## **BGA TECHNICAL COMMITTEE**

## TECHNICAL NEWSHEET 9/10/97

PART 1	Airworthiness "AGGRO" Please add to the 1997 Red Pages.
1.1	SLINGSBY T51 DART - (Metal Sparred Versions) the attached fax from Slingsbys is self -explanatory. A sample with corrosion between the bonded spars has been inspected both by SLINGSBY's and BGA. TI 109/T51 is attached. Compliance with TI 109/T51 must be reported to Slingsby's and BGA.
1.2	<u>UNSECURED BALLAST BAGS</u> in seats have caused minor injuries in two separate incidents. Club Safety Officers may wish to eliminate this hazard?
1.3	<u>PEGASUS</u> with rudder pedals adjusted fully forward, stiff plastic tubes on rudder cables jammed the aero-tow hook, thereby locking-up the winch hook as well. (A.J Dibdin Safety Officer, Cambs GC)
1.4	ASW 20 Elevator locking pins in L'Hotelier connector foul on the fin structure thereby jamming the elevator. (Cambs GC)
1.5	GROB G102 - Rear Release Cable can ride up between the instrument panel and panel coaming, thereby holding the hook open. (Cambs GC)
1.6	SLINGSBY VEGA excess play in the flaps caused by disbonding of several flap drive yokes, on the flaps. (Cambs GC)
1.7	DG505 TOW RELEASE CABLE departed from the pully beside the rear hook and jammed between the pulley and its housing. Could apply to DG500. (Tim MacFadyen). Manufacturer informed.
1.8	ASW 15B - AILERON MASS BALANCING. The max permitted trailing edge heavy moment is 120 Newtons (122 kg mm). If you have repainted your ASW 15, check balance the controls. (Tim MacFadyen, Bristol & Glos GC)
1.9	ASK 23 SERIES LBA A/D 97-244 (attached) increases the service life to 12000 hours subject to a multi-step inspections.
1.10	<u>JANTAR STD</u> Increase in static friction in aileron system caused by corrosion in bushes at aileron actuator.
1.11	<u>LIMBACH SERIES ENGINES IN SLMG'S</u> LBA A/D 97-237 (attached) require inspection for suspect floats in carburettors.

1.12		ROTAX 914 ENGINES A/D 90 (attached) requires inspection of banjo bolt in turbo charger line.				
1.13	ROTA gearb		ached) requires exchange of propeller			
1.14		AX 914 A/D 88 (att nment jet.	ached) requires verification of mixture			
1.15		<u>AEROMOT AMT - 200</u> (X - IMANGU SLMG) CAA A/D requires inspection of front horizontal stabilise bolt . (attached)				
1.16		XX 582/532 ENGIN tion gearboxes.	ES A/D 006 -03-90 (attached) concerns			
1.17	<u>PW5</u> (	PW5 the following service bulletins have been received.				
	a.	5/PW - 5/97 -	Modified Position of Static Pressure Transmitters.			
	b.	6/PW - 5/97 -	(MANDATORY) Check of Canopy Frame Profile Shape.			
	C.	7/PW - 5/97 -	Installation of New Canopy Jettisoning System. (Serial No's to 17/07/013 except 17/06/018).			

Copies from UK Agents - Joint Aviation Services - 01420 88664

#### **PART TWO GENERAL MATTERS**

- 2.1 <u>BGA Inspector Renewal</u> application forms have been sent to all currently listed. Please respond ASAP to ensure continuity of your insurance cover, and the provision of TNS's.
- 2.2 BGA C of A Renewal fees have been revised to £37.50
- 2.3 <u>GRP Hand Laminating Courses</u> are available at Southampton College (Marine Technology Centre) Hazel Road, Woolston, Southampton, SO19 7GA (01703 434005). (Reported by G E Brown).

