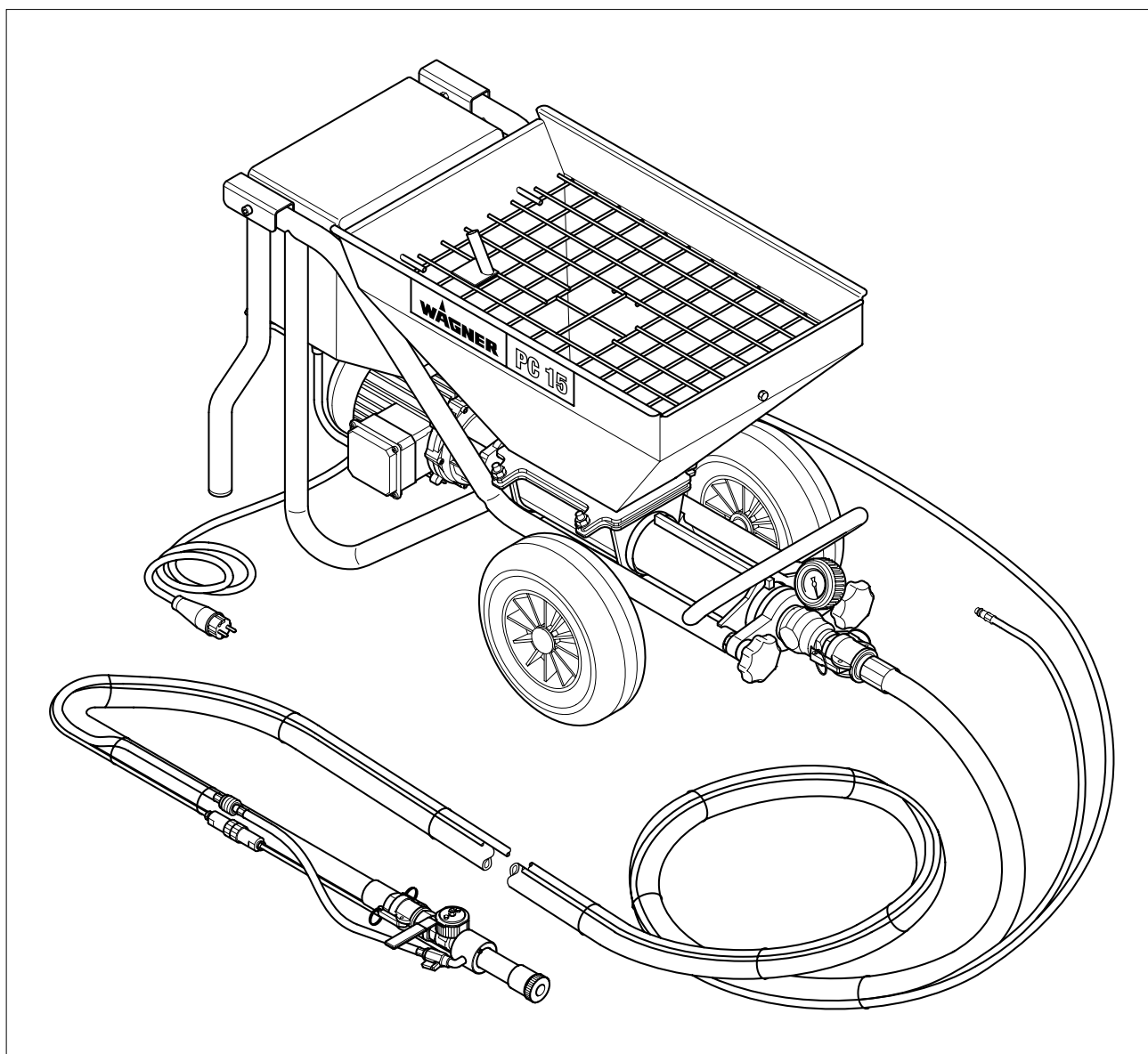


Service manual

Plast Coat



PC 15

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Warning!

Mortar spraying machines develop high spraying pressures.



DANGER

Caution – risk of injury!

Never reach into the spray jet with your fingers or hands!

Never aim the spray lance at yourself or other persons!

The materials sprayed cause chemical burns or irritations!

Protect your skin and eyes!

①

Each time before starting up, follow the procedure below as specified in the Operating manual:

②

- 1. Only connect to the mains supply using a special distributing point, e.g., using a fault current protective system with $INF \leq 30$ mA.**
- 2. Observe the admissible working pressures.**
- 3. Check all connections for leaks.**

The instructions for regular cleaning and servicing of the machine must be strictly adhered to.

③

Before starting any work on the machine and during breaks, follow the procedure below:

- 1. Note the setting time of the material.**
- 2. Relieve the pressure in the spray lance and hose.**
- 3. Switch the machine off.**

Be safety-conscious!

Safety requirements

All local safety regulations in force must be observed.

In addition, you must comply with the following:

1. Use of the mortar spraying machine

The mortar spraying machine Plast Coat 15 is designed only for the spraying the materials described in the operating manual.

Any other use is not permitted. The manufacturer cannot be held liable for any damage resulting from this. In such cases, the risk will be borne solely by the user.

Intended use also includes compliance with the Operating manual and compliance with the inspection and servicing conditions.

Always keep the Operating manual ready at hand at the machine location.

2. The mortar spraying machine Plast Coat 15 may only be operated with a pressure gauge. Only the mortar hose prescribed by the manufacturer may be used.

3. Only use identified mortar hoses with an operating pressure of at least 40 bar.

4. Personnel safety

Always wear protective goggles, protective clothing and gloves and, if necessary, skin barrier cream and breathing equipment, to protect your eyes, skin and respiratory system.

Never uncouple mortar hose while it is still under pressure.

Note pressure gauge!

Wear protective goggles!

Never aim spray lance at any person!

5. Breathing masks

Breathing masks must be provided for the operator to protect against mineral dust.

6. Only connect to the mains supply using a special distributing point, e.g., using a fault current protective system with $INF \leq 30 \text{ mA}$.

7. Do not put a load of more than 450 watts on the socket on the control unit.

8. The master switch has an EMERGENCY OFF function.

9. Prevent the socket for the remote control on the control unit from getting dirty.

Always leave the coupler plug of the remote control line on the mortar hose screwed complete into the control unit.

10.



Danger of injury from the screw conveyor.

Never put your hands into the receptacle when the mortar spraying machine is running.

Never turn on the mortar spraying machine when the grating has been removed from the receptacle or when the receptacle has been removed.

11. Cleaning and servicing

Never uncouple mortar hoses under pressure. Before uncoupling, check pressure on the pressure gauge.

Turn off the mortar spraying machine for cleaning and maintenance work. Pull out mains plug and ensure that it cannot be plugged back in unintentionally.

Do not spray the motor or control unit of the mortar spraying machine with water jet, high-pressure or steam cleaning equipment. Water could penetrate the machine and cause a short-circuit.

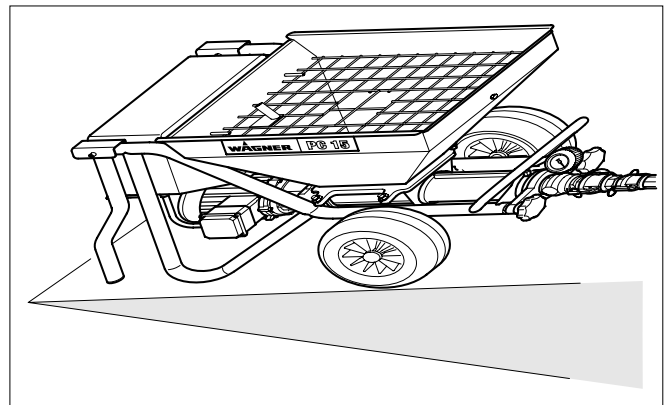
12. Electrical equipment

Work on the machine's electrical equipment may be carried out only by a qualified electrician. The electrical equipment must be inspected regularly. Defects such as loose connections or scorched cables must be remedied immediately.

13. Keep the labels on the mortar spraying machine clean and legible.

14. Positioning on uneven ground

The front of the mortar spraying machine must point upwards to avoid that the machine slips away.



Important notes on product liability

As a result of an EC regulation being effective as from January 1, 1990, the manufacturer shall only be liable for his product if all parts come from him or are released by him, and if the devices are properly mounted and operated.

If the user applies outside accessories and spare parts, the manufacturer's liability can fully or partially be inapplicable; in extreme cases usage of the entire device can be prohibited by the competent authorities (employer's liability insurance association and factory inspectorate division).

Only the usage of original WAGNER accessories and spare parts guarantees that all safety regulations are observed.

Technical data Plast Coat 15

Voltage:	230 V ~, 50 Hz
Fuse protection:	16 A slow-blow
Device mains cable:	6 m long, 3 x 1.5 mm ²
Socket on the control unit max. load:	450 watts
Motor output P ₁ :	1.5 kW
Max. feed rate (water):	11 l / min
Max. operating pressure:	40 bar
Max. grain size:	K 4 mm
Measurements L x W x H:	1180 x 530 x 660 mm
Receptacle capacity:	60 l
Weight:	70 kg
Tire pressure, max.:	2.5 bar
Protective system:	IP 54
Max. sound pressure level:	70 dB (A)*
Atomization air connection:	Rapid action coupling DN 7 mm
Max. atomization air pressure:	10 bar
Required volume of compressed air, min:	220 l/min
Texture nozzle:	8 mm (standard)
Mortar hose:	DN 27 mm, 10 m (standard)

* Measured at a distance of 1 m to the side and at a height of 1.6 m over the device, reverberant floor.

Tool specification

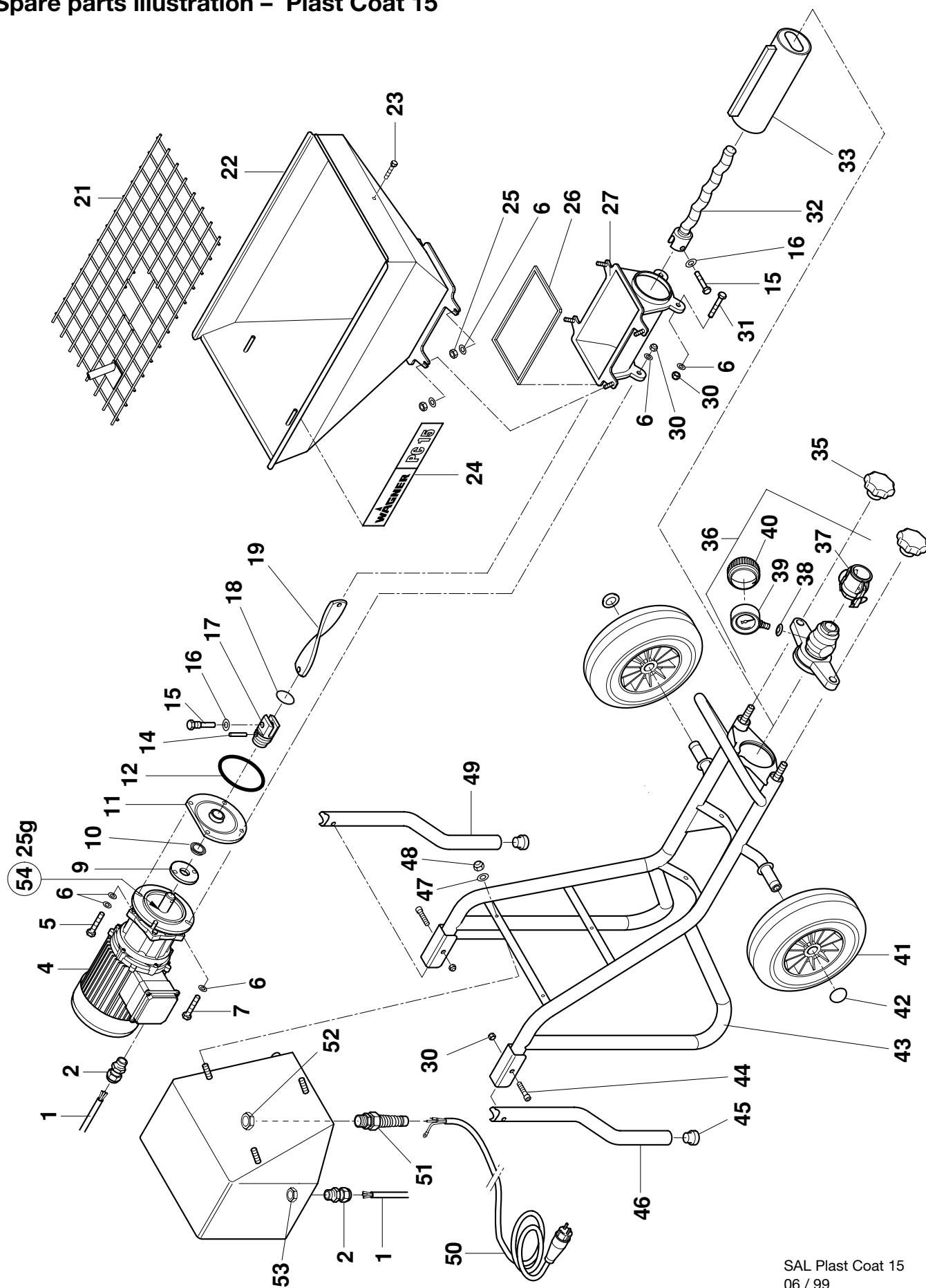
	Part No.
Carrier sleeve take-off device	0348 950

