



Troubleshooting

Symptom	Probable cause	Solution
Air not passing through booster	Outlet valve is closed or cannot be opened because seats are crushed and/or valve handles are stripped.	Turn handle in proper direction and do not close outlet valve with excessive force. Replace valve if damaged.
Booster cycles on/off rapidly	Outlet valve (or downstream shutoff valve) not opened sufficiently to allow adequate airflow.	Open outlet valve (or downstream shutoff valve) with at least 1½ turns.
Booster cycles on/off intermittently	Back leakage through check valves or leak in outlet air system.	Replace cylinder heads (old style), replace check valves (new style) or check upstream air system for leaks.
Booster will not start (A2 Model)	If unit is switched between pressure settings without bleeding discharge pressure, air can become trapped in the pressure switch housing and prevent the unit from starting.	Bleed the outlet air pressure lines prior to selecting a new output pressure setting.
Booster will not start (00 Model)	Outlet pressure has not been reduced a sufficient amount to overcome the “dead band” of the pressure switch. This prevents the switch from resetting.	Bleed outlet pressure lines until pressure switch resets.
Inlet air lines hot	Leaking check valves.	Replace cylinder heads (old style) or replace check valves (new style).
Inlet pressure drops during operation	Inline air filters installed with flow arrows pointing in direction of airflow or filters are clogged.	Reverse direction of installed filters or replace clogged filter elements.
Noise – chattering (particularly above 3000 psi)	Sheaves loose.	Tighten sets screws or bushings and/or replace sheaves.
Noise – hissing around compressor unit with motor off and booster pressurized	Failed piston seals.	Replace piston seals.

Noise – hissing within booster compartment with motor off and booster pressurized.	Leaking compression fittings.	***WARNING*** Always bleed system pressure before making adjustments. Tighten fittings and connections.
Outlet air pressure does not increase	Leaking check valves.	Replace cylinder heads (old style) or replace check valves (new style).
Pressure regulator (upstream) vents	Leaking check valves.	Replace cylinder heads (old style) or replace check valves (new style).
Relief valves fail to close	Dirt in relief valves.	Clean or replace relief valves.
Relief valves “pop” open	Upstream cascade system (booster inlet pressure) exceeds the required downstream fill pressure (booster outlet pressure).	Install a pressure regulator between supply pressure system and the booster inlet.

