

Technical Service Guide

Compact Dishwasher
MODEL SERIES: WQP6-3206B

IMPORTANT SAFETY NOTICE

The information in this service guide is intended for use by individuals possessing adequate backgrounds of electrical, electronic, and mechanical experience. Any attempt to repair a major appliance may result in personal injury and property damage. The manufacturer or seller cannot be responsible for the interpretation of this information, nor can it assume any liability in connection with its use.

WARNING

To avoid personal injury, disconnect power before servicing this product. If electrical power is required for diagnosis or test purposes, disconnect the power immediately after performing the necessary checks.

RECONNECT ALL GROUNDING DEVICES

If grounding wires, screws, straps, clips, nuts, or washers used to complete a path to ground are removed for service, they must be returned to their original position and properly fastened.

MIDEA CONSUMER PRODUCTS

TECHNICAL SERVICE GUIDE

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Introduction

WQP6-3201 compact electrical dishwasher with 6 washing cycles offers good washing performance to satisfy every washing requirement. Its electronic control is easy and convenient to operate. The rack can hold up to 6 sets of dishes. The size (width * depth * height: 550mm * 500mm * 436mm) can easily fit in any corner of the kitchen, and it's recommended to locate at which the water hose connection is accessible.

Specification

Rating voltage:	220~240V / 50Hz
Heater elements:	1200W
Water pressure:	0.04~1.0MPa
Water temperature:	Colder water
Capacity:	6 settings

Control Panel Features



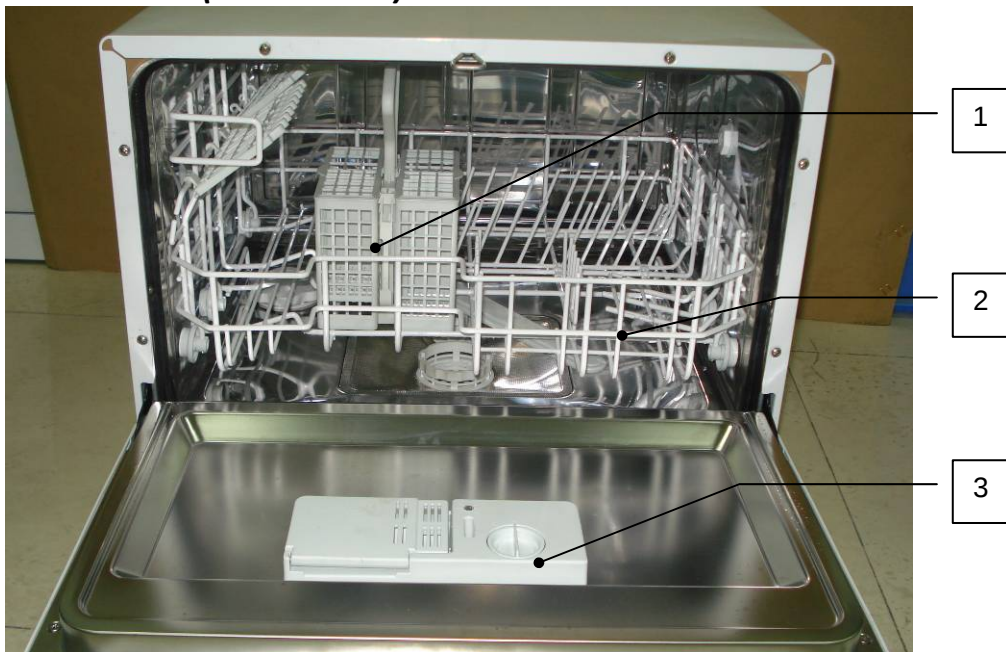
- 1** Power Button To turn on/off the power supply
- 2** Power Light : To be on when the ON/OFF Button is Pressed down
- 3** Washing Program Selector: To press the button to select wash cycles
- 4** Start/Reset Button Press this button to start or pause the dishwasher
- 5** Delay Button : To press the button to delay time (0~24hours)
- 6** 3in1 function Button: To press the button When you need no salt and rinse aid but 3in1 tablet (Only for program: **Intensive/ Normal Eco**)
- 7** Child lock function To press 3in1 function button and delay button at the same time
- 8** Display: To show delay time salt warming rinse-aid warming countdown of washing cycle's time program what you selected, child lock function 3in1 function and so on.

Component Locator Views

Front View



Interior View (with basket)



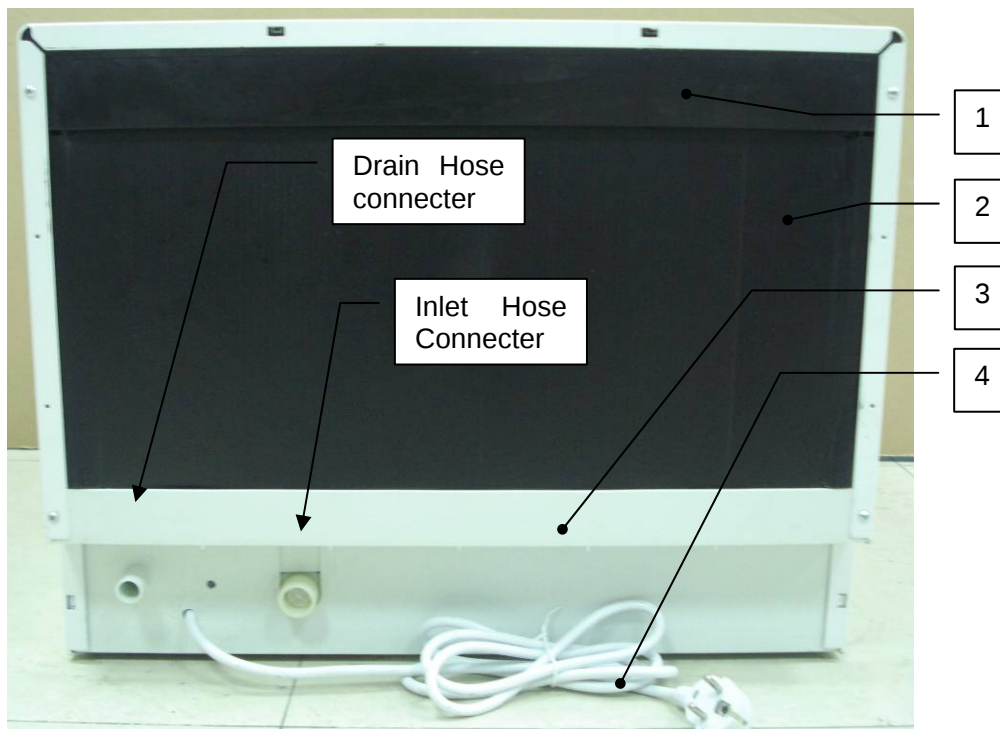
Part Name: 1 – cutlery basket 2 – basket 3 – dispenser

Interior View (With Basket Removed)



Part Name: 1 – Nut of air breather 2 – Nut of siphon 3 – Cover of softener
4 – Sprayer 5 – Filter System

Back View



Part Name: 1 – Backboard 2 – Hollow plate 3 – Bottom board 4 – Power cord

Dishwasher Components

Note: Throughout this manual, features and appearance may vary from your model.

WARNING: Always turn off the electric power supply before servicing any electrical component, making ohmmeter checks, or replacing any parts.

