



Service Repair Manual

Models

3054B Industrial Engine

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

Disassembly and Assembly 3054B Industrial Engine

Media Number -SEN5029-01

Publication Date -01/01/2010

Date Updated -13/01/2010

i01394338

Fuel Filter Base - Remove and Install

SMCS - 1262-010

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.

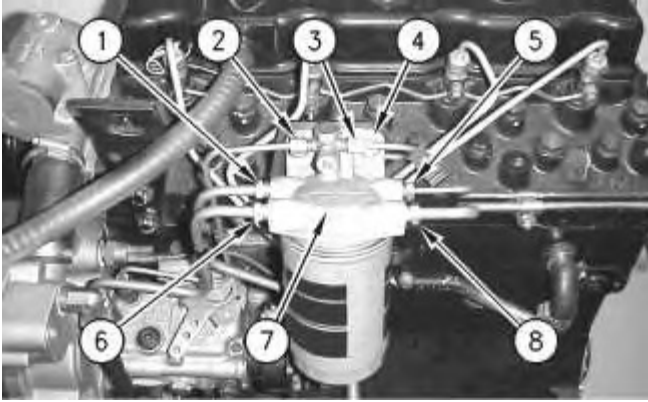


Illustration 1

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Note: Put an identification mark on all of the fuel lines in order to install the fuel lines in the original location.

1. Disconnect fuel return lines (2) and (3) from fuel filter base (7). Plug fuel return lines (2) and (3) and cap the openings on fuel filter base (7) in order to help prevent contamination.
2. Disconnect fuel supply lines (1) and (6) from fuel filter base (7). Cap fuel supply lines (1) and (6) and plug the openings in fuel filter base (7) in order to help prevent contamination.
3. Disconnect fuel supply line (8) from fuel filter base (7). Cap fuel supply line (8) and plug the opening in fuel filter base (7) in order to help prevent contamination.
4. Disconnect fuel line (5) for the air inlet heater from fuel filter base (7). Cap fuel line (5) and plug the opening in fuel filter base (7) in order to help prevent contamination.
5. Remove two bolts (4) that fasten fuel filter base (7) to the mounting bracket. Remove fuel filter base (7) and the fuel filter from the mounting bracket.
6. Inspect the fuel lines and the fuel filter base for damage. If the fuel lines or the fuel filter base are damaged, use new parts for replacement.

Installation Procedure

NOTICE

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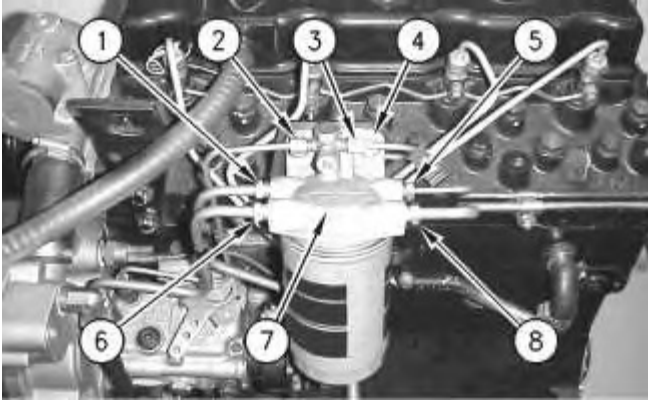


Illustration 2

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1. Put fuel filter base (7) in position on the mounting bracket and install two bolts (4) .

Note: Remove the appropriate caps or the appropriate plugs from the fuel filter base and from the fuel lines prior to connecting the fuel lines to the fuel filter base.

2. Connect fuel line (5) for the air inlet heater to fuel filter base (7) .
3. Connect fuel supply line (8) to fuel filter base (7) .
4. Connect fuel supply lines (6) and (1) to fuel filter base (7) .
5. Connect fuel return lines (3) and (2) to fuel filter base (7) .
6. Prime the fuel system before the engine is started. Refer to the Systems Operation, Testing and Adjusting Module, "Fuel System - Prime" topic for information on priming the fuel system.

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Disassembly and Assembly 3054B Industrial Engine

Media Number -SEN5029-01

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i01203657

Fuel Transfer Pump - Remove

SMCS - 1256-011

Removal Procedure

NOTICE

Keep all parts clean from contaminants.

Contaminants may cause rapid wear and shortened component life.

NOTICE

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Dispose of all fluids according to local regulations and mandates.

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