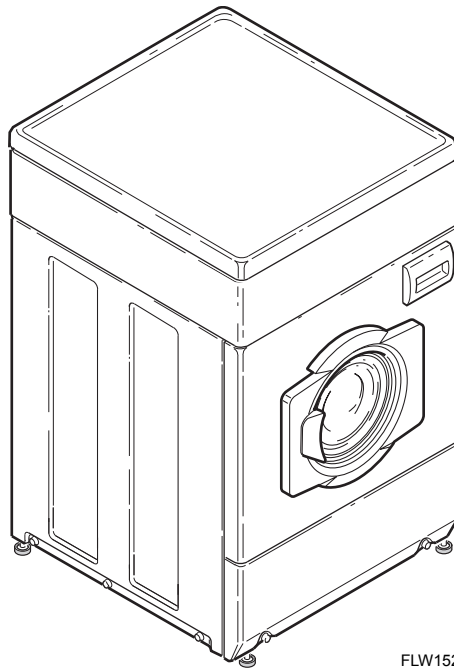


# Frontload Washers



FLW1522C

Para bajar una copia de estas instrucciones en español, visite [www.comlaundry.com](http://www.comlaundry.com).

**Keep These Instructions for Future Reference.**

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





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# Replacement Parts

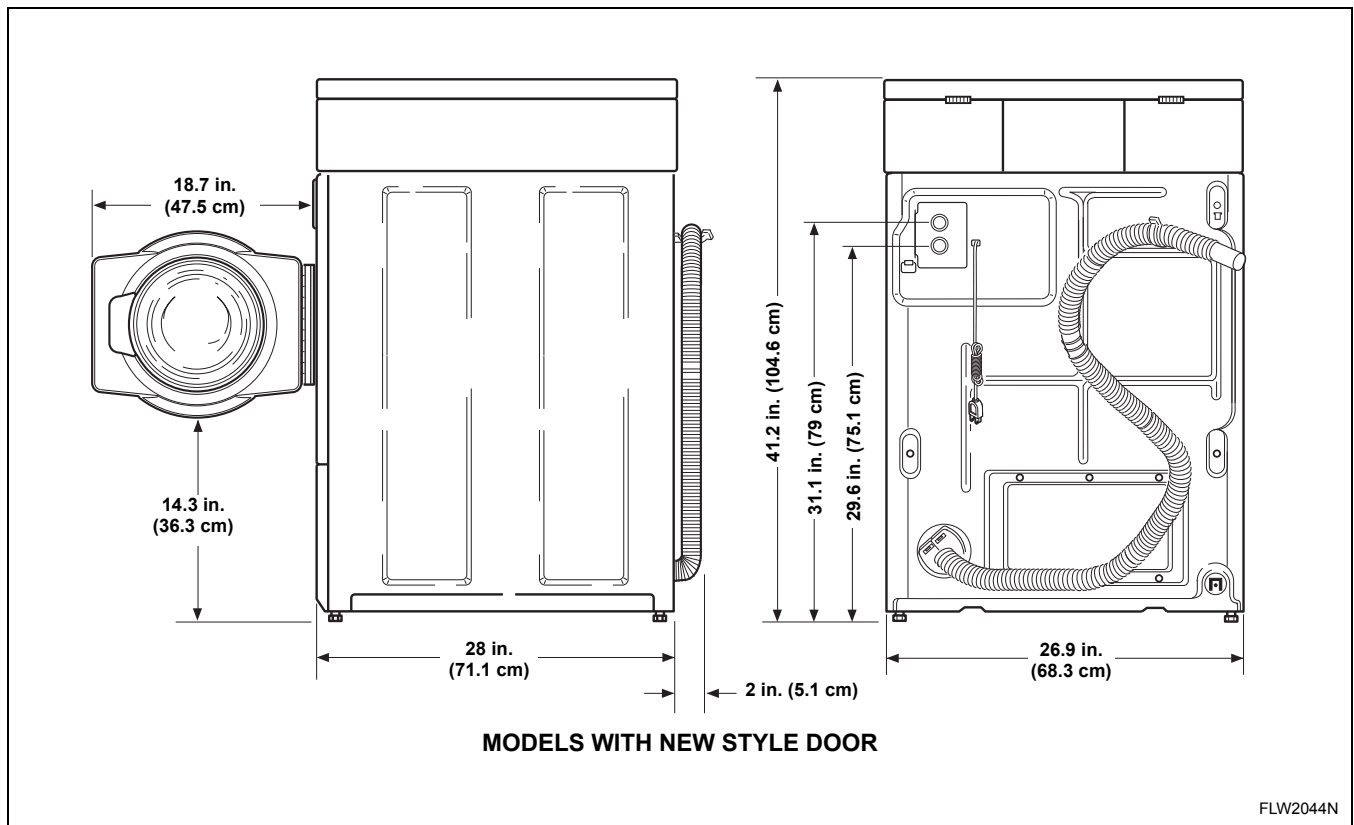
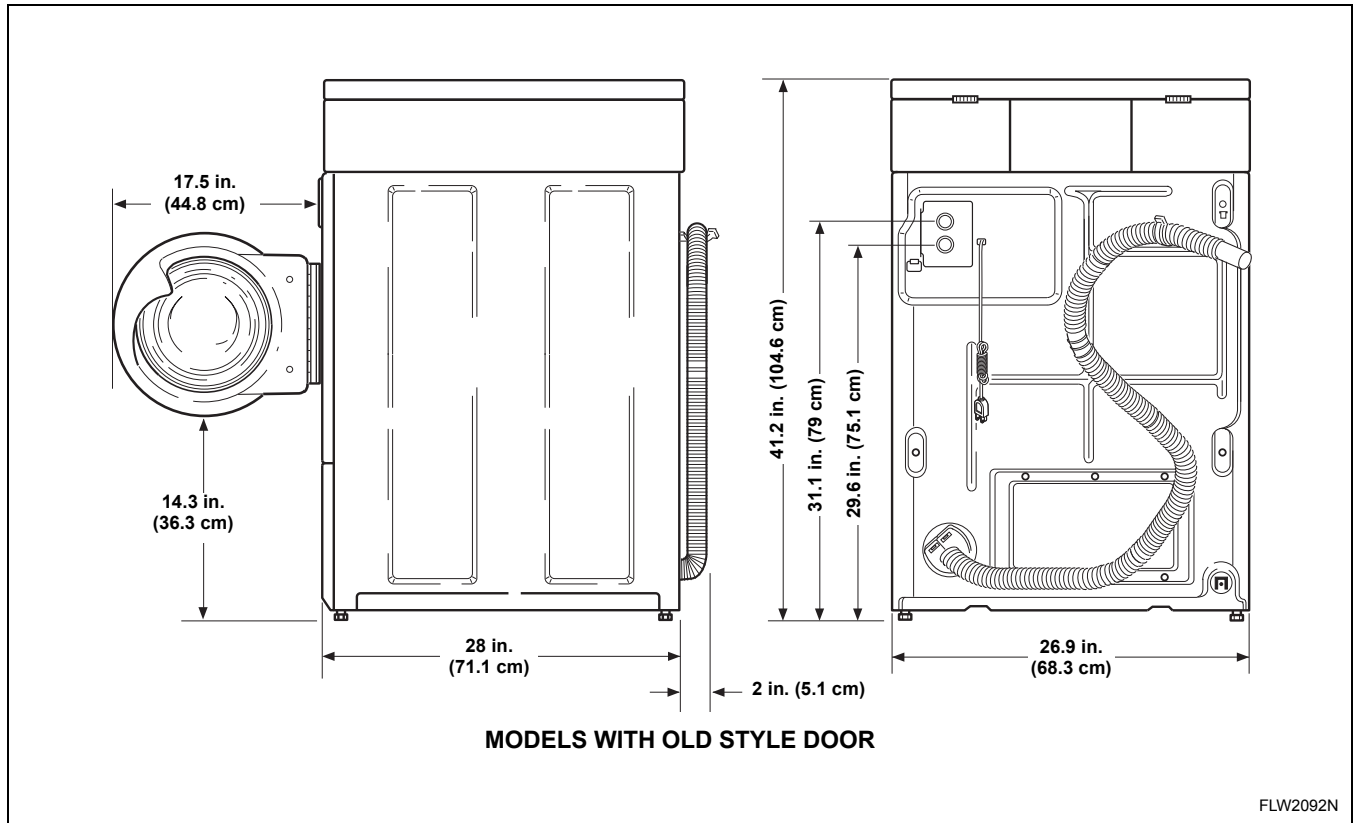
If replacement parts are required, contact the source from which you purchased your washer, or contact:

**Alliance Laundry Systems**  
**Shepard Street**  
**P.O. Box 990**  
**Ripon, WI 54971-0990**  
**U.S.A.**  
**Phone: (920) 748-3950**

for the name and address of the nearest authorized parts distributor.

# Installation

## Dimensions and Specifications



## Installation

### Before You Start

#### Tools

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

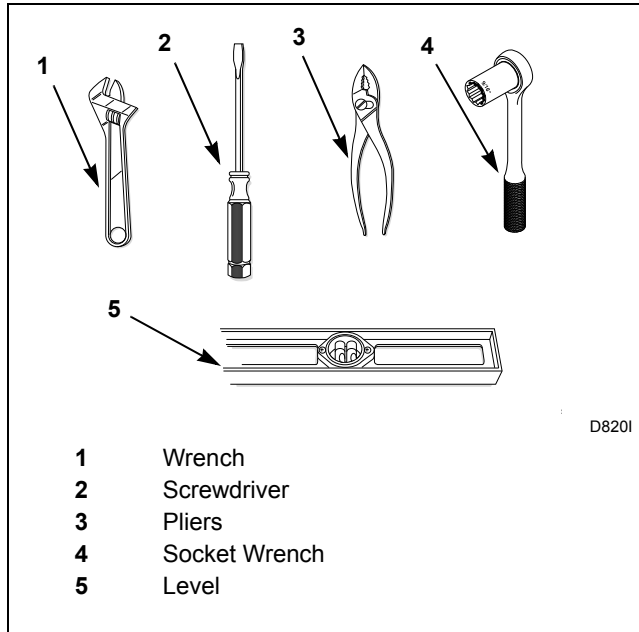


Figure 1

#### Electrical

Refer to serial plate for specific electrical requirements. For more detailed information refer to section on *Electrical Requirements*.

#### Water

Washer needs two standard 3/4 in. (19.1 mm) water supply faucets with a pressure between 20 and 120 pounds per square inch (138 to 827 kPa). For more detailed information refer to section on *Water Supply Requirements*.

#### Accessories Bag

An accessories bag has been shipped inside your washer. It includes:

- Two fill hoses with washers and filter screens. Refer to step 2 of *Installation*.
- Four rubber feet. Refer to step 4 of *Installation*.
- Beaded tie-down strap. Refer to step 3 of *Installation*.
- Installation instructions.
- Use and Care Guide.
- Operating insert.
- Warranty bond.
- Helpful Hints insert.
- Bag for storing shipping materials.

## Installing the Washer

**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.

### Step 1: Position Washer Near Installation Area

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

Move washer as close to the desired area of installation as possible.

**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, a platform or other weakly supported structures.



Figure 2

### Step 2: Connect Fill Hoses

**NOTE:** Refer to section on *Water Supply Requirements* before connecting fill hoses.

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.

