



Service Repair Manual

Models

D25D, D30D

ARTICULATED TRUCK

Product: ARTICULATED TRUCK

Model: D25D ARTICULATED TRUCK 1HK

Configuration: D25D, D30D ARTICULATED TRUCK 1HK00674-UP (MACHINE) POWERED BY 3306 ENGINE

Disassembly and Assembly

D25D, D30D AND D350D ARTICULATED DUMP TRUCKS VEHICLE SYSTEMS

Media Number -SEN8210-01

Publication Date -01/03/2005

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SEN82100029

Hitch Group

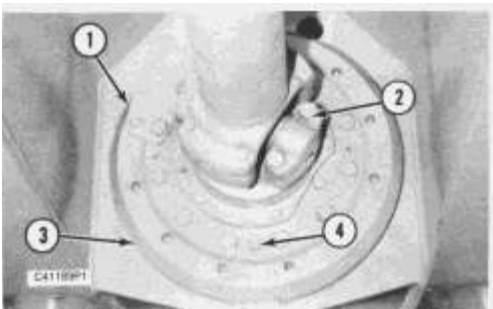
SMCS - 7057; 7113-011; 7113-012

Remove Hitch Group

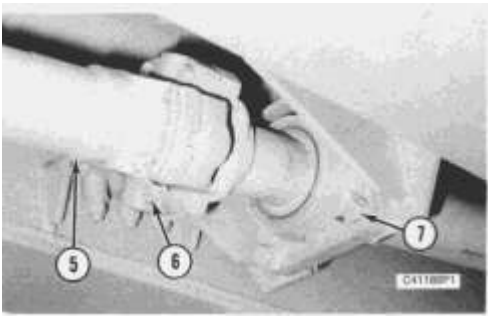
Tools Needed		A	B	C	D
5P4758	Retaining Ring Pliers	1			
5P520	Driver Group		1		
5P9736	Link Bracket			2	
4C4171	Lifting Bracket				1

Start By:

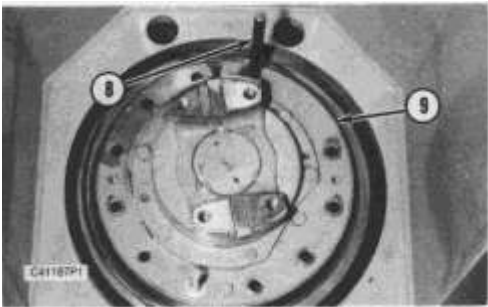
a. separation of tractor from body



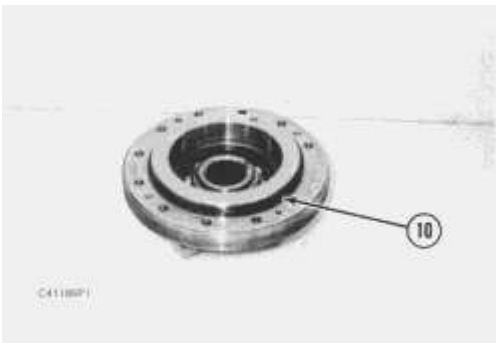
1. Remove bolt (4) and drain the oil from the hitch tube.
2. Remove bolts (2) from the drive shaft at the hitch area.
3. Remove nut lock (1) and then remove nut (3).



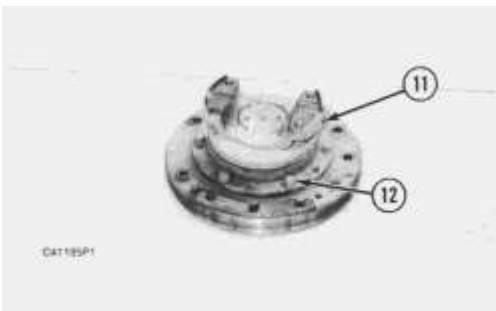
4. Remove bolts (6) from the drive shaft.
5. Remove four bolts (7) at the carrier bearing.
6. Lower the drive shaft (5) to the floor.



7. Remove all the bolts from the hitch yoke retainer.
8. Install two suitable guide bolts (8) in the retainer.
9. Remove hitch yoke retainer (9).



