CATERPILLAR®

Service Repair Manual

Models

130G MOTOR GRADER

Disassembly and Assembly

3304B and 3306B Engines for Caterpillar Built Machines

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i00886792

Governor - Disassemble

SMCS - 1264-015

Disassembly Procedure

Table 1

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

Start By:

A. Remove the fuel injection pump housing and the governor. Refer to Disassembly and Assembly, "Fuel Injection Pump Housing and Governor - Remove".

Note: To remove the governor for the disassembly of the fuel injection pump housing, perform Steps 1, 2, 16, 22, 24, 25, 26, 27, 30, 32 and 34.

NOTICE

Keep all parts clean from contaminants.

Contaminants may cause rapid wear and shortened component life.

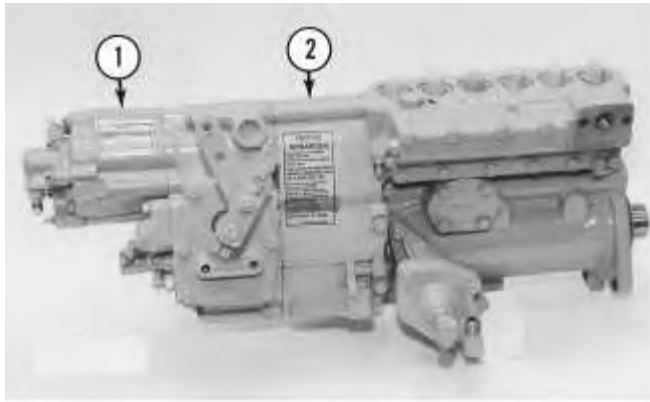Illustration 1   g00453006

1. Remove fuel ratio control (1) from governor (2) .
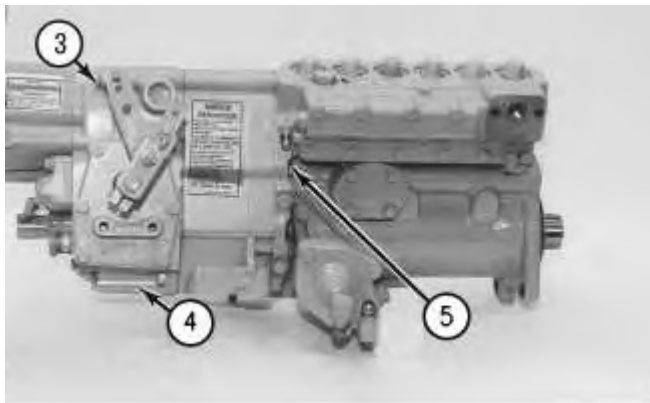

Illustration 2   g00453007

Note: Illustration 2 shows the fuel ratio control that is still connected.

