



# Service Repair Manual

## **Model**

**235 EXCAVATOR**

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Product: EXCAVATOR

Model: 235 EXCAVATOR 32K

Configuration: 235 EXCAVATOR 32K01301-02678 (MACHINE) POWERED BY 3306 ENGINE

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

Media Number -SEN5598-09

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i01111261

### Governor - Assemble

SMCS - 1264-016

### Assembly Procedure

Table 1

Required Tools			
Tool	Part Number	Part Description	Qty
A	1P-1855	Retaining Ring Pliers	1
B	6V-2163	Spring Clamp	1
C	1P-0510	Driver Group	1
D	6V-2054	Shield Driver	1

**Note:** Put clean engine oil on all parts before assembly. Ensure that all of the oil passages are clear.

**Note:** Check the condition of the gaskets and the O-ring seals. If the gaskets, the seals, or any parts are worn or damaged, use new parts for replacement.

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#### NOTICE

**Keep all parts clean from contaminants.**

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

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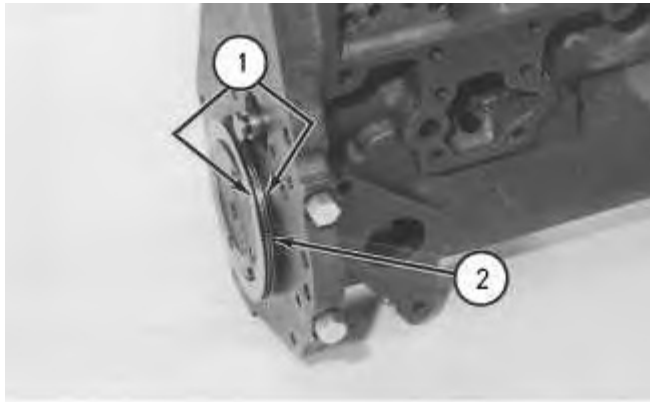


Illustration 1

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1. Install one race (1), bearing (2) and the other race (1) on the camshaft in the fuel injection pump housing.

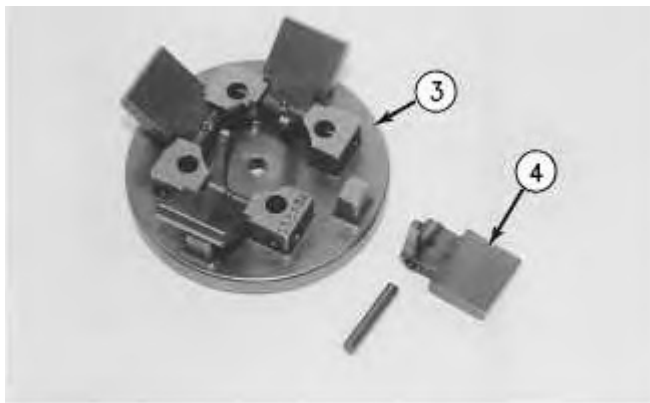


Illustration 2

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2. Put flyweights (4) in position on carrier (3) and install the dowels in order to hold the flyweights in place. The flyweights must move freely on the dowels.

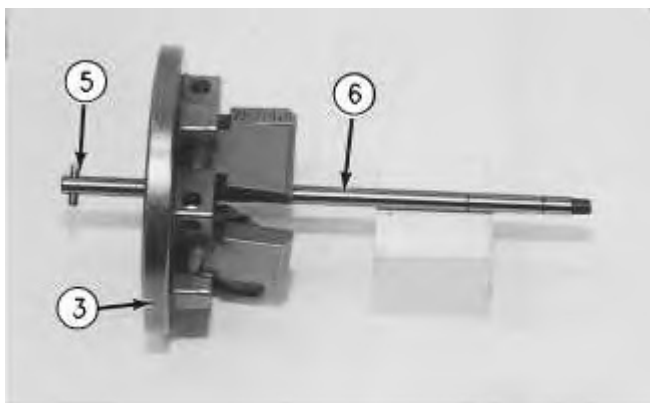


Illustration 3

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3. Install dowel (5) in governor shaft (6) and install the governor shaft in the carrier (3) .

