



Service Repair Manual

Model

287C2 MULTI TERRAIN LOADER

[Previous Screen](#)

Product: MULTI TERRAIN LOADER

Model: 287C2 MULTI TERRAIN LOADER SSB

Configuration: 287C2 Multi Terrain Loader SSB00001-UP (MACHINE) POWERED BY C3.4 Engine

Disassembly and Assembly

279C2 Compact Track Loader and 287C, 277C, 277C2 and 297C Multi Terrain Loaders Power Train

Media Number -KENR5197-07

Publication Date -01/06/2014

Date Updated -10/06/2014

i05926249

Piston Motor (Hydrostatic) - Disassemble - CTL

SMCS - 4351-015

S/N - SSB1-UP

Disassembly Procedure

Table 1

| Required Tools | | | |
|----------------|-------------|--|-----|
| Tools | Part Number | Part Description | Qty |
| A | 1P-1861 | Retaining Ring Pliers | 1 |
| B | 136-1452 | Retaining Ring Pliers As | 1 |
| C | 1P-0074 | Slide Hammer Puller Gp | 1 |
| D | 5F-7339 | Adapter | 1 |
| E | 1P-1859 | Retaining Ring Pliers | 1 |
| F | 5P-5197 | Retaining Ring Pliers As | 1 |
| G | 308-5676 | Spanner Wrench Assembly ⁽¹⁾ | 1 |
| | 329-1669 | Spanner Wrench Assembly ⁽²⁾ | 1 |
| | 308-5675 | Driver Assembly | 1 |
| | 426-2723 | Adapter | 1 |
| H | 385-8578 | Hydraulic Wrench | 1 |
| | 385-8589 | Reaction Arm Assembly | 1 |
| | 426-2719 | Block Assembly | 1 |

| | | | |
|---|----------|--------------------------------------|---|
| H | 132-8126 | Hydraulic Wrench ⁽³⁾ | 1 |
| | 237-3952 | Reaction Arm Assembly ⁽⁴⁾ | 1 |
| | 426-2720 | Block Assembly ⁽⁵⁾ | 1 |
| J | 426-2717 | Reaction Plate | 1 |
| K | 8T-7338 | Bolt | 4 |
| L | 9X-8268 | Washer | 4 |
| M | 385-8479 | Hydraulic Pump Gp 115v | 1 |
| | 384-8916 | Hydraulic Pump Gp 208-240v | 1 |
| N | 1H-3110 | Bearing Puller Gp | 1 |

⁽¹⁾ 6 Pin

⁽²⁾ 7 Pin

⁽³⁾ Can be used in place of 385-8578 Hydraulic Wrench.

⁽⁴⁾ For use with 132-8126 Hydraulic Wrench only.

⁽⁵⁾ For use with 132-8126 Hydraulic Wrench only.

Start By:

- a. Remove the piston motor.

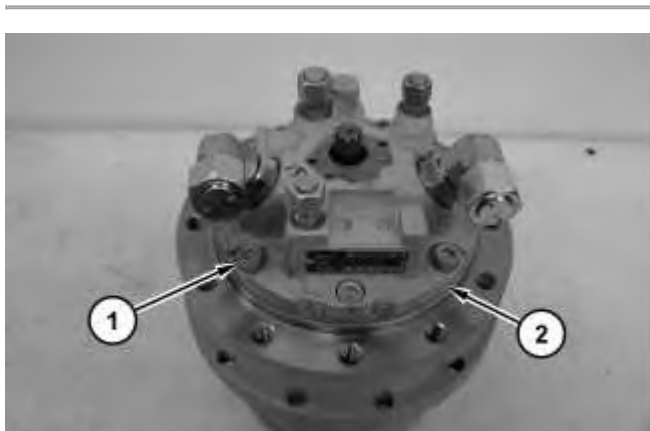


Illustration 1

g01509813



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

Make sure to wear all necessary protective equipment.

<https://www.ebooklibonline.com>

Hello dear friend!

Thank you very much for reading.

Enter the link into your browser.

The full manual is available for immediate download.

<https://www.ebooklibonline.com>

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

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



Illustration 2

g01510048

2. Remove bearing (3) and seal (4).



Illustration 3

g01510076

! 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.

3. Remove plug (5).

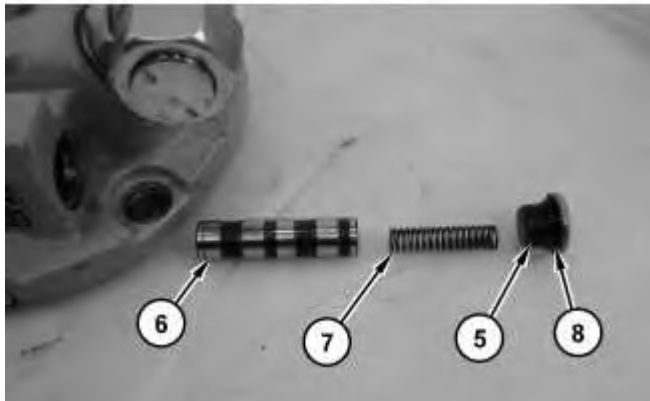


Illustration 4

g01510154



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.

