



INSTALLATION INSTRUCTIONS

Dishwasher

**MODEL : LDF7810WW / LDF7810BB / LDF7810ST
LDF7811WW / LDF7811BB / LDF7811ST
LDS5811WW / LDS5811BB / LDS5811ST
LDF6810WW / LDF6810BB / LDF6810ST**

Please read this manual carefully.
Retain for future reference.

If you have questions, call **1-800-243-0000**
or visit our website at: <http://www.lgservice.com>
or <http://us.lgservice.com>

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S AFETY AND CAUTION

IMPORTANT SAFETY INSTRUCTIONS

⚠ WARNING!

When installing and using your dishwasher, follow basic precautions, including the following:

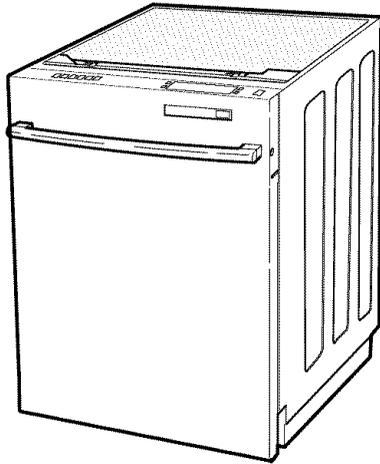
- Disconnect electrical power before you start !
- All electrical wiring and grounding should be done in accordance with national and local codes.
- If electrical supply is damaged, it must only be replaced by the manufacturer or its service agent or a similar qualified person in order to avoid a hazard.
- This dishwasher must be connected to a hot water supply between 120°F (49°C)~149°F (65°C). This temperature range provides the best washing results and shortest cycle time. Temperature should not exceed 149°F (65°C) to prevent damage to dishes.
- This appliance must be positioned close to an electrical power supply.
- The appliance is to be connected to the water supply using new hoses. Old hoses should not be reused.

GROUNDING INSTRUCTIONS

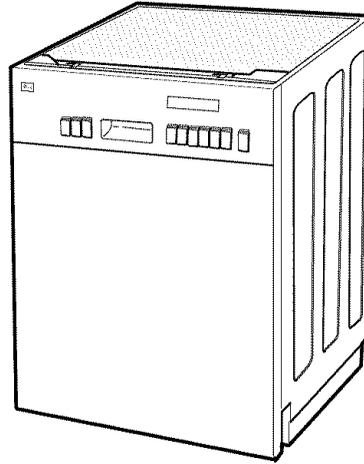
• For a permanently connected dishwasher:

This appliance must be connected to a grounded metal, permanent wiring system, or an equipment-grounding conductor must be run with the circuit conductors and connected to the equipment-grounding terminal or lead on the appliance.

DISHWASHER SPECIFICATIONS



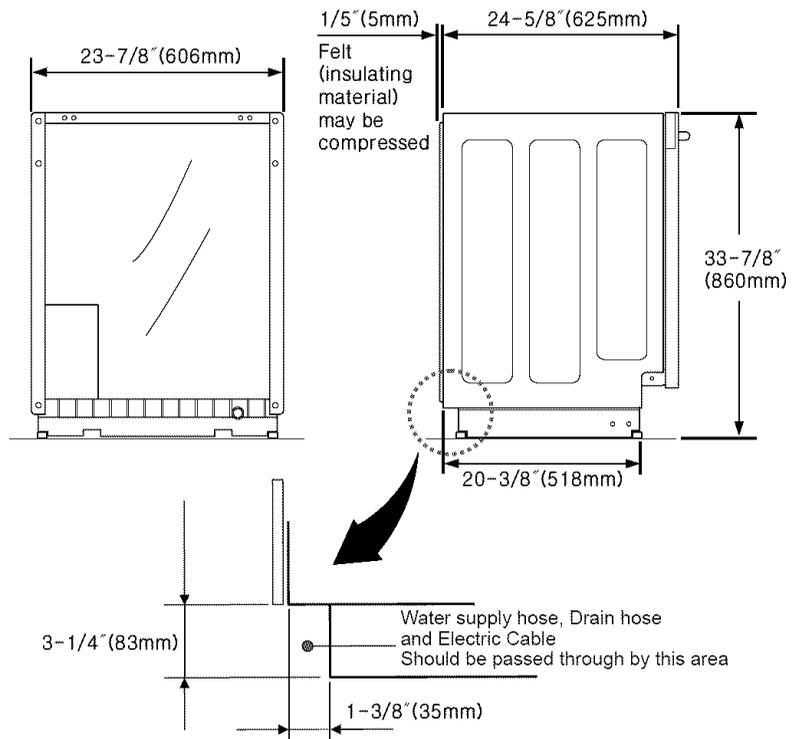
Fully Integrated
LDF7810WW/BB/ST
LDF7811WW/BB/ST
LDF6810WW/BB/ST



