



Service-Information

Geschirrspüler

ADP 7572 WH

8542 572 29710

Letzte Änderung: 07.06.2008

Anlagedatum: 07.06.2008

Ersatzteilliste	2
Technische Daten	5
Explosionszeichnung	12
Schließschema	14
Text /Legende	15

Die vorliegenden Serviceunterlagen sind ausschließlich für technisch qualifizierte Fachkräfte bestimmt, welche mit den entsprechenden einschlägigen Sicherheitsvorschriften vertraut sind.

Änderungen vorbehalten

Ersatzteilliste

Pos-Nr.	12NC	Beschreibung
003 0	4812 440 19594	Traverse Quer
004 0	4812 440 18952	Bodenwanne
004 1	4812 401 18402	Halter Bodenwanne
011 0	4812 505 18357	Fuss kurz
022 0	4812 440 10755	Seitenwand links WS-GW
022 1	4812 440 10754	Seitenwand rechts WS-GW
024 0	4812 440 10417	Rueckwand Blende
030 0	4812 440 10763	Arbeitsplatte gekl. WS-GW (VBL)
034 0	4812 404 78237	Distanzstueck f.Arbeitspl.
034 1	4812 404 78242	Befestigung f.Arbeitspl.ws
040 1	4812 417 18774	Scharnier links
040 2	4812 417 18773	Scharnier rechts
040 3	4812 417 19175	Schutz f.Tuer, Set WS-GW (VBL)
044 0	4812 492 38358	Feder f.Tuer
047 0	4812 404 48746	Bremse Tuer
047 1	4812 401 18397	Bremsband an Tuerscharnier
047 2	4812 404 68023	Haken
053 0	4812 440 89031	Sockelblende o.Loch WS-GW
053 4	4812 440 89033	Sockelblende rund WS-GW (VBL)
065 0	4812 466 48052	Isolation
103 0	4812 440 10762	Tuer aussen lack. WS-GW (VBL)
103 2	4812 440 10767	Eckstueck Set WS-GW
120 0	4812 440 19456	Innentuer ged. KDTL
120 1	4812 440 18969	Leiste
130 0	4812 417 58361	Kippschloss kpl. ws
131 0	4812 401 18416	Haken Verschluss
191 0	4812 466 68564	Dichtung Tuer, Rahmen
191 3	4812 466 68533	Dichtung Sockel
192 0	4812 466 68467	Tuerdichtung unten
241 0	4812 458 19027	Korb ob.ger./verst.ws(POI)
241 1	4812 458 18324	Halter Tassen rechts w
241 3	4812 528 88068	Korbrolle Set O-Korb verstb.
241 6	4812 310 18757	Halter Glaeser Kit ws
241 8	4812 466 68553	Distanzstueck Set O-Ko
242 0	4812 310 28136	Korb unten Kit POI-WH
242 1	4812 528 88069	Korbrolle U-Korb ws, einzeln
242 4	4812 466 48091	Anschlag Sperre mech. grau
242 6	4812 458 18977	Tellereinsatz Stachel opaco li.VBL
242 7	4812 458 18978	Tellereinsatz Stachel opaco re.VBL
243 5	4819 310 39859	Besteckkorb Kit
243 6	4812 458 18996	Gitter f.Besteck ws
261 0	4812 462 79831	Schiene Teleskop, innen
261 1	4812 462 79768	Kappe Teleskopsch. hinten10809
261 2	4812 462 79832	Kappe Teleskopsch. vorne
263 0	4819 520 18013	Kugelkaefig KDTL
263 1	4812 520 48001	Kugel Plastik
265 0	4812 404 48637	Korbverstellung kpl. blau
265 2	4812 404 48638	Griff Korbverstellg. blau
303 1	4812 460 38134	Griffplatte
322 0	4812 453 72183	Einlage bed.

