



# Service Repair Manual

## **Models**

# D6R Track-Type Tractor

---

Product: TRACK-TYPE TRACTOR

Model: D6R TRACK-TYPE TRACTOR 6HR

Configuration: D6R XR & D6R LGP TRACTORS / POWERSHIFT / 6HR00001-UP (MACHINE) POWERED BY 3306 ENGINE

## Disassembly and Assembly D6R TRACK-TYPE TRACTOR POWER TRAIN

Media Number -SEN8357-02

Publication Date -01/05/2005

Date Updated -03/06/2014

SEN83570007

### Front Track Roller Frames

SMCS - 4151-011; 4151-012

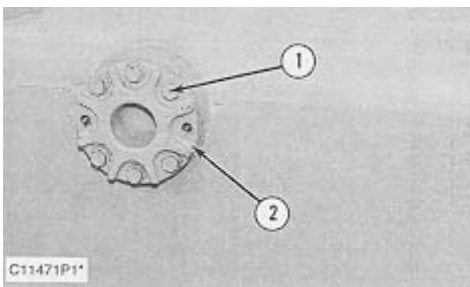
### Remove Front Track Roller Frames

Tools Needed		A	B
6V2157	Link Bracket	2	
1D4616	Bolt	2	
3H1504	Washer	2	
8S9906	Ratchet Puller		1

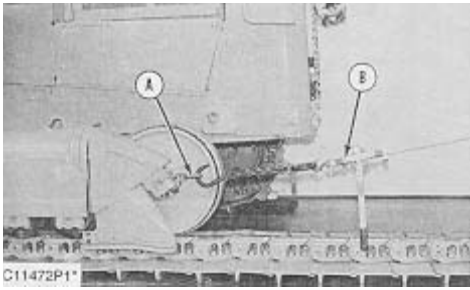
Start By:

a. Separate track

**NOTE:** The track roller frame does not have an oil drain plug. To avoid an oil spill when the front track roller frame is removed from the rear track roller frame, use a vacuum pump in the opening, near the track adjuster valve, to remove the oil. If a vacuum pump is not available, the oil will drain when the front track roller frame is removed from the rear track roller frame.

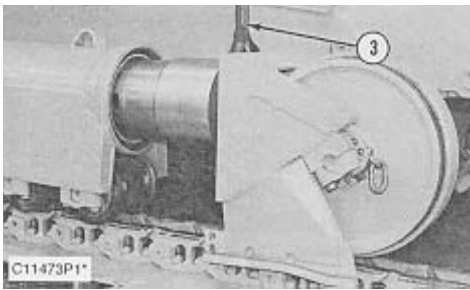


1. Remove six bolts (1) and guide assembly (2) from each side of the rear track roller frame. Remove the O-ring seal from each end of the guide assemblies.

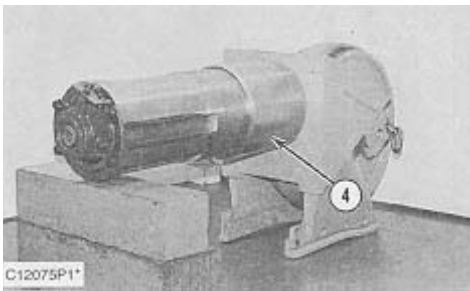


2. Remove one bolt from each side of the front idlers and install Tooling (A).

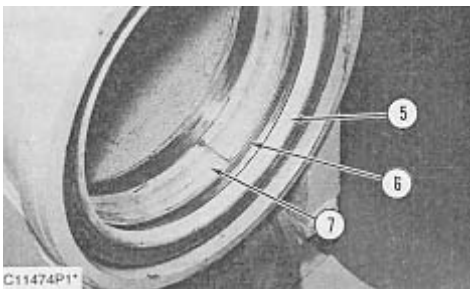
3. Attach one end of Tooling (B) to Tooling (A). Attach the other end of the Tooling (B) to a stationary object. Use Tooling (B) to pull the front track roller frame out of the rear track roller frame until the bearing is free from the seal. Remove Tooling (B).



4. The weight of the front track roller frame is **546 kg (1200 lb)**. Put a nylon strap (3) around the front track roller frame and attach a hoist. Adjust the strap so the front track roller frame will be level and remove it from the rear track roller frame.



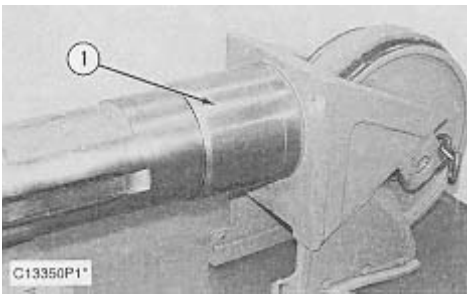
5. Put the front track roller frame on blocks as shown. Use a torch and remove bearing (4) from the front track roller frame if necessary.



