



S0230K00000S

Mini Igniter Conversion Kit - Installation Instructions

Replaces 0230K00000S



WARNING

Fire or Explosion or Electrical Shock Hazard. Turn OFF gas supply to the furnace. Turn OFF all electric power before servicing or installing this kit. Have a qualified service technician replace the igniter. Failure to do so can result in severe injury, death or property damage.

Note: This kit contains a mini igniter for conversion from standard carbide igniters (B1401015S) used on previous Goodman® furnaces. The mini igniter conversion kit is NOT approved for GSU model furnaces at this time.

1. Turn "OFF" all electrical power to the furnace.
Verify power is off before servicing.
2. Close manual gas service valve to furnace.
3. Remove the top burner compartment door from the front of the furnace and disconnect the gas line to the inlet side of the gas valve.

Note: Pay attention to the gas valve that has 24 volt wires that pull off individually. It is important to put the wires back on the correct terminal of the gas valve. Some model furnaces use a plug-in style connector to the gas valve.
4. Disconnect the wire harness plug adapter from the igniter.
5. Igniters located at the bottom of the burner box require the removal of the four (4) screws holding the gas valve manifold assembly to the burner box. Remove the entire manifold assembly for installation of the igniter.

6. Locate the igniter in the lower right corner of the burner box . Remove the two (2) screws holding the igniter to the burner box and remove the igniter. See Figure 1. The picture shows the bottom view of the burner box rotated upward so you can see the components better.
7. Now take the screw supplied and pre-start the small hole in the new mounting plate. Install ONLY the flat mounting adapter plate supplied in the kit with the two screws used previously. Install the plate with the small hole on right hand side. The two holes in the mounting plate will line up with the two existing holes in the bottom right corner of the burner box.
8. Insert igniter carefully through the hole of the new mounting plate and secure with the screw supplied in this kit. Installing the mounting plate with the small hole for the igniter on the right side will make any future igniter replacement easier.
9. Use the harness adapter supplied in the kit, if needed, to connect the new mini igniter to the furnace harness.
10. Reinstall the manifold and gas valve assembly with the four (4) screws previously used.
11. On gas valves where the 24 volt wires pull off individually from the gas valve, make sure to reconnect the wires back to the appropriate terminals of the gas valve. On the furnaces that use a plug-in style connector to the gas valve reconnect the connector.
12. Reconnect the gas piping to the inlet side of the gas valve.
13. Turn manual gas service valve on and check for gas leaks at all connections. **CAUTION: DO NOT OPERATE FURNACE WITHOUT DOING A GAS LEAK TEST.**
14. Install the front service panel and secure with existing screws.
15. Turn on all electrical power to the furnace and test the system with the new igniter.

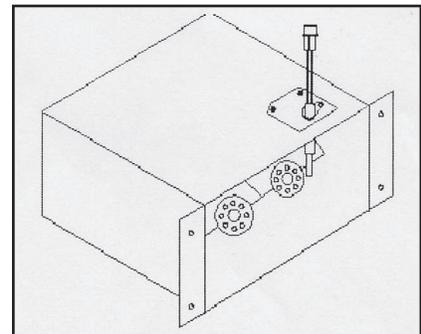


Fig. 1