

KITPLANES FOR AFRICA

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SERVICE LETTER

AIRCRAFT EFFECTED: All models

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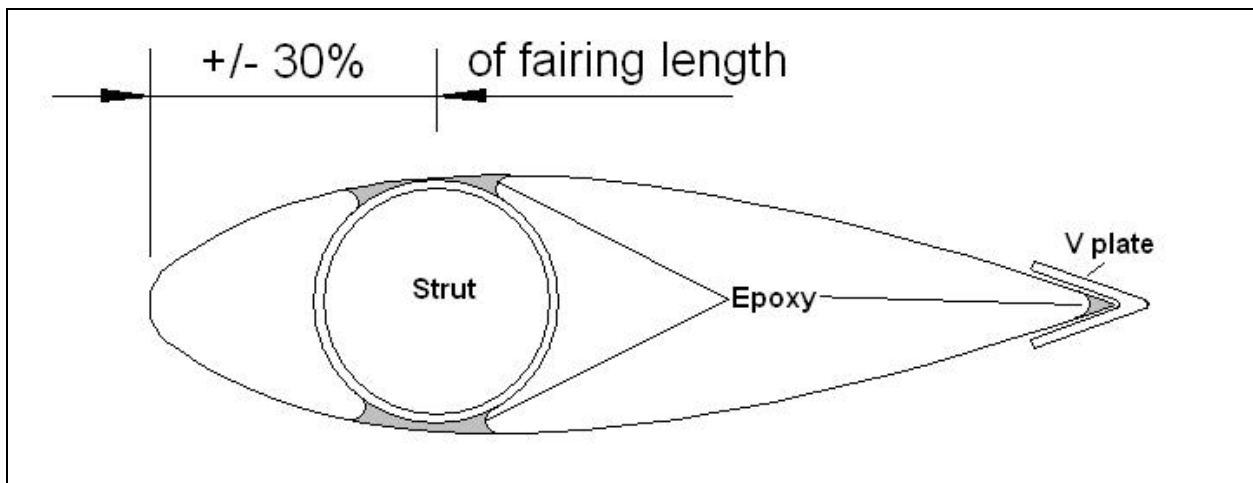
REVISION DATE: 21-11-08

SUBJECT: Fitting lift strut fairings.

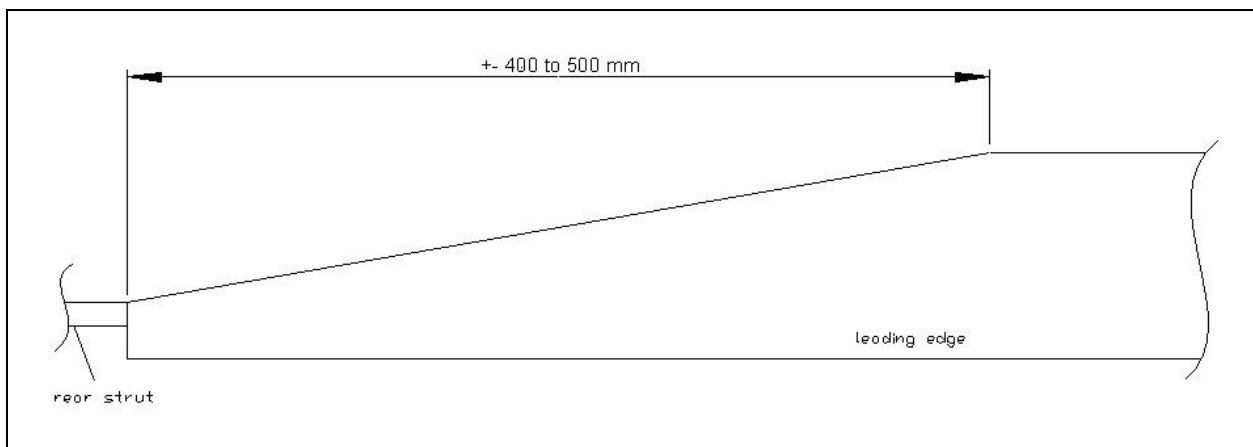
APPLICABILITY: All airframes

COMPLIANCE: Advisory

Overview: Streamlining as much of the airframe as possible will significantly improve general flight performance and fuel consumption.
KFA can supply moulded fibreglass wing lift strut and undercarriage fairings as an optional extra.
Outlined below is the procedure to fit the fairings to the wing lift struts.
Use a similar procedure to fit fairings to the inner landing gear brace tubes.
Cut strips from ABS sheet to fair the horizontal stab struts and the wing jury struts, fit in a similar way.



Tube fairing



Inboard, rear lift strut.

Procedure:

- Trim two sections to the length of the rear lift strut. Place the join at the jury strut bracket. The two sections can be butt joined with epoxy or fibreglass. An aluminium backing plate can be used
- Trim the chord of the fairing to between 100-125mm
- Bend enough aluminium v-plates to fit the length of the fairing.
- Draw a line 30% of the chord parallel to the fairing leading edge.
- Slide the fairing over the strut until the line is on the centre line of the strut tube, bend the trailing edge of the fairing together and slide the V plate over. The fairing should now have a nice uniform profile over the tube. Remove and apply epoxy to the fairing all along the tube line. Slip it back onto the strut and tape the v-plate in position. Let the epoxy cure.
- Take off the V plate and apply a bead of epoxy to the inside of the trailing edge. Apply some wax to the V plate so that the epoxy does not bind to the plate. Slip on and tape the V plate in position.
- Do the same on the front strut.
- At the bottom the front fairing will overlap the rear fairing. Trim as needed for the front fairing to blend into the rear fairing.

- Trim the rear fairing to allow the wings to fold.