



WORK CARD

SERVICE ORDER NUMBER:

90025566

WORKCARD NUMBER:

2023/BGH/001-07

TITLE:

SB 139-665 DATE: JULY 8, 2021 REV. : A - MAY 31, 2022 -
ATA 34 - ENHANCED GROUND PROXIMITY WARNING
SYSTEM INSTALLATION (PART II)

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		HOURS:	302:40		HOURS:	302:40		HOURS:	N/A

NO	SOURCE	TASK / REFERENCE	REMARKS	MECHANIC SIGN	* AH SIGN & STAMP	DATE
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NOTE: FOR FIGURE(S), REFER TO IETP / ENGINE MANUAL / AD / SB.




ACCOMPLISHMENT INSTRUCTIONS

GENERAL NOTES


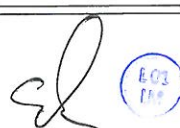










- A) PLACE AN IDENTIFICATION TAG ON ALL COMPONENTS THAT ARE RE-USABLE, INCLUDING THE ATTACHING HARDWARE THAT HAS BEEN REMOVED TO GAIN ACCESS TO THE MODIFICATION AREA AND ADEQUATELY PROTECT THEM UNTIL THEIR LATER REUSE.
- B) SHAPE THE CABLES IN ORDER TO PREVENT INTERFERENCE WITH THE STRUCTURE AND THE OTHER EXISTING INSTALLATIONS, USING WHERE NECESSARY SUITABLE LACING CORDS AND PLASTIC CABLE TIEDOWN.
- C) EXERCISE EXTREME CARE DURING DRILLING OPERATIONS TO PREVENT INSTRUMENTS, CABLES AND HOSES DAMAGE.
- D) 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.
- E) DURING THE INSTALLATION OF BONDING BRAIDS OR COMPONENTS REQUIRING GROUNDING, CLEAN THE SURFACE STRUCTURE IN ORDER TO OBTAIN A GOOD GROUND CONTACT.
- F) LET ADHESIVE CURE AT ROOM TEMPERATURE FOR AT LEAST 24 HOURS UNLESS OTHERWISE SPECIFIED.
- G) ALL LENGTHS ARE IN MM.

<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.
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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.	SATISFACTORY DISCONNECTED	<i>nd</i>	<i>nd</i> 	14/2/23
2	-	IN ACCORDANCE WITH DM 39-A-06-41-00-00A-010A-A AND WITH REFERENCE TO FIGURES 17 THRU 31, REMOVE ALL EXTERNAL PANELS, INTERNAL PANELS AND INTERNAL LINERS AS REQUIRED TO GAIN ACCESS TO THE AREA AFFECTED BY THE INSTALLATION AND PERFORM EGPWS COMPLETE PROVISION P/N 4G3440A00113 AS DESCRIBED IN THE FOLLOWING PROCEDURE: 2.1 WITH REFERENCE TO FIGURE 17 AND FIGURE 18, PERFORM EGPWS STRUCTURAL PROVISION P/N 3G5310A04513 AS DESCRIBED IN THE FOLLOWING PROCEDURE: 2.1.1 WITH REFERENCE TO FIGURE 17 VIEW B AND DETAIL C, TEMPORARILY LOCATE THE RH SUPPORT ASSY P/N 3G5315A28131, THE LH SUPPORT ASSY P/N 3G5315A28031, THE RH JOINT P/N 3G5315A28551 AND THE LH JOINT P/N 3G5315A28451 ON THE LOWER FRAME STA 7200 P/N 3P5340A10453 AND COUNTERMARK N°48 RIVET HOLES POSITIONS.	SATISFACTORY REMOVED PANELS AND LINERS. SATISFACTORY LOCATED SUPPORT. COUNTERMARK PERFORMED SATISFACTORY.	<i>sl</i>	<i>sl</i> 	14/2/23
		2.1.2 WITH REFERENCE TO FIGURE 17 VIEW B AND DETAIL C, DRILL N°48 RIVET HOLES IN THE PREVIOUSLY MARKED POSITIONS THRU THE LOWER FRAME STA 7200 P/N 3P5340A10453. PREPARE THE SURFACE TO ASSURE A GOOD GROUND CONTACT.	SATISFACTORY DRILLED	<i>sl</i>	<i>sl</i> 	14/2/23













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		2.1.3 WITH REFERENCE TO FIGURE 17 DETAIL C, REMOVE THE EXISTING RIVETS FROM THE ANGLE STA 7200 P/N 3P5340A13152 AND INSTALL THE RIVETS P/N NAS1097AD4-5.	SATISFACTORY REMOVED.			14/2/23
		2.1.4 WITH REFERENCE TO FIGURE 17 VIEW B AND DETAIL C, INSTALL THE RH SUPPORT ASSY P/N 3G5315A28131, THE LH SUPPORT ASSY P/N 3G5315A28031, THE RH JOINT P/N 3G5315A28551 AND THE LH JOINT P/N 3G5315A28451 ON THE LOWER FRAME STA 7200 P/N 3P5340A10453 BY MEANS OF N°48 RIVETS P/N AGS4719-508.	SATISFACTORY EACH REASON INSTALLED			14/2/23
		2.1.5 WITH REFERENCE TO FIGURE 17 VIEW D-D, DRILL N°1 HOLE THRU THE LH JOINT P/N 3G5315A28451 AND LH SUPPORT ASSY P/N 3G5315A28031 AND N°1 HOLE THRU THE RH JOINT P/N 3G5315A28551 RH SUPPORT ASSY P/N 3G5315A28131 IN ACCORDANCE WITH THE DIMENSIONING SHOWN.	SATISFACTORY DRILLED.			14/2/23
		2.1.6 WITH REFERENCE TO FIGURE 17 VIEW D-D, FIX THE RH JOINT P/N 3G5315A28551 TO THE RH SUPPORT ASSY P/N 3G5315A28131, AND THE LH JOINT P/N 3G5315A28451 TO THE LH SUPPORT ASSY P/N 3G5315A28031, BY MEANS OF N°2 RIVETS P/N AGS4719-407.	SATISFACTORY FIXED.			14/2/23
		2.1.7 WITH REFERENCE TO FIGURE 17 VIEW E, TEMPORARILY LOCATE THE PANEL P/N 3G5315A29151 ON THE RH SUPPORT ASSY P/N 3G5315A28131 AND THE LH SUPPORT ASSY P/N 3G5315A28031 AND COUNTERMARK N°8 RIVET HOLES POSITIONS.	SATISFACTORY LOCATED AND COUNTERMARKED.			14/2/23
		2.1.8 WITH REFERENCE TO FIGURE 17 VIEW E, DRILL N°8 RIVET HOLES IN THE PREVIOUSLY MARKED POSITIONS THRU THE RH SUPPORT ASSY P/N 3G5315A28131 AND THE LH	SATISFACTORY DRILLED.			14/2/23

