



User Guide



Fields of application

The applications for this product are domestic cleaning jobs:

Car, motorbike, boat, caravan, trailer, patio/drive/flagstones, woodwork, brickwork, barbecue, garden furniture etc.

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Model survey (P 12 476)

- 1. Electric cable
- 2. Start-/stop switch
- 3. Connection for water (with filter)
- 4. Spray gun with trigger (4a) and locking device (4b)
- 5. Spray lance with bayonet socket
- 6. TORNADO® PR nozzle
- 7. POWERSPEED® nozzle
- 8. Needle for cleaning of nozzle
- 9. Detachable container for detergents
- 10. Dosing regulator for detergents
- 11. Pressure gauge
- 12. Regulation of pressure / water volume
- 13. Hose reel

Specifications: See model tag of machine.

Sound pressure level L_{pA} measured in accordance with ISO 3744, EEC Directive 2000/14/EEC: 80 dB(A).

Hand/arm vibrations measured according to ISO 5349 is 2 m/s².

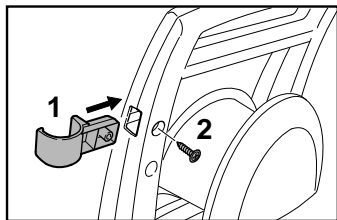
We reserve the right to alter the specifications.

1.0 Preparation

Before starting up your high pressure washer, we advise you to carefully read through this instruction manual. Follow all instructions to minimize the risk of injuries when using the machine.

Prior to operation

Before you start up your new machine for the first time, you must mount the holder for the spray lance. It is fixed at the top of the transport handle.



1. Insert the holder in the recess of the handle (see illu.).
2. Fix the holder with the screw.

Mount water filter and water inlet connection (3).

Mount the handle for the hose reel.

Before starting up your machine please check it carefully for any defects. If you find any, do not start up your machine and contact your Gerni distributor.

Especially check:

- The insulation of the electric cable should be faultless and without any cracks. If the electric cable is damaged, it should be replaced by an authorized Gerni distributor.

Mains power connection

The following should be observed when connecting the high pressure washer to the electric installation:

- Only connect the machine to an installation with earth connection.
- The electric installation shall be made by a certified electrician.
- It is strongly recommended that the electric supply to this machine should include a residual current device (GFCI).

Extension cable

Extension cables should be of a watertight construction and comply with the below-mentioned

requirements for length and cable dimensions.

| | | | |
|---------------------|-----|----|---|
| 1,5 mm ² | max | 20 | m |
| 2,5 mm ² | max | 30 | m |

- Cable connections should be kept dry and off the ground.
- Always uncoil the extension cable completely to avoid heat damage to the cable.

Water connection

Connect the high pressure washer by means of a water hose to the water tap (pressure of inlet water, max. 10 bar - temperature of inlet water, max. 60°C). You may use an ordinary ½" garden hose of **min. 5 m** and **max. 25 m**. Attach the hose using a quick connector. **NOTE:** Connection to the public mains according to regulations.

IMPORTANT! Only use water without any impurities. If there is a risk of running sand in the inlet water (i.e. from your own well), a filter should be mounted.

Safety precautions

- **WARNING!** High pressure jets can be dangerous. Never direct the water jet at persons, pets, live electrical equipment or the machine itself.
- The operator and anyone in the immediate vicinity of the site of cleaning should take action to protect themselves from being struck by debris dislodged during operation. Wear goggles during operation.
- Never try to clean clothes or footwear on yourself or other persons.
- Do not let children or people who have not read the instruction manual operate the machine.
- Never use the machine in an environment where there could be a danger of explosion. If any doubt arises, please contact the local authorities.
- It is not allowed to clean asbestos-containing surfaces with high pressure.



Safety devices

Locking device on spray gun

The spray gun features a locking device (4b). When the pawl is activated, the spray gun cannot be operated.

2.0 Operating Instructions

2.1 Operating facilities

- Start-stop rotary switch (2).
- Spray gun (4) with trigger (4a) and locking device (4b).
- Dosing regulator for detergents (10).
- Regulation of pressure / water volume (12).

2.2 Connection

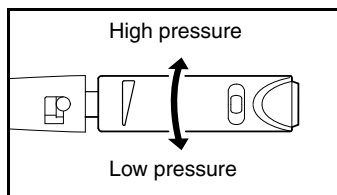
1. Unwind the high pressure hose completely.
2. Attach the nipple of the high pressure hose to the spray gun quick coupling.
3. Mount the nozzle or any other equipment you want to use.
4. Connect the machine to the water and power supplies.

