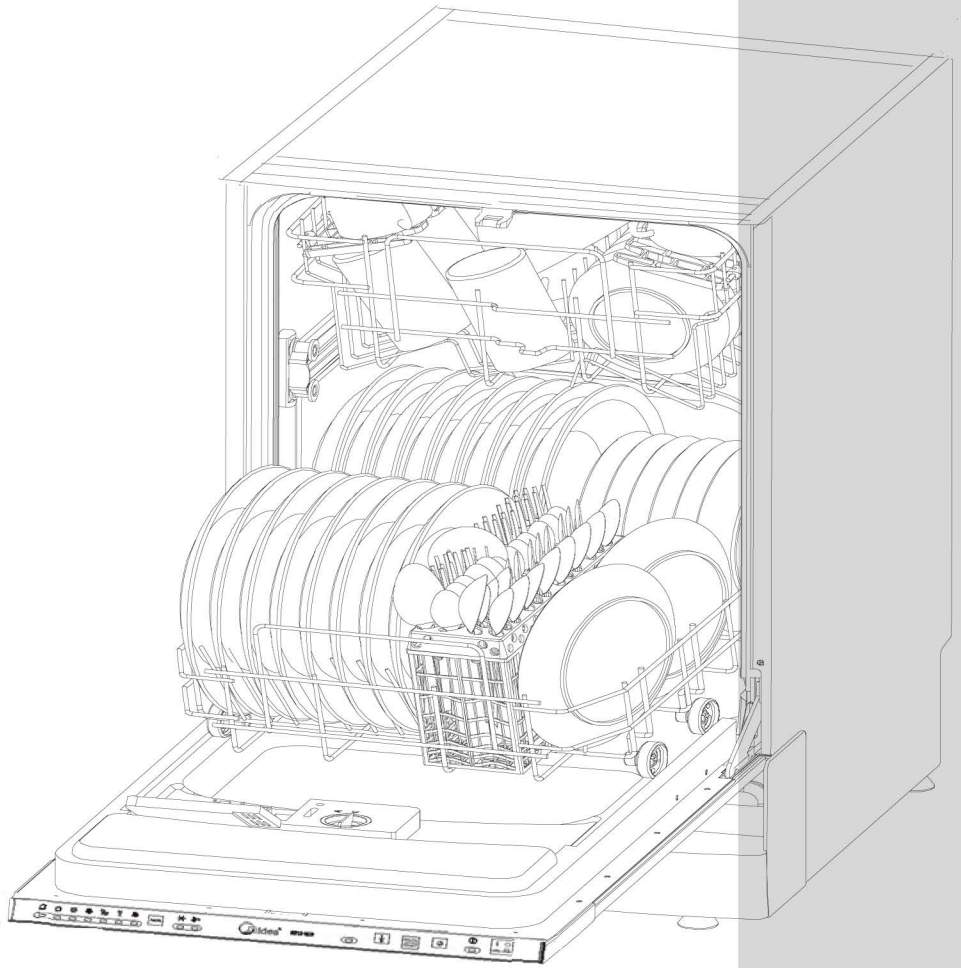
Dishwasher Installation and Maintenance Instructions



LF674WN, SSN.

Content List

Chapter I Installation

1.1 Safety Instruction

After unpacking, the appliance should be checked to see if there is any damage to it.
The dishwasher is intended to wash dishes and plates by adults.
When using the dishwasher , some basic principals should be followed:
1) Extended power cord and adaptor should not be used.
2) The power cord should not be too long or knotted.
3) Switch off the power before making any repair of the dishwasher.
Children should be kept away from the detergent and the opened dishwasher.
Then dishwasher should not be installed in an unsheltered place or exposed to the rain or other natural environment.
Never touch the heating element during or immediately after use.
The dishwasher should not be lean on or sit on when it is open, otherwise it will be overturned.
If the dishwasher malfunctions, turn off the water inlet and cut off the power before you read the instruction of Chapter Ⅱ. If the problems cannot be solved by yourself, please contact the professional technicians.
The dishwasher could not be repaired by unprofessional personnel with non-original spare parts.
It is recommended that if the dishwasher will not be used for a long time, it should be cut off the water inlet, remove the plug and keep the door of dishwasher ajar.