Pos-Nr.	12NC	Beschreibung
331 0	4812 413 59143	Knopf Progr.kpl. WS-GW (VBL)
332 0	4812 410 29032	Taste WS-GW Start (VBL)
332 1	4812 410 29053	Taste WS-GW (WP-VBL-ZW+DELAY)
400 0	4812 361 58334	Motor +UP,50Hz,per.HP-PNT
405 1	4819 515 28158	Dichtung
420 0	4812 121 18132	Kondensator Betrieb 4mF
421 0	4812 121 18158	Entstoerfilter
430 0	4812 360 18508	Laugenpumpe kpl.220-240V/50Hz
430 1	4812 466 68689	Dichtung LP
450 0	4812 259 28684	Heizelement 2100W dmr40
480 0	4812 321 28405	Kabelbaum Set (WH-POI-
480 3	4812 401 18418	Schutz f.Verdrahtung
490 0	4819 321 18136	Netzkabel 2m SA
490 1	4812 321 28367	Zugentlastung
521 0	4812 214 79057	Steuerung (CB) progr.
531 0	4812 273 18055	Schalter Wasserhaerte
531 1	4812 273 18056	Einstellrad Wasserhaerte
571 0	4812 281 28379	Ventil Zulauf
575 0	4812 281 28361	Regeneriervent. KDTL
583 0	4812 271 28459	Schalter Membran (OWI1)
616 0	4812 281 18047	Reedkontakt ELSA KDTL
616 1	4812 271 58161	Reedkontakt KSMA
620 0	4812 276 58138	Anzeige Elektr. (DUB)
633 0	4812 271 38355	Mikroschalter Tuer KDTL
680 0	4812 418 68155	Kombidosierung m.KSM (WP)
680 1	4812 466 68495	Dichtung Kombidosierung
681 1	4812 466 68497	Dichtung Deckel KSM SK 5244.04.04
681 2	4812 440 18975	Klappe Kombidosierung
682 0	4812 466 68496	Dichtung Deckel RMG
691 1	4812 462 79769	Stopfen NTC
701 0	4819 530 28928	Zulaufschlauch 2.0m, heiss Wasser, 60 Ba
701 0	4812 530 28081	Zulaufschlauch kpl. 5m
701 0	4812 530 28082	Zulaufschlauch kpl. 3,5m
701 1	4812 310 18302	Schlauchsich.
701 2	4822 480 50159	Sieb Zulauf
710 0	4812 418 68128	Monoblock
710 2	4819 310 38536	Gewinding grau
710 3	4819 466 69562	Dichtung KDTL
714 0	4812 462 78993	Verschlusskappe o.Anzeige
716 0	4812 418 68147	Regenerierdos. m.FM
716 1	4812 466 68475	Dichtung Regenerierdos.
716 2	4812 462 78994	Abdeckung Regenerierdos. gr.10809
717 1	4812 462 79793	Stopfen f.Diverter
721 1	4812 360 68347	Sprueharm unten kpl. 2-armig
722 0	4812 360 68348	Sprueharm oben kpl. ws
722 2	4812 360 68349	Sprueharm 2.Spruehebene kpl. ws
723 0	4812 360 68351	Deckendusche
726 1	4812 530 29118	Rohr Zufuhr kpl.grau
726 2	4812 505 18208	Mutter oben
743 0	4812 511 48171	Verfluessiger

Pos-Nr.	12NC	Beschreibung
743 1	4812 530 28102	Zulaufschlauch 9x1,5x250
743 3	4812 505 18364	Mutter Kondens./Luftfuehrg.
743 4	4812 530 28807	Schlauch Zufuhr 9x1,5x270+10
743 7	4812 466 68514	Dichtung
751 0	4812 418 18338	Ablaufschacht ,NTC WI
755 0	4812 530 29119	Krueemmer
755 2	4812 530 48148	Auffangschale
761 0	4812 480 58122	Sieb fein
761 2	4812 418 18337	Abdeckung Sieb gr.10809
761 3	4812 418 18341	Abdeckung
761 4	4812 530 58141	O-Ring
763 0	4812 480 58123	Sieb grob Kombinat. saph
781 0	4812 530 29113	Ablaufschlauch
781 3	4812 281 28417	Klappe Rueckschlag
783 4	4812 530 28888	Schlauch Magnetventil-WE
783 6	4812 530 28796	Schlauch 10x3x180+10
791 0	4812 532 68099	Dichtung Schacht
791 2	4812 530 58093	Dichtung SK 5199 01 4, 1 StÄck
901 0	4822 401 10258	Schlauchschele 10-18 mm
901 1	4812 401 18424	Schelle 050,0
901 2	4812 401 18157	Schelle 32-50/9 C61
901 5	4812 401 48573	Schelle 028,6
910 1	4812 502 38152	Schraube 4,8x19
910 2	4812 502 18363	Schraube 4,0x12-H
910 3	4812 502 18389	Schraube 5x20 T20
910 4	4812 502 18385	Schraube M3,5x8-T15M
910 5	4812 502 18393	Schraube 3,5x9-1 Tx15
910 7	4812 502 18397	Schraube INOX A2 M 5X12
910 8	4812 502 18527	Schraube 4x15 T20
910 9	4812 502 18446	Schraube 3,5x16 (VBL-FS)
964 0	4812 466 68536	Dichtung Gehaeuse re/li
964 1	4812 466 68469	Dichtung Gehaeuse oben
993 0	4819 530 29028	Einhaengebogen
993 5	4822 532 80216	Fuelltrichter Salz

Technische Daten

Abmessungen + Gewicht

Abmessungen Gerät

Höhe	85,0 cm ± 1.4
Breite	59.7 cm
Tiefe	61.0 cm
Gewicht	58 kg

Elektronik

Service Elektronik

siehe Ersatzteilliste

Serien Elektronik CB (Control board) 709685

Programming of version and programmed control board, see "Service" and "Data set" on rating plate of inner door:

