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**SERVICE BULLETIN**

**N° 139-733**

**DATE:** February 2, 2023

**REV. :** /

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**TITLE**

**ATA 95 - INSPECTION OF SEALANT OF RIGID COVERS OF EMERGENCY FLOTATION SYSTEM**

**REVISION LOG**

First Issue

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

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## **1. PLANNING INFORMATION**

### **A. EFFECTIVITY**

All AB/AW139 helicopters from S/N 31005 to S/N 32006 (except S/N 31007, S/N 31803, S/N 31986, S/N 31987), from S/N 41001 to S/N 41587 equipped with EFS Removable Parts Rigid Cover Pyrot P/N 3G9560A04211 and/or EFS Removable Parts Rigid Cover SMA P/N 3G9560A04212.

### **B. COMPLIANCE**

Within 50 flight hours or 6 months whichever occurs first from receipt of this Service Bulletin.

### **C. CONCURRENT REQUIREMENTS**

N.A.

### **D. REASON**

This Service Bulletin is issued in order to provide the necessary instructions on how to perform a one-off inspection, to verify and, if necessary, to restore the correct sealing of FWD/AFT, RH/LH Rigid Cover of Flotation System.

### **E. DESCRIPTION**

Following some cases of improper application of the sealant on float rigid covers, this Service Bulletin prescribes a one-off inspection of the float rigid covers installation and, in case of findings, prescribes to restore the correct sealing.

### **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 three and half (3.5) MMH are 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.	-

### 2) ACRONYMS & ABBREVIATIONS

AMD	Aircraft Material Data Information
AMP	Aircraft Maintenance Publication
AR	As Required
DM	Data Module
DOA	Design Organization Approval
EASA	European Aviation Safety Agency
FWD	Forward
IPD	Illustrated Parts Data
ITEP	Illustrated Tools and Equipment Publication
LH	Left Hand
LHD	Leonardo Helicopters Division
MMH	Maintenance Man Hours
N.A.	Not Applicable
P/N	Part Number
RH	Right Hand
S/N	Serial Number

### 3) ANNEX

N.A.

## **J. PUBLICATIONS AFFECTED**

AW139 Aircraft Maintenance Publication (AMP)

## **K. SOFTWARE ACCOMPLISHMENT SUMMARY**

N.A.

## 2. MATERIAL INFORMATION

### A. REQUIRED MATERIALS

#### 1) PARTS

N.A.

#### 2) CONSUMABLES

The following consumable materials, or equivalent, are necessary to accomplish this Service Bulletin:

#	SPEC./LHD CODE NUMBER	DESCRIPTION	Q.TY	NOTE	PART
1	TG8498-50 or TG8498 color gray	SEALING COMPOUND, TG8498-50 THIXOFLEX GRAY (C347)	AR	(1)	-

Refer also to AMDI for the consumable materials required to comply with the AMP DM referenced in the accomplishment instructions.

#### 3) LOGISTIC MATRIX

N.A.

#### NOTE

(1) Item to be procured as local supply.

### B. SPECIAL TOOLS

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

#	P/N	DESCRIPTION	Q.TY	NOTE	PART
2	Commercial	Plastic scraper	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**

- 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) Let adhesive cure at room temperature for at least 24 hours unless otherwise specified.

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.

