

DAIMLER

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

April 26, 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. 4
12V-074, FL-622, HDEP EPA07/EPA10 High Pressure Fuel Line, Pump to Rail
Revision-2, Bulletin
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: 95,691
- (c)(8)(ii) Dealer and distributor notification: Began and ended: April 24, 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

April 2013
REVISED NOTICE

SAFETY RECALL BULLETIN

Subject: **Safety Recall 12C2 - Rev2**
EPA07/10 DD Platform High Pressure Fuel Feed Lines

Defect Involved

Detroit Diesel Corporation (DDC) has determined that some certified EPA07/10 DD platform engines will require inspection and *possible* replacement of the two high pressure fuel feed lines and supporting hardware from the high pressure fuel pump to the fuel rail.

This will prevent possible fuel leaks that may result in customer dissatisfaction.

Improved high pressure fuel feed line p-clip bolt retention became effective with engines manufactured after approximately February 1, 2012. Any engine manufactured before February 1, 2012, will need to have their two high pressure fuel feed lines and attaching hardware inspected.

There are approximately 111,320 engines affected by this Campaign.

Safety Recall Bulletin 12C2-Rev2
Page Two

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	Descriptive Information
DD13	D471901 D471903 D471910 D471911 D471913 D471914 D471915 D471917 D471920	2008 2009 2010 2011 2012	May, 2008 to February 1, 2012	All applications
DD15	D472900 D472901 D472902 D472903 D472904 D472907	2006 2007 2008 2009 2010 2011 2012	September, 2006 to February 1, 2012	All applications
DD16	D473901 D473902	2009 2010 2011 2012	June, 2009 to February 1, 2012	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.

Safety Recall Bulletin 12C2-Rev2

Page Three

Please use the appropriate steps, noted below, for indicating that Safety Recall 12C2 has been completed.

Freightliner, Sterling, and Western Star Trucks

- Check the base label (**Form WAR259**) to see if **Safety Recall 12C2** 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 12C2** 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 12C2**, clean a spot on the base label (**Form WAR259**), write the Safety Recall Number (**12C2**) 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 **RR Donnelly** by going to **www.DDCSN.com** and clicking on Literature / Ordering Literature.
2. You can also fax in your order to **(800) 773-1430 – ATTN: Jacqueline; or**
3. Contact **RR Donnelly** directly at **(800) 280-4520**.

Parts Information

There are no parts required for this Recall.

Corrective Procedure

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

NOTICE

If "12C2" is shown on a base label (Form WAR259) on the passenger-side door **OR** "12C2" is labeled on the Fuel Rail under the fuel feed line fittings (see Figure 6), no further work is necessary since the Recall has already been completed.

2. Torque only the **TOP** three Fuel Rail Clamp bolts to 10N·m (88 in·lb). If **ANY** Fuel Rail Clamp bolts are missing, replace with P/N: A0009905707 and torque to 10 N·m (88 in·lb).

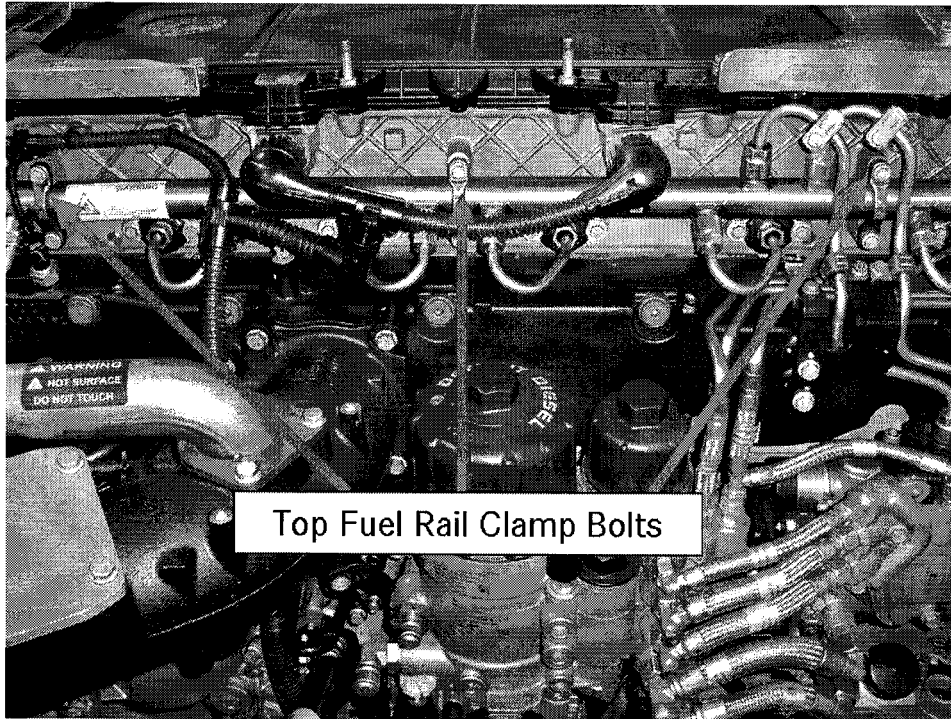
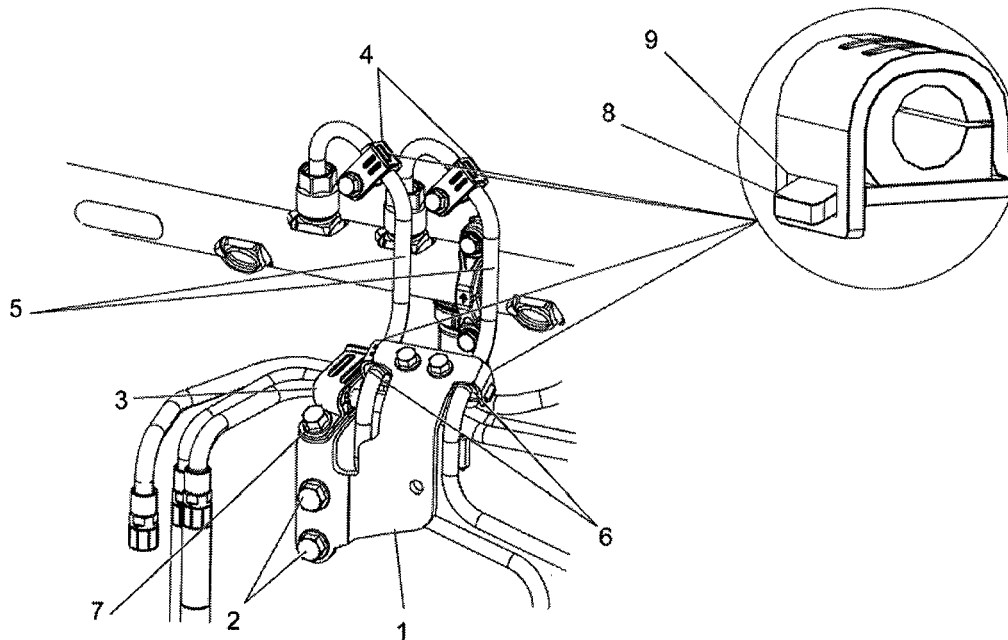