Semi Integrated
LDS5811WW/BB/ST

- Power supply: 120V, 60Hz AC only
- Water Pressure: 20 - 120 psi
(140 - 830 kPa)
- Size: Fully / Semi (WxDxH):
23 7/8" x 24 5/8" x 33 7/8"
(606mm x 625mm x 860mm)
- Inlet Water Temperature:
120°F (49°C)
- Weight: 115 lbs. (52kg, Fully-Integrated), 110 lbs. (50kg, Semi-Integrated)
Specifications are subject to change to improve performance.

Product Dimension

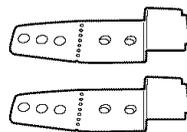


NOTE The features on your dishwasher may vary from the figure shown.

TOOLS AND MATERIALS NEEDED

PARTS SUPPLIED

(See page 8 for installation detail)



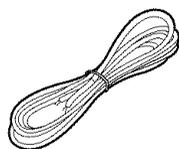
INSTALL BRACKET



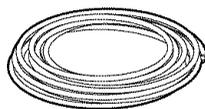
WOOD SCREW

OTHER NEEDED ITEMS

(Not provided)



ELECTRICAL CABLE



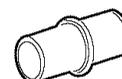
WATER SUPPLY TUBE



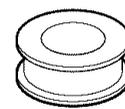
ELBOW



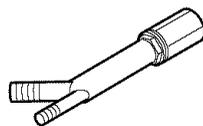
FITTINGS FOR TUBE



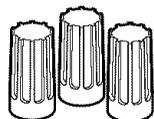
RUBBER CONNECTOR



PLUMBERS' TAPE



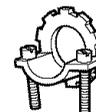
AIR GAP



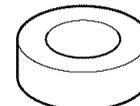
TWIST-ON WIRE CONNECTOR



HOSE CLAMP

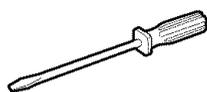


STRAIN RELIEF

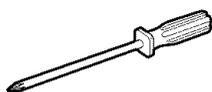


ELECTRICAL TAPE

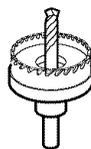
TOOLS FOR INSTALLATION



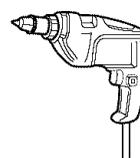
STANDARD SCREWDRIVER



PHILLIPS SCREWDRIVER



HOLE CUTTER



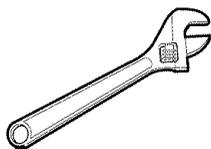
ELECTRIC DRILL



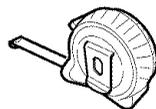
GLOVES



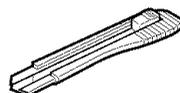
SAFETY GLASSES



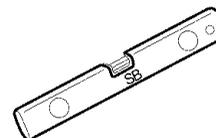
ADJUSTABLE WRENCH



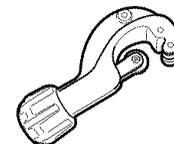
TAPE MEASURE



CUTTING KNIFE



LEVEL



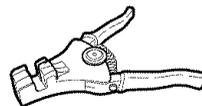
TUBING CUTTER



NIPPER



PLIERS



WIRE STRIPPER

I NSTALLATION INSTRUCTIONS

These installation instructions are intended for use by Qualified Installers.

