



# Service Repair Manual

## **Models**

# 926 WHEEL LOADER

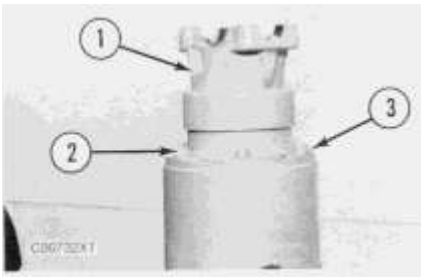
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Tools Needed		A	B	C	D	E	F	G
8S7640	Stand	2						
8S7621	Tube	2						
8S7615	Pin	2						
8S8048	Saddle	2						
FT1870	Adapter Assembly		1					
5P982	Engine Repair Stand		1					
5P979	Adapter Tube		1					
8T832	Chisel			1				
5P954	Socket Wrench				1			
8B7551	Bearing Pulling Attachment					1		
8B7548	Push-Puller						1	
8B7549	Leg						2	
8B7559	Threaded Adapter						2	
1H3112	Bearing Pulling Attachment						1	
9S5559	Stud						1	
2J3507	Nut (1"-8 NC)						1	
5P8250	Washer (1.00 in.)						1	
8H684	Ratchet Wrench						1	
1P520	Driver Group							1

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1P520	Driver Group	1

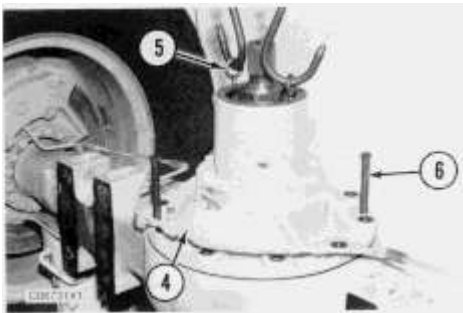
START BY:

- a. remove axle housing (front)
- b. remove axle housing and supports (rear oscillating)
- c. remove axles (front or rear)

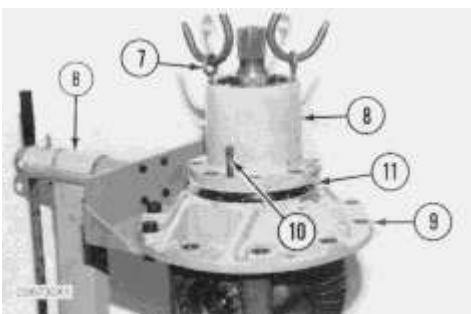


**NOTE:** Disassembly of the front and rear differentials is the same. The front differential is shown.

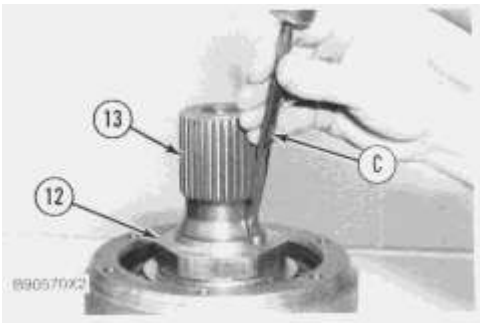
1. Drain the oil from the differential.
2. Put the axle housing in position on tooling (A) with the differential in the vertical position. The weight of the front axle housing is 953 kg (2100 lb.). The weight of the rear axle housing is 1135 kg (2500 lb.).
3. Remove yoke (1). Remove bolts (2) and retainer (3). Remove the lip seal from the retainer.



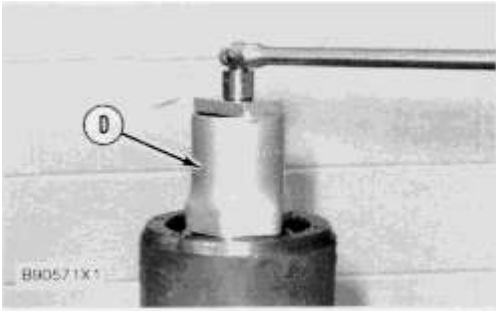
4. Remove the bolts that hold the differential to the axle housing. Remove bolt (4). Install two 3/8"-16 NC forged eyebolts (5), and fasten a hoist.
5. Use two 5/8"-11 NC forcing screws (6) to loosen the differential from the axle housing. Remove the differential. The weight of the differential is 118 kg (260 lb.).



