Installation Instructions

for Stacked Washer/Dryers

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.)

Alliance™ Laundry Systems

www.speedqueen.com

Part No. 807638ENR1
October 2022

WARNING

WARNING



Risk of fire. Highly flammable material.

W881



Read all instructions before using unit.

WARNING

FOR YOUR SAFETY, the information in this manual must be followed to minimize the risk of fire or explosion or to prevent property damage, personal injury or death.

W033

WARNING

- **Do not store or use gasoline or other flammable vapors and liquids in the vicinity of this or any other appliance.**
- **WHAT TO DO IF YOU SMELL GAS:**
  - **Do not try to light any appliance.**
  - **Do not touch any electrical switch; do not use any phone in your building.**
  - **Clear the room, building or area of all occupants.**
  - **Immediately call your gas supplier from a neighbor's phone. Follow the gas supplier's instructions.**
  - **If you cannot reach your gas supplier, call the fire department.**
- **Installation and service must be performed by a qualified installer, service agency or the gas supplier.**

W052

IMPORTANT: Purchaser must consult the local gas supplier for suggested instructions to be followed if the dryer user smells gas. The gas utility instructions plus the SAFETY and WARNING note directly above must be posted in a prominent location near the dryer for customer use.

WARNING

- **Installation of unit must be performed by a qualified installer.**
- **Install clothes dryer according to manufacturer's instructions and local codes.**
- **DO NOT install a clothes dryer with flexible plastic venting materials. If flexible metal (foil type) duct is installed, it must be of a specific type identified by the appliance manufacturer as suitable for use with clothes dryers. Refer to section on connecting exhaust system. Flexible venting materials are known to collapse, be easily crushed, and trap lint. These conditions will obstruct clothes dryer airflow and increase the risk of fire.**

W729R1

WARNING

To reduce the risk of severe injury or death, follow all installation instructions. Save these instructions.

W894

WARNING

FOR YOUR SAFETY

Do not store or use gasoline or other flammable vapors and liquids in the vicinity of this or any other appliance.

W053

This product uses FreeRTOS V7.2.0 (www.freertos.org).

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The following information applies to the state of Massachusetts, USA.

- This appliance can only be installed by a Massachusetts licensed plumber or gas fitter.
- This appliance must be installed with a 910 mm [36 inch] long flexible gas connector.
- A “T-Handle” type gas shut-off valve must be installed in the gas supply line to this appliance.
- This appliance must not be installed in a bedroom or bathroom.

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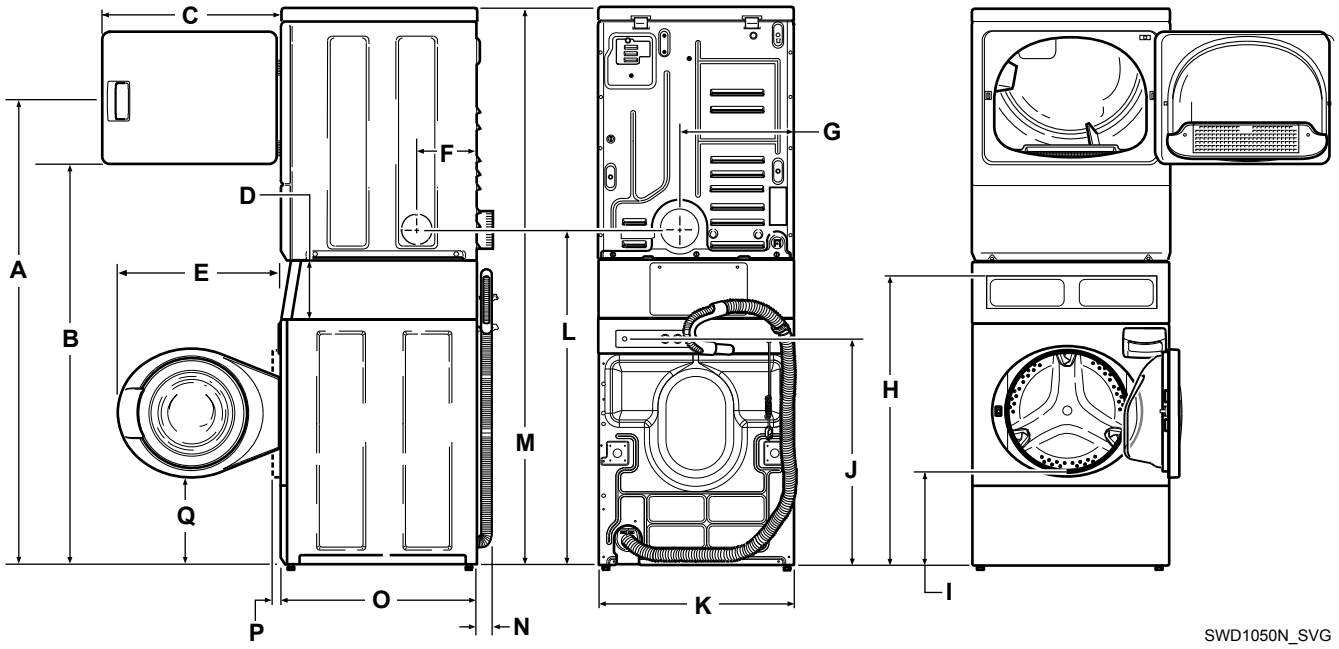
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Dimensions

Electric Models



A	* 1678 mm [66.06 in.]
B	* 1447 mm [56.97 in.]
C	597 mm [23.5 in.]
D	213 mm [8.375 in.]
E	610 mm [24 in.]
F	203 mm [8 in.]
G	391 mm [15.4 in.]
H	* 938 mm [36.9 in.]
I **	* 371 mm [14.6 in.]
J	* 813 mm [32 in.]
K	683 mm [26.875 in.]
L	* 1184 mm [46.62 in.]
M	* 1986 mm [78.17 in.]
N	52 mm [2.04 in.]
O	704 mm [27.73 in.]
P (with door closed)	38 mm [1.5 in.]
Q	* 333 mm [13.1 in.]

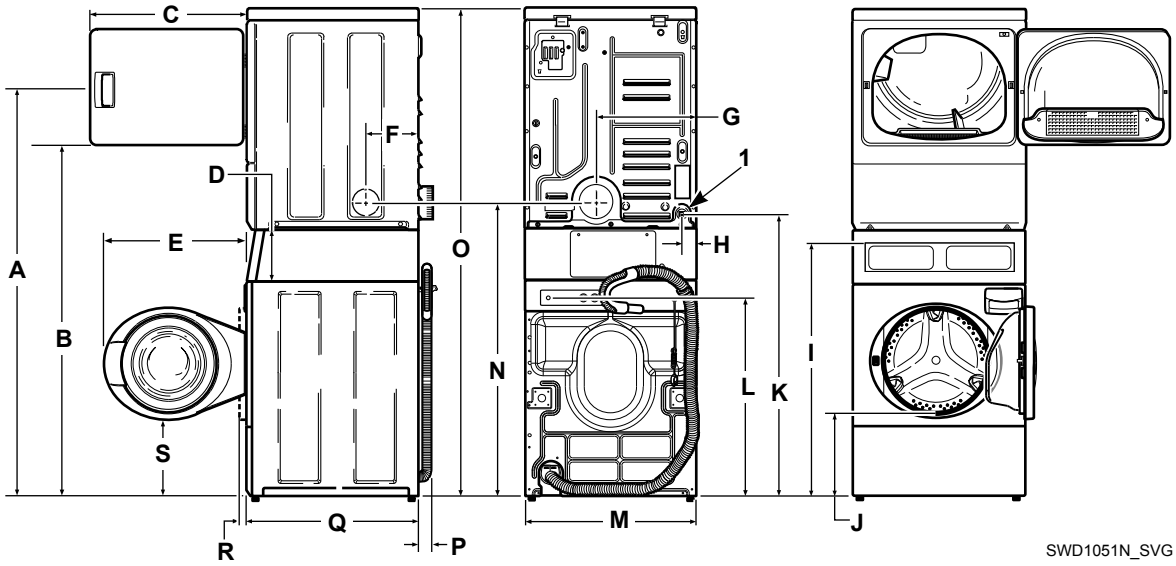
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	* With leveling legs turned into base. ** For ADA compliance turn legs out from base 0.5 inches.

NOTE: Exhaust openings are 102 mm [4 inch] metal ducting.

Gas Models



1. 3/8 in. NPT Gas Connection

A	*1678 mm [66.06 in.]
B	*1447 mm [56.97 in.]
C	597 mm [23.5 in.]
D	213 mm [8.375 in.]
E	610 mm [24 in.]
F	203 mm [8 in.]
G	391 mm [15.4 in.]
H	59 mm [2.3 in.]
I	*938 mm [36.9 in.]
J **	*371 mm [14.6 in.]
K	*1140 mm [44.87 in.]
L	*813 mm [32 in.]
M	683 mm [26.875 in.]
N	*1184 mm [46.62 in.]
O	*1986 mm [78.17 in.]
P	52 mm [2.04 in.]

Table continues...

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Q	704 mm [27.73 in.]
R (with door closed)	38 mm [1.5 in.]
S	*333 mm [13.1 in.]
	* With leveling legs turned into base. ** For ADA compliance turn legs out from base 0.5 inches.

NOTE: Exhaust openings are 102 mm [4 inch] metal ducting.

