



Service Repair Manual

Models

D6R TRACK-TYPE TRACTOR

Product: TRACK-TYPE TRACTOR

Model: D6R TRACK-TYPE TRACTOR 8LN

Configuration: D6R Track-Type Tractor 8LN00001-UP (MACHINE) POWERED BY 3306 Engine

Disassembly and Assembly D6R TRACK-TYPE TRACTOR POWER TRAIN

Media Number -SEN8357-02

Publication Date -01/05/2005

Date Updated -03/06/2014

SEN83570016

Final Drive, Steering Clutch & Brake

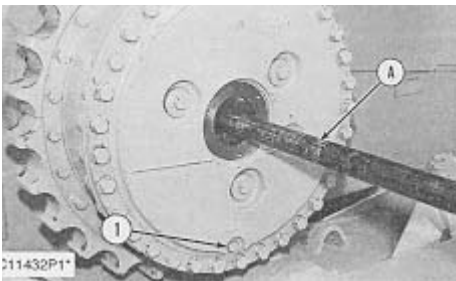
SMCS - 4050; 4100-012; 4100-015; 4100-016; 4100-029; 4100-011

Remove Final Drive, Steering Clutch & Brake

Tools Needed		A	B
FT1952	Axle Removal Tool	1	
8T3207	Lift Bracket		1
1A5405	Bolt (5/8" - 11 x 5" long)		2
1D4720	Nut (5/8" - 11)		2
5P8247	Washer (5/8")		4

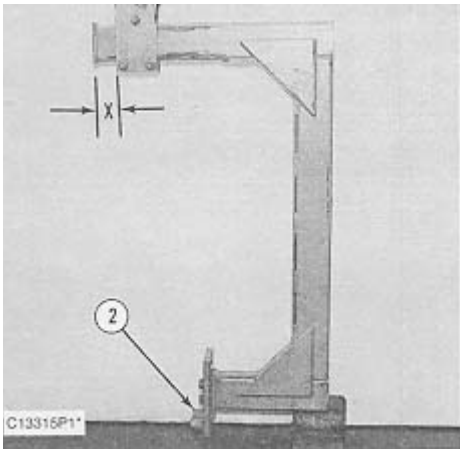
Start By:

a. separate track

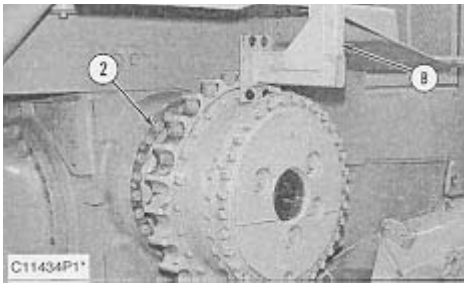


1. Turn the final drive until drain plug (1) is on the bottom as shown. Remove drain plug (1) and drain approximately **11.4 liters (3 U.S. gal)** of oil from the final drive.
2. Remove the three bolts and the cover from the final drive. Remove the O-ring seal from cover.
3. Use Tool (A) and remove the outer axle shaft.

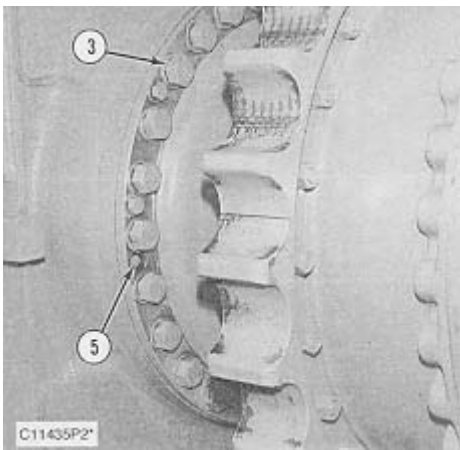
4. Use Tool (A) and remove the inner axle shaft.



