

Product: TRACK-TYPE TRACTOR

Model: D10 TRACK-TYPE TRACTOR 84W

Configuration: D10 TRACTOR / POWER SHIFT / 84W00610-UP (MACHINE) POWERED BY D348 ENGINE

Disassembly and Assembly D10 TRACTOR POWER TRAIN

Media Number -SEN7491-02

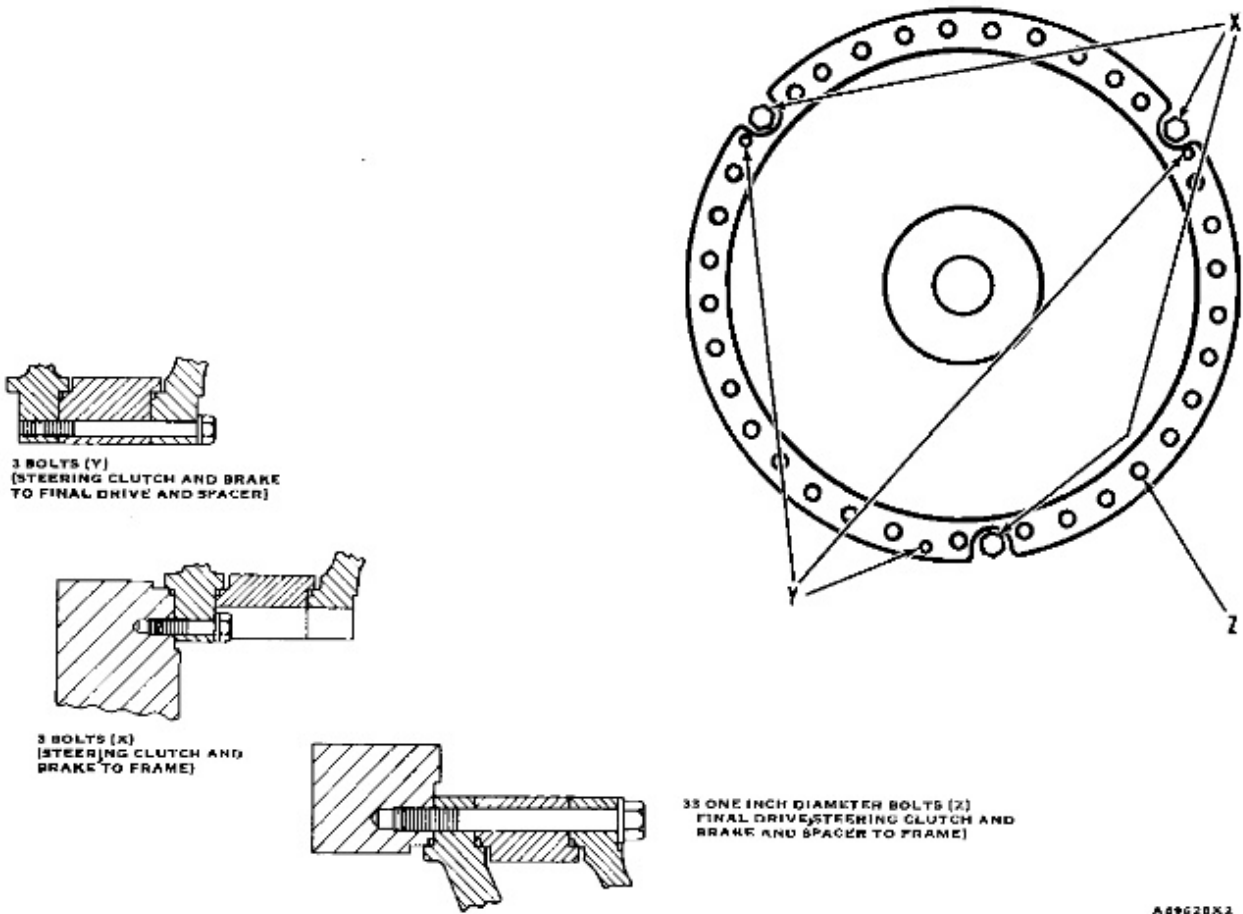
Publication Date -01/07/1981

Date Updated -15/07/2005

SEN74910016

Final Drive

SMCS - 4050-11; 4050-12; 4050-15; 4050-16



A49G2BK2

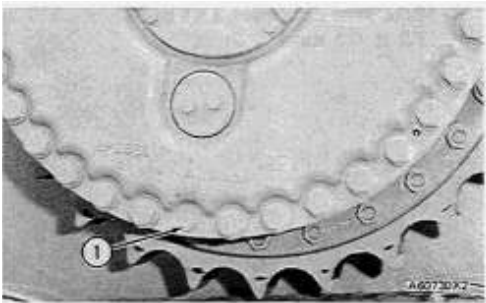
Remove Final Drive

Tools Needed		A	B
5P7395	Axle Installer	1	
5P7281	Adapter		1
7F4283	Bolt		2
5P7284	Plate Loop		1
5P7279	Adjustable Hook		1
5P8622	Shackle Assembly		1
2H3745	Bolt		4
3K5234	Washer		4
7F5227	Bolt		2

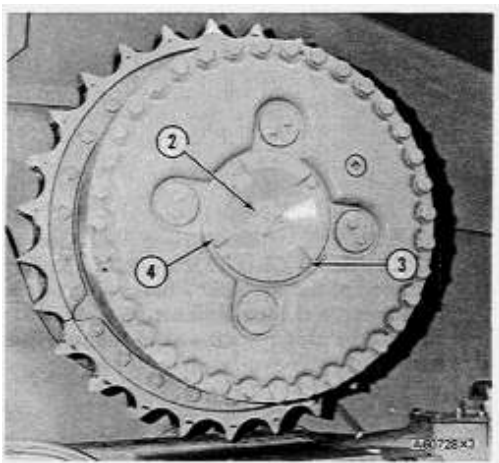
