



Service Repair Manual

Models

345C and 345C L Excavator

Product: EXCAVATOR

Model: 345C EXCAVATOR ELS

Configuration: 345C & 345C L Hydraulic Excavator ELS00001-UP (MACHINE) POWERED BY C13 Engine

Disassembly and Assembly 345C Excavator and 345C MHPU Mobile Hydraulic Power Unit Machine Systems

Media Number -REN8612-06

Publication Date -01/02/2013

Date Updated -21/02/2013

i05331566

Final Drive - Disassemble

SMCS - 4050-015

Disassembly Procedure

Table 1

Required Tools			
Tool	Part Number	Part Description	Qty
A	1P-2420	Transmission Stand Group	1
B	138-7573	Link Bracket	2
C	1P-1860	Retaining Ring Pliers	1
D	4C-8359	Eyebolt	3
E	4C-8359	Eyebolt	2
F	138-7574	Link Bracket	2

Start By:

- A. Remove the final drive. Refer to Disassembly and Assembly, "Final Drive and Travel Motor - Remove" in this manual.
 1. Thoroughly clean the outside of the final drive and travel motor prior to disassembly.
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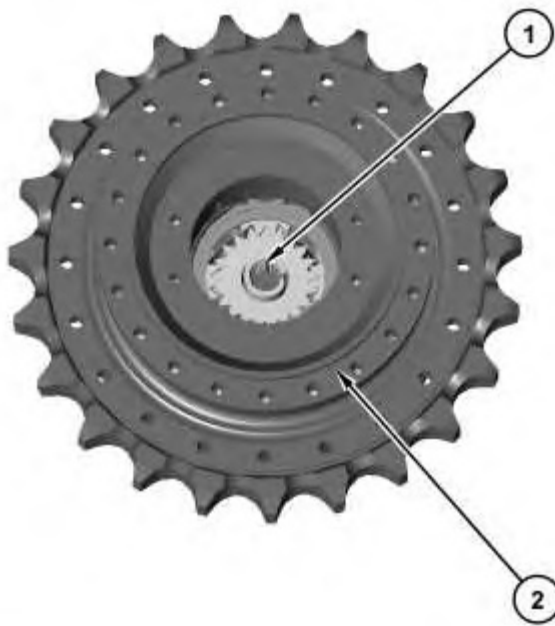


Illustration 1

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2. Remove coupling (1) from final drive (2) .
3. Attach a suitable lifting device to the final drive, and turn final drive (2) over 180 degrees. The weight of final drive (2) is approximately 590 kg (1300 lb).

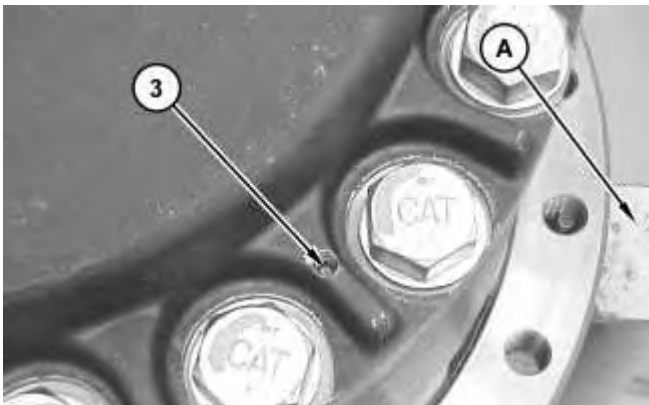


Illustration 2

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4. Attach the final drive to Tooling (A) . Put an alignment mark across the sections of the final drive for assembly purposes. All parts must be reinstalled in the original locations.
5. Remove socket head screws (3) from the final drive cover.



