

Installation Instructions

for Frontload Washers

Original Instructions

Keep These Instructions for Future Reference.

CAUTION: Read the instructions before using the machine.

(If this machine changes ownership, this manual must accompany machine.)



www.alliancelaundry.com

Part No. 805498R1
September 2019

Table of Contents

Washer Dimensions	4
Installation	5
Before You Start.....	5
Tools.....	5
Order of Installation Steps.....	5
Position Unit Near Installation Area.....	5
Remove Shipping Materials.....	5
Connect Fill Hoses.....	6
Water Supply Requirements.....	6
Connecting Hoses.....	7
Connect Drain Hose to Drain Receptacle.....	7
Standpipe Installation.....	7
Wall Installation.....	8
Laundry Tub Installation.....	8
Position and Level the Washer.....	8
Wipe Out Inside of Wash Drum.....	9
Supply Injection Models Only - Connect External Supplies to Washer.....	9
Supply Injection Signals.....	10
Control Function Test.....	11
Plug In the Washer.....	11
Electrical Requirements.....	11
Earth/Ground Instructions.....	12
Check Installation.....	12
Installer Checklist	13

Washer Dimensions

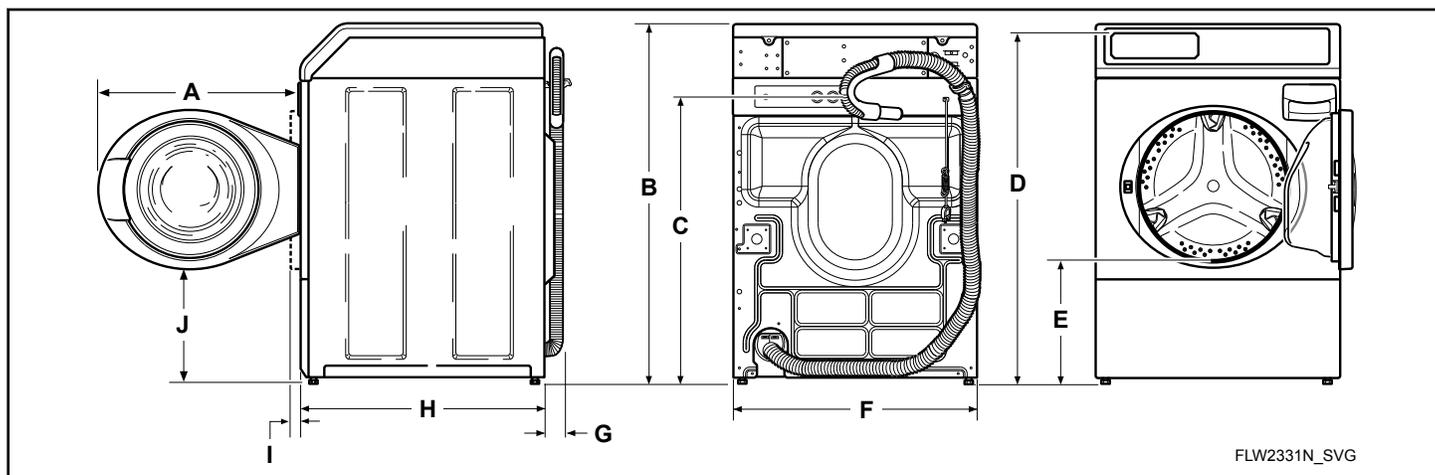


Figure 1

A	24.06 in. [611 mm]
B	40.42 in. [1027 mm]
C	32 in. [813 mm]
D	39.61 in. [1006 mm]
E *	14.6 in. [371 mm]
F	26.875 in. [683 mm]
G	2.04 in. [52 mm]
H	27.73 in. [704 mm]
I (with door closed)	1.59 in. [40 mm]
J	13.1 in. [333 mm]

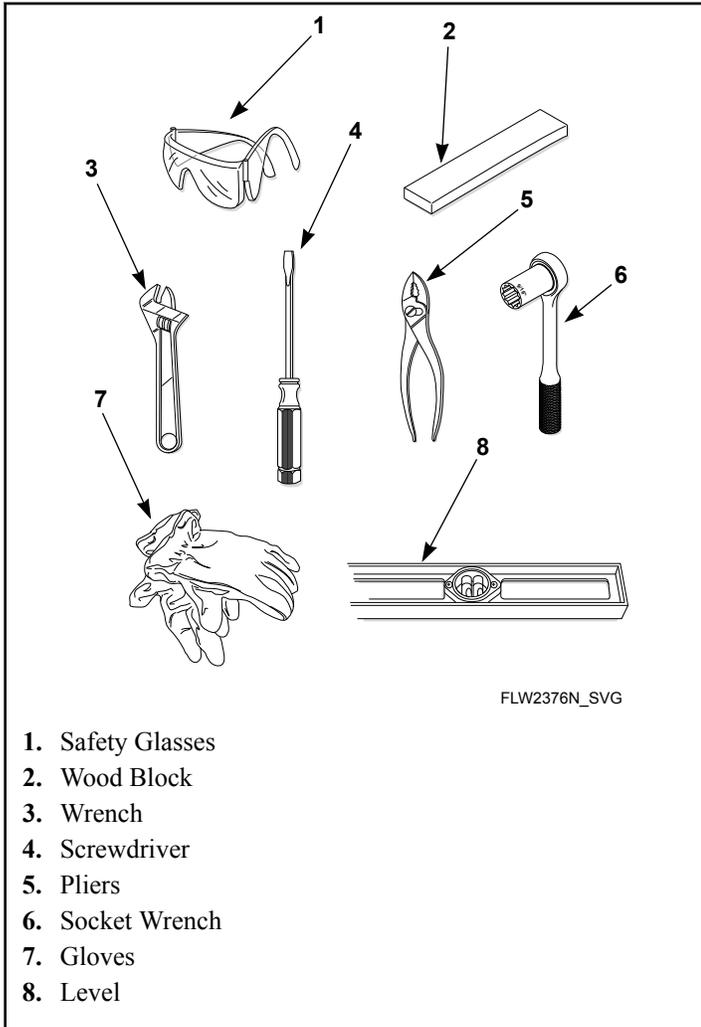
* For ADA compliance turn legs out from base 0.5 inches.

