

Product: EXCAVATOR

Model: 330D L EXCAVATOR RAS

Configuration: 330D L & 330D N Hydraulic Excavator RAS00001-UP (MACHINE) POWERED BY C-9 Engine

Disassembly and Assembly

330D, 336D, 336D2, 340D and 340D2 Excavators and 336D MHPU Mobile Hydraulic Power Unit Machine Systems

Media Number -REN8648-30

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i07188136

Final Drive and Travel Motor - Install

SMCS - 4050-012; 4351-012

Installation Procedure

Table 1

Required Tools			
Tool	Part Number	Part Description	Qty
A	5P-0306	Vacuum Transducer	1
	FT-1115	Vacuum Cap	1
	6V-4142	Fitting	1
	5K-5068	Fitting	1
B	1U-9200	Lever Puller Hoist	1
C	439-3938	Link Bracket	1
D	-	Loctite C5A Copper Anti-Seize	-

Note: Check the O-ring seals for wear or for damage. Replace the O-ring seals, if necessary.

NOTICE

Keep all parts clean from contaminants.

Contaminants may cause rapid wear and shortened component life.

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.

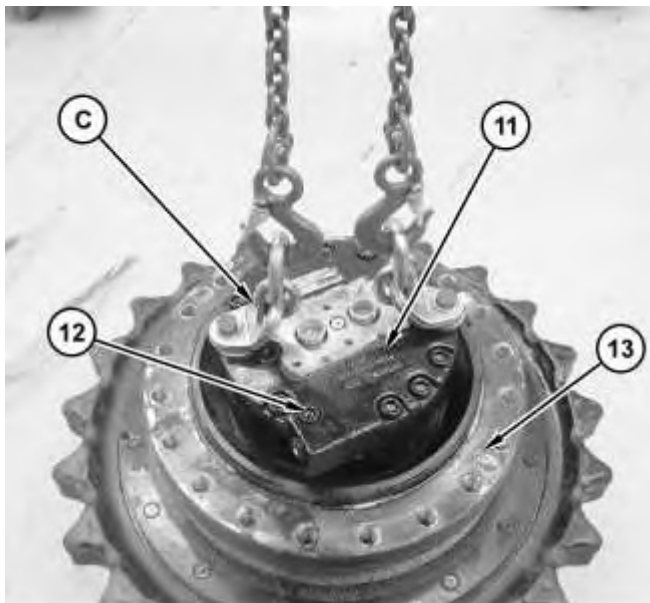


Illustration 1

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1. Attach Tooling (C) and a suitable lifting device to travel motor (11). The weight of travel motor (11) is approximately 73 kg (160 lb).
 2. Position travel motor (11). Install bolts (12) that mount travel motor (11) to final drive (13).
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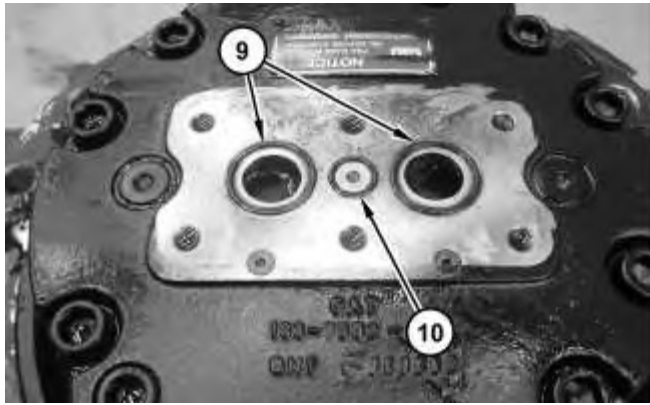


Illustration 2

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3. Install O-ring seals (10) and (9).

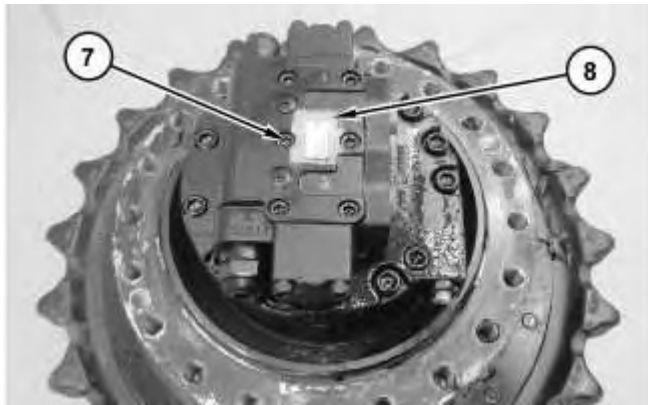


Illustration 3

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4. Install counterbalance valve (8) and bolts (7).