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




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		SUPPORT ASSY P/N 3G5315A28031. PREPARE THE SURFACES TO ASSURE A GOOD GROUND CONTACT.	-	-	-	-
		2.1.9 WITH REFERENCE TO FIGURE 17 VIEW E, INSTALL THE PANEL P/N 3G5315A29151 ON THE RH SUPPORT ASSY P/N 3G5315A28131 AND THE LH SUPPORT ASSY P/N 3G5315A28031 BY MEANS OF N°8 RIVETS P/N NAS1097AD4-5.	SATISFACTORY INSTALLED.			14/2/23
		2.1.10 WITH REFERENCE TO FIGURE 17 VIEW E AND SECTION F-F, DRILL N°4 HOLES Ø4.52÷4.65 THRU THE PANEL P/N 3G5315A29151, THE RH SUPPORT ASSY P/N 3G5315A28131 AND THE LH SUPPORT ASSY P/N 3G5315A28031 IN ACCORDANCE WITH THE DIMENSIONING SHOWN. PREPARE THE SURFACES TO ASSURE A GOOD GROUND CONTACT.	SATISFACTORY DRILLED AND PREPARED.			14/2/23
		2.1.11 WITH REFERENCE TO FIGURE 17 SECTION F-F, INSTALL N°4 NUT PLATES P/N MS21075L06 ON THE PANEL P/N 3G5315A29151 BY MEANS OF N°8 RIVETS P/N MS20426AD3-7.	SATISFACTORY INSTALLED.			14/2/23
		2.1.12 WITH REFERENCE TO FIGURE 18 SECTION G-G AND SECTION H-H, DRILL N°2 HOLES Ø11.48÷11.61 THRU THE PANEL ASSY RH UPPER P/N 3G5315A49131.	SATISFACTORY DRILLED			14/2/23
		2.1.13 WITH REFERENCE TO FIGURE 18 SECTION G-G AND SECTION H-H, INSTALL N°2 INSERTS P/N NAS1836-3-13 ON THE PANEL ASSY RH UPPER P/N 3G5315A49131 BY MEANS OF THE ADHESIVE EA934NA (C397).	SATISFACTORY INSTALLED.			14/2/23
		2.1.14 WITH REFERENCE TO FIGURE 18 SECTION G-G AND SECTION H-H, INSTALL THE BRACKET P/N 3G5315A19551 BY MEANS OF N°2 WASHERS P/N NAS1149D0332K AND N°2 SCREWS P/N MS27039-1-06.	SATISFACTORY INSTALLED.			14/2/23

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		2.2 WITH REFERENCE TO FIGURE 19 THRU 31, PERFORM EGPWS ELECTRICAL PROVISION P/N 3G3440A00713 AS DESCRIBED IN THE FOLLOWING PROCEDURE: 2.2.1 WITH REFERENCE TO FIGURE 23 VIEW LOOKING REAR AREA RH SIDE, REMOVE THE SCREWS P/N MS35207-262, THE WASHERS P/N NAS1149D0332J, AND THE BRACKET P/N A426A01V110A.	SATS REMOVED		adl 	2/3/23
		2.2.2 IN ACCORDANCE WITH AMP DM 39-A-11-00-01-00A-520A-A, AND WITH REFERENCE TO FIGURE 23 VIEW LOOKING REAR AREA RH SIDE, REMOVE THE DATA DECAL P/N ED300GPW.	SATS REMOVED		adl 	2/3/23
		2.2.3 WITH REFERENCE TO FIGURE 23 VIEW LOOKING REAR AREA RH SIDE, INSTALL THE DUST COVER P/N SK3000-2-S879.	SATS INSTALLED		adl 	2/3/23
		2.2.4 IN ACCORDANCE WITH AMP DM 39-A-11-00-01-00A-720A-A, AND WITH REFERENCE TO FIGURE 23 VIEW LOOKING REAR AREA RH SIDE, INSTALL THE DECAL P/N ED300J380.	SATS INSTALLED		adl 	2/3/23
		2.2.5 WITH REFERENCE TO FIGURE 23 VIEW LOOKING REAR AREA RH SIDE, INSTALL IN LOCATION NUMBER 1 THE STUD P/N A366A3E12C.	SATS INSTALLED		adl 	2/3/23
		2.2.6 WITH REFERENCE TO FIGURE 24 DETAIL C, INSTALL THE STUD P/N A388A3E08C (LOCATION N°3).	SATS INSTALLED		adl 	2/3/23

