

Product: EXCAVATOR
Model: 365B EXCAVATOR BTH
Configuration: ISJ HEX COMMONALITY CHART BTH00001-UP (MACHINE)

Disassembly and Assembly

365B, 365B Series II, 365BL and 365BL Series II Excavators Machine Systems

Media Number -REN1970-10

Publication Date -01/02/2015

Date Updated -16/02/2015

i01492295

Travel Motor - Disassemble

SMCS - 4351-015

Disassembly Procedure

Table 1

Required Tools			
Tool	Part Number	Part Description	Qty
(A)	1P-1864	Pliers	1
(B)	1P-1858	Pliers	1
(C)	138-7575	Link Bracket	2
(D)	1P-0520	Driver Group	1

Start By:

- A. Remove the travel motor. Refer to Disassembly and Assembly, "Travel Motor - Remove and Install " in this manual.

NOTICE

Care must be taken to ensure that fluids are contained during performance of inspection, maintenance, testing, adjusting and repair of the product. Be prepared to collect the fluid with suitable containers before opening any compartment or disassembling any component containing fluids.

Refer to Special Publication, NENG2500, "Caterpillar Tools and Shop Products Guide" for tools and supplies suitable to collect and contain fluids on Caterpillar products.

Dispose of all fluids according to local regulations and mandates.

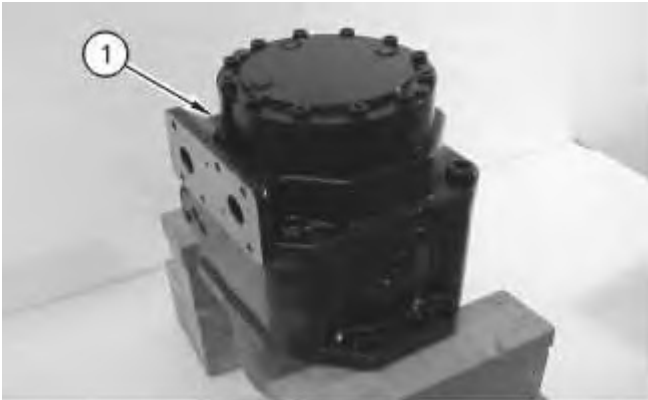


Illustration 1

g00574938

1. Thoroughly clean the outside of travel motor (1) prior to disassembly. Weight of the travel motor is 118 kg (260 lb).
2. Place an alignment mark across all housings of the travel motor for assembly purposes.

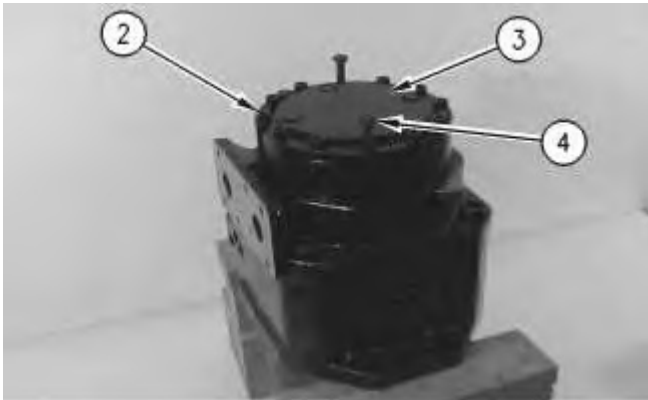


Illustration 2

g00575049

 **WARNING**

Personal injury can result from parts and/or covers under spring pressure.

Spring force will be released when covers are removed.

Be prepared to hold spring loaded covers as the bolts are loosened.

-
3. Remove two socket head bolts (2) from brake cover (3) that are 180 degrees from each other. Replace these two bolts with bolts (4) that are slightly longer in length. The two longer bolts will retain the brake cover when the remaining ten socket head bolts (2) are removed.
 4. Carefully remove the ten remaining socket head bolts (2) that retain the brake cover in position.
 5. Remove two longer bolts (4) from the brake cover.

