Technical data

Dimensions



Fig. 1

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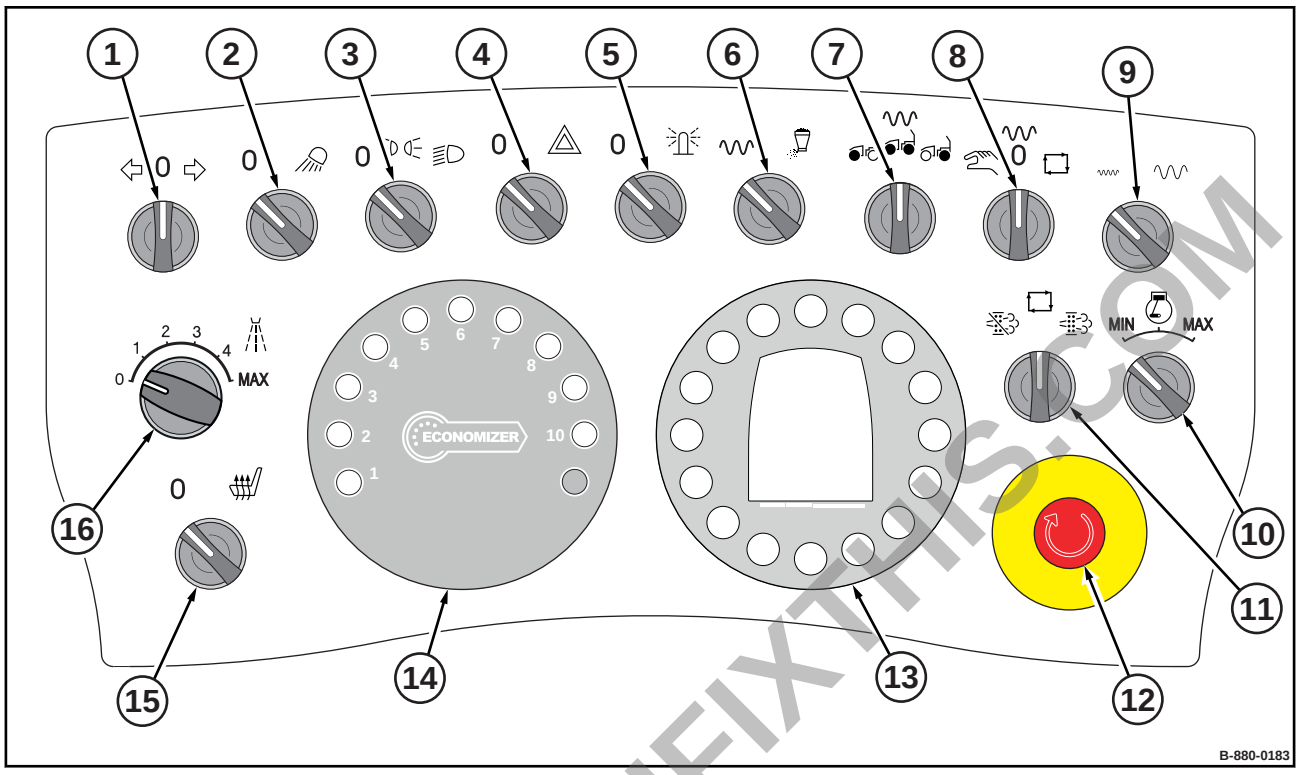


Fig. 32: Overview of operating console

1 Rotary switch for direction indicators *(optional equipment)*
2 Rotary switch for working lights
3 Rotary switch for lighting *(optional equipment)*
4 Rotary switch for hazard light system *(optional equipment)*
5 Rotary switch for flashing beacon *(optional equipment)*
6 Rotary switch for push button assignment of travel lever *(optional equipment)*
7 Rotary switch for drum pre-selection
8 Rotary switch for vibration pre-selection
9 Rotary switch for amplitude pre-selection
10 Rotary switch for engine speed
11 Rotary button for regeneration
12 Emergency stop switch
13 Instrument cluster
14 Economizer display *(optional equipment)*
15 Rotary switch for seat heating *(optional equipment)*
16 Rotary switch for water spraying system

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6.4.2 Driving the machine

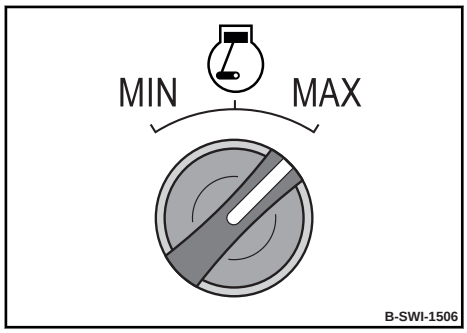


Fig. 79

1. Fasten your seat belt.
2. Turn the rotary switch for engine speed to position “Middle” or “Right”.

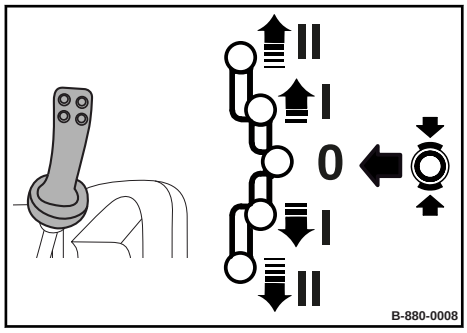


Fig. 80

3. Disengage the travel lever out of braking position and move it slowly to the desired travel direction.

6.4.3 Stopping the machine, applying the parking brake

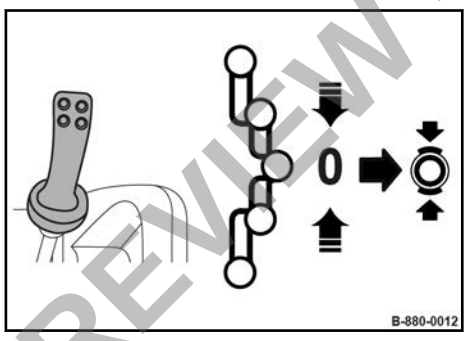


Fig. 81

1. Shift the travel lever to “Middle” position and engage it in parking brake position.

   ⇨ The machine will decelerate down to standstill and the parking brake will be applied after approx. 2 seconds.

