

RotorSport UK Ltd Service Bulletin (Permit)

Title: Calidus 15A compressor fuse		
SB-122 Iss1	Related documents Modification: MC-364 CCAR No.: None	Compliance Category: OPTIONAL or RECOMMENDED or MANDATORY
Applicability		
Aircraft type & model: Calidus	Aircraft serial Nos. affected: Strongly recommended for RSUK/CALS/031 and RSUK/CALS/032. Recommended for all other Calidus	
The maintenance manual to be referenced is this stated or subsequent issue.		RSUK0061 Iss: 6
<p>This form is the response from RotorSport UK Ltd either against a problem found in the product in service requiring a containment or rectification action, or as service information for aircraft modification incorporation. For help, contact RotorSport on 44(0)1588 505060, or email compliance@rotorsport.org.</p> <p>The technical content of this document is approved under the authority of the UK CAA Design Organisation Approval Ref: DAI/9917/06</p>		

Documentation (Service Bulletin Completion action)

- a) Entries within the aircraft logbooks, eg CAA BCAR A3-7 Authorised Person to certify that the work is completed by writing '*SB-122 Calidus 15A compressor fuse incorporated*' in the aircraft logbook white pages, and record the action in the pink pages entitled 'Aircraft Modifications'. Both entries must be signed by the CAA Authorised Person together with their CAA Authorisation number.
- b) Completion of an SB worksheet (attached) This must contain a PMR statement, and a final check item that no tools or equipment have been left within the aircraft)
- c) No Type Approval change application document required. (This is required where the SB will affect the type approval limitations, eg airspeed change or MTOW change and enables the owner to request the permit change required)
- d) Any other Permit Maintenance Release to Service form requirements.

Document approval signatures			
Engineering Manager	CVE (as required) Not required as MC-364 approved	Chief Test Pilot (if flight performance or safety effect) Not required as MC-364 approved	Head of Airworthiness

RotorSport UK Ltd Service Bulletin (Permit)

Reason and overview of the Service Bulletin (cause of problem if known)

Production quality control checks have determined that variability in the momentary (less than 0,5seconds) current required to start the air compressor could be in excess of the circuit 10A fuse, causing it to blow. Whilst there have been no recorded fuse blows in service, this bulletin highlights this potential and provides a preventative service fix.

Manpower estimates

Accomplishment of this Service Bulletin requires the following personnel

- (i) A3-7 Authorised engineer or qualified gyroplane pilot

Estimated man-hours to complete the task as a stand-alone item are; 0.1hour

Tooling required

None

Weight and Balance Effects

None

Manuals affected

POH RSUK0060 and AMM RSUK0061 amended to recognise the new fuse rating.

Previous Modifications that affect the SB

None

Accomplishment instructions (Action required to implement this bulletin):

Effective date of this SB is 28.02.17. See Auto-Gyro Service Bulletin AG-SB-2017-02-C-EN attached.

There is no relevant MPD or other outside body documentation to be referenced.

Instructions

1. Ensure master switch is off
2. Identify the Compressor fuse
3. Remove the 10A fuse for the compressor from the slot.
4. Insert the 15A fuse into the compressor slot
5. Use the Trim/Brake system in the normal way to check compressor function

Material information (Parts required to be made to implement this service bulletin):

No parts manufactured during embodiment

List of components (with purchasable part nos)

24-00-00-S-22681 (L0) Fuse 15A

RotorSport UK Ltd Service Bulletin (Permit)

Interchangeability

Fuses are standard replacement/consumable parts

Parts disposition

- a) Disposal requirements – N/A
- b) Environmental hazards of parts containing hazardous materials – N/A
- c) Scrap requirements (eg mutilate scrapped items beyond use) – N/A

RotorSport UK Ltd Service Bulletin (Permit)

Service Bulletin implementation Worksheet			
Aircraft type: Calidus	Serial no:	G-	
Worksheet completed by:		Document ref: SB-122 iss 1	
Worksheet cross-checked by (if applicable):			
Purpose – record service bulletin implementation actions taken to inspect aircraft and return to service.			
Maintenance manual referred-to and issue level:		RSUK0061 Iss6 or later	
Note: attach SB sheets to this document			
Task	Notes	Eng'r check/date	Inspector check/date
Confirm master switch off			
Replace 10A fuse with 15A fuse			
Check function of compressor			
Customer acceptance:			
Name:		Aircraft hobbs meter reading:	
Signature/date:		Confirm logbooks annotated:	
Permit Maintenance Release:			
<i>'The work recorded above has been completed to my satisfaction and in that respect the aircraft is considered fit for flight. I confirm that no tools, equipment or debris have been left in the aircraft'</i>			
Engineer signature and date:		Location where work completed	
CAA PMR Authorisation ref :			
Alternatively, Pilot signature and date:			
Pilots Licence number:			

