

Operating manual

PistenBully[®]

Passenger Cab
100 / 400 / 600



Kässbohrer Geländefahrzeug AG
Kässbohrerstraße 11
D-88471 Laupheim

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Technical details might not necessarily be exactly as described or illustrated in this operating manual.

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OTHER ON-BOARD DOCUMENTS

- Log book
- Operating manual, diesel engine
- Operating manual, PistenBully
- Operating manual, Webasto
- Maintenance instructions




INTRODUCTION

This additional information for the passenger cab covers:

- Handling, maintenance of the passenger cab
- The PistenBully operating manual is the primary manual. It must be read and understood first.
- Note that the PistenBully operating manual and the additional information for the passenger cab are kept in the storage compartment in the driver's cab at all times.

SYMBOLS USED

- This precondition must be met
- Handling information
- Result of the action
-  This symbol denotes a user tip

DANGER!

Imminent danger to life and limb unless the corresponding precautionary measures are taken.

WARNING!

**Possible extremely dangerous situation!
Danger to life and limb unless the corresponding precautionary measures are taken.**

CAUTION!

**Dangerous situation!
Can lead to injury unless the corresponding precautionary measures are taken.**



Important information!
Possible damage to the machine or its environment.



Service worldwide

Head of Service (GS) Mr. Mayer +49(0)7392/900-101

Technical customer service (TKD)

Head of TKD Mr. Strähle +49(0)7392/900-103

Area Manager TKD Mr. Kirsamer +49(0)7392/900-137

Area Manager TKD Mr. Braun +49(0)7392/900-105

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Fax +49(0)7392/900-100

24-hour service emergency number: Phone. +49 171/7124096

Spare Parts department (ETV)

Head of ETV Mr. Heim +49(0)7392/900-107 Fax +49(0)7392/900-130

Spare parts distribution (ETV) emergency number: Tel. 0171/3732230

Contact at my national office:

Technical customer service Name:..... Telephone number:.....

Spare parts department Name:..... Telephone number:.....

Repair mechanic Name:..... Telephone number:.....

- Always quote the vehicle number when making enquiries and ordering spare parts.
The deployment of service mechanics is controlled centrally by TKD (Technical Service).



TECHNICAL DATA

Dimensions:

Pisten Bully	100	100	200 / 300 400 / 600	200 / 300 400 / 600	200 / 300 400 / 600
Cab for	5 persons	8 persons	10 persons	15 persons	20 persons
Height	approx. 1,730 mm	approx. 1,730 mm.	approx. 1,730 mm	approx. 1,730 mm	approx. 1,730 mm
Width	approx. 2,300 mm	approx. 2,300 mm	approx. 2,300 mm	approx. 2,450 mm	approx. 2,450 mm
Length	approx. 1,500 mm	approx. 2,140 mm	approx. 2,140 mm	approx. 2,800 mm	approx. 2,950 mm
Weight	approx. 590 kg	approx. 600 kg	approx. 750 kg	approx. 870 kg	approx. 920 kg
Tank capacity	10 litres	10 litres	10 litres	10 litres	10 litres
Payload	up to 700 kg	up to 600 kg	up to 750 kg	up to 1600 kg	up to 1,600 kg



SAFETY INSTRUCTIONS



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Intended use

Snow groomers may only be operated in accordance with the operating manual supplied by the manufacturer of the PistenBully.

The PistenBully is designed exclusively for:

- the preparation of ski trails.
- the preparation of ski slopes.
- clearing snow from paths.
- drivable routes in open terrain (no public roads).
- transporting loads

The passenger cab is designed exclusively for:

- transporting persons
- transporting material
- Any use above and beyond this requires the written approval of the manufacturer.

TERRAIN

- Can be operated on drivable routes in open terrain.
- Public roads may only be crossed directly with the approval of the relevant authority.
Offset crossing using an approved route plan is permissible.
- Check that the terrain is navigable before using the PistenBully.
- Driving speed will depend on the terrain, on visibility and the possible additional weight of a passenger cab.

OPERATION

- Before moving off, all passengers must be seated on the benches and fasten their seat belts.
- The door to the passenger compartment must be completely closed. A warning tone sounds if the door is open.
- The rear view camera is automatically switched on when the vehicle is in reverse. The driver can see the area at the rear of the vehicle on the display.
- Check the intercom between driver's cab / passenger cab.



