



# Service Repair Manual

## **Model**

**235 EXCAVATOR**

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Product: EXCAVATOR

Model: 235 EXCAVATOR 81X

Configuration: 235 EXCAVATOR 81X00001-UP (MACHINE) POWERED BY 3306 ENGINE

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

Media Number -SEN5598-09

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i01139602

# Fuel Injection Pump Housing - Disassemble

SMCS - 1253-015

## Disassembly Procedure

Table 1

Required Tools			
Tool	Part Number	Part Description	Qty
A	1P-1860	Retaining Ring Pliers	1

### Start By:

- A. Disassemble the governor. Refer to Disassembly and Assembly, "Governor - Disassemble".
- B. Remove the fuel injection pumps. Refer to Disassembly and Assembly, "Fuel Injection Pump - Remove".

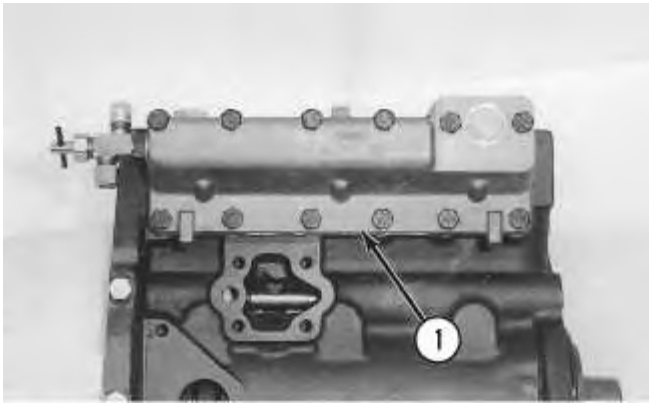
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### NOTICE

**Keep all parts clean from contaminants.**

**Contaminants may cause rapid wear and shortened component life.**

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Illustration 1

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1. Remove cover (1) and the gasket.

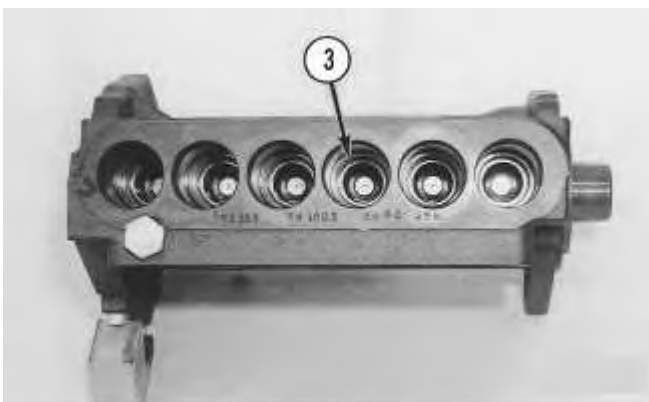


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Illustration 2

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2. Remove fuel rack (2) from the fuel injection pump housing.



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Illustration 3

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**Note:** If the original lifters are being reused in the fuel injection pump housing, place identification marks on the lifters in order to identify the locations.

3. Remove lifters (3) from the fuel injection pump housing.

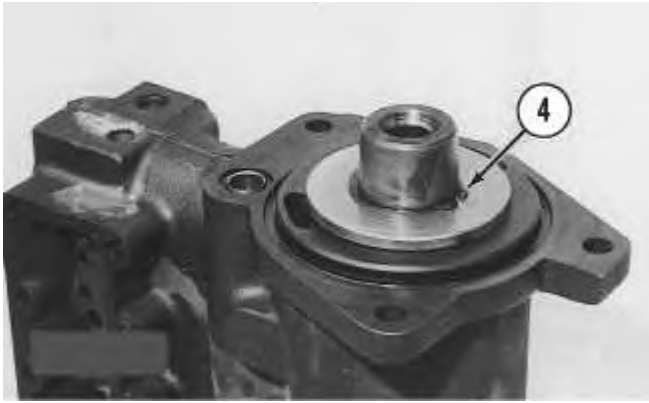


Illustration 4

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4. Position the fuel injection pump housing on wood blocks, as shown. Use Tool (A) in order to remove snap ring (4) .

