

Attachments



Figure 6-1



Figure 6-2

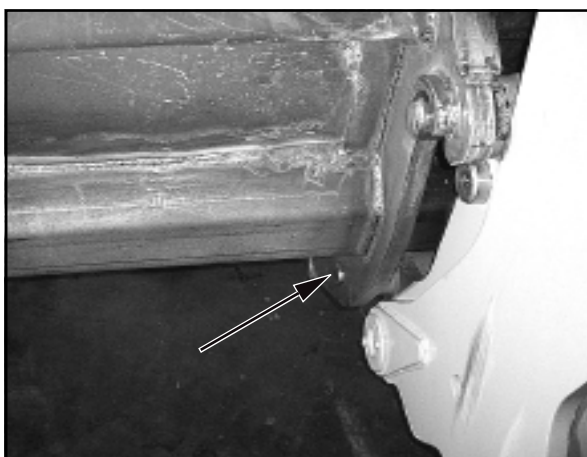


Figure 6-3

6 Attachments

6.1 Mounting and dismounting attachments without hydraulic connections to loaders with bolt locks (standard equipment)

6.1.1 Standard/lightweight bucket

Mounting

- (1) Bring the bucket arm to its lowest position and tip the quick-change device.
- (2) Drive the loader up to the bucket (6-1).
- (3) Pick up the bucket using the quick-change device and, by simultaneously tilting the quick-change device, raise the bucket until the quick-change device is next to it (6-2).
- (4) Lock the bucket (6-3) with the upper pushbutton for the auxiliary hydraulics (4-9/3).



CAUTION

The attachment may be locked only when the engine is at idling speed so that the retraction speed of the locking bolts does not become too high.

- (5) Check that the device is mounted and locked correctly on both sides.



DANGER

The two bolts of the quick-change device must be in the bore holes of the bucket suspension and must be clearly visible (6-3/arrow).

Dismounting

- (1) Place the bucket firmly on the ground.
- (2) Press the release button for the quick-change device (4-7/1) and, while keeping the button depressed, unlock the bucket by pressing the bottom pushbuttons for the auxiliary hydraulics (4-9/3).



CAUTION

The attachment may be unlocked only when the engine is at idling speed so that the insertion speed of the locking bolts does not become too high.

- (3) Tilt the quick-change device and reverse out.



NOTE

The type plate is on the rear of the bucket, on the right-hand side of the cross arm.

6.2 Mounting and dismounting attachments without hydraulic connections to loaders with claw locks (optional equipment)

6.2.1 Standard/lightweight bucket

Mounting

- (1) Bring the bucket arm to its lowest position and tip the quick-change device.
- (2) Drive the loader up to the bucket (6-4).
- (3) Press and hold the release button for the quick-change device (4-7/1).
- (4) Pick up the bucket using the quick-change device and, by simultaneously tilting the quick-change device, raise the bucket until the quick-change device is next to it (6-5).
- (5) Release the release button for the quick-change device (4-7/1).



NOTE

- When the release button for the quick-change device is pressed, the claws release as long as the button is pressed.
- The bucket claws engage again when the button is released.

- (6) Check that the device is mounted and locked correctly on both sides.



DANGER

The bucket is mounted and locked correctly when the bucket is located next to the quick-change device and the piston rods of the quick-change device cylinder can be plainly seen (6-6/ arrow).



Figure 6-4



Figure 6-5

Dismounting

- (1) Place the bucket firmly on the ground.
- (2) Press and hold the release button for the quick-change device (4-7/1).
- (3) Tilt the quick-change device and reverse out.
- (4) Release the release button for the quick-change device (4-7/1).



NOTE

- The claws return to their locking position.
- The type plate is on the rear of the bucket, on the right-hand side beneath the cross arm.

