

INSTALLATION MANUAL

REF NO.	BA00002
DATE	April 4, 2000

SUBJECT: QUICK CHANGE UNIT WITH ADDITIONAL CONTROL CIRCUIT

PURPOSE: Picking up and removing the multi purpose bucket

APPLICATION: WA65-3 Wheel Loader, S/N up to HA940170
WA75-3 Wheel Loader, S/N up to HA950317
WA85-3 Wheel Loader, S/N up to HA960129
WA95-3 Wheel Loader, S/N up to HA980117

FAILURE CODE: 77C05D

DESCRIPTION: Guidance for picking up and disconnecting the multipurpose bucket, respectively connecting and disconnecting the hydraulic hoses and quick attach couplers.

OPERATING THE MACHINE

Selecting a work unit: Refer to chapter "CE-Conforming Equipment" for information on the work units registered.

Picking up the work unit (except multi purpose bucket)

Connect the multi-purpose bucket as described in section "Picking up the multi-purpose bucket", Page 5-20.

Make sure that the change over lever for the additional control unit is in position "2" (Fig.1).

Start the engine.

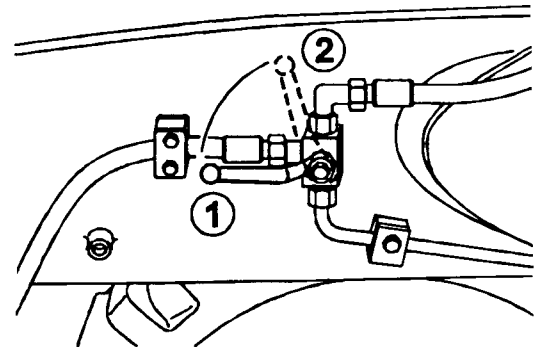


FIG. 1

Unlock the quick change unit by setting the control lever for special equipment into position "1" (Fig. 2).

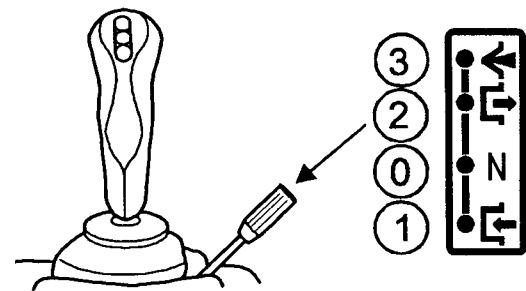


FIG. 2

Lift the boom slightly by setting the multi-function lever into position "H" (Fig. 3)

Tilt the quick change unit slightly to the front by setting the multi-function lever into position "A" (Fig. 3)

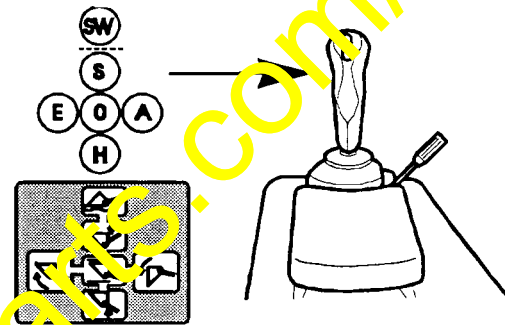


FIG. 3

Drive the machine to the work unit until the quick change unit (1) is below the pickup hooks of the work unit. Then lift the boom until work unit catches the quick change unit (Fig.4)

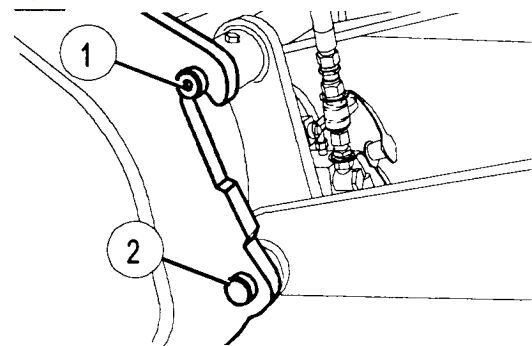


FIG. 4

Lock the quick change unit by setting the control lever for special equipment into position '2' (FIG. 2)

The interlocking pins (2) will then be visible (FIG. 4)

WARNING! IF THE WORK UNIT IS NOT PROPERLY ATTACHED, IT CAN SUDDENTLY FALL DOWN AND CAUSE SEVERE ACCIDENTS! CAREFULLY LIFT THE WORK UNIT AND CHECK WHETHER IT IS COMPLETELY LOCKED IN BY SLOWLY TIPPING IT IN AND THEN DUMPING IT.

