

Diamond/Dometic Gas Refrigerator Installation

Gas Connection

Hook-up to the gas supply line is accomplished at the manual gas shutoff valve, which comes with a 3/8" SAE (UNF 5/8" -18) male flare connection. A backup wrench must be used when tightening the gas supply fitting. All completed connections should be checked for leaks with a non-corrosive leak detector. Please, please, please do not use a flame to check for gas leaks.

The gas supply system must incorporate a pressure regulator to maintain a supply pressure of not more than 11 inches water column

When testing the gas supply system at test pressures in excess of 0.5 psi, the refrigerator and its individual shutoff valve must be disconnected from the gas supply system at pressures less than or equal to 0.5 psi. The appliance must be isolated from the gas supply piping system by closing its individual manual shutoff valve.

Testing LP Gas Safety Shutoff

The gas safety shutoff must be tested after the refrigerator is connected to the LP gas supply. To test the gas safety shutoff, proceed as follows:

1. Start the refrigerator according to the instructions for Gas Operation.
2. Check that the gas flame is lit. This can be observed through the reflector.
3. Close the gas valve by turning the knob back to the "OFF" position.
4. Wait for one minute.
5. Remove burner cover plate (one screw at the burner). Open the gas valve by turning the knob to the "GAS" position without pushing the buttons. Apply a non-corrosive commercial bubble solution to the burner jet.
6. No bubbles should appear at the opening of the burner jet. The presence of bubbles indicates a defective gas safety shutoff, and service is required.
7. If no bubbles were present at the burner jet, the gas safety valve is working properly. Rinse jet thoroughly with fresh water before proceeding. Be careful not to damage the burner jet.
8. Replace the burner cover plate and turn the knob back to "OFF."
9. Start the refrigerator by following the instructions for Gas Connection.
10. Normal operation of the burner should commence. Allow the burner to operate for a minimum of 5 minutes.

Electrical Connection (120V AC Connection)

The refrigerator is equipped with a three-prong (grounding) plug for your protection against shock hazards and should be plugged directly into a properly grounded three-prong receptacle. DO NOT cut or remove the grounding prong from this plug. The cord should be routed to avoid direct contact with the burner cover, flue cover, or any other components that could damage the cord insulation.

Refrigerator Removal

Before working on the refrigerator, make sure the AC voltage leads are disconnected. Shut off the gas supply. Disconnect the gas supply line at the rear of the refrigerator. Always use a backup wrench when loosening and tightening this connection. Cap the gas supply line and remove the refrigerator. Replacement is the reverse of removal. Check all connections for gas leaks.