

INSTALLATION MANUAL

REF NO.	BH00001
DATE	Jan. 15, 2001

SUBJECT: INSTALLATION OF ADDITIONAL ACCUMULATOR

PURPOSE: Additional mounting of an accumulator for the work hydraulic system

APPLICATION: WA65-3 Wheel Loader, S/N HA940051 thru HA940170
WA75-3 Wheel Loader, S/N HA950051 thru HA950334
WA85-3 Wheel Loader, S/N HA960051 thru HA960129
WA90-3 Wheel Loader, S/N HA970051 thru HA970123
WA95-3 Wheel Loader, S/N HA980051 thru HA980117

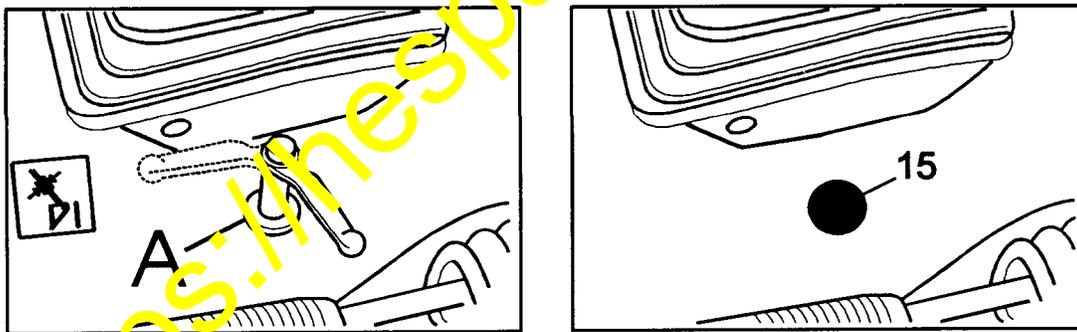
FAILURE CODE: J100Z9

DESCRIPTION:

The connecting of work equipment at the 3rd control circuit will be improved and the emergency lowering will be transferred into the PPC valve lever.

The current safety lever for the work hydraulic system **A** on right side in the cab has to be removed.

The label has to be removed and the hole in the plastic lining has to be closed with a plug (Position 15).



PREPARATION:

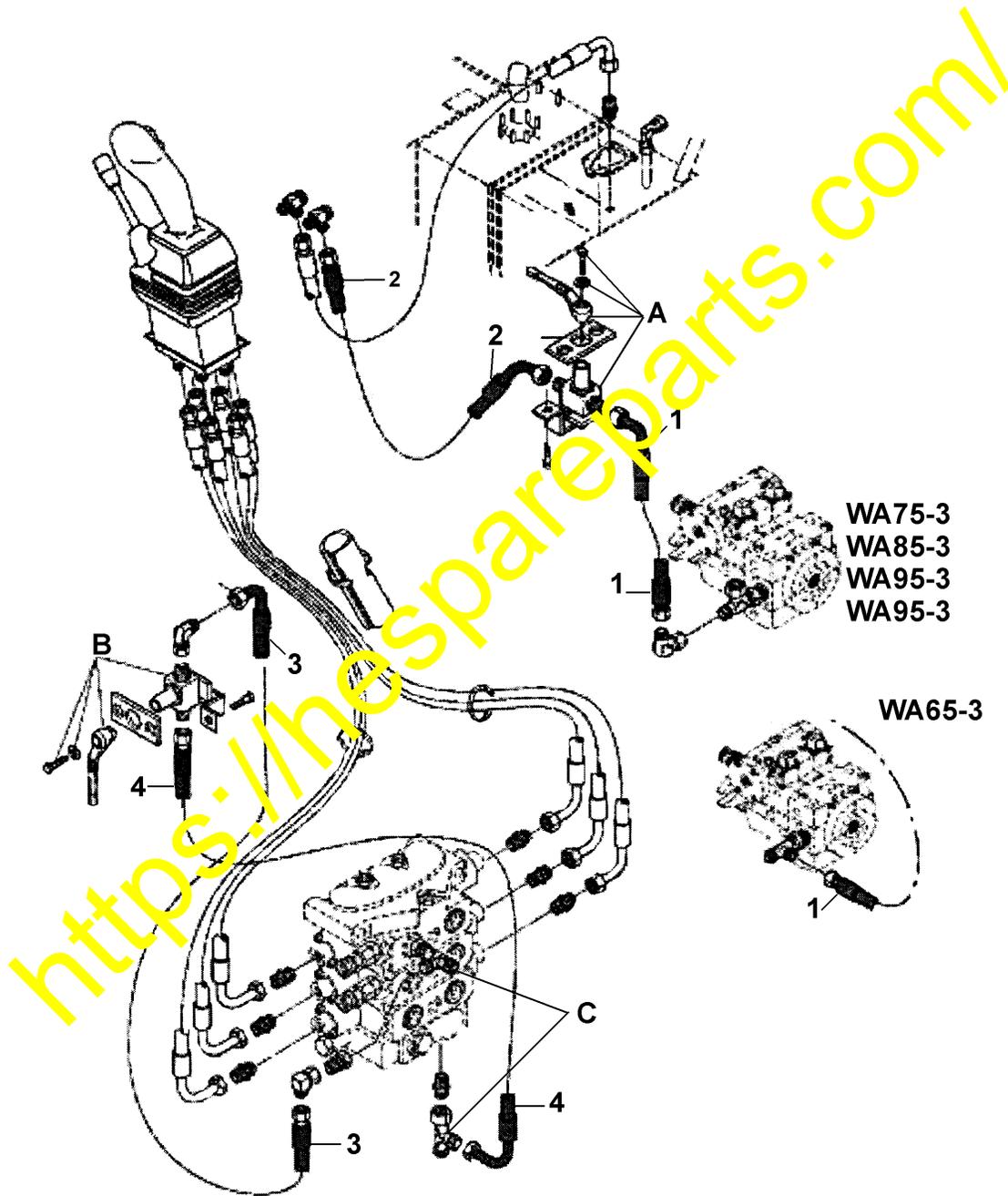
Lower the work equipment to the ground, stop the engine and apply the parking brake.

