

Product: TRACK LOADER

Model: 931B TRACK LOADER 29Y

Configuration: 931B TRACK LOADER / POWER SHIFT / 29Y00001-UP (MACHINE) POWERED BY 3204 ENGINE

Disassembly and Assembly

D3B TRACTOR & 931B TRACTOR TYPE LOADER POWER TRAIN

Media Number -SEN7918-02

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SEN79180005

Track Rollers

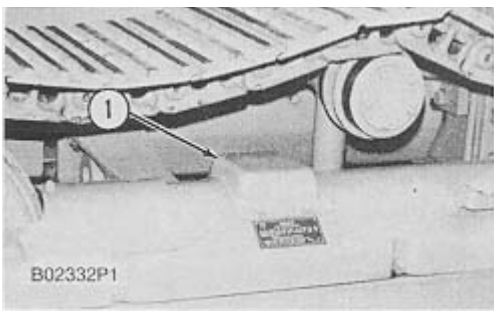
SMCS - 4108-010; 4108-015; 4180-016

Remove And Install Track Rollers

Tools Needed	A
5P6215 Jack Stand	4

Start By:

- a. remove track roller guards

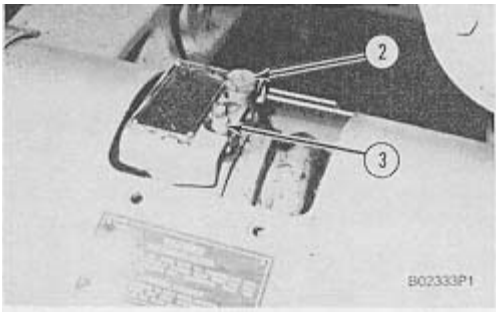


1. Remove cover (1).



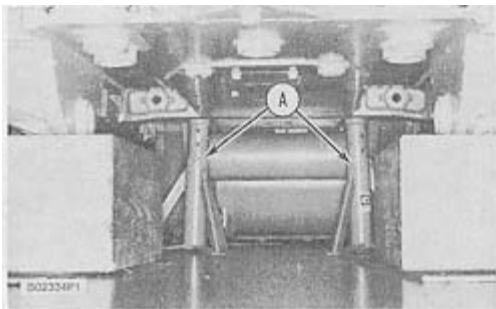
WARNING

The adjuster cylinder for the track is under high hydraulic pressure. Do not visually inspect the relief valve to see if grease is released when it is open. Look to see that the track has loosened. Use this warning any time the tracks are loosened or tightened.

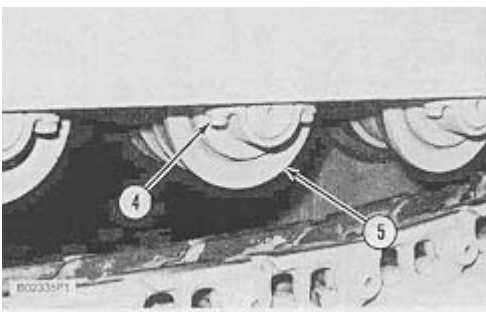


2. Loosen the track as follows:

- a.** Turn the relief valve (2) one turn counterclockwise to permit grease to be released from the vent hole below the relief valve. If the track does not loosen, go to Step b.
- b.** Turn fill valve (3) one turn counterclockwise to permit grease to be released from the vent hole below the fill valve. If the track still does not loosen, start the machine and move it forward and backward. If grease is still not released, go to Step c.
- c.** Install a slug that is 76.2 mm (3 in) in diameter and 63.5 mm (2.5 in) long between the track and sprocket segment. Move the machine to the rear so the track will be pushed up by the bar. This will put tension on the track and move the front idler and track adjuster to the rear against the force of the recoil spring. This will push grease out of the vent holes.



3. Lift the machine until the track rollers are off the track. Put tooling (A) or wood blocks in position under the machine.



4. Remove four bolts and lockwashers (4). Remove track roller (5). Weight is 22 kg (48 lbs).

NOTE: The following steps are for installation of track rollers.

NOTICE

Remove all paint from the surfaces of the track roller and track roller frame that make contact. If there is paint between the track roller and track roller frame, the bolts that hold the track roller in place can loosen.