2.3 Start

1. Check that the machine is in vertical position.
2. Activate the trigger of the spray gun (5a) and let the water run out until any air has escaped from the inlet hose.
3. Turn the start/stop switch (2) to pos. I.

2.4 Operation

1. **Always hold the spray lance firmly with both hands!** The spray lance is affected by a longitudinal thrust of up to 26.5 Nm when the high pressure washer is operated.
2. **Point the nozzle at the ground!**
3. Activate the trigger of the spray gun (4a).
4. Always adjust the distance and thus the pressure of the nozzle to the surface which is to be cleaned. **NOTE:** The pressure can be regulated on the TORNADO® PR nozzle or the button for regulation of pressure / water volume (12).



NOTE: Do not cover the machine during operation. If the machine is left or not used for 5 minutes, it must be switched off on the start/stop switch (2) pos. O.

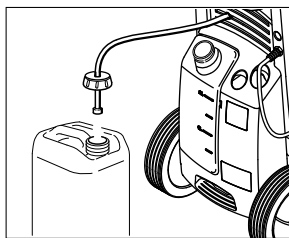
Operation with detergents

Application of detergents is **NOT** possible if an extension hose is applied.

1. Fill the container with a detergent.
2. Mount the TORNADO® PR nozzle and adjust it to low pressure (see section 2.4.4).
3. Adjust the dosing regulator (11) to the required volume of detergent (0-5%).
4. Apply the detergent from below and upwards.
5. Let the detergent act for the time stated on the packing of the detergent and flush with pure water.

Separate detergent container

1. Remove the cover with suction hose from the detergent container.
2. Mount the cover with suction hose on the separate detergent container.



The cover has a standard thread and fits common detergent containers. If your container does not have a standard thread, detach the filter from the suction hose and remove the cover. Remount the filter in the suction hose.

Extra detergent hose can be pulled out of the machine.

2.5 Regulation of pressure / water volume

Working pressure and water volume can be regulated on the machine by turning the button for regulation of pressure / water volume (12). The pressure can be read on the pressure gauge (11).

2.6 Suction mode

The machine can take in water from a rainwater tank or bucket as examples. **In the suction mode, the inlet hose must be filled with water before starting up the machine.** Place the entire hose in a tank or a bucket. To avoid water spillage, bend the water inlet hose in the water and then connect to the machine with the quick coupling and finally unbend the water inlet hose. The water inlet hose must not be too long, approx. 5 m.

1. Make sure that the water source is not placed on a lower level than the machine.

2. Attach the water inlet hose to the machine and place the other end of it in the water source.
3. Start the machine.
4. Detach the spray lance and activate the trigger of the spray lance. Keep the trigger activated until water has come out for approx. 15 seconds.
5. Remount the spray lance and the machine is ready for operation.

NOTE: The internal filter of the machine is not intended for the filtration of large quantities of impurities. If the water contains leaves, sand or the like, an external suction filter should be mounted. For further information, please contact your nearest Gerni distributor.

2.7 End of operation

1. Stop the machine by turning the start/stop switch (2) to pos. **O**.
2. Disconnect the plug from the socket.
3. Shut off the water supply and activate the trigger (5a) to relieve the machine of pressure.

Concerning storage, please refer to section 5.0.

3.0 Accessories

Standard Equipment

Only use original accessories.

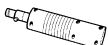
Nozzles

Attached with the bayonet coupling system. Stored on the machine.
Universal adjustable nozzle.
Turn to the left:
high pressure.
Turn to the right:
low pressure.
Nozzle with rotating jet for stubborn dirt on hard surfaces.

Tornado® PR (7)



Powerspeed® (8)



Optional Equipment

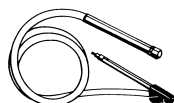
Drain & Tube cleaner

15 m long drain & tube cleaner for the cleaning of tubes and drains.



Water-sand-blasting equipment

For removal of paint and rust. Sand available from do-it-yourself shops.



Patio Cleaner

Equipment for quick and regular cleaning of horizontal (tiles etc.) and vertical surfaces.



4.0 Maintenance

WARNING! Always disconnect the plug from the socket prior to maintenance or cleaning.

To ensure a long and problem free working life, please take the following advice:

- Wash out water hose, high pressure hose, spray lance and accessories before mounting.
- Clean the couplings of dust and sand.

Any repair should always be made in an authorised workshop with original spare parts.

4.1 Cleaning of nozzle

A clogging up in the nozzle causes a lower water volume. This is why cleaning is required immediately.