start by:

a) separation of track

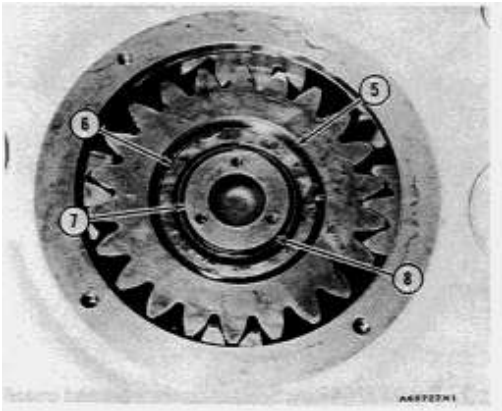
NOTE: The final drive planet carriers, hub and ring gear can be removed in chassis. See REMOVE FINAL DRIVE PLANET CARRIERS, HUB AND RING GEAR (in chassis).



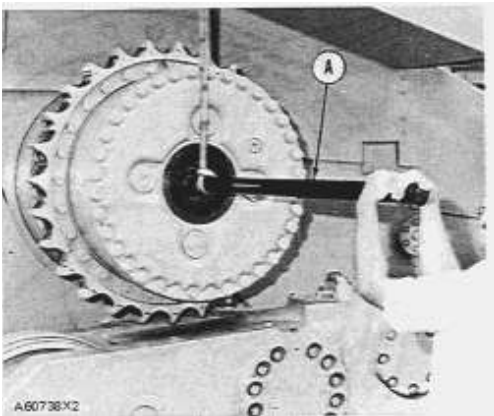
1. Turn the final drive until drain plug (1) is on the bottom as shown. Remove drain plug (1) and drain the oil from the final drive.



2. Remove three bolts (2) from the center of cover (4). Remove four bolts (3) and cover (4) from the final drive. Remove the O-ring seal from the cover.



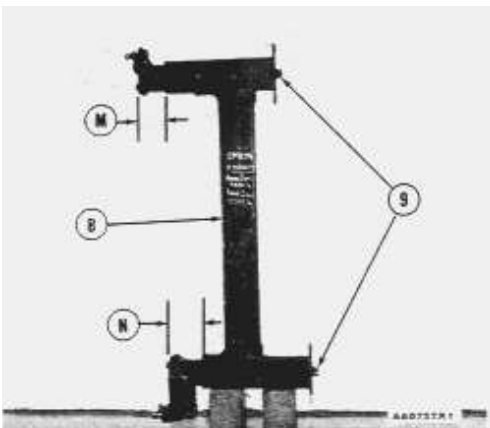
3. Remove spiral lockring (5), ring (6) and retainer (7). Remove O-ring seal (8) from retainer (7).



