

Product: TRACK-TYPE TRACTOR

Model: D5R2 TRACK-TYPE TRACTOR WRE

Configuration: D5R2 XL, LGP Track-Type Tractor WRE00001-UP (MACHINE) POWERED BY C7.1 Engine

Disassembly and Assembly D5R and D6N Track-Type Tractor Machine Systems

Media Number -M0071172-01

Publication Date -01/09/2015

Date Updated -10/07/2017

i06683286

Piston Pump (Steering) - Disassemble

SMCS - 4306-015-QP; 4306-015; 5070-015-ZH; 5070-015

Disassembly Procedure

Table 1

Required Tools			
Tool	Part Number	Part Description	Qty
A	147-3497	Ring	1

Start By:

- a. Remove the piston pump (steering).

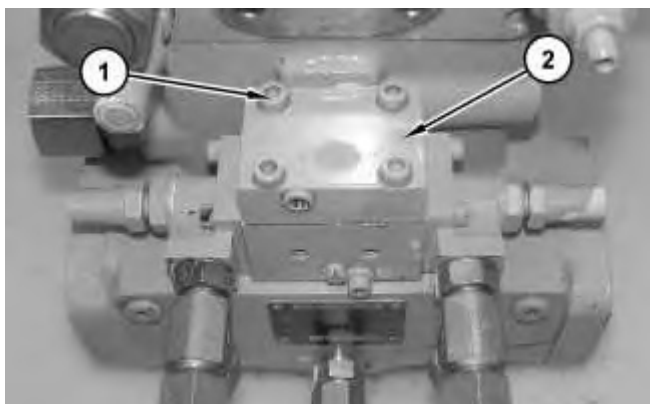


Illustration 1

g01226003

1. Remove bolts (1) and cover (2).

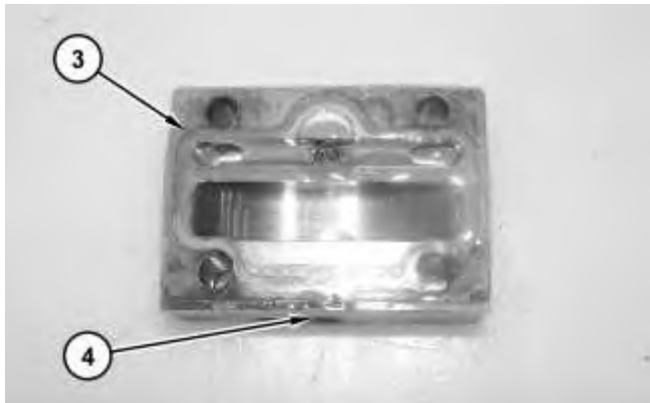


Illustration 2

g01226005

2. Remove gasket (3) and O-ring seal (4).

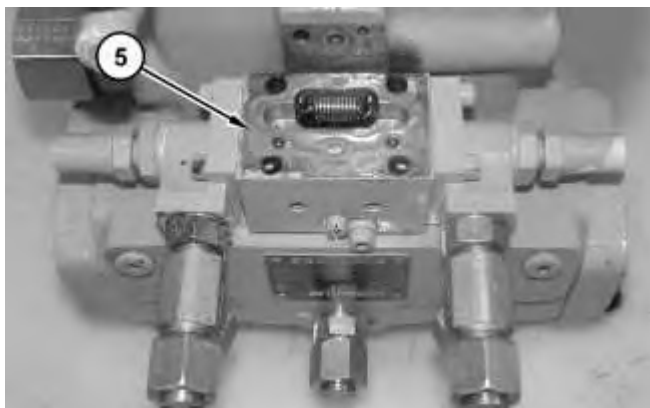


Illustration 3

g01226006

3. Remove valve assembly (5).



Illustration 4

g01226007

4. Remove gasket (6).

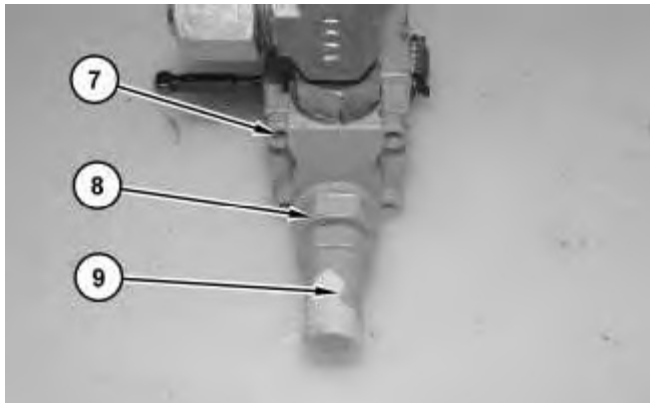


Illustration 5

g01226008

5. Remove cap (9), bolts (7), and valve (8).

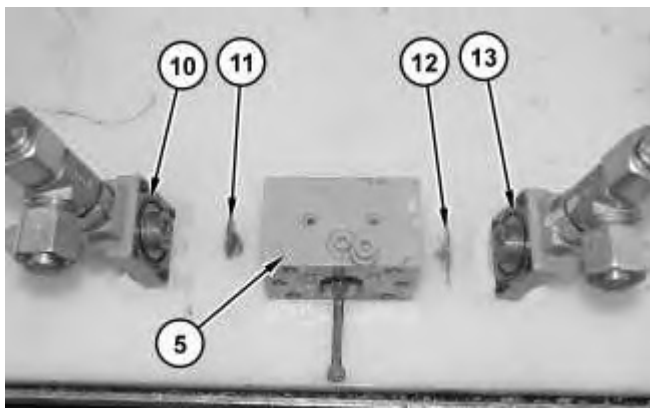


