

Product: COMPACTOR

Model: CB-34B COMPACTOR 423

Configuration: CB34B Compactor 42300001-UP (MACHINE) POWERED BY C2.2 Engine

Disassembly and Assembly

CB34B, CB34B XW, CC34B and CB36B Vibratory Utility Compactors Machine Systems

Media Number -UENR3270-03

Publication Date -01/11/2013

Date Updated -29/03/2017

i06903203

Piston Pump (Propel) - Disassemble

SMCS - 5070-015

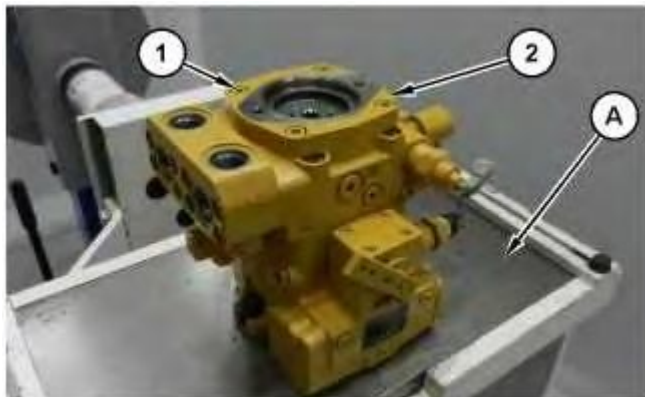
Disassembly Procedure

Table 1

Required Tools			
Tool	Part Number	Part Description	Qty
A	437-3776	Fixture As.	1
	1U-5750	Engine Stand	1
	1U-9127	Adapter Plate	1
B	1P-0510	Driver Gp	1

Start By:

- a. Remove the piston pump.



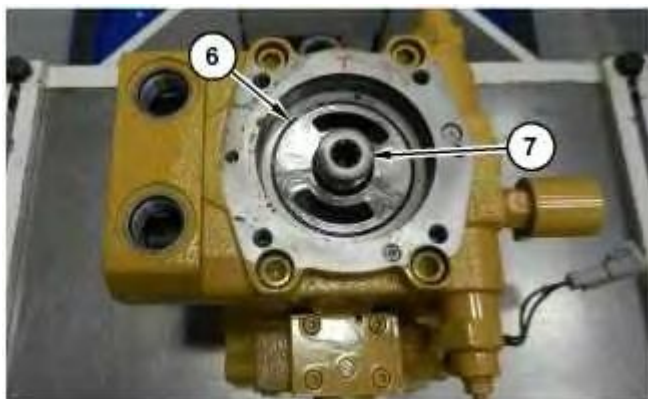
1. Attach the piston pump to Tooling (A) or a suitable fixture.
2. Remove bolts (1) and flange (2).



3. Remove O-ring seal (3) and cover (4).



4. Remove plate (5).



5. Remove O-ring seal (6) and coupler (7).

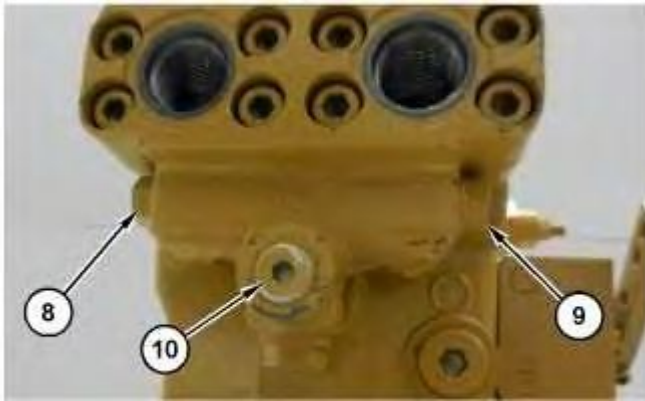


Illustration 5



Personal injury can result from being struck by parts propelled by a released spring force.

Make sure to wear all necessary protective equipment.

Follow the recommended procedure and use all recommended tooling to release the spring force.

6. Remove plugs (8) and (9). Remove plug (10) and the O-ring seal.

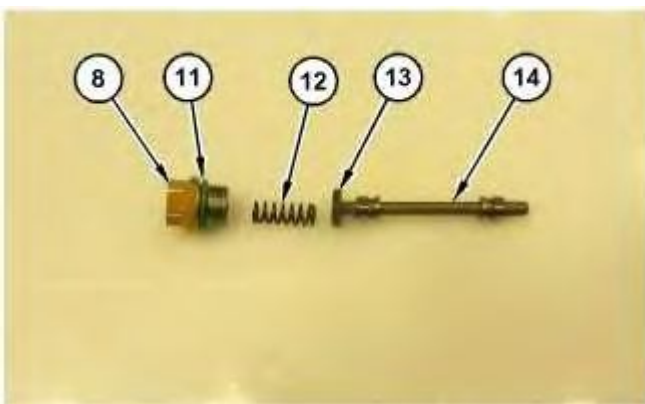


Illustration 6

7. Remove O-ring seal (11), spring (12), retainer (13), and spool (14) from plug (8).

! WARNING

Personal injury can result from being struck by parts propelled by a released spring force.

