



# Service Repair Manual

## **Models**

D6R II TRACK-TYPE TRACTOR

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Product: TRACK-TYPE TRACTOR

Model: D6R II TRACK-TYPE TRACTOR BPZ

Configuration: D6R SERIES II TRACK-TYPE TRACTOR DIFFERENTIAL STEERING BPZ00501-UP (MACHINE) POWERED BY C-9 ENGINE

## Disassembly and Assembly

### D6R Series II Track-Type Tractor Power Train

Media Number -REN4271-03

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i01618664

## Final Drive - Disassemble

SMCS - 4050-015

## Disassembly Procedure

Table 1

| Required Tools |             |                  |     |
|----------------|-------------|------------------|-----|
| Tool           | Part Number | Part Description | Qty |
| A              | 138-7573    | Link Bracket     | 3   |
| A              | 1A-2029     | Bolt             | 3   |
| B              | 1P-510      | Driver Group     | 1   |
| C              | FT-1934     | Beam             | 1   |
| C              | 6V-3160     | Cylinder         | 1   |
| C              | 6V-9061     | Pump Group       | 1   |
| C              | 1D-4621     | Bolt             | 4   |
| D              | 138-7574    | Link Bracket     | 2   |
| D              | 2A-1538     | Bolt             | 2   |

### Start By:

- Remove the final drives. Refer to Disassembly and Assembly, "Final Drive - Remove" for the correct procedure.

**Note:** Cleanliness is an important factor. Before the disassembly procedure, the exterior of the component should be thoroughly cleaned. This will help to prevent dirt from entering the internal mechanism.

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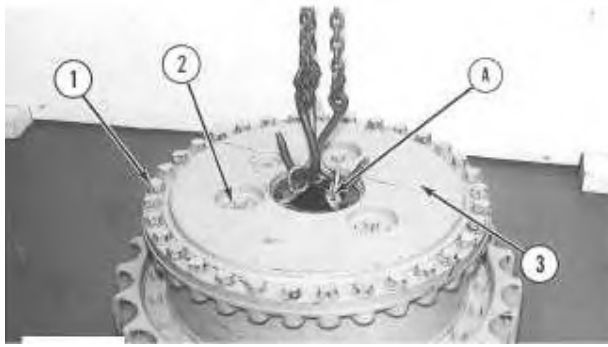


Illustration 1

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1. Install Tooling (A) on the planetary carrier. Attach a hoist.
2. Remove bolts (1) that hold the planetary carrier to the hub. Remove planetary carrier (3) and the two O-ring seals from the hub. The weight of the planetary carrier is approximately 137 kg (302 lb).
3. Remove three retainers (2) .

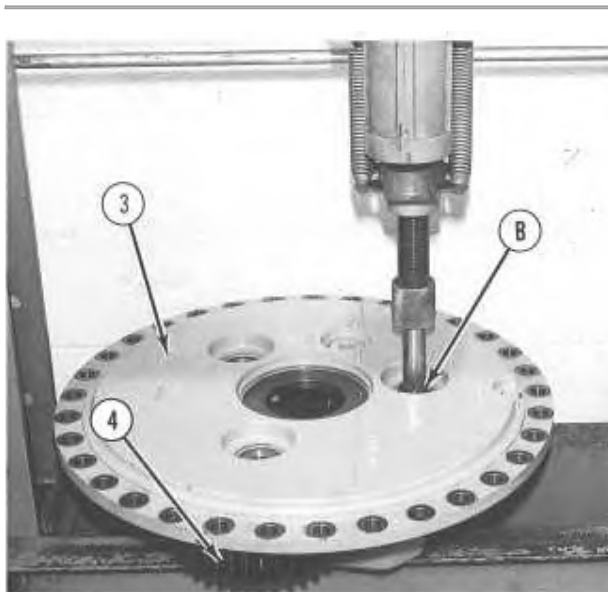


Illustration 2

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4. Place support under planetary carrier (3) in order to prevent damage. Use Tooling (B) and a press to remove the three planetary gear shafts.
5. Remove three planetary gears (4) from carrier (3) .



Illustration 3

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6. Remove bearing cones (5) from each gear (4) .
7. Remove the bearing cups from each side of the gears.



Illustration 4

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Illustration 5

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8. Remove bolts (6) and retainer (7) .
9. Use nylon straps and a hoist to remove the hub and ring gear (8). The weight of the hub and ring gear (8) is approximately 68 kg (150 lb).



Illustration 6

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10. Turn over hub (9) and ring gear (8). Remove retaining ring (10). The weight of hub (9) is approximately 37 kg (82 lb). The weight of ring gear (8) is approximately 32 kg (71 lb). Use nylon straps and a hoist to remove hub (9) .

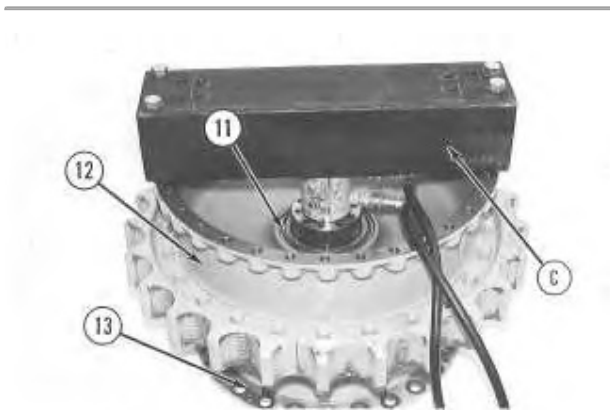


Illustration 7

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11. Install Tooling (C) on hub (12).

**Note:** Do not lift hub (12) too high. Do not allow hub (12) to contact the fitting on the hydraulic cylinder.

12. Use Tooling (C) to loosen hub (12) from spindle (13). Remove Tooling (C) .
  13. Remove bearing cone (11) .
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