

DAIMLER

Daimler Trucks North America
Nasser Zamani
Senior Manager
Compliance and Regulatory Affairs

February 8, 2013

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. 1
12V-576, FL-636, Sterling 360- 4M50 Engine Fuel Lines
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 vehicles potentially affected: 1,527
- (c)(8)(ii) Dealer and distributor notification: Began and ended: February 4, 2013
- (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

SAFETY RECALL BULLETIN

Subject: **Safety Recall 12C4**
Sterling 360 – EPA04 4M50 Fuel Lines

Defect Involved

Detroit Diesel Corporation (DDC) has determined that fuel lines on certain Sterling 360 vehicles equipped with EPA04 4M50 engines may crack and leak due to improper manufacturing of the fuel lines, and/or inadequate torque applied to the flare nuts.

Fuel leaking in the presence of a high heat source may develop cracks potentially resulting in leaks which may result in customer dissatisfaction.

All model year 2007 Sterling 360 vehicles manufactured from January 25, 2006 through January 22, 2007 will need to be inspected. When leaks are present, leaking fuel lines will be replaced. If individual fuel lines are not leaking the flare nut on the existing line will be torqued to 38 – 43 Nm.

There are approximately 2,026 engines affected by this Recall.

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 (From) (To)
360	4M50	2007	January 25, 2006 through January 22, 2007

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 (Sterling-Light) 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 Emission Recall 12C4 has been completed.

Freightliner, Sterling, and Western Star Trucks

- Check the base label (**Form WAR259**) to see if **Safety Recall 12C4** 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 12C4** 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 12C4**, clean a spot on the base label (**Form WAR259**), write the Safety Recall Number (**12C4**) 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 them 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

Parts required for Recall 12C4:

Note: Fuel lines kits listed below are available through Paragon only by manual release. An extremely low amount of lines are expected to found leaking. Engine serial number will be required for manual release of any ordered line kit. On release part will be shipped no charge freight.

Model	Part Name	Kit No.	PARTS		Description
			Cross Reference Only	Quantity/ Vehicle	
4M50 EPA04	Pipe, Injection, No. 1	MBF EXLT111P1C	ME228771	1	When fuel leaks from the pipe, pipe must be replaced
4M40 EPA04	Pipe, Injection, No. 2	MBF EXLT111P2C	ME228772	1	When fuel leaks from the pipe, pipe must be replaced
4M40 EPA04	Pipe, Injection, No. 3	MBF EXLT111P3C	ME228773	1	When fuel leaks from the pipe, pipe must be replaced
4M40 EPA04	Pipe, Injection, No. 4	MBF EXLT111P4C	ME228774	1	When fuel leaks from the pipe, pipe must be replaced
4M40 EPA04	Pipe, Fuel	MBF EXLT111P5C	ME228787	1	When fuel leaks from the pipe, pipe must be replaced
4M40 EPA04	Gasket, Silencer	MBF EXLT111GAE	ME223819	1	Not reusable parts (2 gaskets in each kit)

Model	Part Name	Kit No.	PARTS		Description
			No.	Quantity/ Vehicle	
Tool	Spanner (14-17)	LT111T	-	1	Prevent the inlet connector rotating together

Note: the tool listed above is not available through Paragon. The tool is expected to be available in dealer tool inventory. A limited amount of this tool will be available through the DDC Customer Support Center.

Corrective Procedure

Park the vehicle on a flat, level surface, turn off the engine and chock the wheels. **CAUTION!**
Do not remove the wheel chocks until all recall work has been completed.

