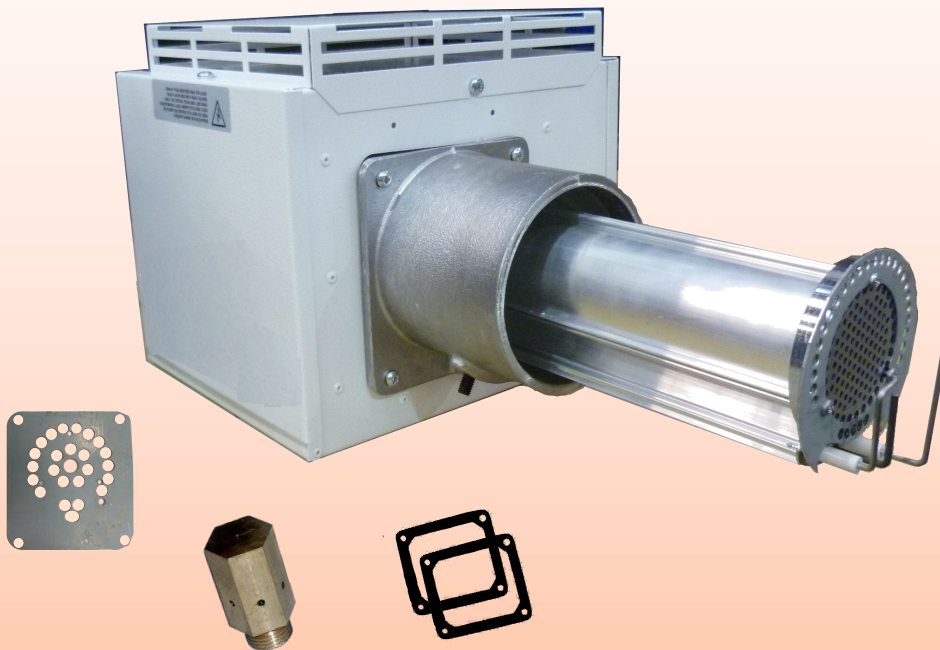


VISION VS30 PROPANE RETROFIT KIT



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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 technical bulletin to our customers who have VS30 propane heaters that have been sooting and require adjusting in the field. The current burner set-up soots. To solve this we have had to develop a new burner orifice plate with addition of some part changes to resolve this issue.

- ◆ Replace burner orifice plate.
- ◆ Fit the new gas injector and gaskets.
- ◆ Change injector pressure and herringbone damper settings (if applicable).
- ◆ Re-commission the unit.

2. Tools Required



Spanners



Screwdrivers
(flat & cross point)







Allen keys





Manometer

3. Parts Required



These kits containing all the necessary parts are available:

ITEM	PART NUMBER
 Gas Injector	201007-15 1 off
 Burner Orifice Plate	201063-81 1 off
 Burner Gaskets	201959 2 off
 Burner Data Label	1 off

These additional parts are required per unflued **unitary** heater:

ITEM	PART NUMBER
 4" Fan Flue Connector	M201032-SUB 1 off
 4" 90° Elbow	L101560 1 off

These additional parts are required per unflued **double linear** heater:

ITEM	PART NUMBER
 5" Fan Flue Connector	7176-SUB 1 off
 5" 90° Elbow	33-54-205 1 off

4. Removal & Replacement

Remove Burner tube

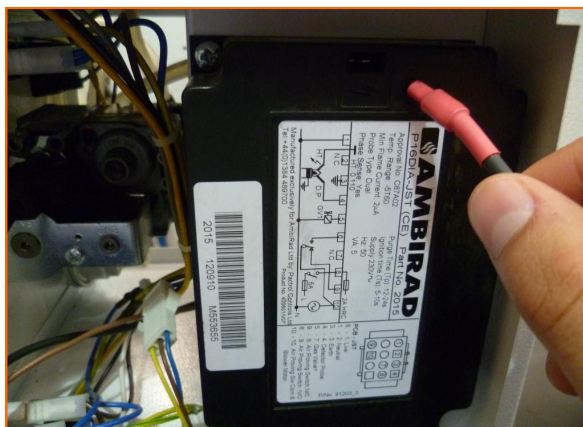
Remove the four screws securing the burner gasket. (Retain screws for future use).



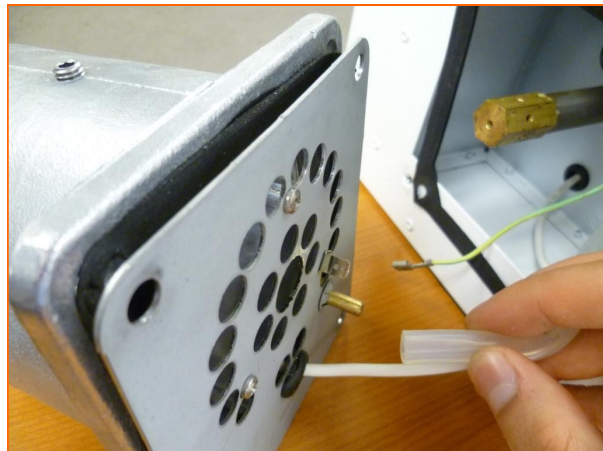
Remove the burner tube and gaskets to reveal the burner orifice plate and injector .



Open the left access door with the retaining screw on top and disconnect the HT lead from the controller.

