



MASTERLINE, INC.

Quality Air and Gas Boosters

MAINTENANCE PROCEDURES

BEFORE PERFORMING ANY MAINTENANCE, FOLLOW PROPER SAFETY PRECAUTIONS:

**ALWAYS WEAR EYE PROTECTION
DISCONNECT ALL ELECTRICAL CONNECTIONS
BLEED SYSTEM PRESSURE**

The booster is designed to be virtually maintenance free. Only normal mechanical system checks are necessary. A six month maintenance cycle is recommended. However, actual maintenance cycle requirements will vary based upon total operating time and environment.

1. Remove the cover.
2. Remove dust and debris from inside of booster housing. This includes the base, pump, tubing, after-cooler, motor, etc.
3. Check fan belt. Inspect belt for cracks, uneven wear, and side glazing. Replace belt when any of these symptoms of belt failure are present. If the belt exhibits signs of uneven wear, check pulley alignment. If the belt exhibits side wall glazing or “squeals” on start-up, add tension to belt.
4. Re-torque head bolts to **175 inch pounds** in an alternating crossing pattern.
5. Check fitting connections
 - a) Reconnect inlet line to booster from a high pressure cylinder
 - b) Pressurize booster with a minimum of 2,000 psi
 - c) “Bubble test” all fittings with an approved oxygen leak check solution
 - d) Check fittings for bubbles. If bubbles are evident, relieve pressure, tighten fitting(s), re-pressurize and check for bubbles. Repeat as necessary.
6. Listen for a “hissing” sound within booster compartment. If a hissing sound can be heard, this indicates failed piston seals. The booster piston seals need to be replaced at this time. See piston seal replacement guide.
7. Replace cover.
8. Wipe cover and front panel clean.
9. Reconnect all lines and electrical.