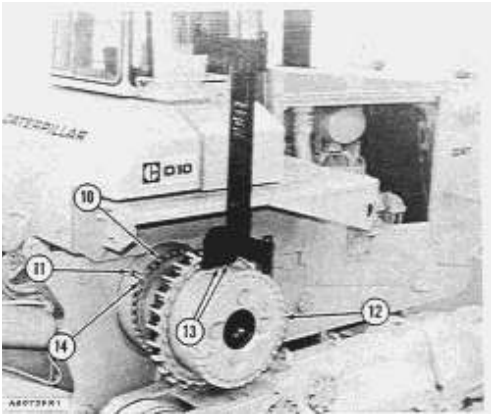
4. Install tool (A) and fasten a hoist as shown. Remove the outer axle. The weight of the outer axle is 85 lb. (39 kg).

 **WARNING**

Make sure that the short support of tooling (B) is on bottom and the long support is on the top when distances (M) and (N) are made.



5. Make an adjustment to bolts (9) on tooling (B) so distance (M) is 5 in. (12.70 cm) and distance (N) is 5.5 in. (13.97 cm).



6. Remove two bolts from the sprocket segments. Fasten a hoist and install tooling (B). Make an adjustment to bolts (13) until the bolts are against the final drive hub.
7. Remove thirty-three one inch diameter bolts (10) that hold the final drive, steering clutch, and brake and spacer to the frame.
8. Remove three 5/8" bolts (14) that hold the steering clutch and brake to the final drive and spacer.

 **WARNING**

Do not remove the three 5/8 in. diameter bolts (11). Bolts (11) hold the steering clutch and brake to the frame.

9. Remove final drive (12) from the frame. The weight is 4450 lb. (2003 kg).
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NOTICE

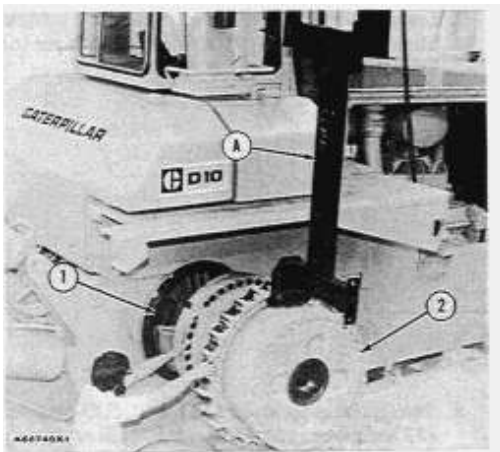
Make sure the final drive is level when it is removed to prevent damage to the bladder.

 **WARNING**

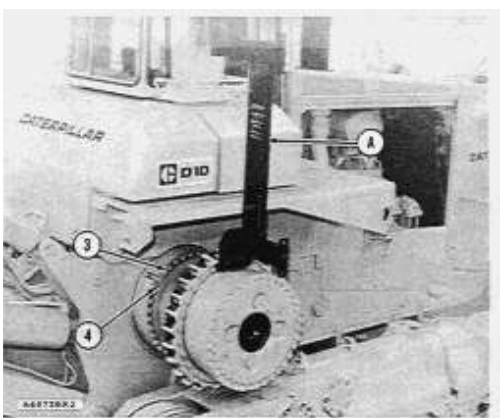
Remove tooling (B) from the final drive before the hoist is disconnected from tooling (B).

Install Final Drive

Tools Needed		A	B
5P7281	Adapter	1	
7F4283	Bolt	2	
5P7284	Plate Loop	1	
5P7279	Adjustable Hook	1	
5P8622	Shackle Assembly	1	
2H3745	Bolt	4	
3K5234	Washer	4	
7F5227	Bolt	2	
5P7395	Axle Installer		1

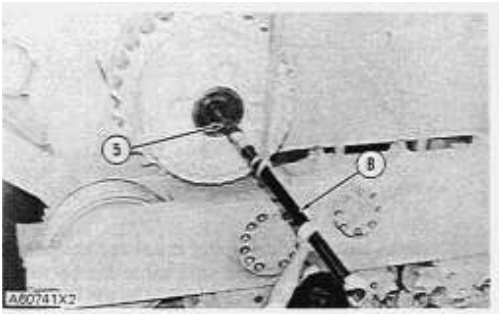


1. Inspect all O-ring seals for damage and make replacements if needed. Fasten a hoist and install tooling (A) on the final drive. Make an adjustment to tooling (A), if needed, to put the final drive in a level position.
2. Make sure O-ring seal (1) is in position on the steering clutch and brake. Put final drive (2) in position on the frame.

