

CAMPAIGN BULLETIN

Subject: **Campaign 07C-2**
Sterling 360 EGR Crossover Pipe

Defect Involved

Detroit Diesel has determined that on affected Sterling 360 engines the the EGR crossover pipe may develop cracks and release uncatalyzed exhaust gases in to the atmosphere.

Replacing the EGR crossover pipe with an improved component will result in reduced thermal strain and bring them into compliance with U.S. EPA emissions regulations and prevent customer dissatisfaction.

NOTE:	Maintenance Schedule for the EGR Pipe is now <u>replace</u> every 3 years/180,000 miles .
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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 Year	Inclusive Mfg. Date (From) (To)	Other Descriptive Information
4M50	2007	01-11-2006 to 01-19-2006	Sterling 360 – COE40, 45
4M50	2007	01-11-2006 to 01-26-2006	Sterling 360 – COE50

Owner Notification

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

Sterling Dealer Modification Responsibility

Detroit Diesel Repair Facilities are to service all engines subject to Recall 07C-2. Recall 07C-2 is to be performed at no charge to owners on all affected engines under the engine warranty or under the provisions of Recall 07C-2.

Upon completion of Recall 07C-2, or if there is knowledge to the fact that Recall 07C-2 has been performed on an engine that is listed on the Serial Number List provided by DDC, please apply a “**CAMPAIGN 07C-2 COMPLETE**” label on the valve cover.

Instructions for downloading and printing “**Campaign 07C-2 Completed**” labels reside on both the Detroit Diesel Extranet and DDCSN Website.

Parts Information

NOTE: Parts are available from Freightliner PDC’s through Paragon

Part Description	Part Number
EGR Crossover Pipe Kit	MBF EX 19

Procedure	Item	Part Name	Part Number	Qty
EGR Crossover Pipe	1	Gasket EGR pipe	MBF ME221927	1
	2	Gasket EGR (use 2, discard 1)	MBF ME222864	3
	3	Gasket EGR valve B	MBF ME221576	1
	4	Pipe, EGR, A	MBF ME225982	1
	5	Nut, flange (exh manifold to EGR pipe)	MBF ME201039	3
	6	Bolt, flange (8x40mm) (EGR pipe to cooler)	MBF MF140233	1
	7	Bolt, flange (8x50mm) (EGR pipe to cooler)	MBF MF140235	1

Corrective Procedure

Reference the attached **360 – EGR Crossover Pipe Recall** procedure (**Attachment I**). Prior to performing the campaign, check the engine valve cover for a completion sticker.

Warranty Information

Claim Type:	04
Modification:	07C2
Failure Code:	098
Complaint Code:	PD
Primary Failed Part:	MBF ME224369
Labor:	1.0 Hour
Labor Operation Code:	059900
Parts Return:	None

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

DETROIT DIESEL
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Detroit, Michigan 48239-4001

