

Technical Specification Bulletin

TB202

Fuel Type

Date of Issue

Edition

Gas

July 2019

2



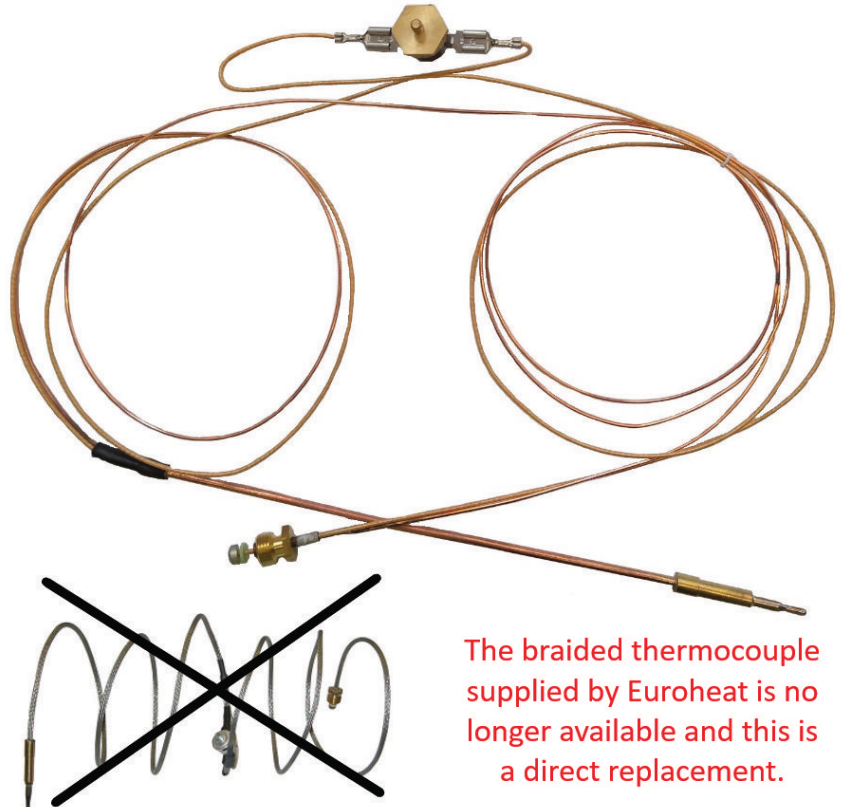
Thermocouple Replacement with SIT & Maxitrol Gas Valve

Page Number 1

Please note:

The replacement thermocouple is universal to the Harmony and Stanford range of conventional flued gas stoves and may differ from the one fitted to the stove.

If the one fitted is a braided Euroheat thermocouple then it is no longer available and the one pictured is a direct replacement.



Thermocouple with TTB:

Part No. 38641

Suitable for use on the following Nestor Martin Stoves:

Harmony 1, Harmony 5, Harmony 8, Harmony 14, Harmony 24, Harmony 34, Harmony 44.
Stanford 50, Stanford 80.

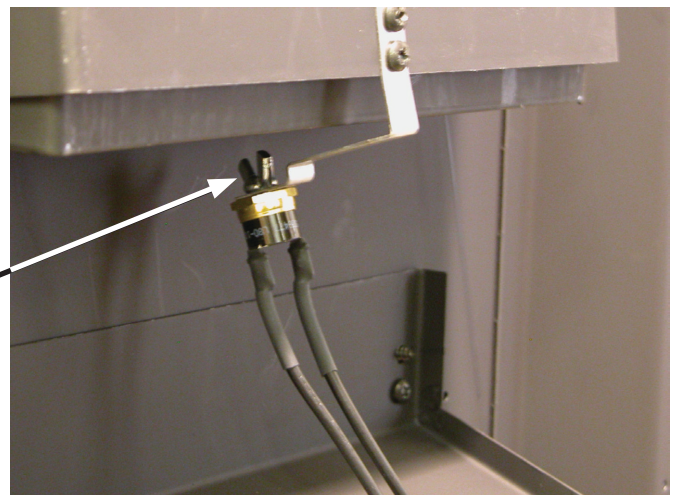
Stanford 14, Stanford 24, Stanford 34.

Location of the TTB flue spillage sensor.

This is found at the rear of the stove just below the stoves dilution box and secured in place with a nut or wing nut.

A new nut is supplied with the thermocouple.

