



Service Repair Manual

Models

D10N TRACK-TYPE TRACTOR

Product: TRACK-TYPE TRACTOR

Model: D10N TRACK-TYPE TRACTOR 3SK

Configuration: D10N Track-Type Tractor 3SK00001-UP (MACHINE) POWERED BY 3412 Engine

Disassembly and Assembly

D10N TRACK-TYPE TRACTOR POWER TRAIN

Media Number -SEN3516-01

Publication Date -01/08/2004

Date Updated -06/12/2017

SEN35160018

Final Drives

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

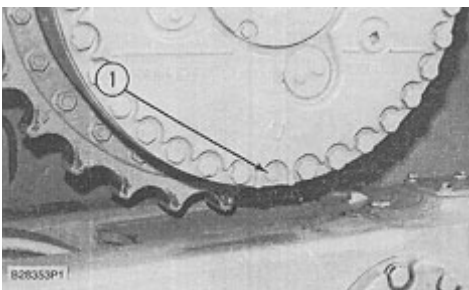
Remove Final Drives

Tools Needed		A	B
5P7395	Installer	1	
5P8622	Shackle		1
5P7284	Plate		1
5P7279	Adjustable Hook		1
5P7281	Bracket		1

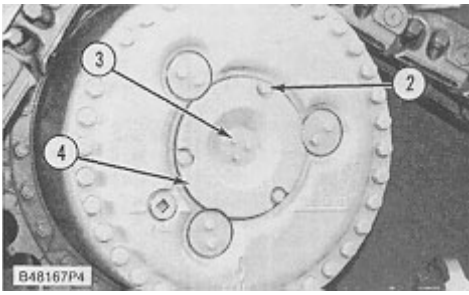
Start By:

a. separation of tracks

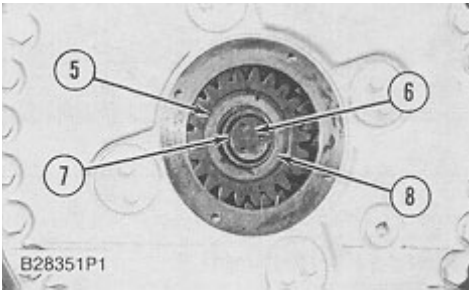
NOTE: The final drive planetary carriers can be removed in chassis. See Remove Final Drive Planetary Carriers (In Chassis).



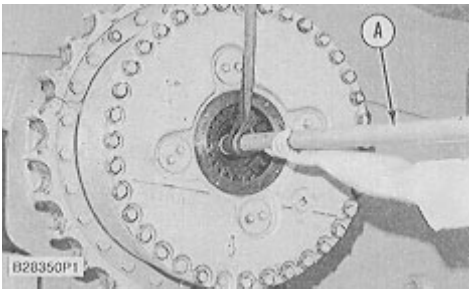
1. Turn the final drive until drain plug (1) is on the bottom as shown. Remove drain plug (1), and drain the oil from the final drive.



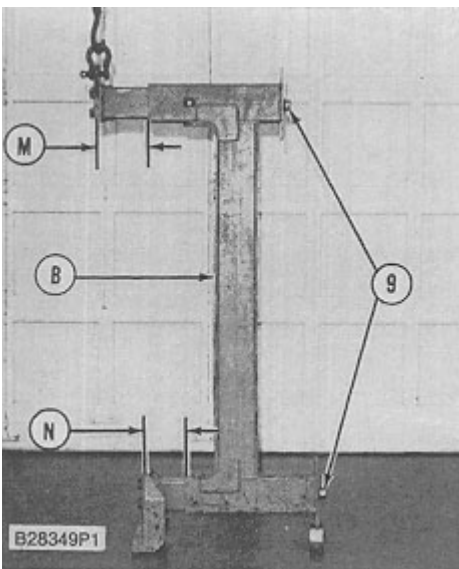
2. Remove three bolts (3) from the center of cover (4). Remove three bolts (2) and cover (4) from the final drive. Remove the O-ring seal from the cover.



