

Title: MTO2017 915iS Intercooler Mounting Assembly	
AG-SB-2020-03-B-EN	
Applicability	
Aircraft type & model: AutoGyro MTO2017	Affected Serial number(s): All MTO2017 fitted with the Rotax 915iS engine
The maintenance manual to be referenced is this stated or subsequent issue.	
As per AutoGyro website	
<p>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.</p>	

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
	pp

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

AutoGyro has received feedback from the market that the current 915iS intercooler attachment brackets may, in some cases lead to breakage of the intercooler attachment lugs.

AutoGyro has developed a new assembly set that includes rubber absorption bushes.

This service bulletin provides instructions on how to replace the intercooler mounting assembly.

Manpower estimates

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

Estimated man-hours to complete the task as a stand-alone item is:

2.5 hrs.

Compliance

This bulletin is recommended and has no compliance timeline.

Failure to embody this service bulletin may result in:

- Possible damage to the aircraft and/or engine
- Invalidation of the warranty on the items involved

Customer Support

Materials and labour hours are covered by this SB if the aircraft is within the warranty period.

A maximum of 2.5 hrs labour may be claimed.

The service bulletin reference AG-SB-2020-03-B-EN, gyro works number and engine serial number is to be quoted on all parts orders and labour claim submissions related to this SB.

Tooling required

Standard tools.

Weight and Balance Effects

Nil

Manuals affected

POH & AMM AutoGyro is not affected.

Previous Modifications that affect the SB

None

Accomplishment instructions (Action required to implement this bulletin):

Effective date of this SB is 03 September 2020.

All work is to be carried out in accordance with the latest model-relevant AutoGyro Aircraft Maintenance Manual

Instructions

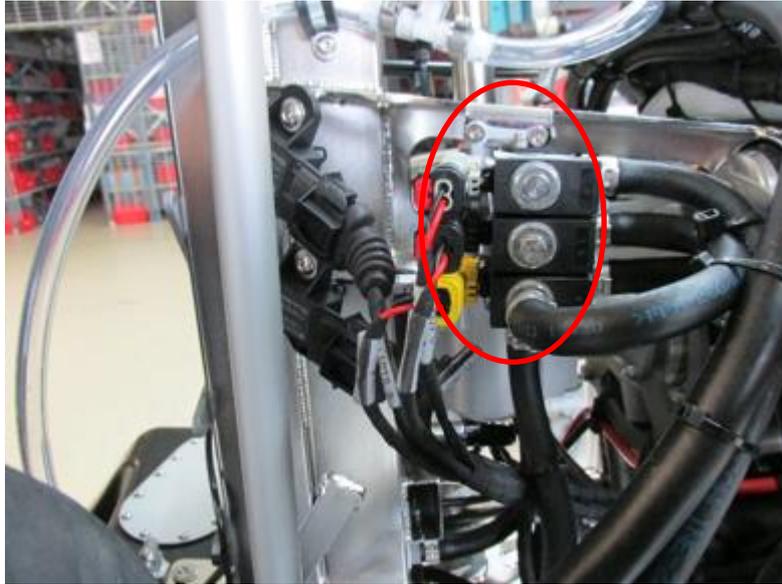
1. Ensure the wheel brakes are applied and the mag switches/ignition are switched in the "off" position.
2. Remove the left hand aircraft side fairing iaw AMM Job Card 52-00-00 4-1.
3. Support the engine using its lifting points. Rotax 915 series installation manual ch. 10-10-00 'Engine Handling' refers.
4. Disassemble the blow-off valve from the upper left engine mount (Pic. 1) and secure in an appropriate position to allow access to the engine mounting bolt head.
5. Disassemble the relay from the lower left engine mount (pic. 2) and secure in an appropriate position to allow access to the engine mounting bolt head.
6. Remove the intercooler support frame (Pic. 3 – old version, green items)
7. Ensure the engine is supported and remove the upper and lower engine mounting bolts in accordance with AMM Job Card 71-20-00 8-1.
8. Remove the intercooler support arms from the engine bolts.
9. Assemble the new intercooler support assembly arms from set 47913 to the upper and lower engine mounting bolts as per the diagram in Pic. 4.
10. Re-assemble the engine mounting bolts and intercooler support arm assembly iaw AMM Job Card 71-20-00 8-1 and the assembly drawing in Pic. 4. Tighten hand tight so that the arms are still able to be orientated to the intercooler.
11. Assemble the arms to the intercooler. All bolts should be assembled using Loctite 243. Ensure there is no tension in the arms between engine and intercooler and tighten the engine mounting bolts to 39Nm. The arms may require a small amount of geometrical adjustment to achieve this.
12. Assemble the adjustable support rod to the engine (Pic. 5) and intercooler (Pic. 6). All bolts should be assembled using Loctite 243.
13. Adjust the rod until it supports the intercooler tension-free. Tighten the lock-nuts and mark with safety paint.
14. Carry out a loose tool and article check.
15. Re-fit the left side fairing iaw AMM Job Card 52-00-00 4-1.