360 – EGR Crossover Pipe Recall

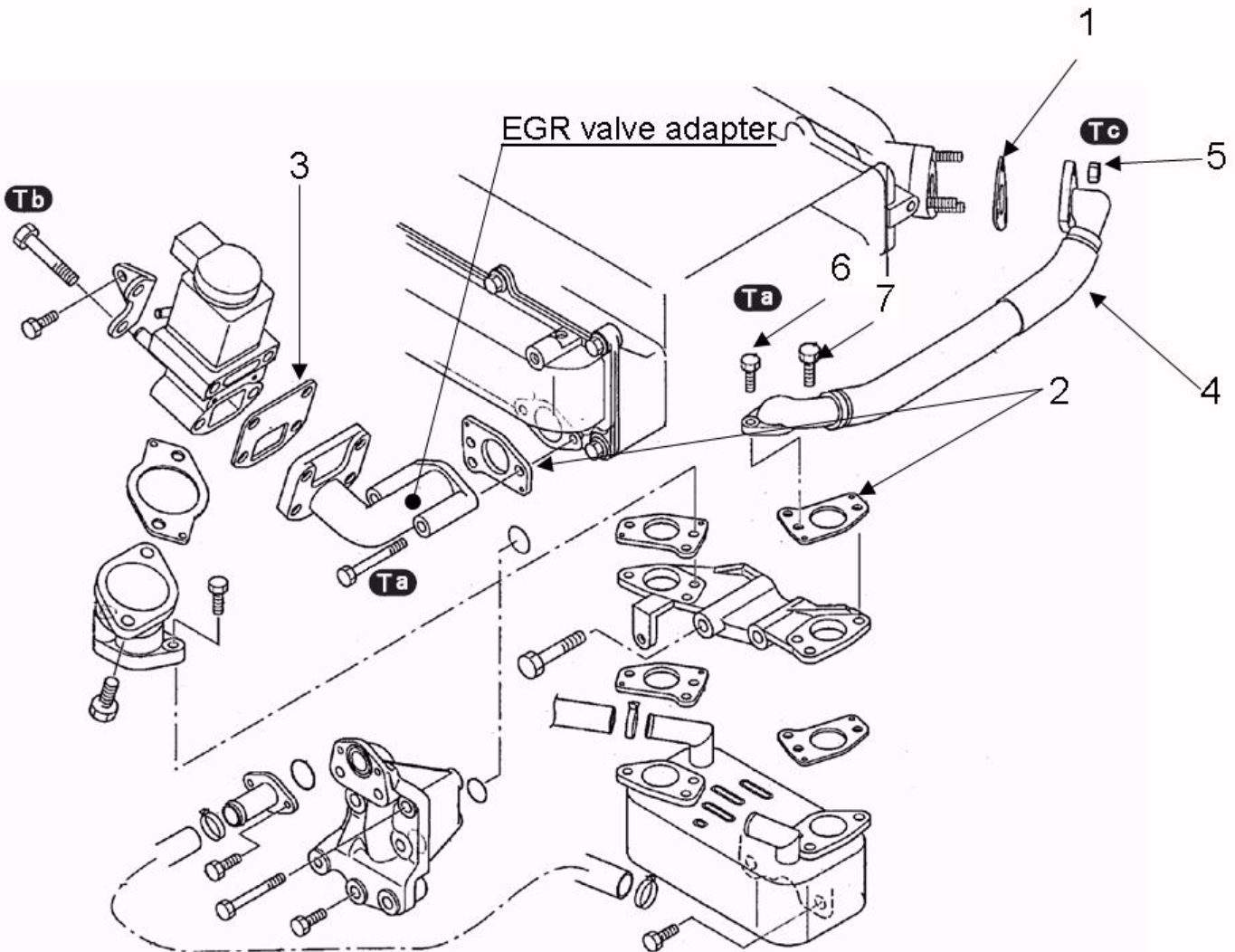
Procedure

1. Park, set parking brake, shutoff engine, chock wheels, tilt cab, disconnect batteries. Engine must be cool to perform this work. Check the engine valve cover for completion sticker.

2. EGR pipe replacement:
 - a. Remove EGR valve adapter.
 - b. Remove EGR pipe.
 - c. Install new EGR pipe with new gaskets, bolts, and nuts. Torque fasteners.
 - d. Install EGR valve adapter with new gaskets. Torque fasteners.

3. Put a completion sticker on the engine valve cover.

Figure 1



Callout	Item	Torque
1	Gasket EGR pipe	-
2	Gasket EGR (use 2, discard 1)	-
3	Gasket EGR valve B	-
4	Pipe, EGR, A	-
5	Nut, flange (exh manifold to EGR pipe)	-
6	Bolt, flange (8x40mm) (EGR pipe to cooler)	-
7	Bolt, flange (8x50mm) (EGR pipe to cooler)	-
Ta	Torque to	17 ft.lbs
Tb	Torque to	33 ft.lbs
Tc	Torque to	15 ft.lbs