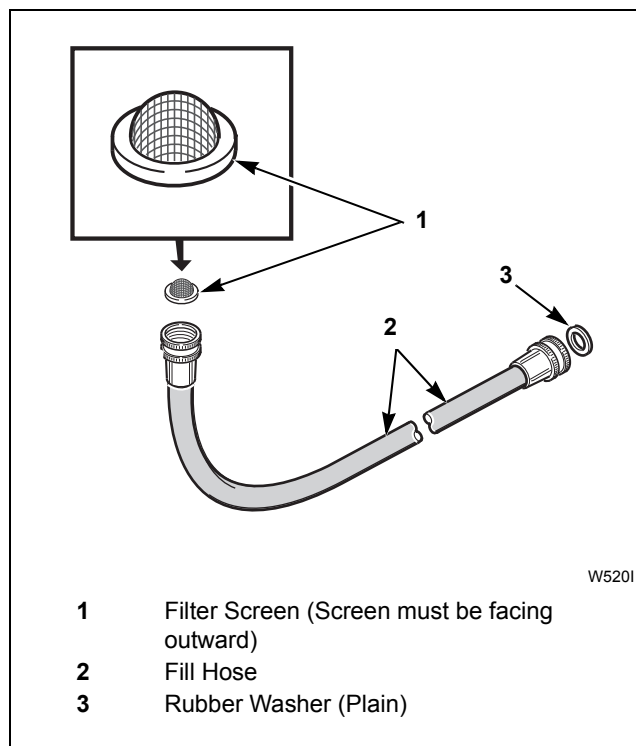
**NOTE:** When installing in newly constructed or renovated building, it is very important to flush the lines since build-up may have occurred during construction.

Remove the two plain rubber washers and two filter screens from accessories bag, and install them according to *Figure 3* and *Figure 4*.

**NOTE:** Check filter screens for debris or damage annually. Clean or replace them if necessary.

**IMPORTANT:** Thread hose couplings onto valve connections finger-tight, then approximately 1/4 turn with pliers. **DO NOT** cross thread or overtighten couplings.

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



- 1 Filter Screen (Screen must be facing outward)
- 2 Fill Hose
- 3 Rubber Washer (Plain)

Figure 3

## Installation

**IMPORTANT:** Hoses and other natural 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 yearly 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.

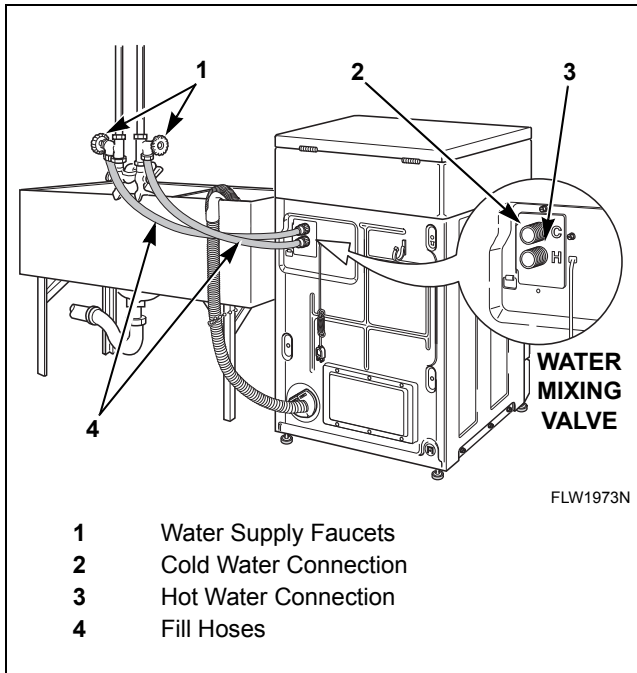


Figure 4

## Step 3: 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 shipping tape.

Find the instructions, on the following pages, that are appropriate for your type of drain receptacle (standpipe, sink, wall, or laundry tub). Follow these instructions to properly install the drain hose.

**IMPORTANT:** Drain receptacle must be capable of handling a minimum of 1-1/4 inch (3.2 cm) outside diameter drain hose.

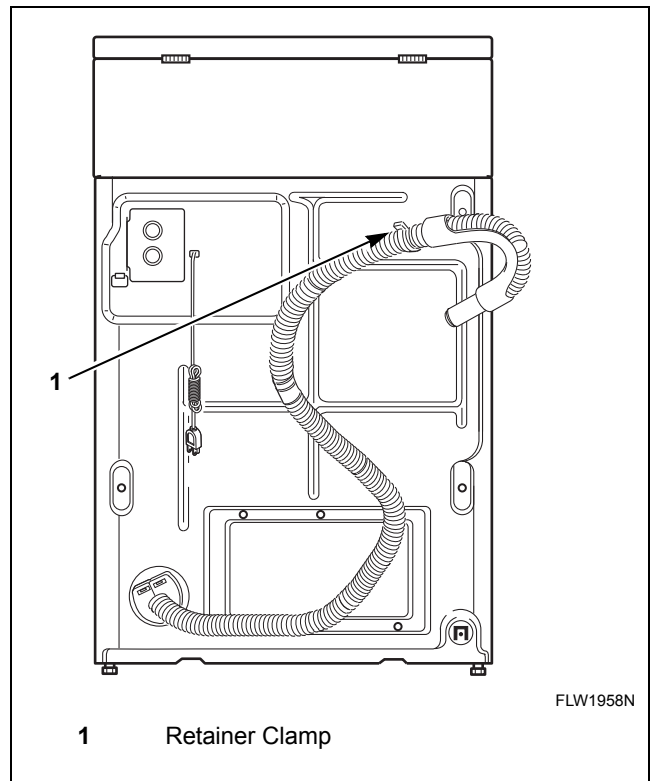


Figure 5

## Standpipe Installation

Place the drain hose into the standpipe.

Remove the beaded tie-down strap from accessories bag and place around standpipe and drain hose and tighten strap to hold hose to standpipe. This will prevent the drain hose from dislodging from drain receptacle during use.