Illustration 3

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6. Attach Tooling (B) and a suitable lifting device to cover (5) , as shown. The weight of cover (5) is approximately 52 kg (115 lb).
7. Remove bolts (4) and the washers that hold the cover in place.
8. Use a soft faced hammer in order to break the seal between cover (5) and the ring gear. Remove cover (5) . The weight of cover (5) is 52 kg (115 lb).

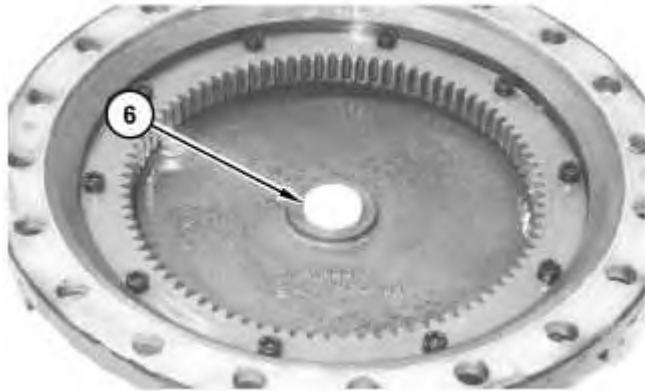


Illustration 4

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9. Remove spacer (6) from the cover.
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Illustration 5

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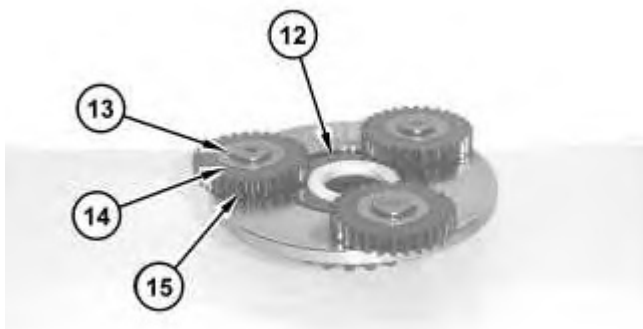
10. Remove shims (7) from the cover.
11. Remove socket head bolts (8) and ring gear (9) from the cover.



Illustration 6

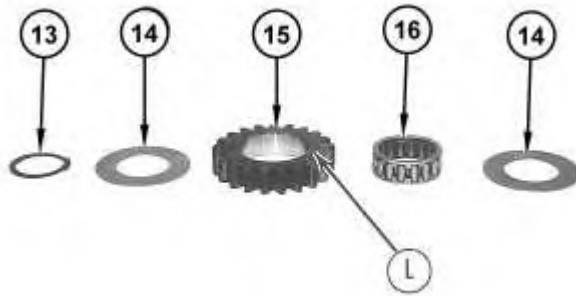
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12. Remove sun gear (10) from carrier assembly (11) . Remove carrier assembly (11) by lifting the carrier assembly straight up.
13. Disassemble carrier assembly (11) , as follows:



- a. Remove spacers (12) . A spacer is located on each side of the sun gear in carrier assembly (11) .

Note: Planetary gears (15) might be stamped with identification marks "L". Note the position of the identification marks in relation to the carrier for assembly purposes.



- b. Remove retaining ring (13) with Tooling (C) .
- c. Remove thrust washers (14) and planetary gear (15) from the carrier.
- d. Remove bearing (16) from the planetary gear.
- e. Repeat Steps 13.b through 13.d for the other two planetary gears.



- f. Use a screwdriver in order to remove retaining ring (17) from the carrier. Remove sun gear (18) from the carrier.



Illustration 10

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14. Attach Tooling (D) and a suitable lifting device to carrier assembly (19) , as shown. Remove carrier assembly (19) by pulling the carrier assembly straight up. The weight of carrier assembly (19) is approximately 45 kg (100 lb).
15. Disassemble carrier assembly (19) , as follows:

Note: Spacer (20) may remain with carrier assembly (19) , or the spacer may remain with carrier assembly (28) . Refer to Step 17.



Illustration 11

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- a. Remove spacer (20) from carrier assembly (19) .
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