

# Operating Manual



## PistenBully GreenTech

Edition 2013

EN

*PistenBully*<sup>®</sup>

[www.pistenbully.com](http://www.pistenbully.com)

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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
- Diesel engine operating manual
- PistenBully operating manual
- Air conditioning operating manual
- Maintenance instructions
- Fluids and lubricants



# INTRODUCTION

This supplemental information on GreenTech informs you about:

- Handling, maintenance and care of the PistenBully GreenTech model.



The PistenBully 300 / Polar operating manual serves as the underlying guide. It should first be read and understood.

- Please observe that the PistenBully 300 / Polar operating manual and the supplemental GreenTech information are kept in the driver's cab stowage compartment at all times.

## SYMBOLS USED

- The prerequisite must fulfilled
- Handling information
- Result of the action
- i** This symbol signifies an operator tip

---

### DANGER!

**There is a direct and imminent danger to life and limb if no appropriate precautionary measures have been taken.**

---

### WARNING!

**Potentially extremely dangerous situation!  
There is a danger to life and limb if no appropriate precautionary measures have been taken.**

---

### CAUTION!

**Dangerous situation!  
It can lead to physical injury if no appropriate precautionary measures have been taken.**

---



Important note!

The machine or its surroundings could be damaged.



# TECHNICAL CUSTOMER SERVICE

## Overall Service worldwide

Head of Overall Service (GS) Mr. Mayer

## Office telephone

+49(0)7392-900-101

## Technical customer service (TKD)

Technical Services (TKD) dept. manager	Mr. Strähle	+49(0)7392-900-103
Regional manager TKD	Mr. Kirsamer	+49(0)7392-900-137
Regional manager TKD	Mr. Braun	+49(0)7392-900-105
Regional manager TKD	Mr. Arbogast	+49(0)7392-900-118
Regional manager TKD	Mr. Bohnet	+49(0)7392-900-116
Regional manager TKD	Mr. Dehm	+49(0)7392-900-117

Fax +49(0)7392/900-100

**24-hour service emergency number: Phone: +49(0) 171-7124096**

## Spare Parts department (ETV)

ETV manager 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 Services Name:..... Phone number:.....

Spare Parts dept. Name:..... Phone number:.....

Service technician Name:..... Phone 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).

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# TECHNICAL DATA

## PistenBully300 with Mercedes Benz engine OM 926 LA:

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**Width:**

without tracks . . . . .	2,500 mm
across X-track . . . . .	3,000 mm
across aluminum tracks . . . . .	4,160 mm
across steel tracks . . . . .	4,160 mm
across rotary plough 2000 . . . . .	4,900 mm
across Multiflex rotary plough . . . . .	5,400 mm

**Height** (incl. air conditioning system) . . . . . 3,200 mm

Height with cab tilted . . . . . 3,325 mm

Ground clearance approx. . . . . 350 mm

**Length**

With rotary plough and pusher blade . . . . .	9,965 mm
Load area . . . . .	2,300 x 1,920 mm

**Weight:**

Dead weight with steel tracks . . . . .	6,500 kg
Dead weight with aluminum tracks . . . . .	6,200 kg
Permissible total weight including auxiliary equipment . . . . .	10,000 kg
Payload of load area without auxiliary driven machinery . . . . .	1,500 kg

**Engine:**

Type: Mercedes Benz . . . . .	OM 926LA
Number of cylinders . . . . .	6
Displacement . . . . .	7,200 cm <sup>3</sup>
Output, ECE rating . . . . .	240 kW (330 ECE-HP)
Max. torque . . . . .	1,300 Nm / 1200 rpm
Oil capacity with filter . . . . .	max. 32 l
Fuel consumption approx. . . . .	11 l/h
Fuel-tank capacity . . . . .	190 l



# TECHNICAL DATA

<b>Electrics</b>		<b>Brakes:</b>	
Light-current circuit . . . . .	24 volts	Wear-free (hydrostatic)	
Generator . . . . .	28V / 120A	2 multi-plate brakes	
Batteries . . . . .	2 x 12V / 135 Ah		
Cold-start power . . . . .	600 A	<b>Sound power level</b>	
<b>Operating parameters:</b>		Sound power interior . . . . . 74,5 dB (A)	
Continuously variable speed . . . . .	0 - 19 km/h	Sound power radiated . . . . . 114 dB (A)	
Spec. ground pressure with aluminum tracks	0.044 kg/cm <sup>2</sup>		
Spec. ground pressure with steel tracks .	0.046 kg/cm <sup>2</sup>		
Spec. ground pressure with X-tracks . . .	0.160 kg/cm <sup>2</sup>		
Clearing rate with rotary plough . . . . .	90,000 m <sup>2</sup> /h		
<b>Garage:</b>			
Suggested garage dimensions			
Length . . . . .	11,000 mm		
Width . . . . .	6,000 mm		
Height . . . . .	3,500 mm		

