



Service Repair Manual

Models

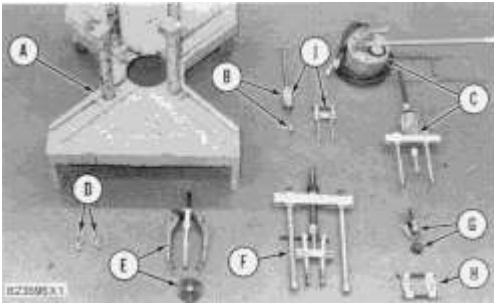
953 TRACK LOADER

Tools Needed		A	B	C	D	E	F	G
1P2420	Transmission Repair Stand	1						
FT996	Positioning Group	1						
FT957	Adapter Group	1						
1P74	Slide Hammer Puller		1					
8B7557	Adapter		1					
1P820	Hydraulic Puller Group			1				
1P7361	Plain Insert			1				
6V9061	Hand Pump Group (or electric)			1				
8S6586	Forcing Screw			1				
8B7553	Adapter			1				
8B7559	Adapter			1				
5B637	Nut			1				
5F7353	Washer			1				
5P4808	Cap			2				
5F7369	Leg			2				
3H465	Plate			4				
1B4207	Nut			2				
5P9736	Link Bracket				2			
1P2322	Puller Assembly					1		
T774	Spacer					1		1
1P525	Drive Plate					1		
1H3107	Push-Puller						1	
1H3108	Leg						2	
1H3112	Bearing Cup Puller Attachment						1	
1P2320	Puller Assembly							1
1P491	Drive Plate							1

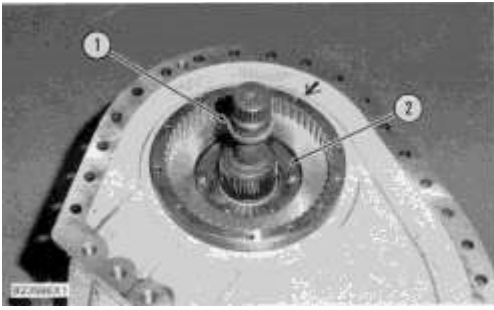
Tools Needed		H	J
1P74	Slide Hammer		1
8H663	Bearing Pulling Attachment	1	1
8B7554	Bearing Cup Pulling Attachment		1
7S7786	Leg		2

START BY:

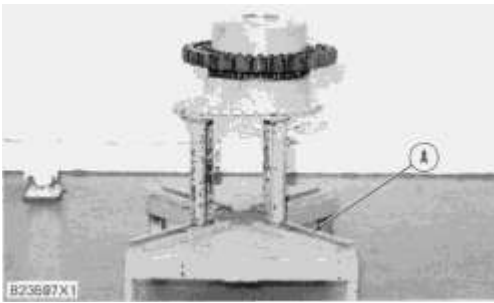
- a. remove final drives and sprocket assemblies
- b. remove track brakes



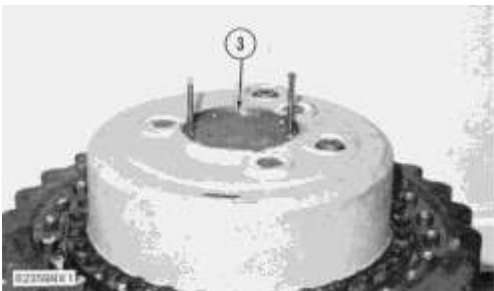
1. Drain the oil from the final drive.



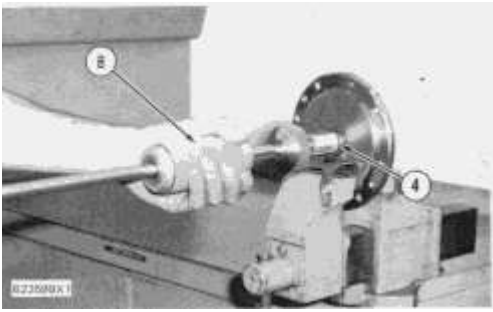
2. On a 953 final drive, remove shaft (1). Remove six bolts and retainer (2). On a 943 final drive there can be shims under retainer (2).



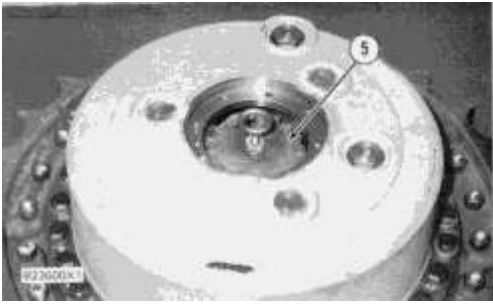
3. Fasten a hoist to the final drive, and put the final drive in position on tooling (A), and install four bolts and nuts to hold the final drive in place. Weight is: 943 - 359 kg (785 lb.), 953 - 495 kg (1100 lb.).



