



Ercoupe MEMORANDUM

ERCOUPE
SERVICE
MEMORANDUM

No. **55**

**SUBJECT: Trim Tab Actuating Wire—
Inspection of**

This memorandum affects all Ercoupe airplanes having the elevator trim tab. Failure of the trim tab actuating wire (415-52070-33) directly in front of the tab control horn, has been reported. Failure in flight, of the wire, on either model 415C or 415CD, may cause the elevator to flutter. Flutter can be stopped by retarding the speed of the airplane, to approximately 60 M.P.H. Installation of a stop and spring, on the tab of Model E, prevents this flutter.

The trim wires should be inspected at the elevator end immediately, and at each 100 hours inspection. Should inspection of the wire reveal acute bends,

kinks, or corrosion, the wire should be replaced. At the same time, the wire swivel securing the wire to the trim tab, should be checked for binding. A swivel which does not move freely, will cause excessive bending and eventual failure of the wire.

Adjustment of the longitudinal trim tab is covered in Service Memoranda numbers 25, 35 and 38, for Ercoupe models 415-C, 415-CD, and 415-D, and Service Memorandum No. 35-A for Ercoupe Model E.

Care should be exercised in ground handling of the Ercoupe, not to push on the trim tab, as this is one source of kinks in the control wire.