

# **A Pulse Line Replacement**

**RevX**

**SD-1003**

**Evolution Aircraft, Inc**

**February 19, 2025**

**Status: Mandatory**

## ***Background:***

It is possible for the pulse line that powers the mechanical fuel pump to fail within 5 years. Therefore this line is being changed to Aeroquip fuel line and should be checked annually and replaced at 5 years or on condition.

## ***Scope:***

The following serial numbers of the RevX weight-shift-control aircraft are affected by this safety directive: X001 – X0056.

## ***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:***

10mm wrench  
3/8" metric socket set  
Flat head screwdriver  
Oetiker crimper

## ***Kits supplied by Evolution Aircraft, Inc Includes:***

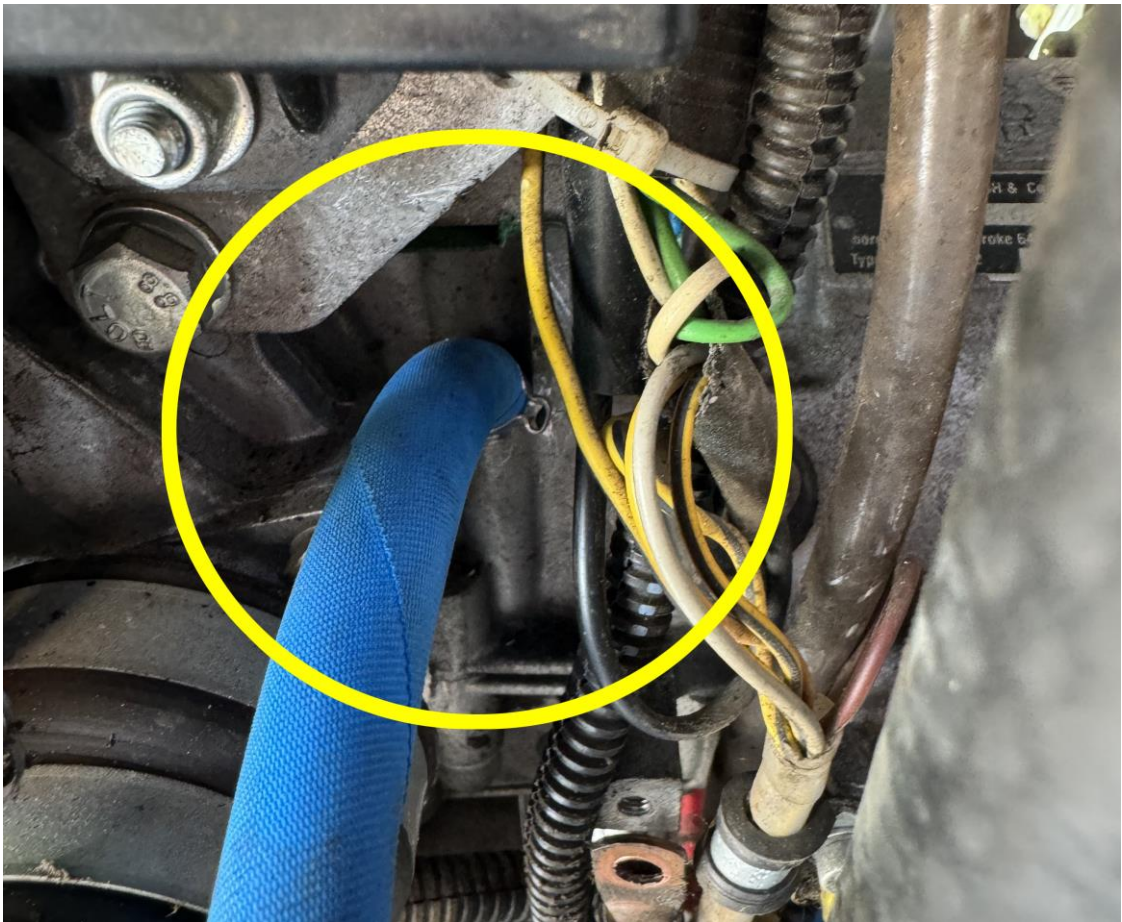
