

Installation Instructions

for 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.)




www.alliancelaundry.com


Part No. D518504EN
November 2020

	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
<ul style="list-style-type: none"> • 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: <ul style="list-style-type: none"> • 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
<ul style="list-style-type: none"> • 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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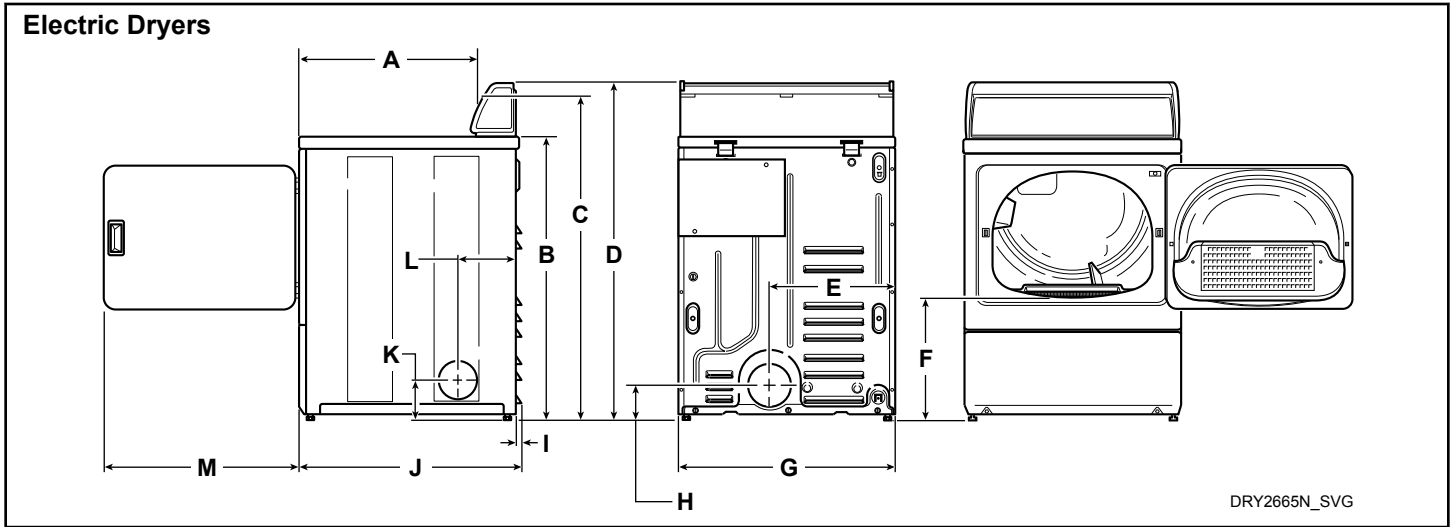
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Manufacturing Date

The manufacturing date for your unit can be found on the serial number. The first two digits indicate the year. The third and fourth digits indicate the month. For example, a unit with serial number 1505000001 was manufactured in May 2015.

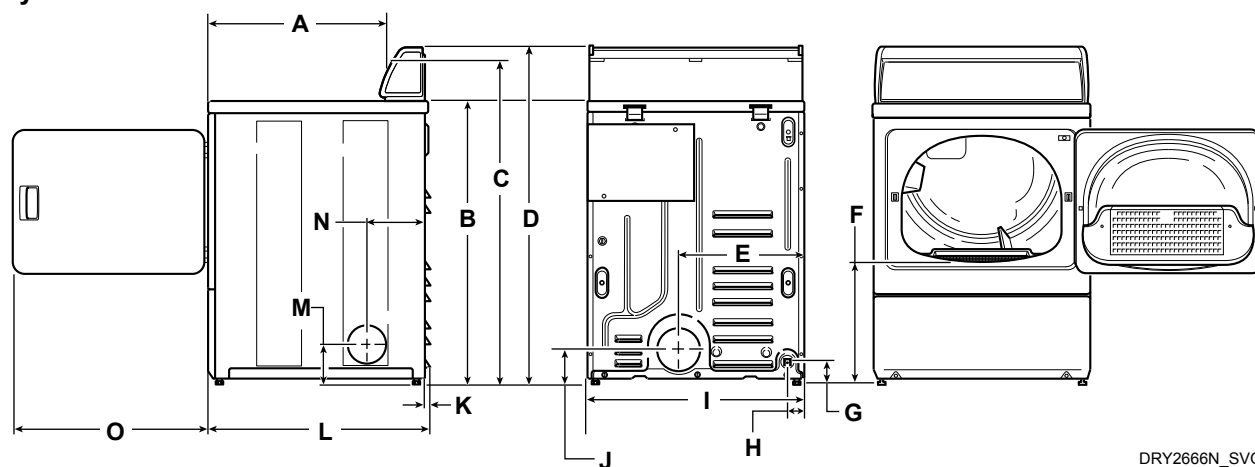
Dimensions

The workstation average sound pressure level is 54.1 dBA.



