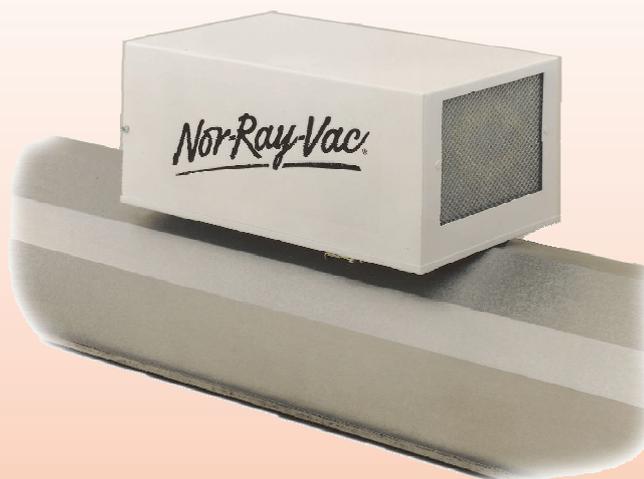


## NRV 46LR COMMISSIONING



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### WARNINGS

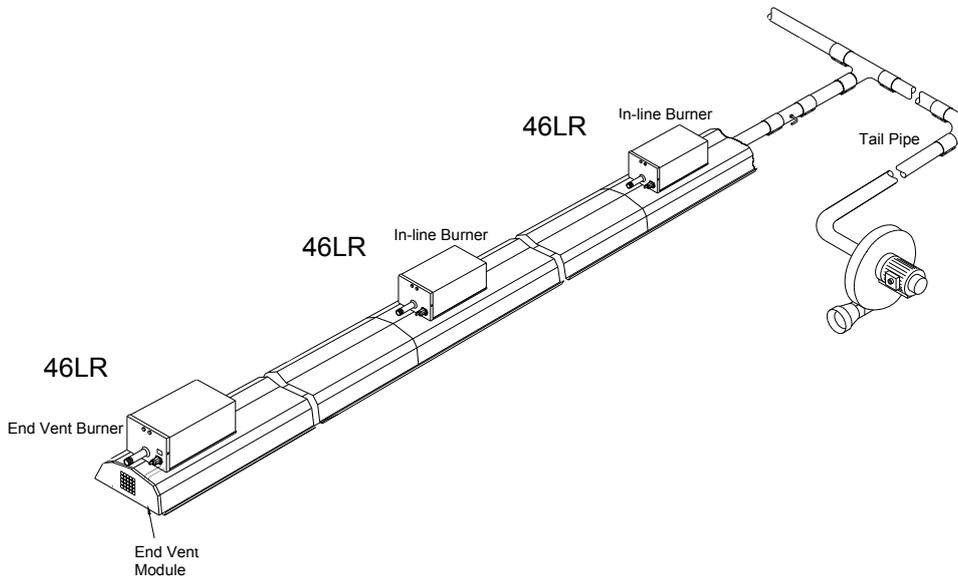
AmbiRad equipment must be installed and maintained in accordance with the relevant provisions of the Gas Safety (Installations and Use) Regulations 1998 for gas fired products. Due account should also be taken of any obligations arising from the Health and Safety at Works Act 1974 or relevant codes of practice. In addition the installation must be carried out in accordance with the current IEE wiring regulations (BS 7671), BS 6896:2005 (Industrial & Commercial) and any other relevant British Standards and Codes of Practice by a qualified installer. All external wiring MUST comply with the current IEE wiring regulations.

# 1. General Information.

This bulletin describes in detail the extra procedures to be carried out when commissioning or revisiting NRV systems with one or more legs containing three 46LR burners, (see diagram 1). It will be necessary to change

the burner orifice plates with square holes, where fitted, for orifice plates with a round hole, (see Figs.1 and 2). It may also be necessary to check the condition of the burner ceramic insert and its retaining plate, replacing these parts if required.

**Diagram 1: Configuration**



# 2. Parts Requirement.

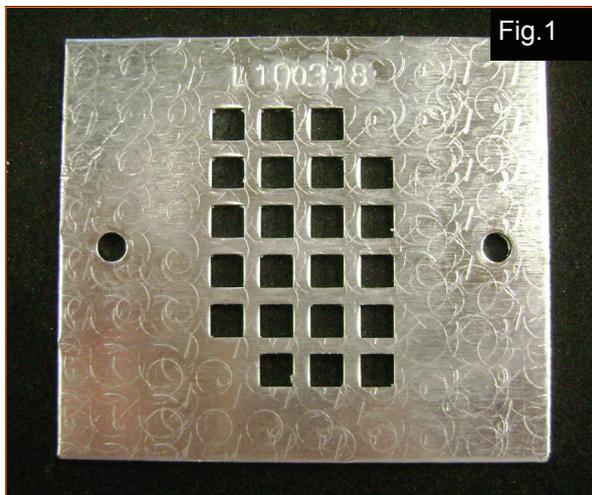
**Parts required for converting 46LR burners fitted with square hole orifice plates.**

Quantity	Description	Part Number
3 (per leg)	46LR orifice plate	L100318

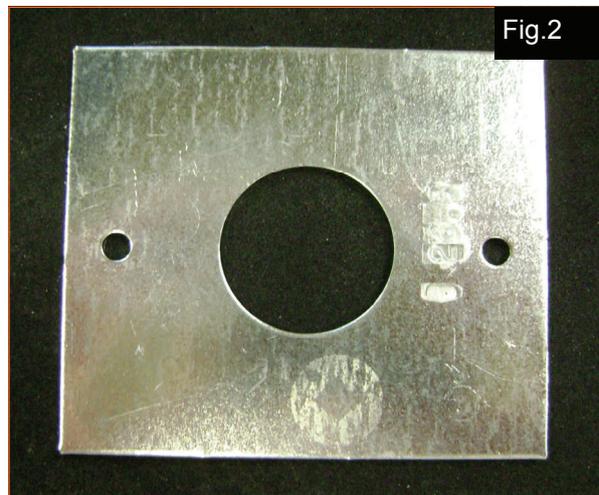
# 3. Instructions.

