



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

April 19, 2010

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

Attn.: General Service Manager

Subject: **Safety Recall 09C2**
EPA07 MBE 4000 Low Pressure Fuel Line

Attached is your copy of Safety Recall 09C2. Also attached is a list of engine serial numbers that, according to our records, are affected by Safety Recall 09C2.

Certain EPA07 MBE 4000 engines will require replacement of the low pressure fuel line with the latest design made from steel. There are approximately 12,484 engines involved and the new steel line became effective with engine serial number 0460932939. In addition to installing new fuel lines, there are approximately 911 engines, before engine serial number 0460888753 that must have the fuel filter housing wall thickness inspected. Also certain vehicles may have been built with a vehicle electrical harness routing that contacts the low pressure fuel line. By inspecting and replacing the low pressure fuel lines, fuel filter housing and rerouting the electrical harness it 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 09C2 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,

David P. Dole

David P. Dole, Sr. Manager
Warranty Operations

DETROIT DIESEL



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13400 Outer Drive, West
Detroit, Michigan 48239-4001
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Attention: Equipment Owner

**Subject: Safety Recall 09C2
MBE 4000 EPA07 Low Pressure Fuel Lines**

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 MBE 4000 EPA 07 engines equipped in Daimler Trucks North America vehicles.

Low pressure fuel lines will need to be replaced with an improved design made from steel and the fuel filter housing will need to be inspected. Also certain vehicles may have been built with a vehicle electrical harness routing that contacts the low pressure fuel line. Replacing the low pressure fuel line and rerouting the electrical harness will prevent fuel line damage and fuel leaks which 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 3.0 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.

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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.

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 09C2
SERVICE ADMINISTRATION CAMPAIGN COORDINATOR (BX-5)**

SAFETY RECALL BULLETIN

Subject: **Safety Recall 09C2**
EPA07 MBE 4000 Low Pressure Fuel Line

Defect Involved

This Safety Recall is composed of two (2) items:

1. Detroit Diesel Corporation (DDC) has determined that some certified EPA07 MBE 4000 engines will require replacement of the low pressure fuel line with the latest design made from steel. The new steel line became effective with engine serial number 0460932939. There are approximately 12,484 engines involved. Replacing the low pressure fuel line will prevent fuel leaks that may result in customer dissatisfaction. In addition to installing the new parts, about 911 engines before engine serial number 0460888753 must have the fuel filter housing wall thickness inspected.
2. Certain vehicles may have been built with a vehicle electrical harness routing that contacts the low pressure fuel line. The electrical harness will be rerouted. The new routing became effective at the truck plants on July 31, 2008. There are approximately 8,800 vehicles involved. Rerouting the electrical harness will prevent fuel leaks that may result in customer dissatisfaction.

Engines Involved

A list of engines located in your area of responsibility that require this Recall is attached. As stated above this Recall is composed of two (2) items and have two (2) different engine serial number lists.

Table 1 The table below gives descriptive information to help identify those units that are affected in **Item One (1)**

Model Series	Model Year	Inclusive Mfg. Date (From) (To)	Descriptive Information
4067MT7E	2007 2008 2009	January, 2007 to December, 2009	All Applications Except Car Hauler With Rear Mounted Fuel Filter Housing

Engines Involved – Continuation

Table 2 The table below gives descriptive information to help identify those units that are affected in **Item Two (2)**

Model Series	Model Year	Truck Inclusive Mfg. Date (From) (To)	Descriptive Information
4067MT7E	2007 2008 2009	January 17, 2006 to July 31, 2008.	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.

Please use the appropriate steps, noted below, for indicating that Safety Recall 09C2 has been completed.

Freightliner, Sterling, and Western Star Trucks

- Check the base label (**Form WAR259**) to see if **Safety Recall 09C2** 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 09C2** 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.

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- Upon completion of **Safety Recall 09C2**, clean a spot on the base label (**Form WAR259**), write Safety Recall Number **09C2** 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.

Parts Information

The required parts for this upgrade are shown below:

ITEM ONE (1)	Part Number	Qty.	Description
	A4600703032	1	EPA07 MBE4000 Steel Low Pressure Fuel Line Kit
ITEM TWO (2)	Part Number	Qty.	Description
	25-SF401-000	1	EPA07 MBE4000 Vehicle Electrical Harness Routing Kit

Corrective Procedure

ITEM ONE (1) PROCEDURE (Steps 1 through 3)

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

2. On the left side of the engine, **INSPECT** the low pressure fuel line that runs from fuel filter housing to the left front of the cylinder block. Reference Figure 1 for the location and appearance of the unpainted **NEW** steel fuel line.
 - a. If it is an unpainted steel line, then it does **NOT** need replacing. Go to the Corrective Procedure for **Item Two** starting on page five.
 - b. If it is a plastic line (painted or unpainted), then it **WILL** need to be replaced. Go to step 3.