4. Remove O-ring seal (8) from plug (5).
5. Remove spring (7) and spool (6).
6. Repeat Step 4 for opposite side.

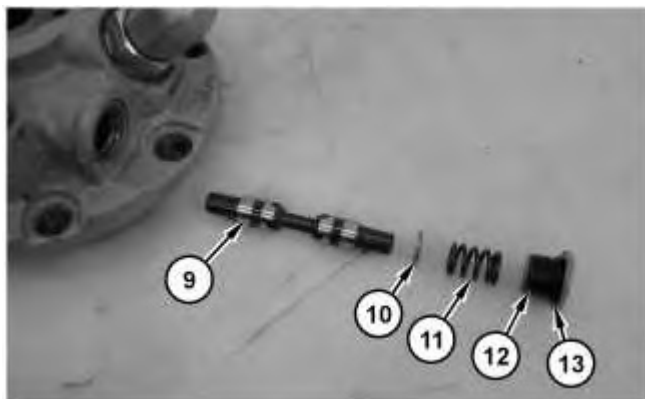


Illustration 5

g01510333

7. Remove plug (12), O-ring seal (13), spring (11) and washer (10).

8. Remove spool (9).
 9. Repeat Step 7 for opposite side.
-

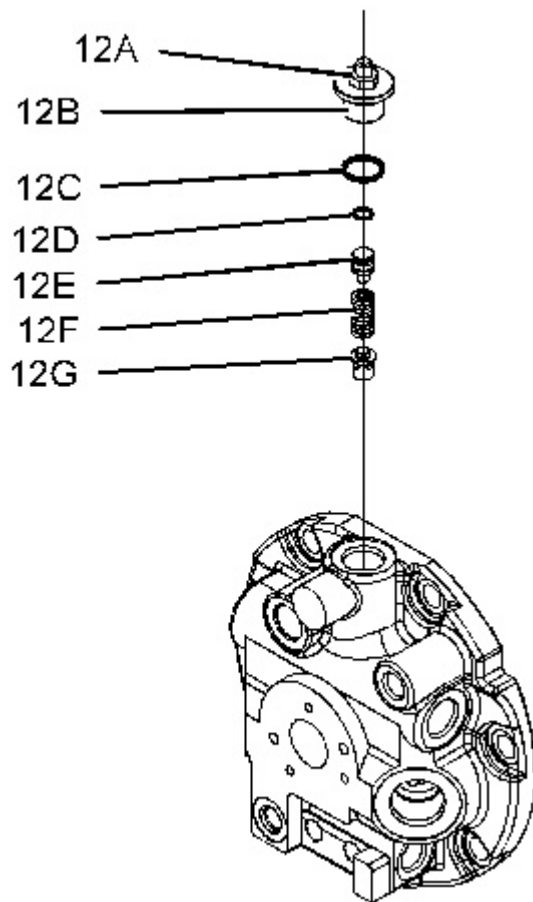


Illustration 6

g01397331

 **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.

10. Do not remove nut (12A).
 11. Remove plug (12B), O-ring seal (12C), O-ring seal (12D), retainer (12E), spring (12F), and valve (12G).
-

