



GOLD CGa

Gas-Fired Water Boiler

High Altitude Conversion Kit Instructions

Hazard definitions

The following terms are used throughout these Instructions to bring attention to the presence of hazards of various risk levels or to important information concerning the life of the product.

DANGER

Indicates presence of hazards that will cause severe personal injury, death or substantial property damage.

WARNING

Indicates presence of hazards that can cause severe personal injury, death or substantial property damage.

CAUTION

Indicates presence of hazards that will or can cause minor personal injury or property damage.

NOTICE

Indicates special instructions on installation, operation or maintenance that are important but not related to personal injury or property damage.

Note to the installer

DANGER

Failure to follow the limitations listed below will cause severe personal injury, death or substantial property damage.

- Do not use this kit to convert a CGa boiler from natural gas to propane gas or from propane gas to natural gas.
- Use only the kit specified for the CGa boiler being converted.

WARNING

This conversion kit must only be installed by a Weil-McLain distributor or other qualified installer/service technician in accordance with these Instructions and all applicable codes and requirements of the authority having jurisdiction. Read these instructions completely before beginning the installation. If the information in these Instructions is not followed exactly, a fire, explosion, carbon monoxide emission or other hazardous conditions can result, causing severe personal injury, death or substantial property damage. The qualified installer/service technician performing this work assumes responsibility for this conversion.



Parts

Altitude (feet)	High Altitude Conversion Kit			
	Natural gas		Propane gas	
	Kit part number	Main burner orifices	Kit part number	Main burner orifices
4,500 to 6,999	381-354-535	(14) #49	381-354-537	(14) #56
7,000 to 10,000	381-354-539	(14) #51	381-354-541	(14) #57

Note: Each kit also includes (1) High Altitude Label and (1) Instruction Sheet

Conversion instructions

DANGER

Verify contents of kit are correct size, fuel type and elevation for your boiler. You must replace all burner orifices with the correctly-sized conversion kit orifices. Failure to install orifices that are correct size and fuel type will result in severe personal injury, death or substantial property damage.

1. Remove access panel.
2. On gas manifold, mark location of main burner with attached pilot assembly.
3. Remove main burner with attached pilot assembly from manifold. Remove all remaining burners.
4. Remove and discard all main burner orifices in gas manifold.
5. Apply a small amount of pipe dope to each of the new (conversion kit) orifices and install in the manifold. Make sure the orifices are aligned correctly, not cross-threaded in the manifold tappings.

WARNING

Use only pipe dope compatible with propane gas, even if boiler is to be operated on natural gas. Failure to

comply could result in severe personal injury, death or substantial property damage.

6. Reinstall main burner with attached pilot assembly at location marked on gas manifold. Reinstall all remaining burners.

DANGER

When replacing burners, they must be seated firmly in slots in rear support with opening in burners face up. Main burner orifice must inject down center of burner. Failure to properly seat burners will cause severe personal injury, death or substantial property damage.

7. Affix high altitude conversion label **above** boiler rating label (with the words "certified by").
8. Follow check-out procedure in the **Boiler Manual**.



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