Figure 1 – Top Fuel Rail Clamp Bolts

3. Perform a **VISUAL** inspection to check for missing parts or evidence of fuel leaks. Inspect the High Pressure Fuel Feed Line Mounting Bracket and its attaching bolts, the two P-Clips for the High Pressure Fuel Feed Lines, the two High Pressure Fuel Feed Line Vibration Dampers, and the two High Pressure Fuel Feed Lines. Verify the Lower P-Clip/Vibration Damper Plate is inserted into the P-Clip/Vibration Damper Window. Do not attempt to loosen, tighten or otherwise disturb any of the parts at this time. See Figures 2 and 3.

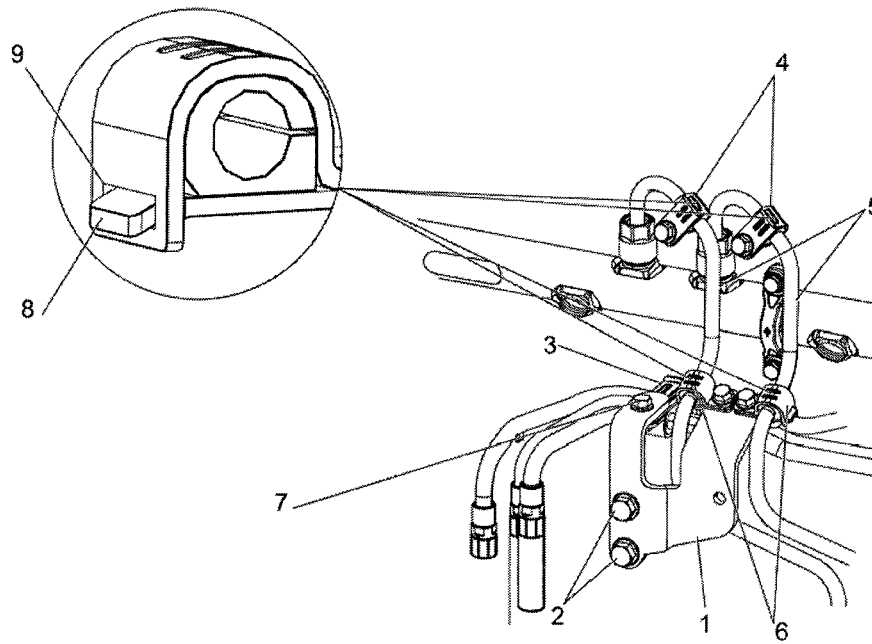


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|--|--|
| 1. Mounting Bracket | 5. High Pressure Fuel Feed Line |
| 2. Mounting Bracket Bolts | 6. P-Clips |
| 3. Return line P-Clip (AMP, PLV & Needle Return) | 7. Return Line P-Clip Bolt |
| 4. Vibration Dampers | 8. Lower P-Clip/Vibration Damper Plate |
| | 9. P-Clip/Vibration Damper Window |

Figure 2 – DD15/16 Engines Before Engine Serial Number 472901S0012796



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- 1. Mounting Bracket
- 2. Mounting Bracket Bolts
- 3. Return line P-Clip (AMP, PLV & Needle Return)
- 4. Vibration Dampers

- 5. High Pressure Fuel Feed Line
- 6. P-Clips
- 7. Return Line P-Clip Bolt
- 8. Lower P-Clip/Vibration Damper Plate
- 9. P-Clip/Vibration Damper Window

Figure 3 – DD15/16 Engines after Engine Serial Number 472901S0012796 and all DD13 Engines

4. Visual inspection results:
 - a. If the Return Line P-clip bolt (7) is missing, replace with bolt P/N: N910105006023.
 - b. If the Return Line P-clip (3) itself is missing, replace with:
 - For DD13, replace with P/N: A4720780341.
 - For DD15/16 engines built before serial number 472901S0012796, replace with **P/N: A4720780041**.
 - For DD15/16 engines built after serial number 472901S0012796, replace with **P/N: A4720780341**.
 - c. If any of the bolts holding the High Pressure Fuel Feed Line Vibration Dampers (4), High Pressure Fuel Feed Line P-clips (6), or High Pressure Fuel Feed Line Mounting Bracket (2) are missing or damaged, proceed to step 11.
 - d. If any part of the High Pressure Fuel Feed Line Vibration Dampers (4), High Pressure Fuel Feed Line P-clips (6), or Lower P-clip/Vibration Damper Plate (8) are missing or damaged, proceed to step 11.
 - e. If the Lower P-clip/Vibration Damper Plate (8) is not inserted in the P-clip Window (9), proceed to step 11.
 - f. If no parts are missing or damaged, and no evidence of fuel leaks are observed, proceed to step 5.
5. Begin a **PHYSICAL** inspection by doing the following: See Figure 4.
 - a. Using a paint pen, scribe a line across the two Vibration Damper bolts to the middle of the Vibration Damper.
 - b. Using a paint pen, scribe a line across the two bolts holding the two High Pressure Fuel Feed Line P-Clips to the Mounting Bracket.