1.2 Installation Instruction

Unpacking

1) Removing the packing accessories, please pay attention that the plastic bag should be out of the reach of children.

2) Open the door of the dishwasher to check the baskets are placed in the proper place (manufactures may fix the baskets by some simple ways for the sake of safety).

Locate the dishwasher

1) The dishwasher should be kept away from heating resources and not be exposed to the sun to prevent its coating from fading or falling off.

2) The back of the dishwasher should rest against the wall behind it and the sides, along the adjacent cabinets or wall. The water supply and drain hose of the dishwasher could be positioned to the right of the left to facilitate proper installation.

3) The dishwasher should be built in the cabinet and fixed it on the cabinet by two screw.

Installation steps

1) Install the aesthetic pannel on the outer door of the dishwasher.

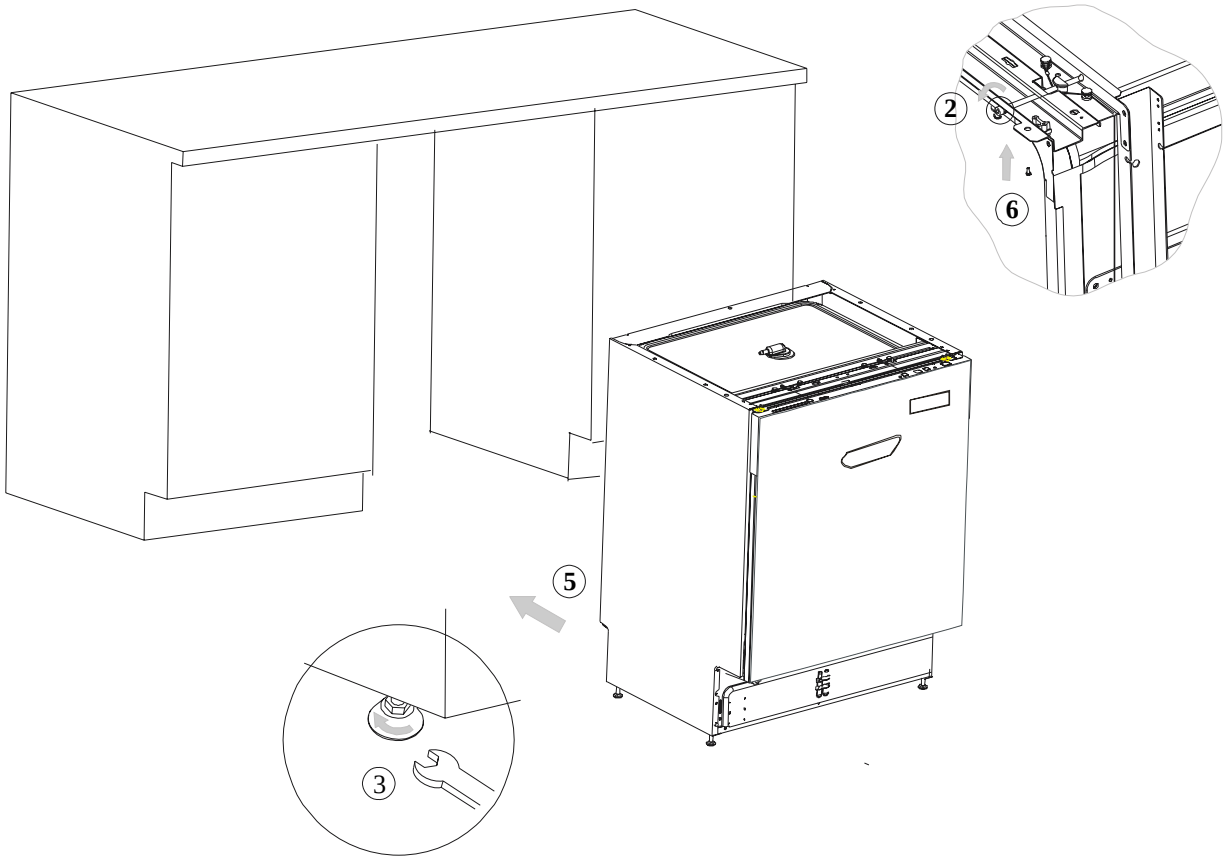
2) Adjust the tension of door spring.