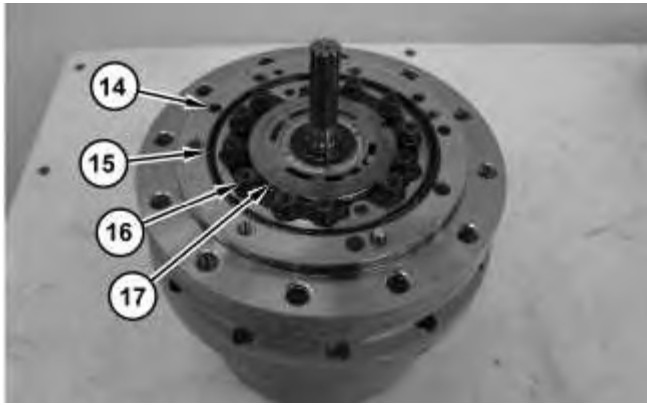


Illustration 7

g01511467

12. Remove O-ring seals (14) and (15). Remove springs (16) and port plate (17).

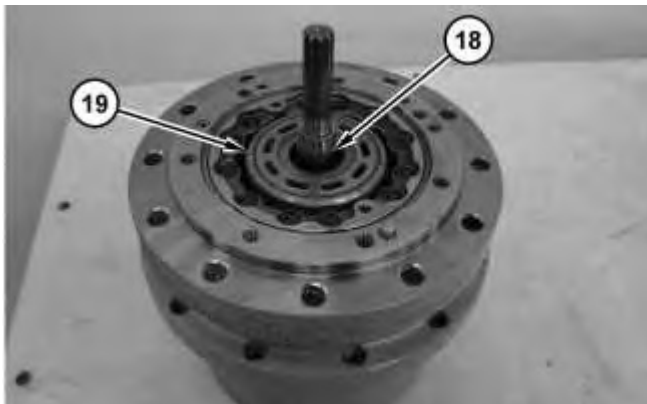


Illustration 8

g01512055

13. Remove bearing race (18) and piston assembly (19).

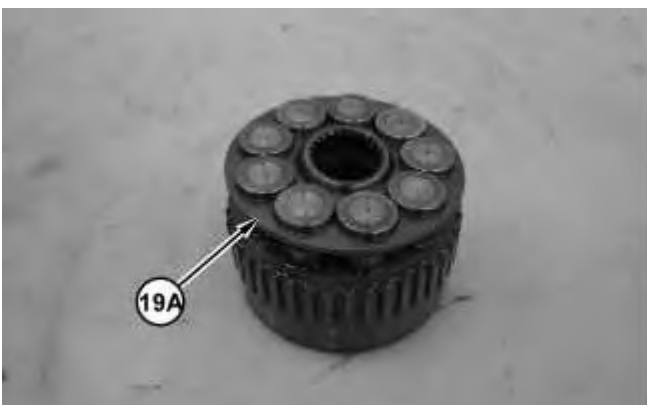


Illustration 9

g01513257

14. Remove piston assembly (19A).

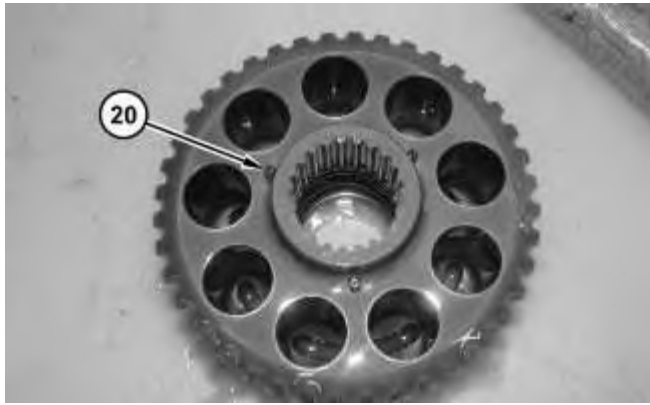


Illustration 10

g01512054

15. Remove pins (20).

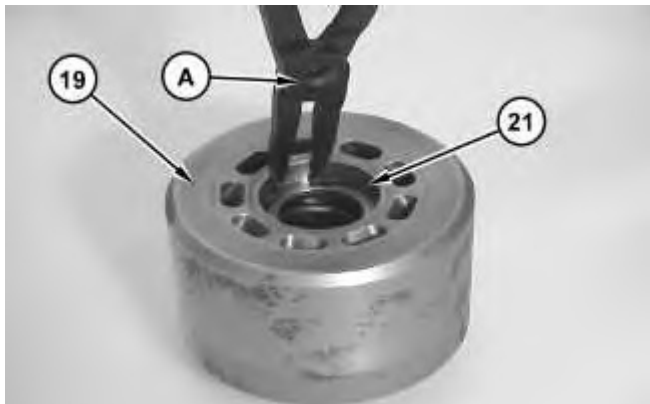


Illustration 11

g01512134

 **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.

16. Use Tooling (A) and a suitable press in order to remove retaining ring (21) from barrel (19).

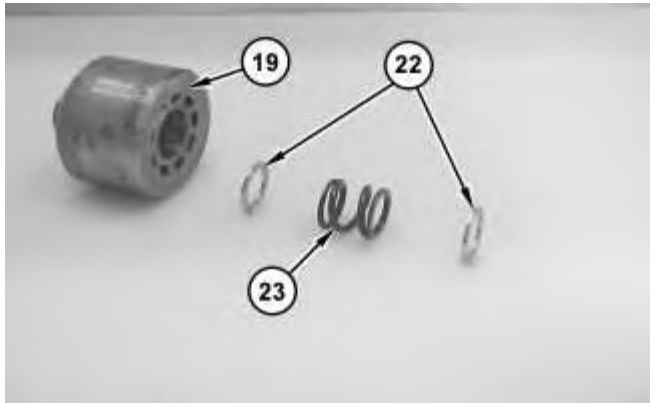


Illustration 12

g01512596

17. Remove washers (22) and spring (23) from barrel (19).

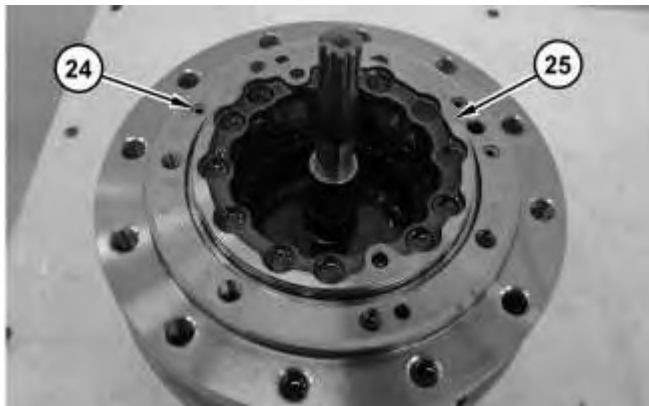


Illustration 13

g01513300

18. Apply low air to port hole (24) in order to remove piston assembly (25).

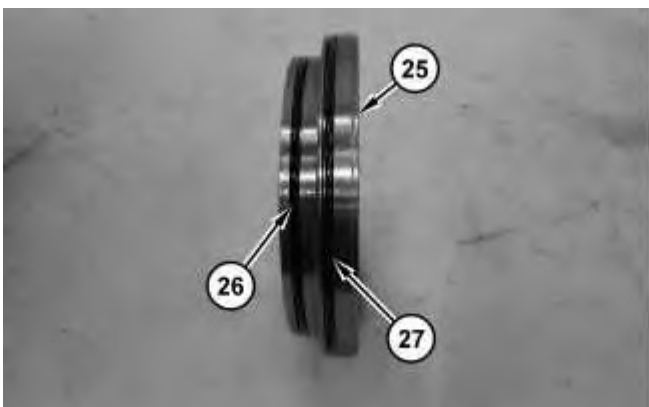


Illustration 14

g01513310

19. Remove O-ring seals (26) and (27) from piston assembly (25).
-

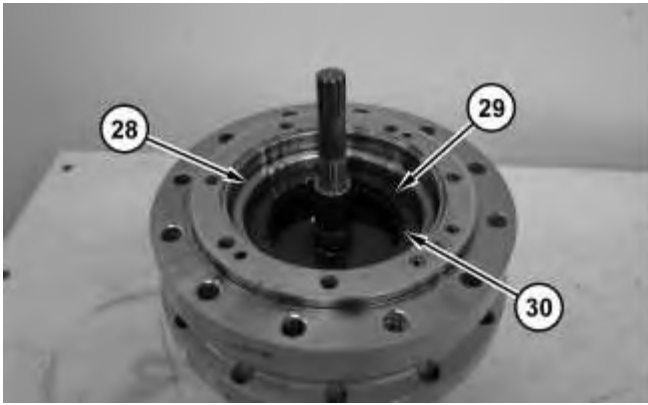


Illustration 15

g01513421

20. Remove collar (28), discs (29), and plates (30).

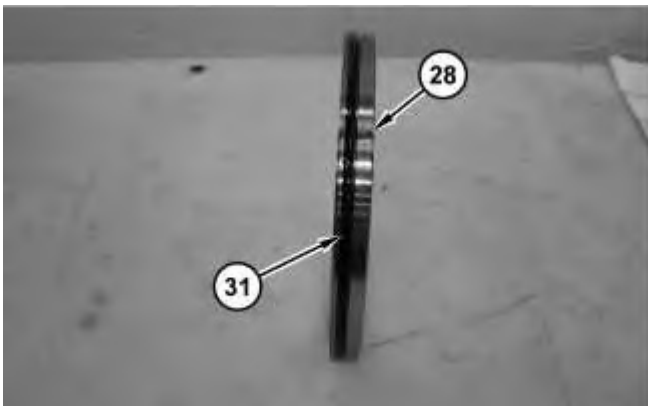


Illustration 16

g01513454

21. Remove O-ring seal (31) from collar (28).

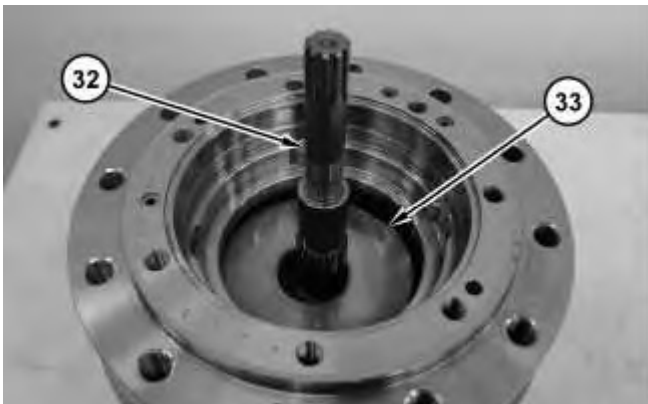


Illustration 17

g01513473

22. Remove shaft (32) and swashplate (33).

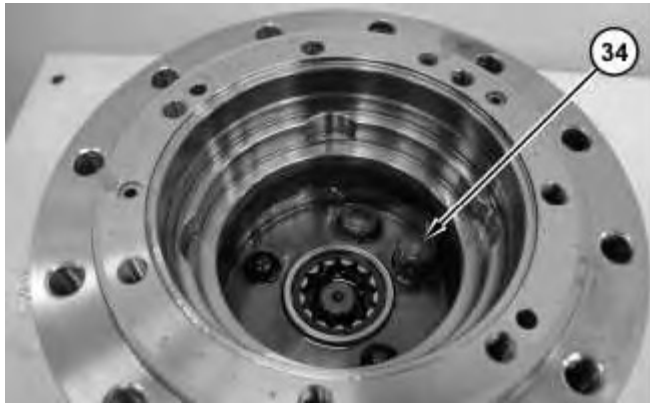


Illustration 18

g01513577

