

High Altitude Conversion Kit HMG-30 Combination Water Heater



WARNING

Indicates the presence of a hazardous situation which, if ignored, will or can result in death, severe personal injury or substantial property damage.

NOTICE

Indicates special instructions, operation or maintenance which are important, but not related to personal injury hazards

WARNING

Installation and service must be performed by a qualified installer or agency

WARNING

Prior to servicing this appliance, the service technician should:

- Allow the appliance to sufficiently cool down.
- Shut off electrical power supplied to the appliance

Installing Preset Air Switch

1. Disconnect electrical power supplied to the Combination Water Heater
2. Close the manual shut off valve on the gas supply piping to the appliance.
3. Remove the 4 mounting screws on the windbox cover plate.
 - Set cover plate and mounting screws aside.

WARNING

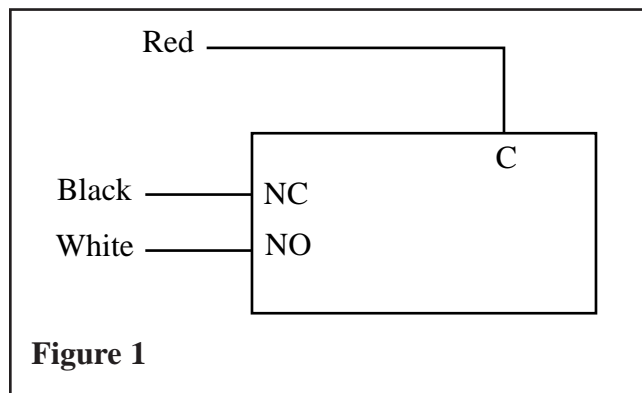
Ensure electrical power and the gas supply is discontinued to the Combination Water Heater prior to removing windbox cover plate.

4. Disconnect wire terminals from the air switch
 - Label wire terminals as it corresponds with the air switch connections
5. Remove the plastic tubing from the air switch ports by cutting the hose bands.
 - **DO NOT** cut the tubing.

NOTICE

Decreasing the tubing length may cause crimping of the tubing, resulting in improper operation of the unit.

6. Remove the factory installed air switch from the side of the windbox.
 - Refer to Fig. 2 for removal of mounting hardware
7. Mount the air switch supplied with kit to the side of the windbox.
 - Use existing air switch mounting hardware
8. Re-attach plastic tubing to the new air switch.
 - Refer to Fig. 2 for proper tubing connections.
 - Use hose bands (supplied with kit) to secure tubing to air switch.
9. Re-connect wire terminals to the new air switch.
 - Refer to Fig. 1 for proper connections.
10. Re-mount windbox cover plate using the existing 4 mounting screws.



High Altitude Kit Installation

Setting Manifold Gas Pressure

5,000 ft elevation - 2.8" w.c

7,000 ft elevation - 2.5" w.c



1. Connect a manometer to the outlet pressure tap of the gas valve.

WARNING

Ensure the gas control knob is in the PILOT position before removing the outlet pressure tap plug to connect the manometer.

or

Ensure the manual shut-off valve on the gas supply piping is closed before removing the outlet pressure tap plug to connect the manometer.

2. After connecting the manometer to the outlet pressure tap, re-establish electrical power supply and gas supply to the unit.
3. Refer to the HMG Installation & Maintenance manual, Combination Heater Start-up section for burner operation procedures.
4. Remove the pressure regulator adjustment cap screw.
5. Using a screwdriver, turn the inner adjustment screw clockwise  to increase or counter-clockwise  to decrease the manifold gas pressure.
6. With the main burner operating, set the manifold gas pressure as follows:

7. Replace the pressure regulator adjustment cap screw when the desired manifold pressure is set.
8. Disconnect the manometer from the outlet pressure tap on the gas valve.

WARNING

Ensure the gas control knob is in the PILOT position before removing the manometer and re-installing the pressure tap plug.

or

Ensure the manual shut-off valve on the gas supply piping is closed before removing the manometer and re-installing the pressure tap plug.

9. Refer to the G-Model Installation & Maintenance Manual, Combination Heater. Start-up section for Burner Operation Procedures.

WARNING

Ensure proper seal at the outlet pressure tap plug by performing a gas leak test using a rich soap and water solution.

