



Service Repair Manual

Models

315D L Excavator

Product: EXCAVATOR

Model: 315D L EXCAVATOR KBD

Configuration: 315D L Excavator KBD00001-UP (MACHINE) POWERED BY C4.2 Engine

Disassembly and Assembly 315D, 318D and 319D Excavators Machine Systems

Media Number -KENR5272-13

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i05453130

Final Drive - Disassemble

SMCS - 4050-015

Disassembly Procedure

Table 1

| Required Tools | | | |
|----------------|-------------|---------------------------|-----|
| Tool | Part Number | Part Description | Qty |
| A | 1P-2420 | Transmission Repair Stand | 1 |
| B | 439-3938 | Link Bracket | 2 |
| C | 154-6181 | Forcing Bolt | 1 |
| D | 439-3940 | Link Bracket | 2 |
| E | 5F-7366 | Forcing Bolt | 1 |
| | 1P-5546 | Crossblock | 1 |
| | 1U-9889 | Crossblock | 1 |
| | 1P-0520 | Driver Group | 1 |
| | 6V-7888 | Puller Leg | 2 |
| | 1H-3112 | Puller Assembly | 1 |
| | 1P-5551 | Adjustable Screw Assembly | 1 |
| F | - | Loctite 5127 | 1 |

Start By:

- a. Remove the final drive.

Note: Cleanliness is an important factor. Before the disassembly procedure, thoroughly clean the exterior of the component. This action will prevent dirt from entering the internal mechanism.

1. Put an alignment mark across the sections of the final drive for assembly purposes. The parts must be reinstalled in the original locations.



Illustration 1

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2. Fasten the final drive to Tooling (A), as shown. The combined weight of the final drive and final drive sprocket is approximately 312 kg (688 lb).
3. Remove bolts (1) and the washers that hold the cover in position.

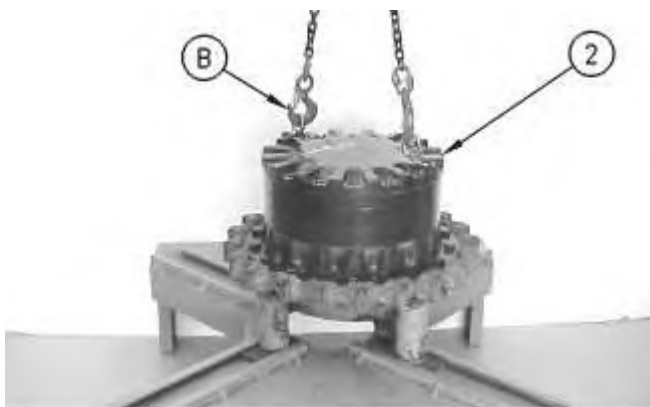


Illustration 2

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4. Remove the setscrews from cover (2), and fasten Tooling (B) and a suitable lifting device to cover (2), as shown. The weight of cover (2) is approximately 32 kg (70 lb). Remove cover (2).
-

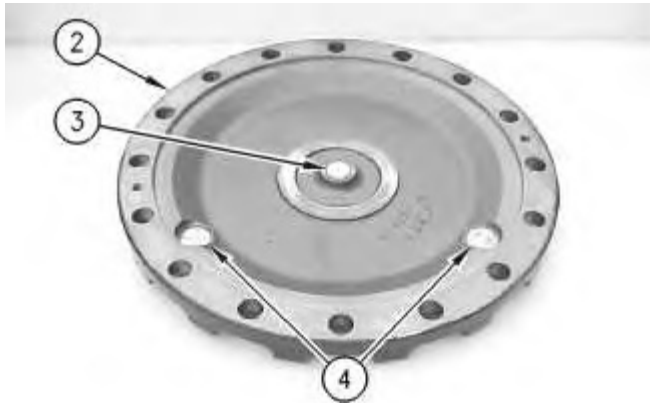


Illustration 3

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5. Remove thrust plate (3) from cover (2).
6. Remove plugs (4) from cover (2).



Illustration 4

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7. Remove O-ring seals (5) from both plugs (4) that were in the cover.