23. Remove piston (34).

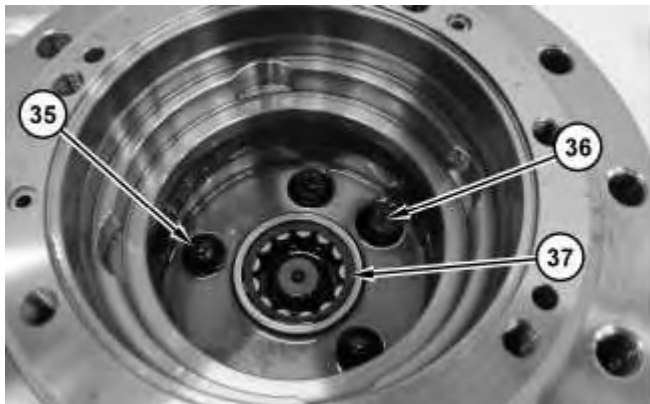


Illustration 19

g01513869

24. Remove balls (35) and springs (36).

25. Use a suitable press in order to remove bearing (37).

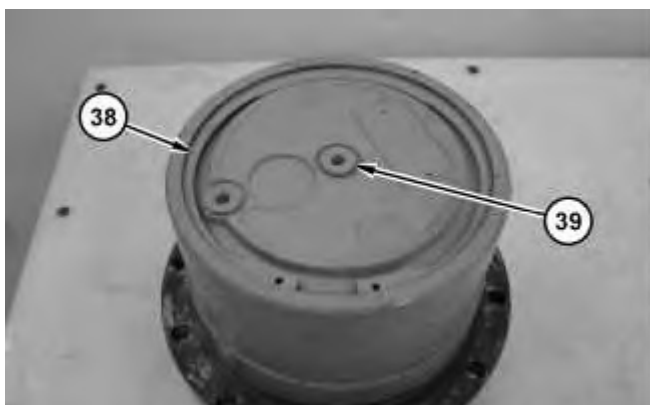


Illustration 20

g03353850

26. Use Tooling (B) in order to remove retaining ring (38).

27. Remove plug (39) and the O-ring seal.

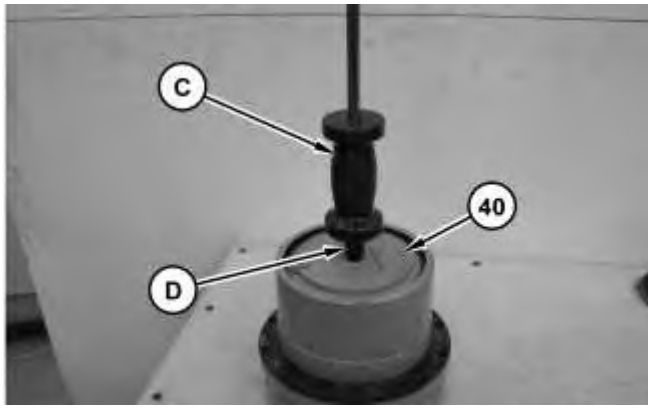


Illustration 21

g01513925

28. Use Tooling (C) and Tooling (D) in order to remove cover (40).

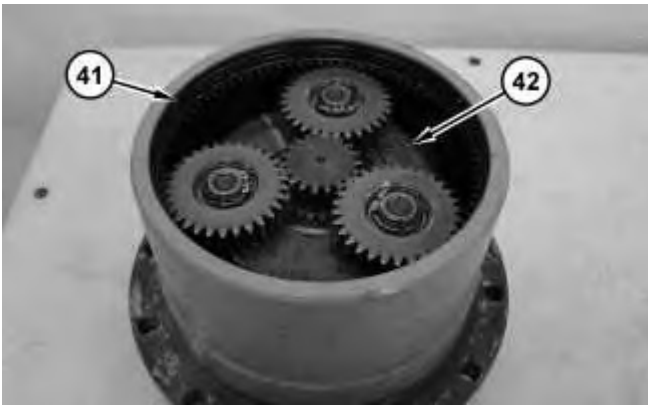


Illustration 22

g01514083

29. Remove O-ring seal (41) and carrier assembly (42).

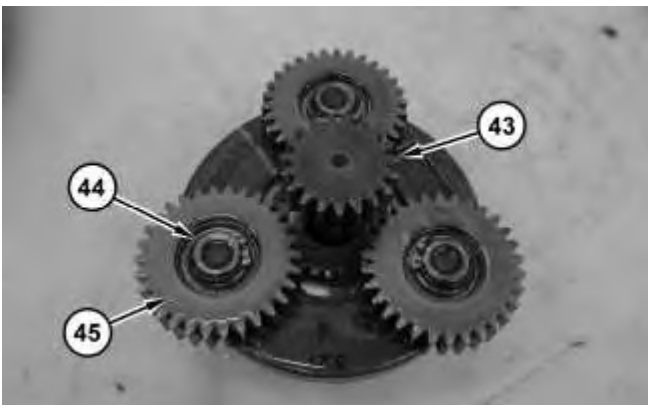


Illustration 23

g01515008

30. Use Tooling (E) in order to remove retaining rings (43).

31. Remove gears (44) and gear (45).
-

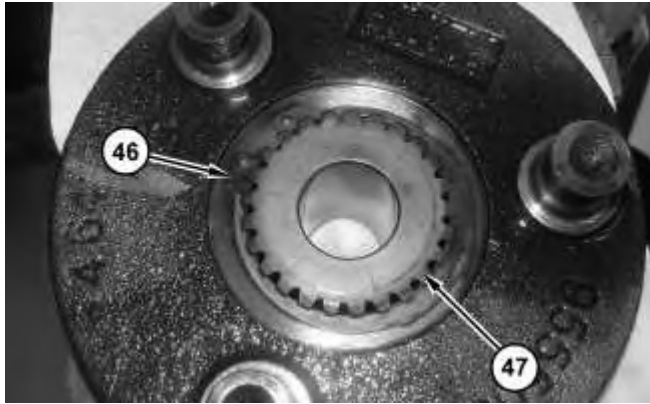


Illustration 24

g01515037

32. Use Tooling (F) in order to remove retaining ring (46).
33. Remove gear (47).



Illustration 25

g01515047

34. Use Tooling (E) in order to remove retaining rings (48).
35. Remove gears (49).

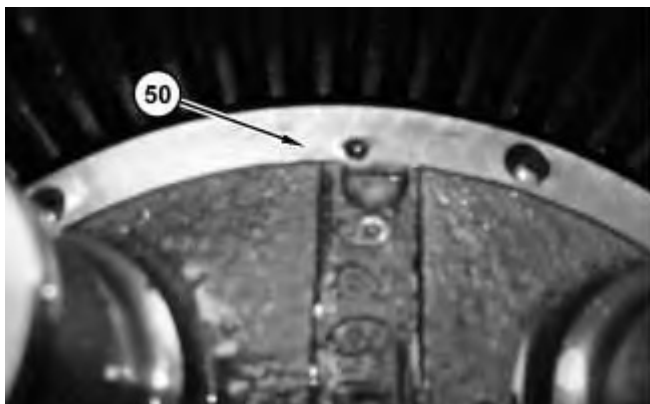


Illustration 26

g01515073



Illustration 27

g03337242

36. Drill the stakes from nut (50).
37. Install spindle (51) and housing (52) onto Tooling (J) using Tooling (K) and Tooling (L).
38. Install Tooling (G) into spindle (51).
39. Install Tooling (H) onto Tooling (J) and Tooling (G).
40. Use Tooling (H) and Tooling (M) (not shown) in order to remove nut (50).

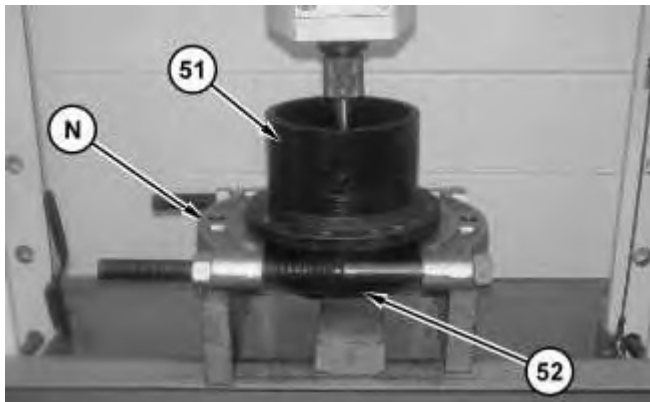


Illustration 28

g03337267