Spare parts list Plast Coat 15

Item	Part No.	Designation
1	0348 363	Motor cable
2	9982 820	Cable screw connection
4	0348 218	Transmission motor 230 Vp, 50 Hz
5	9900 204	Hexagon screw M 8 x 35 DIN 931 (2)
6	9920 102	Washer A 8.4 DIN 125
7	9900 125	Hexagon screw M 8 x 50 DIN 933
9	0348 334	Supporting ring
10	9972 331	Grooved ring 32 x 50 x 10
11	0348 319	Intermediate flange
12	9971 171	O-ring 90 x 3.5
14	0348 328	Pin
15	0348 324	Screw
16	9921 506	Lock washer B12 DIN 127
17	0348 317	Carrier bush
18	9922 743	Snap ring A 42
19	0348 314	Feed screw
21	0348 329	Grating
22	0348 307	Receptacle
23	9900 109	Hexagon screw M 8 x 25 DIN 933
24	0348 352	Type plate PC 15
25	9910 107	Hexagon nut M8 DIN 934
26	0348 310	Receptacle seal
27	0348 306	Receptacle lower part
30	9910 208	Hexagon nut M 8 DIN 985

Item	Part No.	Designation
31	9900 118	Hexagon screw M 8 x 30 DIN 933
32	0348 312	Pump screw W 10 – 200
33	0348 311	Pump jacket W 10 – 200
35	9990 368	Star grip M 16
36	0348 214	Outlet unit
37	9990 616	Coupling
38	9970 109	Sealing ring
39	9991 946	Pressure gauge
40	9991 947	Protective cap
41	0348 349	Wheel
42	9994 902	Wheel cap
43	0348 206	Trolley frame
44	9900 317	Cheese head screw M 8 x 50 DIN 912
45	9990 863	Pipe end cap
46	0348 318	Drawbar tube right
47	9920 103	Washer A 6.4 DIN 125
48	9910 204	Hexagon nut M 6 DIN 985
49	0348 347	Drawbar pipe left
50	0348 362	Device mains connection
51	9951 074	Cable screw connection
52	9951 075	Hexagon nut
53	9951 078	Hexagon nut
54	————	EP long-life grease lubricant, quantity 25 g
	9992 834	EP long-life grease 400 g

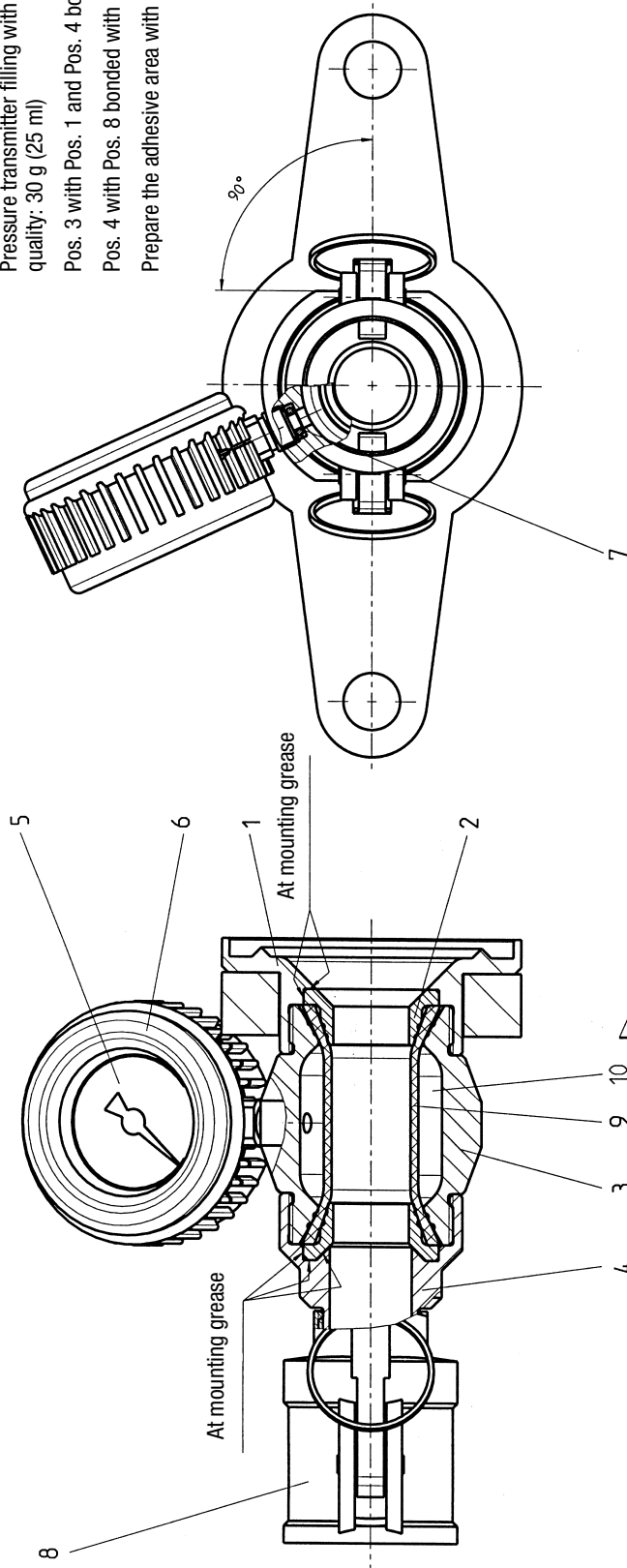
Spare parts illustration – Plast Coat 15



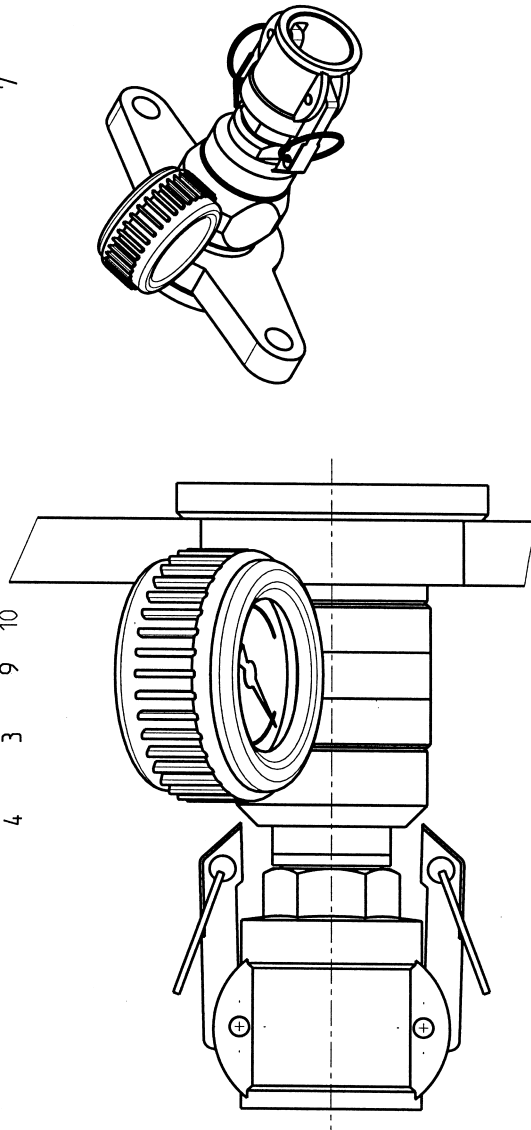
SAL Plast Coat 15
06 / 99

Spare parts list and spare parts illustration – Throat piece with pressure gauge

Pressure transmitter filling with hydraulic oil Nuto H22
quality: 30 g (25 ml)
Pos. 3 with Pos. 1 and Pos. 4 bonded with Loctite 243
Pos. 4 with Pos. 8 bonded with Loctite 243
Prepare the adhesive area with fast cleaner typ 7063

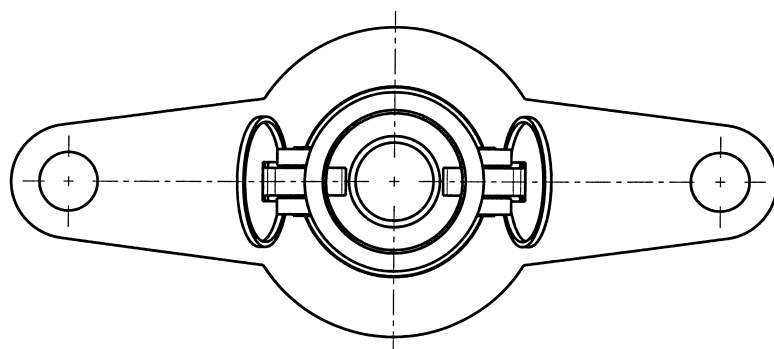
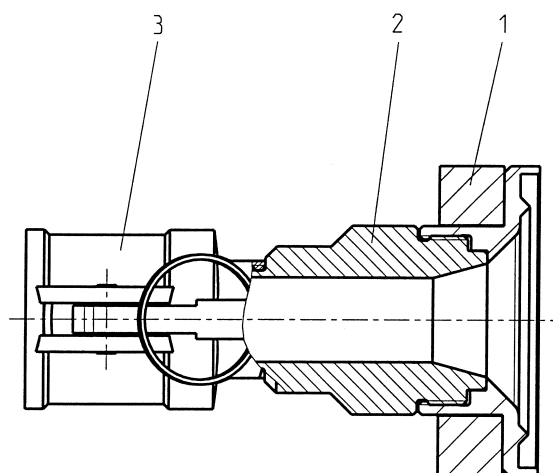


Item	Part No.	Designation
1	0348 214	Throat piece with pressure gauge
2	0348 205	Crosshead
3	0348 335	Collet
4	0348 337	Housing
5	0348 338	Threaded connector
6	9991 946	Pressure gauge
7	9991 947	Protective cap
8	9970 109	Sealing ring
9	9990 616	Coupling
10	0348 350	Hose piece
		Hydraulic oil NUTO H 22 from Esso, quantity 25 ml
	0021 061	Hydraulic oil NUTO H 22 – 1 litre
	9992 821	Loctite fast cleaner 7063 – 400 ml
	9992 511	Loctite 243 – 50 ml



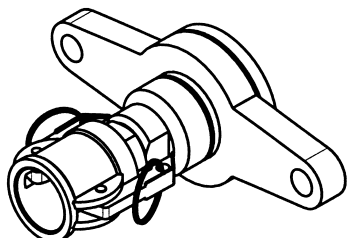
Spare parts list and spare parts illustration – Throat piece without pressure gauge

Item	Part No.	Designation
	0348 223	Throat piece without pressure gauge
1	0348 205	Crosshead
2	0348 381	Connection piece
3	9990 616	Coupling
	9992 821	Loctite fast cleaner 7063 – 400 ml
	9992 511	Loctite 243 – 50 ml



