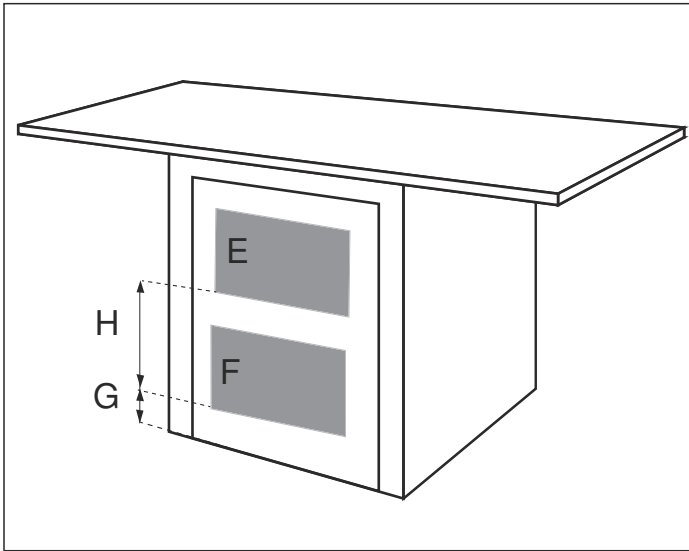


en-us Use and Care Manual, Installation Instructions

Washer
WAT28400UC



Under counter (Less Desirable)



If front of the appliance is covered ventilation openings must be installed.

E & F are minimum area sizes

E	63 sq.in.	404 sq.cm
F	63 sq.in.	404 sq.cm

G & H actual spacing dimensions for min. open area sizes

G	3 in.	7.6 cm
H	14 in.	35.6 cm

Installation instructions

⚠ WARNING

RISK OF FIRE, ELECTRICAL SHOCK OR INJURY TO PERSONS

To reduce the risk of fire, electric shock or injury to persons, read the Important Safety Instructions at the front of this manual before installing or operating this appliance.

⚠ CAUTION

WASHING MACHINE IS HEAVY

Use additional help and care when lifting and positioning.

Introduction

Read these installation instructions completely and carefully before starting to install your new washing machine. The information contained can save you time and effort and will help to ensure optimum performance of your new washer. Be sure to observe all warnings and cautions.

NOTICES

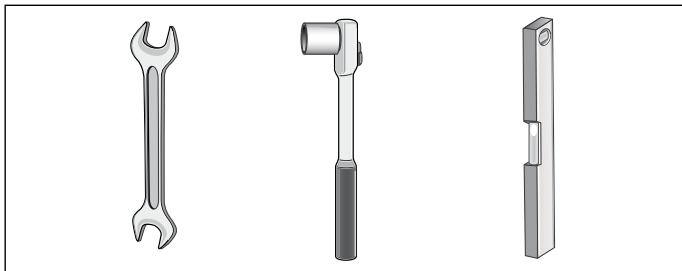
- Frozen hoses can tear or burst. Do not install the washing machine outdoors or in an area exposed to freezing conditions.
- If the washing machine is located in a room which will be exposed to temperatures below freezing, or if it is located in a cabin that is being shut down for the winter, any residual water in the pump or water inlet hose(s) must be drained.
- Take care not to damage the washing machine. Do not hold on to protruding parts (e.g. door) when lifting. Do not push against the appliance door glass due to risk of damage.
- In addition to the safety information listed here, the local water and electric authorities may have special requirements that must be followed.
- If in doubt, have the appliance installed by an authorized technician.
- Hidden surfaces may have sharp edges. During service use caution when reaching inside the washer housing.

These installation instructions are intended for use by qualified installers. In addition to these instructions, the installation must comply with:

- for the United States - National Electrical Code, ANSI/NFPA70 - and latest editions of the State and municipal and/or local regulations.
- for Canada - Canadian Electrical Code C22.1 - and the latest editions of the Provincial, Municipal and/or local regulations.

Tools needed

The following tools may be helpful during installation of your washer.



- 13mm socket for removing the transport bolts.
- 17mm wrench for adjusting the appliance feet.
- Bubble level for leveling the appliance.

