

AG-SB-2016-05-B-EN – MTseries suspension bow

Category B

EFFECTIVE DATE

26.08.2016

SUPERSEDES/REPLACES

N/A (initial issue)

APPLICABILITY

This Service Bulletin is applicable for all MTseries gyroplanes with suspension bows with serial numbers starting in M.FA13, likely to have been fitted between 2009 and summer 2013.

COMPLIANCE

To be performed with the next maintenance or within the next 5 operating hours.

BACKGROUND

It has been found that the heat generated under the black grit pad on the suspension bow (see fig. 1), where left exposed to high solar energy, has led to the degradation of the composite structure beneath the pad. This is only applicable to bows constructed with foam infills, denoted by the serial numbers starting in M.FA13. The serial number is etched into the bow surface normally near to the wheel. It is also only applicable to high solar energy markets such as Australia.

RISK OF NEGLECT

Failure to comply with this instruction/information will result in:

- significant crack in the top surface leading to possible bow failure
- Possible damage to the aircraft
- Loss of related warranty

SCOPE OF WORK

- Removal of black pad, check of surface, replacement with clear or white pad.

AFFECTED AREAS

top of suspension bow

SPECIAL TOOLS & CONSUMABLE MATERIALS

N/A

PARTS

32-10-00-S-43318 (L0) Anti slip pad white
Alternatively, local sourced clear material is acceptable.

LABOR AND REQUIREMENTS

To accomplish 30 min

This is a pilot owner task.

SUPPORT POLICY

Parts are free of charge

REFERENCES

Manufacturer Maintenance Manual (MMM) in latest revision.

DOCUMENTATION

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.

Warnings Caution and Notes

This instruction uses **WARNINGS**, **CAUTIONs** and **NOTEs** in bold italic letters to indicate especially critical and important instructions. The call-outs appear at the top of the Maintenance Job Card if of general nature or applicable for the complete task, or will directly precede the individual Work Step.

The meaning of each call-out is defined below:

WARNING: A warning means that the neglect of the appropriate procedure or condition could result in personal injury or fatal accidents.

CAUTION: A caution means that the neglect of the appropriate procedure or condition could result in damage to or destruction of equipment.

NOTE: A note stresses the attention for a special circumstance, which is essential to emphasize.

Category Codes

- A** Safety critical - failure to comply may result in a significant reduction of flight safety, injury or death
- B** Important - failure to comply may result in reduced safety margin, injury and/or equipment damage
- C** Beneficial - improves operating behaviour, reliability and/or maintainability

COMPLIANCE PROCEDURE

GENERAL, REFERENCES AND REQUIREMENTS

- Task may be performed by the pilot, owner, or operator.
- Secure gyroplane against unauthorized or unintended operation.
- Execute procedure only in cold engine condition.
- Position the aircraft on level ground with the brakes applied.

SPECIAL TOOLS, CONSUMABLE MATERIALS AND PARTS

N/A

PRECAUTIONS AND SAFETY MEASURES

CAUTION: if engine is hot, allow to cool before this inspection, to remove risk of burns from the exhaust.

PROCEDURES

- 1 Carefully remove the two existing self adhesive black grid pads from either side of the suspension bow. Careful use of a hot air gun will soften the adhesive for easy removal.
- 2 Clean, then inspect the area under the pad for evidence of cracks or splits. Use a 10x magnifying glass if available.
- 3 If cracks or splits are found, refer to the AutoGyro Partner for advice, with photos.
- 4 If no cracks are found, fit replacement pads.
- 5 Record the action within the aircraft logbooks.

PARTS LIST

Fig.	Pos.	Description	PC	PIT	Remark
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ILLUSTRATIONS

fig. 1 suspension bow with black grid pad