Illustration 6

g01226009

6. Remove O-ring seal (10), spring (11), O-ring seal (13), and spring (12), from valve assembly (5).

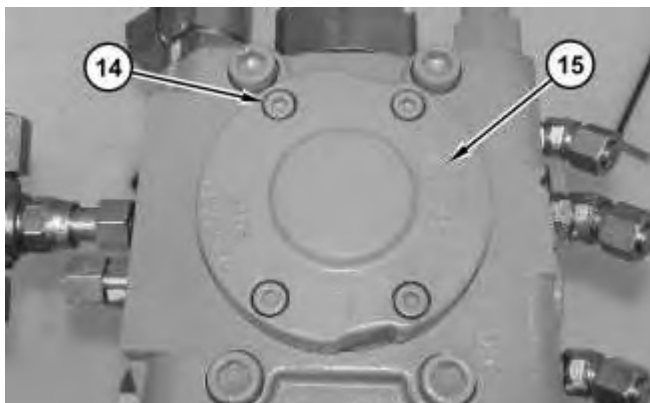


Illustration 7

g01226010

7. Remove bolts (14) and pump (15).

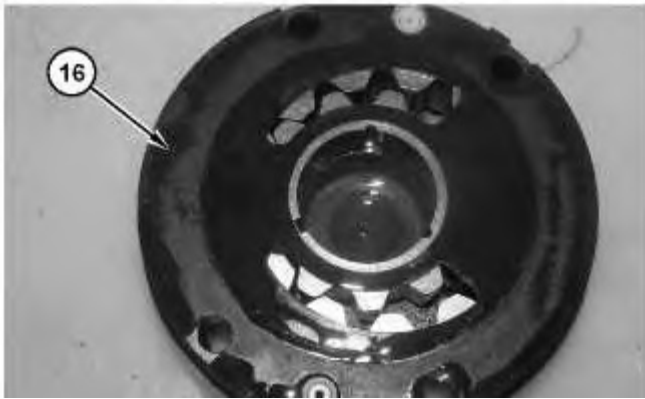


Illustration 8

g06073965

8. Remove gasket (16).

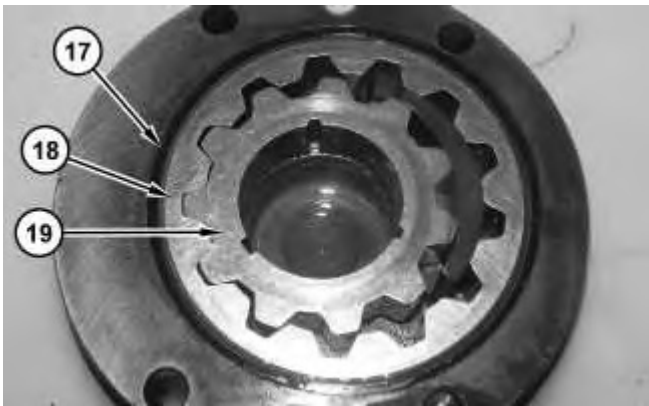


Illustration 9

g01226013

9. Remove O-ring seal (17), gear (19), and ring (18).

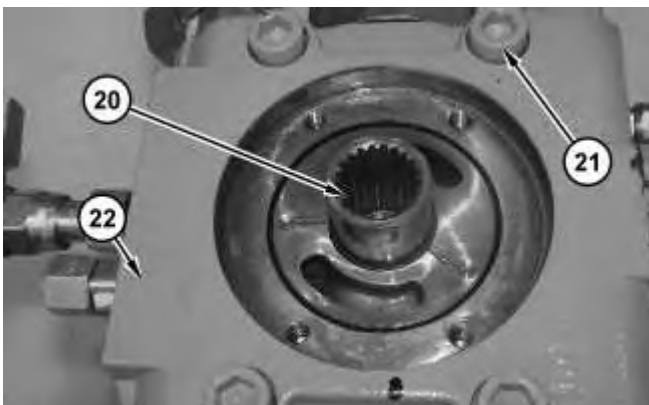


Illustration 10

g01226014

10. Remove coupling (20), bolts (21), and head (22).

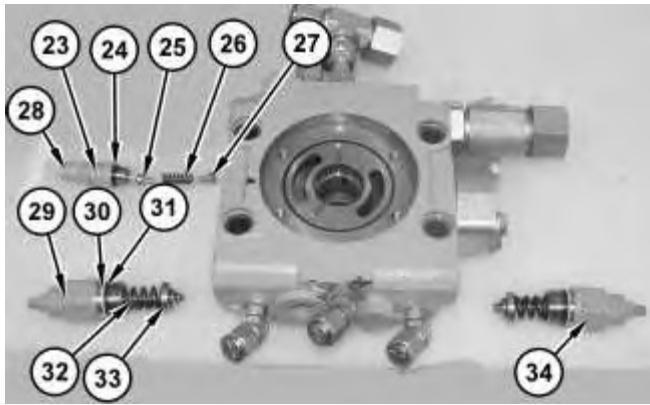


Illustration 11

g01226301

! WARNING

Improper assembly of parts that are spring loaded can cause bodily injury.

To prevent possible injury, follow the established assembly procedure and wear protective equipment.

11. Remove cap (28), valve (23), O-ring seal (24), retainer (25), spring (26), and retainer (27).
12. Remove valve (29), O-ring seal (31), backup ring (30), retainer (33), and spring (32).
13. Repeat step 12p for valve (34).

