

SERVICE MANUAL INFORMATION

Group:	SERVICE MANUAL UPDATE
Bulletin No:	SB-16-029
Issue Date:	11-8-2016

Subject: CORRECTION OF WORKSHOP MANUAL FOR HINO300 SERIES Detailed Explanation of the Fuel Pipe Installation

RELEVANT MODEL: 2012MY-2017MY COE Trucks

The following is to inform you of the above caption. This service data should be attached to the relevant pages of the workshop manuals for maintenance and to use for servicing.

OVERVIEW:

Addition of detailed explanation of the fuel pipe installation.

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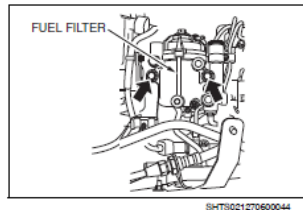
FUEL SYSTEM (J05E)

MOUNTING THE FUEL FILTER (ENGINE SIDE)

1. CAUTIONS

⚠ CAUTION

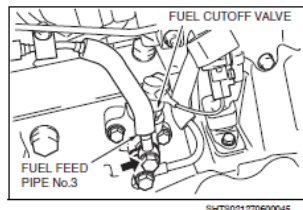
- While working, be careful not to make dirt and water enter parts.
- Before mounting parts, make sure that there is no dirt on the connection between them.
- Air enters the fuel pipe in the process of mounting the prefuel filter case. After mounting is completed, thoroughly purge air from the fuel pipe.



2. MOUNTING THE FUEL FILTER

- (1) Mount the fuel filter with the bolts (2 pcs.).

Tightening Torque:
55 N·m (561 kgf·cm, 41 lbf·ft)

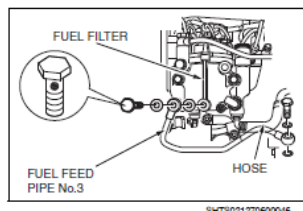


3. MOUNTING THE FUEL PIPE

- (1) Attach the clip with the nut, and fix fuel feed pipe No.3.

- (2) Connect the hose to the fuel filter with the clamp.
(3) Connect fuel feed pipe No.3 to the fuel filter, supply pump and fuel shutoff valve with a new gasket and 3 union bolts.

Tightening Torque:
24.5 N·m (250 kgf·cm, 18 lbf·ft)
Fuel filter side
14.8-19.6 N·m (151-199 kgf·cm, 11-14 lbf·ft)
Supply pump side
19.6 N·m (200 kgf·cm, 14 lbf·ft)
Fuel shutoff valve side



⚠ CAUTION

A strainer is attached to the supply pump union bolt. Assemble the union bolts correctly.

ADD

NOTICE

- Do not use a power tool.
- For fuel filter side, use M14 x 1.5 union bolt.
- For supply pump side, use M14 x 1.0 union bolt.
- For fuel shutoff valve side, use M10 x 1.5 union bolt.



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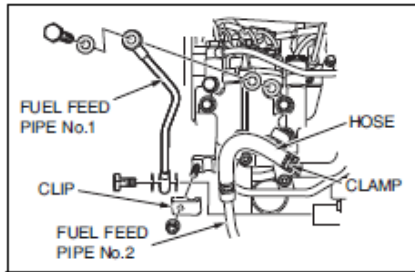
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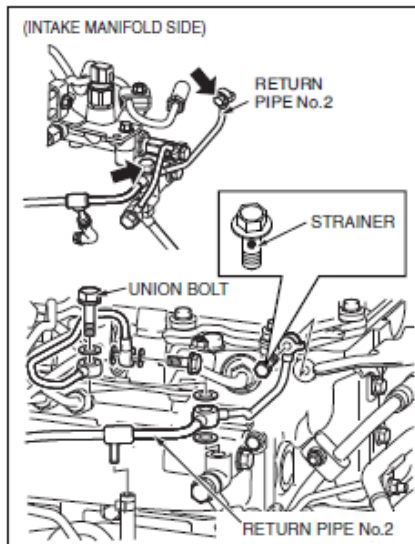
- (4) Connect fuel feed pipe No.1 and fuel feed pipe No.2 to the fuel filter and supply pump with a new gasket and 3 union bolts.

Tightening Torque:
14.8-19.6 N·m {151-199 kgf·cm, 11-14 lbf·ft}
 Supply pump side
24.5 N·m {250 kgf·cm, 18 lbf·ft}
 Fuel filter side

NOTICE

- Do not use a power tool.
- For supply pump side, use M14 x 1.5 union bolt.
- For fuel filter side, use M14 x 1.5 union bolt.

