Dedicated Fuel Pickup Line

RevX

SD-1001

Evolution Aircraft, Inc
September 1, 2021

Status: Mandatory

Background:

It is possible to introduce air into the fuel supply line when the gas tank gets low on fuel. It has been determined that the fuel supply line to the carburetor must be independent of the sight gauge fuel line.

Scope:

The following serial numbers of the Rev X weight-shift-control aircraft are affected by this safety directive: X001 – X0040.

Authorized Persons:

An owner/builder with a minimum of a sports pilot license is allowed to execute this safety directive in accordance with the instructions in this directive.

Tools and Articles Required:

Fuel proof Teflon tape
7/16" wrench
9/16" wrench
11/16" wrench
Small flat head screwdriver
Pinch clamp tool/ Oetiker clamp tool

Kits supplied by Evolution Aircraft, Inc Includes:

Brass T fitting
1/4" threaded barb
(2) Hose clamps

Compliance:

Compliance is mandatory and has to be achieved within next 10 flight hours.

This is how to comply with this directive:

- Empty fuel tank.

- Remove fuel supply line and fuel vent line from existing T fitting. To remove Oetiker clamps use a small flathead screwdriver to pry open tab on backside of clamp.

- Remove Curtis Quick drain and 1/4" fuel line fitting from fuel tank.

- Teflon tape all threads and install supplied T into front gas tank threaded bung.

- Install 1/4" threaded barb into supplied T aiming at site gauge/ fuel line and connect sight gauge using hose clamp.

- Install Curtis Quick drain to the other side of the T. The drain will now remain sideways.

- Reinstall original 90° 1/4" barb into rear threaded bung gas tank and connect fuel supply line with hose clamp.

Testing:

- Fill fuel tank and check for leaks. Ground test engine.

Logbook Entry:

Aircraft logbook should be marked with the following entry and dated and signed with mechanic's or pilot owner/builder's license number (if applicable):
"Safety directive SD-1001 from the manufacturer satisfied as per instructions."