<u>Dick Stratton</u> Chief Technical Officer



## TELEFAX TRANSMISSION

Kirkbymooralda, York Y06 6EZ, England

Tel: (017S1) 432474

Fax (01751) 441173

Telefax To:

c/o Irvin Aerospace Ltd

Date:

10.9.97

Attn: Dr Mike Woollard, Chairman BGA Technical Committee

Talefax No: 01462 482007

No of Pages:

2

(Inc First Page)

Telefax From: D W Goddard

SUBJECT:

SLINGSBY T51 DART SAILPLANES

Ref Your Fax: "Woollard to Goddard" dated 8: Sept 97"

Thank you for your fax referenced above. Slingsby have carried but investigative wolf into the possibility of T51 Dart spar corresion problems following notification by the CAA of the Olympia 460 accident.

A summary of our findings and recommendations is as follows:

- Your fax is incorrect in stating that Redux is not used on the Dart seliplate 1. The Dart has a similar spar construction to the Olympia 460 le al.al/plywdob sandwich structure, bonded together with Redux.
- The Olympia 460 failure occurred in the spar tang area not supported/bioteclet 2. by the wing skin/rib structure. The Olympia modification introduced several bolt assemblies through the tang assemblies thus affording additional support in the compression buckling mode of failure.

The Dart design has always had this additional support incorporated.

SAL representatives visited McLean Aviation at Sherburn in June of this year to 3. inspect a Dart sailplane.

Bob McLean was extremely helpful in making the sailplane available and removing areas of ply, etc., in order to inspect the spars.

No significant corrosion was found except where 'mouse pee' had caused led surface corrosion next to the nest.

This could have been cleaned off, blended in and reprotected.

The alreraft had been stored for 10 years in a dry trailer parked outside and was in excellent condition generally.

Contidi...

46-69-91 **54:** p T

 Slingsby also visited Lasham (Mike Fripp) to look at another Dart salidiane on 6th September 97.

This sallplane had been stored in a trailer outside and rain water had leaked inside adjacent to the LH wing airbrake box.

Subsequent inspection, involving removal of the plywood immediately above this laminated spar section revealed corrosion and delamination which was not visible when viewed externally or through the airbrake box.

The compsion/determination was present on both the LH (wet) and RH (div) wings.

#### 5. SAL RECOMMENDAT.I.ONS:

- (a) T.I. 58, dated May 1973 at Issue 1, is considered to be inadequate to inspection purposes.
- (b) SAL recommend grounding of the metal sparred T51 Dart fleet.
- (c) SAL will issue a new T.I. No.109/T51 which will supersede T.I.58

This T.I. will call up inspection of metal sparred Darts in accordance with revised inspection procedures.

The T.i. will address inspection, rectification action, advice for saliplane storage and feedback information.

Should you require any further information please do not hesitate to contact myself or Mr Michael Rutter (Airworthiness Co-ordinator).

Regards.

DW Goddard Chief Designer

cc W A Beven - CAA Gatwick

J Bevan

P Lewis ) SAL

M J Rutter

J C Bewley

E5:01 45/60/E



## TECHNICAL INSTRUCTION MILLINE

TI No.

109/T51

lesue No.

1

TITLE

INSPECTION OF DART 15/17M DURAL SPARS

CLASSIFICATION

This Service Bulletin has been classified by SAL as Essential

COMPLIANCE

Before next flight

THIS T.I. SUPERSEDES T.I. 58 IN ITS ENTIRETY

#### <u>APPLICABILITY:</u>

T51 Darts with metal spars.

The following Works Numbers are those Darts known to have wooden spars and are therefore not affected by this T.I.

1405, 1421, 1423, 1424, 1425, 1429, 1430, 1431, 1434, 1435, 1437, 1438, 1439, 1440, 1441, 1446, 1459.

#### INTRODUCTION

This T.I. introduces an inspection to Dart 15/17 metre sailplanes with the dural spar. For identification purposes, the dural spar measures 56mm (2.2") approx across at the root rib, top surface, less at the lower surface.

This inspection has been prompted following the findings of an investigation into cracks on the stbd wing. These particular cracks were in the glue joint of the spar/skin interface. These were seen when looking into the airbrake box.

The skin over the spar area was removed locally to investigate the extent of the cracks. A feeler gauge, .002" (.05mm) thick, was then run along the dural boom lamination joints. This action highlighted a clean delamination to a depth of approximately 3" (80mm). Further delamination was then found.