Dataset	709675
DUB	4619 724 81241

(Display/User board)

UCB Basis, nicht programmiert	4619 724 81061
CB programmiert	4 82601
UCB Basis, nicht programmiert	see on the boards itself 4619 724 84451

Programmablauf

Programme

see program diagram

Programmfolge P1a-P3a-P5c-P6a-P7a

VOIR CHARTE

Programmablauf und Dauer

Vorwäsche, kalt

CHRONO

Eco

Mischwäsche

Intensiv

Daten Energie Label

Referenzprogramm	P5c
Energieklasse	A
Waschperformance	A
Trockenperformance	B

Alarm

Klarspülanzeige
Salzanzeige

Optionen

Delay function

Sani rinse

Programminformation

All programs will be locked after start. Changing the program or ?nishing the program will be possible only after pressing the start button for longer then 1.5 sec. (Break by customer)

A switching off the appliance or unplug the appliance for a while, this will frozen the program step and later on, the program continuos on the same position.

Exception: Switching off the appliance or unplug the appliance during the drying phase, this will lead directly to the end of the program.

Startanzeige
Vorwäsche
Hauptwäsche
Trocknen
Ende

Inhalt

Water	Volume	Level
Regeneration	0.3 l	15 mm
Back rinse 3x	1.0 l	60 mm
Prewash	4.8 l	120 mm
Main wash	4.2 l	118 mm
Intermediate rinse 1	4.2 l	118 mm
Intermediate rinse 2	4.2 l	118 mm
Clear rinse	4.2 l	118 mm
Safety/ overflow	8.5 l	141 mm
REGENERATION	0,3 l	15 mm
RINÇAGE	1,0 l	68 mm
PRELAVAGE	4,8 l	124 mm
LAVAGE	4,2 l	122 mm
1er RINÇAGE INTERMED	4,2 l	120 mm
2er RINÇAGE INTERMED	4,2 l	120 mm
RINÇAGE FINAL	4,2 l	120 mm
SECURITE/ANTI-DEBORD	8,5 l	141 mm

Messung Wasserlevel

Grobfilter entnehmen, stattdessen Meterstab auf tiefsten Punkt einstellen, Wasserhöhe ablesen!

Reinigungen Kapazität

Vorwäsche	10 cm ³
Hauptwäsche	40 cm ³
Klarspülerdosierung	135 cm ³
Dosiereinstellungen	1 à 6 cm ³
min.	1 ml
max.	6 ml

Wasserenthärter

Salzbehälter	2 kg
Harzbehälter	700 cm ³
Regenerierdosierung	300 cm ³
Volumen Harzbehälter	900 cm ³

Wasserdruck

Zulaufdruck	0.3 bar - 10 bar	0,3 - 10	bar
Umwälzpumpendruck			0.4 bar

Drehzahlen

Umwälzpumpe Motor	2800 RPM
Laugenpumpenmotor	3000 RPM
Sprüharm unten	30 RPM - 40 RPM
Sprüharm oben	30 RPM - 40 RPM

Durchfluß

Wasserzähler	208 lmp/l		
Umwälzpumpe	45 l/min - 65 l/min	45 - 64	l/min
Laugenpumpe	16 l/min		
Abpumphöhe Max	1.1 m		
Zulaufventil	4 l/min		
Sprüharm unten	~33 l/min		
Sprüharm oben	~27 l/min		
Dusche oben	~8 l/min		

Elektrische Basisdaten

Spannung	220/ 240 V
min.	220 V
max.	230 V
Frequenz	50 Hz
Gesamtleistung	2.0 kW - 2.2 kW
Anschlusswert	2,2 kW
Sicherung	10 A

Umwälzpumpe Motor (Permanent-Spülsystem)

Spannung	220/ 240 V
Anschlusswert	140 W
HI	69 Ω
HA	48 Ω
Kondensator	4 μ F

Umwälzpumpe Motor

Spannung	220/ 240 V
Anschlusswert	145 W
Kondensator	4 μ F
Widerstand	
Primäre Wicklung	69 Ω
Start Wicklung	48 Ω

Laugenpumpenmotor

Spannung	220/ 240 V
Anschlusswert	30 W
Widerstand	146 Ω

Heizung*1 Element system*

Spannung	220/ 240 V
Anschlusswert	1.87/ 2.04 kW
Widerstand	24.5 Ω
Aufheizgeschwindigkeit	~2.0 °C/min
Oberflächentemperatur	~115 °C
Sicherheitsthermostat selbstrückstellend (Wassertemperatur)	~85 °C
Sicherung	206 °C

Ventilator

Spannung	220 V - 240 V
Widerstand	141 Ω

Potentiometer

Meßpunkte: zwischen 1 (schwarz) und 2 (Mitte)

1 (black) to 2 (middle)

