

## **Fornaire Service Bulletin No. 109**

**Date:** February 4, 1960 **FAA APPROVED**

**SUBJECT:** Addition of Drain Holes, Concerning all Ercoupes, Aircoupes, and Fornairs Up To Serial No. 5714.

Problem:

It has been noticed that water can collect in the forward belly regions of the airplane, and that there is no provision for expelling the water to the outside. The trapped water (if acidic) can cause decay and corrosion to the belly structure. Trapped gasoline is another dangerous possibility. Tests have been made to find drain hole locations which will completely drain the problem area for all normal parking attitudes.

Recommendations For Correction:

- 1 Forney modification kit (FMK) #27 is available which consists of four (4) clam shell cover plates to be used in conjunction with the added drain holes.
- 2 The procedure for modification is as follows:
  - a. Remove the forward floor board from the airplane.
  - b. Remove the seat cushion and unscrew the seat bucket from the front beam (two screws in the center top) and two screws attaching the bucket bottom to the diagonal ribs of the center section. The bucket can now be lifted up, rotating on the rearward hinge.
  - c. Remove (if present) all soundproofing in the lowest belly regions as shown in Fig. 1.

Note: Tests have been conducted and the result of increased noise upon removal of soundproofing in these areas is negligible. Therefore, do not replace the soundproofing. This will enable unobstructed drainage and prevent water from being held by absorption into the soundproofing.
  - d. Locate and drill six (6) drain holes as per Fig. 2.
  - e. Install with AN470AD3-3 rivets (alternative cherry rivets #CR163-4-3) four (4) clam shell cover plates as located per Fig. 2, and shown in detail per Fig. 3.
  - f. Replace the seat bucket, cushion, and forward floor board.

