

EMISSION RECALL BULLETIN

Subject: **Emission Recall D19R3**
GHG17 DD Platform Model Years 2019 Software
Reprogramming

Issue Involved

Detroit Diesel Corporation (DDC) has determined that some certified Model Year 2019 GHG17 DD platform engines were programmed to MY2018 software, and will require reprogramming to a **minimum** of the software and fuel map version listed below.

- MCM software 6.7.0.2 with fuel map version ZGS 002
- ACM software 7.59.2.0 with fuel map version ZGS 002
- For non – New Cascadia vehicles, CPC software R42_00_000A
 - o Note: For Classic Cascadia vehicles with DT12 **and** ICU3, CPC software X42_01_000A
- For New Cascadia vehicles, CPC software 31.23.00
- For DT12 equipped vehicles, TCM software NAMT150700

The software and fuel maps became effective for GHG17 vehicles manufactured after January 2019. Vehicles equipped with GHG17 DD Platform engines manufactured between January and February 2019 running previous manufacturing year MY2018 software / fuel maps, may need the modules reprogrammed. Note that some trucks may already have been reprogrammed and will be excluded from this Recall.

Note that the currently available software and fuel map levels may be higher than the minimum levels shown above.

There are approximately 418 engines affected by this Emission Recall.

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:

Model Series	Model Number	Model Year	Inclusive Vehicle Mfg. Date (From) (To)	Descriptive Information
DD13	D471928	2019	January - February 2019	All applications
DD15	D472910	2019	January - February 2019	All applications
DD16	D473910	2019	January - February 2019	All applications

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Owner Notification

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

Distributor / Dealer Campaign Responsibility

Detroit Diesel repair facilities are to service all engines subject to this Emission Recall. Emission Recall D19R3 is to be performed at no charge to owners on all affected engines under the engine warranty. Please use the appropriate steps, noted below, for indicating that Emission Recall D19R3 has been completed.

Daimler Trucks North America Vehicles

- Check the base label (**Form WAR259**) to see if **Emission Recall D19R3** has been completed. The base label is usually located on the passenger-side door about 30 cm (12 inches) below the door latch. If **Emission Recall D19R3** 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 **Emission Recall D19R3**, clean a spot on the base label (**Form WAR259**), write the Emission Recall Number (**D19R3**) 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 **EPI Printers** by emailing your order to ddc@epiinc.com.
2. You can also fax in your order to **269-698-4240 Attn: Corrina Cotton**
3. Contact **EPI at 734-464-9000**.

Parts Information

There are **no parts** required for this Emission Recall.

Corrective Procedure

1. Apply the parking brake, chock the wheels, and perform any other applicable safety steps.
2. You **MUST** use DiagnosticLink® Professional 8.10 with Service Pack 2 (*or higher*) when reprogramming. **REFERENCE** DTNACONNECT “My Communications” notice dated 04/15/19 for more information on DiagnosticLink® 8.10 with Service Pack 2.
3. Begin the process by connecting DiagnosticLink® 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.

4. 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®. If the VIN is not correct in all modules, you can correct the VIN under the Actions drop-down menu in DiagnosticLink® 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.

5. On the Identification screen, check the current MCM and ACM software and fuel map level. Listed below are the **MINIMUM** levels required. See Figure 1 for an example of the Identification screen for the MCM and Figure 2 for an example of the Identification screen for the ACM.
 - a. MCM **software 6.7.0.2** and fuel map version **ZGS 002**
 - b. ACM **software 7.59.2.0** and fuel map version **ZGS 002**
 - c. For non – New Cascadia, CPC **software R42_00_000A**
 - i. Note: For Classic Cascadia with DT12 and ICU3, CPC **software X42_01_000A**
 - d. For New Cascadia vehicles, CPC **software 31.23.00**
 - e. For DT12 equipped vehicles, TCM **software NAMT150700** (if equipped with the Detroit™ DT12™ transmission)