Make sure to wear all necessary protective equipment.

Follow the recommended procedure and use all recommended tooling to release the spring force.

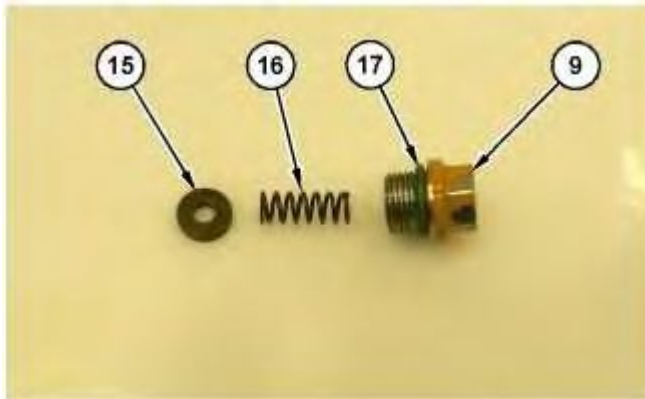


Illustration 7

g06162091

! WARNING

Personal injury can result from being struck by parts propelled by a released spring force.

Make sure to wear all necessary protective equipment.

Follow the recommended procedure and use all recommended tooling to release the spring force.

8. Remove retainer (15), spring (16), and O-ring seal (17) from plug (9).
-

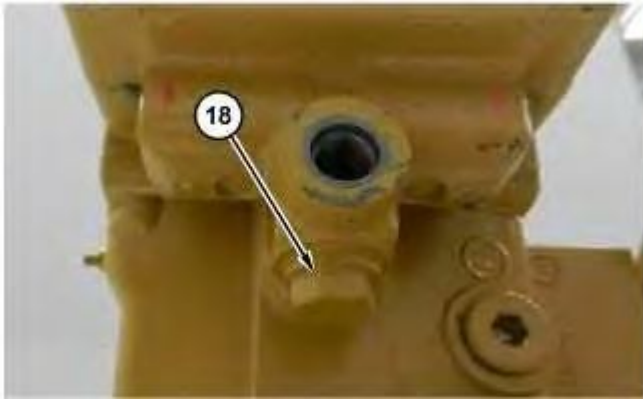


Illustration 8

g06162106

 **WARNING**

Personal injury can result from being struck by parts propelled by a released spring force.

Make sure to wear all necessary protective equipment.

Follow the recommended procedure and use all recommended tooling to release the spring force.

9. Remove plug (18).

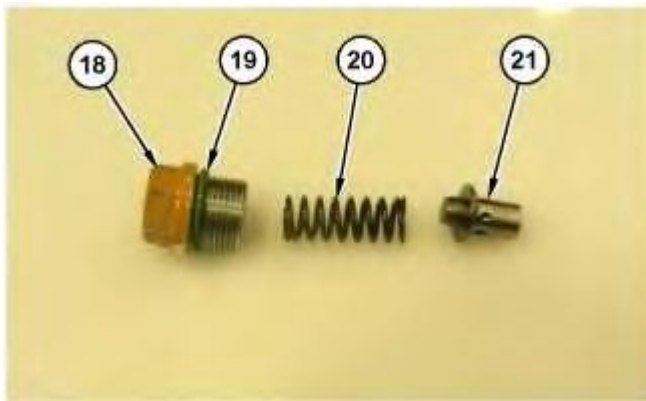


Illustration 9

g06162254

10. Remove O-ring seal (19), spring (20), and orifice (21) from plug (18).



Illustration 10

g06162256

11. Remove plug (22) and the O-ring seal.



Illustration 11

g06162278

12. Remove bolts (23), manifold (24), and the O-ring seals.

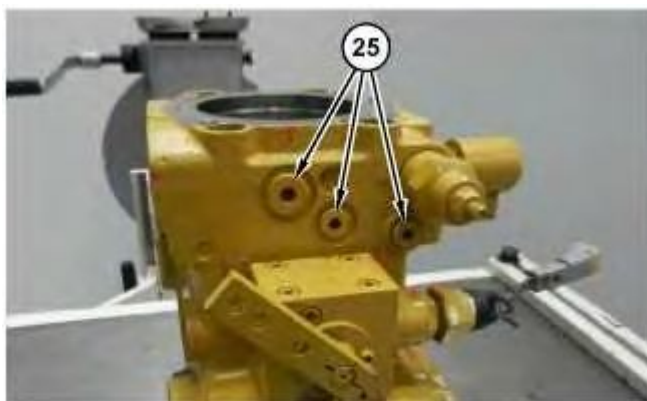


Illustration 12

g06162283

13. Remove plugs (25) and the O-ring seals .
-



Illustration 13

g06162292

! WARNING

Personal injury can result from being struck by parts propelled by a released spring force.

