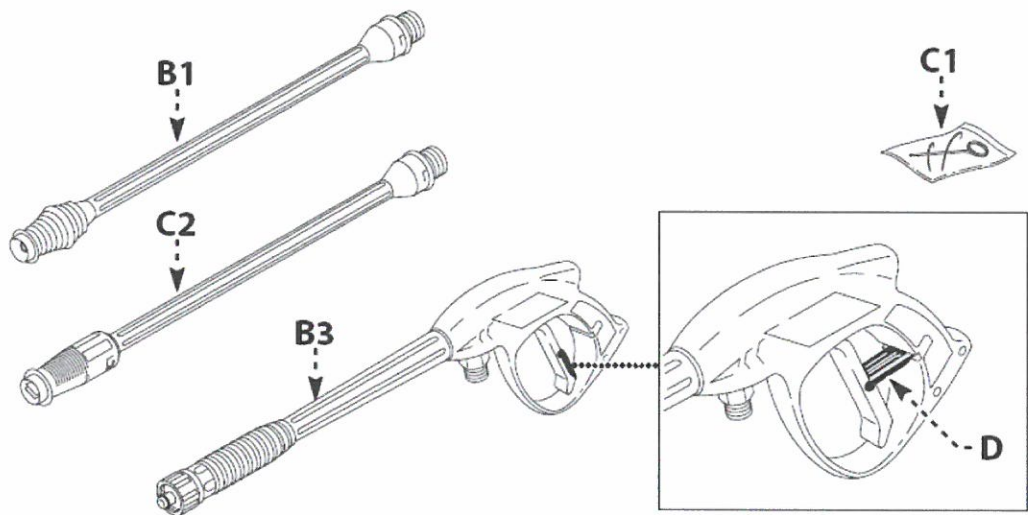
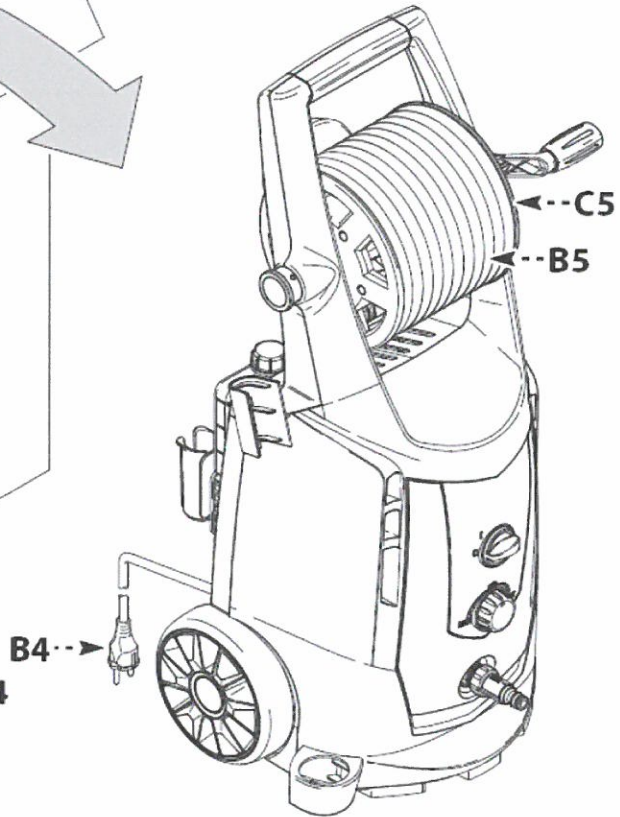
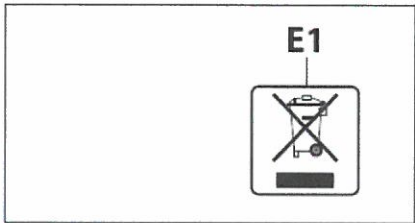
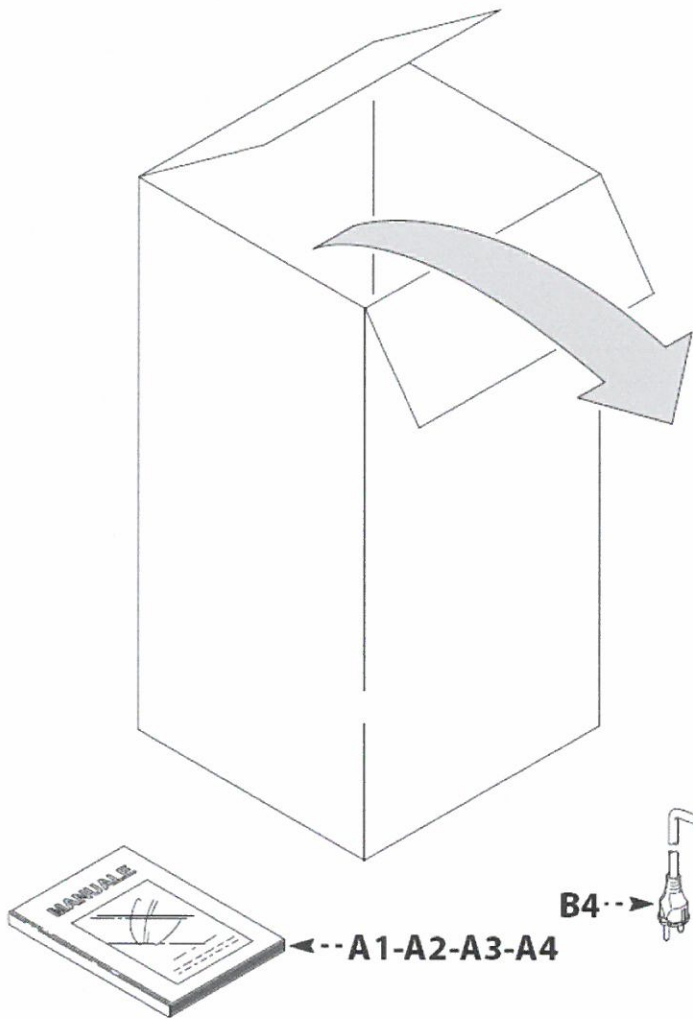