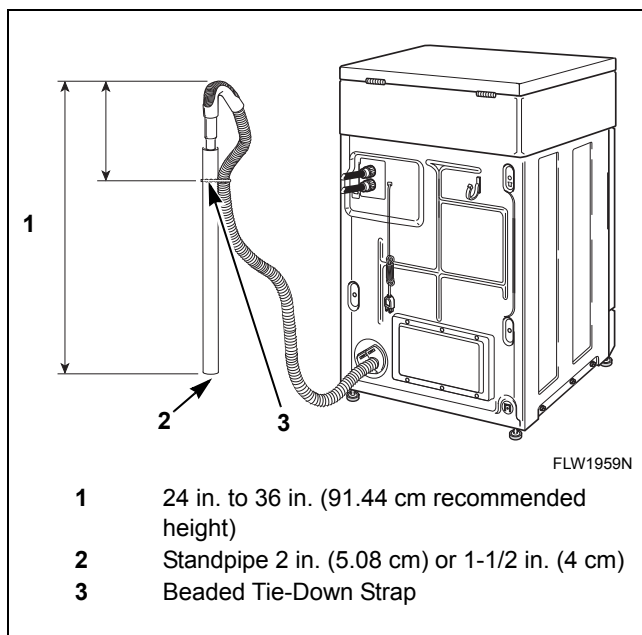


Figure 6

### Sink Installation

For this type of installation, use the beaded tie-down strap (supplied in accessories bag) or use a large wire tie (available from your local hardware store), and secure the drain hose to the cabinet top hinge (refer to *Figure 7*). This will prevent the drain hose from dislodging during use.

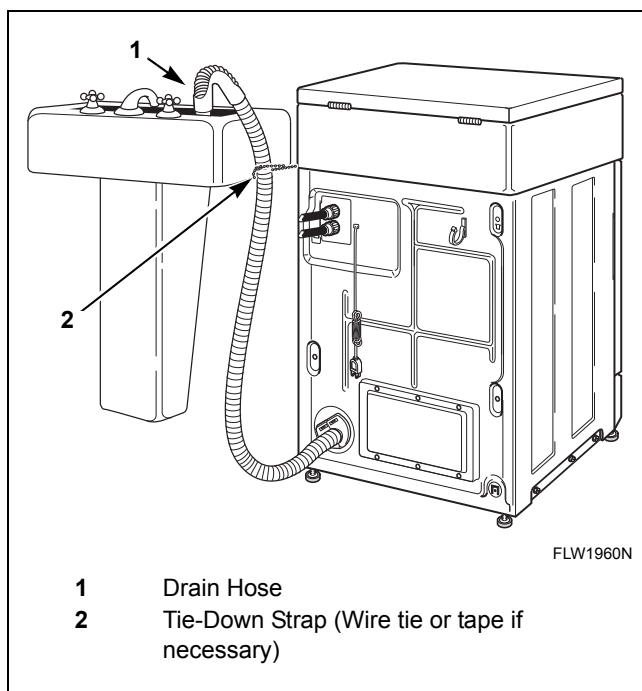


Figure 7

### In-the-Wall Installation

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

**NOTE: End of drain hose must not be below 24 in. (61 cm).**

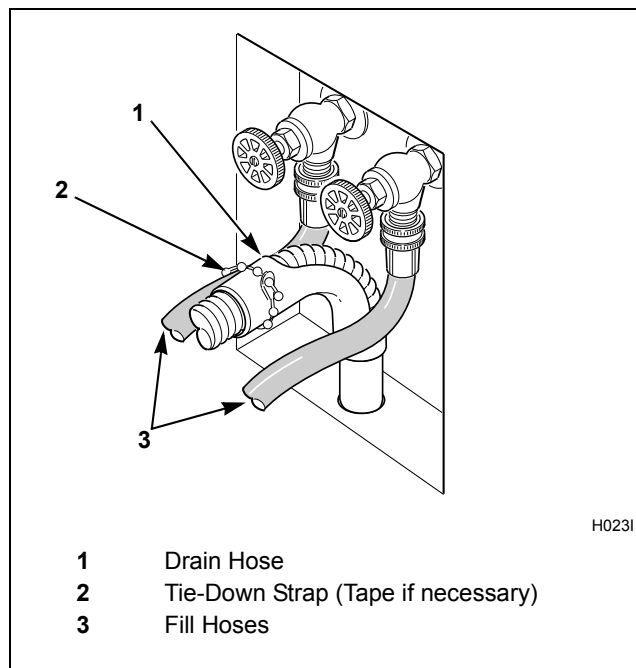


Figure 8

## Installation

### 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. Use the beaded tie-down strap (supplied in accessories bag) to secure hose.

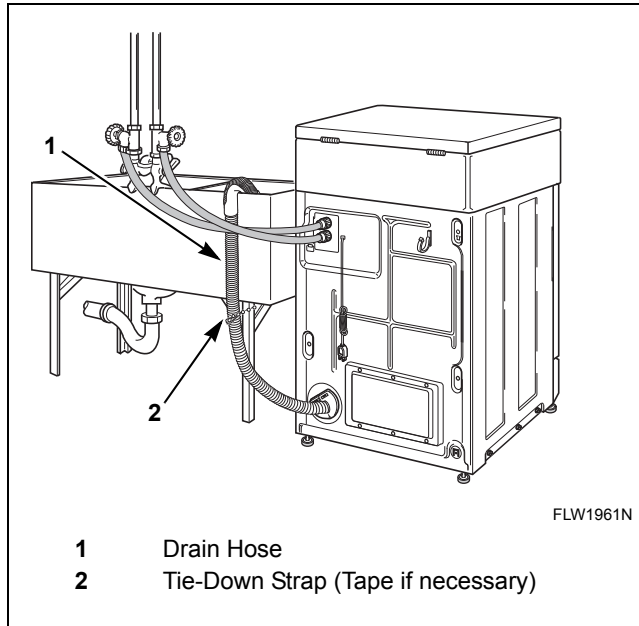


Figure 9

### Step 4: Position and Level the Washer

	<b>WARNING</b>
<p><b>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.</b></p>	
<small>W306</small>	

Place washer in position on a solid, sturdy and level floor. Installing the washer on any type of carpeting, soft tile, a platform or other weakly supported structures is not recommended.

