



Service Repair Manual

Models

305D Mini Hydraulic Excavator

Product: MINI HYD EXCAVATOR

Model: 305D CR MINI HYD EXCAVATOR XER

Configuration: 305D Mini Hydraulic Excavator XER00001-UP (MACHINE) POWERED BY S4Q2T Engine

Disassembly and Assembly

303.5D CR, 304D CR, 305D CR and 305.5D CR Mini Hydraulic Excavators Machine Systems

Media Number -UENR0102-01

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i03982575

Support (Swing Boom) - Remove

SMCS - 7051-S4

Removal Procedure

Table 1

Required Tools			
Tool	Part Number	Part Description	Qty
A	1P-1862	Retaining Ring Pliers	1
B	140-7742	Sleeve	2
C	5P-4197	Spacer	1
	1P-1832	Adapter	1
	4C-9633	Puller Stud	1
	6V-3160	Double Acting Cylinder	1
	9U-6833	Nut	1
	3S-6224	Electric Hydraulic Pump Gp	1
D	4C-9633	Puller Stud	1
	6V-3160	Double Acting Cylinder	1
	1P-1832	Adapter	1
	9U-6833	Nut	1
	3S-6224	Electric Hydraulic Pump Gp	1

Start By:

A. Remove the boom cylinder. Refer to, "Boom Cylinder - Remove and Install".

Note: Put identification marks on all lines, on all hoses, on all wires, and on all tubes for installation purposes. Plug all lines, hoses, and tubes in order to prevent fluid loss and to keep contaminants from entering the system.

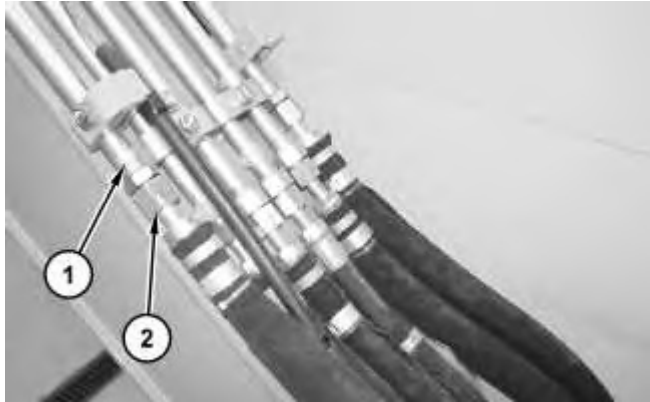


Illustration 1

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Illustration 2

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1. Disconnect hose assemblies (2) from tube assemblies (1) that are located at the rear of the boom. All hose assemblies (2) and tube assemblies (1) should be capped and the caps should be tight.
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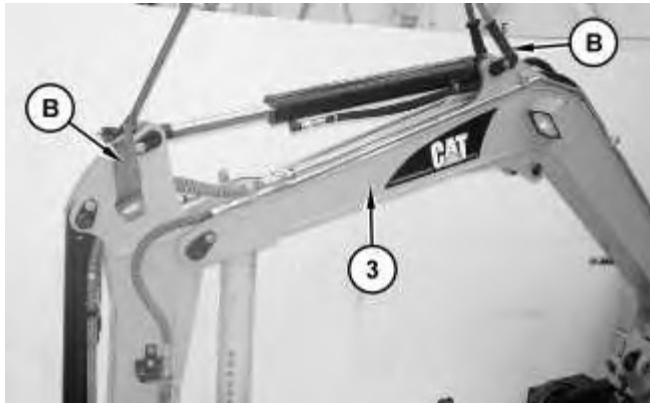