Note: All voltage checks should be made with a voltmeter having a 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

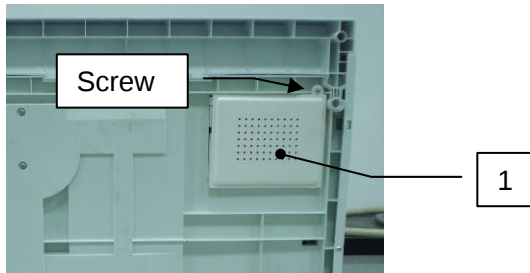
The main control board controls all electrical elements in dishwasher machine. It located in the protecting box in bottom of dishwasher machine. And it easy is replaced cannot work.



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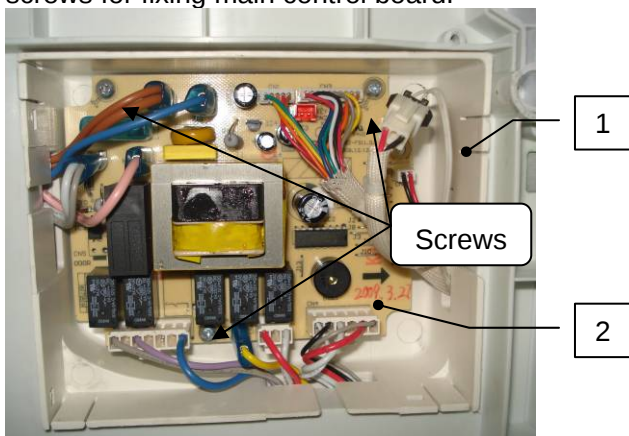
Removal and Replacement

1. Disconnect power supply.
2. Take off **cutlery basket, basket and filter system.**
3. Turn the dishwasher machine. And remove all screw for fixing cover of protecting box.



Part Name: 1 – cover of protecting box

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



Part name: 1 – protecting box 2 – main control board

Note: mark all housings and terminals' positions and colors before pulling out them.

Note: some terminals are locking terminals.

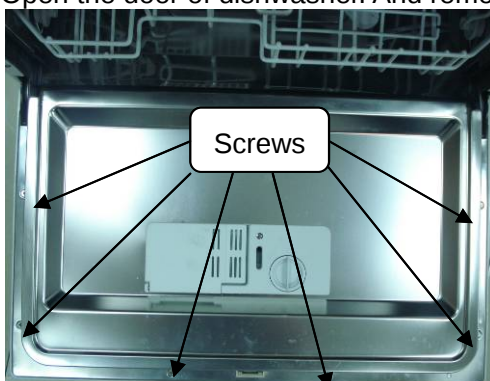
5. Reverse the above procedure to install. And check out all connectors connects well.

Outer Door

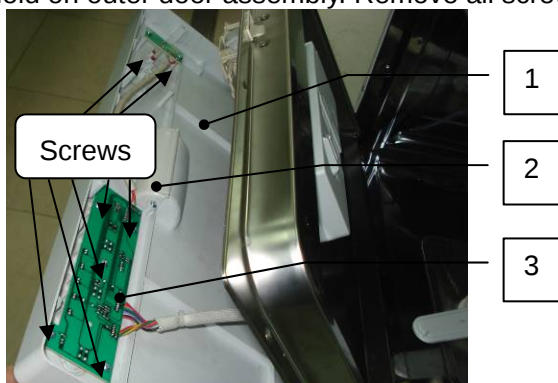
The outer door covers the door to the dishwasher and protects the detergent dispenser.

Removal and Installation

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



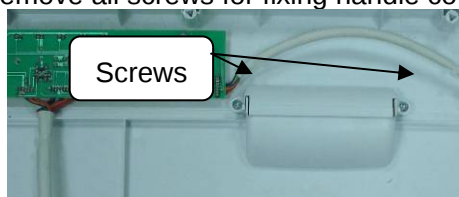
2. Hold on outer door assembly. Remove all screws for fixing the operating board.



Part Name: 1 – outer door 2 – handle cover 3 – operating board

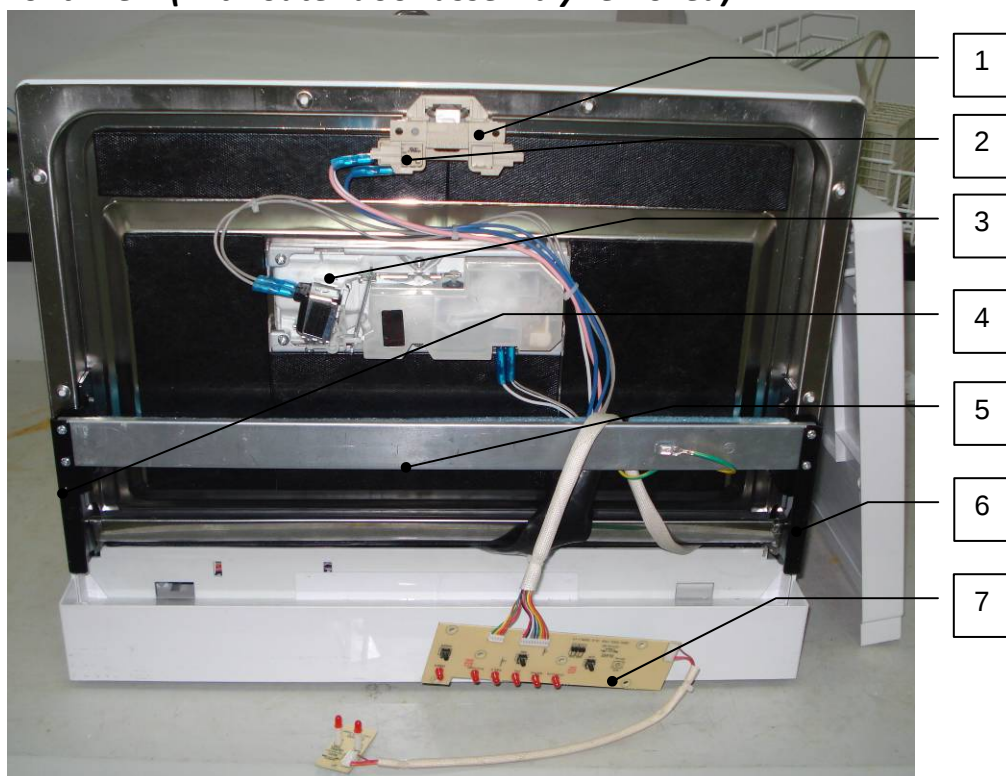
Caution: Inner door of edges are sharp. Some corners and edges of parts are sharp.

3. Remove all screws for fixing handle cover.



4. Reverse the above procedure to install. And check out all connectors connects well.

Front View (with outer door assembly removed)



Part Name: 1 – door handle assembly 2 – microswitch (Door handle assembly)
3 – dispenser 4 – door hinge (right) 5 – Rod for door hinges
6 – door hinge (left) 7 – operating board

Dispenser

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

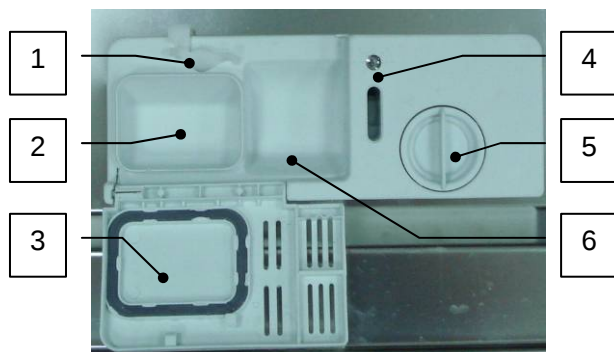
The first time, the dispenser is activated, **the lever** slides up the right-hand path of **the connecting rod**. This action moves **the cover catch** and releases the detergent cover. When deactivated, the lever resets to rest under the notch in the center of **the**



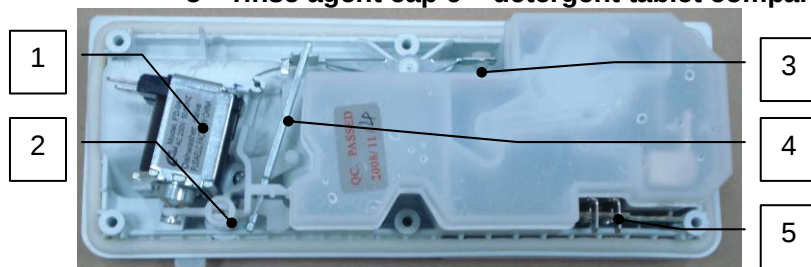
detergent dispenser is

slides up the

connecting rod. When activated for 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 its original starting position. **The magnetic sensor** is connected to rinse aid warning light at control panel by wires. When the indicator lights up, it should add more rinse aid.



