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AgustaWestland Products

SERVICE BULLETIN

N° 139-647

DATE: May 10, 2022

REV. : /

TITLE

ATA 53 - INTERSEAT CONSOLE CONNECTORS REPOSITIONING

REVISION LOG

First Issue

1. PLANNING INFORMATION

A. EFFECTIVITY

AW139 helicopter S/N 31133.

B. COMPLIANCE

At Customer's option.

C. CONCURRENT REQUIREMENTS

Refer to SB 139-148 Rev. A for the connectors J186 and J188 which are part of the EMS (MEDEVAC) electrical provision P/N 3G2564A01411.

D. REASON

This Service Bulletin is issued in order to provide the necessary instruction on how to perform the repositioning of connectors J186 and J188 on the I/C.

E. DESCRIPTION

Leonardo Helicopter has developed this Service Bulletin in order to permit a deviation on the installation of the two connectors J186 and J188 part of the EMS (MEDEVAC) electrical provision. The repositioning, on a lower position on the interseat console, is necessary due to the interference between the backshells of the two connectors and the Console Storage Unit also installed on the I/C.

The two connectors will permit the electrical connection with the MEDEVAC EMS equipment in the passenger cabin.

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 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

DATA MODULE		DESCRIPTION	PART
DM01	39-A-00-20-00-00A-120A-A	Helicopter on ground for a safe maintenance.	-
DM02	39-A-06-41-00-00A-010A-A	Access door and panels - General data	-
DM03	39-A-11-00-01-00A-720A-A	Decal – Install procedure	-

2) ACRONYMS

AMP	Aircraft Maintenance Publication
DM	Data Module
DOA	Design Organization Approval
EASA	European Aviation Safety Agency
I/C	Interseat Console
LHD	Leonardo Helicopters Division
MMH	Maintenance Man Hours

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	**3G5311A51411**		**I/C VARIANT STRUC PROV**	**REF**	**.**	**(1)**	**-**
2	M85049/95-22A-A		Connector	REF	.		-
3	M85049/95-14A-A		Connector	REF	.		-
4	MS35206-216		Screw	REF	.		-
5	ED300J188		Decal	REF	.		-
6	ED300J186		Decal	REF	.		-

Refer also to IPD for the spares materials required to comply with the AMP DMs referenced in the accomplishment instructions.

2) CONSUMABLES

Refer 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) All the parts required for the application of this SB have been already provided as part of EMS (MEDEVAC) electrical provision P/N 3G2564A01411 (SB 139-148).

B. SPECIAL TOOLS

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

C. INDUSTRY SUPPORT INFORMATION

Customization.

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) Exercise extreme care during drilling operations to prevent instruments, cables and hoses damage.

c) 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.

d) During the installation of bonding braids or components requiring grounding, clean the surface structure in order to obtain a good ground contact.

e) All lengths are in mm.

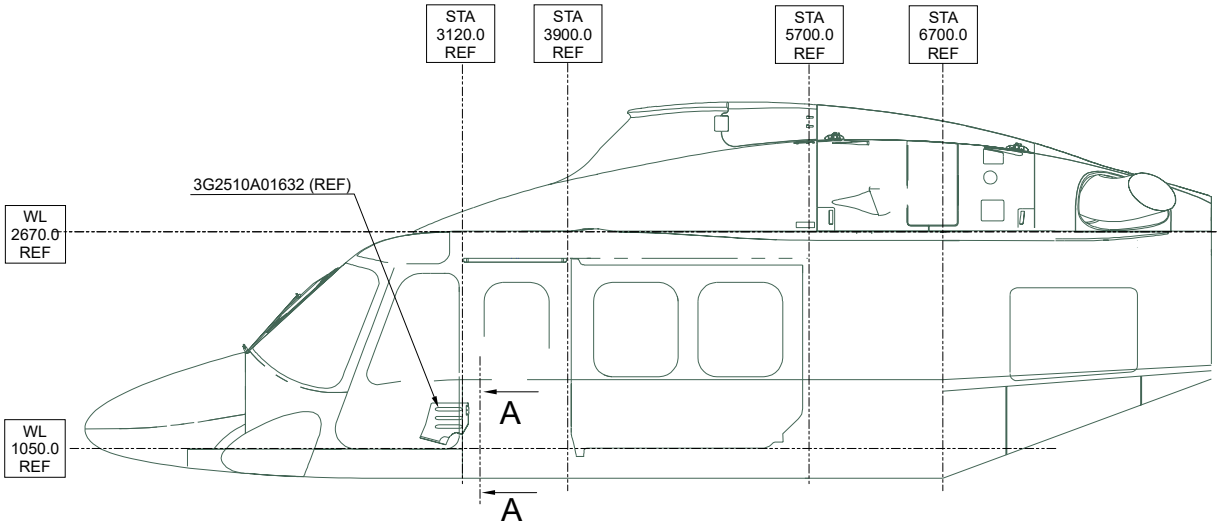
1. In accordance with AMP DM 39-A-00-20-00-00A-120A-A, prepare the helicopter on ground for a safe maintenance. Disconnect the battery, all electrical power sources and/or the external power supply.
2. With reference to Figure 1 and in accordance with AMP DM 39-A-06-41-00-00A-010A-A, gain access to the area affected by the installation.
3. With reference to Figure 1 Section A-A drill a hole Ø36.54 thru the aft frame of the interseat console in accordance with the position shown.
4. With reference to Figure 1 Section A-A drill a hole Ø23.55 thru the aft frame of the interseat console in accordance with the position shown.
5. With reference to Figure 1 Section A-A drill n°8 holes Ø3.25 thru the aft frame of the interseat console in accordance with the position shown and with the two connectors J186 and J188.
6. With reference to Figure 1 Section A-A, install the two connectors J186 an J188 on the aft frame of the interseat console by means of n°8 screws P/N MS35206-216.
7. With reference to Figure 1 Section A-A and in accordance with AMP DM 39-A-11-00-01-00A-720A-A, install the decals P/N ED300J188 and ED300J186.
8. In accordance with weight and balance changes, update the Chart A (see Rotorcraft Flight Manual, Part II, section 6).
9. Return the helicopter to flight configuration and record for compliance with this Service

