

RotorSport UK Ltd

Poplar Farm, Prolley Moor, Wentnor, Bishops Castle, Shropshire, SY9 5EJ

Service Information Letter

SIL- 021

Issue: 1

Dated: 21.03.18

CCAR no: None

The purpose of this document is to communicate information that may be of benefit to pilot owners of RotorSport aircraft. If there is any clarification required of the content of the letter, contact RSUK on 44(0)1588 505060, or email info@rotorsport.org. Document completed iaw BP 2.20.

Aircraft type & model applicability:

Aircraft serial numbers affected:

MT-03, MTOS, Calidus, Cavalon

Any UK-registered RSUK gyroplane fitted (or retro-fitted) with digital ASI or altimeter.

Subject: Software Upgrade for Digital ASI and Altimeter

Safety effect:

Upgrade will improve clarity of display

Weight and CG effect:

No effect

Background:

The digital ASI and altimeter introduced by RSUK in late-2016 (modification MC-350) have now been improved by a change in software that results in a clearer display. It is recommended that owners have the instruments' software upgraded to the new display format.

Discussion:

The digital instruments were originally introduced under modification MC-350. The software upgrade was approved by RSUK under modification MC-350 Issue 3.

A Service Bulletin is not required as no aircraft hardware changes are made. This is an improvement within a device.

Recommendation:

Owners of affected UK-aircraft should contact AutoGyro UK at Wolverhampton Business Airport and arrange for either upgrade of the instruments as fitted to the aircraft, or service exchange of new-for-old instruments for local replacement by any appropriately authorised engineer.

There is no charge for the software upgrade itself but any labour costs in removing/replacing instruments must be met by the Owner

Auto-Gyro UK telephone 01384 221775 (David Clarke)

Auto-Gyro UK email info@auto-gyro.co.uk

References:

Further detail is provided in Auto-Gyro Service Information Letter AG-SIL-2018-01-B-EN which is embedded at the end of this document

Approval Statement:






'The technical content of this document is approved under the authority of the UK CAA Design Organisation Approval Ref: DAI/9917/06'

Effect on Pilots Handbook or Maintenance Manual:

Manuals to be updated with new images in due course.

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Aircraft type & model applicability:		Aircraft serial numbers affected:	
MT-03, MTOS, Calidus, Cavalon		Any UK-registered RSUK gyroplane fitted (or retro-fitted) with digital ASI or altimeter.	
SIL authorised by:			
Quality Conformance Manager	Engineering Manager	Chief Test Pilot (if flight performance or safety effect)	Head of Airworthiness or CVE (where required)
Name: G Speich Signature and date:  <small>G. Speich Mar 21 2018 3:16 PM</small> 	Name: G Shaw Signature and date:  <small>Graham Shaw Mar 21 2018 3:14 PM</small> 	Not required	Name: Signature and date:  26 March 2018

Service Information Letter



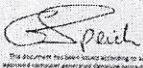

Title: Software Upgrade digital ASI and ALTI		
AG-SIL-2018-01-B-EN		Compliance Category:
Applicability		A – MANDATORY B – RECOMMENDED C – OPTIONAL
Aircraft type & model: Any AutoGyro type, fitted with digital ASI (Software Version 2.16 and older) and ALTI (Software Version 2.12 and older)	Betroffene Werknummern: Any AutoGyro type, fitted with digital ASI (Software Version 2.16 and older) and ALTI (Software Version 2.12 and older)	
The maintenance manual to be referenced is this stated or subsequent issue.		As per AutoGyro website
This form is the response from AutoGyro GmbH 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 AutoGyro on 49(0)5121 88056-00, or email airworthiness@auto-gyro.com .		

Documentation (Service Information Letter Completion action)

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

Category Codes

A – Mandatory – failure to comply result in a significant reduction of flight safety, injury or death
 B – Recommended – failure to comply may result in reduced safety margin, injury and/or equipment damage
 C - Optional – improves operating behavior, reliability and/or maintainability

Chief Certification Officer	Chief Technical Officer
 G. Speich Mar 14 2018 2:12 PM <small>The document has been signed according to an approved electronic signature procedure</small> DocuSign	 15.03.2018

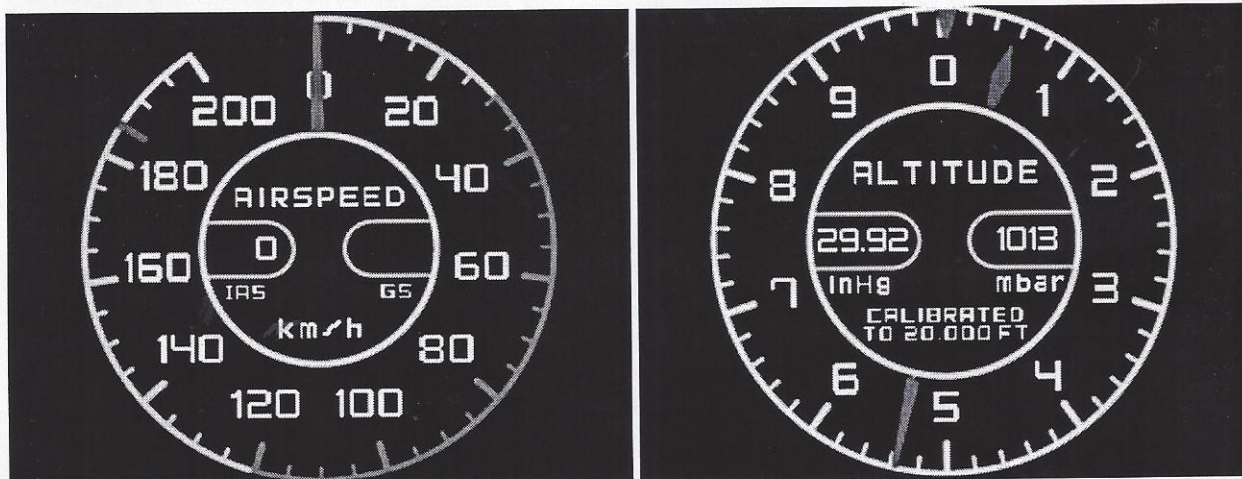
Contact & Info: airworthiness@auto-gyro.com www.auto-gyro.com	AutoGyro GmbH Dornierstr. 14 31137 Hildesheim
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Service Information Letter

