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Service Information Bulletin

SUBJECT	DATE
Installation of the Fuel Injector Cup	February 2014

Additions, Revisions, or Updates

Publication Number / Title	Platform	Section Title	Change
DDC-SVC-MAN-0082	DD Platform	Installation of the Fuel Injector Cup - Three-Filter System	Changed the process to torque the injector cup to prevent damage to the cup or installation tool.
	EPA10/ GHG14 DD Platform	Installation of the Fuel Injector Cup - Two-Filter System	



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2 Installation of the Fuel Injector Cup - Three-Filter System

Install as follows:

NOTE: Take extra precautions when cleaning fuel injector bores to ensure debris does not enter fuel system. Do not use power tools to clean fuel injector bores, use J-47374 hand brush and a rag. Do not use compressed air to blow out debris in the bores.

1. Clean fuel injector bore. Use J-47374 hand brush to remove debris.

NOTE: Replace fuel injector cup O-ring with a new O-ring when fuel injector cup is removed or replaced.

2. Install O-ring in cylinder head. A small amount of silicone based O-ring lubrication will aid in the installation.
3. Coat threads of fuel injector cup and cup sealing surface with a high temperature nickel-based anti-seize lubricant.
4. Install fuel injector cup onto tool J-47388 and install into cylinder head bore.
5. Torque fuel injector cup to 50 N·m (37 lb·ft).
6. Release torque by rotating injector cup counter clockwise.
7. Re-torque fuel injector cup to 50 N·m (37 lb·ft). If cylinder head has been removed, ensure edge cup is flush with fire deck.
8. Install fuel injector. Refer to section "Installation of the Fuel Injector - Three-Filter System".
9. Install fuel injector harness.
Refer to section "Installation of the One-Piece Fuel Injector Wiring Harness - Three-Filter System".
Refer to section "Installation of the Two-Piece Fuel Injector Wiring Harness - Three-Filter System".
10. Install rocker cover. Refer to section "Installation of the Rocker Cover".
11. Fill and pressure test the cooling system; check for leaks. Refer to section "Cooling System Fill Procedure".

3 Installation of the Fuel Injector Cup - Two-Filter System

Install as follows:

NOTE: Take extra precautions when cleaning fuel injector bores to ensure debris does not enter fuel system. Do not use power tools to clean fuel injector bores, use J-47374 hand brush and a rag. Do not use compressed air to blow out debris in the bores.

1. Clean fuel injector bore. Use J-47374 hand brush to remove debris.

NOTE: Replace fuel injector cup O-ring with a new O-ring when fuel injector cup is removed or replaced.

2. Install O-ring in cylinder head. A small amount of silicone based O-ring lubrication will aid in the installation.
3. Coat threads of fuel injector cup and cup sealing surface with a high temperature nickel-based anti-seize lubricant.
4. Install fuel injector cup onto tool J-47388 and install into cylinder head bore.
5. Torque fuel injector cup to 50 N·m (37 lb·ft).
6. Release torque by rotating injector cup counter clockwise. Re-torque fuel injector cup to 50 N·m (37 lb·ft). If cylinder head has been removed, ensure edge cup is flush with fire deck.
7. Install fuel injector. Refer to section "Installation of the Fuel Injector - Two-Filter System".
8. Install fuel injector harness.
Refer to section "Installation of the Two-Piece Fuel Injector Wiring Harness - Two-Filter System".
9. Install rocker cover. Refer to section "Installation of the Rocker Cover".
10. Fill and pressure test the cooling system; check for leaks. Refer to section "Cooling System Fill Procedure".