Make sure to wear all necessary protective equipment.

Follow the recommended procedure and use all recommended tooling to release the spring force.

14. Remove plug (26).



Illustration 14

g06162304

15. Remove back up ring (27), O-ring seal (28), spring (29), and valve assembly (30) from plug (26). Repeat for opposite side.

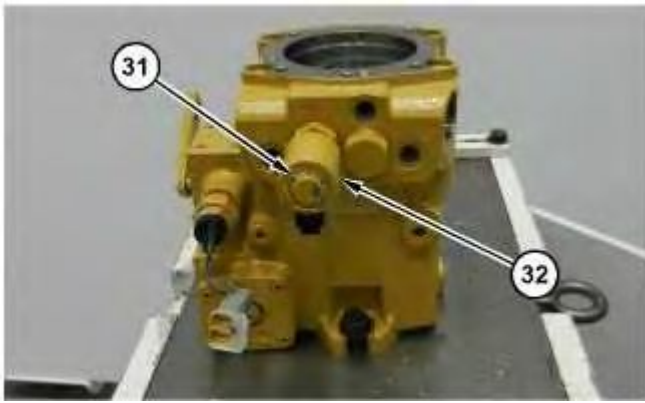


Illustration 15

g06162310

16. Remove nut (31) and solenoid (32).



Illustration 16

g06162319

17. Remove Cartridge assembly (33).



Illustration 17

g06162331

18. Remove O-ring seal (34) from cartridge (33).



Illustration 18

g06162337

! WARNING

Personal injury can result from being struck by parts propelled by a released spring force.

Make sure to wear all necessary protective equipment.

Follow the recommended procedure and use all recommended tooling to release the spring force.

