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WAREWASHER

ELECTRONICAL SWITCHES
DOUBLE BODY VERSION
LOWER AND UPPER VERSION

TYPE: 81E

Accessories
BOOSTER PUMP
DETERGENT DISPENSER
DRAIN PUMP

Spare Parts Manual



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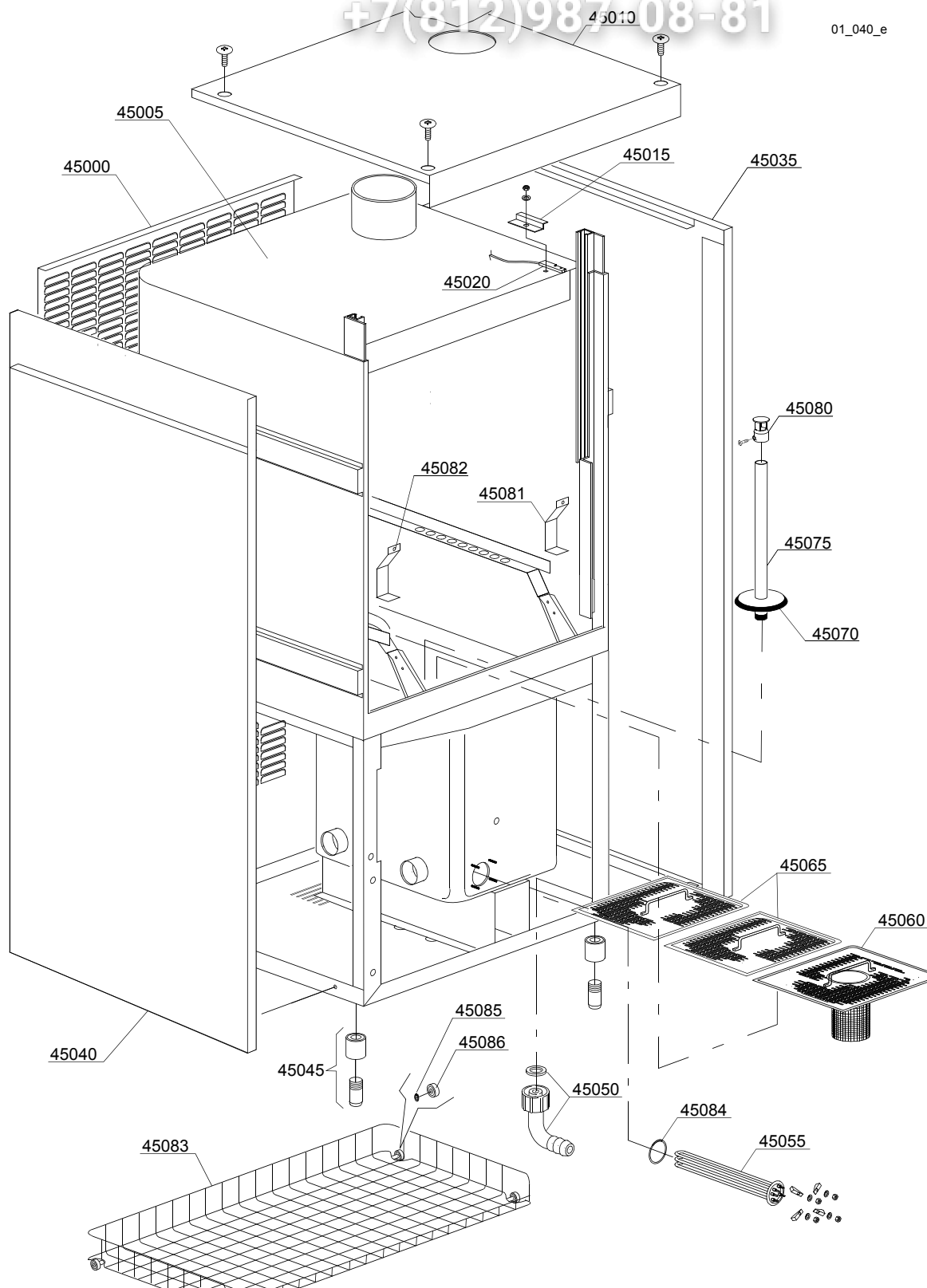
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1.1 Voltage codes

Volt	Voltage code
A	3/N/PE~380-400V 50-60Hz
D	3/PE~200-210V 50-60Hz
F	2/PE~220-240V 50-60Hz
G	3/N/PE~415V 50-60Hz
H	3/PE~220-230V 50-60Hz
K	3/PE~380-400V 50-60Hz
L	3/PE~415V 50-60Hz
M	3/PE~440V 60Hz
P	1/N/PE~220-230V 50-60Hz
R	2/PE~220-240V 50-60Hz
U	1/N/PE~240V 50-60Hz
V	3/PE~240V 50-60Hz
W	1/N/PE~100-110V 50-60Hz

1.2 Product codes

Product code	Full name
Model codes	
e	ELECTRONICAL SWITCHES
dc	DOUBLE BODY VERSION
uw	LOWER AND UPPER VERSION
Type codes	
81E	81E
Accessory codes	
bp	BOOSTER PUMP
dd	DETERGENT DISPENSER
dp	DRAIN PUMP



