Technical data

Dimensions

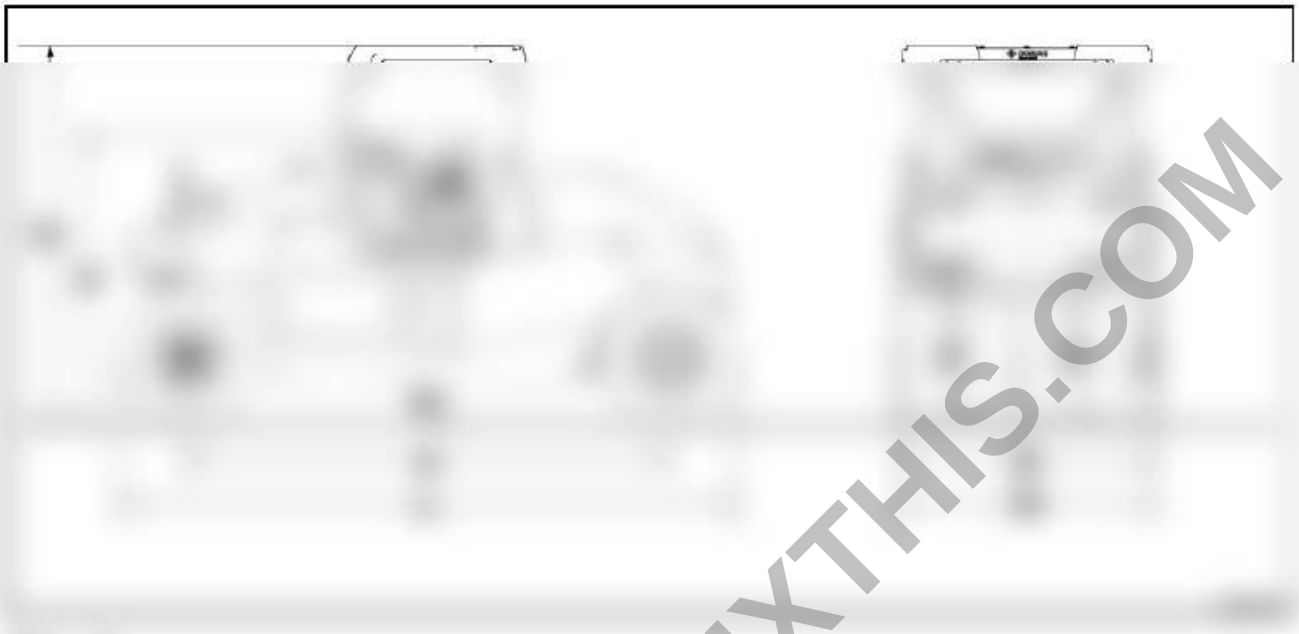


Fig. 1

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4.1 Driver’s stand

4.1.1 Instrument cluster

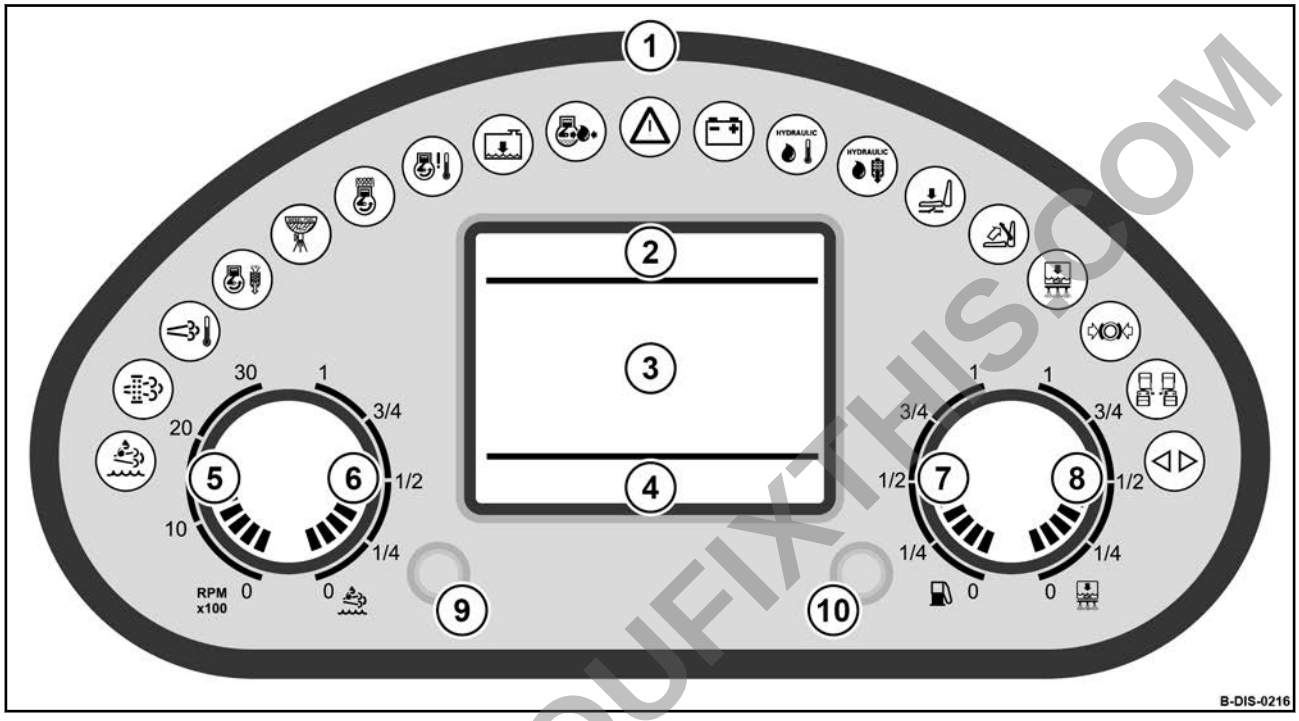


Fig. 37

1 Control and warning lamps
2 not used
3 INFO 2 display field
4 INFO 1 display field
5 Engine rpm-meter
6 AdBlue®/DEF level gauge
7 Fuel level gauge
8 Water level gauge
9 Function key *[F1]*
10 Function key *[F2]*

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8.6 Maintenance Table

No.	Maintenance works	Page
	Every 250 operating hours	
8.7.1	*Cleaning the radiator module*	*169*
8.7.2	*Checking the oil level in the travel gear*	*171*
8.7.3	*Check the parking brake*	*172*
8.7.4	*Compressor for tyre inflation system - air filter maintenance*	*172*
	Every 500 operating hours	
8.8.1	*Running regeneration at standstill*	*173*
8.8.2	*Change engine oil and oil filter cartridge*	*176*
8.8.3	*Replacing the fuel filter, bleeding the fuel system*	*179*
8.8.4	*Renewing the AdBlue®/DEF filter*	*183*
8.8.5	*Service the belt drive*	*184*
8.8.6	*Checking the anti-freeze concentration and the condition of the coolant*	*188*
8.8.7	*Checking the hydraulic lines*	*189*
8.8.8	*Servicing the battery, checking the main battery isolation*	*191*
8.8.9	*Service the air conditioning*	*192*
8.8.10	*Check steering for wear*	*194*
8.8.11	*Compressor for tyre inflation system - changing the oil*	*195*
	Every 1000 operating hours	
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8.9.2	*Checking the engine mounts*	*199*
8.9.3	*Replacing the hydraulic oil filter*	*199*
8.9.4	*Retighten the wheel studs*	*202*
8.9.5	*Checking the ROPS*	*202*
8.9.6	*Checking the travel control*	*203*

