



SERVICE MANUAL

6 PLACE // DISHWASHER

TDW6SS

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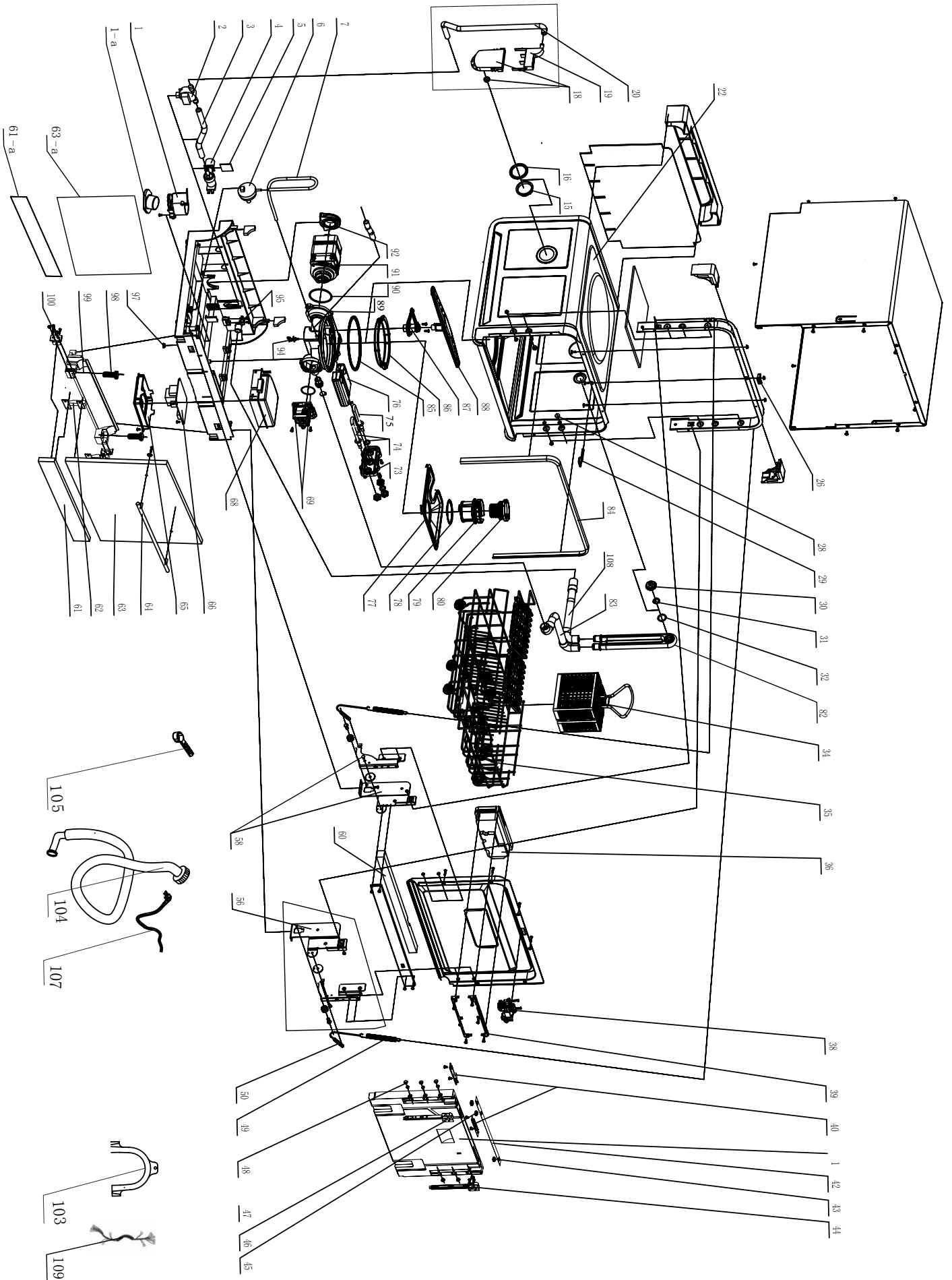


