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# ASKO D5954 Owner's Manual

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## Spare Parts Catalogue

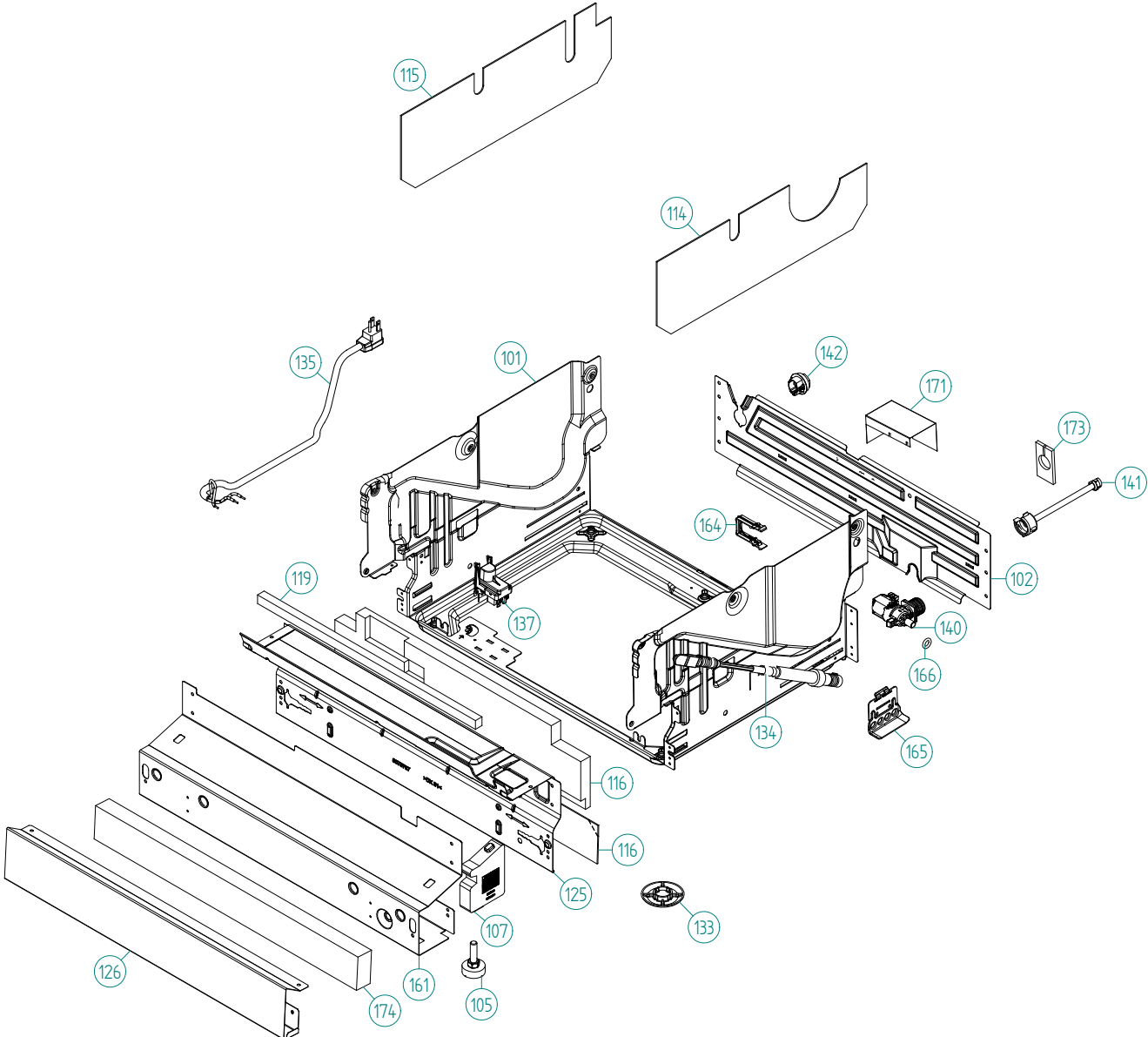
ASKO Dishwashers \ ASKO 5000 XXL Series  
Type: DW90.2  
Model: D5954 OUTDOOR US Stainless