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9.1 Preliminary remarks

Malfunctions are frequently caused by incorrect operation of the machine or insufficient maintenance. Whenever a fault occurs you should therefore thoroughly read these instructions on correct operation and maintenance.

If you cannot locate the cause of a fault or rectify it yourself by following the trouble shooting chart, you should contact our customer service department.

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3.1.2 Explanation of signal words used:



DANGER!

Danger to life if failing to comply!

Sections marked accordingly indicate an extremely dangerous situation that could lead to fatal or severe injuries, if this warning is disregarded.



WARNING!

Danger to life or danger of severe injuries if failing to comply!

Sections marked accordingly indicate a dangerous situation that could lead to fatal or severe injuries, if this warning is disregarded.



CAUTION!

Danger of injury if failing to comply!

Sections marked accordingly indicate a dangerous situation that could lead to fatal or severe injuries, if this warning is disregarded.



NOTICE!

Danger of material damage if failing to comply!

Sections marked accordingly indicate possible dangers for machines or components.

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In case of unusual noises and development of smoke perform trouble shooting and have the fault corrected.

Match the speed to the working conditions.

Do not make extreme steering movements when driving with high speed, danger of tipping over!

Always give way to loaded transport vehicles.

Switch the lights on if the visibility is poor.

Always keep a safe distance to excavation pit borders, embankments and edges.