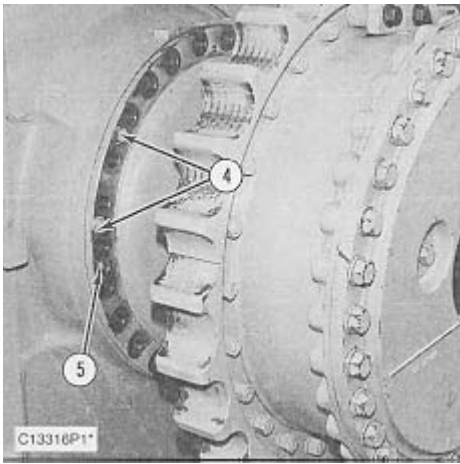
5. Adjust the lifting shackle on the 8T3207 Lift Bracket [part of Tooling (B)] so distance (X) is **63.5 mm (2.5 in)**. The lower mounting bracket should be installed so spacers (2) will be against the sprocket.



6. Remove two bolts from the sprocket segments. Fasten a hoist and install Tooling (B) on the final drive as shown.



7. Remove 26 bolts (3) that hold the from the final drive and steering clutch and brake to the frame.



NOTICE

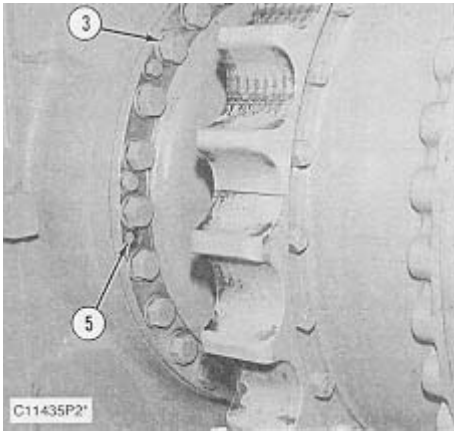
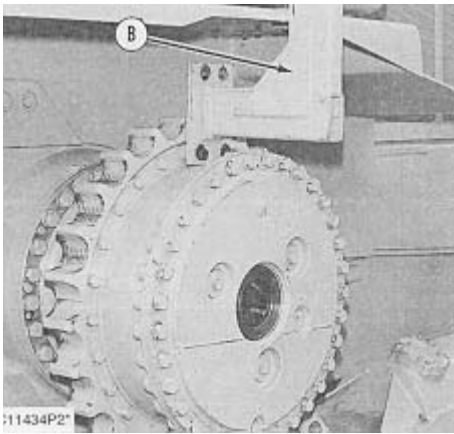
Do not remove four bolts (4) that hold the final drive to the steering clutch and brake.

8. The weight of the final drive and steering clutch and brake assembly is **682 kg (1500 lb)**. Remove two bolts (5) that hold the steering clutch and brake to the frame.
9. Use Tooling (B) and a hoist and remove the final drive and steering clutch and brake as a unit.

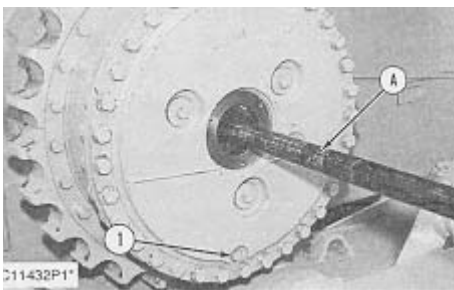
Install Final Drive, Steering Clutch & Brake

Tools Needed		A	B
8T1952	Axle Removal Tool	1	
8T3207	Lift Bracket		1
1A5405	Bolt (5/8" - 11 x 5" long)		2
1D4720	Nut (5/8" - 11)		2
5P8247	Washer (5/8")		4

1. Inspect all O-ring seals for damage and replace if necessary.



2. Fasten a hoist and install Tooling (B) on the final drive. Make an adjustment to Tooling (B), if needed, to level the final drive and steering clutch and brake.
3. Put the final drive, steering clutch and brake in position on the tractor.
4. Install two bolts (5) that hold the steering clutch and brake.
5. Install 26 bolts (3) that hold the final drive, steering clutch and brake in position. Remove Tooling (B).
6. Put **SAE 30W oil** on the threads of two segment bolts. Install so the head of the bolts are against the segment and so the washers and nuts are against the final drive.
7. Tighten the nuts to a torque of **$175 \pm 40 \text{ N}\cdot\text{m}$ ($130 \pm 30 \text{ lb ft}$)**. Tighten the nuts **1/3 of a turn more**.



8. Use Tool (A) and install the inner axle. Remove Tool (A).
9. Use Tool (A) and install the outer axle. Remove Tool (A).

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