



Service Repair Manual

Models

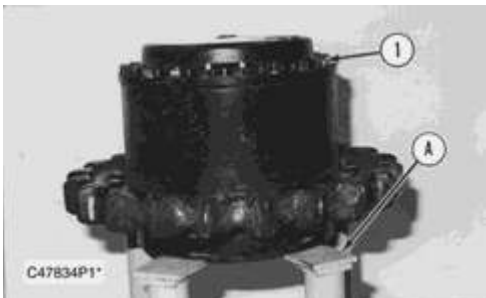
330B EXCAVATOR

Tools Needed		A	B	C	D	E	F	G
1P-2420	Transmission Repair Stand	1						
138-7573	Link Bracket		2					
1P-1860	Pliers			1				
1P-5546	Cross Block				1		1	
6V-3142	Puller Plate				1			
5P-8248	Washer				4			
	Threaded Rod 3/4" - 16 NF x 280 mm (11 in)				1			
	Spacer 64 mm (2.5 in) O.D. 25.4 mm (1 in) I.D. 64 mm (.25 in) Thick				4			
6B-6682	Nut				1			
138-7574	Link Bracket					2		
1H-3112	Puller Assembly						1	
1P-5551	Screw						1	
5F-7465	Puller Assembly						1	
8B-7561	Plate						1	
1H-3107	Push Puller						1	
8T-9206	Seal Installer							1

Start By:

a. remove final drives

1. Thoroughly clean the outside of the final drive prior to disassembly.
2. Put an alignment mark across the sections of the final drive for assembly purposes. The parts must be reinstalled in their original locations.

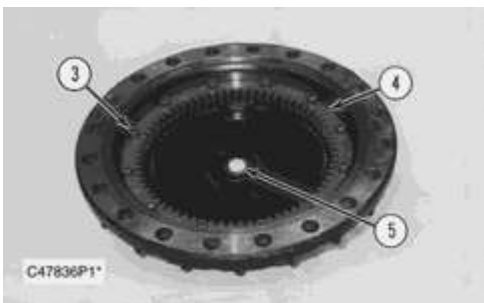


3. Fasten the final drive to Tooling (A) as shown. The combined weight of the final drive and final drive sprocket is **531 kg (1170 lb)**.

4. Remove 20 bolts (1) and the washers that hold the cover in place.

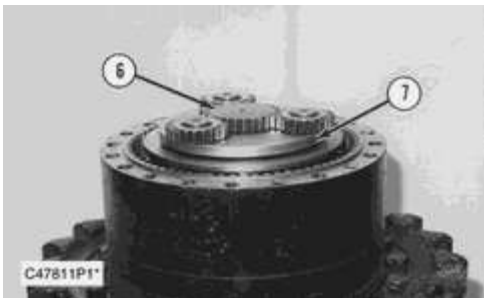


5. Using a soft faced hammer, break the seal between cover (2) and the ring gear. Fasten Tooling (B) and a hoist to cover (2) as shown. Remove the cover. The weight of the cover is **30 kg (66 lb)**.

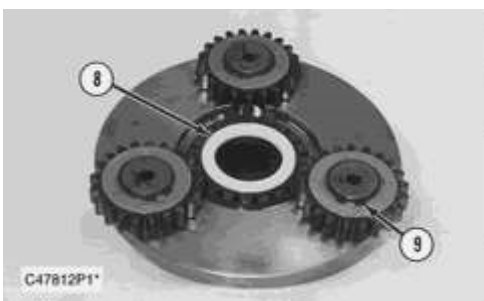


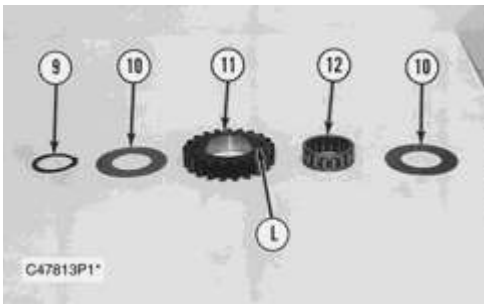
6. Remove thrust plate (5) from the cover.

7. Remove 12 socket head bolts (3) and ring gear (4) from the cover.



8. Remove sun gear (6). Remove carrier assembly (7) by lifting it straight up. The weight of the carrier assembly is **14 kg (30 lb)**.