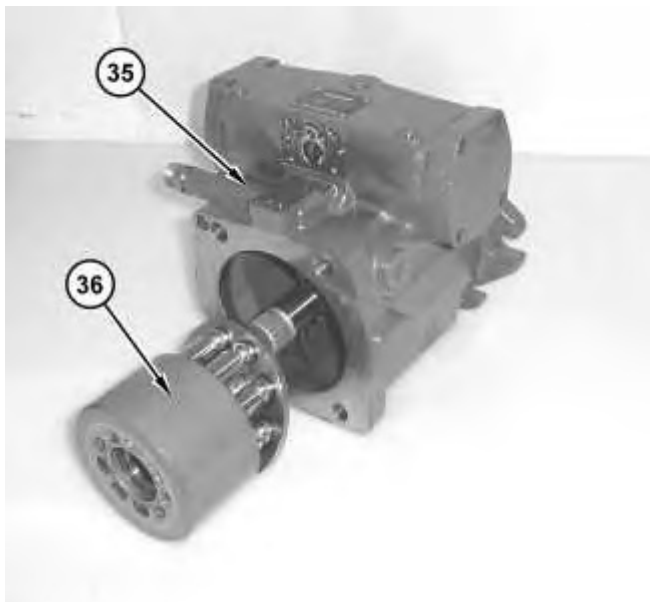


Illustration 12

g01226066

14. Remove rotating group (36) from housing (35).

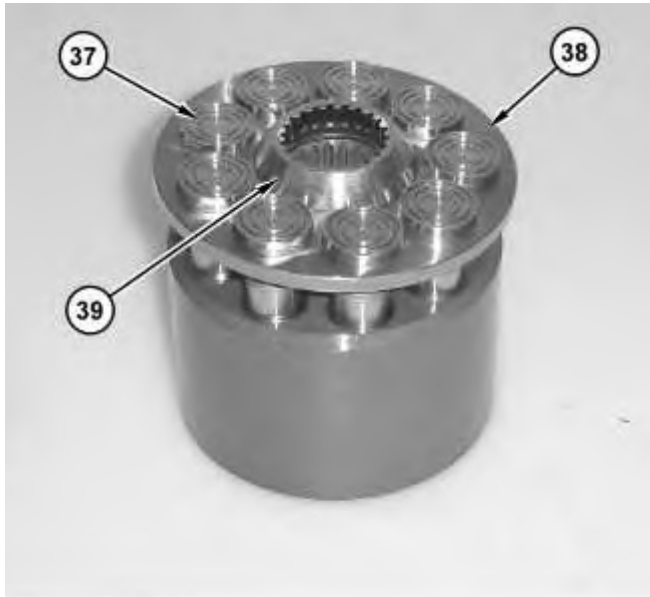


Illustration 13

g01226064

15. Remove pistons (37), retainer (38), and bearing (39).

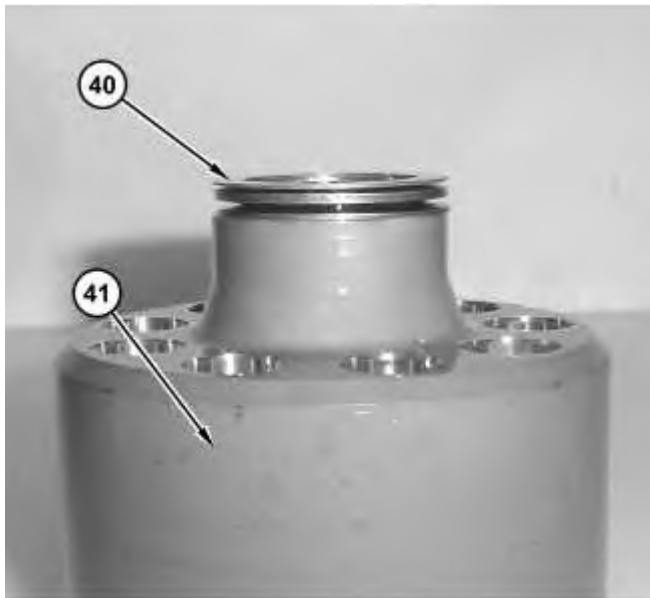


Illustration 14

g01226063

16. Remove shims (40) from barrel assembly (41).

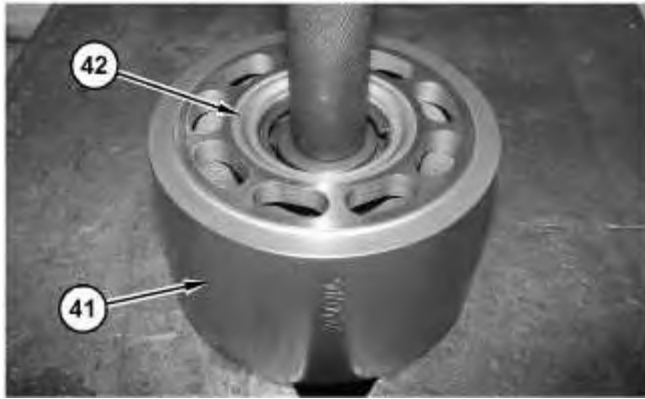


Illustration 15

g06074149

! WARNING

Improper assembly of parts that are spring loaded can cause bodily injury.

To prevent possible injury, follow the established assembly procedure and wear protective equipment.

