

Product: EXCAVATOR

Model: 350-A EXCAVATOR 3ML

Configuration: 350 & 350 L Excavators 3ML00001-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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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.

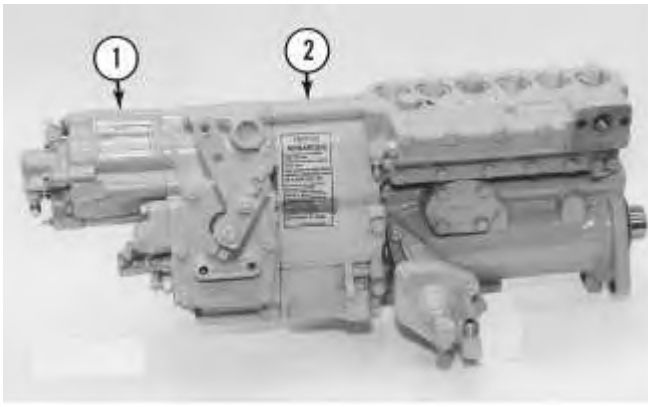


Illustration 1

g00453006

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

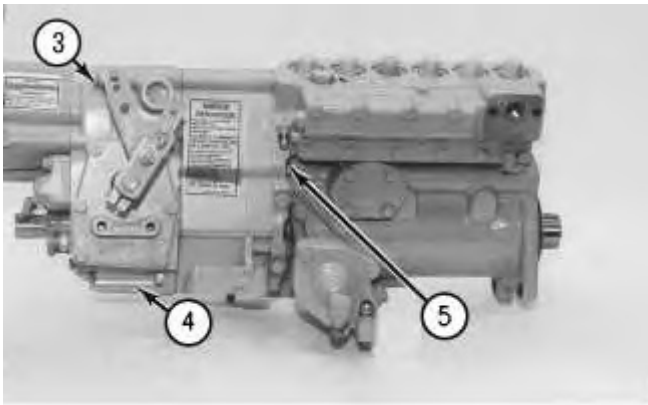


Illustration 2

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.

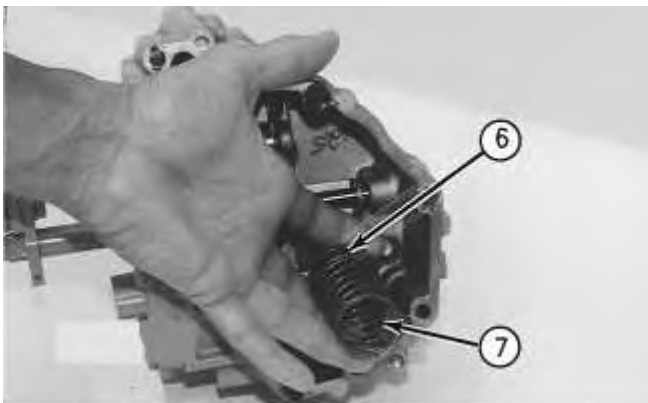


Illustration 3

g00453008

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

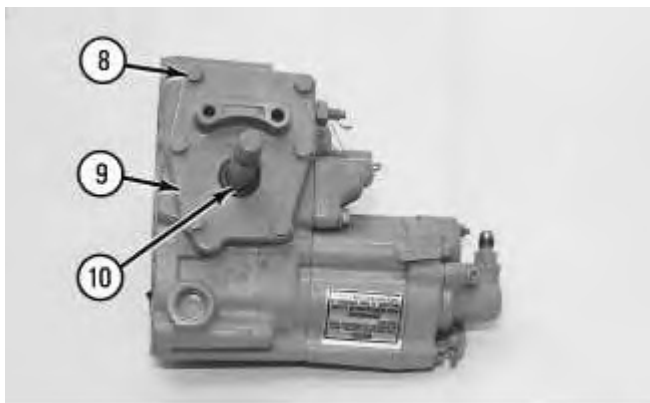


Illustration 4

g00453009

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

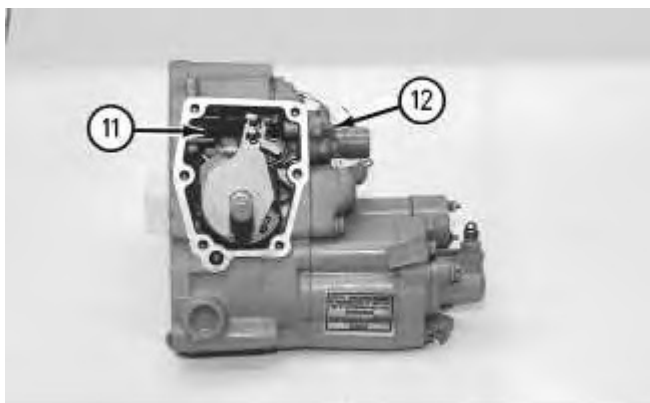
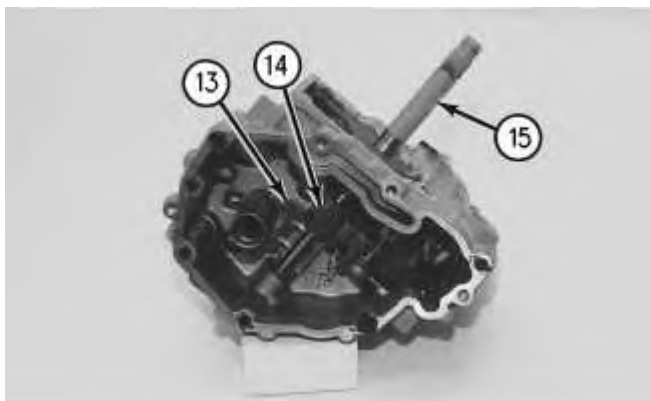