Version 3.0



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Exploded View



Parts List

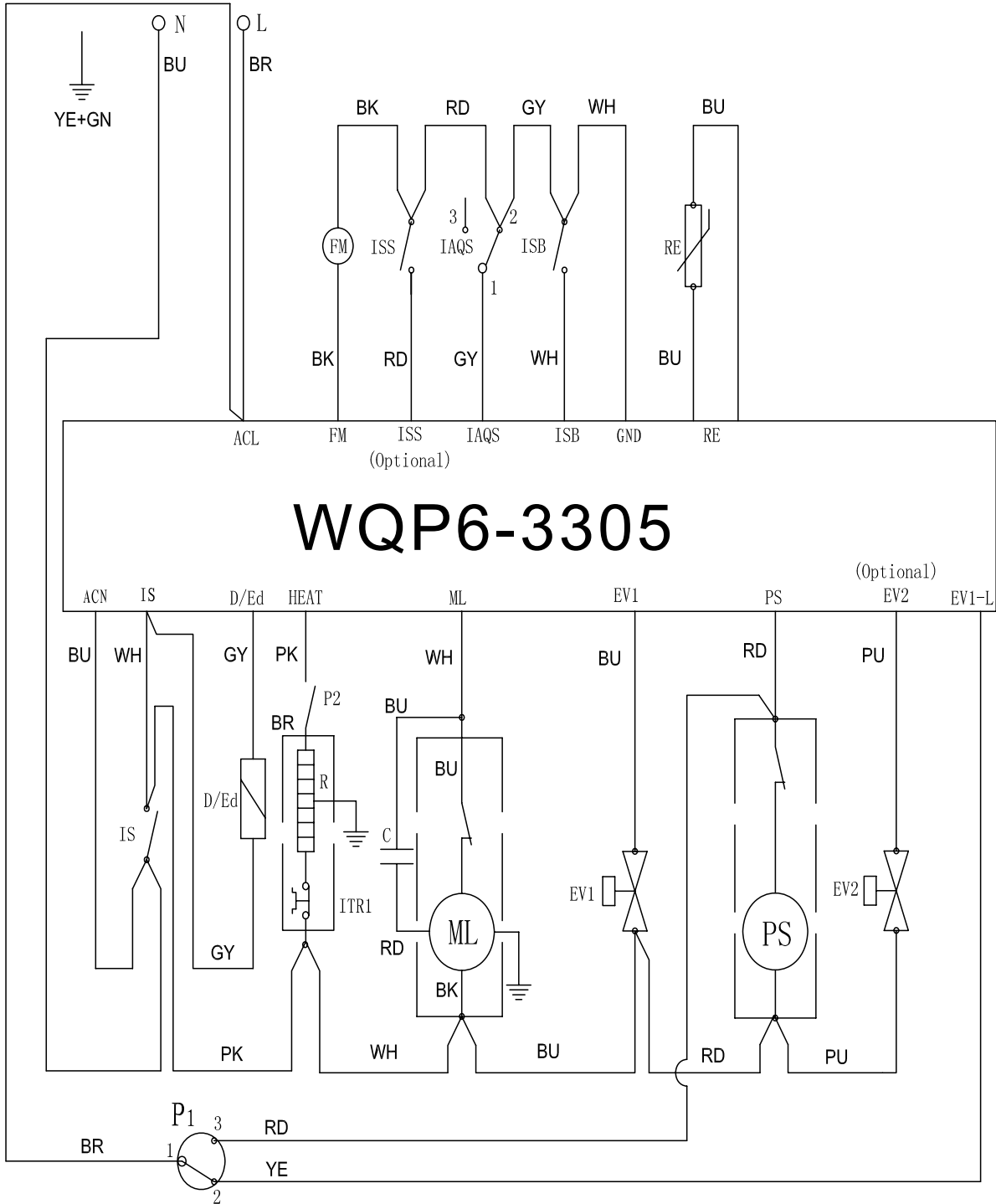
ID	PART NUMBER	DESCRIPTION
1	2406700	Float Holder
1A	2406701	Float
2	2406702	Flowmeter
3	2406703	Inlet Hose
4	2406704	Inlet Valve
5	2406705	Inlet Valve Block
6	2406706	Pressure Switch
7	2406707	PVC Hose
15	2406708	Water Inlet Nut
16	2406709	Water Inlet Gasket
17	2406710	Water Inlet
18	2406711	Water Inlet Block
19	2406712	Water Inlet Cover
20	2406713	Inlet hose of Water Inlet
26	2406300	Door Clamp
28	2406400	Screw Cover
29	2406301	Door Lock
30	2406714	Siphon Nut
31	2406715	Monomial Valve
32	2406716	O Ring 21X3
34	2406401	Cutlery Basket
35	2406900	Basket
36	2406901	Detergent Dispenser
38	2406902	Handle Assembly
39	2406402	Detergent Dispenser Bracket
40&66	2406500	Main PCB
42	2406903	Control Panel Insert
43	2406403	Programme Button
44	2406406	Left Slide Hook
45	2406404	Delay Start Button
46	2406407	Right Slide Hook
47	2406405	Power Button
48	2406408	Screw Cover
49	2406200	Door Spring
50	2406904	Door Pull Rope
56	2406100	Right Sheave Support
58	2406101	Left Sheave Support
61	2406409	Kick Board
61A	2406102	Kick Board Finish Panel
62	2406905	Gemel Hinge

Parts List

ID	PART NUMBER	DESCRIPTION
63	2406906	Door Outer Panel
63A	2406103	Door Finish Panel
64	2406201	Door Handle
65	2406410	PCB Case Lid
66	2406500	Main PCB
68	2406411	PCB Case
69	2406717	Drain Pump Assembly
73	2406501	Heating Elements Socket
74	2406412	Heating Elements Seal
75	2406502	Heating Element
76	2406413	Heating Element Cover
77&78	2406104	Main Stainless Steel Filter
79&80	2406414	Filter
82	2406718	Vertical Siphon Pipe
83	2406719	Siphon Pipe
84	2406907	Door Seal
85	2406720	Sump Nut
86	2406721	Sump Gasket
87	2406722	Sprayer Socket
88	2406723	Sprayer
89	2406724	Sump
90	2406725	Washing Pump Seal
91	2406726	Washing Pump
92	2406727	Washing Pump Cushion
94	2406503	Temperature Sensor
95	2406413	Power Cord Clamp
98	2406416	Levelling Screw
99	2406417	Washboard
100	2406302	Built-in Plank
103	2406418	Drain Hose Hook
104	2406728	Inlet Hose Assembly
105	2406419	Measuring Spoon
107	2406504	Power Cord
108	2406729	Drain Hose
109	2406505	Wiring Harness

