◀Product: TRACK-TYPE TRACTOR

Model: D6T XL TRACK-TYPE TRACTOR TSM

Configuration: D6T TRACK-TYPE TRACTOR XL, XW, LGP TSM00001-UP (MACHINE) POWERED BY C9 Engine

Disassembly and Assembly
D6T Track-Type Tractor Power Train

Media Number -KENR8911-03   Publication Date -01/03/2016   Date Updated -07/03/2016

i05236971

Final Drive - Disassemble

SMCS - 4050-015

Disassembly Procedure

Table 1

Required Tools			
Tool	**Part Number**	**Part Description**	**Qty**
A	138-7573	Link Bracket	3
	1A-2029	Bolt	1
B	1P-510	Driver Group	1
C	FT-1934	Beam	1
	6V-3160	Double Acting Cylinder	1
	6V-9061	Pump Group	1
	1D-4621	Bolt	4
D	138-7574	Link Bracket	2
	2A-1538	Bolt	2

Start By:

A. Remove the final drives.
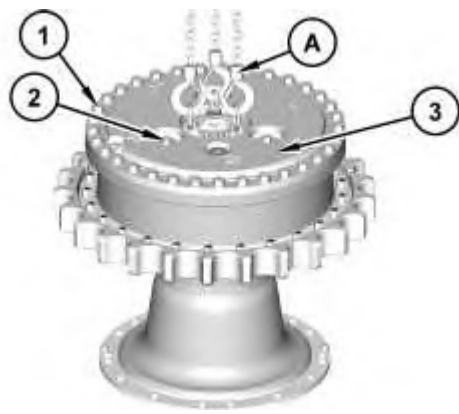
Illustration 1   g01195912

1. Install Tooling (A) and a suitable lifting device to planetary carrier (3) .

2. Remove bolts (1). Remove planetary carrier (3) and the two O-ring seals from the hub. The weight of planetary carrier (3) is approximately 137 kg (302 lb).

3. Remove retainers (2) .
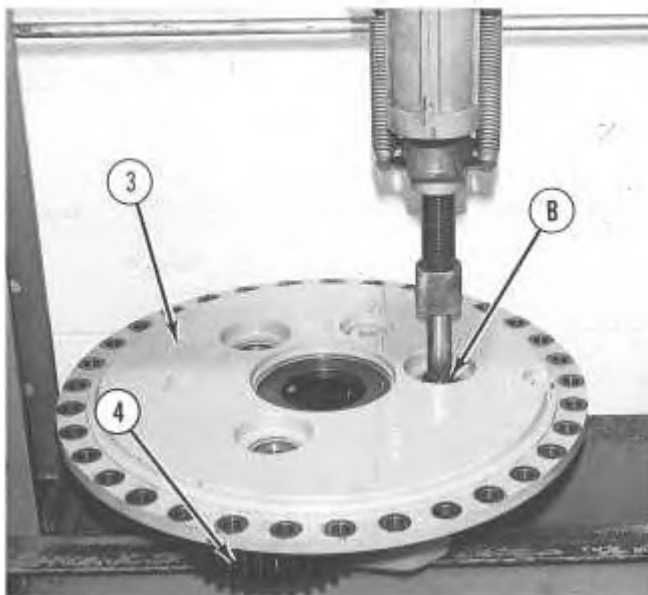

Illustration 2   g00841089

4. Place support under planetary carrier (3) in order to prevent damage. Use Tooling (B) and a suitable press to remove the planetary gear shafts.

5. Remove planetary gears (4) from planetary carrier (3) .

Illustration 3   g00841091

6. Remove bearing cones (5) from gears (4) .

7. Remove the bearing cups from each side of the gears.
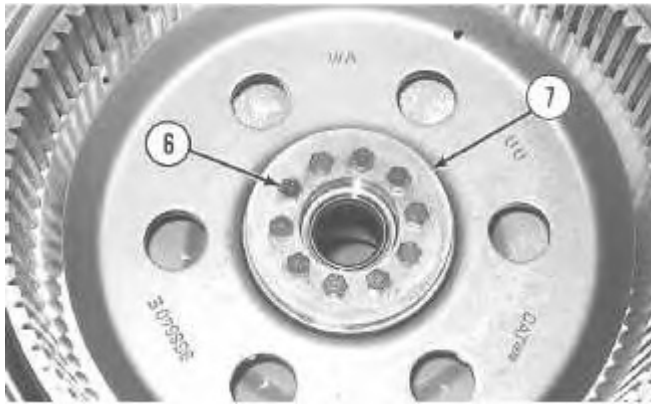

Illustration 4   g00841092

Illustration 5   g01195913

8. Remove bolts (6) and retainer (7) .

9. Attach a suitable lifting device to hub (12) and ring gear (8). The weight of hub (12) and ring gear (8) is approximately 68 kg (150 lb). Remove hub (12) and ring gear (8) .

