
SERVICE BULLETIN

N° **109EP-182**

RECOMMENDED

DATE: October 10, 2023

REV. : /

TITLE

ATA 05 – MPM UPDATED

REVISION LOG

First Issue

An appropriate entry should be made in the aircraft log book upon accomplishment.
If ownership of aircraft has changed, please, forward to new owner.

1. PLANNING INFORMATION

A. EFFECTIVITY

Part I, Part II, Part III and Part IV

All the A109E helicopters

B. COMPLIANCE

NOTE

The compliance time is subject to the same tolerances as per MPM Chap. 05 Para. 05-00-4. Permissible inspection interval tolerances, except differently indicated.

Part I

Within and not later than reaching the next scheduled inspection at 200 FH/12 months, after the issue of this Service Bulletin, and subsequently refer to MPM scheduling.

Part II

- Helicopter that has accumulated less than 1000 FH:
 - Within and not later than reaching the 1000 FH or within and not later than 200 FH or 1 year after the issue of this Service Bulletin, whichever occurs later, and subsequently refer to MPM scheduling.
- Helicopter that has accumulated more than 1000 FH:
 - Within and not later than 200 FH or 1 year, whichever occurs later after the issue of this Service Bulletin (no tolerance allowed), and subsequently refer to MPM scheduling.

Part III

- Helicopter that has accumulated less than 2000 FH:
 - Within and not later than reaching the 2000 FH or within and not later than 200 FH or 1 year after the issue of this Service Bulletin, whichever occurs later, and subsequently refer to MPM scheduling.
- Helicopter that has accumulated more than 2000 FH:
 - Within and not later than 200 FH or 1 year, whichever occurs later after the issue of this Service Bulletin (no tolerance allowed), and subsequently refer to MPM scheduling.

Part IV

- Helicopter that has less than 6 years:

- Within and not later than reaching the 6 years or within and not later 2 years after the issue of this Service Bulletin, whichever occurs later, and subsequently refer to MPM scheduling.
- Helicopter that has more than 6 years:
 - Within and not later 2 years after the issue of this Service Bulletin (no tolerance allowed), and subsequently refer to MPM scheduling.

LH recommends the implementation of this SB in accordance with the indicated compliance time, with related tolerances as applicable. It is Operator’s responsibility to properly plan and execute the SB application i.a.w. LH recommendations. The Operator remains liable for any deviation.

C. CONCURRENT REQUIREMENTS

N.A.

D. REASON

This SB is issued in order to give a grace period for the application of the new inspection tasks included in MPM Chapter 05 - Inspection requirements and component overhaul schedule.

LH issued this SB for the following reason:

Helicopter Reliability/Maintainability	✓
Product Improvement	
Obsolescence	
Customization	
Product/Capability Enhancement	

E. DESCRIPTION

LH has introduced a set of modifications within MPM Chapter 05 Scheduled/unscheduled maintenance with the scope to harmonize the publications and/or include improvements taking benefit from changes already implemented on other AW109/AW119 lines or derived from latest applicable design information and in service recommendations.

This SB is therefore issued to give a grace period for the application of the new inspection tasks included in MPM Chapter 05 – Inspection requirements and component overhaul schedule.

F. APPROVAL

The technical content of this Service Bulletin is approved under the authority of DOA nr. EASA.21.J.005. For helicopters registered under other Aviation Authorities, before applying the Service Bulletin, applicable Aviation Authority approval must be checked with Local Aviation Authority.

EASA states mandatory compliance with inspections, modifications or technical directives and related time of compliance by means of relevant Airworthiness Directives. If an aircraft listed in the effectivity embodies a modification or repair not LHD certified and affecting the content of this Service Bulletin, it is responsibility of the Owner/Operator to obtain a formal approval by Aviation Authority having jurisdiction on the aircraft, for any adaptation necessary before incorporation of the present Service Bulletin.

G. MANPOWER

N.A.

