



# Service Repair Manual

## **Models**

**336D2 and 336D2 L Excavator**

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Product: EXCAVATOR

Model: 336D2 L EXCAVATOR FAR

Configuration: 336D2 & 336D2 L Excavators FAR00001-UP (MACHINE) POWERED BY C9 Engine

## Disassembly and Assembly

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

Media Number -REN8648-30

Publication Date -01/03/2015

Date Updated -15/08/2018

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## 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.

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### NOTICE

**Keep all parts clean from contaminants.**

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

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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<sup>®</sup> products.

Dispose of all fluids according to local regulations and mandates.

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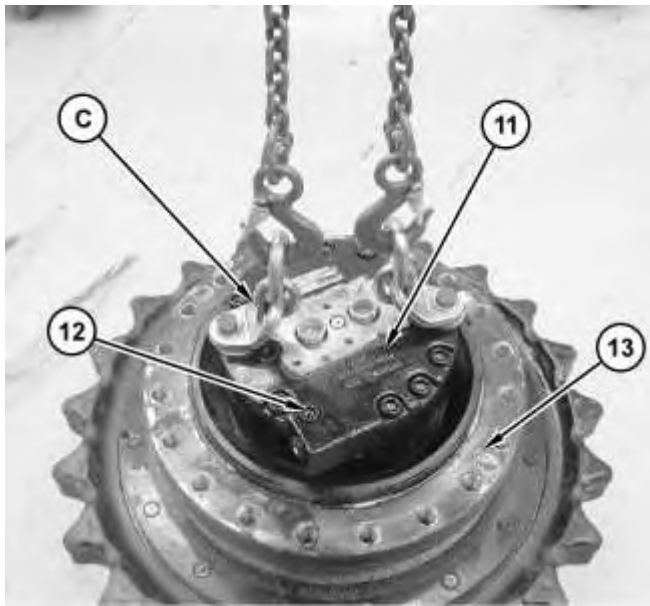


Illustration 1

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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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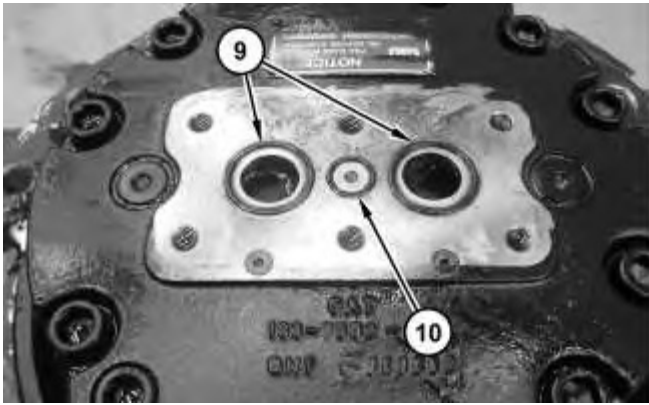


