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12-03-2007978



KÄRCHER

K 7.20 MX
720 MX

English



Operation

⚠ Serious danger!

Vehicle tyres and tyre valves can be damaged by the high-pressure jet and become perforated. The first sign of this is a discoloration of the tyre. When cleaning them maintain a distance of at least 30 cm.

Never grasp the power plug with wet hands.

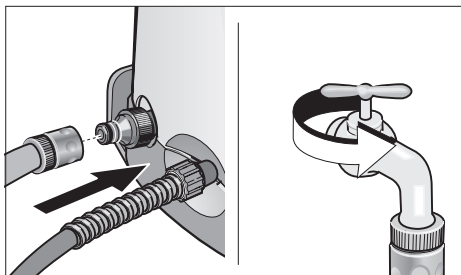
Before each use check the power cord and power plug for damage. Have a damaged power cord replaced immediately by an authorized Kärcher service point or an electrical specialist.

Before each use check the high-pressure hose for damage. Replace a damaged high-pressure hose immediately.

⚠ Danger of injury!

Owing to the water jet emerging from the high-pressure nozzle a recoil force operates on the handgun. Ensure you have a secure footing and hold the handgun and spray lance firmly.

If necessary wear protective clothing for protection against return spray.



Water supply

The unit can either be supplied from the water main or from water in an open container.

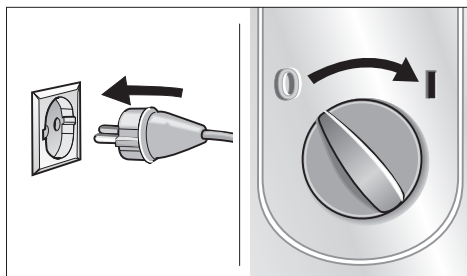
Water supply from the water main

- Connect a supply hose (not included) to the water inlet of the unit and to the water supply (e.g. water tap).
- Open the water supply.

Water supply from an open container

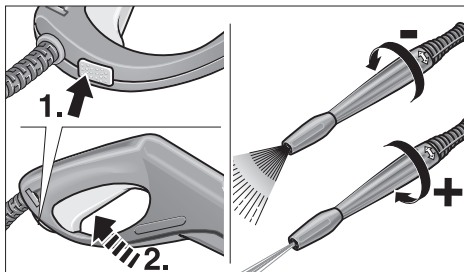
- Unscrew the coupling part for the water inlet.
- Screw the suction hose with filter (not included, see “Special accessories”) onto the water connection of the unit.
- Hang the filter in the container.
- Vent the unit before operation.
 - Unscrew the high-pressure line at the high-pressure outlet of the unit.
 - Switch on the unit and let it run until water free of bubbles emerges at the high-pressure outlet.
 - Switch off the unit and screw on the high-pressure hose again.

Operation



Preparation

- Insert power plug.
- Turn master switch to "I".



Switching on

- Press safety button on the handgun and pull the lever.

Switching off

- Release the lever.

During breaks in work and when leaving the unit secure it against inadvertent switching on by pressing the safety button.

Regulate operating pressure/ flow rate

Raise operating pressure:
twist spray lance in direction "+".

Reduce operating pressure:
twist spray lance in direction "-".

Connect accessories

Depending on the model the following accessories are either included in the scope of delivery or are obtainable from specialist dealers (see also "Special accessories").

- Exchange the respective accessory with the spray lance.

Wash brush

for large, smooth surfaces – e.g. on the automobile, caravan or boat.

Cleaning agent can be added.

Rotating wash brush

for gentle and thorough cleaning – e.g. bodywork and glass surfaces.

Cleaning agent can be added.

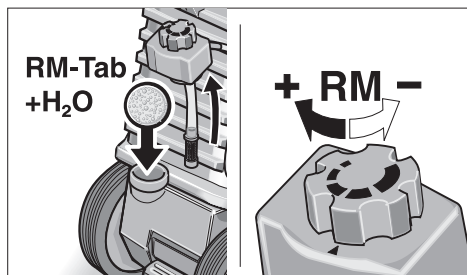
Rotary nozzle

for stubborn accumulations of grime – e.g. moss-covered promenade tiles or facades.

