



Service Repair Manual

Models

303E CR Mini
Hydraulic Excavator

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Product: MINI HYD EXCAVATOR

Model: 303E CR MINI HYD EXCAVATOR SMG

Configuration: 303E CR Mini Hydraulic Excavator SMG00001-UP (MACHINE) POWERED BY C1.3 Engine

Disassembly and Assembly C1.3 Engine for Caterpillar Built Machines

Media Number -UENR3292-03

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i05317149

Governor - Remove

SMCS - 1264-011

Removal Procedure

Table 1

Required Tools			
Tool	Part Number	Part Description	Qty
A	1P-1859	Retaining Ring Pliers	1

NOTICE

Keep all parts clean from contaminants.

Contaminants may cause rapid wear and shortened component life.



1. Before removing the governor assembly, align the timing marks on all gears on the front of the engine.

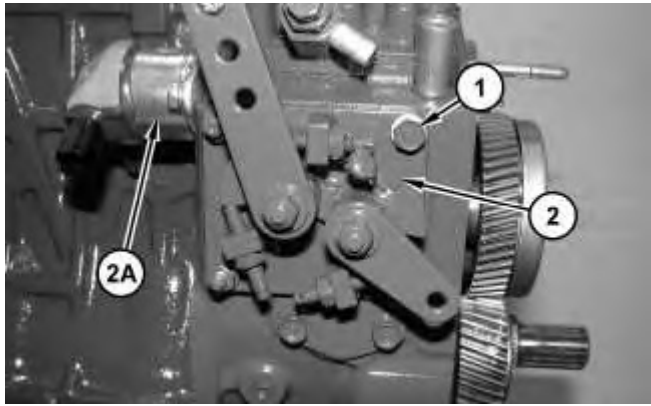


Illustration 2

1. Remove bolts (1) and speed control plate (2). Remove stop solenoid (2A).

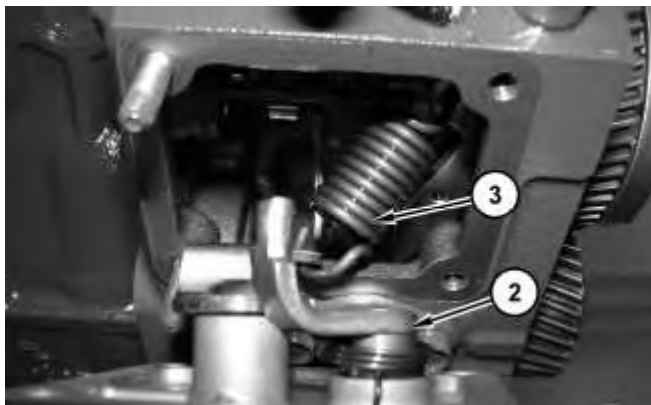
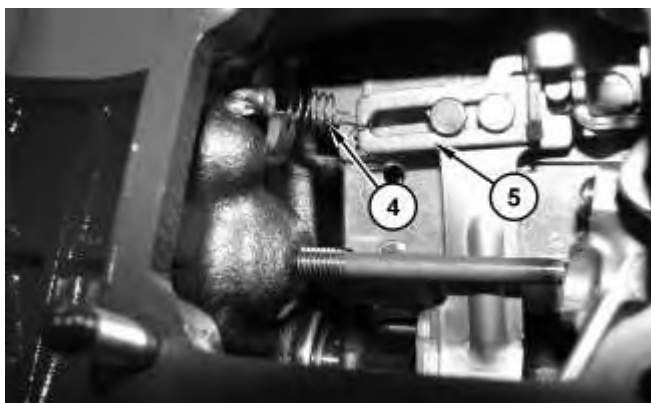


