



# Service Repair Manual

## **Models**

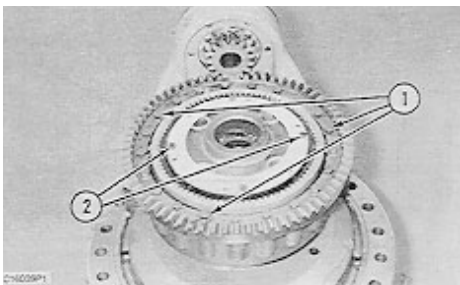
# D6H TRACK-TYPE TRACTOR

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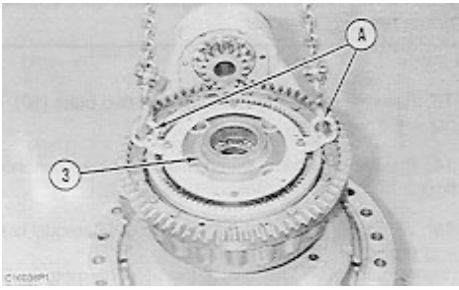
Tools Needed		A	B	C	D	E	F	G
6V2156	Link Bracket	2						
3K4897	Spring Pin		8					
6V4072	Spanner Wrench			1				
9S9154	Step Plate				1	1		
6V3009	Cross Bar				1	1		
8S6470	Screw				1	1		
8S5133	Plug				1	1		
5P8245	Washers (1/2")				4	4		
1D4719	Nuts (1/2" - 13)				2	2		
2H6488	Bolts (1/2" - 13 x 5")				2			
1D4574	Bolts (1.2" - 13 x 6")					2		
8H0663	Bearing Puller					1		
5P9736	Link Bracket						3	
8B7550	Leg							2
8B7559	Adapter							2
3H0465	Plate							4
1P0498	Plate							1
1B4207	Nut							2
5H9976	Screw							1
5B0637	Nut							1
8H0684	Ratchet Wrench							1
8B7563	Handle							1
5F7353	Washer							1
8B7548	Bar							1

Start By:

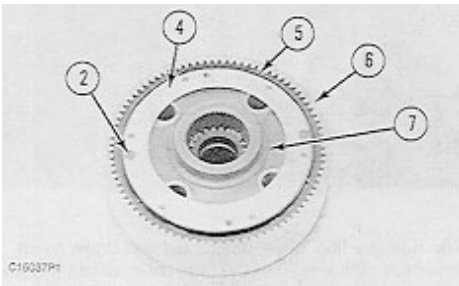
a. remove final drive, differential and brake (left side)



1. Remove bolts and washers (1). Remove bolts (2).

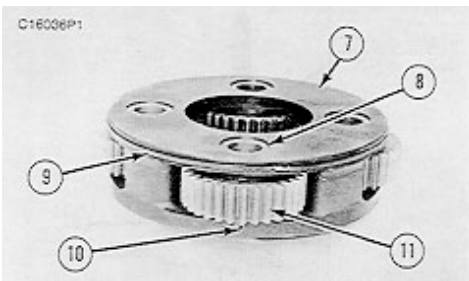


2. Install tooling (A) and a host, and remove sliding carrier assembly (3). The weight of the carrier assembly is 48 kg (105 lb).



3. Remove remaining two bolts (2) and slinger (4) from carrier (7).

4. Remove retaining ring (5), the thrust ring and carrier (7) from ring gear (6).



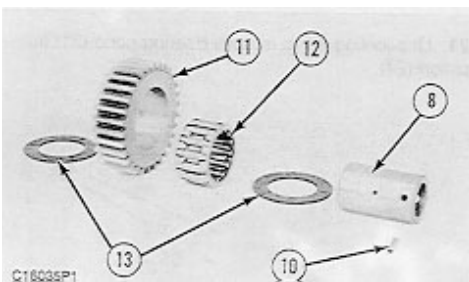
5. Remove seal ring (9) from carrier (7).

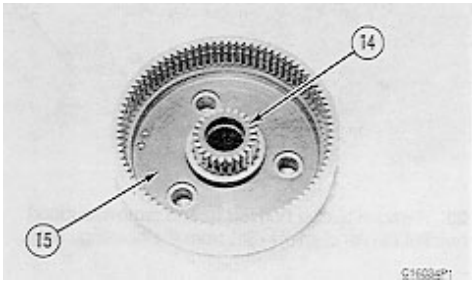
6. Use a hammer and punch to push pin (10) into shaft (8).