A	589 mm [23.19 in.]
B	* 914 mm [36 in.]
C	* 1036 mm [40.77 in.]
D	* 1092 mm [43 in.]
E	391 mm [15.4 in.]
F	* 392 mm [15.44 in.]
G	616 mm [24.26 in.]
H	683 mm [26.875 in.]
I	*102 mm [4 in.]
J	10 mm [0.4 in.]
K	604 mm [23.76 in.]
L	711 mm [28 in.]
M	597 mm [23.5 in.]
N	* 114 mm [4.5 in.]
O	203 mm [8 in.]
NOTE: Exhaust openings are 102 mm [4 inch] metal ducting.	
* With leveling legs turned into base.	

Gas Dryers



1. 3/8 in. N.P.T. Gas Connection

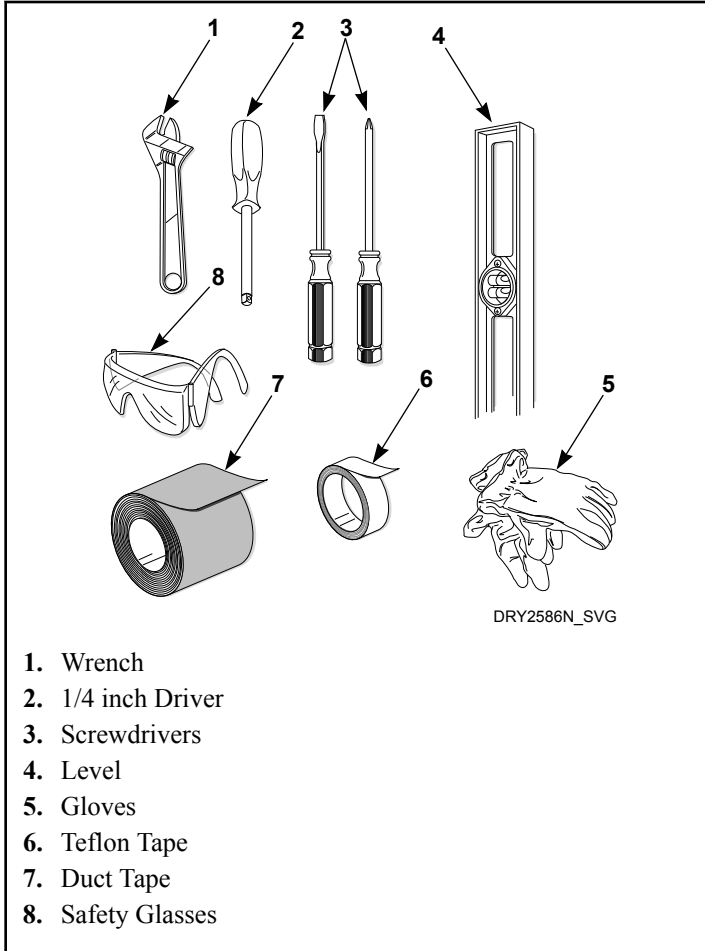
A	589 mm [23.19 in.]
B	* 914 mm [36 in.]
C	* 1036 mm [40.77 in.]
D	* 1092 mm [43 in.]
E	391 mm [15.4 in.]
F	* 392 mm [15.44 in.]
G	616 mm [24.26 in.]
H	* 70 mm [2.8 in.]
I	60 mm [2.3 in.]
J	683 mm [26.875 in.]
K	* 102 mm [4 in.]
L	10 mm [0.4 in.]
M	711 mm [28 in.]
N	604 mm [23.76 in.]
O	597 mm [23.5 in.]
P	* 114 mm [4.5 in.]
Q	203 mm [8 in.]
NOTE: Exhaust openings are 102 mm [4 inch] metal ducting.	
* With leveling legs turned into base.	

Installation

Before You Start

Supplies

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



1. Wrench
2. 1/4 inch Driver
3. Screwdrivers
4. Level
5. Gloves
6. Teflon Tape
7. Duct Tape
8. Safety Glasses

Figure 1

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	

Order of Installation Steps

1. Position and level the dryer.
2. Connect dryer to exhaust system.

3. For gas models only, connect the gas supply pipe. Check for gas leaks.
4. Reverse the door, if desired.
5. Wipe out the inside of the dryer.
6. Connect the dryer to electrical power.
7. Recheck steps.
8. Start and run the dryer in a heat setting to verify dryer is heating.

Position and Level the Dryer

1. Install dryer before washer. This allows room for attaching exhaust duct.
2. Select a location with a solid floor. Dryers installed in residential garages must be elevated 457 mm [18 inches] above the floor.

No other fuel burning appliance should be installed in the same closet with the dryer.

The dryer must not be installed or stored in an area where it will be exposed to water and/or weather.

