

# 198 East 7<sup>th</sup> St Boiler Instructions

Updated Jan 19<sup>th</sup>, 2014

# **Contents:**

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- 2. Regular maintenance**
- 3. If no heat**

**If emergency/fire:**

Turn off cut-off switch outside fire door.





# Regular maintenance:

Flush water level control monthly, by opening yellow valve so that excess water flows into bucket (empty bucket into drain by furnace).

**IMPORTANT**  **IMPORTANT**

Be sure to flush your water level control weekly during heating season. Failure to follow this procedure can result in the control to malfunction resulting in serious boiler damage.



**GIVE TO BOILER OWNER**

**BOILER CARD**

The McDonnell & Miller Boiler Water Control installed on your boiler requires periodic maintenance. As boiler water circulates into the float chamber, sand, scale and other sediment may be deposited in the float chamber. While the chamber has been designed with a large accumulation bowl, it is necessary to flush the sediment from the chamber by blowing down the control so that the accumulation of sediment does not interfere with the movement of the float in the control. Control must be flushed at least once a week during the heating season.

**CAUTION: PROTECT YOURSELF WHEN FLUSHING CONTROL. HOT WATER AND STEAM WILL FLOW OUT OF THE DRAIN PIPE.**


When flushing control, note water level in gauge glass, add water, if necessary, and allow it to come up to temperature. While burner is on, open blow-down valve at bottom of control by rotating the handle counter clockwise about 1/4 turn to fully open the valve. Opening the blow-down valve also checks the cut-off operation (if control is equipped with a cut-off switch). Float should drop shutting burner off, hot water and steam will flow out the drain pipe flushing away sediment.

**SPECIAL FOR NEW BOILER**  
Installation of heavy accuracy from old pipe important to Miller control (see First Walk - 2 or 3 Three - at least

**IMMEDIATELY**  
Continue flushing until water is clean. Recheck gauge restored to the

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**HANG THIS CARD AS CLOSE AS POSSIBLE TO THE CONTROL. BACKING AND AFFIX CARD TO BOILER JACKET CLOSE TO CONTROL.**



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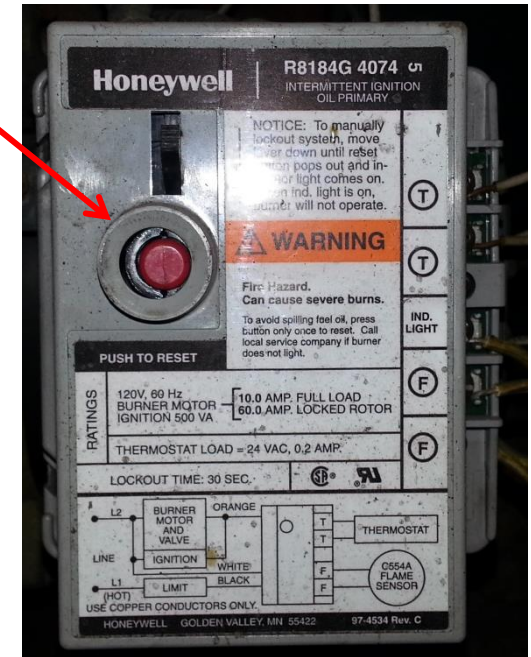




# If no heat:

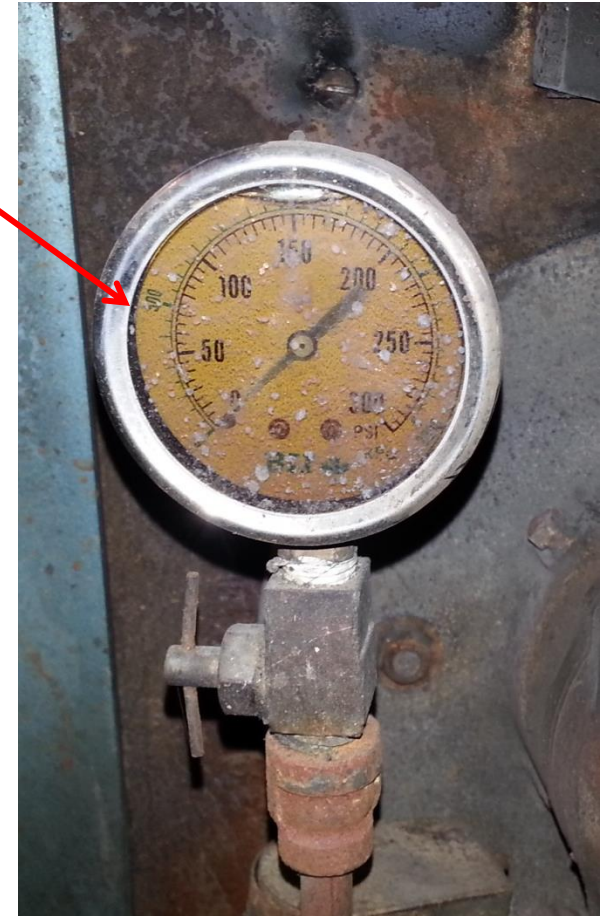
*Only attempt if you are comfortable, otherwise find another resident to help, or call SJ Fuel at 718-855-6060.*

1) Push red ignition reset button.



**If no heat:**

**2) Watch for oil pressure to rise to ~125 PSI.**





**If no heat:**

3) Listen for ignition and open observation window to see combustion inside furnace.



## If no heat:

4) If oil pressure rises, but no ignition sound or combustion, issue is likely a like the transformer or a clogged nozzle - call SJ Fuel 718-855-6060.

5) If oil pressure does not rise, no ignition sound or combustion, try cleaning filter as follows:

- Get rubber gloves, adjustable / wrench set, cleaning rags / brush.
- Turn off electric switch located towards top of furnace.





# If no heat:

Cleaning filter cont...:

- Turn off oil feed tap (at ground level).



# If no heat:

Cleaning filter cont...:

- Undo retaining bolt on top of filter housing.
- Remove filter housing downwards.



# If no heat:

## Cleaning filter cont...:

- Remove filter from housing and inspect.
- If clogged, clean by rinsing, wiping, scrubbing majority of oil residue from filter, then replace filter, turn oil feed back on, turn furnace electric back on, try re-igniting and if no luck call SJ Fuel 718-855-6060.
- (If not clogged, perhaps not a filter blockage - replace filter, turn oil feed back on, turn furnace electric back on, try re-igniting and if no luck call SJ Fuel 718-855-6060.)