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TBM AIRCRAFT

SERVICE BULLETIN

SB 70–260	57
REVISION 1	ATA No.

RECOMMENDED

The technical content of this document is approved under the authority of the DOA ref EASA.21J.013

SUBJECT : AILERON'S BRUSH

CAUTION

PUBLICATION OF THIS SERVICE BULLETIN CANCELS AND REPLACES PREVIOUS REVISIONS.
REPLACE THE EXISTING COPY OF THE SERVICE BULLETIN WITH THIS SERVICE BULLETIN VERSION. THE SUPERSEDED COPY SHOULD BE DESTROYED.

NOTE:
A black bar in the left margin indicates a change in that line of text or figure.

REFERENCE DOCUMENT:

Modification No. MOD70–0642–57 Version C

EFFECTIVITY: TBM aircraft S/N 687, from S/N 1000 to S/N 1589.

☐ TBM 700 ☐ TBM 700 G1000 ☐ TBM 850 CFD ☐ TBM 850 AFD ☒ TBM 900
☒ TBM 910 ☒ TBM 930 ☒ TBM 940 ☒ TBM 960

NOTE:
If an aircraft covered in the effectivity has a modification or repair that is not of Daher Aerospace origin, and which affects the content of this Service Bulletin, the operator is responsible for obtaining approval by the appropriate airworthiness authority for an adaptation before the incorporation of the Service Bulletin.

REASON:

A. PROBLEM

Local ice accumulation between the aileron and the brush. Possible aileron control stiffness during climb and AIL message when autopilot is engaged.

B. REASON

Water accumulation on ground freezing during climb.

C. SOLUTION

Reduce the contact surface between the aileron and the brush.

WARNING: Daher Aerospace considers that it is VERY IMPORTANT for operators to comply with the instructions of this Service Bulletin.

Owners/operators who do not follow the compliance indicated in this Service Bulletin do so at their own risk.

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PURPOSE OF THE REVISION 1:

To add a new technical solution.

NOTE:
This Service bulletin incorpores a new form and new wording.

SUMMARY:

A. PRELIMINARY STEPS

B. MODIFICATION

C. FINAL STEPS

APPLICATION: During the next scheduled inspection.

WARRANTY:

For aircraft under warranty, Daher will cover labor costs for this Service Bulletin if:
– The work is accomplished within the compliance time period (1 year and 1 month after the Service Bulletin issuance reference date).
– The Service Bulletin is performed within the authorized TBM Service Network (The TBM Service Network list is available at: https://www.tbm.aero/map/service).

OPERATIONAL CONSEQUENCES / TRAINING:

Not applicable.

SERVICING CONSEQUENCES:

No changes to the scheduled maintenance.

PROCURABLE MATERIAL:

– None

CONSUMABLE MATERIAL or OTHER PRODUCTS (Local purchase):

– None

TOOLS:

– Standard aeronautical maintenance station tools.

– Tool to cut brushes bristles (for example, an electrical clipper)

AFFECTED PUBLICATIONS:

IPC: Not impacted

AMM: Not impacted

POH: Not impacted

RELATED DOCUMENTS: Document(s) necessary for application of the procedure(s)

AMM Chapter:

– 57–60–00

ASSOCIATED DOCUMENTS:

None.

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MANPOWER:

Application	
During a scheduled inspection	1 aeronautical mechanic: 3 hours
Out of a scheduled inspection	1 aeronautical mechanic: 4 hours

NOTE:
The manpower estimates given in this Service Bulletin assume that the work will be done by Service Centers having previous experience with the aircraft type and with the procedures involved.

TECHNICAL INCIDENCES:

– Not applicable.

PARTS TO BE RE–IDENTIFIED:

YES ☐ NO ☒

DESCRIPTION OF ACCOMPLISHMENT INSTRUCTIONS:

WARNING

OBEY ALL WARNINGS AND CAUTIONS IN THIS PROCEDURE AND IN THE REFERENCED PROCEDURES.

WARNING

THE MODIFICATION MUST BE PERFORMED ON EACH WING.

NOTE:
Operations required in this Service Bulletin must be performed by persons authorized by the appropriate airworthiness authority.

A. PRELIMINARY STEPS

1) Remove the aileron – refer to Chapter 57–60–00 of the Maintenance Manual.

B. MODIFICATION – See Figure 1

1) Using any appropriate means (for example an electrical clipper), cut the remaining brushes (2) as close as possible to the wing structure (1).

C. FINAL STEPS

1) Make sure that all the tools and materials are removed and the work area is clean and free from debris.

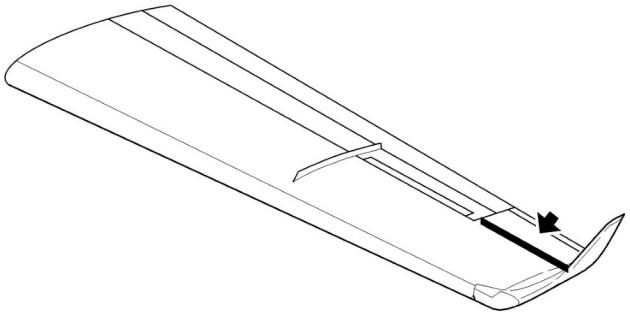
2) Install the aileron – refer to Chapter 57–60–00 of the Maintenance Manual.

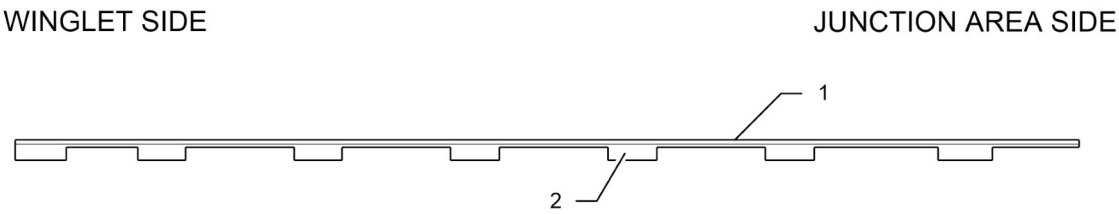
DOCUMENTATION:

Upon completion of this Service Bulletin, make an appropriate maintenance record entry.

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1 – Aileron structure
2 – Brush





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Figure 1 – Location

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