

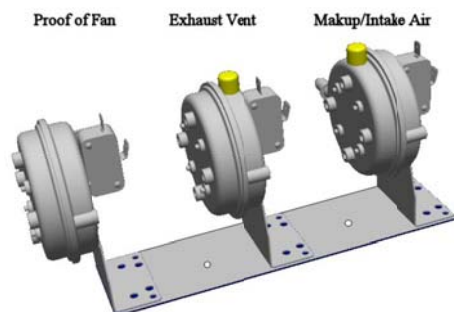


Spiderfire (GHE Series) and Fault Code A06

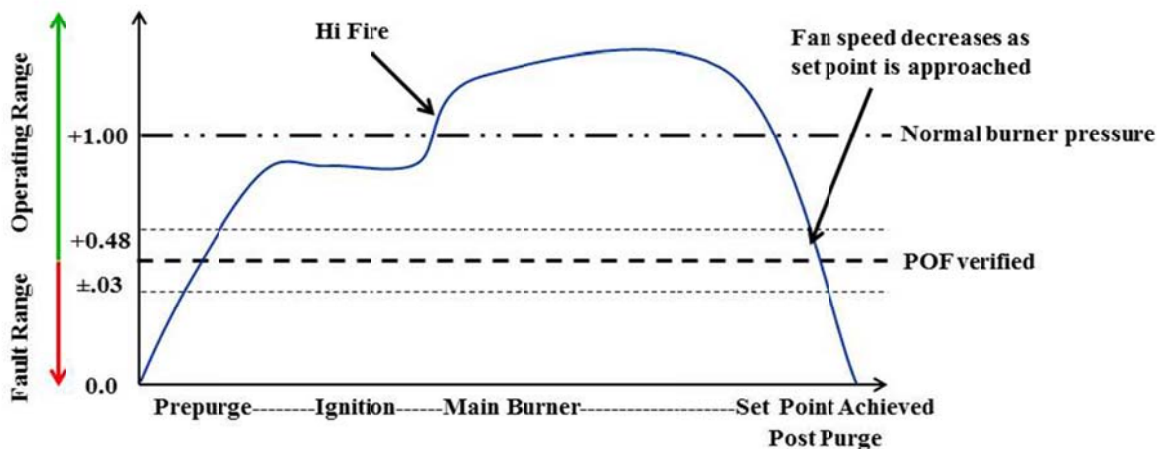
A06 is a fault code indicating a blocked vent. This can mean one of the three pressure switches (Proof of Fan, Exhaust Vent or Make Up/Intake Air) has faulted. Below you will see graphs of each pressure switch and their relative operating range and fault settings.

To perform these tests you will need a digital manometer capable of measuring positive and negative pressures.

Each pressure switch has a port that you connect your digital manometer and measure pressure settings. Pressure setting should be taken during Prepurge and main burner (high fire) mode.



Proof of Fan Activation Normally Open ($+0.48 \pm .03$)



Check:

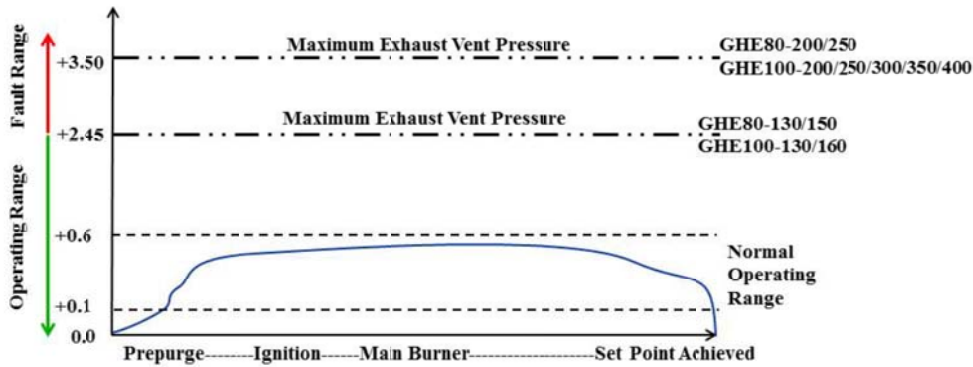
- Condensate trap is blocked due to a long run
- Exhaust vent lengths exceed use and care recommendations



Spiderfire (GHE Series) and Fault Code A06

Exhaust Switch (Normally Closed $+2.45 \pm .15$)

Longer the exhaust venting, higher the exhaust pressure

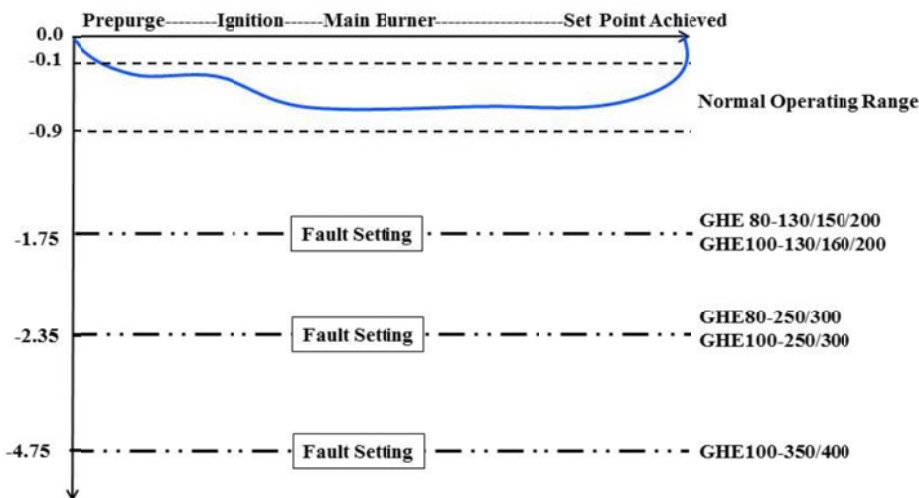


Check:

- Condensate trap is blocked due to a long run
- Exhaust vent lengths exceed use and care recommendations

Intake Switch (Normally Closed Negative $\pm .15$)

Longer inlet venting, more negative the intake pressure



Check:

1. Intake vent lengths exceed use and care recommendations



Spiderfire (GHE Series) and Fault Code A06

Most A06 fault codes are probably being caused by a partially blocked or fully blocked condensate removal. Remove the red inspection cap and inspect the condensate removal on the Spiderfire and make sure it:

1. Is not blocked with material
2. Slopes 'downhill' away from the heater at a $\frac{1}{4}$ fall for every foot of run
3. Uses a condensate removal pump if the run is more than 12 feet long

