

Product: EXCAVATOR

Model: 307-A EXCAVATOR 2PM

Configuration: 307 TRACK-TYPE EXCAVATOR 2PM00257-UP (MACHINE) POWERED BY 4D32 ENGINE

Disassembly and Assembly 307 EXCAVATOR MACHINE SYSTEMS

Media Number -SEN6199-00

Publication Date -13/02/1995

Date Updated -02/07/2018

SEN61990030

Travel Drives & Motors (Two-Speed)

SMCS - 4050-017; 4164; 4340; 4351

Disassemble & Assemble Travel Drives & Motors (Two-Speed)

| Tools Needed | A | B | C | D | E | F | G |
|--|---|---|---|---|---|---|---|
| 6V-2156 Link Bracket | 2 | | | | | | |
| 1U-7600 Puller Group | | 2 | | | | | |
| 3B-7255 Bushing | | 2 | | | | | |
| 1U-9352 Engine Stand | | | 1 | | | | |
| 5P-0979 Tube Adapter | | | 1 | | | | |
| FT-1870 Adapter Assembly | | | 1 | | | | |
| 1U-9895 Crossblock | | | | 1 | | | |
| 3H-0456 Plate | | | | 4 | | | |
| M16 Threaded Rod 254 mm(10 in) Long | | | | 2 | | | |
| 8T-1757 Nut | | | | 4 | | | |
| 1P-0510 Driver Group | | | | | 1 | | |
| 1P-1858 Pliers | | | | | | 1 | |
| FT-1997 Strap Group | | | | | | | 1 |

| Tools Needed | | H | J | K | L |
|--------------|---------------------|---|---|---|---|
| 1P-0074 | Slide Hammer Puller | 1 | | | |
| 1P-1861 | Pliers | | 1 | | |
| 5P-9736 | Link Bracket | | | 2 | |
| 1U-6439 | Seal Installer | | | | 1 |

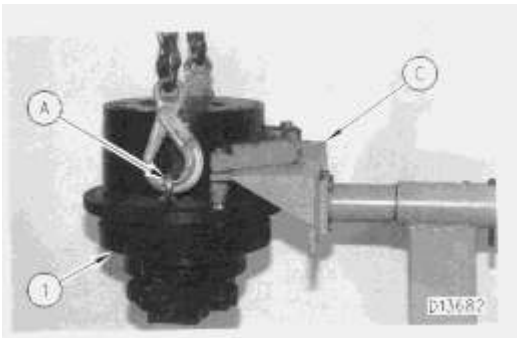
Start By:

- a. remove travel drives and motors

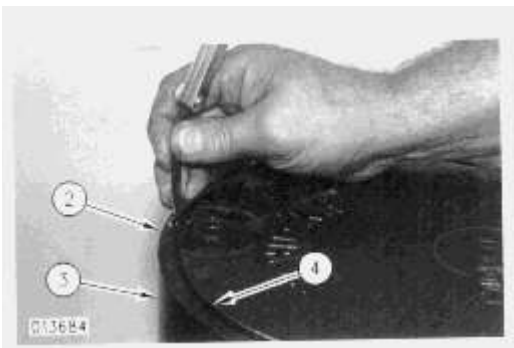
NOTE: During disassembly, put identification marks on all parts of the travel drive and motor for assembly purposes.

NOTICE

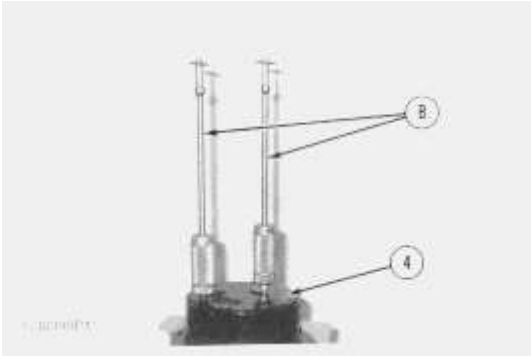
The travel drive and motor will be rotated using Tooling (C) during disassembly and assembly. Be sure the travel drive and motor is centered properly in Tooling (C) when it is mounted for correct balancing.



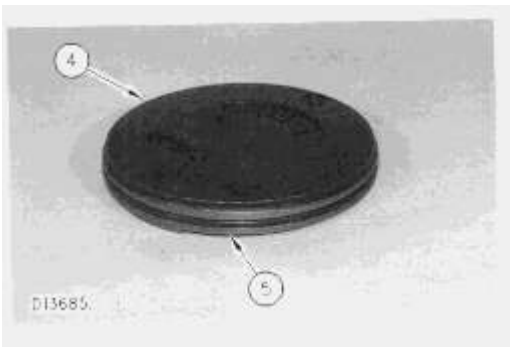
1. Fasten Tool (A) and a hoist to travel drive and motor (1) as shown. The weight of the travel drive and motor is **118 kg (260 lb)**. Fasten the travel drive and motor to Tooling (C) as shown. Drain the oil from the travel drive and motor into a suitable container for storage or disposal. The capacity of the final drive is **3.4 liters (.9 U.S. gal)**.



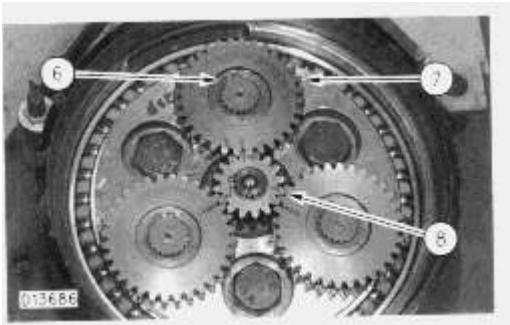
2. Using a .010 to .015 in feeler gauge, remove ring (2) from the groove between cover (4) and travel drive housing (3).



