



Recall Information Bulletin

No: C1006110 **Issued:** 1/7/2013

NHTSA No: 12V-545

Transport Canada No: 2012-392

Re: 4M50 Fuel Pipes

Group: 13 **Models:** FE/FG

UPDATED
1/18/2013

SUBJECT:

Safety Recall C1006110 – 4M50 Fuel Pipes

MODELS:

FE83D, FE84D, FE85D, FG84D

VEHICLES INVOLVED:

Certain 2005 and 2007 model year FE83D, FE84D, FE85D and FG84D trucks produced from May 27, 2004 through May 14, 2007.

A list of vehicles your Dealership has sold that require this Recall can be found on the Dealer's "Open Campaigns" list supplied by MFTA via Fusonet. Some individual vehicles described above may not need the Recall. Always check the "VIN Inquiry" tab under "Service" or "Warranty" on Fusonet to verify that the VIN requires this Safety Recall.

Important note: It is a violation of Federal law for a dealer to deliver a new or used motor vehicle covered by this Recall Information Bulletin, under a sale or lease, until the Safety Recall has been completed.

OWNER NOTIFICATION:

Owners of affected vehicles will be notified by mail. A copy of the customer notification letter can be found on Fusonet.

CONDITION:

Mitsubishi Fuso Truck of America, Inc. has decided that a defect which relates to motor vehicle safety exists in the fuel pipes. On certain affected vehicles, one or more fuel pipe may crack due to an improper pipe manufacturing process. In addition, the fuel pipe flare nuts may have been insufficiently tightened. Repeated normal high fuel injection pressure application may crack the pipe, causing a fuel leak. In the worst case, the leaked fuel could come in contact with high temperature components and catch fire.

MODIFICATION:

The fuel pipes will be inspected and replaced if evidence of improper manufacture exists. Properly manufactured pipes will be tightened to the correct specification. Replacement fuel pipes must be ordered using the Recall Parts Order Form. The Throttle Body Gasket kit **EXLT111GAE** used on every affected vehicle is available through normal parts channels.

Please note that MFTBC Japan's investigation determined a failure rate of less than one percent. Within that failure rate, 65% of failures occurred within the first 60,000 miles (100,000 km) and an additional 30% failed between 60,000 and 125,000 miles (101,000 to 200,000 km). Further, 85% of the failures occurred within the first 48 months of operation. MFTA's sales records indicate that 95% of affected Fuso trucks in operation in North American have been in service longer than 48 months, and many should have already exceeded the mileage range in which most failures should have occurred. Therefore the number of defective fuel pipes is expected to be extremely low.

IMPORTANT! Since failures related to cracked fuel pipes in this market are expected to be extremely low, a limited number of replacement parts have been prepared by MFTBC. If you encounter a failure, MFTA Parts will ship the fuel pipe(s) via next-day air at no cost to the dealer. Fuel pipes must be ordered using the Recall Parts Order Form found on Fusonet. MFTA Service will seek approval from the Product Support Manager prior to processing the order.

RECALL PARTS RETENTION:

IMPORTANT! All parts that have been removed and replaced must be properly identified returned to MFTA Warranty after filing the Warranty Service Claim (WSC). The WSC will be placed on hold until failed parts have been returned and inspected.

PARTS LIST:

Part Number	Description	Qty	Notes
EXLT111GAE	Throttle Body Gaskets	1	2 gaskets in kit – Mandatory replacement items
EXLT111P1C	No. 1 Fuel Injection Pipe	1	Must be ordered using the Recall Parts Order Form
EXLT111P2C	No. 2 Fuel Injection Pipe	1	Must be ordered using the Recall Parts Order Form
EXLT111P3C	No. 3 Fuel Injection Pipe	1	Must be ordered using the Recall Parts Order Form
EXLT111P4C	No. 4 Fuel Injection Pipe	1	Must be ordered using the Recall Parts Order Form
EXLT111P5C	Supply Pump to Fuel Rail Pipe	1	Must be ordered using the Recall Parts Order Form

RECALL CLAIM SUBMITTAL:

Claim labor via Fusonet using the Recall Claim Entry screen. Enter all requested information, including the Campaign Number. The system will apply the labor allowance and parts pricing adjustment shown.

