

# Burner Trouble Shooting / NG & LP

<b>Problem:</b>	<b>Cause:</b>	<b>Solution:</b>
Pilot will not light & burner will not fire.	Burner switch is off.	Turn on burner switch.
	Trigger is not pulled.	Pull trigger. Burner should fire only when trigger is pulled.
	Gas valve is turned off.	Turn on the gas valve.
	No voltage to valve.	Check for 24 VAC between the pilot valve and main valve. Valve will operate between 20.5 and 28.5 VAC.
	Pilot orifice is clogged.	Remove, clean, and replace orifice.
	Faulty ignition module.	Check for 24 VAC incoming at 24-V & 24-V ground. If you get voltage to module, but not through it, replace module.
	Faulty transformer.	Check for 24-V output. Replace is no voltage output.
	Faulty flow switch.	Replace flow switch.
	Faulty thermostat.	Replace thermostat.
	Faulty rocker switch.	Replace rocker switch.
	Faulty igniter.	Test igniter. Test for continuity between ignition wire and ground.
Pilot lights, but burner will not fire.	Faulty main valve	Check for 24 VAC. If receiving proper VAC replace MV. If not receiving proper VAC replace transformer.
Burner fires but goes out.	No continuity between ignition cable and ground wire.	Check for continuity between ignition cable and ground wire. Assure good ground.
	Faulty ignition module.	Replace ignition module.
	Excess draft.	Protect from windy conditions.
Burner continues to fire when trigger on spray gun is released.	Faulty flow switch.	Replace flow switch.
	Main gas valve is stuck open.	Replace main gas valve.
NG or LP odor is present.	Gas leak ahead of valve.	Turn off gas. Call gas supplier.
	Lockout failure.	Replace module.

	Stuck valve.	Turn main gas valve off. Replace stuck valve.
Discharge water exceeds maximum operating temperature.	Faulty thermostat.	Replace thermostat.
	Water restriction.	Clean or replace spray nozzle. Descale and remove obstructions from coil.
	Incoming gas pressure is too high.	Lower gas pressure.
Discharge water does not reach maximum operating temperature.	Worn spray nozzle.	Replace spray nozzle.
	Gas pressure is too low.	Increase gas pressure or install additional jets.
	Draft under the burner manifold.	Prevent down draft with installation of down draft diverter. Prevent side draft with nonflammable barrier.
Valve does not work and has been submerged in water.	Flood or accidental spraying.	Replace valve. DO NOT ATTEMPT TO REPAIR OR CLEAN OUT.
Ignition module subjected to water or moisture.	Flood or accidental straying.	Replace module. DO NOT ATTEMPT TO REPAIR OR CLEAN OUT.



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