

COMMONWEALTH OF AUSTRALIA

DEPARTMENT OF TRANSPORT

AIRWORTHINESS DIRECTIVE - GLIDERS

GFA/AD 102 EIRIAVION OY 9

M-18.

Glider Types Affected: Eiriavion PIK 20 and PIK 20B All Serial Nos.

Background:

During replacement of rudder cables fraying of the right hand rudder cable was traced to a fracture of the nylon tube fairlead. This was caused by the fitting of the landing gear operating control mechanism where spreading of the insert nut legs when tightening the attachment bolts applied pressure on the nylon tube. Fracture of the nylon tube led to fraying of the rudder cable.

This situation may exist in other gliders of the types listed.

Required Action:

Within 25 flying hours of receipt of this directive carry out the following.

1. Remove the landing gear operating mechanism situated on the right hand side cockpit wall and remove the upper fitting "Tucker" insert nut.
2. Inspect the nylon tube for fracture or indentation and clearance for the insert nut legs.
3. If the nylon tube is fractured or indented replace the cable with 7 x 7 x 3/32" dia. MIL-W-1511 cable. Clean out the nylon tube with compressed air before cable replacement.
4. When replacing the new insert nuts position the legs at 45° to the vertical to avoid further fractures.
5. If clearance between the insert nut and the nylon tube is inadequate the tube must be repositioned but keeping the line as straight as possible.

Compliance:

This directive is mandatory.

The Directive is issued pursuant to Air Navigation Regulations under the delegated authority of the Secretary of the Department of Transport.

Douglas Lyon

Douglas Lyon
CHIEF TECHNICAL OFFICER AIRWORTHINESS
GLIDING FEDERATION OF AUSTRALIA

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Distribution:

Owners of Pik 20 and Pik 20B
C.T.O./A and Ops
R.T.O./As
Department of Transport
A.T.O.
T.L.O.
Commercial Operators
Matti Puhakka