



Service Repair Manual

Models

385B and 385B L Excavator

Product: EXCAVATOR

Model: 385B EXCAVATOR FDL

Configuration: 385B & 385B L Excavators FDL00001-UP (MACHINE) POWERED BY 3456 Engine

Disassembly and Assembly 385B and 5090B Excavators Excavator Systems

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i01674800

Final Drive - Disassemble

SMCS - 4050-015

Disassembly Procedure

Table 1

Required Tools			
Tool	Part Number	Part Description	Qty
A	1P-2420	Transmission Repair Stand	1
B	138-7575	Link Bracket	3
C	138-7576	Link Bracket	2
D	132-8119	Hydraulic Wrench	1
	132-8223	Hydraulic Pump and Motor Gp	1
	9U-7418	Hex Bit Socket	1
E	176-6536	Forcing Bolt	2

Start By:

- a. Remove the final drive. Refer to Disassembly and Assembly, "Final Drive - Remove".
 1. Thoroughly clean the outside of the final drive prior to disassembly.
-



Illustration 1

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2. Fasten 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. The weight of the final drive is approximately 1020 kg (2250 lb).

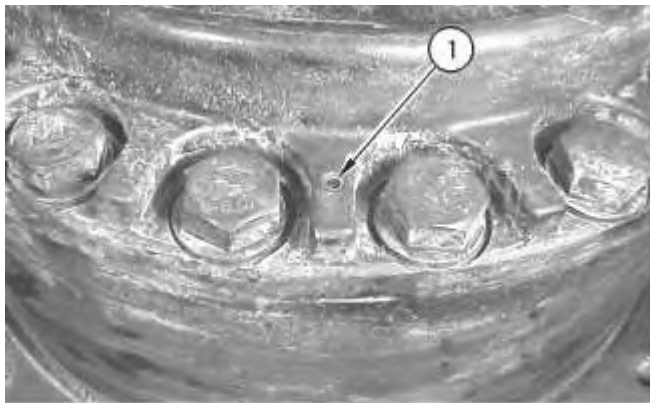


Illustration 2

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3. Remove socket head bolts (1) from the final drive cover.



Illustration 3

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4. Fasten Tooling (B) and a suitable lifting device to cover (2).

- Remove bolts (3). Use a soft faced hammer to break the seal between the cover and the ring gear. Remove cover (2). The weight of the cover is approximately 95 kg (210 lb).

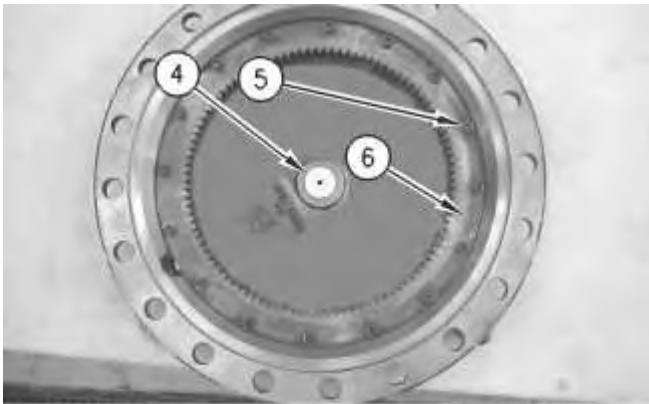


Illustration 4

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- Remove spacer (4) and the shims from the cover.
- Remove socket head bolts (5) and ring gear (6) from the cover.

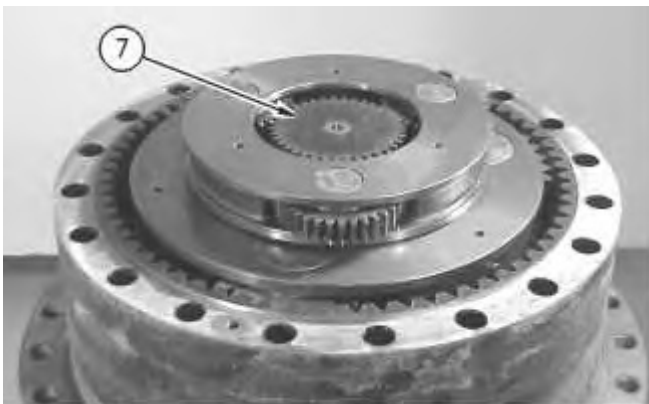


Illustration 5

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- Remove sun gear (7).



Illustration 6

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9. Use a hoist and Tooling (B) to remove carrier assembly (8). The weight of the carrier assembly is approximately 43 kg (95 lb).



Illustration 7

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10. Remove retaining ring (9), spacer (10), and sun gear (11).

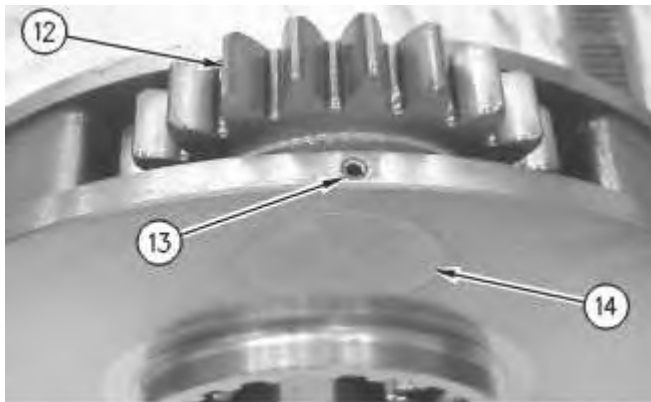


Illustration 8

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11. Drive spring pin (13) into shaft (14). Remove shaft (14) and gear assembly (12).

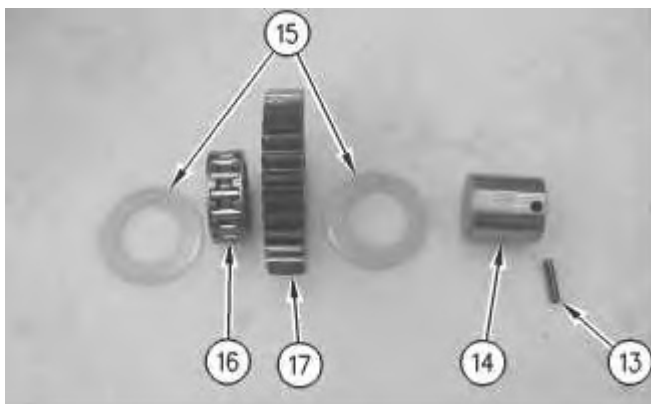


Illustration 9

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