



Service Repair Manual

Models

D11T TRACK-TYPE TRACTOR

Product: TRACK-TYPE TRACTOR

Model: D11T TRACK-TYPE TRACTOR TPB

Configuration: D11T CARRYDOZER TRACK-TYPE TRACTOR TPB00001-UP (MACHINE) POWERED BY C32 Engine

Disassembly and Assembly D11T Track-Type Tractor Power Train

Media Number -REN8226-03

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i02834289

Recoil Spring - Install

SMCS - 4158-012

Installation Procedure

Table 1

Required Tools			
Tool	Part Number	Part Description	Qty
A	8S-7640	Stand	1
	8S-7611	Tube	1
	8S-7615	Pin	1
	8S-8048	Saddle	1
B	3S-6224	Electric Hydraulic Pump Gp	1
	1S-8937	Needle Valve	1
	8S-7172	Double Acting Cylinder	1
	5P-7269	Plate	1
	1J-2921	Bolt	2
	5F-9888	Coupling	1
	5P-8713	Plate	1
	163-9151	Pilot	1
	5P-2678	Stud	4
	FT-2631	Spacers	8
	5P-8249	Hard Washer	4

	2J-3505	Full Nut	4
C	1P-0520	Driver Gp	1
D	-	Bar Stock 12.7 mm (0.50 inch) by 54.00 mm (2.125 inch) by 609.6 mm (24.00 inch) long	1

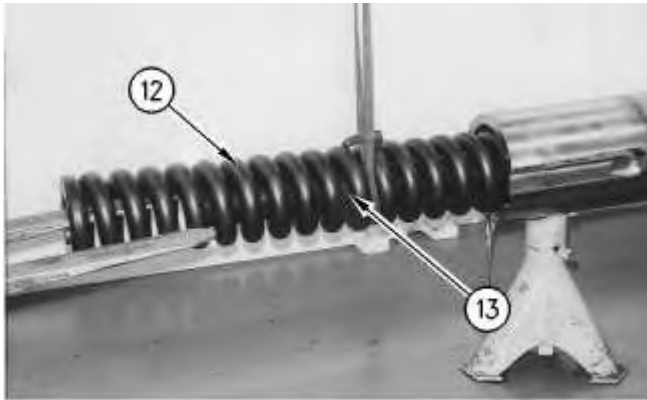


Illustration 1

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NOTICE

Install stop assembly (13) with the large inside diameter toward the front of the track roller frame.

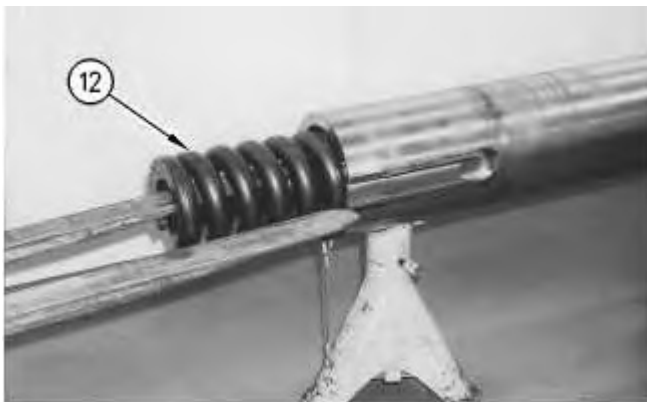


Illustration 2

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NOTICE

Do not damage the threads on the inside of the front track roller frame when the recoil spring is installed.

1. Attach a suitable lifting device to recoil spring (12) and stop assembly (13). The weight of recoil spring (12) and stop assembly (13) is approximately 522 kg (1150 lb). Install recoil spring (12) and stop assembly (13) in the front track roller frame.
2. Use a suitable lift truck to install recoil spring (12) and stop assembly (13) into the front track roller frame.



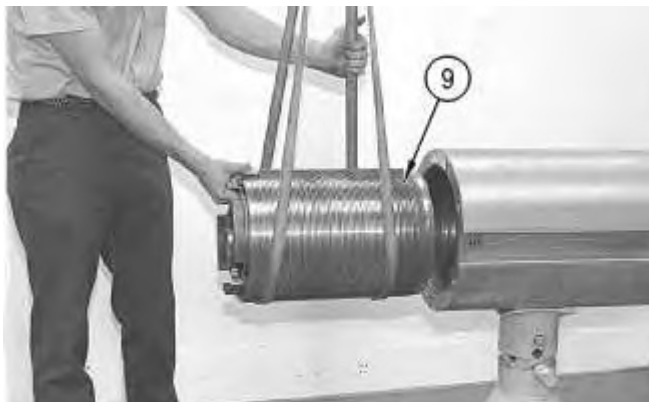
Illustration 3

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3. Use Tooling (C) to install bearing (11) in pilot assembly (10) if the bearing was removed. The inside diameter of the bearing must be 101.100 ± 0.116 mm ($3.9803 \pm .0045$ inch) after installation.

Note: The recoil spring and the stop assembly must be against the end of the front track roller frame before pilot assembly (10) is installed.

4. Install pilot assembly (10) in the front track roller frame.



5. Attach a suitable lifting device to recoil spring retainer (9). The weight of recoil spring retainer (9) is approximately 55 kg (120 lb). Install recoil spring retainer (9) in the front track roller frame.
6. Tighten recoil spring retainer (9). Use Tooling (D) to tighten recoil spring retainer (9) enough to contact the pilot assembly. Recoil spring retainer (9) must be installed approximately 89.0 mm (3.50 inch).

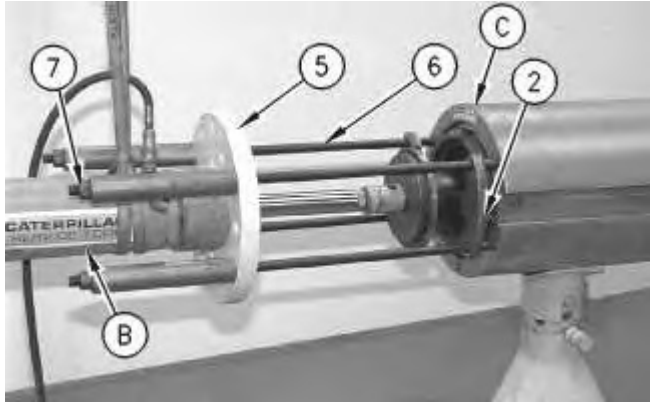


Illustration 5

 **WARNING**

Use only the tooling and cylinder listed in this procedure. Do not use other cylinders because they can cause enough force to break the tension rods. This can result in personal injury or death.

7. Install Tooling (B). Measure the distance between Surface (C) and **5P-7269** Plate (5) at four locations next to **5P-2678** Studs. Use **2J-3505** Nuts (7) in order to adjust the plate. Adjust the distance to 550.0 mm (21.65 inch). Install stops (2) on **5P-2678** Studs (6) to aid in proper alignment for installation.

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