

Title: Information about the actual used rubber bushes in the mast		
AG-SIL-2024-01-EN		Released:
Applicability		
Aircraft type & model: Cavalon, Calidus (and MTO2017 with separated upper mast)	Affected Serial number(s): All Models with separated upper masts	1st March 2024
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, email: airworthiness@auto-gyro.com .		

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

Document approval signatures	
Head of Engineering	Head of Airworthiness
The technical content of this document is approved under the authority of the UK CAA Design Organisation Approval Ref: DAI/9917/06	

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

Reason and overview of the Service Information Letter

The current Cavalon and Calidus Maintenance Manual job card 62-51-00 8-1 mast bushing replacement process is based on the original twin rubber bush design. For newer models the information shown is no longer correct. There is now a metal bushing assembled in the lower mast attachment. The information below explains the difference in the assembly for the lower metal bushing.

Replacement procedure follows the same procedure as the procedure for the MEGI bushings.

Manpower estimates

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

Compliance

There are no compliance requirements associated with this Service Information Letter. The filter is an On Condition item and can therefore be replaced at the next replacement requirement as stated in the relevant Periodic Service Worksheet.

Customer Support

Can be contacted if necessary.

Tooling required

Standard tools.

Weight and Balance Effects

Nil

Manuals affected

AMM Part E job card 62-51-00 8-1 will be changed with the next revision.

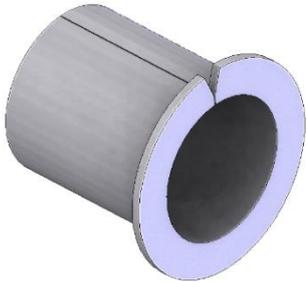
Previous Modifications that affect the SIL

None

Accomplishment instructions (Action required to implement this SIL):

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

Illustrations and parts for the lower attachment for the Cavalon:



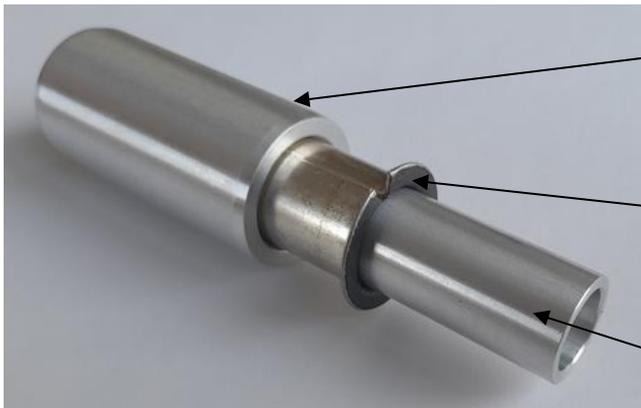
Bushing TEF-MET, PN 45861



Bush mast top bottom, PN 45827



Clamp bush mast, PN 45826



PN 45827

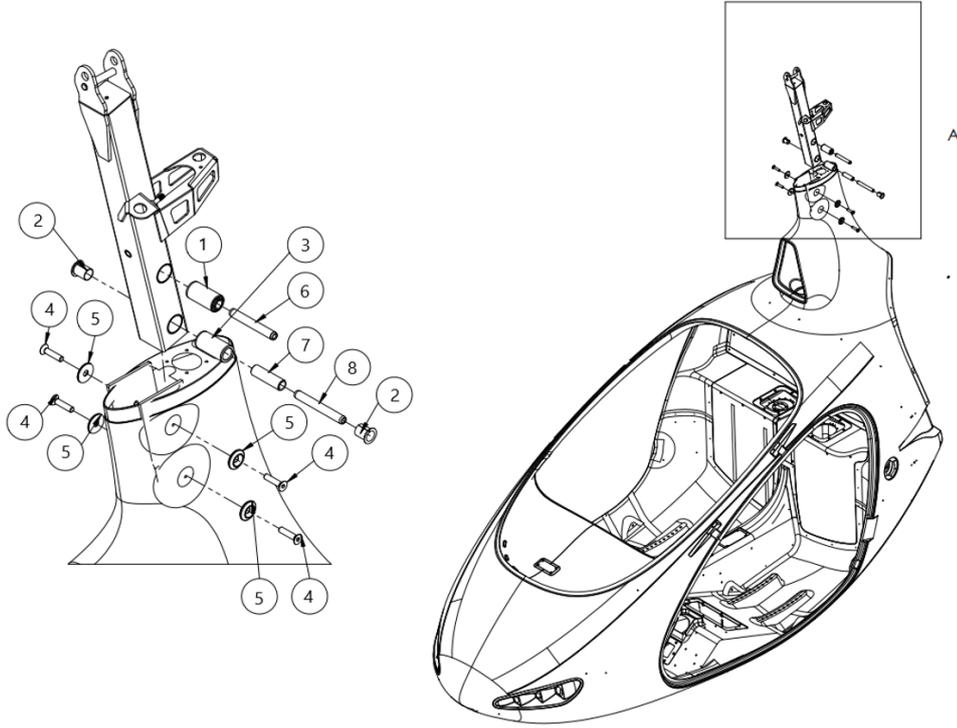
PN 45861

PN 45826

Illustrations and parts for the upper attachment for the Cavalon:



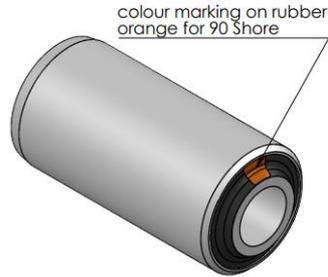
Rubber bushing, 70 shore, PN 22545 for the upper attachment point for the Cavalon. Colour marking on the rubber: white



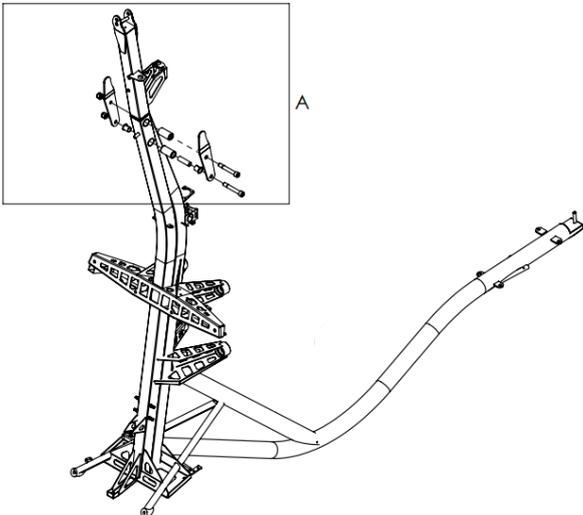
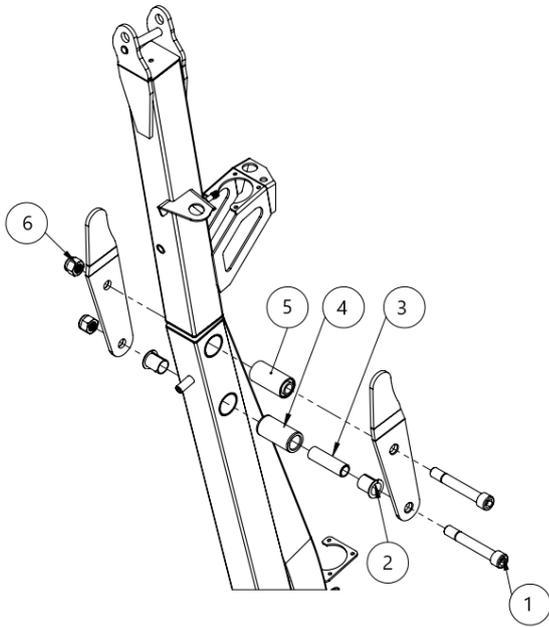
8	1	23902	Thread frame bush long	Gewinde Masthülse lang
7	1	45826	Clamp bush mast	Klemmbuchse Mast
6	1	23903	Thread frame bush short	Gewinde Masthülse kurz
5	4	23899	Outer wash disc	Klemmscheibe außen
4	4	28214	M8x35, countersunk	M8x35 Senk Inbus
3	1	45827	Bush mast top bottom	Buchse Mastoberteil unten
2	2	45861	Bushing TEF-Met 16/18/24x22mm	Bundbuchse TEF-Met 16/18/24x22mm
1	1	22545	Rubber Bushing 70 shore	Megibuchse 70 Shore
Ref.-No.	Qty.	Internal ID	Name (engl.)	Name (ger.)