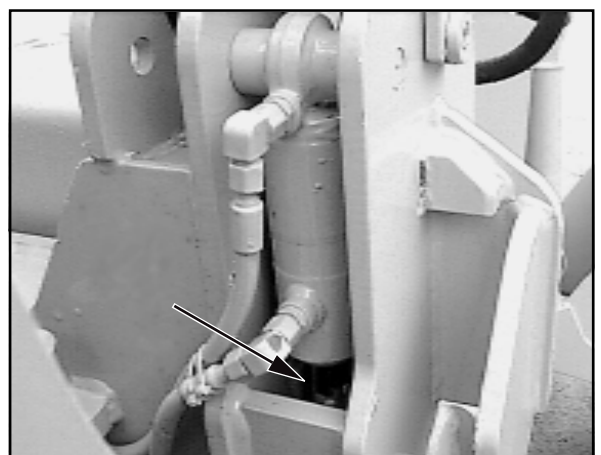


Figure 6-6

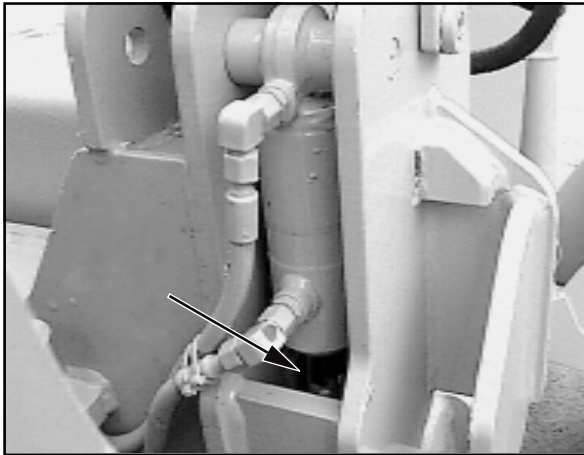


Figure 6-7

6.2.2 Fork-lift attachment

NOTE

Mounting and dismounting are carried out in the same way as for the standard/lightweight bucket (section 6.2.1).



DANGER

- The fork-lift attachment is mounted and locked correctly when it is located next to the quick-change device and the piston rods of the quick-change device cylinder can be plainly seen (6-7/arrow).
- Position both fork tines at an equal distance from the centre (6-8/arrows) and secure them with socket pins.
- Distribute the load equally on both fork tines and secure it against moving and falling off.
- Let the load rest against the rear of the fork and tilt the fork-lift attachment.



NOTE

The type plate is on the rear of the upper fork carrier.

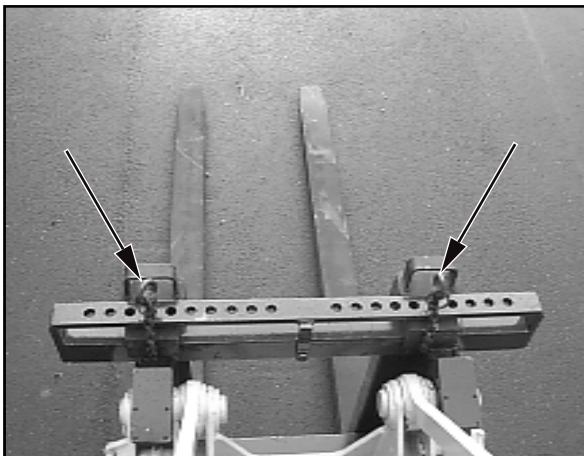


Figure 6-8

6.3 Mounting and dismounting attachments with hydraulic connections to loaders with claw locks (optional equipment)

6.3.1 Multi-purpose bucket

Mounting

- (1) Bring the bucket arm to its lowest position and tip the quick-change device.
- (2) Drive the loader up to the bucket (6-9).
- (3) Press and hold the release button for the quick-change device (4-7/1).



Figure 6-9

- (4) Pick up the bucket using the quick-change device and, by simultaneously tilting the quick-change device, raise the bucket until the quick-change device is next to it (6-10).
- (5) Release the release button for the quick-change device (4-7/1).



NOTE

- When the release button for the quick-change device is pressed, the claws release as long as the button is pressed.
- The bucket claws engage again when the button is released.

- (6) Check that the device is mounted and locked correctly on both sides.



DANGER

The bucket is mounted and locked correctly when the bucket is located next to the quick-change device and the piston rods of the quick-change device cylinder can be plainly seen (6-11/ arrow).

- (7) Shut down the engine and turn the ignition key to „I“.
- (8) Remove the pressure from the hydraulic lines. For this purpose, press both pushbuttons for the auxiliary hydraulics (4-9/3) alternately several times.
- (9) Unscrew the protective caps (6-12/1) of the hoses of the multi-purpose bucket.
- (10) Unscrew the protective caps (6-12/2) of the quick-change couplings on the bucket arm and connect the hoses of the multi-purpose bucket (6-12/3) to those in the bucket arm.