The dryer needs sufficient clearance and an adequate air supply for proper operation and ventilation, and for easier installation and servicing. (Minimum clearances are shown in *Figure 3*).

The dryer must not be installed behind a lockable door, a sliding door or a door with a hinge on the opposite side to that of the dryer, in such a way that a full opening of the dryer door is restricted.

3. Place the dryer in position, and adjust the legs until the dryer is level from side to side and front to back. Leveling legs can be adjusted from inside the dryer with a 1/4 in. driver.
4. All four legs must rest firmly on the floor so the weight of the dryer is evenly distributed. The dryer must not rock.

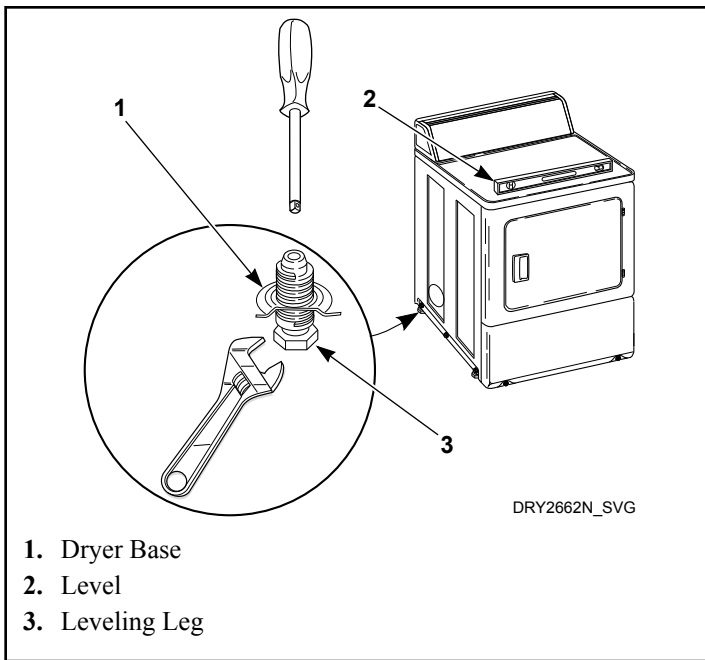
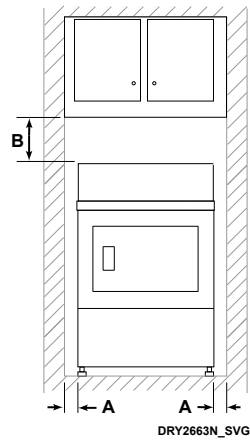
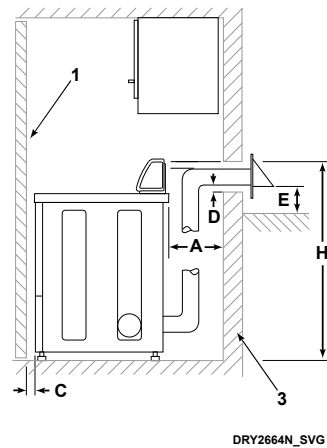


Figure 2

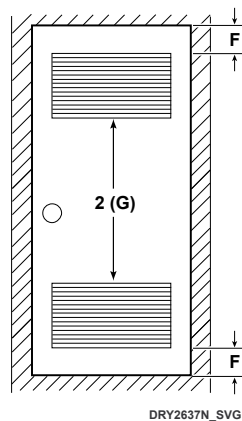
Front View (Without Closet Door)



Side View (Closet Door)



Front View (Closet Door)



1. Closet Door
2. Centered Air Openings (G) (2 Openings minimum)
3. Outer Wall of Enclosure


Figure 3


Area	Description	Free Standing/Alcove Installation	Closet Installation
A*	Dryer sides and rear clearance	0 mm [0 in.]	0 mm [0 in.]
B	Dryer top clearance	305 mm [12 in.]	305 mm [12 in.]
C	Dryer front clearance	Not Applicable	51 mm [2 in.]
D	Exhaust duct clearance to combustible material	51 mm [2 in.]	51 mm [2 in.]
E	Weather hood to ground clearance	305 mm [12 in.]	305 mm [12 in.]
F	Distance from floor or ceiling to air opening edge	Not Applicable	76 mm [3 in.]
G	Area of centered air openings in closet door. Louvered door with equivalent air openings is acceptable. (Minimum clearances are shown.)	Not Applicable	1016 sq. mm/open [40 sq. in./open]
H	For new installations, it is suggested to locate top of wall vent 1067 mm [42 inches] above floor to make venting easier to connect.	1067 mm [42 in.]	1067 mm [42 in.]
*	Rear clearance is minimum. 51 mm [2 inches] is recommended for utility connection. 152 mm [6 inches] is recommended when venting through rear of unit.		


