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SERVICE BULLETIN

SB061-0901

Subject: Lancair IV & IV-P Gear Doors

Date: 18th September, 2001

Ref: Blueprint No. A-335

Pages: 1

Status: Recommended Modification

Background:

Lancair is recommending modifications to the gear door in an effort to stiffen the doors and a change in the slider location to improve the operation. The recommended slider thickness should be 1/4" instead of 1/8" previously used.

Action:

.25" SLIDER

If the gear doors have already been finished --Remove the .125" slider and the 4 bid that attaches the inboard side of the slider to the gear door.

For all installations -- Install the new .25" slider into position (see blueprint A-335 rev. B). A curve can be formed into the new slider to replace the composite ramp that allows the gear leg to transition onto the slider. Add a piece of foam or an aluminum tube of approximately one inch in the corner of the slider and the door. Cover with 5 bid that extends from the top of the slider, across the foam and down onto the door by 1" minimum.

DOOR EXTENSION

The manual calls for a 4 bid carbon reinforcement on the round part of the door where the tires retract. This remains the same but it is important to install the 4 bid after the wing root extension fairings have been installed. This 4 bid will reinforce the new outboard edge of the gear door that was added on and tends to flex. Full scale blueprints are available from Lancair at a small cost.