NIU ERROR CODE LIST

Contents

V1 + V2 NIU SCOOTER 2
U3LTE NIU SCOOTER 4
V3 + V35 + V35S NIU SCOOTER 6
MQi GT NIU SCOOTER 10

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V1 + V2 NIU SCOOTER

ERROR CODE	MEANING	PRIMARY SOLUTION
00/99	Main harness communication failure	1. Reconnect the ECU plug 2. Reconnect the small battery inside ECU, insert the main battery, use H1 to perform Re_V3 3. Replace the ECU 4. Replace the main harness
10	FOC failure	1. Reconnect the FOC plug 2. Replace the FOC
12	FOC failure	1. Reconnect the FOC plug 2. Replace the FOC
13	FOC failure	1. Reconnect the FOC plug 2. Replace the FOC
30	Over charging protection	
60	Communication module failure	1. Reconnect the ECU plug 2. Reconnect the small battery inside ECU, insert the main battery, use H1 to perform Re_V3 3. Replace the ECU
65	Communication module failure	1. Reconnect the ECU plug 2. Reconnect the small battery inside ECU, insert the main battery, use H1 to perform Re_V3 3. Replace the ECU
67	Communication module failure	1. Reconnect the ECU plug 2. Reconnect the small battery inside ECU, insert the main battery, use H1 to perform Re_V3 3. Replace the ECU
110	FOC failure	1. Reconnect the FOC plug 2. Replace the FOC
111	FOC verification failure	1. Reconnect the FOC plug 2. Reconnect the small battery inside ECU, insert the main battery, use H1 to perform Re_V3 3. Replace the FOC 4. Replace the ECU
120	Motor failure	1. Reconnect the motor plug 2. Replace the motor

130	Over dis-charging protection	
131	Discharge over current alert	
132	Battery over temperature alert	
133	Low temperature protection	
140	Twist grip failure	1. Reconnect the grip plug 2. Replace the twist grip
161	Scooter remote lock	1. Reconnect the small battery inside ECU, insert the main battery, use H1 to perform Re_V3 2. Replace the alarm 3. Replace the ECU
190	FOC communication failure	1. Reconnect the FOC plug 2. Reconnect the small battery inside ECU, insert the main battery, use H1 to perform Re_V3 3. Replace the FOC 4. Replace the ECU
191	BMS communication failure	1. Reconnect the BMS plug 2. Reconnect the small battery inside ECU, insert the main battery, use H1 to perform Re_V3 3. Replace the BMS 4. Replace the ECU

U3LTE NIU SCOOTER

ERROR CODE	MEANING	PRIMARY SOLUTION
10	FOC failure	1. Reconnect the FOC plug 2. Replace the FOC
11	FOC failure	1. Reconnect the FOC plug 2. Replace the FOC
12	FOC failure	1. Reconnect the FOC plug 2. Replace the FOC
13	FOC failure	1. Reconnect the FOC plug 2. Replace the FOC
30	Over charging protection	
31	Battery charge over current protection	
60	Communication module failure	1. Reconnect the ECU plug 2. Reconnect the small battery inside ECU, insert the main battery, use H1 to perform Re_V3 3. Replace the ECU
65	Communication module failure	1. Reconnect the ECU plug 2. Reconnect the small battery inside ECU, insert the main battery, use H1 to perform Re_V3 3. Replace the ECU
67	Communication module failure	1. Reconnect the ECU plug 2. Reconnect the small battery inside ECU, insert the main battery, use H1 to perform Re_V3 3. Replace the ECU
99	Main harness communication failure	1. Reconnect the ECU plug 2. Reconnect the small battery inside ECU, insert the main battery, use H1 to perform Re_V3 3. Replace the ECU 4. Replace the main harness
110	FOC failure	1. Reconnect the FOC plug 2. Replace the FOC
111	FOC verification failure	1. Reconnect the FOC plug 2. Reconnect the small battery inside ECU, insert the main battery, use H1 to perform Re_V3

		3. Replace the FOC 4. Replace the ECU
120	Motor failure	1. Reconnect the motor plug 2. Replace the motor
130	Over dis-charging protection	1. Charge battery immediately
131	Discharge over current alert	
132	Battery over temperature alert	
133	Low temperature protection	
134	Battery open circuit or imbalance	1. Check the BMS 2. Measure the cell voltage
135	Battery short circuit protection	1. Check the BMS 2. Measure the cell voltage
136	Water ingress, battery	1. Measure the cell voltage 2. If cell voltage is normal, replace the BMS 3. If cell voltage is abnormal, replace the battery
138	MOS damage	1. Replace the BMS
140	Twist grip failure	1. Reconnect the grip plug 2. Replace the twist grip
161	Scooter remote lock	1. Reconnect the small battery inside ECU, insert the main battery, use H1 to perform Re_V3 2. Replace the alarm 3. Replace the ECU
190	FOC communication failure	1. Reconnect the FOC plug 2. Reconnect the small battery inside ECU, insert the main battery, use H1 to perform Re_V3 3. Replace the FOC 4. Replace the ECU
191	BMS communication failure	1. Reconnect the BMS plug 2. Reconnect the small battery inside ECU, insert the main battery, use H1 to perform Re_V3 3. Replace the BMS 4. Replace the ECU