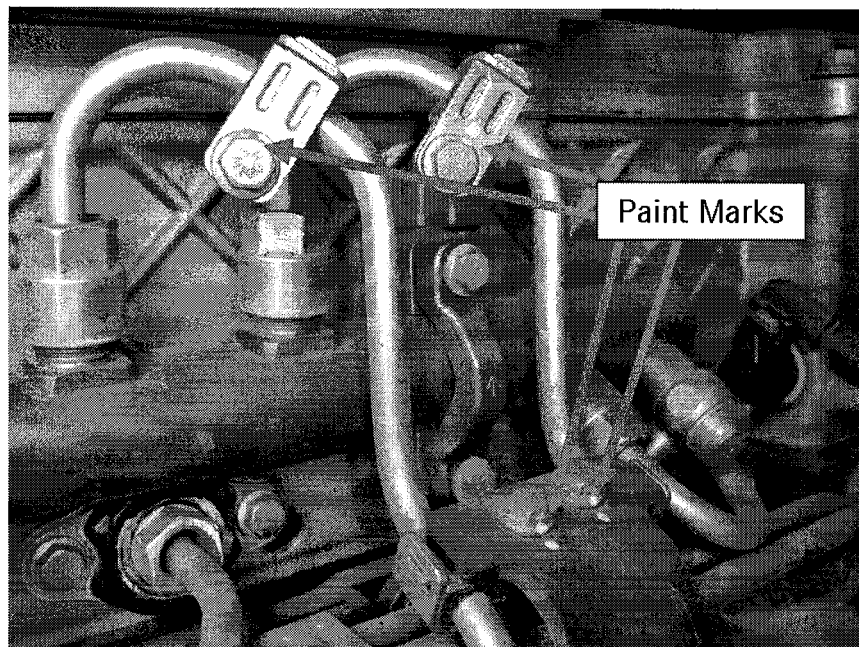


Figure 4 – Paint Marks on Vibration Damper Bolts and High Pressure Fuel Feed Line P-Clip Bolts

6. Torque all four bolts on the two Vibration Dampers and the two High Pressure Fuel Feed Line P-Clips to 12N·m (106 in·lb).
7. Inspect the scribe lines on the two Vibration Dampers and the two High Pressure Fuel Feed Line P-Clips to make sure the scribe lines have not moved. If any of the scribe lines are no longer inline, proceed to step 11.
8. Using a paint pen, scribe a line from the middle of the two Mounting Bracket bolts to the Mounting Bracket. See Figure 5.

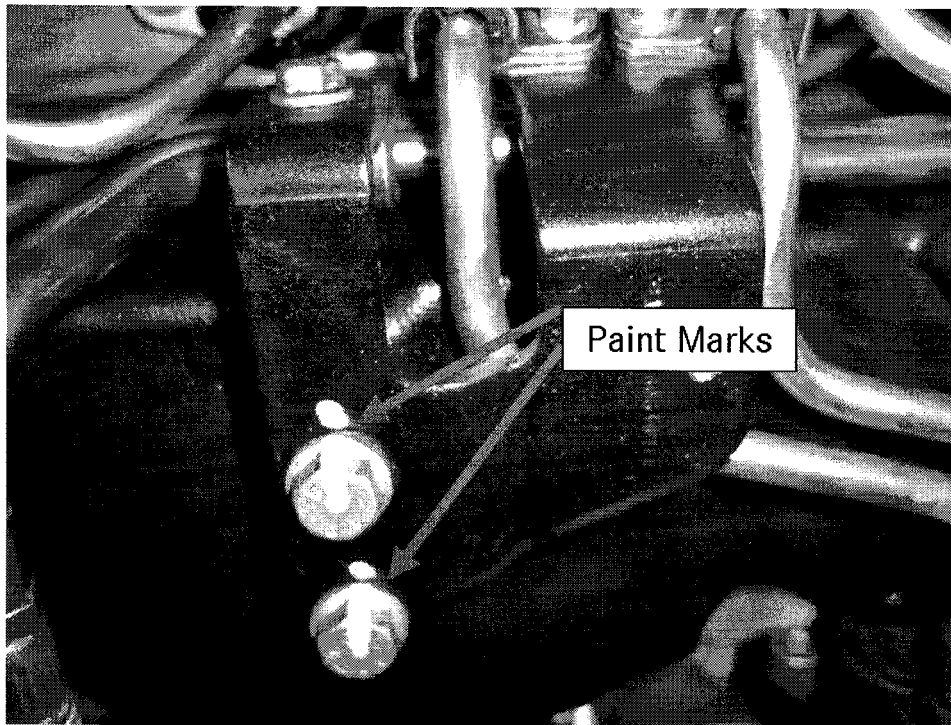


Figure 5 – Paint Marks on Mounting Bracket Bolts

9. Torque both Mounting Bracket bolts to 25N·m (18 ft·lb).
10. Inspect the scribe lines on the two Mounting Bracket bolts and Mounting Bracket.
 - a. If any of the scribe lines are no longer inline, proceed to step 11.
 - b. If the scribe lines are still inline, proceed to step 12.

NOTICE:
Special tool J-48770 will be required to service the High Pressure Fuel Feed Lines.

Safety Recall Bulletin 12C2-Rev2

Page Nine

11. If you were sent here from step 4, step 7, or step 10, **DO NOT** attempt to drive the vehicle. Replace the two High Pressure Fuel Feed Lines and attaching hardware using one of the following service kits.
 - a. For DD15/16 engines, order service kit P/N: A4720707032 and follow 18SP685 instructions included in the kit.
 - b. For DD13 engines, order service kit P/N: A4720707132 and follow 18SP688 instructions included in the kit.
12. Using a paint pen, write the campaign number "12C2" on the Fuel Rail under the High Pressure Fuel Feed Line fittings. See Figure 6.

