



# Service Repair Manual

## **Models**

# 305.5 Mini Hydraulic Excavator

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Product: MINI HYD EXCAVATOR

Model: 305.5 MINI HYD EXCAVATOR CXZ

Configuration: 305.5 Mini Hydraulic Excavator CXZ00001-UP (MACHINE) POWERED BY 4M40 Engine

## Disassembly and Assembly 305.5 and 306 Mini Hydraulic Excavators Machine Systems

Media Number -REN9437-08

Publication Date -01/09/2018

Date Updated -17/09/2018

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# Sprocket - Remove and Install

SMCS - 4164-010

## Removal Procedure

Start By:

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

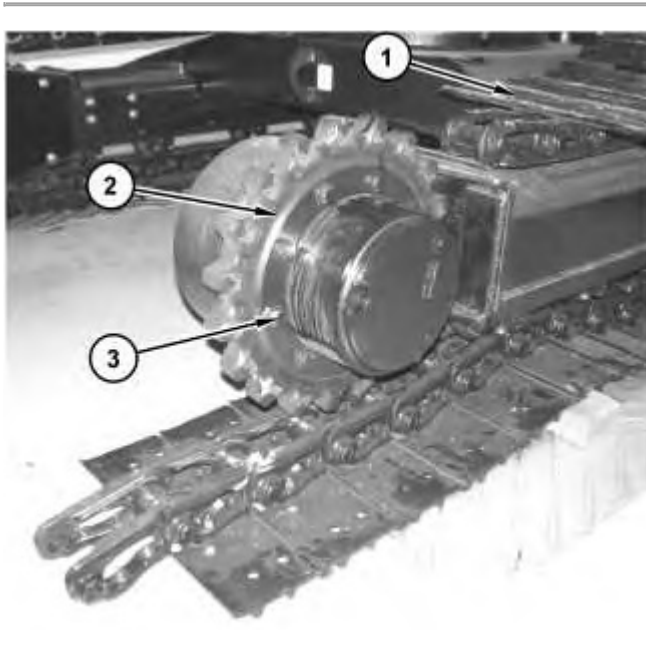


Illustration 1

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1. Slide track assembly (1) away from sprocket (2). Remove bolts (3) and sprocket (2).

## Installation Procedure

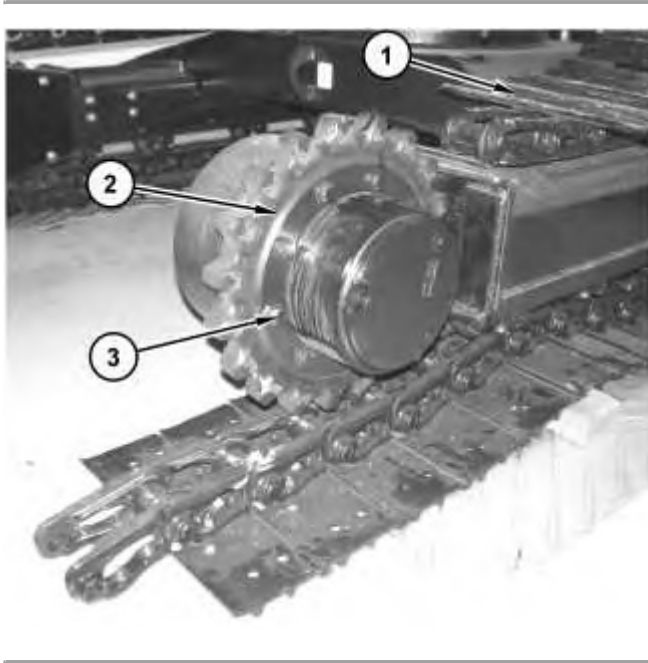


Illustration 2

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1. Install sprocket (2) and bolts (3). Slide track assembly (1) over sprocket (2).

**End By:**

- a. Connect the track in the rear. Refer to Disassembly and Assembly, "Track - Connect".

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## **Disassembly and Assembly**

### **305.5 and 306 Mini Hydraulic Excavators Machine Systems**

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i05182523

## **Final Drive and Travel Motor - Remove**

SMCS - 4050-011; 4351-011

### **Removal Procedure**



**At operating temperature, the hydraulic oil is hot and under pressure. Hot oils can cause burns.**

**To prevent possible personal injury, release the pressure in the work tool hydraulic circuit (boom, stick, bucket, and swing), travel circuits, and the hydraulic oil tank at the filler cap before any hydraulic lines or components are disconnected or removed.**

**Remove the filler cap only when the engine is stopped and the filler cap is cool enough to touch.**

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### **NOTICE**

**Care must be taken to ensure that fluids are contained during performance of inspection, maintenance, testing, adjusting, and repair of the product. Be prepared to collect the fluid with suitable containers before opening any compartment or disassembling any component containing fluids.**

**Refer to Special Publication, NENG2500, "Dealer Service Tool Catalog" for tools and supplies suitable to collect and contain fluids on Cat products.**

**Dispose of all fluids according to local regulations and mandates.**

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Illustration 1

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1. Position the machine onto suitable cribbing below the first roller, as shown. Ensure that the master pin is above the center line of the sprocket.
2. Separate the track. Refer to Disassembly and Assembly, "Track - Separate".



Illustration 2

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3. Rotate the final drive until drain plug (1) is at the bottom. Drain the oil into a suitable container for storage or disposal.
  4. Release the hydraulic system pressure.
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