

DAIMLER

Daimler Trucks North America

Nasser Zamani
Senior Manager
Compliance and Regulatory Affairs

March 27, 2014

Nancy Lewis
Associate Administrator for Enforcement
National Highway Traffic Safety Administration
Attention: Recall Management Division (NVS-215, Rm. W45-206)
1200 New Jersey Avenue S.E.
Washington D.C. 20590

**RE: Defect Information Report – Supplemental Report No. 6
12V-074, FL-622, HDEP EPA07/EPA10 High Pressure Fuel Line
Revised Dealer Notice**

Ms. Lewis,

In accordance with Part 573 of Title 49 of the Code of Federal Regulations, Daimler Trucks North America LLC herewith submits supplemental defect information and copies of documents distributed to dealers.

- (c)(3) Total number of potentially affected vehicles: 95,691
- (c)(8)(ii) Dealer and distributor notification: Began and ended: March 14, 2014
- (c)(10) A copy of communications sent to dealers is attached.

Please contact me if you have any questions, or concerns.

Sincerely yours,


Nasser Zamani

Cc: Amy Martin, CAL-OSHA
Attachment

A Daimler Company

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NHTSA: 12V-074

TC: 2012-080

March 2014
REVISED NOTICE

SAFETY RECALL BULLETIN

Subject: Safety Recall **12C2-Rev4**
EPA07/10 DD Platform High Pressure Fuel Feed Lines

Defect Involved

Detroit Diesel Corporation (DDC) has determined that some certified EPA07/10 DD platform engines will require inspection and *possible* replacement of the two high pressure fuel feed lines and supporting hardware from the high pressure fuel pump to the fuel rail.

This will prevent possible fuel leaks that may result in customer dissatisfaction.

Improved high pressure fuel feed line P-clip bolt retention became effective with engines manufactured after approximately February 1, 2012. Any engine manufactured before February 1, 2012, will need to have their two high pressure fuel feed lines and attaching hardware inspected.

There are approximately 111,320 engines affected by this 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:

Model Series	Model Number	Model Year	Inclusive Mfg. Date	Descriptive Information
DD13	D471901 D471903 D471910 D471911 D471913 D471914 D471915 D471917 D471920	2008 2009 2010 2011 2012	May, 2008 to February 1, 2012	All applications
DD15	D472900 D472901 D472902 D472903 D472904 D472907	2006 2007 2008 2009 2010 2011 2012	September, 2006 to February 1, 2012	All applications
DD16	D473901 D473902	2009 2010 2011 2012	June, 2009 to February 1, 2012	All applications

Owner Notification

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

Distributor / Dealer Modification Responsibility

Detroit Diesel Repair Facilities are to service all engines subject to this recall. The recall is to be performed at no charge to owners on all affected engines under the provisions of this recall notice.

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Please use the appropriate steps, noted below, for indicating that Safety Recall 12C2 has been completed.

Freightliner, Sterling, and Western Star Trucks

- Check the base label (**Form WAR259**) to see if **Safety Recall 12C2** has been completed. The base label is usually located on the passenger-side door about 12 inches (30 cm) below the door latch. If **Safety Recall 12C2** has been completed, no further work is needed. If base label is not located on the passenger-side door, please affix label (**Form WAR259**) 12 inches or 30 cm from the door latch.
- Upon completion of **Safety Recall 12C2**, clean a spot on the base label (**Form WAR259**), write the Safety Recall Number (**12C2**) on a blank, red completion sticker (**Form WAR260**), 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; or**
3. Contact **RR Donnelly** directly at **(800) 280-4520**.

Parts Information

There are no parts required for this Recall.

Corrective Procedure

1. Apply the parking brake, disconnect the batteries, chock the wheels, and perform any other applicable safety steps.

NOTICE

If “12C2” is shown on a base label (Form WAR259) on the passenger-side door **OR** “12C2” is labeled on the Fuel Rail under the fuel feed line fittings (see Figure 6), no further work is necessary since the Recall has already been completed.