CAUTION

- When making connections, make sure that the hydraulic connections are clean and completely connected and that the colour codings coincide.
- Connections that are not used (6-12/4) must be protected by caps.

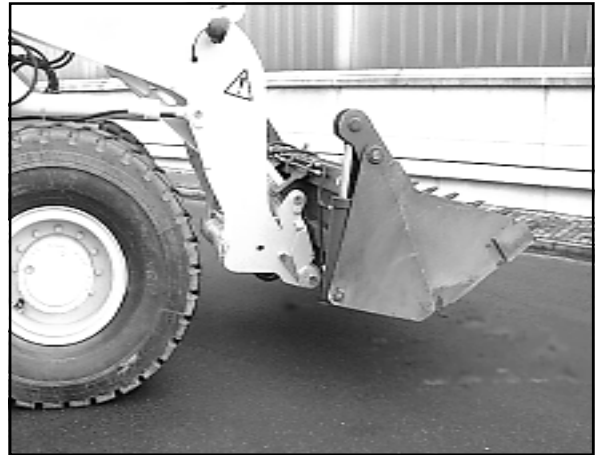


Figure 6-10

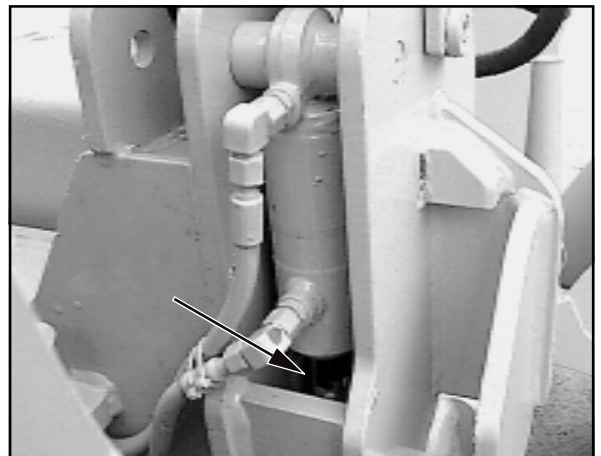


Figure 6-11

Dismounting

- (1) Place the multi-purpose bucket firmly on the ground.
- (2) Shut down the engine and turn the ignition key to „I“.
- (3) Remove the pressure from the hydraulic lines. For this purpose, press both pushbuttons for the auxiliary hydraulics (4-9/3) alternately several times.
- (4) Further dismounting is in the reverse order.



NOTE

The type plate is on the rear of the bucket, on the right-hand side beneath the cross arm.

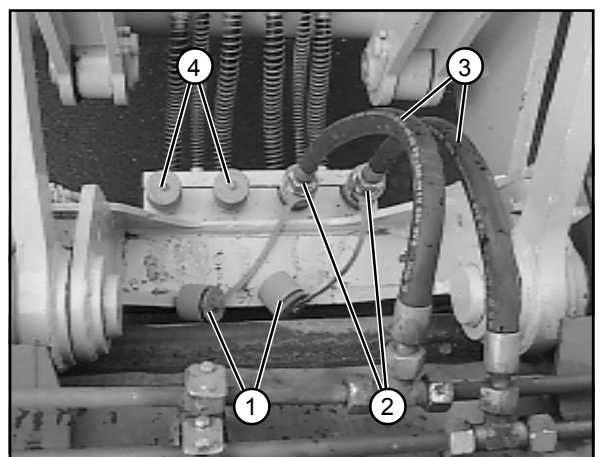


Figure 6-12

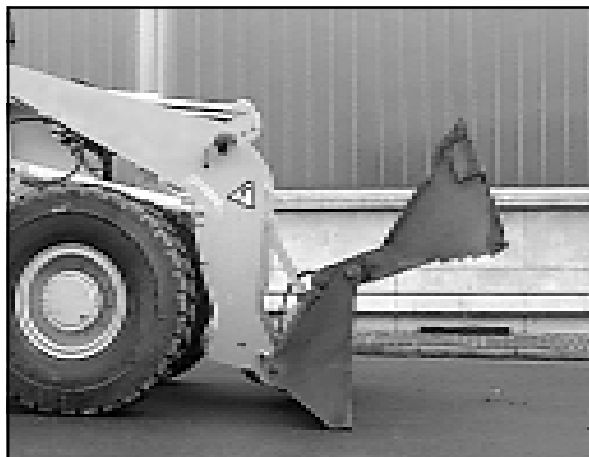


Figure 6-13

Notes on the application of the multipurpose bucket

The multi-purpose bucket can be used for:

