



## Janitrol/Janaero Troubleshooter: Model S100

SYMPTOM	POSSIBLE CAUSE	CHECK
Heater does not light	Ignition system failure: <ol style="list-style-type: none"> <li>1. No power to ignition unit.</li> <li>2. Inoperative vibrator in ignition unit.</li> <li>3. Faulty spark plug.</li> <li>4. Faulty shielded lead.</li> <li>5. Worn ground electrode.</li> <li>6. Ignition unit inoperative.</li> </ol> Insufficient fuel: <ol style="list-style-type: none"> <li>1. Fuel solenoid valve not energized.</li> <li>2. Fuel supply pressure may be low.</li> <li>3. Fuel filter clogged.</li> <li>4. Spray nozzle clogged</li> <li>5. Fuel pressure regulator faulty.</li> <li>6. Fuel solenoid inoperative.</li> </ol> Insufficient combustion air: <ol style="list-style-type: none"> <li>1. Leaks or obstruction in combustion air supply line.</li> </ol>	Close switches, replace burned out fuses, repair open circuits. Replace vibrator.  Replace spark plug. Replace shielded lead. Replace electrode. Overhaul or replace ignition unit.  Close switches, replace burned out fuses, or repair open circuits. Increase fuel pressure to value required.  Replace filter element or clean if new one is not available. Clean spray nozzle. Overhaul the regulator.  Replace solenoid valve.  Repair leaks or remove obstructions.
Heater is cycled off and on by limit switch	Limit switch out of calibration or faulty.  Cycling switch (if used) out of calibration or inoperative.  Ventilating air stream may be obstructed.	Calibrate or replace switch.  Calibrate or replace switch.  Remove obstructions.
Backfiring, pulsating combustion or smoky exhaust.	Fouled spark plug.  Excessive fuel flow into heater: <ol style="list-style-type: none"> <li>1. Spray nozzle dirty or loose.</li> <li>2. Spray nozzle is oversize.</li> <li>3. Fuel pressure regulator may be faulty.</li> </ol> Restriction in exhaust line.  Insufficient combustion air.	Clean or replace spark plug.  Overhaul nozzle. Check markings on nozzle. Refer to general specifications for correct size. If nozzle is oversize, replace with proper size nozzle. Overhaul regulator.  Remove restriction.  Correct as instructed above.