

**Subject: GHG14 DETROIT™ DD13® with One-Box Aftertreatment Software
Reprogramming**

Models Affected: GHG14 DD13 Engines

General Information

Daimler Trucks North America LLC, on behalf of its Detroit Powertrain Division, is initiating Field Service Campaign D20M1 to modify the vehicles mentioned above.

Certain Detroit Model Year 2013 to 2015 GHG14 DD13® engines that are registered in California will require reprogramming to a **minimum** of the MCM software version and fuel map version listed below:

- MCM Software Version 4.7.0.0 ZGS 005

Compatible Software:

- ACM Software Version 5.57.0.0 ZGS 004
- CPC Software Version X34_02_000A or R34_00_000A
- For DT12 equipped vehicles, TCM software version NAMT070700, NAMT076100, or NAMT076200

Updated programming became available in February 2021 for GHG14 DD13® powered vehicles with 1-Box Aftertreatment, manufactured in 2013, 2014, and 2015. These GHG14 DD13® powered vehicles will need the MCM reprogrammed. The ACM, CPC, and TCM (if equipped) may need reprogramming for compatibility.

The new fuel map was developed to reduce base NOx emissions for GHG14 DD13® 1-Box Aftertreatment system applications.

There are approximately 5606 engines affected by this Field Service Campaign.

Note that some engines may already be reprogrammed. These engines will be excluded from this Field Service Campaign; the currently available software levels may be higher than the minimum levels shown above.

Work Instructions

Please refer to the attached work instructions. **Prior to performing the field service campaign, check the vehicle for a completion sticker (Form WAR261).**

Labor Allowance

Table 1 – Labor Allowance for D21M2

Procedure	Time Allowed (hours)	SRT Number	Corrective Action
D21M2			
No Reprogramming Required	0.1 hours	996-F206A	06-Inspect
Reprogram MCM	0.3 Hours	996-F206B	12-Repair Recall/Campaign
Reprogram MCM/ACM	0.4 Hours	996-F206C	12-Repair Recall/Campaign
Reprogram MCM/ACM/CPC	0.5 Hours	996-F206D	12-Repair Recall/Campaign
Reprogram MCM/ACM/CPC/TCM	0.7 Hours	996-F206E	12-Repair Recall/Campaign

Claim Reimbursement

You will be reimbursed for your parts, labor, and handling (landed cost for Export Distributors) by submitting your claim through the Warranty system within 30 days of completing this campaign. Please reference the following information in OWL.

Table 2 – Claim Reimbursement for D21M2

Claim Type	Field Service Campaign
Campaign (number with appropriate condition code)	D21M2
Component Code	044-003-286
Cause Code	A1-Campaign
Primary Failed Part	DDC REPROGRAM1
Procedure A¹	
Use this procedure if programming was NOT REQUIRED.	
Labor Number	996-F206A No Reprogramming Required
Labor Hours	0.1 Hours
Part Number	DDC REPROGRAM1
Parts Return	NONE

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D21M2

Use ONLY one of the following procedures if programming was REQUIRED.	
Procedure B¹	
Labor Number	996-F206B
	Reprogram MCM
Labor Hours	0.3 Hours
Part Number	DDC REPROGRAM1
Parts Return	NONE
Procedure C¹	
Labor Number	996-F206C Reprogram MCM/ACM
Labor Hours	0.4 Hours
Part Number	DDC REPROGRAM1
Parts Return	NONE
Procedure D¹	
Labor Number	996-F206D Reprogram MCM/ACM/CPC
Labor Hours	0.5 Hours
Part Number	DDC REPROGRAM1
Parts Return	NONE
Procedure E¹	
Labor Number	996-F206E Reprogram MCM, ACM, CPC, TCM
Labor Hours	0.7 Hours
Part Number	DDC REPROGRAM1
Parts Return	NONE
¹ Administrative time (SRT 939-6010A) for 0.3 hours is automatically added to the claim.	

