

# INSTALLATION

## Installation Parts and Tools

### Parts Not Provided



Inlet hoses  
(2 EA)

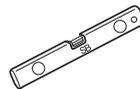
### Tools Needed



Pliers



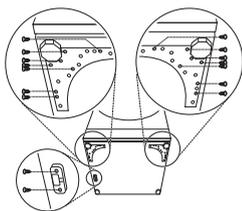
Flat-blade screwdriver



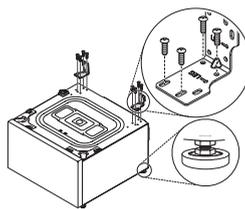
Level

## Installation Overview

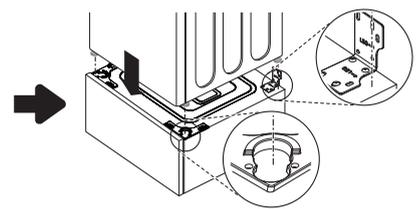
Please read the following installation instructions first after purchasing this product or transporting it to another location.



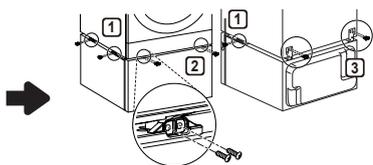
Assembling front brackets



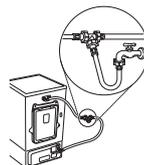
Assembling back brackets and if installing on wood flooring, anti-vibration foot pads



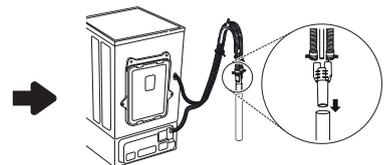
Placing Main Washer on top of the Mini Washer



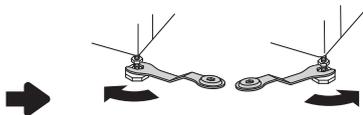
Attaching appliances to each other and snugging up the Main Washer



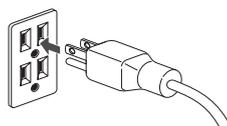
Connecting the water line



Connecting the drain line



leveling



Connecting to the power supply



Testing the washer

## Product Specifications

The appearance and specifications listed in this manual may vary due to constant product improvements.

<b>Electrical requirements</b>	120 VAC @ 60 Hz
<b>Min. / Max. water pressure</b>	20 – 120 psi (138 – 827 kPa)
<b>Dimensions</b>	29 <sup>5</sup> / <sub>8</sub> " (W) X 34 <sup>1</sup> / <sub>16</sub> " (D) X 41 <sup>3</sup> / <sub>16</sub> " (H), 56 <sup>5</sup> / <sub>16</sub> " (D with drawer open) 75.2 cm (W) X 86.4 cm (D) X 104.5 cm (H), 143 cm (D with drawer open)
<b>Net weight</b>	95 lb (43kg)
<b>Max spin speed</b>	700 RPM

### WARNING

- Moving or installation of the appliance requires two or more people. Failure to follow these instructions may result in injury.
- Store and install the appliance where it will not be exposed to temperatures below freezing or exposed to outdoor weather conditions. Failure to follow this warning can cause product or part failure, serious injury, fire, electric shock, or death.
- Properly ground the washer to conform with all governing codes and ordinances. Failure to follow this warning can cause serious injury, fire, electric shock, or death.
- To reduce the risk of electric shock, do not install the appliance in humid spaces. Failure to follow this warning can cause serious injury, fire, electric shock, or death.
- To ensure proper airflow, do not block the large opening on the bottom of the washer with carpeting or other materials.
- Do not remove the ground prong. Do not use an adapter or extension cord. Plug into a grounded 3-prong outlet. Failure to follow this warning can cause serious injury, fire, electric shock, or death.

## Choosing the Proper Location

Install the washer on a solid floor that is strong and rigid enough to support the weight of the washer, even when fully loaded, without flexing or bouncing. If the floor has too much flex, you may need to reinforce it to make it more rigid. If the floor is not solid, it may cause severe vibration and noise.

### NOTE

- Before installing the washer, make sure the floor is clean, dry and free of dust, dirt, water and oil so the washer feet cannot slide easily. Leveling feet that can move or slide on the floor can contribute to excess vibration and noise due to poor contact with the floor.
- Allow for sufficient space between the walls and the washer for installation.