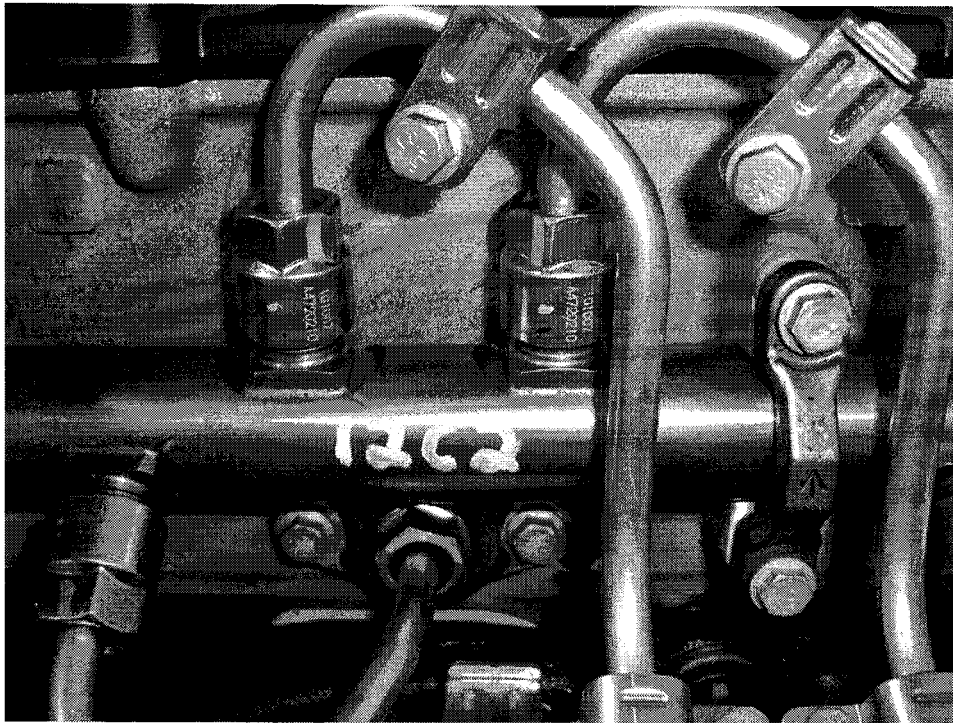


Figure 6 – 12C2 Identification on Fuel Rail.

13. Write the Safety Recall Number (12C2) on a blank, red completion sticker (**Form WAR260**).
14. Open the passenger-side door. About 12 inches (30 cm) below the door latch there will be a base label (**Form WAR259**). If the base label is not located on the passenger-side door, affix a new base label (**Form WAR259**) 12 inches or 30 cm below the door latch.
15. Clean a spot on the base label (**Form WAR259**) and attach the red completion sticker (**Form WAR260**) on to the clean base label (**Form WAR259**).

Warranty Information

Note:	Choose <u>Only One</u> Operation That Applies To Your Complete Recall Involvement Of The Vehicle.
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Claim Type:	04
Modification:	12C2
Fault Type:	ZZ
Primary Failed Part:	N910105006026

Labor Code:	R12C2A Inspection Only (All Models)
Labor Time:	0.3 Hours (Service Level 1,2&3) 0.5 Hours (Service Level 4)

Labor Code:	R12C2AB Inspection And Fuel Line Replacement All Model Vehicles Except Cascadia 113 Only, M2, Sterling And Western Star Model Trucks
Labor Time:	1.4 Hour (All Service Levels)

Labor Code:	R12C2AC Inspection And Fuel Line Replacement Cascadia 113, M2, Sterling and Western Star Model Trucks.
Labor Time:	2.1 Hour (Service Level 1,2,&3) 2.3 Hour (Service level 4)

Labor Code:	R12C2D Use This Operation If The Inspection Of the Fuel Lines Was Performed By An Authorized Fleet Customer And The Vehicle Was Delivered To You For Fuel Line Replacement. All Model Vehicles Except Cascadia 113 Only, M2, Sterling and Western Star Model Trucks.
Labor Time:	1.1 Hour (All Service Levels)

Labor Code:	R12C2E Use This Operation If The Inspection Of the Fuel Lines Was Performed By An Authorized Fleet Customer And The Vehicle Was Delivered To You For Fuel Line Replacement. Cascadia 113, M2, Sterling And Western Star Model Trucks
Labor Time:	1.8 Hour (Service Level 1,2,&3) 2.0 Hour (Service Level 4)

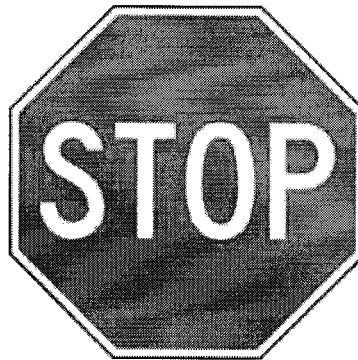
Parts Return:	NONE
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Should you have any additional questions, please contact Detroit Diesel.



DETROIT™
DEMAND PERFORMANCE™

**18SP685Rev2 – EPA07/10 DD15/16 High
Pressure Fuel Feed Lines, Mounting Bracket,
Vibration Dampers and P-clips Service Kit
(P/N: A4720707032)**



⚠ WARNING:

PERSONAL INJURY

All parts provided within this kit must be installed in the proper locations, and **MUST** be fastened to the specified torque. Failure to properly torque hardware/components will result in failure of a high pressure fuel feed line, resulting in possible fire and/or personal injury.

⚠ WARNING:

PERSONAL INJURY

All parts provided with this kit are single-use items and cannot be reused. Reuse of hardware/component items may result in the failure of a high pressure fuel line, resulting in possible fire and/or personal injury.

NOTICE:

Failure to follow these instructions will result in catastrophic damage to the engine and will not be covered under warranty.

KIT DESCRIPTION

This service kit includes all necessary parts to replace the high pressure fuel feed lines, mounting bracket and vibration dampers in the event one of these parts are loosened, removed or missing from the engine.

KIT CONTENTS

Service kit P/N: A4720707032 contains all of the necessary parts to replace the high pressure fuel feed lines on EPA07/10 DD15/16 engines.

Part No.	Qty.	Description
A4720780210	2	High pressure fuel feed line
A4720700240	4	Vibration damper
N910105006023	5	Bolt M6x16mm
N910105008011	2	Bolt M8x20mm
A4720780041	1	Return line P-clip
A4720700140	1	Mounting bracket
24210	1	Permatex® Medium Strength Threadlocker BLUE
18SP685	1	Installation Instructions

Removal of the High Pressure Fuel Rail Feed Lines

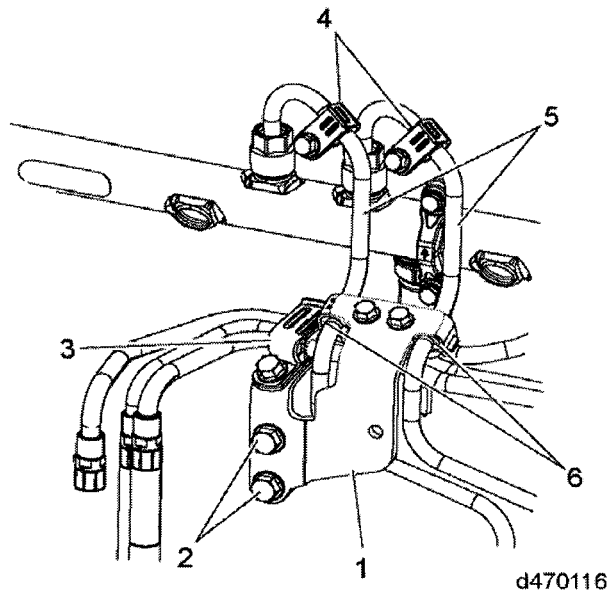
Remove as follows:



