

<b>Document Number</b>		CTN0042			
<b>Title</b>		Huracan Kit #11407 Fuel tank pressure sensor voltage			
<b>Revision</b>	<b>Date</b>	<b>Prepared</b>	<b>Checked</b>	<b>Approved</b>	<b>Change History</b>
	14/6/2023	CC	DR,TA	TA	

## 1 Purpose

The OE fuel tank pressure sensor installed in the vehicle is not used by the Master M142 ECU. The sensor's output is higher than the recommended AV input voltage. The sensor is connected through the Master Adaptor Box to pin AV17 on the M142 ECU.

This connection will affect other sensors by approximately 1% and therefore report a slightly lower voltage than actual. This includes MAP and boost sensors, throttle and pedal sensors.

This document details how to alter the wiring between the Master adaptor box and the Master M142 ECU to improve the accuracy of the sensor inputs.

This revision is not urgent but should be undertaken when other service and tuning work is carried out.

### Note:

- This alteration is only required for early versions of the MoTeC Lamborghini Huracan 2014 Kit using a Master Adaptor Box with **No Version number**.
- **Version 1** and **Version 2** Master Adaptor Boxes have revised internal circuitry so DO NOT require this wiring alteration.
- Adaptor Box versions are indicated as shown below.
- Full details of MoTeC's Lamborghini Huracan Plug-In ECU Kit can be found in Datasheet CDS11407.



## 2 Required Components

1. M142 Lamborghini Huracan PLUG IN ECU KIT (Part #11407).  
With Master Adaptor Box (Part #61434) with **No Version number**.
2. Superseal connector blanking plugs (Part #65047).

## 3 Procedure

1. Remove engine bay trim panels to gain access to the Master M142 ECU and Master Adaptor box.
2. Disconnect wiring and remove assembly.
3. Disconnect and remove the M1 Adaptor stub loom **A** (Part #61407) from the Adaptor Box and M142 ECU.



4. Press the white Tabs on the connector to unlock the pins.
5. Carefully remove the wire in position **A05** at both ends of stub loom **A**.
6. Press the white tabs in the opposite direction to lock the pins.
7. Insert a blanking plug (Part #65047) into the empty cavity of both connectors.



8. Re connect the M1 Adaptor stub loom **A** (Part #61407) to both the Adaptor Box and M142 ECU.
9. Re-fit the Master Adaptor Box and M142 ECU assembly.
10. Connect the wiring and refit engine bay trim panels.

## Tuning

All parameters of engine tuning should be checked and adjusted after the wire is removed.

**Note** Anytime a new Master Adaptor Box is fitted engine tuning should be checked and adjusted.