4.1 Driver’s stand

4.1.1 Instrument cluster

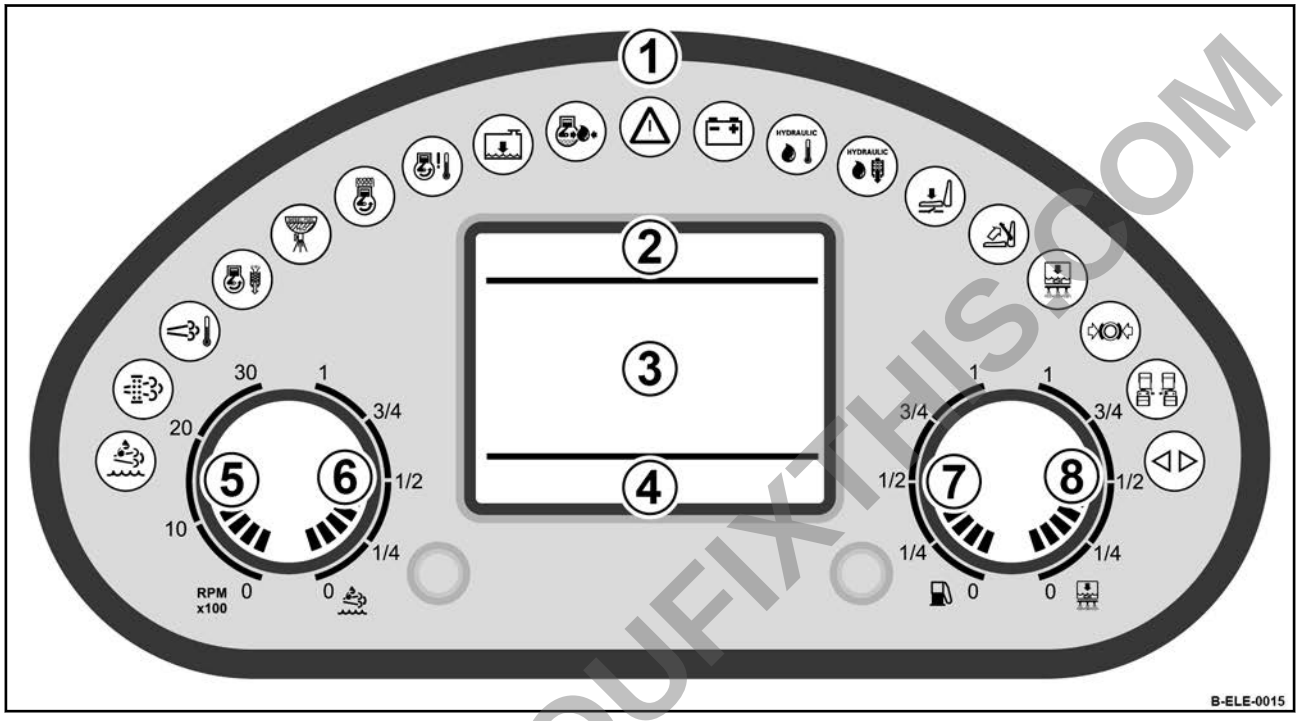


Fig. 32

1 Control and warning lamps
2 INFO 3 display field
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

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9.6 Maintenance Table

No.	Maintenance works	Page
	Every 250 operating hours	
9.7.1	*Checking, tensioning the V-belt for the generator system*	*206*
9.7.2	*Cleaning the radiator module*	*208*
9.7.3	*Check the parking brake*	*210*
	Every 500 operating hours	
9.8.1	*Running regeneration at standstill*	*211*
9.8.2	*Change engine oil and oil filter cartridge*	*214*
9.8.3	*Replacing the fuel filter, bleeding the fuel system*	*216*
9.8.4	*Renewing the AdBlue®/DEF filter*	*219*
9.8.5	*Replacing the air conditioning compressor V-belts*	*221*
9.8.6	*Checking the anti-freeze concentration and the condition of the coolant*	*221*
9.8.7	*Checking the hydraulic lines*	*222*
9.8.8	*Servicing the battery, checking the main battery switch*	*224*
9.8.9	*Checking the oil level in the exciter housing*	*225*
9.8.10	*Service the air conditioning*	*227*
	Every 1000 operating hours	
9.9.1	*Checking the ribbed V-belt*	*229*
9.9.2	*Checking the engine mounts*	*231*
9.9.3	*Intercooler, draining oil and condensation water*	*231*
9.9.4	*Replacing the hydraulic oil filter*	*232*
9.9.5	*Change the oil in the exciter housing*	*235*
9.9.6	*Checking the ROPS*	*236*
9.9.7	*Checking the travel control*	*237*
9.9.8	*Cleaning the circulation air filter of the heating*	*238*
9.9.9	*Changing the fresh air filter in the cabin*	*238*

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10 Troubleshooting

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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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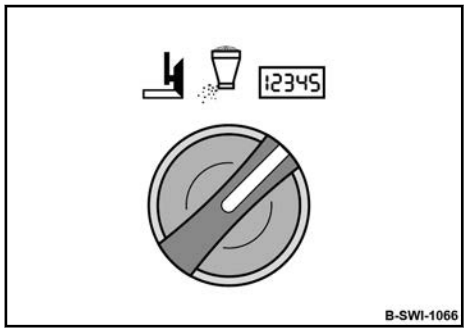
When lifting the machine, avoid uncontrolled movements of the load. If necessary, hold the load with guide ropes.

