4.1 Driver's stand

4.1.1 Operating consoles

Operating console, left

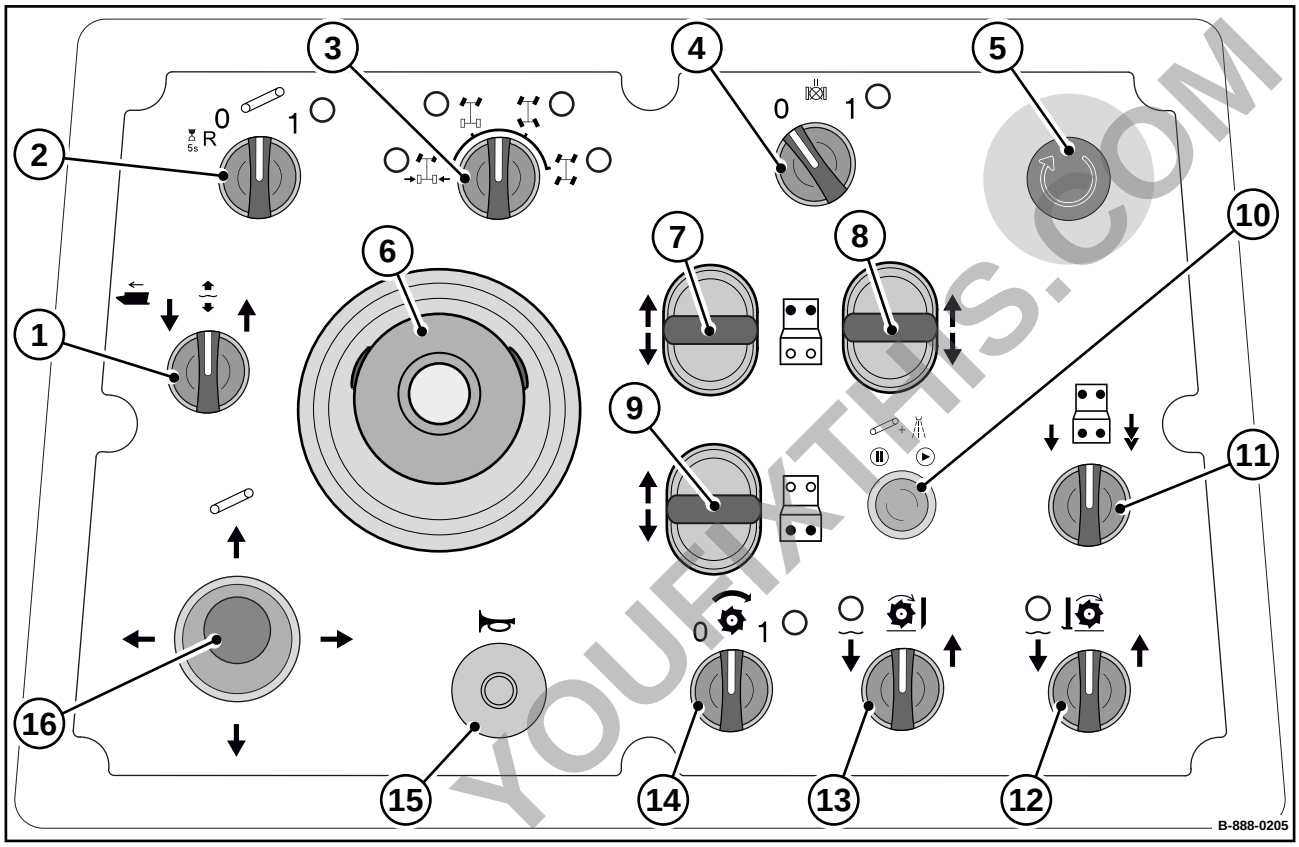


Fig. 54

1 Rotary button for left side plate
2 Rotary button for conveyor belt
3 Rotary button for steering mode selection
4 Rotary button for differential lock
5 Emergency stop switch
6 Travel and steering lever
7 Control lever for height adjustment, front left
8 Control lever for height adjustment, front right
9 Control lever for rear height adjustment
10 Push button for work break
11 Rotary button to lower machine
12 Rotary button for hold-down
13 Rotary button for scraper
14 Rotary button for milling drive
15 Push button for warning horn
16 Control lever for conveyor belt

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6.1 Setting up the workplace

