AVAS 故障码及故障类型描述汇总

Description on the fault code and failure type

故障码 DTC	故障码描述	DTC Description
U1562	电源电压高于 16V	Power supply voltage over 16V
U1563	电源电压低于 9V	Power supply voltage below 9V
B1570	功放短路	Amplifier Short
U0294	总线与 VCU/HCU 通讯超时	CAN VCU/HCU Communication time out
U0121	总线与 ESC/ABS 通讯超时	CAN ESC/ABS Communication time out
U0073	总线关闭	CAN bus off

AVAS 故障详解

Error -sorting solution

故障码 DTC	U1562
故障码描述	电源电压高于 16V
DTC Description	Power supply voltage over 16V
故障发生的可能原因	内部电压 > 16V
Possible Cause	Internal local voltage > 16V
检查项目	检查电池电压
Check Items	Check battery voltage
可能的影响	不发声
Possible Symptom	No sound
release condition	10ms
Failure criteria	1.Powner on. 2.Diagnostic service $85 not active 3.PEPS_PowerMode ACC or ON"
healing condition	Internal local voltage < 15V,500ms

故障码 DTC	U1563
故障码描述	电源电压低于 9V
DTC Description	Power supply voltage below 9V
故障发生的可能原因	内部电压 <9V
Possible Cause	Internal local voltage < 9V
检查项目	检查电池电压
Check Items	Check battery voltage
可能的影响	不发声
Possible Symptom	No sound
release condition	10ms
Failure criteria	1.Powner on. 2.EMS_EngStatus （0x085）not in cranking status 3.Diagnostic service $85 not active 4.Stability in more than 6 volts after 3s 5.PEPS_PowerMode ACC or ON
healing condition	Internal local voltage >10V,500ms

故障码 DTC	B1570
故障码描述	功放短路
DTC Description	Amplifier Short
故障发生的可能原因	当输出有效时，输出等于 “低”并且输出短路
Possible Cause	When the output is valid, the output is equal to "low" and the output is short-circuited
检查项目	检查线
Check Items	Check the line
可能的影响	不发声
Possible Symptom	No sound
release condition	10ms
Failure criteria	1.Powner on. 2.The condition of TDiagEnable is met. 3.Diagnostic service $85 not active. 4.PEPS_PowerMode ACC or ON
healing condition	Re-power on twice to eliminate the false alarm fault, if the fault does occur, you need to replace the AVAS

故障码 DTC	U0294
故障码描述	总线与 VCU/HCU 通讯超时
DTC Description	CAN VCU/HCU Communication time out
故障发生的可能原因	档位信号丢失
Possible Cause	Gear loss signal
检查项目	检查线
Check Items	Check the line
可能的影响	不发声或声音异常
Possible Symptom	No sound or abnormal sound
release condition	10ms
Failure criteria	1.Powner on. 2.EMS_EngStatus （0x085）not in cranking status 3.Diagnostic service $85 not active 4.Stability in more than 6 volts after 3s 5.PEPS_PowerMode ACC or ON
healing condition	the lost CAN message received again.received once time

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故障码 DTC	U0121
故障码描述	总线与 ESC/ABS 通讯超时
DTC Description	CAN ESC/ABS Communication time out
故障发生的可能原因	无效的车速
Possible Cause	Invalid Vehicle Speed
检查项目	检查线
Check Items	Check the line
可能的影响	不发声或声音异常
Possible Symptom	No sound or abnormal sound
release condition	10ms
Failure criteria	1.Voltage supply of CAN Bus node is in the range of 9-16V. 2.The condition of TDiagEnable is met. 3.No Bus-off detected. 4.Ignition state shall be IGN ON. 5.Diagnostic service $85 not active. 6.PEPS_PowerMode ACC or ON
healing condition	the lost CAN message received again.received once time

故障码 DTC	U0073
故障码描述	总线关闭
DTC Description	CAN bus off
故障发生的可能原因	CAN BusOff 故障
Possible Cause	CAN BusOff Failure
检查项目	检查诊断 CAN 线的连接状态
Check Items	Check the Diagnosis CAN line connection state
可能的影响	不发声
Possible Symptom	No sound
release condition	10ms
Failure criteria	Tester-ECU communication is OK. - normal operating voltage - CAN communication ok - no over- or under voltage -PEPS_PowerMode ACC or ON
healing condition	Cannot be dematured in the same Ignition Cycle.

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BCM 故障码及故障类型描述汇总

Description on the fault code and failure type

故障码 DTC	故障码描述	DTC Description
U3003	BCM 电压低于阈值	BCM Voltage below the Low_Threshold
U3003	BCM 电压高于阈值	BCM Voltage above the High_Threshold
B1730	PPM 电机故障	PPM electrical machine failure
B1731	PPM hall 传感器故障	PPM hall sensor failure
U0073	CAN 总线关闭	CAN Bus OFF
U0073	ABS 通信超时	Lost communication with ABS
U0121	EMS 通信超时	Lost communication with EMS
U0155	IPK 通信超时	Lost communication with IPK
U0151	SRS 通信超时	Lost communication with SRS
U0101	TCU 通信超时	Lost communication with TCU
U0152	ESP 通信超时	Lost communication with ESP
U0153	FICM 通信超时	Lost communication with FICM
U0154	SAS 通信超时	Lost communication with SAS
U0156	PEPS 通信超时	Lost communication with PEPS
B1261	刹车灯 A 短路到地	Stop light A circuit short to ground
B1261	刹车灯 A 短路到电池	Stop light A circuit short to battery
B1261	刹车灯 A 短路	Stop light A circuit open
B1262	刹车灯 B 短路到地	Stop light B circuit short to ground
B1262	刹车灯 B 短路到电池	Stop light B circuit short to battery
B1262	刹车灯 B 短路	Stop light B circuit open
B1263	高位制动灯短路到地	High braking light circuit short to ground
B1263	高位制动灯短路到电池	High braking light circuit short to battery
B1263	高位制动灯短路	High braking light circuit open
B1234	左近光灯短路到地	Left dipped light circuit short to ground
B1234	左近光灯短路到电池	Left dipped light circuit short to battery
B1234	左近光灯短路	Left dipped light circuit open
B1235	右近光灯短路到地	Right dipped light circuit short to ground
B1235	右近光灯短路到电池	Right dipped light circuit short to battery
B1235	右近光灯短路	Right dipped light circuit open

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故障码 DTC	故障码描述	DTC Description
B1236	左远光灯短路到地	Left beam light circuit short to ground
B1236	左远光灯短路到电池	Left beam light circuit short to battery
B1236	左远光灯短路	Left beam light circuit open
B1237	右远光灯短路到地	Right beam light circuit short to ground
B1237	右远光灯短路到电池	Right beam light circuit short to battery
B1237	右远光灯短路	Right beam light circuit open
B1241	左 / 左前转向灯短路到地	Left/ Left front turn light circuit short to ground
B1241	左 / 左前转向灯短路到电池	Left/ Left front turn light circuit short to battery
B1241	左 / 左前转向灯短路	Left/ Left front turn light circuit open
B1243	左后转向灯短路到地	Left rear turn light circuit short to ground
B1243	左后转向灯短路到电池	Left rear turn light circuit short to battery
B1243	左后转向灯短路	Left rear turn light circuit open
B1242	右 / 右前转向等短路到地	Right/ Right front turn light circuit short to ground
B1242	右 / 右前转向等短路到电池	Right/ Right front turn lightcircuit short to battery
B1242	右 / 右前转向等短路到	Right/ Right front turn lightcircuit open
B1244	右后转向灯短路到地	Right rear turn light circuit short to ground
B1244	右后转向灯短路到电池	Right rear turn light circuit short to battery
B1244	右后转向灯短路	Right rear turn light circuit open
B1210	位置灯短路到地	Position light circuit short to ground
B1210	位置灯短路到电池	Position light circuit short to battery
B1210	位置灯短路	Position light circuit open
B1211	左位置灯短路到地	Left position light circuit short to ground
B1211	左位置灯短路到电池	Left position light circuit short to battery
B1211	左位置灯短路	Left position light circuit open
B1212	右位置灯短路到地	Right position light circuit short to ground
B1212	右位置灯短路到电池	Right position light circuit short to battery
B1212	右位置灯短路	Right position light circuit open
B1220	照牌灯短路到地	License plate light circuit short to ground
B1220	照牌灯短路到电池	License plate light circuit short to battery
B1220	照牌灯短路	License plate light circuit open
B1270	日间行车灯短路到地	Daytime running light circuit short to ground

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故障码 DTC	故障码描述	DTC Description
B1270	日间行车灯短路到电池	Daytime running light circuit short to battery
B1270	日间行车灯短路	Daytime running light circuit open
B1271	左日间行车灯短路到地	Left daytime running light circuit short to ground
B1271	左日间行车灯短路到电池	Left daytime running light circuit short to battery
B1271	左日间行车灯短路	Left daytime running light circuit open
B1272	右日间行车灯短路到地	Right daytime running light circuit short to ground
B1272	右日间行车灯短路到电池	Right daytime running light circuit short to battery
B1272	右日间行车灯短路	Right daytime running light circuit open
B1250	前雾灯短路到地	Front fog light circuit short to ground
B1250	前雾灯短路到电池	Front fog light circuit short to battery
B1250	前雾灯短路	Front fog light circuit open
B1251	左前雾灯短路到地	Left front fog light circuit short to ground
B1251	左前雾灯短路到电池	Left front fog light circuit short to battery
B1251	左前雾灯短路	Left front fog light circuit open
B1252	右前雾灯短路到地	Right front fog light circuit short to ground
B1252	右前雾灯短路到电池	Right front fog light circuit short to battery
B1252	右前雾灯短路	Right front fog light circuit open
B1254	后雾灯短路到地	Rear fog light circuit short to ground
B1254	后雾灯短路到电池	Rear fog light circuit short to battery
B1254	后雾灯短路	Rear fog light circuit open
B1280	倒车灯短路到地	Revsering light circuit short to ground
B1280	倒车灯短路到电池	Revsering light circuit short to battery
B1280	倒车灯短路	Revsering light circuit open
B1290	照地灯短路到地	light circuit short to ground
B1290	照地灯短路到电池	light circuit short to battery
B1290	照地灯短路	light circuit open
B1610	喇叭短路到地	Horn circuit short to ground
B1610	喇叭短路到电池	Horn circuit short to battery
B1610	喇叭短路	Horn circuit open
B1100	节电输出短路到地	Saving electric output circuit short to ground

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故障码 DTC	故障码描述	DTC Description
B1100	节电输出短路到电池	Saving electric output circuit short to battery
B1100	节电输出短路	Saving electric output circuit open
B1111	内灯输出 B 短路到地	Inner light output B circuit short to ground
B1111	内灯输出 B 短路到电池	Inner light output B circuit short to battery
B1111	内灯输出 B 短路	Inner light output B circuit open
B1112	后内顶灯短路到地	Rear inner dome light circuit short to ground
B1112	后内顶灯短路到电池	Rear inner dome light circuit short to battery
B1112	后内顶灯短路	Rear inner dome light circuit short
B12A0	后背箱灯短路到地	Trunk light circuit short to ground
B12A0	后背箱灯短路到电池	Trunk light circuit short to battery
B12A0	后背箱灯短路	Trunk light circuit open
B1120	背光灯短路到地	Backlight circuit short to ground
B1120	背光灯短路到电池	Backlight circuit short to battery
B1120	背光灯短路	Backlight circuit open
B1130	防盗状态指示灯短路到地	Anti-theft status indicator light circuit short to ground
B1130	防盗状态指示灯短路到电池	Anti-theft status indicator light circuit short to battery
B1130	防盗状态指示灯短路	Anti-theft status indicator light circuit open
B11B0	氛围灯短路到地	Atmosphere light circuit short to ground
B11B0	氛围灯短路到电池	Atmosphere light circuit short to battery
B11B0	氛围灯短路	Atmosphere light circuit open
B1160	中控锁指示灯短路到地	Central control lock indicator light circuit short to ground
B1160	中控锁指示灯短路到电池	Central control lock indicator light circuit short to battery
B1160	中控锁指示灯短路	Central control lock indicator light circuit open
B1421	前雨刮低速短路到地	Front windscreen wiper with low speed circuit short to ground
B1421	前雨刮低速短路到电池	Front windscreen wiper with low speed circuit short to battery
B1421	前雨刮低速短路	Front windscreen wiper with low speed circuit open
B1422	前雨刮高速短路到地	Front windscreen wiper with high speed circuit short to ground

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故障码 DTC	故障码描述	DTC Description
B1422	前雨刮高速短路到电池	Front windscreen wiper with high speed circuit short to battery
B1422	前雨刮高速短路	Front windscreen wiper with high speed circuit open
B1430	后雨刮短路到地	Rear windscreen wiper circuit short to ground
B1430	后雨刮短路到电池	Rear windscreen wiper circuit short to battery
B1430	后雨刮短路	Rear windscreen wiper circuit open
B1423	前洗涤喷水电机短路到地	Front washing spray motor circuit short to ground
B1423	前洗涤喷水电机短路到电池	Front washing spray motor circuit short to battery
B1423	前洗涤喷水电机短路	Front washing spray motor circuit open
B1433	后洗涤喷水电机短路到地	Rear washing spray motor circuit short to ground
B1433	后洗涤喷水电机短路到电池	Rear washing spray motor circuit short to battery
B1433	后洗涤喷水电机短路	Rear washing spray motor circuit open
B1601	KLR(RAP) 继电器短路到地	KLR(RAP) relay circuit short to ground
B1601	KLR(RAP) 继电器短路到电池	KLR(RAP) relay circuit short to battery
B1601	KLR(RAP) 继电器短路	KLR(RAP) relay circuit open
B1602	KL15 继电器短路到地	KL15 relay circuit short to ground
B1602	KL15 继电器短路到电池	KL15 relay circuit short to battery
B1602	KL15 继电器短路	KL15 relay circuit open
B1620	B+ 唤醒短路到地	B+ wake up circuit short to ground
B1620	B+ 唤醒短路到电池	B+ wake up circuit short to battery
B1620	B+ 唤醒短路	B+ wake up circuit open
B1621	KLR 唤醒短路到地	KLR wake up circuit short to ground
B1621	KLR 唤醒短路到电池	KLR wake up circuit short to battery
B1621	KLR 唤醒短路	KLR wake up circuit open
B1622	TCU 短路到地	TCU wake up circuit short to ground
B1622	TCU 短路到电池	TCU wake up circuit short to battery
B1622	TCU 短路	TCU wake up circuit open
B1615	P 档解锁短路到地	Unlock P gear circuit short to ground
B1615	P 档解锁短路到电池	Unlock P gear circuit short to battery
B1615	P 档解锁短路	Unlock P gear circuit open

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故障码 DTC	故障码描述	DTC Description
B1731	后视镜折叠打开短路到地	Rearview mirror fold open circuit short to ground
B1731	后视镜折叠打开短路到电池	Rearview mirror fold open circuit short to battery
B1731	后视镜折叠打开短路	Rearview mirror fold open circuit open
B1732	后视镜折叠关闭短路到地	Rearview mirror fold close circuit short to ground
B1732	后视镜折叠关闭短路到电池	Rearview mirror fold close circuit short to battery
B1732	后视镜折叠关闭短路	Rearview mirror fold close circuit open
B1617	后风窗／视镜短路到地	Rearview mirror heating circuit short to ground
B1617	后风窗／视镜短路到电池	Rearview mirror heating circuit short to battery
B1617	后风窗／视镜短路	Rearview mirror heating circuit open
B1613	左前座椅加热短路到地	Left front seat heating circuit short to ground
B1613	左前座椅加热短路到电池	Left front seat heating circuit short to battery
B1613	左前座椅加热短路	Left front seat heating circuit open
B1614	右前座椅短路到地	Right front seat heating circuit short to ground
B1614	右前座椅短路到电池	Right front seat circuit short to battery
B1614	右前座椅短路	Right front seat circuit open
B12B1	引擎盖开关短路到地	Hood switch circuit short to ground
B12B1	引擎盖开关短路到电池	Hood switch circuit short to battery
B12B1	引擎盖开关短路	Hood switch circuit open
B12B1	引擎盖开关电路电阻超出范围	Hood switch circuit open circuit resistance out of range
B1201	组合灯管开关短路到地	Combined light switch circuit short to ground
B1201	组合灯管开关短路到电池	Combined light switch circuit short to battery
B1201	组合灯管开关短路	Combined light switch circuit open
B1201	组合灯管开关电路电阻超出范围	Combined light switch circuit open circuit open circuit resistance out of range
B12B2	SPORT/ECO switch 短路到地	SPORT/ECO switch circuit short to ground
B12B2	SPORT/ECO switch 短路到电池	SPORT/ECO switch circuit short to battery
B12B2	SPORT/ECO switch 短路	SPORT/ECO switch circuit open

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故障码 DTC	故障码描述	DTC Description
B12B2	SPORT/ECO 开关电路电阻超出范围	SPORT/ECO switch circuit open circuit resistance out of range
B12B3	ACC 巡航短路到地	ACC cruise circuit short to ground
B12B3	ACC 巡航短路到电池	ACC cruise circuit short to battery
B12B3	ACC 巡航短路	ACC cruise circuit open
B12B3	ACC 巡航电路电阻超出范围	ACC cruise circuit open circuit resistance out of range
B1203	刹车踏板短路到地	Brake pedal circuit short to ground
B1203	刹车踏板短路到电池	Brake pedal circuit short to battery
B1203	刹车踏板短路	Brake pedal circuit open
B1203	刹车踏板电路电阻超出范围	Brake pedal circuit open circuit resistance out of range
B12B4	M 挡位信号短路到地	M gear signal circuit short to ground
B12B4	M 挡位信号短路到电池	M gear signal circuit short to battery
B12B4	M 挡位信号短路	M gear signal circuit open
B12B4	M 挡位信号电路电阻超出范围	M gear signal circuit open circuit resistance out of range
B12B5	PRND 挡位信号短路到地	PRND gear switch circuit short to ground
B12B5	PRND 挡位信号短路到电池	PRND gear switch circuit short to battery
B12B5	PRND 挡位信号短路	PRND gear switch circuit open
B12B5	PRND 挡位信号电路电阻超出范围	PRND gear circuit open circuit resistance out of range
B12B6	前雨刮间歇灵敏度开关短路到地	Front windscree wiper intermittent switch circuit short to ground
B12B6	前雨刮间歇灵敏度开关短路到电池	Front windscree wiper intermittent switch circuit short to battery
B12B6	前雨刮间歇灵敏度开关短路	Front windscree wiper intermittent switch circuit open
B12B6	前雨刮间歇灵敏度开关电路电阻超出范围	Front windscree wiper intermittent switch circuit open circuit resistance out of range
B12B7	Start/Stop 开关短路到地	Start/Stop switch circuit short to ground
B12B7	Start/Stop 开关短路到电池	Start/Stop switch circuit short to battery
B12B7	Start/Stop 开关短路	Start/Stop switch circuit open
B12B7	Start/Stop 开关电路电阻超出范围	Start/Stop switch circuit open circuit resistance out of range
B12B8	背光灯调节开关短路到地	Backlight adjustment switch circuit short to ground

故障码 DTC	故障码描述	DTC Description
B12B8	背光灯调节开关短路到电池	Backlight adjustment switch circuit short to battery
B12B8	背光灯调节开关短路	Backlight adjustment switch circuit open
B12B8	背光灯调节开关电路电阻超出范围	Backlight adjustment switch circuit open circuit resistance out of range
B1600	点火档位开关短路到地	Fire gear switch circuit short to ground
B1600	点火档位开关短路到电池	Fire gear switch circuit short to battery
B1600	点火档位开关短路	Fire gear switch circuit open
B1600	点火档位开关电路电阻超出范围	Fire gear circuit open circuit resistance out of range
B1401	前雨刮归位信号命令不可达	Front windscree wiper return signal Commanded position not reachable
B1402	后雨刮归位信号命令不可达	Rear windscree wiper return signal Commanded position not reachable
B1204	危险报警开关（黏连）短路到地	Danger alarm switch short to ground
B1501	信号无效	Signal invalid
B1507	不可编程	Not Programmed
B1510	不可编程	Not Programmed
B1509	不可编程	Not Programmed
B1508	不可编程	Not Programmed
B1520	不可配置	Not configured
B1504	信息丢失	Missing message
B1514	信号比较失败	Signal compare failure

BCM 故障详解

Error -sorting solution

故障码 DTC	U3003
故障码描述	BCM 电压低于阈值
DTC Description	BCM Voltage below the Low_Threshold
故障发生的可能原因	BCM 电压低于阈值
Possible Cause	Voltage Low of battery
检查项目	整车电池电压低
Check Items	Voltage of battery
可能的影响	蓄电池电压
Possible Symptom	Function failure
故障诊断码的运行条件	BCM 功能失效或缺失
release condition	12V Power supply
故障诊断码的判断条件	12V 电源供电
Failure criteria	BCM Voltage below the Low_Threshold
故障治愈条件	BCM 电压低于低阈值
healing condition	Recover battery voltage
系统反应（降扭或降速等）	恢复蓄电池电压

故障码 DTC	U3003
故障码描述	BCM 电压高于阈值
DTC Description	BCM Voltage above the High_Threshold
故障发生的可能原因	BCM 电压高于阈值
Possible Cause	Voltage High of battery
检查项目	整车电池电压高
Check Items	Voltage of battery
可能的影响	蓄电池电压
Possible Symptom	Function failure
故障诊断码的运行条件	BCM 功能失效或缺失
release condition	12V Power supply
故障诊断码的判断条件	12V 电源供电
Failure criteria	BCM Voltage above the High_Threshold
故障治愈条件	BCM 电压高于高阈值
healing condition	Recover battery voltage
系统反应（降扭或降速等）	恢复蓄电池电压

故障码 DTC	B1730
故障码描述	PPM 电机故障
DTC Description	PPM electrical machine failure
故障发生的可能原因	PPM 电机故障
Possible Cause	Any motorerror signal detected is 1
检查项目	检测到任意 MotorError 信号为 1
Check Items	PPM motor
可能的影响	PPM 电机
Possible Symptom	PPM motor failure
故障诊断码的运行条件	PPM 电机故障
release condition	12V Power supply
故障诊断码的判断条件	12V 电源供电
Failure criteria	Any motorerror signal detected is 1
故障治愈条件	检测到任意 MotorError 信号为 1
healing condition	Repair PPM motor
系统反应（降扭或降速等）	修复 PPM 电机

故障码 DTC	B1731
故障码描述	PPM hall 传感器故障
DTC Description	PPM hall sensor failure
故障发生的可能原因	PPM hall 传感器故障
Possible Cause	Any hallsensorerror signal detected is 1
检查项目	检测到任意 HallSensorError 信号为 1
Check Items	PPM hall sensor
可能的影响	PPM hall 传感器
Possible Symptom	PPM hall sensor failure
故障诊断码的运行条件	PPM hall 传感器故障
release condition	12V Power supply
故障诊断码的判断条件	12V 电源供电
Failure criteria	Any hallsensorerror signal detected is 1
故障治愈条件	检测到任意 HallSensorError 信号为 1
healing condition	Repair PPM hall sensor
系统反应（降扭或降速等）	修复 PPM hall 传感器

故障码 DTC	U0073
故障码描述	CAN 总线关闭
DTC Description	CAN Bus OFF
故障发生的可能原因	CAN 总线关闭
Possible Cause	CAN bus off
检查项目	CAN 总线故障
Check Items	CAN BUS
可能的影响	CAN 总线
Possible Symptom	CAN function failure
故障诊断码的运行条件	CAN 功能失效
release condition	12V Power supply
故障诊断码的判断条件	12V 电源供电
Failure criteria	CAN bus off
故障治愈条件	CAN 总线故障
healing condition	CAN bus ON
系统反应（降扭或降速等）	修复 can 总线

故障码 DTC	U0073
故障码描述	ABS 通信超时
DTC Description	Lost communication with ABS
故障发生的可能原因	ABS 通信超时
Possible Cause	ABS lost
检查项目	ABS 节点丢失
Check Items	ABS node
可能的影响	ABS 节点
Possible Symptom	ABS function failure
故障诊断码的运行条件	ABS 功能失效
release condition	12V Power supply
故障诊断码的判断条件	12V 电源供电
Failure criteria	ABS lost
故障治愈条件	ABS 节点丢失
healing condition	ABS Repaired
系统反应（降扭或降速等）	修复 ABS

故障码 **DTC**	U0121
故障码描述	EMS 通信超时
DTC Description	Lost communication with EMS
故障发生的可能原因	EMS 通信超时
Possible Cause	EMS lost
检查项目	EMS 节点丢失
Check Items	EMS node
可能的影响	EMS 节点
Possible Symptom	EMS function failure
故障诊断码的运行条件	EMS 功能失效
release condition	12V Power supply
故障诊断码的判断条件	12V 电源供电
Failure criteria	EMS lost
故障治愈条件	EMS 节点丢失
healing condition	EMS Repaired
系统反应（降扭或降速等）	修复 EMS

故障码 **DTC**	U0155
故障码描述	IPK 通信超时
DTC Description	Lost communication with IPK
故障发生的可能原因	IPK 通信超时
Possible Cause	IPK lost
检查项目	IPK 节点丢失
Check Items	IPK node
可能的影响	IPK 节点
Possible Symptom	IPK function failure
故障诊断码的运行条件	IPK 功能失效
release condition	12V Power supply
故障诊断码的判断条件	12V 电源供电
Failure criteria	IPK lost
故障治愈条件	IPK 节点丢失
healing condition	IPK Repaired
系统反应（降扭或降速等）	修复 IPK

故障码 DTC	U0151
故障码描述	SRS 通信超时
DTC Description	Lost communication with SRS
故障发生的可能原因	SRS 通信超时
Possible Cause	SRS lost
检查项目	SRS 节点丢失
Check Items	SRS node
可能的影响	SRS 节点
Possible Symptom	SRS function failure
故障诊断码的运行条件	SRS 功能失效
release condition	12V Power supply
故障诊断码的判断条件	12V 电源供电
Failure criteria	SRS lost
故障治愈条件	SRS 节点丢失
healing condition	SRS Repaired
系统反应（降扭或降速等）	修复 SRS

故障码 DTC	U0101
故障码描述	TCU 通信超时
DTC Description	Lost communication with TCU
故障发生的可能原因	TCU 通信超时
Possible Cause	TCU lost
检查项目	TCU 节点丢失
Check Items	TCU node
可能的影响	TCU 节点
Possible Symptom	TCU function failure
故障诊断码的运行条件	TCU 功能失效
release condition	12V Power supply
故障诊断码的判断条件	12V 电源供电
Failure criteria	TCU lost
故障治愈条件	TCU 节点丢失
healing condition	TCU Repaired
系统反应（降扭或降速等）	修复 TCU

故障码 **DTC**	U0152
故障码描述	ESP 通信超时
DTC Description	Lost communication with ESP
故障发生的可能原因	ESP 通信超时
Possible Cause	ESP lost
检查项目	ESP 节点丢失
Check Items	ESP node
可能的影响	ESP 节点
Possible Symptom	ESP function failure
故障诊断码的运行条件	ESP 功能失效
release condition	12V Power supply
故障诊断码的判断条件	12V 电源供电
Failure criteria	ESP lost
故障治愈条件	ESP 节点丢失
healing condition	ESP Repaired
系统反应（降扭或降速等）	修复 ESP

故障码 **DTC**	U0153
故障码描述	FICM 通信超时
DTC Description	Lost communication with FICM
故障发生的可能原因	FICM 通信超时
Possible Cause	FICM lost
检查项目	FICM 节点丢失
Check Items	FICM node
可能的影响	FICM 节点
Possible Symptom	ABS function failure
故障诊断码的运行条件	FICM 功能失效
release condition	12V Power supply
故障诊断码的判断条件	12V 电源供电
Failure criteria	FICM lost
故障治愈条件	FICM 节点丢失
healing condition	FICM Repaired
系统反应（降扭或降速等）	修复 FICM

故障码 DTC	U0154
故障码描述	SAS 通信超时
DTC Description	Lost communication with SAS
故障发生的可能原因	SAS 通信超时
Possible Cause	SAS lost
检查项目	SAS 节点丢失
Check Items	SAS node
可能的影响	SAS 节点
Possible Symptom	ABS function failure
故障诊断码的运行条件	SAS 功能失效
release condition	12V Power supply
故障诊断码的判断条件	12V 电源供电
Failure criteria	SAS lost
故障治愈条件	SAS 节点丢失
healing condition	SAS Repaired
系统反应（降扭或降速等）	修复 SAS

故障码 DTC	U0156
故障码描述	PEPS 通信超时
DTC Description	Lost communication with PEPS
故障发生的可能原因	PEPS 通信超时
Possible Cause	PEPS lost
检查项目	PEPS 节点丢失
Check Items	PEPS node
可能的影响	PEPS 节点
Possible Symptom	PEPS function failure
故障诊断码的运行条件	PEPS 功能失效
release condition	12V Power supply
故障诊断码的判断条件	12V 电源供电
Failure criteria	PEPS lost
故障治愈条件	PEPS 节点丢失
healing condition	PEPS Repaired
系统反应（降扭或降速等）	修复 PEPS

故障码 DTC	B1261
故障码描述	刹车灯 A 短路到地
DTC Description	Stop light A circuit short to ground
故障发生的可能原因	刹车灯 A 短路到地
Possible Cause	Brake lamp output short to GND
检查项目	刹车灯输出对地短路
Check Items	BCM brake lamp output line
可能的影响	BCM 刹车灯输出线束
Possible Symptom	brake lamp function failure
故障诊断码的运行条件	刹车灯功能失效
release condition	12V Power supply
故障诊断码的判断条件	12V 电源供电
Failure criteria	Brake lamp output short to GND
故障治愈条件	刹车灯输出对地短路
healing condition	Repair line
系统反应（降扭或降速等）	修复线束

故障码 DTC	B1261
故障码描述	刹车灯 A 短路到电池
DTC Description	Stop light A circuit short to battery
故障发生的可能原因	刹车灯 A 短路到电池
Possible Cause	Brake lamp output short to battery
检查项目	刹车灯输出对电源短路
Check Items	BCM brake lamp output line
可能的影响	BCM 刹车灯输出线束
Possible Symptom	brake lamp function failure
故障诊断码的运行条件	刹车灯功能失效
release condition	12V Power supply
故障诊断码的判断条件	12V 电源供电
Failure criteria	Brake lamp output short to battery
故障治愈条件	刹车灯输出对电源短路
healing condition	Repair line
系统反应（降扭或降速等）	修复线束

故障码 DTC	B1261
故障码描述	刹车灯 A 短路
DTC Description	Stop light A circuit open
故障发生的可能原因	刹车灯 A 短路
Possible Cause	Brake lamp output open
检查项目	刹车灯输出开路
Check Items	BCM brake lamp output line
可能的影响	BCM 刹车灯输出线束
Possible Symptom	brake lamp function failure
故障诊断码的运行条件	刹车灯功能失效
release condition	12V Power supply
故障诊断码的判断条件	12V 电源供电
Failure criteria	Brake lamp output open
故障治愈条件	刹车灯输出开路
healing condition	Repair line
系统反应（降扭或降速等）	修复线束

故障码 DTC	B1262
故障码描述	刹车灯 B 短路到地
DTC Description	Stop light B circuit short to ground
故障发生的可能原因	刹车灯 B 短路到地
Possible Cause	Brake lamp output short to GND
检查项目	刹车灯输出对地短路
Check Items	BCM brake lamp output line
可能的影响	BCM 刹车灯输出线束
Possible Symptom	brake lamp function failure
故障诊断码的运行条件	刹车灯功能失效
release condition	12V Power supply
故障诊断码的判断条件	12V 电源供电
Failure criteria	Brake lamp output short to GND
故障治愈条件	刹车灯输出对地短路
healing condition	Repair line
系统反应（降扭或降速等）	修复线束

故障码 DTC	B1262
故障码描述	刹车灯 B 短路到电池
DTC Description	Stop light B circuit short to battery
故障发生的可能原因	刹车灯 B 短路到电池
Possible Cause	Brake lamp output short to battery
检查项目	刹车灯输出对电源短路
Check Items	BCM brake lamp output line
可能的影响	BCM 刹车灯输出线束
Possible Symptom	brake lamp function failure
故障诊断码的运行条件	刹车灯功能失效
release condition	12V Power supply
故障诊断码的判断条件	12V 电源供电
Failure criteria	Brake lamp output short to battery
故障治愈条件	刹车灯输出对电源短路
healing condition	Repair line
系统反应（降扭或降速等）	修复线束

故障码 DTC	B1262
故障码描述	刹车灯 B 短路
DTC Description	Stop light B circuit open
故障发生的可能原因	刹车灯 B 短路
Possible Cause	Brake lamp output open
检查项目	刹车灯输出开路
Check Items	BCM brake lamp output line
可能的影响	BCM 刹车灯输出线束
Possible Symptom	brake lamp function failure
故障诊断码的运行条件	刹车灯功能失效
release condition	12V Power supply
故障诊断码的判断条件	12V 电源供电
Failure criteria	Brake lamp output open
故障治愈条件	刹车灯输出开路
healing condition	Repair line
系统反应（降扭或降速等）	修复线束

故障码 DTC	B1263
故障码描述	高位制动灯短路到地
DTC Description	High braking light circuit short to ground
故障发生的可能原因	高位制动灯短路到地
Possible Cause	High Position lamp output short to GND
检查项目	位置灯输出对地短路
Check Items	BCM High Position lamp output line
可能的影响	BCM 位置灯输出线束
Possible Symptom	high position lamp function failure
故障诊断码的运行条件	高位置灯功能失效
release condition	12V Power supply
故障诊断码的判断条件	12V 电源供电
Failure criteria	High Position lamp output short to GND
故障治愈条件	位置灯输出对地短路
healing condition	Repair line
系统反应（降扭或降速等）	修复线束

故障码 DTC	B1263
故障码描述	高位制动灯短路到电池
DTC Description	High braking light circuit short to battery
故障发生的可能原因	高位制动灯短路到电池
Possible Cause	High Position lamp output short to battery
检查项目	位置灯输出对电源短路
Check Items	BCM High Position lamp output line
可能的影响	BCM 位置灯输出线束
Possible Symptom	high position lamp function failure
故障诊断码的运行条件	高位置灯功能失效
release condition	12V Power supply
故障诊断码的判断条件	12V 电源供电
Failure criteria	High Position lamp output short to battery
故障治愈条件	位置灯输出对电源短路
healing condition	Repair line
系统反应（降扭或降速等）	修复线束

故障码 DTC	B1263
故障码描述	高位制动灯短路
DTC Description	High braking light circuit open
故障发生的可能原因	高位制动灯短路
Possible Cause	High Position lamp output open
检查项目	位置灯输出开路
Check Items	BCM High Position lamp output line
可能的影响	BCM 位置灯输出线束
Possible Symptom	high position lamp function failure
故障诊断码的运行条件	高位置灯功能失效
release condition	12V Power supply
故障诊断码的判断条件	12V 电源供电
Failure criteria	High Position lamp output open
故障治愈条件	位置灯输出开路
healing condition	Repair line
系统反应（降扭或降速等）	修复线束

故障码 DTC	B1234
故障码描述	左近光灯短路到地
DTC Description	Left dipped light circuit short to ground
故障发生的可能原因	左近光灯短路到地
Possible Cause	Dipped beam output short to GND
检查项目	BCM 近光灯输出对地短路
Check Items	BCM Dipped beam output line
可能的影响	BCM 近光灯输出线束
Possible Symptom	Dipped beam function failure
故障诊断码的运行条件	近光灯功能失效
release condition	12V Power supply
故障诊断码的判断条件	12V 电源供电
Failure criteria	Dipped beam output short to GND
故障治愈条件	BCM 近光灯输出对地短路
healing condition	Repair line
系统反应（降扭或降速等）	修复线束

故障码 DTC	B1234
故障码描述	左近光灯短路到电池
DTC Description	Left dipped light circuit short to battery
故障发生的可能原因	左近光灯短路到电池
Possible Cause	Dipped beam output short to battery
检查项目	BCM 近光灯输出对电源短路
Check Items	BCM Dipped beam output line
可能的影响	BCM 近光灯输出线束
Possible Symptom	Dipped beam function failure
故障诊断码的运行条件	近光灯功能失效
release condition	12V Power supply
故障诊断码的判断条件	12V 电源供电
Failure criteria	Dipped beam output short to battery
故障治愈条件	BCM 近光灯输出对电源短路
healing condition	Repair line
系统反应（降扭或降速等）	修复线束

故障码 DTC	B1234
故障码描述	左近光灯短路
DTC Description	Left dipped light circuit open
故障发生的可能原因	左近光灯短路
Possible Cause	Dipped beam output open
检查项目	BCM 近光灯输出开路
Check Items	BCM Dipped beam output line
可能的影响	BCM 近光灯输出线束
Possible Symptom	Dipped beam function failure
故障诊断码的运行条件	近光灯功能失效
release condition	12V Power supply
故障诊断码的判断条件	12V 电源供电
Failure criteria	Dipped beam output open
故障治愈条件	BCM 近光灯输出开路
healing condition	Repair line
系统反应（降扭或降速等）	修复线束

故障码 DTC	B1235
故障码描述	右近光灯短路到地
DTC Description	Right dipped light circuit short to ground
故障发生的可能原因	右近光灯短路到地
Possible Cause	Dipped beam output short to GND
检查项目	BCM 近光灯输出对地短路
Check Items	BCM Dipped beam output line
可能的影响	BCM 近光灯输出线束
Possible Symptom	Dipped beam function failure
故障诊断码的运行条件	近光灯功能失效
release condition	12V Power supply
故障诊断码的判断条件	12V 电源供电
Failure criteria	Dipped beam output short to GND
故障治愈条件	BCM 近光灯输出对地短路
healing condition	Repair line
系统反应（降扭或降速等）	修复线束

故障码 DTC	B1235
故障码描述	右近光灯短路到电池
DTC Description	Right dipped light circuit short to battery
故障发生的可能原因	右近光灯短路到电池
Possible Cause	Dipped beam output short to battery
检查项目	BCM 近光灯输出对电源短路
Check Items	BCM Dipped beam output line
可能的影响	BCM 近光灯输出线束
Possible Symptom	Dipped beam function failure
故障诊断码的运行条件	近光灯功能失效
release condition	12V Power supply
故障诊断码的判断条件	12V 电源供电
Failure criteria	Dipped beam output short to battery
故障治愈条件	BCM 近光灯输出对电源短路
healing condition	Repair line
系统反应（降扭或降速等）	修复线束

故障码 DTC	B1235
故障码描述	右近光灯短路
DTC Description	Right dipped light circuit open
故障发生的可能原因	右近光灯短路
Possible Cause	Dipped beam output open
检查项目	BCM 近光灯输出开路
Check Items	BCM Dipped beam output line
可能的影响	BCM 近光灯输出线束
Possible Symptom	Dipped beam function failure
故障诊断码的运行条件	近光灯功能失效
release condition	12V Power supply
故障诊断码的判断条件	12V 电源供电
Failure criteria	Dipped beam output open
故障治愈条件	BCM 近光灯输出开路
healing condition	Repair line
系统反应（降扭或降速等）	修复线束

故障码 DTC	B1236
故障码描述	左远光灯短路到地
DTC Description	Left beam light circuit short to ground
故障发生的可能原因	左远光灯短路到地
Possible Cause	Main beam output short to GND
检查项目	BCM 远光灯输出对地短路
Check Items	BCM Dipped beam output line
可能的影响	BCM 远光灯输出线束
Possible Symptom	Dipped beam function failure
故障诊断码的运行条件	远光灯功能失效
release condition	12V Power supply
故障诊断码的判断条件	12V 电源供电
Failure criteria	Main beam output short to GND
故障治愈条件	BCM 远光灯输出对地短路
healing condition	Repair line
系统反应（降扭或降速等）	修复线束

故障码 DTC	B1236
故障码描述	左远光灯短路到电池
DTC Description	Left beam light circuit short to battery
故障发生的可能原因	左远光灯短路到电池
Possible Cause	Main beam relay output short to battery
检查项目	BCM 远光灯输出对电源短路
Check Items	BCM Main beam output line
可能的影响	BCM 远光灯输出线束
Possible Symptom	Main beam function failure
故障诊断码的运行条件	远光灯功能失效
release condition	12V Power supply
故障诊断码的判断条件	12V 电源供电
Failure criteria	Main beam relay output short to battery
故障治愈条件	BCM 远光灯输出对电源短路
healing condition	Repair line
系统反应（降扭或降速等）	修复线束

故障码 DTC	B1236
故障码描述	左远光灯短路
DTC Description	Left beam light circuit open
故障发生的可能原因	左远光灯短路
Possible Cause	Main beam output open
检查项目	BCM 远光灯输出开路
Check Items	BCM Dipped beam output line
可能的影响	BCM 远光灯输出线束
Possible Symptom	Dipped beam function failure
故障诊断码的运行条件	远光灯功能失效
release condition	12V Power supply
故障诊断码的判断条件	12V 电源供电
Failure criteria	Main beam output open
故障治愈条件	BCM 远光灯输出开路
healing condition	Repair line
系统反应（降扭或降速等）	修复线束

故障码 DTC	B1237
故障码描述	右远光灯短路到地
DTC Description	Right beam light circuit short to ground
故障发生的可能原因	右远光灯短路到地
Possible Cause	Main beam output short to GND
检查项目	BCM 远光灯输出对地短路
Check Items	BCM Dipped beam output line
可能的影响	BCM 远光灯输出线束
Possible Symptom	Dipped beam function failure
故障诊断码的运行条件	远光灯功能失效
release condition	12V Power supply
故障诊断码的判断条件	12V 电源供电
Failure criteria	Main beam output short to GND
故障治愈条件	BCM 远光灯输出对地短路
healing condition	Repair line
系统反应（降扭或降速等）	修复线束

故障码 DTC	B1237
故障码描述	右远光灯短路到电池
DTC Description	Right beam light circuit short to battery
故障发生的可能原因	右远光灯短路到电池
Possible Cause	Main beam relay output short to battery
检查项目	BCM 远光灯输出对电源短路
Check Items	BCM Main beam output line
可能的影响	BCM 远光灯输出线束
Possible Symptom	Main beam function failure
故障诊断码的运行条件	远光灯功能失效
release condition	12V Power supply
故障诊断码的判断条件	12V 电源供电
Failure criteria	Main beam relay output short to battery
故障治愈条件	BCM 远光灯输出对电源短路
healing condition	Repair line
系统反应（降扭或降速等）	修复线束

故障码 DTC	B1237
故障码描述	右远光灯短路
DTC Description	Right beam light circuit open
故障发生的可能原因	右远光灯短路
Possible Cause	Main beam output open
检查项目	BCM 远光灯输出开路
Check Items	BCM Dipped beam output line
可能的影响	BCM 远光灯输出线束
Possible Symptom	Dipped beam function failure
故障诊断码的运行条件	远光灯功能失效
release condition	12V Power supply
故障诊断码的判断条件	12V 电源供电
Failure criteria	Main beam output open
故障治愈条件	BCM 远光灯输出开路
healing condition	Repair line
系统反应（降扭或降速等）	修复线束

故障码 DTC	B1241
故障码描述	左 / 左前转向灯短路到地
DTC Description	Left/ Left front turn light circuit short to ground
故障发生的可能原因	左 / 左前转向灯短路到地
Possible Cause	Turn lamp left output short to GND
检查项目	左转向灯输出对地短路
Check Items	BCM turn lamp left output line
可能的影响	BCM 左转向灯输出线束
Possible Symptom	turn lamp left function failure
故障诊断码的运行条件	左转向灯功能失效
release condition	12V Power supply
故障诊断码的判断条件	12V 电源供电
Failure criteria	Turn lamp left output short to GND
故障治愈条件	左转向灯输出对地短路
healing condition	Repair line
系统反应（降扭或降速等）	修复线束

故障码 DTC	B1241
故障码描述	左 / 左前转向灯短路到电池
DTC Description	Left/ Left front turn light circuit short to battery
故障发生的可能原因	左 / 左前转向灯短路到电池
Possible Cause	Turn lamp left output short to battery
检查项目	左转向灯输出对电源短路
Check Items	BCM turn lamp left output line
可能的影响	BCM 左转向灯输出线束
Possible Symptom	turn lamp left function failure
故障诊断码的运行条件	左转向灯功能失效
release condition	12V Power supply
故障诊断码的判断条件	12V 电源供电
Failure criteria	Turn lamp left output short to battery
故障治愈条件	左转向灯输出对电源短路
healing condition	Repair line
系统反应（降扭或降速等)	修复线束

故障码 DTC	B1241
故障码描述	左 / 左前转向灯短路
DTC Description	Left/ Left front turn light circuit open
故障发生的可能原因	左 / 左前转向灯短路
Possible Cause	Turn lamp left output open
检查项目	左转向灯输出开路
Check Items	BCM turn lamp left output line
可能的影响	BCM 左转向灯输出线束
Possible Symptom	turn lamp left function failure
故障诊断码的运行条件	左转向灯功能失效
release condition	12V Power supply
故障诊断码的判断条件	12V 电源供电
Failure criteria	Turn lamp left output open
故障治愈条件	左转向灯输出开路
healing condition	Repair line
系统反应（降扭或降速等)	修复线束

故障码 DTC	B1243
故障码描述	左后转向灯短路到地
DTC Description	Left rear turn light circuit short to ground
故障发生的可能原因	左后转向灯短路到地
Possible Cause	Turn lamp left output short to GND
检查项目	左转向灯输出对地短路
Check Items	BCM turn lamp left output line
可能的影响	BCM 左转向灯输出线束
Possible Symptom	turn lamp left function failure
故障诊断码的运行条件	左转向灯功能失效
release condition	12V Power supply
故障诊断码的判断条件	12V 电源供电
Failure criteria	Turn lamp left output short to GND
故障治愈条件	左转向灯输出对地短路
healing condition	Repair line
系统反应（降扭或降速等）	修复线束

故障码 DTC	B1243
故障码描述	左后转向灯短路到电池
DTC Description	Left rear turn light circuit short to battery
故障发生的可能原因	左后转向灯短路到电池
Possible Cause	Turn lamp left output short to battery
检查项目	左转向灯输出对电源短路
Check Items	BCM turn lamp left output line
可能的影响	BCM 左转向灯输出线束
Possible Symptom	turn lamp left function failure
故障诊断码的运行条件	左转向灯功能失效
release condition	12V Power supply
故障诊断码的判断条件	12V 电源供电
Failure criteria	Turn lamp left output short to battery
故障治愈条件	左转向灯输出对电源短路
healing condition	Repair line
系统反应（降扭或降速等）	修复线束

故障码 DTC	B1243
故障码描述	左后转向灯短路
DTC Description	Left rear turn light circuit open
故障发生的可能原因	左后转向灯短路
Possible Cause	Turn lamp left output open
检查项目	左转向灯输出开路
Check Items	BCM turn lamp left output line
可能的影响	BCM 左转向灯输出线束
Possible Symptom	turn lamp left function failure
故障诊断码的运行条件	左转向灯功能失效
release condition	12V Power supply
故障诊断码的判断条件	12V 电源供电
Failure criteria	Turn lamp left output open
故障治愈条件	左转向灯输出开路
healing condition	Repair line
系统反应（降扭或降速等）	修复线束

故障码 DTC	B1242
故障码描述	右 / 右前转向等短路到地
DTC Description	Right/ Right front turn light circuit short to ground
故障发生的可能原因	右 / 右前转向等短路到地
Possible Cause	Turn lamp right output short to GND
检查项目	右转向灯输出对地短路
Check Items	BCM turn lamp right output line
可能的影响	BCM 右转向灯输出线束
Possible Symptom	turn lamp right function failure
故障诊断码的运行条件	右转向灯功能失效
release condition	12V Power supply
故障诊断码的判断条件	12V 电源供电
Failure criteria	Turn lamp right output short to GND
故障治愈条件	右转向灯输出对地短路
healing condition	Repair line
系统反应（降扭或降速等）	修复线束

故障码 DTC	B1242
故障码描述	右 / 右前转向等短路到电池
DTC Description	Right/ Right front turn lightcircuit short to battery
故障发生的可能原因	右 / 右前转向等短路到电池
Possible Cause	Turn lamp right output short to battery
检查项目	右转向灯输出对电源短路
Check Items	BCM turn lamp right output line
可能的影响	BCM 右转向灯输出线束
Possible Symptom	turn lamp right function failure
故障诊断码的运行条件	右转向灯功能失效
release condition	12V Power supply
故障诊断码的判断条件	12V 电源供电
Failure criteria	Turn lamp right output short to battery
故障治愈条件	右转向灯输出对电源短路
healing condition	Repair line
系统反应（降扭或降速等）	修复线束

故障码 DTC	B1242
故障码描述	右 / 右前转向等短路到
DTC Description	Right/ Right front turn lightcircuit open
故障发生的可能原因	右 / 右前转向等短路到
Possible Cause	Turn lamp right output open
检查项目	右转向灯输出开路
Check Items	BCM turn lamp right output line
可能的影响	BCM 右转向灯输出线束
Possible Symptom	turn lamp right function failure
故障诊断码的运行条件	右转向灯功能失效
release condition	12V Power supply
故障诊断码的判断条件	12V 电源供电
Failure criteria	Turn lamp right output open
故障治愈条件	右转向灯输出开路
healing condition	Repair line
系统反应（降扭或降速等）	修复线束

故障码 DTC	B1244
故障码描述	右后转向灯短路到地
DTC Description	Right rear turn light circuit short to ground
故障发生的可能原因	右后转向灯短路到地
Possible Cause	Turn lamp right output short to GND
检查项目	右转向灯输出对地短路
Check Items	BCM turn lamp right output line
可能的影响	BCM 右转向灯输出线束
Possible Symptom	turn lamp right function failure
故障诊断码的运行条件	右转向灯功能失效
release condition	12V Power supply
故障诊断码的判断条件	12V 电源供电
Failure criteria	Turn lamp right output short to GND
故障治愈条件	右转向灯输出对地短路
healing condition	Repair line
系统反应（降扭或降速等）	修复线束

故障码 DTC	B1244
故障码描述	右后转向灯短路到电池
DTC Description	Right rear turn light circuit short to battery
故障发生的可能原因	右后转向灯短路到电池
Possible Cause	Turn lamp right output short to battery
检查项目	右转向灯输出对电源短路
Check Items	BCM turn lamp right output line
可能的影响	BCM 右转向灯输出线束
Possible Symptom	turn lamp right function failure
故障诊断码的运行条件	右转向灯功能失效
release condition	12V Power supply
故障诊断码的判断条件	12V 电源供电
Failure criteria	Turn lamp right output short to battery
故障治愈条件	右转向灯输出对电源短路
healing condition	Repair line
系统反应（降扭或降速等）	修复线束

故障码 DTC	B1244
故障码描述	右后转向灯短路
DTC Description	Right rear turn light circuit open
故障发生的可能原因	右后转向灯短路
Possible Cause	Turn lamp right output open
检查项目	右转向灯输出开路
Check Items	BCM turn lamp right output line
可能的影响	BCM 右转向灯输出线束
Possible Symptom	turn lamp right function failure
故障诊断码的运行条件	右转向灯功能失效
release condition	12V Power supply
故障诊断码的判断条件	12V 电源供电
Failure criteria	Turn lamp right output open
故障治愈条件	右转向灯输出开路
healing condition	Repair line
系统反应（降扭或降速等）	修复线束

故障码 DTC	B1210
故障码描述	位置灯短路到地
DTC Description	Position light circuit short to ground
故障发生的可能原因	位置灯短路到地
Possible Cause	Position lamp output short to GND
检查项目	位置灯输出对地短路
Check Items	BCM Position lamp output line
可能的影响	BCM 位置灯输出线束
Possible Symptom	position lamp function failure
故障诊断码的运行条件	位置灯功能失效
release condition	12V Power supply
故障诊断码的判断条件	12V 电源供电
Failure criteria	Position lamp output short to GND
故障治愈条件	位置灯输出对地短路
healing condition	Repair line
系统反应（降扭或降速等）	修复线束

故障码 DTC	B1210
故障码描述	位置灯短路到电池
DTC Description	Position light circuit short to battery
故障发生的可能原因	位置灯短路到电池
Possible Cause	Position lamp output short to battery
检查项目	位置灯输出对电源短路
Check Items	BCM Position lamp output line
可能的影响	BCM 位置灯输出线束
Possible Symptom	position lamp function failure
故障诊断码的运行条件	位置灯功能失效
release condition	12V Power supply
故障诊断码的判断条件	12V 电源供电
Failure criteria	Position lamp output short to battery
故障治愈条件	位置灯输出对电源短路
healing condition	Repair line
系统反应（降扭或降速等）	修复线束

故障码 DTC	B1210
故障码描述	位置灯短路
DTC Description	Position light circuit open
故障发生的可能原因	位置灯短路
Possible Cause	Position lamp output open
检查项目	位置灯输出开路
Check Items	BCM Position lamp output line
可能的影响	BCM 位置灯输出线束
Possible Symptom	position lamp function failure
故障诊断码的运行条件	位置灯功能失效
release condition	12V Power supply
故障诊断码的判断条件	12V 电源供电
Failure criteria	Position lamp output open
故障治愈条件	位置灯输出开路
healing condition	Repair line
系统反应（降扭或降速等）	修复线束

故障码 DTC	B1211
故障码描述	左位置灯短路到地
DTC Description	Left position light circuit short to ground
故障发生的可能原因	左位置灯短路到地
Possible Cause	Position lamp output short to GND
检查项目	位置灯输出对地短路
Check Items	BCM Position lamp output line
可能的影响	BCM 位置灯输出线束
Possible Symptom	position lamp function failure
故障诊断码的运行条件	位置灯功能失效
release condition	12V Power supply
故障诊断码的判断条件	12V 电源供电
Failure criteria	Position lamp output short to GND
故障治愈条件	位置灯输出对地短路
healing condition	Repair line
系统反应（降扭或降速等）	修复线束

故障码 DTC	B1211
故障码描述	左位置灯短路到电池
DTC Description	Left position light circuit short to battery
故障发生的可能原因	左位置灯短路到电池
Possible Cause	Position lamp output short to battery
检查项目	位置灯输出对电源短路
Check Items	BCM Position lamp output line
可能的影响	BCM 位置灯输出线束
Possible Symptom	position lamp function failure
故障诊断码的运行条件	位置灯功能失效
release condition	12V Power supply
故障诊断码的判断条件	12V 电源供电
Failure criteria	Position lamp output short to battery
故障治愈条件	位置灯输出对电源短路
healing condition	Repair line
系统反应（降扭或降速等）	修复线束

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故障码 DTC	B1211
故障码描述	左位置灯短路
DTC Description	Left position light circuit open
故障发生的可能原因	左位置灯短路
Possible Cause	Position lamp output open
检查项目	位置灯输出开路
Check Items	BCM Position lamp output line
可能的影响	BCM 位置灯输出线束
Possible Symptom	position lamp function failure
故障诊断码的运行条件	位置灯功能失效
release condition	12V Power supply
故障诊断码的判断条件	12V 电源供电
Failure criteria	Position lamp output open
故障治愈条件	位置灯输出开路
healing condition	Repair line
系统反应（降扭或降速等）	修复线束

故障码 DTC	B1212
故障码描述	右位置灯短路到地
DTC Description	Right position light circuit short to ground
故障发生的可能原因	右位置灯短路到地
Possible Cause	Position lamp output short to GND
检查项目	位置灯输出对地短路
Check Items	BCM Position lamp output line
可能的影响	BCM 位置灯输出线束
Possible Symptom	position lamp function failure
故障诊断码的运行条件	位置灯功能失效
release condition	12V Power supply
故障诊断码的判断条件	12V 电源供电
Failure criteria	Position lamp output short to GND
故障治愈条件	位置灯输出对地短路
healing condition	Repair line
系统反应（降扭或降速等）	修复线束

故障码 DTC	B1212
故障码描述	右位置灯短路到电池
DTC Description	Right position light circuit short to battery
故障发生的可能原因	右位置灯短路到电池
Possible Cause	Position lamp output short to battery
检查项目	位置灯输出对电源短路
Check Items	BCM Position lamp output line
可能的影响	BCM 位置灯输出线束
Possible Symptom	position lamp function failure
故障诊断码的运行条件	位置灯功能失效
release condition	12V Power supply
故障诊断码的判断条件	12V 电源供电
Failure criteria	Position lamp output short to battery
故障治愈条件	位置灯输出对电源短路
healing condition	Repair line
系统反应（降扭或降速等）	修复线束

故障码 DTC	B1212
故障码描述	右位置灯短路
DTC Description	Right position light circuit open
故障发生的可能原因	右位置灯短路
Possible Cause	Position lamp output open
检查项目	位置灯输出开路
Check Items	BCM Position lamp output line
可能的影响	BCM 位置灯输出线束
Possible Symptom	position lamp function failure
故障诊断码的运行条件	位置灯功能失效
release condition	12V Power supply
故障诊断码的判断条件	12V 电源供电
Failure criteria	Position lamp output open
故障治愈条件	位置灯输出开路
healing condition	Repair line
系统反应（降扭或降速等）	修复线束

故障码 DTC	B1220
故障码描述	照牌灯短路到地
DTC Description	License plate light circuit short to ground
故障发生的可能原因	照牌灯短路到地
Possible Cause	License plate lamp output short to GND
检查项目	牌照灯输出对地短路
Check Items	BCM License plate lamp output line
可能的影响	BCM 牌照灯输出线束
Possible Symptom	License plate lamp function failure
故障诊断码的运行条件	牌照灯功能失效
release condition	12V Power supply
故障诊断码的判断条件	12V 电源供电
Failure criteria	License plate lamp output short to GND
故障治愈条件	牌照灯输出对地短路
healing condition	Repair line
系统反应（降扭或降速等）	修复线束

故障码 DTC	B1220
故障码描述	照牌灯短路到电池
DTC Description	License plate light circuit short to battery
故障发生的可能原因	照牌灯短路到电池
Possible Cause	License plate lamp output short to battery
检查项目	牌照灯输出对电源短路
Check Items	BCM License plate lamp output line
可能的影响	BCM 牌照灯输出线束
Possible Symptom	License plate lamp function failure
故障诊断码的运行条件	牌照灯功能失效
release condition	12V Power supply
故障诊断码的判断条件	12V 电源供电
Failure criteria	License plate lamp output short to battery
故障治愈条件	牌照灯输出对电源短路
healing condition	Repair line
系统反应（降扭或降速等）	修复线束

故障码 DTC	B1220
故障码描述	照牌灯短路
DTC Description	License plate light circuit open
故障发生的可能原因	照牌灯短路
Possible Cause	License plate lamp output open
检查项目	牌照灯输出开路
Check Items	BCM License plate lamp output line
可能的影响	BCM 牌照灯输出线束
Possible Symptom	License plate lamp function failure
故障诊断码的运行条件	牌照灯功能失效
release condition	12V Power supply
故障诊断码的判断条件	12V 电源供电
Failure criteria	License plate lamp output open
故障治愈条件	牌照灯输出开路
healing condition	Repair line
系统反应（降扭或降速等）	修复线束

故障码 DTC	B1270
故障码描述	日间行车灯短路到地
DTC Description	Daytime running light circuit short to ground
故障发生的可能原因	日间行车灯短路到地
Possible Cause	Daytime light output short to GND
检查项目	日行灯输出对地短路
Check Items	BCM Daytime lightoutput line
可能的影响	BCM 日行灯输出线束
Possible Symptom	Daytime lightfunction failure
故障诊断码的运行条件	日行灯功能失效
release condition	12V Power supply
故障诊断码的判断条件	12V 电源供电
Failure criteria	Daytime light output short to GND
故障治愈条件	日行灯输出对地短路
healing condition	Repair line
系统反应（降扭或降速等）	修复线束

故障码 DTC	B1270
故障码描述	日间行车灯短路到电池
DTC Description	Daytime running light circuit short to battery
故障发生的可能原因	日间行车灯短路到电池
Possible Cause	Daytime light output short to battery
检查项目	日行灯输出对电源短路
Check Items	BCM Daytime lightoutput line
可能的影响	BCM 日行灯输出线束
Possible Symptom	Daytime lightfunction failure
故障诊断码的运行条件	日行灯功能失效
release condition	12V Power supply
故障诊断码的判断条件	12V 电源供电
Failure criteria	Daytime light output short to battery
故障治愈条件	日行灯输出对电源短路
healing condition	Repair line
系统反应（降扭或降速等）	修复线束

故障码 DTC	B1270
故障码描述	日间行车灯短路
DTC Description	Daytime running light circuit open
故障发生的可能原因	日间行车灯短路
Possible Cause	Daytime light output open
检查项目	日行灯输出开路
Check Items	BCM Daytime lightoutput line
可能的影响	BCM 日行灯输出线束
Possible Symptom	Daytime lightfunction failure
故障诊断码的运行条件	日行灯功能失效
release condition	12V Power supply
故障诊断码的判断条件	12V 电源供电
Failure criteria	Daytime light output open
故障治愈条件	日行灯输出开路
healing condition	Repair line
系统反应（降扭或降速等）	修复线束

故障码 DTC	B1271
故障码描述	左日间行车灯短路到地
DTC Description	Left daytime running light circuit short to ground
故障发生的可能原因	左日间行车灯短路到地
Possible Cause	Daytime light output short to GND
检查项目	日行灯输出对地短路
Check Items	BCM Daytime lightoutput line
可能的影响	BCM 日行灯输出线束
Possible Symptom	Daytime lightfunction failure
故障诊断码的运行条件	日行灯功能失效
release condition	12V Power supply
故障诊断码的判断条件	12V 电源供电
Failure criteria	Daytime light output short to GND
故障治愈条件	日行灯输出对地短路
healing condition	Repair line
系统反应（降扭或降速等）	修复线束

故障码 DTC	B1271
故障码描述	左日间行车灯短路到电池
DTC Description	Left daytime running light circuit short to battery
故障发生的可能原因	左日间行车灯短路到电池
Possible Cause	Daytime light output short to battery
检查项目	日行灯输出对电源短路
Check Items	BCM Daytime lightoutput line
可能的影响	BCM 日行灯输出线束
Possible Symptom	Daytime lightfunction failure
故障诊断码的运行条件	日行灯功能失效
release condition	12V Power supply
故障诊断码的判断条件	12V 电源供电
Failure criteria	Daytime light output short to battery
故障治愈条件	日行灯输出对电源短路
healing condition	Repair line
系统反应（降扭或降速等）	修复线束

故障码 DTC	B1271
故障码描述	左日间行车灯短路
DTC Description	Left daytime running light circuit open
故障发生的可能原因	左日间行车灯短路
Possible Cause	Daytime light output open
检查项目	日行灯输出开路
Check Items	BCM Daytime lightoutput line
可能的影响	BCM 日行灯输出线束
Possible Symptom	Daytime lightfunction failure
故障诊断码的运行条件	日行灯功能失效
release condition	12V Power supply
故障诊断码的判断条件	12V 电源供电
Failure criteria	Daytime light output open
故障治愈条件	日行灯输出开路
healing condition	Repair line
系统反应（降扭或降速等）	修复线束

故障码 DTC	B1272
故障码描述	右日间行车灯短路到地
DTC Description	Right daytime running light circuit short to ground
故障发生的可能原因	右日间行车灯短路到地
Possible Cause	Daytime light output short to GND
检查项目	日行灯输出对地短路
Check Items	BCM Daytime lightoutput line
可能的影响	BCM 日行灯输出线束
Possible Symptom	Daytime lightfunction failure
故障诊断码的运行条件	日行灯功能失效
release condition	12V Power supply
故障诊断码的判断条件	12V 电源供电
Failure criteria	Daytime light output short to GND
故障治愈条件	日行灯输出对地短路
healing condition	Repair line
系统反应（降扭或降速等）	修复线束

故障码 DTC	B1272
故障码描述	右日间行车灯短路到电池
DTC Description	Right daytime running light circuit short to battery
故障发生的可能原因	右日间行车灯短路到电池
Possible Cause	Daytime light output short to battery
检查项目	日行灯输出对电源短路
Check Items	BCM Daytime lightoutput line
可能的影响	BCM 日行灯输出线束
Possible Symptom	Daytime lightfunction failure
故障诊断码的运行条件	日行灯功能失效
release condition	12V Power supply
故障诊断码的判断条件	12V 电源供电
Failure criteria	Daytime light output short to battery
故障治愈条件	日行灯输出对电源短路
healing condition	Repair line
系统反应（降扭或降速等）	修复线束

故障码 DTC	B1272
故障码描述	右日间行车灯短路
DTC Description	Right daytime running light circuit open
故障发生的可能原因	右日间行车灯短路
Possible Cause	Daytime light output open
检查项目	日行灯输出开路
Check Items	BCM Daytime light output line
可能的影响	BCM 日行灯输出线束
Possible Symptom	Daytime lightfunction failure
故障诊断码的运行条件	日行灯功能失效
release condition	12V Power supply
故障诊断码的判断条件	12V 电源供电
Failure criteria	Daytime light output open
故障治愈条件	日行灯输出开路
healing condition	Repair line
系统反应（降扭或降速等）	修复线束

故障码 DTC	B1250
故障码描述	前雾灯短路到地
DTC Description	Front fog light circuit short to ground
故障发生的可能原因	前雾灯短路到地
Possible Cause	Front fog light output short to GND
检查项目	前雾灯输出对地短路
Check Items	BCM Front fog light output line
可能的影响	BCM 前雾灯输出线束
Possible Symptom	Front fog light function failure
故障诊断码的运行条件	前雾灯功能失效
release condition	12V Power supply
故障诊断码的判断条件	12V 电源供电
Failure criteria	Front fog light output short to GND
故障治愈条件	前雾灯输出对地短路
healing condition	Repair line
系统反应（降扭或降速等）	修复线束

故障码 DTC	B1250
故障码描述	前雾灯短路到电池
DTC Description	Front fog light circuit short to battery
故障发生的可能原因	前雾灯短路到电池
Possible Cause	Front fog light output short to battery
检查项目	前雾灯输出对电源短路
Check Items	BCM Front fog light output line
可能的影响	BCM 前雾灯输出线束
Possible Symptom	Front fog light function failure
故障诊断码的运行条件	前雾灯功能失效
release condition	12V Power supply
故障诊断码的判断条件	12V 电源供电
Failure criteria	Front fog light output short to battery
故障治愈条件	前雾灯输出对电源短路
healing condition	Repair line
系统反应（降扭或降速等）	修复线束

故障码 DTC	B1250
故障码描述	前雾灯短路
DTC Description	Front fog light circuit open
故障发生的可能原因	前雾灯短路
Possible Cause	Front fog light output open
检查项目	前雾灯输出开路
Check Items	BCM Front fog light output line
可能的影响	BCM 前雾灯输出线束
Possible Symptom	Front fog light function failure
故障诊断码的运行条件	前雾灯功能失效
release condition	12V Power supply
故障诊断码的判断条件	12V 电源供电
Failure criteria	Front fog light output open
故障治愈条件	前雾灯输出开路
healing condition	Repair line
系统反应（降扭或降速等）	修复线束

故障码 DTC	B1251
故障码描述	左前雾灯短路到地
DTC Description	Left front fog light circuit short to ground
故障发生的可能原因	左前雾灯短路到地
Possible Cause	Front fog light output short to GND
检查项目	前雾灯输出对地短路
Check Items	BCM Front fog light output line
可能的影响	BCM 前雾灯输出线束
Possible Symptom	Front fog light function failure
故障诊断码的运行条件	前雾灯功能失效
release condition	12V Power supply
故障诊断码的判断条件	12V 电源供电
Failure criteria	Front fog light output short to GND
故障治愈条件	前雾灯输出对地短路
healing condition	Repair line
系统反应（降扭或降速等）	修复线束

故障码 DTC	B1251
故障码描述	左前雾灯短路到电池
DTC Description	Left front fog light circuit short to battery
故障发生的可能原因	左前雾灯短路到电池
Possible Cause	Front fog light output short to battery
检查项目	前雾灯输出对电源短路
Check Items	BCM Front fog light output line
可能的影响	BCM 前雾灯输出线束
Possible Symptom	Front fog light function failure
故障诊断码的运行条件	前雾灯功能失效
release condition	12V Power supply
故障诊断码的判断条件	12V 电源供电
Failure criteria	Front fog light output short to battery
故障治愈条件	前雾灯输出对电源短路
healing condition	Repair line
系统反应（降扭或降速等）	修复线束

故障码 DTC	B1251
故障码描述	左前雾灯短路
DTC Description	Left front fog light circuit open
故障发生的可能原因	左前雾灯短路
Possible Cause	Front fog light output open
检查项目	前雾灯输出开路
Check Items	BCM Front fog light output lineBCM
可能的影响	前雾灯输出线束
Possible Symptom	Front fog light function failure
故障诊断码的运行条件	前雾灯功能失效
release condition	12V Power supply
故障诊断码的判断条件	12V 电源供电
Failure criteria	Front fog light output open
故障治愈条件	前雾灯输出开路
healing condition	Repair line
系统反应（降扭或降速等）	修复线束

故障码 DTC	B1252
故障码描述	右前雾灯短路到地
DTC Description	Right front fog light circuit short to ground
故障发生的可能原因	右前雾灯短路到地
Possible Cause	Front fog light output short to GND
检查项目	前雾灯输出对地短路
Check Items	BCM Front fog light output line
可能的影响	BCM 前雾灯输出线束
Possible Symptom	Front fog light function failure
故障诊断码的运行条件	前雾灯功能失效
release condition	12V Power supply
故障诊断码的判断条件	12V 电源供电
Failure criteria	Front fog light output short to GND
故障治愈条件	前雾灯输出对地短路
healing condition	Repair line
系统反应（降扭或降速等）	修复线束

故障码 DTC	B1252
故障码描述	右前雾灯短路到电池
DTC Description	Right front fog light circuit short to battery
故障发生的可能原因	右前雾灯短路到电池
Possible Cause	Front fog light output short to battery
检查项目	前雾灯输出对电源短路
Check Items	BCM Front fog light output line
可能的影响	BCM 前雾灯输出线束
Possible Symptom	Front fog light function failure
故障诊断码的运行条件	前雾灯功能失效
release condition	12V Power supply
故障诊断码的判断条件	12V 电源供电
Failure criteria	Front fog light output short to battery
故障治愈条件	前雾灯输出对电源短路
healing condition	Repair line
系统反应（降扭或降速等）	修复线束

故障码 DTC	B1252
故障码描述	右前雾灯短路
DTC Description	Right front fog light circuit open
故障发生的可能原因	右前雾灯短路
Possible Cause	Front fog light output open
检查项目	前雾灯输出开路
Check Items	BCM Front fog light output line
可能的影响	BCM 前雾灯输出线束
Possible Symptom	Front fog light function failure
故障诊断码的运行条件	前雾灯功能失效
release condition	12V Power supply
故障诊断码的判断条件	12V 电源供电
Failure criteria	Front fog light output open
故障治愈条件	前雾灯输出开路
healing condition	Repair line
系统反应（降扭或降速等）	修复线束

故障码 DTC	B1254
故障码描述	后雾灯短路到地
DTC Description	Rear fog light circuit short to ground
故障发生的可能原因	后雾灯短路到地
Possible Cause	Rear fog light output short to GND
检查项目	后雾灯输出对地短路
Check Items	BCM Rear fog light output line
可能的影响	BCM 后雾灯输出线束
Possible Symptom	Rear fog light function failure
故障诊断码的运行条件	后雾灯功能失效
release condition	12V Power supply
故障诊断码的判断条件	12V 电源供电
Failure criteria	Rear fog light output short to GND
故障治愈条件	后雾灯输出对地短路
healing condition	Repair line
系统反应（降扭或降速等）	修复线束

故障码 DTC	B1254
故障码描述	后雾灯短路到电池
DTC Description	Rear fog light circuit short to battery
故障发生的可能原因	后雾灯短路到电池
Possible Cause	Rear fog light output short to battery
检查项目	后雾灯输出对电源短路
Check Items	BCM Rear fog light output line
可能的影响	BCM 后雾灯输出线束
Possible Symptom	Rear fog light function failure
故障诊断码的运行条件	后雾灯功能失效
release condition	12V Power supply
故障诊断码的判断条件	12V 电源供电
Failure criteria	Rear fog light output short to battery
故障治愈条件	后雾灯输出对电源短路
healing condition	Repair line
系统反应（降扭或降速等）	修复线束

故障码 DTC	B1254
故障码描述	后雾灯短路
DTC Description	Rear fog light circuit open
故障发生的可能原因	后雾灯短路
Possible Cause	Rear fog light output open
检查项目	后雾灯输出开路
Check Items	BCM Rear fog light output line
可能的影响	BCM 后雾灯输出线束
Possible Symptom	Rear fog light function failure
故障诊断码的运行条件	后雾灯功能失效
release condition	12V Power supply
故障诊断码的判断条件	12V 电源供电
Failure criteria	Rear fog light output open
故障治愈条件	后雾灯输出开路
healing condition	Repair line
系统反应（降扭或降速等）	修复线束

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故障码 DTC	B1280
故障码描述	倒车灯短路到地
DTC Description	Revsering light circuit short to ground
故障发生的可能原因	倒车灯短路到地
Possible Cause	Revert light output short to GND
检查项目	倒车灯输出对地短路
Check Items	BCM Revert light output line
可能的影响	BCM 倒车灯输出线束
Possible Symptom	Revert light function failure
故障诊断码的运行条件	倒车灯功能失效
release condition	12V Power supply
故障诊断码的判断条件	12V 电源供电
Failure criteria	Revert light output short to GND
故障治愈条件	倒车灯输出对地短路
healing condition	Repair line
系统反应（降扭或降速等）	修复线束

故障码 DTC	B1280
故障码描述	倒车灯短路到电池
DTC Description	Revsering light circuit short to battery
故障发生的可能原因	倒车灯短路到电池
Possible Cause	Revert light output short to battery
检查项目	倒车灯输出对电源短路
Check Items	BCM Revert light output line
可能的影响	BCM 倒车灯输出线束
Possible Symptom	Revert light function failure
故障诊断码的运行条件	倒车灯功能失效
release condition	12V Power supply
故障诊断码的判断条件	12V 电源供电
Failure criteria	Revert light output short to battery
故障治愈条件	倒车灯输出对电源短路
healing condition	Repair line
系统反应（降扭或降速等）	修复线束

故障码 DTC	B1280
故障码描述	倒车灯短路
DTC Description	Revsering light circuit open
故障发生的可能原因	倒车灯短路
Possible Cause	Revert light output open
检查项目	倒车灯输出开路
Check Items	BCM Revert light output line
可能的影响	BCM 倒车灯输出线束
Possible Symptom	Revert light function failure
故障诊断码的运行条件	倒车灯功能失效
release condition	12V Power supply
故障诊断码的判断条件	12V 电源供电
Failure criteria	Revert light output open
故障治愈条件	倒车灯输出开路
healing condition	Repair line
系统反应（降扭或降速等）	修复线束

故障码 DTC	B1290
故障码描述	照地灯短路到地
DTC Description	light circuit short to ground
故障发生的可能原因	照地灯短路到地
Possible Cause	Ground light output short to GND
检查项目	照地灯输出对地短路
Check Items	BCM Ground light output line
可能的影响	BCM 照地灯输出线束
Possible Symptom	Ground light function failure
故障诊断码的运行条件	照地灯功能失效
release condition	12V Power supply
故障诊断码的判断条件	12V 电源供电
Failure criteria	Ground light output short to GND
故障治愈条件	照地灯输出对地短路
healing condition	Repair line
系统反应（降扭或降速等）	修复线束

故障码 DTC	B1290
故障码描述	照地灯短路到电池
DTC Description	light circuit short to battery
故障发生的可能原因	照地灯短路到电池
Possible Cause	Ground light output short to battery
检查项目	照地灯输出对电源短路
Check Items	BCM Ground light output line
可能的影响	BCM 照地灯输出线束
Possible Symptom	Ground light function failure
故障诊断码的运行条件	照地灯功能失效
release condition	12V Power supply
故障诊断码的判断条件	12V 电源供电
Failure criteria	Ground light output short to battery
故障治愈条件	照地灯输出对电源短路
healing condition	Repair line
系统反应（降扭或降速等）	修复线束

故障码 DTC	B1290
故障码描述	照地灯短路
DTC Description	light circuit open
故障发生的可能原因	照地灯短路
Possible Cause	Ground light output open
检查项目	照地灯输出开路
Check Items	BCM Ground light output line
可能的影响	BCM 照地灯输出线束
Possible Symptom	Ground light function failure
故障诊断码的运行条件	照地灯功能失效
release condition	12V Power supply
故障诊断码的判断条件	12V 电源供电
Failure criteria	Ground light output open
故障治愈条件	照地灯输出开路
healing condition	Repair line
系统反应（降扭或降速等）	修复线束

故障码 DTC	B1610
故障码描述	喇叭短路到地
DTC Description	Horn circuit short to ground
故障发生的可能原因	喇叭短路到地
Possible Cause	Horn circuit output short to GND
检查项目	喇叭输出对地短路
Check Items	BCM Horn circuit output line
可能的影响	BCM 喇叭输出线束
Possible Symptom	Horn circuit function failure
故障诊断码的运行条件	喇叭功能失效
release condition	12V Power supply
故障诊断码的判断条件	12V 电源供电
Failure criteria	Horn circuit output short to GND
故障治愈条件	喇叭输出对地短路
healing condition	Repair line
系统反应（降扭或降速等）	修复线束

故障码 DTC	B1610
故障码描述	喇叭短路到电池
DTC Description	Horn circuit short to battery
故障发生的可能原因	喇叭短路到电池
Possible Cause	Horn circuit output short to battery
检查项目	喇叭输出对电源短路
Check Items	BCM Horn circuit output line
可能的影响	BCM 喇叭输出线束
Possible Symptom	Horn circuit function failure
故障诊断码的运行条件	喇叭功能失效
release condition	12V Power supply
故障诊断码的判断条件	12V 电源供电
Failure criteria	Horn circuit output short to battery
故障治愈条件	喇叭输出对电源短路
healing condition	Repair line
系统反应（降扭或降速等）	修复线束

故障码 DTC	B1610
故障码描述	喇叭短路
DTC Description	Horn circuit open
故障发生的可能原因	喇叭短路
Possible Cause	Horn circuit output open
检查项目	喇叭输出开路
Check Items	BCM Horn circuit output line
可能的影响	BCM 喇叭输出线束
Possible Symptom	Horn circuit function failure
故障诊断码的运行条件	喇叭功能失效
release condition	12V Power supply
故障诊断码的判断条件	12V 电源供电
Failure criteria	Horn circuit output open
故障治愈条件	喇叭输出开路
healing condition	Repair line
系统反应（降扭或降速等）	修复线束

故障码 DTC	B1100
故障码描述	节电输出短路到地
DTC Description	Saving electric output circuit short to ground
故障发生的可能原因	节电输出短路到地
Possible Cause	Power saving output short to GND
检查项目	节电输出对地短路
Check Items	BCM Power saving output line
可能的影响	BCM 节电输出线束
Possible Symptom	Power saving function failure
故障诊断码的运行条件	节电功能失效
release condition	12V Power supply
故障诊断码的判断条件	12V 电源供电
Failure criteria	Power saving output short to GND
故障治愈条件	节电输出对地短路
healing condition	Repair line
系统反应（降扭或降速等）	修复线束

故障码 DTC	B1100
故障码描述	节电输出短路到电池
DTC Description	Saving electric output circuit short to battery
故障发生的可能原因	节电输出短路到电池
Possible Cause	Power saving output short to battery
检查项目	节电输出对电源短路
Check Items	BCM Power saving output line
可能的影响	BCM 节电输出线束
Possible Symptom	Power saving function failure
故障诊断码的运行条件	节电功能失效
release condition	12V Power supply
故障诊断码的判断条件	12V 电源供电
Failure criteria	Power saving output short to battery
故障治愈条件	节电输出对电源短路
healing condition	Repair line
系统反应（降扭或降速等）	修复线束

故障码 DTC	B1100
故障码描述	节电输出短路
DTC Description	Saving electric output circuit open
故障发生的可能原因	节电输出短路
Possible Cause	Power saving output open
检查项目	节电输出开路
Check Items	BCM Power saving output line
可能的影响	BCM 节电输出线束
Possible Symptom	Power saving function failure
故障诊断码的运行条件	节电功能失效
release condition	12V Power supply
故障诊断码的判断条件	12V 电源供电
Failure criteria	Power saving output open
故障治愈条件	节电输出开路
healing condition	Repair line
系统反应（降扭或降速等）	修复线束

故障码 DTC	B1111
故障码描述	内灯输出 B 短路到地
DTC Description	Inner light output B circuit short to ground
故障发生的可能原因	内灯输出 B 短路到地
Possible Cause	Inner light output B output short to GND
检查项目	内灯输出 B 对地短路
Check Items	BCM Inner light output B output line
可能的影响	BCM 内灯输出 B 线束
Possible Symptom	Inner light output B function failure
故障诊断码的运行条件	内灯输出 B 功能失效
release condition	12V Power supply
故障诊断码的判断条件	12V 电源供电
Failure criteria	Inner light output B output short to GND
故障治愈条件	内灯输出 B 对地短路
healing condition	Repair line
系统反应（降扭或降速等）	修复线束

故障码 DTC	B1111
故障码描述	内灯输出 B 短路到电池
DTC Description	Inner light output B circuit short to battery
故障发生的可能原因	内灯输出 B 短路到电池
Possible Cause	Inner light output B output short to battery
检查项目	内灯输出 B 对电源短路
Check Items	BCM Inner light output B output line
可能的影响	BCM 内灯输出 B 线束
Possible Symptom	Inner light output B function failure
故障诊断码的运行条件	内灯输出 B 功能失效
release condition	12V Power supply
故障诊断码的判断条件	12V 电源供电
Failure criteria	Inner light output B output short to battery
故障治愈条件	内灯输出 B 对电源短路
healing condition	Repair line
系统反应（降扭或降速等）	修复线束

故障码 DTC	B1111
故障码描述	内灯输出 B 短路
DTC Description	Inner light output B circuit open
故障发生的可能原因	内灯输出 B 短路
Possible Cause	Inner light output B output open
检查项目	内灯输出 B 开路
Check Items	BCM Inner light output B output line
可能的影响	BCM 内灯输出 B 线束
Possible Symptom	Inner light output B function failure
故障诊断码的运行条件	内灯输出 B 功能失效
release condition	12V Power supply
故障诊断码的判断条件	12V 电源供电
Failure criteria	Inner light output B output open
故障治愈条件	内灯输出 B 开路
healing condition	Repair line
系统反应（降扭或降速等）	修复线束

故障码 DTC	B1112
故障码描述	后内顶灯短路到地
DTC Description	Rear inner dome light circuit short to ground
故障发生的可能原因	后内顶灯短路到地
Possible Cause	Rear inner light circuit short to GND
检查项目	后内顶灯对地短路
Check Items	BCM Rear inner light circuit line
可能的影响	BCM 后内顶灯线束
Possible Symptom	Rear inner light function failure
故障诊断码的运行条件	后内顶灯失效
release condition	12V Power supply
故障诊断码的判断条件	12V 电源供电
Failure criteria	Rear inner light circuit short to GND
故障治愈条件	后内顶灯对地短路
healing condition	Repair line
系统反应（降扭或降速等）	修复线束

故障码 DTC	B1112
故障码描述	后内顶灯短路到电池
DTC Description	Rear inner dome light circuit short to battery
故障发生的可能原因	后内顶灯短路到电池
Possible Cause	Rear inner light circuit short to battery
检查项目	后内顶灯对电源短路
Check Items	BCM Rear inner light circuit line
可能的影响	BCM 后内顶灯线束
Possible Symptom	Rear inner light function failure
故障诊断码的运行条件	后内顶灯失效
release condition	12V Power supply
故障诊断码的判断条件	12V 电源供电
Failure criteria	Rear inner light circuit short to battery
故障治愈条件	后内顶灯对电源短路
healing condition	Repair line
系统反应（降扭或降速等）	修复线束

故障码 DTC	B1112
故障码描述	后内顶灯短路
DTC Description	Rear inner dome light circuit short
故障发生的可能原因	后内顶灯短路
Possible Cause	Rear inner light circuit open
检查项目	后内顶灯开路
Check Items	BCM Rear inner light circuit line
可能的影响	BCM 后内顶灯线束
Possible Symptom	Rear inner light function failure
故障诊断码的运行条件	后内顶灯失效
release condition	12V Power supply
故障诊断码的判断条件	12V 电源供电
Failure criteria	Rear inner light circuit open
故障治愈条件	后内顶灯开路
healing condition	Repair line
系统反应（降扭或降速等）	修复线束

故障码 DTC	B12A0
故障码描述	后背箱灯短路到地
DTC Description	Trunk light circuit short to ground
故障发生的可能原因	后背箱灯短路到地
Possible Cause	Trunk light circuit short to GND
检查项目	后备箱灯对地短路
Check Items	BCM Trunk light circuit line
可能的影响	BCM 后备箱灯线束
Possible Symptom	Trunk light function failure
故障诊断码的运行条件	后备箱灯失效
release condition	12V Power supply
故障诊断码的判断条件	12V 电源供电
Failure criteria	Trunk light circuit short to GND
故障治愈条件	后备箱灯对地短路
healing condition	Repair line
系统反应（降扭或降速等）	修复线束

故障码 DTC	B12A0
故障码描述	后背箱灯短路到电池
DTC Description	Trunk light circuit short to battery
故障发生的可能原因	后背箱灯短路到电池
Possible Cause	Trunk light circuit short to battery
检查项目	后备箱灯对电源短路
Check Items	BCM Trunk light circuit line
可能的影响	BCM 后备箱灯线束
Possible Symptom	Trunk light function failure
故障诊断码的运行条件	后备箱灯失效
release condition	12V Power supply
故障诊断码的判断条件	12V 电源供电
Failure criteria	Trunk light circuit short to battery
故障治愈条件	后备箱灯对电源短路
healing condition	Repair line
系统反应（降扭或降速等）	修复线束

故障码 DTC	B12A0
故障码描述	后背箱灯短路
DTC Description	Trunk light circuit open
故障发生的可能原因	后背箱灯短路
Possible Cause	Trunk light circuit open
检查项目	后备箱灯开路
Check Items	BCM Trunk light circuit line
可能的影响	BCM 后备箱灯线束
Possible Symptom	Trunk light function failure
故障诊断码的运行条件	后备箱灯失效
release condition	12V Power supply
故障诊断码的判断条件	12V 电源供电
Failure criteria	Trunk light circuit open
故障治愈条件	后备箱灯开路
healing condition	Repair line
系统反应（降扭或降速等）	修复线束

故障码 DTC	B1120
故障码描述	背光灯短路到地
DTC Description	Backlight circuit short to ground
故障发生的可能原因	背光灯短路到地
Possible Cause	Backlight circuit short to GND
检查项目	背光灯对地短路
Check Items	BCM Backlight circuit line
可能的影响	BCM 背光灯线束
Possible Symptom	Backlight function failure
故障诊断码的运行条件	背光灯失效
release condition	12V Power supply
故障诊断码的判断条件	12V 电源供电
Failure criteria	Backlight circuit short to GND
故障治愈条件	背光灯对地短路
healing condition	Repair line
系统反应（降扭或降速等）	修复线束

故障码 DTC	B1120
故障码描述	背光灯短路到电池
DTC Description	Backlight circuit short to battery
故障发生的可能原因	背光灯短路到电池
Possible Cause	Backlight circuit short to battery
检查项目	背光灯对电源短路
Check Items	BCM Backlight circuit line
可能的影响	BCM 背光灯线束
Possible Symptom	Backlight function failure
故障诊断码的运行条件	背光灯失效
release condition	12V Power supply
故障诊断码的判断条件	12V 电源供电
Failure criteria	Backlight circuit short to battery
故障治愈条件	背光灯对电源短路
healing condition	Repair line
系统反应（降扭或降速等）	修复线束

故障码 DTC	B1120
故障码描述	背光灯短路
DTC Description	Backlight circuit open
故障发生的可能原因	背光灯短路
Possible Cause	Backlight circuit open
检查项目	背光灯开路
Check Items	BCM Backlight circuit line
可能的影响	BCM 背光灯线束
Possible Symptom	Backlight function failure
故障诊断码的运行条件	背光灯失效
release condition	12V Power supply
故障诊断码的判断条件	12V 电源供电
Failure criteria	Backlight circuit open
故障治愈条件	背光灯开路
healing condition	Repair line
系统反应（降扭或降速等）	修复线束

故障码 DTC	B1130
故障码描述	防盗状态指示灯短路到地
DTC Description	Anti-theft status indicator light circuit short to ground
故障发生的可能原因	防盗状态指示灯短路到地
Possible Cause	Security tell tale light circuit short to GND
检查项目	防盗状态指示灯对地短路
Check Items	BCM Security tell tale light circuit line
可能的影响	BCM 防盗状态指示灯线束
Possible Symptom	Security tell tale light function failure
故障诊断码的运行条件	防盗状态指示灯失效
release condition	12V Power supply
故障诊断码的判断条件	12V 电源供电
Failure criteria	Security tell tale light circuit short to GND
故障治愈条件	防盗状态指示灯对地短路
healing condition	Repair line
系统反应（降扭或降速等）	修复线束

故障码 DTC	B1130
故障码描述	防盗状态指示灯短路到电池
DTC Description	Anti-theft status indicator light circuit short to battery
故障发生的可能原因	防盗状态指示灯短路到电池
Possible Cause	Security tell tale light circuit short to battery
检查项目	防盗状态指示灯对电源短路
Check Items	BCM Security tell tale light circuit line
可能的影响	BCM 防盗状态指示灯线束
Possible Symptom	Security tell tale light function failure
故障诊断码的运行条件	防盗状态指示灯失效
release condition	12V Power supply
故障诊断码的判断条件	12V 电源供电
Failure criteria	Security tell tale light circuit short to battery
故障治愈条件	防盗状态指示灯对电源短路
healing condition	Repair line
系统反应（降扭或降速等）	修复线束

故障码 DTC	B1130
故障码描述	防盗状态指示灯短路
DTC Description	Anti-theft status indicator light circuit open
故障发生的可能原因	防盗状态指示灯短路
Possible Cause	Security tell tale light circuit open
检查项目	防盗状态指示灯开路
Check Items	BCM Security tell tale light circuit line
可能的影响	BCM 防盗状态指示灯线束
Possible Symptom	Security tell tale light function failure
故障诊断码的运行条件	防盗状态指示灯失效
release condition	12V Power supply
故障诊断码的判断条件	12V 电源供电
Failure criteria	Security tell tale light circuit open
故障治愈条件	防盗状态指示灯开路
healing condition	Repair line
系统反应（降扭或降速等）	修复线束

故障码 DTC	B11B0
故障码描述	氛围灯短路到地
DTC Description	Atmosphere light circuit short to ground
故障发生的可能原因	氛围灯短路到地
Possible Cause	Atmosphere light circuit short to GND
检查项目	单色氛围灯对地短路
Check Items	BCM Atmosphere light circuit line
可能的影响	BCM 单色氛围灯线束
Possible Symptom	Atmosphere light function failure
故障诊断码的运行条件	单色氛围灯失效
release condition	12V Power supply
故障诊断码的判断条件	12V 电源供电
Failure criteria	Atmosphere light circuit short to GND
故障治愈条件	单色氛围灯对地短路
healing condition	Repair line
系统反应（降扭或降速等）	修复线束

故障码 DTC	B11B0
故障码描述	氛围灯短路到电池
DTC Description	Atmosphere light circuit short to battery
故障发生的可能原因	氛围灯短路到电池
Possible Cause	Atmosphere light circuit short to battery
检查项目	单色氛围灯对电源短路
Check Items	BCM Atmosphere light circuit line
可能的影响	BCM 单色氛围灯线束
Possible Symptom	Atmosphere light function failure
故障诊断码的运行条件	单色氛围灯失效
release condition	12V Power supply
故障诊断码的判断条件	12V 电源供电
Failure criteria	Atmosphere light circuit short to battery
故障治愈条件	单色氛围灯对电源短路
healing condition	Repair line
系统反应（降扭或降速等）	修复线束

故障码 DTC	B11B0
故障码描述	氛围灯短路
DTC Description	Atmosphere light circuit open
故障发生的可能原因	氛围灯短路
Possible Cause	Atmosphere light circuit open
检查项目	单色氛围灯开路
Check Items	BCM Atmosphere light circuit line
可能的影响	BCM 单色氛围灯线束
Possible Symptom	Atmosphere light function failure
故障诊断码的运行条件	单色氛围灯失效
release condition	12V Power supply
故障诊断码的判断条件	12V 电源供电
Failure criteria	Atmosphere light circuit open
故障治愈条件	单色氛围灯开路
healing condition	Repair line
系统反应（降扭或降速等）	修复线束

故障码 **DTC**	B1160
故障码描述	中控锁指示灯短路到地
DTC Description	Central control lock indicator light circuit short to ground
故障发生的可能原因	中控锁指示灯短路到地
Possible Cause	Center control lock indicator light circuit short to GND
检查项目	中控锁指示灯对地短路
Check Items	BCM Center control lock indicator light circuit line
可能的影响	BCM 中控锁指示灯线束
Possible Symptom	Center control lock indicator light function failure
故障诊断码的运行条件	中控锁指示灯失效 12V Power supply 12V 电源供电 Center control lock indicator light circuit short to GND 中控锁指示灯对地短路 Repair line 修复线束
release condition	
故障诊断码的判断条件	
Failure criteria	
故障治愈条件	
healing condition	
系统反应（降扭或降速等）	

故障码 **DTC**	B1160
故障码描述	中控锁指示灯短路到电池
DTC Description	Central control lock indicator light circuit short to battery
故障发生的可能原因	中控锁指示灯短路到电池
Possible Cause	Center control lock indicator light circuit short to battery
检查项目	中控锁指示灯对电源短路
Check Items	BCM Center control lock indicator light circuit line
可能的影响	BCM 中控锁指示灯线束
Possible Symptom	Center control lock indicator light function failure
故障诊断码的运行条件	中控锁指示灯失效
release condition	12V Power supply
故障诊断码的判断条件	12V 电源供电
Failure criteria	Center control lock indicator light circuit short to battery
故障治愈条件	中控锁指示灯对电源短路
healing condition	Repair line
系统反应（降扭或降速等）	修复线束

故障码 DTC	B1160
故障码描述	中控锁指示灯短路
DTC Description	Central control lock indicator light circuit open
故障发生的可能原因	中控锁指示灯短路
Possible Cause	Center control lock indicator light circuit open
检查项目	中控锁指示灯开路
Check Items	BCM Center control lock indicator light circuit line
可能的影响	BCM 中控锁指示灯线束
Possible Symptom	Center control lock indicator light function failure
故障诊断码的运行条件	中控锁指示灯失效
release condition	12V Power supply
故障诊断码的判断条件	12V 电源供电
Failure criteria	Center control lock indicator light circuit open
故障治愈条件	中控锁指示灯开路
healing condition	Repair line
系统反应（降扭或降速等）	修复线束

故障码 DTC	B1421
故障码描述	前雨刮低速短路到地
DTC Description	Front windscreen wiper with low speed circuit short to ground
故障发生的可能原因	前雨刮低速短路到地
Possible Cause	Front wiper low speed circuit short to GND
检查项目	前雨刮低速对地短路
Check Items	BCM Front wiper low speed circuit line
可能的影响	BCM 前雨刮低速线束
Possible Symptom	Front wiper low speed function failure
故障诊断码的运行条件	前雨刮低速失效
release condition	12V Power supply
故障诊断码的判断条件	12V 电源供电
Failure criteria	Front wiper low speed circuit short to GND
故障治愈条件	前雨刮低速对地短路
healing condition	Repair line
系统反应（降扭或降速等）	修复线束

故障码 DTC	B1421
故障码描述	前雨刮低速短路到电池
DTC Description	Front windscreen wiper with low speed circuit short to battery
故障发生的可能原因	前雨刮低速短路到电池
Possible Cause	Front wiper low speed circuit short to battery
检查项目	前雨刮低速对电源短路
Check Items	BCM Front wiper low speed circuit line
可能的影响	BCM 前雨刮低速线束
Possible Symptom	Front wiper low speed function failure
故障诊断码的运行条件	前雨刮低速失效
release condition	12V Power supply
故障诊断码的判断条件	12V 电源供电
Failure criteria	Front wiper low speed circuit short to battery
故障治愈条件	前雨刮低速对电源短路
healing condition	Repair line
系统反应（降扭或降速等）	修复线束

故障码 DTC	B1421
故障码描述	前雨刮低速短路
DTC Description	Front windscreen wiper with low speed circuit open
故障发生的可能原因	前雨刮低速短路
Possible Cause	Front wiper low speed circuit open
检查项目	前雨刮低速开路
Check Items	BCM Front wiper low speed circuit line
可能的影响	BCM 前雨刮低速线束
Possible Symptom	Front wiper low speed function failure
故障诊断码的运行条件	前雨刮低速失效
release condition	12V Power supply
故障诊断码的判断条件	12V 电源供电
Failure criteria	Front wiper low speed circuit open
故障治愈条件	前雨刮低速开路
healing condition	Repair line
系统反应（降扭或降速等）	修复线束

故障码 DTC	B1422
故障码描述	前雨刮高速短路到地
DTC Description	Front windscreen wiper with high speed circuit short to ground
故障发生的可能原因	前雨刮高速短路到地
Possible Cause	Front wiper high speed circuit short to GND
检查项目	前雨刮高速对地短路
Check Items	BCM Front wiper high speed circuit line
可能的影响	BCM 前雨刮高速线束
Possible Symptom	Front wiper high speed function failure
故障诊断码的运行条件	前雨刮高速失效
release condition	12V Power supply
故障诊断码的判断条件	12V 电源供电
Failure criteria	Front wiper high speed circuit short to GND
故障治愈条件	前雨刮高速对地短路
healing condition	Repair line
系统反应（降扭或降速等）	修复线束

故障码 DTC	B1422
故障码描述	前雨刮高速短路到电池
DTC Description	Front windscreen wiper with high speed circuit short to battery
故障发生的可能原因	前雨刮高速短路到电池
Possible Cause	Front wiper high speed circuit short to battery
检查项目	前雨刮高速对电源短路
Check Items	BCM Front wiper high speed circuit line
可能的影响	BCM 前雨刮高速线束
Possible Symptom	Front wiper high speed function failure
故障诊断码的运行条件	前雨刮高速失效
release condition	12V Power supply
故障诊断码的判断条件	12V 电源供电
Failure criteria	Front wiper high speed circuit short to battery
故障治愈条件	前雨刮高速对电源短路
healing condition	Repair line
系统反应（降扭或降速等）	修复线束

故障码 DTC	B1422
故障码描述	前雨刮高速短路
DTC Description	Front windscreen wiper with high speed circuit open
故障发生的可能原因	前雨刮高速短路
Possible Cause	Front wiper high speed circuit open
检查项目	前雨刮高速开路
Check Items	BCM Front wiper high speed circuit line
可能的影响	BCM 前雨刮高速线束
Possible Symptom	Front wiper high speed function failure
故障诊断码的运行条件	前雨刮高速失效
release condition	12V Power supply
故障诊断码的判断条件	12V 电源供电
Failure criteria	Front wiper high speed circuit open
故障治愈条件	前雨刮高速开路
healing condition	Repair line
系统反应（降扭或降速等）	修复线束

故障码 DTC	B1430
故障码描述	后雨刮短路到地
DTC Description	Rear windscreen wiper circuit short to ground
故障发生的可能原因	后雨刮短路到地
Possible Cause	Rear wiper circuit short to GND
检查项目	后雨刮对地短路
Check Items	BCM Rear wiper circuit line
可能的影响	BCM 后雨刮线束
Possible Symptom	Rear wiper function failure
故障诊断码的运行条件	后雨刮失效
release condition	12V Power supply
故障诊断码的判断条件	12V 电源供电
Failure criteria	Rear wiper circuit short to GND
故障治愈条件	后雨刮对地短路
healing condition	Repair line
系统反应（降扭或降速等）	修复线束

故障码 DTC	B1430
故障码描述	后雨刮短路到电池
DTC Description	Rear windscreen wiper circuit short to battery
故障发生的可能原因	后雨刮短路到电池
Possible Cause	Rear wiper circuit short to battery
检查项目	后雨刮对电源短路
Check Items	BCM Rear wiper circuit line
可能的影响	BCM 后雨刮线束
Possible Symptom	Rear wiper function failure
故障诊断码的运行条件	后雨刮失效
release condition	12V Power supply
故障诊断码的判断条件	12V 电源供电
Failure criteria	Rear wiper circuit short to battery
故障治愈条件	后雨刮对电源短路
healing condition	Repair line
系统反应（降扭或降速等）	修复线束

故障码 DTC	B1430
故障码描述	后雨刮短路
DTC Description	Rear windscreen wiper circuit open
故障发生的可能原因	后雨刮短路
Possible Cause	Rear wiper circuit open
检查项目	后雨刮开路
Check Items	BCM Rear wiper circuit line
可能的影响	BCM 后雨刮线束
Possible Symptom	Rear wiper function failure
故障诊断码的运行条件	后雨刮失效
release condition	12V Power supply
故障诊断码的判断条件	12V 电源供电
Failure criteria	Rear wiper circuit open
故障治愈条件	后雨刮开路
healing condition	Repair line
系统反应（降扭或降速等）	修复线束

故障码 **DTC**	B1423
故障码描述	前洗涤喷水电机短路到地
DTC Description	Front washing spray motor circuit short to ground
故障发生的可能原因	前洗涤喷水电机短路到地
Possible Cause	Front washing water jet motor circuit short to GND
检查项目	前洗涤喷水电机对地短路
Check Items	BCM Front washing water jet motor circuit line
可能的影响	BCM 前洗涤喷水电机线束
Possible Symptom	Front washing water jet motor function failure
故障诊断码的运行条件	前洗涤喷水电机失效
release condition	12V Power supply
故障诊断码的判断条件	12V 电源供电
Failure criteria	Front washing water jet motor circuit short to GND
故障治愈条件	前洗涤喷水电机对地短路
healing condition	Repair line
系统反应（降扭或降速等）	修复线束

故障码 **DTC**	B1423
故障码描述	前洗涤喷水电机短路到电池
DTC Description	Front washing spray motor circuit short to battery
故障发生的可能原因	前洗涤喷水电机短路到电池
Possible Cause	Front washing water jet motor circuit short to battery
检查项目	前洗涤喷水电机对电源短路
Check Items	BCM Front washing water jet motor circuit line
可能的影响	BCM 前洗涤喷水电机线束
Possible Symptom	Front washing water jet motor function failure
故障诊断码的运行条件	前洗涤喷水电机失效
release condition	12V Power supply
故障诊断码的判断条件	12V 电源供电
Failure criteria	Front washing water jet motor circuit short to battery
故障治愈条件	前洗涤喷水电机对电源短路
healing condition	Repair line
系统反应（降扭或降速等）	修复线束

故障码 DTC	B1423
故障码描述	前洗涤喷水电机短路
DTC Description	Front washing spray motor circuit open
故障发生的可能原因	前洗涤喷水电机短路
Possible Cause	Front washing water jet motor circuit open
检查项目	前洗涤喷水电机开路
Check Items	BCM Front washing water jet motor circuit line
可能的影响	BCM 前洗涤喷水电机线束
Possible Symptom	Front washing water jet motor function failure
故障诊断码的运行条件	前洗涤喷水电机失效
release condition	12V Power supply
故障诊断码的判断条件	12V 电源供电
Failure criteria	Front washing water jet motor circuit open
故障治愈条件	前洗涤喷水电机开路
healing condition	Repair line
系统反应（降扭或降速等）	修复线束

故障码 DTC	B1433
故障码描述	后洗涤喷水电机短路到地
DTC Description	Rear washing spray motor circuit short to ground
故障发生的可能原因	后洗涤喷水电机短路到地
Possible Cause	Rear washing water jet motor circuit short to GND
检查项目	后洗涤喷水电机对地短路
Check Items	BCM Rear washing water jet motor circuit line
可能的影响	BCM 后洗涤喷水电机线束
Possible Symptom	Rear washing water jet motor function failure
故障诊断码的运行条件	后洗涤喷水电机失效
release condition	12V Power supply
故障诊断码的判断条件	12V 电源供电
Failure criteria	Rear washing water jet motor circuit short to GND
故障治愈条件	后洗涤喷水电机对地短路
healing condition	Repair line
系统反应（降扭或降速等）	修复线束

故障码 **DTC**	B1433
故障码描述	后洗涤喷水电机短路到电池
DTC Description	Rear washing spray motor circuit short to battery
故障发生的可能原因	后洗涤喷水电机短路到电池
Possible Cause	Rear washing water jet motor circuit short to battery
检查项目	后洗涤喷水电机对电源短路
Check Items	BCM Rear washing water jet motor circuit line
可能的影响	BCM 后洗涤喷水电机线束
Possible Symptom	Rear washing water jet motor function failure
故障诊断码的运行条件	后洗涤喷水电机失效
release condition	12V Power supply
故障诊断码的判断条件	12V 电源供电
Failure criteria	Rear washing water jet motor circuit short to battery
故障治愈条件	后洗涤喷水电机对电源短路
healing condition	Repair line
系统反应（降扭或降速等）	修复线束

故障码 **DTC**	B1433
故障码描述	后洗涤喷水电机短路
DTC Description	Rear washing spray motor circuit open
故障发生的可能原因	后洗涤喷水电机短路
Possible Cause	Rear washing water jet motor circuit open
检查项目	后洗涤喷水电机开路
Check Items	BCM Rear washing water jet motor circuit line
可能的影响	BCM 后洗涤喷水电机线束
Possible Symptom	Rear washing water jet motor function failure
故障诊断码的运行条件	后洗涤喷水电机失效
release condition	12V Power supply
故障诊断码的判断条件	12V 电源供电
Failure criteria	Rear washing water jet motor circuit open
故障治愈条件	后洗涤喷水电机开路
healing condition	Repair line
系统反应（降扭或降速等）	修复线束

故障码 DTC	B1601
故障码描述	KLR(RAP) 继电器短路到地
DTC Description	KLR(RAP) relay circuit short to ground
故障发生的可能原因	KLR(RAP) 继电器短路到地
Possible Cause	KLR(RAP) relay circuit short to GND
检查项目	KLR （RAP）继电器对地短路
Check Items	BCM KLR(RAP) relay circuit line
可能的影响	BCMKLR （RAP）继电器线束
Possible Symptom	KLR(RAP) relay function failure
故障诊断码的运行条件	KLR （RAP）继电器失效
release condition	12V Power supply
故障诊断码的判断条件	12V 电源供电
Failure criteria	KLR(RAP) relay circuit short to GND
故障治愈条件	KLR （RAP）继电器对地短路
healing condition	Repair line
系统反应（降扭或降速等）	修复线束

故障码 DTC	B1601
故障码描述	KLR(RAP) 继电器短路到电池
DTC Description	KLR(RAP) relay circuit short to battery
故障发生的可能原因	KLR(RAP) 继电器短路到电池
Possible Cause	KLR(RAP) relay circuit short to battery
检查项目	KLR （RAP）继电器对电源短路
Check Items	BCM KLR(RAP) relay circuit line
可能的影响	BCMKLR （RAP）继电器线束
Possible Symptom	KLR(RAP) relay function failure
故障诊断码的运行条件	KLR （RAP）继电器失效
release condition	12V Power supply
故障诊断码的判断条件	12V 电源供电
Failure criteria	KLR(RAP) relay circuit short to battery
故障治愈条件	KLR （RAP）继电器对电源短路
healing condition	Repair line
系统反应（降扭或降速等）	修复线束

故障码 DTC	B1601
故障码描述	KLR(RAP) 继电器短路
DTC Description	KLR(RAP) relay circuit open
故障发生的可能原因	KLR(RAP) 继电器短路
Possible Cause	KLR(RAP) relay circuit open
检查项目	KLR （RAP）继电器开路
Check Items	BCM KLR(RAP) relay circuit line
可能的影响	BCMKLR （RAP）继电器线束
Possible Symptom	KLR(RAP) relay function failure
故障诊断码的运行条件	KLR （RAP）继电器失效
release condition	12V Power supply
故障诊断码的判断条件	12V 电源供电
Failure criteria	KLR(RAP) relay circuit open
故障治愈条件	KLR （RAP）继电器开路
healing condition	Repair line
系统反应（降扭或降速等）	修复线束

故障码 DTC	B1602
故障码描述	KL15 继电器短路到地
DTC Description	KL15 relay circuit short to ground
故障发生的可能原因	KL15 继电器短路到地
Possible Cause	KL15 relay circuit short to GND
检查项目	KL15 继电器对地短路
Check Items	BCM KL15 relay circuit line
可能的影响	BCMKL15 继电器线束
Possible Symptom	KL15 relay function failure
故障诊断码的运行条件	KL15 继电器失效
release condition	12V Power supply
故障诊断码的判断条件	12V 电源供电
Failure criteria	KL15 relay circuit short to GND
故障治愈条件	KL15 继电器对地短路
healing condition	Repair line
系统反应（降扭或降速等）	修复线束

故障码 DTC	B1602
故障码描述	KL15 继电器短路到电池
DTC Description	KL15 relay circuit short to battery
故障发生的可能原因	KL15 继电器短路到电池
Possible Cause	KL15 relay circuit short to battery
检查项目	KL15 继电器对电源短路
Check Items	BCM KL15 relay circuit line
可能的影响	BCMKL15 继电器线束
Possible Symptom	KL15 relay function failure
故障诊断码的运行条件	KL15 继电器失效
release condition	12V Power supply
故障诊断码的判断条件	12V 电源供电
Failure criteria	KL15 relay circuit short to battery
故障治愈条件	KL15 继电器对电源短路
healing condition	Repair line
系统反应（降扭或降速等）	修复线束

故障码 DTC	B1602
故障码描述	KL15 继电器短路
DTC Description	KL15 relay circuit open
故障发生的可能原因	KL15 继电器短路
Possible Cause	KL15 relay circuit open
检查项目	KL15 继电器开路
Check Items	BCM KL15 relay circuit line
可能的影响	BCMKL15 继电器线束
Possible Symptom	KL15 relay function failure
故障诊断码的运行条件	KL15 继电器失效
release condition	12V Power supply
故障诊断码的判断条件	12V 电源供电
Failure criteria	KL15 relay circuit open
故障治愈条件	KL15 继电器开路
healing condition	Repair line
系统反应（降扭或降速等）	修复线束

故障码 DTC	B1620
故障码描述	B+ 唤醒短路到地
DTC Description	B+ wake up circuit short to ground
故障发生的可能原因	B+ 唤醒短路到地
Possible Cause	B+ Wake Up circuit short to GND
检查项目	B+ 唤醒对地短路
Check Items	BCM B+ Wake Up circuit line
可能的影响	BCMB+ 唤醒线束
Possible Symptom	B+ Wake Up function failure
故障诊断码的运行条件	B+ 唤醒失效
release condition	12V Power supply
故障诊断码的判断条件	12V 电源供电
Failure criteria	B+ Wake Up circuit short to GND
故障治愈条件	B+ 唤醒对地短路
healing condition	Repair line
系统反应（降扭或降速等）	修复线束

故障码 DTC	B1620
故障码描述	B+ 唤醒短路到电池
DTC Description	B+ wake up circuit short to battery
故障发生的可能原因	B+ 唤醒短路到电池
Possible Cause	B+ Wake Up circuit short to battery
检查项目	B+ 唤醒对电源短路
Check Items	BCM B+ Wake Up circuit line
可能的影响	BCMB+ 唤醒线束
Possible Symptom	B+ Wake Up function failure
故障诊断码的运行条件	B+ 唤醒失效
release condition	12V Power supply
故障诊断码的判断条件	12V 电源供电
Failure criteria	B+ Wake Up circuit short to battery
故障治愈条件	B+ 唤醒对电源短路
healing condition	Repair line
系统反应（降扭或降速等）	修复线束

故障码 DTC	B1620
故障码描述	B+ 唤醒短路
DTC Description	B+ wake up circuit open
故障发生的可能原因	B+ 唤醒短路
Possible Cause	B+ Wake Up circuit open
检查项目	B+ 唤醒开路
Check Items	BCM B+ Wake Up circuit line
可能的影响	BCMB+ 唤醒线束
Possible Symptom	B+ Wake Up function failure
故障诊断码的运行条件	B+ 唤醒失效
release condition	12V Power supply
故障诊断码的判断条件	12V 电源供电
Failure criteria	B+ Wake Up circuit open
故障治愈条件	B+ 唤醒开路
healing condition	Repair line
系统反应（降扭或降速等）	修复线束

故障码 DTC	B1621
故障码描述	KLR 唤醒短路到地
DTC Description	KLR wake up circuit short to ground
故障发生的可能原因	KLR 唤醒短路到地
Possible Cause	KLR Wake Up circuit short to GND
检查项目	KLR 唤醒对地短路
Check Items	BCM KLR Wake Up circuit line
可能的影响	BCMKLR 唤醒线束
Possible Symptom	KLR Wake Up function failure
故障诊断码的运行条件	KLR 唤醒失效
release condition	12V Power supply
故障诊断码的判断条件	12V 电源供电
Failure criteria	KLR Wake Up circuit short to GND
故障治愈条件	KLR 唤醒对地短路
healing condition	Repair line
系统反应（降扭或降速等）	修复线束

故障码 DTC	B1621
故障码描述	KLR 唤醒短路到电池
DTC Description	KLR wake up circuit short to battery
故障发生的可能原因	KLR 唤醒短路到电池
Possible Cause	KLR Wake Up circuit short to battery
检查项目	KLR 唤醒对电源短路
Check Items	BCM KLR Wake Up circuit line
可能的影响	BCMKLR 唤醒线束
Possible Symptom	KLR Wake Up function failure
故障诊断码的运行条件	KLR 唤醒失效
release condition	12V Power supply
故障诊断码的判断条件	12V 电源供电
Failure criteria	KLR Wake Up circuit short to battery
故障治愈条件	KLR 唤醒对电源短路
healing condition	Repair line
系统反应（降扭或降速等）	修复线束

故障码 DTC	B1621
故障码描述	KLR 唤醒短路
DTC Description	KLR wake up circuit open
故障发生的可能原因	KLR 唤醒短路
Possible Cause	KLR Wake Up circuit open
检查项目	KLR 唤醒开路
Check Items	BCM KLR Wake Up circuit line
可能的影响	BCMKLR 唤醒线束
Possible Symptom	KLR Wake Up function failure
故障诊断码的运行条件	KLR 唤醒失效
release condition	12V Power supply
故障诊断码的判断条件	12V 电源供电
Failure criteria	KLR Wake Up circuit open
故障治愈条件	KLR 唤醒开路
healing condition	Repair line
系统反应（降扭或降速等）	修复线束

故障码 DTC	B1622
故障码描述	TCU 短路到地
DTC Description	TCU wake up circuit short to ground
故障发生的可能原因	TCU 短路到地
Possible Cause	TCU Wake Up circuit short to GND
检查项目	TCU 唤醒对地短路
Check Items	BCM TCU Wake Up circuit line
可能的影响	BCMTCU 唤醒线束
Possible Symptom	TCU Wake Up function failure
故障诊断码的运行条件	TCU 唤醒失效
release condition	12V Power supply
故障诊断码的判断条件	12V 电源供电
Failure criteria	TCU Wake Up circuit short to GND
故障治愈条件	TCU 唤醒对地短路
healing condition	Repair line
系统反应（降扭或降速等）	修复线束

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故障码 DTC	B1622
故障码描述	TCU 短路到电池
DTC Description	TCU wake up circuit short to battery
故障发生的可能原因	TCU 短路到电池
Possible Cause	TCU Wake Up circuit short to battery
检查项目	TCU 唤醒对电源短路
Check Items	BCM TCU Wake Up circuit line
可能的影响	BCMTCU 唤醒线束
Possible Symptom	TCU Wake Up function failure
故障诊断码的运行条件	TCU 唤醒失效
release condition	12V Power supply
故障诊断码的判断条件	12V 电源供电
Failure criteria	TCU Wake Up circuit short to battery
故障治愈条件	TCU 唤醒对电源短路
healing condition	Repair line
系统反应（降扭或降速等）	修复线束

故障码 DTC	B1622
故障码描述	TCU 短路
DTC Description	TCU wake up circuit open
故障发生的可能原因	TCU 短路
Possible Cause	TCU Wake Up circuit open
检查项目	TCU 唤醒开路
Check Items	BCM TCU Wake Up circuit line
可能的影响	BCMTCU 唤醒线束
Possible Symptom	TCU Wake Up function failure
故障诊断码的运行条件	TCU 唤醒失效
release condition	12V Power supply
故障诊断码的判断条件	12V 电源供电
Failure criteria	TCU Wake Up circuit open
故障治愈条件	TCU 唤醒开路
healing condition	Repair line
系统反应（降扭或降速等）	修复线束

故障码 DTC	B1615
故障码描述	P 档解锁短路到地
DTC Description	Unlock P gear circuit short to ground
故障发生的可能原因	P 档解锁短路到地
Possible Cause	P gear unlock circuit short to GND
检查项目	P 档解锁对地短路
Check Items	BCM P gear unlock circuit line
可能的影响	BCMP 档解锁线束
Possible Symptom	P gear unlock function failure
故障诊断码的运行条件	P 档解锁失效
release condition	12V Power supply
故障诊断码的判断条件	12V 电源供电
Failure criteria	P gear unlock circuit short to GND
故障治愈条件	P 档解锁对地短路
healing condition	Repair line
系统反应（降扭或降速等）	修复线束

故障码 DTC	B1615
故障码描述	P 档解锁短路到电池
DTC Description	Unlock P gear circuit short to battery
故障发生的可能原因	P 档解锁短路到电池
Possible Cause	P gear unlock circuit short to battery
检查项目	P 档解锁对电源短路
Check Items	BCM P gear unlock circuit line
可能的影响	BCMP 档解锁线束
Possible Symptom	P gear unlock function failure
故障诊断码的运行条件	P 档解锁失效
release condition	12V Power supply
故障诊断码的判断条件	12V 电源供电
Failure criteria	P gear unlock circuit short to battery
故障治愈条件	P 档解锁对电源短路
healing condition	Repair line
系统反应（降扭或降速等）	修复线束

故障码 DTC	B1615
故障码描述	P 档解锁短路
DTC Description	Unlock P gear circuit open
故障发生的可能原因	P 档解锁短路
Possible Cause	P gear unlock circuit open
检查项目	P 档解锁开路
Check Items	BCM P gear unlock circuit line
可能的影响	BCMP 档解锁线束
Possible Symptom	P gear unlock function failure
故障诊断码的运行条件	P 档解锁失效
release condition	12V Power supply
故障诊断码的判断条件	12V 电源供电
Failure criteria	P gear unlock circuit open
故障治愈条件	P 档解锁开路
healing condition	Repair line
系统反应（降扭或降速等）	修复线束

故障码 DTC	B1731
故障码描述	后视镜折叠打开短路到地
DTC Description	Rearview mirror fold open circuit short to ground
故障发生的可能原因	后视镜折叠打开短路到地
Possible Cause	Rear mirror fold opening circuit short to GND
检查项目	后视镜折叠打开对地短路
Check Items	BCM Rear mirror fold opening circuit line
可能的影响	BCM 后视镜折叠打开线束
Possible Symptom	Rear mirror fold opening function failure
故障诊断码的运行条件	后视镜折叠打开失效
release condition	12V Power supply
故障诊断码的判断条件	12V 电源供电
Failure criteria	Rear mirror fold opening circuit short to GND
故障治愈条件	后视镜折叠打开对地短路
healing condition	Repair line
系统反应（降扭或降速等）	修复线束

故障码 DTC	B1731
故障码描述	后视镜折叠打开短路到电池
DTC Description	Rearview mirror fold open circuit short to battery
故障发生的可能原因	后视镜折叠打开短路到电池
Possible Cause	Rear mirror fold opening circuit short to battery
检查项目	后视镜折叠打开对电源短路
Check Items	BCM Rear mirror fold opening circuit line
可能的影响	BCM 后视镜折叠打开线束
Possible Symptom	Rear mirror fold opening function failure
故障诊断码的运行条件	后视镜折叠打开失效
release condition	12V Power supply
故障诊断码的判断条件	12V 电源供电
Failure criteria	Rear mirror fold opening circuit short to battery
故障治愈条件	后视镜折叠打开对电源短路
healing condition	Repair line
系统反应（降扭或降速等）	修复线束

故障码 DTC	B1731
故障码描述	后视镜折叠打开短路
DTC Description	Rearview mirror fold open circuit open
故障发生的可能原因	后视镜折叠打开短路
Possible Cause	Rear mirror fold opening circuit open
检查项目	后视镜折叠打开开路
Check Items	BCM Rear mirror fold opening circuit line
可能的影响	BCM 后视镜折叠打开线束
Possible Symptom	Rear mirror fold opening function failure
故障诊断码的运行条件	后视镜折叠打开失效
release condition	12V Power supply
故障诊断码的判断条件	12V 电源供电
Failure criteria	Rear mirror fold opening circuit open
故障治愈条件	后视镜折叠打开开路
healing condition	Repair line
系统反应（降扭或降速等）	修复线束

故障码 DTC	B1732
故障码描述	后视镜折叠关闭短路到地
DTC Description	Rearview mirror fold close circuit short to ground
故障发生的可能原因	后视镜折叠关闭短路到地
Possible Cause	Rear mirror fold closing circuit short to GND
检查项目	后视镜折叠关闭对地短路
Check Items	BCM Rear mirror fold closing circuit line
可能的影响	BCM 后视镜折叠关闭线束
Possible Symptom	Rear mirror fold closing function failure
故障诊断码的运行条件	后视镜折叠关闭失效
release condition	12V Power supply
故障诊断码的判断条件	12V 电源供电
Failure criteria	Rear mirror fold closing circuit short to GND
故障治愈条件	后视镜折叠关闭对地短路
healing condition	Repair line
系统反应（降扭或降速等）	修复线束

故障码 DTC	B1732
故障码描述	后视镜折叠关闭短路到电池
DTC Description	Rearview mirror fold close circuit short to battery
故障发生的可能原因	后视镜折叠关闭短路到电池
Possible Cause	Rear mirror fold closing circuit short to battery
检查项目	后视镜折叠关闭对电源短路
Check Items	BCM Rear mirror fold closing circuit line
可能的影响	BCM 后视镜折叠关闭线束
Possible Symptom	Rear mirror fold closing function failure
故障诊断码的运行条件	后视镜折叠关闭失效
release condition	12V Power supply
故障诊断码的判断条件	12V 电源供电
Failure criteria	Rear mirror fold closing circuit short to battery
故障治愈条件	后视镜折叠关闭对电源短路
healing condition	Repair line
系统反应（降扭或降速等）	修复线束

故障码 DTC	B1732
故障码描述	后视镜折叠关闭短路
DTC Description	Rearview mirror fold close circuit open
故障发生的可能原因	后视镜折叠关闭短路
Possible Cause	Rear mirror fold closing circuit open
检查项目	后视镜折叠关闭开路
Check Items	BCM Rear mirror fold closing circuit line
可能的影响	BCM 后视镜折叠关闭线束
Possible Symptom	Rear mirror fold closing function failure
故障诊断码的运行条件	后视镜折叠关闭失效
release condition	12V Power supply
故障诊断码的判断条件	12V 电源供电
Failure criteria	Rear mirror fold closing circuit open
故障治愈条件	后视镜折叠关闭开路
healing condition	Repair line
系统反应（降扭或降速等）	修复线束

故障码 DTC	B1617
故障码描述	后风窗 / 视镜短路到地
DTC Description	Rearview mirror heating circuit short to ground
故障发生的可能原因	后风窗 / 视镜短路到地
Possible Cause	Rear window and mirror heating circuit short to GND
检查项目	后风窗 / 视镜加热对地短路
Check Items	BCM Rear window and mirror heating circuit line
可能的影响	BCM 后风窗 / 视镜加热线束
Possible Symptom	Rear window and mirror heating function failure
故障诊断码的运行条件	后风窗 / 视镜加热失效
release condition	12V Power supply
故障诊断码的判断条件	12V 电源供电
Failure criteria	Rear window and mirror heating circuit short to GND
故障治愈条件	后风窗 / 视镜加热对地短路
healing condition	Repair line
系统反应（降扭或降速等）	修复线束