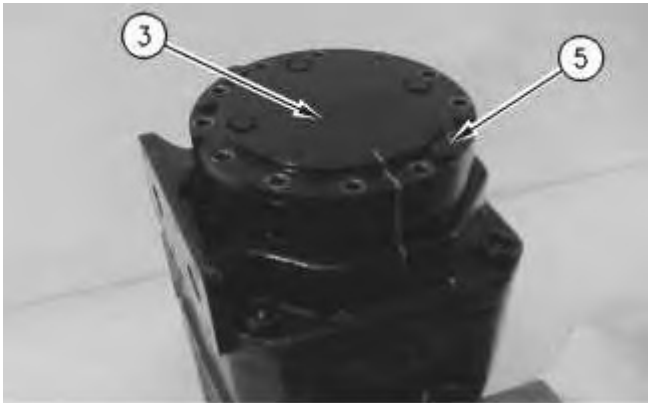


Illustration 3

g00575127

6. Remove two remaining hex head bolts (5) from brake cover (3) .
7. Remove brake cover (3) from the head assembly.



Illustration 4

g00575184

8. If necessary, remove the brake adjusting screws (6) from brake cover (3) .
-

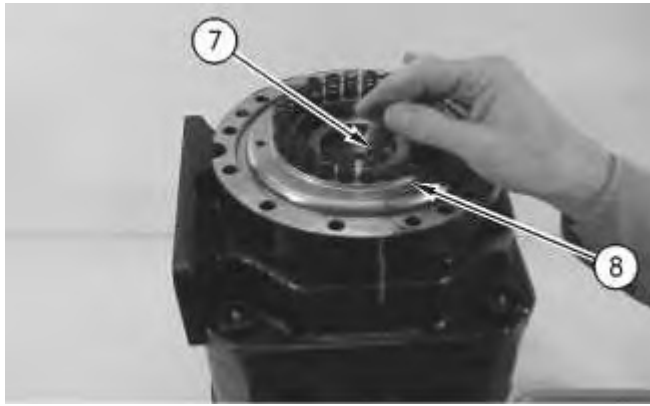


Illustration 5

g00575235

Note: There is an inner spring and an outer spring in each spring set.