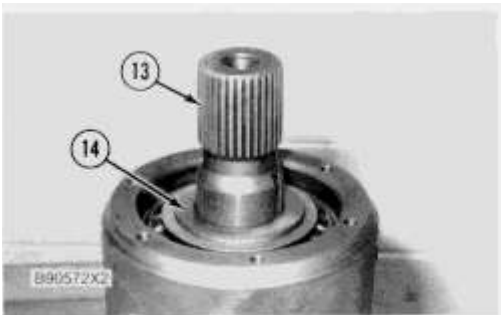
6. Put the differential assembly in position on tooling (B).
7. Install two 3/8"-16 NC forged eyebolts (7), and fasten a hoist. Remove the bolts that hold pinion housing (8) to carrier assembly (9).
8. Use two 1/2"-13 NC forcing screws (10) to loosen the pinion housing. Remove pinion housing (8) and shims (11). The weight of the pinion housing is 27 kg (60 lb.).



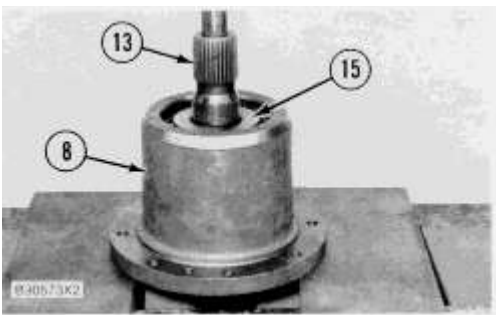
9. Use tool (C), and remove the staked portion of nut (12) from the groove (slot) in pinion shaft (13) as shown.



10. Use tool (D), and remove nut (12) from the pinion shaft.



11. Remove washer (14) from pinion shaft (13).



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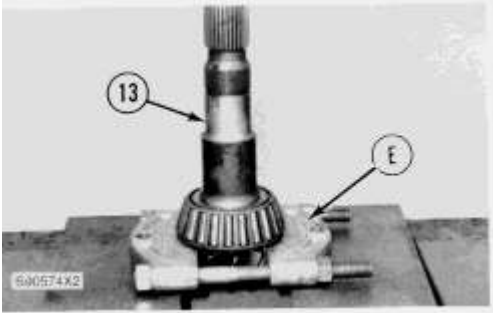
## NOTICE

**Do not let pinion shaft assembly (13) fall when it is pushed out of pinion housing (8).**

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12. Use a press to push pinion shaft assembly (13) out of the pinion housing.

13. Remove bearing cone (15) from the pinion housing.



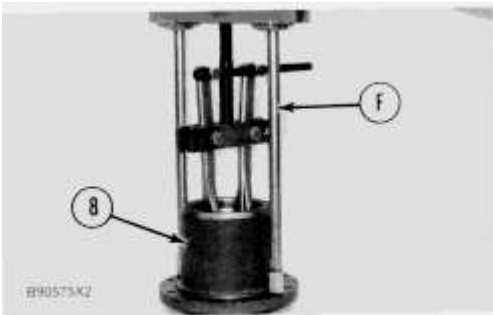
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### NOTICE

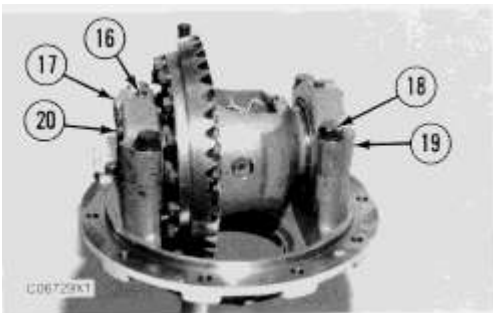
**Do not let pinion shaft (13) fall when it is pushed out of the bearing cone.**

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14. Use a press and tooling (E) to push pinion shaft (13) out of the bearing cup.



15. If necessary, use tooling (F) to remove the bearing cups from each end of pinion housing (8) as shown.



16. Position the carrier assembly with the bevel gear up. Remove bolts (16) and locks (17).

17. Loosen bolts (18) that hold bearing caps (19); then loosen nuts (20) approximately 1/2 turn. Remove bolts (18) and bearing caps (19).

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