17. Use a suitable press to remove retaining ring (42) from barrel assembly (41).

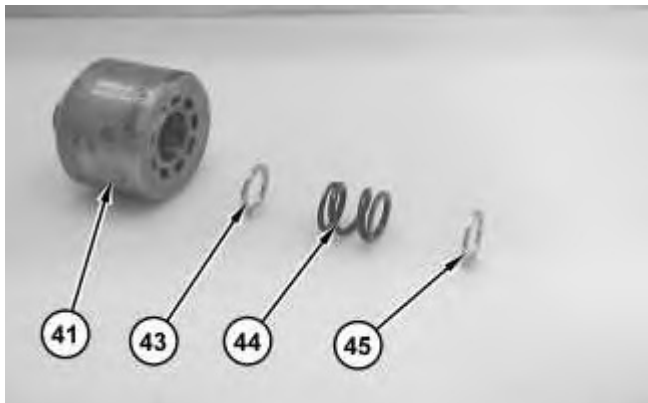


Illustration 16

g01226061

18. Remove washer (45), spring (44), and washer (43) from barrel assembly (41).



Illustration 17

g01226060

19. Use Tooling (A) to remove retaining ring (46).

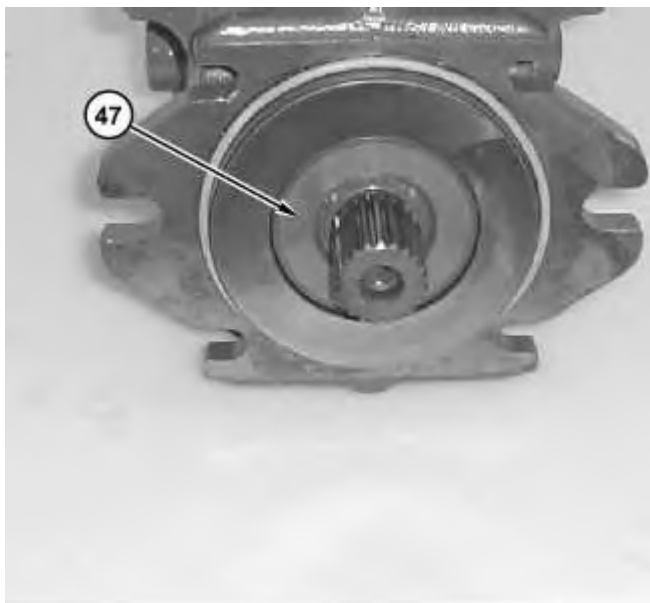


Illustration 18

g01226058

20. Remove lip seal (47).

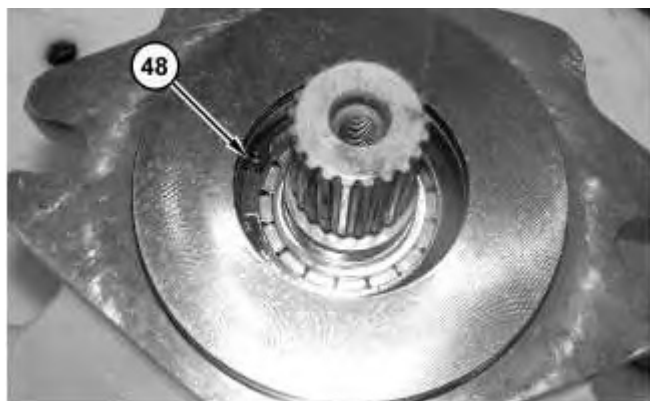


Illustration 19

g01226017

21. Remove retaining ring (48).

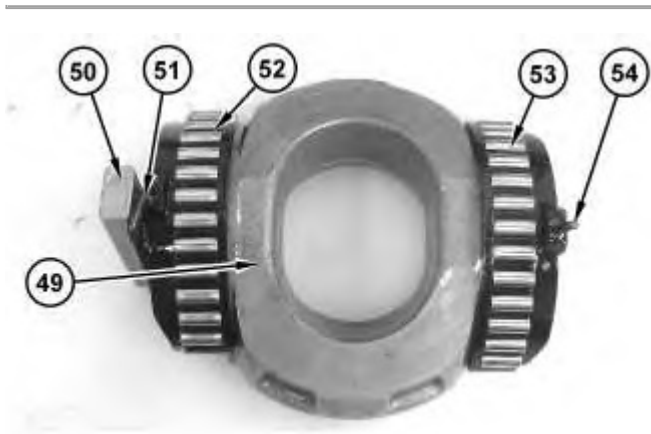


Illustration 20

g01226019

22. Remove block (50), pin (51), bearing (52), pin (54), and bearing (53) from swashplate (49).

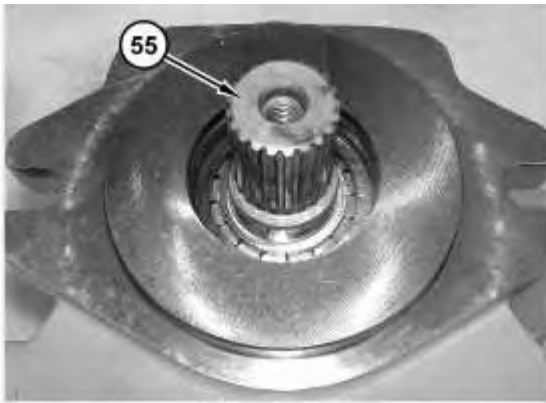


Illustration 21

g01226315

23. Remove shaft (55).

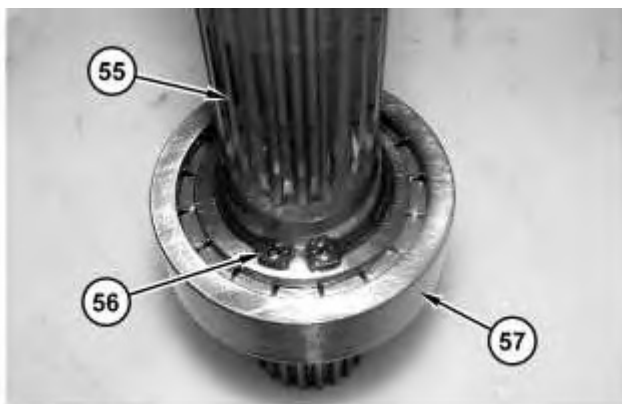


Illustration 22

g01226016

24. Use Tooling (A) to remove retaining ring (56).

25. Remove bearing (57) from shaft (55).

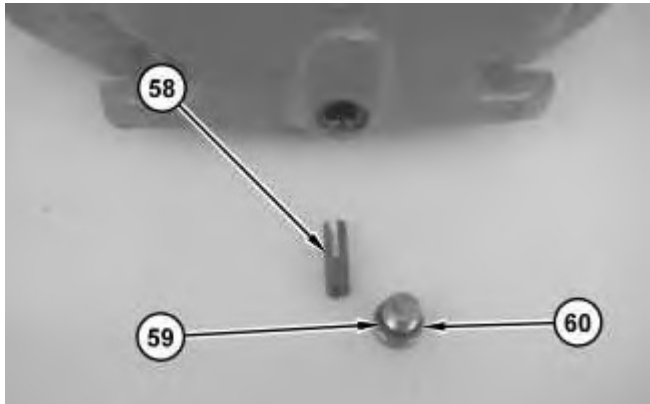


Illustration 23

g01226055

26. Remove pin (58), plug (59), and O-ring seal (60).

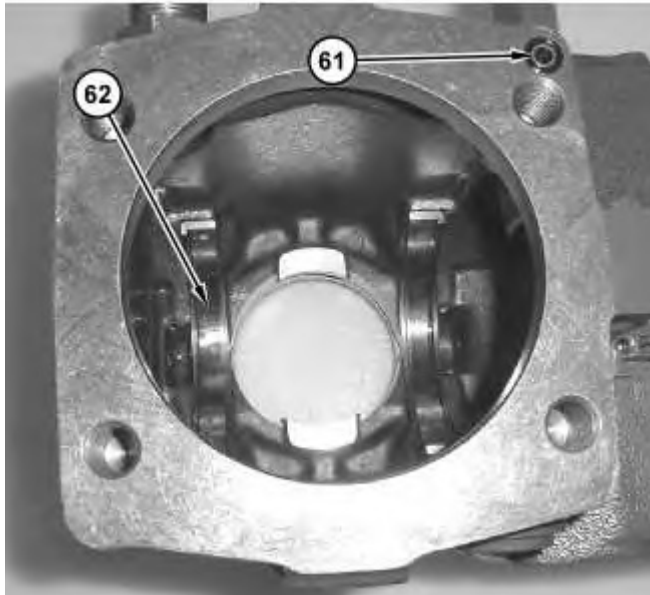
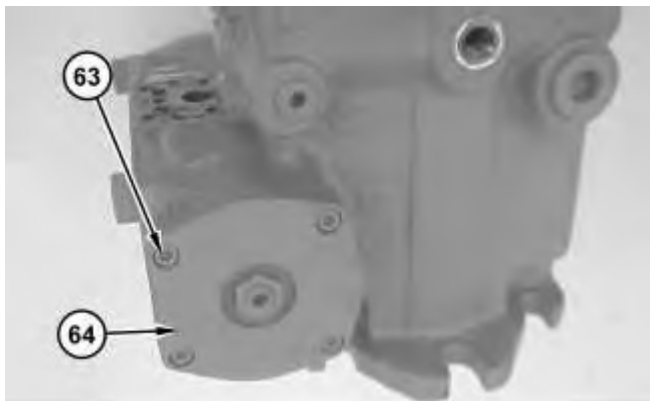


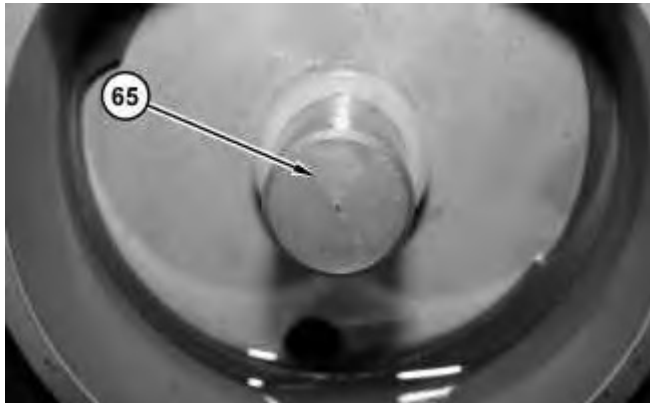
Illustration 24

g01226057

27. Remove bearing races (62) and O-ring seal (61).



28. Remove bolts (63) and piston assembly (64).



29. Remove cap (65).



30. Remove retaining ring (66).



WARNING

Improper assembly of parts that are spring loaded can cause bodily injury.

