



Service Bulletin

SB0045 Rev. A

June 2003

Description: M-Series Air Compressor Setting Adjustment

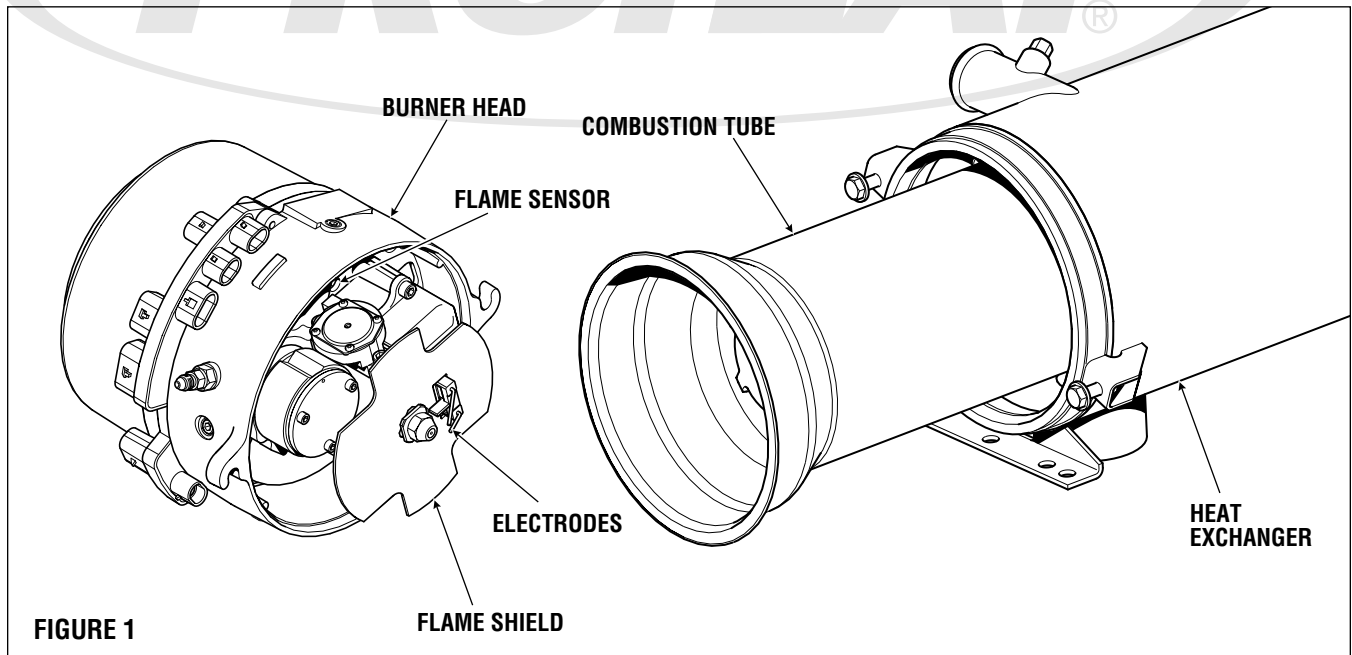
Purpose: Air compressor service recommendation.

Symptoms: The following symptoms may indicate an air compressor service requirement:

- Start Diagnostic Code (1) or Flameout Diagnostic Code (2) flashing on indicator light.
- Strong exhaust odor and/or smoke while operating.
- Frequent heater servicing due to carbon build-up on flame sensor, ignitor and flame shield.

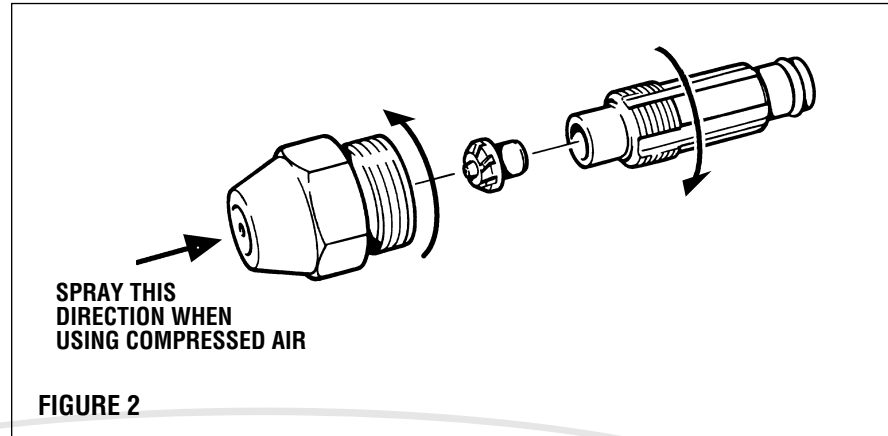
- Instructions:**
1. Disconnect all external harnesses at the PCM.
 2. Disconnect fuel supply line.
 3. Remove Burner Head Assembly.
 4. Inspect and clean any carbon build-up on the flame shield, flame sensor, electrodes, combustion chamber and combustion tube. (See Figure 1)

Warning: Do not use cleaning agents that are flammable.

