

Disassembly and Assembly

988K Wheel Loader, 834K Wheel Dozer and 836K Compactor Machine Systems

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i06616696

Boom Bearings and Seals - Remove and Install

SMCS - 6501-010-BD; 6501-010-SA; 7551-010-BM

Removal Procedure

Table 1

Required Tools			
Tool	Part Number	Part Description	Qty
A	350-7768	Electric Hydraulic Pump Gp(115V)	1
	350-7769	Electric Hydraulic Pump Gp(230V)	1
	5P-5201	Double Acting Cylinder	1
	137-8792	Sleeve	1
	7Y-1460	Nut	1
	9U-6800	Nut	1
	4C-6504	Puller Rod	1
	4C-8152	Retaining Plate	1
	9T-2240	Rod	4
	8T-4133	Nut	4
	9U-6261	Bearing Puller Adapter	1
	8T-4121	Hard Washer	
	B	350-7768	Electric Hydraulic Pump Gp(115V)
350-7769		Electric Hydraulic Pump Gp(230V)	
6V-3175		Double Acting Cylinder	1
9U-6751		Sleeve	1
137-8460		Puller Stud	1

	1U-6217	Bearing Puller Plate	1
	9U-5346	Nut	2
	9X-8399	Washer	2
C	-	Loctite 271	-

Start By:

- a. Remove the boom.



When you are using hydraulic cylinders and puller studs, always ensure that the rated capacity of the puller stud meets or exceeds the rated capacity of the hydraulic cylinder. If the puller stud does not meet or exceed the rated capacity of the hydraulic cylinder, a sudden failure of the puller stud could occur. The sudden failure of the puller stud could result in personal injury or death.

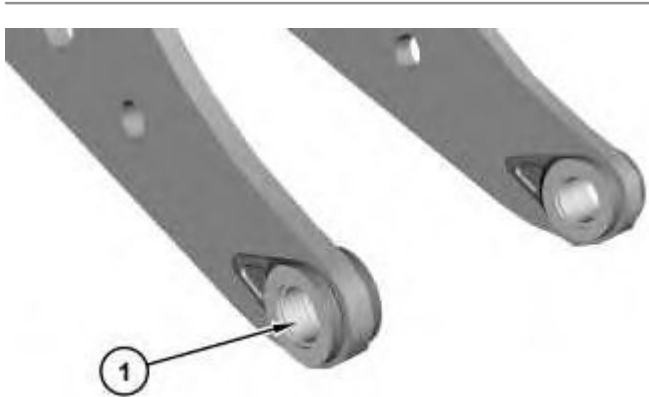
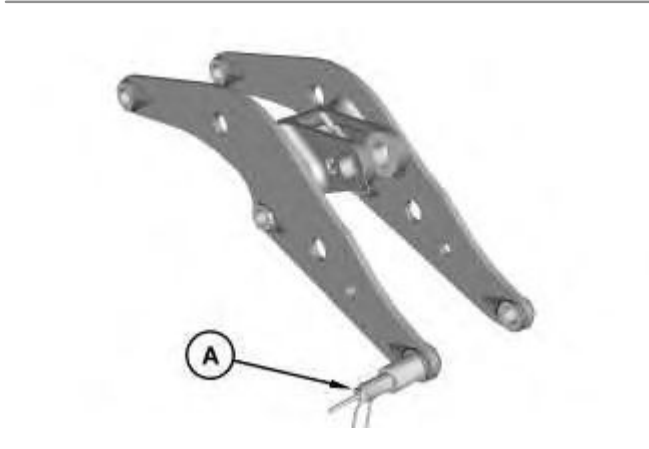


Illustration 1

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1. Remove the seals from the bore of the B-pin. Attach a suitable lifting device to Tooling (A). The weight of Tooling (A) is approximately 147 kg (325 lb). Use Tooling (A) to remove bearing (1) from the bore of the B-pin. Repeat for the opposite side.