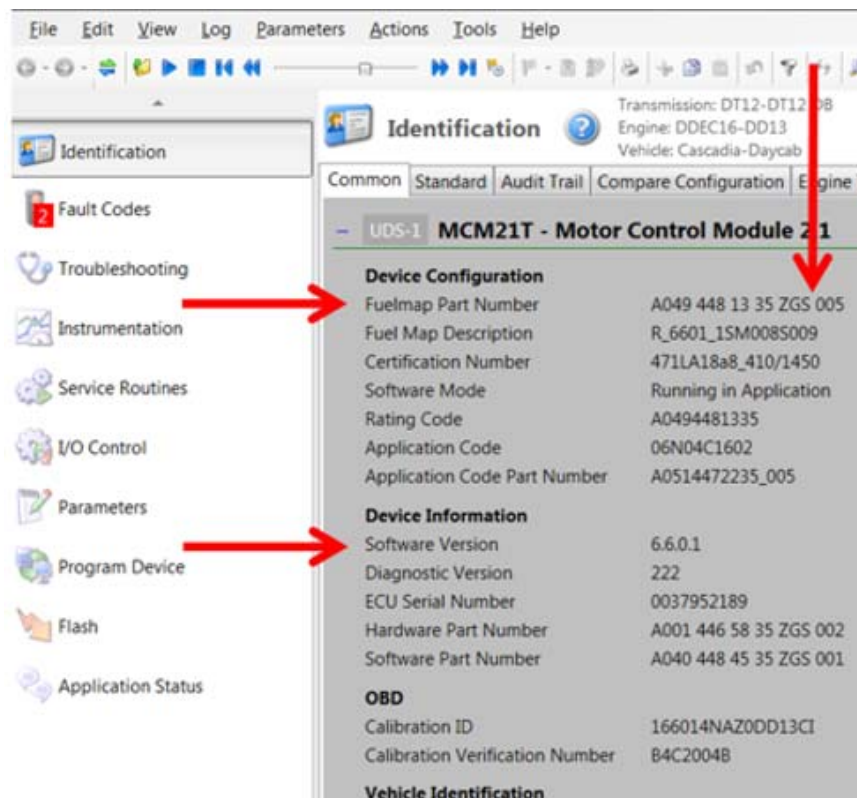


Figure 1 – DiagnosticLink® Identification Screen

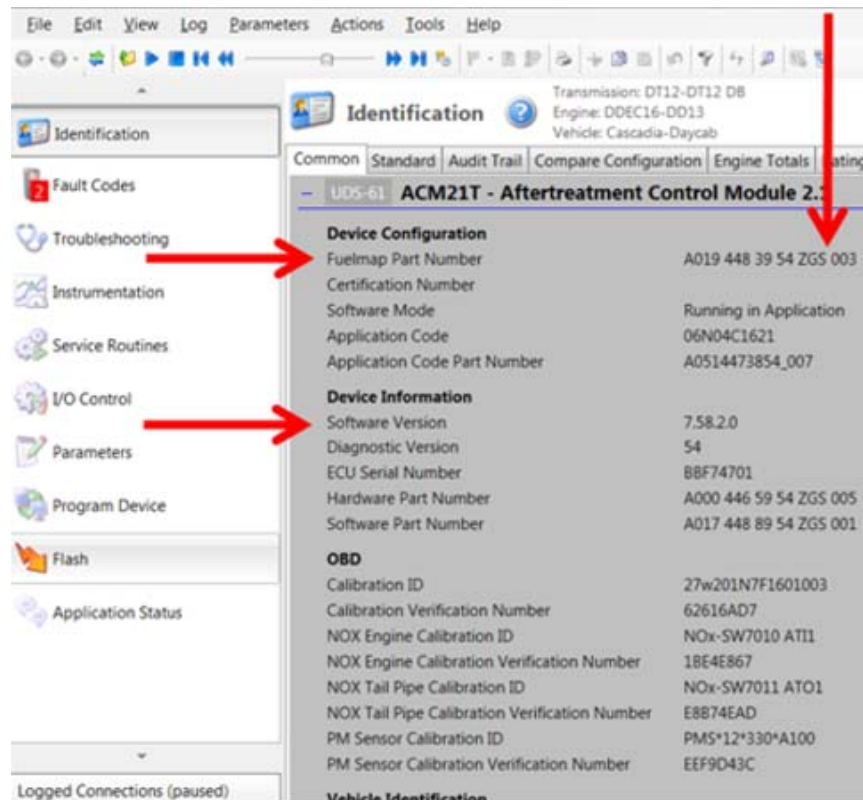
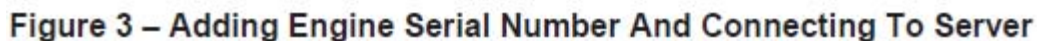


Figure 2 – DiagnosticLink® Identification Screen

6. Is the software level for the MCM, ACM, CPC, and if applicable the TCM, less than, equal to, or higher than the minimum software levels listed in step 5? All modules must meet the **MINIMUM** requirements. For example, in Figure 1, MCM software 6.6.0.1 and Figure 2, ACM software 7.58.2.0 are both less than the minimum levels of 6.7.0.2 and 7.59.2.0, and thus would require programming, regardless of fuel map ZGS version.
 - a. If less than the minimum software levels, proceed to step 7.
 - b. If greater than the minimum software levels, no programming is necessary. Proceed to step 11.
7. Select the “Program Device” option along the left side of the DiagnosticLink® screen.
8. Select the “Add” button in the upper right corner of the DiagnosticLink® screen and enter the engine serial number. Then click the “Connect to Server” button in the bottom right corner of the DiagnosticLink® screen. See Figure 3.