## Power Outlet

- The power outlet must be within 60 inches (1.5 m) of either side of the washer.
- The appliance and outlet must be positioned so that the plug is easily accessible.
- Do not overload the outlet with more than one appliance.
- The outlet must be grounded in accordance with current electrical wiring codes and regulations.
- Use a time-delay fuse or circuit breaker.

### NOTE

- It is the personal responsibility and obligation of the product owner to have a proper outlet installed by a qualified electrician.

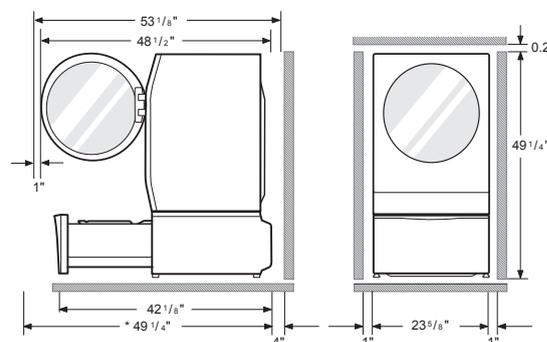
## Flooring

- To minimize noise and vibration, the washer must be installed on a solidly constructed floor.
- Allowable slope under the entire washer is a maximum  $\frac{1}{2}$  inches difference from side to side or from front to back.
- Installing on carpeting and soft tile surfaces is not recommended.
- Never install the washer on a platform or weakly supported structure.

### NOTE

- The washer must be installed on firm flooring to minimize vibration during the spin cycle. Concrete flooring is best, but a wood floor is sufficient, provided it is built to FHA standards.

## Floor Installation



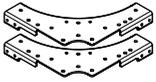
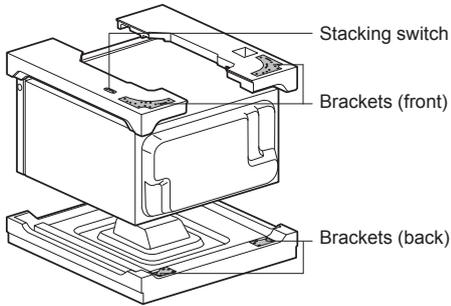
\* 49 1/4" : Minimum space for installation

To ensure sufficient clearance for water lines, the drain line and airflow, allow minimum clearances of at least 1 inch (2.5 cm) at the sides and 4 inches (10 cm) behind the unit. Be sure to allow for wall, door, or floor moldings that may increase the required clearances.

### NOTE

- Do not use a drip pan as it can block the drawer. Using a drip pan may result in increased vibration and noise during operation.

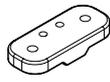
## Stacking the Mini Washer



Brackets (front)  
(2 EA)

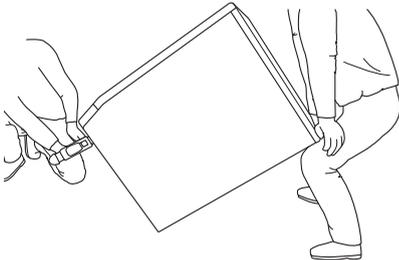


Brackets (back)  
(2 EA)



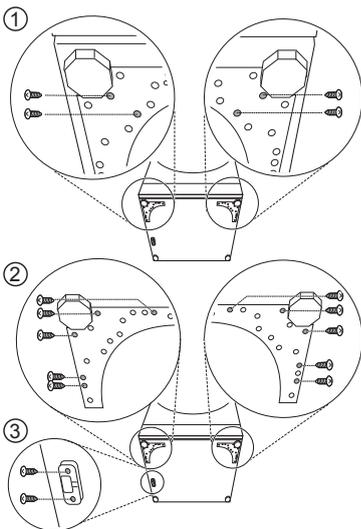
Stacking switch

1 Tilt and hold the Main Washer.



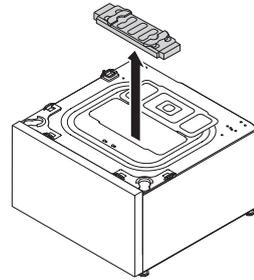
2 Attach the two front brackets and the stacking switch to the bottom of the Main Washer.

- First assemble each bracket using 7 screws, then the stacking switch using 2 screws.



3 Remove and save the foam block for future use.

- If the Mini Washer must be moved in the future, the foam block will help prevent damage to the Mini Washer during transportation.