Illustrations

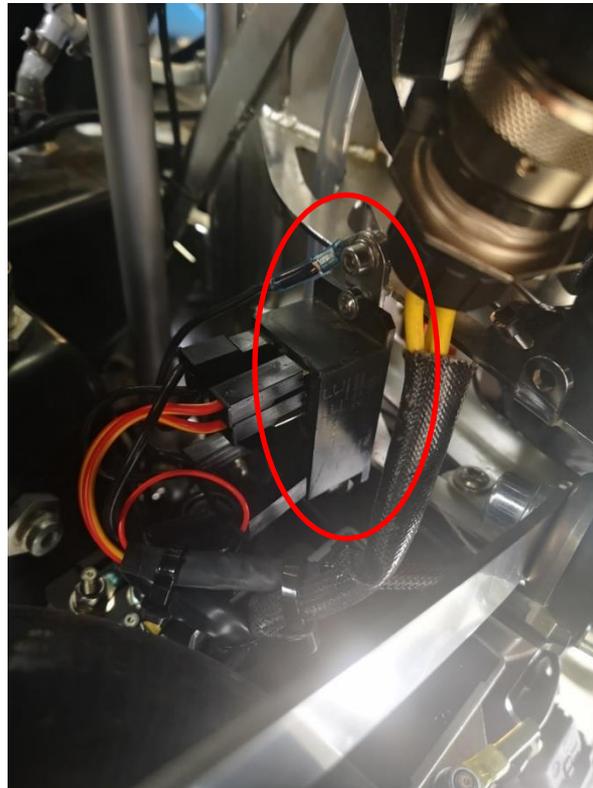
Contact & Info:

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

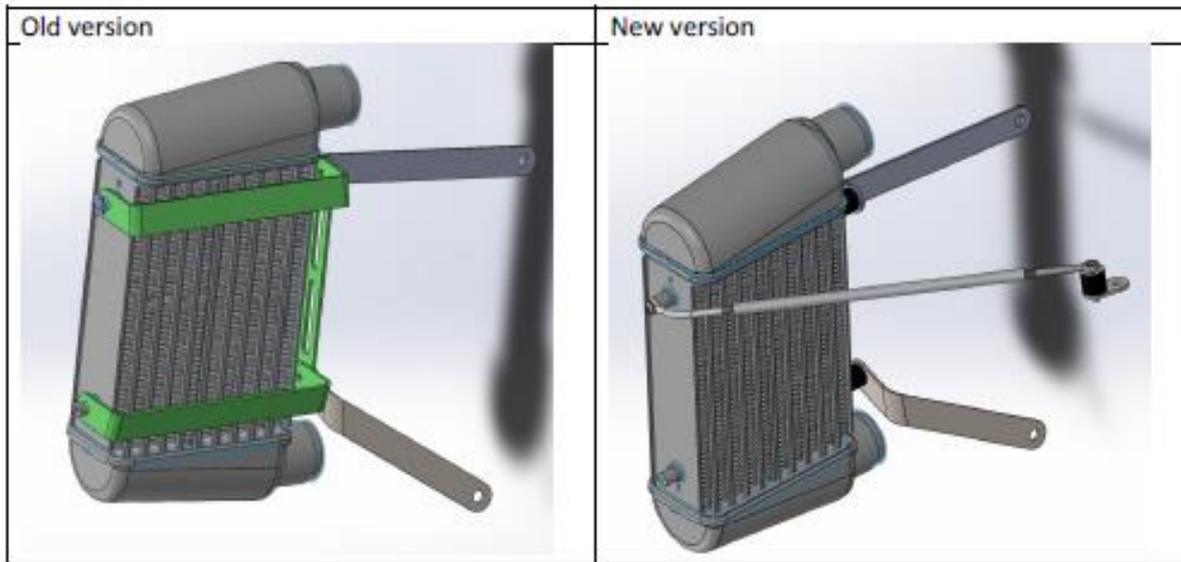
AutoGyro GmbH
Dornierstr. 14
31137 Hildesheim