Campaign Reimbursement					
Campaign Number	Models	Allowances		Labor Description	Part Number
C1006110	FE83D FE84D FE85D FG84D	Labor Time	0.9 hour	Inspect and retighten fuel pipes	EXLT111GAE
		Parts Pricing	US\$9.58		
C1006112	FE83D FE84D FE85D FG84D	Labor Time	1.0 hour	Inspect and retighten fuel pipes and replace one fuel pipe	EXLT111GAE
		Parts Pricing	US\$9.58		
C1006114	FE83D FE84D FE85D FG84D	Labor Time	1.1 hours	Inspect and retighten fuel pipes and replace two fuel pipes	EXLT111GAE
		Parts Pricing	US\$9.58		
C1006140	FE84D Crew Cab	Labor Time	1.4 hours	Inspect and retighten fuel pipes	EXLT111GAE
		Parts Pricing	US\$9.58		
C1006142	FE84D Crew Cab	Labor Time	1.5 hours	Inspect and retighten fuel pipes and replace one fuel pipe	EXLT111GAE
		Parts Pricing	US\$9.58		
C1006144	FE84D Crew Cab	Labor Time	1.6 hours	Inspect and retighten fuel pipes and replace two fuel pipes	EXLT111GAE
		Parts Pricing	US\$9.58		

WARRANTY CLAIM SUBMITTAL FOR FUEL PIPE REPLACEMENT:

Submit a regular Warranty Service Claim A (WSC) via Fusonet to claim parts usage reimbursement for any fuel pipes replaced. Enter all requested header information, including the information listed below.

Warranty Service Claim Header Entry	
Claim Type	X
Failed Labor Operation Number	C1006190
A Code	99
B Code	99
Failed Part Number	NPN

Parts Entry and Failure Work Description	
Parts Entry	Enter fuel pipe(s) used, from the Parts List above.
Failure Work Description	"Replace leaking fuel pipe(s)."

REPAIR PROCEDURE:

1. 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 modification work has been completed.
2. Perform the Campaign using the attached modification procedure.
Note: A narrow wrench for securing the injector while tightening the fuel pipe will be provided by MFTA at no charge.

