

Title: Engine Mount Set Tables		
AG-SIL-2021-05-EN		Released:
Applicability		30 August 2021
Aircraft type & model:	Affected Serial number(s):	
MTO Sport, Calidus, Cavalon & MTO2017	All models, all engine types	
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 Information Letter Completion action)

The purpose of this document is to provide maintenance personnel with information over and above that currently available in the relevant AMM. Its compliance must be properly documented, if such procedure is required by the relevant authority

Chief Certification Officer	Chief Technical Officer
G. Speich	O. Birkner

<p>Contact & Info: airworthiness@auto-gyro.com www.auto-gyro.com</p>	<p>AutoGyro GmbH Dornierstr. 14 31137 Hildesheim</p>
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Reason and overview of the Service Information Letter

For ease of production, spare-parts availability and overview, AutoGyro has combined the previous engine mounting sets for individual model and engine combinations (**30052** Engine Mount Assy (2010), **32088** Engine Mount Assy Cavalon 915, **47567** Engine Mount Assy Calidus, **47071** Engine Mount Assy A2 915 (2017) and **44433** Engine Mount Assy A2 (2017)) into one set (**48251 – 85 shore** for Cavalon 915iS without engine support arm **48147** and MTOsport 2017 915iS; **48114 – 65 shore** for all other variants) that contains all required items for each model and engine combination.

Both sets now also includes lower engine mounting rubber heat protection plates (**48002**).

This instruction provides tables explaining which components are required for each mounting position for each model and engine combination. It also provides instructions for the fitting of the lower engine mounting heat protection plates.

NOTE: There may be a small number of 912 or 914 aircraft/engine specialist configurations where the heat protection plates may require adapting to enable fitment, or leaving out of the assembly completely. Fitment is optional.

Manpower estimates

There are no manpower estimates associated with this SIL. The replacement is encompassed within the maintenance requirement.

Compliance

There are no compliance requirements associated with this SIL. The engine mountings, including rubbers, are On Condition items and can therefore be replaced at the next replacement requirement as stated in the relevant Periodic Service Worksheet.

Customer Support

Not applicable

Tooling required

Standard tools.

Weight and Balance Effects

Nil

Manuals affected

POH & AMM AutoGyro is not affected. This SIL is relevant to the 25/100hr/12mth Periodic Service Worksheets of all models.

Previous Modifications that affect the SIL

None

Accomplishment instructions (Action required to implement this bulletin):

All work is to be carried out in accordance with the latest model-relevant AutoGyro Aircraft Maintenance Manual and Periodic Service Worksheet.

Instructions

The following tables are confirmation of what items from set 48114 should be fitted in which position for each individual aircraft and engine combination as standard.

It should be understood that dependent on engine thrust line and position installation, this may not in all instances reflect the actual assembled items. Therefore the overriding factor should be that items removed should be replaced in the same order and with the same specification of item from the set. The only exception to this is the Cavalon 915 upper mountings, which require 1 x spacer (21507) removing if two are installed.

ATTENTION: All bolts must have a minimum of 1.5 threads showing once assembled and tightened (39Nm).

ATTENTION: The softer 65 shore engine mounts are only permitted for use on the Cavalon 915 when the engine support arm 48147 is fitted. If this is not the case then 85 shore mounts must be fitted (Set 48251).

Contact & Info:

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

AutoGyro GmbH
Dornierstr. 14
31137 Hildesheim

Parts List

The following parts are identified in engine mount assembly 48114 & 48251:

Article No.	Description	Qty	Illustration
13813 47530	Silent block engine mount 65 Shore HNBR (set 48114) Silent block engine mount 85 Shore HNBR (set 48251)	8	
47989	Spacer engine mount II	4	
20180	Washer engine mount	8	
12651	Engine mount support sleeve	4	
20184	U10 Washer	8	
20182	M10x110	4	
25092	M10x120	2	
23630	M10, Si full metal	4	
48002	Heat protection plate engine mount	2	
21507	Spacer tail 20-10,5/9	4	

Items that differ from a standard mount assembly, with M10x110 bolt, have been highlighted with blue lettering in each table.