Prod. No: 1075954131

April 24th 2012

**ASKO Appliances Inc.**

4001 E Plano Parkway #1004001 E Plano Parkway #100  
Plano, Texas 75074



## Base and related parts

### ASKO, D5954 OUTDOOR US - Stainless (DW90.2)

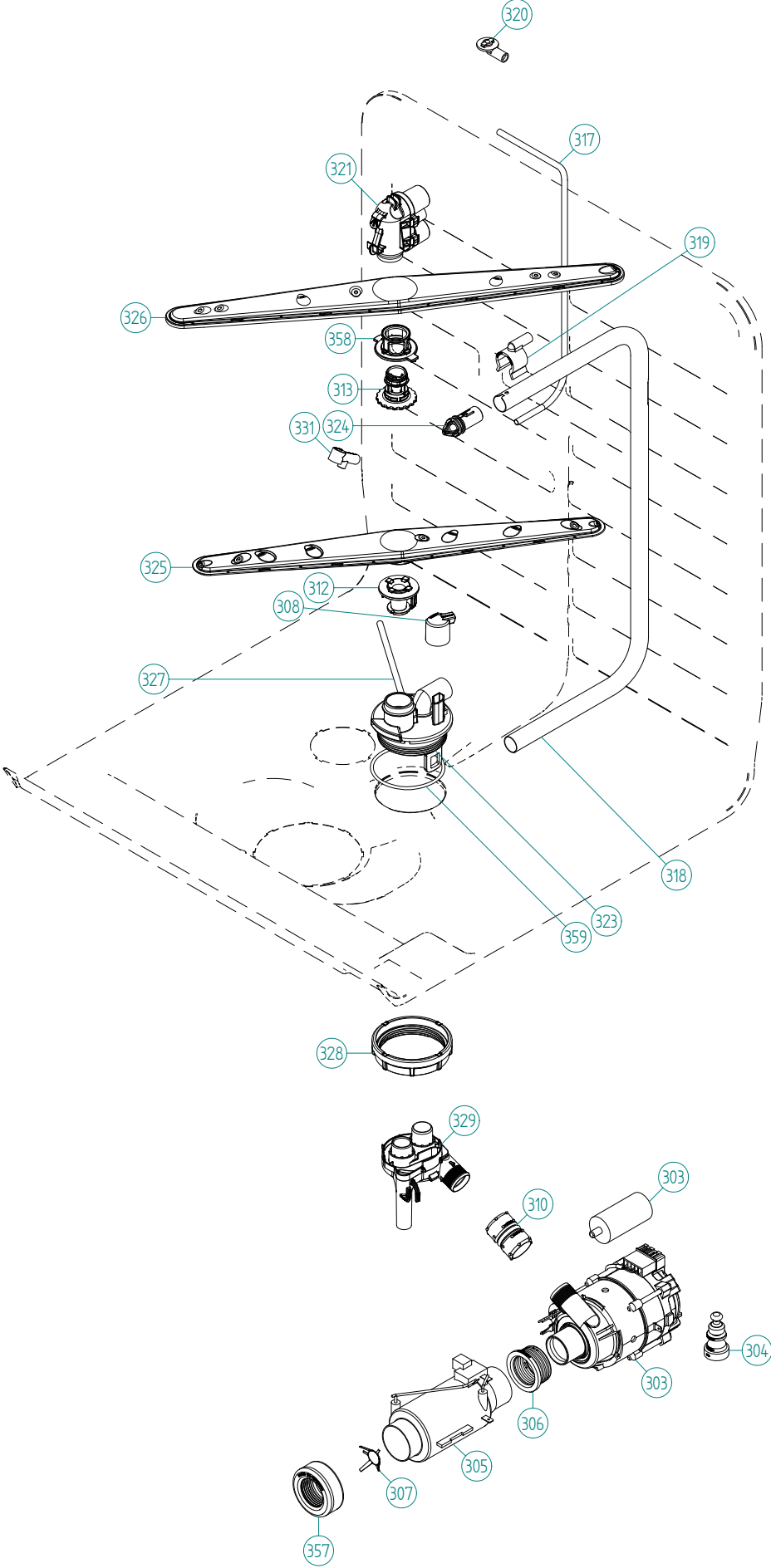
Pos	Spare part No.	Description	Qty	Comment
101	8801387	BOTTOM OUTER COMPL.	1 Pc's	
101	8091855	BOTTOM OUTER OUTDOOR	1 Pc's	
101-a	8901104	Screw 20 Torx Machine	2 Pc's	
101-b	8901110	Screw w/ORing DW 05/06 25T	4 Pc's	
102	8078006	REAR PANEL	1 Pc's	
102-a	8902357	Screw	4 Pc's	
105	8059334	Leveling Leg Comp WMD 20	2 Pc's	
107	8078043	FOOT BRACKET	2 Pc's	
114	8078109	SOUND ABSORP. SELF AD. RIGHT	1 Pc's	
115	8078108	SOUND ABSORP. SELF AD. LEFT	1 Pc's	
116	8082272	Sound Absorb Protective Plate	1 Pc's	
116	8078114	SOUND ABSORBENT GUARD PLATE	1 Pc's	
119	8078122	SOUND ABSORPTION PROFILE	1 Pc's	
125	8078007	GUARD PLATE FLANGED	1 Pc's	
125-a	8902357	Screw	4 Pc's	
126	8089839	PLINTH OD DW	1 Pc's	
133	8051957	Glide Foot	4 Pc's	
134	8091463	DOOR SPRING CPL OUTDOOR BLACK	1 Pc's	
134	8091489	DOOR SPRING CPL WHITE	1 Pc's	
135	8091555	CORD SET 15 A USA OUTDOOR	1 Pc's	
137	8083041	Terminal Block w/RFI DW70	1 Pc's	
137-a	8901097	Screw Terminal	1 Pc's	
140	8801376	KIT INL.VALVE/LOCKARM SING120V	1 Pc's	
141	8079522	PEX Inlet hose DW	1 Pc's	
142	8006948	Grommet	1 Pc's	
161	8078014-X-81	KICK PLATE PLINTH OUTDOOR	1 Pc's	
164	8079597	LOCK ARM INLET VALVE	1 Pc's	
165	8078013	DOOR SPRING HOLDER	2 Pc's	
165-a	8902362	SCREW RTK ST 4,2X9,5 FZB WAX.	2 Pc's	
166	8901779	O-RING 10X3,5	1 Pc's	
171	8090424	PROTECT. INLET VALVE DW OD UL4	1 Pc's	
173	8801503	SEALING KIT DW OUTDOOR	1 Pc's	
174	8090669	INSULATION PLINTH DW OD	1 Pc's	