2. Remove six bolts (3), two bolts (5), housing (4) and the gasket.

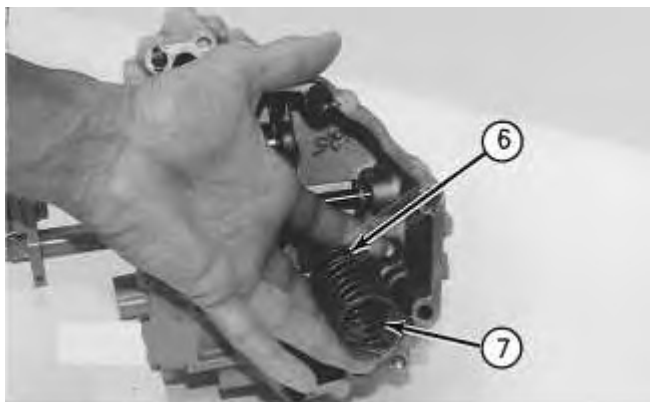Illustration 3   g00453008

3. Remove governor spring (7), seat (6) and the washers.

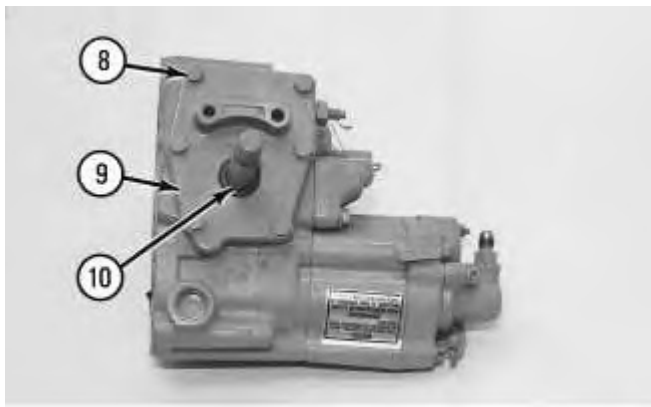Illustration 4   g00453009

4. Remove six bolts (8), cover (9) and the gasket. Use Tool (A) in order to remove seal (10) .
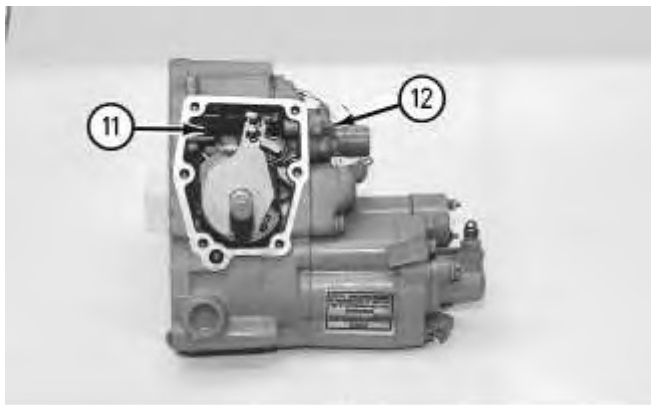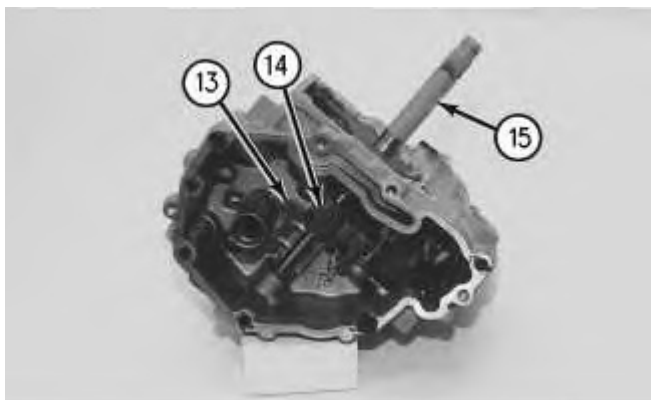
Illustration 5   g00453010

5. Remove low idle adjustment screw (12) and spring (11) .

Illustration 6   g00453011

6. Remove shaft assembly (15) and levers (14) and (13) .
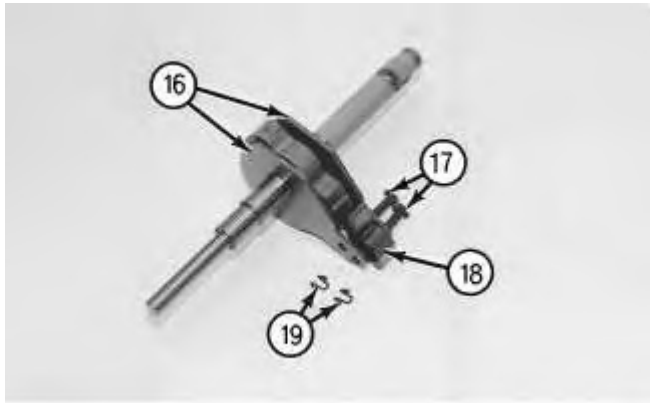

Illustration 7   g00453012

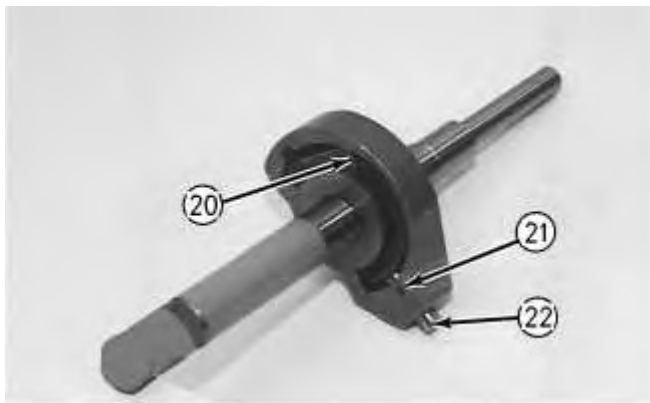7. Remove two snap rings (19) from two pins (17). Remove two pins (17). Remove plates (16) and stop (18) .

Illustration 8   g00453014

8. Remove pins (21) and (22) and remove spring (20) .

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