

# Installation Instructions

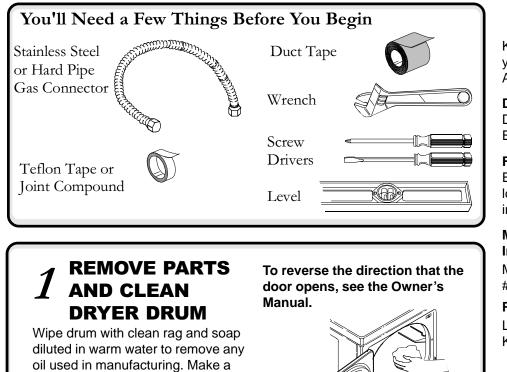
# **Gas Dryer**

Keep instructions for future reference. Be sure manual stays with dryer.

paste of laundry detergent and clean

drum if necessary.

**Questions?** See Owner's Manual or call Amana Consumer Affairs Department 1-800-843-0304



## **Optional Kits**

Kits are available at extra cost through your Amana dealer or Amana factory 1-800-843-0304

**Directional Exhaust Kit** DK1 Sales Accessory (Directional Exhaust Kit #528P3).

#### Flexible Metal Vent Kit

Exhausting the dryer in hard-to-reach locations can be accomplished by installing Kit # 521P3.

#### Manufactured (Mobile) Home Installation Kit

Manufactured home anchor Kit #526P3.

**Propane Gas Conversion Kit** LPK1 Sales Accessory (L.P./Propane Kit # 649P3).

## **CONNECT DRYER TO EXHAUST** SYSTEM

Secure all joints with clamps or duct tape. DO NOT use sheet metal screws or other fastening means which extend into the duct to attach exhaust pipe joints. They could catch lint and reduce the efficiency of the exhaust system.

**IMPORTANT:** Keep exhaust duct as short as possible.

Be sure old ducts are clean before installing your new dryer.

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

Weather hood should be installed at least 12" (30.5 cm) above the ground. Higher clearances may be necessary in areas where heavy snowfall can occur.

No extra system length consideration is necessary when exhausting through the roof. Use MAXIMUM EXHAUST LENGTH table to calculate system length. Use a roof cap that provides air flow equal to weather hood.

#### **Exhaust Directions**

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

Dryer is shipped from factory ready for rear exhaust. No kits required.

To exhaust dryer through sides or bottom, install a DK1 Sales Accessory (Directional Exhaust Kit 528P3). Available as optional equipment at extra cost.

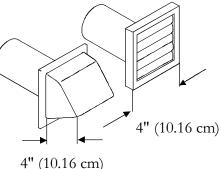
**Exhaust System Materials** Exhaust duct must be four inches (10.2 cm) in diameter without obstructions. Rigid metal duct is recommended. Non-combustible semirigid flexible metal duct is acceptable.

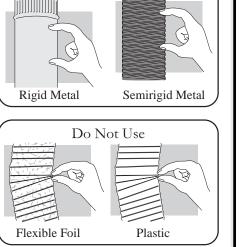
DO NOT use plastic pipe, foil pipe, or flexible plastic pipe, because it contributes to poor drying performance and collects lint, which can lead to a fire hazard. To identify flexible foil or plastic duct, pinch the coils of the duct between your fingers. If the coils can be brought together, do not use the duct.

Number of 90° Elbows
0
1
2

Number of 90º Elbows 0

1	
2	
3	
NOTE:	Dedu





Use

## Maximum Exhaust Length

#### **Rigid Metal Duct**

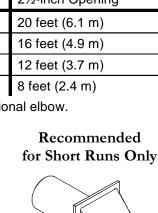
Weather Hood 4-inch Opening	Weather Hood 2½-inch Opening
44 feet (13.4 m)	34 feet (10.4 m)
34 feet (10.4 m)	26 feet (7.9 m)
26 feet (7.9 m)	20 feet (6.1 m)
20 feet (6.1 m)	14 feet (4.3 m)