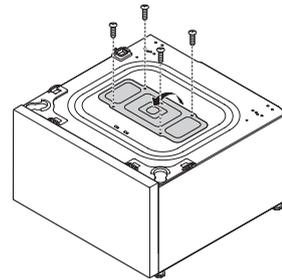


### NOTE

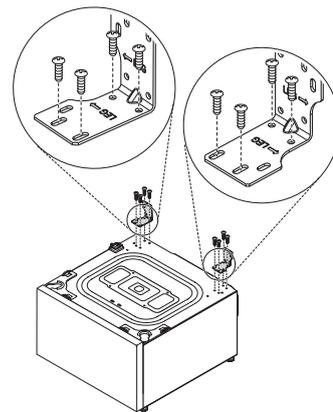
- To prevent damage, do not remove the foam block until the Mini Washer is at the final location.

4 Turn the top cover about 180 degrees.

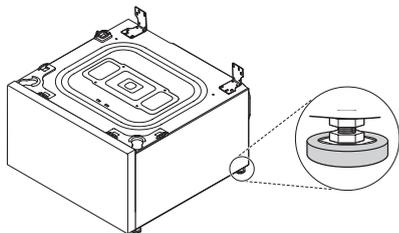
- Cover the opening in the top with the top cover and install 4 short screws to fix it in place.



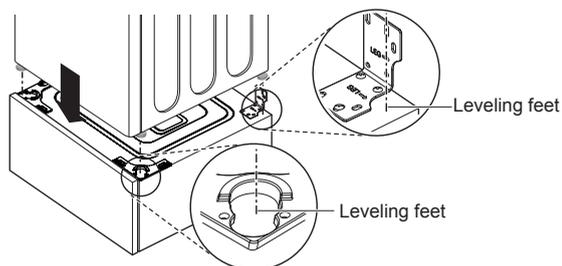
5 Attach the two back brackets on the rear top of the Mini Washer by inserting 4 screws in each bracket.



- 6** If installing on wood flooring, attach an anti-vibration foot pad to each Mini Washer foot. (Pads are provided with the Main Washer.)
- Use anti-vibration foot pads only on wood flooring. Using pads on hard flooring may cause machine vibration.



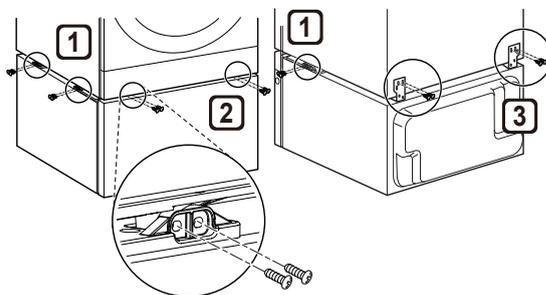
- 7** Place the Main Washer on top of the Mini Washer.
- Place the leveling feet of the Main Washer inside the bracket openings on the Mini Washer, and align the bracket screw holes.



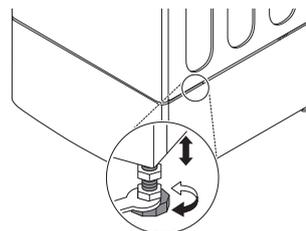
- 8** Securely attach the two appliances at the corners using the 14 long screws.
- First, insert screws on each side. Then insert screws on the front and back side.

**NOTE**

- Assembly may be more difficult if the steps are not performed in the proper order.
- The stacking switch should be assemble with two long screws.



- 9** Extend the feet of the Main Washer slightly until it is snugged up against the Mini Washer.



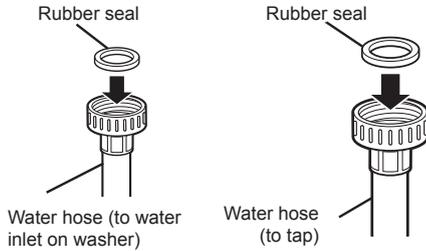
**NOTE**

- The Mini Washer will not work as a standalone unit.

## Connecting the Water Lines

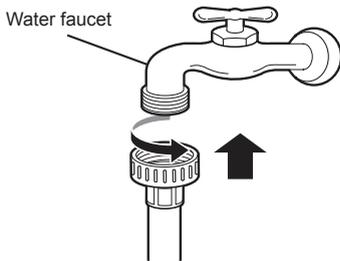
### 1 Check the fittings and seals.

