

SERVICE LETTER

No. 300-09-02

Compliance recommended

Subject: Fuel Selector Valve Leakage

Affected Aircraft: EXTRA 300S, EXTRA 300L and EXTRA 200 Aircraft

Purpose: We have several reports that the fuel selector valves in these aircraft are not operating correctly. When the wing tanks are selected the acro/center tank is not completely shut-off. The result is fuel draining into wing tanks that must be empty for acrobatics. This is caused by the deterioration of the O-ring in the valve.

Compliance Time: Prior to next aerobatic flight

Test the integrity of the fuel selector valve as follows:

1. Completely drain wing tanks.
2. Fuel selector position: WING TANKS
3. Completely fill center tank.
4. Leave aircraft stationary for a minimum of three hours.
5. If there is found fuel in the wing tanks, the fuel selector valve must be repaired or replaced.

IMPORTANT:

Do not conduct aerobatic flights until the fuel valve is repaired or replaced.

CAUTION:

Do not change fuel selector position while applying not more than 15 PSI hydraulic or pneumatic pressure to the fuel selector valve in case the valve shall be checked when removed. This could damage the O-ring.

If fuel selector valve or parts of it must be replaced order the following parts from
ALLEN AIRCRAFT PRODUCTS, Ravenna, Ohio:

Part Number	Nomenclature	Units p Assy
6S122	fuel selector valve	1
6S122C1-1	. Housing, Valve	1
6S122C2-1	. Plug, Valve	1
MS29513-114	. Packing, O-ring	2
MS16625-1081	. Ring, Retaining	2
C0180-022-0810M	. Spring, Compression	2
MS19060-4812	. Ball Bearing	4
M83248/1-011	. Packing, O-ring	2
6S122C8	. Nameplate	1