Modification Procedure

(1) Remove the top engine cover. (Fig. 1)

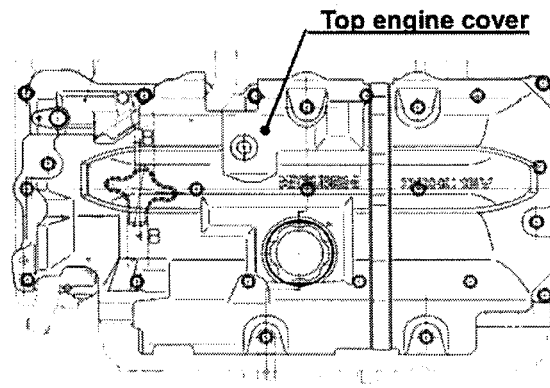


Figure 1 Top of engine

(2) Remove the intake system parts. (Fig. 2)

TD 4M50

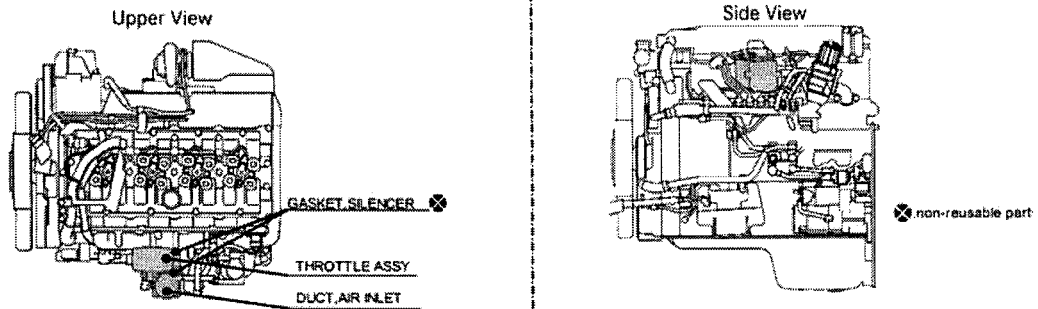


figure2-1.Remove the inlet system parts

(3) Follow the flow chart below to determine if any parts need to be replaced. (Fig. 3)

If a fuel leak is confirmed, replace only the leaking fuel pipe(s).

Caution

- When the fuel pipe is tightened with inclining, it may cause a gap between pipe and connector
- Be sure to install the pipe to the connector vertically.