Wiring Diagram

220-240V/60HZ



CAUTION

DISCONNECT POWER BEFORE SERVICING

SPECIFICATIONS	
Rated voltage / frequency	220-240V AC/ 50Hz
Current	Max 10A
Installation	Built-in
Place setting	6
Product dimensions (W x D x H)	590 x 475 x 500mm
Product weight	26Kg
Door finish	Stainless Steel
Control	Electronic
Rated power	1280W
Hot water connection	Max 60°C
Water pressure	0.04 - 1.00MPa
Operating time (normal)	107 min
Water consumption	8.7L
Delay start function	YES

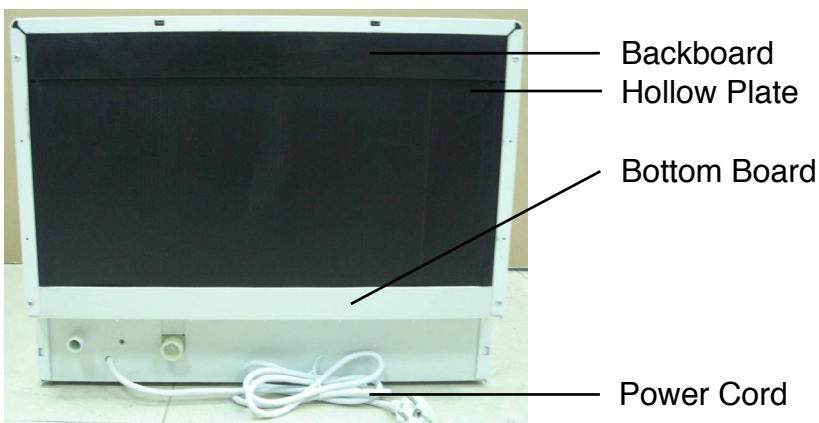
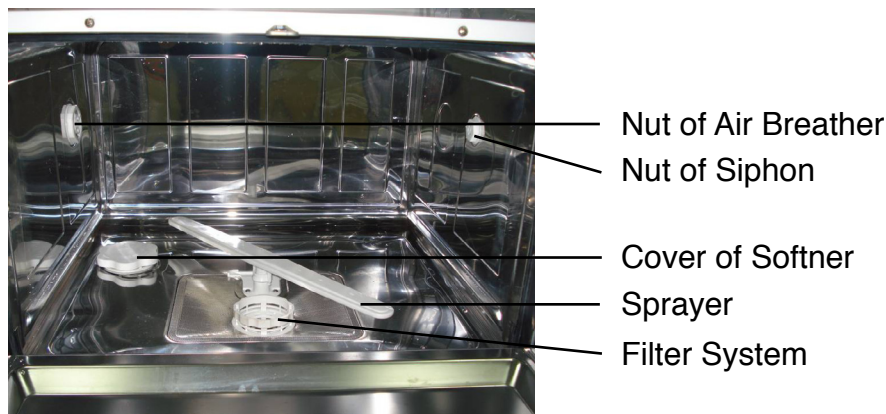
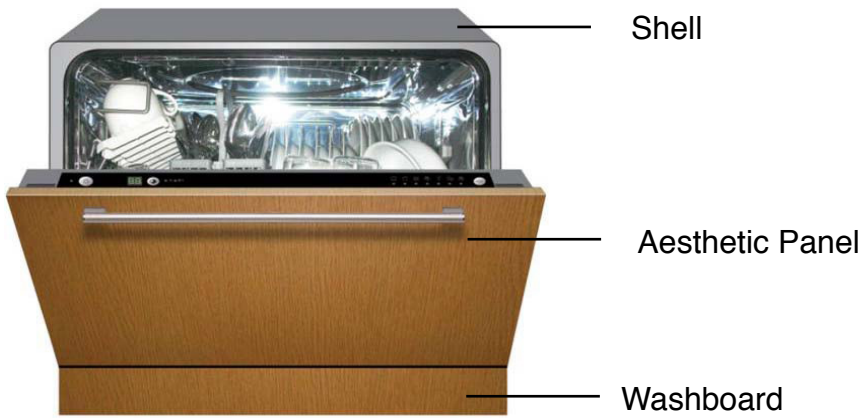
Control Panel Features



- 1** Power on light: To come on when Power ON/OFF button is pressed down.
- 2** ON/OFF Button: To turn on/off the power supply.
- 3** Delay time: To display booking time .
- 4** Delayed Start Button: Press this button to set the delayed hours for washing. You can delay the start of washing up to 24 hours. One press on this button delays the start of washing by one hour.
- 5** Rinse Aid Warning Light : To be on when the rinse aid dispenser needs to be refilled.
- 6** Program indicator light: when you select washing program, the correspond light will display.
- 7** Program button :To select washing program when press the button.

Note: Control panel designs and features do vary between dishwasher models. Please refer to the product user manual for a specific list of features.

