



LEONARDO MALAYSIA SDN. BHD.

WORK CARD

SERVICE ORDER NUMBER:

90025566

WORKCARD NUMBER:

2023/BGH/001-13

TITLE:

SB 139-334 DATE: JULY 15, 2013 REV. : B - JUNE 24, 2020
ATA 23 - VHF/FM NAT NPX138 KIT P/N 4G2310F02411
(PART 1)

CUSTOMER:

LEONARDO HELICOPTER ITALY (LHI)

REGISTRATION:	9M-BGH	AIRFRAME HOURS:	302:40	#1 ENGINE	SERIAL NUMBER:	PCE-KB1931	#2 ENGINE	SERIAL NUMBER:	PCE-KB1885	APU	SERIAL NUMBER:	N/A
SERIAL NUMBER:	31763	LANDINGS:	850	ENGINE HOURS:	302:40	ENGINE HOURS:	302:40	ENGINE HOURS:	302:40	APU HOURS:	N/A	N/A

NO

SOURCE

TASK / REFERENCE

REMARKS

MECHANIC SIGN

* AH SIGN & STAMP

DATE

NOTE: FOR FIGURE(S), REFER TO IETP / ENGINE MANUAL / AD / SB.

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
- B) AREA AND ADEQUATELY PROTECT THEM UNTIL THEIR LATER REUSE.
- C) SHAPE THE CABLES IN ORDER TO PREVENT INTERFERENCE WITH THE STRUCTURE AND THE OTHER EXISTING INSTALLATIONS, USING WHERE NECESSARY SUITABLE LACING CORDS.
- D) EXERCISE EXTREME CARE DURING DRILLING OPERATIONS TO PREVENT INSTRUMENTS, CABLES AND HOSES DAMAGE.
- E) 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.
- F) DURING THE INSTALLATION OF BONDING BRAIDS OR COMPONENTS REQUIRING GROUNDING, CLEAN THE SURFACE STRUCTURE IN ORDER TO OBTAIN A GOOD GROUND CONTACT.
- G) LET ADHESIVE CURE AT ROOM TEMPERATURE FOR AT LEAST 24 HOURS UNLESS OTHERWISE SPECIFIED.
- H) EXPOSED THREAD SURFACE AND NUT MUST BE PROTECTED USING A LAYER OF TECTYL ACCORDING TO MIL-C-16173 GRADE I.
- I) ALL LENGTHS ARE IN MM.

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CALIBRATED / SPECIAL TOOLS RECORD SHEET HAVE BEEN RAISED AND ATTACHED.

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NO	SOURCE	TASK / REFERENCE	REMARKS	MECHANIC SIGN	* AH SIGN & STAMP	DATE
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.	SATS FAETORU PACRNOBO.	SL	SL L01 LM	14/12/23
2	-	<p>NOTE</p> <p>PERFORM FOLLOWING STEP 2 FOR AW139 HELICOPTERS FROM S/N 31201 TO S/N 31399 AND FROM S/N 41201 TO S/N 41299.</p> <p>IN ACCORDANCE WITH AMP DM 39-A-06-41-00-00A-010A-A AND WITH REFERENCE TO FIGURE 1, GAIN ACCESS TO THE AREA AFFECTED BY THE INSTALLATION AND PERFORM VHF/FM NAT NPX138 (COMM3) STRUCTURAL PROVISION P/N 3G5310A45911 AS DESCRIBED IN THE FOLLOWING PROCEDURE:</p> <p>2.1 WITH REFERENCE TO FIGURE 1 VIEW A AND DETAIL B, PERFORM THE CUT OUT IN THE INDICATED POSITION ON THE LOWER PANEL P/N 3P5340A01731.</p> <p>2.2 WITH REFERENCE TO FIGURE 1 SCHEMATIC SECTION C-C, FILL HONEYCOMB CORE ALL AROUND THE CUT OUT WITH ADHESIVE EA934NA (C057).</p> <p>2.3 PREPARE A COMPOUND MIXING 100 PARTS BY WEIGHT OF ARALDIT RESIN LY5138-2 AND 23 PARTS BY WEIGHT OF HARDENER HY5173.</p>	<p>LOWER PANEL P/N NOT AS JB. REFER; TR/2022/9995</p> <p>SATISFACTORY FILLED UP. EA 934NA</p> <p>SATS FAETORU PACRNOBO.</p>	<p>QJ</p> <p>QJ</p> <p>QJ</p>	<p>N</p> <p>N</p> <p>N</p> <p>L32 LM</p> <p>L32 LM</p> <p>L32 LM</p>	<p>13/2/23</p> <p>13/2/23</p> <p>8/13/25</p>

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Tech Query + Repair Instr Query - PSE/TQ/2022/79495

Document Reference

Document ID	PSE/TQ/2022/79495	Contact	Stefan Eller
Your Code Reference		Subject	31763 - SB 139-334 - Panel P/N 3P5340A01732, LWR BONDED PANEL ASSY P/N 3P5340A01751 Not fitted
Topic	TECHNICAL	Subtopic	SERVICE BULLETIN
Issue	CLARIFICATION	Team Legal Entity	Italy

Contact Details

Customer Description	LEONARDO MALAYSIA SDN BHD	Customer ID	0040000131
Email	stefan.eller@leonardocompany.com		

Customer Service

Priority	Routine	Creation On (UTC)	06/09/2022
Resolve By (UTC)	21/09/2022	Leonardo Closure Date (UTC)	14/09/2022
Additional Note			

Helicopter Data

ATA Code	53	Description	FUSELAGE
S/N	N/A	S/N Details	
Helicopter Line	AW139	Helicopter Model	AW139
Repair Instruction Query	False		

Part Number	Component S/N	Component F/H	On (Date)(UTC)
LOWER PANEL			

Ticket Description

Dear PSE Team,

A/C S/N: 31763
A/C FH: 300:40
LDG: 838

FUSELAGE STRUCTURE ASSY P/N 3P5300X00138, S/N TAI38746

REAR FUSELAGE P/N 3P5340A00134, S/N TAI38746

As per SB 139-334, step 3 on page 12 applies to MSN 31763, however, referring to figure 2 the panel P/N 3P5340A01732 does not have the LWR BONDED PANEL ASSY P/N 3P5340A01751 installed.

Please advise if installation as per step 2 and figure 1 can be applied instead.

Thank you,






Stefan

History Log

Closing Note

Dear Stefan,

Please proceed with step 2 considering the H/C is fitted with lower bonded panel assy P/N 3P5340A01731.

NO	SOURCE	TASK / REFERENCE	REMARKS	MECHANIC SIGN	* AH SIGN & STAMP	DATE
		2.4 WITH REFERENCE TO FIGURE 1 SCHEMATIC SECTION C-C, APPLY ON THE CUT OUT EDGES N°2 PLYS OF FIBERGLASS FABRIC 20749-1200 (C931) SOAKED WITH THE PREVIOUSLY PREPARED COMPOUND. LET ADHESIVE CURE.	SARTS FACTORY APPLIED.	<i>QL</i>	<i>QL</i> 	2/3/25
		2.5 WITH REFERENCE TO FIGURE 1 DETAIL B, TEMPORARILY LOCATE THE SUPPORT ANTENNA P/N 3G5316A02651 ON THE LOWER PANEL P/N 3P5340A01731 AND COUNTERMARK N°4 INSERT HOLES.	SARTS FACTORY COUNTERMARKED INSERT HOLES	<i>JS</i>	<i>ML</i> 	14/2/23
		2.6 IN ACCORDANCE WITH CSR P DM CSR P-A-51-42-00-00A-720A-D AND WITH REFERENCE TO FIGURE 1 SECTION C-C, DRILL N°4 INSERT HOLES Ø 11.48÷11.61 AND INSTALL N°4 INSERTS P/N NAS1836-3-13 BY MEANS OF ADHESIVE EA934NA (C057).	SARTS FACTORY INSTALLED	<i>JS</i>	<i>ML</i> 	14/2/23
		2.7 IN ACCORDANCE WITH AMP DM 39-A-20-10-01-00A-259A-A WITH REFERENCE TO FIGURE 1 VIEW A, PREPARE INDICATED CONTACT SURFACES TO ASSURE THE CORRECT ELECTRICAL BONDING.	SARTS FACTORY PREPARED	<i>JS</i>	<i>ML</i> 	14/2/23
		<p style="text-align: center;">NOTE</p> <p>PERFORM THE FOLLOWING STEP 2.8 ONLY IF PART II OF THIS SERVICE BULLETIN IS NOT INTENDED TO BE PERFORMED CONSEQUENTLY TO PART I.</p> <p>2.8 WITH REFERENCE TO FIGURE 1 VIEW A AND SECTION C-C, INSTALL THE CLOSURE PLATE P/N 3G5316A02751 BY MEANS OF N°4 WASHERS P/N NAS1149D0332K AND N°4 SCREWS P/N MS27039-1-05. SEAL ALL AROUND THE CLOSURE PLATE AND THE SCREW HEADS BY MEANS OF SEALING COMPOUND PR1422 (C020).</p>	N/A. PART II TO BE PERFORMED CONSEQUENTLY TO PART I.	<i>N/A</i>	<i>QL</i> 	14/2/23

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3		<p align="center"><u>NOTE</u></p> <p>PERFORM FOLLOWING STEP 3 FOR AW139 HELICOPTERS FROM S/N 31400 ONWARDS AND FROM S/N 41300 ONWARDS.</p> <p>IN ACCORDANCE WITH AMP DM 39-A-06-41-00-00A-010A-A AND WITH REFERENCE TO FIGURE 2, GAIN ACCESS TO THE AREA AFFECTED BY THE INSTALLATION AND PERFORM VHF/FM NAT NPX138 (COMM3) STRUCTURAL PROVISION P/N 3G5310A45912 AS DESCRIBED IN THE FOLLOWING PROCEDURE:</p> <p>3.1 WITH REFERENCE TO FIGURE 2 VIEW A AND DETAIL B, PERFORM THE CUT OUT IN THE INDICATED POSITION ON THE LOWER BONDED PANEL ASSY P/N 3P5340A01751.</p> <p>3.2 WITH REFERENCE TO FIGURE 2 DETAIL B, TEMPORARILY LOCATE THE SUPPORT ANTENNA P/N 3G5316A02651 ON THE LOWER BONDED PANEL ASSY P/N 3P5340A01751 AND COUNTERMARK N°4 ANCHOR NUT HOLES.</p> <p>3.3 WITH REFERENCE TO FIGURE 2 DETAIL B, DRILL N°4 Ø 5.15±5.28 HOLES THROUGH THE LOWER BONDED PANEL ASSY P/N 3P5340A01751 AND INSTALL N°4 ANCHOR NUTS P/N MS21069L3 BY MEANS OF N°8 RIVETS P/N MS20426AD3-3.</p> <p>3.4 IN ACCORDANCE WITH AMP DM 39-A-20-10-01-00A-259A-A WITH REFERENCE TO FIGURE 2 DETAIL B, PREPARE INDICATED CONTACT SURFACES TO ASSURE THE CORRECT ELECTRICAL BONDING.</p>	<p>N/A FOR SHS. REFER TO PSE/TO/2002/2499S AND STEP 2 OF THIS SR.</p> <p>N/A. REFER TO ABOVE REMARK.</p> <p>N/A. REFER TO ABOVE REMARK.</p> <p>N/A. REFER TO ABOVE REMARK.</p>	<p>N/A</p> <p>N/A</p> <p>N/A</p> <p>N/A</p>	 	<p>8/13/23</p> <p>8/13/23</p> <p>8/13/23</p> <p>8/13/23</p>