故障码 DTC	B1617
故障码描述	后风窗 / 视镜短路到电池
DTC Description	Rearview mirror heating circuit short to battery
故障发生的可能原因	后风窗 / 视镜短路到电池
Possible Cause	Rear window and mirror heating circuit short to battery
检查项目	后风窗 / 视镜加热对电源短路
Check Items	BCM Rear window and mirror heating circuit line
可能的影响	BCM 后风窗 / 视镜加热线束
Possible Symptom	Rear window and mirror heating function failure
故障诊断码的运行条件	后风窗 / 视镜加热失效
release condition	12V Power supply
故障诊断码的判断条件	12V 电源供电
Failure criteria	Rear window and mirror heating circuit short to battery
故障治愈条件	后风窗 / 视镜加热对电源短路
healing condition	Repair line
系统反应（降扭或降速等）	修复线束

故障码 DTC	B1617
故障码描述	后风窗 / 视镜短路
DTC Description	Rearview mirror heating circuit open
故障发生的可能原因	后风窗 / 视镜短路
Possible Cause	Rear window and mirror heating circuit open
检查项目	后风窗 / 视镜加热开路
Check Items	BCM Rear window and mirror heating circuit line
可能的影响	BCM 后风窗 / 视镜加热线束
Possible Symptom	Rear window and mirror heating function failure
故障诊断码的运行条件	后风窗 / 视镜加热失效
release condition	12V Power supply
故障诊断码的判断条件	12V 电源供电
Failure criteria	Rear window and mirror heating circuit open
故障治愈条件	后风窗 / 视镜加热开路
healing condition	Repair line
系统反应（降扭或降速等）	修复线束

故障码 DTC	B1613
故障码描述	左前座椅加热短路到地
DTC Description	Left front seat heating circuit short to ground
故障发生的可能原因	左前座椅加热短路到地
Possible Cause	Left front seat heating circuit short to GND
检查项目	左前座椅加热对地短路
Check Items	BCM Left front seat heating circuit line
可能的影响	BCM 左前座椅加热线束
Possible Symptom	Left front seat heating function failure
故障诊断码的运行条件	左前座椅加热失效
release condition	12V Power supply
故障诊断码的判断条件	12V 电源供电
Failure criteria	Left front seat heating circuit short to GND
故障治愈条件	左前座椅加热对地短路
healing condition	Repair line
系统反应（降扭或降速等）	修复线束

故障码 DTC	B1613
故障码描述	左前座椅加热短路到电池
DTC Description	Left front seat heating circuit short to battery
故障发生的可能原因	左前座椅加热短路到电池
Possible Cause	Left front seat heating circuit short to battery
检查项目	左前座椅加热对电源短路
Check Items	BCM Left front seat heating circuit line
可能的影响	BCM 左前座椅加热线束
Possible Symptom	Left front seat heating function failure
故障诊断码的运行条件	左前座椅加热失效
release condition	12V Power supply
故障诊断码的判断条件	12V 电源供电
Failure criteria	Left front seat heating circuit short to battery
故障治愈条件	左前座椅加热对电源短路
healing condition	Repair line
系统反应（降扭或降速等）	修复线束

故障码 DTC	B1613
故障码描述	左前座椅加热短
DTC Description	Left front seat heating circuit open
故障发生的可能原因	左前座椅加热短路
Possible Cause	Left front seat heating circuit open
检查项目	左前座椅加热开路
Check Items	BCM Left front seat heating circuit line
可能的影响	BCM 左前座椅加热线束
Possible Symptom	Left front seat heating function failure
故障诊断码的运行条件	左前座椅加热失效
release condition	12V Power supply
故障诊断码的判断条件	12V 电源供电
Failure criteria	Left front seat heating circuit open
故障治愈条件	左前座椅加热开路
healing condition	Repair line
系统反应（降扭或降速等）	修复线束

故障码 DTC	B1614
故障码描述	右前座椅短路到地
DTC Description	Right front seat heating circuit short to ground
故障发生的可能原因	右前座椅短路到地
Possible Cause	Right front seat heating circuit short to GND
检查项目	右前座椅加热对地短路
Check Items	BCM Right front seat heating circuit line
可能的影响	BCM 右前座椅加热线束
Possible Symptom	Right front seat heating function failure
故障诊断码的运行条件	右前座椅加热失效
release condition	12V Power supply
故障诊断码的判断条件	12V 电源供电
Failure criteria	Right front seat heating circuit short to GND
故障治愈条件	右前座椅加热对地短路
healing condition	Repair line
系统反应（降扭或降速等）	修复线束

故障码 DTC	B1614
故障码描述	右前座椅短路到电池
DTC Description	Right front seat circuit short to battery
故障发生的可能原因	右前座椅短路到电池
Possible Cause	Right front seat heating circuit short to battery
检查项目	右前座椅加热对电源短路
Check Items	BCM Right front seat heating circuit line
可能的影响	BCM 右前座椅加热线束
Possible Symptom	Right front seat heating function failure
故障诊断码的运行条件	右前座椅加热失效
release condition	12V Power supply
故障诊断码的判断条件	12V 电源供电
Failure criteria	Right front seat heating circuit short to battery
故障治愈条件	右前座椅加热对电源短路
healing condition	Repair line
系统反应（降扭或降速等）	修复线束

故障码 DTC	B1614
故障码描述	右前座椅短路
DTC Description	Right front seat circuit open
故障发生的可能原因	右前座椅短路
Possible Cause	Right front seat heating circuit open
检查项目	右前座椅加热开路
Check Items	BCM Right front seat heating circuit line
可能的影响	BCM 右前座椅加热线束
Possible Symptom	Right front seat heating function failure
故障诊断码的运行条件	右前座椅加热失效
release condition	12V Power supply
故障诊断码的判断条件	12V 电源供电
Failure criteria	Right front seat heating circuit open
故障治愈条件	右前座椅加热开路
healing condition	Repair line
系统反应（降扭或降速等）	修复线束

故障码 DTC	B12B1
故障码描述	引擎盖开关短路到地
DTC Description	Hood switch circuit short to ground
故障发生的可能原因	引擎盖开关短路到地
Possible Cause	Hood switch circuit short to GND
检查项目	引擎盖开关对地短路
Check Items	BCM Hood switch circuit line
可能的影响	BCM 引擎盖开关线束
Possible Symptom	Hood switch function failure
故障诊断码的运行条件	引擎盖开关失效
release condition	12V Power supply
故障诊断码的判断条件	12V 电源供电
Failure criteria	Hood switch circuit short to GND
故障治愈条件	引擎盖开关对地短路
healing condition	Repair line
系统反应（降扭或降速等）	修复线束

故障码 DTC	B12B1
故障码描述	引擎盖开关短路到电池
DTC Description	Hood switch circuit short to battery
故障发生的可能原因	引擎盖开关短路到电池
Possible Cause	Hood switch circuit short to battery
检查项目	引擎盖开关对电源短路
Check Items	BCM Hood switch circuit line
可能的影响	BCM 引擎盖开关线束
Possible Symptom	Hood switch function failure
故障诊断码的运行条件	引擎盖开关失效
release condition	12V Power supply
故障诊断码的判断条件	12V 电源供电
Failure criteria	Hood switch circuit short to battery
故障治愈条件	引擎盖开关对电源短路
healing condition	Repair line
系统反应（降扭或降速等）	修复线束

故障码 DTC	B12B1
故障码描述	引擎盖开关短路
DTC Description	Hood switch circuit open
故障发生的可能原因	引擎盖开关短路
Possible Cause	Hood switch circuit open
检查项目	引擎盖开关开路
Check Items	BCM Hood switch circuit line
可能的影响	BCM 引擎盖开关线束
Possible Symptom	Hood switch function failure
故障诊断码的运行条件	引擎盖开关失效
release condition	12V Power supply
故障诊断码的判断条件	12V 电源供电
Failure criteria	Hood switch circuit open
故障治愈条件	引擎盖开关开路
healing condition	Repair line
系统反应（降扭或降速等）	修复线束

故障码 DTC	B12B1
故障码描述	引擎盖开关电路电阻超出范围
DTC Description	Hood switch circuit open circuit resistance out of range
故障发生的可能原因	引擎盖开关电路电阻超出范围
Possible Cause	Hood switch resistance out of range for 1s
检查项目	检测到引擎盖开关输入内电阻超过 1s 不在范围内
Check Items	BCM Hood switch regulator switch line
可能的影响	BCM 引擎盖开关输入线束
Possible Symptom	BCM Hood switch function failure
故障诊断码的运行条件	引擎盖开关功能失效
release condition	12V Power supply
故障诊断码的判断条件	12V 电源供电
Failure criteria	Hood switch resistance out of range for 2s
故障治愈条件	检测到引擎盖开关输入内电阻超过 2s 不在范围内
healing condition	Repair line
系统反应（降扭或降速等）	修复线束

故障码 DTC	B1201
故障码描述	组合灯管开关短路到地
DTC Description	Combined light switch circuit short to ground
故障发生的可能原因	组合灯管开关短路到地
Possible Cause	Combination lights switch circuit short to GND
检查项目	组合灯光开关对地短路
Check Items	BCM Combination lights switch circuit line
可能的影响	BCM 组合灯光开关线束
Possible Symptom	Combination lights switch function failure
故障诊断码的运行条件	组合灯光开关失效
release condition	12V Power supply
故障诊断码的判断条件	12V 电源供电
Failure criteria	Combination lights switch circuit short to GND
故障治愈条件	组合灯光开关对地短路
healing condition	Repair line
系统反应（降扭或降速等）	修复线束

故障码 DTC	B1201
故障码描述	组合灯管开关短路到电池
DTC Description	Combined light switch circuit short to battery
故障发生的可能原因	组合灯管开关短路到电池
Possible Cause	Combination lights switch circuit short to battery
检查项目	组合灯光开关对电源短路
Check Items	BCM Combination lights switch circuit line
可能的影响	BCM 组合灯光开关线束
Possible Symptom	Combination lights switch function failure
故障诊断码的运行条件	组合灯光开关失效
release condition	12V Power supply
故障诊断码的判断条件	12V 电源供电
Failure criteria	Combination lights switch circuit short to battery
故障治愈条件	组合灯光开关对电源短路
healing condition	Repair line
系统反应（降扭或降速等）	修复线束

故障码 DTC	B1201
故障码描述	组合灯管开关短路
DTC Description	Combined light switch circuit open
故障发生的可能原因	组合灯管开关短路
Possible Cause	Combination lights switch circuit open
检查项目	组合灯光开关开路
Check Items	BCM Combination lights switch circuit line
可能的影响	BCM 组合灯光开关线束
Possible Symptom	Combination lights switch function failure
故障诊断码的运行条件	组合灯光开关失效
release condition	12V Power supply
故障诊断码的判断条件	12V 电源供电
Failure criteria	Combination lights switch circuit open
故障治愈条件	组合灯光开关开路
healing condition	Repair line
系统反应（降扭或降速等）	修复线束

故障码 DTC	B1201
故障码描述	组合灯管开关电路电阻超出范围
DTC Description	Combined light switch circuit open circuit open circuit resistance out of range
故障发生的可能原因	组合灯管开关电路电阻超出范围
Possible Cause	Combination lights switch resistance out of range for 1s
检查项目	检测到组合灯光开关输入内电阻超过 1s 不在范围内
Check Items	BCM Combination lights switch regulator switch line
可能的影响	BCM 组合灯光开关输入线束
Possible Symptom	BCM Combination lights switch function failure
故障诊断码的运行条件	组合灯光开关功能失效
release condition	12V Power supply
故障诊断码的判断条件	12V 电源供电
Failure criteria	Combination lights switch resistance out of range for 2s
故障治愈条件	检测到组合灯光开关输入内电阻超过 2s 不在范围内
healing condition	Repair line
系统反应（降扭或降速等）	修复线束

故障码 DTC	B12B2
故障码描述	SPORT/ECO switch 短路到地
DTC Description	SPORT/ECO switch circuit short to ground
故障发生的可能原因	SPORT/ECO switch 短路到地
Possible Cause	SPORT/ECO circuit short to GND
检查项目	SPORT/ECO 开关对地短路
Check Items	BCM SPORT/ECO 开关 circuit line
可能的影响	BCMSPORT/ECO 开关线束
Possible Symptom	SPORT/ECO 开关 function failure
故障诊断码的运行条件	SPORT/ECO 开关失效
release condition	12V Power supply
故障诊断码的判断条件	12V 电源供电
Failure criteria	SPORT/ECO circuit short to GND
故障治愈条件	SPORT/ECO 开关对地短路
healing condition	Repair line
系统反应（降扭或降速等）	修复线束

故障码 **DTC**	B12B2
故障码描述	SPORT/ECO switch 短路到电池
DTC Description	SPORT/ECO switch circuit short to battery
故障发生的可能原因	SPORT/ECO switch 短路到电池
Possible Cause	SPORT/ECO circuit short to battery
检查项目	SPORT/ECO 开关对电源短路
Check Items	BCM SPORT/ECO 开关 circuit line
可能的影响	BCMSPORT/ECO 开关线束
Possible Symptom	SPORT/ECO 开关 function failure
故障诊断码的运行条件	SPORT/ECO 开关失效
release condition	12V Power supply
故障诊断码的判断条件	12V 电源供电
Failure criteria	SPORT/ECO circuit short to battery
故障治愈条件	SPORT/ECO 开关对电源短路
healing condition	Repair line
系统反应（降扭或降速等）	修复线束

故障码 **DTC**	B12B2
故障码描述	SPORT/ECO switch 短路
DTC Description	SPORT/ECO switch circuit open
故障发生的可能原因	SPORT/ECO switch 短路
Possible Cause	SPORT/ECO circuit open
检查项目	SPORT/ECO 开关开路
Check Items	BCM SPORT/ECO 开关 circuit line
可能的影响	BCMSPORT/ECO 开关线束
Possible Symptom	SPORT/ECO 开关 function failure
故障诊断码的运行条件	SPORT/ECO 开关失效
release condition	12V Power supply
故障诊断码的判断条件	12V 电源供电
Failure criteria	SPORT/ECO circuit open
故障治愈条件	SPORT/ECO 开关开路
healing condition	Repair line
系统反应（降扭或降速等）	修复线束

故障码 DTC	B12B2
故障码描述	SPORT/ECO 开关电路电阻超出范围
DTC Description	SPORT/ECO switch circuit open circuit resistance out of range
故障发生的可能原因	SPORT/ECO 开关电路电阻超出范围
Possible Cause	SPORT/ECO resistance out of range for 1s
检查项目	检测到 SPORT/ECO 输入内电阻超过 1s 不在范围内
Check Items	BCM SPORT/ECO regulator switch line
可能的影响	BCMSPORT/ECO 输入线束
Possible Symptom	BCM SPORT/ECO function failure
故障诊断码的运行条件	SPORT/ECO 功能失效
release condition	12V Power supply
故障诊断码的判断条件	12V 电源供电
Failure criteria	SPORT/ECO resistance out of range for 2s
故障治愈条件	检测到 SPORT/ECO 输入内电阻超过 2s 不在范围内
healing condition	Repair line
系统反应（降扭或降速等）	修复线束

故障码 DTC	B12B3
故障码描述	ACC 巡航短路到地
DTC Description	ACC cruise circuit short to ground
故障发生的可能原因	ACC 巡航短路到地
Possible Cause	ACC cruise circuit short to GND
检查项目	ACC cruise 对地短路
Check Items	BCM ACC cruise circuit line
可能的影响	BCMACC cruise 线束
Possible Symptom	ACC cruise function failure
故障诊断码的运行条件	ACC cruise 失效
release condition	12V Power supply
故障诊断码的判断条件	12V 电源供电
Failure criteria	ACC cruise circuit short to GND
故障治愈条件	ACC cruise 对地短路
healing condition	Repair line
系统反应（降扭或降速等）	修复线束

故障码 DTC	B12B3
故障码描述	ACC 巡航短路到电池
DTC Description	ACC cruise circuit short to battery
故障发生的可能原因	ACC 巡航短路到电池
Possible Cause	ACC cruise circuit short to battery
检查项目	ACC cruise 对电源短路
Check Items	BCM ACC cruise circuit line
可能的影响	BCMACC cruise 线束
Possible Symptom	ACC cruise function failure
故障诊断码的运行条件	ACC cruise 失效
release condition	12V Power supply
故障诊断码的判断条件	12V 电源供电
Failure criteria	ACC cruise circuit short to battery
故障治愈条件	ACC cruise 对电源短路
healing condition	Repair line
系统反应（降扭或降速等）	修复线束

故障码 DTC	B12B3
故障码描述	ACC 巡航短路
DTC Description	ACC cruise circuit open
故障发生的可能原因	ACC 巡航短路
Possible Cause	ACC cruise circuit open
检查项目	ACC cruise 开路
Check Items	BCM ACC cruise circuit line
可能的影响	BCMACC cruise 线束
Possible Symptom	ACC cruise function failure
故障诊断码的运行条件	ACC cruise 失效
release condition	12V Power supply
故障诊断码的判断条件	12V 电源供电
Failure criteria	ACC cruise circuit open
故障治愈条件	ACC cruise 开路
healing condition	Repair line
系统反应（降扭或降速等）	修复线束

故障码 DTC	B12B3
故障码描述	ACC 巡航电路电阻超出范围
DTC Description	ACC cruise circuit open circuit resistance out of range
故障发生的可能原因	ACC 巡航电路电阻超出范围
Possible Cause	ACC cruise resistance out of range for 1s
检查项目	检测到 ACC 巡航输入内电阻超过 1s 不在范围内
Check Items	BCM ACC cruise regulator switch line
可能的影响	BCMACC 巡航输入线束
Possible Symptom	BCM ACC cruise function failure
故障诊断码的运行条件	ACC 巡航功能失效
release condition	12V Power supply
故障诊断码的判断条件	12V 电源供电
Failure criteria	ACC cruise resistance out of range for 2s
故障治愈条件	检测到 ACC 巡航输入内电阻超过 2s 不在范围内
healing condition	Repair line
系统反应（降扭或降速等）	修复线束

故障码 DTC	B1203
故障码描述	刹车踏板短路到地
DTC Description	Brake pedal circuit short to ground
故障发生的可能原因	刹车踏板短路到地
Possible Cause	Brake pedal circuit short to GND
检查项目	刹车踏板 对地短路
Check Items	BCM Brake pedal circuit line
可能的影响	BCM 刹车和踏板 I 线束
Possible Symptom	Brake pedal function failure
故障诊断码的运行条件	刹车踏板失效
release condition	12V Power supply
故障诊断码的判断条件	12V 电源供电
Failure criteria	Brake pedal circuit short to GND
故障治愈条件	刹车踏板 对地短路
healing condition	Repair line
系统反应（降扭或降速等）	修复线束

故障码 DTC	B1203
故障码描述	刹车踏板短路到电池
DTC Description	Brake pedal circuit short to battery
故障发生的可能原因	刹车踏板短路到电池
Possible Cause	Brake pedal circuit short to battery
检查项目	刹车踏板 对电源短路
Check Items	BCM Brake pedal circuit line
可能的影响	BCM 刹车踏板线束
Possible Symptom	Brake pedal function failure
故障诊断码的运行条件	刹车踏板 失效
release condition	12V Power supply
故障诊断码的判断条件	12V 电源供电
Failure criteria	Brake pedal circuit short to battery
故障治愈条件	刹车踏板 对电源短路
healing condition	Repair line
系统反应（降扭或降速等）	修复线束

故障码 DTC	B1203
故障码描述	刹车踏板短路
DTC Description	Brake pedal circuit open
故障发生的可能原因	刹车踏板短路
Possible Cause	Brake pedal circuit open
检查项目	刹车踏板 开路
Check Items	BCM Brake pedal circuit line
可能的影响	BCM 刹车踏板 线束
Possible Symptom	Brake pedal function failure
故障诊断码的运行条件	刹车踏板 失效
release condition	12V Power supply
故障诊断码的判断条件	12V 电源供电
Failure criteria	Brake pedal circuit open
故障治愈条件	刹车踏板 开路
healing condition	Repair line
系统反应（降扭或降速等）	修复线束

故障码 DTC	B1203
故障码描述	刹车踏板电路电阻超出范围
DTC Description	Brake pedal circuit open circuit resistance out of range
故障发生的可能原因	刹车踏板电路电阻超出范围
Possible Cause	Brake pedal resistance out of range for 1s
检查项目	检测到刹车踏板输入内电阻超过 1s 不在范围内
Check Items	BCM Brake pedal regulator switch line
可能的影响	BCM 刹车踏板输入线束
Possible Symptom	BCM Brake pedal function failure
故障诊断码的运行条件	刹车踏板功能失效
release condition	12V Power supply
故障诊断码的判断条件	12V 电源供电
Failure criteria	Brake pedal resistance out of range for 2s
故障治愈条件	检测到刹车踏板输入内电阻超过 2s 不在范围内
healing condition	Repair line
系统反应（降扭或降速等）	修复线束

故障码 DTC	B12B4
故障码描述	M 挡位信号短路到地
DTC Description	M gear signal circuit short to ground
故障发生的可能原因	M 挡位信号短路到地
Possible Cause	M gear signal circuit short to GND
检查项目	M 档位信号对地短路
Check Items	BCM M gear signal circuit line
可能的影响	BCM 刹车和踏板线束
Possible Symptom	M gear signal function failure
故障诊断码的运行条件	M 档位信号失效
release condition	12V Power supply
故障诊断码的判断条件	12V 电源供电
Failure criteria	M gear signal circuit short to GND
故障治愈条件	M 档位信号对地短路
healing condition	Repair line
系统反应（降扭或降速等）	修复线束

故障码 DTC	B12B4
故障码描述	M 挡位信号短路到电池
DTC Description	M gear signal circuit short to battery
故障发生的可能原因	M 挡位信号短路到电池
Possible Cause	M gear signal circuit short to battery
检查项目	M 档位信号对电源短路
Check Items	BCM M gear signal circuit line
可能的影响	BCMM 档位信号线束
Possible Symptom	M gear signal function failure
故障诊断码的运行条件	M 档位信号失效
release condition	12V Power supply
故障诊断码的判断条件	12V 电源供电
Failure criteria	M gear signal circuit short to battery
故障治愈条件	M 档位信号对电源短路
healing condition	Repair line
系统反应（降扭或降速等）	修复线束

故障码 DTC	B12B4
故障码描述	M 挡位信号短路
DTC Description	M gear signal circuit open
故障发生的可能原因	M 挡位信号短路
Possible Cause	M gear signal circuit open
检查项目	M 档位信号开路
Check Items	BCM M gear signal circuit line
可能的影响	BCMM 档位信号线束
Possible Symptom	M gear signal function failure
故障诊断码的运行条件	M 档位信号失效
release condition	12V Power supply
故障诊断码的判断条件	12V 电源供电
Failure criteria	M gear signal circuit open
故障治愈条件	M 档位信号开路
healing condition	Repair line
系统反应（降扭或降速等）	修复线束

故障码 DTC	B12B4
故障码描述	M 挡位信号电路电阻超出范围
DTC Description	M gear signal circuit open circuit resistance out of range
故障发生的可能原因	M 挡位信号电路电阻超出范围
Possible Cause	M gear signal switch resistance out of range for 1s
检查项目	检测到 M 档位信号输入开关内电阻超过 1s 不在范围内
Check Items	BCM M gear signal switch regulator switch line
可能的影响	BCMM 档位信号输入线束
Possible Symptom	BCM M gear signal switch function failure
故障诊断码的运行条件	M 档位信号功能失效
release condition	12V Power supply
故障诊断码的判断条件	12V 电源供电
Failure criteria	M gear signal switch resistance out of range for 2s
故障治愈条件	检测到 M 档位信号输入开关内电阻超过 2s 不在范围内
healing condition	Repair line
系统反应（降扭或降速等）	修复线束

故障码 DTC	B12B5
故障码描述	PRND 挡位信号短路到地
DTC Description	PRND gear switch circuit short to ground
故障发生的可能原因	PRND 挡位信号短路到地
Possible Cause	PRND gear signal circuit short to GND
检查项目	PRND 档位信号对地短路
Check Items	BCPRND PRND gear signal circuit line
可能的影响	BCPRND 刹车和踏板线束
Possible Symptom	PRND gear signal function failure
故障诊断码的运行条件	PRND 档位信号失效
release condition	12V Power supply
故障诊断码的判断条件	12V 电源供电
Failure criteria	PRND gear signal circuit short to GND
故障治愈条件	PRND 档位信号对地短路
healing condition	Repair line
系统反应（降扭或降速等）	修复线束

故障码 **DTC**	B12B5
故障码描述	PRND 挡位信号短路到电池
DTC Description	PRND gear switch circuit short to battery
故障发生的可能原因	PRND 挡位信号短路到电池
Possible Cause	PRND gear signal circuit short to battery
检查项目	PRND 档位信号对电源短路
Check Items	BCPRND PRND gear signal circuit line
可能的影响	BCPRNDPRND 档位信号线束
Possible Symptom	PRND gear signal function failure
故障诊断码的运行条件	PRND 档位信号失效
release condition	12V Power supply
故障诊断码的判断条件	12V 电源供电
Failure criteria	PRND gear signal circuit short to battery
故障治愈条件	PRND 档位信号对电源短路
healing condition	Repair line
系统反应（降扭或降速等）	修复线束

故障码 **DTC**	B12B5
故障码描述	PRND 挡位信号短路
DTC Description	PRND gear switch circuit open
故障发生的可能原因	PRND 挡位信号短路
Possible Cause	PRND gear signal circuit open
检查项目	PRND 档位信号开路
Check Items	BCPRND PRND gear signal circuit line
可能的影响	BCPRNDPRND 档位信号线束
Possible Symptom	PRND gear signal function failure
故障诊断码的运行条件	PRND 档位信号失效
release condition	12V Power supply
故障诊断码的判断条件	12V 电源供电
Failure criteria	PRND gear signal circuit open
故障治愈条件	PRND 档位信号开路
healing condition	Repair line
系统反应（降扭或降速等）	修复线束

故障码 DTC	B12B5
故障码描述	PRND 挡位信号电路电阻超出范围
DTC Description	PRND gear circuit open circuit resistance out of range
故障发生的可能原因	PRND 挡位信号电路电阻超出范围
Possible Cause	PRND gear signal switch resistance out of range for 1s
检查项目	检测到前 PRND 档位开关输入开关内电阻超过 1s 不在范围内
Check Items	BCM PRND gear signal switch regulator switch line
可能的影响	BCM 前 PRND 档位开关输入线束
Possible Symptom	BCM PRND gear signal switch function failure
故障诊断码的运行条件	前 PRND 档位开关功能失效
release condition	12V Power supply
故障诊断码的判断条件	12V 电源供电
Failure criteria	PRND gear signal switch resistance out of range for 2s
故障治愈条件	检测到前 PRND 档位开关输入开关内电阻超过 2s 不在范围内
healing condition	Repair line
系统反应（降扭或降速等）	修复线束

故障码 DTC	B12B6
故障码描述	前雨刮间歇灵敏度开关短路到地
DTC Description	Front windscree wiper intermittent switch circuit short to ground
故障发生的可能原因	前雨刮间歇灵敏度开关短路到地
Possible Cause	Pre wiper intermittent sensitivity switch circuit short to GND
检查项目	前雨刮间歇灵敏度开关对地短路
Check Items	BCM Pre wiper intermittent sensitivity switch circuit line
可能的影响	前雨刮间歇灵敏度开关线束
Possible Symptom	Pre wiper intermittent sensitivity switch function failure
故障诊断码的运行条件	前雨刮间歇灵敏度开关失效
release condition	12V Power supply
故障诊断码的判断条件	12V 电源供电
Failure criteria	Pre wiper intermittent sensitivity switch circuit short to GND
故障治愈条件	前雨刮间歇灵敏度开关对地短路
healing condition	Repair line
系统反应（降扭或降速等）	修复线束

故障码 DTC	B12B6
故障码描述	前雨刮间歇灵敏度开关短路到电池
DTC Description	Front windscree wiper intermittent switch circuit short to battery
故障发生的可能原因	前雨刮间歇灵敏度开关短路到电池
Possible Cause	Pre wiper intermittent sensitivity switch circuit short to battery
检查项目	前雨刮间歇灵敏度开关对电源短路
Check Items	BCM Pre wiper intermittent sensitivity switch circuit line
可能的影响	前雨刮间歇灵敏度开关线束
Possible Symptom	Pre wiper intermittent sensitivity switch function failure
故障诊断码的运行条件	前雨刮间歇灵敏度开关失效
release condition	12V Power supply
故障诊断码的判断条件	12V 电源供电
Failure criteria	Pre wiper intermittent sensitivity switch circuit short to battery
故障治愈条件	前雨刮间歇灵敏度开关对电源短路
healing condition	Repair line
系统反应（降扭或降速等）	修复线束

故障码 DTC	B12B6
故障码描述	前雨刮间歇灵敏度开关短路
DTC Description	Front windscree wiper intermittent switch circuit open
故障发生的可能原因	前雨刮间歇灵敏度开关短路
Possible Cause	Pre wiper intermittent sensitivity switch circuit open
检查项目	前雨刮间歇灵敏度开关开路
Check Items	BCM Pre wiper intermittent sensitivity switch circuit line
可能的影响	前雨刮间歇灵敏度开关线束
Possible Symptom	Pre wiper intermittent sensitivity switch function failure
故障诊断码的运行条件	前雨刮间歇灵敏度开关失效
release condition	12V Power supply
故障诊断码的判断条件	12V 电源供电
Failure criteria	Pre wiper intermittent sensitivity switch circuit open
故障治愈条件	前雨刮间歇灵敏度开关开路
healing condition	Repair line
系统反应（降扭或降速等）	修复线束

故障码 DTC	B12B6
故障码描述	前雨刮间歇灵敏度开关电路电阻超出范围
DTC Description	Front windscree wiper intermittent switch circuit open circuit resistance out of range
故障发生的可能原因	前雨刮间歇灵敏度开关电路电阻超出范围
Possible Cause	Pre wiper intermittent sensitivity switch resistance out of range for 1s
检查项目	检测到前雨刮间歇灵敏度开关输入开关内电阻超过 1s 不在范围内
Check Items	BCM Pre wiper intermittent sensitivity switch regulator switch line
可能的影响	BCM 前雨刮间歇灵敏度开关输入线束
Possible Symptom	BCM Pre wiper intermittent sensitivity switch function failure
故障诊断码的运行条件	前雨刮间歇灵敏度开关功能失效
release condition	12V Power supply
故障诊断码的判断条件	12V 电源供电
Failure criteria	Pre wiper intermittent sensitivity switch resistance out of range for 2s
故障治愈条件	检测到前雨刮间歇灵敏度开关输入开关内电阻超过 2s 不在范围内
healing condition	Repair line
系统反应（降扭或降速等）	修复线束

故障码 DTC	B12B7
故障码描述	Start/Stop 开关短路到地
DTC Description	Start/Stop switch circuit short to ground
故障发生的可能原因	Start/Stop 开关短路到地
Possible Cause	Start/Stop switch circuit short to GND
检查项目	起停开关对地短路
Check Items	BCMStart/Stop switch circuit line
可能的影响	BCM 起停开关线束
Possible Symptom	Start/Stop switch function failure
故障诊断码的运行条件	起停开关失效
release condition	12V Power supply
故障诊断码的判断条件	12V 电源供电
Failure criteria	Start/Stop switch circuit short to GND
故障治愈条件	起停开关对地短路
healing condition	Repair line
系统反应（降扭或降速等）	修复线束

故障码 DTC	B12B7
故障码描述	Start/Stop 开关短路到电池
DTC Description	Start/Stop switch circuit short to battery
故障发生的可能原因	Start/Stop 开关短路到电池
Possible Cause	Start/Stop switch circuit short to battery
检查项目	起停开关对电源短路
Check Items	BCMStart/Stop switch circuit line
可能的影响	BCM 起停开关线束
Possible Symptom	Start/Stop switch function failure
故障诊断码的运行条件	起停开关失效
release condition	12V Power supply
故障诊断码的判断条件	12V 电源供电
Failure criteria	Start/Stop switch circuit short to battery
故障治愈条件	起停开关对电源短路
healing condition	Repair line
系统反应（降扭或降速等）	修复线束

故障码 DTC	B12B7
故障码描述	Start/Stop 开关短路
DTC Description	Start/Stop switch circuit open
故障发生的可能原因	Start/Stop 开关短路
Possible Cause	Start/Stop switch circuit open
检查项目	起停开关开路
Check Items	BCMStart/Stop switch circuit line
可能的影响	BCM 起停开关线束
Possible Symptom	Start/Stop switch function failure
故障诊断码的运行条件	起停开关失效
release condition	12V Power supply
故障诊断码的判断条件	12V 电源供电
Failure criteria	Start/Stop switch circuit open
故障治愈条件	起停开关开路
healing condition	Repair line
系统反应（降扭或降速等）	修复线束

故障码 DTC	B12B7
故障码描述	Start/Stop 开关电路电阻超出范围
DTC Description	Start/Stop switch circuit open circuit resistance out of range
故障发生的可能原因	Start/Stop 开关电路电阻超出范围
Possible Cause	Start/Stop switch resistance out of range for 1s
检查项目	检测到启停输入开关内电阻超过 1s 不在范围内
Check Items	BCM Start/Stop switch regulator switch line
可能的影响	BCM 启停输入线束
Possible Symptom	BCM Start/Stop switch function failure
故障诊断码的运行条件	启停功能失效
release condition	12V Power supply
故障诊断码的判断条件	12V 电源供电
Failure criteria	Start/Stop switch resistance out of range for 2s
故障治愈条件	检测到启停输入开关内电阻超过 2s 不在范围内
healing condition	Repair line
系统反应（降扭或降速等）	修复线束

故障码 DTC	B12B8
故障码描述	背光灯调节开关短路到地
DTC Description	Backlight adjustment switch circuit short to ground
故障发生的可能原因	背光灯调节开关短路到地
Possible Cause	Backlight regulator switch circuit short to GND
检查项目	背光灯调节开关对地短路
Check Items	BCM Backlight regulator switch circuit line
可能的影响	背光灯调节开关线束
Possible Symptom	Backlight regulator switch function failure
故障诊断码的运行条件	背光灯调节开关失效
release condition	12V Power supply
故障诊断码的判断条件	12V 电源供电
Failure criteria	Backlight regulator switch circuit short to GND
故障治愈条件	背光灯调节开关对地短路
healing condition	Repair line
系统反应（降扭或降速等）	修复线束

故障码 **DTC**	B12B8
故障码描述	背光灯调节开关短路到电池
DTC Description	Backlight adjustment switch circuit short to battery
故障发生的可能原因	背光灯调节开关短路到电池
Possible Cause	Backlight regulator switch circuit short to battery
检查项目	背光灯调节开关对电源短路
Check Items	BCM Backlight regulator switch circuit line
可能的影响	背光灯调节开关线束
Possible Symptom	Backlight regulator switch function failure
故障诊断码的运行条件	背光灯调节开关失效
release condition	12V Power supply
故障诊断码的判断条件	12V 电源供电
Failure criteria	Backlight regulator switch circuit short to battery
故障治愈条件	背光灯调节开关对电源短路
healing condition	Repair line
系统反应（降扭或降速等）	修复线束

故障码 **DTC**	B12B8
故障码描述	背光灯调节开关短路
DTC Description	Backlight adjustment switch circuit open
故障发生的可能原因	背光灯调节开关短路
Possible Cause	Backlight regulator switch circuit open
检查项目	背光灯调节开关开路
Check Items	BCM Backlight regulator switch circuit line
可能的影响	背光灯调节开关线束
Possible Symptom	Backlight regulator switch function failure
故障诊断码的运行条件	背光灯调节开关失效
release condition	12V Power supply
故障诊断码的判断条件	12V 电源供电
Failure criteria	Backlight regulator switch circuit open
故障治愈条件	背光灯调节开关开路
healing condition	Repair line
系统反应（降扭或降速等）	修复线束

故障码 DTC	B12B8
故障码描述	背光灯调节开关电路电阻超出范围
DTC Description	Backlight adjustment switch circuit open circuit resistance out of range
故障发生的可能原因	背光灯调节开关电路电阻超出范围
Possible Cause	Backlight input switch resistance out of range for 1s
检查项目	检测到背光输入开关内电阻超过 1s 不在范围内
Check Items	BCM Backlight regulator switch line
可能的影响	BCM 背光输入线束
Possible Symptom	BCM Backlight function failure
故障诊断码的运行条件	背光功能失效
release condition	12V Power supply
故障诊断码的判断条件	12V 电源供电
Failure criteria	Backlight input switch resistance out of range for 2s
故障治愈条件	检测到背光输入开关内电阻超过 2s 不在范围内
healing condition	Repair line
系统反应（降扭或降速等）	修复线束

故障码 DTC	B1600
故障码描述	点火档位开关短路到地
DTC Description	Fire gear switch circuit short to ground
故障发生的可能原因	点火档位开关短路到地
Possible Cause	Ignition gear switch circuit short to GND
检查项目	点火档位开关对地短路
Check Items	BCM Ignition gear switch circuit line
可能的影响	点火档位开关线束
Possible Symptom	Ignition gear switch function failure
故障诊断码的运行条件	点火档位开关失效
release condition	12V Power supply
故障诊断码的判断条件	12V 电源供电
Failure criteria	Ignition gear switch circuit short to GND
故障治愈条件	点火档位开关对地短路
healing condition	Repair line
系统反应（降扭或降速等）	修复线束

故障码 DTC	B1600
故障码描述	点火档位开关短路到电池
DTC Description	Fire gear switch circuit short to battery
故障发生的可能原因	点火档位开关短路到电池
Possible Cause	Ignition gear switch circuit short to battery
检查项目	点火档位开关对电源短路
Check Items	BCM Ignition gear switch circuit line
可能的影响	点火档位开关线束
Possible Symptom	Ignition gear switch function failure
故障诊断码的运行条件	点火档位开关失效
release condition	12V Power supply
故障诊断码的判断条件	12V 电源供电
Failure criteria	Ignition gear switch circuit short to battery
故障治愈条件	点火档位开关对电源短路
healing condition	Repair line
系统反应（降扭或降速等）	修复线束

故障码 DTC	B1600
故障码描述	点火档位开关短路
DTC Description	Fire gear switch circuit open
故障发生的可能原因	点火档位开关短路
Possible Cause	Ignition gear switch circuit open
检查项目	点火档位开关开路
Check Items	BCM Ignition gear switch circuit line
可能的影响	点火档位开关线束
Possible Symptom	Ignition gear switch function failure
故障诊断码的运行条件	点火档位开关失效
release condition	12V Power supply
故障诊断码的判断条件	12V 电源供电
Failure criteria	Ignition gear switch circuit open
故障治愈条件	点火档位开关开路
healing condition	Repair line
系统反应（降扭或降速等）	修复线束

故障码 DTC	B1600
故障码描述	点火档位开关电路电阻超出范围
DTC Description	Fire gear circuit open circuit resistance out of range
故障发生的可能原因	点火档位开关电路电阻超出范围
Possible Cause	Ignition gear switchresistance out of range for 1s
检查项目	检测到点火档位开关输入内电阻超过 1s 不在范围内
Check Items	BCM Ignition gear switchregulator switch line
可能的影响	BCM 点火档位开关输入线束
Possible Symptom	BCM Ignition gear switchfunction failure
故障诊断码的运行条件	点火档位开关功能失效
release condition	12V Power supply
故障诊断码的判断条件	12V 电源供电
Failure criteria	Ignition gear switchresistance out of range for 2s
故障治愈条件	检测到点火档位开关输入内电阻超过 2s 不在范围内
healing condition	Repair line
系统反应（降扭或降速等）	修复线束

故障码 DTC	B1401
故障码描述	前雨刮归位信号命令不可达
DTC Description	Front windscree wiper return signal Commanded position not reachable
故障发生的可能原因	前雨刮归位信号命令不可达
Possible Cause	The signal does not change in set cycle * 1s
检查项目	检测到信号在 Set Cycle*1s 的时间内不改变
Check Items	Front Wiper
可能的影响	前雨刮
Possible Symptom	Front Wiper function failure
故障诊断码的运行条件	前雨刮功能失效
release condition	12V Power supply
故障诊断码的判断条件	12V 电源供电
Failure criteria	The signal does not change in set cycle * 1s
故障治愈条件	检测到信号在 Set Cycle*1s 的时间内不改变
healing condition	Repair line&wiper
系统反应（降扭或降速等）	修复线束和雨刮

故障码 DTC	B1402
故障码描述	后雨刮归位信号命令不可达
DTC Description	Rear windscree wiper return signal Commanded position not reachable
故障发生的可能原因	后雨刮归位信号命令不可达
Possible Cause	The signal does not change in set cycle * 1s
检查项目	检测到信号在 Set Cycle*1s 的时间内不改变
Check Items	Rear Wiper
可能的影响	后雨刮
Possible Symptom	Rear Wiper function failure
故障诊断码的运行条件	后雨刮功能失效
release condition	12V Power supply
故障诊断码的判断条件	12V 电源供电
Failure criteria	The signal does not change in set cycle * 1s
故障治愈条件	检测到信号在 Set Cycle*1s 的时间内不改变
healing condition	Repair line&wiper
系统反应（降扭或降速等）	修复线束和雨刮

故障码 DTC	B1204
故障码描述	危险报警开关 (黏连) 短路到地
DTC Description	Danger alarm switch short to ground
故障发生的可能原因	危险报警开关 (黏连) 短路到地
Possible Cause	Hazard switch input stuck for 1s
检查项目	危险报警灯开关粘滞超过 1s。
Check Items	BCM Hazard switch input line
可能的影响	BCM 危险报警灯开关输入线束
Possible Symptom	Hazard switch function failure
故障诊断码的运行条件	危险报警灯功能失效
release condition	12V Power supply
故障诊断码的判断条件	12V 电源供电
Failure criteria	Hazard switch input stuck for 20s
故障治愈条件	危险报警灯开关粘滞超过 20s。
healing condition	Repair line
系统反应（降扭或降速等）	修复线束

故障码 DTC	B1501
故障码描述	信号无效
DTC Description	Signal invalid
故障发生的可能原因	信号无效
Possible Cause	IMMO Antenna Failure, Antenna Open or Short Circuit
检查项目	IMMO 线圈故障
Check Items	IMMO LIN bus
可能的影响	IMMO LIN 总线
Possible Symptom	IMMO function failure
故障诊断码的运行条件	IMMO 功能失效
release condition	12V Power supply
故障诊断码的判断条件	12V 电源供电
Failure criteria	IMMO Antenna Failure, Antenna Open or Short Circuit
故障治愈条件	IMMO 线圈故障
healing condition	Change another IMMO Antenna
系统反应（降扭或降速等）	更换 IMMO 线圈

故障码 DTC	B1507
故障码描述	不可编程
DTC Description	Not Programmed
故障发生的可能原因	不可编程
Possible Cause	Key Authentication Failure
检查项目	钥匙认证失败
Check Items	key and IMMO base
可能的影响	钥匙和 IMMO base
Possible Symptom	start function failure
故障诊断码的运行条件	启动功能失效
release condition	12V Power supply
故障诊断码的判断条件	12V 电源供电
Failure criteria	Key Authentication Failure
故障治愈条件	钥匙认证失败
healing condition	Change the key chip and learn again
系统反应（降扭或降速等）	更换钥匙芯片，重新学习

故障码 DTC	B1510
故障码描述	不可编程
DTC Description	Not Programmed
故障发生的可能原因	不可编程
Possible Cause	IMMONotSaveAnyKeyInformation
检查项目	没有存储任何钥匙信息
Check Items	BCM add key or not
可能的影响	BCM 是否添加钥匙
Possible Symptom	start function failure
故障诊断码的运行条件	启动功能失效
release condition	12V Power supply
故障诊断码的判断条件	12V 电源供电
Failure criteria	IMMONotSaveAnyKeyInformation
故障治愈条件	没有存储任何钥匙信息
healing condition	Re-learn key
系统反应（降扭或降速等）	重新添加钥匙

故障码 DTC	B1509
故障码描述	不可编程
DTC Description	Not Programmed
故障发生的可能原因	不可编程
Possible Cause	NoPINWrited
检查项目	没有写入 PIN
Check Items	BCM add PIN or not
可能的影响	BCM 是否添加 PIN 码
Possible Symptom	lock BCM function failure
故障诊断码的运行条件	锁 BCM 功能失效
release condition	12V Power supply
故障诊断码的判断条件	12V 电源供电
Failure criteria	NoPINWrited
故障治愈条件	没有写入 PIN
healing condition	Re-add PIN
系统反应（降扭或降速等）	重新写入 PIN

故障码 DTC	B1508
故障码描述	不可编程
DTC Description	Not Programmed
故障发生的可能原因	不可编程
Possible Cause	NoSKGenerated
检查项目	没有生成 SK
Check Items	BCM generate SK or not
可能的影响	BCM 是否生成 SK
Possible Symptom	lock BCM function failure
故障诊断码的运行条件	锁 BCM 功能失效
release condition	12V Power supply
故障诊断码的判断条件	12V 电源供电
Failure criteria	NoSKGenerated
故障治愈条件	没有生成 SK
healing condition	Re-generate SK or change BCM
系统反应（降扭或降速等）	重新生成 SK 或者更换 BCM

故障码 DTC	B1520
故障码描述	不可配置
DTC Description	Not configured
故障发生的可能原因	不可配置
Possible Cause	IMMO unlock
检查项目	IMMO 解锁了
Check Items	BCM unlock or not
可能的影响	BCM 是否解锁了
Possible Symptom	add key function failure
故障诊断码的运行条件	加钥匙功能失效
release condition	12V Power supply
故障诊断码的判断条件	12V 电源供电
Failure criteria	IMMO unlock
故障治愈条件	IMMO 解锁了
healing condition	IMMO lock
系统反应（降扭或降速等）	IMMO 上锁

故障码 **DTC**	B1504
故障码描述	信息丢失
DTC Description	Missing message
故障发生的可能原因	信息丢失
Possible Cause	No ECM Challenge Rx:No challenge received within 2 seconds of KL.15 ON
检查项目	2S 内没有收到 EMS 的挑战
Check Items	ECM is OK or not
可能的影响	ECM 是否正常
Possible Symptom	start function failure
故障诊断码的运行条件	启动功能失效
release condition	12V Power supply
故障诊断码的判断条件	12V 电源供电
Failure criteria	No ECM Challenge Rx:No challenge received within 2 seconds of KL.15 ON
故障治愈条件	2S 内没有收到 EMS 的挑战
healing condition	Repair EMS
系统反应（降扭或降速等）	修复 EMS

故障码 **DTC**	B1514
故障码描述	信号比较失败
DTC Description	Signal compare failure
故障发生的可能原因	信号比较失败
Possible Cause	ECM Authentication Failure
检查项目	发动机认证失败
Check Items	ECM is OK or not
可能的影响	ECM 是否正常
Possible Symptom	start function failure
故障诊断码的运行条件	启动功能失效
release condition	12V Power supply
故障诊断码的判断条件	12V 电源供电
Failure criteria	ECM Authentication Failure
故障治愈条件	发动机认证失败
healing condition	Repair ECM
系统反应（降扭或降速等）	修复 ECM

ECALL 故障码及故障类型描述汇总

Description on the fault code and failure type

故障码 DTC	故障码描述	DTC Description
B1521	TBOX GPS 天线对地短路故障	TBOX GPS Antenna short to GND fault
B1521	TBOX GPS 天线对蓄电池短路	TBOX GPS Antenna short to Batter
B1521	TBOX GPS 天线开路故障	TBOX GPS Antenna open fault
B1522	GPS 故障模块	GPS Module fault
B1525	TBOX GSM 天线对地短路	TBOX GSM Antenna short to Ground
B1525	TBOX GSM 天线对蓄电池短路	TBOX GSM Antenna short to Battery
B1525	TBOX GSM 天线开路故障	TBOX GSM Antenna open fault
B1526	TBOX GSM 模块故障	TBOX GSM Module fault
B1535	扬声器输出断路	Speaker Output Open Circuit
B1535	扬声器输出对地短路	Speaker Output Short to Ground
B1535	扬声器输出对蓄电池短路	Speaker Output Short to battery
B1533	麦克风输入对地短路	Microphone Input short to Ground
B1533	麦克风输入断路	Microphone Input Open Circuit
B1533	麦克风对电池短路输入	Microphone Input short to battery
B1541	TBOX 内部 SIM 卡状态－不存在	TBOX Internal SIM Card Status - Not Present
B1542	TBOX 内部 SIM 卡无效	TBOX Internal SIM Card - Invalid
B1511	eCall 按钮	eCall Button Stuck
B1552	TBOX 蓄电池状况电池健康度已低于满足法律要求所需的水平	TBox Battery Condition. TBox battery health has fallen below level required to fulfill the legal requirement
B1551	TBOX 蓄电池状况电池盒无法充电	TBox Battery Condition. TBox battery fails to charge
B1550	TBOX 蓄电池状况 t 箱蓄电池大于可接受的电压范围 （假设大于 4.38V）充电被禁用	TBox Battery Condition. TBox battery is greater than accepted voltage range(Assuming that >4.38V), charging disabled
B1550	TBOX 蓄电池状况 t 箱电池未连接或电压过低 （假设 <3.64V）	TBox Battery Condition. TBox battery is not connected or is too low(Assuming that <3.64V)
U1562	蓄电池电压过高	Battery Voltage High
U1563	电池电压低	Battery Voltage Low
U0151	与 SDM 失去通讯	Lost Communication With SDM
U0146	与网关的通信中断 （GW）	Lost Communication With Gateway(GW)

ECALL 故障详解

Error -sorting solution

故障码 DTC	B1521
故障码描述	TBOX GPS 天线对地短路故障
DTC Description	TBOX GPS Antenna short to GND fault
故障发生的可能原因	接线错误
Possible Cause	connection error
检查项目	检查 GPS 连接处
Check Items	Check the T-BOX GPS-FAKRA Code C Connector, or exchange the GPS Ant.
可能的影响	无法定位
Possible Symptom	Unable to locate
故障诊断码的运行条件	kl15 上电
release condition	KL15ON
故障诊断码的判断条件	连续 4s 检测到短地
Failure criteria	Set when Detected GPS ANT is short to GND for 4 sec continuosly
故障治愈条件	检测到正常
healing condition	Detected GPS ANT is normal for 4 sec continuosly
系统反应（降扭或降速等）	会亮故障灯

故障码 DTC	B1521
故障码描述	TBOX GPS 天线对蓄电池短路
DTC Description	TBOX GPS Antenna short to Battery
故障发生的可能原因	接线错误
Possible Cause	connection error
检查项目	检查 GPS 连接处
Check Items	Check the T-BOX GPS-FAKRA Code C Connector, or exchange the GPS Ant.
可能的影响	无法定位
Possible Symptom	Unable to locate
故障诊断码的运行条件	kl15 上电
release condition	KL15ON
故障诊断码的判断条件	连续 4s 检测到短电
Failure criteria	Set when Detected GNSS ANT is short to 12V for 4 sec continuosly
故障治愈条件	检测到正常
healing condition	Detected GNSS ANT is normal for 4 sec continuosly
系统反应（降扭或降速等）	会亮故障灯

故障码 DTC	B1521
故障码描述	TBOX GPS 天线开路故障
DTC Description	TBOX GPS Antenna open fault
故障发生的可能原因	接线错误
Possible Cause	connection error
检查项目	检查 GPS 连接处
Check Items	Check the T-BOX GPS-FAKRA Code C Connector, or exchange the GPS Ant.
可能的影响	无法定位
Possible Symptom	Unable to locate
故障诊断码的运行条件	kl15 上电
release condition	KL15ON
故障诊断码的判断条件	连续 4s 检测到开路
Failure criteria	Set when Detected GPS ANT is open for 4 sec continuosly
故障治愈条件	检测到正常
healing condition	Detected GPS ANT is normal for 4 sec continuosly
系统反应（降扭或降速等）	会亮故障灯

故障码 DTC	B1522
故障码描述	GPS 故障模块
DTC Description	GPS Module fault
故障发生的可能原因	Tbox 损坏
Possible Cause	Tbox broen
检查项目	更换 Tbox
Check Items	Exchange the T-BOX
可能的影响	无法定位
Possible Symptom	Unable to locate
故障诊断码的运行条件	kl15 上电
release condition	KL15ON
故障诊断码的判断条件	连续 12s 未收到 GPS 数据
Failure criteria	Set when MCU didn't receive GPS data from inner GPS Module for 12 sec continuously.
故障治愈条件	检测到正常
healing condition	MCU received GPS data from inner GPS Module for 12 sec continuously.
系统反应（降扭或降速等）	会亮故障灯

故障码 DTC	B1525
故障码描述	TBOX GSM 天线对地短路
DTC Description	TBOX GSM Antenna short to Ground
故障发生的可能原因	接线错误
Possible Cause	connection error
检查项目	检测 wan 天线连接
Check Items	Check the T-BOX WAN-FAKRA Code D Connector, or exchange the WAN ANT.
可能的影响	ecall 无法使用
Possible Symptom	call funtion can't use
故障诊断码的运行条件	kl15 上电
release condition	KL15ON
故障诊断码的判断条件	连续 4s 检测到短地
Failure criteria	Set when Detected GSM ANT is short to GND for 4 sec continuosly
故障治愈条件	检测到正常
healing condition	Detected GSM ANT is normal for 4 sec continuosly
系统反应（降扭或降速等）	会亮故障灯

故障码 DTC	B1525
故障码描述	TBOX GSM 天线对蓄电池短路
DTC Description	TBOX GSM Antenna short to Battery
故障发生的可能原因	接线错误
Possible Cause	connection error
检查项目	检测 wan 天线连接
Check Items	Check the T-BOX WAN-FAKRA Code D Connector, or exchange the WAN ANT.
可能的影响	ecall 无法使用
Possible Symptom	call funtion can't use
故障诊断码的运行条件	kl15 上电
release condition	KL15ON
故障诊断码的判断条件	连续 4s 检测到短电
Failure criteria	Set when Detected GSM ANT is short to 12V for 4 sec continuosly
故障治愈条件	检测到正常
healing condition	Detected GSM ANT is normal for 4 sec continuosly
系统反应（降扭或降速等）	会亮故障灯

故障码 DTC	B1525
故障码描述	TBOX GSM 天线开路故障
DTC Description	TBOX GSM Antenna open fault
故障发生的可能原因	接线错误
Possible Cause	connection error
检查项目	检测 wan 天线连接
Check Items	Check the T-BOX WAN-FAKRA Code D Connector, or exchange the WAN ANT.
可能的影响	ecall 无法使用
Possible Symptom	call funtion can't use
故障诊断码的运行条件	kl15 上电
release condition	KL15ON
故障诊断码的判断条件	连续 4s 检测到开路
Failure criteria	Set when MCU get WAN ANT open fault signal from inner WAN Module for 12 sec continuosly
故障治愈条件	检测到正常
healing condition	Get WAN ANT normal signal from inner WAN Module for 12 sec continuosly.
系统反应（降扭或降速等）	会亮故障灯

故障码 DTC	B1526
故障码描述	TBOX GSM 模块故障
DTC Description	TBOX GSM Module fault
故障发生的可能原因	Tbox 损坏
Possible Cause	Tbox broen
检查项目	更换 Tbox
Check Items	Exchange the T-BOX
可能的影响	ecall 无法使用
Possible Symptom	call funtion can't use
故障诊断码的运行条件	kl15 上电
release condition	KL15ON
故障诊断码的判断条件	连续 12s 未收到 AT 数据
Failure criteria	Set when MCU didn't receive AT CMD response from inner WAN Module for 12 sec continuosly.
故障治愈条件	检测到正常
healing condition	MCU received AT CMD response from inner WAN Module for 12 sec continuosly.
系统反应（降扭或降速等）	会亮故障灯

故障码 DTC	B1535
故障码描述	扬声器输出断路
DTC Description	Speaker Output Open Circuit
故障发生的可能原因	接线错误
Possible Cause	connection error
检查项目	检测 SPK 接线
Check Items	Check the Speaker, or check the connect cable interface
可能的影响	ecall 无法使用
Possible Symptom	call funtion can't use
故障诊断码的运行条件	kl15 上电
release condition	KL15ON
故障诊断码的判断条件	检测到开路
Failure criteria	Set when Detected Speaker Output is open after IGN on.
故障治愈条件	检测到正常
healing condition	Detected Speaker Output is normal after IGN on.
系统反应（降扭或降速等）	会亮故障灯

故障码 DTC	B1535
故障码描述	扬声器输出对地短路
DTC Description	Speaker Output Short to Ground
故障发生的可能原因	接线错误
Possible Cause	connection error
检查项目	检测 SPK 接线
Check Items	Check the Speaker, or check the connect cable interface
可能的影响	ecall 无法使用
Possible Symptom	call funtion can't use
故障诊断码的运行条件	kl15 上电
release condition	KL15ON
故障诊断码的判断条件	检测到短地
Failure criteria	Set when Detected Speaker Output is short to GND after IGN on.
故障治愈条件	检测到正常
healing condition	Detected Speaker Output is normal after IGN on.
系统反应（降扭或降速等）	会亮故障灯

故障码 DTC	B1535
故障码描述	扬声器输出对蓄电池短路
DTC Description	Speaker Output Short to battery
故障发生的可能原因	接线错误
Possible Cause	connection error
检查项目	检测 SPK 接线
Check Items	Check the Speaker, or check the connect cable interface
可能的影响	ecall 无法使用
Possible Symptom	call funtion can't use
故障诊断码的运行条件	kl15 上电
release condition	KL15ON
故障诊断码的判断条件	检测到短电
Failure criteria	Set when Detected Speaker Output is short to VCC after IGN on.
故障治愈条件	检测到正常
healing condition	Detected Speaker Output is normal after IGN on.
系统反应（降扭或降速等）	会亮故障灯

故障码 DTC	B1533
故障码描述	麦克风输入对地短路
DTC Description	Microphone Input short to Ground
故障发生的可能原因	接线错误
Possible Cause	connection error
检查项目	检测 mic 接线
Check Items	Check the microphone, or check the connect cable interface
可能的影响	ecall 无法使用
Possible Symptom	call funtion can't use
故障诊断码的运行条件	kl15 上电
release condition	KL15ON
故障诊断码的判断条件	检测到短地
Failure criteria	Set when Detected Mic Input is short to GND after IGN on.
故障治愈条件	检测到正常
healing condition	Detected Mic Input is normal after IGN on.
系统反应（降扭或降速等）	会亮故障灯

故障码 DTC	B1533
故障码描述	麦克风输入断路
DTC Description	Microphone Input Open Circuit
故障发生的可能原因	接线错误
Possible Cause	connection error
检查项目	检测 mic 接线
Check Items	Check the microphone, or check the connect cable interface
可能的影响	ecall 无法使用
Possible Symptom	call funtion can't use
故障诊断码的运行条件	kl15 上电
release condition	KL15ON
故障诊断码的判断条件	检测到开路
Failure criteria	Set when Detected Mic Input is open after IGN on.
故障治愈条件	检测到正常
healing condition	Detected Mic Input is normal after IGN on.
系统反应（降扭或降速等）	会亮故障灯

故障码 DTC	B1533
故障码描述	麦克风对电池短路输入
DTC Description	Microphone Input short to battery
故障发生的可能原因	接线错误
Possible Cause	connection error
检查项目	检测 mic 接线
Check Items	Check the microphone, or check the connect cable interface
可能的影响	ecall 无法使用
Possible Symptom	call funtion can't use
故障诊断码的运行条件	kl15 上电
release condition	KL15ON
故障诊断码的判断条件	检测到短电
Failure criteria	Set when Detected Mic Input is short to VCC after IGN on.
故障治愈条件	检测到正常
healing condition	Detected Mic Input is normal after IGN on.
系统反应（降扭或降速等）	会亮故障灯

故障码 DTC	B1541
故障码描述	TBOX 内部 SIM 卡状态 - 不存在
DTC Description	TBOX Internal SIM Card Status - Not Present
故障发生的可能原因	Tbox 损坏
Possible Cause	Tbox broen
检查项目	更换 Tbox
Check Items	Exchange the T-BOX
可能的影响	ecall 无法使用
Possible Symptom	call funtion can't use
故障诊断码的运行条件	kl15 上电
release condition	KL15ON
故障诊断码的判断条件	检测到 SIM 异常
Failure criteria	AT+ Command indicating UIM missing or failure.
故障治愈条件	检测到正常
healing condition	Successful SIM initialisation
系统反应（降扭或降速等）	会亮故障灯

故障码 DTC	B1542
故障码描述	TBOX 内部 SIM 卡无效
DTC Description	TBOX Internal SIM Card - Invalid
故障发生的可能原因	Tbox 损坏
Possible Cause	Tbox broen
检查项目	更换 Tbox
Check Items	Exchange the T-BOX
可能的影响	ecall 无法使用
Possible Symptom	call funtion can't use
故障诊断码的运行条件	kl15 上电
release condition	KL15ON
故障诊断码的判断条件	检测到 SIMka 无效
Failure criteria	AT+ Command indicating UIM invalid.
故障治愈条件	检测到正常
healing condition	Successful SIM initialisation
系统反应（降扭或降速等）	会亮故障灯

故障码 DTC	B1511
故障码描述	eCall 按钮
DTC Description	eCall Button Stuck
故障发生的可能原因	接线错误
Possible Cause	connection error
检查项目	检测按键接线
Check Items	Exchange the T-BOX
可能的影响	ecall 无法使用
Possible Symptom	call funtion can't use
故障诊断码的运行条件	kl15 上电
release condition	KL15ON
故障诊断码的判断条件	连续 20s 检测到按键卡滞
Failure criteria	Set when Detected eCall Button pressed greater than 20 seconds
故障治愈条件	检测到正常
healing condition	Detected eCall Button not close circuit after IGN on.
系统反应（降扭或降速等）	会亮故障灯

故障码 DTC	B1552
故障码描述	TBOX 蓄电池状况电池健康度已低于满足法律要求所需的水平
DTC Description	TBox Battery Condition. TBox battery health has fallen below level required to fulfill the legal requirement
故障发生的可能原因	备用电池损坏
Possible Cause	Tbox broen
检查项目	更换 Tbox
Check Items	Exchange the T-BOX
可能的影响	影响 ecall 功能
Possible Symptom	Affect Ecall Funtion
故障诊断码的运行条件	kl15 上电
release condition	KL15ON
故障诊断码的判断条件	电池健康度降低
Failure criteria	Set when Detected TBox battery health has fallen below level required after IGN on.
故障治愈条件	检测到正常
healing condition	Detected TBox battery health is normal after IGN on.
系统反应（降扭或降速等）	会亮故障灯

故障码 DTC	B1551
故障码描述	TBOX 蓄电池状况电池盒无法充电
DTC Description	TBox Battery Condition. TBox battery fails to charge
故障发生的可能原因	备用电池损坏
Possible Cause	Tbox broen
检查项目	更换 Tbox
Check Items	Exchange the T-BOX
可能的影响	影响 ecall 功能
Possible Symptom	Affect Ecall Funtion
故障诊断码的运行条件	kl15 上电
release condition	KL15ON
故障诊断码的判断条件	电池无法充电
Failure criteria	Set when Detected TBox battery fails to charge after IGN on.
故障治愈条件	检测到正常
healing condition	Detected TBox battery fails to charge after IGN on.
系统反应（降扭或降速等）	会亮故障灯

故障码 DTC	B1550
故障码描述	TBOX 蓄电池状况 t 箱蓄电池大于可接受的电压范围（假设大于 4.38V）充电被禁用
DTC Description	TBox Battery Condition. TBox battery is greater than accepted voltage range(Assuming that >4.38V), charging disabled
故障发生的可能原因	备用电池损坏
Possible Cause	Tbox broen
检查项目	更换 Tbox
Check Items	Exchange the T-BOX
可能的影响	影响 ecall 功能
Possible Symptom	Affect Ecall Funtion
故障诊断码的运行条件	kl15 上电
release condition	KL15ON
故障诊断码的判断条件	电池电压过高
Failure criteria	Set when Detected TBox battery is greater than accepted voltage range after IGN on.
故障治愈条件	检测到正常
healing condition	Detected TBox battery is greater than accepted voltage after IGN on.
系统反应（降扭或降速等）	可能无法启动

故障码 DTC	B1550
故障码描述	TBOX 蓄电池状况 t 箱电池未连接或电压过低 （假设 <3.64V)
DTC Description	TBox Battery Condition. TBox battery is not connected or is too low(Assuming that <3.64V)
故障发生的可能原因	备用电池损坏
Possible Cause	Tbox broen
检查项目	更换 Tbox
Check Items	Exchange the T-BOX
可能的影响	影响 ecall 功能
Possible Symptom	Affect Ecall Funtion
故障诊断码的运行条件	kl15 上电
release condition	KL15ON
故障诊断码的判断条件	电池电压过低或开路
Failure criteria	Set when Detected TBox battery is not connected or is too low after IGN on.
故障治愈条件	检测到正常
healing condition	Detected TBox battery is not connected or is too low after IGN on.
系统反应（降扭或降速等)	可能无法启动

故障码 DTC	U1562
故障码描述	蓄电池电压过高
DTC Description	Battery Voltage High
故障发生的可能原因	蓄电池电压高
Possible Cause	Battery Voltage High
检查项目	检测蓄电池
Check Items	Check Connector Cable, and Measure the vehicle electric power supply, fix the power supply system problem.
可能的影响	Tbox 无法工作
Possible Symptom	Tbox doesn't work
故障诊断码的运行条件	kl15 上电
release condition	KL15ON
故障诊断码的判断条件	蓄电池电压过高
Failure criteria	Logged if the supply voltage is above 16V for 1s continuously.
故障治愈条件	检测到正常
healing condition	The supply voltage returned to normal operational level. The supply voltage is below 15.5 V for 1s continuously.
系统反应（降扭或降速等)	无

故障码 DTC	U1563
故障码描述	电池电压低
DTC Description	Battery Voltage Low
故障发生的可能原因	蓄电池电压低
Possible Cause	Battery Voltage Low
检查项目	检测蓄电池
Check Items	Check Connector Cable, and Measure the vehicle electric power supply, fix the power supply system problem.
可能的影响	Tbox 无法工作
Possible Symptom	Tbox doesn't work
故障诊断码的运行条件	kl15 上电
release condition	KL15ON
故障诊断码的判断条件	蓄电池电压过低
Failure criteria	Logged if the supply voltage is blow 9V for 1s continuously except when cranking.This DTC will not be logged in KL.50.
故障治愈条件	检测到正常
healing condition	The supply voltage returned to normal operational level. The supply voltage is above 9.5V for 1s continuously.
系统反应（降扭或降速等）	无

故障码 DTC	U0151
故障码描述	与 SDM 失去通讯
DTC Description	Lost Communication With SDM
故障发生的可能原因	接线错误
Possible Cause	can error
检查项目	检测车上 ECU
Check Items	Check SDM
可能的影响	车辆会报故障
Possible Symptom	
故障诊断码的运行条件	kl15 上电
release condition	KL15ON
故障诊断码的判断条件	can 通讯丢失
Failure criteria	lost can message
故障治愈条件	检测到正常
healing condition	Successful transmission of a CAN message
系统反应（降扭或降速等）	会亮故障灯

故障码 DTC	U0146
故障码描述	与网关的通信中断 （GW)
DTC Description	Lost Communication With Gateway(GW)
故障发生的可能原因	接线错误
Possible Cause	can error
检查项目	检测车上 ECU
Check Items	Check GW
可能的影响	车辆会报故障
Possible Symptom	
故障诊断码的运行条件	kl15 上电
release condition	KL15ON
故障诊断码的判断条件	can 通讯丢失
Failure criteria	lost can message
故障治愈条件	检测到正常
healing condition	Successful transmission of a CAN message
系统反应（降扭或降速等)	会亮故障灯

EPS 故障码及故障类型描述汇总

Description on the fault code and failure type

故障码 DTC	故障码描述	DTC Description
U1562	电池电压高	Battery Voltage High
U1563	电池电压低	Battery Voltage Low
C1624	温度传感器信号过低	Temperature sensor signal too low
C1624	温度传感器信号过高	Temperature sensor signal too high
C1630	TAS T1/T2 信号保持低电平	TAS T1/T2 signal keeps low level
C1630	TAS T1/T2 信号保持高电平	TAS T1/T2 signal keeps high level
C1630	TAS T1/T2/(T1+T2) 信号超出正常范围	TAS T1/T2/(T1+T2) signal duty out of normal range
C1630	TAS T1/T2 信号周期超出正常范围	TAS T1/T2 signal period out of normal range
C1640	电机或相关驱动电路故障	Motor or its related driver circuit failure
C1650	电机 RPS 传感器故障	Motor RPS sensor failure
U2005	电控单元 Flash 校验和错误	ECU Flash Checksum error
U2002	电控单元 RAM 错误	ECU RAM Error
U2001	电控单元 EEPROM 错误	ECU EEPROM Error
C1660	电控单元 内部电源相关电路模块故障	ECU inner power-supply related circuit module failure
C1660	电控单元 内部电气故障	ECU inner electrical failure
C1660	电控单元 计算故障	ECU calculation failure
C1680	电控单元 过热失效	ECU over temperature failure
U0073	控制模块关闭 “A” 通信总线	Control Module Communication Bus Off on "A"
U0415	收到无效的车速数据	Invalid data received from vehicle speed
U0415	收到不是真实的车速数据	Implausible data received from vehicle speed
U0121	与防抱死制动系统失去通讯	Lost communication with ABS
U0100	与纯电动控制单元失去通讯	Lost Communication With VCU
U0401	不支持	Do not support
U0155	与仪表盘失去通讯	Lost communication with IPC
C1666	ECU 没有执行转向角偏移校准和 RES 功能校准	ECU dont perform Steering Angle Offset Calibration and RES function Calibration
U0140	与车身控制模块失去通讯	Lost communication with BCM
C1631	角度传感器信号保持低电平	Angle sensor signal keeps low level
C1631	角度传感器信号保持高电平	Angle sensor signal keeps high level

故障码 DTC	故障码描述	DTC Description
C1631	角度信号无效	Angle signal invalid
C1631	TAS P/S 信号占空比超出正常范围	TAS P/S signal duty out of normal range
C1631	TAS P/S 信号周期超出正常范围	TAS P/S signal period out of normal range
C1640	电控单元初始化时电机驱动电路诊断失败	Motor drive circuit diagnostic failed when ECU is initializing
C1672	转矩监测错误	Torque Monitoring Error
C1635	转向角双重检查错误	steering angle double check error

EPS 故障详解

Error -sorting solution

故障码 DTC	U1562
故障码描述	电池电压高
DTC Description	Battery Voltage High
故障发生的可能原因	1. 整车供电线路故障 2. 蓄电池电压故障
Possible Cause	1. Vehicle power supply circuit failure. 2. Battery voltage failure.
检查项目	1、测量蓄电池电压，必要时对蓄电池进行充电 （电压标准值 11V ～ 16V）； 2、检查 EPS 供电线束，搭铁，连接器，保险丝。
Check Items	1、Measure the battery voltage and charge the battery as necessary (The standard voltage value is within 11V-16V). 2、Check the EPS power supply harness, ground, connector and fuse.
可能的影响	减少助力或者无助力
Possible Symptom	Gradual reduction in assisstance or No more assistance
故障诊断码的运行条件	ECU 正常上电
release condition	wakeup/standby
故障诊断码的判断条件	电池电压高于警告阈值。电源电压超过 16V，持续 15 秒。
Failure criteria	Battery Voltage above Warning threshold.Logged if the supply voltage is above 16V for 15s continuously.
故障治愈条件	电压标准值 11V ～ 16V
healing condition	The voltage value is within 11V-16V
系统反应（降扭或降速等）	减少助力或者无助力

故障码 DTC	U1563
故障码描述	电池电压低
DTC Description	Battery Voltage Low
故障发生的可能原因	1. 整车供电线路故障 3. 蓄电池电压故障
Possible Cause	1. Vehicle power supply circuit failure. 2. Battery voltage failure.
检查项目	1、测量蓄电池电压，必要时对蓄电池进行充电 （电压标准值 11V ～ 16V）； 2、检查 EPS 供电线束，搭铁，连接器，保险丝。
Check Items	1、Measure the battery voltage and charge the battery as necessary (The standard voltage value is within 11V-16V). 2、Check the EPS power supply harness, ground, connector and fuse.
可能的影响	减少助力或者无助力
Possible Symptom	Gradual reduction in assisstance or No more assistance
故障诊断码的运行条件	ECU 正常上电
release condition	wakeup/standby
故障诊断码的判断条件	电池电压低于警告阈值。除在启动时，电源电压低于 9V，持续 15 秒。
Failure criteria	Battery Voltage below Warning threshold.Logged if the supply voltage is below 9V for 15s continuously except when cranking.
故障治愈条件	电压标准值 11V ～ 16V
healing condition	The voltage value is within 11V-16V
系统反应（降扭或降速等）	减少助力或者无助力

故障码 DTC	C1624
故障码描述	温度传感器信号过低
DTC Description	Temperature sensor signal too low
故障发生的可能原因	温度传感器故障
Possible Cause	Temperature sensor failure
检查项目	1、熄火状态下检查 EPS 传感器线束，连接器。重新点火并起动发动机后，检查该故障； 2、若该故障重现，更换 EPS 转向总成。
Check Items	1. Check the EPS sensor harness and connector with the ignition off. Turn on the ignition again to start the engine and check the failure. 2. If the failure occurs again, replace the EPS steering assembly.
可能的影响	提供的默认助力
Possible Symptom	Default Assistance Provided
故障诊断码的运行条件	ECU 正常上电
release condition	wakeup/standby
故障诊断码的判断条件	来自 PCB 或输出级的温度传感器信号的值在预期范围之外
Failure criteria	Value of Temperature sensor signals from PCB or Output stage are outside the expected range
故障治愈条件	温度传感器信号值在预期范围内
healing condition	Value of Temperature sensor signals are within the expected range
系统反应（降扭或降速等）	EPS 过热保护，提供默认助力

故障码 DTC	C1624
故障码描述	温度传感器信号过高
DTC Description	Temperature sensor signal too high
故障发生的可能原因	温度传感器故障
Possible Cause	Temperature sensor failure
检查项目	1、熄火状态下检查 EPS 传感器线束，连接器。重新点火并起动发动机后，检查该故障； 2、若该故障重现，更换 EPS 转向总成。
Check Items	1. Check the EPS sensor harness and connector with the ignition off. Turn on the ignition again to start the engine and check the failure. 2. If the failure occurs again, replace the EPS steering assembly.
可能的影响	提供的默认助力
Possible Symptom	Default Assistance Provided
故障诊断码的运行条件	ECU 正常上电
release condition	wakeup/standby
故障诊断码的判断条件	来自 PCB 或输出级的温度传感器信号的值在预期范围之外
Failure criteria	Value of Temperature sensor signals from PCB or Output stage are outside the expected range
故障治愈条件	温度传感器信号值在预期范围内
healing condition	Value of Temperature sensor signals are within the expected range
系统反应（降扭或降速等）	EPS 过热保护，提供默认助力

故障码 DTC	C1630
故障码描述	TAS T1/T2 信号保持低电平
DTC Description	TAS T1/T2 signal keeps low level
故障发生的可能原因	扭矩传感器断路
Possible Cause	Torque Sensor Break Circuit
检查项目	1、熄火状态下检查 EPS 传感器线束，连接器。重新点火并起动发动机后，检查该故障； 2、若该故障重现，更换 EPS 转向总成。
Check Items	1. Check the EPS sensor harness and connector with the ignition off. Turn on the ignition again to start the engine and check the failure. 2. If the failure occurs again, replace the EPS steering assembly.
可能的影响	无助力
Possible Symptom	No Assistance
故障诊断码的运行条件	ECU 正常上电
release condition	wakeup/standby
故障诊断码的判断条件	扭矩传感器数据在启动时不可信
Failure criteria	Torque sensor data is not plausibility during Startup
故障治愈条件	启动过程中扭矩传感器的信号是可信的。
healing condition	Torque Sensor Signals are Plausible during startup
系统反应（降扭或降速等）	输出级关闭 - 无助力

故障码 DTC	C1630
故障码描述	TAS T1/T2 信号保持高电平
DTC Description	TAS T1/T2 signal keeps high level
故障发生的可能原因	扭矩传感器短路
Possible Cause	Torque Sensor Short Circuit
检查项目	1、熄火状态下检查 EPS 传感器线束，连接器。重新点火并起动发动机后，检查该故障； 2、若该故障重现，更换 EPS 转向总成。
Check Items	1. Check the EPS sensor harness and connector with the ignition off. Turn on the ignition again to start the engine and check the failure. 2. If the failure occurs again, replace the EPS steering assembly.
可能的影响	无助力
Possible Symptom	No Assistance
故障诊断码的运行条件	ECU 正常上电
release condition	wakeup/standby
故障诊断码的判断条件	扭矩传感器数据在启动时不可信
Failure criteria	Torque sensor data is not plausibility during Startup
故障治愈条件	启动过程中扭矩传感器的信号是可信的。
healing condition	Torque Sensor Signals are Plausible during startup
系统反应（降扭或降速等）	输出级关闭 - 无助力

故障码 DTC	C1630
故障码描述	TAS T1/T2/(T1+T2) 信号超出正常范围
DTC Description	TAS T1/T2/(T1+T2) signal duty out of normal range
故障发生的可能原因	TAS 传感器故障；受电磁干扰
Possible Cause	TAS sensor failure; electromagnetic interference
检查项目	1、熄火状态下检查 EPS 传感器线束连接。重新点火并起动发动机后，检查该故障； 2、若该故障重现，更换 EPS 转向总成。
Check Items	1. Check the EPS sensor harness and connector with the ignition off. Turn on the ignition again to start the engine and check the failure. 2. If the failure occurs again, replace the EPS steering assembly.
可能的影响	无助力
Possible Symptom	No Assistance
故障诊断码的运行条件	ECU 正常上电
release condition	wakeup/standby
故障诊断码的判断条件	TAS （T1+T2）信号超出正常范围（4096 ± 15%）
Failure criteria	TAS (T1+T2) signal duty out of normal range （4096 ± 15%）
故障治愈条件	TAS （T1+T2) 信号值在正常范围内（4096 ± 15%）
healing condition	TAS (T1 + T2) signal value is within normal range （4096 ± 15%）
系统反应（降扭或降速等)	输出级关闭 - 无助力

故障码 DTC	C1630
故障码描述	TAS T1/T2 信号周期超出正常范围
DTC Description	TAS T1/T2 signal period out of normal range
故障发生的可能原因	TAS 传感器故障；受电磁干扰
Possible Cause	TAS sensor failure; electromagnetic interference
检查项目	1、熄火状态下检查 EPS 传感器线束连接。重新点火并起动发动机后，检查该故障； 2、若该故障重现，更换 EPS 转向总成。
Check Items	1. Check the EPS sensor harness and connector with the ignition off. Turn on the ignition again to start the engine and check the failure. 2. If the failure occurs again, replace the EPS steering assembly.
可能的影响	无助力
Possible Symptom	No Assistance
故障诊断码的运行条件	ECU 正常上电
release condition	wakeup/standby
故障诊断码的判断条件	TAS T1/T2 信号周期超出正常范围（2000Hz ± 15%）
Failure criteria	TAS T1/T2 signal period out of normal range （2000Hz ± 15%）
故障治愈条件	TAS T1/T2 信号周期在正常范围（2000Hz ± 15%）
healing condition	TAS T1/T2 signal period is within normal range （2000HzZ ± 15%）
系统反应（降扭或降速等)	输出级关闭 - 无助力

故障码 DTC	C1640
故障码描述	电机或相关驱动电路故障
DTC Description	Motor or its related driver circuit failure
故障发生的可能原因	ECU 或者电机故障
Possible Cause	ECU or motor failure
检查项目	ECU 有缺陷，转向管柱必须更换
Check Items	1. ECU defective, steering must be replaced
可能的影响	无助力
Possible Symptom	No Assistance
故障诊断码的运行条件	ECU 正常上电
release condition	wakeup/standby
故障诊断码的判断条件	1、输出级驱动器 /FET 驱动器有电路故障 2、电机供给线断裂 3、电机相电流开端超出限制。
Failure criteria	1.Output Stage driver / FET drivers have circuit failure 2.Break in Motor Supply line 3. Motor Phase current offsets are outside limits.
故障治愈条件	输出级驱动器 /FET 电路和电源都很好 电机相电流在极限范围内
healing condition	Output Stage driver / FET Circuit and Supply are fine Motor Phase currents are within Limits
系统反应（降扭或降速等)	输出级关闭 - 无助力

故障码 DTC	C1650
故障码描述	电机 RPS 传感器故障
DTC Description	Motor RPS sensor failure
故障发生的可能原因	1、RPS 传感器接触不良； 2、RPS 传感器失效。
Possible Cause	1. RPS sensor has poor contact. 2. RPS sensor invalid.
检查项目	1、检查 RPS 传感器电缆，电路连接是否短路 / 开路 , 然后复位。 2、如果没有解决，更换电机。 3、如果没有解决，更换转向系统。
Check Items	1. Check the RPS sensor Cable and connections for short circuit / Open Circuits and Reset 2. If not Resolved , Replace Motor 3. If not Resolved , Replace Steering System
可能的影响	无助力
Possible Symptom	No Assistance
故障诊断码的运行条件	ECU 正常上电
release condition	wakeup/standby
故障诊断码的判断条件	1、 RPS 传感器信号是错误的 / 超出范围 2、计算转子位置是不合理的。
Failure criteria	1. RPS sensor Signal is erroneous / Out of Range 2. Calculated Rotor Position is not plausible
故障治愈条件	1、 RPS 传感器信号正确且在范围内 2、计算转子位置是合理的
healing condition	1. RPS sensor Signal is correct and within range 2. Calculated Rotor Position is plausible
系统反应（降扭或降速等)	输出级关闭 - 无助力

故障码 DTC	U2005
故障码描述	电控单元 Flash 校验和错误
DTC Description	ECU Flash Checksum error
故障发生的可能原因	ECU 软件故障
Possible Cause	ECU software failure
检查项目	1、清除错误并重新设置 ECU 2、刷新软件 3、如果问题仍然存在，请更换 ECU
Check Items	1. Clear the Error and reset the ECU 2. Reflash the Software 3. If Problem still persists, Replace ECU
可能的影响	无助力
Possible Symptom	No Assistance
故障诊断码的运行条件	ECU 正常上电
release condition	wakeup/standby
故障诊断码的判断条件	闪存测试检测到一个错误存储区域（CRC），闪存检查失败。
Failure criteria	The Flash test has detected a faulty memory area(CRC) . Flash check failed
故障治愈条件	闪存测试合格
healing condition	No errors in Flash check
系统反应（降扭或降速等）	输出级关闭 - 无助力

故障码 DTC	U2002
故障码描述	电控单元 RAM 错误
DTC Description	ECU RAM Error
故障发生的可能原因	ECU 硬件故障
Possible Cause	ECU hardware failure
检查项目	1、清除错误并重新设置 ECU 2、三次 ecu 故障后 => 更换转向管柱。
Check Items	1. Clear the Error and reset the ECU 2. After three times ecu defect => exchange steering
可能的影响	无助力
Possible Symptom	No Assistance
故障诊断码的运行条件	ECU 正常上电
release condition	wakeup/standby
故障诊断码的判断条件	随机存储器校验失败
Failure criteria	Ram Check has Failed
故障治愈条件	随机存储器校验成功
healing condition	No errors in RAM check
系统反应（降扭或降速等）	输出级关闭 - 无助力

故障码 DTC	U2001
故障码描述	电控单元 EEPROM 错误
DTC Description	ECU EEPROM Error
故障发生的可能原因	ECU 硬件故障； ECU 软件故障
Possible Cause	ECU hardware failure;ECU software failure
检查项目	1、清除错误并重新设置 ECU 2、如果没有解决刷新正确的软件版本（软件版本可能是错误的） 3、三次 ecu 故障后 => 更换转向管柱。
Check Items	1. Clear the Error and reset the ECU 2. If not solved Reflash the correct Software Version (Software Version May be wrong) 3. After three times ecu defect => exchange steering
可能的影响	无助力
Possible Symptom	No Assistance
故障诊断码的运行条件	ECU 正常上电
release condition	wakeup/standby
故障诊断码的判断条件	EEPROM 配置 / 读 / 写中的问题
Failure criteria	Problem in EEPROM configuration / Read / Write
故障治愈条件	EEPROM 配置 / 读 / 写很好
healing condition	EEPROM configuration / Read / Write is fine
系统反应（降扭或降速等)	输出级关闭 - 无助力

故障码 DTC	C1660
故障码描述	电控单元 内部电源相关电路模块故障
DTC Description	ECU inner power-supply related circuit module failure
故障发生的可能原因	ECU 硬件故障
Possible Cause	ECU hardware failure
检查项目	监控电源电压
Check Items	1. Monitoring the power supply voltage
可能的影响	无助力
Possible Symptom	No Assistance
故障诊断码的运行条件	ECU 正常上电
release condition	wakeup/standby
故障诊断码的判断条件	监测内部电压错误
Failure criteria	Errors in monitoring internal voltages
故障治愈条件	内部电压是正确的
healing condition	Internal Voltages are correct
系统反应（降扭或降速等)	输出级关闭 - 无助力

故障码 DTC	C1660
故障码描述	电控单元 内部电气故障
DTC Description	ECU inner electrical failure
故障发生的可能原因	1.ECU 硬件故障 2.ECU 软件故障
Possible Cause	1. ECU hardware failure. 2. ECU software failure.
检查项目	1、熄火状态下检查 EPS 供电电压，线束和连接器。重新点火并起动发动机后，检查该故障 ; 2、若该故障重现，更换 EPS 转向总成。
Check Items	1. Check the EPS supply voltage, harness and connector with the ignition off. Turn on the ignition again to start the engine and check the failure. 2. If the failure occurs again, replace the EPS steering assembly.
可能的影响	无助力
Possible Symptom	No Assistance
故障诊断码的运行条件	ECU 正常上电
release condition	wakeup/standby
故障诊断码的判断条件	监测内部电气错误
Failure criteria	Errors in monitoring internal electrical
故障治愈条件	内部电气设备是正确的
healing condition	Internal electricals are correct
系统反应（降扭或降速等)	输出级关闭 - 无助力

故障码 DTC	C1660
故障码描述	电控单元 计算故障
DTC Description	ECU calculation failure
故障发生的可能原因	ECU 软件故障
Possible Cause	ECU software failure
检查项目	软件更新
Check Items	1. Software-Update
可能的影响	无助力
Possible Symptom	No Assistance
故障诊断码的运行条件	ECU 正常上电
release condition	wakeup/standby
故障诊断码的判断条件	内部计算失效，核对并行计算
Failure criteria	Internal Calculation failure, Checked with parallel calculation
故障治愈条件	内部计算有效
healing condition	Internal Calculation plausible
系统反应（降扭或降速等)	输出级关闭 - 无助力

故障码 DTC	C1680
故障码描述	电控单元 过热失效
DTC Description	ECU over temperature failure
故障发生的可能原因	EPS 过热保护 （防止 EPS 被过度使用，导致不可逆的损坏）
Possible Cause	EPS thermal protection (protect EPS from excessive use, which may result in irreversible damage)
检查项目	1、检查车内及 EPS 温度是否正常； 2、车辆熄火静置至常温，重新点火并起动发动机后，检查该故障； 3、若几圈内故障就重现，更换 EPS 转向总成。
Check Items	1、Check if the interior and EPS temperature is normal. 2、Shutdown the engine and leave it to cool down to room temperature. Turn on the ignition again to start the engine and check the failure. 3、If the failure occurs again within a few cycles , replace the EPS steering assembly.
可能的影响	助力减小
Possible Symptom	Reduction in Assistance
故障诊断码的运行条件	ECU 正常上电
release condition	wakeup/standby
故障诊断码的判断条件	来自 PCB 或输出级的温度传感器信号的值在预期范围之外
Failure criteria	Value of Temperature sensor signals from PCB or Output stage are outside the expected range
故障治愈条件	温度传感器信号值在预期范围内
healing condition	Value of Temperature sensor signals are within the expected range
系统反应（降扭或降速等）	助力减小

故障码 DTC	U0073
故障码描述	控制模块关闭 “A”通信总线
DTC Description	Control Module Communication Bus Off on "A"
故障发生的可能原因	1. 整车 CAN 总线短路 2. 车辆各节点电压不稳定
Possible Cause	1. Vehicle CAN bus is short circuited. 2. The voltage of vehicle nodes is unstable.
检查项目	1、检查 CAN 通讯、并确认是否其他模块也报相似的故障通讯码？检查相应的故障节点 2、检查 EPS 通信线束
Check Items	1. Check the CAN communication and confirm if other modules also report similar trouble communication codes. Check the corresponding faulty nodes. 2. Check the EPS communication harness.
可能的影响	提供的默认助力
Possible Symptom	Default Assistance Provided
故障诊断码的运行条件	ECU 正常上电
release condition	wakeup/standby
故障诊断码的判断条件	1、 CAN-H 与 CAN-L、 CAN-H 与 Gnd、CAN-L 与 Vcc 之间的短路。 2、 ECU 发送错误计数器 >255
Failure criteria	1.Short Circuit between CAN-H and CAN-L,CAN-H and Gnd, CAN-L and Vcc. 2. ECU Transmit Error counter > 255
故障治愈条件	没有短路或 CAN 控制器不在总线关闭状态
healing condition	No Shorts or CAN Controller not in Bus Off state
系统反应（降扭或降速等）	提供的默认助力

故障码 DTC	U0415
故障码描述	收到无效的车速数据
DTC Description	Invalid data received from vehicle speed
故障发生的可能原因	车速传感器失效； CAN 节点故障
Possible Cause	Failure of Vehicle Speed Sensor ； CAN Node Fault
检查项目	1、检查信号发动机速度是否以正确的周期发送。 2、检查 EPS 与相应 ECU 之间 CAN 总线是否有连接故障。
Check Items	1. Check if signal VehicleSpeed is Transmitting in correct periodicity. 2. Check for Breakage/Problems in CAN bus connection between EPS and Corresponding ECU
可能的影响	提供的默认助力
Possible Symptom	Default Assistance Provided
故障诊断码的运行条件	ECU 正常上电
release condition	wakeup/standby
故障诊断码的判断条件	信号车速度状态 （车速有效标志）200ms 期间无效。
Failure criteria	Signal VehicleSpeedStatus(VehicleSpeed valid flag) is invalid for period 200ms.
故障治愈条件	有效信号 20ms*10=200ms
healing condition	Signal valid for 20ms*10=200ms
系统反应（降扭或降速等）	助力功能已启用，并且助力的大小取决于车辆默认速度

故障码 DTC	U0415
故障码描述	收到不是真实的车速数据
DTC Description	Implausible data received from vehicle speed
故障发生的可能原因	车速传感器失效； CAN 节点故障
Possible Cause	Failure of Vehicle Speed Sensor ； CAN Node Fault
检查项目	1、检查在正确的周期内车速的滚动计数器或校验错误是否发生。 2、检查 EPS 与相应 ECU 之间 CAN 总线连接是否有故障。
Check Items	1. Check if RollingCounter or CheckSum error occurs for vehicle speed in correct periodicity. 2. Check for Breakage/Problems in CAN bus connection between EPS and Corresponding ECU
可能的影响	提供的默认助力
Possible Symptom	Default Assistance Provided
故障诊断码的运行条件	ECU 正常上电
release condition	wakeup/standby
故障诊断码的判断条件	周期 200ms 内发生校验或滚动计数器错误。
Failure criteria	CheckSum or RollingCounter error for period 200ms.
故障治愈条件	有效信号 20ms*10=200ms
healing condition	Signal valid for 20ms*10=200ms
系统反应（降扭或降速等）	助力功能已启用，并且助力的大小取决于车辆默认速度

故障码 DTC	U0121
故障码描述	与防抱死制动系统失去通讯
DTC Description	Lost communication with ABS
故障发生的可能原因	CAN 节点 （ABS）节点丢失
Possible Cause	CAN node (ABS) node missing
检查项目	1、检查 CAN 通讯、并确认是否其他模块也报相似的故障通讯码？检查相应的故障节点。 2、检查 EPS 通信线束。
Check Items	1. Check the CAN communication and confirm if other modules also report similar trouble communication codes. Check the corresponding faulty nodes. 2. Check the EPS communication harness.
可能的影响	提供的默认助力
Possible Symptom	Default Assistance Provided
故障诊断码的运行条件	ECU 正常上电
release condition	wakeup/standby
故障诊断码的判断条件	信号车轮速度在时段 200ms 内无效。
Failure criteria	Signal WhlGndVelLDrvnV is invalid for period 200ms.
故障治愈条件	有效信号 20ms*10=200ms
healing condition	Signal valid for 20ms*10=200ms
系统反应（降扭或降速等)	助力功能已启用，并且助力的大小取决于默认车轮速度

故障码 DTC	U0100
故障码描述	与纯电动控制单元失去通讯
DTC Description	Lost Communication With VCU
故障发生的可能原因	CAN 节 （ECM）点故障
Possible Cause	CAN Node （ECM) Fault
检查项目	1、检查 ECM 节点是否以正确的周期发送消息。 2、检查 EPS 与相应 ECU 之间 CAN 总线连接是否有故障。
Check Items	1. Check if ECM node is Transmitting Message in correct periodicity. 2. Check for Breakage/Problems in CAN bus connection between EPS and Corresponding ECU
可能的影响	提供的默认助力
Possible Symptom	Default Assistance Provided
故障诊断码的运行条件	ECU 正常上电
release condition	wakeup/standby
故障诊断码的判断条件	0xC9 消息在超时周期 500ms 内未收到。
Failure criteria	0xC9 message not received for timeout period 500ms.
故障治愈条件	接收消息 20ms*100=2s
healing condition	message received for 20ms*100=2s
系统反应（降扭或降速等)	助力功能已启用，并且助力的大小取决于车辆默认速度

故障码 DTC	U0401
故障码描述	不支持
DTC Description	Do not support
故障发生的可能原因	CAN 节点 （ECM）无效信号
Possible Cause	CAN node (ECM) invalid signal
检查项目	1、检查 CAN 通讯、并确认是否其他模块也报相似的故障通讯码？检查相应的故障节点 2、检查 EPS 通信线束
Check Items	1. Check the CAN communication and confirm if other modules also report similar trouble communication codes. Check the corresponding faulty nodes. 2. Check the EPS communication harness.
可能的影响	提供的默认助力
Possible Symptom	Default Assistance Provided
故障诊断码的运行条件	ECU 正常上电
release condition	wakeup/standby
故障诊断码的判断条件	信号发动机速度状态 （发动机速度有效标志） 100ms 期间无效。
Failure criteria	Signal EnSpdSts(EnSpd valid flag) is invalid for period 100ms.
故障治愈条件	有效信号 10ms*10=100ms
healing condition	Signal valid for 10ms*10=100ms
系统反应（降扭或降速等)	助力功能已启用，并且助力的大小取决于发动机默认速度

故障码 DTC	U0155
故障码描述	与仪表盘失去通讯
DTC Description	Lost communication with IPC
故障发生的可能原因	CAN 节点 （仪表）丢失
Possible Cause	CAN Node (IPC) missing
检查项目	1、检查消息是否以正确的周期传输。 2、检查 EPS 与相应 ECU 之间的 CAN 总线连接是否发生故障。
Check Items	1. Check if message is transmitting in correct periodicity. 2. Check for Breakage/Problems in CAN bus connection between EPS and Corresponding ECU.
可能的影响	无故障灯
Possible Symptom	No Fault lamp
故障诊断码的运行条件	ECU 正常上电
release condition	wakeup/standby
故障诊断码的判断条件	与 IPC 失去通讯
Failure criteria	Lost communication with IPC
故障治愈条件	与 IPC 通讯正常
healing condition	Normal communication with IPC is
系统反应（降扭或降速等)	仪表不亮 EPS 故障灯

故障码 DTC	C1666
故障码描述	ECU 没有执行转向角偏移校准和 RES 功能校准
DTC Description	ECU dont perform Steering Angle Offset Calibration and RES function Calibration
故障发生的可能原因	转向标定错误或无效
Possible Cause	Steering calibration Incorrect or invalid
检查项目	转向系统必须要标定
Check Items	1. Steering system has to be Calibrated
可能的影响	结束停止，主动回正功能关闭， 具有默认值的 0x1E5 输出 转向标定状态设置为未标定。转向角度有效性被设置为无效。转向角设定为 0xFFFF，转向角速度设置为 0xFFF。
Possible Symptom	End Stop and Active Return Feature Turned off 0x1E5 output with default value Steering anlge calibration status is set to not calibrated. Steering angle validity is set to invalid. Steering angle is set to0xFFFF, steering angle speed is set to 0xFFF.
故障诊断码的运行条件	ECU 正常上电
release condition	wakeup/standby
故障诊断码的判断条件	标定值丢失或不正确
Failure criteria	Calibration Value Missing or Incorrect
故障治愈条件	标定值被正确存储在 EEPROM 中，并且是有效的
healing condition	Calibration Value Correctly Stored in EEPROM and is Valid
系统反应（降扭或降速等）	结束停止，主动回正功能关闭， 具有默认值的 0x1E5 输出 转向标定状态设置为未标定。转向角度有效性被设置为无效。转向角设定为 0xFFFF，转向角速度设置为 0xFFF。

故障码 DTC	U0140
故障码描述	与车身控制模块失去通讯
DTC Description	Lost communication with BCM
故障发生的可能原因	CAN 节点 （BCM）丢失
Possible Cause	CAN Node (BCM) missing
检查项目	1、检查消息 0x0F1 是否以正确的周期发送。 2、检查 EPS 与相应 ECU 之间的 CAN 总线连接是否发生故障。
Check Items	1. Check if message 0x0F1 is Transmitting in correct periodicity. 2. Check for Breakage/Problems in CAN bus connection between EPS and Corresponding ECU.
可能的影响	基于动力模式助力
Possible Symptom	Assistance is based on Power Moding Requirements
故障诊断码的运行条件	ECU 正常上电
release condition	wakeup/standby
故障诊断码的判断条件	0xF1 消息在超时周期 500ms 内未收到。
Failure criteria	0xF1 Message not received for timeout period 500ms.
故障治愈条件	当超时时，可以在 0x0F1 的 200 个连续周期内恢复。
healing condition	When the timeout can be recovered within 200 continuous period of the frame 0x0F1.
系统反应（降扭或降速等）	如果刹车踏板信号丢失 - 那么 EPS 的策略是基于动力模式要求

故障码 DTC	C1631
故障码描述	角度传感器信号保持低电平
DTC Description	Angle sensor signal keeps low level
故障发生的可能原因	角度传感器断路
Possible Cause	Angle Sensor Break Circuit
检查项目	1、熄火状态下检查 EPS 传感器线束连接。重新点火并起动发动机后，检查该故障； 2、若该故障重现，更换 EPS 转向总成。
Check Items	1. Check the EPS sensor harness and connector with the ignition off. Turn on the ignition again to start the engine and check the failure. 2. If the failure occurs again, replace the EPS steering assembly.
可能的影响	无主动回正功能
Possible Symptom	Active Return Feature Turned off
故障诊断码的运行条件	ECU 正常上电
release condition	wakeup/standby
故障诊断码的判断条件	角度传感器信号电压低于正常值
Failure criteria	Angle sensor signal voltage below normal range
故障治愈条件	角度传感器信号电压在正常范围
healing condition	Angle sensor signal voltage in normal range
系统反应（降扭或降速等）	无主动回正功能；转角信号无效

故障码 DTC	C1631
故障码描述	角度传感器信号保持高电平
DTC Description	Angle sensor signal keeps high level
故障发生的可能原因	角度传感器短路
Possible Cause	Angle Sensor Short Circuit
检查项目	1、熄火状态下检查 EPS 传感器线束连接。重新点火并起动发动机后，检查该故障； 2、若该故障重现，更换 EPS 转向总成。
Check Items	1. Check the EPS sensor harness and connector with the ignition off. Turn on the ignition again to start the engine and check the failure. 2. If the failure occurs again, replace the EPS steering assembly.
可能的影响	无主动回正功能
Possible Symptom	Active Return Feature Turned off
故障诊断码的运行条件	ECU 正常上电
release condition	wakeup/standby
故障诊断码的判断条件	角度传感器信号电压高于正常值
Failure criteria	Angle sensor signal voltage above normal range
故障治愈条件	角度传感器信号电压在正常范围
healing condition	Angle sensor signal voltage in normal range
系统反应（降扭或降速等）	无主动回正功能；转角信号无效

故障码 DTC	C1631
故障码描述	角度信号无效
DTC Description	Angle signal invalid
故障发生的可能原因	CAN 节点 （SAS）无效信号
Possible Cause	CAN node (SAS) invalid signal
检查项目	1、检查 CAN 通讯、并确认是否其他模块也报相似的故障通讯码？检查相应的故障节点 2、检查 EPS 通信线束
Check Items	1. Check the CAN communication and confirm if other modules also report similar trouble communication codes. Check the corresponding faulty nodes. 2. Check the EPS communication harness.
可能的影响	无主动回正功能
Possible Symptom	Active Return Feature Turned off
故障诊断码的运行条件	ECU 正常上电
release condition	wakeup/standby
故障诊断码的判断条件	可信度测试失败时，内部转向角无效。
Failure criteria	internal steering angle is invalid as the plausibility test has failed
故障治愈条件	内部转角信号有效
healing condition	internal steering angle is valid again
系统反应（降扭或降速等)	无主动回正功能

故障码 DTC	C1631
故障码描述	TAS P/S 信号占空比超出正常范围
DTC Description	TAS P/S signal duty out of normal range
故障发生的可能原因	TAS 传感器故障；受电磁干扰
Possible Cause	TAS sensor failure; electromagnetic interference
检查项目	1、熄火状态下检查 EPS 传感器线束连接。重新点火并起动发动机后，检查该故障 ; 2、若该故障重现，更换 EPS 转向总成。
Check Items	1. Check the EPS sensor harness and connector with the ignition off. Turn on the ignition again to start the engine and check the failure. 2. If the failure occurs again, replace the EPS steering assembly.
可能的影响	无主动回正功能
Possible Symptom	Active Return Feature Turned off
故障诊断码的运行条件	ECU 正常上电
release condition	wakeup/standby
故障诊断码的判断条件	TAS P/S 信号占空比超出 6.25% ～ 93.75% 范围
Failure criteria	TAS P/S signal duty out of Threshhold （6.25% ～ 93.75%)
故障治愈条件	TAS P/S 信号占空比在 6.25% ～ 93.75% 范围内
healing condition	TAS P/S signal duty within Valid Ranges （6.25% ～ 93.75%)
系统反应（降扭或降速等)	无主动回正功能；转角信号无效

故障码 DTC	C1631
故障码描述	TAS P/S 信号周期超出正常范围
DTC Description	TAS P/S signal period out of normal range
故障发生的可能原因	TAS 传感器故障；受电磁干扰
Possible Cause	TAS sensor failure; electromagnetic interference
检查项目	1、熄火状态下检查 EPS 传感器线束连接。重新点火并起动发动机后，检查该故障； 2、若该故障重现，更换 EPS 转向总成。
Check Items	1. Check the EPS sensor harness and connector with the ignition off. Turn on the ignition again to start the engine and check the failure. 2. If the failure occurs again, replace the EPS steering assembly.
可能的影响	无主动回正功能
Possible Symptom	Active Return Feature Turned off
故障诊断码的运行条件	ECU 正常上电
release condition	wakeup/standby
故障诊断码的判断条件	TAS P 信号周期超出 1000Hz ± 15% 范围； TAS S 信号周期超出 200Hz ± 15% 范围
Failure criteria	TAS P signal period out of normal range（1000Hz ± 15%）； TAS S signal period out of normal range （200Hz ± 15%）
故障治愈条件	TAS P 信号周期在 1000Hz ± 15% 范围内； TAS S 信号周期在 200Hz ± 15% 范围内
healing condition	TAS P signal period within normal range（1000Hz ± 15%）； TAS S signal period within normal range （200Hz ± 15%）
系统反应（降扭或降速等）	无主动回正功能；转角信号无效

故障码 DTC	C1640
故障码描述	电控单元初始化时电机驱动电路诊断失败
DTC Description	Motor drive circuit diagnostic failed when ECU is initializing
故障发生的可能原因	ECU 或者电机故障
Possible Cause	ECU or motor failure
检查项目	ECU 有缺陷，转向管柱必须更换
Check Items	1. ECU defective, steering must be replaced
可能的影响	无助力
Possible Symptom	No Assistance
故障诊断码的运行条件	ECU 正常上电
release condition	wakeup/standby
故障诊断码的判断条件	1、输出级驱动器 /FET 驱动器有电路故障 2、电机供给线断裂 3、电机相电流开端超出限制。
Failure criteria	1.Output Stage driver / FET drivers have circuit failure 2.Break in Motor Supply line 3. Motor Phase current offsets are outside limits.
故障治愈条件	输出级驱动器 /FET 电路和电源都很好 电机相电流在极限范围内
healing condition	Output Stage driver / FET Circuit and Supply are fine Motor Phase currents are within Limits
系统反应（降扭或降速等）	输出级关闭 - 无助力

故障码 DTC	C1672
故障码描述	转矩监测错误
DTC Description	Torque Monitoring Error
故障发生的可能原因	ECU 软件故障
Possible Cause	ECU software failure
检查项目	1、检查电源电压，清除错误，重置 ECU 2、如果错误仍然存在，用正确的软件刷新 ECU。
Check Items	1. Check Voltage Supply , Clear the Error and reset the ECU 2. If Error still persists , Reflash the ECU with Correct Software.
可能的影响	无助力
Possible Symptom	No Assistance
故障诊断码的运行条件	ECU 正常上电
release condition	wakeup/standby
故障诊断码的判断条件	1、交换机计算时发生溢出或下溢。 2、扭矩传感器校准数据上存储的 CRC 与实际计算的 CRC 不匹配。
Failure criteria	1. Overflow or underflow occur duing SW calculation. 2. The stored CRC over the torque sensor calibration data doesn’ t match the actual calculaterd ones.
故障治愈条件	1、交换机计算正确 2、存储的 CRC 与实际计算的 CRC 匹配
healing condition	1. SW calculated correctly. 2. The stored CRC match the actual calculated ones.
系统反应（降扭或降速等)	输出级关闭 - 无助力

故障码 DTC	C1635
故障码描述	转向角双重检查错误
DTC Description	steering angle double check error
故障发生的可能原因	ECU 软件故障
Possible Cause	ECU software failure
检查项目	1、清除错误并重新设置 ECU 2、刷新软件 3、如果问题仍然存在，请更换 ECU
Check Items	1. Clear the Error and reset the ECU 2. Reflash the Software 3. If Problem still persists, Replace ECU
可能的影响	无主动回正功能
Possible Symptom	Active Return Feature Turned off
故障诊断码的运行条件	ECU 正常上电
release condition	wakeup/standby
故障诊断码的判断条件	上电初始化，转角自检失效
Failure criteria	Initialization of power on, Steering angle self-check failure
故障治愈条件	上电初始化，转角自检成功
healing condition	Initialization of power on, Steering angle self-check success
系统反应（降扭或降速等)	无主动回正功能

FICM 故障码及故障类型描述汇总

Description on the fault code and failure type

故障码 DTC	故障码描述	DTC Description
U0037	CAN 总线关闭	Can Bus off
B1301	电路电压低于阈值	Circuit voltage below threshold
B1302	电路电压高于阈值	Circuit voltage above threshold
B0258	左前喇叭对地短路	Left Front Circuit short to ground or open
B0259	右前喇叭对地短路	Right Front Circuit short to ground or open
B025A	左后喇叭对地短路	Left Rear Circuit short to ground or open
B025B	右后喇叭对地短路	Right Rear Circuit short to ground or open
B0263	USB 接口短路	Usb Port Circuit short to ground or open
U0254	与 SAS 通讯丢失	Lost communication with SAS
U0253	与 ABS 通讯丢失	Lost communication with ABS
U0255	与 IPK 通讯丢失	Lost communication with IPK
U0100	与 VCU 通讯丢失	Lost communication with VCU
U0140	与 BCM 通讯丢失	Lost communication with BCM
U0256	与 HCM 通讯丢失	Lost communication with HCM
U0038	所有节点丢失	All node lost

FICM 故障详解

Error -sorting solution

故障码 DTC	U0037
故障码描述	CAN 总线关闭
DTC Description	Can Bus off
故障发生的可能原因	1.CAN_H 与 CAN_L 短路 2.CAN_H 或 CAN_L 对地短路 3. 外部干扰
Possible Cause	1. CAN_H and CAN_L are shorted 2. CAN_H or CAN_L is shorted to ground 3. External interference
检查项目	1. 检查总线连接是否异常 2. 检查是否有干扰
Check Items	1. Check whether the bus connection is abnormal 2. Check for interference
可能的影响	总线无法通信
Possible Symptom	Bus cannot communicate
故障诊断码的运行条件	1.85 服务允许记录 DTC 2. 电压在 9-16v 正常电压范围
release condition	1.85 service allows recording DTC 2. The voltage is in the normal voltage range of 9-16v
故障诊断码的判断条件	Busoff 故障中断
Failure criteria	Busoff failure interrupted
故障治愈条件	解除 busoff 故障后自动恢复
healing condition	Automatic recovery after busoff failure

故障码 DTC	B1301
故障码描述	电路电压低于阈值
DTC Description	Circuit voltage below threshold
故障发生的可能原因	供电电压低于 9v
Possible Cause	Power supply voltage is lower than 9v
检查项目	检测电瓶电压
Check Items	Check battery voltage
可能的影响	1. 总线无法通信 2. 系统软件无法正常运行
Possible Symptom	1. The bus cannot communicate 2. The system software cannot run normally
故障诊断码的运行条件	1.85 服务允许记录 DTC 2. 电压在 9-16v 正常电压范围
release condition	1.85 service allows recording DTC 2. The voltage is in the normal voltage range of 9-17v
故障诊断码的判断条件	车机供电电压 <9v
Failure criteria	Vehicle power supply voltage <9v
故障治愈条件	车机电压从低于 9v 恢复到 9.5v
healing condition	The vehicle voltage is restored from less than 9v to 9.5v

故障码 DTC	B1302
故障码描述	电路电压高于阈值
DTC Description	Circuit voltage above threshold
故障发生的可能原因	供电电压高于 16v
Possible Cause	The supply voltage is higher than 16v
检查项目	检测电瓶电压
Check Items	Check battery voltage
可能的影响	1. 总线无法通信 2. 系统软件无法正常运行
Possible Symptom	1. The bus cannot communicate 2. The system software cannot run normally
故障诊断码的运行条件	1.85 服务允许记录 DTC 2. 电压在 9-16v 正常电压范围
release condition	1.85 service allows recording DTC 2. The voltage is in the normal voltage range of 9-18v
故障诊断码的判断条件	车机供电电压 >16v
Failure criteria	Vehicle power supply voltage>16v
故障治愈条件	车机电压从高于 16v 恢复到 15.5v
healing condition	The vehicle voltage is restored from higher than 16v to 15.5v

故障码 DTC	B0258
故障码描述	左前喇叭对地短路
DTC Description	Left Front Circuit short to ground or open
故障发生的可能原因	1. 线路接错 2. 器件损坏
Possible Cause	1. Wrong wiring 2. Device damage
检查项目	检查连线
Check Items	Check the connection
可能的影响	喇叭无声音
Possible Symptom	
故障诊断码的运行条件	1.85 服务允许记录 DTC 2. 电压在 9-17v 正常电压范围
release condition	1.85 service allows recording DTC 2. The voltage is in the normal voltage range of 9-19v
故障诊断码的判断条件	喇叭输出线持续为低
Failure criteria	Speaker output line is continuously low
故障治愈条件	解除喇叭线对地短路故障
healing condition	Remove the short-circuit fault of the speaker wire to ground

故障码 DTC	B0259
故障码描述	右前喇叭对地短路
DTC Description	Right Front Circuit short to ground or open
故障发生的可能原因	1. 线路接错 3. 器件损坏
Possible Cause	1. Wrong wiring 3. Device damage
检查项目	检查连线
Check Items	Check the connection
可能的影响	喇叭无声音
Possible Symptom	
故障诊断码的运行条件	1.85 服务允许记录 DTC 2. 电压在 9-18v 正常电压范围
release condition	1.85 service allows recording DTC 2. The voltage is in the normal voltage range of 9-20v
故障诊断码的判断条件	喇叭输出线持续为低
Failure criteria	Speaker output line is continuously low
故障治愈条件	解除喇叭线对地短路故障
healing condition	Remove the short-circuit fault of the speaker wire to the ground

故障码 DTC	B025A
故障码描述	左后喇叭对地短路
DTC Description	Left Rear Circuit short to ground or open
故障发生的可能原因	1. 线路接错 4. 器件损坏
Possible Cause	1. Wrong wiring 4. Device damage
检查项目	检查连线
Check Items	Check the connection
可能的影响	喇叭无声音
Possible Symptom	
故障诊断码的运行条件	1.85 服务允许记录 DTC 2. 电压在 9-19v 正常电压范围
release condition	1.85 service allows recording DTC 2. The voltage is in the normal voltage range of 9-21v
故障诊断码的判断条件	喇叭输出线持续为低
Failure criteria	Speaker output line is continuously low
故障治愈条件	解除喇叭线对地短路故障
healing condition	Remove the short-circuit fault of the speaker wire to ground

故障码 DTC	B025B
故障码描述	右后喇叭对地短路
DTC Description	Right Rear Circuit short to ground or open
故障发生的可能原因	1. 线路接错 5. 器件损坏
Possible Cause	1. Wrong wiring 5. Device damage
检查项目	检查连线
Check Items	Check the connection
可能的影响	喇叭无声音
Possible Symptom	
故障诊断码的运行条件	1.85 服务允许记录 DTC 2. 电压在 9-20v 正常电压范围
release condition	1.85 service allows recording DTC 2. The voltage is in the normal voltage range of 9-22v
故障诊断码的判断条件	喇叭输出线持续为低
Failure criteria	Speaker output line is continuously low
故障治愈条件	解除喇叭线对地短路故障
healing condition	Remove the short-circuit fault of the speaker wire to ground

故障码 DTC	B0263
故障码描述	USB 接口短路
DTC Description	Usb Port Circuit short to ground or open
故障发生的可能原因	
Possible Cause	1. USB is damaged 2. The power supply is abnormal
检查项目	
Check Items	Hardware circuit
可能的影响	
Possible Symptom	
故障诊断码的运行条件	
release condition	
故障诊断码的判断条件	
Failure criteria	
故障治愈条件	
healing condition	

故障码 DTC	U0254
故障码描述	与 SAS 通讯丢失
DTC Description	Lost communication with SAS
故障发生的可能原因	1.SAS 模块故障 2.SAS 模块未加入整车网络
Possible Cause	1. SAS module failure 2. The SAS module is not added to the vehicle network
检查项目	1. 检测总线网络中是否有 SAS 相关报文 2. 如果没有，检查 SAS 故障
Check Items	1. Detect whether there are SAS related messages in the bus network 2. If not, check SAS failure
可能的影响	
Possible Symptom	
故障诊断码的运行条件	1.85 服务允许记录 DTC 2. 电压在 9-22v 正常电压范围
release condition	1.85 service allows recording DTC 2. The voltage is in the normal voltage range of 9-24v
故障诊断码的判断条件	持续 100ms 未收到 1E5 报文
Failure criteria	No 1E5 message received for 100ms
故障治愈条件	接收到 1E5 报文
healing condition	1E5 message received

故障码 DTC	U0253
故障码描述	与 ABS 通讯丢失
DTC Description	Lost communication with ABS
故障发生的可能原因	1.ABS 模块故障 2.ABS 模块未加入整车网络
Possible Cause	1. ABS module failure 2. The ABS module is not added to the vehicle network
检查项目	1. 检测总线网络中是否有 ABS 相关报文 3. 如果没有，检查 ABS 故障
Check Items	1. Detect whether there are ABS related messages in the bus network 2. If not, check ABS failure
可能的影响	
Possible Symptom	
故障诊断码的运行条件	1.85 服务允许记录 DTC 2. 电压在 9-23v 正常电压范围
release condition	1.85 service allows recording DTC 2. The voltage is in the normal voltage range of 9-25v
故障诊断码的判断条件	持续 200ms 未收到 23C 报文
Failure criteria	No 23C message received for 200ms
故障治愈条件	接收到 23C 报文
healing condition	23C message received

故障码 DTC	U0255
故障码描述	与 IPK 通讯丢失
DTC Description	Lost communication with IPK
故障发生的可能原因	1.IPK 模块故障 3.IPK 模块未加入整车网络
Possible Cause	1. IPK module failure 2. The IPK module is not added to the vehicle network
检查项目	1. 检测总线网络中是否有 IPK 相关报文 4. 如果没有，检查 IPK 故障
Check Items	1. Detect whether there are IPK related messages in the bus network 2. If not, check IPK failure
可能的影响	
Possible Symptom	
故障诊断码的运行条件	1.85 服务允许记录 DTC 2. 电压在 9-24v 正常电压范围
release condition	1.85 service allows recording DTC 2. The voltage is in the normal voltage range of 9-26v
故障诊断码的判断条件	持续 200ms 未收到 1F2 报文
Failure criteria	No 1F2 message received for 200ms
故障治愈条件	接收到 1F2 报文
healing condition	1F2 message received

故障码 DTC	U0100
故障码描述	与 VCU 通讯丢失
DTC Description	Lost communication with VCU
故障发生的可能原因	1.VCU 模块故障 4.VCU 模块未加入整车网络
Possible Cause	1. VCU module failure 2. The VCU module is not added to the vehicle network
检查项目	1. 检测总线网络中是否有 VCU 相关报文 5. 如果没有，检查 VCU 故障
Check Items	1. Detect whether there are VCU related messages in the bus network 2. If not, check for VCU failure
可能的影响	
Possible Symptom	
故障诊断码的运行条件	1.85 服务允许记录 DTC 2. 电压在 9-25v 正常电压范围
release condition	1.85 service allows recording DTC 2. The voltage is in the normal voltage range of 9-27v
故障诊断码的判断条件	持续 1s 未收到 1F5 报文
Failure criteria	1F5 message is not received for 1s
故障治愈条件	接收到 1F5 报文
healing condition	1F5 message received

故障码 DTC	U0140
故障码描述	与 BCM 通讯丢失
DTC Description	Lost communication with BCM
故障发生的可能原因	1.BCM 模块故障 5.BCM 模块未加入整车网络
Possible Cause	1. BCM module failure 2. The BCM module has not joined the vehicle network
检查项目	1. 检测总线网络中是否有 BCM 相关报文 6. 如果没有，检查 BCM 故障
Check Items	1. Detect whether there are BCM related messages in the bus network 2. If not, check BCM failure
可能的影响	
Possible Symptom	
故障诊断码的运行条件	1.85 服务允许记录 DTC 2. 电压在 9-26v 正常电压范围
release condition	1.85 service allows recording DTC 2. The voltage is in the normal voltage range of 9-28v
故障诊断码的判断条件	持续 200ms 未收到 1F1 报文
Failure criteria	No 1F1 message received for 200ms
故障治愈条件	接收到 1F2 报文
healing condition	1F2 message received

故障码 DTC	U0256
故障码描述	与 HCM 通讯丢失
DTC Description	Lost communication with HCM
故障发生的可能原因	1.HCM 模块故障 6.HCM 模块未加入整车网络
Possible Cause	1. HCM module failure 2. HCM module has not joined the vehicle network
检查项目	1. 检测总线网络中是否有 HCM 相关报文 7. 如果没有，检查 HCM 故障
Check Items	1. Detect whether there are HCM related messages in the bus network 2. If not, check HCM failure"
可能的影响	
Possible Symptom	
故障诊断码的运行条件	1.85 服务允许记录 DTC 2. 电压在 9-27v 正常电压范围
release condition	1.85 service allows recording DTC 2. The voltage is in the normal voltage range of 9-29v
故障诊断码的判断条件	持续 200ms 未收到 510 报文
Failure criteria	No 510 message received for 200ms
故障治愈条件	接收到 510 报文
healing condition	510 message received

故障码 DTC	U0038
故障码描述	所有节点丢失
DTC Description	All node lost
故障发生的可能原因	以上所有通信类故障成立
Possible Cause	All the above communication faults are established
检查项目	1. 检测以上通信类故障检测项 2. 检测总线上是否有报文存在 3. 检测娱乐主机是否在总线上
Check Items	1. Detect the above communication fault detection items 2. Detect whether there is a message on the bus 3. Detect whether the entertainment host is on the bus
可能的影响	
Possible Symptom	
故障诊断码的运行条件	1.85 服务允许记录 DTC 2. 电压在 9-28v 正常电压范围
release condition	1.85 service allows recording DTC 2. The voltage is in the normal voltage range of 9-30v
故障诊断码的判断条件	以上所有通信类故障条件成立
Failure criteria	All the above communication fault conditions are established
故障治愈条件	以上任意一种通信类故障解除
healing condition	Any of the above communication failures are resolved

HCM 故障码及故障类型描述汇总

Description on the fault code and failure type

故障码 DTC	故障码描述	DTC Description
B1602	蒸发器短路或开路	Evaporator sensor short or open
B1604	模式发动机短路或开路	Mode motor short or open
B1605	模式发动机熄火	Mode motor stall
B1606	临时发动机短路或开路	Temp motor short or open
B1607	临时发动机熄火	Temp motor stall
U3003	高电压	Voltage High
U3003	低电压	Voltage Low
B1608	压缩机错误	Compressor error
U0254	压缩机 LIN 故障	ACP LIN message no receive
U0253	未接收到 VCU 总线信息	VCU CAN message no receive
U0155	未接收到 IPK 总线信息	IPK CAN message no receive
U0315	未接收到 ABS 总线信息	ABS CAN message no receive
U0140	未接收到 BCM 总线信息	BCM CAN message no receive
U0073	总线断开	Bus Off
B1609	外部温度传感器短路或开路	Outside Temp sensor short or open
B1601	椅子加热错误	Chair heat error
U0252	FHVM LIN 信息无接收	FHVM LIN message no receive

HCM 故障详解

Error -sorting solution

故障码 DTC	B1602
故障码描述	蒸发器短路或开路
DTC Description	Evaporator sensor short or open
故障发生的可能原因	蒸发器温度传感器内部损坏或线束故障
Possible Cause	Internal damage of evaporator temperature sensor or wiring harness failure
检查项目	蒸发器温度传感器
Check Items	Evaporator temperature sensor
可能的影响	压缩机控制异常
Possible Symptom	Abnormal compressor control
故障诊断码的运行条件	反馈电压低于 0.1v,or 高于 4.9v
release condition	Feedback voltage is lower than 0.1v, or higher than 4.9v
故障治愈条件	更换传感器 / 排查线束接插件
healing condition	Replace the sensor/check the wiring harness connector

故障码 DTC	B1604
故障码描述	模式发动机短路或开路
DTC Description	Mode motor short or open
故障发生的可能原因	出风模式电机损坏或线束故障
Possible Cause	Motor damage or wiring harness failure in air outlet mode
检查项目	操作空调模式是否异常
Check Items	Whether the operating air conditioning mode is abnormal
可能的影响	空调模式调节异常
Possible Symptom	Air conditioning mode adjustment abnormal
故障诊断码的运行条件	反馈电压低于 0.1v,or 高于 4.9v
release condition	Feedback voltage is lower than 0.1v, or higher than 4.9v
故障治愈条件	更换模式电机 / 排查线束接插件
healing condition	Replace the mode motor/check the wiring harness connector

故障码 DTC	B1605
故障码描述	模式发动机熄火
DTC Description	Mode motor stall
故障发生的可能原因	出风模式电机卡滞不转
Possible Cause	Motor stuck in air outlet mode
检查项目	操作空调模式是否异常
Check Items	Whether the operating air conditioning mode is abnormal
可能的影响	空调模式调节异常
Possible Symptom	Air conditioning mode adjustment abnormal
故障诊断码的运行条件	模式反馈电压与目标值偏差大
release condition	Large deviation of mode feedback voltage from target value
故障治愈条件	更换模式电机 / 排查线束接插件
healing condition	Replace the mode motor/check the wiring harness connector

