

Product: EXCAVATOR
 Model: 325 L EXCAVATOR 2JK
 Configuration: 325, 325L EXCAVATOR 2JK00001-UP (MACHINE)

Disassembly and Assembly 325, 325B and 325L Excavators

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Final Drive - Disassemble

SMCS - 4050-015

Disassembly Procedure For The Final Drive On CIPI Undercarriage Arrangements Which Are Based On 325 and 325B Track Type Excavators

Table 1

Required Tools			
Tool	Part Number	Part Description	Qty
A	1P-2420	Transmission Repair Stand	1
B	138-7573	Link Bracket	2
C	1P-1860	Retaining Ring Pliers	1
D	6B-6682	Full Nut	1
	1P-5546	Crossblock	1
	5P-8248	Hard Washer	4
	6V-3142	Plate	1
		⁽¹⁾ Threaded Rod	1
		⁽²⁾ Spacer	4
E	138-7574	Link Bracket	2
F	8B-7561	Step Plate	1
	5F-7465	Puller Gp	1
	1H-3107	Push-Puller Tool Gp	1

1H-3112	Bearing Cup Puller Gp	1
1P-5551	Adjustable Screw Assembly	1

(1) The 16 NF threaded rod is 280 mm (11 inch) long × 19 mm (0.75 inch) in diameter.

(2) The spacer's outer diameter is 64 mm (2.5 inch). The spacer's inner diameter is 25.4 mm (1.0 inch). The spacer's thickness is 6.4 mm (.25 inch).

Start By:

A. Remove the final drive. Refer to Disassembly and Assembly, "Final Drive - Remove" in this manual.

1. Thoroughly clean the outside of the final drive prior to disassembly.
2. Put an alignment mark across the sections of the final drive for assembly purposes. The parts must be reinstalled in the part's original locations.

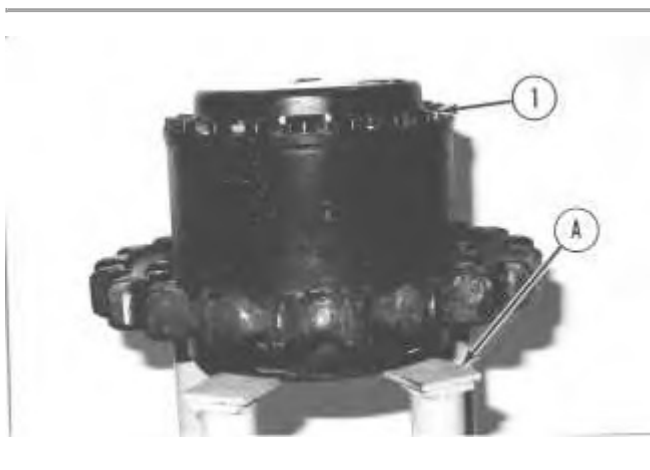
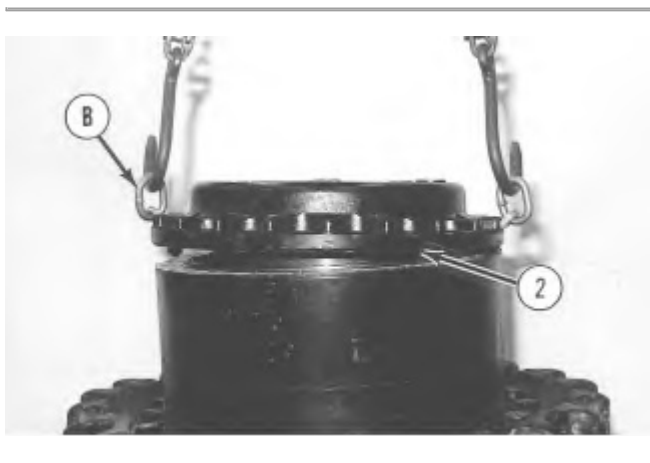


Illustration 1

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3. Fasten the final drive to Tool (A), as shown. The combined weight of the final drive and final drive sprocket is approximately 361 kg (795 lb).
4. Remove 20 bolts (1) and the washers that secure the cover to the final drive.



5. Use a soft faced hammer and break the seal between cover (2) and the ring gear. Fasten Tool (B) and a hoist to cover (2), as shown. Remove the cover. The weight of the cover is approximately 32 kg (70 lb).