## Baskets and related parts

### ASKO, D5954 OUTDOOR US - Stainless (DW90.2)

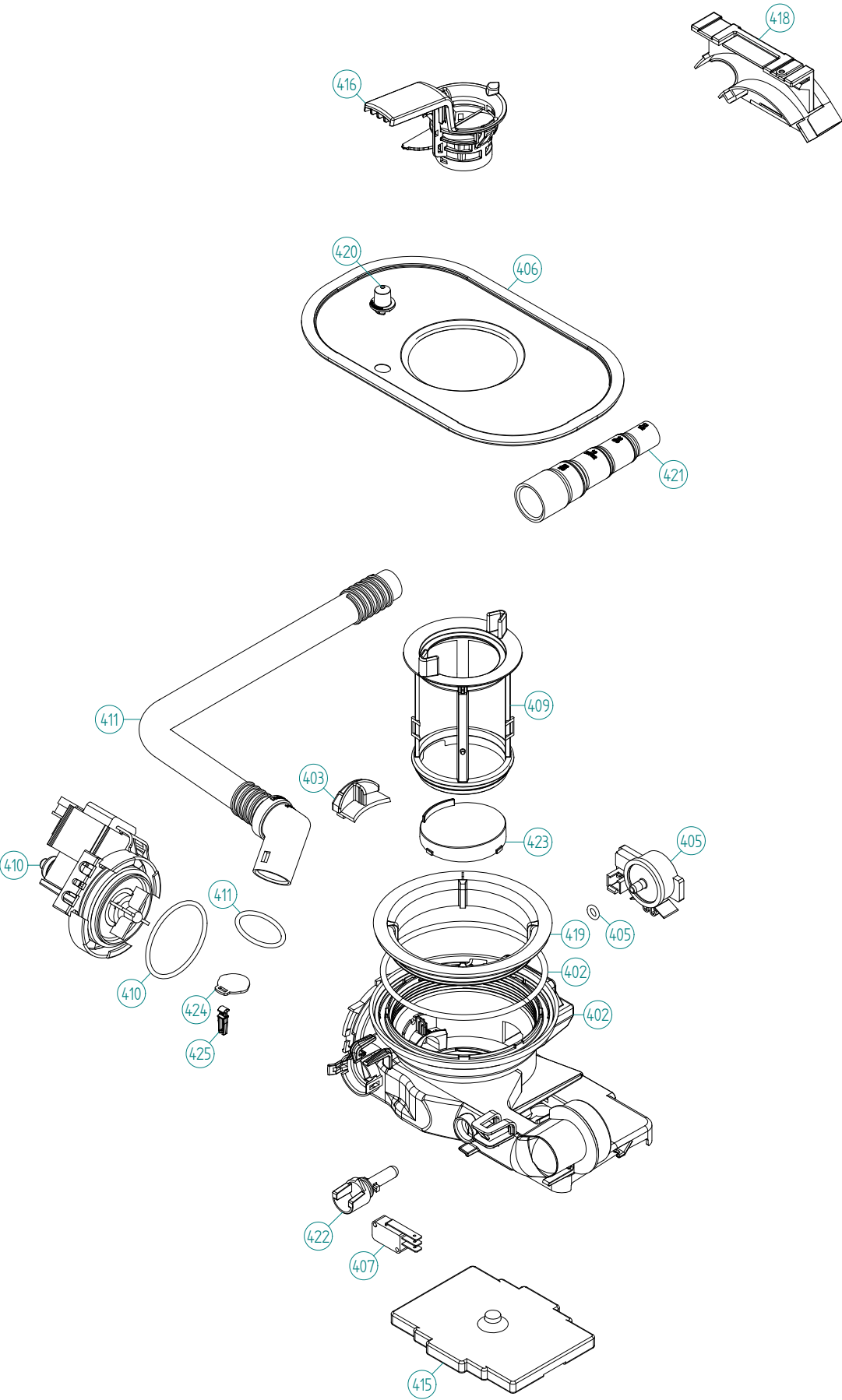
Pos	Spare part No.	Description	Qty	Comment
201	8057056	-	1 Pc's	Not a spare part
202	8801358-36	UPPER BASKET EXCL. COMPL. H&L	1 Pc's	
203	8801316-36	LOWER BASKET EXCL D.GREY 07	1 Pc's	New design
204	8053376-77	Long Rack Silverware Upper	1 Pc's	
205	8057058-36	Knife Basket D-Grey	1 Pc's	
206	8079257-77	WHEEL FOR LOW DISHW BASKET CPL	8 Pc's	
207	8057505-77	Knife Holder DW 05/06	1 Pc's	
208	8071214-77	Knife Holder 05/06 DW	2 Pc's	
210	8071337-36	Cup Shelf Wine Glass 05/06 DW	1 Pc's	
212	8801396-77	Cutlery Bskt for Stnd Tines	1 Pc's	
216	8072553-77	BRACKET PIN ROW UPPER BASKET	1 Pc's	
217	8072554-77	KNIFE GUARD	1 Pc's	
218	8801350	DW Upper Basket Guide Rail Kit	2 Pc's	
220	8057978-77	DW Rail Stop - Back Grey	2 Pc's	
221	8088703-77	BASKET STOP	2 Pc's	
222	8801349-77	KIT BALL HOLDER INCL. BALLS	1 Pc's	
223	8057502	Clip Upper Knife Rack DW	1 Pc's	
224	8058453	Clip Knife Basket 1800s DW	1 Pc's	
227	8057489-F	DOOR STRIP XXL DW70	1 Pc's	
231	8079251-77	DOOR CUTLERYBASKET UL4	1 Pc's	
234	8070649	Lock Hitch Int	1 Pc's	
234-a	8070654	LOCK WASHER INTEGR.	1 Pc's	
234-b	8901104	Screw 20 Torx Machine	1 Pc's	
244	8078300	AIRBREAK STD. DW70 UL4	1 Pc's	
245	8057536-77	LOCKRING AIREBREAKER GREY	1 Pc's	
246	8075350	Clip for Knife Guard	1 Pc's	
252	8072552-36	PLATERACK RIGHT U-BASKET	1 Pc's	
253	8072551-36	PLATERACK LEFT U-BASKET	1 Pc's	
259	8076619-36	wine glass cup shelf divider	2 Pc's	
264	8076632-77	Holder	3 Pc's	
266	8079130-36	PlateRack short/wide R-FT	1 Pc's	
269	8079131-36	PlateRack short/wide R-BK	1 Pc's	
272	8079123-36	PlateRack short/narrow L-FT	1 Pc's	
273	8079124-36	PlateRack short/narrow L-BK	1 Pc's	
276	8801330-77	HANDLE U-BASKET COMPL. ASKO	1 Pc's	
277	8801332-77	HANDLE LOWER BASKET COMPL.	1 Pc's	
278	8072764-36	GLASS SUPPORT D-GREY	1 Pc's	
284	8079138	Basket Adj Bracket Right	1 Pc's	
285	8079139	Basket Adj Bracket Left	1 Pc's	
287	8083397	LOCKING PLUG F ADJUST. DEVICE	2 Pc's	
291	8079144-36	GLASS SUPPORT D-GREY	1 Pc's	
292	8901778	O-RING 95X4	1 Pc's	