9. Remove twenty-four spring sets from the brake and piston assembly.



Illustration 6

g00575277

10. Remove brake assembly (9) from head assembly (8) .

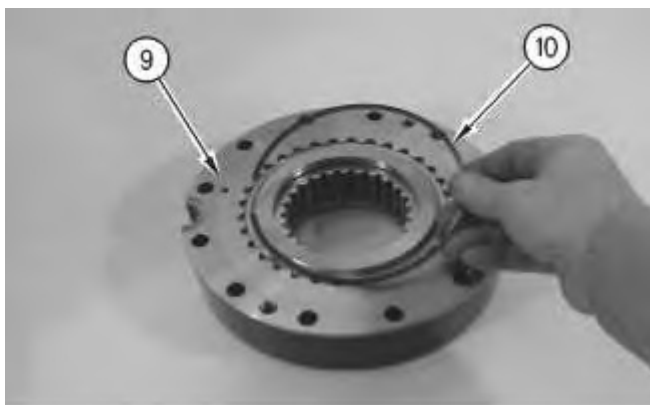


Illustration 7

g00575512

11. Remove ring (10) from brake assembly (9) .

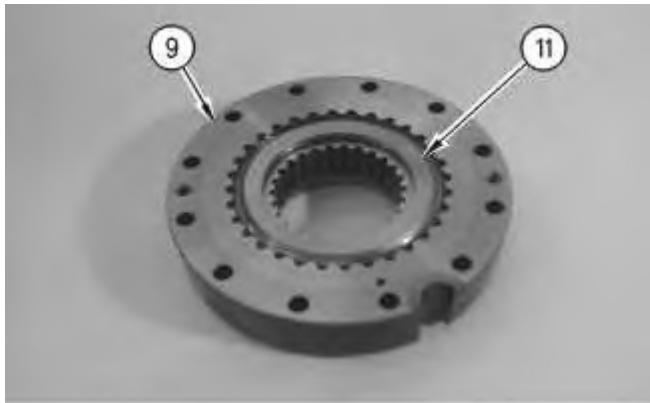


Illustration 8

g00575556

12. Remove retainer plate (11) from brake assembly (9) .

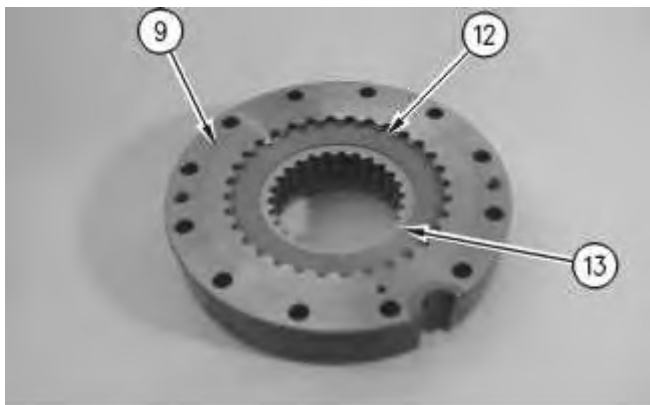
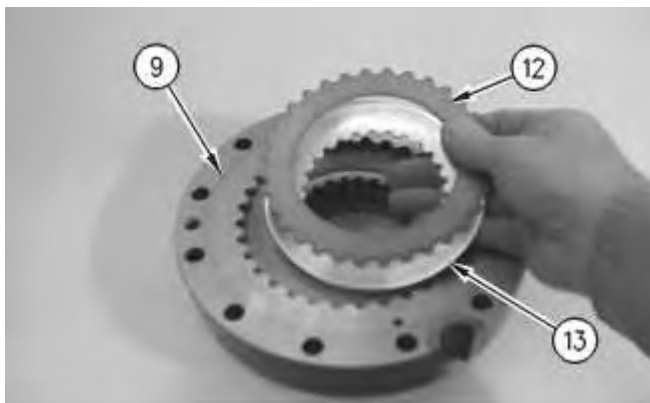


Illustration 9

g00575558



13. Remove external discs (12) and internal plates (13) from brake assembly (9) .

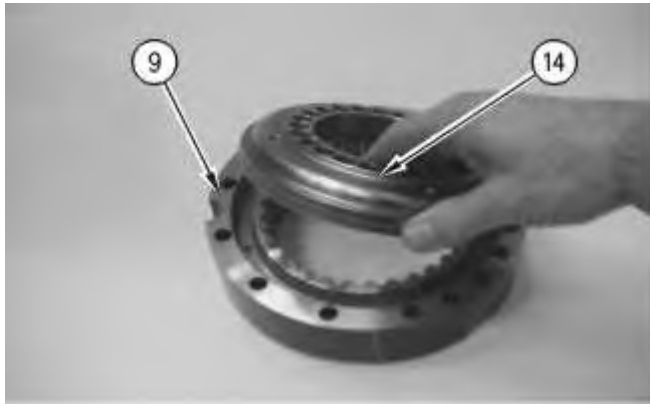


Illustration 11

14. Remove piston (14) from brake assembly (9) .

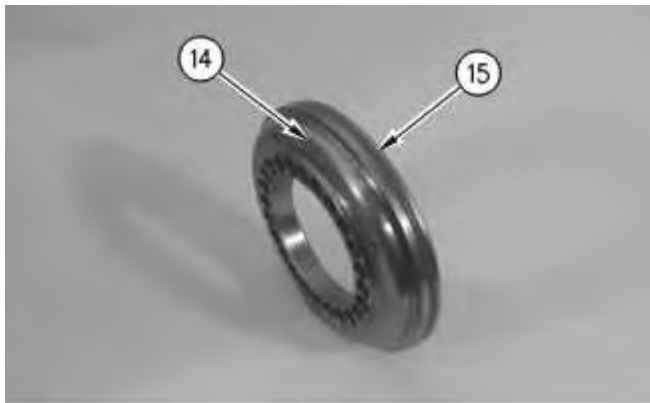


Illustration 12

15. Remove seal (15) from piston (14) .
-

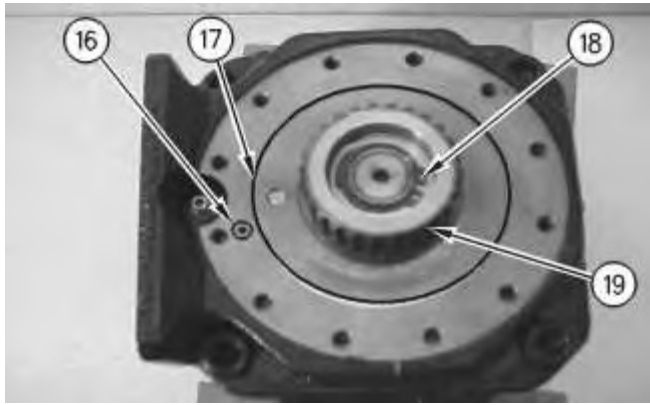


Illustration 13

g00575649

16. Remove O-rings (16) and (17) .
17. Remove retaining ring (18) from the shaft of the motor assembly. Remove gear (19) .