Refrain from any work that could adversely affect the stability of the machine.

Always keep a sufficient distance when passing through subways, under bridges, tunnels, electric power lines etc.

3.7.3 Driving on gradients and slopes

Do not drive on gradients exceeding the maximum gradability of the machine ↬ *Chapter 2 „Technical data“ on page 13*.

Drive extremely carefully on gradients and always directly up or down the slope.

Soil conditions and weather influences impair the gradability of the machine.

Wet and loose soils considerably reduce ground adhesion of the machine on gradients and slopes. Higher risk of accident!

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4.2.4 Monitor for reversing camera

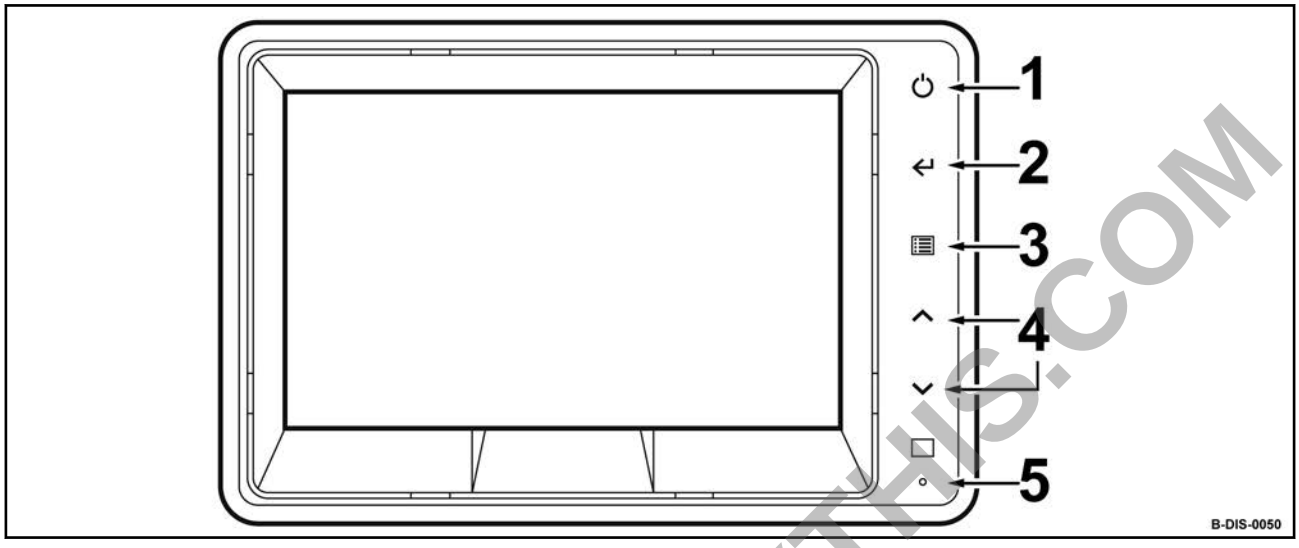


Fig. 66

Pos.	Designation	Note
1	Button on/off	
2	Push button for camera selection	Within menus to confirm the selection.
3	Push button for menu selection	Press briefly (approx. 0.5 s), to change to the "DISPLAY MENU". Press long (approx. 2 s), to change to the "MAIN MENU".
4	Push button arrow up and push button arrow down	Change the selection in a menu.
5	Light sensor	

Optional equipment

Clean the screen only with a soft, possibly damp cloth.

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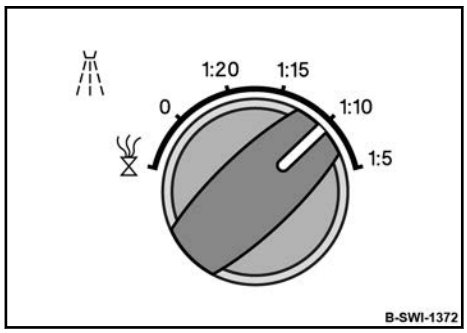


Fig. 117

2. Adjust the emulsion mixing ratio:

Position “0”	only water
Position “1:20” - “1:5”	Different mixing ratios

When the rotary switch for emulsion is in position “left” (purge), spraying is deactivated.