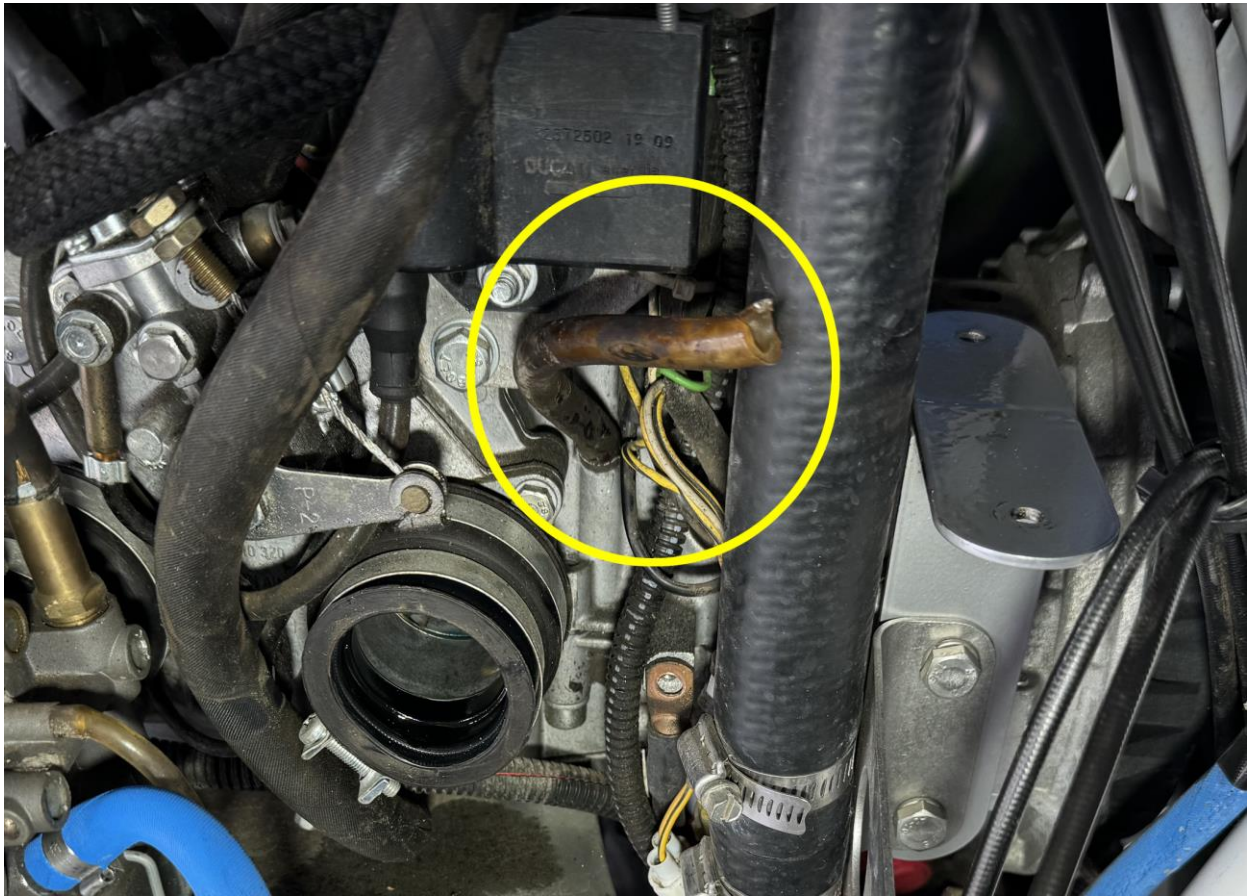
- (1) Fuel line
- (2) Oetiker clamps

## ***Compliance:***

Compliance is mandatory 2 years after pulse line since new.

This is how to comply with this directive:

- Remove airbox
- Remove right side carburetor
- Remove airbox bracket
- Remove Adel clamp that holds rotary valve to engine case
- Remove Oetiker clamps on both ends of line
- Replace line
- Install new Oetiker clamps
- Reassemble



### **Testing:**

- Start engine without using electric fuel pump and verify it runs for at least 5 minutes.

### **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-1003 from the manufacturer satisfied as per instructions."*