Position 0	0.0 k Ω
Position 1	0.5 k Ω
Position 2	1.0 k Ω
Position 3	1.4 k Ω
Position 4	1.8 k Ω
Position 5	2.3 k Ω
Position 6	2.6 k Ω

Wasserschutzsystem

Wasserstop-System
Bodenwanne
Electronic aqua control

Einfachzulaufventil

Spannung 220/ 240 V
Frequenz 50/ 60 Hz
Widerstand 3.76 k Ω

Regenerierventil

Spannung 220/ 240 V
Frequenz 50/ 60 Hz
Widerstand 3.13 k Ω

Spule für Kombidosierung

Spannung 220/ 240 V
Frequenz 50/ 60 Hz
Widerstand 1.3 k Ω

Reedkontakte

Wasserzähler
Salzanzeige
Klarspüleranzeige

Optischer Wasserindikator (OWI)

Optische Wasserstandsmessung
Kombinationsbauteil aus:
Trübungssensor (DON)
NTC

(notice NTC)

NTC

NTC

20 °C	58.1	kΩ
25 °C	47.1	kΩ
30 °C	38.2	kΩ
40 °C	25.4	kΩ
50 °C	17.2	kΩ
60 °C	11.8	kΩ
70 °C	8.3	kΩ
80 °C	6	kΩ
85 °C	4	kΩ
20 °C	58,1	kΩ
25 °C	47,1	kΩ
30 °C	38,2	kΩ
40 °C	25,4	kΩ
50 °C	17,2	kΩ
60 °C	11,8	kΩ
70 °C	8,3	kΩ
80 °C	6	kΩ
85 °C	4	kΩ

