

# FIELD SERVICE CAMPAIGN BULLETIN

Subject: **Field Service Campaign 16M3**  
**GHG17 DD Platform Model Year 2016 Motor Control Module (MCM)**  
**Replacement**

## **Issue Involved**

Detroit Diesel Corporation (DDC) has determined that some certified Model Year 2016 GHG17 DD platform engines will require replacement of the Motor Control Module (MCM) due to a manufacturing issue with the MCM circuit board.

Improved MCM's became effective with engines manufactured after approximately November 12, 2015. Any model year 2016 engine manufactured between October 27, 2015, and November 12, 2015, and running a suspect MCM will need the MCM replaced. Note that some MCM's may already have been replaced and will be excluded from this Field Service Campaign.

Replacing the MCM will prevent performance issues that may result in customer dissatisfaction.

There are approximately 81 engines affected by this Field Service Campaign.

## **Engines Involved**

A list of engines located in your area of responsibility that require this correction is attached.

The table below gives descriptive information to help identify the affected units:

<b>Model Series</b>	<b>Model Number</b>	<b>Model Year</b>	<b>Inclusive Engine Mfg. Date (From) (To)</b>	<b>Descriptive Information</b>
DD13	D471928	2016	October 27, 2015 to November 12, 2015	All applications
DD15	D472910	2016	October 27, 2015 to November 12, 2015	All applications

## Field Service Campaign Bulletin 16M3

Page Two

### Owner Notification

Detroit Diesel will notify owners of equipment incorporating engines identified with this Field Service Campaign. A copy of the owner letter that will be used by Detroit Diesel is enclosed with this Field Service Campaign bulletin.

### Distributor / Dealer Campaign Responsibility

Detroit Diesel repair facilities are to service all engines subject to this Field Service Campaign. Field Service Campaign 16M3 is to be performed at no charge to owners on all affected engines under the engine warranty or prior to **December 7, 2017**, under the provisions of this Field Service Campaign.

Please use the appropriate steps, noted below, for indicating that Field Service Campaign 16M3 has been completed.

### Daimler Trucks North America Vehicles

- Check the base label (**Form WAR259**) to see if **Field Service Campaign 16M3** has been completed. The base label is usually located on the passenger-side door about 30 cm (12 inches) below the door latch. If **Field Service Campaign 16M3** has been completed, no further work is needed. If base label is not located on the passenger-side door, please affix label (**Form WAR259**) 30 cm (12 inches) from the door latch.
- Upon completion of **Field Service Campaign 16M3**, clean a spot on the base label (**Form WAR259**), write the Field Service Campaign Number (**16M3**) on a blank, black completion sticker (**Form WAR261**), and attach it to the base label.

### Ordering Information

1. If you do not have the appropriate Form or Labels (DDC\_WAR 259, DDC\_WAR 260, DDC\_WAR 261), they can be ordered from **RR Donnelly** by going to **www.DDCSN.com** and clicking on Literature / Ordering Literature.
2. You can also fax in your order to **(800) 773-1430 – ATTN: Jacqueline**
3. Contact **RR Donnelly** at **(800) 280-4520**.

## Field Service Campaign Bulletin 16M3

Page Three

### Parts Information

The part required for this Field Service Campaign is P/N: EA0014465835, quantity one per engine.

### Corrective Procedure

1. Apply the parking brake, chock the wheels, and perform any other applicable safety steps.
2. Replace the MCM with the new one. **REFERENCE** chapter “Engine Electrical” and the appropriate sections in the *GHG17 DD Platform Workshop Manual* (DDC-SVC-MAN-0190).
3. Program the new MCM. You **MUST** use DiagnosticLink<sup>®</sup> Professional 8.03 with Service Pack 1 (or higher) when reprogramming. Note that the current version is DiagnosticLink<sup>®</sup> 8.04 with Service Pack 2. **REFERENCE** Detroit Customer Service Announcement letter 16 CSA-18 for more information on DiagnosticLink<sup>®</sup> 8.04 with Service Pack 2. You must also use the GHG17 green 9-pin diagnostic connector when programming. **REFERENCE** Detroit tool letter 15 TL-21 for more information on the connector.
4. Begin the process by connecting DiagnosticLink<sup>®</sup> to the vehicle. Make sure that all the modules (ACM, CPC, MCM, and if applicable, the TCM) are connected.

#### **NOTICE:**

**BEFORE** you begin reprogramming, make sure the VIN is correct in all modules (ACM, CPC, MCM, and if applicable, the TCM). If the VIN is not correct in all modules, you will get an error message when attempting to reprogram.

