

Product: TRACK LOADER

Model: 977L TRACK LOADER 64X

Configuration: 977L TRACK-TYPE LOADER / POWER SHIFT / 64X00001-UP (MACHINE) POWERED BY 3306 ENGINE

## Disassembly and Assembly 977L TRACK-TYPE TRACTOR POWER TRAIN

Media Number -SEN7794-00

Publication Date -01/09/1978

Date Updated -12/10/2001

### Sprocket Assemblies

SMCS - 4164-11; 4164-12

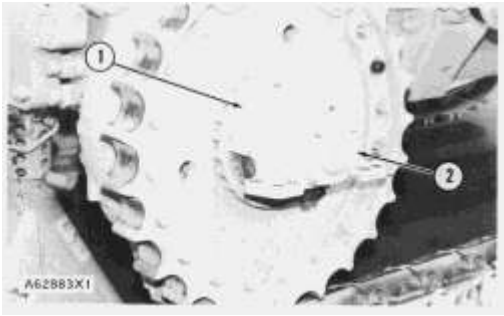
### Remove Sprocket Assemblies

	Tools Needed	A	B	C
7F9306	Spanner Wrench	1		
1P2322	Puller Assembly		1	
8B7561	Step Plate		1	
5P3100	Pump Group			1
9S8901	Cylinder Group			1
7M9774	Coupling			1
5P4183	Adapter			1
7M9772	Pin			1
1P5581	Spacer			1
7B2499	Ring			12
8F6220	Nut			3
5F9306	Arm			3
6H1625	Adapter			3
6H4158	Pin			6
1P5579	Adapter			1

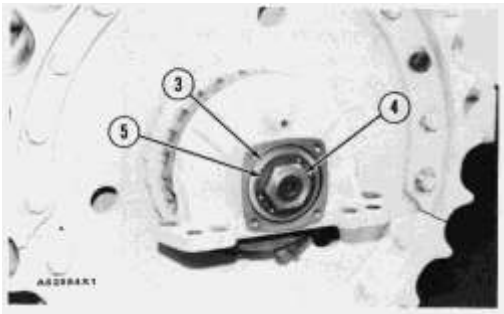
start by:

a) remove track roller frame

1. Drain the oil from the final drive case.



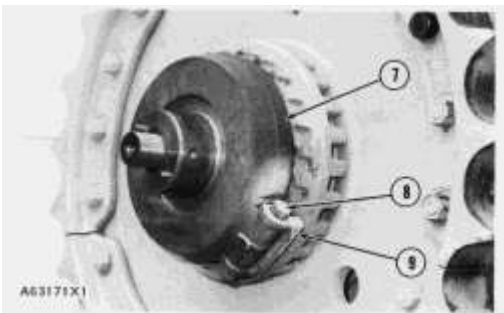
2. Remove guard (1), cap (2) and the gasket.



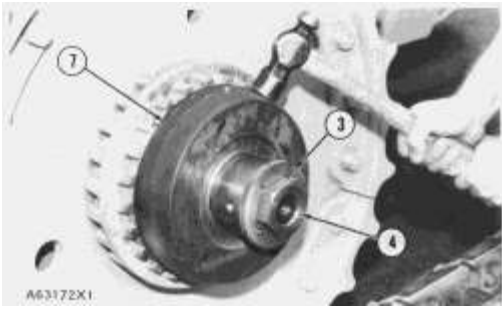
3. Remove lock (5), nut (4), washer assembly (3) and the shims from the sprocket shaft.



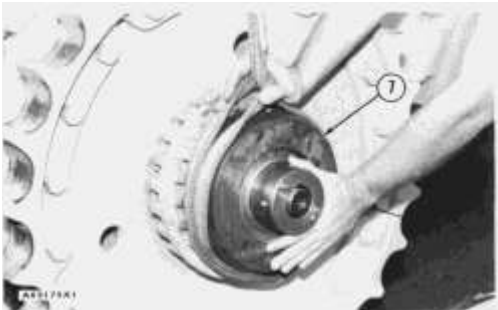
4. Remove bearing (6) and the seal from the holder assembly.