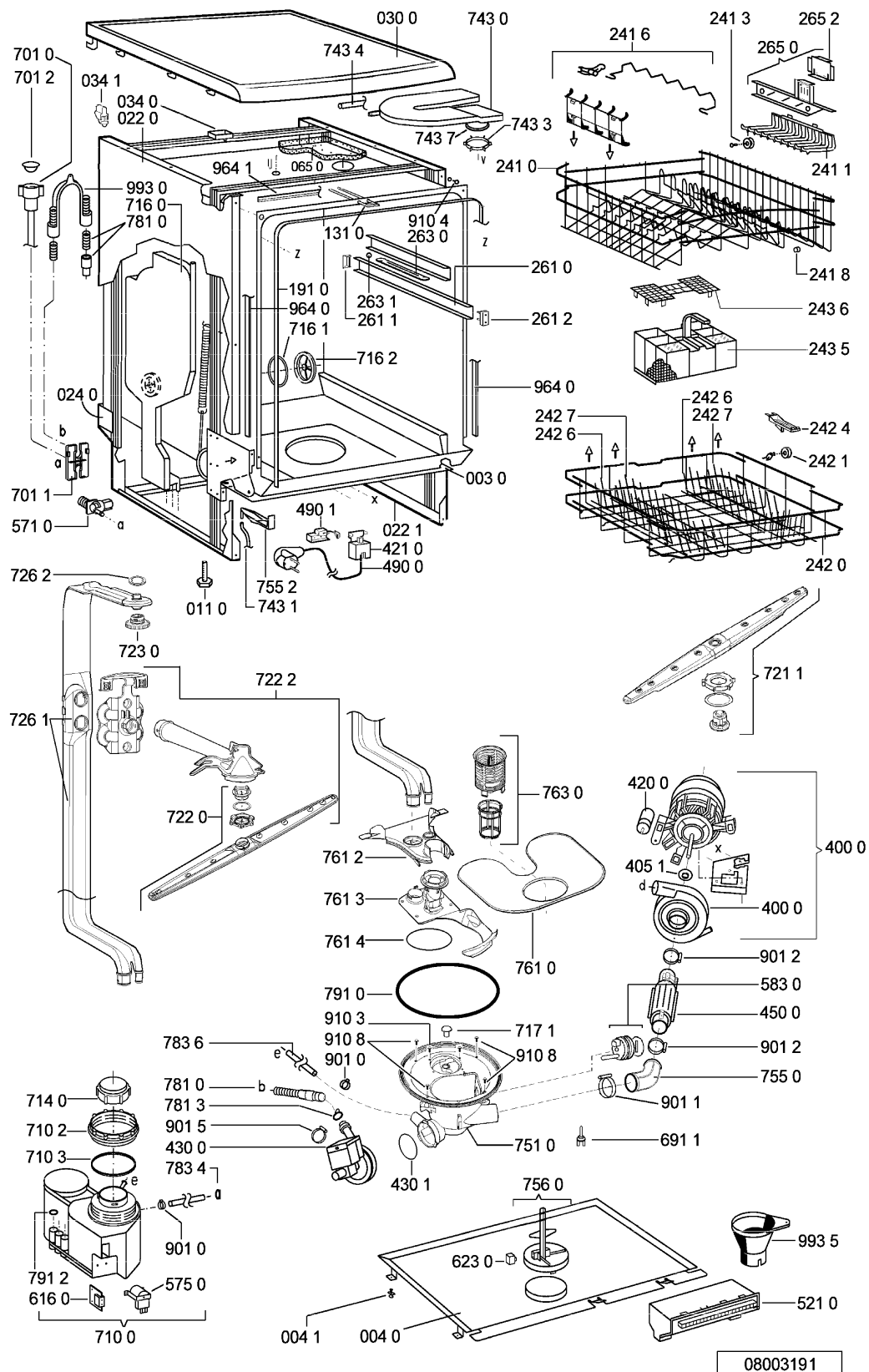
Regeneration

Inhalt	300 cm ³
Salzverbrauch für Regeneration	77 g
Anzahl der Spülprogramme mit 2 kg Salz	26
Position 0	
Nach Waschzyklen	12
Wasserhärte	0 - 5 °dh 0 - 0.9 mmol/l 0 - 9 °Fh
Position 1	
Nach Waschzyklen	10
Wasserhärte	6 - 10 °dh 1 - 1.8 mmol/l 10 - 18 °Fh
Position 2	
Nach Waschzyklen	7
Wasserhärte	11 - 15 °dh 1.9 - 2.7 mmol/l 19 - 27 °Fh
Position 3	
Nach Waschzyklen	5
Wasserhärte	16 - 21 °dh 2.8 - 3.7 mmol/l 28 - 37 °Fh
Position 4	
Nach Waschzyklen	3
Wasserhärte	22 - 28 °dh 3.8 - 5.0 mmol/l 38 - 50 °Fh
Position 5	
Nach Waschzyklen	2
Wasserhärte	29 - 35 °dh 5.1 - 6.3 mmol/l 51 - 63 °Fh
Position 6	
Nach Waschzyklen	1
Wasserhärte	36 - 60 (53) °dh 6.4 - 10.7 mmol/l 64 - 107 °Fh