Table 1

IMPORTANT: In mobile home installations, gas dryers **MUST** be permanently attached to the floor at the time of installation. Order No. 526P3 Hold Down Kit (available at extra cost) for a manufactured (mobile) home installation. Follow the instructions supplied with the kit.

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
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

To reduce the risk of fire due to increased static pressure, we do not recommend installation of in-line secondary lint filters or lint collectors. If secondary systems are mandated, frequently clean the system to assure safe operation.

W749

IMPORTANT: Installing in-line filters or lint collectors will cause increased static pressure. Failure to maintain the secondary lint system will decrease dryer efficiency and will void machine warranty.

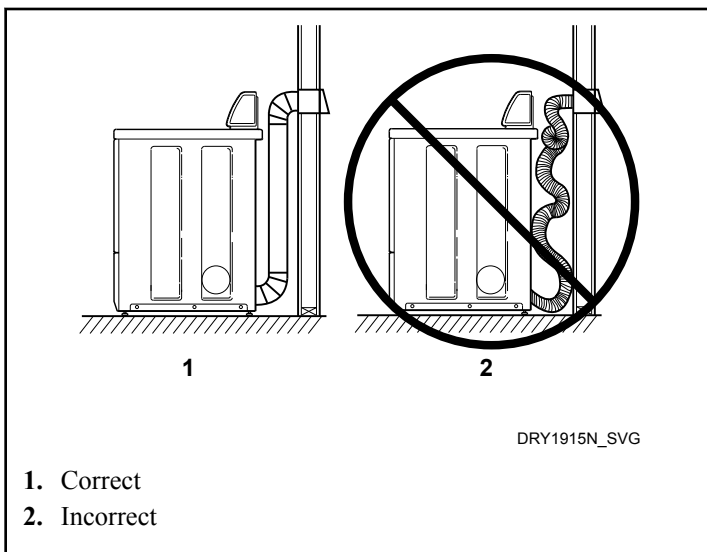


Figure 4

- 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.
- Install backdraft dampers in multi-dryer installations.
- 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 5.09 cmm (180 cfm) (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 10 mm water column [0.4 inches water column], measured with manometer placed on exhaust duct 610 mm [two feet] from dryer (check with dryer running and no load). In multi-dryer installations, all dryers connected to the main collector duct should be operating when pressure is checked.
- 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 mm² [40 in.²].
- Energy efficient buildings with low air infiltration rates should be equipped with an air exchanger that can accommodate on demand make-up air needs in the laundry room. These devices can be obtained through your building contractor or building material suppliers.
- Do not draw make-up air from a room containing a gas fired water heater, a dry cleaner or a hair salon.
- Failure to exhaust dryer properly will void warranty.
- A dryer will dissipate 681,392 J/m² [60 Btu/ft²] 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.

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 System

For best drying results, recommended maximum length of exhaust system is shown in *Table 2*.

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 snow-fall can occur.

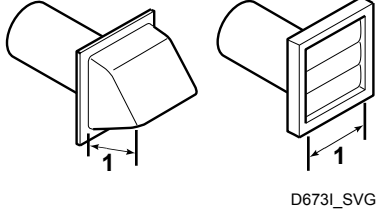
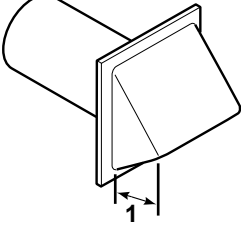
Number of 90° Elbows	Weather Hood Type	
	Recommended	Use Only for Short Run Installations
	 <p>1. 102 mm [4 in.]</p>	 <p>1. 64 mm [2.5 in.]</p>
Maximum length of 102 mm [4 in.] diameter rigid metal duct.		
0	19.8 m [65 feet]	16.8 m [55 feet]
1	16.8 m [55 feet]	14.3 m [47 feet]
2	14.3 m [47 feet]	12.5 m [41 feet]
3	11.0 m [36 feet]	9.1 m [30 feet]
4	8.5 m [28 feet]	6.7 m [22 feet]

Table 2

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.].

Gas Dryers - Connect Gas Supply Pipe

(5.9 kW)

Gas Rate = 0.55 m³/hr.

NOTE: This appliance must be installed in accordance with regulations in force.

NOTE: This machine is supplied from the factory for operation on Natural Gas (2nd Family, Group H[E]) at nominal inlet pressure of 20 mbar for use in the countries of GB/IE/PT/ES/IT/BE. For installation in other EU Countries, and/or for conversion to L.P. (Liquefied Petroleum) gas, consult the distributor



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.

W316

These instructions are only valid if the following country code is on the appliance - GB/IE/PT/ES/IT/BE. If this code is not present on the appliance, it is necessary to refer to the technical instructions which will provide the necessary information concerning the modification of the appliance to the condition of use for the country.

Before installation, check that the local distribution conditions, nature of gas and pressure, and the adjustment of the appliance are compatible.

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.