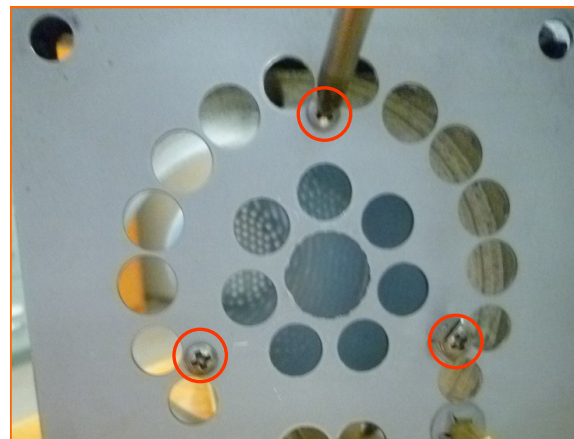


Remove the earth lead and the silicon tube from the burner orifice plate, threading through the HT lead.



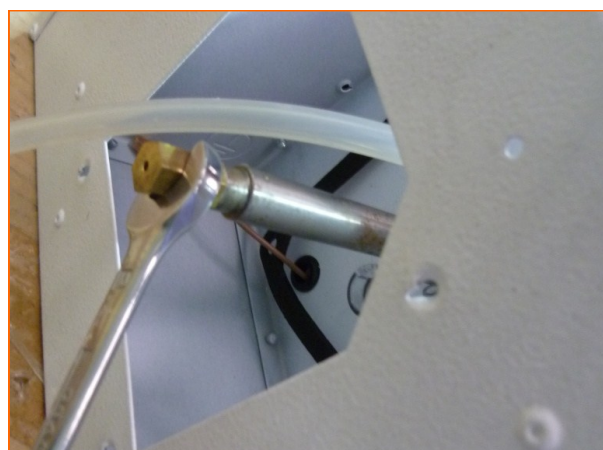
Replace burner orifice plate

Fix new burner orifice plate in position using the three original fixing screws. (Ensure that the earth connecting stud is replaced on one of the screws).



Replace the gas injector

Fit new injector using a spanner removed by rotating anti-clockwise. When replacing the gas injector ensure approved thread sealant is used.



4. Removal & Replacement cont.

Replace all tubes & leads to the new burner orifice plate. Fit new gaskets to the burner tube. Re-fasten the four screws securing the burner gasket.



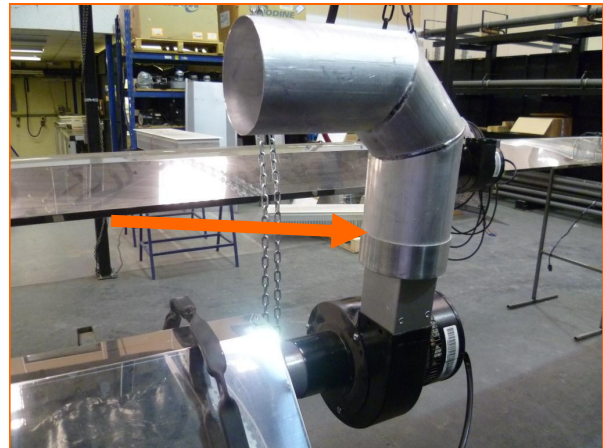
Fit new burner label

Fit new burner data label in place of the old label to show a change in gas pressure.

AMBIRAD VS(A)30UT/UH/LI/LH/DLPCE	
Q ₇ GROSS / GROB / LORDO / GRUESO / BRUTO	28.00 kW
GAS TYPE/ TIPO DE GAS/ GASOORT/ GASS TYPE/ GAS TYPI/ GASART	G31
P _n	30 37 50 mbar
P _{min/max}	35 45 57.5 mbar
CAT.	I _{3P} (30) CZ, DK, GR, HU, IT, LT, MT, NO, RO, SE
	I _{3P} (37) CH, CZ, ES, GB, GR, HR, IE, IT, LU, PL, PT, SI, SK, TR
	I _{3P} (50) AT, CH, CZ, ES, GB, GR, HU, SK
BURNER SETTING PRESSURE/ BETRIEBSDRUCK/ PRESSION BREULER/ PRESSION EN QUEMADOR/ YSETRYK/ FORHANDSINNSTILT/ BRENNERTRYKK	PRESSAO DE AJUSTE DO QUEIM/ INSTALT GAS. I BRANNARE/ PRASSIONE BRUCIATORE/ GASINSPUITDRUK/ PRESSION DE GAS INJECTEUR/ GASDRUCKINJEKTION
NO _x 2	9.2 mbar
APPLIANCE TYPE	A2(GB), B22, B52
230 V / 50 Hz / 116 W (16 W UH/LH/DL) / 1 A	

Unflued heaters

Fit a fan flue connector to the fan. Ensure use of the high temperature sealant when connecting the 90° elbow to the adaptor. Application applies to 4" & 5" connector. (highlighted in picture)



5. Technical Data

Injector pressure

The injector pressure for all VS30 unitary and double linear heaters for propane change to **9.2 mbar**.

Herringbone damper vacuum setting changes:

	COLD (mbar)	HOT (mbar)
VS30UH	3.1	1.8
VS30xx10-5	2.9	1.7
VS30xx12-5	2.7	1.7

AmbiRad Group
Heating and Ventilation Solutions

AMBIRAD AIRBLOC NORDAIRNICHE BENSON

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