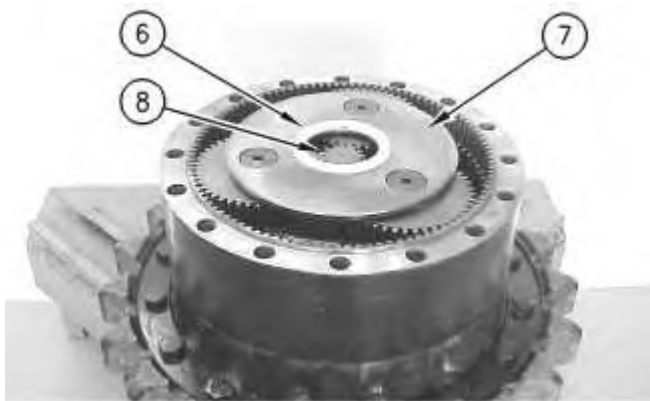


Illustration 5

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8. Remove spacer (6) from carrier assembly (7).
9. Remove sun gear (8) from carrier assembly (7).

10. Remove carrier assembly (7) by lifting the carrier assembly straight up. The weight of carrier assembly (7) is approximately 14 kg (30 lb).

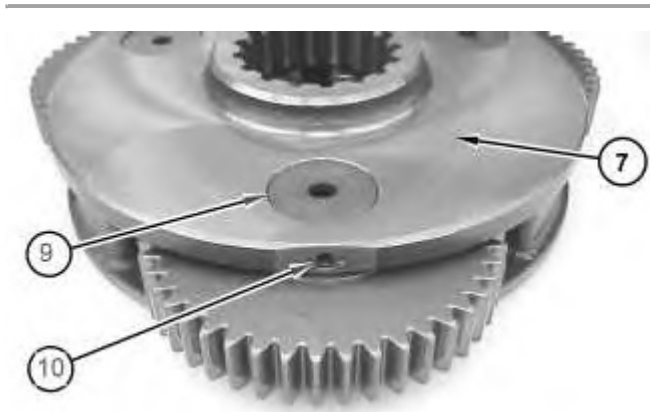


Illustration 6

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11. Disassemble carrier assembly (7), as follows.

- a. Drive spring pin (10) into planetary shaft (9) with a hammer and a punch.

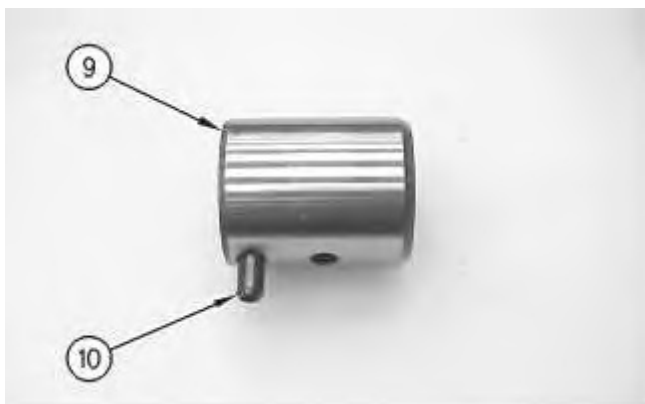
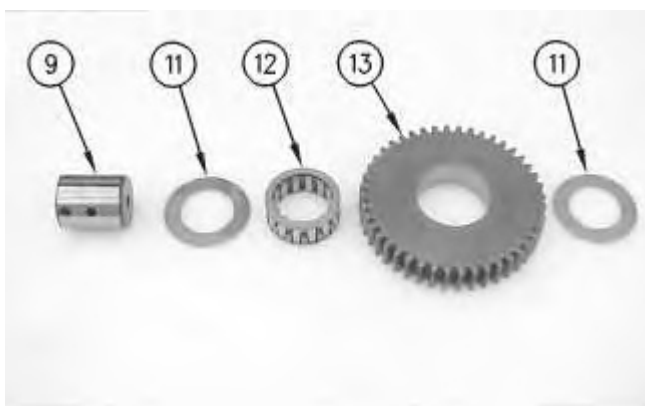


Illustration 7

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- b. Remove planetary shaft (9) with spring pin (10) from the carrier assembly.
c. Remove spring pin (10) from planetary shaft (9) with a hammer and a punch.



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