Illustration 3

6. Remove thrust plate (5) from the cover.
7. Remove 12 socket head bolts (3) and ring gear (4) from the cover.

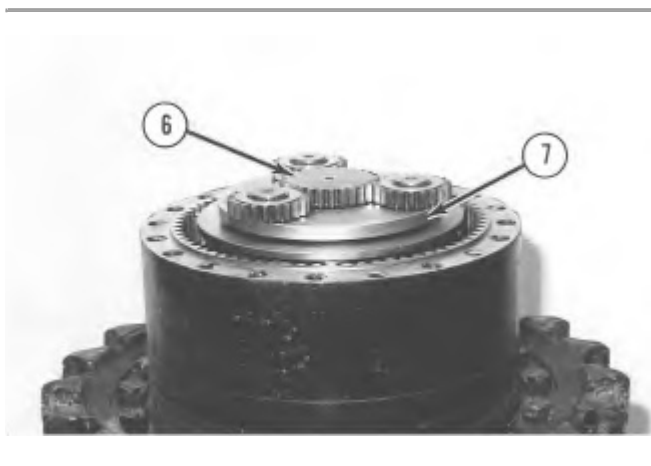


Illustration 4

8. Remove sun gear (6). Remove carrier assembly (7) by lifting the carrier assembly straight up. The weight of the carrier assembly is approximately 14 kg (30 lb).
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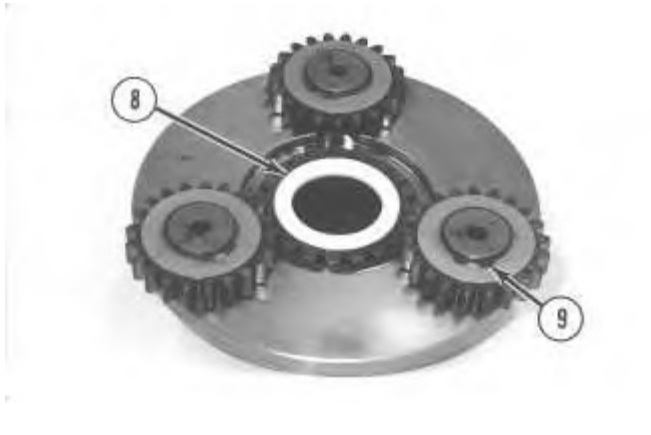


Illustration 5

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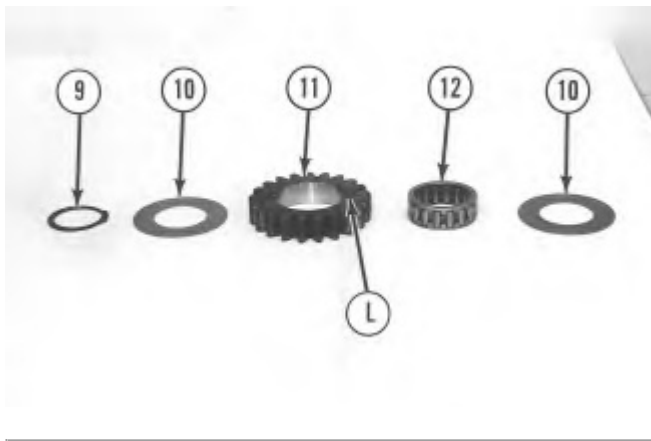


Illustration 6

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Note: Two spacers (8) are used with carrier assembly (7). One of the spacers fits on the top side of carrier assembly (7). The other spacer (8) is located in the carrier of carrier assembly (15) .

9. Remove spacer (8) from carrier assembly (7) .

Note: Planetary gears (11) might have oil grooves "L". Note the position of the oil grooves in relation to the carrier for assembly purposes.

10. Remove retaining ring (9) with Tool (C). Remove two thrust washers (10) and planetary gear (11) from the carrier. Remove bearing (12) from the planetary gear.

11. Repeat Step 10 in order to remove the other two planetary gears from the carrier.



Illustration 7

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12. Use a screwdriver, and remove retaining ring (13) from the carrier. Remove sun gear (14) from the carrier.

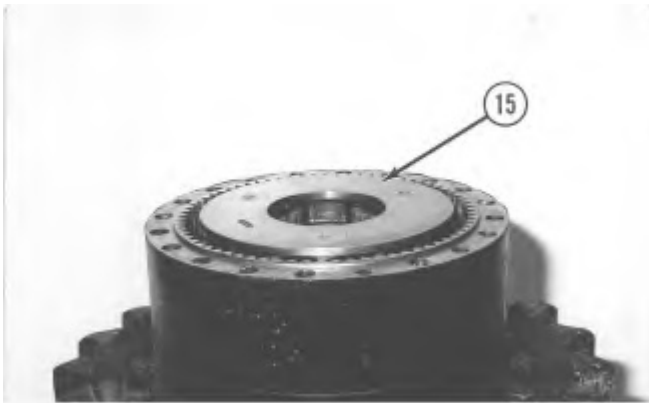


Illustration 8

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13. Use two people in order to remove carrier assembly (15). Remove the carrier assembly by pulling the carrier assembly straight up. The weight of the carrier assembly is approximately 25 kg (55 lb).



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