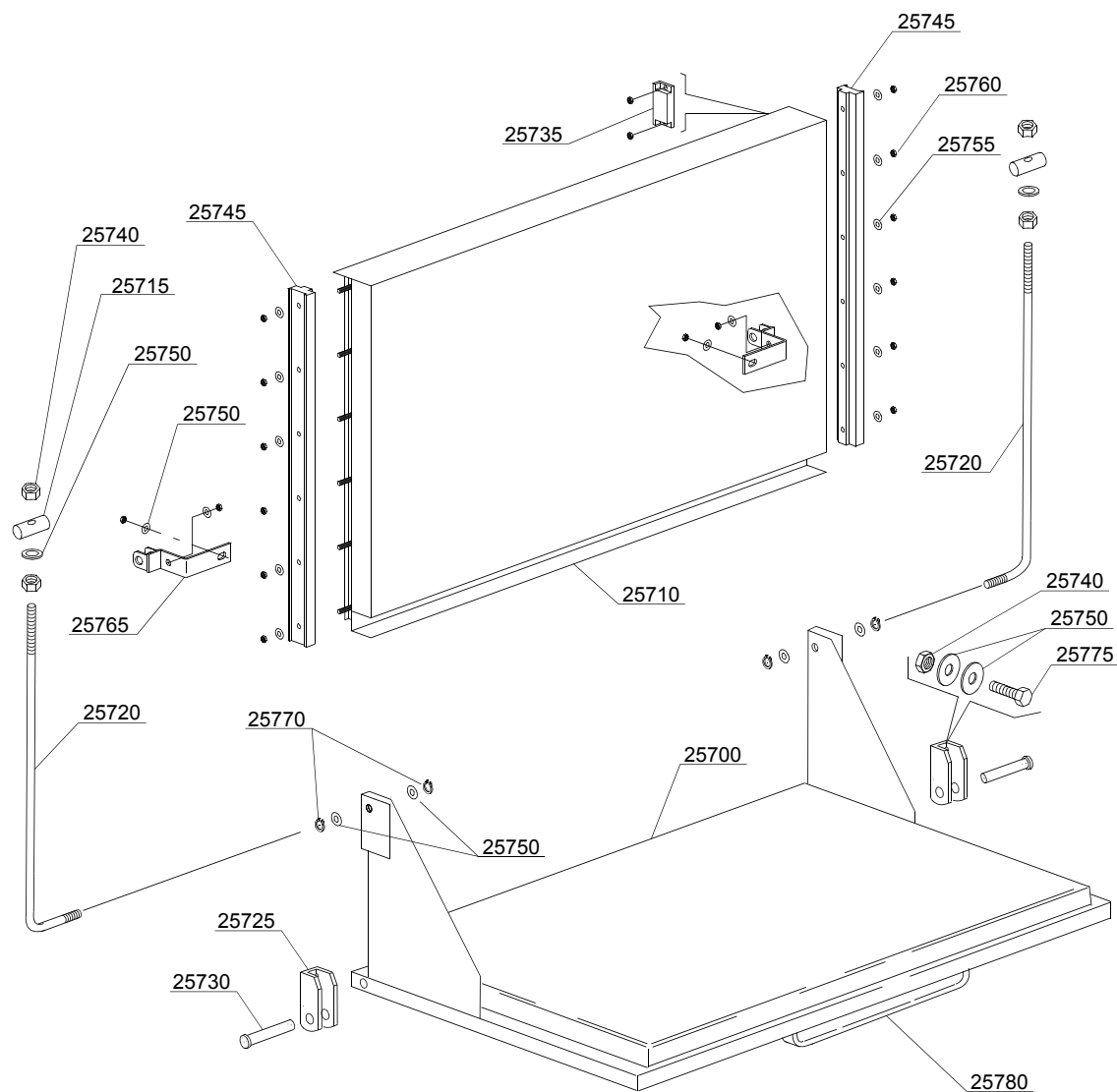
ID	P-code	SN from	SN to	Mod.	Acces.	Volt	Description
Module:General body parts							
45000	92004		-	e,dc			Back panel
45005	92000		-	e,dc			Body with complete door
45010	92005		-	e,dc			Tank
45015	3009112		-	e,dc			Support microswitch
45020	3003112		-	e,dc			Door microswitch
45035	91002		-	e,dc			Right lower panel
45040	91003		-	e,dc			Left lower panel
45045	15116		-	e,dc			Foot
45050	15613		-	e,dc			Elbow 1¼"
45055	30001010		-	e,dc		A,H,K,L,P,R,U,V	Heating element 6000/6530W 230/240V 3
45060	11600906		-	e,dc			Front surface filter
45065	11600907		-	e,dc			Back surface filter
45070	11600002		-	e,dc			Packing to flange
45075	91101		-	e,dc			Overflow pipe tube
45080	11600019		-	e,dc			End overflow pipe tube
45081	80936		-	e,dc			Right splash guard
45082	80937		-	e,dc			Left splash guard
45083	92100		-	e,dc			Inox rack with wheel
45084	13015		-	e,dc			O-ring 6225 OR 160 NBR
45085	89919/A		-	e,dc			Inox seger Ø 8
45086	89919		-	e,dc			Plastic wheel

e=ELECTRONICAL SWITCHES, dc=DOUBLE BODY VERSION, uw=LOWER AND UPPER VERSION

81E=81E

bp=BOOSTER PUMP, dd=DETERGENT DISPENCER, dp=DRAIN PUMP

A=3/N/PE~380-400V 50-60Hz, D=3/PE~200-210V 50-60Hz, F=2/PE~220-240V 50-60Hz, G=3/N/PE~415V 50-60Hz, H=3/PE~220-230V 50-60Hz, K=3/PE~380-400V 50-60Hz, L=3/PE~415V 50-60Hz, M=3/PE~440V 60Hz, P=1/N/PE~220-230V 50-60Hz, R=2/PE~220-240V 50-60Hz, U=1/N/PE~240V 50-60Hz, V=3/PE~240V 50-60Hz, W=1/N/PE~100-110V 50-60Hz



ID	P-code	SN from	SN to	Mod	Acces.	Volt	Description
Module: Lockup system							
25700	92000/A		-	e			Door with steel handle
25710	92000/B		-	e			Upper door
25715	22219		-	e			Door rod pin
25720	22220		-	e			Door rod
25725	22206/B		-	e			Door hinge
25730	22220/A		-	e			Pin for door
25735	80232		-	e			Reed magnet
25740	11721		-	e			Nut (minum 10 pieces)
25745	90024		-	e			Slide for door
25750	11177		-	e			Ø6x12 Plain washer (minimum 10 pieces)
25755	11176		-	e			Ø 5 Plain washer (minimum 20 pieces)
25760	11169		-	e			M5 inox-nut (minum 10 pieces)
25765	90916		-	e			Door movement support
25770	11815		-	e			Ø8 stainless steel snap ring (minimum 5 pieces)
25775	11104/B		-	e			M6x16 stainless steel screw (minimum 5 pieces)
25780	80750		-	e			Stainless steel handle

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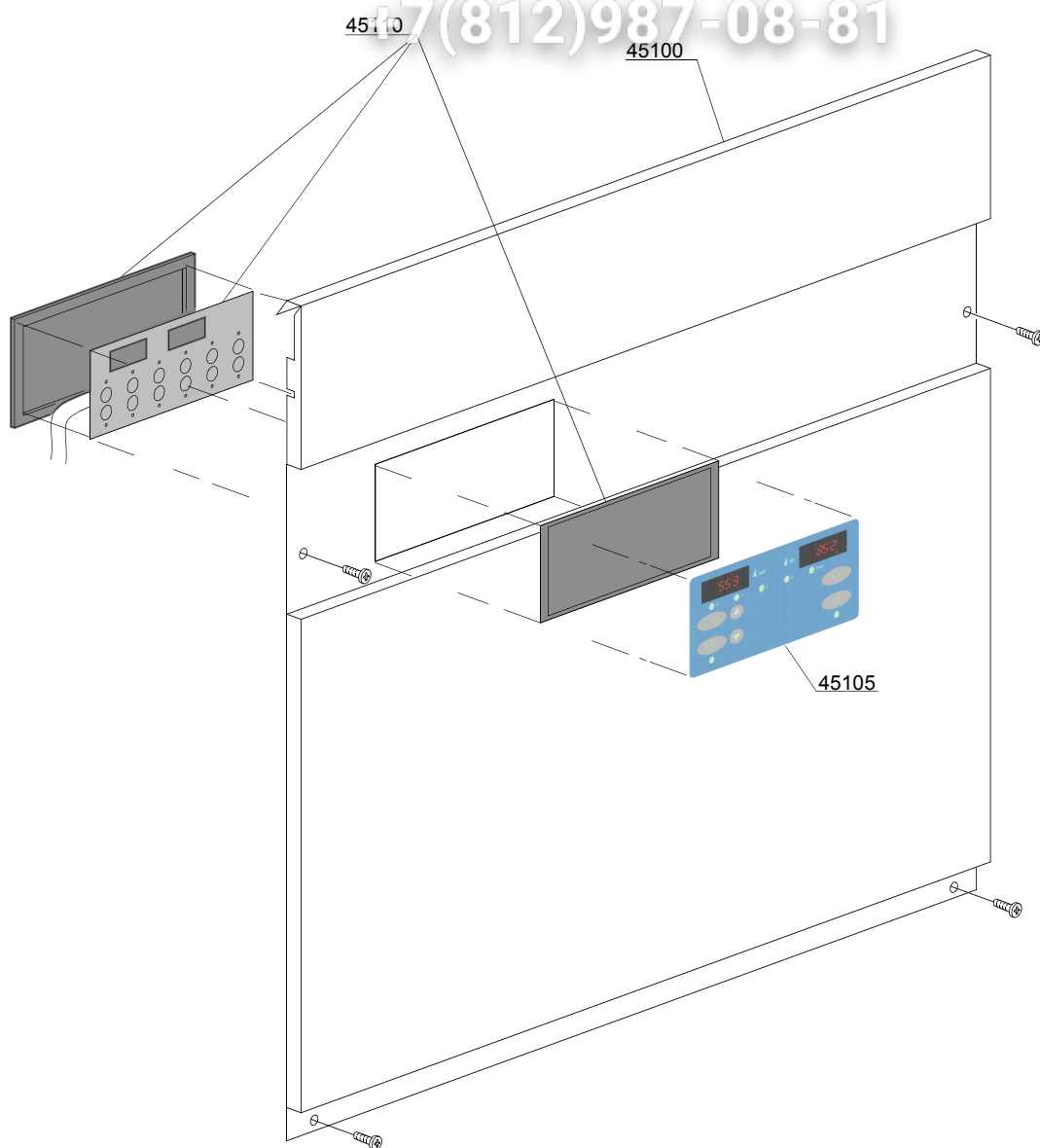
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ID	P-code	SN from	SN to	Mod.	Acces.	Volt	Description
Module:Control panel and switches							
45100	92006		-	e			Control panel
45105	50571		-	e			Silkscreen processed grill membrane push button-driver dp+ws(D)
45105	50575		-	e			Neutral silkscreen processed grill membrane push button-driver dp+ws(N)
45105	50578		-	e			Silkscreen processed grill membrane push button-driver dp+ws(K)
45110	50570/D		-	e			Compleat membrane push button-driver PLUS