Pos. 2 with Pos. 3 and Pos. 1
bonded with Loctite 243

Prepare the adhesive area with
fast cleaner typ 7063



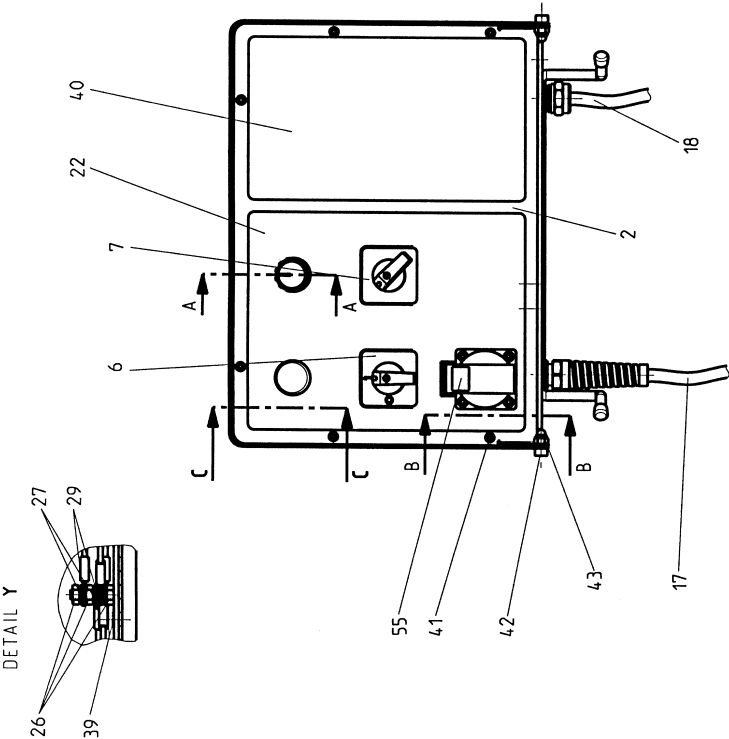
Spare parts list – Control unit

Item	Part No.	Designation
	0348 212	Control unit
1	0348 321	Electronic housing
2	0348 322	Electronic housing cover
3	0348 323	Support sheet
4	0348 370	Frequency converter 1,5 kW
5	0348 371	Suppression filter
6	0348 372	Master switch 0 – 1
7	0348 373	Changeover switch
8	0268 591	Potentiometer
9	9950 814	Sealing nut
10	9952 607	Rotary knob
11	9952 660	Rotary knob cap
12	3026 614	Ind. lamp front
13	3025 151	Ind. lamp fitting
14	9952 669	Socket
15	0348 326	Electronic housing seal
16	3050 081	Glow lamp
17	0348 362	Mains cable 3G 1,5 mm ² , 6 m
18	0348 363	Motor cable
19	9951 074	Cable screw connection
20	9951 075	Hexagon nut
21	9982 820	Cable screw connection
22	0348 327	Information plate
23	9900 602	Countersunk head tapping screw 3,9 x 16 DIN 7983 (4)
24	9951 078	Hexagon nut
25	9990 554	Protective cap

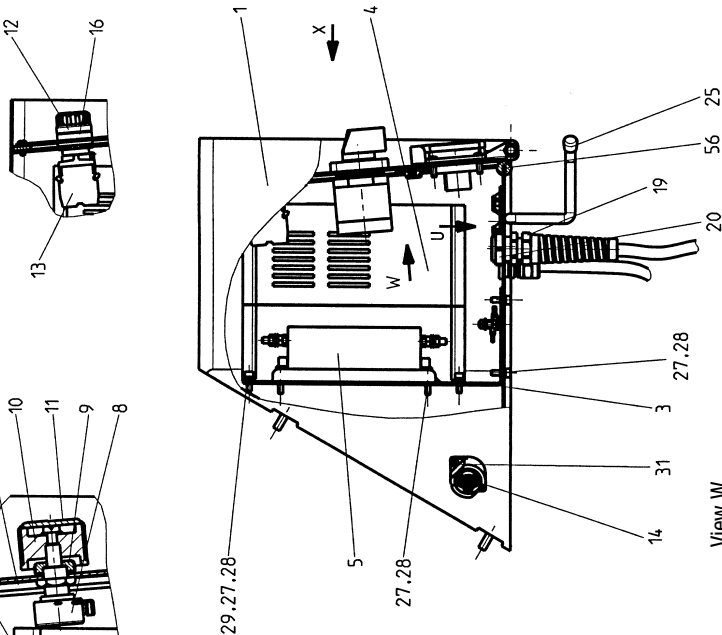
Item	Part No.	Designation
26	9910 108	Hexagon nut M4 DIN 934
27	9921 504	Lock washer B4 DIN 127
28	9900 353	Cylindrical head screw M4 x 12 DIN 912
29	9920 104	Washer 4,3 DIN 125
30	9950 241	Socket
31	9902 218	Recessed pan head tapping screw 2,9 x 9,5 DIN 7981 (2)
32	9950 242	Rubber gasket
39	9950 372	Earthing mark
40	0348 353	Instruction sticker „D“
	0348 388	Instruction sticker „GB“
	0348 391	Instruction sticker „F“
	0348 390	Instruction sticker „E“
	0348 389	Instruction sticker „NL“
41	9902 201	Recessed pan head tapping screw 3,9 x 9,5 DIN 7981 (6)
42	9900 346	Cylindrical head screw M6 x 12 DIN 912 (2)
43	9910 708	Cap nut M6 DIN 986 (2)
54	3053 925	Mounting base, adh. clips (4)
55	0348 357	Sticker for socket
56	0348 392	Profil cord
	9992 821	Loctite fast cleaner 7063 – 400 ml
	9992 590	Loctite 222 – 50 ml
	9992 664	Loctite 414 – 20 g
	9992 835	Acrylic sealant – 310 ml cartouche

Spare parts illustration – Control unit

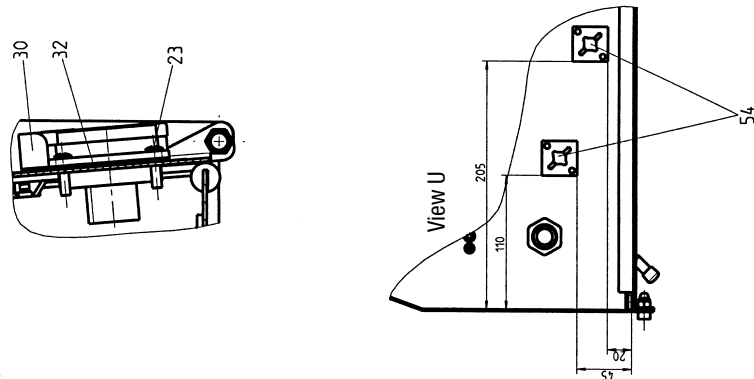
Section A - A



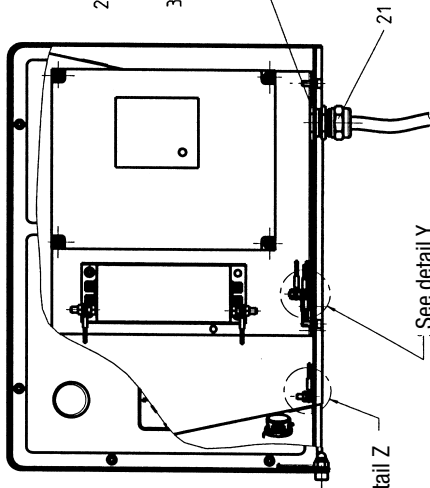
Section C - C



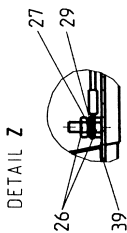
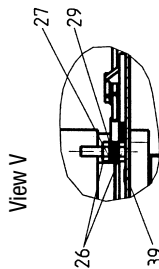
Section B - B



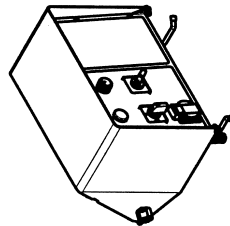
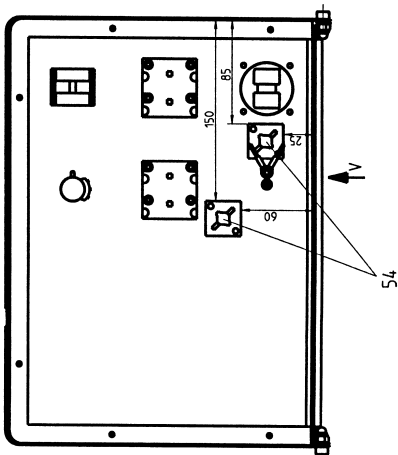
View X



See detail Z



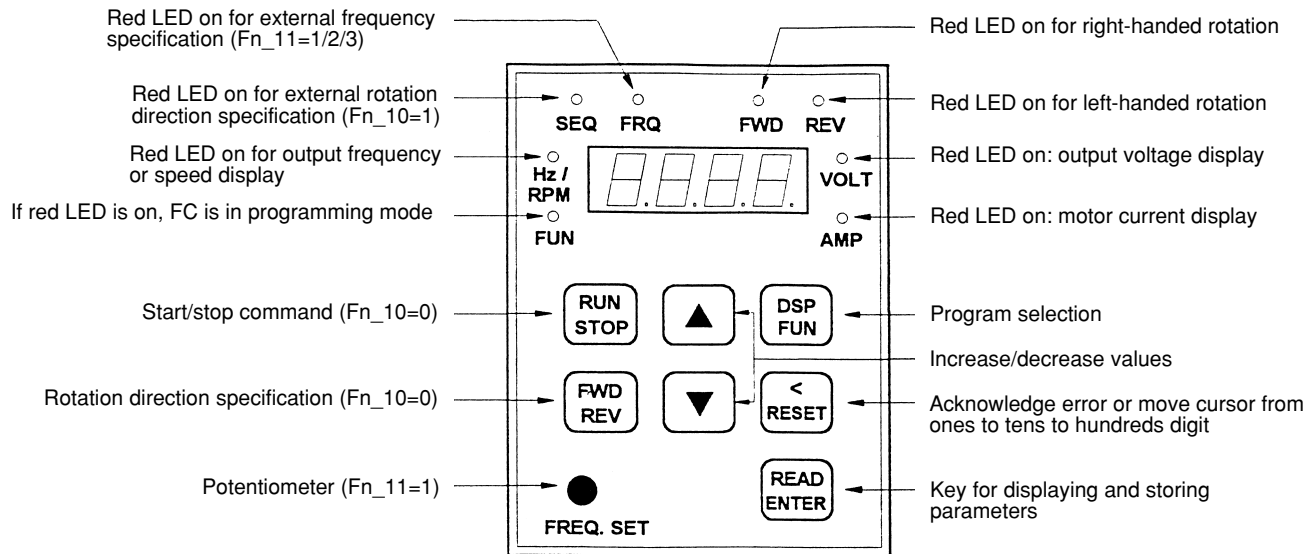
View W



All welding groove except the right trailing edge to sealed with acrylic sealing compound at bottom plate
All adhesive area with fast cleaner 7063 prepare
Part 42 with part 43 bonded with Loctite 222
Part 56 with part 1 bonded with Loctite 414
(3 adhesive points distributed about length)

Program frequency converter

Frequency converter control panel and function overview



Attention: The frequency converter is delivered in a non-programmed state. The required settings (with grey background in the parameter list) should be programmed as per the following instructions before the system is started up.

Frequency converter programming

1. Connect to mains
 2. Move main switch to "I" position.
 3. Move rotation direction switch to "0".
- ⚠ Warning: do not touch any live components.
4. Press "DSP/FUN" button, "F000" appears in display.
 5. Select required function number by pressing the "▲" and "▼" buttons.
The "</RESET" button is used to select the ones, tens and hundreds digits.
 6. Switch from the function number display to the selected function number setting display using the "READ/ENTER" button.
 7. Set the value as specified in the "Parameter list" using the "</RESET" and "▲" and "▼" buttons.
 8. Press "READ/ENTER" to store the setting. "FXXX" appears in the display again.
 9. Select next function number using "▲" and "▼" and proceed in same order.
 10. After storing the last setting, press the "DSP/FUN" button twice to leave programming mode and switch back to the original display.