   The parking brake warning lamp lights up.

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8.6 Maintenance Table

No.	Maintenance works	Page
	Every 50 operating hours	
8.7.1	*Checking radiator hoses and hose clamps*	*177*
8.7.2	*Checking and cleaning the water separator*	*177*
8.7.3	*Lubricating the chip spreader*	*178*
	Every 250 operating hours	
8.8.1	*Checking, tensioning the V-belt*	*179*
8.8.2	*Check the air intake lines*	*180*
8.8.3	*Checking radiator hoses and hose clamps*	*180*
8.8.4	*Cleaning the radiator module*	*181*
8.8.5	*Battery service*	*183*
8.8.6	*Check the parking brake*	*183*
8.8.7	*Checking the protective canopies*	*184*
	Every 500 operating hours	
8.9.1	*Change engine oil and oil filter cartridge*	*185*
8.9.2	*Replacing the fuel filter; bleeding the fuel system*	*187*
8.9.3	*Replacing the V-belt*	*190*
8.9.4	*Checking the anti-freeze concentration and the condition of the coolant*	*191*
8.9.5	*Checking the hydraulic lines*	*191*
	Every 1000 operating hours	
8.10.1	*Checking, adjusting the valve clearance*	*193*
8.10.2	*Checking the lines on the diesel engine*	*193*
8.10.3	*Checking the exhaust manifold*	*193*
8.10.4	*Checking the engine mounts*	*194*
8.10.5	*Checking the ROPS*	*194*
8.10.6	*Checking the travel control*	*195*
8.10.7	*Replacing the hydraulic oil filter*	*195*

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10.5 Engine faults

Fault	Possible cause	Remedy
Engine does not start	Fuel tank empty	Refuel, bleed the fuel system
	Fuel filter clogged, in winter due to paraffin separation	Change the fuel filter, use winter fuel
	Fuel lines leaking	Check all line connections for leaks and tighten the fittings, bleed the fuel system
	Battery not charged or not connected	Tighten the terminal clamps on the battery, check all cable connections.
	Starter defective	Have examined by a specialist
Poor starting of engine or engine works irregularly with poor power	Battery power too low, terminal clamps loose or oxidized causing the starter to turn too slowly	Check the battery charge condition, clean the terminal clamps, tighten and cover them with acid-free grease
	Fuel supply too low, fuel system clogged by paraffin separation during winter	Replacing the fuel filter Check all line connections for leaks and tighten the fittings, bleed the fuel system Use winter fuel in winter
	Engine oil with wrong SAE viscosity class	Change the engine oil
	Air filter dirty	Clean, replace if necessary
	Turbo charger defective	Have examined by a specialist
Excessive exhaust smoke	Engine oil level too high	Check, drain off if necessary
	Air filter dirty	Clean, replace if necessary
	Poor compression because of burned or broken compression rings	Have examined by a specialist

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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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3.8 Refuelling

Do not inhale any fuel fumes.

Refuel only with the engine shut down.

Do not refuel in closed rooms.

No open fire, do not smoke.

Static charges may be generated in the fuel as it passes through the filling system. The discharge of these charges in the presence of combustible vapours can cause fire or an explosion.

Ultra-low sulphur diesel fuel poses a higher risk of combustion caused by the static charging than diesel fuel with a higher sulphur content.

You should therefore always make sure that the filling system is properly grounded and that there is equipotential bonding to the machine. If necessary use a connecting cable between filling system and vehicle ground.

Monitor the entire refuelling process.

Do not spill any fuel. Collect leaking fuel, do not let it seep into the ground.

Wipe off spilled fuel. Keep dirt and water away from the fuel.

A leaking fuel tank can cause an explosion. Ensure tight fit of the fuel tank cover, if necessary replace immediately.

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Protective equipment:

- Working clothes
- Safety shoes
- Protective gloves

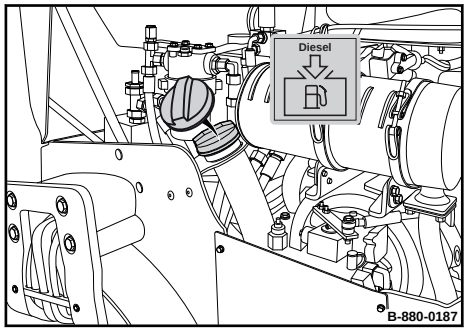


Fig. 59

1. Clean the area around the filling port.
2. Unscrew the cap and fill with fuel.
3. Close the cap.

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8.10 Every 1000 operating hours

8.10.1 Checking, adjusting the valve clearance

This work must only be performed by authorized service personnel.

8.10.2 Checking the lines on the diesel engine

This work must only be performed by authorized service personnel.

Perform this maintenance work at the latest after one year.

Check the following lines:

- Lines of the exhaust gas recirculation system,
- DPF-lines,
- lines of the lubrication system.

8.10.3 Checking the exhaust manifold

This work must only be performed by authorized service personnel.

Perform this maintenance work at the latest after one year.

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