
SERVICE BULLETIN
OPTIONAL**N° 139-155****DATE:** September 30, 2014**REV. :** C -June 20, 2023

TITLE**ATA 33 – 2ND ANTICOLLISION LIGHT KIT INSTALLATION****REVISION LOG**

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

Revision A is issued to introduce additional instructions to better clarify the installation of the new overhead panel and to align the Service Bulletin to the latest standard.

Revision B is issued to extends the applicability to all AW139 long nose enhanced plus.

Revision C is issued to:

- update the this Service Bulletin to the new standard;
- introduce the 2nd anticollision light NVG MIL variant P/N 3G3320P00412 for the AW139 helicopters equipped with kit NVIS P/N 4G3360F00211.

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

1. PLANNING INFORMATION

A. EFFECTIVITY

PART I

All AW139 helicopters from S/N 31400 to S/N 31699, from S/N 41300 to S/N 41499, from S/N 31700 onwards and from S/N 41500 onwards.

PART II

All AW139 helicopters from S/N 31201 to S/N 31398 and from S/N 41201 to S/N 41293.

PART III

NOTE

To apply variant P/N 3G3320P00412 please present request for quotation to your Customer Support Manager of reference to take in account the specific helicopter configuration.

All AW139 helicopters from S/N 31400 to S/N 31699, from S/N 41300 to S/N 41499, from S/N 31700 onwards and from S/N 41500 onwards equipped with kit NVIS P/N 4G3360F00211 and not equipped with 2nd anticollision light NVG MIL variant P/N 3G3320P00411 or P/N 3G3320P00412.

PART IV

All AW139 helicopters from S/N 31201 to S/N 31398, from S/N 41201 to S/N 41293, from S/N 31400 to S/N 31699, from S/N 41300 to S/N 41499, from S/N 31700 onwards and from S/N 41500 onwards.

B. COMPLIANCE

At Customer's option.

C. CONCURRENT REQUIREMENTS

N.A.

D. REASON

This Service Bulletin is issued in order to provide all necessary instructions on how to perform the installation of the kit 2nd anticollision light P/N 4G3340F00612 or P/N 4G3340F00611.

LHD issued this SB for the following reason:

Helicopter Reliability/Maintainability	
Product Improvement	

Obsolescence	
Customization	✓
Product/Capability Enhancement	

E. DESCRIPTION

The anticollision light is installed in the aft bottom side of the fuselage and has the function of giving constant navigation signals during flight to improve helicopter visibility from outside.

Compliance with Part I and Part IV of this Service Bulletin allows the installation of 2ND anticollision light kit P/N 4G3340F00612.

Compliance with applicable steps of Part I, applicable steps of Part III and Part IV of this Service Bulletin allow the installation of 2ND anticollision light kit P/N 4G3340F00612 compatible with NVG configuration.

Compliance with Part III of this Service Bulletin allows modification of 2ND anticollision light kit P/N 4G3340F00612 for helicopters equipped with kit NVIS P/N 4G3360F00211.

Compliance with Part II and Part IV of this Service Bulletin allows the installation of 2ND anticollision light kit P/N 4G3340F00611.

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 the following Maintenance-Man-Hours (MMH) are deemed necessary:

Part I: approximately seventy-two (72) MMH;

Part II: approximately seventy-two (72) MMH;

Part III: approximately twenty (20) MMH;

Part IV: approximately 8 (eight) MMH.

Maintenance-Man-Hours are based on hands-on time and can change with personnel and facilities available.

Maintenance-Man-Hours are not comprehensive of the overall hours necessary to remove the fairings and hoses to get access to work areas.

H. WEIGHT AND BALANCE

PART I

WEIGHT (Kg)	ARM (mm)	MOMENT (Kgmm)
		1.36
LONGITUDINAL BALANCE	6609.0	8988.2
LATERAL BALANCE	-70.0	-95.2

PART II

WEIGHT (Kg)	ARM (mm)	MOMENT (Kgmm)
		1.26
LONGITUDINAL BALANCE	6499.0	8188.7
LATERAL BALANCE	28.0	35.3

PART III

WEIGHT (Kg)	ARM (mm)	MOMENT (Kgmm)
		0,52
LONGITUDINAL BALANCE	6746	3507,92
LATERAL BALANCE	-118	-61,36

PART III

WEIGHT (Kg)	ARM (mm)	MOMENT (Kgmm)
		0.95
LONGITUDINAL BALANCE	6939.0	6592.1
LATERAL BALANCE	-369.0	-350.6

I. REFERENCES

I.1 PUBLICATIONS

Following Data Modules refer to AMP:

<u>DATA MODULE</u>	<u>DESCRIPTION</u>	<u>PART</u>
DM01 39-A-00-20-00-00A-120A-A	Helicopter on ground for a safe maintenance.	All
DM02 39-A-06-41-00-00A-010A-A	Access doors and panels -	All

<u>DATA MODULE</u>	<u>DESCRIPTION</u>	<u>PART</u>
	General data	
DM03	39-A-11-00-01-00A-720A-A Decal - Install procedure	III, IV
DM04	39-A-20-10-08-00A-622A-A Electrical contacts - Crimp	III
DM05	39-A-20-10-18-00A-691A-A Electrical wires and cables - Marking	III
DM06	39-A-24-91-02-00A-520A-A Electrical control panel - Remove procedure	IV
DM07	39-A-24-91-02-00A-720A-A Electrical control panel - Install procedure	IV
DM08	39-A-24-91-04-00A-920A-K Integrally lighted panel - Replacement	IV
DM09	39-A-33-48-00-00A-320A-K Bottom anti collision light system - Operation test	III, IV
DM10	39-B-33-48-01-00A-520A-K Bottom anti collision light - Install procedure	III
DM11	39-B-33-48-01-00A-720A-K Bottom anti collision light - Install procedure	III, IV

Following Data Modules refer to CSRP:

<u>DATA MODULE</u>	<u>DESCRIPTION</u>	<u>PART</u>
DM12	CSRP-A-51-42-00-00A-720A-D Potted inserts - Install procedure	I, II

I.2 ACRONYMS& ABBREVIATIONS

AMDI	Aircraft Material Data Information
AMP	Aircraft Maintenance Publication
AR	As Required
DM	Data Module
DOA	Design Organization Approval
EASA	European Aviation Safety Agency
IPD	Illustrated Part Data
ITEP	Illustrated tool and equipment publication
LHD	Leonardo Helicopters Division
MMH	Maintenance Man Hours
N.A.	Not Applicable
NVG	Night Vision Goggles
P/N	Part Number
RH	Right Hand
S/N	Serial Number
SB	Service Bulletin

J. PUBLICATIONS AFFECTED

N.A.

K. SOFTWARE ACCOMPLISHMENT SUMMARY

N.A.

2. MATERIAL INFORMATION

A. REQUIRED MATERIALS

PARTS

PART I

#	P/N	ALTERNATIVE P/N	DESCRIPTION	Q.TY	LVL	NOTE	LOG P/N
1	4G3340F00612		KIT 2 ND ANTICOLLISION LIGHT	REF	.		-
2	4G3340A00312		2 ND ANTICOLLISION LIGHT COMPLETE PROVISION	REF	..		-
3	3G5310A13611		2 ND ANTICOLLISION LIGHT STRUCTURAL PROVISION	REF	...		-
4	3G5315A33332	3G5315A33331	Anticollision support assy	1	....		139-155L1
5	3G5316A49651		Cover	1	....	(1)	-
6	AN525-832R6		Screw	14	....	(1)	-
7	MS27039-0805		Screw	14	....		139-155L1
8	NAS1149DN832J		Washer	14	....		139-155L1
9	NAS1832-08-4		Insert	14	....		139-155L1
10	4G3340A00212		2 ND ANTICOLLISION LIGHT ELECTRICAL PROVISION	REF	...		-
11	3G9B01B32101	3G9B01B32101A10R	Cable assy (B1B321)	1	....		139-155L1
12	900004953		Tie Strap	1	....		139-155L1
13	MS90376-10Y		Protective cap	1	....		139-155L1
14	3G9C01B23001	3G9C01B23001A10R	Cable assy (C1B230)	1	....	(5)	139-155L2
15	A366A3E18C		Stud	1	....	(5)	139-155L2
16	AW001CB03H		Clamp	1	....	(5)	139-155L2
17	AW001CL000A-X3		Plastic support	1	....	(5)	139-155L2
18	MS21042L3		Nut	1	....	(5)	139-155L2
19	NAS1149D0332J		Washer	1	....	(5)	139-155L2
20	NAS43DD3-35N		Spacer	1	....	(5)	139-155L2

PART II

#	P/N	ALTERNATIVE P/N	DESCRIPTION	Q.TY	LVL	NOTE	LOG P/N
21	4G3340F00611		KIT 2 ND ANTICOLLISION LIGHT	REF	.		-
22	4G3340A00311		2 ND ANTICOLLISION LIGHT COMPLETE PROVISION	REF	..		-
23	3G5310A13611		2 ND ANTICOLLISION LIGHT STRUCTURAL PROVISION	REF	...		-
24	3G5315A33332	3G5315A33331	Anticollision support assy	1	....		139-155L3
25	3G5316A49651		Cover	1	....	(1)	-
26	AN525-832R6		Screw	14	....	(1)	-
27	MS27039-0805		Screw	14	....		139-155L3
28	NAS1149DN832J		Washer	14	....		139-155L3
29	NAS1832-08-4		Insert	14	....		139-155L3
30	4G3340A00211		2 ND ANTICOLLISION LIGHT ELECTRICAL PROVISION	REF	...		-
31	3G9B01B32101	3G9B01B32101A10R	Cable assy (B1B321)	1	....		139-155L3
32	3G9C01B23001	3G9C01B23001A10R	Cable assy (C1B230)	1	....		139-155L3
33	A366A3E18C		Stud	1	....		139-155L3
34	AS21919WDG03		Clamp	1	....		139-155L3
35	AW001CL000A-X3		Plastic support	1	....		139-155L3

#	P/N	ALTERNATIVE P/N	DESCRIPTION	Q.TY	LVL	NOTE	LOG P/N
36	MS21042L3		Nut	1	....		139-155L3
37	MS90376-10Y		Protective cap	1	....		139-155L3
38	NAS1149D0332J		Washer	1	....		139-155L3
39	NAS43DD3-35N		Spacer	1	....		139-155L3

