



Service Repair Manual

Models

320C, 320C L, 320C LN
Excavator

Product: EXCAVATOR

Model: 320C EXCAVATOR JTG

Configuration: 320C, 320C L, 320C LN Excavators JTG00001-UP (MACHINE) POWERED BY 3066 Engine

Disassembly and Assembly 320C Excavator Machine Systems

Media Number -REN3826-16

Publication Date -01/11/2014

Date Updated -30/03/2016

i02334471

Counterbalance Valve (Travel) - Install

SMCS - 5111; 5811-012-KV

Installation Procedure

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.

NOTICE

Keep all parts clean from contaminants.

Contamination of the hydraulic system with foreign material will reduce the service life of the hydraulic system components.

To prevent contaminants from entering the hydraulic system, always plug or cap the lines, fittings, or hoses as they are disconnected. Cover any disassembled components and clean them properly before assembly.

Clean the hydraulic system properly after any major component exchange or especially after a component failure, to remove any contamination.

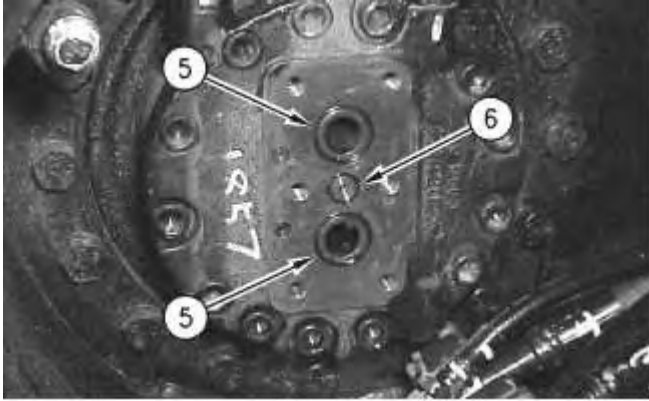


Illustration 1

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1. Install new O-ring seals (5) and (6).

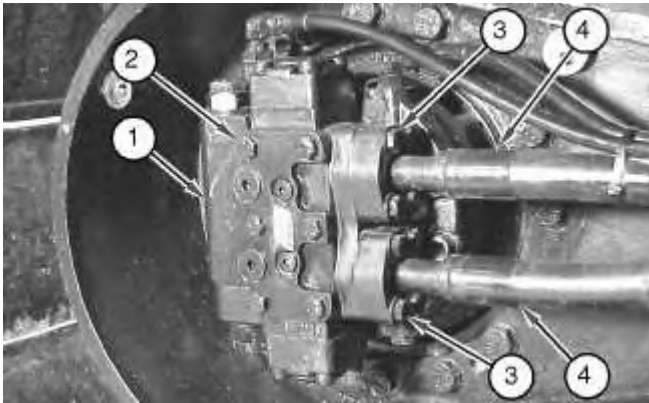


Illustration 2

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2. Position counterbalance valve (1) on the travel motor.
3. Install bolts (2). Tighten bolts (2) to a torque of $80 \pm 8 \text{ N}\cdot\text{m}$ ($59 \pm 6 \text{ lb ft}$).
Note: Replace the O-ring face seals in the hose assemblies.
4. Install the split flanges and bolts (3) in order to connect hose assemblies (4).
5. Install high efficiency filters in place of the pilot filter, the case drain filter, and the return filter.
Note: High efficiency filters should not be run for more than 250 hours before you change back to the standard filters.
6. Check the hydraulic oil level.

Reference: Refer to Operation and Maintenance Manual, "Hydraulic System Oil Level - Check" for the correct filling procedure.

End By:

- a. Install the travel motor guard. Refer to Disassembly and Assembly, "Travel Motor Guard - Remove and Install".

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Travel Motor - Remove

SMCS - 4351-011

Removal Procedure

Table 1

Required Tools			
Tool	Part Number	Part Description	Qty
A	9U-7692	Threaded RodM16x381 mm 15 inch	2

Start By:

- A. Remove the counterbalance valve. Refer to Disassembly and Assembly, "Counterbalance Valve (Travel) - Remove".

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Dispose of all fluids according to local regulations and mandates.

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