Inspect the threaded fitting on each hose and make sure there is a rubber seal in place in both ends of each hose to prevent leaking.



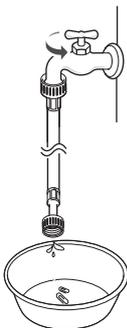
### 2 Connect the water supply hoses.

Connect the water supply hoses to the hot and cold water faucets tightly by hand and then tighten another 2/3 turn with pliers. Connect the blue hose to a cold water faucet and the red hose to a hot water faucet.



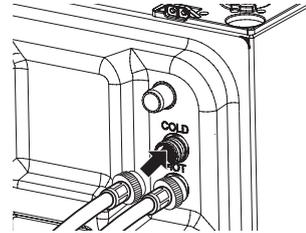
### 3 Flush out the inlet hoses.

After connecting the inlet hoses to the water faucets, turn on the water faucets to flush out foreign substances (dirt, sand or sawdust) in the water lines. Let water drain into a bucket, and check the water temperature to make sure you've connected the hoses to the correct faucets.



### 4 Attach the water lines to the back of the washer.

Attach the hot water line to the hot water inlet on the back of the washer. Attach the cold water line to the cold water inlet on the back of the washer. Tighten the fittings securely. Turn ON both faucets all the way and check for leaks at both ends of the hoses.



#### ⚠ WARNING

- Do not overtighten the hoses or cross-thread the hose fittings. Overtightening or cross-threading can damage the valves or couplings, resulting in leaking and property damage.

#### ⚠ CAUTION

- Do not reuse old hoses. Use only new hoses when installing the washer. Old hoses could leak or burst causing flooding and property damage. Contact an LG Customer Information Center for assistance in buying hoses.

#### NOTE

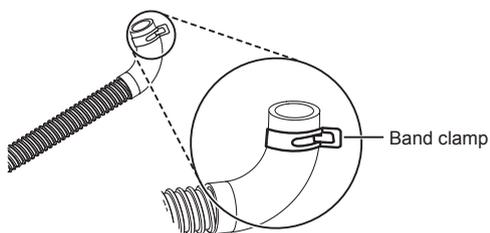
- Periodically check the hoses for cracks, leaks, and wear, and replace the hoses every five years. Do not stretch the water hoses intentionally, and make sure that they are not pinched, crushed or kinked by other objects.
- Water supply pressure must be between 20 psi and 120 psi (138 – 827 kPa). If the water supply pressure is more than 120 psi, a pressure reducing valve must be installed.
- To provide optimum washing performance, the hot water temperature should be set at 120 – 135 °F (48 – 57 °C) and the cold at 60 °F (15 °C).
- The washer should never be installed or stored in a location subject to freezing temperatures. Damage to the water lines and internal mechanisms of the washer can result. If the washer was exposed to freezing temperatures prior to installation, allow it to stand at room temperature for several hours before use and check for leaks prior to operation.

## Connecting the Drain Hose

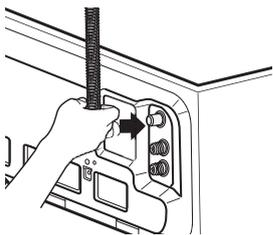
### NOTE

- The drain hose should always be properly secured. Failure to properly secure the drain hose can result in flooding and property damage.
- The drain must be installed in accordance with any applicable local codes and regulations.
- Make sure that the drain hose is not stretched, pinched, crushed, or kinked.
- Do not install the drain hose with the end lower than 29.5 inches (0.7 m) or higher than 96 inches (2.4 m) above the bottom of the washer or more than 60 inches (1.5 m) away from the washer.
- Never create an airtight seal between the hose and the drain with tape or other means. If no air gap is present, water can be siphoned out of the tub resulting in poor wash/rinse performance or clothing damage.

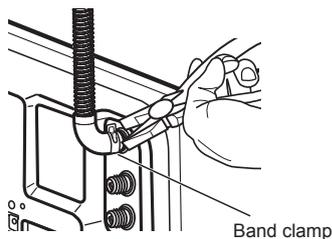
- 1 Insert the band clamp (included in packing box) onto the drain hose elbow.



- 2 With the hose leading up from the elbow, insert the elbow onto the drain outlet on the back of the Mini Washer.