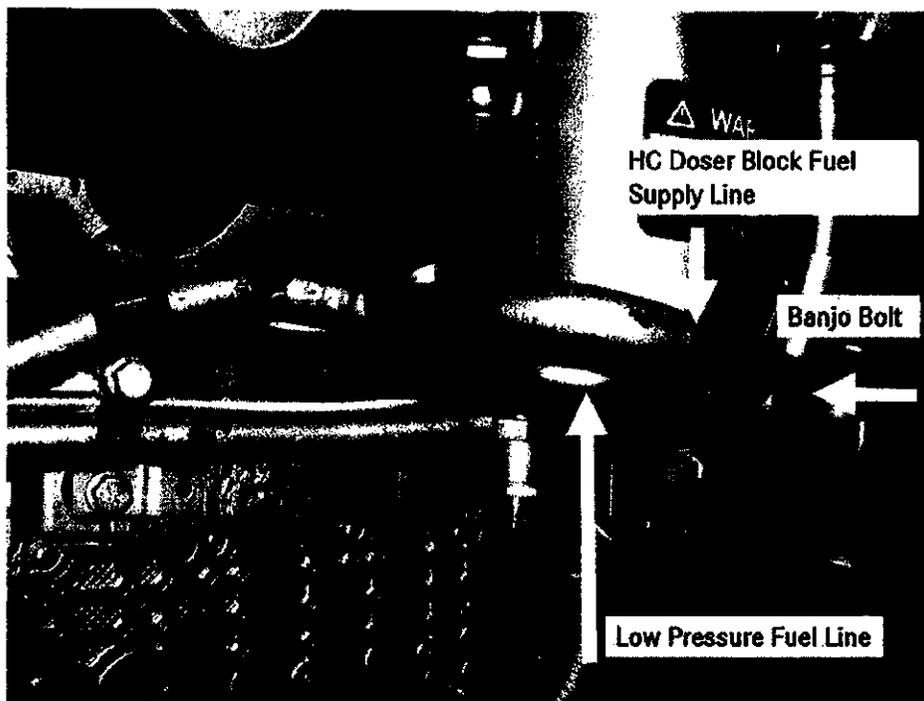


Figure 1 – Steel Low Pressure Fuel Line

3. **REFERENCE** 18SP660 in the service kits for installation instructions on the new steel low pressure fuel line and how to inspect the fuel filter housing thickness. New tool J-50161 Go/No-Go Gauge has been shipped to all DDC certified service locations for use in qualifying fuel filter housings on engines before serial number 0460888753. The gauge has been supplied and shipped at no cost. **REFERENCE** attached tool letter 09 TL-10.

Corrective Procedure - Continuation

ITEM TWO (2) PROCEDURE (Steps 1 through 14)

1. Find the main ECU harness on the left side of the engine. Reference Figure 2.

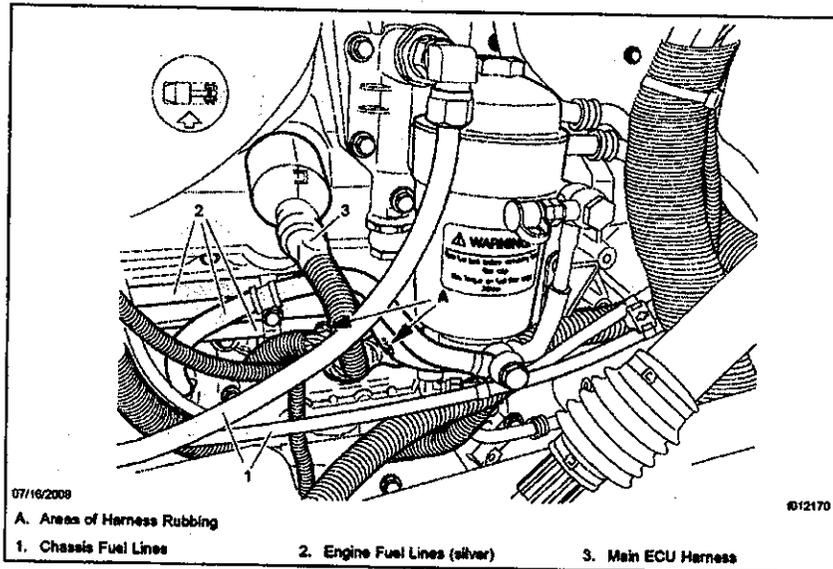


Figure 2 – Main ECU Harness On Left Side Of Engine

2. Disconnect the ECU harness from the engine.
3. If necessary, remove the left quarter fender. For instructions, see **Group 88** in the applicable vehicle service/workshop manual.
4. Remove the existing standoff bracket and cushion clamp that hold the ECU harness to the engine.
5. Remove any tie straps and extra loops of wiring as needed to gain more slack in the harness.
6. Install the new Z-bracket to the engine block where the previously removed bracket was.

