

**ERCOUPE
SERVICE
MEMORANDUM
No. 68**



Ercoupe
MEMORANDUM

**SUBJECT: HYDRAULIC FLUID
COMPATIBILITY**

DATE: June 13, 2012 Revision None

SUBJECT: Use of Proper Hydraulic Fluid in Early s/n Ercoupes

MODELS AFFECTED: Ercoupe 415-C serial numbers 1 – 812

Ercoupe model 415-C, serial numbers 1 – 812, main landing gear shock struts originally used Lockheed hydraulic fluid (as outlined in the Ercoupe Service Manual). This was a vegetable oil based fluid compatible with the natural rubber seals, specifically part number 415-33119 Ercoupe Cup, found in the shock strut units.

As Lockheed hydraulic fluid is currently unavailable, Univair recommends the use of Dot 3 or Dot 4 glycol based brake fluid per Fluid Motor Vehicle Safety Standard 571.116.

Use of hydraulic fluid such as standard aircraft MIL-H-5606 will cause the 415-33119 cup to swell and deteriorate, thereby leaving the main landing gear shock strut incapable of functioning properly.

If the cylinder requires cleaning prior to re-filling with new fluid, mineral spirits or trichloroethylene should be used. Dry completely prior to filling. Do not get any solvent on rubber absorbers or bumper.

Contact Univair with any questions or concerns regarding this service memorandum.

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