



PowerMax Booster Heater Annual Maintenance

1. Check hot surface igniter. Replace if 18 months old (to avoid down time) or broken. **USE ONLY OEM SUPPLIED IGNITERS TO AVOID PROBLEMS AND EXPENSIVE DAMAGE TO BOOSTER HEATER.**
2. Check pump for shaft/bearing wear, water leakage, over heating.
3. Check blower motor for excessive heat &/or bearing noise/wear. Check interior of blower and gas/air pipe for dust/dirt/grease build up by loosening 2" union and removing gas/air supply pipe. If necessary, remove blower, split case and clean with warm water/detergent spray mix and toothbrush, blow dry w/ compressed air. Protect motor while cleaning. Re-install blower, being careful to install and adjust air shutter correctly.
4. Check burner condition through sight glass and/or pilot plate hole. When operating, burner flame should look like deep blue/purple velvet with little movement and be flat on burner; no floating or flutter. Adjust air shutter for flame condition first, then raise or lower gas pressure for flame color. Manifold operating gas pressure should be between 2.75" WC and 3.50" WC MAX, depending upon burner and fan condition. To prevent burner damage operating gas pressure should not exceed 3.5" WC. Look for damage to burner (deposits, holes, gas flares, ripped seam, etc). Remove burner for closer inspection if anything looks unusual. Call Factory with any questions.
5. Check exhaust flue for damage, leaks, loose connections or mounting failure. Determine cause of damage/failure and correct.
6. Check condition of air filter; clean or replace if necessary.
7. Vacuum any collected dust, lint, etc from inside of cabinet.
8. Check and correct any gas or water leaks.
9. Remove & check flame sensor for corrosion, pitting, damage. Replace if necessary. If ok, clean flame sensor with emery cloth and re-install.
10. Check temperature settings.
11. Verify that unit is operating at different stages and fire rates; high fire, low fire; fan is 2 speed and gas control has high/low operation to correspond to fan speed.
12. Check all nuts/bolts/screws for tightness. Tighten any that are loose.
13. Check dishwasher rinse pressure. Should be 18-20 psi when rinse valve is open. Correct if necessary. Be certain that fill valve &/or float operate correctly.
14. Check dishwasher wash tank and power rinse tank temperatures if dishwasher has hot water coil tank heat. If set too high (over 155-160°F for wash, 165°F for power rinse) set to correct temp.
15. **CALL FACTORY** with any **QUESTIONS**- 1-800-624-4809 PST.