3)level the dishwahser and touch the cabinet by adjusting the four leveling legs individually.

4) Connect the inlet, and drain hoses, and power cord .

5) pushing the dishwasher into the cabinet.

6)fixing the dishwasher into the cabinet by two countersunk head screw.



Installation steps

When you want more particular content about installation, please to see the installation manual we edited.

Chapter II Maintenance

2.1 Foreword

Before any repair service, you should check:

a) Whether the dishwasher is properly installed according to the installation manual.
b) Whether the damaged components have been repaired or not.
c) Whether the charging hose and the drain hose are properly installed.
d) Whether the dishwasher is level or not.
e) Whether there is salt in the water softener.
f) Whether there is rinse agent in the dispenser.

The circuit board is the centrum of the whole control system of the dishwasher. When dishwasher is washing though a information comes to the circuit, then the circuit delivers various dictate to every department of dishwasher to keep the dishwasher moving. the dishwasher move with a arranged program. If you know the program and structure of the dishwasher, the below table shoule be helpful to establish a resolve to any problems occurred.

2.2 Troubleshooting

Questions put forward by users	By misusage of users	The problems of the dishwasher itself
The dishwasher does not start	* Something wrong with the socket * No water (the water valve is closed) * Improper electrical connection * The door is not properly closed * Incorrect position of charging hose	* Power cord * "ON/OFF" switch * Door switch * Water inlet valve * Pressure switch * Aqua–stop switch
Water floods in the dishwasher		* Air leakage of the chamber * The hose of pressure switch * Pressure switch * Water inlet valve
The dishwasher does not heat		* Malfunction of heating element * The circuit is not properly contacted * Malfunction of the thermocouple
No water comes into the dishwasher	* Water supply is cut off * The filter of the water inlet valve is clogged.	* Connection to the inlet valve is broken or damaged. * Electrical connection is cut off. * Pressure switch * Aqua–stop switch * The softener is blocked.

The dishes are not clean enough after washing	* The filter is clogged. * Unqualified detergent or the dosage in the container is not correct. * No salt in the softener * No rinse agent * Incorrect loading of dishes * Something wrong with the drain pipe in the home	* Flow and pressure of washing pump * Detergent is not released from dispenser * Heating element is not working * The nozzle is blocked by food particles * No water coming into the dishwasher * The dispenser malfunctions * something wrong with the pressure switch reducing water pressure
The dishwasher doesn't wash properly	* Wrong loading position of the dishes.	* Short circuit of startup capacitance * Washing motor is blocked or burnt * Pressure switch * Malfunction of the circuit board
The dishes are wet	* The customer chose the program without drying performance	*Thermocouple doesn't work properly * Heating element has malfunctioned * Something is wrong with the circuit board
The dishes are not completely dried	* Incorrect loading of the dishes * Earlier opening of the door * No rinse agent or the dosage is not enough * Incorrect program selection	* The passage of the air breather is blocked * The drain pump does not drain out water * Detergent is not released from the dispenser
Too much noise	* Incorrect loading of dishes	* Noise from washing pump * Noise from drain pump * Noise from water inlet valve *Noise from air breather
Electrical charges from dishwasher	* The electrical wire in the house is not earthed.	* Connection of the terminal box * Grounding of the heating element * Circuit and its components
Water leakage and flood of the dishwasher	* Too much detergent * Using the detergent not intended for use with dishwashers.	* Pressure switch * Door gasket * Water leakage of pipes, gaskets and bolts * Drain hose * Washing pump * Softener valve * Softener * Air breather

