

Limitations

Max TIT is 1750

Max CHT: 500 degrees, but continuous not to exceed 430

Max oil temp: is 245

Max oil pressure: 115psi

VNE: 198 KIAS

VNO: 168 KIAS

VA: 133KIAS at 4300lbs, 100 at 2450lbs

VFE 10: 165KIAS, 20: 130KIAS, 36: 116KIAS

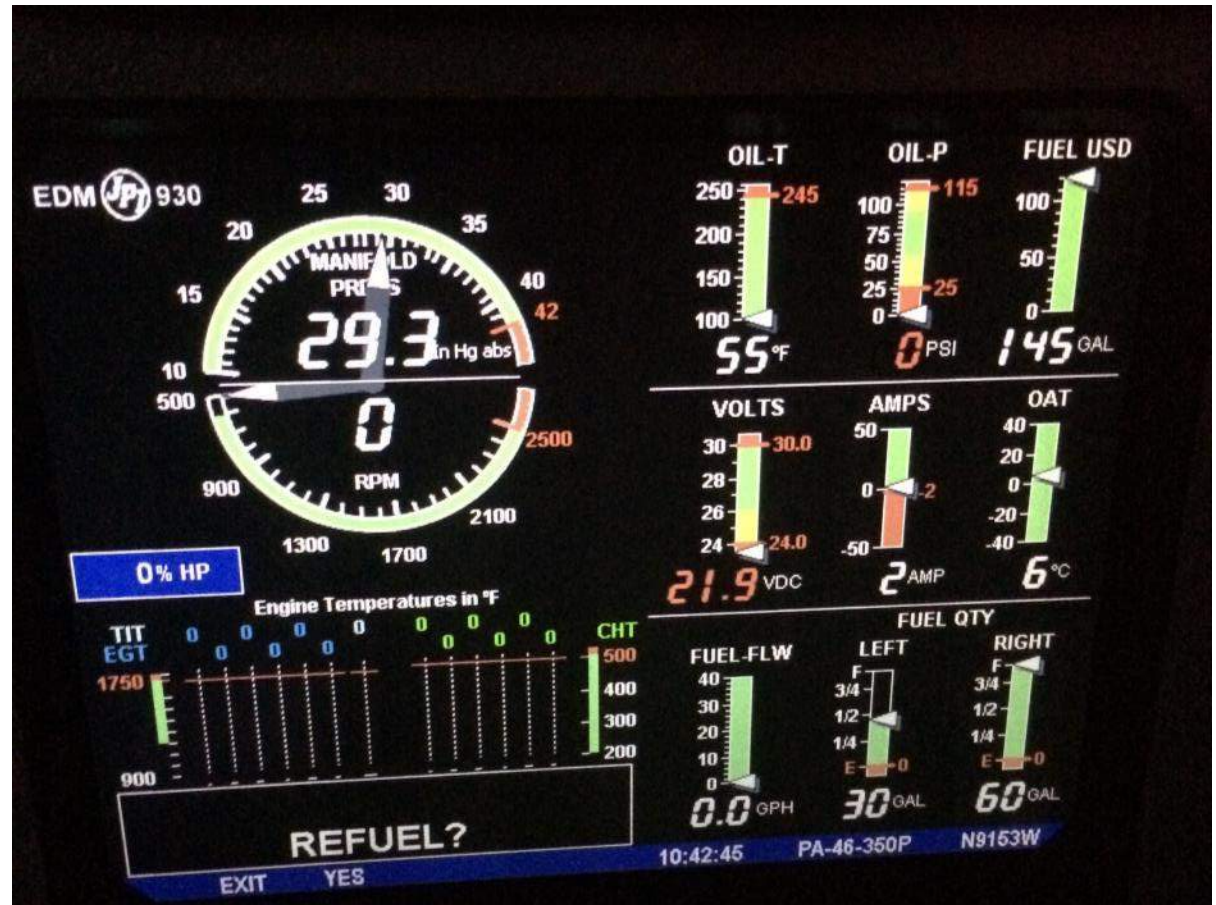
VLO: 165

VLE: 195

Vx: 80 KIAS

Best Glide: 90 KIAS