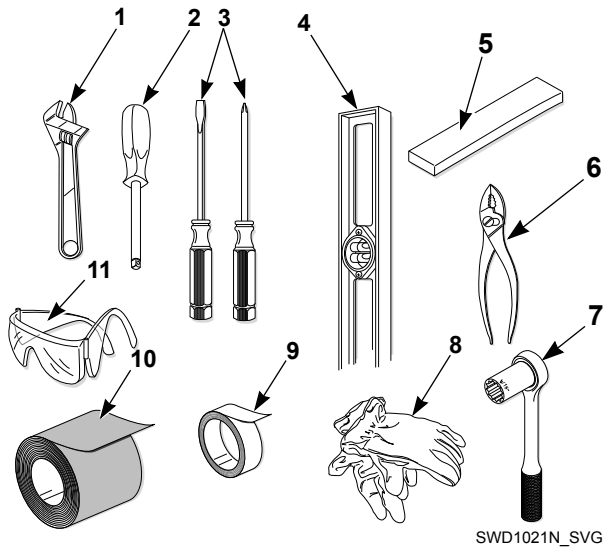
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Installation

Before You Start

Tools

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



1. Wrench
2. 1/4 inch Driver
3. Screwdriver
4. Level
5. Wood Block
6. Pliers
7. 5/16 Inch Socket Wrench
8. Gloves
9. Teflon Tape (Gas Models)
10. Duct Tape
11. Safety Glasses

Figure 1

NOTE: If the unit 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 unit has had a chance to warm up.

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.

WARNING

Any disassembly requiring the use of tools must be performed by a suitably qualified service person.

W299

Parts Included

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

- Product literature
- Three screws (electric dryers only)
- Two washers
- Two filter screens
- Four rubber feet
- Beaded strap
- Two shipping hole plugs

Parts Needed

Two fill hoses are required for installation. Order 204058 Install Kit if needed.

If using any other hoses, follow these requirements:

- Hoses must be new.
- Hoses must be a minimum of 3/8 in. inside diameter. Smaller inside diameter hoses will cause long fill times which could create nuisance fill errors.
- The two plain rubber washers and two filter screens included with the washer in the accessories bag must be installed in the fill hose couplings. Refer to *Connect Fill Hoses*. The filter screens help prevent foreign materials from clogging the water mixing valve.

Removing Dryer

Use the following steps if the installation requires removal of the dryer. Two people are required to perform this task.

1. Remove dryer front access panel.
2. Remove two screws holding control panel to control cabinet.
3. Remove two 7/16 inch screws and washers attaching dryer to washer.
4. Tip dryer back and disconnect dryer control wire harness from main dryer wire harness.
5. Slide dryer forward until rear leveling legs slide into notches in the control cabinet.
6. Lift dryer and place it on a level surface.

Reassembling Dryer

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1. Lift dryer and place it on top of washer so dryer leveling legs sit in notches in control cabinet.
2. Slide dryer backward until mounting holes in base line up with holes in front of security cabinet.
3. Reconnect dryer wire harness. If needed, refer to unit's wiring diagram.
4. Tip dryer and replace two 7/16 inch screws and washers holding dryer to washer.
5. Reattach the control panel to the control cabinet using two screws.
6. Replace dryer's front access panel.

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 unit near area of installation.
2. Remove the shipping materials.
3. Connect the fill hoses.
4. Connect the drain hose to the drain receptacle.
5. For gas models only, connect the gas supply pipe. Check for gas leaks.
6. For electric models only, connect the electrical cord.
7. Connect dryer to exhaust system.
8. Position and level the unit.
9. Wipe out inside of washer and dryer drums.
10. Plug in the washer and dryer.
11. Check installation.
12. Start and run the dryer in a heat setting to verify dryer is heating.

Position Unit Near Installation Area

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



CAUTION

Washer and dryer are not designed to be operated as separated, side-by-side units.

W187

The stack washer/dryer must be installed on a ground or basement floor, preferably concrete. If the flooring is wood construction, the flooring must meet a static load rating of 125 pounds and a maximum dynamic load rating of 170 pounds per foot. If the existing floor does not meet the dynamic load rating, the floor must be re-enforced from below to meet the specification (maximum span = 16 feet, 2x10 joists, 16 inches on center, 1 inch sub floor).

The stack washer/dryer must be installed on a smooth, non-slip surface. Un-level tile and extremely slippery surfaces should be avoided. Do not install the washer on carpeting, soft tile or other weakly supported structures.

Failure to meet the minimum floor load and surface requirements or installing the products on above ground floors can create different levels of vibration or movement that may appear like service is required. Speed Queen will not cover scheduled repair services where the installation requirements are not per specifications, nor can products be returned to the authorized dealer in these cases.

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Remove Shipping Materials

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

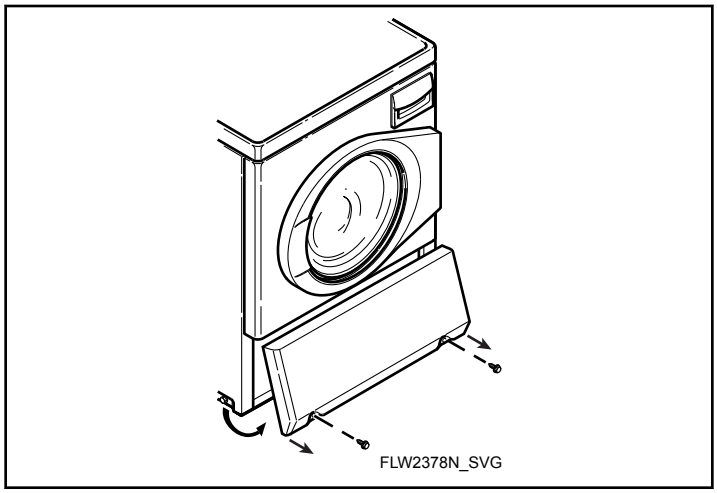


Figure 2

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

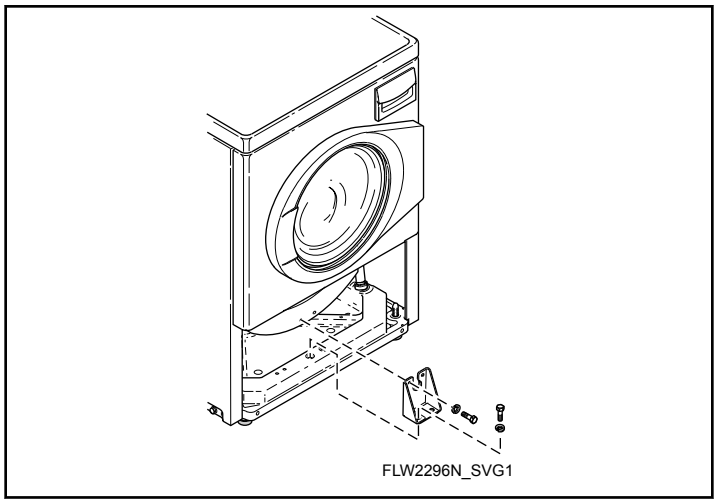


Figure 3

4. Go to rear of washer and pull label from rear shipping bolts.
5. 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.

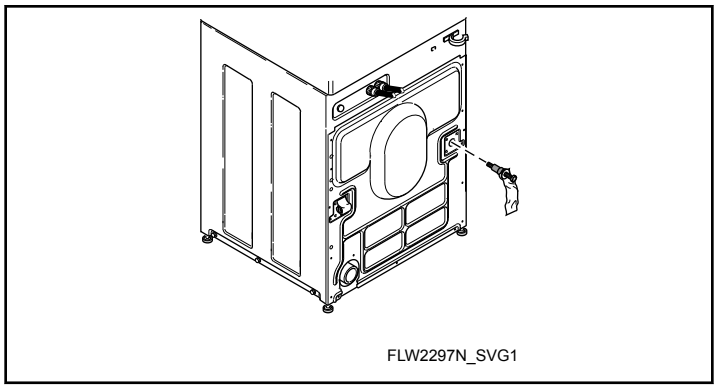


Figure 4

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

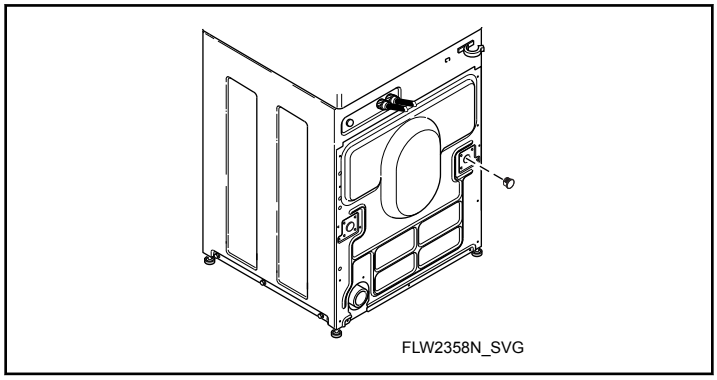


Figure 5

7. Replace front access panel.
8. 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

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NOTE: If installing an accompanying steam dryer, a Y-Connector may be needed. Check dryer installation manual to confirm.

Water Supply Requirements

Water supply faucets must fit standard 19 mm [3/4 inch] 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 10° to 24° Celsius [50° to 75° Fahrenheit]. Recommended maximum hot water temperature is 51° Celsius [125° Fahrenheit]. 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 51° Celsius [125° Fahrenheit] and hot surfaces.