2. Inspect the fuel rail clamp bolts for any missing bolts.

2A. If any are found missing, replace all fuel rail tensioning clamps and all fuel rail tensioning clamp bolts with the Fuel Rail Clamp/Bolt Kit, A4720780335 and follow 18SP693 instructions included in the kit. Installation of kit A4720780335 will require replacement of the respective Fuel Line Replacement Kit referenced in step 11. Go to step 11.

2B. If no missing fuel rail bolts are found, torque only the TOP three fuel rail clamp bolts to 10N m (88 in lb) Go to step 3.

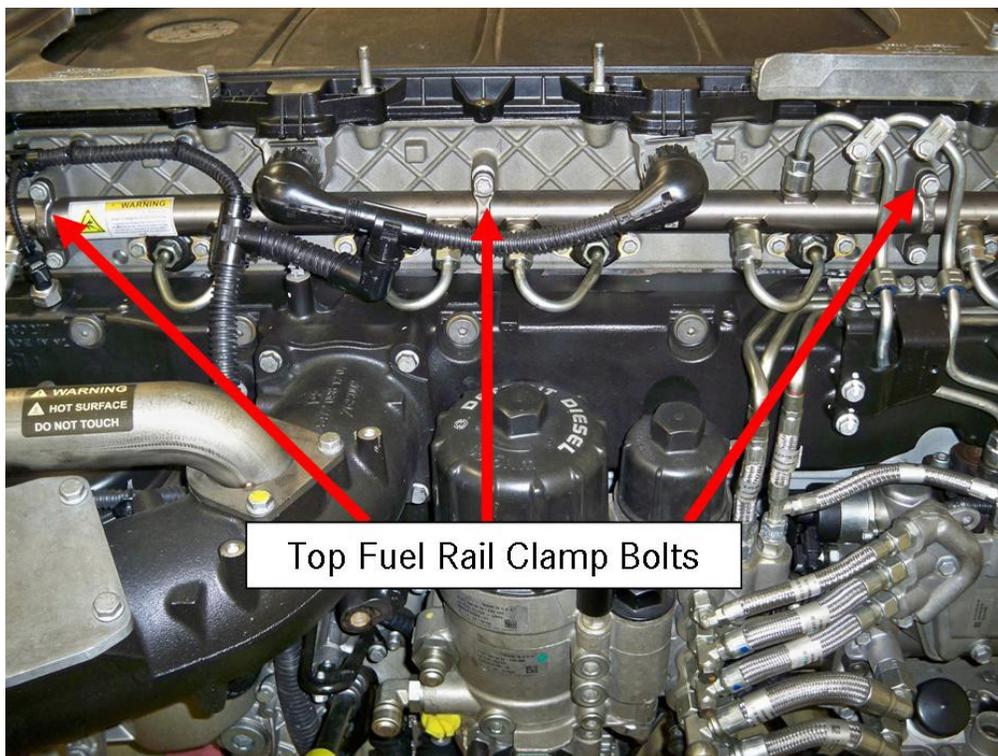
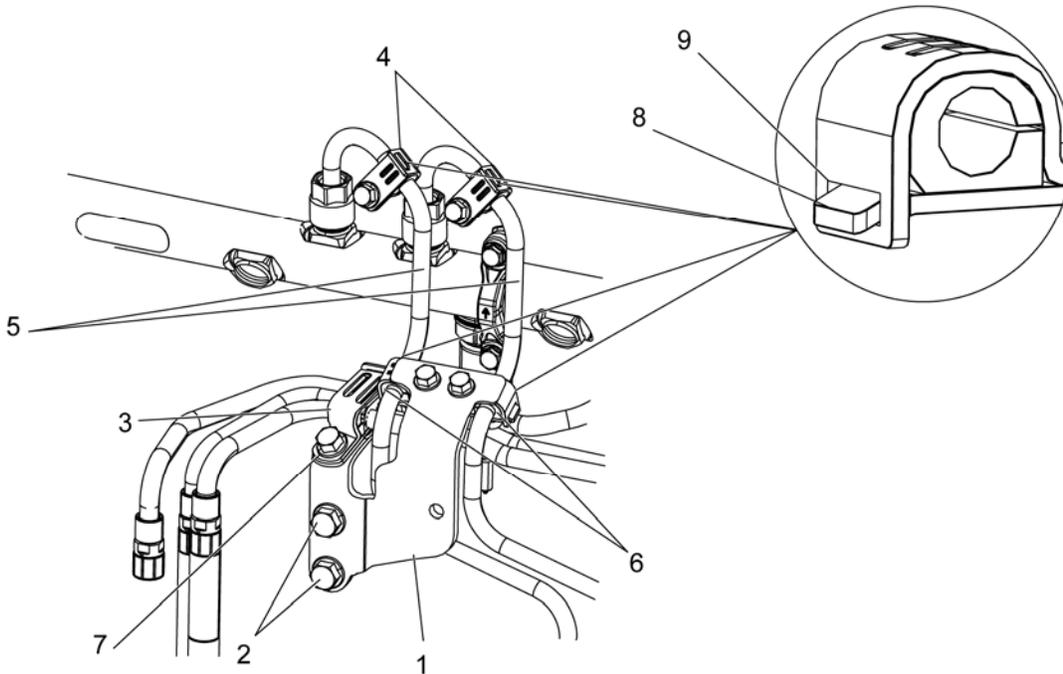