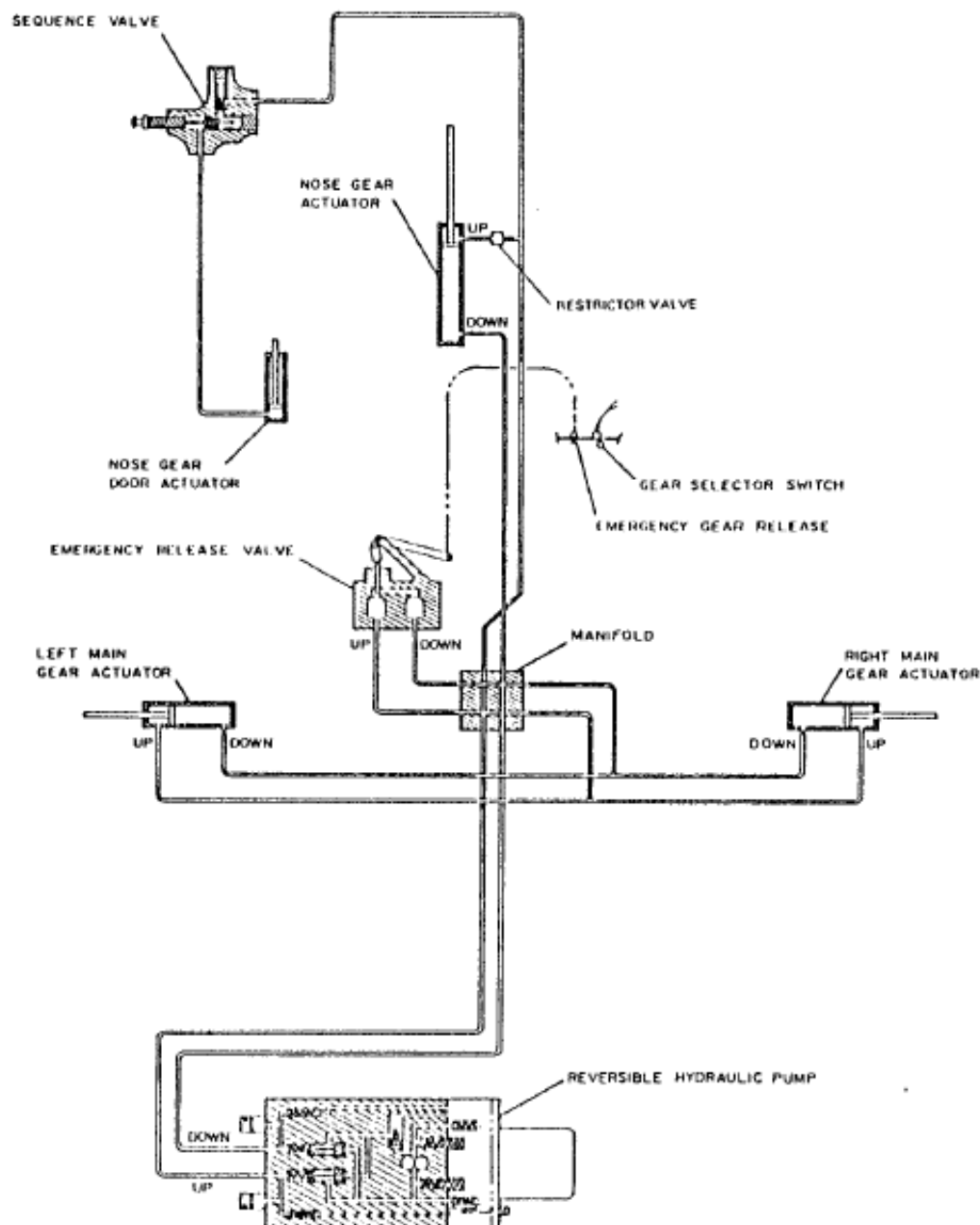
Close up of Instruments

Hydraulic System

Red GEAR WARN annunciator activates during normal transit, when gear horn active, and when gear are not fully down or not fully up when gear doors are close.

Gear Horn activates when MP under 14" and gear up, when flaps are more than 10 and gear up, or on ground when gear selector is up.