W748

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

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

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

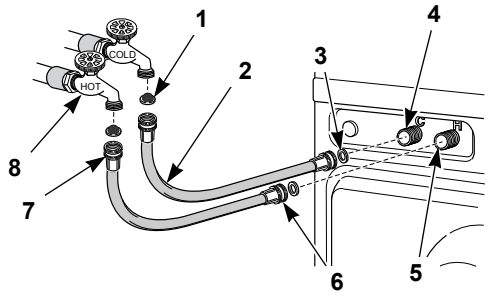
Turn on the water supply faucets and flush the lines for approximately two minutes to remove any foreign materials that could clog the screens in the water mixing valve. This is especially important when installing your washer in a newly constructed or renovated building. Build-up may have occurred during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

Connecting Hoses

1. Remove the two plain rubber washers and two filter screens from the accessories bag.
2. Install them into each end of the fill hoses as shown in *Figure 6* . The screen must be facing outward.
3. Screw hose couplings with the filter screens onto the water faucets until they are finger-tight. Use the red color-coded hose for the hot water connection and the blue color-coded hose for the cold water connection.
4. Then, using a pliers, screw approximately 1/4 turn.
5. Screw hose couplings from other end of hoses onto the water mixing valve until they are finger-tight. Make sure the red color-coded hose from the hot water faucet goes to the water mixing valve marked “H” and the blue color-coded hose from the cold faucet goes to the valve marked “C”. Refer to Figure *Figure 6* .
6. Then, using a pliers, screw approximately 1/4 turn.

   IMPORTANT: DO NOT cross thread or overtighten couplings. This will cause them to leak.
7. Turn water on and check for leaks.
8. If leaks are found, turn off the water, unscrew hoses and reinstall them until there are no leaks.

   IMPORTANT: Turn off water supply whenever there will be an extended period of non-use.



FLW2304N_SVG1

1. Filter Screen (Screen must be facing outward)
2. Fill Hose
3. Rubber Washer (Plain)
4. Cold Water Connection
5. Hot Water Connection
6. Install this end of hose to valve connections at rear of washer.
7. Install this end of hose to water supply faucet.
8. Faucet

Figure 6

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.

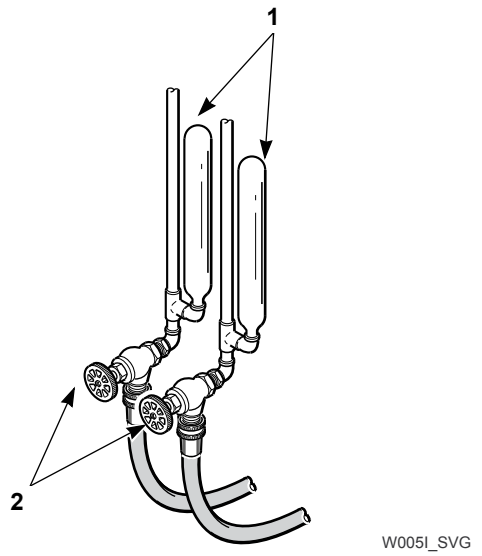
All hoses should be checked on a monthly basis for any visible signs of deterioration. Any hose showing the signs of deterioration listed above should be replaced immediately. All hoses should be replaced every five years.

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 ef-

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ficient when installed as close as possible to the water supply faucets. Refer to *Figure 7* .



1. Risers (Air cushions)
2. Water Supply Faucets

Figure 7

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.

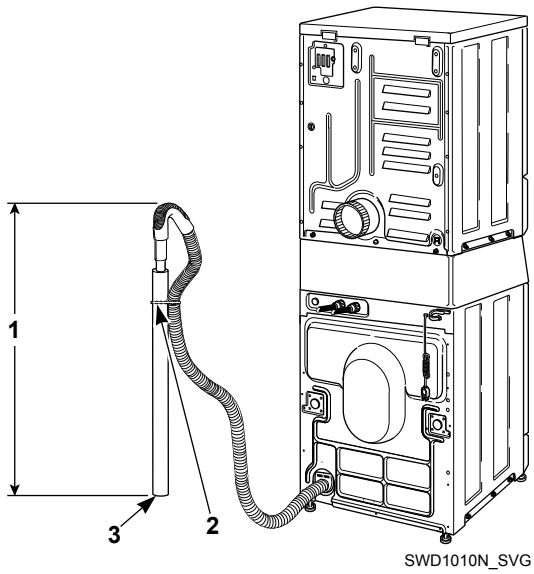
Install the drain hose into the drain receptacle (standpipe, wall or laundry tub) following the instructions below.

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

Drain Flow Rate	
Drain Height	**Flow Rate** **liters per minute [gallons per minute]**
0.9 m [3 ft.]	32,7 [8,6]
1.5 m [5 ft.]	25.9 [6,8]
1.8 m [6 ft.]	22,7 [6,0]
2.1 m [7 ft.]	19,5 [5,1]
2.4 m [8 ft.]	15,2 [4,0]

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* .
   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.



1. 610 to 914 mm [24 to 36 in.] Recommended Height
2. Beaded strap from accessory bag
3. Standpipe 51 mm [2 in.] or 40 mm [1-1/2 in.]

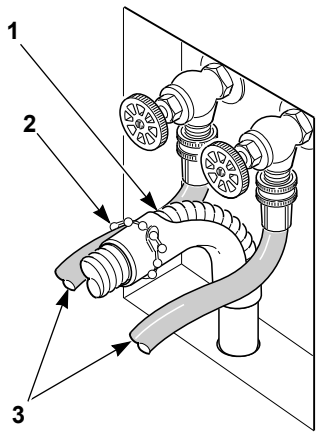
Figure 8

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 610 mm [24 in.].

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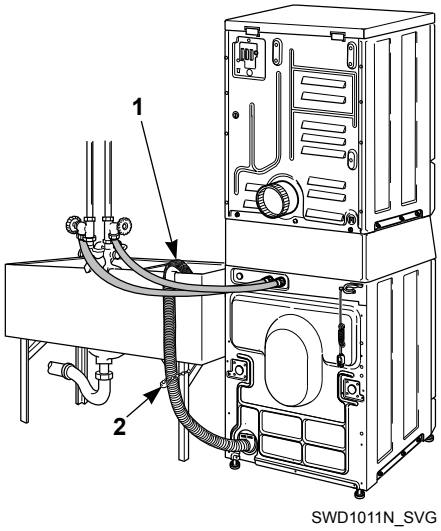


1. Drain Hose
2. Beaded Strap (tape if necessary)
3. Fill Hoses

Figure 9

Laundry Tub Installation

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



1. Drain Hose
2. Beaded Strap (tape if necessary)

Figure 10

Gas Dryers - Connect Gas Supply Pipe

WARNING

To reduce the risk of gas leaks, fire or explosion:

- **The dryer must be connected to the type of gas as shown on nameplate located in the door recess.**
- **Use a new flexible stainless steel connector.**
- **Use pipe joint compound insoluble in L.P. (Liquefied Petroleum) Gas, or Teflon tape, on all pipe threads.**
- **Purge air and sediment from gas supply line before connecting it to the dryer. Before tightening the connection, purge remaining air from gas line to dryer until odor of gas is detected. This step is required to prevent gas valve contamination.**
- **Do not use an open flame to check for gas leaks. Use a non-corrosive leak detection fluid.**
- **Any disassembly requiring the use of tools must be performed by a suitably qualified service person.**

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1. Make certain your dryer is equipped for use with the type of gas in your laundry room. Dryer is equipped at the factory for Natural Gas with a 3/8 inch NPT gas connection.

   NOTE: The gas service to a gas dryer must conform with the local codes and ordinances, or in the absence of local codes and ordinances, with the latest edition of the National Fuel Gas Code ANSI Z223.1/ NFPA 54 or the CAN/CSA-B149.1 Natural Gas and Propane Installation Code.

Natural Gas, 37.3 MJ/m ^{3} [1000 Btu/ft ^{3}], service must be supplied at minimum 5.0 inch water column pressure to maximum 10.5 inch water column pressure.

For proper operation at altitudes above 915 m [3000 feet] the natural gas valve spud orifice size must be reduced to ensure complete combustion. Refer to *Table 1* .

Natural Gas Altitude Adjustments			
Altitude	**Orifice Size**		**Part No.**
m [feet]	**No.**	**mm [inches]**	
915 [3000]	43	2.26 [0.0890]	D503778
1830 [6000]	44	2.18 [0.0860]	58719

Table 1 *continues...*

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Natural Gas Altitude Adjustments			
Altitude	Orifice Size		Part No.
m [feet]	No.	mm [inches]	
2440 [8000]	45	2.08 [0.0820]	D503779
2740 [9000]	46	2.06 [0.0810]	D503780
3050 [10,000]	47	1.99 [0.0785]	D503781

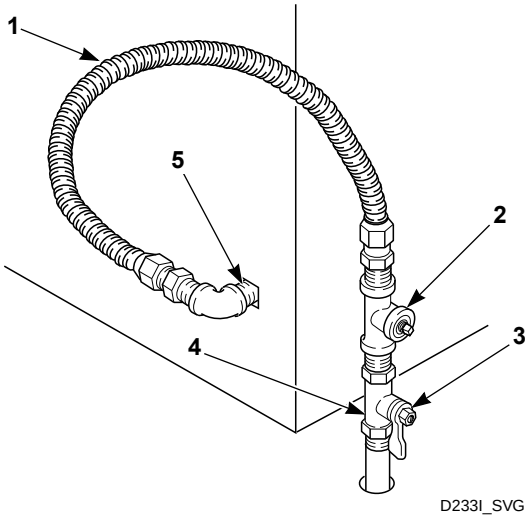
Table 1

2. Remove the shipping cap from the gas connection at the rear of the dryer. Make sure you do not damage the pipe threads when removing the cap.
3. Connect to gas supply pipe using thread sealant or Teflon tape. Torque 10.2 - 19.7 Nm [90 - 175 inch-pounds].