Put wheel chocks in front and behind the wheels and secure the articulated steering.

Open the engine hood.

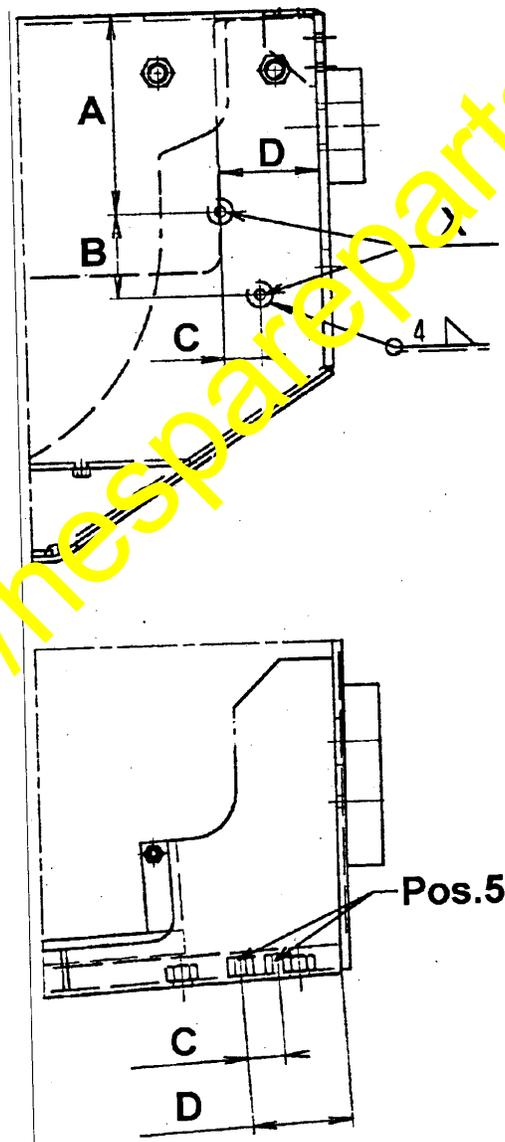
Open slowly the stud on the hydraulic tank to bleed the hydraulic system.