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# TECHNICAL DATA

## PistenBully300 Polar with Mercedes Benz engine OM 457 LA:

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**Width:**

without tracks . . . . .	2,400 mm
across X-track . . . . .	3,100 mm
across aluminium tracks . . . . .	4,260 mm
across steel tracks . . . . .	4,260 mm
across AlpinFlex tiller . . . . .	5,400 mm
across rotary plough 2000 . . . . .	4,900 mm

**Height** (incl. air conditioning system) . . . . . 3,200 mm

Height with cab tilted . . . . . 3,380 mm

Ground clearance approx. . . . . 350 mm

**Length**

With tiller and pusher blade . . . . .	10,075 mm
Load area . . . . .	2,300 x 1,920 mm

**Weight:**

Dead weight with aluminium tracks . . . . .	7,300 kg
Dead weight with steel tracks . . . . .	7,500 kg
Permissible total weight including auxiliary equipment . . . . .	11,000 kg
Payload of load area without auxiliary equipment . . . . .	2,500 kg

**Engine:**

Type: Mercedes Benz . . . . .	OM 457 LA
Number of cylinders . . . . .	6
Displacement . . . . .	11,970 cm <sup>3</sup>
Output, ECE rating . . . . .	315 kW (430 ECE-HP)
Max. torque . . . . .	2000 Nm at 1200 rpm
Oil capacity with filter . . . . .	max. 32 l
Fuel consumption approx. . . . .	13l/h
Tank capacity . . . . .	210 l





# TECHNICAL DATA

## Electrical:

Light-current circuit . . . . .	24 volts
Generator . . . . .	28V /140A
Batteries . . . . .	2 x 12V/125 Ah
Cold-start power . . . . .	600 A

## Brakes:

Wear-free (hydrostatic)
2 multi-plate brakes

## Operating parameters:

Continuously variable speed . . . . .	0 - 19 km/h
Spec. ground pressure with aluminium tracks . . . . .	0.053 kg/cm <sup>2</sup>
Spec. ground pressure with steel tracks . . . . .	0.056 kg/cm <sup>2</sup>
Spec. ground pressure with X-tracks . . . . .	0.187 kg/cm <sup>2</sup>
Production rate with tiller . . . . .	100,000 m <sup>2</sup> /h

## Garage:

Suggested garage dimensions	
Length . . . . .	11,000 mm
Width . . . . .	60,00 mm
Height . . . . .	3,500 mm

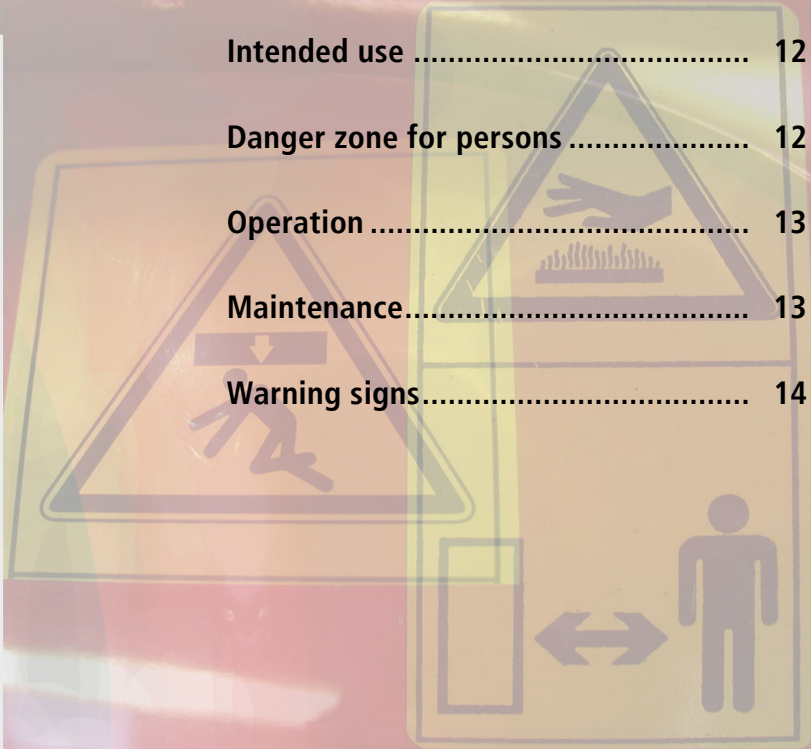




# NOTES




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# GREENTECH SAFETY INSTRUCTIONS

## Intended use

Snow groomers may only be operated in observation of the manufacturer's operating manual for PistenBully 300 / Polar and GreenTech.