   NOTE: The connection of gas supply to the appliance shall be made with a flexible hose suitable for the appliance category in accordance with national installation regulations of the country of destination. If in doubt contact the dryer distributor or manufacturer.

   NOTE: When connecting to a gas line, an equipment shut-off valve in accordance with the National Fuel Gas Code, ANSI Z223.1/NFPA 54 and the Natural Gas and Propane Installation Code, CSA B149.1 must be installed within 1.8 m [6 feet] of the dryer. An 1/8 in. NPT pipe plug must be installed as shown for checking inlet pressure. Refer to *Figure 11* .

Starting Serial No. 1908000001, the following must be furnished and installed by the customer for the gas service line to dryer: Union at gas supply connection (listed to ANSI Z21.24 and CSA 6.10).



1. New Stainless Steel Flexible Connector – (Use design CSA certified connector) Use only if allowed by local codes
2. 1/8 in. NPT Pipe Plug
3. Equipment Shut-Off Valve
4. Black Iron Pipe:

   Shorter than 6.1 m [20 ft.] – Use 9.5 mm [3/8 in.] pipe.

   Longer than 6.1 m [20 ft.] – Use 12.7 mm [1/2 in.] pipe.
5. 3/8 in. NPT Gas Connection

Figure 11

4. Tighten all connections securely but don't overtighten to avoid breaking or bending the gas valve bracket. Turn on gas and check all pipe connections (internal & external) for gas leaks with a non-corrosive leak detection fluid.

NOTE: The dryer and its appliance main gas valve must be disconnected from the gas supply piping system during any pressure testing of that system at test pressures in excess of 3.45 kPa [1/2 psi]. Refer to *Check Heat Source*.

NOTE: DO NOT connect the dryer to L.P. Gas Service without converting the gas valve. Install L.P. Gas Conversion Kit 649P3, available at extra cost.

L.P. (Liquefied Petroleum) Gas, 93.1 MJ/m ^{3} [2500 Btu/ft. ^{3}], service must be supplied at 10 ± 1.5 inch water column pressure.

For proper operation at altitudes above 915 m [3000 feet] the L.P. gas valve spud orifice size must be reduced to ensure complete combustion. Refer to *Table 2* .

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L.P. Altitude Adjustments			
Altitude	**Orifice Size**		
m [feet]	**No.**	**mm [inches]**	**Part No.**
915 [3000]	55	1.32 [0.0520]	58755
2440 [8000]	56	1.18 [0.0465]	D503786

Table 2

Electric Dryer Only - Connect Electrical Plug

Dryer requires 120/240 Volt or 120/208 Volt, 60 Hertz, 3 or 4 wire electrical supply. Refer to serial plate for specific electrical requirements.

IMPORTANT: Use only a new U.L. listed No. 10 (copper wire only) three or four conductor power supply cord kit rated 240 Volts (minimum) 30 Amperes and labeled as suitable for use in a clothes dryer.

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

WARNING

To reduce the risk of fire, electric shock, serious injury or death, all wiring and grounding MUST conform with the latest edition of the National Electrical Code, ANSI/NFPA 70, or the Canadian Electrical Code, CSA C22.1, and such local regulations as might apply. It is the customer's responsibility to have the wiring and fuses installed by a qualified electrician to make sure adequate electrical power is available to the dryer.

W521

Earth/Ground Information

This dryer must be properly connected to protective earth/ground metal, permanent wiring system; or an equipment-earth/ground conductor must be run with the circuit conductors and connected to the equipment-earth/ground terminal or lead on the dryer.

The dryer has its own terminal block that must be connected to a separate branch, 60 Hertz, single phase circuit, AC (alternating current) circuit, fused at 30 Amperes (the circuit must be fused on both sides of the line). Electrical service for the dryer should be of maximum rated voltage (208 or 240 Volt, depending on heating element) listed on the serial plate. Do not connect dryer to 110, 115, or 120 Volt circuit.

Heating elements are available for field installation in dryers which are to be connected to electrical service of different voltage than that listed on serial plate, such as 208 Volt.

NOTE: Branch circuit wire size requirements to laundry room outlet are shown in table below.

Wire Length	Wire
Less than 4.5 m [15 ft.]	Listed No. 10 AWG Copper wire only
Longer than 4.5 m [15 ft.]	Listed No. 8 AWG Copper wire only

Table 3

The power cord connection between wall receptacle and dryer terminal block IS NOT supplied with dryer. Type of power cord and gauge of wire must conform to local codes.

Connecting Power Cord with Three-Wire Plug

NOTE: Four-wire cord is required for new branch-circuit installations, mobile homes or where codes do not permit grounding through neutral.

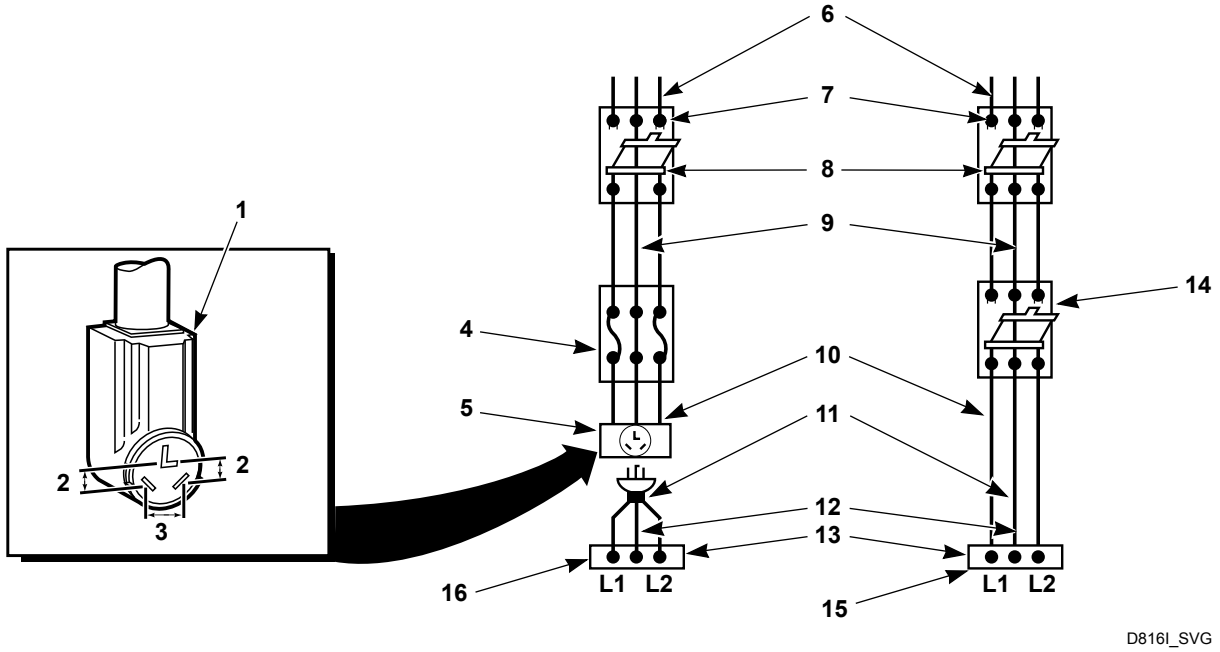
NOTE: The power cord is NOT supplied with the electric dryer. Type of power cord and gauge of wire must conform to local codes and instructions. The method of wiring the dryer is optional and subject to local code requirements.

NOTE: Connect the dryer to the power supply with the MAXIMUM RATED VOLTAGE listed on the serial plate.

NOTE: Use COPPER WIRE only.

Shorter than 15 ft. (4.5 m) – use 10 AWG
Longer than 15 ft. (4.5 m) – use 8 AWG

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1. A typical 30-Amp Three-Wire Receptacle NEMA Type 10-30R
2. 120 ± 12 V.A.C.
3. 240 ± 12 V.A.C.
4. Intermediate Fuse Box (may be omitted if service entrance box is fused)
5. Wall Receptacle
6. Power Supply
7. 3-Wire Earth/Ground Neutral 120/240 Volt, 60 Hertz AC 1 Phase Service Entrance Switch Box (Refer to NOTE above)
8. 30 Ampere Fuses or Circuit Breaker
9. Neutral Wire
10. Metallic or Non-Metallic Sheathed Cable (Copper Wire Only)
11. Power Cord (Not supplied with dryer)
12. Neutral
13. Terminal Block in Dryer
14. Intermediate Shut-Off Box (may or may not be fused)
15. Direct Connection
16. Power Cord Connection

Figure 12

1. Disconnect power to dryer.
2. Remove access cover from rear of dryer.

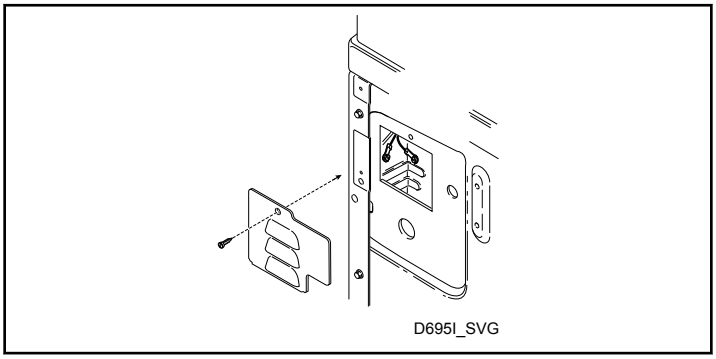


Figure 13

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3. Use a strain relief and insert end of power cord through power supply hole.

