



# Service Repair Manual

## **Models**

374F L Excavator

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Product: EXCAVATOR

Model: 374F L EXCAVATOR DNM

Configuration: 374F L Excavator DNM00001-UP (MACHINE) POWERED BY C15 Engine

## Disassembly and Assembly 374F Excavator Machine Systems

Media Number -UENR0163-04

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i05793237

# 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              | 439-3940    | Link Bracket                  | 3   |
| C              | 439-3941    | Link Bracket                  | 2   |
| D              | 385-7874    | Hydraulic Wrench              | 1   |
|                | 385-8479    | Hydraulic Pump and Motor Gp   | 1   |
|                | 9U-7418     | <sup>(1)</sup> Hex Bit Socket | 1   |
| E              | 176-6536    | Forcing Bolt                  | 2   |

<sup>(1)</sup> Cut the tool to length (X). Length (X) is equal to 14 mm (0.55 inch). Refer to Step 27 for the correct modification.

### Start By:

A. Remove the final drive.

1. Thoroughly clean the outside of the final drive prior to disassembly.
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Illustration 1

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2. Fasten the final drive to Tooling (A). Put an alignment mark across the sections of the final drive for assembly purposes. All parts must be reinstated in the original locations. The weight of the final drive is approximately 817 kg (1800 lb).

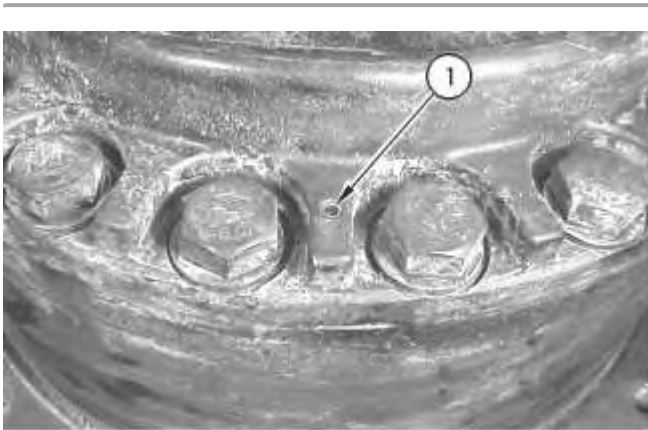


Illustration 2

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3. Remove socket head bolts (1) from the final drive cover.



Illustration 3

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4. Attach Tooling (C) and a suitable lifting device to cover (2). The weight of cover (2) is approximately 66 kg (145 lb).
5. Remove bolts (3). Use a suitable hammer to break the seal between cover (2) and the ring gear. Remove cover (2).

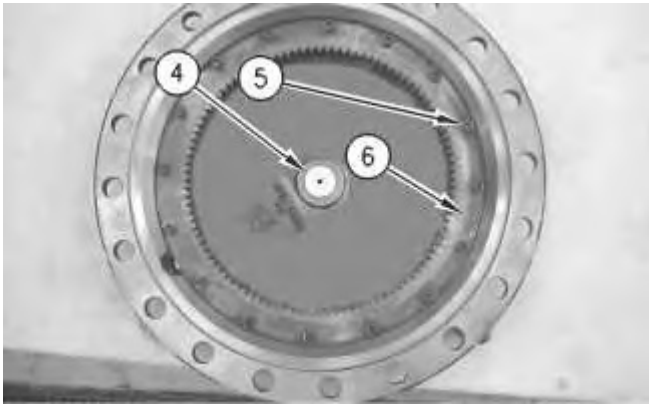


Illustration 4

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6. Remove spacer (4) and the shims from the cover.
7. Remove socket head bolts (5) and ring gear (6) from the cover.



Illustration 5

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8. Remove sun gear (7) .
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Illustration 6

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9. Use Tooling (B) and a suitable lifting device to remove carrier assembly (8). The weight of carrier assembly (8) is approximately 30 kg (55 lb).

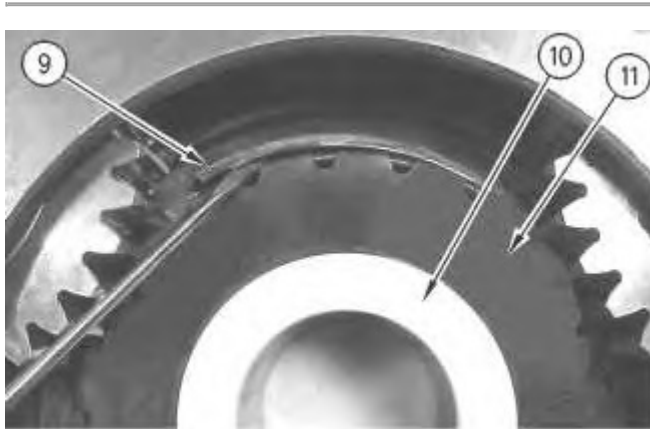


Illustration 7

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10. Remove retaining ring (9), spacer (10), and sun gear (11) .

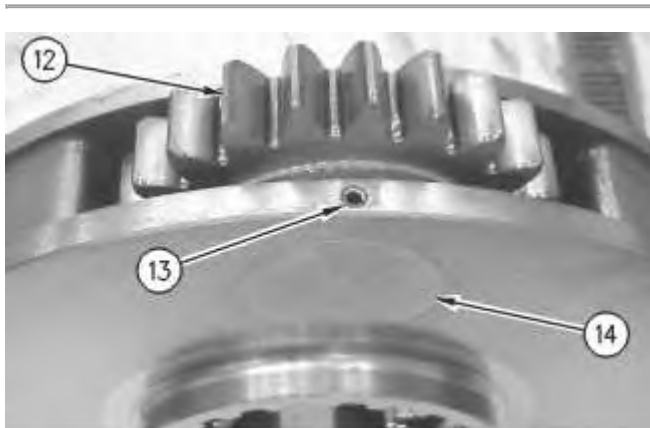


Illustration 8

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