Illustration 6   g01195915

10. Turn over hub (9) and ring gear (8). Remove retaining ring (10). Attach a suitable lifting device to hub (9). The weight of hub (9) is approximately 37 kg (82 lb). The weight of ring gear (8) is approximately 32 kg (71 lb). Remove hub (9) .
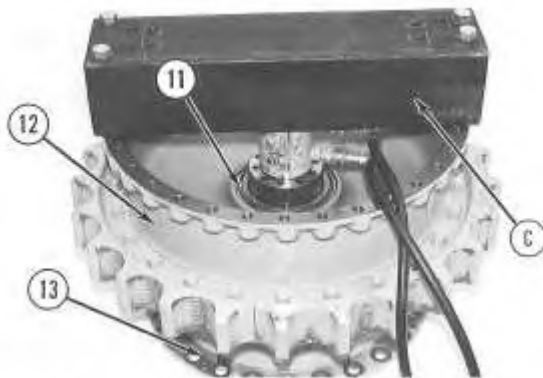

Illustration 7   g00841095

11. Install Tooling (C) on hub (12).

Note: Do not lift hub (12) too high. Do not allow hub (12) to contact the fitting on the hydraulic cylinder.

12. Use Tooling (C) to loosen hub (12) from spindle (13). Remove Tooling (C) .

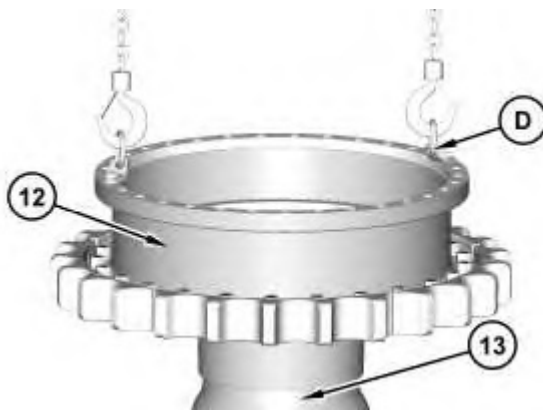13. Remove bearing cone (11) .

Illustration 8   g01195917

14. Install Tooling (D) and a suitable lifting device to hub (12). Remove hub (12) from spindle (13). The weight of hub (12) is approximately 180 kg (397 lb).
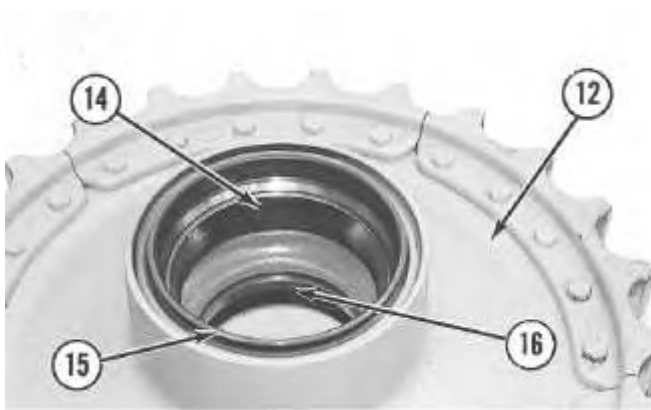

Illustration 9   g00841099

15. Turn over hub (12). Remove Duo-Cone seal kit (15). Use a hammer and a punch to remove bearing cup (16) .

16. Turn over the hub. Remove bearing cup (14) from the hub.

    Note: If the Duo-Cone seal will be reused, mark the seal kits for installation purposes.
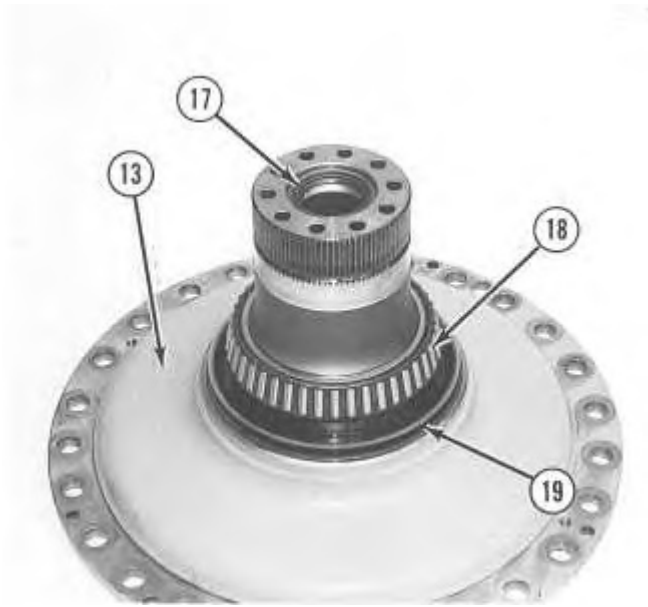
Illustration 10   g00841101

Note: Bearing cone (18) may be damaged if the bearing cone is removed from spindle (13) .

17. Remove Duo-Cone seal (19) from spindle (13) .

18. If necessary, remove bearing cone (18) from the spindle.

19. Remove lip seal (17) from spindle (13) .

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Disassembly and Assembly
D6T Track-Type Tractor Power Train

i04164792

Final Drive - Assemble

SMCS - 4050-016

Assembly Procedure

Table 1

Required Tools			
Tool	**Part Number**	**Part Description**	**Qty**
A	138-7573	Link Bracket	3
	1A-2029	Bolt	3
B	1P-0510	Driver Group	1
D	138-7574	Link Bracket	2
	2A-1538	Bolt	2
E	1U-6437	Duo-Cone Seal Installer As	1

1. Apply clean oil to all the parts during assembly.

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