Installation

Before You Start

Tools

For most installations, the basic tools you will need are:



1. Safety Glasses
2. Wood Block
3. Wrench
4. Screwdriver
5. Pliers
6. Socket Wrench
7. Gloves
8. Level

Figure 2

NOTE: If the washer is delivered on a cold day (below freezing), or is stored in an unheated room or area during the cold months, do not attempt to operate it until the washer has had a chance to warm up.

NOTE: Install dryer before washer. This allows room for attaching exhaust duct.

NOTE: Some moisture in the wash drum is normal. Water is used during testing at the manufacturer.

NOTE: This appliance is suitable for use in countries having a warm, damp climate.

Order of Installation Steps

The proper order of steps must be followed to ensure correct installation. Refer to the list below when installing your unit.

1. Position washer near the installation area.
2. Remove the shipping materials.
3. Connect the fill hoses.
4. Connect the drain hose to the drain receptacle.
5. Position and level the washer.
6. Wipe out inside of the washer.
7. Supply injection models only: Connect external supplies to washer.
8. Plug in the washer.
9. Check installation.

Position Unit Near Installation Area

Move unit so that it is within 4 feet [1.2 meters] of the desired area of installation.

NOTE: For best performance and to minimize vibration or movement, install washer on a solid, sturdy and level floor. Some floors may need to be reinforced, especially on a second floor or over a basement. Do not install the washer on carpeting, soft tile or other weakly supported structures.

Remove Shipping Materials

1. Remove two screws at bottom of front access panel. Rotate bottom of panel out and remove panel.

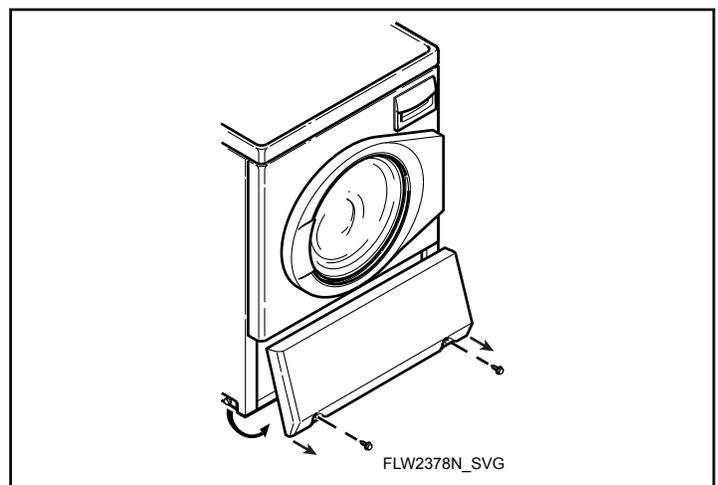


Figure 3

2. Remove two 9/16 inch bolts and washers holding shipping brace to weight.

- Remove two 9/16 inch bolts and washers holding shipping brace to washer base and remove brace.

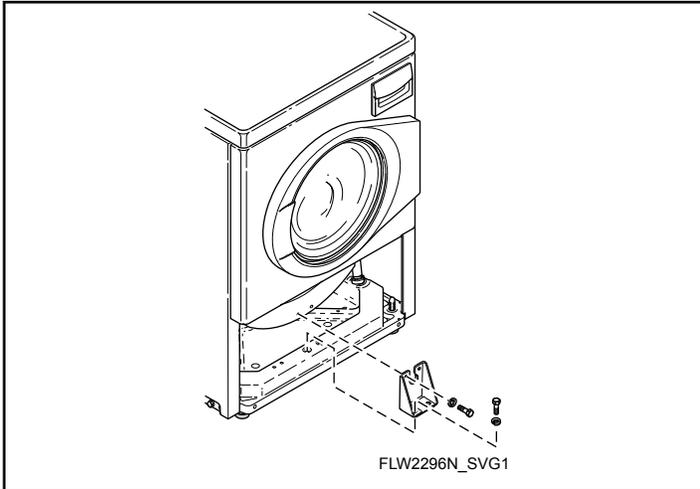


Figure 4

- Go to rear of washer and pull label from rear shipping bolts.
- Remove two 9/16 inch bolts. Unscrew each bolt while applying forward pressure just until bolt stops unthreading. Work each bolt and spacer out by hand using a circular motion.

