

Troubleshooting

SYMPTOM	POSSIBLE CAUSES	CORRECTIVE ACTION
PRESSURE WASHER WILL NOT RUN	Pump switch in OFF position	Place switch in ON position.
	Power supply disconnected	Connect power supply.
	Fuse blown or circuit breaker tripped in electrical supply line	Replace fuse or reset circuit breaker. Use only circuits of adequate capacity.
	Motor circuit overload tripped	Allow sufficient time for motor to cool down. Place pump switch in ON position.
PRESSURE WASHER RUNS BUT WON'T SPRAY	Trigger of trigger gun released	Squeeze trigger.
	Water supply not turned on	Open water supply valve.
	Clogged pressure nozzle	Clean pressure nozzle opening.
	Inlet water screen clogged	Check screen and clean if necessary.
	Pump sucking air	Fill the detergent container and check for loose hose clamps or fittings.
LOW SPRAY PRESSURE AT NOZZLE	Inadequate water supply	Fully open faucet. Check for kinked or damaged hose. Use 5/8" minimum hose. Check for debris clogging inlet screen.
	Partially clogged or damaged pressure nozzle	Clean or replace.
	Air being drawn through detergent inlet line	Refill detergent container. Ensure that pick-up screen is fully immersed.
UNEVEN SPRAY PATTERN	Partially clogged or damaged pressure nozzle	Clean or replace.
PRESSURE WASHER WILL NOT PRODUCE HOT WATER	Burner switch in OFF position	Place switch in ON position.
	Gas valve switch in OFF position	Place switch in ON position.
	Inadequate fuel supply	Check fuel supply.
	Pump switch turned off	Pump must be running before burner will light.

SYMPTOM	POSSIBLE CAUSES	CORRECTIVE ACTION
PRESSURE WASHER WILL NOT PRODUCE HOT WATER (CONTINUED)	Inadequate water supply	Fully open faucet. Check for kinked or damaged hose. Use 5/8" minimum hose. Check for debris clogging inlet screen.
	Trigger of trigger gun released	Squeeze trigger. Water must be spraying for burner to light.
	Thermostat set too low, or defective	Raise thermostat setting. Replace if defective.
	Manual gas valve not open	Turn ON gas valve.
	Defective gas valve	Replace gas valve.
POOR OR NO DETERGENT FLOW	Inadequate detergent supply	Refill detergent container. Ensure that pick-up screen is fully immersed.
	Detergent screen or hose clogged	Clean. Always start with a clean detergent container.
	Clogged detergent injector check valve	Clean check valve at detergent injector.
POOR CLEANING	Improper detergent concentration or mixing	Mix detergent per manufacturer's instructions. Ensure that powdered detergents are fully dissolved.
	Wrong detergent for the application	Select appropriate detergent.
	Rinsing with hot water	A final rinse with cold water will reduce water spotting.
	Detergent valve not opening	Check that handle or knob is not slipping on shaft.
UNLOADER CYCLES WHEN TRIGGER GUN IS OPENED OR CLOSED	Air in system	Open and close trigger gun several times.
	Unloader defective	Replace if defective.
	Water leak between unloader valve and trigger gun	Check fittings, hose and trigger gun for leaks. Repair or replace.
BURNER SMOKES OR HAS OBNOXIOUS ODOR	Stack restriction	See Venting under Installation.
PRESSURE RELIEF VALVE LEAKING	Excessive pressure due to defective unloader valve	Replace unloader valve.
	Defective relief valve	Replace relief valve.
	Dirty relief valve	Clean relief valve seat

Burner Troubleshooting

PROBLEM	POSSIBLE CAUSE	SOLUTION
<p>HAVE PILOT FLAME, MAIN BURNER WILL NOT TURN ON</p>	<p>Faulty main valve coil in the gas valve</p>	<p>Set test meter to 24 volt scale.</p>
	<p>Faulty ignitor/sensor and/or its wiring</p>	<p>With pilot flame on ignitor/sensor, probe terminals MV and MV/PV on the ignition control unit. If you read 24 volts here, but not at the gas valve, there is a loose wiring connection. Repair or replace as needed.</p>
	<p>Ground wire not attached to machine chassis</p>	<p>If you do read 24 volts at MV and MV/PV and the pilot flame is impinging on the ignitor/sensor rod, the problems may be:</p>
	<p>Faulty ignition control unit</p>	<p>a. Faulty ignitor/sensor and/or its wiring.</p>
		<p>b. Faulty ignition control unit.</p>
		<p>Set test meter to the ohm scale. Turn burner switch off.</p>
		<p>Check continuity through the green ground wire and its connections.</p>
<p>Reconnect the ignitor/sensor wire and the ground wire.</p>		
<p>Turn burner switch on. With the pilot burning and the flame on the ignitor/sensor rod, the main burner should turn on. If it does not, replace the ignition control unit.</p>		
<p>SHORT-CYCLING OF MAIN BURNER. MAIN BURNER TURNS OFF BEFORE THE BURNER SWITCH OR FLOW SWITCH IS TURNED OFF</p>	<p>Draft condition pulls flame from ignitor/sensor rod.</p>	<p>Check the thermostat by bypassing at terminals P1 & 1.</p>
		<p>Set thermostat high. With main burner on, observe the pilot flame impingement on the ignitor/sensor.</p>
	<p>Faulty thermostat or water temperature is too high</p>	<p>If pilot flame is small and draft condition pulls flame from ignitor sensor rod, the burner will turn off and then on again. a. Adjust pilot flame higher or clean pilot oriface. b. Bend ignitor/sensor rod closer to pilot flame.</p>
		<p>If flame impingement on the ignitor/sensor is stable and the system short-cycles, check the limit switch.</p>
		<p>Set test meter to 110 volt scale; a. When the system cycles off, probe the switch terminals of the limit switch. b. If you read 24V accross the switch terminals the limit switch is open. Replace the limit switch.</p>
<p>A pilot flame set too high will also cause burner to short cycle. Pilot flame lifts over ignitor/sensor.</p>		

IMPORTANT

If the pressure washer demonstrates other symptoms or the corrective actions listed do not correct the problem, contact the local authorized Hotsy Service Center. The Hotsy Service Center can be identified by visiting www.hotsy.com.

When ordering from your dealer, please provide the following:

Model Number: _____ **Release:** _____

Machine Serial Number: _____

Component Part Number: _____

Description: _____

GAS-FIRED SERIES OPTIONAL EQUIPMENT

835526 Draft Diverter, 8"