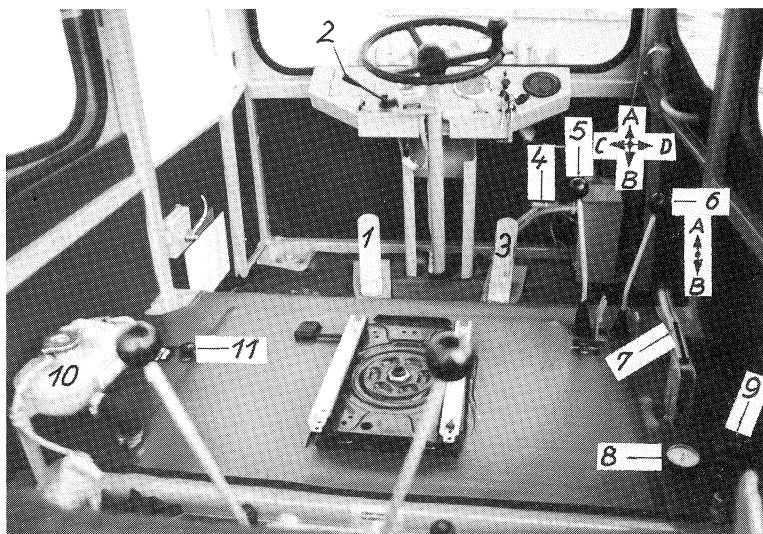
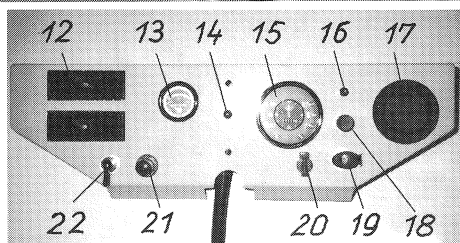


3. Operating- and controlling elements

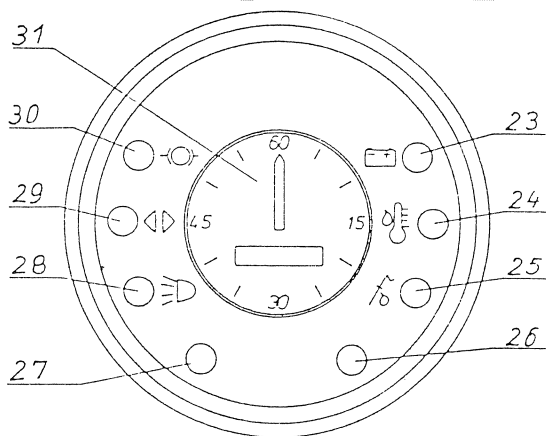
3.1 Operating and controls on the dash-board and in the driver's cabin.



III. 15



III. 16



III. 17

Operating- and controlling elements on the dash-board
and in the driver's cabin

- 1 Brake pedal (service brake and parking brake on slopes)
- 2 Steering column switch
 - Direction-controller "forward - backward"
 - Gear shifting " Travelling gear - Working gear"
- 3 Accelerator pedal
- 4 Valve for radiator (oil cooler heating see ill. 20)
- 5 Control lever for working hydraulics
- 6 Control lever for front auxiliary hydraulics
- 7 Parking brake lever
- 8 Pressure gauge, hydraulic filter (intake)
- 9 Manual throttle (optional)
- 10 Water-tank for cooling system
- 11 Bowden cable, engine cut-off
(with air-cooled engine on the right side of driver's seat)
- 12 Fuse boxes
- 13 Fuel gauge
- 14 Pull-switch, working lights (optional)
- 15 Instrument cluster (Ill. 17)
- 16 Pull switch, heater fan
- 17 Hot air outlet
- 18 Starter pull-switch resp. push-button
- 19 Ignition-light switch
- 20 Socket 12 V
- 21 Pull-switch, emergency flashers
- 22 Indicator switch
- 23 Battery-charging tell-tale (red)
- 24 Temperature, cooling water (red)
resp. engine temperature if air-cooled
- 25 Oil pressure (red)
- 26 Free
- 27 Free
- 28 Full beam (blue)
- 29 Direction indicator (green)
- 30 Parking brake (red)
- 31 Hourmeter
- 32 Pilot valve for backhoe (see backhoe)

Tell-tales

Operating the bucket resp. front-mounted attachments

Working with fitted bucket

Hand lever (ill. 15/5) in direction A - Lowering shovel arm
Hand lever (ill. 15/5) in direction B - Lifting shovel arm
Hand lever (ill. 15/5) in direction C - Tilting bucket
Hand lever (ill. 15/5) in direction D - Dumping bucket

Working with fitted multi-purpose bucket

Hand lever (ill. 15/5) in direction A - Lowering shovel arm
Hand lever (ill. 15/5) in direction B - Lifting shovel arm
Hand lever (ill. 15/5) in direction C - Tilting bucket
Hand lever (ill. 15/5) in direction D - Dumping bucket
Hand lever (ill. 15/6) in direction A - Opening bucket
Hand lever (ill. 15/6) in direction B - Closing bucket