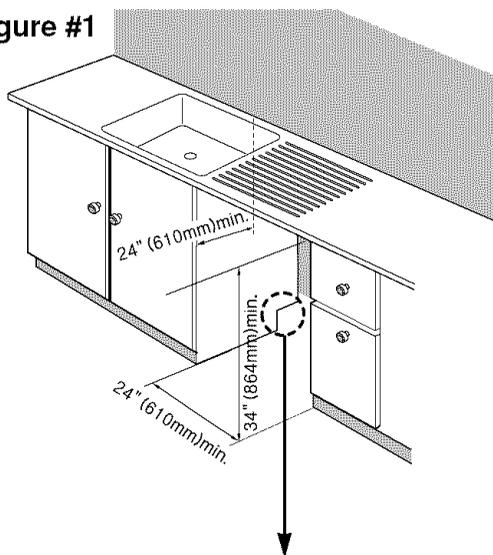
Step 1

PREPARE CUPBOARD OPENING

1. This dishwasher is designed to fit a standard dishwasher opening as shown below.
2. Select a location as close to sink as possible for easy connections to water and drain lines.
3. The dishwasher should not be installed more than 10 ft. (3m) from the sink for proper drainage.
4. If dishwasher is to be installed in a corner, a minimum of 2 in. (50mm) is required between the dishwasher and an adjacent wall.
5. To allow for proper clearance of plumbing and electrical measure a 4"x4" target area (figure #1) on the side of the cabinet where the cabinet meets the back wall. Using a 2 1/2" diameter hole saw drill a hole (in the target area) within 4" from the floor, and no more than an 1 5/8" from the back wall. If there is a floor in the cabinet under the sink, it will also be necessary to drill or cut through the floor to connect the water and drain under the sink.

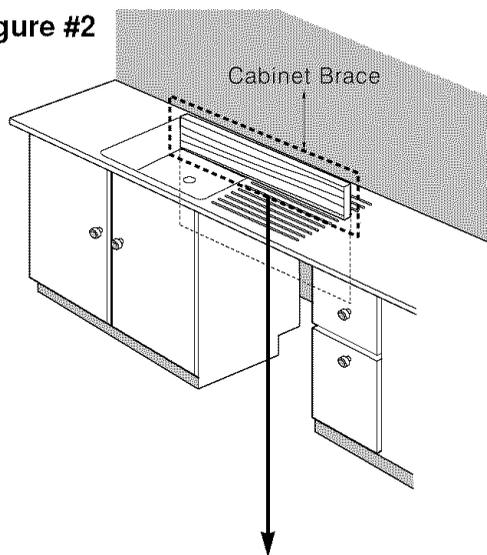
NOTE Failure to cut this opening will result in the drain hose interfering with the rear wall not allowing for flush mount installation.

figure #1



Must have this opening (on either side) to route plumbing and electrical.

figure #2



For FLUSH INSTALL, you may remove the Cabinet brace inside of the cabinet carefully.

- Ensure the floor under the dishwasher is at the same level as the rest of the room to allow for any service requirements.

