

Gas Conversion Instructions

Models: MARQ36IN, MARQ42IN, MARQ36IN-B, MARQ42IN-B

Conversion Instructions

This conversion shall be installed by a qualified service agency.

Any damaged valve components should not be installed. If a valve or regulator has been dropped or appears to have been modified, the valve or regulator should not be installed.

Conversion Component list:

- Burner Orifice
- Pilot Orifice
- Gas Conversion Plate
- Gas Label
- Gas Valve Regulator
- Reset Switch (Propane Only)
- Reset Switch Wire (Propane Only)

CAUTION: THE GAS SUPPLY SHALL BE SHUT OFF PRIOR TO DISCONNECTING THE ELECTRICAL POWER BEFORE PROCEEDING WITH THE CONVERSION.

WARNING:

This Conversion kit shall be installed by a qualified service agency in accordance with the manufacturer's instructions and all applicable code and requirements of the authority having jurisdiction. If the information in these instructions is not followed exactly, a fire, explosion or production of carbon monoxide may result causing property damage, personal injury or loss of life. The qualified service agency is responsible for the proper installation of this kit. The installation is not proper and complete until the operation of the converted appliance is checked as specified in the manufacturer's instructions supplied with the kit.

Procedure for conversion:

1. Switch control module to OFF mode using selector switch. See Figure 2.
2. Turn off gas supply to appliance. See note below. If gas shutoff valve is not readily accessible, gas can be shut off through valve access plate after Step 5.
3. Turn off 120V power supply to appliance at breaker.
4. Remove the logs from the appliance. Remove top and bottom left refractory. Remove left side refractory to expose valve access plate. See Figure 3.

NOTE: The valve may be accessed alternatively through the front left surround. See Figure 3. This method of access may only be used if the appliance is being converted prior to installing the non-combustible material pieces supplied with the appliance.

5. Remove eight Phillips screws from the valve access plate.

6. Using a #20 tamper-proof Torx, remove the regulator and rubber gasket on face of valve. See Figure 1. Disconnect wire lead from module. See Figure 2. Discard both the regulator and gasket.

NOTICE: Selector Switch on module **MUST** be in **OFF** mode before valve regulator lead can be connected or disconnected from valve.

7. Install the new regulator with the new rubber gasket included in the conversion kit. Be sure the gasket is seated properly. See Figure 1. Connect the wire lead from the regulator to the module. See Figure 2.

8. Remove the rubber switch cover from the NG/Propane switch on the module. Set the switch to the appropriate gas and replace the cover. See Figure 2.

	WARNING Fire Risk Explosion Risk Gas Leak Risk	
• Rubber gasket must be seated properly on valve face. • Do not install a valve or regulator that has been dropped.		