Component Locator Views



Dishwasher Components

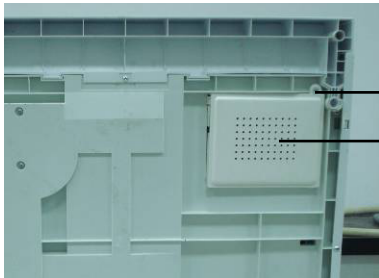
Note: All voltage checks should be made with voltmeter having full scale range of 250 volts or higher. After Service is completed, be sure all safety grounding circuits are complete, all electrical connections are secure, and all access panels are in place.

Main Control Board

The main control board, controls all electrical elements in the dishwasher and is protected by a control board case.

Removal and Replacement

1. Disconnect power supply
2. Take out cutlery basket, basket and filter system.
3. Turn the dishwasher machine and remove all screws from the front cover of the Protection box.



Screw

Cover of protection box

4. Pull out all housing and terminals (including some locking terminals), then remove all screws for fixing main control board.



Protection Box

Main Control Panel

Note: Mark all housings, terminals positions and colours before pulling them out. Some terminals are locking terminals.

5. Reverse the above procedure to install, and check the connections.



Outer Door

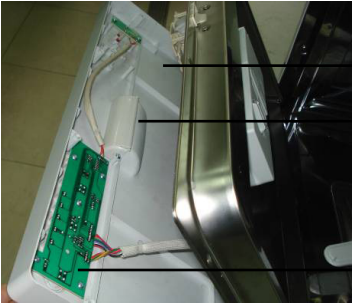
The outer door covers the door to the dishwasher and protects the detergent dispenser.

Removal and Installation

1. Open the dishwasher door and remove all screws for fixing outer door assembly.



2. Hold on outer door assembly, remove all screws for fixing the operating board.



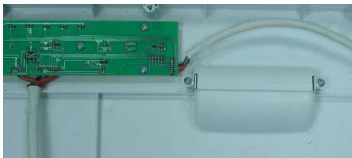
Outer Door

Handle Cover

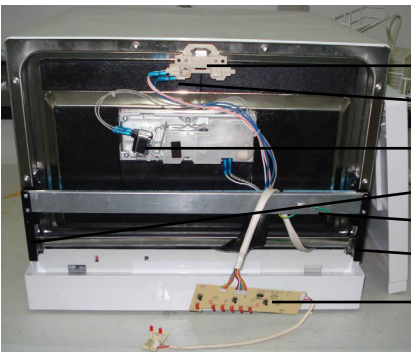
Operating Board

CAUTION: Corners and edges of the inner door are sharp which can represent a cutting hazard.

3. Remove all screws for fixing handle cover.



4. Reverse the above procedure to install and check the connectors.



Door Handle Assembly

Microswitch (Door Handle Assembly)

Dispenser

Door Hinge (right)

Rod for Door hinges

Door Hinge (left)

Operating Board

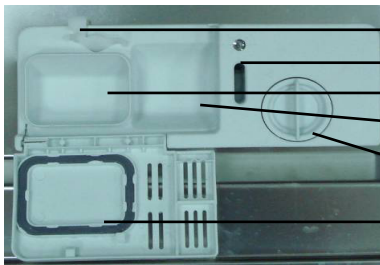


Dispenser

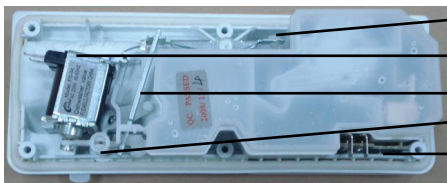
The dispenser automatically dispenses both the detergent and the rinse agent at the appropriate time, the dispenser is activated twice during the wash cycle.

The first time the dispenser is activated, the lever slides up the right hand path of the connecting rod. This action moves the cover catch and releases the detergent cover.

When deactivated, the lever resets to rest under the notch in the centre of the connecting rod. When activated the second time in a cycle, the lever lifts the connecting rod by the notch, lifting the rinse dispenser plunger and releasing the rinse agent. When deactivated the lever returns to the original position. The magnetic sensors are connected to the rinse aid warning light at the control panel. When the indicator lights up, more rinse aid needs to be added.



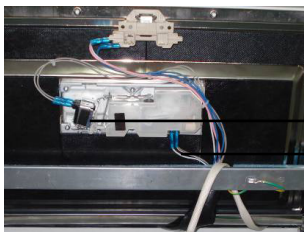
- Cover Catch
- Sight Glass
- Detergent Power Compartment
- Detergent Tablet Compartment
- Rinse Agent Cap
- Cover



- Plunger
- Electromagnetic Valve
- Connecting Rod
- Lever
- Magnetic Sensor

Removal and Replacement

1. Remove outer door assembly. (see outer door removal and installation)
2. Pull out all terminals of dispenser, then remove all screws for fixing dispenser.



- Locking Terminals



- Dispenser Bracket
- Dispenser

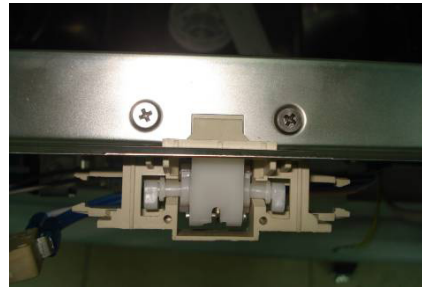
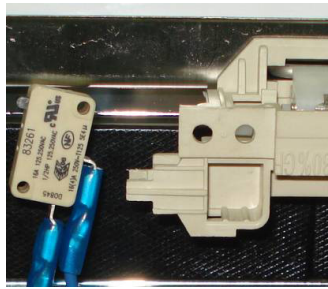
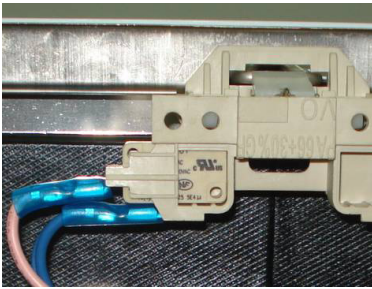
3. Reverse above procedure to install and check all connectors.