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		2.2.7 WITH REFERENCE TO FIGURE 24 DETAIL C, INSTALL THE N°2 SUPPORT P/N AW001CL001-N6 (LOCATIONS N°4 AND N°5).	SATISFACTORY INSTALLED	<i>[Signature]</i>	<i>[Signature]</i> 	26/23
		2.2.8 WITH REFERENCE TO FIGURE 24 VIEW B-B, INSTALL THE ANCHOR NUT P/N AW001TL3A08 (LOCATION N°2).	SATISFACTORY INSTALLED	<i>[Signature]</i>	<i>[Signature]</i> 	26/23
		<p style="text-align: center;">NOTE</p> <p>CUSTOMER MUST CONTACT LHD ENGINEERING.SUPPORT .LHD@LEONARDO. COM 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>2.2.9 WITH REFERENCE TO AMP DM 39-A-24-91-04-00A-920A-K, REMOVE FROM THE OVERHEAD CB PANEL THE EXISTING INTEGRALLY-LIT PANEL AND INSTALL THE NEW INTEGRALLY-LIT PANEL P/N 3G2490LXXXXX.</p>	<p>REFER TO PSE/TA/2023/09929 AND WPC 2023/1304/002-109.</p>	<i>[Signature]</i>	<i>[Signature]</i> 	10/3/23
		2.2.10 INSTALL N°1 CIRCUIT BREAKER P/N MS3320-3 IN THE POSITION INDICATED AS EGPWS ON THE NEW INTEGRALLY-LIT PANEL P/N 3G2490LXXXXX.	SATISFACTORY CB INSTALLED	<i>[Signature]</i>	<i>[Signature]</i> 	26/23
		2.2.11 IN ACCORDANCE WITH AMP DM 39-A-11-00-01-00A-720A-A, APPLY DECAL P/N ED300CB171 IN ADJACENT AREA.	SATISFACTORY APPLIED	<i>[Signature]</i>	<i>[Signature]</i> 	22/2/23






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		2.2.12 ROUTE ONE PIECE OF ELECTRICAL WIRE P/N A556A-T20 OF ADEQUATE LENGTH BETWEEN CIRCUIT BREAKER CB171 AND OVERHEAD CIRCUIT BREAKER PANEL CONNECTOR PL1J4.	SATISFACTORY ROUTED	HTY	adl 	22/12/23
		2.2.13 PERFORM ELECTRICAL CONNECTION OF PREVIOUSLY ROUTED WIRE BETWEEN CIRCUIT BREAKER CB171 PIN 2 AND OVERHEAD CIRCUIT BREAKER PANEL CONNECTOR PL1J4 PIN S, RESPECTIVELY BY MEANS OF TERMINAL LUG P/N MS25036-149 AND ELECTRICAL CONTACT P/N M39029/56-351.	SATISFACTORY PERFORMED	HTY	adl 	22/12/23
		2.2.14 CONNECT CB171 TO 28V DC MAIN BUS 2 W22B.	SATISFACTORY CONNECTED	HTY	adl 	22/12/23
		2.2.15 PERFORM A PIN-TO-PIN CONTINUITY CHECK OF ALL THE ELECTRICAL CONNECTIONS MADE.	SATISFACTORY PERFORMED	adl	adl 	23/12/23
		<p style="text-align: center;">NOTE</p> <p>USE THE EDGING P/N A236A ON EDGES WHICH ARE LIABLE TO CAUSE DAMAGE TO CABLE ASSEMBLIES OR WHERE ABRASION MAY OCCUR.</p> <p style="text-align: center;">NOTE</p> <p>INSTALL THE TUBING BRAIDED P/N A582A WHERE PROTECTION AGAINST CHAFING AND PREVENTION OF CONTACT WITH STRUCTURE MAY OCCUR, BUT THE TUBING PROTECTION IS NOT SUBSTITUTE FOR GOOD ROUTING PRACTICE.</p>				






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		2.2.16 WITH REFERENCE TO FIGURE 19 THRU FIGURE 24, LAY DOWN THE FOLLOWING CABLE ASSEMBLIES ON THE EXISTING ROUTES UNLESS OTHERWISE INDICATED ON THE FIGURES: <ul style="list-style-type: none"> • 3G9A01A26321 EGPWS C/A (A1A263) • 3G9A02A25021 EGPWS C/A (A2A250) • 3G9A01B27421 EGPWS C/A (A1B274) • 3G9A02B25021 EGPWS C/A (A2B250) • 3G9B01B55221 EGPWS C/A (B1B552) • 3G9B02B23821 EGPWS C/A (B2B238) • 3G9C01B22521 EGPWS C/A (C1B225) • 3G9C02B22321 EGPWS C/A (C2B223) • 3G9C02B24221 EGPWS C/A (C2B242) 	SATISFACTORY LAYED	<i>act</i>	<i>act</i> 	2/13/23
		2.2.17 WITH REFERENCE TO FIGURE 19 THRU FIGURE 24, SECURE THE CABLE ASSEMBLIES LAY DOWN AT THE PREVIOUS STEP BY MEANS OF EXISTING HARDWARE AND LACING CORDS.	SATIS SECURED, LAYED	<i>act</i>	<i>act</i> 	2/13/23
		2.2.18 WITH REFERENCE TO FIGURE 23 VIEW LOOKING REAR AREA RH SIDE, INSTALL THE CLAMP P/N AW001CB04H ON THE C/A C2B242 BY MEANS OF WASHER P/N NAS1149D0332J AND NUT P/N MS21042L3.	SATIS INSTALLED	<i>act</i>	<i>act</i> 	2/13/23
		2.2.19 WITH REFERENCE TO FIGURE 23 VIEW LOOKING REAR AREA RH SIDE, INSTALL IN INDICATED POSITIONS N°2 CLAMPS P/N AW001CB02H ON THE C/A C2B242 BY MEANS OF THE EXISTING HARDWARE.	SATIS INSTALLED	<i>act</i>	<i>act</i> 	2/13/23
		2.2.20 WITH REFERENCE TO FIGURE 24 DETAIL C, INSTALL THE CLAMP P/N AW001CB04H AND THE CLAMP P/N AW001CB06H ON THE C/A C1B225, C/A C2B223 AND C/A	SATIS INSTALLED	<i>act</i>	<i>act</i> 	2/13/23