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		<p align="center"><u>NOTE</u></p> <p>PERFORM THE FOLLOWING STEP 3.5 ONLY IF PART II OF THIS SERVICE BULLETIN IS NOT INTENDED TO BE PERFORMED CONSEQUENTLY TO PART I.</p> <p>3.5 WITH REFERENCE TO FIGURE 2 VIEW A AND SECTION C-C, INSTALL THE CLOSURE PLATE P/N 3G5316A02751 BY MEANS OF N°4 WASHERS P/N NAS1149D0332K AND N°4 SCREWS P/N MS27039-1-07. SEAL ALL AROUND THE CLOSURE PLATE AND THE SCREW HEADS BY MEANS OF SEALING COMPOUND PR1422 (C020).</p>	<p><i>N/A. REFER TO ABOVE REMARK.</i></p>	<p><i>N/A</i></p>		<p><i>8/19/23</i></p>
4	-	<p align="center"><u>NOTE</u></p> <p>PERFORM FOLLOWING STEP 4 FOR AW139 HELICOPTERS FROM S/N 31201 TO S/N 31399 AND FROM S/N 41201 TO S/N 41299.</p> <p>IN ACCORDANCE WITH AMP DM 39-A-06-41-00-00A-010A-A AND WITH REFERENCE TO FIGURES 3 THRU 10 AND FIGURES 30 AND 31 WIRING DIAGRAMS, GAIN ACCESS TO THE AREA AFFECTED BY THE INSTALLATION AND PERFORM VHF/FM NAT NPX138 (COMM3) ELECTRICAL PROVISION P/N 3G2310A03311 AS DESCRIBED IN THE FOLLOWING PROCEDURE:</p> <p>4.1 WITH REFERENCE TO FIGURE 4, AT THE INDICATED LOCATIONS, INSTALL N°2 SUPPORTS P/N A630A31, SUPPORT P/N A630A51, SUPPORT P/N A630A04 AND SUPPORT P/N A630A12 BY MEANS OF ADHESIVE EA9309.3NA (C021).</p>	<p><i>N/A</i></p> <p><i>SN = 31763</i></p>	<p><i>N/A</i></p>	<p><i>owl</i></p> 	<p><i>16/12/23</i></p>

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		4.2 WITH REFERENCE TO FIGURE 4, AT LOCATIONS 3-4-6, INSTALL N°3 GROMMETS P/N 999-1700-03-102.	N/A SN = 31763	N/A		16/12/23
		4.3 WITH REFERENCE TO FIGURE 4, AT LOCATION 5, INSTALL GROMMET P/N 999-1700-03-102 AND SPACER P/N A631A02A.	N/A SN = 31763	N/A		16/12/23
		4.4 WITH REFERENCE TO FIGURE 8, AT LOCATIONS 10-12-13-15-17, INSTALL N°5 SUPPORTS P/N A630A51 AND N°2 SUPPORTS P/N A630A04 BY MEANS OF ADHESIVE EA9309.3NA (C021) AND INSTALL N°5 GROMMETS P/N 999-1700-03-102.	N/A SN = 31763	N/A		16/12/23
		4.5 WITH REFERENCE TO FIGURE 8, AT LOCATIONS 11-16, INSTALL N°2 SUPPORTS P/N A630A04 BY MEANS OF ADHESIVE EA9309.3NA (C021) AND INSTALL N°2 GROMMETS P/N 999-1700-03-102.	N/A SN = 31763	N/A		16/12/23
		4.6 WITH REFERENCE TO FIGURE 8, AT LOCATION 7, REMOVE EXISTING SCREW AND INSTALL ON EXISTING HARDWARE CLAMP P/N MS25281-R6, GROMMET P/N 999-1700-03-102 AND SPACER P/N NAS43DD3-60N BY MEANS OF SCREW P/N NAS1801-3-24.	N/A SN = 31763	N/A		16/12/23
		4.7 WITH REFERENCE TO FIGURE 8, AT LOCATIONS 8-9, REMOVE EXISTING SCREW AND INSTALL ON EXISTING HARDWARE N°2 CLAMPS P/N MS25281-R6, N°2 GROMMETS P/N 999-1700-03-102 AND N°2 SPACERS P/N NAS43DD3-40N BY MEANS OF N°2 SCREWS P/N NAS1190E3P24AK.	N/A SN = 31763	N/A		16/12/23
		4.8 WITH REFERENCE TO FIGURE 8, AT LOCATION 14, REMOVE EXISTING SCREW AND INSTALL ON EXISTING HARDWARE CLAMP P/N MS25281-R6, GROMMET P/N 999-1700-03-102 AND SPACER P/N NAS43DD3-32N BY MEANS OF SCREW P/N NAS1190E3P12AK.	N/A SN = 31763	N/A		16/12/23



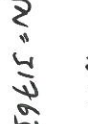


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		4.9 WITH REFERENCE TO FIGURE 8, AT LOCATION 18, REMOVE EXISTING SCREW AND INSTALL ON EXISTING HARDWARE CLAMP P/N MS25281-R6, GROMMET P/N 999-1700-03-102 AND SPACER P/N NAS43DD3-32N BY MEANS OF SCREW P/N NAS1190E3P14AK.	N/A SN - 31763	N/A	adl L06 LM	16/2/23
		4.10 WITH REFERENCE TO FIGURE 8, AT LOCATION 19, REMOVE EXISTING SCREW AND INSTALL ON EXISTING HARDWARE CLAMP P/N MS25281-R6, GROMMET P/N 999-1700-03-102 AND SPACER P/N NAS43DD3-35N BY MEANS OF SCREW P/N NAS1190E3P16AK.	N/A SN - 31763	N/A	adl L06 LM	16/2/23
		4.11 IN ACCORDANCE WITH APPLICABLE STEP OF AMP DM 39-A-06-41-00-00A-010A-A AND WITH REFERENCE TO FIGURES 8 AND 9 VIEW D-D, AT LOCATION 20, INSTALL STANDOFF P/N A388A3E08C BY MEANS OF ADHESIVE EA9309.3NA (C021) AND INSTALL CLAMP P/N MS25281-R6, GROMMET P/N 999-1700-03-102 AND SPACER P/N NAS43DD3-85N BY MEANS OF SCREW P/N NAS1190E3P26AK AND WASHER P/N NAS1149D0332J.	N/A SN - 31763	N/A	adl L06 LM	16/2/23
		4.12 WITH REFERENCE TO FIGURES 8 AND 9 VIEW D-D, AT LOCATION 21, INSTALL SUPPORT P/N A630A04 BY MEANS OF ADHESIVE EA9309.3NA (C021) AND INSTALL GROMMET P/N 999-1700-03-102.	N/A SN - 31763	N/A	adl L06 LM	16/2/23
		4.13 WITH REFERENCE TO FIGURE 10, AT LOCATION 22, REMOVE EXISTING SCREW AND INSTALL ON EXISTING HARDWARE CLAMP P/N MS25281-R6, GROMMET P/N 999-1700-03-102 AND SPACER P/N NAS43DD3-60N BY MEANS OF SCREW P/N NAS1190E3P22AK.	N/A SN - 31763	N/A	adl L06 LM	16/2/23



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		4.14 WITH REFERENCE TO FIGURE 10, AT LOCATION 23, REMOVE EXISTING SCREW AND INSTALL ON EXISTING HARDWARE CLAMP P/N MS25281-R6, GROMMET P/N 999-1700-03-102 BY MEANS OF SCREW P/N NAS1190E3P22AK.	N/A SN = 31763	N/A	 [Signature]	16.2.23
		4.15 WITH REFERENCE TO FIGURE 10, AT LOCATION 24, REMOVE EXISTING SCREW AND INSTALL ON EXISTING HARDWARE CLAMP P/N MS25281-R6, GROMMET P/N 999-1700-03-102 AND SPACER P/N NAS43DD3-39N BY MEANS OF SCREW P/N NAS1190E3P22AK.	N/A SN = 31763	N/A	 [Signature]	16.2.23
		4.16 WITH REFERENCE TO FIGURES 10 AND 9 VIEW E-E, AT LOCATION 25, INSTALL ANCHOR NUT P/N AW001TL3A06T BY MEANS OF ADHESIVE EA9309.3NA (C021) AND INSTALL CLAMP P/N MS25281-R6, GROMMET P/N 999-1700-03-102 AND SPACER P/N NAS43DD3-15N BY MEANS OF SCREW P/N NAS1801-3-20 AND WASHER P/N NAS1149DD03321.	N/A SN = 31763	N/A	 [Signature]	16.2.23
		4.17 WITH REFERENCE TO FIGURE 10, AT LOCATIONS 26-27, REMOVE EXISTING SPACERS AND INSTALL USING EXISTING HARDWARE N°2 CLAMP P/N MS25281-R6, N°2 GROMMET P/N 999-1700-03-102 AND N°2 SPACER P/N NAS43DD3-60N.	N/A SN = 31763	N/A	 [Signature]	16.2.23
		4.18 IN ACCORDANCE WITH APPLICABLE STEP OF AMP DM 39-A-20-10-09-00A-920A-A AND WITH REFERENCE TO FIGURES 10, AT LOCATIONS 28-29-30, INSTALL N°3 STUDS P/N A366A3E12C BY MEANS OF ADHESIVE EA9309.3NA (C021) AND INSTALL N°3 CLAMPS P/N MS25281-R6, N°3 GROMMETS P/N 999-1700-03-102 BY MEANS OF N°3 NUTS P/N MS21042L3 AND N°3 WASHERS P/N NAS1149DD03321.	N/A SN = 31763	N/A	 [Signature]	16.2.23