This Field Service Campaign will terminate on **February 19, 2022**. Dealers will be notified of any changes.

IMPORTANT: OWL must be viewed prior to beginning work to ensure the vehicle is involved and the campaign has not previously been completed.

All claims must be submitted within 30 days of the repair and within 30 days of the termination date of the campaign.

For questions, U.S. and Canadian dealers, contact the Warranty Campaigns Department via Web inquiry at DTNACconnect.com / WSC, or the Customer Assistance Center at (800) 385-4357. Export distributors submit a Web inquiry or contact your International Service Manager.

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

****Copy of Notice to Owner****

Subject: **Field Service Campaign D21M2**

GHG14 Detroit™ DD13® with One-Box Aftertreatment Software Reprogramming

Daimler Trucks North America LLC, on behalf of its Detroit Powertrain Division, is initiating Field Service Campaign D21M2 to modify the vehicles mentioned above.

Certain Detroit Model Year 2013 to 2015 GHG14 DD13® engines that are registered in California will require reprogramming.

Records available to us indicate that your vehicle has one of the eligible engines. Instructions for this Field Service Campaign have been sent to your local Detroit Diesel Authorized Repair Facility and the labor time required to perform this update is approximately **0.7 hours**.

Please contact a Detroit Diesel Authorized Repair Facility to arrange to have the Field Service Campaign performed. To locate an authorized facility, search online at <https://demanddetroit.com/find-a-dealer/>

This service will be completed for you at no charge, prior to **February 19, 2022** under the provisions of this notice.

We are sorry to cause you this inconvenience; however, we have taken this action in the interest of your continued satisfaction with our products.

DETROIT WARRANTY CAMPAIGNS DEPARTMENT

Enclosure

Work Instructions

Subject: GHG14 Detroit™ DD13® with One-Box Aftertreatment Software Reprogramming

Models Affected: GHG14 DD13 Engines

Corrective Procedure

1. Apply the parking brake, chock the wheels, and perform any other applicable safety steps.
2. You **MUST** use DiagnosticLink® Professional 8.13 with Service Pack 1 (*or higher*) when reprogramming.
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, ACM, CPC, and if applicable, the TCM, software. Listed below are the **MINIMUM** levels required. See Figure 1 for an example of the Identification screen.
 - a) MCM software **4.7.0.0 with ZGS 005**
 - b) ACM software **5.57.0.0 with ZGS 004**
 - c) CPC software **R34 00 000A or X34 01 000A**
 - d) For DT12 equipped vehicles, TCM software **NAMT070700, NAMT076100, or NAMT076200**