V3 + V35 + V35S NIU SCOOTER

ERROR CODE	MEANING	PRIMARY SOLUTION
10	FOC failure	1. Reconnect the FOC plug 2. Replace the FOC
11	FOC failure	1. Reconnect the FOC plug 2. Replace the FOC
12	FOC failure	1. Reconnect the FOC plug 2. Replace the FOC
13	FOC failure	1. Reconnect the FOC plug 2. Replace the FOC
22	BCS over temperature	
23	BCS low temperature	
30	Battery 1 over charging protection	
31	Battery 1 charge over current protection	
50	Battery 2 over charging protection	
51	Battery 2 charge over current protection	
60	Communication module failure	1. Reconnect the ECU plug 2. Reconnect the small battery inside ECU, insert the main battery, use H1 to perform Re_V3 3. Replace the ECU
65	Communication module failure	1. Reconnect the ECU plug 2. Reconnect the small battery inside ECU, insert the main battery, use H1 to perform Re_V3 3. Replace the ECU
67	Communication module failure	1. Reconnect the ECU plug 2. Reconnect the small battery inside ECU, insert the main battery, use H1 to perform Re_V3 3. Replace the ECU
80	Fast charger temperature protection	
81	Fast charger voltage protection	
82	Fast charger current protection	

99	Main harness communication failure	1. Reconnect the ECU plug 2. Reconnect the small battery inside ECU, insert the main battery, use H1 to perform Re_V3 3. Replace the ECU 4. Replace the main harness
110	FOC failure	1. Reconnect the FOC plug 2. Replace the FOC
111	FOC verification failure	1. Reconnect the FOC plug 2. Reconnect the small battery inside ECU, insert the main battery, use H1 to perform Re_V3 3. Replace the FOC 4. Replace the ECU
120	Motor failure	1. Reconnect the motor plug 2. Replace the motor
121	BCS MOSFET damage	1. Replace the BCS
122	BCS discharge over current protection	
130	Battery 1 over dis-charging protection	1. Charge battery immediately
131	Battery 1 discharge over current alert	
133	Battery 1 low temperature protection	
134	Battery 1 open circuit or imbalance	1. Check the BMS 2. Measure the cell voltage
135	Battery 1 short circuit protection	1. Check the BMS 2. Measure the cell voltage
136	Water ingress, battery 1	1. Measure the cell voltage 2. If cell voltage is normal, replace the BMS 3. If cell voltage is abnormal, replace the battery
138	Battery 1 MOS damage	1. Replace the BMS
140	Twist grip failure	1. Reconnect the grip plug 2. Replace the twist grip
150	Battery 2 over dis-charging protection	1. Charge battery immediately
151	Battery 2 discharge over current alert	

153	Battery 2 low temperature protection	
154	Battery 2 open circuit or imbalance	1. Check the BMS 2. Measure the cell voltage
155	Battery 2 short circuit protection	1. Check the BMS 2. Measure the cell voltage
156	Water ingress, battery 2	1. Measure the cell voltage 2. If cell voltage is normal, replace the BMS 3. If cell voltage is abnormal, replace the battery
158	Battery 2 MOS damage	1. Replace the BMS
161	Scooter remote lock	1. Reconnect the small battery inside ECU, insert the main battery, use H1 to perform Re_V3 2. Replace the alarm 3. Replace the ECU
183	Fast charger short circuit protection	
190	FOC communication failure	1. Reconnect the FOC plug 2. Reconnect the small battery inside ECU, insert the main battery, use H1 to perform Re_V3 3. Replace the FOC 4. Replace the ECU
191	BMS 1 communication failure	1. Reconnect the BMS plug 2. Reconnect the small battery inside ECU, insert the main battery, use H1 to perform Re_V3 3. Replace the BMS 4. Replace the ECU
192	BMS 2 communication failure	1. Reconnect the BMS plug 2. Reconnect the small battery inside ECU, insert the main battery, use H1 to perform Re_V3 3. Replace the BMS 4. Replace the ECU
194	BCS communication failure	1. Reconnect the BCS plug 2. Reconnect the small battery inside ECU, insert the main battery, use H1 to perform Re_V3