Work without cleaning agent and with the highest operating pressure.

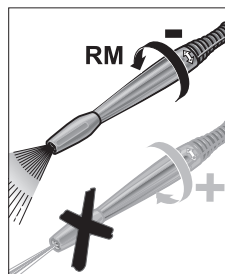
EN

Operation



Adding the cleaning agent

- Fill the detergent reservoir with
..... Detergent tablet and water or
..... Detergent concentrate and water.
Observe metering recommendations on the packaging label of the detergent.
- Meter out the cleaning agent (cleaning agent metering valve)
 - medium quantity: centre-position
 - large quantity: “+” position
 - small quantity: “-” position.



- Twist the spray lance in the “-” direction until the stop.

Recommended cleaning method

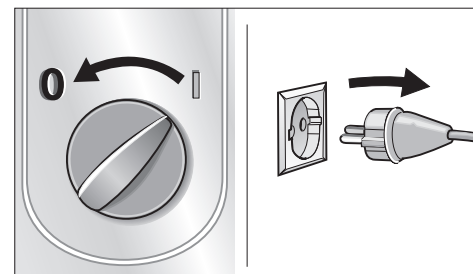
1. Spray the cleaning agent on the dry surface sparingly and let it react (but not dry out).
2. Wash off the loosened dirt with the high-pressure jet.

Cleaning agents

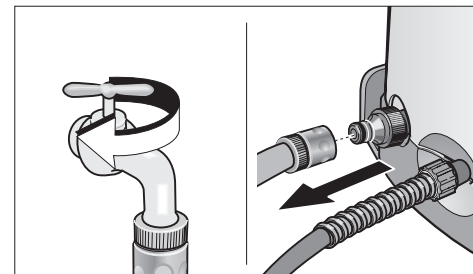
For trouble-free operation and for matching to the relevant cleaning task we recommend our Kärcher cleaning agents and care range. Please let us advise you or ask for information about them. Here is a small selection:

Universal cleaner	Profi RM 555 ULTRA
Automobile cleaner	Profi RM 565 ULTRA
House and garden cleaner	Profi RM 570 ULTRA
Boat cleaner	Profi RM 575 ULTRA

Finishing operations



- Master switch to “0”.
- Draw out power plug.



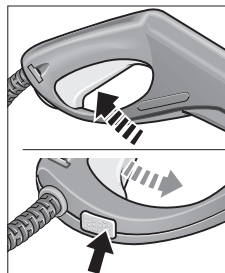
When the water has been supplied from the water main

- Close the water supply tap.
- Separate the unit from the water connection.

When the water has been supplied from an open container

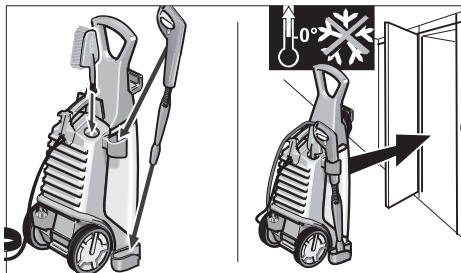
- Unscrew the suction hose with filter at the water inlet of the unit.

Finishing operations



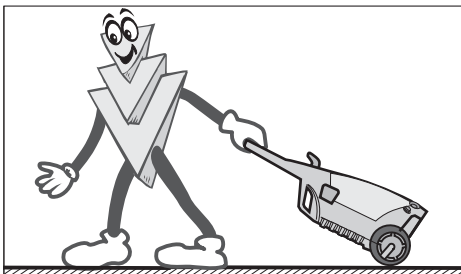
- Pull the lever on the handgun until the unit is without pressure.
- Press in the safety button to protect the unit against inadvertent switching on.
- Wind the high-pressure hose.

Safekeeping / Transportation



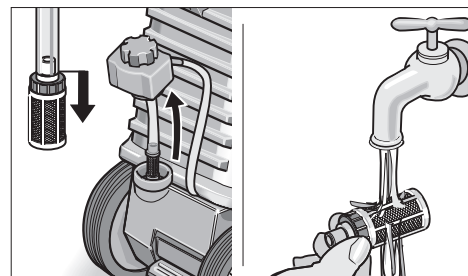
Caution! Frost can destroy an incompletely emptied unit. In the winter keep the unit in a frost-free room.