41. Use Tooling (N) and a suitable press in order to remove spindle (51) from housing (52).
-

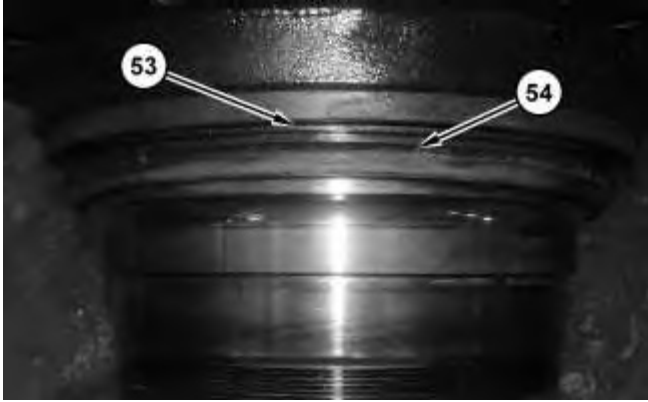


Illustration 29

g01515147

42. Remove Duo-Cone seals (53) and (54).

[Previous Screen](#)

Product: MULTI TERRAIN LOADER

Model: 287C2 MULTI TERRAIN LOADER SSB

Configuration: 287C2 Multi Terrain Loader SSB00001-UP (MACHINE) POWERED BY C3.4 Engine

Disassembly and Assembly

279C2 Compact Track Loader and 287C, 277C, 277C2 and 297C Multi Terrain Loaders Power Train

Media Number -KENR5197-07

Publication Date -01/06/2014

Date Updated -10/06/2014

i05269920

Piston Motor (Hydrostatic) - Disassemble - Final Drive Bench Method

SMCS - 4351-015

S/N - SSB1-UP

Disassembly Procedure

Table 1

| Required Tools | | | |
|----------------|-------------|--|-----|
| Tools | Part Number | Part Description | Qty |
| A | 1P-1861 | Retaining Ring Pliers | 1 |
| B | 136-1452 | Retaining Ring Pliers As | 1 |
| C | 1P-0074 | Slide Hammer Puller Gp | 1 |
| D | 5F-7339 | Adapter | 1 |
| E | 1P-1859 | Retaining Ring Pliers | 1 |
| F | 5P-5197 | Retaining Ring Pliers As | 1 |
| G | FT-3081 | Adapter Plate | 1 |
| H | 308-5676 | Spanner Wrench Assembly ⁽¹⁾ | 1 |
| | 329-1669 | Spanner Wrench Assembly ⁽²⁾ | 1 |
| | 308-5675 | Driver Assembly | 1 |
| J | 127-8458 | Final Drive Bench Ar | 1 |
| K | 1H-3110 | Bearing Puller Gp | 1 |

(1) 6 Pin

(2) 7 Pin

Start By:

- a. Remove the piston motor.

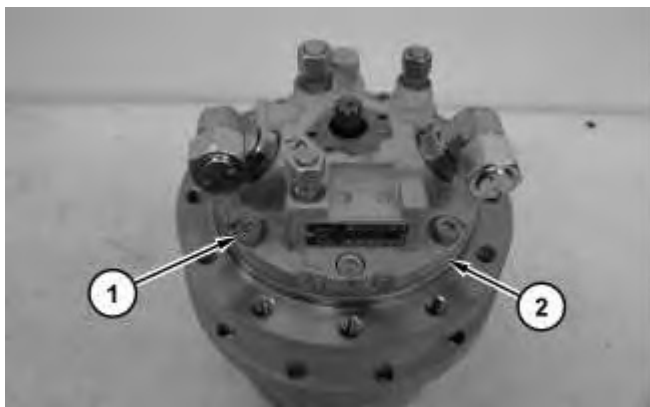


Illustration 1

g01509813



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.