- peeling (6-13)

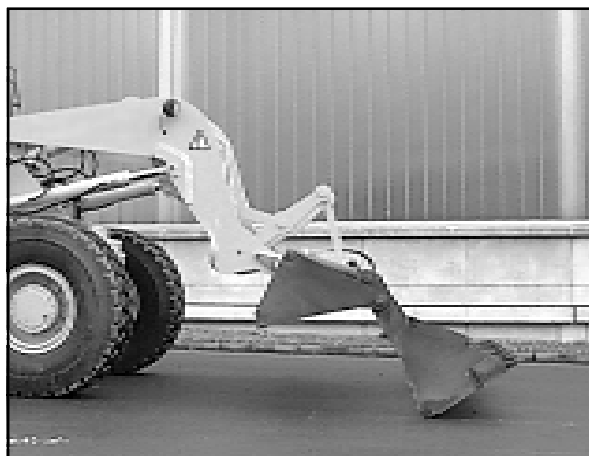


Figure 6-14

- scraping (6-14)

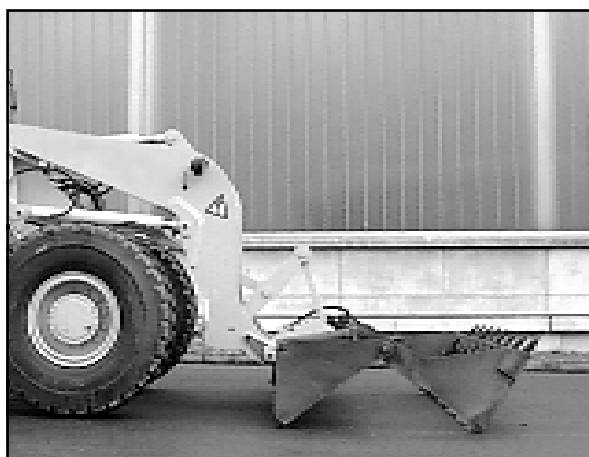


Figure 6-15

- grabbing (6-15) and

- in bucket operation.

6.3.2 Front-end excavator

Mounting

The front-end excavator is mounted in a manner similar to the multi-purpose bucket (section 6.3.1), except that all four hydraulic hoses of the front-end excavator must be connected to the four quick-change couplings of the quick-change device (6-16).



CAUTION

When making connections, make sure that the hydraulic connections are clean and completely connected and that the colour coding coincides.



NOTE

Improper connection of the hydraulic hoses may mean that movements of the front-end excavator arm and/or the shovel do not correspond to the symbols in the sign for the auxiliary hydraulic system.



DANGER

The front-end excavator is mounted and locked correctly when it is located next to the quick-change device and the piston rods of the quick-change device cylinder can be plainly seen (6-17/ arrow).

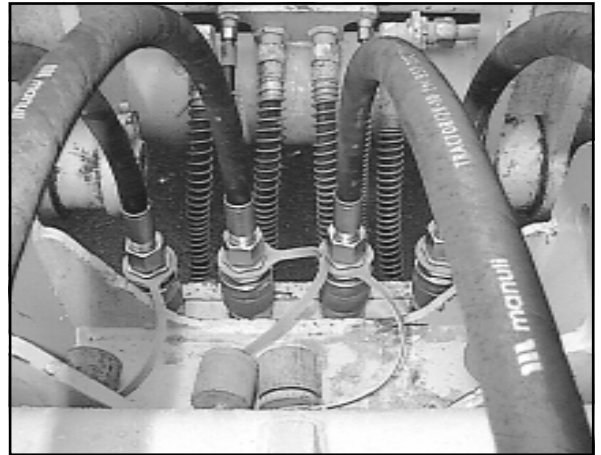


Figure 6-16

Dismounting

The front-end excavator is dismantled in a manner similar to the multi-purpose bucket (section 6.3.1), except that the four hydraulic hoses of the front-end excavator must be disconnected from the four quick-change couplings of the quick-change device.