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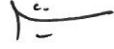


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		C2B242 BY MEANS OF WASHER P/N NAS1149D0332J AND SCREW P/N NAS1190E3P6AK.	-	-	-	-
		2.2.21 WITH REFERENCE TO FIGURE 24 VIEW B-B, INSTALL THE CLAMP P/N AW001CB04H AND THE CLAMP P/N AW001CB06H ON THE C/A C1B225, C/A C2B223 AND C/A C2B242 BY MEANS OF WASHER P/N NAS1149D0332J AND SCREW P/N NAS1801-3-10.	SATISFACTORY INSTALLED	<i>[Signature]</i>	<i>adl</i> 	2/3/23
		2.2.22 IN ACCORDANCE WITH AMP DM 39-A-34-43-03-00A-720A-K AND WITH REFERENCE TO FIGURE 24 DETAIL F, INSTALL THE EGPWS CONFIGURATION MODULE P/N 700-1710-001.	SATISFACTORY INSTALLED	<i>[Signature]</i>	<i>[Signature]</i> 	2/3/23
		2.2.23 WITH REFERENCE TO FIGURE 24 DETAIL F AND DETAIL G, CONNECT THE WIRE P/N A556A-T24 TO THE SHIELD CHAIN A106P2 BY MEANS OF FERRULE P/N A590A02.	SATISFACTORY CONNECTED	<i>[Signature]</i>	<i>[Signature]</i> 	2/3/23
		2.2.24 IN ACCORDANCE WITH AMP DM 39-A-20-10-08-00A-622A-A AND WITH REFERENCE TO FIGURE 20 VIEW LOOKING DOWN RH SIDE, AND FIGURES 27 AND 28 WIRING DIAGRAM, PERFORM THE ELECTRICAL CONNECTIONS BETWEEN THE CONNECTOR A2-3P1 AND THE MODULE TB116-3.	SATISFACTORY PERFORMED	<i>adl</i>	<i>[Signature]</i> 	6/3/23
		2.2.25 IN ACCORDANCE WITH AMP DM 39-A-20-10-08-00A-622A-A AND WITH REFERENCE TO FIGURE 20 VIEW LOOKING DOWN RH SIDE, AND FIGURES 27 AND 28 WIRING DIAGRAM, PERFORM THE ELECTRICAL CONNECTIONS BETWEEN THE CONNECTOR P101 AND THE MODULE TB116-3.	SATIS PERFORMED	<i>adl</i>	<i>adl</i> 	2/7/23













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		2.2.26 IN ACCORDANCE WITH AMP DM 39-A-20-10-08-00A-622A-A AND WITH REFERENCE TO FIGURE 20 VIEW LOOKING DOWN RH SIDE, FIGURE 22 VIEW A-A, AND FIGURES 27 AND 28 WIRING DIAGRAM, PERFORM THE ELECTRICAL CONNECTIONS BETWEEN THE CONNECTOR P106 AND THE JUNCTION MODULE TB116-1.	SATISFACTORY PERFORMED		 	6/3/23
		2.2.27 IN ACCORDANCE WITH AMP DM 39-A-20-10-08-00A-622A-A AND WITH REFERENCE TO FIGURE 21 VIEW LOOKING INSTRUMENT PANEL BACK RH SIDE A.D.O.F., FIGURE 22 VIEW A-A, AND FIGURE 31 WIRING DIAGRAM, PERFORM THE ELECTRICAL CONNECTIONS BETWEEN THE CONNECTOR P106 AND THE JUNCTION MODULE TB150-1.	SATISFACTORY PERFORMED		 	6/3/23
		2.2.28 IN ACCORDANCE WITH AMP DM 39-A-20-10-08-00A-622A-A AND WITH REFERENCE TO FIGURE 20 VIEW LOOKING DOWN RH SIDE, AND FIGURES 27 AND 28 WIRING DIAGRAM, PERFORM THE ELECTRICAL CONNECTIONS BETWEEN THE CONNECTOR TB116-1 AND THE JUNCTION MODULE TB106P1.	SATISFACTORY PERFORMED		 	6/3/23
		2.2.29 IN ACCORDANCE WITH AMP DM 39-A-20-10-08-00A-622A-A AND WITH REFERENCE TO FIGURE 20 VIEW LOOKING DOWN LH SIDE, FIGURE 21 VIEW LOOKING INSTRUMENT PANEL BACK RH SIDE A.D.O.F., AND FIGURES 25 AND 26 WIRING DIAGRAM, PERFORM THE ELECTRICAL CONNECTIONS BETWEEN THE CONNECTOR A1-3P2 AND THE CONNECTOR J113.	SATISFACTORY PERFORMED		 	6/3/23