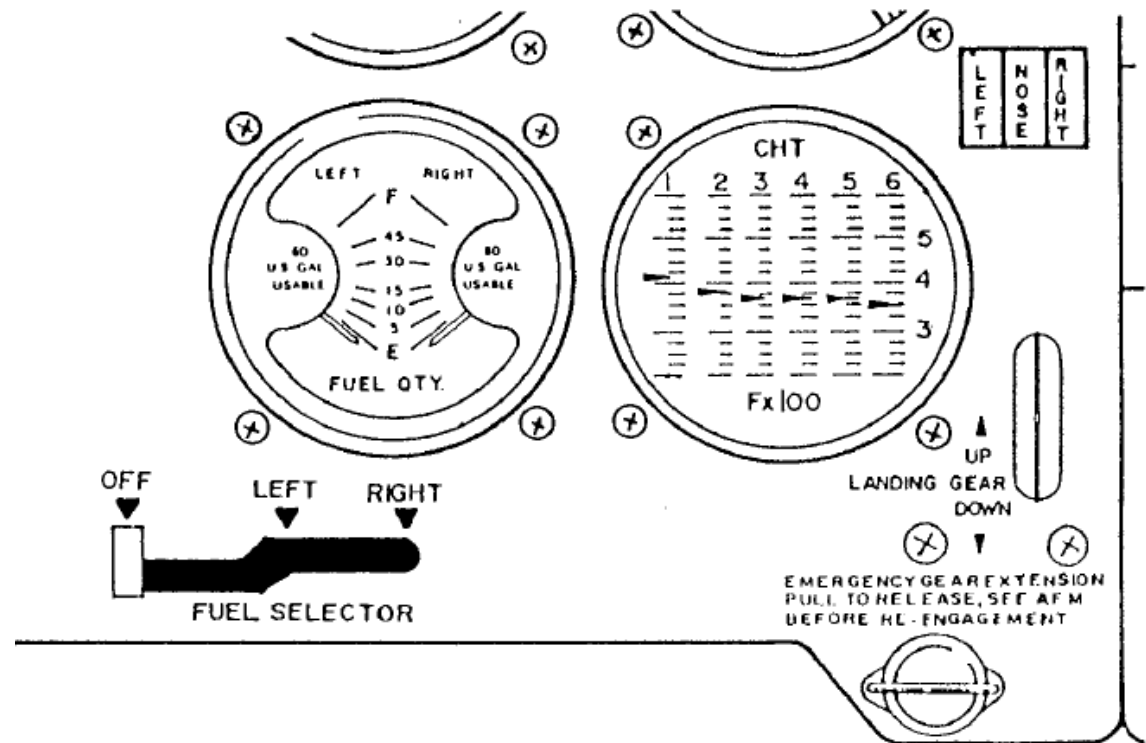
Amber HYD PUMP annunciator activates any time pump has power, including during normal transit. If it stays on after gear up or flashes then there is any issue.