3. Remove the fill and drain plugs from cover (4) of the travel drive. Install a **3B-7255 Bushing** [part of Tooling (B)] in each threaded hold in the cover. Fasten a **1U-7600 Puller Group** to each bushing as shown. Carefully remove cover (4) from the housing.

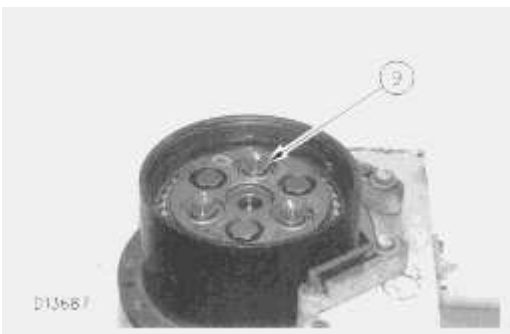


4. Remove O-ring seal (5) from cover (4).

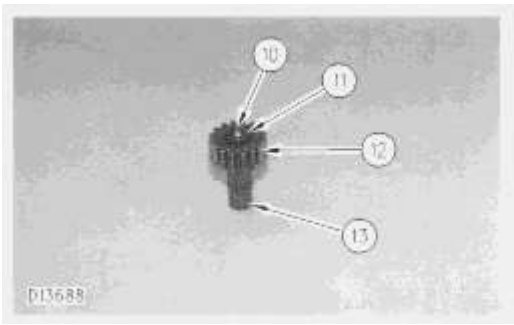


5. Remove gear assembly (8) from the travel drive.

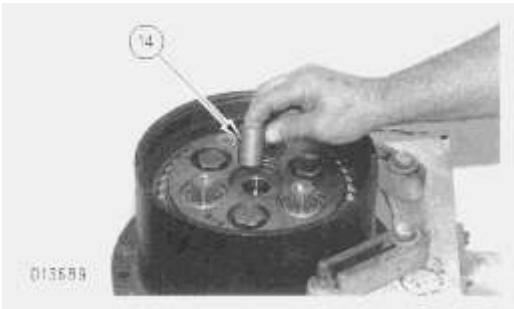
6. Using Tool (F), remove three retaining rings (6). Remove three gears (7) from the shafts.



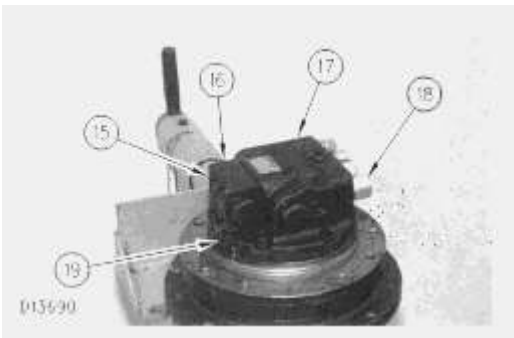
7. Remove spacers (9) from each shaft.



8. Disassemble gear assembly (8). Remove ball (10) from the end of shaft (13). Using Tool (F), remove retaining ring (11). Remove gear (12) from shaft (13).



9. Remove coupling (14) from the flange plate in the travel drive.



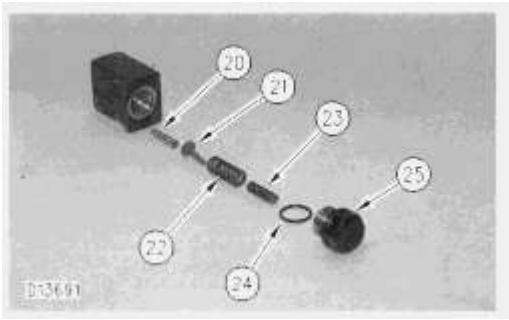
10. Using Tooling (C), turn the travel drive and motor over as shown.

11. Remove four socket head bolts (15) and surge cut valve (16).

12. Remove four fittings (18) from the cover assembly.

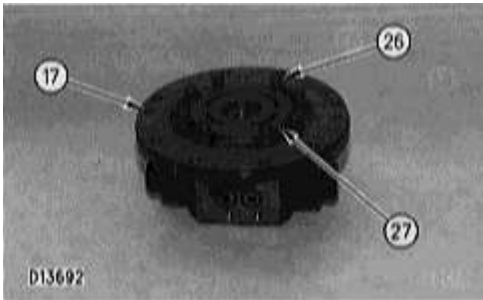
13. Remove eight socket head bolts (19). Carefully remove cover assembly (17) from the travel drive housing.

14. Disassemble surge cut valve (16) as follows:

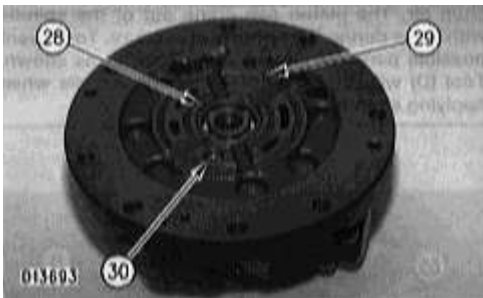


- a. Remove plug (25), spring (23), spring (22), stopper (21) and spool (20) from the valve body.
- b. Remove O-ring seal (24) from plug (25).

15. Disassemble cover assembly (17) as follows:



- a. Remove eight springs (26) from the cover assembly.
- b. Mark the position of timing plate (27) in relation to the cover assembly for installation purposes. Remove timing plate (27) from the cover assembly.



Thank you so much for reading.
Please click the “Buy Now!”
button below to download the
complete manual.



After you pay.

You can download the most
perfect and complete manual in
the world immediately.

Our support email:

ebooklibonline@outlook.com