

GLIDING FEDERATION OF AUSTRALIA

AIRWORTHINESS DIRECTIVE GLIDERS:

GFA/AD 174 GROB 14
(TM 306-13)

GLIDER TYPES AFFECTED:

Astir CS from Serial number 1029 and Serial numbers 1001-1028 if inspection cover is included.
Astir CS77 from Serial Number 1601
Astir CS Jeans from Serial Number 2001

BACKGROUND:

The inspection cover which is secured with elastic cords could lift under suction and be pulled into the fuselage and jam the control mechanisms. Similar cases have been reported with other gliders.

ACTION:

The following action shall be taken -

1. Before each flight secure inspection cover with adhesive tape to stop cover from lifting.
2. By not later than 30th June 1980 install inside the inspection hatch, a safety catch as per following instructions:

INSTRUCTIONS

- a. Open inspection hatch and remove Key ring with elastic cords from the eye-hook underneath the cover.
- b. Install safety catch 93mm from the foremost edge of inspection hatch 90 degrees of longitudinal axis of fuselage. Bend ends of safety catch according to shape of fuselage and line up holes according to sketch.
- c. Before drilling the holes, make sure that the cover under no circumstances will slip through the inspection hatch behind the safety catch in direction of flight. Otherwise move position of holes back a further 2-3 mm. Safety catch must NOT fit under eyehook, otherwise the elastic cords could not be hooked on.
- d. Drill holes according to the safety catch using 4.2 mm drill. Take care when countersinking that edges are not broken.
- e. Line up everything and fasten safety catch with the screws suggested.
- f. Fasten Key ring on spring catch and put spring catch on eyehook of inspection cover.
(Cover can now be removed from elastic cords when rigging).
If, because of spring catch, elastic cords are too long, shorten then by making a knot.
- g. Enter up modification in log book.

SUMMARY:

The inspection cover is now secured with the safety catch against slipping into the fuselage. It is however, advisable prior to each flight to secure cover plate with two short adhesive tapes.

Accomplishment of actions a through g to be carried out by holder of 1109 authorised for approved modifications.

TOOLS REQUIRED:

1 drill 4.2 mm-diameter
1 90° countersink drill
1 Screwdriver
1 7 mm spanner
1 pair pliers

MATERIALS:

- 1 Safety catch (102-W2653)
- 2 Countersunk screws (M4x15 Din 963-58)
- 2 Washers (4.3 LN 9025)
- 2 Nuts (M4 LN 9348)
- 1 spring catch.

All materials are available from Laminar Pty. Ltd.
6 Margitich Street, Croydon Park. S.A. 5008

COMPLIANCE:

The requirements of this A.D. are mandatory. This Directive is issued pursuant to Air Navigation Regulations under Authority delegated by the Secretary of the Department of Transport.

Douglas Lyon

DOUGLAS LYON
CHIEF TECHNICAL OFFICER AIRWORTHINESS
GLIDING FEDERATION OF AUSTRALIA

Date of issue: 30th April, 1980

GFA/AD 174 GROB 14

FUSELAGE TOP