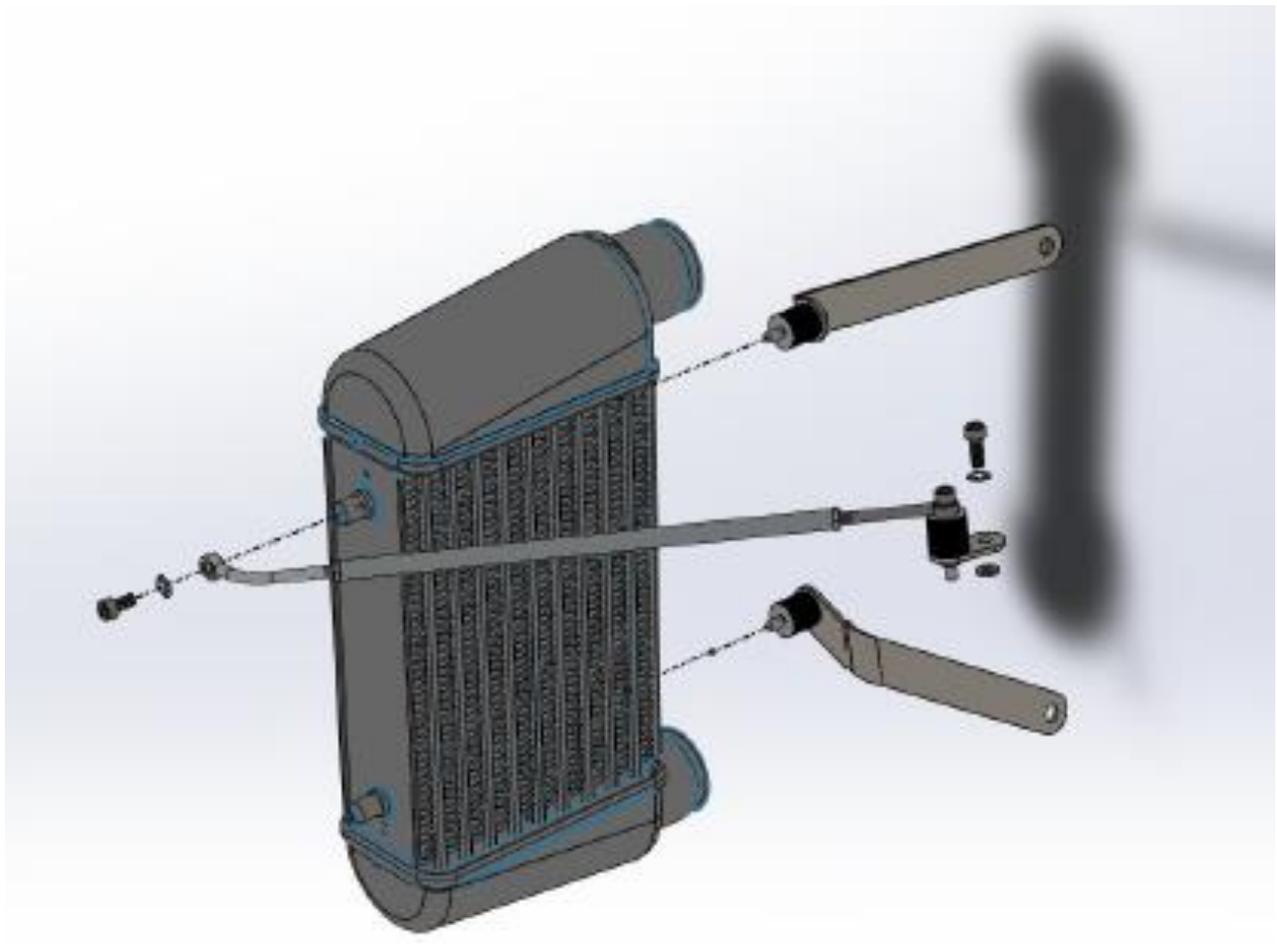
(Pic. 1)



(Pic. 2)



(Pic. 3)



(Pic. 4)



(Pic. 5)



(Pic. 6)

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)

47913 Conversion kit attachment intercooler III 915is (2017)
 30483 Loctite 243 blue
 33588 Screw locking varnish red

Interchangeability

Not affected

Parts disposition

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