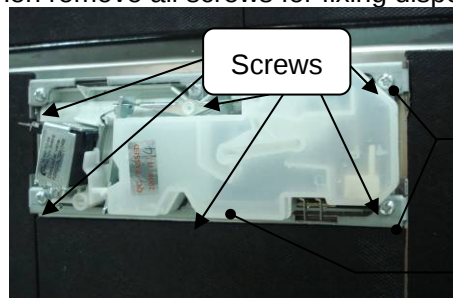
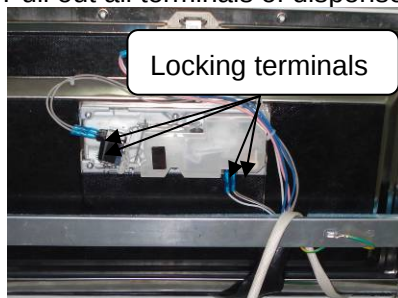
Part Name: 1 – cover catch 2 – detergent power compartment
3 – cover 4 –sight glass
5 – rinse agent cap 6 – detergent tablet compartment



Part Name: 1 – electromagnetic valve 2 – lever
3 – plunger 4 – connecting rod
5 – 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.



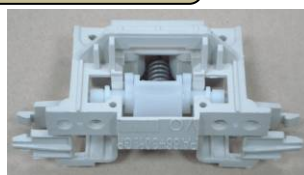
Part Name: 1 – dispenser brackets 2 – dispenser

5. Reverse the above procedure to install. And check out all connectors connects well.

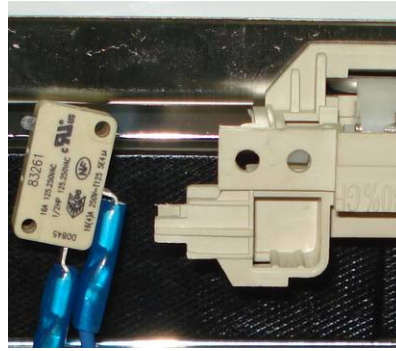
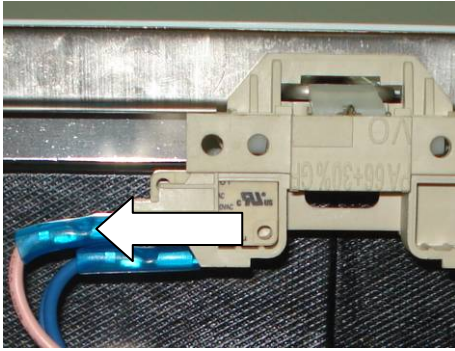
Door Handle Assembly

Removal and Replacement

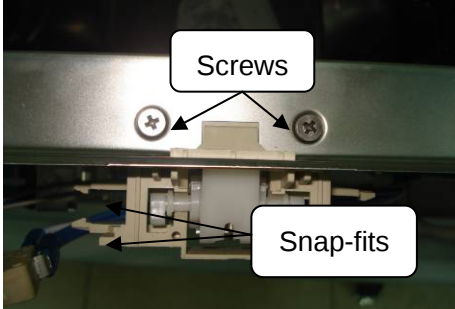
1. Disconnect power supply.
2. Remove outer door assembly. (see **outer door** removal and installation)
3. Unfit all snap-fits of outer door assembly for fixing microswitch (door handle assembly). And pull out microswitch (door handle assembly).



Note: Don't pull out all terminals of microswitch (door handle assembly)



4. Remove all screws for fixing door handle assembly.



5. Reverse the above procedure to install. And check out all connectors connects well.

Microswitch (door handle assembly)

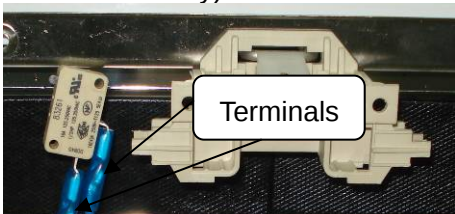
The microswitch connects a forceful electric power. All the dishwasher are series connection with microswitch. microswitch closes, the dishwasher machine is stopped.

Removal and Replacement

1. Disconnect power supply.
2. Remove outer door assembly. (see **outer door** removal and installation)
3. Pull out microswitch (door handle assembly). Then pull out all terminals of microswitch (door handle assembly)



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4. Reverse the above procedure to install. And check out all connectors connects well.

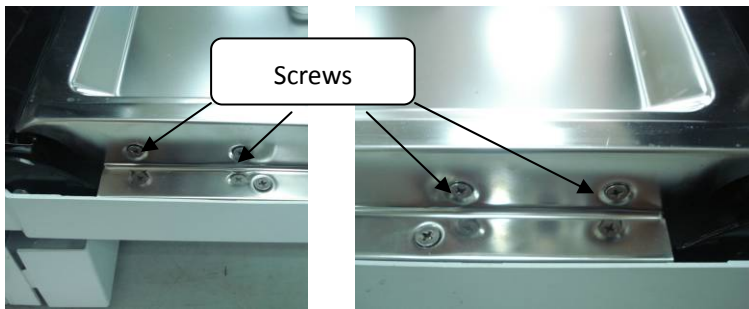
Inner Door

Caution: Inner door of edges are sharp.

Removal and Replacement

1. Remove outer door assembly. (see **outer door** removal and installation)
2. Pull out all terminals of dispenser and microswitch (include some locking terminals). (see **dispenser** removal and replacement, and **microswitch (door handle assembly)** removal and replacement)
3. Remove all screws for fixing inner door.





4. Remove dispenser. (see **dispenser** removal and replacement)
5. Remove door handle assembly. (see **door handle assembly** removal and replacement)
6. Reverse the above procedure to install. And check out all connectors connects well.

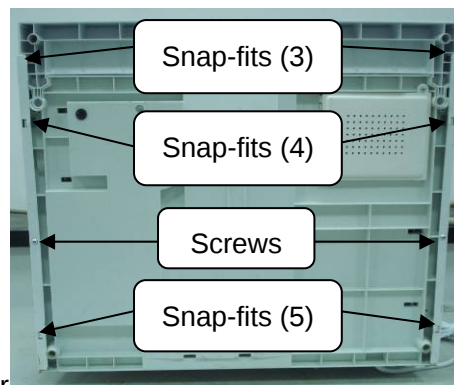
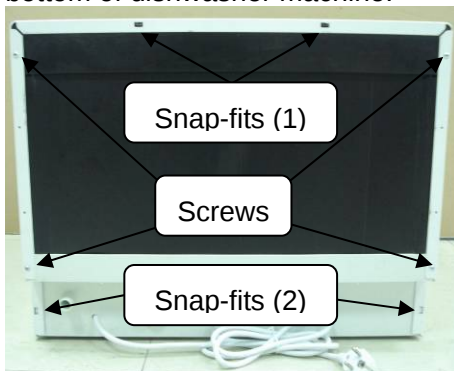
Shell

Removal and Installation

1. Take off **cutlery basket**, **basket** and **filter system**.
2. Remove all screws for fixing shell with tank assembly in the front of dishwasher machine.