Illustration 3

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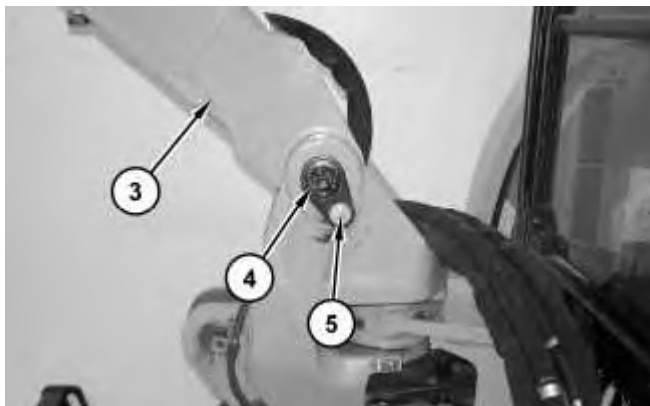


Illustration 4

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2. Attach Tooling (B) and a suitable lifting device to boom assembly (3). The weight of boom assembly (3) is approximately 522 kg (1150 lb).
3. Remove bolt (5) and pin assembly (4). Remove boom assembly (3) .

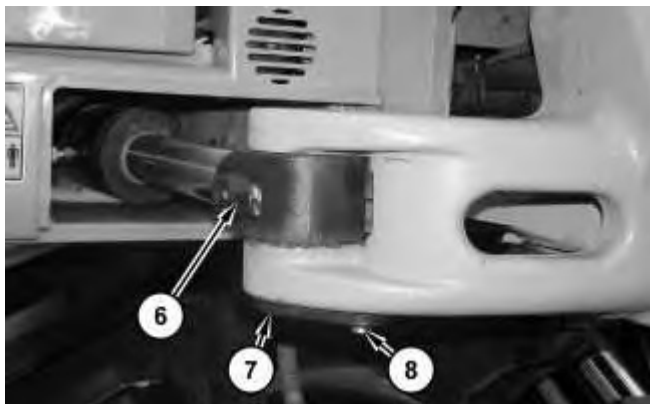


Illustration 5

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4. Remove bolt (8) and pin assembly (7). Position swing boom cylinder (6) to the side.

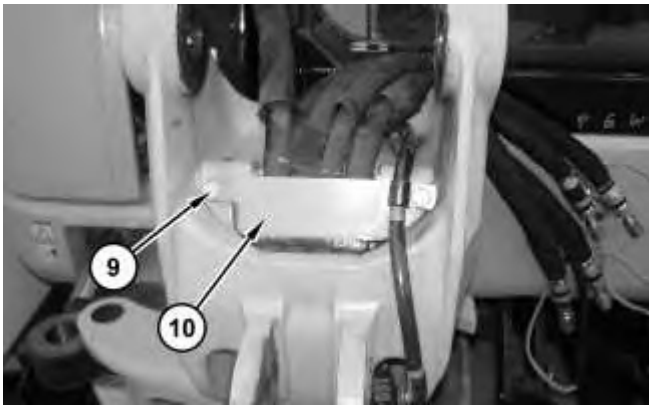


Illustration 6

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5. Remove bolts (9) and guard (10) .

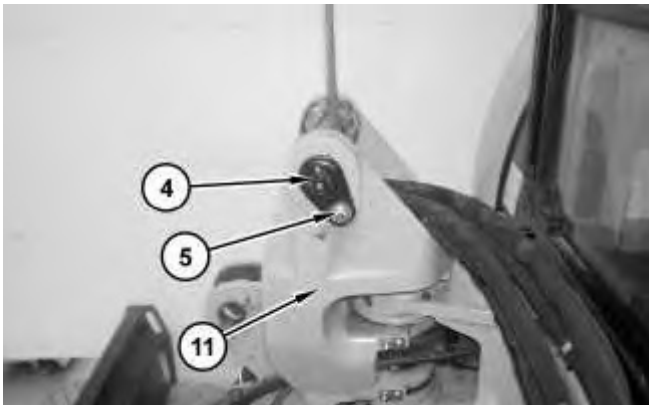


Illustration 7

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6. Install pin assembly (4) and bolt (5) that held the head end of the stick cylinder. Pin assembly (4) is used for the removal of support (11). Attach a suitable lifting device to pin assembly (4) and support (11). The weight of support (11) is approximately 160 kg (350 lb).
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