



Service Repair Manual

Models

330D FM EXCAVATOR

Product: EXCAVATOR

Model: 330D FM EXCAVATOR E4K

Configuration: 330D Forest Swing Machine E4K00001-UP (MACHINE) POWERED BY C9 Engine

Disassembly and Assembly 330D Forest Machine Machine Systems

Media Number -KENR5988-00

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i02785246

Final Drive - Disassemble

SMCS - 4050-015

Disassembly Procedure

Table 1

Required Tools			
Tool	Part Number	Part Description	Qty
A	138-7576	Link Bracket	2
B	1P-1855	Retaining Ring Pliers	1
C	1P-1862	Retaining Ring Pliers	1
D	5P-5197	Retaining Ring Pliers	1
E	1P-2321	Puller Assembly ⁽¹⁾	1
F	1P-0520	Drive Group	1
G	2P-8312	Retaining Ring Pliers	1
H	138-7574	Link Bracket	3
	1P-5546	Crossbar	1
	5F-7366	Screw	1
	1P-0523	Drive Plate	1
	9S-8546	Seal Installer	1
J	6V-3532	Bolt	2
	8T-3282	Washer	2
K	1U-8758	Retaining Ring Pliers	1

	1P-0074	Slide Hammer Puller Gp	1
L	1P-0069	Head	1
	2P-2312	Puller leg	3
M	1P-7407	Eyebolt	2
N	199-6557	Spanner socket	1
P	4C-8359	Eyebolt	2
Q	127-8458	Final Drive Bench Ar	1
QQ	127-8467	Reaction Plate ⁽²⁾	
R	127-8468	Reaction Bar As	1
S	3S-6224	Electric Hydraulic Pump	1
	8T-0820	Pressure Gauge	1
	3B-7722	Bushing	2
	1P-2376	Coupler Assembly	2
	1P-2377	Plug	2
	8F-0024	Hose Assembly	2
T	154-6182	Forcing Bolt	2

⁽¹⁾ Use **6C-7887** Leg on the two gears that are removed in Step 22.

⁽²⁾ Part of Tooling (Q)

Start By:

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

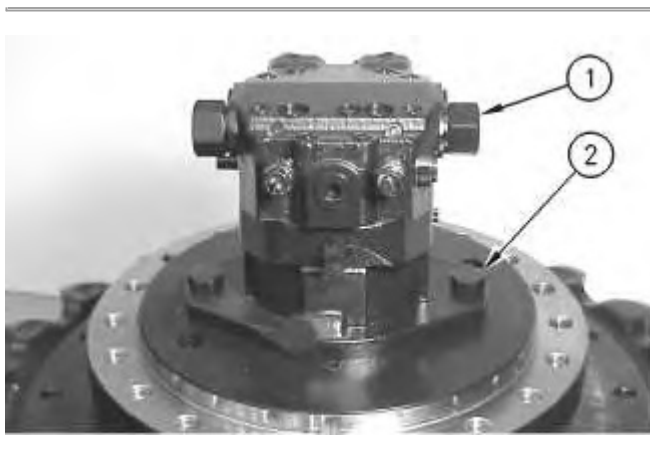


Illustration 1

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2. Remove bolts (2) that hold travel motor (1) to the final drive.



Illustration 2

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3. Fasten two suitable lifting straps and a suitable lifting device to travel motor (1). The weight of travel motor (1) is approximately 54 kg (120 lb). Carefully remove travel motor (1) from the final drive.



Illustration 3

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4. Remove O-ring seal (3) from the travel motor.



Illustration 4

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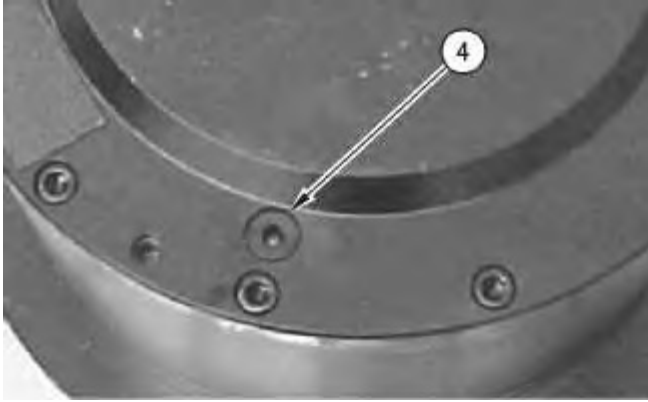


Illustration 5

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5. Fasten Tooling (A) and a suitable lifting device to the final drive, and turn the final drive on the side. The weight of the final drive is 500 kg (1100 lb).
6. Remove plug (4).

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, "Dealer Service Tool Catalog" for tools and supplies suitable to collect and contain fluids on Cat products.

Dispose of all fluids according to local regulations and mandates.

7. Drain the oil from the final drive into a suitable container for storage or disposal. Refer to Operation and Maintenance Manual, "Capacities (Refill)" for the capacity. Refer to Operation and Maintenance Manual, "Final Drive Oil - Change" for the proper procedure.
 8. Reinstall plug (4).
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