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



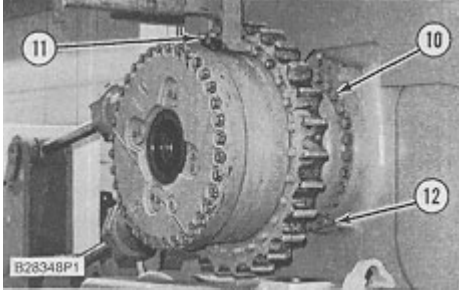
4. Install tool (A) on the outer axle, and fasten a hoist as shown. Remove the outer axle.



NOTICE

Make sure that the short support of tooling (B) is on the 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 75 mm (2.95 in) and distance (N) is 180 mm (7.08 in).

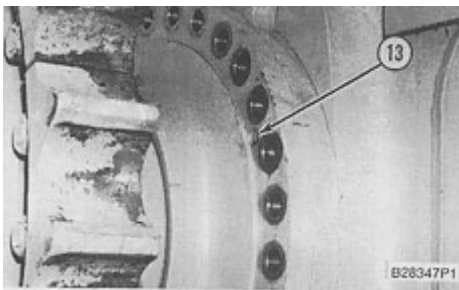


Typical Example

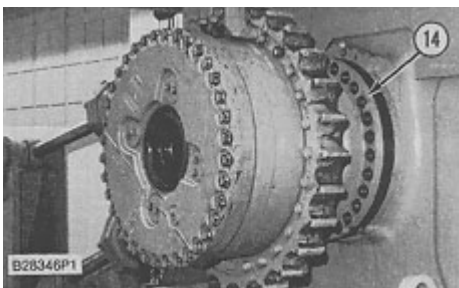
- 6.** Remove three bolts from the sprocket segments. Fasten a hoist, and install tooling (B). Make an adjustment to bolts (11) until the bolts are against the final drive hub.
- 7.** Remove bolts (10) that hold the final drive and steering clutch and brake to the frame.

NOTICE

Do not remove three bolts (12) that hold the steering clutch and brake to the frame.

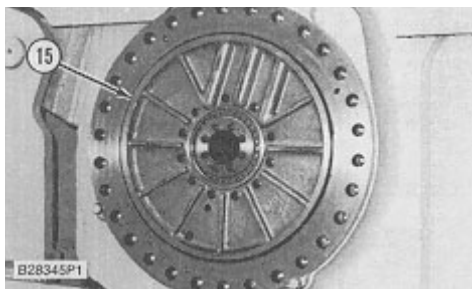


- 8.** Remove three bolts (13) that hold the final drive and steering clutch and brake together.



Typical Example

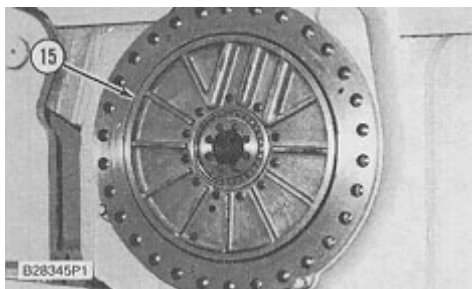
9. Remove final drive (14) from the machine. The weight of the final drive is approximately 1070 kg (2630 lb).



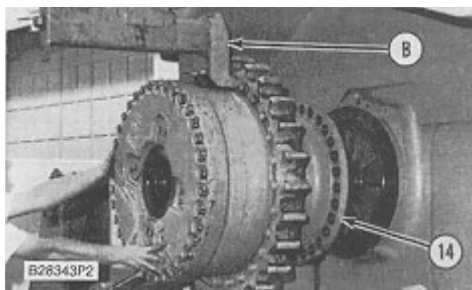
10. Remove O-ring seal (15) from the steering clutches.

Install Final Drives

Tools Needed		A	B
5P7281	Bracket		1
5P7279	Adjustable Hook		1
5P7284	Plate		1
5P8622	Shackle		1
5P7395	Installer	1	



1. Inspect all O-ring seals for wear or damage, and make replacements if necessary.
2. Put O-ring seal (15) in position on the steering clutches.



Typical Example

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