PART III

#	P/N	ALTERNATIVE P/N	DESCRIPTION	Q.TY	LVL	NOTE	LOG P/N
40	3G3320P00412		2 ND ANTICOLLISION LIGHT NVG MIL VARIANT	REF	.	(2)	-
41	3G3340V00951		Anticollision light RED/IR (NVG)	1	..	(3)	-
42	3G9A01A75601		2nd Anticollision LT NVG MIL VAR(A1A756)	REF	..		-
43	A556A-T20		Electrical wire	2 m	...		139-155L4
44	M39029/56-351		Electrical contact	1	...		139-155L4
45	M39029/58-364		Electrical contact	1	...		139-155L4
46	3G9B01L27601		2nd Anticollision LT NVG MIL VAR(B1L276)	REF	..		-
47	A556A-T20		Electrical wire	3 m	...		139-155L4
48	A583A2418C		Cap	1	...		139-155L4
49	M39029/56-352		Electrical contact	1	...		139-155L4
50	3G9B01R14401		2nd Anticollision LT NVG MIL VAR(B1R144)	REF	..		-
51	A556A-T22		Electrical wire	4.5 m	...		139-155L4
52	M39029/56-351		Electrical contact	1	...		139-155L4
53	M39029/58-363		Electrical contact	1	...		139-155L4
54	3G9C01B41001		2nd Anticollision LT NVG MIL VAR(C1B410)	REF	..		-
55	A529A400-1302C		Backshell	1	...		139-155L4
56	A556A-T20		Electrical wire	4.5 m	...		139-155L4
57	A556A-T22		Electrical wire	4.5 m	...		139-155L4
58	A561A-T2-20		Electrical wire	4.5 m	...		139-155L4
59	D38999/26JC8SN		Connector	1	...		139-155L4
60	M23053/8-005-C		Insulation Sleeving	2	...		139-155L4
61	M39029/56-351		Electrical contact	4	...		139-155L4
62	M39029/58-363		Electrical contact	3	...		139-155L4
63	M81824/1-2		Splice	1	...		139-155L4
64	A388A3E18C		Standoff	1	..		139-155L4
65	AW001CB03H		Clamp	1	..		139-155L4
66	AW001CL001-N6		Support	1	..		139-155L4
67	ED300DS116		Decal	1	..		139-155L4
68	NAS1149D0332J		Washer	1	..		139-155L4
69	NAS1190E3P5AK		Screw	1	..		139-155L4

PART IV

#	P/N	ALTERNATIVE P/N	DESCRIPTION	Q.TY	LVL	NOTE	LOG P/N
70	4G3340A00411		2 ND ANTICOLLISION LIGHT INSTALLATION	REF	.	(4)	
71	109-0740V33-101		Anticollision light red	1	..	(5)	139-155L2
72	3G3340V00951		Anticollision light RED/IR (NVG)	1	..	(6)	-
73	ED300DS116		Decal	1	..		139-155L5
74	MS24693-C30		Screw	5	..		139-155L5

#	P/N	ALTERNATIVE P/N	DESCRIPTION	Q.TY	LVL	NOTE	LOG P/N
75	3G2490LXXXXX	3G2490V00XXX	Aux circuit breaker panel	1	.	(7)	-
76	A635A01		Switch	1	.		139-155L5
77	MS3320-5		Circuit breaker	1	.		139-155L5
78	ED300CB201		Decal	1	.		139-155L5
79	MS25036-149		Terminal Lug	1	.		139-155L5
80	M39029/56-351		Electrical contact	4	.		139-155L5
81	A556A-T20		Electrical wire	2 m	.		139-155L5
82	M39029/1-101		Electrical contact	1	.		139-155L5
83	M39029/58-363		Electrical contact	1	.		139-155L5
84	A523A-A03		Electrical contact	1	.		139-155L5

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

CONSUMABLES

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

#	SPEC./LHD CODE NUMBER	DESCRIPTION	Q.TY	NOTE	PART
85	900004953	Tie Strap	AR	(8)	
86	199-05-001 Code No. 900000262	Adhesive Flexon F241	AR	(8)	
87	EN6049-006-32-5	Nomex fiber sleeve	AR	(8)	
88	199-05-004 Type II, Class B2 Code No. 900001586	Proseal 890B2 (C153)	AR	(8)	
89	199-50-002 Type II Code No. 900001558	Hardener XB5173	AR	(8)	
90	199-50-002 Type I Code No. 900001557	Araldit resin LY5138-2	AR	(8)	
91	199-05-002 Type II, Class 2 Code No. 900004603	Adhesive EA934NA (C057)	AR	(8)	
92	199-05-002 Type I, Class 2 Code No. 900004603	Adhesive EA9309.3NA (C021)	AR	(8)	

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

LOGISTIC MATRIX

In order to apply this Service Bulletin, the following Logistic P/N can be ordered in accordance with the applicable notes:

LOGISTIC P/N	Q.TY (PER HELO)	NOTE	PART
139-155L1	1		Part I
139-155L2	1	(5)	Part I, IV
139-155L3	1		Part II
139-155L4	1	(2)	Part III
139-155L5	1		Part IV
3G3340V00951	1	(6)	Part IV
3G2490LXXXXX	1	(7)	Part IV

NOTES

- (1) This item shall be supplied if Part IV is not intended to be applied consequently to Part I or Part II.
- (2) To apply variant P/N 3G3320P00412 please present request for quotation to your Customer Support Manager of reference to take in account the specific helicopter configuration.
- (3) This item has to be supplied ONLY for helicopters equipped with 2nd anticollision light P/N 109-0740V33-101.
- (4) The 2ND anticollision light installation P/N 4G3340A00411 is applicable to both 2ND anticollision light kit P/N 4G3340F00612 and to 2ND anticollision light kit P/N 4G3340F00611.
- (5) This item has to be supplied ONLY for helicopters NOT equipped with kit NVIS P/N 4G3360F00211.
- (6) This item has to be supplied ONLY for helicopters equipped with kit NVIS P/N 4G3360F00211.
- (7) This P/N is not properly completed because it is depending on helicopter configuration. Customer must contact AW139 Product Support Engineering (engineering.support.lhd@leonardo.com) to request the new C/B panel at least three months in advance from the scheduled application of this Service Bulletin.
- (8) Item to be procured as local supply.

B. SPECIAL TOOLS

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

C. INDUSTRY SUPPORT INFORMATION

Customization.

3. ACCOMPLISHMENT INSTRUCTIONS

GENERAL NOTES

- a) 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) 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.

PART I

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. In accordance with AMP DM 39-A-06-41-00-00A-010A-A and with reference to Figures 1 and 2, remove all external panels, internal panels and internal liners and retain them for later reinstallation as required to gain access to the area affected by the installation.
3. With reference to Figure 1, perform the 2ND anticollision light structural provision P/N 3G5310A13611 as described in the following procedure:
 - 3.1 With reference to Figure 1 detail C, perform the indicated cut out Ø 50 thru panel P/N 3P5340A01431.
 - 3.2 With reference to Figure 1 schematic section D-D, seal all around the previously performed cut out by means of EA934NA (C057) adhesive.

- 3.3 Prepare a compound mixing n°100 parts by weight of Araldit LY5138-2 resin and n° 23 parts by weight of XB5173hardener.
- 3.4 With reference to Figure 1 schematic section D-D, apply three layers of Hexcel fabric fiberglass soaked of the previously prepared compound.
- 3.5 With reference to Figure 1 section B-B, temporarily locate the anticollision support assy P/N 3G5315A33332 and countermark positions of n°14 pilot holes, on panel P/N 3P5340A01431.
- 3.6 With reference to Figure 1 section B-B, drill n°14 holes \varnothing 14.25 ÷ 14.38 in the previously marked positions.
- 3.7 In accordance with CSRP DM CSRP-A-51-42-00-00A-720A-D, install n°14 inserts P/N NAS1832-08-4 in the previously performed holes by means of adhesive EA934NA (C057).

NOTE

If Part IV of this Service Bulletin is not intended to be applied consequently to Part I, then perform the following steps 3.8 and 3.9, otherwise skip to step 3.10.

- 3.8 With reference to Figure 1 section B-B, drill n°14 holes \varnothing 4.90 ÷ 5.03 thru cover plate P/N 3G5316A49651 according to existing pilot holes.
- 3.9 With reference to Figure 1 section B-B, install the cover plate P/N 3G5316A49651 by means of n°14 screws P/N AN525-832R6. Seal the cover plate on the boundary by means of Proseal 890 B2 (C153).
- 3.10 With reference to Figure 1 section B-B, drill n°14 holes to \varnothing 4.90 ÷ 5.03 to support assy P/N 3G5315A33332 according to existing pilot holes.
- 3.11 With reference to Figure 1 section B-B, install the support assy P/N 3G5315A33332 by means of n° 14 screws P/N MS27039-0805 and n°14 washers P/N NAS1149DN832J.

NOTE

Perform the following steps 4 and 5 ONLY for helicopters NOT equipped with kit NVIS P/N 4G3360F00211.

4. With references to Figures 2 and 3, perform the 2ND anticollision light electrical provision P/N 4G3340A00212 as described in the following procedure:
 - 4.1 With reference to Figure 3, install n°1 support P/N A366A3E18C in indicated position by means of adhesive Flexon F241.

- 4.2 With reference to Figure 3, install n°1 clamp P/N AW001CB03H by means of n°1 nut P/N MS21042L3, n°1 spacer P/N NAS43DD3-35N and n°1 washer P/N NAS1149D0332J.
- 4.3 With reference to Figure 3, install n°1 support P/N AW001CL000A-X3 in indicated position by means of adhesive Flexon F241.
- 4.4 With reference to Figures 2 and 3, lay down the following cable assemblies following the existing route unless otherwise indicated on the figures:
 - 2ND anticollision Light Cable Assy P/N 3G9B01B32101 (B1B321);
 - 2ND anticollision Light Cable Assy P/N 3G9C01B23001 (C1B230).

NOTE

Perform the following step 4.5 only if Part IV of this Service Bulletin is not intended to be performed consequently to Part I, otherwise skip to step 4.6.

- 4.5 With reference to Figure 3 view RH Side and Detail A, protect and stow connectors DS116P1 by means of Meta-Aramid Nomex, tie strap P/N 900004953 and protective cap P/N MS90376-10Y.
- 4.6 With reference to Figures 2 and 3 and to Figure 5 wiring diagram, perform electrical connections of C/A B1B321 between sectioning connectors J210 and overhead CB panel connector PL1P10.
- 4.7 With reference to Figures 2 and 3 and to Figure 5 wiring diagram, perform electrical connections of C/A C1B230 between sectioning connector P210 and 2ND Anticollision connector DS116P1.
5. Perform a pin-to-pin continuity check of all the electrical connections previously performed.

NOTE

Perform the following steps 6 thru 8 ONLY for helicopters equipped with kit NVIS P/N 4G3360F00211.

6. With reference to Figures 2 and 3, lay down the 2ND anticollision Light Cable Assy P/N 3G9B01B32101 (B1B321) following the existing route unless otherwise indicated on the figures.
7. With reference to Figures 2 and 3 and to Figure 5 wiring diagram, perform electrical connections of C/A B1B321 between sectioning connectors J210 and overhead CB panel connector PL1P10.
8. Continue the electrical installation with the applicable steps of Part III of this Service Bulletins.
9. In accordance with weight and balance changes, update the Chart A (see Rotorcraft Flight Manual, Part II, section 6).

10. Return the helicopter to flight configuration and record for compliance with Part I of this Service Bulletin on the helicopter logbook.
11. Gain access to My Communications section on Leonardo WebPortal and compile the "Service Bulletin Application Communication".