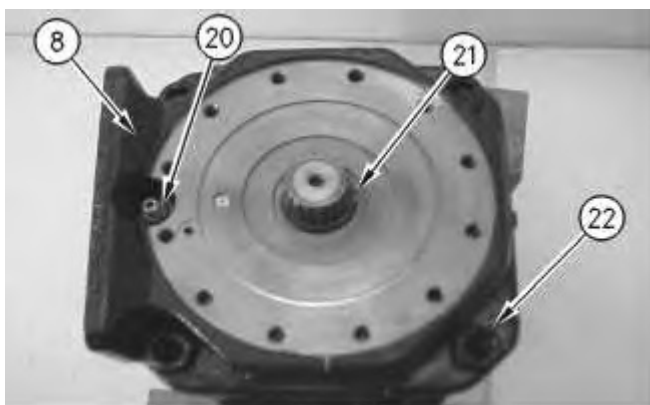


Illustration 14

g00575651

18. Use Tool (A) to remove retainer ring (21) .
Note: Measure the position of the rod assembly before removing. The nut and the rod assembly must be returned to the original location at assembly.
19. Remove the nut and bushing (20) from the rod assembly.
20. Remove four socket head bolts (22) from head assembly (8) .

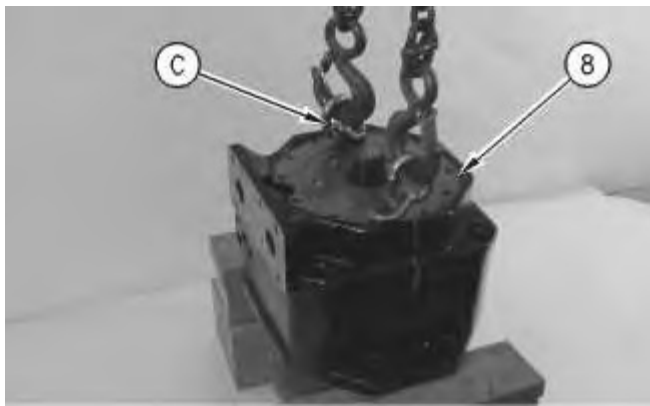


Illustration 15

g00575693

21. Attach Tooling (C) and a suitable lifting device to head assembly (8). Carefully remove the head assembly from the motor assembly. Weight of the head assembly is 244.7 N (55 lb).

Note: The port plate can remain with the pump housing when the head assembly is removed.

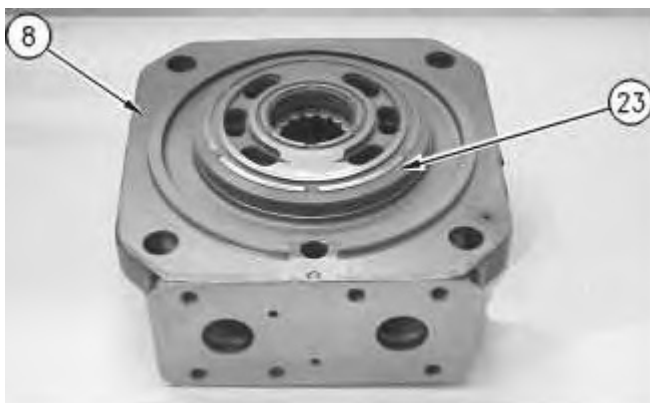
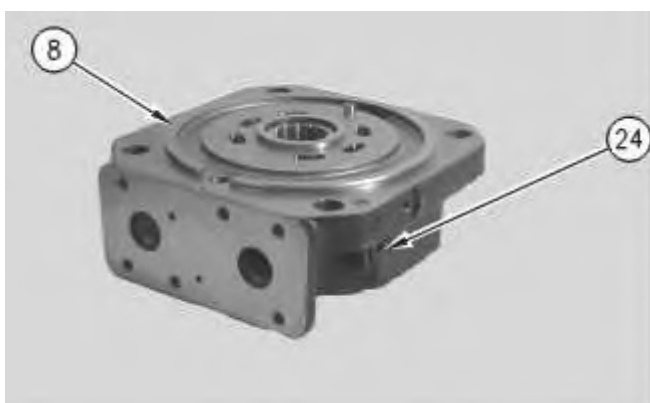