故障码 DTC	B1606
故障码描述	临时发动机短路或开路
DTC Description	Temp motor short or open
故障发生的可能原因	温度风门电机损坏或线束故障
Possible Cause	The temperature damper motor is damaged or the wiring harness is faulty
检查项目	操作 AC/PTC 按键是否异常
Check Items	Whether the operation of AC/PTC button is abnormal
可能的影响	空调温度设置异常
Possible Symptom	Air conditioner temperature setting is abnormal
故障诊断码的运行条件	反馈电压低于 0.1v,or 高于 4.9v
release condition	Feedback voltage is lower than 0.1v, or higher than 4.9v
故障治愈条件	更换温度电机 / 排查线束接插件
healing condition	Replace the temperature motor/check the wiring harness connector

故障码 DTC	B1607
故障码描述	临时发动机熄火
DTC Description	Temp motor stall
故障发生的可能原因	温度风门电机卡滞不转
Possible Cause	The temperature damper motor is stuck
检查项目	操作 AC/PTC 按键是否异常
Check Items	Whether the operation of AC/PTC button is abnormal
可能的影响	空调温度设置异常
Possible Symptom	Air conditioner temperature setting is abnormal
故障诊断码的运行条件	温度电机反馈电压与目标值偏差大
release condition	The temperature motor feedback voltage has a large deviation from the target value
故障治愈条件	更换温度电机 / 排查线束接插件
healing condition	Replace the temperature motor/check the wiring harness connector

故障码 DTC	U3003
故障码描述	高电压
DTC Description	Voltage High
故障发生的可能原因	蓄电池电压偏高
Possible Cause	Battery voltage is too high
检查项目	测量蓄电池电压
Check Items	Measure battery voltage
可能的影响	空调不能正常工作
Possible Symptom	Air conditioner is not working
故障诊断码的运行条件	电压大于 16.5v
release condition	Voltage greater than 16.5v
故障治愈条件	排查蓄电池
healing condition	Check the battery

故障码 DTC	U3003
故障码描述	低电压
DTC Description	Voltage Low
故障发生的可能原因	蓄电池电压偏低
Possible Cause	Battery voltage is low
检查项目	测量蓄电池电压
Check Items	Measure battery voltage
可能的影响	空调不能正常工作
Possible Symptom	Air conditioner is not working
故障诊断码的运行条件	电压低于 8.5v
release condition	Voltage is lower than 8.5v
故障治愈条件	排查蓄电池
healing condition	Check the battery

故障码 DTC	B1608
故障码描述	压缩机错误
DTC Description	Compressor error
故障发生的可能原因	压缩机内部报错
Possible Cause	Compressor internal error
检查项目	读取 DTC
Check Items	Read DTC
可能的影响	空调制冷异常
Possible Symptom	Air conditioning refrigeration abnormal
故障诊断码的运行条件	压缩机报错
release condition	Compressor error
故障治愈条件	更换压缩机 / 排查线束接插件
healing condition	Replace the compressor/check the wiring harness connector

故障码 DTC	U0254
故障码描述	压缩机 LIN 故障
DTC Description	ACP LIN message no receive
故障发生的可能原因	压缩机 LIN 通信故障 / 丢失
Possible Cause	Compressor LIN communication failure/ loss
检查项目	读取 DTC
Check Items	Read DTC
可能的影响	空调制冷异常
Possible Symptom	Air conditioning refrigeration abnormal
故障诊断码的运行条件	压缩机通信异常
release condition	Compressor communication abnormal
故障治愈条件	更换压缩机 / 排查线束接插件
healing condition	Replace the compressor/check the wiring harness connector

故障码 DTC	U0253
故障码描述	未接收到 VCU 总线信息
DTC Description	VCU CAN message no receive
故障发生的可能原因	整车控制器 CAN 通信故障 / 丢失
Possible Cause	CAN communication failure/loss of vehicle controller
检查项目	读取 DTC
Check Items	Read DTC
可能的影响	空调工作异常
Possible Symptom	The air conditioner works abnormally
故障诊断码的运行条件	VCU 通信异常
release condition	VCU communication is abnormal
故障治愈条件	排查 VCU/ 总线线束
healing condition	Check VCU/bus wiring harness

故障码 DTC	U0155
故障码描述	未接收到 IPK 总线信息
DTC Description	IPK CAN message no receive
故障发生的可能原因	仪表控制器 CAN 通信故障 / 丢失
Possible Cause	Instrument controller CAN communication failure/loss
检查项目	读取 DTC
Check Items	Read DTC
可能的影响	空调工作异常
Possible Symptom	The air conditioner works abnormally
故障诊断码的运行条件	PK 通信异常
release condition	IPK communication is abnormal
故障治愈条件	排查 IPK/ 总线线束
healing condition	Check IPK/bus wiring harness

故障码 DTC	U0315
故障码描述	未接收到 ABS 总线信息
DTC Description	ABS CAN message no receive
故障发生的可能原因	底盘 ABS 控制器 CAN 通信故障 / 丢失
Possible Cause	CAN communication failure/loss of chassis ABS controller
检查项目	读取 DTC
Check Items	Read DTC
可能的影响	环境温度策略异常
Possible Symptom	Abnormal ambient temperature strategy
故障诊断码的运行条件	ABS 通信异常
release condition	Abnormal ABS communication
故障治愈条件	排查 ABS/ 总线线束
healing condition	Check ABS/bus wiring harness

故障码 DTC	U0140
故障码描述	未接收到 BCM 总线信息
DTC Description	BCM CAN message no receive
故障发生的可能原因	车身控制器 CAN 通信故障 / 丢失
Possible Cause	Body controller CAN communication failure/loss
检查项目	读取 DTC
Check Items	Read DTC
可能的影响	空调工作异常
Possible Symptom	The air conditioner works abnormally
故障诊断码的运行条件	BCM 通信异常
release condition	BCM communication abnormal
故障治愈条件	排查 BCM/ 总线线束
healing condition	Check BCM/bus wiring harness

故障码 DTC	U0073
故障码描述	总线断开
DTC Description	Bus Off
故障发生的可能原因	CAN 总线断开
Possible Cause	CAN bus disconnected
检查项目	读取 DTC
Check Items	Read DTC
可能的影响	空调工作异常
Possible Symptom	The air conditioner works abnormally
故障诊断码的运行条件	整车通信异常
release condition	Abnormal vehicle communication
故障治愈条件	排查总线线束
healing condition	Check the bus harness

故障码 DTC	B1609
故障码描述	外部温度传感器短路或开路
DTC Description	Outside Temp sensor short or open
故障发生的可能原因	环境温度传感器内部损坏或线束故障
Possible Cause	Internal damage of ambient temperature sensor or wiring harness failure
检查项目	环境温度信号显示是否异常
Check Items	Whether the ambient temperature signal is abnormal
可能的影响	环境温度策略异常
Possible Symptom	Abnormal ambient temperature strategy
故障诊断码的运行条件	环境温度传感器反馈异常
release condition	Abnormal feedback from ambient temperature sensor
故障治愈条件	更换环境温度传感器 / 排查线束接插件
healing condition	Replace the ambient temperature sensor/check the wiring harness connector

故障码 DTC	B1601
故障码描述	椅子加热错误
DTC Description	Chair heat error
故障发生的可能原因	座椅加热模块内部报错
Possible Cause	Internal error of seat heating module
检查项目	座椅加热功能是否异常
Check Items	Is the seat heating function abnormal?
可能的影响	座椅加热异常
Possible Symptom	Abnormal seat heating
故障诊断码的运行条件	座椅加热模块报错
release condition	The seat heating module reports an error
故障治愈条件	更换座椅加热模块 / 排查线束接插件
healing condition	Replace the seat heating module/check the wiring harness connector

故障码 DTC	U0252
故障码描述	FHVM LIN 信息无接收
DTC Description	FHVM LIN message no receive
故障发生的可能原因	座椅加热模块 LIN 通信故障 / 丢失
Possible Cause	LIN communication failure/loss of seat heating module
检查项目	座椅加热功能是否异常
Check Items	Is the seat heating function abnormal?
可能的影响	座椅加热异常
Possible Symptom	Abnormal seat heating
故障诊断码的运行条件	座椅加热模块通信异常
release condition	Abnormal communication of seat heating module
故障治愈条件	更换座椅加热模块 / 排查线束接插件
healing condition	Replace the seat heating module/check the wiring harness connector

IPK 故障码及故障类型描述汇总

Description on the fault code and failure type

故障码 DTC	故障码描述	DTC Description
U0001	CAN 总线关闭错误 - 波特率不正确或 CAN 短路	CAN Bus Off Error - Incorrect Baud Rate Or CAN short circuit
U0121	与 ABS 模块失去通信	Lost Communication With ABS Module
U0140	与 VCU 模块失去通信	Lost Communication With VCU Module
U0102	与 SRS 模块失去通信	Lost Communication with SRS Module
U0105	与 BCM 模块失去通信	Lost Communication with BCM Module
U0108	与 FICM 模块失去通信	Lost Communication with FICM Module
U0101	与 EPS 模块失去通信	Lost Communication with EPS Module
U1562	过压（电压 >16V）	Over Voltage (VBAT > 16V)
U1563	欠压（电压 <9V）	Under voltage (VBAT < 9V)
U1200	VIN 与 BCM 不匹配	VIN Mismatch with BCM
U1201	EEPROM 数据不一致	EEPROM Data Inconsistency

IPK 故障详解

Error -sorting solution

故障码 DTC	U0001
故障码描述	CAN 总线关闭错误 - 波特率不正确或 CAN 短路
DTC Description	CAN Bus Off Error - Incorrect Baud Rate Or CAN short circuit
故障发生的可能原因	CAN 模块故障
Possible Cause	CAN module failure
检查项目	CAN 芯片
Check Items	CAN chip
可能的影响	无法通信
Possible Symptom	Unable to communicate
故障诊断码的判断条件	CAN 模块 BUSOFF
Failure criteria	AN module BUSOFF
故障治愈条件	仪表正常通信
healing condition	Instrument normal communication

故障码 DTC	U0121
故障码描述	与 ABS 模块失去通信模块故障，信号超时
DTC Description	Lost Communication With ABS Module
故障发生的可能原因	模块故障，信号超时
Possible Cause	Module failure, signal timeout
检查项目	ABS 模块， CAN 芯片
Check Items	ABS module, CAN chip
可能的影响	相关报警、显示无法正常工作
Possible Symptom	Related alarms and displays cannot work normally
故障诊断码的判断条件	信号超时
Failure criteria	Signal timeout
故障治愈条件	正常通信不超时
healing condition	Normal communication does not time out

故障码 DTC	U0140
故障码描述	与 VCU 模块失去通信
DTC Description	Lost Communication With VCU Module
故障发生的可能原因	模块故障，信号超时
Possible Cause	Module failure, signal timeout
检查项目	VCU 模块， CAN 芯片
Check Items	VCU module, CAN chip
可能的影响	相关报警、显示无法正常工作
Possible Symptom	Related alarms and displays cannot work normally
故障诊断码的判断条件	信号超时
Failure criteria	Signal timeout
故障治愈条件	正常通信不超时
healing condition	Normal communication does not time out

故障码 DTC	U0102
故障码描述	与 SRS 模块失去通信
DTC Description	Lost Communication with SRS Module
故障发生的可能原因	模块故障，信号超时
Possible Cause	Module failure, signal timeout
检查项目	SRS 模块， CAN 芯片
Check Items	SRS module, CAN chip
可能的影响	相关报警、显示无法正常工作
Possible Symptom	Related alarms and displays cannot work normally
故障诊断码的判断条件	信号超时
Failure criteria	Signal timeout
故障治愈条件	正常通信不超时
healing condition	Normal communication does not time out

故障码 DTC	U0105
故障码描述	与 BCM 模块失去通信
DTC Description	Lost Communication with BCM Module
故障发生的可能原因	模块故障，信号超时
Possible Cause	Module failure, signal timeout
检查项目	BCM 模块， CAN 芯片
Check Items	BCM module, CAN chip
可能的影响	相关报警、显示无法正常工作
Possible Symptom	Related alarms and displays cannot work normally
故障诊断码的判断条件	信号超时
Failure criteria	Signal timeout
故障治愈条件	正常通信不超时
healing condition	Normal communication does not time out

故障码 DTC	U0108
故障码描述	与 FICM 模块失去通信
DTC Description	Lost Communication with FICM Module
故障发生的可能原因	模块故障，信号超时
Possible Cause	Module failure, signal timeout
检查项目	FICM 模块， CAN 芯片
Check Items	FICM module, CAN chip
可能的影响	相关报警、显示无法正常工作
Possible Symptom	Related alarms and displays cannot work normally
故障诊断码的判断条件	信号超时
Failure criteria	Signal timeout
故障治愈条件	正常通信不超时
healing condition	Normal communication does not time out

故障码 DTC	U0101
故障码描述	与 EPS 模块失去通信
DTC Description	Lost Communication with EPS Module
故障发生的可能原因	模块故障，信号超时
Possible Cause	Module failure, signal timeout
检查项目	EPS 模块， CAN 芯片
Check Items	EPS module, CAN chip
可能的影响	相关报警、显示无法正常工作
Possible Symptom	Related alarms and displays cannot work normally
故障诊断码的判断条件	信号超时
Failure criteria	Signal timeout
故障治愈条件	正常通信不超时
healing condition	Normal communication does not time out

故障码 DTC	U1562
故障码描述	过压 (电压 >16V)
DTC Description	Over Voltage (VBAT > 16V)
故障发生的可能原因	整车电源故障
Possible Cause	Vehicle power failure
检查项目	整车电源
Check Items	Vehicle power supply
可能的影响	仪表无法正常工作
Possible Symptom	The meter does not work
故障诊断码的判断条件	电压 AD 采样大于 16V
Failure criteria	Voltage AD sampling is greater than 16V
故障治愈条件	恢复正常电压
healing condition	Restore normal voltage

故障码 DTC	U1563
故障码描述	欠压 (电压 <9V)
DTC Description	Under voltage (VBAT < 9V)
故障发生的可能原因	蓄电池馈电
Possible Cause	Battery feed
检查项目	检测蓄电池电压
Check Items	Detect battery voltage
可能的影响	仪表无法正常工作
Possible Symptom	The meter does not work
故障诊断码的判断条件	电压 AD 采样小于于 9V
Failure criteria	Voltage AD sampling is less than 9V
故障治愈条件	恢复正常电压
healing condition	Restore normal voltage

故障码 DTC	U1200
故障码描述	VIN 与 BCM 不匹配
DTC Description	VIN Mismatch with BCM
故障发生的可能原因	配置错误、软件刷写错误
Possible Cause	Configuration error, software flashing error
检查项目	软件版本、配置是否正确
Check Items	Whether the software version and configuration are correct
可能的影响	无法里程同步
Possible Symptom	Could not sync mileage
故障诊断码的判断条件	收到 VIN 不匹配
Failure criteria	VIN mismatch received
故障治愈条件	VIN 码一致
healing condition	VIN code is consistent

故障码 DTC	U1201
故障码描述	EEPROM 数据不一致
DTC Description	EEPROM Data Inconsistency
故障发生的可能原因	EEPROM 数据丢失
Possible Cause	EEPROM data loss
检查项目	EEPROM
Check Items	EEPROM
可能的影响	功能配置异常，里程数据错误
Possible Symptom	Abnormal function configuration, wrong mileage data

SRS 故障码及故障类型描述汇总

Description on the fault code and failure type

故障码 DTC	故障码描述	DTC Description
B0001	驾驶员前气囊 - 对地短路	Driver Frontal Airbag - Short to GND
B0001	驾驶员前气囊 - 对电池短路	Driver Frontal Airbag - Short to Battery
B0001	驾驶员前气囊 - 电阻值过低	Driver Frontal Airbag - Resistance too Low
B0001	驾驶员前气囊- 电阻值过高	Driver Frontal Airbag - Resistance too High
B0001	驾驶员前气囊 - 配置错误	Driver Frontal Airbag - Incompatible Configuration
B0010	前排乘客前气囊 - 对地短路	Passenger Frontal Airbag - Short to GND
B0010	前排乘客前气囊 - 对电池短路	Passenger Frontal Airbag - Short to Battery
B0010	前排乘客前气囊 - 电阻值过低	Passenger Frontal Airbag - Resistance too Low
B0010	前排乘客前气囊 - 电阻值过高	Passenger Frontal Airbag- Resistance too High
B0010	前排乘客前气囊 - 配置错误	Passenger Frontal Airbag - Incompatible Configuration
B0079	驾驶员预拉紧安全带 卷收器-对地短路	Driver Seat Belt Pretensioner Retractor-Short to GND
B0079	驾驶员预拉紧安全带 卷收器-对电池短路	Driver Seat Belt Pretensioner Retractor -Short to Battery
B0079	驾驶员预拉紧安全带 卷收器-电阻值过低	Driver Seat Belt Pretensioner Retractor - Resistance too Low
B0079	驾驶员预拉紧安全带 卷收器-电阻值过高	Driver Seat Belt Pretensioner Retractor - Resistance too High
B0079	驾驶员预拉紧安全带 卷收器 - 配置错误	Driver Seat Belt Pretensioner Retractor - Incompatible Configuration
B007A	副驾驶预拉紧安全带 卷收器-对地短路	Passenger Seat Belt Pretensioner Retractor - Short to GND
B007A	副驾驶预拉紧安全带 卷收器 -对电池短路	Passenger Seat Belt Pretensioner Retractor - Short to Battery
B007A	副驾驶拉紧安全带 卷收器-电阻值过低	Passenger Seat Belt Pretensioner Retractor - Resistance too Low
B007A	副驾驶预拉紧安全带 卷收器-电阻值过高	Passenger Seat Belt Pretensioner Retractor - Resistance too High
B007A	副驾驶预拉紧安全带 卷收器 - 配置错误	Passenger Seat Belt Pretensioner Retractor - Incompatible Configuration
B0020	左侧侧气囊-对地短路	Left Hand Side Airbag -Short to GND
B0020	左侧侧气囊-对电池短路	Left Hand Side Airbag -Short to Battery

故障码 DTC	故障码描述	DTC Description
B0020	左侧侧气囊－电阻值过低	Left Hand Side Airbag - Resistance too Low
B0020	左侧侧气囊－电阻值过高	Left Hand Side Airbag - Resistance too High
B0020	左侧侧气囊 - 配置错误	Left Hand Side Airbag - Incompatible Configuration
B0028	右侧侧气囊－对地短路	Right Hand Side Airbag -Short to GND
B0028	右侧侧气囊－对电池短路	Right Hand Side Airbag -Short to Battery
B0028	右侧侧气囊－电阻值过低	Right Hand Side Airbag - Resistance too Low
B0028	右侧侧气囊－电阻值过高	Right Hand Side Airbag - Resistance too High
B0028	右侧侧气囊 - 配置错误	Right Hand Side Airbag - Incompatible Configuration
B0021	左侧气帘－对地短路	Left Hand Curtain Airbag -Short to GND
B0021	左侧气帘－对电池短路	Left Hand Curtain Airbag -Short to Battery
B0021	左侧气帘－电阻值过低	Left Hand Curtain Airbag - Resistance too Low
B0021	左侧气帘－电阻值过高	Left Hand Curtain Airbag - Resistance too High
B0021	左侧气帘 - 配置错误	Left Hand Curtain Airbag - Incompatible Configuration
B0029	右侧气帘－对地短路	Right Hand Curtain Airbag -Short to GND
B0029	右侧气帘－对电池短路	Right Hand Curtain Airbag -Short to Battery
B0029	右侧气帘－电阻值过低	Right Hand Curtain Airbag - Resistance too Low
B0029	右侧气帘－电阻值过高	Right Hand Curtain Airbag - Resistance too High
B0029	右侧气帘 - 配置错误	Right Hand Curtain Airbag - Incompatible Configuration
B0022	二排左侧安全带预张紧－对地短路	Second Row Left Pretensinor -Short to GND
B0022	二排左侧安全带预张紧－对电池短路	Second Row Left Pretensinor -Short to Battery
B0022	二排左侧安全带预张紧 －电阻值过低	Second Row Left Pretensinor - Resistance too Low
B0022	二排左侧安全带预张紧－电阻值过高	Second Row Left Pretensinor - Resistance too High
B0022	二排左侧安全带预张紧 - 配置错误	Second Row Left Pretensinor - Incompatible Configuration
B002A	二排右侧安全带预张紧－对地短路	Second Row Right Pretensinor -Short to GND
B002A	二排右侧安全带预张紧－对电池短路	Second Row Right Pretensinor -Short to Battery
B002A	二排右侧安全带预张紧 －电阻值过低	Second Row Right Pretensinor - Resistance too Low
B002A	二排右侧安全带预张紧－电阻值过高	Second Row Right Pretensinor - Resistance too High

故障码 DTC	故障码描述	DTC Description
B002A	二排右侧安全带预张紧 - 配置错误	Second Row Right Pretensinor - Incompatible Configuration
B0073	主驾二级安全带预紧- 对地短路	Left Seatbelt Pretensioner Stage2 - Short to GND
B0073	主驾二级安全带预紧 - 对电池短路	Left Seatbelt Pretensioner Stage2 -Short to Battery
B0073	主驾二级安全带预紧 电阻值过低	Left Seatbelt Pretensioner Stage2 - Resistance too Low
B0073	主驾二级安全带预紧 - 电阻值过高	Left Seatbelt Pretensioner Stage2 - Resistance too High
B0073	主驾二级安全带预紧- 配置错误	Left Seatbelt Pretensioner Stage2 - Incompatible Configuration
B0075	副驾二级安全带预紧 - 对地短路	Right Seatbelt Pretensioner stage 2 - Short to GND
B0075	副驾二级安全带预紧 - 对电池短路	Right Seatbelt Pretensioner stage 2 - Short to Battery
B0075	副驾二级安全带预紧 - 电阻值过低	Right Seatbelt Pretensioner stage 2 - Resistance too Low
B0075	副驾二级安全带预紧 - 电阻值过高	Right Seatbelt Pretensioner stage 2 - Resistance too High
B0075	副驾二级安全带预紧 - 配置错误	Right Seatbelt Pretensioner stage 2 - Incompatible Configuration
B0090	左侧前碰传感器－内部故障	Left Front Satellite Sensor - Internal Fault
B0090	左侧前碰撞传感器－通信丢失	Left Front Satellite Sensor - Lost Communication
B0090	左侧前碰撞传感器－发送数据失效	Left Front Satellite Sensor - transmitted data invalid
B0091	左侧前碰撞传感器 - 配置错误	Left Front Satellite Sensor - Incompatible Configuration
B0090	左侧前碰撞传感器 - 参数故障	Left Front Satellite Sensor - Parameter Fault
B0091	左侧前碰撞传感器 - 对地短路	Left Front Satellite Sensor - HW line leak to GND
B0091	左侧前碰撞传感器 - 对电源短路	Left Front Satellite Sensor - HW line leak to VBAT
B0091	左侧侧碰传感器－内部故障	Left Side Satellite Sensor - Internal Fault
B0091	左侧侧碰撞传感器－通信丢失	Left Side Satellite Sensor - Lost Communication
B0091	左侧侧碰撞传感器－发送数据失效	Left Side Satellite Sensor - transmitted data invalid
B0090	左侧侧碰撞传感器 - 配置错误	Left Side Satellite Sensor - Incompatible Configuration

故障码 DTC	故障码描述	DTC Description
B0091	左侧侧碰撞传感器 - 参数故障	Left Side Satellite Sensor - Parameter Fault
B0090	左侧侧碰撞传感器 - 对地短路	Left Side Satellite Sensor - HW line leak to GND
B0090	左侧侧碰撞传感器 - 对电源短路	Left Side Satellite Sensor - HW line leak to VBAT
B0096	右侧侧碰传感器-内部故障	Right Side Satellite Sensor - Internal Fault
B0096	右侧侧碰撞传感器-通信丢失	Right Side Satellite Sensor - Lost Communication
B0096	右侧侧碰撞传感器-发送数据失效	Right Side Satellite Sensor - transmitted data invalid
B0095	右侧侧碰撞传感器 - 配置错误	Right Side Satellite Sensor - Incompatible Configuration
B0096	右侧侧碰撞传感器 - 参数故障	Right Side Satellite Sensor - Parameter Fault
B0095	右侧侧碰撞传感器 - 对地短路	Right Side Satellite Sensor - HW line leak to GND
B0095	右侧侧碰撞传感器 - 对电源短路	Right Side Satellite Sensor - HW line leak to VBAT
B00DF	副驾驶气囊禁用开关 - 对地短路	Passenger Airbag Disable Switch - Shorted to Ground
B00DF	副驾驶气囊禁用开关 - 对电池短路	Passenger Airbag Disable Switch - Shorted to Battery
B00DF	副驾驶气囊禁用开关 -开路	Passenger Airbag Disable Switch - Open
B00DF	副驾驶气囊禁用开关 - 配置错误	Passenger Airbag Disable Switch - Incompatible Configuration
B193A	硬线碰撞输出 - 对地短路或开路	Hardwired Crash Out - Shorted to Ground or Open
B193A	硬线碰撞输出 - 对电池短路	Hardwired Crash Out - Shorted to Battery
B193E	起爆数据记录满：没有可写空间	Deployment Data Record Full: No over-write-able records exist
B1932	存在正面起爆数据记录	Frontal Deployment Data Record exist
B1933	存在侧面起爆数据记录	Side Deployment Data Record exist
B1934	存在后面起爆数据记录	Rear Deployment Data Record exist
U0073	高速 CAN 总线关闭	Control Module Communication Bus Off Supplemental Restraint System Diagnostic Module
U0146	与 Gateway 通信丢失 (0x1F1)	Lost Communication With Gateway
U1562	蓄电池电压高	Battery Voltage High
U1563	蓄电池电压低	Battery Voltage Low
B1938	PAB ON 灯 - 对地短路或开路	PAB ON LAMP -Short to GND or Open

故障码 DTC	故障码描述	DTC Description
B1938	PAB ON 灯－对电源短路	PAB ON Lamp -Short to Battery
B1939	PAB OFF 灯－对地短路或开路	PAB OFF Lamp -Short to GND or Open
B1939	PAB OFF 灯－对电源短路	PAB OFF Lamp -Short to Battery
B1921	被动（辅助）约束系统诊断模块 内部故障	Supplemental Restraint System Diagnostic Module Internal Fault
B1922	点火回路串联故障	Fire loops crosslink detected
B1923	碰撞传感器串联故障	Impact sensor crosslink detected
B1924	前碰／侧碰传感器配置与标定参数不匹配	Front/Side impact sensor configuration mismatch with CAL parameter
B1925	故障信息存储空间溢出	Fault Information storage memory is full
B1926	被动（辅助）约束系统诊断模块内部电压超出范围	Supplemental Restraint System Diagnostic Module Internal Voltage Out of Range
B1927	起爆回路内部故障	Fire Loop Internal Fault

SRS 故障详解

Error -sorting solution

故障码 DTC	B0001
故障码描述	驾驶员前气囊 - 对地短路
DTC Description	Driver Frontal Airbag - Short to GND
故障发生的可能原因	驾驶员前气囊 - 对地短路
Possible Cause	Driver Frontal Airbag - Short to GND
检查项目	1、检查相关线束 2、重新连接发生器接插件 3、替换气囊
Check Items	1、 Check related wiring harness 2、 Reconnect inflator connector 3、 Replace Airbag
可能的影响	安全气囊故障灯亮，不具备点爆气囊功能
Possible Symptom	Airbag Warning Lamp ON,Module still has deployment capability.
故障诊断码的运行条件	驾驶员前气囊 - 对地短路
release condition	Driver Frontal Airbag - Short to GND
故障诊断码的判断条件	泄露电阻值 <2.5 千欧时故障被检出 , 泄露电阻值 <6.5 千欧时故障可能被检出
Failure criteria	Fault will be qualified if leakaged resistance is below 2.5kohm, fault maybe qualified if leakaged resistance is below 6.5kohm.
故障治愈条件	泄露电阻值 >2.5 千欧时故障可能消失 , 泄露电阻值 >6.5 千欧时故障消失
healing condition	Fault maybe recovered if leakaged resistance is above 2.5kohm, fault will be recovered if leakaged resistance is above 6.5kohm.

故障码 DTC	B0001
故障码描述	驾驶员前气囊 - 对电池短路
DTC Description	Driver Frontal Airbag - Short to Battery
故障发生的可能原因	驾驶员前气囊 - 对电池短路
Possible Cause	Driver Frontal Airbag - Short to Battery
检查项目	1、检查相关线束 2、重新连接发生器接插件 3、替换气囊
Check Items	1、 Check related wiring harness 2、 Reconnect inflator connector 3、 Replace Airbag
可能的影响	安全气囊故障灯亮，不具备点爆气囊功能
Possible Symptom	Airbag Warning Lamp ON,Module still has deployment capability.
故障诊断码的运行条件	驾驶员前气囊 - 对电池短路
release condition	Driver Frontal Airbag - Short to Battery
故障诊断码的判断条件	泄露电阻值 <1.8 千欧时故障被检出 , 泄露电阻值 <9.7 千欧时故障可能被检出
Failure criteria	Fault will be qualified if leakaged resistance is below 1.8kohm, fault maybe qualified if leakaged resistance is below 9.7kohm.
故障治愈条件	泄露电阻值 >1.8 千欧时故障可能消失 , 泄露电阻值 >9.7 千欧时故障消失
healing condition	Fault maybe recovered if leakaged resistance is above 1.8kohm, fault will be recovered if leakaged resistance is above 9.7kohm.

故障码 DTC	B0001
故障码描述	驾驶员前气囊 - 电阻值过低
DTC Description	Driver Frontal Airbag - Resistance too Low
故障发生的可能原因	驾驶员前气囊 - 电阻值过低
Possible Cause	Driver Frontal Airbag - Resistance too Low
检查项目	1、检查相关线束 2、重新连接发生器接插件 3、替换气囊
Check Items	1、 Check related wiring harness 2、 Reconnect inflator connector 3、 Replace Airbag
可能的影响	安全气囊故障灯亮，不具备点爆气囊功能
Possible Symptom	Airbag Warning Lamp ON,Module still has deployment capability.
故障诊断码的运行条件	驾驶员前气囊 - 电阻值过低
release condition	Driver Frontal Airbag - Resistance too Low
故障诊断码的判断条件	气囊电阻值 <1.1 欧时故障被检出 , 气囊电阻值 <1.7 欧时故障可能被检出
Failure criteria	Fault will be qualified if resistance is below 1.1ohm, fault maybe qualified if resistance is below 1.7 ohm.
故障治愈条件	气囊电阻值 >1.1 欧时故障可能消失 , 气囊电阻值 >1.7 欧时故障消失
healing condition	Fault maybe recovered if resistance is above 1.1ohm, fault will be recovered if resistance is above 1.7ohm.

故障码 DTC	B0001
故障码描述	驾驶员前气囊 - 电阻值过高
DTC Description	Driver Frontal Airbag - Resistance too High
故障发生的可能原因	驾驶员前气囊 - 电阻值过高
Possible Cause	Driver Frontal Airbag - Resistance too High
检查项目	1、检查相关线束 2、重新连接发生器接插件 3、替换气囊
Check Items	1、 Check related wiring harness 2、 Reconnect inflator connector 3、 Replace Airbag
可能的影响	安全气囊故障灯亮，不具备点爆气囊功能
Possible Symptom	Airbag Warning Lamp ON,Module still has deployment capability.
故障诊断码的运行条件	驾驶员前气囊 - 电阻值过高
release condition	Driver Frontal Airbag - Resistance too High
故障诊断码的判断条件	气囊电阻值 >5.0 欧时故障被检出 , 气囊电阻值 >3.8 欧时故障可能被检出
Failure criteria	Fault will be qualified if resistance is above5.0ohm, fault may be qualified if resistance is above 3.8ohm.
故障治愈条件	气囊电阻值 <5.0 欧时故障可能消失 , 气囊电阻值 <3.8 欧时故障消失
healing condition	Fault may be recovered if resistance is below 5.0ohm, fault will be recovered if resistance is below 3.8ohm.

故障码 DTC	B0001
故障码描述	驾驶员前气囊 - 配置错误
DTC Description	Driver Frontal Airbag - Incompatible Configuration
故障发生的可能原因	驾驶员前气囊 - 配置错误
Possible Cause	Driver Frontal Airbag - Incompatible Configuration
检查项目	1、检查相关线束 2、重新连接发生器接插件 3、确认气囊配置
Check Items	1、 Check related wiring harness 2、 Reconnect inflator connector 3、 check airbag configuration
可能的影响	安全气囊故障灯亮，不具备点爆气囊功能
Possible Symptom	Airbag Warning Lamp ON,Module still has deployment capability.
故障诊断码的运行条件	驾驶员前气囊 - 配置错误
release condition	Driver Frontal Airbag - Incompatible Configuration
故障诊断码的判断条件	a) 安装了不应被配置的气囊 b) 气囊不存在，但相应管脚存在对电源或地的泄露
Failure criteria	a) fit unexpected airbag squib b) no airbag exist,but the pin has leakaged resistance
故障治愈条件	a) 移除错误连接气囊 b) 相应管脚不存在对电源或地的泄露
healing condition	a) remove wrong airbag squib b) remove pin leakaged resistance

故障码 DTC	B0010
故障码描述	前排乘客前气囊 - 对地短路
DTC Description	Passenger Frontal Airbag - Short to GND
故障发生的可能原因	前排乘客前气囊 - 对地短路
Possible Cause	Passenger Frontal Airbag - Short to GND
检查项目	1、检查相关线束 2、重新连接发生器接插件 3、替换气囊
Check Items	1、 Check related wiring harness 2、 Reconnect inflator connector 3、 Replace Airbag
可能的影响	安全气囊故障灯亮，不具备点爆气囊功能
Possible Symptom	Airbag Warning Lamp ON,Module still has deployment capability.
故障诊断码的运行条件	前排乘客前气囊 - 对地短路
release condition	Passenger Frontal Airbag - Short to GND
故障诊断码的判断条件	泄露电阻值 <2.5 千欧时故障被检出，泄露电阻值 <6.5 千欧时故障可能被检出
Failure criteria	Fault will be qualified if leakaged resistance is below 2.5kohm, fault maybe qualified if leakaged resistance is below 6.5kohm.
故障治愈条件	泄露电阻值 >2.5 千欧时故障可能消失，泄露电阻值 >6.5 千欧时故障消失
healing condition	Fault maybe recovered if leakaged resistance is above 2.5kohm, fault will be recovered if leakaged resistance is above 6.5kohm.

故障码 DTC	B0010
故障码描述	前排乘客前气囊 - 对电池短路
DTC Description	Passenger Frontal Airbag - Short to Battery
故障发生的可能原因	前排乘客前气囊 - 对电池短路
Possible Cause	Passenger Frontal Airbag - Short to Battery
检查项目	1、检查相关线束 2、重新连接发生器接插件 3、替换气囊
Check Items	1、 Check related wiring harness 2、 Reconnect inflator connector 3、 Replace Airbag
可能的影响	安全气囊故障灯亮，不具备点爆气囊功能
Possible Symptom	Airbag Warning Lamp ON,Module still has deployment capability.
故障诊断码的运行条件	前排乘客前气囊 - 对电池短路
release condition	Passenger Frontal Airbag - Short to Battery
故障诊断码的判断条件	泄露电阻值 <1.8 千欧时故障被检出 , 泄露电阻值 <9.7 千欧时故障可能被检出
Failure criteria	Fault will be qualified if leakaged resistance is below 1.8kohm, fault maybe qualified if leakaged resistance is below 9.7kohm.
故障治愈条件	泄露电阻值 >1.8 千欧时故障可能消失 , 泄露电阻值 >9.7 千欧时故障消失
healing condition	Fault maybe recovered if leakaged resistance is above 1.8kohm, fault will be recovered if leakaged resistance is above 9.7kohm.

故障码 DTC	B0010
故障码描述	前排乘客前气囊 - 电阻值过低
DTC Description	Passenger Frontal Airbag - Resistance too Low
故障发生的可能原因	前排乘客前气囊 - 电阻值过低
Possible Cause	Passenger Frontal Airbag - Resistance too Low
检查项目	1、检查相关线束 2、重新连接发生器接插件 3、替换气囊
Check Items	1、 Check related wiring harness 2、 Reconnect inflator connector 3、 Replace Airbag
可能的影响	安全气囊故障灯亮，不具备点爆气囊功能
Possible Symptom	Airbag Warning Lamp ON,Module still has deployment capability.
故障诊断码的运行条件	前排乘客前气囊 - 电阻值过低
release condition	Passenger Frontal Airbag - Resistance too Low
故障诊断码的判断条件	气囊电阻值 <1.1 欧时故障被检出 , 气囊电阻值 <1.7 欧时故障可能被检出
Failure criteria	Fault will be qualified if resistance is below 1.1ohm, fault maybe qualified if resistance is below 1.7 ohm.
故障治愈条件	气囊电阻值 >1.1 欧时故障可能消失 , 气囊电阻值 >1.7 欧时故障消失
healing condition	Fault maybe recovered if resistance is above 1.1ohm, fault will be recovered if resistance is above 1.7ohm.

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故障码 DTC	B0010
故障码描述	前排乘客前气囊 - 电阻值过高
DTC Description	Passenger Frontal Airbag- Resistance too High
故障发生的可能原因	前排乘客前气囊 - 电阻值过高
Possible Cause	Passenger Frontal Airbag- Resistance too High
检查项目	1、检查相关线束 2、重新连接发生器接插件 3、替换气囊
Check Items	1、 Check related wiring harness 2、 Reconnect inflator connector 3、 Replace Airbag
可能的影响	安全气囊故障灯亮，不具备点爆气囊功能
Possible Symptom	Airbag Warning Lamp ON,Module still has deployment capability.
故障诊断码的运行条件	前排乘客前气囊 - 电阻值过高
release condition	Passenger Frontal Airbag- Resistance too High
故障诊断码的判断条件	气囊电阻值 >5.0 欧时故障被检出 , 气囊电阻值 >3.8 欧时故障可能被检出
Failure criteria	Fault will be qualified if resistance is above5.0ohm, fault may be qualified if resistance is above 3.8ohm.
故障治愈条件	气囊电阻值 <5.0 欧时故障可能消失 , 气囊电阻值 <3.8 欧时故障消失
healing condition	Fault may be recovered if resistance is below 5.0ohm, fault will be recovered if resistance is below 3.8ohm.

故障码 DTC	B0010
故障码描述	前排乘客前气囊 - 配置错误
DTC Description	Passenger Frontal Airbag - Incompatible Configuration
故障发生的可能原因	前排乘客前气囊 - 配置错误
Possible Cause	Passenger Frontal Airbag - Incompatible Configuration
检查项目	1、检查相关线束 2、重新连接发生器接插件 3、确认气囊配置
Check Items	1、 Check related wiring harness 2、 Reconnect inflator connector 3、 check airbag configuration
可能的影响	安全气囊故障灯亮，不具备点爆气囊功能
Possible Symptom	Airbag Warning Lamp ON,Module still has deployment capability.
故障诊断码的运行条件	前排乘客前气囊 - 配置错误
release condition	Passenger Frontal Airbag - Incompatible Configuration
故障诊断码的判断条件	a) 安装了不应被配置的气囊 b) 气囊不存在，但相应管脚存在对电源或地的泄露
Failure criteria	a) fit unexpected airbag squib b) no airbag exist,but the pin has leakaged resistance
故障治愈条件	a) 移除错误连接气囊 b) 相应管脚不存在对电源或地的泄露
healing condition	a) remove wrong airbag squib b) remove pin leakaged resistance

故障码 DTC	B0079
故障码描述	驾驶员预拉紧安全带 卷收器 - 对地短路
DTC Description	Driver Seat Belt Pretensioner Retractor-Short to GND
故障发生的可能原因	驾驶员预拉紧安全带 卷收器 - 对地短路
Possible Cause	Driver Seat Belt Pretensioner Retractor-Short to GND
检查项目	1、检查相关线束 2、重新连接发生器接插件 3、替换预拉紧安全带
Check Items	1、 Check related wiring harness 2、 Reconnect inflator connector 3、 Replace Seat Belt Pretensioner
可能的影响	安全气囊故障灯亮，不具备点爆气囊功能
Possible Symptom	Airbag Warning Lamp ON,Module still has deployment capability.
故障诊断码的运行条件	驾驶员预拉紧安全带 卷收器 - 对地短路
release condition	Driver Seat Belt Pretensioner Retractor-Short to GND
故障诊断码的判断条件	泄露电阻值 <2.5 千欧时故障被检出 , 泄露电阻值 <6.5 千欧时故障可能被检出
Failure criteria	Fault will be qualified if leakaged resistance is below 2.5kohm, fault maybe qualified if leakaged resistance is below 6.5kohm.
故障治愈条件	泄露电阻值 >2.5 千欧时故障可能消失 , 泄露电阻值 >6.5 千欧时故障消失
healing condition	Fault maybe recovered if leakaged resistance is above 2.5kohm, fault will be recovered if leakaged resistance is above 6.5kohm.

故障码 DTC	B0079
故障码描述	驾驶员预拉紧安全带 卷收器 - 对电池短路
DTC Description	Driver Seat Belt Pretensioner Retractor - Short to Battery
故障发生的可能原因	驾驶员预拉紧安全带 卷收器 - 对电池短路
Possible Cause	Driver Seat Belt Pretensioner Retractor - Short to Battery
检查项目	1、检查相关线束 2、重新连接发生器接插件 3、替换预拉紧安全带
Check Items	1、 Check related wiring harness 2、 Reconnect inflator connector 3、 Replace Seat Belt Pretensioner
可能的影响	安全气囊故障灯亮，不具备点爆气囊功能
Possible Symptom	Airbag Warning Lamp ON,Module still has deployment capability.
故障诊断码的运行条件	驾驶员预拉紧安全带 卷收器 - 对电池短路
release condition	Driver Seat Belt Pretensioner Retractor - Short to Battery
故障诊断码的判断条件	泄露电阻值 <1.8 千欧时故障被检出 , 泄露电阻值 <9.7 千欧时故障可能被检出
Failure criteria	Fault will be qualified if leakaged resistance is below 1.8kohm, fault maybe qualified if leakaged resistance is below 9.7kohm.
故障治愈条件	泄露电阻值 >1.8 千欧时故障可能消失 , 泄露电阻值 >9.7 千欧时故障消失
healing condition	Fault maybe recovered if leakaged resistance is above 1.8kohm, fault will be recovered if leakaged resistance is above 9.7kohm.

故障码 DTC	B0079
故障码描述	驾驶员预拉紧安全带 卷收器 - 电阻值过低
DTC Description	Driver Seat Belt Pretensioner Retractor - Resistance too Low
故障发生的可能原因	驾驶员预拉紧安全带 卷收器 - 电阻值过低
Possible Cause	Driver Seat Belt Pretensioner Retractor - Resistance too Low
检查项目	1、检查相关线束 2、重新连接发生器接插件 3、替换预拉紧安全带
Check Items	1、 Check related wiring harness 2、 Reconnect inflator connector 3、 Replace Seat Belt Pretensioner
可能的影响	安全气囊故障灯亮，不具备点爆气囊功能
Possible Symptom	Airbag Warning Lamp ON,Module still has deployment capability.
故障诊断码的运行条件	驾驶员预拉紧安全带 卷收器 - 电阻值过低
release condition	Driver Seat Belt Pretensioner Retractor - Resistance too Low
故障诊断码的判断条件	气囊电阻值 <1.1 欧时故障被检出 , 气囊电阻值 <1.7 欧时故障可能被检出
Failure criteria	Fault will be qualified if resistance is below 1.1ohm, fault maybe qualified if resistance is below 1.7 ohm.
故障治愈条件	气囊电阻值 >1.1 欧时故障可能消失 , 气囊电阻值 >1.7 欧时故障消失
healing condition	Fault maybe recovered if resistance is above 1.1ohm, fault will be recovered if resistance is above 1.7ohm.

故障码 DTC	B0079
故障码描述	驾驶员预拉紧安全带 卷收器 - 电阻值过高
DTC Description	Driver Seat Belt Pretensioner Retractor - Resistance too High
故障发生的可能原因	驾驶员预拉紧安全带 卷收器 - 电阻值过高
Possible Cause	Driver Seat Belt Pretensioner Retractor - Resistance too High
检查项目	1、检查相关线束 2、重新连接发生器接插件 3、替换预拉紧安全带
Check Items	1、 Check related wiring harness 2、 Reconnect inflator connector 3、 Replace Seat Belt Pretensioner
可能的影响	安全气囊故障灯亮，不具备点爆气囊功能
Possible Symptom	Airbag Warning Lamp ON,Module still has deployment capability.
故障诊断码的运行条件	驾驶员预拉紧安全带 卷收器 - 电阻值过高
release condition	Driver Seat Belt Pretensioner Retractor - Resistance too High
故障诊断码的判断条件	气囊电阻值 >5.0 欧时故障被检出 , 气囊电阻值 >3.8 欧时故障可能被检出
Failure criteria	Fault will be qualified if resistance is above5.0ohm, fault may be qualified if resistance is above 3.8ohm.
故障治愈条件	气囊电阻值 <5.0 欧时故障可能消失 , 气囊电阻值 <3.8 欧时故障消失
healing condition	Fault may be recovered if resistance is below 5.0ohm, fault will be recovered if resistance is below 3.8ohm.

故障码 DTC	B0079
故障码描述	驾驶员预拉紧安全带 卷收器 - 配置错误
DTC Description	Driver Seat Belt Pretensioner Retractor - Incompatible Configuration
故障发生的可能原因	驾驶员预拉紧安全带 卷收器 - 配置错误
Possible Cause	Driver Seat Belt Pretensioner Retractor - Incompatible Configuration
检查项目	1、检查相关线束 2、重新连接发生器接插件 3、检查 PT 的配置
Check Items	1、 Check related wiring harness 2、 Reconnect inflator connector 3、 Check PT configuration
可能的影响	安全气囊故障灯亮，不具备点爆气囊功能
Possible Symptom	Airbag Warning Lamp ON,Module still has deployment capability.
故障诊断码的运行条件	驾驶员预拉紧安全带 卷收器 - 配置错误
release condition	Driver Seat Belt Pretensioner Retractor - Incompatible Configuration
故障诊断码的判断条件	a) 安装了不应被配置的气囊 b) 气囊不存在，但相应管脚存在对电源或地的泄露
Failure criteria	a) fit unexpected airbag squib b) no airbag exist,but the pin has leakaged resistance
故障治愈条件	a) 移除错误连接气囊 b) 相应管脚不存在对电源或地的泄露
healing condition	a) remove wrong airbag squib b) remove pin leakaged resistance

故障码 DTC	B007A
故障码描述	副驾驶预拉紧安全带 卷收器 - 对地短路
DTC Description	Passenger Seat Belt Pretensioner Retractor -Short to GND
故障发生的可能原因	副驾驶预拉紧安全带 卷收器 - 对地短路
Possible Cause	Passenger Seat Belt Pretensioner Retractor -Short to GND
检查项目	1、检查相关线束 2、重新连接发生器接插件 3、替换预拉紧安全带
Check Items	1、 Check related wiring harness 2、 Reconnect inflator connector 3、 Replace Seat Belt Pretensioner
可能的影响	安全气囊故障灯亮，不具备点爆气囊功能
Possible Symptom	Airbag Warning Lamp ON,Module still has deployment capability.
故障诊断码的运行条件	副驾驶预拉紧安全带 卷收器 - 对地短路
release condition	Passenger Seat Belt Pretensioner Retractor -Short to GND
故障诊断码的判断条件	泄露电阻值 <2.5 千欧时故障被检出，泄露电阻值 <6.5 千欧时故障可能被检出
Failure criteria	Fault will be qualified if leakaged resistance is below 2.5kohm, fault maybe qualified if leakaged resistance is below 6.5kohm.
故障治愈条件	泄露电阻值 >2.5 千欧时故障可能消失，泄露电阻值 >6.5 千欧时故障消失
healing condition	Fault maybe recovered if leakaged resistance is above 2.5kohm, fault will be recovered if leakaged resistance is above 6.5kohm.

故障码 DTC	B007A
故障码描述	副驾驶预拉紧安全带 卷收器 - 对电池短路
DTC Description	Passenger Seat Belt Pretensioner Retractor -Short to Battery
故障发生的可能原因	副驾驶预拉紧安全带 卷收器 - 对电池短路
Possible Cause	Passenger Seat Belt Pretensioner Retractor -Short to Battery
检查项目	1、检查相关线束 2、重新连接发生器接插件 3、替换预拉紧安全带
Check Items	1、 Check related wiring harness 2、 Reconnect inflator connector 3、 Replace Seat Belt Pretensioner
可能的影响	安全气囊故障灯亮，不具备点爆气囊功能
Possible Symptom	Airbag Warning Lamp ON,Module still has deployment capability.
故障诊断码的运行条件	副驾驶预拉紧安全带 卷收器 - 对电池短路
release condition	Passenger Seat Belt Pretensioner Retractor -Short to Battery
故障诊断码的判断条件	泄露电阻值 <1.8 千欧时故障被检出 , 泄露电阻值 <9.7 千欧时故障可能被检出
Failure criteria	Fault will be qualified if leakaged resistance is below 1.8kohm, fault maybe qualified if leakaged resistance is below 9.7kohm.
故障治愈条件	泄露电阻值 >1.8 千欧时故障可能消失 , 泄露电阻值 >9.7 千欧时故障消失
healing condition	Fault maybe recovered if leakaged resistance is above 1.8kohm, fault will be recovered if leakaged resistance is above 9.7kohm.

故障码 DTC	B007A
故障码描述	副驾驶拉紧安全带 卷收器 - 电阻值过低
DTC Description	Passenger Seat Belt Pretensioner Retractor -Resistance too Low
故障发生的可能原因	副驾驶拉紧安全带 卷收器 - 电阻值过低
Possible Cause	Passenger Seat Belt Pretensioner Retractor -Resistance too Low
检查项目	1、检查相关线束 2、重新连接发生器接插件 3、替换预拉紧安全带
Check Items	1、 Check related wiring harness 2、 Reconnect inflator connector 3、 Replace Seat Belt Pretensioner
可能的影响	安全气囊故障灯亮，不具备点爆气囊功能
Possible Symptom	Airbag Warning Lamp ON,Module still has deployment capability.
故障诊断码的运行条件	副驾驶拉紧安全带 卷收器 - 电阻值过低
release condition	Passenger Seat Belt Pretensioner Retractor -Resistance too Low
故障诊断码的判断条件	气囊电阻值 <1.1 欧时故障被检出 , 气囊电阻值 <1.7 欧时故障可能被检出
Failure criteria	Fault will be qualified if resistance is below 1.1ohm, fault maybe qualified if resistance is below 1.7 ohm.
故障治愈条件	气囊电阻值 >1.1 欧时故障可能消失 , 气囊电阻值 >1.7 欧时故障消失
healing condition	Fault maybe recovered if resistance is above 1.1ohm, fault will be recovered if resistance is above 1.7ohm.

故障码 DTC	B007A
故障码描述	副驾驶预拉紧安全带 卷收器 - 电阻值过高
DTC Description	Passenger Seat Belt Pretensioner Retractor -Resistance too High
故障发生的可能原因	副驾驶预拉紧安全带 卷收器 - 电阻值过高
Possible Cause	Passenger Seat Belt Pretensioner Retractor -Resistance too High
检查项目	1、检查相关线束 2、重新连接发生器接插件 3、替换预拉紧安全带
Check Items	1、 Check related wiring harness 2、 Reconnect inflator connector 3、 Replace Seat Belt Pretensioner
可能的影响	安全气囊故障灯亮，不具备点爆气囊功能
Possible Symptom	Airbag Warning Lamp ON,Module still has deployment capability.
故障诊断码的运行条件	副驾驶预拉紧安全带 卷收器 - 电阻值过高
release condition	Passenger Seat Belt Pretensioner Retractor -Resistance too High
故障诊断码的判断条件	气囊电阻值 >5.0 欧时故障被检出 , 气囊电阻值 >3.8 欧时故障可能被检出
Failure criteria	Fault will be qualified if resistance is above5.0ohm, fault may be qualified if resistance is above 3.8ohm.
故障治愈条件	气囊电阻值 <5.0 欧时故障可能消失 , 气囊电阻值 <3.8 欧时故障消失
healing condition	Fault may be recovered if resistance is below 5.0ohm, fault will be recovered if resistance is below 3.8ohm.

故障码 DTC	B007A
故障码描述	副驾驶预拉紧安全带 卷收器 - 配置错误
DTC Description	Passenger Seat Belt Pretensioner Retractor - Incompatible Configuration
故障发生的可能原因	副驾驶预拉紧安全带 卷收器 - 配置错误
Possible Cause	Passenger Seat Belt Pretensioner Retractor - Incompatible Configuration
检查项目	1、检查相关线束 2、重新连接发生器接插件 3、检查 PT 的配置
Check Items	1、 Check related wiring harness 2、 Reconnect inflator connector 3、 Check PT configuration
可能的影响	安全气囊故障灯亮，不具备点爆气囊功能
Possible Symptom	Airbag Warning Lamp ON,Module still has deployment capability.
故障诊断码的运行条件	副驾驶预拉紧安全带 卷收器 - 配置错误
release condition	Passenger Seat Belt Pretensioner Retractor - Incompatible Configuration
故障诊断码的判断条件	a) 安装了不应被配置的气囊 b) 气囊不存在，但相应管脚存在对电源或地的泄露
Failure criteria	a) fit unexpected airbag squib b) no airbag exist,but the pin has leakaged resistance
故障治愈条件	a) 移除错误连接气囊 b) 相应管脚不存在对电源或地的泄露
healing condition	a) remove wrong airbag squib b) remove pin leakaged resistance

故障码 DTC	B0020
故障码描述	左侧侧气囊 - 对地短路
DTC Description	Left Hand Side Airbag -Short to GND
故障发生的可能原因	左侧侧气囊 - 对地短路
Possible Cause	Left Hand Side Airbag -Short to GND
检查项目	1、检查相关线束 2、重新连接发生器接插件 3、替换气囊
Check Items	1、 Check related wiring harness 2、 Reconnect inflator connector 3、 Replace Airbag
可能的影响	安全气囊故障灯亮，不具备点爆气囊功能
Possible Symptom	Airbag Warning Lamp ON,Module still has deployment capability.
故障诊断码的运行条件	左侧侧气囊 - 对地短路
release condition	Left Hand Side Airbag -Short to GND
故障诊断码的判断条件	泄露电阻值 <2.5 千欧时故障被检出 , 泄露电阻值 <6.5 千欧时故障可能被检出
Failure criteria	Fault will be qualified if leakaged resistance is below 2.5kohm, fault maybe qualified if leakaged resistance is below 6.5kohm.
故障治愈条件	泄露电阻值 >2.5 千欧时故障可能消失 , 泄露电阻值 >6.5 千欧时故障消失
healing condition	Fault maybe recovered if leakaged resistance is above 2.5kohm, fault will be recovered if leakaged resistance is above 6.5kohm.

故障码 DTC	B0020
故障码描述	左侧侧气囊 - 对电池短路
DTC Description	Left Hand Side Airbag -Short to Battery
故障发生的可能原因	左侧侧气囊 - 对电池短路
Possible Cause	Left Hand Side Airbag -Short to Battery
检查项目	1、检查相关线束 2、重新连接发生器接插件 3、替换气囊
Check Items	1、 Check related wiring harness 2、 Reconnect inflator connector 3、 Replace Airbag
可能的影响	安全气囊故障灯亮，不具备点爆气囊功能
Possible Symptom	Airbag Warning Lamp ON,Module still has deployment capability.
故障诊断码的运行条件	左侧侧气囊 - 对电池短路
release condition	Left Hand Side Airbag -Short to Battery
故障诊断码的判断条件	泄露电阻值 <1.8 千欧时故障被检出 , 泄露电阻值 <9.7 千欧时故障可能被检出
Failure criteria	Fault will be qualified if leakaged resistance is below 1.8kohm, fault maybe qualified if leakaged resistance is below 9.7kohm.
故障治愈条件	泄露电阻值 >1.8 千欧时故障可能消失 , 泄露电阻值 >9.7 千欧时故障消失
healing condition	Fault maybe recovered if leakaged resistance is above 1.8kohm, fault will be recovered if leakaged resistance is above 9.7kohm.

故障码 DTC	B0020
故障码描述	左侧侧气囊 - 电阻值过低
DTC Description	Left Hand Side Airbag - Resistance too Low
故障发生的可能原因	左侧侧气囊 - 电阻值过低
Possible Cause	Left Hand Side Airbag - Resistance too Low
检查项目	1、检查相关线束 2、重新连接发生器接插件 3、替换气囊
Check Items	1、 Check related wiring harness 2、 Reconnect inflator connector 3、 Replace Airbag
可能的影响	安全气囊故障灯亮，不具备点爆气囊功能
Possible Symptom	Airbag Warning Lamp ON,Module still has deployment capability.
故障诊断码的运行条件	左侧侧气囊 - 电阻值过低
release condition	Left Hand Side Airbag - Resistance too Low
故障诊断码的判断条件	气囊电阻值 <1.1 欧时故障被检出 , 气囊电阻值 <1.7 欧时故障可能被检出
Failure criteria	Fault will be qualified if resistance is below 1.1ohm, fault maybe qualified if resistance is below 1.7 ohm.
故障治愈条件	气囊电阻值 >1.1 欧时故障可能消失 , 气囊电阻值 >1.7 欧时故障消失
healing condition	Fault maybe recovered if resistance is above 1.1ohm, fault will be recovered if resistance is above 1.7ohm.

故障码 DTC	B0020
故障码描述	左侧侧气囊 - 电阻值过高
DTC Description	Left Hand Side Airbag - Resistance too High
故障发生的可能原因	左侧侧气囊 - 电阻值过高
Possible Cause	Left Hand Side Airbag - Resistance too High
检查项目	1、检查相关线束 2、重新连接发生器接插件 3、替换气囊
Check Items	1、 Check related wiring harness 2、 Reconnect inflator connector 3、 Replace Airbag
可能的影响	安全气囊故障灯亮，不具备点爆气囊功能
Possible Symptom	Airbag Warning Lamp ON,Module still has deployment capability.
故障诊断码的运行条件	左侧侧气囊 - 电阻值过高
release condition	Left Hand Side Airbag - Resistance too High
故障诊断码的判断条件	气囊电阻值 >5.0 欧时故障被检出 , 气囊电阻值 >3.8 欧时故障可能被检出
Failure criteria	Fault will be qualified if resistance is above5.0ohm, fault may be qualified if resistance is above 3.8ohm.
故障治愈条件	气囊电阻值 <5.0 欧时故障可能消失 , 气囊电阻值 <3.8 欧时故障消失
healing condition	Fault may be recovered if resistance is below 5.0ohm, fault will be recovered if resistance is below 3.8ohm.

故障码 DTC	B0020
故障码描述	左侧侧气囊 - 配置错误
DTC Description	Left Hand Side Airbag - Incompatible Configuration
故障发生的可能原因	左侧侧气囊 - 配置错误
Possible Cause	Left Hand Side Airbag - Incompatible Configuration
检查项目	1、检查相关线束 2、重新连接发生器接插件 3、检查 SAB 的配置
Check Items	1、 Check related wiring harness 2、 Reconnect inflator connector 3、 Check SAB configuration
可能的影响	安全气囊故障灯亮，不具备点爆气囊功能
Possible Symptom	Airbag Warning Lamp ON,Module still has deployment capability.
故障诊断码的运行条件	左侧侧气囊 - 配置错误
release condition	Left Hand Side Airbag - Incompatible Configuration
故障诊断码的判断条件	a) 安装了不应被配置的气囊 b) 气囊不存在，但相应管脚存在对电源或地的泄露
Failure criteria	a) fit unexpected airbag squib b) no airbag exist,but the pin has leakaged resistance
故障治愈条件	a) 移除错误连接气囊 b) 相应管脚不存在对电源或地的泄露
healing condition	a) remove wrong airbag squib b) remove pin leakaged resistance

故障码 DTC	B0028
故障码描述	右侧侧气囊 - 对地短路
DTC Description	Right Hand Side Airbag -Short to GND
故障发生的可能原因	右侧侧气囊 - 对地短路
Possible Cause	Right Hand Side Airbag -Short to GND
检查项目	1、检查相关线束 2、重新连接发生器接插件 3、替换气囊
Check Items	1、 Check related wiring harness 2、 Reconnect inflator connector 3、 Replace Airbag
可能的影响	安全气囊故障灯亮，不具备点爆气囊功能
Possible Symptom	Airbag Warning Lamp ON,Module still has deployment capability.
故障诊断码的运行条件	右侧侧气囊 - 对地短路
release condition	Right Hand Side Airbag -Short to GND
故障诊断码的判断条件	泄露电阻值 <2.5 千欧时故障被检出，泄露电阻值 <6.5 千欧时故障可能被检出
Failure criteria	Fault will be qualified if leakaged resistance is below 2.5kohm, fault maybe qualified if leakaged resistance is below 6.5kohm.
故障治愈条件	泄露电阻值 >2.5 千欧时故障可能消失，泄露电阻值 >6.5 千欧时故障消失
healing condition	Fault maybe recovered if leakaged resistance is above 2.5kohm, fault will be recovered if leakaged resistance is above 6.5kohm.

故障码 DTC	B0028
故障码描述	右侧侧气囊 - 对电池短路
DTC Description	Right Hand Side Airbag -Short to Battery
故障发生的可能原因	右侧侧气囊 - 对电池短路
Possible Cause	Right Hand Side Airbag -Short to Battery
检查项目	1、检查相关线束 2、重新连接发生器接插件 3、替换气囊
Check Items	1、 Check related wiring harness 2、 Reconnect inflator connector 3、 Replace Airbag
可能的影响	安全气囊故障灯亮，不具备点爆气囊功能
Possible Symptom	Airbag Warning Lamp ON,Module still has deployment capability.
故障诊断码的运行条件	右侧侧气囊 - 对电池短路
release condition	Right Hand Side Airbag -Short to Battery
故障诊断码的判断条件	泄露电阻值 <1.8 千欧时故障被检出 , 泄露电阻值 <9.7 千欧时故障可能被检出
Failure criteria	Fault will be qualified if leakaged resistance is below 1.8kohm, fault maybe qualified if leakaged resistance is below 9.7kohm.
故障治愈条件	泄露电阻值 >1.8 千欧时故障可能消失 , 泄露电阻值 >9.7 千欧时故障消失
healing condition	Fault maybe recovered if leakaged resistance is above 1.8kohm, fault will be recovered if leakaged resistance is above 9.7kohm.

故障码 DTC	B0028
故障码描述	右侧侧气囊 - 电阻值过低
DTC Description	Right Hand Side Airbag - Resistance too Low
故障发生的可能原因	右侧侧气囊 - 电阻值过低
Possible Cause	Right Hand Side Airbag - Resistance too Low
检查项目	1、检查相关线束 2、重新连接发生器接插件 3、替换气囊
Check Items	1、 Check related wiring harness 2、 Reconnect inflator connector 3、 Replace Airbag
可能的影响	安全气囊故障灯亮，不具备点爆气囊功能
Possible Symptom	Airbag Warning Lamp ON,Module still has deployment capability.
故障诊断码的运行条件	右侧侧气囊 - 电阻值过低
release condition	Right Hand Side Airbag - Resistance too Low
故障诊断码的判断条件	气囊电阻值 <1.1 欧时故障被检出 , 气囊电阻值 <1.7 欧时故障可能被检出
Failure criteria	Fault will be qualified if resistance is below 1.1ohm, fault maybe qualified if resistance is below 1.7 ohm.
故障治愈条件	气囊电阻值 >1.1 欧时故障可能消失 , 气囊电阻值 >1.7 欧时故障消失
healing condition	Fault maybe recovered if resistance is above 1.1ohm, fault will be recovered if resistance is above 1.7ohm.

故障码 DTC	B0028
故障码描述	右侧侧气囊 - 电阻值过高
DTC Description	Right Hand Side Airbag - Resistance too High
故障发生的可能原因	右侧侧气囊 - 电阻值过高
Possible Cause	Right Hand Side Airbag - Resistance too High
检查项目	1、检查相关线束 2、重新连接发生器接插件 3、替换气囊
Check Items	1、 Check related wiring harness 2、 Reconnect inflator connector 3、 Replace Airbag
可能的影响	安全气囊故障灯亮，不具备点爆气囊功能
Possible Symptom	Airbag Warning Lamp ON,Module still has deployment capability.
故障诊断码的运行条件	右侧侧气囊 - 电阻值过高
release condition	Right Hand Side Airbag - Resistance too High
故障诊断码的判断条件	气囊电阻值 >5.0 欧时故障被检出 , 气囊电阻值 >3.8 欧时故障可能被检出
Failure criteria	Fault will be qualified if resistance is above5.0ohm, fault may be qualified if resistance is above 3.8ohm.
故障治愈条件	气囊电阻值 <5.0 欧时故障可能消失 , 气囊电阻值 <3.8 欧时故障消失
healing condition	Fault may be recovered if resistance is below 5.0ohm, fault will be recovered if resistance is below 3.8ohm.

故障码 DTC	B0028
故障码描述	右侧侧气囊 - 配置错误
DTC Description	Right Hand Side Airbag - Incompatible Configuration
故障发生的可能原因	右侧侧气囊 - 配置错误
Possible Cause	Right Hand Side Airbag - Incompatible Configuration
检查项目	1、检查相关线束 2、重新连接发生器接插件 3、检查 SAB 的配置
Check Items	1、 Check related wiring harness 2、 Reconnect inflator connector 3、 Check SAB configuration
可能的影响	安全气囊故障灯亮，不具备点爆气囊功能
Possible Symptom	Airbag Warning Lamp ON,Module still has deployment capability.
故障诊断码的运行条件	右侧侧气囊 - 配置错误
release condition	Right Hand Side Airbag - Incompatible Configuration
故障诊断码的判断条件	a) 安装了不应被配置的气囊 b) 气囊不存在，但相应管脚存在对电源或地的泄露
Failure criteria	a) fit unexpected airbag squib b) no airbag exist,but the pin has leakaged resistance
故障治愈条件	a) 移除错误连接气囊 b) 相应管脚不存在对电源或地的泄露
healing condition	a) remove wrong airbag squib b) remove pin leakaged resistance

故障码 DTC	B0021
故障码描述	左侧气帘 - 对地短路
DTC Description	Left Hand Curtain Airbag -Short to GND
故障发生的可能原因	左侧气帘 - 对地短路
Possible Cause	Left Hand Curtain Airbag -Short to GND
检查项目	1、检查相关线束 2、重新连接发生器接插件 3、替换气囊
Check Items	1、 Check related wiring harness 2、 Reconnect inflator connector 3、 Replace Airbag
可能的影响	安全气囊故障灯亮，不具备点爆气囊功能
Possible Symptom	Airbag Warning Lamp ON,Module still has deployment capability.
故障诊断码的运行条件	左侧气帘 - 对地短路
release condition	Left Hand Curtain Airbag -Short to GND
故障诊断码的判断条件	泄露电阻值 <2.5 千欧时故障被检出 , 泄露电阻值 <6.5 千欧时故障可能被检出
Failure criteria	Fault will be qualified if leakaged resistance is below 2.5kohm, fault maybe qualified if leakaged resistance is below 6.5kohm.
故障治愈条件	泄露电阻值 >2.5 千欧时故障可能消失 , 泄露电阻值 >6.5 千欧时故障消失
healing condition	Fault maybe recovered if leakaged resistance is above 2.5kohm, fault will be recovered if leakaged resistance is above 6.5kohm.

故障码 DTC	B0021
故障码描述	左侧气帘 - 对电池短路
DTC Description	Left Hand Curtain Airbag -Short to Battery
故障发生的可能原因	左侧气帘 - 对电池短路
Possible Cause	Left Hand Curtain Airbag -Short to Battery
检查项目	1、检查相关线束 2、重新连接发生器接插件 3、替换气囊
Check Items	1、 Check related wiring harness 2、 Reconnect inflator connector 3、 Replace Airbag
可能的影响	安全气囊故障灯亮，不具备点爆气囊功能
Possible Symptom	Airbag Warning Lamp ON,Module still has deployment capability.
故障诊断码的运行条件	左侧气帘 - 对电池短路
release condition	Left Hand Curtain Airbag -Short to Battery
故障诊断码的判断条件	泄露电阻值 <1.8 千欧时故障被检出 , 泄露电阻值 <9.7 千欧时故障可能被检出
Failure criteria	Fault will be qualified if leakaged resistance is below 1.8kohm, fault maybe qualified if leakaged resistance is below 9.7kohm.
故障治愈条件	泄露电阻值 >1.8 千欧时故障可能消失 , 泄露电阻值 >9.7 千欧时故障消失
healing condition	Fault maybe recovered if leakaged resistance is above 1.8kohm, fault will be recovered if leakaged resistance is above 9.7kohm.

故障码 DTC	B0021
故障码描述	左侧气帘 - 电阻值过低
DTC Description	Left Hand Curtain Airbag - Resistance too Low
故障发生的可能原因	左侧气帘 - 电阻值过低
Possible Cause	Left Hand Curtain Airbag - Resistance too Low
检查项目	1、检查相关线束 2、重新连接发生器接插件 3、替换气囊
Check Items	1、 Check related wiring harness 2、 Reconnect inflator connector 3、 Replace Airbag
可能的影响	安全气囊故障灯亮，不具备点爆气囊功能
Possible Symptom	Airbag Warning Lamp ON,Module still has deployment capability.
故障诊断码的运行条件	左侧气帘 - 电阻值过低
release condition	Left Hand Curtain Airbag - Resistance too Low
故障诊断码的判断条件	气囊电阻值 <1.1 欧时故障被检出 , 气囊电阻值 <1.7 欧时故障可能被检出
Failure criteria	Fault will be qualified if resistance is below 1.1ohm, fault maybe qualified if resistance is below 1.7 ohm.
故障治愈条件	气囊电阻值 >1.1 欧时故障可能消失 , 气囊电阻值 >1.7 欧时故障消失
healing condition	Fault maybe recovered if resistance is above 1.1ohm, fault will be recovered if resistance is above 1.7ohm.

故障码 DTC	B0021
故障码描述	左侧气帘 - 电阻值过高
DTC Description	Left Hand Curtain Airbag - Resistance too High
故障发生的可能原因	左侧气帘 - 电阻值过高
Possible Cause	Left Hand Curtain Airbag - Resistance too High
检查项目	1、检查相关线束 2、重新连接发生器接插件 3、替换气囊
Check Items	1、 Check related wiring harness 2、 Reconnect inflator connector 3、 Replace Airbag
可能的影响	安全气囊故障灯亮，不具备点爆气囊功能
Possible Symptom	Airbag Warning Lamp ON,Module still has deployment capability.
故障诊断码的运行条件	左侧气帘 - 电阻值过高
release condition	Left Hand Curtain Airbag - Resistance too High
故障诊断码的判断条件	气囊电阻值 >5.0 欧时故障被检出 , 气囊电阻值 >3.8 欧时故障可能被检出
Failure criteria	Fault will be qualified if resistance is above5.0ohm, fault may be qualified if resistance is above 3.8ohm.
故障治愈条件	气囊电阻值 <5.0 欧时故障可能消失 , 气囊电阻值 <3.8 欧时故障消失
healing condition	Fault may be recovered if resistance is below 5.0ohm, fault will be recovered if resistance is below 3.8ohm.

故障码 DTC	B0021
故障码描述	左侧气帘 - 配置错误
DTC Description	Left Hand Curtain Airbag - Incompatible Configuration
故障发生的可能原因	左侧气帘 - 配置错误
Possible Cause	Left Hand Curtain Airbag - Incompatible Configuration
检查项目	1、检查相关线束 2、重新连接发生器接插件 3、检查侧气帘的配置
Check Items	1、 Check related wiring harness 2、 Reconnect inflator connector 3、 Check Curtain configuration
可能的影响	安全气囊故障灯亮，不具备点爆气囊功能
Possible Symptom	Airbag Warning Lamp ON,Module still has deployment capability.
故障诊断码的运行条件	左侧气帘 - 配置错误
release condition	Left Hand Curtain Airbag - Incompatible Configuration
故障诊断码的判断条件	a) 安装了不应被配置的气囊 b) 气囊不存在，但相应管脚存在对电源或地的泄露
Failure criteria	a) fit unexpected airbag squib b) no airbag exist,but the pin has leakaged resistance
故障治愈条件	a) 移除错误连接气囊 b) 相应管脚不存在对电源或地的泄露
healing condition	a) remove wrong airbag squib b) remove pin leakaged resistance

故障码 DTC	B0029
故障码描述	右侧气帘 - 对地短路
DTC Description	Right Hand Curtain Airbag -Short to GND
故障发生的可能原因	右侧气帘 - 对地短路
Possible Cause	Right Hand Curtain Airbag -Short to GND
检查项目	1、检查相关线束 2、重新连接发生器接插件 3、替换气囊
Check Items	1、 Check related wiring harness 2、 Reconnect inflator connector 3、 Replace Airbag
可能的影响	安全气囊故障灯亮，不具备点爆气囊功能
Possible Symptom	Airbag Warning Lamp ON,Module still has deployment capability.
故障诊断码的运行条件	右侧气帘 - 对地短路
release condition	Right Hand Curtain Airbag -Short to GND
故障诊断码的判断条件	泄露电阻值 <2.5 千欧时故障被检出，泄露电阻值 <6.5 千欧时故障可能被检出
Failure criteria	Fault will be qualified if leakaged resistance is below 2.5kohm, fault maybe qualified if leakaged resistance is below 6.5kohm.
故障治愈条件	泄露电阻值 >2.5 千欧时故障可能消失，泄露电阻值 >6.5 千欧时故障消失
healing condition	Fault maybe recovered if leakaged resistance is above 2.5kohm, fault will be recovered if leakaged resistance is above 6.5kohm.

故障码 DTC	B0029
故障码描述	右侧气帘 - 对电池短路
DTC Description	Right Hand Curtain Airbag -Short to Battery
故障发生的可能原因	右侧气帘 - 对电池短路
Possible Cause	Right Hand Curtain Airbag -Short to Battery
检查项目	1、检查相关线束 2、重新连接发生器接插件 3、替换气囊
Check Items	1、 Check related wiring harness 2、 Reconnect inflator connector 3、 Replace Airbag
可能的影响	安全气囊故障灯亮，不具备点爆气囊功能
Possible Symptom	Airbag Warning Lamp ON,Module still has deployment capability.
故障诊断码的运行条件	右侧气帘 - 对电池短路
release condition	Right Hand Curtain Airbag -Short to Battery
故障诊断码的判断条件	泄露电阻值 <1.8 千欧时故障被检出 , 泄露电阻值 <9.7 千欧时故障可能被检出
Failure criteria	Fault will be qualified if leakaged resistance is below 1.8kohm, fault maybe qualified if leakaged resistance is below 9.7kohm.
故障治愈条件	泄露电阻值 >1.8 千欧时故障可能消失 , 泄露电阻值 >9.7 千欧时故障消失
healing condition	Fault maybe recovered if leakaged resistance is above 1.8kohm, fault will be recovered if leakaged resistance is above 9.7kohm.

故障码 DTC	B0029
故障码描述	右侧气帘 - 电阻值过低
DTC Description	Right Hand Curtain Airbag - Resistance too Low
故障发生的可能原因	右侧气帘 - 电阻值过低
Possible Cause	Right Hand Curtain Airbag - Resistance too Low
检查项目	1、检查相关线束 2、重新连接发生器接插件 3、替换气囊
Check Items	1、 Check related wiring harness 2、 Reconnect inflator connector 3、 Replace Airbag
可能的影响	安全气囊故障灯亮，不具备点爆气囊功能
Possible Symptom	Airbag Warning Lamp ON,Module still has deployment capability.
故障诊断码的运行条件	右侧气帘 - 电阻值过低
release condition	Right Hand Curtain Airbag - Resistance too Low
故障诊断码的判断条件	气囊电阻值 <1.1 欧时故障被检出 , 气囊电阻值 <1.7 欧时故障可能被检出
Failure criteria	Fault will be qualified if resistance is below 1.1ohm, fault maybe qualified if resistance is below 1.7 ohm.
故障治愈条件	气囊电阻值 >1.1 欧时故障可能消失 , 气囊电阻值 >1.7 欧时故障消失
healing condition	Fault maybe recovered if resistance is above 1.1ohm, fault will be recovered if resistance is above 1.7ohm.

故障码 DTC	B0029
故障码描述	右侧气帘 - 电阻值过高
DTC Description	Right Hand Curtain Airbag - Resistance too High
故障发生的可能原因	右侧气帘 - 电阻值过高
Possible Cause	Right Hand Curtain Airbag - Resistance too High
检查项目	1、检查相关线束 2、重新连接发生器接插件 3、替换气囊
Check Items	1、 Check related wiring harness 2、 Reconnect inflator connector 3、 Replace Airbag
可能的影响	安全气囊故障灯亮，不具备点爆气囊功能
Possible Symptom	Airbag Warning Lamp ON,Module still has deployment capability.
故障诊断码的运行条件	右侧气帘 - 电阻值过高
release condition	Right Hand Curtain Airbag - Resistance too High
故障诊断码的判断条件	气囊电阻值 >5.0 欧时故障被检出 , 气囊电阻值 >3.8 欧时故障可能被检出
Failure criteria	Fault will be qualified if resistance is above5.0ohm, fault may be qualified if resistance is above 3.8ohm.
故障治愈条件	气囊电阻值 <5.0 欧时故障可能消失 , 气囊电阻值 <3.8 欧时故障消失
healing condition	Fault may be recovered if resistance is below 5.0ohm, fault will be recovered if resistance is below 3.8ohm.

故障码 DTC	B0029
故障码描述	右侧气帘 - 配置错误
DTC Description	Right Hand Curtain Airbag - Incompatible Configuration
故障发生的可能原因	右侧气帘 - 配置错误
Possible Cause	Right Hand Curtain Airbag - Incompatible Configuration
检查项目	1、检查相关线束 2、重新连接发生器接插件 3、检查侧气帘的配置
Check Items	1、 Check related wiring harness 2、 Reconnect inflator connector 3、 Check Curtain configuration
可能的影响	安全气囊故障灯亮，不具备点爆气囊功能
Possible Symptom	Airbag Warning Lamp ON,Module still has deployment capability.
故障诊断码的运行条件	右侧气帘 - 配置错误
release condition	Right Hand Curtain Airbag - Incompatible Configuration
故障诊断码的判断条件	a) 安装了不应被配置的气囊 b) 气囊不存在，但相应管脚存在对电源或地的泄露
Failure criteria	a) fit unexpected airbag squib b) no airbag exist,but the pin has leakaged resistance
故障治愈条件	a) 移除错误连接气囊 b) 相应管脚不存在对电源或地的泄露
healing condition	a) remove wrong airbag squib b) remove pin leakaged resistance

故障码 DTC	B0022
故障码描述	二排左侧安全带预张紧 - 对地短路
DTC Description	Second Row Left Pretensinor -Short to GND
故障发生的可能原因	二排左侧安全带预张紧 - 对地短路
Possible Cause	Second Row Left Pretensinor -Short to GND
检查项目	1、检查相关线束 2、重新连接发生器接插件 3、替换气囊
Check Items	1、 Check related wiring harness 2、 Reconnect inflator connector 3、 Replace Airbag
可能的影响	安全气囊故障灯亮，不具备点爆气囊功能
Possible Symptom	Airbag Warning Lamp ON,Module still has deployment capability.
故障诊断码的运行条件	二排左侧安全带预张紧 - 对地短路
release condition	Second Row Left Pretensinor -Short to GND
故障诊断码的判断条件	泄露电阻值 <2.5 千欧时故障被检出 , 泄露电阻值 <6.5 千欧时故障可能被检出
Failure criteria	Fault will be qualified if leakaged resistance is below 2.5kohm, fault maybe qualified if leakaged resistance is below 6.5kohm.
故障治愈条件	泄露电阻值 >2.5 千欧时故障可能消失 , 泄露电阻值 >6.5 千欧时故障消失
healing condition	Fault maybe recovered if leakaged resistance is above 2.5kohm, fault will be recovered if leakaged resistance is above 6.5kohm.

故障码 DTC	B0022
故障码描述	二排左侧安全带预张紧 - 对电池短路
DTC Description	Second Row Left Pretensinor -Short to Battery
故障发生的可能原因	二排左侧安全带预张紧 - 对电池短路
Possible Cause	Second Row Left Pretensinor -Short to Battery
检查项目	1、检查相关线束 2、重新连接发生器接插件 3、替换气囊
Check Items	1、 Check related wiring harness 2、 Reconnect inflator connector 3、 Replace Airbag
可能的影响	安全气囊故障灯亮，不具备点爆气囊功能
Possible Symptom	Airbag Warning Lamp ON,Module still has deployment capability.
故障诊断码的运行条件	二排左侧安全带预张紧 - 对电池短路
release condition	Second Row Left Pretensinor -Short to Battery
故障诊断码的判断条件	泄露电阻值 <1.8 千欧时故障被检出 , 泄露电阻值 <9.7 千欧时故障可能被检出
Failure criteria	Fault will be qualified if leakaged resistance is below 1.8kohm, fault maybe qualified if leakaged resistance is below 9.7kohm.
故障治愈条件	泄露电阻值 >1.8 千欧时故障可能消失 , 泄露电阻值 >9.7 千欧时故障消失
healing condition	Fault maybe recovered if leakaged resistance is above 1.8kohm, fault will be recovered if leakaged resistance is above 9.7kohm.

故障码 DTC	B0022
故障码描述	二排左侧安全带预张紧 - 电阻值过低
DTC Description	Second Row Left Pretensinor - Resistance too Low
故障发生的可能原因	二排左侧安全带预张紧 - 电阻值过低
Possible Cause	Second Row Left Pretensinor - Resistance too Low
检查项目	1、检查相关线束 2、重新连接发生器接插件 3、替换气囊
Check Items	1、 Check related wiring harness 2、 Reconnect inflator connector 3、 Replace Airbag
可能的影响	安全气囊故障灯亮，不具备点爆气囊功能
Possible Symptom	Airbag Warning Lamp ON,Module still has deployment capability.
故障诊断码的运行条件	二排左侧安全带预张紧 - 电阻值过低
release condition	Second Row Left Pretensinor - Resistance too Low
故障诊断码的判断条件	气囊电阻值 <1.1 欧时故障被检出 , 气囊电阻值 <1.7 欧时故障可能被检出
Failure criteria	Fault will be qualified if resistance is below 1.1ohm, fault maybe qualified if resistance is below 1.7 ohm.
故障治愈条件	气囊电阻值 >1.1 欧时故障可能消失 , 气囊电阻值 >1.7 欧时故障消失
healing condition	Fault maybe recovered if resistance is above 1.1ohm, fault will be recovered if resistance is above 1.7ohm.

故障码 DTC	B0022
故障码描述	二排左侧安全带预张紧 - 电阻值过高
DTC Description	Second Row Left Pretensinor - Resistance too High
故障发生的可能原因	二排左侧安全带预张紧 - 电阻值过高
Possible Cause	Second Row Left Pretensinor - Resistance too High
检查项目	1、检查相关线束 2、重新连接发生器接插件 3、替换气囊
Check Items	1、 Check related wiring harness 2、 Reconnect inflator connector 3、 Replace Airbag
可能的影响	安全气囊故障灯亮，不具备点爆气囊功能
Possible Symptom	Airbag Warning Lamp ON,Module still has deployment capability.
故障诊断码的运行条件	二排左侧安全带预张紧 - 电阻值过高
release condition	Second Row Left Pretensinor - Resistance too High
故障诊断码的判断条件	气囊电阻值 >5.0 欧时故障被检出 , 气囊电阻值 >3.8 欧时故障可能被检出
Failure criteria	Fault will be qualified if resistance is above5.0ohm, fault may be qualified if resistance is above 3.8ohm.
故障治愈条件	气囊电阻值 <5.0 欧时故障可能消失 , 气囊电阻值 <3.8 欧时故障消失
healing condition	Fault may be recovered if resistance is below 5.0ohm, fault will be recovered if resistance is below 3.8ohm.

故障码 DTC	B0022
故障码描述	二排左侧安全带预张紧 - 配置错误
DTC Description	Second Row Left Pretensinor - Incompatible Configuration
故障发生的可能原因	二排左侧安全带预张紧 - 配置错误
Possible Cause	Second Row Left Pretensinor - Incompatible Configuration
检查项目	1、检查相关线束 2、重新连接发生器接插件 3、检查侧气帘的配置
Check Items	1、 Check related wiring harness 2、 Reconnect inflator connector 3、 Check Curtain configuration
可能的影响	安全气囊故障灯亮，不具备点爆气囊功能
Possible Symptom	Airbag Warning Lamp ON,Module still has deployment capability.
故障诊断码的运行条件	二排左侧安全带预张紧 - 配置错误
release condition	Second Row Left Pretensinor - Incompatible Configuration
故障诊断码的判断条件	a) 安装了不应被配置的气囊 b) 气囊不存在，但相应管脚存在对电源或地的泄露
Failure criteria	a) fit unexpected airbag squib b) no airbag exist,but the pin has leakaged resistance
故障治愈条件	a) 移除错误连接气囊 b) 相应管脚不存在对电源或地的泄露
healing condition	a) remove wrong airbag squib b) remove pin leakaged resistance

故障码 DTC	B002A
故障码描述	二排右侧安全带预张紧 - 对地短路
DTC Description	Second Row Right Pretensinor -Short to GND
故障发生的可能原因	二排右侧安全带预张紧 - 对地短路
Possible Cause	Second Row Right Pretensinor -Short to GND
检查项目	1、检查相关线束 2、重新连接发生器接插件 3、替换预紧器
Check Items	1、 Check related wiring harness 2、 Reconnect inflator connector 3、 Replace Airbag
可能的影响	安全气囊故障灯亮，不具备点爆气囊功能
Possible Symptom	Airbag Warning Lamp ON,Module still has deployment capability.
故障诊断码的运行条件	二排右侧安全带预张紧 - 对地短路
release condition	Second Row Right Pretensinor -Short to GND
故障诊断码的判断条件	泄露电阻值 <2.5 千欧时故障被检出 , 泄露电阻值 <6.5 千欧时故障可能被检出
Failure criteria	Fault will be qualified if leakaged resistance is below 2.5kohm, fault maybe qualified if leakaged resistance is below 6.5kohm.
故障治愈条件	泄露电阻值 >2.5 千欧时故障可能消失 , 泄露电阻值 >6.5 千欧时故障消失
healing condition	Fault maybe recovered if leakaged resistance is above 2.5kohm, fault will be recovered if leakaged resistance is above 6.5kohm.

故障码 DTC	B002A
故障码描述	二排右侧安全带预张紧 - 对电池短路
DTC Description	Second Row Right Pretensinor -Short to Battery
故障发生的可能原因	二排右侧安全带预张紧 - 对电池短路
Possible Cause	Second Row Right Pretensinor -Short to Battery
检查项目	1、检查相关线束 2、重新连接发生器接插件 3、替换预紧器
Check Items	1、 Check related wiring harness 2、 Reconnect inflator connector 3、 Replace Airbag
可能的影响	安全气囊故障灯亮，不具备点爆气囊功能
Possible Symptom	Airbag Warning Lamp ON,Module still has deployment capability.
故障诊断码的运行条件	二排右侧安全带预张紧 - 对电池短路
release condition	Second Row Right Pretensinor -Short to Battery
故障诊断码的判断条件	泄露电阻值 <1.8 千欧时故障被检出 , 泄露电阻值 <9.7 千欧时故障可能被检出
Failure criteria	Fault will be qualified if leakaged resistance is below 1.8kohm, fault maybe qualified if leakaged resistance is below 9.7kohm.
故障治愈条件	泄露电阻值 >1.8 千欧时故障可能消失 , 泄露电阻值 >9.7 千欧时故障消失
healing condition	Fault maybe recovered if leakaged resistance is above 1.8kohm, fault will be recovered if leakaged resistance is above 9.7kohm.

故障码 DTC	B002A
故障码描述	二排右侧安全带预张紧 - 电阻值过低
DTC Description	Second Row Right Pretensinor - Resistance too Low
故障发生的可能原因	二排右侧安全带预张紧 - 电阻值过低
Possible Cause	Second Row Right Pretensinor - Resistance too Low
检查项目	1、检查相关线束 2、重新连接发生器接插件 3、替换预紧器
Check Items	1、 Check related wiring harness 2、 Reconnect inflator connector 3、 Replace Airbag
可能的影响	安全气囊故障灯亮，不具备点爆气囊功能
Possible Symptom	Airbag Warning Lamp ON,Module still has deployment capability.
故障诊断码的运行条件	二排右侧安全带预张紧 - 电阻值过低
release condition	Second Row Right Pretensinor - Resistance too Low
故障诊断码的判断条件	气囊电阻值 <1.1 欧时故障被检出 , 气囊电阻值 <1.7 欧时故障可能被检出
Failure criteria	Fault will be qualified if resistance is below 1.1ohm, fault maybe qualified if resistance is below 1.7 ohm.
故障治愈条件	气囊电阻值 >1.1 欧时故障可能消失 , 气囊电阻值 >1.7 欧时故障消失
healing condition	Fault maybe recovered if resistance is above 1.1ohm, fault will be recovered if resistance is above 1.7ohm.

故障码 DTC	B002A
故障码描述	二排右侧安全带预张紧 - 电阻值过高
DTC Description	Second Row Right Pretensinor - Resistance too High
故障发生的可能原因	二排右侧安全带预张紧 - 电阻值过高
Possible Cause	Second Row Right Pretensinor - Resistance too High
检查项目	1、检查相关线束 2、重新连接发生器接插件 3、替换预紧器
Check Items	1、 Check related wiring harness 2、 Reconnect inflator connector 3、 Replace Airbag
可能的影响	安全气囊故障灯亮，不具备点爆气囊功能
Possible Symptom	Airbag Warning Lamp ON,Module still has deployment capability.
故障诊断码的运行条件	二排右侧安全带预张紧 - 电阻值过高
release condition	Second Row Right Pretensinor - Resistance too High
故障诊断码的判断条件	气囊电阻值 >5.0 欧时故障被检出 , 气囊电阻值 >3.8 欧时故障可能被检出
Failure criteria	Fault will be qualified if resistance is above5.0ohm, fault may be qualified if resistance is above 3.8ohm.
故障治愈条件	气囊电阻值 <5.0 欧时故障可能消失 , 气囊电阻值 <3.8 欧时故障消失
healing condition	Fault may be recovered if resistance is below 5.0ohm, fault will be recovered if resistance is below 3.8ohm.

故障码 DTC	B002A
故障码描述	二排右侧安全带预张紧 - 配置错误
DTC Description	Second Row Right Pretensinor - Incompatible Configuration
故障发生的可能原因	二排右侧安全带预张紧 - 配置错误
Possible Cause	Second Row Right Pretensinor - Incompatible Configuration
检查项目	1、检查相关线束 2、重新连接发生器接插件 3、检查侧气帘的配置
Check Items	1、 Check related wiring harness 2、 Reconnect inflator connector 3、 Check Curtain configuration
可能的影响	安全气囊故障灯亮，不具备点爆气囊功能
Possible Symptom	Airbag Warning Lamp ON,Module still has deployment capability.
故障诊断码的运行条件	二排右侧安全带预张紧 - 配置错误
release condition	Second Row Right Pretensinor - Incompatible Configuration
故障诊断码的判断条件	a) 安装了不应被配置的气囊 b) 气囊不存在，但相应管脚存在对电源或地的泄露
Failure criteria	a) fit unexpected airbag squib b) no airbag exist,but the pin has leakaged resistance
故障治愈条件	a) 移除错误连接气囊 b) 相应管脚不存在对电源或地的泄露
healing condition	a) remove wrong airbag squib b) remove pin leakaged resistance

故障码 DTC	B0073
故障码描述	主驾二级安全带预紧 - 对地短路
DTC Description	Left Seatbelt Pretensioner Stage2 - Short to GND
故障发生的可能原因	主驾二级安全带预紧 - 对地短路
Possible Cause	Left Seatbelt Pretensioner Stage2 - Short to GND
检查项目	1、检查相关线束 2、重新连接发生器接插件 3、替换预紧器
Check Items	1、 Check related wiring harness 2、 Reconnect inflator connector 3、 Replace PT
可能的影响	安全气囊故障灯亮，不具备点爆气囊功能
Possible Symptom	Airbag Warning Lamp ON,Module still has deployment capability.
故障诊断码的运行条件	主驾二级安全带预紧 - 对地短路
release condition	Left Seatbelt Pretensioner Stage2 - Short to GND
故障诊断码的判断条件	泄露电阻值 <2.5 千欧时故障被检出 , 泄露电阻值 <6.5 千欧时故障可能被检出
Failure criteria	Fault will be qualified if leakaged resistance is below 2.5kohm, fault maybe qualified if leakaged resistance is below 6.5kohm.
故障治愈条件	泄露电阻值 >2.5 千欧时故障可能消失 , 泄露电阻值 >6.5 千欧时故障消失
healing condition	Fault maybe recovered if leakaged resistance is above 2.5kohm, fault will be recovered if leakaged resistance is above 6.5kohm.

故障码 DTC	B0073
故障码描述	主驾二级安全带预紧 - 对电池短路
DTC Description	Left Seatbelt Pretensioner Stage2 -Short to Battery
故障发生的可能原因	主驾二级安全带预紧 - 对电池短路
Possible Cause	Left Seatbelt Pretensioner Stage2 -Short to Battery
检查项目	1、检查相关线束 2、重新连接发生器接插件 3、替换预紧器
Check Items	1、 Check related wiring harness 2、 Reconnect inflator connector 3、 Replace PT
可能的影响	安全气囊故障灯亮，不具备点爆气囊功能
Possible Symptom	Airbag Warning Lamp ON,Module still has deployment capability.
故障诊断码的运行条件	主驾二级安全带预紧 - 对电池短路
release condition	Left Seatbelt Pretensioner Stage2 -Short to Battery
故障诊断码的判断条件	泄露电阻值 <1.8 千欧时故障被检出 , 泄露电阻值 <9.7 千欧时故障可能被检出
Failure criteria	Fault will be qualified if leakaged resistance is below 1.8kohm, fault maybe qualified if leakaged resistance is below 9.7kohm.
故障治愈条件	泄露电阻值 >1.8 千欧时故障可能消失 , 泄露电阻值 >9.7 千欧时故障消失
healing condition	Fault maybe recovered if leakaged resistance is above 1.8kohm, fault will be recovered if leakaged resistance is above 9.7kohm.

故障码 DTC	B0073
故障码描述	主驾二级安全带预紧 电阻值过低
DTC Description	Left Seatbelt Pretensioner Stage2 - Resistance too Low
故障发生的可能原因	主驾二级安全带预紧 电阻值过低
Possible Cause	Left Seatbelt Pretensioner Stage2 - Resistance too Low
检查项目	1、检查相关线束 2、重新连接发生器接插件 3、替换预紧器
Check Items	1、 Check related wiring harness 2、 Reconnect inflator connector 3、 Replace PT
可能的影响	安全气囊故障灯亮，不具备点爆气囊功能
Possible Symptom	Airbag Warning Lamp ON,Module still has deployment capability.
故障诊断码的运行条件	主驾二级安全带预紧 电阻值过低
release condition	Left Seatbelt Pretensioner Stage2 - Resistance too Low
故障诊断码的判断条件	气囊电阻值 <1.1 欧时故障被检出 , 气囊电阻值 <1.7 欧时故障可能被检出
Failure criteria	Fault will be qualified if resistance is below 1.1ohm, fault maybe qualified if resistance is below 1.7 ohm.
故障治愈条件	气囊电阻值 >1.1 欧时故障可能消失 , 气囊电阻值 >1.7 欧时故障消失
healing condition	Fault maybe recovered if resistance is above 1.1ohm, fault will be recovered if resistance is above 1.7ohm.

故障码 DTC	B0073
故障码描述	主驾二级安全带预紧 - 电阻值过高
DTC Description	Left Seatbelt Pretensioner Stage2 - Resistance too High
故障发生的可能原因	主驾二级安全带预紧 - 电阻值过高
Possible Cause	Left Seatbelt Pretensioner Stage2 - Resistance too High
检查项目	1、检查相关线束 2、重新连接发生器接插件 3、替换预紧器
Check Items	1、 Check related wiring harness 2、 Reconnect inflator connector 3、 Replace PT
可能的影响	安全气囊故障灯亮，不具备点爆气囊功能
Possible Symptom	Airbag Warning Lamp ON,Module still has deployment capability.
故障诊断码的运行条件	主驾二级安全带预紧 - 电阻值过高
release condition	Left Seatbelt Pretensioner Stage2 - Resistance too High
故障诊断码的判断条件	气囊电阻值 >5.0 欧时故障被检出 , 气囊电阻值 >3.8 欧时故障可能被检出
Failure criteria	Fault will be qualified if resistance is above5.0ohm, fault may be qualified if resistance is above 3.8ohm.
故障治愈条件	气囊电阻值 <5.0 欧时故障可能消失 , 气囊电阻值 <3.8 欧时故障消失
healing condition	Fault may be recovered if resistance is below 5.0ohm, fault will be recovered if resistance is below 3.8ohm.

故障码 DTC	B0073
故障码描述	主驾二级安全带预紧 - 配置错误
DTC Description	Left Seatbelt Pretensioner Stage2 - Incompatible Configuration
故障发生的可能原因	主驾二级安全带预紧 - 配置错误
Possible Cause	Left Seatbelt Pretensioner Stage2 - Incompatible Configuration
检查项目	1、检查相关线束 2、重新连接发生器接插件 3、检查 PT 的配置
Check Items	1、 Check related wiring harness 2、 Reconnect inflator connector 3、 Check PT configuration
可能的影响	安全气囊故障灯亮，不具备点爆气囊功能
Possible Symptom	Airbag Warning Lamp ON,Module still has deployment capability.
故障诊断码的运行条件	主驾二级安全带预紧 - 配置错误
release condition	Left Seatbelt Pretensioner Stage2 - Incompatible Configuration
故障诊断码的判断条件	a) 安装了不应被配置的气囊 b) 气囊不存在，但相应管脚存在对电源或地的泄露
Failure criteria	a) fit unexpected airbag squib b) no airbag exist,but the pin has leakaged resistance
故障治愈条件	a) 移除错误连接气囊 b) 相应管脚不存在对电源或地的泄露
healing condition	a) remove wrong airbag squib b) remove pin leakaged resistance

故障码 DTC	B0075
故障码描述	副驾二级安全带预紧 - 对地短路
DTC Description	Right Seatbelt Pretensioner stage 2 - Short to GND
故障发生的可能原因	副驾二级安全带预紧 - 对地短路
Possible Cause	Right Seatbelt Pretensioner stage 2 - Short to GND
检查项目	1、检查相关线束 2、重新连接发生器接插件 3、替换预紧器
Check Items	1、 Check related wiring harness 2、 Reconnect inflator connector 3、 Replace PT
可能的影响	安全气囊故障灯亮，不具备点爆气囊功能
Possible Symptom	Airbag Warning Lamp ON,Module still has deployment capability.
故障诊断码的运行条件	副驾二级安全带预紧 - 对地短路
release condition	Right Seatbelt Pretensioner stage 2 - Short to GND
故障诊断码的判断条件	泄露电阻值 <2.5 千欧时故障被检出，泄露电阻值 <6.5 千欧时故障可能被检出
Failure criteria	Fault will be qualified if leakaged resistance is below 2.5kohm, fault maybe qualified if leakaged resistance is below 6.5kohm.
故障治愈条件	泄露电阻值 >2.5 千欧时故障可能消失，泄露电阻值 >6.5 千欧时故障消失
healing condition	Fault maybe recovered if leakaged resistance is above 2.5kohm, fault will be recovered if leakaged resistance is above 6.5kohm.

故障码 DTC	B0075
故障码描述	副驾二级安全带预紧 - 对电池短路
DTC Description	Right Seatbelt Pretensioner stage 2 - Short to Battery
故障发生的可能原因	副驾二级安全带预紧 - 对电池短路
Possible Cause	Right Seatbelt Pretensioner stage 2 - Short to Battery
检查项目	1、检查相关线束 2、重新连接发生器接插件 3、替换预紧器
Check Items	1、 Check related wiring harness 2、 Reconnect inflator connector 3、 Replace PT
可能的影响	安全气囊故障灯亮，不具备点爆气囊功能
Possible Symptom	Airbag Warning Lamp ON,Module still has deployment capability.
故障诊断码的运行条件	副驾二级安全带预紧 - 对电池短路
release condition	Right Seatbelt Pretensioner stage 2 - Short to Battery
故障诊断码的判断条件	泄露电阻值 <1.8 千欧时故障被检出 , 泄露电阻值 <9.7 千欧时故障可能被检出
Failure criteria	Fault will be qualified if leakaged resistance is below 1.8kohm, fault maybe qualified if leakaged resistance is below 9.7kohm.
故障治愈条件	泄露电阻值 >1.8 千欧时故障可能消失 , 泄露电阻值 >9.7 千欧时故障消失
healing condition	Fault maybe recovered if leakaged resistance is above 1.8kohm, fault will be recovered if leakaged resistance is above 9.7kohm.

故障码 DTC	B0075
故障码描述	副驾二级安全带预紧 - 电阻值过低
DTC Description	Right Seatbelt Pretensioner stage 2 - Resistance too Low
故障发生的可能原因	副驾二级安全带预紧 - 电阻值过低
Possible Cause	Right Seatbelt Pretensioner stage 2 - Resistance too Low
检查项目	1、检查相关线束 2、重新连接发生器接插件 3、替换预紧器
Check Items	1、 Check related wiring harness 2、 Reconnect inflator connector 3、 Replace PT
可能的影响	安全气囊故障灯亮，不具备点爆气囊功能
Possible Symptom	Airbag Warning Lamp ON,Module still has deployment capability.
故障诊断码的运行条件	副驾二级安全带预紧 - 电阻值过低
release condition	Right Seatbelt Pretensioner stage 2 - Resistance too Low
故障诊断码的判断条件	气囊电阻值 <1.1 欧时故障被检出 , 气囊电阻值 <1.7 欧时故障可能被检出
Failure criteria	Fault will be qualified if resistance is below 1.1ohm, fault maybe qualified if resistance is below 1.7 ohm.
故障治愈条件	气囊电阻值 >1.1 欧时故障可能消失 , 气囊电阻值 >1.7 欧时故障消失
healing condition	Fault maybe recovered if resistance is above 1.1ohm, fault will be recovered if resistance is above 1.7ohm.

故障码 DTC	B0075
故障码描述	副驾二级安全带预紧 - 电阻值过高
DTC Description	Right Seatbelt Pretensioner stage 2 - Resistance too High
故障发生的可能原因	副驾二级安全带预紧 - 电阻值过高
Possible Cause	Right Seatbelt Pretensioner stage 2 - Resistance too High
检查项目	1、检查相关线束 2、重新连接发生器接插件 3、替换预紧器
Check Items	1、 Check related wiring harness 2、 Reconnect inflator connector 3、 Replace PT
可能的影响	安全气囊故障灯亮，不具备点爆气囊功能
Possible Symptom	Airbag Warning Lamp ON,Module still has deployment capability.
故障诊断码的运行条件	副驾二级安全带预紧 - 电阻值过高
release condition	Right Seatbelt Pretensioner stage 2 - Resistance too High
故障诊断码的判断条件	气囊电阻值 >5.0 欧时故障被检出 , 气囊电阻值 >3.8 欧时故障可能被检出
Failure criteria	Fault will be qualified if resistance is above5.0ohm, fault may be qualified if resistance is above 3.8ohm.
故障治愈条件	气囊电阻值 <5.0 欧时故障可能消失 , 气囊电阻值 <3.8 欧时故障消失
healing condition	Fault may be recovered if resistance is below 5.0ohm, fault will be recovered if resistance is below 3.8ohm.

故障码 DTC	B0075
故障码描述	副驾二级安全带预紧 - 配置错误
DTC Description	Right Seatbelt Pretensioner stage 2 - Incompatible Configuration
故障发生的可能原因	副驾二级安全带预紧 - 配置错误
Possible Cause	Right Seatbelt Pretensioner stage 2 - Incompatible Configuration
检查项目	1、检查相关线束 2、重新连接发生器接插件 3、检查 PT 的配置
Check Items	1、 Check related wiring harness 2、 Reconnect inflator connector 3、 Check PT configuration
可能的影响	安全气囊故障灯亮，不具备点爆气囊功能
Possible Symptom	Airbag Warning Lamp ON,Module still has deployment capability.
故障诊断码的运行条件	副驾二级安全带预紧 - 配置错误
release condition	Right Seatbelt Pretensioner stage 2 - Incompatible Configuration
故障诊断码的判断条件	a) 安装了不应被配置的气囊 b) 气囊不存在，但相应管脚存在对电源或地的泄露
Failure criteria	a) fit unexpected airbag squib b) no airbag exist,but the pin has leakaged resistance
故障治愈条件	a) 移除错误连接气囊 b) 相应管脚不存在对电源或地的泄露
healing condition	a) remove wrong airbag squib b) remove pin leakaged resistance

故障码 DTC	B0090
故障码描述	左侧前碰传感器 - 内部故障
DTC Description	Left Front Satellite Sensor - Internal Fault
故障发生的可能原因	左侧前碰传感器 - 内部故障
Possible Cause	Left Front Satellite Sensor - Internal Fault
检查项目	1、重新点火 2、替换传感器
Check Items	1、 Re-Ignition 2、 Replace Sensor
可能的影响	安全气囊故障灯亮，不具备点爆气囊功能
Possible Symptom	Airbag Warning Lamp ON,Module still has deployment capability.
故障诊断码的运行条件	左侧前碰传感器 - 内部故障
release condition	Left Front Satellite Sensor - Internal Fault
故障诊断码的判断条件	传感器具备自检功能：一旦检测到故障，传感器将报出该故障
Failure criteria	Satellite sensor detected internal fault
故障治愈条件	更换外部传感器
healing condition	replace satellite sensor

故障码 DTC	B0090
故障码描述	左侧前碰撞传感器 - 通信丢失
DTC Description	Left Front Satellite Sensor - Lost Communication
故障发生的可能原因	左侧前碰撞传感器 - 通信丢失
Possible Cause	Left Front Satellite Sensor - Lost Communication
检查项目	1、检查相关线束
Check Items	1、 Check related wiring harness
可能的影响	安全气囊故障灯亮，不具备点爆气囊功能
Possible Symptom	Airbag Warning Lamp ON,Module still has deployment capability.
故障诊断码的运行条件	左侧前碰撞传感器 - 通信丢失
release condition	Left Front Satellite Sensor - Lost Communication
故障诊断码的判断条件	外部传感器未连接或线束开路
Failure criteria	No satellite sensor or harness open
故障治愈条件	正确连接传感器
healing condition	Connect correct satellite sensor

故障码 DTC	B0090
故障码描述	左侧前碰撞传感器 - 发送数据失效
DTC Description	Left Front Satellite Sensor – transmitted data invalid
故障发生的可能原因	左侧前碰撞传感器 - 发送数据失效
Possible Cause	Left Front Satellite Sensor – transmitted data invalid
检查项目	1、检查通信线路 , 安装正确的传感器
Check Items	1、 Check connection,mountain the correct sensor
可能的影响	安全气囊故障灯亮，不具备点爆气囊功能
Possible Symptom	Airbag Warning Lamp ON,Module still has deployment capability.
故障诊断码的运行条件	左侧前碰撞传感器 - 发送数据失效
release condition	Left Front Satellite Sensor – transmitted data invalid
故障诊断码的判断条件	任何通信错误会导致该故障，例如错误数据帧，错误数据帧长等
Failure criteria	Satellite sensor communication fault like wrong data frame， wrong data frame length etc.
故障治愈条件	安装正确的传感器
healing condition	Connect correct satellite sensor

故障码 DTC	B0091
故障码描述	左侧前碰撞传感器 - 配置错误
DTC Description	Left Front Satellite Sensor - Incompatible Configuration
故障发生的可能原因	左侧前碰撞传感器 - 配置错误
Possible Cause	Left Front Satellite Sensor - Incompatible Configuration
检查项目	1、安装正确的传感器
Check Items	1、 Mountain the correct sensor
可能的影响	安全气囊故障灯亮，不具备点爆气囊功能
Possible Symptom	Airbag Warning Lamp ON,Module still has deployment capability.
故障诊断码的运行条件	左侧前碰撞传感器 - 配置错误
release condition	Left Front Satellite Sensor - Incompatible Configuration
故障诊断码的判断条件	未配置但是连接了错误的传感器
Failure criteria	Unexpected satellite sensor is detected.
故障治愈条件	安装正确的传感器
healing condition	Connect correct satellite sensor

故障码 DTC	B0090
故障码描述	左侧前碰撞传感器 - 参数故障
DTC Description	Left Front Satellite Sensor - Parameter Fault
故障发生的可能原因	左侧前碰撞传感器 - 参数故障
Possible Cause	Left Front Satellite Sensor - Parameter Fault
检查项目	1、替换传感器
Check Items	1、 Replace Sensor
可能的影响	安全气囊故障灯亮，不具备点爆气囊功能
Possible Symptom	Airbag Warning Lamp ON,Module still has deployment capability.
故障诊断码的运行条件	左侧前碰撞传感器 - 参数故障
release condition	Left Front Satellite Sensor - Parameter Fault
故障诊断码的判断条件	当连接不匹配的传感器时会检测到该故障系统会将传感器的数据和代码里的配置 ID 数据做对比，如果不一样则报错，包含传感器的类型之类的信息，为防止传感器本身的故障和插接了错误的传感器。
Failure criteria	Fault will be qualified if unmatched satellite is connected Remark: DTC will be reported when comparision is failed,the comparision will be done between the ID data from sensors and code including sensor information like sensor type etc,to avoid mounting the defected sensors or wrong sensors.
故障治愈条件	使用匹配的传感器
healing condition	install correct satellite

故障码 DTC	B0091
故障码描述	左侧前碰撞传感器 - 对地短路
DTC Description	Left Front Satellite Sensor - HW line leak to GND
故障发生的可能原因	左侧前碰撞传感器 - 对地短路
Possible Cause	Left Front Satellite Sensor - HW line leak to GND
检查项目	1、检查相关线束
Check Items	1、 Check related wiring harness
可能的影响	安全气囊故障灯亮，不具备点爆气囊功能
Possible Symptom	Airbag Warning Lamp ON,Module still has deployment capability.
故障诊断码的运行条件	左侧前碰撞传感器 - 对地短路
release condition	Left Front Satellite Sensor - HW line leak to GND
故障诊断码的判断条件	传感器针脚对地泄露
Failure criteria	Satellite pin leakaged to Ground
故障治愈条件	移除对地泄露
healing condition	remove Leakage to Ground

故障码 DTC	B0091
故障码描述	左侧前碰撞传感器 - 对电源短路
DTC Description	Left Front Satellite Sensor - HW line leak to VBAT
故障发生的可能原因	左侧前碰撞传感器 - 对电源短路
Possible Cause	Left Front Satellite Sensor - HW line leak to VBAT
检查项目	1、检查相关线束
Check Items	1、 Check related wiring harness
可能的影响	安全气囊故障灯亮，不具备点爆气囊功能
Possible Symptom	Airbag Warning Lamp ON,Module still has deployment capability.
故障诊断码的运行条件	左侧前碰撞传感器 - 对电源短路
release condition	Left Front Satellite Sensor - HW line leak to VBAT
故障诊断码的判断条件	传感器针脚对电源泄露
Failure criteria	Satellite pin leakaged to Battery
故障治愈条件	移除对电源泄露
healing condition	remove Leakage to Battery

故障码 DTC	B0091
故障码描述	左侧侧碰传感器 - 内部故障
DTC Description	Left Side Satellite Sensor - Internal Fault
故障发生的可能原因	左侧侧碰传感器 - 内部故障
Possible Cause	Left Side Satellite Sensor - Internal Fault
检查项目	1、重新点火 2、替换传感器
Check Items	1、 Re-Ignition 2、 Replace Sensor
可能的影响	安全气囊故障灯亮，不具备点爆气囊功能
Possible Symptom	Airbag Warning Lamp ON,Module still has deployment capability.
故障诊断码的运行条件	左侧侧碰传感器 - 内部故障
release condition	Left Side Satellite Sensor - Internal Fault
故障诊断码的判断条件	传感器具备自检功能：一旦检测到故障，传感器将报出该故障
Failure criteria	Satellite sensor detected internal fault
故障治愈条件	更换外部传感器
healing condition	replace satellite sensor

故障码 DTC	B0091
故障码描述	左侧侧碰撞传感器 - 通信丢失
DTC Description	Left Side Satellite Sensor - Lost Communication
故障发生的可能原因	左侧侧碰撞传感器 - 通信丢失
Possible Cause	Left Side Satellite Sensor - Lost Communication
检查项目	1、检查相关线束
Check Items	1、 Check related wiring harness
可能的影响	安全气囊故障灯亮，不具备点爆气囊功能
Possible Symptom	Airbag Warning Lamp ON,Module still has deployment capability.
故障诊断码的运行条件	左侧侧碰撞传感器 - 通信丢失
release condition	Left Side Satellite Sensor - Lost Communication
故障诊断码的判断条件	外部传感器未连接或线束开路
Failure criteria	No satellite sensor or harness open
故障治愈条件	正确连接传感器
healing condition	Connect correct satellite sensor

故障码 DTC	B0091
故障码描述	左侧侧碰撞传感器 - 发送数据失效
DTC Description	Left Side Satellite Sensor – transmitted data invalid
故障发生的可能原因	左侧侧碰撞传感器 - 发送数据失效
Possible Cause	Left Side Satellite Sensor – transmitted data invalid
检查项目	1、检查通信线路 , 安装正确的传感器 Check connection,mountain the correct sensor
Check Items	1、 Check connection,mountain the correct sensor
可能的影响	安全气囊故障灯亮，不具备点爆气囊功能
Possible Symptom	Airbag Warning Lamp ON,Module still has deployment capability.
故障诊断码的运行条件	左侧侧碰撞传感器 - 发送数据失效
release condition	Left Side Satellite Sensor – transmitted data invalid
故障诊断码的判断条件	任何通信错误会导致该故障，例如错误数据帧，错误数据帧长等
Failure criteria	Satellite sensor communication fault like wrong data frame， wrong data frame length etc.
故障治愈条件	安装正确的传感器
healing condition	Connect correct satellite sensor

故障码 DTC	B0090
故障码描述	左侧侧碰撞传感器 - 配置错误
DTC Description	Left Side Satellite Sensor - Incompatible Configuration
故障发生的可能原因	左侧侧碰撞传感器 - 配置错误
Possible Cause	Left Side Satellite Sensor - Incompatible Configuration
检查项目	1、安装正确的传感器
Check Items	1、 Mountain the correct sensor
可能的影响	安全气囊故障灯亮，不具备点爆气囊功能
Possible Symptom	Airbag Warning Lamp ON,Module still has deployment capability.
故障诊断码的运行条件	左侧侧碰撞传感器 - 配置错误
release condition	Left Side Satellite Sensor - Incompatible Configuration
故障诊断码的判断条件	未配置但是连接了错误的传感器
Failure criteria	Unexpected satellite sensor is detected
故障治愈条件	安装正确的传感器
healing condition	Connect correct satellite sensor

故障码 DTC	B0091
故障码描述	左侧侧碰撞传感器 - 参数故障
DTC Description	Left Side Satellite Sensor - Parameter Fault
故障发生的可能原因	左侧侧碰撞传感器 - 参数故障
Possible Cause	Left Side Satellite Sensor - Parameter Fault
检查项目	1、替换传感器
Check Items	1、 Replace Sensor
可能的影响	安全气囊故障灯亮，不具备点爆气囊功能
Possible Symptom	Airbag Warning Lamp ON,Module still has deployment capability.
故障诊断码的运行条件	左侧侧碰撞传感器 - 参数故障
release condition	Left Side Satellite Sensor - Parameter Fault
故障诊断码的判断条件	当连接不匹配的传感器时会检测到该故障系统会将传感器的数据和代码里的配置 ID 数据做对比，如果不一样则报错，包含传感器的类型之类的信息，为防止传感器本身的故障和插接了错误的传感器。
Failure criteria	Fault will be qualified if unmatched satellite is connected Remark: DTC will be reported when comparision is failed,the comparision will be done between the ID data from sensors and code including sensor information like sensor type etc,to avoid mounting the defected sensors or wrong sensors.
故障治愈条件	使用匹配的传感器
healing condition	install correct satellite

故障码 DTC	B0090
故障码描述	左侧侧碰撞传感器 - 对地短路
DTC Description	Left Side Satellite Sensor - HW line leak to GND
故障发生的可能原因	左侧侧碰撞传感器 - 对地短路
Possible Cause	Left Side Satellite Sensor - HW line leak to GND
检查项目	1、检查相关线束
Check Items	1、 Check related wiring harness
可能的影响	安全气囊故障灯亮，不具备点爆气囊功能
Possible Symptom	Airbag Warning Lamp ON,Module still has deployment capability.
故障诊断码的运行条件	左侧侧碰撞传感器 - 对地短路
release condition	Left Side Satellite Sensor - HW line leak to GND
故障诊断码的判断条件	传感器针脚对地泄露
Failure criteria	Satellite pin leakaged to Ground
故障治愈条件	移除对地泄露
healing condition	remove Leakage to Ground

故障码 DTC	B0090
故障码描述	左侧侧碰撞传感器 - 对电源短路
DTC Description	Left Side Satellite Sensor - HW line leak to VBAT
故障发生的可能原因	左侧侧碰撞传感器 - 对电源短路
Possible Cause	Left Side Satellite Sensor - HW line leak to VBAT
检查项目	1、检查相关线束
Check Items	1、 Check related wiring harness
可能的影响	安全气囊故障灯亮，不具备点爆气囊功能
Possible Symptom	Airbag Warning Lamp ON,Module still has deployment capability.
故障诊断码的运行条件	左侧侧碰撞传感器 - 对电源短路
release condition	Left Side Satellite Sensor - HW line leak to VBAT
故障诊断码的判断条件	传感器针脚对电源泄露
Failure criteria	Satellite pin leakaged to Battery
故障治愈条件	移除对电源泄露
healing condition	remove Leakage to Battery

故障码 DTC	B0096
故障码描述	右侧侧碰传感器 - 内部故障
DTC Description	Right Side Satellite Sensor - Internal Fault
故障发生的可能原因	右侧侧碰传感器 - 内部故障
Possible Cause	Right Side Satellite Sensor - Internal Fault
检查项目	1、重新点火 2、替换传感器
Check Items	1、 Re-Ignition 2、 Replace Sensor
可能的影响	安全气囊故障灯亮，不具备点爆气囊功能
Possible Symptom	Airbag Warning Lamp ON,Module still has deployment capability.
故障诊断码的运行条件	右侧侧碰传感器 - 内部故障
release condition	Right Side Satellite Sensor - Internal Fault
故障诊断码的判断条件	传感器具备自检功能：一旦检测到故障，传感器将报出该故障
Failure criteria	Satellite sensor detected internal fault
故障治愈条件	更换外部传感器
healing condition	replace satellite sensor

故障码 DTC	B0096
故障码描述	右侧侧碰撞传感器 - 通信丢失
DTC Description	Right Side Satellite Sensor - Lost Communication
故障发生的可能原因	右侧侧碰撞传感器 - 通信丢失
Possible Cause	Right Side Satellite Sensor - Lost Communication
检查项目	1、检查相关线束
Check Items	1、 Check related wiring harness
可能的影响	安全气囊故障灯亮，不具备点爆气囊功能
Possible Symptom	Airbag Warning Lamp ON,Module still has deployment capability.
故障诊断码的运行条件	右侧侧碰撞传感器 - 通信丢失
release condition	Right Side Satellite Sensor - Lost Communication
故障诊断码的判断条件	外部传感器未连接或线束开路
Failure criteria	No satellite sensor or harness open
故障治愈条件	正确连接传感器
healing condition	Connect correct satellite sensor

故障码 DTC	B0096
故障码描述	右侧侧碰撞传感器 - 发送数据失效
DTC Description	Right Side Satellite Sensor – transmitted data invalid
故障发生的可能原因	右侧侧碰撞传感器 - 发送数据失效
Possible Cause	Right Side Satellite Sensor – transmitted data invalid
检查项目	1、检查通信线路 , 安装正确的传感器
Check Items	1、 Check connection,mountain the correct sensor
可能的影响	安全气囊故障灯亮，不具备点爆气囊功能
Possible Symptom	Airbag Warning Lamp ON,Module still has deployment capability.
故障诊断码的运行条件	右侧侧碰撞传感器 - 发送数据失效
release condition	Right Side Satellite Sensor – transmitted data invalid
故障诊断码的判断条件	任何通信错误会导致该故障，例如错误数据帧，错误数据帧长等
Failure criteria	Satellite sensor communication fault like wrong data frame， wrong data frame length etc.
故障治愈条件	安装正确的传感器
healing condition	Connect correct satellite sensor

故障码 DTC	B0095
故障码描述	右侧侧碰撞传感器 - 配置错误
DTC Description	Right Side Satellite Sensor - Incompatible Configuration
故障发生的可能原因	右侧侧碰撞传感器 - 配置错误
Possible Cause	Right Side Satellite Sensor - Incompatible Configuration
检查项目	1、安装正确的传感器
Check Items	1、 Mountain the correct sensor
可能的影响	安全气囊故障灯亮，不具备点爆气囊功能
Possible Symptom	Airbag Warning Lamp ON,Module still has deployment capability.
故障诊断码的运行条件	右侧侧碰撞传感器 - 配置错误
release condition	Right Side Satellite Sensor - Incompatible Configuration
故障诊断码的判断条件	未配置但是连接了错误的传感器
Failure criteria	Unexpected satellite sensor is detected.
故障治愈条件	安装正确的传感器
healing condition	Connect correct satellite sensor

故障码 DTC	B0096
故障码描述	右侧侧碰撞传感器 - 参数故障
DTC Description	Right Side Satellite Sensor - Parameter Fault
故障发生的可能原因	右侧侧碰撞传感器 - 参数故障
Possible Cause	Right Side Satellite Sensor - Parameter Fault
检查项目	1、替换传感器
Check Items	1、 Replace Sensor
可能的影响	安全气囊故障灯亮，不具备点爆气囊功能
Possible Symptom	Airbag Warning Lamp ON,Module still has deployment capability.
故障诊断码的运行条件	右侧侧碰撞传感器 - 参数故障
release condition	Right Side Satellite Sensor - Parameter Fault
故障诊断码的判断条件	当连接不匹配的传感器时会检测到该故障系统会将传感器的数据和代码里的配置 ID 数据做对比，如果不一样则报错，包含传感器的类型之类的信息，为防止传感器本身的故障和插接了错误的传感器。
Failure criteria	Fault will be qualified if unmatched satellite is connected Remark: DTC will be reported when comparision is failed,the comparision will be done between the ID data from sensors and code including sensor information like sensor type etc,to avoid mounting the defected sensors or wrong sensors.
故障治愈条件	使用匹配的传感器
healing condition	install correct satellite

故障码 DTC	B0095
故障码描述	右侧侧碰撞传感器 - 对地短路
DTC Description	Right Side Satellite Sensor - HW line leak to GND
故障发生的可能原因	右侧侧碰撞传感器 - 对地短路
Possible Cause	Right Side Satellite Sensor - HW line leak to GND
检查项目	1、检查相关线束
Check Items	1、 Check related wiring harness
可能的影响	安全气囊故障灯亮，不具备点爆气囊功能
Possible Symptom	Airbag Warning Lamp ON,Module still has deployment capability.
故障诊断码的运行条件	右侧侧碰撞传感器 - 对地短路
release condition	Right Side Satellite Sensor - HW line leak to GND
故障诊断码的判断条件	传感器针脚对地泄露
Failure criteria	Satellite pin leakaged to Ground
故障治愈条件	移除对地泄露
healing condition	remove Leakage to Ground

故障码 DTC	B0095
故障码描述	右侧侧碰撞传感器 - 对电源短路
DTC Description	Right Side Satellite Sensor - HW line leak to VBAT
故障发生的可能原因	右侧侧碰撞传感器 - 对电源短路
Possible Cause	Right Side Satellite Sensor - HW line leak to VBAT
检查项目	1、检查相关线束
Check Items	1、 Check related wiring harness
可能的影响	安全气囊故障灯亮，不具备点爆气囊功能
Possible Symptom	Airbag Warning Lamp ON,Module still has deployment capability.
故障诊断码的运行条件	右侧侧碰撞传感器 - 对电源短路
release condition	Right Side Satellite Sensor - HW line leak to VBAT
故障诊断码的判断条件	传感器针脚对电源泄露
Failure criteria	Satellite pin leakaged to Battery
故障治愈条件	移除对电源泄露
healing condition	remove Leakage to Battery

故障码 DTC	B00DF
故障码描述	副驾驶气囊禁用开关 - 对地短路
DTC Description	Passenger Airbag Disable Switch - Shorted to Ground
故障发生的可能原因	副驾驶气囊禁用开关 - 对地短路
Possible Cause	Passenger Airbag Disable Switch - Shorted to Ground
检查项目	1、检查相关线束 2、检查副驾驶气囊禁用开关
Check Items	1、 Check related wiring harness 2、 Check PAD Switch
可能的影响	安全气囊故障灯亮，不具备点爆气囊功能
Possible Symptom	Airbag Warning Lamp ON,Module still has deployment capability.
故障诊断码的运行条件	副驾驶气囊禁用开关 - 对地短路
release condition	Passenger Airbag Disable Switch - Shorted to Ground
故障诊断码的判断条件	短路电阻值 <1400 欧时故障被检出 , 短路电阻值 <9980 欧时故障可能被检出
Failure criteria	Fault will be qualified if leakaged resistance is below 1400ohm, fault maybe qualified if leakaged resistance is below 9980ohm.
故障治愈条件	开关电阻值 >1400 欧时故障可能消失 , 开关电阻值 >9842 欧时故障消失
healing condition	Fault maybe recovered if leakaged resistance is above 1400ohm, fault will be recovered if leakaged resistance is above 9842ohm.