#### Flexible Metal Duct

Weather Hood 4-inch Opening	Weather Hood 2½-inch Opening
24 feet (7.3 m)	20 feet (6.1 m)
20 feet (6.1 m)	16 feet (4.9 m)
16 feet (4.9 m)	12 feet (3.7 m)
12 feet (3.7 m)	8 feet (2.4 m)

uct 6 feet (1.8 m) for each additional elbow

#### **Recommended Weather Hood**





2-1/2" (6.35 cm)

# $\mathcal{J}_{\text{SUPPLY}}^{\text{CONNECT GAS}}$

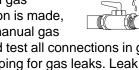
## L.P./Propane

DO NOT connect dryer to L.P./ Propane gas service without converting the gas valve. An LPK1 Sales Accessory L.P./Propane Gas Conversion Kit 649P3 must be installed.

#### Test for Gas

#### Leaks

After final gas



supply piping for gas leaks. Leak testing of the appliance shall be conducted according to the manufacturer's instructions.

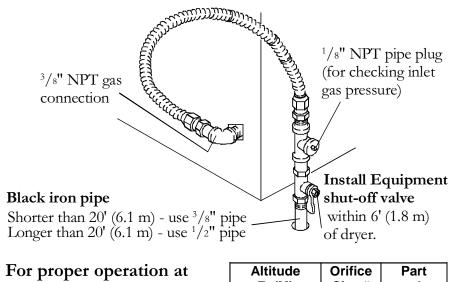
- 1. Place soap suds on connections.
- 2. If bubbles appear, a leak is present. Shut off gas supply valve
- 3. Tighten joint if leak is at factory fittina.
- If leak is not at factory fitting. unscrew, apply more joint compound, and tighten to correct leak.
- Retest connection for leak after tightening or adding joint compound.
- were disturbed.

Connect gas supply to dryer using a new stainless steel flexible connector or hard pipe (check local codes) according to illustration. Test for leaks and check burner flame after gas supply is connected. See *Checking Burner* Flame section on next page.

- Dryer must be connected to type of gas as shown on nameplate located in the door recess.
- Use pipe joint compound insoluble on LP (propane) 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.

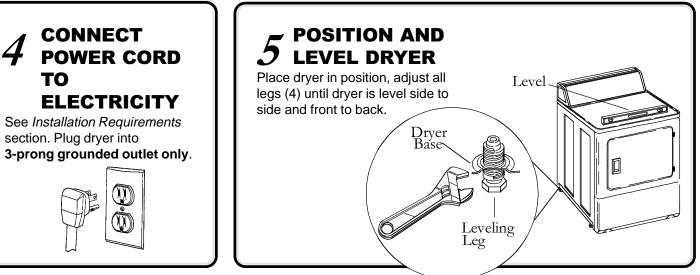
#### Use new stainless steel flexible connector

only if allowed by local codes (Use Design A.G.A. certified connector)



## altitudes above 2,500 feet The natural gas valve spud orifice size must be reduced to ensure complete combustion. See table.

Altitude	Orifice	Part
Ft (M)	Size #	number
3000 (915)	43	503778
6000 (1830)	44	58719
8000 (2440)	45	503779
9000 (2740)	46	503780
10000(3050)	47	503781



connection is made, turn on manual gas

valve and test all connections in gas

- · Retest any connections that

# **Important Safety Information**

# **Installation Requirements**

### **About Ground Wires**

In the event of an electrical short circuit, a ground wire reduces the risk of electric shock by providing an escape wire for the electric current.

Standard accepted color coding for ground wires is green or green with a yellow stripe.

Grounding wires and wires colored like grounding wires are **<u>NOT</u>** to be used as current carrying conductors.

# WARNING

To reduce the risk of fire and exposure to combustion gases, the dryer MUST be exhausted to the outdoors. 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.

# **WARNING**

To reduce the risk of fire, DO NOT use plastic pipe, foil pipe, or flexible plastic pipe to exhaust the dryer. Never install flexible duct in concealed spaces, such as a wall or ceiling.

