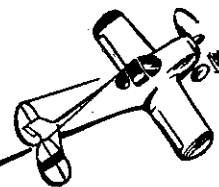


ERCOUPE
SERVICE
BULLETIN

No. **13**

Ercoupe BULLETIN

SUBJECT: Change of Aileron Control Stop



1. It has been found necessary to provide a more positive locking action on the aileron control stop.
2. A Star type lock washer AN936-B10 with external teeth should be installed between the jam nut which holds the aileron stop adjusting screw and its support.
3. This stop is located at the top of the control column, part number 415-52118, on the tube cross.
4. An inspection for correct aileron travel should be made following this change. This may be accomplished in the following manner:
 1. Depress tail and support plane with nose clear of ground.
 2. Rotate the control wheels fully to the left. Allow the right aileron to complete its down travel and return to 1½ in. from neutral. This measurement is made from the outboard trailing edge of the right center section to the inboard trailing edge of the right aileron. Do not force controls if resistance is encountered.
 3. Check to determine whether the top left turn-buckle is touching the sprocket of the left control wheel before the quadrant touches the left aileron stop.
 4. Check to see that rudder is still free of its stop. This may be done by shaking the left rudder while wheel is held fully over.
 5. If check (3) or (4) above indicates interference, adjust left rudder stop until it touches.
 6. Repeat items (2) through (5) to check right aileron stop, using the left aileron and right rudder.
5. In tightening the lock nut, care should be exercised to prevent over-tightening thereby stripping the thread in the support. If the thread is stripped or there is danger of it stripping, it should be backed up by placing a nut AN315-3R on the reverse side of the support plate.

ERCOUPE SERVICE BULLETIN No. **13A**

**SUBJECT: Supplement to Ercoupe Service Bulletin No. 13—
Change of Aileron Control Stop**

The following requirements are to be met when accomplishing the change of the Aileron Control Stop as outlined in Ercoupe Service Bulletin No. 13:

1. When installing the Star type lock washer in accordance with Service Bulletin No. 13, an additional lock nut AN315-3R must be added to the reverse side, or front of the aileron stop.
2. Welds on the aileron stop should be carefully inspected for cracks and insufficient weld area. There is a possibility that some stops were not welded across the ends.