19. Remove valve (35).

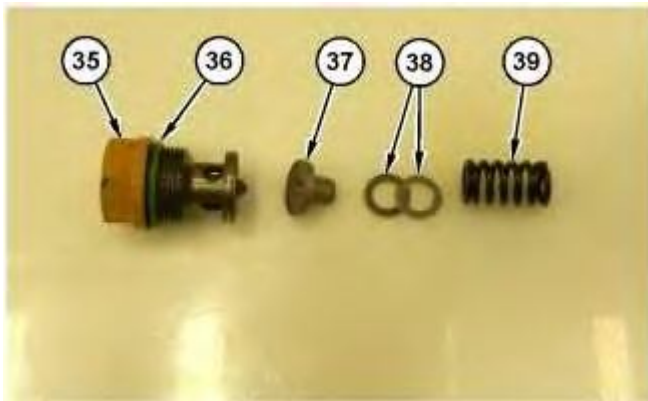


Illustration 19

g06162372

20. Remove O-ring seal (36), guide (37), shims (38), and spring (39) from valve (35).



Illustration 20

g06162378

21. Remove bolts (40) and head assembly (41).

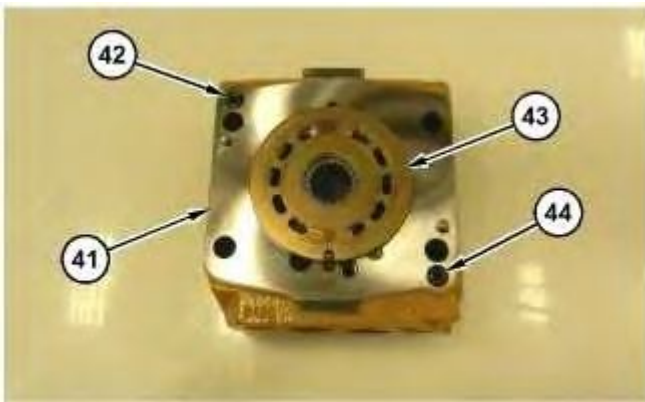


Illustration 21

g06162399

22. Remove O-ring seals (42) and (44) from head assembly (41). Remove port plate (43) from head assembly (41).

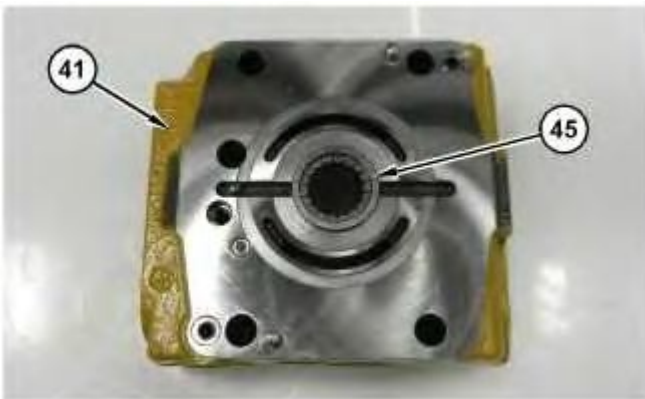


Illustration 22

g06162415

23. Remove bearing (45) from head assembly (41).

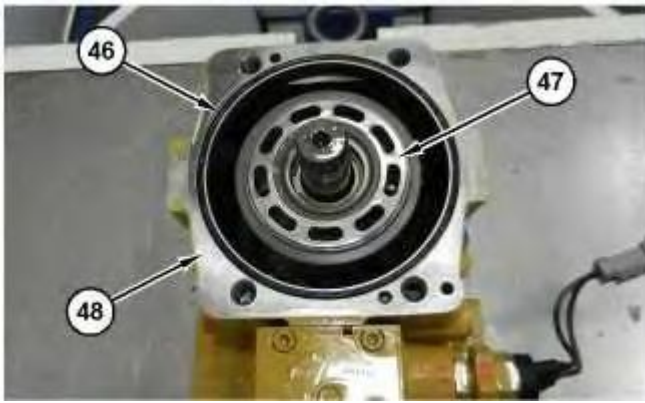


Illustration 23

g06162422

24. Remove O-ring seal (46) from pump housing (48). Use Tooling (A) to rotate pump housing (48) to a horizontal position. Remove rotary group (47) from pump housing (48).



Illustration 24

g06162436

25. Remove piston assemblies (49) and retainer plate (50) from barrel assembly (51).

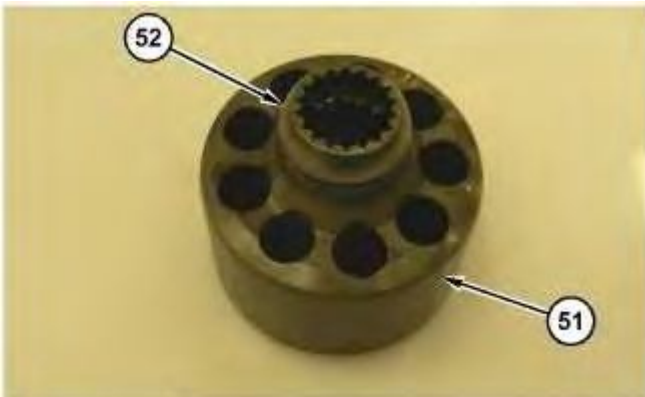


Illustration 25

g06162488

26. Remove bearing (52) from barrel assembly (51).

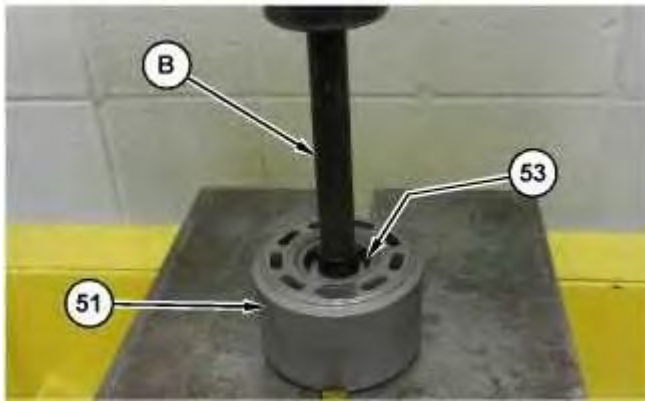


Illustration 26

g06164914

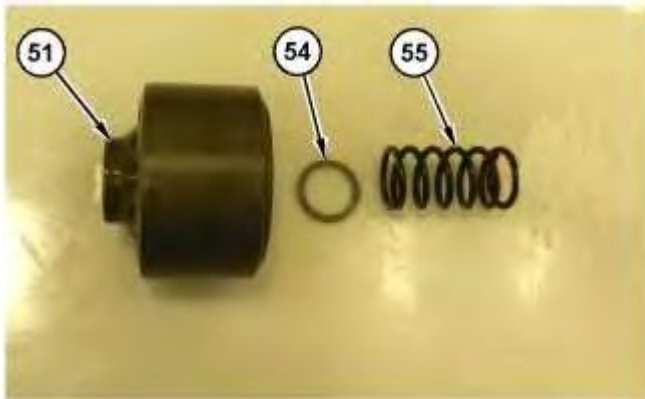


Illustration 27

g06164920

 **WARNING**

Personal injury can result from being struck by parts propelled by a released spring force.