<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.
* 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
		2.2.30 IN ACCORDANCE WITH AMP DM 39-A-20-10-08-00A-622A-A AND WITH REFERENCE TO FIGURE 21 VIEW LOOKING INSTRUMENT PANEL BACK RH SIDE A.D.O.F., AND FIGURES 29 AND 30 WIRING DIAGRAM, PERFORM THE ELECTRICAL CONNECTIONS BETWEEN THE CONNECTOR J113, THE CONNECTOR A95P1 AND THE CONNECTOR A31P1.	SATISFACTORY PERFORMED		 	3/3/23
		2.2.31 IN ACCORDANCE WITH AMP DM 39-A-20-10-08-00A-622A-A AND WITH REFERENCE TO FIGURE 21 VIEW LOOKING INSTRUMENT PANEL BACK RH SIDE A.D.O.F., FIGURE 22 VIEW LOOKING STA 1070 TO STA 3120, AND FIGURES 25 AND 26 WIRING DIAGRAM, PERFORM THE ELECTRICAL CONNECTIONS BETWEEN THE CONNECTOR PL8P2 AND THE CONNECTOR J113.	SATISFACTORY PERFORMED		 	3/3/23
		2.2.32 IN ACCORDANCE WITH AMP DM 39-A-20-10-08-00A-622A-A AND WITH REFERENCE TO FIGURE 20 VIEW LOOKING DOWN RH SIDE, FIGURE 22 VIEW A-A, AND FIGURES 25 AND 26 WIRING DIAGRAM, PERFORM THE ELECTRICAL CONNECTIONS BETWEEN THE CONNECTOR A2-3P2 AND THE CONNECTOR P110.	SATISFACTORY PERFORMED		 	6/3/23
		2.2.33 IN ACCORDANCE WITH AMP DM 39-A-20-10-08-00A-622A-A AND WITH REFERENCE TO FIGURE 21 VIEW LOOKING INSTRUMENT PANEL BACK RH SIDE A.D.O.F., FIGURE 22 VIEW A-A, AND FIGURES 25 AND 26 WIRING DIAGRAM, PERFORM THE ELECTRICAL CONNECTIONS BETWEEN THE CONNECTOR P113 AND THE CONNECTOR P110.	SATISFACTORY PERFORMED		 	6/3/23

<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.
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* 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
		2.2.34 IN ACCORDANCE WITH AMP DM 39-A-20-10-08-00A-622A-A AND WITH REFERENCE TO FIGURE 21 VIEW LOOKING INSTRUMENT PANEL BACK RH SIDE A.D.O.F., FIGURE 22 VIEW A-A, AND FIGURES 29 AND 30 WIRING DIAGRAM, PERFORM THE ELECTRICAL CONNECTIONS BETWEEN THE CONNECTOR A30P1, THE CONNECTOR A42P1, THE CONNECTOR P113 AND THE CONNECTOR P110.	SATIS PERFORMED	adl	adl 	2/13/23
		2.2.35 IN ACCORDANCE WITH AMP DM 39-A-20-10-08-00A-622A-A AND WITH REFERENCE TO FIGURE 20 VIEW LOOKING DOWN RH SIDE, FIGURE 22 VIEW LOOKING STA 1070 TO STA 3120, AND FIGURES 25 AND 26 WIRING DIAGRAM, PERFORM THE ELECTRICAL CONNECTIONS BETWEEN THE CONNECTOR PL24P2 AND THE JUNCTION TB106P1.	SATIS PERFORMED	adl	adl 	2/13/23
		2.2.36 IN ACCORDANCE WITH AMP DM 39-A-20-10-08-00A-622A-A AND WITH REFERENCE TO FIGURE 20 VIEW LOOKING DOWN RH SIDE, FIGURE 22 VIEW A-A, AND FIGURES 25 AND 26 WIRING DIAGRAM, PERFORM THE ELECTRICAL CONNECTIONS BETWEEN THE CONNECTOR P110 AND THE JUNCTION TB106P1.	SATIS PERFORMED	adl	adl 	2/13/23
		2.2.37 IN ACCORDANCE WITH AMP DM 39-A-20-10-08-00A-622A-A AND WITH REFERENCE TO FIGURE 20 VIEW LOOKING DOWN RH SIDE, FIGURE 21 VIEW LOOKING INSTRUMENT PANEL BACK RH SIDE A.D.O.F., AND FIGURES 25 AND 26 WIRING DIAGRAM, PERFORM THE ELECTRICAL CONNECTIONS BETWEEN THE CONNECTOR P113 AND THE JUNCTION TB106P1.	SATIS PERFORMED	adl	adl 	2/13/23




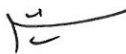








PARTS / MATERIAL USED / COMPONENT CHANGE RECORD HAVE BEEN RAISED AND ATTACHED.

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
		2.2.38 IN ACCORDANCE WITH AMP DM 39-A-20-10-08-00A-622A-A AND WITH REFERENCE TO FIGURE 22 VIEW LOOKING UNDER FLOOR RH SIDE, FIGURE 23 VIEW LOOKING REAR AREA RH SIDE, AND FIGURES 27, 28 AND 29 WIRING DIAGRAM, PERFORM THE ELECTRICAL CONNECTIONS BETWEEN THE CONNECTOR J106 AND THE CONNECTOR J202.	SATISFACTORY PERFORMED	<i>adl</i>	<i>adl</i> 	2/13/23
		2.2.39 IN ACCORDANCE WITH AMP DM 39-A-20-10-08-00A-622A-A AND WITH REFERENCE TO FIGURE 23 VIEW LOOKING REAR AREA RH SIDE, AND FIGURE 31 WIRING DIAGRAM, PERFORM THE ELECTRICAL CONNECTIONS BETWEEN THE MODULE TB2240 AND THE CONNECTOR J202.	SATISFACTORY PERFORMED	<i>TC</i>	<i>HR</i> 	3/13/23
		2.2.40 IN ACCORDANCE WITH AMP DM 39-A-20-10-08-00A-622A-A AND WITH REFERENCE TO FIGURE 22 VIEW LOOKING STA 1070 TO STA 3120, FIGURE 23 VIEW LOOKING REAR AREA RH SIDE, AND FIGURES 25 AND 26 WIRING DIAGRAM, PERFORM THE ELECTRICAL CONNECTIONS BETWEEN THE CONNECTOR PL1P4 AND THE CONNECTOR J202.	SATISFACTORY PERFORMED	<i>adl</i>	<i>adl</i> 	2/13/23
		2.2.41 IN ACCORDANCE WITH AMP DM 39-A-20-10-08-00A-622A-A AND WITH REFERENCE TO FIGURE 22 VIEW LOOKING UNDER FLOOR RH SIDE, FIGURE 23 VIEW LOOKING REAR AREA RH SIDE, AND FIGURES 25, 26, 29 AND 30 WIRING DIAGRAM, PERFORM THE ELECTRICAL CONNECTIONS BETWEEN THE CONNECTOR J110 AND THE CONNECTOR J208.	SATISFACTORY PERFORMED	<i>adl</i>	<i>adl</i> 	2/13/23