Natural Gas, 37.3 MJ/m³ [1000 Btu/ft³], 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 760 m [2500 feet] the natural gas valve spud orifice size must be reduced to ensure complete combustion. Refer to *Table 3*.

Natural Gas Altitude Adjustments

Altitude	Orifice Size		Part Number
m [feet]	#	mm [inches]	
760 [2500]	45	2.08 [0.0820]	D503779
1370 [4500]	46	2.06 [0.0810]	D503780
1830 [6000]	47	1.99 [0.0785]	D503781
2290 [7500]	48	1.93 [0.0760]	D503782
2900 [9500]	49	1.85 [0.0730]	D503783
3355 [11,000]	50	1.78 [0.0700]	D503784

Table 3

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.

NOTE: If gas supply connection is British Standard Pipe Tapered thread (BSPT), order 44178804 brass female NPT (FPT) to male BSPT gas pipe thread adapter, available at extra cost.

3. Connect to gas supply pipe.

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 suitable for the appliance category in accordance with national installation regulations of the country of destination 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 5*.

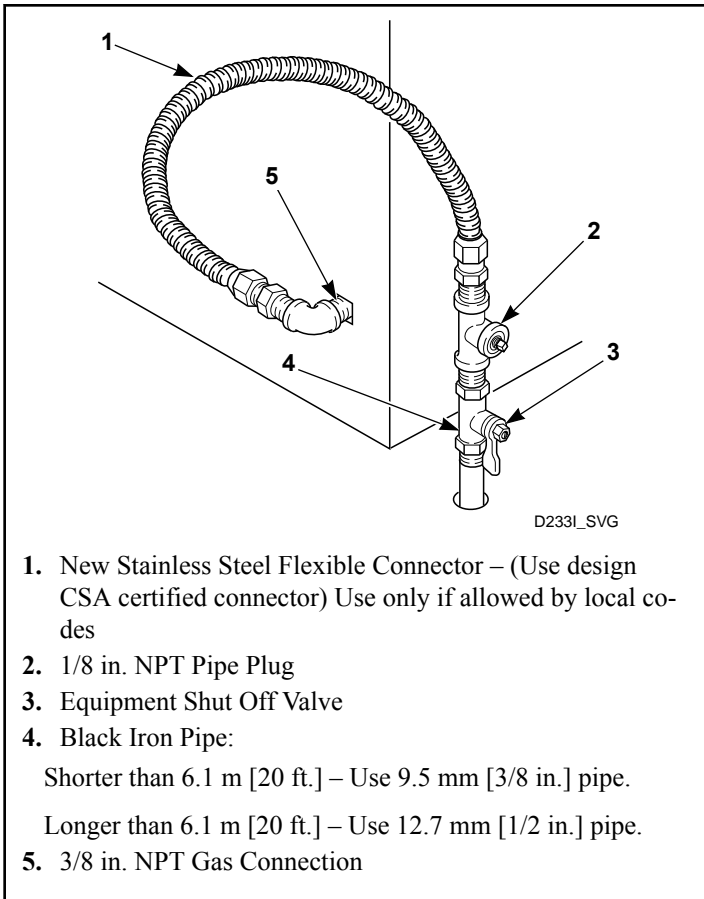


Figure 5

4. Tighten all connections securely. 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 50 mbar. Refer to *Check Heat Source*.

NOTE: DO NOT connect the dryer to L.P. gas without consulting the distributor and/or without performing the proper conversion according to the conversion instructions (Conversion Kit 599P3).

L.P. (Liquefied Petroleum) Gas, 93.1 MJ/m³ [2500 Btu/ft.³], service must be supplied at 10 ± 1.5 inch water column pressure.

For proper operation at altitudes above 1370 m [4500 feet] the L.P. gas valve spud orifice size must be reduced to ensure complete combustion. Refer to *Table 4*.

L.P. Altitude Adjustments			
Altitude	Orifice Size		Part No.
m [feet]	No.	mm [inches]	
1370 [4500]	56	1.2 [0.0465]	D503786
3000 [9500]	57	1.1 [0.0430]	60941

Table 4

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.