Manual High-Pressure Cleaner Mini-Jet KW 600

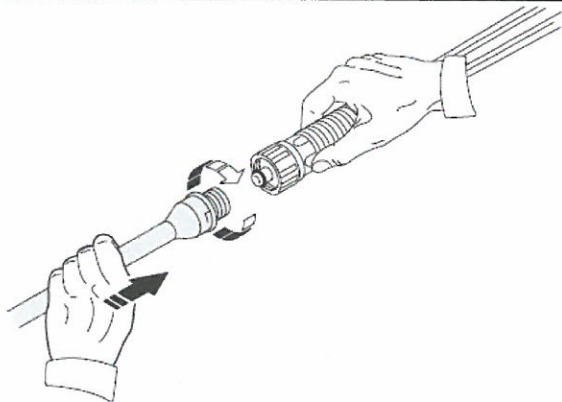


Perfection is our aim

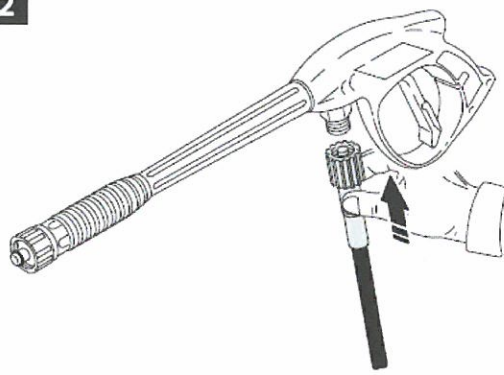




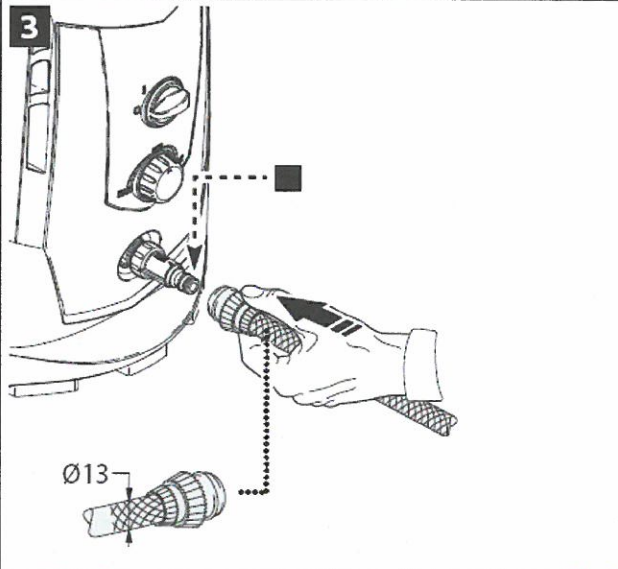
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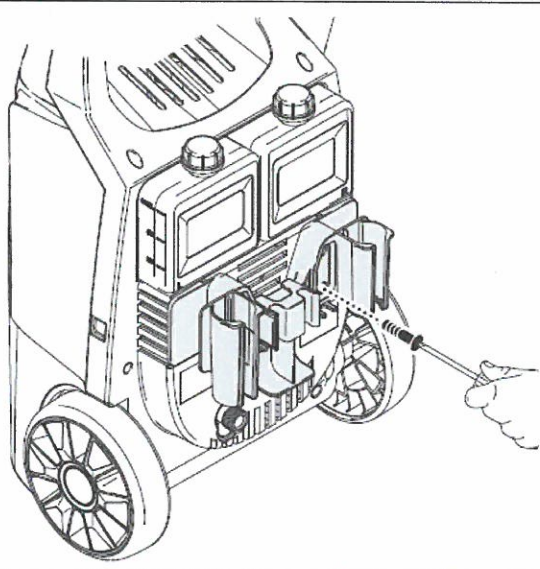
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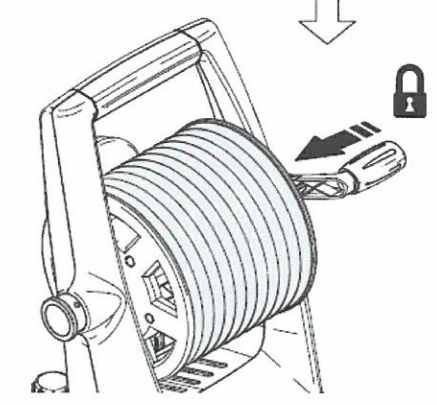