Door Handle Assembly

Removal and Replacement

1. Disconnect power supply.
2. Remove outer door assembly
3. Unfit all snap-fits of outer door assembly for fixing microswitch (door handle assembly) and pull out microswitch (door handle assembly)

Note: Do not pull out terminals of microswitch (door handle assembly)



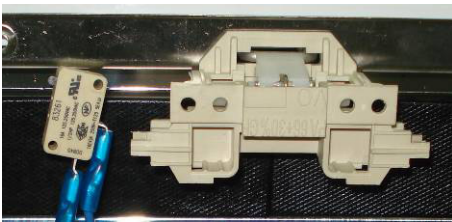
4. Remove all the screws for fixing door handle assembly.
5. Reverse the above procedure to install, and check the connectors.

Microswitch (Door Handle Assembly)

The microswitch is series-connected to different components of the dishwasher and it interrupts the power supply to those components when the door handle latch is pressed.

Removal and Replacement

1. Disconnect Power Supply
2. Remove outer door assembly
3. Pull out microswitch, then pull out terminals of microswitch.



4. Reverse the above procedure to install, and check the connectors.



Inner Door

Removal and Replacement

1. Remove outer door assembly
2. Pull out terminals of dispenser and microswitch (includes locking terminals)
3. Remove all screws for fixing inner door.



4. Remove dispenser.
5. Remove door handle assembly
6. Reverse the above procedure to install, and check all the connectors.

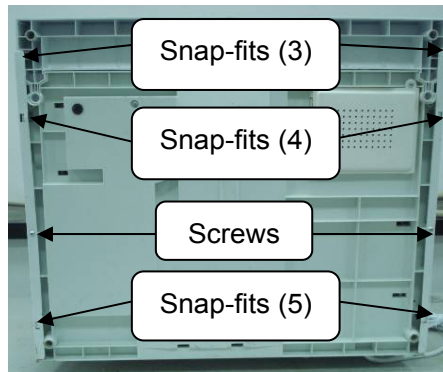
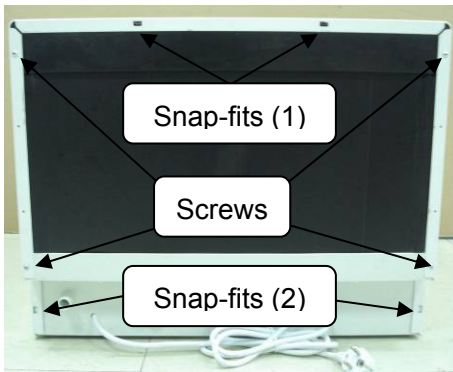
Shell

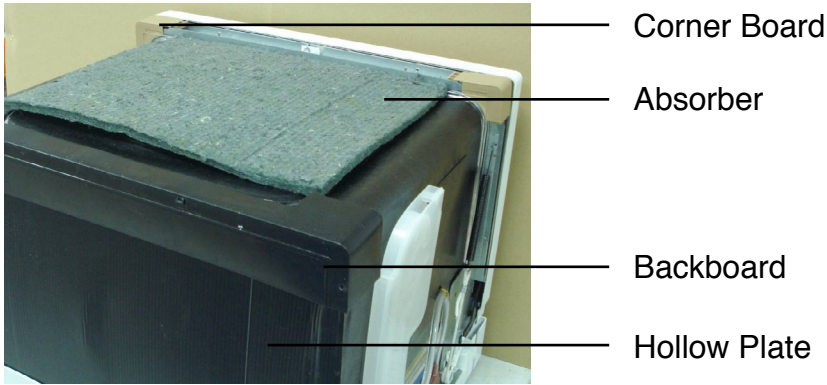
Removal and Installation

1. Take out cutlery basket, basket and filter system.
2. Remove all screws for fixing shell with tank assembly in front of dishwasher machine.
3. Remove all screws for fixing shell with backboard and bottom board in the rear of dishwasher.
4. Turn the dishwasher and remove all the screws for fixing shell with bottom board in the bottom of dishwasher.
5. Unfix all snap fits for fixing shell with other parts. Include two snap fits of backboard, two snap fits of washboard, and six snap fits of bottom board.

Tip: If you press edges of shell like in the illustration, you can easily unfix all snap fits after removing all screws that fix shell with other parts.