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NO	SOURCE	TASK / REFERENCE	REMARKS	MECHANIC SIGN	* AH SIGN & STAMP	DATE
		4.19 WITH REFERENCE TO FIGURE 10, AT LOCATION 31, INSTALL SUPPORT P/N A630A31 BY MEANS OF ADHESIVE EA9309.3NA (C021). NOTE USE EDGING P/N A236A ON METALLIC EDGES WHICH CAN DAMAGE CABLE ASSEMBLIES AND WHERE ABRASION MAY OCCUR. USE BRAIDED TUBING P/N A582A WHERE CABLE ASSEMBLIES CHAFING OR CONTACT WITH STRUCTURE MAY OCCUR. NOTE USE NOMEX SLEEVE P/N A582A08 TO COVER CABLE ASSEMBLY B3B220 FOR A LENGTH OF 950.0, BETWEEN STA 5700 AND STA 6700, THEN BAND IT WITH EXISTING LOOM CABLE ASSEMBLY (B2B2) USING THE STRAPS (REFER TO FIGURE 9 VIEW D-D). 4.20 WITH REFERENCE TO FIGURES 3 THRU 10, LAY DOWN THE BELOW C/AS FOLLOWING THE EXISTING ROUTE UNLESS OTHERWISE INDICATED ON THE FIGURES: <ul style="list-style-type: none"> • VHF/FM (NPX138 COMM 3) C/A P/N 3G9A01B35201 (A1B352); • VHF/FM (NPX138 COMM 3) C/A P/N 3G9A02B32701 (A2B327); • VHF/FM (NPX138 COMM 3) C/A P/N 3G9B01B42401 (B1B424); • VHF/FM (NPX138 COMM 3) C/A P/N 3G9B03B22001 (B3B220). SECURE THE CABLES BY MEANS OF PREVIOUSLY INSTALLED FIXING HARDWARE, EXISTING HARDWARE AND LACING CORD P/N 900004953.	n/a SN = 31763	n/a		16/12/23
		4.20 WITH REFERENCE TO FIGURES 3 THRU 10, LAY DOWN THE BELOW C/AS FOLLOWING THE EXISTING ROUTE UNLESS OTHERWISE INDICATED ON THE FIGURES: <ul style="list-style-type: none"> • VHF/FM (NPX138 COMM 3) C/A P/N 3G9A01B35201 (A1B352); • VHF/FM (NPX138 COMM 3) C/A P/N 3G9A02B32701 (A2B327); • VHF/FM (NPX138 COMM 3) C/A P/N 3G9B01B42401 (B1B424); • VHF/FM (NPX138 COMM 3) C/A P/N 3G9B03B22001 (B3B220). SECURE THE CABLES BY MEANS OF PREVIOUSLY INSTALLED FIXING HARDWARE, EXISTING HARDWARE AND LACING CORD P/N 900004953.	n/a SN = 31763	n/a		16/12/23

PARTS / MATERIAL USED / COMPONENT CHANGE RECORD HAVE BEEN RAISED AND ATTACHED.
 CALIBRATED / SPECIAL TOOLS RECORD SHEET HAVE BEEN RAISED AND ATTACHED.

* APPROVAL HOLDER HAVE VERIFIED THAT ALL TOOLS, EQUIPMENT AND OTHER EXTRANEOUS PART OF MATERIALS ARE CLEARED AND ALL TASKS OR INSPECTIONS HAVE BEEN CARRIED OUT TO THE REQUIRED STANDARD. TASK HAS BEEN PERFORMED I.A.W MAINTENANCE MANUAL SPECIFIED IN WORKPACK INDEX LM/QA/GEN/01.





NO	SOURCE	TASK / REFERENCE	REMARKS	MECHANIC SIGN	* AH SIGN & STAMP	DATE
		<p style="text-align: center;"><u>NOTE</u></p> <p>WHERE NECESSARY AND IN ACCORDANCE WITH AMP DM 39-A-20-10-08-00A-622A-A CRIMP ON WIRES INDICATED ELECTRICAL CONTACTS BY MEANS OF PROPER CRIMPING TOOL.</p> <p>4.21 WITH REFERENCE TO FIGURES 4 THRU 6 AND FIGURES 30 AND 31 WIRING DIAGRAMS, PERFORM THE ELECTRICAL CONNECTION OF C/A A1B352 BETWEEN SECTIONING CONNECTOR P100, CONNECTOR PL104P101, CONNECTORS TB126P1 AND TB132P1, GROUND MODULE TB138 AND JUNCTION MODULE TB136-3. IF NECESSARY, USE THE FOLLOWING ELECTRICAL CONTACTS:</p> <ul style="list-style-type: none"> • N°7 ELECTRICAL CONTACTS P/N M39029/63-368 FOR PL104P101 SIDE; • N°1 ELECTRICAL CONTACT P/N M39029/58-363 FOR P100 SIDE; • N°2 ELECTRICAL CONTACTS P/N M39029/56-351 FOR TB126P1 AND TB132P1 SIDES; • N°2 ELECTRICAL CONTACTS P/N A523A-A02 FOR TB136-3 AND TB138 SIDES. <p>4.22 WITH REFERENCE TO FIGURES 4, 5 AND FIGURE 30 WIRING DIAGRAM, PERFORM THE ELECTRICAL CONNECTION OF C/A A2B327 BETWEEN CONNECTOR TB104P1 AND CONNECTOR PL104P101. IF NECESSARY, USE THE FOLLOWING ELECTRICAL CONTACTS:</p> <ul style="list-style-type: none"> • N°6 ELECTRICAL CONTACTS P/N M39029/63-368 FOR PL104P101 SIDE; • N°5 ELECTRICAL CONTACT P/N M39029/56-348 FOR TB104P1 SIDE. 	<p style="text-align: center;">~VA</p> <p style="text-align: center;">~VA</p>	<p style="text-align: center;">~VA</p> <p style="text-align: center;">~VA</p>	<p style="text-align: center;"><i>add</i></p> <p style="text-align: center;"></p>	<p style="text-align: center;">16.2.23</p> <p style="text-align: center;">16.2.23</p>
<input type="checkbox"/> PARTS / MATERIAL USED / COMPONENT CHANGE RECORD HAVE BEEN RAISED AND ATTACHED.		<input type="checkbox"/> CALIBRATED / SPECIAL TOOLS RECORD SHEET HAVE BEEN RAISED AND ATTACHED.				
<p>* APPROVAL HOLDER HAVE VERIFIED THAT ALL TOOLS, EQUIPMENT AND OTHER EXTRANEIOUS PART OF MATERIALS ARE CLEARED AND ALL TASKS OR INSPECTIONS HAVE BEEN CARRIED OUT TO THE REQUIRED STANDARD. TASK HAS BEEN PERFORMED I.A.W MAINTENANCE MANUAL SPECIFIED IN WORKPACK INDEX LM/QA/GEN/01.</p>						

NO	SOURCE	TASK / REFERENCE	REMARKS	MECHANIC SIGN	* AH SIGN & STAMP	DATE
		<p>4.23 WITH REFERENCE TO FIGURES 6, 7 AND FIGURE 30 WIRING DIAGRAM, PERFORM THE ELECTRICAL CONNECTION OF C/A B1B424 BETWEEN SECTIONING CONNECTOR J100 AND CIRCUIT BREAKER PANEL CONNECTOR PL1P2. IF NECESSARY, USE THE FOLLOWING ELECTRICAL CONTACTS:</p> <ul style="list-style-type: none"> N°6 ELECTRICAL CONTACTS P/N M39029/56-351 FOR J100 SIDE; N°1 ELECTRICAL CONTACT P/N M39029/58-363 FOR PL1P2 SIDE. <p>4.24 MODIFY THE AUXILIARY C/B PANEL ON THE OVERHEAD PANEL, AS DESCRIBED IN THE FOLLOWING PROCEDURE:</p>	<p>n/a</p> <p>SW - 31763</p>	n/a		16.2.23
		<p>NOTE</p> <p>CUSTOMER MUST CONTACT AW139 PSE AT LEAST 3 MONTHS IN ADVANCE OF EMBODIMENT DATE OF THIS SERVICE BULLETIN IN ORDER TO COLLECT THE EXACT W/D APPLICABLE TO HELICOPTER CONFIGURATION.</p> <p>4.24.1 WITH REFERENCE TO AMP DM 39-B-24-91-02-00A-921A-K REMOVE FROM THE OVERHEAD C/B PANEL THE EXISTING INTEGRALLY-LIGHTED PANEL AND INSTALL THE NEW INTEGRALLY-LIGHTED PANEL P/N 3G2490LXXXXX.</p> <p>4.24.2 INSTALL CIRCUIT BREAKER P/N MS3320-5 IN THE INDICATED POSITION ON THE NEW INTEGRALLY-LIGHTED PANEL P/N 3G2490LXXXXX; APPLY DECAL P/N ED300CB345 IN AN ADJACENT AREA.</p>	<p>n/a</p> <p>SW - 31763</p>	n/a		16.2.23
		<p>4.24.2 INSTALL CIRCUIT BREAKER P/N MS3320-5 IN THE INDICATED POSITION ON THE NEW INTEGRALLY-LIGHTED PANEL P/N 3G2490LXXXXX; APPLY DECAL P/N ED300CB345 IN AN ADJACENT AREA.</p>	<p>n/a</p> <p>SW - 31763</p>	n/a		16.2.23

PARTS / MATERIAL USED / COMPONENT CHANGE RECORD HAVE BEEN RAISED AND ATTACHED.

CALIBRATED / SPECIAL TOOLS RECORD SHEET HAVE BEEN RAISED AND ATTACHED.




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NO	SOURCE	TASK / REFERENCE	REMARKS	MECHANIC SIGN	* AH SIGN & STAMP	DATE
		<p>4.24.3 PERFORM THE ELECTRICAL CONNECTION BETWEEN PIN 2 OF CB345 AND PIN 7 OF CONNECTOR PL1J2 BY MEANS OF ELECTRICAL WIRE A556A-T20. USE ELECTRICAL CONTACT P/N MS25036-149 FOR PIN 2 OF CB345 AND ELECTRICAL CONTACT P/N M39029/56-351 FOR PIN 7 OF PL1J2. CONNECT CB345 TO 28VDC NON ESS BUS 2 W12A.</p> <p>4.25 PERFORM A PIN-TO-PIN CONTINUITY CHECK OF ALL THE ELECTRICAL CONNECTIONS MADE.</p>	<p>n/a</p> <p>sn = 31963</p>	n/a	<p>add</p> <p></p>	16/12/23
		<p>NOTE</p> <p>PERFORM THE FOLLOWING STEP 4.26 ONLY IF PART II OF THIS SERVICE BULLETIN IS NOT INTENDED TO BE PERFORMED CONSEQUENTLY TO PART I.</p> <p>4.26 WITH REFERENCE TO FIGURE 4 DETAIL A, PROTECT AND STOW THE CABLE CONNECTOR PL104P101 AS DESCRIBED IN THE FOLLOWING PROCEDURE:</p> <p>4.26.1 APPLY THE PROTECTIVE CAP P/N DCC-03 ON THE CONNECTOR.</p> <p>4.26.2 COVER WITH NOMEX SLEEVE P/N A582A25 AND USE THE STRAP P/N 900004953 TO FIRMLY TIE DOWN THE SLEEVE ON THE CONNECTOR.</p> <p>4.26.3 FIX CONNECTOR TO THE SUPPORT PREVIOUSLY INSTALLED.</p>	<p>n/a</p> <p>part 2 COMBINE IMMEDIATELY</p>	n/a	<p>add</p> <p></p>	16/12/23
			<p>n/a</p> <p>part 2 COMBINE IMMEDIATELY</p>	n/a	<p>add</p> <p></p>	16/12/23
			<p>n/a</p> <p>part 2 COMBINE IMMEDIATELY</p>	n/a	<p>add</p> <p></p>	16/12/23