# **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 Electric 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 checked by a qualified electrician to make sure your home has adequate electrical power to operate the dryer.

# **Grounding Instructions**

Dryer must be grounded. Dryer is equipped with a cord having a grounding conductor and a 3-prong grounding plug. The three-prong grounding plug on the power cord should be plugged directly into a polarized three-slot grounded receptacle rated 110/120V AC (alternating current) 15 Amps.

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To avoid risk of personal injury or death due to electrical shock:

- Observe all local codes and ordinances. Disconnect electrical power to
- unit before servicing. Ground appliance properly.
- Check with a qualified electrician if you are not sure this appliance is properly grounded.
- DO NOT ground to gas line.
- DO NOT ground to cold water pipe if pipe is interrupted by plastic, non-metallic gaskets, or other insulating (non-
- conducting) materials.

- DO NOT modify plug on power cord. If plug does not fit electrical outlet, have proper outlet installed by qualified electrician
- DO NOT have a fuse in the neutral or ground circuit. A fuse in the neutral or ground circuit could result in an electrical shock.
- DO NOT use an extension cord with this appliance.
- DO NOT use an adapter plug with this appliance.
- DO NOT pinch power cord.

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To avoid death, personal injury or property damage, from fire or explosion, information in this manual must be followed exactly.

- 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 buildina.
- 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.

California Safe Drinking Water and Toxic Enforcement Act (Proposition 65) 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 manufacturer's instructions.

# Save These Instructions

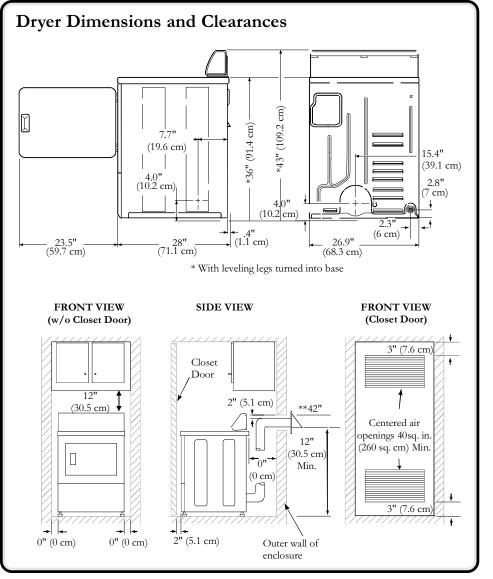
Consider	Description		
Location	Use dimensions shown in manual to determine space r Place dryer on a solid floor in an area with an adequate supply air vent of 40sq. in. (260 sq. cm) min. No other fuel burning appliance should be installed in th Dryer must not be installed or stored in an area where i <b>Manufactured (mobile) home installation</b> must confor Construction and Safety Standards, Title 24 CFR, Part Gas dryers must be permanently attached to the floor a Dryer installation Kit for a manufactured (mobile) home		
Electrical Requirements	Dryer requires 120 volt, 15 amp, 60 Hz power supply an is approximately 69" long. Do not operate other applian appliance is operating. Refer to serial plate for specific control hood.		
Gas	Natural Gas Pressure, 1000 Btu/ft3 (37.3 MJ/m3), servic column pressure. L.P. (propane) Gas Pressure, 2,500 B supplied at 10 + 1.5 inch water column pressure. NOTE: The dryer and its appliance main gas valve mu piping system during any pressure testing of that syster (3.45 kPa). Dryer must be isolated from the gas supply shut-off valve during any pressure testing of the gas su to or less than 1/2 psi (3,45 kPa). When connecting to a gas line, an equipment shutoff valve the dryer. An 1/8" N.P.T. pipe plug must be installed. The gas service to a gas dryer must conform with the lo absence of local codes and ordinances, with the latest ANSIZ223.1/NFPA 54 or the CAN/CGA-B149, National Accessory (L.P./Propane Gas Conversion Kit 649P3) m to L.P./Propane Gas Service without converting the gas		
Exhaust	<ul> <li>Use rigid or semi-rigid metal duct and exhaust the dryer possible. Failure to exhaust dryer properly will void war</li> <li>Dryer exhaust duct must be secured to the mobile ho NOT terminate under the mobile home.</li> <li>Exhaust duct must not be connected to any other duct</li> <li>Venting materials are not supplied with the dryer. Do</li> <li>Static pressure in the dryer's exhaust duct should be with dryer running and no load. Measure with a manor approximately two feet (61 cm) from the dryer.</li> <li>For the best exhaust system</li> <li>Locate dryer so exhaust duct is as short as possible.</li> </ul>		