故障码 DTC	B00DF
故障码描述	副驾驶气囊禁用开关 - 对电池短路
DTC Description	Passenger Airbag Disable Switch - Shorted to Battery
故障发生的可能原因	副驾驶气囊禁用开关 - 对电池短路
Possible Cause	Passenger Airbag Disable Switch - Shorted to Battery
检查项目	1、检查相关线束 2、检查副驾驶气囊禁用开关
Check Items	1、 Check related wiring harness 2、 Check PAD Switch
可能的影响	安全气囊故障灯亮，不具备点爆气囊功能
Possible Symptom	Airbag Warning Lamp ON,Module still has deployment capability.
故障诊断码的运行条件	副驾驶气囊禁用开关 - 对电池短路
release condition	Passenger Airbag Disable Switch - Shorted to Battery
故障诊断码的判断条件	短路电阻值 <1517 欧时故障被检出 , 短路电阻值 <20600 欧时故障可能被检出
Failure criteria	Fault will be qualified if leakaged resistance is below 1517ohm, fault maybe qualified if leakaged resistance is below20600ohm.
故障治愈条件	开关电阻值 >1517 欧时故障可能消失 , 开关电阻值 >20600 欧时故障消失
healing condition	Fault maybe recovered if leakaged resistance is above 1517ohm, fault will be recovered if leakaged resistance is above 20600ohm.

故障码 DTC	B00DF
故障码描述	副驾驶气囊禁用开关 - 开路
DTC Description	Passenger Airbag Disable Switch - Open
故障发生的可能原因	副驾驶气囊禁用开关 - 开路
Possible Cause	Passenger Airbag Disable Switch - Open
检查项目	1、检查相关线束 2、检查副驾驶气囊禁用开关
Check Items	1、 Check related wiring harness 2、 Check PAD Switch
可能的影响	安全气囊故障灯亮，不具备点爆气囊功能
Possible Symptom	Airbag Warning Lamp ON,Module still has deployment capability.
故障诊断码的运行条件	副驾驶气囊禁用开关 - 开路
release condition	Passenger Airbag Disable Switch - Open
故障诊断码的判断条件	开关电阻值 >1586 欧时故障被检出 , 开关电阻值 >1080 欧时故障可能被检出
Failure criteria	Fault will be qualified if resistance is above 1586ohm, fault maybe qualified if resistance is above 1080ohm.
故障治愈条件	开关电阻值 <1586 欧时故障可能消失 , 开关电阻值 <1080 欧时故障消失
healing condition	Fault maybe recovered if resistance is below 1586ohm, fault will be recovered if resistance is below 1080ohm.

故障码 DTC	B00DF
故障码描述	副驾驶气囊禁用开关 - 配置错误
DTC Description	Passenger Airbag Disable Switch - Incompatible Configuration
故障发生的可能原因	副驾驶气囊禁用开关 - 配置错误
Possible Cause	Passenger Airbag Disable Switch - Incompatible Configuration
检查项目	1、检查相关线束 2、副驾驶气囊禁用开关 3、检查配置
Check Items	1、 Check related wiring harness 2、 Check PAD Switch 3、 Check configuration
可能的影响	安全气囊故障灯亮，不具备点爆气囊功能
Possible Symptom	Airbag Warning Lamp ON,Module still has deployment capability.
故障诊断码的运行条件	副驾驶气囊禁用开关 - 配置错误
release condition	Passenger Airbag Disable Switch - Incompatible Configuration
故障诊断码的判断条件	a) 安装了不应被配置的开关 b) 开关不存在，但相应管脚存在对电源或地的泄露
Failure criteria	a) detect unexpected switch b)detect pin leakage resistance
故障治愈条件	a) 移除错误连接开关 b) 相应管脚不存在对电源或地的泄露
healing condition	remove wrong switch or remove pin leakage resistance,

故障码 DTC	B193A
故障码描述	硬线碰撞输出 - 对地短路或开路
DTC Description	Hardwired Crash Out - Shorted to Ground or Open
故障发生的可能原因	硬线碰撞输出 - 对地短路或开路
Possible Cause	Hardwired Crash Out - Shorted to Ground or Open
检查项目	1、检查相关线束
Check Items	1、 Check related wiring harness
可能的影响	安全气囊故障灯亮，不具备点爆气囊功能
Possible Symptom	Airbag Warning Lamp ON,Module still has deployment capability.
故障诊断码的运行条件	硬线碰撞输出 - 对地短路或开路
release condition	Hardwired Crash Out - Shorted to Ground or Open
故障诊断码的判断条件	短路电阻值 <1201 欧时或者外部负载开路故障被检出 , 短路电阻值 <8886 欧时故障可能被检出
Failure criteria	Fault will be qualified if leakaged resistance is below 1201ohm, fault maybe qualified if leakaged resistance is below 8886ohm.
故障治愈条件	短路电阻值 >1201 欧时故障可能消失 , 短路电阻值 >8886 欧时故障消失
healing condition	Fault maybe recovered if leakaged resistance is above 1201ohm, fault will be recovered if leakaged resistance is above 8886ohm.

故障码 DTC	B193A
故障码描述	硬线碰撞输出 - 对电池短路
DTC Description	Hardwired Crash Out - Shorted to Battery
故障发生的可能原因	硬线碰撞输出 - 对电池短路
Possible Cause	Hardwired Crash Out - Shorted to Battery
检查项目	1、检查相关线束
Check Items	1、 Check related wiring harness
可能的影响	安全气囊故障灯亮，不具备点爆气囊功能
Possible Symptom	Airbag Warning Lamp ON,Module still has deployment capability.
故障诊断码的运行条件	硬线碰撞输出 - 对电池短路
release condition	Hardwired Crash Out - Shorted to Battery
故障诊断码的判断条件	短路电阻值 <21 欧时故障被检出 , 短路电阻值 <153 欧时故障可能被检出
Failure criteria	Fault will be qualified if leakaged resistance is below 21ohm, fault maybe qualified if leakaged resistance is below 153ohm.
故障治愈条件	短路电阻值 >21 欧时故障可能消失 , 短路电阻值 >153 欧时故障消失
healing condition	Fault maybe recovered if leakaged resistance is above 21ohm, fault will be recovered if leakaged resistance is above 153ohm.

故障码 DTC	B193E
故障码描述	起爆数据记录满 : 没有可写空间
DTC Description	Deployment Data Record Full: No over-write-able records exist
故障发生的可能原因	起爆数据记录满 : 没有可写空间
Possible Cause	Deployment Data Record Full: No over-write-able records exist
检查项目	替换气囊控制器
Check Items	Replace Airbag ECU
可能的影响	安全气囊故障灯亮，不具备点爆气囊功能
Possible Symptom	Airbag Warning Lamp ON,Module still has deployment capability.
故障诊断码的运行条件	起爆数据记录满 : 没有可写空间
release condition	Deployment Data Record Full: No over-write-able records exist
故障诊断码的判断条件	碰撞事件记录满
Failure criteria	EDR storage is full
故障治愈条件	更换
healing condition	ACUReplace SDM

故障码 DTC	B1932
故障码描述	存在正面起爆数据记录
DTC Description	Frontal Deployment Data Record exist
故障发生的可能原因	存在正面起爆数据记录
Possible Cause	Frontal Deployment Data Record exist
检查项目	替换气囊控制器
Check Items	Replace Airbag ECU
可能的影响	安全气囊故障灯亮，不具备点爆气囊功能
Possible Symptom	Airbag Warning Lamp ON,Module still has deployment capability.
故障诊断码的运行条件	存在正面起爆数据记录
release condition	Frontal Deployment Data Record exist
故障诊断码的判断条件	正面起爆数据写入 EEPROM
Failure criteria	Frontal Deployment Data Record completely written into EEPROM
故障治愈条件	更换 ACU
healing condition	Replace SDM

故障码 DTC	B1933
故障码描述	存在侧面起爆数据记录
DTC Description	Side Deployment Data Record exist
故障发生的可能原因	存在侧面起爆数据记录
Possible Cause	Side Deployment Data Record exist
检查项目	替换气囊控制器
Check Items	Replace Airbag ECU
可能的影响	安全气囊故障灯亮，不具备点爆气囊功能
Possible Symptom	Airbag Warning Lamp ON,Module still has deployment capability.
故障诊断码的运行条件	存在侧面起爆数据记录
release condition	Side Deployment Data Record exist
故障诊断码的判断条件	驾驶侧面起爆数据写入 EEPROM
Failure criteria	Frontal Deployment Data Record completely written into EEPROM
故障治愈条件	更换 ACU
healing condition	Replace SDM

故障码 DTC	B1934
故障码描述	存在后面起爆数据记录
DTC Description	Rear Deployment Data Record exist
故障发生的可能原因	存在后面起爆数据记录
Possible Cause	Rear Deployment Data Record exist
检查项目	替换气囊控制器
Check Items	Replace Airbag ECU
可能的影响	安全气囊故障灯亮，不具备点爆气囊功能
Possible Symptom	Airbag Warning Lamp ON,Module still has deployment capability.
故障诊断码的运行条件	存在后面起爆数据记录
release condition	Rear Deployment Data Record exist
故障诊断码的判断条件	后面起爆数据写入 EEPROM
Failure criteria	Rear Deployment Data Record completely written into EEPROM
故障治愈条件	更换 ACU
healing condition	Replace SDM

故障码 DTC	U0073
故障码描述	高速 CAN 总线关闭
DTC Description	Control Module Communication Bus Off Supplemental Restraint System Diagnostic Module
故障发生的可能原因	高速 CAN 总线关闭
Possible Cause	Control Module Communication Bus Off Supplemental Restraint System Diagnostic Module
检查项目	检查 SDM 连接
Check Items	Check SDM connection
可能的影响	安全气囊故障灯亮，不具备点爆气囊功能
Possible Symptom	Airbag Warning Lamp ON,Module still has deployment capability.
故障诊断码的运行条件	高速 CAN 总线关闭
release condition	Control Module Communication Bus Off Supplemental Restraint System Diagnostic Module
故障诊断码的判断条件	CAN High 与 CAN Low 短接 / CAN High 接地 / CAN Low 接电源
Failure criteria	CAN High and CAN Low shot linked / CAN High shot to GND / CAN Low shot to battery
故障治愈条件	恢复 CAN 通信线路
healing condition	Recover CAN communication line

故障码 DTC	U0146
故障码描述	与 Gateway 通信丢失 (0x1F1)
DTC Description	Lost Communication With Gateway
故障发生的可能原因	与 Gateway 通信丢失 (0x1F1)
Possible Cause	Lost Communication With Gateway
检查项目	检查网关 GW 连接
Check Items	Check Gateway connection
可能的影响	安全气囊故障灯亮，不具备点爆气囊功能
Possible Symptom	Airbag Warning Lamp ON,Module still has deployment capability.
故障诊断码的运行条件	与 Gateway 通信丢失 (0x1F1)
release condition	Lost Communication With Gateway
故障诊断码的判断条件	未接到 Gateway 的信息 2s GW_HSC1_FrP01:System Power Mode
Failure criteria	when message from Gateway has not been received for 2s GW_HSC1_FrP01:System Power Mode
故障治愈条件	当连续收到 100 个周期此消息，此故障成为历史故障
healing condition	When the timeout can be recovered within 100 period of the frame, the DTC status Bit 0(testFailed) will be cleared

故障码 DTC	U1562
故障码描述	蓄电池电压高
DTC Description	Battery Voltage High
故障发生的可能原因	蓄电池电压高
Possible Cause	Battery Voltage High
检查项目	检查电池电源
Check Items	Check Battery Voltage
可能的影响	安全气囊故障灯亮，不具备点爆气囊功能
Possible Symptom	Airbag Warning Lamp ON,Module still has deployment capability.
故障诊断码的运行条件	蓄电池电压高
release condition	Battery Voltage High
故障诊断码的判断条件	电压 >19.5 伏故障被检出 电压 >16.5 伏故障可能被检出
Failure criteria	Fault will be qualified if voltage is above19.5V, fault maybe qualified if voltage is above 16.5V.
故障治愈条件	电压 <16 伏故障消失 电压 <19 伏故障可能消失
healing condition	Fault will be recoverd if voltage is below 16V, fault maybe recoverd if voltage is below 19V.

故障码 DTC	U1563
故障码描述	蓄电池电压低
DTC Description	Battery Voltage Low
故障发生的可能原因	蓄电池电压低
Possible Cause	Battery Voltage Low
检查项目	检查电池电源
Check Items	Check Battery Voltage
可能的影响	安全气囊故障灯亮，不具备点爆气囊功能
Possible Symptom	Airbag Warning Lamp ON,Module still has deployment capability.
故障诊断码的运行条件	蓄电池电压低
release condition	Battery Voltage Low
故障诊断码的判断条件	电压 <7.2 伏故障被检出 电压 <8.5 伏故障可能被检出
Failure criteria	Fault will be qualified if voltage is below 7.2V, fault maybe qualified if voltage is below 8.5V.
故障治愈条件	电压 >9 伏故障消失 电压 >7.7 伏故障可能消失
healing condition	Fault will be recoverd if voltage is above 9V, fault maybe recoverd if voltage is abvoe 7.7V.

故障码 DTC	B1938
故障码描述	PAB ON 灯 - 对地短路或开路
DTC Description	PAB ON LAMP -Short to GND or Open
故障发生的可能原因	PAB ON 灯 - 对地短路或开路
Possible Cause	PAB ON LAMP -Short to GND or Open
检查项目	1、 Check related wiring harness 2、 replace PAB Module
Check Items	1、 Check related wiring harness 2、 replace PAB Module
可能的影响	安全气囊故障灯亮，不具备点爆气囊功能
Possible Symptom	Airbag Warning Lamp ON,Module still has deployment capability.
故障诊断码的运行条件	PAB ON 灯 - 对地短路或开路
release condition	PAB ON LAMP -Short to GND or Open
故障诊断码的判断条件	泄露电阻值 <82 欧时故障被检出 , 泄露电阻值 <4805 欧时故障可能被检出
Failure criteria	Fault will be qualified if leakaged resistance is below 82ohm, fault maybe qualified if leakaged resistance is below 4805ohm.
故障治愈条件	泄露电阻值 >82 欧时故障可能消失 , 泄露电阻值 >4805 欧时故障消失
healing condition	Fault maybe recovered if leakaged resistance is above 99.6ohm, fault will be recovered if leakaged resistance is above 5501ohm.

故障码 DTC	B1938
故障码描述	PAB ON 灯 - 对电源短路
DTC Description	PAB ON Lamp -Short to Battery
故障发生的可能原因	PAB ON 灯 - 对电源短路
Possible Cause	PAB ON Lamp -Short to Battery
检查项目	1、检查相关线束 2、更换 PAB 显示模块
Check Items	1、 Check related wiring harness 2、 replace PAB Module
可能的影响	安全气囊故障灯亮，不具备点爆气囊功能
Possible Symptom	Airbag Warning Lamp ON,Module still has deployment capability.
故障诊断码的运行条件	PAB ON 灯 - 对电源短路
release condition	PAB ON Lamp -Short to Battery
故障诊断码的判断条件	泄露电阻值 <34 欧时故障被检出 , 泄露电阻值 <818 欧时故障可能被检出
Failure criteria	Fault will be qualified if leakaged resistance is below 34ohm, fault maybe qualified if leakaged resistance is below 818ohm.
故障治愈条件	泄露电阻值 >34 欧时故障可能消失 , 泄露电阻值 >818 欧时故障消失
healing condition	Fault maybe recovered if leakaged resistance is above 34ohm, fault will be recovered if leakaged resistance is above 818ohm.

故障码 DTC	B1939
故障码描述	PAB OFF 灯 - 对地短路或开路
DTC Description	PAB OFF Lamp -Short to GND or Open
故障发生的可能原因	PAB OFF 灯 - 对地短路或开路
Possible Cause	PAB OFF Lamp -Short to GND or Open
检查项目	1、检查相关线束 2、更换 PAB 显示模块
Check Items	1、 Check related wiring harness 2、 replace PAB Module
可能的影响	安全气囊故障灯亮，不具备点爆气囊功能
Possible Symptom	Airbag Warning Lamp ON,Module still has deployment capability.
故障诊断码的运行条件	PAB OFF 灯 - 对地短路或开路
release condition	PAB OFF Lamp -Short to GND or Open
故障诊断码的判断条件	泄露电阻值 <99.6 欧时故障被检出 , 泄露电阻值 <5501 欧时故障可能被检出
Failure criteria	Fault will be qualified if leakaged resistance is below 99.6ohm, fault maybe qualified if leakaged resistance is below 5501ohm.
故障治愈条件	泄露电阻值 >99.6 欧时故障可能消失 , 泄露电阻值 >5501 欧时故障消失
healing condition	Fault maybe recovered if leakaged resistance is above 99.6ohm, fault will be recovered if leakaged resistance is above 5501ohm.

故障码 DTC	B1939
故障码描述	PAB OFF 灯 - 对电源短路
DTC Description	PAB OFF Lamp -Short to Battery
故障发生的可能原因	PAB OFF 灯 - 对电源短路
Possible Cause	PAB OFF Lamp -Short to Battery
检查项目	1、检查相关线束 2、更换 PAB 显示模块
Check Items	1、 Check related wiring harness 2、 replace PAB Module
可能的影响	安全气囊故障灯亮，不具备点爆气囊功能
Possible Symptom	Airbag Warning Lamp ON,Module still has deployment capability.
故障诊断码的运行条件	PAB OFF 灯 - 对电源短路
release condition	PAB OFF Lamp -Short to Battery
故障诊断码的判断条件	泄露电阻值 <27.7 欧时故障被检出 , 泄露电阻值 <210 欧时故障可能被检出
Failure criteria	Fault will be qualified if leakaged resistance is below 27.7ohm, fault maybe qualified if leakaged resistance is below 210ohm.
故障治愈条件	泄露电阻值 >27.7 欧时故障可能消失 , 泄露电阻值 >210 欧时故障消失
healing condition	Fault maybe recovered if leakaged resistance is above 27.7ohm, fault will be recovered if leakaged resistance is above 210ohm.

故障码 DTC	B1921
故障码描述	被动 (辅助) 约束系统诊断模块 内部故障
DTC Description	Supplemental Restraint System Diagnostic Module Internal Fault
故障发生的可能原因	被动 (辅助) 约束系统诊断模块 内部故障
Possible Cause	Supplemental Restraint System Diagnostic Module Internal Fault
检查项目	
Check Items	eplace SDM
可能的影响	安全气囊故障灯亮，不具备点爆气囊功能
Possible Symptom	Airbag Warning Lamp ON,Module still has deployment capability.
故障诊断码的运行条件	被动 (辅助) 约束系统诊断模块 内部故障
release condition	Supplemental Restraint System Diagnostic Module Internal Fault
故障诊断码的判断条件	电容故障， ACU reset，内部 sensor 故障， HW safing 故障，内部测试点电压故障， Memory 故障 （ROM， RAM，FLASH），参数 CRC 故障， Satellite 与芯片接口故障
Failure criteria	Capicity fault,ACU reset,internal sensor fault,HW safing fault,internal test spot voltage fault,memory fault(ROM,RAM,FLASH),parameter CRC fault,Satellite interface fault
故障治愈条件	更换 ACU
healing condition	Replace SDM

故障码 DTC	B1922
故障码描述	点火回路串联故障
DTC Description	Fire loops crosslink detected
故障发生的可能原因	点火回路串联故障
Possible Cause	Fire loops crosslink detected
检查项目	
Check Items	Remove crosslink
可能的影响	安全气囊故障灯亮，不具备点爆气囊功能
Possible Symptom	Airbag Warning Lamp ON,Module still has deployment capability.
故障诊断码的运行条件	点火回路串联故障
release condition	Fire loops crosslink detected
故障诊断码的判断条件	点火回路之间串联
Failure criteria	Crosslink happens between fire loops
故障治愈条件	检查电路，移除搭接
healing condition	Remove crosslink

故障码 DTC	B1923
故障码描述	碰撞传感器串联故障
DTC Description	Impact sensor crosslink detected
故障发生的可能原因	碰撞传感器串联故障
Possible Cause	Impact sensor crosslink detected
检查项目	
Check Items	Remove crosslink
可能的影响	安全气囊故障灯亮，不具备点爆气囊功能
Possible Symptom	Airbag Warning Lamp ON,Module still has deployment capability.
故障诊断码的运行条件	碰撞传感器串联故障
release condition	Impact sensor crosslink detected
故障诊断码的判断条件	传感器之间发生串联
Failure criteria	Crosslink happens between impact sensors
故障治愈条件	检查电路，移除搭接
healing condition	Remove crosslink

故障码 DTC	B1924
故障码描述	前碰 / 侧碰传感器配置与标定参数不匹配
DTC Description	Front/Side impact sensor configuration mismatch with CAL parameter
故障发生的可能原因	前碰 / 侧碰传感器配置与标定参数不匹配
Possible Cause	Front/Side impact sensor configuration mismatch with CAL parameter
检查项目	根据车辆实际情况： 更改为正确的前碰传感器配置字 或者刷新为正确的标定参数，从而保证两者匹配。
Check Items	According to vehicle configuration: modify the ECS configuration or flash the right calibration parameter to make two match.
可能的影响	安全气囊故障灯亮，不具备点爆气囊功能
Possible Symptom	Airbag Warning Lamp ON,Module still has deployment capability.
故障诊断码的运行条件	前碰 / 侧碰传感器配置与标定参数不匹配
release condition	Front/Side impact sensor configuration mismatch with CAL parameter
故障诊断码的判断条件	SDM 配置字为有前碰传感器，标定参数为不支持前碰传感器，此为两者不匹配 . SDM 配置字为无前碰传感器，标定参数支为持前碰传感器，此为两者不匹配。
Failure criteria	Mismatch:Front sensor is configured,calibration parameter doesn't support front sensor. Match:Front sensor is not configured,calibration parameter support front sensor.
故障治愈条件	SDM 配置字为有前碰传感器，标定参数也需支持带前碰传感器，此为两者匹配 . SDM 配置字为无前碰传感器，标定参数支持无前碰传感器，此为两者匹配。
healing condition	Match:Front sensor is not configured,calibration parameter doesn't support front sensor. Or front sensor is configured,calibration parameter support front sensor.

故障码 DTC	B1925
故障码描述	故障信息存储空间溢出
DTC Description	Fault Information storage memory is full
故障发生的可能原因	故障信息存储空间溢出
Possible Cause	Fault Information storage memory is full
检查项目	诊断仪清除故障
Check Items	Clear DTC
可能的影响	安全气囊故障灯亮，不具备点爆气囊功能
Possible Symptom	Airbag Warning Lamp ON,Module still has deployment capability.
故障诊断码的运行条件	故障信息存储空间溢出
release condition	Fault Information storage memory is full
故障诊断码的判断条件	故障信息存储空间溢出
Failure criteria	Fault Information storage memory is full
故障治愈条件	存储故障空间已释放
healing condition	fault information storage memory is release

故障码 DTC	B1926
故障码描述	被动 (辅助) 约束系统诊断模块内部电压超出范围
DTC Description	Supplemental Restraint System Diagnostic Module Internal Voltage Out of Range
故障发生的可能原因	被动 (辅助) 约束系统诊断模块内部电压超出范围
Possible Cause	Supplemental Restraint System Diagnostic Module Internal Voltage Out of Range
检查项目	检查电池电源
Check Items	Check Battery Voltage
可能的影响	安全气囊故障灯亮，不具备点爆气囊功能
Possible Symptom	Airbag Warning Lamp ON,Module still has deployment capability.
故障诊断码的运行条件	被动 (辅助) 约束系统诊断模块内部电压超出范围
release condition	Supplemental Restraint System Diagnostic Module Internal Voltage Out of Range
故障诊断码的判断条件	1. 高于上限情况 电压 >19.5 伏故障被检出 电压 >16.5 伏故障可能被检出 Note: 经常温常压下测试，大于 17.6V 左右时，故障可被检出。 2. 低于下限情况 电压 <7.2 伏故障被检出 电压 <8.5 伏故障可能被检出 Note: 经 常温常压下测试，小于 8.0V 左右时，故障可被检出。
Failure criteria	1.Fault will be qualified if voltage is above19.5V, fault maybe qualified if voltage is above 16.5V. 2.Fault will be qualified if voltage is below 7.2V, fault maybe qualified if voltage is below 8.5V.
故障治愈条件	1. 高于上限情况 电压 <16 伏故障消失 电压 <19 伏故障可能消失 2. 低于下限情况 电压 >9 伏故障消失 电压 >7.7 伏故障可能消失

故障码 DTC	B1926
healing condition	1、 Fault will be recoverd if voltage is below 16V, fault maybe recoverd if voltage is below 19V. 2、 Fault will be recoverd if voltage is above 9V, fault maybe recoverd if voltage is abvoe 7.7V.

故障码 DTC	B1927
故障码描述	起爆回路内部故障
DTC Description	Fire Loop Internal Fault
故障发生的可能原因	起爆回路内部故障
Possible Cause	Fire Loop Internal Fault
检查项目	1、检查相关线束 2、检查是否有外部电子干扰 3、更换气囊控制器
Check Items	1、 Check related wiring harness 2、 Check external electrical disturbance 3、 Replace SDM
可能的影响	安全气囊故障灯亮，不具备点爆气囊功能
Possible Symptom	Airbag Warning Lamp ON,Module still has deployment capability.
故障诊断码的运行条件	起爆回路内部故障
release condition	Fire Loop Internal Fault
故障诊断码的判断条件	电路连接异常或有外部电子干扰或起爆电路内部存在故障
Failure criteria	Circuit abnormal connection or external electrical disturbance or fire loop circuit defect
故障治愈条件	电路恢复正常连接，外部电子干扰消除
healing condition	Circuit recover to normal connection and no external electrical disturbance

BMS 故障码及故障类型描述汇总

Description on the fault code and failure type

故障码 DTC	故障码描述	DTC Description
P0563	系统供电电压高	System power supply voltage is high
P0A7D	SOC 低 Warning 故障	SOC low warning failure
P1B16	CP 合理性故障	CP rationality failure
P1DD7	预留	Reserved
P1F01	CC 对地短路	CC short to ground
P1F02	CP 对电源短路	CP shorts the power supply
P1B15	CC 合理性故障	CC rationality failure
U019B	BMS 与 OBC 通讯超时	BMS and OBC communication timeout
P1F00	充电机内部故障	Internal fault of the charger
P1B2D	充电桩电流不可控	Charging pile current is uncontrollable
P1F03	CC2 对地短路故障	CC2 short circuit to ground
P1F04	CC2 合理性故障	CC2 reasonable fault
P1B2A	充电桩内部故障	Charging pile internal failure
P0A0A	HVIL 开路	HVIL open circuit
P0A7D	SOC 低 Alarm 故障	SOC low alarm failure
U1000	BMS 接收充电桩超时报文	BMS receives charging stub timeout message
U1001	直流充电 CAN Busoff	DC charging CAN Busoff
U1002	BMS 接收充电桩 CRM00 超时	BMS receives charging stub CRM00 timeout
U1003	BMS 接收充电桩 CRMAA 超时	BMS Receive Charging Pile CRMAA Timeout
U1004	BMS 接收充电桩 CTSCML 超时	BMS Receive Charging Pile CTSCML Timeout
U1005	BMS 接收充电桩 CRO 超时	BMS receives charging pile CRO timeout
U1006	BMS 接收充电桩 CCS 超时	BMS receives charging pile CCS timeout
PD007	BMS 接收充电桩 CST 超时	BMS receives charging stub CST timeout
PD008	BMS 接收充电桩 CSD 超时	BMS receives charging stub CSD timeout
P1B2E	快充枪正极温度传感器对电源短路或开路	Fast charge gun positive temperature sensor short circuit or open circuit
P1DF6	SOH 低 1 级故障	SOH low level 1 fault
P1B2F	快充枪正极温度传感器对地短路	Fast charge gun positive temperature sensor shorted to ground
P1B31	快充枪负极温度传感器对电源短路或开路	The fast charge gun negative temperature sensor is shorted or open to the power supply

故障码 DTC	故障码描述	DTC Description
P1B32	快充枪负极温度传感器对地短路	Fast charge gun negative temperature sensor shorted to ground
P1B19	慢充枪正极温度传感器对电源短路或开路	Slow-fill gun positive temperature sensor shorts or opens the power supply
P1B1A	慢充枪正极温度传感器对地短路	Slow charge gun positive temperature sensor shorted to ground
P1B1C	慢充枪负极温度传感器对电源短路或开路	Slow charge gun negative temperature sensor short circuit or open circuit
P1B1D	慢充枪负极温度传感器对地短路	Slow charge gun negative temperature sensor shorted to ground
P1B2B	直流充电桩充电能力不足	Insufficient charging capacity of DC charging pile
P1B14	交流充电机电流不可控	AC charger current is uncontrollable
P1B13	交流充电机充电能力不足	Insufficient charging capacity of AC charger
P1DF6	SOH 低 2 级故障	SOH low level 2 fault
P1DF2	慢充接口温度 1 级报警	Slow charging interface temperature level 1 alarm
P1DF2	慢充接口温度 2 级报警	Slow charging interface temperature level 2 alarm
P1DF2	慢充接口温度 3 级报警	Slow charging interface temperature level 3 alarm
P1DF3	快充接口温度过高 1 级故障	Fast charge interface temperature is too high, level 1 fault
P1DF3	快充接口温度过高 2 级故障	Fast charge interface temperature is too high 2 level fault
P1DF3	快充接口温度过高 3 级故障	Fast charge interface temperature is too high, level 3 fault
P1B49	加热膜温度异常	Abnormal heating film temperature
P1DFB	加热膜温度一级故障	Heating film temperature level failure
P1DFB	加热膜温度二级故障	Heating film temperature secondary failure
P1DFB	加热膜温度三级故障	Heating film temperature three-level failure
P1DF6	SOH 低 3 级故障	SOH low level 3 fault
P1B00	RTC 内部故障	RTC internal fault
P1B03	系统带载切断	System load cut
P0ADC	主正继电器驱动对电源短路	Main positive relay drive shorts the power supply
P0ADB	主正继电器驱动对地短路	Main positive relay drive short to ground
P0AD9	主正继电器驱动开路	Main positive relay drive open circuit

故障码 DTC	故障码描述	DTC Description
P0AE0	主负继电器驱动对电源短路	Main negative relay drive shorts to power supply
P0ADF	主负继电器驱动对地短路	Main negative relay drives short to ground
P0ADD	主负继电器驱动开路	Main negative relay drives open circuit
P0AE7	预充继电器驱动对电源短路	Precharge relay drive shorts the power supply
P0AE6	预充继电器驱动对地短路或开路	Precharge relay drives short to ground or open circuit
P1DF7	放电过功率 1 级故障	Discharge over power level 1 fault
P1B0C	交流继电器驱动对电源短路	AC relay drive shorts the power supply
P1B0D	交流继电器驱动对地短路或开路	AC relay drive short to ground or open circuit
P1B1F	直流正继电器驱动对电源短路	DC positive relay drive shorts the power supply
P1B20	直流正继电器驱动对地短路或开路	DC positive relay drives short to ground or open circuit
P1B24	直流负继电器驱动对电源短路	DC negative relay drive shorts to the power supply
P1B25	直流负继电器驱动对地短路或开路	DC negative relay drives short to ground or open circuit
P0E14	加热继电器驱动对电源短路	Heating relay drive shorts the power supply
P0E13	加热继电器驱动对地短路或开路	Heating relay drives short to ground or open circuit
P0AA2	主正继电器常开故障	Main positive relay normally open fault
P0AA1	主正继电器粘连故障	Main positive relay stuck fault
P1DF7	放电过功率 2 级故障	Discharge over power level 2 fault
P0AA5	主负继电器常开故障	Main negative relay normally open fault
P0AA4	主负继电器粘连故障	Main negative relay stuck fault
P0AE3	预充继电器常开故障	Pre-charge relay normally open fault
P0AE2	预充继电器粘连故障	Precharge relay stuck fault
P1B0F	交流继电器常开	AC relay normally open
P1B10	交流继电器粘连	AC relay adhesion
P1B22	直流充电正继电器常开	DC charging positive relay normally open
P1B23	直流充电正继电器粘连	DC charging positive relay adhesion
P1B27	直流充电负继电器常开	DC charging negative relay normally open
P1B28	直流充电负继电器粘连	DC charging negative relay adhesion
P1DF7	放电过功率 3 级故障	Discharge over power level 3 fault
P1B37	加热继电器常开	Heating relay normally open

故障码 DTC	故障码描述	DTC Description
P1B38	加热继电器粘连	Heating relay adhesion
P1B3B	MSD 保险丝损坏	MSD fuse is damaged
P1B09	预充失败	Precharge failure
P1B0A	预充负载短路	Preloaded load short circuit
P1B0B	预充电流反向	Precharge flow reversal
P0AA6	绝缘检测 1 级故障	Insulation detection level 1 fault
P0AA6	绝缘检测 2 级故障	Insulation detection level 2 fault
P0AA6	绝缘检测 3 级故障	Insulation detection level 3 fault
P0AA7	绝缘检测电路硬件故障	Insulation detection circuit hardware failure
P1DF8	充电过功率 1 级故障	Charging over power level 1 fault
P0A0D	HVIL 对电源短路	HVIL shorts the power supply
P0A0C	HVIL 对地短路	HVIL short to ground
P1B43	存在 Crash 信号	Crash signal
P1B44	均衡电阻过温	Equilibrium resistance over temperature
P1B45	均衡异常开启	Balanced abnormality is turned on
P1B46	均衡异常关闭	Balanced abnormal shutdown
P1DD9	CMU1 内部故障	CMU1 internal fault
P1DDB	CMU2 内部故障	CMU2 internal fault
P1DDD	CMU3 内部故障	CMU3 internal fault
P1DF8	充电过功率 2 级故障	Charging over power level 2 fault
P1DDF	CMU4 内部故障	CMU4 internal fault
P1DE1	CMU5 内部故障	CMU5 internal fault
P1DE3	CMU6 内部故障	CMU6 internal fault
P1DE5	CMU7 内部故障	CMU7 internal fault
P1DE7	CMU8 内部故障	CMU8 internal fault
U1009	CMU1 通讯故障	CMU1 communication failure
U100A	CMU2 通讯故障	CMU2 communication failure
U100B	CMU3 通讯故障	CMU3 communication failure
U100C	CMU4 通讯故障	CMU4 communication failure
U100D	CMU5 通讯故障	CMU5 communication failure
P0563	系统供电电压过高	System power supply voltage is too high
P1DF8	充电过功率 3 级故障	Charging over power level 3 fault
U100F	CMU6 通讯故障	CMU6 communication failure

故障码 DTC	故障码描述	DTC Description
U1010	CMU7 通讯故障	CMU7 communication failure
U1011	CMU8 通讯故障	CMU8 communication failure
P1DDA	CMU1 异常复位	CMU1 abnormal reset
P1DDC	CMU2 异常复位	CMU2 abnormal reset
P1DDE	CMU3 异常复位	CMU3 abnormal reset
P1DE0	CMU4 异常复位	CMU4 abnormal reset
P1DE2	CMU5 异常复位	CMU5 abnormal reset
P1DE4	CMU6 异常复位	CMU6 abnormal reset
P1DE6	CMU7 异常复位	CMU7 abnormal reset
P1DF9	回充过功率 1 级故障	Back charge over power level 1 fault
P1DE8	CMU8 异常复位	CMU8 abnormal reset
P0B3B	CMU1-Cell1 单体电压采样线开路	CMU1-Cell1 single voltage sampling line open
P0B40	CMU1-Cell2 单体电压采样线开路	CMU1-Cell2 single voltage sampling line open
P0B45	CMU1-Cell3 单体电压采样线开路	CMU1-Cell3 single voltage sampling line open
P0B4A	CMU1-Cell4 单体电压采样线开路	CMU1-Cell4 single voltage sampling line open
P0B4F	CMU1-Cell5 单体电压采样线开路	CMU1-Cell5 single voltage sampling line open
P0B54	CMU1-Cell6 单体电压采样线开路	CMU1-Cell6 single voltage sampling line open
P0B59	CMU1-Cell7 单体电压采样线开路	CMU1-Cell7 single voltage sampling line open
P0B5E	CMU1-Cell8 单体电压采样线开路	CMU1-Cell8 single voltage sampling line open
P0B63	CMU1-Cell9 单体电压采样线开路	CMU1-Cell9 single voltage sampling line open
P1DF9	回充过功率 2 级故障	Recharge over power level 2 fault
P0B68	CMU1-Cell10 单体电压采样线开路	CMU1-Cell10 single voltage sampling line open
P0B6D	CMU1-Cell11 单体电压采样线开路	CMU1-Cell11 single voltage sampling line open
P0B72	CMU1-Cell12 单体电压采样线开路	CMU1-Cell12 single voltage sampling line open
P0B77	CMU1-Cell13 单体电压采样线开路	CMU1-Cell13 single voltage sampling line open
P0B7C	CMU1-Cell14 单体电压采样线开路	CMU1-Cell14 single voltage sampling line open
P0B81	CMU2-Cell1 单体电压采样线开路	CMU2-Cell1 single voltage sampling line open
P0B86	CMU2-Cell2 单体电压采样线开路	CMU2-Cell2 single voltage sampling line open
P0B8B	CMU2-Cell3 单体电压采样线开路	CMU2-Cell3 single voltage sampling line open
P0B90	CMU2-Cell4 单体电压采样线开路	CMU2-Cell4 single voltage sampling line open
P0B95	CMU2-Cell5 单体电压采样线开路	CMU2-Cell5 single voltage sampling line open
P1DF9	回充过功率 3 级故障	Back charge over power level 3 fault
P0B9A	CMU2-Cell6 单体电压采样线开路	CMU2-Cell6 single voltage sampling line open

故障码 DTC	故障码描述	DTC Description
P0B9F	CMU2-Cell7 单体电压采样线开路	CMU2-Cell7 single voltage sampling line open
P0BA4	CMU2-Cell8 单体电压采样线开路	CMU2-Cell8 single voltage sampling line open
P0BA9	CMU2-Cell9 单体电压采样线开路	CMU2-Cell9 single voltage sampling line open
P0BAE	CMU2-Cell10 单体电压采样线开路	CMU2-Cell10 single voltage sampling line open
P0BB3	CMU2-Cell11 单体电压采样线开路	CMU2-Cell11 single voltage sampling line open
P0BB8	CMU2-Cell12 单体电压采样线开路	CMU2-Cell12 single voltage sampling line open
P1B99	CMU2-Cell13 单体电压采样线开路	CMU2-Cell13 single voltage sampling line open
P1B9B	CMU2-Cell14 单体电压采样线开路	CMU2-Cell14 single voltage sampling line open
P1B9D	CMU3-Cell1 单体电压采样线开路	CMU3-Cell1 single voltage sampling line open
P1DFE	单体过充安全保护	Single overcharge safety protection
P1B9F	CMU3-Cell2 单体电压采样线开路	CMU3-Cell2 single voltage sampling line open
P1BA1	CMU3-Cell3 单体电压采样线开路	CMU3-Cell3 single voltage sampling line open
P1BA3	CMU3-Cell4 单体电压采样线开路	CMU3-Cell4 single voltage sampling line open
P1BA5	CMU3-Cell5 单体电压采样线开路	CMU3-Cell5 single voltage sampling line open
P1BA7	CMU3-Cell6 单体电压采样线开路	CMU3-Cell6 single cell voltage sampling line open
P1BA9	CMU3-Cell7 单体电压采样线开路	CMU3-Cell7 single voltage sampling line open
P1BAB	CMU3-Cell8 单体电压采样线开路	CMU3-Cell8 single voltage sampling line open
P1BAD	CMU3-Cell9 单体电压采样线开路	CMU3-Cell9 single voltage sampling line open
P1BAF	CMU3-Cell10 单体电压采样线开路	CMU3-Cell10 single voltage sampling line open
P1BB1	CMU3-Cell11 单体电压采样线开路	CMU3-Cell11 single voltage sampling line open
P1DFF	单体过放安全保护	Single over-discharge safety protection
P1BB3	CMU3-Cell12 单体电压采样线开路	CMU3-Cell12 single voltage sampling line open
P1BB5	CMU3-Cell13 单体电压采样线开路	CMU3-Cell13 single voltage sampling line open
P1BB7	CMU3-Cell14 单体电压采样线开路	CMU3-Cell14 single voltage sampling line open
P1BB9	CMU4-Cell1 单体电压采样线开路	CMU4-Cell1 single voltage sampling line open
P1BBB	CMU4-Cell2 单体电压采样线开路	CMU4-Cell2 single voltage sampling line open
P1BBD	CMU4-Cell3 单体电压采样线开路	CMU4-Cell3 single voltage sampling line open
P1BBF	CMU4-Cell4 单体电压采样线开路	CMU4-Cell4 single voltage sampling line open
P1BC1	CMU4-Cell5 单体电压采样线开路	CMU4-Cell5 single voltage sampling line open
P1BC3	CMU4-Cell6 单体电压采样线开路	CMU4-Cell6 single cell voltage sampling line open
P1BC5	CMU4-Cell7 单体电压采样线开路	CMU4-Cell7 single voltage sampling line open
P1E01	单体过温安全保护	Single temperature over temperature protection

故障码 DTC	故障码描述	DTC Description
P1BC7	CMU4-Cell8 单体电压采样线开路	CMU4-Cell8 single voltage sampling line open
P1BC9	CMU4-Cell9 单体电压采样线开路	CMU4-Cell9 single voltage sampling line open
P1BCB	CMU4-Cell10 单体电压采样线开路	CMU4-Cell10 single voltage sampling line open
P1BCD	CMU4-Cell11 单体电压采样线开路	CMU4-Cell11 single voltage sampling line open
P1BCF	CMU4-Cell12 单体电压采样线开路	CMU4-Cell12 single voltage sampling line open
P1BD1	CMU4-Cell13 单体电压采样线开路	CMU4-Cell13 single voltage sampling line open
P1BD3	CMU4-Cell14 单体电压采样线开路	CMU4-Cell14 single voltage sampling line open
P1BD5	CMU5-Cell1 单体电压采样线开路	CMU5-Cell1 single voltage sampling line open
P1BD7	CMU5-Cell2 单体电压采样线开路	CMU5-Cell2 single voltage sampling line open
P1BD9	CMU5-Cell3 单体电压采样线开路	CMU5-Cell3 single voltage sampling line open
P1DF7	Pack 过流保护	Pack overcurrent protection
P1BDB	CMU5-Cell4 单体电压采样线开路	CMU5-Cell4 single cell voltage sampling line open
P1BDD	CMU5-Cell5 单体电压采样线开路	CMU5-Cell5 single voltage sampling line open
P1BDF	CMU5-Cell6 单体电压采样线开路	CMU5-Cell6 single cell voltage sampling line open
P1BE1	CMU5-Cell7 单体电压采样线开路	CMU5-Cell7 single voltage sampling line open
P1BE3	CMU5-Cell8 单体电压采样线开路	CMU5-Cell8 single voltage sampling line open
P1BE5	CMU5-Cell9 单体电压采样线开路	CMU5-Cell9 single voltage sampling line open
P1BE7	CMU5-Cell10 单体电压采样线开路	CMU5-Cell10 single voltage sampling line open
P1BE9	CMU5-Cell11 单体电压采样线开路	CMU5-Cell11 single voltage sampling line open
P1BEB	CMU5-Cell12 单体电压采样线开路	CMU5-Cell12 single voltage sampling line open
P1BED	CMU5-Cell13 单体电压采样线开路	CMU5-Cell13 single voltage sampling line open
P0AF8	Pack 电压合理性故障	Pack voltage reasonable fault
P1BEF	CMU5-Cell14 单体电压采样线开路	CMU5-Cell14 single voltage sampling line open
P1BF1	CMU6-Cell1 单体电压采样线开路	CMU6-Cell1 single voltage sampling line open
P1BF3	CMU6-Cell2 单体电压采样线开路	CMU6-Cell2 single voltage sampling line open
P1BF5	CMU6-Cell3 单体电压采样线开路	CMU6-Cell3 single voltage sampling line open
P1BF7	CMU6-Cell4 单体电压采样线开路	CMU6-Cell4 single voltage sampling line open
P1BF9	CMU6-Cell5 单体电压采样线开路	CMU6-Cell5 single voltage sampling line open
P1BFB	CMU6-Cell6 单体电压采样线开路	CMU6-Cell6 single cell voltage sampling line open
P1BFD	CMU6-Cell7 单体电压采样线开路	CMU6-Cell7 single voltage sampling line open
P1BFF	CMU6-Cell8 单体电压采样线开路	CMU6-Cell8 single voltage sampling line open

故障码 DTC	故障码描述	DTC Description
P1D01	CMU6-Cell9 单体电压采样线开路	CMU6-Cell9 single voltage sampling line open
P1B50	预充电压合理性故障	Precharge pressure reasonable fault
P1D03	CMU6-Cell10 单体电压采样线开路	CMU6-Cell10 single voltage sampling line open
P1D05	CMU6-Cell11 单体电压采样线开路	CMU6-Cell11 single voltage sampling line open
P1D07	CMU6-Cell12 单体电压采样线开路	CMU6-Cell12 single voltage sampling line open
P1D09	CMU6-Cell13 单体电压采样线开路	CMU6-Cell13 single voltage sampling line open
P1D0B	CMU6-Cell14 单体电压采样线开路	CMU6-Cell14 single voltage sampling line open
P1D0D	CMU7-Cell1 单体电压采样线开路	CMU7-Cell1 single voltage sampling line open
P1D0F	CMU7-Cell2 单体电压采样线开路	CMU7-Cell2 single voltage sampling line open
P1D11	CMU7-Cell3 单体电压采样线开路	CMU7-Cell3 single voltage sampling line open
P1D13	CMU7-Cell4 单体电压采样线开路	CMU7-Cell4 single voltage sampling line open
P1D15	CMU7-Cell5 单体电压采样线开路	CMU7-Cell5 single voltage sampling line open
P0562	系统供电电压低	System power supply voltage is low
P1B17	交流充电电压合理性故障	AC charging voltage reasonable fault
P1D17	CMU7-Cell6 单体电压采样线开路	CMU7-Cell6 single voltage sampling line open
P1D19	CMU7-Cell7 单体电压采样线开路	CMU7-Cell7 single voltage sampling line open
P1D1B	CMU7-Cell8 单体电压采样线开路	CMU7-Cell8 single voltage sampling line open
P1D1D	CMU7-Cell9 单体电压采样线开路	CMU7-Cell9 single voltage sampling line open
P1D1F	CMU7-Cell10 单体电压采样线开路	CMU7-Cell10 single voltage sampling line open
P1D21	CMU7-Cell11 单体电压采样线开路	CMU7-Cell11 single voltage sampling line open
P1D23	CMU7-Cell12 单体电压采样线开路	CMU7-Cell12 single voltage sampling line open
P1D25	CMU7-Cell13 单体电压采样线开路	CMU7-Cell13 single voltage sampling line open
P1D27	CMU7-Cell14 单体电压采样线开路	CMU7-Cell14 single voltage sampling line open
P1D29	CMU8-Cell1 单体电压采样线开路	CMU8-Cell1 single voltage sampling line open
P1B2C	直流充电电压合理性故障	DC charging voltage reasonable fault
P1D2B	CMU8-Cell2 单体电压采样线开路	CMU8-Cell2 single voltage sampling line open
P1D2D	CMU8-Cell3 单体电压采样线开路	CMU8-Cell3 single voltage sampling line open
P1D2F	CMU8-Cell4 单体电压采样线开路	CMU8-Cell4 single voltage sampling line open
P1D31	CMU8-Cell5 单体电压采样线开路	CMU8-Cell5 single voltage sampling line open
P1D33	CMU8-Cell6 单体电压采样线开路	CMU8-Cell6 single cell voltage sampling line open
P1D35	CMU8-Cell7 单体电压采样线开路	CMU8-Cell7 single voltage sampling line open
P1D37	CMU8-Cell8 单体电压采样线开路	CMU8-Cell8 single voltage sampling line open

故障码 DTC	故障码描述	DTC Description
P1D39	CMU8-Cell9 单体电压采样线开路	CMU8-Cell9 single voltage sampling line open
P1D3B	CMU8-Cell10 单体电压采样线开路	CMU8-Cell10 single voltage sampling line open
P1D3D	CMU8-Cell11 单体电压采样线开路	CMU8-Cell11 single voltage sampling line open
P0AFB	Pack 电压高 Warning 故障	Pack voltage high Warning failure
P1D3F	CMU8-Cell12 单体电压采样线开路	CMU8-Cell12 single voltage sampling line open
P1D41	CMU8-Cell13 单体电压采样线开路	CMU8-Cell13 single voltage sampling line open
P1D43	CMU8-Cell14 单体电压采样线开路	CMU8-Cell14 single voltage sampling line open
P1D45	CMU1-Temp1 开路	CMU1-Temp1 open circuit
P1D46	CMU1-Temp2 开路	CMU1-Temp2 open circuit
P1D47	CMU1-Temp3 开路	CMU1-Temp3 open circuit
P1D48	CMU1-Temp4 开路	CMU1-Temp4 open circuit
P1D4A	CMU1-Temp5 开路	CMU1-Temp5 open circuit
P1D4E	CMU2-Temp1 开路	CMU2-Temp1 open circuit
P1D52	CMU2-Temp2 开路	CMU2-Temp2 open circuit
P0AFB	Pack 电压高 Alarm 故障	Pack voltage high Alarm failure
P1D56	CMU2-Temp3 开路	CMU2-Temp3 open circuit
P1D5A	CMU2-Temp4 开路	CMU2-Temp4 open circuit
P1D5E	CMU2-Temp5 开路	CMU2-Temp5 open circuit
P1D62	CMU3-Temp1 开路	CMU3-Temp1 open circuit
P1D66	CMU3-Temp2 开路	CMU3-Temp2 open circuit
P1D6A	CMU3-Temp3 开路	CMU3-Temp3 open circuit
P1D6E	CMU3-Temp4 开路	CMU3-Temp4 open circuit
P1D72	CMU3-Temp5 开路	CMU3-Temp5 open circuit
P1D76	CMU4-Temp1 开路	CMU4-Temp1 open circuit
P1D7A	CMU4-Temp2 开路	CMU4-Temp2 open circuit
P0AFA	Pack 电压低 Warning 故障	Pack voltage low Warning failure
P1D7E	CMU4-Temp3 开路	CMU4-Temp3 open circuit
P1D82	CMU4-Temp4 开路	CMU4-Temp4 open circuit
P1D86	CMU4-Temp5 开路	CMU4-Temp5 open circuit
P1D8A	CMU5-Temp1 开路	CMU5-Temp1 open circuit
P1D8E	CMU5-Temp2 开路	CMU5-Temp2 open circuit
P1D92	CMU5-Temp3 开路	CMU5-Temp3 open circuit
P1D96	CMU5-Temp4 开路	CMU5-Temp4 open circuit

故障码 DTC	故障码描述	DTC Description
P1D9A	CMU5-Temp5 开路	CMU5-Temp5 open circuit
P1D9E	CMU6-Temp1 开路	CMU6-Temp1 open circuit
P1DA2	CMU6-Temp2 开路	CMU6-Temp2 open circuit
P0AFA	Pack 电压低 Alarm 故障	Pack voltage low Alarm failure
P1DA6	CMU6-Temp3 开路	CMU6-Temp3 open circuit
P1DAA	CMU6-Temp4 开路	CMU6-Temp4 open circuit
P1DAE	CMU6-Temp5 开路	CMU6-Temp5 open circuit
P1DB2	CMU7-Temp1 开路	CMU7-Temp1 open circuit
P1DB6	CMU7-Temp2 开路	CMU7-Temp2 open circuit
P1DBA	CMU7-Temp3 开路	CMU7-Temp3 open circuit
P1DBE	CMU7-Temp4 开路	CMU7-Temp4 open circuit
P1DC2	CMU7-Temp5 开路	CMU7-Temp5 open circuit
P1DC6	CMU8-Temp1 开路	CMU8-Temp1 open circuit
P1DCA	CMU8-Temp2 开路	CMU8-Temp2 open circuit
P1B36	加热膜电压合理性故障	Heating film voltage rationality failure
P1DCE	CMU8-Temp3 开路	CMU8-Temp3 open circuit
P1DD2	CMU8-Temp4 开路	CMU8-Temp4 open circuit
P1DD6	CMU8-Temp5 开路	CMU8-Temp5 open circuit
P0AAE	CMU1-Temp1 对地短路	CMU1-Temp1 shorted to ground
P0AC7	CMU1-Temp2 对地短路	CMU1-Temp2 shorted to ground
P0ACC	CMU1-Temp3 对地短路	CMU1-Temp3 shorted to ground
P0AEA	CMU1-Temp4 对地短路	CMU1-Temp4 shorted to ground
P1D4C	CMU1-Temp5 对地短路	CMU1-Temp5 shorted to ground
P1D50	CMU2-Temp1 对地短路	CMU2-Temp1 shorted to ground
P1D54	CMU2-Temp2 对地短路	CMU2-Temp2 shorted to ground
P0641	PACK 电流传感器供电故障	PACK current sensor power failure
P1D58	CMU2-Temp3 对地短路	CMU2-Temp3 shorted to ground
P1D5C	CMU2-Temp4 对地短路	CMU2-Temp4 shorted to ground
P1D60	CMU2-Temp5 对地短路	CMU2-Temp5 short circuit to ground
P1D64	CMU3-Temp1 对地短路	CMU3-Temp1 shorted to ground
P1D68	CMU3-Temp2 对地短路	CMU3-Temp2 shorted to ground
P1D6C	CMU3-Temp3 对地短路	CMU3-Temp3 shorted to ground
P1D70	CMU3-Temp4 对地短路	CMU3-Temp4 shorted to ground

故障码 DTC	故障码描述	DTC Description
P1D74	CMU3-Temp5 对地短路	CMU3-Temp5 shorted to ground
P1D78	CMU4-Temp1 对地短路	CMU4-Temp1 shorted to ground
P1D7C	CMU4-Temp2 对地短路	CMU4-Temp2 shorted to ground
P0AC2	PACK 电流传感器对电源短路	PACK current sensor shorts the power supply
P1D80	CMU4-Temp3 对地短路	CMU4-Temp3 shorted to ground
P1D84	CMU4-Temp4 对地短路	CMU4-Temp4 shorted to ground
P1D88	CMU4-Temp5 对地短路	CMU4-Temp5 shorted to ground
P1D8C	CMU5-Temp1 对地短路	CMU5-Temp1 shorted to ground
P1D90	CMU5-Temp2 对地短路	CMU5-Temp2 shorted to ground
P1D94	CMU5-Temp3 对地短路	CMU5-Temp3 shorted to ground
P1D98	CMU5-Temp4 对地短路	CMU5-Temp4 shorted to ground
P1D9C	CMU5-Temp5 对地短路	CMU5-Temp5 short circuit to ground
P1DA0	CMU6-Temp1 对地短路	CMU6-Temp1 shorted to ground
P1DA4	CMU6-Temp2 对地短路	CMU6-Temp2 short circuit to ground
P0AC1	PACK 电流传感器对地短路或开路	PACK current sensor shorted to ground or open circuit
P1DA8	CMU6-Temp3 对地短路	CMU6-Temp3 shorted to ground
P1DAC	CMU6-Temp4 对地短路	CMU6-Temp4 shorted to ground
P1DB0	CMU6-Temp5 对地短路	CMU6-Temp5 short circuit to ground
P1DB4	CMU7-Temp1 对地短路	CMU7-Temp1 shorted to ground
P1DB8	CMU7-Temp2 对地短路	CMU7-Temp2 shorted to ground
P1DBC	CMU7-Temp3 对地短路	CMU7-Temp3 shorted to ground
P1DC0	CMU7-Temp4 对地短路	CMU7-Temp4 shorted to ground
P1DC4	CMU7-Temp5 对地短路	CMU7-Temp5 shorted to ground
P1DC8	CMU8-Temp1 对地短路	CMU8-Temp1 shorted to ground
P1DCC	CMU8-Temp2 对地短路	CMU8-Temp2 short circuit to ground
P0562	系统供电电压过低	System power supply voltage is too low
P1DEA	电流合理性故障	Current reasonable fault
P1DD0	CMU8-Temp3 对地短路	CMU8-Temp3 shorted to ground
P1DD4	CMU8-Temp4 对地短路	CMU8-Temp4 shorted to ground
P1DD8	CMU8-Temp5 对地短路	CMU8-Temp5 short circuit to ground
P1B76	加热膜温度 1 断线故障	Heating film temperature 1 disconnection failure

故障码 DTC	故障码描述	DTC Description
P1B78	加热膜温度 2 断线故障	Heating film temperature 2 disconnection failure
P1B7A	加热膜温度 3 断线故障	Heating film temperature 3 disconnection failure
P1B7C	加热膜温度 4 断线故障	Heating film temperature 4 disconnection failure
P1B7E	加热膜温度 5 断线故障	Heating film temperature 5 disconnection failure
P1B80	加热膜温度 6 断线故障	Heating film temperature 6 disconnection failure
P1B82	加热膜温度 7 断线故障	Heating film temperature 7 disconnection failure
U0073	动力 CAN Busoff	Power CAN Busoff
P1B84	加热膜温度 8 断线故障	Heating film temperature 8 disconnection failure
P1B86	加热膜温度 9 断线故障	Heating film temperature 9 disconnection failure
P1B88	加热膜温度 10 断线故障	Heating film temperature 10 disconnection failure
P1B8A	加热膜温度 11 断线故障	Heating film temperature 11 disconnection failure
P1B8C	加热膜温度 12 断线故障	Heating film temperature 12 disconnection failure
P1B8E	加热膜温度 13 断线故障	Heating film temperature 13 disconnection failure
P1B90	加热膜温度 14 断线故障	Heating film temperature 14 disconnection failure
P1B92	加热膜温度 15 断线故障	Heating film temperature 15 disconnection failure
P1B94	加热膜温度 16 断线故障	Heating film temperature 16 disconnection failure
P1B96	加热膜温度 17 断线故障	Heating film temperature 17 disconnection failure
U0111	BMS 与 VCU 通讯超时	BMS and VCU communication timeout
P1B98	加热膜温度 18 断线故障	Heating film temperature 18 disconnection failure
P1B9A	加热膜温度 19 断线故障	Heating film temperature 19 disconnection failure
P1B9C	加热膜温度 20 断线故障	Heating film temperature 20 disconnection failure

故障码 DTC	故障码描述	DTC Description
P1B9E	加热膜温度 21 断线故障	Heating film temperature 21 disconnection failure
P1BA0	加热膜温度 22 断线故障	Heating film temperature 22 disconnection failure
P1BA2	加热膜温度 23 断线故障	Heating film temperature 23 disconnection failure
P1BA4	加热膜温度 24 断线故障	Heating film temperature 24 disconnection failure
P1BA6	加热膜温度 1 对地短路故障	Heating film temperature 1 to ground short circuit failure
P1BA8	加热膜温度 2 对地短路故障	Heating film temperature 2 to ground short circuit failure
P1BAA	加热膜温度 3 对地短路故障	Heating film temperature 3 to ground short circuit failure
U0298	BMS 与 DCDC 通讯超时	BMS and DCDC communication timeout
P1BAC	加热膜温度 4 对地短路故障	Heating film temperature 4 to ground short circuit failure
P1BAE	加热膜温度 5 对地短路故障	Heating film temperature 5 to ground short circuit failure
P1BB0	加热膜温度 6 对地短路故障	Heating film temperature 6 to ground short circuit failure
P1BB2	加热膜温度 7 对地短路故障	Heating film temperature 7 to ground short circuit failure
P1BB4	加热膜温度 8 对地短路故障	Heating film temperature 8 to ground short circuit failure
P1BB6	加热膜温度 9 对地短路故障	Heating film temperature 9 to ground short circuit failure
P1BB8	加热膜温度 10 对地短路故障	Heating film temperature 10 to ground short circuit failure
P1BBA	加热膜温度 11 对地短路故障	Heating film temperature 11 to ground short circuit failure
P1BBC	加热膜温度 12 对地短路故障	Heating film temperature 12 to ground short circuit failure
P1BBE	加热膜温度 13 对地短路故障	Heating film temperature 13 to ground short circuit failure
U0110	BMS 与 PEU 通讯超时	BMS and PEU communication timeout
P1BC0	加热膜温度 14 对地短路故障	Heating film temperature 14 to ground short circuit failure
P1BC2	加热膜温度 15 对地短路故障	Heating film temperature 15 to ground short circuit failure

故障码 DTC	故障码描述	DTC Description
P1BC4	加热膜温度 16 对地短路故障	Heating film temperature 16 to ground short circuit failure
P1BC6	加热膜温度 17 对地短路故障	Heating film temperature 17 to ground short circuit failure
P1BC8	加热膜温度 18 对地短路故障	Heating film temperature 18 to ground short circuit failure
P1BCA	加热膜温度 19 对地短路故障	Heating film temperature 19 short to ground fault
P1BCC	加热膜温度 20 对地短路故障	Heating film temperature 20 to ground short circuit failure
P1BCE	加热膜温度 21 对地短路故障	Heating film temperature 21 to ground short circuit failure
P1BD0	加热膜温度 22 对地短路故障	Heating film temperature 22 to ground short circuit failure
P1BD2	加热膜温度 23 对地短路故障	Heating film temperature 23 short to ground fault
U0140	BMS 与 BCM 通讯超时	BMS and BCM communication timeout
P1BD4	加热膜温度 24 对地短路故障	Heating film temperature 24 short to ground fault
P1DE9	SBC 内部故障	SBC internal fault
U1012	SBC CAN 故障	SBC CAN failure
U0155	BMS 与 IPK 通讯超时	BMS and IPK communication timeout
P1B05	预留	Reserved
P1B06	预留	Reserved
U0151	BMS 与 SRS 通讯超时	BMS and SRS communication timeout
P1B07	预留	Reserved
P1B08	预留	Reserved
P0AE4	法规预留	Regulatory reservation
U016B	BMS 与 HCM 通讯超时	BMS and HCM communication timeout
P1B0E	预留	Reserved
U0121	BMS 与 ESC 通讯超时	BMS and ESC communication timeout
P1B11	预留	Reserved
P1B12	预留	Reserved
P1B18	预留	Reserved
P1B3C	系统供电硬件回路故障	System power supply hardware loop failure
U008A	BMS 与 TBox 通讯超时	System power supply hardware loop failure
P1B1B	预留	Reserved

故障码 DTC	故障码描述	DTC Description
P1B1E	预留	Reserved
P1B21	预留	Reserved
U008B	BPTC 的 2C9 中 CheckSumErr 信号	Checksumerr signal in 2C9 of BPTC
P1B26	预留	Reserved
P1B29	预留	Reserved
U008C	BCM 的 281 中 CheckSumErr 信号	Checksumerr signal in 281 of BCM
P1B30	预留	Reserved
U008D	ABS 的 23C 中 CheckSumErr 信号	Checksumerr signal in 23C of ABS
P1B33	预留	Reserved
U008E	PEU 的 18B 中 CheckSumErr 信号	Checksumerr signal in 18B of PEU
P1F05	预留	Reserved
P1F06	预留	Reserved
P1F07	预留	Reserved
U008F	SRS 的 163 中 CheckSumErr 信号	Checksumerr signal in 163 of SRS
P1F08	预留	Reserved
P1F09	预留	Reserved
P1F0A	预留	Reserved
P1F0C	预留	Reserved
P1B3D	预留	Reserved
P1B3E	预留	Reserved
P1B3F	预留	Reserved
P1DEB	预留	Reserved
U0090	VCU 的 1E3 中 CheckSumErr 信号	Checksumerr signal in 1E3 of VCU
P1DEC	预留	Reserved
P1DED	预留	Reserved
P0AA6	预留	Reserved
P0AA7	预留	Reserved
P1B41	预留	Reserved
P1B42	预留	Reserved
U0091	BPTCTimeout 故障	BPTC Timeout Failure
P1C10	预留	Reserved
P1A10	预留	Reserved
P1C12	预留	Reserved

故障码 DTC	故障码描述	DTC Description
P1C13	预留	Reserved
P1A11	预留	Reserved
P0A07	预留	Reserved
P0A06	预留	Reserved
P0A05	预留	Reserved
U0092	BMS 与 FICM 通讯超时	BMS and FICM communication timeout
U0093	BMS 与 EMS 通讯超时	BMS and EMS communication timeout
P0AFB	预留	Reserved
P0AFA	预留	Reserved
P1B51	预留	Reserved
P1B01	系统 KL30 异常断电	System KL30 is abnormally powered off
U0094	BMS 与 ATC 通讯超时	BMS and ATC communication timeout
P1B54	预留	Reserved
P1B55	预留	Reserved
P1B56	预留	Reserved
P1B57	预留	Reserved
P1B58	预留	Reserved
P1B59	预留	Reserved
P1B5B	预留	Reserved
U0085	预留	Reserved
P0DE7	单体电压高 1 级故障	Single cell voltage high level 1 fault
P1B64	预留	Reserved
P0DE7	单体电压高 2 级故障	Single cell voltage high level 2 fault
P0DE7	单体电压高 3 级故障	Single cell voltage high level 3 fault
P0DE6	单体电压低 1 级故障	Single cell voltage low level 1 fault
P0DE6	单体电压低 2 级故障	Low single cell voltage level 2 fault
P0DE6	单体电压低 3 级故障	Low single cell voltage level 3 fault
P1E00	单体压差大 1 级故障	Single cell differential pressure level 1 fault
P1E00	单体压差大 2 级故障	Single cell differential pressure 2 level fault
P1E00	单体压差大 3 级故障	Single cell differential pressure level 3 fault
P1B02	系统看门狗复位	System watchdog reset

故障码 DTC	故障码描述	DTC Description
P1E01	单体温度高 1 级故障	Single cell temperature is high level 1 fault
P1E01	单体温度高 2 级故障	Single cell temperature high level 2 fault
P1E01	单体温度高 3 级故障	Single cell temperature high level 3 fault
P1E02	单体温度低 1 级故障	Single cell temperature low level 1 fault
P1BD6	预留	Reserved
P1BD8	预留	Reserved
P1BDA	预留	Reserved
P1BDC	预留	Reserved
P1E02	单体温度低 2 级故障	Low temperature of unit 2
P1BDE	预留	Reserved
P1BE0	预留	Reserved
P1BE2	预留	Reserved
P1BE4	预留	Reserved
P1BE6	预留	Reserved
P1E02	单体温度低 3 级故障	Low temperature of unit 3
P1BE8	预留	Reserved
P1BEA	预留	Reserved
P1BEC	预留	Reserved
P1BEE	预留	Reserved
P1BF0	预留	Reserved
P1E03	单体温差大 1 级故障	Single cell temperature difference is large
P1BF2	预留	Reserved
P1BF4	预留	Reserved
P1BF6	预留	Reserved
P1BF8	预留	Reserved
P1BFA	预留	Reserved
P1E03	单体温差大 2 级故障	Single cell temperature difference 2 level fault
P1BFC	预留	Reserved
P1BFE	预留	Reserved
P1D00	预留	Reserved
P1D02	预留	Reserved
P1D04	预留	Reserved

故障码 DTC	故障码描述	DTC Description
P1E03	单体温差大 3 级故障	Single cell temperature difference is large
P1D06	预留	Reserved
P1D08	预留	Reserved
P1D0A	预留	Reserved
P1D0C	预留	Reserved
P1D0E	预留	Reserved
P1B04	CMU 参数配置失败	CMU parameter configuration failed
P1D10	预留	Reserved
P1D12	预留	Reserved
P1D14	预留	Reserved
P1D16	预留	Reserved
P1D18	预留	Reserved
P0C30	SOC 高 Warining 故障	SOC high Warining failure
P1B5A	NVM 内部故障	NVM internal failure
P1D1A	预留	Reserved
P1D1C	预留	Reserved
P1D1E	预留	Reserved
P1D20	预留	Reserved
P1D22	预留	Reserved
P1B5C	充电连接指示灯对地短路故障	Charging connection indicator short circuit to ground
P1D24	预留	Reserved
P1D26	预留	Reserved
P1D28	预留	Reserved
P1D2A	预留	Reserved
P1D2C	预留	Reserved
P1B5D	充电连接指示灯对电源短路故障	Charging connection indicator is shorted to power supply
P1D2E	预留	Reserved
P1D30	预留	Reserved
P1D32	预留	Reserved
P1D34	预留	Reserved
P1D36	预留	Reserved
P1B5E	正在充电指示灯对地短路故障	Charging indicator is shorted to ground

故障码 DTC	故障码描述	DTC Description
P1D38	预留	Reserved
P1D3A	预留	Reserved
P1D3C	预留	Reserved
P1D3E	预留	Reserved
P1D40	预留	Reserved
P1B5F	正在充电指示灯对电源短路故障	Charging indicator is shorted to power supply
P1D42	预留	Reserved
P1D44	预留	Reserved
P0AAF	预留	Reserved
P0AC8	预留	Reserved
P0D94	电子锁异常	Electronic lock exception
P0ACB	CMU1-Temp3 合理性故障	CMU1-Temp3 reasonable fault
P0ACD	预留	Reserved
P0AEB	预留	Reserved
P0D93	电子锁对电源短路	Electronic lock shorts the power supply
P1D4B	预留	Reserved
P1D4F	预留	Reserved
P1D53	预留	Reserved
P0D92	电子锁对地短路	Electronic lock short to ground
P1D55	CMU2-Temp3 合理性故障	CMU2-Temp3 reasonable fault
P1D57	预留	Reserved
P1D5B	预留	Reserved
P0D91	电子锁驱动开路	Electronic lock drive open circuit
P1D5F	预留	Reserved
P1D63	预留	Reserved
P1D67	预留	Reserved
P0CE3	冷却阀驱动对电源短路	Cooling valve drive shorts the power supply
P1D6B	预留	Reserved
P1D6F	预留	Reserved
P0C30	SOC 高 Alarm 故障	SOC high Alarm failure
P0CE2	冷却阀驱动对地短路	Cooling valve drive shorted to ground
P1D73	预留	Reserved
P1D77	预留	Reserved

故障码 DTC	故障码描述	DTC Description
P1D7B	预留	Reserved
P1B39	CMU 供电驱动对电源短路	CMU power supply drive shorts the power supply
P1D7F	预留	Reserved
P1D83	预留	Reserved
P1B3A	CMU 供电驱动对地短路或开路	CMU power supply drive short to ground or open circuit
P1D87	预留	Reserved
P1D8B	预留	Reserved
P1D8F	预留	Reserved
P1B4A	水泵控制信号断线故障	Pump control signal disconnection failure
P1D93	预留	Reserved
P1D97	预留	Reserved
P1B4B	水泵供电故障	Pump power failure
P1D9B	预留	Reserved
P1D9F	预留	Reserved
P1DA3	预留	Reserved
P1B4C	水泵过流故障	Pump overcurrent fault
P1DA7	预留	Reserved
P1DAB	预留	Reserved
P1B4D	水泵干转故障	Pump dry run failure
P1DAF	预留	Reserved
P1DB3	预留	Reserved
P1DB7	预留	Reserved
P1B4E	水泵堵转故障	Pump stalling failure
P1DBB	预留	Reserved
P1DBF	预留	Reserved
P1B4F	水泵过温故障	Pump over temperature fault
P1DC3	预留	Reserved
P1DC7	预留	Reserved
P1DCB	预留	Reserved
P1B4A	水泵转速过低故障	Pump speed is too low
P1DCF	预留	Reserved
P1DD3	预留	Reserved

BMS 故障详解

Error -sorting solution

故障码 DTC	P0563
故障码描述	系统供电电压高
DTC Description	System power supply voltage is high
故障发生的可能原因	蓄电池电压过高
Possible Cause	Battery voltage is too high
检查项目	测量蓄电池电压
Check Items	Measure battery voltage
可能的影响	BMS 正常运行
Possible Symptom	BMS is operating normally
故障诊断码的判断条件	KL30 （蓄电池）电压大于 16.5V，持续 1S 后报出故障
Failure criteria	The voltage of KL30 (battery) is greater than 16.5V, and the fault will be reported after 1S.
故障治愈条件	KL30 （蓄电池）电压小于 15.5V
Healing condition	KL30 (battery) voltage is less than 15.5V
系统反应（降扭或降速等）	仅记录故障码，无系统反应

故障码 DTC	P0A7D
故障码描述	SOC 低 Warning 故障
DTC Description	SOC low warning failure
故障发生的可能原因	SOC 低
Possible Cause	Low SOC
检查项目	仪表 SOC 值
Check Items	Instrument SOC value
可能的影响	BMS 正常运行
Possible Symptom	BMS is operating normally
故障诊断码的判断条件	SOC<19%，持续 3S 后报出故障
Failure criteria	SOC<19%, report failure after 3S
故障治愈条件	SOC>21%
Healing condition	SOC>21%
系统反应（降扭或降速等）	仅记录故障码，无系统反应

故障码 DTC	P1B16
故障码描述	CP 合理性故障
DTC Description	CP rationality failure
故障发生的可能原因	桩端 CP 异常
Possible Cause	Pile end CP abnormal
检查项目	CP 硬线或换充电桩
Check Items	CP hard wire or change charging pile
可能的影响	充电工况下 90s 内功率降为 0kw，放电工况下 BMS 正常运行
Possible Symptom	The power drops to 0kw within 90s under charging conditions, and the BMS runs normally under discharge conditions
故障诊断码的判断条件	（CP 频率＞ 1.2kHz）或 （CP 频率＞ 0，且＜ 0.8kHz），持续 100ms
Failure criteria	(CP frequency>1.2kHz) or (CP frequency>0, and <0.8kHz), lasting 100ms
故障治愈条件	800Hz ＜ CP 频率＜ 1200Hz
Healing condition	800Hz ＜ CP frequency ＜ 1200Hz
系统反应（降扭或降速等)	充电工况下功率降为 0kw，放电工况下 BMS 正常运行

故障码 DTC	P1DD7
故障码描述	预留
DTC Description	Reserved

故障码 DTC	P1F01
故障码描述	CC 对地短路
DTC Description	CC short to ground
故障发生的可能原因	CC 对地短路
Possible Cause	CC to ground short circuit
检查项目	CC 硬线
Check Items	CC hard wire
可能的影响	充电工况下 90s 内功率降为 0kw，放电工况下 BMS 正常运行
Possible Symptom	The power drops to 0kw within 90s under charging conditions, and the BMS runs normally under discharge conditions
故障诊断码的判断条件	CC 电压＜ 0.5V 持续 200ms
Failure criteria	CC voltage ＜ 0.5V for 200ms
故障治愈条件	CC 电压＞ 0.5V
Healing condition	CC voltage ＞ 0.5V
系统反应（降扭或降速等）	充电工况下 90s 内功率降为 0kw，放电工况下 BMS 正常运行

故障码 DTC	P1F02
故障码描述	CP 对电源短路
DTC Description	CP shorts the power supply
故障发生的可能原因	CP 对电源短路
Possible Cause	CP shorted to power supply
检查项目	CP 硬线
Check Items	CP hard wire
可能的影响	充电工况下 90s 内功率降为 0kw，放电工况下 BMS 正常运行
Possible Symptom	The power drops to 0kw within 90s under charging conditions, and the BMS runs normally under discharge conditions
故障诊断码的判断条件	CP 电压大于 11V，持续 200ms
Failure criteria	CP voltage is greater than 11V for 200ms
故障治愈条件	CP 电压＜ 11V
Healing condition	CP voltage ＜ 11V
系统反应（降扭或降速等）	充电工况下功率降为 0kw，放电工况下 BMS 正常运行

故障码 DTC	P1B15
故障码描述	CC 合理性故障
DTC Description	CC rationality failure
故障发生的可能原因	充电座线束故障
Possible Cause	Charging seat harness failure
检查项目	CC 硬线
Check Items	CC hard wire
可能的影响	充电工况下 90s 内功率降为 0kw，放电工况下 BMS 正常运行
Possible Symptom	The power drops to 0kw within 90s under charging conditions, and the BMS runs normally under discharge conditions
故障诊断码的判断条件	CC 电阻不在 （80,120）（180,260）（610,750）（1350,1650）（2300,4300）（＞ 5000）范围内持续 1000ms
Failure criteria	The CC resistance is not within the range of (80,120) (180,260) (610,750) (1350,1650) (2300,4300) (>5000) for 1000ms
故障治愈条件	CC 电阻在 （80,120）（180,260）（610,750）（1350,1650）（2300,4300）（＞ 5000）范围内
Healing condition	CC resistance is in the range of (80,120) (180,260) (610,750) (1350,1650) (2300,4300) (>5000)
系统反应（降扭或降速等）	充电工况下 90s 内功率降为 0kw，放电工况下 BMS 正常运行

故障码 DTC	U019B
故障码描述	BMS 与 OBC 通讯超时
DTC Description	BMS and OBC communication timeout
故障发生的可能原因	未收到 OBC 报文
Possible Cause	No OBC message received
检查项目	OBC 控制器或软件
Check Items	OBC controller or software
可能的影响	充电工况下功率限一半，放电工况下 BMS 正常运行
Possible Symptom	The power limit is half under charging conditions, and the BMS runs normally under discharge conditions
故障诊断码的判断条件	未收到 OBC 报文
Failure criteria	No OBC message received
故障治愈条件	收到 OBC 报文
Healing condition	Receive OBC message
系统反应（降扭或降速等）	充电工况下功率限一半，放电工况下正常运行

故障码 DTC	P1F00
故障码描述	充电机内部故障
DTC Description	Internal fault of the charger
故障发生的可能原因	充电机内部故障
Possible Cause	Internal fault of charger
检查项目	OBC 控制器或软件
Check Items	OBC controller or software
可能的影响	BMS 正常运行
Possible Symptom	BMS is operating normally
故障诊断码的判断条件	0x604 发的故障码为 0
Failure criteria	The fault code sent by 0x604 is 0
故障治愈条件	0x604 发的故障码不为 0
Healing condition	The fault code sent by 0x604 is not 0
系统反应（降扭或降速等)	BMS 正常运行

故障码 DTC	P1B2D
故障码描述	充电桩电流不可控
DTC Description	Charging pile current is uncontrollable
故障发生的可能原因	充电桩电流不可控
Possible Cause	Uncontrollable charging pile current
检查项目	充电桩输出电流和 BMS 请求电流
Check Items	Charging pile output current and BMS request current
可能的影响	充电工况下功率限一半，放电工况下正常运行
Possible Symptom	The power limit is half under charging conditions, and normal operation under discharge conditions
故障诊断码的判断条件	PACK 电流的的绝对值＞充电请求电流绝对值 *1.2 并持续 20s
Failure criteria	Absolute value of PACK current ＞ absolute value of charging request current*1.2 and lasts for 20s
故障治愈条件	PACK 电流的的绝对值小于充电请求电流绝对值 *1.2
Healing condition	The absolute value of the PACK current is less than the absolute value of the charging request current *1.2
系统反应（降扭或降速等)	充电工况下功率限一半，放电工况下正常运行

故障码 DTC	P1F03
故障码描述	CC2 对地短路故障
DTC Description	CC2 short circuit to ground
故障发生的可能原因	CC2 对地短路故障
Possible Cause	CC2 short to ground fault
检查项目	CC2 硬线
Check Items	CC2 hard wire
可能的影响	充电工况下功率限一半，放电工况下正常运行
Possible Symptom	The power limit is half under charging conditions, and normal operation under discharge conditions
故障诊断码的判断条件	CC2 电压＜ 0.5，持续 200ms
Failure criteria	CC2 voltage ＜ 0.5, lasting 200ms
故障治愈条件	CC2 电压大于 0.5
Healing condition	CC2 voltage is greater than 0.5
系统反应（降扭或降速等)	充电工况下功率限一半，放电工况下正常运行

故障码 DTC	P1F04
故障码描述	CC2 合理性故障
DTC Description	CC2 reasonable fault
可能的影响	充电工况下功率限一半，放电工况下正常运行
Possible Symptom	The power limit is half under charging conditions, and normal operation under discharge conditions
故障诊断码的判断条件	CC2 电压 ＜上拉电压 -2V，持续 400ms
Failure criteria	CC2 voltage <pull-up voltage -2V, lasting 400ms
故障治愈条件	CC2 电压 ＞上拉电压 -2V
Healing condition	CC2 voltage> pull-up voltage -2V
系统反应（降扭或降速等)	充电工况下功率限一半，放电工况下正常运行

故障码 DTC	P1B2A
故障码描述	充电桩内部故障
DTC Description	Charging pile internal failure
故障发生的可能原因	充电桩
Possible Cause	Charging pile
检查项目	充电桩
Check Items	Charging pile
可能的影响	BMS 正常运行
Possible Symptom	BMS is operating normally
故障诊断码的判断条件	CST 报文中存在故障
Failure criteria	There is a fault in the CST message
故障治愈条件	CST 故障消除
Healing condition	CST troubleshooting
系统反应（降扭或降速等）	BMS 正常运行

故障码 DTC	P0A0A
故障码描述	HVIL 开路
DTC Description	HVIL open circuit
故障发生的可能原因	高压回路开路
Possible Cause	High voltage circuit open
检查项目	高压回路
Check Items	High voltage circuit
可能的影响	BMS 正常运行
Possible Symptom	BMS is operating normally
故障诊断码的判断条件	高压互锁频率和占空比在正常值的± 10 区间之外（正常频率：88Hz；正常占空比：50%）并持续 300ms
Failure criteria	The high voltage interlock frequency and duty cycle are outside the range of ± 10 of the normal value (normal frequency: 88Hz; normal duty cycle: 50%) and lasts for 300ms
故障治愈条件	高压互锁频率和占空比为正常值
Healing condition	High voltage interlock frequency and duty cycle are normal values
系统反应（降扭或降速等）	BMS 正常运行

故障码 DTC	P0A7D
故障码描述	SOC 低 Alarm 故障
DTC Description	SOC low alarm failure
故障发生的可能原因	SOC 过低
Possible Cause	SOC is too low
检查项目	仪表 SOC 值
Check Items	Instrument SOC value
可能的影响	BMS 正常运行
Possible Symptom	BMS is operating normally
故障诊断码的判断条件	SOC<14%，持续 3S 后报出故障
Failure criteria	SOC<14%, report failure after 3S
故障治愈条件	SOC>16%
Healing condition	SOC>16%
系统反应（降扭或降速等）	仅记录故障码，无系统反应

故障码 DTC	U1000
故障码描述	BMS 接收充电桩超时报文
DTC Description	BMS receives charging stub timeout message
故障发生的可能原因	充电桩
Possible Cause	Charging pile
检查项目	充电桩
Check Items	Charging pile
可能的影响	BMS 正常运行
Possible Symptom	BMS is operating normally
故障诊断码的判断条件	桩发 CEM 报文
Failure criteria	Post CEM message
故障治愈条件	桩停发 CEM 报文
Healing condition	Pile stops sending CEM messages
系统反应（降扭或降速等）	BMS 正常运行

故障码 DTC	U1001
故障码描述	直流充电 CAN Busoff
DTC Description	DC charging CAN Busoff
故障发生的可能原因	充电 CAN_H 和 CAN_L 短路
Possible Cause	Charging CAN_H and CAN_L short circuit
检查项目	测量充电 CAN_H 和 CAN_L 之间的电阻
Check Items	Measure the resistance between charging CAN_H and CAN_L
可能的影响	BMS 正常运行
Possible Symptom	BMS is operating normally
故障诊断码的判断条件	直流充电 CANbus-off 故障
Failure criteria	DC charging CANbus-off failure
故障治愈条件	保持之前状态，收到报文后会自动恢复
Healing condition	Keep the previous state, it will automatically recover after receiving the message
系统反应（降扭或降速等）	BMS 正常运行

故障码 DTC	U1002
故障码描述	BMS 接收充电桩 CRM00 超时
DTC Description	BMS receives charging stub CRM00 timeout
故障发生的可能原因	充电桩
Possible Cause	Charging pile
检查项目	充电桩
Check Items	Charging pile
可能的影响	BMS 正常运行
Possible Symptom	BMS is operating normally
故障诊断码的判断条件	未收到 CRM00
Failure criteria	CRM00 not received
故障治愈条件	收到 CRM00
Healing condition	Received CRM00
系统反应（降扭或降速等）	BMS 正常运行

故障码 **DTC**	U1003
故障码描述	BMS 接收充电桩 CRMAA 超时
DTC Description	BMS Receive Charging Pile CRMAA Timeout
故障发生的可能原因	充电桩
Possible Cause	Charging pile
检查项目	充电桩
Check Items	Charging pile
可能的影响	BMS 正常运行
Possible Symptom	BMS is operating normally
故障诊断码的判断条件	未收到 CRMAA
Failure criteria	CRMAA not received
故障治愈条件	收到 CRMAA
Healing condition	Receive CRMAA
系统反应（降扭或降速等）	BMS 正常运行

故障码 **DTC**	U1004
故障码描述	BMS 接收充电桩 CTSCML 超时
DTC Description	BMS Receive Charging Pile CTSCML Timeout
故障发生的可能原因	充电桩
Possible Cause	Charging pile
检查项目	充电桩
Check Items	Charging pile
可能的影响	BMS 正常运行
Possible Symptom	BMS is operating normally
故障诊断码的判断条件	未收到 CML
Failure criteria	CML not received
故障治愈条件	收到 CML
Healing condition	Received CML
系统反应（降扭或降速等）	BMS 正常运行

故障码 DTC	U1005
故障码描述	BMS 接收充电桩 CRO 超时
DTC Description	BMS receives charging pile CRO timeout
故障发生的可能原因	充电桩
Possible Cause	Charging pile
检查项目	充电桩
Check Items	Charging pile
可能的影响	BMS 正常运行
Possible Symptom	BMS is operating normally
故障诊断码的判断条件	未收到 CRO
Failure criteria	CRO not received
故障治愈条件	收到 CRO
Healing condition	Receive CRO
系统反应（降扭或降速等）	BMS 正常运行

故障码 DTC	U1006
故障码描述	BMS 接收充电桩 CCS 超时
DTC Description	BMS receives charging pile CCS timeout
故障发生的可能原因	充电桩
Possible Cause	Charging pile
检查项目	充电桩
Check Items	Charging pile
可能的影响	BMS 正常运行
Possible Symptom	BMS is operating normally
故障诊断码的判断条件	未收到 CCS
Failure criteria	CCS not received
故障治愈条件	收到 CCS
Healing condition	Receive CCS
系统反应（降扭或降速等）	BMS 正常运行

故障码 DTC	PD007
故障码描述	BMS 接收充电桩 CST 超时
DTC Description	BMS receives charging stub CST timeout
故障发生的可能原因	充电桩
Possible Cause	Charging pile
检查项目	充电桩
Check Items	Charging pile
可能的影响	BMS 正常运行
Possible Symptom	BMS is operating normally
故障诊断码的判断条件	未收到 CST
Failure criteria	CST not received
故障治愈条件	收到 CST
Healing condition	Receive CST
系统反应（降扭或降速等）	BMS 正常运行

故障码 DTC	PD008
故障码描述	BMS 接收充电桩 CSD 超时
DTC Description	BMS receives charging stub CSD timeout
故障发生的可能原因	充电桩
Possible Cause	Charging pile
检查项目	充电桩
Check Items	Charging pile
可能的影响	BMS 正常运行
Possible Symptom	BMS is operating normally
故障诊断码的判断条件	未收到 CSD
Failure criteria	CSD not received
故障治愈条件	收到 CSD
Healing condition	Receive CSD
系统反应（降扭或降速等）	BMS 正常运行

故障码 DTC	P1B2E
故障码描述	快充枪正极温度传感器对电源短路或开路
DTC Description	Fast charge gun positive temperature sensor short circuit or open circuit
故障发生的可能原因	快充枪正极温度传感器对电源短路或开路
Possible Cause	The positive temperature sensor of the quick charge gun is shorted or open to the power supply
检查项目	快充枪正极温度传感器
Check Items	Fast charge gun positive temperature sensor
可能的影响	充电工况下功率限一半，放电工况下正常运行
Possible Symptom	The power limit is half under charging conditions, and normal operation under discharge conditions
故障诊断码的判断条件	快充枪正极温度传感器电阻＞ 390，持续 10s
Failure criteria	The resistance of the positive temperature sensor of the fast charging gun>390, lasting 10s
故障治愈条件	快充枪正极温度传感器电阻小于 390
Healing condition	The resistance of the positive temperature sensor of the fast charging gun is less than 390
系统反应（降扭或降速等）	充电工况下功率限一半，放电工况下正常运行

故障码 DTC	P1DF6
故障码描述	SOH 低 1 级故障
DTC Description	SOH low level 1 fault
故障发生的可能原因	电芯衰退或者计算误差
Possible Cause	Cell degradation or calculation error
检查项目	做好记录告诉主机厂
Check Items	Make a record and tell the OEM
可能的影响	BMS 正常运行
Possible Symptom	BMS is operating normally
系统反应（降扭或降速等）	仅记录故障码，无系统反应

故障码 DTC	P1B2F
故障码描述	快充枪正极温度传感器对地短路
DTC Description	Fast charge gun positive temperature sensor shorted to ground
故障发生的可能原因	快充枪正极温度传感器对地短路
Possible Cause	The positive temperature sensor of the quick charge gun is shorted to the ground
检查项目	快充枪正极温度传感器
Check Items	Fast charge gun positive temperature sensor
可能的影响	充电工况下功率限一半，放电工况下正常运行
Possible Symptom	The power limit is half under charging conditions, and normal operation under discharge conditions
故障诊断码的判断条件	快充枪正极温度传感器电阻小于 0.04，持续 10s
Failure criteria	The resistance of the positive temperature sensor of the fast charging gun is less than 0.04 for 10s
故障治愈条件	快充枪正极温度传感器电阻大于 0.04
Healing condition	The resistance of the positive temperature sensor of the fast charging gun is greater than 0.04
系统反应（降扭或降速等）	充电工况下功率限一半，放电工况下正常运行

故障码 DTC	P1B31
故障码描述	快充枪负极温度传感器对电源短路或开路
DTC Description	The fast charge gun negative temperature sensor is shorted or open to the power supply
故障发生的可能原因	快充枪负极温度传感器对电源短路或开路
Possible Cause	The negative temperature sensor of the fast charging gun is shorted or open to the power supply
检查项目	快充枪负极温度传感器
Check Items	Negative temperature sensor of fast charging gun
可能的影响	充电工况下功率限一半，放电工况下正常运行
Possible Symptom	The power limit is half under charging conditions, and normal operation under discharge conditions
故障诊断码的判断条件	快充枪负极温度传感器电阻＞ 390，持续 10s
Failure criteria	The resistance of the negative temperature sensor of the fast charging gun>390, lasting 10s
故障治愈条件	快充枪负极温度传感器电阻小于 390
Healing condition	The resistance of the negative temperature sensor of the fast charging gun is less than 390
系统反应（降扭或降速等）	充电工况下功率限一半，放电工况下正常运行

故障码 DTC	P1B32
故障码描述	快充枪负极温度传感器对地短路
DTC Description	Fast charge gun negative temperature sensor shorted to ground
故障发生的可能原因	快充枪负极温度传感器对地短路
Possible Cause	The negative temperature sensor of the fast charging gun is shorted to the ground
检查项目	快充枪负极温度传感器
Check Items	Negative temperature sensor of fast charging gun
可能的影响	充电工况下功率限一半，放电工况下正常运行
Possible Symptom	The power limit is half under charging conditions, and normal operation under discharge conditions
故障诊断码的判断条件	快充枪负极温度传感器电阻小于 0.04，持续 10s
Failure criteria	The resistance of the negative temperature sensor of the fast charging gun is less than 0.04, lasting 10s
故障治愈条件	快充枪负极温度传感器电阻大于 0.04
Healing condition	The resistance of the negative temperature sensor of the fast charging gun is greater than 0.04
系统反应（降扭或降速等）	充电工况下功率限一半，放电工况下正常运行

故障码 DTC	P1B19
故障码描述	慢充枪正极温度传感器对电源短路或开路
DTC Description	Slow-fill gun positive temperature sensor shorts or opens the power supply
故障发生的可能原因	慢充枪正极温度传感器对电源短路或开路
Possible Cause	The positive temperature sensor of the slow charging gun is shorted or open to the power supply
检查项目	慢充枪正极温度传感器
Check Items	Slow charging gun positive temperature sensor
可能的影响	充电工况下功率限一半，放电工况下正常运行
Possible Symptom	The power limit is half under charging conditions, and normal operation under discharge conditions
故障诊断码的判断条件	慢充枪正极温度传感器电阻＞ 390，持续 10s
Failure criteria	The resistance of the positive temperature sensor of the slow charging gun>390, lasts 10s
故障治愈条件	慢充枪正极温度传感器电阻小于 390
Healing condition	The resistance of the positive temperature sensor of the slow charging gun is less than 390
系统反应（降扭或降速等）	充电工况下功率限一半，放电工况下正常运行

故障码 DTC	P1B1A
故障码描述	慢充枪正极温度传感器对地短路
DTC Description	Slow charge gun positive temperature sensor shorted to ground
故障发生的可能原因	慢充枪正极温度传感器对地短路
Possible Cause	The positive temperature sensor of the slow charging gun is shorted to the ground
检查项目	慢充枪正极温度传感器
Check Items	Slow charging gun positive temperature sensor
可能的影响	充电工况下功率限一半，放电工况下正常运行
Possible Symptom	The power limit is half under charging conditions, and normal operation under discharge conditions
故障诊断码的判断条件	慢充枪正极温度传感器电阻小于 0.04，持续 10s
Failure criteria	The resistance of the positive temperature sensor of the slow charging gun is less than 0.04 and lasts for 10s
故障治愈条件	慢充枪正极温度传感器电阻大于 0.04
Healing condition	The resistance of the positive temperature sensor of the slow charging gun is greater than 0.04
系统反应（降扭或降速等）	充电工况下功率限一半，放电工况下正常运行

故障码 DTC	P1B1C
故障码描述	慢充枪负极温度传感器对电源短路或开路
DTC Description	Slow charge gun negative temperature sensor short circuit or open circuit
故障发生的可能原因	慢充枪负极温度传感器对电源短路或开路
Possible Cause	The negative temperature sensor of the slow charging gun is shorted or open to the power supply
检查项目	慢充枪正极温度传感器
Check Items	Slow charging gun positive temperature sensor
可能的影响	充电工况下功率限一半，放电工况下正常运行
Possible Symptom	The power limit is half under charging conditions, and normal operation under discharge conditions
故障诊断码的判断条件	慢充枪正极温度传感器电阻＞ 390 ，持续 10s
Failure criteria	The resistance of the positive temperature sensor of the slow charging gun>390, lasts 10s
故障治愈条件	慢充枪负极温度传感器电阻小于 390
Healing condition	The resistance of the negative temperature sensor of the slow charging gun is less than 390
系统反应（降扭或降速等）	充电工况下功率限一半，放电工况下正常运行

故障码 DTC	P1B1D
故障码描述	慢充枪负极温度传感器对地短路
DTC Description	Slow charge gun negative temperature sensor shorted to ground
故障发生的可能原因	慢充枪负极温度传感器对地短路
Possible Cause	The negative temperature sensor of the slow charging gun is shorted to the ground
检查项目	慢充枪正极温度传感器
Check Items	Slow charging gun positive temperature sensor
可能的影响	充电工况下功率限一半，放电工况下正常运行
Possible Symptom	The power limit is half under charging conditions, and normal operation under discharge conditions
故障诊断码的判断条件	慢充枪正极温度传感器电阻小于 0.04，持续 10s
Failure criteria	The resistance of the positive temperature sensor of the slow charging gun is less than 0.04, lasting 10s
故障治愈条件	慢充枪负极温度传感器电阻大于 0.04
Healing condition	The resistance of the negative temperature sensor of the slow charging gun is greater than 0.04
系统反应（降扭或降速等）	充电工况下功率限一半，放电工况下正常运行

故障码 DTC	P1B2B
故障码描述	直流充电桩充电能力不足
DTC Description	Insufficient charging capacity of DC charging pile
故障发生的可能原因	充电桩
Possible Cause	Charging pile
检查项目	充电桩
Check Items	Charging pile
可能的影响	BMS 正常运行
Possible Symptom	BMS is operating normally
故障诊断码的判断条件	a. DC 充电桩最大允许充电电压＜最大允许充电电压 413V b. DC 充电桩最大允许充电电流＜ 5A
Failure criteria	a. DC charging pile maximum allowable charging voltage <maximum allowable charging voltage 413V b. The maximum allowable charging current of the DC charging pile is less than 5A
故障治愈条件	a. DC 充电桩最大允许充电电压＞最大允许充电电压 403V b. DC 充电桩最大允许充电电流＞ 5A
Healing condition	a. DC charging pile maximum allowable charging voltage ＞ maximum allowable charging voltage 403V b. The maximum allowable charging current of the DC charging pile>5A
系统反应（降扭或降速等）	BMS 正常运行

故障码 DTC	P1B14
故障码描述	交流充电机电流不可控
DTC Description	AC charger current is uncontrollable
故障发生的可能原因	交流充电机
Possible Cause	AC charger
检查项目	交流充电机
Check Items	AC charger
可能的影响	充电工况下功率限一半，放电工况下正常运行
Possible Symptom	The power limit is half under charging conditions, and normal operation under discharge conditions
故障诊断码的判断条件	AC 请求电流与 AC 充电机当前充电电流差值大于 10A 并持续 60s
Failure criteria	The difference between the AC request current and the current charging current of the AC charger is greater than 10A and lasts for 60s
故障治愈条件	AC 请求电流与 AC 充电机当前充电电流差值小于 10A
Healing condition	The difference between the AC request current and the current charging current of the AC charger is less than 10A
系统反应（降扭或降速等）	充电工况下功率限一半，放电工况下正常运行

故障码 DTC	P1B13
故障码描述	交流充电机充电能力不足
DTC Description	Insufficient charging capacity of AC charger
故障发生的可能原因	交流充电机
Possible Cause	AC charger
检查项目	交流充电机
Check Items	AC charger
可能的影响	BMS 正常运行
Possible Symptom	BMS is operating normally
故障诊断码的判断条件	a. AC 充电机最大允许充电电压小于最大允许充电电压 413V b. AC 充电机最大允许充电电流＜标定值 5A 并持续 30s
Failure criteria	a. The maximum allowable charging voltage of the AC charger is less than the maximum allowable charging voltage of 413V b. The maximum allowable charging current of the AC charger is less than the nominal value of 5A and lasts for 30s
故障治愈条件	a. AC 充电机最大允许充电电压≥最大允许充电电压 403V b. AC 充电机最大允许充电电流小≥标定值 5A
Healing condition	a. AC charger maximum allowable charging voltage ≥ maximum allowable charging voltage 403V b. The maximum allowable charging current of the AC charger is small ≥ the calibration value 5A
系统反应（降扭或降速等）	BMS 正常运行

故障码 DTC	P1DF6
故障码描述	SOH 低 2 级故障
DTC Description	SOH low level 2 fault
故障发生的可能原因	电芯衰退或者计算误差
Possible Cause	Cell degradation or calculation error
检查项目	做好记录告诉主机厂
Check Items	Make a record and tell the OEM
可能的影响	BMS 正常运行
Possible Symptom	BMS is operating normally
系统反应（降扭或降速等）	仅记录故障码，无系统反应

故障码 DTC	P1DF2
故障码描述	慢充接口温度 1 级报警
DTC Description	Slow charging interface temperature level 1 alarm
故障发生的可能原因	充电座线束
Possible Cause	Charging seat wire harness
检查项目	充电座线束
Check Items	Charging seat wire harness
可能的影响	BMS 正常运行
Possible Symptom	BMS is operating normally
故障诊断码的判断条件	慢充接口温度大于 80 并持续 2000ms
Failure criteria	Slow charge interface temperature is greater than 80 and lasts for 2000ms
故障治愈条件	慢充接口温度小于 76
Healing condition	Slow charging interface temperature is less than 76
系统反应（降扭或降速等）	BMS 正常运行

故障码 DTC	P1DF2
故障码描述	慢充接口温度 2 级报警
DTC Description	Slow charging interface temperature level 2 alarm
故障发生的可能原因	充电座线束
Possible Cause	Charging seat wire harness
检查项目	充电座线束
Check Items	Charging seat wire harness
可能的影响	充电工况下功率限一半，放电工况下正常运行
Possible Symptom	The power limit is half under charging conditions, and normal operation under discharge conditions
故障诊断码的判断条件	慢充接口温度大于 90 并持续 2000ms
Failure criteria	Slow charging interface temperature is greater than 90 and lasts for 2000ms
故障治愈条件	慢充接口温度小于 86
Healing condition	Slow charging interface temperature is less than 86
系统反应（降扭或降速等）	充电工况下功率限一半，放电工况下正常运行

故障码 DTC	P1DF2
故障码描述	慢充接口温度 3 级报警
DTC Description	Slow charging interface temperature level 3 alarm
故障发生的可能原因	充电座线束
Possible Cause	Charging seat wire harness
检查项目	充电座线束
Check Items	Charging seat wire harness
可能的影响	充电工况下功率降为 0，放电工况下正常运行
Possible Symptom	The power drops to 0 under charging conditions and normal operation under discharge conditions
故障诊断码的判断条件	慢充接口温度大于 100 并持续 2000ms
Failure criteria	Slow charge interface temperature is greater than 100 and lasts for 2000ms
故障治愈条件	慢充接口温度小于 96
Healing condition	Slow charging interface temperature is less than 96
系统反应（降扭或降速等）	充电工况下功率降为 0，放电工况下正常运行

故障码 DTC	P1DF3
故障码描述	快充接口温度过高 1 级故障
DTC Description	Fast charge interface temperature is too high, level 1 fault
故障发生的可能原因	充电座线束
Possible Cause	Charging seat wire harness
检查项目	充电座线束
Check Items	Charging seat wire harness
可能的影响	BMS 正常运行
Possible Symptom	BMS is operating normally
故障诊断码的判断条件	快充接口温度大于 80 并持续 2000ms
Failure criteria	The temperature of the quick charge interface is greater than 80 and lasts for 2000ms
故障治愈条件	快充接口温度小于 76
Healing condition	Fast charging interface temperature is less than 76
系统反应（降扭或降速等）	BMS 正常运行

故障码 DTC	P1DF3
故障码描述	快充接口温度过高 2 级故障
DTC Description	Fast charge interface temperature is too high 2 level fault
故障发生的可能原因	充电座线束
Possible Cause	Charging seat wire harness
检查项目	充电座线束
Check Items	Charging seat wire harness
可能的影响	充电工况下功率限一半，放电工况下正常运行
Possible Symptom	The power limit is half under charging conditions, and normal operation under discharge conditions
故障诊断码的判断条件	快充接口温度大于 90 并持续 2000ms
Failure criteria	The temperature of the fast charging interface is greater than 90 and lasts for 2000ms
故障治愈条件	快充接口温度小于 86
Healing condition	Fast charge interface temperature is less than 86
系统反应（降扭或降速等）	充电工况下功率限一半，放电工况下正常运行

故障码 DTC	P1DF3
故障码描述	快充接口温度过高 3 级故障
DTC Description	Fast charge interface temperature is too high, level 3 fault
故障发生的可能原因	充电座线束
Possible Cause	Charging seat wire harness
检查项目	充电座线束
Check Items	Charging seat wire harness
可能的影响	充电工况下功率降为 0，放电工况下正常运行
Possible Symptom	The power drops to 0 under charging conditions and normal operation under discharge conditions
故障诊断码的判断条件	快充接口温度大于 100 并持续 2000ms
Failure criteria	The quick charge interface temperature is greater than 100 and lasts for 2000ms
故障治愈条件	快充接口温度小于 96
Healing condition	Fast charging interface temperature is less than 96
系统反应（降扭或降速等）	充电工况下功率降为 0，放电工况下正常运行

故障码 DTC	P1B49
故障码描述	加热膜温度异常
DTC Description	Abnormal heating film temperature
故障发生的可能原因	加热异常
Possible Cause	Abnormal heating
可能的影响	BMS 正常运行
Possible Symptom	BMS is operating normally
故障诊断码的判断条件	最高最低加热膜温度之差大于 40 度并持续 10s
Failure criteria	The difference between the maximum and minimum heating film temperature is greater than 40 degrees and lasts for 10s
故障治愈条件	最高最低加热膜温度之差小于 40 度
Healing condition	The difference between the maximum and minimum heating film temperature is less than 40 degrees
系统反应（降扭或降速等）	BMS 正常运行

故障码 DTC	P1DFB
故障码描述	加热膜温度一级故障
DTC Description	Heating film temperature level failure
故障发生的可能原因	加热异常
Possible Cause	Abnormal heating
可能的影响	BMS 正常运行
Possible Symptom	BMS is operating normally
故障诊断码的判断条件	最高加热膜温度大于 90 并持续 2s
Failure criteria	The highest heating film temperature is greater than 90 and lasts for 2s
故障治愈条件	最高加热膜温度小于 86
Healing condition	The highest heating film temperature is less than 86
系统反应（降扭或降速等）	BMS 正常运行

故障码 DTC	P1DFB
故障码描述	加热膜温度二级故障
DTC Description	Heating film temperature secondary failure
故障发生的可能原因	加热异常
Possible Cause	Abnormal heating
可能的影响	BMS 正常运行
Possible Symptom	BMS is operating normally
故障诊断码的判断条件	最高加热膜温度大于 100 并持续 2s
Failure criteria	The highest heating film temperature is greater than 100 and lasts for 2s
故障治愈条件	最高加热膜温度小于 96
Healing condition	The highest heating film temperature is less than 96
系统反应（降扭或降速等）	BMS 正常运行

故障码 DTC	P1DFB
故障码描述	加热膜温度三级故障
DTC Description	Heating film temperature three-level failure
故障发生的可能原因	加热异常
Possible Cause	Abnormal heating
可能的影响	BMS 正常运行
Possible Symptom	BMS is operating normally
故障诊断码的判断条件	最高加热膜温度大于 110 并持续 2s
Failure criteria	The highest heating film temperature is greater than 110 and lasts for 2s
故障治愈条件	最高加热膜温度小于 106
Healing condition	The highest heating film temperature is less than 106
系统反应（降扭或降速等）	BMS 正常运行

故障码 DTC	P1DF6
故障码描述	SOH 低 3 级故障
DTC Description	SOH low level 3 fault
故障发生的可能原因	电芯衰退或者计算误差
Possible Cause	Cell degradation or calculation error
检查项目	做好记录告诉主机厂
Check Items	Make a record
可能的影响	BMS 正常运行
Possible Symptom	BMS is operating normally
系统反应（降扭或降速等）	仅记录故障码，无系统反应

故障码 DTC	P1B00
故障码描述	RTC 内部故障
DTC Description	RTC internal fault
故障发生的可能原因	RTC 芯片异常
Possible Cause	RTC chip abnormal
可能的影响	BMS 正常运行
Possible Symptom	BMS is operating normally
故障诊断码的判断条件	RTC 指示的 Err 变量非 0
Failure criteria	The Err variable indicated by RTC is not 0
故障治愈条件	RTC 指示的 Err 变量为 0
Healing condition	The Err variable indicated by RTC is 0
系统反应（降扭或降速等）	BMS 正常运行

故障码 DTC	P1B03
故障码描述	系统带载切断
DTC Description	System load cut
可能的影响	BMS 正常运行
Possible Symptom	BMS is operating normally
故障诊断码的判断条件	继电器切断时的电流大于 10A
Failure criteria	The current when the relay is cut off is greater than 10A
故障治愈条件	继电器切断时的电流小于 10A
Healing condition	The current when the relay is cut off is less than 10A
系统反应（降扭或降速等）	BMS 正常运行

故障码 DTC	P0ADC
故障码描述	主正继电器驱动对电源短路
DTC Description	Main positive relay drive shorts the power supply
故障发生的可能原因	主正继电器
Possible Cause	Main positive relay
检查项目	主正继电器
Check Items	Main positive relay
可能的影响	BMS 正常运行
Possible Symptom	BMS is operating normally
故障诊断码的判断条件	主正继电器低边驱动短到电源
Failure criteria	The low-side drive of the main positive relay is short to the power supply
故障治愈条件	驱动正常
Healing condition	Drive is normal
系统反应（降扭或降速等）	BMS 正常运行

故障码 DTC	P0ADB
故障码描述	主正继电器驱动对地短路
DTC Description	Main positive relay drive short to ground
故障发生的可能原因	主正继电器
Possible Cause	Main positive relay
检查项目	主正继电器
Check Items	Main positive relay
可能的影响	BMS 正常运行
Possible Symptom	BMS is operating normally
故障诊断码的判断条件	主正继电器低边驱动短到地
Failure criteria	The low-side drive of the main positive relay is short to ground
故障治愈条件	驱动正常
Healing condition	Drive is normal
系统反应（降扭或降速等）	BMS 正常运行

故障码 DTC	P0AD9
故障码描述	主正继电器驱动开路
DTC Description	Main positive relay drive open circuit
故障发生的可能原因	主正继电器
Possible Cause	Main positive relay
检查项目	主正继电器
Check Items	Main positive relay
可能的影响	BMS 正常运行
Possible Symptom	BMS is operating normally
故障诊断码的判断条件	主正继电器低边驱动开路
Failure criteria	Main positive relay low side drive open circuit
故障治愈条件	驱动正常
Healing condition	Drive is normal
系统反应（降扭或降速等）	BMS 正常运行

故障码 DTC	P0AE0
故障码描述	主负继电器驱动对电源短路
DTC Description	Main negative relay drive shorts to power supply
故障发生的可能原因	主正继电器
Possible Cause	Main positive relay
检查项目	主正继电器
Check Items	Main positive relay
可能的影响	BMS 正常运行
Possible Symptom	BMS is operating normally
故障诊断码的判断条件	主负继电器低边驱动短到电源
Failure criteria	The main negative relay low-side drive is short to the power supply
故障治愈条件	驱动正常
Healing condition	Drive is normal
系统反应（降扭或降速等）	BMS 正常运行

故障码 DTC	P0ADF
故障码描述	主负继电器驱动对地短路
DTC Description	Main negative relay drives short to ground
故障发生的可能原因	主负继电器
Possible Cause	Main negative relay
检查项目	主负继电器
Check Items	Main negative relay
可能的影响	BMS 正常运行
Possible Symptom	BMS is operating normally
故障诊断码的判断条件	主负继电器低边驱动短到地
Failure criteria	The main negative relay low-side drive is short to ground
故障治愈条件	驱动正常
Healing condition	Drive is normal
系统反应（降扭或降速等）	BMS 正常运行

故障码 DTC	P0ADD
故障码描述	主负继电器驱动开路
DTC Description	Main negative relay drives open circuit
故障发生的可能原因	主负继电器
Possible Cause	Main negative relay
检查项目	主负继电器
Check Items	Main negative relay
可能的影响	BMS 正常运行
Possible Symptom	BMS is operating normally
故障诊断码的判断条件	主负继电器低边驱动开路
Failure criteria	Main negative relay low side drive open circuit
故障治愈条件	驱动正常
Healing condition	Drive is normal
系统反应（降扭或降速等）	BMS 正常运行

故障码 DTC	P0AE7
故障码描述	预充继电器驱动对电源短路
DTC Description	Precharge relay drive shorts the power supply
故障发生的可能原因	预充继电器
Possible Cause	Precharge relay
检查项目	预充继电器
Check Items	Precharge relay
可能的影响	BMS 正常运行
Possible Symptom	BMS is operating normally
故障诊断码的判断条件	预充继电器低边驱动短到电源
Failure criteria	The low-side drive of the pre-charged relay is short to the power supply
故障治愈条件	驱动正常
Healing condition	Drive is normal
系统反应（降扭或降速等）	BMS 正常运行

故障码 DTC	P0AE6
故障码描述	预充继电器驱动对地短路或开路
DTC Description	Precharge relay drives short to ground or open circuit
故障发生的可能原因	预充继电器
Possible Cause	Precharge relay
检查项目	预充继电器
Check Items	Precharge relay
可能的影响	BMS 正常运行
Possible Symptom	BMS is operating normally
故障诊断码的判断条件	预充继电器低边驱动短到地或开路
Failure criteria	The low-side drive of the precharge relay is short to ground or open circuit
故障治愈条件	驱动正常
Healing condition	Drive is normal
系统反应（降扭或降速等）	BMS 正常运行

故障码 DTC	P1DF7
故障码描述	放电过功率 1 级故障
DTC Description	Discharge over power level 1 fault
故障发生的可能原因	实际放电功率超过允许使用功率
Possible Cause	The actual discharge power exceeds the allowable power
可能的影响	BMS 正常运行
Possible Symptom	BMS is operating normally
故障诊断码的判断条件	实际功率 >1.1* 查表功率值，持续 10S 后报出故障
Failure criteria	Actual power>1.1*Look up the power value of the table, report a fault after 10S
故障治愈条件	实际功率 < 查表功率
Healing condition	Actual power <look-up power
系统反应（降扭或降速等)	BMS 正常运行

故障码 DTC	P1B0C
故障码描述	交流继电器驱动对电源短路
DTC Description	AC relay drive shorts the power supply
故障发生的可能原因	交流继电器
Possible Cause	AC relay
检查项目	交流继电器
Check Items	AC relay
可能的影响	BMS 正常运行
Possible Symptom	BMS is operating normally
故障诊断码的判断条件	交流继电器驱动对电源短路
Failure criteria	AC relay drive is shorted to the power supply
故障治愈条件	交流继电器正常驱动
Healing condition	AC relay drives normally
系统反应（降扭或降速等)	BMS 正常运行

故障码 DTC	P1B0D
故障码描述	交流继电器驱动对地短路或开路
DTC Description	AC relay drive short to ground or open circuit
故障发生的可能原因	交流继电器
Possible Cause	AC relay
检查项目	交流继电器
Check Items	AC relay
可能的影响	BMS 正常运行
Possible Symptom	BMS is operating normally
故障诊断码的判断条件	交流继电器低边驱动短到地或开路
Failure criteria	AC relay low side drive is short to ground or open circuit
故障治愈条件	交流继电器正常驱动
Healing condition	AC relay drives normally
系统反应（降扭或降速等）	BMS 正常运行

故障码 DTC	P1B1F
故障码描述	直流正继电器驱动对电源短路
DTC Description	DC positive relay drive shorts the power supply
故障发生的可能原因	直流充电正继电器
Possible Cause	DC charging positive relay
检查项目	直流充电正继电器
Check Items	DC charging positive relay
可能的影响	BMS 正常运行
Possible Symptom	BMS is operating normally
故障诊断码的判断条件	直流充电正继电器低边驱动短到电源
Failure criteria	DC charging positive relay low side drive short to power supply
故障治愈条件	驱动正常
Healing condition	Drive is normal
系统反应（降扭或降速等）	BMS 正常运行

故障码 DTC	P1B20
故障码描述	直流正继电器驱动对地短路或开路
DTC Description	DC positive relay drives short to ground or open circuit
故障发生的可能原因	直流充电正继电器
Possible Cause	DC charging positive relay
检查项目	直流充电正继电器
Check Items	DC charging positive relay
可能的影响	BMS 正常运行
Possible Symptom	BMS is operating normally
故障诊断码的判断条件	直流充电正继电器低边驱动短到地或开路
Failure criteria	DC charging positive relay low-side drive is short to ground or open circuit
故障治愈条件	驱动正常
Healing condition	Drive is normal
系统反应（降扭或降速等）	BMS 正常运行

故障码 DTC	P1B24
故障码描述	直流负继电器驱动对电源短路
DTC Description	DC negative relay drive shorts to the power supply
故障发生的可能原因	直流充电负继电器
Possible Cause	DC charging negative relay
检查项目	直流充电负继电器
Check Items	DC charging negative relay
可能的影响	BMS 正常运行
Possible Symptom	BMS is operating normally
故障诊断码的判断条件	直流充电负继电器低边驱动短到电源
Failure criteria	DC charging negative relay low-side drive is short to the power supply
故障治愈条件	驱动正常
Healing condition	Drive is normal
系统反应（降扭或降速等）	BMS 正常运行

故障码 DTC	P1B25
故障码描述	直流负继电器驱动对地短路或开路
DTC Description	DC negative relay drives short to ground or open circuit
故障发生的可能原因	直流充电负继电器
Possible Cause	DC charging negative relay
检查项目	直流充电负继电器
Check Items	DC charging negative relay
可能的影响	BMS 正常运行
Possible Symptom	BMS is operating normally
故障诊断码的判断条件	直流充电负继电器低边驱动短到地或开路
Failure criteria	DC charging negative relay low-side drive is short to ground or open circuit
故障治愈条件	驱动正常
Healing condition	Drive is normal
系统反应（降扭或降速等）	BMS 正常运行

故障码 DTC	P0E14
故障码描述	加热继电器驱动对电源短路
DTC Description	Heating relay drive shorts the power supply
故障发生的可能原因	加热继电器
Possible Cause	Heating relay
检查项目	加热继电器
Check Items	Heating relay
可能的影响	BMS 正常运行
Possible Symptom	BMS is operating normally
故障诊断码的判断条件	加热继电器低边驱动短到电源
Failure criteria	Heating relay low side drive is short to power supply
故障治愈条件	驱动正常
Healing condition	Drive is normal
系统反应（降扭或降速等）	BMS 正常运行

故障码 DTC	P0E13
故障码描述	加热继电器驱动对地短路或开路
DTC Description	Heating relay drives short to ground or open circuit
故障发生的可能原因	加热继电器
Possible Cause	Heating relay
检查项目	加热继电器
Check Items	Heating relay
可能的影响	BMS 正常运行
Possible Symptom	BMS is operating normally
故障诊断码的判断条件	加热继电器低边驱动短到地或开路
Failure criteria	Heating relay low-side drive is short to ground or open circuit
故障治愈条件	驱动正常
Healing condition	Drive is normal
系统反应（降扭或降速等）	BMS 正常运行

故障码 DTC	P0AA2
故障码描述	主正继电器常开故障
DTC Description	Main positive relay normally open fault
故障发生的可能原因	主正继电器
Possible Cause	Main positive relay
检查项目	主正继电器
Check Items	Main positive relay
可能的影响	BMS 功率为 0kw
Possible Symptom	BMS power is 0kw
故障诊断码的判断条件	主正继电器无法正常闭合
Failure criteria	The main positive relay cannot be closed normally
故障治愈条件	可以正常闭合
Healing condition	Can be closed normally
系统反应（降扭或降速等）	充电工况下功率降为 0kw，放电工况下 90s 内功率降为 0

故障码 DTC	P0AA1
故障码描述	主正继电器粘连故障
DTC Description	Main positive relay stuck fault
故障发生的可能原因	主正继电器
Possible Cause	Main positive relay
检查项目	主正继电器
Check Items	Main positive relay
可能的影响	BMS 功率为 0kw
Possible Symptom	BMS power is 0kw
故障诊断码的判断条件	主正继电器无法正常断开
Failure criteria	The main positive relay cannot be disconnected normally
故障治愈条件	可以正常断开
Healing condition	Can be disconnected normally
系统反应（降扭或降速等）	BMS 功率为 0kw

故障码 DTC	P1DF7
故障码描述	放电过功率 2 级故障
DTC Description	Discharge over power level 2 fault
故障发生的可能原因	实际放电功率超过允许使用功率
Possible Cause	The actual discharge power exceeds the allowable power
可能的影响	充电工况下 BMS 正常运行，放电工况下功率限一半
Possible Symptom	The BMS operates normally under charging conditions, and the power limit is half under discharge conditions
故障诊断码的判断条件	实际功率 >1.2* 查表功率值，持续 10S 后报出故障
Failure criteria	Actual power>1.2*Look up the power value of the table, report a fault after 10S
故障治愈条件	实际功率 <1.1 查表功率
Healing condition	Actual power <1.1 look-up power
系统反应（降扭或降速等）	充电工况下 BMS 正常运行，放电工况下功率限一半

故障码 DTC	P0AA5
故障码描述	主负继电器常开故障
DTC Description	Main negative relay normally open fault
故障发生的可能原因	主负继电器
Possible Cause	Main negative relay
检查项目	主负继电器
Check Items	Main negative relay
可能的影响	充电工况下功率降为 0kw，放电工况下 BMS 正常运行
Possible Symptom	The power drops to 0kw under charging conditions, and the BMS runs normally under discharge conditions
故障诊断码的判断条件	主负继电器无法正常闭合
Failure criteria	The main negative relay cannot be closed normally
故障治愈条件	可以正常闭合
Healing condition	Can be closed normally
系统反应（降扭或降速等）	充电工况下功率降为 0kw，放电工况下 90s 内功率降为 0

故障码 DTC	P0AA4
故障码描述	主负继电器粘连故障
DTC Description	Main negative relay stuck fault
故障发生的可能原因	主负继电器
Possible Cause	Main negative relay
检查项目	主负继电器
Check Items	Main negative relay
可能的影响	BMS 功率为 0kw
Possible Symptom	BMS power is 0kw
故障诊断码的判断条件	主负继电器无法正常断开
Failure criteria	The main negative relay cannot be disconnected normally
故障治愈条件	可以正常断开
Healing condition	Can be disconnected normally
系统反应（降扭或降速等）	BMS 功率为 0kw

故障码 DTC	P0AE3
故障码描述	预充继电器常开故障
DTC Description	Pre-charge relay normally open fault
故障发生的可能原因	预充继电器
Possible Cause	Precharge relay
检查项目	预充继电器
Check Items	Precharge relay
可能的影响	充电工况下功率降为 0，放电工况下 90s 内功率降为 0kw
Possible Symptom	The power drops to 0 under charging conditions, and the power drops to 0kw within 90s under discharge conditions
故障诊断码的判断条件	预充继电器无法正常闭合
Failure criteria	The precharge relay cannot be closed normally
故障治愈条件	可以正常闭合
Healing condition	Can be closed normally
系统反应（降扭或降速等）	充电工况下功率降为 0，放电工况下 90s 内功率降为 0kw

故障码 DTC	P0AE2
故障码描述	预充继电器粘连故障
DTC Description	Precharge relay stuck fault
故障发生的可能原因	预充继电器
Possible Cause	Precharge relay
检查项目	预充继电器
Check Items	Precharge relay
可能的影响	BMS 功率为 0kw
Possible Symptom	BMS power is 0kw
故障诊断码的判断条件	预充继电器无法正常断开
Failure criteria	The precharge relay cannot be disconnected normally
故障治愈条件	预充继电器无法正常断开
Healing condition	The precharge relay cannot be disconnected normally
系统反应（降扭或降速等）	BMS 功率为 0kw

故障码 DTC	P1B0F
故障码描述	交流继电器常开
DTC Description	AC relay normally open
故障发生的可能原因	交流继电器
Possible Cause	AC relay
检查项目	交流继电器
Check Items	AC relay
可能的影响	充电工况下功率降为 0，放电工况下正常运行
Possible Symptom	The power drops to 0 under charging conditions and normal operation under discharge conditions
故障诊断码的判断条件	交流继电器无法正常闭合
Failure criteria	AC relay cannot be closed normally
故障治愈条件	交流继电器正常闭合
Healing condition	AC relay is closed normally
系统反应（降扭或降速等）	充电工况下功率降为 0，放电工况下正常运行

