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**SERVICE BULLETIN**

**N° 139-670**

**DATE:** September 23, 2021

**REV. :** /

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**TITLE**

**ATA 11 – ADDITIONAL MARKING PLACARD INSTALLATION**

**REVISION LOG**

First Issue

## **1. PLANNING INFORMATION**

### **A. EFFECTIVITY**

AW139 helicopters with S/N 31850, 31851, 31856, 31867, 31876, 31890, 31891, 31892, 31895, 31896, 31920, 41547, 41553, 41554, 41556.

### **B. COMPLIANCE**

At Customer's option.

### **C. CONCURRENT REQUIREMENTS**

N.A.

### **D. REASON**

This Service Bulletin is issued to provide all necessary instructions on how to install the additional mark placard.

### **E. DESCRIPTION**

The new additional mark placard is installed in the left lower rear of the helicopter, included in exterior paint scheme P/N 3G1110A42031 or P/N 3G1110A44331 or P/N 3G1110A42032.

### **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 LH 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 two (2) 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

AMDI	Aircraft Material Data Information
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
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

#	P/N	ALTERNATIVE P/N	DESCRIPTION	Q.TY	LVL	NOTE	LOG P/N
1	3G1110A42031		<b>EXTERIOR PAINT SCHEME</b>	<b>REF</b>	.		
2	3G1110A46853		Additional mark placard N858AH	1	..	(1)	-
3	3G1110A46854		Additional mark placard N860AH	1	..	(2)	-
4	3G1110A46855		Additional mark placard N861AH	1	..	(3)	-
5	3G1110A46856		Additional mark placard N862AH	1	..	(4)	-
6	3G1110A46857		Additional mark placard N863AH	1	..	(5)	-
7	3G1110A46858		Additional mark placard N864AH	1	..	(6)	-
8	3G1110A46851		Additional mark placard HZ-AL54	1	..	(7)	-
9	3G1110A46868		Additional mark placard N855AH	1	..	(8)	-
10	3G1110A46869		Additional mark placard N856AH	1	..	(9)	-
11	3G1110A46891		Additional mark placard N857AH	1	..	(10)	-
12	3G1110A46892		Additional mark placard N859AH	1	..	(11)	-
13	NAS1720C4L2P		Rivet	4	..		-
14	3G1110A44331		<b>EXTERIOR PAINT SCHEME</b>	<b>REF</b>	.		
15	3G1110A46852		Additional mark placard HZ-AL55	1	..	(12)	-
16	3G1110A46863		Additional mark placard HZ-AL56	1	..	(13)	-
17	3G1110A46864		Additional mark placard HZ-AL57	1	..	(14)	-
18	NAS1720C4L2P		Rivet	4	..		-
19	3G1110A42032		<b>EXTERIOR PAINT SCHEME</b>	<b>REF</b>	.		
20	3G1110A46867		Additional mark placard N139EX	1	..	(15)	-
21	NAS1720C4L2P		Rivet	4	..		-

#### 2) CONSUMABLES

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

#	SPEC./LHD CODE NUMBER	DESCRIPTION	Q.TY	NOTE	PART
22	AWMS05-001, Ty I, Cl C, Gr I	Sealant (C354)	AR	(16)(17)	-
23	AWMS05-001, Ty I, Cl B, Gr II	Sealant (C465)	AR	(16)(17)	-

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.

#### **NOTES**

- (1) Applicable to AW139 helicopter with S/N 31850.
- (2) Applicable to AW139 helicopter with S/N 31856.
- (3) Applicable to AW139 helicopter with S/N 31867.
- (4) Applicable to AW139 helicopter with S/N 31876.
- (5) Applicable to AW139 helicopter with S/N 31891.
- (6) Applicable to AW139 helicopter with S/N 31892.
- (7) Applicable to AW139 helicopter with S/N 31890.
- (8) Applicable to AW139 helicopter with S/N 41547.
- (9) Applicable to AW139 helicopter with S/N 41553.
- (10) Applicable to AW139 helicopter with S/N 41554.
- (11) Applicable to AW139 helicopter with S/N 41556.
- (12) Applicable to AW139 helicopter with S/N 31895.
- (13) Applicable to AW139 helicopter with S/N 31896.
- (14) Applicable to AW139 helicopter with S/N 31920.
- (15) Applicable to AW139 helicopter with S/N 31851.
- (16) Item to be procured as local supply.
- (17) Sealant (C465) may be used as alternative to sealant (C354).

#### **B. SPECIAL TOOLS**

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

#### **C. INDUSTRY SUPPORT INFORMATION**

Customization.

