



# Service Repair Manual

## **Models**

320C U and 320C LU  
Excavator

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Product: EXCAVATOR

Model: 320C EXCAVATOR CLZ

Configuration: 320C U 320C LU Excavators CLZ00001-UP (MACHINE) POWERED BY 3066 Engine

## Disassembly and Assembly 320C Excavator Machine Systems

Media Number -REN3826-16

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i01862582

# Drift Reduction Valve (Stick) - Install

SMCS - 5143-012-JJ

## Installation Procedure

Table 1

Required Tools			
Tool	Part Number	Part Description	Qty
A	FT-2674	Vacuum Cap	1

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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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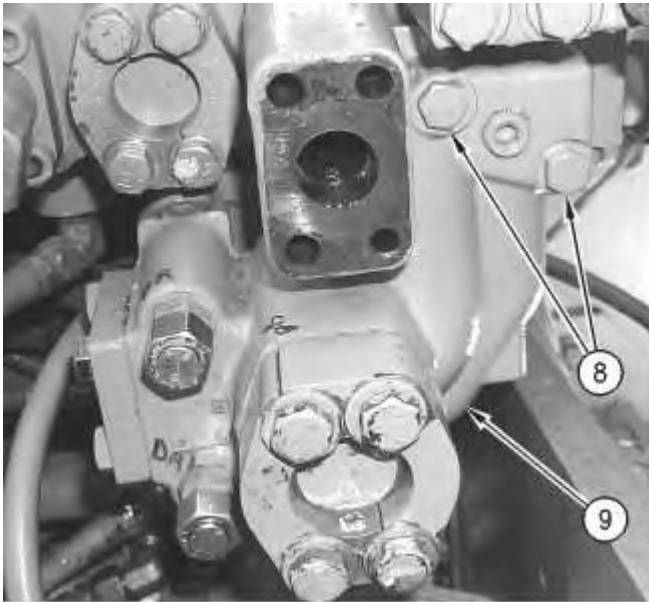


Illustration 1

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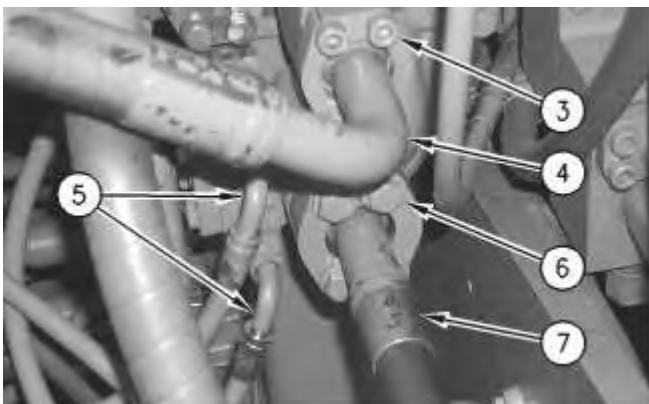
1. Install stick drift reduction valve (9).
2. Install bolts (8).



Illustration 2

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3. Remove the cap from the hydraulic tank. Attach Tooling (A) to the hydraulic tank.



4. Install the split flanges, the washers, and bolts (6) in order to connect hose assembly (7) to the stick drift reduction valve.
5. Connect hose assemblies (5).
6. Install the split flanges and four socket head bolts (3) in order to connect hose assembly (4) to the stick drift reduction valve.
7. Remove Tooling (A).
8. 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.

9. Fill the hydraulic oil tank with clean hydraulic oil to the correct level.

**Reference:** Refer to Operation and Maintenance Manual, "Lubricant Viscosities" for the proper oil viscosity.

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

10. Install the cap to the hydraulic tank.
11. Start the engine, and check the operation of the stick. Also, check the setting for the line relief valve.

**Reference:** Refer to Testing and Adjusting, "Relief Valve (Line) - Test and Adjust" in the service manual.

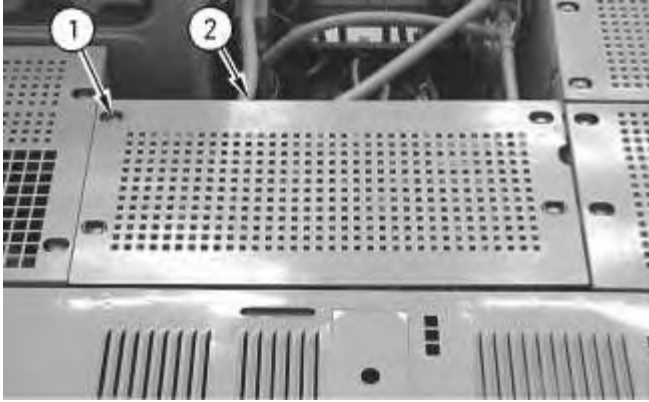
12. Check for leaks around the stick drift reduction valve. Stop the engine.
13. Obtain a hydraulic oil sample from the main S·O·S port.

**Reference:** Refer to Operation and Maintenance Manual, "Sampling Interval and Location of Sampling Valve" for the correct location.

14. If the S·O·S sample exceeds ISO 18/15, flush the hydraulic system.

**Reference:** Refer to Contamination Control Guidelines, SEBF8436, "Hydraulic System Flushing Procedure for 322C Hydraulic Excavators" for further information.

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Illustration 4

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15. Install cover (2) and install the washers and bolts (1).

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