

Product: EXCAVATOR

Model: 390D EXCAVATOR KCZ

Configuration: 390D Excavator KCZ00001-UP (MACHINE) POWERED BY C18 Engine

Disassembly and Assembly 390D Excavator Machine Systems

Media Number -KENR6408-01

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i02565371

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".

Note: Cleanliness is an important factor. Before you begin the disassembly procedure, the exterior of the components should be thoroughly cleaned. This will help to prevent dirt from entering the internal mechanism. Precision components can be damaged by contaminants or by dirt. Perform disassembly procedures on a clean work surface. Keep components covered and protected at all times.

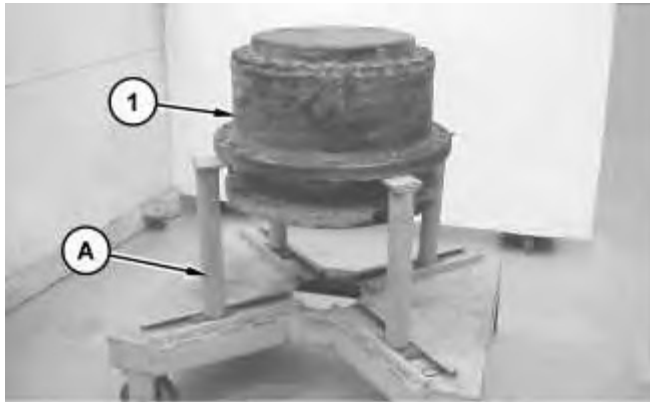


Illustration 1

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1. Fasten final drive (1) to Tooling (A). Put an alignment mark across the sections of final drive (1) for assembly purposes. All parts must be reinstalled in the original locations. The weight of final drive (1) is approximately 1020 kg (2250 lb).

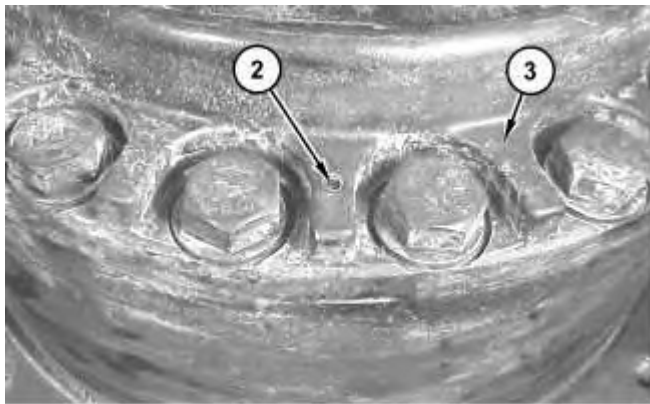


Illustration 2

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2. Remove socket setscrews (2) from housing cover (3) .



Illustration 3

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3. Fasten Tooling (B) and a suitable lifting device to housing cover (3) .
4. Remove bolts (4) and the washers. Use a soft faced hammer in order to break the seal between housing cover (3) and the ring gear. Remove housing cover (3). The weight of housing cover (3) is approximately 95 kg (210 lb).

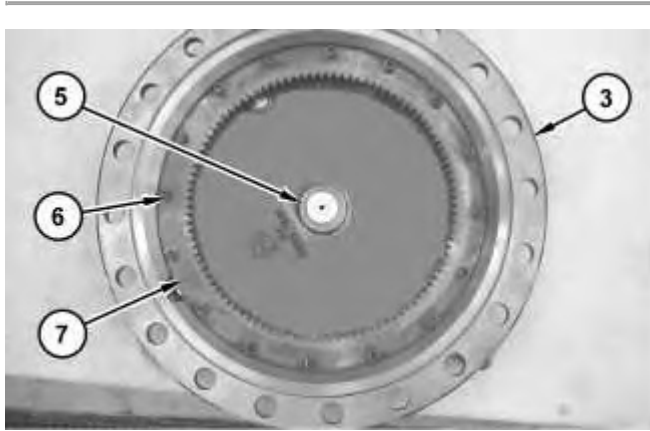


Illustration 4

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5. Remove spacer (5) and the shims from housing cover (3) .
6. Remove socket head bolts (6) and ring gear (7) from housing cover (3) .

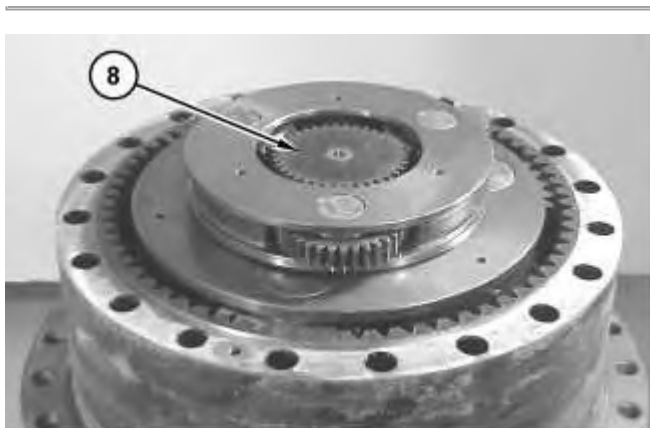


Illustration 5

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7. Remove sun gear (8) .
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Illustration 6

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8. Use Tooling (B) and a suitable lifting device in order to remove carrier assembly (9). The weight of carrier assembly (9) is approximately 43 kg (95 lb).



Illustration 7

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9. Remove retaining ring (10), spacer (11), and sun gear (12) .

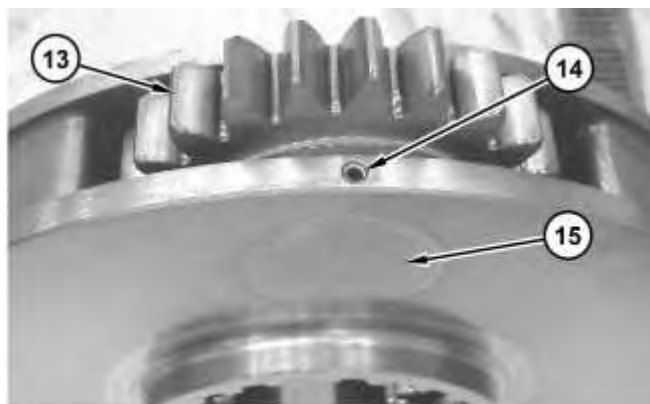


Illustration 8

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