WARNING:

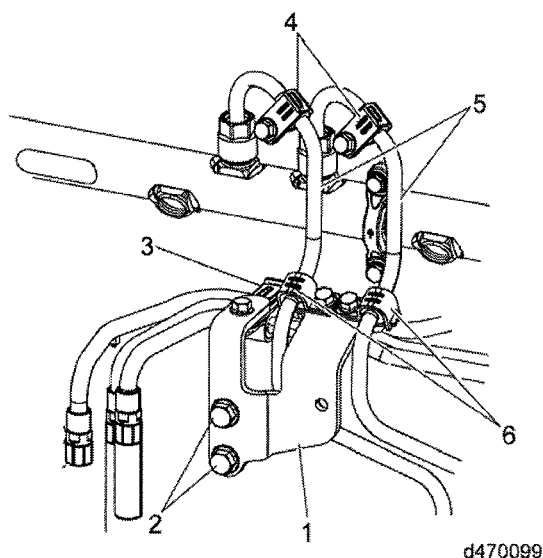
PERSONAL INJURY

To prevent the escape of high pressure fuel that can penetrate skin, ensure the engine has been shut down for a minimum of 10 minutes before servicing any component within the high pressure circuit. Residual high pressure fuel may be present within the circuit.



Engines with a serial number before 472901S0012796

Item	Component
1	Mounting bracket
2	Mounting bracket bolts
3	Return lines P-clip and bolt
4	Vibration dampers and bolts
5	High pressure fuel feed lines
6	Vibration dampers and bolts



Engines with a serial number after 472901S0012796

Item	Component
1	Mounting bracket
2	Mounting bracket bolts
3	Return lines P-clip and bolt
4	Vibration dampers and bolts
5	High pressure fuel feed lines
6	Vibration dampers and bolts

1. Disconnect the batteries.
2. Remove and discard the return lines P-clip bolt from the mounting bracket.
3. Remove and discard the two bolts and vibration dampers (6) from the mounting bracket (1).
4. Remove and discard the mounting bracket bolts (2) from the intake manifold and discard the mounting bracket (1)

NOTE:

When using tool J-48770 to remove the high pressure pump rail feed lines, hold the high pressure pump fitting with a 24mm wrench.

5. Using tool J-48770, remove and discard the high pressure pump rail feed lines (5) and vibration dampers (4) from the fuel rail and high pressure fuel pump..
6. Remove and discard the return lines P-clip (3).

Installation of the High Pressure Fuel Rail Feed Lines

Install as follows:

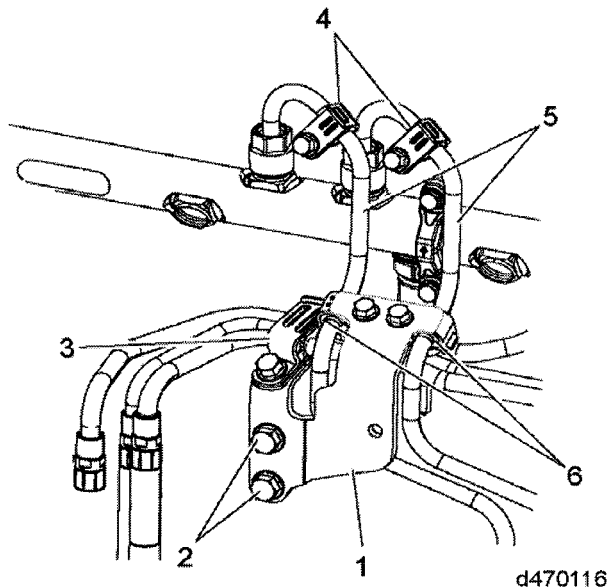
NOTE:

DO NOT install bolts and fittings using power tools. All bolts and fittings MUST be installed using hand tools.

! WARNING:

PERSONAL INJURY

All parts provided within this kit must be installed in the proper locations, and MUST be fastened to the specified torque. Failure to properly torque hardware/components will result in failure of a high pressure fuel feed line, resulting in possible fire and/or personal injury.

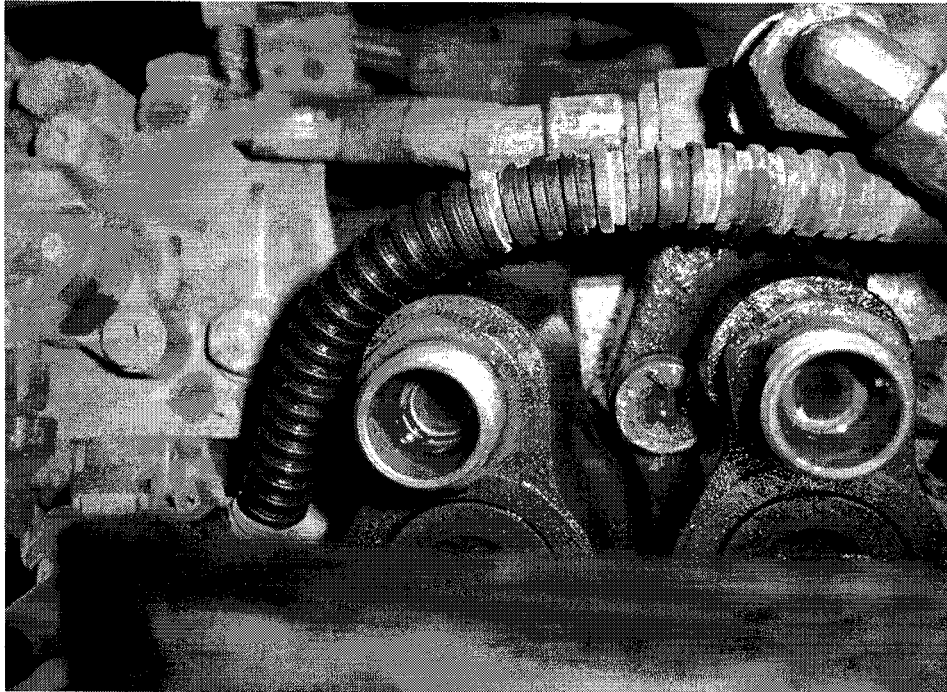


Item	Component	Part number
1	Mounting bracket	A4720700140
2	Mounting bracket bolts	N910105008011
3	Return lines P-clip and bolt	A4720780041 and N910105006023
4	Vibration dampers and bolts	A4720700240 and N910105006023
5	High pressure fuel feed lines	A4720780210
6	Vibration dampers and bolts	A4720700240 and N91015006023