Illustration 2

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

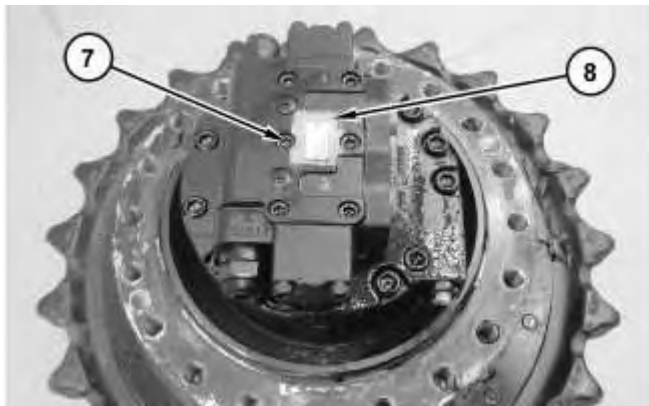


Illustration 3

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

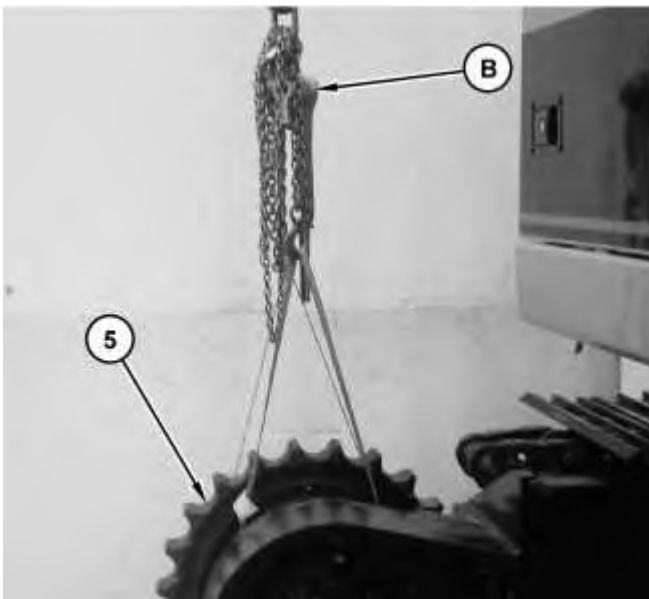


Illustration 4

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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  $250 \pm 25 \text{ N}\cdot\text{m}$  ( $184 \pm 18 \text{ lb ft}$ ). Turn an additional angle of  $45 \pm 5$  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.

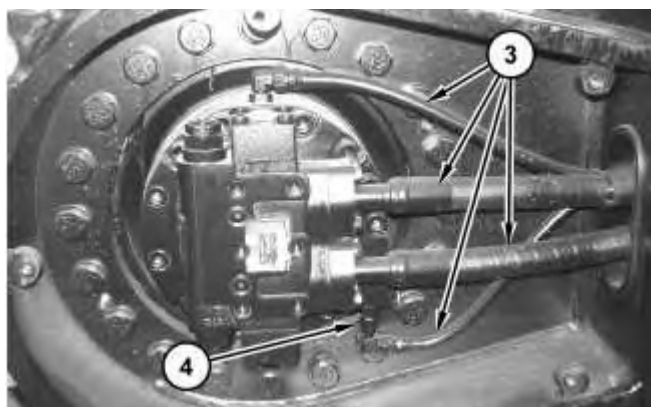


Illustration 6

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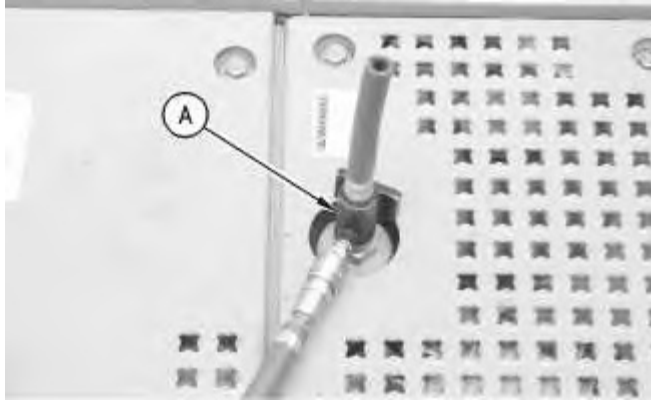


Illustration 7

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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  $130 \pm 10$  N·m ( $96 \pm 7$  lb ft).

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## Disassembly and Assembly

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Media Number -REN8648-30

Publication Date -01/03/2015

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## Swivel - Remove

SMCS - 5060-011

## Removal Procedure

Table 1

| Required Tools |             |                  |     |
|----------------|-------------|------------------|-----|
| Tool           | Part Number | Part Description | Qty |
| A              | FT-2674     | Vacuum Cap       | 1   |
| B              | 138-7573    | Link Bracket     | 2   |

### Start By:

- Release the hydraulic system pressure. Refer to Disassembly and Assembly, "Hydraulic System Pressure - Release".

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