



Service Repair Manual

Models

345D Excavator

Product: EXCAVATOR

Model: 345D EXCAVATOR NEG

Configuration: 345D Excavator NEG00001-UP (MACHINE) POWERED BY C13 Engine

Disassembly and Assembly

345D, 349D and 349D2 Excavators and 345D MHPU and 349D MHPU Mobile Hydraulic Power Units Machine Systems

Media Number -REN9574-10

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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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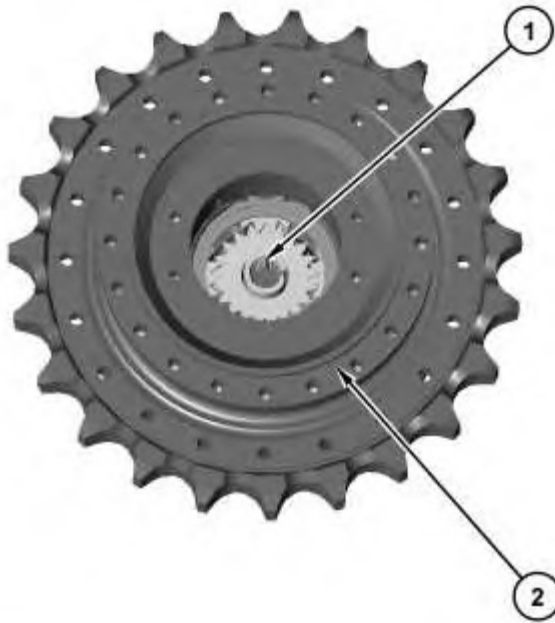


Illustration 1

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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).

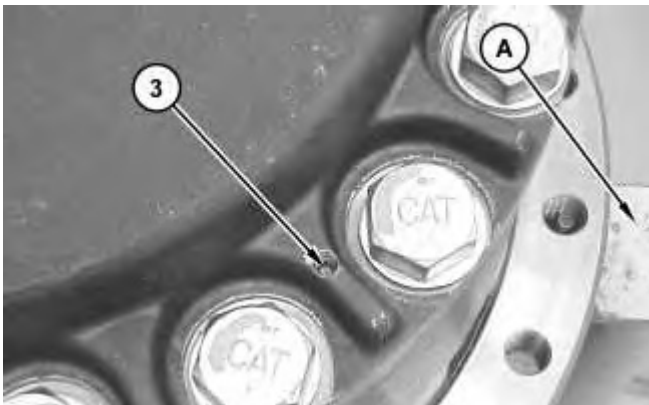


Illustration 2

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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).

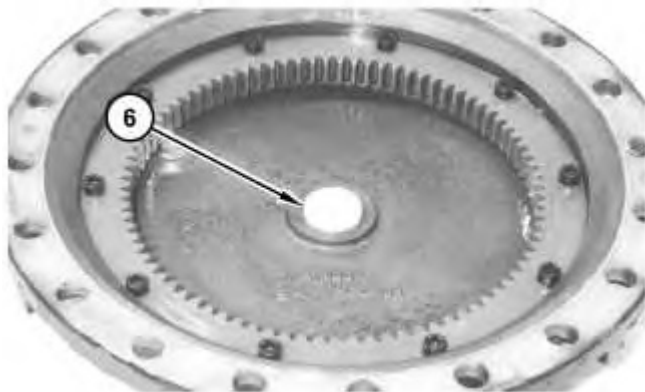


Illustration 4

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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.

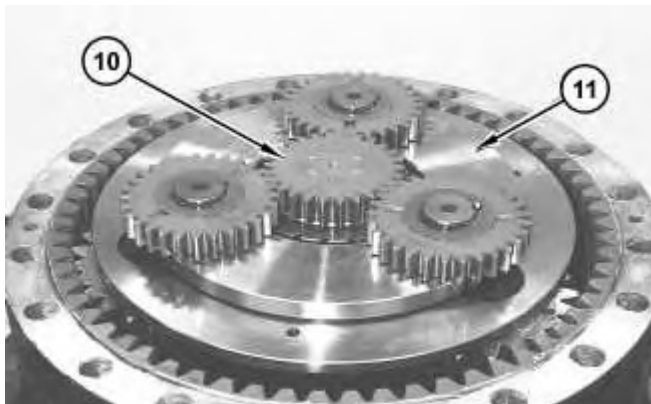
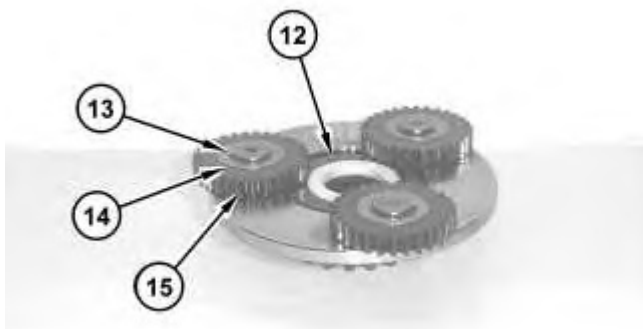


Illustration 6

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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:



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