Frequency converter programming parameters

Frequency converter model: WATTtronic, list produced on 03.11.98

Function Nr. Fxxx	Function	Factory setting	User setting	Function Nr. Fxxx	Function	Factory setting	User setting
F000	Capacity selection	3	3	F055	DC braking level	8%	8%
F001	Accel. time	10	2	F056	Multi function input 1 terminal 6	00	21*
F002	Decel. time	10	0.5	F057	Multi function input 2 terminal 7	01	01
F003	Remote / operation select	0000	0000	F058	Multi function input 3 terminal 8	02	02
F004	Parameter lock select	0000	0000	F059	Reserved	-	-
F005	V/F pattern	0	0	F060	Reserved	-	-
F006	Upper freq. limit	50	100	F061	Multi funct. output 1 terminal 10 u.11	00	00
F007	Lower freq. limit	0	0	F062	Reserved	-	-
F008	Up-to desired freq. setting	0	0	F063	Reserved	-	-
F009	Detection width Fn 08	0	0	F064	Reserved	-	-
F010	Control mode select	0	1	F065	Setting prohibited freq. 1	0 Hz	0 Hz
F011	Freq. command method selec	0	2	F066	Setting prohibited freq. 2	0 Hz	0 Hz
F012	Stall prevention	0000	1010	F067	Setting prohibited freq. 3	0 Hz	0 Hz
F013	St. prevention during accel.	110%	85%	F068	Setting prohibited freq. range	0 Hz	0 Hz
F014	Stall prev. during running	160%	110%	F069	Electronic thermal protection	0000	0001
F015	Decel time during stall prev.	3 s	2 s	F070	Motor rated current	6.1	6.5
F016	Direct start, reset, cycle time	0000	0001	F071	Torque boost control	0000	0000
F017	Multi-speed 1	5Hz	5Hz	F072	Torque boost gain	0%	7.5%
F018	Multi-speed 2	10 Hz	10 Hz	F073	Reserved	-	-
F019	Multi-speed 3	20 Hz	20 Hz	F074	Reserved	-	-
F020	Multi-speed 4	30 Hz	30 Hz	F075	Motor current without load	2.0	2.0
F021	Multi-speed 5	40 Hz	40 Hz	F076	Motor rated slip	0 Hz	0 Hz
F022	Multi-speed 6	50 Hz	50 Hz	F077	Overtorque control	0000	0000
F023	Multi-speed 7	60 Hz	60 Hz	F078	Overtorque detection level	160%	160%
F024	Jog freq. reference	2 Hz	2 Hz	F079	Overtorque detection time	0.1 s	0.1 s
F025	Master freq.	5 Hz	5 Hz	F080	S curve time 1	0.2 s	0.2 s
F026	Freq. reference	0 Hz	0 Hz	F081	S curve time 2	0.6 s	0.6 s
F027	Voltage reference ratio 1	0%	0%	F082	Energy saving operating	0000	0000
F028	Voltage reference ratio 2	100%	100%	F083	Energy saving gain	80%	80%
F029	Positive / negative direction	0	0	F084	Sequence control	0000	0000
F030	Power voltage	230V	230V	F085	Process timer 1	0 s	0 s
F031	Momentary power loss	0.5 s	0.5 s	F086	Process timer 2	0 s	0 s
F032	Disable / enable	0	0	F087	Process timer 3	0 s	0 s
F033	Reserved	-	-	F088	Process timer 4	0 s	0 s
F034	Auto restart interval	0 s	0 s	F089	Process timer 5	0 s	0 s
F035	No. of auto restart attempt	0	0	F090	Process timer 6	0 s	0 s
F036	No. of motor poles	4p	4p	F091	Process timer 7	0 s	0 s
F037	Pattern max freq.	50 Hz	50 Hz	F092	Vibration control time	5	5
F038	Pattern max voltage ratio	100%	100%	F093	Vibration control gain	0%	0%
F039	U/f pattern mid. freq.	2.5 Hz	2.5 Hz	F094	Vibration control bias	0%	0%
F040	U/f-pattern mid. voltage	7.5%	7.5%	F095	Parameters do not change	0	0
F041	U/f-pattern min. voltage	7.5%	7.5%	F096	Parameters do not change	300	300
F042	Start freq. adjustment	1 Hz	1 Hz	F097	Fault contact control	0000	0000
F043	Carrier freq. adjustment	14 Hz	9 kHz	F098	Fault contact control	0000	0100
F044	Stopping mode	0000	0000	F099	Reserved	-	-
F045	Multi-funct. anal. output selec.	100%	100%	F100	Communication identified no.	1	1
F046	Funct. analog output	0	0	F101	Baud rate of communication	1	1
F047	Display mode	0000	0100	F102	Communication parameter	1100	1100
F048	Operating mode	0000	0000	F103	Reserved	-	-
F049	Accel. time 2	10	10				
F050	Decel. time 2	10	10	F122	Reserved	0000	0000
F051	Display mode selection	0	0	F123	Factory setting	0000	0000
F052	Line speed display	1800	1800	F124	CPU version	1.8	1.8
F053	DC braking time	0.5 s	0.5 s	F125	Fault sequence reference		
F054	DC braking injection freq.	1.5 Hz	1.5 Hz				

***Attention: F098 must be set before F056. If F056 is set before F098, contacts 1 and 2 on the frequency converter terminal strip should be jumpered so that F056 can be set to 0100.**

Error code display on the frequency converter

Fault Code	Content	Probable Cause	What to do
OC-S	Over Current during Starting	1. Motor is short circuited 2. Motor has ground fault 3. Inverter transistor module is damaged	1. Check and fix motor 2. Remove the grounding point 3. Change transistor module
OC-A	Over Current during Accel.	1. Accel. time is set too short 2. Inappropriate V/F pattern selection 3. Motor capacity exceeds Inverter rating	1. Extend accel. time 2. Select the optimum V/F pattern 3. Select a larger WATT-tronic Inverter
OC-C	Over Current during Constant speed	1. Load changes excessively 2. Input voltage fluctuates excessively	1. Check load condition 2. Install a reactor between power supply and Inverter
OC-d	Over Current during Decel.	1. Decel. time is set too short	1. Extend decel. time
OC-b	Over Current during Braking	1. Braking freq. is set too high 2. Braking voltage is set too high 3. Braking time is set too long	1. Reduce braking freq. 2. Lower braking voltage 3. Shorten braking time
OV-C	Over Voltage during Constant speed	1. Decel. time is set too short or load inertia is too high 2. Input voltage fluctuates	1. Extend decel. time 2. Set Fn_48 = xxx0 3. Add external braking resistor or module 4. Install a reactor between power supply and Inverter 5. Select a larger WATT-tronic Inverter
LV-C	Low Voltage during Constant speed	1. Input voltage is too low 2. Input voltage fluctuates excessively	1. Correct input voltage or extend Fn 31 2. Extend accel. time 3. Select a larger WATT-tronic Inverter 4. Install a reactor between power supply and Inverter

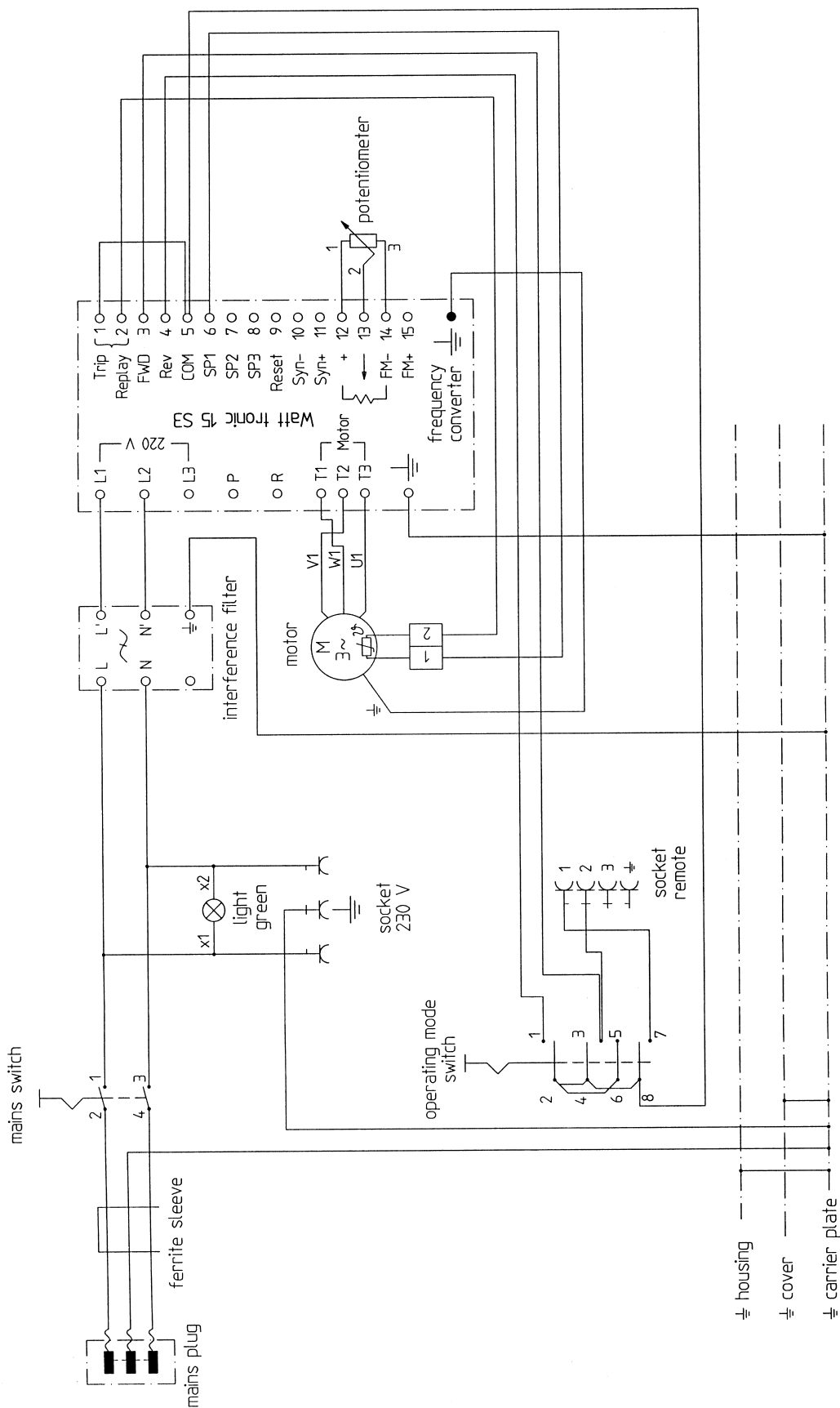
Fault Code	Content	Probable Cause	What to do
CPF	CPU software error	1. High electronic noise	1. Install RC type suppresser on all contactor / brake coils
EPR	EEPROM error	1. EEPROM is damaged	1. Change EEPROM
-OV -	Over Voltage in stop mode	1. Detection circuit is damaged	1. Notify your supplier to check
-LV -	Low Voltage in stop mode	1. Input voltage is too low 2. Current limit resistor (R1) or fuse burned out - 400V series Inverter 3. Detection circuit is damaged	1. Correct input voltage 2. Change current limit resistor or fuse 3. Notify your supplier to check
-OH -	Heatsink Over Heat in stop mode	1. Detection circuit is damaged 2. Ambient temperature is too high or ventilation is poor	1. Notify your supplier to check 2. Lower ambient temperature or improve ventilation
-OC-	Over current during stop mode	Detecting circuit failure	1. Send Inverter back for repairing
OL1	Motor overload	1. Load is too high 2. Inappropriate V/F pattern selection 3. Incorrect Fn_69, Fn 70 setting	1. Select a larger WATT-tronic Inverter 2. Select optimum V/F pattern 3. Select correct Fn_69 & Fn_70 setting
OL2	Inverter overload	1. Load is too high 2. Inappropriate V/F pattern selection	1. Select a larger WATT-tronic Inverter 2. Select optimum V/F pattern
OL3	Overtorque	1. Load is too high 2. Inappropriate V/F pattern selection 3. Fn_78, Fn_79 are set too low	1. Select a larger HP T-verter 2. Select optimum V/F pattern 3. Select appropriate Fn_78 & Fn_79 settings
OH-C	Over Heat during Constant speed	1. Load is too high 2. Ambient temperature is too high or ventilation is poor	1. Investigate load condition 2. Select a larger WATT-tronic Inverter 3. Lower ambient temperature or improve ventilation