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- 9** Program the MCM, ACM, CPC, and if applicable the TCM, based on the above inspection results and engine serial number listing included with this Emission Recall.
- 10** 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® to the MCM, ACM, CPC, and if applicable the TCM, and confirm the proper software and fuel map levels.
- 11.** Repairs are complete.

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Notice

Claim administration time, SRT 939-6010A, for 0.3 hours will automatically be added.
No additional operation is required or will be allowed.

Warranty Information

Claim Type:	RECALL
Modification	D19R3
Cause Code:	A1-Campaign
Primary Failed Part:	DDC REPROGRAM3
Procedure A	
Labor Code:	996-R193A Reprogram MCM, ACM, CPC
Corrective Action:	12 – Repair Recall/Campaign
Labor:	0.5 Hours
Procedure B	
Labor Code:	996-R193B Reprogram MCM, ACM, CPC, TCM
Corrective Action:	12 – Repair Recall/Campaign
Labor:	0.7 Hours
Parts Return:	NONE

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

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

Daimler Trucks North America LLC

Daimler Trucks North America LLC

Detroit Diesel Corporation
13400 Outer Drive, West
Detroit, Michigan 48239-4001
Telephone: 313-592-5000

Equipment Owner

Subject: **Emission Recall D19R3**
GHG17 DD Platform Model Years 2019 Software Reprogramming

This notice is sent to you in accordance with the requirements of the California and Federal standards and regulations for emission-related diagnostic systems. Daimler Trucks North America LLC, has determined that a defect, which relates to vehicle emissions, exists in certain Model Years 2019 GHG17 DD platform engines.

Records indicate that your vehicle has one of these affected engines. Software and fuel maps will need to be reprogrammed on all affected engines in order to prevent fault codes and performance issues that may result in customer dissatisfaction. The procedure will be completed at no cost to you when performed by an Authorized Detroit Diesel Repair Facility. The scheduled time for this software update is approximately **0.7 hours**.

Please contact a Detroit Diesel Authorized Repair Facility to arrange to have the Field Action performed. To locate an authorized facility, search online at www.detroitdiesel.com/locations/default.aspx.

NOTE: California regulations require that inspectors have the ability to view Engine Serial Number (ESN) using a generic scan tool. The California Air Resources Board (CARB) describes this feature as critical to the execution of their inspection and maintenance program. There was a programming error that prevented viewing the ESN with a generic scan tool. Reprogramming will correctly enable this feature.

Please understand that the California DMV (Department of Motor Vehicles) will reject vehicle registration renewals if this emission related recall has not been completed.

A blank copy of the Vehicle Emission Recall-Proof of Correction Certificate is attached. Please have your repair facility fill this out completely if your vehicle is registered in California. You may need this at the time of your vehicle registration renewal.

If you do not own the vehicle that corresponds to the identification number(s), which appears on the Recall Notification, please return the notification to the Warranty Department, Attention Campaign Coordinator, with any information you can furnish that will assist us in locating the present owner.

If you have paid to have this recall condition corrected prior to this notice, you may be eligible to receive reimbursement. Requests for reimbursement may include parts and labor. Reimbursement may be limited to the amount the repair would have cost if completed by a Detroit Authorized Repair Facility.

Daimler Trucks North America LLC

Daimler Trucks North America LLC

Detroit Diesel Corporation
13400 Outer Drive, West
Detroit, Michigan 48239-4001
Telephone: 313-592-5000

The following documentation must be presented to your dealer for consideration for reimbursement. Please provide original or clear copies of all receipts, invoices, and repair orders that show:

- The name and address of the person who paid for the repair.
- The Vehicle Identification Number (VIN) of the vehicle that was repaired.
- What problem occurred, what repair was done, when the repair was done.
- Who repaired the vehicle.
- The total cost of the repair expense that is being claimed.
- Proof of payment for the repair (such as the front and back of a cancelled check or a credit card receipt).

Reimbursement will be made by check from your Detroit Diesel dealer. Please speak with your Detroit Diesel authorized dealer concerning this matter.

We regret any inconvenience this action may cause but feel certain you understand our interest in conforming to required regulations and environmental protection.

If you have any questions or need further information, please contact the Customer Support Center at (800) 445-1980.

DETROIT DIESEL WARRANTY CAMPAIGNS DEPARTMENT
Enclosure

Daimler Trucks North America LLC

Daimler Trucks North America LLC

Detroit Diesel Corporation
13400 Outer Drive, West
Detroit, Michigan 48239-4001
Telephone: 313-592-5000

Vehicle Emission Recall - Proof of Correction

License Number	Make	Year Model	Body Type	Vehicle Identification Number																				
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Manufacturer _____ Recall Number _____

The above described vehicle has been repaired, modified and/or equipped with new emission control devices to meet applicable California Emission Control Laws.

Dealer's _____ Address, City, State _____

Dealership's Authorized _____
X

Return this certificate to DMV only when required - otherwise retain for your records.