## Wash System

### ASKO, D5954 OUTDOOR US - Stainless (DW90.2)

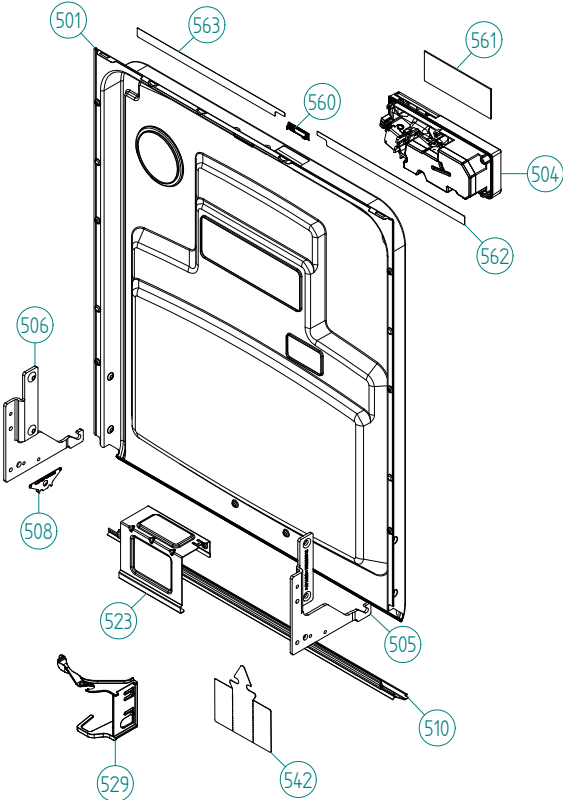
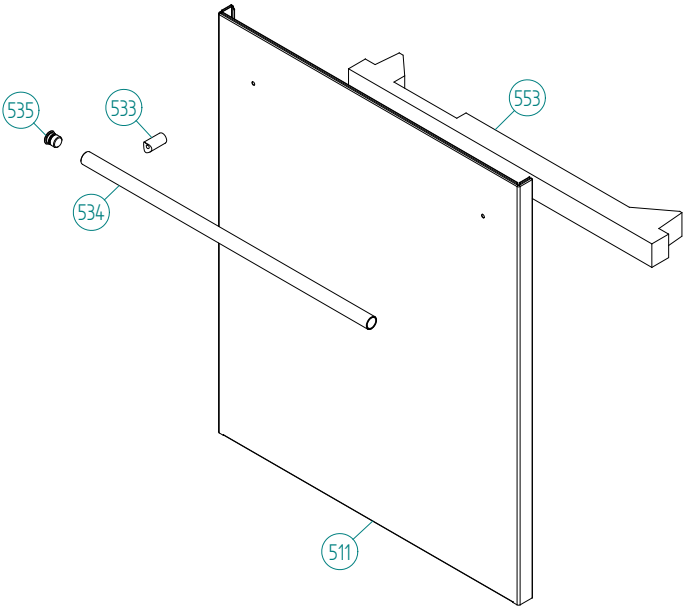
Pos	Spare part No.	Description	Qty	Comment
301	8078001	-	1 Pc's	Not a spare part
303	8078082	CIRC.PUMP 120V 60HZ	1 Pc's	
303-a	8083804	Capacitor 7 0UF 400V P2 CLASS	1 Pc's	
304	8079683	RUBBER DAMPER HI CIRC.PUMP UL4	1 Pc's	
305	8801463	HEATER W.INSERT 1200W120V DW70	1 Pc's	
306	8079531	SEALING HEATER DW70 UL4	1 Pc's	Only 1 pc from 2009-06-11
307	8079575	INSERT FOR HEATER	1 Pc's	
308	8073385-77	Cup Drainage Gray	1 Pc's	
310	8801409	KIT HOSE INCL.CLAMPS CIRK.PUMP	1 Pc's	
312	8801270	Spray Arm Bearing Kit	1 Pc's	
313	8079108-77	SPRAYARM BEARING H&L U.BASKET	1 Pc's	
317	8079145	SPRAY PIPE KNIFE SPRAYER H&L	1 Pc's	
318	8079112-ED	SPRAYTUBE ADJ.U-BASK XXL 8,5 H	1 Pc's	
319	8057504-77	SPRAY PIPE GROMMET LOWER GREY	1 Pc's	
320	8057503-77	Spray Pipe Grommet Upper Gray	1 Pc's	
321	8801359	SPRAYTOWER COMPL H&L BASKET	1 Pc's	
323	8801270	KIT SPRAYARM BEAR. LOW NOZZLE	1 Pc's	
324	8079113-77	GUIDE SPRAYTUBE ADJ BASKET	1 Pc's	
325	8072891	Spray Arm Lower Complete	1 Pc's	
326	8079111	SPRAYARM CPL H&L BASKET	1 Pc's	
327	8073381	Tube Pot Rinse	1 Pc's	
327-a	8902085	Screw 20T for Plastic	2 Pc's	
328	8071607	Locking Spray Pipe Bearing	1 Pc's	
329	8078086	INTERMEDIATE	1 Pc's	
331	8072543-77	Spray Nozzle	1 Pc's	For part no 8073381 and 8076902-L-77
357	8083603	SEALING HEATER BOTTOM SUMP	1 Pc's	
358	8079261-77	INSERT SPRAYARM BEAR.H&L BASK.	1 Pc's	
359	8901765	ORing det Comp 03/04 DW	1 Pc's	