Loosen 7/8 in. locknut and adjust the front and rear leveling legs until the washer is level from side to side and front to back (using a level). Washer should not rock.

**NOTE: Level must rest on raised portion of top panel. Refer to *Figure 10*.**

**Tighten the locknuts securely against the washer base using the 7/8 in. wrench. If the locknuts are not tight, washer will move out of position during operation.**

**NOTE: DO NOT slide washer across floor if the leveling legs have been extended, as legs and base could become damaged.**

**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.**

Remove rubber feet from accessories bag and place on all four leveling legs.

Verify that unit doesn't rock.

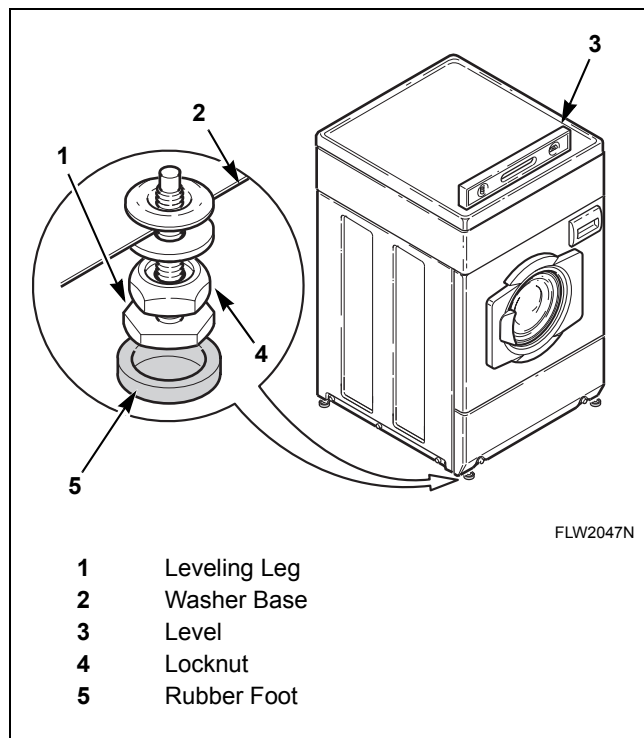


Figure 10

### Step 5: Remove the Shock Sleeves and Shipping Brace

Remove front access panel by removing the two screws.

Remove bolts and lockwashers from shipping brace with 9/16 in. wrench and remove brace. Remove shock sleeves by pulling on the yellow rope.

Remove label from front side of front access panel and place on backside of front access panel.

**NOTE: The shipping brace, bolts, lockwashers and shock sleeves should be saved and MUST be reinstalled whenever the unit is moved more than four feet. Do not lift or transport unit from front or without shipping materials installed.**

Store the shipping materials in the bag provided in the accessories bag. Save materials for use whenever the unit is moved.

**NOTE: The shipping materials MUST be reinstalled whenever the unit is moved. Refer to *Moving Unit to a New Location* section for proper instructions on reinstalling the shipping materials.**

Reinstall front access panel.

**IMPORTANT: DO NOT tip washer more than 6 inches (152.4 mm) in any direction after shipping brace has been removed. Shock absorbers may separate and damage to washer may result. For leveling purposes, the washer may be tilted a maximum of 6 inches (152.4 mm) in any direction.**

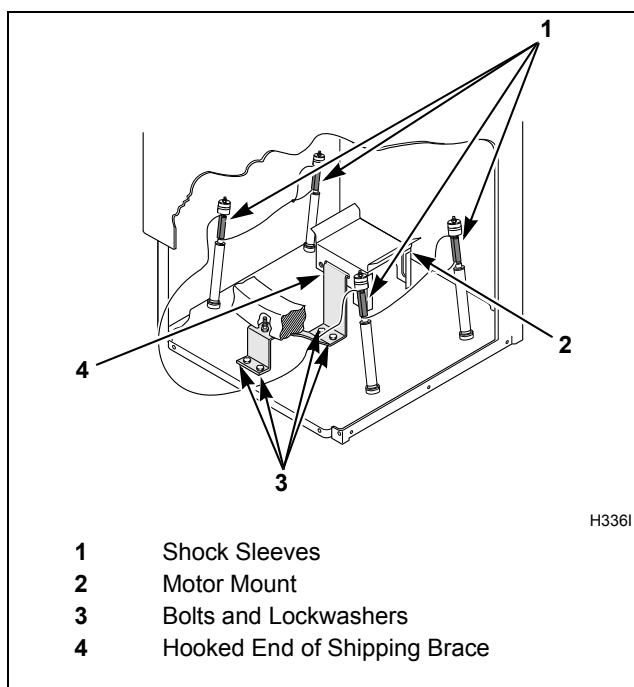


Figure 11

## Installation

### Step 6: Wipe Out Inside of Washer Drum

Before using the washer for the first time, use an all-purpose cleaner, or a detergent and water solution, and a damp cloth to remove shipping dust from inside the drum.

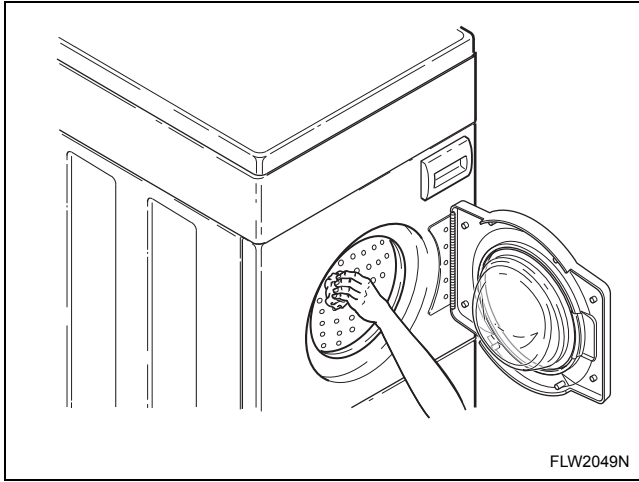


Figure 12

### Step 7: (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.

Do not attempt to make supply injection electrical connections to points other than those provided specifically for that purpose by the factory.