As an alternative, send the attached compliance form to the following mail box:

engineering.support.lhd@leonardo.com

and (for North, Central and South America) also to:

AWPC.Engineering.Support@leonardocompany.us

PART II

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. In accordance with AMP DM 39-A-06-41-00-00A-010A-A and with reference to Figures 1 and 2, remove all external panels, internal panels and internal liners and retain for later reinstallation as required to gain access to the area affected by the installation.
3. With reference to Figure 1, perform the 2ND anticollision light structural provision P/N 3G5310A13611 as described in the following procedure:
 - 3.1 With reference to Figure 1, perform the indicated cut out Ø 50 thru panel P/N 3P5340A01431.
 - 3.2 With reference to Figure 1 section D-D, seal all around the previously performed cut out by means of EA934NA (C057) adhesive.
 - 3.3 Prepare a compound mixing n°100 parts by weight of Araldit LY5138-2 resin and n° 23 parts by weight of XB5173 hardener.
 - 3.4 With reference to Figure 1 section D-D, apply three layers of Hexcel fabric fiberglass soaked with the previously prepared compound.
 - 3.5 With reference to Figure 1 view A, temporarily locate the anticollision support assy P/N 3G5315A33332 and countermark position of n°14 pilot holes, on panel P/N 3P5340A01431.
 - 3.6 With reference to Figure 1 section B-B, drill n°14 holes Ø 14.25 ÷ 14.38 in the previously marked positions.
 - 3.7 In accordance with CSRP DM CSRP-A-51-42-00-00A-720A-D, install n°14 inserts P/N NAS1832-08-4 in the previously performed holes by means of adhesive EA934NA (C057).

NOTE

If Part IV of this Service Bulletin is not intended to be applied consequently to Part II, then perform the following steps 3.8 and 3.9, otherwise skip to step 3.10.

- 3.8 With reference to Figure 1 section B-B, drill n°14 holes Ø 4.90 ÷ 5.03 thru cover P/N 3G5316A49651 according to existing pilot holes.
- 3.9 With reference to Figure 1 section B-B, install the cover plate P/N 3G5316A49651 by means of n° 14 screws P/N AN525-832R6. Seal the cover on the boundary by means of Proseal 890 B2 (C153).
- 3.10 With reference to Figure 1 section B-B, drill n° 14 holes to Ø 4.90 ÷ 5.03 to support assy P/N 3G5315A33332 according to existing pilot holes.

- 3.11 With reference to Figure 1 section B-B, install the support assy P/N 3G5315A33332 by means of n° 14 screws P/N MS27039-0805 and n° 14 washers P/N NAS1149DN832J.
4. With references to Figures 2 and 3, perform the 2ND anticollision light electrical provision P/N 4G3340A00211 as described in the following procedure:
- 4.1 With reference to Figure 3, install n°1 clamp P/N AS21919WDG03 by means of n°1 nut P/N MS21042L3, n°1 spacer P/N NAS43DD3-35N and n°1 washer P/N NAS1149D0332J.
- 4.2 With reference to Figure 3, install n°1 support P/N A366A3E18C in indicated position by means of adhesive Flexon F241.
- 4.3 With reference to Figure 3 view looking RH Side, install n°1 support P/N AW001CL000A-X3 in indicated position by means of adhesive Flexon F241.
- 4.4 With reference to Figures 2 and 3, lay down the following cable assemblies following the existing route unless otherwise indicated on the figures:
- 2ND anticollision Light Cable Assy P/N 3G9B01B32101 (B1B321);
 - 2ND anticollision Light Cable Assy P/N 3G9C01B23001 (C1B230).

NOTE

Perform the following step 4.5 only if Part IV of this Service Bulletin is not intended to be performed consequently to Part II, otherwise skip to step 4.6.

- 4.5 With reference to Figure 3 view looking RH Side and Detail A, protect and stow connectors DS116P1 by means of Meta-Aramid Nomex, tie strap P/N 900004953 and protective cap P/N MS90376-10Y.
- 4.6 With reference to Figures 2 and 3 and to Figure 5 wiring diagram, perform electrical connections of C/A B1B321 between sectioning connectors J210 and overhead CB panel connector PL1P10.
- 4.7 With reference to Figures 2 and 3 and to Figure 5 wiring diagram, perform electrical connections of C/A C1B230 between sectioning connector P210 and 2ND anticollision connector DS116P1.
- 4.8 Perform a pin-to-pin continuity check of all the electrical connections previously performed.
5. In accordance with weight and balance changes, update the Chart A (see Rotorcraft Flight Manual, Part II, section 6).
6. Return the helicopter to flight configuration and record for compliance with Part II of this Service Bulletin on the helicopter logbook.

7. Gain access to My Communications section on Leonardo WebPortal and compile the "Service Bulletin Application Communication".

As an alternative, send the attached compliance form to the following mail box:

engineering.support.lhd@leonardo.com

and (for North, Central and South America) also to:

AWPC.Engineering.Support@leonardocompany.us

PART III

NOTE

To apply variant P/N 3G3320P00412 please present request for quotation to your Customer Support Manager of reference to take in account the specific helicopter configuration.

NOTE

For helicopters that have just applied Part I of this SB, go to step 5.

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. In accordance with AMP DM 39-A-06-41-00-00A-010A-A and with reference to Figure 6, remove all external panels, internal panels and internal liners and retain them for later reinstallation as required to gain access to the area affected by the installation.

NOTE

Perform the following step 3 only if anti-collision light P/N 109-0740V33-101 is already installed on the helicopter otherwise skip to step 4

3. In accordance with AMP DM 39-B-33-48-01-00A-520A-K and with reference to Figure 11, remove anti-collision light P/N 109-0740V33-101 from the helicopter. Retain fixing hardware for later reuse.

NOTE

Perform the following step 4 only if Part I of this SB has been performed otherwise skip to step 5

4. With reference to Figure 12 (WAS) wiring diagram, remove or disconnect and stow the indicated connections of C/A C1P48 (equivalent to SB Part I C/A C1B230) to sectioning connector P210 and 2ND anticollision light connector DS116P1.
5. With reference to Figure 7, at position n°1, install support P/N AW001CL001-N6 by means of adhesive EA9309.3NA (C021).
6. With reference to Figure 11, at position n°2, install standoff P/N A388A3E18C by means of adhesive EA9309.3NA (C021) and install clamp P/N AW001CB03H by means of washer P/N NAS1149D0332J and screw P/N NAS1190E3P5AK.

NOTE

Use edging P/N A236A on metallic edges which can damage cable assemblies and where abrasion may occur.

Use braided tubing P/N EN6049 where cable assemblies chafing or contact with structure may occur.

7. With reference to Figures 7,8, table on Figure 14 and Figure 13 wiring diagram, assemble the 2nd Anticollision LT NVG MIL VAR (A1A756) P/N 3G9A01A75601 as described in the following procedure:
 - 7.1 With reference to Figure 13 wiring diagram, cut n°1 wire P/N A556A-T20 of adequate length and lay down between sectioning connector P131 and IR external light control panel connector PL58P2.
 - 7.2 In accordance with AMP DM 39-A-20-10-08-00A-622A-A and with reference to table on Figure 14 and Figure 13 wiring diagram, perform electrical connections between sectioning connector P131 and IR external light control panel connector PL58P2.
 - 7.3 In accordance with AMP DM 39-A-20-10-18-00A-691A-A and with reference to Figure 13 wiring diagram, mark wire as L3642B20-G by means of marker sleeve.
8. With reference to Figures 7,8, table on Figure 14 and Figure 13 wiring diagram, assemble the 2nd Anticollision LT NVG MIL VAR (B1L276) P/N 3G9B01L27601 as described in the following procedure:
 - 8.1 With reference to Figure 13 wiring diagram, cut n°1 wire P/N A556A-T20 of adequate length and lay down between sectioning connector J131 and cap end CE2216.
 - 8.2 In accordance with AMP DM 39-A-20-10-08-00A-622A-A and with reference to table on Figure 14 and Figure 13 wiring diagram, perform electrical connections between sectioning connector J131 and cap end CE2216.
 - 8.3 In accordance with AMP DM 39-A-20-10-18-00A-691A-A and with reference to Figure 13 wiring diagram, mark wire as L3642A20-G by means of marker sleeve.
9. With reference to Figure 9, table on Figure 14 and Figure 12 wiring diagram, assemble the 2nd Anticollision LT NVG MIL VAR (B1R144) P/N 3G9B01R14401 as described in the following procedure:
 - 9.1 With reference to Figure 12 wiring diagram, cut n°1 wire P/N A556A-T22 of adequate length and lay down between sectioning connector J212 and circuit breaker panel connector PL1P10.

- 9.2 In accordance with AMP DM 39-A-20-10-08-00A-622A-A and with reference to table on Figure 14 and Figure 12 wiring diagram, perform electrical connections between sectioning connector J212 and circuit breaker panel connector PL1P10.
- 9.3 In accordance with AMP DM 39-A-20-10-18-00A-691A-A and with reference to Figure 12 wiring diagram, mark wire as L3640A22-G by means of marker sleeve.
10. With reference to Figures 10, 11, table on Figure 14 and Figure 12 wiring diagram, assemble the 2nd Anticollision LT NVG MIL VAR (C1B410) P/N 3G9C01B41001 as described in the following procedure:
 - 10.1 With reference to Figure 12 wiring diagram, cut n°1 wire P/N A561A-T2-20 of adequate length and lay down between sectioning connector P210 and 2ND anticollision connector DS116P1.
 - 10.2 In accordance with AMP DM 39-A-20-10-08-00A-622A-A and with reference to table on Figure 14 and Figure 12 wiring diagram, perform electrical connections between sectioning connector P210 and 2ND anticollision connector DS116P1.
 - 10.3 In accordance with AMP DM 39-A-20-10-18-00A-691A-A and with reference to Figure 12 wiring diagram, mark wire as L3641A20-G by means of marker sleeve.
 - 10.4 With reference to Figure 12 wiring diagram, cut n°1 wire P/N A556A-T22 of adequate length and lay down between sectioning connector P212 and 2ND anticollision connector DS116P1.
 - 10.5 In accordance with AMP DM 39-A-20-10-08-00A-622A-A and with reference to table on Figure 14 and Figure 12 wiring diagram, perform electrical connections between sectioning connector P212 and 2ND anticollision connector DS116P1.
 - 10.6 In accordance with AMP DM 39-A-20-10-18-00A-691A-A and with reference to Figure 12 wiring diagram, mark wire as L3640B22-G by means of marker sleeve.
 - 10.7 With reference to Figure 12 wiring diagram, cut n°1 wire P/N A556A-T20 of adequate length and lay down between splice SP3818 and 2ND anticollision connector DS116P1.
 - 10.8 In accordance with AMP DM 39-A-20-10-08-00A-622A-A and with reference to table on Figure 14 and Figure 12 wiring diagram, perform electrical connections between splice SP3818 and 2ND anticollision connector DS116P1.
 - 10.9 In accordance with AMP DM 39-A-20-10-18-00A-691A-A and with reference to Figure 12 wiring diagram, mark wire as L3641B20-G by means of marker sleeve.
 - 10.10 With reference to Figure 12 wiring diagram, cut n°1 wire P/N A556A-T22 of adequate length and lay down between splice SP3818 and 2ND anticollision connector DS116P1.