### The PistenBully is intended exclusively to be used for:

- Preparing ski trails.
- Preparing ski slopes.
- Snow removal from paths.
- Restricted access roads (no public roads).
- Hauling loads

### GreenTech is intended exclusively to be used for:

- Plowing and earthmoving work in moors and wetlands. Spreading of compost.
- Landscaping work: mulching and mowing.

- Restricted access roads may be driven on
- Public roads may be crossed over directly. Offset traversing according to a route plan is permitted.
- With regard to use for any further purposes, written approval must be requested from the manufacturer.

## PERSONS

- **Cooler**  
Risk of injury due to sudden blowing out of dust particles!  
Maintain a safe distance from the cooler. Make sure there is no-one in the danger zone.
- Risk of burns from the cooler if contacted. Maintain a safe distance!
- **Three-point linkage**  
Operation by means of the external switch

When using the external switch, maintain sufficient distance from the lifting linkage and the auxiliary equipment.

- **Power take-off shaft**  
Before the implement is disconnected, wait until the power take-off shaft is at a complete standstill and switch off the diesel engine.
- In general, the power take-off shaft should be disengaged when not in use.
- Attaching the power take-off shaft guard.

## ENTRY

- Performing daily control and maintenance work: refer to the PistenBully 300 operating manual.
- Step onto the track tread; caution! There is a risk of slipping on the track tread when entering and



exiting the cab.

Use the grab handle on the driver's door when entering.

Wear sturdy footwear with non-slip soles.

## DRIVING

- Do not let the engine run unattended.
- The speed should be suitable to the terrain and visibility conditions, as well as the properties of the snow groomer in conjunction with different auxiliary equipment.
- Having the front blade in the transport position is only permitted for during transport.
- Risk of collision!  
Front blade / track tread  
If the front blade is pivoted and the side section is pivoted in, then the

side section will collide with the track tread. The warning buzzer will sound! See page 26.

- Do not use the rotating beacon in the working mode.

## STOP / EXIT

- To lower auxiliary equipment in the front and rear, switch off power take-off shaft operation, put the drive direction switch "Neutral", set the parking brake.
- There is a risk of slipping on the track tread when entering and exiting the cab.  
Use the step-up aid on the track tread and the grab handle on the driver's door.  
Wear sturdy footwear with slip-resistant soles.
- Lower the front blade into the transport position. For further

instructions, see the PistenBully 300 / Polar operating manual

## TERRAIN

- Check the terrain's suitability for driving before deploying the PistenBully.

## PASSENGERS RIDING ALONG

- Passengers must not ride along:
  - on the load platform
  - on auxiliary equipment
  - on an implement.

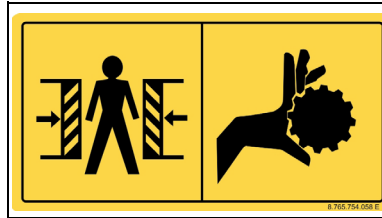
## MAINTENANCE

- Snow groomers may only be maintained by qualified experts who have been commissioned by the proprietor.

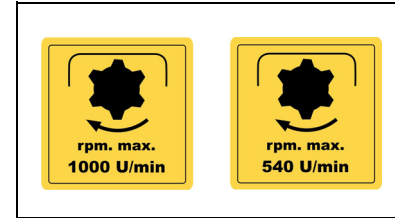


## SAFETY INSTRUCTIONS

- The maintenance work specified by the manufacturer for the power take-off shaft and the auxiliary equipment must be observed.
- If repairs are performed with the engine running, the blade controller must be switched off.



Rear equipment carrier warning sign



Power take-off shaft sign

## WARNING SIGNS

- Strict compliance with the warning signs on the PistenBully and on auxiliary equipment is mandatory.
- Make sure that warning signs that are damaged or come loose are replaced immediately.

### WARNING SIGN

No.: 8.762.271.053C

Location: Rear / power take-off shaft frame

Text:

**Risk of injury by crushing:  
When using the external switch,  
maintain sufficient clearance to  
the lifting linkage and the auxil-  
iary equipment.**

**Danger of power take-off shaft  
entanglement!  
Attachment and detachment only  
with the diesel engine switched  
off.**

### SIGN

No.:

100 rpm: 8.766.057.056 E

540 rpm: 8.765.701.056 E

Location: Rear / power take-off shaft frame

Text:

**Use a maximum power take-off  
shaft speed of clockwise 540 or,  
respectively, 1000 rpm.**





**GreenTech switch ..... 16**

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**Front blade transport position ..... 23**

**Rear and three-point auxiliary equipment operation..... 24**

**Winch joystick operation..... 25**

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# COCKPIT

## GreenTech switch



### Maintenance task: blowing out the cooler



If the cooler fins are clogged with dirt, the coolant temperature will rise. The fan automatically blows in the opposite rotational direction (spinning). The dirt is thus blown out of the fins.