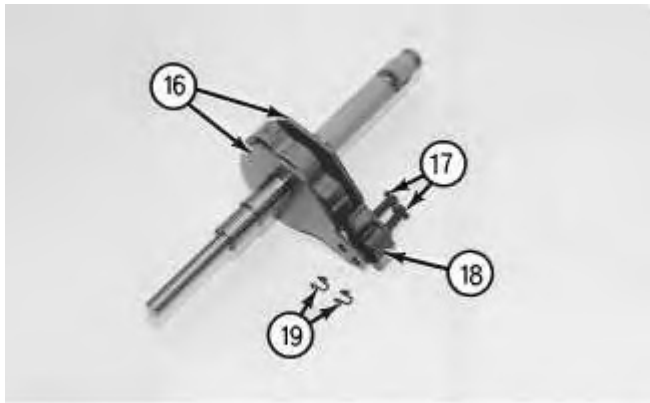
Illustration 5

g00453010

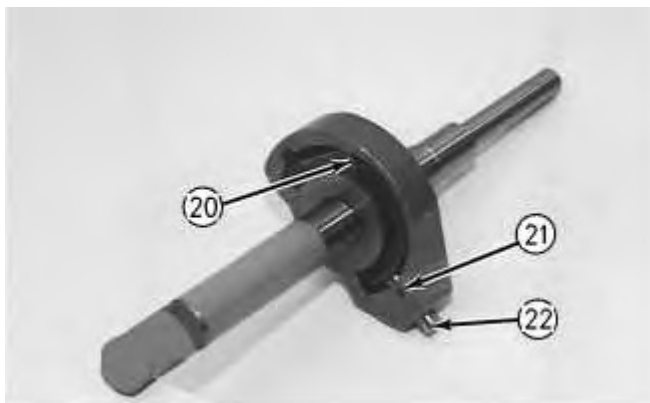
5. Remove low idle adjustment screw (12) and spring (11) .



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



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



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

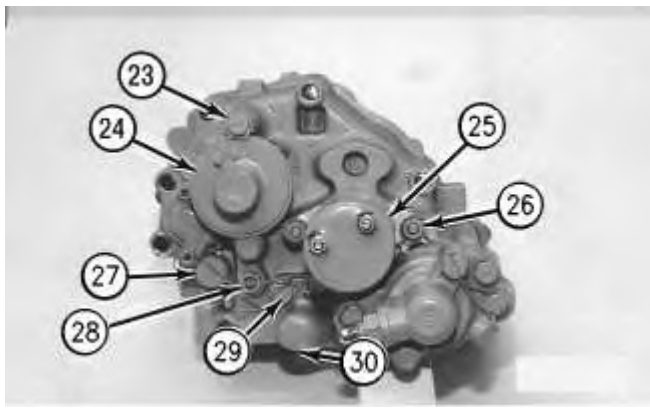


Illustration 9

g00453015

9. Remove two bolts (23), and the washers, and remove adapter (24), the coupling, and the O-ring seal.
10. Remove contact (27) and body (28) with an O-ring seal.
11. Remove two bolts (29) and the washers and remove cover (30) and the gasket.
12. Remove two nuts and washers (26) and remove shutoff solenoid (25) and the gasket.

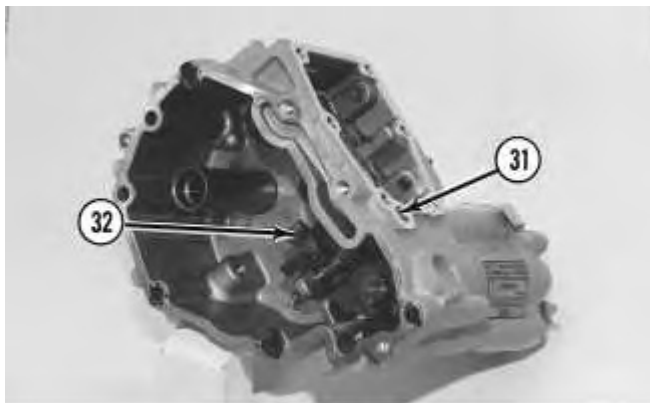


Illustration 10

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13. Remove shaft (31) and lever (32) .
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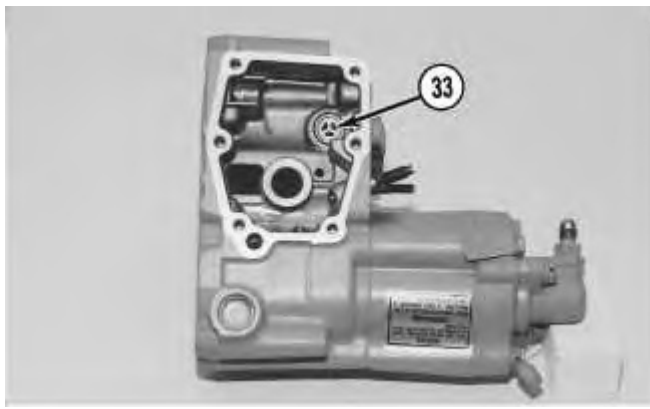