- 10.11 In accordance with AMP DM 39-A-20-10-08-00A-622A-A and with reference to table on Figure 14 and Figure 12 wiring diagram, perform electrical connections between splice SP3818 and 2ND anticollision connector DS116P1.
- 10.12 In accordance with AMP DM 39-A-20-10-18-00A-691A-A and with reference to Figure 12 wiring diagram, mark wire as L3641C22-G by means of marker sleeve.
11. Perform a pin-to-pin continuity check of all the electrical connection made.

NOTE

Perform following steps 12 thru 14 only if anticollision light P/N 109-0740V33-101 has been previously removed according to step 3 instructions. Otherwise skip to step 15.

12. In accordance with AMP DM 39-B-33-48-01-00A-720A-K and with reference to Figure 11, install anti-collision light RED/IR (NVG) P/N 3G3340V00951 by means of existing hardware to the helicopter, and perform the electrical connection with the 2ND anticollision connector DS116P1.
13. In accordance with AMP DM 39-A-11-00-01-00A-720A-A and with reference to Figure 11, install n°1 decal P/N ED300DS116 in an area adjacent to 2ND anticollision light.
14. In accordance with AMP DM 39-A-33-48-00-00A-320A-K, perform the 2ND anticollision light operational check.
15. In accordance with weight and balance changes, update the Chart A (see Rotorcraft Flight Manual, Part II, section 6).
16. Return the helicopter to flight configuration and record for compliance with Part III of this Service Bulletin on the helicopter logbook.
17. Gain access to My Communications section on Leonardo WebPortal and compile the "Service Bulletin Application Communication".

As an alternative, send the attached compliance form to the following mail box:

engineering.support.lhd@leonardo.com

and (for North, Central and South America) also to:

AWPC.Engineering.Support@leonardocompany.us

PART IV

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 4, gain access to the area affected by the installation and perform the 2ND anticollision light installation P/N 4G3340A00411 as described in the following procedure:

NOTE

Perform the following steps 2.1 and 2.2 only if Part IV of this Service Bulletin has not been performed consequently to Part I or Part II otherwise skip to step 2.3.

- 2.1 With reference to Figure 1, if installed, remove and discard the cover plate P/N 3G5316A49651.
- 2.2 With reference to Figure 4 Detail B, untie connector assy removing tie strap P/N 900004953 from the stowage, remove the nomex fibre sleeve P/N EN6049-006-32-5 and the protective plug P/N MS90376-10Y from the connector P/N DS116P1.

NOTE

Perform the following step 2.3 ONLY for helicopters NOT equipped with kit NVIS P/N 4G3360F00211.

- 2.3 In accordance with AMP DM 39-B-33-48-01-00A-720A-K and with reference to Figure 4, install 2ND anticollision light P/N 109-0740V33-101 by means of n°5 screws P/N MS24693-C30, and perform the electrical connection with the 2ND anticollision connector DS116P1.

NOTE

Perform the following step 2.4 ONLY for helicopters equipped with kit NVIS P/N 4G3360F00211.

- 2.4 In accordance with AMP DM 39-B-33-48-01-00A-720A-K and with reference to Figure 4, install 2ND anticollision light (NVG) P/N 3G3340V00951 by means of n°5 screws P/N MS24693-C30, and perform the electrical connection with the 2ND anticollision connector DS116P1.
- 2.5 In accordance with AMP DM 39-A-11-00-01-00A-720A-A and with reference to Figure 4, install n°1 decal P/N ED300DS116 in an area adjacent to 2ND anticollision light.

NOTE

Customer must contact LHD PSE (engineering.support.lhd@leonardocompany.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.

3. Modify the auxiliary CB panel on the overhead panel, as described in the following procedure:
 - 3.1 In accordance with 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 one.
 - 3.2 In accordance with AMP DM 39-A-11-00-01-00A-720A-A, install n°1 circuit breaker P/N MS3320-5 in “2ND ANTICOLL” position, on the new integrally-lit panel. Apply decal P/N ED300CB201 in an adjacent area.
 - 3.3 Perform the electrical connection between CB201 pin 2 and sectioning connector PL1J500 by means of A556A-T20 wire. Use terminal lug P/N MS25036-149 for pin 2 of circuit breaker CB201 and electrical contact P/N M39029/56-351 for sectioning connector PL1J500.
 - 3.4 Disconnect electrical connections between existing switch S2 and sectioning connector PL1P500; remove and discard electrical wires.
 - 3.5 Remove and discard existing switch S2 P/N MS27722-23 and related decal P/N ED300S2 from their installation positions.
 - 3.6 In accordance with AMP DM 39-A-11-00-01-00A-720A-A, install n°1 switch S135 P/N A635A01 and n°1 decal P/N ED300S135 in an adjacent area.
 - 3.7 Perform electrical connection between switch S135 and sectioning connector PL1P500 by means of electrical wire A556A-T20. Use electrical contact M39029/1-101 for switch S135 and electrical contact P/N M39029/58-363 for sectioning connector PL1P500.
 - 3.8 Restore the electrical connections of main anticollision light previously disconnected.
 - 3.9 Perform electrical connection between sectioning connector PL1J500 and overhead circuit breaker connector PL1J10 pin R, by means of electrical wire A556A-T20. Use electrical contact P/N M39029/56-351 for sectioning connector PL1J500 and electrical contact P/N MS39029/56-351 for sectioning connector PL1J10.

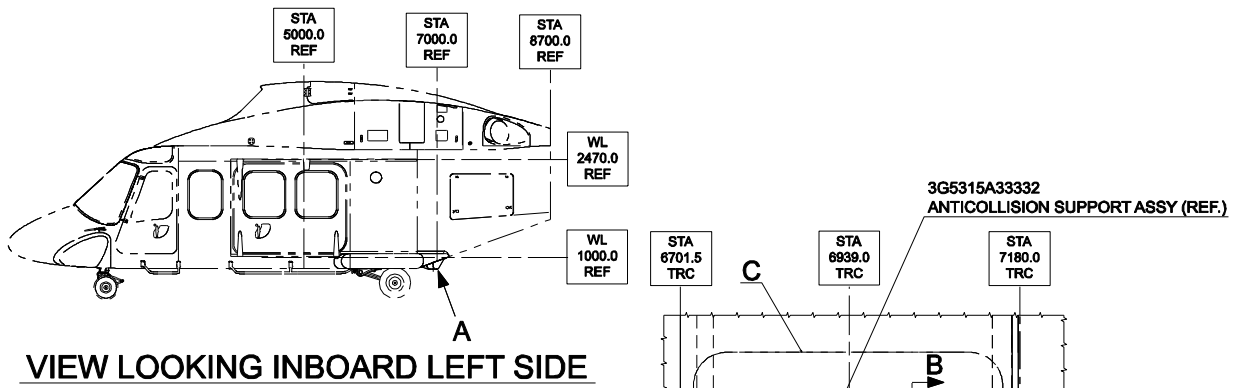
- 3.10 Perform electrical connection between terminal board TB502 and overhead circuit breaker connector PL1J10 pin P, by means of electrical wire A556A-T20. Use electrical contact P/N A523A-A03 for TB502 and electrical contact P/N M39029/56-351 for sectioning connector PL1J10.
- 3.11 Perform electrical connection between CB201 to 28V DC Main Bus 2 W22C.
- 3.12 Perform a pin-to-pin continuity check of all the electrical connections previously performed.
4. In accordance with AMP DM 39-A-33-48-00-00A-320A-K, perform the 2ND anticollision light operational check.
5. In accordance with weight and balance changes, update the Chart A (see Rotorcraft Flight Manual, Part II, section 6).
6. Return the helicopter to flight configuration and record for compliance with Part IV of this Service Bulletin on the helicopter logbook.
7. Gain access to My Communications section on Leonardo WebPortal and compile the "Service Bulletin Application Communication".

As an alternative, send the attached compliance form to the following mail box:

engineering.support.lhd@leonardo.com

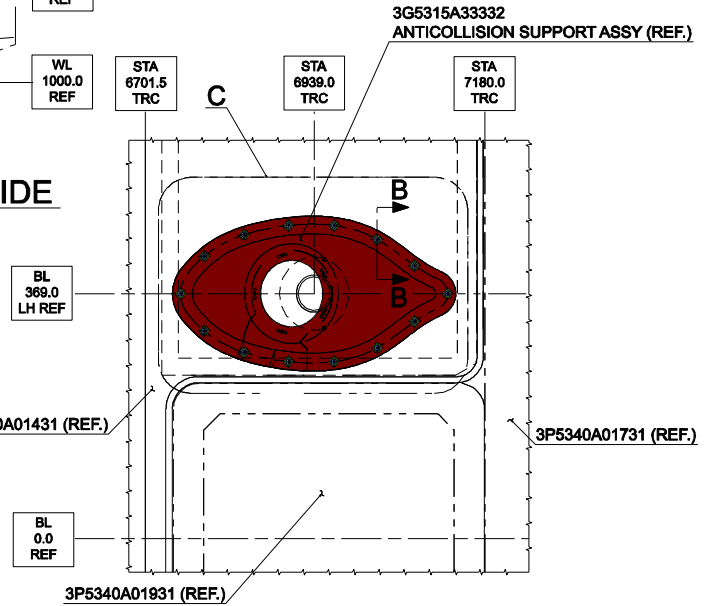
and (for North, Central and South America) also to:

AWPC.Engineering.Support@leonardocompany.us

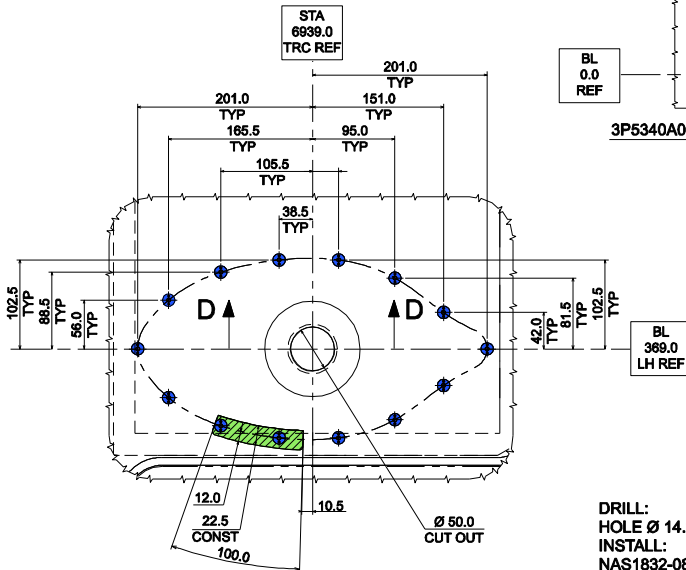


VIEW LOOKING INBOARD LEFT SIDE

**3G5310A13611
2ND ANTICOLLISION LIGHT
STRUCTURAL PROVISION**



VIEW A
VIEW NORMAL TO PANEL
ROTATED 20° CW



DETAIL C
ANTICOLLISION SUPPORT ASSY 3G5315A33332
OMITTED FOR CLARITY

DRILL:
HOLE \varnothing 14.25+14.38
INSTALL:
NAS1832-08-4 INSERT
USE:
EA934NA ADHESIVE
(TYP 14 PLACES)

