

Product: TRACK-TYPE TRACTOR

Model: D6H TRACK-TYPE TRACTOR 4LG

Configuration: D6H & D6H LGP SERIES II TRACTORS / POWERSHIFT / 4LG04000-UP (MACHINE) POWERED BY 3306 ENGINE

Disassembly and Assembly D6H TRACTOR POWER TRAIN

Media Number -SEN3242-03

Publication Date -01/11/2004

Date Updated -10/01/2017

SEN32420014

Final Drive, Steering Clutch And Brake

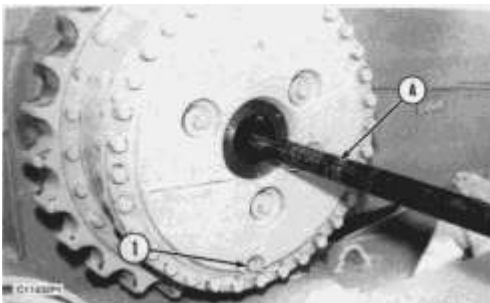
SMCS - 4050; 4100-011; 4100-012; 4100-029

Remove Final Drive, Steering Clutch And 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

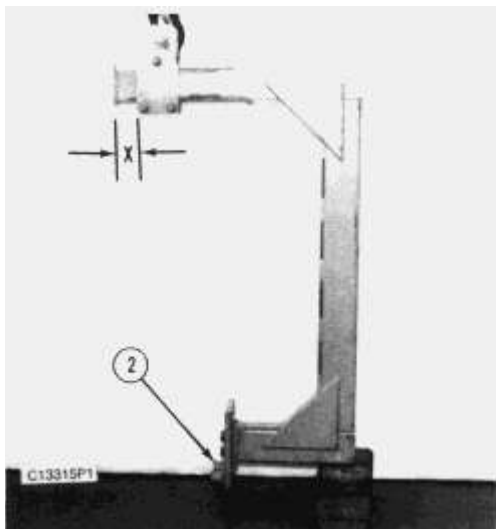
Start By:

a. separate track

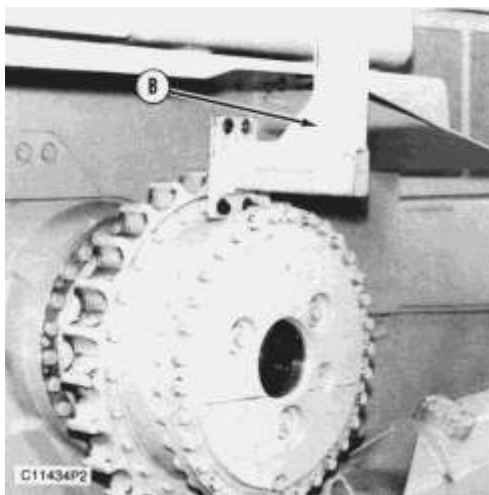


1. Turn the final drive until drain plug (1) is on the bottom as shown. Remove drain plug (1) and drain approximately **11.4 liters (3 U.S. gal.)** of oil from the final drive.
2. Remove the three bolts and the cover from the final drive. Remove the O-ring seal from the cover.
3. Use tool (A) and remove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

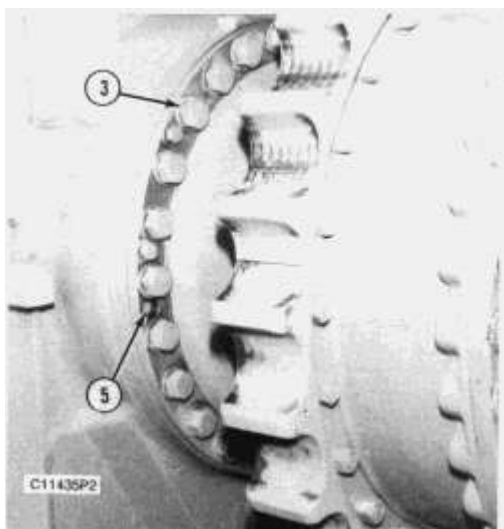
4. Use tool (A) and remove the inner axle shaft.



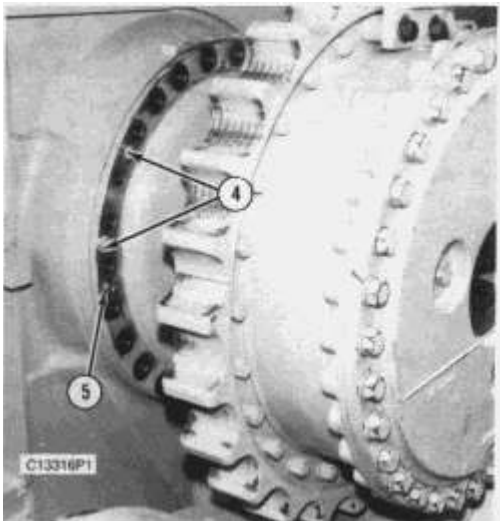
5. Adjust the lifting shackle on the 8T3207 Lift Bracket [part of tooling (B)] so distance (X) is **63.5 mm (2.5 in)**. The lower mounting bracket should be installed so spacers (2) will be against the sprocket.



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 final drive and steering clutch and brake to the frame.