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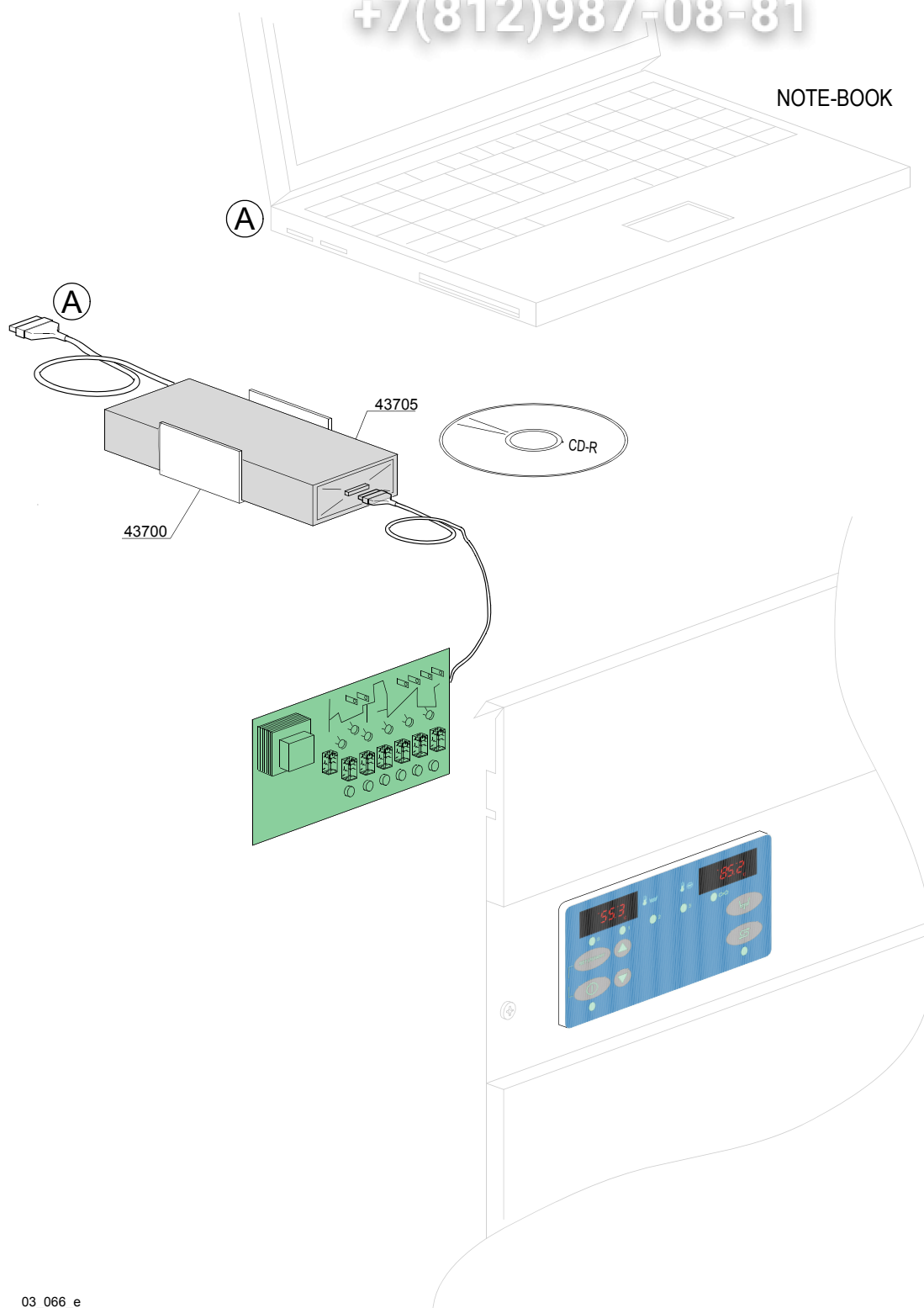
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03_066_e

ID	P-code	SN from	SN to	Mod.	Acces.	Volt	Description
Module:Electronic control HACCP							
43700	3060200		-	e			Support DATA-LOGGER
43705	99910217		-	e			Kit remote control HACCP