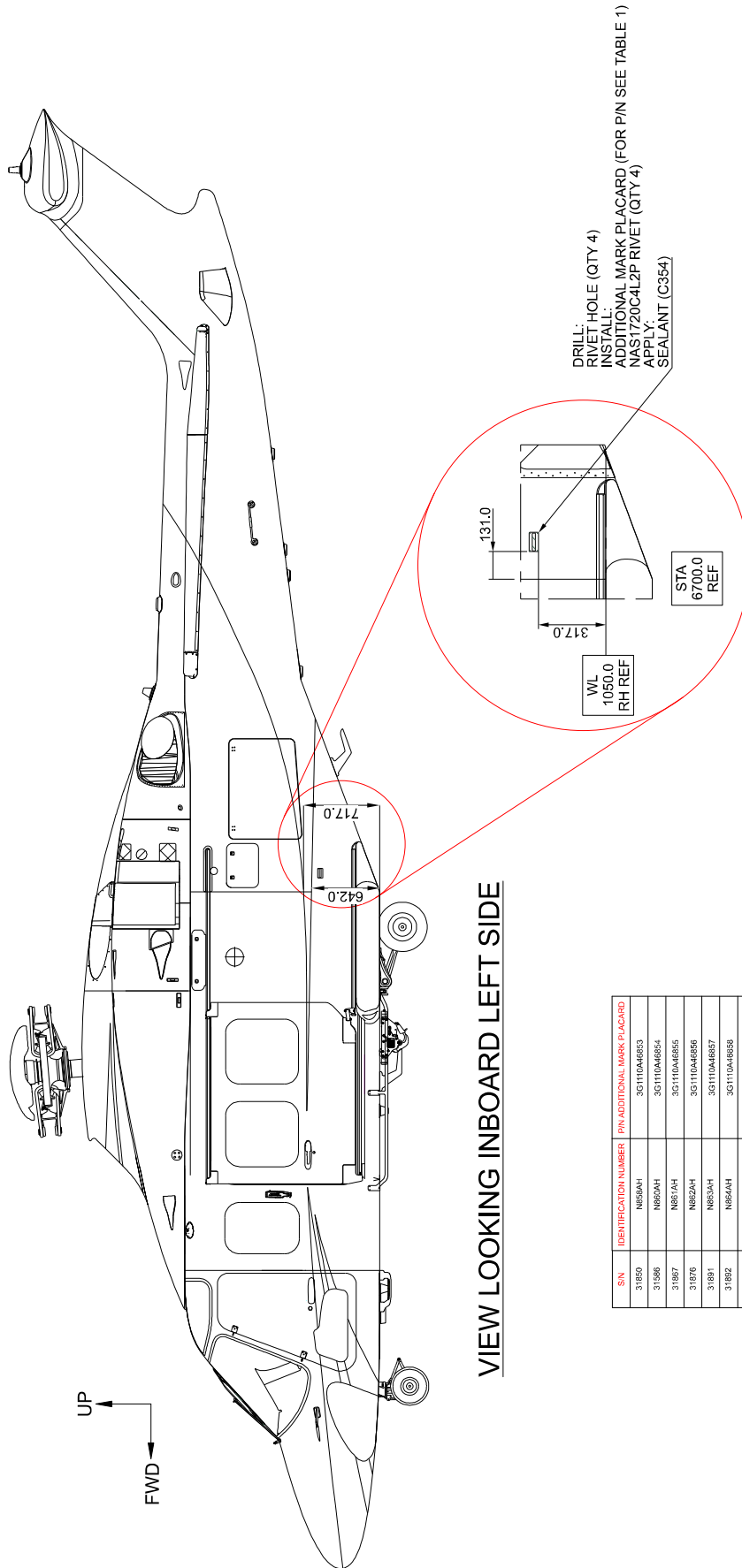
### **3. ACCOMPLISHMENT INSTRUCTIONS**

#### **GENERAL NOTES**

- a) Exercise extreme care during drilling operations to prevent instruments, cables and hoses damage.
  - b) After drilling, remove all swarf and sharp edges. Apply on bare metal a light film of primer unless the hole is used for ground connection.
  - c) Let adhesive cure at room temperature for at least 24 hours unless otherwise specified.
  - d) All lengths are in mm.
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. With reference to Figure 1, perform the additional mark placard installation as described in the following procedure:
    - 2.1 With reference to Figure 1 View Looking Inboard Left Side, temporarily locate the applicable additional mark placard and countermark position of n°4 rivet holes in accordance with dimensions shown.
    - 2.2 With reference to Figure 1 View Looking Inboard Left Side, drill n°4 rivet holes thru the frame of the helicopter.
    - 2.3 With reference to Figure 1 View Looking Inboard Left Side and Table 1, install the applicable additional mark placard by means n°4 rivets P/N NAS1720C4L2P and Sealant (C354).
  3. Return the helicopter to flight configuration and record for compliance with this Service Bulletin on the helicopter logbook.
  4. Send the attached compliance form to the following mail box:

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

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



VIEW LOOKING INBOARD LEFT SIDE

S/N	IDENTIFICATION NUMBER	PIN/ADDITIONAL MARK PLACARD
31850	N856AH	3C1110A46853
31586	N857AH	3C1110A46854
31807	N857AH	3C1110A46855
31876	N852AH	3C1110A46856
31891	N853AH	3C1110A46857
31892	N856AH	3C1110A46858
31890	HZ-A154	3C1110A46851
31885	HZ-A125	3C1110A46852
31896	HZ-A156	3C1110A46863
31820	HZ-A157	3C1110A46864
31851	N119EX	3C1110A46867
41547	N855AH	3C1110A46868
41553	N856AH	3C1110A46869
41554	N857AH	3C1110A46891
41556	N859AH	3C1110A46892

TABLE 1

Figure 1

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