Modification Procedure – Updated 1/18/2013

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

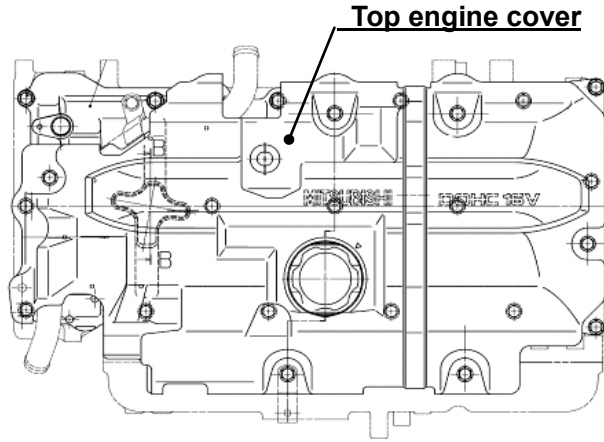


Figure 1 Top of engine

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

TD 4M50

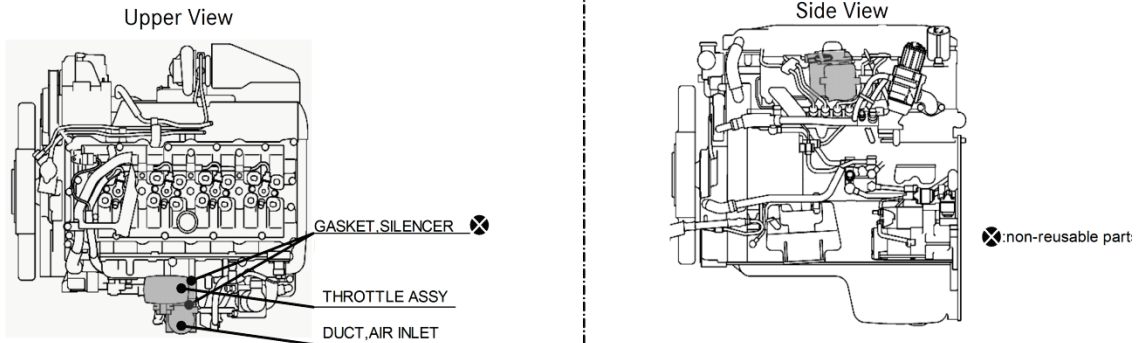


figure2-1.Remove the inlet system parts

(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).