To prevent possible injury, follow the established assembly procedure and wear protective equipment.

31. Use Tooling (A) and a suitable press to remove keepers (67).

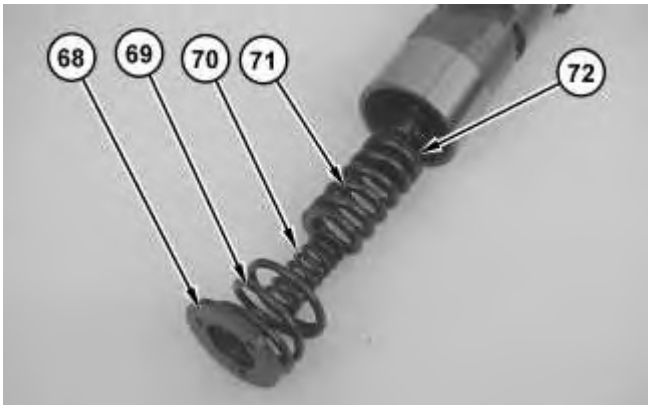


Illustration 29

g01226050

32. Remove retainer (68), spring (69), spring (70), spring (71), and retainer (72).



Illustration 30

g01226048

33. Remove nut (73) and cover (74).
-



Illustration 31

g01226047

34. Remove O-ring seal (75).

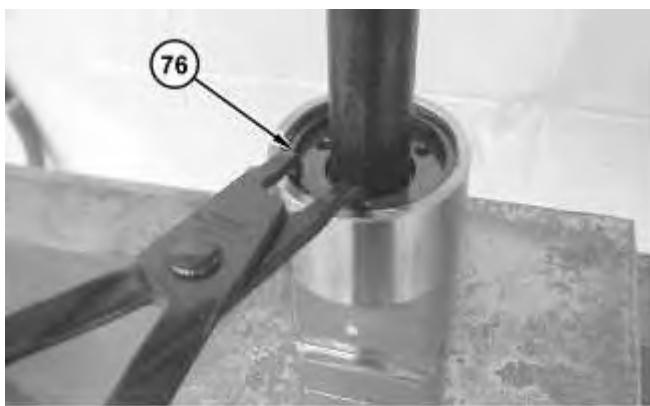


Illustration 32

g01226045

 **WARNING**

Improper assembly of parts that are spring loaded can cause bodily injury.

To prevent possible injury, follow the established assembly procedure and wear protective equipment.

35. Use a suitable press and Tooling (C) to remove retaining ring (76).

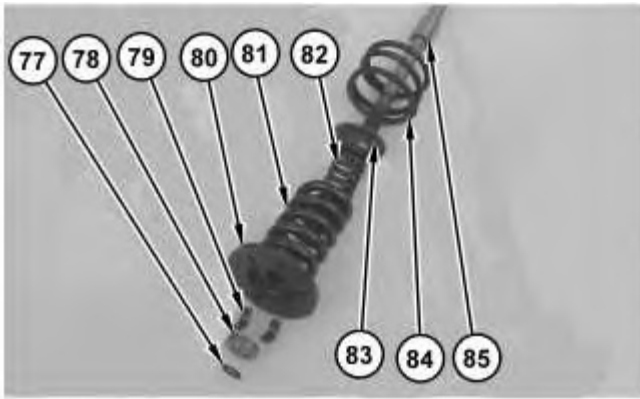


Illustration 33

g01226044

36. Remove washer (77), spacer (78), keeper (79), retainer (80), spring (81), spring (82), retainer (83), and spring (84) from rod (85).

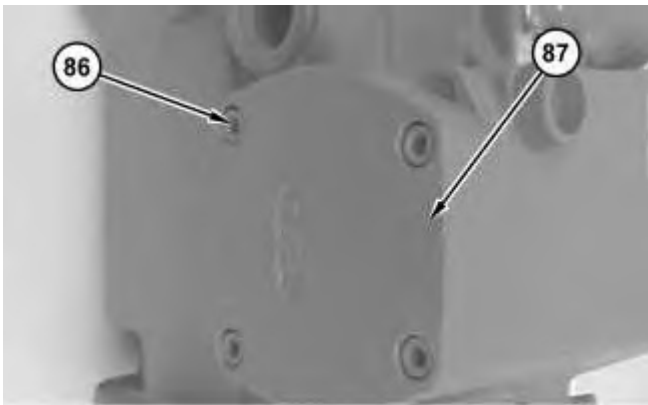


Illustration 34

g01226025

37. Remove bolts (86) and cover (87).

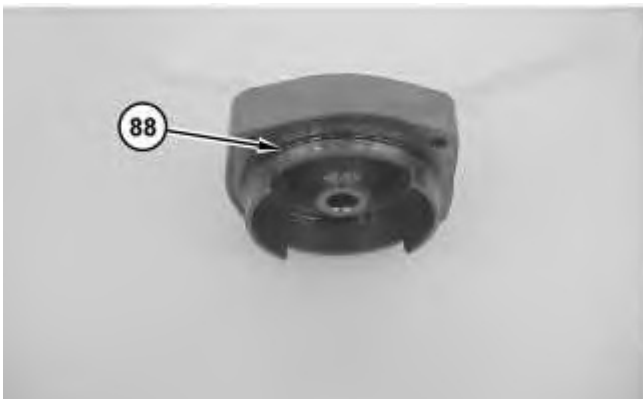


Illustration 35

g01226023

38. Remove O-ring seal (88).



Illustration 36

g01226022

39. Remove seals (89).

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Model: D5R2 TRACK-TYPE TRACTOR WRE

Configuration: D5R2 XL, LGP Track-Type Tractor WRE00001-UP (MACHINE) POWERED BY C7.1 Engine