- Separate the spray lance from the handgun and place it in its holder.



- Switch off the unit before transporting it.
- To transport it over stairs or obstacles lift the unit at the transportation handle.
- To transport the unit over even surfaces draw it by the drawing bar.

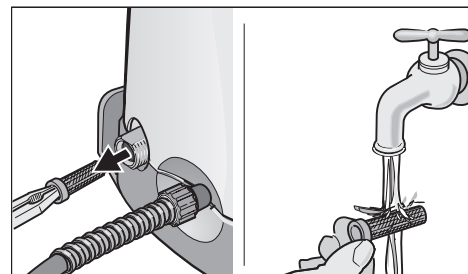
Care and Maintenance



Cleaning

Before long periods of storage, e.g. in winter:

- Pull the cleaning agent metering valve off the cleaning agent suction hose and clean it under running water.



- Pull out the strainer in the water inlet with flat-nose pliers and clean it under running water.

Maintenance

The unit is maintenance-free.

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Help with faults

Faults often have simple causes which you can rectify yourself with the aid of the following summary. In case of doubt or of faults or remedies not mentioned here apply to the authorized customer service.



Danger of electric shock!

Repair work on the unit can only be carried out by the authorized customer service.

Inrush currents cause short-time voltage drops. Under unfavourable power supply conditions other equipment may be affected. If the system impedance of the power supply is $< 0,15 \text{ Ohms}$, disturbances are unlikely to occur.

Customer Service

In the case of questions or faults our Kärcher branches will be pleased to assist you further.

Replacement parts

Use exclusively Kärcher original replacement parts. You will find a replacement parts summary at the end of these operating instructions.

Fault	Cause	Remedy
Unit does not run	Power supply interrupted	Draw out power plug! Check power cord, power plug, extension cable and cable connections for damage
Unit does not come up to pressure	Spray lance set to “-”	Set spray lance to “+”
	In suction operation – unit not vented	Vent unit, see “Operation”
	Strainer in water inlet blocked	Clean strainer, see “Care and Maintenance”
	Water supply quantity too low	Check the water supply to the water inlet of the unit for leaks and throughput
Strong pressure fluctuations	High-pressure nozzle in spray lance blocked	Take off the spray lance, clean the hole in the high-pressure nozzle with a needle and rinse through with water again
Water comes out of the housing underside	Pump leaking	3 drops per minute are acceptable. For greater leakages contact the customer service
Cleaning agent is not drawn in	Spray lance set to “+”	Set spray lance to “-”
	Cleaning agent valve in the cleaning agent suction hose blocked	Clean cleaning agent metering valve, see “Care and Maintenance”

Technical Data

Power supply

Voltage (at 1~50 Hz)	230 V
Connected load	3,0 kW
Supply fuses (time-lag)	16 A
Safety class	1, IP X5

Water connection

Supply temperature (max.)	60 °C
Supply volume (min.)	10 l/min
Supply pressure (max.) (12 bar)	1,2 MPa

Performance data

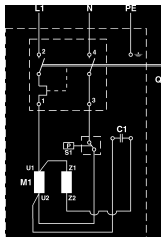
Operating pressure (140 bar)	14 MPa
Pump pressure max. (150 bar)	15 MPa
Flow rate (550 l/h)	9,2 l/min
Cleaning agent metering	0,6 l/min
Suction height from open container (20°C) 1 m	
Recoil force of the handgun	26 N
Hand-transmitted vibration (ISO 5349)	0,8 m/s ²
Sound pressure level L _{PA} (EN 60704-1)	73 dB(A)
Sound power level L _{WA} (2000/14/EC)	95 dB(A)

Dimensions

Length/Width/Height	340/325/900 mm
Weight	22,5 kg

Circuit Diagram

- C1 Running capacitor
M1 Motor
S1 Pressure operated switch
Q1 Appliance switch
with motor protection



Special accessories

Special accessories expand the scope of use of your machine. You can obtain further information from your Kärcher dealer.

See page 62 for illustrations.