This particular wing had been subject to water leaking onto it whilst de-rigged in its trailer.

The port wing was then investigated for completeness and this too revealed delamination and corrosion at the interface of the dural plates.

(SSUED BY:

4-2/ B

SLINGSBY AVIATION Kirkbyinoorside, York YOS (11-2 Finitiand

let. Fax (01751) 432474 (01751) 431173 SAL1 (0) Slingsby co.uk Date

Page (

of 4



## TECHNICAL INSTRUCTION MALL

TI No.

109/751

Issue No. 1

TITLE

#### INSPECTION OF DART 15/17M DURAL SPARS

#### CONTINUED

#### **ACTION:**

- i) Carefully remove the ply skin from both wings, over the lower spar for the length of the airbrake box. Refer to Fig. 1.
  - ii) Carefully remove paint to expose root fitting joints.
- 2. Ensuring dural booms are not damaged, carefully clean away any "Redux" that may have spilt from the joints during manufacture.
- 3. With the aid of a feeler gauge, .002" (.05mm) check for integrity of all exposed joints for delamination/exfoliation corrosion (white powdering on the metal).
- 4. i) If delamination/corrosion found then inform SAL before proceeding with repairs.
  - Note: If T.I. 58 has been completed since 1st January 1997 and aircraft was found to be satisfactory para 4 ii) may not need to be carried out, continue as per para 5.
  - ii) If no delamination/corrosion found check for water contamination in other parts of the wing. This can be done by the use of an endoscope. Drill small holes (size to suit instrument) as required in root rib and 'D' box for access.
    - a) If water contamination/exfoliation corrosion is found remove skin over the appropriate area of spar and inspect as paras 3 & 4 i).

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- b) If no contamination/corrosion found refer para 5.
- 5. Should any doubt exist as to the integrity of the spar, remove the skin locally and inspect as para 3.
- Upon satisfactory inspection, repair skin, ensuring exposed areas of the metal spar are re-protected. Do not repair using acid hardener based glues. If in doubt contact SAL.

Ensure, following repair, drain holes are not blocked.

Approved: A	<u></u>	Date	!	Page	2	ot	4
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MIP 243/2



## TECHNICAL INSTRUCTION MILLION

TI No.

109/T51 Issue No.

1

TITLE

#### INSPECTION OF DART 15/17M DURAL SPARS

#### CONTINUED

- After care:
  - Ensure sailplane is not subject to water ingress, ie prolonged parking in rain or overnight in damp conditions. Minimise water traps and dry prior to hangaring/trailering.
  - ii) When stored in trailer ensure:
    - a) Trailer is in good repair.
    - b) Trailer is vented and dry.
- Prior to each flight following storage, ensure glider spar fittings and airbrake boxes are suitably protected and show no sign of corrosion or water contamination. Should corrosion/water contamination be present, carry out this inspection.
- Recording:
  - After satisfactory inspection annotate in Logbook "T.I.109/T51 carried out".

A record of a satisfactory inspection rescinds grounding of the Dart - Metal Sparred - Sailplane implemented 11th September 1997.

- ii) At each 5 year interval invoke this T.I. and upon satisfactory inspection annotate Logbook "T.I.109/T51 carried out".
- 9. On initial application of this T.I. please inform SAL of:
  - Your/Owner's name and address.
  - ii) Dart type, ie 15/17, metal/wood spar, retractable/fixed undercarriage, Wortmann wing, 15m to 17m conversion.
  - iii) Works Number, eg 1454.
  - iv) Certification authority registration.

For further information please contact SAL Product Support Department.