6. Reverse the above procedure to install, and check all connectors.

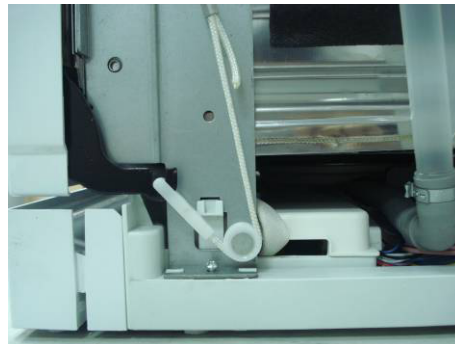




Operating Board

Removal and Installation

1. Disconnect Power Supply.
2. Remove Shell.
3. Take out two corner boards, absorber sound, backboard and hollow plate.
4. Remove all screws for fixing cover of protecting box.
5. Take out all housings for connecting lines of operating board from protecting box.
6. Then take out connecting lines of operating board from protecting box.

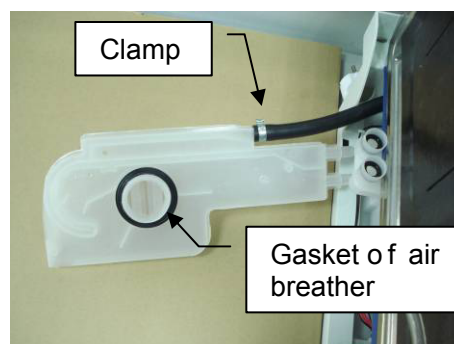


7. Remove outer door assembly.
8. Remove all screws for fixing operating board
9. Reverse the above procedure to install, and check the connectors.

Air Breath Assembly

Removal and Replacement

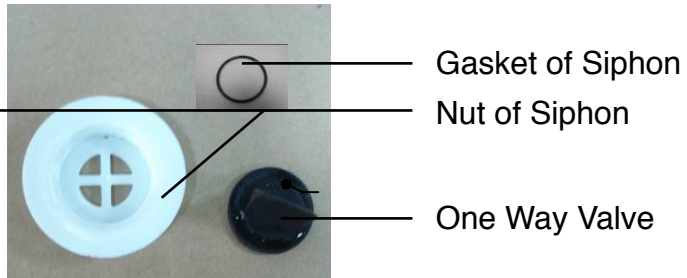
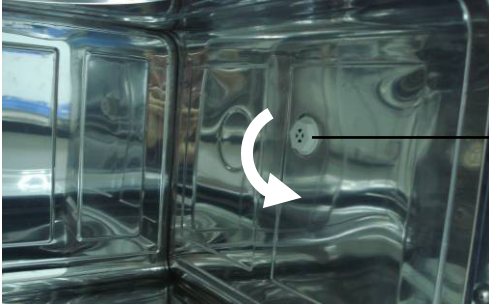
1. Remove Shell.
2. Take out two corner boards, absorber sound, backboard and hollow plate.
3. Unscrew nut of air breather, and take out air breather gasket.
4. Take out gasket of air breather, remove clamp for fixing connecting hose to air breather.
5. Reverse the above procedure to install.



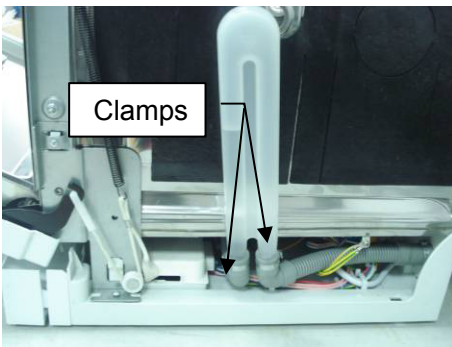
Siphon

Removal and Replacement

1. Remove shell.
2. Take out two corner boards, absorber sound, backboard and hollow plate.
3. Contrarotate nut of siphon, and take out one way valve and gasket of siphon.



4. Remove two clamps for fixing connecting hose with siphon.



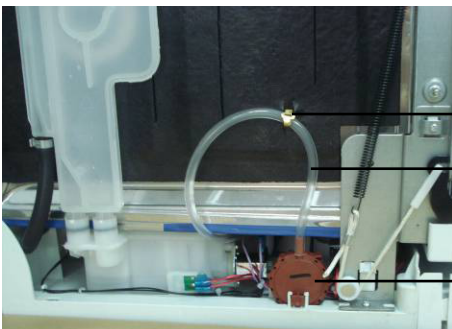
5. Reverse above procedure to install.

Pressure Switch

As the dishwasher basin fills with water, the air pressure in the pressure switch hose increases. When the pressure reaches the valve set point, the switch is activated and a signal is sent to the main control board, which starts the draining pump.

Removal and Replacement

1. Remove shell.
2. Take out two corner boards, absorber sound, backboard and hollow plate.
3. Unfix the sheet copper for fixing the pressure switch hose.



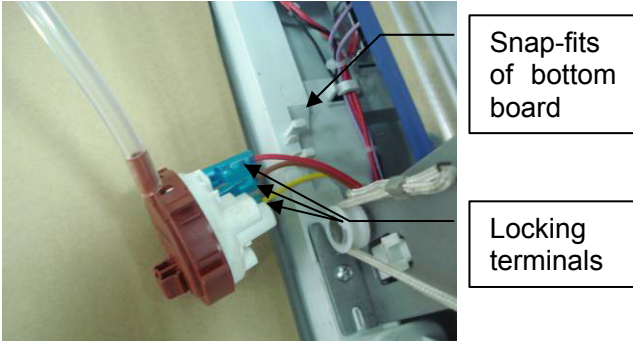
Sheet Copper
Pressure Switch Hose
Pressure Switch



