

## Document Information

**Location:** Electrical

**Topic:** Vehicle not charging warning diagnosis steps

**Condition:** Permanent

**Diagnostic Trouble Codes:** P0D6700 - EDS-Battery Charger Control Module Performance - No Sub Type Information

## Measure

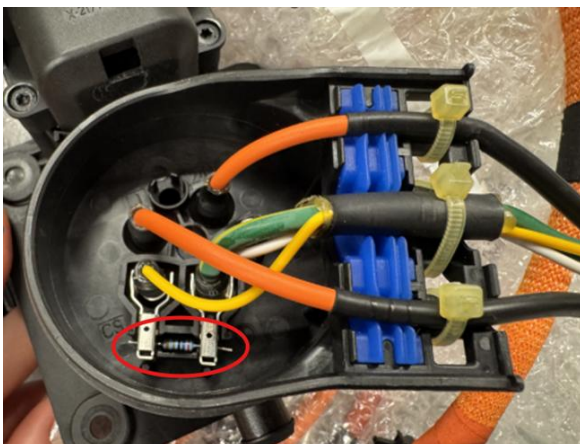
In the event you are presented with a McLaren Artura displaying 'Vehicle Not Charging' in the cluster, please see the below information and recommended checks:

This message can incorrectly display in the cluster when the vehicle is travelling at less than 3 kph, is in neutral or the handbrake is applied whilst the vehicle reaches tethered state voltage.

Obtain a DTC read and freeze-frame reads of the above DTC and IPU Actual Values.

**Care Point:** Before proceeding to the next steps, ensure the vehicles High Voltage (HV) system has been deactivated following the procedure set out in the McLaren Service Portal (MSP) instructions.

- Check the integrity of the resistor located at the back of the Type 1 Charge Port. Measure the resistance of the resistor in place. This reading should be approximately 2.7k $\Omega$



For all Charge Port types:

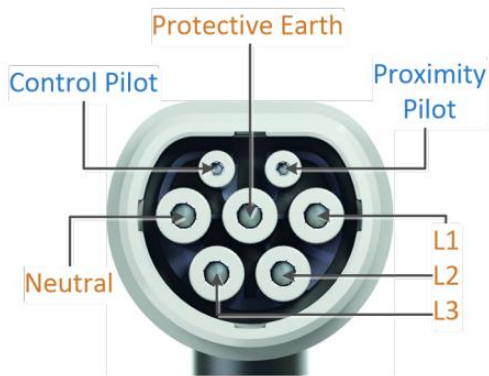
- Check the integrity of the ground located on the left of the rear frame. Ensure the grounds are correctly interlocked with each other, secure and clean



- Measure the resistance of the wiring for the proximity and control pilot lines from the charge port to the intermediate connector located in the wheel arch. Ensure there is no water ingress, backed out pins or corrosion to this connector



### Type 1 Charge Port

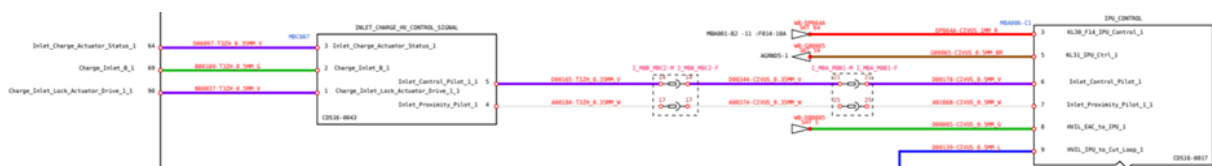


### Type 2 Charge Port

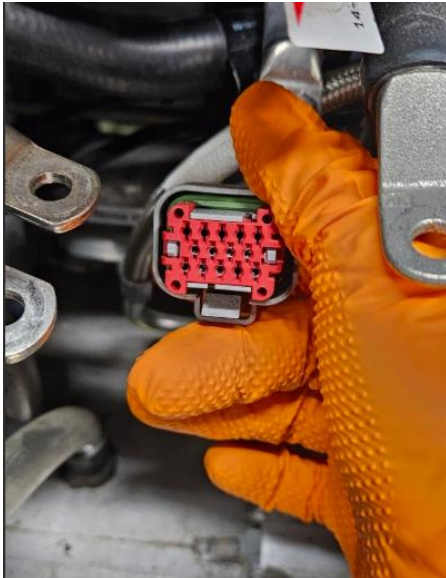


- Measure the resistance for the protective earth at the front of the charge port connector to the rear frame earth

**Care Point:** The wiring diagram lists the control pilot as being violet, however it is yellow.



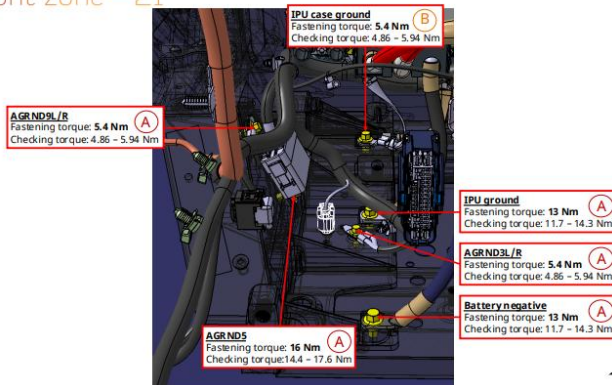
- Measure the resistance for the control and proximity pilots from the intermediate connector to the IPU. Ensure there is no water ingress, backed out pins or corrosion to this connector



- Inspect the power and ground cables for the IPU located on the front subframe

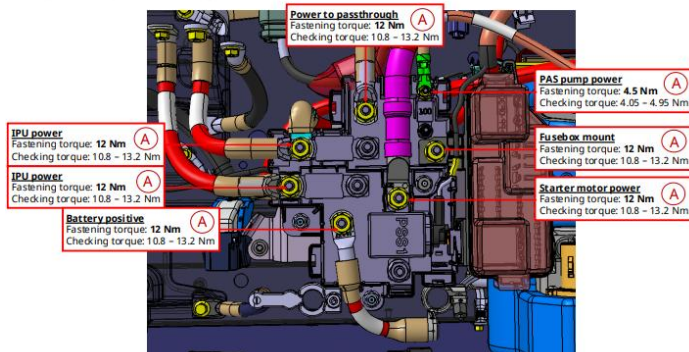
Front zone – Z1

5



Front zone – Z3

7



Should you require further assistance, please raise a Technical Request with a detailed explanation into the fault occurring and the work carried out so far

## Parts Information

N/A

## Attachments

IPU Z1

IPU Z2

IPU Z3

Wiring