7. Remove shaft (8), gear (11), discs (13) and bearing (12) from carrier (7).

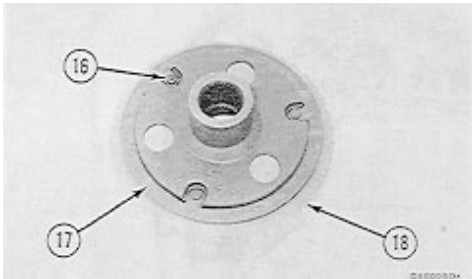
8. Remove pin (10) from shaft (8).

9. Repeat Steps 6 through 8 for the remaining three planetary gears.

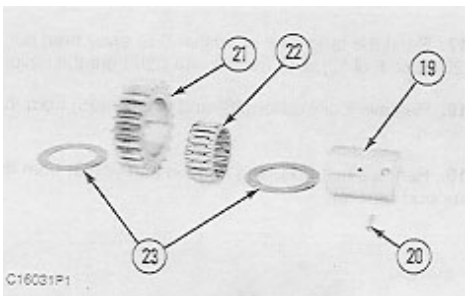
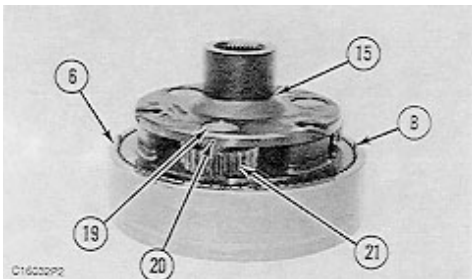




10. Remove sun gear assembly (14) from carrier (15).



11. Remove three bolts (16), and remove plate (17) and gear (18) from the carrier.

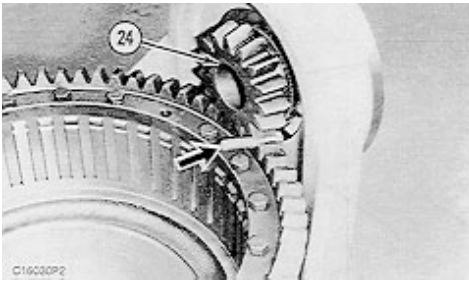


12. Use tooling (B) to compress the retaining ring that holds carrier (15) in position in ring gear (6). Separate the carrier from the ring gear. Remove the retaining ring from carrier (15).

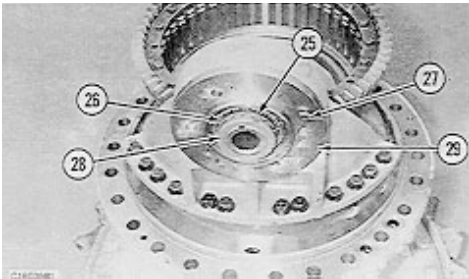
13. Use a hammer and punch, and push pin (20) into shaft (19).

14. Remove shaft (19), gear (21), discs (23) and bearing (22) from carrier (15).

15. Repeat Steps 13 and 14 for the remaining two planetary gears.



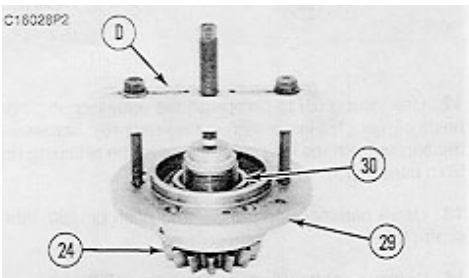
16. Place a bolt in the teeth of pinion (24) to prevent it from turning.



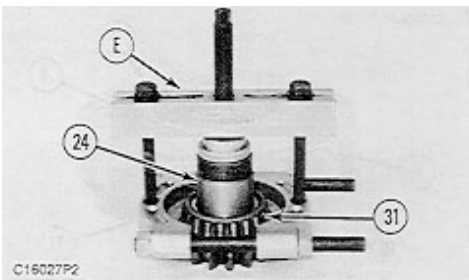
17. Bend the tang on lockwasher (26) away from nut (28). Use tool (C), and remove nut (28) from the pinion.

18. Remove lockwasher (26) and washer (25) from the pinion.

19. Remove bolt (27), and remove carrier (29) from the support bracket.



20. Use tooling (D) to force pinion (24) from bearing cone (30) and carrier (29).



21. Use tooling (E) to remove bearing cone (31) from pinion (24).

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