
AIRWORTHINESS DIRECTIVE

For the reasons set out in the background section, the CASA delegate whose signature appears below issues the following Airworthiness Directive (AD) under subregulation 39.1 (1) of CASR 1998. The AD requires that the action set out in the requirement section (being action that the delegate considers necessary to correct the unsafe condition) be taken in relation to the aircraft or aeronautical product mentioned in the applicability section: (a) in the circumstances mentioned in the requirement section; and (b) in accordance with the instructions set out in the requirement section; and (c) at the time mentioned in the compliance section.

Univair Corporation Ercoupe, Forney, Alon, and Mooney M10 Series Aeroplanes

AD/UNIVAIR/3

Fuel Line Nipple

7/2003

Applicability: All ERCO Model 415-C, 415-CD, 415D, 415-E and 415-G aeroplanes and all Forney Model F-1 and F-1A aeroplanes that have a gascolator connected to the side of the carburettor.

Note 1: This Directive does not affect those aeroplanes with a gascolator mounted on the firewall.

Requirement:

1. Inspect the fuel line nipple and elbow located between the carburetor and gascolator for cracks or misalignment.
2. Replace any faulty components and/or fittings detected during Requirement 1 of this Directive, in accordance with Univair Service Bulletin (S/B) No. 24B.
3. Replace any aluminum fuel line nipple with one made of brass or steel in accordance with Univair S/B No. 24B.
4. Replace any aluminum fuel line elbow fitting with one made of brass or steel in accordance with Univair S/B No. 24B.
5. Inspect for the existence of double support tubes on the gascolator and install these tubes if they do not exist, in accordance with Univair S/B No. 24B as follows:
 - a. For all affected aeroplanes except for (Forney) F-1 and (Forney) F-1A aeroplanes, install part numbers 48076 and 48096 (or FAA-approved equivalent part numbers) double support tubes; and
 - b. For all affected (Forney) F-1 and (Forney) F1-A aeroplanes, install part numbers 48098 and 48099 (or FAA-approved equivalent part numbers) double support tubes.
6. Do not install on any affected aeroplane an aluminium fuel line nipple or aluminium elbow.
7. Do not install a gascolator on the side of the carburettor on any affected aeroplane, unless the double support tubes specified in Requirement 4a or 4b of this Directive are installed.

Univair Corporation Ercoupe, Forney, Alon, and Mooney M10 Series Aeroplanes

AD/UNIVAIR/3 (continued)

Note: FAA AD 2002-16-04 Amdt 39-12843 refers.

- Compliance:
1. Within 25 hours Time In Service (TIS) from the effective date of this Directive. Replacement of faulty fittings found during the inspection detailed in Requirement 1 prior to further flight.
 2. Before further flight immediately following the Requirement 1 inspection.
 3. Within 25 hours TIS from the effective date of this Directive.
 4. Within 25 hours TIS from the effective date of this Directive.
 5. Within 25 hours TIS from the effective date of this Directive.
 6. From the effective date of this Directive.
 7. From the effective date of this Directive.

This Airworthiness Directive becomes effective on 10 July 2003.

Background: There have been failures of the fuel line nipple located between the gascolator and the elbow on the carburettor. Incorrect installation of the fuel line nipple, the elbow and removal of the bracing that supports the gascolator lead to failure of the fuel line nipple and the elbow. Failure of the fuel line nipple or elbow can lead to fuel leakage causing engine stoppage or fire.



Jim Coyne
Delegate of the Civil Aviation Safety Authority

26 May 2003