

GFA AIRWORTHINESS DIRECTIVE

TYPE AFFECTED: All sailplanes designed by Grob including but not limited to:

Astir CS
Astir CS 77
Astir CS Jeans
Club Astir II
Standard Astir II
G 102 Club Astir III
G102 Club Astir IIIb
G 102 Standard Astir III
Speed Astir
Twin Astir
G 103 Twin II
Grob G 109
Grob G 109B

SUBJECT: Inspection of control surface hinges.

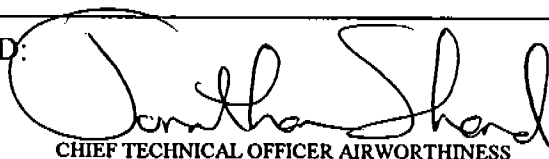
BACKGROUND: Grob gliders have a history of delamination of control surface hinges with both aileron and elevator hinges found to be delaminated. A number of factors could contribute to the delamination of the hinges including normal wear and tear, poor fitting wing walkers or trailer fittings and removal of the roll pins using a pin punch without using an adequate dolly behind the pins to absorb the impact.

This AD required reissuing because Issue 1 only required a once off inspection of the elevators and experience has shown that all hinges can fail in service and so must be inspected regularly.

DOCUMENTATION: Grob Service bulletin TM 306-27/1 and assorted defect reports.

ACTION REQUIRED: At each annual inspection all control surface hinges of the types shown in Figure 1 must be inspected for delamination. Special care should be taken to ensure any hairline cracks or bulges around the hinges are detected. Any defects must be repaired before next flight.

SIGNED:


CHIEF TECHNICAL OFFICER AIRWORTHINESS

For and on behalf of:

THE GLIDING FEDERATION
OF AUSTRALIA

**FIGURE 1 TYPICAL HINGE LAYOUTS**

WEIGHT AND BALANCE: Not affected

IMPLEMENTATION: Inspection of the hinges must be performed by persons rated for Annual Inspections FRP.

Any repairs must be performed by persons rated for Minor Repairs FRP.

COMPLIANCE: The requirements of this GFA Airworthiness Directive are mandatory. This Directive is issued pursuant to the Rules and Regulations of the Gliding Federation of Australia.