Figure 1 – Top Fuel Rail Clamp Bolts

3. Perform a **VISUAL** inspection to check for missing parts or evidence of fuel leaks. Inspect the High Pressure Fuel Feed Line Mounting Bracket and its attaching bolts, the two P-Clips for the High Pressure Fuel Feed Lines, the two High Pressure Fuel Feed Line Vibration Dampers, and the two High Pressure Fuel Feed Lines. Verify the Lower P-Clip/Vibration Damper Plate is inserted into the P-Clip/Vibration Damper Window. Do not attempt to loosen, tighten or otherwise disturb any of the parts at this time. See Figures 2 and 3.

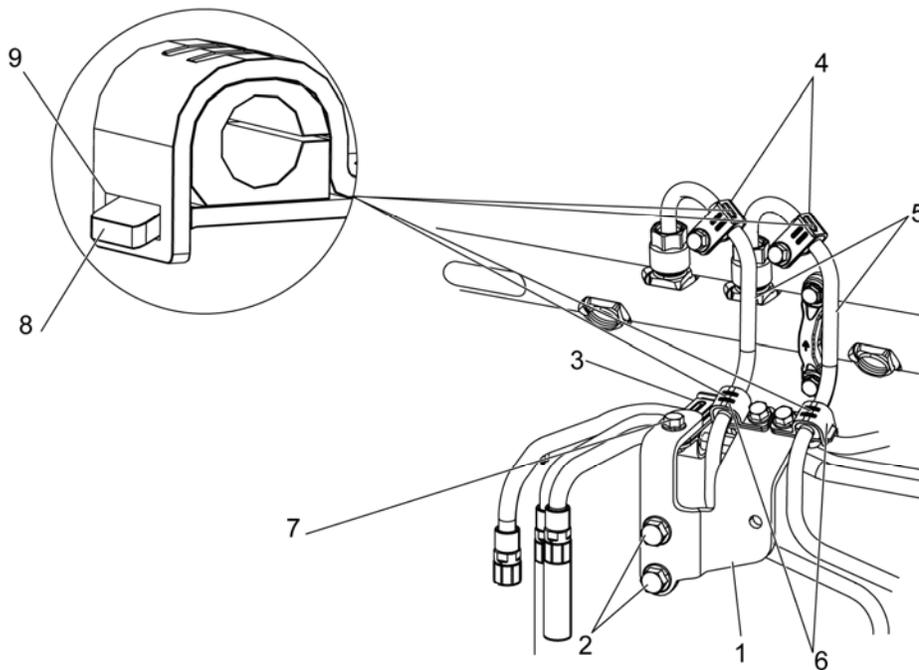


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| 1. Mounting Bracket | 5. High Pressure Fuel Feed Line |
| 2. Mounting Bracket Bolts | 6. P-Clips |
| 3. Return line P-Clip (AMP, PLV & Needle Return) | 7. Return Line P-Clip Bolt |
| 4. Vibration Dampers | 8. Lower P-Clip/Vibration Damper Plate |
| | 9. P-Clip/Vibration Damper Window |

Figure 2 – DD15/16 Engines Before Engine Serial Number 472901S0012796



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- 1. Mounting Bracket
- 2. Mounting Bracket Bolts
- 3. Return line P-Clip (AMP, PLV & Needle Return)
- 4. Vibration Dampers

- 5. High Pressure Fuel Feed Line
- 6. P-Clips
- 7. Return Line P-Clip Bolt
- 8. Lower P-Clip/Vibration Damper Plate
- 9. P-Clip/Vibration Damper Window

Figure 3 – DD15/16 Engines after Engine Serial Number 472901S0012796 and all DD13 Engines

4. Visual inspection results:

- a. If the Return Line P-clip bolt (7) is missing, replace with bolt P/N: N910105006023 **or P/N N910105006024**.
- b. If the Return Line P-clip (3) itself is missing, replace with:
 - For DD13, replace with **P/N: A4720780341 or P/N A4730700440**.
 - For DD15/16 engines built before serial number 472901S0012796, replace with **P/N: A4720780041**.
 - For DD15/16 engines built after serial number 472901S0012796, replace with **P/N: A4720780341 or P/N A4730700440**.
- c. If any of the bolts holding the High Pressure Fuel Feed Line Vibration Dampers (4), High Pressure Fuel Feed Line P-clips (6), or High Pressure Fuel Feed Line Mounting Bracket (2) are missing or damaged, proceed to step 11.
- d. If any part of the High Pressure Fuel Feed Line Vibration Dampers (4), High Pressure Fuel Feed Line P-clips (6), or Lower P-clip/Vibration Damper Plate (8) are missing or damaged, proceed to step 11.
- e. If the Lower P-clip/Vibration Damper Plate (8) is not inserted in the P-clip Window (9), proceed to step 11.
- f. If no parts are missing or damaged, and no evidence of fuel leaks are observed, proceed to step 5.

5. Begin a **PHYSICAL** inspection by doing the following: See Figure 4.
 - a. Using a paint pen, scribe a line across the two Vibration Damper bolts to the middle of the Vibration Damper.
 - b. Using a paint pen, scribe a line across the two bolts holding the two High Pressure Fuel Feed Line P-Clips to the Mounting Bracket.

