

Title: Rotor System Inspection & Life-Limit Amendment		
AG-SB-2021-05-A-EN	Effective Date: 19.08.2021	Compliance Category:
Applicability		A - MANDATORY
Aircraft type & model: All AutoGyro models	Affected Serial number(s): All AutoGyro models	B – RECOMMENDED
		C – OPTIONAL
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 airworthiness@auto-gyro.com .		

Documentation (Service Bulletin Completion action)

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

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
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Contact & Info: airworthiness@auto-gyro.com www.auto-gyro.com	AutoGyro GmbH Dornierstr. 14 31137 Hildesheim
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Reason and overview of the Service Bulletin (cause of problem if known)

After recent consultation with various world-wide airworthiness authorities, AutoGyro have decided to revise the safe life limit of Rotor System I rotor assemblies, and to standardise the ongoing inspection intervals for our Rotor Systems worldwide.

This SB provides information on the new inspection periods and life-limits for all rotor systems.

Manpower estimates

The task may only be performed by an organization or individual entitled and trained to carry out the specified level of maintenance on AutoGyro aircraft.

Estimated man-hours to complete the task is:

Inspection:	Not applicable – included in the 25/100hr/12month maintenance schedule.
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Compliance

*Compliance with this service bulletin is mandatory and should be complied with **at the next service as determined by this SB.***

Customer Support

No customer support is associated with this Service Bulletin.

Tooling required

Standard tools.

Weight and Balance Effects

Weight and balance is not affected.

Manuals affected

POH & AMM AutoGyro is not affected.
 Maintenance protocols will be updated at the next revision to reflect the new inspection periods.
 This SB overrides all rotor system life-limits stated in AutoGyro documents predating this Service Bulletin

Previous Modifications that affect the SB

None

Accomplishment instructions (Action required to implement this bulletin):

All inspections are to be carried out in accordance with the latest model-relevant AutoGyro Aircraft Maintenance Manual.

The following table lists the new life-limits and inspection periods for all rotor systems on all models:

Equipment/ System	Safe Life Limits	Rotor Blade to hub bar attachment fastenings and blade hole inspection period	AMM Job Card References
Rotor System I	700 flight hrs. Where permitted, this limit may be increased to 1500 flight hrs with an annual/25hr inspection	100 hrs/12 months. Then every 25hrs/12months above 700hrs in service	62-11-00 4-1 AG SIL-2019-03-B 62-11-00 4-2 62-11-00 6-2
Rotor System II	2500hrs	500hrs or 2 years. After 1500hrs in service, the inspection interval is reduced to 100hrs or 2 years. Recommended 1 year in corrosive environments such as float-operations or storage in humid environments	62-11-00 4-1 AG SIL-2019-03-B 62-11-00 4-2 62-11-00 6-2

Notes.

1. Corroded rotor blade bolts must be replaced.
2. Ensure the rotor blade bolt shanks are lightly oiled/greased on refitment.
3. Nyloc or metal locknuts, unless meeting the AMM residual torque limits, must be replaced.

Completion of this Service Bulletin must be recorded within the aircraft documentation, in line with the requirements of the country of operation.

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

Nil

List of components (with purchasable part numbers)

None

Interchangeability

Not affected

Parts disposition

- a) Disposal requirements – Normal waste
- b) Environmental hazards of parts containing hazardous materials – Nil
- c) Scrap requirements (e.g. mutilate scrapped items beyond use) – Nil