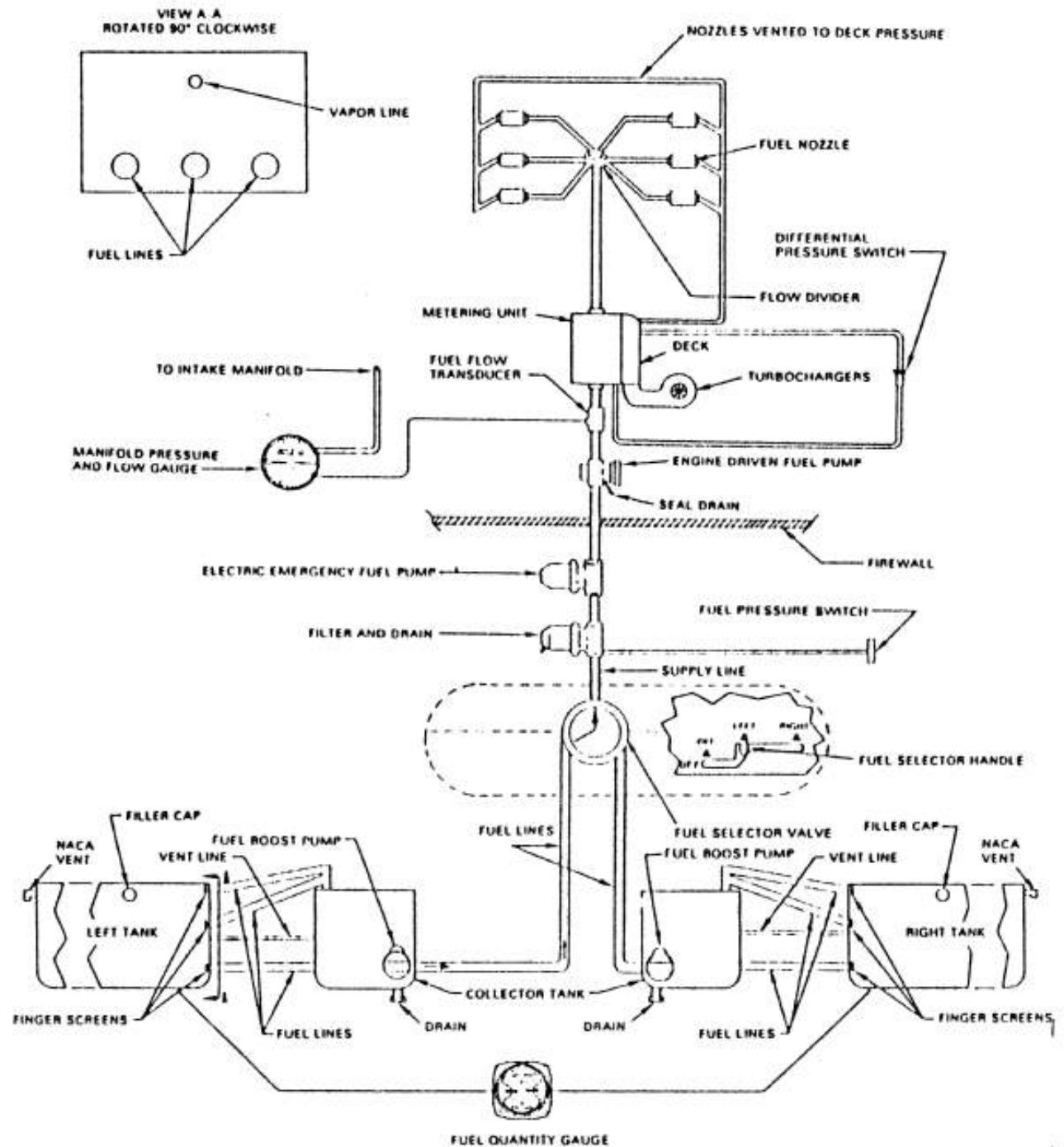
Fuel System

FUEL PRESS annunciator light means the engine driven fuel pump has failed.

Boost Pump annunciator activates if either tanks boost pump fails or cannot maintain pressure. If in climb, immediately switch to other tank and only switch back when level. If happens in level flight, land immediately.



Fuel System (continued)