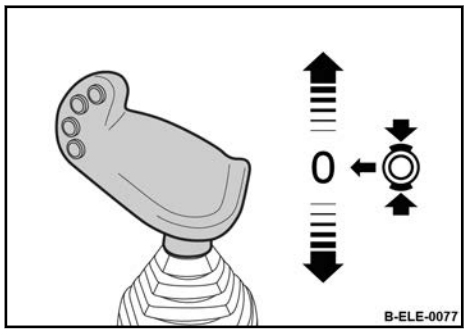


Fig. 118

3. Shift the travel lever to the desired travel direction.

⇨ Spraying starts as soon as the machine is moving.

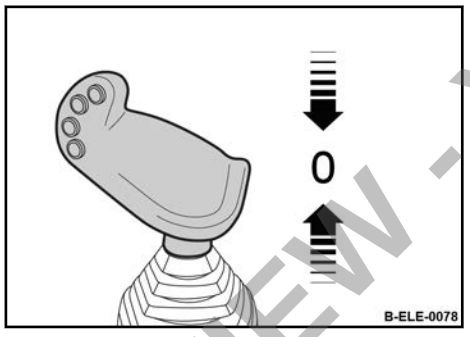


Fig. 119

4. Return the travel lever to “Middle” position.

⇨ Spraying is stopped after a short time.

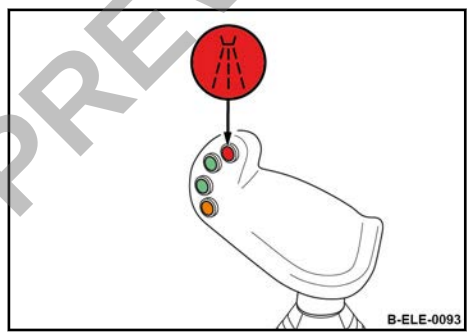


Fig. 120

5. Press the push button for spraying to initiate an additional spraying pulse when the machine is driving or at a standstill.

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Cleaning with cleaning agent



WARNING!

Danger of injury caused by exploding component!

– Do not clean the condenser in the air conditioning system with a hot water jet.

NOTICE!

Electric components can be damaged by water entering into the system!

– Protect electrical equipment such as generator, regulator and starter against the direct water jet.

1. Spray radiator and air conditioning condenser with a suitable cleaning agent, e.g. cold cleanser, let it soak in for a while and spray it off with a strong water jet.
2. Run the engine warm for a while to avoid corrosion.

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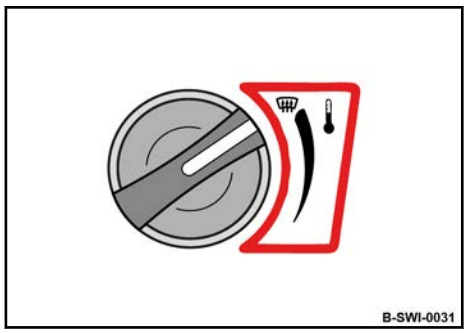


Fig. 209

17. Set maximum cabin temperature.

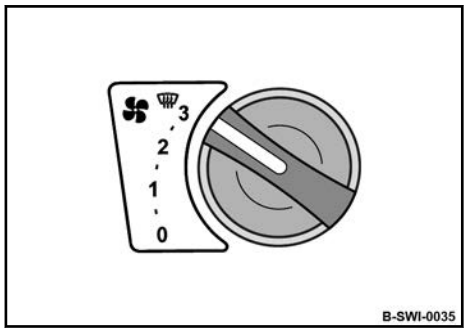


Fig. 210

18. Set maximum fan speed.
19. Start the engine ↪ *Chapter 6.2 „Starting the engine“ on page 117*.
20. Run the machine with idle speed until operating temperature has been reached and the thermostat opens.
21. As soon as the thermostat has opened, run the engine for approx. one minute at high speed.
22. Shut down the engine, pull off the ignition key.
23. Allow the engine to cool down.

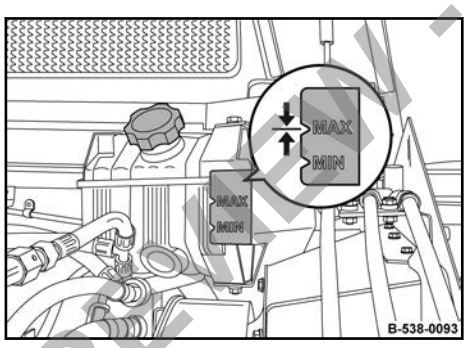


Fig. 211

24. With the engine cooled down check the oil level on the dipstick, if necessary top up to the “MAX” mark.
25. Dispose of the coolant in an environmentally friendly way.

8.10.3 Changing the oil in the travel gear

Perform this maintenance work at the latest after one year.

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