NOTE

The type plate is on the right-hand side of the shovel, near the support.

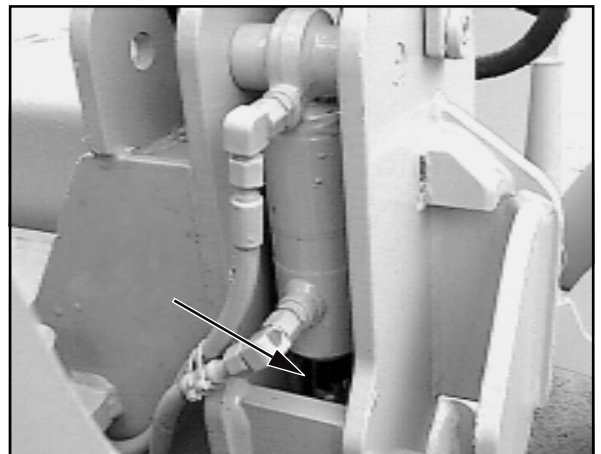


Figure 6-17

6.3.2.1 Shovel replacement

- (1) Prop up the bucket arm mechanically [e.g. by inserting the bucket arm support (option) (1-2/arrows)].
- (2) Position the front-end excavator so that the rear of the shovel lies on the ground.
- (3) Depressurise the hydraulic lines. For this purpose, press both pushbuttons for the auxiliary hydraulics (4-9/3) alternately several times.
- (4) Close the ball block valve (1-2/arrow) for the working and auxiliary hydraulics.

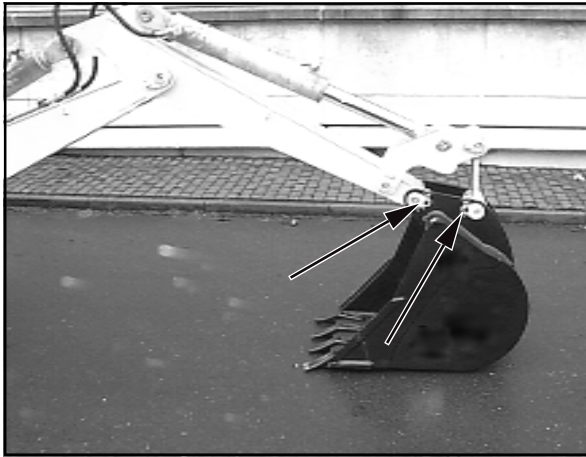


Figure 6-18

(5) Remove the spring locking lever of the bolt locks (6-18/arrows).

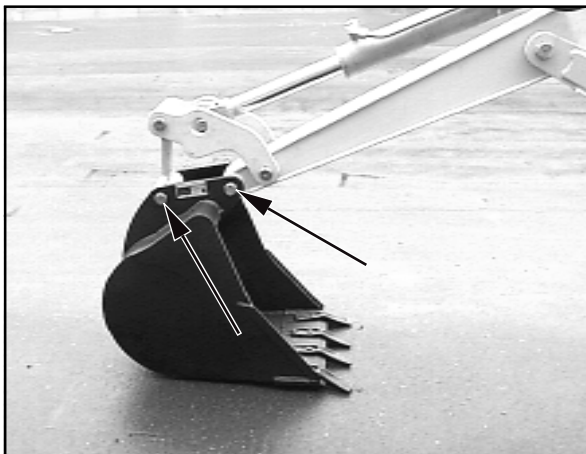


Figure 6-19

(6) Knock out the bearing bolts (6-19/arrows) and remove the shovel.

(7) Mounting is in the reverse order.



NOTE

The type plate of the shovel is on the left outer side.