1. Park the machine in secured condition *Chapter 6.6 „Parking the machine in secured condition“ on page 156*.

6.1.1 Adjusting the driver’s seat

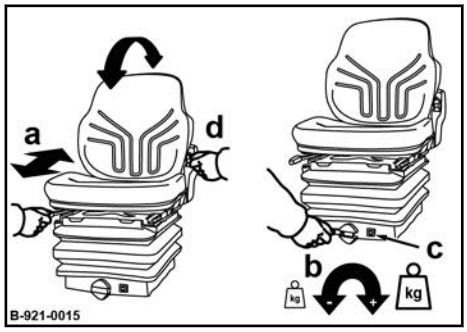


Fig. 194

a Length adjustment
b Weight adjustment
c Display of weight adjustment
d Backrest inclination

1. To adjust the inclination of the backrest operate lever (d) and tilt the backrest forward or back.
2. To adjust the seat in longitudinal direction disengage lever (a) and push the seat forward or back.
3. To adapt to the weight of the operator read the weight indication in the window (c) and, if necessary, turn lever (b) until the correct driver's weight has been adjusted.

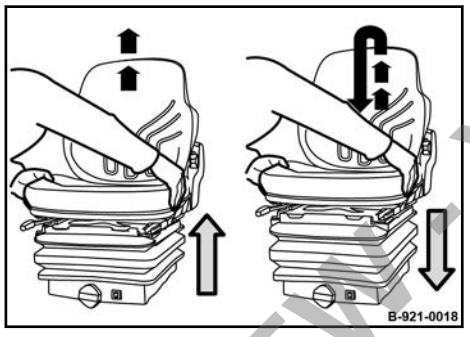


Fig. 195

4. To adjust the seat height lift up the seat, until it locks at the appropriate height.

When lifting the seat completely it will sink down to lowest position.

6.1.2 Turning and swivelling the seat console

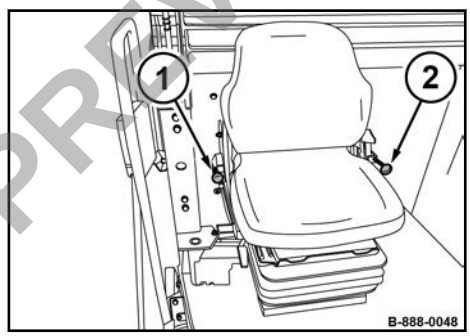


Fig. 196

1 To turn the seat console

1. Pull the lever (1) up and turn the seat console to the desired direction.
2. Pull the lever (2) up and swivel the seat console to the desired position.

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8.1 Preliminary remarks and safety notes

DANGER!

Danger to life caused by an operationally unsafe machine!

- The machine must only be serviced by qualified and authorized personnel.
- Follow the safety regulations for maintenance work *Chapter 3.10 „Maintenance work“ on page 43*.

WARNING!

Health hazard caused by fuels and lubricants!

- Safety regulations and environmental protection regulations must be followed when handling fuels and lubricants *Chapter 3.4 „Handling fuels and lubricants“ on page 27*.

Wear your personal protective equipment.

Do not touch hot components.

Park the machine on horizontal, level, firm ground.

Perform maintenance work only with the engine shut down.

Make sure that the engine cannot be accidentally started during maintenance work.

Thoroughly clean machine and engine before starting maintenance work.

Before mounting the machine, check whether all access steps, grips and platforms are free of obstacles, grease, oils, fuel, dirt, snow and ice.

Use only the intended access steps and grips to mount the machine.

For overhead maintenance work use the access steps and working platforms provided or other secure means.

Do not step on machine parts which are not intended for this purpose.

Do not leave any tools or other objects, that could cause damage, in or on the machine.

After maintenance work has been completed, dispose of fuels and lubricants, filters, sealing elements and cleaning cloths in an environmentally friendly way.

After all maintenance work is completed reinstall all guards and safety installations.

Close all maintenance flaps and doors after maintenance work has been completed.

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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 Basic prerequisites

3.1.1 General

This BOMAG machine has been built in compliance with the latest technical standard and complies with the applicable regulations and technical rules.

However, dangers for persons and property may arise from this machine, if:

- it is used for purposes other than the ones it is intended for,
- it is operated by untrained personnel,
- it is changed or converted in an unprofessional way,
- the safety instructions are not observed.

Each person involved in the operation, maintenance and repair of the machine must therefore read and comply with these safety regulations. If necessary, the operating company must obtain the relevant signatures as confirmation.

