

Work on Appliance Sequence

Complete Appliance visuals

- a) Location
- b) Clearances (Requirements – Provision)
- c) Signs Of Distress (Installation Faults, stable and secure)
- d) Ventilation (Requirements – Provision)
- e) Fluing (Requirements – Provision)

If Open Flue – Complete Flue Flow Test

Complete Appliance Safety Tests

To Prevent Incomplete Combustion – check your results against the manufacturers instructions / data plate

- a) Appliance is getting the right amount of gas (Gas Rate)
- b) At the Correct Operating gas Pressure (Burner – Inlet as appropriate)
- c) Correctly Oxygenated (Flame Picture or Combustion Gas Analysis or BOTH)

To Prevent Explosion

- a) Test Gas Controls for let by – (Gas Tightness Test – Local or at Meter) to Prevent build up of gas in appliance prior to ignition. The Gas Tightness Test should also follow a test of any FFD's (Therocouples)
- b) Test Gas Controls and Ignition Flame Safety Devices to prevent late ignition (FFD – Themocouple devices must be followed by a gas tightness test to confirm valve closure)
- c) Note – If work is carried out downstream of the gas valve (i.e. after P2) then all disturbed joints must be tightness tested using LDF with the appliance running or gas pressure present.

If Open Flue – Complete Spillage Test Per M.I.

Note: Test any disturbed joints or test points for tightness with gas pressure present or flowing, using LDF as necessary. (I.e. Burner Pressure P2 must be tested with appliance running, whilst P1 Inlet G20 Test point can be testing with ECV on and appliance service valve open).

Strip Down Service – Where Required (i.e problems with safety test results)

1st - Check all appliance seals when dismantling then;

- a) Check air path from air inlet to air/gas mixing area (clean, repair/report as necessary)
- b) Check Injectors, Burners and Heat Shields as necessary (clean where necessary)
- c) Check all heat sensors and safety devices are correctly connected and not been tampered with
- d) Check Exhaust path from combustion area to flue exhaust outlet (clean where necessary)
- e) Repeat Gas Safety 26(9) Tests After any Service Work or Gas Work on the appliance