Illustration 3

2. Disconnect governor spring (3) from speed control plate (2). Remove governor spring (3).



3. Remove start spring (4) from thrust lever (5).

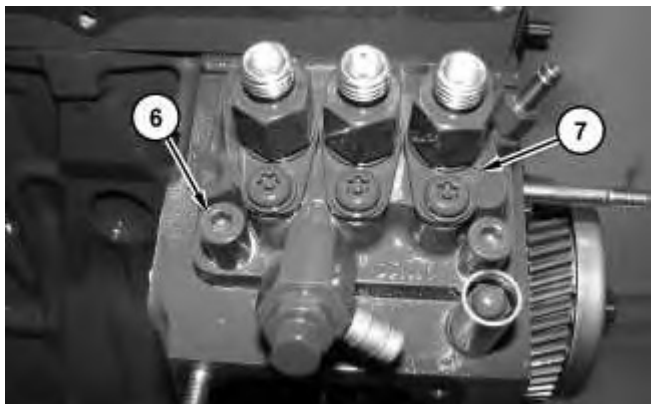


Illustration 5

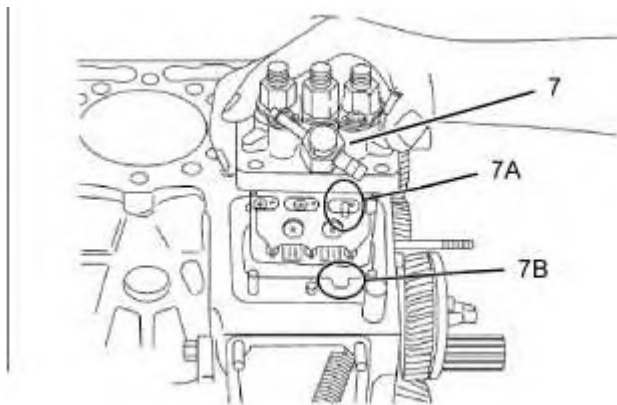


Illustration 6

4. Remove bolts (6) and injector pump (7). Align the control rack pin (7A) with the notch in the crankcase (7B).



Illustration 7

5. Remove plug (8).



Illustration 8

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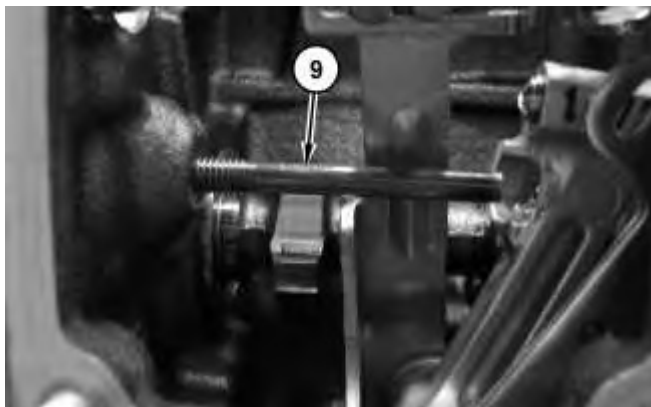


Illustration 9

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6. Measure the height of max torque limiter (8) from block and record for installation purposes. Remove max torque limiter (8).

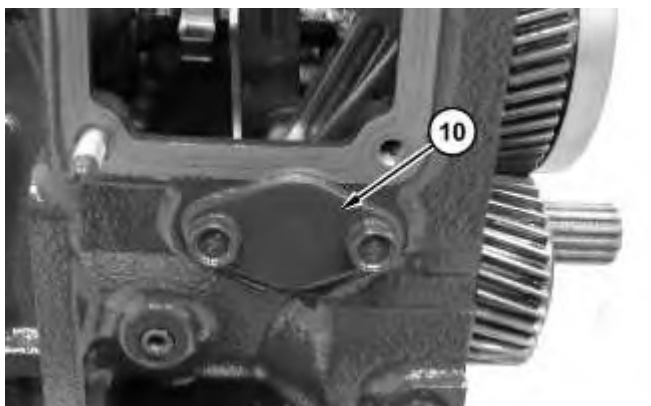


Illustration 10

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