



No.: 16 TS-11
May 12, 2016

TO: Service Locations

FROM: Service Systems Development

SUBJECT: **GHG17 DD Platform Engines And Coolant Temperature Sensor Codes**

ISSUE

Some GHG17 DD Platform engines are experiencing one or more of the following codes:

- SPN 521018/FMI 0 – Group 1 sensors not plausible
- SPN 110/FMI 9 - Coolant Temperature Signal Not Available Via CAN
- SPN 1637/FMI 2 - Coolant Out Temperature Signal Not Plausible
- SPN 110/FMI 0 - Coolant Temperature High
- SPN 3563/FMI 16 – Ambient And Inlet Manifold Pressure Difference (High Box)

These codes are most often being logged right after the engine is started.

CAUSE

Root cause is due to the use of Auxiliary Power Units (APU) and/or block heaters, or other types of auxiliary heaters. These auxiliary heaters raise the temperature at some sensors that are used for a rationality check by comparing values with other sensors that remain cool. An issue with the MCM fuel map could then cause the code.

REQUIRED ACTION

Follow the published troubleshooting for the applicable code in Power Service Literature in the *GHG17 Troubleshooting Manual* (DDC-SVC-MAN-00191). Do not replace any parts unless the troubleshooting shows an actual failure with it. This is extremely rare.

The troubleshooting was updated to include an MCM fuel map update. This fuel map is readily available from the server and does NOT require any assistance from the Customer Support Center (CSC). For new vehicles, the updated fuel map became effective with trucks built after approximately April 15, 2016.

CLAIM PROCESS

Normal in-warranty procedures apply.

If a mechanical failure is found in warranty, file the claim against the appropriate failed part.

If an MCM fuel map failure is found, file the claim as follows:

- Claim type: 1 (base warranty) or 2 (extended coverage)

- Authorization number: APU
- Fault type: 83
- PFP: Reprogram MCM
- Labor code: 021901 (reprogram one of – MCM, CPC, or ACM)

Troubleshooting may include the following labor operations and times:

- Diagnostic Labor Operation 021800A SENSORS-DETROIT SENSOR-FUEL, OIL, COOLANT, AIR (TEMPERATURE, PRESSURE OR MAGNETIC) – EASY
- Diagnostic Labor Operation 021800B SENSORS-DETROIT SENSOR-FUEL, OIL, COOLANT, AIR (TEMPERATURE, PRESSURE OR MAGNETIC) – MODERATE
- Admin Labor Operation 939-6010B, 0.3 hours
- Parts return: none

CONTACT INFORMATION

Please contact the Detroit™ Customer Support Center at 800-445-1980 or email csc@daimler.com if you have any questions.