INSTALLATION INSTRUCTIONS

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Step 2

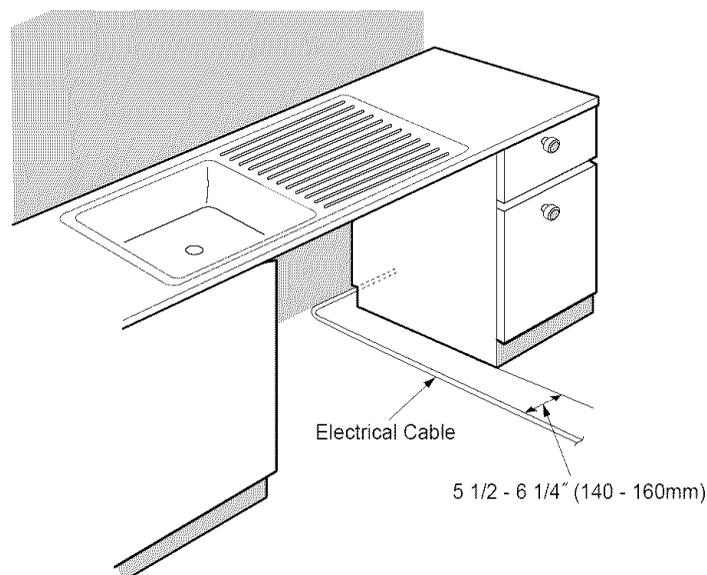
PREPARE THE ELECTRICAL WIRING



WARNING!

For personal safety, remove house fuse or open circuit breaker before installation. Do not use an extension cord or adapter plug with this dishwasher. Electrical and grounding connections must comply with the national electrical code/provincial and municipal code and/or other local codes.

1. This appliance must be operated with correct voltage as shown in this manual and on the rating plate, and connected to an individual, properly grounded branch circuit, protected by time delay fuse. Wiring must be 3 wires including ground.
2. The wiring or cord should be in an accessible location adjacent to, and not behind the dishwasher and within 4 ft. (1.2m) of the dishwasher side.
3. The wiring or cord must be grounded properly, if in doubt, have it checked by a qualified electrician. No other appliance shall be connected to the same outlet by a double adapter or similar plug.
4. The wiring or cord must be oriented as shown in Figure below.
5. Check the dishwasher for any damage before trying to install it.
6. Make sure Electrical line are oriented in the bottom channels as shown in the figure below. If you find any damage to the dishwasher, Please contact your dealer or builder immediately.



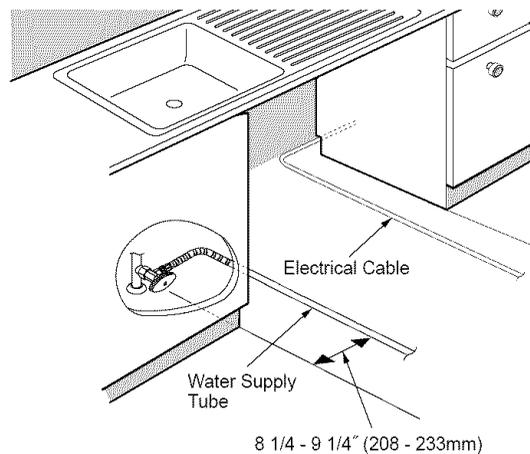
INSTALLATION INSTRUCTIONS

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Step 3

PREPARE THE WATER SUPPLY CONNECTION

1. This dishwasher must be connected to a hot water supply between 120°F (49°C)~149°F (65°C). This temperature range provides the best washing results and shortest cycle time. Temperature should not exceed 149°F (65°C) to prevent damage to dishes.
2. When connecting the dishwasher water line, sealing tape or compound should be used to avoid leaks.
3. When connecting the dishwasher water line, the house supply should be shut off.
4. The Water Supply Tube must be oriented in the bottom channels as shown in the figure below.



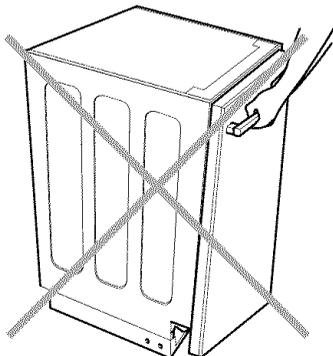
Step 4

PREPARE DISHWASHER

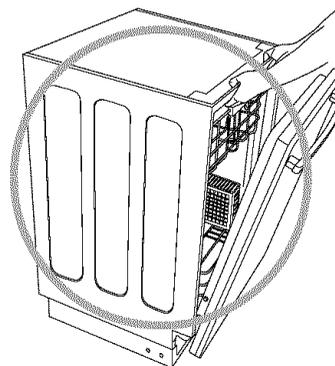
WARNING!