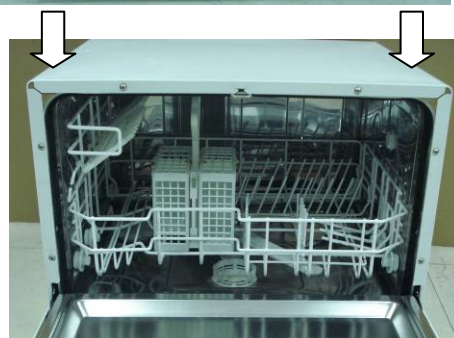
3. Remove all screws for fixing shell with backboard and bottom board in the rear of dishwasher machine.
4. Turn the dishwasher machine. Remove all screws for fixing shell with bottom board in the bottom of dishwasher machine.



5. Unfix all snap-fits for fixing shell with other parts. Include two snap-fits of backboard (1), two snap-fits of washboard (3), and six snap-fits of bottom board (2), (4) and (5).

Tips: If you press edges of shell like illustrator, you can easy unfix all snap-fits removing all screws that fix shell with parts.

6. Reverse the above procedure to install. And check out all connectors connects well.



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Back View (with shell removed)

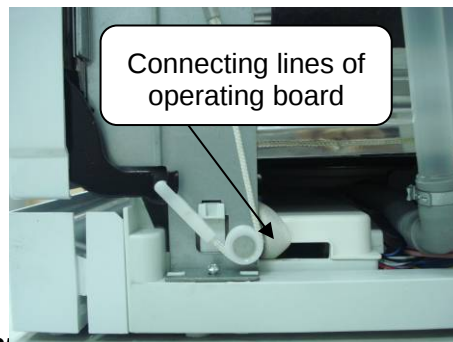


Part Name: 1 – corner board 2 – absorber 3 – backboard 4 – hollow plate

Operating board

Removal and Replacement

1. Disconnect power supply.
2. Remove **shell**. (see **shell removal and installation**)
3. Take out two **corner boards**, **absorber sound**, **backboard**, **hollow plate**.
4. Remove all screws for fixing cover of protecting box. (see **main control board removal and replacement**)
5. Put out all housings for connecting operating board.
6. Then take out connecting lines of operating board from protecting box.

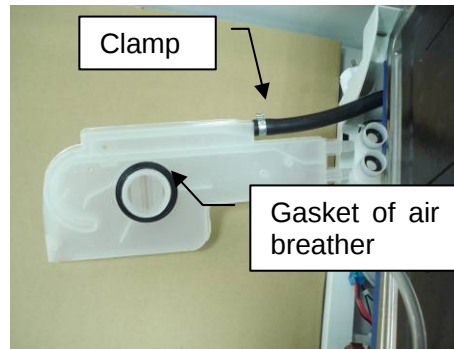


7. Remove outer door assembly. (See **outer door removal and installation**)
8. Remove all screws for fixing operating board.
9. Reverse the above procedure to install. And check out all connectors connects well.

Air Breather Assembly

Removal and Replacement

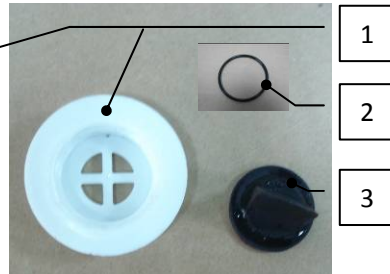
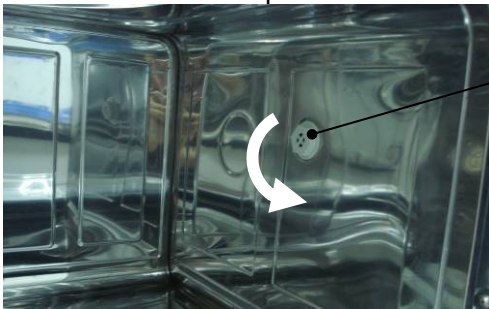
1. Remove **shell**. (see **shell removal and installation**)
2. Take out two **corner boards**, **absorber sound**, **backboard**, **hollow plate**.
3. Contrarotate nut of air breather. Take out air breather gasket.
4. Take out gasket of air breather, and remove clamp for fixing connecting hose to air breather.
5. Reverse the above procedure to install.



Siphon

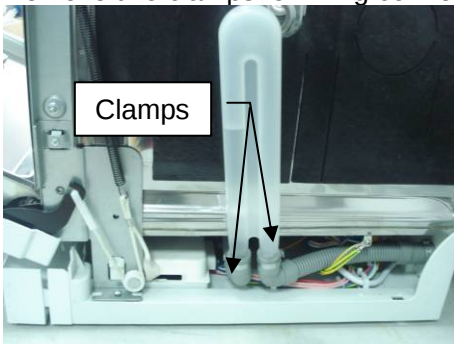
Removal and Replacement

1. Remove **shell**. (see **shell** removal and installation)
2. Take out two **corner boards**, **absorber sound**, **backboard**, **hollow plate**.
3. Contrarotate nut of siphon. Take out one way valve and gasket of siphon.



Part name: 1 – nut of siphon 2 – gasket of siphon 3 – one way valve

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



5. Reverse the above procedure to install.

Pressure switch

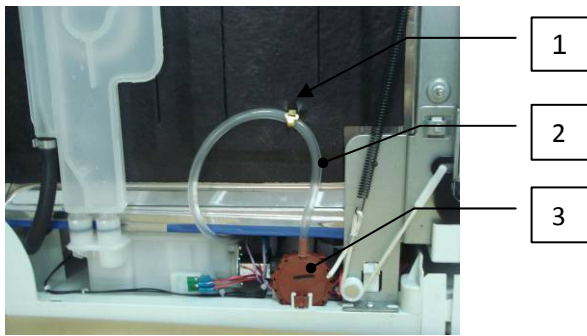
As the dishwasher basin fills with water, the air pressure in the switch hose increases. When the pressure reaches the aim of switch will act and give a signal to main control board. Then will be work.

Removal and Replacement

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



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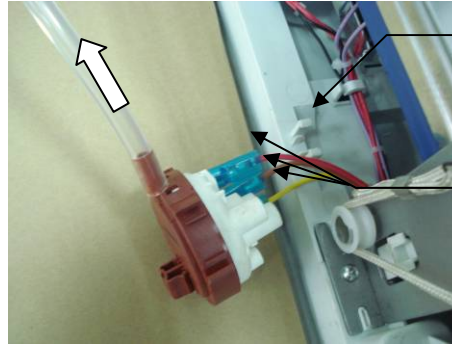


Part name: 1 – sheet copper 2 – pressure switch hose 3 – pressure switch

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 terminals' colors and positions.

