



Service Repair Manual

Model

235 EXCAVATOR

Product: EXCAVATOR

Model: 235 EXCAVATOR 64R

Configuration: 235 EXCAVATOR 64R00596-01257 (MACHINE) POWERED BY 3306 ENGINE

Disassembly and Assembly 3304B and 3306B Engines for Caterpillar Built Machines

Media Number -SEN5598-09

Publication Date -01/01/2013

Date Updated -25/01/2013

i00903297

Fuel Ratio Control - Remove

SMCS - 1278-011

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 machine. 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 in Caterpillar machines.

Dispose of all fluids according to local regulations and mandates.

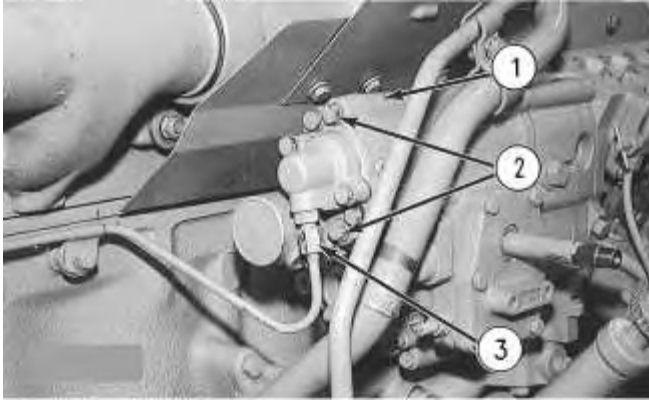


Illustration 1

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1. Disconnect fuel pressure line (3). Remove two bolts (2) .
2. Move fuel ratio control (1) upward in order to disengage the fuel ratio control from the lever assembly in the governor.

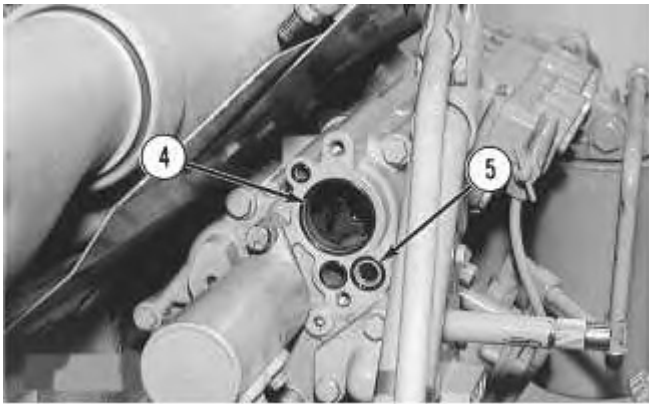


Illustration 2

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3. Remove four O-ring seals (4) and screen assembly (5) .

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Fuel Ratio Control - Disassemble

SMCS - 1278-015

Disassembly Procedure

Table 1

Required Tools			
Tool	Part Number	Part Description	Qty
A	FT-1820	Fixture Assembly	1
B	1P-1855	Retaining Ring Pliers	1
C	6V-9072	Guide	1

Start By:

- A. Remove the fuel ratio control. Refer to Disassembly and Assembly, "Fuel Ratio Control - Remove".

NOTICE

Keep all parts clean from contaminants.

Contaminants may cause rapid wear and shortened component life.

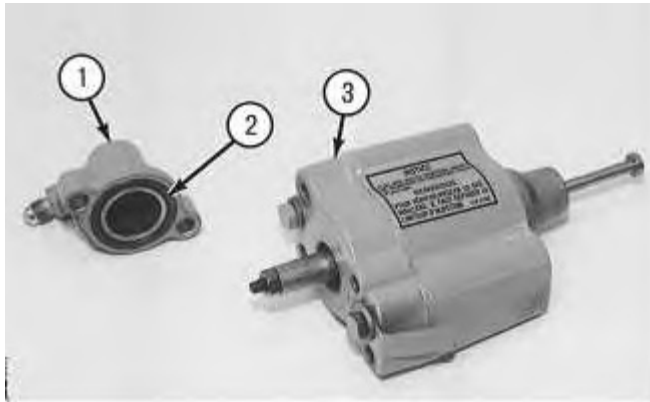


Illustration 1

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1. Remove cover (1) and O-ring seal (2) .



Personal injury can result from parts and/or covers under spring pressure.

Spring force will be released when covers are removed.

Be prepared to hold spring loaded covers as the bolts are loosened.

2. In order to release the spring force, hold cover (3) in position and slowly remove the two bolts that hold cover (3) in place.

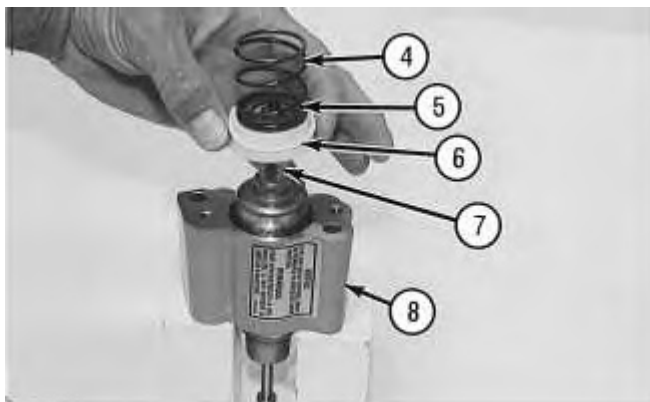


Illustration 2

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3. Remove spring (4), washer (5) and diaphragm (6) from retainer (7). Remove retainer (7) from housing (8) .

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