Disassembly and Assembly D5R and D6N Track-Type Tractor Machine Systems

Media Number -M0071172-01

Publication Date -01/09/2015

Date Updated -10/07/2017

i06682848

Piston Pump (Steering) - Assemble

SMCS - 4306-016-QP; 4306-016; 5070-016-ZH; 5070-016

Assembly Procedure

Table 1

Required Tools			
Tool	Part Number	Part Description	Qty
A	147-3497	Ring	1



Illustration 1

g01226022

1. Install seals (89).

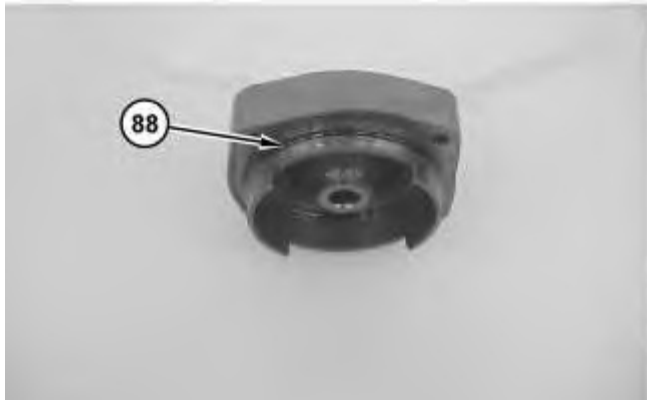


Illustration 2

g01226023

2. Install O-ring seal (88).

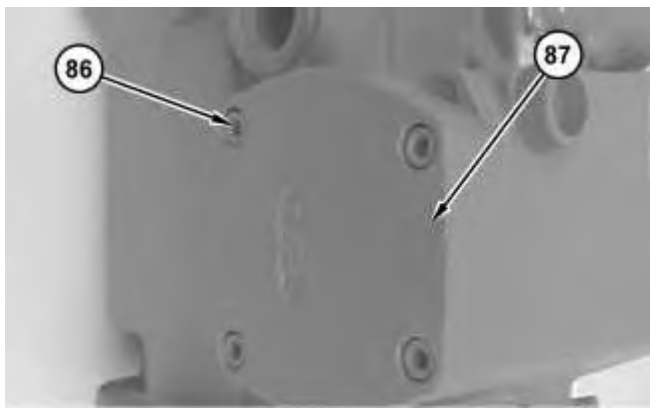


Illustration 3

g01226025

3. Install cover (87) and bolts (86).

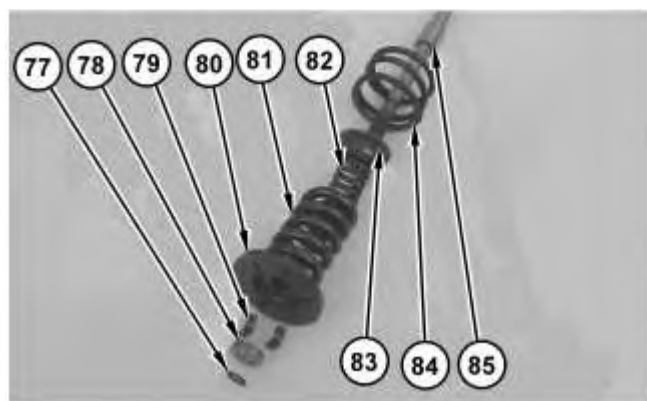


Illustration 4

g01226044

4. Install spring (84), retainer (83), spring (82), spring (81), retainer (80), keeper (79), spacer (78), and washer (77) onto rod (85).

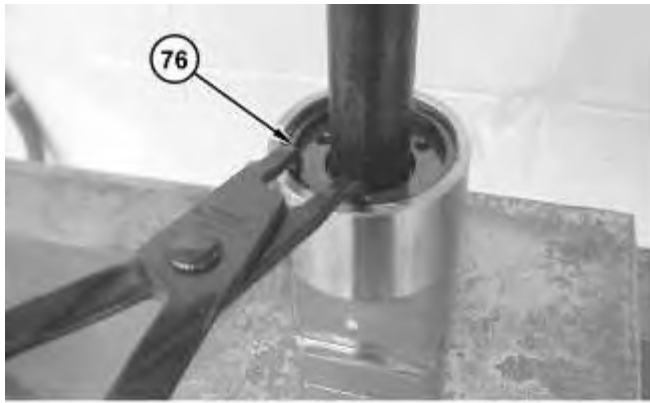


Illustration 5

g01226045

 **WARNING**

Improper assembly of parts that are spring loaded can cause bodily injury.

To prevent possible injury, follow the established assembly procedure and wear protective equipment.