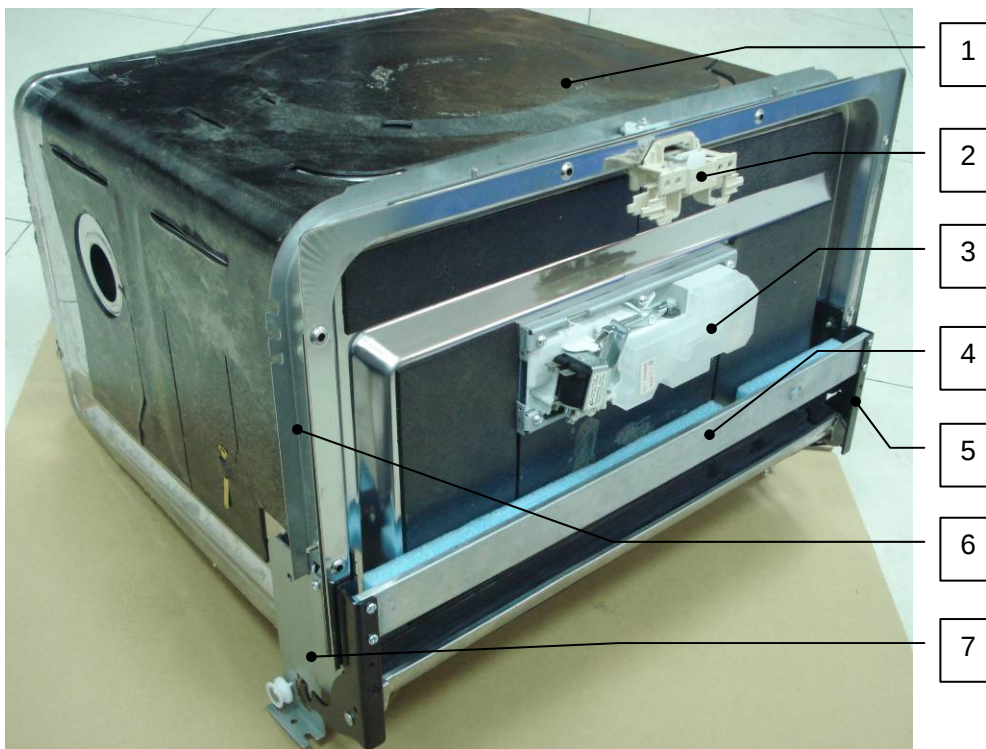
5. Reverse the above procedure to install. And check out all connectors connects well.



Snap-fits of bottom board

Locking terminals

Tank assembly



**Part Name: 1 – tank 2 – door handle assembly 3 – dispenser
4 – rod for door hinges 5 – right front chamber bracket
6 – strengthen muscle 7 – left front chamber bracket**

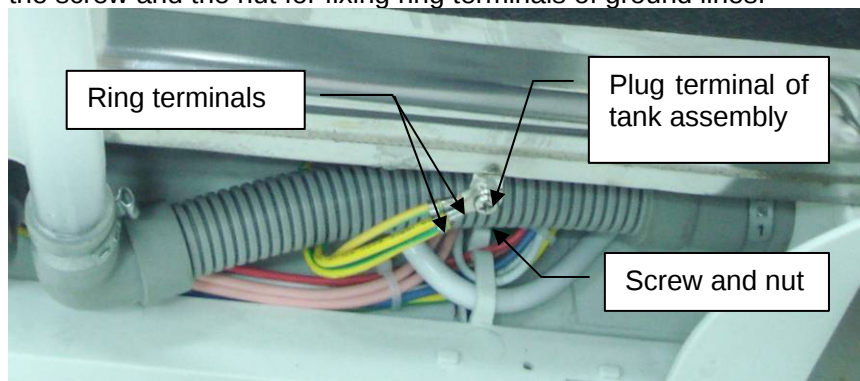
Removal and Installation

1. Take off **cutlery basket**, **basket** and **filter system**.
2. Remove **shell**. (see **shell removal and installation**)
3. Take out two **corner boards**, **absorber sound**, **backboard**, **hollow plate**.
4. Remove all screws for fixing cover of protecting box cover. Put out all housings for connecting operating board. Take out connecting lines of operating board from protecting box. (see **operating board removal and replacement**)
5. Remove outer door assembly (with operating board). (See **outer door removal and installation**).

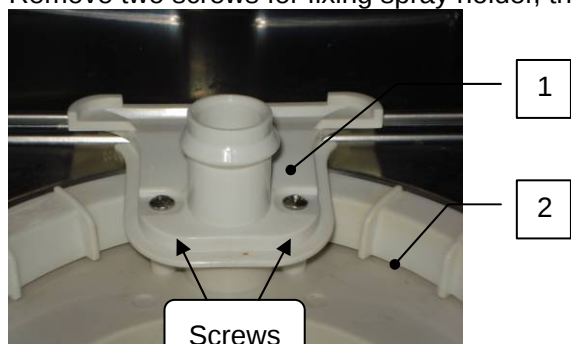
6. Put out all terminals for connecting Microswitch (door handle assembly), dispenser and rod for door hinges. Take out all connecting lines from inner door.

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. (see **pressure switch removal and replacement**)
9. Remove two screws for fixing spray holder, then take out the spray holder.



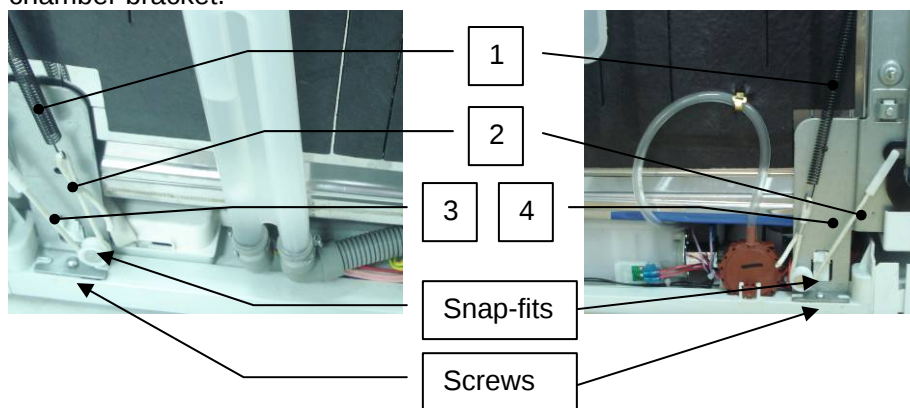
Part name: 1 – sprayer holder 2 – nut of sump assembly

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



**Part name: 1 – nut of air breather 2 – nut of siphon
3 – nut of water softener 4 – nut of sump assembly**

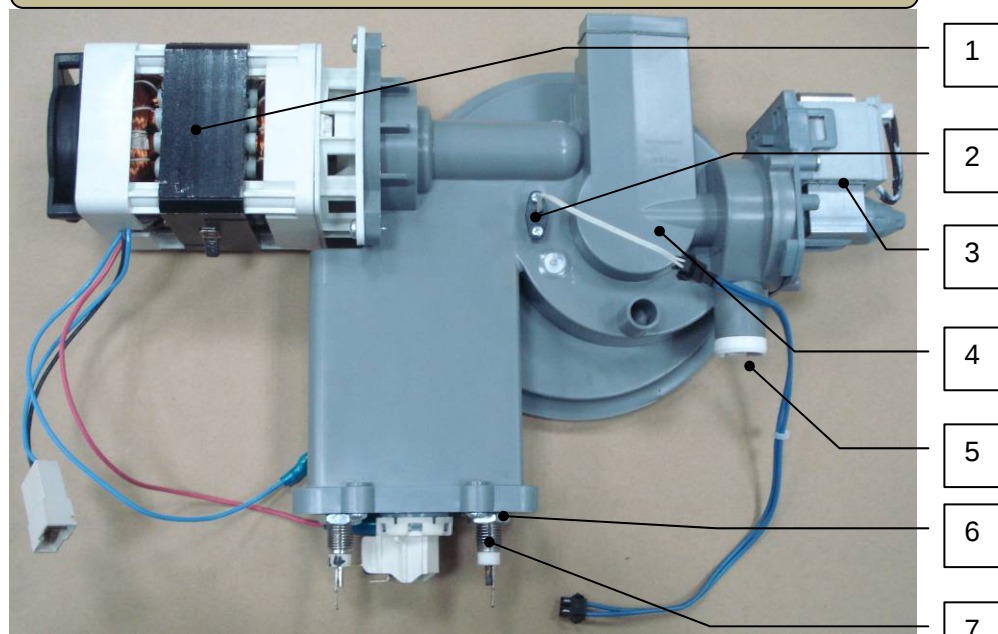
11. Take out door springs and connecting lines for connecting spring to door assembly.
12. Remove all screws for fixing right and left front chamber bracket. Take out the tank assembly, at the same time unfix the snap-fits of bottom board for fixing right and left front chamber bracket.