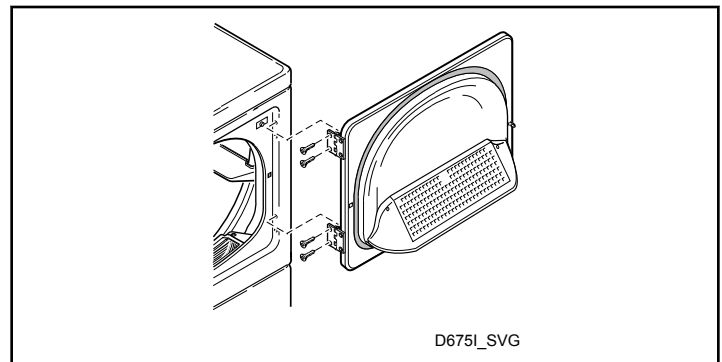


Figure 6

2. Remove all nine screws.

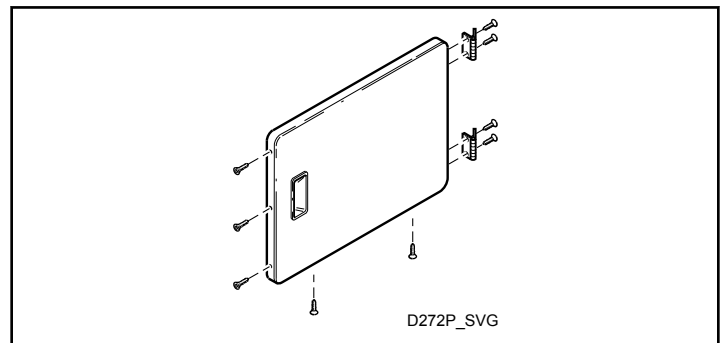


Figure 7

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

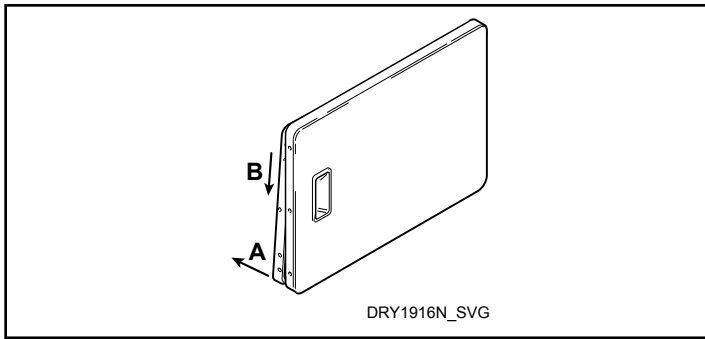


Figure 8

4. Rotate door panel 180 degrees as shown.

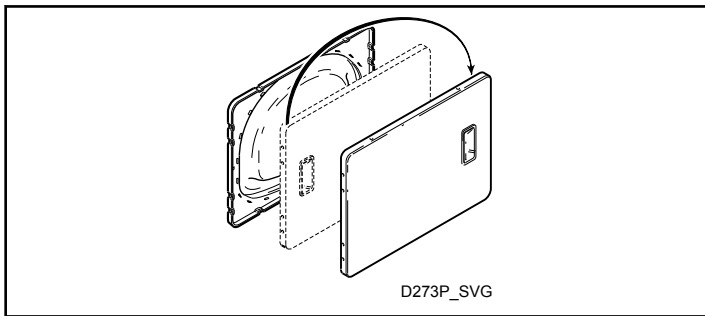


Figure 9

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

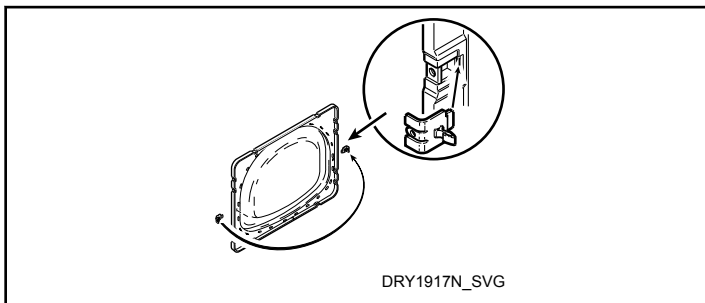


Figure 10

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

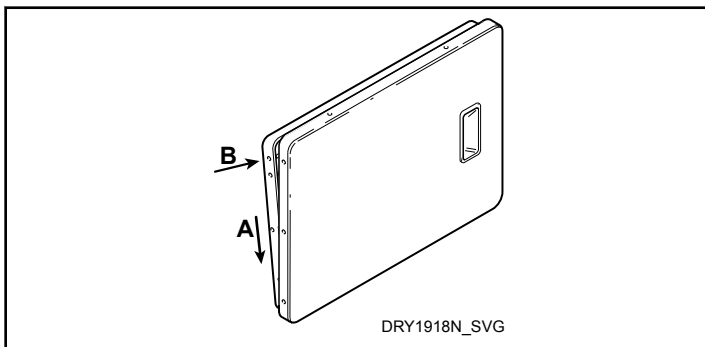


Figure 11

7. Reinstall nine screws removed in Step 2.

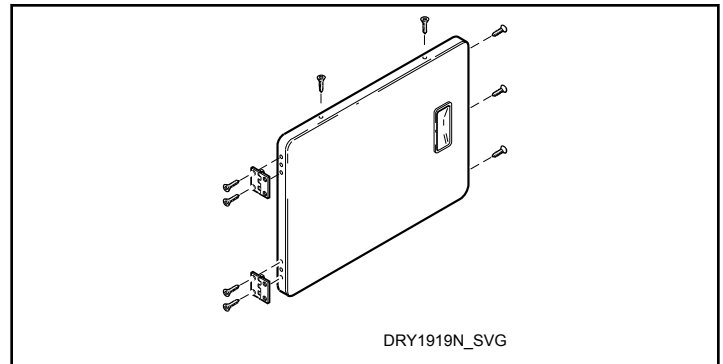


Figure 12

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

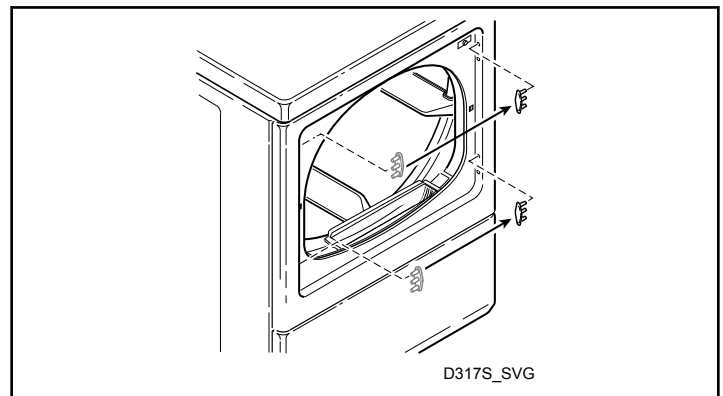


Figure 13

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

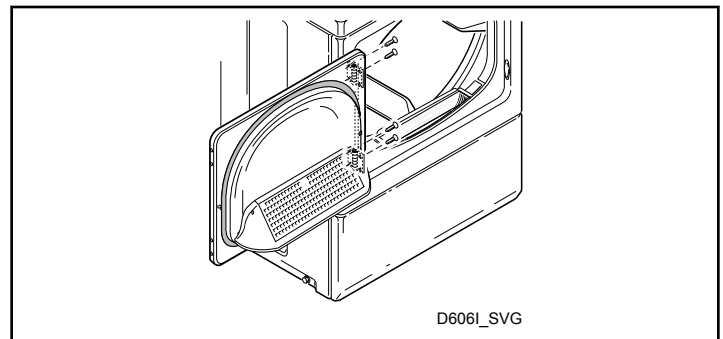


Figure 14

Wipe Out Inside of Dryer

Before using dryer 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 dryer drum.

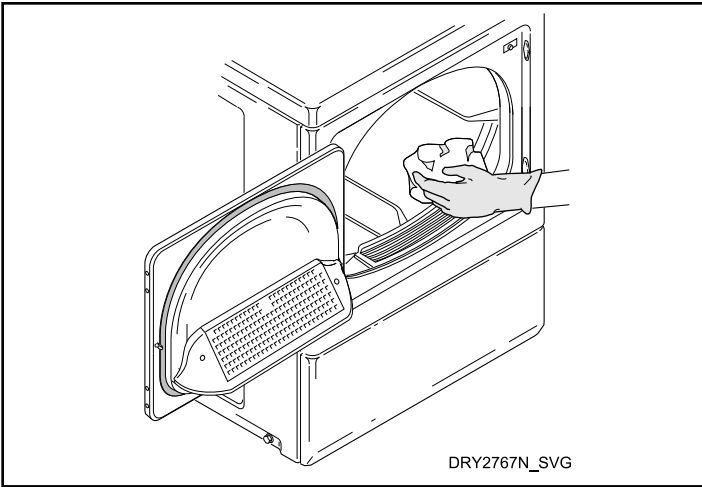


Figure 15

Connect the Dryer to Electrical Power

This appliance is to be supplied through a residual current device (RCD) having a rated residual operating current not exceeding 30 mA.