## **Bottom well and related parts**

### **ASKO, D5954 OUTDOOR US - Stainless (DW90.2)**

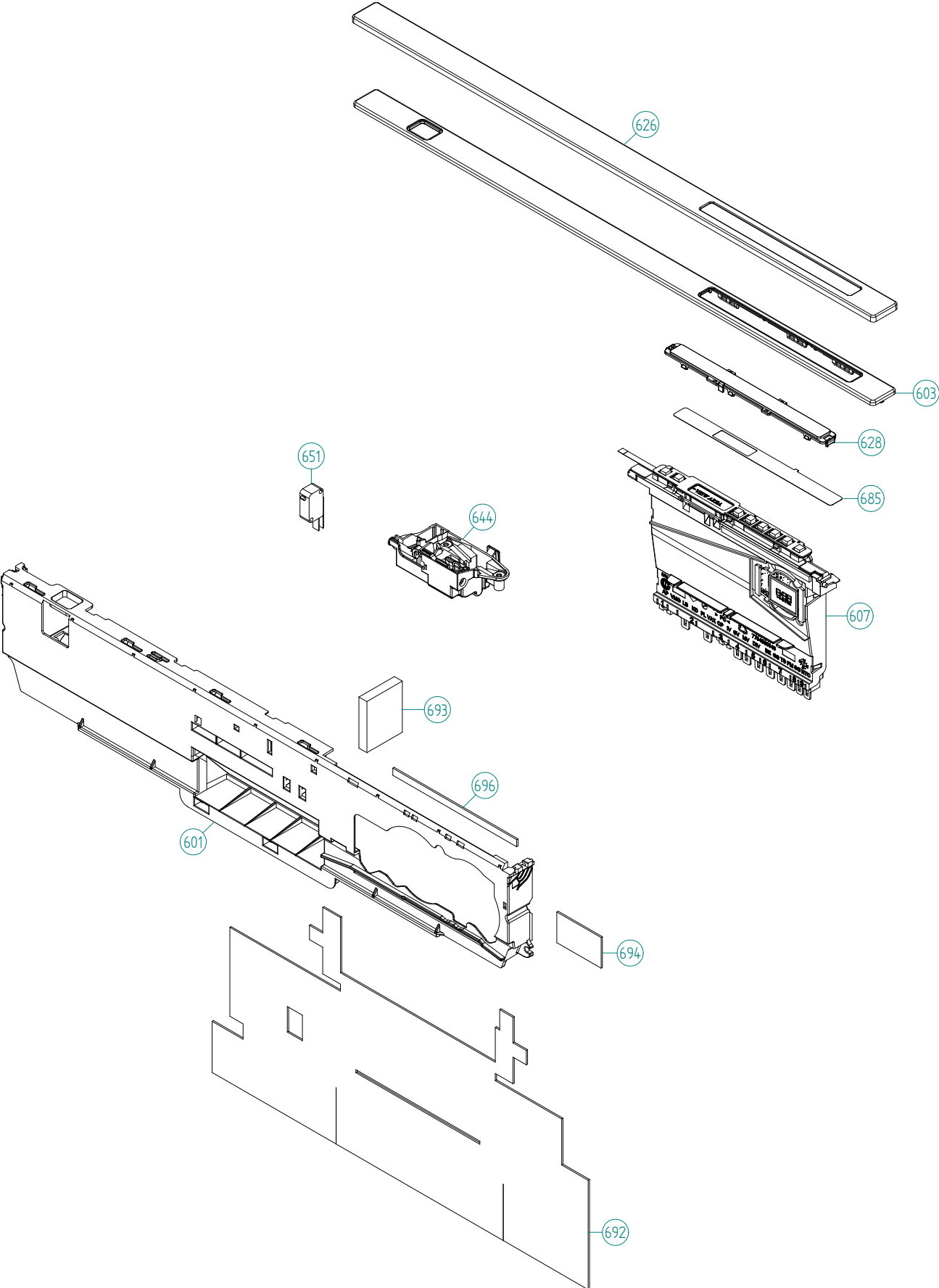
<b>Pos</b>	<b>Spare part No.</b>	<b>Description</b>	<b>Qty</b>	<b>Comment</b>
402	8084691	BOTTOM WELL PRESSURE SENS. UL4	1 Pc's	
402-a	8081039	O-RING 110x4	1 Pc's	
403	8078033	Rinse Cap Bottom Well - Yellow	1 Pc's	
405	8073839	Pressure Sensor	1 Pc's	
405-a	8074040	O-Ring-Press Sensor	1 Pc's	
406	8074364	Strainer DW20	1 Pc's	
407	8073835	Microswitch Float	1 Pc's	
409	8078038-77	Pipe Filter DW70	1 Pc's	
410	8078089	Drain Pump 120V 60Hz	1 Pc's	
410-a	8002584	ORing Drain Pump 05/06 DW	1 Pc's	
411	8091596	OUTLETH. W HARDEND CUFF US UL4	1 Pc's	
411-a	8901768	O-RING 32,3X3 (BD)	1 Pc's	
415	8078025	Float	1 Pc's	
416	8078039-77	Strainer Basket Grey	1 Pc's	
418	8072528-77	Holder Outlet Hose	1 Pc's	
418-a	33700450	Cable Strip	1 Pc's	
418-b	8902072	SCREW PT KB40X10 WN1442 GALV	1 Pc's	
419	8072848	Lockring Bottom Well	1 Pc's	
420	8074760-77	Ventilator	1 Pc's	
421	8075321	End Cuff	1 Pc's	
422	8078096	Thermistor	1 Pc's	
423	8080827	BOTTOM LID TUBE FILTER	1 Pc's	
424	8079691	SEALING FLAT NON RETURN VALVE	1 Pc's	
425	8083211	HOOK NON RETURN VALVE	1 Pc's	



## ***Inner door, panel and related parts***

### ***ASKO, D5954 OUTDOOR US - Stainless (DW90.2)***

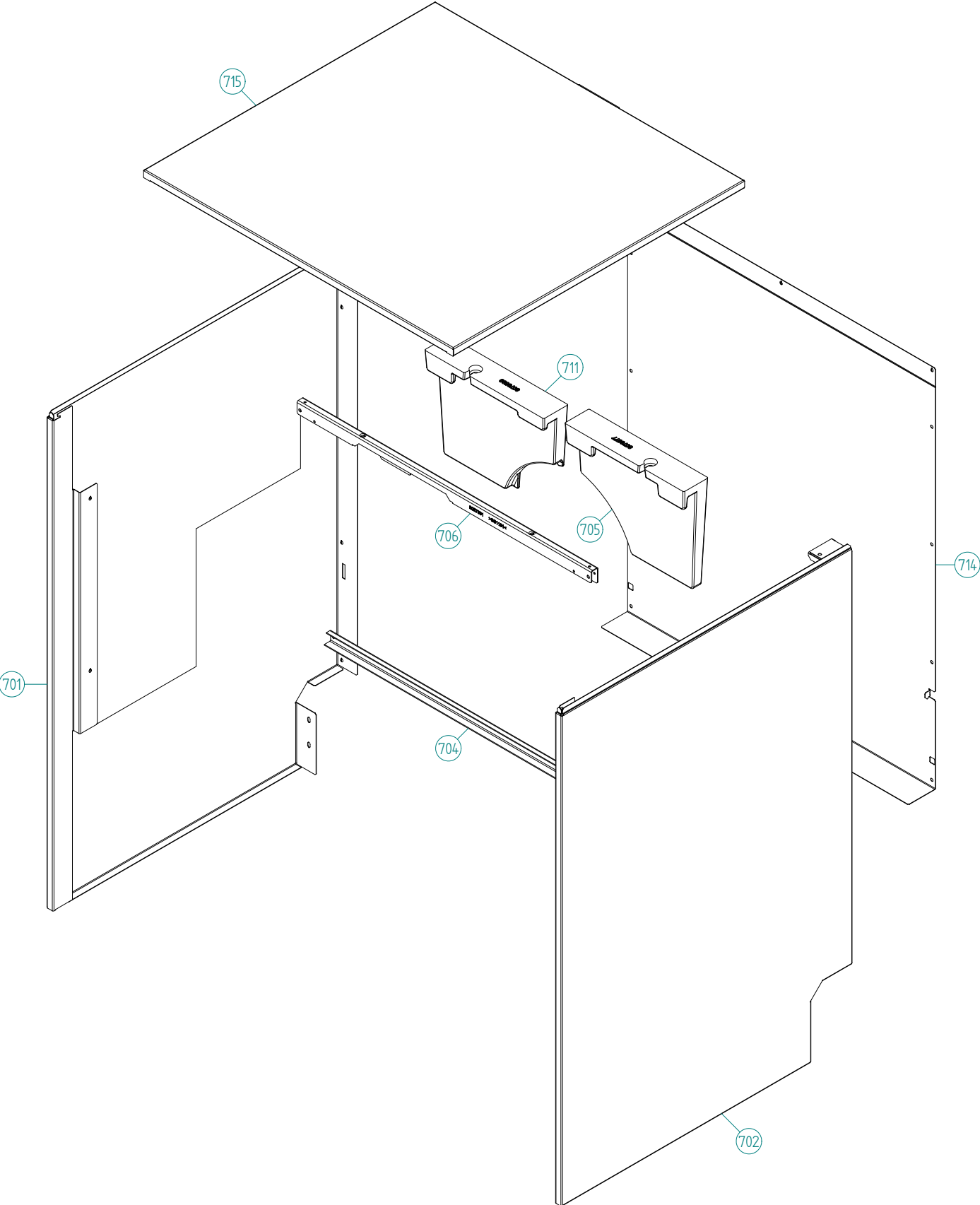
<b>Pos</b>	<b>Spare part No.</b>	<b>Description</b>	<b>Qty</b>	<b>Comment</b>
501	8801382	Inner Door DW70	1 Pc's	
501-b	8902121	SCREW A2-MKFT 5X10	4 Pc's	
504	8083095	COMBIDISP AWECO REED 120V DW90	1 Pc's	
505	8089953	HINGE RIGHT PAINTED	1 Pc's	
506	8089952	HINGE LEFT PAINTED	1 Pc's	
507	8057530	Screw hinge 05	2 Pc's	
507-a	33500262	Nut Term Block	2 Pc's	
508	8088699	WASHER HINGE BEARING	2 Pc's	
510	8801294	DOOR SEAL LOWER W.CORNER GUARD	1 Pc's	
511	8078019-K-91	Outer Door for Narrow Hndl	1 Pc's	
511-a	8900646	Screw 20 Torx SS	6 Pc's	
523	8057983	Brace	1 Pc's	
523-a	8900646	Screw 20 Torx SS	2 Pc's	
523-b	8902357	Screw	2 Pc's	
529	8074278	Bracket for harness	1 Pc's	
533	8075988	Crossbar handle 3000XL	2 Pc's	
534	8072435	Handle for 05/06 DW	1 Pc's	
534-a	8072439	Bolt Tension Strap W600s	2 Pc's	
535	8075836	End Plugs for Handle	1 Pc's	
535-a	8901774	ORing	1 Pc's	
542	8079686	COVER, CABLES DW70	1 Pc's	
553	8091568	INSECT SEALING OUTDOOR UL4	1 Pc's	
560	8091601	DOOR OUTDOOR CPL	1 Pc's	
561	8091259	SEALING COMBI DISPENSER UL4	1 Pc's	
562	8091840	SEALING LENS CONTR. UNIT L UL4	1 Pc's	
563	8091418	SEALING LENS CONTR. UNIT R UL4	1 Pc's	



