



Service Repair Manual

Models

D6R III TRACK-TYPE TRACTOR

Product: TRACK-TYPE TRACTOR

Model: D6R III TRACK-TYPE TRACTOR WCB

Configuration: D6R Series III TRACK-TYPE TRACTOR XL PAT, XW PAT, LGP PAT Differential Steering WCB00001-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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i02616829

Final Drive - Remove

SMCS - 4050-011

Removal Procedure

Table 1

Required Tools			
Tool	Part Number	Part Description	Qty
A	FT-1952	Axle Removal Tool	1
B	8T-3207	Lifting Bracket	1
	5P-8622	Shackle	1
	2D-4593	5/8 - 11 by 5 1/2 inch	2
	1B-4331	5/8 - 11 inch	2
	2S-5658	Washer	4

Start By:

- Separate the track. Refer to Disassembly and Assembly, "Track - Separate".

Note: The planetary carriers of the final drives can be removed directly from the machine. Refer to Disassembly and Assembly, "Final Drive Planetary Carrier (In Chassis) - Remove".



Without the sun gear in place, the brakes are ineffective. Personal injury or death could result. Provide other means to hold or stop the machine.

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.

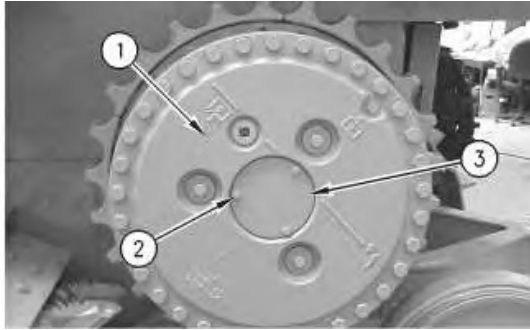


Illustration 1

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1. Remove bolts (2) and cover (3) from final drive (1).

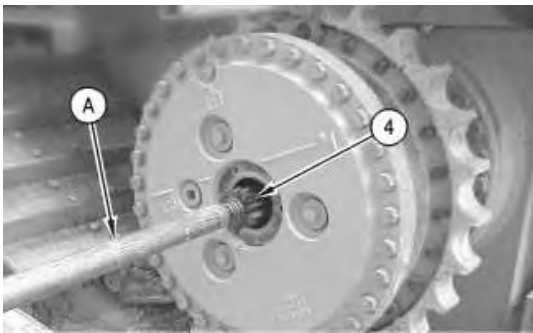


Illustration 2

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2. Use Tooling (A) to remove axle (4).

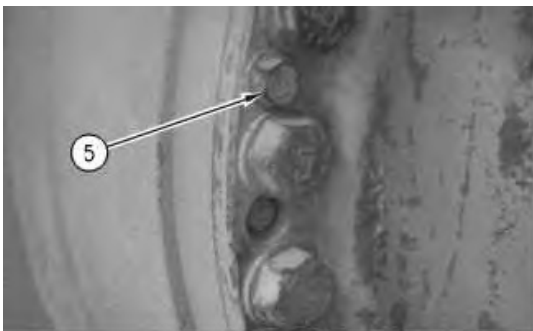


Illustration 3

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3. Remove two bolts (5).
-

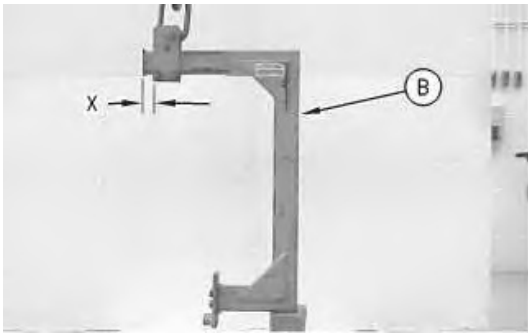


Illustration 4

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4. Adjust the top bracket of Tooling (B) until Dimension (X) is 222.25 mm (8.750 inch).

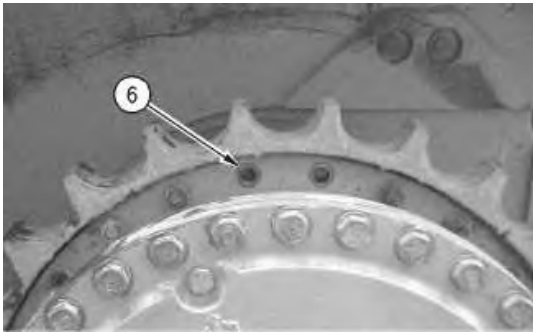


Illustration 5

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5. Remove two bolts (6) from the sprocket segment.

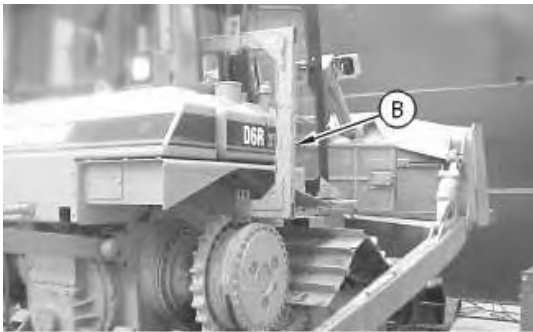


Illustration 6

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6. Fasten Tooling (B) and a suitable lifting device to the final drive.

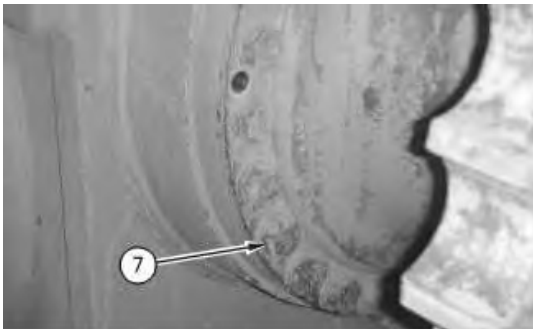


Illustration 7

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7. Remove bolts (7) that hold the final drive and the brake together.

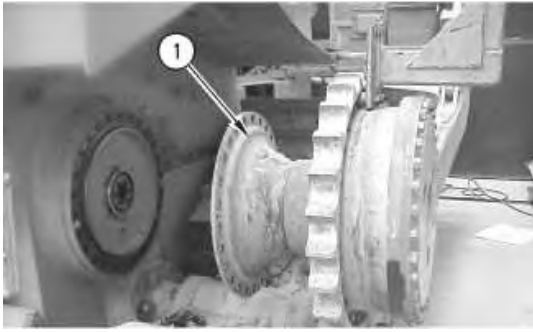


Illustration 8

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8. Use Tooling (B) to remove final drive (1) from the machine. The weight of final drive (1) is approximately 454 kg (1000 lb).

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