	WARNING
<p>The appliance must not be supplied through an external switching device, such as a timer, or connected to a circuit that is regularly switched on and off by a utility.</p>	
W943	

NOTE: If applicable, the male connection plug must be connected only to a female socket of the same technical characteristics.

Electric Dryers

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

Refer to serial plate for requirements.

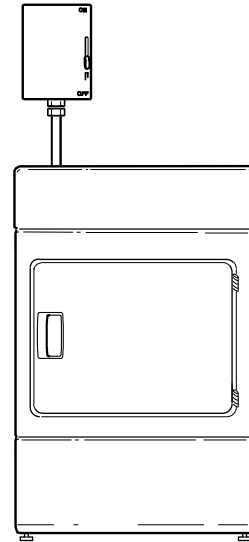
IMPORTANT: Have a qualified electrician install appropriate electrical receptacle.

THREE-PHASE MODELS

440 Volt, 60 Hertz, 3 Wire Plus Earth/Ground, 10 Amp Installation

	WARNING
<p>To reduce the risk of fire, electric shock, severe personal injury or death, all wiring and protective earth/ground connections MUST abide with local electrical codes. 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 dryer.</p>	
W888	

Machine Must Be Hard Wired



DRY1958N_SVG1

NOTE: Electrical disconnect must be located so that it is easily accessible with machine in place. Machine must be hard wired. An intermediate shut-off box that provides all pole disconnection from the supply mains must be used in compliance with all local electrical codes.

