



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

September 1, 2010

To: U.S. and Canadian Distributors and FLLC Dealers

Attn.: General Service Manager

Subject: **Safety Recall 10C3**
DD Platform EPA07 and EPA10 Low Pressure Fuel Flange

Attached is your copy of Safety Recall 10C3. Also attached is a list of engine serial numbers that, according to our records, are affected by Safety Recall 10C3.

Certain Series EPA07 and EPA10 HDEP engines will require replacement of the low pressure fuel flange. Replacing the flange will prevent fuel leaks that can result in a fire internal to the engine compartment.

If any of these engines have been sold and delivered, it will be required that owners be notified of this Recall so corrective action can be taken. Owners can be notified by sending the attached owner letter. **However, Dealers must complete all outstanding Recalls prior to the sale or delivery of an engine. Dealers will be liable for any progressive damage that results from its failure to complete Recalls before sale or delivery of an engine.**

Instructions for indicating that Campaign 10C3 has been completed are noted in the Safety Recall Bulletin.

If you determine that any of the engines listed, are now located outside your area, or in the event you have any questions, contact Detroit Diesel.

The **Detroit Diesel Warranty System** can be utilized to determine if a particular engine serial number is affected by this campaign.

The attached Safety Recall Bulletin should be used when communicating this Recall to your service organization.

Sincerely,

A handwritten signature in black ink that reads "David P. Dole".

David P. Dole, Sr. Manager
Warranty Operations

SAFETY RECALL BULLETIN

Subject: **Safety Recall 10C3**
DD Platform EPA07 and EPA10 Low Pressure Fuel Flange

Defect Involved

Detroit Diesel Corporation (DDC) has determined that some certified EPA07 and EPA10 HDEP engines will require the replacement of the low pressure fuel flange. Replacing the flange will prevent fuel leaks that may result in customer dissatisfaction.

An improved low pressure fuel flange became effective on the following dates:

- **DD15/DD16 on April 12, 2010**, with engine serial number **472903S0040734**, for engines without an ESOC.
- **DD15/DD16 on April 5, 2010**, with engine serial number **472903S0040319**, for engines with an ESOC.
- **DD13 on April 8, 2010**, with engine serial number **471903S0040560**, for engines without an ESOC.
- **DD13 on April 14, 2010**, with engine serial number **471903S0041141**, for engines with an ESOC.

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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 Family	Model Year	Inclusive Mfg. Date (From) (To)	Descriptive Information
D472900 D472901 D472902	DD15	2007 2008 2009	January, 2007, to April, 2010	All Applications
D472903 D472904	DD15	2010	October, 2008, to April, 2010	All Applications
D471901 D471910	DD13	2007 2008 2009	May, 2008, to April, 2010	All Applications
D471903 D471911 D471913 D471914 D471917	DD13	2010	June, 2009, to April, 2010	All Applications
D473901 D473902	DD16	2010	June, 2009, to April, 2010	All Applications

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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.

Please use the appropriate steps, noted below, for indicating that Safety Recall 10C3 has been completed.

Freightliner, Sterling, and Western Star Trucks

- Check the base label (**Form WAR259**) to see if **Safety Recall 10C3** 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 10C3** 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 10C3**, clean a spot on the base label (**Form WAR259**), write the Safety Recall Number (**10C3**) 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 Access EPI by going to the Detroit Diesel Extranet and click on Access EPI as well as going directly to ddc@epiinc.com.
2. You can also fax in your order to **(269) 968-4260**; or
3. Contact EPI directly at **(269) 964-4600 Ext. 5806**.

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Parts Information

The required parts for this upgrade are shown below.

Part Number	Qty.	Description
A4720781344	1	DD15/DD15 Low Pressure Fuel Flange
A4720781244	1	DD13 Low Pressure Fuel Flange
A0000912380	1	Sealing Plate

Removal Procedure

1. Apply the parking brake, chock the wheels, disconnect vehicle battery power, and perform any other applicable safety steps.
2. **REFERENCE** sections 9.2 and 12.2 of the EPA07/10 Fuel Manual (DDC-SVS-MAN-0082) for complete removal instructions. See Figure 1.

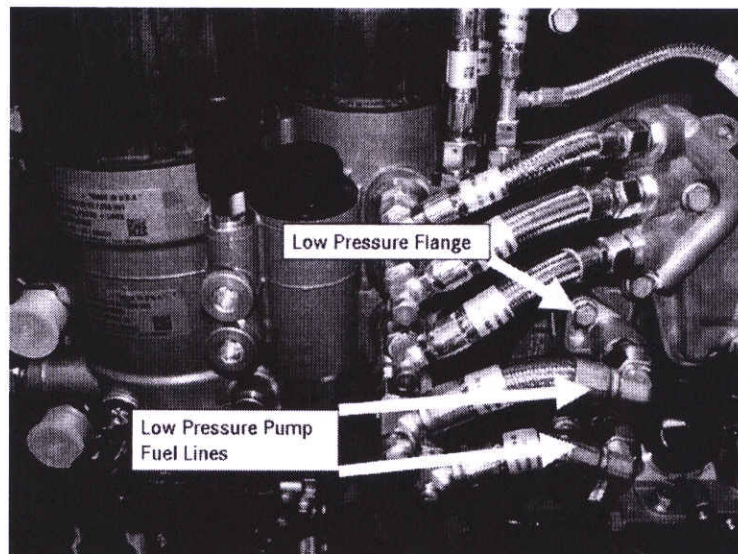


Figure 1 – Low Pressure Flange And Fuel Lines

3. Remove the low pressure fuel pump inlet line from the low pressure flange.
4. Remove the low pressure fuel pump outlet line from the low pressure flange.
5. Remove the three bolts and remove the low pressure pump flange. Discard the flange and gasket. Save the bolts for reuse.

