

## Disassembly and Assembly

### 314D CR Hydraulic Excavator Machine Systems

Media Number -KENR6404-02

Publication Date -01/03/2010

Date Updated -14/03/2017

i03112624

## Priority Valve - Assemble - Boom

SMCS - 1327-016; 3180-016; 4320-016

### Assembly Procedure

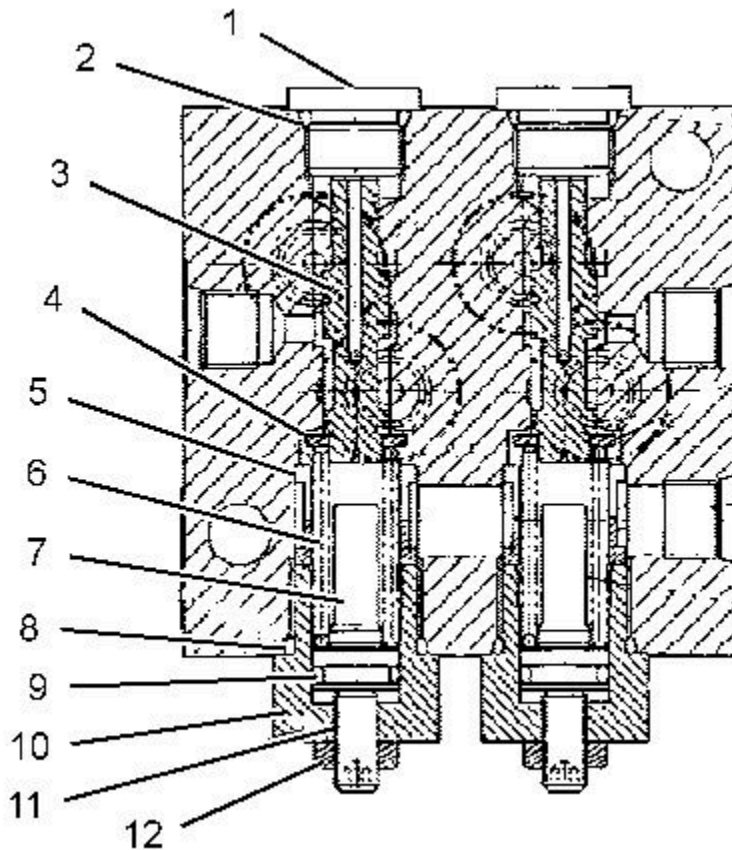


Illustration 1

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**Note:** Check the O-ring seals for wear or for damage. If necessary, replace the O-ring seals.

 **WARNING**

**Improper assembly of parts that are spring loaded can cause bodily injury.**

**To prevent possible injury, follow the established assembly procedure and wear protective equipment.**

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1. Install O-ring seal (2) and plug (1). Tighten plug (1) to a torque of  $74 \pm 5$  N·m ( $55 \pm 4$  lb ft). Install spool (3). Install seat (4). Install stopper (5). Install spring (6). Install seat (7). Install O-ring seal (9). Install O-ring seal (8). Install plug (10), nut (12), and set screw (11) as a unit. Tighten plug (10) to a torque of  $128 \pm 10$  N·m ( $94 \pm 7$  lb ft).

**End By:**

- a. Install the priority valve (boom). Refer to Disassembly and Assembly, "Priority Valve (Boom) - Install".
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## Disassembly and Assembly

### 314D CR Hydraulic Excavator Machine Systems

Media Number -KENR6404-02

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i03107921

## Priority Valve - Install - Boom

SMCS - 506P-012

### Installation Procedure

Table 1

Required Tools			
Tool	Part Number	Part Description	Qty
A	FT-2674	Vacuum Cap <sup>(1)</sup>	1

(1) Add a 305 mm (12.0 inch).

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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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#### 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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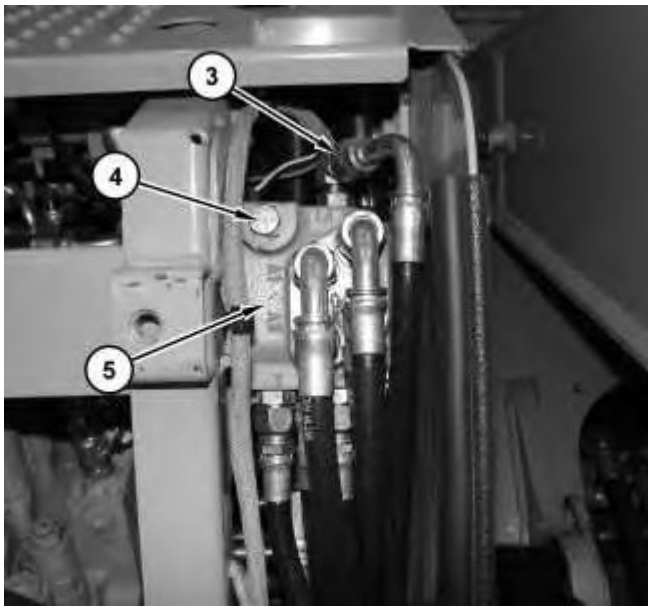


Illustration 1

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1. Install priority valve (5) and bolts (4). Connect all necessary hose assemblies (3) to priority valve (5).



Illustration 2

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