AG-SB-2017-02-C-EN – Calidus compressor fuse

Category C

EFFECTIVE DATE

28.02.2017

SUPERSEDES/REPLACES

N/A (initial issue)

APPLICABILITY

This Service Bulletin is applicable for Calidus from serial number C00438 onwards or if a new compressor has been installed as a part of a repair or maintenance operation from 2017 onwards. Recommended for Calidus of all years of construction.

COMPLIANCE

To be performed within the next 5 operating hours.

BACKGROUND

Production quality control checks have determined that variability in the current required to start the compressor could be in excess of the circuit 10A fuse, causing it to blow. Whilst there have been no recorded fuse blows in service, this bulletin highlights this potential and provides a preventative service fix.

RISK OF NEGLECT

Failure to comply with this instruction/information will result in:

- Loss of related warranty.

SCOPE OF WORK

- Replacing the 10A fuse for the compressor with a 15A fuse.

AFFECTED AREAS

SPECIAL TOOLS & CONSUMABLE MATERIALS

n / a

PARTS

24-00-00-S-22681 (L0) Fuse 15A

LABOR AND REQUIREMENTS

To accomplish 0,1 h

This is a pilot or owner task.

Contact & Info:

airworthiness@auto-gyro.com
www.auto-gyro.com

AutoGyro GmbH

Dornierstr. 14
31137 Hildesheim

SUPPORT POLICY

n / a

REFERENCES

Manufacturer Maintenance Manual (MMM) in latest revision.

DOCUMENTATION

The accomplishment of this Service Bulletin, or the decision of its rejection, must be properly documented, if such procedure is required by the relevant authority.

Warnings Caution and Notes

This instruction uses **WARNINGS**, **CAUTIONS** and **NOTES** in bold italic letters to indicate especially critical and important instructions. The call-outs appear at the top of the Maintenance Job Card if of general nature or applicable for the complete task, or will directly precede the individual Work Step.

The meaning of each call-out is defined below:

WARNING: A warning means that the neglect of the appropriate procedure or condition could result in personal injury or fatal accidents.

CAUTION: A caution means that the neglect of the appropriate procedure or condition could result in damage to or destruction of equipment.

NOTE: A note stresses the attention for a special circumstance, which is essential to emphasize.

Category Codes

- A** Safety critical - failure to comply may result in a significant reduction of flight safety, injury or death
- B** Important - failure to comply may result in reduced safety margin, injury and/or equipment damage
- C** Beneficial - improves operating behaviour, reliability and/or maintainability

Contact & Info:

airworthiness@auto-gyro.com
www.auto-gyro.com

AutoGyro GmbH
Dornierstr. 14
31137 Hildesheim

COMPLIANCE PROCEDURE

GENERAL, REFERENCES AND REQUIREMENTS

Task may be performed by the pilot, owner or operator.

Record that the task has been undertaken within the aircraft maintenance records.

Secure gyroplane against unauthorized or unintended operation.

Execute procedure only with a cold engine condition.

SPECIAL TOOLS, CONSUMABLE MATERIALS AND PARTS

SP IMPORTANT NOTE: Procedure involves spare parts. Check parts list below for ordering details of affected components!

24-00-00-S-22681 (L0) Fuse 15A

PRECAUTIONS AND SAFETY MEASURES

CAUTION: Failure to comply with this instruction will cause the loss of warranty!

PROCEDURES

- 1 Remove the 10A fuse for the compressor from the slot.
- 2 Insert the 15A fuse into the compressor slot

PARTS LIST

Fig.	Pos.	Description	PC	PIT	Remark
2		Fuse 15A	1	22681	

ILLUSTRATIONS



Fig. 1: 10A Fuse Compressor



Fig. 2: 15A Fuse Compressor

Contact & Info: airworthiness@auto-gyro.com www.auto-gyro.com	AutoGyro GmbH Dornierstr. 14 31137 Hildesheim
--	--