Working with fitted fork-lift

Hand lever (ill. 15/5) in direction A - Lowering shovel arm
Hand lever (ill. 15/5) in direction B - Lifting shovel arm
Hand lever (ill. 15/5) in direction C - Tipping forks
Hand lever (ill. 15/5) in direction D - Tilting forks

Working with fitted high-lift

Hand lever (ill. 15/5) in direction A - Lowering shovel arm
Hand lever (ill. 15/5) in direction B - Lifting shovel arm
Hand lever (ill. 15/5) in direction C - Tipping high-lift
(Press button on lever at the same time)
Hand lever (ill. 15/5) in direction D - Tilting high-lift
Hand lever (ill. 15/6) in direction A - Lowering forks
Hand lever (ill. 15/6) in direction B - Lifting forks

NOTE!

The hydraulic functions can be carried out simultaneously.

Engage the hand brake if the loader is working in a stationary position (ill. 15/7).

Lower bucket to ground and engage hand brake when not actually working with the machine (even if it is only a short break).

3.2 Operating elements in driver's cabin for using the backhoe

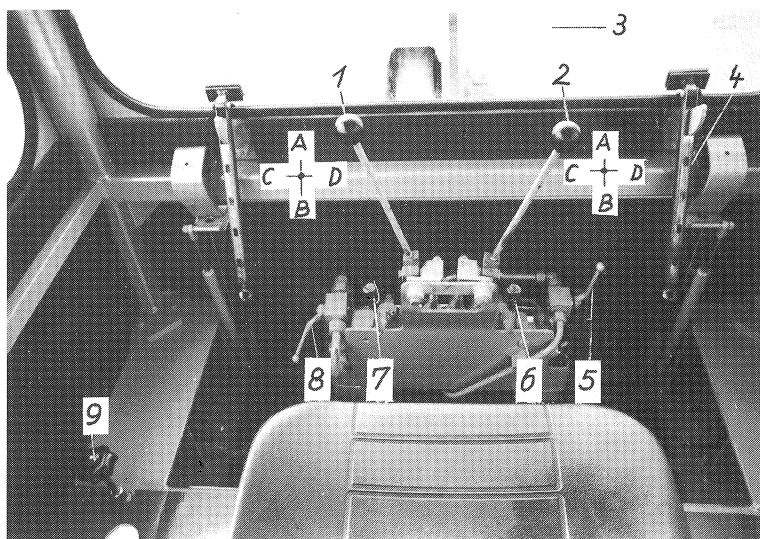


Illustration 18

- 1 Hand lever for boom and bucket
- 2 Hand lever for dipper stick and slewing
- 3 Hinged rear window
- 4 Adjusting guide rail for rear window
- 5 Ball valve for clamping device
- 6 Right backhoe stabilizer
- 7 Left backhoe stabilizer
- 8 Ball valve for using the backhoe (optionally above the right mudguard of the rear frame on the rapid coupling)
- 9 Hand throttle pull-turn button
 - pull in steps locked
 - fine adjusting within the steps by turning



Illustration 19

Using the backhoe

Before the backhoe can be used or the hydraulic power will be needed for attaching unit

- the ball valve (ill. 18/8) has to be opened (is the ball valve installed above the right mudguard then it has to be closed for operation). If there is a longer break with using the backhoe, for example driving on public roads, close the ball valve or open it if the ball valve is above the mudguard.

NOTE!

Hydraulic hoses are connected via rapid couplings with the loader.

- The driver's seat to be turned at 180°.

Hand lever (ill. 18/1) in direction A - Lowering the boom

Hand lever (ill. 18/1) in direction B - Lifting the boom

Hand lever (ill. 18/1) in direction C - Emptying the bucket

Hand lever (ill. 18/1) in direction D - Filling the bucket

Hand lever (ill. 18/2) in direction A - Extending dipperstick

Hand lever (ill. 18/2) in direction B - Folding dipperstick

Hand lever (ill. 18/2) in direction C - Swinging to the left

Hand lever (ill. 18/2) in direction D - Swinging to the right

Hand lever (ill. 18/6) -- Extending resp. folding the right backhoe stabilizer

Hand lever (ill. 18/7) - Extending resp. folding the left backhoe stabilizer

Ball valve (ill. 18/5) for clamping device (lateral shifting)

Loosen the clamping:

- Open the ball valve
- Dump the bucket till to the stop (hand lever//ill.18/1// in direction C).
- Hand lever (ill.18/1) in end position C, hold, and close ball valve.

Lock the clamping:

- Open the ball valve
- Pull the bucket till to the stop (hand lever//ill.18/1// in pos. D).
- Hand lever (ill.18/1) in end position D, hold, and close ball valve.

NOTE!

When the clamps are loosened, the backhoe can be shifted to the side. For this the boom will be lowered till the bucket touches the ground. By means of the hydraulic force and bucket supporting the backhoe will be shifted laterally (ill.19).

ATTENTION!

Use the backhoe only after extending both backhoe stabilizers and standing on hard ground.