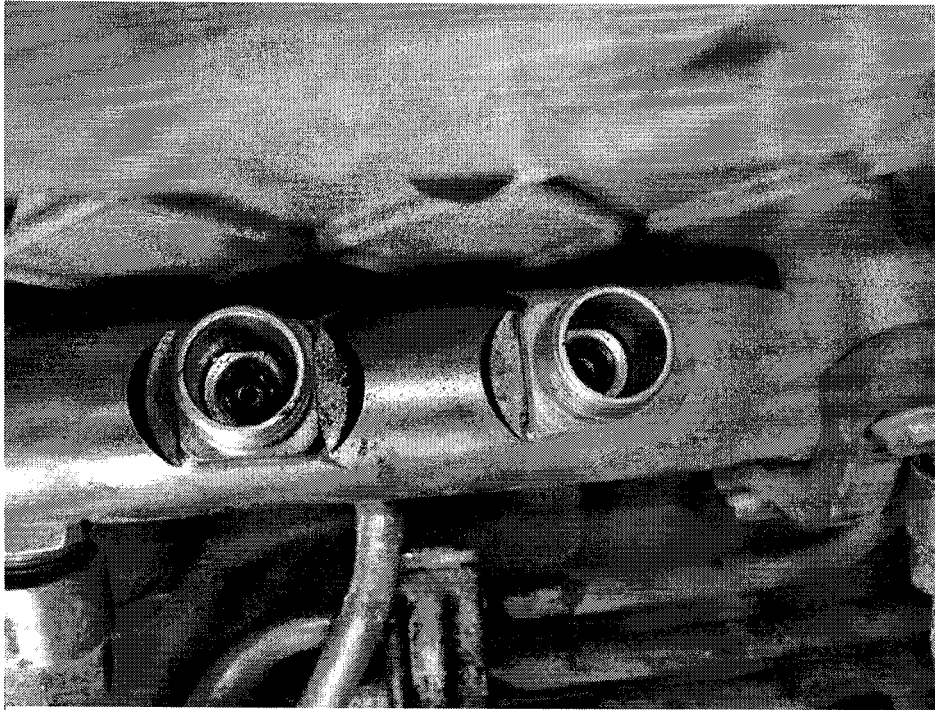
NOTE:

The new return line P-clip is installed on the return lines so the mounting bracket is under the return line P-clip.

1. Install the new return lines P-clip (3) (P/N: A4720780041) on to the return lines.
2. Clean the sealing area inside the high pressure fuel pump fittings using a clean lint-free cloth.



3. Clean the sealing area inside the high pressure fuel rail using a clean lint-free cloth.

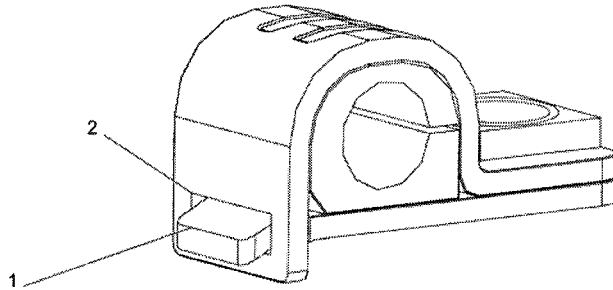


4. Install the rear high pressure fuel line (5) (P/N: A4720780210) to the fuel rail and the high pressure fuel pump. Hand tighten the nuts.
5. Using tool J-48770, torque the rear high pressure fuel line nuts to 40 N·m (30 lb·ft).
6. Install the front high pressure fuel line (5) (P/N: A4720780210) to the fuel rail and the high pressure fuel pump. Hand tighten the nuts.
7. Using tool J-48770, torque the front high pressure fuel line nuts to 40 N·m (30 lb·ft).
8. Apply Permatex® Medium Strength Threadlocker Blue (P/N: 24210) to all seven new bolts provided in this kit (P/N: N910105006023 and N910105008011).

NOTICE:
Permatex® Medium Strength Threadlocker Blue MUST be applied to the new bolts (P/N: N910105006023 and N910105008011) before installing them.

9. Install the new mounting bracket (1) (P/N: A4720700140) and two new mounting bracket bolts (2) (P/N: N910105008011) to the intake manifold. Torque to 30 N·m (22 lb·ft).

NOTICE:
Vibration dampers MUST be installed on to the high pressure fuel rail feed lines with the lower P-clip Plate (1) inserted in to the P-clip window (2).



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10. Install two new vibration dampers (6) (P/N: A4720700240) and two new bolts (P/N: N910105006023) to the high pressure fuel rail feed lines and the mounting bracket (1). Torque to 15 N·m (132 lb·in.).
11. Install two new vibration dampers (4) (P/N: A4720700240) and two new bolts (P/N: N910105006023) on to the high pressure fuel rail feed lines. (Refer to illustration for proper location of the vibration dampers). Torque to 15 N·m (132 lb·in.).
12. Install a new bolt (P/N: N910105006023) on to the return lines P-clip. Torque to 15 N·m (132 lb·in.).

NOTICE:

DO NOT use high pressure fuel lines without new vibration dampers and new bolts installed.



CAUTION:

ELECTRICAL SHOCK

To avoid injury from electrical shock, use care when connecting battery cables. The magnetic switch studs are at battery voltage.

13. Connect the batteries.
14. Prime the fuel system. Refer to section "Priming of the Fuel System Using ESOC 350 Fuel Priming Pump"
15. Perform the Rail Pressure Bleed-Off test to verify that there are no leaks.
Refer to section "Rail Pressure Bleed-Off Test Using DDDL (EPA07)"
Refer to section "Fuel Injection System (FIS) Leak Detection (EPA10)"
16. If there are leaks, find the leak and repair, as necessary.



13400 Outer Drive, West, Detroit, Michigan 48239-4001
Telephone: 313-592-5000
www.detroitdiesel.com

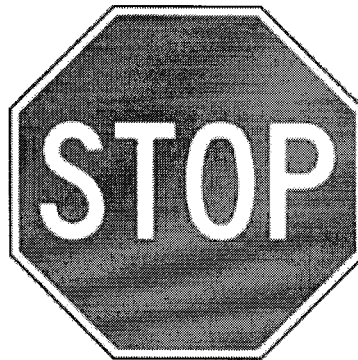
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18SP685Rev2 1301 As technical advances continue, specifications will change. Printed in U.S.A.