Error code display on the frequency converter

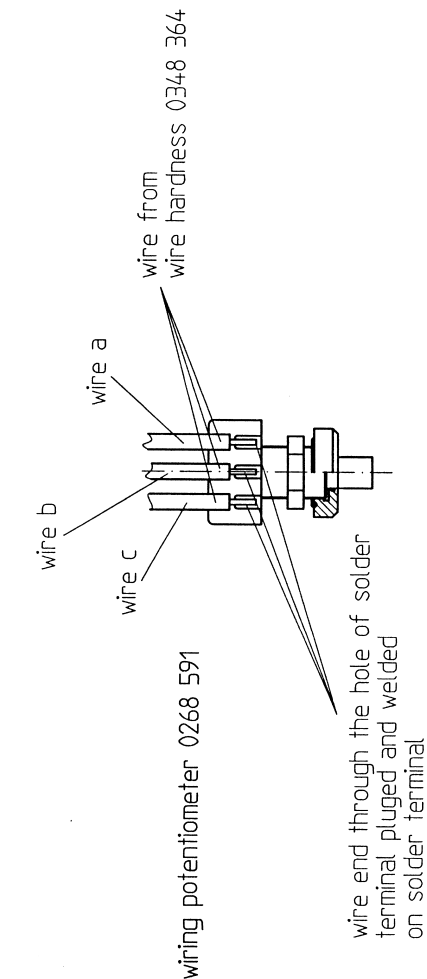
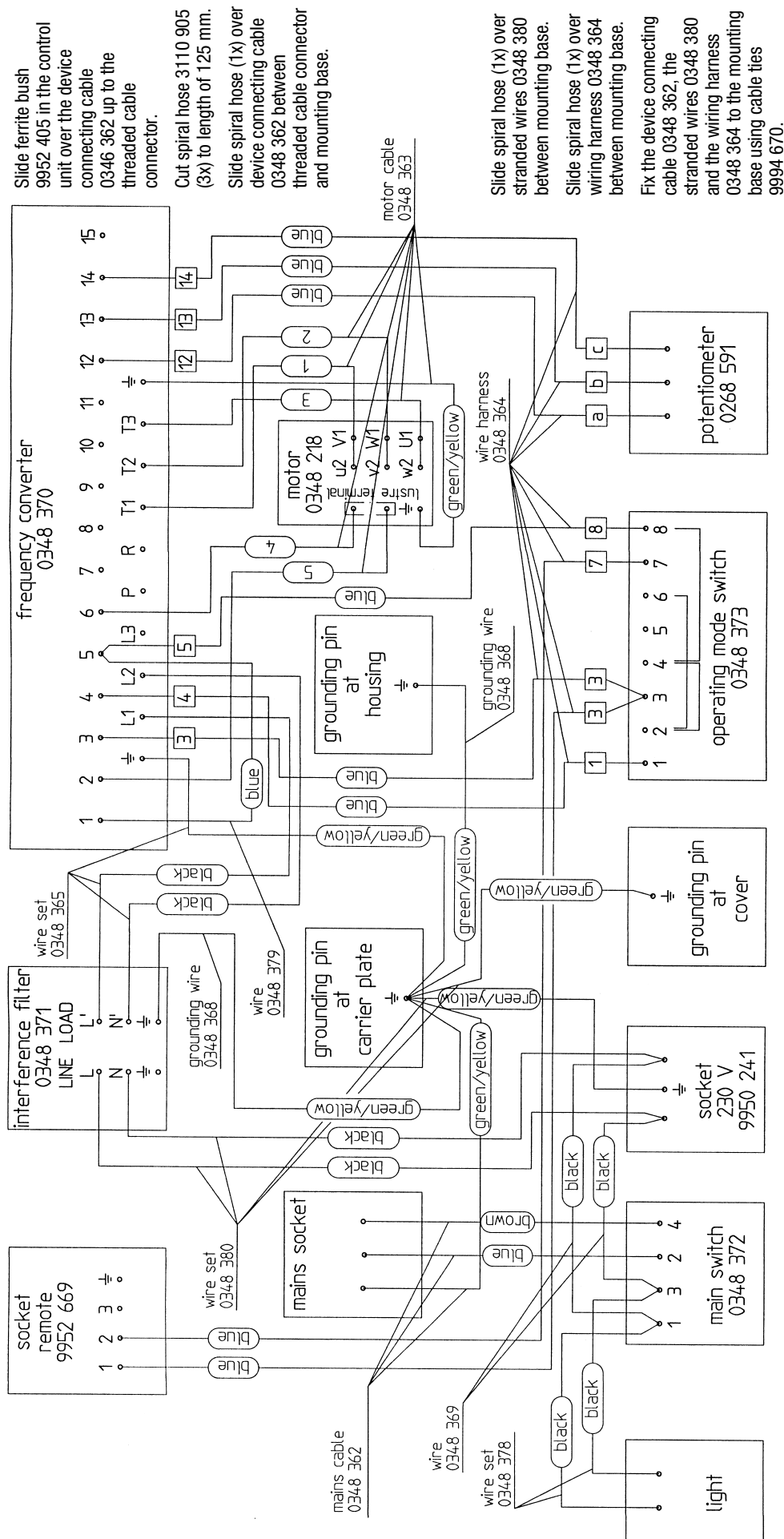
Fault Code	Content	Probable Cause	What to do
LOC	Parameter / freq. / REV direction is locked	1. Try to change parameter /freq. when Fn_04 = xxx1 or xx1x 2. Try to run in REV direction when Fn_03 = x1xx	1. Set Fn_04 = xxx0 or xx0x 2. Set Fn_03 = x0xx
Err1	Operation error	1. Try to change freq. by pressing $\wedge$ or $\vee$ when Fn_11 > 0 2. Try to change Fn_124 3. Try to change functions which cannot be changed during operation	1. Set Fn_11 = 0 2. Fn_124 (CPU version) cannot be changed 3. Change those functions in stop mode
Err2	Setting error	1. Fn_07 is in the range of Fn_65 $\pm$ Fn_68, Fn_66 $\pm$ Fn_68 or Fn_67 $\pm$ Fn_68 2. Fn_06 $\leq$ Fn_07 3. Fn_70 $\leq$ Fn_75 4. Fn_27 $\geq$ Fn_28	1. Adjust Fn_65 - Fn_68 or Fn_07 setting 2. Fn_06 > Fn_07 3. Fn_70 > Fn_75 4. Fn_27 < Fn_28
Err3	Setting error	1. V/F curve is set too steep when Fn_05 = 18 2. Analog freq. signal is set too steep	1. (Fn_38 - Fn_40) / (Fn_37 - Fn_39) $\leq$ 65, (Fn_40 - Fn_41) / (Fn_39 - 0.1) $\leq$ 65 2. (Fn_06 - Fn_26) / (Fn_28 - Fn_27) $\leq$ 65
Err4	Setting error	1. Incorrect settings of Fn_37 - Fn_41	1. Fn_37 > Fn_39 > 0.1 Hz Fn_38 $\geq$ Fn_40 $\geq$ Fn_41
Err5	Parameters setting error	1. Under disable condition 2. Amend Fn-101 or Fn_102 during communication	1. Set enable before communication 2. Fn_101, Fn_102 should be amended before communication
Err6	communication error	1. Connection error 2. Improper parameters 3. Checksum error 4. agreement error	1. Investigate connection 2. Check Fn_101, Fn_102 3. Check communication agreement 4. Check communication agreement
Err7	Parameter setting error	1. Attempt to change Fn_00 or Fn_96 2. The value in Fn_96 is far from the value of detected voltage	1. Refer to 2.3 "Changing control boards" 2. Check PN voltage circuit

Fault Code	Content	Illustration
STP0	Zero speed stop	1. Fn_11 = 0 or 3, Fn_07 < 0.1Hz, and setting freq. < 0.1Hz; Fn_11 = 1 or 2, Fn_07 < (Fn_06 / 100), and setting freq. < (Fn_06/100)
STP1	Direct start disable	1. Power switched on while remote RUN switched on (Fn_10 = 1) and direct start is prohibited (Fn_16 = xxx1). Inverter can not be started and will display STP1.(Refer to Fn_16) 2. Inverter can be started directly when Fn_16 = xxx0
STP2	Emergency stop command by STOP key	1. Emergency stop via digital operator in remote control mode (Fn_10 = 1) by pressing STOP key (Fn_48 = xx0x). Once STOP key is pressed during operation, Inverter will stop according to the setting of Fn_44 and display STP2. Inverter will not restart until power is turned off and then turned on again. 2. If Inverter is under communication control and Fn_48 = xx0x, Once STOP key is pressed, Inverter will stop according to the setting of Fn_44 and display STP2. Inverter will not restart until computer sends Stop command followed by a RUN command 3. STOP key can not be used for emergency stop when Fn_48 = xx1x
E.S.	Emergency stop command by remote control	1. Emergency stop via remote control mode (multi-function input terminals), Inverter will decelerate to stop and display E.S.
b.b.	External baseblock	External abnormal signal baseblocks Inverter via multi-function input terminals (please refer to Fn_56-60)

Current flow diagram Plast Coat 15



Wiring diagram Plast Coat 15



Slide ferrite bush
9952 405 in the control
unit over the device
connecting cable
0346 362 up to the
threaded cable
connector.

Cut spiral hose 3110 905
(3x) to length of 125 mm.

Slide spiral hose (1x) over
device connecting cable
0348 362 between
threaded cable connector
and mounting base.

Slide spiral hose (1x) over
stranded wires 0348 380
between mounting base.

Slide spiral hose (1x) over
wiring harness 0348 364
between mounting base.

Fix the device connecting
cable 0348 362, the
stranded wires 0348 380
and the wiring harness
0348 364 to the mounting
base using cable ties
9994 670.

Attention: Fix device
connecting cable to
mounting base using
separate cable tie.

Servicing gear

No oil change is required.

The oil should have enough lubricating effect to last the lifetime of the gear.

