

| Caution Code | Location | Code Description  | Further Information  |
|--------------|----------|---|--|
| C-0001       | General  | Caution: Head or Tail Light - Open Circuit                        | Insufficient current draw from lamp circuit                                    |
| C-0002       | General  | Caution: Head or Tail Light - Short Circuit                       | Excessive current draw from lamp circuit                                       |
| C-0003       | General  | Caution: Turn Signal or Brake Light - Open Circuit                | Insufficient current draw from lamp circuit                                    |
| C-0004       | General  | Caution: Left Hand Turn Signal - Error                            | Only one LH Indicator lamp operational   |
| C-0005       | General  | Caution: Right Hand Turn Signal - Error                           | Only one RH Indicator lamp operational   |
| C-0006       | General  | Caution: Turn Signal or Brake Light - Short Circuit               | Excessive current draw from lamp circuit                                       |
| C-0007       | General  | Caution: Bluetooth Initialisation Failure                         | Bluetooth malfunction  |
| C-3001       | General  | Caution: BMS - Discharge Over Temperature                         | BMS temp sensor value above specification during operation                     |
| C-3002       | General  | Caution: BMS - Discharge Under Temperature                        | BMS temp sensor value below specification during operation                     |
| Caution Code | Location | Code Description  | Further Information  |
| C-2058       | Rear     | Caution: Rear Motor - Supply Voltage Low - Power Reduced          | Supply voltage to rear motor below specification                               |
| C-2061       | Rear     | Caution: Rear Motor - Supply Voltage High - Power Reduced         | Supply voltage to rear motor above specification                               |
| C-2062       | Rear     | Caution: Rear Motor - Over Temperature - Power Reduced            | Rear hub motor temp sensor value above specification                           |
| C-2063       | Rear     | Caution: Rear Motor Controller - Over Temperature - Power Reduced | Rear motor controller temp value above specification                           |
| Fault Code   | Location | Code Description  | Further Information  |
| F-0001       | General  | Fault: ECU - Internal Fault                                       | ECU internal memory/processor failure  |
| F-0003       | General  | Fault: ECU - Over Temperature                                     | ECU temp value above specification   |
| F-0004       | General  | Fault: Internal Communications error                              | N/A  |
| F-0005       | General  | Fault: 12V Circuit - Voltage Low                                  | BMS 12V output value below specification                                       |
| F-0006       | General  | Fault: 12V Circuit - Voltage High                                 | BMS 12V output value above specification                                       |
| F-1024       | General  | Fault: Throttle - Voltage out of Range                            | Throttle input voltage abnormal  |
| F-2001       | Rear     | Fault: ECU - Loss of Communication with Rear Controller           | No communication between ECU and Rear motor controller                         |
| F-2011       | Rear     | Fault: Rear Motor - Controller Supply Voltage High                | Supply voltage to Rear motor controller above specification                    |
| F-2012       | Rear     | Fault: Rear Motor - Phase Current High                            | Rear hub motor phase current above specification                               |
| F-2013       | Rear     | Fault: Rear Motor - Current Sensor Fault                          | Rear motor current sensor value abnormal                                       |
| F-2014       | Rear     | Fault: Rear Motor - Current Sensor Above Threshold                | Rear motor current sensor value above specification                            |
| F-2015       | Rear     | Fault: Rear Motor - Controller Temperature High                   | Rear motor controller temp value abnormal                                      |
| F-2016       | Rear     | Fault: Rear Motor - Hall Sensor Signal Error                      | Abnormal signal from Rear hall sensor  |
| F-2017       | Rear     | Fault: Rear Motor - Controller Supply Voltage Low                 | Rear motor controller supply voltage below specification                       |
| F-2018       | Rear     | Fault: Rear Motor - Phase Voltage out of Range (Static Test)      | Rear hub motor phase voltage abnormal - static test                            |
| F-2021       | Rear     | Fault: Rear Motor - Loss of Communication                         | Loss of communication between Rear motor controller & Rear hub motor           |
| F-2022       | Rear     | Fault: Rear Motor - Phase Current High (Intermittent)             | Rear hub motor current spike (intermittent)                                    |
| F-2023       | Rear     | Fault: Rear Motor - Temperature High                              | Rear motor temp sensor value abnormal  |
| F-2024       | Rear     | Fault: Throttle - Voltage out of Range                            | Throttle input voltage abnormal  |
| F-2025       | Rear     | Fault: Rear Motor - Controller Supply Voltage High (Intermittent) | Rear motor controller supply voltage above specification                       |
| F-2026       | Rear     | Fault: Rear Motor - Controller Internal Error                     | Rear motor controller internal error   |
| F-2027       | Rear     | Fault: Rear Motor - Phase Voltage Out of Range (Dynamic Test)     | Rear hub motor phase voltage abnormal - dynamic test                           |
| F-2028       | Rear     | Fault: Rear Motor - Controller Supply Voltage Low (Intermittent)  | Rear motor controller supply voltage below specification (intermittent)        |
| F-2051       | Rear     | Fault: Rear Motor - Communication Timeout                         | Rear motor controller loss of communication with Rear hub motor (intermittent) |

| <b>Fault Code</b> | <b>Location</b> | <b>Code Description</b>  | <b>Further Information</b>                                  |
|-------------------|-----------------|--|---|
| F-2052            | Rear            | Fault: Rear Motor - Hall Sensor Signal Error                       | Abnormal signal from Rear hall sensor                       |
| F-2053            | Rear            | Fault: Rear Motor - Wheel Movement Restricted                      | Rear motor current draw above specified value               |
| F-2054            | Rear            | Fault: Rear Motor - Wheel Speed Signal Error                       | Abnormal signal from Rear hall sensor                       |
| F-2055            | Rear            | Fault: Rear Motor - Internal Communications error                  | Rear motor controller internal error                        |
| F-2056            | Rear            | Fault: Rear Motor - Hall Sensor Signal Error                       | Abnormal signal from Rear hall sensor                       |
| F-2057            | Rear            | Fault: Rear Motor - Hall Sensor Signal Error                       | Abnormal signal from Rear hall sensor                       |
| F-2064            | Rear            | Fault: Rear Motor - Controller Supply Voltage Low - Power Reduced  | Rear motor controller supply voltage below specification    |
| F-2065            | Rear            | Fault: Rear Motor - Controller Supply Voltage High - Power Reduced | Rear motor controller supply voltage above specification    |
| F-2066            | Rear            | Fault: Rear Motor - Thermal Overload - Power Reduced               | Rear motor temp sensor value above specification (critical) |
| F-2067            | Rear            | Fault: Rear Motor - Low Ambient Temperature                        | Rear motor temp sensor value below specification            |
| F-2068            | Rear            | Fault: Rear Motor - Loss of Communication with BMS                 | Rear motor controller- loss of communication with BMS       |