Make sure to wear all necessary protective equipment.

Follow the recommended procedure and use all recommended tooling to release the spring force.

-
27. Use Tooling (B) and a suitable press to compress spring (55). Remove retaining ring (53).
 28. Remove spring (55) and washer (54) from barrel assembly (51).
-



Illustration 28

g06164925

29. Remove pins (56) from barrel assembly (51).

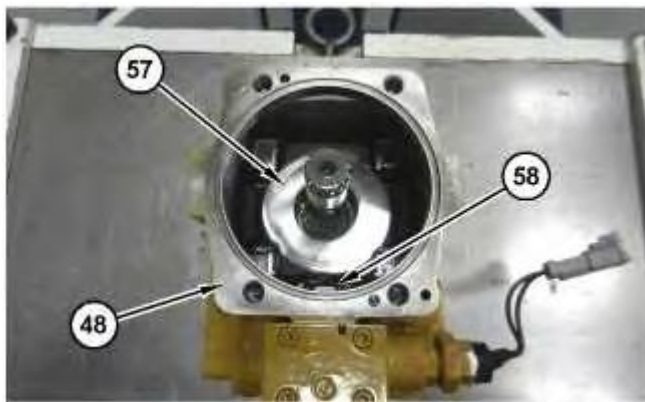


Illustration 29

g06162527

Note: Note the orientation of slide (58) for assembly purposes.