### WARNING!

**Risk of injury due to sudden blowing out of dust particles!**

**Maintain a safe distance from the cooler.**

**Make sure there is no-one in the danger zone.**

- Diesel engine is running
- Only operate the switch for blowing out the cooler when performing maintenance.
- Loosen lock and briefly press downward.
  - The fan symbol lights up.
  - The fan indicator lamp lights up.
  - Blower automatically switches ON and OFF.



### Switching off the blade controller

- Press the rocker switch upward.
  - Blade controller joystick **ON**
- Loosen lock and press downward.
  - Blade controller joystick **OFF**
  - The blade controller lights up.



### WARNING!

**Risk of injury by crushing:**

**The blade controller must be switched off during transport and repair work while the engine is running.**



The **STOP** warning symbol lights up when the blade controller is not switched off.



### Lubrication interval after maintenance

- The PistenBully has been cleaned.
- After cleaning, press the button
  - Both of the rear drives are greased via the central lubrication system.
- No repetition is necessary!
- Regarding refilling grease, refer to the workshop information







## Rear operation circuitry

- Loosen lock and press downward.
  - Rear operation via the three-point linkage external switch.
- Pressed above
  - Rear operation by means of joystick

## Operation via the three-point linkage external switch

- Actuate the rear operation switch through the external switch circuit.



### WARNING!



**Risk of injury by crushing:**  
**When using the external switch, maintain sufficient clearance to the lifting linkage and the auxiliary equipment.**



- Raise the lift cylinder



- Lower the lift cylinder



## Tilting and lowering the cab / load platform

- See the chapter Tilting the cab
- Loosen lock and press downward.
  - Tilting / lowering the cab / load platform
  - Releasing the button interrupts the tilting procedure.



## Power take-off shaft speed ON / OFF (optional)

- Tiller rocker switch in synchronous operation
- Press downward
  - Power take-off shaft speed ON  
 Adjust the rotational speed by means of the tiller shaft speed adjustment wheel:  
 1000 rpm = see sticker  
 540 rpm = see sticker
- Press above
  - Power take-off shaft speed OFF



## Power take-off shaft indicator lamp switched on

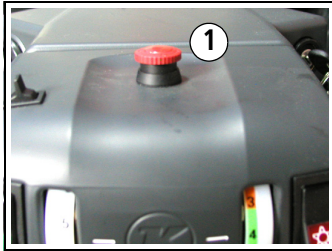
- Power take-off shaft rotating



Indicator lamp is blinking!  
 Power take-off shaft potentiometer via adjustment value to 0. The power take-off shaft is not rotating.



# COCKPIT



*Stop button*

## Stop button

The PistenBully does not have a separate brake for stopping, only a parking brake.. If you release pressure from the accelerator pedal or put the drive direction switch in the neutral position, the PistenBully does not stop abruptly.

If you press the Stop button **1**, the PistenBully brakes sharply to complete stop.

### When to actuate the Stop button

- Press if there is sudden danger.

The PistenBully remains in place and is no longer steerable!

- Immediately apply the parking brake.

## Restart

- Turn the Stop button and pull it upward.
  - The PistenBully is ready for operation again.





Tilting hydraulics

## Tilting the driver's cab / load platform

### Prerequisite

- Remove loose parts from the cab and the load platform.
- Whenever possible, park the vehicle on level ground.
- The parking brake has been applied.
- The power take-off is switched off.
- The drive direction indicator is in the "Neutral" position.
- The rear and front auxiliary equipment has been lowered.



Failure to heed could lead to a danger of collision involving the load platform or cab and auxiliary equipment!

- Open the driver's seat side window (for button operation from outside).
- Exit the cab.



### WARNING!

**Close the doors!**

Failure to heed risk could lead to an accident caused by slamming doors.



### CAUTION!



There is a risk of slipping on the track tread. Use the grab handle.



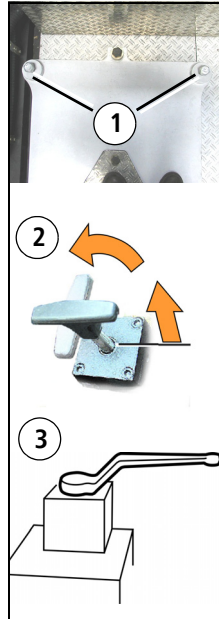
Vehicle drivers must wear footgear with slip-resistant soles for safe operation.