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NO	SOURCE	TASK / REFERENCE	REMARKS	MECHANIC SIGN	* AH SIGN & STAMP	DATE
5	-	<p>4.27 WITH REFERENCE TO FIGURE 4 DETAIL B, PROTECT AND STOW THE CABLE CONNECTORS PL104P702 AND E68P1 AS DESCRIBED IN THE FOLLOWING PROCEDURE:</p> <p>4.27.1 APPLY N°2 PROTECTIVE CAPS P/N MS90376-12Y ON THE CONNECTORS.</p> <p>4.27.2 COVER WITH NOMEM SLEEVES P/N A582A32 AND USE THE STRAPS P/N 900004953 TO FIRMLY TIE DOWN THE SLEEVES ON THE CONNECTORS.</p> <p>4.27.3 FIX CONNECTORS TO THE SUPPORTS PREVIOUSLY INSTALLED.</p> <p>NOTE</p> <p>PERFORM FOLLOWING STEP 5 FOR AW139 HELICOPTERS FROM S/N 31400 TO S/N 31699 AND FROM S/N 41300 TO S/N 41499.</p> <p>IN ACCORDANCE WITH AMP DM 39-A-06-41-00-00A-010A-A AND WITH REFERENCE TO FIGURES 11 THRU 19 AND FIGURES 30 AND 31 WIRING DIAGRAMS, GAIN ACCESS TO THE AREA AFFECTED BY THE INSTALLATION AND PERFORM VHF/FM NAT NPX138 (COMM3) ELECTRICAL PROVISION P/N 3G2310A03312 AS DESCRIBED IN THE FOLLOWING PROCEDURE:</p> <p>5.1 WITH REFERENCE TO FIGURE 12, AT THE INDICATED LOCATIONS, INSTALL SUPPORT P/N AW001CL002C-X1, SUPPORT P/N AW001CL003AT-X1 AND N°2 SUPPORT P/N AW001CL002A-X1 BY MEANS OF ADHESIVE EA9309.3NA (C021).</p>	<p>N/A</p> <p>SN = 31763</p> <p>N/A</p> <p>SN = 31763</p> <p>N/A</p> <p>SN = 31763</p> <p>N/A</p> <p>SN = 31763</p>	<p>N/A</p> <p>N/A</p> <p>N/A</p> <p>N/A</p> <p>N/A</p> <p>N/A</p>	<p><i>act</i></p> <p></p> <p><i>act</i></p> <p></p> <p><i>act</i></p> <p></p>	<p>16.2.23</p> <p>16.2.23</p> <p>16.2.23</p>

PARTS / MATERIAL USED / COMPONENT CHANGE RECORD HAVE BEEN RAISED AND ATTACHED.











CALIBRATED / SPECIAL TOOLS RECORD SHEET HAVE BEEN RAISED AND ATTACHED.

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NO	SOURCE	TASK / REFERENCE	REMARKS	MECHANIC SIGN	* AH SIGN & STAMP	DATE
		5.2 WITH REFERENCE TO FIGURE 12, AT LOCATIONS 3-4, INSTALL N°2 GROMMETS P/N AW002FT109.	N/A SN = 51963	N/A		22/12/23
		5.3 WITH REFERENCE TO FIGURE 16, AT LOCATION 5, REMOVE EXISTING GROMMET AND INSTALL ON EXISTING HARDWARE GROMMET P/N AW002FT110.	N/A SN = 51963	N/A		22/12/23
		5.4 WITH REFERENCE TO FIGURE 17, AT LOCATION 6, REMOVE EXISTING SCREW AND INSTALL ON EXISTING HARDWARE CLAMP P/N MS25281-R6, GROMMET P/N AW002FT102 AND SPACER P/N NAS43DD3-15N BY MEANS OF SCREW P/N NAS1802-3-22.	N/A SN = 51963	N/A		22/12/23
		5.5 WITH REFERENCE TO FIGURE 17, AT LOCATION 7, REMOVE EXISTING SCREW, WASHER AND CLAMP AND INSTALL ON EXISTING HARDWARE CLAMP P/N MS25281-R6, CLAMP P/N AW001CB03H, GROMMET P/N AW002FT102 AND SPACER P/N NAS43DD3-35N BY MEANS OF SCREW P/N NAS1802-3-23.	N/A SN = 51963	N/A		22/12/23
		5.6 WITH REFERENCE TO FIGURE 17, AT LOCATION 8, REMOVE EXISTING SCREW AND INSTALL ON EXISTING HARDWARE CLAMP P/N MS25281-R6, GROMMET P/N AW002FT102 AND SPACER P/N NAS43DD3-15N BY MEANS OF SCREW P/N NAS1802-3-22.	N/A SN = 51963	N/A		22/12/23
		5.7 WITH REFERENCE TO FIGURE 17, AT LOCATIONS 9 AND 12, INSTALL ON EXISTING HARDWARE N°2 CLAMP P/N MS25291-R16 AND N°2 GROMMET P/N AW002FT110.	N/A SN = 51963	N/A		22/12/23
		5.8 WITH REFERENCE TO FIGURE 17, AT LOCATIONS 10-11, REMOVE EXISTING SCREWS AND INSTALL ON EXISTING HARDWARE N°2 CLAMPS P/N MS25281-R6, N°2 GROMMETS P/N AW002FT102 AND N°2 SPACERS P/N NAS43DD3-15N BY MEANS OF SCREWS N°2 P/N NAS1802-3-22.	N/A SN = 51963	N/A		22/12/23

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NO	SOURCE	TASK / REFERENCE	REMARKS	MECHANIC SIGN	* AH SIGN & STAMP	DATE
		5.9 WITH REFERENCE TO FIGURE 17, AT LOCATIONS 13-14, REMOVE EXISTING SCREWS AND INSTALL ON EXISTING HARDWARE N°2 CLAMPS P/N MS25281-R6, N°2 GROMMETS P/N AW002FT102 AND N°2 SPACERS P/N NAS43DD3-15N BY MEANS OF SCREWS N°2 P/N NAS1802-3-23.	N/A SN = 51965	N/A	 	22/12/23
		5.10 WITH REFERENCE TO FIGURE 19, AT LOCATION 15, REMOVE EXISTING SCREW AND WASHER, INSTALL ON EXISTING HARDWARE CLAMP P/N MS25281-R9, GROMMET P/N AW002FT109 AND SPACER P/N NAS43DD3-50N BY MEANS OF SCREW P/N NAS1190E3P32AK AND WASHER P/N NAS1149D0332J.	N/A SN = 51965	N/A	 	22/12/23
		5.11 WITH REFERENCE TO FIGURE 19, AT LOCATION 16, REMOVE EXISTING SCREW AND WASHER, INSTALL ON EXISTING HARDWARE CLAMP P/N MS25281-R9, GROMMET P/N AW002FT109 AND SPACER P/N NAS43DD3-50N BY MEANS OF SCREW P/N NAS1190E3P32AK.	N/A SN = 51965	N/A	 	22/12/23
		5.12 WITH REFERENCE TO FIGURE 19, AT LOCATION 17, REMOVE EXISTING SCREW AND WASHER, INSTALL ON EXISTING HARDWARE CLAMP P/N MS25281-R9, GROMMET P/N AW002FT109 AND SPACER P/N NAS43DD3-64N BY MEANS OF SCREW P/N NAS1190E3P25AK.	N/A SN = 51965	N/A	 	22/12/23
		5.13 WITH REFERENCE TO FIGURES 19 VIEW E-E, AT LOCATION 18, REMOVE EXISTING SCREW AND WASHER, INSTALL ON EXISTING HARDWARE CLAMP P/N MS25281-R9, GROMMET P/N AW002FT109 AND SPACER P/N NAS43DD3-50N BY MEANS OF SCREW P/N NAS1802-3-23.	N/A SN = 51965	N/A	 	22/12/23

PARTS / MATERIAL USED / COMPONENT CHANGE RECORD HAVE BEEN RAISED AND ATTACHED.

CALIBRATED / SPECIAL TOOLS RECORD SHEET HAVE BEEN RAISED AND ATTACHED.

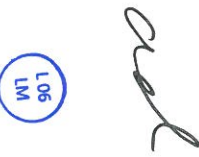

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NO	SOURCE	TASK / REFERENCE	REMARKS	MECHANIC SIGN	* AH SIGN & STAMP	DATE
		5.14 IN ACCORDANCE WITH APPLICABLE STEP OF AMP DM 39-A-20-10-09-00A-920A-A AND WITH REFERENCE TO FIGURES 19, AT LOCATIONS 19-20, INSTALL N°2 STANDOFFS P/N A388A3E08C BY MEANS OF ADHESIVE EA9309.3NA (C021) AND INSTALL N°2 CLAMPS P/N MS25281-R9, N°2 GROMMETS P/N AW002FT109 BY MEANS OF N°2 SCREWS P/N NAS1190E3P6AK.	N/A N = 3 1765	N/A		22/2/23
		5.15 IN ACCORDANCE WITH APPLICABLE STEP OF AMP DM 39-A-20-10-09-00A-920A-A AND WITH REFERENCE TO FIGURES 19, AT LOCATIONS 21-22-23, INSTALL N°3 STANDOFFS P/N A388A3E12C BY MEANS OF ADHESIVE EA9309.3NA (C021) AND INSTALL N°3 CLAMPS P/N MS25281-R9, N°3 GROMMETS P/N AW002FT109 BY MEANS OF N°3 SCREWS P/N NAS1190E3P8AK.	N/A N = 3 1765	N/A		22/2/23
		5.16 WITH REFERENCE TO FIGURES 19, AT LOCATION 24, INSTALL SUPPORT P/N AW001C1002A-X1 BY MEANS OF ADHESIVE EA9309.3NA (C021).	N/A N = 3 1765	N/A		22/2/23
		<p>NOTE</p> <p>USE EDGING P/N A236A ON METALLIC EDGES WHICH CAN DAMAGE CABLE ASSEMBLIES AND WHERE ABRASION MAY OCCUR.</p> <p>USE BRAIDED TUBING P/N A582A WHERE CABLE ASSEMBLIES CHAFING OR CONTACT WITH STRUCTURE MAY OCCUR.</p> <p>NOTE</p> <p>USE NOMEX SLEEVE P/N A582A05 TO COVER CABLE ASSEMBLY B3B220 AS REQUIRED (REFER TO FIGURE 18).</p>				

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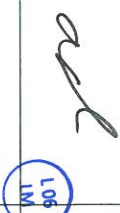