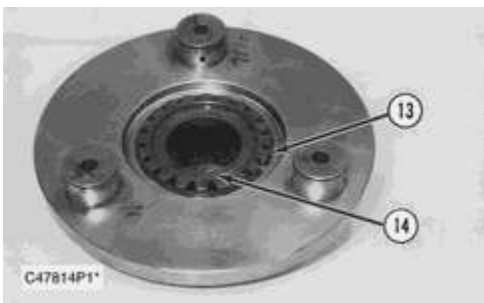
NOTE: Two spacers (8) are used with carrier assembly (7). One of the spacers fits on the top side of carrier assembly (7). The other spacer (8) is located in the carrier of carrier assembly (15).

9. Remove spacer (8) from carrier assembly (7).

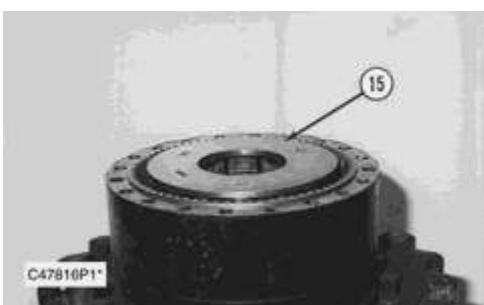
NOTE: Planetary gears (11) have identification marks (L) on them. Note the position of the identification marks in relation to the carrier for assembly purposes.

10. Remove retaining ring (9) with Tool (C). Remove two thrust washers (10) and planetary gear (11) from the carrier. Remove bearing (12) from the planetary gear.

11. Remove the other two planetary gears from the carrier as in Step 10.



12. Using a screwdriver, remove retaining ring (13) from the carrier. Remove sun gear (14) from the carrier.

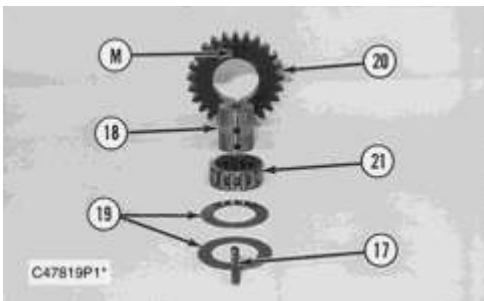
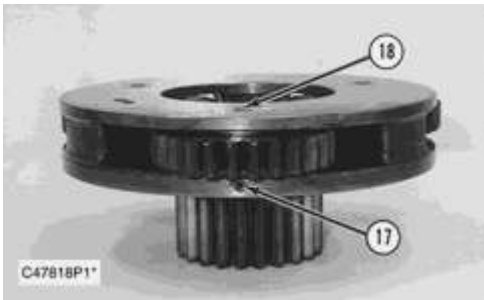


13. Using two persons, remove carrier assembly (15) by pulling it straight up. The weight of the carrier assembly is **25 kg (55 lb)**.



NOTE: Spacer (16) may remain with carrier assembly (15), or it may remain with carrier assembly (24) (Refer to the Step 19).

14. Remove the other spacer (8) (not shown) from the top side of carrier assembly (15). Remove spacer (16) from the bottom side of carrier assembly (15).

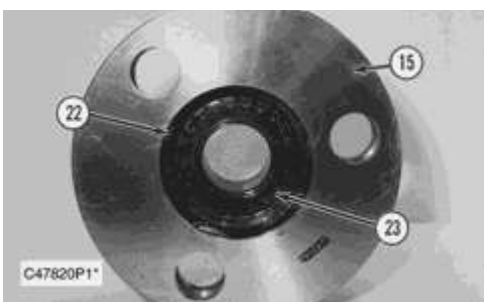


15. Drive spring pin (17) into planetary shaft (18) with a hammer and a punch.

NOTE: Planetary gears (20) have identification marks (M) on them. Note the position of the identification marks in relation to the carrier for assembly purposes.

16. Remove planetary shaft (18), two thrust washers (19) and planetary gear (20) from the carrier. Remove bearing (21) from the planetary gear. Remove spring pin (17) from planetary shaft (18) with a hammer and a punch.

17. Remove the other two planetary gears from the carrier as in Steps 15 and 16.



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