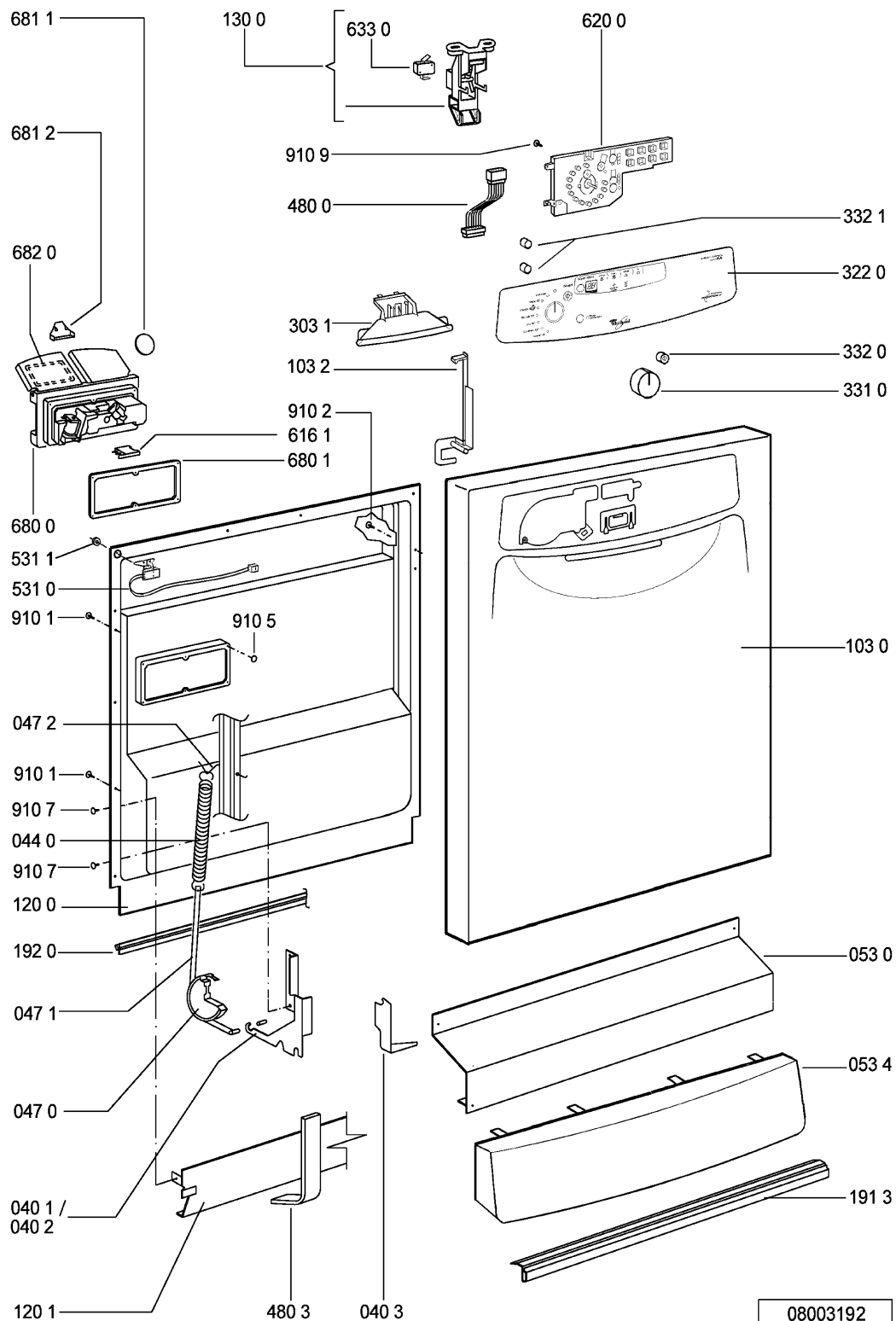
Zubehör

*If you need spare parts apart from the spare part list have a look in the Service Bulletin 4812 718 40084.
For higher mounted Dishwashers to prevent the drain off effect - also usable for lower drain pipes and to
prevent the failure F8 use Kit 4812 310 18993.*

Explosionszeichnung



Explosionszeichnung



08003192

Schließschema

[illegible]

- d: drain out depends on soil level
- f: water fill if (d) water was drained out
- h: heating up to 40° C till 70°C depends on soil level
- r: rinsing time 0 min. till 12 min. depends on soil level
- i: 2nd intermediate rinse depends on soil level

Function diagramm
Point permanent wash

(Ä07: 4619 724 44201/07)
03.03.2005
4619 724 44201-1

Text /Legende

Test procedure for SERVICE-TEST-PROGRAM Point dishwashers appliances with and without 7 Segment Display

Switch on the appliance. If there is no failure indicated, then:

1. Start the passive test program.
If there is a defective component indicated, open the plinth and take out the control board (CB).
2. Check the component.
Unplug the indicated component from the control board (CB) and check it by using an Ohmmeter.
If the resistance is not correct, check the cables to the component and check the component itself.
3. Visibly check the control board (CB).
4. At the end of the repair start the appliance and delete the failure. After this, start the passive and active test program again to see that the failure is solved.

More details: see following pages.

Attention:

Danger for short circuit. Short circuits on components can damage the control board (CB).

If electronic boards are wet, do not switch the appliance on.

To check the appliance, plug in the appliance.

Failures, which occurred during the program will be stored and indicated by flashing the start LED.

The failure will be indicated and can be related to the failure table.

To erase the failures, you must push the start button longer than 1,5 seconds.

The failures F1 NTC break
 F2 water leakage
 F9 continuous water inlet

are checked and indicated immediately after start of the program.

Therefore these failures have to be solved before starting the active test program.

When these failures are not solved, the active test program does not run.

The electrical components get their voltage via triac from the control board (CB). To test the voltage the voltmeter must be connected in parallel to the component (the component must be connected). If the component is disconnected, then the output voltage from the control board (CB) is reduced.

After starting a program this program is locked. That means neither by unplugging/switching off the appliance nor by setting to another program, the first set program cannot be changed.

Changing of the program is only possible by pushing the start button again for longer than 1,5 sec..

Attention: New service control boards start at first with the service test program. This test program is without back rinsing. **Dangerous for overfilling the appliance, in case the appliance is not empty.** By running the test program or another program a second time, the back rinsing will be carried out as usual.

4619 724 43901-1

Text /Legende

Handling of failures

- F0 Sensor failure (only when a dirt sensor is installed)
Will not be indicate to the customer. The programs will finish even if there is a failure. The Failure is indicated only in the active test program after 10 – 30 second's. The active test program will finish as well, even if there is a failure.
If the failure in a sensor program appears, the machine will always choose the highest consumption (best cleaning result).
- None or wrong output from the sensor
- Unlogical or unreal measurement results
Reason:
- Defective electronic of the sensor
- Optoelectronic parts in the sensor defect
- The sensor is very dirty
- Connection between sensor and control board (CB) interrupted
Attention: The failure code will not store.
- F1. NTC break
Temperature out of the normal value (-3°C till +85°C)
- Temperature inside higher than +85°C
- NTC defective
- Dishwasher is frozen, less than -3°C
If the temperature is less than -3°C, fill the appliance with a cup of warm water to warm it up before you start it..
- F2. Water Leakage
- Water is in the drip tray
Floater (LS6) switches off the WV1 and the electronic switches on the DPM until WI reports that it is empty.
- F3. Heating System Defective
Indicated after app. 25 minutes (1. check after 5 min., after that follow 2 more checks, before the failure is indicate)
- Heats too slowly (less than 1,5 °C in 10 min.)
- Heating (HEW) defective
- Relays (RE2) on control board (CB) is defective
- NTC - resistance fluctuation
- F4. Draining Failure
Drain pump starts and after 4 min. the WI detects that it is "not empty"
- Drain pump (DPM) defective
- Siphon closed
- Control board (CB) defective
- OWI/WI defective.

