

# Servicing Gas Furnace

Name \_\_\_\_\_ date \_\_\_\_\_

Make \_\_\_\_\_

Mod \_\_\_\_\_ Serial \_\_\_\_\_

1. Check tstat for level and tight against wall, set above room temp
2. Check filter
3. Flame safety control
  - a. Pilot, check flame, clean <http://youtu.be/SzbhJw3CCOM>
  - b. Check pilot dropout
  - c. Check for pilot valve leakage after dropout
  - d. HSI, check for hot spots
  - e. Check HSI ohms. Above 150 ohms recommend replace
  - f. Check flame rod microamps
  - g. Remove and clean flame rod, recheck microamps
  - h. Shut off gas, check flame safety dropouts
4. Burners, clean
5. Check heat exchanger for cracks
6. Fire off main burners, adjust, check for flame change when circ fan starts
7. Check draft hood with match for proper draft
8. Check amp draw of circ fan motor, check cap
9. Check motor and fan bearing condition
10. Check belt
11. Check/clean circ fan blower wheel and motor (if 90% furnace, check secondary heat exchanger for dirt)
12. Oil circ fan motor and blower
13. Clean return plenum
14. Check amp draw of inducer, oil bearings
15. If 2 stage, fire off 2d stage, check amp draw of inducer
16. Check delta T
17. Check limit by stopping circ fan
18. Check operation of press switch, centrifugal switch, etc
19. If condensing furnace, clean condensate drain
20. Check metal vent for rust
21. Check for gas leaks
22. Make sure furnace is running when leaving mechanical room