



# Service Repair Manual

## **Models**

# D6T TRACK-TYPE TRACTOR

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Product: TRACK-TYPE TRACTOR

Model: D6T TRACK-TYPE TRACTOR JNM

Configuration: D6T XL, XW, LGP VPAT Track-Type Tractor JNM00001-UP (MACHINE) POWERED BY C9.3 Engine

## Disassembly and Assembly D6T Track Type Tractor Power Train

Media Number -M0073303-04

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# Steering Planetary and Brake - Assemble

SMCS - 4132-016

## Assembly Procedure

Table 1

Required Tools			
Tool	Part Number	Description	Qty
A	439-3940	Link Bracket	3
D	6V-6640	Sealant	1

**Reference:** Refer to Specifications, "Brake and Planetary" in the Service Manual for your machine.



Illustration 1

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**Note:** Orient the disc spring with the outer edge downward.

1. Install ring (30) and spring (29) in housing (5).



Illustration 2

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2. Apply clean oil to seal ring (28).

**Note:** Orient the seal ring with the lip downward. Refer to Illustration 1.

3. Install seal ring (28) in piston (24).



Illustration 3

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4. Install piston (24) and O-ring seal (27) in the housing.



- Lower the temperature of bearing cups (25). Install bearing cups (25) in retainer (23).

**Note:** Orient the seal ring with the lip downward. Refer to Illustration 4.

- Apply clean oil to seal ring (26). Install seal ring (26) in retainer (23).



Illustration 5



**Improper assembly of parts that are spring loaded can cause bodily injury.**

**To prevent possible injury, follow the established assembly procedure and wear protective equipment.**

- Install retainer (23) on piston (24). Align the oil passage in retainer (23) with the oil passage and the O-ring seal in the housing. Install bolts (22).

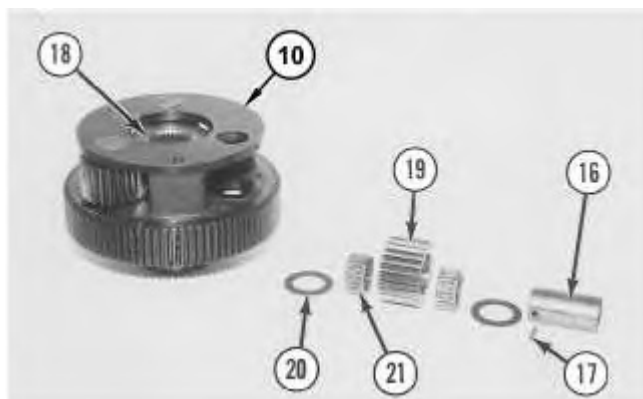


Illustration 6

8. Install sun gear (18) in planetary carrier (10).
9. Install bearings (21) in planetary gear (19).
10. Install discs (20) and planetary gear (19) in planetary carrier (10). Install shaft (16).



Illustration 7

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**Note:** If the rubber in pin (17) is damaged, replace pin (17).

11. Align the hole in shaft (16) with the hole in planetary carrier (10) and install pin (17). Install pin (17) until the pin is even with the surface of planetary carrier (10).
12. Repeat Steps 9 through 11 for the remaining planetary gears.

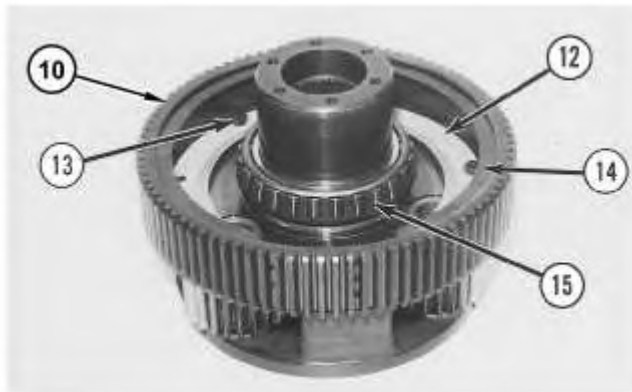


Illustration 8

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**Note:** If bearing cone (15) was removed from planetary carrier (10), a new bearing must be installed.

13. Raise the temperature of bearing cone (15). Install the bearing cone on planetary carrier (10).
14. Apply Tooling (D) to the flange of slinger (12).
15. Install slinger (12) on planetary carrier (10). Install bolts (13). Tighten the bolts to a torque of  $50 \pm 10 \text{ N}\cdot\text{m}$  ( $37 \pm 7 \text{ lb ft}$ ).

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