

# SAFETY RECALL BULLETIN

## (Australia and New Zealand ONLY)

Subject: **Safety Recall D19R5 DD15TC High Pressure Fuel Lines**

### **Issue Involved**

Detroit Diesel Corporation (DDC) has determined that certain Heavy Duty Engine Platform DD15TC EPA07/ADR80/03 engines sold in Australia and New Zealand will require inspection and possible replacement of the two high pressure fuel rail feed lines and supporting hardware from the high pressure fuel pump to the fuel rail.

A small number of vehicles have experienced a leak from the high pressure fuel rail feed lines. In an effort to maximize customer safety and satisfaction, Detroit Diesel Corporation has included in this recall vehicles with the affected fuel line configuration and vehicle application.

There are two groups of vehicles involved in this recall - Group A and Group B - which will specify the group of each specific engine. Please refer to the Online Warranty Link (OWL) to determine specific engine coverage and applicable group.

**Group A** will **REQUIRE REPLACEMENT** of the high pressure fuel rail feed lines and supporting hardware from the high pressure fuel pump to the fuel rail. Refer to Group A Corrective Procedure.

**Group B** will **REQUIRE INSPECTION and possible replacement** of the high pressure fuel rail feed lines and supporting hardware from the high pressure fuel pump to the fuel rail. Refer to Group B Corrective Procedure.

There are approximately 6760 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.

<b>Group</b>	<b>Model Series</b>	<b>Model Number</b>	<b>Model Year</b>	<b>Inclusive Engine Mfg. Date (From) (To)</b>	<b>Descriptive Information</b>
Group A	DD15	D472907S	2017-2019	January 1, 2017 to August 31, 2019	Export (AU/NZ)
	DD15	D472907R	2010-2019	June 3, 2010, to August 31, 2019	Remanufactured Export (AU/NZ)
Group B	DD15	D472907S	2010-2016	June 3, 2010, to December 31, 2016	Export (AU/NZ)

## **Owner Notification**

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

## **Distributor / Dealer Campaign Responsibility**

Detroit Diesel repair facilities are to service all engines subject to this Safety Recall Bulletin. Safety Recall Bulletin D19R5 is to be performed at no charge to owners on all affected engines.

Please use the appropriate steps, noted below, for indicating that Safety Recall Bulletin D19R5 has been completed.

## **Freightliner and Western Star Vehicles**

Australian recall completion procedures (door jamb sticker etc.) are to be defined by Freightliner and Western Star distributors in compliance with the local requirements.

## **Parts Information**

See below table for a list of parts required for this Field Service Campaign. Part numbers can be validated using PartsPro for the applicable engine serial number.

<b>Description</b>	<b>Qty.</b>	<b>Part Number</b>
Two-Filter KM59 Gen1 DD15/16	1	DDE A4720709132
Three-Filter DD15/16	1	DDE A4720709232

## Corrective Procedure

Note: The corrective procedures in this Safety Recall Bulletin are only required for vehicles included in the list of affected vehicles. Refer to OWL to identify if unit is included in Recall and for Group A/B identification. See steps below.

1. Record the Engine Serial Number for the vehicle.
2. Refer to OWL to determine if the unit is in Group A or Group B.
3. Go to OWL and select “**Coverage Info**”. See Figure 1.