Approved: Date Page 3 of 4

ANGRAH AUCTON

CONTINUED

INSPECTION OF DART 15/17M DURAL SPARS 109/T51 tesue

SKIN REMOVED TO GAIN ACCESS TO LOWER SPAR DURAL DETAIL A INSPECT ROOT EFFEING JOINTS FOR DELAMINATION AIRBRAKE UNDERSIDE OF PORT WING AT THIS POINT INSERT 0.05mm FEELER GAUGE STBD SIMILAR DETAIL B REMOVE SKIN FROM THIS AREA FEATHERED EDGE DURAL BOOM DURAL BOOM WITH REMOVE BLUE VENEER EITHER SIDE SPAR WEB AIRBRAKE CAVITY SPAR WEB DURAL BOOM AIRBRAKE CAVITY DETAIL B DETAIL A

FIG. 1. INITIAL INSPECTION AREA

Page

Approved:



## Airworthiness Directive 97-244

# Luftfahrt-Bundesamt Airworthiness Directive Section Lilienthalplatz 6

Lilienthalplatz 6
38108 Braunschweig
Federal Republic of Germany

Effective Date: August 28, 1997

#### Schleicher

Affected:

Kind of aeronautical product:

Manufacturer:

Type:

Models affected:

Serial numbers affected: German Type Certificate No.: Sailplane

Schleicher, Poppenhausen, Germany

ASK 23 and ASK 23B ASK 23 and ASK 23B

all

353

#### Subject:

a) Amendment of the Maintenance Manual

b) Inspection Program to increase the service life

#### Reason:

The results of fatigue tests on fiber composite wings and wing spars have demonstrated that a service life of 12000 hours can be reached for these structural components. As the fatigue tests did not cover the entire (fiber composite) glider, the service life of 12000 hours can be granted only it the airworthiness of each individual glider (beyond the obligatory annual C of A Inspections) is demonstrated in a special multi-step inspection program for the purpose of increasing the service life.

#### Action:

Exchange of some pages into the Maintenance Manual.

#### Compliance:

- a) Prior at the next annual inspection, but not later than December 31, 1997
- b) Prior to reaching a total service life of 3000 flight hours respectively

#### Technical publication of the manufacturer:

Alexander Schleicher ASK 23 / ASK 23B Technical Note No. 12 dated June 16, 1997 which becomes herewith part of this AD and must be obtained from Messrs.:

Alexander Schleicher GmbH & Co. Segelflugzeugbau

D-36163 Poppenhausen

Federal Republik of Germany

#### Accomplishment and log book entry:

Action to be accomplished by an approved service station and to be checked and entered in the log book by a licensed inspector.



TOS 9/10/97

#### SAFETY REGULATION GROUP

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Our ref 9/97/CtAw/243

29 July 1997

LBA AIRWORTHINESS DIRECTIVE NO 97-237
LIMBACH L2000 AND L2400 SERIES ENGINES
LEAKING CARBURETTOR FLOATS BECAUSE OF MANUFACTURING ERRORS

This letter transmits a copy of the above referenced Airworthiness Directive for your attention.

The provisions of Article 9(7) of the Air Navigation Order (1995) as amended, are such that a Certificate of Airworthiness in respect of an aircraft registered in the United Kingdom will cease to be in force until any modification or inspection, being a modification or inspection required by the CAA is completed.

In accordance with Article 9(7) and Airworthiness Notice No. 36 the modification or inspection required by this Airworthiness Directive is mandatory for applicable aircraft on the UK Register.

IT IS RECOMMENDED THAT YOU FORWARD A COPY OF THIS AIRWORTHINESS DIRECTIVE TO THE ORGANISATION THAT MAINTAINS YOUR AIRCRAFT.

R J TEW

**Applications and Certification Section** 



### Airworthiness Directive

97-237

Luftfahrt-Bundesamt Airworthiness Directive Section Lilienthalplatz 6 38108 Braunschweig Federal Republic of Germany

Effective Date: 14 August 1997

Affected:

Kind of aeronautical product:

Manufacturer:

Limbach

Type:

Models affected:

Serial numbers affected:

German Type Certificate No.:

Piston Engine for Motorglider

Limbach Flugmotoren, Königswinter, Germany

L 1700, L 2000 and L 2400

L 1700, L 2000 and L 2400 all series and variants

all, equipped with carburetor floats with inspection numbers from 2339 to

2663 (see note 1)

4582, 4597 and 4607

Subject:

Leaking carburetor floats because of manufacturing errors.