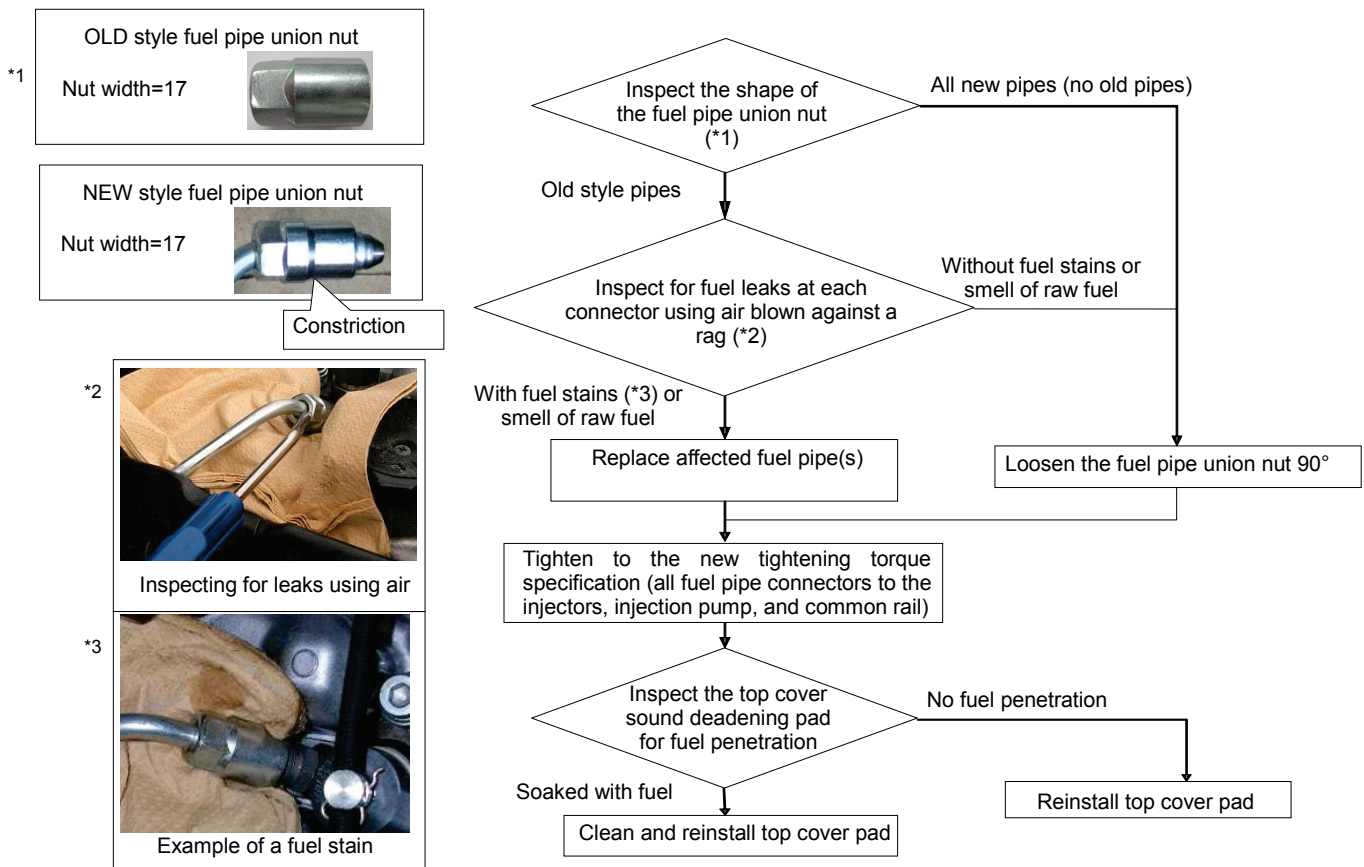


Figure 3 Repair Process Flow chart

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°, 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° (¼ turn only!), 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 supplied by MFTA (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	

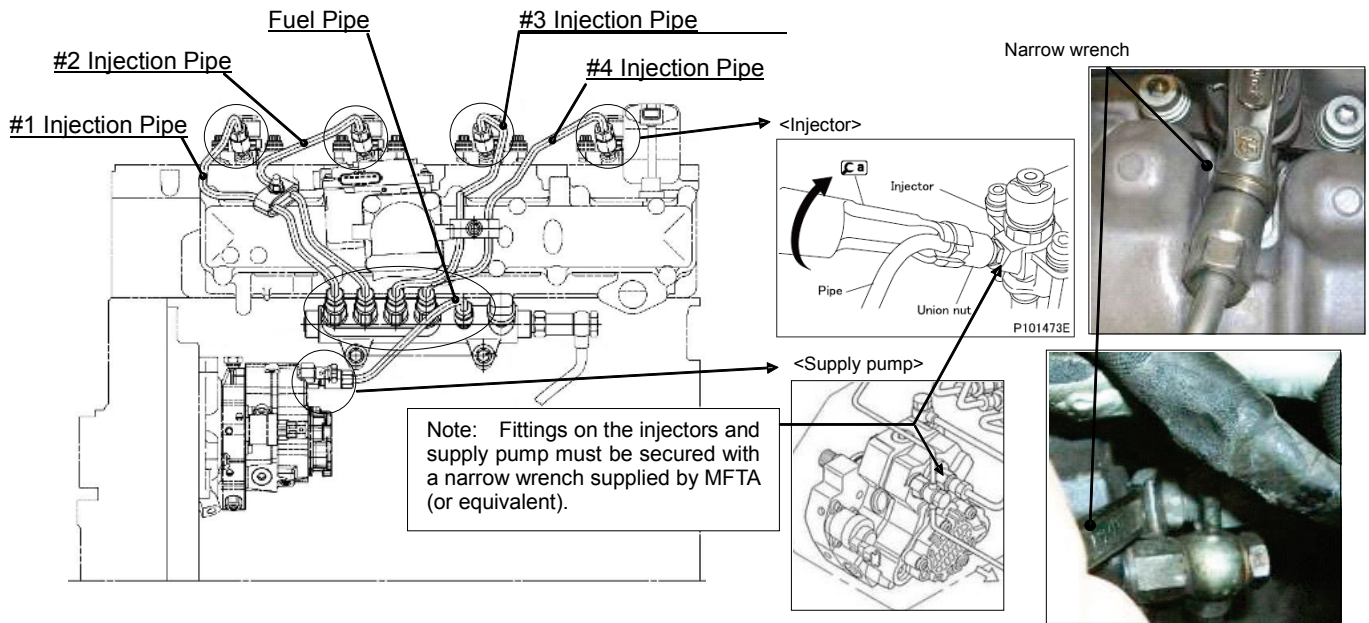


Figure 4. Locations of the fuel pipe connectors

(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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