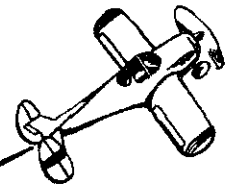


Ercoupe BULLETIN

SUBJECT: Control Column Inspection



January 12, 1979

SERVICE BULLETIN NO. 26

January 12, 1979
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CONTROL COLUMN INSPECTION

Subject: Dye penetrant inspection of control column tee for evidence of cracks.

Models effected: All Ercoupe 415-C, 415-CD, 415-D, 415-E, 415-F, 415-G aircraft.
All Forney F1 and F1A aircraft.

Compliance: Inspection required within the next ten hours of operation and every 5 years thereafter.

Procedure:

1. Inspect control column tee welds as follows to detect any cracks.
 - A. Remove any paint from control column tee area so that only Cadmium plated surface remains. See diagram for effected area.
 - B. Spray welded area at junction of cross tubes and vertical column with Turco Pre-Check (or equivalent) cleaner.
 - C. Wipe excess cleaner off and dry with a clean cloth.
 - D. Spray on red Turco Dy-Check (or equivalent) penetrant and allow to penetrate thoroughly. Time in this operation will vary from 2 to 20 minutes.
 - E. Apply Turco Remover #3 (or equivalent) followed by wiping with a clean cloth to remove surface residual penetrant dye.
 - F. Spray on Turco Dy-Check (or equivalent) Developer. A thin film should be allowed to remain, forming the drawing action necessary before reading. Normal time limits are from 2 to 10 minutes.
 - G. Examine area for defect formations being evidenced by red dye markings. The developer has remained as a white contrasting background for the red dye indications.
 - H. Remove developer with Stoddard Solvent or other commercial cleaner.



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Procedure continued;

2. If dye penetrant inspection reveals any cracks replace column with new or certified servicable used assembly part number 52118. Do not attempt field repair.
3. Complete proper log book entries.

NOTE: Turco Dye Penetrant inspection kits are available from Univair or any Turco dealer.