Text /Legende

- F6. Water Tap Closed
Water valve (WV1) is switched on but flow meter (FM) sends no impulses (less than 10 imp. in 10 sec.) and the water indicator (WI) is off (empty)
- Water tap closed
- Water inlet hose blocked
- Water inlet valve (WV1) defective
- Flow meter (FM) defective (leads to FM failure)
- F7. Flow Meter Failure
Water inlet valve (WV1) is switched on and the water indicator (WI) is on (full).
- Flow meter (FM) sends too few impulses (less than 10 imp. in 10 sec.)
- Water tap closed during water inlet
- Water inlet hose blocked
- Water inlet valve (WV1) defective
- Flow meter (FM) defective
- F8. Water Level Failure.
Failures are supervised over the whole program.
Mechanical water indicator WI: Spray pump works, the WI switches more than 20 times in 2 minutes back.
Optical water indicator OWI: Always after the OWI-Signal is missing, the electrical components are turned off for 5 sec. If after the 5 sec. the OWI-Signal is still not present then, it notes a Failure F8. If, however, after the 5 sec. the OWI-Signal is present, then the water-level is filled to 6 Ltr. and the electrical components are again turned on. After the OWI signal is missing for a second time note an F8 Failure
- WI defect? Should switch on after approx. 1 Ltr
- Sieve blocked
- Water strongly foams
- Pot has turned off and is filled with spray water
- No stable spray pump (SPM) working
- F9. Continuous Water Inlet
Water inlet valve (WV1) is switched off, water indicator (WI) on, flow meter (FM) sends impulses (more than 10 imp. in 10 sec.)
- Water inlet valve (WV1) mechanically not closed
- Triac (CB) permanently switched on. (short circuit)
Reaction: interval 30 sec. drain pump on / 20 sec. drain pump off in interval

The following failures will only be indicated, when the relevant component is installed.

Text /Legende

- FA. OWI (Optical Water Indicator) – Failure
If the electronics signals of the Flow meter for the 3,4 Ltr. of water has been received on permanent wash system and 2,5 Ltr on alternating wash system and the OWI signal "Water in the sump" is missing then take note.
- Lens will be cleaned: Water inlet off for 10 Sec and SPM on for 10 Sec.
- If after that there is still no signal "Water in sump", then the appliance goes into failure mode FA.
- FB. MDV (Motor Diverter) – Failure
Failure condition:
Start water inlet. After 15 sec. switches the WI. After that, when not within 120 sec. comes a signal from the MDV to the control board, lower or upper spray arm is functioning, then the FB will indicate.
Check:
 - Do the upper and lower spray arms alternate turns in approx. 30-40 sec. ? If only one turns then there is a failure.
 - Is the diverter disc in the sump blocked? Yes, unblock it.
 - Does 230V come from the control board (ZW,DVH) to the MDV? No, change control board.How to check:
Start test program and wait until backrinse is over. After the start of the regular water-inlet must come 230V within 30 sec. for approx. 20 sec. to the MDV.
 - Is the winding of the MDV or cable to the MDV interrupted? (ZW,DVH) resistance of the MDV should be approx. 6,3 K Ω
 - Is the signal cable between the MDV and control board (SAB,DVL) carrying 5v?
- FC. ASA (Automatic Salt Adaptation)/ Water hardness sensor Failure
(only indicates in the active test program)
Failure condition:
Electronic on the water softener detects high electrical resistance in the resin.
Check:
Cables on the sensors of the water softener interrupted or weak contact? Cables from the control board (ASA) to WHS electronic on the water softener interrupted or weak contact?

For salt, rinse aid, zone wash valve, sieve valve failure see active test program.

Text /Legende

Failure Display POINT

Appliances with 1 and 2-digit 7 Segment Display and without 7 Segment Display

Alarm / Failure	Failure code, Indication in test program when a failure occurs	
	Shown with 7 segment display or without 7 segment display	Shown on 2/3 digit 7 segment display
F1 NTC-Failure	START  1 x flash 1s Pause 1 x flash.....	
F2 Water Leakage	START  2 x flashes 1s Pause 2 x flashes.....	
F3 Failure in Heating System	START  3 x flashes 1s Pause 3 x flashes.....	
F4 Draining Failure	START  4 x flashes 1s Pause 4 x flashes.....	
F6 Water Tap closed	START  6 x flashes 1s Pause 6 x flashes.....	
F7 Flow Meter Failure	START  7 x flashes 1s Pause 7 x flashes.....	
F8 Water Level Failure	START  8 x flashes 1s Pause 8 x flashes.....	
F9 Continuous Waterinlet	START  9 x flashes 1s Pause 9 x flashes.....	
F0 Sensor-Failure (Only displayed in act. test program)	START  10 x flashes 1s Pause 10 x flashes.....	
FA OWI-Fehler	START  11 x flashes 1s Pause 11 x flashes.....	
FB MDV-Fehler	START  12 x flashes 1s Pause 12 x flashes.....	
FC ASA-Fehler (Only displayed in act. test program)	START  13 x flashes 1s Pause 13 x flashes.....	



