



Date: 05.12.2012

Model: All '12 MY Federal Vehicles Onwards

Number: 2012/18
USA Only

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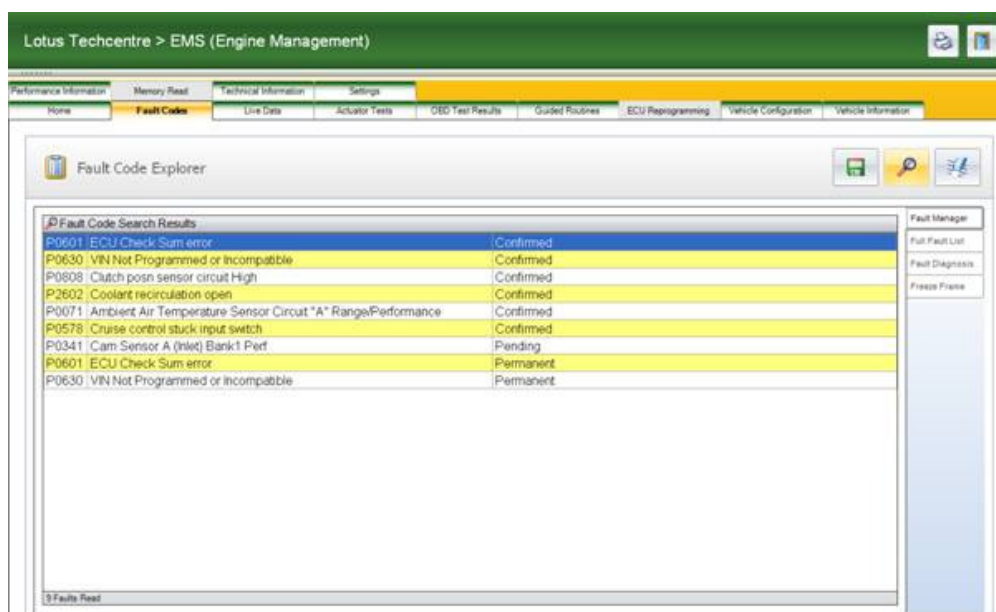
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TITLE:

Revisions to Lotus Techcentre fault code look up screen.

REASON:

Because of CARB legislation requirements, the most recent version updates of Lotus Techcentre have changed the fault code look up screen to describe the fault type by one of 3 terms as shown below which are:



Fault Type

Pending:

Description

A malfunction is detected by engine diagnostics generating a relevant fault code, but the severity of the malfunction is not considered great enough to illuminate the Malfunction Indicator Lamp (MIL)  or Electrical Tell Tale Lamp  immediately.

A pending fault code may change to a 'Confirmed' fault code if detected on the 2nd drive cycle if the same malfunction is detected.

Confirmed:

The malfunction detected was by its severity sufficient to illuminate the MIL or Electrical Tell Tale Lamp.

Permanent:

A 'Permanent' fault code is also stored in the ECU at the same time as the 'Confirmed' fault is generated (but only for MIL lamp illumination). Note: A 'Permanent' code will not automatically delete from the ECU's history even if the 'Confirmed' code has been 'cleared' and the MIL lamp extinguished using suitable diagnostic tooling. (See 'Permanent' Code Erasion information on next page for additional information).

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Additional Pending Code Information

If a pending fault code generated one of the following three scenarios will occur:

- If the malfunction is not detected on its next drive cycle during which monitoring of this malfunction occurred then the pending fault code will automatically be 'cleared'.
- Or. If the same malfunction is detected whilst the pending fault code is still present then it will change the status of the code to 'Confirmed'. This will by default illuminate the MIL or Electrical Tell Tale lamp as well as also storing that code in the 'Permanent' history of the ECU (only for MIL lamp illumination).
- Or. A diagnostic service tool is used to clear the pending fault code.

Extinguishing the MIL / Electrical Fault Tell Tale Lamp

Either lamp can be extinguished under the following situations:

- Confirmed fault codes are cleared using suitable diagnostic equipment i.e. Lotus TechCentre.
- The same malfunction is not detected during three subsequent sequential drive cycles during which monitoring of this malfunction occurs (but 'Confirmed' fault code may still be present).

Erasing a Confirmed Fault Code

A confirmed fault code will be erased under the following situations:

- Confirmed fault codes are cleared using suitable diagnostic equipment i.e. Lotus TechCentre.
- The identified malfunction has not been detected again in the next 40 engine warm-up cycles, and the MIL is presently not illuminated for that malfunction

Permanent Code Erasion

Permanent codes will automatically erase once the cause of the fault code shown on Lotus TechCentre at 'Confirmed' status has been rectified if:

- If no corresponding confirmed fault code is present (i.e. the confirmed fault code has been cleared using TechCentre) and the same malfunction is not detected during the subsequent driving cycle during which monitoring of this malfunction occurs.
- The MIL lamp has self extinguished without the use of diagnostic tooling because the fault was intermittent or temporary and same malfunction was not detected during three subsequent sequential drive cycles during which monitoring of this malfunction occurred.

ACTION:

When using Lotus Techcentre to complete either a PDI, service schedule (reference operation 11 of Isl501) or to investigate and rectify the cause of an illuminated MIL, Electrical Fault Tell Tale lamp or drivability concern, be aware that 'Permanent' codes cannot be manually cleared.

CHARGES:

No warranty charges are associated with the contents of this bulletin.

Ends.

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