# TILTING THE DRIVER'S CAB / LOAD PLATFORM

## Tilting the driver's cab and load platform

- Unscrew the hex bolts **1** on the load platform.
- Turn valve lever **2** to the left, pull and turn right until it locks.
- Put the lever **3** of the block ball cock into position.



### Buttons on the steering column

#### Tilting the driver's cab / load platform

- Externally loosen the lock and press down.
  - Tilting the driver's cab / load platform
  - Releasing the button interrupts the tilting procedure.

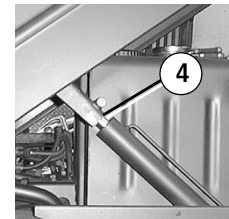


### WARNING!



**Risk of injury by crushing:**  
In case of a loss of hydraulic pressure, the load platform lowers!  
Use a brace to prevent independent lowering.

- Unlock and pivot the brace **4** onto the piston rod

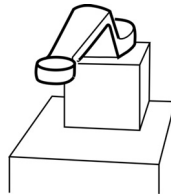


## Tilting the cab

- The load platform remains fastened by hex bolts to the intermediate console.
- For further functions, see "Tilting the driver's cab and load platform".

## Tilting the load platform

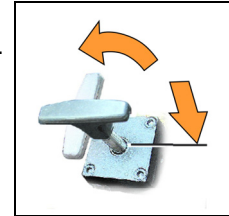
- Put the lever of the block ball cock into position.



- For further functions, see the chapter "Tilting the driver's cab and load platform".

## Lowering the cab and load platform

- Pivot the brace of the load platform upward until it engages in the spring clip.
- Turn the valve lever to the left, press and turn right until it locks.



### Lowering the cab / load platform

- Externally loosen the lock and press down.
  - Lower the cab / load platform
  - Releasing the button interrupts the tilting procedure.
- 
- The cab and load platform are lowered.
  - The cab indicator lamp goes out.
  - Screw in the hex bolts on the load platform.



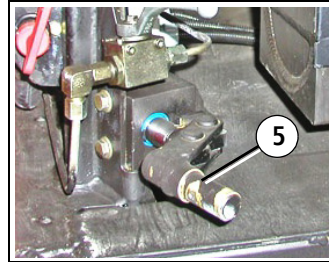
## TILTING THE DRIVER'S CAB / LOAD PLATFORM



The hydraulic system does not operate if the cab lock is not engaged or the load platform has not been completely lowered.



- A warning lamp lights up if the cab is not locked.



*Manual pump*

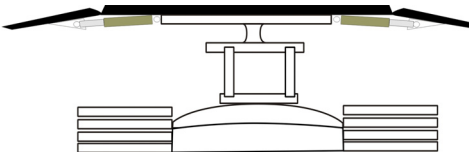
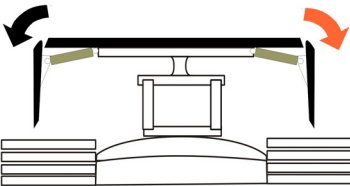
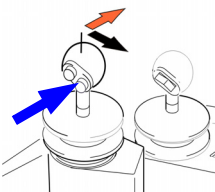

### Tilting the cab and load platform using the manual pump

- Switch off the diesel engine.
- Prepare as for tipping with the engine-powered hydraulics.
- Attach the pipe (*see toolkit*) to the manual pump **5** and actuate.

For further functions, see the chapter "Tilting the driver's cab and load platform".



# FRONT BLADE TRANSPORT POSITION

Front blade	Joystick / buttons	Position
<p><b>1</b></p>  <p><b>2</b></p> 	 	<p><b>Transport position 2</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> The front blade must be in the transport position for disassembly.</li> <li><input type="checkbox"/> The front blade must be in the transport position for travelling to the deployment area.</li> <li><input type="checkbox"/> Only pivot the side arm to the rear for the transport position / travelling.</li> </ul> <p><b>Front blade in the transport position</b></p> <ul style="list-style-type: none"> <li>➤ Do not pivot <b>1</b> the front blade.</li> <li>➤ Pivot the side arm <b>2</b> completely inward. <ul style="list-style-type: none"> <li>○ The warning buzzer sounds off and the STOP (red) warning light lights up.</li> <li>○ The front blade pivot / incline function is switched off.</li> </ul> </li> <li>➤ Unlock the blade controller rocker switch and press down. <ul style="list-style-type: none"> <li>○ Warning buzzer / warning light OFF</li> <li>○ The rocker switch symbol lights up.</li> <li>○ No joystick function</li> </ul> </li> </ul>