- 1 Rotary nozzle
- 2 Spray guard for rotary nozzle
- 3 Pipe-cleaning set
- 4 Rotating wash brush
- 5 Wash brush
- 6 Wet blasting set
- 7 Flexible spray lance
- 8 Three-way nozzle with spray lance
- 9 Spray lance for places which are difficult to access
- 10 Floor spray lance
- 11 Spray lance extension
- 12 High-pressure hose
- 13 Hose extension
- 14 Large volume suction set
- 15 Suction hose with filter
- 16 Water filter
- 17 Non-return valve
- 18 T-Racer

Guarantee

In each country the guarantee conditions issued by our responsible sales company are applicable. We clear any faults occurring in the unit free of charge during the period of guarantee providing the cause is a fault in a material or in the manufacture.

In the case of a claim under the guarantee please contact your dealer or the nearest authorized customer service point, accompanying your claim with accessories and purchase voucher.

EU Declaration of Conformity

We hereby declare that the equipment described below conforms to the relevant fundamental safety and health requirements of the appropriate EU Directives, both in its basic design and construction as well as in the version marketed by us. This declaration will cease to be valid if any modifications are made to the machine without our express approval.

Product: High-pressure cleaner

Model: 1.034-xxx

Relevant EU Directives:

98/37/EC

73/23/EEC (+ 93/68/EEC)

89/336/EEC (+ 91/263/EEC, 92/31/EEC, 93/68/EEC)
2000/14/EC

Harmonised standards applied:

DIN EN 55014 - 1: 2000 + A1: 2001

DIN EN 55014 - 2: 1997

DIN EN 60335 - 1

DIN EN 60335 - 2 - 79

DIN EN 61000 - 3 - 2: 2000

DIN EN 61000 - 3 - 3: 1995 + A1: 2001

Conformity assessment procedure followed:

Annex V

Sound power level

Measured: 93 dB(A)

Guaranteed: 95 dB(A)

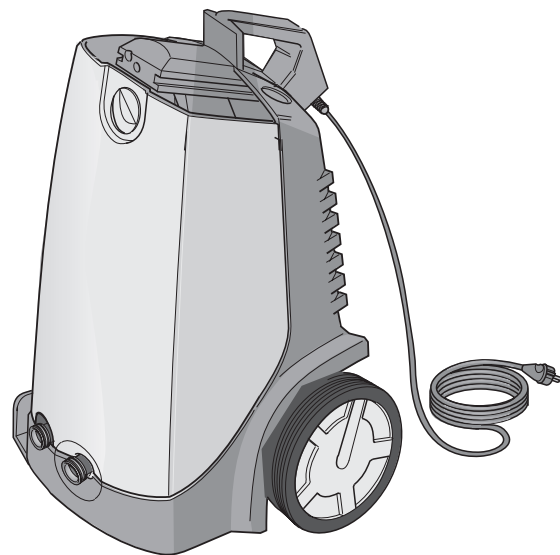
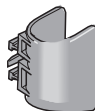
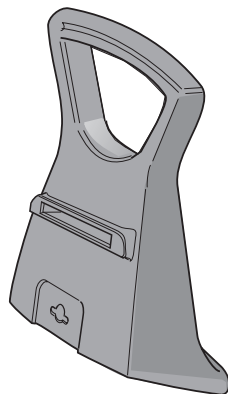
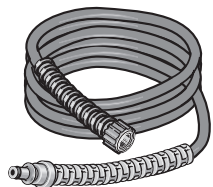
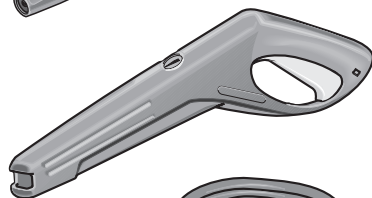
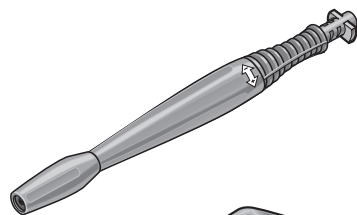
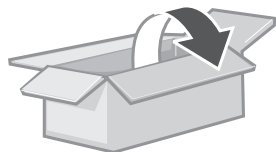
Appropriate internal measures have been taken to ensure that series-production units conform at all times to the requirements of current EU Directives and relevant standards. The signatories are empowered to represent and act on behalf of the company management.