Waste disposal

Disposal of Packaging Materials

After unpacking your new appliance dispose of the protective packaging materials in an environmentally friendly way. Ask your dealer or inquire with your local authority regarding currently acceptable means of disposal.

⚠ WARNING

WARNINGS FOR CHILDREN

Do not let children play with packaging and associated parts to avoid risk of choking or suffocation.

Disposal of Your Old Appliance

Your old appliance can be recycled if it is no longer to be used. Prior to disposing of your old appliance observe the following precautions to reduce safety risks.

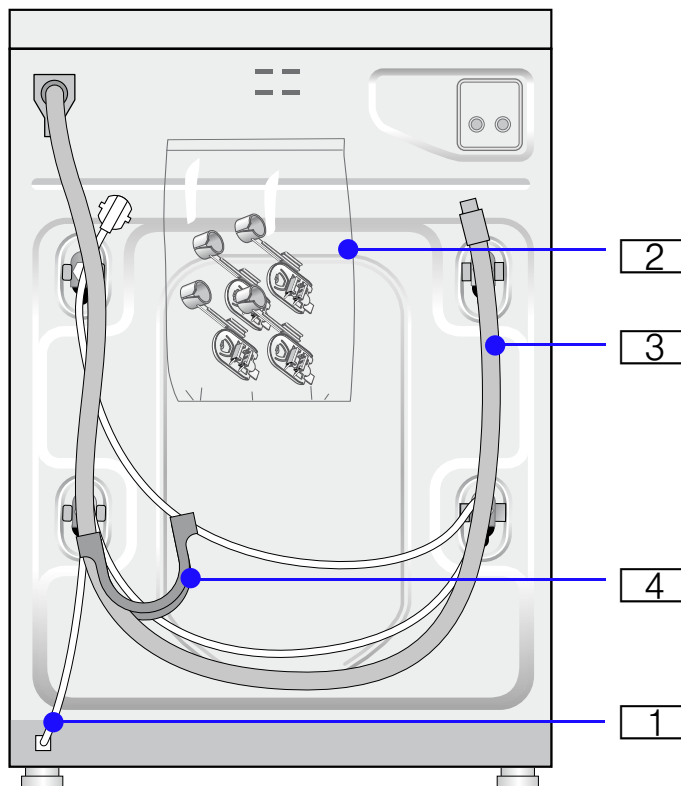
⚠ WARNING

TO AVOID RISK OF INJURY OR DEATH, DO THE FOLLOWING

- after unplugging the old appliance, remove the electric power cord and dispose of properly.
- remove the door or permanently disable the door lock to prevent children from being locked inside.

Parts provided with your washer

Back side of the washing mashine



1 Power cord with plug

2 Literature pack; contents:

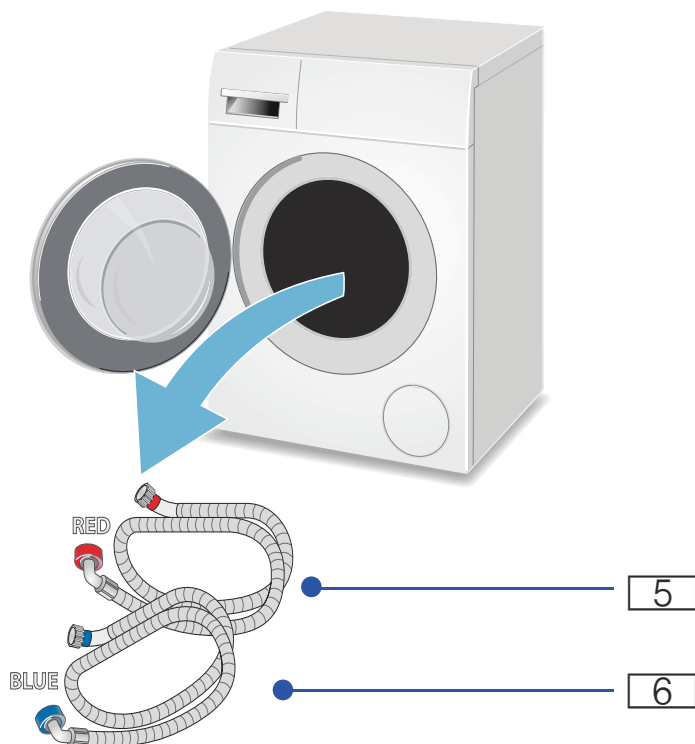
- User manual
- Warranty
- Covers with hose holders

3 Drain hose

4 Elbow to form the hose to fit the drain pipe

Washer drum contents

Two reinforced water supply hoses are shipped in the washer drum. Be sure to remove each of these items from the drum before using the washer.