NOTE: Avoid backing bolts out completely or spacers might fall into cabinet.

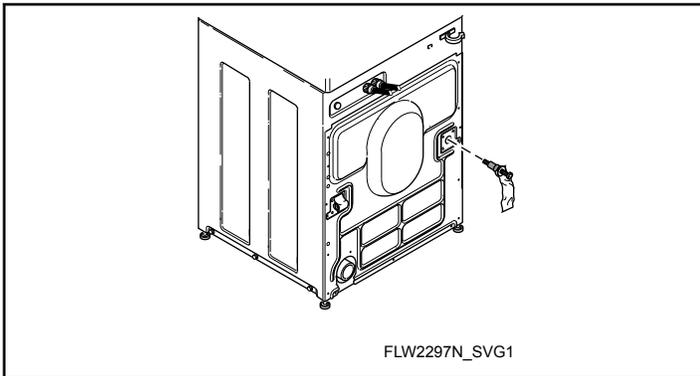


Figure 5

- Insert two plugs included in accessories bag into rear shipping bolt holes.

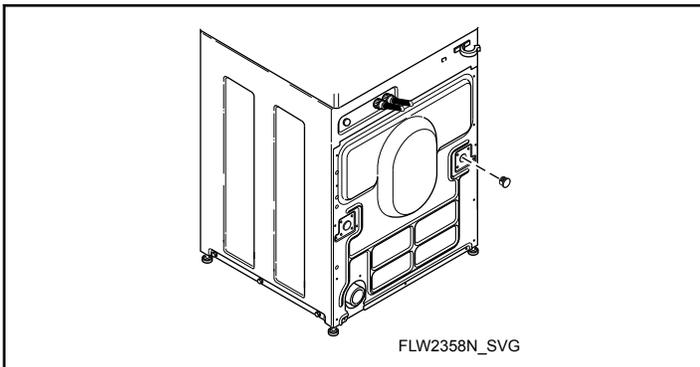


Figure 6

- Replace front access panel.
- Save all shipping materials. They must be reinstalled any time washer is moved more than four feet.

IMPORTANT: Do not lift or transport unit from front or without shipping materials installed. Refer to the User's Guide for proper instructions on reinstalling the shipping materials.

Connect Fill Hoses



WARNING

Under certain conditions, hydrogen gas may be produced in a hot water system that has not been used for two weeks or more. **HYDROGEN GAS IS EXPLOSIVE.** If the hot water system has not been used for such a period and before using the washer, turn on all hot water faucets and let the water flow from each for several minutes. This will release any accumulated hydrogen gas. The gas is flammable. Do not smoke or use an open flame during this time.

W029

Water Supply Requirements

Water supply faucets must fit standard 3/4 inch [19 mm] female garden hose couplings. **DO NOT USE SLIP-ON OR CLAMP-ON CONNECTIONS.**

NOTE: Water supply faucets should be readily accessible to permit turning them off when washer is not being used.

Recommended cold water temperature is 50° to 75° Fahrenheit [10° to 24° Celsius]. Recommended maximum hot water temperature is 125° Fahrenheit [51° Celsius]. Warm water is a mixture of hot and cold water. Warm water temperature is dependent upon the water temperature and the pressure of both the hot and cold water supply lines.



WARNING

To prevent personal injury, avoid contact with inlet water temperatures higher than 125° Fahrenheit [51° Celsius] and hot surfaces.

W748

Maximum flow rate for all water temperatures is 2.5 gallons per minute [9.46 liters per minute] ± 15%.

Water pressure must be a minimum of 20 to a maximum of 120 pounds per square inch [minimum of 138 to a maximum of 827 kPa] static pressure measured at the faucet.

NOTE: Water pressure under 20 pounds per square inch [138 kPa] will cause an extended fill time in the washer and may not properly flush out the detergent dispenser.

Turn on the water supply faucets and flush the lines for approximately two minutes to remove any foreign materials that could clog the screens in the water mixing valve. This is especially important when installing your washer in a newly constructed or renovated building. Build-up may have occurred during construction.

Connecting Hoses

1. Insert rubber washers and filter screens (from accessories bag) in water fill hose couplings (two hoses supplied with washer). The filter screen must be facing outward.
2. Connect fill hose couplings with filter screens to water supply faucets.
3. Connect the other hose couplings to the hot and cold valve connections at the rear of the washer.
4. Thread hose couplings onto valve connections finger tight. Then turn 1/4 turn with pliers.

IMPORTANT: DO NOT cross thread or overtighten couplings. This will cause them to leak.

5. Turn water on and check for leaks.
6. If leaks are found, retighten the hose couplings.
7. Continue tightening and rechecking until no leaks are found.