Furthermore, the following obviously also applies:

- applicable accident prevention instructions,
- generally accepted safety and road traffic regulations,
- country specific safety regulations.

It is the duty of the operator to be acquainted with the safety regulations and to apply these accordingly. This also applies for local regulations and regulations concerning different types of handling activities. Should the recommendations in these instructions be different from the regulations valid in your country, you must comply with the safety regulations valid in your country.

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.

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3.4.3 Safety regulations and environmental protection regulations for handling oil

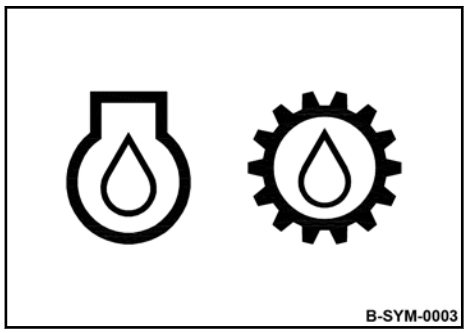


Fig. 6

WARNING!

Danger of burning by ignited oil!

– Do not allow oil to come into contact with hot components.
– Smoking and open fire is prohibited!
– Wear your personal protective equipment (protective gloves, protective clothing).

CAUTION!

Health hazard caused by contact with oil!

– Wear your personal protective equipment (protective gloves, protective clothing).
– Do not inhale any oil vapours.
– Avoid contact.

CAUTION!

Danger of slipping on spilled oil!

– Immediately bind spilled oil with an oil-binding agent.

ENVIRONMENT!

Oil is an environmentally hazardous substance!

– Always keep oil in proper containers.
– Immediately bind spilled oil with an oil-binding agent.
– Dispose of oil and oil filter according to regulations.

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Warning sticker - Explosion hazard battery

Fig. 30



Prohibition sticker - High pressure cleaning

Fig. 31



Prohibition sticker - Entering and exiting the machine during travel

Fig. 32



Instruction sticker - Wear ear defenders

Fig. 33

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	Designation	Note
	Engine oil pressure warning light	Lights up if the engine oil pressure is too low. The engine is shut down after approx. 10 seconds. Check the engine oil level; if necessary, repair the engine.
	Coolant level warning light	Flashes if the coolant level is too low. The engine is shut down after approx. 20 seconds. Check coolant level, check cooling system for leaks; repair if necessary.
	Coolant temperature warning light	Flashes if the engine overheats, warning buzzer sounds. Run the engine with idle speed or shut it down if necessary; clean engine oil cooler and radiator; if necessary, repair the engine.
	Hydraulic oil temperature warning light	Flashes if the hydraulic oil temperature is too high. The warning buzzer sounds, the engine is shut down after 2 minutes. Clean the hydraulic oil cooler.
	Air filter warning light	Lights up if the air filter is blocked. Clean or replace the air filter.
	Work break warning light	Lights up if the work break push button has been pressed and the corresponding function activated.
	Warning light indicating lifting column height limit is deactivated	Lights up when the lifting column height limit is deactivated. Travel speed is limited.

Central display area

	Designation	Note
	Automatic engine shutdown warning light	Lights up when the engine is switched off by the engine control unit.
	Control warning light	Lights up if severe control faults occur.
	Warning light of emergency stop switch	Lights up if one of the emergency stop switches has been actuated.
	Warning light for water filling pump	Lights up when the water filling pump is switched on. The engine speed is set to a fixed value. The milling drum is switched off.

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5.7.3 Checking the water level

When the water tank is empty the warning buzzer will sound and the pump is switched off.