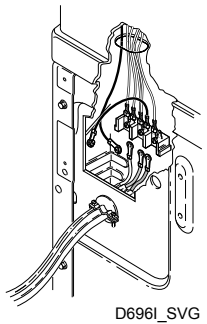
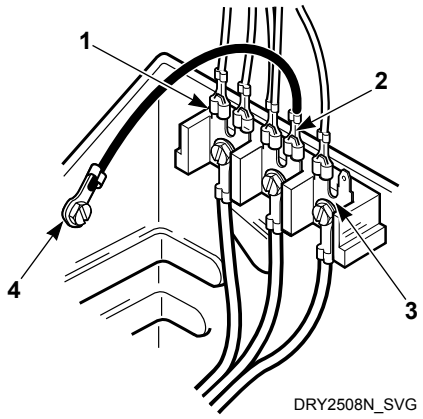


Figure 14

4. Use the three screws from the accessories bag to attach the power cord wires to the terminal block. Refer to *Figure 15* .

3-Wire Connection



1. "L1" Terminal
2. Neutral Terminal
3. "L2" Terminal
4. Earth/Ground to Bulkhead

Figure 15

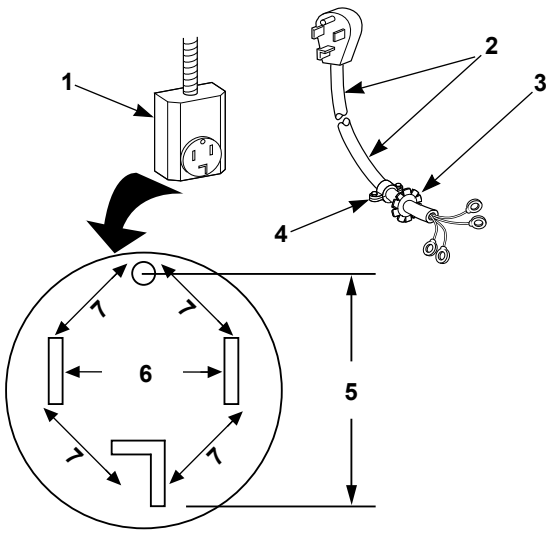
5. Using a screwdriver, tighten all screws firmly.

   IMPORTANT: Failure to tighten these screws firmly may result in wire failure at the terminal block.

6. Secure the strain relief to the power cord, or wires, where they enter the dryer cabinet.
7. Check the continuity of the earth/ground connection before plugging the cord into an outlet. Use an acceptable indicating device connected to the center earth/ground pin of the plug and the green screw on the back of the cabinet.
8. Reinstall access cover and screw.

Connecting Power Cord with Four-Wire Plug

NOTE: Four-wire cord is required for new branch-circuit installations, mobile homes or where codes do not permit grounding through neutral.



1. Typical Four-Wire Receptacle
2. Power Cord – Not Supplied with Dryer
3. Strain Relief Nut
4. Strain Relief
5. 0 V.A.C.
6. 240 ± 12 V.A.C.
7. 120 ± 12 V.A.C.

Figure 16

1. Disconnect power to dryer.
2. Remove access cover from rear of dryer.

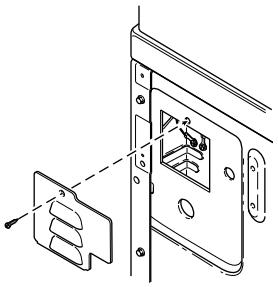
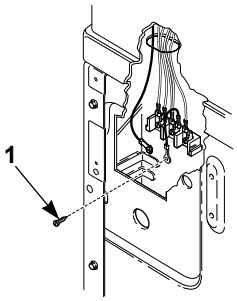


Figure 17

3. Remove earth/ground screw from earth/ground to neutral wire and save for use in Step 5. Earth/ground to neutral wire will be attached to the neutral terminal in Step 6.

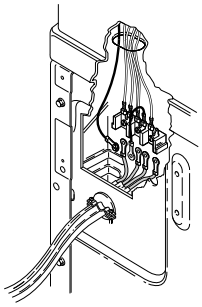
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1. Earth/Ground Screw

Figure 18

4. Use a strain relief and insert end of power cord through power supply hole.

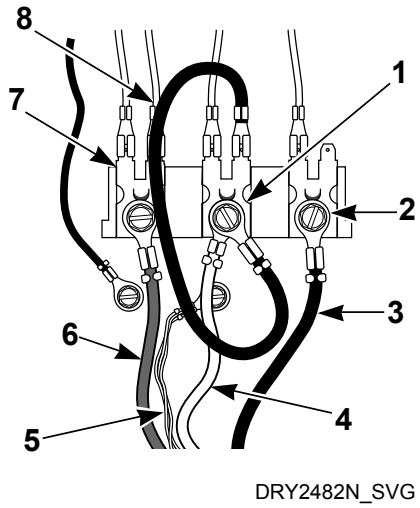


1. Strain Relief

Figure 19

5. Attach power cord earth/ground (green) wire to rear bulkhead using earth/ground screw removed in Step 3.

4-Wire Connection



1. Neutral Terminal
2. "L2" Terminal
3. Black
4. White
5. Earth/Ground
6. Red
7. "L1" Terminal
8. Earth/Ground to Neutral Wire

Figure 20

6. Use the three screws from the accessories bag to attach the remaining power cord wires to the terminal block as follows:
   a. Red wire to "L1" terminal.
   b. Black wire to "L2" terminal.
   c. White wire to Neutral terminal.

   NOTE: When installing the white wire, loop the free eyelet end of the earth/ground to neutral wire (removed in Step 3) and attach along with the white wire to the neutral (center) terminal on the terminal block.
7. Using a screwdriver, tighten all screws firmly.

   IMPORTANT: Failure to tighten these screws firmly may result in wire failure at the terminal block.
8. Secure the strain relief to the power cord, or wires, where they enter the dryer cabinet.
9. Check the continuity of the earth/ground connection before plugging the cord into an outlet. Use an acceptable indicating device connected to the center earth/ground pin of the plug and the green screw on the back of the cabinet.
10. Reinstall access cover and screw.

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Connect Dryer Exhaust System

WARNING

To reduce the risk of fire and combustion gas accumulation the dryer MUST be exhausted to the outdoors.

W604

WARNING

To reduce the risk of fire and the accumulation of combustion gases, DO NOT exhaust dryer air into a window well, gas vent, chimney or enclosed, unventilated area, such as an attic, wall, ceiling, crawl space under a building or concealed space of a building.

W045

WARNING

This gas appliance contains or produces a chemical or chemicals which can cause death or serious illness and which are known to the State of California to cause cancer, birth defects, or other reproductive harm. To reduce the risk from substances in the fuel or from fuel combustion, make sure this appliance is installed, operated, and maintained according to the instructions in this manual.

W115

WARNING

To reduce the risk of fire, DO NOT use plastic or thin foil ducting to exhaust the dryer.

W354

WARNING

To reduce the risk of fire, the exhaust duct and weather hood MUST be fabricated of a material that will not support combustion. Rigid or flexible metal pipe is recommended for a clothes dryer.

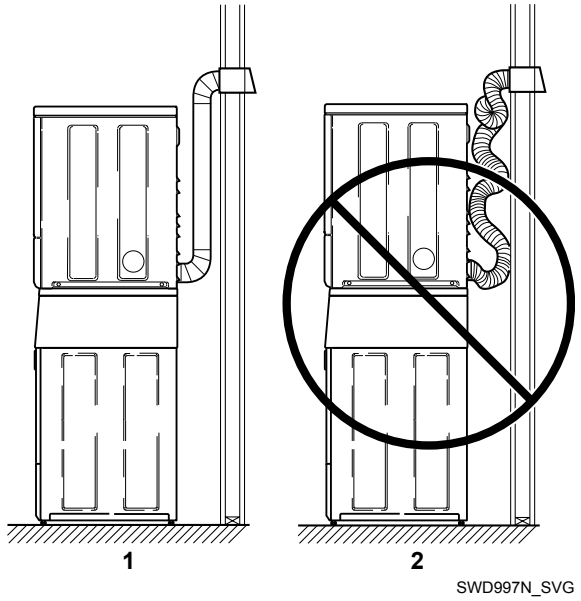
W048

WARNING

Risk of fire. Do not install a booster fan in the exhaust duct.

W1072

NOTE: The booster fan warning does not apply to clothes dryers intended to be installed in a multiple clothes dryer system, with an engineered exhaust duct system that is installed per the clothes dryer manufacturer's guidelines.



1. Correct
2. Incorrect

Figure 21

- DO NOT use plastic, thin foil or type B ducting. Rigid metal duct is recommended.
- Locate dryer so exhaust duct is as short as possible.
- Be certain old exhaust ducts are cleaned before installing your new dryer.
- Use 102 mm [4 inch] diameter rigid or flexible metal duct.
- The male end of each section of duct must point away from the dryer.
- Use as few elbows as possible.
- Use of duct tape or pop-rivets on all seams and joints is recommended, if allowed by local codes. DO NOT use sheet metal screws or fasteners on exhaust pipe joints which extend into the duct and catch lint.
- Ductwork that runs through unheated areas must be insulated to help reduce condensation and lint build-up on pipe walls.

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- In mobile home installations, dryer exhaust duct must be secured to mobile home structure.
- Dryer exhaust duct MUST NOT terminate under mobile home.
- Exhaust duct must not be connected to any other duct, vent, or chimney.
- Dryer exhausts 220 cfm per unit (measured at back of dryer).
- DO NOT install flexible duct in concealed spaces, such as a wall or ceiling.
- Static pressure in exhaust duct should not be greater than 1.5 cm water column [0.6 inches water column], measured with manometer placed on exhaust duct 610 mm [2 feet] from dryer (check with dryer running and no load).
- Exhausting dryer in hard-to-reach locations can be done by installing 521P3 Flexible Metal Vent Kit (available as optional equipment at extra cost).
- Sufficient make-up air must be supplied to replace the air exhausted by the dryer. The free area of any opening for outside air must be at least 25806 mm ^{2} [40 in. ^{2}] per unit.
- Failure to exhaust dryer properly will void warranty.
- A dryer will dissipate 681,392 J/m ^{2} [60 Btu/ft ^{2}] of surface area exposed to the conditioned air.

