



SERVICE BULLETIN

0005

Service bulletins are issued by *Maine Energy Systems* at irregular intervals to alert Installers of common issues of installations and are also used to pass information of interest concerning parts replacement that may be considered unusual or unscheduled for boilers already in service.

Subject: Secondary combustion tube or Flame tube

Models: All AutoPellet boilers

Problem: Secondary combustion tube or Flame tube, as it is called, is found to be cracked or warped at time of cleaning or inspection.

Solution:

- 1: Be sure that the boiler is installed and set up with a functioning combustion temperature sensor. P270 must be set at "1". If you find a boiler that is not equipped with a functioning combustion temperature sensor, please advise us and one will be supplied at no cost.
- 2: Replace Flame tube if crack is substantially open ($>1/8$ to $1/4$ inch wide) or longer than approximately 4 inches between the inside diameter and outside diameter of the Flame tube, or if the warpage is substantial enough to change the circular shape of the Flame tube by more than approximately 2 or 3 inches.
- 3: Replace the Flame tube if the crack is allowing any air to escape from the pressurized "belt" around the middle of the Flame tube.

CAUTION!!!

NOTE: These Flame tubes have been seen to develop a crack of 2 to 3 inches in length and for this crack to remain the same size for one to two years of operation after discovery. Most of the boilers where this has been discovered were running without the Combustion sensor, or were installed and run for some amount of time without the Combustion sensor.