

DOZUKI

Annual Boiler Maintenance

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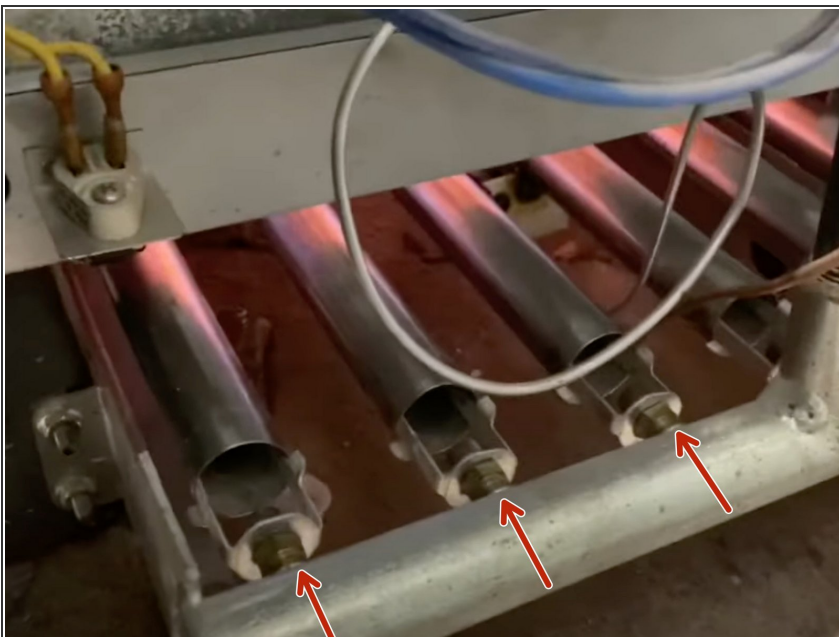


Step 1 — Run Combustion Analyzation Test



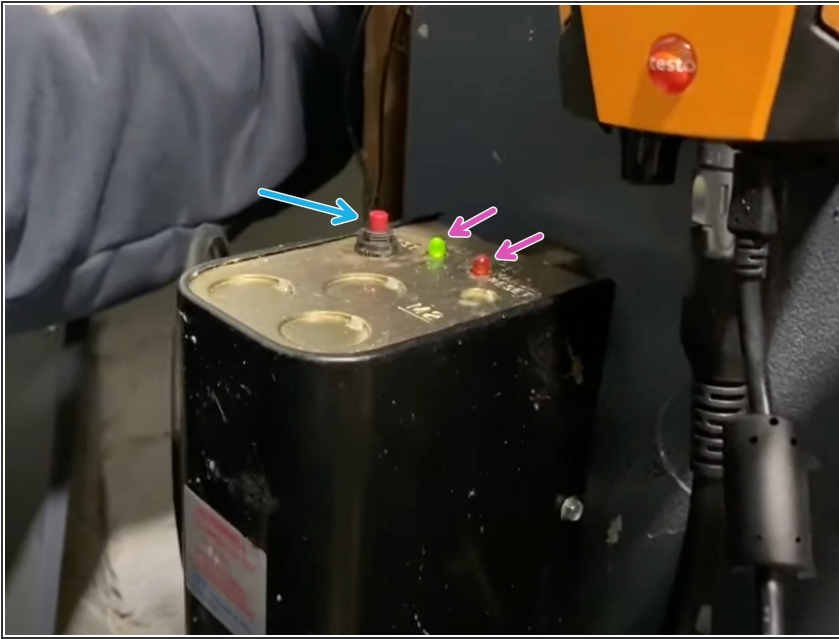
- Using your Testo analyzer, run a combustion analyzation test.
- Stack temperature should be between 350 to 450 degrees fahrenheit.
- O2 Percentage should be between 3-10% depending on the type of boiler.
- Carbon monoxide parts per million (ppm) should be between .1 to 10 ppm.
- Gross Efficiency should be between 85-95%.

Step 2 — Remove Burner Tubes



- Remove each burner tube and inspect for damage and wear and tear.
- ✦ Burner tubes rarely need to be replaced but they should be removed for inspection every time maintenance is performed.

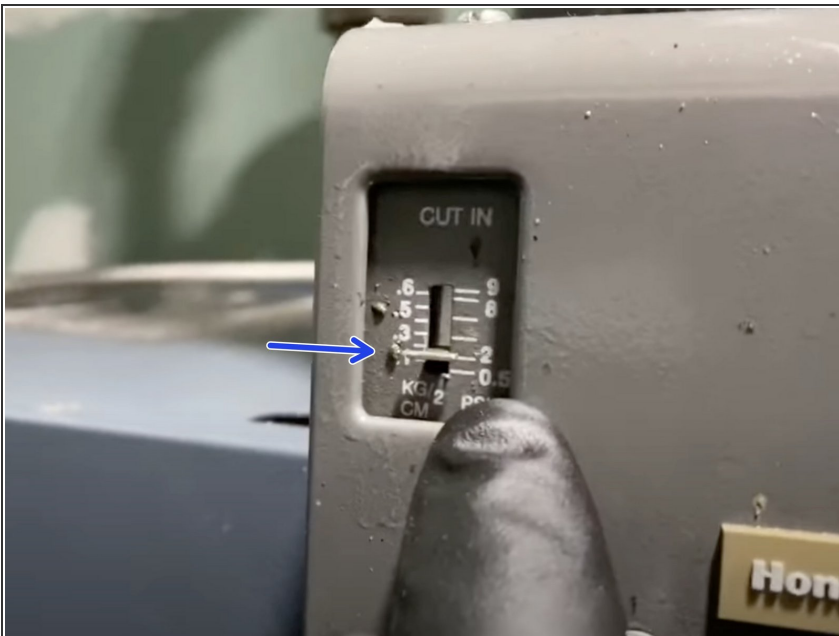
Step 3 — Verify Low Water Cutoff is Working



⚠ For Steam Boilers Only

- Verify the low water cutoff is functioning properly. If the green and red indicator lights are flashing that indicates the low water cutoff has an error.
- Press the red reset button to reset the low water cutoff. That should resolve any errors.

Step 4 — Check the Pressure Controller



- The pressure controller should be set to 1.0 PSI for low-pressure boilers.

Any errors or ideas for improvement should be submitted via comments.