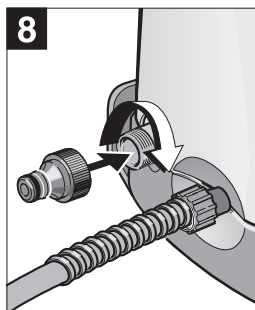
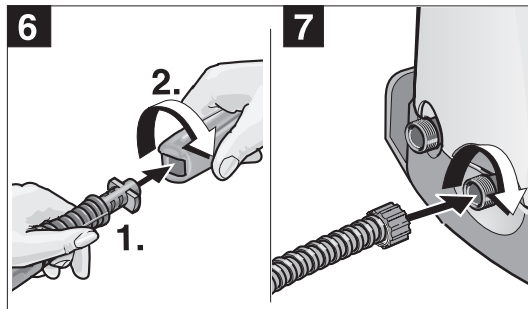
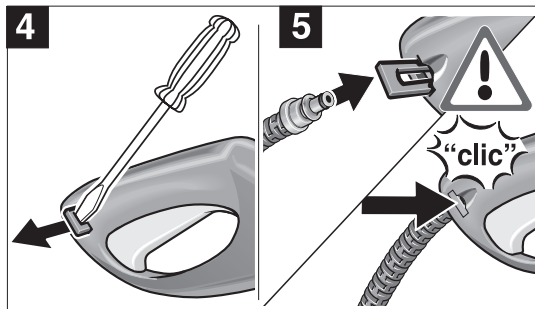
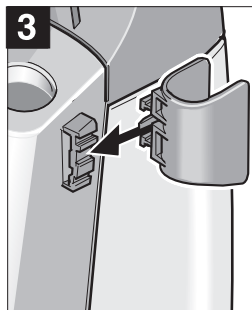
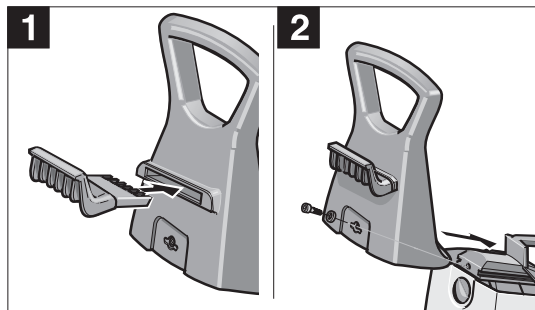
5.957-238 (11/02)

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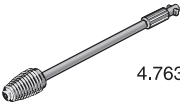
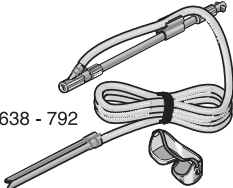
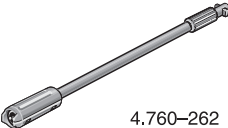
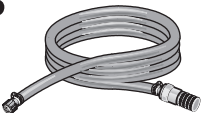
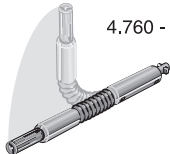
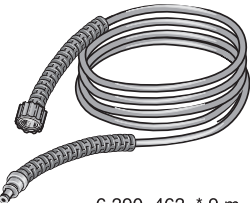
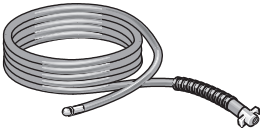
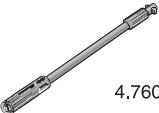
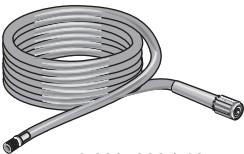
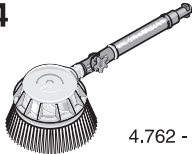
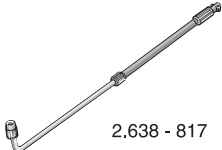
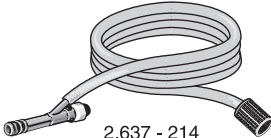
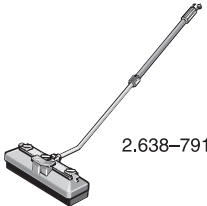
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S. Reiser