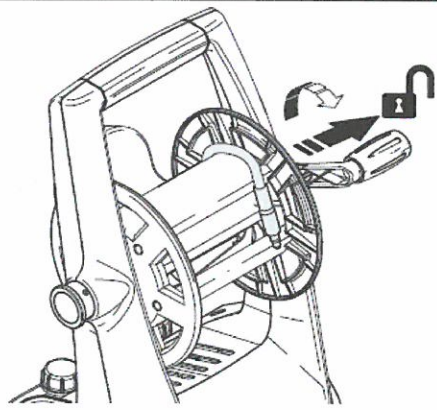
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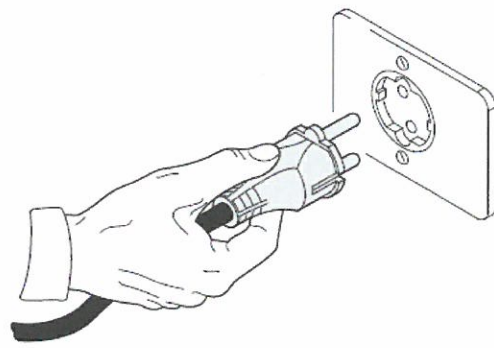
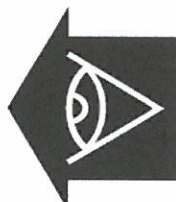
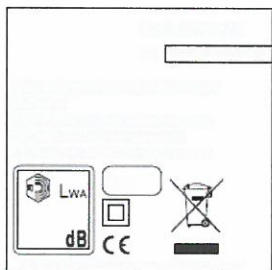
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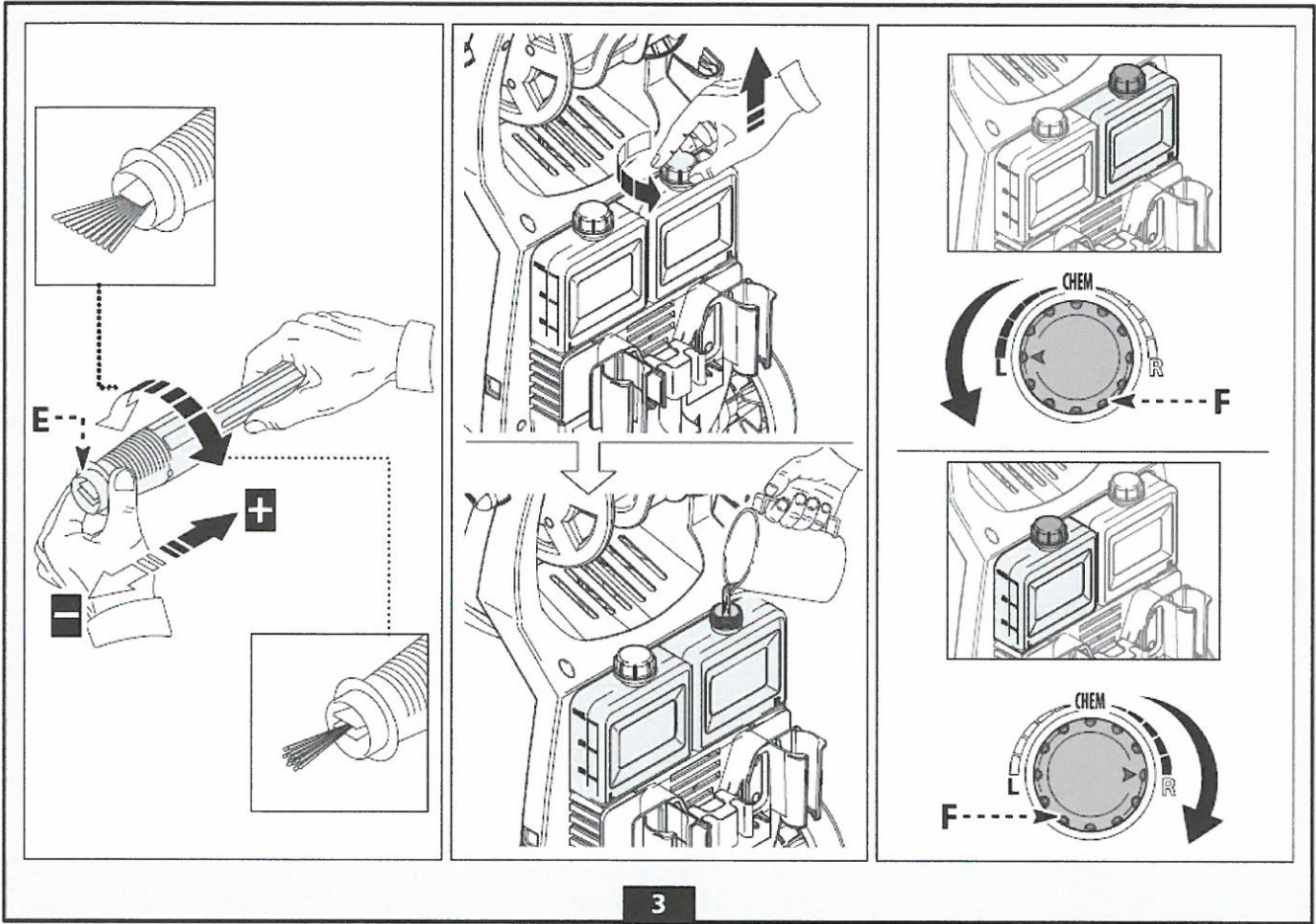