1. Remove the hydraulic hoses (1) and (2) from the lock lever (A).
2. Remove the lock lever (A) and the label. Close the hole in the plastic facing with a plug (15).
3. Remove the hydraulic hose (1) from the work hydraulic pump.
4. Open the right door from the cabin and remove the cover from the gear lever console.
5. Remove the hydraulic hoses (2) at the PPC valve.
6. Remove the hydraulic hoses (3) and (4) on the lever for emergency lowering (B)
7. Remove the hydraulic hoses (3) and (4) with T-pieces (C) at the control unit and connect the other hoses direct at the control unit.

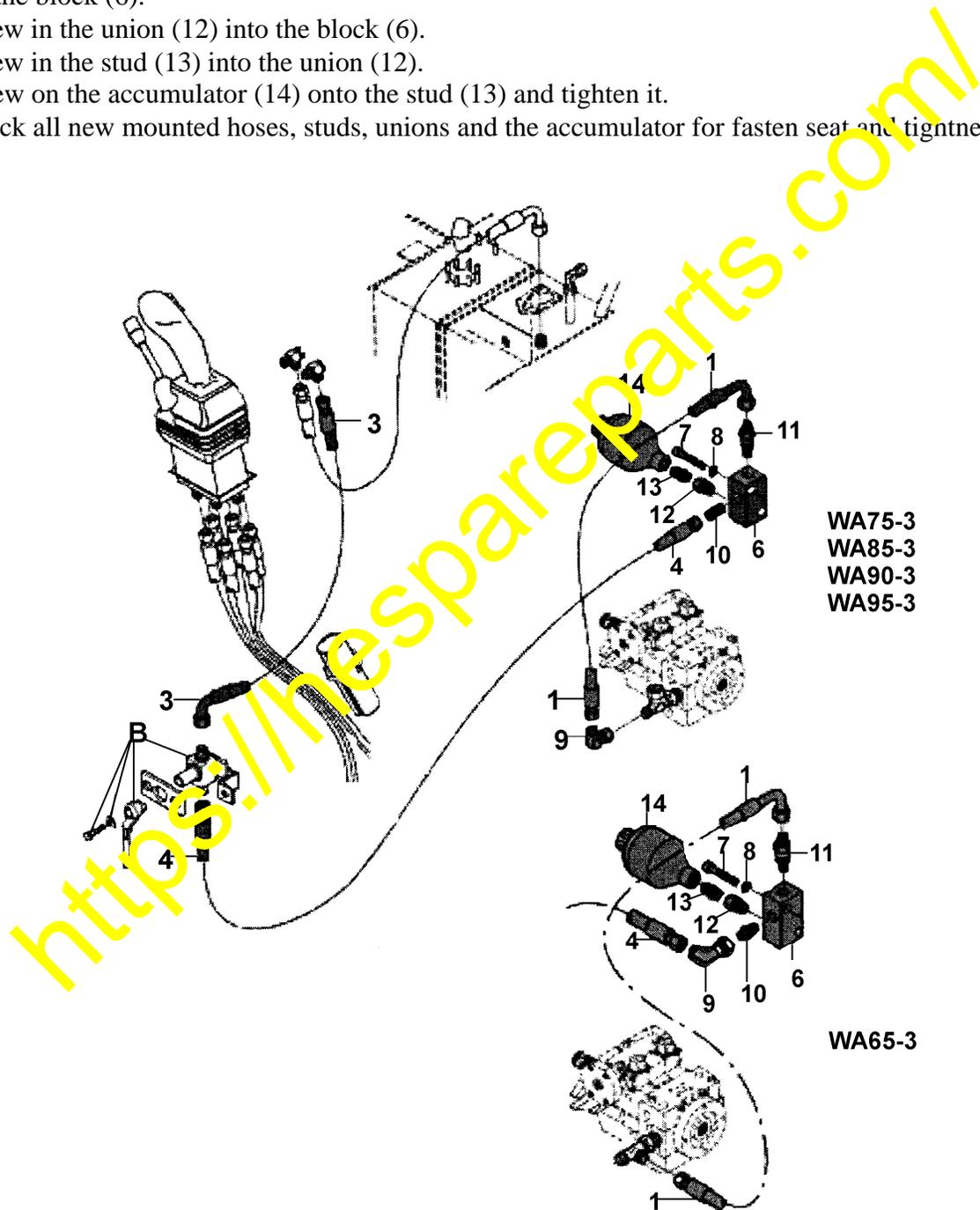


8. Mark the two fix points (X) on the rear frame innerside left according to the sketch below.
 9. Weld on around the two threaded bushes (5) at the marked points.