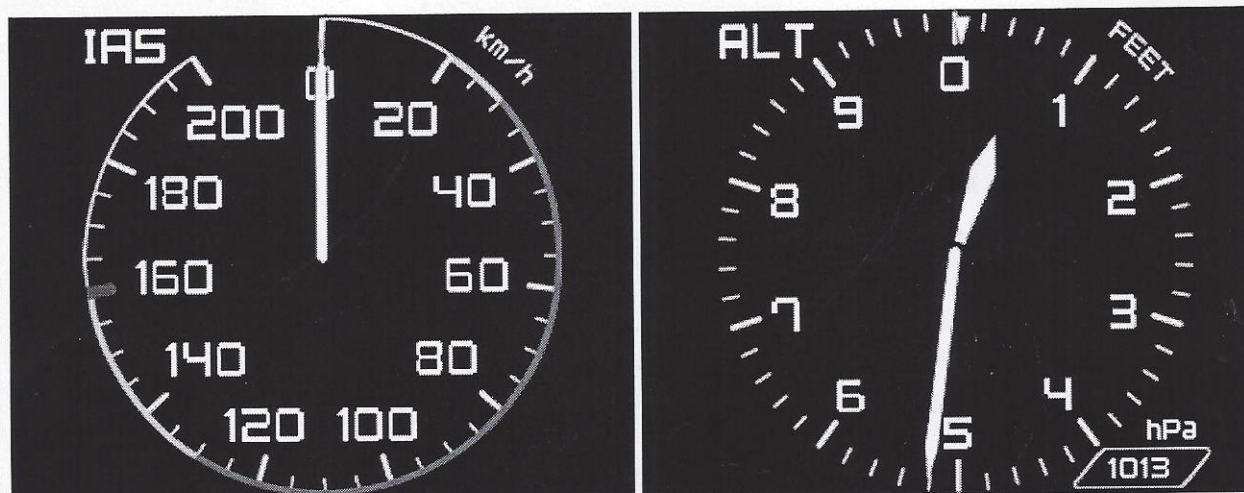
Reason and overview of the Service Information Letter (cause of problem if known)

AutoGyro has listened to market feedback regarding the visual appearance of instrument displays, and of the device reliability. The company decided to offer an upgrade to owners that makes the devices easier to read in different lighting conditions, and improves the operational reliability. Any device with a display as shown below may be upgraded to software level 2.17.

Original instrument display



New instrument display



Service Information Letter



The software upgrade may only be undertaken by one of the three authorized hubs.

AG USA for America,
AutoGyro USA Inc
Recipient: Terri Rose
210 Airport RD
Stevensville, MD 21666 US

AG China for China,
AutoGyro China Holding Co., Ltd.
Recipient: Lyvia Lu
Rm. 2207, Floor 22, Shenzhen Developmental Center,
Renmin South Road No. 2010, Luohu District, Shenzhen City, PRC. Post Code 51800

AG GmbH for all other markets
AutoGyro GmbH
Abt. Technischer Support
Dornierstraße 14
31137 Hildesheim

The upgrade of the two devices is offered as a free service. Removal from the aircraft, postage to the hub and re-fitment is the responsibility of the owner.

Manpower estimates

Removal and re-fitment time of the devices depends if the instrument panel is removed. Typically without removing the panel this takes 10-15mins.

Tooling required

none

Weight and Balance Effects

No effect

Manuals affected

POH AutoGyro and MMM AutoGyro are not affected.

Previous Modifications that affect the SIL

None

Accomplishment instructions (Action required to implement this service information letter):

Effective date of this SIL is 2nd March 2018

Contact & Info:
airworthiness@auto-gyro.com
www.auto-gyro.com

AutoGyro GmbH
Dornierstr. 14
31137 Hildesheim



Service Information Letter

Instructions

Removal and re-fitment of these devices is within the normal Aircraft Maintenance Manual limitations.

Removal from the aircraft, postage to the hub in properly package and re-fitment is the responsibility of the owner (AutoGyro is not responsible to repair poorly packed equipment).

Each unit returned to a hub must be labeled clearly with the owners name and return address, and an incident report form to enable the hub to track the devices.

After re-fitment the appropriate checks must be made to ensure the integrity of the pitot static system, and of correct device function, as per the aircraft AMM and regulatory requirements. Refer also to the instruction leaflet included with the devices.

The upgrade to the software level may, in some markets, require a Modification Approval and require to be noted within the aircraft logbook. It is for the owner/operator to ascertain and apply accordingly.

List of components (with purchasable part nos)

31-10-00-S-42739 Altitude by AutoGyro
31-10-00-S-42740 Airspeed by AutoGyro

Interchangeability

Not affected

Parts disposition

- a) Disposal requirements – Normal waste
- b) Environmental hazards of parts containing hazardous materials - None
- c) Scrap requirements (e.g. mutilate scrapped items beyond use) – Not applicable

Contact & Info:
airworthiness@auto-gyro.com
www.auto-gyro.com

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