5. Refer to supply injection system instructions for details on operation.

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)

WARNING	
<p><b>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.</b></p>	
SW016	

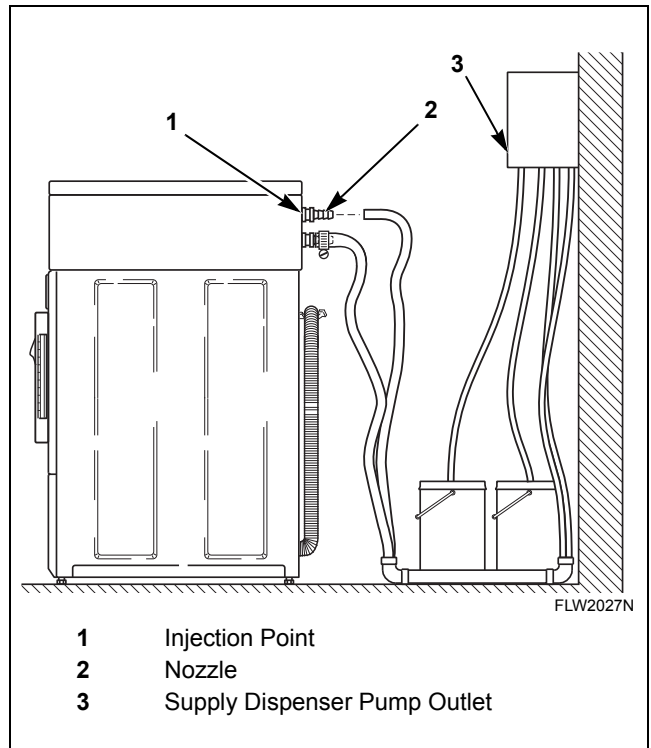


Figure 13

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 *Figure 14* for the injection interface label.

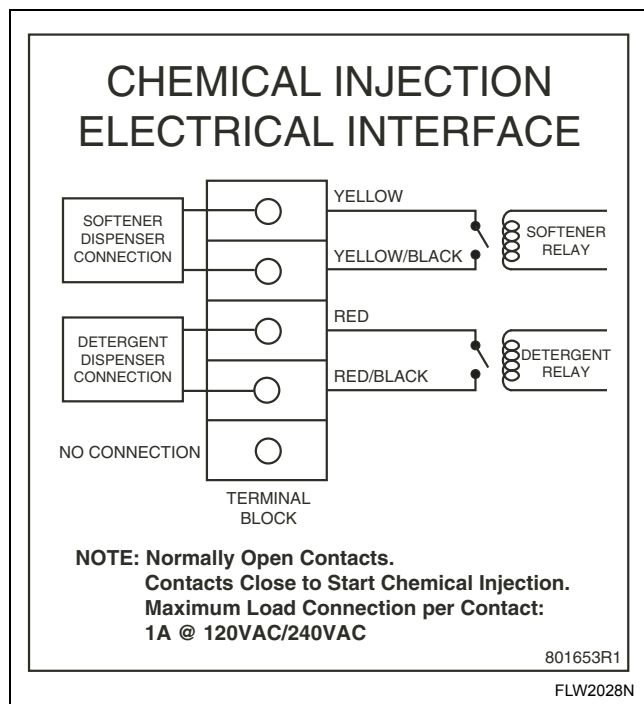


Figure 14

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.**

### 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.

### Step 8: Plug In the Washer

Refer to section on *Electrical Requirements* and connect the washer to an electrical power source.

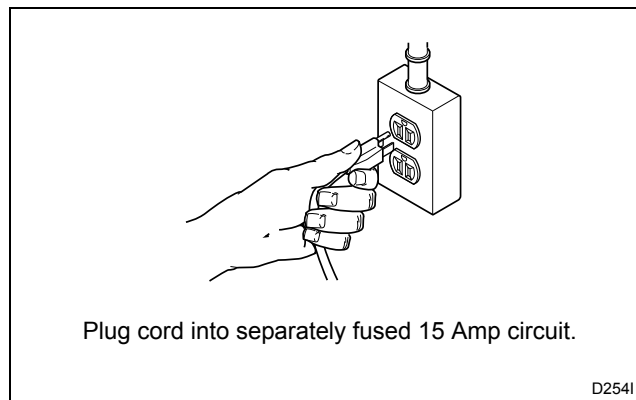


Figure 15

### Step 9: Check Installation

Refer to *Installer Checklist* on the back cover and make sure that unit is installed correctly.

### Moving Unit to a New Location

To prevent damage while moving the unit, the shipping materials **MUST BE** reinstalled.

### Reinstallation of Shipping Materials

Disconnect washer from electrical supply.

Remove front access panel by removing two screws.

Place the shock sleeves on all four shock absorbers. Refer to *Figure 16*.

Insert hooked end of shipping brace into the open slot of the motor mount. Attach with bolts and lockwashers. Refer to *Figure 16*.

Reinstall front access panel.

## Installation

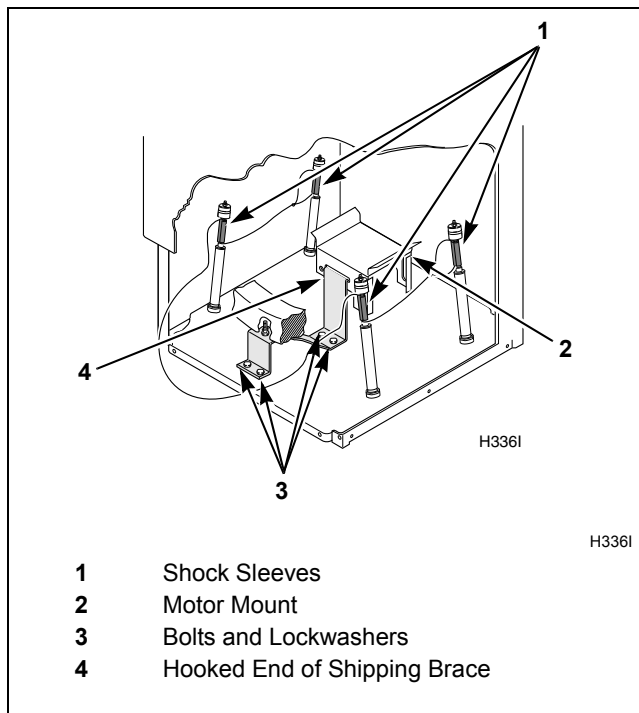


Figure 16

Refer to step 5 for proper procedures whenever the unit is moved.