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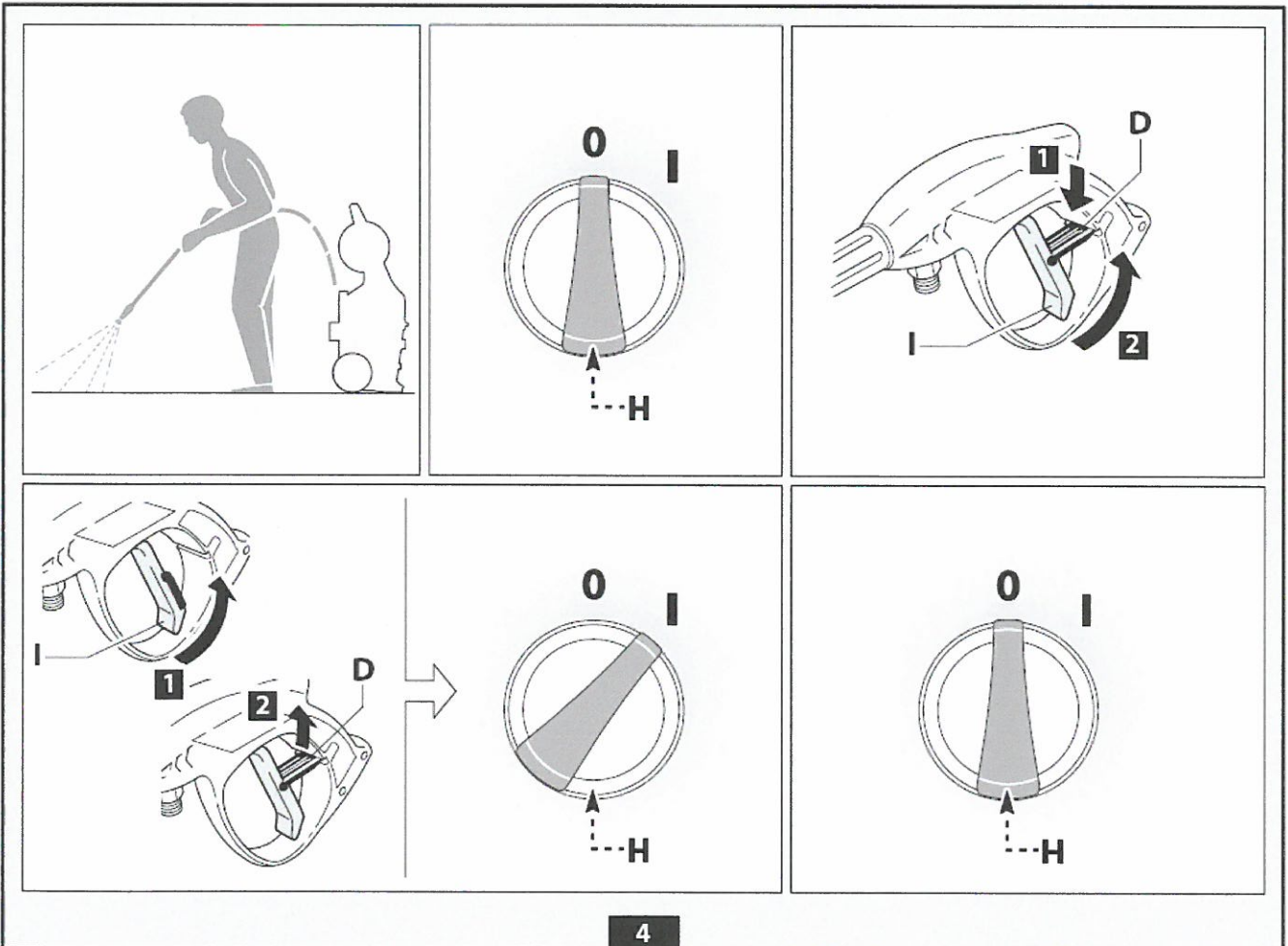
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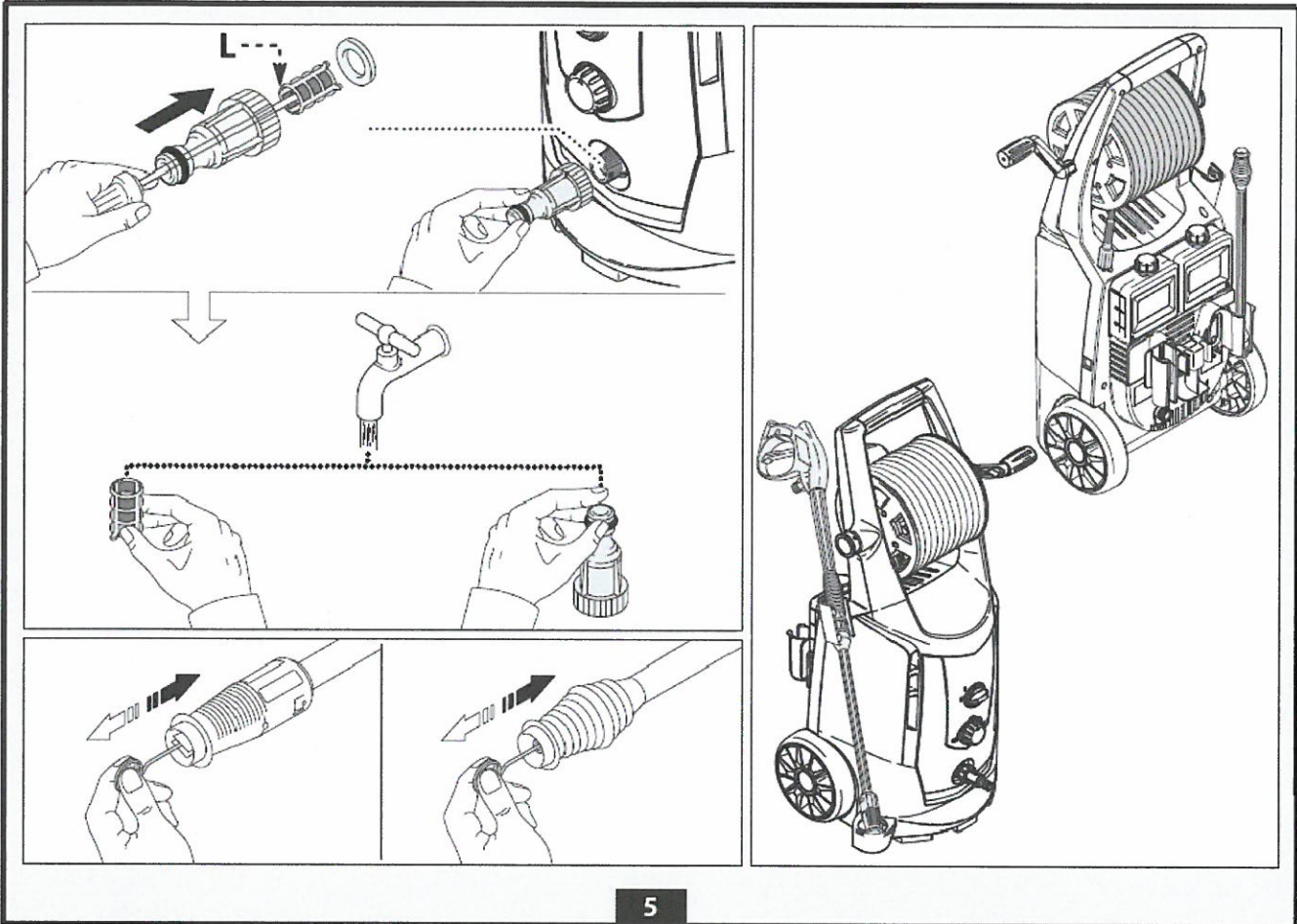
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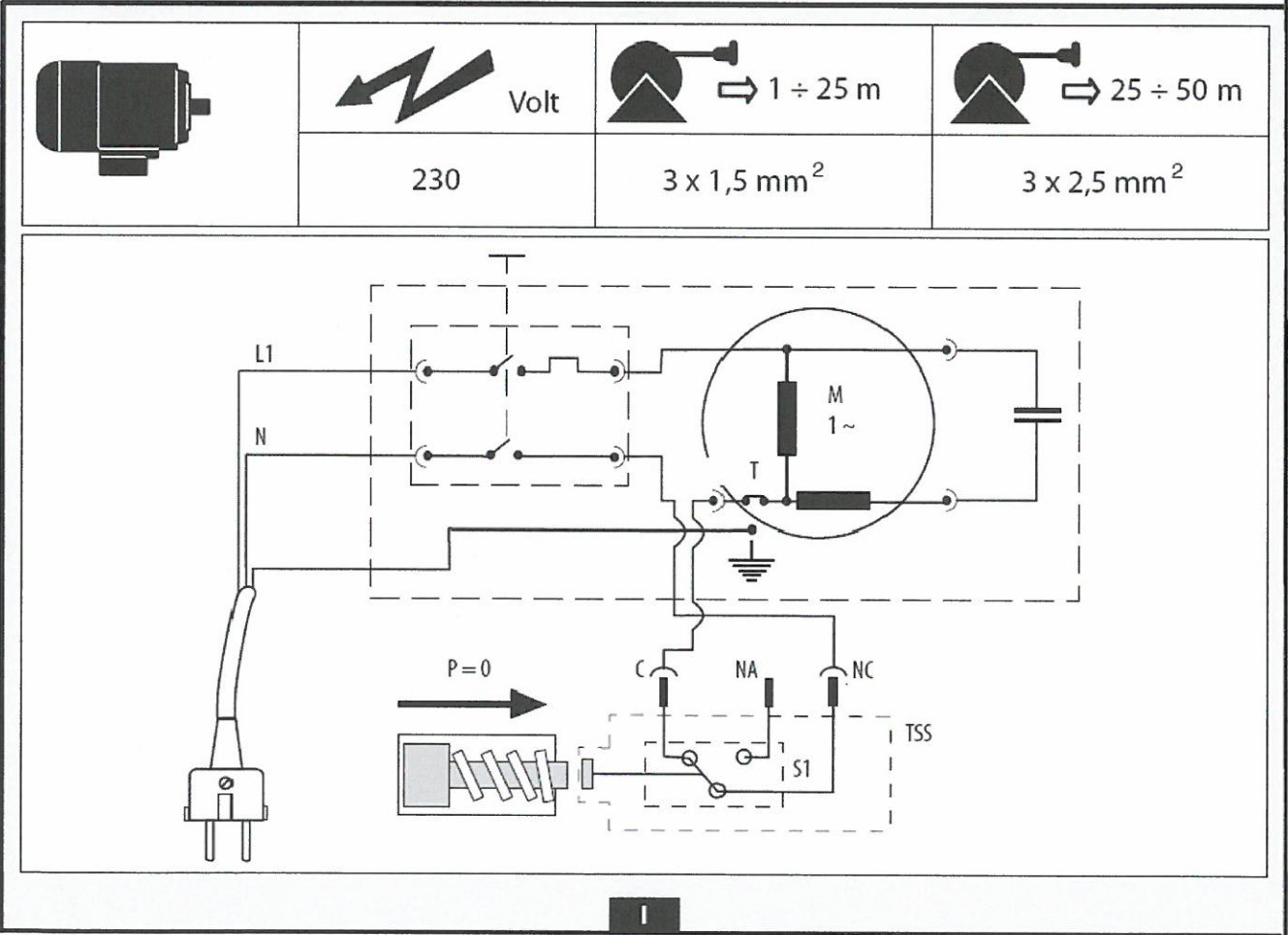
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1. **ATTENTION!!!**

