

SUPERCEDES PRODUCT LETTER 000370 PART B ONLY

DATE: June 26, 2008

REVISION: IR

SUBJECT: Fuel Flop Tube Hose Assembly

MODELS AFFECTED: All CHRISTEN EAGLE KIT AIRCRAFT

TIME OF COMPLIANCE: BEFORE NEXT FLIGHT

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Engineering Data is FAA Approved

1- EFFECTIVITY

On Eagle aircraft and any spare aircraft part sold as:

Fuel Flop Tube Hose Assembly
Part Number 30700-501

Flop Tube Assembly
Part Number 30699-501

2- PURPOSE

To notify owners of above aircraft and aircraft spare parts to potential safety of flight condition in the ability of the flop hose to pick up fuel in inverted flight.

3- BACKGROUND

Aviat Aircraft Inc. has received service difficulty reports concerning the potential stiffness of the fuel pickup hose manufactured by Stratoflex within the last five (5) years. The reports indicate that a stiff tube may provide a potential fuel starvation condition during inverted flight. Consequently, Aviat Aircraft has changed the material used to fabricate the flop hose assemblies and flop tube assemblies and no longer uses the Stratoflex hose.

Contact Aviat Aircraft Inc. parts department for replacement assembly availability and cost.

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4- COMPLIANCE METHODS

- 1- Replace Flop Hose Assembly or Flop Tube Hose Assembly per instructions.
- 2- Record logbook entry in aircraft log book.

5- INSTRUCTIONS*

Read instructions thoroughly before proceeding with any work.

To remove Flop Tube Assembly

- 1- Disconnect battery.
- 2- Drain fuel from aircraft using fuel system quick drains.
- 3- Remove RH lower cowl. (See Figure 1)
- 4- Remove RH wing leading edge fairing. (See Figure 1)
- 5- Remove RH side panel exposing fuel tank. (See Figure 1)
- 6- Remove fuel hose from fuel valve and fuel tank. (See Figure 2)
- 7- Remove 90° fitting from fuel tank. (See Figure 2)
- 8- Remove Flop Tube Assembly. (See Figure 2)

CAUTION : Care should be taken in removing the flop tube assembly from fuel tank to avoid damaging the threads.

Replacing Flop Hose only

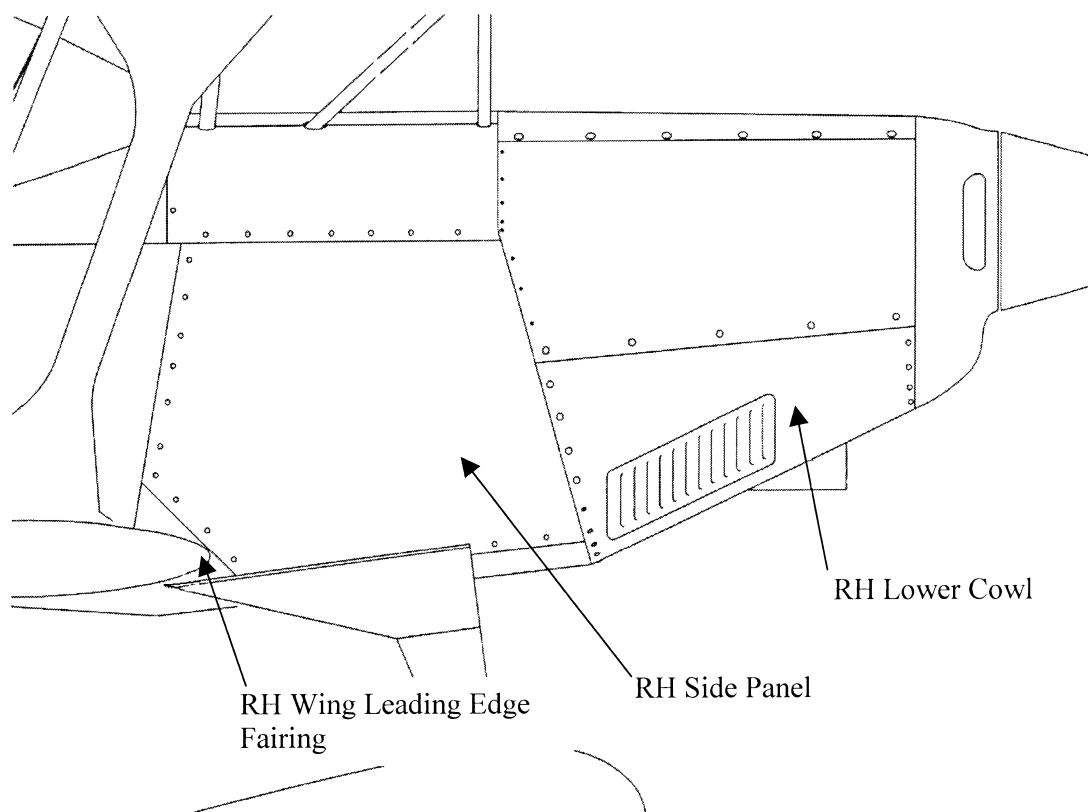
- A- Remove flop tube weight and fitting.
- B- Discard old hose. (New hose has manufacture date on ferrule).
- C- Reassemble flop tube weight and fitting to new hose by using appropriate sealing and anti-seize compound threads of hose.
- D- Verify that flop tube weight and fitting are properly tightened on the flop hose with not more than 4 threads and not less than 1 thread showing.
- E- Reinstall per instructions to reinstall Flop Tube Assembly below.

To reinstall Flop Tube Assembly

- 1- Reinstall flop tube assembly using appropriate sealing and anti-seize compound. (New flop hose assembly has manufacture date on ferrule)
- 2- Reinstall 90° fitting into fuel tank using appropriate sealing and anti-seize compound. (See Figure 2)
- 3- Reinstall fuel hose to fuel valve and fuel tank. (See Figure 2)
- 4- Reinstall RH side panel. (See Figure 1)
- 5- Reinstall RH wing leading edge fairing. (See Figure 1)
- 6- Reinstall RH lower cowl. (See Figure 1)
- 7- Reconnect battery.
- 8- Fuel aircraft and verify no fuel leaks.

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FIGURE 1



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FIGURE 2