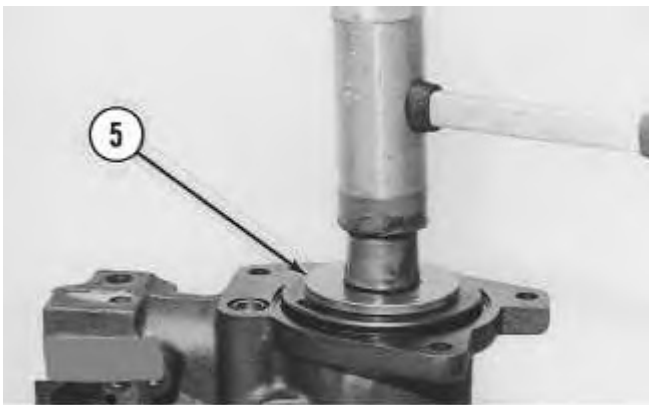


Illustration 5

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5. Use a soft hammer to push the camshaft toward the governor end of the fuel injection pump housing in order to loosen washer (5). Remove washer (5) .
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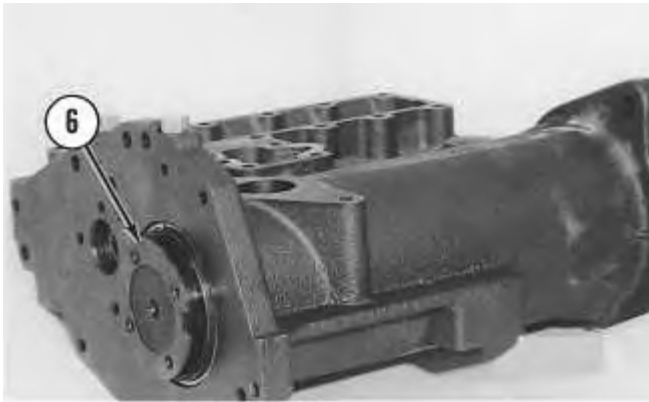


Illustration 6

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6. Remove camshaft (6) .

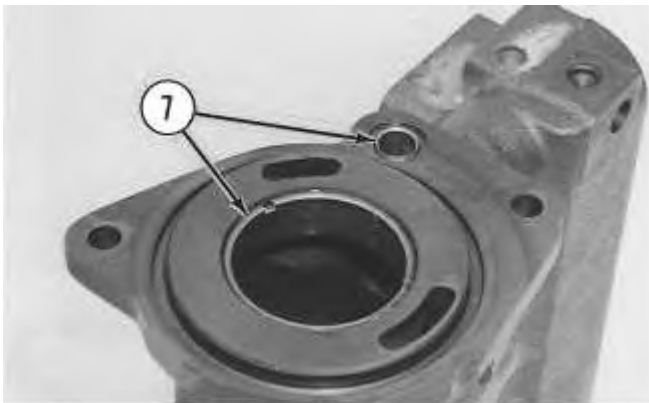


Illustration 7

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7. Remove bearings (7) from the drive end of the fuel injection pump housing.

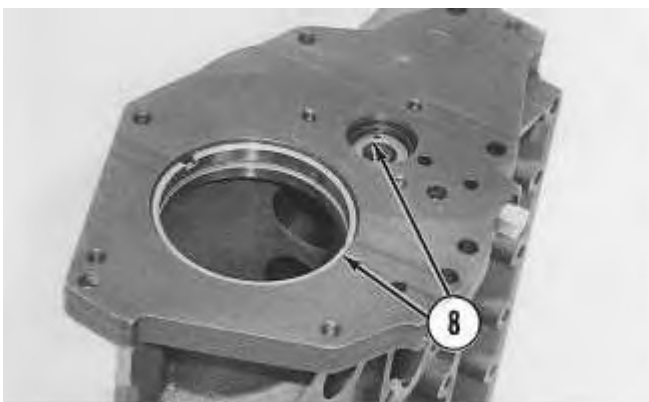


Illustration 8

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8. Remove bearings (8) from the governor end of the fuel injection pump housing.

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