Don't pull handle.

Doing so can result in door distortion.



Open door and **grab body frame and top front opening of tub.**

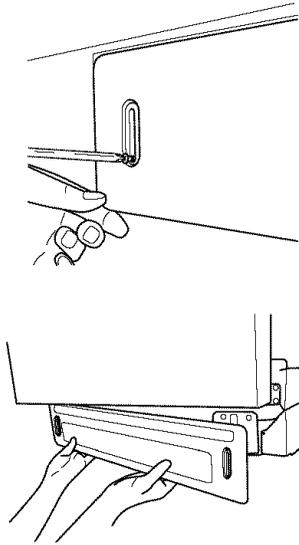


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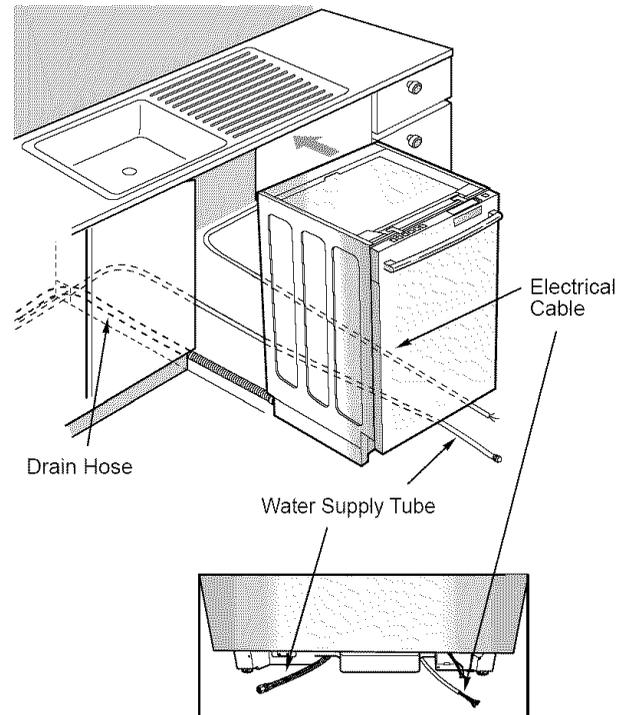
Step 5 REMOVE LOWER COVER

- Remove two screws attaching lower cover to dishwasher.
- Remove lower cover from base.



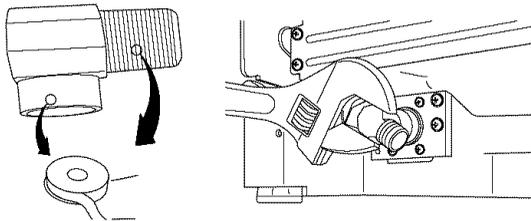
Step 7 SLIDE DISHWASHER INTO CABINET

- Slide the dishwasher into the cabinet opening carefully.
- Make sure the drain hose inside the cabinet is not kinked.



Step 6 FITTING 90° ELBOW

- When fitting elbow into the inlet valve, sealing tape or sealing compound should be used to avoid water leaks.
- Install a 90° elbow onto the water valve.



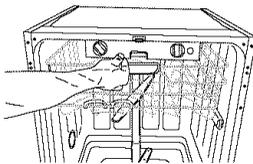
INSTALLATION INSTRUCTIONS

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Step 8

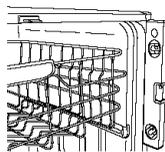
LEVEL DISHWASHER

Fig. A



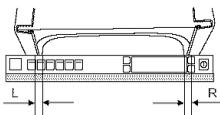
- Check that the dishwasher is level. (Fig. A)
 - Attach level on top front opening of tub from side to side

Fig. B



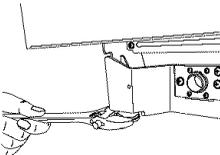
- Check that the dishwasher is plumb. (Fig. B)
 - Attach level on front side of cabinet