☐ 5 Hot water hose

☐ 6 Cold water hose

NOTICE: If any parts are missing please notify your dealer immediately.

Set up on a pedestal with drawer

Pedestal item number: WMZ 20490

Mount washer on the pedestal according to the instructions in the installation kit.

Installation checklist

Review the following list and check off each step as it is completed during installation.

✓ Installation Step	Page
If installing to a pedestal (base), complete the base installation before removing the transportation bolts	→ <i>Remove the transport bolts; Page 13</i>
Completely remove all four shipping bolts keeping the bolt and bushing assemblies intact	→ <i>Remove the transport bolts; Page 13</i>
Connect the water supply hose and drain hose	→ <i>Water connections; Page 13</i>
Connect the electrical power	→ <i>Electrical connection; Page 15</i>
Slide the washing machine into its final location	
Level the washing machine (as low as possible)	→ <i>Leveling the washer; Page 15</i>
Before washing laundry, run the Drum Clean program	→ <i>Before loading your first load of laundry; Page 19</i>

Importance of installing on a solid, level floor

Your new Bosch washing machine utilizes high spin speeds to achieve superior water removal from your laundry resulting in reduced drying time. It is important to install your washing machine on a floor that will provide firm support. This prevents the washer from experiencing excess vibration during spinning that could cause the washer to move or be noisy.

The installation surface must be solid and level in both directions. Avoid installing your washer on soft surfaces such as floors with carpet or foam backed covering material.

If installing the washer on a wooden floor, observe the following:

- install the washer in a corner for better support if possible.
- if necessary, reinforce the floor by screwing a water resistant wooden board to the floor (minimum of 1.18 in./30 mm thick).

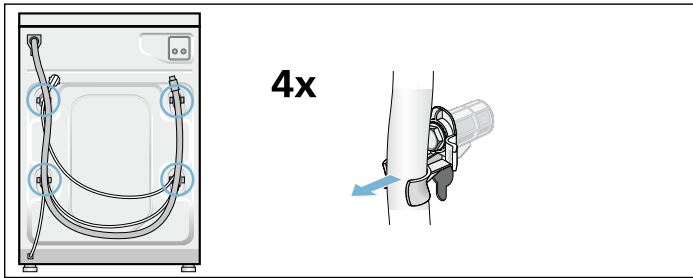
Remove the transport bolts

⚠ CAUTION

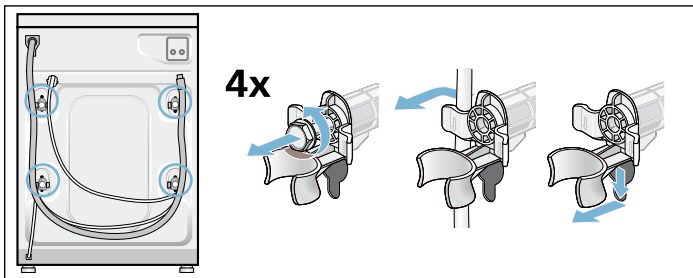
DAMAGE TO THE APPLIANCE OR INJURY POSSIBLE

- The machine is secured for transport with transport bolts. Transport bolts that are not removed can damage the drum during operation of the machine, the washer will vibrate, and it will be much noisier during spin cycles if the transport bolts are not removed before use. Be sure to remove all 4 transport bolts completely before first use. Keep the transport bolts. If a pedestal was purchased with the washer, it must be installed first, prior to removing the transport bolts. Please consult the pedestal installation instructions.
- In order to prevent transport damage during later transport, be sure to re-install the bolts before transport.