**1:** Convert each 46LR burner by changing the orifice plate from the square hole type, (if fitted), to the round hole type, (see Figs. 1 and 2).

Square hole type.



Round hole type.



### 3. Instructions cont.

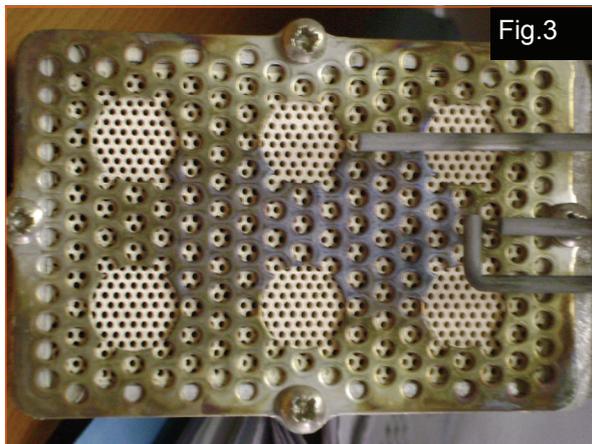
2: Commission the system as normal ensuring that the end vent vacuum is **5.6 mbar** when hot.

3: Observe combustion readings and record.

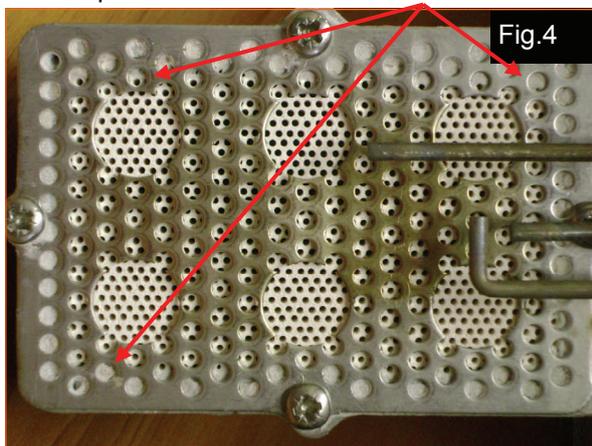
! **NOTE:** These readings must be returned to the AmbiRad service department for evaluation.

4: If the combustion readings are not satisfactory it will be necessary to remove the burner to examine the ceramic insert and the flame retention plate. (See Figs. 3 to 6).

Perimeter holes clear.

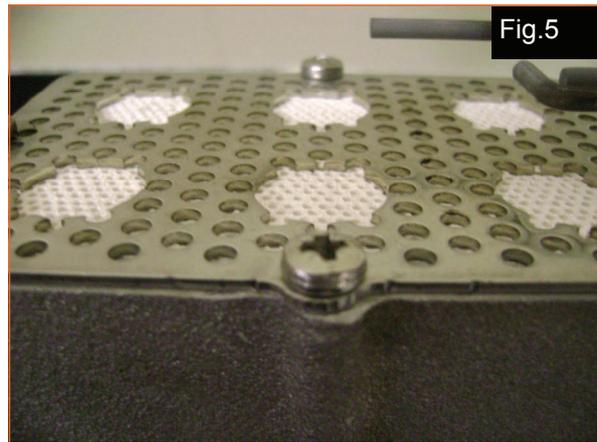


Some perimeter holes blocked with cement.

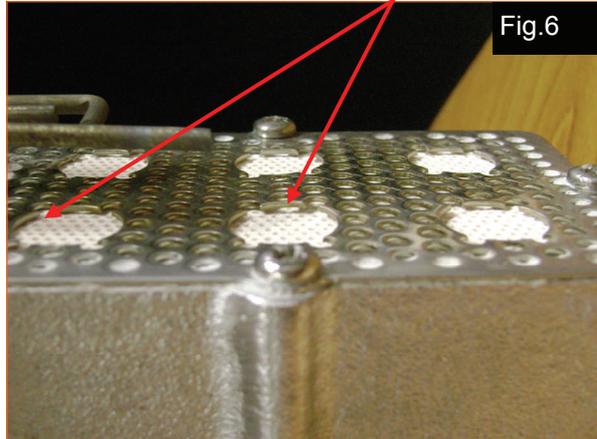


5: If the ceramic insert has any of its perimeter holes blocked with cement as shown in Fig.4, then the complete burner head should be replaced.

Correct flame retention plate (no gaps).



Incorrect flame retention plate.



6: If there are any gaps between the flame retention plate and the ceramic insert as shown in Fig.6, then the flame retention plate should be replaced.

Notes.

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