Figure 16

Earth-Ground and Wiring Instructions

- The dryer must be connected to a metal, permanent wiring system that is properly installed and connected to a protective earth/ground; 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.
- Refer to dryer serial plate for electrical requirements. Circuit must be fused and wired to handle requirements. The dryer must be connected to a separate branch, three-phase circuit, fused and wired to handle Voltage, Hertz and other requirements listed on serial plate.

Recheck Steps

Refer to Installer Checklist on the back cover of this manual and make sure that dryer is installed correctly.

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.

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 lock screw.
 - 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 lock screw 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.

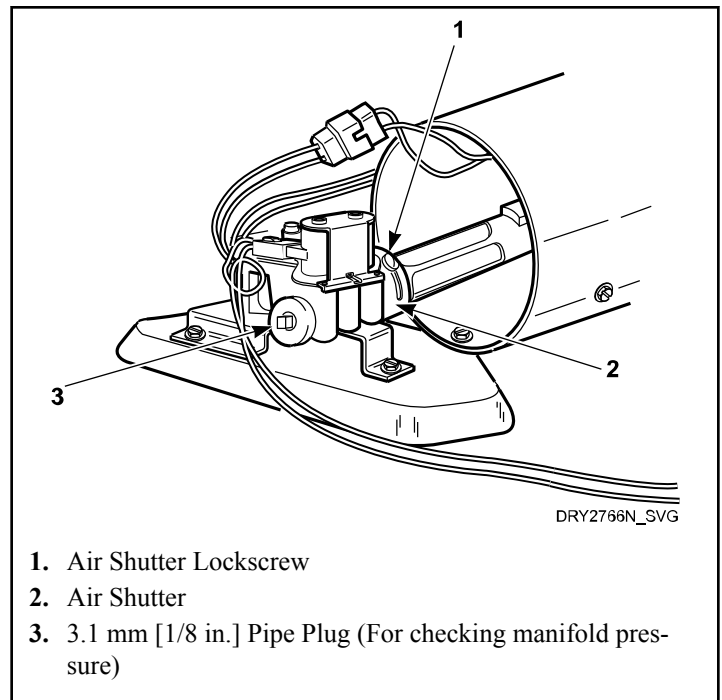
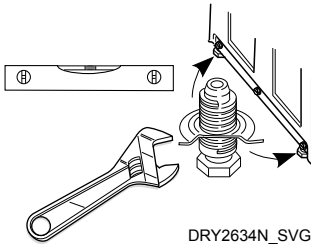
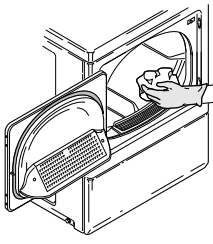
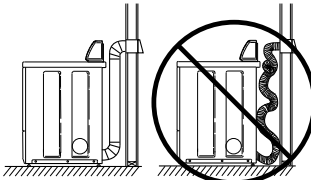
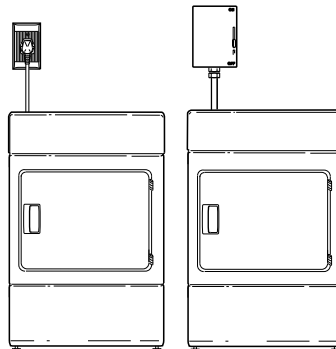
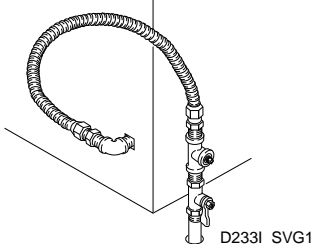
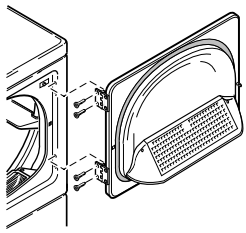


Figure 17

Installer Checklist

Fast Track for Installing the Dryer

1	Position and Level the Dryer.	 DRY2634N_SVG	5	Wipe Out Inside of Dryer.	 DRY2767N_SVG1
	CHECK			CHECK	
2	Connect Dryer Exhaust System.	 DRY1915N_SVG1	6	Connect the Dryer to Electrical Power.	 DRY2654N_SVG
	CHECK			CHECK	
3	GAS ONLY • Connect Gas Supply Pipe. • Check for Gas Leaks.	 D233I_SVG1	7	Recheck Steps.	
	CHECK			CHECK	
4	Reverse Door, if Desired.	 D675I_SVG1	8	Start and Run Dryer in Heat Setting to Verify Dryer is Heating.	
	CHECK			CHECK	

Refer to the manual for more detailed information