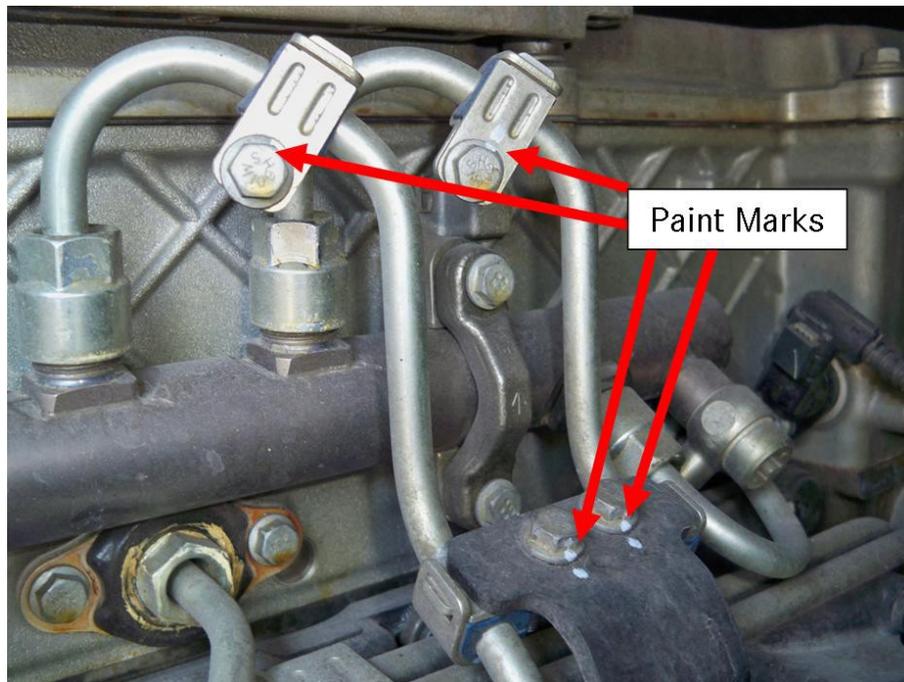


Figure 4 – Paint Marks on Vibration Damper Bolts and High Pressure Fuel Feed Line P-Clip Bolts

6. Torque all four bolts on the two Vibration Dampers and the two High Pressure Fuel Feed Line P-Clips to 12N·m (106 in·lb).
7. Inspect the scribe lines on the two Vibration Dampers and the two High Pressure Fuel Feed Line P-Clips to make sure the scribe lines have not moved. If any of the scribe lines are no longer inline, proceed to step 11.