Locating nut

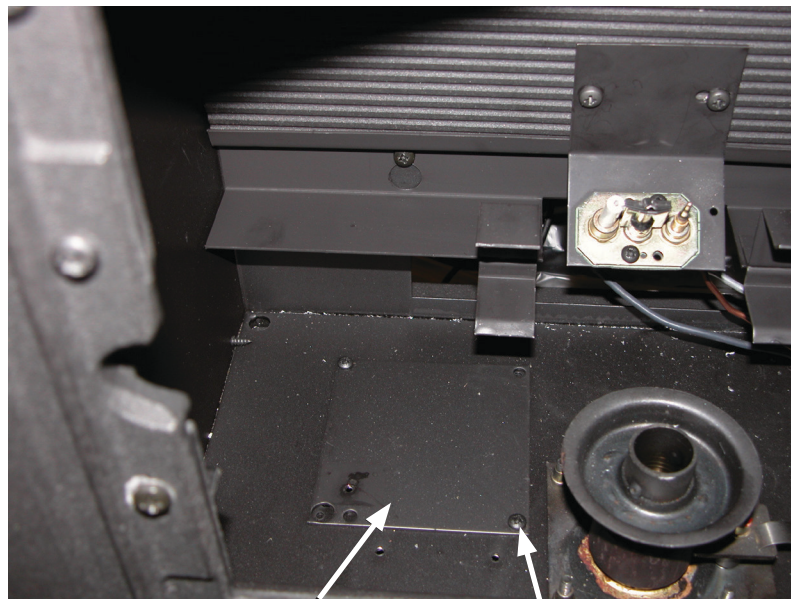


**Thermocouple Replacement with Maxitrol Gas Valve**

Page Number 2

Removal of the Thermocouple with a separate TTB.

- 1) Undo the nut securing the TTB to the back of the stove (see position of TTB on page 1).
- 2) Remove the log or coal effect kit from on top of the burner matrix. Take care as the ceramics are very fragile and are not covered under the stoves warranty where damage has been sustained through rough handling.
- 3) Remove the burner matrix from within the stove. There may be brackets holding the base matrix in place which may need removing before it can be lifted out.
- 4) Remove the screws and withdraw the gas valve cover plate from within the stove (see below).



Gas valve cover plate

Cover plate screw

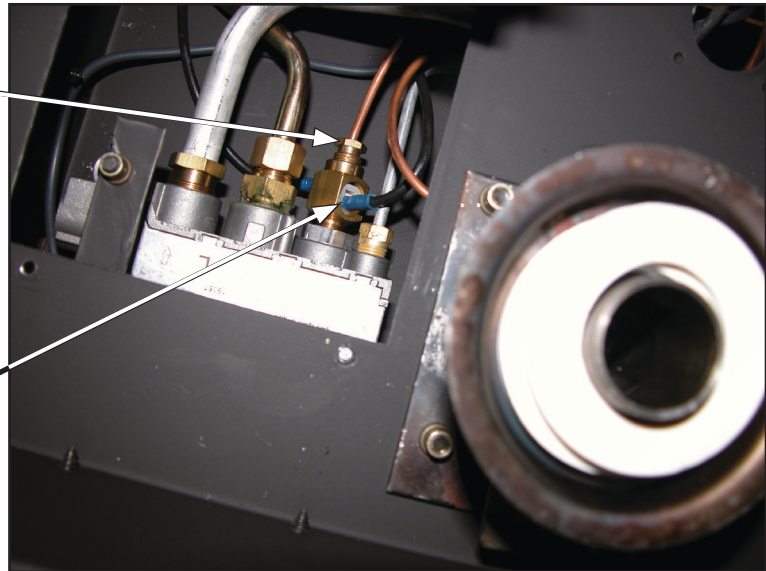
- 5) Once the cover plate has been removed the rear of the gas valve is exposed. Using an 8mm spanner unscrew the thermocouple from the back of the gas valve or if fitted the interrupter block (see picture on page 3).

**Thermocouple Replacement with Maxitrol Gas Valve**

Page Number 3

Thermocouple nut

TTB lead into interrupter block, where fitted.

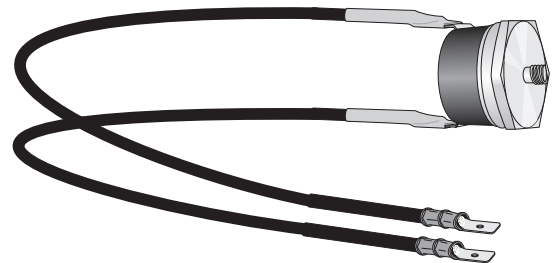


6) If fitted remove the two TTB leads from the interrupter block. Then unscrew the interrupter block from the gas valve.