故障码 DTC	P1B10
故障码描述	交流继电器粘连
DTC Description	AC relay adhesion
故障发生的可能原因	交流继电器
Possible Cause	AC relay
检查项目	交流继电器
Check Items	AC relay
可能的影响	充电工况下功率降为 0，放电工况下正常运行
Possible Symptom	The power drops to 0 under charging conditions and normal operation under discharge conditions
故障诊断码的判断条件	交流继电器无法正常断开
Failure criteria	AC relay cannot be disconnected normally
故障治愈条件	交流继电器正常断开
Healing condition	AC relay is normally disconnected
系统反应（降扭或降速等）	充电工况下功率降为 0，放电工况下正常运行

故障码 DTC	P1B22
故障码描述	直流充电正继电器常开
DTC Description	DC charging positive relay normally open
故障发生的可能原因	直流充电正继电器
Possible Cause	DC charging positive relay
检查项目	直流充电正继电器
Check Items	DC charging positive relay
可能的影响	充电工况下功率降为 0kw，放电工况下 BMS 正常运行
Possible Symptom	The power drops to 0kw under charging conditions, and the BMS runs normally under discharge conditions
故障诊断码的判断条件	直流正电器无法正常闭合
Failure criteria	The DC positive appliance cannot be closed normally
故障治愈条件	可以正常闭合
Healing condition	Can be closed normally
系统反应（降扭或降速等）	充电工况下功率降为 0kw，放电工况下 BMS 正常运行

故障码 DTC	P1B23
故障码描述	直流充电正继电器粘连
DTC Description	DC charging positive relay adhesion
故障发生的可能原因	直流充电正继电器
Possible Cause	DC charging positive relay
检查项目	直流充电正继电器
Check Items	DC charging positive relay
可能的影响	充电工况下功率降为 0kw，放电工况下功率 90s 内降为 0
Possible Symptom	The power drops to 0kw under charging conditions, and it drops to 0 within 90s under discharge conditions
故障诊断码的判断条件	直流正继电器无法正常断开
Failure criteria	The DC positive relay cannot be disconnected normally
故障治愈条件	可以正常断开
Healing condition	Can be disconnected normally
系统反应（降扭或降速等）	充电工况下功率降为 0kw，放电工况下正常运行

故障码 DTC	P1B27
故障码描述	直流充电负继电器常开
DTC Description	DC charging negative relay normally open
故障发生的可能原因	直流充电负继电器
Possible Cause	DC charging negative relay
检查项目	直流充电负继电器
Check Items	DC charging negative relay
可能的影响	充电工况下功率降为 0kw，放电工况下 BMS 正常运行
Possible Symptom	The power drops to 0kw under charging conditions, and the BMS runs normally under discharge conditions
故障诊断码的判断条件	直流负继电器无法正常闭合
Failure criteria	The DC negative relay cannot be closed normally
故障治愈条件	可以正常闭合
Healing condition	Can be closed normally
系统反应（降扭或降速等）	充电工况下功率降为 0kw，放电工况下 BMS 正常运行

故障码 DTC	P1B28
故障码描述	直流充电负继电器粘连
DTC Description	DC charging negative relay adhesion
故障发生的可能原因	直流充电负继电器
Possible Cause	DC charging negative relay
检查项目	直流充电负继电器
Check Items	DC charging negative relay
可能的影响	充电工况下功率降为 0kw，放电工况下功率 90s 内降为 0
Possible Symptom	The power drops to 0kw under charging conditions, and it drops to 0 within 90s under discharge conditions
故障诊断码的判断条件	直流负继电器无法正常断开
Failure criteria	The DC negative relay cannot be disconnected normally
故障治愈条件	可以正常断开
Healing condition	Can be disconnected normally
系统反应（降扭或降速等）	充电工况下功率降为 0kw，放电工况下功率 90s 内降为 0

故障码 DTC	P1DF7
故障码描述	放电过功率 3 级故障
DTC Description	Discharge over power level 3 fault
故障发生的可能原因	实际放电功率超过允许使用功率
Possible Cause	The actual discharge power exceeds the allowable power
可能的影响	充电工况下 BMS 正常运行，放电工况下功率限至 10kw
Possible Symptom	The BMS operates normally under charging conditions, and the power is limited to 10kw under discharge conditions
故障诊断码的判断条件	实际功率 >1.3* 查表功率值，持续 10S 后报出故障
Failure criteria	Actual power>1.3*Look up the power value of the table, report a fault after 10S
故障治愈条件	实际功率 <1.2 查表功率
Healing condition	Actual power <1.2 look-up power
系统反应（降扭或降速等）	充电工况下 BMS 正常运行，放电工况下功率限至 10kw

故障码 DTC	P1B37
故障码描述	加热继电器常开
DTC Description	Heating relay normally open
故障发生的可能原因	加热继电器
Possible Cause	Heating relay
检查项目	加热继电器
Check Items	Heating relay
可能的影响	BMS 正常运行
Possible Symptom	BMS is operating normally
故障诊断码的判断条件	加热继电器无法正常闭合
Failure criteria	The heating relay cannot be closed normally
故障治愈条件	可以正常闭合
Healing condition	Can be closed normally
系统反应（降扭或降速等）	BMS 正常运行

故障码 DTC	P1B38
故障码描述	加热继电器粘连
DTC Description	Heating relay adhesion
故障发生的可能原因	加热继电器
Possible Cause	Heating relay
检查项目	加热继电器
Check Items	Heating relay
可能的影响	充电工况下功率降为 0，放电工况下功率 90s 内降为 0
Possible Symptom	The power drops to 0 under charging conditions, and the power drops to 0 within 90s under discharge conditions
故障诊断码的判断条件	加热继电器无法正常断开
Failure criteria	The heating relay cannot be disconnected normally
故障治愈条件	可以正常断开
Healing condition	Can be disconnected normally
系统反应（降扭或降速等)	充电工况下功率降为 0，放电工况下功率 90s 内降为 0

故障码 DTC	P1B3B
故障码描述	MSD 保险丝损坏
DTC Description	MSD fuse is damaged
故障发生的可能原因	MSD 保险丝损失
Possible Cause	MSD fuse loss
检查项目	MSD 保险丝
Check Items	MSD fuse
可能的影响	BMS 功率为 0kw
Possible Symptom	BMS power is 0kw
故障诊断码的判断条件	无高压互锁， Pack 电压小于 60V，持续 1000ms
Failure criteria	No high voltage interlock, Pack voltage is less than 60V, lasting 1000ms
故障治愈条件	高压互锁正常， Pack 电压正常
Healing condition	High voltage interlock is normal, Pack voltage is normal
系统反应（降扭或降速等)	BMS 功率为 0kw

故障码 DTC	P1B09
故障码描述	预充失败
DTC Description	Precharge failure
故障发生的可能原因	连续出现 3 次无法上高压
Possible Cause	Unable to get high pressure 3 times in a row
检查项目	检查高压附件
Check Items	Check high voltage accessories
可能的影响	BMS 功率为 0kw
Possible Symptom	BMS power is 0kw
故障诊断码的判断条件	预充超过三次，也无法上高压
Failure criteria	Pre-charged more than three times, can't get high voltage
故障治愈条件	三次内预充成功
Healing condition	Precharge successfully within three times
系统反应（降扭或降速等)	BMS 功率为 0kw

故障码 DTC	P1B0A
故障码描述	预充负载短路
DTC Description	Preloaded load short circuit
故障发生的可能原因	预充过程中预充电流持续过高
Possible Cause	The precharge current continues to be too high during the precharge process
检查项目	检查高压附件
Check Items	Check high voltage accessories
可能的影响	BMS 主动下高压
Possible Symptom	BMS actively under high pressure
故障诊断码的判断条件	预充时，预充电流超过 （pack 电压 / 预充电阻值） *0.8，且持续 100ms
Failure criteria	During precharge, the precharge current exceeds (pack voltage/precharge resistance value)*0.8, and lasts for 100ms
故障治愈条件	预充电流正常
Healing condition	Precharge flow is normal
系统反应（降扭或降速等)	BMS 主动下高压

故障码 DTC	P1B0B
故障码描述	预充电流反向
DTC Description	Precharge flow reversal
可能的影响	BMS 正常运行
Possible Symptom	BMS is operating normally
故障诊断码的判断条件	预充时，预充电流是小于 0，持续 100ms
Failure criteria	When precharging, the precharging current is less than 0 and lasts for 100ms
故障治愈条件	预充时电流大于 0
Healing condition	Current is greater than 0 during precharge
系统反应（降扭或降速等)	BMS 正常运行

故障码 DTC	P0AA6
故障码描述	绝缘检测 1 级故障
DTC Description	Insulation detection level 1 fault
故障发生的可能原因	绝缘问题
Possible Cause	Insulation problem
检查项目	量高压回路与车身地的绝缘阻值
Check Items	Measure the insulation resistance between the high-voltage circuit and the body ground
可能的影响	BMS 正常运行
Possible Symptom	BMS is operating normally
故障诊断码的判断条件	（绝缘值 /Pack 电压） <1000，持续 20s
Failure criteria	(Insulation value/Pack voltage) <1000 for 20s
故障治愈条件	（绝缘值 /Pack 电压）＞ 1000
Healing condition	(Insulation value/Pack voltage)>1000
系统反应（降扭或降速等)	BMS 正常运行

故障码 DTC	P0AA6
故障码描述	绝缘检测 2 级故障
DTC Description	Insulation detection level 2 fault
故障发生的可能原因	绝缘问题
Possible Cause	Insulation problem
检查项目	量高压回路与车身地的绝缘阻值
Check Items	Measure the insulation resistance between the high-voltage circuit and the body ground
可能的影响	BMS 功率限至一半
Possible Symptom	BMS power is limited to half
故障诊断码的判断条件	（绝缘值 /Pack 电压） <600，持续 20s
Failure criteria	(Insulation value/Pack voltage) <600, lasting 20s
故障治愈条件	（绝缘值 /Pack 电压）＞ 600
Healing condition	(Insulation value/Pack voltage)>600
系统反应（降扭或降速等)	BMS 功率限至一半

故障码 DTC	P0AA6
故障码描述	绝缘检测 3 级故障
DTC Description	Insulation detection level 3 fault
故障发生的可能原因	绝缘问题
Possible Cause	Insulation problem
检查项目	量高压回路与车身地的绝缘阻值
Check Items	Measure the insulation resistance between the high-voltage circuit and the body ground
可能的影响	充电工况下功率降为 0kw，放电工况下功率限至 10kw
Possible Symptom	The power is reduced to 0kw under charging conditions, and the power is limited to 10kw under discharge conditions
故障诊断码的判断条件	（绝缘值 /Pack 电压） <200，持续 20s
Failure criteria	(Insulation value/Pack voltage) <200, lasting 20s
故障治愈条件	（绝缘值 /Pack 电压）＞ 200
Healing condition	(Insulation value/Pack voltage)>200
系统反应（降扭或降速等)	充电工况下功率降为 0kw，放电工况下功率限至 10kw

故障码 DTC	P0AA7
故障码描述	绝缘检测电路硬件故障
DTC Description	Insulation detection circuit hardware failure
故障发生的可能原因	绝缘监测电路硬件故障
Possible Cause	Insulation monitoring circuit hardware failure
检查项目	绝缘监测电路硬件
Check Items	Insulation monitoring circuit hardware
可能的影响	充电工况下功率降为 0，放电工况下功率限至 10kw
Possible Symptom	The power is reduced to 0 under charging conditions, and the power is limited to 10kw under discharge conditions
故障诊断码的判断条件	同时进行主正主负采样时，主正主负电压和与 Pack 电压和的差值超过 20V，持续 600ms
Failure criteria	When the main positive and main negative sampling are performed at the same time, the difference between the sum of the main positive, main negative voltage and the Pack voltage sum exceeds 20V for 600ms
故障治愈条件	同时进行主正主负采样时，主正主负电压和与 Pack 电压和的差值小于等于 20V
Healing condition	When the main positive and main negative sampling are performed at the same time, the difference between the sum of the main positive, main and negative voltages and the sum of the Pack voltage is less than or equal to 20V
系统反应（降扭或降速等）	充电工况下功率降为 0，放电工况下功率限至 10kw

故障码 DTC	P1DF8
故障码描述	充电过功率 1 级故障
DTC Description	Charging over power level 1 fault
故障发生的可能原因	实际充电电流超过允许使用充电电流
Possible Cause	The actual charging current exceeds the allowable charging current
可能的影响	BMS 正常运行
Possible Symptom	BMS is operating normally
故障诊断码的判断条件	实际电流 >1.1 查表充电电流，持续 20S 后报出故障
Failure criteria	Actual current>1.1 Check the meter charging current, and report a fault after 20S
故障治愈条件	实际电流 <1.1* 查表充电电流
Healing condition	Actual current<1.1*Check table charging current
系统反应（降扭或降速等）	BMS 正常运行

故障码 DTC	P0A0D
故障码描述	HVIL 对电源短路
DTC Description	HVIL shorts the power supply
故障发生的可能原因	高压回路
Possible Cause	High voltage circuit
检查项目	高压回路
Check Items	High voltage circuit
可能的影响	BMS 正常运行
Possible Symptom	BMS is operating normally
系统反应（降扭或降速等）	BMS 正常运行

故障码 DTC	P0A0C
故障码描述	HVIL 对地短路
DTC Description	HVIL short to ground
故障发生的可能原因	高压回路
Possible Cause	High voltage circuit
检查项目	高压回路
Check Items	High voltage circuit
可能的影响	BMS 正常运行
Possible Symptom	BMS is operating normally
故障诊断码的判断条件	高压互锁高电平电压小于 1V，持续 300ms
Failure criteria	The high-level voltage of the high-voltage interlock is less than 1V, lasting 300ms
故障治愈条件	高压互锁高电平电压大于 1V
Healing condition	The high-level voltage of high-voltage interlock is greater than 1V
系统反应（降扭或降速等）	BMS 正常运行

故障码 DTC	P1B43
故障码描述	存在 Crash 信号
DTC Description	Crash signal
故障发生的可能原因	存在碰撞
Possible Cause	There is a collision
检查项目	存在碰撞
Check Items	There is a collision
可能的影响	BMS 主动下高压
Possible Symptom	BMS actively under high pressure
故障诊断码的判断条件	CAN 总线接收到 crash 信号
Failure criteria	CAN bus receives a crash signal
故障治愈条件	总线无 crash 信号
Healing condition	No crash signal on the bus
系统反应（降扭或降速等）	BMS 主动下高压

故障码 DTC	P1B44
故障码描述	均衡电阻过温
DTC Description	Equilibrium resistance over temperature
故障发生的可能原因	均衡 PCB 板温度过高
Possible Cause	Balanced PCB board temperature is too high
检查项目	PCB 板
Check Items	PCB board
可能的影响	充电工况下功率降为 0，放电工况下功率 90s 内降到 0kw
Possible Symptom	The power drops to 0 under charging conditions, and the power drops to 0kw within 90s under discharge conditions
故障诊断码的判断条件	最高均衡 PCB 温度＞ 110 ℃并持续 5s
Failure criteria	The highest equilibrium PCB temperature ＞ 110 ℃ and Lasts 5s
故障治愈条件	最高均衡 PCB 温度≤ 110 ℃
Healing condition	Maximum balanced PCB temperature ≤ 110 ℃
系统反应（降扭或降速等）	充电工况下功率降为 0，放电工况下功率 90s 内降到 0kw

故障码 DTC	P1B45
故障码描述	均衡异常开启
DTC Description	Balanced abnormality is turned on
故障发生的可能原因	需要均衡关闭的时候均衡开启
Possible Cause	Balance is turned on when it needs to be turned off
可能的影响	BMS 正常运行
Possible Symptom	BMS is operating normally
故障诊断码的判断条件	不存在任何电芯均衡 & 每 10 分钟记录一次均衡最高均衡 PCB 温度，温升≥ 7 ℃
Failure criteria	There is no cell balance & record the highest equilibrium PCB temperature every 10 minutes, temperature rise ≥ 7 ℃
故障治愈条件	均衡正常关闭
Healing condition	Balanced normally closed
系统反应（降扭或降速等）	BMS 正常运行

故障码 DTC	P1B46
故障码描述	均衡异常关闭
DTC Description	Balanced abnormal shutdown
故障发生的可能原因	需要均衡开启的时候均衡未开启
Possible Cause	The balance is not turned on when it needs to be turned on
可能的影响	BMS 正常运行
Possible Symptom	BMS is operating normally
故障诊断码的判断条件	存在任何电芯均衡 & 每 10 分钟记录一次均衡最高均衡 PCB 温度，温升≤ 6 ℃
Failure criteria	There is any battery cell balance & record the highest equilibrium PCB temperature every 10 minutes, the temperature rise ≤ 6 ℃
故障治愈条件	均衡正常开启
Healing condition	Balance is turned on normally
系统反应（降扭或降速等）	BMS 正常运行

故障码 DTC	P1DD9
故障码描述	CMU1 内部故障
DTC Description	CMU1 internal fault
故障发生的可能原因	CMU 内部有故障
Possible Cause	CMU internal fault
检查项目	CMU1
Check Items	CMU1
可能的影响	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw
Possible Symptom	The power is directly reduced to 0kw under charging conditions, and the power is reduced to 0kw within 90s under discharge conditions
故障诊断码的判断条件	CMU 内部有故障
Failure criteria	CMU internal fault
故障治愈条件	无 CMU 内部故障
Healing condition	No internal CMU fault
系统反应（降扭或降速等）	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw

故障码 DTC	P1DDB
故障码描述	CMU2 内部故障
DTC Description	CMU2 internal fault
故障发生的可能原因	CMU 内部有故障
Possible Cause	CMU internal fault
检查项目	CMU2
Check Items	CMU2
可能的影响	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw
Possible Symptom	The power is directly reduced to 0kw under charging conditions, and the power is reduced to 0kw within 90s under discharge conditions
故障诊断码的判断条件	CMU 内部有故障
Failure criteria	CMU internal fault
故障治愈条件	无 CMU 内部故障
Healing condition	No internal CMU fault
系统反应（降扭或降速等）	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw

故障码 DTC	P1DDD
故障码描述	CMU3 内部故障
DTC Description	CMU3 internal fault
故障发生的可能原因	CMU 内部有故障
Possible Cause	CMU internal fault
检查项目	CMU3
Check Items	CMU3
可能的影响	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw
Possible Symptom	The power is directly reduced to 0kw under charging conditions, and the power is reduced to 0kw within 90s under discharge conditions
故障诊断码的判断条件	CMU 内部有故障
Failure criteria	CMU internal fault
故障治愈条件	无 CMU 内部故障
Healing condition	No internal CMU fault
系统反应（降扭或降速等）	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw

故障码 DTC	P1DF8
故障码描述	充电过功率 2 级故障
DTC Description	Charging over power level 2 fault
故障发生的可能原因	实际充电电流超过允许使用充电电流
Possible Cause	The actual charging current exceeds the allowable charging current
可能的影响	充电工况下功率限一半，放电工况下 BMS 正常运行
Possible Symptom	The power limit is half under charging conditions, and the BMS runs normally under discharge conditions
故障诊断码的判断条件	实际电流 >1.2 查表充电电流，持续 20S 后报出故障
Failure criteria	Actual current>1.2 Check the meter charging current, and report a fault after 20S
故障治愈条件	实际电流 <1.2* 查表充电电流
Healing condition	Actual current<1.2*Check table charging current
系统反应（降扭或降速等）	充电工况下功率限一半，放电工况下 BMS 正常运行

故障码 DTC	P1DDF
故障码描述	CMU4 内部故障
DTC Description	CMU4 internal fault
故障发生的可能原因	CMU 内部有故障
Possible Cause	CMU internal fault
检查项目	CMU4
Check Items	CMU4
可能的影响	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw
Possible Symptom	The power is directly reduced to 0kw under charging conditions, and the power is reduced to 0kw within 90s under discharge conditions
故障诊断码的判断条件	CMU 内部有故障
Failure criteria	CMU internal fault
故障治愈条件	无 CMU 内部故障
Healing condition	No internal CMU fault
系统反应（降扭或降速等）	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw

故障码 DTC	P1DE1
故障码描述	CMU5 内部故障
DTC Description	CMU5 internal fault
故障发生的可能原因	CMU5 内部故障
Possible Cause	CMU5 internal fault
检查项目	CMU 内部有故障
Check Items	CMU internal fault
可能的影响	CMU5
Possible Symptom	CMU5
故障诊断码的判断条件	CMU 内部有故障
Failure criteria	CMU internal fault
故障治愈条件	无 CMU 内部故障
Healing condition	No internal CMU fault
系统反应（降扭或降速等）	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw

故障码 DTC	P1DE3
故障码描述	CMU6 内部故障
DTC Description	CMU6 internal fault
故障发生的可能原因	CMU6 内部有故障
Possible Cause	CMU6 internal fault
检查项目	CMU6
Check Items	CMU6
可能的影响	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw
Possible Symptom	The power is directly reduced to 0kw under charging conditions, and the power is reduced to 0kw within 90s under discharge conditions
故障诊断码的判断条件	CMU 内部有故障
Failure criteria	CMU internal fault
故障治愈条件	CMU 内部无故障
Healing condition	No internal fault in CMU
系统反应（降扭或降速等）	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw

故障码 DTC	P1DE5
故障码描述	CMU7 内部故障
DTC Description	CMU7 internal fault
故障发生的可能原因	CMU7 内部故障
Possible Cause	CMU7 internal fault
检查项目	CMU7
Check Items	CMU7
可能的影响	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw
Possible Symptom	The power is directly reduced to 0kw under charging conditions, and the power is reduced to 0kw within 90s under discharge conditions
故障诊断码的判断条件	CMU 内部有故障
Failure criteria	CMU internal fault
故障治愈条件	CMU 内部无故障
Healing condition	No internal fault in CMU
系统反应（降扭或降速等）	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw

故障码 DTC	P1DE7
故障码描述	CMU8 内部故障
DTC Description	CMU8 internal fault
故障发生的可能原因	CMU8 内部故障
Possible Cause	CMU8 internal fault
检查项目	CMU8
Check Items	CMU8
可能的影响	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw
Possible Symptom	The power is directly reduced to 0kw under charging conditions, and the power is reduced to 0kw within 90s under discharge conditions
故障诊断码的判断条件	CMU 内部有故障
Failure criteria	CMU internal fault
故障治愈条件	CMU 内部无故障
Healing condition	No internal fault in CMU
系统反应（降扭或降速等）	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw

故障码 DTC	U1009
故障码描述	CMU1 通讯故障
DTC Description	CMU1 communication failure
故障发生的可能原因	CMU 通讯有故障
Possible Cause	CMU communication failure
检查项目	CMU1
Check Items	CMU1
可能的影响	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw
Possible Symptom	The power is directly reduced to 0kw under charging conditions, and the power is reduced to 0kw within 90s under discharge conditions
故障诊断码的判断条件	CMU 通讯有故障
Failure criteria	CMU communication failure
故障治愈条件	CMU 通讯正常
Healing condition	CMU communication is normal
系统反应（降扭或降速等）	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw

故障码 DTC	U100A
故障码描述	CMU2 通讯故障
DTC Description	CMU2 communication failure
故障发生的可能原因	CMU 通讯有故障
Possible Cause	CMU communication failure
检查项目	CMU2
Check Items	CMU2
可能的影响	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw
Possible Symptom	The power is directly reduced to 0kw under charging conditions, and the power is reduced to 0kw within 90s under discharge conditions
故障诊断码的判断条件	CMU 通讯有故障
Failure criteria	CMU communication failure
故障治愈条件	CMU 通讯正常
Healing condition	CMU communication is normal
系统反应（降扭或降速等）	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw

故障码 DTC	U100B
故障码描述	CMU3 通讯故障
DTC Description	CMU3 communication failure
故障发生的可能原因	CMU 通讯有故障
Possible Cause	CMU communication failure
检查项目	CMU3
Check Items	CMU3
可能的影响	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw
Possible Symptom	The power is directly reduced to 0kw under charging conditions, and the power is reduced to 0kw within 90s under discharge conditions
故障诊断码的判断条件	CMU 通讯有故障
Failure criteria	CMU communication failure
故障治愈条件	CMU 通讯正常
Healing condition	CMU communication is normal
系统反应（降扭或降速等）	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw

故障码 DTC	U100C
故障码描述	CMU4 通讯故障
DTC Description	CMU4 communication failure
故障发生的可能原因	CMU 通讯有故障
Possible Cause	CMU communication failure
检查项目	CMU4
Check Items	CMU4
可能的影响	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw
Possible Symptom	The power is directly reduced to 0kw under charging conditions, and the power is reduced to 0kw within 90s under discharge conditions
故障诊断码的判断条件	CMU 通讯有故障
Failure criteria	CMU communication failure
故障治愈条件	CMU 通讯正常
Healing condition	CMU communication is normal
系统反应（降扭或降速等）	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw

故障码 DTC	U100D
故障码描述	CMU5 通讯故障
DTC Description	CMU5 communication failure
故障发生的可能原因	CMU 通讯有故障
Possible Cause	CMU communication failure
检查项目	CMU5
Check Items	CMU5
可能的影响	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw
Possible Symptom	The power is directly reduced to 0kw under charging conditions, and the power is reduced to 0kw within 90s under discharge conditions
故障诊断码的判断条件	CMU 通讯有故障
Failure criteria	CMU communication failure
故障治愈条件	CMU 通讯正常
Healing condition	CMU communication is normal
系统反应（降扭或降速等）	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw

故障码 DTC	P0563
故障码描述	系统供电电压过高
DTC Description	System power supply voltage is too high
检查项目	测量蓄电池电压
Check Items	Measure battery voltage
可能的影响	BMS 正常运行
Possible Symptom	BMS is operating normally
故障诊断码的判断条件	KL30 （蓄电池）电压大于 18.5V，持续 1S 后报出故障
Failure criteria	The voltage of KL30 (battery) is greater than 18.5V, and the fault will be reported after 1S.
故障治愈条件	KL30 （蓄电池）电压小于 17.5V
Healing condition	KL30 (battery) voltage is less than 17.5V
系统反应（降扭或降速等)	仅记录故障码，无系统反应

故障码 DTC	P1DF8
故障码描述	充电过功率 3 级故障
DTC Description	Charging over power level 3 fault
故障发生的可能原因	实际充电电流超过允许使用充电电流
Possible Cause	The actual charging current exceeds the allowable charging current
可能的影响	充电工况下功率限至 3kw，放电工况下 BMS 正常运行
Possible Symptom	The power is limited to 3kw under charging conditions, and the BMS runs normally under discharge conditions
故障诊断码的判断条件	实际电流 >1.3 查表充电电流，持续 20S 后报出故障
Failure criteria	Actual current>1.3 Check the meter charging current, and report a fault after 20S
故障治愈条件	实际电流 <1.3* 查表充电电流
Healing condition	Actual current<1.3*Check table charging current
系统反应（降扭或降速等)	充电工况下功率限至 3kw，放电工况下 BMS 正常运行

故障码 DTC	U100F
故障码描述	CMU6 通讯故障
DTC Description	CMU6 communication failure
故障发生的可能原因	CMU 通讯有故障
Possible Cause	CMU communication failure
检查项目	CMU6
Check Items	CMU6
可能的影响	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw
Possible Symptom	The power is directly reduced to 0kw under charging conditions, and the power is reduced to 0kw within 90s under discharge conditions
故障诊断码的判断条件	CMU 通讯有故障
Failure criteria	CMU communication failure
故障治愈条件	CMU 通讯正常
Healing condition	CMU communication is normal
系统反应（降扭或降速等）	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw

故障码 DTC	U1010
故障码描述	CMU7 通讯故障
DTC Description	CMU7 communication failure
故障发生的可能原因	CMU 通讯有故障
Possible Cause	CMU communication failure
检查项目	CMU7
Check Items	CMU7
可能的影响	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw
Possible Symptom	The power is directly reduced to 0kw under charging conditions, and the power is reduced to 0kw within 90s under discharge conditions
故障诊断码的判断条件	CMU 通讯有故障
Failure criteria	CMU communication failure
故障治愈条件	CMU 通讯正常
Healing condition	CMU communication is normal
系统反应（降扭或降速等）	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw

故障码 DTC	U1011
故障码描述	CMU8 通讯故障
DTC Description	CMU8 communication failure
故障发生的可能原因	CMU 通讯有故障
Possible Cause	CMU communication failure
检查项目	CMU8
Check Items	CMU8
可能的影响	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw
Possible Symptom	The power is directly reduced to 0kw under charging conditions, and the power is reduced to 0kw within 90s under discharge conditions
故障诊断码的判断条件	CMU 通讯有故障
Failure criteria	CMU communication failure
故障治愈条件	CMU 通讯正常
Healing condition	CMU communication is normal
系统反应（降扭或降速等）	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw

故障码 DTC	P1DDA
故障码描述	CMU1 异常复位
DTC Description	CMU1 abnormal reset
故障发生的可能原因	CMU1 异常复位
Possible Cause	CMU1 abnormal reset
检查项目	CMU1
Check Items	CMU1
可能的影响	BMS 正常运行
Possible Symptom	BMS is operating normally
故障诊断码的判断条件	CMU 异常复位
Failure criteria	CMU abnormal reset
故障治愈条件	无 CMU 异常复位
Healing condition	No CMU abnormal reset
系统反应（降扭或降速等）	BMS 正常运行

故障码 **DTC**	P1DDC
故障码描述	CMU2 异常复位
DTC Description	CMU2 abnormal reset
故障发生的可能原因	CMU2 异常复位
Possible Cause	CMU2 abnormal reset
检查项目	CMU2
Check Items	CMU2
可能的影响	BMS 正常运行
Possible Symptom	BMS is operating normally
故障诊断码的判断条件	CMU 异常复位
Failure criteria	CMU abnormal reset
故障治愈条件	无 CMU 异常复位
Healing condition	No CMU abnormal reset
系统反应（降扭或降速等）	BMS 正常运行

故障码 **DTC**	P1DDE
故障码描述	CMU3 异常复位
DTC Description	CMU3 abnormal reset
故障发生的可能原因	CMU3 异常复位
Possible Cause	CMU3 abnormal reset
检查项目	CMU3
Check Items	CMU3
可能的影响	BMS 正常运行
Possible Symptom	BMS is operating normally
故障诊断码的判断条件	CMU 异常复位
Failure criteria	CMU abnormal reset
故障治愈条件	无 CMU 异常复位
Healing condition	No CMU abnormal reset
系统反应（降扭或降速等）	BMS 正常运行

故障码 DTC	P1DE0
故障码描述	CMU4 异常复位
DTC Description	CMU4 abnormal reset
故障发生的可能原因	CMU4 异常复位
Possible Cause	CMU4 abnormal reset
检查项目	CMU4
Check Items	CMU4
可能的影响	BMS 正常运行
Possible Symptom	BMS is operating normally
故障诊断码的判断条件	CMU 异常复位
Failure criteria	CMU abnormal reset
故障治愈条件	无 CMU 异常复位
Healing condition	No CMU abnormal reset
系统反应（降扭或降速等）	BMS 正常运行

故障码 DTC	P1DE2
故障码描述	CMU5 异常复位
DTC Description	CMU5 abnormal reset
故障发生的可能原因	CMU5 异常复位
Possible Cause	CMU5 abnormal reset
检查项目	CMU5
Check Items	CMU5
可能的影响	BMS 正常运行
Possible Symptom	BMS is operating normally
故障诊断码的判断条件	CMU 异常复位
Failure criteria	CMU abnormal reset
故障治愈条件	无 CMU 异常复位
Healing condition	No CMU abnormal reset
系统反应（降扭或降速等）	BMS 正常运行

故障码 **DTC**	P1DE4
故障码描述	CMU6 异常复位
DTC Description	CMU6 abnormal reset
故障发生的可能原因	CMU6 异常复位
Possible Cause	CMU6 abnormal reset
检查项目	CMU6
Check Items	CMU6
可能的影响	BMS 正常运行
Possible Symptom	BMS is operating normally
故障诊断码的判断条件	CMU 异常复位
Failure criteria	CMU abnormal reset
故障治愈条件	无 CMU 异常复位
Healing condition	No CMU abnormal reset
系统反应（降扭或降速等）	BMS 正常运行

故障码 **DTC**	P1DE6
故障码描述	CMU7 异常复位
DTC Description	CMU7 abnormal reset
故障发生的可能原因	CMU7 异常复位
Possible Cause	CMU7 abnormal reset
检查项目	CMU7
Check Items	CMU7
可能的影响	BMS 正常运行
Possible Symptom	BMS is operating normally
故障诊断码的判断条件	CMU 异常复位
Failure criteria	CMU abnormal reset
故障治愈条件	无 CMU 异常复位
Healing condition	No CMU abnormal reset
系统反应（降扭或降速等）	BMS 正常运行

故障码 DTC	P1DF9
故障码描述	回充过功率 1 级故障
DTC Description	Back charge over power level 1 fault
故障发生的可能原因	实际回充功率超过允许使用功率
Possible Cause	The actual recharge power exceeds the allowable power
可能的影响	BMS 正常运行
Possible Symptom	BMS is operating normally
故障诊断码的判断条件	实际功率 >1.1* 查表功率值
Failure criteria	Actual power>1.1*Check table power value
故障治愈条件	实际功率 < 查表功率
Healing condition	Actual power <look-up power
系统反应（降扭或降速等)	BMS 正常运行

故障码 DTC	P1DE8
故障码描述	CMU8 异常复位
DTC Description	CMU8 abnormal reset
故障发生的可能原因	CMU8 异常复位
Possible Cause	CMU8 abnormal reset
检查项目	CMU8
Check Items	CMU8
可能的影响	BMS 正常运行
Possible Symptom	BMS is operating normally
故障诊断码的判断条件	CMU 异常复位
Failure criteria	CMU abnormal reset
故障治愈条件	无 CMU 异常复位
Healing condition	No CMU abnormal reset
系统反应（降扭或降速等)	BMS 正常运行

故障码 DTC	P0B3B
故障码描述	CMU1-Cell1 单体电压采样线开路
DTC Description	CMU1-Cell1 single voltage sampling line open
故障发生的可能原因	电芯采样线开路
Possible Cause	Cell sampling line is open
检查项目	CMU1-Cell1 单体电压采样线
Check Items	CMU1-Cell1 cell voltage sampling line
可能的影响	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw
Possible Symptom	The power is directly reduced to 0kw under charging conditions, and the power is reduced to 0kw within 90s under discharge conditions
故障诊断码的判断条件	电芯采样线开路
Failure criteria	Cell sampling line is open
故障治愈条件	单体电压采样正常
Healing condition	Cell voltage sampling is normal
系统反应（降扭或降速等）	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw

故障码 DTC	P0B40
故障码描述	CMU1-Cell2 单体电压采样线开路
DTC Description	CMU1-Cell2 single voltage sampling line open
故障发生的可能原因	电芯采样线开路
Possible Cause	Cell sampling line is open
检查项目	CMU1-Cell2 单体电压采样线
Check Items	CMU1-Cell2 cell voltage sampling line
可能的影响	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw
Possible Symptom	The power is directly reduced to 0kw under charging conditions, and the power is reduced to 0kw within 90s under discharge conditions
故障诊断码的判断条件	电芯采样线开路
Failure criteria	Cell sampling line is open
故障治愈条件	单体电压采样正常
Healing condition	Cell voltage sampling is normal
系统反应（降扭或降速等）	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw

故障码 DTC	P0B45
故障码描述	CMU1-Cell3 单体电压采样线开路
DTC Description	CMU1-Cell3 single voltage sampling line open
故障发生的可能原因	电芯采样线开路
Possible Cause	Cell sampling line is open
检查项目	CMU1-Cell3 单体电压采样线
Check Items	CMU1-Cell3 cell voltage sampling line
可能的影响	无法充电，放电工况下 90s 内功率降为 0kw
Possible Symptom	Unable to charge, the power drops to 0kw within 90s under discharge conditions
故障诊断码的判断条件	电芯采样线开路
Failure criteria	Cell sampling line is open
故障治愈条件	单体电压采样正常
Healing condition	Cell voltage sampling is normal
系统反应（降扭或降速等）	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw

故障码 DTC	P0B4A
故障码描述	CMU1-Cell4 单体电压采样线开路
DTC Description	CMU1-Cell4 single voltage sampling line open
故障发生的可能原因	电芯采样线开路
Possible Cause	Cell sampling line is open
检查项目	CMU1-Cell4 单体电压采样线
Check Items	CMU1-Cell4 cell voltage sampling line
可能的影响	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw
Possible Symptom	The power is directly reduced to 0kw under charging conditions, and the power is reduced to 0kw within 90s under discharge conditions
故障诊断码的判断条件	电芯采样线开路
Failure criteria	Cell sampling line is open
故障治愈条件	单体电压采样正常
Healing condition	Cell voltage sampling is normal
系统反应（降扭或降速等）	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw

故障码 DTC	P0B4F
故障码描述	CMU1-Cell5 单体电压采样线开路
DTC Description	CMU1-Cell5 single voltage sampling line open
故障发生的可能原因	电芯采样线开路
Possible Cause	Cell sampling line is open
检查项目	CMU1-Cell5 单体电压采样线
Check Items	CMU1-Cell5 cell voltage sampling line
可能的影响	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw
Possible Symptom	The power is directly reduced to 0kw under charging conditions, and the power is reduced to 0kw within 90s under discharge conditions
故障诊断码的判断条件	电芯采样线开路
Failure criteria	Cell sampling line is open
故障治愈条件	单体电压采样正常
Healing condition	Cell voltage sampling is normal
系统反应（降扭或降速等）	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw

故障码 DTC	P0B54
故障码描述	CMU1-Cell6 单体电压采样线开路
DTC Description	CMU1-Cell6 single voltage sampling line open
故障发生的可能原因	电芯采样线开路
Possible Cause	Cell sampling line is open
检查项目	CMU1-Cell6 单体电压采样线
Check Items	CMU1-Cell6 cell voltage sampling line
可能的影响	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw
Possible Symptom	The power is directly reduced to 0kw under charging conditions, and the power is reduced to 0kw within 90s under discharge conditions
故障诊断码的判断条件	电芯采样线开路
Failure criteria	Cell sampling line is open
故障治愈条件	单体电压采样正常
Healing condition	Cell voltage sampling is normal
系统反应（降扭或降速等）	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw

故障码 DTC	P0B59
故障码描述	CMU1-Cell7 单体电压采样线开路
DTC Description	CMU1-Cell7 single voltage sampling line open
故障发生的可能原因	电芯采样线开路
Possible Cause	Cell sampling line is open
检查项目	CMU1-Cell7 单体电压采样线
Check Items	CMU1-Cell7 cell voltage sampling line
可能的影响	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw
Possible Symptom	The power is directly reduced to 0kw under charging conditions, and the power is reduced to 0kw within 90s under discharge conditions
故障诊断码的判断条件	电芯采样线开路
Failure criteria	Cell sampling line is open
故障治愈条件	单体电压采样正常
Healing condition	Cell voltage sampling is normal
系统反应（降扭或降速等）	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw

故障码 DTC	P0B5E
故障码描述	CMU1-Cell8 单体电压采样线开路
DTC Description	CMU1-Cell8 single voltage sampling line open
故障发生的可能原因	电芯采样线开路
Possible Cause	Cell sampling line is open
检查项目	CMU1-Cell8 单体电压采样线
Check Items	CMU1-Cell8 cell voltage sampling line
可能的影响	无法充电，放电工况下 90s 内功率降为 0kw
Possible Symptom	Unable to charge, the power drops to 0kw within 90s under discharge conditions
故障诊断码的判断条件	电芯采样线开路
Failure criteria	Cell sampling line is open
故障治愈条件	单体电压采样正常
Healing condition	Cell voltage sampling is normal
系统反应（降扭或降速等）	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw

故障码 DTC	P0B63
故障码描述	CMU1-Cell9 单体电压采样线开路
DTC Description	CMU1-Cell9 single voltage sampling line open
故障发生的可能原因	电芯采样线开路
Possible Cause	Cell sampling line is open
检查项目	CMU1-Cell9 单体电压采样线
Check Items	CMU1-Cell9 cell voltage sampling line
可能的影响	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw
Possible Symptom	The power is directly reduced to 0kw under charging conditions, and the power is reduced to 0kw within 90s under discharge conditions
故障诊断码的判断条件	电芯采样线开路
Failure criteria	Cell sampling line is open
故障治愈条件	单体电压采样正常
Healing condition	Cell voltage sampling is normal
系统反应（降扭或降速等）	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw

故障码 DTC	P1DF9
故障码描述	回充过功率 2 级故障
DTC Description	Recharge over power level 2 fault
故障发生的可能原因	实际回充功率超过允许使用功率
Possible Cause	The actual recharge power exceeds the allowable power
可能的影响	充电工况下 BMS 正常运行，放电工况下功率限一半
Possible Symptom	The BMS operates normally under charging conditions, and the power limit is half under discharge conditions
故障诊断码的判断条件	实际功率 >1.2* 查表功率值
Failure criteria	Actual power>1.2*Look-up power value
故障治愈条件	实际功率 <1.1 查表功率
Healing condition	Actual power <1.1 look-up power
系统反应（降扭或降速等）	充电工况下 BMS 正常运行，放电工况下功率限一半

故障码 DTC	P0B68
故障码描述	CMU1-Cell10 单体电压采样线开路
DTC Description	CMU1-Cell10 single voltage sampling line open
故障发生的可能原因	电芯采样线开路
Possible Cause	Cell sampling line is open
检查项目	CMU1-Cell10 单体电压采样线
Check Items	CMU1-Cell10 cell voltage sampling line
可能的影响	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw
Possible Symptom	The power is directly reduced to 0kw under charging conditions, and the power is reduced to 0kw within 90s under discharge conditions
故障诊断码的判断条件	电芯采样线开路
Failure criteria	Cell sampling line is open
故障治愈条件	单体电压采样正常
Healing condition	Cell voltage sampling is normal
系统反应（降扭或降速等）	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw

故障码 DTC	P0B6D
故障码描述	CMU1-Cell11 单体电压采样线开路
DTC Description	CMU1-Cell11 single voltage sampling line open
故障发生的可能原因	电芯采样线开路
Possible Cause	Cell sampling line is open
检查项目	CMU1-Cell11 单体电压采样线
Check Items	CMU1-Cell11 cell voltage sampling line
可能的影响	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw
Possible Symptom	The power is directly reduced to 0kw under charging conditions, and the power is reduced to 0kw within 90s under discharge conditions
故障诊断码的判断条件	电芯采样线开路
Failure criteria	Cell sampling line is open
故障治愈条件	单体电压采样正常
Healing condition	Cell voltage sampling is normal
系统反应（降扭或降速等）	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw

故障码 DTC	P0B72
故障码描述	CMU1-Cell12 单体电压采样线开路
DTC Description	CMU1-Cell12 single voltage sampling line open
故障发生的可能原因	电芯采样线开路
Possible Cause	Cell sampling line is open
检查项目	CMU1-Cell12 单体电压采样线
Check Items	CMU1-Cell12 cell voltage sampling line
可能的影响	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw
Possible Symptom	The power is directly reduced to 0kw under charging conditions, and the power is reduced to 0kw within 90s under discharge conditions
故障诊断码的判断条件	电芯采样线开路
Failure criteria	Cell sampling line is open
故障治愈条件	单体电压采样正常
Healing condition	Cell voltage sampling is normal
系统反应（降扭或降速等）	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw

故障码 DTC	P0B77
故障码描述	CMU1-Cell13 单体电压采样线开路
DTC Description	CMU1-Cell13 single voltage sampling line open
故障发生的可能原因	电芯采样线开路
Possible Cause	Cell sampling line is open
检查项目	CMU1-Cell13 单体电压采样线
Check Items	CMU1-Cell13 cell voltage sampling line
可能的影响	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw
Possible Symptom	The power is directly reduced to 0kw under charging conditions, and the power is reduced to 0kw within 90s under discharge conditions
故障诊断码的判断条件	电芯采样线开路
Failure criteria	Cell sampling line is open
故障治愈条件	单体电压采样正常
Healing condition	Cell voltage sampling is normal
系统反应（降扭或降速等）	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw

故障码 DTC	P0B7C
故障码描述	CMU1-Cell14 单体电压采样线开路
DTC Description	CMU1-Cell14 single voltage sampling line open
故障发生的可能原因	电芯采样线开路
Possible Cause	Cell sampling line is open
检查项目	CMU1-Cell14 单体电压采样线
Check Items	CMU1-Cell14 cell voltage sampling line
可能的影响	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw
Possible Symptom	The power is directly reduced to 0kw under charging conditions, and the power is reduced to 0kw within 90s under discharge conditions
故障诊断码的判断条件	电芯采样线开路
Failure criteria	Cell sampling line is open
故障治愈条件	单体电压采样正常
Healing condition	Cell voltage sampling is normal
系统反应（降扭或降速等）	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw

故障码 DTC	P0B81
故障码描述	CMU2-Cell1 单体电压采样线开路
DTC Description	CMU2-Cell1 single voltage sampling line open
故障发生的可能原因	电芯采样线开路
Possible Cause	Cell sampling line is open
检查项目	CMU2-Cell1 单体电压采样线
Check Items	CMU2-Cell1 cell voltage sampling line
可能的影响	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw
Possible Symptom	The power is directly reduced to 0kw under charging conditions, and the power is reduced to 0kw within 90s under discharge conditions
故障诊断码的判断条件	电芯采样线开路
Failure criteria	Cell sampling line is open
故障治愈条件	单体电压采样正常
Healing condition	Cell voltage sampling is normal
系统反应（降扭或降速等）	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw

故障码 DTC	P0B86
故障码描述	CMU2-Cell2 单体电压采样线开路
DTC Description	CMU2-Cell2 single voltage sampling line open
故障发生的可能原因	电芯采样线开路
Possible Cause	Cell sampling line is open
检查项目	CMU2-Cell2 单体电压采样线
Check Items	CMU2-Cell2 cell voltage sampling line
可能的影响	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw
Possible Symptom	The power is directly reduced to 0kw under charging conditions, and the power is reduced to 0kw within 90s under discharge conditions
故障诊断码的判断条件	电芯采样线开路
Failure criteria	Cell sampling line is open
故障治愈条件	单体电压采样正常
Healing condition	Cell voltage sampling is normal
系统反应（降扭或降速等）	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw

故障码 DTC	P0B8B
故障码描述	CMU2-Cell3 单体电压采样线开路
DTC Description	CMU2-Cell3 single voltage sampling line open
故障发生的可能原因	电芯采样线开路
Possible Cause	Cell sampling line is open
检查项目	CMU2-Cell3 单体电压采样线
Check Items	CMU2-Cell3 cell voltage sampling line
可能的影响	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw
Possible Symptom	The power is directly reduced to 0kw under charging conditions, and the power is reduced to 0kw within 90s under discharge conditions
故障诊断码的判断条件	电芯采样线开路
Failure criteria	Cell sampling line is open
故障治愈条件	单体电压采样正常
Healing condition	Cell voltage sampling is normal
系统反应（降扭或降速等）	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw

故障码 DTC	P0B90
故障码描述	CMU2-Cell4 单体电压采样线开路
DTC Description	CMU2-Cell4 single voltage sampling line open
故障发生的可能原因	电芯采样线开路
Possible Cause	Cell sampling line is open
检查项目	CMU2-Cell4 单体电压采样线
Check Items	CMU2-Cell4 cell voltage sampling line
可能的影响	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw
Possible Symptom	The power is directly reduced to 0kw under charging conditions, and the power is reduced to 0kw within 90s under discharge conditions
故障诊断码的判断条件	电芯采样线开路
Failure criteria	Cell sampling line is open
故障治愈条件	单体电压采样正常
Healing condition	Cell voltage sampling is normal
系统反应（降扭或降速等）	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw

故障码 DTC	P0B95
故障码描述	CMU2-Cell5 单体电压采样线开路
DTC Description	CMU2-Cell5 single voltage sampling line open
故障发生的可能原因	电芯采样线开路
Possible Cause	Cell sampling line is open
检查项目	CMU2-Cell5 单体电压采样线
Check Items	CMU2-Cell5 cell voltage sampling line
可能的影响	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw
Possible Symptom	The power is directly reduced to 0kw under charging conditions, and the power is reduced to 0kw within 90s under discharge conditions
故障诊断码的判断条件	电芯采样线开路
Failure criteria	Cell sampling line is open
故障治愈条件	单体电压采样正常
Healing condition	Cell voltage sampling is normal
系统反应（降扭或降速等）	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw

故障码 DTC	P1DF9
故障码描述	回充过功率 3 级故障
DTC Description	Back charge over power level 3 fault
故障发生的可能原因	实际回充功率超过允许使用功率
Possible Cause	The actual recharge power exceeds the allowable power
可能的影响	充电工况下 BMS 正常运行，放电工况下功率限至 10kw
Possible Symptom	The BMS operates normally under charging conditions, and the power is limited to 10kw under discharge conditions
故障诊断码的判断条件	实际功率 >1.3* 查表功率值
Failure criteria	Actual power>1.3*Check table power value
故障治愈条件	实际功率 <1.2 查表功率
Healing condition	Actual power <1.2 look-up power
系统反应（降扭或降速等）	充电工况下 BMS 正常运行，放电工况下功率限至 10kw

故障码 DTC	P0B9A
故障码描述	CMU2-Cell6 单体电压采样线开路
DTC Description	CMU2-Cell6 single voltage sampling line open
故障发生的可能原因	电芯采样线开路
Possible Cause	Cell sampling line is open
检查项目	CMU2-Cell6 单体电压采样线
Check Items	CMU2-Cell6 cell voltage sampling line
可能的影响	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw
Possible Symptom	The power is directly reduced to 0kw under charging conditions, and the power is reduced to 0kw within 90s under discharge conditions
故障诊断码的判断条件	电芯采样线开路
Failure criteria	Cell sampling line is open
故障治愈条件	单体电压采样正常
Healing condition	Cell voltage sampling is normal
系统反应（降扭或降速等）	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw

故障码 DTC	P0B9F
故障码描述	CMU2-Cell7 单体电压采样线开路
DTC Description	CMU2-Cell7 single voltage sampling line open
故障发生的可能原因	电芯采样线开路
Possible Cause	Cell sampling line is open
检查项目	CMU2-Cell7 单体电压采样线
Check Items	CMU2-Cell7 cell voltage sampling line
可能的影响	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw
Possible Symptom	The power is directly reduced to 0kw under charging conditions, and the power is reduced to 0kw within 90s under discharge conditions
故障诊断码的判断条件	电芯采样线开路
Failure criteria	Cell sampling line is open
故障治愈条件	单体电压采样正常
Healing condition	Cell voltage sampling is normal
系统反应（降扭或降速等）	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw

故障码 DTC	P0BA4
故障码描述	CMU2-Cell8 单体电压采样线开路
DTC Description	CMU2-Cell8 single voltage sampling line open
故障发生的可能原因	电芯采样线开路
Possible Cause	Cell sampling line is open
检查项目	CMU2-Cell8 单体电压采样线
Check Items	CMU2-Cell8 cell voltage sampling line
可能的影响	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw
Possible Symptom	The power is directly reduced to 0kw under charging conditions, and the power is reduced to 0kw within 90s under discharge conditions
故障诊断码的判断条件	电芯采样线开路
Failure criteria	Cell sampling line is open
故障治愈条件	单体电压采样正常
Healing condition	Cell voltage sampling is normal
系统反应（降扭或降速等）	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw

故障码 DTC	P0BA9
故障码描述	CMU2-Cell9 单体电压采样线开路
DTC Description	CMU2-Cell9 single voltage sampling line open
故障发生的可能原因	电芯采样线开路
Possible Cause	Cell sampling line is open
检查项目	CMU2-Cell9 单体电压采样线
Check Items	CMU2-Cell9 cell voltage sampling line
可能的影响	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw
Possible Symptom	The power is directly reduced to 0kw under charging conditions, and the power is reduced to 0kw within 90s under discharge conditions
故障诊断码的判断条件	电芯采样线开路
Failure criteria	Cell sampling line is open
故障治愈条件	单体电压采样正常
Healing condition	Cell voltage sampling is normal
系统反应（降扭或降速等）	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw

故障码 DTC	P0BAE
故障码描述	CMU2-Cell10 单体电压采样线开路
DTC Description	CMU2-Cell10 single voltage sampling line open
故障发生的可能原因	电芯采样线开路
Possible Cause	Cell sampling line is open
检查项目	CMU2-Cell10 单体电压采样线
Check Items	CMU2-Cell10 cell voltage sampling line
可能的影响	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw
Possible Symptom	The power is directly reduced to 0kw under charging conditions, and the power is reduced to 0kw within 90s under discharge conditions
故障诊断码的判断条件	电芯采样线开路
Failure criteria	Cell sampling line is open
故障治愈条件	单体电压采样正常
Healing condition	Cell voltage sampling is normal
系统反应（降扭或降速等）	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw

故障码 DTC	P0BB3
故障码描述	CMU2-Cell11 单体电压采样线开路
DTC Description	CMU2-Cell11 single voltage sampling line open
故障发生的可能原因	电芯采样线开路
Possible Cause	Cell sampling line is open
检查项目	CMU2-Cell11 单体电压采样线
Check Items	CMU2-Cell11 cell voltage sampling line
可能的影响	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw
Possible Symptom	The power is directly reduced to 0kw under charging conditions, and the power is reduced to 0kw within 90s under discharge conditions
故障诊断码的判断条件	电芯采样线开路
Failure criteria	Cell sampling line is open
故障治愈条件	单体电压采样正常
Healing condition	Cell voltage sampling is normal
系统反应（降扭或降速等）	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw

故障码 DTC	P0BB8
故障码描述	CMU2-Cell12 单体电压采样线开路
DTC Description	CMU2-Cell12 single voltage sampling line open
故障发生的可能原因	电芯采样线开路
Possible Cause	Cell sampling line is open
检查项目	CMU2-Cell12 单体电压采样线
Check Items	CMU2-Cell12 cell voltage sampling line
可能的影响	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw
Possible Symptom	The power is directly reduced to 0kw under charging conditions, and the power is reduced to 0kw within 90s under discharge conditions
故障诊断码的判断条件	电芯采样线开路
Failure criteria	Cell sampling line is open
故障治愈条件	单体电压采样正常
Healing condition	Cell voltage sampling is normal
系统反应（降扭或降速等）	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw

故障码 DTC	P1B99
故障码描述	CMU2-Cell13 单体电压采样线开路
DTC Description	CMU2-Cell13 single voltage sampling line open
故障发生的可能原因	电芯采样线开路
Possible Cause	Cell sampling line is open
检查项目	CMU2-Cell13 单体电压采样线
Check Items	CMU2-Cell13 cell voltage sampling line
可能的影响	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw
Possible Symptom	The power is directly reduced to 0kw under charging conditions, and the power is reduced to 0kw within 90s under discharge conditions
故障诊断码的判断条件	电芯采样线开路
Failure criteria	Cell sampling line is open
故障治愈条件	单体电压采样正常
Healing condition	Cell voltage sampling is normal
系统反应（降扭或降速等）	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw

故障码 DTC	P1B9B
故障码描述	CMU2-Cell14 单体电压采样线开路
DTC Description	CMU2-Cell14 single voltage sampling line open
故障发生的可能原因	电芯采样线开路
Possible Cause	Cell sampling line is open
检查项目	CMU2-Cell14 单体电压采样线
Check Items	CMU2-Cell14 cell voltage sampling line
可能的影响	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw
Possible Symptom	The power is directly reduced to 0kw under charging conditions, and the power is reduced to 0kw within 90s under discharge conditions
故障诊断码的判断条件	电芯采样线开路
Failure criteria	Cell sampling line is open
故障治愈条件	单体电压采样正常
Healing condition	Cell voltage sampling is normal
系统反应（降扭或降速等）	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw

故障码 DTC	P1B9D
故障码描述	CMU3-Cell1 单体电压采样线开路
DTC Description	CMU3-Cell1 single voltage sampling line open
故障发生的可能原因	电芯采样线开路
Possible Cause	Cell sampling line is open
检查项目	CMU3-Cell1 单体电压采样线
Check Items	CMU3-Cell1 cell voltage sampling line
可能的影响	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw
Possible Symptom	The power is directly reduced to 0kw under charging conditions, and the power is reduced to 0kw within 90s under discharge conditions
故障诊断码的判断条件	电芯采样线开路
Failure criteria	Cell sampling line is open
故障治愈条件	单体电压采样正常
Healing condition	Cell voltage sampling is normal
系统反应（降扭或降速等）	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw

故障码 DTC	P1DFE
故障码描述	单体过充安全保护
DTC Description	Single overcharge safety protection
故障发生的可能原因	单体断线
Possible Cause	Cell disconnection
检查项目	立即下电，测量最高单体电压
Check Items	Power off immediately and measure the highest cell voltage
可能的影响	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw
Possible Symptom	The power is directly reduced to 0kw under charging conditions, and the power is reduced to 0kw within 90s under discharge conditions
故障诊断码的判断条件	cell volt ＞ 4.4V，持续 2s 后发出故障
Failure criteria	cell volt ＞ 4.4V, failure occurs after 2s
故障治愈条件	电压恢复至标准水平并重新上下电
Healing condition	The voltage is restored to the standard level and powered on again
系统反应（降扭或降速等）	无法行车，无法充电

故障码 DTC	P1B9F
故障码描述	CMU3-Cell2 单体电压采样线开路
DTC Description	CMU3-Cell2 single voltage sampling line open
故障发生的可能原因	电芯采样线开路
Possible Cause	Cell sampling line is open
检查项目	CMU3-Cell2 单体电压采样线
Check Items	CMU3-Cell2 cell voltage sampling line
可能的影响	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw
Possible Symptom	The power is directly reduced to 0kw under charging conditions, and the power is reduced to 0kw within 90s under discharge conditions
故障诊断码的判断条件	电芯采样线开路
Failure criteria	Cell sampling line is open
故障治愈条件	单体电压采样正常
Healing condition	Cell voltage sampling is normal
系统反应（降扭或降速等）	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw

故障码 DTC	P1BA1
故障码描述	CMU3-Cell3 单体电压采样线开路
DTC Description	CMU3-Cell3 single voltage sampling line open
故障发生的可能原因	电芯采样线开路
Possible Cause	Cell sampling line is open
检查项目	CMU3-Cell3 单体电压采样线
Check Items	CMU3-Cell3 cell voltage sampling line
可能的影响	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw
Possible Symptom	The power is directly reduced to 0kw under charging conditions, and the power is reduced to 0kw within 90s under discharge conditions
故障诊断码的判断条件	电芯采样线开路
Failure criteria	Cell sampling line is open
故障治愈条件	单体电压采样正常
Healing condition	Cell voltage sampling is normal
系统反应（降扭或降速等）	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw

故障码 DTC	P1BA3
故障码描述	CMU3-Cell4 单体电压采样线开路
DTC Description	CMU3-Cell4 single voltage sampling line open
故障发生的可能原因	电芯采样线开路
Possible Cause	Cell sampling line is open
检查项目	CMU3-Cell4 单体电压采样线
Check Items	CMU3-Cell4 cell voltage sampling line
可能的影响	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw
Possible Symptom	The power is directly reduced to 0kw under charging conditions, and the power is reduced to 0kw within 90s under discharge conditions
故障诊断码的判断条件	电芯采样线开路
Failure criteria	Cell sampling line is open
故障治愈条件	单体电压采样正常
Healing condition	Cell voltage sampling is normal
系统反应（降扭或降速等）	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw

故障码 DTC	P1BA5
故障码描述	CMU3-Cell5 单体电压采样线开路
DTC Description	CMU3-Cell5 single voltage sampling line open
故障发生的可能原因	电芯采样线开路
Possible Cause	Cell sampling line is open
检查项目	CMU3-Cell5 单体电压采样线
Check Items	CMU3-Cell5 cell voltage sampling line
可能的影响	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw
Possible Symptom	The power is directly reduced to 0kw under charging conditions, and the power is reduced to 0kw within 90s under discharge conditions
故障诊断码的判断条件	电芯采样线开路
Failure criteria	Cell sampling line is open
故障治愈条件	单体电压采样正常
Healing condition	Cell voltage sampling is normal
系统反应（降扭或降速等）	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw

故障码 DTC	P1BA7
故障码描述	CMU3-Cell6 单体电压采样线开路
DTC Description	CMU3-Cell6 single cell voltage sampling line open
故障发生的可能原因	电芯采样线开路
Possible Cause	Cell sampling line is open
检查项目	CMU3-Cell6 单体电压采样线
Check Items	CMU3-Cell6 cell voltage sampling line
可能的影响	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw
Possible Symptom	The power is directly reduced to 0kw under charging conditions, and the power is reduced to 0kw within 90s under discharge conditions
故障诊断码的判断条件	电芯采样线开路
Failure criteria	Cell sampling line is open
故障治愈条件	单体电压采样正常
Healing condition	Cell voltage sampling is normal
系统反应（降扭或降速等）	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw

故障码 DTC	P1BA9
故障码描述	CMU3-Cell7 单体电压采样线开路
DTC Description	CMU3-Cell7 single voltage sampling line open
故障发生的可能原因	电芯采样线开路
Possible Cause	Cell sampling line is open
检查项目	CMU3-Cell7 单体电压采样线
Check Items	CMU3-Cell7 cell voltage sampling line
可能的影响	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw
Possible Symptom	The power is directly reduced to 0kw under charging conditions, and the power is reduced to 0kw within 90s under discharge conditions
故障诊断码的判断条件	电芯采样线开路
Failure criteria	Cell sampling line is open
故障治愈条件	单体电压采样正常
Healing condition	Cell voltage sampling is normal
系统反应（降扭或降速等）	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw

故障码 DTC	P1BAB
故障码描述	CMU3-Cell8 单体电压采样线开路
DTC Description	CMU3-Cell8 single voltage sampling line open
故障发生的可能原因	电芯采样线开路
Possible Cause	Cell sampling line is open
检查项目	CMU3-Cell8 单体电压采样线
Check Items	CMU3-Cell8 cell voltage sampling line
可能的影响	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw
Possible Symptom	The power is directly reduced to 0kw under charging conditions, and the power is reduced to 0kw within 90s under discharge conditions
故障诊断码的判断条件	电芯采样线开路
Failure criteria	Cell sampling line is open
故障治愈条件	单体电压采样正常
Healing condition	Cell voltage sampling is normal
系统反应（降扭或降速等）	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw

故障码 DTC	P1BAD
故障码描述	CMU3-Cell9 单体电压采样线开路
DTC Description	CMU3-Cell9 single voltage sampling line open
故障发生的可能原因	电芯采样线开路
Possible Cause	Cell sampling line is open
检查项目	CMU3-Cell9 单体电压采样线
Check Items	CMU3-Cell9 cell voltage sampling line
可能的影响	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw
Possible Symptom	The power is directly reduced to 0kw under charging conditions, and the power is reduced to 0kw within 90s under discharge conditions
故障诊断码的判断条件	电芯采样线开路
Failure criteria	Cell sampling line is open
故障治愈条件	单体电压采样正常
Healing condition	Cell voltage sampling is normal
系统反应（降扭或降速等）	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw

故障码 DTC	P1BAF
故障码描述	CMU3-Cell10 单体电压采样线开路
DTC Description	CMU3-Cell10 single voltage sampling line open
故障发生的可能原因	电芯采样线开路
Possible Cause	Cell sampling line is open
检查项目	CMU3-Cell10 单体电压采样线
Check Items	CMU3-Cell10 cell voltage sampling line
可能的影响	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw
Possible Symptom	The power is directly reduced to 0kw under charging conditions, and the power is reduced to 0kw within 90s under discharge conditions
故障诊断码的判断条件	电芯采样线开路
Failure criteria	Cell sampling line is open
故障治愈条件	单体电压采样正常
Healing condition	Cell voltage sampling is normal
系统反应（降扭或降速等）	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw

故障码 DTC	P1BB1
故障码描述	CMU3-Cell11 单体电压采样线开路
DTC Description	CMU3-Cell11 single voltage sampling line open
故障发生的可能原因	电芯采样线开路
Possible Cause	Cell sampling line is open
检查项目	CMU3-Cell11 单体电压采样线
Check Items	CMU3-Cell11 cell voltage sampling line
可能的影响	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw
Possible Symptom	The power is directly reduced to 0kw under charging conditions, and the power is reduced to 0kw within 90s under discharge conditions
故障诊断码的判断条件	电芯采样线开路
Failure criteria	Cell sampling line is open
故障治愈条件	单体电压采样正常
Healing condition	Cell voltage sampling is normal
系统反应（降扭或降速等）	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw

故障码 DTC	P1DFF
故障码描述	单体过放安全保护
DTC Description	Single over-discharge safety protection
故障发生的可能原因	单体断线
Possible Cause	Cell disconnection
检查项目	立即下电，测量最低单体电压
Check Items	Power off immediately and measure the lowest cell voltage
可能的影响	无法行车，无法充电
Possible Symptom	Can't drive, can't charge
故障诊断码的判断条件	cell volt ＜ 1.7V，持续 2s 后发出故障
Failure criteria	cell volt ＜ 1.7V, failure occurs after 2s
故障治愈条件	电压恢复至标准水平并重新上下电
Healing condition	The voltage is restored to the standard level and powered on again
系统反应（降扭或降速等）	无法行车，无法充电

故障码 DTC	P1BB3
故障码描述	CMU3-Cell12 单体电压采样线开路
DTC Description	CMU3-Cell12 single voltage sampling line open
故障发生的可能原因	电芯采样线开路
Possible Cause	Cell sampling line is open
检查项目	CMU3-Cell12 单体电压采样线
Check Items	CMU3-Cell12 cell voltage sampling line
可能的影响	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw
Possible Symptom	The power is directly reduced to 0kw under charging conditions, and the power is reduced to 0kw within 90s under discharge conditions
故障诊断码的判断条件	电芯采样线开路
Failure criteria	Cell sampling line is open
故障治愈条件	单体电压采样正常
Healing condition	Cell voltage sampling is normal
系统反应（降扭或降速等）	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw

故障码 DTC	P1BB5
故障码描述	CMU3-Cell13 单体电压采样线开路
DTC Description	CMU3-Cell13 single voltage sampling line open
故障发生的可能原因	电芯采样线开路
Possible Cause	Cell sampling line is open
检查项目	CMU3-Cell13 单体电压采样线
Check Items	CMU3-Cell13 cell voltage sampling line
可能的影响	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw
Possible Symptom	The power is directly reduced to 0kw under charging conditions, and the power is reduced to 0kw within 90s under discharge conditions
故障诊断码的判断条件	电芯采样线开路
Failure criteria	Cell sampling line is open
故障治愈条件	单体电压采样正常
Healing condition	Cell voltage sampling is normal
系统反应（降扭或降速等）	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw

故障码 DTC	P1BB7
故障码描述	CMU3-Cell14 单体电压采样线开路
DTC Description	CMU3-Cell14 single voltage sampling line open
故障发生的可能原因	电芯采样线开路
Possible Cause	Cell sampling line is open
检查项目	CMU3-Cell14 单体电压采样线
Check Items	CMU3-Cell14 cell voltage sampling line
可能的影响	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw
Possible Symptom	The power is directly reduced to 0kw under charging conditions, and the power is reduced to 0kw within 90s under discharge conditions
故障诊断码的判断条件	电芯采样线开路
Failure criteria	Cell sampling line is open
故障治愈条件	单体电压采样正常
Healing condition	Cell voltage sampling is normal
系统反应（降扭或降速等）	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw

故障码 DTC	P1BB9
故障码描述	CMU4-Cell1 单体电压采样线开路
DTC Description	CMU4-Cell1 single voltage sampling line open
故障发生的可能原因	电芯采样线开路
Possible Cause	Cell sampling line is open
检查项目	CMU4-Cell1 单体电压采样线
Check Items	CMU4-Cell1 cell voltage sampling line
可能的影响	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw
Possible Symptom	The power is directly reduced to 0kw under charging conditions, and the power is reduced to 0kw within 90s under discharge conditions
故障诊断码的判断条件	电芯采样线开路
Failure criteria	Cell sampling line is open
故障治愈条件	单体电压采样正常
Healing condition	Cell voltage sampling is normal
系统反应（降扭或降速等）	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw

故障码 DTC	P1BBB
故障码描述	CMU4-Cell2 单体电压采样线开路
DTC Description	CMU4-Cell2 single voltage sampling line open
故障发生的可能原因	电芯采样线开路
Possible Cause	Cell sampling line is open
检查项目	CMU4-Cell2 单体电压采样线
Check Items	CMU4-Cell2 cell voltage sampling line
可能的影响	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw
Possible Symptom	The power is directly reduced to 0kw under charging conditions, and the power is reduced to 0kw within 90s under discharge conditions
故障诊断码的判断条件	电芯采样线开路
Failure criteria	Cell sampling line is open
故障治愈条件	单体电压采样正常
Healing condition	Cell voltage sampling is normal
系统反应（降扭或降速等）	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw

故障码 DTC	P1BBD
故障码描述	CMU4-Cell3 单体电压采样线开路
DTC Description	CMU4-Cell3 single voltage sampling line open
故障发生的可能原因	电芯采样线开路
Possible Cause	Cell sampling line is open
检查项目	CMU4-Cell3 单体电压采样线
Check Items	CMU4-Cell3 cell voltage sampling line
可能的影响	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw
Possible Symptom	The power is directly reduced to 0kw under charging conditions, and the power is reduced to 0kw within 90s under discharge conditions
故障诊断码的判断条件	电芯采样线开路
Failure criteria	Cell sampling line is open
故障治愈条件	单体电压采样正常
Healing condition	Cell voltage sampling is normal
系统反应（降扭或降速等）	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw

故障码 DTC	P1BBF
故障码描述	CMU4-Cell4 单体电压采样线开路
DTC Description	CMU4-Cell4 single voltage sampling line open
故障发生的可能原因	电芯采样线开路
Possible Cause	Cell sampling line is open
检查项目	CMU4-Cell4 单体电压采样线
Check Items	CMU4-Cell4 cell voltage sampling line
可能的影响	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw
Possible Symptom	The power is directly reduced to 0kw under charging conditions, and the power is reduced to 0kw within 90s under discharge conditions
故障诊断码的判断条件	电芯采样线开路
Failure criteria	Cell sampling line is open
故障治愈条件	单体电压采样正常
Healing condition	Cell voltage sampling is normal
系统反应（降扭或降速等）	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw

故障码 DTC	P1BC1
故障码描述	CMU4-Cell5 单体电压采样线开路
DTC Description	CMU4-Cell5 single voltage sampling line open
故障发生的可能原因	电芯采样线开路
Possible Cause	Cell sampling line is open
检查项目	CMU4-Cell5 单体电压采样线
Check Items	CMU4-Cell5 cell voltage sampling line
可能的影响	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw
Possible Symptom	The power is directly reduced to 0kw under charging conditions, and the power is reduced to 0kw within 90s under discharge conditions
故障诊断码的判断条件	电芯采样线开路
Failure criteria	Cell sampling line is open
故障治愈条件	单体电压采样正常
Healing condition	Cell voltage sampling is normal
系统反应（降扭或降速等）	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw

故障码 DTC	P1BC3
故障码描述	CMU4-Cell6 单体电压采样线开路
DTC Description	CMU4-Cell6 single cell voltage sampling line open
故障发生的可能原因	电芯采样线开路
Possible Cause	Cell sampling line is open
检查项目	CMU4-Cell6 单体电压采样线
Check Items	CMU4-Cell6 cell voltage sampling line
可能的影响	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw
Possible Symptom	The power is directly reduced to 0kw under charging conditions, and the power is reduced to 0kw within 90s under discharge conditions
故障诊断码的判断条件	电芯采样线开路
Failure criteria	Cell sampling line is open
故障治愈条件	单体电压采样正常
Healing condition	Cell voltage sampling is normal
系统反应（降扭或降速等）	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw

故障码 DTC	P1BC5
故障码描述	CMU4-Cell7 单体电压采样线开路
DTC Description	CMU4-Cell7 single voltage sampling line open
故障发生的可能原因	电芯采样线开路
Possible Cause	Cell sampling line is open
检查项目	CMU4-Cell7 单体电压采样线
Check Items	CMU4-Cell7 cell voltage sampling line
可能的影响	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw
Possible Symptom	The power is directly reduced to 0kw under charging conditions, and the power is reduced to 0kw within 90s under discharge conditions
故障诊断码的判断条件	电芯采样线开路
Failure criteria	Cell sampling line is open
故障治愈条件	单体电压采样正常
Healing condition	Cell voltage sampling is normal
系统反应（降扭或降速等）	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw

故障码 DTC	P1E01
故障码描述	单体过温安全保护
DTC Description	Single temperature over temperature protection
可能的影响	无法行车，无法充电
Possible Symptom	Can't drive, can't charge
故障诊断码的判断条件	cell temp ＞ 65 ℃，持续 10s 后发出故障
Failure criteria	cell temp ＞ 65 ℃ , failure occurs after 10s
故障治愈条件	温度恢复至标准水平并重新上下电
Healing condition	The temperature returns to the standard level and power on and off again
系统反应（降扭或降速等）	无法行车，无法充电

故障码 DTC	P1BC7
故障码描述	CMU4-Cell8 单体电压采样线开路
DTC Description	CMU4-Cell8 single voltage sampling line open
故障发生的可能原因	电芯采样线开路
Possible Cause	Cell sampling line is open
检查项目	CMU4-Cell8 单体电压采样线
Check Items	CMU4-Cell8 cell voltage sampling line
可能的影响	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw
Possible Symptom	The power is directly reduced to 0kw under charging conditions, and the power is reduced to 0kw within 90s under discharge conditions
故障诊断码的判断条件	电芯采样线开路
Failure criteria	Cell sampling line is open
故障治愈条件	单体电压采样正常
Healing condition	Cell voltage sampling is normal
系统反应（降扭或降速等）	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw

故障码 DTC	P1BC9
故障码描述	CMU4-Cell9 单体电压采样线开路
DTC Description	CMU4-Cell9 single voltage sampling line open
故障发生的可能原因	电芯采样线开路
Possible Cause	Cell sampling line is open
检查项目	CMU4-Cell9 单体电压采样线
Check Items	CMU4-Cell9 cell voltage sampling line
可能的影响	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw
Possible Symptom	The power is directly reduced to 0kw under charging conditions, and the power is reduced to 0kw within 90s under discharge conditions
故障诊断码的判断条件	电芯采样线开路
Failure criteria	Cell sampling line is open
故障治愈条件	单体电压采样正常
Healing condition	Cell voltage sampling is normal
系统反应（降扭或降速等）	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw

故障码 DTC	P1BCB
故障码描述	CMU4-Cell10 单体电压采样线开路
DTC Description	CMU4-Cell10 single voltage sampling line open
故障发生的可能原因	电芯采样线开路
Possible Cause	Cell sampling line is open
检查项目	CMU4-Cell10 单体电压采样线
Check Items	CMU4-Cell10 cell voltage sampling line
可能的影响	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw
Possible Symptom	The power is directly reduced to 0kw under charging conditions, and the power is reduced to 0kw within 90s under discharge conditions
故障诊断码的判断条件	电芯采样线开路
Failure criteria	Cell sampling line is open
故障治愈条件	单体电压采样正常
Healing condition	Cell voltage sampling is normal
系统反应（降扭或降速等）	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw

故障码 DTC	P1BCD
故障码描述	CMU4-Cell11 单体电压采样线开路
DTC Description	CMU4-Cell11 single voltage sampling line open
故障发生的可能原因	电芯采样线开路
Possible Cause	Cell sampling line is open
检查项目	CMU4-Cell11 单体电压采样线
Check Items	CMU4-Cell11 cell voltage sampling line
可能的影响	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw
Possible Symptom	The power is directly reduced to 0kw under charging conditions, and the power is reduced to 0kw within 90s under discharge conditions
故障诊断码的判断条件	电芯采样线开路
Failure criteria	Cell sampling line is open
故障治愈条件	单体电压采样正常
Healing condition	Cell voltage sampling is normal
系统反应（降扭或降速等）	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw

故障码 DTC	P1BCF
故障码描述	CMU4-Cell12 单体电压采样线开路
DTC Description	CMU4-Cell12 single voltage sampling line open
故障发生的可能原因	电芯采样线开路
Possible Cause	Cell sampling line is open
检查项目	CMU4-Cell12 单体电压采样线
Check Items	CMU4-Cell12 cell voltage sampling line
可能的影响	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw
Possible Symptom	The power is directly reduced to 0kw under charging conditions, and the power is reduced to 0kw within 90s under discharge conditions
故障诊断码的判断条件	电芯采样线开路
Failure criteria	Cell sampling line is open
故障治愈条件	单体电压采样正常
Healing condition	Cell voltage sampling is normal
系统反应（降扭或降速等）	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw

故障码 DTC	P1BD1
故障码描述	CMU4-Cell13 单体电压采样线开路
DTC Description	CMU4-Cell13 single voltage sampling line open
故障发生的可能原因	电芯采样线开路
Possible Cause	Cell sampling line is open
检查项目	CMU4-Cell13 单体电压采样线
Check Items	CMU4-Cell13 cell voltage sampling line
可能的影响	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw
Possible Symptom	The power is directly reduced to 0kw under charging conditions, and the power is reduced to 0kw within 90s under discharge conditions
故障诊断码的判断条件	电芯采样线开路
Failure criteria	Cell sampling line is open
故障治愈条件	单体电压采样正常
Healing condition	Cell voltage sampling is normal
系统反应（降扭或降速等）	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw

故障码 DTC	P1BD3
故障码描述	CMU4-Cell14 单体电压采样线开路
DTC Description	CMU4-Cell14 single voltage sampling line open
故障发生的可能原因	电芯采样线开路
Possible Cause	Cell sampling line is open
检查项目	CMU4-Cell14 单体电压采样线
Check Items	CMU4-Cell14 cell voltage sampling line
可能的影响	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw
Possible Symptom	The power is directly reduced to 0kw under charging conditions, and the power is reduced to 0kw within 90s under discharge conditions
故障诊断码的判断条件	电芯采样线开路
Failure criteria	Cell sampling line is open
故障治愈条件	单体电压采样正常
Healing condition	Cell voltage sampling is normal
系统反应（降扭或降速等）	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw

故障码 DTC	P1BD5
故障码描述	CMU5-Cell1 单体电压采样线开路
DTC Description	CMU5-Cell1 single voltage sampling line open
故障发生的可能原因	电芯采样线开路
Possible Cause	Cell sampling line is open
检查项目	CMU5-Cell1 单体电压采样线
Check Items	CMU5-Cell1 cell voltage sampling line
可能的影响	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw
Possible Symptom	The power is directly reduced to 0kw under charging conditions, and the power is reduced to 0kw within 90s under discharge conditions
故障诊断码的判断条件	电芯采样线开路
Failure criteria	Cell sampling line is open
故障治愈条件	单体电压采样正常
Healing condition	Cell voltage sampling is normal
系统反应（降扭或降速等）	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw

故障码 DTC	P1BD7
故障码描述	CMU5-Cell2 单体电压采样线开路
DTC Description	CMU5-Cell2 single voltage sampling line open
故障发生的可能原因	电芯采样线开路
Possible Cause	Cell sampling line is open
检查项目	CMU5-Cell2 单体电压采样线
Check Items	CMU5-Cell2 cell voltage sampling line
可能的影响	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw
Possible Symptom	The power is directly reduced to 0kw under charging conditions, and the power is reduced to 0kw within 90s under discharge conditions
故障诊断码的判断条件	电芯采样线开路
Failure criteria	Cell sampling line is open
故障治愈条件	单体电压采样正常
Healing condition	Cell voltage sampling is normal
系统反应（降扭或降速等）	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw

故障码 DTC	P1BD9
故障码描述	CMU5-Cell3 单体电压采样线开路
DTC Description	CMU5-Cell3 single voltage sampling line open
故障发生的可能原因	电芯采样线开路
Possible Cause	Cell sampling line is open
检查项目	CMU5-Cell3 单体电压采样线
Check Items	CMU5-Cell3 cell voltage sampling line
可能的影响	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw
Possible Symptom	The power is directly reduced to 0kw under charging conditions, and the power is reduced to 0kw within 90s under discharge conditions
故障诊断码的判断条件	电芯采样线开路
Failure criteria	Cell sampling line is open
故障治愈条件	单体电压采样正常
Healing condition	Cell voltage sampling is normal
系统反应（降扭或降速等）	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw

故障码 DTC	P1DF7
故障码描述	Pack 过流保护
DTC Description	Pack overcurrent protection
故障发生的可能原因	
Possible Cause	
检查项目	电流传感器
Check Items	current sensor
可能的影响	主动下高压，无法行车，无法充电
Possible Symptom	Actively under high voltage, unable to drive or charge
故障诊断码的判断条件	Pack Current ＞ 450A，持续 10s 后发出故障
Failure criteria	Pack Current ＞ 450A, failure occurs after 10s
故障治愈条件	Pack 电流恢复至标准水平并重新上下电
Healing condition	Pack current is restored to the standard level and powered on again
系统反应（降扭或降速等）	主动下高压，无法行车，无法充电

故障码 DTC	P1BDB
故障码描述	CMU5-Cell4 单体电压采样线开路
DTC Description	CMU5-Cell4 single cell voltage sampling line open
故障发生的可能原因	电芯采样线开路
Possible Cause	Cell sampling line is open
检查项目	CMU5-Cell4 单体电压采样线
Check Items	CMU5-Cell4 cell voltage sampling line
可能的影响	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw
Possible Symptom	The power is directly reduced to 0kw under charging conditions, and the power is reduced to 0kw within 90s under discharge conditions
故障诊断码的判断条件	电芯采样线开路
Failure criteria	Cell sampling line is open
故障治愈条件	单体电压采样正常
Healing condition	Cell voltage sampling is normal
系统反应（降扭或降速等）	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw

故障码 DTC	P1BDD
故障码描述	CMU5-Cell5 单体电压采样线开路
DTC Description	CMU5-Cell5 single voltage sampling line open
故障发生的可能原因	电芯采样线开路
Possible Cause	Cell sampling line is open
检查项目	CMU5-Cell5 单体电压采样线
Check Items	CMU5-Cell5 cell voltage sampling line
可能的影响	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw
Possible Symptom	The power is directly reduced to 0kw under charging conditions, and the power is reduced to 0kw within 90s under discharge conditions
故障诊断码的判断条件	电芯采样线开路
Failure criteria	Cell sampling line is open
故障治愈条件	单体电压采样正常
Healing condition	Cell voltage sampling is normal
系统反应（降扭或降速等）	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw

故障码 DTC	P1BDF
故障码描述	CMU5-Cell6 单体电压采样线开路
DTC Description	CMU5-Cell6 single cell voltage sampling line open
故障发生的可能原因	电芯采样线开路
Possible Cause	Cell sampling line is open
检查项目	CMU5-Cell6 单体电压采样线
Check Items	CMU5-Cell6 cell voltage sampling line
可能的影响	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw
Possible Symptom	The power is directly reduced to 0kw under charging conditions, and the power is reduced to 0kw within 90s under discharge conditions
故障诊断码的判断条件	电芯采样线开路
Failure criteria	Cell sampling line is open
故障治愈条件	单体电压采样正常
Healing condition	Cell voltage sampling is normal
系统反应（降扭或降速等）	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw

故障码 DTC	P1BE1
故障码描述	CMU5-Cell7 单体电压采样线开路
DTC Description	CMU5-Cell7 single voltage sampling line open
故障发生的可能原因	电芯采样线开路
Possible Cause	Cell sampling line is open
检查项目	CMU5-Cell7 单体电压采样线
Check Items	CMU5-Cell7 cell voltage sampling line
可能的影响	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw
Possible Symptom	The power is directly reduced to 0kw under charging conditions, and the power is reduced to 0kw within 90s under discharge conditions
故障诊断码的判断条件	电芯采样线开路
Failure criteria	Cell sampling line is open
故障治愈条件	单体电压采样正常
Healing condition	Cell voltage sampling is normal
系统反应（降扭或降速等）	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw

故障码 DTC	P1BE3
故障码描述	CMU5-Cell8 单体电压采样线开路
DTC Description	CMU5-Cell8 single voltage sampling line open
故障发生的可能原因	电芯采样线开路
Possible Cause	Cell sampling line is open
检查项目	CMU5-Cell8 单体电压采样线
Check Items	CMU5-Cell8 cell voltage sampling line
可能的影响	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw
Possible Symptom	The power is directly reduced to 0kw under charging conditions, and the power is reduced to 0kw within 90s under discharge conditions
故障诊断码的判断条件	电芯采样线开路
Failure criteria	Cell sampling line is open
故障治愈条件	单体电压采样正常
Healing condition	Cell voltage sampling is normal
系统反应（降扭或降速等）	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw

故障码 DTC	P1BE5
故障码描述	CMU5-Cell9 单体电压采样线开路
DTC Description	CMU5-Cell9 single voltage sampling line open
故障发生的可能原因	电芯采样线开路
Possible Cause	Cell sampling line is open
检查项目	CMU5-Cell9 单体电压采样线
Check Items	CMU5-Cell9 cell voltage sampling line
可能的影响	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw
Possible Symptom	The power is directly reduced to 0kw under charging conditions, and the power is reduced to 0kw within 90s under discharge conditions
故障诊断码的判断条件	电芯采样线开路
Failure criteria	Cell sampling line is open
故障治愈条件	单体电压采样正常
Healing condition	Cell voltage sampling is normal
系统反应（降扭或降速等）	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw

故障码 DTC	P1BE7
故障码描述	CMU5-Cell10 单体电压采样线开路
DTC Description	CMU5-Cell10 single voltage sampling line open
故障发生的可能原因	电芯采样线开路
Possible Cause	Cell sampling line is open
检查项目	CMU5-Cell10 单体电压采样线
Check Items	CMU5-Cell10 cell voltage sampling line
可能的影响	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw
Possible Symptom	The power is directly reduced to 0kw under charging conditions, and the power is reduced to 0kw within 90s under discharge conditions
故障诊断码的判断条件	电芯采样线开路
Failure criteria	Cell sampling line is open
故障治愈条件	单体电压采样正常
Healing condition	Cell voltage sampling is normal
系统反应（降扭或降速等）	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw

故障码 DTC	P1BE9
故障码描述	CMU5-Cell11 单体电压采样线开路
DTC Description	CMU5-Cell11 single voltage sampling line open
故障发生的可能原因	电芯采样线开路
Possible Cause	Cell sampling line is open
检查项目	CMU5-Cell11 单体电压采样线
Check Items	CMU5-Cell11 cell voltage sampling line
可能的影响	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw
Possible Symptom	The power is directly reduced to 0kw under charging conditions, and the power is reduced to 0kw within 90s under discharge conditions
故障诊断码的判断条件	电芯采样线开路
Failure criteria	Cell sampling line is open
故障治愈条件	单体电压采样正常
Healing condition	Cell voltage sampling is normal
系统反应（降扭或降速等）	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw

故障码 DTC	P1BEB
故障码描述	CMU5-Cell12 单体电压采样线开路
DTC Description	CMU5-Cell12 single voltage sampling line open
故障发生的可能原因	电芯采样线开路
Possible Cause	Cell sampling line is open
检查项目	CMU5-Cell12 单体电压采样线
Check Items	CMU5-Cell12 cell voltage sampling line
可能的影响	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw
Possible Symptom	The power is directly reduced to 0kw under charging conditions, and the power is reduced to 0kw within 90s under discharge conditions
故障诊断码的判断条件	电芯采样线开路
Failure criteria	Cell sampling line is open
故障治愈条件	单体电压采样正常
Healing condition	Cell voltage sampling is normal
系统反应（降扭或降速等）	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw

故障码 DTC	P1BED
故障码描述	CMU5-Cell13 单体电压采样线开路
DTC Description	CMU5-Cell13 single voltage sampling line open
故障发生的可能原因	电芯采样线开路
Possible Cause	Cell sampling line is open
检查项目	CMU5-Cell13 单体电压采样线
Check Items	CMU5-Cell13 cell voltage sampling line
可能的影响	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw
Possible Symptom	The power is directly reduced to 0kw under charging conditions, and the power is reduced to 0kw within 90s under discharge conditions
故障诊断码的判断条件	电芯采样线开路
Failure criteria	Cell sampling line is open
故障治愈条件	单体电压采样正常
Healing condition	Cell voltage sampling is normal
系统反应（降扭或降速等)	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw

故障码 DTC	P0AF8
故障码描述	Pack 电压合理性故障
DTC Description	Pack voltage reasonable fault
检查项目	量电池包 pack 电压
Check Items	Measure battery pack pack voltage
可能的影响	BMS 正常运行
Possible Symptom	BMS is operating normally
故障诊断码的判断条件	与电压累加和差值大于 20V，持续 200ms 后发出故障
Failure criteria	The sum of the difference with the voltage is greater than 20V, and the fault will be issued after 200ms
故障治愈条件	与电压累加和差值小于 20V
Healing condition	The cumulative sum difference with the voltage is less than 20V
系统反应（降扭或降速等)	BMS 正常运行

故障码 DTC	P1BEF
故障码描述	CMU5-Cell14 单体电压采样线开路
DTC Description	CMU5-Cell14 single voltage sampling line open
故障发生的可能原因	电芯采样线开路
Possible Cause	Cell sampling line is open
检查项目	CMU5-Cell14 单体电压采样线
Check Items	CMU5-Cell14 cell voltage sampling line
可能的影响	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw
Possible Symptom	The power is directly reduced to 0kw under charging conditions, and the power is reduced to 0kw within 90s under discharge conditions
故障诊断码的判断条件	电芯采样线开路
Failure criteria	Cell sampling line is open
故障治愈条件	单体电压采样正常
Healing condition	Cell voltage sampling is normal
系统反应（降扭或降速等）	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw

故障码 DTC	P1BF1
故障码描述	CMU6-Cell1 单体电压采样线开路
DTC Description	CMU6-Cell1 single voltage sampling line open
故障发生的可能原因	电芯采样线开路
Possible Cause	Cell sampling line is open
检查项目	CMU6-Cell1 单体电压采样线
Check Items	CMU6-Cell1 cell voltage sampling line
可能的影响	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw
Possible Symptom	The power is directly reduced to 0kw under charging conditions, and the power is reduced to 0kw within 90s under discharge conditions
故障诊断码的判断条件	电芯采样线开路
Failure criteria	Cell sampling line is open
故障治愈条件	单体电压采样正常
Healing condition	Cell voltage sampling is normal
系统反应（降扭或降速等）	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw

故障码 DTC	P1BF3
故障码描述	CMU6-Cell2 单体电压采样线开路
DTC Description	CMU6-Cell2 single voltage sampling line open
故障发生的可能原因	电芯采样线开路
Possible Cause	Cell sampling line is open
检查项目	CMU6-Cell2 单体电压采样线
Check Items	CMU6-Cell2 cell voltage sampling line
可能的影响	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw
Possible Symptom	The power is directly reduced to 0kw under charging conditions, and the power is reduced to 0kw within 90s under discharge conditions
故障诊断码的判断条件	电芯采样线开路
Failure criteria	Cell sampling line is open
故障治愈条件	单体电压采样正常
Healing condition	Cell voltage sampling is normal
系统反应（降扭或降速等）	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw

故障码 DTC	P1BF5
故障码描述	CMU6-Cell3 单体电压采样线开路
DTC Description	CMU6-Cell3 single voltage sampling line open
故障发生的可能原因	电芯采样线开路
Possible Cause	Cell sampling line is open
检查项目	CMU6-Cell3 单体电压采样线
Check Items	CMU6-Cell3 cell voltage sampling line
可能的影响	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw
Possible Symptom	The power is directly reduced to 0kw under charging conditions, and the power is reduced to 0kw within 90s under discharge conditions
故障诊断码的判断条件	电芯采样线开路
Failure criteria	Cell sampling line is open
故障治愈条件	单体电压采样正常
Healing condition	Cell voltage sampling is normal
系统反应（降扭或降速等）	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw

故障码 DTC	P1BF7
故障码描述	CMU6-Cell4 单体电压采样线开路
DTC Description	CMU6-Cell4 single voltage sampling line open
故障发生的可能原因	电芯采样线开路
Possible Cause	Cell sampling line is open
检查项目	CMU6-Cell4 单体电压采样线
Check Items	CMU6-Cell4 cell voltage sampling line
可能的影响	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw
Possible Symptom	The power is directly reduced to 0kw under charging conditions, and the power is reduced to 0kw within 90s under discharge conditions
故障诊断码的判断条件	电芯采样线开路
Failure criteria	Cell sampling line is open
故障治愈条件	单体电压采样正常
Healing condition	Cell voltage sampling is normal
系统反应（降扭或降速等）	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw

故障码 DTC	P1BF9
故障码描述	CMU6-Cell5 单体电压采样线开路
DTC Description	CMU6-Cell5 single voltage sampling line open
故障发生的可能原因	电芯采样线开路
Possible Cause	Cell sampling line is open
检查项目	CMU6-Cell5 单体电压采样线
Check Items	CMU6-Cell5 cell voltage sampling line
可能的影响	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw
Possible Symptom	The power is directly reduced to 0kw under charging conditions, and the power is reduced to 0kw within 90s under discharge conditions
故障诊断码的判断条件	电芯采样线开路
Failure criteria	Cell sampling line is open
故障治愈条件	单体电压采样正常
Healing condition	Cell voltage sampling is normal
系统反应（降扭或降速等）	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw

故障码 DTC	P1BFB
故障码描述	CMU6-Cell6 单体电压采样线开路
DTC Description	CMU6-Cell6 single cell voltage sampling line open
故障发生的可能原因	电芯采样线开路
Possible Cause	Cell sampling line is open
检查项目	CMU6-Cell6 单体电压采样线
Check Items	CMU6-Cell6 cell voltage sampling line
可能的影响	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw
Possible Symptom	The power is directly reduced to 0kw under charging conditions, and the power is reduced to 0kw within 90s under discharge conditions
故障诊断码的判断条件	电芯采样线开路
Failure criteria	Cell sampling line is open
故障治愈条件	单体电压采样正常
Healing condition	Cell voltage sampling is normal
系统反应（降扭或降速等）	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw

故障码 DTC	P1BFD
故障码描述	CMU6-Cell7 单体电压采样线开路
DTC Description	CMU6-Cell7 single voltage sampling line open
故障发生的可能原因	电芯采样线开路
Possible Cause	Cell sampling line is open
检查项目	CMU6-Cell7 单体电压采样线
Check Items	CMU6-Cell7 cell voltage sampling line
可能的影响	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw
Possible Symptom	The power is directly reduced to 0kw under charging conditions, and the power is reduced to 0kw within 90s under discharge conditions
故障诊断码的判断条件	电芯采样线开路
Failure criteria	Cell sampling line is open
故障治愈条件	单体电压采样正常
Healing condition	Cell voltage sampling is normal
系统反应（降扭或降速等）	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw

故障码 DTC	P1BFF
故障码描述	CMU6-Cell8 单体电压采样线开路
DTC Description	CMU6-Cell8 single voltage sampling line open
故障发生的可能原因	电芯采样线开路
Possible Cause	Cell sampling line is open
检查项目	CMU6-Cell8 单体电压采样线
Check Items	CMU6-Cell8 cell voltage sampling line
可能的影响	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw
Possible Symptom	The power is directly reduced to 0kw under charging conditions, and the power is reduced to 0kw within 90s under discharge conditions
故障诊断码的判断条件	电芯采样线开路
Failure criteria	Cell sampling line is open
故障治愈条件	单体电压采样正常
Healing condition	Cell voltage sampling is normal
系统反应（降扭或降速等）	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw

故障码 DTC	P1D01
故障码描述	CMU6-Cell9 单体电压采样线开路
DTC Description	CMU6-Cell9 single voltage sampling line open
故障发生的可能原因	电芯采样线开路
Possible Cause	Cell sampling line is open
检查项目	CMU6-Cell9 单体电压采样线
Check Items	CMU6-Cell9 cell voltage sampling line
可能的影响	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw
Possible Symptom	The power is directly reduced to 0kw under charging conditions, and the power is reduced to 0kw within 90s under discharge conditions
故障诊断码的判断条件	电芯采样线开路
Failure criteria	Cell sampling line is open
故障治愈条件	单体电压采样正常
Healing condition	Cell voltage sampling is normal
系统反应（降扭或降速等）	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw

故障码 DTC	P1B50
故障码描述	预充电压合理性故障
DTC Description	Precharge pressure reasonable fault
故障发生的可能原因	预充电压采集通道异常
Possible Cause	Cell sampling line is open
检查项目	预充电压采集通道
Check Items	Precharge voltage acquisition channel
可能的影响	BMS 正常运行
Possible Symptom	BMS is operating normally
故障诊断码的判断条件	与预充冗余通道采样差值大于 10V，持续 50ms 后发出故障
Failure criteria	The sampling difference with the pre-charged redundant channel is greater than 10V, and a fault occurs after 50ms
故障治愈条件	与预充冗余通道采样差值大于 10V
Healing condition	The sampling difference with the pre-charged redundant channel is greater than 10V
系统反应（降扭或降速等）	BMS 正常运行

故障码 DTC	P1D03
故障码描述	CMU6-Cell10 单体电压采样线开路
DTC Description	CMU6-Cell10 single voltage sampling line open
故障发生的可能原因	电芯采样线开路
Possible Cause	Cell sampling line is open
检查项目	CMU6-Cell10 单体电压采样线
Check Items	CMU6-Cell10 cell voltage sampling line
可能的影响	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw
Possible Symptom	The power is directly reduced to 0kw under charging conditions, and the power is reduced to 0kw within 90s under discharge conditions
故障诊断码的判断条件	电芯采样线开路
Failure criteria	Cell sampling line is open
故障治愈条件	单体电压采样正常
Healing condition	Cell voltage sampling is normal
系统反应（降扭或降速等）	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw

故障码 DTC	P1D05
故障码描述	CMU6-Cell11 单体电压采样线开路
DTC Description	CMU6-Cell11 single voltage sampling line open
故障发生的可能原因	电芯采样线开路
Possible Cause	Cell sampling line is open
检查项目	CMU6-Cell11 单体电压采样线
Check Items	CMU6-Cell11 cell voltage sampling line
可能的影响	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw
Possible Symptom	The power is directly reduced to 0kw under charging conditions, and the power is reduced to 0kw within 90s under discharge conditions
故障诊断码的判断条件	电芯采样线开路
Failure criteria	Cell sampling line is open
故障治愈条件	单体电压采样正常
Healing condition	Cell voltage sampling is normal
系统反应（降扭或降速等）	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw

故障码 DTC	P1D07
故障码描述	CMU6-Cell12 单体电压采样线开路
DTC Description	CMU6-Cell12 single voltage sampling line open
故障发生的可能原因	电芯采样线开路
Possible Cause	Cell sampling line is open
检查项目	CMU6-Cell12 单体电压采样线
Check Items	CMU6-Cell12 cell voltage sampling line
可能的影响	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw
Possible Symptom	The power is directly reduced to 0kw under charging conditions, and the power is reduced to 0kw within 90s under discharge conditions
故障诊断码的判断条件	电芯采样线开路
Failure criteria	Cell sampling line is open
故障治愈条件	单体电压采样正常
Healing condition	Cell voltage sampling is normal
系统反应（降扭或降速等）	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw

故障码 DTC	P1D09
故障码描述	CMU6-Cell13 单体电压采样线开路
DTC Description	CMU6-Cell13 single voltage sampling line open
故障发生的可能原因	电芯采样线开路
Possible Cause	Cell sampling line is open
检查项目	CMU6-Cell13 单体电压采样线
Check Items	CMU6-Cell13 cell voltage sampling line
可能的影响	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw
Possible Symptom	The power is directly reduced to 0kw under charging conditions, and the power is reduced to 0kw within 90s under discharge conditions
故障诊断码的判断条件	电芯采样线开路
Failure criteria	Cell sampling line is open
故障治愈条件	单体电压采样正常
Healing condition	Cell voltage sampling is normal
系统反应（降扭或降速等）	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw

故障码 DTC	P1D0B
故障码描述	CMU6-Cell14 单体电压采样线开路
DTC Description	CMU6-Cell14 single voltage sampling line open
故障发生的可能原因	电芯采样线开路
Possible Cause	Cell sampling line is open
检查项目	CMU6-Cell14 单体电压采样线
Check Items	CMU6-Cell14 cell voltage sampling line
可能的影响	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw
Possible Symptom	The power is directly reduced to 0kw under charging conditions, and the power is reduced to 0kw within 90s under discharge conditions
故障诊断码的判断条件	电芯采样线开路
Failure criteria	Cell sampling line is open
故障治愈条件	单体电压采样正常
Healing condition	Cell voltage sampling is normal
系统反应（降扭或降速等）	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw

故障码 DTC	P1D0D
故障码描述	CMU7-Cell1 单体电压采样线开路
DTC Description	CMU7-Cell1 single voltage sampling line open
故障发生的可能原因	电芯采样线开路
Possible Cause	Cell sampling line is open
检查项目	CMU7-Cell1 单体电压采样线
Check Items	CMU7-Cell1 cell voltage sampling line
可能的影响	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw
Possible Symptom	The power is directly reduced to 0kw under charging conditions, and the power is reduced to 0kw within 90s under discharge conditions
故障诊断码的判断条件	电芯采样线开路
Failure criteria	Cell sampling line is open
故障治愈条件	单体电压采样正常
Healing condition	Cell voltage sampling is normal
系统反应（降扭或降速等）	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw

故障码 DTC	P1D0F
故障码描述	CMU7-Cell2 单体电压采样线开路
DTC Description	CMU7-Cell2 single voltage sampling line open
故障发生的可能原因	电芯采样线开路
Possible Cause	Cell sampling line is open
检查项目	CMU7-Cell2 单体电压采样线
Check Items	CMU7-Cell2 cell voltage sampling line
可能的影响	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw
Possible Symptom	The power is directly reduced to 0kw under charging conditions, and the power is reduced to 0kw within 90s under discharge conditions
故障诊断码的判断条件	电芯采样线开路
Failure criteria	Cell sampling line is open
故障治愈条件	单体电压采样正常
Healing condition	Cell voltage sampling is normal
系统反应（降扭或降速等）	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw

故障码 DTC	P1D11
故障码描述	CMU7-Cell3 单体电压采样线开路
DTC Description	CMU7-Cell3 single voltage sampling line open
故障发生的可能原因	电芯采样线开路
Possible Cause	Cell sampling line is open
检查项目	CMU7-Cell3 单体电压采样线
Check Items	CMU7-Cell3 cell voltage sampling line
可能的影响	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw
Possible Symptom	The power is directly reduced to 0kw under charging conditions, and the power is reduced to 0kw within 90s under discharge conditions
故障诊断码的判断条件	电芯采样线开路
Failure criteria	Cell sampling line is open
故障治愈条件	单体电压采样正常
Healing condition	Cell voltage sampling is normal
系统反应（降扭或降速等）	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw

故障码 DTC	P1D13
故障码描述	CMU7-Cell4 单体电压采样线开路
DTC Description	CMU7-Cell4 single voltage sampling line open
故障发生的可能原因	电芯采样线开路
Possible Cause	Cell sampling line is open
检查项目	CMU7-Cell4 单体电压采样线
Check Items	CMU7-Cell4 cell voltage sampling line
可能的影响	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw
Possible Symptom	The power is directly reduced to 0kw under charging conditions, and the power is reduced to 0kw within 90s under discharge conditions
故障诊断码的判断条件	电芯采样线开路
Failure criteria	Cell sampling line is open
故障治愈条件	单体电压采样正常
Healing condition	Cell voltage sampling is normal
系统反应（降扭或降速等）	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw

故障码 DTC	P1D15
故障码描述	CMU7-Cell5 单体电压采样线开路
DTC Description	CMU7-Cell5 single voltage sampling line open
故障发生的可能原因	电芯采样线开路
Possible Cause	Cell sampling line is open
检查项目	CMU7-Cell5 单体电压采样线
Check Items	CMU7-Cell5 cell voltage sampling line
可能的影响	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw
Possible Symptom	The power is directly reduced to 0kw under charging conditions, and the power is reduced to 0kw within 90s under discharge conditions
故障诊断码的判断条件	电芯采样线开路
Failure criteria	Cell sampling line is open
故障治愈条件	单体电压采样正常
Healing condition	Cell voltage sampling is normal
系统反应（降扭或降速等）	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw

故障码 DTC	P0562
故障码描述	系统供电电压低
DTC Description	System power supply voltage is low
故障发生的可能原因	蓄电池馈电
Possible Cause	Battery failure
检查项目	测量蓄电池电压
Check Items	Measure battery voltage
可能的影响	BMS 正常运行
Possible Symptom	BMS is operating normally
故障诊断码的判断条件	KL30 （蓄电池）电压小于 8.5V，持续 1S 后报出故障
Failure criteria	The voltage of KL30 (battery) is less than 8.5V, and the fault will be reported after 1S.
故障治愈条件	KL30 （蓄电池）电压大于 9.5V
Healing condition	KL30 (battery) voltage is greater than 9.5V
系统反应（降扭或降速等）	仅记录故障码，无系统反应

故障码 DTC	P1B17
故障码描述	交流充电电压合理性故障
DTC Description	AC charging voltage reasonable fault
故障发生的可能原因	交流充电电压异常
Possible Cause	Abnormal AC charging voltage
检查项目	交流充电机
Check Items	AC charger
可能的影响	BMS 正常运行
Possible Symptom	BMS is operating normally
故障诊断码的判断条件	与电压累加和差值大于 20V，持续 200ms 后发出故障
Failure criteria	The sum of the difference with the voltage is greater than 20V, and the fault will be issued after 200ms
故障治愈条件	与电压累加和差值小于 20V
Healing condition	The cumulative sum difference with the voltage is less than 20V
系统反应（降扭或降速等）	BMS 正常运行

故障码 DTC	P1D17
故障码描述	CMU7-Cell6 单体电压采样线开路
DTC Description	CMU7-Cell6 single voltage sampling line open
故障发生的可能原因	电芯采样线开路
Possible Cause	Cell sampling line is open
检查项目	CMU7-Cell6 单体电压采样线
Check Items	CMU7-Cell6 cell voltage sampling line
可能的影响	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw
Possible Symptom	The power is directly reduced to 0kw under charging conditions, and the power is reduced to 0kw within 90s under discharge conditions
故障诊断码的判断条件	电芯采样线开路
Failure criteria	Cell sampling line is open
故障治愈条件	单体电压采样正常
Healing condition	Cell voltage sampling is normal
系统反应（降扭或降速等）	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw

故障码 DTC	P1D19
故障码描述	CMU7-Cell7 单体电压采样线开路
DTC Description	CMU7-Cell7 single voltage sampling line open
故障发生的可能原因	电芯采样线开路
Possible Cause	Cell sampling line is open
检查项目	CMU7-Cell7 单体电压采样线
Check Items	CMU7-Cell7 cell voltage sampling line
可能的影响	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw
Possible Symptom	The power is directly reduced to 0kw under charging conditions, and the power is reduced to 0kw within 90s under discharge conditions
故障诊断码的判断条件	电芯采样线开路
Failure criteria	Cell sampling line is open
故障治愈条件	单体电压采样正常
Healing condition	Cell voltage sampling is normal
系统反应（降扭或降速等）	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw

故障码 DTC	P1D1B
故障码描述	CMU7-Cell8 单体电压采样线开路
DTC Description	CMU7-Cell8 single voltage sampling line open
故障发生的可能原因	电芯采样线开路
Possible Cause	Cell sampling line is open
检查项目	CMU7-Cell8 单体电压采样线
Check Items	CMU7-Cell8 cell voltage sampling line
可能的影响	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw
Possible Symptom	The power is directly reduced to 0kw under charging conditions, and the power is reduced to 0kw within 90s under discharge conditions
故障诊断码的判断条件	电芯采样线开路
Failure criteria	Cell sampling line is open
故障治愈条件	单体电压采样正常
Healing condition	Cell voltage sampling is normal
系统反应（降扭或降速等）	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw

故障码 DTC	P1D1D
故障码描述	CMU7-Cell9 单体电压采样线开路
DTC Description	CMU7-Cell9 single voltage sampling line open
故障发生的可能原因	电芯采样线开路
Possible Cause	Cell sampling line is open
检查项目	CMU7-Cell9 单体电压采样线
Check Items	CMU7-Cell9 cell voltage sampling line
可能的影响	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw
Possible Symptom	The power is directly reduced to 0kw under charging conditions, and the power is reduced to 0kw within 90s under discharge conditions
故障诊断码的判断条件	电芯采样线开路
Failure criteria	Cell sampling line is open
故障治愈条件	单体电压采样正常
Healing condition	Cell voltage sampling is normal
系统反应（降扭或降速等）	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw

故障码 DTC	P1D1F
故障码描述	CMU7-Cell10 单体电压采样线开路
DTC Description	CMU7-Cell10 single voltage sampling line open
故障发生的可能原因	电芯采样线开路
Possible Cause	Cell sampling line is open
检查项目	CMU7-Cell10 单体电压采样线
Check Items	CMU7-Cell10 cell voltage sampling line
可能的影响	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw
Possible Symptom	The power is directly reduced to 0kw under charging conditions, and the power is reduced to 0kw within 90s under discharge conditions
故障诊断码的判断条件	电芯采样线开路
Failure criteria	Cell sampling line is open
故障治愈条件	单体电压采样正常
Healing condition	Cell voltage sampling is normal
系统反应（降扭或降速等）	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw

故障码 DTC	P1D21
故障码描述	CMU7-Cell11 单体电压采样线开路
DTC Description	CMU7-Cell11 single voltage sampling line open
故障发生的可能原因	电芯采样线开路
Possible Cause	Cell sampling line is open
检查项目	CMU7-Cell11 单体电压采样线
Check Items	CMU7-Cell11 cell voltage sampling line
可能的影响	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw
Possible Symptom	The power is directly reduced to 0kw under charging conditions, and the power is reduced to 0kw within 90s under discharge conditions
故障诊断码的判断条件	电芯采样线开路
Failure criteria	Cell sampling line is open
故障治愈条件	单体电压采样正常
Healing condition	Cell voltage sampling is normal
系统反应（降扭或降速等）	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw

故障码 DTC	P1D23
故障码描述	CMU7-Cell12 单体电压采样线开路
DTC Description	CMU7-Cell12 single voltage sampling line open
故障发生的可能原因	电芯采样线开路
Possible Cause	Cell sampling line is open
检查项目	CMU7-Cell12 单体电压采样线
Check Items	CMU7-Cell12 cell voltage sampling line
可能的影响	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw
Possible Symptom	The power is directly reduced to 0kw under charging conditions, and the power is reduced to 0kw within 90s under discharge conditions
故障诊断码的判断条件	电芯采样线开路
Failure criteria	Cell sampling line is open
故障治愈条件	单体电压采样正常
Healing condition	Cell voltage sampling is normal
系统反应（降扭或降速等）	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw

故障码 DTC	P1D25
故障码描述	CMU7-Cell13 单体电压采样线开路
DTC Description	CMU7-Cell13 single voltage sampling line open
故障发生的可能原因	电芯采样线开路
Possible Cause	Cell sampling line is open
检查项目	CMU7-Cell13 单体电压采样线
Check Items	CMU7-Cell13 cell voltage sampling line
可能的影响	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw
Possible Symptom	The power is directly reduced to 0kw under charging conditions, and the power is reduced to 0kw within 90s under discharge conditions
故障诊断码的判断条件	电芯采样线开路
Failure criteria	Cell sampling line is open
故障治愈条件	单体电压采样正常
Healing condition	Cell voltage sampling is normal
系统反应（降扭或降速等）	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw

故障码 DTC	P1D27
故障码描述	CMU7-Cell14 单体电压采样线开路
DTC Description	CMU7-Cell14 single voltage sampling line open
故障发生的可能原因	电芯采样线开路
Possible Cause	Cell sampling line is open
检查项目	CMU7-Cell14 单体电压采样线
Check Items	CMU7-Cell14 cell voltage sampling line
可能的影响	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw
Possible Symptom	The power is directly reduced to 0kw under charging conditions, and the power is reduced to 0kw within 90s under discharge conditions
故障诊断码的判断条件	电芯采样线开路
Failure criteria	Cell sampling line is open
故障治愈条件	单体电压采样正常
Healing condition	Cell voltage sampling is normal
系统反应（降扭或降速等）	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw

故障码 DTC	P1D29
故障码描述	CMU8-Cell1 单体电压采样线开路
DTC Description	CMU8-Cell1 single voltage sampling line open
故障发生的可能原因	电芯采样线开路
Possible Cause	Cell sampling line is open
检查项目	CMU8-Cell1 单体电压采样线
Check Items	CMU8-Cell1 cell voltage sampling line
可能的影响	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw
Possible Symptom	The power is directly reduced to 0kw under charging conditions, and the power is reduced to 0kw within 90s under discharge conditions
故障诊断码的判断条件	电芯采样线开路
Failure criteria	Cell sampling line is open
故障治愈条件	单体电压采样正常
Healing condition	Cell voltage sampling is normal
系统反应（降扭或降速等）	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw

故障码 DTC	P1B2C
故障码描述	直流充电电压合理性故障
DTC Description	DC charging voltage reasonable fault
故障发生的可能原因	直流充电电压异常
Possible Cause	Abnormal DC charging voltage
可能的影响	BMS 正常运行
Possible Symptom	BMS is operating normally
故障诊断码的判断条件	与电压累加和差值大于 20V，持续 200ms 后发出故障
Failure criteria	The sum of the difference with the voltage is greater than 20V, and the fault will be issued after 200ms
故障治愈条件	与电压累加和差值小于 20V
Healing condition	The cumulative sum difference with the voltage is less than 20V
系统反应（降扭或降速等）	BMS 正常运行

故障码 DTC	P1D2B
故障码描述	CMU8-Cell2 单体电压采样线开路
DTC Description	CMU8-Cell2 single voltage sampling line open
故障发生的可能原因	电芯采样线开路
Possible Cause	Cell sampling line is open
检查项目	CMU8-Cell2 单体电压采样线
Check Items	CMU8-Cell2 cell voltage sampling line
可能的影响	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw
Possible Symptom	The power is directly reduced to 0kw under charging conditions, and the power is reduced to 0kw within 90s under discharge conditions
故障诊断码的判断条件	电芯采样线开路
Failure criteria	Cell sampling line is open
故障治愈条件	单体电压采样正常
Healing condition	Cell voltage sampling is normal
系统反应（降扭或降速等）	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw

故障码 DTC	P1D2D
故障码描述	CMU8-Cell3 单体电压采样线开路
DTC Description	CMU8-Cell3 single voltage sampling line open
故障发生的可能原因	电芯采样线开路
Possible Cause	Cell sampling line is open
检查项目	CMU8-Cell3 单体电压采样线
Check Items	CMU8-Cell3 cell voltage sampling line
可能的影响	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw
Possible Symptom	The power is directly reduced to 0kw under charging conditions, and the power is reduced to 0kw within 90s under discharge conditions
故障诊断码的判断条件	电芯采样线开路
Failure criteria	Cell sampling line is open
故障治愈条件	单体电压采样正常
Healing condition	Cell voltage sampling is normal
系统反应（降扭或降速等）	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw

故障码 DTC	P1D2F
故障码描述	CMU8-Cell4 单体电压采样线开路
DTC Description	CMU8-Cell4 single voltage sampling line open
故障发生的可能原因	电芯采样线开路
Possible Cause	Cell sampling line is open
检查项目	CMU8-Cell4 单体电压采样线
Check Items	CMU8-Cell4 cell voltage sampling line
可能的影响	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw
Possible Symptom	The power is directly reduced to 0kw under charging conditions, and the power is reduced to 0kw within 90s under discharge conditions
故障诊断码的判断条件	电芯采样线开路
Failure criteria	Cell sampling line is open
故障治愈条件	单体电压采样正常
Healing condition	Cell voltage sampling is normal
系统反应（降扭或降速等）	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw

故障码 DTC	P1D31
故障码描述	CMU8-Cell5 单体电压采样线开路
DTC Description	CMU8-Cell5 single voltage sampling line open
故障发生的可能原因	电芯采样线开路
Possible Cause	Cell sampling line is open
检查项目	CMU8-Cell5 单体电压采样线
Check Items	CMU8-Cell5 cell voltage sampling line
可能的影响	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw
Possible Symptom	The power is directly reduced to 0kw under charging conditions, and the power is reduced to 0kw within 90s under discharge conditions
故障诊断码的判断条件	电芯采样线开路
Failure criteria	Cell sampling line is open
故障治愈条件	单体电压采样正常
Healing condition	Cell voltage sampling is normal
系统反应（降扭或降速等）	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw

故障码 DTC	P1D33
故障码描述	CMU8-Cell6 单体电压采样线开路
DTC Description	CMU8-Cell6 single cell voltage sampling line open
故障发生的可能原因	电芯采样线开路
Possible Cause	Cell sampling line is open
检查项目	CMU8-Cell6 单体电压采样线
Check Items	CMU8-Cell6 cell voltage sampling line
可能的影响	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw
Possible Symptom	The power is directly reduced to 0kw under charging conditions, and the power is reduced to 0kw within 90s under discharge conditions
故障诊断码的判断条件	电芯采样线开路
Failure criteria	Cell sampling line is open
故障治愈条件	单体电压采样正常
Healing condition	Cell voltage sampling is normal
系统反应（降扭或降速等）	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw

故障码 DTC	P1D35
故障码描述	CMU8-Cell7 单体电压采样线开路
DTC Description	CMU8-Cell7 single voltage sampling line open
故障发生的可能原因	电芯采样线开路
Possible Cause	Cell sampling line is open
检查项目	CMU8-Cell7 单体电压采样线
Check Items	CMU8-Cell7 cell voltage sampling line
可能的影响	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw
Possible Symptom	The power is directly reduced to 0kw under charging conditions, and the power is reduced to 0kw within 90s under discharge conditions
故障诊断码的判断条件	电芯采样线开路
Failure criteria	Cell sampling line is open
故障治愈条件	单体电压采样正常
Healing condition	Cell voltage sampling is normal
系统反应（降扭或降速等）	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw

故障码 DTC	P1D37
故障码描述	CMU8-Cell8 单体电压采样线开路
DTC Description	CMU8-Cell8 single voltage sampling line open
故障发生的可能原因	电芯采样线开路
Possible Cause	Cell sampling line is open
检查项目	CMU8-Cell8 单体电压采样线
Check Items	CMU8-Cell8 cell voltage sampling line
可能的影响	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw
Possible Symptom	The power is directly reduced to 0kw under charging conditions, and the power is reduced to 0kw within 90s under discharge conditions
故障诊断码的判断条件	电芯采样线开路
Failure criteria	Cell sampling line is open
故障治愈条件	单体电压采样正常
Healing condition	Cell voltage sampling is normal
系统反应（降扭或降速等）	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw

故障码 DTC	P1D39
故障码描述	CMU8-Cell9 单体电压采样线开路
DTC Description	CMU8-Cell9 single voltage sampling line open
故障发生的可能原因	电芯采样线开路
Possible Cause	Cell sampling line is open
检查项目	CMU8-Cell9 单体电压采样线
Check Items	CMU8-Cell9 cell voltage sampling line
可能的影响	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw
Possible Symptom	The power is directly reduced to 0kw under charging conditions, and the power is reduced to 0kw within 90s under discharge conditions
故障诊断码的判断条件	电芯采样线开路
Failure criteria	Cell sampling line is open
故障治愈条件	单体电压采样正常
Healing condition	Cell voltage sampling is normal
系统反应（降扭或降速等）	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw

故障码 DTC	P1D3B
故障码描述	CMU8-Cell10 单体电压采样线开路
DTC Description	CMU8-Cell10 single voltage sampling line open
故障发生的可能原因	电芯采样线开路
Possible Cause	Cell sampling line is open
检查项目	CMU8-Cell10 单体电压采样线
Check Items	CMU8-Cell10 cell voltage sampling line
可能的影响	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw
Possible Symptom	The power is directly reduced to 0kw under charging conditions, and the power is reduced to 0kw within 90s under discharge conditions
故障诊断码的判断条件	电芯采样线开路
Failure criteria	Cell sampling line is open
故障治愈条件	单体电压采样正常
Healing condition	Cell voltage sampling is normal
系统反应（降扭或降速等）	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw

故障码 DTC	P1D3D
故障码描述	CMU8-Cell11 单体电压采样线开路
DTC Description	CMU8-Cell11 single voltage sampling line open
故障发生的可能原因	电芯采样线开路
Possible Cause	Cell sampling line is open
检查项目	CMU8-Cell11 单体电压采样线
Check Items	CMU8-Cell11 cell voltage sampling line
可能的影响	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw
Possible Symptom	The power is directly reduced to 0kw under charging conditions, and the power is reduced to 0kw within 90s under discharge conditions
故障诊断码的判断条件	电芯采样线开路
Failure criteria	Cell sampling line is open
故障治愈条件	单体电压采样正常
Healing condition	Cell voltage sampling is normal
系统反应（降扭或降速等）	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw

故障码 DTC	P0AFB
故障码描述	Pack 电压高 Warning 故障
DTC Description	Pack voltage high Warning failure
故障发生的可能原因	Pack 电压高
Possible Cause	Pack high voltage
检查项目	量电池包 pack 电压
Check Items	Measure battery pack pack voltage
可能的影响	充电工况下功率限一半，放电工况下 BMS 正常运行
Possible Symptom	The power limit is half under charging conditions, and the BMS runs normally under discharge conditions
故障诊断码的判断条件	pack volt ＞ 417V，持续 1s 后发出故障
Failure criteria	pack volt ＞ 417V, failure occurs after 1s
故障治愈条件	电压恢复至标准水平
Healing condition	The voltage returns to the standard level
系统反应（降扭或降速等）	充电工况下功率限一半，放电工况下 BMS 正常运行

故障码 DTC	P1D3F
故障码描述	CMU8-Cell12 单体电压采样线开路
DTC Description	CMU8-Cell12 single voltage sampling line open
故障发生的可能原因	电芯采样线开路
Possible Cause	Cell sampling line is open
检查项目	CMU8-Cell12 单体电压采样线
Check Items	CMU8-Cell12 cell voltage sampling line
可能的影响	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw
Possible Symptom	The power is directly reduced to 0kw under charging conditions, and the power is reduced to 0kw within 90s under discharge conditions
故障诊断码的判断条件	电芯采样线开路
Failure criteria	Cell sampling line is open
故障治愈条件	单体电压采样正常
Healing condition	Cell voltage sampling is normal
系统反应（降扭或降速等）	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw

故障码 DTC	P1D41
故障码描述	CMU8-Cell13 单体电压采样线开路
DTC Description	CMU8-Cell13 single voltage sampling line open
故障发生的可能原因	电芯采样线开路
Possible Cause	Cell sampling line is open
检查项目	CMU8-Cell13 单体电压采样线
Check Items	CMU8-Cell13 cell voltage sampling line
可能的影响	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw
Possible Symptom	The power is directly reduced to 0kw under charging conditions, and the power is reduced to 0kw within 90s under discharge conditions
故障诊断码的判断条件	电芯采样线开路
Failure criteria	Cell sampling line is open
故障治愈条件	单体电压采样正常
Healing condition	Cell voltage sampling is normal
系统反应（降扭或降速等）	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw

故障码 DTC	P1D43
故障码描述	CMU8-Cell14 单体电压采样线开路
DTC Description	CMU8-Cell14 single voltage sampling line open
故障发生的可能原因	电芯采样线开路
Possible Cause	Cell sampling line is open
检查项目	CMU8-Cell14 单体电压采样线
Check Items	CMU8-Cell14 cell voltage sampling line
可能的影响	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw
Possible Symptom	The power is directly reduced to 0kw under charging conditions, and the power is reduced to 0kw within 90s under discharge conditions
故障诊断码的判断条件	电芯采样线开路
Failure criteria	Cell sampling line is open
故障治愈条件	单体电压采样正常
Healing condition	Cell voltage sampling is normal
系统反应（降扭或降速等）	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw

故障码 DTC	P1D45
故障码描述	CMU1-Temp1 开路
DTC Description	CMU1-Temp1 open circuit
故障发生的可能原因	CMU1-Temp1 开路
Possible Cause	CMU1-Temp1 open
检查项目	CMU1-Temp1 采样线
Check Items	CMU1-Temp1 sampling line
可能的影响	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw
Possible Symptom	The power is directly reduced to 0kw under charging conditions, and the power is reduced to 0kw within 90s under discharge conditions
故障诊断码的判断条件	单体温度采样电路开路，持续 300ms
Failure criteria	The single temperature sampling circuit is open for 300ms
故障治愈条件	单体温度采样电路正常
Healing condition	The monomer temperature sampling circuit is normal
系统反应（降扭或降速等）	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw

故障码 DTC	P1D46
故障码描述	CMU1-Temp2 开路
DTC Description	CMU1-Temp2 open circuit
故障发生的可能原因	CMU1-Temp2 开路
Possible Cause	CMU1-Temp2 open
检查项目	CMU1-Temp2 采样线
Check Items	CMU1-Temp2 sampling line
可能的影响	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw
Possible Symptom	The power is directly reduced to 0kw under charging conditions, and the power is reduced to 0kw within 90s under discharge conditions
故障诊断码的判断条件	单体温度采样电路开路，持续 300ms
Failure criteria	The single temperature sampling circuit is open for 300ms
故障治愈条件	单体温度采样电路正常
Healing condition	The monomer temperature sampling circuit is normal
系统反应（降扭或降速等）	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw

故障码 DTC	P1D47
故障码描述	CMU1-Temp3 开路
DTC Description	CMU1-Temp3 open circuit
故障发生的可能原因	CMU1-Temp3 开路
Possible Cause	CMU1-Temp3 open
检查项目	CMU1-Temp3 采样线
Check Items	CMU1-Temp3 sampling line
可能的影响	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw
Possible Symptom	The power is directly reduced to 0kw under charging conditions, and the power is reduced to 0kw within 90s under discharge conditions
故障诊断码的判断条件	单体温度采样电路开路，持续 300ms
Failure criteria	The single temperature sampling circuit is open for 300ms
故障治愈条件	单体温度采样电路正常
Healing condition	The monomer temperature sampling circuit is normal
系统反应（降扭或降速等）	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw

故障码 DTC	P1D48
故障码描述	CMU1-Temp4 开路
DTC Description	CMU1-Temp4 open circuit
故障发生的可能原因	CMU1-Temp4 开路
Possible Cause	CMU1-Temp4 open
检查项目	CMU1-Temp4 采样线
Check Items	CMU1-Temp4 sampling line
可能的影响	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw
Possible Symptom	The power is directly reduced to 0kw under charging conditions, and the power is reduced to 0kw within 90s under discharge conditions
故障诊断码的判断条件	单体温度采样电路开路，持续 300ms
Failure criteria	The single temperature sampling circuit is open for 300ms
故障治愈条件	单体温度采样电路正常
Healing condition	The monomer temperature sampling circuit is normal
系统反应（降扭或降速等）	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw

故障码 DTC	P1D4A
故障码描述	CMU1-Temp5 开路
DTC Description	CMU1-Temp5 open circuit
故障发生的可能原因	CMU1-Temp5 开路
Possible Cause	CMU1-Temp5 open
检查项目	CMU1-Temp5 采样线
Check Items	CMU1-Temp5 sampling line
可能的影响	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw
Possible Symptom	The power is directly reduced to 0kw under charging conditions, and the power is reduced to 0kw within 90s under discharge conditions
故障诊断码的判断条件	单体温度采样电路开路，持续 300ms
Failure criteria	The single temperature sampling circuit is open for 300ms
故障治愈条件	单体温度采样电路正常
Healing condition	The monomer temperature sampling circuit is normal
系统反应（降扭或降速等）	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw

故障码 DTC	P1D4E
故障码描述	CMU2-Temp1 开路
DTC Description	CMU2-Temp1 open circuit
故障发生的可能原因	CMU2-Temp1 开路
Possible Cause	CMU2-Temp1 open
检查项目	CMU2-Temp1 采样线
Check Items	CMU2-Temp1 sampling line
可能的影响	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw
Possible Symptom	The power is directly reduced to 0kw under charging conditions, and the power is reduced to 0kw within 90s under discharge conditions
故障诊断码的判断条件	单体温度采样电路开路，持续 300ms
Failure criteria	The single temperature sampling circuit is open for 300ms
故障治愈条件	单体温度采样正常
Healing condition	The monomer temperature sampling is normal
系统反应（降扭或降速等）	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw

故障码 DTC	P1D52
故障码描述	CMU2-Temp2 开路
DTC Description	CMU2-Temp2 open circuit
故障发生的可能原因	CMU2-Temp2 开路
Possible Cause	CMU2-Temp2 open
检查项目	CMU2-Temp2 采样线
Check Items	CMU2-Temp2 sampling line
可能的影响	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw
Possible Symptom	The power is directly reduced to 0kw under charging conditions, and the power is reduced to 0kw within 90s under discharge conditions
故障诊断码的判断条件	单体温度采样电路开路，持续 300ms
Failure criteria	The single temperature sampling circuit is open for 300ms
故障治愈条件	单体温度采样正常
Healing condition	The monomer temperature sampling is normal
系统反应（降扭或降速等）	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw

故障码 DTC	P0AFB
故障码描述	Pack 电压高 Alarm 故障
DTC Description	Pack voltage high Alarm failure
故障发生的可能原因	Pack 电压高
Possible Cause	Pack high voltage
检查项目	量电池包 pack 电压
Check Items	Measure battery pack pack voltage
可能的影响	充电工况下 90s 内功率降为 0kw，放电工况下 BMS 正常运行
Possible Symptom	The power drops to 0kw within 90s under charging conditions, and the BMS runs normally under discharge conditions
故障诊断码的判断条件	pack volt ＞ 420V，持续 1s 后发出故障
Failure criteria	pack volt ＞ 420V, failure occurs after 1s
故障治愈条件	电压恢复至标准水平
Healing condition	The voltage returns to the standard level
系统反应（降扭或降速等）	充电工况下 90s 内功率降为 0kw，放电工况下 BMS 正常运行

故障码 DTC	P1D56
故障码描述	CMU2-Temp3 开路
DTC Description	CMU2-Temp3 open circuit
故障发生的可能原因	CMU2-Temp3 开路
Possible Cause	CMU2-Temp3 open
检查项目	CMU2-Temp3 采样线
Check Items	CMU2-Temp3 sampling line
可能的影响	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw
Possible Symptom	The power is directly reduced to 0kw under charging conditions, and the power is reduced to 0kw within 90s under discharge conditions
故障诊断码的判断条件	单体温度采样电路开路，持续 300ms
Failure criteria	The single temperature sampling circuit is open for 300ms
故障治愈条件	单体温度采样正常
Healing condition	The monomer temperature sampling is normal
系统反应（降扭或降速等）	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw

故障码 DTC	P1D5A
故障码描述	CMU2-Temp4 开路
DTC Description	CMU2-Temp4 open circuit
故障发生的可能原因	CMU2-Temp4 开路
Possible Cause	CMU2-Temp4 open
检查项目	CMU2-Temp4 采样线
Check Items	CMU2-Temp4 sampling line
可能的影响	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw
Possible Symptom	The power is directly reduced to 0kw under charging conditions, and the power is reduced to 0kw within 90s under discharge conditions
故障诊断码的判断条件	单体温度采样电路开路，持续 300ms
Failure criteria	The single temperature sampling circuit is open for 300ms
故障治愈条件	单体温度采样正常
Healing condition	The monomer temperature sampling is normal
系统反应（降扭或降速等）	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw

故障码 DTC	P1D5E
故障码描述	CMU2-Temp5 开路
DTC Description	CMU2-Temp5 open circuit
故障发生的可能原因	CMU2-Temp5 开路
Possible Cause	CMU2-Temp5 open
检查项目	CMU2-Temp5 采样线
Check Items	CMU2-Temp5 sampling line
可能的影响	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw
Possible Symptom	The power is directly reduced to 0kw under charging conditions, and the power is reduced to 0kw within 90s under discharge conditions
故障诊断码的判断条件	单体温度采样电路开路，持续 300ms
Failure criteria	The single temperature sampling circuit is open for 300ms
故障治愈条件	单体温度采样正常
Healing condition	The monomer temperature sampling is normal
系统反应（降扭或降速等）	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw

故障码 DTC	P1D62
故障码描述	CMU3-Temp1 开路
DTC Description	CMU3-Temp1 open circuit
故障发生的可能原因	CMU3-Temp1 开路
Possible Cause	CMU3-Temp1 open
检查项目	CMU3-Temp1 采样线
Check Items	CMU3-Temp1 sampling line
可能的影响	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw
Possible Symptom	The power is directly reduced to 0kw under charging conditions, and the power is reduced to 0kw within 90s under discharge conditions
故障诊断码的判断条件	单体温度采样电路对地短路，持续 3s
Failure criteria	The single temperature sampling circuit is short-circuited to ground, lasting 3s
故障治愈条件	单体温度采样正常
Healing condition	The monomer temperature sampling is normal
系统反应（降扭或降速等）	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw

故障码 DTC	P1D66
故障码描述	CMU3-Temp2 开路
DTC Description	CMU3-Temp2 open circuit
故障发生的可能原因	CMU3-Temp2 开路
Possible Cause	CMU3-Temp2 open
检查项目	CMU3-Temp2 采样线
Check Items	CMU3-Temp2 sampling line
可能的影响	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw
Possible Symptom	The power is directly reduced to 0kw under charging conditions, and the power is reduced to 0kw within 90s under discharge conditions
故障诊断码的判断条件	单体温度采样电路对地短路，持续 3s
Failure criteria	The single temperature sampling circuit is short-circuited to ground, lasting 3s
故障治愈条件	单体温度采样正常
Healing condition	The monomer temperature sampling is normal
系统反应（降扭或降速等）	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw

故障码 DTC	P1D6A
故障码描述	CMU3-Temp3 开路
DTC Description	CMU3-Temp3 open circuit
故障发生的可能原因	CMU3-Temp3 开路
Possible Cause	CMU3-Temp3 open
检查项目	CMU3-Temp3 采样线
Check Items	CMU3-Temp3 sampling line
可能的影响	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw
Possible Symptom	The power is directly reduced to 0kw under charging conditions, and the power is reduced to 0kw within 90s under discharge conditions
故障诊断码的判断条件	单体温度采样电路对地短路，持续 3s
Failure criteria	The single temperature sampling circuit is short-circuited to ground, lasting 3s
故障治愈条件	单体温度采样正常
Healing condition	The monomer temperature sampling is normal
系统反应（降扭或降速等）	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw

故障码 DTC	P1D6E
故障码描述	CMU3-Temp4 开路
DTC Description	CMU3-Temp4 open circuit
故障发生的可能原因	CMU3-Temp4 开路
Possible Cause	CMU3-Temp4 open
检查项目	CMU3-Temp4 采样线
Check Items	CMU3-Temp4 sampling line
可能的影响	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw
Possible Symptom	The power is directly reduced to 0kw under charging conditions, and the power is reduced to 0kw within 90s under discharge conditions
故障诊断码的判断条件	单体温度采样电路对地短路，持续 3s
Failure criteria	The single temperature sampling circuit is short-circuited to ground, lasting 3s
故障治愈条件	单体温度采样正常
Healing condition	The monomer temperature sampling is normal
系统反应（降扭或降速等）	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw

故障码 DTC	P1D72
故障码描述	CMU3-Temp5 开路
DTC Description	CMU3-Temp5 open circuit
故障发生的可能原因	CMU3-Temp5 开路
Possible Cause	CMU3-Temp5 open
检查项目	CMU3-Temp5 采样线
Check Items	CMU3-Temp5 sampling line
可能的影响	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw
Possible Symptom	The power is directly reduced to 0kw under charging conditions, and the power is reduced to 0kw within 90s under discharge conditions
故障诊断码的判断条件	单体温度采样电路对地短路，持续 3s
Failure criteria	The single temperature sampling circuit is short-circuited to ground, lasting 3s
故障治愈条件	单体温度采样正常
Healing condition	The monomer temperature sampling is normal
系统反应（降扭或降速等）	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw

故障码 DTC	P1D76
故障码描述	CMU4-Temp1 开路
DTC Description	CMU4-Temp1 open circuit
故障发生的可能原因	CMU4-Temp1 开路
Possible Cause	CMU4-Temp1 open
检查项目	CMU4-Temp1 采样线
Check Items	CMU4-Temp1 sampling line
可能的影响	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw
Possible Symptom	The power is directly reduced to 0kw under charging conditions, and the power is reduced to 0kw within 90s under discharge conditions
故障诊断码的判断条件	单体温度采样电路对地短路，持续 3s
Failure criteria	The single temperature sampling circuit is short-circuited to ground, lasting 3s
故障治愈条件	单体温度采样正常
Healing condition	The monomer temperature sampling is normal
系统反应（降扭或降速等）	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw

故障码 DTC	P1D7A
故障码描述	CMU4-Temp2 开路
DTC Description	CMU4-Temp2 open circuit
故障发生的可能原因	CMU4-Temp2 开路
Possible Cause	CMU4-Temp2 open
检查项目	CMU4-Temp2 采样线
Check Items	CMU4-Temp2 sampling line
可能的影响	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw
Possible Symptom	The power is directly reduced to 0kw under charging conditions, and the power is reduced to 0kw within 90s under discharge conditions
故障诊断码的判断条件	单体温度采样电路对地短路，持续 3s
Failure criteria	The single temperature sampling circuit is short-circuited to ground, lasting 3s
故障治愈条件	单体温度采样正常
Healing condition	The monomer temperature sampling is normal
系统反应（降扭或降速等）	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw

故障码 DTC	P0AFA
故障码描述	Pack 电压低 Warning 故障
DTC Description	Pack voltage low Warning failure
故障发生的可能原因	Pack 电压低
Possible Cause	Pack voltage is low
检查项目	量电池包 pack 电压
Check Items	Measure battery pack pack voltage
可能的影响	充电工况下 BMS 正常运行放电工况下功率限一半
Possible Symptom	The power limit of the BMS in normal operation under charging conditions is half under discharge conditions
故障诊断码的判断条件	pack volt ＜ 230V，持续 1s 后发出故障
Failure criteria	pack volt ＜ 230V, failure after 1s
故障治愈条件	电压恢复至标准水平
Healing condition	The voltage returns to the standard level
系统反应（降扭或降速等）	充电工况下 BMS 正常运行，放电工况下功率限一半

故障码 DTC	P1D7E
故障码描述	CMU4-Temp3 开路
DTC Description	CMU4-Temp3 open circuit
故障发生的可能原因	CMU4-Temp3 开路
Possible Cause	CMU4-Temp3 open
检查项目	CMU4-Temp3 采样线
Check Items	CMU4-Temp3 sampling line
可能的影响	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw
Possible Symptom	The power is directly reduced to 0kw under charging conditions, and the power is reduced to 0kw within 90s under discharge conditions
故障诊断码的判断条件	单体温度采样电路对地短路，持续 3s
Failure criteria	The single temperature sampling circuit is short-circuited to ground, lasting 3s
故障治愈条件	单体温度采样正常
Healing condition	The monomer temperature sampling is normal
系统反应（降扭或降速等）	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw

故障码 DTC	P1D82
故障码描述	CMU4-Temp4 开路
DTC Description	CMU4-Temp4 open circuit
故障发生的可能原因	CMU4-Temp4 开路
Possible Cause	CMU4-Temp4 open
检查项目	CMU4-Temp4 采样线
Check Items	CMU4-Temp4 sampling line
可能的影响	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw
Possible Symptom	The power is directly reduced to 0kw under charging conditions, and the power is reduced to 0kw within 90s under discharge conditions
故障诊断码的判断条件	单体温度采样电路对地短路，持续 3s
Failure criteria	The single temperature sampling circuit is short-circuited to ground, lasting 3s
故障治愈条件	单体温度采样正常
Healing condition	The monomer temperature sampling is normal
系统反应（降扭或降速等）	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw

故障码 DTC	P1D86
故障码描述	CMU4-Temp5 开路
DTC Description	CMU4-Temp5 open circuit
故障发生的可能原因	CMU4-Temp5 开路
Possible Cause	CMU4-Temp5 open
检查项目	CMU4-Temp5 采样线
Check Items	CMU4-Temp5 sampling line
可能的影响	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw
Possible Symptom	The power is directly reduced to 0kw under charging conditions, and the power is reduced to 0kw within 90s under discharge conditions
故障诊断码的判断条件	单体温度采样电路对地短路，持续 3s
Failure criteria	The single temperature sampling circuit is short-circuited to ground, lasting 3s
故障治愈条件	单体温度采样正常
Healing condition	The monomer temperature sampling is normal
系统反应（降扭或降速等）	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw

故障码 DTC	P1D8A
故障码描述	CMU5-Temp1 开路
DTC Description	CMU5-Temp1 open circuit
故障发生的可能原因	CMU5-Temp1 开路
Possible Cause	CMU5-Temp1 open
检查项目	CMU5-Temp1 采样线
Check Items	CMU5-Temp1 sampling line
可能的影响	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw
Possible Symptom	The power is directly reduced to 0kw under charging conditions, and the power is reduced to 0kw within 90s under discharge conditions
故障诊断码的判断条件	单体温度采样电路对地短路，持续 3s
Failure criteria	The single temperature sampling circuit is short-circuited to ground, lasting 3s
故障治愈条件	单体温度采样正常
Healing condition	The monomer temperature sampling is normal
系统反应（降扭或降速等）	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw

故障码 DTC	P1D8E
故障码描述	CMU5-Temp2 开路
DTC Description	CMU5-Temp2 open circuit
故障发生的可能原因	CMU5-Temp2 开路
Possible Cause	CMU5-Temp2 open
检查项目	CMU5-Temp2 采样线
Check Items	CMU5-Temp2 sampling line
可能的影响	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw
Possible Symptom	The power is directly reduced to 0kw under charging conditions, and the power is reduced to 0kw within 90s under discharge conditions
故障诊断码的判断条件	单体温度采样电路对地短路，持续 3s
Failure criteria	The single temperature sampling circuit is short-circuited to ground, lasting 3s
故障治愈条件	单体温度采样正常
Healing condition	The monomer temperature sampling is normal
系统反应（降扭或降速等）	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw

故障码 DTC	P1D92
故障码描述	CMU5-Temp3 开路
DTC Description	CMU5-Temp3 open circuit
故障发生的可能原因	CMU5-Temp3 开路
Possible Cause	CMU5-Temp3 open
检查项目	CMU5-Temp3 采样线
Check Items	CMU5-Temp3 sampling line
可能的影响	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw
Possible Symptom	The power is directly reduced to 0kw under charging conditions, and the power is reduced to 0kw within 90s under discharge conditions
故障诊断码的判断条件	单体温度采样电路对地短路，持续 3s
Failure criteria	The single temperature sampling circuit is short-circuited to ground, lasting 3s
故障治愈条件	单体温度采样正常
Healing condition	The monomer temperature sampling is normal
系统反应（降扭或降速等）	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw

故障码 DTC	P1D96
故障码描述	CMU5-Temp4 开路
DTC Description	CMU5-Temp4 open circuit
故障发生的可能原因	CMU5-Temp4 开路
Possible Cause	CMU5-Temp4 open
检查项目	CMU5-Temp4 采样线
Check Items	CMU5-Temp4 sampling line
可能的影响	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw
Possible Symptom	The power is directly reduced to 0kw under charging conditions, and the power is reduced to 0kw within 90s under discharge conditions
故障诊断码的判断条件	单体温度采样电路对地短路，持续 3s
Failure criteria	The single temperature sampling circuit is short-circuited to ground, lasting 3s
故障治愈条件	单体温度采样正常
Healing condition	The monomer temperature sampling is normal
系统反应（降扭或降速等）	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw

故障码 DTC	P1D9A
故障码描述	CMU5-Temp5 开路
DTC Description	CMU5-Temp5 open circuit
故障发生的可能原因	CMU5-Temp5 开路
Possible Cause	CMU5-Temp5 open
检查项目	CMU5-Temp5 采样线
Check Items	CMU5-Temp5 sampling line
可能的影响	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw
Possible Symptom	The power is directly reduced to 0kw under charging conditions, and the power is reduced to 0kw within 90s under discharge conditions
故障诊断码的判断条件	单体温度采样电路对地短路，持续 3s
Failure criteria	The single temperature sampling circuit is short-circuited to ground, lasting 3s
故障治愈条件	单体温度采样正常
Healing condition	The monomer temperature sampling is normal
系统反应（降扭或降速等）	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw

故障码 DTC	P1D9E
故障码描述	CMU6-Temp1 开路
DTC Description	CMU6-Temp1 open circuit
故障发生的可能原因	CMU6-Temp1 开路
Possible Cause	CMU6-Temp1 open
检查项目	CMU6-Temp1 采样线
Check Items	CMU6-Temp1 sampling line
可能的影响	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw
Possible Symptom	The power is directly reduced to 0kw under charging conditions, and the power is reduced to 0kw within 90s under discharge conditions
故障诊断码的判断条件	单体温度采样电路对地短路，持续 3s
Failure criteria	The single temperature sampling circuit is short-circuited to ground, lasting 3s
故障治愈条件	单体温度采样正常
Healing condition	The monomer temperature sampling is normal
系统反应（降扭或降速等）	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw

故障码 DTC	P1DA2
故障码描述	CMU6-Temp2 开路
DTC Description	CMU6-Temp2 open circuit
故障发生的可能原因	CMU6-Temp2 开路
Possible Cause	CMU6-Temp2 open
检查项目	CMU6-Temp2 采样线
Check Items	CMU6-Temp2 sampling line
可能的影响	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw
Possible Symptom	The power is directly reduced to 0kw under charging conditions, and the power is reduced to 0kw within 90s under discharge conditions
故障诊断码的判断条件	单体温度采样电路对地短路，持续 3s
Failure criteria	The single temperature sampling circuit is short-circuited to ground, lasting 3s
故障治愈条件	单体温度采样正常
Healing condition	The monomer temperature sampling is normal
系统反应（降扭或降速等）	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw

故障码 DTC	P0AFA
故障码描述	Pack 电压低 Alarm 故障
DTC Description	Pack voltage low Alarm failure
故障发生的可能原因	Pack 电压低
Possible Cause	Pack voltage is low
检查项目	量电池包 pack 电压
Check Items	Measure battery pack pack voltage
可能的影响	充电工况下 BMS 正常运行，放电工况下 90s 内功率降为 0kw
Possible Symptom	The BMS operates normally under charging conditions, and the power drops to 0kw within 90s under discharge conditions
故障诊断码的判断条件	pack volt ＜ 235V，持续 1s 后发出故障
Failure criteria	pack volt ＜ 235V, failure after 1s
故障治愈条件	电压恢复至标准水平
Healing condition	The voltage returns to the standard level
系统反应（降扭或降速等）	充电工况下 BMS 正常运行，放电工况下 90s 内功率降为 0kw

故障码 DTC	P1DA6
故障码描述	CMU6-Temp3 开路
DTC Description	CMU6-Temp3 open circuit
故障发生的可能原因	CMU6-Temp3 开路
Possible Cause	CMU6-Temp3 open
检查项目	CMU6-Temp3 采样线
Check Items	CMU6-Temp3 sampling line
可能的影响	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw
Possible Symptom	The power is directly reduced to 0kw under charging conditions, and the power is reduced to 0kw within 90s under discharge conditions
故障诊断码的判断条件	单体温度采样电路对地短路，持续 3s
Failure criteria	The single temperature sampling circuit is short-circuited to ground, lasting 3s
故障治愈条件	单体温度采样正常
Healing condition	The monomer temperature sampling is normal
系统反应（降扭或降速等）	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw

故障码 DTC	P1DAA
故障码描述	CMU6-Temp4 开路
DTC Description	CMU6-Temp4 open circuit
故障发生的可能原因	CMU6-Temp4 开路
Possible Cause	CMU6-Temp4 open
检查项目	CMU6-Temp4 采样线
Check Items	CMU6-Temp4 sampling line
可能的影响	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw
Possible Symptom	The power is directly reduced to 0kw under charging conditions, and the power is reduced to 0kw within 90s under discharge conditions
故障诊断码的判断条件	单体温度采样电路对地短路，持续 3s
Failure criteria	The single temperature sampling circuit is short-circuited to ground, lasting 3s
故障治愈条件	单体温度采样正常
Healing condition	The monomer temperature sampling is normal
系统反应（降扭或降速等）	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw

故障码 DTC	P1DAE
故障码描述	CMU6-Temp5 开路
DTC Description	CMU6-Temp5 open circuit
故障发生的可能原因	CMU6-Temp5 开路
Possible Cause	CMU6-Temp5 open
检查项目	CMU6-Temp5 采样线
Check Items	CMU6-Temp5 sampling line
可能的影响	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw
Possible Symptom	The power is directly reduced to 0kw under charging conditions, and the power is reduced to 0kw within 90s under discharge conditions
故障诊断码的判断条件	单体温度采样电路对地短路，持续 3s
Failure criteria	The single temperature sampling circuit is short-circuited to ground, lasting 3s
故障治愈条件	单体温度采样正常
Healing condition	The monomer temperature sampling is normal
系统反应（降扭或降速等）	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw

故障码 DTC	P1DB2
故障码描述	CMU7-Temp1 开路
DTC Description	CMU7-Temp1 open circuit
故障发生的可能原因	CMU7-Temp1 开路
Possible Cause	CMU7-Temp1 open
检查项目	CMU7-Temp1 开路
Check Items	CMU7-Temp1 open
可能的影响	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw
Possible Symptom	The power is directly reduced to 0kw under charging conditions, and the power is reduced to 0kw within 90s under discharge conditions
故障诊断码的判断条件	单体温度采样电路对地短路，持续 3s
Failure criteria	The single temperature sampling circuit is short-circuited to ground, lasting 3s
故障治愈条件	单体温度采样正常
Healing condition	The monomer temperature sampling is normal
系统反应（降扭或降速等）	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw

故障码 DTC	P1DB6
故障码描述	CMU7-Temp2 开路
DTC Description	CMU7-Temp2 open circuit
故障发生的可能原因	CMU7-Temp2 开路
Possible Cause	CMU7-Temp2 open
检查项目	CMU7-Temp2 开路
Check Items	CMU7-Temp2 open
可能的影响	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw
Possible Symptom	The power is directly reduced to 0kw under charging conditions, and the power is reduced to 0kw within 90s under discharge conditions
故障诊断码的判断条件	单体温度采样电路对地短路，持续 3s
Failure criteria	The single temperature sampling circuit is short-circuited to ground, lasting 3s
故障治愈条件	单体温度采样正常
Healing condition	The monomer temperature sampling is normal
系统反应（降扭或降速等）	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw

故障码 DTC	P1DBA
故障码描述	CMU7-Temp3 开路
DTC Description	CMU7-Temp3 open circuit
故障发生的可能原因	CMU7-Temp3 开路
Possible Cause	CMU7-Temp3 open
检查项目	CMU7-Temp3 开路
Check Items	CMU7-Temp3 open
可能的影响	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw
Possible Symptom	The power is directly reduced to 0kw under charging conditions, and the power is reduced to 0kw within 90s under discharge conditions
故障诊断码的判断条件	单体温度采样电路对地短路，持续 3s
Failure criteria	The single temperature sampling circuit is short-circuited to ground, lasting 3s
故障治愈条件	单体温度采样正常
Healing condition	The monomer temperature sampling is normal
系统反应（降扭或降速等）	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw

故障码 **DTC**	P1DBE
故障码描述	CMU7-Temp4 开路
DTC Description	CMU7-Temp4 open circuit
故障发生的可能原因	CMU7-Temp4 开路
Possible Cause	CMU7-Temp4 open
检查项目	CMU7-Temp4 开路
Check Items	CMU7-Temp4 open
可能的影响	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw
Possible Symptom	The power is directly reduced to 0kw under charging conditions, and the power is reduced to 0kw within 90s under discharge conditions
故障诊断码的判断条件	单体温度采样电路对地短路，持续 3s
Failure criteria	The single temperature sampling circuit is short-circuited to ground, lasting 3s
故障治愈条件	单体温度采样正常
Healing condition	The monomer temperature sampling is normal
系统反应（降扭或降速等）	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw

故障码 **DTC**	P1DC2
故障码描述	CMU7-Temp5 开路
DTC Description	CMU7-Temp5 open circuit
故障发生的可能原因	CMU7-Temp5 开路
Possible Cause	CMU7-Temp5 open
检查项目	CMU7-Temp5 开路
Check Items	CMU7-Temp5 open
可能的影响	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw
Possible Symptom	The power is directly reduced to 0kw under charging conditions, and the power is reduced to 0kw within 90s under discharge conditions
故障诊断码的判断条件	单体温度采样电路对地短路，持续 3s
Failure criteria	The single temperature sampling circuit is short-circuited to ground, lasting 3s
故障治愈条件	单体温度采样正常
Healing condition	The monomer temperature sampling is normal
系统反应（降扭或降速等）	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw

故障码 DTC	P1DC6
故障码描述	CMU8-Temp1 开路
DTC Description	CMU8-Temp1 open circuit
故障发生的可能原因	CMU8-Temp1 开路
Possible Cause	CMU8-Temp1 open
检查项目	CMU8-Temp1 开路
Check Items	CMU8-Temp1 open
可能的影响	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw
Possible Symptom	The power is directly reduced to 0kw under charging conditions, and the power is reduced to 0kw within 90s under discharge conditions
故障诊断码的判断条件	单体温度采样电路对地短路，持续 3s
Failure criteria	The single temperature sampling circuit is short-circuited to ground, lasting 3s
故障治愈条件	单体温度采样正常
Healing condition	The monomer temperature sampling is normal
系统反应（降扭或降速等）	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw

故障码 DTC	P1DCA
故障码描述	CMU8-Temp2 开路
DTC Description	CMU8-Temp2 open circuit
故障发生的可能原因	CMU8-Temp2 开路
Possible Cause	CMU8-Temp2 open
检查项目	CMU8-Temp2 开路
Check Items	CMU8-Temp2 open
可能的影响	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw
Possible Symptom	The power is directly reduced to 0kw under charging conditions, and the power is reduced to 0kw within 90s under discharge conditions
故障诊断码的判断条件	单体温度采样电路对地短路，持续 3s
Failure criteria	The single temperature sampling circuit is short-circuited to ground, lasting 3s
故障治愈条件	单体温度采样正常
Healing condition	The monomer temperature sampling is normal
系统反应（降扭或降速等）	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw

故障码 DTC	P1B36
故障码描述	加热膜电压合理性故障
DTC Description	Heating film voltage rationality failure
故障发生的可能原因	加热膜电压故障
Possible Cause	Heating film voltage failure
可能的影响	BMS 正常运行
Possible Symptom	BMS is operating normally
故障诊断码的判断条件	与电压累加和差值大于 20V，持续 200ms 后发出故障
Failure criteria	The sum of the difference with the voltage is greater than 20V, and the fault will be issued after 200ms
故障治愈条件	与电压累加和差值小于 20V
Healing condition	The cumulative sum difference with the voltage is less than 20V
系统反应（降扭或降速等）	BMS 正常运行

故障码 DTC	P1DCE
故障码描述	CMU8-Temp3 开路
DTC Description	CMU8-Temp3 open circuit
故障发生的可能原因	CMU8-Temp3 开路
Possible Cause	CMU8-Temp3 open
检查项目	CMU8-Temp3 开路
Check Items	CMU8-Temp3 open
可能的影响	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw
Possible Symptom	The power is directly reduced to 0kw under charging conditions, and the power is reduced to 0kw within 90s under discharge conditions
故障诊断码的判断条件	单体温度采样电路对地短路，持续 3s
Failure criteria	The single temperature sampling circuit is short-circuited to ground, lasting 3s
故障治愈条件	单体温度采样正常
Healing condition	The monomer temperature sampling is normal
系统反应（降扭或降速等）	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw

故障码 DTC	P1DD2
故障码描述	CMU8-Temp4 开路
DTC Description	CMU8-Temp4 open circuit
故障发生的可能原因	CMU8-Temp4 开路
Possible Cause	CMU8-Temp4 open
检查项目	CMU8-Temp4 开路
Check Items	CMU8-Temp4 open
可能的影响	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw
Possible Symptom	The power is directly reduced to 0kw under charging conditions, and the power is reduced to 0kw within 90s under discharge conditions
故障诊断码的判断条件	单体温度采样电路对地短路，持续 3s
Failure criteria	The single temperature sampling circuit is short-circuited to ground, lasting 3s
故障治愈条件	单体温度采样正常
Healing condition	The monomer temperature sampling is normal
系统反应（降扭或降速等）	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw

故障码 DTC	P1DD6
故障码描述	CMU8-Temp5 开路
DTC Description	CMU8-Temp5 open circuit
故障发生的可能原因	CMU8-Temp5 开路
Possible Cause	CMU8-Temp5 open
检查项目	CMU8-Temp5 开路
Check Items	CMU8-Temp5 open
可能的影响	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw
Possible Symptom	The power is directly reduced to 0kw under charging conditions, and the power is reduced to 0kw within 90s under discharge conditions
故障诊断码的判断条件	单体温度采样电路对地短路，持续 3s
Failure criteria	The single temperature sampling circuit is short-circuited to ground, lasting 3s
故障治愈条件	单体温度采样正常
Healing condition	The monomer temperature sampling is normal
系统反应（降扭或降速等）	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw

故障码 DTC	P0AAE
故障码描述	CMU1-Temp1 对地短路
DTC Description	CMU1-Temp1 shorted to ground
故障发生的可能原因	CMU1-Temp1 对地短路
Possible Cause	CMU1-Temp1 is shorted to ground
检查项目	CMU1-Temp1 采样线
Check Items	CMU1-Temp1 sampling line
可能的影响	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw
Possible Symptom	The power is directly reduced to 0kw under charging conditions, and the power is reduced to 0kw within 90s under discharge conditions
故障诊断码的判断条件	单体温度采样电路对地短路，持续 3s
Failure criteria	The single temperature sampling circuit is short-circuited to ground, lasting 3s
故障治愈条件	单体温度采样电路正常
Healing condition	The monomer temperature sampling circuit is normal
系统反应（降扭或降速等）	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw

故障码 DTC	P0AC7
故障码描述	CMU1-Temp2 对地短路
DTC Description	CMU1-Temp2 shorted to ground
故障发生的可能原因	CMU1-Temp2 对地短路
Possible Cause	CMU1-Temp2 is shorted to ground
检查项目	CMU1-Temp2 采样线
Check Items	CMU1-Temp2 sampling line
可能的影响	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw
Possible Symptom	The power is directly reduced to 0kw under charging conditions, and the power is reduced to 0kw within 90s under discharge conditions
故障诊断码的判断条件	单体温度采样电路对地短路，持续 3s
Failure criteria	The single temperature sampling circuit is short-circuited to ground, lasting 3s
故障治愈条件	单体温度采样电路正常
Healing condition	The monomer temperature sampling circuit is normal
系统反应（降扭或降速等）	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw

故障码 DTC	P0ACC
故障码描述	CMU1-Temp3 对地短路
DTC Description	CMU1-Temp3 shorted to ground
故障发生的可能原因	CMU1-Temp3 对地短路
Possible Cause	CMU1-Temp3 is shorted to ground
检查项目	CMU1-Temp3 采样线
Check Items	CMU1-Temp3 sampling line
可能的影响	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw
Possible Symptom	The power is directly reduced to 0kw under charging conditions, and the power is reduced to 0kw within 90s under discharge conditions
故障诊断码的判断条件	单体温度采样电路对地短路，持续 3s
Failure criteria	The single temperature sampling circuit is short-circuited to ground, lasting 3s
故障治愈条件	单体温度采样电路正常
Healing condition	The monomer temperature sampling circuit is normal
系统反应（降扭或降速等）	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw

故障码 DTC	P0AEA
故障码描述	CMU1-Temp4 对地短路
DTC Description	CMU1-Temp4 shorted to ground
故障发生的可能原因	CMU1-Temp4 对地短路
Possible Cause	CMU1-Temp4 is shorted to ground
检查项目	CMU1-Temp4 采样线
Check Items	CMU1-Temp4 sampling line
可能的影响	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw
Possible Symptom	The power is directly reduced to 0kw under charging conditions, and the power is reduced to 0kw within 90s under discharge conditions
故障诊断码的判断条件	单体温度采样电路对地短路，持续 3s
Failure criteria	The single temperature sampling circuit is short-circuited to ground, lasting 3s
故障治愈条件	单体温度采样电路正常
Healing condition	The monomer temperature sampling circuit is normal
系统反应（降扭或降速等）	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw

故障码 DTC	P1D4C
故障码描述	CMU1-Temp5 对地短路
DTC Description	CMU1-Temp5 shorted to ground
故障发生的可能原因	CMU1-Temp5 对地短路
Possible Cause	CMU1-Temp5 is shorted to ground
检查项目	CMU1-Temp5 采样线
Check Items	CMU1-Temp5 sampling line
可能的影响	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw
Possible Symptom	The power is directly reduced to 0kw under charging conditions, and the power is reduced to 0kw within 90s under discharge conditions
故障诊断码的判断条件	单体温度采样电路对地短路，持续 3s
Failure criteria	The single temperature sampling circuit is short-circuited to ground, lasting 3s
故障治愈条件	单体温度采样电路正常
Healing condition	The monomer temperature sampling circuit is normal
系统反应（降扭或降速等）	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw

故障码 DTC	P1D50
故障码描述	CMU2-Temp1 对地短路
DTC Description	CMU2-Temp1 shorted to ground
故障发生的可能原因	CMU2-Temp1 对地短路
Possible Cause	CMU2-Temp1 is shorted to ground
检查项目	CMU2-Temp1 采样线
Check Items	CMU2-Temp1 sampling line
可能的影响	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw
Possible Symptom	The power is directly reduced to 0kw under charging conditions, and the power is reduced to 0kw within 90s under discharge conditions
故障诊断码的判断条件	单体温度采样电路对地短路，持续 3s
Failure criteria	The single temperature sampling circuit is short-circuited to ground, lasting 3s
故障治愈条件	单体温度采样正常
Healing condition	The monomer temperature sampling is normal
系统反应（降扭或降速等）	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw

故障码 DTC	P1D54
故障码描述	CMU2-Temp2 对地短路
DTC Description	CMU2-Temp2 shorted to ground
故障发生的可能原因	CMU2-Temp2 对地短路
Possible Cause	CMU2-Temp2 is shorted to ground
检查项目	CMU2-Temp2 采样线
Check Items	CMU2-Temp2 sampling line
可能的影响	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw
Possible Symptom	The power is directly reduced to 0kw under charging conditions, and the power is reduced to 0kw within 90s under discharge conditions
故障诊断码的判断条件	单体温度采样电路对地短路，持续 3s
Failure criteria	The single temperature sampling circuit is short-circuited to ground, lasting 3s
故障治愈条件	单体温度采样正常
Healing condition	The monomer temperature sampling is normal
系统反应（降扭或降速等）	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw

故障码 DTC	P0641
故障码描述	PACK 电流传感器供电故障
DTC Description	PACK current sensor power failure
故障发生的可能原因	电流传感器
Possible Cause	current sensor
检查项目	电流传感器
Check Items	current sensor
可能的影响	充电工况下 90s 内功率降为 0kw，放电工况下功率限到 10kw
Possible Symptom	The power is reduced to 0kw in 90s under charging conditions, and the power is limited to 10kw under discharge conditions
故障诊断码的判断条件	供电电压小于 4V，持续 150ms 后发出故障
Failure criteria	The supply voltage is less than 4V, and the fault will be issued after 150ms
故障治愈条件	供电电压大于 4V
Healing condition	The supply voltage is greater than 4V
系统反应（降扭或降速等）	充电工况下 90s 内功率降为 0kw，放电工况下功率限到 10kw

故障码 DTC	P1D58
故障码描述	CMU2-Temp3 对地短路
DTC Description	CMU2-Temp3 shorted to ground
故障发生的可能原因	CMU2-Temp3 对地短路
Possible Cause	CMU2-Temp3 is shorted to ground
检查项目	CMU2-Temp3 采样线
Check Items	CMU2-Temp3 sampling line
可能的影响	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw
Possible Symptom	The power is directly reduced to 0kw under charging conditions, and the power is reduced to 0kw within 90s under discharge conditions
故障诊断码的判断条件	单体温度采样电路对地短路，持续 3s
Failure criteria	The single temperature sampling circuit is short-circuited to ground, lasting 3s
故障治愈条件	单体温度采样正常
Healing condition	The monomer temperature sampling is normal
系统反应（降扭或降速等）	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw

故障码 DTC	P1D5C
故障码描述	CMU2-Temp4 对地短路
DTC Description	CMU2-Temp4 shorted to ground
故障发生的可能原因	CMU2-Temp4 对地短路
Possible Cause	CMU2-Temp4 is shorted to ground
检查项目	CMU2-Temp4 采样线
Check Items	CMU2-Temp4 sampling line
可能的影响	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw
Possible Symptom	The power is directly reduced to 0kw under charging conditions, and the power is reduced to 0kw within 90s under discharge conditions
故障诊断码的判断条件	单体温度采样电路对地短路，持续 3s
Failure criteria	The single temperature sampling circuit is short-circuited to ground, lasting 3s
故障治愈条件	单体温度采样正常
Healing condition	The monomer temperature sampling is normal
系统反应（降扭或降速等）	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw

故障码 DTC	P1D60
故障码描述	CMU2-Temp5 对地短路
DTC Description	CMU2-Temp5 short circuit to ground
故障发生的可能原因	CMU2-Temp5 对地短路
Possible Cause	CMU2-Temp5 is shorted to ground
检查项目	CMU2-Temp5 采样线
Check Items	CMU2-Temp5 sampling line
可能的影响	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw
Possible Symptom	The power is directly reduced to 0kw under charging conditions, and the power is reduced to 0kw within 90s under discharge conditions
故障诊断码的判断条件	单体温度采样电路对地短路，持续 3s
Failure criteria	The single temperature sampling circuit is short-circuited to ground, lasting 3s
故障治愈条件	单体温度采样正常
Healing condition	The monomer temperature sampling is normal
系统反应（降扭或降速等）	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw

故障码 DTC	P1D64
故障码描述	CMU3-Temp1 对地短路
DTC Description	CMU3-Temp1 shorted to ground
故障发生的可能原因	CMU3-Temp1 对地短路
Possible Cause	CMU3-Temp1 is shorted to ground
检查项目	CMU3-Temp1 采样线
Check Items	CMU3-Temp1 sampling line
可能的影响	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw
Possible Symptom	The power is directly reduced to 0kw under charging conditions, and the power is reduced to 0kw within 90s under discharge conditions
故障诊断码的判断条件	单体温度采样电路对地短路，持续 3s
Failure criteria	The single temperature sampling circuit is short-circuited to ground, lasting 3s
故障治愈条件	单体温度采样正常
Healing condition	The monomer temperature sampling is normal
系统反应（降扭或降速等）	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw

故障码 DTC	P1D68
故障码描述	CMU3-Temp2 对地短路
DTC Description	CMU3-Temp2 shorted to ground
故障发生的可能原因	CMU3-Temp2 对地短路
Possible Cause	CMU3-Temp2 is shorted to ground
检查项目	CMU3-Temp2 采样线
Check Items	CMU3-Temp2 sampling line
可能的影响	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw
Possible Symptom	The power is directly reduced to 0kw under charging conditions, and the power is reduced to 0kw within 90s under discharge conditions
故障诊断码的判断条件	单体温度采样电路对地短路，持续 3s
Failure criteria	The single temperature sampling circuit is short-circuited to ground, lasting 3s
故障治愈条件	单体温度采样正常
Healing condition	The monomer temperature sampling is normal
系统反应（降扭或降速等）	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw

故障码 DTC	P1D6C
故障码描述	CMU3-Temp3 对地短路
DTC Description	CMU3-Temp3 shorted to ground
故障发生的可能原因	CMU3-Temp3 对地短路
Possible Cause	CMU3-Temp3 is shorted to ground
检查项目	CMU3-Temp3 采样线
Check Items	CMU3-Temp3 sampling line
可能的影响	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw
Possible Symptom	The power is directly reduced to 0kw under charging conditions, and the power is reduced to 0kw within 90s under discharge conditions
故障诊断码的判断条件	单体温度采样电路对地短路，持续 3s
Failure criteria	The single temperature sampling circuit is short-circuited to ground, lasting 3s
故障治愈条件	单体温度采样正常
Healing condition	The monomer temperature sampling is normal
系统反应（降扭或降速等）	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw

故障码 DTC	P1D70
故障码描述	CMU3-Temp4 对地短路
DTC Description	CMU3-Temp4 shorted to ground
故障发生的可能原因	CMU3-Temp4 对地短路
Possible Cause	CMU3-Temp4 is shorted to ground
检查项目	CMU3-Temp4 采样线
Check Items	CMU3-Temp4 sampling line
可能的影响	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw
Possible Symptom	The power is directly reduced to 0kw under charging conditions, and the power is reduced to 0kw within 90s under discharge conditions
故障诊断码的判断条件	单体温度采样电路对地短路，持续 3s
Failure criteria	The single temperature sampling circuit is short-circuited to ground, lasting 3s
故障治愈条件	单体温度采样正常
Healing condition	The monomer temperature sampling is normal
系统反应（降扭或降速等）	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw

故障码 DTC	P1D74
故障码描述	CMU3-Temp5 对地短路
DTC Description	CMU3-Temp5 shorted to ground
故障发生的可能原因	CMU3-Temp5 对地短路
Possible Cause	CMU3-Temp5 is shorted to ground
检查项目	CMU3-Temp5 采样线
Check Items	CMU3-Temp5 sampling line
可能的影响	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw
Possible Symptom	The power is directly reduced to 0kw under charging conditions, and the power is reduced to 0kw within 90s under discharge conditions
故障诊断码的判断条件	单体温度采样电路对地短路，持续 3s
Failure criteria	The single temperature sampling circuit is short-circuited to ground, lasting 3s
故障治愈条件	单体温度采样正常
Healing condition	The monomer temperature sampling is normal
系统反应（降扭或降速等）	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw

故障码 **DTC**	P1D78
故障码描述	CMU4-Temp1 对地短路
DTC Description	CMU4-Temp1 shorted to ground
故障发生的可能原因	CMU4-Temp1 对地短路
Possible Cause	CMU4-Temp1 is shorted to ground
检查项目	CMU4-Temp1 对地短路
Check Items	CMU4-Temp1 is shorted to ground
可能的影响	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw
Possible Symptom	The power is directly reduced to 0kw under charging conditions, and the power is reduced to 0kw within 90s under discharge conditions
故障诊断码的判断条件	单体温度采样电路对地短路，持续 3s
Failure criteria	The single temperature sampling circuit is short-circuited to ground, lasting 3s
故障治愈条件	单体温度采样正常
Healing condition	The monomer temperature sampling is normal
系统反应（降扭或降速等）	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw

故障码 **DTC**	P1D7C
故障码描述	CMU4-Temp2 对地短路
DTC Description	CMU4-Temp2 shorted to ground
故障发生的可能原因	CMU4-Temp2 对地短路
Possible Cause	CMU4-Temp2 is shorted to ground
检查项目	CMU4-Temp2 对地短路
Check Items	CMU4-Temp2 is shorted to ground
可能的影响	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw
Possible Symptom	The power is directly reduced to 0kw under charging conditions, and the power is reduced to 0kw within 90s under discharge conditions
故障诊断码的判断条件	单体温度采样电路对地短路，持续 3s
Failure criteria	The single temperature sampling circuit is short-circuited to ground, lasting 3s
故障治愈条件	单体温度采样正常
Healing condition	The monomer temperature sampling is normal
系统反应（降扭或降速等）	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw

故障码 DTC	P0AC2
故障码描述	PACK 电流传感器对电源短路
DTC Description	PACK current sensor shorts the power supply
故障发生的可能原因	电流传感器对电源短路
Possible Cause	The current sensor is shorted to the power supply
检查项目	电流传感器
Check Items	current sensor
可能的影响	充电工况下 90s 内功率降为 0kw，放电工况下功率限到 10kw
Possible Symptom	The power is reduced to 0kw in 90s under charging conditions, and the power is limited to 10kw under discharge conditions
故障诊断码的判断条件	Pack 电流低 / 高通道采样值＞电流传感器供电电压，持续 1s 后发出故障
Failure criteria	Pack current low/high channel sampling value> current sensor supply voltage, failure will occur after 1s
故障治愈条件	Pack 电流低 / 高通道采样值 [0.1, 电流传感器供电电压]
Healing condition	Pack current low/high channel sampling value [0.1, current sensor supply voltage]
系统反应（降扭或降速等)	充电工况下 90s 内功率降为 0kw，放电工况下功率限到 10kw

故障码 DTC	P1D80
故障码描述	CMU4-Temp3 对地短路
DTC Description	CMU4-Temp3 shorted to ground
故障发生的可能原因	CMU4-Temp3 对地短路
Possible Cause	CMU4-Temp3 is shorted to ground
检查项目	CMU4-Temp3 对地短路
Check Items	CMU4-Temp3 is shorted to ground
可能的影响	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw
Possible Symptom	The power is directly reduced to 0kw under charging conditions, and the power is reduced to 0kw within 90s under discharge conditions
故障诊断码的判断条件	单体温度采样电路对地短路，持续 3s
Failure criteria	The single temperature sampling circuit is short-circuited to ground, lasting 3s
故障治愈条件	单体温度采样正常
Healing condition	The monomer temperature sampling is normal
系统反应（降扭或降速等)	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw

故障码 DTC	P1D84
故障码描述	CMU4-Temp4 对地短路
DTC Description	CMU4-Temp4 shorted to ground
故障发生的可能原因	CMU4-Temp4 对地短路
Possible Cause	CMU4-Temp4 is shorted to ground
检查项目	CMU4-Temp4 对地短路
Check Items	CMU4-Temp4 is shorted to ground
可能的影响	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw
Possible Symptom	The power is directly reduced to 0kw under charging conditions, and the power is reduced to 0kw within 90s under discharge conditions
故障诊断码的判断条件	单体温度采样电路对地短路，持续 3s
Failure criteria	The single temperature sampling circuit is short-circuited to ground, lasting 3s
故障治愈条件	单体温度采样正常
Healing condition	The monomer temperature sampling is normal
系统反应（降扭或降速等）	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw

故障码 DTC	P1D88
故障码描述	CMU4-Temp5 对地短路
DTC Description	CMU4-Temp5 shorted to ground
故障发生的可能原因	CMU4-Temp5 对地短路
Possible Cause	CMU4-Temp5 is shorted to ground
检查项目	CMU4-Temp5 对地短路
Check Items	CMU4-Temp5 is shorted to ground
可能的影响	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw
Possible Symptom	The power is directly reduced to 0kw under charging conditions, and the power is reduced to 0kw within 90s under discharge conditions
故障诊断码的判断条件	单体温度采样电路对地短路，持续 3s
Failure criteria	The single temperature sampling circuit is short-circuited to ground, lasting 3s
故障治愈条件	单体温度采样正常
Healing condition	The monomer temperature sampling is normal
系统反应（降扭或降速等）	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw

故障码 DTC	P1D8C
故障码描述	CMU5-Temp1 对地短路
DTC Description	CMU5-Temp1 shorted to ground
故障发生的可能原因	CMU5-Temp1 对地短路
Possible Cause	CMU5-Temp1 is shorted to ground
检查项目	CMU5-Temp1 对地短路
Check Items	CMU5-Temp1 is shorted to ground
可能的影响	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw
Possible Symptom	The power is directly reduced to 0kw under charging conditions, and the power is reduced to 0kw within 90s under discharge conditions
故障诊断码的判断条件	单体温度采样电路对地短路，持续 3s
Failure criteria	The single temperature sampling circuit is short-circuited to ground, lasting 3s
故障治愈条件	单体温度采样正常
Healing condition	The monomer temperature sampling is normal
系统反应（降扭或降速等）	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw

故障码 DTC	P1D90
故障码描述	CMU5-Temp2 对地短路
DTC Description	CMU5-Temp2 shorted to ground
故障发生的可能原因	CMU5-Temp2 对地短路
Possible Cause	CMU5-Temp2 is shorted to ground
检查项目	CMU5-Temp2 对地短路
Check Items	CMU5-Temp2 is shorted to ground
可能的影响	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw
Possible Symptom	The power is directly reduced to 0kw under charging conditions, and the power is reduced to 0kw within 90s under discharge conditions
故障诊断码的判断条件	单体温度采样电路对地短路，持续 3s
Failure criteria	The single temperature sampling circuit is short-circuited to ground, lasting 3s
故障治愈条件	单体温度采样正常
Healing condition	The monomer temperature sampling is normal
系统反应（降扭或降速等）	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw

故障码 DTC	P1D94
故障码描述	CMU5-Temp3 对地短路
DTC Description	CMU5-Temp3 shorted to ground
故障发生的可能原因	CMU5-Temp3 对地短路
Possible Cause	CMU5-Temp3 is shorted to ground
检查项目	CMU5-Temp3 对地短路
Check Items	CMU5-Temp3 is shorted to ground
可能的影响	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw
Possible Symptom	The power is directly reduced to 0kw under charging conditions, and the power is reduced to 0kw within 90s under discharge conditions
故障诊断码的判断条件	单体温度采样电路对地短路，持续 3s
Failure criteria	The single temperature sampling circuit is short-circuited to ground, lasting 3s
故障治愈条件	单体温度采样正常
Healing condition	The monomer temperature sampling is normal
系统反应（降扭或降速等）	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw

故障码 DTC	P1D98
故障码描述	CMU5-Temp4 对地短路
DTC Description	CMU5-Temp4 shorted to ground
故障发生的可能原因	CMU5-Temp4 对地短路
Possible Cause	CMU5-Temp4 is shorted to ground
检查项目	CMU5-Temp4 对地短路
Check Items	CMU5-Temp4 is shorted to ground
可能的影响	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw
Possible Symptom	The power is directly reduced to 0kw under charging conditions, and the power is reduced to 0kw within 90s under discharge conditions
故障诊断码的判断条件	单体温度采样电路对地短路，持续 3s
Failure criteria	The single temperature sampling circuit is short-circuited to ground, lasting 3s
故障治愈条件	单体温度采样正常
Healing condition	The monomer temperature sampling is normal
系统反应（降扭或降速等）	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw

故障码 DTC	P1D9C
故障码描述	CMU5-Temp5 对地短路
DTC Description	CMU5-Temp5 short circuit to ground
故障发生的可能原因	CMU5-Temp5 对地短路
Possible Cause	CMU5-Temp5 is shorted to ground
检查项目	CMU5-Temp5 对地短路
Check Items	CMU5-Temp5 is shorted to ground
可能的影响	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw
Possible Symptom	The power is directly reduced to 0kw under charging conditions, and the power is reduced to 0kw within 90s under discharge conditions
故障诊断码的判断条件	单体温度采样电路对地短路，持续 3s
Failure criteria	The single temperature sampling circuit is short-circuited to ground, lasting 3s
故障治愈条件	单体温度采样正常
Healing condition	The monomer temperature sampling is normal
系统反应（降扭或降速等）	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw

故障码 DTC	P1DA0
故障码描述	CMU6-Temp1 对地短路
DTC Description	CMU6-Temp1 shorted to ground
故障发生的可能原因	CMU6-Temp1 对地短路
Possible Cause	CMU6-Temp1 is shorted to ground
检查项目	CMU6-Temp1 对地短路
Check Items	CMU6-Temp1 is shorted to ground
可能的影响	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw
Possible Symptom	The power is directly reduced to 0kw under charging conditions, and the power is reduced to 0kw within 90s under discharge conditions
故障诊断码的判断条件	单体温度采样电路对地短路，持续 3s
Failure criteria	The single temperature sampling circuit is short-circuited to ground, lasting 3s
故障治愈条件	单体温度采样正常
Healing condition	The monomer temperature sampling is normal
系统反应（降扭或降速等）	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw

故障码 DTC	P1DA4
故障码描述	CMU6-Temp2 对地短路
DTC Description	CMU6-Temp2 short circuit to ground
故障发生的可能原因	CMU6-Temp2 对地短路
Possible Cause	CMU6-Temp2 is shorted to ground
检查项目	CMU6-Temp2 对地短路
Check Items	CMU6-Temp2 is shorted to ground
可能的影响	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw
Possible Symptom	The power is directly reduced to 0kw under charging conditions, and the power is reduced to 0kw within 90s under discharge conditions
故障诊断码的判断条件	单体温度采样电路对地短路，持续 3s
Failure criteria	The single temperature sampling circuit is short-circuited to ground, lasting 3s
故障治愈条件	单体温度采样正常
Healing condition	The monomer temperature sampling is normal
系统反应（降扭或降速等）	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw

故障码 DTC	P0AC1
故障码描述	PACK 电流传感器对地短路或开路
DTC Description	PACK current sensor shorted to ground or open circuit
故障发生的可能原因	电流传感器对地短路或开路
Possible Cause	The current sensor is shorted or open to ground
检查项目	电流传感器
Check Items	current sensor
可能的影响	充电工况下 90s 内功率降为 0kw，放电工况下功率限到 10kw
Possible Symptom	The power is reduced to 0kw in 90s under charging conditions, and the power is limited to 10kw under discharge conditions
故障诊断码的判断条件	Pack 电流低 / 高通道采样值＜ 0.1V，持续 1s 后发出故障
Failure criteria	Pack current low/high channel sampling value <0.1V, fault will be issued after 1s
故障治愈条件	Pack 电流低 / 高通道采样值 [0.1, 电流传感器供电电压]
Healing condition	Pack current low/high channel sampling value [0.1, current sensor supply voltage]
系统反应（降扭或降速等）	充电工况下 90s 内功率降为 0kw，放电工况下功率限到 10kw

故障码 DTC	P1DA8
故障码描述	CMU6-Temp3 对地短路
DTC Description	CMU6-Temp3 shorted to ground
故障发生的可能原因	CMU6-Temp3 对地短路
Possible Cause	CMU6-Temp3 is shorted to ground
检查项目	CMU6-Temp3 对地短路
Check Items	CMU6-Temp3 is shorted to ground
可能的影响	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw
Possible Symptom	The power is directly reduced to 0kw under charging conditions, and the power is reduced to 0kw within 90s under discharge conditions
故障诊断码的判断条件	单体温度采样电路对地短路，持续 3s
Failure criteria	The single temperature sampling circuit is short-circuited to ground, lasting 3s
故障治愈条件	单体温度采样正常
Healing condition	The monomer temperature sampling is normal
系统反应（降扭或降速等）	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw

故障码 DTC	P1DAC
故障码描述	CMU6-Temp4 对地短路
DTC Description	CMU6-Temp4 shorted to ground
故障发生的可能原因	CMU6-Temp4 对地短路
Possible Cause	CMU6-Temp4 is shorted to ground
检查项目	CMU6-Temp4 对地短路
Check Items	CMU6-Temp4 is shorted to ground
可能的影响	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw
Possible Symptom	The power is directly reduced to 0kw under charging conditions, and the power is reduced to 0kw within 90s under discharge conditions
故障诊断码的判断条件	单体温度采样电路对地短路，持续 3s
Failure criteria	The single temperature sampling circuit is short-circuited to ground, lasting 3s
故障治愈条件	单体温度采样正常
Healing condition	The monomer temperature sampling is normal
系统反应（降扭或降速等）	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw

故障码 DTC	P1DB0
故障码描述	CMU6-Temp5 对地短路
DTC Description	CMU6-Temp5 short circuit to ground
故障发生的可能原因	CMU6-Temp5 对地短路
Possible Cause	CMU6-Temp5 is shorted to ground
检查项目	CMU6-Temp5 对地短路
Check Items	CMU6-Temp5 is shorted to ground
可能的影响	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw
Possible Symptom	The power is directly reduced to 0kw under charging conditions, and the power is reduced to 0kw within 90s under discharge conditions
故障诊断码的判断条件	单体温度采样电路对地短路，持续 3s
Failure criteria	The single temperature sampling circuit is short-circuited to ground, lasting 3s
故障治愈条件	单体温度采样正常
Healing condition	The monomer temperature sampling is normal
系统反应（降扭或降速等）	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw

故障码 DTC	P1DB4
故障码描述	CMU7-Temp1 对地短路
DTC Description	CMU7-Temp1 shorted to ground
故障发生的可能原因	CMU7-Temp1 对地短路
Possible Cause	CMU7-Temp1 is shorted to ground
检查项目	CMU7-Temp1 对地短路
Check Items	CMU7-Temp1 is shorted to ground
可能的影响	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw
Possible Symptom	The power is directly reduced to 0kw under charging conditions, and the power is reduced to 0kw within 90s under discharge conditions
故障诊断码的判断条件	单体温度采样电路对地短路，持续 3s
Failure criteria	The single temperature sampling circuit is short-circuited to ground, lasting 3s
故障治愈条件	单体温度采样正常
Healing condition	The monomer temperature sampling is normal
系统反应（降扭或降速等）	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw

故障码 DTC	P1DB8
故障码描述	CMU7-Temp2 对地短路
DTC Description	CMU7-Temp2 shorted to ground
故障发生的可能原因	CMU7-Temp2 对地短路
Possible Cause	CMU7-Temp2 is shorted to ground
检查项目	CMU7-Temp2 对地短路
Check Items	CMU7-Temp2 is shorted to ground
可能的影响	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw
Possible Symptom	The power is directly reduced to 0kw under charging conditions, and the power is reduced to 0kw within 90s under discharge conditions
故障诊断码的判断条件	单体温度采样电路对地短路，持续 3s
Failure criteria	The single temperature sampling circuit is short-circuited to ground, lasting 3s
故障治愈条件	单体温度采样正常
Healing condition	The monomer temperature sampling is normal
系统反应（降扭或降速等）	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw

故障码 DTC	P1DBC
故障码描述	CMU7-Temp3 对地短路
DTC Description	CMU7-Temp3 shorted to ground
故障发生的可能原因	CMU7-Temp3 对地短路
Possible Cause	CMU7-Temp3 is shorted to ground
检查项目	CMU7-Temp3 对地短路
Check Items	CMU7-Temp3 is shorted to ground
可能的影响	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw
Possible Symptom	The power is directly reduced to 0kw under charging conditions, and the power is reduced to 0kw within 90s under discharge conditions
故障诊断码的判断条件	单体温度采样电路对地短路，持续 3s
Failure criteria	The single temperature sampling circuit is short-circuited to ground, lasting 3s
故障治愈条件	单体温度采样正常
Healing condition	The monomer temperature sampling is normal
系统反应（降扭或降速等）	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw

故障码 **DTC**	P1DC0
故障码描述	CMU7-Temp4 对地短路
DTC Description	CMU7-Temp4 shorted to ground
故障发生的可能原因	CMU7-Temp4 对地短路
Possible Cause	CMU7-Temp4 is shorted to ground
检查项目	CMU7-Temp4 对地短路
Check Items	CMU7-Temp4 is shorted to ground
可能的影响	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw
Possible Symptom	The power is directly reduced to 0kw under charging conditions, and the power is reduced to 0kw within 90s under discharge conditions
故障诊断码的判断条件	单体温度采样电路对地短路，持续 3s
Failure criteria	The single temperature sampling circuit is short-circuited to ground, lasting 3s
故障治愈条件	单体温度采样正常
Healing condition	The monomer temperature sampling is normal
系统反应（降扭或降速等）	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw

故障码 **DTC**	P1DC4
故障码描述	CMU7-Temp5 对地短路
DTC Description	CMU7-Temp5 shorted to ground
故障发生的可能原因	CMU7-Temp5 对地短路
Possible Cause	CMU7-Temp5 is shorted to ground
检查项目	CMU7-Temp5 对地短路
Check Items	CMU7-Temp5 is shorted to ground
可能的影响	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw
Possible Symptom	The power is directly reduced to 0kw under charging conditions, and the power is reduced to 0kw within 90s under discharge conditions
故障诊断码的判断条件	单体温度采样电路对地短路，持续 3s
Failure criteria	The single temperature sampling circuit is short-circuited to ground, lasting 3s
故障治愈条件	单体温度采样正常
Healing condition	The monomer temperature sampling is normal
系统反应（降扭或降速等）	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw

故障码 DTC	P1DC8
故障码描述	CMU8-Temp1 对地短路
DTC Description	CMU8-Temp1 shorted to ground
故障发生的可能原因	CMU8-Temp1 对地短路
Possible Cause	CMU8-Temp1 is shorted to ground
检查项目	CMU8-Temp1 对地短路
Check Items	CMU8-Temp1 is shorted to ground
可能的影响	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw
Possible Symptom	The power is directly reduced to 0kw under charging conditions, and the power is reduced to 0kw within 90s under discharge conditions
故障诊断码的判断条件	单体温度采样电路对地短路，持续 3s
Failure criteria	The single temperature sampling circuit is short-circuited to ground, lasting 3s
故障治愈条件	单体温度采样正常
Healing condition	The monomer temperature sampling is normal
系统反应（降扭或降速等）	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw

故障码 DTC	P1DCC
故障码描述	CMU8-Temp2 对地短路
DTC Description	CMU8-Temp2 short circuit to ground
故障发生的可能原因	CMU8-Temp2 对地短路
Possible Cause	CMU8-Temp2 is shorted to ground
检查项目	CMU8-Temp2 对地短路
Check Items	CMU8-Temp2 is shorted to ground
可能的影响	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw
Possible Symptom	The power is directly reduced to 0kw under charging conditions, and the power is reduced to 0kw within 90s under discharge conditions
故障诊断码的判断条件	单体温度采样电路对地短路，持续 3s
Failure criteria	The single temperature sampling circuit is short-circuited to ground, lasting 3s
故障治愈条件	单体温度采样正常
Healing condition	The monomer temperature sampling is normal
系统反应（降扭或降速等）	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw

故障码 DTC	P0562
故障码描述	系统供电电压过低
DTC Description	System power supply voltage is too low
故障发生的可能原因	蓄电池馈电
Possible Cause	Low battery
检查项目	测量蓄电池电压
Check Items	Measure battery voltage
可能的影响	功率降为 0kw
Possible Symptom	Power drops to 0kw
故障诊断码的判断条件	KL30 （蓄电池）电压小于 6.5V，持续 1S 后报出故障
Failure criteria	The voltage of KL30 (battery) is less than 6.5V, and the fault will be reported after 1S
故障治愈条件	KL30 （蓄电池）电压大于 7.5V
Healing condition	KL30 (battery) voltage is greater than 7.5V
系统反应（降扭或降速等)	功率降为 0kw

故障码 DTC	P1DEA
故障码描述	电流合理性故障
DTC Description	Current reasonable fault
故障发生的可能原因	电流零漂
Possible Cause	Zero current drift
检查项目	电流传感器
Check Items	current sensor
可能的影响	功率限一半
Possible Symptom	Half power limit
故障诊断码的判断条件	Pack 电流与零点电流差值大于 2A/Pack 电流与冗余 Pack 电流差值大于 20A/ Pack 电流与负载电流差值大于 20A，持续 1s 后发出故障
Failure criteria	The difference between the pack current and the zero current is greater than 2A/ the difference between the pack current and the redundant pack current is greater than 20A/the difference between the pack current and the load current is greater than 20A, and a fault occurs after 1s
故障治愈条件	Pack 电流与零点电流差值小于 2A&Pack 电流与冗余 Pack 电流差值小于 20A&Pack 电流与负载电流差值小于 20A
Healing condition	The difference between Pack current and zero current is less than 2A&The difference between Pack current and redundant Pack current is less than 20A&The difference between Pack current and load current is less than 20A
系统反应（降扭或降速等)	功率限一半

故障码 DTC	P1DD0
故障码描述	CMU8-Temp3 对地短路
DTC Description	CMU8-Temp3 shorted to ground
故障发生的可能原因	CMU8-Temp3 对地短路
Possible Cause	CMU8-Temp3 is shorted to ground
检查项目	CMU8-Temp3 对地短路
Check Items	CMU8-Temp3 is shorted to ground
可能的影响	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw
Possible Symptom	The power is directly reduced to 0kw under charging conditions, and the power is reduced to 0kw within 90s under discharge conditions
故障诊断码的判断条件	单体温度采样电路对地短路，持续 3s
Failure criteria	The single temperature sampling circuit is short-circuited to ground, lasting 3s
故障治愈条件	单体温度采样正常
Healing condition	The monomer temperature sampling is normal
系统反应（降扭或降速等）	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw

故障码 DTC	P1DD4
故障码描述	CMU8-Temp4 对地短路
DTC Description	CMU8-Temp4 shorted to ground
故障发生的可能原因	CMU8-Temp4 对地短路
Possible Cause	CMU8-Temp4 is shorted to ground
检查项目	CMU8-Temp4 对地短路
Check Items	CMU8-Temp4 is shorted to ground
可能的影响	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw
Possible Symptom	The power is directly reduced to 0kw under charging conditions, and the power is reduced to 0kw within 90s under discharge conditions
故障诊断码的判断条件	单体温度采样电路对地短路，持续 3s
Failure criteria	The single temperature sampling circuit is short-circuited to ground, lasting 3s
故障治愈条件	单体温度采样正常
Healing condition	The monomer temperature sampling is normal
系统反应（降扭或降速等）	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw

故障码 DTC	P1DD8
故障码描述	CMU8-Temp5 对地短路
DTC Description	CMU8-Temp5 short circuit to ground
故障发生的可能原因	CMU8-Temp5 对地短路
Possible Cause	CMU8-Temp5 is shorted to ground
检查项目	CMU8-Temp5 对地短路
Check Items	CMU8-Temp5 is shorted to ground
可能的影响	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw
Possible Symptom	The power is directly reduced to 0kw under charging conditions, and the power is reduced to 0kw within 90s under discharge conditions
故障诊断码的判断条件	单体温度采样电路对地短路，持续 3s
Failure criteria	The single temperature sampling circuit is short-circuited to ground, lasting 3s
故障治愈条件	单体温度采样正常
Healing condition	The monomer temperature sampling is normal
系统反应（降扭或降速等）	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw

故障码 DTC	P1B76
故障码描述	加热膜温度 1 断线故障
DTC Description	Heating film temperature 1 disconnection failure
故障发生的可能原因	加热膜温度 1 采样线
Possible Cause	Heating film temperature 1 sampling line
检查项目	加热膜温度 1 采样线
Check Items	Heating film temperature 1 sampling line
可能的影响	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw
Possible Symptom	The power is directly reduced to 0kw under charging conditions, and the power is reduced to 0kw within 90s under discharge conditions
故障诊断码的判断条件	加热膜温度采样断线，持续 300ms
Failure criteria	The heating film temperature sampling is disconnected, lasting 300ms
故障治愈条件	加热膜温度采样正常
Healing condition	The heating film temperature sampling is normal
系统反应（降扭或降速等）	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw

故障码 DTC	P1B78
故障码描述	加热膜温度 2 断线故障
DTC Description	Heating film temperature 2 disconnection failure
故障发生的可能原因	加热膜温度 2 采样线
Possible Cause	Heating film temperature 2 sampling line
检查项目	加热膜温度 2 采样线
Check Items	Heating film temperature 2 sampling line
可能的影响	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw
Possible Symptom	The power is directly reduced to 0kw under charging conditions, and the power is reduced to 0kw within 90s under discharge conditions
故障诊断码的判断条件	加热膜温度采样断线，持续 300ms
Failure criteria	The heating film temperature sampling is disconnected, lasting 300ms
故障治愈条件	加热膜温度采样正常
Healing condition	The heating film temperature sampling is normal
系统反应（降扭或降速等）	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw

故障码 DTC	P1B7A
故障码描述	加热膜温度 3 断线故障
DTC Description	Heating film temperature 3 disconnection failure
故障发生的可能原因	加热膜温度 3 采样线
Possible Cause	Heating film temperature 3 sampling line
检查项目	加热膜温度 3 采样线
Check Items	Heating film temperature 3 sampling line
可能的影响	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw
Possible Symptom	The power is directly reduced to 0kw under charging conditions, and the power is reduced to 0kw within 90s under discharge conditions
故障诊断码的判断条件	加热膜温度采样断线，持续 300ms
Failure criteria	The heating film temperature sampling is disconnected, lasting 300ms
故障治愈条件	加热膜温度采样正常
Healing condition	The heating film temperature sampling is normal
系统反应（降扭或降速等）	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw

故障码 DTC	P1B7C
故障码描述	加热膜温度 4 断线故障
DTC Description	Heating film temperature 4 disconnection failure
故障发生的可能原因	加热膜温度 4 采样线
Possible Cause	Heating film temperature 4 sampling line
检查项目	加热膜温度 4 采样线
Check Items	Heating film temperature 4 sampling line
可能的影响	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw
Possible Symptom	The power is directly reduced to 0kw under charging conditions, and the power is reduced to 0kw within 90s under discharge conditions
故障诊断码的判断条件	加热膜温度采样断线，持续 300ms
Failure criteria	The heating film temperature sampling is disconnected, lasting 300ms
故障治愈条件	加热膜温度采样正常
Healing condition	The heating film temperature sampling is normal
系统反应（降扭或降速等）	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw

故障码 DTC	P1B7E
故障码描述	加热膜温度 5 断线故障
DTC Description	Heating film temperature 5 disconnection failure
故障发生的可能原因	加热膜温度 5 采样线
Possible Cause	Heating film temperature 5 sampling line
检查项目	加热膜温度 5 采样线
Check Items	Heating film temperature 5 sampling line
可能的影响	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw
Possible Symptom	The power is directly reduced to 0kw under charging conditions, and the power is reduced to 0kw within 90s under discharge conditions
故障诊断码的判断条件	加热膜温度采样断线，持续 300ms
Failure criteria	The heating film temperature sampling is disconnected, lasting 300ms
故障治愈条件	加热膜温度采样正常
Healing condition	The heating film temperature sampling is normal
系统反应（降扭或降速等）	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw

故障码 DTC	P1B80
故障码描述	加热膜温度 6 断线故障
DTC Description	Heating film temperature 6 disconnection failure
故障发生的可能原因	加热膜温度 6 采样线
Possible Cause	Heating film temperature 6 sampling line
检查项目	加热膜温度 6 采样线
Check Items	Heating film temperature 6 sampling line
可能的影响	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw
Possible Symptom	The power is directly reduced to 0kw under charging conditions, and the power is reduced to 0kw within 90s under discharge conditions
故障诊断码的判断条件	加热膜温度采样断线，持续 300ms
Failure criteria	The heating film temperature sampling is disconnected, lasting 300ms
故障治愈条件	加热膜温度采样正常
Healing condition	The heating film temperature sampling is normal
系统反应（降扭或降速等）	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw

故障码 DTC	P1B82
故障码描述	加热膜温度 7 断线故障
DTC Description	Heating film temperature 7 disconnection failure
故障发生的可能原因	加热膜温度 7 采样线
Possible Cause	Heating film temperature 7 sampling line
检查项目	加热膜温度 7 采样线
Check Items	Heating film temperature 7 sampling line
可能的影响	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw
Possible Symptom	The power is directly reduced to 0kw under charging conditions, and the power is reduced to 0kw within 90s under discharge conditions
故障诊断码的判断条件	加热膜温度采样断线，持续 300ms
Failure criteria	The heating film temperature sampling is disconnected, lasting 300ms
故障治愈条件	加热膜温度采样正常
Healing condition	The heating film temperature sampling is normal
系统反应（降扭或降速等）	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw

故障码 DTC	U0073
故障码描述	动力 CAN Busoff
DTC Description	Power CAN Busoff
故障发生的可能原因	CAN_H 和 CAN_L 短路
Possible Cause	CAN_H and CAN_L are shorted
检查项目	测量 CAN_H 和 CAN_L 之间的电阻
Check Items	Measure the resistance between CAN_H and CAN_L
可能的影响	功率限一半
Possible Symptom	Half power limit
故障治愈条件	保持之前状态，收到报文后会自动恢复
Healing condition	Keep the previous state, it will automatically recover after receiving the message
系统反应（降扭或降速等）	功率限一半

故障码 DTC	P1B84
故障码描述	加热膜温度 8 断线故障
DTC Description	Heating film temperature 8 disconnection failure
故障发生的可能原因	加热膜温度 8 采样线
Possible Cause	Heating film temperature 8 sampling line
检查项目	加热膜温度 8 采样线
Check Items	Heating film temperature 8 sampling line
可能的影响	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw
Possible Symptom	The power is directly reduced to 0kw under charging conditions, and the power is reduced to 0kw within 90s under discharge conditions
故障诊断码的判断条件	加热膜温度采样断线，持续 300ms
Failure criteria	The heating film temperature sampling is disconnected, lasting 300ms
故障治愈条件	加热膜温度采样正常
Healing condition	The heating film temperature sampling is normal
系统反应（降扭或降速等）	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw

故障码 DTC	P1B86
故障码描述	加热膜温度 9 断线故障
DTC Description	Heating film temperature 9 disconnection failure
故障发生的可能原因	加热膜温度 9 采样线
Possible Cause	Heating film temperature 9 sampling line
检查项目	加热膜温度 9 采样线
Check Items	Heating film temperature 9 sampling line
可能的影响	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw
Possible Symptom	The power is directly reduced to 0kw under charging conditions, and the power is reduced to 0kw within 90s under discharge conditions
故障诊断码的判断条件	加热膜温度采样断线，持续 300ms
Failure criteria	The heating film temperature sampling is disconnected, lasting 300ms
故障治愈条件	加热膜温度采样正常
Healing condition	The heating film temperature sampling is normal
系统反应（降扭或降速等）	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw

故障码 DTC	P1B88
故障码描述	加热膜温度 10 断线故障
DTC Description	Heating film temperature 10 disconnection failure
故障发生的可能原因	加热膜温度 10 断线
Possible Cause	Heating film temperature 10 disconnection
检查项目	加热膜温度 10 采样线
Check Items	Heating film temperature 10 sampling line
可能的影响	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw
Possible Symptom	The power is directly reduced to 0kw under charging conditions, and the power is reduced to 0kw within 90s under discharge conditions
故障诊断码的判断条件	加热膜温度采样断线，持续 300ms
Failure criteria	The heating film temperature sampling is disconnected, lasting 300ms
故障治愈条件	加热膜温度采样正常
Healing condition	The heating film temperature sampling is normal
系统反应（降扭或降速等）	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw

故障码 DTC	P1B8A
故障码描述	加热膜温度 11 断线故障
DTC Description	Heating film temperature 11 disconnection failure
故障发生的可能原因	加热膜温度 11 断线
Possible Cause	Heating film temperature 11 is broken
检查项目	加热膜温度 11 采样线
Check Items	Heating film temperature 11 sampling line
可能的影响	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw
Possible Symptom	The power is directly reduced to 0kw under charging conditions, and the power is reduced to 0kw within 90s under discharge conditions
故障诊断码的判断条件	加热膜温度采样断线，持续 300ms
Failure criteria	The heating film temperature sampling is disconnected, lasting 300ms
故障治愈条件	加热膜温度采样正常
Healing condition	The heating film temperature sampling is normal
系统反应（降扭或降速等）	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw

故障码 DTC	P1B8C
故障码描述	加热膜温度 12 断线故障
DTC Description	Heating film temperature 12 disconnection failure
故障发生的可能原因	加热膜温度 12 断线
Possible Cause	Heating film temperature 12 disconnection
检查项目	加热膜温度 12 采样线
Check Items	Heating film temperature 12 sampling line
可能的影响	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw
Possible Symptom	The power is directly reduced to 0kw under charging conditions, and the power is reduced to 0kw within 90s under discharge conditions
故障诊断码的判断条件	加热膜温度采样断线，持续 300ms
Failure criteria	The heating film temperature sampling is disconnected, lasting 300ms
故障治愈条件	加热膜温度采样正常
Healing condition	The heating film temperature sampling is normal
系统反应（降扭或降速等）	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw

故障码 DTC	P1B8E
故障码描述	加热膜温度 13 断线故障
DTC Description	Heating film temperature 13 disconnection failure
故障发生的可能原因	加热膜温度 13 断线
Possible Cause	Heating film temperature 13 is broken
检查项目	加热膜温度 13 采样线
Check Items	Heating film temperature 13 sampling line
可能的影响	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw
Possible Symptom	The power is directly reduced to 0kw under charging conditions, and the power is reduced to 0kw within 90s under discharge conditions
故障诊断码的判断条件	加热膜温度采样断线，持续 300ms
Failure criteria	The heating film temperature sampling is disconnected, lasting 300ms
故障治愈条件	加热膜温度采样正常
Healing condition	The heating film temperature sampling is normal
系统反应（降扭或降速等）	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw

故障码 DTC	P1B90
故障码描述	加热膜温度 14 断线故障
DTC Description	Heating film temperature 14 disconnection failure
故障发生的可能原因	加热膜温度 14 断线
Possible Cause	Heating film temperature 14 break
检查项目	加热膜温度 14 采样线
Check Items	Heating film temperature 14 sampling line
可能的影响	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw
Possible Symptom	The power is directly reduced to 0kw under charging conditions, and the power is reduced to 0kw within 90s under discharge conditions
故障诊断码的判断条件	加热膜温度采样断线，持续 300ms
Failure criteria	The heating film temperature sampling is disconnected, lasting 300ms
故障治愈条件	加热膜温度采样正常
Healing condition	The heating film temperature sampling is normal
系统反应（降扭或降速等）	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw

故障码 DTC	P1B92
故障码描述	加热膜温度 15 断线故障
DTC Description	Heating film temperature 15 disconnection failure
故障发生的可能原因	加热膜温度 15 断线
Possible Cause	Heating film temperature 15 break
检查项目	加热膜温度 15 采样线
Check Items	Heating film temperature 15 sampling line
可能的影响	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw
Possible Symptom	The power is directly reduced to 0kw under charging conditions, and the power is reduced to 0kw within 90s under discharge conditions
故障诊断码的判断条件	加热膜温度采样断线，持续 300ms
Failure criteria	The heating film temperature sampling is disconnected, lasting 300ms
故障治愈条件	加热膜温度采样正常
Healing condition	The heating film temperature sampling is normal
系统反应（降扭或降速等）	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw

故障码 DTC	P1B94
故障码描述	加热膜温度 16 断线故障
DTC Description	Heating film temperature 16 disconnection failure
故障发生的可能原因	加热膜温度 16 断线
Possible Cause	Heating film temperature 16 break
检查项目	加热膜温度 16 采样线
Check Items	Heating film temperature 16 sampling line
可能的影响	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw
Possible Symptom	The power is directly reduced to 0kw under charging conditions, and the power is reduced to 0kw within 90s under discharge conditions
故障诊断码的判断条件	加热膜温度采样断线，持续 300ms
Failure criteria	The heating film temperature sampling is disconnected, lasting 300ms
故障治愈条件	加热膜温度采样正常
Healing condition	The heating film temperature sampling is normal
系统反应（降扭或降速等）	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw

故障码 DTC	P1B96
故障码描述	加热膜温度 17 断线故障
DTC Description	Heating film temperature 17 disconnection failure
故障发生的可能原因	加热膜温度 17 断线
Possible Cause	Heating film temperature 17 disconnected
检查项目	加热膜温度 17 采样线
Check Items	Heating film temperature 17 sampling line
可能的影响	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw
Possible Symptom	The power is directly reduced to 0kw under charging conditions, and the power is reduced to 0kw within 90s under discharge conditions
故障诊断码的判断条件	加热膜温度采样断线，持续 300ms
Failure criteria	The heating film temperature sampling is disconnected, lasting 300ms
故障治愈条件	加热膜温度采样正常
Healing condition	The heating film temperature sampling is normal
系统反应（降扭或降速等）	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw

故障码 DTC	U0111
故障码描述	BMS 与 VCU 通讯超时
DTC Description	BMS and VCU communication timeout
故障发生的可能原因	VCU 报文丢失
Possible Cause	VCU packet loss
检查项目	VCU 控制器或软件
Check Items	VCU controller or software
可能的影响	BMS 正常运行
Possible Symptom	BMS is operating normally
故障诊断码的判断条件	未收到 VCU 指定报文超过 1000ms
Failure criteria	The VCU specified message is not received for more than 1000ms
故障治愈条件	收到报文后会自动恢复
Healing condition	It will automatically recover after receiving the message
系统反应（降扭或降速等）	BMS 正常运行

故障码 DTC	P1B98
故障码描述	加热膜温度 18 断线故障
DTC Description	Heating film temperature 18 disconnection failure
故障发生的可能原因	加热膜温度 18 断线
Possible Cause	Heating film temperature 18 disconnected
检查项目	加热膜温度 18 采样线
Check Items	Heating film temperature 18 sampling line
可能的影响	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw
Possible Symptom	The power is directly reduced to 0kw under charging conditions, and the power is reduced to 0kw within 90s under discharge conditions
故障诊断码的判断条件	加热膜温度采样断线，持续 300ms
Failure criteria	The heating film temperature sampling is disconnected, lasting 300ms
故障治愈条件	加热膜温度采样正常
Healing condition	The heating film temperature sampling is normal
系统反应（降扭或降速等）	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw

故障码 DTC	P1B9A
故障码描述	加热膜温度 19 断线故障
DTC Description	Heating film temperature 19 disconnection failure
故障发生的可能原因	加热膜温度 19 断线
Possible Cause	Heating film temperature 19 broken
检查项目	加热膜温度 19 采样线
Check Items	Heating film temperature 19 sampling line
可能的影响	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw
Possible Symptom	The power is directly reduced to 0kw under charging conditions, and the power is reduced to 0kw within 90s under discharge conditions
故障诊断码的判断条件	加热膜温度采样断线，持续 300ms
Failure criteria	The heating film temperature sampling is disconnected, lasting 300ms
故障治愈条件	加热膜温度采样正常
Healing condition	The heating film temperature sampling is normal
系统反应（降扭或降速等）	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw

故障码 DTC	P1B9C
故障码描述	加热膜温度 20 断线故障
DTC Description	Heating film temperature 20 disconnection failure
故障发生的可能原因	加热膜温度 20 断线
Possible Cause	Heating film temperature 20 disconnection
检查项目	加热膜温度 20 采样线
Check Items	Heating film temperature 20 sampling line
可能的影响	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw
Possible Symptom	The power is directly reduced to 0kw under charging conditions, and the power is reduced to 0kw within 90s under discharge conditions
故障诊断码的判断条件	加热膜温度采样断线，持续 300ms
Failure criteria	The heating film temperature sampling is disconnected, lasting 300ms
故障治愈条件	加热膜温度采样正常
Healing condition	The heating film temperature sampling is normal
系统反应（降扭或降速等）	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw

故障码 DTC	P1B9E
故障码描述	加热膜温度 21 断线故障
DTC Description	Heating film temperature 21 disconnection failure
故障发生的可能原因	加热膜温度 21 断线
Possible Cause	Heating film temperature 21 is broken
检查项目	加热膜温度 21 采样线
Check Items	Heating film temperature 21 sampling line
可能的影响	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw
Possible Symptom	The power is directly reduced to 0kw under charging conditions, and the power is reduced to 0kw within 90s under discharge conditions
故障诊断码的判断条件	加热膜温度采样断线，持续 300ms
Failure criteria	The heating film temperature sampling is disconnected, lasting 300ms
故障治愈条件	加热膜温度采样正常
Healing condition	The heating film temperature sampling is normal
系统反应（降扭或降速等）	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw

故障码 DTC	P1BA0
故障码描述	加热膜温度 22 断线故障
DTC Description	Heating film temperature 22 disconnection failure
故障发生的可能原因	加热膜温度 22 断线
Possible Cause	Heating film temperature 22 disconnected
检查项目	加热膜温度 22 采样线
Check Items	Heating film temperature 22 sampling line
可能的影响	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw
Possible Symptom	The power is directly reduced to 0kw under charging conditions, and the power is reduced to 0kw within 90s under discharge conditions
故障诊断码的判断条件	加热膜温度采样断线，持续 300ms
Failure criteria	The heating film temperature sampling is disconnected, lasting 300ms
故障治愈条件	加热膜温度采样正常
Healing condition	The heating film temperature sampling is normal
系统反应（降扭或降速等）	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw

故障码 DTC	P1BA2
故障码描述	加热膜温度 23 断线故障
DTC Description	Heating film temperature 23 disconnection failure
故障发生的可能原因	加热膜温度 23 断线
Possible Cause	Heating film temperature 23 is broken
检查项目	加热膜温度 23 采样线
Check Items	Heating film temperature 23 sampling line
可能的影响	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw
Possible Symptom	The power is directly reduced to 0kw under charging conditions, and the power is reduced to 0kw within 90s under discharge conditions
故障诊断码的判断条件	加热膜温度采样断线，持续 300ms
Failure criteria	The heating film temperature sampling is disconnected, lasting 300ms
故障治愈条件	加热膜温度采样正常
Healing condition	The heating film temperature sampling is normal
系统反应（降扭或降速等）	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw

故障码 DTC	P1BA4
故障码描述	加热膜温度 24 断线故障
DTC Description	Heating film temperature 24 disconnection failure
故障发生的可能原因	加热膜温度 24 断线
Possible Cause	Heating film temperature 24 disconnection
检查项目	加热膜温度 24 采样线
Check Items	Heating film temperature 24 sampling line
可能的影响	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw
Possible Symptom	The power is directly reduced to 0kw under charging conditions, and the power is reduced to 0kw within 90s under discharge conditions
故障诊断码的判断条件	加热膜温度采样断线，持续 300ms
Failure criteria	The heating film temperature sampling is disconnected, lasting 300ms
故障治愈条件	加热膜温度采样正常
Healing condition	The heating film temperature sampling is normal
系统反应（降扭或降速等）	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw

故障码 DTC	P1BA6
故障码描述	加热膜温度 1 对地短路故障
DTC Description	Heating film temperature 1 to ground short circuit failure
故障发生的可能原因	加热膜温度 1 对地短路
Possible Cause	Heating film temperature 1 short circuit to ground
检查项目	加热膜温度 1 采样线
Check Items	Heating film temperature 1 sampling line
可能的影响	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw
Possible Symptom	The power is directly reduced to 0kw under charging conditions, and the power is reduced to 0kw within 90s under discharge conditions
故障诊断码的判断条件	加热膜温度采样对地短路，持续 3000ms
Failure criteria	The heating film temperature sampling is short-circuited to ground, lasting 3000ms
故障治愈条件	加热膜温度采样正常
Healing condition	The heating film temperature sampling is normal
系统反应（降扭或降速等）	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw

故障码 DTC	P1BA8
故障码描述	加热膜温度 2 对地短路故障
DTC Description	Heating film temperature 2 to ground short circuit failure
故障发生的可能原因	加热膜温度 2 对地短路
Possible Cause	Heating film temperature 2 short circuit to ground
检查项目	加热膜温度 2 采样线
Check Items	Heating film temperature 2 sampling line
可能的影响	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw
Possible Symptom	The power is directly reduced to 0kw under charging conditions, and the power is reduced to 0kw within 90s under discharge conditions
故障诊断码的判断条件	加热膜温度采样对地短路，持续 3000ms
Failure criteria	The heating film temperature sampling is short-circuited to ground, lasting 3000ms
故障治愈条件	加热膜温度采样正常
Healing condition	The heating film temperature sampling is normal
系统反应（降扭或降速等）	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw

故障码 DTC	P1BAA
故障码描述	加热膜温度 3 对地短路故障
DTC Description	Heating film temperature 3 to ground short circuit failure
故障发生的可能原因	加热膜温度 3 对地短路
Possible Cause	Heating film temperature 3 short circuit to ground
检查项目	加热膜温度 3 采样线
Check Items	Heating film temperature 3 sampling line
可能的影响	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw
Possible Symptom	The power is directly reduced to 0kw under charging conditions, and the power is reduced to 0kw within 90s under discharge conditions
故障诊断码的判断条件	加热膜温度采样对地短路，持续 3000ms
Failure criteria	The heating film temperature sampling is short-circuited to ground, lasting 3000ms
故障治愈条件	加热膜温度采样正常
Healing condition	The heating film temperature sampling is normal
系统反应（降扭或降速等）	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw

故障码 DTC	U0298
故障码描述	BMS 与 DCDC 通讯超时
DTC Description	BMS and DCDC communication timeout
故障发生的可能原因	DCDC 报文丢失
Possible Cause	DCDC packet loss
检查项目	DCDC 控制器或软件
Check Items	DCDC controller or software
可能的影响	BMS 正常运行
Possible Symptom	BMS is operating normally
故障诊断码的判断条件	未收到 DCDC 指定报文超过 1000ms
Failure criteria	The DCDC specified packet was not received for more than 1000ms
故障治愈条件	收到报文后会自动恢复
Healing condition	It will automatically recover after receiving the message
系统反应（降扭或降速等)	BMS 正常运行

故障码 DTC	P1BAC
故障码描述	加热膜温度 4 对地短路故障
DTC Description	Heating film temperature 4 to ground short circuit failure
故障发生的可能原因	加热膜温度 4 对地短路
Possible Cause	Heating film temperature 4 short circuit to ground
检查项目	加热膜温度 4 采样线
Check Items	Heating film temperature 4 sampling line
可能的影响	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw
Possible Symptom	The power is directly reduced to 0kw under charging conditions, and the power is reduced to 0kw within 90s under discharge conditions
故障诊断码的判断条件	加热膜温度采样对地短路，持续 3000ms
Failure criteria	The heating film temperature sampling is short-circuited to ground, lasting 3000ms
故障治愈条件	加热膜温度采样正常
Healing condition	The heating film temperature sampling is normal
系统反应（降扭或降速等)	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw

故障码 DTC	P1BAE
故障码描述	加热膜温度 5 对地短路故障
DTC Description	Heating film temperature 5 to ground short circuit failure
故障发生的可能原因	加热膜温度 5 对地短路
Possible Cause	Heating film temperature 5 to ground short circuit
检查项目	加热膜温度 5 采样线
Check Items	Heating film temperature 5 sampling line
可能的影响	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw
Possible Symptom	The power is directly reduced to 0kw under charging conditions, and the power is reduced to 0kw within 90s under discharge conditions
故障诊断码的判断条件	加热膜温度采样对地短路，持续 3000ms
Failure criteria	The heating film temperature sampling is short-circuited to ground, lasting 3000ms
故障治愈条件	加热膜温度采样正常
Healing condition	The heating film temperature sampling is normal
系统反应（降扭或降速等）	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw

故障码 DTC	P1BB0
故障码描述	加热膜温度 6 对地短路故障
DTC Description	Heating film temperature 6 to ground short circuit failure
故障发生的可能原因	加热膜温度 6 对地短路
Possible Cause	Heating film temperature 6 to ground short circuit
检查项目	加热膜温度 6 采样线
Check Items	Heating film temperature 6 sampling line
可能的影响	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw
Possible Symptom	The power is directly reduced to 0kw under charging conditions, and the power is reduced to 0kw within 90s under discharge conditions
故障诊断码的判断条件	加热膜温度采样对地短路，持续 3000ms
Failure criteria	The heating film temperature sampling is short-circuited to ground, lasting 3000ms
故障治愈条件	加热膜温度采样正常
Healing condition	The heating film temperature sampling is normal
系统反应（降扭或降速等）	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw

故障码 DTC	P1BB2
故障码描述	加热膜温度 7 对地短路故障
DTC Description	Heating film temperature 7 to ground short circuit failure
故障发生的可能原因	加热膜温度 7 对地短路
Possible Cause	Heating film temperature 7 short circuit to ground
检查项目	加热膜温度 7 采样线
Check Items	Heating film temperature 7 sampling line
可能的影响	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw
Possible Symptom	The power is directly reduced to 0kw under charging conditions, and the power is reduced to 0kw within 90s under discharge conditions
故障诊断码的判断条件	加热膜温度采样对地短路，持续 3000ms
Failure criteria	The heating film temperature sampling is short-circuited to ground, lasting 3000ms
故障治愈条件	加热膜温度采样正常
Healing condition	The heating film temperature sampling is normal
系统反应（降扭或降速等）	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw

故障码 DTC	P1BB4
故障码描述	加热膜温度 8 对地短路故障
DTC Description	Heating film temperature 8 to ground short circuit failure
故障发生的可能原因	加热膜温度 8 对地短路
Possible Cause	Heating film temperature 8 short circuit to ground
检查项目	加热膜温度 8 采样线
Check Items	Heating film temperature 8 sampling line
可能的影响	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw
Possible Symptom	The power is directly reduced to 0kw under charging conditions, and the power is reduced to 0kw within 90s under discharge conditions
故障诊断码的判断条件	加热膜温度采样对地短路，持续 3000ms
Failure criteria	The heating film temperature sampling is short-circuited to ground, lasting 3000ms
故障治愈条件	加热膜温度采样正常
Healing condition	The heating film temperature sampling is normal
系统反应（降扭或降速等）	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw

故障码 DTC	P1BB6
故障码描述	加热膜温度 9 对地短路故障
DTC Description	Heating film temperature 9 to ground short circuit failure
故障发生的可能原因	加热膜温度 9 对地短路
Possible Cause	Heating film temperature 9 short circuit to ground
检查项目	加热膜温度 9 采样线
Check Items	Heating film temperature 9 sampling line
可能的影响	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw
Possible Symptom	The power is directly reduced to 0kw under charging conditions, and the power is reduced to 0kw within 90s under discharge conditions
故障诊断码的判断条件	加热膜温度采样对地短路，持续 3000ms
Failure criteria	The heating film temperature sampling is short-circuited to ground, lasting 3000ms
故障治愈条件	加热膜温度采样正常
Healing condition	The heating film temperature sampling is normal
系统反应（降扭或降速等）	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw

故障码 DTC	P1BB8
故障码描述	加热膜温度 10 对地短路故障
DTC Description	Heating film temperature 10 to ground short circuit failure
故障发生的可能原因	加热膜温度 10 对地短路
Possible Cause	Heating film temperature 10 short circuit to ground
检查项目	加热膜温度 10 采样线
Check Items	Heating film temperature 10 sampling line
可能的影响	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw
Possible Symptom	The power is directly reduced to 0kw under charging conditions, and the power is reduced to 0kw within 90s under discharge conditions
故障诊断码的判断条件	加热膜温度采样对地短路，持续 3000ms
Failure criteria	The heating film temperature sampling is short-circuited to ground, lasting 3000ms
故障治愈条件	加热膜温度采样正常
Healing condition	The heating film temperature sampling is normal
系统反应（降扭或降速等）	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw

故障码 DTC	P1BBA
故障码描述	加热膜温度 11 对地短路故障
DTC Description	Heating film temperature 11 to ground short circuit failure
故障发生的可能原因	加热膜温度 11 对地短路
Possible Cause	Heating film temperature 11 short circuit to ground
检查项目	加热膜温度 11 采样线
Check Items	Heating film temperature 11 sampling line
可能的影响	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw
Possible Symptom	The power is directly reduced to 0kw under charging conditions, and the power is reduced to 0kw within 90s under discharge conditions
故障诊断码的判断条件	加热膜温度采样对地短路，持续 3000ms
Failure criteria	The heating film temperature sampling is short-circuited to ground, lasting 3000ms
故障治愈条件	加热膜温度采样正常
Healing condition	The heating film temperature sampling is normal
系统反应（降扭或降速等）	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw

故障码 DTC	P1BBC
故障码描述	加热膜温度 12 对地短路故障
DTC Description	Heating film temperature 12 to ground short circuit failure
故障发生的可能原因	加热膜温度 12 对地短路
Possible Cause	Heating film temperature 12 to ground short circuit
检查项目	加热膜温度 12 采样线
Check Items	Heating film temperature 12 sampling line
可能的影响	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw
Possible Symptom	The power is directly reduced to 0kw under charging conditions, and the power is reduced to 0kw within 90s under discharge conditions
故障诊断码的判断条件	加热膜温度采样对地短路，持续 3000ms
Failure criteria	The heating film temperature sampling is short-circuited to ground, lasting 3000ms
故障治愈条件	加热膜温度采样正常
Healing condition	The heating film temperature sampling is normal
系统反应（降扭或降速等）	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw

故障码 DTC	P1BBE
故障码描述	加热膜温度 13 对地短路故障
DTC Description	Heating film temperature 13 to ground short circuit failure
故障发生的可能原因	加热膜温度 13 对地短路
Possible Cause	Heating film temperature 13 short circuit to ground
检查项目	加热膜温度 13 采样线
Check Items	Heating film temperature 13 sampling line
可能的影响	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw
Possible Symptom	The power is directly reduced to 0kw under charging conditions, and the power is reduced to 0kw within 90s under discharge conditions
故障诊断码的判断条件	加热膜温度采样对地短路，持续 3000ms
Failure criteria	The heating film temperature sampling is short-circuited to ground, lasting 3000ms
故障治愈条件	加热膜温度采样正常
Healing condition	The heating film temperature sampling is normal
系统反应（降扭或降速等）	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw

故障码 DTC	U0110
故障码描述	BMS 与 PEU 通讯超时
DTC Description	BMS and PEU communication timeout
故障发生的可能原因	PEU 报文丢失
Possible Cause	PEU packet is lost
检查项目	PEU 控制器或软件
Check Items	PEU controller or software
可能的影响	BMS 正常运行
Possible Symptom	BMS is operating normally
故障诊断码的判断条件	未收到 PEU 指定报文超过 300ms
Failure criteria	The PEU specified packet is not received for more than 300ms
故障治愈条件	收到报文后会自动恢复
Healing condition	It will automatically recover after receiving the message
系统反应（降扭或降速等）	BMS 正常运行

故障码 DTC	P1BC0
故障码描述	加热膜温度 14 对地短路故障
DTC Description	Heating film temperature 14 to ground short circuit failure
故障发生的可能原因	加热膜温度 14 对地短路
Possible Cause	Heating film temperature 14 short circuit to ground
检查项目	加热膜温度 14 采样线
Check Items	Heating film temperature 14 sampling line
可能的影响	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw
Possible Symptom	The power is directly reduced to 0kw under charging conditions, and the power is reduced to 0kw within 90s under discharge conditions
故障诊断码的判断条件	加热膜温度采样对地短路，持续 3000ms
Failure criteria	The heating film temperature sampling is short-circuited to ground, lasting 3000ms
故障治愈条件	加热膜温度采样正常
Healing condition	The heating film temperature sampling is normal
系统反应（降扭或降速等）	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw

故障码 DTC	P1BC2
故障码描述	加热膜温度 15 对地短路故障
DTC Description	Heating film temperature 15 to ground short circuit failure
故障发生的可能原因	加热膜温度 15 对地短路
Possible Cause	Heating film temperature 15 short circuit to ground
检查项目	加热膜温度 15 采样线
Check Items	Heating film temperature 15 sampling line
可能的影响	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw
Possible Symptom	The power is directly reduced to 0kw under charging conditions, and the power is reduced to 0kw within 90s under discharge conditions
故障诊断码的判断条件	加热膜温度采样对地短路，持续 3000ms
Failure criteria	The heating film temperature sampling is short-circuited to ground, lasting 3000ms
故障治愈条件	加热膜温度采样正常
Healing condition	The heating film temperature sampling is normal
系统反应（降扭或降速等）	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw

故障码 DTC	P1BC4
故障码描述	加热膜温度 16 对地短路故障
DTC Description	Heating film temperature 16 to ground short circuit failure
故障发生的可能原因	加热膜温度 16 对地短路
Possible Cause	Heating film temperature 16 short circuit to ground
检查项目	加热膜温度 16 采样线
Check Items	Heating film temperature 16 sampling line
可能的影响	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw
Possible Symptom	The power is directly reduced to 0kw under charging conditions, and the power is reduced to 0kw within 90s under discharge conditions
故障诊断码的判断条件	加热膜温度采样对地短路，持续 3000ms
Failure criteria	The heating film temperature sampling is short-circuited to ground, lasting 3000ms
故障治愈条件	加热膜温度采样正常
Healing condition	The heating film temperature sampling is normal
系统反应（降扭或降速等）	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw

故障码 DTC	P1BC6
故障码描述	加热膜温度 17 对地短路故障
DTC Description	Heating film temperature 17 to ground short circuit failure
故障发生的可能原因	加热膜温度 17 对地短路
Possible Cause	Heating film temperature 17 short circuit to ground
检查项目	加热膜温度 17 采样线
Check Items	Heating film temperature 17 sampling line
可能的影响	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw
Possible Symptom	The power is directly reduced to 0kw under charging conditions, and the power is reduced to 0kw within 90s under discharge conditions
故障诊断码的判断条件	加热膜温度采样对地短路，持续 3000ms
Failure criteria	The heating film temperature sampling is short-circuited to ground, lasting 3000ms
故障治愈条件	加热膜温度采样正常
Healing condition	The heating film temperature sampling is normal
系统反应（降扭或降速等）	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw

故障码 DTC	P1BC8
故障码描述	加热膜温度 18 对地短路故障
DTC Description	Heating film temperature 18 to ground short circuit failure
故障发生的可能原因	加热膜温度 18 对地短路
Possible Cause	Heating film temperature 18 short circuit to ground
检查项目	加热膜温度 18 采样线
Check Items	Heating film temperature 18 sampling line
可能的影响	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw
Possible Symptom	The power is directly reduced to 0kw under charging conditions, and the power is reduced to 0kw within 90s under discharge conditions
故障诊断码的判断条件	加热膜温度采样对地短路，持续 3000ms
Failure criteria	The heating film temperature sampling is short-circuited to ground, lasting 3000ms
故障治愈条件	加热膜温度采样正常
Healing condition	The heating film temperature sampling is normal
系统反应（降扭或降速等）	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw

故障码 DTC	P1BCA
故障码描述	加热膜温度 19 对地短路故障
DTC Description	Heating film temperature 19 short to ground fault
故障发生的可能原因	加热膜温度 19 对地短路
Possible Cause	Heating film temperature 19 short circuit to ground
检查项目	加热膜温度 19 采样线
Check Items	Heating film temperature 19 sampling line
可能的影响	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw
Possible Symptom	The power is directly reduced to 0kw under charging conditions, and the power is reduced to 0kw within 90s under discharge conditions
故障诊断码的判断条件	加热膜温度采样对地短路，持续 3000ms
Failure criteria	The heating film temperature sampling is short-circuited to ground, lasting 3000ms
故障治愈条件	加热膜温度采样正常
Healing condition	The heating film temperature sampling is normal
系统反应（降扭或降速等）	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw

故障码 DTC	P1BCC
故障码描述	加热膜温度 20 对地短路故障
DTC Description	Heating film temperature 20 to ground short circuit failure
故障发生的可能原因	加热膜温度 20 对地短路
Possible Cause	Heating film temperature 20 to ground short circuit
检查项目	加热膜温度 20 采样线
Check Items	Heating film temperature 20 sampling line
可能的影响	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw
Possible Symptom	The power is directly reduced to 0kw under charging conditions, and the power is reduced to 0kw within 90s under discharge conditions
故障诊断码的判断条件	加热膜温度采样对地短路，持续 3000ms
Failure criteria	The heating film temperature sampling is short-circuited to ground, lasting 3000ms
故障治愈条件	加热膜温度采样正常
Healing condition	The heating film temperature sampling is normal
系统反应（降扭或降速等）	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw

故障码 DTC	P1BCE
故障码描述	加热膜温度 21 对地短路故障
DTC Description	Heating film temperature 21 to ground short circuit failure
故障发生的可能原因	加热膜温度 21 对地短路
Possible Cause	Heating film temperature 21 short to ground
检查项目	加热膜温度 21 采样线
Check Items	Heating film temperature 21 sampling line
可能的影响	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw
Possible Symptom	The power is directly reduced to 0kw under charging conditions, and the power is reduced to 0kw within 90s under discharge conditions
故障诊断码的判断条件	加热膜温度采样对地短路，持续 3000ms
Failure criteria	The heating film temperature sampling is short-circuited to ground, lasting 3000ms
故障治愈条件	加热膜温度采样正常
Healing condition	The heating film temperature sampling is normal
系统反应（降扭或降速等）	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw

故障码 DTC	P1BD0
故障码描述	加热膜温度 22 对地短路故障
DTC Description	Heating film temperature 22 to ground short circuit failure
故障发生的可能原因	加热膜温度 22 对地短路
Possible Cause	Heating film temperature 22 short circuit to ground
检查项目	加热膜温度 22 采样线
Check Items	Heating film temperature 22 sampling line
可能的影响	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw
Possible Symptom	The power is directly reduced to 0kw under charging conditions, and the power is reduced to 0kw within 90s under discharge conditions
故障诊断码的判断条件	加热膜温度采样对地短路，持续 3000ms
Failure criteria	The heating film temperature sampling is short-circuited to ground, lasting 3000ms
故障治愈条件	加热膜温度采样正常
Healing condition	The heating film temperature sampling is normal
系统反应（降扭或降速等）	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw

故障码 DTC	P1BD2
故障码描述	加热膜温度 23 对地短路故障
DTC Description	Heating film temperature 23 short to ground fault
故障发生的可能原因	加热膜温度 23 对地短路
Possible Cause	Heating film temperature 23 short circuit to ground
检查项目	加热膜温度 23 采样线
Check Items	Heating film temperature 23 sampling line
可能的影响	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw
Possible Symptom	The power is directly reduced to 0kw under charging conditions, and the power is reduced to 0kw within 90s under discharge conditions
故障诊断码的判断条件	加热膜温度采样对地短路，持续 3000ms
Failure criteria	The heating film temperature sampling is short-circuited to ground, lasting 3000ms
故障治愈条件	加热膜温度采样正常
Healing condition	The heating film temperature sampling is normal
系统反应（降扭或降速等）	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw

故障码 DTC	U0140
故障码描述	BMS 与 BCM 通讯超时
DTC Description	BMS and BCM communication timeout
故障发生的可能原因	BCM 报文丢失
Possible Cause	BCM message is lost
检查项目	BCM 控制器或软件
Check Items	BCM controller or software
可能的影响	BMS 正常运行
Possible Symptom	BMS is operating normally
故障诊断码的判断条件	未收到 BCM 指定报文超过 200ms
Failure criteria	The BCM specified message was not received for more than 200ms
故障治愈条件	收到报文后会自动恢复
Healing condition	The heating film temperature sampling is normal
系统反应（降扭或降速等）	BMS 正常运行

故障码 DTC	P1BD4
故障码描述	加热膜温度 24 对地短路故障
DTC Description	Heating film temperature 24 short to ground fault
故障发生的可能原因	加热膜温度 24 对地短路
Possible Cause	Heating film temperature 24 short circuit to ground
检查项目	加热膜温度 24 采样线
Check Items	Heating film temperature 24 sampling line
可能的影响	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw
Possible Symptom	The power is directly reduced to 0kw under charging conditions, and the power is reduced to 0kw within 90s under discharge conditions
故障诊断码的判断条件	加热膜温度采样对地短路，持续 3000ms
Failure criteria	The heating film temperature sampling is short-circuited to ground, lasting 3000ms
故障治愈条件	加热膜温度采样正常
Healing condition	The heating film temperature sampling is normal
系统反应（降扭或降速等）	充电工况下功率直接降为 0kw，放电工况下 90s 内功率降为 0kw

故障码 DTC	P1DE9
故障码描述	SBC 内部故障
DTC Description	SBC internal fault
故障发生的可能原因	SBC 故障
Possible Cause	SBC failure
检查项目	SBC 故障
Check Items	SBC failure
可能的影响	BMS 正常运行
Possible Symptom	BMS is operating normally
故障诊断码的判断条件	SBC 内部有故障
Failure criteria	SBC internal fault
故障治愈条件	SBC 内部无故障
Healing condition	No fault inside SBC
系统反应（降扭或降速等）	BMS 正常运行

故障码 DTC	U1012
故障码描述	SBC CAN 故障
DTC Description	SBC CAN failure
故障发生的可能原因	SBC 故障
Possible Cause	SBC failure
检查项目	SBC 故障
Check Items	SBC failure
可能的影响	BMS 正常运行
Possible Symptom	BMS is operating normally
故障诊断码的判断条件	SBC 有 CAN 通讯故障
Failure criteria	SBC has CAN communication failure
故障治愈条件	SBC 无 CAN 通讯故障
Healing condition	SBC has no CAN communication failure
系统反应（降扭或降速等）	BMS 正常运行

故障码 **DTC**	U0155
故障码描述	BMS 与 IPK 通讯超时
DTC Description	BMS and IPK communication timeout
故障发生的可能原因	IPK 报文丢失
Possible Cause	IPK packet loss
检查项目	IPK 控制器或软件
Check Items	IPK controller or software
可能的影响	BMS 正常运行
Possible Symptom	BMS is operating normally
故障诊断码的判断条件	未收到 IPK 指定报文超过 400ms
Failure criteria	The IPK specified message is not received for more than 400ms
故障治愈条件	收到报文后会自动恢复
Healing condition	It will automatically recover after receiving the message
系统反应（降扭或降速等）	BMS 正常运行

故障码 **DTC**	P1B05
故障码描述	预留
DTC Description	Reserved

故障码 DTC	P1B06
故障码描述	预留
DTC Description	Reserved

故障码 DTC	U0151
故障码描述	BMS 与 SRS 通讯超时
DTC Description	BMS and SRS communication timeout
故障发生的可能原因	SRS 报文丢失
Possible Cause	SRS packet loss
检查项目	SRS 控制器或软件
Check Items	SRS controller or software
可能的影响	BMS 正常运行
Possible Symptom	BMS is operating normally
故障诊断码的判断条件	未收到 SRS 指定报文超过 400ms
Failure criteria	The SRS specified message is not received for more than 400ms
故障治愈条件	收到报文后会自动恢复
Healing condition	It will automatically recover after receiving the message
系统反应（降扭或降速等）	BMS 正常运行

故障码 DTC	P1B07
故障码描述	预留
DTC Description	Reserved

故障码 DTC	P1B08
故障码描述	预留
DTC Description	Reserved

故障码 DTC	P0AE4
故障码描述	法规预留
DTC Description	Regulatory reservation

故障码 DTC	U016B
故障码描述	BMS 与 HCM 通讯超时
DTC Description	BMS and HCM communication timeout
故障发生的可能原因	HCM 报文丢失
Possible Cause	HCM packet loss
检查项目	HCM 控制器或软件
Check Items	HCM controller or software
可能的影响	BMS 正常运行
Possible Symptom	BMS is operating normally
故障诊断码的判断条件	未收到 HCM 指定报文超过 2000ms
Failure criteria	The HCM specified message was not received for more than 2000ms
故障治愈条件	收到报文后会自动恢复
Healing condition	It will automatically recover after receiving the message
系统反应（降扭或降速等）	BMS 正常运行

故障码 **DTC**	P1B0E
故障码描述	预留
DTC Description	Reserved

故障码 **DTC**	U0121
故障码描述	BMS 与 ESC 通讯超时
DTC Description	BMS and ESC communication timeout
故障发生的可能原因	ESC 报文丢失
Possible Cause	ESC message is lost
检查项目	ESC 控制器或软件
Check Items	ESC controller or software
可能的影响	BMS 正常运行
Possible Symptom	BMS is operating normally
故障诊断码的判断条件	未收到 ESC 指定报文超过 250ms
Failure criteria	The ESC specified message was not received for more than 250ms
故障治愈条件	收到报文后会自动恢复
Healing condition	It will automatically recover after receiving the message
系统反应（降扭或降速等）	BMS 正常运行

故障码 DTC	P1B11
故障码描述	预留
DTC Description	Reserved

故障码 DTC	P1B12
故障码描述	预留
DTC Description	Reserved

故障码 DTC	P1B18
故障码描述	预留
DTC Description	Reserved

故障码 DTC	P1B3C
故障码描述	系统供电硬件回路故障
DTC Description	System power supply hardware loop failure
故障发生的可能原因	上拉电源常开常闭
Possible Cause	Pull-up power supply normally open normally closed
检查项目	更换 BMU
Check Items	Replace BMU
可能的影响	功率降为 0kw
Possible Symptom	Power drops to 0kw
故障诊断码的判断条件	上拉电源常开常闭
Failure criteria	Pull-up power supply normally open normally closed
故障治愈条件	上拉电源常开常闭
Healing condition	Pull-up power supply normally open normally closed
系统反应（降扭或降速等）	功率降为 0kw

故障码 DTC	U008A
故障码描述	BMS 与 TBox 通讯超时
DTC Description	System power supply hardware loop failure
故障发生的可能原因	TBox 报文丢失
Possible Cause	TBox packet loss
检查项目	TBox 控制器或软件
Check Items	TBox controller or software
可能的影响	BMS 正常运行
Possible Symptom	BMS is operating normally
故障诊断码的判断条件	未收到 TBox 指定报文超过 10000ms
Failure criteria	The TBox specified message is not received for more than 10000ms
故障治愈条件	收到报文后会自动恢复
Healing condition	It will automatically recover after receiving the message
系统反应（降扭或降速等）	BMS 正常运行

故障码 DTC	P1B1B
故障码描述	预留
DTC Description	Reserved

故障码 DTC	P1B1E
故障码描述	预留
DTC Description	Reserved

故障码 DTC	P1B21
故障码描述	预留
DTC Description	Reserved

故障码 DTC	U008B
故障码描述	BPTC 的 2C9 中 CheckSumErr 信号
DTC Description	Checksumerr signal in 2C9 of BPTC
可能的影响	BMS 正常运行
Possible Symptom	BMS is operating normally
系统反应（降扭或降速等）	BMS 正常运行

故障码 DTC	P1B26
故障码描述	预留
DTC Description	Reserved

故障码 DTC	P1B29
故障码描述	预留
DTC Description	Reserved

故障码 DTC	U008C
故障码描述	BCM 的 281 中 CheckSumErr 信号
DTC Description	Checksumerr signal in 281 of BCM
可能的影响	BMS 正常运行
Possible Symptom	BMS is operating normally
系统反应（降扭或降速等）	BMS 正常运行

故障码 DTC	P1B30
故障码描述	预留
DTC Description	Reserved

故障码 DTC	U008D
故障码描述	ABS 的 23C 中 CheckSumErr 信号
DTC Description	Checksumerr signal in 23C of ABS
可能的影响	BMS 正常运行
Possible Symptom	BMS is operating normally
系统反应（降扭或降速等）	BMS 正常运行

故障码 **DTC**	P1B33
故障码描述	预留
DTC Description	Reserved

故障码 **DTC**	U008E
故障码描述	PEU 的 18B 中 CheckSumErr 信号
DTC Description	Checksumerr signal in 18B of PEU
可能的影响	BMS 正常运行
Possible Symptom	BMS is operating normally
系统反应（降扭或降速等）	BMS 正常运行

故障码 DTC	P1F05
故障码描述	预留
DTC Description	Reserved

故障码 DTC	P1F06
故障码描述	预留
DTC Description	Reserved

故障码 **DTC**	P1F07
故障码描述	预留
DTC Description	Reserved

故障码 **DTC**	U008F
故障码描述	SRS 的 163 中 CheckSumErr 信号
DTC Description	Checksumerr signal in 163 of SRS
可能的影响	BMS 正常运行
Possible Symptom	BMS is operating normally
系统反应（降扭或降速等）	BMS 正常运行

故障码 DTC	P1F08
故障码描述	预留
DTC Description	Reserved

故障码 DTC	P1F09
故障码描述	预留
DTC Description	Reserved

故障码 DTC	P1F0A
故障码描述	预留
DTC Description	Reserved

故障码 DTC	P1F0C
故障码描述	预留
DTC Description	Reserved

故障码 DTC	P1B3D
故障码描述	预留
DTC Description	Reserved

故障码 DTC	P1B3E
故障码描述	预留
DTC Description	Reserved

故障码 DTC	P1B3F
故障码描述	预留
DTC Description	Reserved

故障码 DTC	P1DEB
故障码描述	预留
DTC Description	Reserved

故障码 DTC	U0090
故障码描述	VCU 的 1E3 中 CheckSumErr 信号
DTC Description	Checksumerr signal in 1E3 of VCU
可能的影响	BMS 正常运行
Possible Symptom	BMS is operating normally
系统反应（降扭或降速等）	BMS 正常运行

故障码 DTC	P1DEC
故障码描述	预留
DTC Description	Reserved

故障码 DTC	P1DED
故障码描述	预留
DTC Description	Reserved

故障码 DTC	P0AA6
故障码描述	预留
DTC Description	Reserved

故障码 DTC	P0AA7
故障码描述	预留
DTC Description	Reserved

故障码 DTC	P1B41
故障码描述	预留
DTC Description	Reserved

故障码 DTC	P1B42
故障码描述	预留
DTC Description	Reserved

故障码 DTC	U0091
故障码描述	BPTCTimeout 故障
DTC Description	BPTC Timeout Failure
故障发生的可能原因	BPTC 报文丢失
Possible Cause	BPTC packet loss
检查项目	BPTC 控制器或软件
Check Items	BPTC controller or software
可能的影响	BMS 正常运行
Possible Symptom	BMS is operating normally
故障诊断码的判断条件	未收到 TBox 指定报文超过 10000ms
Failure criteria	The TBox specified message is not received for more than 10000ms
故障治愈条件	收到报文后会自动恢复
Healing condition	It will automatically recover after receiving the message
系统反应（降扭或降速等）	BMS 正常运行

故障码 DTC	P1C10
故障码描述	预留
DTC Description	Reserved

故障码 DTC	P1A10
故障码描述	预留
DTC Description	Reserved

故障码 DTC	P1C12
故障码描述	预留
DTC Description	Reserved

故障码 DTC	P1C13
故障码描述	预留
DTC Description	Reserved

故障码 DTC	P1A11
故障码描述	预留
DTC Description	Reserved

故障码 DTC	P0A07
故障码描述	预留
DTC Description	Reserved

故障码 DTC	P0A06
故障码描述	预留
DTC Description	Reserved

故障码 DTC	P0A05
故障码描述	预留
DTC Description	Reserved

故障码 DTC	U0092
故障码描述	BMS 与 FICM 通讯超时
DTC Description	BMS and FICM communication timeout
故障发生的可能原因	FICM 报文丢失
Possible Cause	FICM packet loss
检查项目	BMS 正常运行
Check Items	BMS is operating normally
可能的影响	FICM 控制器或软件
Possible Symptom	FICM controller or software
故障诊断码的判断条件	未收到 TBox 指定报文超过 10000ms
Failure criteria	The TBox specified message is not received for more than 10000ms
故障治愈条件	收到报文后会自动恢复
Healing condition	It will automatically recover after receiving the message
系统反应（降扭或降速等）	BMS 正常运行

故障码 DTC	U0093
故障码描述	BMS 与 EMS 通讯超时
DTC Description	BMS and EMS communication timeout
故障发生的可能原因	EMS 报文丢失
Possible Cause	EMS message is lost
检查项目	BMS 正常运行
Check Items	BMS is operating normally
可能的影响	EMS 控制器或软件
Possible Symptom	EMS controller or software
故障诊断码的判断条件	未收到 TBox 指定报文超过 10000ms
Failure criteria	The TBox specified message is not received for more than 10000ms
故障治愈条件	收到报文后会自动恢复
Healing condition	It will automatically recover after receiving the message
系统反应（降扭或降速等）	BMS 正常运行

故障码 DTC	P0AFB
故障码描述	预留
DTC Description	Reserved

故障码 DTC	P0AFA
故障码描述	预留
DTC Description	Reserved

故障码 DTC	P1B51
故障码描述	预留
DTC Description	Reserved

故障码 DTC	P1B01
故障码描述	系统 KL30 异常断电
DTC Description	System KL30 is abnormally powered off
可能的影响	BMS 正常运行
Possible Symptom	BMS is operating normally
故障诊断码的判断条件	15 电情况下蓄电池正负极被拔
Failure criteria	15 The positive and negative poles of the battery are unplugged under power
故障治愈条件	整车下电休眠
Healing condition	Sleep when the whole vehicle is powered off
系统反应（降扭或降速等）	仅记录故障码，无系统反应

故障码 **DTC**	U0094
故障码描述	BMS 与 ATC 通讯超时
DTC Description	BMS and ATC communication timeout
故障发生的可能原因	ATC 报文丢失
Possible Cause	ATC message is lost
检查项目	ATC 控制器或软件
Check Items	ATC controller or software
可能的影响	BMS 正常运行
Possible Symptom	BMS is operating normally
故障诊断码的判断条件	未收到 TBox 指定报文超过 10000ms
Failure criteria	The TBox specified message was not received for more than 10000ms
故障治愈条件	收到报文后会自动恢复
Healing condition	It will automatically recover after receiving the message
系统反应（降扭或降速等）	BMS 正常运行