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# REAR AND THREE-POINT AUXILIARY EQUIPMENT OPERATION

Overview

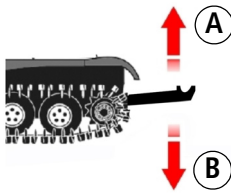
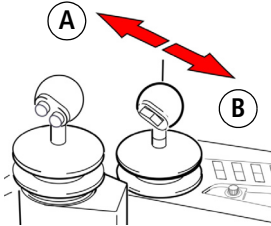
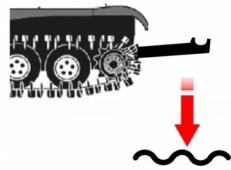
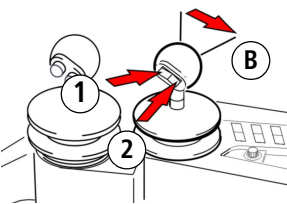

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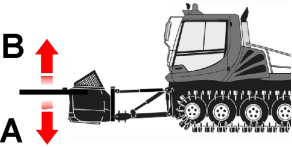
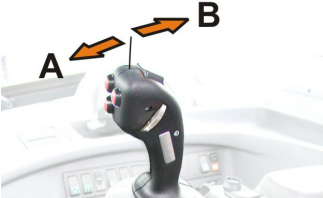
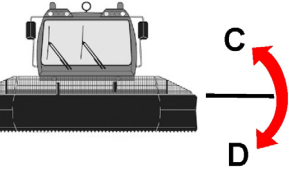
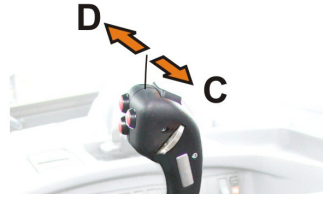
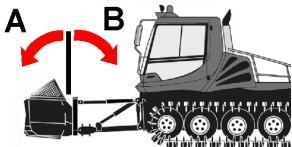
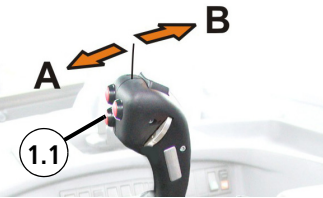
Operation

Rear equipment carrier	Joystick	Button	Position
<p><b>Raise / lower three-point mount</b></p> 			
<p><b>Floating position</b></p> 		<p><b>Potentiometer</b></p> 	<ul style="list-style-type: none"> <li>➤ Joystick in detent position <b>B</b></li> <li>➤ <b>1</b> pressed = relieve the three-point mount</li> <li>➤ <b>Centre position</b> = floating position indicator lamp 1.7 lights up.</li> <li>➤ <b>2</b> pressed = downward pressure on the three-point mount adjustable using the potentiometer.</li> </ul>





# WINCH OPERATION WITH A JOYSTICK

Function U front blade	Joystick Electrical / hydraulic	Lever position	Button / rocker switch
<b>RAISE - LOWER</b> 		<b>A</b> - lower  <b>B</b> - raise	
<b>TILT</b> 		<b>C</b> - left  <b>D</b> - right	
<b>INCLINE</b> 		<b>A</b> - forward  <b>B</b> - back	<b>1.1</b>

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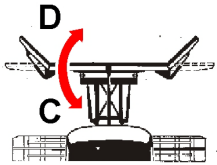
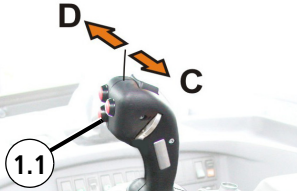
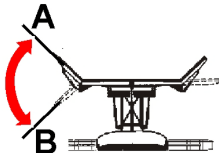
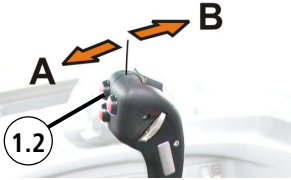
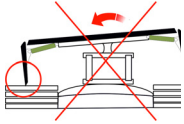
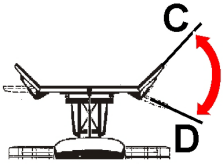
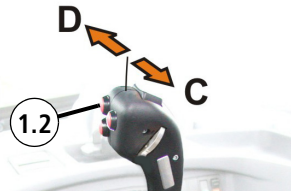
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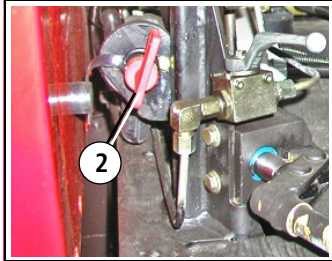