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Installation Procedure

1. **REFERENCE** sections 9.3 and 12.3 of the EPA07/10 Fuel Manual (DDC-SVS-MAN-0082) for complete installation instructions.
2. Using a new gasket, install the new low pressure pump flange onto the high pressure pump. Torque the three bolts to 30 Nm (22 lb-ft).
3. Install the low pressure fuel pump outlet line and torque to 45 Nm (33 lb-ft).
4. Install the low pressure fuel pump inlet line and torque to 45 Nm (33 lb-ft).
5. Prime the fuel system with the ESOC 350.

Priming Procedure

1. **REFERENCE** sections 2.1 EPA07/10 Fuel Manual (DDC-SVS-MAN-0082) for complete priming instructions.
2. Connect air supply 827 kPa (min. 120 psi).
3. Press "STOP" button once.
4. Open ball valve.
5. Fill the unit with approximately two gallons of clean ultra-low sulfur diesel fuel by pouring the fuel into the fill box on the top of the machine. Ensure that the ball valve is open when pouring the fuel into the fuel fill box.
6. Close the ball valve when the fuel tank is full.
7. Connect the priming port adaptor on the end of the hose to the priming adaptor on the engine.
8. Depress the "START" button on the machine and watch the gauge. The gauge should rise up to around 90 psi. If there is a need to stop the machine for any reason (leaks, forgot to connect the hose, etc.), depress the red "STOP" button.

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9. The machine will prime at 438 kPa (70 psi) until the unit is almost out of fuel (it is designed to shut off before pumping air into the system); allow the machine to turn off on its own. There will be a sound of air pressure relieving when the prime cycle is complete.
10. Disconnect the priming hose and start the engine.

NOTE:

To refill the holding tank without pouring fuel into the filler box, the priming hose may be connected with the machine off and the engine running. This will use engine fuel pressure to refill the holding tank. Disconnect the machine when the holding tank fuel level reaches the top of the gauge.

NOTICE:
Leaving the hose connected with the engine running will cause the holding tank to overflow.

11. Allow the engine to run until any remaining air in the system is purged.

NOTICE:
If an alternative priming pump is used, it must be capable of maintaining 483 kPa (70 PSI) during the entire priming event; typically a minimum of two minutes. To maintain 483 kPa (70 PSI) during priming normally requires a pump with a minimum rating of 5 gpm at 70 PSI flow rating. Priming with pressures below 483 kPa (70 PSI) can result in damage to the high pressure pump.

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Warranty Information

Claim Type:	04
Modification:	10C3
Fault Type:	ZZ
Primary Failed Part:	DD15/16: A4720780844 DD13: A4720780644
Labor:	1.2 Hours
Labor Code:	R10C3
Parts Return:	NONE

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

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

BULLETIN



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

Attention: Equipment Owner

**Subject: Safety Recall 10C3
DD Platform EPA07 and EPA10 Low Pressure Fuel Flange**

This notice is sent to you in accordance with requirement of the National Traffic and Motor Vehicle Safety Act. This notice is also sent in accordance with the Canadian Motor Vehicles Safety Act.

Detroit Diesel has decided that a defect which relates to motor vehicle safety exists in certain certified Series EPA07 and EPA10 HDEP engines.

Certain Series EPA07 and EPA10 HDEP engines will require replacement of the low pressure fuel flange. Replacing the flange will prevent fuel leaks that can result in a fire internal to the engine compartment.

Records available to us indicate that your vehicle is equipped with one of these affected engines. Detroit Diesel will repair your engine at no charge to you.

We ask that you take your unit to the closest Authorized Repair Facility to have the work performed. We estimate that the labor time required to perform this Safety Recall on your engine is approximately 1.2 hours.

If you have any questions about this Safety Recall you may call our Customer Support Center at (313) 592-5800. If you believe that Detroit Diesel has failed or is unable to remedy the defect without charge within a reasonable time, you may submit a complaint to the Administrator, National Highway Traffic Safety Administration, 1200 New Jersey Avenue, S.E., Washington, D.C. 20590 or call the toll-free Vehicle Safety Hotline at 1-888-327-4236 (TTY: 1-800-424-9153); or to <http://www.safercar.gov>. If your vehicle is involved in the Canadian portion, you may wish to notify Transport Canada, ASFAD, Place de Ville Tower C, 330 Sparks Street, Ottawa, ON K1A 0N5, or phone (800) 333-0510.

If you had this repair done before you received this letter, you may be eligible to receive reimbursement for the cost of obtaining a pre-notification remedy of the problem associated with this recall. **If you are the lessor of this vehicle, Federal Law requires that you forward this notice to the lessee within ten days.** For more information, contact Customer Support Center at Detroit Diesel Corporation, 13400 Outer Drive West, Detroit, MI 48239 or call (313) 592-5800.



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We regret any inconvenience this action may cause. However, we have taken this action in the interest of your continued satisfaction with our products as well as our interest in motor vehicle safety.

**DETROIT DIESEL
SAFETY RECALL 10C3
SERVICE ADMINISTRATION CAMPAIGN COORDINATOR (BX-5)**