

# Product Quality Notice

# Buderus

Notice number: PQN-2

Affected product: GB142 Gas Condensing Boiler

Subject: Quality Improvements on Spare Parts

## Introduction

This notice outlines recent quality improvements to spare parts on the GB142 Gas Condensing Boiler.

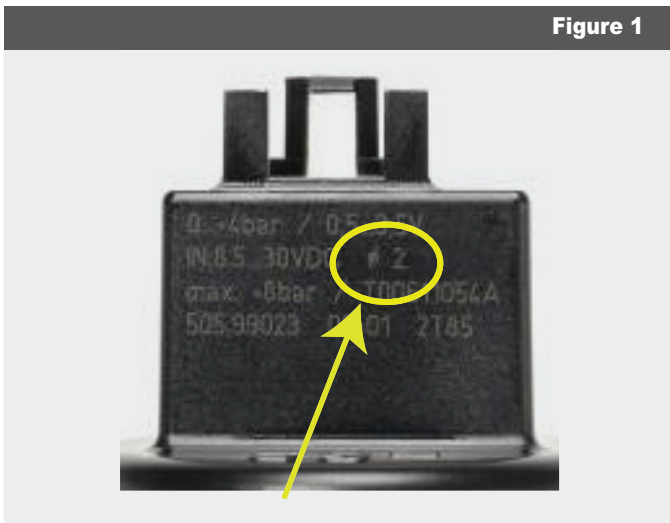
## Pressure Sensor

Old Part Number: 7101436

New Part Number: 8718600019

- **Problem description:**  
Due to dirt accumulating in the measuring hole of pressure sensor, the failures "2L-266/328" and "CO -288" can occur on the display.
- **Product Improvement:**  
Diameter of measuring hole increased from 0.9mm to 2.0mm. The new pressure sensor can be recognized by the  $\varnothing 2$  sign on the spare part (see Fig. 1).

Figure 1



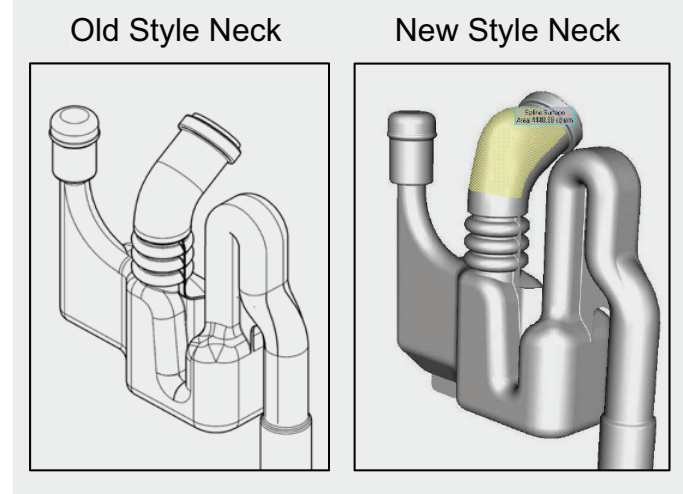
- **Effective Date:**  
New Sensor included with boiler starting June 1st 2009.  
New Sensor available as a spare part starting June 1st 2009.

## Condensate Trap

Part Number: 75978

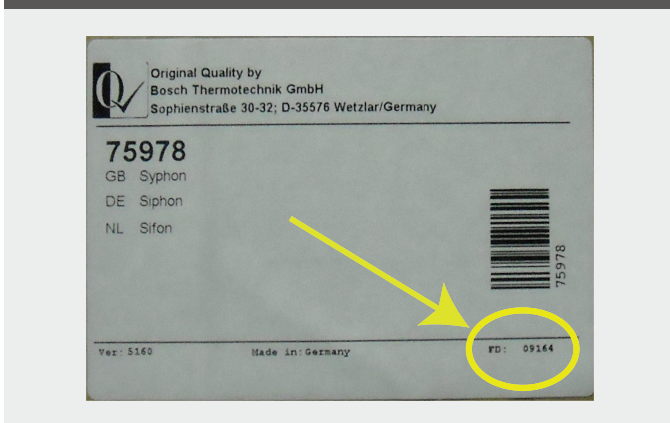
- **Problem description:**  
If condensate traps dry out the plastic may crack at the neck. Difficulty removing the trap for maintenance may also unintentionally lead to stress cracking.
- **Product Improvement:**  
Material changed to Bralen RB 03-23 known for high environmental stress cracking resistance. Neck design changed to allow ease of removal and prevent unintentional cracking through handling (See Fig. 2).

Figure 2



- **Effective Date:**  
Material change – June 2007  
Neck Design change – April 2008
- **Field Inventory Action:**  
Any condensate traps currently in field inventory with an FD < 7151 (see Fig. 3, how to read FD) may be returned for a replacement. Please call customer service to obtain an RMA. Photo identification of the FD number will be required for credit.

Figure 3



## 2F Kim Chip

### Part Numbers:

- GB142-24=Kim chip number 1055 part number 78223
- GB142-30=Kim chip number 1056 part number 78224
- GB142-45=Kim chip number 1057 part number 78225
- GB142-60=Kim chip number 1058 part number 78226

- **Problem description:**  
In areas with low-BTU gas, the boiler may register a "2F" code
- **Product Improvement:**  
Software in KIM chip changed to eliminate a "2F" code due to low-BTU gas.
- **Effective Date:**  
Parts cut into production and available as spare parts in October 2008

Please contact Quality Engineer James Middleton with any questions.

# **Buderus**

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