5. Remove bolt (8), the nut, lockwasher and lock (9) from holder assembly (7).



6. Install washer assembly (3) and nut (4) on the sprocket shaft until there is a distance of approximately .125 in. (3.175 mm) between washer assembly (3) and holder assembly (7). Make sure the holes in washer assembly (3) are in alignment with the dowels in holder assembly (7).

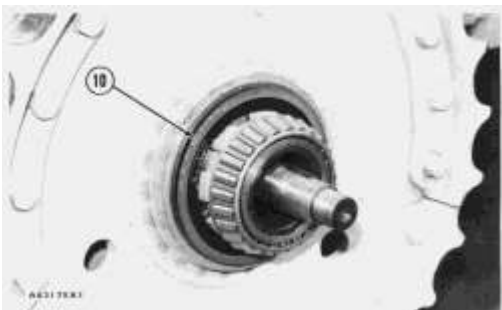


7. Hit holder assembly (7) to loosen it from the taper on the sprocket shaft.

8. Fasten a hoist to holder assembly (7). Remove nut (4), washer assembly (3) and holder assembly (7) and the adjustment nut as a unit. The weight of the unit is 80 lb. (36 kg).



9. Remove the outer half of Duo-Cone seal (10) from the adjustment nut.

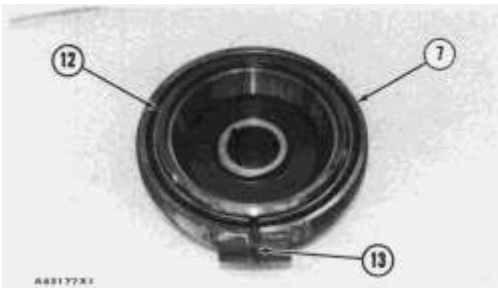


10. Remove the inner half of Duo-Cone seal (10) from the sprocket.

**NOTE:** Keep the Duo-Cone seals for the sprocket and adjustment nut together so they will not be mixed at assembly.



**11.** Remove adjustment nut (11) from holder assembly (7).



**12.** Remove gasket (12) and seal (13) from hub assembly (7).

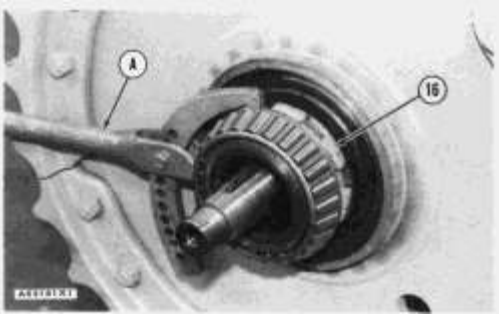
**NOTE:** Later machines do not have seal (13).



**13.** Remove cage (14) from holder assembly (7).

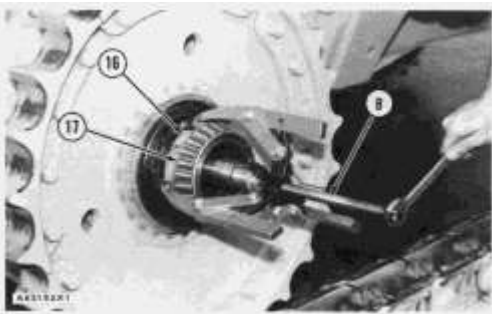


**14.** Remove bearing cup (15) from cage (14).



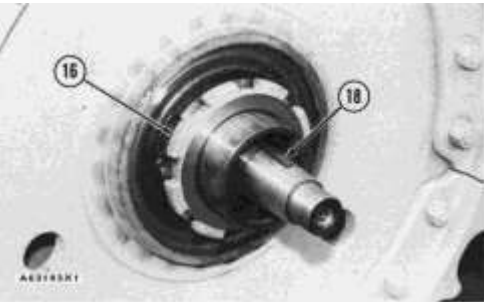
15. Bend the tab of the lock from nut (16).

16. Use tool (A) to loosen nut (16) until it is free from the threads on the sprocket shaft. This will push the bearing cone toward the end of the sprocket shaft.