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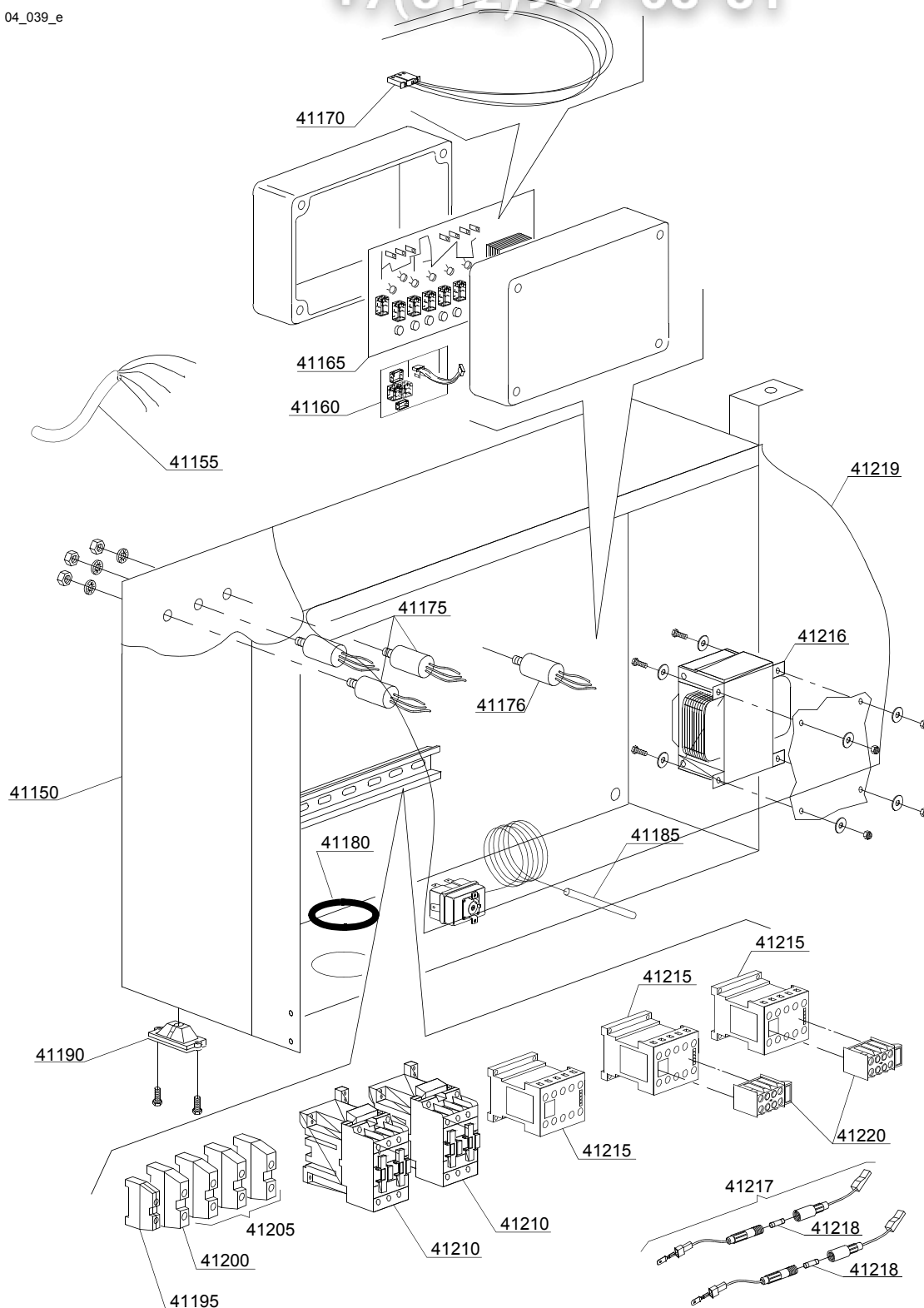
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ID	P-code	SN from	SN to	Mod	Acces.	Volt	Description
Module:Electric control components							
41150	91001		-	e			Electrical control panell
41155	80200		-	e		A,G	Power supply cable 5x4x3400
41155	75359		-	e		A,G	Power supply cable anti-flame 4x6x3400
41160	50559		-	e			Electronic Timer optional+On-Board EXP-PS
41165	50569		-	e			Fiche sans chip
41170	50562		-	e			DIHR ECO-2 Sensor
41175	15149		-	e		A,H,K,P	Filter F3 (0,33 mF)
41176	15187		-	e		A,H,K,P	Filter F3 440 VaC 3
41180	13324		-	e			Lead through rubber Ø46x50
41185	2000430		-	e		A,H,K,P	90/110 1500 PVC Thermostat
41190	15065/A		-	e			Cable press with lives
41195	10300401		-	e			6/8mm2 yellow/green terminal
41200	3006155		-	e			Blu neutral terminal
41205	3006082		-	e			Terminal 16mm2 SL-16
41210	10300050		-	e		A,F,H,K,P,R	Contactor 25A/12A 4NA 230V
41215	15086		-	e			Contactor 230 V
41216	15384		-	e			0-230V 160/230/400/415/440 Va Transformer
41217	3006147		-	e			5x10 Fuse holder
41218	15160		-	e			5x20 10A Fuse
41219	11600039		-	e			Transparent protection for members electrical workes
41220	3006068		-	e			MC9.10 24V 1NA-1NO auxillary contact

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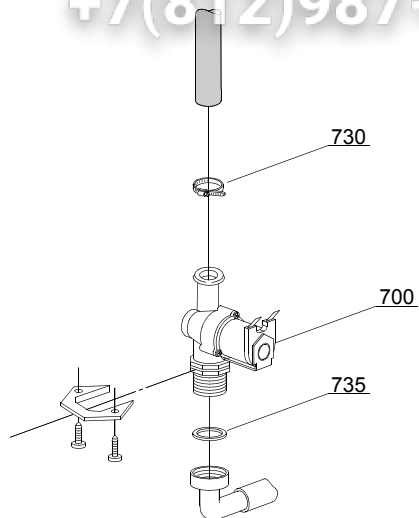
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ID	P-code	SN from	SN to	Mod.	Acces.	Volt	Description
Module: Solenoid valve group							
700	10703		-	e,dc			Single solenoid valve - 230Vac
730	11807		-	e,dc			12/22 clamp (minimum 3 pieces)
735	13307		-	e,dc			3/4 gasket