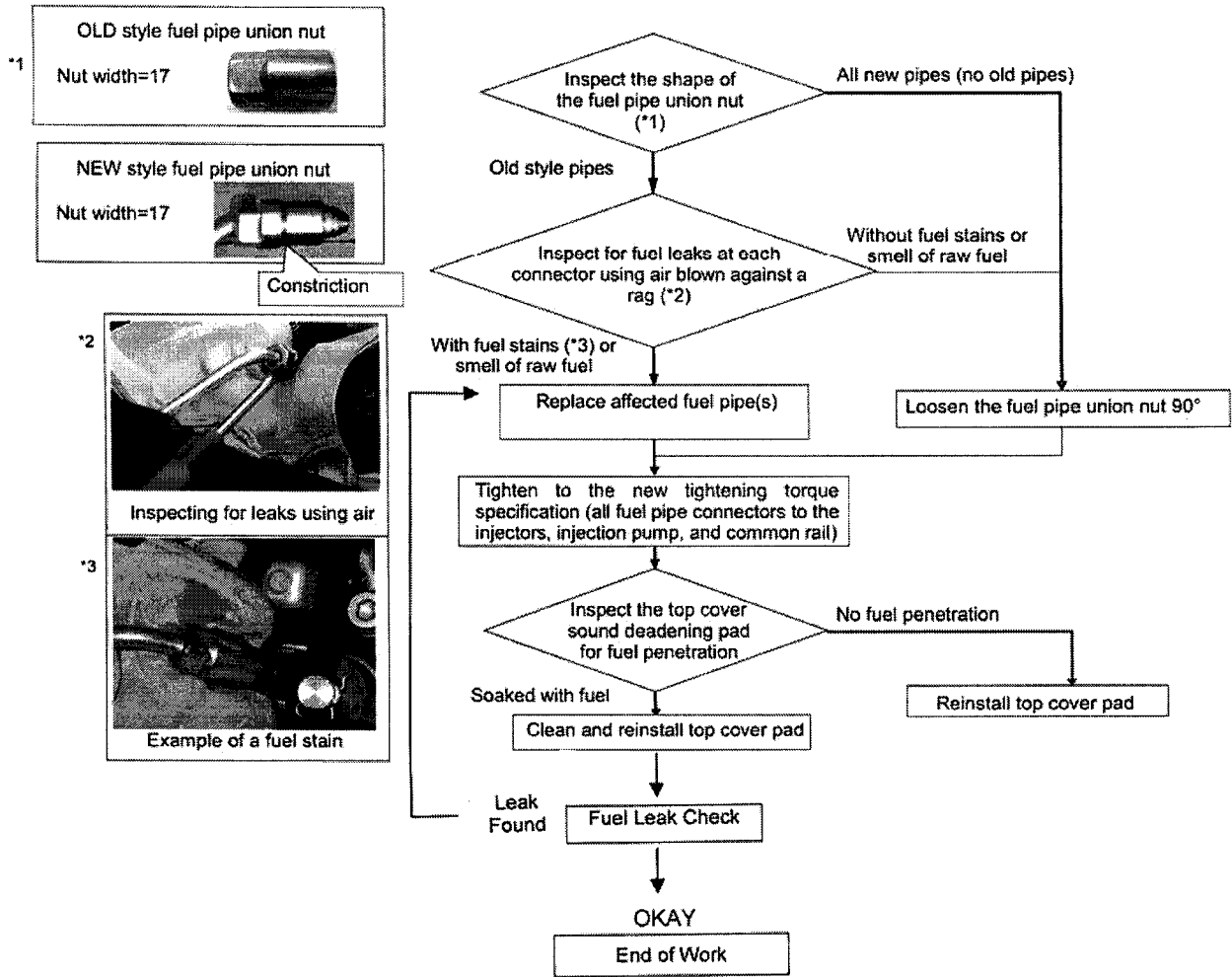


Figure 3 Repair Process Flow chart

If liquid stains the rag when air is blown at the connection, clean the connection and surrounding area, start the truck and allow it to idle for 1-2 minutes, then check for leaks again to ensure that the initial liquid stain was actually caused by a fuel leak, and not residual engine oil or other fluids.

(4) If **NO** fuel leaks are found, loosen all fuel pipe connectors 90°, wipe dry any fuel that might leak/ooze when connector is loosened then tighten the connectors to 28 - 31 ft.lbs. [38 - 43 Nm].

If a fuel leak is confirmed, replace the affected fuel pipe(s) and tighten the connector(s) to 28 - 31 ft.lbs.

[38 - 43 Nm]. Then, loosen the remaining connectors 90°, and tighten the connectors to 28 - 31 ft.lbs.

[38 - 43 Nm].

All fuel pipe connectors for the indicated 10 locations must be tightened to a torque of 28 - 31 ft.lbs. [38 - 43 Nm]. (Fig. 4)

Note: When removing and installing fuel pipes, a narrow wrench LT111T or equivalent must be used to hold the injector and fuel pump fittings in place to prevent them from turning while the fuel pipe connectors are tightened.