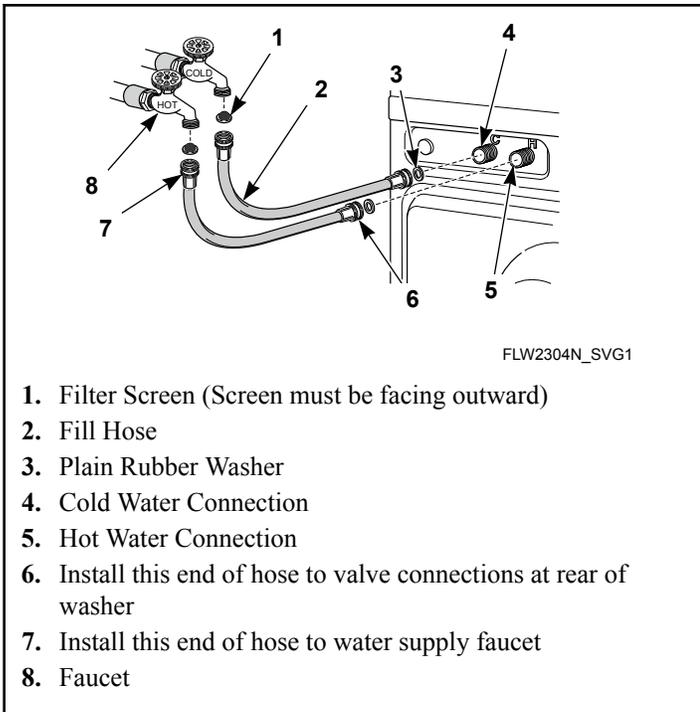


Figure 7

IMPORTANT:

Hoses and other rubber parts deteriorate after extended use. Hoses may develop cracks, blisters or material wear from the temperature and constant high pressure they are subjected to.

All hoses should be checked on a monthly basis for any visible signs of deterioration. Any hose showing the signs of deterioration listed above should be replaced immediately. All hoses should be replaced every five years.

IMPORTANT: Turn off water supply faucets after check-out and demonstration. Owner should turn off water supply whenever there will be an extended period of non-use.

NOTE: Longer fill hoses are available (as optional equipment at extra cost) if the hoses (supplied with the washer) are not long enough for the installation. Order hoses as follows:

- No. 20617 Fill Hose: 8 feet [2.44 m]
- No. 20618 Fill Hose: 10 feet [3.05 m]

Connect Drain Hose to Drain Receptacle

Remove the drain hose from its shipping position on the rear of the washer by unhooking the hose from the retainer clamp and by removing the shipping tape.

Install the drain hose into the drain receptacle (standpipe, wall or laundry tub) following the instructions below.

IMPORTANT: Drain receptacle must be capable of handling a minimum of 1-1/4 inch [32 mm] outside diameter drain hose.

Drain Flow Rate	
Drain Height	Flow Rate gallons per minute [liters per minute]
3 ft. [0.9 m]	8.6 [32.7]
5 ft. [1.5 m]	6.8 [25.9]
6 ft. [1.8 m]	6.0 [22.7]
7 ft. [2.1 m]	5.1 [19.5]
8 ft. [2.4 m]	4.0 [15.2]

Standpipe Installation

1. Place the drain hose into the standpipe.
2. Remove the beaded tie-down strap from accessories bag and place around standpipe and drain hose. Refer to *Figure 8*.

Installation

- a. Insert the end of the beaded strap into the larger hole found on the end of the strap.
- b. Tighten to desired fit.
- c. Lock strap in place by pulling beaded strap into the tapered smaller opening of the beaded strap end. A distinct snap noise should be heard once the strap is properly seated.
- d. Pull on the strap once locked in place to ensure beaded strap is properly installed. This will prevent the drain hose from dislodging from drain receptacle during use.

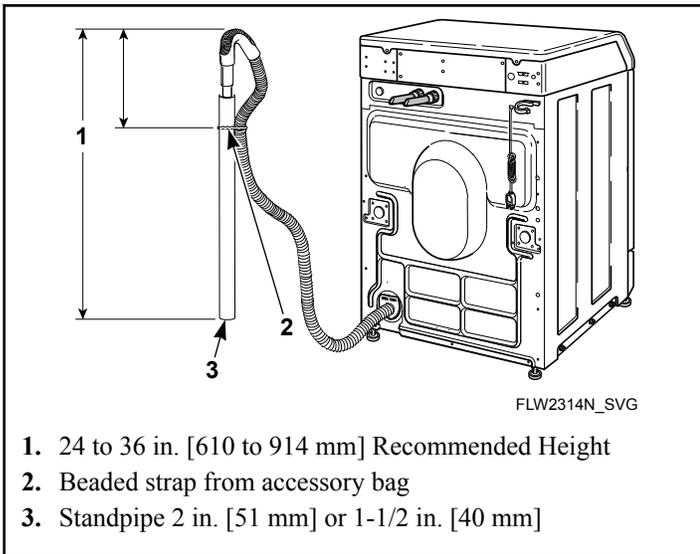


Figure 8

Wall Installation

For installations of this type, the drain hose **MUST** be secured to one of the fill hoses using the beaded strap from accessories bag. Refer to *Figure 9*.

NOTE: End of drain hose must not be below 24 in. [610 mm].