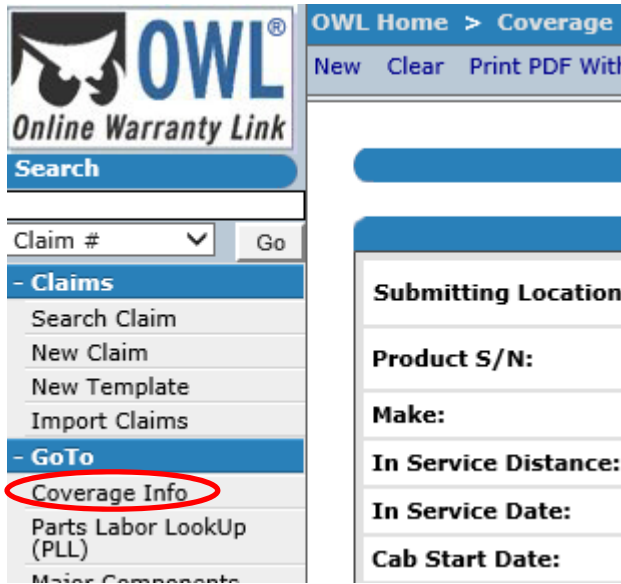


Figure 1

4. Enter the Engine Serial Number and click the Search icon.

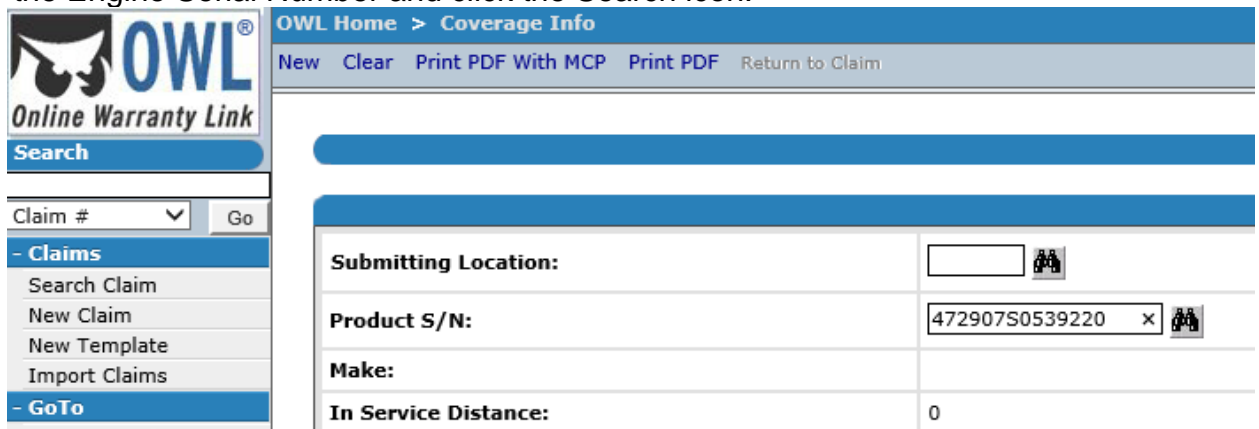


Figure 2

5. Refer to Figure 3 to determine if unit is in Group A or Group B.

Product S/N:	471941S0437117
Make:	DETROIT DIESEL ENGINE
In Service Distance:	200 KILOMETERS
In Service Date:	10/03/2016
Cab Start Date:	
Build Date:	06/02/2016
Refurbished:	<input type="checkbox"/>
PDI Date:	
First Service Date:	

Failure Date:	09/16/2019	
Distance:		KILOMETERS
PFP:		

**Failure Date:** 09/16/2019  
**Distance:** KILOMETERS  
**PFP:**

**OEM Coverage**

**Coverage may be invalid if all parameters in the Coverage Determination Section are not set. Contact ASPHELP@daimler.com.**

Campaign	Campaign Description	Active
D15B.5 - Group A	DD15 HIGH PRESSURE FUEL LINES	Y

**Identifier for Group A or Group B**

Figure 3

6. Continue to either Group A OR Group B Procedure below based on OWL identifier.

## Group A Procedure:

**⚠ WARNING:**

### PERSONAL INJURY

Incorrect installation, replacement or maintenance of high pressure fuel line components may result in the failure of a high pressure fuel line, including the possibility of a fuel leak, resulting in possible fire and/or personal injury.

**⚠ WARNING:**

### PERSONAL INJURY

The high pressure fuel rail feed lines, vibration dampers, P-clamps, mounting bracket and hardware are single-use items and cannot be re-used. Re-use of hardware/component items may result in the failure of a high pressure fuel line, resulting in possible fire and/or personal injury.

1. Apply the parking brake, disconnect the batteries, chock the wheels, and perform any other applicable safety steps.
2. Replace the two High Pressure Fuel Rail Feed Lines and supporting hardware using service kit P/N A4720709132 and follow the procedure set forth in **Installation of the High Pressure Fuel Rail Feed Lines - Two-Filter System** in EPA07/10/GHG14 Fuel Manual (DDC-SVC-MAN-0082)
3. Using a paint pen, write the campaign number "D19R5" on the Fuel Rail under the High Pressure Fuel Feed Line fittings. See Figure 4.