5. Use a suitable press to install retaining ring (76).

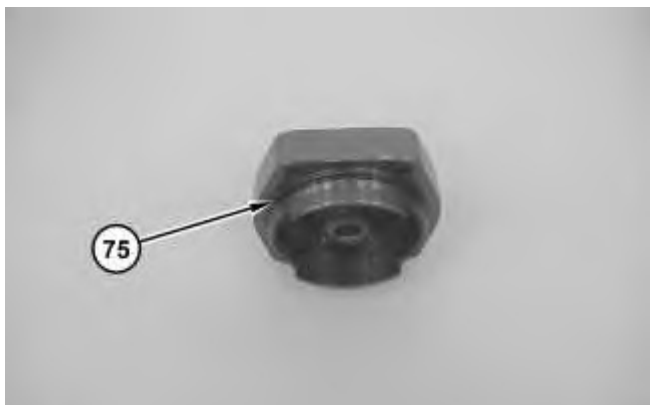


Illustration 6

g01226047

6. Install O-ring seal (75).



Illustration 7

g01226048

7. Install cover (74) and nut (73).

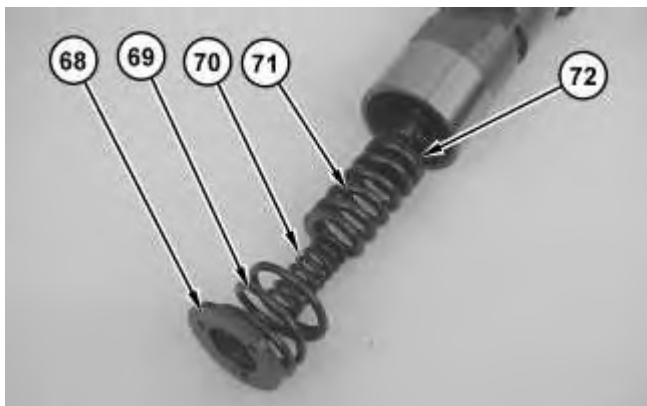


Illustration 8

g01226050

8. Install retainer (72), spring (71), spring (70), spring (69), and retainer (68).

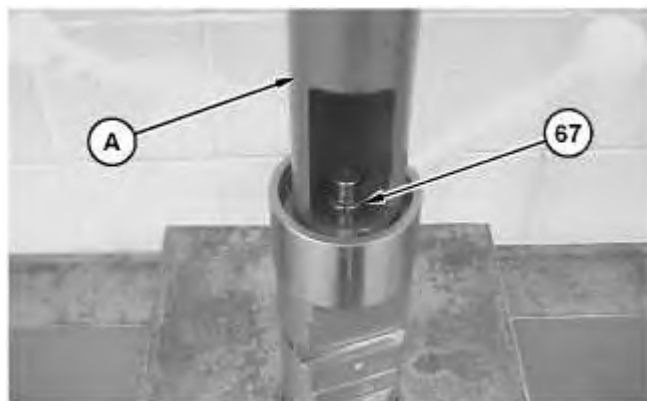


Illustration 9

g06074172

 **WARNING**

Improper assembly of parts that are spring loaded can cause bodily injury.

To prevent possible injury, follow the established assembly procedure and wear protective equipment.

9. Use Tooling (A) and a suitable press to install keepers (67).



Illustration 10

g01226053

! WARNING

Improper assembly of parts that are spring loaded can cause bodily injury.

To prevent possible injury, follow the established assembly procedure and wear protective equipment.

10. Use a suitable press to install retaining ring (66).

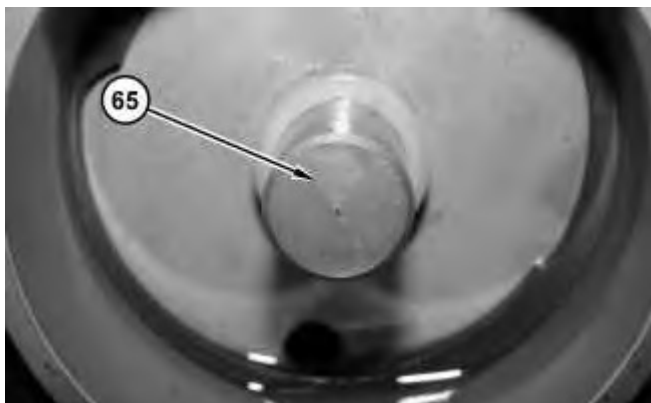


Illustration 11

g01226067

11. Install cap (65).

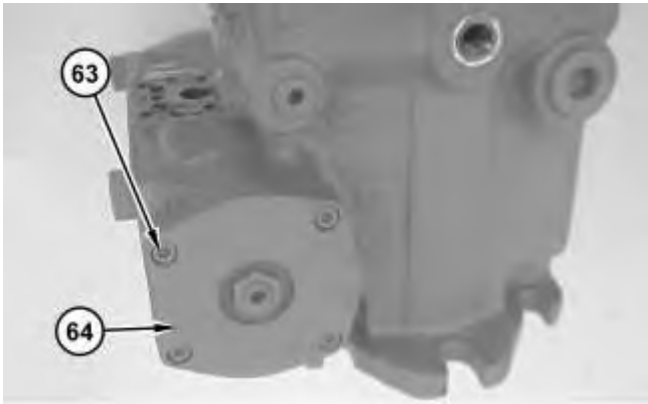


Illustration 12

g01226054

12. Install piston assembly (64) and bolts (63).

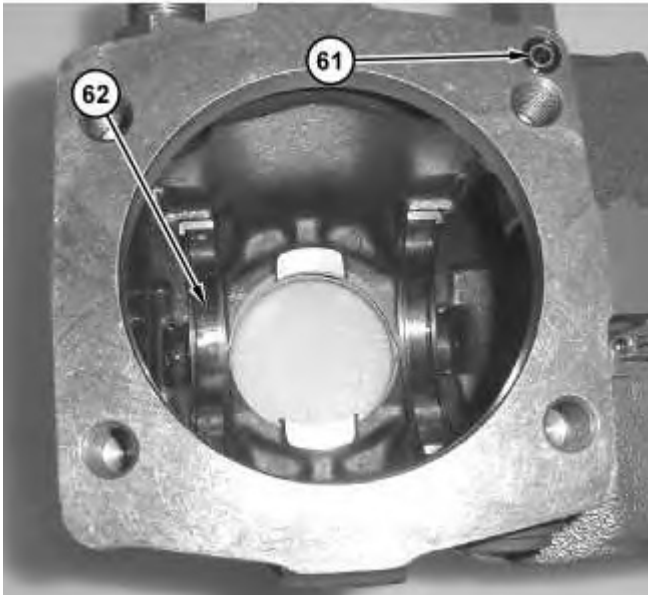


Illustration 13

g01226057

13. Install bearing races (62) and O-ring seal (61).

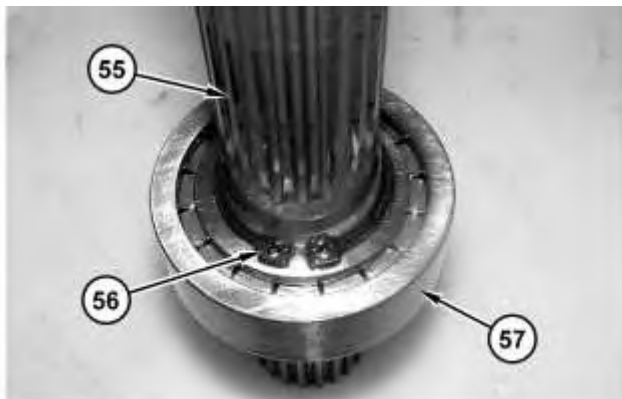


Illustration 14

g01226016

14. Install bearing (57) onto shaft (55).
15. Install retaining ring (56).

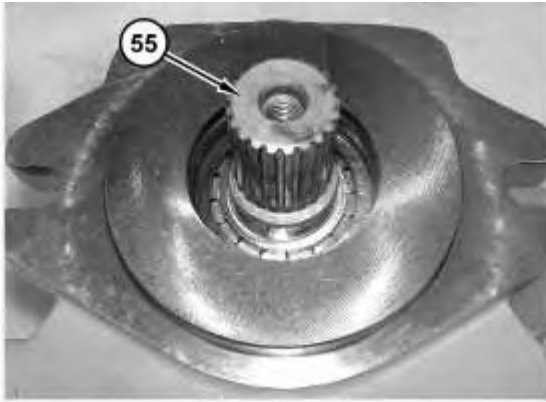


Illustration 15

g01226315

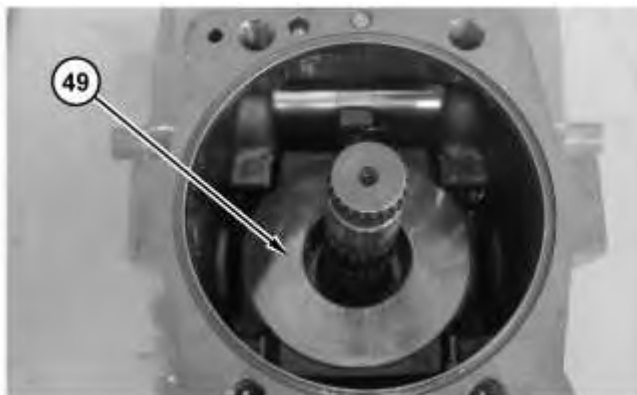
16. Install shaft (55).



