

## Annual Overhaul aka (Cleaning or Tune-up) – By John Gates

The first thing one should do on any call is talk to the customer (if present) and address any concerns they might have. The second is to observe the operation of the unit on a simulated call for heat (if there is anything wrong with the unit find out before you own it). Use your ears, eyes and nose for this.

The following items should be inspected and cleaned or replaced as required.

Oil Filter	Flue Passages
Oil Line & Fittings	Flue Pipe
Pump Screen	Chimney Base
Oil Nozzle	Draft Regulator
Electrodes	Oil All Motors and Bearings
Gun Assembly	Expansion Tank
Retention Head & Burner Tube	Air Filters, Humidifiers etc.
Chamber or Combustion Area	

Once everything has been serviced one should check the operation of the unit which should include the following. (C.Y.A. record the numbers)

Safety Timing	CO Test (I believe that this test is becoming more and more important esp. with units without Combustion Chambers)
Pump Pressure	
Smoke Test	Stack Temp
CO2 or O2 Test	Steady State Efficiency
Draft Test (over-fire & breach)	

When done ensure that the area is at least as clean as it was before you arrived.