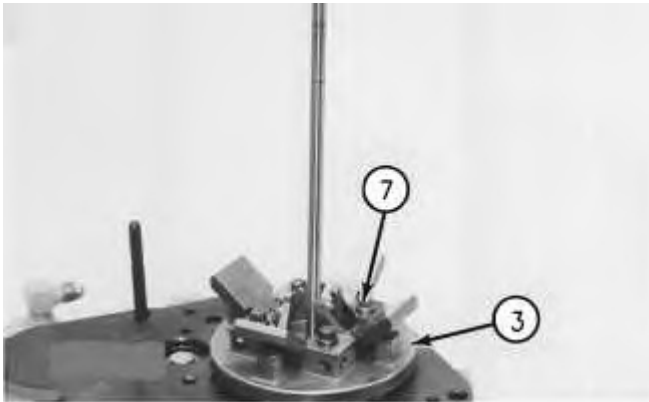


Illustration 4

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4. Put carrier (3) in position and install bolts (7) .

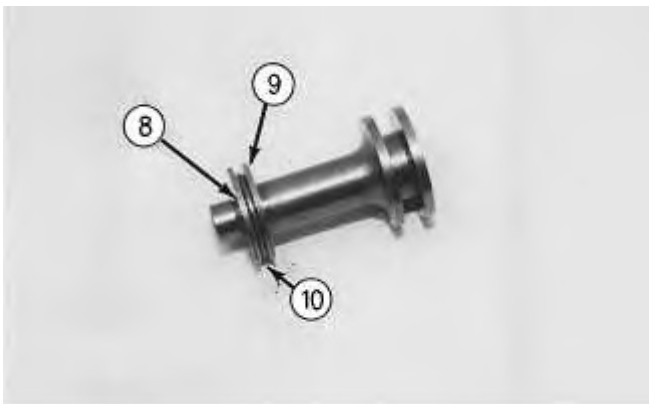


Illustration 5

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5. Install race (9), bearing (10) and race (9). Use Tool (A) in order to install ring (8) on riser (11) .
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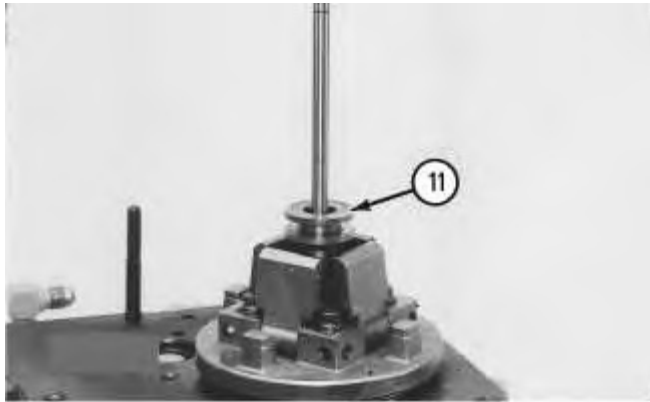


Illustration 6

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6. Install riser (11) .

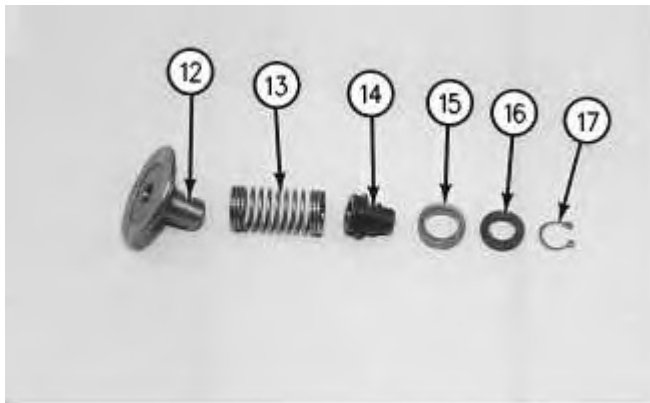


Illustration 7

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7. Assemble the dashpot, as follows:
  - a. Install spring (13) on seat (12) and install seat (14) in spring (13) .
  - b. Put spool (15) and ring (16) in position on seat (14) and use Tool (A) in order to install snap ring (17) .

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