NO	SOURCE	TASK / REFERENCE	REMARKS	MECHANIC SIGN	* AH SIGN & STAMP	DATE
		<p>5.17 WITH REFERENCE TO FIGURES 11 THRU 19, LAY DOWN THE BELOW C/AS FOLLOWING THE EXISTING ROUTE UNLESS OTHERWISE INDICATED ON THE FIGURES:</p> <ul style="list-style-type: none"> • VHE/FM (NPX138 COMM 3) C/A P/N 3G9A01B35201 (A1B352); • VHE/FM (NPX138 COMM 3) C/A P/N 3G9A02B32701 (A2B327); • VHE/FM (NPX138 COMM 3) C/A P/N 3G9B01B42401 (B1B424); • VHE/FM (NPX138 COMM 3) C/A P/N 3G9B03B22001 (B3B220). <p>SECURE THE CABLES BY MEANS OF PREVIOUSLY INSTALLED FIXING HARDWARE, EXISTING HARDWARE AND LACING CORD P/N 900004953.</p>	<p>NA</p> <p>NA = 5/17/23</p>	<p>NA</p>		<p>22/12/23</p>
		<p>NOTE</p> <p>WHERE NECESSARY AND IN ACCORDANCE WITH AMP DM 39-A-20-10-08-00A-622A-A CRIMP ON WIRES INDICATED ELECTRICAL CONTACTS BY MEANS OF PROPER CRIMPING TOOL.</p> <p>5.18 WITH REFERENCE TO FIGURES 12 THRU 14 AND FIGURES 30 AND 31 WIRING DIAGRAMS, PERFORM THE ELECTRICAL CONNECTION OF C/A A1B352 BETWEEN SECTIONING CONNECTOR P100, CONNECTOR PL104P101, CONNECTORS TB126P1 AND TB132P1, GROUND MODULE TB138 AND JUNCTION MODULE TB136-3. IF NECESSARY, USE THE FOLLOWING ELECTRICAL CONTACTS:</p> <ul style="list-style-type: none"> • N°7 ELECTRICAL CONTACTS P/N M39029/63-368 FOR PL104P101 SIDE; • N°1 ELECTRICAL CONTACT P/N M39029/58-363 FOR P100 SIDE; • N°2 ELECTRICAL CONTACTS P/N M39029/56-351 FOR TB126P1 AND TB132P1 SIDES; • N°2 ELECTRICAL CONTACTS P/N A523A-A02 FOR TB136-3 AND TB138 SIDES. 	<p>NA</p> <p>NA = 5/17/23</p>	<p>NA</p>		<p>22/12/23</p>
<p><input type="checkbox"/> PARTS / MATERIAL USED / COMPONENT CHANGE RECORD HAVE BEEN RAISED AND ATTACHED.</p> <p><input type="checkbox"/> CALIBRATED / SPECIAL TOOLS RECORD SHEET HAVE BEEN RAISED AND ATTACHED.</p>						
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NO	SOURCE	TASK / REFERENCE	REMARKS	MECHANIC SIGN	* AH SIGN & STAMP	DATE
		5.19 WITH REFERENCE TO FIGURES 12, 13 AND FIGURE 30 WIRING DIAGRAM, PERFORM THE ELECTRICAL CONNECTION OF C/A A2B327 BETWEEN CONNECTOR TB104P1 AND CONNECTOR PL104P101. IF NECESSARY, USE THE FOLLOWING ELECTRICAL CONTACTS: • N°6 ELECTRICAL CONTACTS P/N M39029/63-368 FOR PL104P101 SIDE; • N°5 ELECTRICAL CONTACT P/N M39029/56-348 FOR TB104P1 SIDE;	~ N/A M = 51763	~ N/A		22/2/23
		5.20 WITH REFERENCE TO FIGURES 14, 15 AND FIGURE 30 WIRING DIAGRAM, PERFORM THE ELECTRICAL CONNECTION OF C/A B1B424 BETWEEN SECTIONING CONNECTOR J100 AND CIRCUIT BREAKER PANEL CONNECTOR PL1P2. IF NECESSARY, USE THE FOLLOWING ELECTRICAL CONTACTS: • N°6 ELECTRICAL CONTACTS P/N M39029/56-351 FOR J100 SIDE; • N°1 ELECTRICAL CONTACT P/N M39029/58-363 FOR PL1P2 SIDE;	~ N/A M = 73763	~ N/A		22/2/23
		5.21 MODIFY THE AUXILIARY C/B PANEL ON THE OVERHEAD PANEL, AS DESCRIBED IN THE FOLLOWING PROCEDURE: NOTE CUSTOMER MUST CONTACT AW139 PSE AT LEAST 3 MONTHS IN ADVANCE OF EMBODIMENT DATE OF THIS SERVICE BULLETIN IN ORDER TO COLLECT THE EXACT W/D APPLICABLE TO HELICOPTER CONFIGURATION.				

PARTS / MATERIAL USED / COMPONENT CHANGE RECORD HAVE BEEN RAISED AND ATTACHED.

CALIBRATED / SPECIAL TOOLS RECORD SHEET HAVE BEEN RAISED AND ATTACHED.







* APPROVAL HOLDER HAVE VERIFIED THAT ALL TOOLS, EQUIPMENT AND OTHER EXTRANEIOUS PART OF MATERIALS ARE CLEARED AND ALL TASKS OR INSPECTIONS HAVE BEEN CARRIED OUT TO THE REQUIRED STANDARD. TASK HAS BEEN PERFORMED I.A.W MAINTENANCE MANUAL SPECIFIED IN WORKPACK INDEX LM/QA/GEN/01.

NO	SOURCE	TASK / REFERENCE	REMARKS	MECHANIC SIGN	* AH SIGN & STAMP	DATE
		5.21.1 WITH REFERENCE TO AMP DM 39-B-24-91-02-00A-921A-K, REMOVE FROM THE OVERHEAD C/B PANEL THE EXISTING INTEGRALLY-LIGHTED PANEL AND INSTALL THE NEW INTEGRALLY-LIGHTED PANEL P/N 3G2490LXXXXX.	N/A SN = 51963	N/A		22/12/23
		5.21.2 INSTALL CIRCUIT BREAKER P/N MS3320-5 IN THE INDICATED POSITION ON THE NEW INTEGRALLY-LIGHTED PANEL P/N 3G2490LXXXXX; APPLY DECAL P/N ED300CB345 IN AN ADJACENT AREA.	N/A SN = 51963			22/12/23
		5.21.3 PERFORM THE ELECTRICAL CONNECTION BETWEEN PIN 2 OF CB345 AND PIN 7 OF CONNECTOR PL112 BY MEANS OF ELECTRICAL WIRE A556A-T20. USE ELECTRICAL CONTACT P/N MS25036-149 FOR PIN 2 OF CB345 AND ELECTRICAL CONTACT P/N M39029/56-351 FOR PIN 7 OF PL112. CONNECT CB345 TO 28VDC NON ESS BUS 2 W12A.	N/A SN = 51963			22/12/23
		5.22 PERFORM A PIN-TO-PIN CONTINUITY CHECK OF ALL THE ELECTRICAL CONNECTIONS MADE.	N/A SN = 51963	N/A		22/12/23
		NOTE PERFORM THE FOLLOWING STEP 5.23 ONLY IF PART II OF THIS SERVICE BULLETIN IS NOT INTENDED TO BE PERFORMED CONSEQUENTLY TO PART I. 5.23 WITH REFERENCE TO FIGURE 12 DETAIL A, PROTECT AND STOW THE CABLE CONNECTOR PL104P101 AS DESCRIBED IN THE FOLLOWING PROCEDURE: 5.23.1 APPLY THE PROTECTIVE CAP P/N DCC-03 ON THE CONNECTOR.	N/A SN = 51963	N/A		22/12/23

PARTS / MATERIAL USED / COMPONENT CHANGE RECORD HAVE BEEN RAISED AND ATTACHED.

CALIBRATED / SPECIAL TOOLS RECORD SHEET HAVE BEEN RAISED AND ATTACHED.













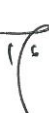

* APPROVAL HOLDER HAVE VERIFIED THAT ALL TOOLS, EQUIPMENT AND OTHER EXTRANEIOUS PART OF MATERIALS ARE CLEARED AND ALL TASKS OR INSPECTIONS HAVE BEEN CARRIED OUT TO THE REQUIRED STANDARD. TASK HAS BEEN PERFORMED I.A.W MAINTENANCE MANUAL SPECIFIED IN WORKPACK INDEX LM/QA/GEN/01.

NO	SOURCE	TASK / REFERENCE	REMARKS	MECHANIC SIGN	* AH SIGN & STAMP	DATE
		5.23.2 COVER WITH NOMEX SLEEVE P/N A582A25 AND USE TIE STRAP P/N 900004953 TO FIRMLY TIE DOWN THE SLEEVE ON THE CONNECTOR.	N/A SN = 51963	N/A	adl 	22/2/23
		5.23.3 FIX CONNECTOR TO THE SUPPORT PREVIOUSLY INSTALLED.	N/A SN = 51963	N/A	adl 	22/2/23
		5.24 WITH REFERENCE TO FIGURE 12 DETAIL B, PROTECT AND STOW THE CABLE CONNECTORS PL104P702 AND E68P1 AS DESCRIBED IN THE FOLLOWING PROCEDURE:	N/A	N/A	adl 	22/2/23
		5.24.1 APPLY N°2 PROTECTIVE CAPS P/N MS90376-12Y ON THE CONNECTORS.	SN = 51963	N/A	adl 	22/2/23
		5.24.2 COVER WITH NOMEX SLEEVES P/N A582A32 AND USE TIE STRAPS P/N 900004953 TO FIRMLY TIE DOWN THE SLEEVES ON THE CONNECTORS.	N/A SN = 51963	N/A	adl 	22/2/23
		5.24.3 FIX CONNECTORS TO THE SUPPORTS PREVIOUSLY INSTALLED.	N/A SN = 51963	N/A	adl 	22/2/23
6	-	<p>NOTE</p> <p>PERFORM FOLLOWING STEP 6 FOR AW139 HELICOPTERS FROM S/N 31700 ONWARDS AND FROM S/N 41500 ONWARDS.</p> <p>IN ACCORDANCE WITH AMP DMI 39-A-06-41-00-00A-010A-A AND WITH REFERENCE TO FIGURES 20 THRU 28 AND FIGURES 32 AND 33 WIRING DIAGRAMS, GAIN ACCESS TO THE AREA AFFECTED BY THE INSTALLATION AND PERFORM VHF/FM NAT NPX138 (COMM3) ELECTRICAL PROVISION P/N 3G2310A0313 AS DESCRIBED IN THE FOLLOWING PROCEDURE:</p>				

PARTS / MATERIAL USED / COMPONENT CHANGE RECORD HAVE BEEN RAISED AND ATTACHED.

CALIBRATED / SPECIAL TOOLS RECORD SHEET HAVE BEEN RAISED AND ATTACHED.