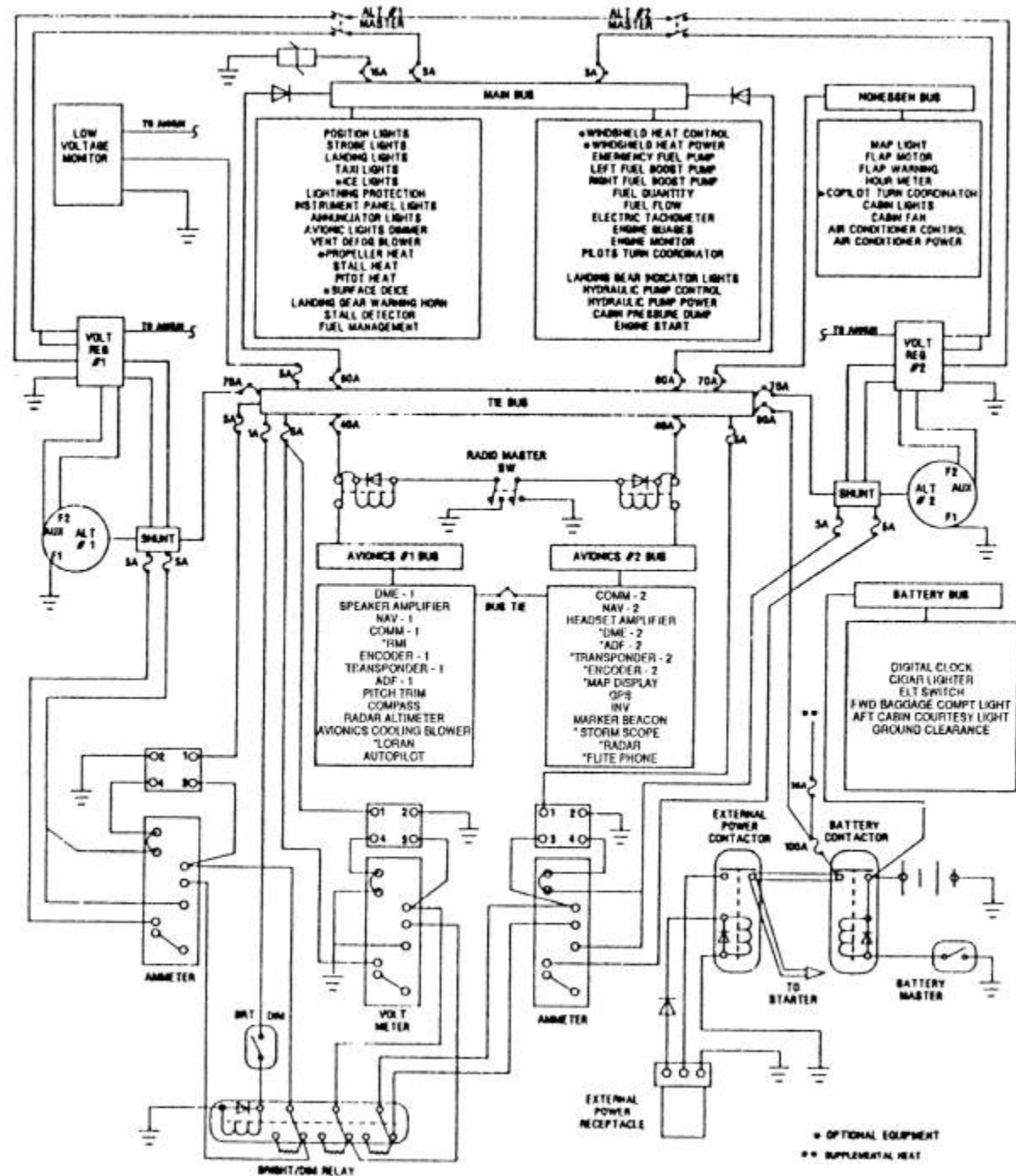
Electrical System

Each alternator has its own INOP annunciator as well as a LOW BUS VOLTAGE annunciator. Under high loads, 1 alternator may not be sufficient for all loads.

Stall warning system is computer driven. Vane will actually lift when testing the autopilot.



Electrical System (continued)