Fig. C



- Check that gap between door and tub is equal on both side's (L, R) (Fig. C)

Fig. D



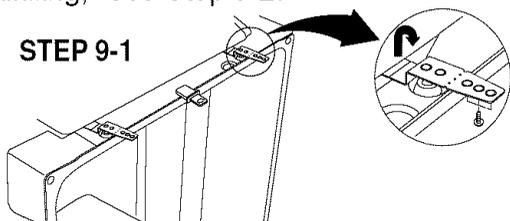
- If the dishwasher is not level or both side gap is not equal, adjust four leveling feet up or down until dishwasher is level and both side gap is equal. (Fig. D)

Step 9

SECURE DISHWASHER TO THE COUNTERTOP

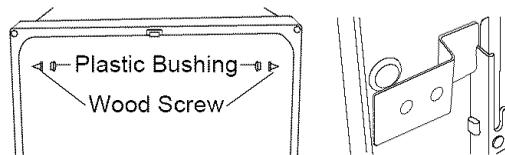
- Secure dishwasher to the countertop or the cabinet.
When the countertop is made of wood or will not be damaged by drilling, use Step 9-1.
When the countertop is made of granite, marble or others which could be damaged by drilling, Use Step 9-2.

STEP 9-1



1. Locate the installation brackets in the slot
2. Bend the brackets to secure them to the dishwasher tub
3. Secure the dishwasher to the countertop with the screws provided through the holes in the bracket

STEP 9-2



1. Remove the Plastic Bushing
2. Drive Wood Screw through the hole (Install Bracket is located between tub and side cabinet by manufacturer)
3. Reinstall Plastic Bushings.

Important Tip

- 1) Cover the Filter Hole by towels to prevent screws from falling down to pump.
- 2) Use a Magnetic Drive to prevent screws from falling down into the gap in step9-2.

I NSTALLATION INSTRUCTIONS

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Step 10 DRAIN LINE CONNECTION

1. If the end of the drain hose does not fit to the drain line, use an adapter (not supplied) that must be resistant to heat and detergent and may be obtained from a plumbing shop.
2. There are 2 typical connections as shown in Fig. E & F.
 - ① There may be other options than shown here for connection of the drain hose. The drain connection must meet local plumbing regulations.
 - ② The S trap spigot must be drilled out cleanly and free of obstruction to its maximum internal diameter, if used for drainage.
 - ③ To prevent syphoning, one of the following instruction methods must be followed:

Fig. E: Connection to Disposer or Waste Tee.

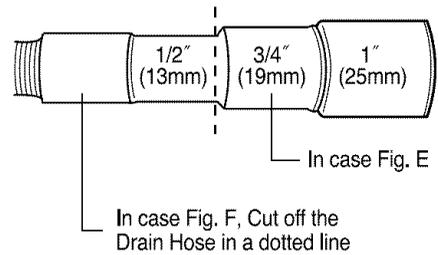
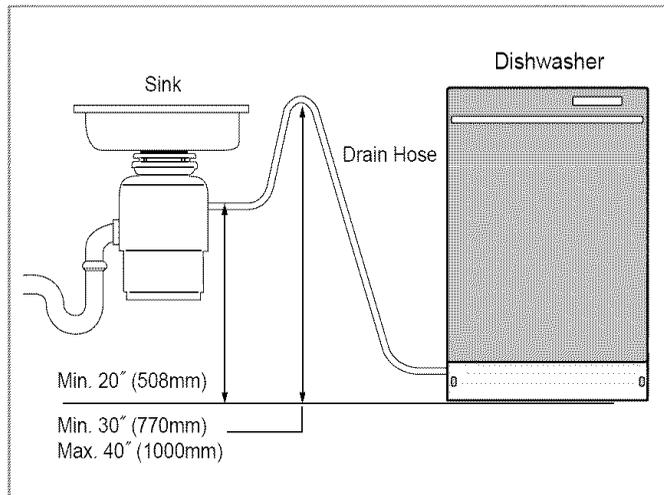
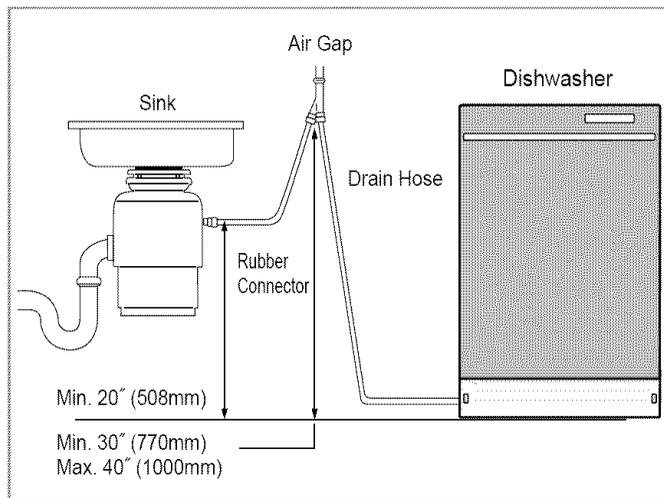