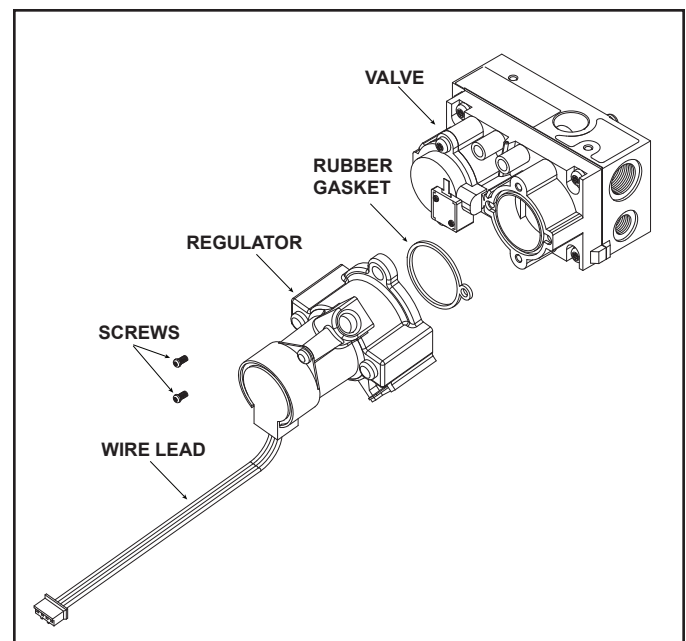


Figure 1

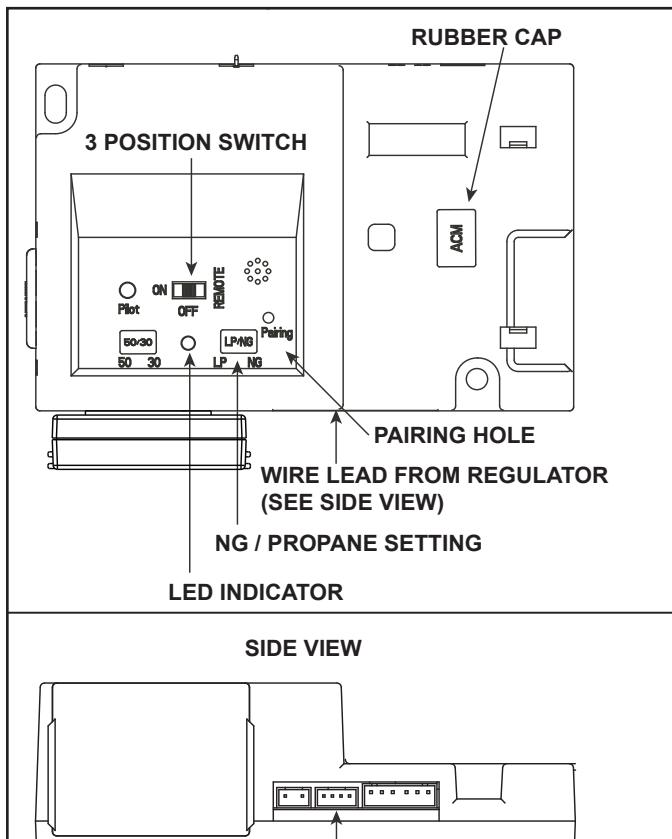


Figure 2 Module - IntelliFire® Touch

9. Remove the two screws holding pilot mounting bracket to burner. Remove burner retaining screw at the back rear grate. See Figure 3.
10. Slide burner toward front of appliance, exposing orifice at rear of appliance. Replace the main burner orifice at the rear of the appliance with the orifice included in the conversion kit. See appliance specification chart on page 4 for appropriate orifice size and shutter settings for each gas type.
11. Unscrew the pilot tube fitting on the pilot assembly and replace the orifice spud with the similar one included in the conversion kit. See Figure 4.

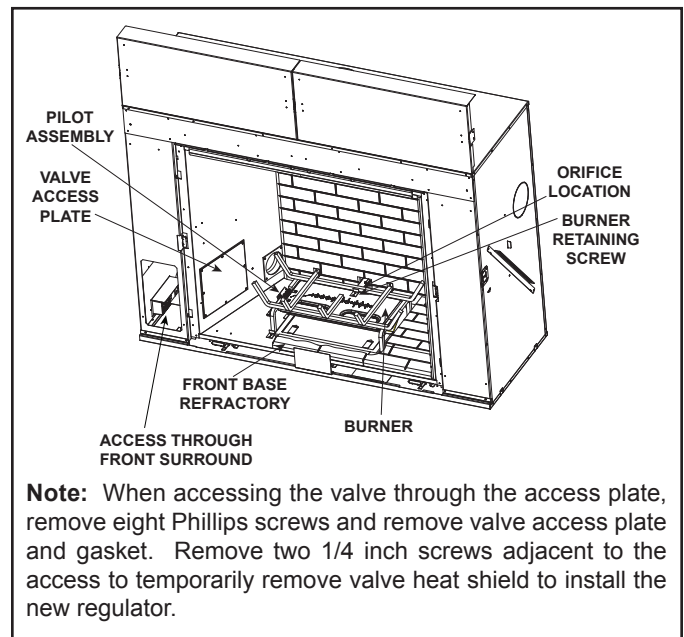


Figure 3 Appliance Shown with Top, Left Hand Side, Left Hand Base Refractories Removed

Note: The qualified service agency installing this conversion must enter the day, month, and year, and sign the natural gas conversion plate added to this appliance.