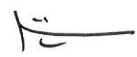








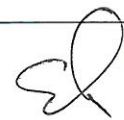


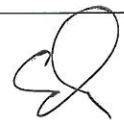

<input type="checkbox"/> PARTS / MATERIAL USED / COMPONENT CHANGE RECORD HAVE BEEN RAISED AND ATTACHED.	<input type="checkbox"/> CALIBRATED / SPECIAL TOOLS RECORD SHEET HAVE BEEN RAISED AND ATTACHED.
* APPROVAL HOLDER HAVE VERIFIED THAT ALL TOOLS, EQUIPMENT AND OTHER EXTRANEIOUS PART OF MATERIALS ARE 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
		2.2.42 IN ACCORDANCE WITH AMP DM 39-A-20-10-08-00A-622A-A AND WITH REFERENCE TO FIGURE 23 VIEW LOOKING REAR AREA RH SIDE, AND FIGURE 24 DETAIL C AND FIGURES 27 AND 28 WIRING DIAGRAM, PERFORM THE ELECTRICAL CONNECTIONS BETWEEN THE DC POWER GROUND TB306, THE GROUND MODULE TB310 AND THE CONNECTOR A106P1.	SATISFACTORY PERFORMED		 	6/3/23
		2.2.43 IN ACCORDANCE WITH AMP DM 39-A-20-10-08-00A-622A-A AND WITH REFERENCE TO FIGURE 23 VIEW LOOKING REAR AREA RH SIDE, AND FIGURE 24 DETAIL C AND TO FIGURE 27 THRU 30 WIRING DIAGRAM, PERFORM THE ELECTRICAL CONNECTIONS BETWEEN THE CONNECTOR P208 AND THE CONNECTOR A106P1.	SATISFACTORY PERFORMED		 	6/3/23
		2.2.44 IN ACCORDANCE WITH AMP DM 39-A-20-10-08-00A-622A-A AND WITH REFERENCE TO FIGURE 23 VIEW LOOKING REAR AREA RH SIDE, AND FIGURE 24 DETAIL C AND FIGURES 27 AND 28 WIRING DIAGRAM, PERFORM THE ELECTRICAL CONNECTIONS BETWEEN THE CONNECTOR P208 AND THE CONNECTOR A106P2.	SATISFACTORY PERFORMED		 	6/3/23
		2.2.45 IN ACCORDANCE WITH AMP DM 39-A-20-10-08-00A-622A-A AND WITH REFERENCE TO FIGURE 23 VIEW LOOKING REAR AREA RH SIDE, AND FIGURE 24 DETAIL C AND FIGURE 31 WIRING DIAGRAM, PERFORM THE ELECTRICAL CONNECTIONS BETWEEN THE DC POWER GROUND TB350 AND THE CONNECTOR A106P3.	SATISFACTORY PERFORMED		 	6/3/23

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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NO	SOURCE	TASK / REFERENCE	REMARKS	MECHANIC SIGN	* AH SIGN & STAMP	DATE
		2.2.46 WITH REFERENCE TO FIGURE 20 VIEW LOOKING DOWN RH SIDE, VIEW LOOKING OWN LH SIDE AND FIGURE 27 WIRING DIAGRAM, PERFORM THE ELECTRICAL CONNECTION OF THE CONNECTOR A1-3P1 TO THE MODULAR AVIONIC UNIT A1, AND THE CONNECTOR J101 TO THE CONNECTOR P101.	Satisfactory performed		ADD 	2/3/23
		2.2.47 PERFORM A PIN-TO-PIN CONTINUITY CHECK OF ALL THE ELECTRICAL CONNECTIONS MADE.	Satisfactory performed		ADD 	7/3/23
		NOTE SKIP STEPS 2.2.48 AND 2.2.49 IF PART III IS ACCOMPLISHED IMMEDIATELY AFTER PART II.	N/A			
		2.2.48 WITH REFERENCE TO FIGURE 24 DETAIL C AND FIGURE 23 DETAIL D, PROTECT AND STOW THE CONNECTORS C1B225 AND C2B223 BY MEANS OF PROTECTIVE CAPS P/N DCC-15, TIE STRAPS P/N 900004953 AND NOMEX P/N A582A25.	N/A PART 3 COMMENCE IMMEDIATELY	N/A		14/2/23
		2.2.49 WITH REFERENCE TO FIGURE 24 DETAIL C AND FIGURE 23 DETAIL E, PROTECT AND STOW THE CONNECTOR C2B242 BY MEANS OF PROTECTIVE CAP P/N DCC-12, TIE STRAP P/N 900004953 AND NOMEX P/N A582A25.	N/A PART 3 COMMENCE, IMMEDIATELY	N/A	 	14/2/23
3	-	RETURN THE HELICOPTER TO FLIGHT CONFIGURATION AND RECORD FOR COMPLIANCE WITH PART II OF THIS SERVICE BULLETIN ON THE HELICOPTER LOGBOOK.	Satisfactory performed FOR CAMO TO RECORD AS APPLICABLE.		 	10/3/23
4	-	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".	FOR POSTED TO TAKE NOTE AND SEND AS APPLICABLE.		 	10/3/23

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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Technical Queries - PSE/TQ/2023/99929

Document Reference

Document ID	PSE/TQ/2023/99929	Contact	Stefan Eller
Your Code Reference		Subject	31763 - Service Bulletins (SB) embodiment Aux CB 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 iaw 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_A.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 : Eller Stefan stefan.eller@leonardo.com **Page :** 1 / 2
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, SB139-624 and SB139-665, please be informed that Leonardo Helicopters (LH) technical advice is as follows.