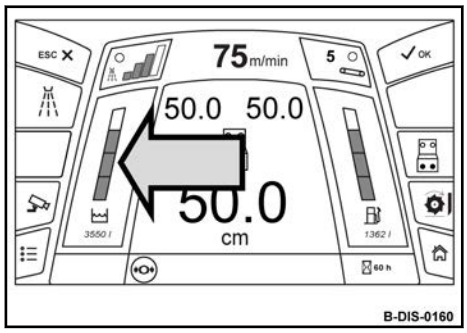


Fig. 141

1. Check the filling level in the water level gauge.
2. Top up if required.

5.7.3.1 Topping up water with the water filling pump

Protective equipment:
- Working clothes
- Protective gloves

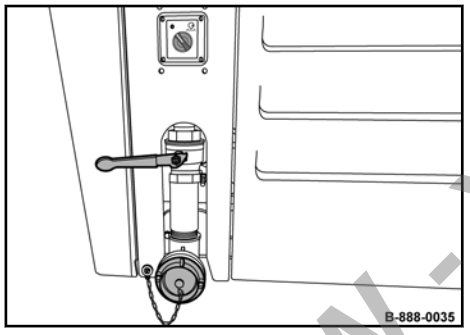


Fig. 142

1. Connect the water hose.
2. Open the ball valve.

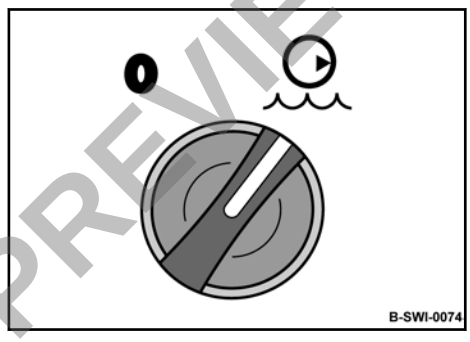


Fig. 143

3. Turn the rotary switch for the water filling pump to position "Right".
   ⇨ The auxiliary motor (Hatz) is started.
   The water pump now fills up the water provision.
4. Close the ball valve again after filling.

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Fold down roof

NOTICE!

Components may get damaged!

– Before folding down the roof you must fold down the backrest of the driver's seat and lower the three operating consoles on the operator's platform.

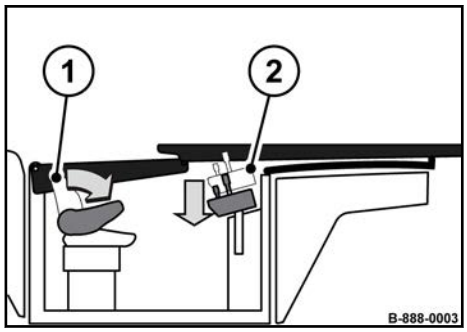


Fig. 199

1. Fold down the backrest (1) of the driver's seat.
2. Lower all operating consoles (2) to the lowest position.

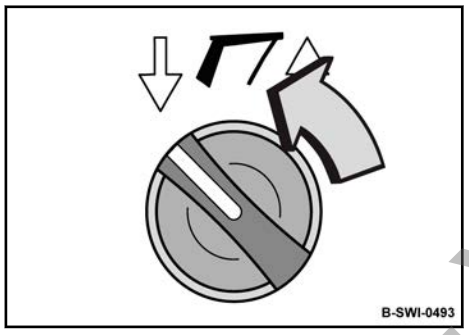


Fig. 200

3. Actuate the rotary button for the roof to the left and hold it, until the roof is completely folded.

Fold up roof

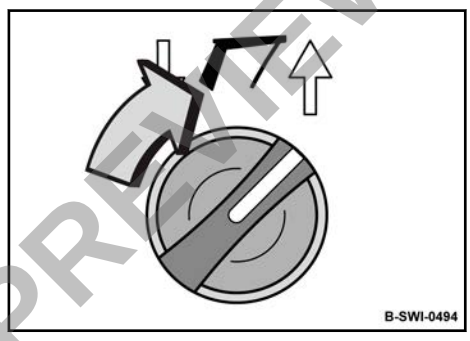


Fig. 201

1. Actuate the rotary button for the roof to the right and hold it, until the roof is completely folded up.

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6.7 Operating the scraper

For most applications the scraper is pressed down in floating position with an adjustable pre-pressure.

On soft ground the scraper may be fixed to make sure that it will not dig in.

Switching the scraper to floating position

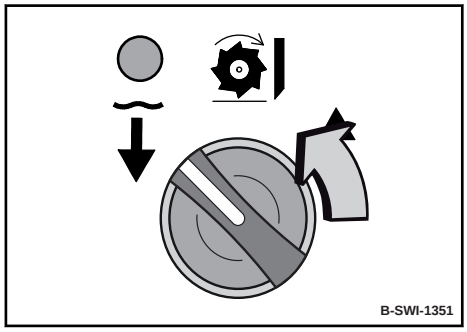


Fig. 270: Rotary button for scraper in operating console on driver's stand

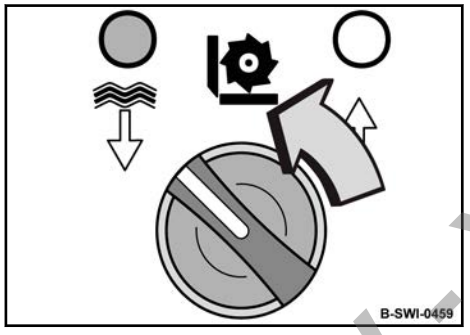


Fig. 271: Rotary button for scraper in rear operating console

1. Turn the scraper rotary button briefly to the left.

   ⇨ The scraper is in floating position. The left LED lights up.

