

Product: TRACK-TYPE TRACTOR

Model: D8T TRACK-TYPE TRACTOR MB8

Configuration: D8T TRACK-TYPE TRACTOR MB800001-UP (MACHINE) POWERED BY C15 Engine

Disassembly and Assembly D8R and D8T Track-Type Tractor Power Train

Media Number -M0076745-02

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i05354200

Final Drive - Remove and Install

SMCS - 4050-010

Removal Procedure

Table 1

Required Tools			
Tool	Part Number	Description	Qty
A	8T-3207	C - Frame Lifting As	1
	5P-8622	Clevis	1
	1D-4615	Bolts (3/4 - 10 by 5 1/2 inch)	2
	1B-4331	Nuts (3/4 - 10)	2
	5P-8248	Hard Washers (3.5 mm by 36.5 mm)	4

Start By:

- a. Separate the track.
- b. Remove the drive axle (outer only).

NOTICE

Care must be taken to ensure that fluids are contained during performance of inspection, maintenance, testing, adjusting, and repair of the product. Be prepared to collect the fluid with suitable containers before opening any compartment or disassembling any component containing fluids.

Refer to Special Publication, NENG2500, "Dealer Service Tool Catalog" for tools and supplies suitable to collect and contain fluids on Cat[®] products.

Dispose of all fluids according to local regulations and mandates.