30. Remove swashplate assembly (57) from pump housing (48).

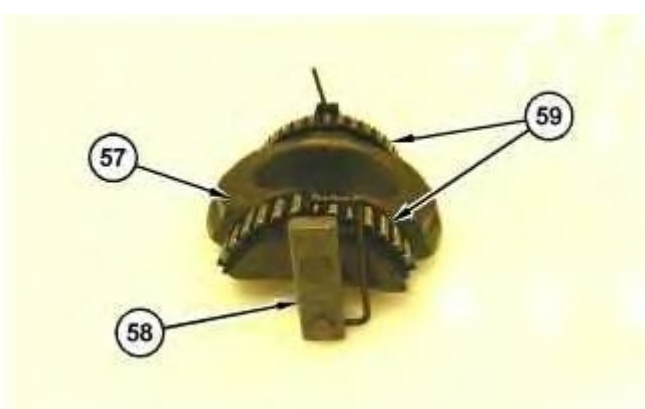


Illustration 30

g06162536

31. Remove slide (58) and bearing assemblies (59) from swashplate assembly (57).

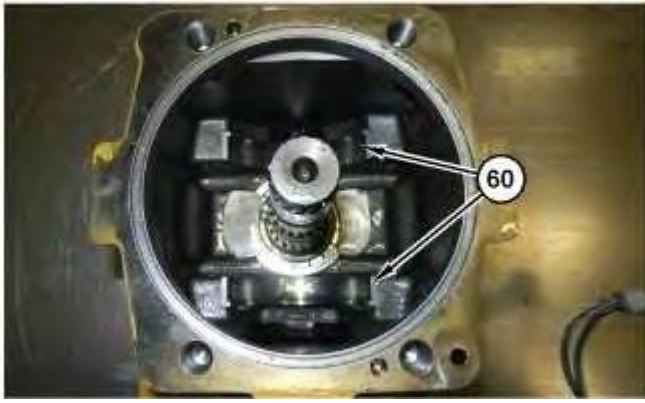


Illustration 31

g06162545

32. Remove bearings (60).

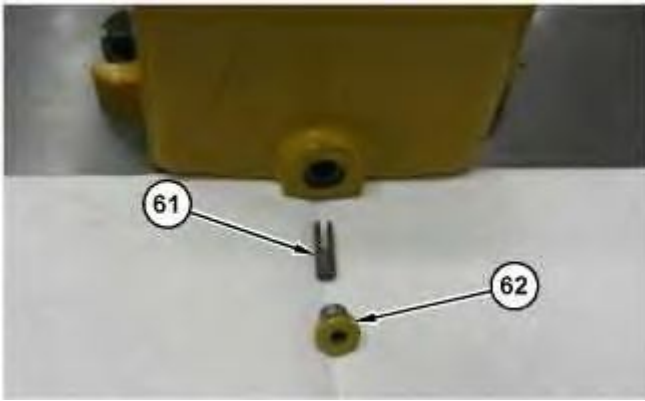


Illustration 32

g06162560

33. Remove plug (62), the O-ring seal, and retainer (61).

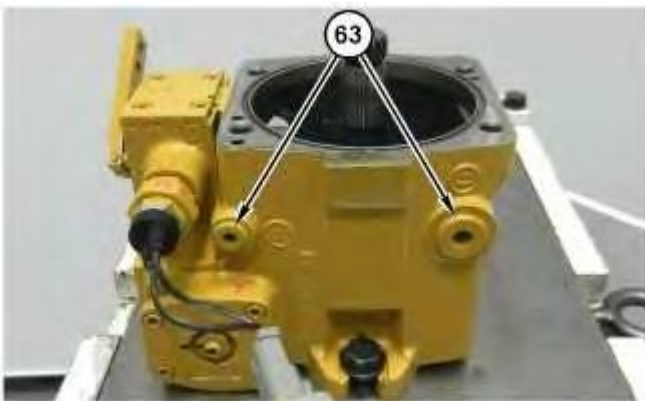


Illustration 33

g06162567

34. Remove plugs (63) and the O-ring seals.



Illustration 34

g06162802

35. Remove switch assembly (64).

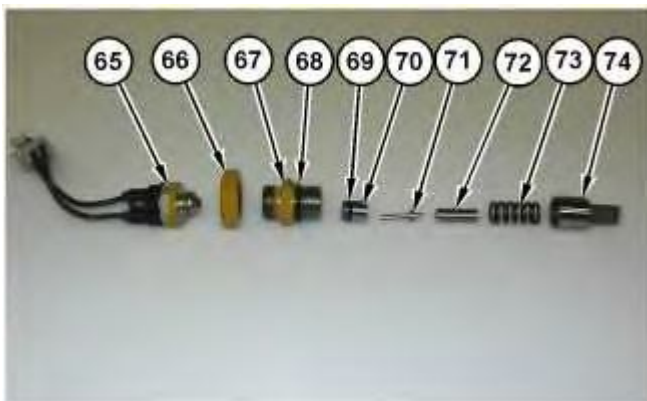


Illustration 35

g06162949

36. Remove nut (66), fitting (67), O-ring seal (68), O-ring seals (69), guide (70), retainer (71), rod (72), spring (73), and retainer (74) from switch (65).