   The scraper is loaded with an adjustable pressure.

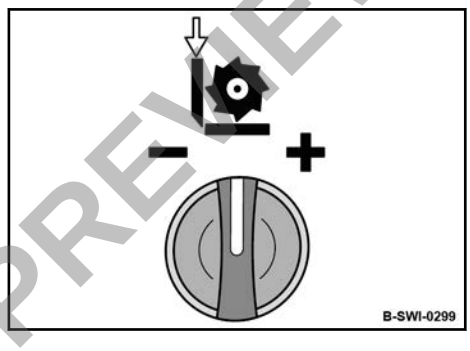


Fig. 272

2. Turn the rotary button for scraper pressure on the rear operating console to increase or reduce the pressure, until the scraper produces a clean surface.

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6.13 Operating the camera

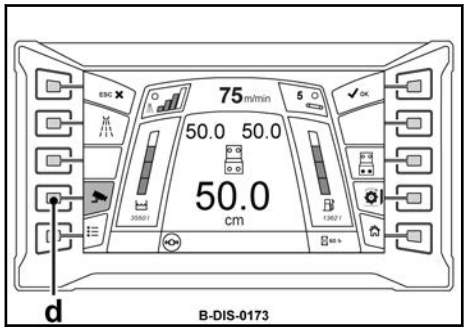


Fig. 334

1. Press the selection button *[d]*.

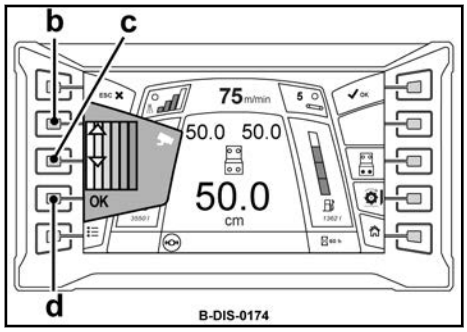


Fig. 335

2. Press the selection buttons *[b]* or *[c]* to choose the desired camera.
3. Press the selection button *[d]* to confirm the chosen camera.
   ⇨ The selected camera fills the display.

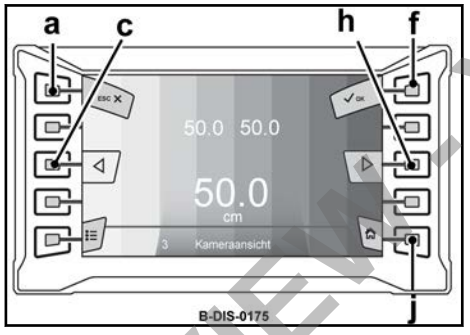


Fig. 336

4. Press the selection buttons *[c]* or *[h]* to toggle between the cameras.
5. Press selection buttons *[a]*, *[f]* or *[j]* to exit the camera view.

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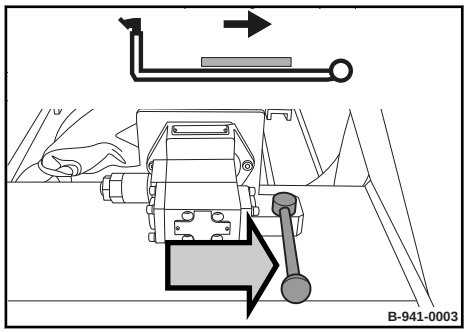