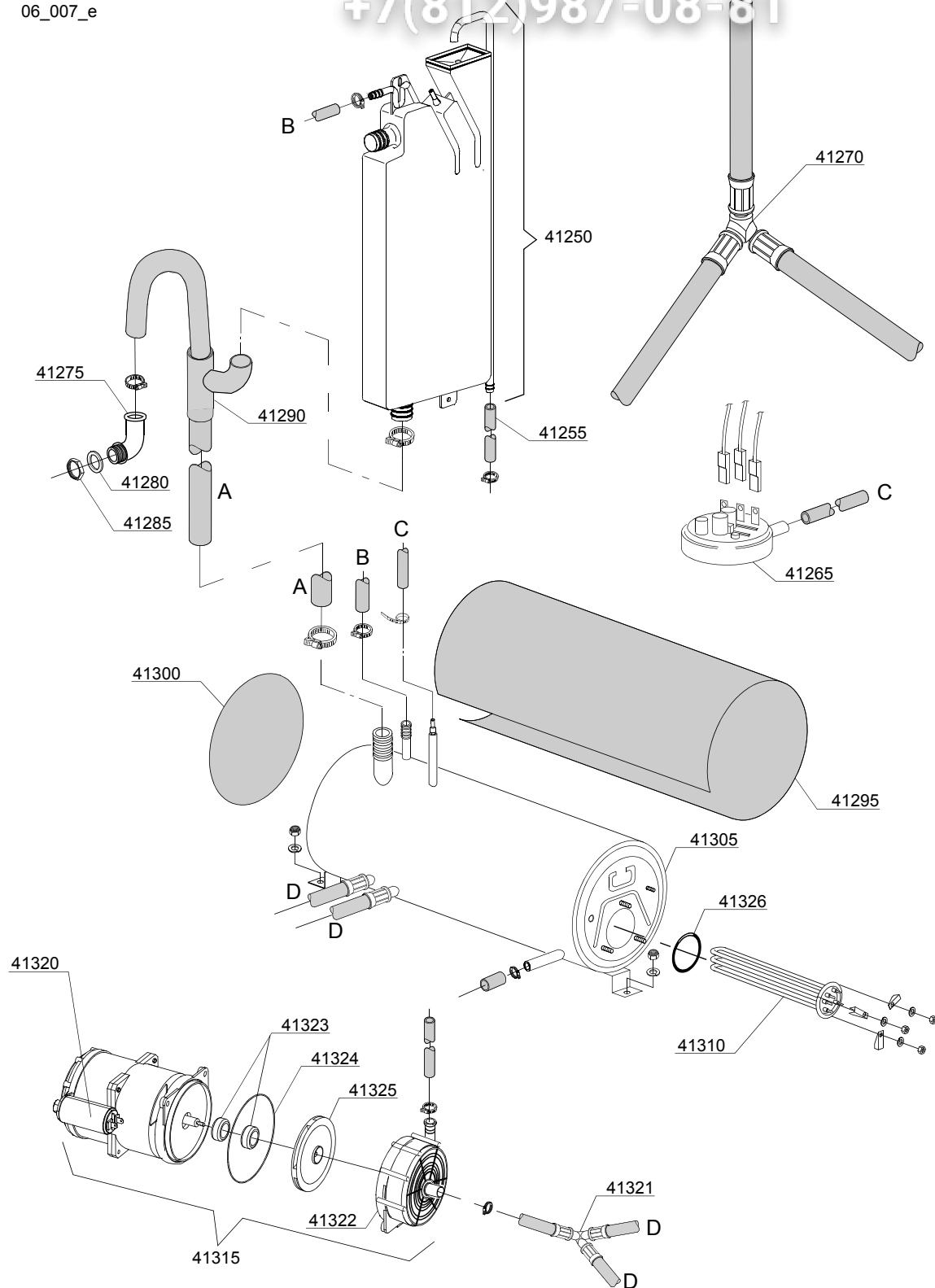
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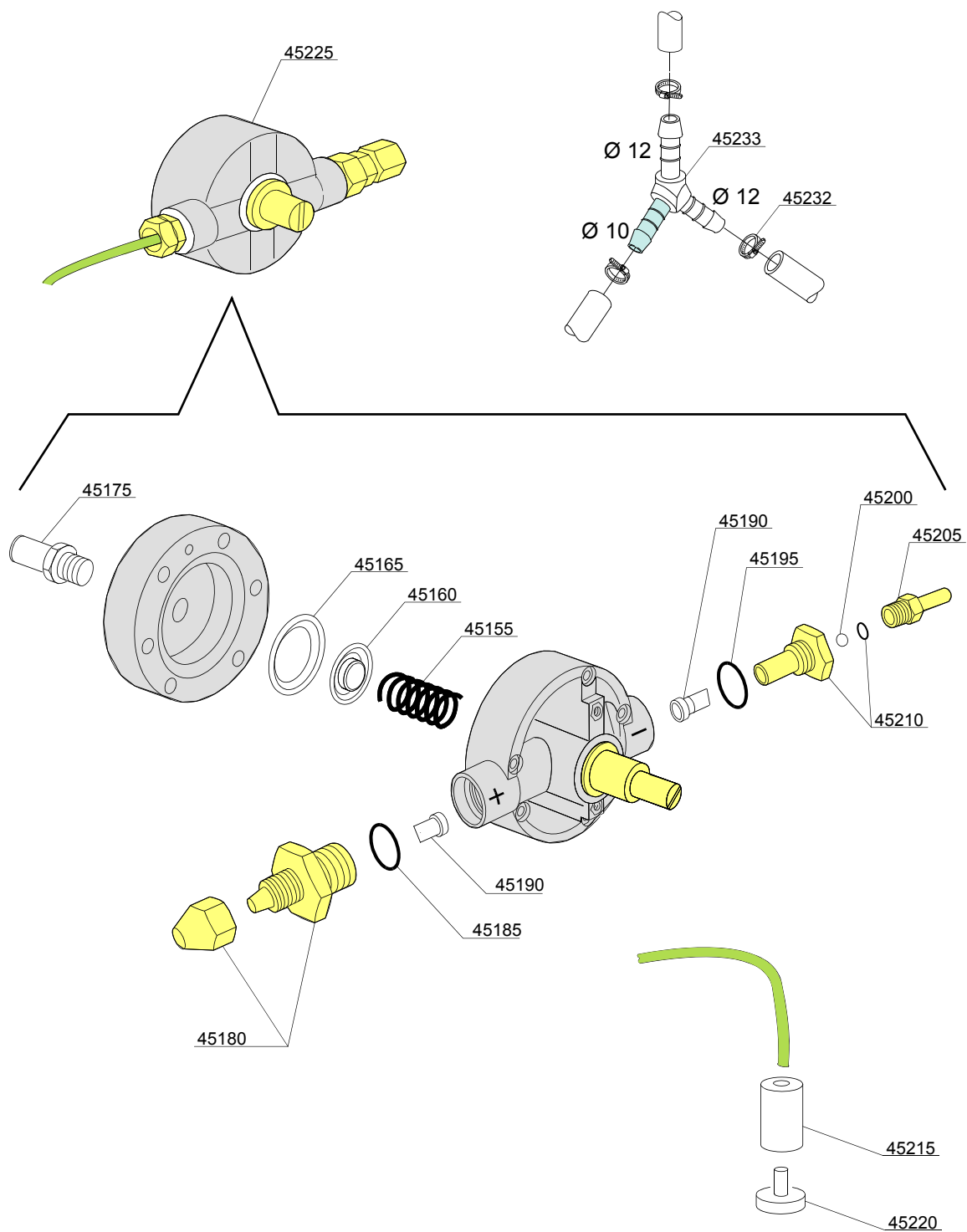
ID	P-code	SN from	SN to	Mod	Acces.	Volt	Description
Module: Rinse with steady temperature							
41250	15720		-	e,dc			Break tank assembly
41255	2907352		-	e,dc			PVC WRAS rubber hose
41265	10706/A		-	e,dc			47-27 pressure switch
41270	91110		-	e,dc			Ø12 mm plastic 3 ways connection
41275	10701		-	e,dc			Drain elbow
41280	13305		-	e,dc			44x32x3 O-ring (minimum 5 pieces)
41285	11701/A		-	e,dc			Stainless steel nut
41290	91112		-	e,dc			Muff of emergency
41295	91116		-	e,dc			Insulation boiler 600x680
41300	91115		-	e,dc			Ø190x3 end piece
41305	91104		-	e,dc			Atmospheric Boiler AISI-316
41310	30001011		-	e,dc			Element 9,0 kW 230/240 VaC 3
41315	15100/DO		-	e,dc			Rinsing pump / booster pump 220/240V
41320	10702		-	e,dc			5 uF condenser
41321	91111		-	e,dc			Ø12 mm plastic 3 ways connection
41322	15100/V		-	e,dc			Scroll
41323	15100/S		-	e,dc			Rotating seals
41324	15100/T		-	e,dc			OR O-ring
41325	15100/U		-	e,dc			Pump rotor
41326	13015		-	e,dc			O-ring 6225 OR 160 NBR