WHEN YOU REACH YOUR DESTINATION

- Before passengers exit the passenger cab:
 - Stop the PistenBully in a position where there is a good view on all sides.
 - Park the PistenBully on a level surface.
 - Apply the parking brake
 - Lower any additional attachments
 - Switch off the diesel engine
 - Extend the access ladder
Both locking bolts must be engaged.
 - Open the door of the passenger cab and secure it with the locking device.
- Persons may only enter / exit the cab via the extendable access ladder.
- Use the bar handle on the inside of the door as an aid when climbing up / down.

Passenger cab.en

EMERGENCY EXIT

- Emergency exit, roof window!
Pull on the red cable (emergency pull-handle), push the sliding roof upwards and to the side.
- In cabins without a roof window, use the emergency hammer to exit the cabin.
Use the hammer to break the passenger-side window and remove shards of glass.

SERVICING

- Carry out the prescribed inspections / maintenance.
- Snow groomers may only be serviced by trained personnel commissioned to do so by the operator.
- ROPS-certified structure!
Ribs and structure must not be drilled into or welded.

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SAFETY INSTRUCTIONS

WARNING SIGNS

- The instructions on the warning signs on the PistenBully and any attachments must be complied with!
- Replace damaged or lost warning signs immediately!

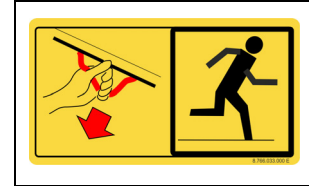


EMERGENCY HAMMER SIGN

Attached: In the driver's cab
KGG- No. 8.766.027.053

Text:

**Emergency hammer for exit in emergencies!
Break the passenger-side window and remove shards of glass.**



EMERGENCY EXIT SIGN

Attached: **In the driver's cab roof window**

KGG- No. 8.766.027.052

Text:

**Pull-handle for emergency exit!
Pull on the red cable (emergency pull-handle), push the sliding roof upwards and to the side.**



DIESEL FUEL HEATING SIGN

Attached: **Passenger cab tank filler neck**

KGK- No. 8.762.670.053.0

Text:

Diesel fuel EN 590, but sulphur content <10 ppm or RME biodiesel DIN V 51606





NOTES



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Heating, passenger cab 14

Retracting / extending the access
ladder 16

Mounting the passenger cab 17



USE

Heating, passenger cab

- i** The heating for the passenger cab is enabled from the driver's seat. Only when this has been done can the heating in the passenger cab be switched on.

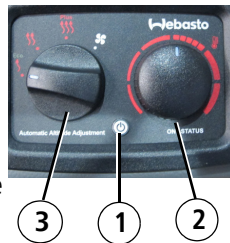


Enabling the passenger cab heating

- Bottom switch pressed
 - Passenger cab heating is enabled
 - Indicator lamp lights up
- The heating in the passenger cab can be switched on.

Switching on the passenger cab heating

- Press switch **1** to ON.
 - Indicator lamp lights up
- Set the heating temperature via dial **2**.
- Set the fan speed via the 4-stage switch **3**



Filling the fuel tank for the passenger cab heating



WARNING!



Do not allow fuels to splash onto the skin (wear protective gloves, change clothes if fuel spills onto them). Do not inhale fuel vapours or ingest fuels (danger of poisoning).



WARNING!

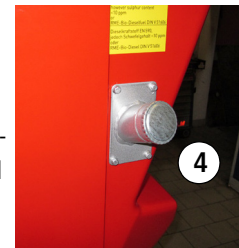


Danger of explosion due to the formation of gas in the fuel tank!
No open flames while filling the tank.

- Diesel filler neck **4**



Diesel fuel EN 590, but sulphur content <10 ppm or RME biodiesel DIN V 51606



Passenger cab intercom



Telephone

- i** Occupants of the passenger cab can speak to the driver.



USE

Passenger exit

Extending the access ladder

- Open both fasteners and fully extend the access ladder.
- Locking bolt **8** must engage.
- Open the cab door and allow passengers to climb out.



CAUTION!



Danger of slipping on the access ladder while climbing in or out. Use the handle on the door as an aid. Wear sturdy shoes with non-slip soles.

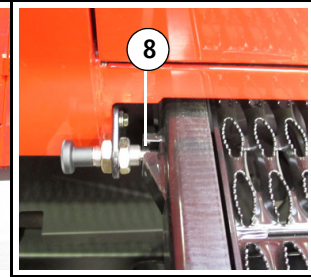
Retracting the access ladder



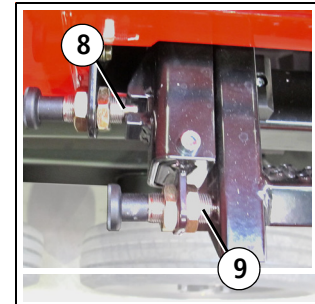
Before moving off, the access ladder must always be fully retracted and both locking bolts **8 / 9** engaged.