**Figure 4 – D19R5 Identification on Fuel Rail**

4. Repairs are complete.

## Group B Procedure

**⚠ WARNING:**

### PERSONAL INJURY

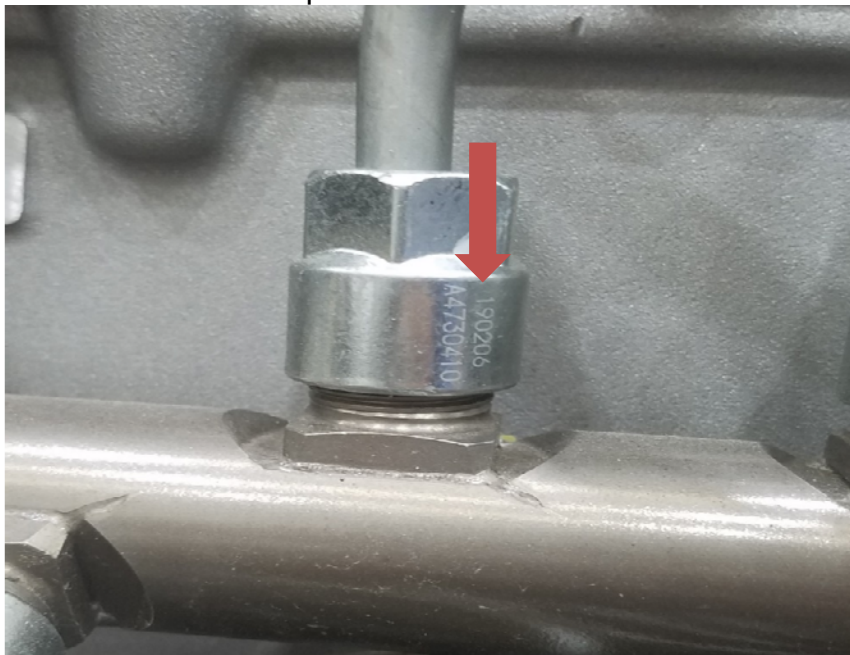
**Incorrect installation, replacement or maintenance of high pressure fuel line components may result in the failure of a high pressure fuel line, including the possibility of a fuel leak, resulting in possible fire and/or personal injury.**

**⚠ WARNING:**

### PERSONAL INJURY

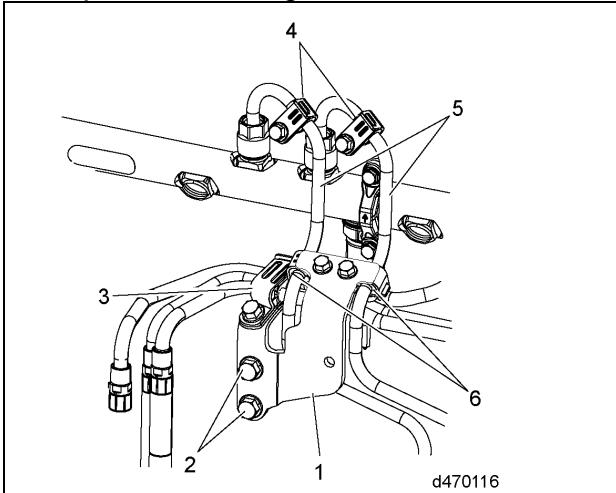
**The high pressure fuel rail feed lines, vibration dampers, P-clamps, mounting bracket and hardware are single-use items and cannot be re-used. Re-use of hardware/component items may result in the failure of a high pressure fuel line, resulting in possible fire and/or personal injury.**

1. Apply the parking brake, disconnect the batteries, chock the wheels, and perform any other applicable safety steps.
2. Check the date code [YYMMDD] on the high pressure fuel rail feed line fitting. See Figure 6.
  - a. If the date code is lower than 170101, the high pressure fuel rail feed lines and supporting hardware will need to be **inspected**. Proceed to step 3.
  - b. If the date code is between 170101 and 190801, the high pressure fuel rail feed lines and supporting hardware will need to be **replaced**. Proceed to step 5.
  - c. If the date code is missing or cannot be read, the high pressure fuel rail feed lines and supporting hardware will need to be **replaced**. Proceed to step 5.
  - d. If the date code is higher than 190801, this unit is not included in this recall. Proceed to step 3.