Removing the work unit.

Lower the work unit onto level ground.

Unlock the quick change unit by setting the control lever for special equipment into position '1' (FIG. 2)

Set the quick change unit into the dumping position 'A' (FIG. 3) using the multi-function lever, until the quick change unit is unhooked of the pickup hooks of the work unit.

Make sure that nobody is behind the machine and drive the machine away from the work unit.

Picking up the multi-purpose bucket

Set the change over lever for the additional control unit into position '2' (FIG. 5)

Start the engine. Unlock the quick change unit by setting the control lever for special equipment into position '1' (FIG. 3)

Lift the boom slightly by setting the multi-function lever into position 'H' (FIG. 4)

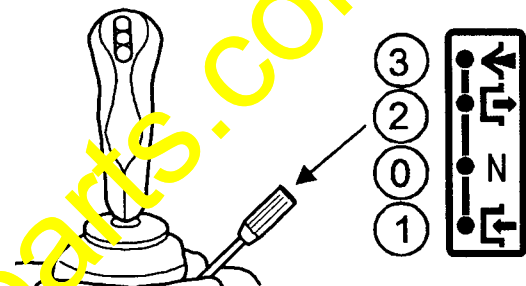


FIG. 3

Tilt the quick change unit slightly to the front by setting the multi-function lever into position 'A' (FIG. 4)

Drive the machine to the work unit until the quick change unit (1) is below the pickup hooks of the work unit. Then, lift the boom until the work unit catches the quick change unit.

Tip in the quick change unit until the work unit is connected to the limit stops on the quick change unit by setting the multi-function lever into position 'E' (FIG. 4)

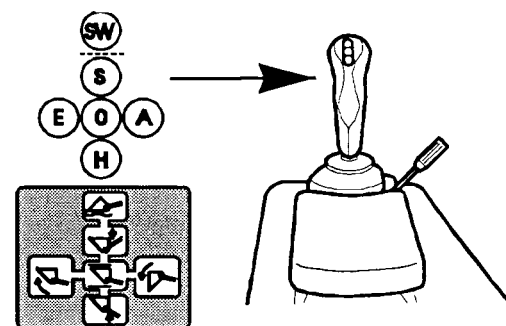


FIG. 4

Lock the quick change unit by setting the control lever for special equipment into position '2' (FIG. 3)

IMPORTANT: Unlock the quick change unit again by setting the control lever for special equipment into position '1' (FIG. 3) in order to remove the pressure from the additional control circuit.

Connect the hydraulic hoses of the multi-purpose bucket to the quick attach couplers (1) FIG. 3) and (3 FIG. 7)

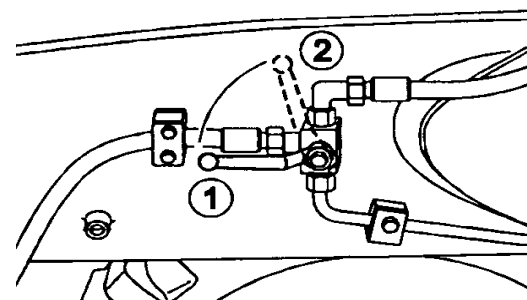


FIG. 5

Lock the quick change unit by setting the control lever for special equipment into position '2' (FIG. 3)

Set the change over lever for the additional control circuit into position '1' (FIG. 5).

You can now operate the multi-purpose bucket with the control lever for special equipment (FIG. 3).

- POSITION '1' Close multi purpose bucket
- POSITION '0' Neutral position
- POSITION '2' Open multi-purpose bucket

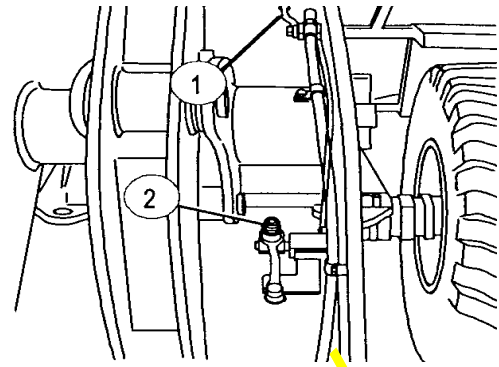


FIG. 6

WARNING! If the work unit is not properly attached, it can suddenly fall down and cause severe accidents. Carefully lift the work unit and check whether it is completely locked in by slowly tipping it in and then dumping it.

