

DT12 – TCM CAN Communication Issues with CPC (520193/14 & 1482/12)



INTERNAL INFORMATION

Problem statement: TCM05 (from NewAMTcc) are being replaced due to fault codes for communication, data implausible mainly:

- 520193/14 DT12 TCM CAN Signal Faulty
- 1482/12 – TCM data not plausible

All the TCMs returned due to this fault code were tested NTF at DDC

Root Causes: TCM fails to power-down if the KL15 (ignition) is turned from ON→OFF (between 115ms to 170ms) and then turned to ON very quick, within 570ms.

EXTERNAL (SHAREABLE) INFORMATION

Corrective Action:

Follow below steps to perform hard-reset of TCM:

1. Disconnect battery power supply to the TCM
2. Reconnect the TCM back. This will reset the TCM and bring it back online
 1. This is basically called a Hard reset in communication through the CSC.
3. Update the TCM software to current allowable software on Server
 1. Units will be provided with the latest allowable software package. Reference DTNA Connect – Service Software Versions for latest available by engine.

Additional Information (Shareable)

- Information applies to Model year 2023 and newer units (those with a TCM5 only)
- These units will have the New AMTcc DT12 with two different Software Versions depending on Engine Model and build year.
- Issue can also be triggered due to harness and connection issues
- Workshop manual is being updated to reflect the steps needed to address the issue.