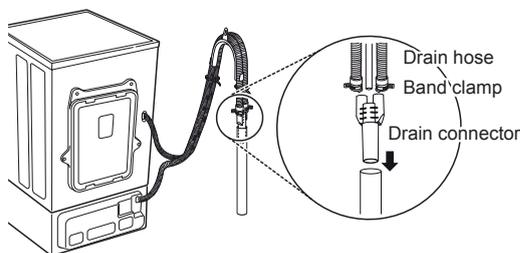


- 3 Adjust the band clamp with pliers to keep the hose securely in place and prevent leaking.



## Using the Drain Hose Connector

- 1 Connect the drain hoses of the Main Washer and the Mini Washer to the drain connector.
- 2 Insert the included band clamps onto the ends of the two drain hoses.
- 3 Push the drain hoses firmly onto the drain connector and adjust the band clamps to secure the hoses.



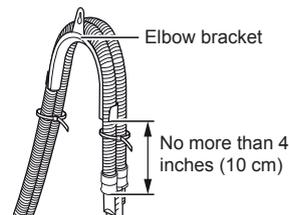
### ⚠ CAUTION

- Adjust the band clamps to prevent the hoses from coming loose or leaking. Failure to do so could result in flooding. Use of the drain connector helps avoid siphoning, odors, or improper draining.

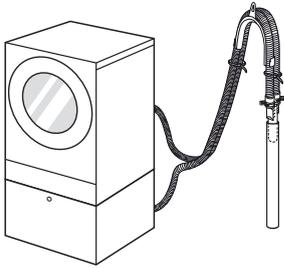
## Option 1: Standpipe

- 1 Clip the hoses above the drain hose connector into the elbow bracket.

Connect the elbow bracket within 4 inches (10 cm) of the end of the drain hose. If the drain hose is extended more than 4 inches (10 cm) beyond the end of the elbow bracket, mold or microorganisms could spread to the inside of the washer.



- 2 Insert the end of the drain hose connector into the standpipe.

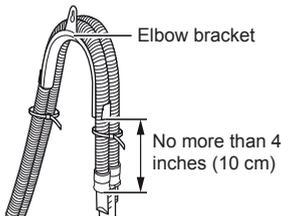


- 3 Use a tie strap to secure the drain hoses in place.

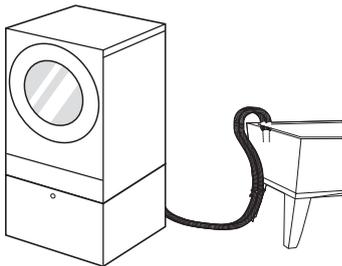
### Option 2: Laundry Tub

- 1 Clip the hoses above the drain hose connector into the elbow bracket.

Connect the elbow bracket within 4 inches (10 cm) of the end of the drain hose. If the drain hose is extended more than 4 inches (10 cm) beyond the end of the elbow bracket, mold or microorganisms could spread to the inside of the washer.



- 2 Hang the end of the drain hose over the side of the laundry tub.



- 3 Use a tie strap to secure the drain hose in place.

## Leveling the Appliance

The tub of the washer spins at very high speeds. To minimize vibration, noise, and unwanted movement, the floor must be a level, solid surface. The slope beneath the washer should not exceed 1 inch, and all four leveling feet must rest firmly on the floor.

### ⚠ WARNING

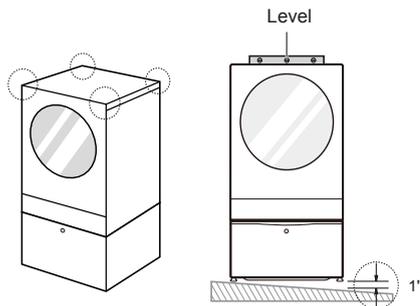
- To prevent the washer from tipping over, always move stacked machines from the bottom, not the top.

### NOTE

- Adjust the leveling feet only as far as necessary to level the washer. Extending the leveling feet more than necessary can cause the washer to vibrate
- Before installing the washer, make sure that the floor is clean, dry and free of dust, dirt, water and oil so the washer feet cannot slide easily. Feet that move or slide on the floor can contribute to excessive vibration and noise due to poor contact with the floor.

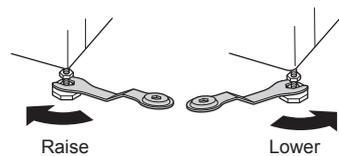
- 1 Position the washer in its final location.