17. Put tooling (B) in position and pull on nut (16) to remove the nut and bearing (17).

18. Remove the lock for nut (16) from the sprocket shaft.



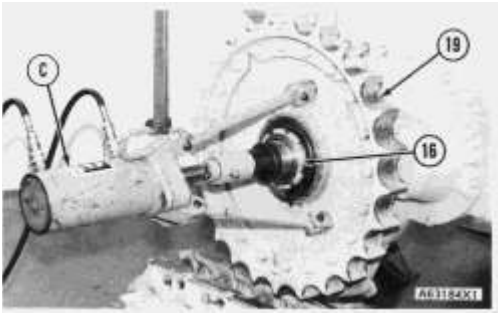
19. Install nut (16) on the sprocket shaft until there is a clearance of .25 in. (6.35 mm) between the nut and sprocket. Nut (16) is used for protection when the sprocket is loosened from the final drive hub.

20. Remove key (18) from the sprocket shaft.



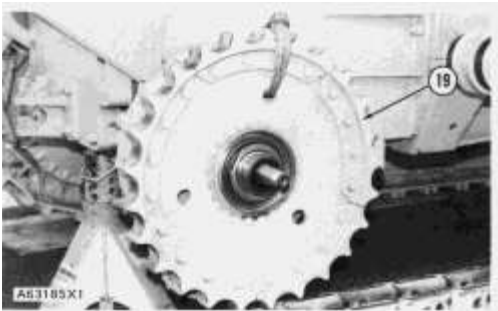
**WARNING**

**The sprocket is installed with a pressure of 45 to 50 tons (400 to 445 kN). Keep away from the area of the sprocket when it is loosened from the hub with tooling (C).**

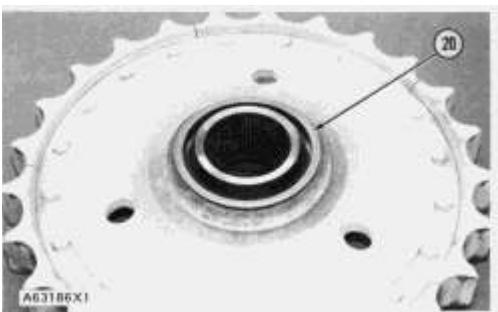


**21.** Install tooling (C) on the end of the sprocket shaft and sprocket (19) as shown.

**22.** Loosen the sprocket with tooling (C). Remove tooling (C) and nut (16).



**23.** Fasten a hoist to sprocket (19) and remove it from the final drive hub. The weight of the sprocket is 400 lb. (180 kg).



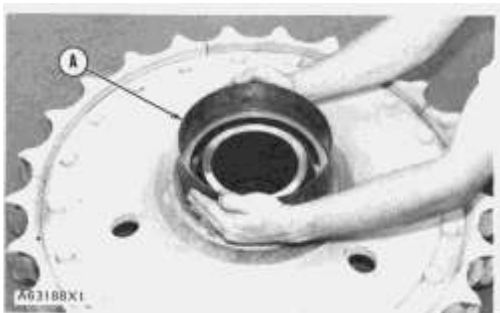
**24.** Remove the outer half of Duo-Cone seal (20) from the sprocket.



**25.** Remove the inner half of Duo-Cone seal (20) from the final drive case. Keep the Duo-Cone seals together so they will not be mixed at assembly.

## **Install Sprocket Assemblies**

	Tools Needed	A	B	C
8M9395	Seal Installer	1		
9S8901	Cylinder Group		1	
5P3100	Pump Group		1	
7M9774	Coupling		1	
5P4183	Adapter		1	
7M9772	Pin		1	
1P5581	Spacer		1	
1P5579	Adapter		1	
8M9010	Sleeve		1	
9H3992	Head		1	
6H4158	Pin		2	
7B2499	Ring		4	
7F9306	Spanner Wrench			1



1. Make sure the Duo-Cone seals for the final drive case and sprocket are clean and dry. Make sure all metal surfaces that the seals make contact with are clean and dry. Install the Duo-Cone seals in the final drive case and inner side of the sprocket with tool (A). Put a light amount of oil on the metal surfaces of the seals that make contact with each other.

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