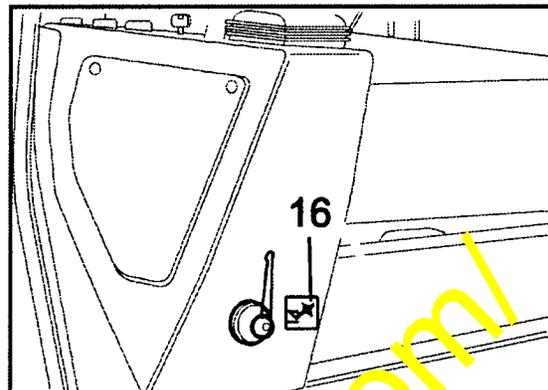
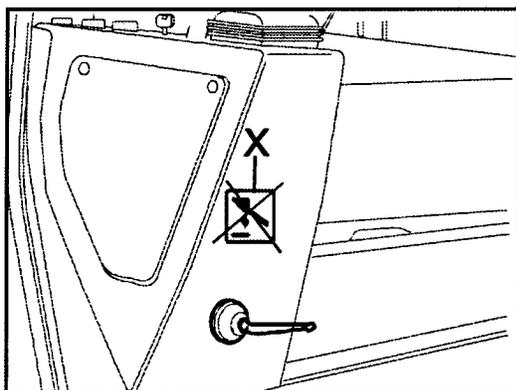
TYPE	MEASURE A	MEASURE B	MEASURE C	MEASURE D
WA65-3	170±3	72±1	32±1	85±3
WA75-3/ WA85-3	170±3	72±1	32±1	105±3
WA90-3/ WA95-3	165±3	72±1	32±1	85±1



10. Screw on the new hydraulic hose (3) at the lock lever (B) and at the PPC valve.
11. Screw on the new hydraulic hose (4) at the lock lever (B) and lay the other end of the hose under the cab through into the rear frame to the left srear side.
12. Screw on the block (6) with the 2 screws (7) and the 2 shims (8) and tighten it,.
13. **WA65-3:** Connect the new hydraulic hose (4) with elbow (9) and stud (10) at the block (6).
14. **WA75-3, WA85-3, WA90-3 and WA95-3:** Connect the new hydraulic hose (4) with stud (10) at the block (6)
15. **WA65-3:** Connect the new ydraulic hose (1) with non-return valve (11) at the block (6).
16. **WA75-3, WA85-3, WA90-3 and WA95-3:** Connect the new hydraulic hose (1) with non-return valve (11) at the block (6).
17. Screw in the union (12) into the block (6).
18. Screw in the stud (13) into the union (12).
19. Screw on the accumulator (14) onto the stud (13) and tighten it.
20. Check all new mounted hoses, studs, unions and the accumulator for fasten seat and tightness.



Remove the current label for emergency lowering (X) on the console.
Set the new label (16) for safety lever for work hydraulic onto the console.



SPARE PARTS

Position	Name	Part Number Current	Part Number New	Qty
1	Hose, complete WA650-3 WA85-3/WA85-3 WA90-3/WA9503	42T-09-H0210 42U-00-H0630 42U-00-H0630	42T-09-H0890 42U-00-H0630 42U-009-H0810	1
2	Hose, complete	42U-00H-0620	Entfällt	1
3	Hose, complete	42U-00H-0610	42W-09-H1280	1
4	Hose complete, WA65-3, WA75-3/WA85-3 WA90-3/WA95-3	42U-00-H0600 42U-00-H0600 42U-00-H0600	42T-09-H0900 42U-09-H2490 42W-09-H1300	1
5	Threaded bush		01571-01016	2
6	Block		42U-64-13170	1
7	Screw		01435-01060	2
8	Sum		419-00-H0380	2
9	Elbow		421-00-H0230	1
10	Stud		421-00-H0150	1
11	Non-return valve		42U-64-13190	1
12	Union		42U-09-H2430	1
13	Stud		42Y-00-H1460	1
14	Accumulator		42U-64-13180	1
15	Plug		42W-09-H1330	1
16	Label	42U-93-11A50	42U-93-11A40	1