		3. Replace the BCS 4. Replace the ECU

MQi GT NIU SCOOTER

ERROR CODE	MEANING	PRIMARY SOLUTION
10	FOC failure	1. Reconnect the FOC plug 2. Replace the FOC
11	FOC failure	1. Reconnect the FOC plug 2. Replace the FOC
12	FOC failure	1. Reconnect the FOC plug 2. Replace the FOC
13	FOC failure	1. Reconnect the FOC plug 2. Replace the FOC
22	BCS over temperature	
23	BCS low temperature	
30	Battery 1 over charging protection	
31	Battery 1 charge over current protection	
50	Battery 2 over charging protection	
51	Battery 2 charge over current protection	
60	Communication module failure	1. Reconnect the ECU plug 2. Reconnect the small battery inside ECU, insert the main battery, use H1 to perform Re_V3 3. Replace the ECU
65	Communication module failure	1. Reconnect the ECU plug 2. Reconnect the small battery inside ECU, insert the main battery, use H1 to perform Re_V3 3. Replace the ECU
67	Communication module failure	1. Reconnect the ECU plug 2. Reconnect the small battery inside ECU, insert the main battery, use H1 to perform Re_V3 3. Replace the ECU
80	Fast charger temperature protection	
81	Fast charger voltage protection	
82	Fast charger current protection	

99	Main harness communication failure	1. Reconnect the ECU plug 2. Reconnect the small battery inside ECU, insert the main battery, use H1 to perform Re_V3 3. Replace the ECU 4. Replace the main harness
110	FOC failure	1. Reconnect the FOC plug 2. Replace the FOC
111	FOC verification failure	1. Reconnect the FOC plug 2. Reconnect the small battery inside ECU, insert the main battery, use H1 to perform Re_V3 3. Replace the FOC 4. Replace the ECU
120	Motor failure	1. Reconnect the motor plug 2. Replace the motor
121	BCS MOSFET damage	1. Replace the BCS
122	BCS discharge over current protection	
123	Motor hall failure	1. Replace the motor
130	Battery 1 over dis-charging protection	1. Charge battery immediately
131	Battery 1 discharge over current alert	
132	Battery 1 over temperature protection	
133	Battery 1 low temperature protection	
134	Battery 1 open circuit or imbalance	1. Check the BMS 2. Measure the cell voltage
135	Battery 1 short circuit protection	1. Check the BMS 2. Measure the cell voltage
136	Water ingress, battery 1	1. Measure the cell voltage 2. If cell voltage is normal, replace the BMS 3. If cell voltage is abnormal, replace the battery
138	Battery 1 MOS damage	1. Replace the BMS
140	Twist grip failure	1. Reconnect the grip plug 2. Replace the twist grip
141	Twist grip open circuit failure	1. Reconnect the plug

		2. Replace the twist grip
142	Twist grip short circuit failure	1. Reconnect the plug 2. Replace the twist grip
150	Battery 2 over dis-charging protection	1. Charge battery immediately
151	Battery 2 discharge over current alert	
152	Battery 2 over temperature protection	
153	Battery 2 low temperature protection	
154	Battery 2 open circuit or imbalance	1. Check the BMS 2. Measure the cell voltage
155	Battery 2 short circuit protection	1. Check the BMS 2. Measure the cell voltage
156	Water ingress, battery 2	1. Measure the cell voltage 2. If cell voltage is normal, replace the BMS 3. If cell voltage is abnormal, replace the battery
158	Battery 2 MOS damage	1. Replace the BMS
161	Scooter remote lock	1. Reconnect the small battery inside ECU, insert the main battery, use H1 to perform Re_V3 2. Replace the alarm 3. Replace the ECU
183	Fast charger short circuit protection	
190	FOC communication failure	1. Reconnect the FOC plug 2. Reconnect the small battery inside ECU, insert the main battery, use H1 to perform Re_V3 3. Replace the FOC 4. Replace the ECU
191	BMS 1 communication failure	1. Reconnect the BMS plug 2. Reconnect the small battery inside ECU, insert the main battery, use H1 to perform Re_V3 3. Replace the BMS 4. Replace the ECU
192	BMS 2 communication failure	1. Reconnect the BMS plug

		2. Reconnect the small battery inside ECU, insert the main battery, use H1 to perform Re_V3 3. Replace the BMS 4. Replace the ECU
194	BCS communication failure	1. Reconnect the BCS plug 2. Reconnect the small battery inside ECU, insert the main battery, use H1 to perform Re_V3 3. Replace the BCS 4. Replace the ECU
165	Two batteries mismatch	1. Reconnect the battery plugs 2. Slightly bend the BCS plug pins 3. Replace the main harness