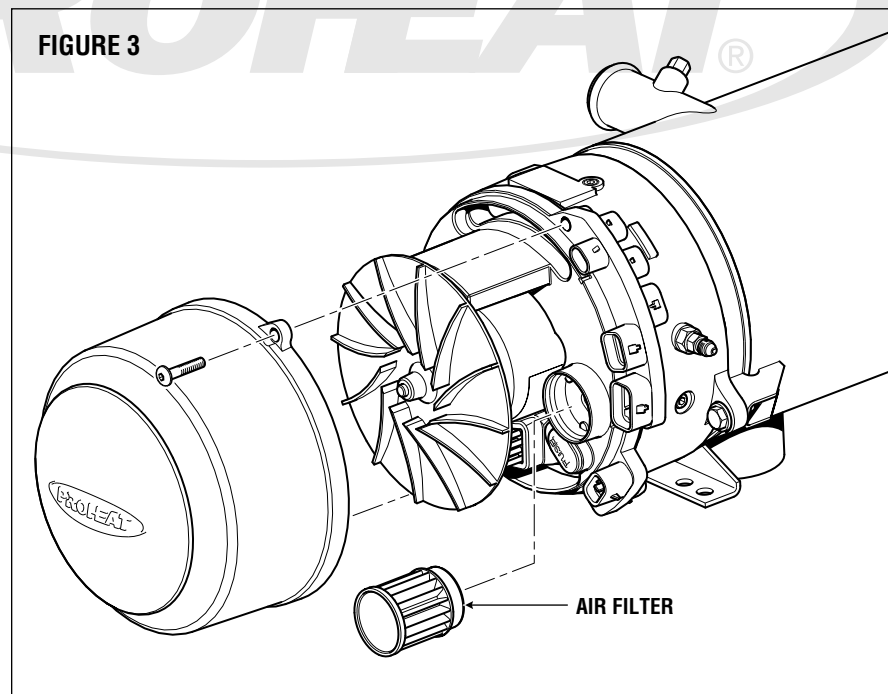


5. To properly clean the nozzle, use a degreaser/cleaner or carburetor cleaner in a spray can. This will wash any dirt out and leave no residue. When using compressed air, blow into the nozzle orifice from the head end. (See Figure 2)

Note: Do no use a welding torch tip cleaner.



6. Check air compressor filter and replace if necessary. (See Figure 3)



7. Remove Ignition Module Electrodes and Flame Shield. (See Figure 4)
8. Disconnect Fuel Shut-Off Valve and Ignition Module connectors at the PCM. (See Figure 4)

Note: Disconnecting these components will cause the heater to go directly into purge when started and prevent combustion.

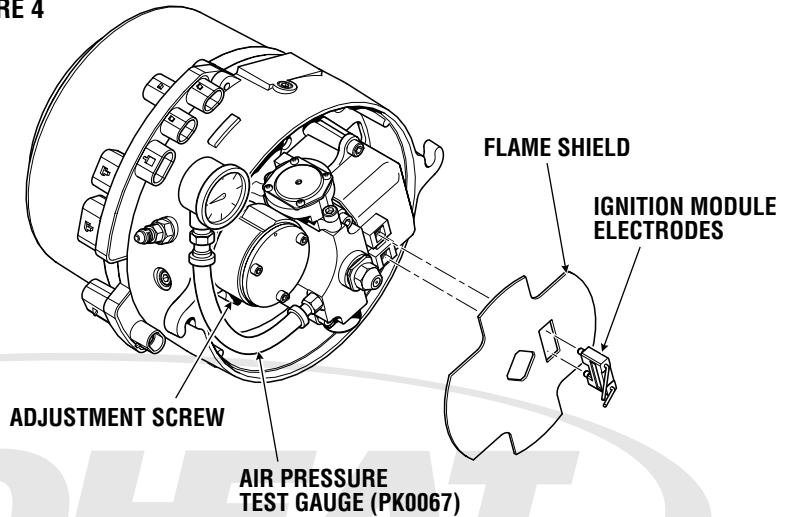
- 9. Remove Air Compressor Port Plug from Fuel Block. (See Figure 4).
- 10. Install air pressure test gauge (PK0067). (See Figure 4)

Warning: Flammable. Point nozzle away from face, open sparks and flames.

- 11. Adjust pressure as required by turning the pressure adjustment screw. (See Figure 4 and accompanying table)

Note: If compressor pressure will not adjust, then refer to page 3-12 of the M-Series Service Manual for further instructions.

FIGURE 4



MODEL	AIR PRESSURE BAR (PSI)	NOZZLE
M50	0.42 ± 0.01 bar (6.2 ± 0.2 PSI)	30609-50
M80	0.22 ± 0.01 bar (3.2 ± 0.2 PSI)	30609-9
M105	0.26 ± 0.01 bar (3.8 ± 0.2 PSI)	30609-11

- 12. Remove air compressor test gauge and reinstall the Air Compressor Port Plug on the Fuel Block.
- 13. Reconnect Fuel Shut-Off Valve and Ignition Module connectors.
- 14. Reinstall Ignition Module Electrodes and Flame Shield.
- 15. Reinstall Burner Head Assembly, start heater and test run for at least one heating cycle to ensure proper operation.