Illustration 16

g00616424

22. Remove port plate (23) from head assembly (8) .



23. Remove plug (24) from head assembly (8) .



Illustration 18

24. Remove check valve assembly (25) from head assembly (8) .

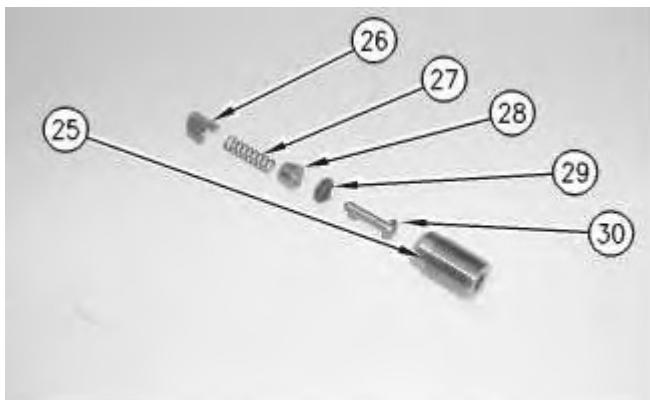


Illustration 19

25. Remove stem (30) from check valve (25) .

26. Remove seat (26), spring (27), guide (28), and seal (29) from stem (30) .

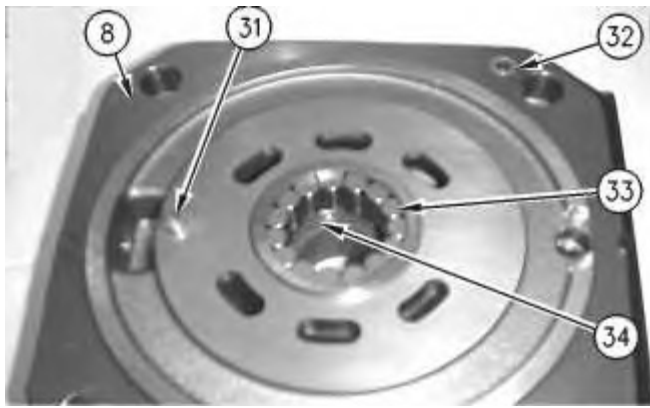


Illustration 20

g00575822

27. If necessary, remove pin (31) from the head assembly (8) .
28. Remove O-ring seal (32) from the head assembly.
29. Use Tooling (D) and a hammer to remove bearing (33) and seal (34) from the bore of the head assembly.

Note: The port plate can remain with the head assembly when the head assembly is removed from the pump housing.

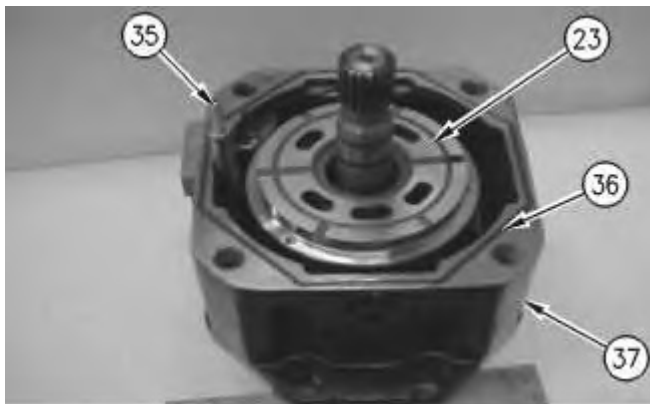


Illustration 21

g00577021

30. Remove rod assembly (35) from motor housing (37). If necessary, remove port plate (23). Remove O-ring seal (36).



Download the full PDF manual instantly.

Our customer service e-mail:

aservicemanualpdf@yahoo.com