DETROITTM
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**18SP688Rev – EPA07/10 DD13 High Pressure
Fuel Feed Lines, Mounting Bracket, Vibration
Dampers and P-clips Service Kit
(P/N: A4720707132)**



⚠ WARNING:

PERSONAL INJURY

All parts provided within this kit must be installed in the proper locations, and **MUST** be fastened to the specified torque. Failure to properly torque hardware/components will result in failure of a high pressure fuel feed line, resulting in possible fire and/or personal injury.

⚠ WARNING:

PERSONAL INJURY

All parts provided with this kit are single-use items and cannot be reused. Reuse of hardware/component items may result in the failure of a high pressure fuel line, resulting in possible fire and/or personal injury.

NOTICE:

Failure to follow these instructions will result in catastrophic damage to the engine and will not be covered under warranty.

KIT DESCRIPTION

This service kit includes all necessary parts to replace the high pressure fuel feed lines, mounting bracket, vibration dampers and p-clips in the event one of these parts are loosened, removed or missing from the engine.

KIT CONTENTS

Service kit P/N: A4720707132 contains all of the necessary parts to replace the high pressure fuel feed lines on EPA07/10 DD13 engines.

Part No.	Qty.	Description
A4710780010	2	High pressure fuel feed line
A4720700240	2	P-clip/Vibration damper
A4720700540	2	P-clip/Vibration damper
N910105006023	5	Bolt M6x16mm
A4720780341	1	Return line P-clip
N910105008011	2	Bolt M8x20mm
A4710760240	1	Mounting bracket
24210	1	Permatex® Medium Strength Threadlocker Blue
18SP688	1	Installation Instructions

Removal of the High Pressure Fuel Rail Feed Lines

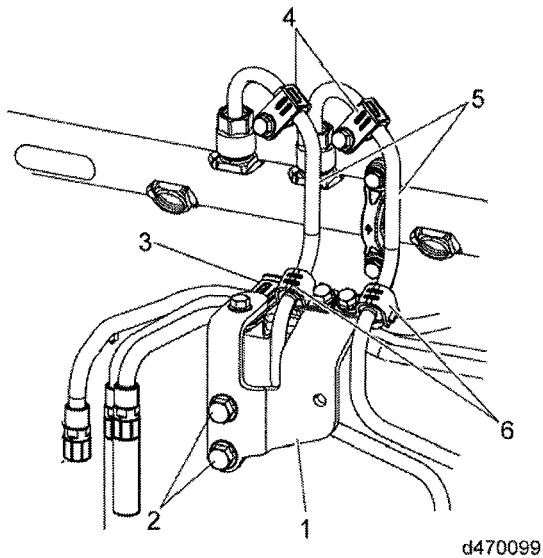
Remove as follows:



WARNING:

PERSONAL INJURY

To prevent the escape of high pressure fuel that can penetrate skin, ensure the engine has been shut down for a minimum of 10 minutes before servicing any component within the high pressure circuit. Residual high pressure fuel may be present within the circuit.



Item	Component
1	Mounting bracket
2	Mounting bracket bolts
3	Return lines P-clip and bolt
4	P-clip/vibration dampers and bolts
5	High pressure fuel feed lines
6	P-clip/vibration dampers and bolts

1. Disconnect the batteries.
2. Remove and discard the return lines P-clip bolt from the mounting bracket.
3. Remove and discard the two bolts and P-clip/vibration dampers (6) from the mounting bracket (1).
4. Remove and discard the mounting bracket bolts (2) from the intake manifold and discard the mounting bracket (1).

NOTE:

When using tool J-48770 to remove the high pressure pump rail feed lines, hold the high pressure pump fitting with a 24mm wrench.

5. Using tool J-48770, remove and discard the high pressure pump rail feed lines (5) and p-clip/vibration dampers (4) from the fuel rail and high pressure fuel pump.
6. Remove and discard the return lines P-clip (3).

Installation of the High Pressure Fuel Rail Feed Lines

Install as follows:

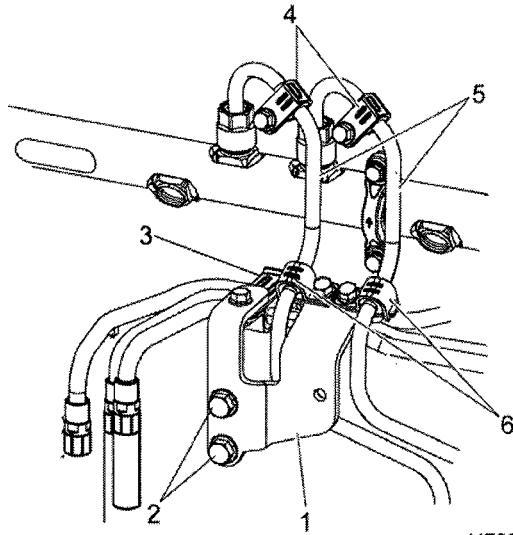
NOTE:

DO NOT install bolts and fittings using power tools. All bolts and fittings **MUST** be installed using hand tools.

! WARNING:

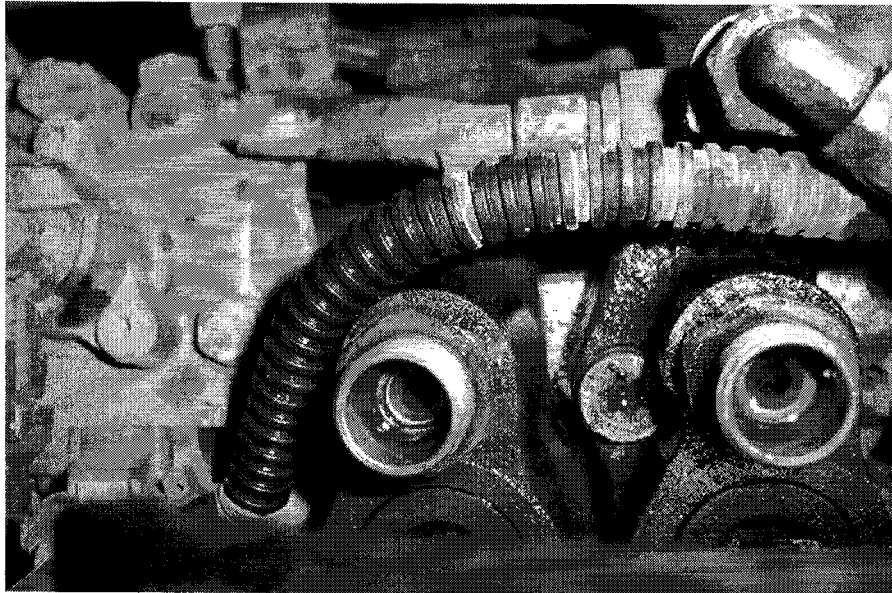
PERSONAL INJURY

All parts provided within this kit must be installed in the proper locations, and **MUST** be fastened to the specified torque. Failure to properly torque hardware/components will result in failure of a high pressure fuel feed line, resulting in possible fire and/or personal injury.