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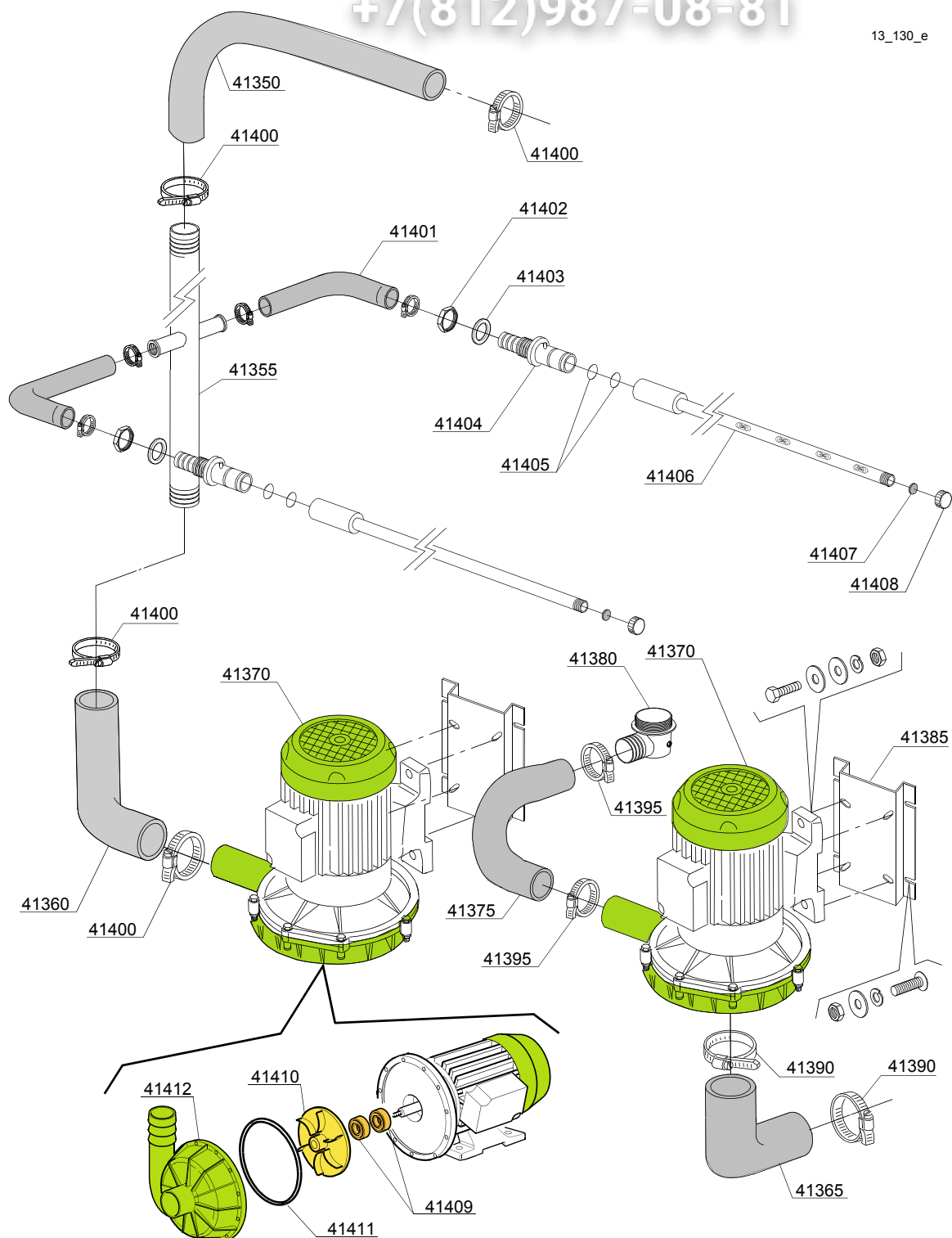
ID	P-code	SN from	SN to	Mod	Acces.	Volt	Description
Module: Rinse aid dispenser group							
45155	10705/M		-	e,dc			Spring
45160	10705/N		-	e,dc			Disc to membrane
45165	10750/O		-	e,dc			Membrane
45175	12506		-	e,dc			Rubber-holder Ø 10mm
45180	10705/G		-	e,dc			Pipe fitting
45185	10705/C		-	e,dc			OR-gasket
45190	10705/D		-	e,dc			Silicone valve
45195	10705/C		-	e,dc			OR-gasket
45200	10705/T		-	e,dc			Sphere made of Teflon
45205	10705/R		-	e,dc			Brass pipe fitting
45210	10705/E		-	e,dc			OR-gasket Guide valve
45215	12525		-	e,dc			Ballast
45220	15058		-	e,dc			Small filter (minimum 3 pieces)
45225	10799/G		-	e,dc			GERMAC rinse aid dispenser
45232	11807		-	e,dc			Clamp 12-22 (minimum 3 pieces)
45233	540105		-	e,dc			Ø12-10-12 mm plastic 3 ways connection

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ID	P-code	SN from	SN to	Mod	Acces	Volt	Description
Module: Wash pump							
41350	91106		-	uw			Top delivery pipe
41355	92101		-	uw			Wash ramp
41360	92102		-	uw			Low delivery pipe
41365	30002020		-	uw			Suction elbow
41370	88106		-	uw			Pump 2,7-HP 220 / 380 / 400V 50Hz
41370	88106/E		-	uw			Pump 2,7-HP (mod.1205) 240 / 415V 50Hz
41370	88106/D		-	uw			Pump 2,7-HP (mod.1205) 440V 3F 60Hz
41375	92103		-	uw			Lower delivery wash pipe
41380	90008		-	uw			Lower / Upper turret
41385	11600623		-	uw			Pump support
41390	2902481		-	uw			60-80 clamp (minimum 2 pieces)
41395	11824		-	uw			50/70 clamp (minimum 2 pieces)
41400	11810		-	uw			40/60 clamp (minimum 2 pieces)
41401	92104		-	uw			Side inlet pipe
41402	2200103		-	uw			Nut
41403	13326		-	uw			Gasket 38x27x2
41404	92106		-	uw			Fixation tube alimentation lateral
41405	13025		-	uw			O-ring 2081
41406	92105		-	uw			Tube lavage lateral
41407	2002051		-	uw			Gasket EPDM 17.5x1.5
41408	2002054		-	uw			Plug for arm
41409	15080		-	uw			Rotating seals
41410	88222		-	uw			Pump rotor HP-2,7 (F1205)
41410	88222		-	uw			240V - 415V Pump rotor HP-2,7 (F1205)
41411	10200290		-	uw			O-ring 1225
41412	88220		-	uw			Scroll