Bulletin on the helicopter logbook.

10. Send the attached compliance form to the following mail box:

    engineering.support.lhd@leonardo.com

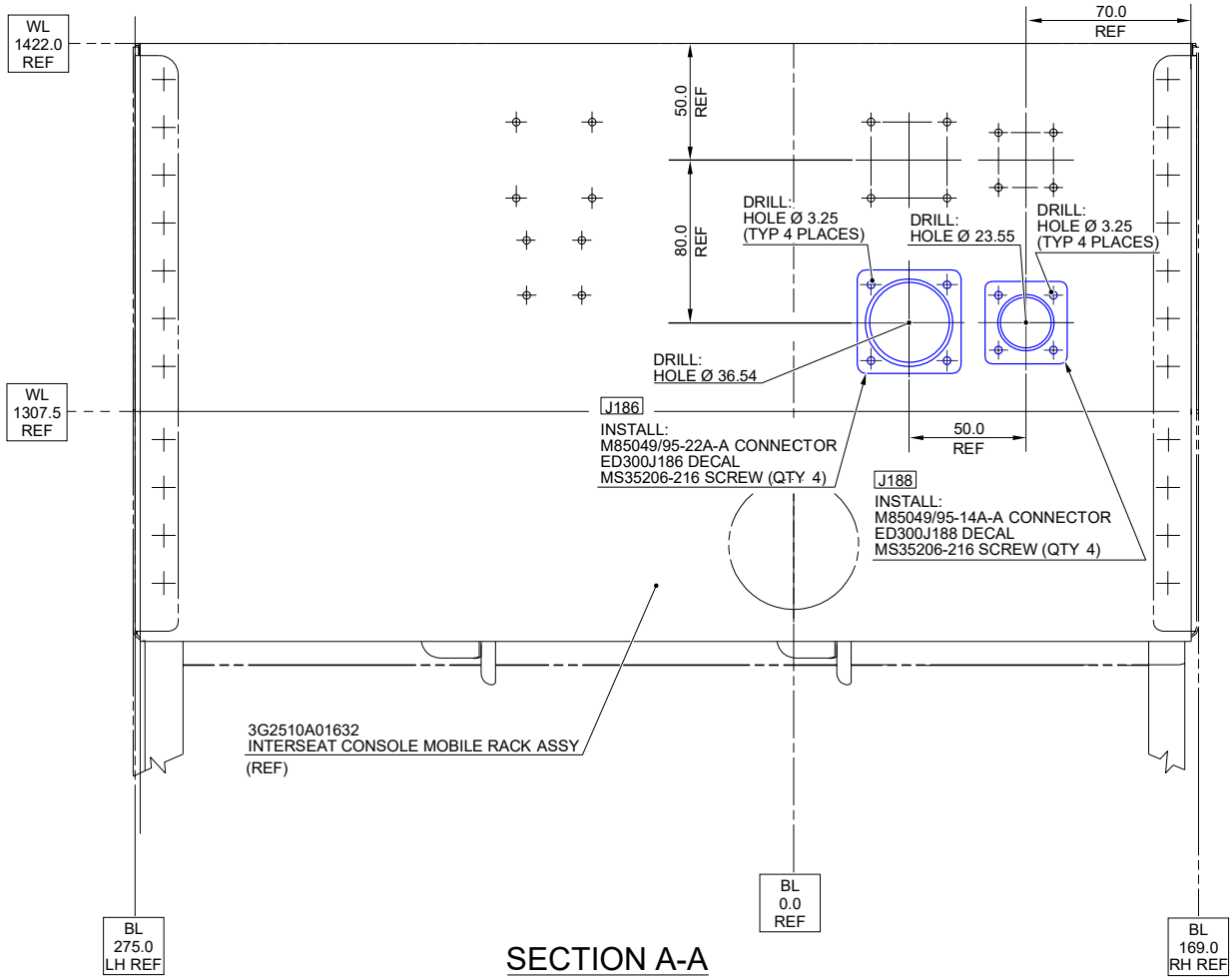
    As an alternative, gain access to My Communications section on Leonardo WebPortal and compile the “Service Bulletin Application Communication”.



VIEW LOOKING INBOARD

LEFT SIDE

STRUCTURE AND SYSTEMS ARE PARTIALLY OMITTED FOR BETTER CLARITY PURPOSE



SECTION A-A

STRUCTURE AND SYSTEMS ARE PARTIALLY OMITTED FOR BETTER CLARITY PURPOSE

Figure 1

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HELICOPTERS

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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.