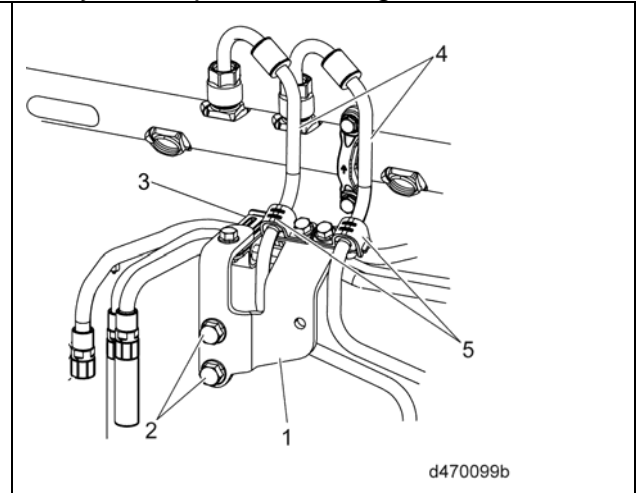


**Figure 5 – Sample Date Code**

3. Perform a visual inspection of the High Pressure Fuel Line area for loose, damaged or missing parts, signs of wear or evidence of fuel leaks. **Do not use any tools as part of this inspection.**
- a. For engines with **three-filter fuel system** and **bolted vibration dampers**, inspect and verify the mounting bracket (1) and its attaching bolts (2), the two P-clips (6), the high pressure fuel feed lines (5), and the two vibration dampers (4) are not missing or loose. Do not attempt to loosen, tighten or otherwise disturb any of the parts. See Figure 6.

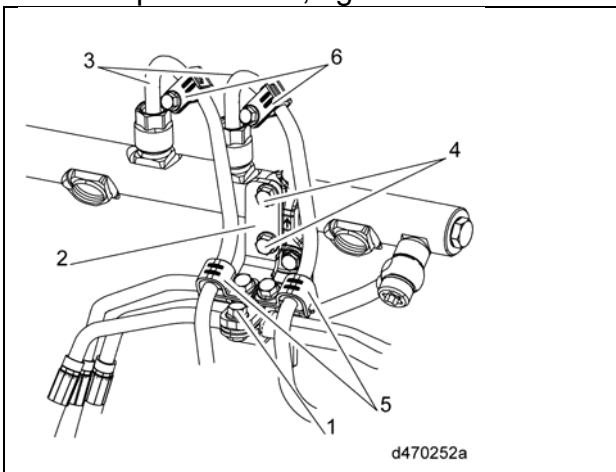


**Figure 6 – Three-Filter Fuel System with Bolted Vibration Dampers**

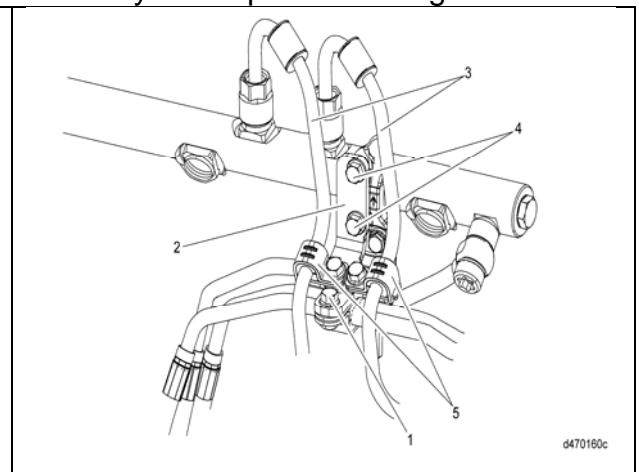


**Figure 7 – Three-Filter Fuel System with Permanent Vibration Dampers**

- b. For engines with **three-filter fuel system** and **permanent vibration dampers**, inspect and verify the mounting bracket (1) and its attaching bolts (2), the two P-clips (5), the high pressure fuel feed lines (4), the two vibration dampers (4) are not missing or loose. Do not attempt to loosen, tighten or otherwise disturb any of the parts. See Figure 7.
- c. For engines with **Two-filter fuel system**, inspect and verify the mounting bracket (2) and its attaching bolts (4), the two P-clips (5), and the high pressure fuel feed lines (3) with two permanent vibration dampers or bolted vibration dampers (6) are not missing or loose. Do not attempt to loosen, tighten or otherwise disturb any of the parts. See Figures 8 and 9.



