



# Service Repair Manual

## **Models**

330D L and 330D N  
Hydraulic Excavator

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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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i02451126

## Final Drive and Travel Motor - Remove

SMCS - 4050-011; 4351-011

### Removal 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	138-7573	Link Bracket	1

**Note:** Put identification marks on all hose assemblies, fittings and ports so that all the components can be reassembled in the original configuration. Plug all of the hose assemblies and cap all of the fittings. This helps to prevent fluid loss and this helps to keep contaminants from entering the system.

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### 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.**

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## **NOTICE**

**Keep all parts clean from contaminants.**

**Contaminants may cause rapid wear and shortened component life.**

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## **! WARNING**

**Personal injury can result from hydraulic oil pressure and hot oil.**

**Hydraulic oil pressure can remain in the hydraulic system after the engine has been stopped. Serious injury can be caused if this pressure is not released before any service is done on the hydraulic system.**

**Make sure all of the work tools have been lowered to the ground, and the oil is cool before removing any components or lines. Remove the oil filler cap only when the engine is stopped, and the filler cap is cool enough to touch with your bare hand.**

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Illustration 1

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1. Remove bolts (1) and cover (2).
2. Separate the track. Refer to Disassembly and Assembly, "Track - Separate".

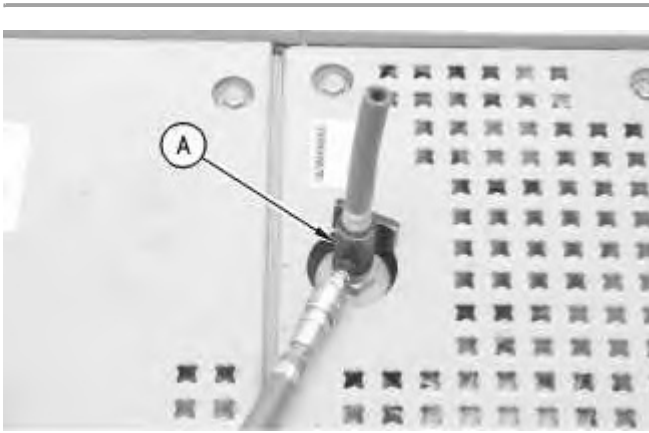


Illustration 2

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3. Remove the cap from the hydraulic tank. Install Tooling (A) onto the hydraulic tank. Attach an air supply hose to Tooling (A). Apply 276 to 414 kPa (40 to 60 psi) of air. This procedure will pull vacuum on the hydraulic system.

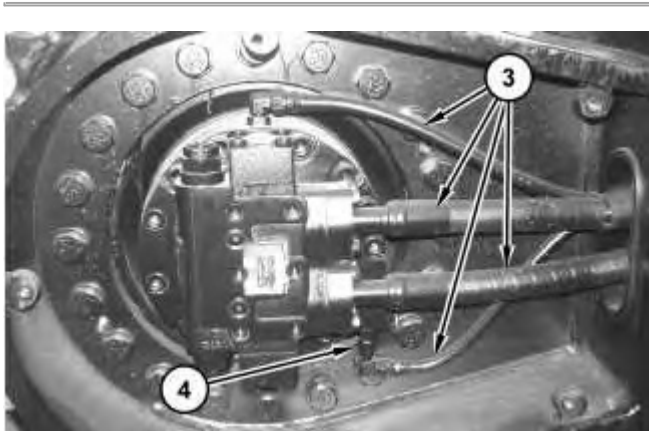


Illustration 3

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4. Disconnect hose assemblies (3) and remove fitting (4).
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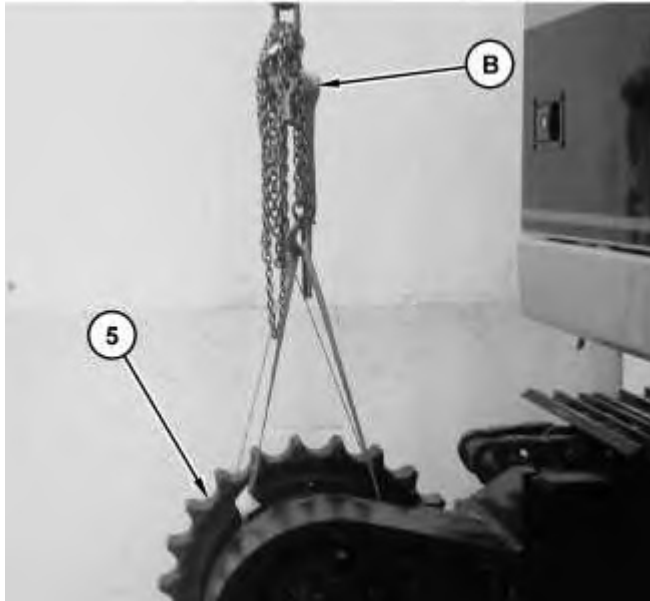


Illustration 4

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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). Put a slight lifting tension on the final drive and travel motor (5).



Illustration 5

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6. Remove bolts (6).

**Note:** Mark the orientation of the final drive and travel motor assembly for installation purposes.

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