


REMOVAL AND INSTALLATION OF 2 PIECE BOOM WORK EQUIPMENT


SPECIAL TOOLS

Mark	Part No.	Part Name	Necessity	Qty	Distinction*	Sketch
R	796-900-1200	Remover	■	1		
	790-101-4000	Puller (490 kN 50-T-long)	■	1		
	790-101-1102	Pump (294 kN 30 T)	■	1		

*Distinction between new and existing part.

REMOVAL

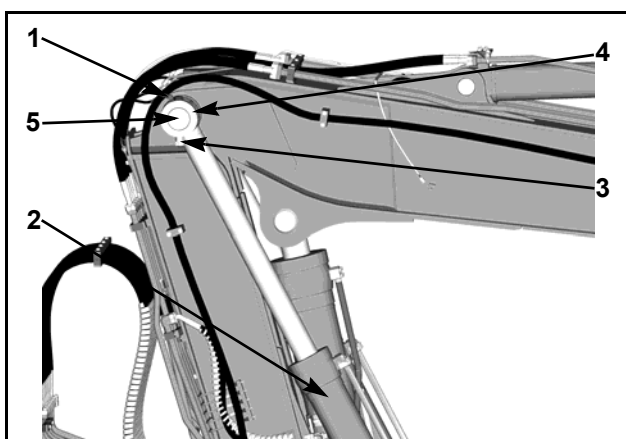
 Extend the arm and bucket fully. Lower the work equipment to the ground and set the safety lock lever to the lock position.

 Release the residual pressure in the hydraulic circuit. Refer to the Release of Remaining Pressure in Hydraulic Circuit section in the TESTING AND ADJUSTING chapter of this manual.

1. Disconnect grease hose (1).
2. Sling boom cylinder assembly (2), and remove lock bolt (3).
3. Remove plate (4), then remove head pin (5).

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- ★ There are shims installed, so check the number and thickness, and keep them in a safe place.



4. Start the engine and retract the piston rod.
 - ★ Fasten the piston rod with wire so that it will not slip out and lower the cylinder onto a stand, or place a support under the bottom of the cylinder to support it. In the latter case,

remove the grease fitting on the bottom side first.

- ★ Remove the boom cylinder on the other side in the same manner.

5. Disconnect arm cylinder (6), boom cylinder hoses (7), adjust cylinder hoses (8), stabilizer hose (9) two for each.

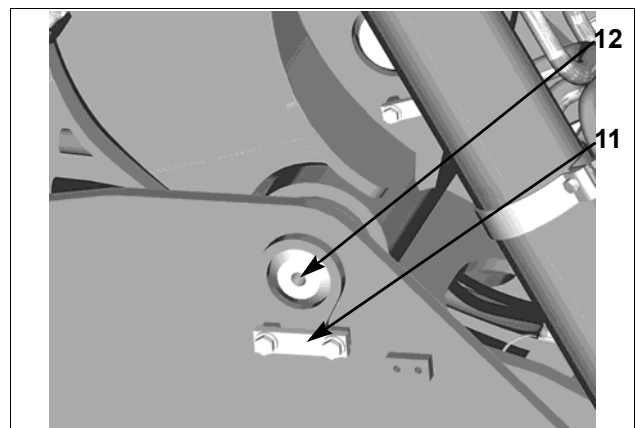
- ★ Plug the hoses to prevent oil flow-out, and fasten them on the valve side.

6. Disconnect intermediate connector CN-A86 (10) for a working lamp.

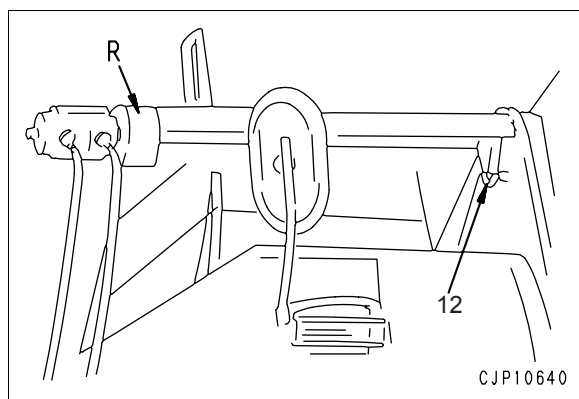


7. Lift off the work equipment and remove plate (11) and then pin (12) at the foot.

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- When removing them, first remove plate (11) and then remove pin (12) at the foot, using Tool R.
- ★ Shims are installed, so do not forget to check their number and each location of installation.



8. Lift off work equipment assembly (13) and disassemble it.



Work equipment assembly
 PW200: 4,054 kg
 PW220: 4,190 kg

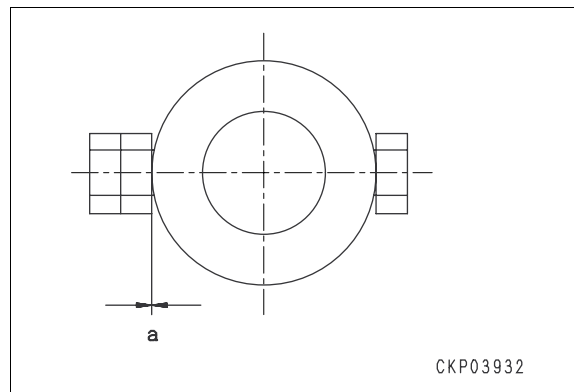


INSTALLATION

- Install in reverse order of removal.



- ★ When tightening the locknut, tighten so that clearance **a** between the plate and nut is 0.5 - 1.5 mm.



Inside surface of bushing when assembling pin:

Anti-friction compound (LM-P)



Grease after assembling pin:

Grease (LM-G)



When aligning the position of the pin hole, never insert your fingers into the pin hole.

- ★ Adjust the shim thickness so that clearance **a** between cylinder rod (14) and plate (4) is below 1 mm.

- ★ Standard shim thickness: 1.0 mm and 2.0 mm.