Before leaving the machine, generally shut off the main switch and release the pressure in the unit by pulling the trigger of the gun.

2. **INTENDED USE**

WILMS-High-pressure cleaner Mini-Jet KW 600 is designed in regard of all cleaning problems which have to be solved with cold-water units.

Use of this high-pressure cleaner is equally in fleet and vehicle-companies, in industry and agriculture, crafts, construction companies, in enterprises of the food sector, campsites, swimming pools and in many other areas.

3. **TECHNICAL DATA**

Type:		KW 600
Water-volume:		600 l/h
Max. operating pressure:		160 bar
Working-temperature:		50 °C
Working-pressure:		150 bar
Voltage:	AC	230 V/ 50 Hz – Single phase
Pre-fuse:		16 A
Water pump:		3-Pistons-Highpressure pump, in Oil bath running
Motor:		230 V/50 Hz, 3.0 kW
High-pressure hose:		12 m
Dimensions:	L x W x H:	380 x 330 x 840 mm
Weight:		24 kg

4. DESCRIPTION

4.1. CONSTRUCTION

WILMS-High-pressure cleaner Mini-Jet KW 600 is designed in regard of all cleaning problems which have to be solved with cold-water units, in particular for the private sector, for hobby and commercial, for the cleaning of lawn mowers, garden furniture, terrace, awnings, etc., and for agriculture.

The main components are the special high-pressure pump with electric motor and the detergent injector.

The dosage of the chemicals occurs about an injector. The 12 m long high-pressure hose with safety gun is easily detachable and connected with a thread coupling.

4.2. FUNCTIONAL PRINCIPLE

The pump aggregate generates the operating pressure. The vario nozzle turns the strong water spray into a wide angle resp. straight spray by turning the nozzle cover.

If detergent is to be supplied, the nozzle cap is to be pushed forward. Only then, detergent is sucked in.

4.3. SET-UP

The KW 600 is portable and not bound to a special location. It may not be set-up in explosion endangered areas.

5. INSTALLATION

Scope of delivery, Picture 1:

A1: Manual

A3: EC-Declaration of Conformity

B1: Dirt killer

C2: Adjustable Lance front part

B3: Lance rear

B4: Power cord

B5: HP hose

C1: Cleaning tool for nozzle head

C5: Hose reel

5.1. MEASURES BEFORE INSTALLATION

ATTENTION !

The unit may be operated only in upright position.

5.2. CONNECTING THE MACHINE

5.2.1. Power supply, Picture 2

The WILMS high-pressure cleaner is standard equipped with a schuko-plug, 230 V / 50 Hz, single phase, max. fuse 16 A. The socket has to be properly earthed. When using an extension cord, they have to be equipped with a protection lead. Extension cords have to be rolled off completely.

5.2.2. Water connection, Picture 2

Screw the supplied inlet filters on the nipple. The water connection requires a 1/2"-hose.

The local regulations about the connection to a water supply net have to be obeyed.

5.2.3. High-pressure hoses and spray equipment

The high-pressure hoses and spray equipment are properly marked and match the requirements for using the WILMS high-pressure cleaner.

In case of replacement, there may only high-pressure hoses be used which also will withstand the mechanical, thermal and chemical demands and which are marked according to the original high-pressure hoses.

The high-pressure hose has a screw joint. The connection to the machine and spray gun can be done easily.

6. DETERGENTS

We recommend the use of WILMS detergents because only for these detergents the material compatibility, a troublefree operation and a long lifetime of the high-pressure cleaner is guaranteed. In the WILMS detergent list for every detergent the proper use and the dilution are given.

If other detergents are to be used, you have to get the approval of the manufacturer first. If unsuitable detergents are being used, there will be no guarantee.

The directions of use have to be obeyed. If necessary you have to wear gloves, goggles or protective clothes.