- Verify old ducts are cleaned before installing new dryer.
- Use 4" (10.2 cm) diameter rigid or flexible metal duct.
- Use as few elbows as possible.
- Use duct tape on all joints.



- determine space needed for installation.
- a with an adequate air supply. A closet door must have a m) min.
- ld be installed in the same closet with the drver.
- in an area where it will be exposed to water and/or weather.
- llation must conform to the Manufactured Home Title 24 CFR, Part 32-80 or Standard CAN/CSA-Z240 MH.
- ched to the floor at the time of installation. Order No. 526P3 ed (mobile) home installation.
- Iz power supply and **3-prong grounding plug**. Power cord erate other appliances on the same circuit when this I plate for specific requirements. Wiring diagram is located in
- 37.3 MJ/m3), service must be supplied at 6.5+1.5 inch water Pressure, 2,500 Btu/ft3 (93.1 MJ/m3), service must be in pressure.
- nain gas valve must be disconnected from the gas supply sting of that system at test pressures in excess of 1/2 psi om the gas supply piping system by closing the equipment sting of the gas supply piping system at test pressures equal
- uipment shutoff valve must be installed within 6' (1.8 m) of ust be installed.
- conform with the local codes and ordinances or in the es, with the latest edition of the National Fuel Gas Code GA-B149, National Gas Installation Code. LPK1 Sales rsion Kit 649P3) must be installed. DO NOT connect dryer converting the gas valve.
- I exhaust the dryer to the outside by the shortest route perly will void warranty.
- d to the mobile home structure. Dryer exhaust duct MUST
- d to any other duct, vent or chimney.
- with the dryer. Do not use plastic or thin foil flexible ducting.
- ist duct should be no greater than .6 inches (1.5 cm). Check asure with a manometer placed on the exhaust duct n the dryer.

# **Installation Checks and Adjustments**



#### **Checking Burner Flame** To view the burner flame, remove the lower front panel of the dryer.

# WARNING

To prevent personal injury or property damage, front panel must be in place during normal operation.

Close the loading door, start the dryer in a heat setting (refer to Operating Instructions) The dryer will start, ignitor will glow red, and main burner will ignite.

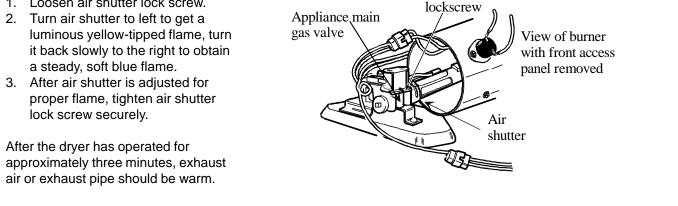
IMPORTANT: If all air is not purged out of gas line, gas ignitor may go off before gas is ignited. If this happens, after approximately two minutes ignitor will again attempt gas ignition.

After the dryer has operated for approximately 5 minutes, observe burner flame through lower front panel. Adjust air shutter to obtain a soft, uniform blue flame. (A lazy, vellow tipped flame indicates lack of air. A harsh, roaring, very blue flame indicates too much air.)

#### Adjusting Air Flow to Burner

- Loosen air shutter lock screw.
- 2. Turn air shutter to left to get a luminous yellow-tipped flame, turn it back slowly to the right to obtain a steady, soft blue flame.
- 3. After air shutter is adjusted for proper flame, tighten air shutter lock screw securely.

After the drver has operated for



Air shutter