## Electrical Requirements

(120 Volt, 60 Hertz with 3-Prong Grounding Plug)

**NOTE:** The wiring diagram is located behind the control panel, inside the control cabinet.


	<b>WARNING</b>
<p>To reduce the risk of fire, electric shock, serious injury or death, all wiring and grounding <b>MUST</b> 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 and fuses checked by a qualified electrician to make sure the laundry room has adequate electrical power to operate the washer.</p>	
W227	

<p><b>DO NOT OVERLOAD CIRCUITS</b></p> <p><b>DO NOT USE AN ADAPTER</b></p> <p><b>DO NOT USE AN EXTENSION CORD</b></p>	
D009I	

Figure 17


The washer is designed to be operated on a separate branch, polarized, three-wire, effectively grounded, 120 Volt, 60 Hertz, AC (alternating current) circuit protected by a **15 Ampere fuse**, equivalent fusetrone or circuit breaker.

The three-prong grounding plug on the power cord should be plugged directly into a polarized three-slot effectively grounded receptacle rated 110/120 Volts AC (alternating current) 15 Amps. Refer to *Figure 18* to determine correct polarity of the wall receptacle.

	<b>WARNING</b>
<p>To reduce the risk of an electric shock or fire, <b>DO NOT</b> use an extension cord or an adapter to connect the washer to the electric power source.</p>	
W082	


**Grounding Instructions**

The washer 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 electric current. The washer is equipped with a cord having an equipment-grounding conductor and a 3-prong 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.

	<b>WARNING</b>
<p>Improper connection of the equipment-grounding 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 washer is properly grounded.</p>	
W216	

**DO NOT** modify the plug provided with the washer – if it will not fit the outlet, have a proper outlet installed by a qualified electrician.

**NOTE:** Have a qualified electrician check the polarity of the wall receptacle. If a voltage reading is measured other than that illustrated, the qualified electrician should correct the problem.

	<b>WARNING</b>
<p>This unit is equipped with a three-prong (grounding) plug for your protection against shock hazard and should be plugged directly into a properly grounded three-prong receptacle. Do not cut or remove the grounding prong from this plug.</p>	
W213	

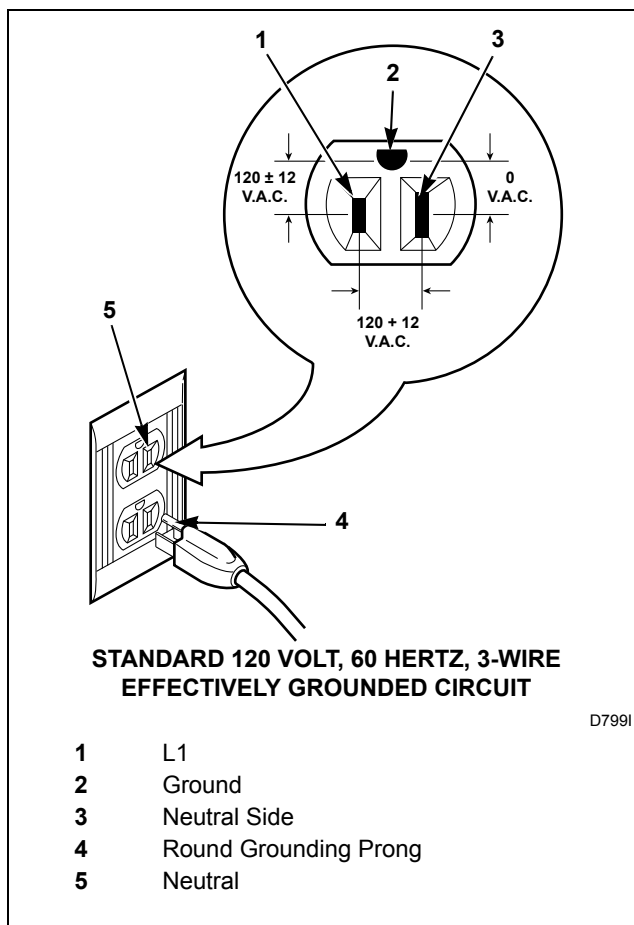



Figure 18

**DO NOT OPERATE OTHER APPLIANCES ON THE SAME CIRCUIT. DO NOT OVERLOAD CIRCUITS!**

Do not operate both a washer and gas dryer on the same circuit. Use separately fused 15 Amp circuits.

	<b>WARNING</b>
<p>To reduce the risk of electric shock or fire, <b>DO NOT</b> use an extension cord or an adapter to connect the washer to the electrical power source.</p>	
W031	



## Water Supply Requirements

	<b>WARNING</b>
<p>Under certain conditions, hydrogen gas may be produced in a hot water system that has not been used for two weeks or more. <b>HYDROGEN GAS IS EXPLOSIVE.</b> 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.</p>	
W029	

**NOTE:** Water supply faucets must fit standard 3/4 in. (19.1 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.

### Water Temperature

#### Cold:

Recommended cold water temperature is 60° to 80° Fahrenheit (16° to 27° Celsius).

#### Hot:

Recommended hot water temperature is 120° to 140° Fahrenheit (49° to 60° Celsius).