5. Put track roller (5) in position. Install the four lockwashers and bolts that hold the roller in place. Tighten the bolts to a torque of $135 \pm 20 \text{ N}\cdot\text{m}$ ($101 \pm 15 \text{ lb ft}$).
6. Remove tooling (A) or wood blocks from under the machine.
- 7 Make an adjustment to the track. See the Topic, Track Adjustment.
8. Put cover (1) in position and install the bolts that hold it in position.

End By:

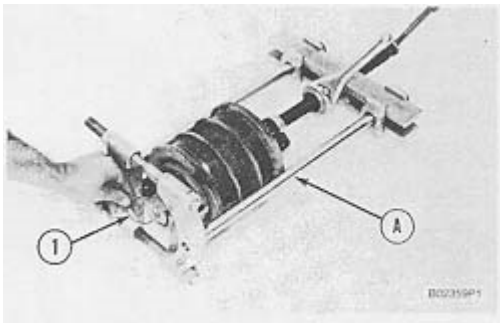
- a. install track roller guards

Disassemble Track Rollers

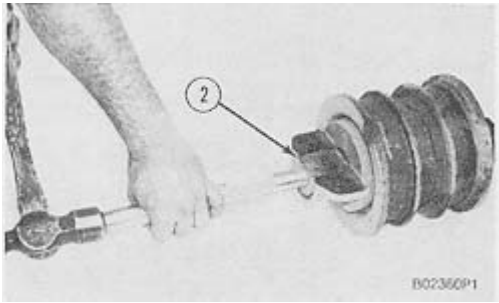
Tools Needed		A	B	C
8B7548	Puller Assembly	1		
8B7551	Bearing Puller Attachment	1		
8H684	Ratchet Box Wrench	1		
FT1216	Roller Bushing Removal Adapter		1	
1P510	Driver Group	1		1

Start By:

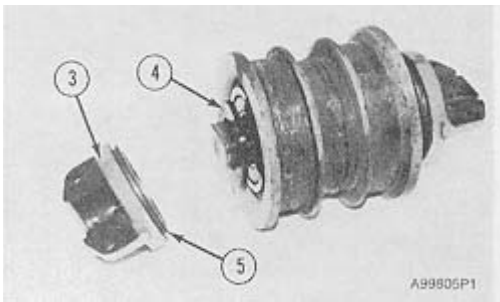
- a. remove track rollers



1. Remove the drain plug and drain oil from the track roller.
2. Use tooling (A) to put the track roller under compression so ring (1) can be removed. Remove the ring. Remove tooling (A).

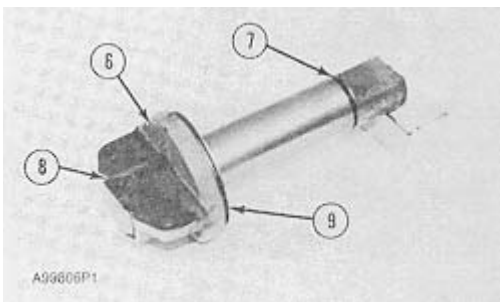


3. Use a brass bar and hammer to push shaft (2) through the roller.



4. Remove collar (3) and washer (4) from the shaft.

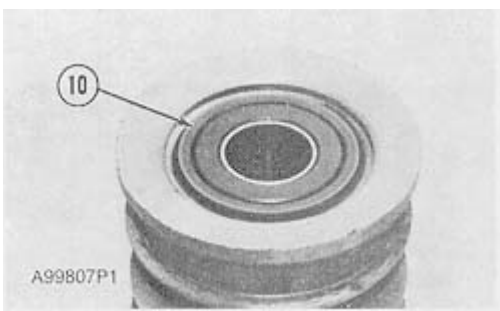
5. Remove Duo-Cone seal (5) from the collar.



6. Remove the shaft and other collar from the roller. Remove the washer from the shaft.

7. Remove ring (8). Remove collar (6) from the shaft. Remove O-ring seals (7) from the shaft.

8. Remove Duo-Cone seal (9) from the collar.



9. Remove Duo-Cone seals (10) from the collar.

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