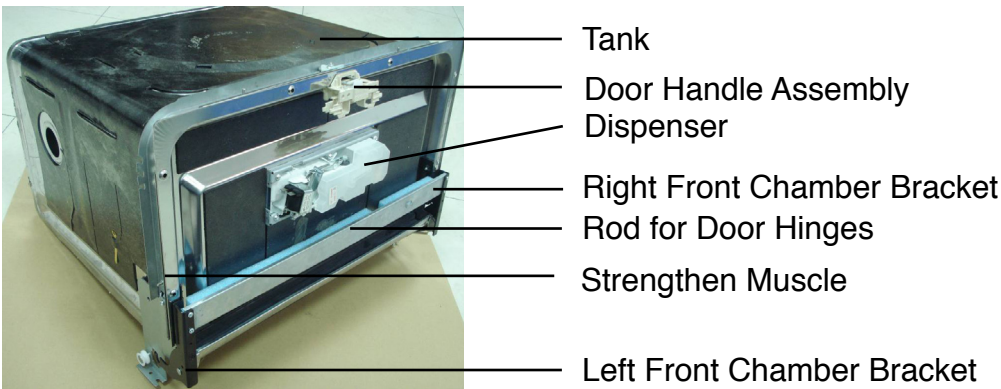
4. Unfix the snap fit of bottom board for fixing pressure switch, and pull out pressure switch hose, pull out all terminals of pressure switch.

Note: Mark all terminal colours and positions

5. Reverse the above procedure to install, and check all connectors.



Tank Assembly

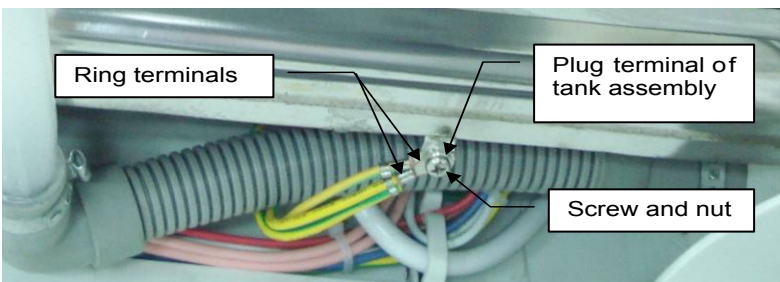


Removal and Installation

1. Take of cutlery basket, basket and filter system.
2. Remove shell.
3. Take out two corner boards, absorber sound, backboard and hollow plate.
4. Remove all screws for fixing cover of protecting box cover, put out all housing for connecting operating board. Take out connecting lines of operating board from protecting box.
5. Remove outer door assembly (with operating board).
6. Put out all terminals for connecting microswitch, dispenser and rod for door hinges. Take out connecting lines from inner door.

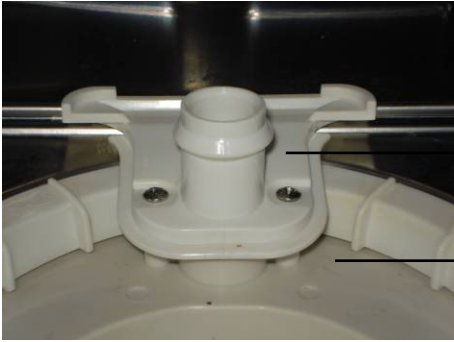
Note: Some terminals are locking terminals.

7. The plug terminal of tank assembly is on the edge in the left side of tank assembly. Remove the screw and the nut for fixing ring terminals of ground lines.





- 8. Unfix the sheet copper for fixing the pressure switch hose.
- 9. Remove two screws for fixing spray holder, then take out spray holder.



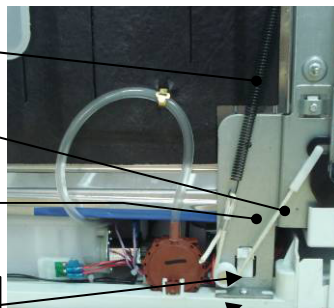
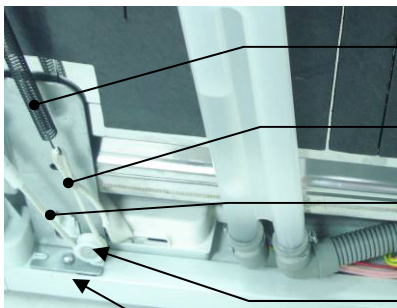
Sprayer Holder
Nut of Sump Assembly

- 10. Turn cover of water softener. Unscrew nut of air breather. Unscrew nut of siphon, then take out one way valve from siphon. Unscrew nut of sump assembly.



Nut of Air Breather
Nut of Siphon
Nut of Water Softener
Nut of Sump Assembly

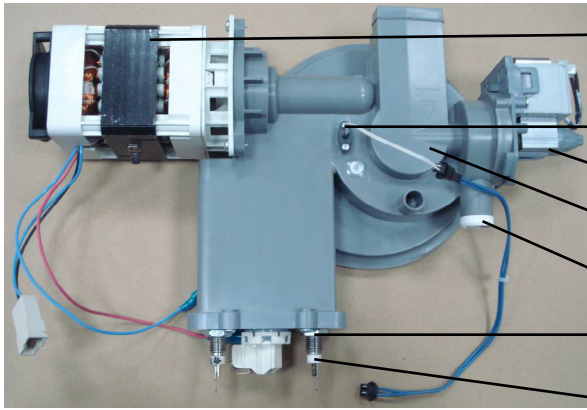
- 11. Take out door springs and connecting lines for connecting spring to door assembly
- 12. Remove all screws for fixing right and left front chamber bracket. Take out the tank assembly, at the same time unfix the snap fits of bottom board for fixing right and left front chamber bracket.