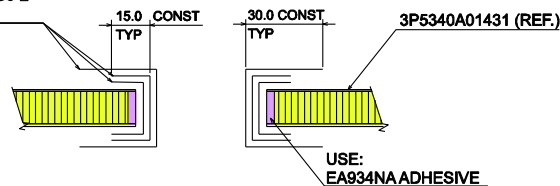
DRILL:
HOLE \varnothing 4.90+5.03
ACCORDING TO EXISTING INSERTS
INSTALL:
3P5316A49651 COVER PLATE
AN525832R6 SCREW
(TYP 14 PLACES)
SEAL THE COVER ON THE
BOUNDARY WITH PROSEAL B2

3P5340A01431 (REF.)
SEAL ALL AROUND
3G5315A33332 WITH
PROSEAL 890 B2
DRILL:
HOLE \varnothing 4.90+5.03
INSTALL:
3G5315A33332 SUPP. ASSY
MS27039-0805 SCREW/
NAS1149DN832J WASHER
(TYP 14 PLACES)

COVER PLATE P/N 3P5316A49651
TO BE INSTALLED ON THE AIRCRAFT
ONLY IF PART III IS NOT INTENDED TO BE
PERFORMED SOON AFTER PART I
OR PART II

SECTION B-B

APPLY:
3 PLYS FIBERGLASS
USE:
COMPOUND ARALDIT LY5138-2
HARDENER XB5173



SCHEMATIC SECTION D-D

Figure 1

4G3340A00212
2ND ANTICOLLISION LIGHT
ELECTRICAL PROVISION
S/N 31400 AND SUBS
S/N 41300 AND SUBS

4G3340A00211
2ND ANTICOLLISION LIGHT
ELECTRICAL PROVISION
S/N 31201 TO S/N 31398
S/N 41201 TO S/N 41293

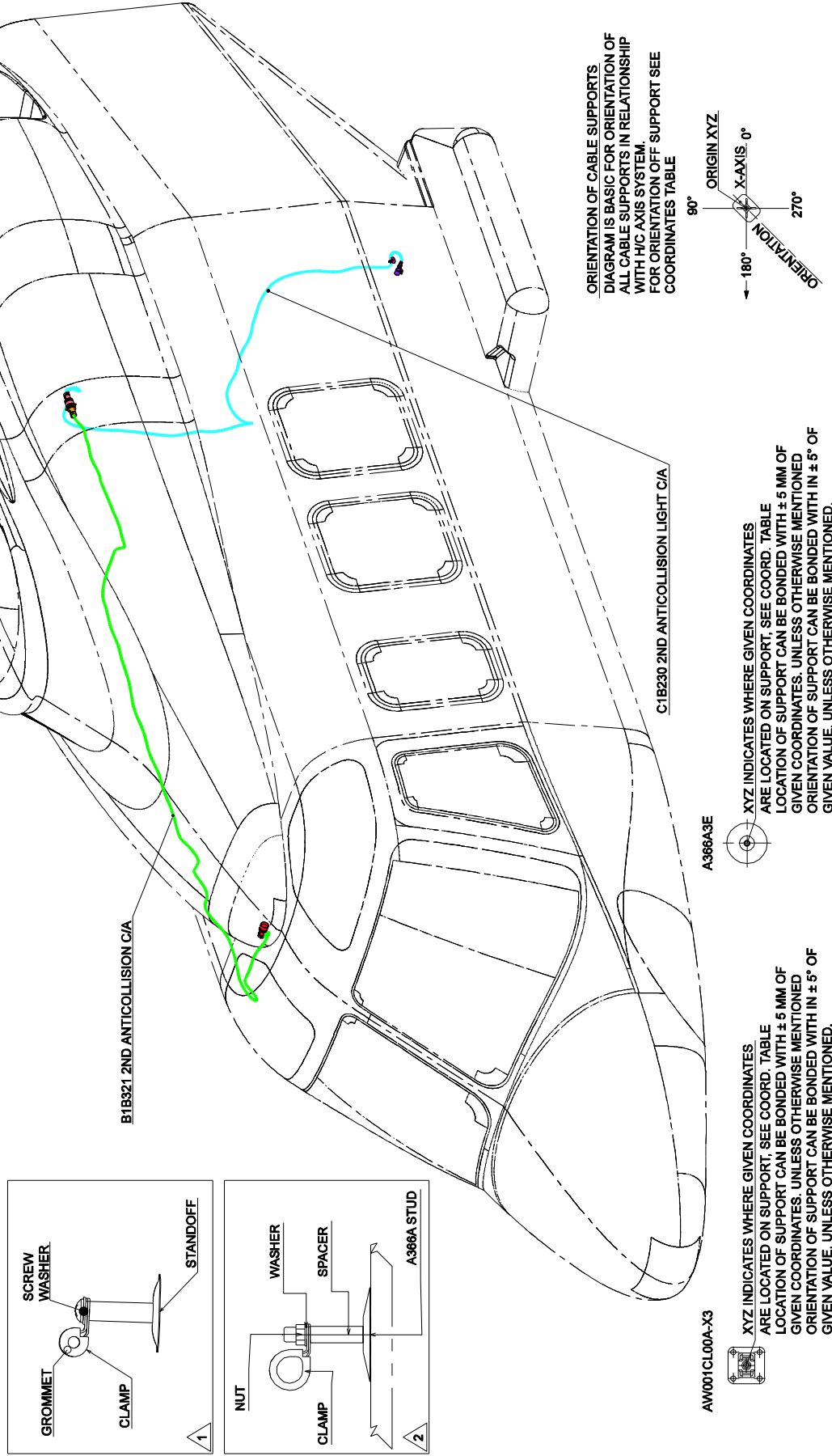
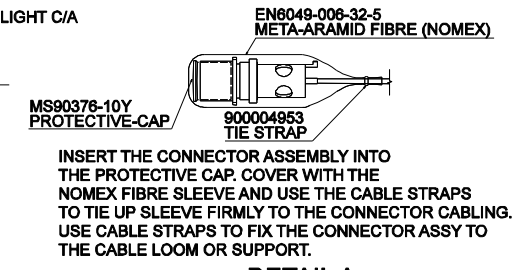
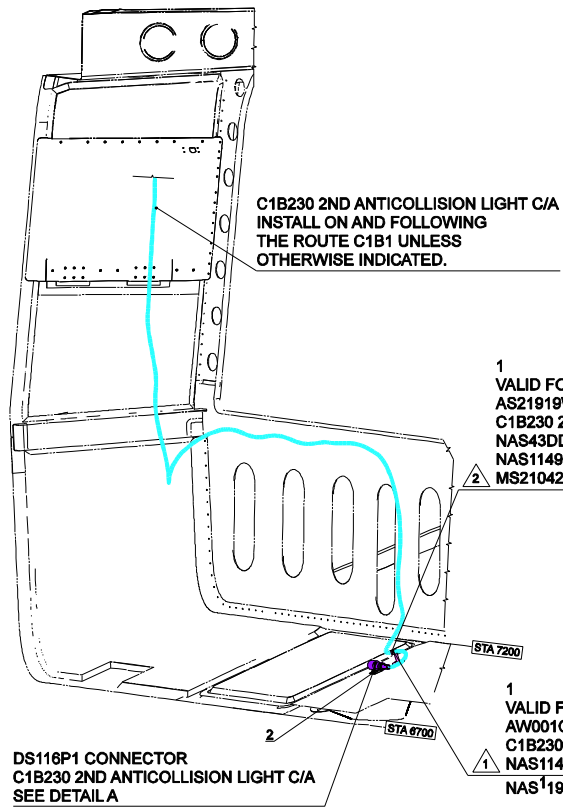
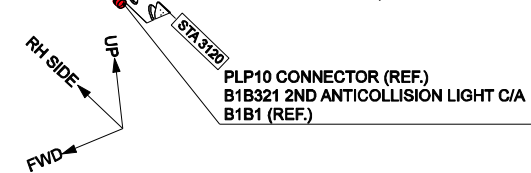
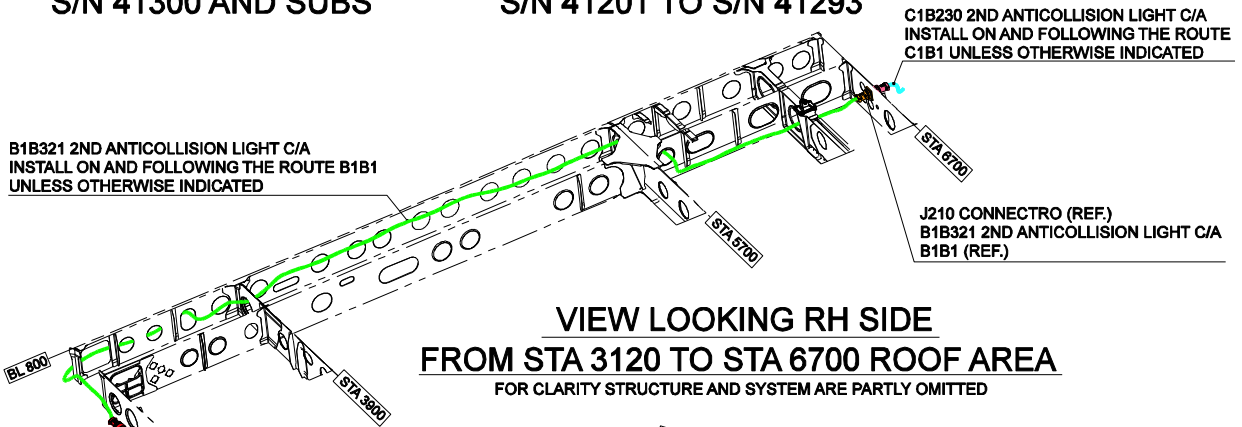