Reason:

On carburetor floats installed and delivered by the manufacturer between 7 May 1996 and 30 April 1997, instances of leaking floats bodies were established. An investigation by the manufacturer revealed a manufacturing error of the floats produced in the mentioned period of time. The following action must be performed in order to prevent irregular engine operation and carburetor overflow.

#### Action:

- 1. Inspection of the carburetor if one of the affected floats is installed. This inspection must also be performed on carburetors where the presence of an affected float can not be impossible without any doubts.
- 2. Exchange of all affected carburetor floats with serviceable parts in accordance with Limbach Technical Bulletin No. 55, date of issue 20 May 1997.

#### Compliance:

For the actions listed, the following compliance times have been laid down:

- 1. Within the next 10 operating hours or within 1 month, whichever occurs first.
- 2. Before the next flight.

Technical publication of the manufacturer:

The Limbach Technical Bulletin No. 55, dated 20 May 1997, which becomes herewith part of this AD can be obtained from Messrs.:

Limbach Flugmotoren GmbH & Co. KG Kotthausener Str. 5 53639 Königswinter Germany Tel. 0049 2244 9201-0 Fax 0049 2244 9201-30

Note 1: The inspection number is engraved into the metallic portion or the carburetor float.

#### SAFETY REGULATION GROUP

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Our ref 9/97/CtAw/241

8 September 1997

#### AUSTRO CONTROL AIRWORTHINESS DIRECTIVE NO. 90 ROTAX 914 F SERIES ENGINES CHECK OF BANJO BOLT INSTALLED IN THE TURBO CHARGER PRESSURE OIL LINE

This letter transmits a copy of the above referenced Airworthiness Directive for your attention.

The provisions of Article 9(7) of the Air Navigation Order (1995) as amended, are such that a Certificate of Airworthiness in respect of an aircraft registered in the United Kingdom will cease to be in force until any modification or inspection, being a modification or inspection required by the CAA is completed.

In accordance with Article 9(7) and Airworthiness Notice No. 36 the modification or inspection required by this Airworthiness Directive is mandatory for applicable aircraft on the UK Register.

IT IS RECOMMENDED THAT YOU FORWARD A COPY OF THIS AIRWORTHINESS DIRECTIVE TO THE ORGANISATION THAT MAINTAINS YOUR AIRCRAFT.

RJTEW

Applications and Certification Section

#### Airworthiness Directive Nr. 90

#### Rotax 914 F-Series

1. Affected Engine: Rotax 912 F-Series, S/N 4,420.011 up to S/N 4,420.058 incl.

2. Subject: Check of the banjo bolt Rotax P/N 941 782 installed in the turbo

charger pressure oil line.

3. Reason: The Manufacturer Bombardier Rotax has been discovered that a

banjo bolt with built-in orifice instead of the banjo bolt with valve

seat (P/N 941 782) wasinstalled in the pressure oil line of the turbo

charger.

4. Action: All affected Rotax 914 F-Series must comply with the actions

required by Bombardier Rotax Technical Bulletin Nr. 914-04 issued

27. August 1997, which becomes herewith part of this AD.

5. Compliance: Before next flight

6. Accomplishment: The required action has to be accomplished by the manufacturer, or

through an approved service center or by a licensed/qualified

person. An entry into the aircraft/engine Log has to be done.

#### SAFETY REGULATION GROUP

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Our ref 9/97/CtAw/241

12 August 1997

AUSTRO CONTROL AIRWORTHINESS DIRECTIVE NO 89 ROTAX 912 A3 ENGINES EXCHANGE OF PROPELLER GEARBOX

This letter transmits a copy of the above referenced Airworthiness Directive for your attention.

The provisions of Article 9(7) of the Air Navigation Order (1995) as amended, are such that a Certificate of Airworthiness in respect of an aircrast registered in the United Kingdom will cease to be in force until any modification or inspection, being a modification or inspection required by the CAA is completed.

In accordance with Article 9(7) and Airworthiness Notice No. 36 the modification or inspection required by this Airworthiness Directive is mandatory for applicable aircraft on the UK Register.

IT IS RECOMMENDED THAT YOU FORWARD A COPY OF THIS AIRWORTHINESS DIRECTIVE TO THE ORGANISATION THAT MAINTAINS YOUR AIRCRAFT.