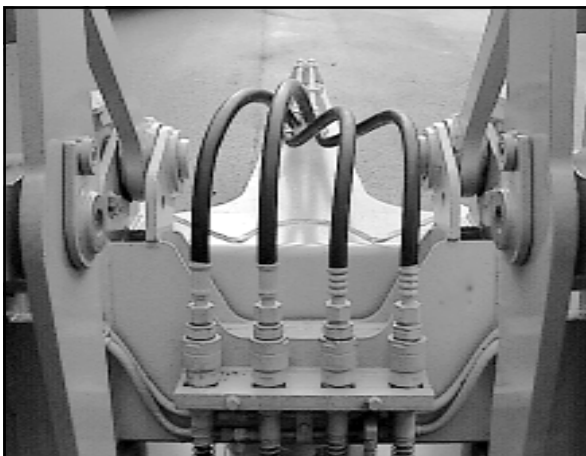


Figure 6-20

6.3.3 Grab bucket



NOTE

- The movements of the grab bucket can be seen in the symbols of the sign for the auxiliary hydraulic system.
- The grab bucket can be turned to the left or right around its vertical axis without limits.

Mounting

The grab bucket is mounted in a manner similar to the multi-purpose bucket (section 6.3.1), except that all four hydraulic hoses of the grab bucket must be connected to the four quick-change couplings of the quick-change device (6-20).



CAUTION

- When making connections, make sure that the hydraulic connections are clean and completely connected and that the colour codings coincide.
- The grab bucket must be set down with the grab scoops open. The spacing plate (6-21/1) welded onto the boom must be inserted between the two grab scoops.
- The end of the boom and the connected hydraulic rotary knob rest on the spacing plate (6-21/2) – which is welded onto the boom for this purpose – which rests on the ground.
- The hose guard (6-21/3) may not be used as a support.

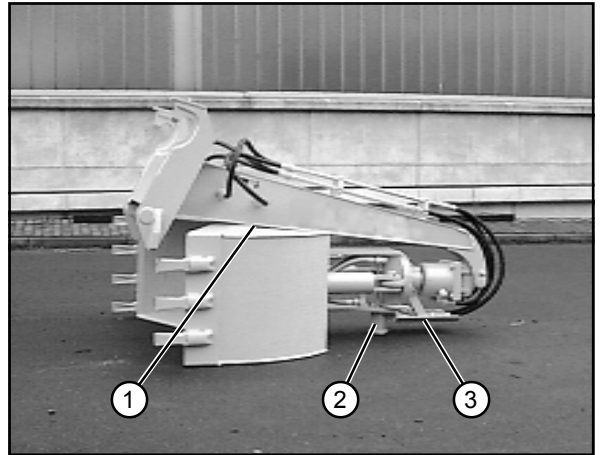


Figure 6-21



NOTE

Improper connection of the hydraulic hoses may mean that movements of the grab bucket do not correspond to the symbols in the sign for the auxiliary hydraulic system.



DANGER

The grab bucket is mounted and locked correctly when it is located next to the quick-change device and the piston rods of the quick-change device cylinder can be plainly seen (6-22/arrow).

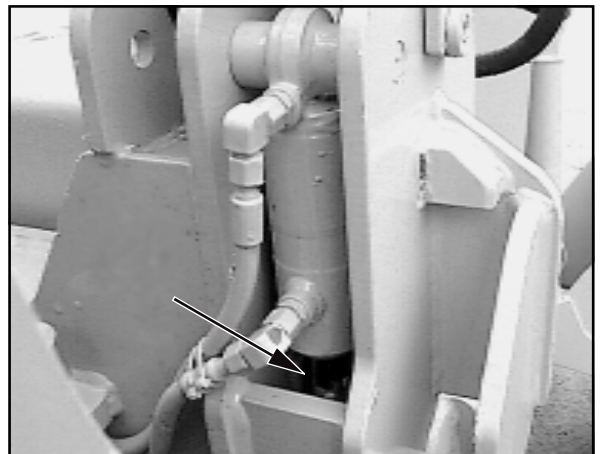


Figure 6-22

Dismounting

Dismounting is carried out in the same way as for the multi-purpose bucket (section 6.3.1).



NOTE

The type plate is on the top side of the boom, near the support.

6.4 Use of additional attachments



DANGER

1. Only those attachments described in these operating instructions may be used.
2. We emphasise that attachments that are not supplied by us are also not tested and approved by us. Use of such products can, under certain conditions, adversely affect the constructional qualities of your loader and thus limit the active and passive driving safety. The manufacturer cannot be held responsible for damage that occurs through the use of such products.