Tightening torque for union nuts

	New
Supply pump	28 - 31 ft.lbs. [38 - 43 Nm]
Common rail	
Injector	

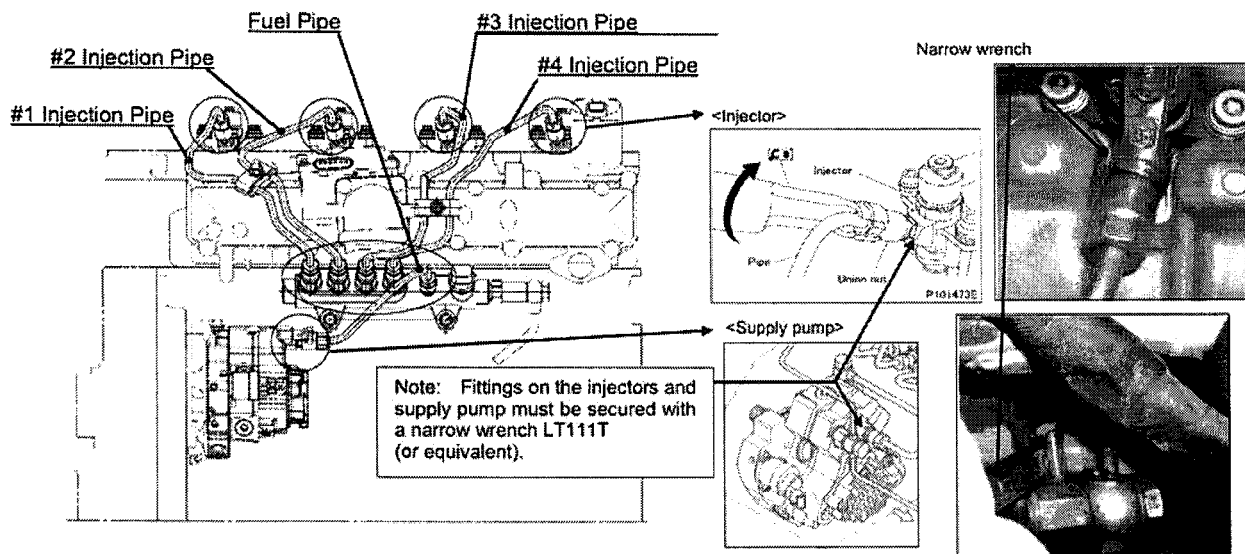


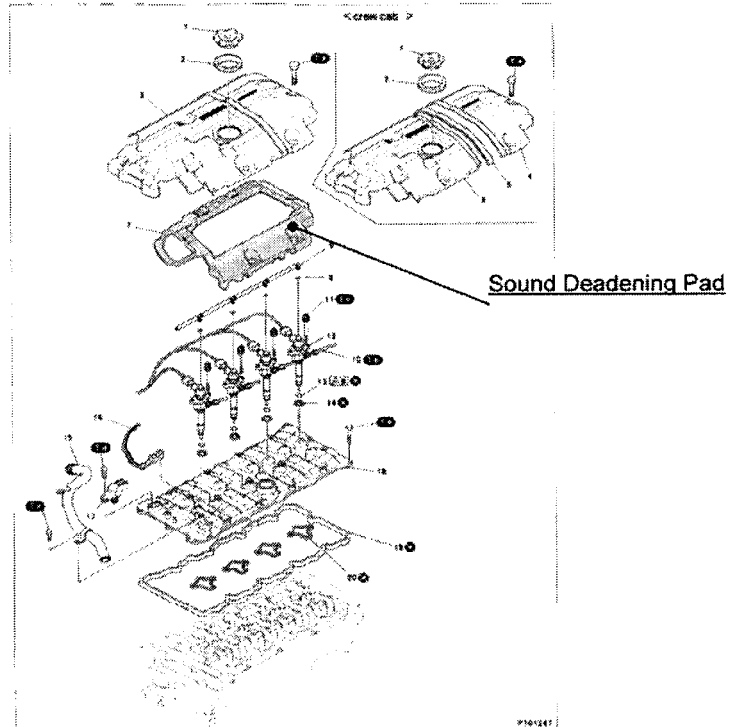
Figure 4. Locations of the fuel pipe connectors

(5) Reassemble the intake system parts.

The throttle assembly gaskets (Kit # EXLT111GAE includes both gaskets) must be replaced as they are non-reusable (Fig. 2).

(6) Reinstall the top engine cover.

If fuel has soaked the top engine cover sound deadening pad, remove and clean the pad, dry any remaining fuel from the top of the engine and reinstall the pad.



(7) Perform a Fuel Leak Check using the M.U.T. III actuator test. Refer to Section 13EA of the 2005 FE/FG Service manual for detailed information concerning this actuator test. After performing the actuator test, check each connector once more for fuel leaks.

