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Technical Bulletin

Glow-worm 'xi' range of boilers – Product modification and servicing reminder from Glow-worm

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Central heating boiler manufacturer Glow-worm highlights the benefits of a product modification to the burner door seal on the Cxi, Sxi and Hxi range of appliances originally manufactured between 2002 and 2006

Introduction:

This Technical Bulletin has been published in conjunction with the central heating boiler manufacturer Glow-worm to highlight the significant benefits of a product modification to the Glow-worm xi range of boilers listed below.

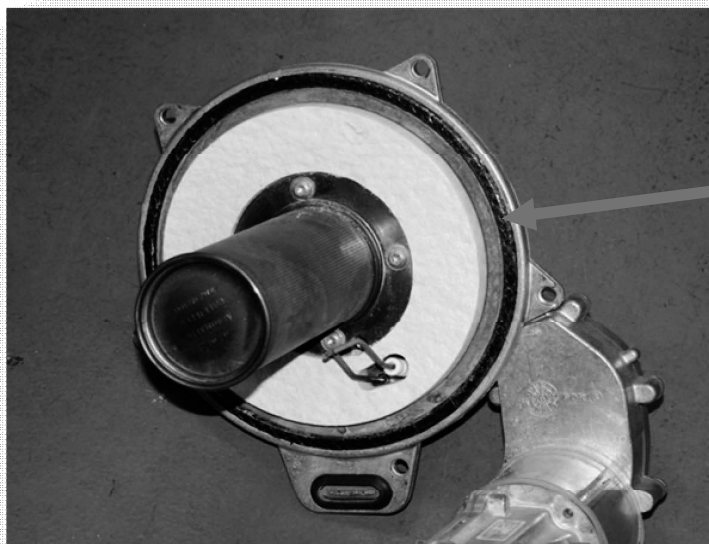
- Glow-worm Cxi range of combination boilers (2002-2006);
- Glow-worm Sxi range of system boilers (2002-2006);
- Glow-worm Hxi range of open vented boilers (2002-2006);
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Background :

All of the above boilers produced **before** April 2006 were fitted with a silicon seal between the burner door and main heat exchanger, see illustration below.

From April 2006, a new graphite seal was introduced which has the following significant benefits:

- The graphite seal does not need periodic replacement at the time of normal annual servicing unlike the original silicon seal;
- The new graphite seal is also designed such that it is not necessary to remove the burner module during annual servicing. The burner module would only need to be removed and inspected should either a combustion analysis or visual inspection of the flame picture indicate the appliance is outside of specification.



Seal between burner door and main heat exchanger (new graphite seal illustrated).

Important: If the burner door is removed for any reason a new graphite seal must always be fitted.

- Annual service times for boilers fitted with a graphite seal are consequently reduced.

Important Note: *If any boilers on the above list (i.e. those produced before April 2006 and still fitted with a silicon seal) have not been serviced for an extended period, there is the possibility that the silicon seal could degrade over time to the point where heat can escape into the boiler inner casing. If left for an extended period without attention, this can result in distortion of the burner door and/or plastic components internally within the boiler being damaged through overheating.*

SAFETY ACTIONS :

When the above range of central heating boilers are identified

Where a Registered Gas Installer (RGI) becomes aware of any of the above central heating boilers during the course of a visit to a property, the boiler should be checked, paying particular attention to the burner door/heat exchanger seal (as shown in illustration). If the RGI believes that the appliance is the type with the older silicon burner door/heat exchanger seal, the current Notification of Hazard (NOH) procedure should be applied as described below:

- Where the seal has become defective and/or damage has occurred to the burner door or plastic components within the boiler then the appliance should be turned off and a Notice of Hazard "B" issued
- Where there are **no** signs of distress and the appliance is otherwise operating safely, the appliance should be considered as not to manufacturers standards and a Notice of Hazard "A" issued , until the silicon seal is replaced by the new graphite seal.

In light of the significant benefits of the new graphite seal, Glow-worm are strongly recommending to all Registered Gas Installers to replace the existing silicon seal with a new graphite seal at the time of normal annual servicing on any of the above boilers. Full instructions for replacement of the seal are included in the seal packs.

Seal packs can be obtained from the local Glow-worm spare part stockists.

If you require any further information, please do not hesitate to contact the Glow-worm Technical Support team on 0044 1773 828300.