12. Place the round (NG or P) label over the existing round (P or NG) label on the rating plate assembly. Place the conversion plate adjacent to the existing rating plate assembly.
13. Unplug the green wire from valve.

	WARNING Shock or burn risk. Disconnect green wire from gas valve. Failure to disconnect green wire could result in severe burns.
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14. Turn on power to module and valve.
15. Turn on fireplace with the green wire disconnected from the valve.
16. Use a commercially available, noncorrosive leak check solution to test for leaks around the pilot. Be sure to rinse off all leak check solution following testing. See Figure 4 for leak check points. Extinguish the pilot.
17. Adjust shutter on burner to appropriate setting. See Appliance Specification Charts on page 4 and 5 for correct shutter settings. Slide burner into appliance and reinstall burner mounting screw.
18. Reattach pilot mounting bracket back onto burner using two screws. Attach pilot shield on models that require them. See Appliance Specification Charts on page 4.

	⚠ WARNING
Explosion Risk - Pilot must be reattached to burner shield. - Delayed ignition or an explosion may occur if the pilot is not attached to the burner shield	

19. Reinstall green wire on valve. Use a commercially available, noncorrosive leak check solution to test for leaks around the valve regulator. Be sure to rinse off all leak check solution following testing. Relight burner to test. Turn appliance off to finish reassembly.
20. Locate reset switch and reset switch wire included in conversion kit.
21. Refer to Figure 5 and Figure 6 to locate 6V transformer and control module in appliance control cavity.
22. Unplug 6V transformer from control module and install reset switch wire as shown in Figure 6.
23. Install reset switch onto valve plate in location shown in Figure 6.
24. Attach remaining wires from reset switch wire to reset switch.

Note: If possible, route the wires in a manner that will allow for the existing wire retainers to be utilized.

25. Reinstall refractory.
26. Reinstall logs by following log placement instructions in the appliance installation manual.
27. Reinstall the glass and the decorative front.
28. Verify that the signed and dated conversion plate has been added to appliance.
29. Refer to the appliance Owner's Manual for reset switch operation.