# WINCH OPERATION WITH A JOYSTICK

Function	Joystick	Lever position	Button or rocker switch
<b>U front blade</b>  <b>PIVOT</b> 	Electrical / hydraulic 	<b>C</b> - pivot left.  <b>D</b> - pivot right.	<b>1.1</b>
<b>LEFT SIDE SECTION</b> 		<b>A</b> - Side section pivot <b>B</b> - pivot side section inward. <b>WARNING!</b> The front blade may not be pivoted. Risk of collision with the side section and track tread. The warning buzzer will sound!	<b>1.2</b> 
<b>RIDE SIDE SECTION</b> 		<b>C</b> - side section pivot <b>D</b> - pivot side section inward. <b>WARNING!</b> The front blade may not be pivoted. Risk of collision with the side section and track tread. The warning buzzer will sound!	<b>1.2</b>



# BATTERY MASTER SWITCH



Manual pump

With battery master switch **2**, the battery is disconnected from the line power supply.

## Actuate the battery master switch

- If the electronics malfunction.
- To conserve the battery during prolonged idle times.



### Voltage peak!

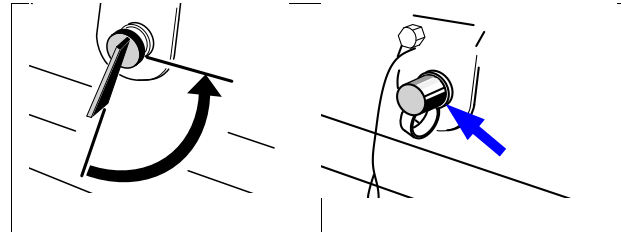
Only actuate the battery master switch while the engine is running in case of an emergency.



### Loss of motor electronics data!

Before disconnect the battery from the line power supply:

- Switch off the ignition.
- Wait 30 seconds.
- Only then actuate battery master switch.



## Actuate the battery master switch

- Turn the switch lever counterclockwise and remove it.
- Put on the protective cap.

The battery is disconnected from the line power supply.

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## CHECK - MAINTENANCE NOTES



### WARNING!



**Risk of injury by cutting or crushing!  
With all moving parts!  
While the engine is running, maintain a safe  
distance to rotating parts.**

- The checks to be made before travelling must be strictly observed.
- The checks of the PistenBully 300 operating manual must be performed *see Chap. 10*.
- Only perform checks with the engine switched off and the vehicle on a level parking area.
- The intended oil and water level markings indicated at the measuring points (dipstick, overflow cap, etc.) must be precisely complied with.

## FILL UP FLUIDS AND LUBRICANTS



### WARNING!

**Do not allow fluids and lubricants to contact skin  
(e.g. wear protective gloves, change any saturated  
clothing).  
Do not inhale or ingest (risk of poisoning).**



### WARNING!



**There is a risk of explosion due to the forma-  
tion of gases in the fuel tank!  
Open flames are prohibited while refuelling.**

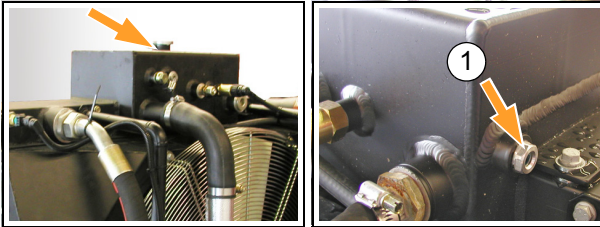


Do not spill any fluids or lubricants (due to danger of con-  
tamination of the ground and bodies of water). Do not dis-  
pose of improperly (observe country-specific regulations).



# GREENTECH DAILY CHECKS

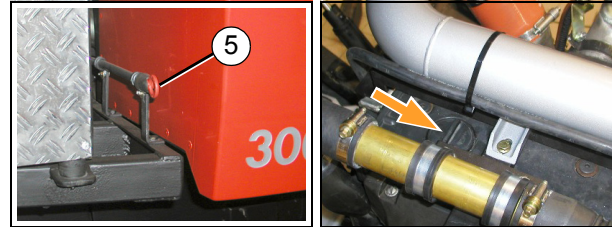
## CHECKING THE COOLANT LEVEL



Only check and refill coolant when the engine is cold

- Check the coolant level expansion tank (see inspection window 1).
- Check the antifreeze level of the coolant (see "Fluids and lubricants").
- Check the connecting hoses in the cooling and heating systems for leaktightness.

## CHECKING THE ENGINE OIL LEVEL



- The oil level check is performed using the oil dipstick 5.
- The oil level must be between the min. and max. markings. The cab must be tilted in order to refill the oil (see "Tilting the cab").



### CAUTION!



When refilling the oil, there is a risk of falling between the track and main frame.