Fig. 406

7. Push the sliding carriage control lever to the right and move the sliding carriage backwards.

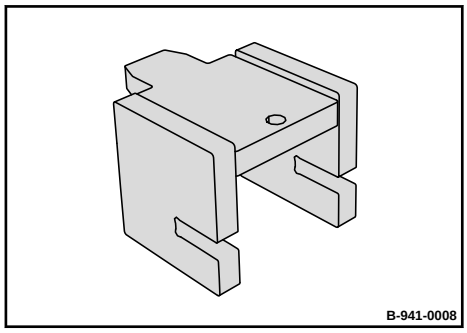


Fig. 407

8. Remove the two locking mechanisms from the rear position and put to one side.

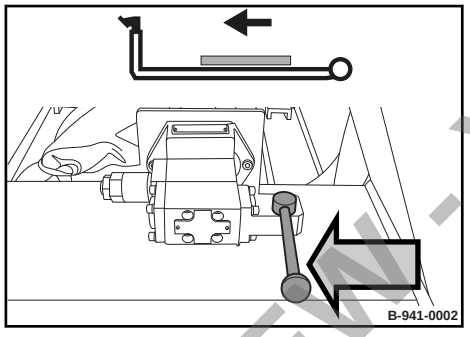


Fig. 408

9. Push the sliding carriage control lever to the left and move the sliding carriage completely forwards.

Deactivating the lifting column height limitation

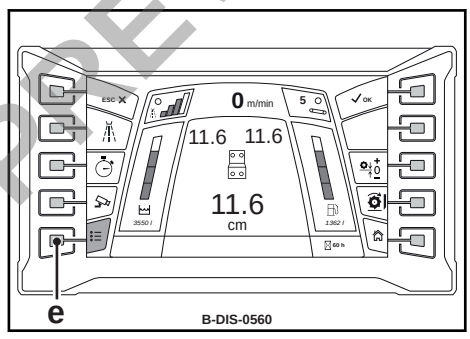


Fig. 409

10. Press menu selection button *[e]*.

⇨ Switch to the menu.

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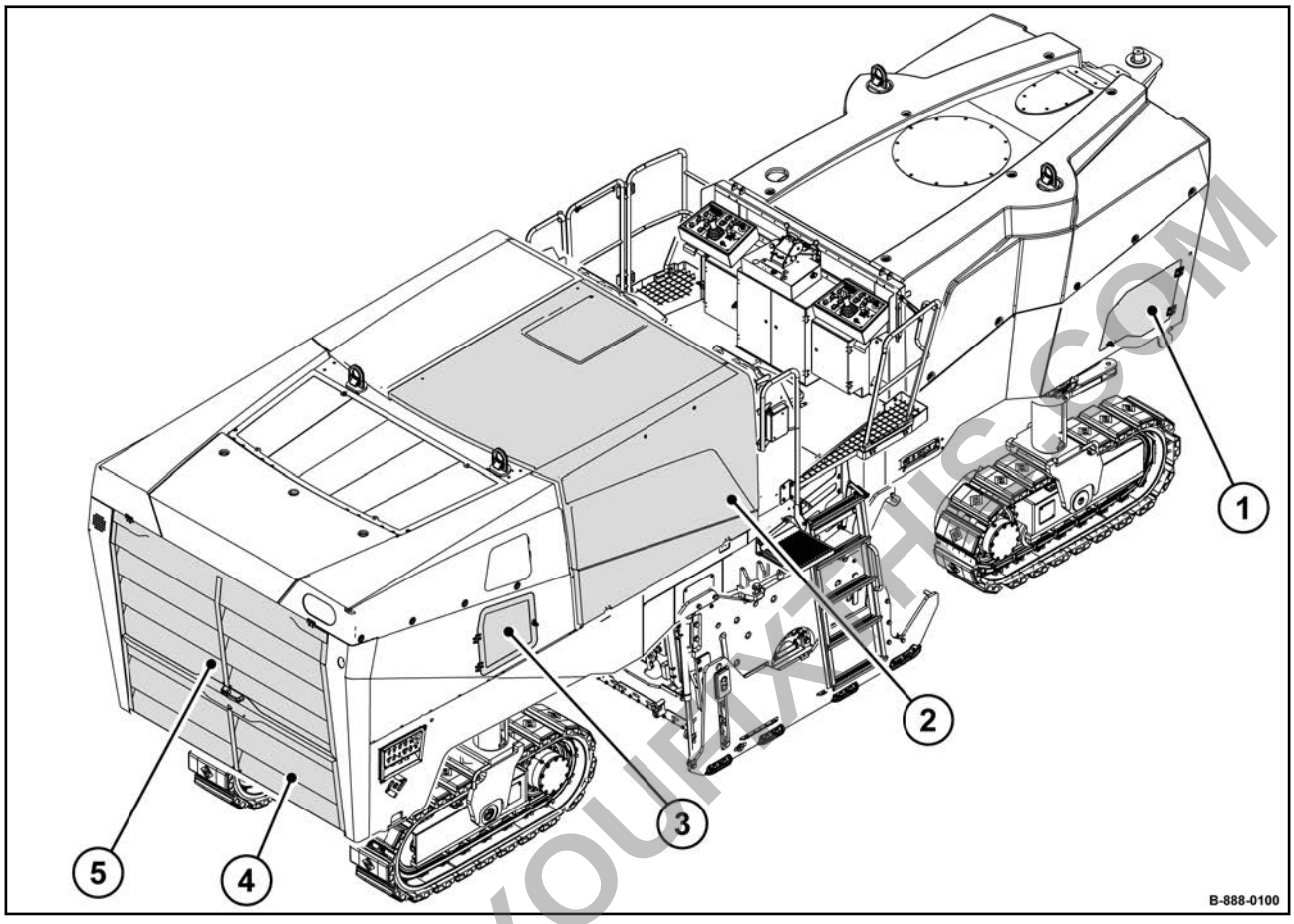