## Control panel and related parts

### ASKO, D5954 OUTDOOR US - Stainless (DW90.2)

Pos	Spare part No.	Description	Qty	Comment
601	8084001-UL	PANEL DW90 INTEGRATED LOCK UL4	1 Pc's	
602	8092238	PROG.INFO.LABEL D5954 ENG	1 Pc's	
602	8092239	PROG.INFO.LABEL D5954 FR	1 Pc's	
603	8084030	LENS DW90.1/.2 FOR DECOR PLATE	1 Pc's	
607	8801484	CONTR. UNIT COMPL.DW90.2 SS	1 Pc's	
610	8079517	CABLE SET THERMISTOR UL4	1 Pc's	
614	8078068	CABLE SET CI.PUMP IN.VALVE UL4	1 Pc's	
616	8078067	CABLE SET FLOW & PRESSURE UL4	1 Pc's	
618	8079511	CABLESET POWER TOUCH UL4	1 Pc's	
619	8084063	CABLESET DOOR WITH REED UL4	1 Pc's	
622	8078063	CABLE SET DRAIN UL4	1 Pc's	
626	8091429-90	DECOR PLATE 90.2 OUTDOOR ASKO	1 Pc's	
628	8091532	LENS CPL DW OUTDOOR UL4	1 Pc's	
628	8084019	TOUCH LENS DW90.2 UL4	1 Pc's	
644	8073670	Lock Complete Integrated	1 Pc's	
644-a	8902085	Screw 20T for Plastic	2 Pc's	
651	8073836	MICROSWITCH DOOR	0 Pc's	
685	8091977-69	DECOR INSERT DW90.2 5BU GR.UL4	1 Pc's	
690	8091718	INSTRUCTIONS D5954 OUTDOOR ENG	1 Pc's	
690	8091719	INSTRUCTIONS D5954 OUTDOOR FR	1 Pc's	
692	8090422	SEALING UL4	1 Pc's	
693	8090423	SEALING PANEL UL4	1 Pc's	
694	8092132	SEALING PANEL CORNER UL4	1 Pc's	
696	8091258	SEALING PANEL CONTROL UNIT UL4	2 Pc's	