TTB interrupter

Note:

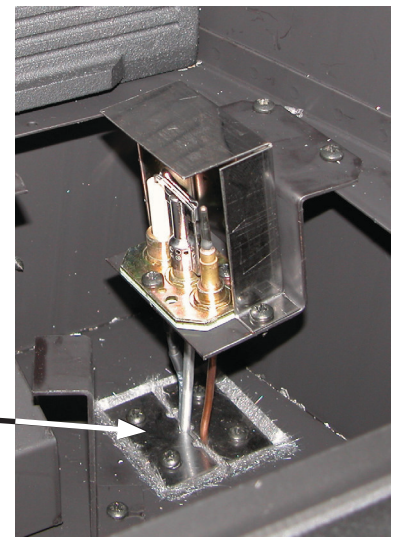
The interrupter block, if fitted, will not be needed as the replacement thermocouple fits directly into the back of the gas valve.



Once removed the TTB interrupter, if fitted, should also be discarded as the new thermocouple incorporates its own TTB interrupter.

7) Remove one side of the clamp plate below the pilot assembly, if fitted.

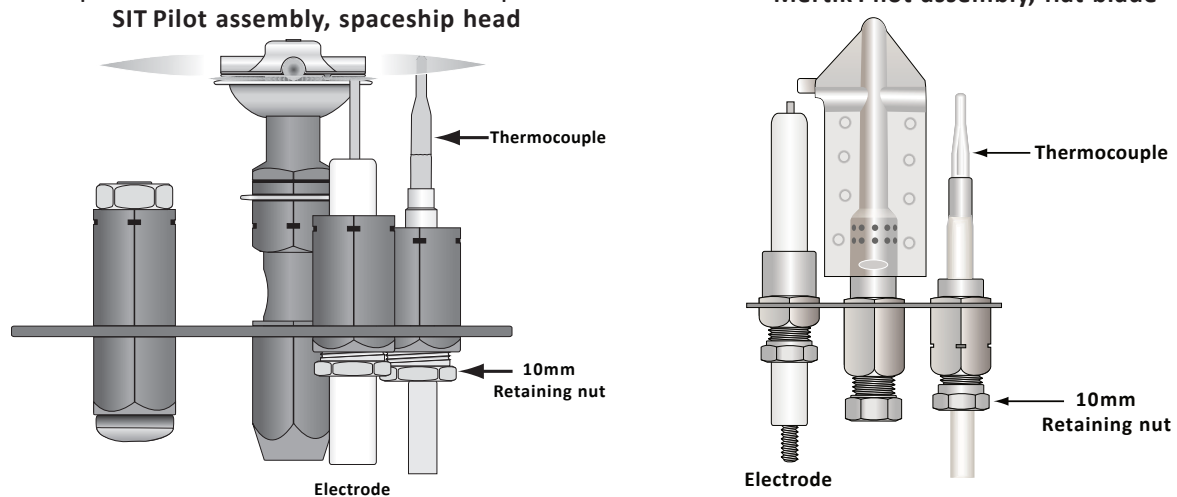
Clamp plate



**Thermocouple Replacement with Maxitrol Gas Valve**

Page Number 4

8) Using a 10mm spanner loosen the thermocouple retaining nut underneath the pilot assembly and withdraw the thermocouple sensor. Remove the retaining nut from the thermocouple as this will be required to fit the new thermocouple.

**Fitting the replacement Euroheat Universal Thermocouple (38641)**

1) Feed the cable through to the back of the stove and fit the TTB to the bracket, the nut need only be finger tight (see page 1 for bracket position).

2) Loosely fit the 10mm nut to the pilot assembly and push the thermocouple sensor through the nut to the correct position and tighten the nut.

3) Loosely refit the clamp plate below the pilot assembly, if fitted, so as not to trap the igniter cable (HT lead).

4) Check the operation of the pilot, making sure that the main burner control knob is in the OFF position, adjusting the thermocouple height if required due to flame movement. The tip of the thermocouple should be in the hottest part of the flame, see the diagram for the thermocouple position within the flame.

5) Replace the cover plate above the gas valve.

6) Replace the burner base, log or coal effect and embers (see installation instructions for log and coal effect layout). Ensure that the burner base is sitting correctly on the burner seal below.

7) Check the operation of the main burner.

Correct position of thermocouple tip in the pilot flame