Fig. 464: Access to:

1 Rotary button for roof, rotary button for maintenance platform, connection for high pressure cleaner, water filter
2 Engine oil filler neck, hydraulic oil filler neck, coolant compensation tank, hydraulic oil filter, milling gear oil filter, transfer case oil filter, air filter
3 Radiator module, brake releasing valve
4 Diesel engine (Hatz); water filling pump
5 Compressor, radiator module

8.2.2 Opening / closing the maintenance platform

1. Park the machine in secured condition ↳ *Chapter 6.6 „Parking the machine in secured condition“ on page 156*.

The maintenance platform can only be opened and closed with the engine shut down.

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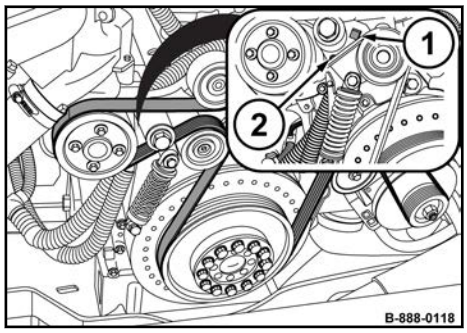


Fig. 496

4. Insert a square key into the square hole (1) on the belt tensioner.
5. Turn the belt tensioner clockwise against the spring force.
6. Use an 8 mm locking pin to lock the idler pulley in the fixing bore.
7. Take off the ribbed V-belt.
8. Check the condition of tensioning device and pulley (e.g. excessively worn bearings of tensioning device, idler pulley and reversing rollers as well as the profile wear on the pulleys).
9. Replace any damaged parts.