H. WEIGHT AND BALANCE

N.A

I. REFERENCES

I.1 PUBLICATIONS

Following Section/Paragraph refer to MM:

<u>SECTION/PARAGRAPH</u>	<u>DESCRIPTION</u>	<u>PART</u>
DM01 00-20-01	Helicopter safety	All

Following Section/Paragraph refer to MPM:

<u>SECTION/PARAGRAPH</u>	<u>DESCRIPTION</u>	<u>PART</u>
DM02 05-50-1	Special inspections	All

I.2 ACRONYMS & ABBREVIATIONS

AMDI	Aircraft Material Data Information
DOA	Design Organization Approval
EASA	European Union Aviation Safety Agency
LH	Leonardo Helicopters
MM	Maintenance Manual
MMH	Maintenance Man Hours
MPM	Maintenance Planning Manual
N.A.	Not Applicable

P/N Part Number
SB Service Bulletin

I.3 ANNEX

N.A.

J. PUBLICATIONS AFFECTED

N.A.

K. SOFTWARE ACCOMPLISHMENT SUMMARY

N.A.

2. MATERIAL INFORMATION

A. REQUIRED MATERIALS

A.1 PARTS

N.A.

A.2 CONSUMABLES

N.A.

A.3 LOGISTIC MATRIX

N.A.

B. SPECIAL TOOLS

N.A.

C. INDUSTRY SUPPORT INFORMATION

N.A.

3. ACCOMPLISHMENT INSTRUCTIONS

PART I

1. In accordance with MM Paragraph 00-20-01, prepare the helicopter on ground for a safe maintenance. Disconnect the battery, all electrical power sources and/or the external power supply.
2. In accordance with MPM Paragraph 05-50-1, apply the maintenance task 18. item c “Examine all tail rotor drive shaft supports for condition and corrosion including adjacent fuselage/tail area for cracks”.
3. Return the helicopter to flight configuration and record for compliance with Part I of this Service Bulletin on the helicopter logbook.
4. Gain access to My Communications section on Leonardo WebPortal and compile the “Service Bulletin Application Communication”.

As an alternative, send the attached compliance form to the following mail box:

engineering.support.lhd@leonardo.com

and (for North, Central and South America) also to:

AWPC.Engineering.Support@leonardocompany.us

PART II

1. In accordance with MM Paragraph 00-20-01, prepare the helicopter on ground for a safe maintenance. Disconnect the battery, all electrical power sources and/or the external power supply.
2. In accordance with MPM Paragraph 05-50-1, apply the maintenance task 21 “Perform a detail inspection of the upper deck area and panels for cracks, corrosion debonding and damage”.
3. Return the helicopter to flight configuration and record for compliance with Part II of this Service Bulletin on the helicopter logbook.
4. Gain access to My Communications section on Leonardo WebPortal and compile the “Service Bulletin Application Communication”.

As an alternative, send the attached compliance form to the following mail box:

engineering.support.lhd@leonardo.com

and (for North, Central and South America) also to:

AWPC.Engineering.Support@leonardocompany.us

PART III

1. In accordance with MM Paragraph 00-20-01, prepare the helicopter on ground for a safe maintenance. Disconnect the battery, all electrical power sources and/or the external power supply.
2. In accordance with MPM Paragraph 05-50-1, apply the maintenance task 23 “Perform a detail inspection for cracks to the cargo bay frame in the rear fuselage at STA 4710 (ref. to Para 53-21-19) and STA 4960 (ref. to Para 53-21-20)”.
3. Return the helicopter to flight configuration and record for compliance with Part III of this Service Bulletin on the helicopter logbook.
4. Gain access to My Communications section on Leonardo WebPortal and compile the “Service Bulletin Application Communication”.

As an alternative, send the attached compliance form to the following mail box:

engineering.support.lhd@leonardo.com

and (for North, Central and South America) also to:

AWPC.Engineering.Support@leonardocompany.us

PART IV

1. In accordance with MM Paragraph 00-20-01, prepare the helicopter on ground for a safe maintenance. Disconnect the battery, all electrical power sources and/or the external power supply.
2. In accordance with MPM Paragraph 05-50-1, apply the maintenance task 25 “Perform a detail inspection of internal and external visible parts of the fuel tanks for debris, cleanliness, contamination and presence of fungus. Ref to para 28-11-8”.
3. Return the helicopter to flight configuration and record for compliance with Part IV of this Service Bulletin on the helicopter logbook.
4. Gain access to My Communications section on Leonardo WebPortal and compile the “Service Bulletin Application Communication”.

As an alternative, send the attached compliance form to the following mail box:

engineering.support.lhd@leonardo.com

and (for North, Central and South America) also to:

AWPC.Engineering.Support@leonardocompany.us

