

Technical service bulletin Pressure Sensor Maintenance

Buderus

Problem Statement

- Pressure sensor (Part No. 7101436) is giving erratic pressure readings or is reading P00.

Problem Cause

- Debris build up from system water may have clogged/ blocked opening of sensor.

Corrective Action

- Blockage must be cleared for sensor to operate properly.

Work Instruction

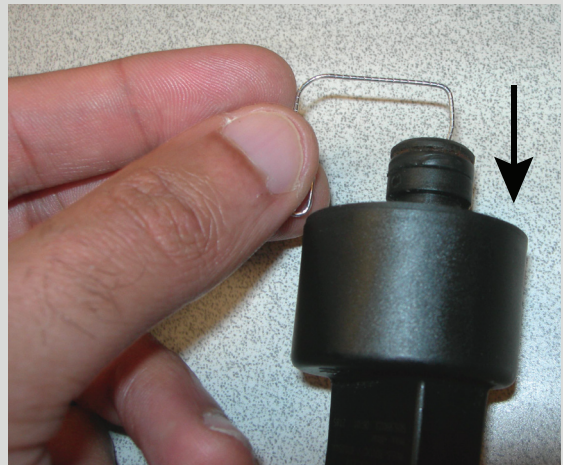
1. Shut off boiler switch.
2. Close supply and return valves on the boiler manifold.
3. Open the drain valve on the manifold and relieve all pressure on the boiler.
4. Remove Pressure Sensor.
 - a. Behind the sensor is a brass clip, hold sensor and pull the clip then remove the sensor. (Figure 1)

Figure 1



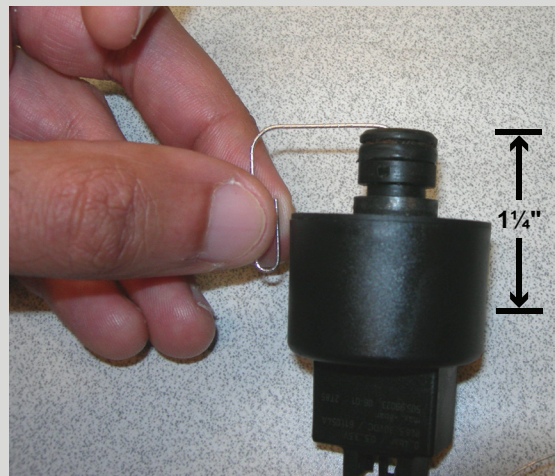
5. Use a sewing needle or paper clip to clear the small hole on the wet side of the sensor. (Figure 2)

Figure 2



- a. To ensure the debris is cleared, the needle should go in 1¼" from the outer edge of the wet side connection. If not, the hole is still plugged. (Figure 3)

Figure 3



6. Lubricate the o-ring and then re-install the sensor.
7. Re-insert the brass clip to secure the sensor in place.

8. Close the drain valve on the manifold.
9. Open the supply and return valves on the manifold.
10. Open the air bleeder in the top left corner to purge all air out of the boiler.
11. Restart the boiler and verify sensor operation. Pressure should not bounce around after air is eliminated. Make sure your pressure is at least 15 psi. Fill valve and expansion tank should be set to the same pressure.

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