

十一、Inmotion系统故障代码表汇总

故障代码	故障解释	解决方法
20	ERROR 启动时加速踏板开关激活 Incorrect start Accelerator pedal switch active before key on	松开加速踏板 Release pedal switch
21	ERROR 启动时方向开关激活 Incorrect start Forward switch or reverse switch active before key on	将方向开关拨到空挡位 Turn off the direction switch
22	ERROR 前后方向开关同时激活 Forward switch and reverse switch active at the same time	方向开关故障 Direction switch fault
23	ERROR 油门踏板模拟量值超出范围 Throttle analog value out of range	加速踏板故障或模拟量需重新标定 Throttle fault or analog need to be calibrated
24	ERROR 油门踏板模拟量故障 Throttle analog fault	
31	ERROR 牵引驱动器 CAN 通讯故障 Traction controller CAN communication fault	请检查CAN线或控制器、仪表断开 Check CAN wire of controller and display
32	ERROR 电池电压低 Battery voltage low	需要充电 Need charge
34	ERROR CPU 内部错误 CPU fault	重启钥匙开关 Reset key
36	ERROR 启动时倾斜开关激活 Incorrect start Tilt switch active before key on	复位倾斜开关 Reset tilt switch
37	ERROR 启动时侧移开关激活 Incorrect start Side switch active before key on	复位侧移开关 Reset side switch
38	ERROR 启动时属具开关激活 Incorrect start Attachment switch active before key on	复位属具开关 Reset attachment switch
39	ERROR 启动时举升开关激活	复位举升开关
40	ERROR 举升模拟量值超出范围 Lift analog value out of range	举升模拟量损坏或需重新标定 Lift analog fault or need to be calibrated

43	ERROR 转角模拟量值超出范围 Steer analog value out of range	转角模拟量损坏或需重新标定 Steer analog fault or need to be calibrated
44	WARNING 牵引驱动器速度保护 Traction controller speed protection	车辆速度过高报警 Vehicle speed is too high alarm ”
45	WARNING 牵引驱动器编码器错误 Traction controller encoder fault	1、牵引电机速度传感器故障 Traction controller encoder fault 2、线束故障，牵引电机速度传感器连接线断 Traction motor speed sensor connection wire is open
81	WARNING 牵引驱动器温度低 Traction controller temperature is low	控制器温度过低报警 Traction controller temperature is low alarm
82	WARNING 牵引驱动器温度高 Traction controller temperature is high	控制器温度过高报警 Traction controller temperature is high alarm
83	ERROR 牵引驱动器温度传感器错误 Traction controller temperature sensor fault	控制器温度传感器故障 Traction controller temperature sensor fault
84	WARNING 牵引电机温度低 Traction motor temperature is low	1、牵引电机温度过低 Traction motor temperature is low 2、牵引电机热敏电阻故障 Traction motor temperature sensor is fault
85	WARNING 牵引电机温度高 Traction motor temperature is high	1、牵引电机温度过高 Traction motor temperature is high 2、牵引电机热敏电阻故障 Traction motor temperature sensor is fault
86	ERROR 牵引电机温度传感器错误 Traction motor temperature sensor fault	1、牵引电机热敏电阻故障 Traction motor temperature sensor is fault 2、线束故障，牵引电机温度传感器连接线断 Traction motor temperature sensor connection wire is open
87	ERROR 牵引电机速度传感器错误 Traction motor encoder fault	1、牵引电机速度传感器故障 Traction motor encoder fault 2、线束故障，牵引电机速度传感器连接线断 Traction motor speed sensor connection wire is open
88	WARNING 牵引驱动器直流母线电压高 DC bus voltage of traction controller	1、电池电压高 DC bus voltage high 2、坡道太陡再生制动太强

	is high	The ramp is too steep
89	WARNING 牵引驱动器直流母线电压低 DC bus voltage of traction controller is low	需要充电或者检查动力线束 Need to charge or check power wiring
90	WARNING 牵引驱动器默认值被加载 The default value of the traction controller is updated	刷新程序后的保护，重启钥匙即可 Reset key
91	WARNING 牵引驱动器限能 Traction drive limit	电池电量低，车辆限速 Battery low vehicle speed limit
97	ERROR 牵引驱动器输出口错误 Open drain of traction output open or short	检查输出口线束有无短路和断路（例如主接触器、倒车继电器等） Check the wire of open drain of traction output open or short
98	WARNING 牵引驱动器过流或短路 Traction controller over current or short	检查动力线束 Check power wiring
101	ERROR 牵引电机驱动器短路 Traction controller short	1、检查动力线束 Check power wiring 2、接触未吸合控制器就有使能 Controller enable before contactor pull
102	ERROR 牵引驱动器温度高 Traction controller temperature is high cut back	牵引驱动器温度过高，需冷却 Traction controller temperature is high need cool
103	ERROR 牵引电机温度高 Traction motor temperature is high cut back	1、牵引电机温度过高，需冷却 Traction motor temperature is high need cool 2、牵引电机温度传感器故障 Traction motor temperature sensor fault
104	ERROR 牵引驱动器过流 Traction controller over current	1、车辆超载或机械卡死 Vehicle overload or Mechanical clamping 2、电机编码器故障 Traction motor speed sensor fault
105	ERROR 牵引驱动器预充电超时 Traction controller precharge failed	更换预充电电阻 Replace the pre charge resistance
110	ERROR 牵引驱动器直流母线电压低 DC bus voltage of traction controller is low cut back	电池电量低 Battery need charge

