



Service Repair Manual

Models

215C EXCAVATOR

Product: EXCAVATOR

Model: 215C EXCAVATOR 4HG

Configuration: 215C & 219 EXCAVATOR 4HG00001-UP (MACHINE) POWERED BY 3304 ENGINE

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

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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.

NOTICE

Keep all parts clean from contaminants.

Contaminants may cause rapid wear and shortened component life.

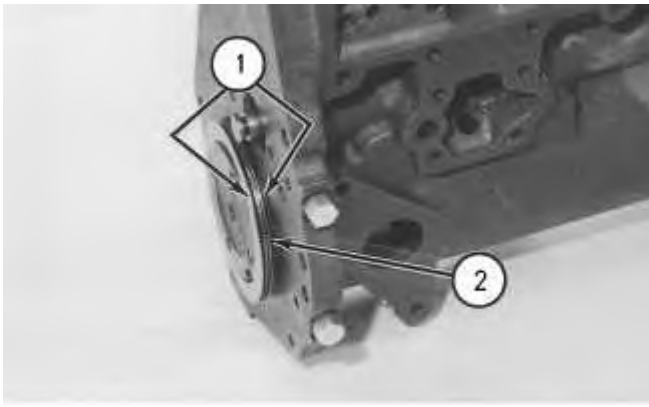


Illustration 1

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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.

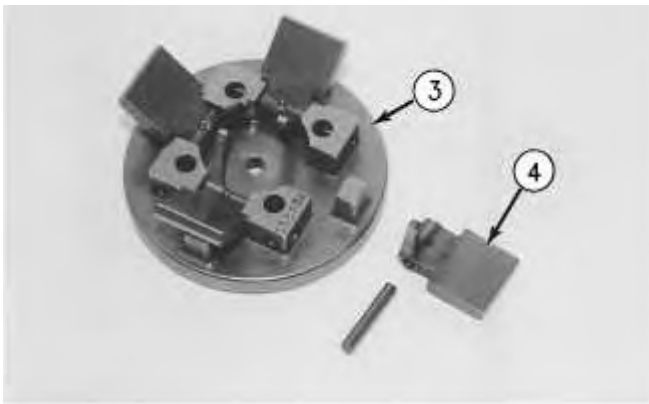


Illustration 2

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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.

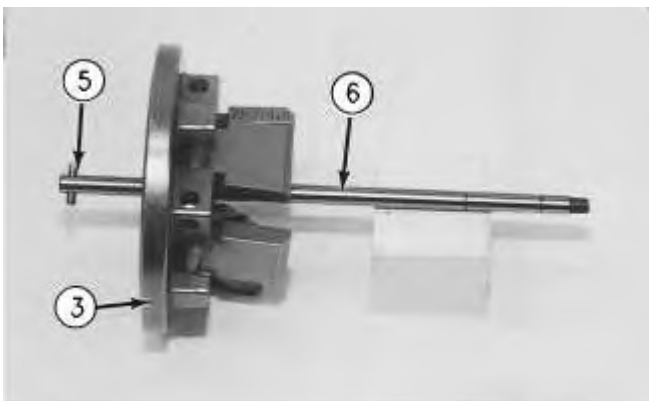


Illustration 3

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

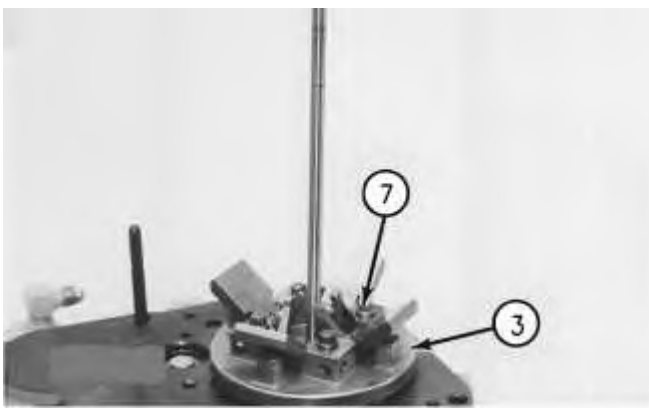


Illustration 4

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

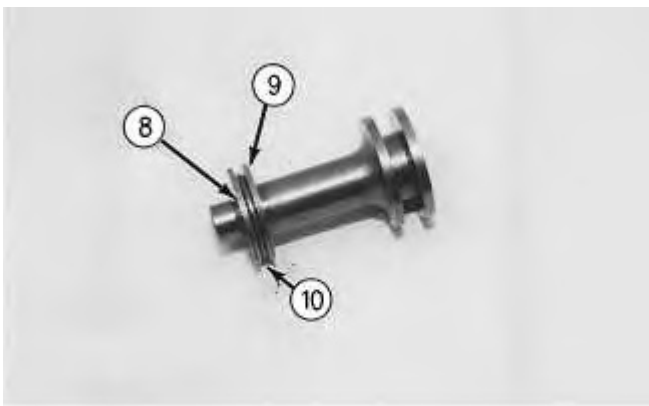


Illustration 5

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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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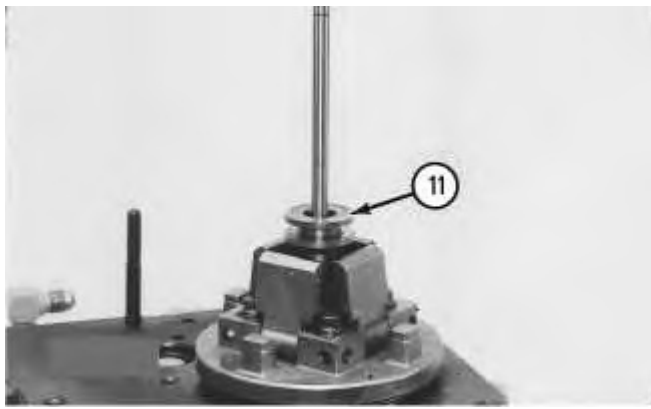


Illustration 6

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6. Install riser (11) .

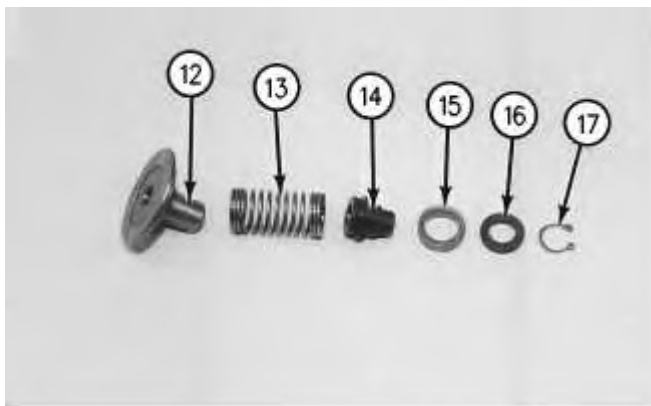


Illustration 7

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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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