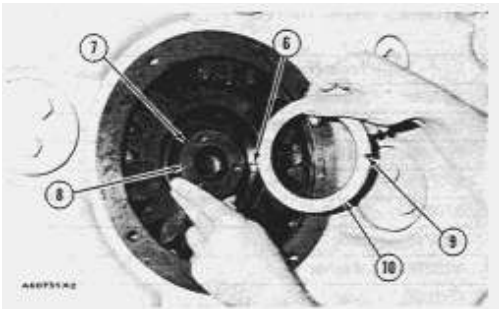


3. Install thirty-three bolts (3) and washers that hold the final drive, spacer and steering clutch and brake to the frame. Tighten the bolts to a torque of 830 ± 75 lb.ft. (1125 ± 100 N·m).

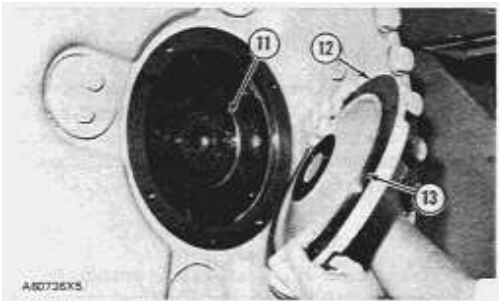
4. Install three 5/8" bolts (4) that hold the steering clutch and brake to the final drive and spacer.
5. Remove tooling (A). Install the two segment bolts and nuts that were removed to install tooling (A). Put 5P3931 Anti-Seize Compound on the threads and tighten the nuts to a torque of 250 ± 50 lb.ft. (340 ± 70 N·m). Tighten the nuts another 1/3 (120°) turn.



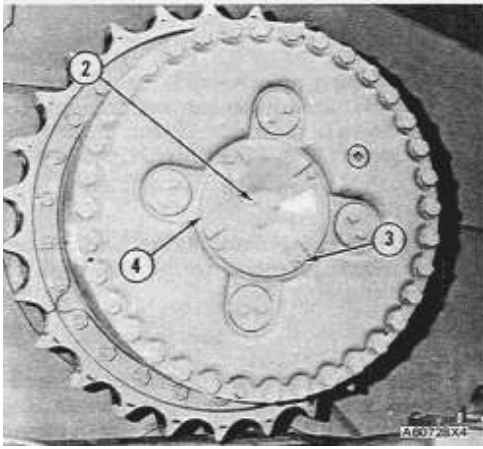
6. Install tooling (B) to the outer axle. Fasten a hoist and install outer axle (5).



7. Install O-ring seal (7) and retainer (8). Make alignment of notch (9) in ring (10) with pin (6). Install ring (10).



8. Install spiral lockring (11). Install O-ring seal (13) on cover (12). Put cover (12) in position on the final drive.



9. Install three bolts (14). Install four bolts (15) that hold cover (12) to the final drive.

10. Make sure the drain plug is toward the bottom and fill the final drive with oil to the bottom of the fill plug. See LUBRICATION AND MAINTENANCE GUIDE for correct oil.

end by:

a) connection of track

Disassemble Final Drive

	Tools Needed	A	B	C	D
1P74	Puller Assembly	1			
8B7548	Puller Assembly		1		
8H684	Ratchet Box Wrench		1	1	
8B7554	Bearing Cup Puller Attachment		1	1	
8B7548	Puller Assembly (with 5H9976 Screw)			1	
5P9696	Cylinder				1
5P3100	Pump Group (or electric)				1
5P9695	Plate				1
9S5559	Stud				3
3K5234	Washer				3
2J3507	Nut				3
8M9011	Puller				1

start by:

a) remove final drive

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