



# Service Repair Manual

## **Models**

320D and 320D L Excavator

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Product: EXCAVATOR

Model: 320D L EXCAVATOR MDE

Configuration: 320D & 320D L Excavators MDE00001-UP (MACHINE) POWERED BY 3066 Engine

## Disassembly and Assembly 320D Excavator Machine Systems

Media Number -REN8614-14

Publication Date -01/05/2013

Date Updated -19/07/2017

i04552524

# Front Idler, Recoil Spring and Hydraulic Track Adjuster - Remove

SMCS - 4157-011; 4158-011; 4159-011

## Removal Procedure

### Start By:

- a. Separate the track assemblies. Refer to Disassembly and Assembly, "Track - Separate".



Illustration 1

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**The spring of the recoil spring assembly is compressed under several tons of force.**

**Do not attempt to compress or release the tension of the spring with the nut on the end of the retaining rod.**

**Damaged threads on the retaining rod or nut can cause the assembly to come apart with force, resulting in injury or death.**

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1. Use a pry bar and move the front idler (1), the recoil spring, and the hydraulic track adjuster partially out of the track roller frame. Attach a suitable lifting device to front idler (1), as shown.

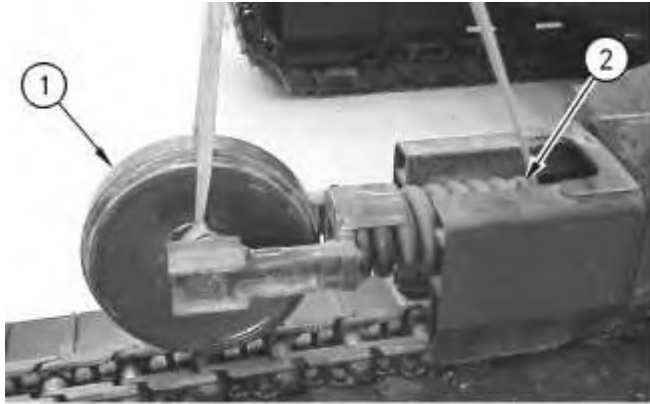


Illustration 2

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2. Once front idler (1), the recoil spring, and the hydraulic track adjuster (2) is partially out of the track frame reposition the suitable lifting device in order to support the recoil spring, the hydraulic track adjuster, and the front idler.
3. Slide the front idler, the recoil spring, and the hydraulic track adjuster (2) out of the track roller frame as one unit. The weight of the unit is approximately 204 kg (450 lb).
4. Leave the suitable lifting device attached and turn the front idler, the recoil spring, and the hydraulic track adjuster around 180 degrees.

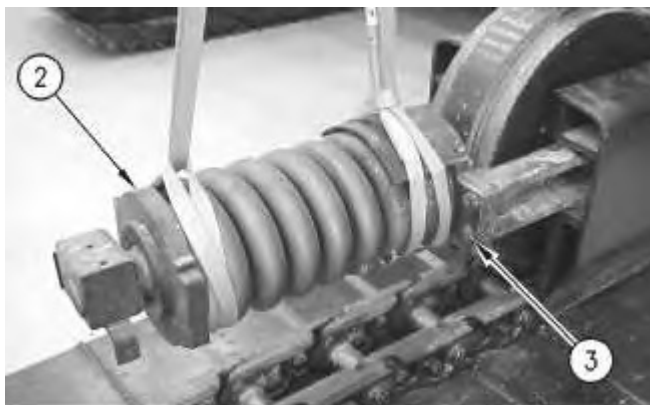


Illustration 3

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5. Install the front idler partially into the track frame. The front idler, the recoil spring, and the hydraulic track adjuster will be supported by the track frame.

6. Reposition the suitable lifting device in order to support the recoil spring and the hydraulic track adjuster (2).
7. Remove bolts (3) that hold the front idler to the recoil spring and the hydraulic track adjuster together.
8. Separate recoil spring and the hydraulic track adjuster (2) from the front idler. The front idler will be supported by the track frame.
9. The weight of the recoil spring and the hydraulic track adjuster as a unit is approximately 95 kg (210 lb).

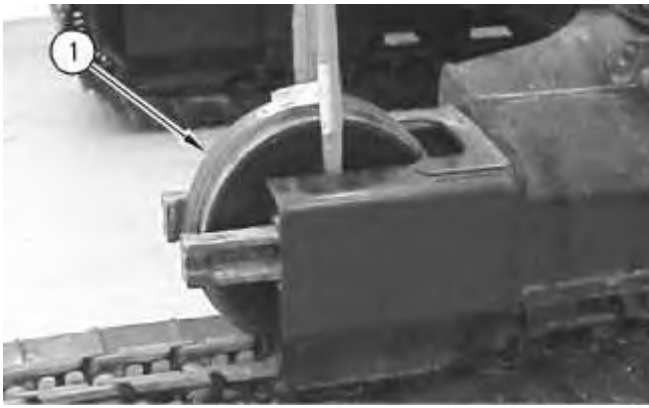


Illustration 4

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10. Attach a suitable lifting device to the front idler (1), as shown.
11. Remove the front idler from the track roller frame. The weight of the front idler is approximately 109 kg (240 lb).

**Reference:** Refer to Undercarriage Reconditioning Bulletin, SEBF8495, "Hydraulic Excavator Idler Disassemble and Assembly" for the proper procedures.

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Media Number -REN8614-14

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# Front Idler, Recoil Spring and Hydraulic Track Adjuster - Install

SMCS - 4157-012; 4158-012; 4159-012

## Installation Procedure

1. Be sure that the mating surfaces on the front support for the recoil spring are clean and free of dirt and debris prior to assembly. Be sure that the mating surfaces on the two bearings for the front idler are clean and free of dirt and debris prior to assembly.

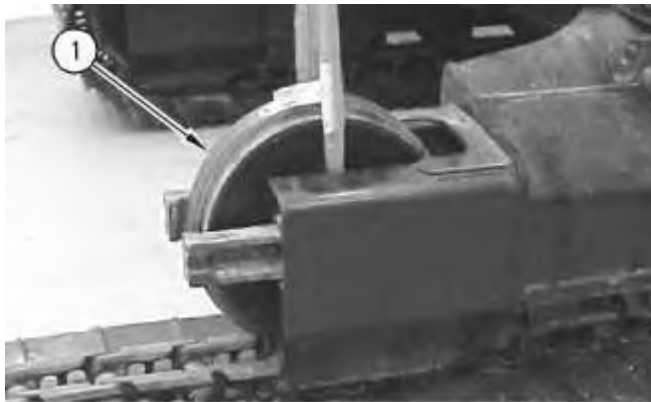


Illustration 1

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2. Attach a suitable lifting device to the front idler (1), as shown. Install the front idler in the track roller frame. The weight of front idler is approximately 109 kg (240 lb).
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