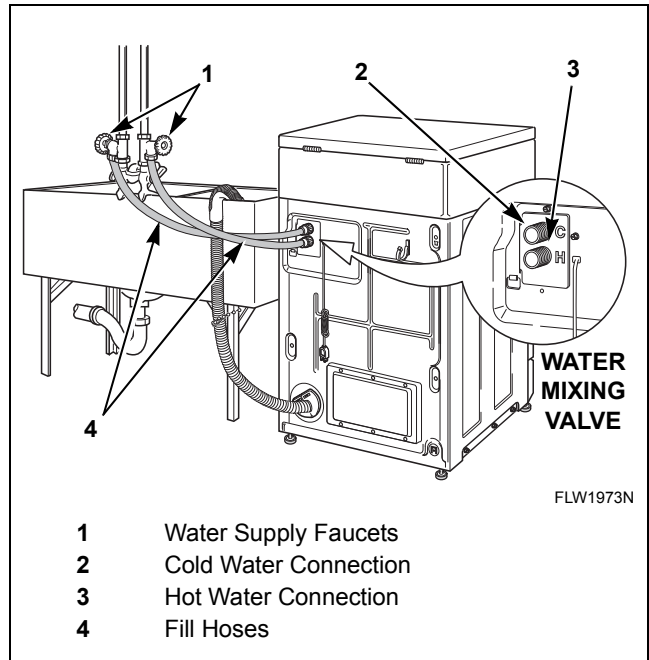
#### Warm:

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).

**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 ft.) (2.44 m)
- No. 20618 Fill Hose (10 ft.) (3.05 m)



- 1 Water Supply Faucets
- 2 Cold Water Connection
- 3 Hot Water Connection
- 4 Fill Hoses

Figure 19

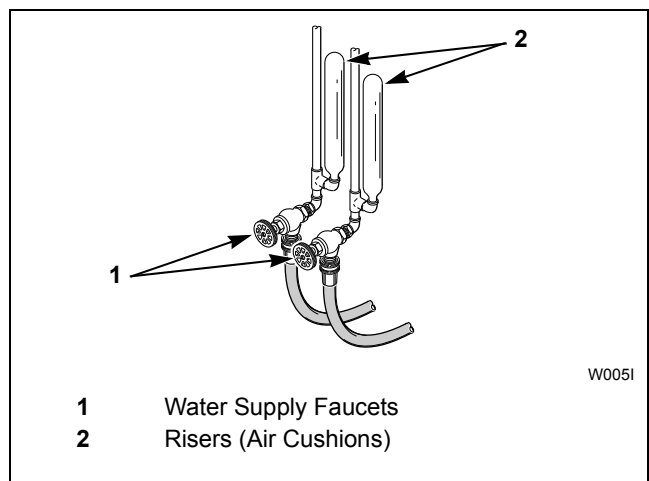
### Water Pressure

Pressure must be a minimum of 20 to a maximum of 120 pounds per square inch (138 to 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.

### Risers

Risers (or air cushions) may have to be installed if the pipes knock or pound when flow of water stops. The risers are more efficient when installed as close as possible to the water supply faucets (refer to Figure 20).



- 1 Water Supply Faucets
- 2 Risers (Air Cushions)

Figure 20



### Information for Handy Reference

Alliance Laundry Systems  
Shepard Street  
P.O. Box 990  
Ripon, WI 54971-0990  
U.S.A.

Date Purchased \_\_\_\_\_

Model Number \_\_\_\_\_ Serial Number \_\_\_\_\_

Dealer's Name \_\_\_\_\_

Dealer's Address \_\_\_\_\_ Phone Number \_\_\_\_\_

Service Agency \_\_\_\_\_

Service Agency Address \_\_\_\_\_ Phone Number \_\_\_\_\_

**NOTE: Record the above information and keep your sales slip. Model and serial numbers are located on the nameplate.**






# Installer Checklist

## Fast Track for Installing the Washer

(Refer to the manual for more detailed information)

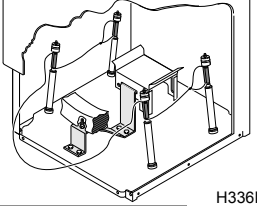
**1** • Position Washer Near Installation Area.



CHECK

FLW702N

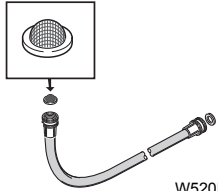
**5** • Remove the Shock Sleeves and Shipping Brace.



CHECK

H336I

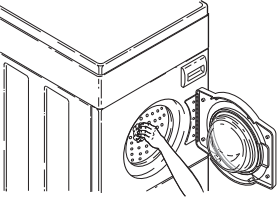
**2** • Connect Fill Hoses.



CHECK

W520I

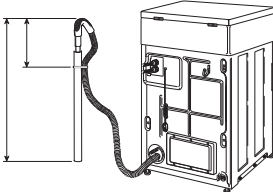
**6** • Wipe Out Inside of Washer Drum.



CHECK

FLW2049N

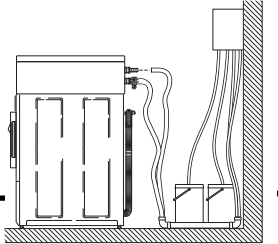
**3** • Connect Drain Hose to Drain Receptacle.



CHECK

FLW1959N

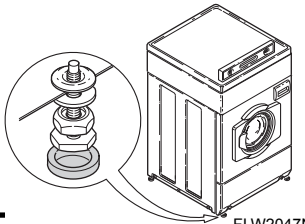
**7** — (Supply Injection Models Only)  
• Connect External Supplies to Washer.



CHECK

FLW2027N

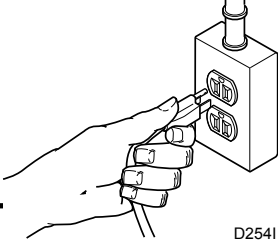
**4** • Position and Level the Washer.



CHECK

FLW2047N

**8** • Plug In the Washer.



CHECK

D254I