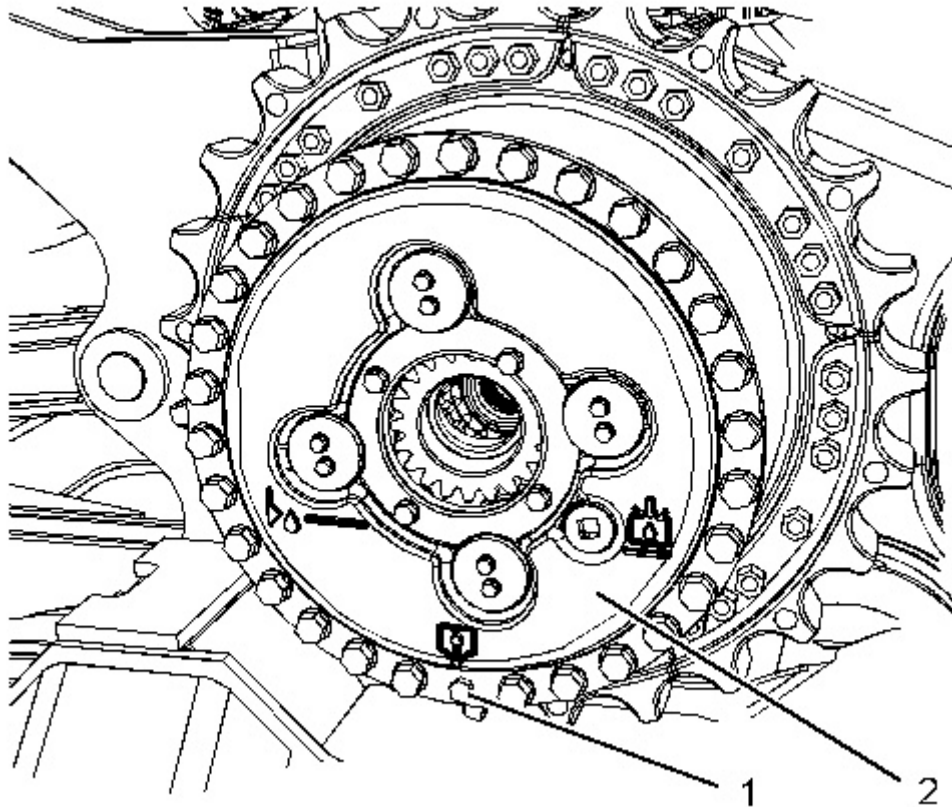


Illustration 1

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1. Rotate final drive (2) until drain plug (1) is at the 6 o'clock position. The oil capacity of final drive (2) is 14 L (3.7 US gal).
 2. Remove drain plug (1) from final drive (2). Drain the oil from final drive (2).
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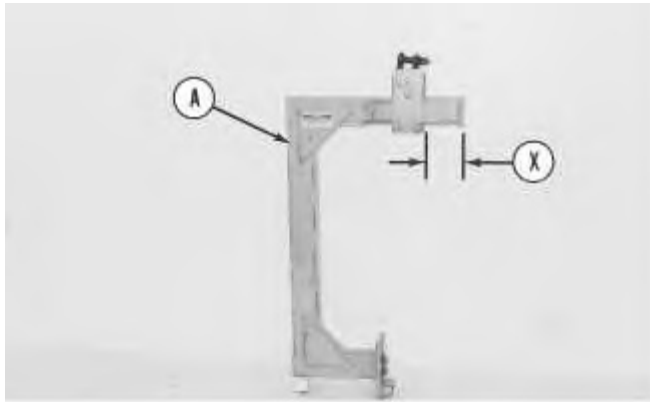


Illustration 2

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3. Adjust Tooling (A) until Dimension (X) is equal to 145 mm (5.7 inch). Install the lower bracket as shown in Illustration 2.

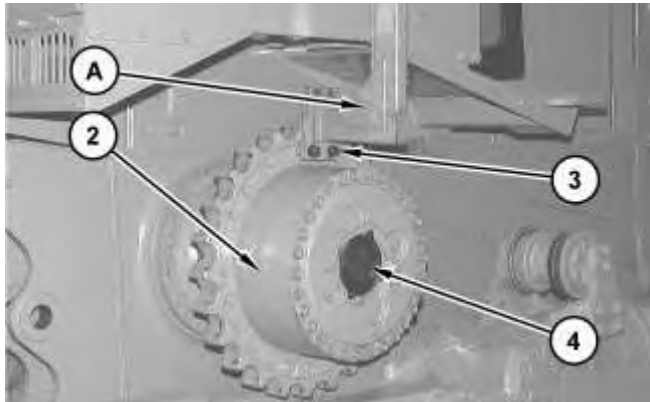


Illustration 3

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WARNING

Personal injury or death can result from lifting a heavy assembly.

The heavy assembly can fall if using an incorrect hoist to lift the load.

**Be sure the hoist has the correct capacity to lift a heavy assembly.
Approximate weight of the assembly is given below.**

4. Install cover (4).
5. Remove two nuts (3) and bolts from the sprocket segments.
6. Use a suitable lifting device and Tooling (A) on final drive (2). The weight of final drive (2) is approximately 670 kg (1480 lb).

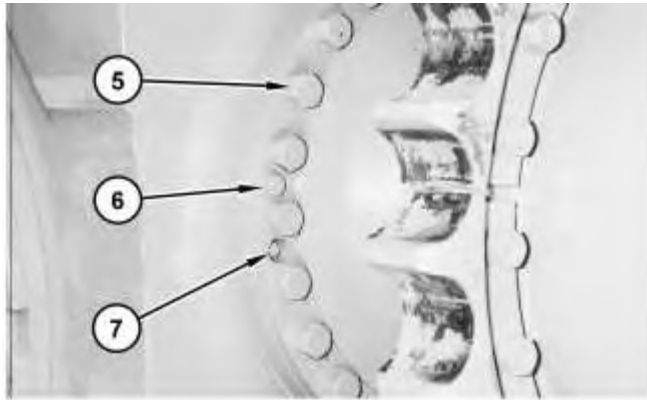


Illustration 4

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Note: Do not remove two bolts (7).

7. Remove bolts (5).
8. Remove two bolts (6).
9. Use Tooling (A) and a suitable lifting device to remove the final drive from the machine.
10. Remove the O-ring seal from the face of the final drive hub.

Installation Procedure

1. Install final drive (2) in the reverse order of removal.
 - a. Tighten bolts (5) to a torque of $800 \pm 90 \text{ N}\cdot\text{m}$ ($590 \pm 66 \text{ lb ft}$).
 - b. Apply SAE 30W to the threads of the two sprocket segment bolts. Tighten nuts (3) to a torque of $300 \pm 50 \text{ N}\cdot\text{m}$ ($221 \pm 36 \text{ lb ft}$). Tighten nuts (3) by another 1/3 turn. The final torque of nuts (3) must be a minimum of $570 \text{ N}\cdot\text{m}$ (420 lb ft).
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