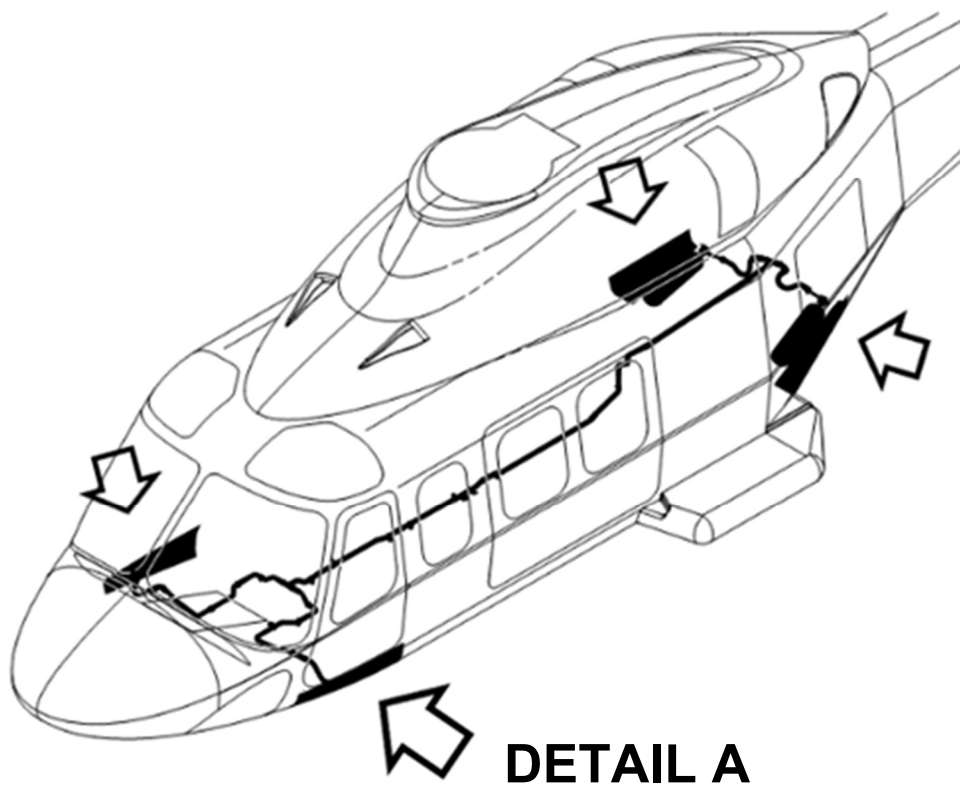
#### **NOTE**

Following steps 2 and 3 are applicable to all the four covers FWD/AFT, LH/RH.

2. With reference to Figure 1 and 2, perform a visual inspection of the float rigid cover (FWD/AFT, LH/RH) to check that the sealant is applied only between fuselage and float container, as shown in Figure 2 "CORRECT", and not between fuselage and float rigid cover, as shown in Figure 2 "INCORRECT".
3. In case of "INCORRECT" installation, restore the proper sealing, according to the following procedure:
  - 3.1 Use a plastic scraper to remove all the sealant.
  - 3.2 With reference to Figure 2 "CORRECT", apply sealant THIXOFLEX (C347) only between fuselage and float container.
4. Repeat steps 2 and 3 for the other three float rigid covers.
5. Return the helicopter to flight configuration and record for compliance with this Service Bulletin on the helicopter logbook.
6. Send the attached compliance form to the following mail box:

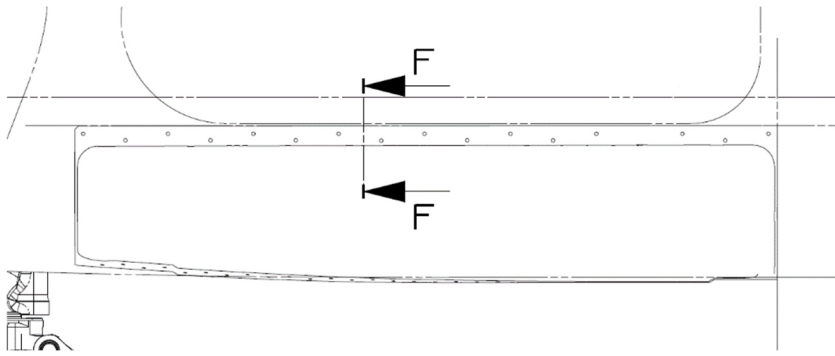
[engineering.support.lhd@leonardo.com](mailto:engineering.support.lhd@leonardo.com)

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



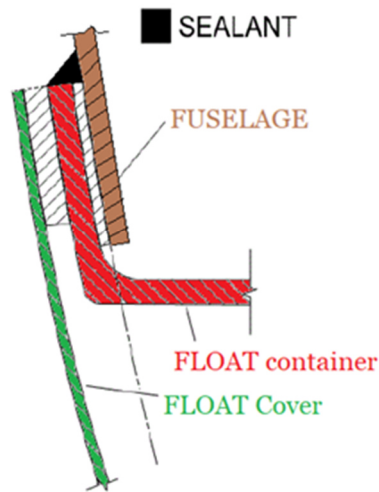
**Figure 1**

# DETAIL A



## SECTION F-F

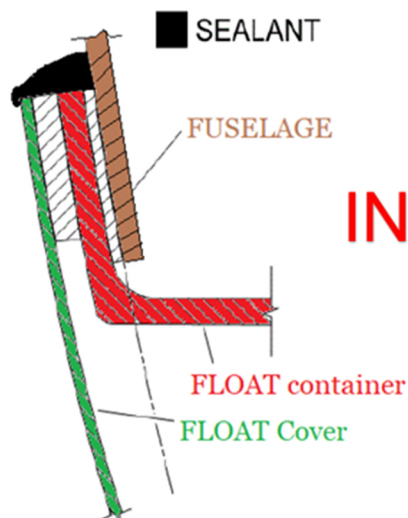
(FWD LH shown, applicable to FWD/AFT LH/RH positions)



**CORRECT**

## SECTION F-F

(FWD LH shown, applicable to FWD/AFT LH/RH positions)



**INCORRECT**

Figure 2



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