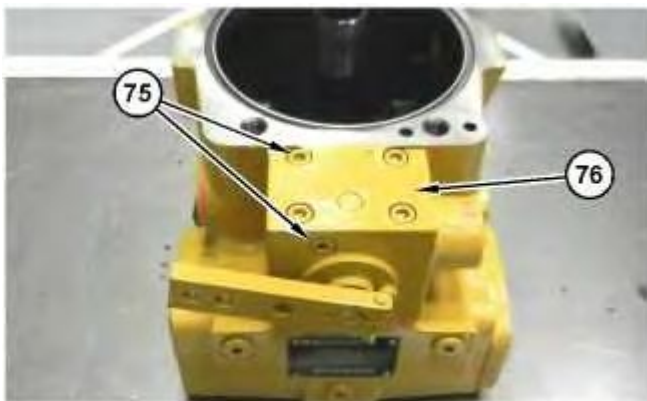


Illustration 36

g06162961

37. Remove bolts (75), valve group (76), the O-ring seals, and the gasket.

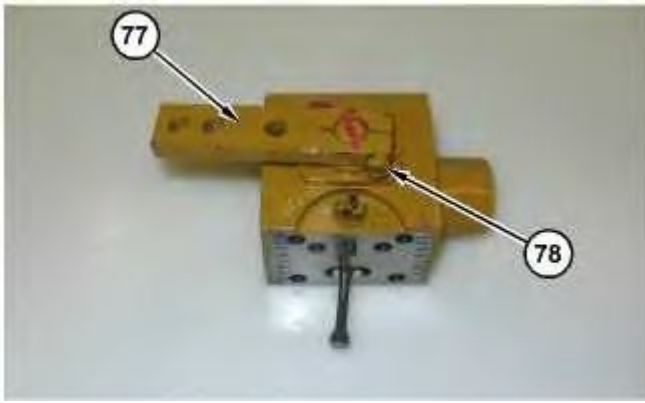


Illustration 37

g06162969

38. Remove bolt (78) and arm (77).

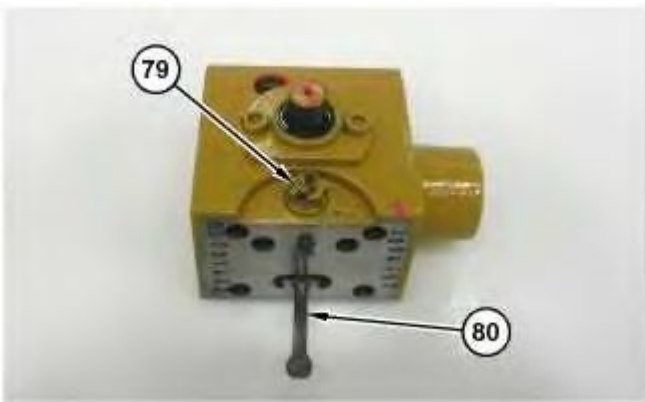


Illustration 38

g06162971

39. Remove eccentric pin (79) and reaction arm (80).

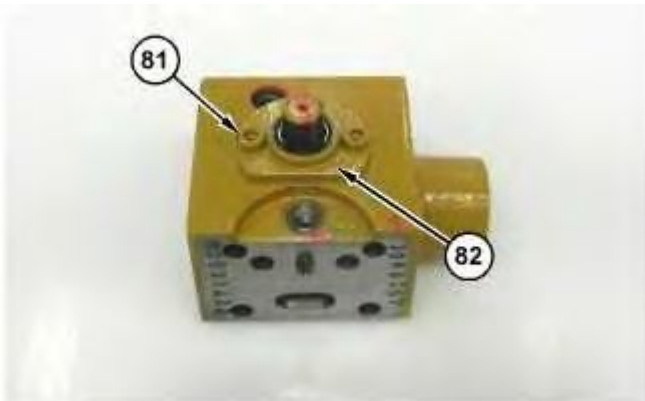


Illustration 39

g06162976

40. Remove bolts (81) and cover (82).

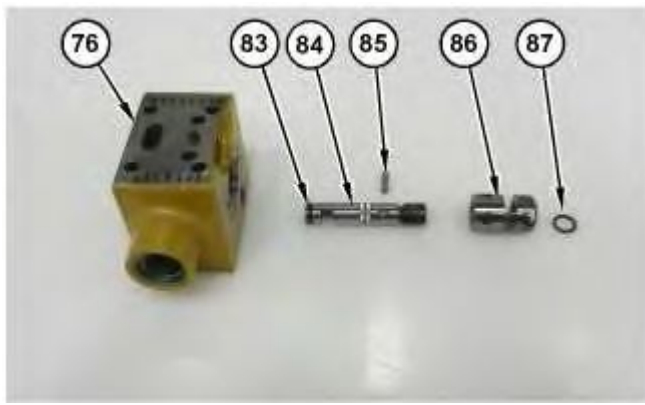


Illustration 40

g06162983

41. Remove O-ring seal (87), guide (86), pin (85), shaft (84), and O-ring seal (83) from valve group (76).

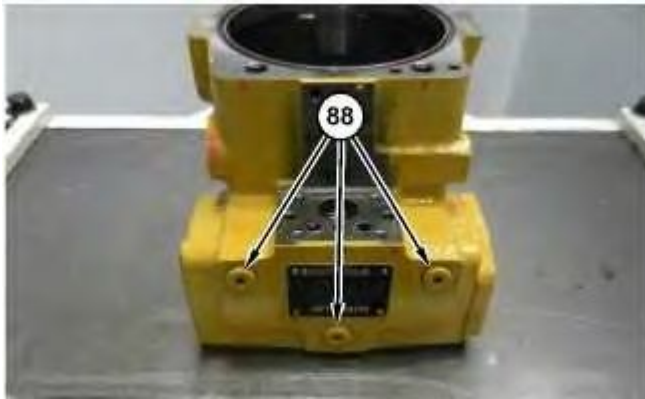


Illustration 41

g06163249

42. Remove plugs (88) and the O-ring seals.

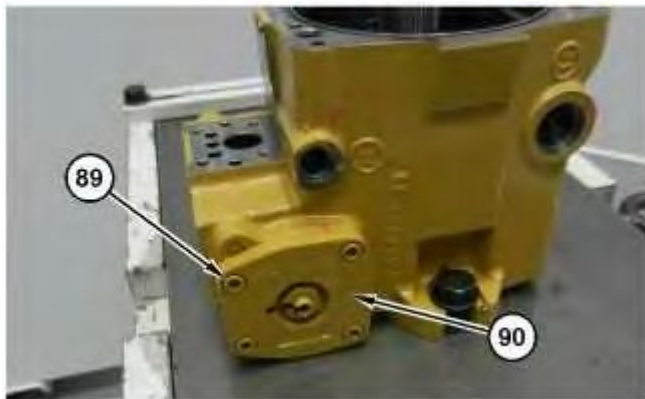