8. Using a paint pen, scribe a line from the middle of the two Mounting Bracket bolts to the Mounting Bracket. See Figure 5.

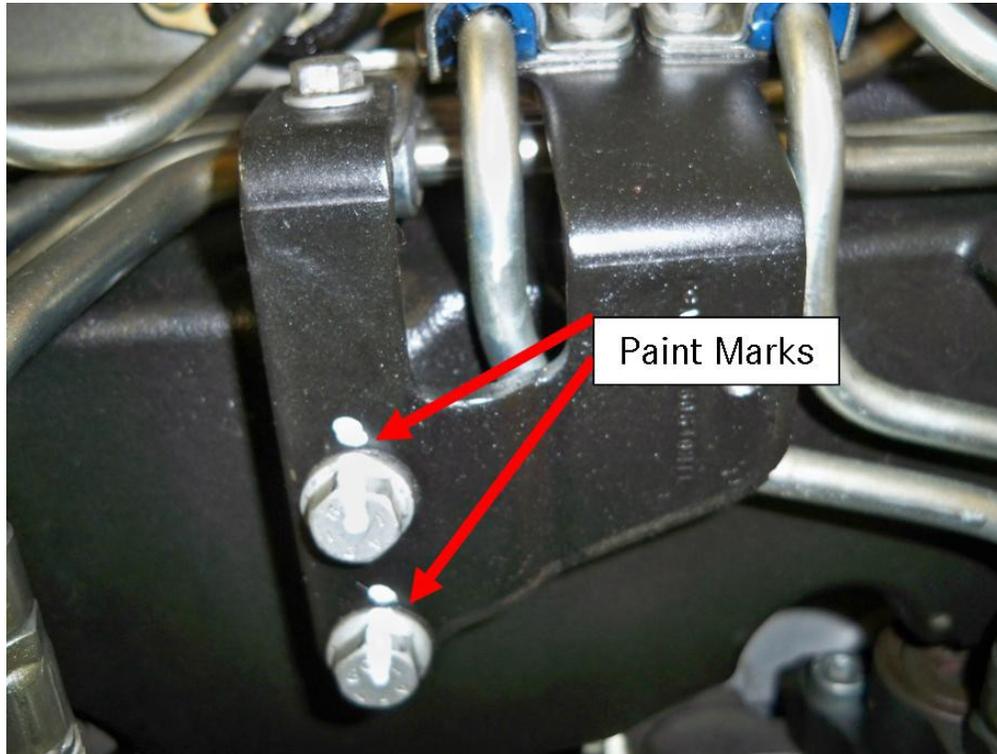


Figure 5 – Paint Marks on Mounting Bracket Bolts

9. Torque both Mounting Bracket bolts to 25N·m (18 ft·lb).
10. Inspect the scribe lines on the two Mounting Bracket bolts and Mounting Bracket.
 - a. If any of the scribe lines are no longer inline, proceed to step 11.
 - b. If the scribe lines are still inline, proceed to step 12.

