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Service Bulletin

SUBJECT:

Alternate Static Source on Cessna 182S, 182T, T182T, 206H, T206H equipped with Kelly Aerospace Air Conditioning per STC SA02006CH or SA03302CH.

Introduction:

This service bulletin is being issued to notify owner/operators of certain Cessna model aircraft modified with the installation of the Kelly Aerospace Air Conditioning of an altimeter error associated with use of the alternate static source. When the static pressure alternate source valve is pulled on, a change in static pressure supplying the static source instruments is introduced. The altimeter will react to this pressure change by indicating 30 to 100 feet lower than the aircraft's actual altitude. An Altitude Correction Card is being issued as part of this service bulletin, see Figure 1.

Compliance:

This service bulletin should be complied with upon receipt. A revised Approved Flight Manual Supplement will be released as the terminating action for this service bulletin.

Effectivity:

All Cessna 182S, 182T, T182T with STC SA02006CH air Conditioning, and all Cessna 206H, T206H with SA03302CH air conditioning installed.

Procedure:

Place Altitude correction card in POH for use when the alternate static source is required.

Material Required:

Altitude Correction Card.

CONTACT INFORMATION:

If you have any questions concerning the instructions in this service bulletin, please contact Kelly Aerospace Thermal Systems at 440-951-4744.

ALTIMETER CORRECTION

ALTERNATE STATIC SOURCE

CONDITIONS:

Power required for level flight or maximum power descent cruise configuration. Altimeter corrections for takeoff configuration are less than 50 feet.

ALTERNATE STATIC SOURCE ERROR CORRECTION				
Alternate Static Source ON				
60 KIAS	80 KIAS	100 KIAS	120 KIAS	140 KIAS
+30 feet	+40 feet	+60 feet	+85 feet	+100 feet

Add correction to indicated altitude to obtain actual altitude of the aircraft. Windows and ventilators closed, air conditioning off, cabin heater, cabin air, and defroster on maximum.

Figure 1

Example: Level flight using alternate static source at 100 KIAS and 3000 feet MSL indicated altitude, actual altitude is 3060 feet MSL.