



THE GLIDING FEDERATION OF AUSTRALIA

BUILDING 130, WIRRAWAY ROAD, ESSENDON AIRPORT, VICTORIA 3041.

AIRWORTHINESS DIRECTIVE
GLIDER/POWERED SAILPLANE

GFA/AD 245

ROLLADEN SCHNEIDER 23

Issue 1

5.10.1982

Sheet 1 of 1

CANCELLED 3-10-2018
REFER TYPE CERTIFICATE HOLDERS WEBSITE

TYPE AFFECTED: Glider LS3-A (All Serial Nos)

SUBJECT: Amendments to Maintenance Manual.

BACKGROUND: Manufacturers Service Bulletin No. 3030 provides amendments to Maintenance Manuals.

REQUIREMENT: Exchange or add pages 0.2, 3.2, 4.3, 5.1, 13.6 dated 1.10.82 to the Maintenance Manual.
(Pages enclosed)

COMPLIANCE: The requirements of this Airworthiness Directives are mandatory. This Directive is issued pursuant to Air Navigation Regulations under the delegated authority of the Secretary of the Department of Aviation.

M. P. Burns

M.P. BURNS.
CHIEF TECHNICAL OFFICER AIRWORTHINESS
GLIDING FEDERATION OF AUSTRALIA.

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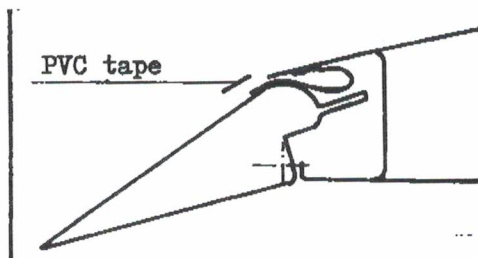
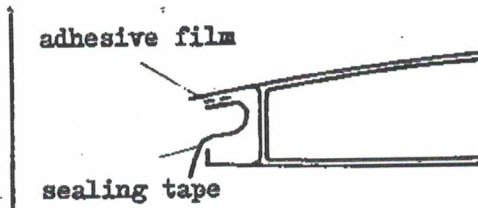
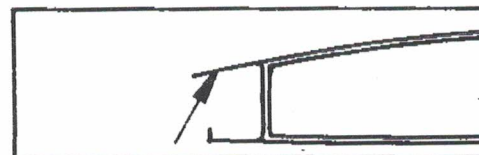
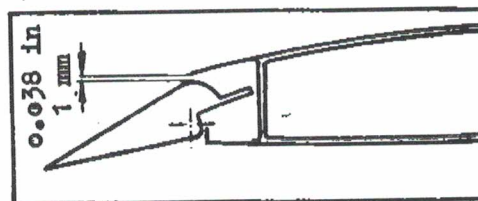
LUBRICATION SCHEDULE

Location	Frequency	Lubricant
1. Pins and matching holes of automatic couplings of flaps, divebrakes and elevator. Main pins and matching holes. Ball snap joints of ailerons.	Before assembly	Water insoluble bearing grease or Grease containing Molybdenum
2. Landing gear, all joints and at rubber bearings	Once a year	Oil
3. Landing gear, all metal parts	Once a year	Spray oil
4. Bearings on flaps automatic couplings	Once a year	Water insoluble bearing grease or
5. Dive brakes drive (bevel gear)	Once a year	Grease containing Molybdenum
6. Tow release	See	Spray oil
7. FAG-7H safety harness multiple-point buckle	Maintenance Instructions of Manufacturer	G 353- Aero Shell Grease 17

INSTALLATION OF INTERNAL SEALS FOR AILERONS AND FLAPS

The following items are necessary: 2 supports for horizontal wing position
2 supports for vertical wing position
Plain surface of 3.80 x 0.30 m (12.5 x 1.0 ft)
for control surfaces.

1. Gap between wing and control surface upper side must be at least 1 mm (0.038 in) wide in all positions. Enlarge smaller gap on wingside only using sanding paper grade 60 glued to 0.5 mm (0.020 in) thick sheet metal.
2. Mark rear edge of wing on upper side of control surface using soft pencil, when fully deflected downward. Take control surface off with two persons.
3. Roughen gluing area on inside upper rear wing edge using sanding paper grade 60. Round sharp edge slightly (sanding paper grade 180) and blow off dust.
4. Clean gluing area at rear inner edge and on sealing tape with lead-free petrol. Lay sealing tape on table and stick adhesive film edge flush to sealing tape edge.
5. Mark rear gluing edge inside rear wing edge as follows: 4 mm (0.157 in) forward of rear edge from tip to 1 m (3.28 ft) outside root rib, from there increase distance continuously to 10 mm (0.394 in) at root rib.
6. Pull masking tape off prepared sealing tape and glue to inside rear wing edge along marked line. Press gluing temporarily.
7. Clean leading edge of control surface behind marked rear edge of wing with acetone, and second side of sealing tape.
8. Stick adhesive film to leading edge of control surface flush behind marking line.
9. Mount control surface to wing and extend fully downward. Pull sealing tape out of gap, pull masking tape off and lay sealing tape on adhesive film avoiding bracing or lateral displacement. Press adhesive film area temporarily using roller.
10. Cut surplus sealing tape along rear edge of adhesive film using sharp knife and straight edge.
11. Mask rear edge of sealing tape with white PVC tape to avoid warping.



COMPONENTS LIFE / TBO

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1. C.G. release Tost Europa G73 : 36 months or 2000 starts)⁺
or Tost Europa G72
2. Nose release Tost E75 : 36 months or 2000 starts)⁺
or Tost E72
3. Safety harness Autoflug FAG-7H : 10 years from manufacturing date.)⁺
(Before 1980 manufactured safety
harnesses only 7 years)

)⁺ See also Maintenance and Operating Instructions of manufacturers.

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Recommendations to maintenance and care of gelcoat surfaces

according to paint manufacturer Lesonal's note dated 7.7.81

Suitable: Water with washing-up liquid added in recommended quantities, car polish with or without silicone.

Suitable with reservations: Tar remover based on petrol for cars. Alcohol, like spirit or isopropyl alcohol. Reservations are, that these liquids should only be used for wiping off, not for soaking with rags !

Unsuitable: Strong solvents and thinners, they may decompose gelcoat and cause local shrinking.

Completely unsuitable: Trichloroethylene, carbon tetrachloride or similar hydrocarbon chlorides. These liquids destroy the gelcoat.

Other mediums must be checked for suitability by Lesonal before use !

Warning : Sanded gelcoat shows distinctive weathering marks due to changes of temperature, ultra violet radiation and humidity unless regularly polished with hardwax.