



# Service Repair Manual

## **Models**

# 931B TRACK LOADER

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Product: TRACK LOADER

Model: 931B TRACK LOADER 30Y

Configuration: 931B LGP TRACK LOADER / POWER SHIFT / 30Y00001-UP (MACHINE) POWERED BY 3204 ENGINE

## Disassembly and Assembly D3B TRACTOR & 931B TRACTOR TYPE LOADER POWER TRAIN

Media Number -SEN7918-02

Publication Date -01/11/2004

Date Updated -15/02/2017

SEN79180010

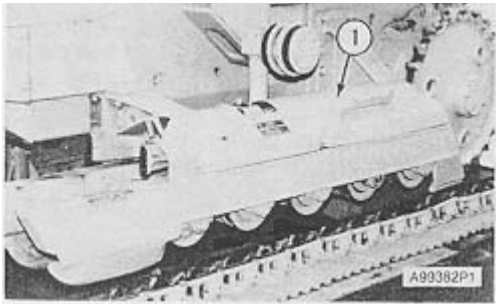
### Track Roller Frames

SMCS - 4151-010

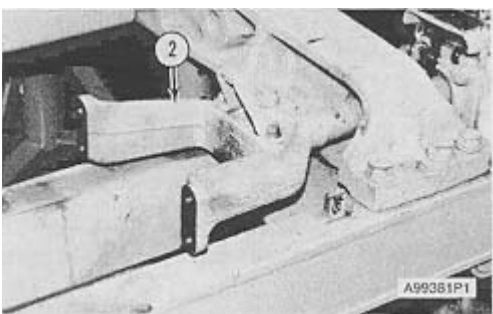
## Remove And Install Track Roller Frame

Start By:

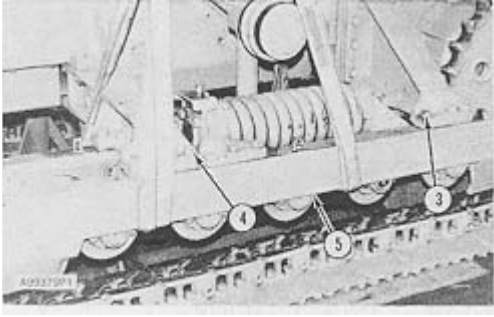
- a. remove front idlers



1. Remove recoil spring guard (1) from the track roller frame.



2. Remove yoke assembly (2) from the track roller frame.



**3.** Fasten two straps and a hoist to the track roller frame.

**4.** Remove bolts (3) and (4) that hold the track roller frame in place. Remove track roller frame (5). The weight is 320 kg (700 lb).

**NOTE:** The following steps are for the installation of track roller frames.

**5.** Fasten two straps and a hoist to the track roller frame (5). Put the track roller frame in position on the machine.

**6.** Install bolts (3) and (4) that hold the track roller frame in position. Tighten the bolts to a torque of  $360 \pm 47 \text{ N}\cdot\text{m}$  ( $265 \pm 35 \text{ lb ft}$ ).

**7.** Install yoke assembly (2).

**8.** Install recoil spring guard (1) on the track roller frame.

End By:

**a.** install front idlers

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## Disassembly and Assembly D3B TRACTOR & 931B TRACTOR TYPE LOADER POWER TRAIN

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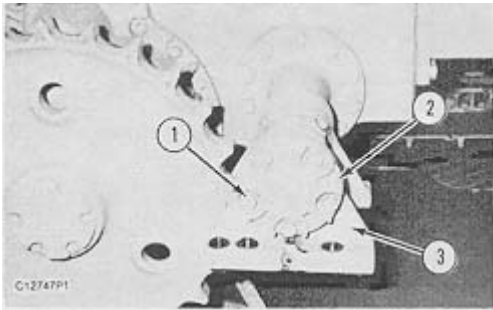
### Pivot Shaft (D3B SA)

SMCS - 7117-011

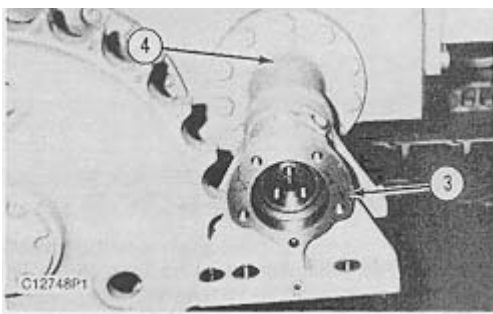
### Remove And Install Pivot Shaft (D3B SA)

Start By:

- a. remove track roller frames

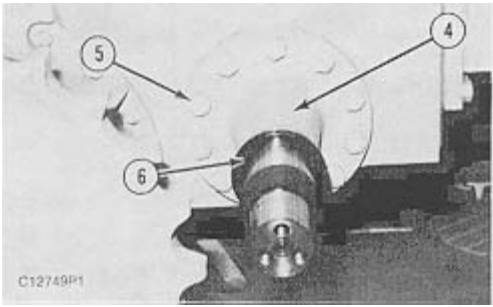


1. Remove bolts (1) and retainer (2) from support assembly (3). Remove the O-ring seal from the retainer.

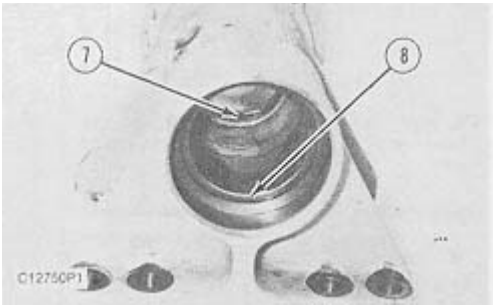


2. Remove the bolts and plate that hold support assembly (3) in position on shaft assembly (4).

3. Attach a hoist to support assembly (3), and remove it from shaft assembly (4). The weight of the support assembly is 32 kg (71 lb).



4. Remove seal (6) from shaft assembly (4).
5. Attach a hoist to shaft assembly (4). The weight of the shaft assembly is 32 kg (71 lb).



6. If necessary, remove bearings (7) and (8) from the support assembly.

**NOTE:** The following steps are for installation of the pivot shaft.

7. If bearings (7) and (8) were removed, install the bearings in support assembly (4). The inside diameter of bearing (7) must be  $69.856 \pm 0.134$  mm ( $2.7502 \pm .0053$  in) after installation. The inside diameter of bearing (8) must be  $88.744 \pm 0.084$  mm ( $3.4939 \pm .0033$  in) after installation.

8. Put 5P3931 Anti-Seize Compound on the shaft assembly pilot. Attach a hoist to the shaft assembly (4). Put shaft assembly (4) in position, and install bolts (5).

9. Install seal (6) on the shaft assembly.

10. Attach a hoist to support assembly (3). Put support assembly (3) in position on shaft assembly (4), and install the plate and bolts that hold it in place.

11. Install the O-ring seal on retainer (2). Put clean oil on the O-ring seal. Put retainer (2) in position on support assembly (3), and install bolts (1).

12. Fill the pivot shaft with oil to the correct level. See the Operation And Maintenance Manual.

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