

BULLETIN NUMBER:

IB12-J-003B

ISSUE DATE:

FEBRUARY 2014

GROUP:

ENGINE

Long Block Replacement - Fuel Injector Pipe Installation

AFFECTED VEHICLES

1999 - 2002 Isuzu FSR/FTR/FVR
 1999 - 2009 Chevrolet or GMC T6500/T7500/T8500
 2000 - 2004 Chevrolet or GMC WT5500
 2000 - 2004 Isuzu FRR
 2003 - 2009 Chevrolet or GMC C6500/C7500/C8500
 2004 - 2009 Isuzu FTR/FVR/FXR
 2005 - 2007 Isuzu HTR/HVR/HXR
 2005 - 2010 Chevrolet or GMC W3500/W4500/W5500
 2005 - 2015 Isuzu NPR/NPRHD/NQR/NRR
 2013 - 2014 Isuzu NPR

SERVICE INFORMATION

AFFECTED VEHICLES

- 2005-2015MY Isuzu N-Series
- 2005-2010 GMC and Chevrolet W-Series
Equipped with 4HK1 5.2L Diesel Engine
- 1999-2009MY Isuzu F/H Series
- 1999-2009MY GMC and Chevrolet C/T Series
Equipped with 6HK1 7.8L Diesel Engine

This bulletin supersedes IB12-J-003A. This bulletin is being revised to update Model Years. Please discard bulletin IB12-J-003A.

INFORMATION

Proper Installation of the Fuel Injector Pipes into a Long Block Assembly The fuel injection pipes should be installed on to the new long block assembly after first installing the common rail.

When installing the fuel injection pipes, follow the procedure below to ensure proper mating of the fuel injector high pressure inlet, and the fuel injection pipes.

- Program the fuel injector flow rates found on the cylinder head cover into the ECM using IDSS (if applicable).
- Remove the cylinder head cover taking care to avoid damage to the gasket.
- Loosen and remove the fuel injector terminal nuts.
- Loosen and remove the fuel injector harness bracket bolts. Unclip the harness at the inside of the pass through connector. Remove the bracket and wire harness.
- Remove the fuel injector leak off pipe. Discard the gaskets.
- Loosen but do not remove the fuel injector clamp fixing bolts.
- Ensure there is clearance between the fuel injector and the fuel injector clamp by gently rotating the fuel injector side to side.
- Apply engine oil to the outer diameter of the fuel injector pipe sleeve nuts.

- Loosely thread the fuel injection pipe sleeve nuts to the correct fuel injector, and the correct location on the common rail.
- Loosely install the fuel injection pipe clips.
- HAND TIGHTEN the fuel injector and common rail sleeve nuts until contact is felt between the pipe and the fuel injector, and pipe and common rail fitting.

NOTE: Pay close attention to ensure the fuel injection pipe is located correctly into the fuel injector high pressure inlet.

- Torque the fuel injection piping in the following order. Refer to the appropriate service manual for detailed torque specifications.

- o Fuel injector clamp bolts.
- o Fuel injector pipe sleeve nuts to the fuel injectors.
- o Fuel injector pipe to the common rail.
- o Install the fuel injector leak off pipe with new gaskets and tighten the banjo bolts.
- o Fuel injector harness pass through connector and harness bracket.
- o Fuel injector terminal nuts.
- o Fuel injection pipe clips.

NOTE: Install the cylinder head cover from the original engine to ensure the correct engine emission label and information will be retained with the vehicle!!!!!!