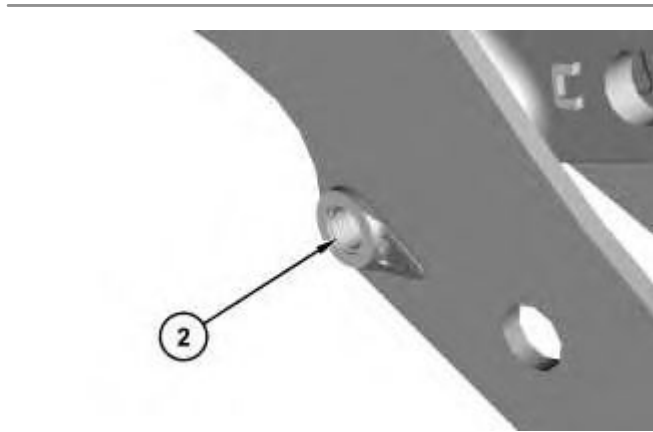


Illustration 3

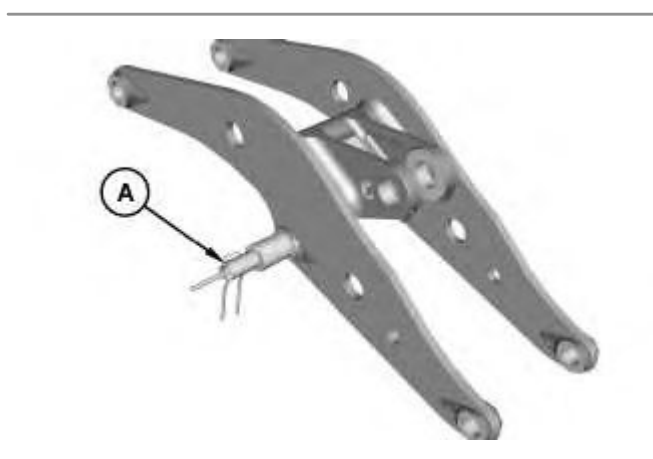
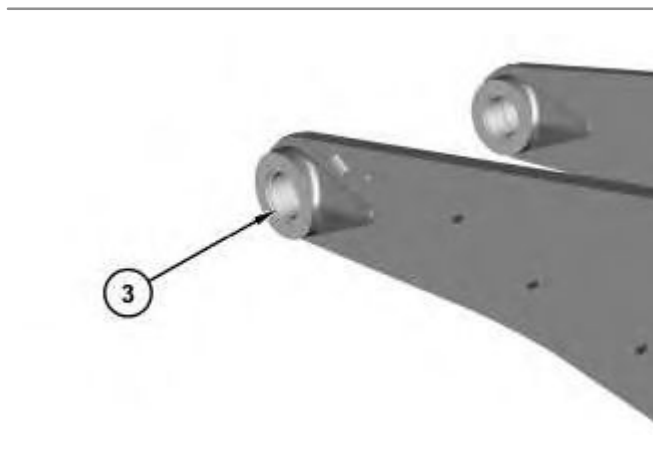


Illustration 4

2. Remove the seals from bore of the K-pin. Attach a suitable lifting device to Tooling (A). The weight of Tooling (A) is approximately 147 kg (325 lb). Use Tooling (A) to remove bearing (2) from the K-pin bore. Repeat for the opposite side.



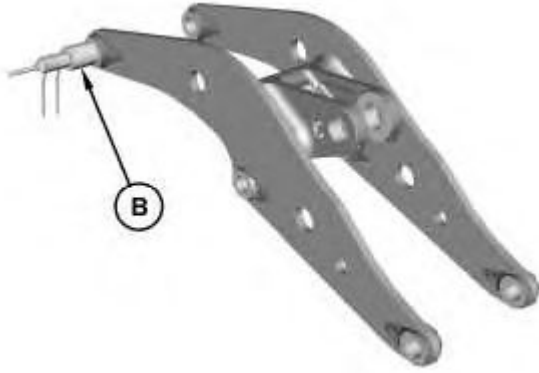


Illustration 6

3. Remove the seals from the bore of the A-pin. Attach a suitable lifting device to Tooling (B). The weight of Tooling (B) is approximately 65 kg (140 lb). Use Tooling (B) to remove bearing (3) from the bore of the A-pin.

Installation Procedure

1. Install boom bearings (1), (2), (3) and the seals in the reverse order of removal.
 - a. Lower the temperature of the bearings before installing.
 - b. Install the bearings 10.0 ± 0.5 mm (0.40 ± 0.02 inch) from the face of the boom.
 - c. Apply Tooling (C) to the bore prior to installing the boom bearing seals.
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