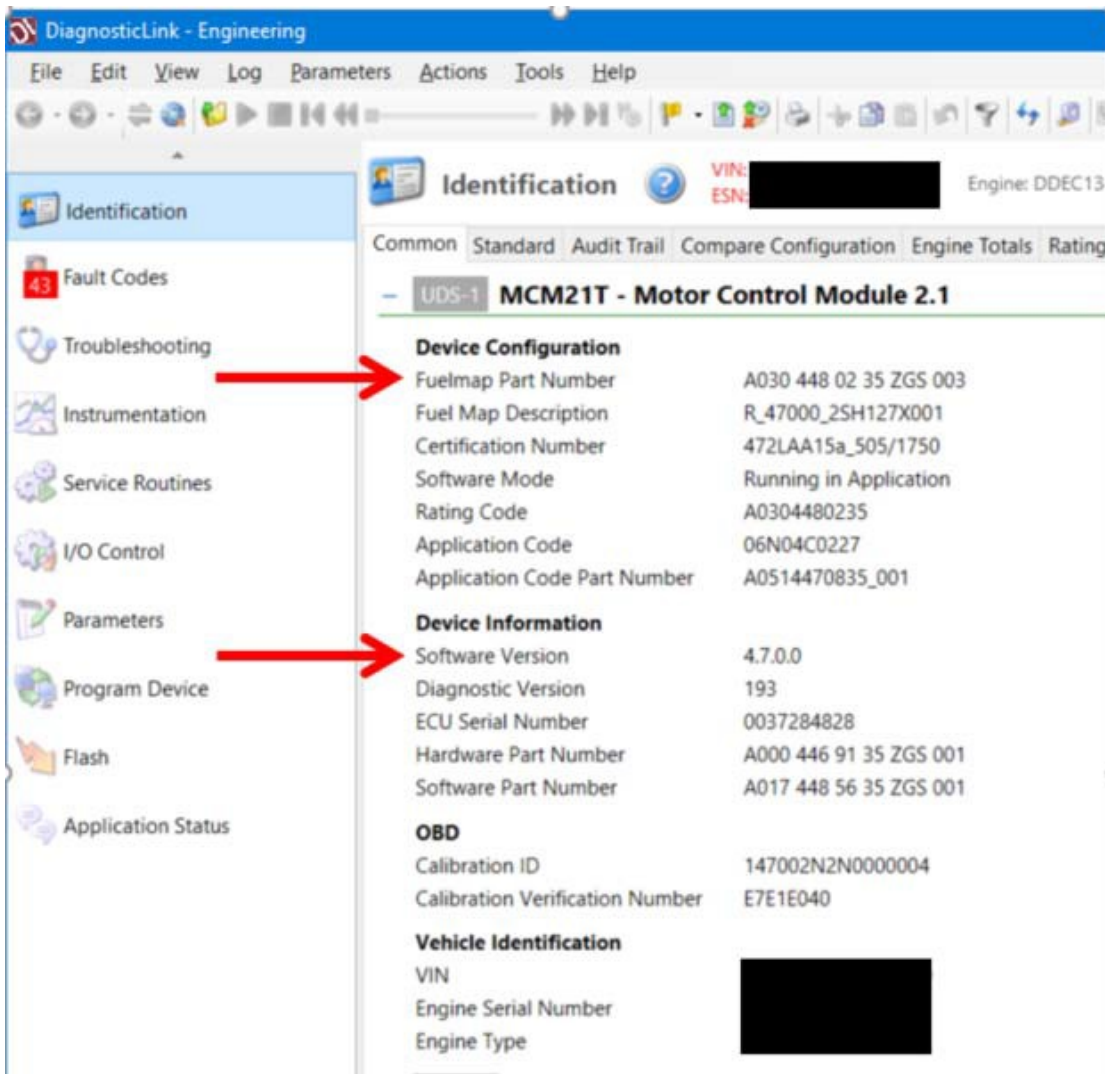


Figure 1 – DiagnosticLink® Identification Screen

6. Is the **software** level for all modules less than, equal to, or higher than the software levels listed in step 5? For example in Figure 1, MCM software 4.7.0.0 with ZGS 003, is equal to required software of 4.7.0.0, but less than the required ZGS 005.
 - a) If less than the required software levels, proceed to step 7.
 - b) If equal to required software, but ZGS is less than 005, proceed to step 7.
 - c) If higher than the required software levels, no programming is necessary. Proceed to step 13.
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 2.