NOTICE:

Special tool J-48770 will be required to service the High Pressure Fuel Feed Lines.

11. If you were sent here from step 2, step 4, step 7, or step 10, **DO NOT** attempt to drive the vehicle. Replace the two High Pressure Fuel Feed Lines and attaching hardware using one of the following service kits.
 - a. For DD15/16 engines, order service kit P/N **A4720707032** and follow **18SP685** instructions included in the kit or **A4720707932** and follow **18SP698** instructions included in the kit or **A0000701132** and follow **18SP708** instructions included in the kit.
 - b. For DD13 engines, order service kit P/N **A4720707132** and follow **18SP688** instructions included in the kit or **A4710705935** and follow **18SP697** instructions included in the kit or **A0000700832** and follow **18SP707** instructions included in the kit.

- Using a paint pen, write the campaign number “12C2” on the Fuel Rail under the High Pressure Fuel Feed Line fittings. See Figure 6.



Figure 6 – 12C2 Identification on Fuel Rail.

- Write the Safety Recall Number (12C2) on a blank, red completion sticker (Form WAR260).
- Open the passenger-side door. About 12 inches (30 cm) below the door latch there will be a base label (Form WAR259). If the base label is not located on the passenger-side door, affix a new base label (Form WAR259) 12 inches or 30 cm below the door latch.
- Clean a spot on the base label (Form WAR259) and attach the red completion sticker (Form WAR260) on to the clean base label (Form WAR259).

Warranty Information

Note:	Choose <u>Only One</u> Operation That Applies To Your Complete Recall Involvement Of The Vehicle.
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Note:	If during the initial inspection any of the six fuel rail bolts were found missing the procedure being to replace all six bolts. The process of replacing all bolts would require that the high pressure fuel line kit be installed. Choose the operation below that fits your vehicle description and includes inspection and fuel line replacement.
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Claim Type:	04
Modification:	12C2
Fault Type:	ZZ
Primary Failed Part:	N910105006026
Labor Code:	R12C2A Inspection Only (All Models)
Labor Time:	0.3 Hours (Service Level 1,2&3) 0.5 Hours (Service Level 4)
Labor Code:	R12C2AB Inspection and Fuel Line Replacement all Model Vehicles Except Cascadia 113 Only, M2, Sterling and Western Star Model Trucks
Labor Time:	1.4 Hour (All Service Levels)
Labor Code:	R12C2AC Inspection and Fuel Line Replacement Cascadia 113, M2, Sterling and Western Star Model Trucks.
Labor Time:	2.1 Hour (Service Level 1,2,&3) 2.3 Hour (Service level 4)
Labor Code:	R12C2D Use This Operation If the Inspection of the Fuel Lines Was Performed by an Authorized Fleet Customer and the Vehicle was Delivered to you for Fuel Line Replacement. All Model Vehicles Except Cascadia 113 Only, M2, Sterling and Western Star Model Trucks.
Labor Time:	1.1 Hour (All Service Levels)
Labor Code:	R12C2E Use This Operation If the Inspection of the Fuel Lines was Performed by an Authorized Fleet Customer and the Vehicle was Delivered to you for Fuel Line Replacement. Cascadia 113, M2, Sterling and Western Star Model Trucks
Labor Time:	1.8 Hour (Service Level 1,2,&3) 2.0 Hour (Service Level 4)
Parts Return:	NONE

Should you have any additional questions, please contact Detroit Diesel.

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