In order to avoid dangerous mixtures you have to rinse the entire pressure system with clear water before any change of detergents.

6.1. OPERATING TEMPERATURES

WILMS cold-water high-pressure cleaners can be operated with warm water. The max. inlet temperature may not exceed 50 °C. With higher inlet temperatures the water in the suction area is heating up uncontrolled by the developing low pressure. This causes lack of water (Cavitation) which causes excessive wear of the pump.

7. OPERATION Picture 2 / Picture 4

Connect the unit to the water tap. Connect the machine to a 230 V / 50 Hz socket. Turn the machine on the main switch on (ON/1) and rinse for a few moments (remove air).

Turn the machine off.

Assemble lance and gun and connect to high-pressure hose.

Pull trigger of the gun.

Switch the machine on again. The high-pressure cleaner operates immediately with maximum pressure.

When closing the gun the machine shuts off (total stop).

Filling of detergent tank (right or left) Picture 3

When adding detergents spray the detergent first on the object you want to clean. The detergent immediately starts to work and loosens the dirt. Push nozzle cap to the front.

Turn knob of the metering valve to position L (left tank) or R (right tank). This way you can also regulate the flow (min-max).

After finishing spraying the detergent, pull nozzle cap back and wash the object with full pressure from bottom to the top and rinse afterwards from top to bottom.

Take care of the high-pressure hose and avoid unnecessary kinks of the hose or pulling the hose.

7.1. PRECAUTIONS AGAINST FROST

The KW 600 can be protected against freezing during the winter months by filling in antifreeze.

Store the KW 600 generally in frost-free rooms only. A simple draining of the unit does not protect against frost damage. If storage in a frost-free room is not possible the unit has to be protected by suction of antifreeze after every use.

8. HOW TO STOP THE CLEANER

The final operation should generally be „rinsing“, this means pump and hose system are rinsed with clear water without any additive.

Shut off the machine on main switch.

Release pressure in the machine by pulling the trigger of the gun. If not used for a longer time, protect machine against freezing if necessary.

9. RESTARTING

Before restarting the machine check for impeccable condition. Check especially electrical supply, high-pressure hose and gun and the wand assembly. Eliminate possible faults. Before starting work it is recommended to rinse the machine with clear water.

10. MAINTENANCE

The WILMS high-pressure cleaner does not require much service. The machine has of course to be kept in a clean general condition. Clean suction screens regularly.

Clean water filter regularly Picture 5.

If the nozzle is clogged you can clean it with the delivered nozzle tool.
Blow with an airstream from front to rear through the lance afterwards.

11. TROUBLE-SHOOTING

Electrical repairs and Service may be done only by an authorized electrician.

FAULTS	CAUSES	REMEDIES
Pump does not reach maximum pressure	Nozzle worn Water filter clogged Insufficient water supply Air is being sucked Air in the pump Nozzle head not properly adjusted	Replace nozzle Clean filter Open water tap completely Check connections Shut off the unit, pull trigger of the gun, wait until you have a constant water spray and turn on again Turn nozzle head
Pressure variances of the pump	Water inlet temperature too high. Nozzle clogged Suction filter dirty	Reduce inlet temperature Clean nozzle Clean filter
The electric motor „hums“, but does not run	Voltage too low Voltage drop caused by extension cable Long-term shut off Problems with the TSS	Check electrical supply Check extension cable Contact service Inform service
Electric motor does not run	No power supply Problems with the TSS Unit stands still for a longer time	Do you have power supply? Is the electrical plug properly connected? Contact service Remove blocking of motor
Water leak	Gaskets are worn Triggering of safety valve	Replace gaskets Contact service
Noisy operation	Water temperature too high	Reduce temperature
Oil leak	Gaskets are worn	Contact service

FAULTS	CAUSES	REMEDIES
<u>For TSS (Total Stop System) only:</u>		
Unit starts with closed gun	Gasket in the high-pressure system or in the pump circuit defective	Contact service
<u>For TSS only:</u>		
Pulling trigger of gun but no water comes	Nozzle clogged	Clean nozzle
No suction of detergent	Adjustable nozzle head is set to high-pressure	Set nozzle head to „-“, (Picture 3)
	Detergent viscous	Dilute with water
	High-pressure hoses too long	Use original high-pressure hoses only
	Detergent line clogged or squeezed	Clean with clear water, suction line may not be squeezed