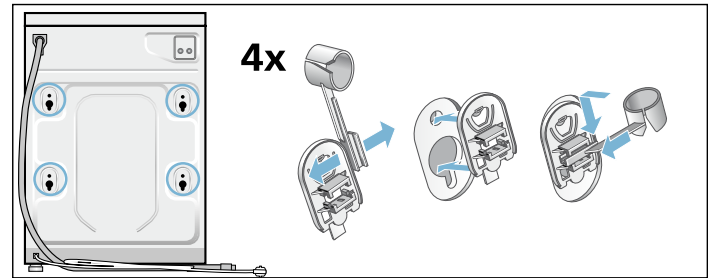
1. Remove hoses from the brackets.



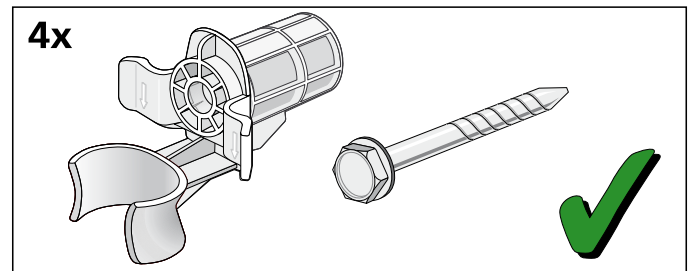
2. Loosen and remove all 4 transport bolts. Remove the sleeves. Take the power cable out of the brackets.



- Place covers over the transport bolt holes. Four plastic covers are provided in the small parts bag included with your washer. Separate these covers and install one in each hole where the transport bolts were removed. Lock covers firmly by pressing on the snap hook. Insert hose holder. Secure hoses in the hose holders.



NOTICE: Keep the assemblies together and store them for later use such as when moving the washer.



Water connections

Water supply hose connections

NOTICES

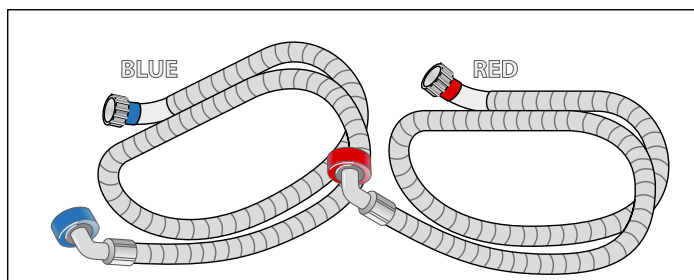
- The washing machine must only be operated with cold and hot (max. 140 °F/60 °C) tap water. Do not connect the appliance to the mixer tap of a pressurized hot-water boiler.
- To prevent water damage, the hot and cold water valves should be accessible when the washing machine is in place and should always be turned off when the washing machine is not in use.
- If installing the washing machine in a new building or a building in which the plumbing system was recently installed or upgraded, flush the lines before installing the washing machine to remove any sand, dirt or residue.
- To prevent leakage or water damage, follow the instructions in this chapter.
- If in doubt, have the appliance installed by an authorized technician.

Connect your washer to the wall faucets.

Observe each of the following:

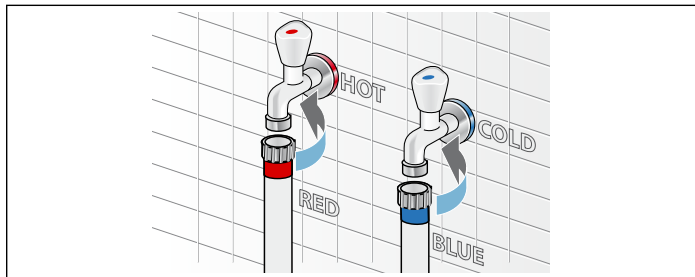
- Only use the new water supply hose shipped with your washer. Never use old used hoses.
- The water supply hoses must not be kinked, bent, or pinched causing hose damage or restricting water flow.