NOTICE

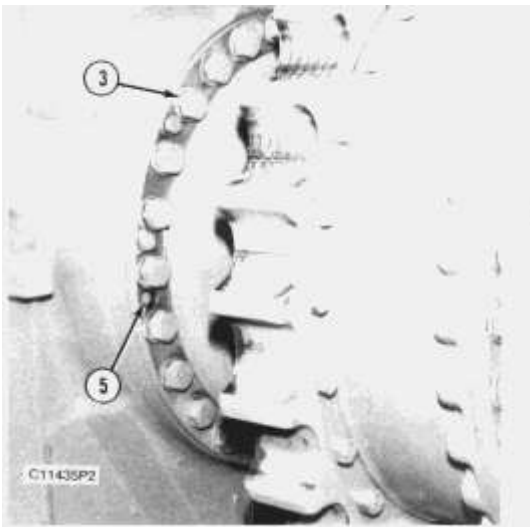
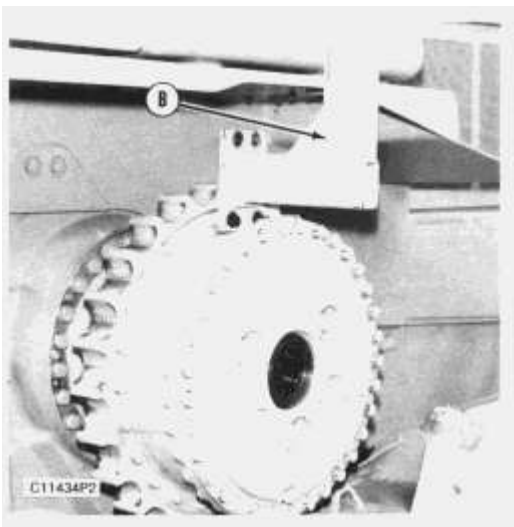
Do not remove four bolts (4) that hold the final drive to the steering clutch and brake.

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.

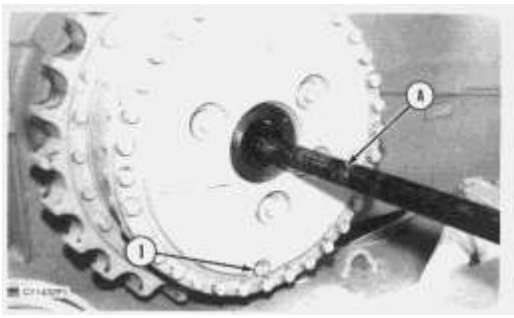
Install Final Drive, Steering Clutch And Brake

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) onto 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 30 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).
10. Put the O-ring seal in position on the cover and install the cover on the final drive.
11. Rotate the final drive so drain plug (1) is toward the bottom. Fill the final drive with oil to the bottom of the fill plug hole. See the Operation and Maintenance Guide for the correct type of oil and capacity.

End By:

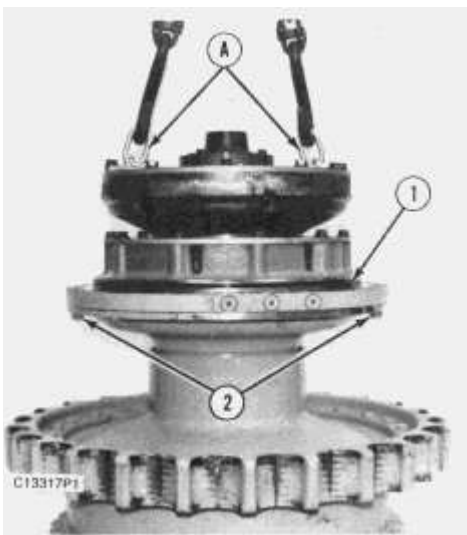
- a. connect track

Seperate And Connect Final Drive, Steering Clutch And Brake

Tools Needed		A
5P9736	Link Bracket	2
0S1587	Bolt (1/2" - 13 x 1 3/4" long)	2

Start By:

- a. remove final drive, steering clutch and brake



1. Remove O-ring seal (1).
2. The weight of the steering clutch and brake assembly is **255 kg (560 lb)**. Install tooling (A) and attach a hoist as shown.
3. Remove bolts (2).
4. Remove the steering clutch and brake from the final drive.



5. Turn the steering clutch and brake over and remove O-ring seal (3).

NOTE: The following Steps are for connection of the final drive and steering clutch and brake.

6. Inspect the O-ring seals for damage and replace if necessary. Put clean oil on the O-ring seals.
7. Put O-ring seal (3) in position on the steering clutch and brake.
8. Install tooling (A) and attach a hoist. Put the steering clutch and brake in position on the final drive.
9. Install bolts (2) that hold the steering clutch and brake to the final drive.
10. Put O-ring seal (1) in position on the steering clutch and brake.

End By:

- a. install final drive, steering clutch and brake.

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Disassembly and Assembly D6H TRACTOR POWER TRAIN

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SEN32420015

Steering Clutches and Brakes

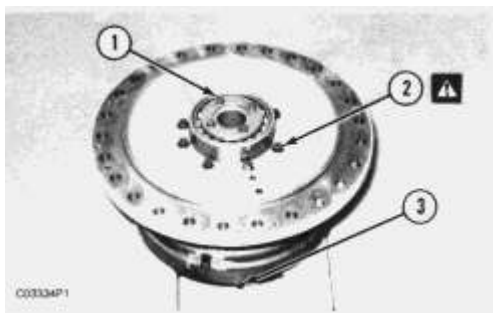
SMCS - 4100-016; 4100-015

Disassemble Steering Clutches and Brakes

Tools Needed		A	B	C	D
5P9736	Link Bracket	3			
5P5197	Pliers		1		
1P7405	Forged Eyebolt, 3/8"			3	
1P520	Driver Group				1

Start By:

- a. separate final drive from steering clutch and brake



WARNING

The brake group contains springs that are under compression. To prevent possible personal injury from flying parts, the brake group must be disassembled exactly as the following steps describe. Do not remove bolts (2) until after bolts (3) are slowly loosened and removed.

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