Figure 2

S.B. N°139-155 OPTIONAL
DATE: September 30, 2014
REVISION: C - June 20, 2023

4G3340A00212
2ND ANTICOLLISION LIGHT
ELECTRICAL PROVISION
S/N 31400 AND SUBS
S/N 41300 AND SUBS

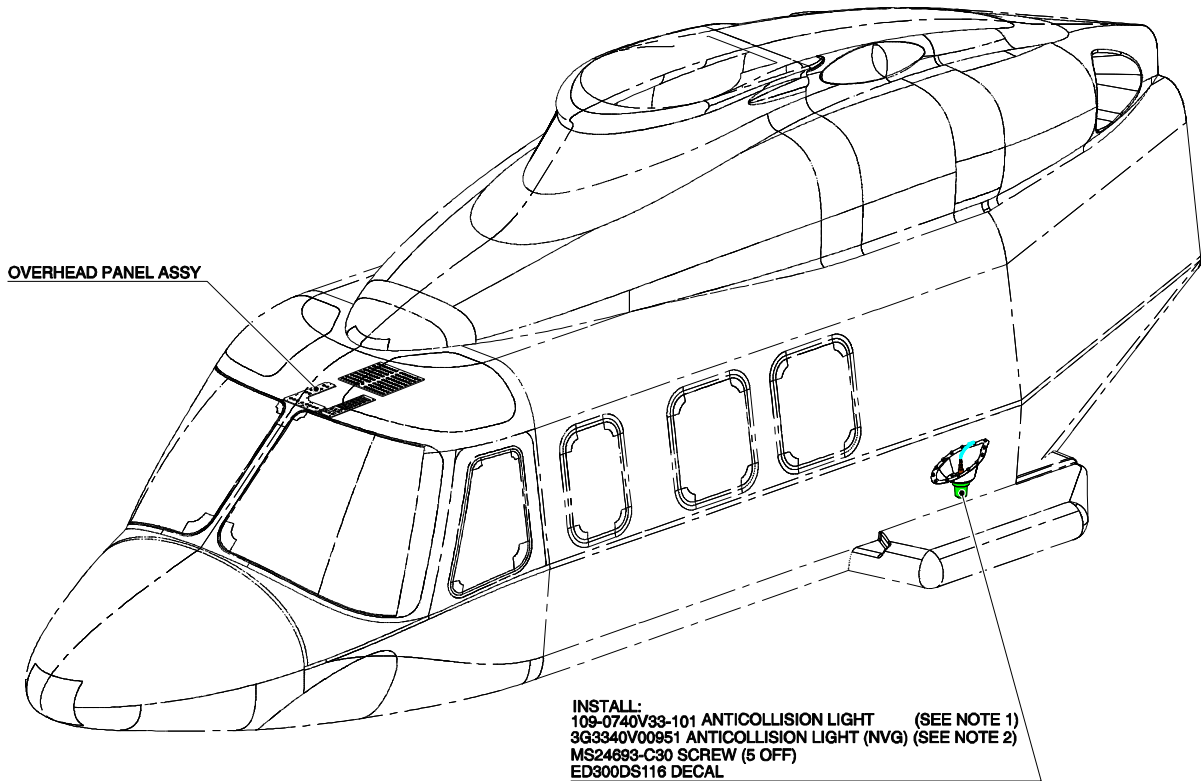
4G3340A00211
2ND ANTICOLLISION LIGHT
ELECTRICAL PROVISION
S/N 31201 TO S/N 31398
S/N 41201 TO S/N 41293



LOCATION NUMBER	PART NUMBER	STA	BL	WL	ORIENTATION	NOTE
1	A338A3E18C	7028	-333	966		VALID FOR 4G3340A00212
1	A366A3E18C	7028	-333	966		VALID FOR 4G3340A00211
2	AW001CL000A-X3	8962	-326	942	90°	VALID FOR 4G3340A00212 AND 4G3340A00211

Figure 3

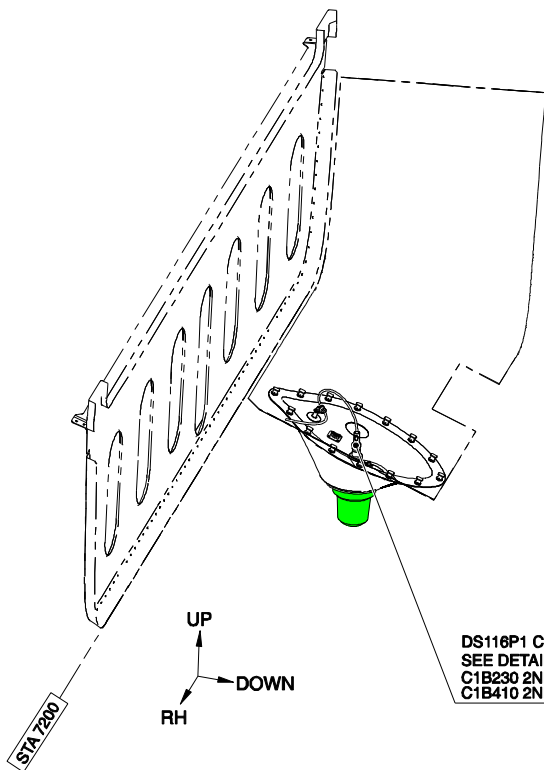
4G3340A00411
2ND ANTICOLLISION LIGHT
INSTALLATION



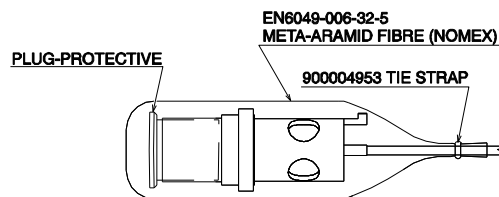
INSTALL:
109-0740V33-101 ANTICOLLISION LIGHT (SEE NOTE 1)
3G3340V00951 ANTICOLLISION LIGHT (NVG) (SEE NOTE 2)
MS24693-C30 SCREW (5 OFF)
ED300DS116 DECAL

NOTE:

1. APPLICABLE TO HELICOPTERS NOT EQUIPPED WITH KIT NVIS P/N 4G3360F00211.
2. APPLICABLE TO HELICOPTERS EQUIPPED WITH KIT NVIS P/N 4G3360F00211.



DS116P1 CONNECTOR
SEE DETAIL B
C1B230 2ND ANTICOLLISION LIGHT C/A (SEE NOTE 1)
C1B410 2ND ANTICOLLISION LT NVG MIL VAR C/A (SEE NOTE 2)



UNTIE CONNECTOR ASSY FROM THE STOWAGE
REMOVE THE NOMEX FIBRE SLEEVE AND THE PROTECTIVE PLUG
FROM THE CONNECTOR AND FIX IT TO THE EQUIPMENT