LED flashing

- "Rotor blocked (F5)" isn't displayed on the POINT appliance

Text /Legende

With the passive test program, you can check all LED's and buttons. If there is no failure the passive test program runs normally.

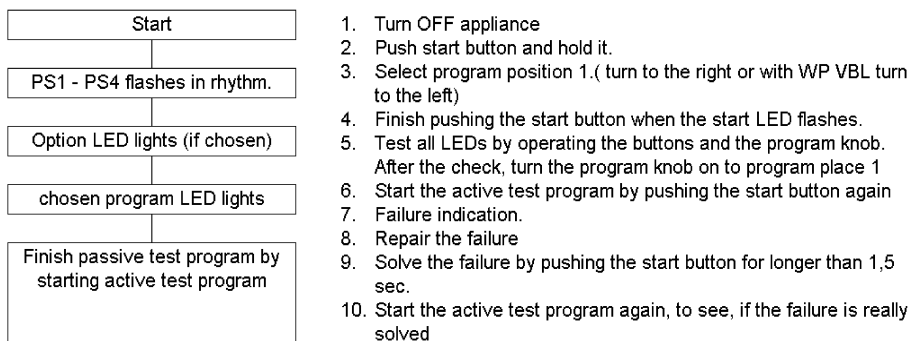
Attention:
If you can't start the active test program (Start button doesn't flash), normally there is one of the following failures detected: F1, F2 or F9
When these failures are not solved before, the passive and active test program will not run. After solving the failure you must "sign" (erase) the failure.

A present failure will be indicate directly after you switch on the appliance. Then fix the mistake, erase failure and start test program again (see following start procedure).

Start procedure

Start the passive test program if there is no failure indicated

If there is no failure the passive test program runs normally.

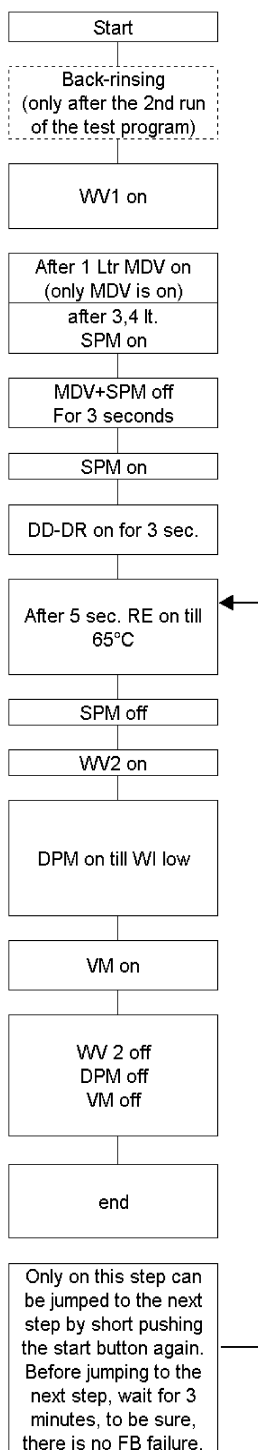


Active test program starts (see next page)

PS1	1.LED	prewash		
PS2	2.LED	mainwash		
		intermediate rinse		
		final rinse		
PS3	3.LED	drying (regeneration)		
PS4	4.LED	end	goes off if any button is pushed	goes off if after 30 min prog. Is finished

Text /Legende

Active test program



Remarks

The active test program runs to the failure position and stops or, if there is no failure, it runs to the end.

To leave the test program push the start button for longer than 1,5 second's.

Not enough salt or rinse aid will not stop the running of the appliance.

Remark When switching off the main switch or interrupting the mains, during the test program runs, then the alternating of the spray arms changes in the test program from 30/30 sec. to the rhythm of the main wash 5/3 min.

Important Leaving the test program is possible by making a break by the customer (Pushing the start button for more than 1,5 sec.).

After finishing the test program (End LED shines and/or Start LED goes off) then the appliance must be switched off.

If this is not done, then the next main wash will be made with the frequency of the Service Test Program ~30/30 sec. instead of 3/5 min.

When the failure position is reached the failure indication is indicated on the page "Failure Codes"

Attention:

If you can't start the active test program (Start button doesn't flash), normally there is one of the following failures detected: F1, F2 or F9

When these failures are not repaired before, the active test program will not run. After solving the failure you must "sign" (erase) the failure.