The parts for the lower attachment point for the mast are the same for Cavalon and Calidus.

Illustrations and parts for the upper attachment for the Calidus:



Rubber bushing, 90 shore, PN 11082 for the upper mast attachment for the Calidus. Colour marking on the rubber: orange

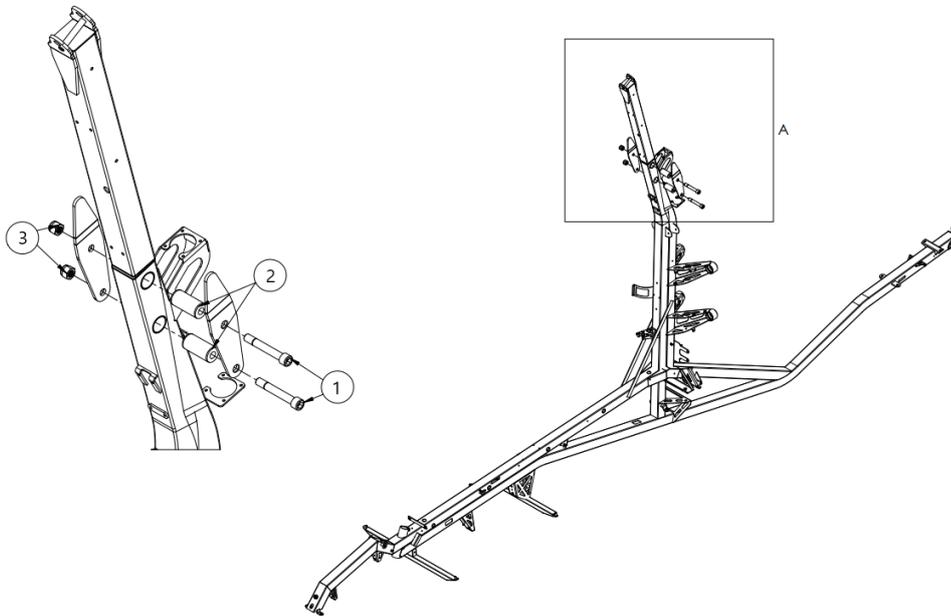


6	2	20005	M12 Si	M12 Si
5	1	11082	Rubber Bushing 90 Shore	Megibuchse 90 Shore
4	1	45827	Bush mast top bottom	Buchse Mastoberteil unten
3	1	45826	Clamp bush mast	Klemmbuchse Mast
2	2	45861	Bushing TEF-Met 16/18/24x22mm	Bundbuchse TEF-Met 16/18/24x22mm
1	2	22590	M12 62-19	M12 62-19
Ref.-No.	Qty.	Internal ID	Name (engl.)	Name (ger.)

For the MTO2017 with the separated upper mast following parts are the latest development stage:



Bush mast top, PN 44214, on both attachment points



3	2	20005	M12 Si	M12 Si
2	2	44214	Bush mast top	Buchse Mastoberteil
1	2	22590	M12 62/19	M12 62/19
Ref.-No.	Qty.	Internal ID	Name (engl.)	Name (ger.)

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

AutoGyro GmbH
 Dornierstr. 14
 31137 Hildesheim

Any life-limit changes must be recorded within the aircraft documentation, in line with the requirements of the country of operation.

Nil

Material information (Parts required relevant to this service information letter):

Nil

List of components (with purchasable part numbers)

For Cavalon:

45861, Bushing TEF-Met 16/18/24x22mm, 2x
 45827, Bush mast top bottom
 45826, Clamp Bush mast
 22545, Rubber bushing 70 shore
 23902, Thread frame bush long
 23903, Thread frame bush short
 23899, Outer wash disc, 4x (already installed, reusable)
 28214, M8x35, countersunk (already installed, reusable)

For Calidus:

45861, Bushing TEF, 2x
 45827, Bush mast top bottom
 45826, Clam Bush mast
 22948, Shim washer 0,2mm, 2x (in case they are needed to shim the mast)
 22949, Shim washer 0,3mm, 2x (in case they are needed to shim the mast)
 11082, Rubber bushing, 90 shore
 20005, M12_Si, 2x
 22590, M12 62-19, 2x

For MTO2017:

22948, Shim washer 0,2mm, 2x
 22949, Shim washer 0,3mm, 2x
 44214, Bush mast top, 2x

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