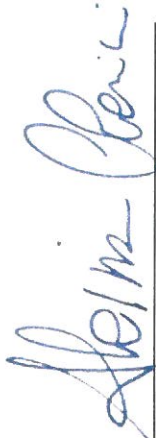
It is possible to use the existing auxiliary circuit breaker panel P/N 3G2490L03966 for three months starting from the completion embodiment of above mentioned SBs or when the spare part will be available, whichever occurs first, provided that the phosphorescent decals with the following characteristics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

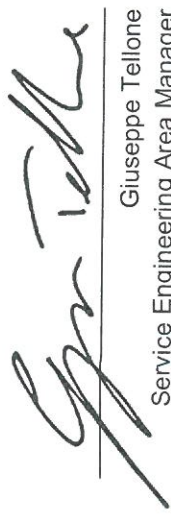
Please be also informed that the above prescriptions must be considered valid only if the aircraft has been maintained in accordance with all Leonardo Helicopters mandatory recommendations, in addition to local authority requirements.

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.

If this document is received incomplete or illegible, please contact engineering.support.lhd@leonardo.com

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Leonardo - Società per azioni

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Ph. +39 0331 229111 - Fax +39 0331 229605

elicotteri@pec.leonardo.com

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

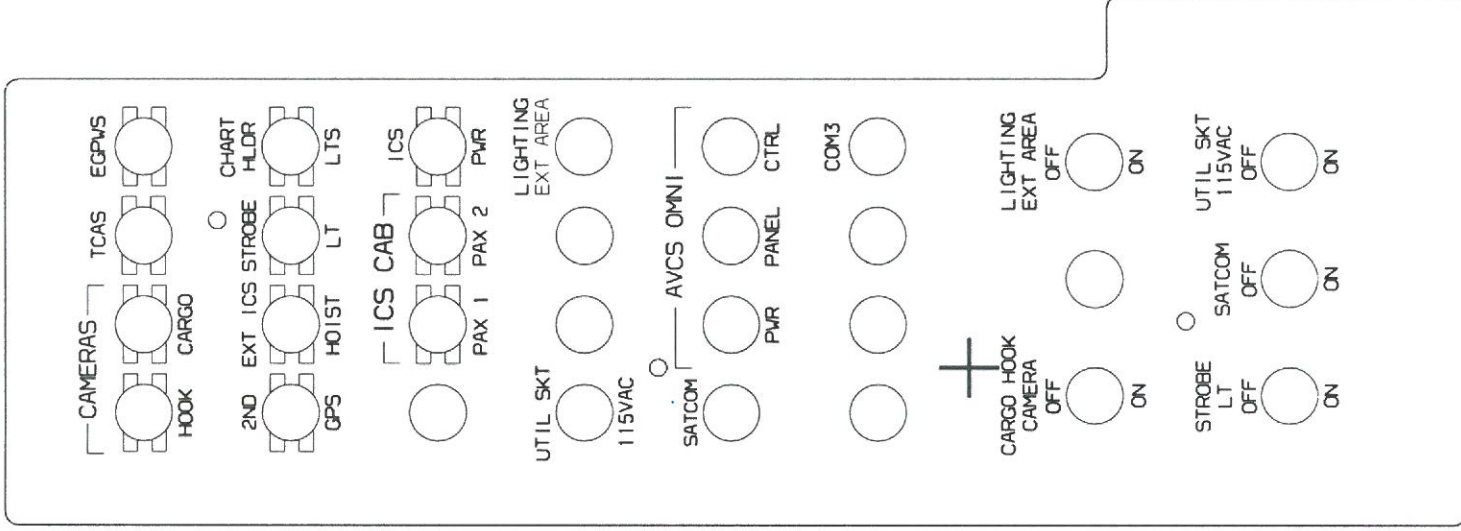
Tax Code & Company Registered no. 00401990585

VAT no. 00881841001

R.E.A. n. 7031



Annex A



Auxiliary circuit breaker panel P/N 3G2490L06060

SERVICE BULLETIN

N° **139-665**

DATE: July 8, 2021

REV.: A - May 31, 2022

TITLE

ATA 34 - ENHANCED GROUND PROXIMITY WARNING SYSTEM INSTALLATION

REVISION LOG

Helicopters that have complied with previous issue of this Service Bulletin do not need any additional action.

Revision A is issued to:

- Extend the effectivity to AW139 Long Nose helicopters.
- Update the procedure to subdivide the SB in three parts:
 - Part I: complete provision for Long Nose helicopters;
 - Part II: complete provision for Long Nose Enhanced Plus helicopters;
 - Part III: equipment installation (the same for the two configurations).

Due to the large amount of modifications introduced in this new revision, revision bars are not shown.



LEONARDO MALAYSIA SDN. BHD.

PARTS / MATERIAL USED / COMPONENT CHANGE RECORD

WORKSHEET / WORKCARD NUMBER :

2023/BGH/003

SERVICE ORDER NUMBER : 9 0 0 2 5

5 6 6

AIRFRAME HOURS :

302:40

AIRCRAFT REGISTRATION :

9M-BGH

AIRCRAFT SERIAL NUMBER :

31763

LANDINGS :