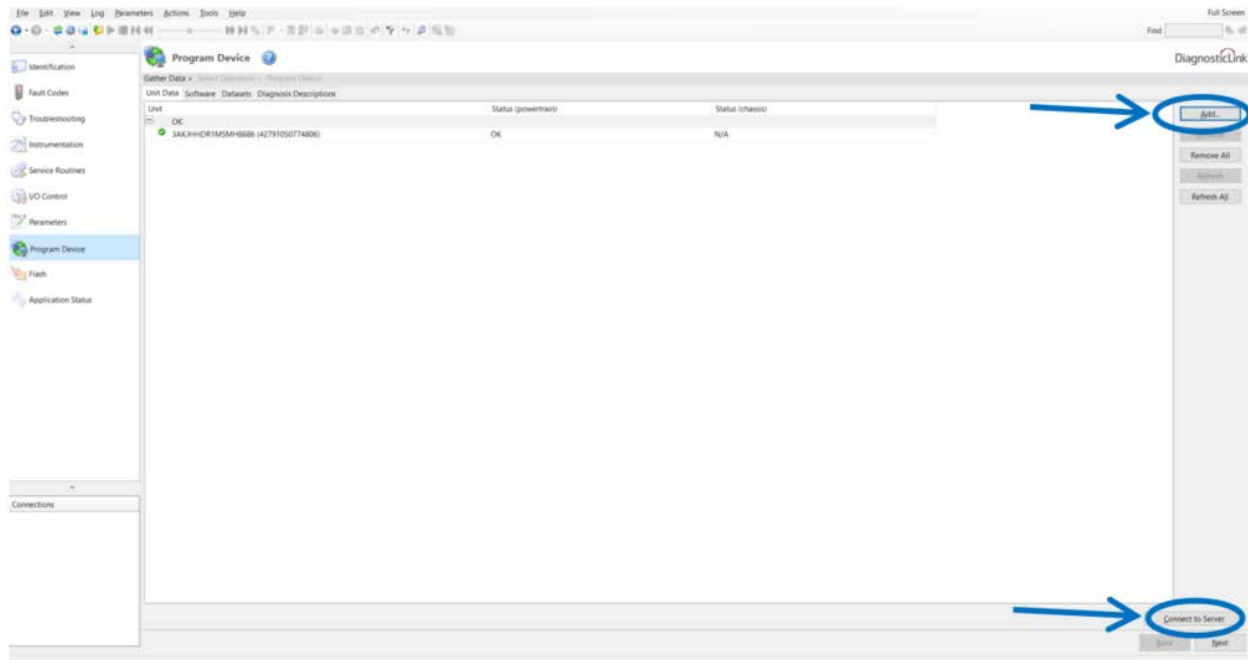


Figure 2 – Adding Engine Serial Number and Connecting To Server

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 Field Service Campaign.
10. When programming is complete, click the “Finish” button and perform the following to allow the modules to synchronize with each other:
 - a) Disconnect the USB Link at 9-pin vehicle diagnostic port.
 - b) Turn the vehicle ignition OFF and wait one minute.
 - c) Turn the vehicle ignition ON and wait one minute.
 - d) Turn the vehicle ignition OFF and wait one minute.
 - e) Turn the vehicle ignition ON and wait one minute.
 - f) Reconnect the USB Link, reconnect DiagnosticLink® to the MCM, ACM, CPC, and if applicable the TCM, and confirm the proper software.
11. Update the server by clicking the “Connect to Server” button in the bottom right corner of the DiagnosticLink® screen.

NOTICE:

CHECK with the customer to see if Auto Elevate can be enabled. Auto Elevate can prevent Aftertreatment System (ATS) issues.

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

Completion Stickers

- Upon completion of Field Service Campaign **D21M2**, clean a spot on the base label (Form WAR259), write the Field Service Campaign Number **D21M2** on a blank, completion sticker (Form WAR261), also on a separate blank completion sticker (Form WAR261) write **D21R2** and **attach both** completion stickers to the base label. **For this campaign it is critical that both stickers (D21M2 and D21R2) are attached.**
- Label ordering info: [DTNACconnect](#) > Services and Reference > Publications & Warranty Supplies > Warranty

Vehicle Emission- Proof of Correction

A blank Copy of the Vehicle Emission – Proof of Correction is attached and must be completed by the repairing outlet and provided to the customer. Customer may need this at the time of vehicle registration renewal. **For this campaign, it is critical that the Proof of Correction form states: Recall Number D21M2 – D21R2**

Vehicle Emission Recall - Proof of Correction

License Number	Make	Year Model	Body Type	Vehicle Identification Number
				<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>

Manufacturer _____ Recall Number D21R2 - D21M2

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.