1
2
3
4
Snap-fits
Screws

1) Springs
2) Connecting Lines
3) Right front Chamber Bracket
4) Left Front Chamber Bracket

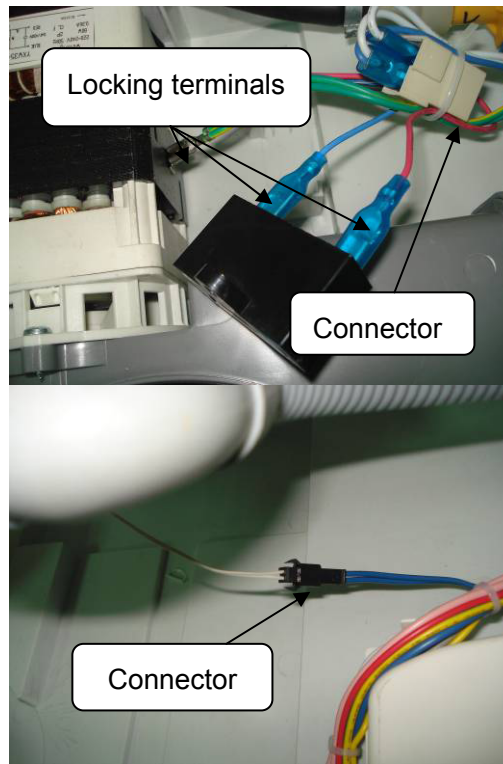
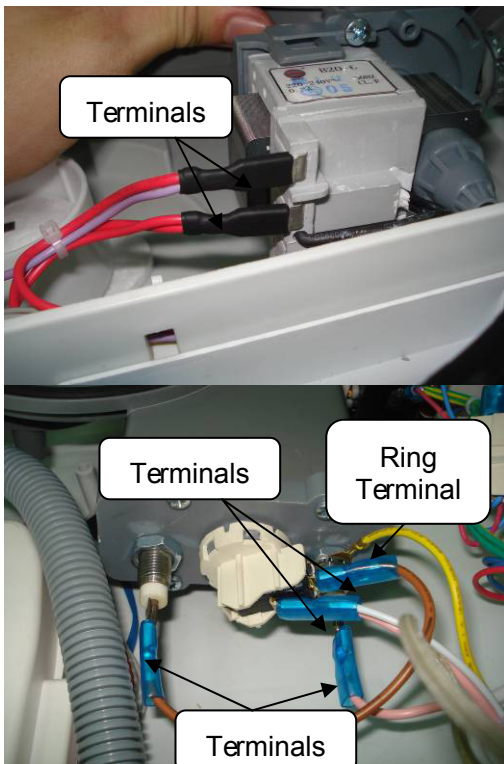
- 13. Reverse the above procedure to install, check all connectors.



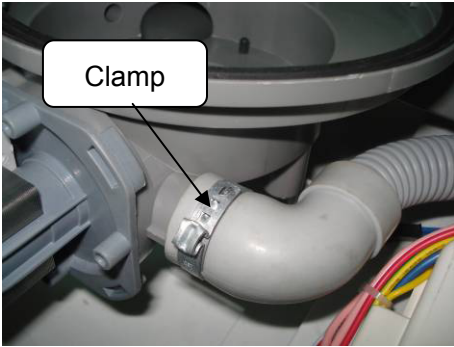
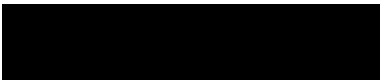
- Motor Pump Assembly
- Thermal Resistor
- Drain Pump Assembly
- Sump
- Check Plate Holder
- Heater Elements Support Assembly
- Heater Elements Assembly

Removal and Intallation

1. Take out cutlery basket, basket and filter system.
2. Remove shell.
3. Take out two corner boards, absorber sound, backboard and hollow plate.
4. Remove tank assembly
5. Pull out all terminals of sump assembly, 12 in total:
 - 2 terminals connecting the drain pump assembly,
 - 3 locking terminals and 1 connector, connecting the motor pump assembly
 - 2 terminals connecting the heater elements
 - 2 terminals connecting the heater elements support
 - 1 ring terminal connecting the heat element assembly
 - 1 connector of the thermal resistor



6. Remove one clamp for fixing connecting hose to check plate holder.



7. Pull out hose for connecting water softener to sump assembly and pull out pressure switch.



Connecting Hose (Water Softener)

Pressure Switch Hose

8. Take up sump assembly and pull out that motor from motor vibration-proof pad.



Motor Vibration-Proof Pad

9. Reverse the above procedure to install and check the connectors.

Drain Pump Assembly

Removal and Replacement

1. Take out sump assembly.
2. Remove all screws for fixing drain pump assembly, and contrarotate the drain pump assembly to take it out.



3. Reverse the above procedure to install, and check connectors.



CONTACT DETAILS

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Manufacturer reserves the right to change specifications without notice.



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