



Toyostove Laser Heater Igniter Failure

WARNING

Rural Energy Enterprises, Inc. does not accept liability for the improper use of this information. Installation, service, and maintenance of heating equipment should be performed by a qualified technician. Improper installation, adjustment, alteration, service, or maintenance can cause property damage, personal injury, or loss of life.

What causes igniter failure?

- Water in the fuel.
- Carbon in the burner.
- Electric shock.
- Defective igniter.

How to prevent igniter failure.

- Use a WATER BLOCK FILTER.
- ALWAYS check for WATER when the heater stops and the RESET LAMP is lighted. Drain 1/3 cup of fuel from the drain screw on the fuel sump. (Right side of heater.)
- Occasionally check for CARBON inside the burner before inserting a new igniter.
- Use a SURGE PROTECTOR if you experience frequent and severe power problems.
- Be sure that your heater is burning with a BLUE FLAME. If you notice yellow flame in the burner you should contact your dealer. The unit may have an air problem, or the fuel pump controller may need adjustment.

When replacing an igniter:

- Check for CARBON. Especially in Laser 55 heaters.
- Use a medium gauge wire and flashlight to gently BREAK UP CARBON DEPOSITS that may meet the igniter. Be careful not to damage the burner mat or the fuel nozzle.

- If necessary, move or remove carbon. This MAY require that the burner assembly be taken apart and cleaned. A new burner mat and gaskets MAY be necessary as well.
- Be very sure that the igniter is ABOVE the burner mat when it is inserted into the burner.
- Check the gasket on your igniter. A new gasket is recommended whenever the igniter is removed but it may not be necessary.
- Be sure to check and clean FUEL out of the AIR CHAMBER that is below the burner!
- Stuck igniters can be loosened by removing the burner, turning it upside down, and then applying heat with a propane torch to the igniter mounting tube. Heat the area nearest the burner pot and gently try to twist the igniter with pliers while you are heating it.

VERY IMPORTANT!

If fuel runs out of the burner when you remove the old igniter, you MUST be sure there is NO FUEL in the air chamber under the burner. To check, remove the black rubber elbow hose inside the heater. Soak out any fuel that is found in this chamber!