

Product: INDUSTRIAL ENGINE
Model: 3054B INDUSTRIAL ENGINE 5MF
Configuration: 3054B Industrial Engine 5MF00001-UP

Disassembly and Assembly 3054B Industrial Engine

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i01394351

Fuel Injection Lines - Remove and Install

SMCS - 1252-010

Removal Procedure

NOTICE

Keep all parts clean from contaminants.

Contaminants may cause rapid wear and shortened component life.

NOTICE

Care must be taken to ensure that fluids are contained during performance of inspection, maintenance, testing, adjusting and repair of the product. Be prepared to collect the fluid with suitable containers before opening any compartment or disassembling any component containing fluids.

Refer to Special Publication, NENG2500, "Caterpillar Tools and Shop Products Guide" for tools and supplies suitable to collect and contain fluids on Caterpillar products.

Dispose of all fluids according to local regulations and mandates.

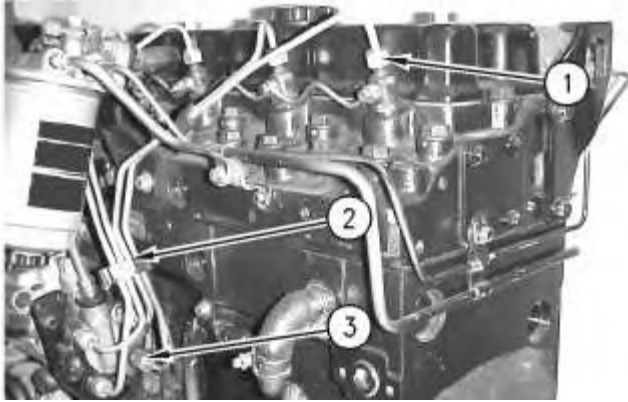


Illustration 1

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1. Loosen four fittings (3) that fasten high pressure fuel lines (2) to the fuel injection pump.
2. Loosen four fittings (1) that fasten high pressure fuel lines (2) to the fuel injection nozzles.
3. Remove high pressure fuel lines (2) from the engine.

Note: Immediately cap all openings or plug all openings on the fuel injection pump and the fuel injection nozzles in order to prevent contamination.

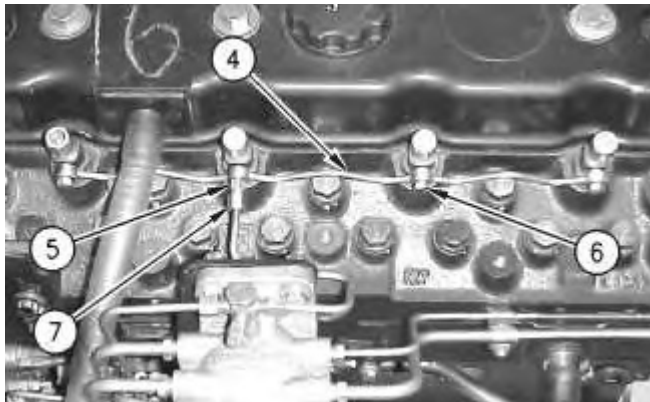


Illustration 2

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4. Loosen fitting (7) from fitting (5) for the fuel line.
5. Remove fitting (5) from the fuel injection nozzle and remove the two sealing washers. Fitting (5) must be installed in the original location during assembly.
6. Remove three banjo bolts (6) and the nine sealing washers from the fuel injection nozzles.

Note: New sealing washers must be used during the installation of banjo bolts (6) .

7. Remove fuel return line (4) from the engine.
8. Inspect all of the fuel lines, fittings and banjo bolts for damage. If any of the parts are damaged, use new parts for replacement.

Installation Procedure

NOTICE

Keep all parts clean from contaminants.

Contaminants may cause rapid wear and shortened component life.

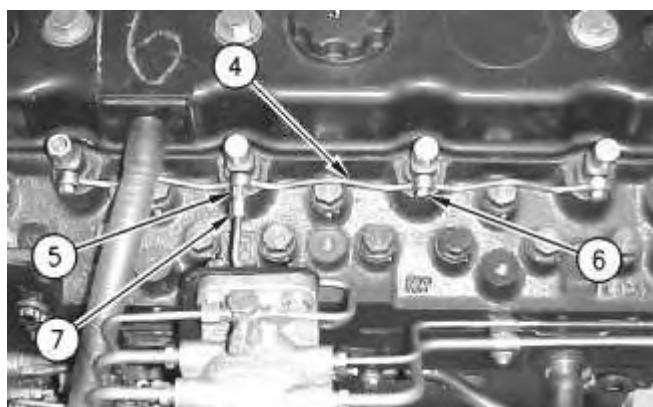
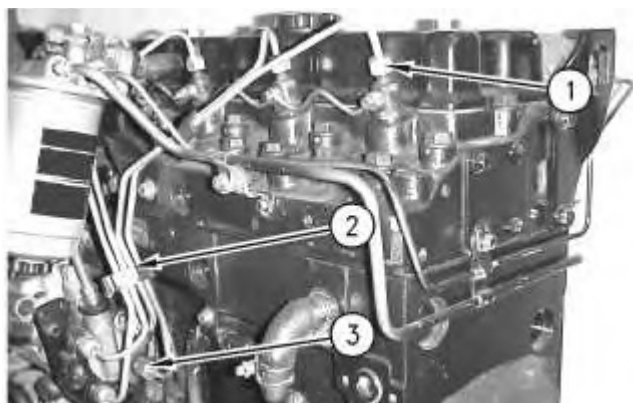


Illustration 3

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1. Put fuel return line (4) in position on the engine.
2. Install nine new sealing washers and three banjo bolts (6) that hold the fuel return line in position on the fuel injection nozzles.
3. Install two sealing washers and fitting (5) in the original location on the fuel injection nozzle. Tighten banjo bolts (6) and fitting (5) to a torque of 9 N·m (80 lb in). Tighten fitting (7) to a torque of 9 N·m (80 lb in).



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