## **Side panels and related parts**

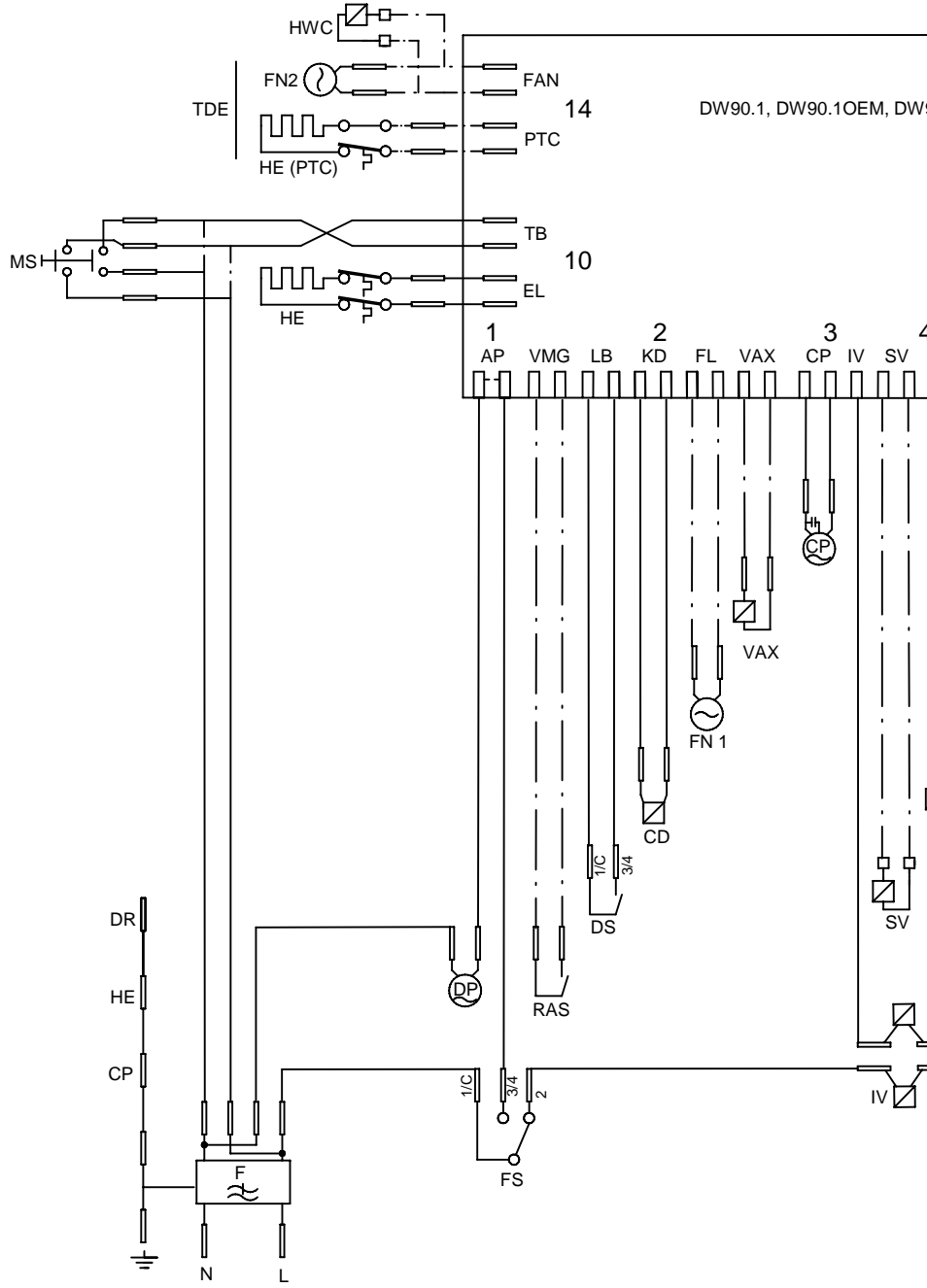
**ASKO, D5954 OUTDOOR US - Stainless (DW90.2)**

<b>Pos</b>	<b>Spare part No.</b>	<b>Description</b>	<b>Qty</b>	<b>Comment</b>
701	8091808	SIDE PLATE LEFT OUTDOOR CPL	1 Pc's	
702	8091809	SIDE PLATE RIGHT OUTDOOR CPL	1 Pc's	
704	8091417	SUPPORT GIRDER SIDE PLATE DW	1 Pc's	
705	8079677	COUNTERWEIGHT LEFT 6,5KG	1 Pc's	
706	8057991	SUPPORT STRIP SIDE PANEL	1 Pc's	
706-a	8900357	SCREW RTS ST 4.,2X25 FZB T20	2 Pc's	
711	8079599	COUNTERWEIGHT RIGHT 6,5KG	1 Pc's	
714	8088990	REAR PLATE OD DW	1 Pc's	
715	8091810	TOP PLATE OUTDOOR CPL	1 Pc's	

- KD/CD: COMBI DISPENSER
  - CP: CIRCULATION PUMP
  - DIV: WATER DIVERTER VALVE
  - AP/DP: DRAIN PUMP
  - DR: DOOR
  - LB/DS: DOOR SWITCH
  - F: FILTER
  - FM: FLOW METER
  - FL/FN 1: FAN DOOR
  - FAN/FN 2: FAN BOTTOM
  - FS: FLOAT SWITCH
  - EL/HE: HEATING ELEMENT
  - HE (PTC): HEATING ELEMENT PTC
  - BE/HL: HALOGEN LAMP
  - HS: HUMIDITY SENSOR
  - IS: ILLUM. SWITCH
  - IV: INLET VALVE
  - I2C: I2C
  - TB/MS: MAIN SWITCH
  - MV: MIX VALVE
  - TS/PS: PRESSURE SENSOR
  - VMG/RAS: RINSE AID SENSOR
  - SL: STATUS LIGHT
  - SG/SS: SALT SENSOR
  - SV: SALT VALVE
  - NTC/TH: THERMISTOR
  - GS/TS: TURBIDITY SENSOR
  - UART: UART
  - VAX: VAX ACTUATOR
  - HWC: HOT WATER CIRCUIT
- WIRES IN ALL MACHINES  
 - - - INTERNAL CONNECTION  
 - · - WIRES IN SOME MACHINES

**RESISTANCES AT ROOM TEMPERATURE (CA. 20°C/68°F)  
VALUES WITH +/-10% ARE REGARDED AS NORMAL**

COMPONENT	RESISTANCE
RADIO INTERFERENCE SUPPRESSION FILTER	1 MOHM
HEATING ELEMENT 1200W 120V	12 OHM
HEATING ELEMENT 1600W 230V	32 OHM
HEATING ELEMENT 2040W 230V	25 OHM
THERMISTOR	60 KOHM
COMBINED DISPENSER 120V	0,28 KOHM
COMBINED DISPENSER 230V	1,32 KOHM
CIRCULATION PUMP 120V 60HZ	32 OHM
CIRCULATION PUMP 230V 50HZ	110 OHM
CIRCULATION PUMP 220V 60HZ	56 OHM
DRAIN PUMP 120V 60HZ	25 OHM
DRAIN PUMP 230V 50HZ	150 OHM
DRAIN PUMP 230V 60HZ	85 OHM
SPRAY ARM DIVIDER 120V 60HZ	2,6 KOHM
SPRAY ARM DIVIDER 230V 50/60HZ	8,5 KOHM
INLET VALVE SINGLE INCL. 120V	0,95 KOHM
INLET VALVE SAFETY INCL. 120V	0,5 KOHM
INLET VALVE SINGLE INCL. 230V	3,9 KOHM
INLET VALVE SAFETY INCL. 230V	2 KOHM
SALT VALVE 120V	0,65 KOHM
MIX VALVE 120V	0,65 KOHM
SALT VALVE 230V	3 KOHM
MIX VALVE 230V	2,3 KOHM
HALOGEN LAMP 5W 12V	<10 KOHM
WAX MOTOR	1,1 KOHM
FAN MOTOR 120V	0,18 KOHM
FAN MOTOR 230V	0,85 KOHM
FAN MOTOR 2 120V	0,22 KOHM
FAN MOTOR 2 230V	0,90 KOHM