1. Stop the machine and disconnect the nozzle.
2. Clean the nozzle with the cleaning needle (8).

IMPORTANT: The needle should only be used when the spray lance is detached!

3. Flush the spray lance backwards with water.

4.2 Cleaning of water inlet filter

Clean the water inlet filter regularly once a month or more frequently according to use.

1. Detach water inlet hose and coupling (3).
2. Pull out the filter and rinse it carefully.
3. Check that it is intact before re-mounting it.

5.0 Storage

The machine should be stored in a frost-free room!

Pump, hose and accessories should always be emptied of water prior to storing as follows:

1. Stop the machine (rotary switch (2) in pos. **O**) and detach water hose and accessory.
2. Restart the machine and activate the trigger. Let the machine run until no more water runs through the spray gun.
3. Stop the machine and unplug. Wind the electric cable round the hooks placed on the side of the machine.
4. Separate spray gun and high pressure hose.
5. Coil the high pressure hose up on the hose reel.
6. Place spray gun, nozzles and other accessories in the holders of the machine.

Should the machine by mistake be frozen, it will be necessary to check it for damage.

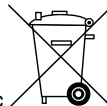
NEVER START-UP A FROZEN MACHINE.

Frost damages are not covered by the guarantee!

6.0 Recycling the washer

Make the old washer unusable immediately.

1. Unplug the washer and cut the electric cable.



Do not discard electrical appliances with household waste.

As specified in European Directive 2002/96/EC on old electrical and electronic appliances, used electrical goods must be collected separately and recycled ecologically.

Contact your local authorities or your nearest dealer for further information.

7.0 Questions and answers

Why must the high pressure washer be stored in a frost free room?

The machine may contain water which, when freezing, may damage vital parts.

How do I store my high pressure washer in the best possible way?

Always empty the high pressure washer of water by activating the trigger of the spray gun - after having disconnected the water supply.

Can I do anything special to keep my high pressure washer in a good condition?

Yes, beyond cleaning it carefully before set aside, it will be a good idea to lubricate the couplings now and then with grease or vaseline.

8.0 Trouble shooting

To avoid unnecessary disappointments, you should check the following before contacting the Gerni service organization:

| Symptom | Cause | Recommended action |
|---|---|--|
| Machine refuses to start | Machine not plugged in Defective socket Fuse has blown Defective extension cable | Plug in machine. Try another socket. Replace fuse. Switch off other machines. Try without the extension cable. |
| Machine stops | Fuse has blown Incorrect mains voltage Thermal sensor activated minutes | Replace fuse. Switch off other machines. Check that the mains voltage corresponds to specification on the model tag. Wait - the machine will start after a few minutes WARNING! The trigger of the spray gun must not be activated. |
| Fuse blows | Fuse too small | Change to an installation higher than the amp. consumption of the machine. You may try without the extension cable. |
| Machine pulsating | Air in inlet hose/pump Inadequate supply of mains water Nozzle partially blocked Water filter blocked Inlet hose kinked | Allow machine to run with open trigger until regular working pressure resumes. Check that the water supply corresponds to specifications required (see model tag) NB! Avoid using long, thin hoses (min 1/2") Clean the nozzle (see section 4.1) Clean the filter (see section 4.2) Straighten out hose. |
| Machine often starts and stops by itself | Pump/spray gun is leaking | Contact your nearest Gerni Service Centre. |
| Machine starts, but no water comes out | Pump/hoses or accessory frozen No water supply Water filter blocked Nozzle blocked | Wait for pump/hoses or accessory to thaw. Connect inlet water. Clean the filter (see section 4.2) Clean the nozzle (see section 4.1) |
| Pump pressure drops | Button for regulation of pressure / water volume not correctly adjusted | Adjust the button to correct working pressure. |

In case problems other than the above occur, please contact your local Gerni distributor.

9.0 Warranty conditions

Gerni guarantees high pressure washers for domestic use for 2 years. If your high pressure washer or accessories are handed in for repair, a copy of the receipt must be enclosed.