Fig. F: Connection to Air Gap.



Drain Requirements

- Follow local codes and ordinances.
- Do not exceed 10 ft. (3m) distance to drain.
- Do not connect drain lines from other devices to the dishwasher drain hose.

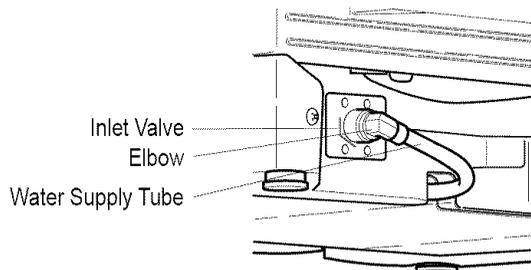
INSTALLATION INSTRUCTIONS

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Step 11

WATER SUPPLY CONNECTION

1. Before connecting, turn off the water supply.
2. After fitting the Elbow into the Inlet Valve, slide the Flexible Stainless Tube or Copper Tube into the Elbow.
3. Tighten the nut and make sure that the line is not kinked or sharply bent.



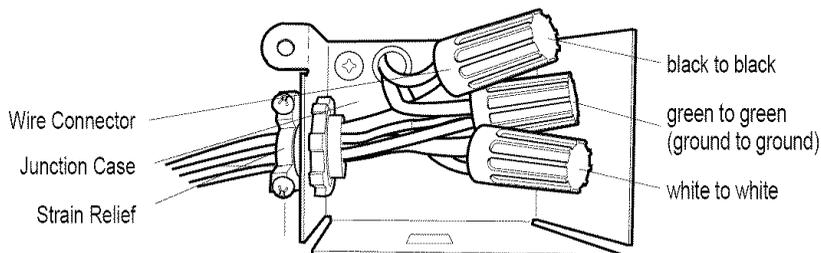
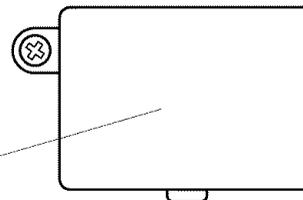
Step 12

ELECTRICAL POWER CONNECTION

1. Before beginning, turn off electrical power to the unit at the circuit breaker.
2. Remove the Junction Cover and then Install the Strain Relief.
3. Twist Wire Connectors tightly on the wires. Wrap each connection with Electrical tape.
4. Check again and make sure that all wires are connected correctly, black to black, white to white, green to green (ground to ground).
5. Replace the Junction Cover.



Junction Cover



Step 13

FINAL CHECK

1. Turn electrical power back on at the circuit breaker.
2. Turn house water supply back on.
3. Operate the dishwasher through one cycle (Quick cycle is recommended) to check for water leaks and operating conditions.
4. Replace the Lower Cover.



LG Electronics Inc.