NOTE: Venting materials are not supplied with the dryer (obtain locally).

IMPORTANT: DO NOT block the airflow at the bottom of the dryer's front panel with laundry, rugs, etc. Blockage will decrease airflow through the dryer, thus reducing the efficiency of the dryer.

Exhaust Direction

The dryer can be exhausted to the outdoors through the back, left, right or bottom of the dryer. EXCEPTION: Gas dryers cannot be vented out the left side because of the burner housing.

Dryer is shipped from factory ready for rear exhaust.

Exhausting the dryer through sides or bottom can be accomplished by installing a Directional Exhaust Kit, 528P3, available as optional equipment at extra cost.

Exhaust System

For best drying results, recommended maximum length of exhaust system is shown in *Table 4* .

To prevent backdraft when dryer is not in operation, outer end of exhaust pipe must have a weather hood with hinged dampers (obtain locally).

NOTE: Weather hood should be installed at least 305 mm [12 inches] above the ground. Larger clearances may be necessary for installations where heavy snowfall can occur.

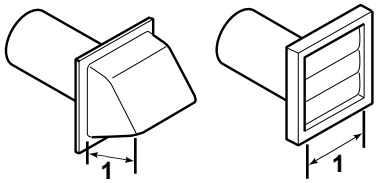
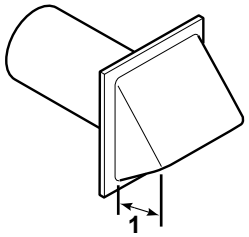
Number of 90° Elbows	Weather Hood Type	
	Recommended	Use Only for Short Run Installations
	 1. 102 mm [4 in.]	 1. 64 mm [2.5 in.]
Maximum length of 102 mm [4 in.] diameter rigid metal duct.		
0	19.8 m [65 feet]	16.8 m [55 feet]
1	16.8 m [55 feet]	14.3 m [47 feet]
2	14.3 m [47 feet]	12.5 m [41 feet]

Table 4 *continues...*

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Number of 90° Elbows	Weather Hood Type	
	Recommended	Use Only for Short Run Installations
3	11.0 m [36 feet]	9.1 m [30 feet]
4	8.5 m [28 feet]	6.7 m [22 feet]

Table 4

NOTE: Deduct 1.8 m [6 feet] for each additional elbow.

NOTE: The maximum length of a 102 mm [4 in.] diameter flexible metal duct must not exceed 2.4 m [7.87 ft.], as required to meet UL2158, clause 7.3.2.A.

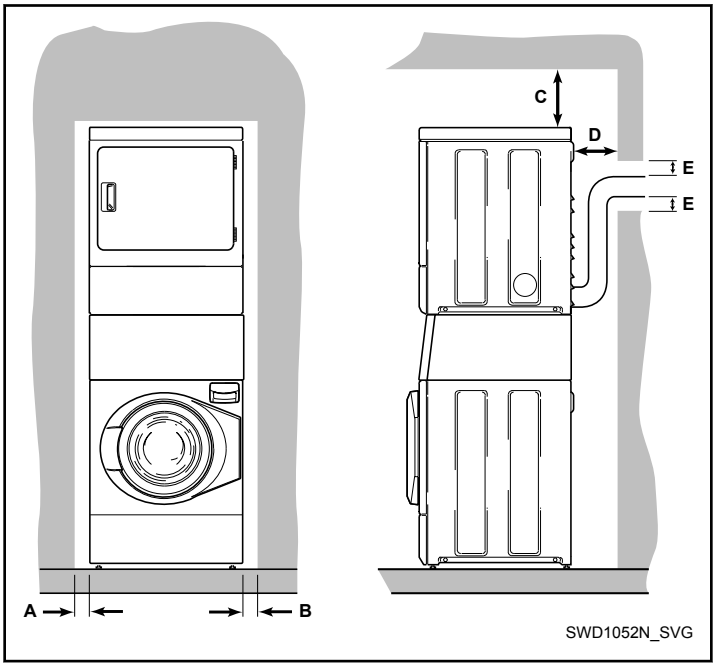
Position and Level the Unit

WARNING

Units elevated above floor level must be anchored to that elevated surface, base or platform. The material used to elevate the unit should also be anchored to the floor to ensure that the unit will not walk or that the unit 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.

W307

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



NOTE: Shaded areas indicate adjacent structure.

Dryer and Exhaust Duct Clearances		
Area	**Description**	**Minimum Clearance**
A	Left Dryer Side	0 mm [0 in.]
B	Right Dryer Side	25 mm [1 in.]
C	Dryer Top	152 mm [6 in.]
D *	Dryer Rear	102 mm [4 in.]
E	Exhaust Duct Clearance to Combustible Materials	51 mm [2 in.]
* Rear clearance is minimum. 152 mm [6 inches] are recommended when venting through rear of unit.		

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

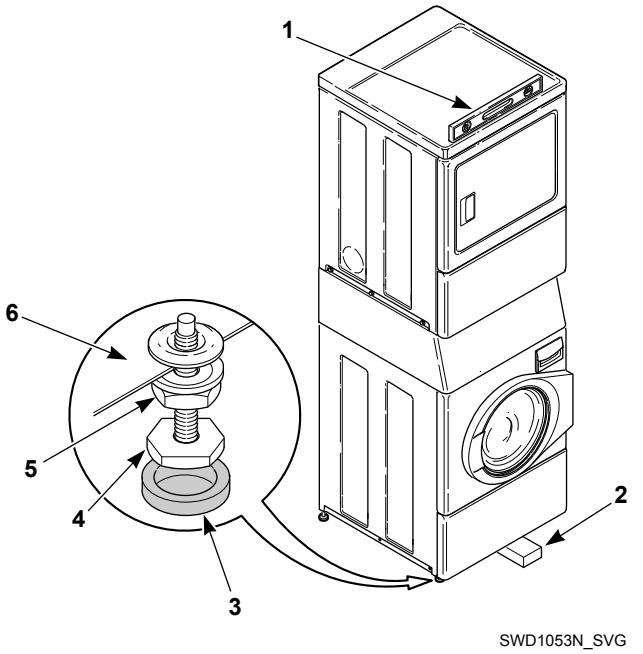
2. Place unit in position on a solid, sturdy and level floor. Installing the unit on any type of carpeting, soft tile or other weakly supported structures is not recommended.
3. Place a level on the raised portion of cabinet top and check if the unit is level from side to side and front to back.
4. If 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.

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8. Verify that unit doesn't rock.



1. Level
2. Wood Block
3. Rubber Foot
4. Leveling Leg
5. Locknut
6. Unit Base

Figure 22

Reverse Door, if Desired

NOTE: Doors with windows cannot be reversed.

The door on this dryer is completely reversible. To reverse door proceed as follows:

1. Remove four hinge attaching screws.

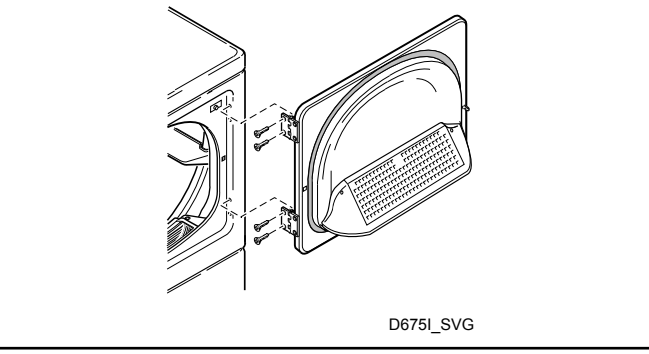


Figure 23

2. Remove all nine screws.

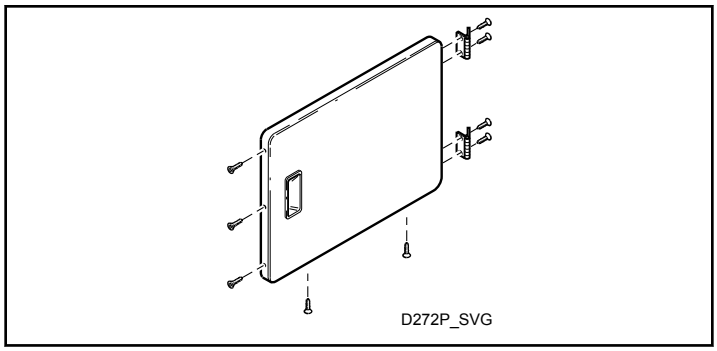


Figure 24

3. Pull bottom of door liner out, then pull down, removing door liner from door panel.

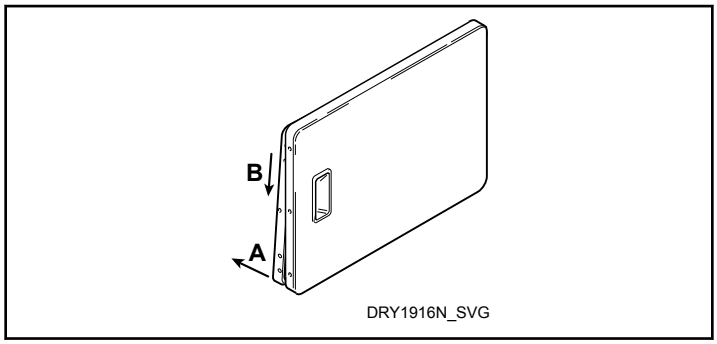


Figure 25

4. Rotate door panel 180 degrees as shown.

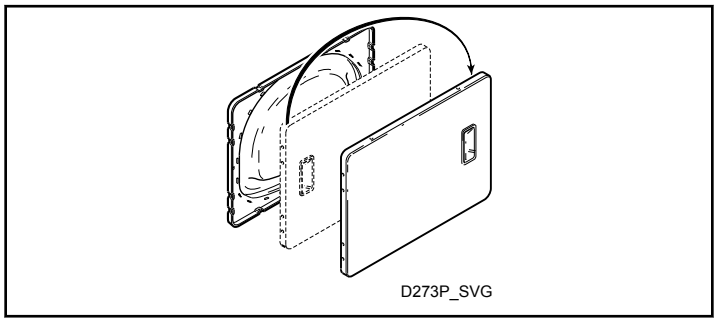


Figure 26

5. Remove door strike from door liner and reinstall on opposite side.

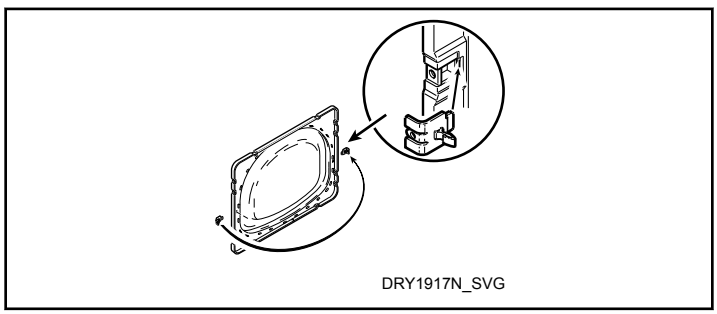


Figure 27

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6. Insert liner under flange on bottom of door, then push top of door liner into place.

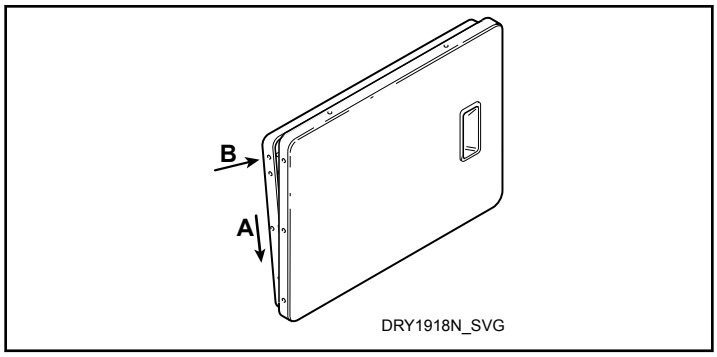


Figure 28

7. Reinstall nine screws removed in Step 2.

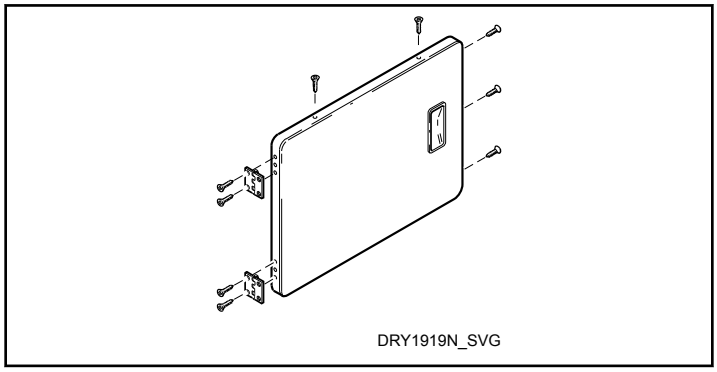


Figure 29

8. Using screwdriver, remove two door plugs, and reinstall on opposite side of door opening.

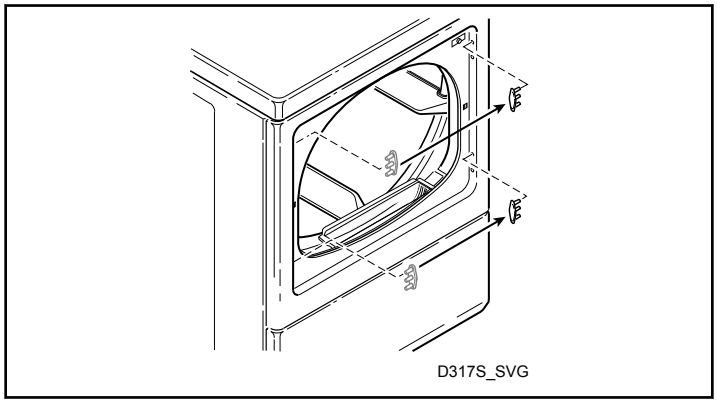


Figure 30

9. Reinstall four hinge attaching screws, removed in Step 1.

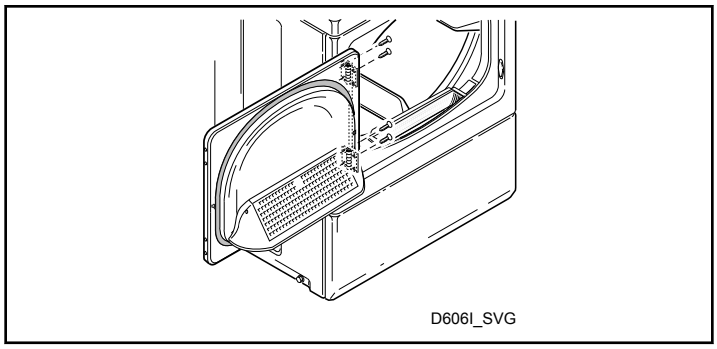


Figure 31

Wipe Out Inside of Washer and Dryer Drum

IMPORTANT: 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 the drums.

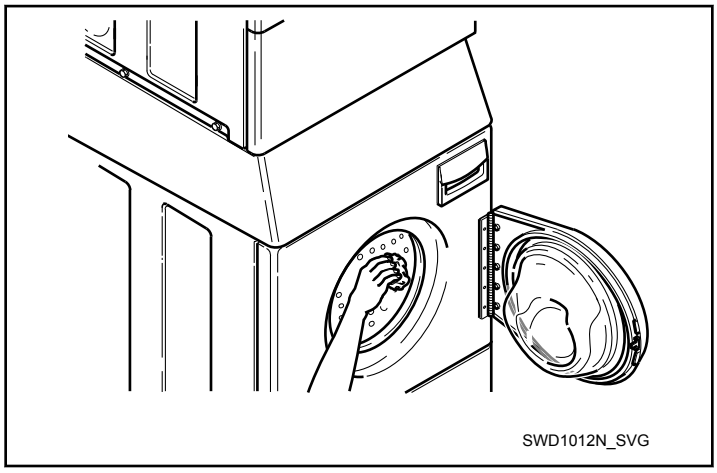


Figure 32

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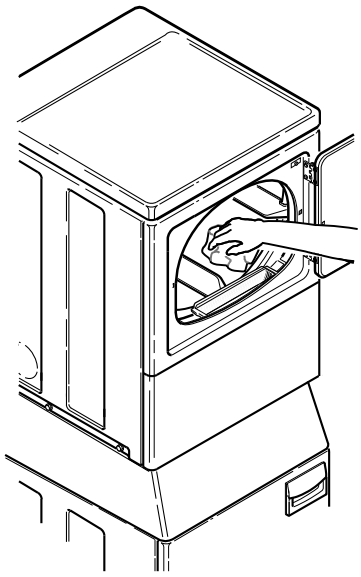


Figure 33

Plug In the Washer and Dryer

Electric Dryer

Connect the dryer to an electrical power source. Refer to Connect Electrical Plug section for information on connecting power cord.

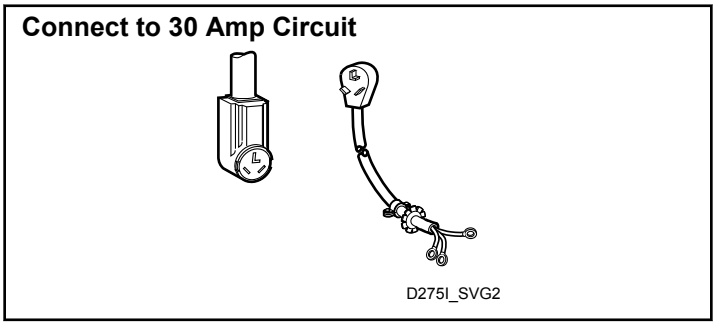


Figure 34

Gas Dryer

Dryer requires 120 Volt, 60 Hertz electrical supply and comes equipped with a 3-prong earth/ground plug. Refer to serial plate for specific electrical requirements.

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

WARNING

To reduce the risk of fire, electric shock, serious injury or death, all wiring and grounding MUST conform with the latest edition of the National Electrical Code, ANSI/NFPA 70, or the Canadian Electrical Code, CSA C22.1, and such local regulations as might apply. It is the customer's responsibility to have the wiring and fuses installed by a qualified electrician to make sure adequate electrical power is available to the dryer.

