



# Service Repair Manual

## **Models**

# D6R III TRACK-TYPE TRACTOR

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Product: TRACK-TYPE TRACTOR

Model: D6R III TRACK-TYPE TRACTOR MTJ

Configuration: D6R Series III TRACK-TYPE TRACTOR PAT XL, PAT XW, PAT LGP Differential Steering MTJ00001-UP (MACHINE) POWERED BY C9 Engine

## Disassembly and Assembly D6R Series III Track-Type Tractor Power Train

Media Number -REN8173-06

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i04905904

# Steering Planetary and Brake - Disassemble

SMCS - 4132-015

## Disassembly Procedure

Table 1

Required Tools			
Tool	Part Number	Description	Qty
A	138-7575	Link Bracket	3
B	1P-0520	Driver Group	1
C	5B-4274	Forcing Bolt 3/8 - 16 by 3.5 inches	3

### Start By:

- A. Remove the right hand final drive, the planetary group, and the brake. Refer to Disassembly and Assembly, "Final Drive, Steering Planetary, and Brake (Right Side) - Remove".

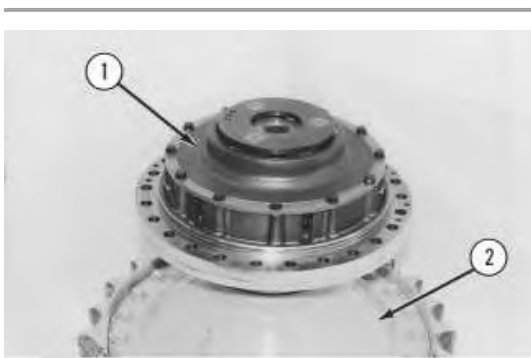


Illustration 1

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1. Position the final drive, the planetary group, and the brake, as shown.
2. Remove the bolts that hold the planetary group and brake (1) to final drive (2). The bolts are on the bottom (not shown).
3. Attach Tooling (A) and a suitable lifting device to the planetary group and brake.
4. Install Tooling (C) in the final drive hub.

5. Tighten the forcing screws evenly in order to remove the planetary group and brake (1) from final drive (2). The weight of planetary group and brake (1) is approximately 136 kg (300 lb).



Illustration 2

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 **WARNING**

**Personal injury can result from parts and/or covers under spring pressure.**

**Spring force will be released when covers are removed.**

**Be prepared to hold spring loaded covers as the bolts are loosened.**

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6. Remove bolts (3). Remove ring gear (4) from housing (5) .



Illustration 3

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7. Remove friction discs (6) and the brake plates from the housing.
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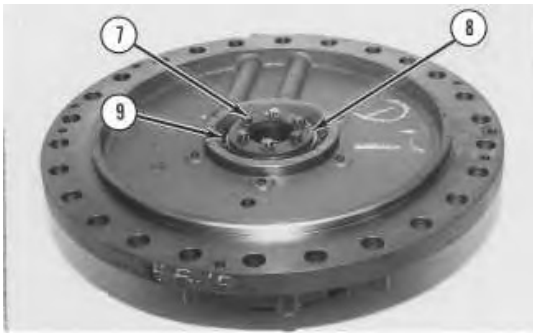


Illustration 4

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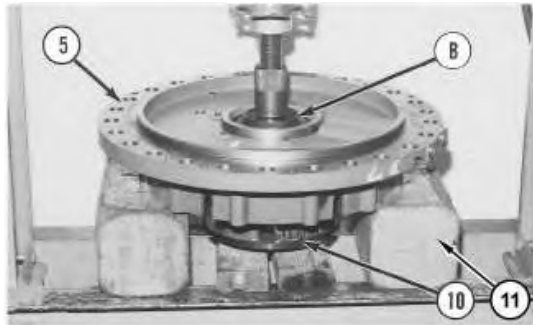


Illustration 5

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8. Remove bolts (7) and plate (8) .
9. Position the housing on suitable blocks (11) .

**Note:** Do not allow planetary carrier (10) to fall when the carrier is pressed from housing (5) .

**Note:** If a shim pack is present between the plate (8) and planetary carrier (10). Reuse the same shim pack during assembly only if reusing the same planetary carrier (10). If a new planetary carrier (10) is being used the shim pack should be discarded.

10. Use Tooling (B) and a suitable press to remove planetary carrier (10) from housing (5) .
11. Remove bearing cone (9) from the housing.



Illustration 6

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12. Remove ring (14) from planetary carrier (10). Remove bolts (13). Remove slinger (12) from the planetary carrier.

## NOTICE

**The component is destroyed if the component is removed.**

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13. If necessary, remove bearing cone (15) from planetary carrier (10) .



Illustration 7

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14. Use a hammer and a punch to push pin (17) in shaft (16) .



Illustration 8

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15. Remove shaft (16), planetary gear (19), discs (20), and bearings (21) from planetary carrier (10) .
16. Remove pin (17) from shaft (16) .
17. Repeat Steps 14 through 16 for the remaining planetary gears.
18. Remove sun gear (18) from planetary carrier (10) .



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