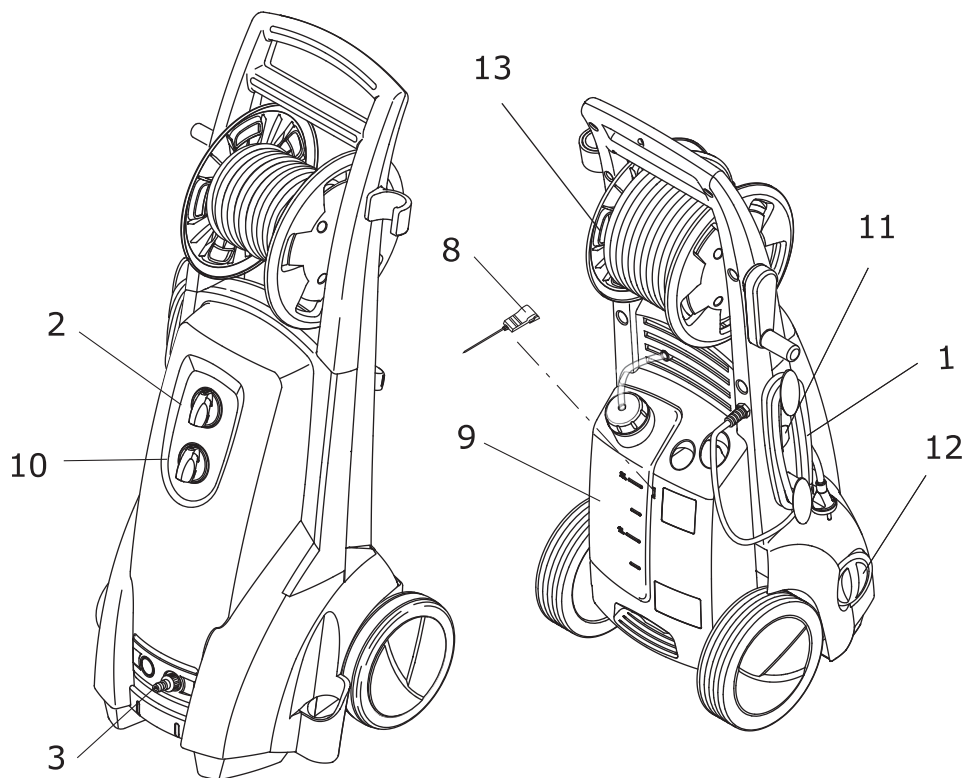
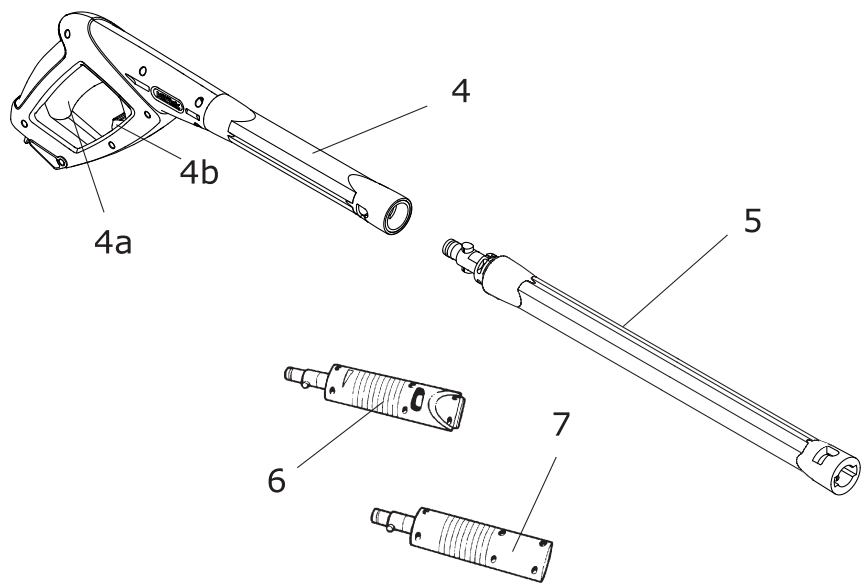
Guarantee repairs are being made on the following conditions:

- that defects are attributable to flaws or defects in materials or workmanship. (wear and tear as well as misuse are not covered by the guarantee).
- that the directions of this instruction manual have been thoroughly observed.
- that repair has not been carried out or attempted by other than Gerni-trained service staff.
- that only original accessories have been applied.
- that the product has not been exposed to abuse such as knocks, bumps or frost.
- that only water without any impurities has been used.
- that the high pressure washer has not been used for rental nor used commercially in any other way.

Repairs under this guarantee include replacement of defective parts, exclusive of packing and postage/carriage. Besides, we refer to your national law of sale.

Repairs not covered by the guarantee conditions will be invoiced. (I.e. malfunctions due to **Possible Causes** mentioned in section **Trouble shooting Chart** of the instruction manual).

Please phone 1300 733 171 (Australia) or 09 9682610 (NZ) for service or warranty assistance only after checking possible causes in the trouble shooting chart on page 8.



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