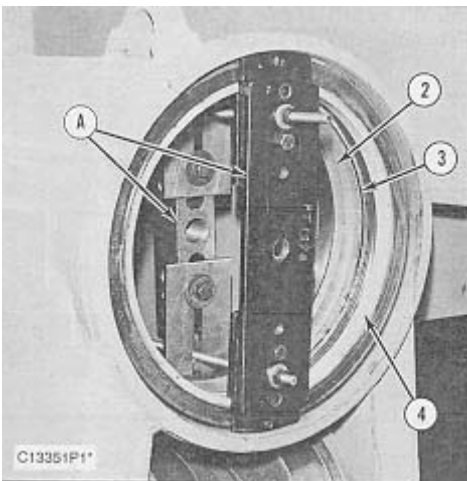
6. Remove seal assembly (5), ring (6), and bearing (7) from the rear track roller frame.

## Install Front Track Roller Frame

Tools Needed		A	B	C	D	E
FT1976	Seal Starter Group	1				
6V3009	Crossbar	1				
FT1965	Seal Driver		1			
8T5071	Seal Guard [894 mm (35.2 in)]			1		
8S9906	Ratchet Puller				2	
5P9736	Link Bracket				2	
0S1595	Bolt				2	
6V2157	Link Bracket					2
1D4616	Bolt					2



1. If it is necessary to replace bearing (1), remove the track adjuster from the front track roller frame. See Remove and Install Track Adjuster in this module for the proper procedure.
2. Put dry ice in the front track roller frame tube to lower the temperature of the tube. Heat bearing (1) to a maximum temperature of **175° C (350° F)**. Install bearing (1) onto the front track roller frame. Install the bearing so that it is a maximum of **1 mm (.039 in)** away from the plate at the front of the roller frame.
3. Install the track adjuster into the front track roller frame. See Remove And Install Track Adjuster in this module for the proper procedure.



4. Install bearing (2) and ring (3) into the rear track roller frame.

---

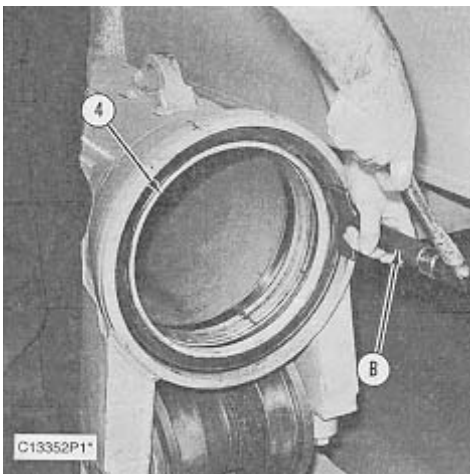
## NOTICE

**Make sure Tooling (A) and Tooling (B) put pressure on the outer ring of seal assembly (4) when they are used to install the seal assembly into the rear track roller frame.**

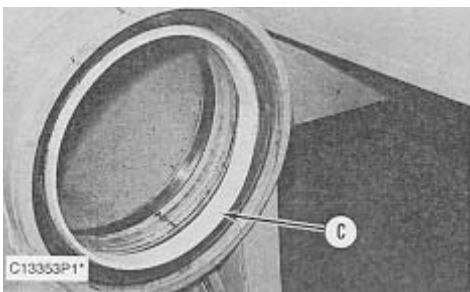
---

5. Put **7M7456 Bearing Mount** on the outer diameter of seal assembly (4). Put seal assembly (4) and Tooling (A) in position in the rear track roller frame as shown.

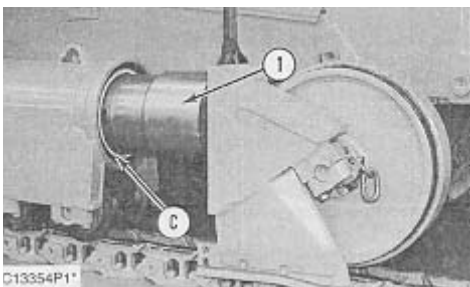
6. Tighten two nuts [part of Tooling (A)] evenly and pull seal assembly (4) in until it is even with the front surface of the rear track roller frame.



7. Use Tool (B) and install seal assembly (4) to the bottom of the counterbore in the rear track roller frame.



8. Put seal guard [Tooling (C)] in position on the inner diameter of seal assembly (4).



Thank you so much for reading.  
Please click the “Buy Now!”  
button below to download the  
complete manual.



After you pay.

You can download the most  
perfect and complete manual in  
the world immediately.

Our support email:

[ebooklibonline@outlook.com](mailto:ebooklibonline@outlook.com)