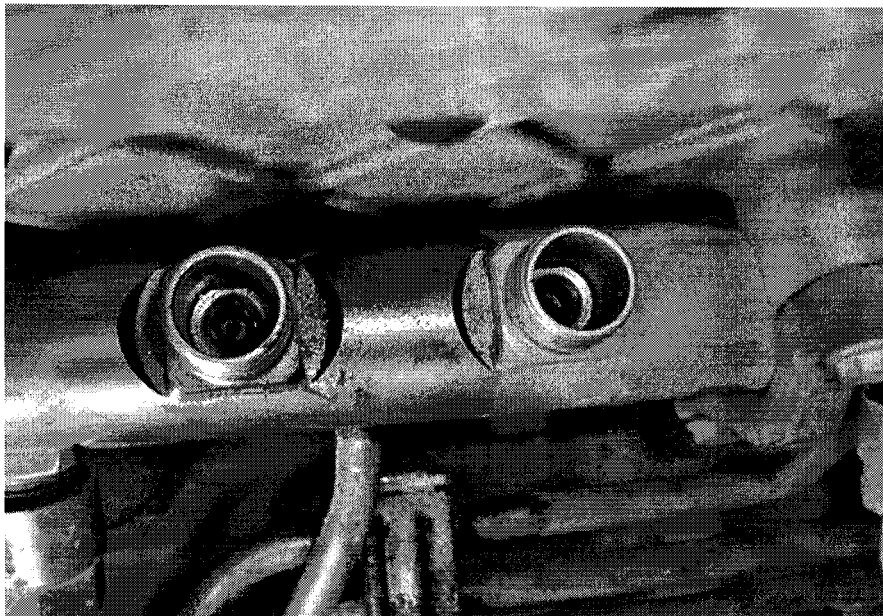


Item	Component	Part number
1	Mounting bracket	A4710760240
2	Mounting bracket bolts	N910105008011
3	Return lines P-clip and bolt	A4720780341 and N910105006023
4	P-clip/vibration dampers and bolts	A4720700240 and N910105006023
5	High pressure fuel feed lines	A4710780010
6	P-clip/vibration dampers and bolts	A4720700540 and N910105006023

1. Install the new return lines P-clip (3) (P/N: A4720780341) on to the return lines.
2. Clean the sealing area inside the high pressure fuel pump fittings using a clean, lint-free cloth.



3. Clean the sealing area inside the high pressure fuel rail using a clean, lint-free cloth.



4. Install the rear high pressure fuel line (5) (P/N:A4710780010) to the fuel rail and the high pressure fuel pump. Hand-tighten the nuts.
5. Using tool J-48770, torque the rear high pressure fuel line nuts to 40 N·m (30 lb·ft).

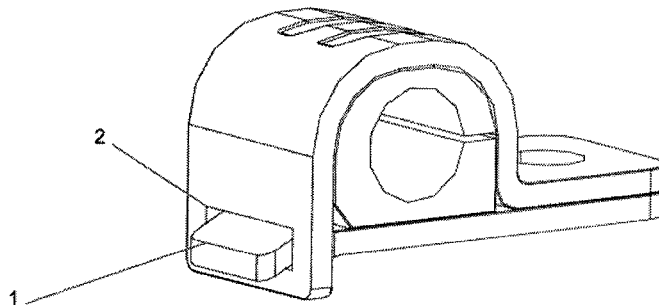
6. Install the front high pressure fuel line (5) (P/N: A4710780010) to the fuel rail and the high pressure fuel pump. Hand-tighten the nuts.
7. Using tool J-48770, torque the front high pressure fuel line nuts to 40 N·m (30 lb·ft).
8. Apply Permatex® Medium Strength Threadlocker Blue (P/N: 24210) to all seven new bolts provided in this kit (P/N: N910105006023 and N910105008011).

NOTICE:
Permatex® Medium Strength Threadlocker Blue MUST be applied to the new bolts (P/N: N910105006023 and N910105008011) before installing them.

9. Install the new mounting bracket (1) (P/N: A4710760240) and two new mounting bracket bolts (2) (P/N: N910105008011) to the intake manifold. Torque to 30 N·m (22 lb·ft).

NOTE:

New P-clip/vibration dampers MUST be installed on to the high pressure fuel feed lines with the lower P-clip plate (1) inserted into the P-clip/vibration damper window (2).



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10. Install two new P-clip/vibration dampers (6) (P/N: 4720700540) and two new bolts (P/N: N910105006023) to the high pressure fuel rail feed lines and the mounting bracket (1). Torque to 15 N·m (132 lb·in).
11. Install two new P-clip/vibration dampers (4) (P/N: A4720700240) and two new bolts (P/N: N910105006023) on to the high pressure fuel rail feed lines. (Refer to illustration for proper location of the p-clip/vibration dampers). Torque to 15 N·m (132 lb·in.).
12. Install a new bolt (P/N: N910105006023) on to the return lines P-clip. Torque to 15 N·m (132 lb·in.).

NOTICE:

DO NOT use high pressure fuel lines without new p-clip/vibration dampers, P-clips and new bolts installed.

13. Connect the batteries.

CAUTION:

ELECTRICAL SHOCK

To avoid injury from electrical shock, use care when connecting battery cables. The magnetic switch studs are at battery voltage.

14. Prime the fuel system. Refer to section "Priming of the Fuel System Using ESOC 350 Fuel Priming Pump."
15. Perform the Rail Pressure Bleed-Off test to verify that there are no leaks. Refer to section "Rail Pressure Bleed-Off Test Using DDDL (EPA07)."
Refer to section "Fuel Injection System (FIS) Leak Detection (EPA10)."
16. If there are leaks, find the leak and repair, as necessary.



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18SP688 1301 As technical advances continue, specifications will change. Printed in U.S.A.