
SERVICE BULLETIN

N° 139-696

DATE: December 9, 2021

REV. : /

TITLE

ATA 63 – MAIN GEAR BOX REMARKING

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

MGB P/N 3G6320A00134 with S/N V18, V19, V20, V21, V22.

B. COMPLIANCE

Within and not later than 50 flight hours or 3 months whichever occurs first after the issue of this Service Bulletin.

C. CONCURRENT REQUIREMENTS

N.A.

D. REASON

This Service Bulletin is issued in order to prescribe the check and the possible correction of some MGB S/N.

E. DESCRIPTION

This Service Bulletin prescribes the check of the MGB S/N top case assy and, depending on the inspection result, the MGB S/N remarking both on the MGB identification plate and on the component logcard.

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 one (1) MMH is deemed necessary.

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

Following Data Modules refer to AMP:

<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	-
DM02 39-A-71-11-07-00A-520A-A	Forward sliding fairing - Remove procedure	-
DM03 39-A-71-11-07-00A-720A-A	Forward sliding fairing - Install procedure	-

2) ACRONYMS & ABBREVIATIONS

AMP	Aircraft Maintenance Publication
DM	Data Module
DOA	Design Organization Approval
EASA	European Aviation Safety Agency
ITEP	Illustrated Tool and Equipment Publication
LH	Leonardo Helicopters
MGB	Main Gear Box
MMH	Maintenance Man Hours
P/N	Part Number
S/N	Serial Number

3) ANNEX

N.A.

J. PUBLICATIONS AFFECTED

N.A.

K. SOFTWARE ACCOMPLISHMENT SUMMARY

N.A.

2. MATERIAL INFORMATION

A. REQUIRED MATERIALS

1) PARTS

N.A.

2) CONSUMABLES

The following consumable material, or equivalent, is necessary to accomplish this Service Bulletin:

#	SPEC./LHD CODE NUMBER	DESCRIPTION	Q.TY	NOTE	PART
1	MIL-PRF-81352C	Acrylic Lacquer, transparent (C081)	AR		

3) LOGISTIC MATRIX

N.A.

B. SPECIAL TOOLS

The following special tools, or equivalent, are necessary to accomplish this Service Bulletin:

#	P/N	DESCRIPTION	Q.TY	NOTE	PART
2	RMGE-DS-06-2010-LH or approved alternative	Platform (GG-01-00)	AR	(B1)	
3	RMGE-SL-06-2010-RH or approved alternative	Platform (GG-02-00)	AR	(B1)	
4	Commercial	vibropen	1	(B1)	

Refer also to ITEP for the special tools required to comply with the AMP DM referenced in the accomplishment instructions.

SPECIAL TOOLS NOTE

(B1) Item to be procured as local supply.

C. INDUSTRY SUPPORT INFORMATION

N.A.

3. ACCOMPLISHMENT INSTRUCTIONS

GENERAL NOTES

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. All lengths are in mm.

NOTE

The following steps 1 thru 4 are not applicable to components kept in stock.

1. In accordance with 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. Put the platform (GG-01-00), or an approved alternative, adjacent to the left side of the fuselage.
3. Put the platform (GG-02-00), or an approved alternative, adjacent to the right side of the fuselage.
4. In accordance with AMP DM 39-A-71-11-07-00A-520A-A, remove the forward sliding fairing.

NOTE

With respect to the following step, if any difficult occurs in identifying the top case assy S/N, please contact Product Support Engineering (engineering.support.lhd@leonardocompany.com) to receive alternative instructions.

5. With reference to Figure 1, gain access to the top case assy P/N 3G6320A01035 of the MGB P/N 3G6320A00134 and check the S/N marked on the top case assy surface.
6. With reference to Figure 2, search in the table the S/N read on the top case assy surface.
7. If the S/N read on the top case assy is found in the table of Figure 2, mark "A1" after the MGB S/N on the MGB identification plate by means of permanent black ink felt pen with Acrylic Lacquer (C081) or by means of vibropen, mark "A1" after the MGB S/N on the MGB log card and go to step 9.
8. If no correspondence is found between S/Ns on Figure 2 and the top case assy S/N, proceed with the following step.

NOTE

The following steps 9 thru 11 are not applicable to components kept in stock.