Take special care not to pinch, strain, or crush the water and drain lines. If you have a carpenter's level, you can place it across the top of the washer.



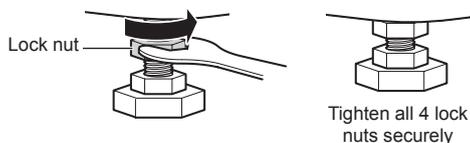
- 2 Adjust the lower leveling feet.

Turn in one direction to raise the washer or the other direction to lower it.



**3 Tighten the locknuts.**

Turn the locknuts counter-clockwise and tighten them when the washer is level.



**4 Recheck the washer's levelness.**

Push or rock the top edges of the washer gently to make sure the washer does not rock. If the washer rocks, repeat steps 1-3.

**CAUTION**

- Using the washer without leveling it may cause excess vibration and noise, leading to a machine malfunction.
- Extend the leveling feet only to level the washer. If you extend the leveling feet unnecessarily, it may cause abnormal vibration of the washer.

**Using Non-Skid Pads (Optional)**

If you install the washer on a slippery surface, it may move because of excessive vibration. Incorrect leveling may cause malfunction through noise and vibration. If this occurs, install the non-skid pads under the leveling feet and adjust the level.

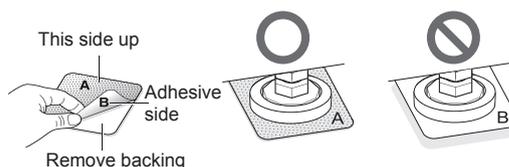
**1 Clean the floor to attach the non-skid pads.**

Use a dry rag to remove and clean foreign objects or moisture. If moisture remains, the non-skid pads may slip.

**2 Adjust the level after placing the washer in the installation area.**

**3 Place the adhesive side of the non-skid pad on the floor.**

It is most effective to install the non-skid pads under the front leveling feet. If it is hard to place the pads under the front leveling feet, place them under the back leveling feet.



**4 Recheck the washer's levelness.**

Push or rock the top edges of the washer gently to make sure that the washer does not rock. If the washer rocks, level the washer again.

## Connecting to the Power Supply

The washer should be plugged into a 120-VAC, 60 Hz grounded 3-prong outlet. Plug in the washer.

### WARNING

- Do not use a worn or damaged power cord or power plug. Replace or repair it immediately. Failure to do so may result in death, fire, electric shock, or malfunction.
- Do not modify the power cord and plug provided with the appliance. Do not damage it when installing or moving the washer. Doing so may result in death, fire, electric shock, or malfunction.
- Make sure that the washer is grounded.
- Connect this washer to a grounded outlet conforming to the rating prior to use. Failure to do so may result in fire, electric shock, or malfunction.
- Do not damage or cut off the ground prong of the power cord. Doing so may cause death, fire, electric shock, or product malfunction.
- Improper connection of the equipment-grounding conductor can result in risk of electric shock. Check with a qualified electrician or service technician if you are in doubt as to whether the appliance is properly grounded. If it does not fit the outlet, have a proper outlet installed by a qualified electrician.
- The appliance and outlet must be positioned so that the plug is easily accessible.
- Do not use adapters or extension cords. Doing so may result in serious injury, fire, electric shock, or death.
- For best performance, plug the washer into its own individual outlet. This helps prevent overloading house wiring circuits which could cause a fire hazard from overheated wires.
- If necessary, use a new, UL-listed 3-prong adapter or 3-wire extension cord with a 3-prong (grounding) plug rated at no less than the branch circuit. Do not use an extension cord longer than 3 feet. Failure to follow these warnings may result in serious injury, fire, electric shock, or death.

## Testing the Washer

Check if the washer is properly installed and run a test cycle.

- 1 Load the washer with 2 pounds of laundry (approximately 2 thick bath towels).
- 2 Press the **Power** button.
- 3 Select the **Rinse+Spin**.
- 4 Press the **Start/Pause** button.  
The wash cycle starts.
- 5 Check if water is supplied, that the machine does not rock or vibrate excessively, and that it drains well during the spin cycle.

### NOTE

- If water leaks during water supply, see Connecting the Water Lines to connect them properly.
- If the washer rocks and vibrates excessively, see Leveling the Appliance to level it again.
- If the drain does not work, see Connecting the Drain Hose to install the hose properly.