7. Reroute the ECU harness, making sure there is enough clearance between it and the engine fuel lines. Using a new cushion clamp and new fasteners, secure the harness to the new Z-bracket. Reference Figure 3.

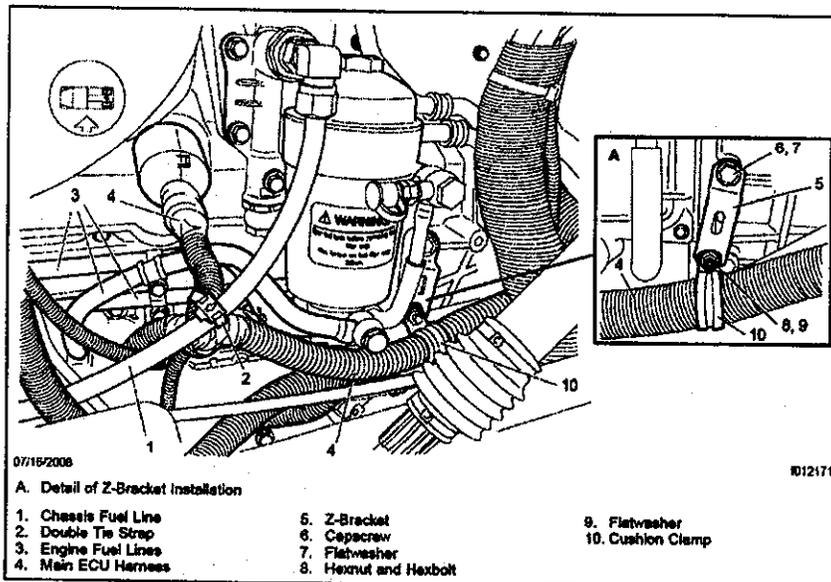


Figure 3 – Rerouted Main ECU Harness and Fuel Lines

8. Connect the engine sensor harness to the new air temperature sensor.
9. Connect the ECU harness to the engine.
10. Check the routing of the ECU harness in the engine compartment, and make sure it is not rubbing on any of the fuel lines. As needed, use double tie straps to separate the fuel line(s) from the harness.
11. Loop any extra length of harness wiring as needed, and secure with tie straps.
12. Install the quarter fender. For instructions, see **Group 88** in the applicable vehicle service/workshop manual.
13. Connect the batteries.

14. Close the hood.
15. Start the engine and verify the repairs.

Warranty Information

- A. For Fuel Filter Housing Inspection *and* Low Pressure Fuel Line Replacement use the following criteria when filing a claim:

Claim Type:	04
Modification:	09C2
Fault Type:	ZZ
Primary Failed Part:	A4600904476
Labor:	1.0 Hours
Labor Code:	R09C2A
Parts Return:	NONE

- B. For Fuel Filter Housing Inspection *and* Low Pressure Fuel Line and Fuel Filter Housing Replacement use the following criteria when filing a claim:

Claim Type:	04
Modification:	09C2
Fault Type:	ZZ
Primary Failed Part:	A4600904476
Labor:	1.5 Hours
Labor Code:	R09C2B
Parts Return:	NONE

C. For Fuel Filter Housing Inspection, Electrical Harness Re-route and Low Pressure Fuel Lines Replacement use the following criteria when filing a claim:

Claim Type:	04
Modification:	09C2
Fault Type:	ZZ
Primary Failed Part:	A4600904476
Labor:	2.4 Hours
Labor Code:	R09C2C
Parts Return:	NONE

D. For Fuel Filter Housing Inspection, Electrical Harness Re-route and Low Pressure Fuel Lines and Fuel Filter Housing Replacement and Inspection use the following criteria when filing a claim:

Claim Type:	04
Modification:	09C2
Fault Type:	ZZ
Primary Failed Part:	A4600904476
Labor:	2.9 Hours
Labor Code:	R09C2D
Parts Return:	NONE

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

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