故障码 **DTC**	P1B54
故障码描述	预留
DTC Description	Reserved

故障码 DTC	P1B55
故障码描述	预留
DTC Description	Reserved

故障码 DTC	P1B56
故障码描述	预留
DTC Description	Reserved

故障码 DTC	P1B57
故障码描述	预留
DTC Description	Reserved

故障码 DTC	P1B58
故障码描述	预留
DTC Description	Reserved

故障码 DTC	P1B59
故障码描述	预留
DTC Description	Reserved

故障码 DTC	P1B5B
故障码描述	预留
DTC Description	Reserved

故障码 DTC	U0085
故障码描述	预留
DTC Description	Reserved

故障码 DTC	P0DE7
故障码描述	单体电压高 1 级故障
DTC Description	Single cell voltage high level 1 fault
故障发生的可能原因	过充
Possible Cause	Overcharge
检查项目	测量单体电压
Check Items	Measure cell voltage
可能的影响	BMS 正常运行
Possible Symptom	BMS is operating normally
故障诊断码的判断条件	cell volt ＞ 4.29V，持续 2s 后发出故障
Failure criteria	cell volt ＞ 4.29V, failure occurs after 2s
故障治愈条件	cell volt ＜ 4.19V
Healing condition	cell volt ＜ 4.19V
系统反应（降扭或降速等）	BMS 正常运行

故障码 DTC	P1B64
故障码描述	预留
DTC Description	Reserved

故障码 DTC	P0DE7
故障码描述	单体电压高 2 级故障
DTC Description	Single cell voltage high level 2 fault
故障发生的可能原因	过充
Possible Cause	Overcharge
检查项目	测量单体电压
Check Items	Measure cell voltage
可能的影响	功率限一半
Possible Symptom	Half power limit
故障诊断码的判断条件	cell volt ＞ 4.34V，持续 2s 后发出故障
Failure criteria	cell volt ＞ 4.34V, failure occurs after 2s
故障治愈条件	cell volt ＜ 4.24V
Healing condition	cell volt ＜ 4.24V
系统反应（降扭或降速等）	功率限一半

故障码 DTC	P0DE7
故障码描述	单体电压高 3 级故障
DTC Description	Single cell voltage high level 3 fault
故障发生的可能原因	过充
Possible Cause	Overcharge
检查项目	测量单体电压
Check Items	Measure cell voltage
可能的影响	充电工况下功率直接降为 0kw，放电工况下 BMS 限功率至 10kw
Possible Symptom	The power is directly reduced to 0kw under charging conditions, and the power limit of BMS is limited to 10kw under discharge conditions
故障诊断码的判断条件	cell volt ＞ 4.37V，持续 2s 后发出故障
Failure criteria	cell volt ＞ 4.37V, failure occurs after 2s
故障治愈条件	cell volt ＜ 4.27V
Healing condition	cell volt ＜ 4.27V
系统反应（降扭或降速等）	充电工况下功率直接降为 0kw，放电工况下 BMS 限功率至 10kw

故障码 DTC	P0DE6
故障码描述	单体电压低 1 级故障
DTC Description	Single cell voltage low level 1 fault
故障发生的可能原因	过功率导致欠压告警
Possible Cause	Overpower causes undervoltage alarm
检查项目	测量单体电压
Check Items	Measure cell voltage
可能的影响	BMS 正常运行
Possible Symptom	BMS is operating normally
故障诊断码的判断条件	cell volt ＜ 2.8V，持续 2s 后发出故障
Failure criteria	cell volt ＜ 2.8V, failure occurs after 2s
故障治愈条件	cell volt ＞ 2.9V
Healing condition	cell volt ＞ 2.9V
系统反应（降扭或降速等）	BMS 正常运行

故障码 DTC	P0DE6
故障码描述	单体电压低 2 级故障
DTC Description	Low single cell voltage level 2 fault
故障发生的可能原因	过功率导致欠压告警
Possible Cause	Overpower causes undervoltage alarm
检查项目	测量单体电压
Check Items	Measure cell voltage
可能的影响	充电工况下 BMS 正常运行，放电工况下功率限一半
Possible Symptom	The BMS operates normally under charging conditions, and the power limit is half under discharge conditions
故障诊断码的判断条件	cell volt ＜ 2.75V，持续 2s 后发出故障
Failure criteria	cell volt ＜ 2.75V, failure occurs after 2s
故障治愈条件	cell volt ＞ 2.85V
Healing condition	cell volt ＞ 2.85V
系统反应（降扭或降速等）	功率限一半

故障码 DTC	P0DE6
故障码描述	单体电压低 3 级故障
DTC Description	Low single cell voltage level 3 fault
故障发生的可能原因	过功率导致欠压告警
Possible Cause	Overpower causes undervoltage alarm
检查项目	测量单体电压
Check Items	Measure cell voltage
可能的影响	充电工况下 BMS 正常运行，放电工况下 90s 内功率降为 0kw
Possible Symptom	The BMS operates normally under charging conditions, and the power drops to 0kw within 90s under discharge conditions
故障诊断码的判断条件	cell volt ＜ 2.7V，持续 2s 后发出故障
Failure criteria	cell volt ＜ 2.7V, failure after 2s
故障治愈条件	cell volt ＞ 2.8V
Healing condition	cell volt ＞ 2.8V
系统反应（降扭或降速等）	充电工况下 BMS 正常运行，放电工况下 90s 内功率降为 0kw

故障码 DTC	P1E00
故障码描述	单体压差大 1 级故障
DTC Description	Single cell differential pressure level 1 fault
故障发生的可能原因	单体压差大
Possible Cause	Large monomer pressure difference
检查项目	测量单体电压
Check Items	Measure cell voltage
可能的影响	BMS 正常运行
Possible Symptom	BMS is operating normally
故障诊断码的判断条件	压差＞ 60mV，持续 2s 后发出故障
Failure criteria	Pressure difference> 60mV, failure will occur after 2s
故障治愈条件	压差＜ 0mV
Healing condition	Pressure difference ＜ 0mV
系统反应（降扭或降速等）	BMS 正常运行

故障码 DTC	P1E00
故障码描述	单体压差大 2 级故障
DTC Description	Single cell differential pressure 2 level fault
故障发生的可能原因	单体压差大
Possible Cause	Large monomer pressure difference
检查项目	测量单体电压
Check Items	Measure cell voltage
可能的影响	功率限一半
Possible Symptom	Half power limit
故障诊断码的判断条件	压差＞ 100mV，持续 2s 后发出故障
Failure criteria	Pressure difference> 100mV, failure will occur after 2s
故障治愈条件	压差＜ 40mV
Healing condition	Differential pressure ＜ 40mV
系统反应（降扭或降速等）	功率限一半

故障码 DTC	P1E00
故障码描述	单体压差大 3 级故障
DTC Description	Single cell differential pressure level 3 fault
故障发生的可能原因	单体压差大
Possible Cause	Large monomer pressure difference
检查项目	测量单体电压
Check Items	Measure cell voltage
可能的影响	功率限一半
Possible Symptom	Half power limit
故障诊断码的判断条件	压差＞ 200mV，持续 2s 后发出故障
Failure criteria	Pressure difference> 200mV, failure occurs after 2s
故障治愈条件	压差＜ 140mV
Healing condition	Differential pressure ＜ 140mV
系统反应（降扭或降速等）	功率限一半

故障码 DTC	P1B02
故障码描述	系统看门狗复位
DTC Description	System watchdog reset
检查项目	做好记录告诉主机厂
Check Items	Make a record and tell the OEM
可能的影响	BMS 正常运行
Possible Symptom	BMS is operating normally
系统反应（降扭或降速等）	仅记录故障码，无系统反应

故障码 DTC	P1E01
故障码描述	单体温度高 1 级故障
DTC Description	Single cell temperature is high level 1 fault
检查项目	测量单体温度
Check Items	Measure monomer temperature
可能的影响	BMS 正常运行
Possible Symptom	BMS is operating normally
故障诊断码的判断条件	cell temp ＞ 50 ℃，持续 2s 后发出故障
Failure criteria	cell temp ＞ 50 ℃ , failure occurs after 2s
故障治愈条件	cell temp ＜ 46 ℃
Healing condition	cell temp ＜ 46 ℃
系统反应（降扭或降速等)	BMS 正常运行

故障码 DTC	P1E01
故障码描述	单体温度高 2 级故障
DTC Description	Single cell temperature high level 2 fault
检查项目	测量单体温度
Check Items	Measure monomer temperature
可能的影响	功率限一半
Possible Symptom	Half power limit
故障诊断码的判断条件	cell temp ＞ 55 ℃，持续 2s 后发出故障
Failure criteria	cell temp ＞ 55 ℃ , failure occurs after 2s
故障治愈条件	cell temp ＜ 51 ℃
Healing condition	cell temp ＜ 51 ℃
系统反应（降扭或降速等)	功率限一半

故障码 DTC	P1E01
故障码描述	单体温度高 3 级故障
DTC Description	Single cell temperature high level 3 fault
故障发生的可能原因	环境温度低
Possible Cause	Low ambient temperature
检查项目	测量单体温度
Check Items	Measure monomer temperature
可能的影响	充电工况下功率直接降为 0kw，放电工况下 90s 内限功率至 0kw
Possible Symptom	The power is directly reduced to 0kw under charging conditions, and the power is limited to 0kw within 90s under discharge conditions
故障诊断码的判断条件	cell temp ＞ 60 ℃，持续 2s 后发出故障
Failure criteria	cell temp ＞ 60 ℃ , failure occurs after 2s
故障治愈条件	cell temp ＜ 56 ℃
Healing condition	cell temp ＜ 56 ℃
系统反应（降扭或降速等)	充电工况下功率直接降为 0kw，放电工况下 90s 内限功率至 0kw

故障码 DTC	P1E02
故障码描述	单体温度低 1 级故障
DTC Description	Single cell temperature low level 1 fault
检查项目	测量单体温度
Check Items	Measure monomer temperature
可能的影响	BMS 正常运行
Possible Symptom	BMS is operating normally
故障诊断码的判断条件	cell temp ＜ -20 ℃，持续 2s 后发出故障
Failure criteria	cell temp ＜ -20 ℃ , failure occurs after 2s
故障治愈条件	cell temp ＞ -16 ℃
Healing condition	cell temp ＞ -16 ℃
系统反应（降扭或降速等)	BMS 正常运行

故障码 DTC	P1BD6
故障码描述	预留
DTC Description	Reserved

故障码 DTC	P1BD8
故障码描述	预留
DTC Description	Reserved

故障码 DTC	P1BDA
故障码描述	预留
DTC Description	Reserved

故障码 DTC	P1BDC
故障码描述	预留
DTC Description	Reserved

故障码 DTC	P1E02
故障码描述	单体温度低 2 级故障
DTC Description	Low temperature of unit 2
故障发生的可能原因	环境温度低
Possible Cause	Low ambient temperature
检查项目	测量单体温度
Check Items	Measure the temperature of the monomer
可能的影响	BMS 正常运行
Possible Symptom	BMS is operating normally
故障诊断码的判断条件	cell temp ＜ -25 ℃，持续 2s 后发出故障
Failure criteria	cell temp ＜ -25 ℃ , failure occurs after 2s
故障治愈条件	cell temp ＞ -21 ℃
Healing condition	cell temp ＞ -21 ℃
系统反应（降扭或降速等）	BMS 正常运行

故障码 DTC	P1BDE
故障码描述	预留
DTC Description	Reserved

故障码 DTC	P1BE0
故障码描述	预留
DTC Description	Reserved

故障码 DTC	P1BE2
故障码描述	预留
DTC Description	Reserved

故障码 DTC	P1BE4
故障码描述	预留
DTC Description	Reserved

故障码 DTC	P1BE6
故障码描述	预留
DTC Description	Reserved

故障码 DTC	P1E02
故障码描述	单体温度低 3 级故障
DTC Description	Low temperature of unit 3
故障发生的可能原因	环境温度低
Possible Cause	Low ambient temperature
检查项目	测量单体温度
Check Items	Measure monomer temperature
可能的影响	BMS 正常运行
Possible Symptom	BMS is operating normally
故障诊断码的判断条件	cell temp ＜ -30 ℃，持续 2s 后发出故障
Failure criteria	cell temp ＜ -30 ℃ , failure occurs after 2s
故障治愈条件	cell temp ＞ -2 ℃
Healing condition	cell temp ＞ -2 ℃
系统反应（降扭或降速等)	BMS 正常运行

故障码 DTC	P1BE8
故障码描述	预留
DTC Description	Reserved

故障码 DTC	P1BEA
故障码描述	预留
DTC Description	Reserved

故障码 DTC	P1BEC
故障码描述	预留
DTC Description	Reserved

故障码 DTC	P1BEE
故障码描述	预留
DTC Description	Reserved

故障码 DTC	P1BF0
故障码描述	预留
DTC Description	Reserved

故障码 DTC	P1E03
故障码描述	单体温差大 1 级故障
DTC Description	Single cell temperature difference is large
故障发生的可能原因	单体温差大
Possible Cause	Large temperature difference of monomer
检查项目	测量单体温度
Check Items	Measure the temperature of the monomer
可能的影响	BMS 正常运行
Possible Symptom	BMS is operating normally
故障诊断码的判断条件	温差＞ 10 ℃，持续 2s 后发出故障
Failure criteria	Temperature difference> 10 ℃ , failure will occur after 2s
故障治愈条件	温差＜ 6 ℃
Healing condition	Temperature difference ＜ 6 ℃
系统反应（降扭或降速等)	BMS 正常运行

故障码 DTC	P1BF2
故障码描述	预留
DTC Description	Reserved

故障码 DTC	P1BF4
故障码描述	预留
DTC Description	Reserved

故障码 DTC	P1BF6
故障码描述	预留
DTC Description	Reserved

故障码 DTC	P1BF8
故障码描述	预留
DTC Description	Reserved

故障码 DTC	P1BFA
故障码描述	预留
DTC Description	Reserved

故障码 DTC	P1E03
故障码描述	单体温差大 2 级故障
DTC Description	Single cell temperature difference 2 level fault
故障发生的可能原因	单体温差大
Possible Cause	Large temperature difference of monomer
检查项目	测量单体温度
Check Items	Measure monomer temperature
可能的影响	功率限一半
Possible Symptom	Half power limit
故障诊断码的判断条件	温差＞ 15 ℃，持续 2s 后发出故障
Failure criteria	Temperature difference> 15 ℃ , failure will occur after 2s
故障治愈条件	温差＜ 11 ℃
Healing condition	Temperature difference ＜ 11 ℃
系统反应（降扭或降速等)	功率限一半

故障码 DTC	P1BFC
故障码描述	预留
DTC Description	Reserved

故障码 DTC	P1BFE
故障码描述	预留
DTC Description	Reserved

故障码 DTC	P1D00
故障码描述	预留
DTC Description	Reserved

故障码 DTC	P1D02
故障码描述	预留
DTC Description	Reserved

故障码 DTC	P1D04
故障码描述	预留
DTC Description	Reserved

故障码 DTC	P1E03
故障码描述	单体温差大 3 级故障
DTC Description	Single cell temperature difference is large
故障发生的可能原因	单体温差大
Possible Cause	Large temperature difference of monomer
检查项目	测量单体温度
Check Items	Measure monomer temperature
可能的影响	功率限一半
Possible Symptom	Half power limit
故障诊断码的判断条件	温差＞ 20 ℃，持续 2s 后发出故障
Failure criteria	Temperature difference> 20 ℃ , failure will occur after 2s
故障治愈条件	温差＜ 16 ℃
Healing condition	Temperature difference ＜ 16 ℃
系统反应（降扭或降速等)	功率限一半

故障码 DTC	P1D06
故障码描述	预留
DTC Description	Reserved

故障码 DTC	P1D08
故障码描述	预留
DTC Description	Reserved

故障码 DTC	P1D0A
故障码描述	预留
DTC Description	Reserved

故障码 DTC	P1D0C
故障码描述	预留
DTC Description	Reserved

故障码 DTC	P1D0E
故障码描述	预留
DTC Description	Reserved

故障码 DTC	P1B04
故障码描述	CMU 参数配置失败
DTC Description	CMU parameter configuration failed
故障发生的可能原因	CMU 内部故障
Possible Cause	CMU internal failure
检查项目	排查 BMS 底层
Check Items	Check the bottom layer of BMS
可能的影响	90s 内限功率至 0kw
Possible Symptom	Power limit within 90s to 0kw
故障诊断码的判断条件	CMU 重新初始化状态为初始化失败或初始化过程中，并持续 5s
Failure criteria	CMU reinitialization status is initialization failure or initialization process, and lasts for 5s
故障治愈条件	CMU 重新初始化成功
Healing condition	CMU reinitialized successfully
系统反应（降扭或降速等）	90s 内限功率至 0kw

故障码 DTC	P1D10
故障码描述	预留
DTC Description	Reserved

故障码 DTC	P1D12
故障码描述	预留
DTC Description	Reserved

故障码 DTC	P1D14
故障码描述	预留
DTC Description	Reserved

故障码 DTC	P1D16
故障码描述	预留
DTC Description	Reserved

故障码 DTC	P1D18
故障码描述	预留
DTC Description	Reserved

故障码 DTC	P0C30
故障码描述	SOC 高 Warining 故障
DTC Description	SOC high Warining failure
检查项目	仪表 SOC 值
Check Items	Instrument SOC value
可能的影响	BMS 正常运行
Possible Symptom	BMS is operating normally
故障诊断码的判断条件	SOC>106%，持续 3S 后报出故障
Failure criteria	SOC>106%, report failure after 3S
故障治愈条件	SOC<104%
Healing condition	SOC<104%
系统反应（降扭或降速等）	仅记录故障码，无系统反应

故障码 DTC	P1B5A
故障码描述	NVM 内部故障
DTC Description	NVM internal failure
检查项目	排查 BMS 底层
Check Items	Check the bottom layer of BMS
可能的影响	BMS 正常运行
Possible Symptom	BMS is operating normally
故障诊断码的判断条件	任意存储数据无效
Failure criteria	Any stored data is invalid
故障治愈条件	所有存储数据有效
Healing condition	All stored data is valid
系统反应（降扭或降速等）	BMS 正常运行

故障码 DTC	P1D1A
故障码描述	预留
DTC Description	Reserved

故障码 DTC	P1D1C
故障码描述	预留
DTC Description	Reserved

故障码 DTC	P1D1E
故障码描述	预留
DTC Description	Reserved

故障码 DTC	P1D20
故障码描述	预留
DTC Description	Reserved

故障码 DTC	P1D22
故障码描述	预留
DTC Description	Reserved

故障码 DTC	P1B5C
故障码描述	充电连接指示灯对地短路故障
DTC Description	Charging connection indicator short circuit to ground
故障发生的可能原因	充电连接指示灯对地短路
Possible Cause	Charging connection indicator is shorted to ground
检查项目	充电指示灯硬线
Check Items	Hard wire for charging indicator
可能的影响	BMS 正常运行
Possible Symptom	BMS is operating normally
故障诊断码的判断条件	充电连接指示灯对地短路，持续 200ms 后发出故障
Failure criteria	The charging connection indicator is short-circuited to the ground, and it fails after 200ms
故障治愈条件	硬线故障清除
Healing condition	Hard wire fault clearing
系统反应（降扭或降速等）	BMS 正常运行

故障码 DTC	P1D24
故障码描述	预留
DTC Description	Reserved

故障码 DTC	P1D26
故障码描述	预留
DTC Description	Reserved

故障码 DTC	P1D28
故障码描述	预留
DTC Description	Reserved

故障码 DTC	P1D2A
故障码描述	预留
DTC Description	Reserved

故障码 DTC	P1D2C
故障码描述	预留
DTC Description	Reserved

故障码 DTC	P1B5D
故障码描述	充电连接指示灯对电源短路故障
DTC Description	Charging connection indicator is shorted to power supply
故障发生的可能原因	充电连接指示灯对电源短路
Possible Cause	The charging connection indicator is shorted to the power supply
检查项目	充电指示灯硬线
Check Items	Hard wire for charging indicator
可能的影响	BMS 正常运行
Possible Symptom	BMS is operating normally
故障诊断码的判断条件	充电连接指示灯对电源短路，持续 200ms 后发出故障
Failure criteria	The charging connection indicator is short-circuited to the power supply, and it fails after 200ms
故障治愈条件	硬线故障清除
Healing condition	Hard wire fault clearing
系统反应（降扭或降速等）	BMS 正常运行

故障码 DTC	P1D2E
故障码描述	预留
DTC Description	Reserved

故障码 DTC	P1D30
故障码描述	预留
DTC Description	Reserved

故障码 DTC	P1D32
故障码描述	预留
DTC Description	Reserved

故障码 DTC	P1D34
故障码描述	预留
DTC Description	Reserved

故障码 DTC	P1D36
故障码描述	预留
DTC Description	Reserved

故障码 DTC	P1B5E
故障码描述	正在充电指示灯对地短路故障
DTC Description	Charging indicator is shorted to ground
故障发生的可能原因	正在充电指示灯对地短路
Possible Cause	The charging indicator is shorted to ground
检查项目	正在充电指示灯硬线
Check Items	Hard wire charging indicator
可能的影响	BMS 正常运行
Possible Symptom	BMS is operating normally
故障诊断码的判断条件	正在充电指示灯对地短路，持续 200ms 后发出故障
Failure criteria	The charging indicator is short-circuited to ground, and a fault occurs after 200ms
故障治愈条件	硬线故障清除
Healing condition	Hard wire fault clearing
系统反应（降扭或降速等）	BMS 正常运行

故障码 DTC	P1D38
故障码描述	预留
DTC Description	Reserved

故障码 DTC	P1D3A
故障码描述	预留
DTC Description	Reserved

故障码 DTC	P1D3C
故障码描述	预留
DTC Description	Reserved

故障码 DTC	P1D3E
故障码描述	预留
DTC Description	Reserved

故障码 DTC	P1D40
故障码描述	预留
DTC Description	Reserved

故障码 DTC	P1B5F
故障码描述	正在充电指示灯对电源短路故障
DTC Description	Charging indicator is shorted to power supply
故障发生的可能原因	正在充电指示灯对电源短路
Possible Cause	The charging indicator is shorted to the power supply
检查项目	正在充电指示灯硬线
Check Items	Hard wire charging indicator
可能的影响	BMS 正常运行
Possible Symptom	BMS is operating normally
故障诊断码的判断条件	正在充电指示灯对电源短路，持续 200ms 后发出故障
Failure criteria	The charging indicator is short-circuited to the power supply, and it fails after 200ms
故障治愈条件	硬线故障清除
Healing condition	Hard wire fault clearing
系统反应（降扭或降速等）	BMS 正常运行

故障码 DTC	P1D42
故障码描述	预留
DTC Description	Reserved

故障码 DTC	P1D44
故障码描述	预留
DTC Description	Reserved

故障码 DTC	P0AAF
故障码描述	预留
DTC Description	Reserved

故障码 DTC	P0AC8
故障码描述	预留
DTC Description	Reserved

故障码 DTC	P0D94
故障码描述	电子锁异常
DTC Description	Electronic lock exception
故障发生的可能原因	枪锁卡住
Possible Cause	Gun lock stuck
检查项目	电子锁硬件
Check Items	Electronic lock hardware
可能的影响	BMS 正常运行
Possible Symptom	BMS is operating normally
故障诊断码的判断条件	电子锁动作 3 次以上后无法解锁或无法锁止
Failure criteria	The electronic lock cannot be unlocked or locked after operating more than 3 times
故障治愈条件	电子锁能解锁 & 锁止
Healing condition	Electronic lock can be unlocked & locked
系统反应（降扭或降速等)	BMS 正常运行

故障码 DTC	P0ACB
故障码描述	CMU1-Temp3 合理性故障
DTC Description	CMU1-Temp3 reasonable fault

故障码 DTC	P0ACD
故障码描述	预留
DTC Description	Reserved

故障码 DTC	P0AEB
故障码描述	预留
DTC Description	Reserved

故障码 DTC	P0D93
故障码描述	电子锁对电源短路
DTC Description	Electronic lock shorts the power supply
故障发生的可能原因	电子锁对电源短路
Possible Cause	Electronic lock short circuit to power supply
检查项目	电子锁硬件
Check Items	Electronic lock hardware
可能的影响	BMS 正常运行
Possible Symptom	BMS is operating normally
故障诊断码的判断条件	电子锁对电源短路，持续 500ms 后发出故障
Failure criteria	The electronic lock is short-circuited to the power supply, and it fails after 500ms
故障治愈条件	硬线故障清除
Healing condition	Hard wire fault clearing
系统反应（降扭或降速等）	BMS 正常运行

故障码 DTC	P1D4B
故障码描述	预留
DTC Description	Reserved

故障码 DTC	P1D4F
故障码描述	预留
DTC Description	Reserved

故障码 DTC	P1D53
故障码描述	预留
DTC Description	Reserved

故障码 DTC	P0D92
故障码描述	电子锁对地短路
DTC Description	Electronic lock short to ground
故障发生的可能原因	电子锁对地短路
Possible Cause	Electronic lock shorted to ground
检查项目	电子锁硬件
Check Items	Electronic lock hardware
可能的影响	BMS 正常运行
Possible Symptom	BMS is operating normally
故障诊断码的判断条件	电子锁对地短路，持续 500ms 后发出故障
Failure criteria	The electronic lock is short-circuited to the ground, and a fault occurs after 500ms
故障治愈条件	硬线故障清除
Healing condition	Hard wire fault clearing
系统反应（降扭或降速等）	BMS 正常运行

故障码 DTC	P1D55
故障码描述	CMU2-Temp3 合理性故障
DTC Description	CMU2-Temp3 reasonable fault

故障码 DTC	P1D57
故障码描述	预留
DTC Description	Reserved

故障码 DTC	P1D5B
故障码描述	预留
DTC Description	Reserved

故障码 DTC	P0D91
故障码描述	电子锁驱动开路
DTC Description	Electronic lock drive open circuit
故障发生的可能原因	电子锁驱动开路
Possible Cause	Electronic lock drive open circuit
检查项目	电子锁硬件
Check Items	Electronic lock hardware
可能的影响	BMS 正常运行
Possible Symptom	BMS is operating normally
故障诊断码的判断条件	电子锁驱动开路，持续 200ms 后发出故障
Failure criteria	The electronic lock drive is open, and a fault occurs after 200ms
故障治愈条件	硬线故障清除
Healing condition	Hard wire fault clearing
系统反应（降扭或降速等）	BMS 正常运行

故障码 DTC	P1D5F
故障码描述	预留
DTC Description	Reserved

故障码 DTC	P1D63
故障码描述	预留
DTC Description	Reserved

故障码 DTC	P1D67
故障码描述	预留
DTC Description	Reserved

故障码 DTC	P0CE3
故障码描述	冷却阀驱动对电源短路
DTC Description	Cooling valve drive shorts the power supply
故障发生的可能原因	冷却阀驱动对电源短路
Possible Cause	The cooling valve drive is shorted to the power supply
检查项目	冷却阀硬件
Check Items	Cooling valve hardware
可能的影响	功率限一半
Possible Symptom	Half power limit
故障诊断码的判断条件	冷却阀驱动对电源短路，持续 150ms 后发出故障
Failure criteria	The cooling valve drive is short-circuited to the power supply, and it fails after 150ms
故障治愈条件	硬线故障清除
Healing condition	Hard wire fault clearing
系统反应（降扭或降速等）	功率限一半

故障码 DTC	P1D6B
故障码描述	预留
DTC Description	Reserved

故障码 DTC	P1D6F
故障码描述	预留
DTC Description	Reserved

故障码 DTC	P0C30
故障码描述	SOC 高 Alarm 故障
DTC Description	SOC high Alarm failure
故障发生的可能原因	
Possible Cause	
检查项目	仪表 SOC 值
Check Items	Instrument SOC value
可能的影响	BMS 正常运行
Possible Symptom	BMS is operating normally
故障诊断码的判断条件	SOC>111%，持续 3S 后报出故障
Failure criteria	SOC>111%, report failure after 3S
故障治愈条件	SOC<109%
Healing condition	SOC<109%
系统反应（降扭或降速等）	仅记录故障码，无系统反应

故障码 DTC	P0CE2
故障码描述	冷却阀驱动对地短路
DTC Description	Cooling valve drive shorted to ground
故障发生的可能原因	冷却阀驱动对电源短路
Possible Cause	The cooling valve drive is shorted to the power supply
检查项目	冷却阀硬件
Check Items	Cooling valve hardware
可能的影响	功率限一半
Possible Symptom	Half power limit
故障诊断码的判断条件	冷却阀驱动对地短路，持续 150ms 后发出故障
Failure criteria	The cooling valve drive is short-circuited to the ground, and it fails after 150ms
故障治愈条件	硬线故障清除
Healing condition	Hard wire fault clearing
系统反应（降扭或降速等）	功率限一半

故障码 DTC	P1D73
故障码描述	预留
DTC Description	Reserved

故障码 DTC	P1D77
故障码描述	预留
DTC Description	Reserved

故障码 DTC	P1D7B
故障码描述	预留
DTC Description	Reserved

故障码 DTC	P1B39
故障码描述	CMU 供电驱动对电源短路
DTC Description	CMU power supply drive shorts the power supply
故障发生的可能原因	冷却阀驱动对地短路
Possible Cause	The cooling valve drive is shorted to ground
检查项目	CMU 硬件
Check Items	CMU hardware
可能的影响	功率限一半
Possible Symptom	Half power limit
故障诊断码的判断条件	CMU 供电驱动对电源短路，持续 150ms 后发出故障
Failure criteria	The CMU power supply driver is short-circuited to the power supply, and a fault occurs after 150ms
故障治愈条件	硬线故障清除
Healing condition	Hard wire fault clearing
系统反应（降扭或降速等）	功率限一半

故障码 DTC	P1D7F
故障码描述	预留
DTC Description	Reserved

故障码 DTC	P1D83
故障码描述	预留
DTC Description	Reserved

故障码 DTC	P1B3A
故障码描述	CMU 供电驱动对地短路或开路
DTC Description	CMU power supply drive short to ground or open circuit
故障发生的可能原因	CMU 供电驱动对电源短路
Possible Cause	CMU power supply driver is shorted to the power supply
检查项目	CMU 硬件
Check Items	CMU hardware
可能的影响	功率限一半
Possible Symptom	Half power limit
故障诊断码的判断条件	CMU 供电驱动对地短路或开路，持续 150ms 后发出故障
Failure criteria	The CMU power supply drive is short-circuited or open-circuited to the ground, and a fault occurs after 150ms
故障治愈条件	硬线故障清除
Healing condition	Hard wire fault clearing
系统反应（降扭或降速等）	功率限一半

故障码 DTC	P1D87
故障码描述	预留
DTC Description	Reserved

故障码 DTC	P1D8B
故障码描述	预留
DTC Description	Reserved

故障码 DTC	P1D8F
故障码描述	预留
DTC Description	Reserved

故障码 DTC	P1B4A
故障码描述	水泵控制信号断线故障
DTC Description	Pump control signal disconnection failure
故障发生的可能原因	CMU 供电驱动对地短路或开路
Possible Cause	CMU power supply drive short circuit or open circuit to ground
检查项目	水泵
Check Items	Water pump
可能的影响	功率限一半
Possible Symptom	Half power limit
故障诊断码的判断条件	水泵控制信号断线故障，持续 20s 后发出故障
Failure criteria	The water pump control signal is disconnected and the fault will be issued after 20s.
故障治愈条件	PWM 占空比不为 0
Healing condition	PWM duty cycle is not 0
系统反应（降扭或降速等）	功率限一半

故障码 DTC	P1D93
故障码描述	预留
DTC Description	Reserved

故障码 DTC	P1D97
故障码描述	预留
DTC Description	Reserved

故障码 DTC	P1B4B
故障码描述	水泵供电故障
DTC Description	Pump power failure
故障发生的可能原因	水泵控制信号断线
Possible Cause	Water pump control signal is disconnected
检查项目	水泵
Check Items	Water pump
可能的影响	功率限一半
Possible Symptom	Half power limit
故障诊断码的判断条件	水泵供电故障，持续 800ms 后发出故障
Failure criteria	The power supply of the water pump is faulty, and the fault occurs after 800ms
故障治愈条件	PWM 占空比不为 0
Healing condition	PWM duty cycle is not 0
系统反应（降扭或降速等）	功率限一半

故障码 DTC	P1D9B
故障码描述	预留
DTC Description	Reserved

故障码 DTC	P1D9F
故障码描述	预留
DTC Description	Reserved

故障码 DTC	P1DA3
故障码描述	预留
DTC Description	Reserved

故障码 DTC	P1B4C
故障码描述	水泵过流故障
DTC Description	Pump overcurrent fault
故障发生的可能原因	水泵过流
Possible Cause	Pump overcurrent
检查项目	水泵
Check Items	Water pump
可能的影响	功率限一半
Possible Symptom	Half power limit
故障诊断码的判断条件	水泵过流故障，持续 1.3s 后发出故障
Failure criteria	Water pump over-current failure, the failure occurs after 1.3s
故障治愈条件	PWM 占空比不为 0
Healing condition	PWM duty cycle is not 0
系统反应（降扭或降速等）	功率限一半

故障码 DTC	P1DA7
故障码描述	预留
DTC Description	Reserved

故障码 DTC	P1DAB
故障码描述	预留
DTC Description	Reserved

故障码 DTC	P1B4D
故障码描述	水泵干转故障
DTC Description	Pump dry run failure
故障发生的可能原因	水泵干转
Possible Cause	Pump dry run
检查项目	水泵
Check Items	Water pump
可能的影响	功率限一半
Possible Symptom	Half power limit
故障诊断码的判断条件	水泵干转故障，持续 800ms 后发出故障
Failure criteria	The water pump has a dry-running failure, and the failure occurs after 800ms
故障治愈条件	PWM 占空比不为 0
Healing condition	PWM duty cycle is not 0
系统反应（降扭或降速等）	功率限一半

故障码 DTC	P1DAF
故障码描述	预留
DTC Description	Reserved

故障码 DTC	P1DB3
故障码描述	预留
DTC Description	Reserved

故障码 DTC	P1DB7
故障码描述	预留
DTC Description	Reserved

故障码 DTC	P1B4E
故障码描述	水泵堵转故障
DTC Description	Pump stalling failure
故障发生的可能原因	水泵堵转
Possible Cause	Pump stalling
检查项目	水泵
Check Items	Water pump
可能的影响	功率限一半
Possible Symptom	Half power limit
故障诊断码的判断条件	水泵堵转故障，持续 1.3s 后发出故障
Failure criteria	The water pump is blocked and the fault occurs after 1.3s.
故障治愈条件	PWM 占空比不为 0
Healing condition	PWM duty cycle is not 0
系统反应（降扭或降速等）	功率限一半

故障码 DTC	P1DBB
故障码描述	预留
DTC Description	Reserved

故障码 DTC	P1DBF
故障码描述	预留
DTC Description	Reserved

故障码 DTC	P1B4F
故障码描述	水泵过温故障
DTC Description	Pump over temperature fault
故障发生的可能原因	水泵过温
Possible Cause	Pump over temperature
检查项目	水泵
Check Items	Water pump
可能的影响	功率限一半
Possible Symptom	Half power limit
故障诊断码的判断条件	水泵过温故障，持续 1.8s 后发出故障
Failure criteria	Water pump over-temperature fault, the fault will be issued after 1.8s
故障治愈条件	PWM 占空比不为 0
Healing condition	PWM duty cycle is not 0
系统反应（降扭或降速等）	功率限一半

故障码 DTC	P1DC3
故障码描述	预留
DTC Description	Reserved

故障码 DTC	P1DC7
故障码描述	预留
DTC Description	Reserved

故障码 DTC	P1DCB
故障码描述	预留
DTC Description	Reserved

故障码 DTC	P1B4A
故障码描述	水泵转速过低故障
DTC Description	Pump speed is too low
故障发生的可能原因	水泵转速过低
Possible Cause	Pump speed is too low
检查项目	水泵
Check Items	Water pump
可能的影响	功率限一半
Possible Symptom	Half power limit
故障诊断码的判断条件	水泵转速过低故障，持续 2.3s 后发出故障
Failure criteria	The pump speed is too low fault, and the fault occurs after 2.3s
故障治愈条件	PWM 占空比不为 0
Healing condition	PWM duty cycle is not 0
系统反应（降扭或降速等）	功率限一半

故障码 DTC	P1DCF
故障码描述	预留
DTC Description	Reserved

故障码 DTC	P1DD3
故障码描述	预留
DTC Description	Reserved

PEU-A1 故障码及故障类型描述汇总

Description on the fault code and failure type

故障码 DTC	故障码描述	DTC Description
P0A2B	绕组温度采样异常报警	warning of motor temperature detection
P0A2F	绕组过温故障	motor over temperature
P0A3C	IGBT 过温故障	IGBT over temperature
P0A44	超速故障	motor over speed
P0A5F	A 相输出过流故障	motor phase A over current error
P0A62	B 相输出过流故障	motor phase B over current error
P0AF1	IGBT 温度采样异常报警 （断线 信号合理性）	warning of IGBT temperature detection
P1A10	旋变信号降级报警 （包括信号降级和跟踪丢失）	Warning of resolver signal
P0A3F	旋变信号丢失故障	resolver signal loss
P0BE5	A 相电流采样故障	motor phase A current detection error
P0BE9	B 相电流采样故障	motor phase B current detection error
P0D2E	母线电压采样异常 （只在初次上 KL15 检测，行车过程中报过压、欠压）	VDC detection error
P0C01	相输出电流过流报警	warning of high motor phase current
P1A60	直流母线欠压故障	VDC low error
P0C79	直流母线过压故障	VDC high error
P0563	控制电过压故障	KL30 high error
P0562	控制电欠压故障	KL30 low error
P0C79	直流母线过压报警	waring of VDC high
P1A67	直流母线欠压报警	waring of VDC low
P0A2F	绕组温度过温报警	waring of motor temperature high
P0A3C	IGBT 温度过温报警	warning of IGBT high
P1A80	硬件故障	inverter hardware error
P1A83	驱动故障	inverter driver error
P0A44	转速超速报警	waning of motor over speed
P1AA1	参数读取失败报警 （PI 参数等）	read parameter error
P1AA2	参数设置失败报警	set parameter error
P1AB4	绕组放电超时报警	discharge over time
P1AB5	ECM 状态未知	Ecm status unknown

故障码 DTC	故障码描述	DTC Description
P1AB6	认证失败	Authentication not OK
P1AB7	SIM 无应答	No response from SIM during the challenge period
P1AB8	下线写入配置信息失败	Failed to write EOL Confidential data into EEPROM
P1AB9	ECM 未编程	ECM not programmed
U0073	CAN 总线关闭	CAN bus off
U0111	BMS 节点丢失	BMS message missing
U0293	VCU 节点丢失	VCU message missing
P1AD0	输出欠压保护	Output undervoltage protection
P1AD1	输出过压保护	Output overvoltage protection
P1AD2	输出短路保护 （软件保护）	Output short circuit protection (software protection)
P1AD3	输出过流保护	Output overcurrent protection
P1AD4	输入过压保护 （软件过压	Input overvoltage protection (software overvoltage)
P1AD5	输入欠压保护 （DCUV 3 个输入欠压故障中有一个发生就置位）	Input undervoltage protection (one of the 3 DC input undervoltage faults is set)
P1AD6	输入快速过压保护	Input fast overvoltage protection
P1AD7	输入快速欠压保护	Input fast undervoltage protection
P1ADA	内部 10V 过压	Internal 10V overvoltage
P1ADB	内部 10V 欠压	Internal 10V undervoltage
P1ADC	DC 过温降功率 （根据散热器温度做降功率）	DC over temperature drop power (power down according to heat sink temperature)
P1ADE	DC 输入欠压降功率	DC input undervoltage drop power
P1AE0	散热器过温保护 （T_LDC ）	Radiator over temperature protection (T_LDC)
P1AE1	环境过温保护 （控制板温度）	Environmental over temperature protection (control panel temperature)
P1AE2	直流输入过压硬件保护	DC input overvoltage hardware protection
P1AE3	直流输入欠压硬件保护	DC input undervoltage hardware protection
P1AE4	输出过压硬件保护	Output overvoltage hardware protection
P1AE5	输出欠压硬件保护	Output undervoltage hardware protection
P1AE6	输出过流硬件保护	Output overcurrent hardware protection
U0073	BusOff （CAN 模块上传的信号，硬件置位）	CAN bus off
U0111	BMS CAN 超时	BMS message missing

故障码 DTC	故障码描述	DTC Description
U0155	IPK CAN 超时	IPK CAN timeout
U0294	VCU CAN 超时	VCU CAN timeout

VCU-A1 故障码及故障类型描述汇总

Description on the fault code and failure type

故障码 DTC	故障码描述	DTC Description
P0641	采集的传感器供电电压故障	SensorRefVolt1Err
P0651	采集的传感器供电电压故障	SensorRefVolt2Err
P0563	采集的系统电压过高	LVBattVolt High
P0562	采集的系统电压过低	LVBattVolt Low
P057D	制动踏板位置传感器 STB 故障	BrakePedlSenSB
P057C	制动踏板位置传感器 STG 故障	BrakePedlSenSG
P057A	制动踏板位置传感器开路	BrakePedlSenOC
P0571	制动踏板位置传感器合理性诊断	BrakePedlPlaus
P0558	刹车真空度压力传感器 STB 故障	BrakeVacPrsSenSB
P0557	刹车真空度压力传感器 STG 故障	BrakeVacPrsSenSG
P0555	刹车真空度压力传感器开路	BrakeVacPrsSenOC
P0556	刹车真空度压力传感器合理性诊断	BrakeVacPrsSenPlaus
P258D	刹车真空助力泵继电器 STB 故障	BrakeVacPmp_RelaySB
P258C	刹车真空助力泵继电器 STG 故障	BrakeVacPmp_RelaySG
P258A	刹车真空助力泵继电器开路	BrakeVacPmp_RelayOC
P050F	真空泵系统泄露	Brake_bVacSysLeak
P050F	刹车真空泵警告	Brake_bVacPmpWarn
P2123	加速踏板位置传感器 1STB 故障	AccPPedlSen1SB
P2122	加速踏板位置传感器 1STG 故障	AccPPedlSen1SG
P2120	加速踏板位置传感器 1 开路	AccPPedlSen1OC
P2128	加速踏板位置传感器 2STB 故障	AccPPedlSen2SB
P2127	加速踏板位置传感器 2STG 故障	AccPPedlSen2SG
P2125	加速踏板位置传感器 2 开路	AccPPedlSen2OC
P2138	加速踏板输入信号 1 与加速踏板输入信号 2 不一致	AccPPedl1V2_InConst
P1C00	充电机入水口温度传感器 STB 故障	ChargerTempSenSB
P1C01	充电机入水口温度传感器 STG 故障	ChargerTempSenSG
P1C02	充电机入水口温度传感器开路	ChargerTempSenOC
P1C03	充电机入水口温度传感器输入合理性诊断	ChargerTempSenPlaus

故障码 DTC	故障码描述	DTC Description
P0692	风扇继电器控制端 STB 故障	CoolFAN1_RelaySB
P0691	风扇继电器控制端 STG 故障	CoolFAN1_RelaySG
P0480	风扇继电器控制端开路	CoolFAN1_RelayOC
P0694	风扇继电器控制端 STB 故障	CoolFAN2_RelaySB
P0693	风扇继电器控制端 STG 故障	CoolFAN2_RelaySG
P0481	风扇继电器控制端开路	CoolFAN2_RelayOC
P0696	风扇继电器控制端 STB 故障	CoolFAN3_RelaySB
P0695	风扇继电器控制端 STG 故障	CoolFAN3_RelaySG
P0482	风扇继电器控制端开路	CoolFAN3_RelayOC
P0A07	电机控制器冷却系统水泵输出 STB 故障	WaterPumpRelaySB
P0A06	电机控制器冷却系统水泵输出 STG 故障	WaterPumpRelaySG
P0A05	电机控制器冷却系统水泵输出开路	WaterPumpRelayOC
P1C10	电机控制器冷却系统水泵无水干转	WaPmp_bLTWtrPmpDryRun
P1C11	电机控制器冷却系统水泵堵转	WaPmp_bLTWtrPmpStall_OverCurr
P1C12	电机控制器冷却系统水泵过温	WaPmp_bLTWtrPmpOverT
P1C13	电机控制器冷却系统水泵转速过低	WaPmp_bLTWtrPmpLowSpd
P0687	主继电器控制端 STB 故障	Main Relay SB
P0686	主继电器控制端 STG 故障	Main Relay SG
P0688	主继电器控制端 OPEN	Main Relay OC
P1C20	功率限制	PowerLimit
P1C21	电源关闭	Power Shut Down
P1C22	高压上电失败	HVPowerUpFail
P0EC8	AC 高压继电器控制端 STB 故障	AC Relay SB
P0EC7	AC 高压继电器控制端 STG 故障	AC Relay SG
P0EC6	AC 高压继电器控制端开路	AC Relay OC
U0121	VCU 与 ABS 通信丢失	LostABSMsg
U0151	VCU 与 SRS 通信丢失	LostSRSMsg
U0155	VCU 与 IPK 通信丢失	LostIPKMsg
U0140	VCU 与 BCM 通信丢失	LostBCMMsg
U1112	VCU 与 TBOX 通信丢失	LostTBOXMsg
U0164	VCU 与 HCM 通信丢失	LostHCMMsg
U0298	VCU 与 DCDC 通信丢失	LostDCDCMsg

故障码 DTC	故障码描述	DTC Description
U0291	VCU 与 SCU 通信丢失	LostSCUMsg
U019B	VCU 与 OBC 通信丢失	LostOBCMsg
U0110	VCU 与 PEU 通信丢失	LostPEUMsg
U0111	VCU 与 BMS 通信丢失	LostBMSMsg
U0073	PTCAN 总线关闭	PTCAN_Bus off
U0074	VCAN 总线关闭	VCAN_Bu soff
P1C40	实际扭矩与驾驶员需求扭矩不符	TqReqIn Const
P1CE0		LvDiffErr
P1CE2		ChrgLampSB
P1CE2		ChrgLampSG
P1CE2		ChrgLampOC

DCDC 故障码及故障类型描述汇总

Description on the fault code and failure type

故障码 DTC	DTC Description	故障码描述
P0EA6	Radiator over temperature protection	散热器过温保护
P1AE1	Environment overheat protection	环境过温保护
P0E57	Input overvoltage protection	输入过压保护
P1AD6	Input fast overvoltage protection	输入快速过压保护
P1AE2	DC input overvoltage hardware protection	直流输入过压硬件保护
P0E56	Input undervoltage protection	输入欠压保护
P1AD7	Input fast undervoltage protection	输入快速欠压保护
P1AE3	DC input undervoltage hardware protection	直流输入欠压硬件保护
P1AD1	Output overvoltage protection	输出过压保护
P1AE4	Output overvoltage hardware protection	输出过压硬件保护
P1AD0	Output undervoltage protection	输出欠压保护
P1AE5	Output undervoltage hardware protection	输出欠压硬件保护
P0D33	Output overcurrent protection	输出过流保护
P1AE6	Output overcurrent hardware protection	输出过流硬件保护
P1AD2	Output short circuit protection	输出短路保护
P1ADA	Internal 10V overvoltage	内部 10V 过压
P1ADB	Internal 10V undervoltage	内部 10V 欠压
U0111	BMS CAN timeout	BMS CAN 超时
U0294	VCU CAN timeout	VCU CAN 超时
U0155	IPK CAN timeout	IPK CAN 超时
U0073	CAN bus off	CAN 总线关闭
P1ADC	DC over temperature drop power	DC 过温降功率
P1ADE	DC input undervoltage drop power	DC 输入欠压降功率

DCDC 故障详解

Error -sorting solution

故障码 DTC	P0EA6
DTC Description	Radiator over temperature protection
故障码描述	散热器过温保护
Possible Cause	Abnormal cooling water
故障发生的可能原因	冷却水异常
Check Items	Check whether the cooling water is normal
检查项目	检查冷却水是否正常
Possible Symptom	DCDC shutdown
可能的影响	DCDC 停机
Failure criteria	Temp _HSK> 99
故障诊断码的判断条件	温度 _HSK> 99
healing condition	Automatic recovery, normal operation will resume after the temperature is less than 90 (if the temperature is higher than the derated operating point, it will derate to run)
故障治愈条件	自动恢复，温度 <90 后恢复正常运行（如温度高于降额运行点会降额运行）

故障码 DTC	P1AE1
DTC Description	Environment overheat protection
故障码描述	环境过温保护
Possible Cause	Abnormal cooling water
故障发生的可能原因	冷却水异常
Check Items	Check whether the cooling water is normal
检查项目	检查冷却水是否正常
Possible Symptom	DCDC shutdow
可能的影响	DCDC 停机
Failure criteria	Temp _EN>107
故障诊断码的判断条件	温度 _EN> 107
healing condition	Automatic recovery, normal operation will resume after ambient temperature <90 (if the temperature is higher than the derated operating point, it will derate to run)
故障治愈条件	自动恢复，环境温度 <90 后恢复正常运行 （如温度高于降额运行点会降额运行）

故障码 DTC	P0E57
DTC Description	Input overvoltage protection
故障码描述	输入过压保护
Possible Cause	Battery voltage is too high
故障发生的可能原因	蓄电池电压过高
Check Items	Multimeter to measure battery voltage
检查项目	万用表测量电池电压
Possible Symptom	DCDC shutdown
可能的影响	DCDC 停机
Failure criteria	Voltage >430V 100ms
故障诊断码的判断条件	电压 > 430V 100ms
healing condition	Automatic recovery (normal self-check, input voltage is less than 420V)
故障治愈条件	自动恢复 （自检正常，输入电压小于 420V）

故障码 DTC	P1AD6
DTC Description	Input fast overvoltage protection
故障码描述	输入快速过压保护
Possible Cause	Battery voltage is too high
故障发生的可能原因	蓄电池电压过高
Check Items	Multimeter to measure battery voltage
检查项目	万用表测量电池电压
Possible Symptom	DCDC shutdown
可能的影响	DCDC 停机
Failure criteria	Voltage >490V 50us
故障诊断码的判断条件	电压 > 490V 50us
healing condition	Automatic recovery (the self-check is normal, the input voltage is less than 420V)
故障治愈条件	自动恢复 （自检正常，输入电压小于 420V）

故障码 DTC	P1AE2
DTC Description	DC input overvoltage hardware protection
故障码描述	直流输入过压硬件保护
Possible Cause	Battery voltage is too high
故障发生的可能原因	蓄电池电压过高
Check Items	Multimeter to measure battery voltage
检查项目	万用表测量电池电压
Possible Symptom	DCDC shutdown
可能的影响	DCDC 停机
Failure criteria	Voltage >500V
故障诊断码的判断条件	电压 > 500V
healing condition	Stop and clear the fault when reset; that is, when the DCDC is completely powered off (DCDC enters the SLEEP state, high voltage power off, KL15 power off) and then cleared when wake up
故障治愈条件	停机，复位时消除该故障；即 DCDC 完全掉电 （DCDC 进入 SLEEP 状态，高压下电， KL15 下电）后唤醒时清除

故障码 DTC	P0E56
DTC Description	Input undervoltage protection
故障码描述	输入欠压保护
Possible Cause	Battery voltage is too low
故障发生的可能原因	蓄电池电压过低
Check Items	Multimeter to measure battery voltage
检查项目	万用表测量电池电压
Possible Symptom	DCDC shutdown
可能的影响	DCDC 停机
Failure criteria	Voltage <230V
故障诊断码的判断条件	电压 <230V
healing condition	Automatic recovery (normal self-test, input voltage greater than 240V)
故障治愈条件	自动恢复 (自检正常，输入电压大于 240V)

故障码 DTC	P1AD7
DTC Description	Input fast undervoltage protection
故障码描述	输入快速欠压保护
Possible Cause	Battery voltage is too low
故障发生的可能原因	蓄电池电压过低
Check Items	Multimeter to measure battery voltage
检查项目	万用表测量电池电压
Possible Symptom	DCDC shutdown
可能的影响	DCDC 停机
Failure criteria	<210V
故障诊断码的判断条件	<210V
healing condition	Automatic recovery (normal self-test, input voltage greater than 240V)
故障治愈条件	自动恢复 (自检正常，输入电压大于 240V)

故障码 DTC	P1AE3
DTC Description	DC input undervoltage hardware protection
故障码描述	直流输入欠压硬件保护
Possible Cause	Battery voltage is too low
故障发生的可能原因	蓄电池电压过低
Check Items	Multimeter to measure battery voltage
检查项目	万用表测量电池电压
Possible Symptom	DCDC shutdown
可能的影响	DCDC 停机
Failure criteria	<170V
故障诊断码的判断条件	<170V
healing condition	Stop and clear the fault when reset; that is, when the DCDC is completely powered off (DCDC enters the SLEEP state, high voltage power off, KL15 power off) and then cleared when wake up
故障治愈条件	停机，复位时消除该故障；即 DCDC 完全掉电 （DCDC 进入 SLEEP 状态，高压下电， KL15 下电）后唤醒时清除

故障码 DTC	P1AD1
DTC Description	Output overvoltage protection
故障码描述	输出过压保护
Possible Cause	Battery voltage is too high
故障发生的可能原因	蓄电池电压过高
Check Items	Multimeter to measure battery voltage
检查项目	万用表测量电池电压
Possible Symptom	DCDC shutdown
可能的影响	DCDC 停机
Failure criteria	Voltage> 17V
故障诊断码的判断条件	电压 > 17V
healing condition	Automatic recovery (normal self-check, output voltage is less than 16V)
故障治愈条件	自动恢复 (自检正常，输出电压小于 16V)

故障码 DTC	P1AE4
DTC Description	Output overvoltage hardware protection
故障码描述	输出过压硬件保护
Possible Cause	Battery voltage is too high
故障发生的可能原因	蓄电池电压过高
Check Items	Multimeter to measure battery voltage
检查项目	万用表测量电池电压
Possible Symptom	DCDC shutdown
可能的影响	DCDC 停机
Failure criteria	Voltage> 21V
故障诊断码的判断条件	电压 > 21V
healing condition	Stop and clear the fault when reset; that is, when the DCDC is completely powered off (DCDC enters the SLEEP state, high voltage power off, KL15 power off) and then clears when wake up
故障治愈条件	停机，复位时消除该故障；即 DCDC 完全掉电 （DCDC 进入 SLEEP 状态，高压下电， KL15 下电）后唤醒时清除

故障码 DTC	P1AD0
DTC Description	Output undervoltage protection
故障码描述	输出欠压保护
Possible Cause	Battery voltage is too low
故障发生的可能原因	蓄电池电压过低
Check Items	Multimeter to measure battery voltage
检查项目	万用表测量电池电压
Possible Symptom	DCDC shutdown
可能的影响	DCDC 停机
Failure criteria	Voltage <8V
故障诊断码的判断条件	电压 <8V
healing condition	Automatic recovery (normal self-check, output voltage greater than 9V)
故障治愈条件	自动恢复 (自检正常，输出电压大于 9V)

故障码 DTC	P1AE5
DTC Description	Output undervoltage hardware protection
故障码描述	输出欠压硬件保护
Possible Cause	Battery voltage is too low
故障发生的可能原因	蓄电池电压过低
Check Items	Multimeter to measure battery voltage
检查项目	万用表测量电池电压
Possible Symptom	DCDC shutdown
可能的影响	DCDC 停机
Failure criteria	Voltage <5V
故障诊断码的判断条件	电压 <5V
healing condition	Stop and clear the fault when reset; that is, when the DCDC is completely powered off (DCDC enters the SLEEP state, high voltage power off, KL15 power off) and then cleared when wake up
故障治愈条件	停机，复位时消除该故障；即 DCDC 完全掉电 （DCDC 进入 SLEEP 状态，高压下电， KL15 下电）后唤醒时清除

故障码 DTC	P0D33
DTC Description	Output overcurrent protection
故障码描述	输出过流保护
Possible Cause	Overloaded
故障发生的可能原因	负载过大
Check Items	Check whether the load is normal
检查项目	检查负载是否正常
Possible Symptom	DCDC shutdown
可能的影响	DCDC 停机
Failure criteria	Current >= 220A
故障诊断码的判断条件	电流 > = 220A
healing condition	Automatic recovery, when the output current 5A<Current<220A, the fault is eliminated
故障治愈条件	自动恢复，当输出电流 5A<Current<220A 时，即故障消除

故障码 DTC	P1AE6
DTC Description	Output overcurrent hardware protection
故障码描述	输出过流硬件保护
Possible Cause	Overloaded
故障发生的可能原因	负载过大
Check Items	Check whether the load is normal
检查项目	检查负载是否正常
Possible Symptom	DCDC shutdown
可能的影响	DCDC 停机
Failure criteria	Current >= 260A
故障诊断码的判断条件	电流 > = 260A
healing condition	Stop and clear the fault when reset; that is, when the DCDC is completely powered off (DCDC enters the SLEEP state, high voltage power off, KL15 power off) and then clears when wake up
故障治愈条件	停机，复位时消除该故障；即 DCDC 完全掉电（DCDC 进入 SLEEP 状态，高压下电， KL15 下电）后唤醒时清除

故障码 DTC	P1AD2
DTC Description	Output short circuit protection
故障码描述	输出短路保护
Possible Cause	Short circuit of output line
故障发生的可能原因	输出线路短路
Check Items	Check the output wiring harness
检查项目	检查输出线束
Possible Symptom	DCDC shutdown
可能的影响	DCDC 停机
Failure criteria	Current >= 220A&voltage<6V
故障诊断码的判断条件	电流 > = 220A，电压 <6V
healing condition	After the fault is eliminated, it will automatically recover
故障治愈条件	故障消除后，会自动恢复

故障码 DTC	P1ADA
DTC Description	Internal 10V overvoltage
故障码描述	内部 10V 过压
Possible Cause	Battery voltage is too high
故障发生的可能原因	蓄电池电压过高
Check Items	Multimeter to measure battery voltage
检查项目	万用表测量电池电压
Possible Symptom	DCDC shutdown
可能的影响	DCDC 停机
Failure criteria	Voltage> 16V
故障诊断码的判断条件	电压 > 16V
healing condition	After the fault is eliminated, it will automatically recover
故障治愈条件	故障消除后，会自动恢复

故障码 DTC	P1ADB
DTC Description	Internal 10V undervoltage
故障码描述	内部 10V 欠压
Possible Cause	Battery voltage is too low
故障发生的可能原因	蓄电池电压过低
Check Items	Multimeter to measure battery voltage
检查项目	万用表测量电池电压
Possible Symptom	DCDC shutdown
可能的影响	DCDC 停机
Failure criteria	Voltage <8V
故障诊断码的判断条件	电压 <8V
healing condition	After the fault is eliminated, it will automatically recover
故障治愈条件	故障消除后，会自动恢复

故障码 DTC	U0111
DTC Description	BMS CAN timeout
故障码描述	BMS CAN 超时
Possible Cause	BMS abnormal
故障发生的可能原因	BMS 异常
Check Items	Read CAN data
检查项目	读取 CAN 数据
Possible Symptom	DCDC keeps the previous state
可能的影响	DCDC 保持之前状态
Failure criteria	BusOff failure
故障诊断码的判断条件	总线关闭故障
healing condition	Keep the previous state, it will automatically recover after receiving the message
故障治愈条件	保持之前状态，收到报文后会自动恢复

故障码 DTC	U0294
DTC Description	VCU CAN timeout
故障码描述	VCU CAN 超时
Possible Cause	VCU exception
故障发生的可能原因	VCU 异常
Check Items	Read CAN data
检查项目	读取 CAN 数据
Possible Symptom	DCDC keeps the previous state
可能的影响	DCDC 保持之前状态
Failure criteria	The VCU specified message is not received for more than 5S
故障诊断码的判断条件	VCU 指定的消息收到时间超过 5S
healing condition	It will automatically recover after receiving the message
故障治愈条件	收到报文后会自动恢复

故障码 DTC	U0155
DTC Description	IPK CAN timeout
故障码描述	IPK CAN 超时
Possible Cause	IPK communication is lost
故障发生的可能原因	IPK 通讯丢失
Check Items	Read CAN data
检查项目	读取 CAN 数据
Possible Symptom	DCDC keeps the previous state
可能的影响	DCDC 保持之前状态
Failure criteria	The IPK specified packet is not received for more than 5S
故障诊断码的判断条件	IPK 指定的数据包的接收时间不超过 5S
healing condition	It will automatically recover after receiving the message
故障治愈条件	收到报文后会自动恢复

故障码 DTC	U0073
DTC Description	CAN bus off
故障码描述	CAN 总线关闭
Possible Cause	CAN wire short circuit
故障发生的可能原因	CAN 线短路
Check Items	Check CAN bus
检查项目	检查 CAN 总线
Possible Symptom	DCDC keeps the previous state
可能的影响	DCDC 保持之前状态
Failure criteria	The BMS specified message has not been received for more than 5S
故障诊断码的判断条件	超过 5S 的时间未收到 BMS 指定的消息
healing condition	It will automatically recover after receiving the message
故障治愈条件	收到报文后会自动恢复

故障码 DTC	P1ADC
DTC Description	DC over temperature drop power
故障码描述	DC 过温降功率
Possible Cause	Abnormal cooling water
故障发生的可能原因	冷却水异常
Check Items	Check whether the cooling water is normal
检查项目	检查冷却水是否正常
Possible Symptom	DC reduced power operation
可能的影响	DC 降功率运行
Failure criteria	Temp _HSK> 71
故障诊断码的判断条件	温度 _HSK> 71
healing condition	Automatic recovery, normal operation will resume after temperature <71 (if the temperature is higher than the derated operating point, it will derate to run)
故障治愈条件	自动恢复，温度 <71 后恢复正常运行（如温度高于降额运行点会降额运行）

故障码 DTC	P1ADE
DTC Description	DC input undervoltage drop power
故障码描述	DC 输入欠压降功率
Possible Cause	Low power battery voltage
故障发生的可能原因	动力电池电压低
Check Items	Multimeter to measure battery voltage
检查项目	万用表测量电池电压
Possible Symptom	DC reduced power operation
可能的影响	DC 降功率运行
Failure criteria	Input voltage is less than 270V
故障诊断码的判断条件	输入电压小于 270V
healing condition	Automatic recovery (input voltage is higher than 270V)
故障治愈条件	自动恢复 （输入电压高于 270V）

T-BOX 故障码及故障类型描述汇总

Description on the fault code and failure type

故障码 DTC	DTC Description	故障码描述
B1521	TBOX(Telematics Box) GPS Antenna short to GND fault	TBOX（车载资讯系统盒）GPS 天线短接地面故障
B1521	TBOX(Telematics Box) GPS Antenna short to Battery	TBOX（车载资讯系统盒）GPS 天线短接于电池
B1521	TBOX(Telematics Box) GPS Antenna open fault	TBOX（车载资讯系统盒）GPS 天线开路故障
B1522	GPS Module fault	GPS 模块故障
B1525	TBOX(Telematics Box) GSM Antenna short to Ground	TBOX（车载资讯系统盒）GSM 天线短接地
B1525	TBOX(Telematics Box) GSM Antenna short to Battery	TBOX（车载资讯系统盒）GSM 天线与电池短路
B1525	TBOX(Telematics Box) GSM Antenna open fault	TBOX（车载资讯系统盒）GSM 天线开路故障
B1526	TBOX(Telematics Box) GSM Module fault	TBOX（车载资讯系统盒）GSM 模块故障
B1541	TBOX(Telematics Box) Internal SIM Card Status - Not Present	TBOX（车载资讯系统盒）内部 SIM 卡状态 - 不存在
B1542	TBOX(Telematics Box) Internal SIM Card - Invalid	TBOX（车载资讯系统盒）内部 SIM 卡 - 无效
U1500	VIN Mismatch with BCM(Body Control Management) (or IPK(Instrument Park))	VIN 与 BCM（身体控制管理）或 IPK（仪表盘）不匹配
U1562	Battery Voltage High	电池电压高
U1563	Battery Voltage Low	电池电压低
U2001	ECU EEPROM Error	ECU EEPROM 错误
U0073	Control Module Communication Bus Off (CAN_1/ V_CAN)	控制模块通信总线关闭 (CAN_1 / V_CAN)
U0074	Control Module Communication Bus Off (CAN_2/ PT_CAN)	控制模块通信总线关闭 (CAN_2 / PT_CAN)
U0111	Lost Communication with BMS on CAN2(PT_CAN)	在 CAN2 上与 BMS 失去通信 (PT_CAN)
U0298	Lost Communication With DCDC on CAN2(PT_CAN)	与 CAN2 上的 DCDC 失去通信 (PT_CAN)
U0110	Lost Communication With PEU on CAN2(PT_CAN)	与 CAN2 上的 PEU 失去通信 (PT_CAN)

故障码 DTC	DTC Description	故障码描述
U0294	Lost Communication With VCU on CAN2(PT_CAN)	与 CAN2 上的 VCU 失去通信 (PT_CAN)
U0155	Lost Communication With IPK on CAN1(V_CAN)	在 CAN1 上的 IPK 丢失通信 (V_CAN)
U0121	Lost Communication with ABS on CAN1(V_CAN)	在 CAN1 上与 ABS 失去通信 (V_CAN)
U0131	Lost Communication with EPS on CAN1(V_CAN)	与 CAN1 上的 EPS 失去通信 (V_CAN)
U0245	Lost Communication with FICM on CAN1(V_CAN)	在 CAN1 上的 FICM 失去通信 (V_CAN)
U0164	Lost Communication with HCM on CAN1(V_CAN)	与 CAN1 上的 HCM 失去通信 (V_CAN)
U0290	Lost Communication with VCU on CAN1(V_CAN)	与 CAN1 上的 VCU 失去通信 (V_CAN)
U0151	Lost Communication with SRS on CAN1(V_CAN)	与 CAN1 上的 SRS 失去通信 (V_CAN)
U0140	Lost Communication with BCM on CAN1(V_CAN)	与 CAN1 上的 BCM 失去通信 (V_CAN)

T-BOX 故障详解

Error -sorting solution

故障码 DTC	B1521
DTC Description	TBOX(Telematics Box) GPS Antenna short to GND fault
故障码描述	TBOX(车载资讯系统盒)GPS 天线短接地面故障
故障发生的可能原因	1、 GPS 外接天线异常 2、 GPS 天线接口损坏 3、 LTE 模块异常
检查项目	1 检测 GPS 天线状态
可能的影响	1 车机导航无法定位 2 影响新能源汽车有效里程数
故障诊断码的运行条件	上电
故障诊断码的判断条件	MCU 采到的天线电压小于 300mV 或者 ＞ 500mV
故障治愈条件	插拔 GPS 天线和 TBOX 电源线，一段时间后重新读当前故障码，若还存在，更换天线，如无效，更换 TBOX

故障码 DTC	B1521
DTC Description	TBOX(Telematics Box) GPS Antenna short to Battery
故障码描述	TBOX(车载资讯系统盒)GPS 天线短接于电池
故障发生的可能原因	1、 GPS 外接天线异常 2、 GPS 天线接口损坏 3、 LTE 模块异常
检查项目	1、检测 GPS 天线状态
可能的影响	1 车机导航无法定位 2 影响新能源汽车有效里程数
故障诊断码的运行条件	上电
故障诊断码的判断条件	MCU 的 AD 采样： ANT_CHECK_GNSS1 > 3100mV 且 ANT_CHECK_GNSS2 < 200mV"
故障治愈条件	插拔 GPS 天线和 TBOX 电源线，一段时间后重新读当前故障码，若还存在，更换天线，如无效，更换 TBOX

故障码 DTC	B1521
DTC Description	TBOX(Telematics Box) GPS Antenna open fault
故障码描述	TBOX(车载资讯系统盒)GPS 天线开路故障
故障发生的可能原因	1、 GPS 外接天线异常 2、 GPS 天线接口损坏 3、 LTE 模块异常
检查项目	1、检测 GPS 天线状态
可能的影响	1 车机导航无法定位 2 影响新能源汽车有效里程数
故障诊断码的运行条件	上电
故障诊断码的判断条件	MCU 的 AD 采样： 2299mV < ANT_CHECK_GNSS1 < 2699mV 且 ANT_CHECK_GNSS2 < 200mV"
故障治愈条件	插拔 GPS 天线和 TBOX 电源线，一段时间后重新读当前故障码，若还存在，更换天线，如无效，更换 TBOX

故障码 DTC	B1522
DTC Description	GPS Module fault
故障码描述	GPS 模块故障
故障发生的可能原因	1、 GPS 外接天线异常 2、 GPS 天线接口损坏 3、 LTE 模块异常
检查项目	1、检测 WAN 天线类型 2、检测 WAN 外置天线状态 3、查询 CSQ 值
可能的影响	车机网络不稳定或无网络信号； 无法上传国标信号
故障诊断码的运行条件	上电
故障诊断码的判断条件	系统时间与 Gnss 接收数据的时间差超过 4 秒
故障治愈条件	插拔 GPS 天线和 TBOX 电源线，一段时间后重新读当前故障码，若还存在，更换天线，如无效，更换 TBOX

故障码 DTC	B1525
DTC Description	TBOX(Telematics Box) GSM Antenna short to Ground
故障码描述	TBOX(车载资讯系统盒)GSM 天线短接地
故障发生的可能原因	1、 GSM 外接天线异常 2、 GSM 天线接口损坏 3、天线开关硬件电路异常 4、 LTE 模块异常
检查项目	1、检测 WAN 天线类型 2、检测 WAN 外置天线状态 3、查询 CSQ 值
可能的影响	车机网络不稳定或无网络信号； 无法上传国标信号
故障诊断码的运行条件	上电
故障诊断码的判断条件	MCU 的 AD 采样电压值：[0,200mV)

故障码 DTC	B1525
DTC Description	TBOX(Telematics Box) GSM Antenna open fault
故障码描述	TBOX(车载资讯系统盒)GSM 天线开路故障
故障发生的可能原因	1、 GSM 外接天线异常 2、 GSM 天线接口损坏 3、天线开关硬件电路异常 4、 LTE 模块异常
检查项目	1、检测 WAN 天线类型 2、检测 WAN 外置天线状态 3、查询 CSQ 值
可能的影响	车机网络不稳定或无网络信号； 无法上传国标信号
故障诊断码的运行条件	上电
故障诊断码的判断条件	MCU 的 AD 采样电压值： [1800mV,2200mV)

故障码 DTC	B1525
DTC Description	TBOX(Telematics Box) GSM Antenna short to Battery
故障码描述	TBOX(车载资讯系统盒)GSM 天线与电池短路
故障发生的可能原因	1、 GSM 外接天线异常 2、 GSM 天线接口损坏 3、天线开关硬件电路异常 4、 LTE 模块异常
检查项目	1、检测 WAN 天线类型 2、检测 WAN 外置天线状态 3、查询 CSQ 值
可能的影响	车机网络不稳定或无网络信号； 无法上传国标信号
故障诊断码的运行条件	上电
故障诊断码的判断条件	MCU 的 AD 采样电压值： [3000mV,3300mV)

故障码 DTC	B1526
DTC Description	TBOX(Telematics Box) GSM Module fault
故障码描述	TBOX(车载资讯系统盒)GSM 模块故障
故障发生的可能原因	1、 GSM 外接天线异常 2、 GSM 天线接口损坏 3、天线开关硬件电路异常 4、 LTE 模块异常
检查项目	1、检测 WAN 天线类型 2、检测 WAN 外置天线状态 3、查询 CSQ 值
可能的影响	车机网络不稳定或无网络信号； 无法上传国标信号
故障诊断码的运行条件	上电
故障诊断码的判断条件	连续 5 条 AT 指令不应答，且 WAN 处于波特率自适应状态

故障码 DTC	B1541
DTC Description	TBOX(Telematics Box) Internal SIM Card Status - Not Present
故障码描述	TBOX(车载资讯系统盒) 内部 SIM 卡状态 - 不存在
故障发生的可能原因	1、 SIM IC 焊接不良或者器件损坏 3、 SIM IC 套餐问题
检查项目	读取 ICCID/IMS
可能的影响	无法接打电话、无网络通信、无服务
故障诊断码的运行条件	上电
故障诊断码的判断条件	SIM 卡有问题，更换 TBOX

故障码 DTC	B1542
DTC Description	TBOX(Telematics Box) Internal SIM Card - Invalid
故障码描述	TBOX(车载资讯系统盒) 内部 SIM 卡 - 无效
故障发生的可能原因	1、 SIM IC 焊接不良或者器件损坏 3、 SIM IC 套餐问题
检查项目	读取 ICCID/IMSI
可能的影响	无法接打电话、无网络通信、无服务
故障诊断码的运行条件	上电
故障诊断码的判断条件	SIM 卡有问题，跟换 TBOX

故障码 DTC	U1500
DTC Description	VIN Mismatch with BCM(Body Control Management) (or IPK(Instrument Park))
故障码描述	VIN 与 BCM(身体控制管理) 或 IPK(仪表盘) 不匹配
故障发生的可能原因	VIN 未写入模块
检查项目	诊断读取读取 VIN 号
可能的影响	无法激活，无法上网
故障诊断码的运行条件	上电
故障诊断码的判断条件	EEPROM 的 VIN 码错误或没有值

故障码 DTC	U1562
DTC Description	Battery Voltage High
故障码描述	电池电压高
故障诊断码的运行条件	上电
故障诊断码的判断条件	电池电压高于 16V

故障码 DTC	U1563
DTC Description	Battery Voltage Low
故障码描述	电池电压低
故障诊断码的运行条件	上电
故障诊断码的判断条件	电池电压低于 9V

故障码 DTC	U2001
DTC Description	ECU EEPROM Error
故障码描述	ECU EEPROM 错误
故障发生的可能原因	ECU EEPROM 错误
可能的影响	无法工作
故障诊断码的运行条件	上电
故障诊断码的判断条件	开发使用，一般不会出现在售后

故障码 DTC	U0073
DTC Description	Control Module Communication Bus Off (CAN_1/ V_CAN)
故障码描述	控制模块通信总线关闭 (CAN_1 / V_CAN)
故障发生的可能原因	VCAN 上出现过 BUSOFF
可能的影响	导致 TBOX 重启
故障诊断码的运行条件	上电
故障诊断码的判断条件	检测到总线上有错误帧

故障码 DTC	U0074
DTC Description	Control Module Communication Bus Off (CAN_2/ PT_CAN)
故障码描述	控制模块通信总线关闭 (CAN_2 / PT_CAN)
故障发生的可能原因	PCAN 上出现 BUSOFF
可能的影响	导致 TBOX 重启
故障诊断码的运行条件	上电
故障诊断码的判断条件	检测到总线上有错误帧

故障码 DTC	U0111
DTC Description	Lost Communication with BMS on CAN2(PT_CAN)
故障码描述	在 CAN2 上与 BMS 失去通信 (PT_CAN)
故障发生的可能原因	BMS 节点丢失
可能的影响	长期报文丢失，会导致 TBOX 上传到后天的值出现空值
故障诊断码的运行条件	上电

故障码 DTC	U0298
DTC Description	Lost Communication With DCDC on CAN2(PT_CAN)
故障码描述	与 CAN2 上的 DCDC 失去通信 (PT_CAN)
故障发生的可能原因	DCDC 节点丢失
可能的影响	长期报文丢失，会导致 TBOX 上传到后天的值出现空值
故障诊断码的运行条件	上电

故障码 DTC	U0110
DTC Description	Lost Communication With PEU on CAN2(PT_CAN)
故障码描述	与 CAN2 上的 PEU 失去通信 (PT_CAN)
故障发生的可能原因	PEU 节点丢失
可能的影响	长期报文丢失，会导致 TBOX 上传到后天的值出现空值
故障诊断码的运行条件	上电

故障码 DTC	U0121
DTC Description	Lost Communication with ABS on CAN1(V_CAN)
故障码描述	在 CAN1 上与 ABS 失去通信 (V_CAN)
故障发生的可能原因	ABS 节点丢失
可能的影响	长期报文丢失，会导致 TBOX 上传到后天的值出现空值
故障诊断码的运行条件	上电

故障码 DTC	U0294
DTC Description	Lost Communication With VCU on CAN2(PT_CAN)
故障码描述	与 CAN2 上的 VCU 失去通信 (PT_CAN)
故障发生的可能原因	VCU 节点丢失
可能的影响	长期报文丢失，会导致 TBOX 上传到后天的值出现空值
故障诊断码的运行条件	上电

故障码 DTC	U0131
DTC Description	Lost Communication with EPS on CAN1(V_CAN)
故障码描述	与 CAN1 上的 EPS 失去通信 (V_CAN)
故障发生的可能原因	EPS 节点丢失
可能的影响	长期报文丢失，会导致 TBOX 上传到后天的值出现空值
故障诊断码的运行条件	上电

故障码 DTC	U0155
DTC Description	Lost Communication With IPK on CAN1(V_CAN)
故障码描述	在 CAN1 上的 IPK 丢失通信 (V_CAN)
故障发生的可能原因	IPK 节点丢失
可能的影响	长期报文丢失，会导致 TBOX 上传到后天的值出现空值
故障诊断码的运行条件	上电

故障码 DTC	U0245
DTC Description	Lost Communication with FICM on CAN1(V_CAN)
故障码描述	在 CAN1 上的 FICM 失去通信 (V_CAN)
故障发生的可能原因	FICM 节点丢失
可能的影响	长期报文丢失，会导致 TBOX 上传到后天的值出现空值
故障诊断码的运行条件	上电

故障码 DTC	U0164
DTC Description	Lost Communication with HCM on CAN1(V_CAN)
故障码描述	与 CAN1 上的 HCM 失去通信 (V_CAN)
故障发生的可能原因	HCM 节点丢失
可能的影响	长期报文丢失，会导致 TBOX 上传到后天的值出现空值
故障诊断码的运行条件	上电

故障码 DTC	U0140
DTC Description	Lost Communication with BCM on CAN1(V_CAN)
故障码描述	与 CAN1 上的 BCM 失去通信 (V_CAN)
故障发生的可能原因	BCM 节点丢失
可能的影响	长期报文丢失，会导致 TBOX 上传到后天的值出现空值
故障诊断码的运行条件	上电

故障码 DTC	U0290
DTC Description	Lost Communication with VCU on CAN1(V_CAN)
故障码描述	与 CAN1 上的 VCU 失去通信 (V_CAN)
故障发生的可能原因	VCU 节点丢失
可能的影响	长期报文丢失，会导致 TBOX 上传到后天的值出现空值
故障诊断码的运行条件	上电

故障码 DTC	U0151
DTC Description	Lost Communication with SRS on CAN1(V_CAN)
故障码描述	与 CAN1 上的 SRS 失去通信 (V_CAN)
故障发生的可能原因	SRS 节点丢失
可能的影响	长期报文丢失，会导致 TBOX 上传到后天的值出现空值
故障诊断码的运行条件	上电

CDU 故障码及故障类型描述汇总

Description on the fault code and failure type

故障码 DTC	DTC Description	故障码描述
P0D26	PFC bus voltage is less than the threshold voltage at the end of precharge section	PFC 总线电压低于预充电段末端的阈值电压
P1F00	PFC bus voltage is less than the threshold voltage but start-up timeout	PFC 总线电压低于阈值电压，但启动超时
P0D28	AC input over voltage protection	交流输入过电压保护
P0D27	AC input under voltage protection	交流输入欠压保护
P0D27	PFC bus under voltage protection	PFC 总线欠压保护
P0D28	PFC bus over voltage protection	PFC 总线过电压保护
P1F01	PFC MOS over temperature protection	PFC-MOS 过温保护
P1F02	PFC power frequency IGBT over temperature protection	PFC 工频 IGBT 过温保护
P1F03	LLC MOS over temperature protection in primary side	一次侧 LLC-MOS 过温保护
P1F04	LLC MOS over temperature protection in secondary side	二次侧 LLC-MOS 过温保护
P1F05	Environment over temperature protection	环境超温保护
P1F06	Over temperature protection at liquid sample point 1	液体取样点 1 的超温保护
P1F07	Environment under temperature when charging	充电温度环境
P1F06	Liquid over temperature derating	液体超温降额
P1F08	Environment under temperature derating	温度降额环境
P0562	Voltage of Auxiliary power is less than under voltage protection point	备用电压低于欠压保护点
P1F09	Serial communication lost at mcus inner	MCU 内部串行通信丢失
P1F0A	HVDC output over voltage protection	高压直流输出过电压保护
P1F0B	HVDC output over voltage hardware protection	高压直流输出过电压硬件保护

故障码 DTC	DTC Description	故障码描述
P0D21	HVDC output under voltage hardware protection	高压直流输出欠压硬件保护
P0D21	HVDC output under voltage protection	高压直流输出欠压保护
P0D23	HVDC output short	高压直流输出短路
P1F0C	HVDC output over current hardware protection	高压直流输出过流硬件保护
P1AE5	DCDC input hardware over current protection	DCDC 输入硬件过流保护
P1AE2	DCDC input hardware over voltage protection	DCDC 输入硬件过电压保护
P0E57	DCDC input software over voltage protection	DCDC 输入软件过电压保护
P1AE3	DCDC input software under voltage protection	DCDC 输入软件欠压保护
P1AD1	DCDC output over voltage protection	DCDC 输出过压保护
P1AD0	DCDC output under voltage protection	DCDC 输出欠压保护
P1AD2	DCDC output short protection	DCDC 输出短路保护
P0D33	DCDC output over current protection	DCDC 输出过流保护
P1AE0	DCDC MOS over temperature protection	直流 MOS 过温保护
P1AE1	DCDC synchronous rectifier MOS over temperature protection	直流同步整流 MOS 过温保护
P0EA6	DCDC environment over temperature protection	直流环境超温保护
P1AE6	DCDC environment under temperature protection	DCDC 温度保护环境
P0EA6	DCDC liquid over temperature derating	DCDC 液体超温降额
P1AD0	DCDC output under voltage derating	DCDC 输出欠压降额
P1AE4	Auxiliary power is over load	辅助电源过载
P0562	12V battery over voltage protection	12V 蓄电池过电压保护
P0563	12V battery under voltage protection	12V 蓄电池欠压保护
P0563	Auxiliary 12V under voltage protection	辅助 12V 欠压保护

故障码 DTC	DTC Description	故障码描述
P1AE7	Interlock signal detection loop fault at AC Input Connector	交流输入接头联锁信号检测回路故障
P1AE8	Interlock signal detection loop fault at DC Input Connector	直流输入接头联锁信号检测回路故障
U0111	BMS_598 or BMS_603 CAN Frame Comm Lost	BMS_ 或 BMS_CAN 帧通信丢失
U0111	BMS CAN Frame Data Invalid	BMS CAN 帧数据无效
U0294	VCU CAN Frame Comm Lost	VCU CAN 帧通信丢失
U0294	VCU CAN Frame Data Invalid	VCU CAN 帧数据无效
U0155	IPK CAN Frame Comm Lost	IPK CAN 帧通信丢失
P1F0D	CP Frequency Out Of Range	CP 频率超范围
U0073	Bus off	总线关闭
P1F20	Over voltage of aux	辅助过电压
P1F21	Failure of AUX 12V sample circuit	AUX 12V 采样电路故障
P1F22	Under voltage of DCDC output	DCDC 输出欠压
P1F23	Over voltage of DCDC output	直流输出过电压
P1F24	Failure of DCDC 12V sample circuit	DCDC12V 采样电路故障
P1F25	Over voltage of 2V5Ref	2V5Ref 过电压
P1F26	Under voltage of 2V5Ref	2V5Ref 欠压
P1F27	Failure of 2V5Ref sample circuit	2V5Ref 采样电路故障
P1F28	Failure of Self Safety Test	自我安全测试失败
P1F29	Failure of undervoltage of HV output voltage	高压输出电压欠压故障
P1F2A	Failure of overvoltage of OBCside AUX	OBCside AUX 过电压故障
P0EA6	Failure of overcurrent of AC side of OBC	OBC 交流侧过电流故障
P1AD0	Failure of overcurrent of output of OBC	OBC 输出过电流故障
P0562	Failure of bus voltage difference	总线压差故障
P1F06	BMS 603 invalid data	BMS 603 无效数据
P1F08	VCU 282 invalid data	VCU 282 无效数据
P1AE2	Frequence abnormal of AC input	交流输入频率异常

CDU 故障详解

Error -sorting solution

故障码 **DTC**	P0D26
DTC Description	PFC bus voltage is less than the threshold voltage at the end of precharge section
故障码描述	PFC 总线电压低于预充电段末端的阈值电压
Possible Cause	MOS tube damaged
故障发生的可能原因	MOS 管损坏
Check Items	OBC input resistance
检查项目	OBC 输入端电阻
Possible Symptom	OBC stops power output
可能的影响	OBC 停止功率输出
Failure criteria	At the end of the pre-charging phase, the bus voltage did not reach the peak value of the AC waveform -20V
故障诊断码的判断条件	预充电阶段结束母线电压未达到交流电波形峰值 -20V
healing condition	At the end of the pre-charging phase, the bus voltage did not reach the peak value of the AC waveform -20V
故障治愈条件	母线电压达到交流电波形峰值 -20V

故障码 **DTC**	P1F00
DTC Description	PFC bus voltage is less than the threshold voltage but start-up timeout
故障码描述	PFC 总线电压低于阈值电压，但启动超时
Possible Cause	MOS tube damaged
故障发生的可能原因	MOS 管损坏
Check Items	OBC input resistance
检查项目	OBC 输入端电阻
Possible Symptom	OBC stops power output
可能的影响	OBC 停止功率输出
Failure criteria	PFC start-up RAMP state timeout (climbing state exceeds 5s)
故障诊断码的判断条件	PFC 启机 RAMP 态超时 （爬升态超过 5s）
healing condition	PFC start-up RAMP state timeout (climbing state exceeds 5s)
故障治愈条件	主动关机或被动关机

故障码 DTC	P0D28
DTC Description	AC input over voltage protection
故障码描述	交流输入过电压保护
Possible Cause	Abnormal AC
故障发生的可能原因	交流电异常
Check Items	Check if the communication is normal
检查项目	检查交流是否正常
Possible Symptom	OBC stops power output
可能的影响	OBC 停止功率输出
Failure criteria	The effective value of the input voltage exceeds 275V for 100ms
故障诊断码的判断条件	输入电压有效值超过 275V，持续 100ms
healing condition	The effective value of the input voltage exceeds 275V for 100ms
故障治愈条件	输入电压有效值小于 268V，持续 100ms

故障码 DTC	P0D27
DTC Description	AC input under voltage protection
故障码描述	交流输入欠压保护
Possible Cause	Abnormal AC
故障发生的可能原因	交流电异常
Check Items	Check if the communication is normal
检查项目	检查交流是否正常
Possible Symptom	OBC stops power output
可能的影响	OBC 停止功率输出
Failure criteria	The effective value of the input voltage is less than 75V for 3s
故障诊断码的判断条件	输入电压有效值小于 75V, 持续 3s
healing condition	The effective value of the input voltage is less than 75V for 3s
故障治愈条件	输入电压有效值大于 82V

故障码 DTC	P0D27
DTC Description	PFC bus under voltage protection
故障码描述	PFC 总线欠压保护
Possible Cause	Abnormal AC
故障发生的可能原因	交流电异常
Check Items	Check if the communication is normal
检查项目	检查交流是否正常
Possible Symptom	OBC stops power output
可能的影响	OBC 停止功率输出
Failure criteria	PFC bus voltage is lower than 280V for 200us
故障诊断码的判断条件	PFC 母线电压低于 280V 持续 200us
healing condition	PFC bus voltage is lower than 280V for 200us
故障治愈条件	3s 后自动清除

故障码 DTC	P0D28
DTC Description	PFC bus over voltage protection
故障码描述	PFC 总线过电压保护
Possible Cause	Abnormal AC
故障发生的可能原因	交流电异常
Check Items	Check if the communication is normal
检查项目	检查交流是否正常
Possible Symptom	OBC stops power output
可能的影响	OBC 停止功率输出
Failure criteria	PFC bus voltage is higher than 490V for 200ms
故障诊断码的判断条件	PFC 母线电压高于 490V 持续 200ms
healing condition	PFC bus voltage is higher than 490V for 200ms
故障治愈条件	PFC 母线电压低于 460V 持续 3s

故障码 DTC	P1F01
DTC Description	PFC MOS over temperature protection
故障码描述	PFC-MOS 过温保护
Possible Cause	Abnormal cooling water
故障发生的可能原因	冷却水异常
Check Items	Check whether the cooling water is normal
检查项目	检查冷却水是否正常
Possible Symptom	OBC stops power output
可能的影响	OBC 停止功率输出
Failure criteria	PFC's MOS tube detects temperature greater than 125 degrees
故障诊断码的判断条件	PFC 的 MOS 管检测温度大于 125 度
healing condition	PFC's MOS tube detects temperature greater than 125 degrees
故障治愈条件	PFC 的 MOS 管检测温度小于 120 度

故障码 DTC	P1F02
DTC Description	PFC power frequency IGBT over temperature protection
故障码描述	PFC 工频 IGBT 过温保护
Possible Cause	Abnormal cooling water
故障发生的可能原因	冷却水异常
Check Items	Check whether the cooling water is normal
检查项目	检查冷却水是否正常
Possible Symptom	OBC stops power output
可能的影响	OBC 停止功率输出
Failure criteria	PFC's power frequency tube detection temperature is greater than 125 degrees
故障诊断码的判断条件	PFC 的工频管检测温度大于 125 度
healing condition	PFC's power frequency tube detection temperature is greater than 125 degrees
故障治愈条件	PFC 的工频管检测温度小于 120 度

故障码 DTC	P1F03
DTC Description	LLC MOS over temperature protection in primary side
故障码描述	一次侧 LLC-MOS 过温保护
Possible Cause	Abnormal cooling water
故障发生的可能原因	冷却水异常
Check Items	Check whether the cooling water is normal
检查项目	检查冷却水是否正常
Possible Symptom	OBC stops power output
可能的影响	OBC 停止功率输出
Failure criteria	LLC primary side MOS tube detection temperature is greater than 125 degrees
故障诊断码的判断条件	LLC 原边 MOS 管检测温度大于 125 度
healing condition	LLC primary side MOS tube detection temperature is greater than 125 degrees
故障治愈条件	LLC 原边 MOS 管检测温度小于 120 度

故障码 DTC	P1F04
DTC Description	LLC MOS over temperature protection in secondary side
故障码描述	二次侧 LLC-MOS 过温保护
Possible Cause	Abnormal cooling water
故障发生的可能原因	冷却水异常
Check Items	Check whether the cooling water is normal
检查项目	检查冷却水是否正常
Possible Symptom	OBC stops power output
可能的影响	OBC 停止功率输出
Failure criteria	LLC secondary side MOS tube detection temperature is greater than 125 degrees
故障诊断码的判断条件	LLC 副边 MOS 管检测温度大于 125 度
healing condition	LLC secondary side MOS tube detection temperature is greater than 125 degrees
故障治愈条件	LLC 副边 MOS 管检测温度小于 107 度

故障码 DTC	P1F05
DTC Description	Environment over temperature protection
故障码描述	环境超温保护
Possible Cause	Abnormal cooling water
故障发生的可能原因	冷却水异常
Check Items	Check whether the cooling water is normal
检查项目	检查冷却水是否正常
Possible Symptom	OBC stops power output
可能的影响	OBC 停止功率输出
Failure criteria	Ambient temperature detection temperature is greater than 110 degrees
故障诊断码的判断条件	环温检测温度大于 110 度
healing condition	Ambient temperature detection temperature is greater than 110 degrees
故障治愈条件	环温检测温度小于 100 度

故障码 DTC	P1F06
DTC Description	Over temperature protection at liquid sample point 1
故障码描述	液体取样点 1 的超温保护
Possible Cause	Abnormal cooling water
故障发生的可能原因	冷却水异常
Check Items	Check whether the cooling water is normal
检查项目	检查冷却水是否正常
Possible Symptom	OBC stops power output
可能的影响	OBC 停止功率输出
Failure criteria	Water inlet detection temperature>85 ℃
故障诊断码的判断条件	入水口检测温度＞ 85 ℃
healing condition	Water inlet detection temperature>85 ℃
故障治愈条件	入水口检测温度＜ 75 ℃， OBC 自动恢复工作

故障码 DTC	P1F07
DTC Description	Environment under temperature when charging
故障码描述	充电温度环境
Possible Cause	Abnormal cooling water
故障发生的可能原因	冷却水异常
Check Items	Check whether the cooling water is normal
检查项目	检查冷却水是否正常
Possible Symptom	OBC stops power output
可能的影响	OBC 停止功率输出
Failure criteria	The ambient temperature is less than minus 45 degrees
故障诊断码的判断条件	环境温度小于负 45 度
healing condition	The ambient temperature is less than minus 45 degrees
故障治愈条件	环境温度大于负 40 度

故障码 DTC	P1F08
DTC Description	Environment under temperature derating
故障码描述	温度降额环境
Possible Cause	VCU_282 CAN frame data out of range
故障发生的可能原因	VCU_282 CAN 帧数据超范围
Check Items	Read CAN data
检查项目	读取 CAN 数据
Possible Symptom	no effect
可能的影响	无影响
Failure criteria	VCU request voltage exceeds 9-15V
故障诊断码的判断条件	VCU 请求电压超出 9-15V
healing condition	VCU request voltage exceeds 9-15V
故障治愈条件	接收到 VCU 正确报文即恢复

故障码 DTC	P0562
DTC Description	Voltage of Auxiliary power is less than under voltage protection point
故障码描述	备用电压低于欠压保护点
Possible Cause	Abnormal AC power or damaged parts
故障发生的可能原因	AC 电异常或零件损坏
Check Items	Check the charging pile or replace parts
检查项目	检查充电桩或更换零件
Possible Symptom	OBC stops power output
可能的影响	OBC 停止功率输出
Failure criteria	The sampling difference between the two busbar voltages is greater than 100V and lasts for more than 5s
故障诊断码的判断条件	两路母线电压采样差值大于 100V 持续超过 5s
healing condition	The sampling difference between the two busbar voltages is greater than 100V and lasts for more than 5s
故障治愈条件	两路母线电压采样差值小于 10V 持续 3s 自动恢复

故障码 DTC	P1F09
DTC Description	Serial communication lost at mcus inner
故障码描述	MCU 内部串行通信丢失
Possible Cause	Damaged parts
故障发生的可能原因	零件损坏
Check Items	Dismantling analysis
检查项目	拆解分析
Possible Symptom	OBC stops power output
可能的影响	OBC 停止功率输出
Failure criteria	Communication timeout, timeout time is 1s
故障诊断码的判断条件	通信超时，超时时间 1s
healing condition	Communication timeout, timeout time is 1s
故障治愈条件	接收到原边数据即恢复

故障码 DTC	P1F0A
DTC Description	HVDC output over voltage protection
故障码描述	高压直流输出过电压保护
Possible Cause	Power battery voltage is too high
故障发生的可能原因	动力电池电压过高
Check Items	Multimeter to measure battery voltage
检查项目	万用表测量电池电压
Possible Symptom	OBC stops power output
可能的影响	OBC 停止功率输出
Failure criteria	1. The output voltage is greater than 430V for more than 500ms or 2. The output voltage is greater than 460V for more than 500ms
故障诊断码的判断条件	1. 输出电压大于 430V 持续超过 500ms 或者 2. 输出电压大于 460V 持续超过 500ms
healing condition	1. The output voltage is greater than 430V for more than 500ms or 2. The output voltage is greater than 460V for more than 500ms
故障治愈条件	1. 输出电压小于 420V 持续 3s 或者 2. 输出电压小于 450V 且无触发硬件过压持续 3s

故障码 DTC	P1F0B
DTC Description	HVDC output over voltage hardware protection
故障码描述	高压直流输出过电压硬件保护
Possible Cause	Power battery voltage is too high
故障发生的可能原因	动力电池电压过高
Check Items	Multimeter to measure battery voltage
检查项目	万用表测量电池电压
Possible Symptom	OBC stops power output
可能的影响	OBC 停止功率输出
Failure criteria	The output overvoltage protection point is 460V ± 5V, lasting 250ms
故障诊断码的判断条件	输出过压保护点为 460V ± 5V，持续 250ms
healing condition	The output overvoltage protection point is 460V ± 5V, lasting 250ms
故障治愈条件	445V-440V 持续 3s 恢复

故障码 DTC	P0D21
DTC Description	HVDC output under voltage hardware protection
故障码描述	高压直流输出欠压硬件保护
Possible Cause	Sampling circuit failure
故障发生的可能原因	采样电路失效
Check Items	Dismantling analysis
检查项目	拆解分析
Possible Symptom	OBC stops power output
可能的影响	OBC 停止功率输出
Failure criteria	The difference between 12V two-channel acquisition is greater than 2V for 100ms
故障诊断码的判断条件	12V 两路采集相差大于 2V 持续 100ms
healing condition	The difference between 12V two-channel acquisition is greater than 2V for 100ms
故障治愈条件	12V 两路采集相差小于 1V 保持 200ms 恢复

故障码 DTC	P0D21
DTC Description	HVDC output under voltage protection
故障码描述	高压直流输出欠压保护
Possible Cause	Power battery voltage is too low
故障发生的可能原因	动力电池电压过低
Check Items	Multimeter to measure battery voltage
检查项目	万用表测量电池电压
Possible Symptom	OBC stops power output
可能的影响	OBC 停止功率输出
Failure criteria	"The first stage: CLLC enters the RUN state and is not in the low temperature slow-start state, and the output voltage is less than 230V for more than 3s;or The second stage: CLLC enters the RUN state and is not in the low temperature slow-start state, and the output voltage is less than 200V for more than 700ms;"
故障诊断码的判断条件	第一段：CLLC 进入 RUN 态且非低温缓起状态，输出电压小于 230V 持续超过 3s ；或者 第二段：CLLC 进入 RUN 态且非低温缓起状态，输出电压小于 200V 持续超过 700ms ；
healing condition	The first stage: CLLC enters the RUN state and is not in the low temperature slow-start state, and the output voltage is less than 230V for more than 3s; or The second stage: CLLC enters the RUN state and is not in the low temperature slow-start state, and the output voltage is less than 200V for more than 700ms;"
故障治愈条件	关闭发波后 3s 自动恢复

故障码 DTC	P0D23
DTC Description	HVDC output short
故障码描述	高压直流输出短路
Possible Cause	High voltage wiring harness short circuit
故障发生的可能原因	高压线束短路
Check Items	Check the high voltage output wiring harness
检查项目	检查高压输出线束
Possible Symptom	OBC stops power output
可能的影响	OBC 停止功率输出
Failure criteria	The output voltage is less than 80V and continues to exceed 20us
故障诊断码的判断条件	输出电压小于 80V 持续超过 20us
healing condition	The output voltage is less than 80V and continues to exceed 20us
故障治愈条件	关闭发波后 3s 自动恢复

故障码 DTC	P1F0C
DTC Description	HVDC output over current hardware protection
故障码描述	高压直流输出过流硬件保护
Possible Cause	High voltage wiring harness short circuit
故障发生的可能原因	高压线束短路
Check Items	Check the high voltage output wiring harness
检查项目	检查高压输出线束
Possible Symptom	OBC stops power output
可能的影响	OBC 停止功率输出
Failure criteria	When the instantaneous current of the resonant cavity exceeds 50A, a sealing wave will be triggered, and 1000 times of sealing wave will be continuously generated within 3s to generate hardware overcurrent
故障诊断码的判断条件	谐振腔瞬间电流超过 50A 触发一次封波， 3s 内持续产生 1000 次封波产生硬件过流
healing condition	When the instantaneous current of the resonant cavity exceeds 50A, a sealing wave will be triggered, and 1000 times of sealing wave will be continuously generated within 3s to generate hardware overcurrent
故障治愈条件	关闭发波后 3s 自动恢复

故障码 DTC	P1AE5
DTC Description	DCDC input hardware over current protection
故障码描述	DCDC 输入硬件过流保护
Possible Cause	Load is too high
故障发生的可能原因	负载过高
Check Items	Check whether the load is normal
检查项目	检查负载是否正常
Possible Symptom	DCDC stop power output
可能的影响	DCDC 停止功率输出
Failure criteria	Primary side input current>30A lasting 250ns
故障诊断码的判断条件	原边输入电流 >30A 持续 250ns
healing condition	Primary side input current>30A lasting 250ns
故障治愈条件	3s 后关机自动恢复

故障码 DTC	P1AE2
DTC Description	DCDC input hardware over voltage protection
故障码描述	DCDC 输入硬件过电压保护
Possible Cause	AC grid frequency is abnormal
故障发生的可能原因	AC 电网频率异常
Check Items	Multimeter measures the frequency of power grids
检查项目	万用表测量电网品频率
Possible Symptom	OBC stops power output
可能的影响	OBC 停止功率输出
Failure criteria	Input AC, voltage is greater than 42Vac and frequency exceeds the range of 45~65Hz, and lasts for 3s
故障诊断码的判断条件	输入交流、电压大于 42Vac 且频率超出 45~65Hz 范围，并持续 3s
healing condition	nput AC, voltage is greater than 42Vac and frequency exceeds the range of 45~65Hz, and lasts for 3s
故障治愈条件	l47Hz ≤ f ≤ 63Hz，持续 3s

故障码 DTC	P0E57
DTC Description	DCDC input software over voltage protection
故障码描述	DCDC 输入软件过电压保护
Possible Cause	Power battery voltage is too high
故障发生的可能原因	动力电池电压过高
Check Items	Multimeter to measure battery voltage
检查项目	万用表测量电池电压
Possible Symptom	DCDC stop power output
可能的影响	DCDC 停止功率输出
Failure criteria	Input voltage>430V, lasting 200ms
故障诊断码的判断条件	输入电压 >430V，持续 200ms
healing condition	Input voltage>430V, lasting 200ms
故障治愈条件	输入电压 <420V

故障码 DTC	P1AE3
DTC Description	DCDC input software under voltage protection
故障码描述	DCDC 输入软件欠压保护
Possible Cause	Power battery voltage is too low
故障发生的可能原因	动力电池电压过低
Check Items	Multimeter to measure battery voltage
检查项目	万用表测量电池电压
Possible Symptom	DCDC stop power output
可能的影响	DCDC 停止功率输出
Failure criteria	Input voltage <195V, lasting 200ms
故障诊断码的判断条件	输入电压 <195V，持续 200ms
healing condition	Input voltage <195V, lasting 200ms
故障治愈条件	输入电压 >210V，且持续 1s

故障码 DTC	P1AD1
DTC Description	DCDC output over voltage protection
故障码描述	DCDC 输出过压保护
Possible Cause	Battery voltage is too high
故障发生的可能原因	蓄电池电压过高
Check Items	Multimeter to measure battery voltage
检查项目	万用表测量电池电压
Possible Symptom	DCDC stop power output
可能的影响	DCDC 停止功率输出
Failure criteria	Output voltage sampling>17.3V, lasting 500ms
故障诊断码的判断条件	输出电压采样 >17.3V, 持续 500ms
healing condition	Output voltage sampling>17.3V, lasting 500ms
故障治愈条件	输出电压采样 <16V，持续 3s

故障码 DTC	P1AD0
DTC Description	DCDC output under voltage protection
故障码描述	DCDC 输出欠压保护
Possible Cause	Battery voltage is too low
故障发生的可能原因	蓄电池电压过低
Check Items	Multimeter to measure battery voltage
检查项目	万用表测量电池电压
Possible Symptom	DCDC stop power output
可能的影响	DCDC 停止功率输出
Failure criteria	Power-on state, output voltage sampling <8V, lasting 3s
故障诊断码的判断条件	开机状态，输出电压采样 <8V, 持续 3s
healing condition	Power-on state, output voltage sampling <8V, lasting 3s
故障治愈条件	3s 后关机自动恢复

故障码 DTC	P1AD2
DTC Description	DCDC output short protection
故障码描述	DCDC 输出短路保护
Possible Cause	Low-voltage wiring harness short circuit
故障发生的可能原因	低压线束短路
Check Items	Check low voltage wiring harness
检查项目	检查低压线束
Possible Symptom	DCDC stop power output
可能的影响	DCDC 停止功率输出
Failure criteria	Output voltage sampling <5.2V and output current>29A for 400ms &&(DCDC is on)
故障诊断码的判断条件	输出电压采样 <5.2V 且输出电流 >29A, 持续 400ms &&(DCDC 处于开机状态)
healing condition	Output voltage sampling <5.2V and output current>29A for 400ms &&(DCDC is on)
故障治愈条件	3s 后关机自动恢复

故障码 DTC	P0D33
DTC Description	DCDC output over current protection
故障码描述	DCDC 输出过流保护
Possible Cause	Load is too high
故障发生的可能原因	负载过高
Check Items	Check whether the load is normal
检查项目	检查负载是否正常
Possible Symptom	DCDC stop power output
可能的影响	DCDC 停止功率输出
Failure criteria	Output current>240A, lasting 100ms
故障诊断码的判断条件	输出电流 >240A, 持续 100ms
healing condition	Output current>240A, lasting 100ms
故障治愈条件	<220A,3s 清除

故障码 DTC	P1AE0
DTC Description	DCDC MOS over temperature protection
故障码描述	直流 MOS 过温保护
Possible Cause	Abnormal cooling water
故障发生的可能原因	冷却水异常
Check Items	Check whether the cooling water is normal
检查项目	检查冷却水是否正常
Possible Symptom	DCDC stop power output
可能的影响	DCDC 停止功率输出
Failure criteria	Temperature>108 ℃
故障诊断码的判断条件	温度 >108 ℃
healing condition	Temperature>108 ℃
故障治愈条件	温度 <90 ℃

故障码 DTC	P1AE1
DTC Description	DCDC synchronous rectifier MOS over temperature protection
故障码描述	直流同步整流 MOS 过温保护
Possible Cause	Abnormal cooling water
故障发生的可能原因	冷却水异常
Check Items	Check whether the cooling water is normal
检查项目	检查冷却水是否正常
Possible Symptom	DCDC stop power output
可能的影响	DCDC 停止功率输出
Failure criteria	Temperature>100 ℃
故障诊断码的判断条件	温度 >100 ℃
healing condition	Temperature>100 ℃
故障治愈条件	温度 <90 ℃

故障码 DTC	P0EA6
DTC Description	DCDC environment over temperature protection
故障码描述	直流环境超温保护
Possible Cause	Abnormal cooling water
故障发生的可能原因	冷却水异常
Check Items	Check whether the cooling water is normal
检查项目	检查冷却水是否正常
Possible Symptom	DCDC stop power output
可能的影响	DCDC 停止功率输出
Failure criteria	Temperature>85 ℃
故障诊断码的判断条件	温度 >85 ℃
healing condition	Temperature>85 ℃
故障治愈条件	温度 <75 ℃

故障码 DTC	P1AE6
DTC Description	DCDC environment under temperature protection
故障码描述	DCDC 温度保护环境
Possible Cause	Abnormal cooling water
故障发生的可能原因	冷却水异常
Check Items	Check whether the cooling water is normal
检查项目	检查冷却水是否正常
Possible Symptom	DCDC stop power output
可能的影响	DCDC 停止功率输出
Failure criteria	Temperature<-45 ℃
故障诊断码的判断条件	温度 <-45 ℃
healing condition	Temperature<-45 ℃
故障治愈条件	温度 >-40 ℃

故障码 DTC	P1AE4
DTC Description	Auxiliary power is over load
故障码描述	辅助电源过载
Possible Cause	Damaged parts
故障发生的可能原因	零件损坏
Check Items	Dismantling analysis
检查项目	拆解分析
Possible Symptom	Can't charge
可能的影响	无法充电
Failure criteria	The auxiliary source is overloaded for 8ms
故障诊断码的判断条件	辅源发生过载持续 8ms
healing condition	The auxiliary source is overloaded for 8ms
故障治愈条件	故障恢复持续 750ms

故障码 DTC	P0562
DTC Description	12V battery over voltage protection
故障码描述	12V 蓄电池过电压保护
Possible Cause	Battery voltage is too high
故障发生的可能原因	蓄电池电压过高
Check Items	Multimeter to measure battery voltage
检查项目	万用表测量电池电压
Possible Symptom	DCDC stop power output
可能的影响	DCDC 停止功率输出
Failure criteria	Battery input is higher than 19V for 10m
故障诊断码的判断条件	蓄电池输入高于 19V，持续 10ms
healing condition	Battery input is higher than 19V for 10ms
故障治愈条件	低于 18V 自动恢复，故障保持 1s 保证上报

故障码 DTC	P0563
DTC Description	12V battery under voltage protection
故障码描述	12V 蓄电池欠压保护
Possible Cause	Battery voltage is too low
故障发生的可能原因	蓄电池电压过低
Check Items	Multimeter to measure battery voltage
检查项目	万用表测量电池电压
Possible Symptom	DCDC stop power output
可能的影响	DCDC 停止功率输出
Failure criteria	1. The battery input is lower than 8V for 10ms.or 2. The battery input is lower than 6V and lasts for 300us (do not record DTC)""
故障诊断码的判断条件	1. 蓄电池输入低于 8V，持续 10ms。或者 2. 蓄电池输入低于 6V，持续 300us （不记录 DTC）
healing condition	1. The battery input is lower than 8V for 10ms.or 2. The battery input is lower than 6V and lasts for 300us (do not record DTC)""
故障治愈条件	1. 高于 8.5V 自动恢复，故障保持 1s 保证上报。或者 2. 高于 8V 自动恢复，故障保持 1s 保证上报 "

故障码 DTC	P0563
DTC Description	Auxiliary 12V under voltage protection
故障码描述	辅助 12V 欠压保护
Possible Cause	Battery voltage is too low
故障发生的可能原因	蓄电池电压过低
Check Items	Multimeter to measure battery voltage
检查项目	万用表测量电池电压
Possible Symptom	DCDC stop power output
可能的影响	DCDC 停止功率输出
Failure criteria	1. The main control auxiliary source voltage is lower than 10V for 20ms.or 2. The auxiliary source voltage on the DCDC side is lower than 10.5V for 60us (the auxiliary source is turned on and the confirmation time is 4s)""
故障诊断码的判断条件	1. 主控辅助源电压低于 10V，持续 20ms。或者 2.DCDC 侧辅源电压低于 10.5V，持续 60us （辅源开启，且确认时间为 4s） "
healing condition	1. The main control auxiliary source voltage is lower than 10V for 20ms.or 2. The auxiliary source voltage on the DCDC side is lower than 10.5V for 60us (the auxiliary source is turned on and the confirmation time is 4s)""
故障治愈条件	1. 主控高于 11V 自动恢复，故障保持 3s 保证上报后消除该故障。或者 2.DCDC 测电压高于 11V 自动恢复，故障保持 3s 保证上报后消除该故障 "

故障码 DTC	P1AE7
DTC Description	Interlock signal detection loop fault at AC Input Connector
故障码描述	交流输入接头联锁信号检测回路故障
Possible Cause	AC high voltage connector is loose
故障发生的可能原因	AC 高压接插件松动
Check Items	Check whether the connector is firmly inserted
检查项目	检查接插件是否插牢
Possible Symptom	Unable to power up
可能的影响	无法上电
Failure criteria	Detection voltage is between 0~0.6V, 2.9~3.3V, 2.0~2.2, lasting 500ms
故障诊断码的判断条件	检测电压介于 0~0.6V、2.9~3.3V、2.0~2.2，持续 500ms
healing condition	Detection voltage is between 0~0.6V, 2.9~3.3V, 2.0~2.2, lasting 500ms
故障治愈条件	检测电压介于 0.8~1.95V、2.25~1.95V，持续 2s

故障码 DTC	P1AE8
DTC Description	Interlock signal detection loop fault at DC Input Connector
故障码描述	直流输入接头联锁信号检测回路故障
Possible Cause	oose DC high voltage connector
故障发生的可能原因	LDC 高压接插件松动
Check Items	Check whether the connector is firmly inserted
检查项目	检查接插件是否插牢
Possible Symptom	Unable to power up
可能的影响	无法上电
Failure criteria	Detection voltage is between 0~0.6V, 2.9~3.3V, 2.0~2.2, lasting 500ms
故障诊断码的判断条件	检测电压介于 0~0.6V、2.9~3.3V、2.0~2.2，持续 500ms
healing condition	Detection voltage is between 0~0.6V, 2.9~3.3V, 2.0~2.2, lasting 500ms
故障治愈条件	检测电压介于 0.8~1.95V、2.25~1.95V，持续 2s

故障码 DTC	U0111
DTC Description	BMS_598 or BMS_603 CAN Frame Comm Lost
故障码描述	e'l
Possible Cause	CAN line open circuit or abnormal BMS
故障发生的可能原因	CAN 线断路或 BMS 异常
Check Items	Read CAN data
检查项目	读取 CAN 数据
Possible Symptom	OBC/DCDC maintain the previous state
可能的影响	OBC/DCDC 维持之前状态
Failure criteria	The BMS_598 message has not been received for more than 1s (the detection will start after the BMS_598ChrgPlugStatus signal is equal to 1 message, and the detection will be stopped when the ChrgPlugStatus signal of the BMS_598 message is equal to 0) Or the BMS_603 message has not been received for more than 1s (the detection will start after receiving the BMS_603ACChrgMode not equal to the RequestStopCharge message, and the detection will be stopped after receiving the AcchrgMode equal to the RequestStopCharge message)
故障诊断码的判断条件	未接收 BMS_598 报文超过 1s （接收到 BMS_598ChrgPlugStatus 信号等于 1 报文后开始检测，接收 BMS_598 报文 ChrgPlugStatus 信号等于 0 后停止检测）或未接收 BMS_603 报文超过 1s （接收到 BMS_603ACChrgMode 不等于 RequestStopCharge 报文后开始检测，接收到 ACChrgMode 等于 RequestStopCharge 报文后停止检测）

故障码 DTC	U0111
healing condition	The BMS_598 message has not been received for more than 1s (the detection will start after the BMS_598ChrgPlugStatus signal is equal to 1 message, and the detection will be stopped when the ChrgPlugStatus signal of the BMS_598 message is equal to 0) Or the BMS_603 message has not been received for more than 1s (the detection will start after receiving the BMS_603ACChrgMode not equal to the RequestStopCharge message, and the detection will be stopped after receiving the AcchrgMode equal to the RequestStopCharge message)
故障治愈条件	同时接收到 BMS_598 和 BMS_603 报文即恢复

故障码 DTC	U0111
DTC Description	BMS CAN Frame Data Invalid
故障码描述	BMS CAN 帧数据无效
Possible Cause	BMS data sending error
故障发生的可能原因	BMS 数据发送错误
Check Items	Read CAN data
检查项目	读取 CAN 数据
Possible Symptom	OBC continues power output
可能的影响	OBC 继续功率输出
Failure criteria	BMS request voltage range exceeds 240-420V range; request charging current exceeds 0-24A range
故障诊断码的判断条件	BMS 请求电压范围超出 240-420V 范围；请求充电电流超出 0-24A 范围
healing condition	BMS request voltage range exceeds 240-420V range; request charging current exceeds 0-24A range
故障治愈条件	接收到 BMS 正确报文即恢复

故障码 DTC	U0294
DTC Description	VCU CAN Frame Comm Lost
故障码描述	VCU CAN 帧通信丢失
Possible Cause	VCU data transmission error
故障发生的可能原因	VCU 数据发送错误
Check Items	Read CAN data
检查项目	读取 CAN 数据
Possible Symptom	OBC/DCDC maintain the previous state
可能的影响	OBC/DCDC 维持之前状态
Failure criteria	The VCU message is not received for more than 250ms (with KL15 signal detection)
故障诊断码的判断条件	未接收 VCU 报文超过 250ms （有 KL15 信号检测）
healing condition	The VCU message is not received for more than 250ms (with KL15 signal detection)
故障治愈条件	接收到 VCU 报文即恢复

故障码 DTC	U0294
DTC Description	VCU CAN Frame Data Invalid
故障码描述	VCU CAN 帧数据无效
Possible Cause	VCU data transmission error
故障发生的可能原因	VCU 数据发送错误
Check Items	Read CAN data
检查项目	读取 CAN 数据
Possible Symptom	OBC/DCDC maintain the previous state
可能的影响	OBC/DCDC 维持之前状态
Failure criteria	VCU request voltage exceeds 9-15V
故障诊断码的判断条件	VCU 请求电压超出 9-15V
healing condition	VCU request voltage exceeds 9-15V
故障治愈条件	接收到 VCU 正确报文即恢复

故障码 DTC	U0155
DTC Description	IPK CAN Frame Comm Lost
故障码描述	IPK CAN 帧通信丢失
Possible Cause	IP K data sending error
故障发生的可能原因	IP K 数据发送错误
Check Items	Read CAN data
检查项目	读取 CAN 数据
Possible Symptom	no effect
可能的影响	无影响
Failure criteria	IPK_1F2 packet is not received for more than 200ms or IPK_362 is not received for more than 5s (with KL15 signal detection)
故障诊断码的判断条件	未接收 IPK_1F2 报文超过 200ms 或者未接收 IPK_362 超过 5s（有 KL15 信号检测）
healing condition	IPK_1F2 packet is not received for more than 200ms or IPK_362 is not received for more than 5s (with KL15 signal detection)
故障治愈条件	接收到 IPK 报文即恢复

故障码 DTC	P1F0D
DTC Description	CP Frequency Out Of Range
故障码描述	CP 频率超范围
Possible Cause	Abnormal charging pile
故障发生的可能原因	充电桩异常
Check Items	Multimeter to measure CP value
检查项目	万用表测量 CP 值
Possible Symptom	OBC stops power output
可能的影响	OBC 停止功率输出
Failure criteria	Out of range [8%,90%]
故障诊断码的判断条件	超出范围 [8%,90%]
healing condition	Out of range [8%,90%]
故障治愈条件	在范围 [8%,90%] 内

故障码 DTC	U0073
DTC Description	Bus off
故障码描述	总线关闭
Possible Cause	CAN short
故障发生的可能原因	CAN 短路
Check Items	Check CAN wire
检查项目	检查 CAN 线
Possible Symptom	OBC shutdown/DCDC maintains the previous state
可能的影响	OBC 停机 /DCDC 维持之前状态
Failure criteria	When the "transmission error counter" accumulates over 255, the node enters the Bus-off state; Bus-off counter ≥ 3, confirm the fault
故障诊断码的判断条件	当“发送错误计数器”累计超过 255 时，节点进入 Bus-off 状态； Bus-off 计数器≥ 3，确认故障
healing condition	When the "transmission error counter" accumulates over 255, the node enters the Bus-off state; Bus-off counter ≥ 3, confirm the fault
故障治愈条件	节点不允许 CAN 控制器自动复位，要求节点进入 Bus-off 后，每隔 50ms 尝试复位一次，每复位一次计数器累加 1 ；如果计数器等于 5，则节点每 200ms 尝试复位一次。如果节点成功发送常规报文，则 Bus-off 复位成功，节点即可正常通信，计数器清 0 ；如果常规报文尝试发送失败，则节点继续每 200ms 尝试一次 Bus-off 复位

故障码 DTC	P1F20
DTC Description	Over voltage of aux
故障码描述	辅助过电压
Possible Cause	Battery voltage is too high
故障发生的可能原因	蓄电池电压过高
Check Items	Multimeter to measure battery voltage
检查项目	万用表测量电池电压
Possible Symptom	Battery feed
可能的影响	蓄电池馈电
Failure criteria	The auxiliary source input is higher than 14.5V for 20ms
故障诊断码的判断条件	辅助源输入高于 14.5V，持续 20ms
healing condition	The auxiliary source input is higher than 14.5V for 20ms
故障治愈条件	低于 13.5V 自动恢复，故障保持 3S 保证上报后消除该故障

故障码 DTC	P1F21
DTC Description	Failure of AUX 12V sample circuit
故障码描述	AUX 12V 采样电路故障
Failure criteria	The difference between 12V two-channel acquisition is greater than 2V for 100ms
故障诊断码的判断条件	12V 两路采集相差大于 2V 持续 100ms
healing condition	The difference between 12V two-channel acquisition is greater than 2V for 100ms
故障治愈条件	12V 两路采集相差小于 1V 保持 200ms 恢复

故障码 DTC	P1F23
DTC Description	Over voltage of DCDC output
故障码描述	直流输出过电压
Possible Cause	Battery voltage is too high
故障发生的可能原因	蓄电池电压过高
Check Items	Multimeter to measure battery voltage
检查项目	万用表测量电池电压
Possible Symptom	Battery feed
可能的影响	蓄电池馈电
Failure criteria	DCDC output 12V overvoltage (functional safety)
故障诊断码的判断条件	DCDC 输出 12V 过压 (功能安全)
healing condition	DCDC output 12V overvoltage (functional safety)
故障治愈条件	DCDC 输出低于 16.5v，持续 500ms

故障码 DTC	P1F24
DTC Description	Failure of DCDC 12V sample circuit
故障码描述	DCDC12V 采样电路故障
Possible Cause	Damaged parts
故障发生的可能原因	零件损坏
Check Items	Dismantling analysis
检查项目	拆解分析
Possible Symptom	Battery feed
可能的影响	蓄电池馈电
Failure criteria	The difference between 12V two-channel acquisition is greater than 2V, and lasts 500ms
故障诊断码的判断条件	12V 两路采集相差大于 2V, 持续 500ms
healing condition	The difference between 12V two-channel acquisition is greater than 2V, and lasts 500ms
故障治愈条件	12V 两路采集相差小于 1V, 持续 500ms

故障码 DTC	P1F25
DTC Description	Over voltage of 2V5Ref
故障码描述	2V5Ref 过电压
Possible Cause	Damaged parts
故障发生的可能原因	零件损坏
Check Items	Dismantling analysis
检查项目	拆解分析
Possible Symptom	OBC stops power output
可能的影响	OBC 停止功率输出
Failure criteria	The reference voltage is higher than 2.632v for 500ms
故障诊断码的判断条件	参考电压高于 2.632v，持续 500ms
healing condition	The reference voltage is higher than 2.632v for 500ms
故障治愈条件	参考电压低于 2.566v，持续 500ms

故障码 DTC	P1F26
DTC Description	Under voltage of 2V5Ref
故障码描述	2V5Ref 欠压
Possible Cause	Damaged parts
故障发生的可能原因	零件损坏
Check Items	Dismantling analysis
检查项目	拆解分析
Possible Symptom	OBC stops power output
可能的影响	OBC 停止功率输出
Failure criteria	The reference voltage is lower than 2.368v, lasting 500ms
故障诊断码的判断条件	参考电压低于 2.368v，持续 500ms
healing condition	The reference voltage is lower than 2.368v, lasting 500ms
故障治愈条件	参考电压高于 2.434v，持续 500ms

故障码 DTC	P1F27
DTC Description	Failure of 2V5Ref sample circuit
故障码描述	2V5Ref 采样电路故障
Possible Cause	Damaged parts
故障发生的可能原因	零件损坏
Check Items	Dismantling analysis
检查项目	拆解分析
Possible Symptom	OBC stops power output
可能的影响	OBC 停止功率输出
Failure criteria	The voltage difference between the two channels of reference voltage acquisition is greater than 0.2112v for 500ms
故障诊断码的判断条件	参考电压两路采集电压差大于 0.2112v，持续 500ms
healing condition	The voltage difference between the two channels of reference voltage acquisition is greater than 0.2112v for 500ms
故障治愈条件	参考电压两路采集电压差大于 0.2112v，持续 500ms

故障码 DTC	P1F28
DTC Description	Failure of Self Safety Test
故障码描述	自我安全测试失败
Possible Cause	Damaged parts
故障发生的可能原因	零件损坏
Check Items	Dismantling analysis
检查项目	拆解分析
Possible Symptom	OBC stops power output
可能的影响	OBC 停止功率输出
Failure criteria	Functional safety self-test failed
故障诊断码的判断条件	功能安全自检失败
healing condition	Functional safety self-test failed
故障治愈条件	芯片重新上电自检成功

故障码 DTC	P1F29
DTC Description	Failure of undervoltage of HV output voltage
故障码描述	高压输出电压欠压故障
Possible Cause	Damaged parts
故障发生的可能原因	零件损坏
Check Items	Dismantling analysis
检查项目	拆解分析
Possible Symptom	OBC stops power output
可能的影响	OBC 停止功率输出
Failure criteria	CLLC enters the RUN state and is not a low temperature slow-start state, the output undervoltage protection point is 200V ± 5V for 200ms
故障诊断码的判断条件	CLLC 进入 RUN 态且非低温缓起状态，输出欠压保护点为 200V ± 5V 持续 200ms
healing condition	CLLC enters the RUN state and is not a low temperature slow-start state, the output undervoltage protection point is 200V ± 5V for 200ms
故障治愈条件	关闭发波后 3s 自动恢复