MT03/MTO Sport 2010

	912	914
Upper Left	47989 Spacer Engine Mount II 20182 M10x110 Bolt 23630 M10 SI Full Metal Nut 20180 Washer Engine Mount x 2 13813 Silent block engine mount 65 Shore HNBR x 2 12651 Engine Mount Support Sleeve	47989 Spacer Engine Mount II 20182 M10x110 Bolt 23630 M10 SI Full Metal Nut 20180 Washer Engine Mount x 2 13813 Silent block engine mount 65 Shore HNBR x 2 12651 Engine Mount Support Sleeve
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Calidus

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MTOsport 2017 & MTOsport 2017 Pro

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Cavalon & Cavalon Pro

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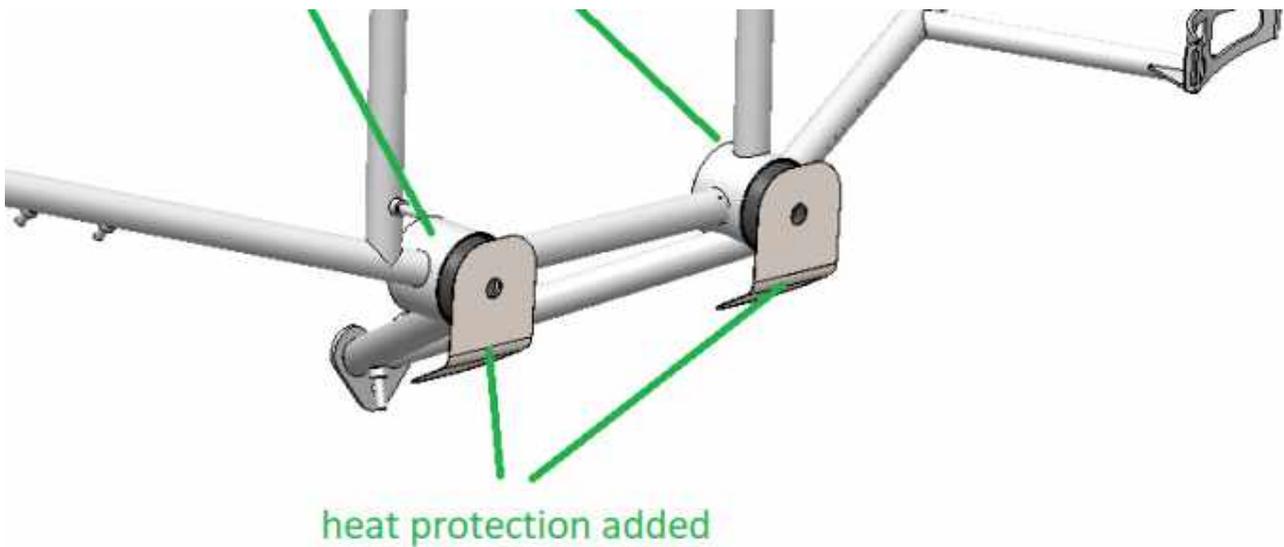
Table notes:

- (1) On initial build if washers are required to be inserted for engine alignment, or on initial installation of 48002 Heat Protection Plate Engine Mount, the next size of bolt may be required. On mounting bolt replacement, ensure the same specification that is removed, is assembled.
- (2) Additional U10 washers may be found inserted between ring mount and engine mount in various positions and combinations for lateral and thrust- line alignment. Ensure on replacement that the same number of washers are re-assembled as were removed in their respective position(s).
- (3) U10 washers x 3 are installed under the head of the bolt to ensure there is a minimum of 2mm gap between bolt end and turbo housing.
- (4) 1 x Spacers 21507 are assembled between mounting ring and engine mount. Note: For earlier versions of the Cavalon 915iS, 2 x spacers are inserted in the upper left and upper right positions as standard. One of these per side require removing.

ATTENTION: It MUST be ensured that there is a minimum gap of 2mm between the end of the lower left mounting bolt and the turbo housing of any engine fitted with a turbo!

48002 Heat protection plate engine mount - installation

1. Should the lower left and right engine mounts not have heat protection plates (48002) assembled, then they should be inserted at the next engine mounting replacement.
2. The heat protection plates 48002 should be assembled in the position shown below at the lower left and right engine mountings between mounting rubbers and ring-mount.
3. The drawing below shows the position for Cavalon, but is applicable to all aircraft models.



Changes to the indication limits 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)

- 48114 Engine Mounting Set 65 shore
- 48251 Engine Mounting set 85 shore

Interchangeability

Not affected

Parts disposition

- a) Disposal requirements – Any items not required from the set should be disposed of locally
- b) Environmental hazards of parts containing hazardous materials – Nil
- c) Scrap requirements (e.g. mutilate scrapped items beyond use) – Nil