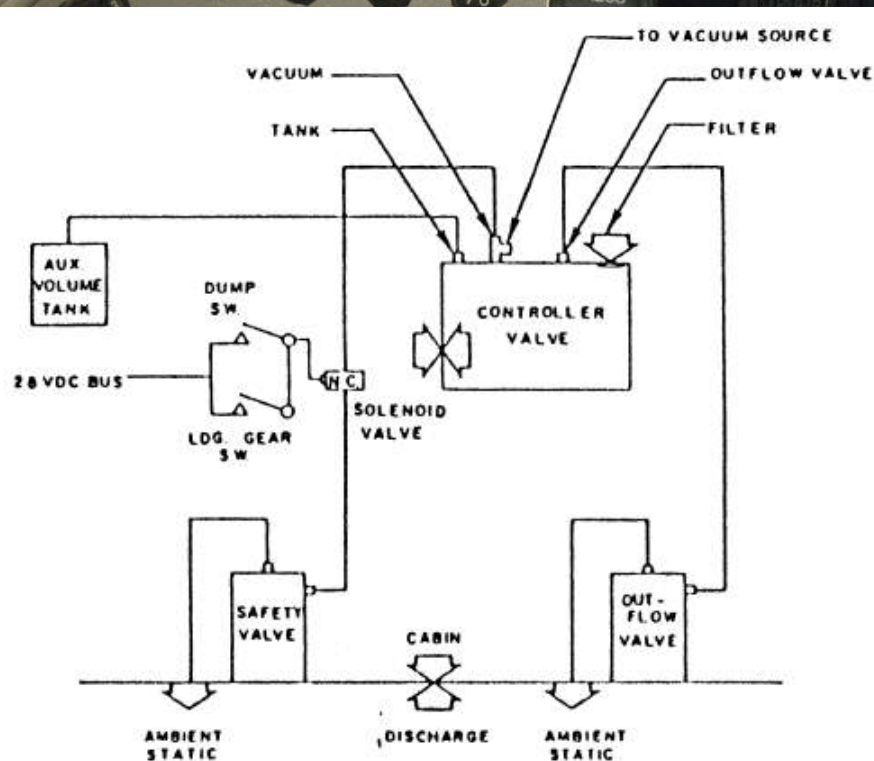


Environmental/ Pressure System

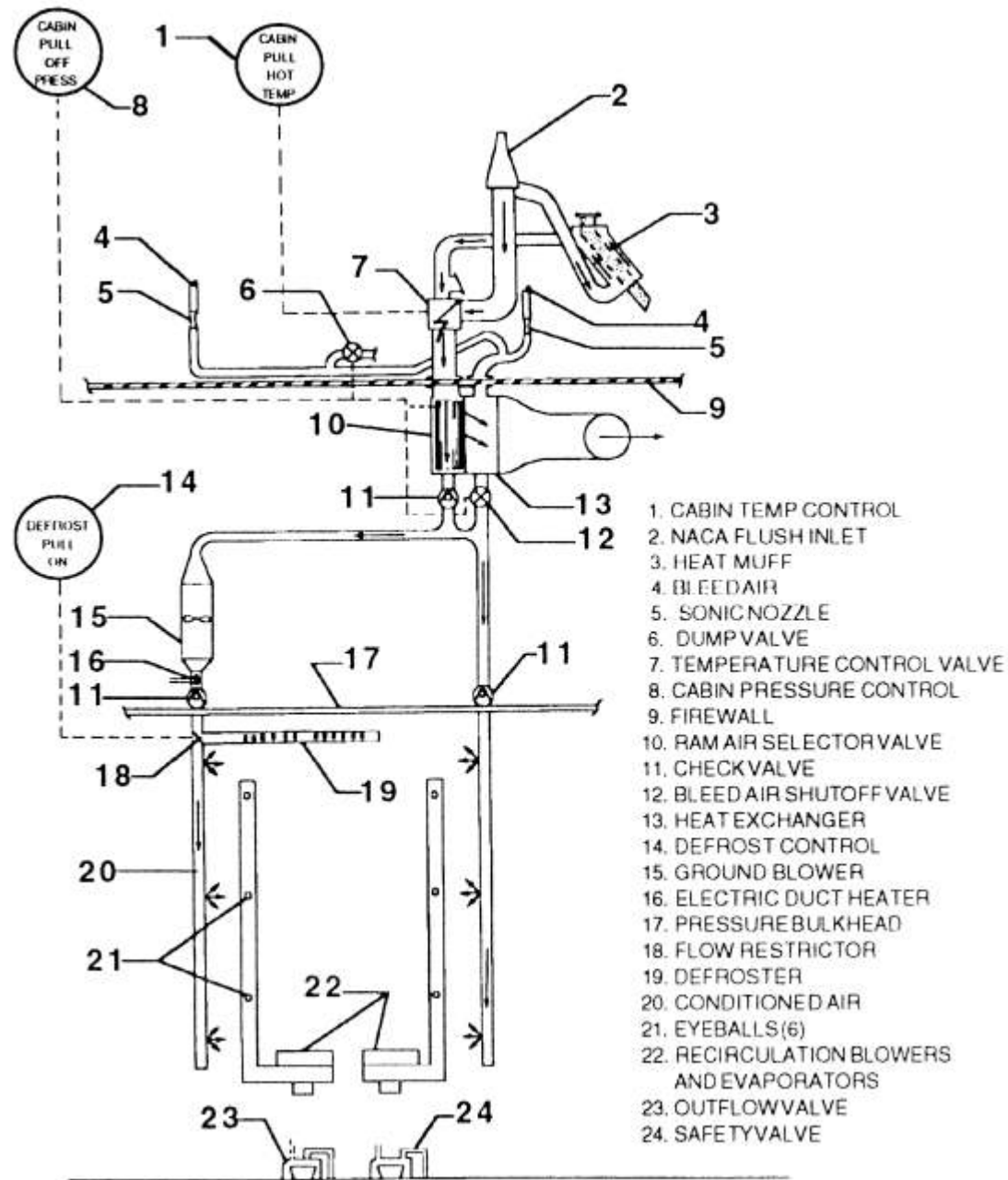
Max differential is 5.5psi.

Cabin must be depressurize when on the ground and when attempting to open primary or emergency doors.

Set cabin pressure to 500ft above field elevation. Arrow on bottom left controls rate of pressurization which indicates on left side of gauge. 9 o'clock position equals 500ft per minute.



Environmental/ Pressure System



Deice System

Windshield Heat - Test windshield heat by turning off one alternator, turning on LOW (15amp increase) and then quickly to HIGH (further 10amp increase). Do not operate high windshield heat on ground for more than 20 seconds. WSHLD HEAT annunciator may illuminate briefly when switching from HIGH to LOW. Otherwise if it comes on, turn off heat immediately.

Prop Heat – The unit provides heat to the prop pads in 90 second intervals with 90 seconds between intervals. Thus the ammeter might show zero amps for 90 seconds and the prop pad might not feel hot during preflight for 90 seconds.

Stall Warning Heat – Stall heater has a resistor that limits the ground heat of the stall warning to 33%. Thus when testing the stall heat during pre-flight, the stall warning device will not get as hot.



Warning Systems