故障码 DTC	P0EA6
DTC Description	Failure of overcurrent of AC side of OBC
故障码描述	OBC 交流侧过电流故障
Possible Cause	Abnormal charging pile
故障发生的可能原因	充电桩异常
Check Items	Measure the output current of the charging pile
检查项目	测量充电桩输出电流
Possible Symptom	OBC stops power output
可能的影响	OBC 停止功率输出
Failure criteria	The effective value of input current is greater than 33A and lasts for 1s
故障诊断码的判断条件	输入电流有效值大于 33A 且持续 1s
healing condition	The effective value of input current is greater than 33A and lasts for 1s
故障治愈条件	输入电流有效值小于 32A 且持续 3s

故障码 DTC	P1AD0
DTC Description	Failure of overcurrent of output of OBC
故障码描述	OBC 输出过电流故障
Possible Cause	Abnormal battery voltage or damaged parts
故障发生的可能原因	电池电压异常或零件损坏
Check Items	Multimeter to measure battery voltage
检查项目	万用表测量电池电压
Possible Symptom	OBC stops power output
可能的影响	OBC 停止功率输出
Failure criteria	The output current is greater than 24A for 1s.
故障诊断码的判断条件	输出电流大于 24A，持续 1s。
healing condition	The output current is greater than 24A for 1s.
故障治愈条件	输出电流小于 23A，持续 3s。

故障码 DTC	P0562
DTC Description	Failure of bus voltage difference
故障码描述	总线压差故障
Possible Cause	Abnormal battery voltage or damaged parts
故障发生的可能原因	电池电压异常或零件损坏
Check Items	Multimeter to measure battery voltage
检查项目	万用表测量电池电压
Possible Symptom	OBC stops power output
可能的影响	OBC 停止功率输出
Failure criteria	The sampling difference between the two busbar voltages is greater than 100V and lasts for more than 5s
故障诊断码的判断条件	两路母线电压采样差值大于 100V 持续超过 5s
healing condition	The sampling difference between the two busbar voltages is greater than 100V and lasts for more than 5s
故障治愈条件	两路母线电压采样差值小于 10V 持续 3s 自动恢复

故障码 DTC	P1F06
DTC Description	BMS 603 invalid data
故障码描述	BMS 603 无效数据
Possible Cause	BMS data sending error
故障发生的可能原因	BMS 数据发送错误
Check Items	Read CAN data
检查项目	读取 CAN 数据
Possible Symptom	OBC continues power output
可能的影响	OBC 继续功率输出
Failure criteria	BMS request voltage range exceeds 240-420V range; request charging current exceeds 0-24A range
故障诊断码的判断条件	BMS 请求电压范围超出 240-420V 范围；请求充电电流超出 0-24A 范围
healing condition	BMS request voltage range exceeds 240-420V range; request charging current exceeds 0-24A range
故障治愈条件	接收到 BMS 正确报文即恢复

故障码 DTC	P1F08
DTC Description	VCU 282 invalid data
故障码描述	VCU 282 无效数据
Possible Cause	VCU data transmission error
故障发生的可能原因	VCU 数据发送错误
Check Items	Read CAN data
检查项目	读取 CAN 数据
Possible Symptom	OBC/DCDC maintain the previous state
可能的影响	OBC/DCDC 维持之前状态
Failure criteria	VCU request voltage exceeds 9-15V
故障诊断码的判断条件	VCU 请求电压超出 9-15V
healing condition	VCU request voltage exceeds 9-15V
故障治愈条件	接收到 VCU 正确报文即恢复

故障码 DTC	P1AE2
DTC Description	Frequence abnormal of AC input
故障码描述	交流输入频率异常
Possible Cause	AC grid frequency is abnormal
故障发生的可能原因	AC 电网频率异常
Check Items	Multimeter measures the frequency of power grids
检查项目	万用表测量电网品频率
Possible Symptom	OBC stops power output
可能的影响	OBC 停止功率输出
Failure criteria	Input AC, voltage is greater than 42Vac and frequency exceeds the range of 45~65Hz, and lasts for 3s
故障诊断码的判断条件	输入交流、电压大于 42Vac 且频率超出 45~65Hz 范围，并持续 3s
healing condition	Input AC, voltage is greater than 42Vac and frequency exceeds the range of 45~65Hz, and lasts for 3s
故障治愈条件	47Hz ≤ f ≤ 63Hz，持续 3s

PEU-C1 故障码及故障类型描述汇总

Description on the fault code and failure type

故障码 DTC	DTC Description	故障码描述
P0A44	Motor overspeed	电机超速
P0C79	DC bus overvoltage	直流母线过压
P1A60	DC bus under voltage	直流母线欠压
P0C01	Output short-time overcurrent	输出短时过流
P0563	Low voltage power over voltage	低压电源过压
P0562	Undervoltage of low voltage power supply	低压电源欠压
P0A3C	Drive overtemperature	驱动器过温
P0A2F	Over temperature of motor	电机过温
U0073	Can BusOff	Can BusOff
U0293	VCU communication is abnormal	VCU 通信异常
U0111	BMS communication abnormal	BMS 通信异常
P1A6A	Drive internal communication failure	驱动器内部通信故障
P0BFD	Output imbalance	输出不平衡
P0C05	Output phase missing	输出缺相
P1AA2	Data logging failed	数据记录失败
P0BE6	Current sensor abnormal	电流传感器异常
P0AEE	Driver temperature sensor abnormal	驱动器温度传感器异常
P0A2B	Motor temperature sensor abnormal	电机温度传感器故障
P0D2E	Bus voltage sensor fault	母线电压传感器故障
P0A3F	Position sensor detection circuit fault	位置传感器检测回路故障
P1A69	Active discharge circuit fault	主动放电回路故障
P0A3C	IGBT OC / OT failure	IGBT OC/OT 故障
P0C79	DC instantaneous overvoltage	直流瞬时过压
P1A83	Drive power failure	驱动电源故障
P0C01	Output instantaneous overcurrent	输出瞬时过流
P1ABD	Wave generation verification failed	发波校验失败
P1ABF	High voltage interlock failure	高压互锁故障

故障码 DTC	DTC Description	故障码描述
P1ABE	Torque check failure	转矩校验故障
P1AB4	Active discharge fault	主动放电故障
P1ABC	BIT Fault	自检失败
P1A7B	Over temperature of veneer	单板过温
P0633	Drive has no key information	驱动器无密匙信息
P0513	Sim answer error	SIM 应答错误
P1ABA	Invalid SIM response	SIM 应答无效
P1AB1	Security authentication timeout	防盗认证超时
P1ABB	Invalid SIM teaching request	SIM 教学请求无效
P0C17	Rotary deflection angle calibration failed	旋变偏置角校准失败
P0C79	DC bus overvoltage	直流母线过压降额
P1A60	DC bus under voltage drop	直流母线欠压降额
P0A2F	Motor over temperature derating	电机过温降额
P0AEE	Drive over temperature derating	驱动器过温降额
P0A44	Motor forward over speed derating	电机正向过速降额
P0A44	Motor reverse over speed derating	电机反向过速降额
P1A92	Motor overload derating	电机过载降额
P1AF0	Level 3 reset fault alarm	Level 3 复位故障告警
P0A12	Single plate over temperature derating	单板过温降额

PEU-C1 故障详解

Error -sorting solution

故障码 DTC	P0A44
DTC Description	Motor overspeed
故障码描述	电机超速
Possible Cause	1.Wheel skidding; 2.The wire harness of the motor resolver is broken or the shielding layer is broken; 3.MCU failure;
故障发生的可能原因	1. 车轮打滑； 2. 电机旋变线束断线或屏蔽层破裂； 3. MCU 故障；
Check Items	1. If the wheel is not slipping, the MCU is normal if there is no warning; 2. Check whether the motor resolver wiring harness is normal, if the wiring harness is abnormal, replace the wiring harness; 3. If the fault persists, replace the MCU;
检查项目	1. 车轮不打滑情况验证无告警则 MCU 正常； 2. 检查电机旋变线束是否正常，如果线束异常则更换线束； 3. 如果故障持续出现则更换 MCU ；
Possible Symptom	Stop without AC output
可能的影响	停机，无交流输出
release condition	Start testing and diagnosis after applying high pressure, and stop diagnosis after sleep
故障诊断码的运行条件	上高压后开始检测开始诊断，休眠后停止诊断
Failure criteria	The actual speed of the motor is greater than the threshold (upper limit 11330rpm, lower limit -5000rpm)
故障诊断码的判断条件	电机实际转速大于门限 （上限 11330rpm、下限 -5000rpm）
healing condition	Ignition system power recovery
故障治愈条件	点火系统上下电恢复
系统反应（降扭或降速等）	停机

故障码 DTC	P0C79
DTC Description	DC bus overvoltage
故障码描述	直流母线过压
Possible Cause	1. The DC cable connection in the power generation state is disconnected; 2. Abnormal charging of high voltage battery; 3. MCU failure;
故障发生的可能原因	1. 发电状态 DC 线缆连接断开； 2. 高压电池充电异常； 3. MCU 故障；
Check Items	1. Check whether the DC cable connection is normal, if it is abnormal, please troubleshoot the cable; 2. Check whether the voltage status of the high-voltage battery of the vehicle is normal, if it is abnormal, please check the charging system; 3. If the fault persists, replace the MCU;
检查项目	1. 排查 DC 线缆连接是否正常，如果异常请排除线缆故障； 2. 检查整车高压电池电压状态是否正常，如果异常请排查充电系统； 3. 如果故障持续出现则更换 MCU ；
Possible Symptom	Stop without AC output
可能的影响	停机，无交流输出
release condition	Start diagnosis in standby state, stop diagnosis after sleep
故障诊断码的运行条件	standby 状态开始诊断，休眠后停止诊断
Failure criteria	The bus voltage is greater than the overvoltage threshold (440V)
故障诊断码的判断条件	母线电压大于过压门限 （440V）
healing condition	Ignition system power recovery
故障治愈条件	点火系统上下电恢复
系统反应（降扭或降速等）	停机

故障码 DTC	P1A60
DTC Description	DC bus under voltage
故障码描述	直流母线欠压
Possible Cause	1. The battery pack or DC terminal is abnormally short-circuited; 2. The DC cable is damaged and abnormally shorted or opened; 3. The actual SOC of the high-voltage battery is low; 4. MCU failure;
故障发生的可能原因	1. 电池包或 DC 端子异常短路； 2. DC 线缆破损异常短路、开路； 3. 高压电池实际 SOC 偏低； 4. MCU 故障；
Check Items	1. Check whether the battery pack and DC terminal are abnormally short-circuited, if abnormal, please troubleshoot the battery pack and DC terminal; 2. Check whether the DC cable connection is normal. If it is abnormal, please troubleshoot the cable; 3. Check whether the voltage status of the high-voltage battery of the vehicle is normal. If it is abnormal, please troubleshoot the high-voltage battery; 4. If the fault persists, replace the MCU;
检查项目	1. 排查电池包和 DC 端子是否异常短路，如果异常请排除电池包和 DC 端子故障； 2. 排查 DC 线缆连接是否正常，如果异常请排除线缆故障； 3. 检查整车高压电池电压状态是否正常，如果异常请排查高压电池故障； 4. 如果故障持续出现则更换 MCU ；
Possible Symptom	Stop without AC output
可能的影响	停机，无交流输出
release condition	Start diagnosis in running state, stop diagnosis when exiting running state
故障诊断码的运行条件	运行状态开始诊断，退出运行状态停止诊断
Failure criteria	The bus voltage is less than the undervoltage threshold (230V)
故障诊断码的判断条件	母线电压小于欠压门限 （230V）
healing condition	gnition system power recovery

故障码 DTC	P1A60
故障治愈条件	点火系统上下电恢复
系统反应（降扭或降速等）	停机

故障码 DTC	P0C01
DTC Description	Output short-time overcurrent
故障码描述	输出短时过流
Possible Cause	1. The AC cable is broken and short-circuited between phases or to ground; 2. Short circuit between the three phases of the motor or short circuit to ground; 3. The resolver sensor cable between the MCU and the motor is disconnected, short-circuited or damaged, or the motor signal terminal is connected abnormally; 4. The motor resolver sensor is abnormal; 5. MCU failure;"
故障发生的可能原因	1. AC 线缆破损相间短路或对地短路； 2. 电机三相之间短路或对地短路； 3. MCU 与电机的旋变传感器线缆断开、短路和破损或者电机信号端子连接异常； 4. 电机旋变传感器异常； 5. MCU 故障；
Check Items	1. Check whether the AC cable is normal, if it is abnormal, please eliminate the abnormality of the cable; 2. Check whether the impedance between the three phases of the motor is normal. If it is abnormal, remove the abnormal fault of the motor; 3. Check whether the resolver sensor cable connection between the motor and the MCU is normal. If it is abnormal, remove the cable fault; 4. Check whether the motor resolver sensor is normal, if it is abnormal, please troubleshoot the motor resolver sensor; 5. If the fault persists, replace the MCU;"
检查项目	1. 排查 AC 线缆是否正常，如果异常请排除线缆异常； 2. 排查电机三相之间阻抗是否正常，如果异常请排除电机异常故障； 3. 排查电机与 MCU 的旋变传感器线缆连接是否正常，如果异常请排除线缆故障； 4. 排查电机旋变传感器是否正常，如果异常请排除电机旋变传感器故障； 5. 如果故障持续出现则更换 MCU ；
Possible Symptom	Stop without AC output
可能的影响	停机，无交流输出
release condition	Start diagnosis in standby state, stop diagnosis after sleep

故障码 DTC	P0C01
故障诊断码的运行条件	standby 状态开始诊断，休眠后停止诊断
Failure criteria	The effective value of the output current is greater than the threshold (500A)
故障诊断码的判断条件	输出电流有效值大于门限 （500A）
healing condition	gnition system power recovery
故障治愈条件	点火系统上下电恢复
系统反应（降扭或降速等)	停机

故障码 DTC	P0563
DTC Description	Low voltage power over voltage
故障码描述	低压电源过压
Possible Cause	1. Low-voltage battery voltage or DC/DC power supply voltage is too high; 2. MCU failure;"
故障发生的可能原因	1. 低压电池电压或 DC/DC 供电电压过高； 2. MCU 故障；
Check Items	1. Check whether the low-voltage battery voltage or DC/DC power supply voltage is normal. If it is abnormal, remove the fault; 2. If the fault persists, replace the MCU;
检查项目	1. 排查低压电池电压或 DC/DC 供电电压是否正常，如果异常请拆除故障； 2. 如果故障持续出现则更换 MCU ；
Possible Symptom	Stop without AC output
可能的影响	停机，无交流输出
release condition	Start diagnosis in standby state, stop diagnosis after sleep
故障诊断码的运行条件	standby 状态开始诊断，休眠后停止诊断
Failure criteria	The low-voltage power supply voltage is greater than the overvoltage threshold Threshold 1: >16.7V Threshold 2: >19V"
故障诊断码的判断条件	低压电源电压大于过压门限 门限 1：>16.7V 门限 2：>19V"
healing condition	gnition system power recovery
故障治愈条件	点火系统上下电恢复
系统反应（降扭或降速等）	停机

故障码 DTC	P0562
DTC Description	Undervoltage of low voltage power supply
故障码描述	低压电源欠压
Possible Cause	1. Low-voltage battery voltage or DC/DC power supply voltage is too low; 2. The low-voltage battery wire is in poor contact; 3. MCU failure;"
故障发生的可能原因	1. 低压电池电压或 DC/DC 供电电压过低； 2. 低压电池线接触不良； 3. MCU 故障；
Check Items	1. Check whether the low-voltage battery voltage or DC/DC power supply voltage is normal. If it is abnormal, remove the fault; 2. Check whether the low-voltage battery wiring harness connection is normal, if it is abnormal, please troubleshoot; 3. If the fault persists, replace the MCU;
检查项目	1. 排查低压电池电压或 DC/DC 供电电压是否正常，如果异常请拆除故障； 2. 排查低压电池线束连接是否正常，如果异常请排除故障； 3. 如果故障持续出现则更换 MCU ；
Possible Symptom	Stop without AC output
可能的影响	停机，无交流输出
release condition	Start diagnosis in standby state, stop diagnosis after sleep
故障诊断码的运行条件	standby 状态开始诊断，休眠后停止诊断
Failure criteria	The low-voltage power supply voltage is less than the under-voltage threshold Threshold 1: <8V Threshold 2: <4V
故障诊断码的判断条件	低压电源电压小于欠压门限 门限 1：<8V 门限 2：<4V
healing condition	gnition system power recovery
故障治愈条件	点火系统上下电恢复
系统反应（降扭或降速等）	停机

故障码 DTC	P0A3C
DTC Description	Drive overtemperature
故障码描述	驱动器过温
Possible Cause	1. The coolant leaks or the coolant temperature is too high; 2. MCU failure;"
故障发生的可能原因	1. 冷却液泄露或者冷却液温度过高； 2. MCU 故障；
Check Items	1. Check whether there is leakage in the coolant pipeline, whether the cooling system is normal, and if it is abnormal, remove the cooling system failure; 2. If the fault persists, replace the MCU;
检查项目	1. 排查冷却液管路是否有泄露，散热系统是否正常，如果异常则排除冷却系统故障； 2. 如果故障持续出现则更换 MCU ；
Possible Symptom	Stop without AC output
可能的影响	停机，无交流输出
release condition	Start diagnosis in standby state, stop diagnosis after sleep
故障诊断码的运行条件	standby 状态开始诊断，休眠后停止诊断
Failure criteria	Drive temperature is greater than 135° C
故障诊断码的判断条件	驱动器温度大于 135° C
healing condition	Ignition system will recover after 30 seconds after power off
故障治愈条件	点火系统下电 30 秒后恢复
系统反应（降扭或降速等）	停机

故障码 DTC	P0A2F
DTC Description	Over temperature of motor
故障码描述	电机过温
Possible Cause	1. The coolant leaks or the coolant temperature is too high; 2. The motor temperature sensor is abnormal; 3. The temperature sampling harness connecting the motor and the MCU is abnormal; 4. MCU failure;
故障发生的可能原因	1. 冷却液泄露或者冷却液温度过高； 2. 电机温度传感器异常； 3. 电机与 MCU 连接的温度采样线束异常； 4. MCU 故障；
Check Items	1. Check whether there is leakage in the coolant pipeline, whether the cooling system is normal, and if it is abnormal, remove the cooling system failure; 2. Check whether the motor temperature sensor is normal, if it is abnormal, remove the fault; 3. Check whether the temperature sampling harness connecting the motor and the MCU is normal. If it is abnormal, remove the fault; 4. If the fault persists, replace the MCU;
检查项目	1. 排查冷却液管路是否有泄露，散热系统是否正常，如果异常则排除冷却系统故障； 2. 排查电机温度传感器是否正常，如果异常则排除故障； 3. 排查电机与 MCU 连接的温度采样线束是否正常，如果异常则排除故障； 4. 如果故障持续出现则更换 MCU ；
Possible Symptom	Stop without AC output
可能的影响	停机，无交流输出
release condition	Start diagnosis in standby state, stop diagnosis after sleep
故障诊断码的运行条件	standby 状态开始诊断，休眠后停止诊断
Failure criteria	Motor winding temperature is greater than 170° C
故障诊断码的判断条件	电机绕组温度大于 170° C

故障码 DTC	P0A2F
healing condition	Ignition system power recovery
故障治愈条件	点火系统上下电恢复
系统反应（降扭或降速等）	停机

故障码 DTC	U0073
DTC Description	Can BusOff
故障码描述	Can BusOff
Possible Cause	1. CAN_H and CAN_L are short-circuited in the CAN communication harness, or CAN_H and CAN_L are short-circuited to ground; 2. MCU low-voltage wiring harness, CAN communication wiring harness is damaged or the shielding layer is damaged; 3. MCU failure;
故障发生的可能原因	1. CAN 通信线束出现 CAN_H 与 CAN_L 短路，或者 CAN_H 与 CAN_L 对地短路； 2. MCU 低压线束 CAN 通讯线束破损或屏蔽层损坏； 3. MCU 故障；
Check Items	1. Check the CAN network harness of the vehicle; 2. Check whether the MCU low-voltage communication harness is normal. If it is abnormal, please eliminate the abnormality; 3. If the fault persists, replace the MCU;"
检查项目	1. 排查整车 CAN 网络线束； 2. 排查 MCU 低压通讯线束是否正常，如果异常请排除异常； 3. 如果故障持续出现则更换 MCU；
Possible Symptom	Derated operation
可能的影响	降额运行
release condition	Start diagnosis in standby state, stop diagnosis after sleep
故障诊断码的运行条件	standby 状态开始诊断，休眠后停止诊断
Failure criteria	Power CAN busoff status detected
故障诊断码的判断条件	检测到动力 CAN busoff 状态
healing condition	Self-recovery after derating exit
故障治愈条件	降额退出自恢复
系统反应（降扭或降速等）	转矩降额至 0Nm

故障码 DTC	U0293
DTC Description	VCU communication is abnormal
故障码描述	VCU 通信异常
Possible Cause	1. CAN communication cannot be carried out due to VCU failure; 2. Failure of other components pulls the CAN bus to death and cannot perform CAN communication; 3. Poor contact of the low-voltage battery line powered by the MCU causes the MCU to stop working; 4. MCU low-voltage wiring harness, CAN communication wiring harness is damaged or the shielding layer is damaged; 5. MCU failure;
故障发生的可能原因	1. VCU 故障导致无法进行 CAN 通讯； 2. 其他部件故障将 CAN 总线拉死无法进行 CAN 通讯； 3. MCU 供电的低压电池线接触不良导致 MCU 停止工作； 4. MCU 低压线束 CAN 通讯线束破损或屏蔽层损坏； 5. MCU 故障；
Check Items	1. Check whether the VCU of the vehicle is normal and whether the communication with other components is normal. If it is abnormal, please troubleshoot the VCU; 2. Check whether the CAN communication of other parts of the vehicle is normal. If it is abnormal, please troubleshoot the CAN communication of other parts; 3. Check whether the MCU low-voltage power supply is normal, if it is abnormal, please troubleshoot; 4. Check whether the MCU low-voltage communication harness is normal. If it is abnormal, please eliminate the abnormality; 5. If the fault persists, replace the MCU;
检查项目	1. 排查整车 VCU 是否正常，与其他部件通讯是否正常，如果异常请排除 VCU 故障； 2. 排查整车其他部件 CAN 通讯是否正常，如果异常请排除其他部件 CAN 通讯故障； 3. 排查 MCU 低压供电是否正常，如果异常请排除故障； 4. 排查 MCU 低压通讯线束是否正常，如果异常请排除异常； 5. 如果故障持续出现则更换 MCU；

故障码 DTC	U0293
Possible Symptom	Derated operation
可能的影响	降额运行
release condition	Start diagnosis in standby state, stop diagnosis after sleep
故障诊断码的运行条件	Standby 状态开始诊断，休眠后停止诊断
Failure criteria	A timeout (10 times the communication cycle) or frame length error trigger occurs in any received frame of Power CAN
故障诊断码的判断条件	动力 CAN 任意一个接收帧出现超时 (10 倍通信周期) 或者帧长度错误触发
healing condition	Self-recovery after derating exit
故障治愈条件	降额退出自恢复
系统反应（降扭或降速等)	转矩降额至 0Nm

故障码 DTC	U0111
DTC Description	BMS communication abnormal
故障码描述	BMS 通信异常
Possible Cause	1. CAN communication cannot be carried out due to BMS failure; 2. Failure of other components pulls the CAN bus to death and cannot perform CAN communication; 3. Poor contact of the low-voltage battery line powered by the MCU causes the MCU to stop working; 4. MCU low-voltage wiring harness, CAN communication wiring harness is damaged or the shielding layer is damaged; 5. MCU failure;
故障发生的可能原因	1. BMS 故障导致无法进行 CAN 通讯； 2. 其他部件故障将 CAN 总线拉死无法进行 CAN 通讯； 3. MCU 供电的低压电池线接触不良导致 MCU 停止工作； 4. MCU 低压线束 CAN 通讯线束破损或屏蔽层损坏； 5. MCU 故障；
Check Items	1. Check whether the BMS of the whole vehicle is normal and whether the communication with other components is normal. If it is abnormal, please troubleshoot the BMS; 2. Check whether the CAN communication of other parts of the vehicle is normal. If it is abnormal, please troubleshoot the CAN communication of other parts; 3. Check whether the MCU low-voltage power supply is normal, if it is abnormal, please troubleshoot; 4. Check whether the MCU low-voltage communication harness is normal. If it is abnormal, please eliminate the abnormality; 5. If the fault persists, replace the MCU;
检查项目	1. 排查整车 BMS 是否正常，与其他部件通讯是否正常，如果异常请排除 BMS 故障； 2. 排查整车其他部件 CAN 通讯是否正常，如果异常请排除其他部件 CAN 通讯故障； 3. 排查 MCU 低压供电是否正常，如果异常请排除故障； 4. 排查 MCU 低压通讯线束是否正常，如果异常请排除异常； 5. 如果故障持续出现则更换 MCU ；

故障码 DTC	U0111
Possible Symptom	Warning prompt
可能的影响	告警提示
release condition	Start diagnosis in standby state, stop diagnosis after sleep
故障诊断码的运行条件	standby 状态开始诊断，休眠后停止诊断
Failure criteria	A timeout (10 times the communication cycle) or frame length error trigger occurs in any received frame of the Power CAN
故障诊断码的判断条件	动力 CAN 任意一个接收帧出现超时 (10 倍通信周期) 或者帧长度错误触发
healing condition	Ignition system power recovery
故障治愈条件	点火系统上下电恢复
系统反应（降扭或降速等)	告警提示

故障码 DTC	P1A6A
DTC Description	Drive internal communication failure
故障码描述	驱动器内部通信故障
Possible Cause	1. Abnormal interference causes abnormal communication; 2. MCU failure;
故障发生的可能原因	1. 异常干扰导致通信异常； 2. MCU 故障；
Check Items	1. If the fault is eliminated when the power is turned on again, it may be caused by abnormal interference. Please check whether the grounding wire and fastening screw of the whole vehicle are well connected, and whether the cable shielding layer is broken. If it is abnormal, check the abnormality; 2. If the fault persists, replace the MCU;
检查项目	1. 如果重新上电故障消除，则可能是异常干扰导致，请排查整车接地线和紧固螺钉是否连接良好，线缆屏蔽层是否破裂，如果异常请排查异常； 2. 如果故障持续出现则更换 MCU ；
Possible Symptom	Stop without AC output
可能的影响	停机，无交流输出
release condition	SBC communication alarm is self-checked once during initialization, and checked in the rest of the period
故障诊断码的运行条件	SBC 通信告警在初始化自检一次，其余周期检测
Failure criteria	Drive has internal communication failure
故障诊断码的判断条件	驱动器发生内部通信故障
healing condition	Ignition system will recover after 30 seconds after power off
故障治愈条件	点火系统下电 30 秒后恢复
系统反应（降扭或降速等）	停机

故障码 DTC	P0BFD
DTC Description	Output imbalance
故障码描述	输出不平衡
Possible Cause	1. The inconsistency of the three-phase windings of the motor leads to a large deviation of the three-phase current; 2. The torque of one of the fastening screws of the AC cable between the MCU and the motor is insufficient and the contact is poor; 3. MCU failure;
故障发生的可能原因	1. 电机三相绕组不一致导致三相电流偏差大； 2. MCU 与电机之间的 AC 线缆某一项紧固螺钉力矩不足，接触不良； 3. MCU 故障；
Check Items	1. Check whether the motor is normal, if it is abnormal, please troubleshoot the motor; 2. Check whether the AC cable connection between the MCU and the motor is reliable. If it is abnormal, please troubleshoot the cable; 3. If the fault persists, replace the MCU;
检查项目	1. 排查电机是否正常，如果异常请排除电机故障； 2. 排查 MCU 与电机之间 AC 线缆连接是否可靠，如果异常请排除线缆故障； 3. 如果故障持续出现则更换 MCU ；
Possible Symptom	Derated operation
可能的影响	降额运行
release condition	Start diagnosis in running state, stop diagnosis after exiting running state
故障诊断码的运行条件	运行状态开始诊断，退出运行态后停止诊断
Failure criteria	(Maximum effective value of three-phase current>20% of rated motor current) &&(Current unbalance degree>20%)
故障诊断码的判断条件	（三相电流有效值最大值 >20% 电机额定电流） && （电流不平衡度 >20%）
healing condition	Self-recovery after derating
故障治愈条件	降额自恢复

故障码 DTC	P0BFD
系统反应（降扭或降速等）	转矩最大值降为外特性转矩的 25%

故障码 DTC	P0C05
DTC Description	Output phase missing
故障码描述	输出缺相
Possible Cause	1. Abnormal interference causes abnormal communication; 2. MCU failure;
故障发生的可能原因	1. 异常干扰导致通信异常； 2. MCU 故障；
Check Items	1. If the fault is eliminated after power-on again, it may be caused by abnormal interference. Check whether the ground wire and fastening screw of the whole vehicle are well connected, and the cable shielding layer is Whether it is broken, please troubleshoot if abnormal 2. If the fault persists, replace the MCU
检查项目	1. 如果重新上电故障消除，则可能是异常干扰导致，请排 查整车接地线和紧固螺钉是否连接良好，线缆屏蔽层是 否破裂，如果异常请排查异常 2. 如果故障持续出现则更换 MCU
Possible Symptom	Warning prompt
可能的影响	告警提示
release condition	Start diagnosis in standby state, stop diagnosis when the board is powered off
故障诊断码的运行条件	standby 状态开始诊断，单板下电停止诊断
Failure criteria	EEPROM chip alarm, snapshot recording failed, lasting 10 cycles
故障诊断码的判断条件	EEPROM 芯片告警，快照记录失败，持续 10 个周期
healing condition	Ignition system will recover after 30 seconds after power off
故障治愈条件	点火系统下电 30 秒后恢复
系统反应（降扭或降速等）	告警提示

故障码 DTC	P1AA2
DTC Description	Data logging failed
故障码描述	数据记录失败
Possible Cause	1. The AC cable between the MCU and the motor is disconnected, short-circuited or damaged; 2. MCU failure;
故障发生的可能原因	1. MCU 与电机的 AC 线缆断开、短路和破损； 2. MCU 故障；
Check Items	1. Check whether the AC cable connection is normal, if it is abnormal, please troubleshoot the cable; 2. If the fault persists, replace the MCU;"
检查项目	1. 排查 AC 线缆连接是否正常，如果异常请排除线缆故障； 2. 如果故障持续出现则更换 MCU ；
Possible Symptom	Stop without AC output
可能的影响	停机，无交流输出
release condition	Start diagnosis in standby state, stop diagnosis after sleep
故障诊断码的运行条件	standby 状态开始诊断，休眠后停止诊断
Failure criteria	1) The zero drift calibration value is greater than the calibration threshold; 2) The sum of the three-phase current exceeds 50A; 3) DSP two-channel ADC result verification is abnormal; 1) or 2) or 3)
故障诊断码的判断条件	1）零漂校准值大于校准门限； 2）三相电流之和超过 50A ； 3） DSP 两路 ADC 结果校验异常； 1) or 2) or 3)
healing condition	Ignition system will recover after 30 seconds after power off
故障治愈条件	点火系统下电 30 秒后恢复
系统反应（降扭或降速等)	停机

故障码 DTC	P0BE6
DTC Description	Current sensor abnormal
故障码描述	电流传感器异常
Possible Cause	MCU failure
故障发生的可能原因	MCU 故障
Check Items	If the fault persists, replace the MCU
检查项目	如果故障持续出现则更换 MCU
Possible Symptom	Derated operation
可能的影响	降额运行
release condition	Start diagnosis in standby state, stop diagnosis after sleep
故障诊断码的运行条件	standby 状态开始诊断，休眠后停止诊断
Failure criteria	The drive temperature acquisition value is not in the reasonable range (- ∞ , -50] U [175, + ∞)
故障诊断码的判断条件	驱动器温度采集值不在合理范围 （- ∞ , -50] U [175, + ∞)
healing condition	Self-recovery after derating
故障治愈条件	降额自恢复
系统反应（降扭或降速等)	转矩最大值降为外特性转矩的 25%

故障码 DTC	P0AEE
DTC Description	Driver temperature sensor abnormal
故障码描述	驱动器温度传感器异常
Possible Cause	1. The temperature sensor cable between the MCU and the motor is disconnected, short-circuited or damaged, or the motor signal terminal is connected abnormally; 2. The NTC sensor of the motor is abnormal; 3. MCU failure;
故障发生的可能原因	1. MCU 与电机的温度传感器线缆断开、短路和破损或者电机信号端子连接异常； 2. 电机 NTC 传感器异常； 3. MCU 故障；
Check Items	1. Check whether the temperature sensor cable connection between the motor and MCU is normal. If it is abnormal, please troubleshoot the cable; 2. Check whether the motor NTC is normal. If it is abnormal, please troubleshoot the motor temperature sensor; 3. If the fault persists, replace the MCU;
检查项目	1. 排查电机与 MCU 连接的温度传感器线缆连接是否正常，如果异常请排除线缆故障； 2. 排查电机 NTC 是否正常，如果异常请排除电机温度传感器故障； 3. 如果故障持续出现则更换 MCU ；
Possible Symptom	Derated operation
可能的影响	降额运行
release condition	Start diagnosis in standby state, stop diagnosis after sleep
故障诊断码的运行条件	standby 状态开始诊断，休眠后停止诊断
Failure criteria	The collected value of the motor temperature is not in a reasonable range (- ∞ , -50] U [200, + ∞)
故障诊断码的判断条件	电机温度的采集值不在合理范围 （- ∞ , -50] U [200, + ∞)
healing condition	Self-recovery after derating
故障治愈条件	降额自恢复

故障码 DTC	P0AEE
系统反应（降扭或降速等)	转矩最大值降为外特性转矩的 25%

故障码 DTC	P0A2B
DTC Description	Motor temperature sensor abnormal
故障码描述	电机温度传感器故障
Possible Cause	MCU failure
故障发生的可能原因	MCU 故障
Check Items	If the fault persists, replace the MCU
检查项目	如果故障持续出现则更换 MCU
Possible Symptom	Warning prompt
可能的影响	告警提示
release condition	Start diagnosis in standby state, stop diagnosis after sleep
故障诊断码的运行条件	standby 状态开始诊断，休眠后停止诊断
Failure criteria	Deviation between U/V phase 40V
故障诊断码的判断条件	U/V 相之间偏差 40V
healing condition	Automatically reset after the fault is eliminated
故障治愈条件	故障消除后自动复位
系统反应（降扭或降速等）	告警提示

故障码 DTC	P0D2E
DTC Description	Bus voltage sensor fault
故障码描述	母线电压传感器故障
Possible Cause	1. The resolver sensor cable between the MCU and the motor is disconnected, short-circuited or damaged, or the motor signal terminal is connected abnormally; 2. The motor resolver sensor is abnormal; 3. The low voltage of the low-voltage battery or the poor connection of the low-voltage battery wire causes the MCU to alarm abnormally during startup; 4. MCU failure;
故障发生的可能原因	1. MCU 与电机的旋变传感器线缆断开、短路和破损或者电机信号端子连接异常； 2. 电机旋变传感器异常； 3. 低压电池电压低或者低压电池线接触不良导致启动时 MCU 异常告警； 4. MCU 故障；
Check Items	1. Check whether the resolver sensor cable connection between the motor and the MCU is normal. If it is abnormal, please troubleshoot the cable; 2. Check whether the motor resolver sensor is normal, if it is abnormal, please troubleshoot the motor resolver sensor; 3. Check whether the low-voltage battery voltage is normal. If it is abnormal, please troubleshoot the low-voltage battery; 4. Check whether the battery power cord is loose and whether the MCU low-voltage terminal is normal. If it is abnormal, remove the low-voltage wiring harness for connection failure; 5. If the fault persists, replace the MCU;
检查项目	1. 排查电机与 MCU 的旋变传感器线缆连接是否正常，如果异常请排除线缆故障； 2. 排查电机旋变传感器是否正常，如果异常请排除电机旋变传感器故障； 3. 排查低压电池电压是否正常，如果异常请排除低压电池故障； 4. 排查电池电源线是否松动、 MCU 低压端子是否正常，如果异常请拆除低压线束连接故障； 5. 如果故障持续出现则更换 MCU ；
Possible Symptom	Stop without AC output
可能的影响	停机，无交流输出

故障码 DTC	P0D2E
release condition	Start diagnosis in standby state, stop diagnosis after sleep
故障诊断码的运行条件	Standby 状态开始诊断，休眠后停止诊断
Failure criteria	The fault IO signal returned by the resolver sensor is high
故障诊断码的判断条件	旋变传感器返回的故障 IO 信号为高电平
healing condition	Ignition system will recover after 30 seconds after power off
故障治愈条件	点火系统下电 30 秒后恢复
系统反应（降扭或降速等）	停机

故障码 DTC	P0A3F
DTC Description	Position sensor detection circuit fault
故障码描述	位置传感器检测回路故障
Possible Cause	MCU failure
故障发生的可能原因	MCU 故障
Check Items	If the fault persists, replace the MCU
检查项目	如果故障持续出现则更换 MCU
Possible Symptom	Stop without AC output
可能的影响	停机，无交流输出
release condition	Start diagnosis in standby state, stop diagnosis after sleep
故障诊断码的运行条件	standby 状态开始诊断，休眠后停止诊断
Failure criteria	When the bus is greater than 30V, the active discharge command is not issued, and the circuit feedbacks that the discharge loop status is closed, and the active discharge loop fault is reported.
故障诊断码的判断条件	母线大于 30V 时，不下发主动放电命令，电路反馈放电回路状态闭合，则上报主动放电回路故障。
healing condition	Ignition system will recover after 30 seconds after power off
故障治愈条件	点火系统下电 30 秒后恢复
系统反应（降扭或降速等）	停机

故障码 DTC	P1A69
DTC Description	Active discharge circuit fault
故障码描述	主动放电回路故障
Possible Cause	1. The coolant leaks or the coolant temperature is too high; 2. The AC cable is broken or short-circuited between phases or ground; 3. Short circuit between the three phases of the motor or short circuit to ground; 4. The low voltage of the low-voltage battery or the poor connection of the low-voltage battery wire causes the MCU to alarm abnormally during startup; 5. MCU failure;
故障发生的可能原因	1. 冷却液泄露或者冷却液温度过高； 2. AC 线缆破损相间短路或对地短路； 3. 电机三相之间短路或对地短路； 4. 低压电池电压低或者低压电池线接触不良导致启动时 MCU 异常告警； 5. MCU 故障；
Check Items	1. Check whether there is leakage in the coolant pipeline, whether the cooling system is normal, and if it is abnormal, remove the cooling system failure; 2. Check whether the AC cable is normal. If it is abnormal, please eliminate the abnormality of the cable; 3. Check whether the impedance between the three phases of the motor is normal. If it is abnormal, remove the abnormal fault of the motor; 4. Check whether the battery power cord is loose and whether the MCU low-voltage terminal is normal. If it is abnormal, remove the low-voltage wiring harness for connection failure; 5. If the fault persists, replace the MCU;
检查项目	1. 排查冷却液管路是否有泄露，散热系统是否正常，如果异常则排除冷却系统故障； 2. 排查 AC 线缆是否正常，如果异常请排除线缆异常； 3. 排查电机三相之间阻抗是否正常，如果异常请排除电机异常故障； 4. 排查电池电源线是否松动、 MCU 低压端子是否正常，如果异常请拆除低压线束连接故障； 5. 如果故障持续出现则更换 MCU ；
Possible Symptom	Stop without AC output
可能的影响	停机，无交流输出

故障码 DTC	P1A69
release condition	Start diagnosis in standby state, stop diagnosis after sleep
故障诊断码的运行条件	standby 状态开始诊断，休眠后停止诊断
Failure criteria	1) OC: 1600A; 2) OT: 150° C; 3) drive undervoltage: 11.5V, 1) or 2) or 3)
故障诊断码的判断条件	1）OC：1600A； 2）OT：150 ℃； 3）驱动欠压：11.5V， 1） or 2） or 3）
healing condition	Ignition system will recover after 30 seconds after power off
故障治愈条件	点火系统下电 30 秒后恢复
系统反应（降扭或降速等)	停机

故障码 DTC	P0A3C
DTC Description	IGBT OC / OT failure
故障码描述	IGBT OC/OT 故障
Possible Cause	1. The DC cable connection in the power generation state is disconnected; 2. MCU failure;
故障发生的可能原因	1. 发电状态 DC 线缆连接断开； 2. MCU 故障；
Check Items	1. Check whether the DC cable connection is normal, if it is abnormal, please troubleshoot the cable; 2. Check whether the voltage status of the high-voltage battery of the vehicle is normal, if it is abnormal, please troubleshoot the high-voltage battery; 3. If the fault persists, replace the MCU;
检查项目	1. 排查 DC 线缆连接是否正常，如果异常请排除线缆故障； 2. 检查整车高压电池电压状态是否正常，如果异常请排查高压电池故障； 3. 如果故障持续出现则更换 MCU ；
Possible Symptom	Stop without AC output
可能的影响	停机，无交流输出
release condition	Start diagnosis in standby state, stop diagnosis after sleep
故障诊断码的运行条件	standby 状态开始诊断，休眠后停止诊断
Failure criteria	Greater than the protection threshold 505V
故障诊断码的判断条件	大于保护门限 505V
healing condition	Ignition system will recover after 30 seconds after power off
故障治愈条件	点火系统下电 30 秒后恢复
系统反应（降扭或降速等）	停机

故障码 DTC	P0C79
DTC Description	DC instantaneous overvoltage
故障码描述	直流瞬时过压
Possible Cause	1. The low voltage of the low-voltage battery or the poor connection of the low-voltage battery wire cause the MCU to alarm abnormally during startup; 2. MCU failure;"
故障发生的可能原因	1. 低压电池电压低或者低压电池线接触不良导致启动时 MCU 异常告警； 2. MCU 故障；
Check Items	1. Check whether the battery power cord is loose and whether the MCU low-voltage terminal is normal. If it is abnormal, remove the low-voltage wiring harness for connection failure; 2. If the fault persists, replace the MCU;
检查项目	1. 排查电池电源线是否松动、 MCU 低压端子是否正常，如果异常请拆除低压线束连接故障； 2. 如果故障持续出现则更换 MCU ；
Possible Symptom	Stop without AC output
可能的影响	停机，无交流输出
release condition	Start diagnosis in standby state, stop diagnosis after sleep
故障诊断码的运行条件	standby 状态开始诊断，休眠后停止诊断
Failure criteria	"Boost_Power>18.13V; Boost_Power<14.56V;"
故障诊断码的判断条件	"Boost_Power>18.13V; Boost_Power<14.56V;"
healing condition	Ignition system will recover after 30 seconds after power off
故障治愈条件	点火系统下电 30 秒后恢复
系统反应（降扭或降速等）	停机

故障码 DTC	P1A83
DTC Description	Drive power failure
故障码描述	驱动电源故障
Possible Cause	1. The AC cable is broken and short-circuited between phases or to ground; 2. Short circuit between the three phases of the motor or short circuit to ground; 3. The motor resolver angle is wrong; 4. MCU failure;"
故障发生的可能原因	1. AC 线缆破损相间短路或对地短路； 2. 电机三相之间短路或对地短路； 3. 电机旋变角度错误； 4. MCU 故障；
Check Items	1. Check whether the AC cable is normal, if it is abnormal, please eliminate the cable abnormality 2. Check whether the impedance between the three phases of the motor is normal. If it is abnormal, remove the abnormal fault of the motor; 3. Check whether the output angle of the motor resolver is normal. If it is abnormal, please eliminate the abnormality of the motor; 4. If the fault persists, replace the MCU;
检查项目	1. 排查 AC 线缆是否正常，如果异常请排除线缆异常 2. 排查电机三相之间阻抗是否正常，如果异常请排除电机异常故障； 3. 排查电机旋变输出角度是否正常，如果异常请排除电机异常； 4. 如果故障持续出现则更换 MCU ；
Possible Symptom	Stop without AC output
可能的影响	停机，无交流输出
release condition	Start diagnosis in standby state, stop diagnosis after sleep
故障诊断码的运行条件	standby 状态开始诊断，休眠后停止诊断
Failure criteria	Greater than the protection threshold 780A
故障诊断码的判断条件	大于保护门限 780A
healing condition	gnition system will recover after 30 seconds after power off

故障码 DTC	P1A83
故障治愈条件	点火系统下电 30 秒后恢复
系统反应（降扭或降速等）	停机

故障码 DTC	P0C01
DTC Description	Output instantaneous overcurrent
故障码描述	输出瞬时过流
Possible Cause	MCU failure
故障发生的可能原因	MCU 故障
Check Items	If the fault persists, replace the MCU
检查项目	如果故障持续出现则更换 MCU
Possible Symptom	Stop without AC output
可能的影响	停机，无交流输出
release condition	Start diagnosis in running state, stop diagnosis after exiting running state
故障诊断码的运行条件	运行状态开始诊断，退出运行态后停止诊断
Failure criteria	Detect that the drive signal of the upper and lower tubes of the same bridge arm is directly connected
故障诊断码的判断条件	检测到同一桥臂上下管驱动信号直通
healing condition	Ignition system will recover after 30 seconds after power off
故障治愈条件	点火系统下电 30 秒后恢复
系统反应（降扭或降速等）	停机

故障码 DTC	P1ABD
DTC Description	Wave generation verification failed
故障码描述	发波校验失败
Possible Cause	1. The high-voltage interlock pins in the DC wiring harness terminal or the DC socket on the MCU are abnormally hitting, corroded, and poor contact; 2. The AC cover is not locked, causing the high-voltage interlock micro switch to not close; 3. The micro switch next to the AC terminal is damaged and cannot be closed by pressing down; 4. Damage to the shielding layer of the low-voltage wiring harness causes CAN communication interference; 5. MCU failure;
故障发生的可能原因	1. DC 线束端子或 MCU 上 DC 插座内高压互锁插针异常撞针、腐蚀、接触不良； 2. AC 盖板未锁紧，导致高压互锁微动开关未闭合； 3. AC 接线端子旁微动开关损坏无法下压闭合； 4. 低压线束屏蔽层破损导致 CAN 通讯干扰； 5. MCU 故障；
Check Items	1. Check whether the high voltage interlock pins in the DC wiring harness terminal or the DC socket on the MCU are normal. If it is abnormal, please troubleshoot; 2. Check whether the AC cover of the MCU is locked in place, if it is abnormal, please troubleshoot; 3. Check whether the micro switch of the MCU is normal, if it is abnormal, please replace the MCU; 4. Check whether the low-voltage wiring harness of the MCU is normal. If it is abnormal, please eliminate the abnormality; 5. If the fault persists, replace the MCU;
检查项目	1. 排查 DC 线束端子或 MCU 上 DC 插座内高压互锁插针是否正常，如果异常请排除故障； 2. 排查 MCU 的 AC 盖板是否锁紧到位，如果异常请排除故障； 3. 排查 MCU 的微动开关是否正常，如果异常请更换 MCU ； 4. 排查 MCU 的低压线束是否正常，如果异常请排除异常； 5. 如果故障持续出现则更换 MCU ；

故障码 DTC	P1ABD
Possible Symptom	Derated operation
可能的影响	降额运行
release condition	Start diagnosis in standby state, stop diagnosis after sleep
故障诊断码的运行条件	standby 状态开始诊断，休眠后停止诊断
Failure criteria	After any node is disconnected, the detection circuit is judged to be a high-voltage interlock failure, and the wave is shut down
故障诊断码的判断条件	任意一个节点断开后，检测电路判断为高压互锁故障，封波停机
healing condition	Ignition system will recover after 30 seconds after power off
故障治愈条件	点火系统下电 30 秒后恢复
系统反应（降扭或降速等）	转矩最大值降为外特性转矩的 25%

故障码 DTC	P1ABF
DTC Description	High voltage interlock failure
故障码描述	高压互锁故障
Possible Cause	1. The resolver sensor cable between the MCU and the motor is disconnected, short-circuited or damaged, or the motor signal terminal is connected abnormally; 2. The motor resolver sensor is abnormal; 3. The AC cables between the MCU and the motor are disconnected, short-circuited and damaged; 4. MCU failure;
故障发生的可能原因	1. MCU 与电机的旋变传感器线缆断开、短路和破损或者电机信号端子连接异常； 2. 电机旋变传感器异常； 3. MCU 与电机的 AC 线缆断开、短路和破损； 4. MCU 故障；

故障码 DTC	P1ABF
Check Items	1. Check whether the resolver sensor cable connection between the motor and the MCU is normal. If it is abnormal, please troubleshoot the cable; 2. Check whether the motor resolver sensor is normal, if it is abnormal, please troubleshoot the motor resolver sensor; 3. Check whether the AC cable connection is normal, if it is abnormal, please troubleshoot the cable; 4. If the fault persists, replace the MCU;
检查项目	1. 排查电机与 MCU 的旋变传感器线缆连接是否正常，如果异常请排除线缆故障； 2. 排查电机旋变传感器是否正常，如果异常请排除电机旋变传感器故障； 3. 排查 AC 线缆连接是否正常，如果异常请排除线缆故障； 4. 如果故障持续出现则更换 MCU ；
Possible Symptom	Stop without AC output
可能的影响	停机，无交流输出
release condition	Start diagnosis in standby state, stop diagnosis after sleep
故障诊断码的运行条件	Standby 状态开始诊断，休眠后停止诊断
Failure criteria	The estimated torque is greater than the given torque by 40Nm
故障诊断码的判断条件	估算转矩大于给定转矩 40Nm
healing condition	Ignition system will recover after 30 seconds after power off
故障治愈条件	点火系统下电 30 秒后恢复
系统反应（降扭或降速等）	停机

故障码 DTC	P1ABE
DTC Description	Torque check failure
故障码描述	转矩校验故障
Possible Cause	1. The main relay sticks when performing discharge; 2. MCU failure;
故障发生的可能原因	1. 执行放电时主继电器粘连； 2. MCU 故障；
Check Items	1. Check whether the high-voltage battery pack normally disconnects the contactor, if it is abnormal, please troubleshoot; 2. If the fault persists, replace the MCU"
检查项目	1. 排查高压电池包是否正常断开接触器，如果异常请排除故障； 2. 如果故障持续出现则更换 MCU"
Possible Symptom	Warning prompt
可能的影响	告警提示
release condition	Start diagnosis in standby state, stop diagnosis after sleep
故障诊断码的运行条件	standby 状态开始诊断，休眠后停止诊断
Failure criteria	Failure to discharge the DC voltage below 60V within the specified time
故障诊断码的判断条件	没有在规定的时间内将直流电压泄放到 60V 以下
healing condition	Ignition system will recover after 30 seconds after power off
故障治愈条件	点火系统下电 30 秒后恢复
系统反应（降扭或降速等）	告警提示

故障码 DTC	P1AB4
DTC Description	Active discharge fault
故障码描述	主动放电故障
Possible Cause	1. Low-voltage battery voltage or DC/DC power supply voltage is too low; 2. The low-voltage battery wire is in poor contact; 3. Abnormal interference causes abnormal communication; 4. MCU failure;
故障发生的可能原因	1. 低压电池电压或 DC/DC 供电电压过低； 2. 低压电池线接触不良； 3. 异常干扰导致通信异常； 4. MCU 故障；
Check Items	1. Check whether the low-voltage battery voltage or DC/DC power supply voltage is normal. If it is abnormal, remove the fault; 2. Check whether the low-voltage battery harness connection is normal, if it is abnormal, please troubleshoot; 3. If the fault is eliminated when the power is turned on again, it may be caused by abnormal interference. Please check whether the grounding wire and fastening screw of the whole vehicle are well connected, and whether the cable shielding layer is broken. If it is abnormal, check the abnormality; 4. If the fault persists, replace the MCU;
检查项目	1. 排查低压电池电压或 DC/DC 供电电压是否正常，如果异常请拆除故障； 2. 排查低压电池线束连接是否正常，如果异常请排除故障； 3. 如果重新上电故障消除，则可能是异常干扰导致，请排查整车接地线和紧固螺钉是否连接良好，线缆屏蔽层是否破裂，如果异常请排查异常； 4. 如果故障持续出现则更换 MCU；
Possible Symptom	Stop without AC output
可能的影响	停机，无交流输出
release condition	Self-check once after KL15 is ON, register readback cycle check
故障诊断码的运行条件	KL15 ON 后自检一次，寄存器回读周期检测
Failure criteria	Self-check once after KL15 is ON, register readback cycle check

故障码 DTC	P1AB4
故障诊断码的判断条件	KL15 ON 后自检一次，寄存器回读周期检测
healing condition	Ignition system will recover after 30 seconds after power off
故障治愈条件	点火系统下电 30 秒后恢复
系统反应（降扭或降速等）	停机

故障码 DTC	P1ABC
DTC Description	BIT Fault
故障码描述	自检失败
Possible Cause	1. The coolant leaks or the coolant temperature is too high; 2. MCU failure;
故障发生的可能原因	1. 冷却液泄露或者冷却液温度过高； 2. MCU 故障；
Check Items	1. Check whether there is leakage in the coolant pipeline, whether the cooling system is normal, and if it is abnormal, remove the cooling system failure; 2. If the fault persists, replace the MCU;
检查项目	1. 排查冷却液管路是否有泄露，散热系统是否正常，如果异常则排除冷却系统故障； 2. 如果故障持续出现则更换 MCU ；
Possible Symptom	Stop without AC output
可能的影响	停机，无交流输出
release condition	tart diagnosis in standby state, stop diagnosis after sleep
故障诊断码的运行条件	Sstandby 状态开始诊断，休眠后停止诊断
Failure criteria	Control panel temperature is greater than the protection threshold 120 ℃
故障诊断码的判断条件	控制板温大于保护门限
healing condition	120 ℃ Ignition system will recover after 30 seconds after power off
故障治愈条件	点火系统下电 30 秒后恢复
系统反应（降扭或降速等）	停机

故障码 DTC	P1A7B
DTC Description	Over temperature of veneer
故障码描述	单板过温
Possible Cause	MCU does not perform anti-theft learning or anti-theft information is lost
故障发生的可能原因	MCU 未进行防盗学习或者防盗信息丢失
Check Items	1. If this fault is reported after power off and power on again, it is recommended to perform the anti-theft inspection again; 2. If this fault is reported after electrical inspection, replace the MCU immediately; 1. Check the software and hardware versions of the MCU and the body controller. If the software and hardware versions are correct, if the fault is reported after the power is turned off and on again, the MCU needs to be checked against theft;
检查项目	1. 下电重新上电如还报此故障，建议重新进行防盗电检； 2. 若电检后报此故障，则立即更换 MCU ；
Possible Symptom	Warning prompt
可能的影响	告警提示
release condition	Start diagnosis after KL15 is ON, stop diagnosis after entering the running state
故障诊断码的运行条件	KL15 ON 后开始诊断，进入运行态后停止诊断
Failure criteria	Keyless data storage
故障诊断码的判断条件	无密匙数据存储
healing condition	Ignition system will recover after 30 seconds after power off
故障治愈条件	点火系统下电 30 秒后恢复
系统反应（降扭或降速等）	停机

故障码 DTC	P0633
DTC Description	Drive has no key information
故障码描述	驱动器无密匙信息
Possible Cause	MCU anti-theft information does not match the body controller
故障发生的可能原因	MCU 防盗信息与车身控制器不匹配
Check Items	2. If the fault is still reported after the electrical inspection, replace the MCU immediately;
检查项目	1. 检查 MCU 及车身控制器软、硬件版本，若软、硬件版本正确，下电重新上电如还报此故障，则需对 MCU 重新进行防盗电检； 2. 若电检后仍报此故障，则立即更换 MCU ；
Possible Symptom	Warning prompt
可能的影响	告警提示
release condition	Start diagnosis after KL15 is ON, stop diagnosis after entering the running state
故障诊断码的运行条件	KL15 ON 后开始诊断，进入运行态后停止诊断
Failure criteria	Response data does not match
故障诊断码的判断条件	应答数据不匹配
healing condition	Ignition system will recover after 30 seconds after power off
故障治愈条件	点火系统下电 30 秒后恢复
系统反应（降扭或降速等）	停机

故障码 DTC	P0513
DTC Description	Sim answer error
故障码描述	SIM 应答错误
Possible Cause	MCU anti-theft information does not match the body controller
故障发生的可能原因	MCU 防盗信息与车身控制器不匹配
Check Items	1. Check the software and hardware versions of the MCU and the body controller. If the software and hardware versions are correct, power off and on again if the fault is reported, the MCU must be checked against theft; 2. If the fault is still reported after the electrical inspection, replace the MCU immediately;
检查项目	1. 检查 MCU 及车身控制器软、硬件版本，若软、硬件版本正确，下电重新上电如还报此故障，则需对 MCU 重新进行防盗电检； 2. 若电检后仍报此故障，则立即更换 MCU ；
Possible Symptom	Warning prompt
可能的影响	告警提示
release condition	Start diagnosis after KL15 is ON, stop diagnosis after entering the running state
故障诊断码的运行条件	KL15 ON 后开始诊断，进入运行态后停止诊断
Failure criteria	Sim keyless data storage
故障诊断码的判断条件	sim 无密匙数据存储
healing condition	Ignition system will recover after 30 seconds after power off
故障治愈条件	点火系统下电 30 秒后恢复
系统反应（降扭或降速等）	停机

故障码 DTC	P1ABA
DTC Description	Invalid SIM response
故障码描述	SIM 应答无效
Possible Cause	The body controller does not respond during the anti-theft authentication process
故障发生的可能原因	车身控制器在防盗认证过程中无应答
Check Items	Check the software and hardware versions of the body controller. If the software and hardware versions are correct, click If this fault is reported after power on again, you need to replace the body controller
检查项目	检查车身控制器软、硬件版本，若软、硬件版本正确，下 电重新上电如还报此故障，则需更换车身控制器
Possible Symptom	Warning prompt
可能的影响	告警提示
release condition	Start diagnosis after KL15 is ON, stop diagnosis after entering the running state
故障诊断码的运行条件	KL15 ON 后开始诊断，进入运行态后停止诊断
Failure criteria	Anti-theft authentication timeout
故障诊断码的判断条件	防盗认证超时
healing condition	Ignition system will recover after 30 seconds after power off
故障治愈条件	点火系统下电 30 秒后恢复
系统反应（降扭或降速等）	停机

故障码 DTC	P1AB1
DTC Description	Security authentication timeout
故障码描述	防盗认证超时
Possible Cause	MCU anti-theft information does not match the body controller
故障发生的可能原因	MCU 防盗信息与车身控制器不匹配
Check Items	1. Check the software and hardware versions of the MCU and the body controller. If the software and hardware versions are correct, if the fault is reported after the power is turned off and on again, the MCU needs to be checked against theft; 2. If the fault is still reported after the electrical inspection, replace the MCU immediately;
检查项目	1. 检查 MCU 及车身控制器软、硬件版本，若软、硬件版本正确，下电重新上电如还报此故障，则需对 MCU 重新进行防盗电检； 2. 若电检后仍报此故障，则立即更换 MCU ；
Possible Symptom	Warning prompt
可能的影响	告警提示
release condition	Start diagnosis after KL15 is ON, stop diagnosis after entering the running state
故障诊断码的运行条件	KL15 ON 后开始诊断，进入运行态后停止诊断
Failure criteria	Default key does not match
故障诊断码的判断条件	默认密匙不匹配
healing condition	gnition system will recover after 30 seconds after power off
故障治愈条件	点火系统下电 30 秒后恢复
系统反应（降扭或降速等）	停机

故障码 DTC	P1ABB
DTC Description	Invalid SIM teaching request
故障码描述	SIM 教学请求无效
Possible Cause	1. The resolver sensor cable between the MCU and the motor is disconnected, short-circuited, or damaged, or the motor signal terminal is connected abnormally; 2. The motor resolver sensor is abnormal; 3. Wrong wiring of AC wiring harness; 4. The installation position of the resolver sensor is shifted; 5. MCU failure;
故障发生的可能原因	1. MCU 与电机的旋变传感器线缆断开、短路和破损或者电机信号端子连接异常； 2. 电机旋变传感器异常； 3. AC 线束接线错误； 4. 旋变传感器安装位置发生偏移； 5. MCU 故障；
Check Items	1. Check whether the resolver sensor cable connection between the motor and the MCU is normal. If it is abnormal, please troubleshoot the cable; 2. Check whether the motor resolver sensor is normal, if it is abnormal, please troubleshoot the motor resolver sensor; 3. Check whether the AC wiring harness is connected correctly, if it is abnormal, please troubleshoot the cable; 4. Check whether the installation position of the motor resolver sensor is normal. If it is abnormal, please tighten the resolver sensor and perform the resolver offset angle calibration; 5. If the fault persists, replace the MCU;
检查项目	1. 排查电机与 MCU 的旋变传感器线缆连接是否正常，如果异常请排除线缆故障； 2. 排查电机旋变传感器是否正常，如果异常请排除电机旋变传感器故障； 3. 检查 AC 线束连接是否正确，如果异常请排除线缆故障； 4. 检查电机旋变传感器安装位置是否正常，如果异常请紧固旋变传感器后进行旋变偏置角校准； 5. 如果故障持续出现则更换 MCU ；
Possible Symptom	Derated operation
可能的影响	降额运行
release condition	Start diagnosis in running state, stop diagnosis after exiting running state

故障码 DTC	P1ABB
故障诊断码的运行条件	运行状态开始诊断，退出运行态后停止诊断
Failure criteria	After power-on, the first wave is sent to check the resolver offset, and an alarm is reported when it exceeds 10°
故障诊断码的判断条件	上电后首次发波检查旋变偏移，超过 10°时上报告警
healing condition	Ignition system will recover after 30 seconds after power off
故障治愈条件	点火系统下电 30 秒后恢复
系统反应（降扭或降速等）	转矩最大值降为外特性转矩的 25%

故障码 DTC	P0C17
DTC Description	Rotary deflection angle calibration failed
故障码描述	旋变偏置角校准失败
Possible Cause	2. The motor resolver sensor is abnormal;
故障发生的可能原因	旋变偏置角校准失败
Check Items	
检查项目	NA
Possible Symptom	Derated operation
可能的影响	降额运行
release condition	Start diagnosis in running state, stop diagnosis after exiting running state
故障诊断码的运行条件	运行状态开始诊断，退出运行态后停止诊断
Failure criteria	1. Under the power generation condition, the bus voltage is greater than 425V and starts to derate, and if it is greater than 435V, it is derated to 0; 2.No detection under electric conditions.
故障诊断码的判断条件	1. 发电工况下，母线电压大于 425V 开始降额，大于 435V 降额到 0； 2. 电动工况下不检测。
healing condition	Self-recovery after derating exit
故障治愈条件	降额退出自恢复
系统反应（降扭或降速等）	降额输出

故障码 DTC	P0C79
DTC Description	DC bus overvoltage
故障码描述	直流母线过压降额
Possible Cause	3. Wrong wiring of AC wiring harness;
故障发生的可能原因	直流母线过压降额
Check Items	
检查项目	NA
Possible Symptom	Derated operation
可能的影响	降额运行
release condition	Start diagnosis in running state, stop diagnosis after exiting running state
故障诊断码的运行条件	运行状态开始诊断，退出运行态后停止诊断
Failure criteria	230V, start derating if less than 260V, derate to 0 if less than 230V.
故障诊断码的判断条件	230V，小于 260V 开始降额，小于 230V 降额到 0。
healing condition	Self-recovery after derating exit
故障治愈条件	降额退出自恢复
系统反应（降扭或降速等）	降额输出

故障码 DTC	P1A60
DTC Description	DC bus under voltage drop
故障码描述	直流母线欠压降额
Possible Cause	The installation position of the resolver sensor is shifted;
故障发生的可能原因	直流母线欠压降额
Check Items	
检查项目	NA
Possible Symptom	Derated operation
可能的影响	降额运行
release condition	Start diagnosis in running state, stop diagnosis after exiting running state
故障诊断码的运行条件	运行状态开始诊断，退出运行态后停止诊断
Failure criteria	Start to derate above 145 ℃ , and derate to 0 when above 160 ℃ .
故障诊断码的判断条件	大于 145 ℃开始降额，大于 160 ℃降额到 0。
healing condition	Self-recovery after derating exit
故障治愈条件	降额退出自恢复
系统反应（降扭或降速等）	降额输出

故障码 DTC	P0A2F
DTC Description	Motor over temperature derating
故障码描述	电机过温降额
Possible Cause	MCU failure;
故障发生的可能原因	电机过温降额
Check Items	
检查项目	NA
Possible Symptom	Derated operation
可能的影响	降额运行
release condition	Start diagnosis in running state, stop diagnosis after exiting running state
故障诊断码的运行条件	运行状态开始诊断，退出运行态后停止诊断
Failure criteria	Derating starts when the temperature is above 127 ℃ , and derating to 0 when the temperature is above 135 ℃ .
故障诊断码的判断条件	大于 127 ℃开始降额，大于 135 ℃降额到 0。
healing condition	Self-recovery after derating exit
故障治愈条件	降额退出自恢复
系统反应（降扭或降速等）	降额输出

故障码 DTC	P0AEE
DTC Description	Drive over temperature derating
故障码描述	驱动器过温降额
Possible Cause	Drive over temperature derating
故障发生的可能原因	驱动器过温降额
Check Items	
检查项目	NA
Possible Symptom	Derated operation
可能的影响	降额运行
release condition	Start diagnosis in running state, stop diagnosis after exiting running state
故障诊断码的运行条件	运行状态开始诊断，退出运行态后停止诊断
Failure criteria	The derating starts when the rpm is greater than 10300 rpm, and the derating is 0 when the rpm is greater than 11,330 rpm.
故障诊断码的判断条件	大于 10300rpm 开始降额，大于 11330rpm 降额为 0。
healing condition	Self-recovery after derating exit
故障治愈条件	降额退出自恢复
系统反应（降扭或降速等）	降额输出

故障码 DTC	P0A44
DTC Description	Motor forward over speed derating
故障码描述	电机正向过速降额
Possible Cause	Motor forward over speed derating
故障发生的可能原因	电机正向过速降额
Check Items	
检查项目	NA
Possible Symptom	Derated operation
可能的影响	降额运行
release condition	Start diagnosis in running state, stop diagnosis after exiting running state
故障诊断码的运行条件	运行状态开始诊断，退出运行态后停止诊断
Failure criteria	Derating starts when it is less than -4000rpm, and derating to 0 when it is less than -5000rpm.
故障诊断码的判断条件	小于 -4000rpm 开始降额，小于 -5000rpm 降额为 0。
healing condition	Self-recovery after derating exit
故障治愈条件	降额退出自恢复
系统反应（降扭或降速等）	降额输出

故障码 DTC	P0A44
DTC Description	Motor reverse over speed derating
故障码描述	电机反向过速降额
Possible Cause	Motor reverse over speed derating
故障发生的可能原因	电机反向过速降额
Check Items	
检查项目	NA
Possible Symptom	Derated operation
可能的影响	降额运行
release condition	Start diagnosis in running state, stop diagnosis after exiting running state
故障诊断码的运行条件	运行状态开始诊断，退出运行态后停止诊断
Failure criteria	The motor temperature is greater than 135° C and the heat accumulation derating starts
故障诊断码的判断条件	电机温度大于 135° C 开始热累积降额
healing condition	Self-recovery after derating exit
故障治愈条件	降额退出自恢复
系统反应（降扭或降速等）	降额输出

故障码 DTC	P1A92
DTC Description	Motor overload derating
故障码描述	电机过载降额
Possible Cause	Motor overload derating
故障发生的可能原因	电机过载降额
Check Items	
检查项目	NA
Possible Symptom	Derated operation
可能的影响	降额运行
release condition	nitialized state self-check once
故障诊断码的运行条件	初始化状态自检一次
Failure criteria	Abnormal program flow monitoring or abnormal DSP ESM monitoring module
故障诊断码的判断条件	程序流监控异常或 DSP 的 ESM 监控模块异常
healing condition	gnition system will recover after 30 seconds after power off
故障治愈条件	点火系统下电 30 秒后恢复
系统反应（降扭或降速等）	告警提示

VCU-C1 故障码及故障类型描述汇总

Description on the fault code and failure type

故障码 DTC	DTC Description	故障码描述
P0641	Sensor power supply 5V1 voltage fault VP	传感器供电 5V1 电压故障 VP
P0651	Sensor power supply 5V2 voltage failure AP1 BP	传感器供电 5V2 电压故障 AP1 BP
P0697	Sensor power supply 5V3 voltage failure AP2 HL	传感器供电 5V3 电压故障 AP2 HL
P0563	System voltage is too high	系统电压过高
P0562	System voltage is too low	系统电压过低
P057D	Brake pedal position sensor STB failure	制动踏板位置传感器 STB 故障
P057C	Brake pedal position sensor STG failure	制动踏板位置传感器 STG 故障
P057A	Brake pedal position sensor OPEN	制动踏板位置传感器 OPEN
P057B	Brake pedal position sensor voltage out of range	制动踏板位置传感器电压超范围
P0571	Reasonable diagnosis of brake pedal position sensor	制动踏板位置传感器合理性诊断
P0558	Failure of brake vacuum sensor STB	刹车真空度压力传感器 STB 故障
P0557	Failure of brake vacuum pressure sensor STG	刹车真空度压力传感器 STG 故障
P0555	Brake vacuum pressure sensor OPEN	刹车真空度压力传感器 OPEN
P0556	Brake vacuum pressure sensor voltage out of range	刹车真空度压力传感器电压超范围
P1C70	Reasonable diagnosis of brake vacuum pressure sensor	刹车真空度压力传感器合理性诊断
P1C71	Brake vacuum booster pump continuous overload warning	刹车真空助力泵连续过载警告
P1C72	Brake vacuum booster pump continuous overload protection	刹车真空助力泵连续过载保护
P258D	Brake Vacuum Booster Relay STB	刹车真空助力泵继电器 STB
P258C	Brake Vacuum Booster Relay STG	刹车真空助力泵继电器 STG
P258A	Brake vacuum booster pump OPEN	刹车真空助力泵继电器 OPEN
P050F	Vacuum pump system leakage	真空泵系统 leakage
P2123	Accelerator pedal position sensor 1STB	加速踏板位置传感器 1STB

故障码 DTC	DTC Description	故障码描述
P2122	Accelerator pedal position sensor 1STG	加速踏板位置传感器 1STG
P2120	Accelerator pedal position sensor 1OPEN	加速踏板位置传感器 1OPEN
P2128	Accelerator pedal position sensor 2STB	加速踏板位置传感器 2STB
P2127	Accelerator pedal position sensor 2STG	加速踏板位置传感器 2STG
P2125	Accelerator pedal position sensor 2OPEN	加速踏板位置传感器 2OPEN
P2135	Accelerator pedal position sensor 1 voltage out of range	加速踏板位置传感器 1 电压超范围
P2136	Accelerator pedal position sensor 2 voltage out of range	加速踏板位置传感器 2 电压超范围
P2138	Accelerator pedal input signal 1 is not consistent with accelerator pedal input signal 2	加速踏板输入信号 1 与加速踏板输入信号 2 不一致
P1C00	Motor controller water inlet temperature sensor STB	电机控制器入水口温度传感器 STB
P1C01	Motor controller water inlet temperature sensor STG	电机控制器入水口温度传感器 STG
P1C02	Motor controller water inlet temperature sensor OPEN	电机控制器入水口温度传感器 OPEN
P1C03	Reasonable diagnosis of temperature sensor input of water inlet of motor controller	电机控制器入水口温度传感器输入合理性诊断
P1C50	Drive motor oil inlet temperature sensor STB	驱动电机入油口温度传感器 STB
P1C51	Drive motor inlet temperature sensor STG	驱动电机入油口温度传感器 STG
P1C52	Drive motor oil inlet temperature sensor OPEN	驱动电机入油口温度传感器 OPEN
P1C53	Reasonable diagnosis of temperature sensor input of oil inlet of drive motor	驱动电机入油口温度传感器输入合理性诊断
P0692	Fan relay 1 control terminal STB	风扇继电器 1 控制端 STB
P0691	Fan relay 1 control terminal STG	风扇继电器 1 控制端 STG
P0480	Fan relay 1 control terminal OPEN	风扇继电器 1 控制端 OPEN
P0694	Fan relay 2 control terminal STB	风扇继电器 2 控制端 STB
P0693	Fan relay 2 control terminal STG	风扇继电器 2 控制端 STG
P0481	Fan relay 2 control terminal OPEN	风扇继电器 2 控制端 OPEN

故障码 DTC	DTC Description	故障码描述
P0696	Fan relay 3 control terminal STB	风扇继电器 3 控制端 STB
P0695	Fan relay 3 control terminal STG	风扇继电器 3 控制端 STG
P0482	Fan relay 3 control terminal OPEN	风扇继电器 3 控制端 OPEN
P0A07	Motor controller cooling system water pump output STB	电机控制器冷却系统水泵输出 STB
P0A06	Motor controller cooling system water pump output STG	电机控制器冷却系统水泵输出 STG
P0A05	Motor controller cooling system water pump output OPEN	电机控制器冷却系统水泵输出 OPEN
P1C10	Motor controller cooling system water pump dry running without water	电机控制器冷却系统水泵无水干转
P1C11	Motor controller cooling system water pump blocked	电机控制器冷却系统水泵堵转
P1C12	Motor controller cooling system water pump overtemperature	电机控制器冷却系统水泵过温
P1C13	Motor controller cooling system water pump speed is too low	电机控制器冷却系统水泵转速过低
P1C60	Oil pump motor phase open circuit failure	油泵电机相开路故障
P1C61	Oil pump motor idling fault	油泵电机空转故障
P1C62	Oil pump motor stall fault	油泵电机堵转故障
P1C63	Drive motor outlet temperature sensor STB	驱动电机出油口温度传感器 STB
P1C64	Drive motor outlet temperature sensor STG	驱动电机出油口温度传感器 STG
P1C65	Temperature sensor of drive motor oil outlet OPEN	驱动电机出油口温度传感器 OPEN
P1C66	Board temperature over temperature fault	板温过温故障
P1C67	System voltage overvoltage fault	系统电压过压故障
P1C68	System voltage undervoltage fault	系统电压欠压故障
P0687	Main relay control terminal STB	主继电器控制端 STB
P0686	Main relay control terminal STG	主继电器控制端 STG
P0688	Main relay control terminal OPEN	主继电器控制端 OPEN
P1C20	Power limitation	动力限制
P1C21	Power off	动力关闭
P1C22	High voltage power failure	高压上电失败

故障码 DTC	DTC Description	故障码描述
U0121	Lost with Communication between VCU and ESP	VCU 与 ESP 通信丢失
U0151	Lost with Communication between VCU and SRS	VCU 与 SRS 通信丢失
U0101	Lost with Communication between VCU and TCU	VCU 与 TCU 通信丢失
U0294	Lost with Communication between VCU and EMS	VCU 与 EMS 通信丢失
U0140	Lost with Communication between VCU and BCM	VCU 与 BCM 通信丢失
U0298	Lost with Communication between VCU and DCDC	VCU 与 DCDC 通信丢失
U0291	Lost with Communication between VCU and SCU	VCU 与 SCU 通信丢失
U0110	Lost with Communication between VCU and PEU	VCU 与 PEU 通信丢失
U0111	Lost with Communication between VCU and BMS	VCU 与 BMS 通信丢失
U019B	Lost with Communication between VCU and OBC	VCU 与 OBC 通信丢失
U1113	Lost with Communication between VCU and FEM	VCU 与 FEM 通信丢失
U01BA	Lost with Communication between VCU and EPP	VCU 与 EPP 通信丢失
U0128	Lost with Communication between VCU and EPB	VCU 与 EPB 通信丢失
U1114	Lost with Communication between VCU and ADAS	VCU 与 ADAS 通信丢失
U0164	Lost with Communication between VCU and HCM	VCU 与 HCM 通信丢失
U0155	Lost with Communication between VCU and IPK	VCU 与 IPK 通信丢失
U0156	Lost with Communication between VCU and FICM	VCU 与 FICM 通信丢失
U1112	Lost with Communication between VCU and TBOX	VCU 与 TBOX 通信丢失
U1115	Lost with Communication between VCU and BPTC	VCU 与 BPTC 通信丢失
U0073	PTCAN bus off	PTCAN 总线关闭
U0074	EPTCAN bus off	EPTCAN 总线关闭

故障码 DTC	DTC Description	故障码描述
P1C40	The actual torque is higher than the driver's demand torque	实际扭矩高于驾驶员需求扭矩
P1C41	The actual torque is lower than the driver's demand torque	实际扭矩低于驾驶员需求扭矩
P058A	IBS-LIN	IBS-LIN
U029A	Lost with Communication between VCU and IBS	VCU 与 IBS 通讯丢失
U029B	Lost with Communication between VCU and MCPC	VCU 与 MCPC 通讯丢失
P1C73	LH fork displacement sensor STB	LH 拨叉位移传感器 STB
P1C74	LH fork displacement sensor STG	LH 拨叉位移传感器 STG
P1C75	LH fork displacement sensor OPEN	LH 拨叉位移传感器 OPEN
P1C76	Reasonable diagnosis of displacement sensor of LH shift fork	LH 拨叉位移传感器合理性诊断
P1C77	L gear out of gear	L 档脱档
P1C78	H gear out of gear	H 档脱档
P1C79	Failed to reverse the L file	L 档退档失败
P1C80	Failed to unshift H file	H 档退档失败
P1C81	L file advancement failed	L 档进档失败
P1C82	Failed to advance the H file	H 档进档失败
P1C83	L gear broken shaft	L 档断轴
P1C84	H gear broken shaft	H 档断轴
P1C85	N gear out of gear	N 档脱档
P1C86	L-range solenoid valve failure	L 档电磁阀故障
P1C87	Short-circuit power failure of solenoid valve L	L 档电磁阀短电源故障
P1C88	Short-circuit fault of solenoid valve in L range	L 档电磁阀短地故障
P1CD0	Over-current failure of L-range solenoid valve	L 档电磁阀过流故障
P1C89	L open solenoid valve open circuit failure	L 档电磁阀开路故障
P1C90	H-range solenoid valve failure	H 档电磁阀故障
P1C91	Short-circuit power failure of H file solenoid valve	H 档电磁阀短电源故障
P1C92	Short-circuit fault of solenoid valve in H range	H 档电磁阀短地故障

故障码 DTC	DTC Description	故障码描述
P1CD1	Over-current fault of H file solenoid valve	H 档电磁阀过流故障
P1C93	H open solenoid valve open circuit failure	H 档电磁阀开路故障
P1C94	baro sensor STB	baro 传感器 STB
P1C95	baro sensor STG	baro 传感器 STG
P1C96	baro sensor OPEN	baro 传感器 OPEN
P1C97	Baro sensor rationality	baro 传感器合理性
P1C98	Reasonable failure of energy recovery	能量回收合理性故障
P1CDD	ESP failure	ESP 故障
P1C99	Speed validity failure	车速有效性故障
P1C9A	Reasonable speed failure	车速合理性故障
P1CA0	Brake pedal self-learning failed	制动踏板自学习失败
P1CA1	LH file self-learning failed	LH 档自学习失败
P1CA2	BMS cooling system water pump output STB	BMS 冷却系统水泵输出 STB
P1CA3	BMS cooling system water pump output STG	BMS 冷却系统水泵输出 STG
P1CA4	BMS cooling system water pump output OPEN	BMS 冷却系统水泵输出 OPEN
P2B29	BMS cooling system water pump dry running without water	BMS 冷却系统水泵无水干转
P0CFF	BMS cooling system water pump blocked	BMS 冷却系统水泵堵转
P0E1F	BMS cooling system water pump over temperature	BMS 冷却系统水泵过温
P1B4A	BMS cooling system water pump speed is too low	BMS 冷却系统水泵转速过低
P1CA5	Cooling cycle stop valve STB	冷却循环截止阀 STB
P1CA6	Cooling cycle stop valve STG	冷却循环截止阀 STG
P1CA7	Cooling cycle stop valve OPEN	冷却循环截止阀 OPEN
P1CA8	Heating cycle stop valve STB	加热循环截止阀 STB
P1CA9	Heating cycle stop valve STG	加热循环截止阀 STG
P1CB0	Heating cycle stop valve OPEN	加热循环截止阀 OPEN
P1CB1	collision	碰撞
P1CB2	High voltage timeout	上高压超时

故障码 DTC	DTC Description	故障码描述
P1CB3	High voltage battery is not in Operation mode	高压电池不在 Operation 模式
P1CB4	Battery level 1 failure	电池 1 级故障
P1CB5	Battery level 2 failure	电池 2 级故障
P1CB6	Battery level 3 failure	电池 3 级故障
P1CB7	Battery level 4 failure	电池 4 级故障
P1CB8	Battery high voltage interlock failure	电池高压互锁故障
P1CB9	Motor high voltage interlock failure	电机高压互锁故障
P1CC0	CDU high voltage interlock failure	CDU 高压互锁故障
P1CC1	PTC high voltage interlock failure	PTC 高压互锁故障
P1CC2	EPP unlock failure	EPP 解锁故障
P1CC3	EPP lighting	EPP 点灯
P1CC4	Motor level 1 failure	电机 1 级故障
P1CC5	Motor level 2 failure	电机 2 级故障
P1CC6	Motor level 3 failure	电机 3 级故障
P1CC7	Vehicle speed signal is invalid	车速信号无效
P1CC8	Wrong speed signal	轮速信号错误
P1CC9	Wheel speed signal is invalid	轮速信号无效
P1CD2	Reasonable Diagnosis of Cooling Water Circuit of Motor Controller	电机控制器冷却水路合理性诊断
P1CD3	Reasonable diagnosis of motor cooling oil circuit	电机冷却油路合理性诊断
P1CD4	Charging indicator low side control R relay control terminal STB	充电指示灯低边控制 R 继电器控制端 STB
P1CD5	Charging indicator low side control R relay control terminal STG	充电指示灯低边控制 R 继电器控制端 STG
P1CD6	Charging indicator low side control R relay control terminal OPEN	充电指示灯低边控制 R 继电器控制端 OPEN
P1CD7	Charging indicator low side control G relay control terminal STB	充电指示灯低边控制 G 继电器控制端 STB
P1CD8	Charging indicator low side control G relay control terminal STG	充电指示灯低边控制 G 继电器控制端 STB

故障码 DTC	DTC Description	故障码描述
P1CD9	Charging indicator low side control G relay control terminal OPEN	充电指示灯低边控制 G 继电器控制端 OPEN
P1CDA	Charging indicator low side control B relay control terminal STB	充电指示灯低边控制 B 继电器控制端 STB
P1CDB	Charging indicator low side control B relay control terminal STG	充电指示灯低边控制 B 继电器控制端 STG
P1CDC	Charging indicator low side control B relay control terminal OPEN	充电指示灯低边控制 B 继电器控制端 OPEN
P1CE2	Charge lamp control relay control terminal STB	充电指示灯控制继电器控制端 STB
P1CE2	Charge lamp control relay control terminal STG	充电指示灯控制继电器控制端 STG
P1CE2	Charge indicator control relay control terminal OPEN	充电指示灯控制继电器控制端 OPEN
P1CDE	3 / 2-way valve STB	两位三通阀 STB
P1CDE	3 / 2-way valve STG	两位三通阀 STG
P1CDE	2 / 2-way valve OPEN	两位三通阀 OPEN
P1CE0	FEM sensor failure	FEM 传感器故障
P1CE1	FEM thermal runaway alarm	FEM 热失控报警
P1CE3	TOSS rationality	TOSS 合理性
P1CE4	Circuit board temperature sensor failure	电路板温度传感器故障
P1CE5	Water inlet temperature sensor failure	进水口温度传感器故障
P1CE6	Outlet temperature sensor failure	出水口温度传感器故障
P1CE7	Overcurrent fault	过流故障
P1CE8	Internal circuit failure	内部电路故障
P1CE9	Total success rate output failure	总成功率输出故障
P1CEA	Motor level 4 failure	电机四级故障
U0119	Lost with communication between VCU and FCU	VCU 和 FCU 通讯丢失
U1116	Lost with Communication between VCU and AGS	VCU 与 AGS 通讯丢失
U1117	Lost with Communication between VCU and PTC	VCU 与 PTC 通讯丢失

故障码 DTC	DTC Description	故障码描述
P1800	PTC input over temperature fault	PTC 输入过温故障
P1801	PTC output over temperature fault	PTC 输出过温故障
P1802	Circuit board over temperature fault	电路板过温故障
P1803	PTC IGBT failure	PTC IGBT 故障
P1804	PTC LIN error status feedback	PTC LIN 错误状态反馈
P1805	PTC overvoltage fault	PTC 过压故障
P1806	PTC undervoltage fault	PTC 欠压故障
P1807	AGS sensor failure	AGS 传感器故障
P1808	AGS overvoltage fault	AGS 过压故障
P1809	AGS undervoltage fault	AGS 欠压故障
P180A	AGS stall fault	AGS 堵转故障
P180B	AGS electrical failure	AGS 电气故障
P180C	AGS over temperature fault	AGS 过温故障
P180D	AGS LIN error status feedback	AGS LIN 错误状态反馈
P1810	FCU first-level failure	FCU 一级故障
P1811	FCU secondary fault	FCU 二级故障
P1812	FCU level 3 failure	FCU 三级故障
P1813	Hydrogen leakage level 1 failure	氢泄漏一级故障
P1814	failuredrogen leakage secondary failure	氢泄漏二级故障
P1815	SCU gear failure	SCU 档位故障
P1816	MCPC high resistance fault	MCPC 高阻故障
P1817	MCPC low resistance fault	MCPC 低阻故障
P1850	FCU level 4 failure	FCU 四级故障
P1851	Failure of stack power following failure	电堆功率跟随失败故障
P1852	Bottle valve 1STB	瓶阀 1STB
P1818	Bottle valve 1STG	瓶阀 1STG
P1819	Bottle valve 1OPEN	瓶阀 1OPEN
P181A	Bottle valve 2STB	瓶阀 2STB
P181B	Bottle valve 2STG	瓶阀 2STG
P181C	Bottle valve 2OPEN	瓶阀 2OPEN
P181D	Bottle valve 3STB	瓶阀 3STB

故障码 DTC	DTC Description	故障码描述
P181E	Bottle valve 3STG	瓶阀 3STG
P181F	Bottle valve 3OPEN	瓶阀 3OPEN
P1820	All bottle valves malfunction	所有瓶阀故障
P1821	Bottle valve 1 temperature slightly overrun fault	瓶阀 1 温度轻微超限故障
P1822	Bottle valve 1 temperature moderate overrun fault	瓶阀 1 温度中度超限故障
P1823	Bottle valve 1 temperature serious overrun fault	瓶阀 1 温度严重超限故障
P1824	Bottle valve 1 low temperature slight overrun fault	瓶阀 1 低温轻微超限故障
P1825	Bottle valve 1 low temperature moderate overrun fault	瓶阀 1 低温中度超限故障
P1826	Bottle valve 1 temperature sensor failure	瓶阀 1 温度传感器故障
P1827	Bottle valve 2 temperature slightly overrun fault	瓶阀 2 温度轻微超限故障
P1828	Bottle valve 2 temperature moderate overrun fault	瓶阀 2 温度中度超限故障
P1829	Bottle valve 2 temperature serious overrun fault	瓶阀 2 温度严重超限故障
P182A	Bottle valve 2 low temperature slight overrun fault	瓶阀 2 低温轻微超限故障
P182B	Bottle valve 2 low temperature moderate overrun	瓶阀 2 低温中度超限故障
P182C	Bottle valve 2 temperature sensor failure	瓶阀 2 温度传感器故障
P182D	Bottle valve 3 temperature slightly overrun fault	瓶阀 3 温度轻微超限故障
P182E	Bottle valve 3 temperature moderate overrun fault	瓶阀 3 温度中度超限故障
P182F	Bottle valve 3 temperature serious overrun fault	瓶阀 3 温度严重超限故障
P1830	Bottle valve 3 low temperature slight overrun fault	瓶阀 3 低温轻微超限故障
P1831	Bottle valve 3 low temperature moderate overrun fault	瓶阀 3 低温中度超限故障
P1832	Bottle valve 3 temperature sensor failure	瓶阀 3 温度传感器故障

故障码 DTC	DTC Description	故障码描述
P1833	Hydrogen bottle temperature difference slightly exceeds the limit failure	氢瓶温差轻微超限故障
P1834	Hydrogen bottle temperature difference moderate overrun fault	氢瓶温差中度超限故障
P1835	Hydrogen bottle temperature difference serious overrun fault	氢瓶温差严重超限故障
P1836	High pressure pressure is slightly high failure	高压压力轻微偏高故障
P1837	High pressure pressure moderately high fault	高压压力中度偏高故障
P1838	High pressure pressure is seriously high fault	高压压力严重偏高故障
P1839	High pressure pressure is slightly low fault	高压压力轻微偏低故障
P183A	High pressure pressure is too low	高压压力偏低故障
P183B	High voltage sensor failure	高压传感器故障
P183C	Medium pressure pressure is slightly high failure	中压压力轻微偏高故障
P183D	Medium pressure pressure is moderately high failure	中压压力中度偏高故障
P183E	Severely high medium pressure pressure failure	中压压力严重偏高故障
P183F	Medium pressure pressure is slightly low	中压压力轻微偏低故障
P1840	Low pressure pressure failure	中压压力偏低故障
P1841	Medium pressure sensor failure	中压传感器故障
P1842	Hydrogen concentration 1 slight overrun fault (level 1 leakage)	氢浓度 1 轻微超限故障（1 级泄漏）
P1843	Hydrogen concentration 1 Moderate overrun (level 2 leakage)	氢浓度 1 中度超限（2 级泄漏）
P1844	Hydrogen concentration 1 severely exceeded (level 3 leakage)	氢浓度 1 严重超限（3 级泄漏）
P1845	Hydrogen concentration sensor 1 failure	氢浓度传感器 1 故障
P1846	Hydrogen concentration 2 slight overrun fault (level 1 leakage)	氢浓度 2 轻微超限故障（1 级泄漏）
P1847	Hydrogen concentration 2 Moderate overrun (level 2 leakage)	氢浓度 2 中度超限（2 级泄漏）
P1848	Hydrogen concentration 2 severely exceeded (level 3 leakage)	氢浓度 2 严重超限（3 级泄漏）

故障码 DTC	DTC Description	故障码描述
P1849	Hydrogen concentration sensor 2 failure	氢浓度传感器 2 故障
P184A	Hydrogenation port opened by mistake	加氢口误开故障
P184B	Bottle valve control relay STB	瓶阀控制继电器 STB
P184C	Bottle valve control relay STG	瓶阀控制继电器 STG
P184D	Bottle valve control relay OPEN	瓶阀控制继电器 OPEN
P184E	Bottle valve control relay status error fault	瓶阀控制继电器状态错误故障
P1853	EMS first level failure	EMS 一级故障
P1854	EMS secondary fault	EMS 二级故障
P1855	EM three-level failure	EM 三级故障
P1856	EMS level 4 failure	EMS 四级故障
P1857	EMS level 5 failure	EMS 五级故障
P1858	TCU first level failure	TCU 一级故障
P1859	TCU secondary fault	TCU 二级故障
P185A	TCU level 3 failure	TCU 三级故障
P185B	TCU level 4 failure	TCU 四级故障
U111B	ATP communication loss failure	ATP 通讯丢失故障
P1CF0	Reasonable malfunction of functional safety accelerator pedal	功能安全加速踏板合理性故障
P1CF1	Functional safety accelerator pedal 1 electrical failure	功能安全加速踏板 1 电气故障
P1CF2	Functional safety accelerator pedal 2 electrical failure	功能安全加速踏板 2 电气故障
P1CF4	Functional safety brake pedal electrical failure	功能安全制动踏板电气故障
P1CF3	Functional safety master cylinder pressure failure	功能安全主缸压力故障
P1CF5	Inconsistent malfunction of functional safety brake pedal	功能安全制动踏板踩下不一致故障
P1CF6	Functional safety speed signal invalid failure	功能安全车速信号无效故障
P1CF7	Functional safety	功能安全车速方向无效故障
P1CF8	Functional safety gearbox speed ratio failure	功能安全变速箱速比故障
P1CF9	Functional safety clutch failure	功能安全离合器故障

故障码 DTC	DTC Description	故障码描述
P1CFA	Functional safety gearbox fault	功能安全变速箱档位故障
P1CFB	Functional safety motor speed failure	功能安全电机转速故障
P1CFC	Functional safety motor torque failure	功能安全电机扭矩故障
P1CFD	Functional safety motor shift failure	功能安全电机换档故障
P1CFE	Functional safety ACC torque failure	功能安全 ACC 扭矩故障
P1CFF	Functional safety ACC status failure	功能安全 ACC 状态故障
P1C3F	Functional safety fork sensor frequency failure	功能安全拨叉传感器频率故障
P1C3E	Functional safety fork sensor PWM fault	功能安全拨叉传感器 PWM 故障
P1C3D	Functional safety fork sensor power failure	功能安全拨叉传感器供电故障
P1C3C	Functional safety fork sensor position failure	功能安全拨叉传感器位置故障
P1C3B	Functional safety motor overspeed fault	功能安全电机超速故障
P1C3A	Functional safety torque mismatch failure	功能安全扭矩不符故障
P1C39	Functional safety drive direction mismatch failure	功能安全驱动方向不符故障
P1C38	Functional safety torque distribution mismatch failure	功能安全扭矩分配不符故障
P1C37	Functional safety total demand wheel mismatch failure	功能安全总需求轮扭不符故障
P1C36	Functional safety total actual wheel mismatch failure	功能安全总实际轮扭不符故障
P1C35	Functional safety engine actual torque failure	功能安全发动机实际扭矩故障
P1C34	Functional safety engine state failure	功能安全发动机状态故障
P1864	High IRM supply voltage	IRM 供电电压高
P1865	Low IRM supply voltage	IRM 供电电压低
P1866	Transmit module open	发射模块开路
P1867	Transmitting module short circuit	发射模块短路
P1868	Infrared module short circuit	红外模块短路

故障码 DTC	DTC Description	故障码描述
P1869	Launch feedback failure	发射反馈故障
P186A	Internal register failure	内部寄存器故障
U111C	Lost with Communication between VCU and IRM	VCU 与 IRM 通讯丢失
P1870	Transmitter module failure	发射模块损坏故障
P1871	Vehicle system data out of range	车辆系统数据超范围
P1872	System version data out of range	系统版本数据超范围
P1873	Hydrogen bottle capacity data is out of range	氢瓶容量数据超范围
P1874	Filling temperature is out of range	加注温度超范围
P1875	Filling pressure is out of range	加注压力超范围
P1876	Fill port type parameter is abnormal	加注口类型参数异常
P1877	Abnormal filling status parameters	加注状态参数异常
P186B	Engine stop failure flag bit	发动机禁止停机故障标志位
U1101	Functional safety BCM brake pedal position signal communication failure	功能安全 BCM 刹车踏板位置信号通讯故障
U1102	Functional safety SCU gear lever request signal communication failure	功能安全 SCU 档杆请求信号通讯故障
U1103	Functional safety ESP vehicle speed signal communication failure	功能安全 ESP 车速信号通讯故障
U1104	Functional safety ESP non-driving wheel speed signal communication failure	功能安全 ESP 非驱动轮轮速信号通讯故障
U1105	Functional safety AMT clutch actual torque signal communication failure	功能安全 AMT 离合器实际扭矩信号通讯故障
U1106	Functional safety AMT gear and speed ratio signal communication failure	功能安全 AMT 档位和速比信号通讯故障
U1107	Functional safety EM motor actual torque signal communication failure	功能安全 EM 电机实际扭矩信号通讯故障
U1108	Functional safety EM motor speed signal communication failure	功能安全 EM 电机转速信号通讯故障
U1109	Functional safety ESP torque request signal communication failure	功能安全 ESP 扭矩请求信号通讯故障

故障码 DTC	DTC Description	故障码描述
U110A	Functional safety ACC torque request signal communication failure	功能安全 ACC 扭矩请求信号通讯故障
U110B	Functional safety ACC status signal communication failure	功能安全 ACC 状态信号通讯故障
P1878	Functionally safe engine actual torque	功能安全发动机实际扭矩
P1879	Functional safety Engine speed and status	功能安全发动机转速和状态
P187A	Abnormal failure of motor water pump	电机水泵异常故障
P187B	Abnormal BMS water pump failure	BMS 水泵异常故障
P183A	High pressure pressure moderately low fault	高压压力中度偏低故障
U110C	Functional safety gearbox output shaft speed signal communication failure	功能安全变速箱输出轴转速信号通讯故障

ABSESP 故障码及故障类型描述汇总

Description on the fault code and failure type

故障码 DTC	故障码描述	DTC Description
C1032	左前轮速度传感器：开路	Wheel-speed sensor, front left: open
C1035	右前轮速度传感器：开路	Wheel-speed sensor, front right: open
C1038	左后轮速度传感器：开路	Wheel-speed sensor, rear left: open
C103B	右后轮速度传感器：开路	Wheel-speed sensor, rear right: open
C1031	左前轮速度传感器：信号超出范围	Wheel-speed sensor, front left: (signal failure) out of range
C1034	右前轮速度传感器：信号超出范围	Wheel-speed sensor, front right: (signal failure) out of range
C1037	左后轮速度传感器：信号超出范围	Wheel-speed sensor, rear left: (signal failure) out of range
C103A	右后轮速度传感器：信号超出范围	Wheel-speed sensor, rear right: (signal failure) out of range
C10A1	左前轮速度传感器：对电瓶短路	Wheel-speed sensor, front left: short to UBATT
C10A3	右前轮速度传感器：对电瓶短路	Wheel-speed sensor, front right: short to UBATT
C10A5	左后轮速度传感器：对电瓶短路	Wheel-speed sensor, rear left: short to UBATT
C10A7	右后轮速度传感器：对电瓶短路	Wheel-speed sensor, rear right: short to UBATT
C1020	回油泵故障	Return pump fault
C1095	继动阀故障	Valve relay error
C1000	ECU 供电：高电压	ECU Voltage supply: high voltage
C1001	ECU 供电：低电压	ECU Voltage supply: low voltage
C1010	ECU 线圈故障	ECU coil Faults
U0294	与 VCU 失去通讯	Lost Communication With VCU
U0140	与 BCM 失去通讯	Lost Communication With BCM
U0155	与 IPK 失去通讯	Lost Communication With IPK
U0245	与 FICM 失去通讯	Lost Communication With FICM
U0073	总线断开	BUS OFF
U1101	诊断供电电压低	Diagnostic Voltage supply Low
U1100	诊断供电电压高	Diagnostic Voltage supply High

ABSESP 故障详解

Error -sorting solution

故障码 DTC	C1032
DTC Description	Wheel-speed sensor, front left: open
故障码描述	左前轮速度传感器：开路
Possible Cause	WSS Circuit Open
故障发生的可能原因	轮速传感开路
Check Items	Wheel Speed Sensor
检查项目	轮速传感器
Possible Symptom	ABS Fail
可能的影响	ABS 功能失效
release condition	wakeup/standby
故障诊断码的运行条件	ECU 正常上电
Failure criteria	Shortcut sensor line to Gnd
故障诊断码的判断条件	轮速传感器信号线短路到地
healing condition	Remove the defect, re-ignition
故障治愈条件	修复故障，重新点火

故障码 DTC	C1035
DTC Description	Wheel-speed sensor, front right: open
故障码描述	右前轮速度传感器：开路
Possible Cause	WSS Circuit Open
故障发生的可能原因	轮速传感开路
Check Items	Wheel Speed Sensor
检查项目	轮速传感器
Possible Symptom	ABS Fail
可能的影响	ABS 功能失效
release condition	wakeup/standby
故障诊断码的运行条件	ECU 正常上电
Failure criteria	Shortcut sensor line to Gnd
故障诊断码的判断条件	轮速传感器信号线短路到地
healing condition	Remove the defect, re-ignition
故障治愈条件	修复故障，重新点火

故障码 DTC	C1038
DTC Description	Wheel-speed sensor, rear left: open
故障码描述	左后轮速度传感器：开路
Possible Cause	WSS Circuit Open
故障发生的可能原因	轮速传感开路
Check Items	Wheel Speed Sensor
检查项目	轮速传感器
Possible Symptom	ABS Fail
可能的影响	ABS 功能失效
release condition	wakeup/standby
故障诊断码的运行条件	ECU 正常上电
Failure criteria	Shortcut sensor line to Gnd
故障诊断码的判断条件	轮速传感器信号线短路到地
healing condition	Remove the defect, re-ignition
故障治愈条件	修复故障，重新点火

故障码 DTC	C103B
DTC Description	Wheel-speed sensor, rear right: open
故障码描述	右后轮速度传感器：开路
Possible Cause	WSS Circuit Open
故障发生的可能原因	轮速传感开路
Check Items	Wheel Speed Sensor
检查项目	轮速传感器
Possible Symptom	ABS Fail
可能的影响	ABS 功能失效
release condition	wakeup/standby
故障诊断码的运行条件	ECU 正常上电
Failure criteria	Shortcut sensor line to Gnd
故障诊断码的判断条件	轮速传感器信号线短路到地
healing condition	Remove the defect, re-ignition
故障治愈条件	修复故障，重新点火

故障码 DTC	C1031
DTC Description	Wheel-speed sensor, front left: (signal failure) out of range
故障码描述	左前轮速度传感器：信号超出范围
Possible Cause	Wheel speed sensor short circuit
故障发生的可能原因	轮速传感器短路
Check Items	Check wheel speed sensor and wiring harness
检查项目	检查轮速传感器及线束
Possible Symptom	ABS Fail
可能的影响	ABS 功能失效
release condition	Power mode ON file
故障诊断码的运行条件	电源模式 ON 档
Failure criteria	
故障诊断码的判断条件	
healing condition	Wheel speed sensor troubleshooting
故障治愈条件	轮速传感器故障排除

故障码 DTC	C1034
DTC Description	Wheel-speed sensor, front right: (signal failure) out of range
故障码描述	右前轮速度传感器：信号超出范围
Possible Cause	Wheel speed sensor short circuit
故障发生的可能原因	轮速传感器短路
Check Items	Check wheel speed sensor and wiring harness
检查项目	检查轮速传感器及线束
Possible Symptom	ABS Fail
可能的影响	ABS 功能失效
release condition	Power mode ON file
故障诊断码的运行条件	电源模式 ON 档
Failure criteria	
故障诊断码的判断条件	
healing condition	Wheel speed sensor troubleshooting
故障治愈条件	轮速传感器故障排除

故障码 DTC	C1037
DTC Description	Wheel-speed sensor, rear left: (signal failure) out of range
故障码描述	左后轮速度传感器：信号超出范围
Possible Cause	Wheel speed sensor short circuit
故障发生的可能原因	轮速传感器短路
Check Items	Check wheel speed sensor and wiring harness
检查项目	检查轮速传感器及线束
Possible Symptom	ABS Fail
可能的影响	ABS 功能失效
release condition	Power mode ON file
故障诊断码的运行条件	电源模式 ON 档
Failure criteria	
故障诊断码的判断条件	
healing condition	Wheel speed sensor troubleshooting
故障治愈条件	轮速传感器故障排除

故障码 DTC	C103A
DTC Description	Wheel-speed sensor, rear right: (signal failure) out of range
故障码描述	右后轮速度传感器：信号超出范围
Possible Cause	Wheel speed sensor short circuit
故障发生的可能原因	轮速传感器短路
Check Items	Check wheel speed sensor and wiring harness
检查项目	检查轮速传感器及线束
Possible Symptom	ABS Fail
可能的影响	ABS 功能失效
release condition	Power mode ON file
故障诊断码的运行条件	电源模式 ON 档
Failure criteria	
故障诊断码的判断条件	
healing condition	Wheel speed sensor troubleshooting
故障治愈条件	轮速传感器故障排除

故障码 DTC	C10A1
DTC Description	Wheel-speed sensor, front left: short to UBATT
故障码描述	左前轮速度传感器：对电瓶短路
Possible Cause	WSS Short Circuit
故障发生的可能原因	轮速传感器短路
Check Items	Wheel Speed Sensor
检查项目	轮速传感器
Possible Symptom	ABS Fail
可能的影响	ABS 功能失效
release condition	wakeup/standby
故障诊断码的运行条件	ECU 正常上电
Failure criteria	Shortcut sensor line to Ubatt
故障诊断码的判断条件	轮速传感器电源线短路到蓄电池；
healing condition	Repair the error, then IG on again
故障治愈条件	修复故障，重新点火

故障码 DTC	C10A3
DTC Description	Wheel-speed sensor, front right: short to UBATT
故障码描述	右前轮速度传感器：对电瓶短路
Possible Cause	WSS Short Circuit
故障发生的可能原因	轮速传感器短路
Check Items	Wheel Speed Sensor
检查项目	轮速传感器
Possible Symptom	ABS Fail
可能的影响	ABS 功能失效
release condition	wakeup/standby
故障诊断码的运行条件	ECU 正常上电
Failure criteria	Shortcut sensor line to Ubatt
故障诊断码的判断条件	轮速传感器电源线短路到蓄电池
healing condition	Repair the error, then IG on again
故障治愈条件	修复故障，重新点火

故障码 DTC	C10A5
DTC Description	Wheel-speed sensor, rear left: short to UBATT
故障码描述	左后轮速度传感器：对电瓶短路
Possible Cause	WSS Short Circuit
故障发生的可能原因	轮速传感器短路
Check Items	Wheel Speed Sensor
检查项目	轮速传感器
Possible Symptom	ABS Fail
可能的影响	ABS 功能失效
release condition	wakeup/standby
故障诊断码的运行条件	ECU 正常上电
Failure criteria	Shortcut sensor line to Ubatt
故障诊断码的判断条件	轮速传感器电源线短路到蓄电池
healing condition	Repair the error, then IG on again
故障治愈条件	修复故障，重新点火

故障码 DTC	C10A7
DTC Description	Wheel-speed sensor, rear right: short to UBATT
故障码描述	右后轮速度传感器：对电瓶短路
Possible Cause	WSS Short Circuit
故障发生的可能原因	轮速传感器短路
Check Items	Wheel Speed Sensor
检查项目	轮速传感器
Possible Symptom	ABS Fai
可能的影响	ABS 功能失效
release condition	wakeup/standby
故障诊断码的运行条件	ECU 正常上电
Failure criteria	Shortcut sensor line to Ubatt
故障诊断码的判断条件	轮速传感器电源线短路到蓄电池
healing condition	Repair the error, then IG on again
故障治愈条件	修复故障，重新点火

故障码 DTC	C1020
DTC Description	Return pump fault
故障码描述	回油泵故障
Possible Cause	Hydraulic Unit Failure
故障发生的可能原因	液压模块失效
Check Items	Hydraulic Unit
检查项目	液压模块
Possible Symptom	ABS Fail
可能的影响	ABS 功能失效
release condition	wakeup/standby
故障诊断码的运行条件	正常上电
Failure criteria	ECU"ASIC motor relay status (short-circuit). ASIC motor relay status (overload). Motor voltage outside actuation is too high. Overheat protection for RFP during diagnosis actuations only
故障诊断码的判断条件	* 马达短路 * 马达过载 * 马达供电异常 * 马达过热 "
healing condition	epair the pump error, then IG on again.
故障治愈条件	修复回流泵故障，重新点火

故障码 DTC	C1095
DTC Description	Valve relay error
故障码描述	继动阀故障
Possible Cause	Valve relay voltage is low, open circuit
故障发生的可能原因	阀门继电器电压低，开路
Check Items	Check wheel speed sensor
检查项目	检查轮速传感器
Possible Symptom	ABS Fail
可能的影响	ABS 功能失效
release condition	Power mode ON file
故障诊断码的运行条件	电源模式 ON 档
Failure criteria	
故障诊断码的判断条件	
healing condition	Valve recovery troubleshooting
故障治愈条件	阀恢故障排除

故障码 DTC	C1000
DTC Description	ECU Voltage supply: high voltage
故障码描述	ECU 供电：高电压
Possible Cause	Battery voltage is too high
故障发生的可能原因	电池电压过高
Check Items	Check battery status
检查项目	检查电池状态
Possible Symptom	ABS Fail
可能的影响	ABS 功能失效
release condition	Power mode ON file
故障诊断码的运行条件	电源模式 ON 档
Failure criteria	
故障诊断码的判断条件	
healing condition	Battery power state restored
故障治愈条件	电池供电状态恢复

故障码 DTC	C1001
DTC Description	ECU Voltage supply: low voltage
故障码描述	ECU 供电：低电压
Possible Cause	Battery voltage is too low
故障发生的可能原因	电池电压过低
Check Items	Check battery status
检查项目	检查电池状态
Possible Symptom	ABS Fail
可能的影响	ABS 功能失效
release condition	Power mode ON file
故障诊断码的运行条件	电源模式 ON 档
Failure criteria	
故障诊断码的判断条件	
healing condition	Battery power status restored
故障治愈条件	电池供电状态恢复

故障码 DTC	C1010
DTC Description	ECU coil Faults
故障码描述	ECU 线圈故障
Possible Cause	ABS module failure
故障发生的可能原因	ABS 模块故障
Check Items	Check module
检查项目	检查模块
Possible Symptom	ABS Fail
可能的影响	ABS 功能失效
release condition	Power mode ON file
故障诊断码的运行条件	电源模式 ON 档
Failure criteria	
故障诊断码的判断条件	
healing condition	The module returns to normal
故障治愈条件	模块恢复正常

故障码 DTC	U0294
DTC Description	Lost Communication With VCU
故障码描述	与 VCU 失去通讯
Possible Cause	VCU Error
故障发生的可能原因	整车控制单元故障
Check Items	VCU
检查项目	整车控制单元
Possible Symptom	ABS Fail
可能的影响	ABS 功能失效
release condition	wakeup/standby
故障诊断码的运行条件	ECU 正常上电
Failure criteria	Any message below time out.
故障诊断码的判断条件	与整车控制单元通讯丢失，如下任一报文丢失
healing condition	Repair the error, then IG on again
故障治愈条件	修复故障，重新点火

故障码 DTC	U0140
DTC Description	Lost Communication With BCM
故障码描述	与 BCM 失去通讯
Possible Cause	BCM Error
故障发生的可能原因	车身控制单元故障
Check Items	车身控制单元
检查项目	BCM
Possible Symptom	ABS Fail
可能的影响	ABS 功能失效
release condition	wakeup/standby
故障诊断码的运行条件	ECU 正常上电
Failure criteria	Any message below time out. -GW_BCM_281h -GW_BCM_375h"
故障诊断码的判断条件	与车身控制单元通讯丢失，如下任一报文丢失； -GW_BCM_281h -GW_BCM_375h"
healing condition	Repair the error, then IG on again
故障治愈条件	修复故障，重新点火

故障码 DTC	U0155
DTC Description	Lost Communication With IPK
故障码描述	与 IPK 失去通讯
Possible Cause	IPK Error
故障发生的可能原因	仪表故障
Check Items	IPK
检查项目	仪表
Possible Symptom	-
可能的影响	-
release condition	wakeup/standby
故障诊断码的运行条件	ECU 正常上电
Failure criteria	Any message below time out. -GW_IPK_362h"
故障诊断码的判断条件	与仪表通讯丢失，如下任一报文丢失 -GW_IPK_362h
healing condition	Repair the error, then IG on again
故障治愈条件	修复故障，重新点火

故障码 DTC	U0245
DTC Description	Lost Communication With FICM
故障码描述	与 FICM 失去通讯
Possible Cause	FICM Error
故障发生的可能原因	FICM 模块故障
Check Items	FICM
检查项目	FICM 模块
Possible Symptom	ABS Fail
可能的影响	ABS 功能失效
release condition	wakeup/standby
故障诊断码的运行条件	ECU 正常上电
Failure criteria	Corrupted CAN data or invalide signal received from the any of below
故障诊断码的判断条件	从 FICM 收到无效数据，如下任一报文无效；
healing condition	Repair the error, then IG on again
故障治愈条件	修复故障，重新点火

RF 故障码及故障类型描述汇总

Description on the fault code and failure type

故障码 DTC	故障码描述	DTC Description
B1001	电可擦只读存储器故障	EEPROM fault
B1006	左前传感器丢失	Front Left sensor Lost
B1007	右前传感器丢失	Front Right sensor Lost
B1008	右后传感器丢失	Rear Right sensor Lost
B1009	左后传感器丢失	Rear Left sensor Lost
U0101	与 PEPS（无钥匙控制无钥匙启动系统）失去通讯	Lost communication with PEPS(Passive Entry Passive Start)
U0102	与车辆速度失去通讯	Lost communication with Vehicle speed
U0103	与 BCM（车身控制管理系统）失去通讯	Lost communication with BCM(Body Control Management)
U0105	TPMS（胎压管理系统）未学习	TPMS(Tire Pressure Monitor System) Not learn
U0106	RKE（遥控钥匙）未学习	RKE(Remote Keyless Entry) Not learn
U0111	总线关闭	Bus off
P2001	电控单元电池电压低	ECU battery voltage low
P3002	电控单元电池电压高	ECU battery voltage high

RF 故障详解

Error -sorting solution

故障码 DTC	B1001
DTC Description	EEPROM fault
故障码描述	电可擦只读存储器故障
Possible Cause	Hardware damage
故障发生的可能原因	硬件损坏
Check Items	Check the RF controller
检查项目	检查 RF 控制器
Possible Symptom	Remote control key function, tire pressure function is invalid
可能的影响	遥控钥匙功能，胎压功能失效

故障码 DTC	B1006
DTC Description	Front Left sensor Lost
故障码描述	左前传感器丢失
Possible Cause	Replace the sensor or the sensor is damaged
故障发生的可能原因	更换传感器或传感器损坏
Check Items	Check sensors and tires
检查项目	检查传感器和轮胎
Possible Symptom	Tire pressure failure
可能的影响	胎压功能失效

故障码 DTC	B1007
DTC Description	Front Right sensor Lost
故障码描述	右前传感器丢失
Possible Cause	Replace the sensor or the sensor is damaged
故障发生的可能原因	更换传感器或传感器损坏
Check Items	Check sensors and tires
检查项目	检查传感器和轮胎
Possible Symptom	Tire pressure failure
可能的影响	胎压功能失效

故障码 DTC	B1008
DTC Description	Rear Right sensor Lost
故障码描述	右后传感器丢失
Possible Cause	Replace the sensor or the sensor is damaged
故障发生的可能原因	更换传感器或传感器损坏
Check Items	Check sensors and tires
检查项目	检查传感器和轮胎
Possible Symptom	Tire pressure failure
可能的影响	胎压功能失效

故障码 DTC	B1009
DTC Description	Rear Left sensor Lost
故障码描述	左后传感器丢失
Possible Cause	Replace the sensor or the sensor is damaged
故障发生的可能原因	更换传感器或传感器损坏
Check Items	Check sensors and tires
检查项目	检查传感器和轮胎
Possible Symptom	Tire pressure failure
可能的影响	胎压功能失效

故障码 DTC	U0101
DTC Description	Lost communication with PEPS(Passive Entry Passive Start)
故障码描述	与 PEPS(无钥匙控制无钥匙启动系统) 失去通讯
Possible Cause	Hardware damage or abnormal RF CAN communication or abnormal PEPS communication
故障发生的可能原因	硬件损坏或 RF CAN 通讯异常或 PEPS 通讯异常
Check Items	Check the RF controller, wiring harness and PEPS controller
检查项目	检查 RF 控制器，线束和 PEPS 控制器
Possible Symptom	Remote control key function, tire pressure function is invalid
可能的影响	遥控钥匙功能，胎压功能失效

故障码 DTC	U0102
DTC Description	Lost communication with Vehicle speed
故障码描述	与车辆速度失去通讯
Possible Cause	Hardware damage or abnormal RF CAN communication or abnormal ESC communication or abnormal GW communication
故障发生的可能原因	硬件损坏或 RF CAN 通讯异常或 ESC 通讯异常或者 GW 通讯异常
Check Items	Check RF controller, wiring harness, gateway and ESC controller
检查项目	检查 RF 控制器，线束，网关和 ESC 控制器
Possible Symptom	Remote control key function, tire pressure function is invalid
可能的影响	遥控钥匙功能，胎压功能失效

故障码 DTC	U0103
DTC Description	Lost communication with BCM(Body Control Management)
故障码描述	与 BCM(车身控制管理系统) 失去通讯
Possible Cause	Hardware damage or abnormal RF CAN communication or abnormal BCM communication
故障发生的可能原因	硬件损坏或 RF CAN 通讯异常或 BCM 通讯异常
Check Items	Check RF controller, wiring harness, BCM controller
检查项目	检查 RF 控制器，线束， BCM 控制器
Possible Symptom	Remote control key function, tire pressure function is invalid
可能的影响	遥控钥匙功能，胎压功能失效

故障码 DTC	U0105
DTC Description	TPMS(Tire Pressure Monitor System) Not learn
故障码描述	PMS(胎压管理系统) 未学习
Possible Cause	Tire pressure sensor not learned
故障发生的可能原因	胎压传感器未学习
Check Items	Learning tire pressure
检查项目	学习胎压
Possible Symptom	Tire pressure failure
可能的影响	胎压功能失效

故障码 DTC	U0106
DTC Description	RKE(Remote Keyless Entry) Not learn
故障码描述	RKE(遥控钥匙) 未学习
Possible Cause	The remote control key is not learned
故障发生的可能原因	遥控钥匙未学习
Check Items	Learning key
检查项目	学习钥匙
Possible Symptom	Remote control key failure
可能的影响	遥控钥匙失效

故障码 DTC	U0111
DTC Description	Bus off
故障码描述	总线关闭
Possible Cause	Bus error or RF CAN communication abnormal
故障发生的可能原因	总线错误或 RF CAN 通讯异常
Check Items	Check the RF controller, wiring harness
检查项目	检查 RF 控制器，线束
Possible Symptom	Remote control key function, tire pressure function is invalid
可能的影响	遥控钥匙功能，胎压功能失效

故障码 DTC	P2001
DTC Description	ECU battery voltage low
故障码描述	电控单元电池电压低
Possible Cause	RF power supply is too low
故障发生的可能原因	RF 供电过低
Check Items	Check RF and power supply
检查项目	检查 RF 和电源供电
Possible Symptom	Remote control key function, tire pressure function is invalid
可能的影响	遥控钥匙功能，胎压功能失效

故障码 DTC	P3002
DTC Description	ECU battery voltage high
故障码描述	电控单元电池电压高
Possible Cause	RF power supply is too high
故障发生的可能原因	RF 供电过高
Check Items	Check RF and power supply
检查项目	检查 RF 和电源供电
Possible Symptom	Remote control key function, tire pressure function is invalid
可能的影响	遥控钥匙功能，胎压功能失效

GAW 故障码及故障类型描述汇总

Description on the fault code and failure type

故障码 DTC	故障码描述	DTC Description
U1562	电池电压过高	Battery voltage is too high
U1563	电池电压过低	Battery voltage is too low
U0073	在动力 CAN 总线关闭控制模块通讯	Control Module Communication Bus Off on PT CAN
U0074	在底盘 CAN 总线关闭控制模块通讯	Control Module Communication Bus Off on CH CAN
U0075	在车身 CAN 总线关闭控制模块通讯	Control Module Communication Bus Off on BD CAN
U0076	在仪表 CAN 总线关闭控制模块通讯	Control Module Communication Bus Off on Info CAN
U0077	在诊断 CAN 总线关闭控制模块通讯	Control Module Communication Bus Off on Diag CAN
U2001	电控单元 EEPROM 校验检查错误	ECU EEPROM Checksum Error
U2002	电控单元 RAM 错误	ECU RAM Error
B162F	EEPROM(NVM(非易失性内存)) 错误	EEPROM(NVM(Nonvolatile memory)) Error

GAW 故障详解

Error -sorting solution

故障码 DTC	U1562
故障码描述	电池电压过高
DTC Description	Battery voltage is too high
Possible Cause	Unstable external voltage, power failure
故障发生的 可能原因	外部电压不稳，电源故障
Check Items	Check power
检查项目	检查电源
Possible Symptom	Gateway function failure
可能的影响	网关功能失效
release condition	ECU is normally powered on
故障诊断码 的运行条件	ECU 正常上电

故障码 DTC	U1563
故障码描述	电池电压过低
DTC Description	Battery voltage is too low
Possible Cause	Unstable external voltage, power failure
故障发生的 可能原因	外部电压不稳，电源故障
Check Items	Check power
检查项目	检查电源
Possible Symptom	Gateway function failure
可能的影响	网关功能失效
release condition	ECU is normally powered on
故障诊断码 的运行条件	ECU 正常上电

故障码 DTC	U0073
故障码描述	在动力 CAN 总线关闭控制模块通讯
DTC Description	Control Module Communication Bus Off on PT CAN
Possible Cause	CAN bus failure
故障发生的 可能原因	CAN 总线故障
Check Items	CAN wiring harness
检查项目	CAN 线束
Possible Symptom	Power CAN cannot communicate
可能的影响	动力 CAN 无法通讯
release condition	ECU is normally powered on
故障诊断码 的运行条件	ECU 正常上电

故障码 DTC	U0074
故障码描述	在底盘 CAN 总线关闭控制模块通讯
DTC Description	Control Module Communication Bus Off on CH CAN
Possible Cause	CAN bus failure
故障发生的 可能原因	CAN 总线故障
Check Items	CAN wiring harness
检查项目	CAN 线束
Possible Symptom	CAN not communicate on site
可能的影响	地盘 CAN 无法通讯
release condition	ECU is normally powered on
故障诊断码 的运行条件	ECU 正常上电

故障码 DTC	U0075
故障码描述	在车身 CAN 总线关闭控制模块通讯
DTC Description	Control Module Communication Bus Off on BD CAN
Possible Cause	CAN bus failure
故障发生的可能原因	CAN 总线故障
Check Items	CAN wiring harness
检查项目	CAN 线束
Possible Symptom	Can't communicate with body CAN
可能的影响	车身 CAN 无法通讯
release condition	ECU is normally powered on
故障诊断码的运行条件	ECU 正常上电

故障码 DTC	U0076
故障码描述	在仪表 CAN 总线关闭控制模块通讯
DTC Description	Control Module Communication Bus Off on Info CAN
Possible Cause	CAN bus failure
故障发生的可能原因	CAN 总线故障
Check Items	CAN wiring harness
检查项目	CAN 线束
Possible Symptom	Instrument CAN cannot communicate
可能的影响	仪表 CAN 无法通讯
release condition	ECU is normally powered on
故障诊断码的运行条件	ECU 正常上电

故障码 DTC	U0077
故障码描述	在诊断 CAN 总线关闭控制模块通讯
DTC Description	Control Module Communication Bus Off on Diag CAN
Possible Cause	CAN bus failure
故障发生的可能原因	CAN 总线故障
Check Items	CAN wiring harness
检查项目	CAN 线束
Possible Symptom	Diagnose CAN not communicate
可能的影响	诊断 CAN 无法通讯
release condition	ECU is normally powered on
故障诊断码的运行条件	ECU 正常上电

故障码 DTC	U2001
故障码描述	电控单元 EEPROM 校验检查错误
DTC Description	ECU EEPROM Checksum Error
Possible Cause	ECU hardware failure; ECU software failure
故障发生的可能原因	ECU 硬件故障； ECU 软件故障
Check Items	Refresh the software or replace the controller
检查项目	刷新软件或更换控制器
Possible Symptom	Gateway function failure
可能的影响	网关功能失效
release condition	ECU is normally powered on
故障诊断码的运行条件	ECU 正常上电

故障码 DTC	U2002
故障码描述	电控单元 RAM 错误
DTC Description	ECU RAM Error
Possible Cause	ECU hardware failure; ECU software failure
故障发生的可能原因	ECU 硬件故障； ECU 软件故障
Check Items	Refresh the software or replace the controller
检查项目	刷新软件或更换控制器
Possible Symptom	Gateway function failure
可能的影响	网关功能失效
release condition	ECU is normally powered on
故障诊断码的运行条件	ECU 正常上电

故障码 DTC	B162F
故障码描述	EEPROM(NVM(非易失性内存)) 错误
DTC Description	EEPROM(NVM(Nonvolatile memory))Error
Possible Cause	ECU hardware failure; ECU software failure
故障发生的可能原因	ECU 硬件故障； ECU 软件故障
Check Items	Refresh the software or replace the controller
检查项目	刷新软件或更换控制器
Possible Symptom	Gateway function failure
可能的影响	网关功能失效
release condition	ECU is normally powered on
故障诊断码的运行条件	ECU 正常上电