B9	Fuel Leak Check	Rail pressure increased on constant slope (Can be executed with vehicle speed of zero and transmission in neutral and diagnosis switch open.)	Check that no fuel leaks from fuel system.
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Warranty Information

Claim Type:	04
Modification:	12C4
Fault Type:	ZZ
Primary Failed Part:	MBF EXLT111GAE
Labor Code:	022900 (General Fuel System)

Parts	Parts cost will be entered onto the claim as a single net item P entry. Amount allowed will be equal to the cost of the parts necessary adding a 25% part mark up. The actual part numbers used in the repair are to be listed in the complaint, cause and correction area of the claim
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Labor Time	Single Cab	Inspect and re-torque fuel pipes only.	.9 Hour
Labor Time	Single Cab	Inspect and re-torque fuel pipes replacing one pipe only.	1.0 Hour
Labor Time	Single Cab	Inspect and re-torque fuel pipes replacing two pipes only.	1.1 Hour
Labor Time	Crew Cab	Inspect and re-torque fuel pipes only.	1.4 Hour
Labor Time	Crew Cab	Inspect and re-torque fuel pipes replacing one pipe only.	1.5 Hour
Labor Time	Crew Cab	Inspect and re-torque fuel pipes replacing two pipes only.	1.6 Hour

Note: Use time associated with only one of the lines above based on your individual repair and vehicle

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

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

Daimler Trucks North America LLC

Daimler Trucks North America LLC

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

**Subject: Safety Recall 12C4
Sterling 360 – EPA04 4M50 Fuel Lines**

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

Daimler Trucks has decided that a defect which relates to motor vehicle safety exists in all model year 2007 Sterling 360 vehicles manufactured from January 25, 2006 through January 22, 2007 and equipped with EPA04 4M50 engines.

Detroit Diesel Corporation has determined that fuel lines on certain Sterling 360 vehicles equipped with EPA04 4M50 engines may crack and leak due to improper manufacturing of the fuel lines, and/or inadequate torque applied to the flare nuts. Fuel leaking in the presence of a high heat source could lead to fire.

Please contact a Detroit Diesel Authorized Repair Facility to arrange to have the Recall performed and to ensure that parts are available. To locate an authorized facility, search online at www.detroitdiesel.com/locations/default.aspx. The Recall will take approximately 1.0 hour(s) and will be performed at no charge to you. Also, owners may be liable for any progressive damage that results from failure to complete this recall within a reasonable time after receiving this notification.

IMPORTANT: Upon completion of Safety Recall 12C4 check the base label which is located on the passenger side door, approximately 12 inches (30 cm) below the door latch, to ensure that a label has been affixed to your vehicle referencing **12C4**.

If you do not own the unit that corresponds to the identification number(s) which appears on the Recall Notification, please return the notification with any information you can furnish that will assist us in locating the present owner. If you have leased this vehicle, Federal law requires that you forward this notice to the lessee within ten days. If you are a subsequent stage manufacturer, Federal law requires that you forward this notice to your distributors and retail outlets within five working days. If you have paid to have this recall condition corrected prior to this notice, you may be eligible to receive reimbursement for the cost of obtaining a pre-notification remedy of the problem associated with this recall. For reimbursement consideration please submit a copy of the repair order and proof of payment to an Authorized Detroit Diesel Repair Facility. The repair facility will submit a warranty claim for review and if approved payment will be made by that repair facility.

If you have questions about this Recall, please contact the **Detroit Diesel Customer Support Center**, 13400 Outer Drive West, Detroit, MI 48239, or call **(800) 445-1980** between **8:00 a.m. to 7:00 p.m. Monday through Friday and 9:00 a.m. to 3:00 p.m. on Saturday Eastern Standard Time**. If your dealer or an authorized Detroit Diesel service center fails or is unable to remedy this defect without charge and within a reasonable time you may submit a written complaint to the Administrator, National Highway Traffic Safety Administration, 1200 New Jersey Avenue, SE, Washington, DC 20590, or call 888 327-4236 (TTY: 800-424-9153), or go to <http://www.safercar.gov> if remedy difficulties exist. For **Canadian** customers, please contact our customer service or for additional info about the recall, you can contact **Transport Canada at (800) 333-0510**.

We regret any inconvenience this action may cause but feel certain you understand our interest in motor vehicle safety.