- The water supply pressure must be between **14,5 to 145 psi (1 - 10 bar)** with a minimum of 2.2 U.S. gallons (8 liters) of flow per minute. A pressure regulator valve must be installed if the maximum water pressure is exceeded.
- Make sure the water supply faucet is easily accessible when the washer is in use. The faucet should be turned off if the washer is going to be unused for extended periods of time.
- Make sure rubber washers are in place at both ends of the water supply hose. Missing washers could cause leaks.
- The connection points are under full water pressure. Turn on the water tap and check for leaks.
- Periodically inspect the water supply hose and replace with a new hose if cuts, kinks or leaks are observed.

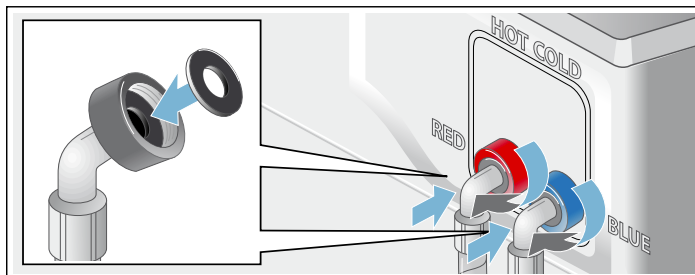


Water connection hoses

- red - Hot water-hose
- blue - Cold water-hose



Attach this end to water tap. Hand tighten only.



Attach this end of the hose to the back of the washing machine. Hand tighten only.

Water drain hose connection

NOTICES

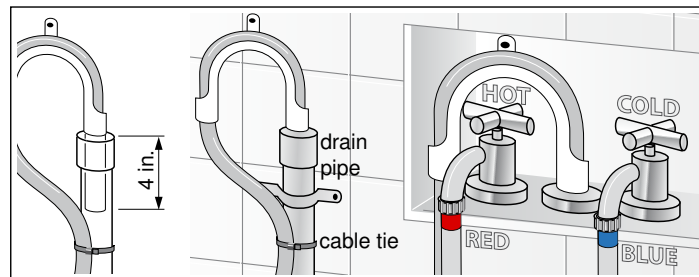
- Do not reuse an old drain hose. Only use the drain hose and parts included with your washer.
- Do not kink or modify the water drain hose.

Height of drain point

Height difference between the floor and drainage point: max. 39 in. (100 cm).

Types of drainage hookups

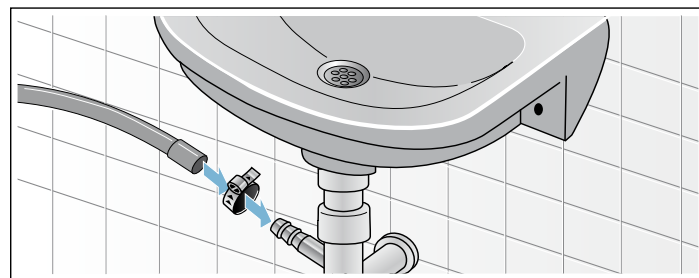
Standpipe



Attach the drain hose to the elbow included with your washer.

Position the elbow on the drain hose 4" from end of hose as shown. Insert this section of the drain hose into the drain pipe. Secure the elbow and hose with a nylon tie strap or the equivalent to keep the hose from coming out of the drain pipe during use.

Sink siphon



Secure the drain hose to the sink siphon using a Ø 0.9 - 1.6 in. (20-44 mm) hose clip (available from a hardware store).

Wash Basin

⚠ WARNING

SCALDING

When washing at high temperatures, there is a risk of scalding if you touch hot suds, e.g. when pumping out hot suds into a wash basin.

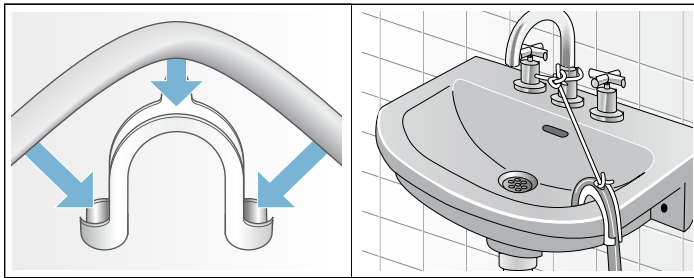
Do not reach into the hot suds.