Part name: 1 – springs 2 – connecting lines
 3 – right front chamber bracket
 4 – left front chamber bracket

13. Reverse the above procedure to install. And check out all connectors connects well.

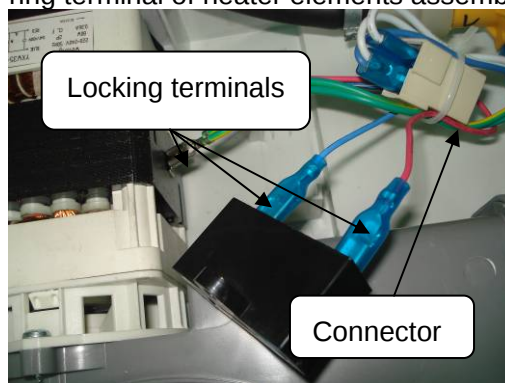
Sump assembly

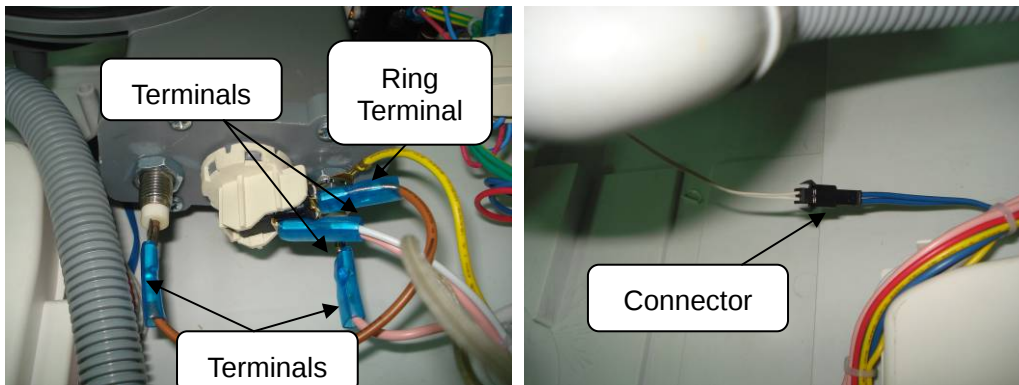


Part Name: 1 – motor pump assembly 2 – thermal resistor
 3 – drain pump assembly 4 – sump 5 – check plate holder
 6 – heater elements support assembly
 7 – heater elements assembly

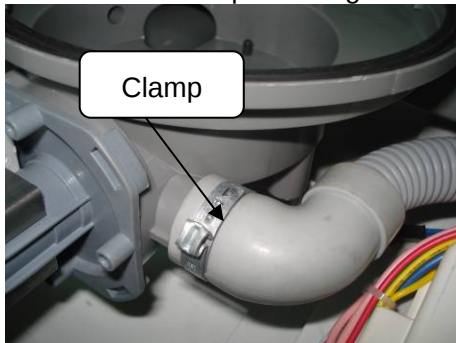
Removal and Installation

1. Take off **cutlery basket**, **basket** and **filter system**.
2. Remove **shell**. (see **shell removal and installation**)
3. Take out two **corner boards**, **absorber sound**, **backboard**, **hollow plate**.
4. Remove tank assembly. (see **tank assembly removal and installation**)
5. Pull out all terminals and housings of sump assembly; include two terminals for connecting drain pump assembly, three locking terminals and one connector for connecting motor pump assembly, two terminals for connecting heater elements, two terminals for connecting heater elements support assembly. And unfix connector of thermal resistor. Remove nut and take out a tooth lock washer and one ring terminal of heater elements assembly.





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

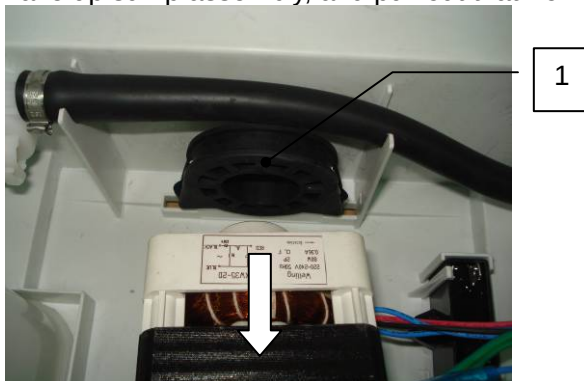


7. Pull out hose for connecting water softener to sump assembly. And pull out pressure switch hose.



Part name: 1 – connecting hose (water softener)
2 – Pressure switch hose

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



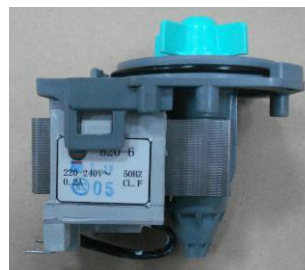
Part name: 1 – motor vibration-proof pad

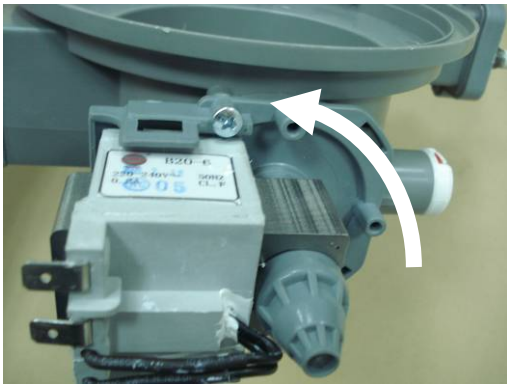
6. Reverse the above procedure to install. And check out all connectors connects well.

Drain pump assembly

Removal and replacement

1. Take out sump assembly. (see **sump assembly removal and installation**)
2. Remove all screws for fixing drain pump assembly. And contrarotate the drain pump assembly to take out that.



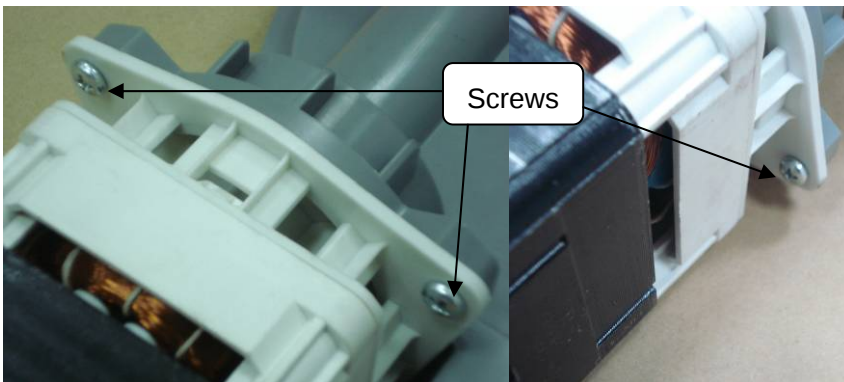


3. Reverse the above procedure to install. And check out all connectors connects well.

Motor pump assembly

Removal and replacement

1. Take out sump assembly. (see **sump assembly removal and installation**)
2. Remove all screws for fixing sump pump assembly.