## Field Service Campaign Bulletin 16M3

Page Four

5. Make sure the VIN is correct in all modules (ACM, CPC, MCM, and if applicable, the TCM) by looking at the “Identification” screen in DiagnosticLink<sup>®</sup>. If the VIN is not correct in all modules, you can correct the VIN under the Actions drop-down menu in DiagnosticLink<sup>®</sup> by selecting the “Check VIN Synchronization” item. Select “Start” from this panel and follow the prompts. You will be prompted to cycle the key until the routine has completed. When synchronization is complete, turn the key back on and continue with the download process.
6. Select the “Program Device” option along the left side of the DiagnosticLink<sup>®</sup> screen.
7. Select the “Add” button in the upper right corner of the DiagnosticLink<sup>®</sup> screen and enter the engine serial number. Then click the “Connect to Server” button in the bottom right corner of the DiagnosticLink<sup>®</sup> screen. See Figure 1.

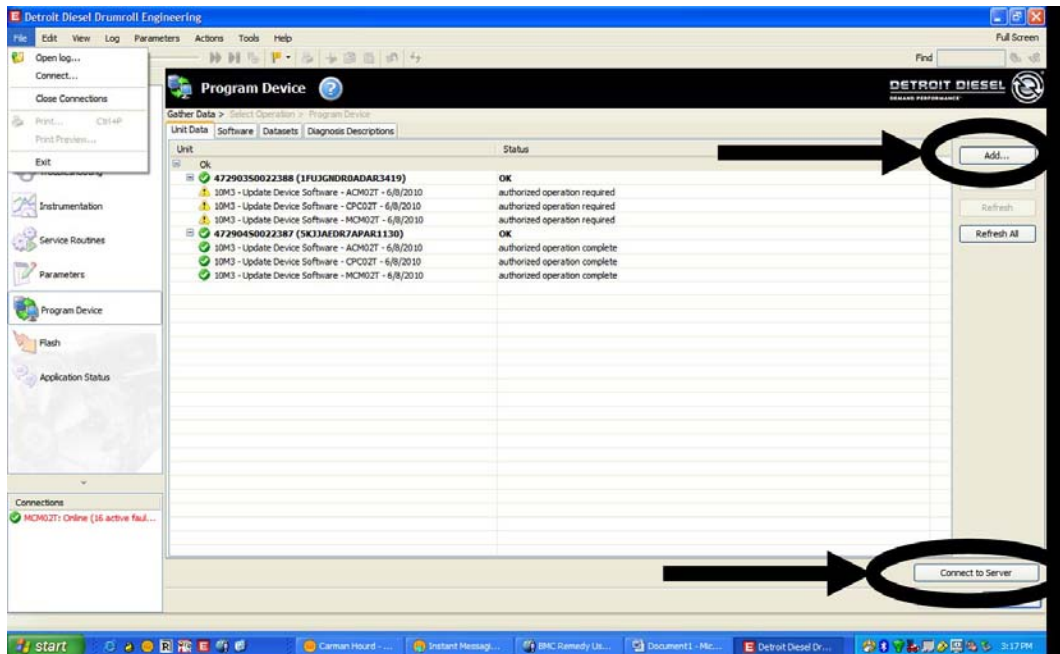


Figure 1 – Adding Engine Serial Number and Connecting To Server

8. Program the MCM based on the engine serial number listing included with this Field Service Campaign.

**Field Service Campaign Bulletin 16M3**  
Page Five

9. When programming is complete, click the “Finish” button and perform the following to allow the modules to synchronize with each other:
  - a) Turn the vehicle ignition OFF, disconnect the USB Link at either the computer port or vehicle diagnostic port, and wait one minute.
  - b) Turn the vehicle ignition ON and wait one minute.
  - c) Turn the vehicle ignition OFF and wait one minute.
  - d) Turn the vehicle ignition ON and wait one minute.
  - e) Reconnect the USB Link, reconnect DiagnosticLink<sup>®</sup> to the MCM, ACM, CPC, and if applicable the TCM, and confirm the proper software and fuel map levels.

<b>NOTICE:</b>
<b>CHECK</b> with the customer to see if Auto Elevate can be enabled. Auto Elevate can prevent Aftertreatment System (ATS) issues.

10. Ask the customer if they would like Auto Elevate activated. **REFERENCE** Detroit Technical Service letter 16 TS-18 for full details on Auto Elevate.
11. Repairs are complete.

**Warranty Information**

<b>Notice</b>	
<b>Administration time, SRT 939-6010A, for 0.3 hours will automatically be added to the claim and the <u>TOTAL LABOR</u> for 16M3 will pay <u>2.4 hours</u>.</b>	
<b>No additional operation is required or will be allowed.</b>	

<b>Claim Type:</b>	<b>01</b>
<b>Modification:</b>	<b>16M3</b>
<b>Fault Type:</b>	<b>ZZ</b>
<b>Primary Failed Part:</b>	<b>A0014465835</b>
<b>Labor Code:</b>	<b>R16M3 R&amp;R and Reprogram MCM</b>
<b>Labor:</b>	<b>2.1 Hours</b>
<b>Parts Return:</b>	<b>NONE</b>

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

DETROIT DIESEL  
13400 Outer Drive West  
Detroit, Michigan 48239-4001

BULLETIN