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

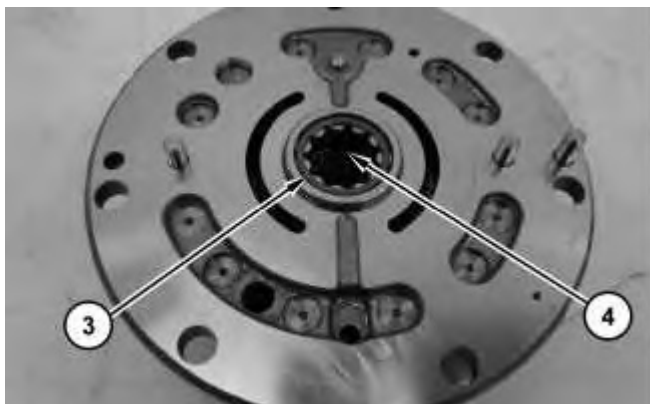


Illustration 2

g01510048

2. Remove bearing (3) and seal (4).

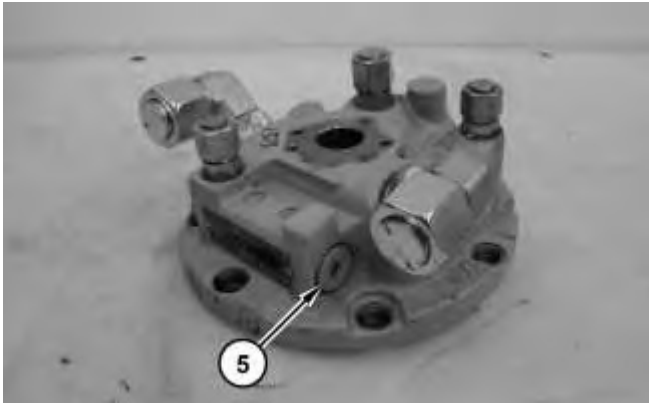


Illustration 3

g01510076



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.

3. Remove plug (5).

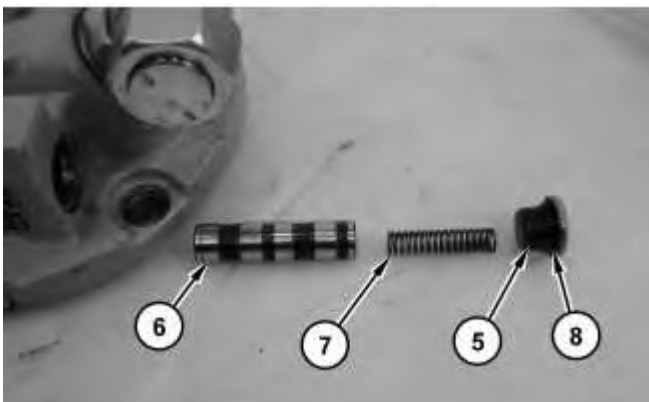


Illustration 4

g01510154

4. Remove O-ring seal (8) from plug (5).
 5. Remove spring (7) and spool (6).
 6. Repeat Step 4 for opposite side.
-

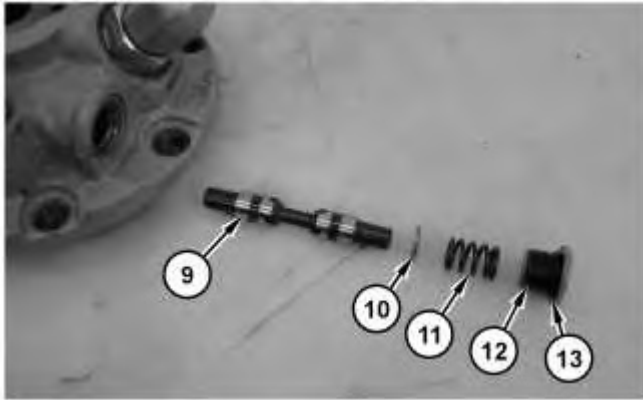


Illustration 5

g01510333

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.

-
7. Remove plug (12), O-ring seal (13), spring (11) and washer (10).
 8. Remove spool (9).
 9. Repeat Step 7 for opposite side.
-

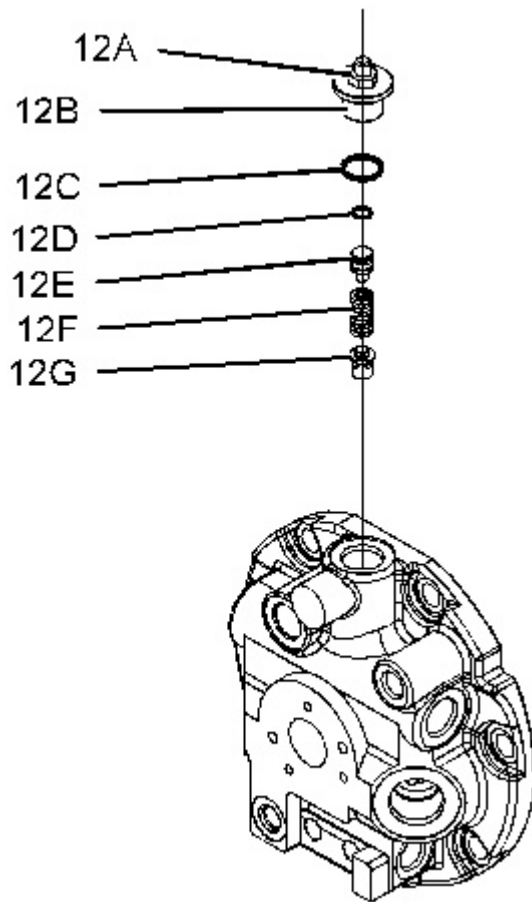


Illustration 6

g01397331

 **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.

10. Do not remove nut (12A).
 11. Remove plug (12B), O-ring seal (12C), O-ring seal (12D), retainer (12E), spring (12F), and valve (12G).
-