Note: APPLIANCE DAMAGE/DAMAGE TO TEXTILES

If the end of the drain hose touches the discharge water (water drained from washer) it (the discharge water) can be sucked back into the appliance and may damage the appliance or textiles.

Make sure that:

- There is no stopper in the sink drain.
- The end of the hose does not touch the discharge water.
- The sink drain is free flowing and not partially clogged.



Attach the drain hose securely to the wash basin.

NOTICE: In any multi-story installation, the washer should be installed on a drained floor to prevent water damage to rooms below in the event of a leak.

Leveling the washer

Importance of leveling the washer

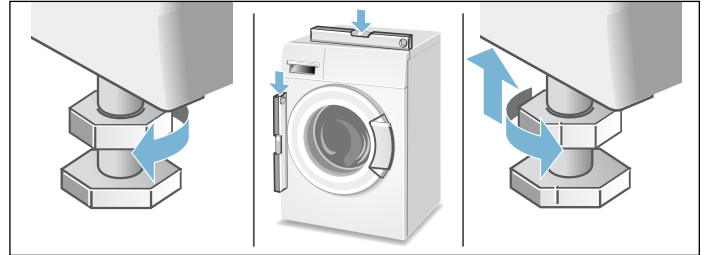
Your new washer uses high spin speeds to remove water at the end of the wash cycle. It is important that your washer is level and that all four washer feet press with equal pressure against the floor. This will help assure the quietest, most vibration-free use of your washer.

Follow these steps:

1. Install the washer on a level and solid surface, preferably in a corner of a room.
2. If the floor is uneven (or unlevel) adjust the washer feet as required to level the washer. Do not place anything under the washer feet to help level the washer.
3. Extend the washer feet no more than is necessary. The more the feet are extended, the more vibration the washer will experience. Start with the washer feet turned all the way in and adjust each foot as necessary.
4. Use a bubble level to check the top of the washer to make sure it is level side to side and front to rear.

5. Press down on each corner of the washer top to make sure the washer doesn't "wobble". There should be no "give" or movement. All four washer feet should press equally against the floor. This is just as important as the washer being level to prevent vibration.
6. When the washer is level and does not wobble, lock the washer feet in place by tightening the locknuts against the washer bottom. Be sure to do this without changing the height of the foot (hold the foot while tightening the locknut).

Procedure for adjusting the washer feet:



1. After determining which washer feet need to be extended, have someone lift up on the washer slightly to take pressure off the foot to be adjusted.
2. Turn the grey plastic foot to extend it downward as far as necessary to raise the corner of the washer the correct amount to level the washer.
3. When the height of the foot is correct, use a 17 mm open end wrench to tighten the locknut against the washer bottom. The locknut should be tight against the bottom of the washer to lock the foot in place.

Electrical connection

⚠ WARNING

ELECTRICAL SHOCK HAZARD

Improper connection of the equipment-grounding conductor may result in electric shock. Have the appliance checked by a qualified technician or licensed electrician if you are in doubt as to whether the washer has been properly grounded.

⚠ WARNING

ELECTRICAL SHOCK HAZARD

To reduce the risk of fire or electrical shock, DO NOT use an extension cord or an adapter to connect the washing machine to the power supply.

⚠ WARNING

ELECTRICAL SHOCK HAZARD

To reduce the risk of electrical shock:

- Only pull out the power cord by the plug end and never by the cable, as this could damage it.
 - Never touch or hold the plug end or power cord with wet hands.
 - Never unplug the plug end or power cord during operation.
-

Grounding Instructions

⚠ WARNING

ELECTRICAL SHOCK HAZARD


This appliance must be grounded. In the event of malfunction or breakdown, grounding will reduce the risk of electric shock by providing a path of least resistance for the electric current. This appliance is equipped with a cord that has an equipment grounding conductor and a grounding plug. The plug must be plugged into an appropriate outlet that is properly installed and grounded in accordance with all local codes and ordinances.