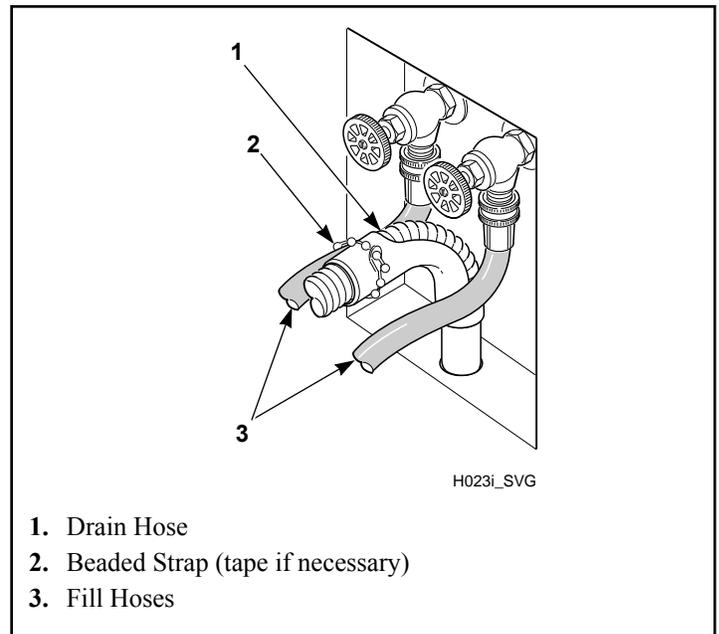


Figure 9

Laundry Tub Installation

For this type of installation, the drain hose **MUST** be secured to the stationary tub to prevent hose from dislodging during use. Refer to *Figure 10*. Use the beaded strap (supplied in accessories bag) to secure hose.

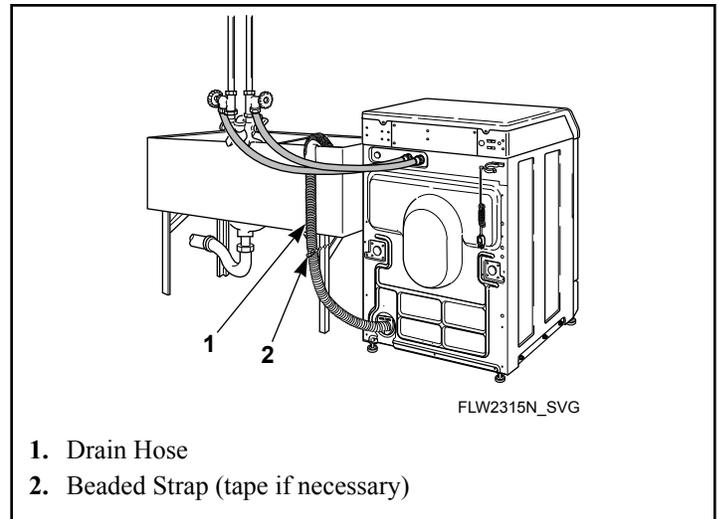


Figure 10

Position and Level the Washer



WARNING

Washers elevated above floor level must be anchored to that elevated surface, base or platform. The material used to elevate the washer should also be anchored to the floor to ensure that the washer will not walk or that the washer can not be physically pulled, tipped or slid from its installed position. Failure to do so may result in conditions which can produce serious injury, death and/or property damage.

W306

1. Position unit so it has sufficient clearance for installation and servicing.

NOTE: Use of the dispenser drawer or washer door as a handle in the transportation of the washer may cause damage to the dispenser or door.

2. Place unit in position on a solid, sturdy and level floor. Installing the unit on any type of carpeting, soft tile or other weakly supported structures is not recommended.
3. Place a level on the raised portion of cabinet top and check if the unit is level from side to side and front to back.
4. If unit is not level, tilt unit to access the front and rear leveling legs. For easier access to leveling legs, prop up unit with a wooden block.
5. Loosen 7/8 in. locknut and adjust legs by screwing into or out of unit base until the unit is level from side to side and front to back (using a level). Unit should not rock.

NOTE: Leveling legs can also be adjusted from inside the unit using an adjustable wrench.

6. Tighten the locknuts securely against the unit base. If the locknuts are not tight, unit will move out of position during operation.

NOTE: DO NOT slide unit across floor if the leveling legs have been extended. Legs and base could become damaged.