W521

When plugging in the dryer:

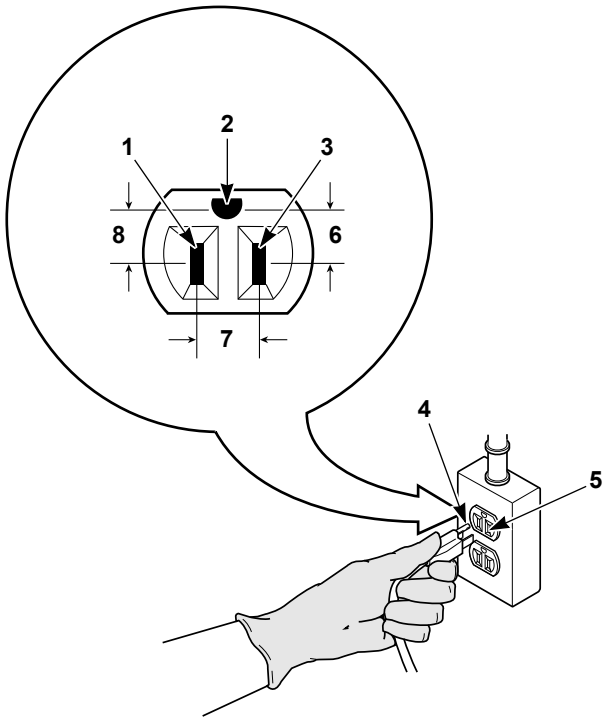
- DO NOT overload circuits.
- DO NOT use an extension cord.
- DO NOT use an adapter.
- DO NOT operate both a washer and a gas dryer on the same circuit. Use separately fused 15 Amp circuits.

The dryer 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 120 Volts AC (alternating current) 15 Amps. Refer to *Figure 35* to determine correct polarity of the wall receptacle.

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Plug Cord Into Separately Fused 15 Amp Circuit



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

Figure 35

Earth/Ground Information

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 dryer is equipped with a cord having an equipment earth/ground conductor and a three-prong earth/ground plug. 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.

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

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 dryer is properly connected to a protective earth/ground.

W886

Do not modify the plug provided with the dryer – 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.

Do not operate other appliances on the same circuit.

WARNING

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

W037

Washer

Washer requires 120 Volt, 60 Hertz electrical supply and comes equipped with a 3-prong earth/ground plug. Refer to serial plate for specific electrical requirements.

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

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WARNING

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.

W824

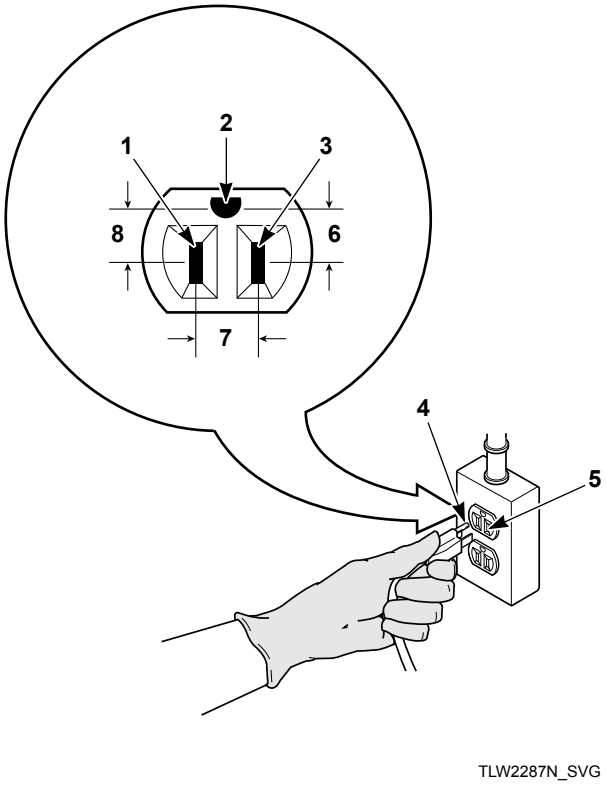
When plugging in the washer:

- DO NOT overload circuits.
- DO NOT use an extension cord.
- DO NOT use an adapter.
- DO NOT operate both a washer and a gas dryer 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 36* to determine correct polarity of the wall receptacle.

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



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 36

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-

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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.
- Do not operate other appliances on the same circuit when this appliance is operating.

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.

Check Heat Source

Electric Dryers

1. Close the loading door and start the dryer in a heat setting (refer to the operation instructions).
2. After the dryer has operated for three minutes, the exhaust air or exhaust pipe should be warm.

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Gas Dryers

IMPORTANT: This operation is to be conducted by qualified personnel only.

1. To view the burner flame, remove the lower front panel of the dryer.
2. Close the loading door and start the dryer in a heat setting (refer to the operation instructions). The dryer will start, the igniter will glow red and the main burner will ignite.

   IMPORTANT: If all air is not purged out of gas line, gas igniter may go off before gas is ignited. If this happens, after approximately two minutes igniter will again attempt gas ignition.

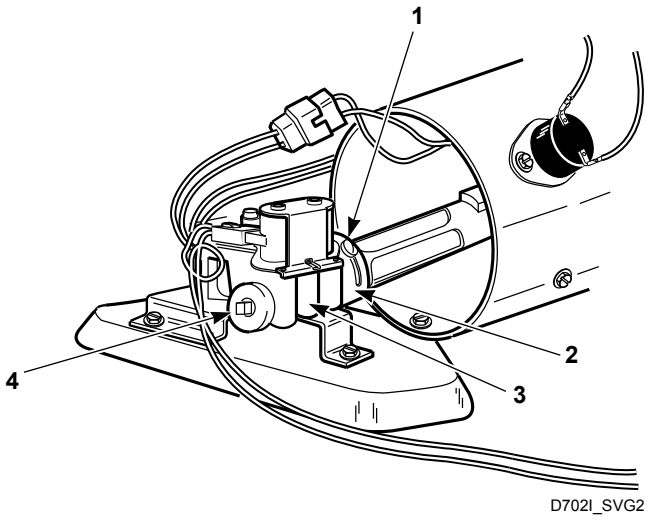
   IMPORTANT: If igniter does not light, make sure gas is turned on.
3. After the dryer has operated for approximately five minutes, observe burner flame through lower front panel.
4. Adjust the air shutter to obtain a soft, uniform blue flame. (A lazy, yellow-tipped flame indicates lack of air. A harsh, roaring, very blue flame indicates too much air.) Adjust the air shutter as follows:
   a. Loosen the air shutter lockscrew.
   b. Turn the air shutter to the left to get a luminous yellow-tipped flame, then turn it back slowly to the right to obtain a steady, soft blue flame.
   c. After the air shutter is adjusted for proper flame, tighten the air shutter lockscrew securely.
5. Reinstall the lower front panel.

WARNING

To reduce the risk of serious injury or death, lower front panel must be in place during normal operation.

W158

6. After the dryer has operated for approximately three minutes, exhaust air or exhaust pipe should be warm.



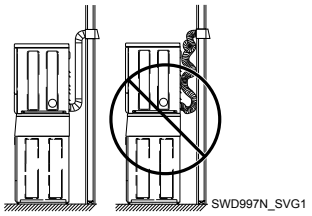
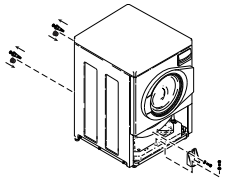
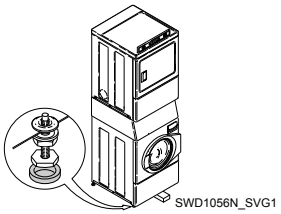
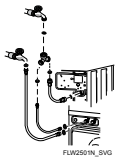
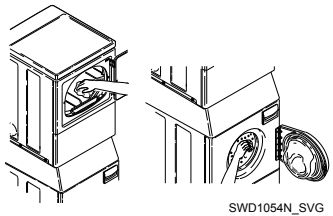
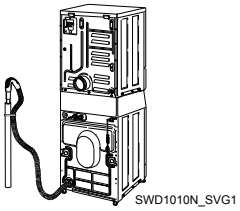
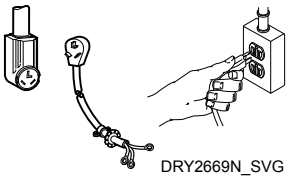
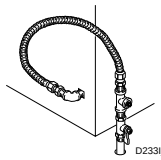
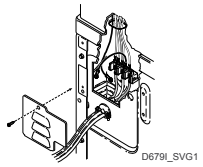
1. Air Shutter Lockscrew
2. Air Shutter
3. Appliance Main Gas Valve
4. 3.1 mm [1/8 in.] Pipe Plug (For checking manifold pressure)

Figure 37

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Installer Checklist

Fast Track for Installing the Stacked Washer/Dryer

1	Position Unit Near Installation Area.		7	Connect Dryer Exhaust System.	 SWD997N_SVG1
	CHECK			CHECK	
2	Remove the Shipping Materials and Install Plugs.	 FLW2359N_SVG	8	Position and Level the Washer.	 SWD1056N_SVG1
	CHECK			CHECK	
3	Connect Fill/ Inlet Hoses.	 FLW2501N_SVG	9	Wipe Out Inside of Washer and Dryer Drums.	 SWD1054N_SVG
	CHECK			CHECK	
4	Connect Drain Hose to Drain Receptacle.	 SWD1010N_SVG1	10	Plug In Washer and Dryer.	 DRY2669N_SVG
	CHECK			CHECK	
5	GAS ONLY • Connect Gas Supply Pipe. • Check for Gas Leaks.	 D233I_SVG1	11	Recheck Steps.	
	CHECK			CHECK	
6	ELECTRIC ONLY - Connect Electrical Cord	 D679I_SVG1	12	Start and Run Dryer in Heat Setting to Verify Dryer is Heating.	
	CHECK			CHECK	

Refer to the manual for more detailed information

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