

On 1 February Inspectors Allen, Laux and Kwasniewski visited the accident aircraft to examine flap position and Pitot-Static/Angle of Attack probes heating. Inspector Kwasniewski connected the aircraft battery and Inspector Laux actuated the battery switch and Pitot/Static Heat switch. Prior to moving the Pitot/Static heat switch to the ON position it was noted by Inspector Laux that the Pitot/Static heat annunciator was illuminated. After turning on the Pitot/Static switch the annunciator remained illuminated also there were no electrical indications that the heat was operational. The heat switch was left in the ON position for several minutes and Inspector Kwasniewski conducted multiple tactile tests to see if heat was being produced and all tests were negative for heat.

Robert A. M. Laux, IIC, ASI-Ops

From: [Allen, Brent \(FAA\)](#)
To: [Silliman James](#); [Laux, Robert \(FAA\)](#)
Subject: RE: Pitot Tube: Broken?
Date: Wednesday, June 26, 2019 10:12:29 AM
Attachments: [AOA heat.pdf](#)

Jim the pitot tubes are mounted on both sides of the nose section, which was damaged and destroyed the pitot tube so we were not able to verify the heat operation of the tubes. I have attached a wiring diagram for the pitot/ AOA heat; they are powered from the same power source. Picture of panel shows pitot static heat switch, damaged nose and right side fuselage AOA vane location.

Hope that helps answer your question.

Brent Allen, Aviation Safety Inspector
Aviation Safety
AFG-600 Fargo FSO GL21

[REDACTED]
[REDACTED]
[REDACTED]

Please provide feedback at:

[REDACTED]

From: Silliman James <sillimj@ntsb.gov>
Sent: Wednesday, June 26, 2019 9:14 AM
To: Laux, Robert (FAA) [REDACTED] >
Cc: Allen, Brent (FAA) [REDACTED]
Subject: RE: Pitot Tube: Broken?

OK. Thanks.

From: Laux, Robert (FAA) [REDACTED]
Sent: Wednesday, June 26, 2019 9:13 AM
To: Silliman James <[REDACTED]>
Cc: Allen, Brent (FAA) <[REDACTED]>
Subject: RE: Pitot Tube: Broken?

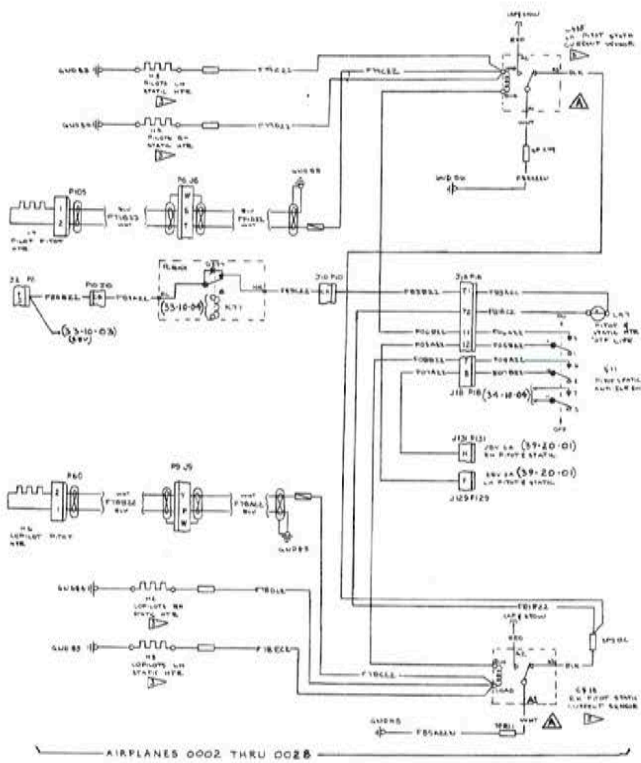
Jim,

I will refer you to Inspector Allen to clarify this.

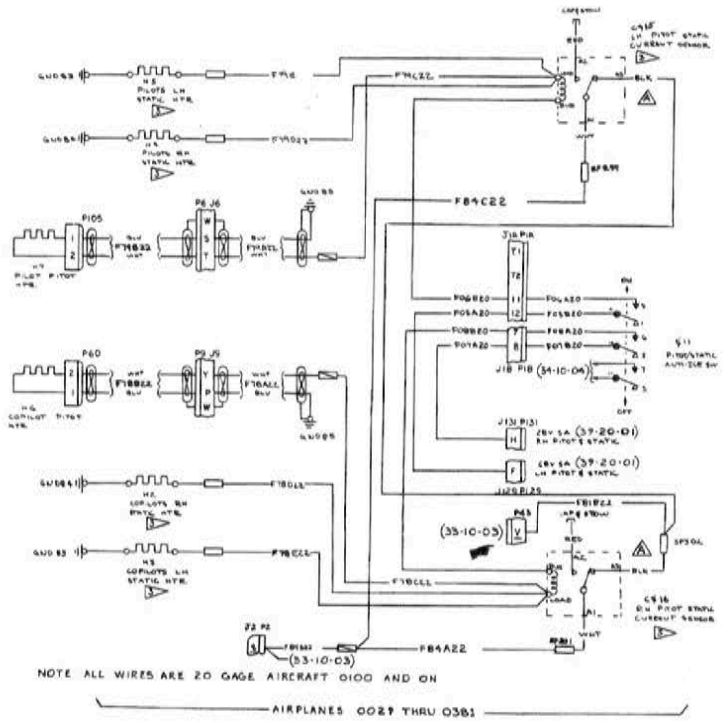
Bob

Robert Laux
FAA Aviation Safety
Aviation Safety Inspector-Operations
Fargo FSDO, GL21
[REDACTED]

CESSNA AIRCRAFT COMPANY
MODEL 550
WIRING DIAGRAM MANUAL



Pitot/Static Anti-Ice
Figure 1



TO REPLACE Q80-6 WITH Q80-1
CUT WIRES FROM Q80-6 AND
TERMINATE TO WIRES AND
CONNECT AS SHOWN.



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