



Service Repair Manual

Models

315C EXCAVATOR

Product: EXCAVATOR
Model: 315C EXCAVATOR CFL
Configuration: ISJ HEX COMMONALITY CHART CFL00001-UP (MACHINE)

Disassembly and Assembly 315C Excavator Machine Systems

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i01960779

Final Drive - Disassemble

SMCS - 4050-015

Disassembly Procedure

Table 1

Required Tools			
Tool	Part Number	Part Description	Qty
A	1P-2420	Repair Stand	1
B	1U-7600	Slide Hammer	1
C	138-7575	Link Brackets	3
D	154-6181	Forcing Screw	2

Start By:

- Remove the final drive. Refer to Disassembly and Assembly, "Final Drive- Remove".

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, "Caterpillar Tools and Shop Products Guide" for tools and supplies suitable to collect and contain fluids on Caterpillar products.

Dispose of all fluids according to local regulations and mandates.

NOTICE

Failure to properly assemble parts or failure to follow established procedures can lead to damage of the parts and assembly.

To avoid damage to parts, always identify and mark the parts so that they can be installed in the same location. Ensure that gear surfaces align. Never force parts during assembly.



Illustration 1

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1. Install the final drive assembly on Tooling (A) .

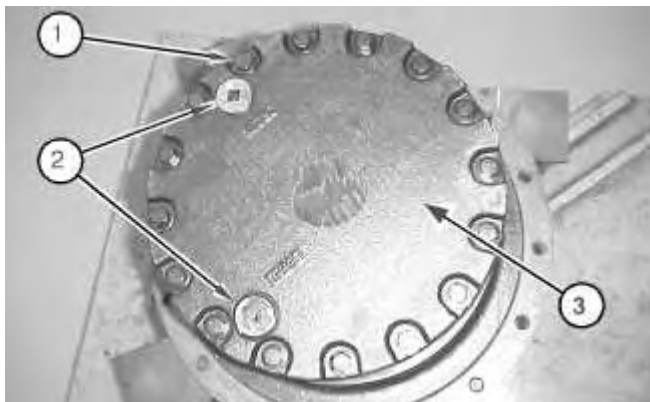


Illustration 2

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2. Remove bolts (1). Remove plugs (2) and the O-ring seals from cover (3). Remove cover (3) .

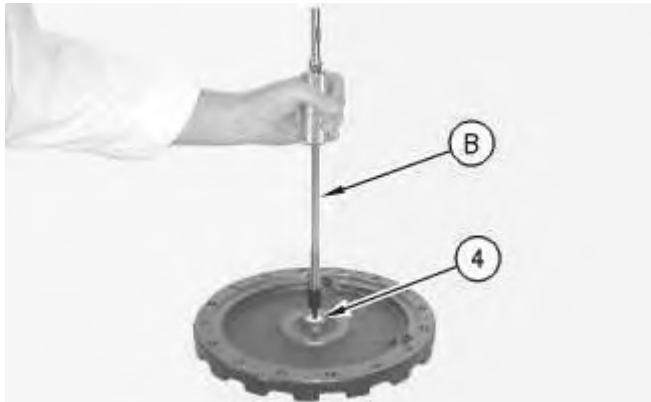


Illustration 3

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3. Use Tooling (B) in order to remove plate (4) .



Illustration 4

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4. Remove carrier assembly (5) from the main housing. The weight of the carrier assembly is approximately 16 kg (35 lb).
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Illustration 5

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5. Remove spacer (6) .



Illustration 6

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6. Use a suitable punch and a hammer to install spring pin (7) into planetary shaft (8) .

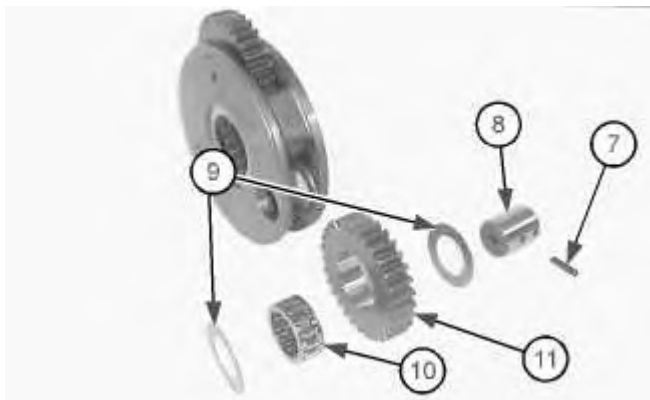


Illustration 7

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