**Figure 8 – Two-Filter System with KM59 GEN1 with Bolted Vibration Damper**



**Figure 9 – Two-Filter System with KM59 GEN1 with Permanent Vibration Dampers**

4. Inspection results:
  - a. If any loose, damaged or missing parts, signs of wear or evidence of fuel leaks are found, proceed to step 5.
  - b. If no parts are missing or damaged, and no evidence of fuel leaks are observed, proceed to step 6.
5. Replace the two High Pressure Fuel Rail Feed Lines and supporting hardware using one of the following service kits.
  - a. For DD15 engines with a three-filter fuel system, order service kit P/N A4720709232 and follow the procedure **Installation of the DD15 and DD16 High Pressure Fuel Rail Feed Lines - Three-Filter System** in EPA07/10/GHG14 Fuel Manual (DDC-SVC-MAN-0082)
  - b. For DD15 engines with a two-filter fuel system, order service kit P/N A4720709132 and follow the procedure **Installation of the High Pressure Fuel Rail Feed Lines - Two-Filter System** in EPA07/10/GHG14 Fuel Manual (DDC-SVC-MAN-0082)
6. Using a paint pen, write the campaign number "D19R5" on the Fuel Rail under the High Pressure Fuel Feed Line fittings. See Figure 10.



**Figure 10 – D19R5 Identification on Fuel Rail**

7. Repairs are complete.

**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**

<b>Claim Type:</b>	<b>RECALL</b>
<b>Modification</b>	<b>D19R5</b>
<b>Cause Code:</b>	<b>A1-CAMPAIGN</b>
<b>Primary Failed Part:</b>	<b>DDE A4720780310</b>
<b>Labor Code:</b>	<b>996-R195A Use this operation for vehicles in <b>Group A</b> that require fuel line/hardware <b>replacement only</b>. Use for FTL Coronado 114 and Western Star 4900.</b>
<b>Labor:</b>	<b>1.6 Hours</b>
<b>Labor Code:</b>	<b>996-R195A Use this operation for vehicles in <b>Group A</b> that require fuel line/hardware <b>replacement only</b>. Use for FTL Coronado 122, FTL Century Class 120, and FTL Argosy.</b>
<b>Labor:</b>	<b>0.9 Hours</b>
<b>Labor Code:</b>	<b>996-R195B <b>Inspection Only</b>. Use this operation for vehicles in <b>Group B</b> where inspection was performed and no additional repairs were needed. Use for FTL Coronado 114 and Western Star 4900.</b>
<b>Labor:</b>	<b>0.5 Hours</b>
<b>Labor Code:</b>	<b>996-R195B <b>Inspection Only</b>. Use this operation for vehicles in <b>Group B</b> where inspection was performed and no additional repairs were needed. Use for FTL Coronado 122, FTL Century Class 120, and FTL Argosy.</b>
<b>Labor:</b>	<b>0.3 Hours</b>
<b>Labor Code:</b>	<b>996-R195C <b>Inspection and Replacement</b>. Use this operation for vehicles in <b>Group B</b> where inspection was performed AND fuel lines/hardware were replaced. Use for FTL Coronado 114 and Western Star 4900.</b>
<b>Labor:</b>	<b>2.1 Hours</b>

<b>Labor Code:</b>	<b>996-R195C Inspection and Replacement.</b> Use this operation for vehicles in <b>Group B</b> where inspection was performed AND fuel lines/hardware were replaced. Use for FTL Coronado 122, FTL Century Class 120, and FTL Argosy.
<b>Labor:</b>	<b>1.2 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