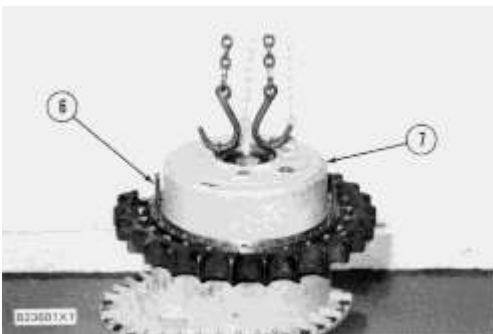
4. Remove the bolts that hold cover (3) in place, and use two 3/8"-16 NC forcing screws to remove the cover.



5. Use tooling (B) to remove button (4) (if applicable) from the cover if a replacement is necessary.

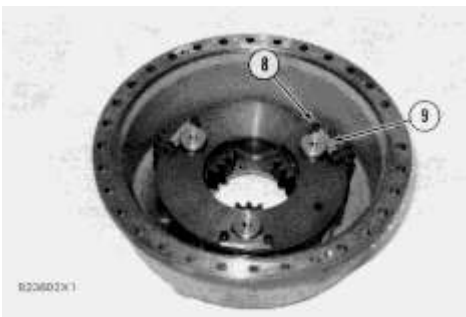


6. Install a 3/8\"-16 NC forged eyebolt in shaft (sun gear) (5), and remove the shaft.

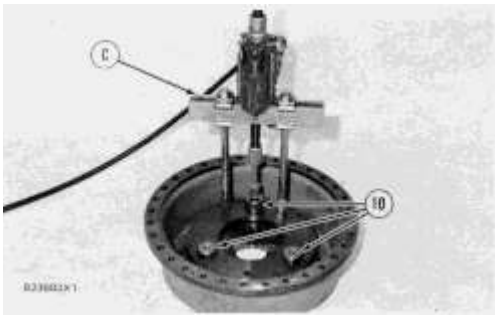


7. Remove the bolts that hold planet carrier (7) to the sprocket hub, and install two 5/8\"-11 NC forcing screws (6) to loosen the planet carrier.

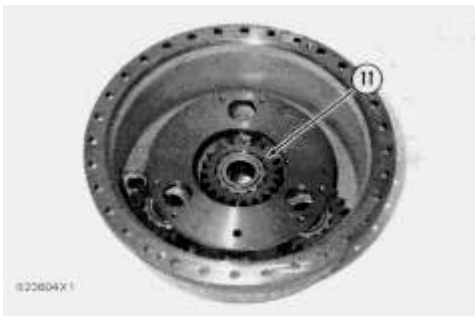
8. Install two 3/8\"-16 NC forged eyebolts in the planet carrier, and fasten a hoist. Remove planet carrier (7). Weight is: 943 - 52 kg (115 lb.), 953 - 79 kg (175 lb.).



9. Bend the locks away from bolts (8). Remove bolts (8), the locks and retainers (9) from the planet carrier.



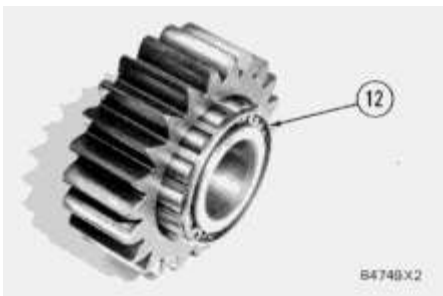
10. Use tooling (C) to remove planet shafts (10) from the planet carrier.



NOTICE

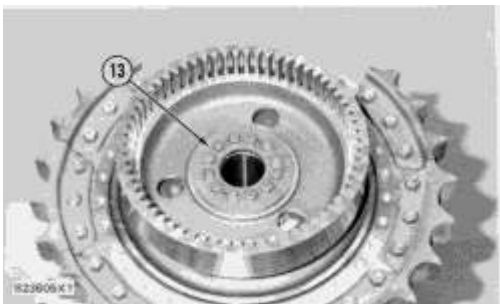
The bearings in planet gears (11) are loose and will fall out of the gears.

11. Move planet gears (11) to the center of the planet carrier one at a time, and remove them.



12. Remove bearings (12) from the planet gears.

13. Remove plate (13) and the shim(s) from the spindle.



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