



Service Repair Manual

Models

375 and 375 L Excavator

Product: EXCAVATOR

Model: 375-A EXCAVATOR 8XG

Configuration: 375, 375L TRACK-TYPE EXCAVATORS 8XG00313-UP (MACHINE) POWERED BY 3406 ENGINE

Disassembly and Assembly 375 EXCAVATOR MACHINE SYSTEMS

Media Number -SEN6027-02

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SEN60270029

Final Drives

SMCS - 4050-010; 4050-017

Remove & Install Final Drives

Tools Needed	A
6V-2156 Link Bracket	2

Start By:

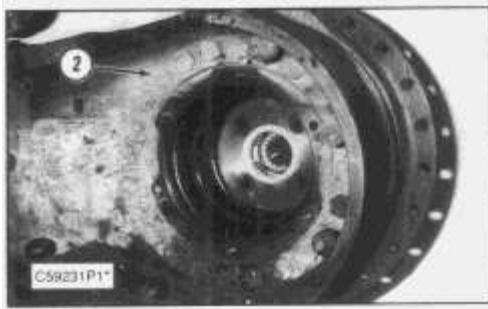
- a. separate track assemblies
- b. remove travel motors *
- c. remove final drive sprockets *

*The travel motor, and final drive sprocket do not have to be removed prior to removal or installation of the final drive from the track roller frame. However, these components have to be removed to disassemble the final drive.



1. Install Tool (A) to the final drive as shown.

2. Fasten lifting straps and a hoist to Tool (A) and final drive (1) as shown.



NOTE: It may be necessary to adjust the lifting straps for correct balance of the final drive.

3. Remove 24 bolts (2) that hold the final drive to the track roller frame. Remove the final drive from the track roller frame. The weight of the final drive is **953 kg (2100 lb)**.

NOTE: The following steps are for the installation of the final drive.

4. Make sure the mating surfaces of the final drive and track roller frame are clean and free of dirt and debris.

5. Fasten lifting straps and a hoist to Tool (A) and the final drive as shown. Make sure the final drive is level.

6. Put final drive (1) in position in the track roller frame.

7. Put **9S-3263 Thread Lock** on the threads of 24 bolts (2) that hold the final drive to the track roller frame. Install the 24 bolts, and tighten them evenly.

End By:

a. install final drive sprockets

b. install travel motors

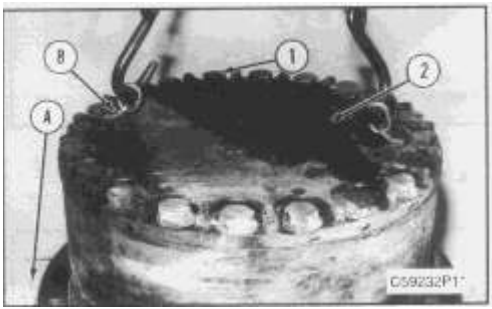
c. connect track assemblies

Disassemble & Assemble Final Drives

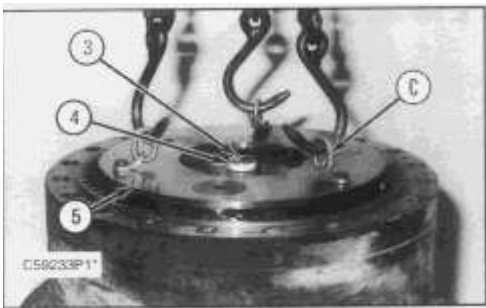
Tools Needed		A	B	C	D	E
1P-2420	Transmission Repair Stand	1				
6V-2156	Link Bracket		2	3		
6V-2157	Link Bracket				3	
9U-5691	Seal Installer					1

Start By:

a. remove final drives



1. Fasten the final drive to Tool (A). The weight of the final drive is **953 kg (2100 lb)**.
2. Fasten Tool (B) and a hoist to cover (2) as shown.
3. Remove 20 bolts (1) and the washers that hold cover (2) in position. Remove the cover. The weight of the cover is **64 kg (140 lb)**.



NOTE: Shims (3) and spacer (4) may stay with cover (2) during its removal.

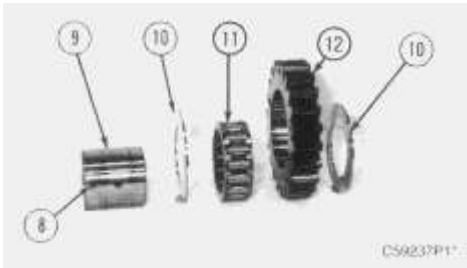
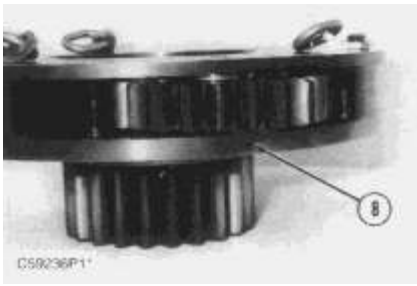
4. Remove shims (3) and spacer (4).
5. Fasten Tool (C) and a hoist to carrier assembly (5) as shown. Remove the carrier assembly. The weight of carrier assembly (5) is **159 kg (350 lb)**.
6. Disassemble carrier assembly (5) as follows:



- a. Remove sun gear (6).



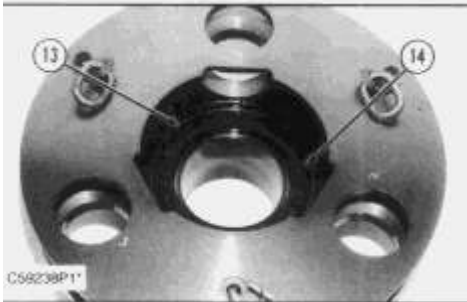
b. Remove spacer (7).



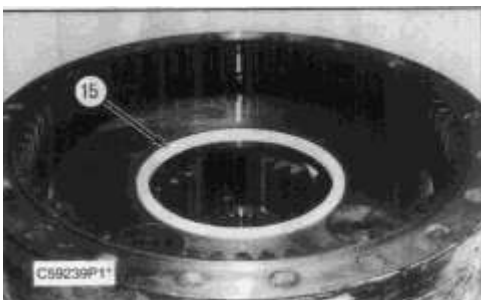
c. Drive spring pin (8) into planetary shaft (9) with a hammer and punch.

d. Remove planetary shaft (9), two thrust washers (10) and planetary gear (12) from the carrier. Remove bearing (11) from planetary gear (12). Drive spring pin (8) out of planetary shaft (9) with a hammer and punch.

e. Remove the other two planetary gears from the carrier as in Steps 6c and 6d.



f. Remove retaining ring (13) and sun gear (14) from the carrier.



7. Remove spacer (15) from the carrier assembly.

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