- Do not modify the plug provided with the appliance. If the plug will not fit into the outlet have a properly grounded outlet installed by a qualified electrician. Do not cut, remove or bypass the grounding prong on the washer power cord plug.
- The washer power cord plug must be easily accessible when the washer is operating.
- When unplugging or plugging in the washer power cord, grasp the plug end. Do not pull on the cable to unplug the washer.
- The household electrical supply must be suitable for the voltage specification shown on the washer rating plate (located inside the washer door, immediately below the drum opening).

→ *Purchase information; Page 4*

See the table below for connection specifications and fuse/breaker requirements.

Volts	Hertz	Ampers	Watts
240	60	12	2.880 max.

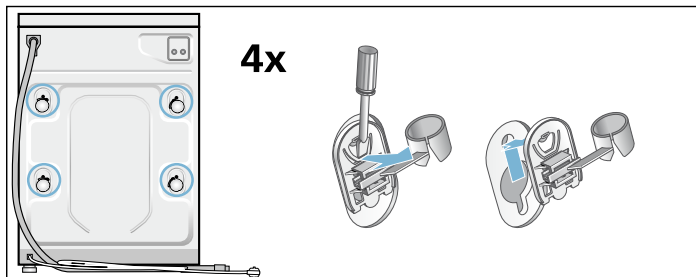
- The wiring for the electrical outlet circuit must be sufficient to meet the appliance requirements. Use of a Ground Fault Circuit Interrupter (GFCI) is recommended.
- Protect the power cord from physical damage, such as being twisted, kinked, pinched, caught in a door, or walked upon.
- If the power cord is damaged, it must be replaced by a qualified technician to avoid a fire/shock hazard. Replacement power cords can be purchased through Customer Service.
→ *Customer service; Page 4*
- The washing machine must only be connected to an individual branch circuit via a socket which has been properly installed and grounded.
- Make sure that:
 - the power plug fits into the socket
 - the wire size is sufficient
 - the grounding system is properly installed
- The power cord may be replaced by an electrician only. Replacement power cords can be purchased from Customer Service. To reduce the risk of fire or electrical shock, DO NOT use an extension cord or an adapter to connect the washing machine to the power supply. If a ground fault circuit breaker is to be used, only use the types marked with the following symbol: . Only this symbol can guarantee compliance with all current regulations.

Transporting the washer

Before transporting the washer

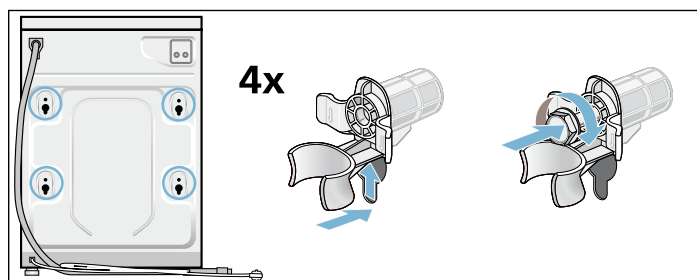
1. Disconnect the washer power cord from the wall outlet.
2. Turn off the water supply to the washer.
3. Disconnect water supply lines from the tap.
4. Disconnect the drain hose from the drain location.
5. Install the transport bolt assemblies as shown in the following images.

Remove the transport bolt hole covers



1. Remove all four transport bolt hole covers.
2. Pull the tip of the arrow on the cover out slightly to disengage the locking tab.
3. Rotate the cover counterclockwise to remove. Repeat for all 4 transport bolt hole covers.

Insert the transport bolt assemblies



1. Each assembly consists of a plastic bushing and a bolt that extends through the bushings. Unscrew the bolt until the threaded end is flush with the end of the plastic bushing.
2. Insert the transportation bolt and bushing assembly as shown. The metal housing slides around the bolt through the slot in the plastic bushing as the bushing is slid into place. The open part of the bushing slot should be facing the direction shown to allow the assembly to slide fully into place.
3. When the bolt is in place screw it in until the bolt threads engage the drum. Double check and ensure bolts are screwed into threaded holes and not into cracks or crevices. Repeat the process for all 4 transportation bolt assemblies before tightening any all the way. Complete tightening all 4 bolt assemblies until they are each snug in place.