

H3749

Ovation WG3 - WG4 Control Valve Installation Instructions

Tools needed : 5/16", 1/4" nutdriver , 7/16" 3/4" wrench , sealing compound resistive to LP gas.

Remove the four thumb screws that secure the outer casing to the bottom plate. Remove the outer casing by gently pulling it over the top of the stove body. (Do not grasp by gold trim) Set aside.

Open up the glass door by releasing the draw latches and remove the two nuts on the burner , lift the burner up and out of the firebox . Set aside.

Remove contents of control assembly package. Verify gas type and stove venting configuration (top vent / vertical (WG3) or rear vent / horizontal (WG4)). The stove and the control valve assembly must match for correct operation and installation. A vertical control valve will not fit in a horizontal stove and horizontal control valve will not fit in a vertical stove.

Refer to the chart below on the correct orifice size for the elevation above sea level at which this appliance is going to be installed. Failure to select the correct size orifice may cause excessive carbon deposits inside the firebox and flue gas passages. The control valve assembly is factory equipped with an orifice suitable for altitudes of 0' - 2,000'. High altitude orifices are included with each kit and the orifice size is stamped on the hex portion of each orifice. When installing a new orifice, apply a sealing compound resistive to action of LP gas.

WG3 Top Vent (Vertical)

Natural Gas		Propane	
(0' - 2000')	# 31	(0' - 2000')	# 50
(2000' - 4500')	# 32	(2000' - 6000')	# 51
(4500' - 6000')	# 33		

WG4 Rear Vent (Horizontal)

Natural Gas		Propane	
(0' - 2000')	# 33	(0' - 2000')	# 51
(2000' - 4500')	# 34	(2000' - 6000')	# 52
(4500' - 6000')	# 36		

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Place the control valve assembly into the firebox and seat into the opening in the bottom plate. Note: the flexible connector must be on the left hand side and must be inserted prior to the valve. Feed the flex connector through the opening in the pedestal tower back and fasten the control valve plate to the bottom plate 7 places with the 10-24 x 3/8 hex screws, tighten with a 5/16" socket or nut driver. As previously mentioned if the valve assembly does not fit properly, check for correct valve assembly.

Connect the ends of the two black wires that are coming through the bottom plate from the micro-switch assembly to the insulated male connector on the thermopile and to the "TPTH" spot on the control valve.

Place the ON/OFF rocker switch into the opening provided in the control cover with the two tabs on bottom.

Remove lock nut from piezo ignitor, install piezo ignitor into the opening provided in the control cover and tighten into place with the lock nut.

Remove the blower control knob and nut from the blower control located inside the pedestal tower and install the blower control in the opening provided in the control cover, tighten the control to panel with lock nut and press the control knob on to the shaft.

Connect the two black wires that are coming from the "TH and "TPTH" spots on the control valve to the ON/OFF switch located in the control cover. **DO NOT ATTEMPT TO CONNECT WIRES FROM THE BLOWER SWITCH OR BLOWER CONTROL TO THE MILLIVOLT CIRCUIT OF THE VALVE ASSEMBLY.**

Connect the orange piezo ignitor wire to the piezo ignitor in the control cover. Place the pilot and hi/lo extension knobs on the control valve.

Install the control cover to the pedestal and fasten two places with black sheet metal screws provided. Connect the power cord to the receptacle located at the rear of the pedestal. Cut and discard the white plastic tie securing the explosion door in the open position, grasp actuation rod, pull back and seat the explosion door. Micro-switch must be activated prior to appliance ignition. Set air shutter at open 1/2 for natural gas and 3/4 for propane, replace burner, check orifice placement in venturi.

Proceed with connecting the gas supply to the appliance per Owner's manual.

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