7. Remove rubber feet from accessories bag and place on all four leveling legs.
8. Verify that unit doesn't rock.

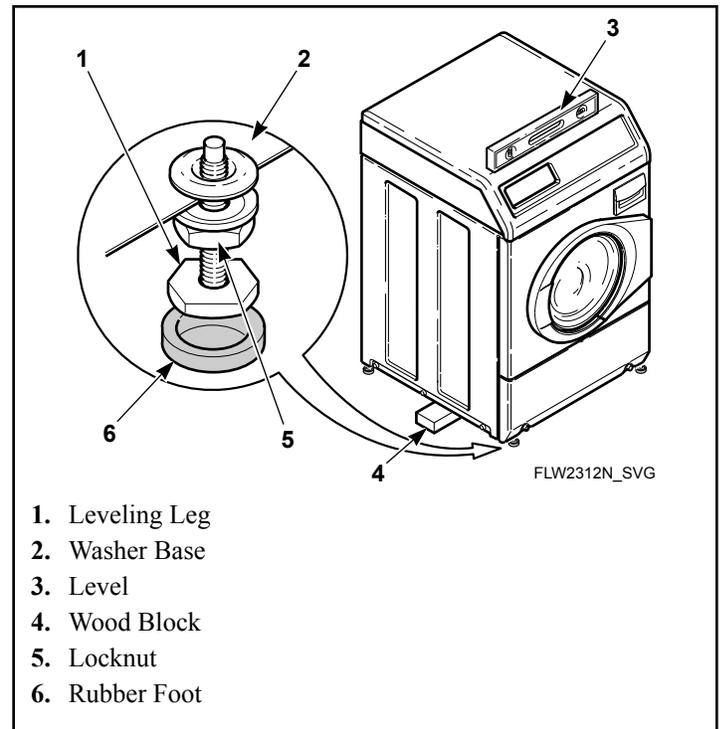


Figure 11

Wipe Out Inside of Wash Drum

Prior to first wash, use an all purpose cleaner or a detergent and water solution and a damp cloth to remove shipping dust from inside of the washer.

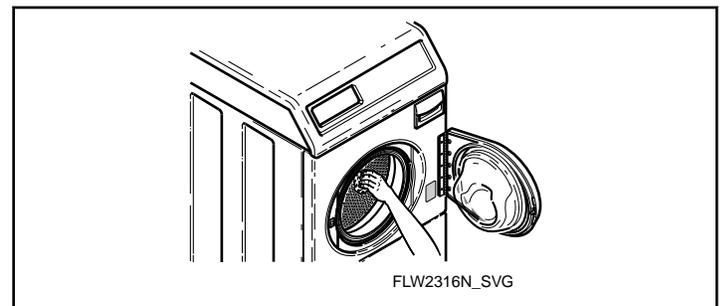


Figure 12

Supply Injection Models Only - Connect External Supplies to Washer

IMPORTANT: Undiluted chemical dripping can damage the washer.

1. Remove two nozzles from accessories bag. Use either the 3/8 inch or 1/4 inch nozzles, depending on the diameter of the dispenser tubing used.
2. Attach nozzles to rear of machine. Connection point located on cabinet, above water mixing valve. Refer to *Figure 13*.
3. Connect supply hoses to nozzles and secure with hose clamps (obtain locally). Refer to *Figure 13*.

NOTE: Hoses can be connected to either nozzle.

4. Refer to supply injection system instructions and label inside washer junction box cover (*Figure 14*) for electrical connection.
5. Do not attempt to make supply injection electrical connections to points other than those provided specifically for that purpose by the factory.
6. Refer to supply injection system instructions for details on operation.

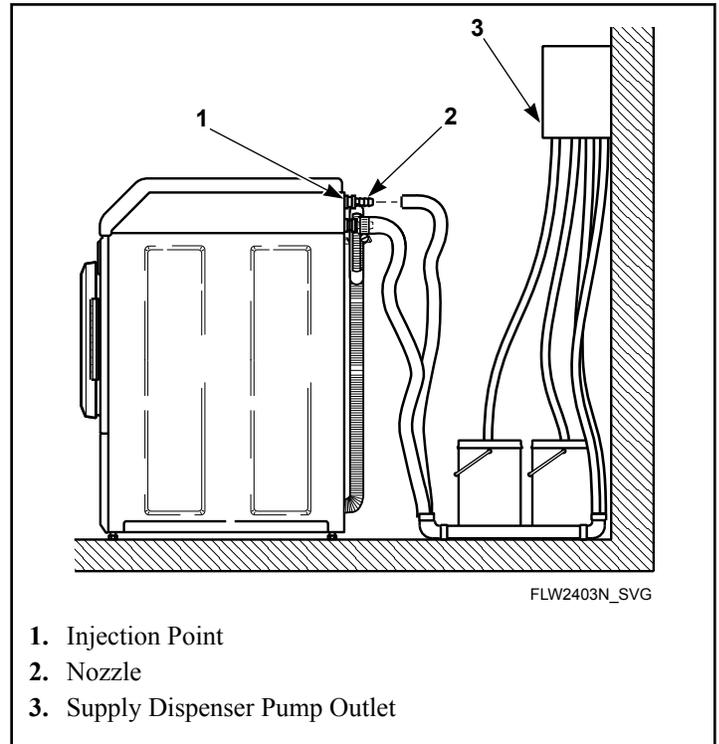


Figure 13

A junction box on the rear panel houses a terminal strip which furnishes supply output signals for the supply injection pumps. These are dry contacts. Voltage needs to be supplied. Refer to the chemical injection electrical interface label.

Supply Injection System	
Number of liquid supply connections (1–Detergent and 2–Softener)	2
Liquid supply connection size, in. [mm]	3/8 [9.52] or 1/4 [6.35]

Table 1

WARNING

Wear eye and hand protection when handling chemicals; always avoid direct contact with raw chemicals. Read the manufacturer’s directions for accidental contact before handling chemicals. Ensure an eye-rinse facility and an emergency shower are within easy reach. Check at regular intervals for chemical leaks.