Illustration 11

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Note: The check valve will be damaged during removal. Remove check valve (33) only if a replacement is necessary.

14. Remove check valve (33) only if a replacement is necessary.

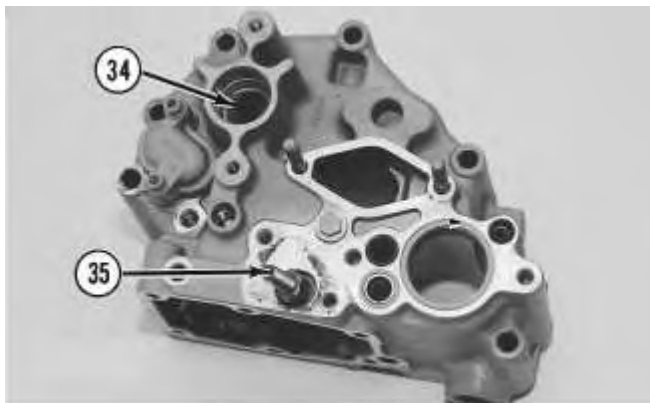
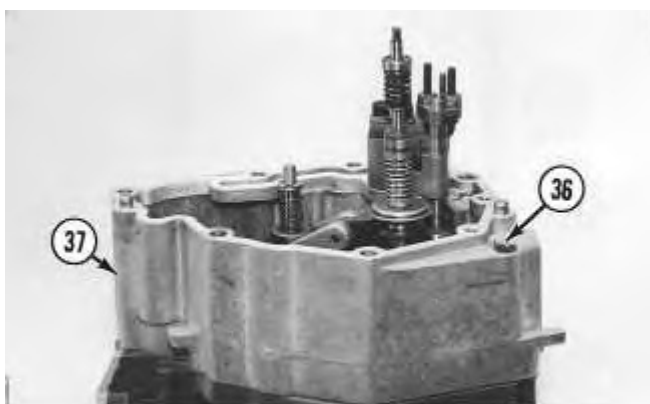


Illustration 12

g00453018

15. Remove seal (34) and adjustment screw (35) .



16. Remove bolt (36), housing (37) and the gasket from the fuel injection pump housing.

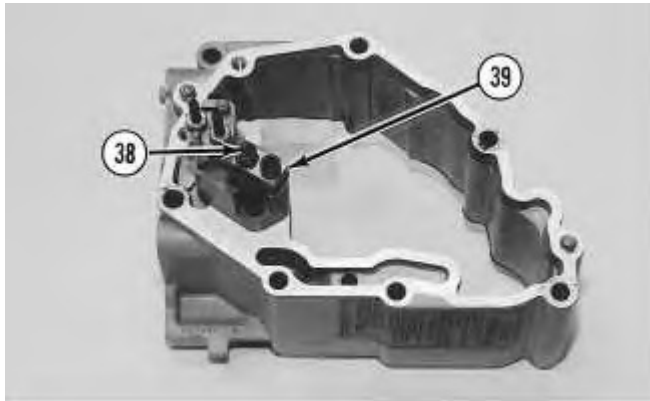


Illustration 14

g00453557

Typical example

17. Remove bolts (38) and remove torque control (39) .
18. Disassemble torque control (39) and inspect the spacer, the spring, and the insulator for damage or wear. Replace parts that are worn or damaged with new parts.

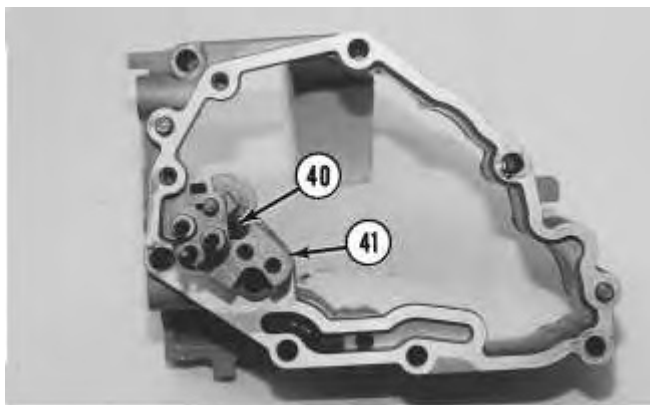


Illustration 15

g00453558

19. Remove two bolts (40) and block (41) .
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