Unusuel smell in the dishwasher	* Food particles on the tub bottom * Food particles on the heating element * Plastic dishes used in the dishwasher	* The water temperature is too high when drying (overheating) * Thermocouple doesn't work properly
Long time for a washing cycle	* Inlet pressure is too low * Incorrect location of charging and drain hoses or they are bent * The filter of inlet valve is blocked	* The drain hose is crimped or bent * Malfunction of the drain pump * Infill of the inlet valve is blocked * Clog of the softener * Malfunction of the thermocouple
The detergent could not be released from the dispenser	* Bad quality of the detergent * The detergent is damped into blocks * Wrong location of the dishes	* The plug of detergent container could not be opened. * No action of the solenoid valve of electric feeding dispenser. * Malfunction of the electric circuit * Malfunction of the thermocouple
Dishwasher stops when cycling		* Electric circuit * Door switch * Pressure switch * The circuit board * Power switch
Dishes are damaged or glassware is broken	* The dishes are not suitable for washing in the dishwasher * The dishes are overturned * The washing temperature is not suitable for glassware	* Basket is damaged * Malfunction of the thermocouple
The dishwasher does not drain	* Block of drain hose	* Malfunction of drain pump * Improper connection of electric circuit * Malfunction of the thermocouple
Lime deposits form on the dishes	* Too much detergent	* Reduce the dosage
The dishes look greasy and a blue film forms on them sometimes	* Too much rinse agent	* Reduce the dosage
Dirty spots on the surface of the dishwasher	* The detergent sticks to the damp surface	* Use the detergent according to the user's manual * The detergent should not be spilled on the surface of the dishwasher
Strange color of the surface of the washed dishes	* The salt is not intended to use in the dishwasher.	* The influence of salt on the resin

2.3 Notes

1. According to the program requiring, when the dishwasher is heated to a certain temperature, the circuit board will shut off the electric supply to the electrothermal element.

2. Aqua–stop device: start up the drain pump and make the dishwasher stop its running.

3. The 90℃thermostat is closed under normal condition. When the dishwasher is heated to a certain temperature, the thermostat will open to shut off the electric supply to the eletrothermal elements.

4. If the inlet value has worked for four minutes, the pressure switch may have not acted, the dishwasher will shut off all the loads, the alarm buzzer will ring for thirty seconds and the windows display “E1”, after alarming, the dishwasher pause for three minutes, then drain water for sixty seconds.

5. If the heat element have heated for sixty minutes, the thermocouple have not acted, the dishwasher will shut off all the loads, the alarm buzzer will ring for thirty seconds and the windows display “E3”, after alarming, the dishwasher pause for three minutes, then drain water for sixty seconds.

6. If the micro switch has acted for more than two minutes, the dishwasher will shut off all the loads, the alarm buzzer will ring for thirty seconds and the windows display “E4”, after alarming, the dishwasher will pause for three minutes, then drain water for sixty seconds.

