

Cessna 180, 182 and Wren 460 Series Aeroplanes

AD/CESSNA 180/76 Alternate Static Source Valve Inspection 4/98 DM

Applicability: Model 182S aeroplanes with the following serial numbers:

18280001, 18280002, 18280004 through 18280045 inclusive, 18280048 through 18280060 inclusive, 18280062 through 18280064 inclusive and 18280067 through 18280070 inclusive.

- Requirement:
1. Fabricate placards with the following words, using letters at least 3mm (1/8 inch) in height, and install these placards in the cockpit within the pilot's clear view:
 - a. **'IFR operation prohibited'**
 - b. **'Use of the alternate static air source is prohibited'**
 2. Inspect, in accordance with Cessna Single Engine Service Bulletin SB97-34-02 Revision 1 dated 22 December 1997, the alternate static air source valve to ensure that the static air source valve is not restricted by the identification placard and to ensure that the valve body does not separate from the valve flange.
 3. If, as a result of the Requirement 2 inspection, the alternate static air source valve is found to be restricted by the identification placard, rework the alternate static air source assembly in accordance with SB97-34-02 Revision 1.
 4. If, as a result of the Requirement 2 inspection, the valve body is found to separate from the valve flange, replace the alternate static air source assembly in accordance with the procedures contained in the aircraft maintenance manual.

Note: FAA Priority Letter AD 98-01-01 Amdt 39-10287 refers.

- Compliance:
1. Prior to further flight after the effective date of this Directive.
 2. Within 100 hours time in service (TIS) after the effective date of this Directive or 27 May 1998, whichever occurs first. Accomplishment of the Requirement 2 inspection is considered terminating action for the Requirement 1 placarding if no fault is found.
 3. Prior to further flight after the Requirement 2 inspection. Rework of the alternate static air source assembly is considered terminating action for the Requirement 1 placarding.
 4. Either:
 - a. Prior to further flight to eliminate the operating limitations imposed by the Requirement 1 placarding;or
 - b. Within the next 25 hours TIS after the Requirement 2 inspection provided the operating limits imposed by the Requirement 1 placarding are adhered to.

SCHEDULE OF AIRWORTHINESS DIRECTIVES

This airworthiness directive becomes effective on 18 February 1998.

Background: The FAA has received reports from Cessna about the improper installation of the identification placard on the alternate static source. The placard was installed on the valve body in a location that covers the external orifice, which is the inlet for static air reference into the valve. If these assemblies are not corrected selection of alternate static air source will cause the altimeter, airspeed and vertical speed indicators to display erroneous indications.