Illustration 16

g01226019

17. Install bearing (53), pin (54), bearing (52), pin (51), and block (50) onto swashplate (49).



18. Install swashplate assembly (49).
-

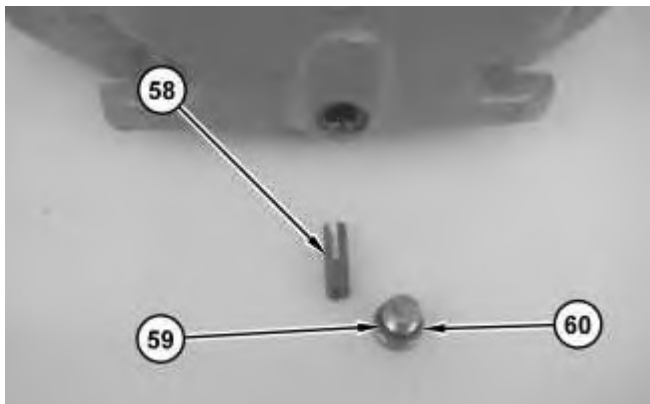


Illustration 18

19. Install pin (58), O-ring seal (60), and plug (59).
-

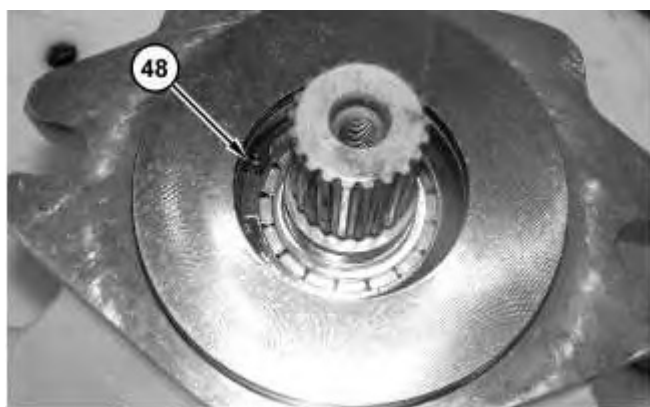


Illustration 19

20. Install retaining ring (48).
-



Illustration 20

g01226058

21. Install lip seal (47).



Illustration 21

g01226060

22. Install retaining ring (46).

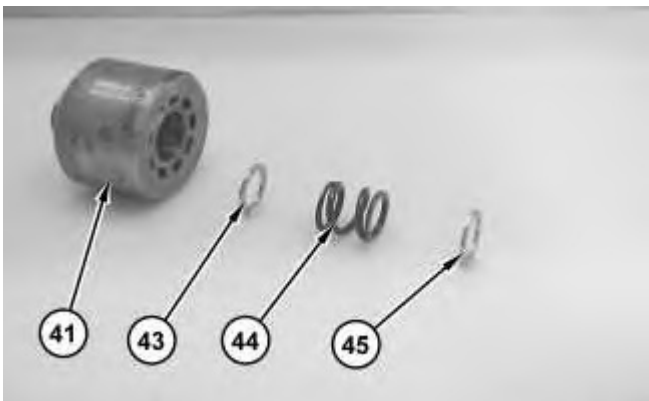


Illustration 22

g01226061

23. Install washer (43), spring (44), and washer (45) into barrel assembly (41).

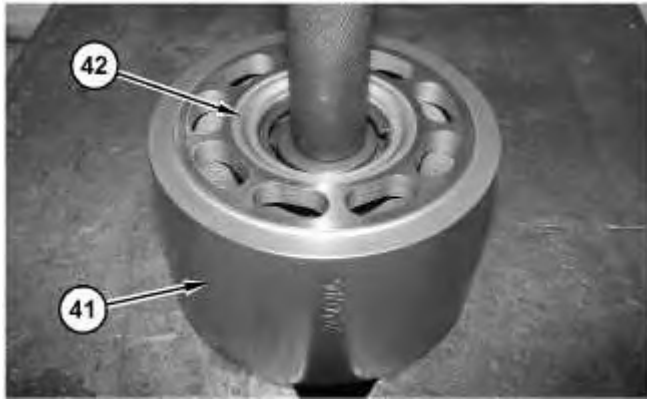


Illustration 23

g06074149



Improper assembly of parts that are spring loaded can cause bodily injury.

To prevent possible injury, follow the established assembly procedure and wear protective equipment.

24. Use a suitable press to install retaining ring (42) into barrel assembly (41).

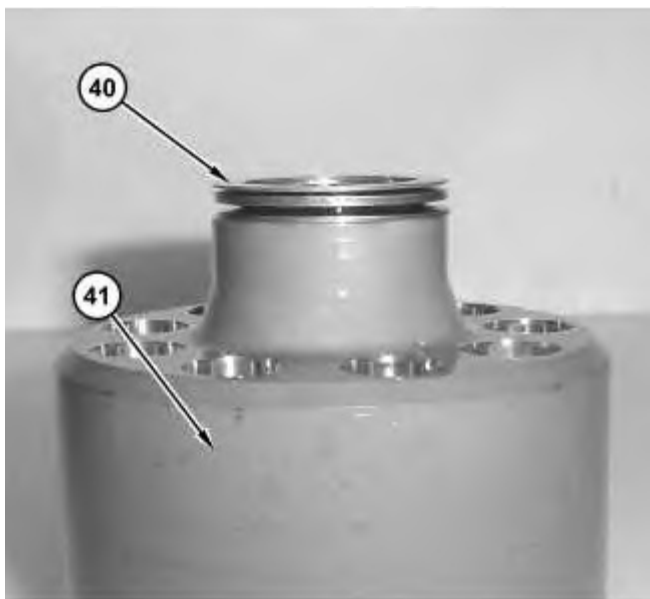


Illustration 24

g01226063

25. Install shims (40) onto barrel assembly (41).

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