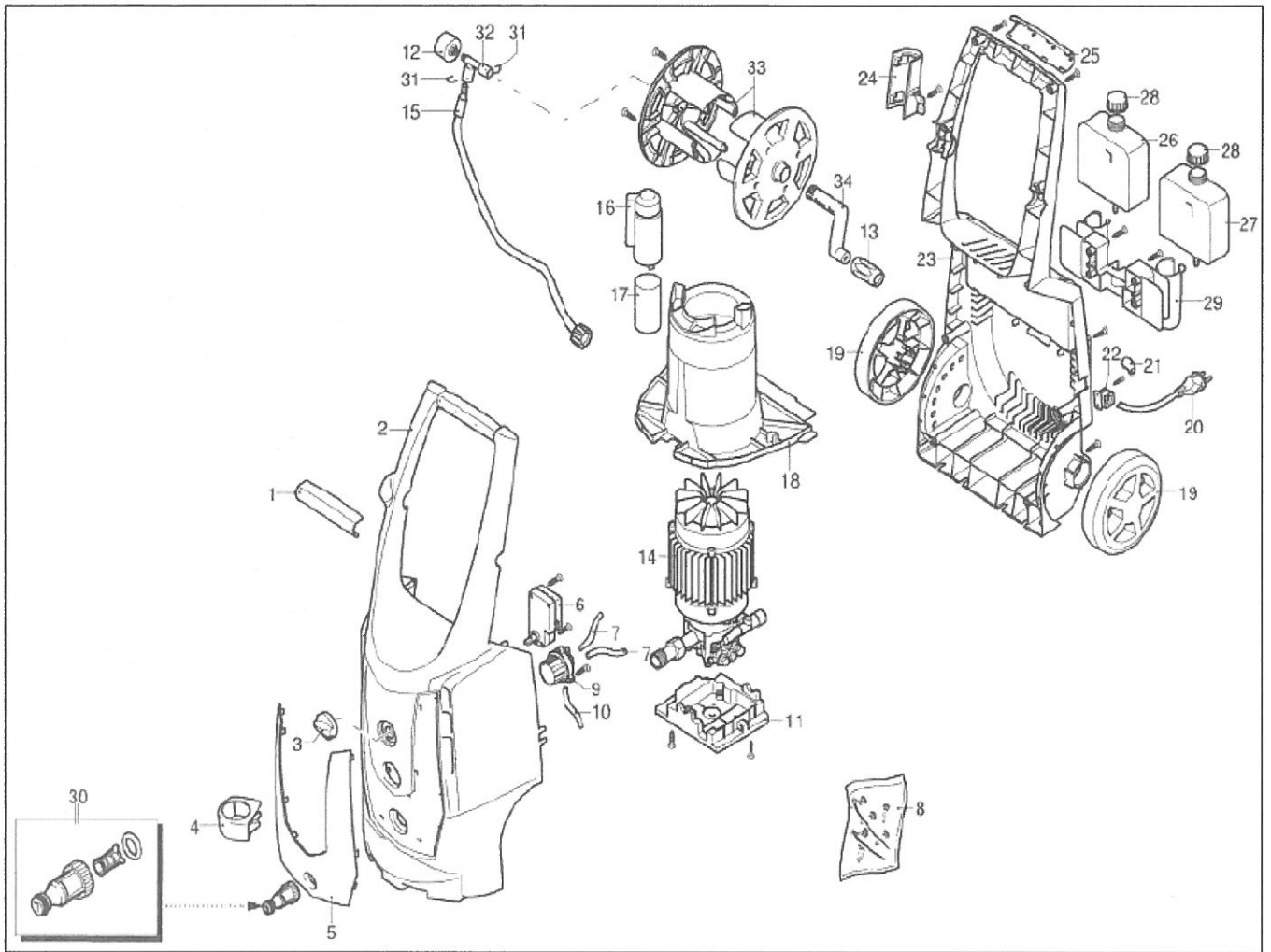
Should the motor stop during operation and not start again, wait for 2 to 3 minutes before restarting (Triggering of the motor protection switch).

If this fault occurs repeatedly call the service.

SPARE PARTS LIST

KW 600

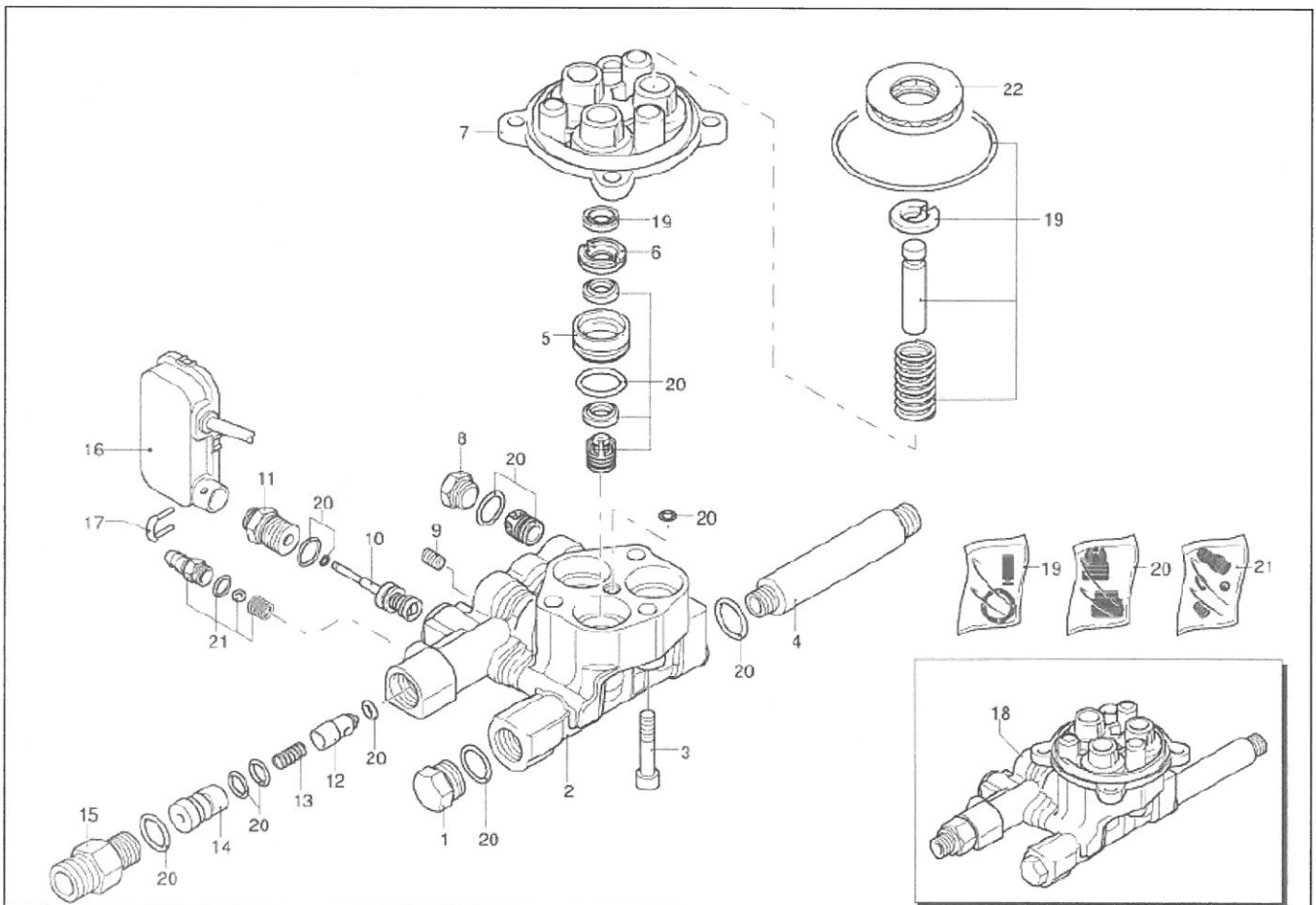
<u>Pos.</u>	<u>Order-No.</u>	<u>DESCRIPTION</u>	<u>Qty.</u>
01	1136100	Handle	1
02	1136101	Housing	1
03	1136102	Selection knob	1
04	1136103	Holder	1
05	1136104	Cover	1
06	1136105	Switch housing	1
07	1136106	Hose	2
08	1136107	Kit P 4-14	1
09	1136108	Metering valve	1
10	1136109	Hose	1
11	1136110	Holder	1
12	1136111	Gauge	1
13	1136112	Handle	1
14	1136113	Motor and pump complete	1
15	1136114	Hose	1
16	1136115	Holder	1
17	1136116	Capacitor	1
18	1136117	Cover	1
19	1136118	Wheel	2
20	1136119	Power cord	1
21	1136120	Holder	1
22	1136121	Cable holder	1
23	1136122	Housing	1
25	1136123	Handle	1
26	1136124	Tank right	1
27	1136125	Tank left	1
28	1136126	Tank lid	1
29	1136127	Holder	1
30	1136128	Filter complete	1
31	1136129	Pin	2
32	1136130	Connection piece	1
33	1136131	Hose reel	1
34	1136132	Crank	1