9. In accordance with AMP DM 39-A-71-11-07-00A-720A-A, install the forward sliding fairing.
10. Remove the platforms from the helicopter sides.
11. Return the helicopter to flight configuration and record for compliance with this Service Bulletin on the helicopter logbook.
12. Send the attached compliance form to the following mail box:

engineering.support.lhd@leonardocompany.com

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

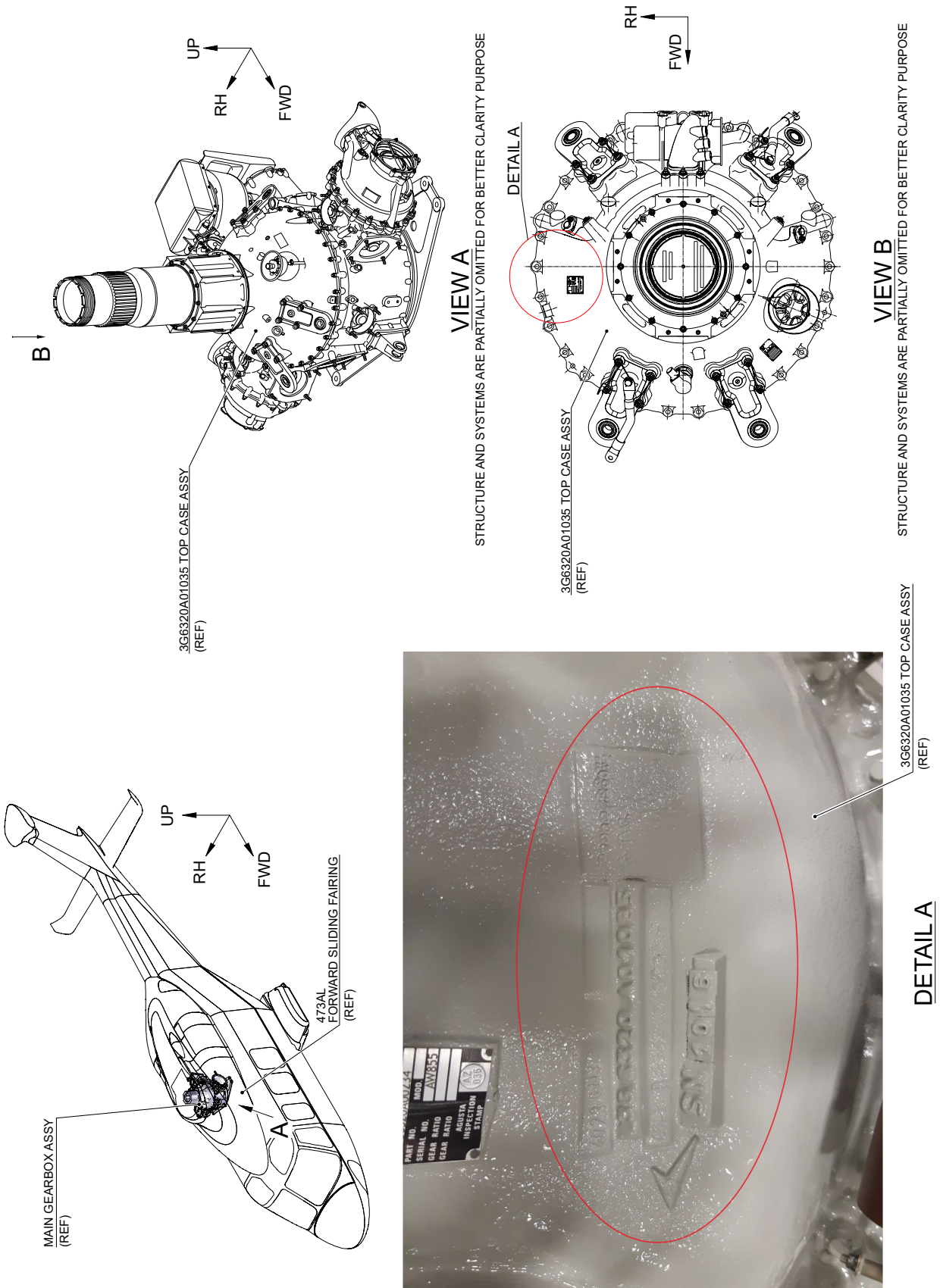


Figure 1

#	MGB P/N	MGB S/N	TOP CASE ASSY P/N	TOP CASE ASSY S/N
1	3G6320A00134	V18	3G6320A01035	V380
2	3G6320A00134	V19	3G6320A01035	V361
3	3G6320A00134	V20	3G6320A01035	V407
4	3G6320A00134	V21	3G6320A01035	V402
5	3G6320A00134	V22	3G6320A01035	V432

Figure 2

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.