111	ERROR 牵引驱动器直流母线电压高 DC bus voltage of traction controller is high cut back	电池电压高 DC bus voltage of traction controller is high cut back
112	ERROR 牵引驱动器直流母线电压高 (硬件监测) DC bus voltage of traction controller is high cut back(Hardware monitoring)	电池电压高 DC bus voltage of traction controller is high cut back(Hardware monitoring)
114	ERROR 内部供电故障 Internal power supply error	检查电机编码器和温度传感器线束 Traction motor temperature sensor or speed sensor connection wire is open
121	WARNING 泵驱动器温度低 Pump controller temperature is low	控制器温度过低报警 Pump controller temperature is low alarm
122	WARNING 泵驱动器温度高 Pump controller temperature is high	控制器温度过高报警 Pump controller temperature is high
123	ERROR 泵驱动器温度传感器错误 Pump controller temperature sensor fault	控制器温度传感器故障 Pump controller temperature sensor fault
124	WARNING 泵电机温度低 Pump motor temperature is low	1、油泵电机温度过低 Pump motor temperature is low 2、油泵电机热敏电阻故障 Pump motor temperature sensor fault
125	WARNING 泵电机温度高 Pump motor temperature is high	1、油泵电机温度过高 Pump motor temperature is high 2、油泵电机热敏电阻故障 Pump motor temperature sensor fault
126	ERROR 泵电机温度传感器故障 Pump motor temperature sensor fault	1、油泵电机热敏电阻故障 Pump motor temperature sensor fault 2、线束故障，油泵电机温度传感器连接线断 Pump motor temperature sensor connection wire is open
127	ERROR 泵驱动器速度传感器故障 Pump controller encoder fault	1、油泵电机速度传感器故障 Pump motor speed sensor fault 2、线束故障，油泵电机速度传感器连接线断 Pump motor speed sensor connection wire is open
128	WARNING 泵驱动器直流母线电压高 DC bus voltage of pump controller is high	电池电压高 DC bus voltage of pump controller is high

129	WARNING 泵驱动器直流母线电压低 DC bus voltage of pump controller is low	需要充电或者检查动力线束 Check power wiring
130	WARNING 泵驱动器默认值被加载 The default value of the pump controller is updated	刷新程序后的保护，重启钥匙即可 Reset key
132	WARNING 泵驱动器限能 Pump drive limit	电池电量低，需要充电 Battery voltage low need charge
137	ERROR 泵驱动器输出口故障 Open drain of pump output open or short	检查输出口线束有无短路和断路 Check the wire of open drain of pump output open or short
138	WARNING 泵驱动器过流或短路 Pump controller over current or short	检查动力线束 Check power wiring
141	ERROR 泵驱动器短路 Pump controller short	
142	ERROR 泵驱动器温度高 Pump controller temperature is high cut back	
143	ERROR 泵电机温度高 Pump motor temperature is high cut back	泵电机温度过高报警 Pump motor temperature is high alarm
144	ERROR 泵驱动器电流标定错误 Pump controller current calibration error	重启 Reset key
145	ERROR 泵驱动器预充电超时 Pump controller precharge failed	更换预充电电阻 Replace the pre charge resistance
147	BMS单体电压过高 BMS Cell voltage too high	
148	BMS一级故障 BMS first fault	
149	BMS二级故障 BMS second fault	
150	ERROR 泵驱动器直流母线电压低 DC bus voltage of pump controller is low cut back	电池电量低 DC bus voltage of pump controller is low cut back
151	ERROR 泵驱动器直流母线电压高 DC bus voltage of pump controller is high cut back	电池电压高 DC bus voltage of pump controller is high cut back
152	ERROR 泵驱动器直流母线电压高 (硬件监测)	电池电压高 DC bus voltage of pump controller is high cut

