



Service Repair Manual

Model

320C EXCAVATOR

Product: EXCAVATOR

Model: 320C EXCAVATOR HBC

Configuration: 320C Excavators HBC00001-UP (MACHINE) POWERED BY 3066 Engine

Disassembly and Assembly 3064 and 3066 Engines for Caterpillar Built Machines

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i01565021

Fuel Injection Lines - Remove and Install

SMCS - 1252-010

Removal Procedure

Start By:

- A. Remove the fuel filter base. Refer to Disassembly and Assembly, "Fuel Filter Base - Remove and Install".

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.

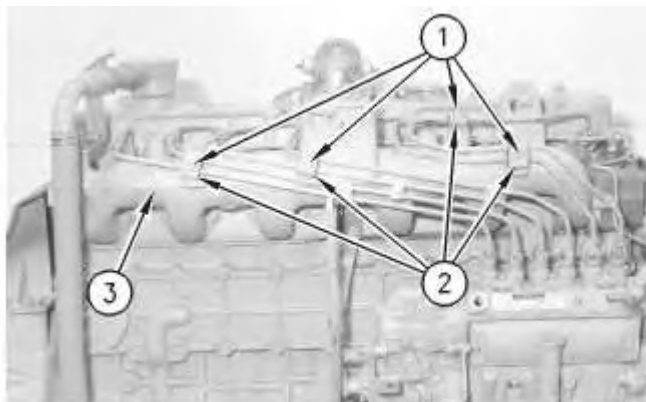


Illustration 1

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The 3066 Engine is shown.

1. Remove the bolts (1), the washers, and the clamps (2), which secure the fuel lines to the inlet manifold (3) .

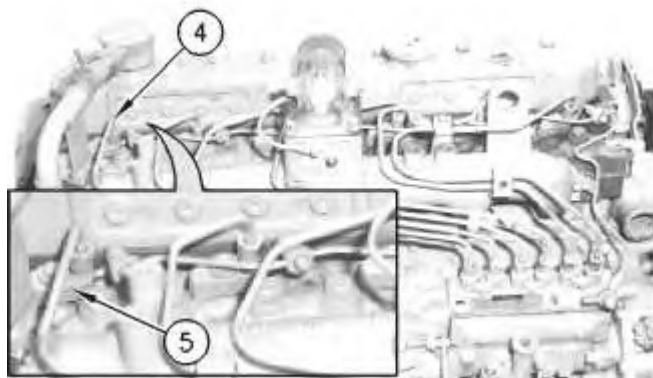


Illustration 2

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2. Disconnect the fuel injection lines (4) from the fuel injection nozzles (5) .

Note: Cap all openings or plug all openings immediately in order to prevent contamination of the fuel system.

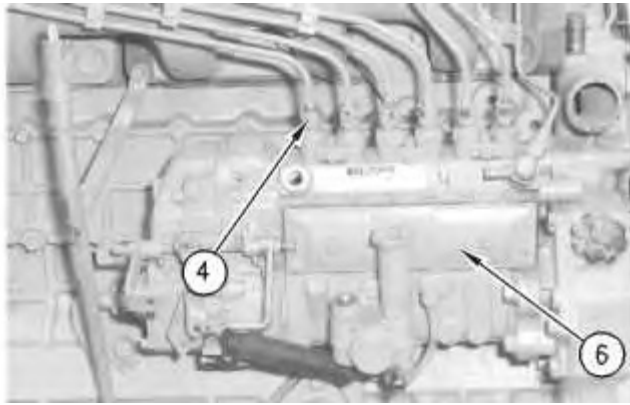


Illustration 3

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Fuel injection pump for a 3066 Engine

3. Disconnect the end of the fuel injection lines (4) from the fuel injection pump (6) .

Note: Cap all openings or plug all openings immediately in order to prevent contamination of the fuel system.

4. Remove the fuel injection lines (4) from the engine.

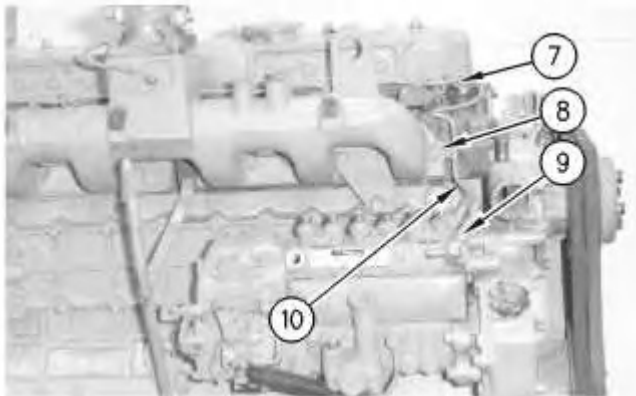


Illustration 4

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5. Loosen the acorn nuts (7), which secure the fuel return line to the fuel injection nozzles.
6. Remove one bolt (8) and the washer from the clamp that secures the fuel return line to the intake manifold.

Note: The clamp will remain with the fuel return line, when the fuel return line is removed from the engine.

7. Disconnect fitting (9). Remove fuel return line (10) from the engine.

Note: Cap all openings or plug all openings immediately in order to prevent contamination of the fuel system.

Installation Procedure

NOTICE

Keep all parts clean from contaminants.

Contaminants may cause rapid wear and shortened component life.

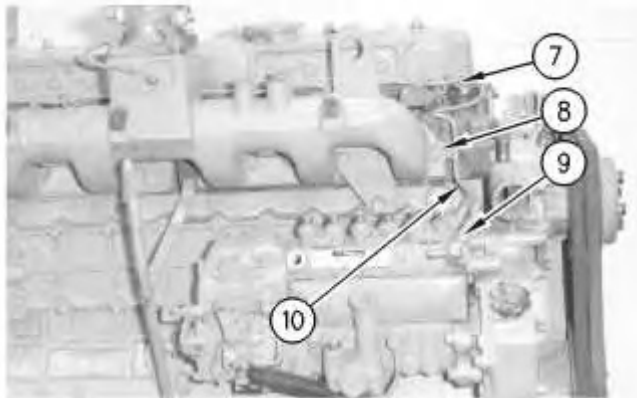
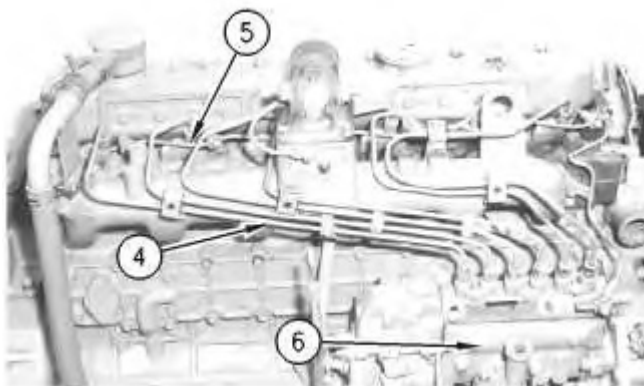


Illustration 5

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1. Place the fuel return line (10) in position on the engine. Connect fitting (9) of the fuel return line to the fuel injection pump.
2. Install the washer and bolt (8) through the clamp in order to secure the fuel return line to the inlet manifold.
3. Install the fuel return line (10) to the fuel injection nozzles. Secure the fuel return line to the fuel injection nozzle with acorn nuts (7) .



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