# GREENTECH DAILY CHECKS

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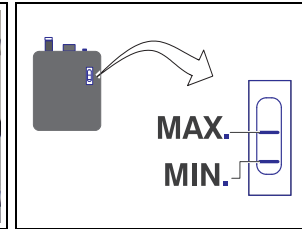
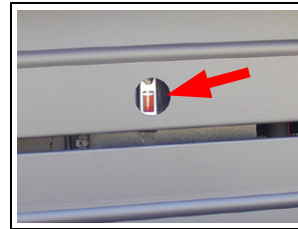
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## CHECKING THE HYDRAULIC FLUID LEVEL

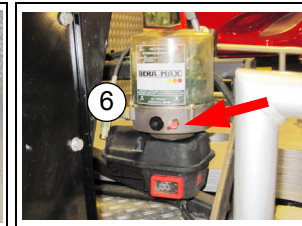
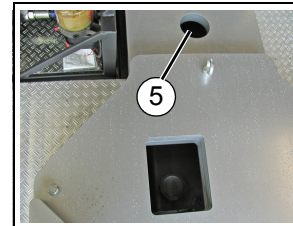
- Only check and refill hydraulic fluid when the engine is warm
- The hydraulic fluid level must be between the min. and max. markings.



Only refill with approved hydraulic fluid **5**  
(see "Fluids and lubricants")

## CENTRAL LUBRICATION SYSTEM

- Visually inspect the lubricant reserve for the central lubrication system. Fill up the lubricating grease with a grease gun canister **6**.



## DAILY SERVICE WORK BEFORE AND AFTER OPERATION

- Fire hazard caused by grass / traces of silage /peat in the engine space.  
Tilt the cabin and remove the dirt.

## AIR-CONDITIONING SYSTEM

- Refer to the operating manual of the air-conditioning system.





# NOTES




## ENTERING

- Before entering, perform all daily checking and maintenance work.
- Walk around the vehicle and examine it to ensure that no persons or objects are within the danger zone.
- Use the grab handle on the driver's door when entering.



*Step-up aids*

- Use the step-up aid on the track tread.



### CAUTION!



There is a risk of slipping on the track tread when entering and exiting the cab. Vehicle drivers must wear footgear with slip-resistant soles for safe operation of the PistenBully.

- Press on the door lock. The driver's door opens up. Note: If the vehicle is parked on a slope, extra caution is required when opening the door. The door will open abruptly.
  - Brace yourself on the steering wheel and sit down on the driver's seat.
  - Close the door.
  - Adjust the seat and steering wheel to a position that is pleasant for you.
  - Put on the seatbelt.
  - Visual check:
    - Ensure the drive direction switch is in the "Neutral" position and the parking brake is engaged.
  - For further instructions, see the Chap. "Operating manual for driving the PistenBully 300 / Polar".



# ENTERING - DRIVING - EXITING

## CONCLUDING TRAVEL

- Park on a place with clear visibility.
- Park on level ground.
- Lower front and rear auxiliary equipment.
- Set the tiller speed adjustment wheel to 0.
- Put the drive direction switch in the "Neutral" position.
- Apply the parking brake.



Turbocharger - risk of overheating!

Switch off the diesel engine immediately after running under full load. Drive approx. 2 minutes under partial-load conditions and only then switch it off.

- Switch off the diesel engine.
- Remove the ignition key and close up the cab.

## EXITING

- Put the steering column in the upright position.
- If the vehicle is parked on a slope, extra caution is required when opening the door. The door will open abruptly!
- Exit the cab in the reverse order of the instructions in the Chapter "Entering".



### WARNING!



**There is a risk of slipping on the track tread when entering and exiting the cab. Use the grab handle when climbing down from the track tread.**

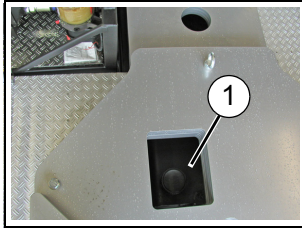


### WARNING!



**Risk of burn injuries / fire hazard! After switching of the engine, be mindful of hot parts and fluids in lines, piping and containers. Remove all easily flammable materials after operation.**





*Refuelling with diesel*



## WARNING!



**There is a risk of explosion due to the formation of gases in the fuel tank!  
Open flames are prohibited while refuelling.**

- Refuel **1** the PistenBully with diesel immediately after concluding travel to prevent water from condensing in the tank.
- Keep all tracks, sprockets and drive wheels free of snow / ice / dirt as much as possible, in order to prevent freezing up and possible damage when resuming operation.
- Secure raised auxiliary equipment.
- Clean the PistenBully once you are finished operating it.

## TOWING THE VEHICLE

### Towing the PistenBully

- Emergency releasing of the parking brake is only permitted by experienced, skilled personnel!
- Comprehensive safety precautions are necessary to tow the PistenBully. Please contact the nearest service centre.

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