Oil type if gear replaced

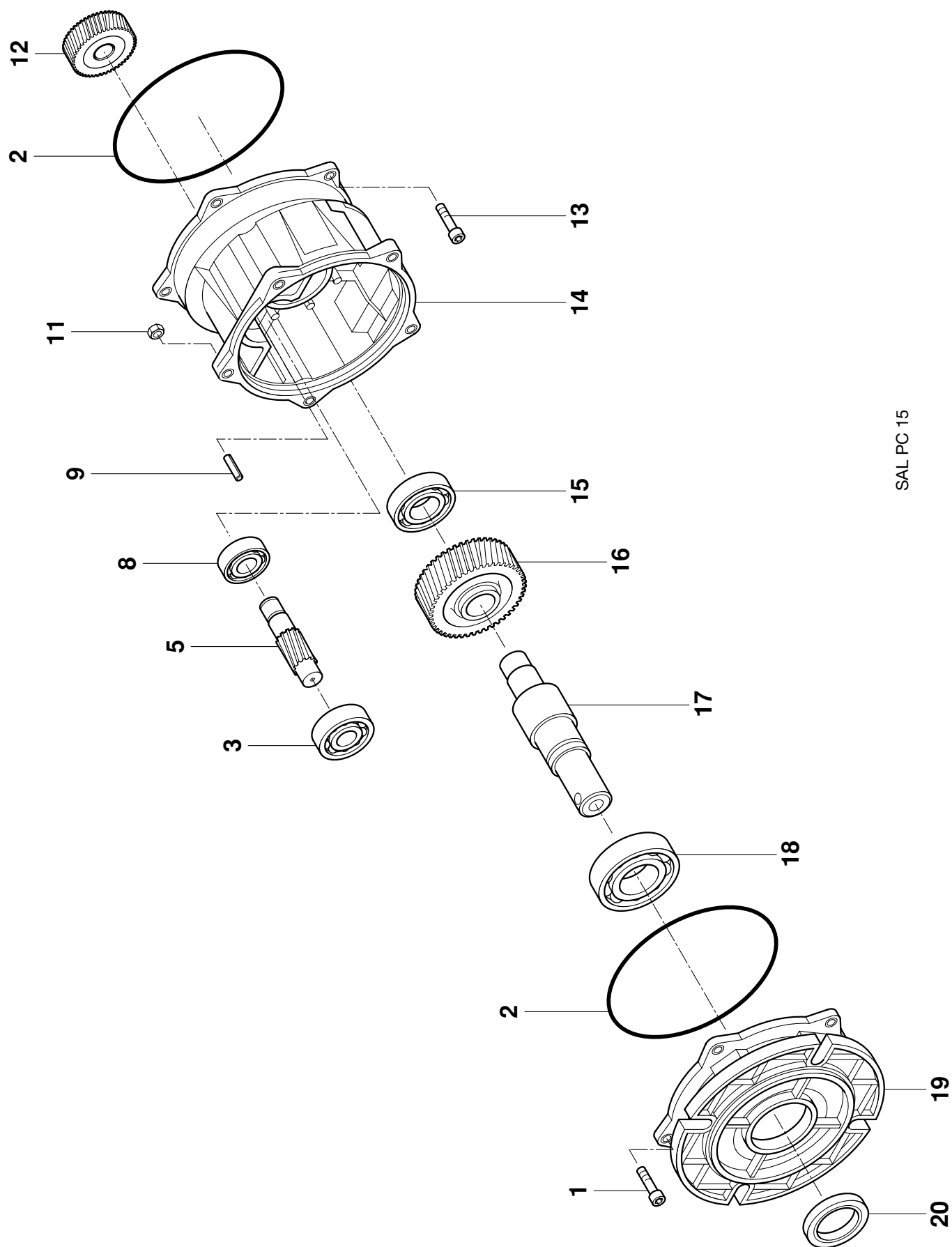
SHELL OMALA OIL 220
MOBIL MOBILGEAR 220
CASTROL ALPHA MAX 220

Oil quantity 0.6 litres

Spare parts list – Gear

Item	Part No.	Designation
	0348 218	Gear with electric motor 230 V~, 50 Hz
	0348 220	Gear compl.
1	9900 315	Cylinder head screw M 6 x 25 (5)
2	9971 485	O-ring
3	9960 113	Deep groove ball bearing 6302
5	0348 702	Pinion
8	9960 120	Deep groove ball bearing 6202
9	9932 118	Clamping sleeve
11	9910 102	Hexagon nut M 6 (5)
12	0348 703	Gearwheel
13	9900 312	Cylinder head screw M 6 x 20 (5)
14	0348 707	Housing
15	9960 312	Angular ball bearing 7204
16	0348 704	Gearwheel
17	0348 705	Shaft
18	9960 103	Deep groove ball bearing 6206
19	0348 706	Flange
20	9970 534	Shaft seal ring

Spare parts illustration – Gear

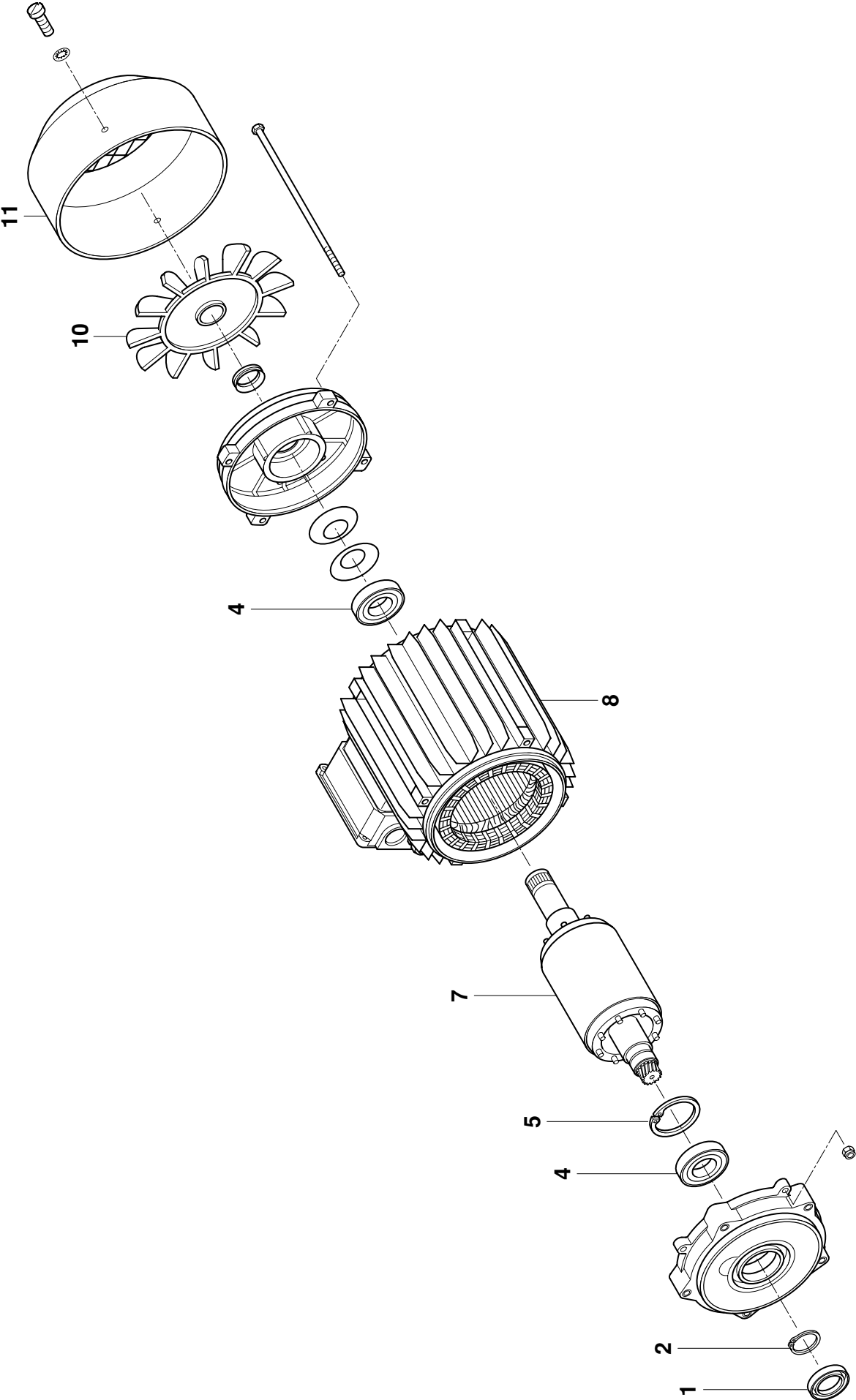


SAL PC 15

Spare parts list – Electric motor

Item	Part No.	Designation
	0348 218	Gear with electric motor 230 V~, 50 Hz
	0348 219	Electric motor 230 V~, 50 Hz
1	0268 436	Shaft seal ring 25 x 40 x 7
2	9922 506	Snap ring 25 x 1,2
4	0293 383	Ball bearing 6205 2 Z (2)
5	9922 603	Snap ring 52 x 2
7	0348 708	Rotor with pinion
8	0348 935	Stator 230 V~, 50 Hz
10	0348 936	Fan
11	0348 937	Fan cowl