Illustration 42

g06163279

43. Remove bolts (89), cartridge group (90), and the O-ring seal.

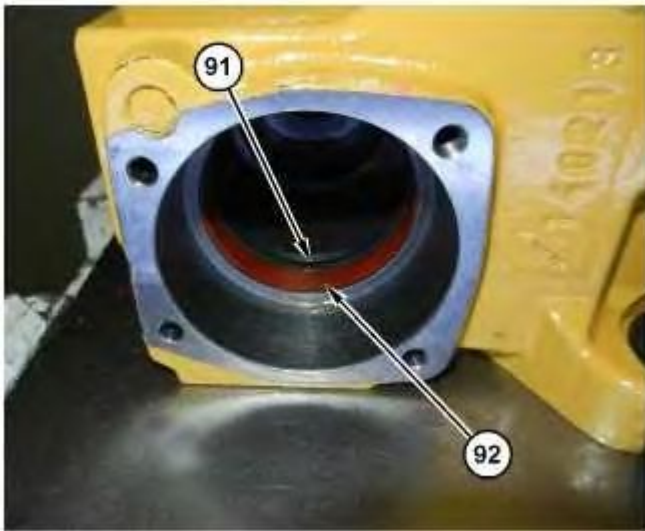


Illustration 43

g06163288

44. Remove bushings (92) and rings (91).

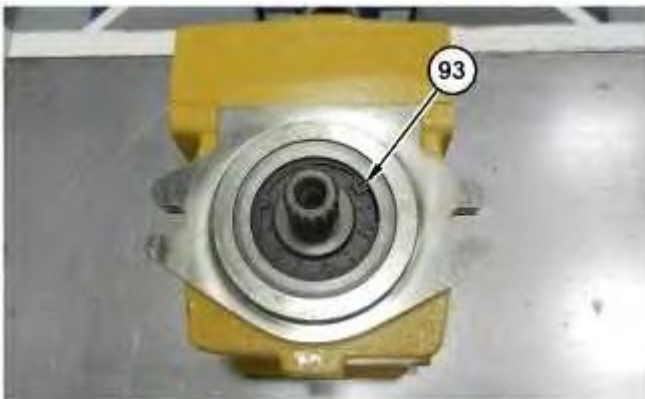


Illustration 44

g06163294

45. Remove retaining ring (93).

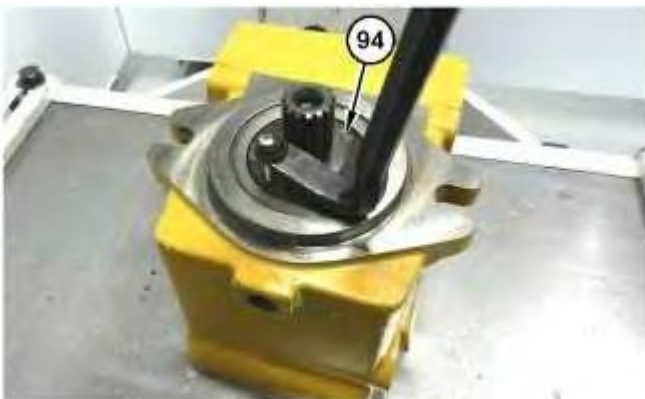


Illustration 45

g06163299

46. Use a suitable screw and prybar to remove lip seal (94).

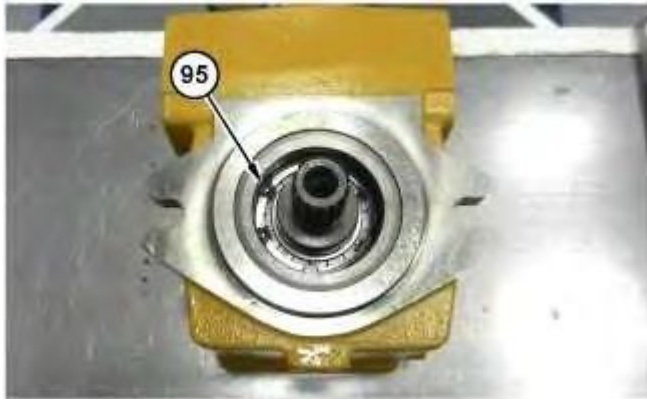


Illustration 46

g06163306

47. Remove retaining ring (95).



Illustration 47

g06163313

48. Use a soft faced hammer to remove shaft assembly (96).



Illustration 48

g06163320

49. Remove retaining ring (97). Use a suitable press to remove bearing (98) from shaft assembly (96).

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