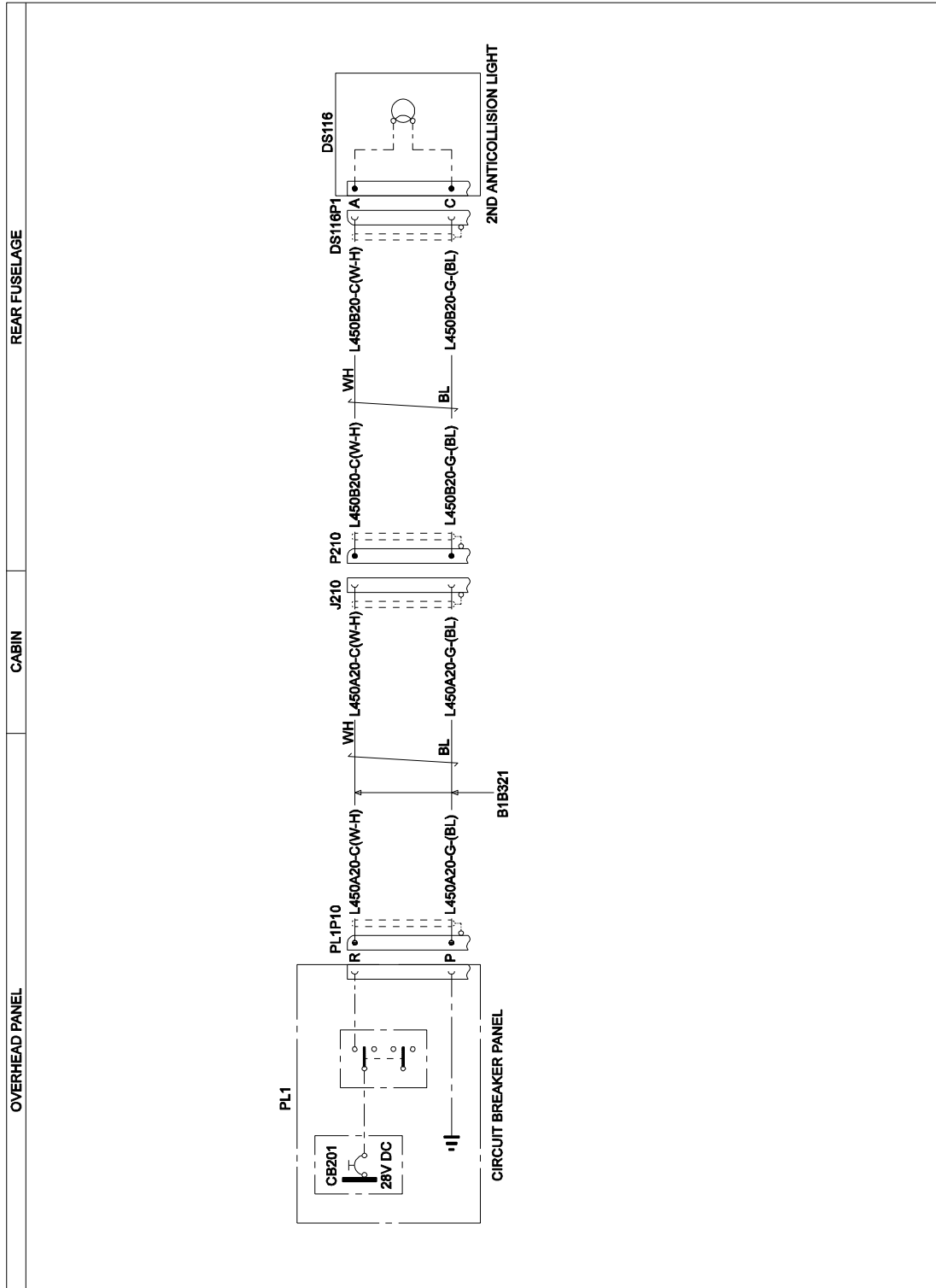
DETAIL B

VIEW LOOKING DOWN REAR AREA

STRUCTURES AND SYSTEMS ARE PARTIALLY
OMITTED FOR BETTER CLARITY PURPOSE

Figure 4

S.B. N°139-155 OPTIONAL
DATE: September 30, 2014
REVISION: C - June 20, 2023



FUNCTIONAL NOTES:
ALL CABLES ARE IN LOOM C1B230 UNLESS SPECIFIED
ALL CABLES OF TYPE A561AT2-20 UNLESS SPECIFIED

Figure 5

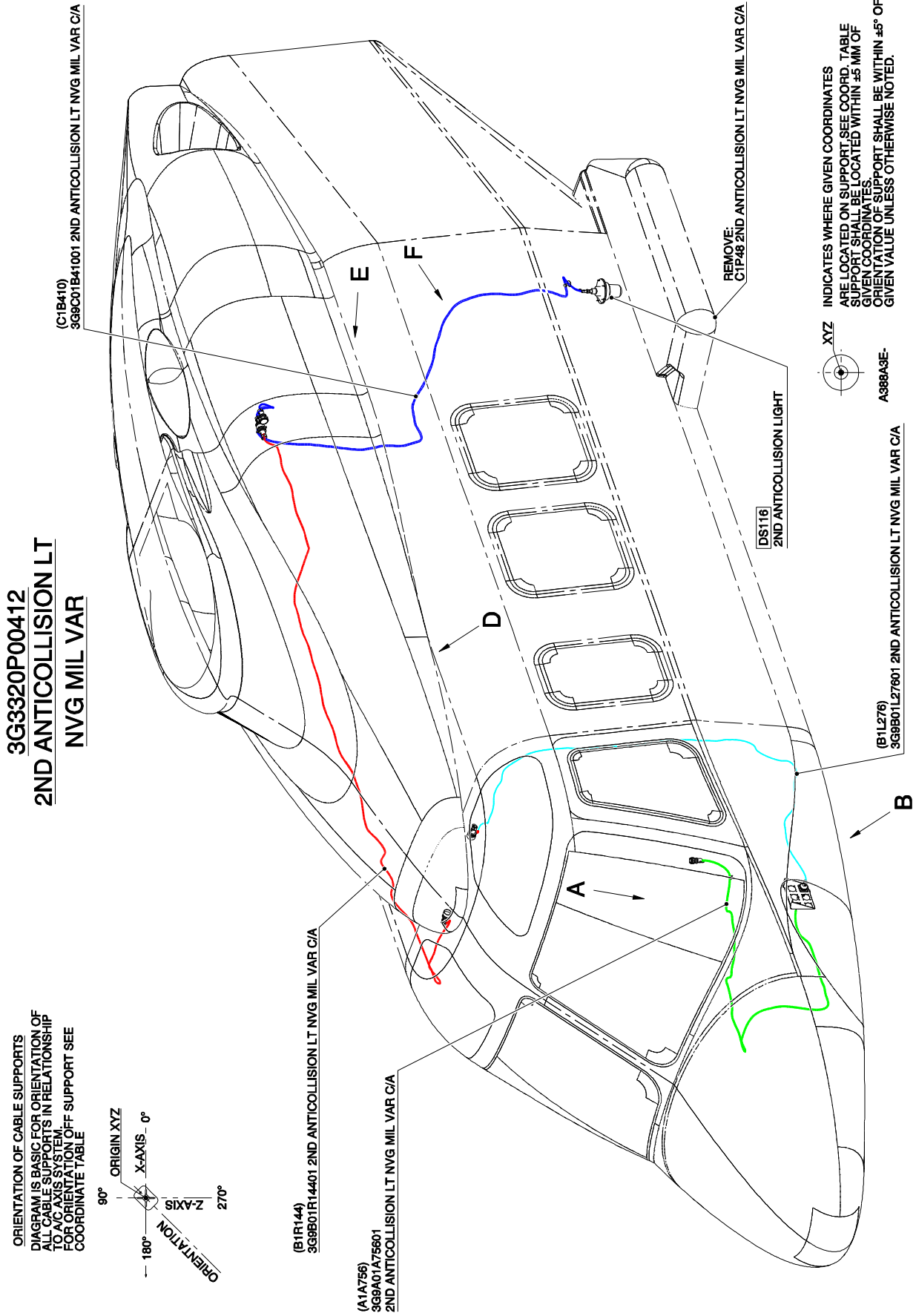


Figure 6

S.B. N°139-155 OPTIONAL
DATE: September 30, 2014
REVISION: C - June 20, 2023