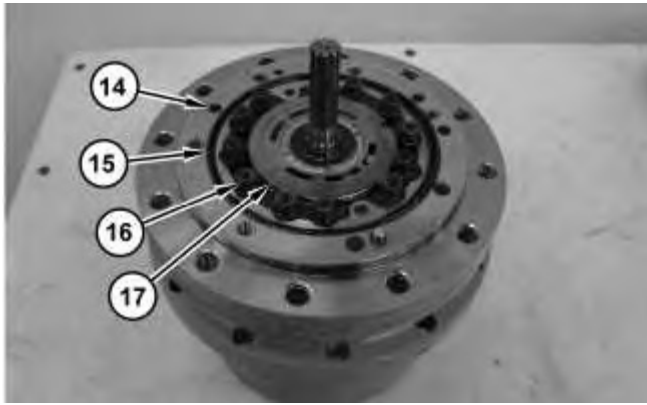


Illustration 7

g01511467

12. Remove O-ring seals (14) and (15). Remove springs (16) and port plate (17).

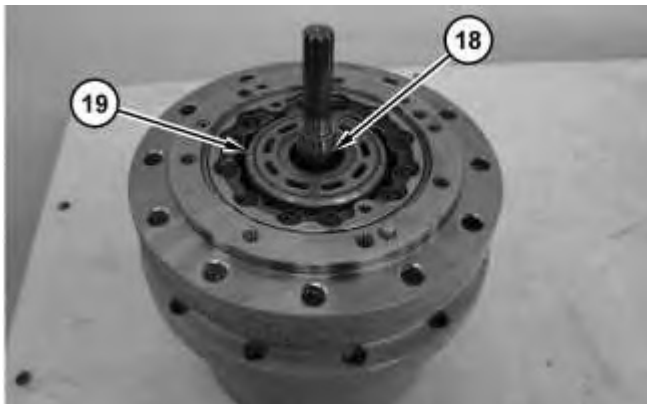


Illustration 8

g01512055

13. Remove bearing race (18) and piston assembly (19).

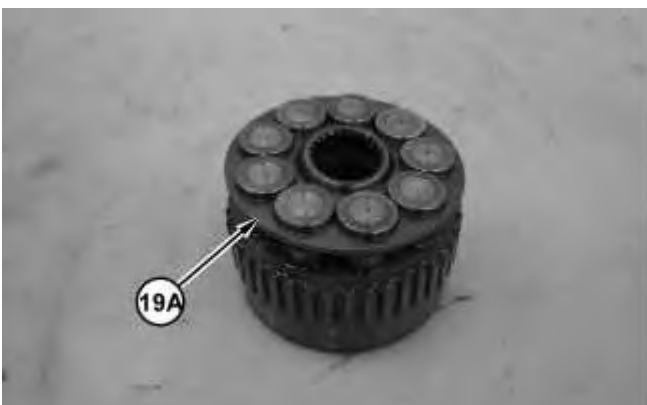


Illustration 9

g01513257

14. Remove piston assembly (19A).

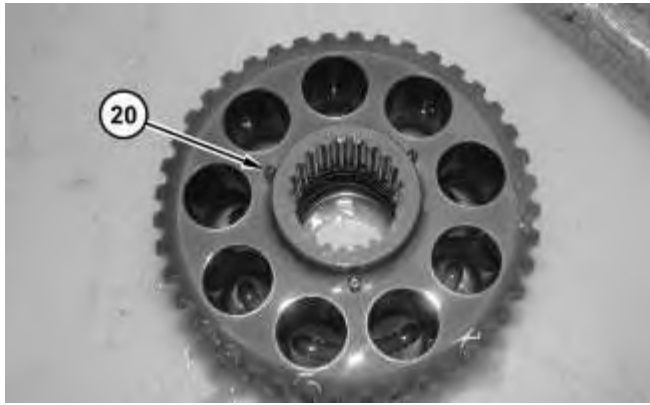


Illustration 10

g01512054

15. Remove pins (20).

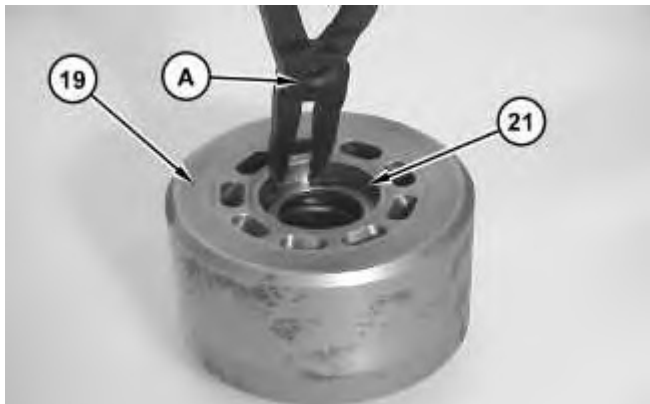


Illustration 11

g01512134

 **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.

16. Use Tooling (A) and a suitable press in order to remove retaining ring (21) from barrel (19).

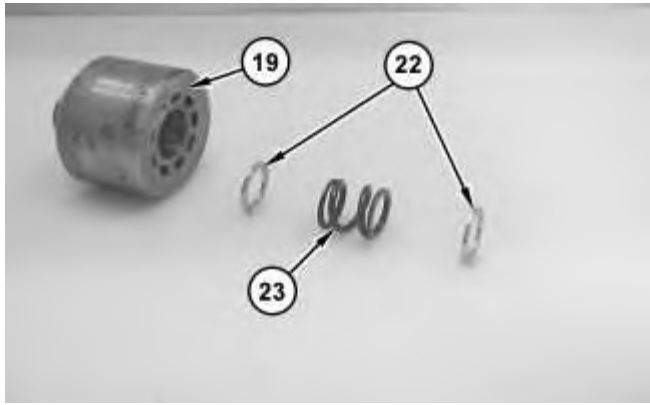


Illustration 12

g01512596

17. Remove washers (22) and spring (23) from barrel (19).

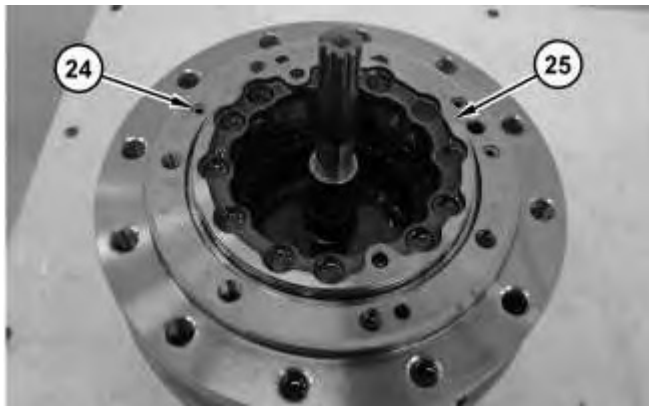


Illustration 13

g01513300

18. Apply low air to port hole (24) in order to remove piston assembly (25).

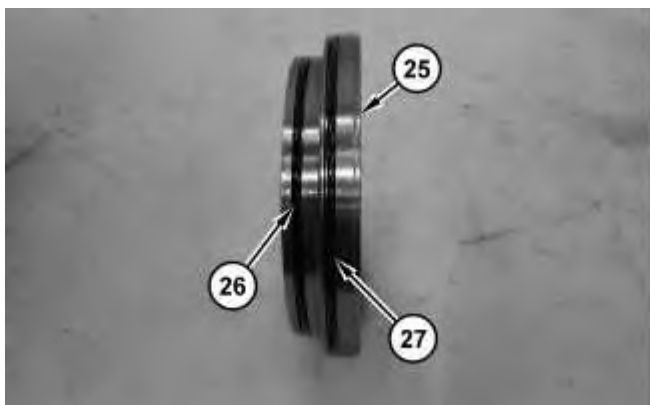


Illustration 14

g01513310

19. Remove O-ring seals (26) and (27) from piston assembly (25).