CIRCUIT DIAGRAM DW90.1, DW90.1OEM

DW90.1, DW90.1 OEM, DW90.2		
After power on, wait until LCD is turned on. Then, within 5sec, press first T1 and directly after T2. Hold both buttons pressed during 5sec to enter service menu.		
Failure	F:XX	Last failure read out. F10 Overfilling, F11 Drain, F12 Water inlet, F40 Valve leakage, F41 Temp. stop, F42 Thermistor, F43 Pressure sensor, F44 Turbidity sensor, F45 Diverter
START (T2)		
Diagnostic	d:01	Mix valve and inlet valve on (1 sec delay between mixventil and inlet valve)
	d:02	Inlet valve on
	d:03	Salt Valve on
	d:04	Combi dispenser on
PROG (T1)	d:05	Circulation and spolarmsväxlaren (if available) shall alternate between positions 1 and 3 every 30 seconds
	d:06	Circulation and heaters - max 75 ° C
	d:07	Fan and wax actuator
	d:08	Drain Pump on
	d:00	No components on
START (T2)		
Water inlet	P:0	Normal water intake, default
	P:5	Water intake increased +5%
	P:10	Water intake increased +10%
	P:15	Water intake increased +15%
PROG (T1)	L:0	Time, flow meter disconnected, inlet time: no of pulses x 0.068 [s]
	L:5	Timed water intake increased +5%
	L:10	Timed water intake increased +10%
	L:15	Timed water intake increased +15%
START (T2)		
Variant, DW90.1	U:1 DW90.1	Variant 1 and 2, the default setting (temperature, drying)
	U:2 DW90.1 OEM	
	U:3 DW90.1	Variant 3 and 4 (Temperature, Drying, Delayed Start)
	U:4 DW90.1 OEM	
PROG (T1)	U:5 DW90.1	Variant 5 and 6 (Set of time program, Temperature, Drying, Time saving, Delayed Start)
	U:6 DW90.1 OEM	
	U:7 DW90.1 and DW90.1OEM	Variant 7 (Set of time program, Temperature, Drying, Time-saving, Upper Lower basket wash, Delayed Start)
Variant, DW90.2	U:1	Variant 1, the default setting (temperature, drying)
	U:2	Variant 2 (Temperature, Drying, Delayed Start)
PROG (T1)	U:3	Variant 3 (Temperature, Drying, Delayed Start, Set of time program)
	U:4	Variant 4 (Temperature, Drying, Delayed Start, Set of time program, Time saving)
START (T2)		
Region	EU	Region Europe, the default setting
PROG (T1)	US	Region USA
	AU	Region Australia
START (T2)		
Fan Sequence	Y:0	No fan sequence during wash cycle
PROG (T1)	Y:1	Fan sequence during the wash cycle but not in Normal program, the default setting
	Y:2	Fan in sequence during the all wash cycles
START (T1)		
TDE & HWC, only DW90.2	A:0	Turbo Drying Express and Heat Water Circuit off, default setting
PROG (T1)	A:1	Turbo Drying Express on
	A:2	Heat Water Circuit on
START (T2)		
ECO, only DW90.1	E:0	ECO off, the default setting
PROG (T1)	E:1	ECO on, when the machine is connected to hot water consumed less electrical energy to heat water and program time is shortened.
START (T2)		
Super rinse	S:0	Super Rinse, default
PROG (T1)	S:1	Super Rinse on. Adding two extra rinses.
START (T2)		
Total restart	r:0	No restart on the next press T2, default
PROG (T1)	r:1	Total restart at the next press T2
START (T2)		

DW90.3		
To enter service menu, press T1 and T2 at power on.		
START (T2)		
Failure	CU Date code xxxx	Control unit manufacturing date:year week
	Software xxx	Software version
PROG (T1)	3 FAIL. xxxx	Last failure
	2 FAIL. xxxx	2nd last failure
	1 FAIL. xxxx	3rd last failure
START (T2)		
Diagnostic	Testing	No component on
	Testing Valve A: XXX	Mix valve on and inlet valve on (1 sec delay between mix valve and inlet valve), flow in pulses(XXX) by flow meter
	Testing Valve B: XXX	Inlet valve on (1 sec delay), flow in pulses(XXX) by flow meter
PROG (T1)	Testing Salt	Salt valve on
	Testing Dispenser	Kombi dispenser on
	Testing Cirk: XXV	Circulation pump on and the water diverter valve(if present) shall change between position 1 and 3 every 30 second, turbidity(XX) in Volt
	Testing Heater: XX°C	Circulation pump and heater on until max 75°C, temp displayed in °C or °F according to machine setup
	Testing Fan: XXXX	Fan and wax actuator on, humidity value(XXXX Hz)
	Testing TDE	TDE fan on and TDE heater on
	Testainga Drain: XXV	drain pump on, pressure sensor value(XX) in Volt
START (T2)		
Water inlet	Water volume 0	Normal water intake, default
	Water volume +5%	Water intake increased +5%
	Water volume +10%	Water intake increased +10%
	Water volume +15%	Water intake increased +15%
PROG (T1)	Water volume Time 0	Time, flow meter disconnected, inlet time: no of pulses x 0.068 [s]
	Water volume Time +5%	Timed water intake increased +5%
	Water volume Time +10%	Timed water intake increased +10%
	Water volume Time +15%	Timed water intake increased +15%
START (T2)		
LCD-cont	Contrast 0	LCD-contrast 0
	Contrast +1	LCD contrast +1
PROG (T1)	Contrast +2	LCD contrast +2
	Contrast -1	LCD contrast -1
START (T2)		
TDE	Turbo Drying On	Turbo Drying Express On
PROG (T1)	Turbo Drying Off	Turbo Drying Express off
START (T2)		
Fan seq.	Fan Off	No fan sequence during wash cycle
PROG (T1)	Fan 1 On	Fan sequence during the wash cycle but not in Normal program, the default setting
	Fan 2 On	Fan in sequence during the all wash cycles
START (T2)		
DUO	DUO Off	DUO Off
PROG (T1)	DUO On	DUO On, to activate program like Sani, Pots & pans
START (T2)		
Region	Region EU	Region Europa, default setting
	Region US	Region USA
PROG (T1)	Region AU	Region Australien
START (T2)		

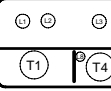
## Displays

### DW90.1



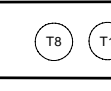
Panel type DW90.1

### DW90.1 OEM



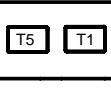
Panel type DW90.1

### DW90.2



Panel type DW90.2

### DW90.3



Panel type DW90.3

CIRCUIT DIAGRAM DW90.1, DW90.1OEM

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