	DC bus voltage of pump controller is high cut back(Hardware monitoring)	back(Hardware monitoring)
153	ERROR 泵驱动器内部错误 Pump controller CPU fault	重启钥匙开关 Reset key
154	ERROR 泵驱动器速度控制故障 Pump controller speed control fault	Pump controller speed control fault
155	BMS CAN bus Off	BMS CAN 通讯故障
156	BMS温度保护 BMS temperature protection	
157	BMS过温保护 BMS over temperature protection	锂电池温度过高保护 BMS over temperature protection
158	BMS单体过放 BMS single body over discharge	锂电池低电压单体过放 BMS single body over discharge need charge
159	BMS过电压保护 BMS over voltage protection	锂电池低电压保护 BMS over voltage protection
163	BMS过电流 BMS over current	锂电池电流过大 BMS over current
164	充电保护 Charge protection	锂电池充电保护 Charge protection
165	座椅开关断开一段时间后, 方向要求重新复位 Seat switch off after a period of time, the direction of the request to reset	复位方向开关 Reset direction switch
168	BMS限流保护 BMS indicates Limit Current alarm	锂电池限流保护 BMS indicates Limit Current alarm
169	BMS断流保护 BMS indicates cutoff Current alarm	锂电池断流保护 BMS indicates cutoff Current alarm
170	BMS整车回馈保护 BMS indicates brake Current alarm	锂电池整车回馈保护 BMS indicates brake Current alarm
171	BMS CAN错误 BMS CAN Error	BMS CAN 通讯错误 BMS CAN Error
13	EEPROM KO 存储器故障 HPG CONTROLLER EEPROM KO	重启钥匙开关 (HPG直流泵控故障) Reset key
30	VMN LOW 电池电压低 HPG CONTROLLER BATTERY VOLTAGE LOW	电池电压低 (HPG直流泵控故障) HPG CONTROLLER BATTERY VOLTAGE LOW NEED CHARGE
33	NO FULL COND. 电机电压高 DC MOTOR VOLTAGE HIGH	电机电压高重启钥匙开关 (HPG直流泵控故障) RESET KEY
49	I=0 EVER 电机运行电流为0 DC MOTOR OPERATING	控制器电流传感器故障 (HPG直流泵控故障)

	CURRENT IS ZERO	HPG CONRTOLLER SENSOR FAULT
53	STBY I HIGH 过流 HPG CONRTOLLER OVER CURRENT	电流传感器或逻辑故障 (HPG直流泵控故障) HPG CONRTOLLER OVER CURRENT
62	TH. PROTECTION 控制器温度过 高 HPG CONTROLLER TEMPERATURE HIGH	控制器温度过高 (HPG直流泵控故障) HPG CONTROLLER TEMPERATURE HIGH NEED COOL
66	BATTERY LOW 电池电压低 HPG CONTROLLER BATTERY LOW	电池电压低 (HPG直流泵控故障) HPG CONTROLLER BATTERY LOW NEED CHARGE
74	DRIVER SHORTED 驱动输出短 路 HPG CONTROLLER DRIVER SHORTED	泵接触器驱动线圈短路 (HPG直流泵控故障) HPG CONTROLLER DRIVER SHORTED
76	COIL SHORTED 接触器线圈短路 HPG CONTROLLER COIL SHORTED	泵接触器驱动线圈短路 (HPG直流泵控故障) HPG CONTROLLER COIL SHORTED
78	VACC NOT OK 起升调速传感器 标定未完成 HPG CONTROLLER VACC NOT OK	起升调速传感器故障或重新标定 (HPG直 流泵控故障) HPG CONTROLLER VACC NOT OK
79	INCORRECT START 顺序故障 HPG CONTROLLER INCORRECT START	操作顺序故障 (HPG直流泵控故障) HPG CONTROLLER INCORRECT START
241	CAN BUS KO CAN通信故障 HPG CONTROLLER CAN BUS KO	检查CAN通信线及控制器波特率 (HPG直 流泵控故障) CHECK CAN WIRE OPEN AND CAN SPEED RATE
242	BATTERY OVERVOL. 电池电压 高 HPG CONTROLLER BATTERY OVER VOLTAGE	电池电压高 (HPG直流泵控故障) HPG CONTROLLER BATTERY OVER VOLTAGE
243	KEYOFF SHORTED 钥匙开关短 路	钥匙开关粘连 (HPG直流泵控故障)
244	WATCHDOG 看门狗错误 HPG CONTROLLER WATCHDOG ERROR	重启钥匙开关 (HPG直流泵控故障) HPG CONTROLLER WATCHDOG ERROR
246	WAITING FOR MC 泵接触器未吸 合 HPG CONTROLLER WAITING	关断泵控接触器参数 (HPG直流泵控故障) TURN OFF THE PUMP CONCTACTOR PARAMETER

	FOR MAIN CONTACTOR	
161	仪表CAN通讯故障 DISPLAY CAN FAULT	检查仪表CAN与电控CAN线的连接 CHECK DISPLAY AND CONTROLLER CAN CONNECTION