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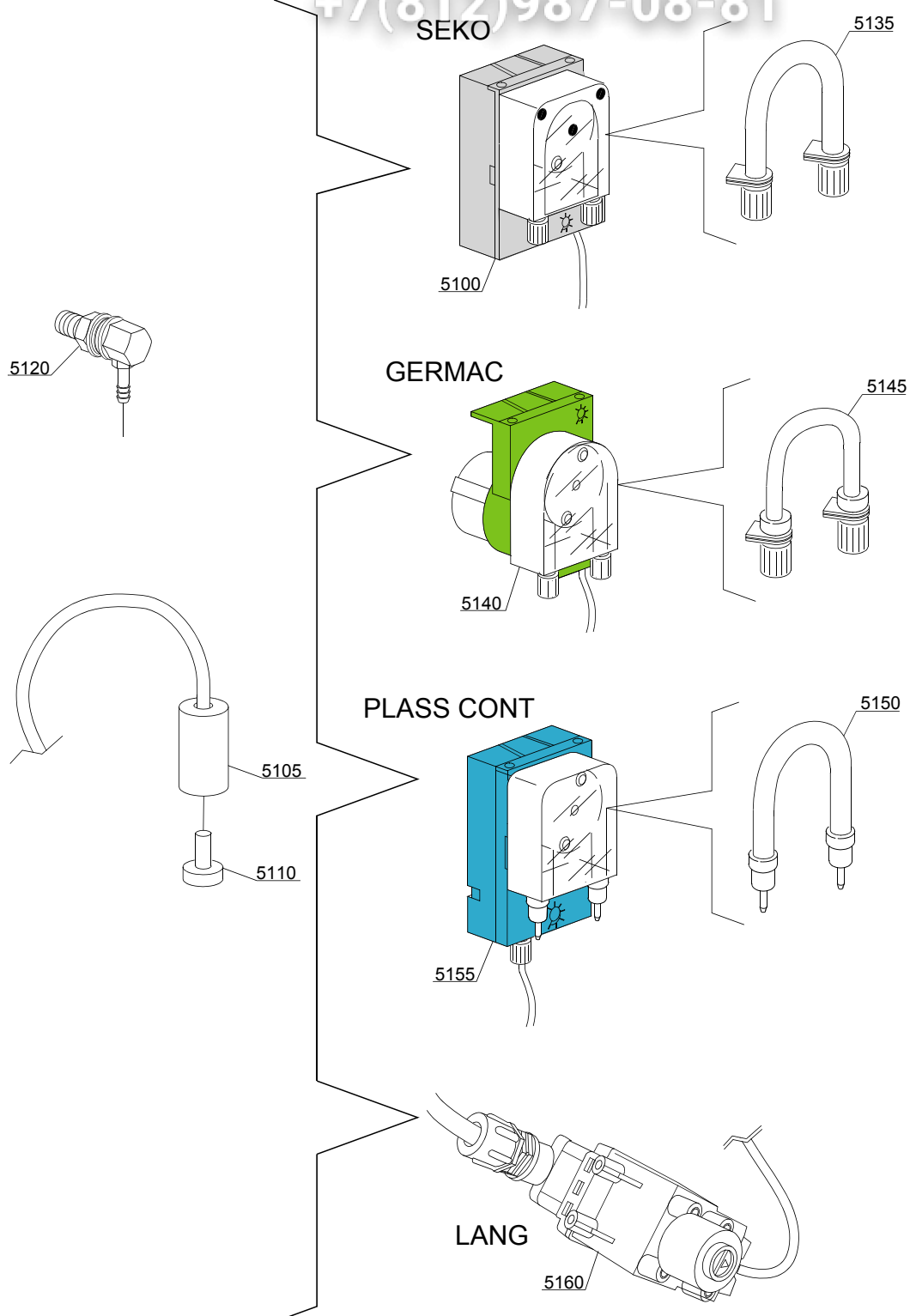
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14_004_e

ID	P-code	SN from	SN to	Mod	Acces.	Volt	Description
Module:Dosing detergent group							
5100	15985		-		dd		Seko detergent pump
5105	12525		-		dd		Counter-weight
5110	15058		-		dd		Suction filter (minimum 3 pieces)
5120	15123		-		dd		Steel injector
5125	15159		-		dd		OR O-ring (minimum 2 pieces)
5130	10200205		-		dd		Nut m12x1 (minimum 2 pieces)
5135	15185		-		dd		Ø 10 Seko thermoplastic pipe
5140	15985		-		dd		Germac detergent pump
5145	15108/E		-		dd		Ø 8 Germac thermoplastic pipe
5150	15985/A		-		dd		Ø 10 PLAS CONT thermoplastic pipe
5155	15985		-		dd		PLAS CONT detergent pump
5160	15108/L		-		dd		LANG detergent pump

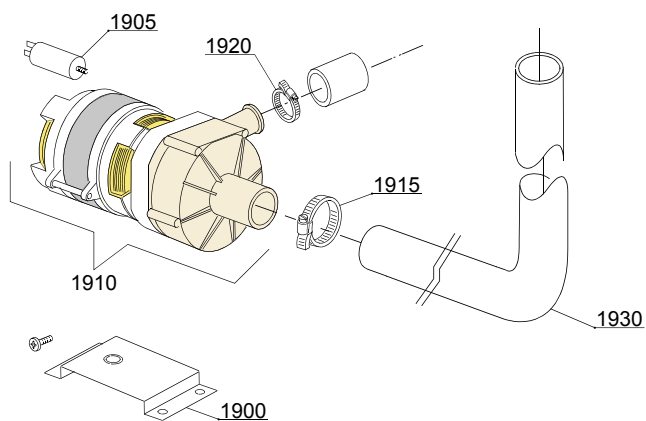
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15_006_e



ID	P-code	SN from	SN to	Mod.	Acces.	Volt	Description
Module: Drain pump group							
1900	440122		-		dp		Pump support
1905	10702		-		dp		5 uF condenser
1910	10501/A		-		dp	A,F,G,H,K,L,P,R,U,V	Drain pump 0,10Hp/190W 230V 50Hz
1915	11806		-		dp		25/40 clamp (minimum 2 pieces)
1920	11836		-		dp		20/32 clamp (minimum 2 pieces)
1925	11809		-		dp		30/45 clamp (minimum 2 pieces)
1930	18044		-		dp		Ø28 top wash pipe

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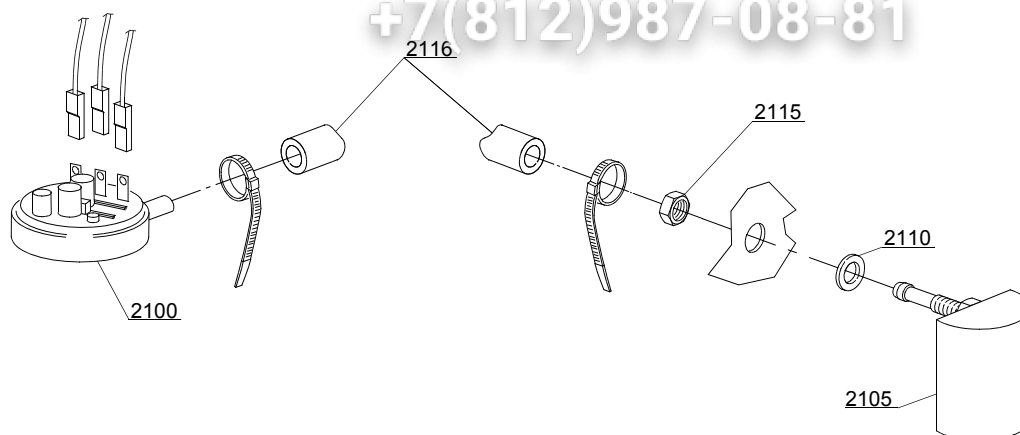
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bp=BOOSTER PUMP, dd=DETERGENT DISPENSER, dp=DRAIN PUMP

A=3/N/PE~380-400V 50-60Hz, D=3/PE~200-210V 50-60Hz, F=2/PE~220-240V 50-60Hz, G=3/N/PE~415V 50-60Hz, H=3/PE~220-230V 50-60Hz, K=3/PE~380-400V 50-60Hz, L=3/PE~415V 50-60Hz, M=3/PE~440V 60Hz, P=1/N/PE~220-230V 50-60Hz, R=2/PE~220-240V 50-60Hz, U=1/N/PE~240V 50-60Hz, V=3/PE~240V 50-60Hz, W=1/N/PE~100-110V 50-60Hz