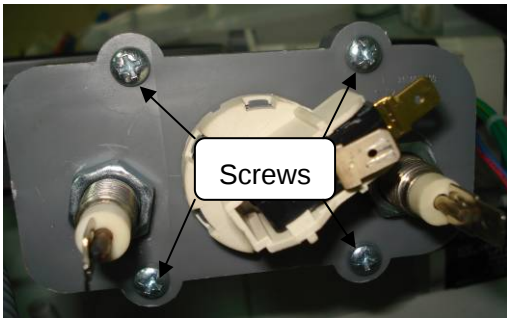
3. Replace a new motor pump assembly.
4. Reverse the above procedure to install. And check out all connectors connects well.

Heater elements assembly

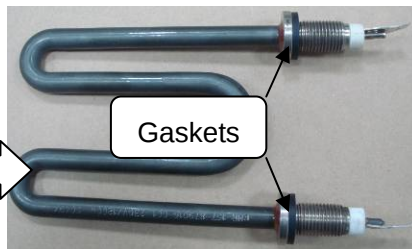
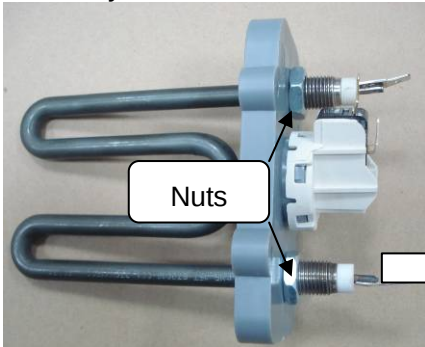
Removal and replacement

1. Take out sump assembly. (see **sump assembly removal and installation**)
2. Remove all screws for fixing heater elements assembly. Take out heater elements assembly and heater elements support assembly.





3. Remove all nuts for fixing heater elements assembly. Then take out two gaskets of heater elements assembly.

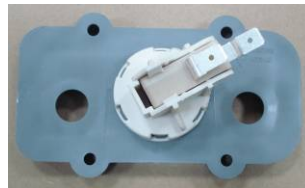


4. Reverse the above procedure to install. And check out all connectors connects well.

Heater elements support assembly

Removal and replacement

1. Take out sump assembly. (see **sump assembly removal and installation**)
2. Remove heater elements assembly. (see **heater elements assembly removal and replacement**)
3. Take out gasket of heater elements support assembly.

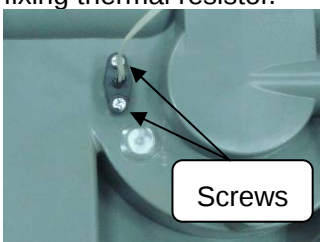


4. Reverse the above procedure to install. And check out all connectors connects well.

Thermal resistor

Removal and replacement

1. Take out sump assembly. (see **sump assembly removal and installation**)
2. Turn the sump assembly, and remove all screws for fixing thermal resistor.



3. Reverse the above procedure to install. And check out all connectors connects well.

Check plate

Removal and replacement

1. Take out sump assembly. (see **sump assembly removal and installation**)
2. Pull out check plate holder assembly.



3. Pull out check plate from check plate holder, and replace a new check plate.
4. Reverse the above procedure to install. And check out all connectors connects well.

Flowmeter

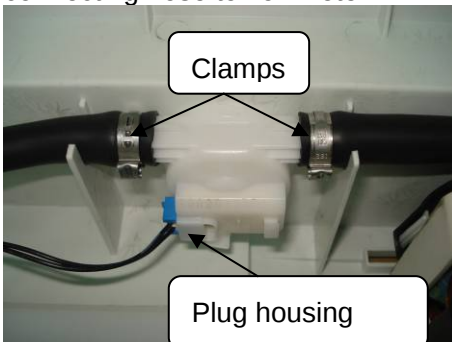
Flowmeter is an instrument for monitoring, measuring the rate of flow. Main board control inlet valve to be on / off according signal of flowmeter.

Removal and Installation

1. Take off **cutlery basket, basket and filter system**.
2. Remove **shell**. (see **shell removal and installation**)
3. Take out two **corner boards, absorber sound, backboard, hollow plate**.
4. Remove tank assembly. (see **tank assembly removal and installation**)
5. Take out plug housing for male terminal. Remove all clamps for fixing connecting hose to flowmeter.



control



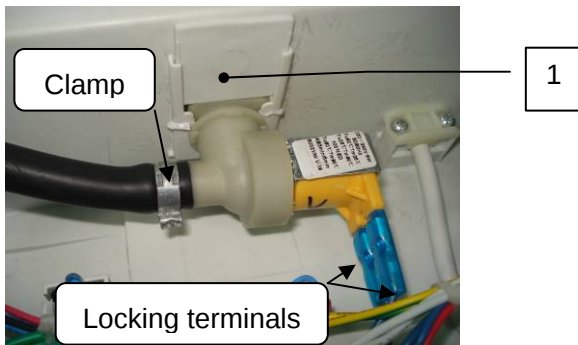
6. Reverse the above procedure to install. And check out all connectors connects well.

Inlet valve

Removal and Replacement

1. Take off **cutlery basket, basket and filter system**.
2. Remove **shell**. (see **shell removal and installation**)
3. Take out two **corner boards, absorber sound, backboard, hollow plate**.
4. Remove tank assembly. (see **tank assembly removal and installation**)
5. Remove two locking terminals for connecting inlet valve. Then take out Inlet valve block for inlet valve, and then take out inlet valve. Remove clamp for fixing connecting hose to inlet valve.

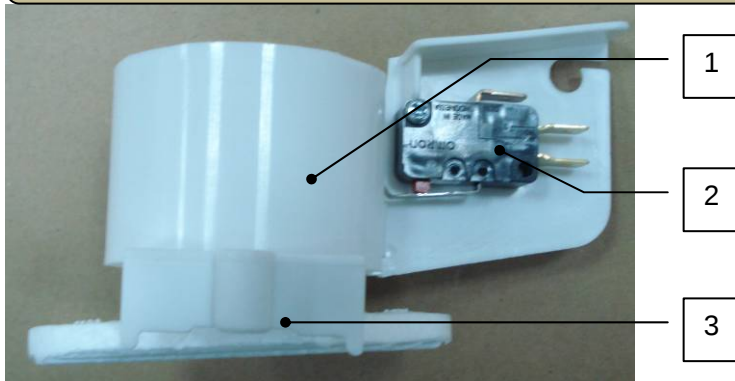




Part name: 1 – Inlet valve block

6. Reverse the above procedure to install. And check out all connectors connects well.

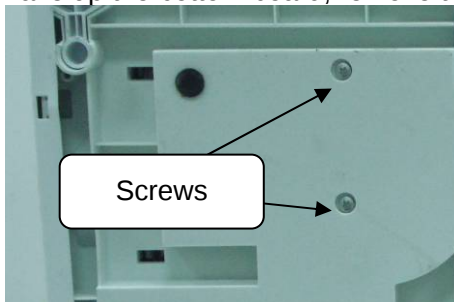
Floater assembly



Part name: 1 – floater holder 2 – microswitch (floater assembly) 3 – floater

Removal and Installation

1. Take off **cutlery basket, basket** and **filter system**.
2. Remove **shell**. (see **shell removal and installation**)
3. Take out two **corner boards, absorber sound, backboard, hollow plate**.
4. Remove tank assembly. (see **tank assembly removal and installation**)
5. Take up the bottom board; remove two screws for fixing floater assembly.



6. Pull out all locking terminals for connecting Microswitch (floater assembly).
7. Reverse the above procedure to install. And check out all connectors connects well.