850

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

DESCRIPTION	PART NO.	REMOVED		INSTALLED		RELEASE DOCUMENT
		SERIAL NO.	TSN/TSO	SERIAL NO.	TSN/TSO	
TERMINAL, LUG	MS25036-149	N/A	N/A	N/A	N/A	0071192584/11.06.2022
WASHER, FLAT	NAS1149D0332K	N/A	N/A	N/A	N/A	0070624349/08.06.2016
WASHER, FLAT	NAS1149D0332J	N/A	N/A	N/A	N/A	0070752608/26.09.2017
SCREW, MACHINE	MS27039-1-06	N/A	N/A	N/A	N/A	0070734519/12.07.2017
EGPWS CIA	363440A00713AIR	N/A	N/A	N/A	N/A	AG4-2022-1113-14618
EGPWS CIA	363440A00713A2R	N/A	N/A	N/A	N/A	AG4-2022-1113-14645
EGPWS CIA	363440A00713A3R	N/A	N/A	N/A	N/A	AG4-2022-1113-14581
EGPWS CIA	363440A00713A4R	N/A	N/A	N/A	N/A	AG4-2022-1113-14619
CAP, PROTECTIVE DYST	DCC-12	N/A	N/A	N/A	N/A	1720-2022-24488
CONTACT, ELECTRICAL	M39029/58-363	N/A	N/A	N/A	N/A	0071193489/13.06.2022
CONTACT, ELECTRICAL	M39029/56-351	N/A	N/A	N/A	N/A	0071210238/26.08.2022
CAP, PROTECTIVE, ELECTRICAL CONNECTOR	DCC-15	N/A	N/A	N/A	N/A	1720-2022-24486
INSULATION SLEEVING, ELECTRICAL	M23053/8-005-C	N/A	N/A	N/A	N/A	0071180807/28.04.2022
CLAMP	AW001CB04H	N/A	N/A	N/A	N/A	AG4-2022-1720-12645
WIRE, ELECTRICAL	A556A-720	N/A	N/A	N/A	N/A	AG4-2021-1720-11080
INSERT, SCREW THREAD	NAS1836-3-12	N/A	N/A	N/A	N/A	0071124975/02.09.2021
DECAL	ED300CB171	N/A	N/A	N/A	N/A	AG4-2021-1720-14482
PANEL	395315A29151	N/A	N/A	N/A	N/A	AG4-2020-1713-11300
RH JOINT	395315A28551	N/A	N/A	N/A	N/A	AG4-2014-1716-11721
LH JOINT	395315A28451	N/A	N/A	N/A	N/A	PZL-2020-PL16-01814
BRACKET	395315A19551	N/A	N/A	N/A	N/A	PZL-2020-PL16-02396
RIVET, SOLID	NAS1097A04-5	N/A	N/A	N/A	N/A	1720-2015-19417
PLUG, CONNECTOR	SK3000/-2	N/A	N/A	N/A	N/A	1720-2018-12345
SCREW, SELF-LOCKING	NAS1190E3P6AK	N/A	N/A	N/A	N/A	0071182374/29.04.2022
DECAL	ED300J380	N/A	N/A	N/A	N/A	AG4-2022-1720-14905
STUD, ADH BONDED	A366A3E12C	N/A	N/A	N/A	N/A	AG4-2017-1720-12664
INSULATION SLEEVING, ELECTRICAL	M23053/8-004-C	N/A	N/A	N/A	N/A	0071197431/28.06.2022



LEONARDO MALAYSIA SDN. BHD.

PARTS / MATERIAL USED / COMPONENT CHANGE RECORD

WORKSHEET / WORKCARD NUMBER :

2023/BGH/003

SERVICE ORDER NUMBER : 9 0 0 2 5

5 6 6

AIRFRAME HOURS :

302:40

AIRCRAFT REGISTRATION :

9M-BGH

AIRCRAFT SERIAL NUMBER :

31763

LANDINGS :

850

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

DESCRIPTION	PART NO.	REMOVED		INSTALLED		RELEASE DOCUMENT
		SERIAL NO.	TSN/TSO	SERIAL NO.	TSN/TSO	
STANDOFF, ADHESIVE BONDED	A328A3E08C	N/A	N/A	N/A	N/A	AG4-2021-1720-16231
SCREW, MACHINE	NAS1801-3-10	N/A	N/A	N/A	N/A	0071053511/25.09.2020
ANCHOR NUT, RIGHT ANGLE, PEI, ADH	AW0017L3A08	N/A	N/A	N/A	N/A	AG4-2022-1720-10466
CONTACT, ELECTRICAL	M39029/56-348	N/A	N/A	N/A	N/A	0071192584/11.06.2022
CLAMP	AW001CB06H	N/A	N/A	N/A	N/A	AG4-2020-1720-14016
CONTACT, ELECTRICAL	M39029/57-354	N/A	N/A	N/A	N/A	0071200335/11.07.2022
CONTACT, ELECTRICAL	M39029/58-363	N/A	N/A	N/A	N/A	0071193489/13.06.2022
CONTACT, ELECTRICAL	M39029/58-360	N/A	N/A	N/A	N/A	0071201696/21.07.2022
CONTACT, ELECTRICAL	M39029/57-357	N/A	N/A	N/A	N/A	0071191025/31.05.2022
NUT, SELF-LOCKING, EXTENDED WASHER, HEXAGON	MS21042L3	N/A	N/A	N/A	N/A	0071201695/19.07.2022
CIRCUIT BREAKER	MS3320-3	N/A	N/A	N/A	N/A	0071184257/06.05.2022
NUT, SELF-LOCKING, PLATE	MS21075L06N	N/A	N/A	N/A	N/A	0071201700/19.07.2022
RIVET, SOLID	MS20426403-7	N/A	N/A	N/A	N/A	0070679478/13.12.2016
CLAMP	AW001CB02H	N/A	N/A	N/A	N/A	AG4-2020-1720-10389
RIVET, BLIND	NAS1720H5L2A	N/A	N/A	N/A	N/A	0071180762/20.04.2022
RIVET, BLIND	NAS1720H4L2A	N/A	N/A	N/A	N/A	0071182376/28.04.2022
LH SUPPORT ASSY	365315A28031	N/A	N/A	N/A	N/A	P2L-2021-P2L16-05618
RH SUPPORT ASSY	365315A28131	N/A	N/A	N/A	N/A	AG4-2022-1720-11154
CONTACT, ELECTRIC	A5237-A05	N/A	N/A	N/A	N/A	AG4-2020-1720-11434