

# PRODUCT LETTER



Light Aircraft Manufacturers

The Airport - Box 1149

South Washington Street

Afton, Wyoming 83110

Tel: (307) 886 3151

Fax: (307) 886 9674

## EAGLE II

DATE: October 1993

No. 000370

SUBJECT:

A.) Fuel Quantity Sight Tube

B.) Flop Tube Assembly

MODELS AFFECTED:

All Eagle II

TIME OF COMPLIANCE:

At owner's earliest convenience

All rubber or plastic fluid lines, regardless of the nature of the application, suffer degradation over time. This degradation results from exposure of the hose to heat, ozone, UV light, and chemical action of the fluid it is carrying, especially in the case of lines carrying aviation gasoline. Over time this degradation results in a loss of flexibility and possible cracking of the hose.

While most operators are aware of the need to inspect fluid lines under the cowl it is not as obvious that the fuel quantity sight tube and the fuel tank internal fuel pickup tube in the Eagle, also need to be inspected and if needed, replaced.

Therefore, Aviat is recommending that all owner's of Eagle aircraft perform the following inspections:

A.) On Eagle aircraft four (4) years old or older, inspect the fuel quantity sight tube, P/N 50858-006, for condition. Accomplish inspection by indenting the tube with a fingernail. The tube should feel soft and resilient. Should the tube feel hard and dry or if it is discolored a yellowish-brown to black, the tube should be replaced.

B.) On Eagle aircraft four (4) years old or older, inspect the fuel tank internal Flop Tube Assembly, P/N 30699-501, for condition. Inspection should include checking that all end fitting to tube swage joints are tight and secure and that hose is flexible and without cracks. If loose end fittings or stiff hose is found, assembly should be replaced. Care should be taken in removing the flop tube assembly from the tank to avoid damaging the threads. When reassembling use appropriate sealing and anti-seize compound on threads, such as TiteSeal T201 or equivalent. This compound can be obtained from Aviat as P/N 50097-002.

Aviat stresses that inspection of these hose assemblies should be included as part of the aircraft maintenance cycle regardless of age.