W R TROWELL

Applications and Certification Section

#### Airworthiness Directive Nr. 89

#### Rotax 912 A3

1. Affected Engine:

Rotax 912 A3, S/N 4,076.065 up to S/N 4,380.663 equipped with a hydraulic

constant speed propeller

2. Subject:

Exchange of propeller gearbox

3. Reason:

The friction torque of the propeller shaft could be beyond the designated values

4. Action:

All affected Rotax 912 A3 must comply with the actions required by Bombardier Rotax Technical Bulletin Nr. 912-19 issued 30. June 1997, which becomes herewith

part of this AD

5. Compliance:

Part I:

Before next flight

Part II:

At the next 100 hours inspection

6. Accomplishment:

The required action has to be accomplished by the manufacturer, or through an approved service center or by a licensed/qualified person. An entry into the

aircraft/engine Log has to be done

#### SAFETY REGULATION GROUP

Aviation House Gatwick Airport South West Sussex RH6 0YR UNITED KINGDOM

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Our ref 9/97/CtAw/241

23 July 1997

#### AUSTRO CONTROL AIRWORTHINESS DIRECTIVE NO 88 ROTAX 914 F SERIES ENGINES VERIFICATION OR CALIBRATION OF THE MIXTURE ENRICHMENT JET

This letter transmits a copy of the above referenced Airworthiness Directive for your attention.

The provisions of Article 9(7) of the Air Navigation Order (1995) as amended, are such that a Certificate of Airworthiness in respect of an aircraft registered in the United Kingdom will cease to be in force until any modification or inspection, being a modification or inspection required by the CAA is completed.

In accordance with Article 9(7) and Airworthiness Notice No. 36 the modification or inspection required by this Airworthiness Directive is mandatory for applicable aircraft on the UK Register.

IT IS RECOMMENDED THAT YOU FORWARD A COPY OF THIS AIRWORTHINESS DIRECTIVE TO THE ORGANISATION THAT MAINTAINS YOUR AIRCRAFT.

**RJTEW** 

Applications and Certification Section





Lufttüchtigkeitsanweisung Nr. 88

Flugmotore
Rotax 914 F-Serie

Geschäftszahl: FL 206-1/01-97

Kennzeichen: 0E- ----
Blatt Zl. - 1 - Blatt - 1 -

Österreichische Gesellschaft für Zivilluftfahrt mbH

Rotax 914 F-Serie, WerkNr. 4,420.002 bis einschließlich 4,420.029 und

WerkNr. 4,420.032 bis einschließlich 4,420.044

2. Gegenstand:

Kontrolle beziehungsweise Kalibrierung der Gemischanreicherungsdüse

3. Anlaß:

1. Betreff:

Bei schlecht eingestellter Druckentnahmebohrung der Anreicherungsdüse kann es bei Take-Off Leistung zu einer zu mageren Gemischbildung und in der Folge zu Motorschäden kommen

4. Maßnahmen:

Für alle im Betreff angeführten Motore Rotax 914 F-Serie sind die Maßnahmen der Technischen Mitteilung Nr. 914-03 der Firma Bombardier-Rotax vom 03. Juli 1997 anzuwenden und werden Bestandteil dieser Lufttüchtigkeitsanweisung

5. Dringlichkeit:

Vor dem nächsten Flug

6. Durchführung:

Die Maßnahmen sind vom Hersteller, von authorisierten Betrieben oder Personen mit entsprechender luftfahrtbehördlicher Berechtigung durchzuführen und im Bordbuch ( Engine Logbuch ) zu bescheinigen

Bearbeiter: Ing. Springenfels

Datum: 09. Juli 1997



#### Airworthiness Directive Nr. 88

#### Rotax 914 F-Series

1. Affected Engine:

Rotax 914 F-Series, S/N 4,420.002 up to S/N 4,420.029 and

S/N 4,420.032 up to S/N 4,420.044

2. Subject:

Verification or calibration of the mixture enrichment jet

3. Reason:

The pressure control bore of the mixture enrichment jet could be badly positioned, resulting in a too lean mixture at take-off performance, which could cause engine damage