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NO	SOURCE	TASK / REFERENCE	REMARKS	MECHANIC SIGN	* AH SIGN & STAMP	DATE
		6.1 WITH REFERENCE TO FIGURE 21, AT THE INDICATED LOCATIONS, INSTALL SUPPORT P/N AW001C1002C-X1, SUPPORT P/N AW001C1003AT-X1 AND N°2 SUPPORT P/N AW001C1002A-X1 BY MEANS OF ADHESIVE EA9309.3NA (C021).	SATURDAY INSTALLED		 L06 LM	2/3/23
		6.2 WITH REFERENCE TO FIGURE 21, AT LOCATIONS 3-4, INSTALL N°2 GROMMETS P/N AW002FT109.	SATIS INSTALLED		 L06 LM	2/3/23
		6.3 WITH REFERENCE TO FIGURE 25, AT LOCATION 5, REMOVE EXISTING SCREW AND INSTALL ON EXISTING HARDWARE CLAMP P/N MS25281-R6, GROMMET P/N AW002FT102 AND SPACER P/N NAS43DD3-15N BY MEANS OF SCREW P/N NAS1802-3-22.	SATIS REMOVED, INSTALLED		 L06 LM	2/3/23
		6.4 WITH REFERENCE TO FIGURE 25, AT LOCATION 6, REMOVE EXISTING SCREW AND INSTALL ON EXISTING HARDWARE CLAMP P/N MS25281-R6, GROMMET P/N AW002FT102 AND SPACER P/N NAS43DD3-15N BY MEANS OF SCREW P/N NAS1802-3-22.	SATIS REMOVED, INSTALLED		 L06 LM	2/3/23
		6.5 WITH REFERENCE TO FIGURE 25, AT LOCATION 7, REMOVE EXISTING SCREW AND INSTALL ON EXISTING HARDWARE CLAMP P/N MS25281-R6, GROMMET P/N AW002FT102 AND SPACER P/N NAS43DD3-15N BY MEANS OF SCREW P/N NAS1802-3-22.	SATIS REMOVED, INSTALLED		 L06 LM	2/3/23
		6.6 WITH REFERENCE TO FIGURE 25, AT LOCATION 8, INSTALL ON EXISTING HARDWARE CLAMP P/N MS25291-R12 AND GROMMET P/N 999-1700-3-105.	SATIS INSTALLED		 L06 LM	2/3/23
		6.7 WITH REFERENCE TO FIGURE 25, AT LOCATIONS 9-10, REMOVE EXISTING SCREWS AND INSTALL ON EXISTING HARDWARE N°2 CLAMPS P/N MS25281-R6, N°2 GROMMETS P/N AW002FT102 AND N°2 SPACERS P/N NAS43DD3-15N BY MEANS OF SCREWS N°2 P/N NAS1802-3-22.	SATIS REMOVED, INSTALLED		 L06 LM	2/3/23

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CALIBRATED / SPECIAL TOOLS RECORD SHEET HAVE BEEN RAISED AND ATTACHED.





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NO	SOURCE	TASK / REFERENCE	REMARKS	MECHANIC SIGN	* AH SIGN & STAMP	DATE
		6.8 WITH REFERENCE TO FIGURE 25, AT LOCATION 11, INSTALL ON EXISTING HARDWARE CLAMP P/N MS25291-R12 AND GROMMET P/N 999-1700-3-105.	parts removed			2/13/23
		6.9 WITH REFERENCE TO FIGURE 25, AT LOCATIONS 12-13, REMOVE EXISTING SCREWS AND INSTALL ON EXISTING HARDWARE N°2 CLAMPS P/N MS25281-R6, N°2 GROMMETS P/N AW002FT102 AND N°2 SPACERS P/N NAS43DD3-15N BY MEANS OF SCREWS N°2 P/N NAS1802-3-23.	parts removed, hardware			2/15/23
		6.10 WITH REFERENCE TO FIGURES 25 AND 26 VIEW D-D, AT LOCATION 14, REMOVE EXISTING SCREW AND INSTALL ON EXISTING HARDWARE CLAMP P/N MS25281-R9, GROMMET P/N AW002FT109 AND SPACER P/N NAS43DD3-35N BY MEANS OF SCREW P/N NAS1802-3-19.	parts removed, hardware			2/15/23
		6.11 WITH REFERENCE TO FIGURE 28, AT LOCATION 15, REMOVE EXISTING SCREW AND WASHER, INSTALL ON EXISTING HARDWARE CLAMP P/N MS25281-R9, GROMMET P/N AW002FT109 BY MEANS OF SCREW P/N NAS1190E3P24AK.	parts removed, hardware			2/15/23
		6.12 WITH REFERENCE TO FIGURE 28, AT LOCATION 16, REMOVE EXISTING SCREW AND WASHER, INSTALL ON EXISTING HARDWARE CLAMP P/N MS25281-R9, GROMMET P/N AW002FT109 AND SPACER P/N NAS43DD3-50N BY MEANS OF SCREW P/N NAS1190E3P32AK.	parts removed, hardware			2/15/23
		6.13 WITH REFERENCE TO FIGURE 28, AT LOCATION 17, REMOVE EXISTING SCREW AND WASHER, INSTALL ON EXISTING HARDWARE CLAMP P/N MS25281-R9, GROMMET P/N AW002FT109 AND SPACER P/N NAS43DD3-64N BY MEANS OF SCREW P/N NAS1190E3P25AK.	parts removed, hardware			2/15/23

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CALIBRATED / SPECIAL TOOLS RECORD SHEET HAVE BEEN RAISED AND ATTACHED.

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NO	SOURCE	TASK / REFERENCE	REMARKS	MECHANIC SIGN	* AH SIGN & STAMP	DATE
		6.14 WITH REFERENCE TO FIGURES 28 AND 26 VIEW E-E, AT LOCATION 18, REMOVE EXISTING SCREW AND WASHER, INSTALL ON EXISTING HARDWARE CLAMP P/N MS25281-R9, GROMMET P/N AW002FT109 AND SPACER P/N NAS43DD3-50N BY MEANS OF SCREW P/N NAS1802-3-23.	<i>SATIS REMOVED, INSTALLED</i>	<i>[Signature]</i>	<i>[Signature]</i> 	<i>2/5/23</i>
		6.15 WITH REFERENCE TO FIGURE 28, AT LOCATIONS 19-20, REMOVE EXISTING SCREWS AND WASHERS, INSTALL ON EXISTING HARDWARE N°2 CLAMPS P/N MS25281-R9, N°2 GROMMETS P/N AW002FT109 AND N°2 SPACERS P/N NAS43DD3-50N BY MEANS OF SCREWS N°2 P/N NAS1190E3P35AK.	<i>SATIS REMOVED, INSTALLED</i>	<i>[Signature]</i>	<i>[Signature]</i> 	<i>2/5/23</i>
		6.16 IN ACCORDANCE WITH APPLICABLE STEP OF AMP DM 39-A-20-10-09-00A-920A-A AND WITH REFERENCE TO FIGURES 28, AT LOCATIONS 21-22-23, INSTALL N°3 STANDOFFS P/N A388A3E12C BY MEANS OF ADHESIVE EA9309.3NA (C021) AND INSTALL N°3 CLAMPS P/N MS25281-R9, N°3 GROMMETS P/N AW002FT109 BY MEANS OF N°3 SCREWS P/N NAS1190E3P35AK.	<i>SATIS INSTALLED</i>	<i>[Signature]</i>	<i>[Signature]</i> 	<i>2/5/23</i>
		6.17 WITH REFERENCE TO FIGURES 28, AT LOCATION 24, INSTALL SUPPORT P/N AW001CLO02A-X1 BY MEANS OF ADHESIVE EA9309.3NA (C021).	<i>SATIS INSTALLED</i>	<i>[Signature]</i>	<i>[Signature]</i> 	<i>2/5/23</i>
		NOTE USE EDGING P/N A236A ON METALLIC EDGES WHICH CAN DAMAGE CABLE ASSEMBLIES AND WHERE ABRASION MAY OCCUR. USE BRAIDED TUBING P/N A582A WHERE CABLE ASSEMBLIES CHAFING OR CONTACT WITH STRUCTURE MAY OCCUR.				













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NO	SOURCE	TASK / REFERENCE	REMARKS	MECHANIC SIGN	* AH SIGN & STAMP	DATE
		6.18 WITH REFERENCE TO FIGURES 20 THRU 28, LAY DOWN THE BELOW C/AS FOLLOWING THE EXISTING ROUTE UNLESS OTHERWISE INDICATED ON THE FIGURES: • VHF/FM (NPX138 COMM 3) C/A P/N 3G9A01B35221 (A1B352); • VHF/FM (NPX138 COMM 3) C/A P/N 3G9A02B32721 (A2B327); • VHF/FM (NPX138 COMM 3) C/A P/N 3G9B01B42421 (B1B424); • VHF/FM (NPX138 COMM 3) C/A P/N 3G9B03B22021 (B3B220). SECURE THE CABLES BY MEANS OF PREVIOUSLY INSTALLED FIXING HARDWARE, EXISTING HARDWARE AND LACING CORD P/N 900004953.	SATIS C A Y E O, SECURED		 	2/5/23
		6.19 WITH REFERENCE TO FIGURES 21 THRU 23 AND FIGURES 32 AND 33 WIRING DIAGRAMS, PERFORM THE ELECTRICAL CONNECTION OF C/A A1B352 BETWEEN SECTIONING CONNECTOR P100, CONNECTOR PL104P101, CONNECTORS TB126P1 AND TB132P1, GROUND MODULE TB138 AND JUNCTION MODULE TB136-3.	Satisfactory performed		 	6/3/23
		6.20 WITH REFERENCE TO FIGURES 21, 22 AND FIGURE 32 WIRING DIAGRAM, PERFORM THE ELECTRICAL CONNECTION OF C/A A2B327 BETWEEN CONNECTOR TB104P1 AND CONNECTOR PL104P101.	Satisfactory performed		 	6/3/23
		6.21 WITH REFERENCE TO FIGURES 23, 24 AND FIGURE 32 WIRING DIAGRAM, PERFORM THE ELECTRICAL CONNECTION OF C/A B1B424 BETWEEN SECTIONING CONNECTOR J100 AND CIRCUIT BREAKER PANEL CONNECTOR PL1P2.	Satisfactory performed		 	6/2/23