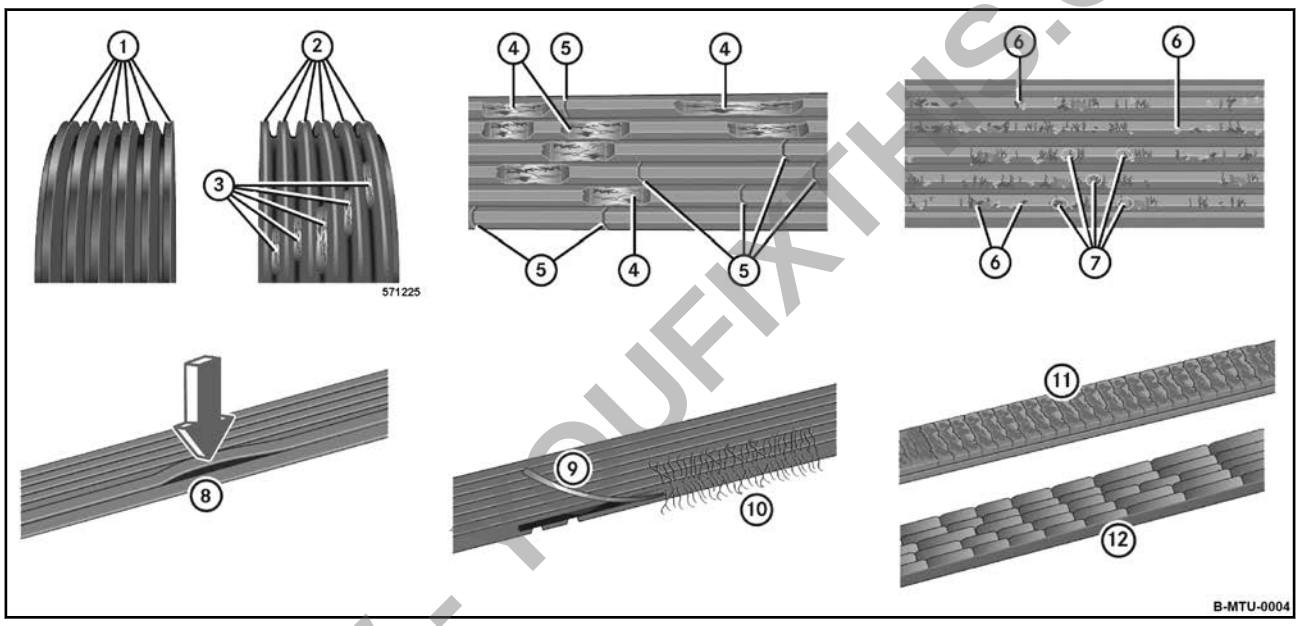


Fig. 497: Images showing damaged ribbed V-belts

1 New condition (for comparison): Trapezoidal shape ribs
2 Flank wear: Ribs wedge shaped
3 Tensile strand in base of belt visible
4 Broken out ribs
5 Transverse cracks in several ribs
6 Rubber bulbs in base of belt
7 Embedding of dirt or stones
8 Ribs loosened from base of belt
9 Tensile strand laterally ripped out
10 Fraying of outer tensile strands
11 Transverse cracks on back
12 Transverse cracks in several ribs

10. Check the ribbed V-belts for damage by using the images with damaged belts.
11. Replace damaged ribbed V-belts.
12. Install the ribbed V-belt.

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8.10.3 Cleaning the engine oil filter (Hatz)

The oil filter should always be cleaned during an engine oil change, because oil will escape when the filter is pulled out.

Protective equipment:
- Working clothes
- Protective gloves
- Safety goggles

1. Park the machine in secured condition *Chapter 6.6 „Parking the machine in secured condition“ on page 156*.

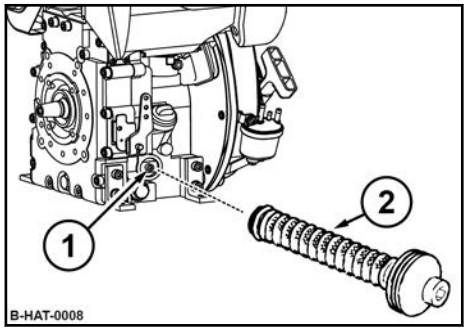


Fig. 549

2. Loosen the screw (1) for approx. five turns and pull the oil filter (2) out of the housing.

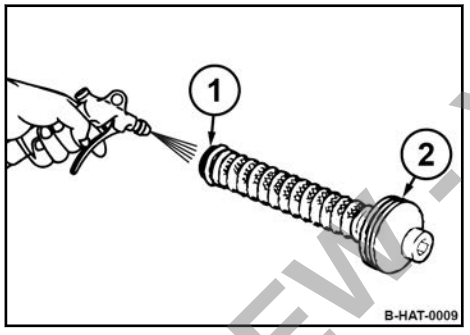


Fig. 550

3. **CAUTION!**
   Danger of eye injuries caused by particles flying around!
   – Wear your personal protective equipment (safety gloves, protective working clothes, goggles).

   Use compressed air to blow the oil filter out from inside to outside.
4. Check the seal ring (2) for damage, change if necessary.
5. Slightly oil the seal rings (1) and (2).
6. Insert the oil filter (2) into the housing and press it against the end stop.
7. Before tightening the screw (1) make sure that the tensioning springs touch the oil filter with both ends.
8. Tighten the screw.
9. Check for leaks.
10. Dispose of oil in an environmentally friendly way.

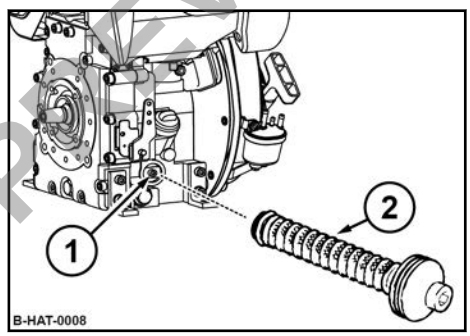


Fig. 551

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