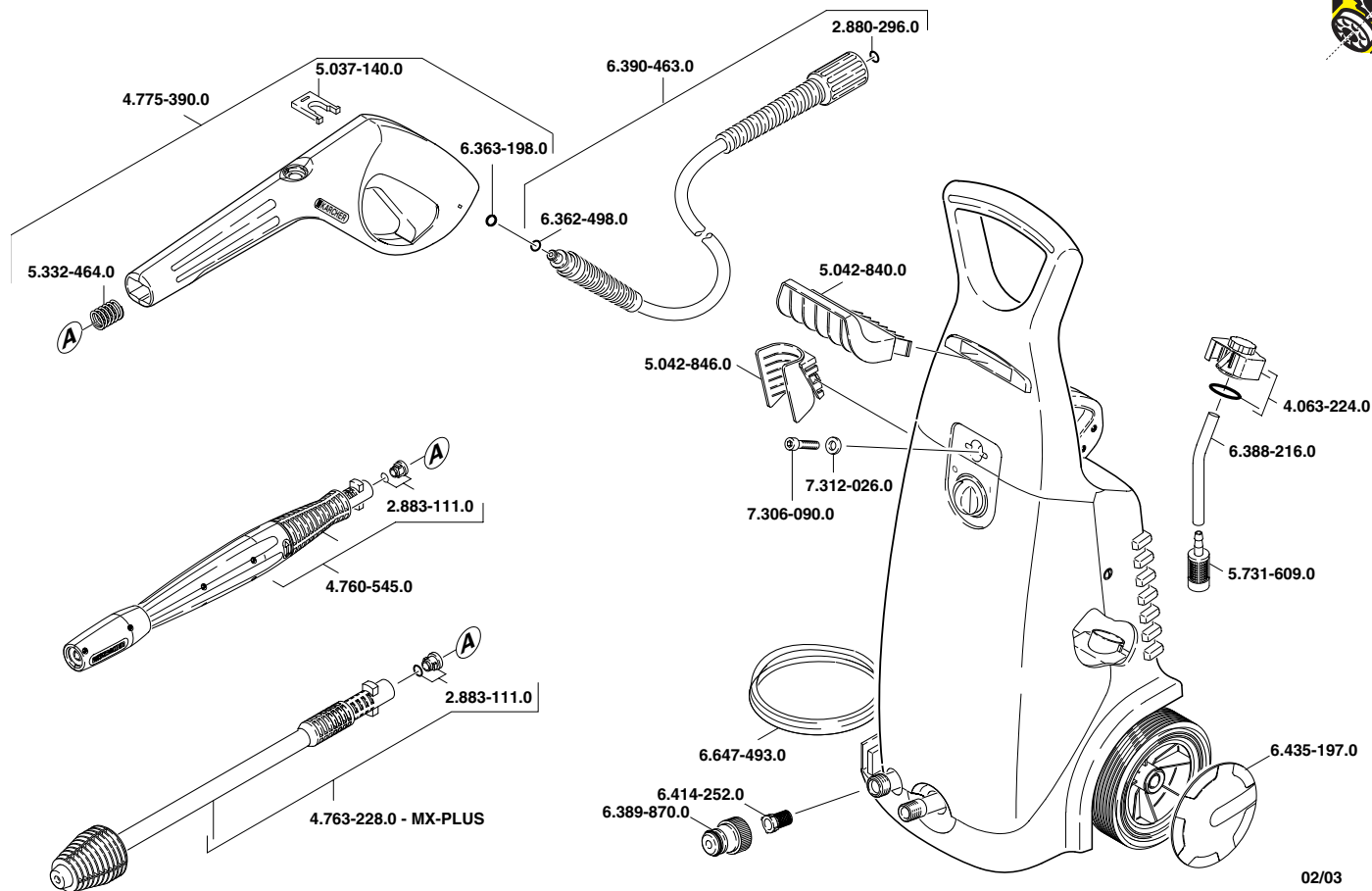
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H. Jenner







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