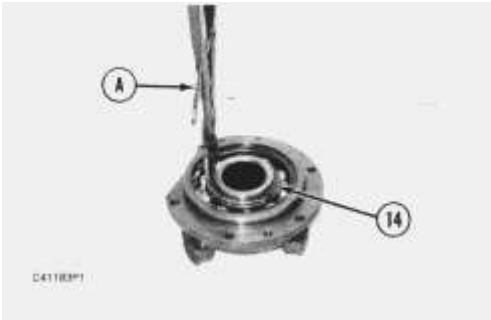
10. Remove and inspect Large O-ring seal (10) from the retainer.



11. Remove bolts (12) to remove yoke assembly (11) from the retainer.

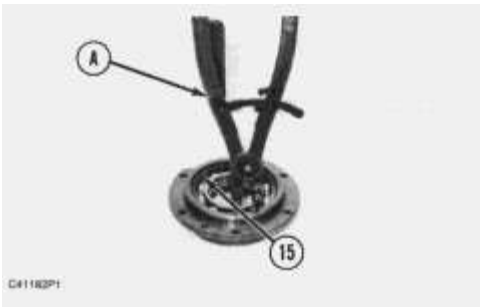


12. Remove and inspect O-ring seal (13) from the yoke assembly

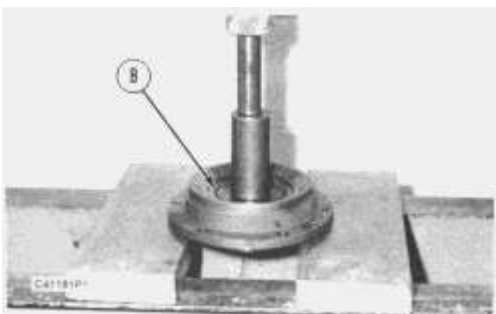


13. Remove external retaining ring (14) with tool (A).

14. Remove yoke from the flange.

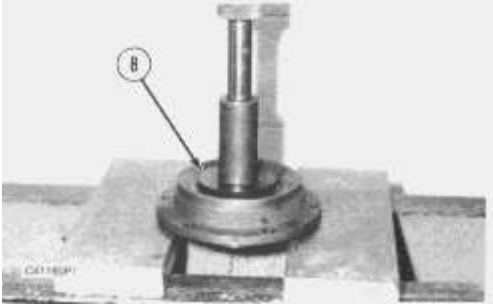


15. Remove internal retaining ring (15) from the flange with tool (A).

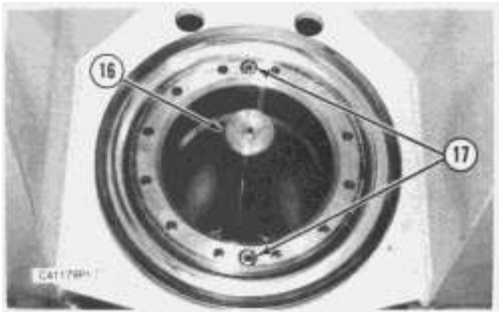


16. Put the flange in position in a press.

17. Use tool (B) and the press to push the bearing from the flange.



18. Use tool (B) and a press to gently push the seal from the flange.



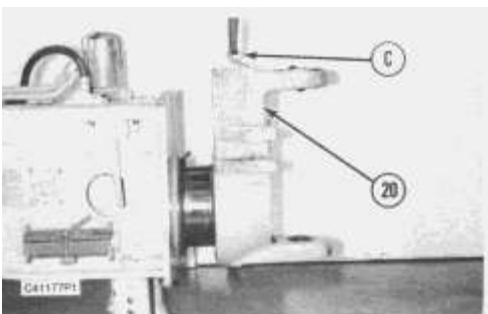
19. Remove shaft (16) from the hitch housing.

20. Remove and inspect O-ring seals (17).



21. Go to the front of the hitch. Remove bolts (18) to remove the other hitch yoke retainer (19).

NOTE: Use Steps 10 thru 18 to disassemble hitch yoke retainer (19).



22. Install tooling (C) on the hitch group and then fasten a hoist.

23. Remove hitch group (20) from its housing.

NOTE: Tool (D) can be used as an alternate tool to remove hitch group (20).

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