SW016

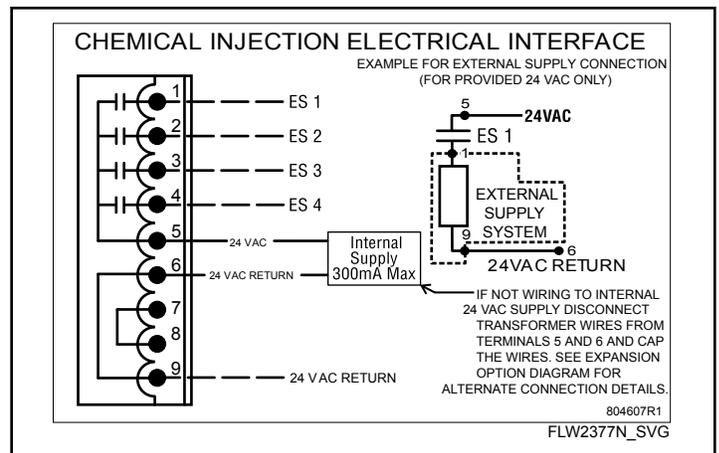


Figure 14

These terminals may be used to provide signals to the supply injection system but must not be used to provide power to the actual pump.

Any injection system pump which requires 110 VAC must be powered by a separate external power source.

Supply Injection Signals

External Supply/Auxiliary Output optional relays are located on an optional output board. The relays are used to transmit a low voltage signal to external devices. Each relay is used to control a different external dispenser output through an auxiliary output board.

External Supply 1 (Detergent/Bleach)

External Supply Relay 1 will turn on 20 seconds after the water valves during these steps if applicable: Wetting, Pre-Wash, Heat and Wash Fill/Agitate. If the cycle is programmed (select models only) to go directly from the Wetting to one of the other steps, it will remain on from the Wetting step until the drum is sensed as full.

External Supply 2 (Softener)

External Supply Relay 2 will be turned on with the Softener dispenser during the Final Rinse.

External Supply 3 (In Use Output)

External Supply Relay 3 will be on while the machine is running a cycle in the following modes: Delay Start, Delay Start Pause, Door Locking, Door Unlocking, Overflow, Pause, or Run Mode.

External Supply 4 (End of Cycle Output)

External Supply Relay 4 turns on at the end of the cycle along with the End of Cycle audio tone.

Control Function Test

The washer should be cleaned after the installation is complete. A function test should then be executed on the unloaded machine:

1. Check the power supply for such characteristics as correct voltage, phase, and cycles to be certain they are correct for the washer.
2. Open manual shut-off valves to the washer.
3. Apply power to the washer.

Plug In the Washer

Electrical Requirements

120 Volt, 60 Hertz with 3-Prong Earth/Ground Plug

NOTE: The wiring diagram is located in the control cabinet.

	WARNING
<p>To reduce the risk of fire, electric shock, serious injury or death, all wiring and protective earth/ground connections MUST conform with the latest edition of the National Electrical Code, ANSI/NFPA No. 70, and such local regulations as might apply. It is the customer's responsibility to have the wiring, fuses and circuit breakers installed by a qualified electrician to make sure adequate electrical power is available to the washer.</p>	
W824	

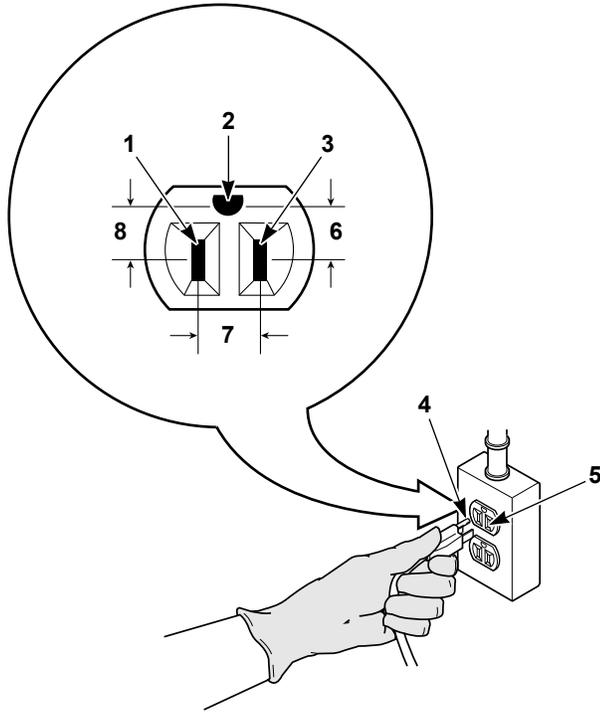
When plugging in the washer:

- DO NOT overload circuits.
- DO NOT use an extension cord.
- DO NOT use an adapter.
- DO NOT operate other appliances on the same circuit. Use separately fused 15 Amp circuits.

The washer is designed to be operated on a separate branch, polarized, three-wire, effective earth/ground, 120 Volt, 60 Hertz, AC (alternating current), circuit protected by a 15 ampere fuse, equivalent fusetron or circuit breaker.