Microswitch (floater assembly)

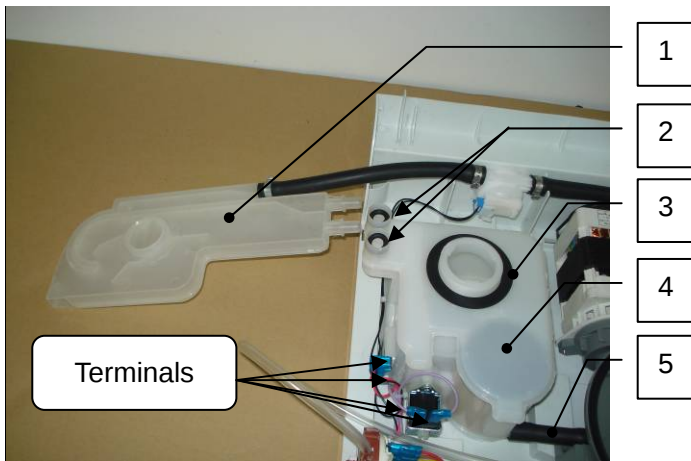
Removal and Replacement

1. Remove floater assembly. (see **floater assembly removal and installation**)
2. Pull out all locking terminals for connecting Microswitch (floater assembly).
3. Remove one screw for fixing Microswitch (floater assembly).
4. Replace a new Microswitch (floater assembly)
5. Reverse the above procedure to install. And check out all connectors connects well.



Water softener

Water softener is an instrument for softening hard water in some location.



Part name: 1 – air breather 2 – O ring 3 – gasket of water softener
4 – water softener 5 – connecting hose (water softener)

Removal and replacement

1. Take off **cutlery basket, basket** and **filter system**.
2. Remove **shell**. (see **shell** removal and installation)
3. Take out two **corner boards, absorber sound, backboard, hollow plate**.
4. Remove tank assembly. (see **tank assembly** removal and installation)
5. Pull out the air breather, take out two O rings
6. Take out gasket of water softener (2), and pull out connecting hose (water softener).
7. Pull out all terminals for connecting water softener.
8. Reverse the above procedure to install. And check out all connectors connects well.

Note: only use for some model have water softener.

Troubleshooting

SYMPTOM	CHECK FOR THE FOLLOWING	REMEDY
3 in 1 lamp twinkle (Dishwasher will not fill with water or will not fill properly.)	The water supply is turned off.	Turn the water supply on.
	Defective water fill valve.	Replace the water fill valve.
	Low water pressure.	Minimum water pressure of 20 PSI.
	Obstructed water fills valve or hose.	Disassemble and clean the water fill valve and hose.
	Damaged or defective wiring.	Repair the wiring.
	Defective pressure switch for high water level safeguard.	Replace the pressure switch.
	Defective flowmeter.	Replace the flowmeter
	Heavy water usage elsewhere in home.	Use dishwasher when water usage is at a minimum.
	Defective PCB assembly	Replace the PCB assembly
Dishwasher will not pump out.	Defective drain pump.	Replace the drain pump.
	Obstructed drainhose	check the drainhose
	Defective PCB assembly	Replace the PCB assembly
	Damaged or defective wiring.	Repair the wiring.
Dishwasher runs but. will not heat.	Low input voltage.	The lowest input voltage is 198V
	Defective Thermal resistor	Replace the Thermal resistor
	Damaged or defective wiring.	Repair the wiring.
	Too little water fill.	See "Too little water fill."
	Defective micro-switch of heater elements support assembly.	Replace the heater elements support assembly.
	Defective heater element.	Replace the heater element.
Glass lamp twinkle (overfall alarm)	Defective micro-switch for overfall safeguard	Replace the micro-switch
	Damaged or defective wiring.	Repair the wiring.
	Defective PCB assembly	Replace the PCB assembly
	Water leaks from dishwasher.	See "Water leaks from dishwasher"
Do not work when press start	The door not close well	close the door
	Defective door switch contacts.	Replace the door switch.
	Defective door handle assembly.	Replace the door handle assembly.
	Damaged or defective wiring.	Repair the wiring.
	Defective PCB assembly	Replace the PCB assembly
Too little water fill.	Dishwasher not level.	Level the dishwasher.
	Defective flowmeter.	Replace the flowmeter
	Clogged filter assembly.	Clean the filter assembly.
	Water siphons out	Clean or Replace the One way valve
	Defective pressure switch.	Replace the pressure switch.
Dishwasher runs with door open.	Defective door switch contacts.	Replace the door switch.
	Defective door handle assembly.	Replace the door handle assembly.
	Damaged or defective wiring.	Repair the wiring.
	Defective PCB assembly	Replace the PCB assembly
Motor hums but will not start or run.	Defective motor bearings.	Replace the motor.
	Defective motor capacitor.	Replace the motor capacitor.
	Damaged or defective wiring.	Repair the wiring.
	Improper motor voltage.	Replace the motor.
Motor trips out on internal thermal overload protector	Motor windings shorted.	Replace the motor.
	Improper motor voltage.	Replace the motor.
	Defective motor capacitor.	Replace the motor capacitor.
	Defective motor bearings.	Replace the motor.
Repeated dishwasher	Defective PCB assembly	Replace the PCB assembly

cycles.		
Water remains in bottom	A small amount of water (in sump area) is normal.	This is necessary to keep the pump primed and is drained automatically at the beginning of each cycle.
	Defective drain pump	Replace the drain pump.
	Defective Check plate	Clean or Replace the Check plate
	Defective One way valve	Clean or Replace the One way valve
Spotting or filming on glasses (reposition of food soil).	Detergent allowed to stand too long in the dispenser or excessive amounts of detergent are being used.	Instruct the customer on proper use of dishwasher detergent. Refer to the owner's manual.
	Improper loading of dishes, pots, pans, and nesting of silverware.	
Noisy pump assembly.	Debris in bottom of tub sump area.	Clean out the sump area.
	Pump parts were not properly installed.	Inspect the pump and correct and installation errors.
	Impellers are not properly shimmed or are rubbing.	Use the shim guage furnished in the impeller seal kit. When the seal is properly shimmed the impellers will be in the correct operating position.
Poor washability.	Clogged filter assembly.	Clean the filter assembly.
	Dishware stop the sprayer	revolve the sprayer before wash.
	Improper loading of dishes, pots, pans, and nesting of silverware.	Refer to the owners manual.
	Little detergent/rinse module	
	Select improper program	
	Defective detergent/rinse module	Replace the detergent/rinse module.
	Defective spray arm.	Check spray arm for proper rotation.
	Too little water fill.	See "Too little water fill" symptom.
	Defective motor pump	Replace the motor pump
Poor drying of dishes	Improper loading of dishes, pots, pans, and nesting of silverware.	Instruct the customer on proper loading of the dishwasher. Refer to the owners manual.
	Select improper program	
	Defective dispenser	Replace the dispenser
Water leaks from dishwasher.	Too much water fill.	See previous symptom.
	Defective tub seal.	Replace the tub seal.
	Defective softener gasket.	Replace softener gasket.
	Defective drain pump	Replace the drain pump
	Dishwasher not level.	Level the dishwasher.
	Soap suds leak from dishwasher.	Refer to use and care manual.
	Loose hose clamps.	Tighten or replace hose clamps.
	Loose heater element.	Tighten heater element mounting nuts.
	Defective sump seals.	Replace the sump seals.
	Motor and drain pump assembly not seated properly with sump.	Remount the motor and drain pump assembly.
	Defective Heater elements support assembly seals.	Remount Heater elements support assembly.