



# Service Repair Manual

## **Models**

# D7R TRACK-TYPE TRACTOR

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Product: TRACK-TYPE TRACTOR

Model: D7R TRACK-TYPE TRACTOR 2HR

Configuration: D7R Track-Type Tractor 2HR00001-UP (MACHINE) POWERED BY 3306 Engine

## Disassembly and Assembly D7R Track-Type Tractor Power Train

Media Number -SEN8342-03

Publication Date -01/06/2010

Date Updated -28/06/2010

i01596013

# Final Drive, Steering Clutch and Brake - Install

SMCS - 4050-012; 4100-012

## Installation Procedure

Table 1

Required Tools			
Tool	Part Number	Part Description	Qty
A	8T-3207	Lifting Bracket	1
	5P-8622	Shackle	1
	1D-4615	Bolt (3/4 inch by 10 by 5 1/2 inch)	2
	1B-4331	Nut (3/4 inch by 10)	2
	5P-8248	Washer	4



**WARNING**

**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.**

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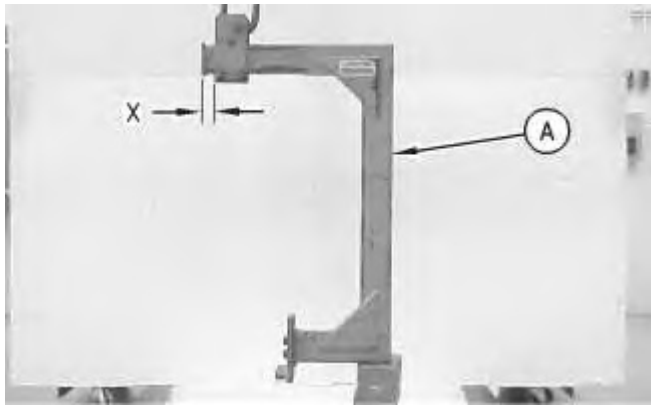


Illustration 1

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1. Adjust the top bracket of Tooling (A) until Dimension (X) is 76 mm (3.0 inch). Adjust the lower plate so that the spacers are oriented away from the vertical leg of the tool.

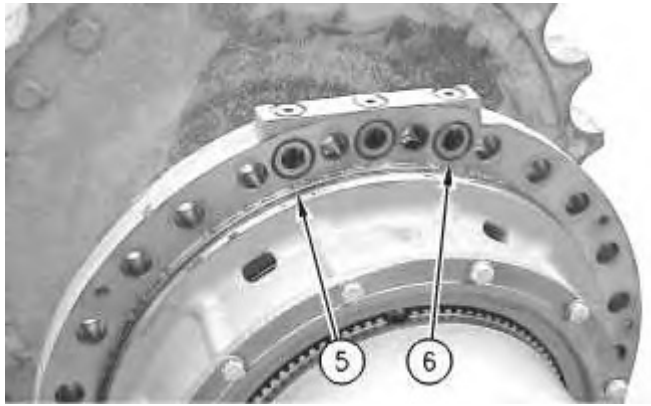


Illustration 2

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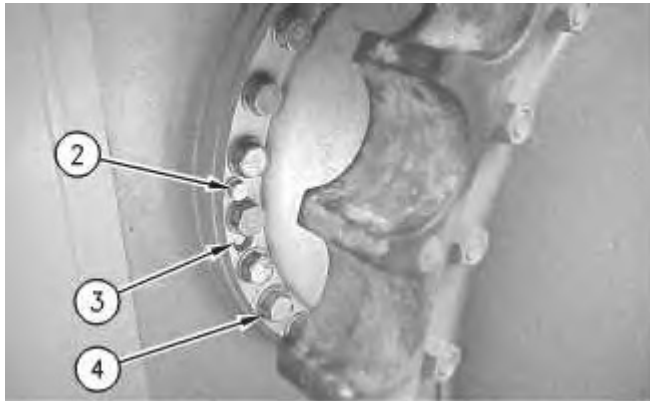
2. Install O-ring seal (5) in the steering clutch and brake. Install O-ring seals (6) .



Illustration 3

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3. Use Tooling (A) in order to install the final drive and the steering clutch and brake in the machine. The weight of the final drive, and the steering clutch and brake is approximately 775 kg (1700 lb).



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Illustration 4

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4. Install bolts (4) that hold the final drive, and the steering clutch and brake to the frame.

**Note:** Bolts (2) hold the final drive and the steering clutch and brake together.

5. Install bolts (3) that hold the steering clutch and brake to the frame.



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Illustration 5

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6. Remove Tooling (A) from the final drive.
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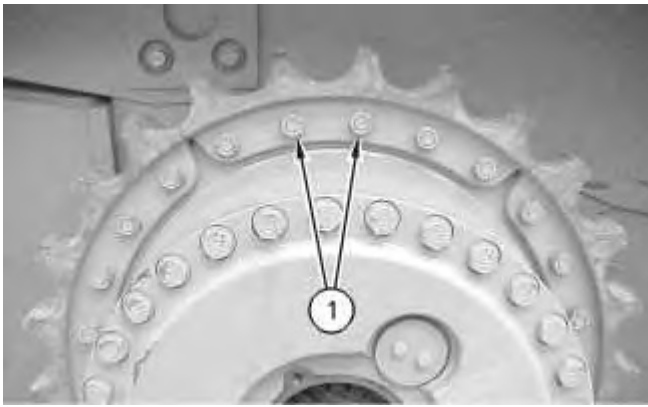


Illustration 6

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7. Install bolts (1) in the sprocket segment.

