

PRECISE FLIGHT, INC.
FAA APPROVED AIRPLANE FLIGHT MANUAL SUPPLEMENT

TO

AIRCRAFT MODEL PA28-181

STC # _____

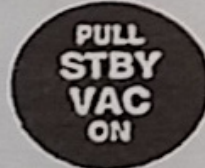
SYSTEM DESCRIPTION

The Precise Standby Vacuum System may be installed to provide a temporary system in case of primary vacuum pump failure. The Standby Vacuum System operates on a differential between manifold pressure and ambient atmospheric pressure and is directed through a shuttle valve system to drive your flight instruments.

I. OPERATING LIMITATIONS

1. The Standby Vacuum System is for emergency or standby use only and not for dispatch purposes.
2. Vacuum powered and/or Vacuum gyro directed auto pilot operation may be unreliable when the SVS is sole source of vacuum. Vacuum powered or vacuum gyro directed auto pilot should be OFF when operating with failed primary vacuum system.
3. The SVS is not designed to operate pneumatic de-ice systems. DO NOT operate this type de-ice system when operating with a failed primary vacuum system.
4. Above 10,000 feet pressure altitude, engine power settings may have to be significantly reduced to provide adequate vacuum power for proper gyro instrument operation.
5. The following placards are required to be in full view of pilot:

Placard to be located on the push/pull control cable knob:



Placard to be located around the LED bulb for the pump inoperative warning light:



Placard to be placed in front and in full view of the pilot:

[STANDBY VACUUM SYSTEM EQUIPPED: FOR OPERATING INSTRUCTIONS AND LIMITATIONS SEE SUPPLEMENT IN OWNER'S MANUAL OR PILOT'S OPERATING HANDBOOK]

FAA APPROVED

Date: August 17, 1989

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I. OPERATING LIMITATIONS (CONT.)

One of the following placards must be placed in full view of the pilot near the instrument vacuum indicator after appropriate entries have been made:

Approximate Standby Vacuum Available - Altitude - Power Chart
for Aircraft with C.S. Prop. - Max. Cont. RPM

PRESS ALT.	RPM	MAN. PRESS.	SVS VACUUM IN. HG. MIN.
2000	Max. cont.		
4000	Max. cont.		
6000	Max. cont.		
8000	Max. cont.		
10000	Max. cont.		

Approximate Standby Vacuum Available — Altitude — Power
Chart for Aircraft with Fixed Pitch Prop.

PRESS ALT.	RPM	SVS VACUUM IN. HG. MIN.
2000	2350	3.5
4000	2275	3.5
6000	2200	3.5
8000	2100	3.5
10000	2100	3.5