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NO	SOURCE	TASK / REFERENCE	REMARKS	MECHANIC SIGN	* AH SIGN & STAMP	DATE
		<p>6.22 MODIFY THE AUXILIARY C/B PANEL ON THE OVERHEAD PANEL, AS DESCRIBED IN THE FOLLOWING PROCEDURE:</p> <p>NOTE CUSTOMER MUST CONTACT AW139 PSE AT LEAST 3 MONTHS IN ADVANCE OF EMBODIMENT DATE OF THIS SERVICE BULLETIN IN ORDER TO COLLECT THE EXACT W/D APPLICABLE TO HELICOPTER CONFIGURATION.</p> <p>6.22.1 WITH REFERENCE TO AMP DM 39-B-24-91-02-00A-921A-K REMOVE FROM THE OVERHEAD C/B PANEL THE EXISTING INTEGRALLY-LIGHTED PANEL AND INSTALL THE NEW INTEGRALLY-LIGHTED PANEL P/N 3G2490LXXXX.</p> <p>6.22.2 INSTALL CIRCUIT BREAKER P/N MS3320-5 IN THE INDICATED POSITION ON THE NEW INTEGRALLY-LIGHTED PANEL P/N 3G2490LXXXX; APPLY DECAL P/N ED300CB345 IN AN ADJACENT AREA.</p> <p>6.22.3 PERFORM THE ELECTRICAL CONNECTION BETWEEN PIN 2 OF CB345 AND PIN 7 OF CONNECTOR PL1J2 BY MEANS OF ELECTRICAL WIRE A556A-T20. USE ELECTRICAL CONTACT P/N MS25036-149 FOR PIN 2 OF CB345 AND ELECTRICAL CONTACT P/N M39029/56-351 FOR PIN 7 OF PL1J2. CONNECT CB345 TO 28VDC NON ESS BUS 2 W12A.</p> <p>6.23 PERFORM A PIN-TO-PIN CONTINUITY CHECK OF ALL THE ELECTRICAL CONNECTIONS MADE.</p>	<p>REFER TO PSE TO/TOOLS/00079 AND W/D TOOLS/1504/007-189.</p>		 	10/13/23
		<p>6.22.2 INSTALL CIRCUIT BREAKER P/N MS3320-5 IN THE INDICATED POSITION ON THE NEW INTEGRALLY-LIGHTED PANEL P/N 3G2490LXXXX; APPLY DECAL P/N ED300CB345 IN AN ADJACENT AREA.</p>	<p>NATURALLY NOTIFIED</p>		 	22/12/23
		<p>6.22.3 PERFORM THE ELECTRICAL CONNECTION BETWEEN PIN 2 OF CB345 AND PIN 7 OF CONNECTOR PL1J2 BY MEANS OF ELECTRICAL WIRE A556A-T20. USE ELECTRICAL CONTACT P/N MS25036-149 FOR PIN 2 OF CB345 AND ELECTRICAL CONTACT P/N M39029/56-351 FOR PIN 7 OF PL1J2. CONNECT CB345 TO 28VDC NON ESS BUS 2 W12A.</p>	<p>NATURALLY PERFORMED</p>		 	22/12/23
		<p>6.23 PERFORM A PIN-TO-PIN CONTINUITY CHECK OF ALL THE ELECTRICAL CONNECTIONS MADE.</p>	<p>SATIC Pac 70124 PERFORMED</p>		 	7/3/23

PARTS / MATERIAL USED / COMPONENT CHANGE RECORD HAVE BEEN RAISED AND ATTACHED. CALIBRATED / SPECIAL TOOLS RECORD SHEET HAVE BEEN RAISED AND ATTACHED.

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Document Reference

Document ID	PSE/TQ/2023/99929	Contact	Stefan Eller
Your Code Reference		Subject	31763 - Service Bulletins (SB) embodiment Aux C/B panel P/N 3G2490L06060
Topic	TECHNICAL	Subtopic	SUPPORT
Issue	TECHNICAL ADVICE	Team Legal Entity	Italy

Contact Details

Customer Description	LEONARDO MALAYSIA SDN BHD	Customer ID	0040000131
Email	stefan.eller@leonardocompany.com		

Customer Service

Priority	HIGH	Creation On (UTC)	28/02/2023
Resolve By (UTC)	04/03/2023	Leonardo Closure Date (UTC)	02/03/2023
Additional Note			

Helicopter Data

ATA Code	24	Description	ELECTRICAL POWER
S/N	N/A	S/N Details	
Helicopter Line	AW139	Helicopter Model	AW139
Repair Instruction Query	False		

Part Number	Component S/N	Component F/H	On (Date)(UTC)
PANEL INTEGRALLY LIGHT AUX BREAKER			

Ticket Description

Dear PSE Team,

MSN 31763 - 392:12 FH, 796 LDG.

Several retro modifications are being fitted to MSN 31763 and this requires a new AUX CB panel to be fitted, SB 139-334, SB 139-348, SB 139-624 and SB 139-665. New CB panel P/N is 3G2490L06060. Refer attachment. Existing AUX CB panel P/N is 3G2490L03966. Refer to attached pictures.

The new AUX CB panel will not arrive in time for the release to service of the aircraft. Estimated RTS is 10th of March 2023.

Please advise possibilities to continue using the existing AUX CB panel for 3 months providing we apply phosphorescent decals with the correct characteristics in accordance with the layout of the new AUX CB panel P/N 3G2490L06060 and installed jaw AMP 39-A-11-00-01-00A-720A-A Decal - Install procedure.

Thank you,

Stefan

History Log

Closing Note

Dear Stefan,

Please refer attached letter to support the helicopter return to service.

Best regards,
Zahin

Ticket Attachments

Attachment's Name	Uploading Date
20230103_094531.jpg	28/02/2023
AW_3G2490L06060_01_Λ.pdf	28/02/2023
PSE-TQ-2023-99929.pdf	02/03/2023
20230103_094542.jpg	28/02/2023
20230103_094513.jpg	28/02/2023

Our Ref. :	PSE/TQ/2023/99929	Date:	02 March 2023
From :	LH Service Engineering	engineering.support.lhd@leonardo.com	
	Leonardo Malaysia		
TO :	Attn: Eller Stefan	Page :	1 / 2
	stefan.eller@leonardo.com		
SUBJECT :	AW139 S/N 31763 (TT 392:12 FH): Service Bulletins (SB) embodiment Aux C/B panel		

Dear Sir,

With reference to SB139-334, SB139-348, SB139-624 and SB139-665, please be informed that Leonardo Helicopters (LH) technical advice is as follows.

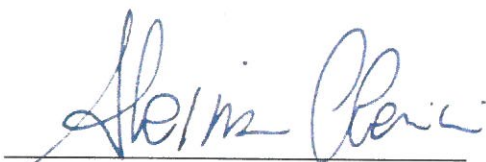
It is possible to use the existing auxiliary circuit breaker panel P/N 3G2490L03966 for three months starting from the completion embodiment of above mentioned SBs or when the spare part will be available, whichever occurs first, provided that the phosphorescent decals with the following characteristics are installed in accordance with the layout of the new panel P/N 3G2490L06060 reported in Annex A:

- Material specification: MIL-M-43719 Type I, Class 1
- Font: Futura Medium Condensed
- Color: Legend in white with black background
- Character height: 3.18 mm

Please be also informed that the above prescriptions must be considered valid only if the aircraft has been maintained in accordance with all Leonardo Helicopters mandatory recommendations, in addition to local authority requirements.

For any additional information do not hesitate to contact LH Service Engineering.

Best Regards,



Alessia Clerici
AW139 Chief Project Engineer



Giuseppe Tellone
Service Engineering Area Manager

The technical content of this document is approved under the authority of DOA no. EASA.21J.005. Please note that this document could be subject to approval from Local Airworthiness Authority, depending on the privileges granted to your organization.

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Company Share Capital. € 2,543,861,738.00 i.v.

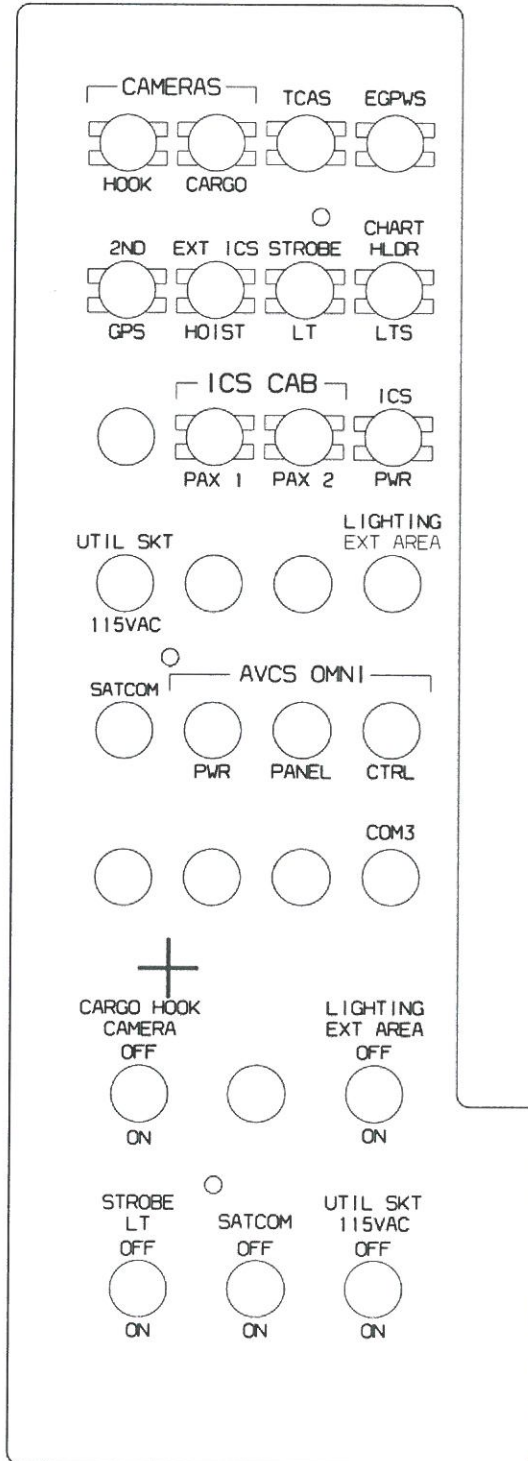
Tax Code & Company Registered no. 00401990585

VAT no. 00881841001











R.E.A. n. 7031



Annex A







Auxiliary circuit breaker panel P/N 3G2490L06060

NO	SOURCE	TASK / REFERENCE	REMARKS	MECHANIC SIGN	* AH SIGN & STAMP	DATE
		<p style="text-align: center;">NOTE</p> <p>PERFORM THE FOLLOWING STEP 6.24 ONLY IF PART II OF THIS SERVICE BULLETIN IS NOT INTENDED TO BE PERFORMED CONSEQUENTLY TO PART I.</p> <p>6.24 WITH REFERENCE TO FIGURE 21 DETAIL A, PROTECT AND STOW THE CABLE CONNECTOR PL104P101 AS DESCRIBED IN THE FOLLOWING PROCEDURE:</p> <p>6.24.1 APPLY THE PROTECTIVE CAP P/N DCC-03 ON THE CONNECTOR.</p> <p>6.24.2 COVER WITH NOMEX SLEEVE P/N A582A25 AND USE THE STRAP P/N 900004953 TO FIRMLY TIE DOWN THE SLEEVE ON THE CONNECTOR.</p> <p>6.24.3 FIX CONNECTOR TO THE SUPPORT PREVIOUSLY INSTALLED.</p> <p>6.25 WITH REFERENCE TO FIGURE 21 DETAIL B, PROTECT AND STOW THE CABLE CONNECTORS PL104P702 AND E68P1 AS DESCRIBED IN THE FOLLOWING PROCEDURE:</p> <p>6.25.1 APPLY N°2 PROTECTIVE CAPS P/N MS90376-12Y ON THE CONNECTORS.</p> <p>6.25.2 COVER WITH NOMEX SLEEVES P/N A582A32 AND USE THE STRAPS P/N 900004953 TO FIRMLY TIE DOWN THE SLEEVES ON THE CONNECTORS.</p>	<p>N/A</p> <p>PART 2 COMMENCE IMMEDIATELY</p>	N/A	<p> </p>	22/2/23
			N/A	N/A	<p> </p>	22/2/23
			N/A	N/A	<p> </p>	22/2/23
			N/A	N/A	<p> </p>	22/2/23
			N/A	N/A	<p> </p>	22/2/23

PARTS / MATERIAL USED / COMPONENT CHANGE RECORD HAVE BEEN RAISED AND ATTACHED. CALIBRATED / SPECIAL TOOLS RECORD SHEET HAVE BEEN RAISED AND ATTACHED.