The three-prong earth/ground plug on the power cord should be plugged directly into a polarized three-slot effective earth/ground receptacle rated 110/120 Volts AC (alternating current) 15 Amps. Refer to *Figure 15* to determine correct polarity of the wall receptacle.

Standard 120 Volt, 60 Hertz 3-Wire Effective Earth/ Ground Circuit



TLW2287N_SVG

- 1. L1
- 2. Earth/Ground
- 3. Neutral Side
- 4. Round Earth/Ground Prong
- 5. Neutral
- 6. 0 V.A.C.
- 7. 120 ± 12 V.A.C.
- 8. 120 ± 12 V.A.C.

Figure 15

led and connected to a protective earth/ground in accordance with all local codes and ordinances.



WARNING

Improper connection of the equipment earth/ground conductor can result in a risk of electric shock. Check with a qualified electrician or service person if you are in doubt as to whether the unit is properly connected to a protective earth/ground.

W893

- DO NOT modify the plug provided with the unit – if it will not fit the outlet, have a proper outlet installed by a qualified electrician.
- If the laundry room’s electrical supply does not meet the above specifications and/or if you are not sure the laundry room has an effective earth/ground, have a qualified electrician or your local electrical utility company check it and correct any problems.



WARNING

This unit is equipped with a three-prong (earth/ground) plug for your protection against shock hazard and should be plugged directly into a protective earth/ground three-prong receptacle. Do not cut or remove the earth/ground prong from this plug.

W823

Check Installation

1. Refer to Installer Checklist on the back cover of this manual and make sure that unit is installed correctly.
2. Run washer with a test load to make sure it is operating properly and properly leveled.
 - a. Put about six pounds of laundry (four bath towels and three jeans) into washer.
 - b. Close door.
 - c. Select Spin cycle and press Start.
 - d. When washer spins at high speed, verify that it is stable.
 - e. If it is not, after cycle is complete, refer to Position and Level the Washer to readjust leveling legs.



WARNING

To reduce the risk of an electric shock or fire, DO NOT use an extension cord or an adapter to connect the washer to the electric power source.

W082

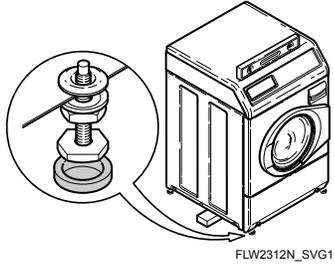
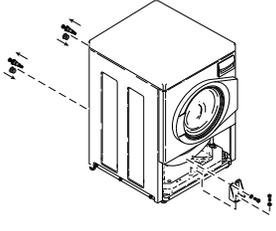
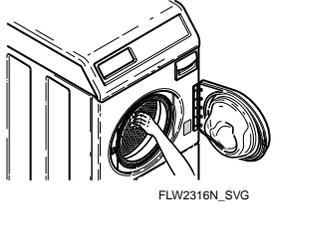
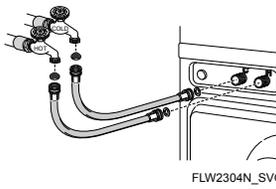
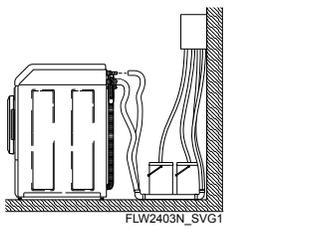
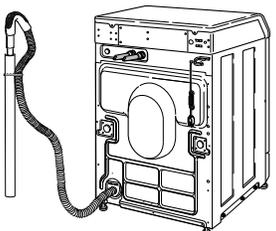
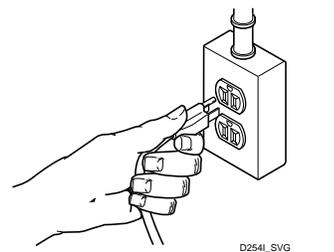
Earth/Ground Instructions

This appliance must be properly connected to protective earth/ground. In the event of malfunction or breakdown, the earth/ground will reduce the risk of electric shock by providing a path of least resistance for electric current.

The appliance is equipped with a cord having an equipment earth/ground conductor and a three-prong earth/ground plug. The plug must be plugged into an appropriate outlet that is properly instal-

Installer Checklist

Fast Track for Installing the Washer

1	Position Washer Near Installation Area.	5	Position and Level the Washer.	 <p>FLW2312N_SVG1</p>	
	CHECK		CHECK		
2	Remove the Shipping Materials and Install Plugs.	 <p>FLW2359N_SVG</p>	6	Wipe Out Inside of Washer.	 <p>FLW2316N_SVG</p>
	CHECK			CHECK	
3	Connect Fill Hoses.	 <p>FLW2304N_SVG</p>	7	Supply Injection Models Only - Connect External Supplies to Washer.	 <p>FLW2403N_SVG1</p>
	CHECK			CHECK	
4	Connect Drain Hose to Drain Receptacle.	 <p>FLW2314N_SVG1</p>	8	Plug In the Washer.	 <p>D254I_SVG</p>
	CHECK			CHECK	

Refer to the manual for more detailed information