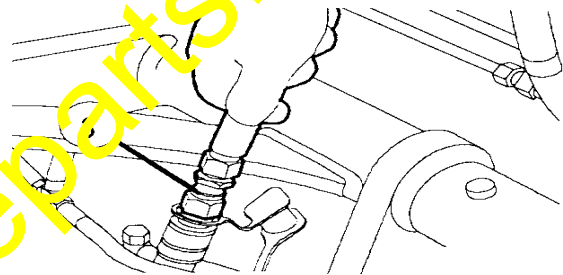


FIG. 7

Removing the multi-purpose bucket

Lower the multi-purpose bucket onto level ground.

Turn the change over lever for the additional control circuit to position '1' (FIG. 8)

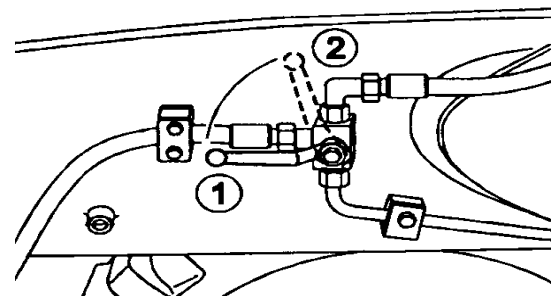


FIG. 8

Unlock the quick change unit by setting the control lever for special equipment into position '1' (FIG. 9)

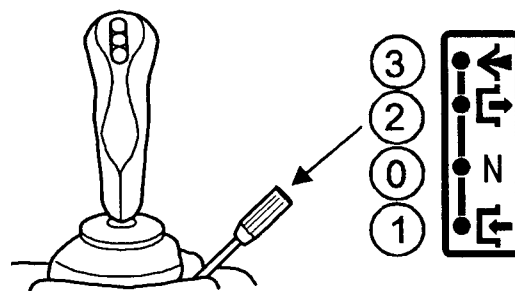


FIG. 9

Loosen the hydraulic hoses of the multi purpose bucket from the quick attach couplers.

Set the quick change unit into the dumping position 'A' (FIG. 10) using the multi-function lever, until the quick change unit is unhooked of the pickup hooks of the work unit.

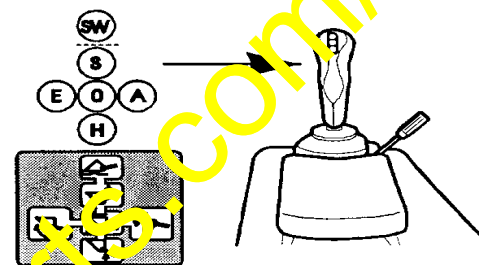


FIG. 10

Make sure that nobody is behind the machine and drive the machine away from the work unit.

Tire Appropriate Operation

Removing loose soil or rock debris may cause premature wear and tear of the tires due to cracks and small fissures. As a result, the service life of the tires are reduced. Proceed as follows to avoid unnecessary wear and tear of the tires:

- Try to work on level ground and remove any rocks and large stones which are sticking out of the surface.
- Always drive in straight direction into the pile or slope. This ensures that you have always the largest intrusive force while reducing tire wear and tear at the same time.
- For removing operations, lift the bucket as soon as you drive into the pile or slope. This procedure permits to increase the load of the front wheels, prevents slipway of the front wheels and reduces wear and tear of the tires.
- Lower the bucket slowly onto the ground. If the bucket touches the ground too fast, the front wheels may be lifted from the ground, thus leading to premature wear and tear of the rear tires.
- To prevent the front wheels from skidding, it is recommended to set the ground pressure of the front wheels as high as possible. Therefore, immediately lift the bucket a little after running into the pile or slope.

Level indicator for the bucket

On both sides of the bucket the upper edges (see below) are arranged in parallel to the bucket edge and can be used as a level indicator for the bucket.

You can recognize the position of the cutting edge of the bucket from the driver's seat with the help of the level indicators.

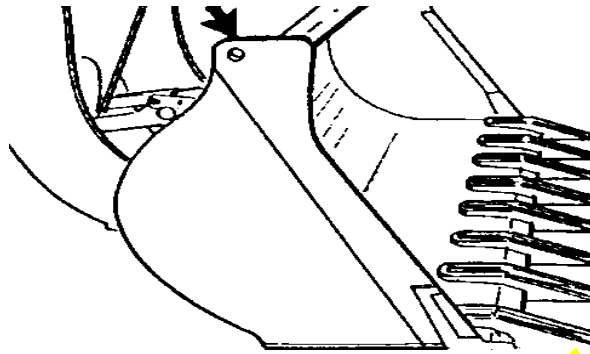


FIG. 11

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