Spare parts illustration – Electric motor

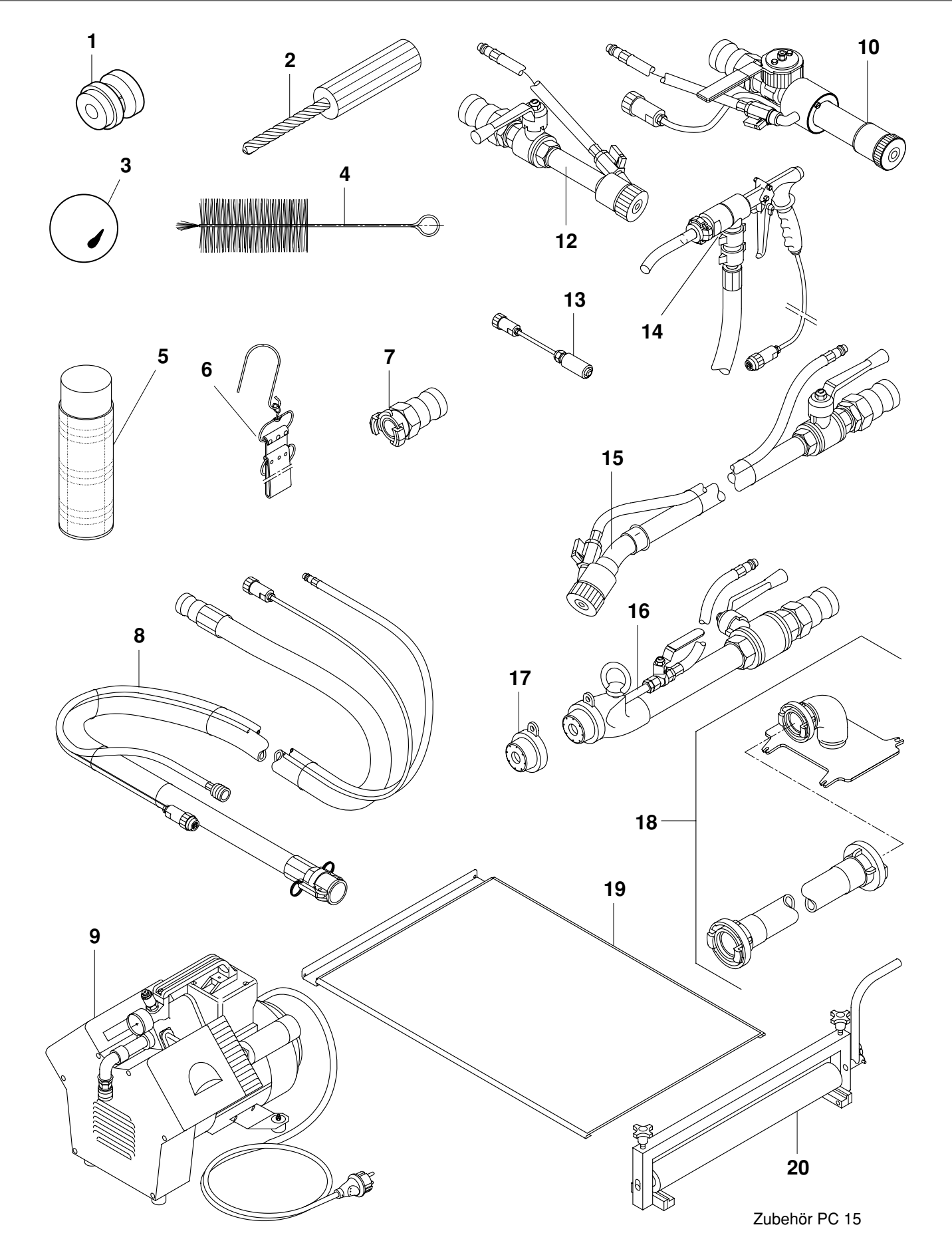


SAL PC 15

Accessories – Plast Coat 15

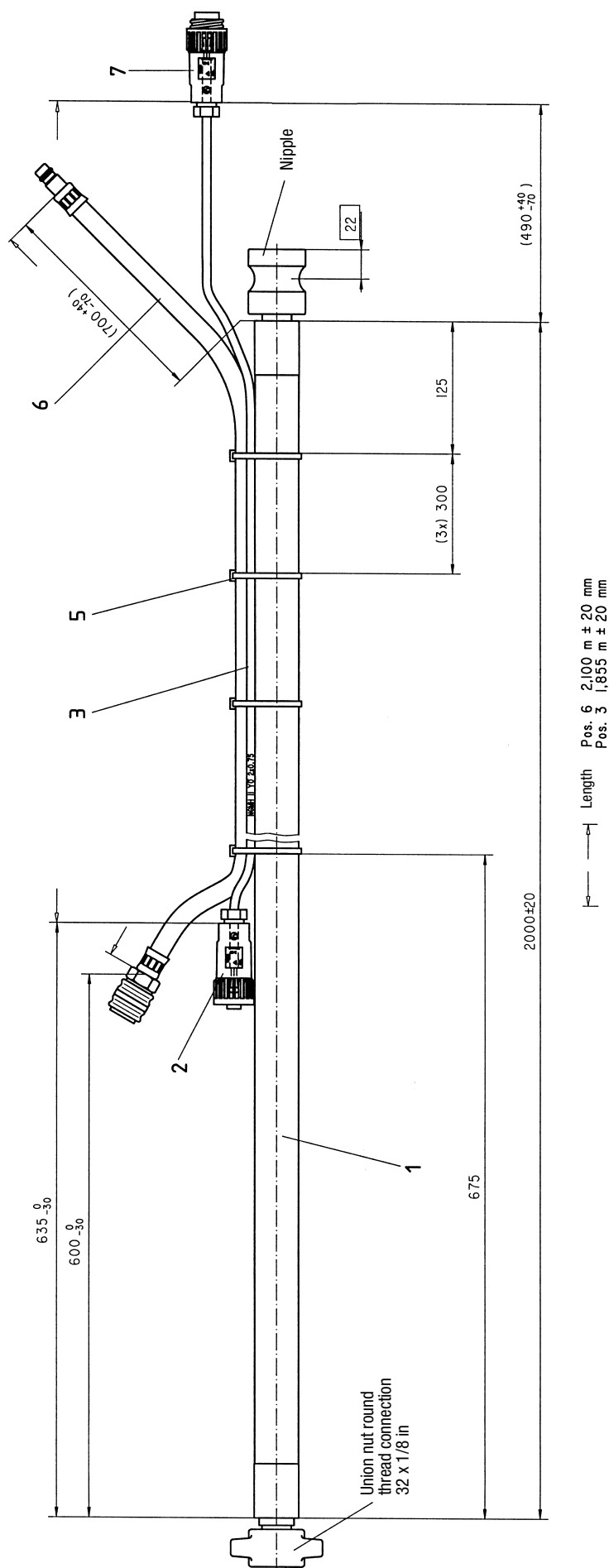
Item	Part No.	Designation
1	0268 779	Texture nozzle 4
	0268 780	Texture nozzle 6
	0268 781	Texture nozzle 8 (standard)
	0268 782	Texture nozzle 10
	0342 327	Texture nozzle 12
	0268 905	Texture nozzle set 4, 6, 8, 10
2	0342 916	Cleaning needle
3	0342 330	Cleaning ball for DN 19 mm
	0342 331	Cleaning ball for DN 27 mm
4	0342 329	Bottle brush for cleaning the inside of the outlet unit and spray lance
5	9992 824	Pump antiseize 500 ml
6	0342 215	Hose holder
7	0342 206	Cleaning adapter V 27 / GK
8	0348 912	Mortar hose DN 27, 10 m, connection V 27
	0348 909	Mortar hose DN 19, 10 m, round thread connection 32 x 1/8
	0342 255	Mortar hose DN 19, 2 m, round thread connection 32 x 1/8
9	0342 231	Compressor V 400, 230 Vp 50 Hz, suction volume 350 l/min
10	0348 224	Spray lance with automatic control, connection V 27
	0348 217	Spray lance with automatic control, round thread connection 32 x 1/8
12	0342 200	Spray lance without automatic control, connection V 27
	0268 297	Spray lance without automatic control, round thread connection 32 x 1/8
13	0268 216	Pressure switch for remote control of spray lance without automatic control
14	0342 246	Applying lance, connection V 27; for applying heat insulating composite adhesive
15	0342 713	Ceiling spray lance
16	0342 912	Rendering lance 200 U
17	0268 726	Rendering nozzle set 14, 16, 18
18	0348 907	Container suction system
19	0348 908	Sliding cover for receptacle
20	0268 728	Sack mangle

Accessories illustration – Plast Coat 15



Zubehör PC 15

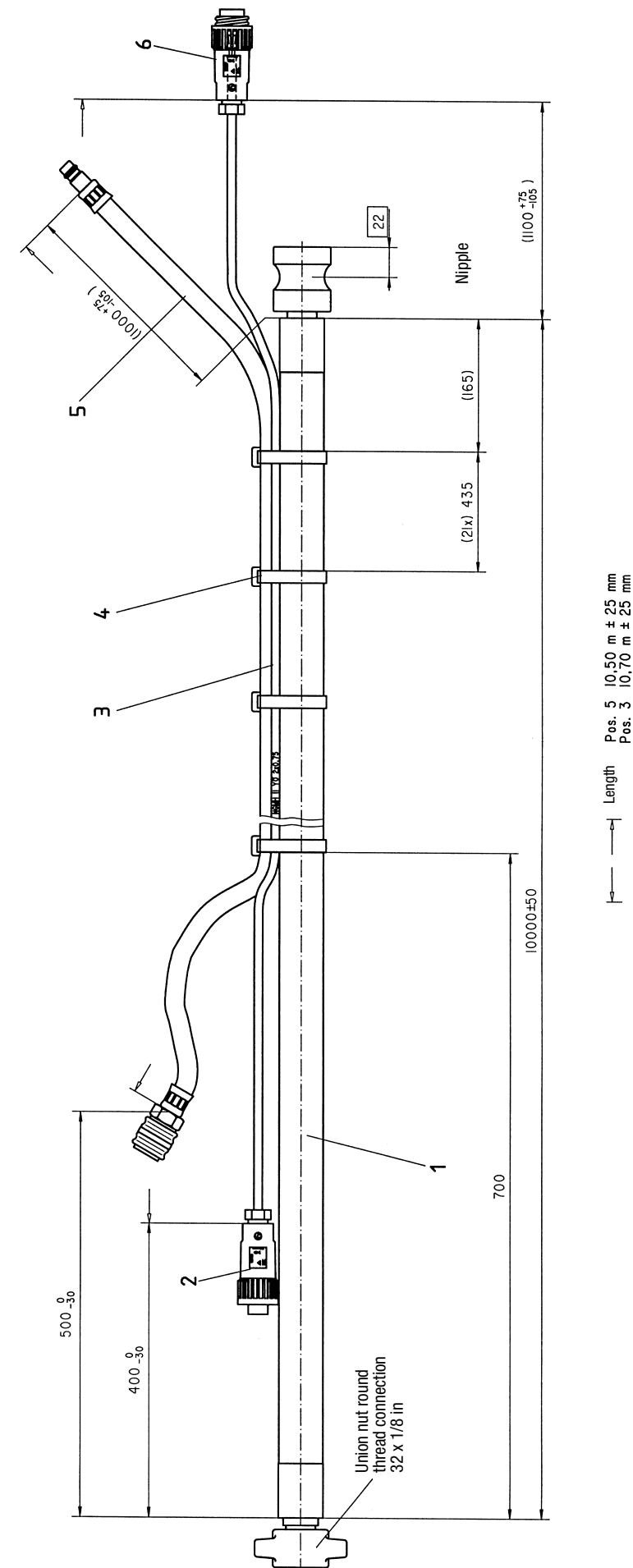
Spare parts list and spare parts illustration – Mortar hose DN 19 – 2 m



Spare parts list – Mortar hose DN 19 – 2 m

item	Part No.	Designation
	0342 255	Mortar hose DN 19 – 2 m
1	0268 614	Mortar hose
2	9952 672	Plug
3	0268 613	Control cable with pos. 2 and 7
5	9992 610	Cable clamp (5)
6	0268 612	Air hose
7	9952 673	Coupling plug

Spare parts list and spare parts illustration – Motar hose DN 19 – 10 m



Spare parts list – Mortar hose DN 19 – 10 m

item	Part No.	Designation
	0348 909	Mortar hose DN 19 – 10 m
1	0348 914	Mortar hose
2	9952 672	Plug
3	0342 248	Control cable with pos. 2 und 6
4	9994 695	Cable clamp (22)
5	0342 247	Air hose
6	9952 673	Coupling plug

Spare parts list – Spray lance with automatic control

Item	Part No.	Designation
	0348 224	Spray lance with automatic control, connection V 27
	0348 217	Spray lance with automatic control, connection round thread 32 x 1/8
1	9910 204	Hexagon nut M 6 DIN 985
2	3050 347	Washer 6.4 DIN 433
3	0348 225	Lever
4	3051 679	O-ring 35 x 2
5	0348 354	Air pipe
6	0348 355	Nozzle head
7	0268 779	Texture nozzle 4
	0268 780	Texture nozzle 6
	0268 781	Texture nozzle 8 (standard)
	0268 782	Texture nozzle 10
	0342 327	Texture nozzle 12
8	0342 350	Sealing washer
9	0342 351	Union nut
10	0348 346	Material pipe
11	9902 309	Pan head tapping screw 4.2 x 16 DIN 7971
12	0348 384	Cover
13	0348 216	Cable
14	0348 226	Connection sleeve
15	3105 540	O-ring 26 x 2
16	9991 111	Ball tap
17	9983 237	Double nipple*
	9983 238	Double nipple (for spray lance with round thread connection 32 x 1/8)*
18	0342 313	Fix nipple V 27*
19	9991 112	Ball tap*
20	0268 604	Air hose*
* Loctite 222		

Spare parts list – Spray lance without automatic control

Item	Part No.	Designation
	0342 200	Spray lance without automatic control, connection V 27
	0268 297	Spray lance without automatic control, connection round thread 32 x 1/8
1	0268 779	Texture nozzle 4
	0268 780	Texture nozzle 6
	0268 781	Texture nozzle 8 (standard)
	0268 782	Texture nozzle 10
	0342 327	Texture nozzle 12
2	0342 350	Sealing washer
3	0342 351	Union nut
4	0268 604	Air hose*
5	9991 112	Ball tap*
6	0268 470	Nozzle head
7	0342 469	Material pipe*
	0268 469	Pipe (for spray lance with round thread connection 32 x 1/8)*
8	9991 111	Ball tap*
9	9983 237	Double nipple*
	9983 238	Double nipple (for spray lance with round thread connection 32 x 1/8)*
10	0342 313	Fix nipple V 27*
* Loctite 222		

This exploded view diagram illustrates the components of a water filter assembly, numbered 1 through 20. The parts are arranged to show their assembly sequence and relative positions. Key components include:

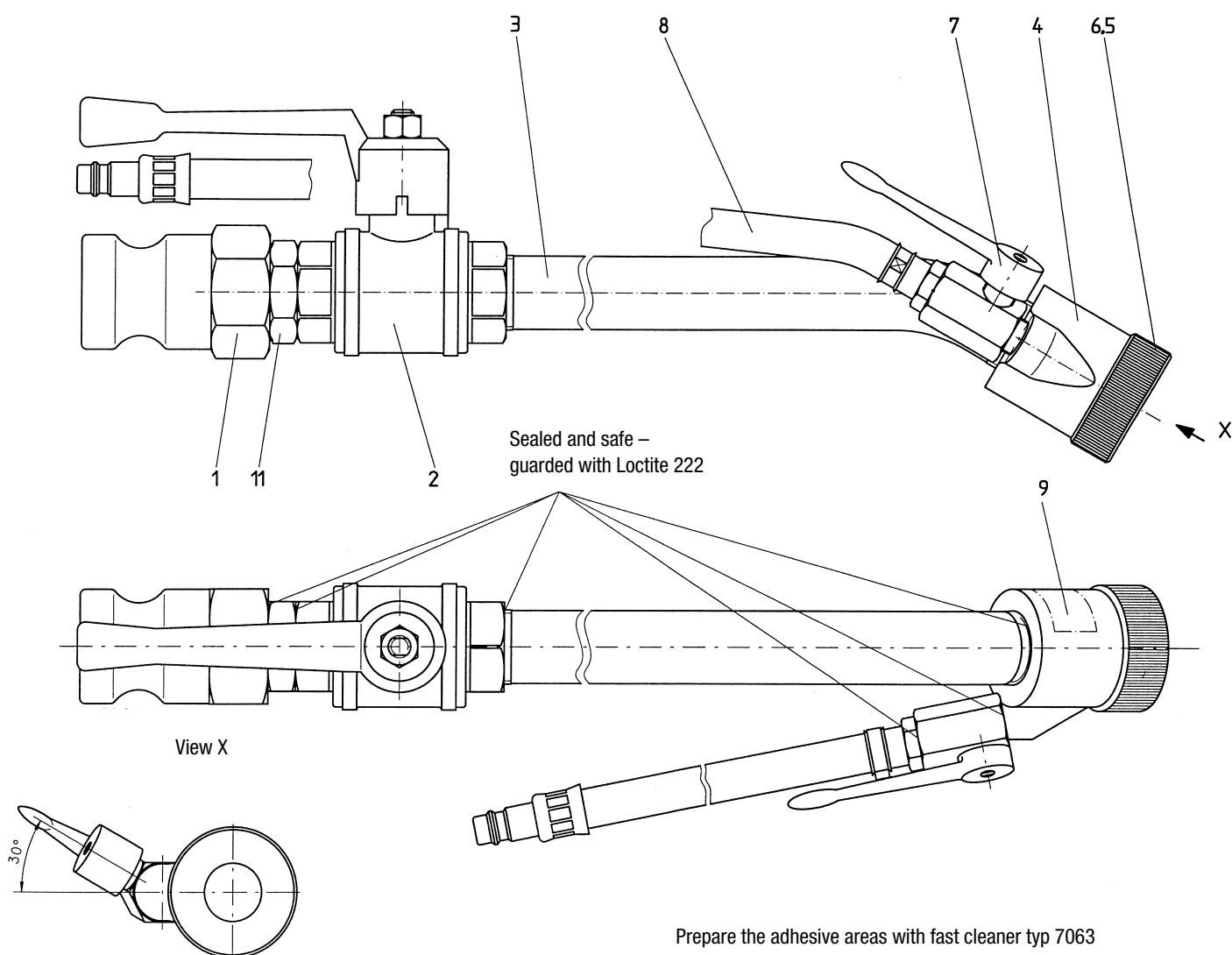
- 1, 2, 3:** Small fasteners or screws at the top of the main housing.
- 4:** Two O-rings, one located between the top cap and the main housing, and another between the main housing and the bottom cap.
- 5:** A long, hollow cylindrical component, likely the filter element or a support tube.
- 6:** A threaded cap or end fitting for the bottom of the assembly.
- 7, 8, 9:** A series of small components, possibly a seal or a filter media support, located at the very bottom.
- 10:** A long, hollow cylindrical component, similar to part 5, located at the bottom of the assembly.
- 11:** Two small screws or pins used to secure the bottom cap.
- 12:** A circular flange or gasket located between the bottom cap and the main housing.
- 13:** A curved, U-shaped component, possibly a bypass or a filter media support.
- 14:** The main cylindrical housing of the filter assembly.
- 15:** An O-ring located between the main housing and the bottom cap.
- 16:** A threaded fitting or connector on the side of the main housing.
- 17:** A hexagonal nut or washer used to secure the side fitting.
- 18:** A large, hexagonal fitting or connector on the side of the main housing.
- 19:** A small, L-shaped component, possibly a bracket or a support.
- 20:** A small, cylindrical component, possibly a filter media support or a seal.

This exploded view diagram illustrates the assembly of a ball valve. The components are numbered as follows:

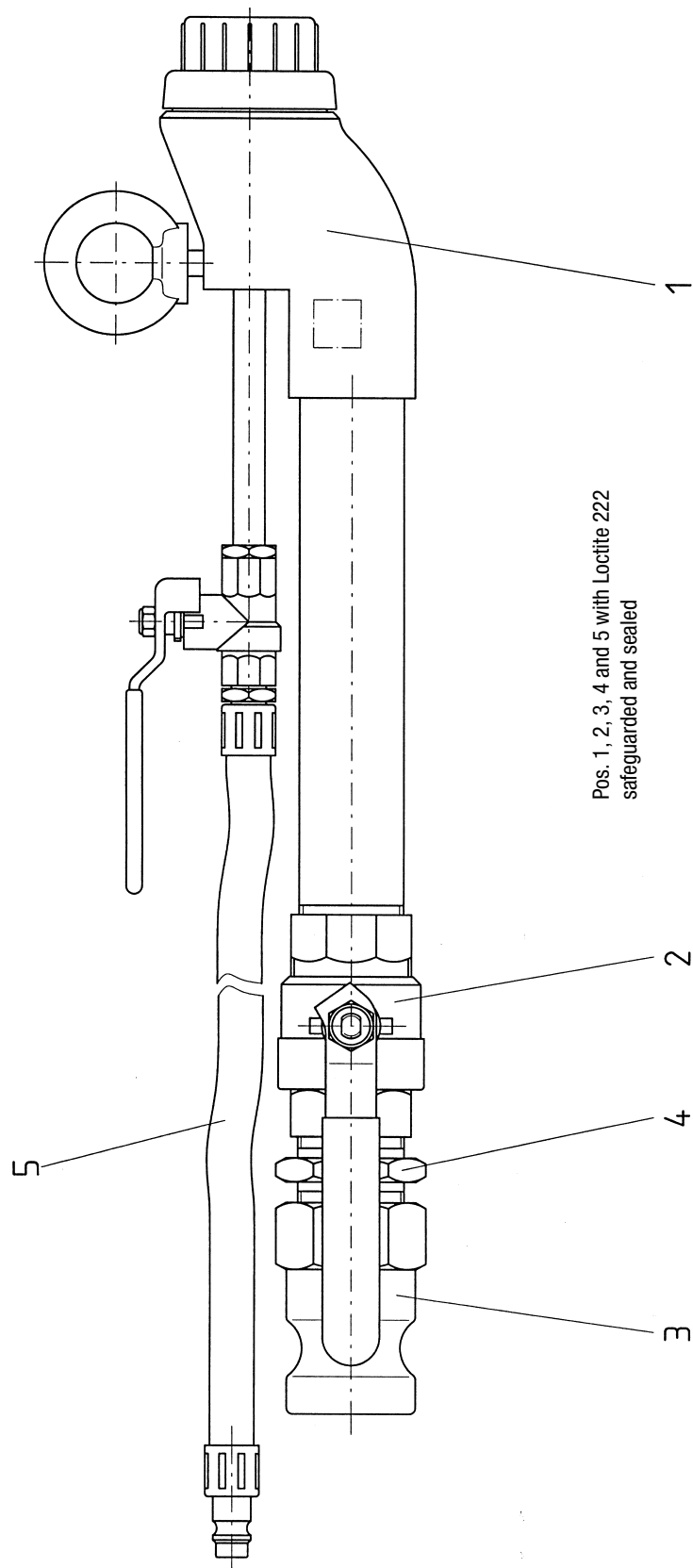
- 1**: O-ring seal for the handle assembly.
- 2**: Flat washer for the handle assembly.
- 3**: Lock washer for the handle assembly.
- 4**: Pin for the handle assembly.
- 5**: Pin for the handle assembly.
- 6**: End cap for the valve body.
- 7**: Valve body.
- 8**: Ball valve handle.
- 9**: Plug for the valve body.
- 10**: Plug for the valve body.

Spare parts list and spare parts illustration – Ceiling spray lance

Item	Part No.	Designation
	0342 713	Ceiling spray lance
1	0342 313	Fix nipple V 27
2	9991 111	Ball tap
3	0268 616	Pipe
4	0268 470	Nozzle head
5	0342 350	Sealing washer
6	0342 351	Union nut
7	9991 503	Ball tap
8	0268 617	Air hose DN 19
9	9994 629	Plate
11	9983 237	Double nipple
	9992 821	Loctite fast cleaner 7063 – 400 ml
	9992 590	Loctite 222 – 50 ml



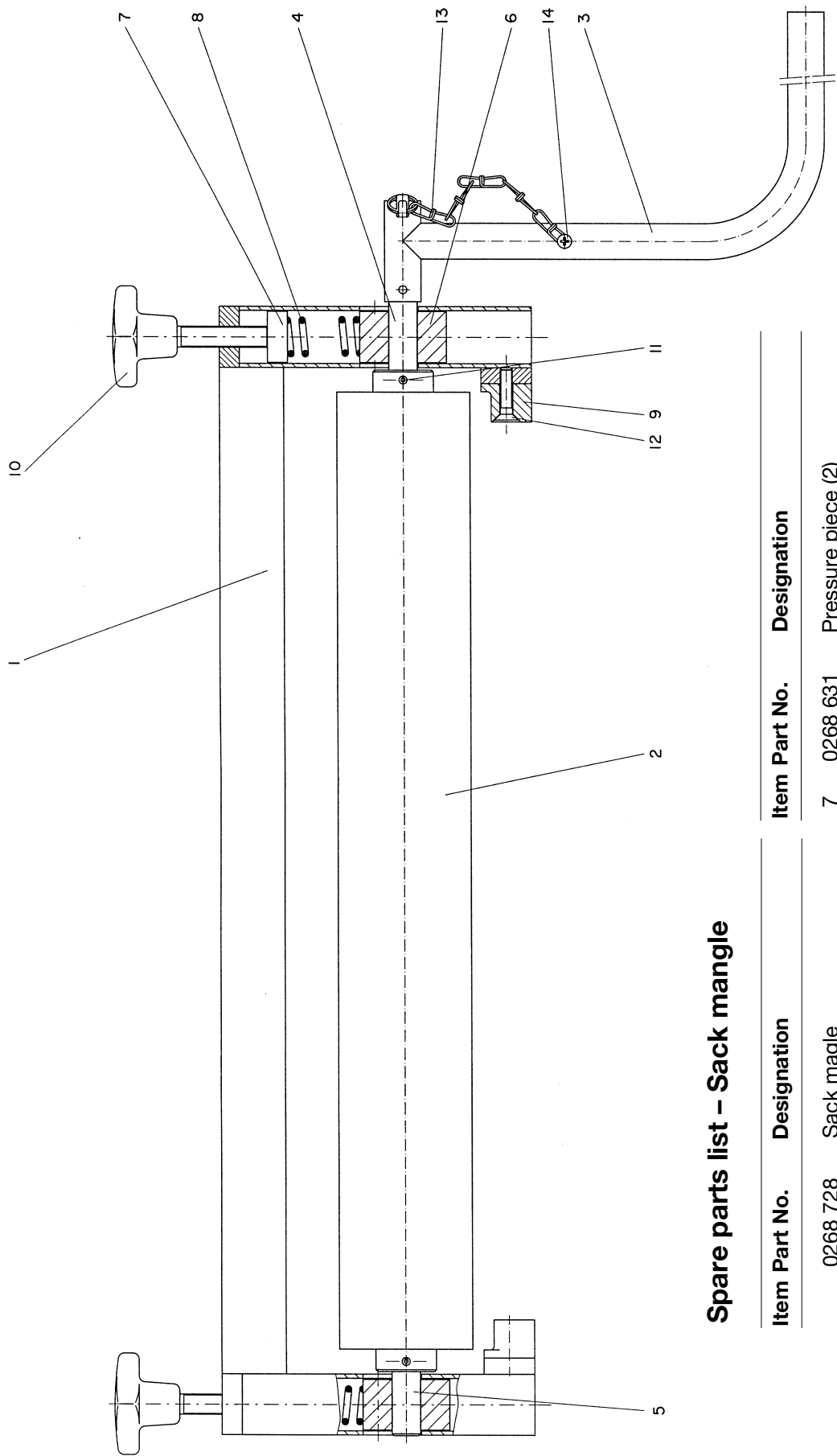
Spare parts list and spare parts illustration – Rendering lance 200 U



Spare parts list – Rendering lance 200 U

Item	Part No.	Designation
	0342 912	Rendering lance 200 U
1	0342 914	Spraying unit M 25 – 200
2	9991 556	Ball tap DN 25
3	0342 313	Fix nipple V 27
4	9998 147	Double nipple
5	0268 604	Air hose DN 9
	0268 726	Rendering nozzle set 14, 16, 18
	9992 821	Loctite fast cleaner 7063 – 400 ml
	9992 590	Loctite 222 – 50 ml

Spare parts list and spare parts illustration – Sack mangle



Spare parts list – Sack mangle

Item	Part No.	Designation	Item	Part No.	Designation
	0268 728	Sack magle	7	0268 631	Pressure piece (2)
1	0268 626	Frame	8	9994 291	Pressure spring (2)
2	0268 627	Roller	9	0268 635	Crosshead guide (2)
3	0268 633	Crank	10	9990 366	Star handle screw (2)
4	0268 628	Shaft	11	9932 017	Clamping sleeve (2)
5	0268 629	Shaft	12	9900 522	Countersunk head screw (4)
6	0268 630	Guide piece (2)	13	9995 309	Spring pin
			14	9903 322	Screw