ADD



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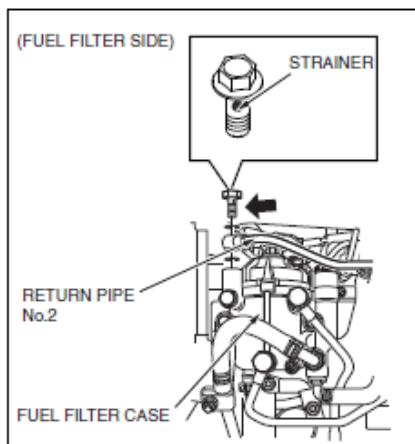
- (5) Mount the hose to the fuel filter with 2 clamps.
 (6) Mount the clip with the nut and fix fuel feed pipe No.1.
 (7) Connect return pipe No.2 to the fuel filter case and cylinder head with a new gasket and 3 union bolts.

Tightening Torque:
24.5 N·m {250 kgf·cm, 18 lbf·ft}
 Fuel filter side
24.5 N·m {250 kgf·cm, 18 lbf·ft}
 Intake manifold side
16-20 N·m {164-203 kgf·cm, 12-14 lbf·ft}
 Cylinder head side

NOTICE

- Do not use a power tool.
- For fuel filter side, use M14 x 1.0 union bolt.
- For intake manifold side, use M12 x 1.5 union bolt.
- For cylinder head side, use M8 x 1.25 union bolt.

ADD



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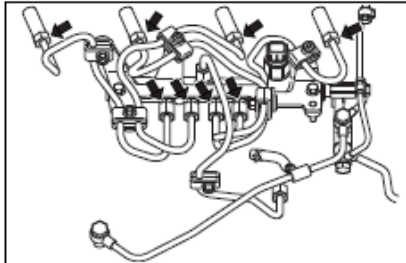
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FUEL SYSTEM (J05E)

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4. INSTALLING THE INJECTION PIPE

- (1) Install the new 4 injection pipes on the injector and the common rail.

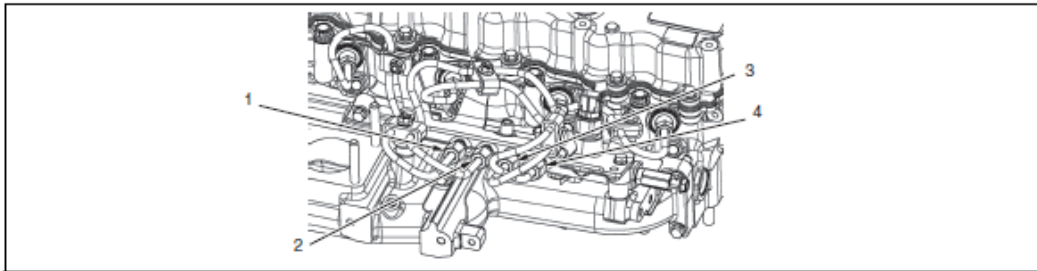
Tightening Torque:
44 N·m (449 kgf·cm, 32 lbf·ft)

⚠ CAUTION

- Do not fail to replace the injection pipes with new ones because they are subjected to high pressure and may cause fuel leakage.
- Fuel will leak out if the injection pipes are not properly connected. Follow the procedure.
- Fuel leakage will cause damage to the engine.

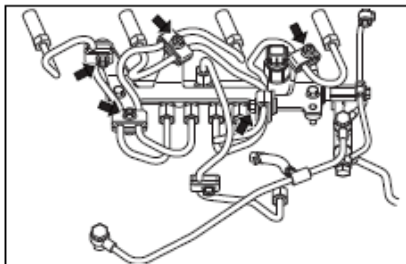
NOTICE

Install the injection pipes so that the flare tightening nuts of the injection pipes will be arranged in the order of the numbers engraved on the nuts shown in the figure below.



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- (2) Install the 5 clips with 5 nuts and fix the injection pipe.

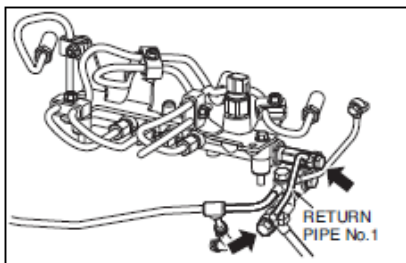


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5. INSTALLING THE FUEL PIPE

- (1) Install the return pipe No.1 to the pressure limiter with 2 new gaskets and 2 union bolts.

Tightening Torque:
20 N·m (204 kgf·cm, 15 lbf·ft)
Pressure limiter side
24.5 N·m (250 kgf·cm, 18 lbf·ft)
Cluster connector side



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NOTICE

- Do not use a power tool.
- For pressure limiter side, use M10 x 1.0 union bolt.
- For cluster connector side, use M12 x 1.5 union bolt.

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