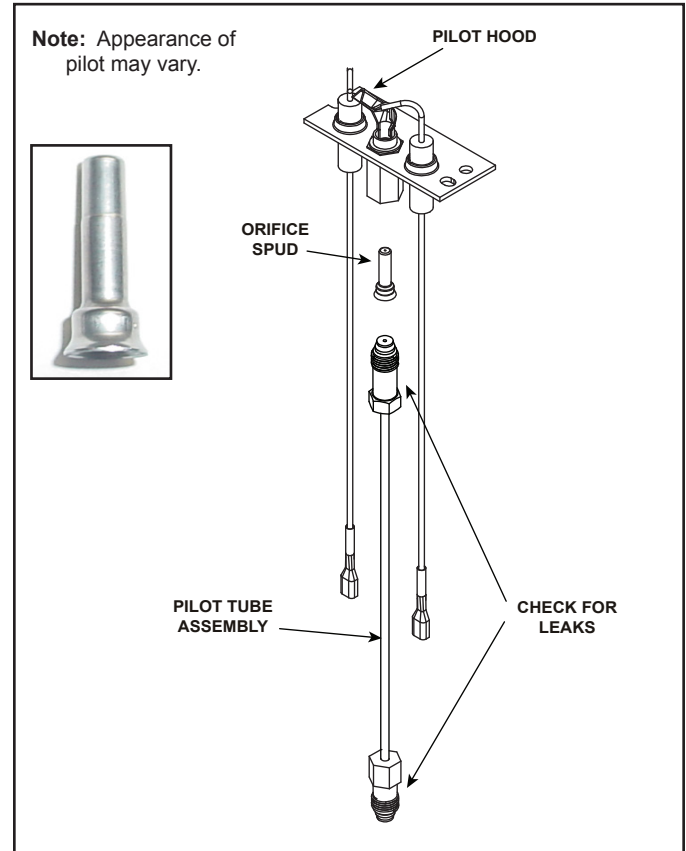


Figure 4

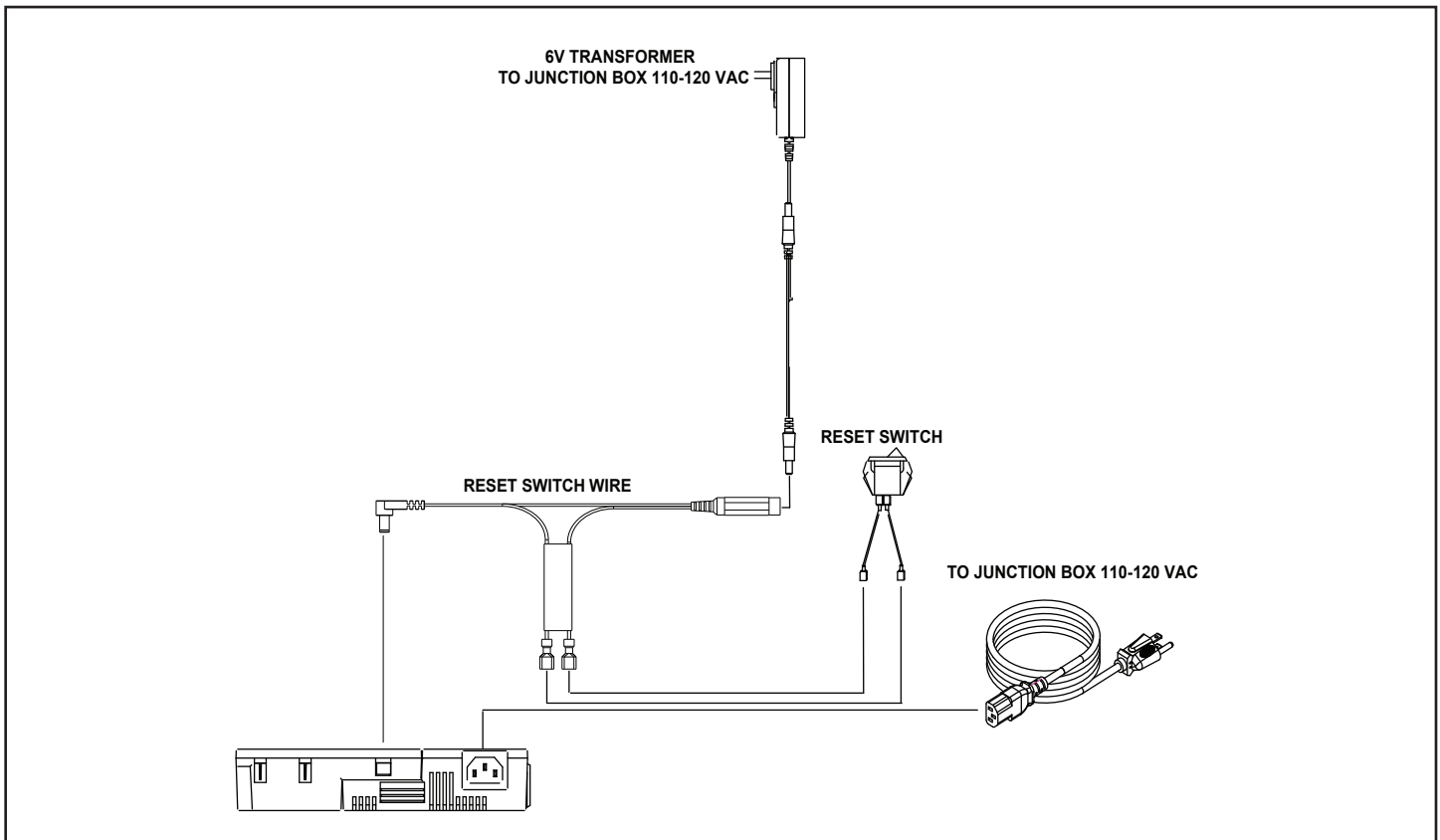


Figure 5. Reset Switch Wiring

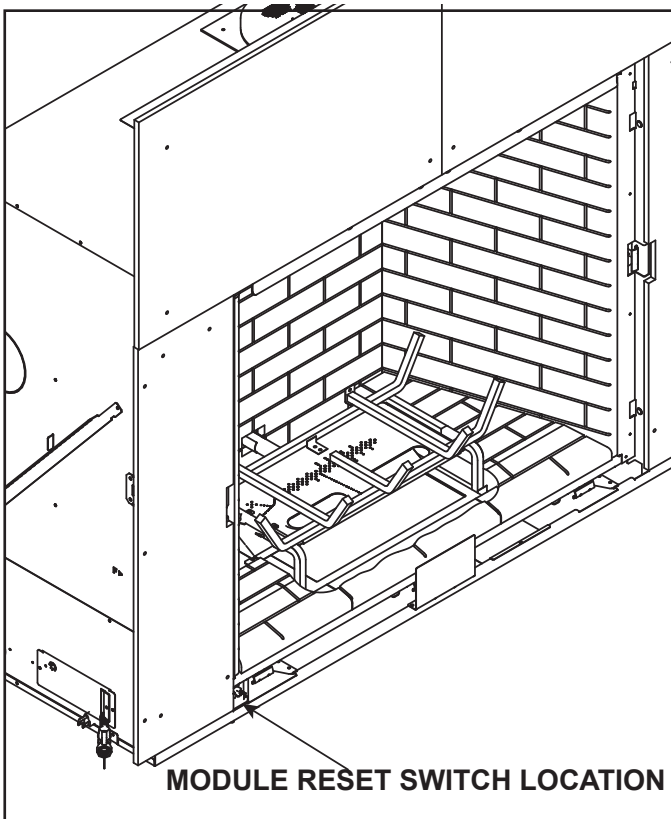


Figure 6. Reset Switch Location

Verify the performance of the ignition system.

1. Turn fireplace on. Verify pilot sparks, pilot lights, pilot stops sparking, and the main burner turns "ON."
2. Turn fireplace OFF. Verify that the both the pilot and burner turn "OFF."
3. Repeat Step 1 above.
4. With burner "ON," remove green wire connected to valve. The main burner should shut "OFF."
5. Turn fireplace OFF. Reattach green wire to valve. Turn fireplace ON. Pilot and main burner should both ignite.
6. With the main burner "ON," remove orange wire connected to the valve. The pilot and burner should go out, and the pilot will start to spark.
7. Turn fireplace "OFF" and reattach orange wire to the valve.

Natural Gas Appliance Specifications

MAXIMUM **MINIMUM**

- Inlet Gas Pressure: 10.0 in. w.c. 5.0 in. w.c.
- Manifold Gas Pressure: 3.5 in. w.c. 1.0 in. w.c.
- Input Rate: See Below

Note:

- In the USA: Reduce input rate 4% for each 1000 feet above 2000 feet.
