
SERVICE BULLETIN

N° **139-526**

DATE: April 10, 2018

REV. : A - November 28, 2023

**THIS DOCUMENT HAS BEEN CANCELLED.
ITS TECHNICAL CONTENT IS SUPERSEDED BY
AMPI SCHEDULED MAINTENANCE CHECK 63-20
(REF. DM 39-A-63-20-03-00A-310A-A) AND AMPI
TIME LIMITS CO63-06.**

TITLE

ATA 63 – MGB OIL COOLING FAN INSPECTION

REVISION LOG

New Issue

1. PLANNING INFORMATION

A. EFFECTIVITY

Part I

All MGB oil cooling fans P/N 3G6320V03853 installed on AB139/AW139 helicopters not already compliant with Part II of this SB.

Part II

All MGB oil cooling fans P/N 3G6320V03853 installed on AB139/AW139 helicopters.

B. COMPLIANCE

Part I

- For cooling fans that have logged less than one thousand and two hundred (1200) FH since new or since last overhaul: within fifty (50) FH from the issue date of this Service Bulletin or from when they reach seven hundred (700) FH whichever occurs later, and then every two hundred (200) FH, until first accomplishment of Part II on the affected component.
- For cooling fans that have already logged one thousand and two hundred (1200) FH since new or since last overhaul: within fifty (50) FH and then every one hundred (100) FH, from the issue date of this Service Bulletin and until first accomplishment of Part II on the affected component.

Part II

- For cooling fans that have not yet logged seven hundred (700) FH since new or since last overhaul: upon reaching one thousand and two hundred (1200) FH and then every one thousand and two hundred (1200) FH.
- For cooling fans that have logged between seven hundred (700) FH and one thousand and two hundred (1200) FH since new or since last overhaul: within five hundred (500) FH or upon reaching one thousand and five hundred (1500) FH, whichever occurs first from the receipt of this Service Bulletin and then every one thousand and two hundred (1200) FH.
- For cooling fans that have already logged one thousand and two hundred (1200) FH since new or since last overhaul: within three hundred (300) FH or upon reaching two thousand and four hundred (2400) FH, whichever occurs first from the receipt of this Service Bulletin and then every one thousand and two hundred (1200) FH.

C. CONCURRENT REQUIREMENTS

The present Service Bulletin replaces and supersedes SB 139-490

D. REASON

This Service Bulletin is issued to manage the introduction of the new overhaul interval of the MGB oil cooling fan P/N 3G6320V03853 on in service fleet, prior to AMPI alignment to the new requirement.

E. DESCRIPTION

Product Improvement - Part I of this Service Bulletin provides instructions on how to perform the recurrent inspection of the MGB oil cooling fan, consisting of a roughness check and a detailed inspection of the component.

Part II prescribes MGB oil cooling fan replacement reducing its overhaul time.

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 within Leonardo Helicopters customer portal.

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

To comply with this Service Bulletin the following MMH are deemed necessary:

Part I: four (4) MMH;

Part II: one (1) MMH.

MMH are based on hands-on time and can change with personnel and facilities available.

H. WEIGHT AND BALANCE

N.A.

I. REFERENCES

1) PUBLICATIONS

<u>DATA MODULE</u>	<u>DESCRIPTION</u>	<u>PART</u>
DM01 39-A-00-20-00-00A-120A-A	Helicopter on ground for a safe maintenance	I, II
DM02 39-A-63-20-03-00A-520A-A	Fan remove procedure	I, II
DM03 39-A-63-20-03-00A-310A-A	Fan general visual inspection	I
DM04 39-A-63-20-03-00A-720A-A	Fan install procedure	I, II
DM05 39-A-63-20-03-00A-31AA-B	Fan detailed inspection	I

2) ACRONYMS

AMP	Aircraft Maintenance Publication
AMPI	Air vehicle Maintenance Planning Information
DM	Data Module
FH	Flight Hours
DOA	Design Organization Approval
EASA	European Aviation Safety Agency
LHD	Leonardo Spa Helicopters
MGB	Main Gear Box
MMH	Maintenance Man-Hours
MMIR	Maintenance Malfunction Information Report
SB	Service Bulletin
WRM	Warranty Reply Memo

3) ANNEX

N.A.