SPARE PARTS LIST

KW 600

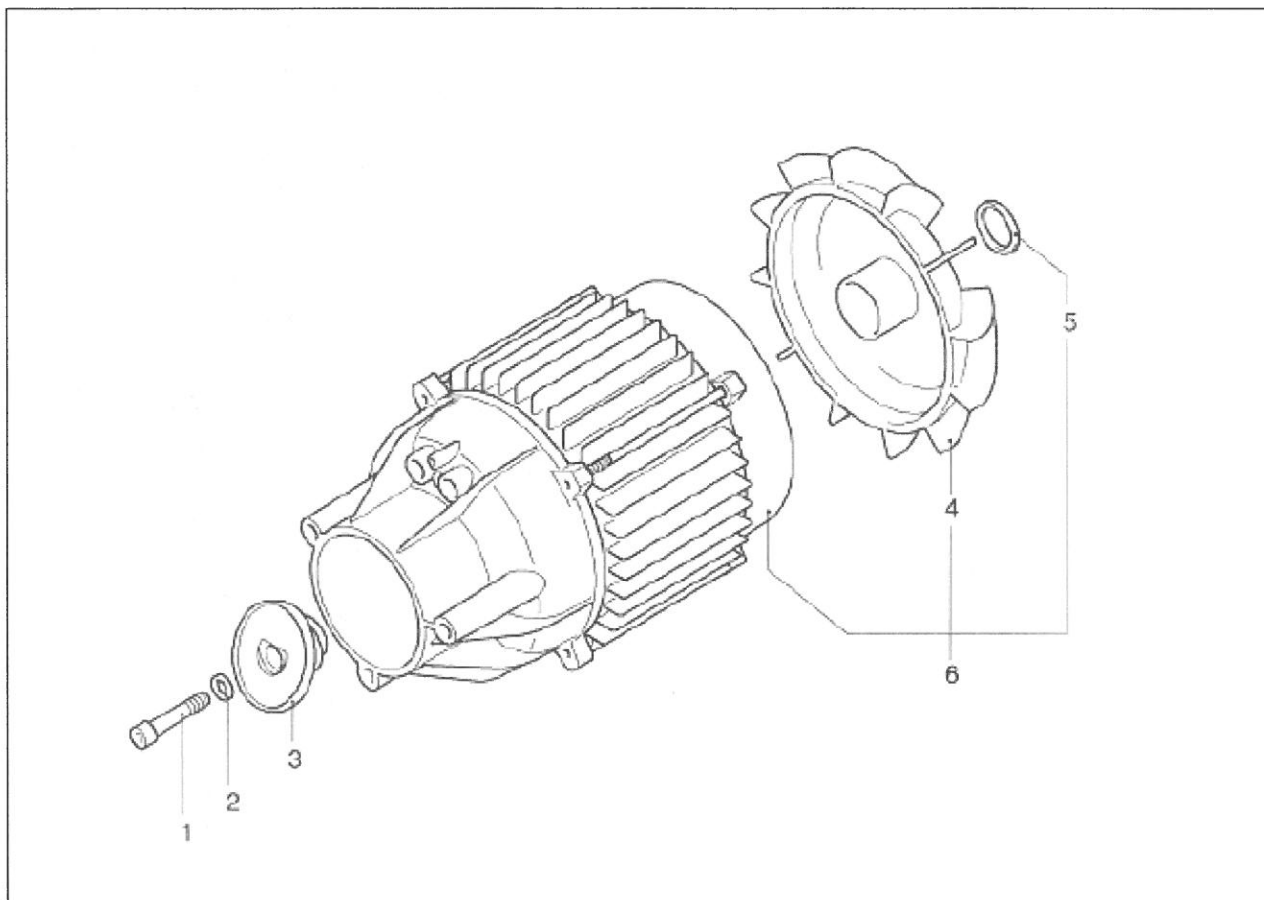
<u>Pos.</u>	<u>Order-No.</u>	<u>DESCRIPTION</u>	<u>Qty.</u>
001	1136133	Plug	1
002	1136134	Pump head	1
003	1136135	Screw	3
004	1136136	Connecting piece	1
005	1136137	Valve seat	3
006	1136138	Distance ring	3
007	1136139	Piston guide	1
008	1136140	Locking-Screw	3
009	1136141	Screw	1
010	1136142	Kit	1
011	1136143	Piston guide	1
012	1136144	Piston	1
013	1136145	Spring	1
014	1136146	Injector	1
015	1136147	Connecting piece	1
016	1136148	Pressure control	1
017	1136149	Pin	1
018	1136150	Pump head complete	1
019	1136151	Kit 15-42754	1
020	1136152	Kit 15-42755	1
021	1136153	Kit 15-42756	1
022	1136154	Bearing	1



SPARE PARTS LIST

KW 600

<u>Pos.</u>	<u>Order-No.</u>	<u>DESCRIPTION</u>	<u>Qty.</u>
01	5900601	Screw	1
02	1136155	Washer	1
03	1136156	Plate	1
04	1136157	Fan wheel	1
05	1136158	Ring	1
06	1136159	Motor	1



SPARE PARTS LIST

KW 600

<u>Pos.</u>	<u>Order-No.</u>	<u>DESCRIPTION</u>	<u>Qty.</u>
01	1136160	Gun	1
02	1138657	Rotating Nozzle with lance front	1
03	1136162	Lance	1
04	1138650	High-pressure hose	1