- In CANADA: Input ratings are certified without a reduction of input rate for elevations up to 4500 feet (1370 m) above sea level. Please consult provincial and/or local authorities having jurisdiction for installations at elevations above 4500 feet (1370 m).

Models	Orifice # (U.S. & Canada)	Shutter	BTU Max. (U.S. & Canada)	BTU Min. (U.S. & Canada)	Pilot Shield	Deflector
MARQ36IN MARQ36IN-B	30	3/8 in.	44,000	25,000	N/A	N/A
MARQ42IN MARQ42IN-B	26	3/4 in.	54,500	30,000	N/A	N/A

Propane Gas Appliance Specifications

MAXIMUM **MINIMUM**

- Inlet Gas Pressure: 13.0 in. w.c. 11.0 in. w.c.
- Manifold Gas Pressure: 10.0 in. w.c. 2.7 in. w.c.
- Input Rate: See Below

Note:

- In the USA: Reduce input rate 4% for each 1000 feet above 2000 feet.
- In CANADA: Input ratings are certified without a reduction of input rate for elevations up to 4500 feet (1370 m) above sea level. Please consult provincial and/or local authorities having jurisdiction for installations at elevations above 4500 feet (1370 m).

Models	Orifice # (U.S. & Canada)	Shutter	BTU Max. (U.S. & Canada)	BTU Min. (U.S. & Canada)	Pilot Shield	Deflector
MARQ36IN MARQ36IN-B	47	Full Open	43,500	24,000	N/A	N/A
MARQ42IN MARQ42IN-B	45	3/4 in.	47,500	23,500	N/A	N/A