**End By:**

- a. Install the axle. Refer to Disassembly and Assembly, "Axle - Remove and Install".
- b. Connect the track. Refer to Disassembly and Assembly, "Track - Separate".
- c. Fill the final drive with oil. Refer to Operation and Maintenance Manual SEBU7235, "Final Drive Oil Level - Check".

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Media Number -SEN8342-03

Publication Date -01/06/2010

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i01569561

# Steering Clutch and Brake - Disassemble

SMCS - 4100-015

## Disassembly Procedure

Table 1

Required Tools			
Tool	Part Number	Part Description	Qty
A	138-7575	Link Bracket	3

### Start By:

- A. Separate the final drive from the steering clutch and from the brake. Refer to Disassembly and Assembly, "Final Drive, Steering Clutch, and Brake - Separate".

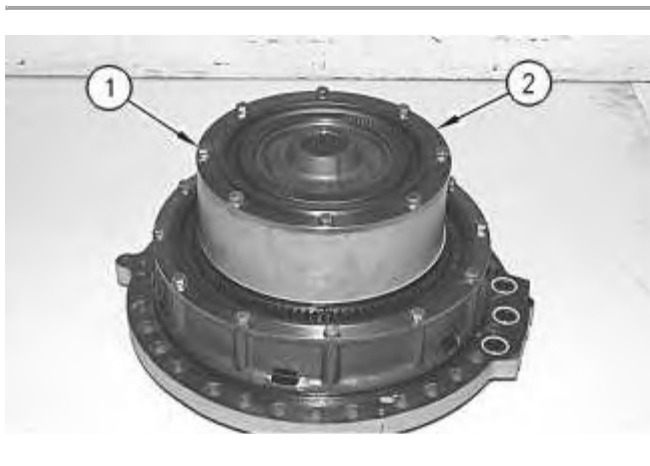


Illustration 1

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1. Remove bolts (1) and plate (2) .

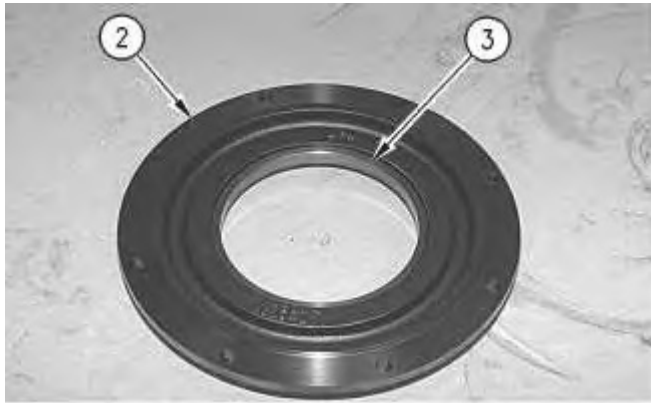


Illustration 2

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2. Remove sleeve bearings (3) from plate (2) .

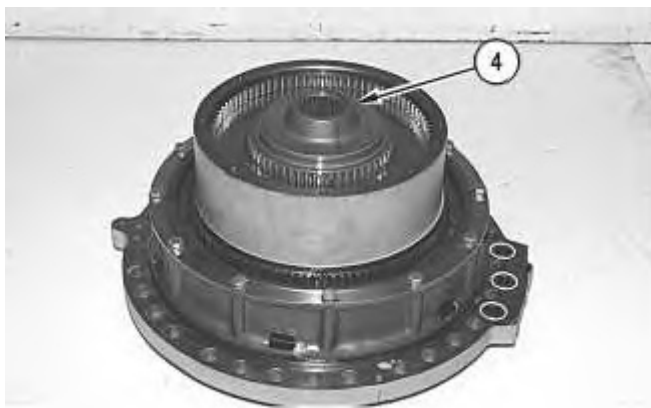
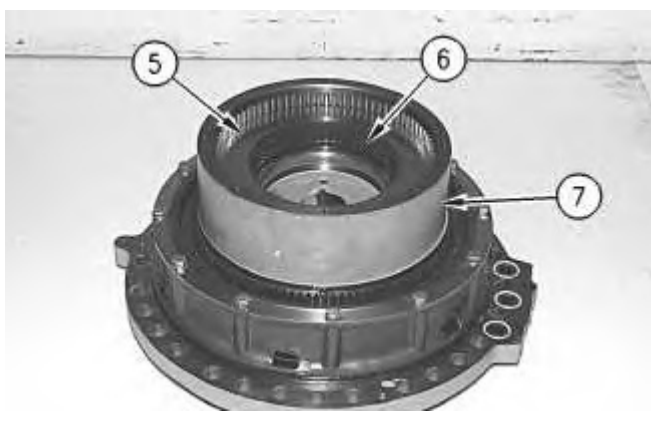


Illustration 3

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3. Remove input hub (4) .



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