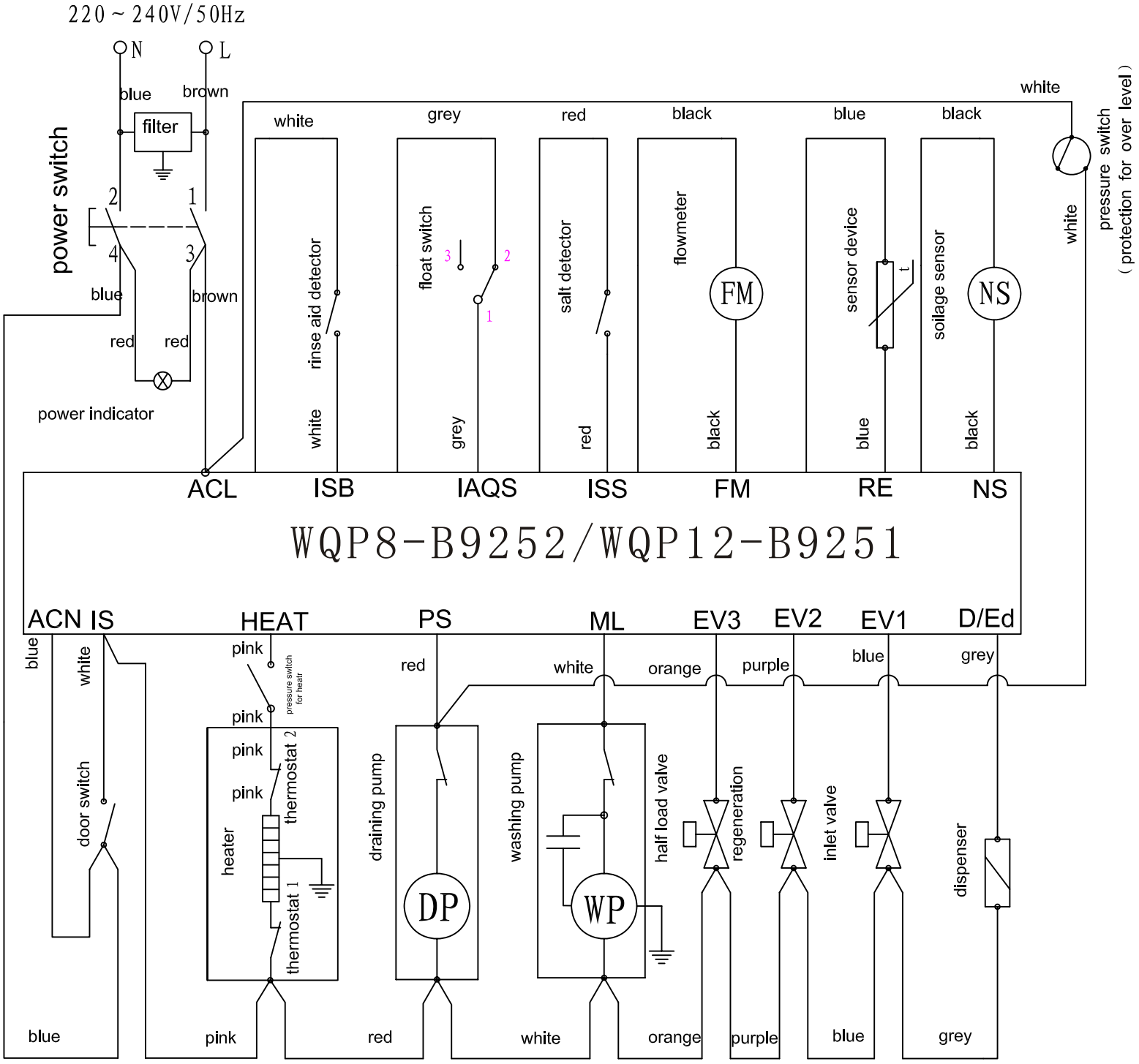
7. If the thermocouple has been checked for a open circuit, the dishwasher will shut off all the loads, the alarm buzzer will ring for thirty seconds and the windows display “E6”, after alarming, the dishwasher pause for three minutes, then drain water for sixty seconds.

8. If the thermocouple has been checked for a short circuit, the dishwasher will shut off all the loads, the alarm buzzer will ring for thirty seconds and the windows display “E7”, after alarming, the dishwasher pause for three minutes, then drain water for sixty seconds.

2.4 Attached drawings

Electric Drawing

Connection Drawing


220~240V/50Hz
N
L
blue
brown
filter
power switch
2
1
4
3
blue
brown
red
red
power indicator
white
grey
red
black
blue
black
white
rinse aid detector
float switch
salt detector
flowmeter
sensor device
soilage sensor
pressure switch
(protection for over level)
white
grey
red
black
blue
black
white
FM
NS
ACL
ISB
IAQS
ISS
FM
RE
NS
WQP8-B9252/WQP12-B9251
ACN IS
HEAT
PS
ML
EV3
EV2
EV1
D/Ed
blue
white
door switch
pink
pink
pink
pink
pressure switch for heatr
thermostat 2
heater
thermostat 1
red
draining pump
DP
white
washing pump
WP
half load valve
orange
purple
blue
grey
regeneration
inlet valve
dispenser
blue
pink
red
white
orange
purple
blue
grey