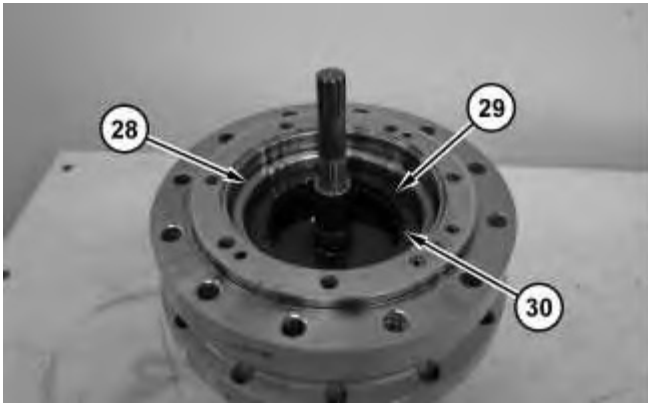


Illustration 15

g01513421

20. Remove collar (28), discs (29), and plates (30).

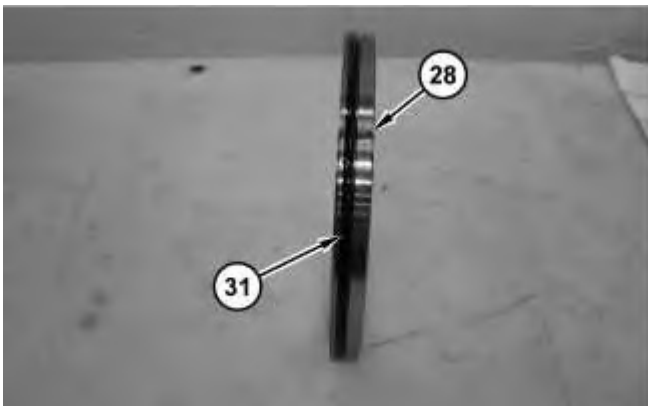


Illustration 16

g01513454

21. Remove O-ring seal (31) from collar (28).

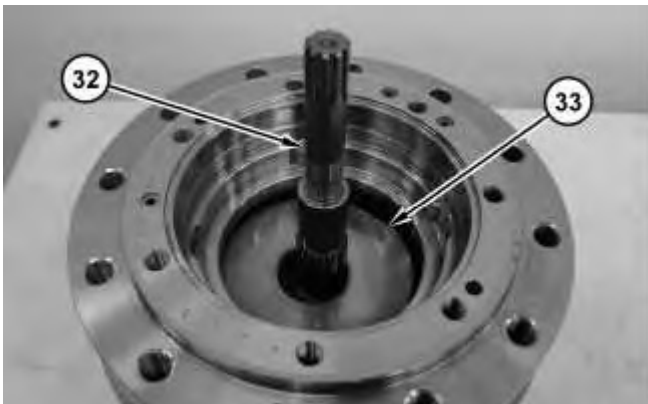


Illustration 17

g01513473

22. Remove shaft (32) and swashplate (33).



Suggest:

If the above button click is invalid.

Please download this document

first, and then click the above link

to download the complete manual.

Thank you so much for reading



Illustration 18

g01513577

23. Remove piston (34).

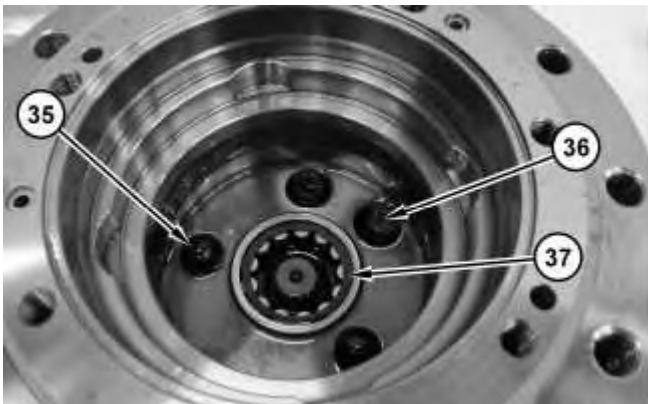


Illustration 19

g01513869

24. Remove balls (35) and springs (36).
25. Use a suitable press in order to remove bearing (37).

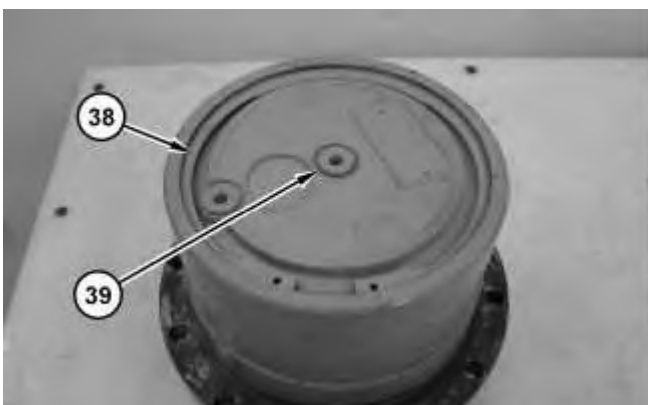


Illustration 20

g03353911

26. Use Tooling (B) in order to remove retaining ring (38).
27. Remove plug (39) and the O-ring seal.

<https://www.ebooklibonline.com>

Hello dear friend!

Thank you very much for reading.

Enter the link into your browser.

The full manual is available for immediate download.

<https://www.ebooklibonline.com>