Access ladder



Locking device engaged



Locking bolt



Mounting / removing the passenger cab



WARNING!



Make sure there is no-one in the danger zone!
Secure the pivoting area before removing the cab.



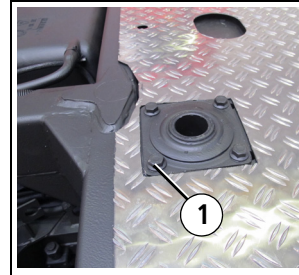
The power cable will be pinched if the passenger cab is placed on the ground.

Remedy!

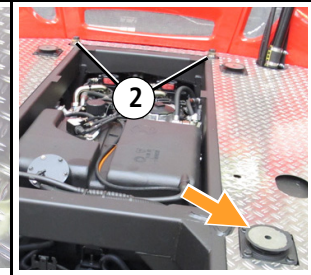
Place a wooden pallet under the passenger cab.

Mounting the passenger cab

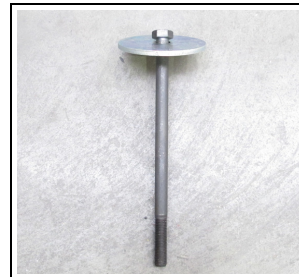
- 16 hexagon bolts **1**, check tightening torque 130 Nm.
- 2 upper frame bolts **2**, check tightening torque 500 Nm.
- Place 4 support bearings on the bed (see arrow).
- Insert 4 hexagon bolts with washer **3** in the drilled holes in the base plate of the passenger cab.
- Close the passenger cab door.



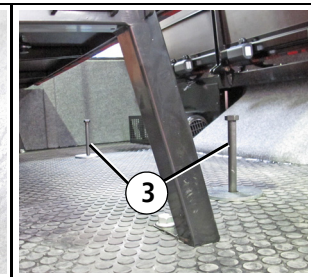
Hexagon bolt
M12 x 30 mm



Position the support
bearings



Hexagon bolt 3
M 16 x 290 mm



Insert





USE

- Hook crane attachment loops into the 4 suspension eyes.
- Lift passenger cab and swing it over the loading platform.
- Slowly lower the passenger cab.
- Insert hexagon bolt **3** into the bearing support.

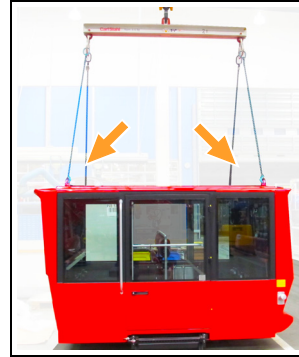


WARNING!

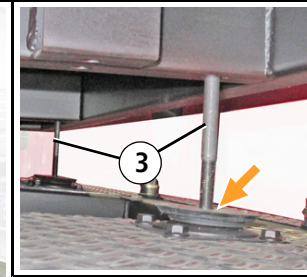


Danger of crushing when lowering the cab!
Maintain a safe distance while the cab is being lowered.

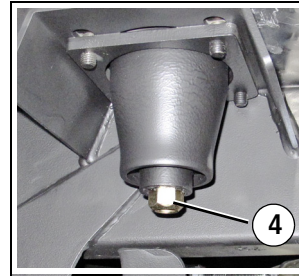
- Lower the passenger cab and secure with hexagon nut **4**.
 Tightening torque 280 Nm.
- Connect power cable.



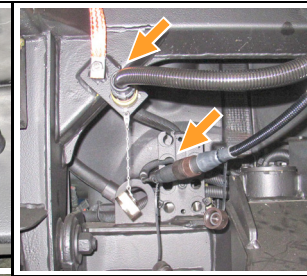
Suspension eyes



Insert bolt



*Hexagon nut
280 Nm*



Connect power cable

Maintenance instructions

- Perform inspection of the Webasto heating
Refer to the operating manual for the Webasto heating for details.
- Oil door hinges every 100 hours
- Lubricate hinge of access ladder every 100 hours
- Check tightening torques every 100 hours

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KÄSSBOHRER GELÄNDEFahrZEUG AG



Dieser Betrieb ist ISO 14001
und ISO 9001 zertifiziert