



PeerlessBoilers.com

Technical Service Bulletin

Peerless® PureFire® PF-210 & PF-399

Flue Sensor Grommet

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Date: March 13, 2012

Bulletin: TSB-12-1

Subject: Peerless® PureFire® PF-210 & PF-399 Flue Sensor Grommet

Effected Models: PureFire® Boilers . Models PF-210 (S/N prior to 5079878) & PF-399 (S/N prior to 5080465), manufactured before March 18, 2011.

Issue: In certain circumstances, PB Heat, LLC has found deterioration of the grommet which holds the flue temperature sensor into the exhaust outlet adapter of the heat exchanger.

This degradation can cause the flue sensor to be dislodged from the flue pipe and may allow flue products to recirculate through the swirl plate and combustion air fan in the boiler.

In addition, this condition can allow acidic condensate to drip onto internal components of the boiler. The most likely result of dripping condensate may be A33 Fan Speed Errors and eventual component failure of the combustion air blower.



Action: Grommets on boilers manufactured before should be checked to see if they have been updated. Routine inspection of PF-210 and PF-399 boilers should include inspection of the flue sensor grommet.

The new grommets will either have a yellow/green paint indicator or a tapered perimeter design as shown below.



Grommets found that do not have a paint mark or tapered head should be replaced with new grommets whether or not they show signs of deterioration.

Inspect: The following items should also be examined when inspecting these units:

- Be sure that the stainless steel adapter is fully seated in the heat exchanger outlet.
- Be sure that the CPVC stub pipe (supplied with the boiler) is fully inserted past the gasket seal in the adapter.
- Be sure that the clamp is correctly positioned in the slots on the adapter and that it is not over tightened.
- Be sure that the CPVC stub pipe is properly glued to the first elbow or coupling which attaches the exhaust to the venting system.

Any signs of moisture should be investigated and reported to your PB Heat representative for further investigation. Dripping moisture can cause failures of the combustion air fan and/or A33 Fan Speed lock out errors.