4. Action:

All affected Rotax 914 F-Series must comply with the actions required by Bombardier Rotax Technical Bulletin Nr. 914-03 issued 03. July 1997, which becomes herewith part of this AD

5. Compliance:

Before next flight

6. Accomplishment:

The required action has to be accomplished by the manufacturer, or through an approved service center or by a licensed/qualified person. An entry into the aircraft/engine Log has to be done

f f





lssue 2 August 1997

#### **AEROMOT AMT-200 MOTORGLIDERS**

#### PART 1 - DEPARTAMENTO DE AVIACO CIVIL AIRWORTHINESS DIRECTIVES

DAC AD No.	Description	Applicability – Compliance – Requirement
97-04-02	Replacement flexible hoses.	Applicable to AMT–200 motorgliders serial numbers 200.046 through 200.066. Compliance required as detailed in AD. Aeromot Service Bulletin 200.079.036 also refers.
97-07-01	Inspection of the front horizontal stabilizer bolt.	Applicable to AMT-200 motorgliders serial numbers 200.057, .058, .059, .063, .065, .066, .071 and .072. Compliance required as detailed in AD. Aeromot Alert Service Bulletin 100-53-042 also refers.

Page 2

ROTAX 582/532

PART 2 - CAA ADDITIONAL AIRWORTHINESS DIRECTIVES

CAA AD No.

Description

Applicability - Compliance - Requirement

006-03-90

Failure of crankcase/gearbox thread bosses.

Applicable to Bombardier-Rotax 582 engines and 532 engines with Serial Nos. as detailed in Bombardier-Rotax Mandatory Technical Bulletin reference TCP 900228/0720/FJ and Cyclone Hovercraft letter dated 1 March 1990, that have a reduction gearbox installed with the propeller shaft offset towards the cylinder. Compliance is required before further flight.

Establish total number of engine operating hours. Engines exceeding 20 hours total time must be modified in accordance with Bombardier-Rotax Mandatory Technical Bulletin reference TCP 900228/0720/FJ before further flight. Engines which have not accumulated a total time of 20 hours may be operated up to that figure.



The British Gliding Association Ltd. Registered No. 422605 England Registered Office as address

Secretary: Barry Rolfe

Kimberley House, Vaughan Way, Leicester LE1 4SE Telephone 0116 2531051 Facsimile 0116 2515939 E-mail Bgahq@aol.com

## **British Gliding Association**

SEPTEMBER 1997

TO: ALL INSPECTORS

Renewal for your inspection approval for 1997/98 is due from 1st October and the annual fee is £17.50. Please complete and return the form below together with your cheque for renewal as soon as possible.

THE ANNUAL FEE INCLUDES YOUR COLIABILITY INSURANCE COVER.			
		.=======	
FULL NAME	***************************************	***************************************	******************************
ADDRESS	***************************************		***************************************
		***************	******************************
HAS YOUR ADDRESS CHANGED IN TI	HE LAST 12 MO	ONTHS.	YES/NO
TEL: (H)	(W)	******************	********************
BGA INSPECTION NUMBER I/	/	RATING	S
PFA INSPECTION NUMBER	************************		••••••••••
CAA LICENCE NUMBER	***************************************	*****************************	
CATEGORY	******************************	*******************	GROUP/TYPE
I enclose inspection approval fee for 1997,	/98		£17.50
Please send the items ticked below:-			
Technical Procedure Manual		£ 2.25	
Standard Repairs to Gliders		£ 5.00	************
Aircraft Inspection & Repair EA-AC 43.13	3	£19.95	*********
267 Forms (inspection pads)		£.7.15	******
CHEQUE ENCLOSED FOR TOTAL OF			£
SIGNED	DAT	E	
	Patron	HRH The Duk	e of Edinburgh KG
	Vice Presidents	Christopher R	Simpson MA LLM

HRH The Duke of Edinburgh KG Christopher R Simpson MA LLM Roger Q Barrett Tom Zealley BA PhD Ben Watson MA FCA Bill Walker MP

Air Vice Marshal Don Spottiswood CB CVO AFC MA

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