After the transport loosen the articulation lock again, as otherwise the machine would not be steerable.

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4.1.3.2.3 Push button assignment with rotary switch in position "Right"



Operation of:

- Vibration
- Display fields

Fig. 54

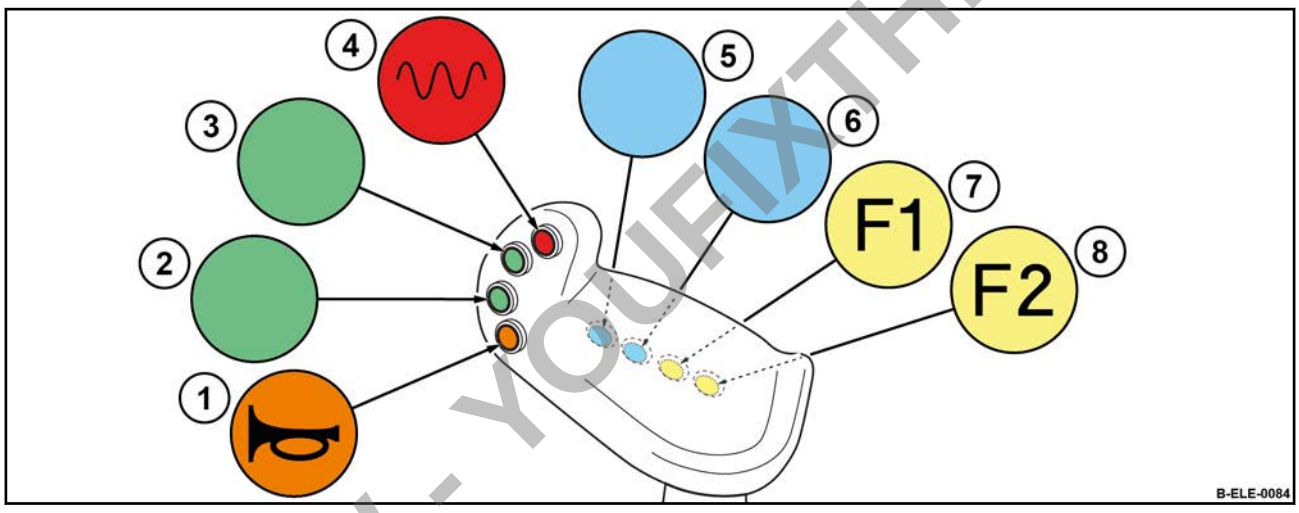


Fig. 55

Pos.	Designation	Note
1	Push button for warning horn	
2 - 3	not used	
4	Push button for vibration	Vibration on/off
5 - 6	not used	
7	Function key *[F1]*	Switch over the INFO 1 display field
8	Function key *[F2]*	Switch over the INFO 2 display field

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6.2 Visual inspections and function tests

1. Check hydraulic oil tank and lines for condition and leaks.
2. Check fuel tank and lines for condition and leaks.
3. Check AdBlue®/DEF-tank and lines for condition and leaks.
4. Check cooling system for contamination, damage and leaks.
5. Check bolted connections for tight fit.
6. Check engine and exhaust system for leaks.
7. Check belt drive for damage.
8. Check machine for contamination and damage.
9. Check function of steering.
10. Check function of brakes.
11. Check emergency stop function.
12. Check function of backup alarm system.
13. Check function of seat contact switch.

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7.13 ECOSTOP

Optional equipment

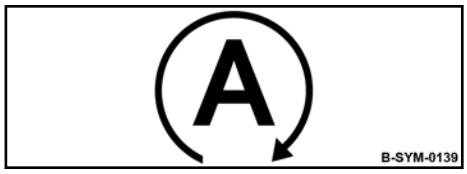


Fig. 173

In order to reduce the idle speed times of the machine, the engine is, under certain conditions, automatically shut down after an idle time of 10 minutes.

The ECOSTOP control light lights up.

Prerequisites for automatic shut-down of the engine:

- Travel lever in parking brake position
- Driver's seat not occupied
- Hydraulic oil temperature between 50 - 90 °C (122 - 194 °F)
- Coolant temperature between 60 - 90 °C (140 - 194 °F)
- Engine idle speed
- Regeneration at standstill does not work (on machines with exhaust gas aftertreatment system)

NOTICE!

The battery can become partly or fully discharged!

After the engine has been shut down, ignition and possibly other consuming devices (e.g. lighting, seat heating) may still be switched on.

– If necessary, switch off consuming devices and ignition.

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10. Dispose of oil in an environmentally friendly way.

9.10.3 Changing the coolant

Perform this maintenance work at the latest after two years.

Do not start the engine after draining off the coolant.

In case of lubrication oil entering into the cooling system or a suspicious turbidity caused by corrosion residues or other suspended matter, the coolant must be drained off and the complete cooling system needs to be cleaned.

Oil can damage the sealing materials used in the cooling system.

If oil has entered, you must add a cleansing agent in order to remove any residues from the system. Follow the instructions of the manufacturer! If in doubt, consult your Customer Service or the engine manufacturer.

When changing the coolant without any signs of contamination, cleaning of the cooling system is not necessary.

NOTICE!

Danger of engine damage!

- Use only coolant of the permitted specification ↳ *Chapter 9.3.4 „Coolant“ on page 196*.
- Do not mix different coolants and additives of any other kind.
- Filling quantity: ↳ *Chapter 9.4 „List of fuels and lubricants“ on page 201*

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