J. PUBLICATIONS AFFECTED

AMPI

K. SOFTWARE ACCOMPLISHMENT SUMMARY

N.A.

2. MATERIAL INFORMATION

A. REQUIRED MATERIALS

1) PARTS

N.A.

2) LOGISTIC MATRIX

N.A.

B. SPECIAL TOOLS

N.A.

C. INDUSTRY SUPPORT INFORMATION

The Service Bulletin is commercially supported by Leonardo Helicopters, and Customers that order this Service Bulletin will receive the foreseen materials according to economic conditions (ref. SIL n°AW139-18-093). Please Issue relevant MMIR form to your Warranty Administration Dpt.

NOTE: WRM will include RETURN MATERIAL AUTHORIZATION (RMA) number ; all units disembarked from the aircraft have to be returned to LHD within thirty (30) calendar days after the shipment of the replacement part. In case of missing return within thirty (30) calendar days, Customer will be invoiced for the price of the replacement part.

3. ACCOMPLISHMENT INSTRUCTIONS

GENERAL NOTES

- a) Place an identification tag on all components that are re-usable, including the attaching hardware that has been removed to gain access to the modification area and adequately protect them until their later re-use.
- b) Protect properly all those equipment not removed from area affected by the modification during installation procedure.

PART I

1. In accordance with AMP DM 39-A-00-20-00-00A-120A-A, 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 AMP DM 39-A-63-20-03-00A-520A-A, remove the MGB oil cooling fan P/N 3G6320V03853 from the helicopter and position it on a workbench.

NOTE

Clean and dry gloves shall be used during cleaning and all the following operations.

3. In accordance with AMP DM 39-A-63-20-03-00A-310A-A and AMP DM 39-A-63-20-03-00A-31AA-B, perform a roughness check and a detailed inspection of the MGB oil cooling fan P/N 3G6320V03853.
4. In accordance with AMP DM 39-A-63-20-03-00A-720A-A, install the MGB oil cooling fan.
5. Record for compliance with Part I of this Service Bulletin on the component log card and on helicopter logbook.
6. Return the helicopter to flight configuration.
7. Send the attached compliance form to the following mail box:

cse.aw139.aw@leonardocompany.com

As an alternative, gain access to My Communications section on Leonardo WebPortal and compile the "Service Bulletin Application Communication".

PART II

1. In accordance with AMP DM 39-A-00-20-00-00A-120A-A, 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 AMP DM 39-A-63-20-03-00A-520A-A, remove the MGB oil cooling fan P/N 3G6320V03853 from the helicopter and return it to LHD to perform the overhaul.
3. In accordance with AMP DM 39-A-63-20-03-00A-720A-A, install the MGB oil cooling fan.
4. Record for compliance with Part II of this Service Bulletin on the component log card and on helicopter logbook.
5. Return the helicopter to flight configuration.
6. Send the attached compliance form to the following mail box:

cse.aw139.aw@leonardocompany.com

As an alternative, gain access to My Communications section on Leonardo WebPortal and compile the "Service Bulletin Application Communication".

Please send to the following address: LEONARDO S.p.A. CUSTOMER SUPPORT & SERVICES - ITALY PRODUCT SUPPORT ENGINEERING & LICENSES DEPT. Via Giovanni Agusta, 520 21017 Cascina Costa di Samarate (VA) - ITALY Tel.: +39 0331 225036 Fax: +39 0331 225988	SERVICE BULLETIN COMPLIANCE FORM	Date:
	Number:	
	Revision:	

Customer Name and Address:	Telephone:
	Fax:
	B.T. Compliance Date:

Helicopter Model	S/N	Total Number	Total Hours	T.S.O.

Remarks:

Information:

We request your cooperation in filling this form, in order to keep out statistical data relevant to aircraft configuration up-to-date. The form should be filled in all its parts and sent to the above address or you can communicate the application also via Technical Bulletin Application Communication Section placed in Leonardo AW Customer Portal - MyCommunications Area. We thank you beforehand for the information given.