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16_001_e

ID	P-code	SN from	SN to	Mod	Acces.	Volt	Description
Module: Pressure switch group with air trap							
2100	88110		-	dc			Pressure switch
2105	135911		-	dc			Air trap
2110	13301		-	dc			Gasket 14x8x1,5 (minimum 10 pieces)
2115	11702		-	dc			Nut M8 (minimum 10 pieces)
2116	14508		-	dc			Pressure tube EPDM 4,5x9

e=ELECTRONICAL SWITCHES, dc=DOUBLE BODY VERSION, uw=LOWER AND UPPER VERSION

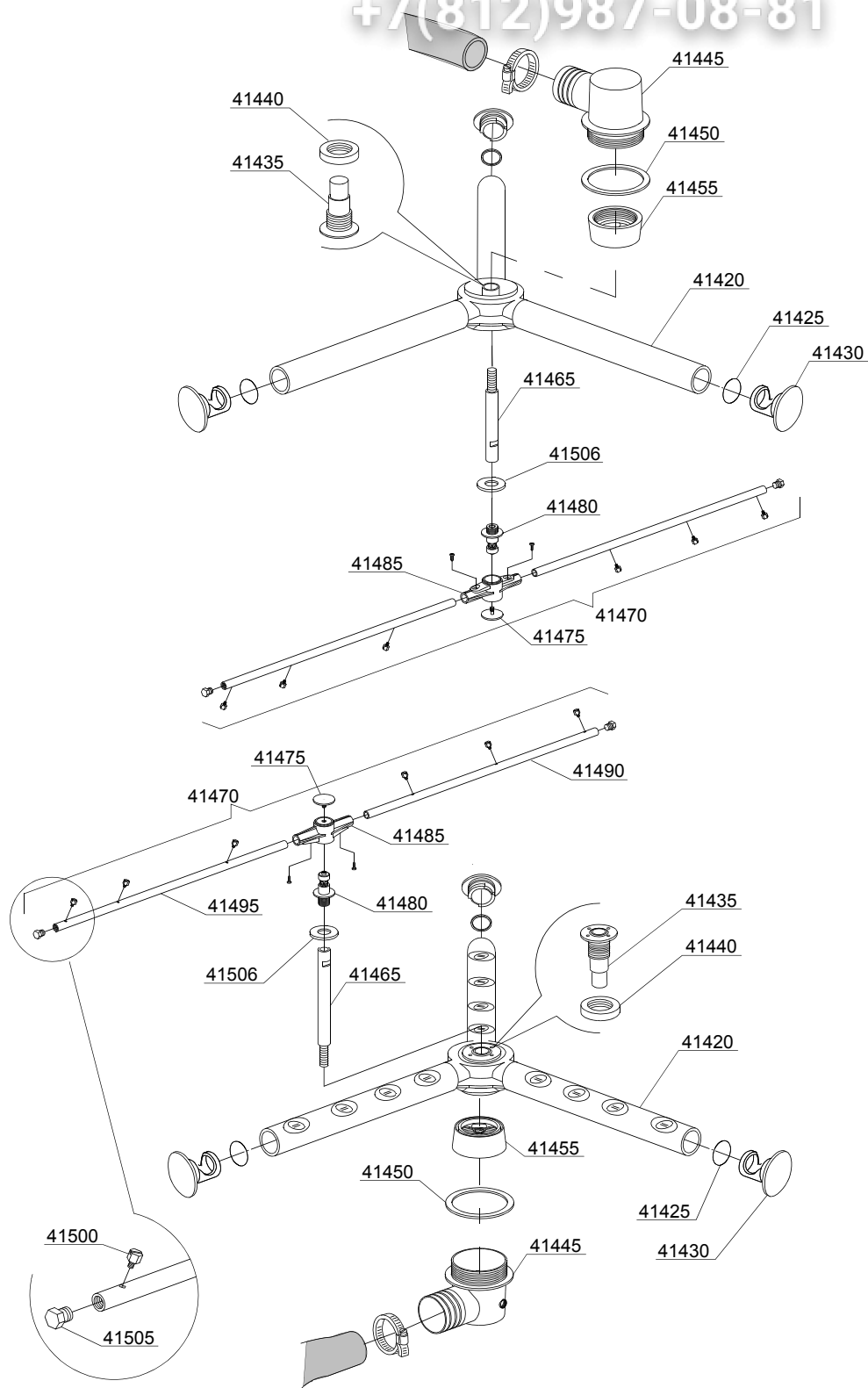
81E=81E

bp=BOOSTER PUMP, dd=DETERGENT DISPENCER, dp=DRAIN PUMP

A=3/N/PE~380-400V 50-60Hz, D=3/PE~200-210V 50-60Hz, F=2/PE~220-240V 50-60Hz, G=3/N/PE~415V 50-60Hz, H=3/PE~220-230V 50-60Hz, K=3/PE~380-400V 50-60Hz, L=3/PE~415V 50-60Hz, M=3/PE~440V 60Hz, P=1/N/PE~220-230V 50-60Hz, R=2/PE~220-240V 50-60Hz, U=1/N/PE~240V 50-60Hz, V=3/PE~240V 50-60Hz, W=1/N/PE~100-110V 50-60Hz

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17_135_e

ID	P-code	SN from	SN to	Mod.	Acces.	Volt	Description
Module: Turret group with rotating arms							
41420	91102		-	uw			Upper/lower wash rotor
41425	13023		-	uw			OR 131 (4093) NBR O-ring (minimum 10 pieces)
41430	3003029		-	uw			Plug
41435	75316		-	uw			Hub for rotor
41440	75317		-	uw			Nut for wash arm bearing
41445	90008		-	uw			Lower turret
41450	80208		-	uw			OR 2050 NBR O-ring (minimum 40 pieces)
41455	90009		-	uw			Turret fixing hub
41465	90010		-	uw			Top rinse axle
41470	91103		-	uw			Top/lower rinse arm complete
41475	10652		-	uw			Stainless steel group fixing screw
41480	10651		-	uw			Rinse axle
41485	10650		-	uw			Rinse arm
41490	91103/D		-	uw			Right rinse arm - stainless steel nozzle
41495	91103/S		-	uw			Left rinse arm - stainless steel nozzle
41500	560018		-	uw			Stainless steel rinse nozzle
41505	560017		-	uw			Rinse arm plug
41506	90031		-	uw			Sliding washer (mat. ARNITE)

e=ELECTRONICAL SWITCHES, dc=DOUBLE BODY VERSION, uw=LOWER AND UPPER VERSION

81E=81E

bp=BOOSTER PUMP, dd=DETERGENT DISPENSER, dp=DRAIN PUMP

A=3/N/PE~380-400V 50-60Hz, D=3/PE~200-210V 50-60Hz, F=2/PE~220-240V 50-60Hz, G=3/N/PE~415V 50-60Hz, H=3/PE~220-230V 50-60Hz, K=3/PE~380-400V 50-60Hz, L=3/PE~415V 50-60Hz, M=3/PE~440V 60Hz, P=1/N/PE~220-230V 50-60Hz, R=2/PE~220-240V 50-60Hz, U=1/N/PE~240V 50-60Hz, V=3/PE~240V 50-60Hz, W=1/N/PE~100-110V 50-60Hz