



# Service Repair Manual

## **Models**

320D3 Excavator

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Product: EXCAVATOR

Model: 320D3 EXCAVATOR ESX

Configuration: 320D3 Excavator ESX00001-UP (MACHINE) POWERED BY ALUW06DTI Engine

## Disassembly and Assembly 320D3 Hydraulic Excavator Machine Systems

Media Number -M0092841-00

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i07398906

# Load Control Valve (Stick Cylinder) - Disassemble

SMCS - 5811-015-JJ

## Disassembly Procedure

Table 1

Required Tools			
Tool	Part Number	Part Description	Qty
A	6V-7981	Bolt (M10×1.5×70mm)	2

### Start By:

- a. Remove the load control valve (stick cylinder).

**Note:** Cleanliness is an important factor. Before the disassembly procedure, the exterior of the component should be thoroughly cleaned. This will prevent dirt from entering the internal mechanism.

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### NOTICE

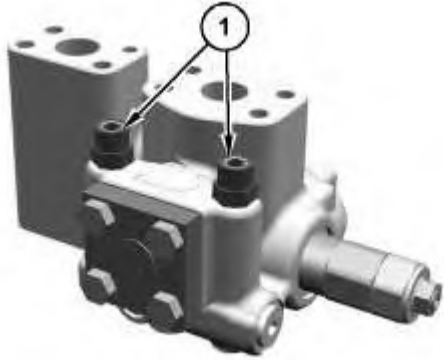
**Keep all parts clean from contaminants.**

**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.**

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Illustration 1

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1. Remove fittings (1).
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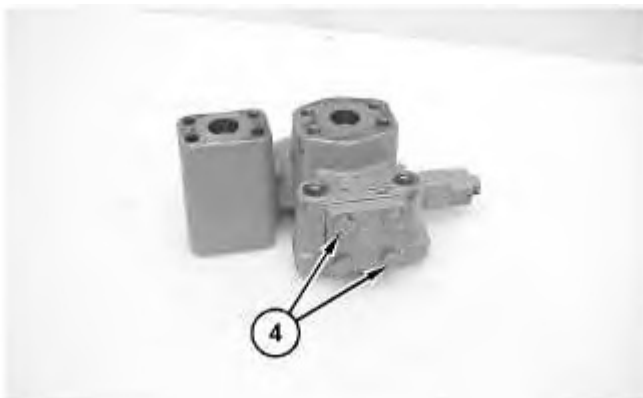


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Illustration 2

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2. Remove O-ring seals (2) and (3) from both the fittings.
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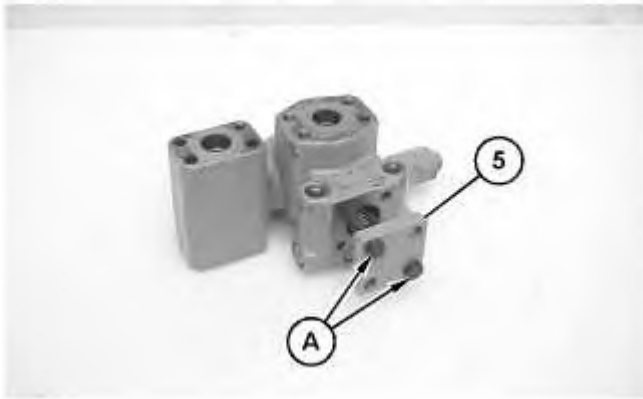


Illustration 4

 **WARNING**

**Personal injury can result from parts and/or covers under spring pressure.**

**Spring force will be released when covers are removed.**

**Be prepared to hold spring loaded covers as the bolts are loosened.**

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3. Remove two bolts (4), as shown in Illustration 3.
4. Install Tooling (A) and remove remaining two bolts (4).
5. Remove Tooling (A) and cover (5) from the valve body.

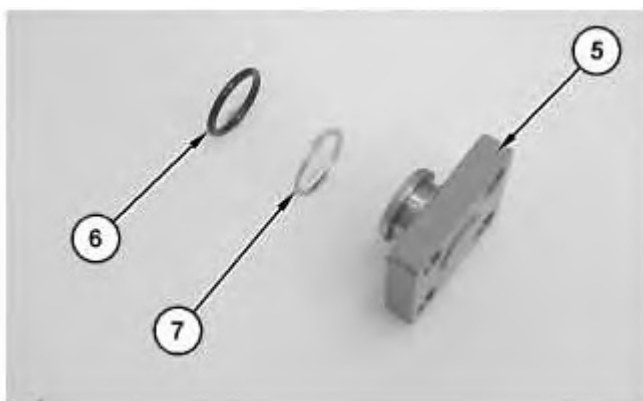


Illustration 5

6. Remove O-ring seal (6) and backup ring (7) from cover (5).
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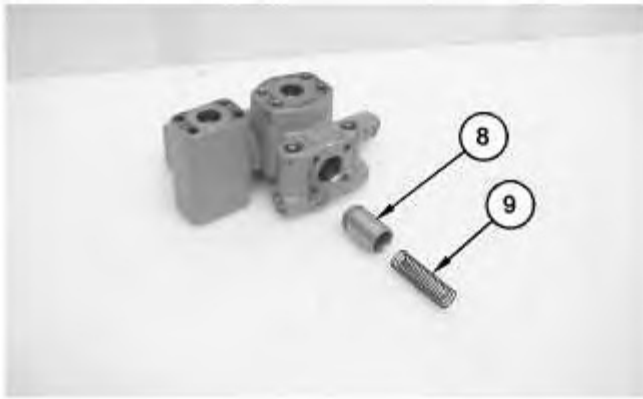


Illustration 6

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7. Remove spring (9) and spool valve (8) from the valve body.



Illustration 7

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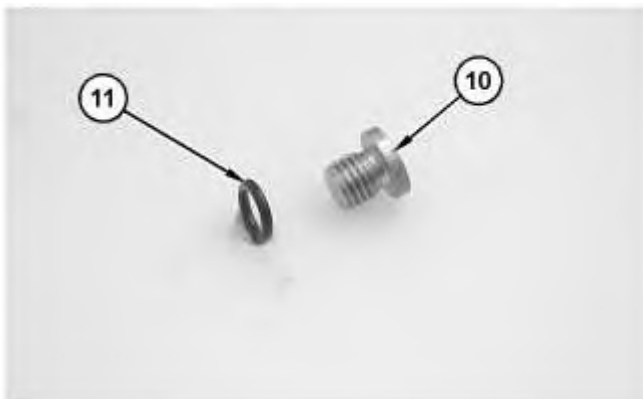


Illustration 8

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8. Remove plug (10) and O-ring seal (11) .

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