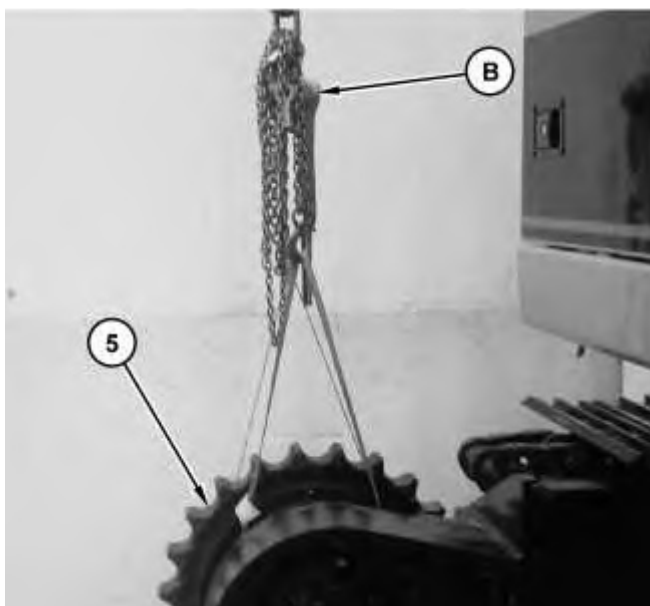


Illustration 4

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Illustration 5

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5. Attach Tooling (B) and a suitable lifting device to final drive and travel motor (5). The weight of final drive and travel motor (5) is approximately 860 kg (1896 lb).
6. Carefully position final drive and travel motor (5). Apply Tooling (D) to the threads of bolts (6).
7. Tighten bolts (6) in an alternating sequence to a torque of 250 ± 25 N·m (184 ± 18 lb ft). Turn an additional angle of 45 ± 5 degrees. Refer to Service Magazine , M0083843 , "An Improved Bolt Tightening Procedure for the Critical Joints Is Now Used on all Excavators" for more detailed information.

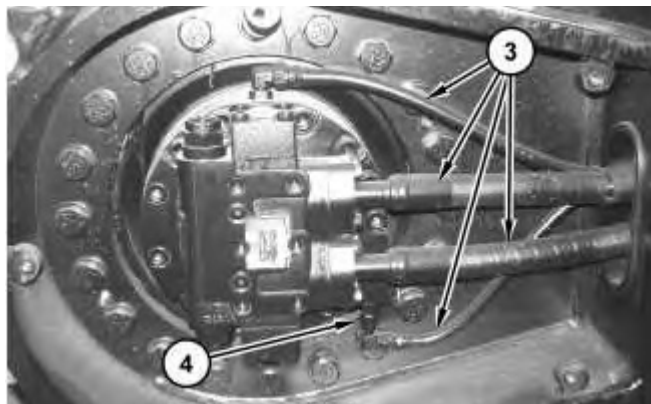


Illustration 6

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8. Install fitting (4). Connect hose assemblies (3).
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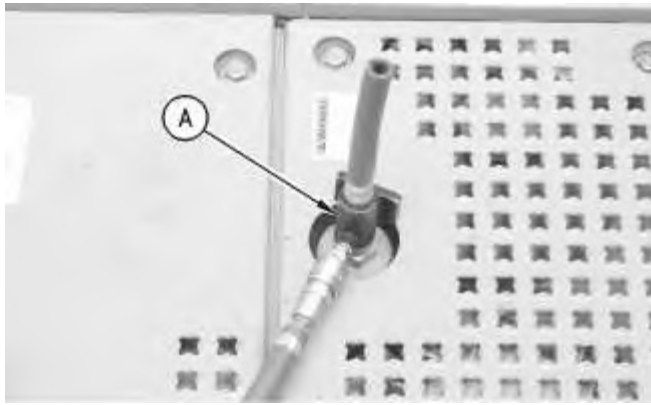


Illustration 7

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9. Remove Tooling (A). Install the cap onto the hydraulic tank.
10. Fill the hydraulic system. Refer to Operation and Maintenance Manual, "Hydraulic System Oil Level - Check". Refer to Operation and Maintenance Manual, "Lubricant Viscosities and Refill Capacities".



Illustration 8

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11. Install cover (2) and bolts (1). Tighten bolts (1) to a torque of 130 ± 10 N·m (96 ± 7 lb ft).



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