* APPROVAL HOLDER HAVE VERIFIED THAT ALL TOOLS, EQUIPMENT AND OTHER EXTRANEOUS PART OF MATERIALS ARE CLEARED AND ALL TASKS OR INSPECTIONS HAVE BEEN CARRIED OUT TO THE REQUIRED STANDARD. TASK HAS BEEN PERFORMED I.A.W MAINTENANCE MANUAL SPECIFIED IN WORKPACK INDEX LM/QA/GEN/01.

NO	SOURCE	TASK / REFERENCE	REMARKS	MECHANIC SIGN	* AH SIGN & STAMP	DATE
		6.25.3 FIX CONNECTORS TO THE SUPPORTS PREVIOUSLY INSTALLED.	<i>WAS PERFORMED FIXED</i>	<i>add</i>	<i>add</i> 	22/4/23
7	-	IN ACCORDANCE WITH WEIGHT AND BALANCE CHANGES, UPDATE THE CHART A (SEE ROTORCRAFT FLIGHT MANUAL, PART II, SECTION 6).	<i>CAUSED TO UPDATE AS APPLICABLE. REFER TO WJC 7075/BSCH/003-10 FOR AIRCRAFT WEIGHTS</i>	<i>SR</i>	<i>SR</i> 	10/3/23
8	-	RETURN THE HELICOPTER TO FLIGHT CONFIGURATION AND RECORD FOR COMPLIANCE WITH PART I OF THIS SERVICE BULLETIN ON THE HELICOPTER LOGBOOK.	<i>SATISFACTION RETURNED TO SEA CAUSED TO UPDATE RECORD AS APPLICABLE</i>	<i>SR</i>	<i>SR</i> 	10/3/23
9	-	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 COMPLETE THE "SERVICE BULLETIN APPLICATION COMMUNICATION".	<i>PORTED TO TABLE NOTE AND SEND AS APPLICABLE.</i>	<i>SR</i>	<i>SR</i> 	10/3/23

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PARTS / MATERIAL USED / COMPONENT CHANGE RECORD HAVE BEEN RAISED AND ATTACHED.

CALIBRATED / SPECIAL TOOLS RECORD SHEET HAVE BEEN RAISED AND ATTACHED.

* APPROVAL HOLDER HAVE VERIFIED THAT ALL TOOLS, EQUIPMENT AND OTHER EXTRANEOUS PART OF MATERIALS ARE CLEARED AND ALL TASKS OR INSPECTIONS HAVE BEEN CARRIED OUT TO THE REQUIRED STANDARD. TASK HAS BEEN PERFORMED I.A.W MAINTENANCE MANUAL SPECIFIED IN WORKPACK INDEX LM/QA/GEN/01.

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

The Revision B of this Service Bulletin cancels and supersedes all the previous issues.
Helicopters already compliant with issue A of this Service Bulletin shall perform step 3 and step 4 of Part II of this SB.
Revision B is issued in order to recall the AMP DM 39-A-00-00-00-00A-750A-A in Part II (ref. to step 3).

REVISION LOG

ATA 23 - VHF/FM NAT NPX138 KIT P/N 4G2310F02411

TITLE

REV. : B - June 24, 2020

DATE: July 15, 2013

N° **139-334**

SERVICE BULLETIN

AgustaWestland Products

Leonardo S.p.A.
Via Giovanni Agusta, 520
21017 Cascina Costa di Samarate (VA) Italy
Tel.: +39 0331 229111 - Fax: +39 0331 229605/222595





LEONARDO MALAYSIA SDN. BHD.

PARTS / MATERIAL USED / COMPONENT CHANGE RECORD

WORKSHEET / WORKCARD NUMBER :

SERVICE ORDER NUMBER :

9 0 0 2 5

5 6 6

AIRFRAME HOURS :

AIRCRAFT REGISTRATION :

9M-BGH

AIRCRAFT SERIAL NUMBER :

31763

LANDINGS :

PARTS / MATERIAL USED / COMPONENT CHANGE RECORD (IF APPLICABLE)

DESCRIPTION	PART NO.	REMOVED		INSTALLED		RELEASE DOCUMENT
		SERIAL NO.	TSN/TSO	SERIAL NO.	TSN/TSO	
SPACER, SLEEVE	NAS43003-50N	N/A	N/A	N/A	N/A	0071182378 / 29.04.2022
SPACER, SLEEVE	NAS43003-15N	N/A	N/A	N/A	N/A	0071181233 / 23.04.2022
WASHER, FLAT	NAS114900332K	N/A	N/A	N/A	N/A	0070624349 / 08.06.2016
SCREW, MACHINE	MS27039-1-07	N/A	N/A	N/A	N/A	0008332451 / 22.03.2022
SPACER, SLEEVE	NAS43003-35N	N/A	N/A	N/A	N/A	0071115060 / 05.07.2021
NUT, SELF-LOCKING PLATE	MS21069L3	N/A	N/A	N/A	N/A	0071124354 / 09.09.2021
CLOSURE	3G5316A02751	N/A	N/A	N/A	N/A	AG4-2021-113-10540
CIRCUIT BREAKER	MS3320-5	N/A	N/A	N/A	N/A	0071211210 / 31.08.2022
CAP, PROTECTIVE, DUST	DCC-03	N/A	N/A	N/A	N/A	1720-2022-24485
SUPPORT, ELECTRICAL CABLE	AW001CLO03AT-X1	N/A	N/A	N/A	N/A	AG4-2022-1720-15107
CONTACT, ELECTRICAL	M39029/56-351	N/A	N/A	N/A	N/A	0071210238 / 26.07.2022
SCREW, MACHINE	NAS1802-3-20	N/A	N/A	N/A	N/A	0071174831 / 29.03.2022
BOLT, SHEAR	NAS6603H4	N/A	N/A	N/A	N/A	0070930191 / 26.04.2019
SCREW, SELF-LOCKING	NAS119063P32AK	N/A	N/A	N/A	N/A	0071192866 / 10.06.2022
CAP, DUST, PLASTIC	MC90376-127	N/A	N/A	N/A	N/A	0071192573 / 10.06.2022
CLAMP, LOOP	MS25281-R6	N/A	N/A	N/A	N/A	0071174831 / 29.03.2022
CLAMP, LOOP	MS25281-R6	N/A	N/A	N/A	N/A	0071174831 / 29.03.2022
SCREW, SELF-LOCKING	NAS11490E3P21AK	N/A	N/A	N/A	N/A	0071192573 / 10.06.2022
SCREW, SELF-LOCKING	NAS11490E3P35AK	N/A	N/A	N/A	N/A	0071192573 / 10.06.2022
CLAMP, LOOP	MS25281-R9	N/A	N/A	N/A	N/A	0071192573 / 10.06.2022
SCREW, SELF-LOCKING	NAS1190E3P25AK	N/A	N/A	N/A	N/A	0071192573 / 10.06.2022
SUPPORT, ELECTRICAL CABLE	AW001CLO02C-X1	N/A	N/A	N/A	N/A	AG4-2019-1720-16040
DECAL	E0300CB345	N/A	N/A	N/A	N/A	AG4-2022-1120-15029
CLAMP, LOOP	MS25281-R12	N/A	N/A	N/A	N/A	0071047156 / 20.08.2020
PANEL, BLANK	999-0500-85-207	N/A	N/A	N/A	N/A	AG4-2019-1720-12742
ANTENNA WHIP	21-SEB	N/A	N/A	50351	N/A	C 56761
SCREW, MACHINE	NAS1802-3-22	N/A	N/A	N/A	N/A	0071192866 / 10.06.2022

SERVICE ORDER
 NUMBER :

9 0 0 2 5

5 6 6

 AIRFRAME
 HOURS :

AIRCRAFT REGISTRATION :

9M-BGH

AIRCRAFT SERIAL NUMBER :

31763

LANDINGS :

PARTS / MATERIAL USED / COMPONENT CHANGE RECORD (IF APPLICABLE)

DESCRIPTION	PART NO.	REMOVED		INSTALLED		RELEASE DOCUMENT
		SERIAL NO.	TSN/TSO	SERIAL NO.	TSN/TSO	
RIVET, SOLID	MS20426AD3-3	N/A	N/A	N/A	N/A	007061433 / 01-05-2016
SUPPORT, ELECTRICAL CABLE	AW001CL002A-X1	N/A	N/A	N/A	N/A	AG4-2019-1720-11732
GROMMET, RUBBER	AW002FT102	N/A	N/A	N/A	N/A	AG4-2017-1720-21150
SCREW, SELF-LOCKING	NAS1190E3P24AK	N/A	N/A	N/A	N/A	0070749933 / 15-09-2017
SCREW, MACHINE	NAS1802-3-23	N/A	N/A	N/A	N/A	0071194315 / 05-07-2022
SCREW, MACHINE	NAS1802-3-23	N/A	N/A	N/A	N/A	0071194045 / 16-06-2022
WIRE, ELECTRICAL	A556A-78	N/A	N/A	N/A	N/A	AG4-2019-1720-14264
SUPPORT	39531CA026E1	N/A	N/A	N/A	N/A	AG4-2021-1713-11051
DECAL	E0300PL104	N/A	N/A	N/A	N/A	0071192573 / 10-06-2022
DECAL	E0300E68	N/A	N/A	N/A	N/A	AG4-2021-1720-18164
PANEL MOUNT MULTIMODE VHF FM TRNCR W/5 VDC ANL LGT NARROW BAND	NPX138N-500	N/A	N/A	8NH200049	N/A	20243
SELF-WRAP BOARD, NOMEX, GREEN	A582A32	N/A	N/A	N/A	N/A	0071162490 / 10-02-2022
SCREW, SELF-LOCKING	NAS1190E3P28AK	N/A	N/A	N/A	N/A	0071209395 / 22-05-2022
SCREW, MACHINE	NAS1802-3-19	N/A	N/A	N/A	N/A	0071192366 / 10-06-2022
GROMMET, RUBBER	AW002FT109	N/A	N/A	N/A	N/A	AG4-2021-1720-14247
WIRE, ELECTRICAL	A556A-720	N/A	N/A	N/A	N/A	AG4-2021-1720-11080