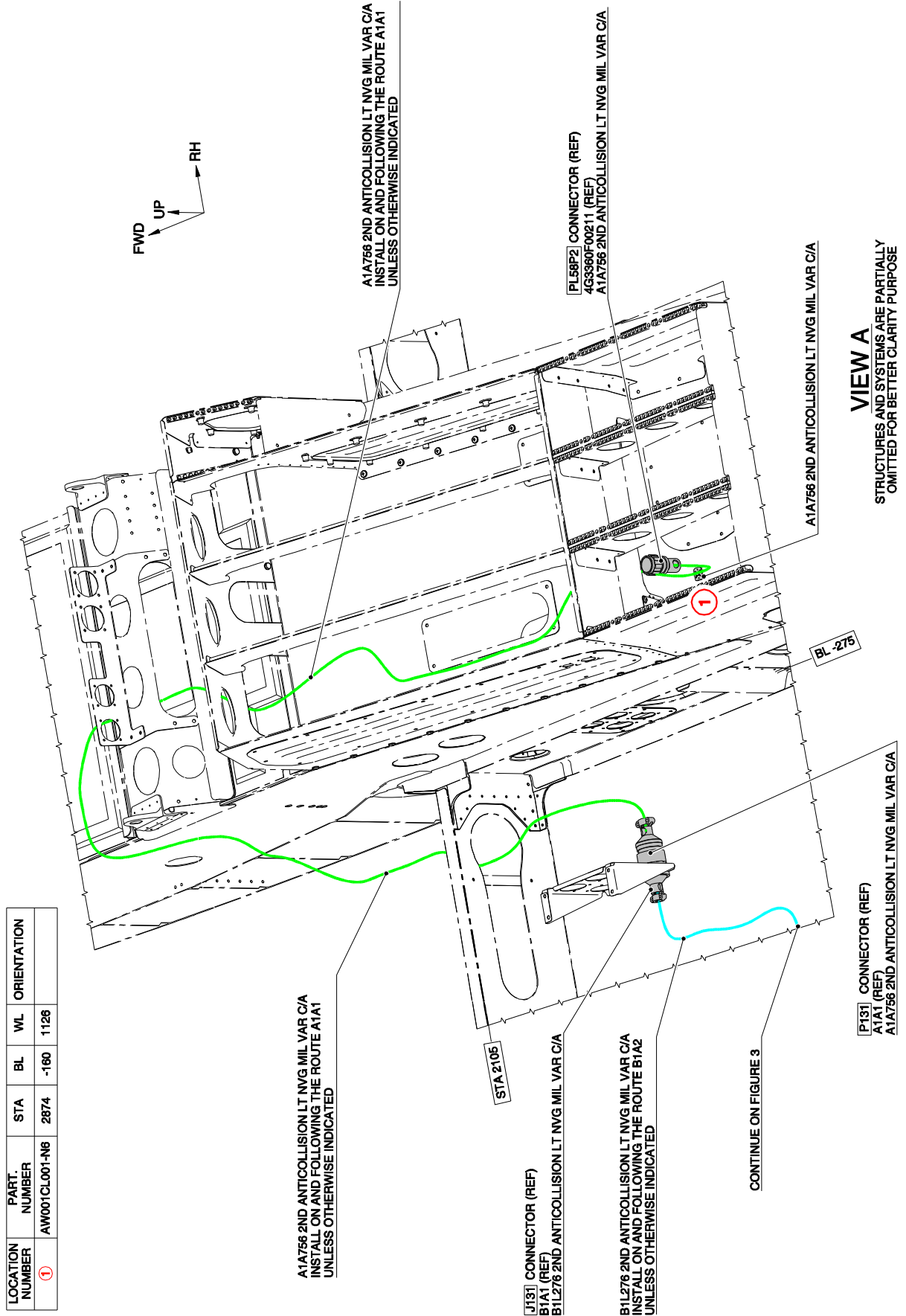


Figure 7

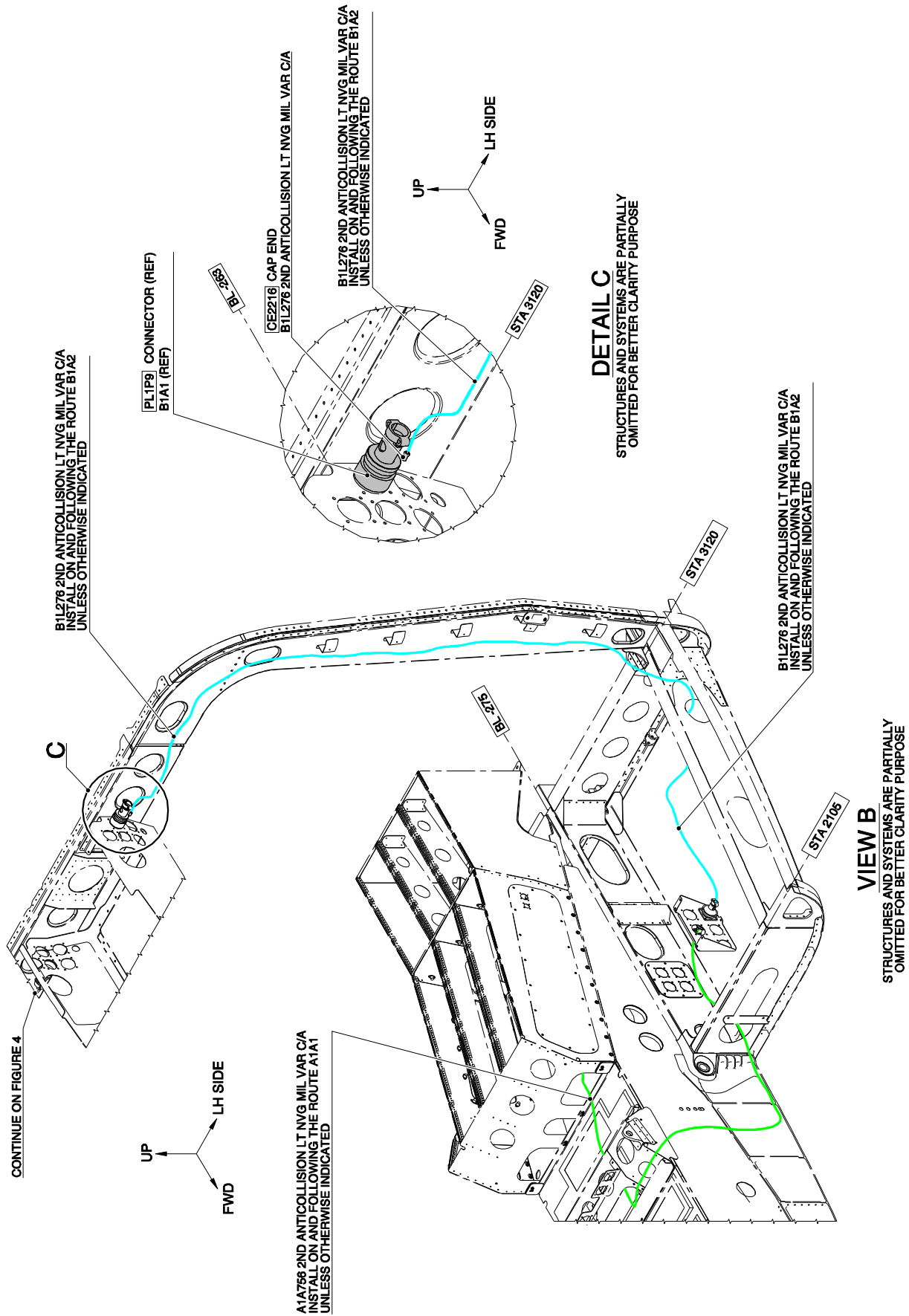


Figure 8

S.B. N°139-155 OPTIONAL
DATE: September 30, 2014
REVISION: C - June 20, 2023

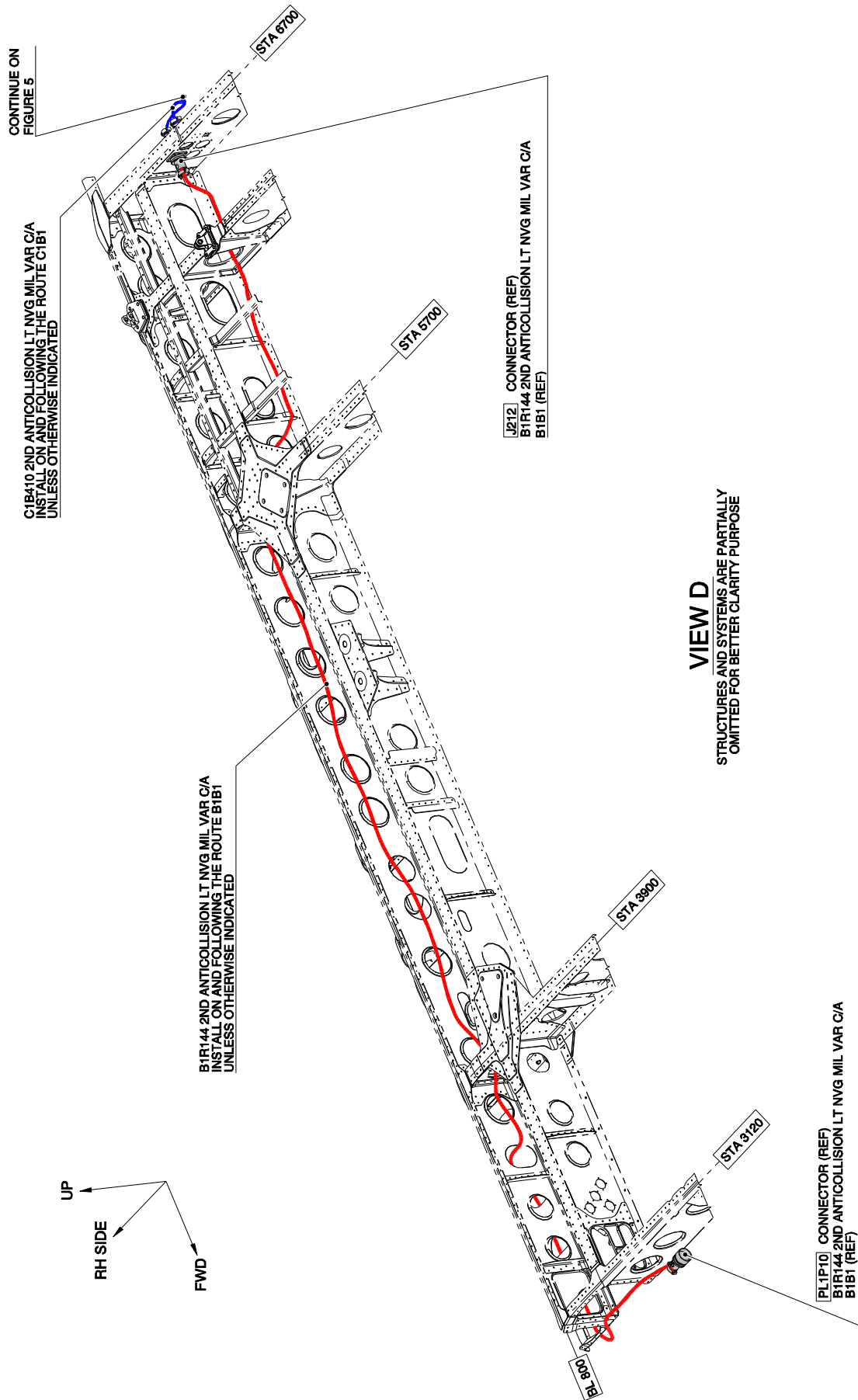
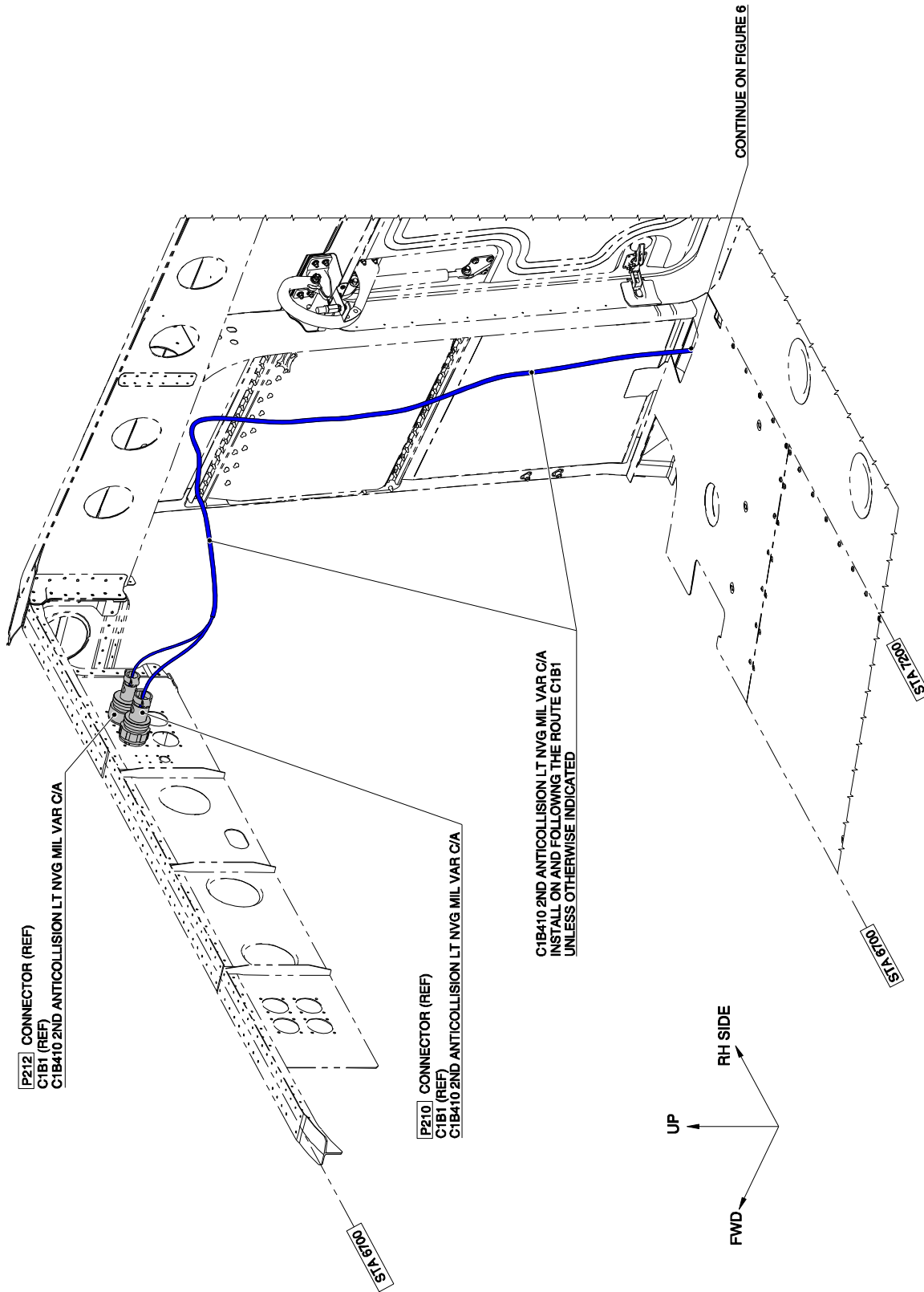


Figure 9



VIEW E
STRUCTURES AND SYSTEMS ARE PARTIALLY
OMITTED FOR BETTER CLARITY PURPOSE

Figure 10

S.B. N°139-155 OPTIONAL
DATE: September 30, 2014
REVISION: C - June 20, 2023

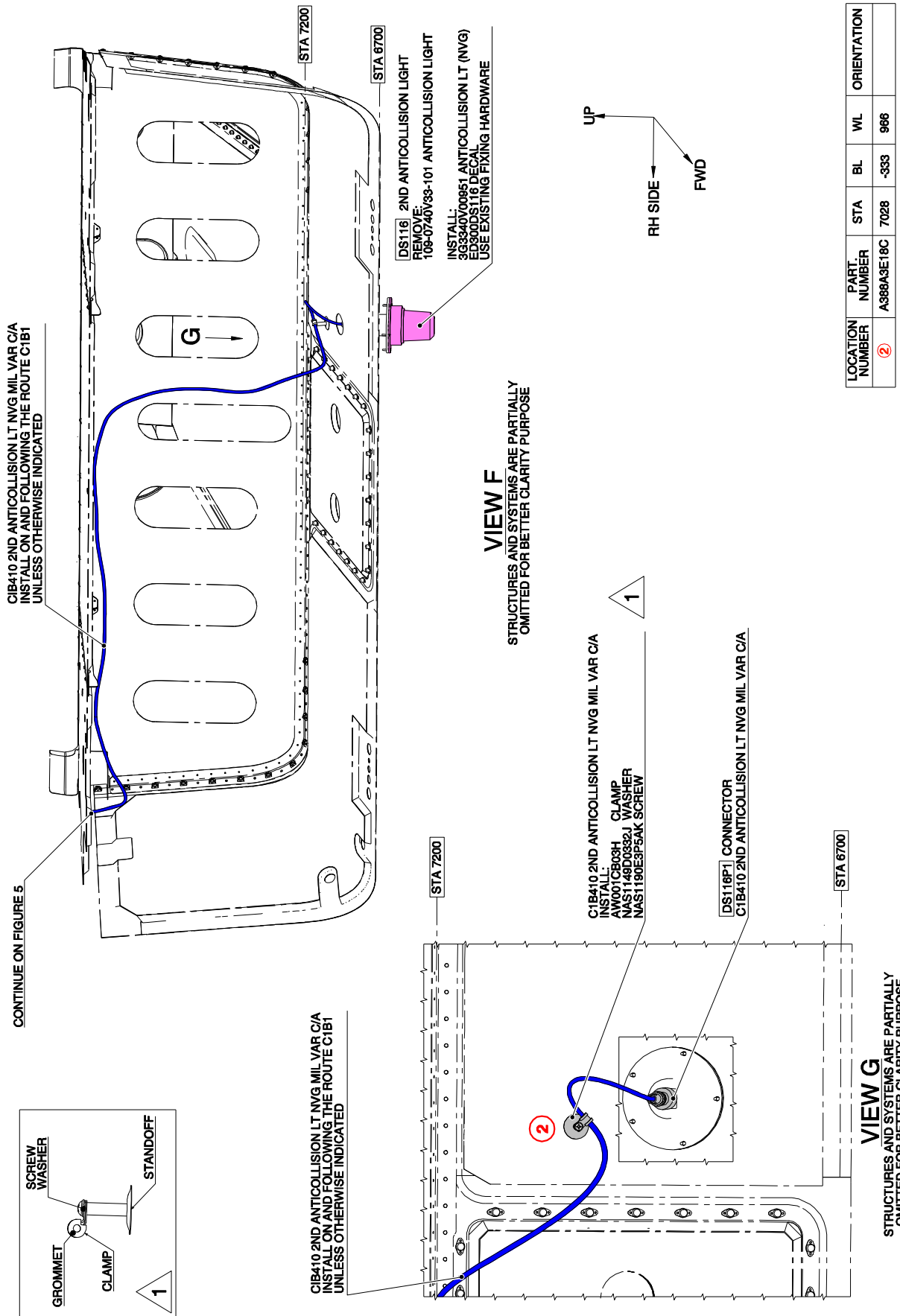
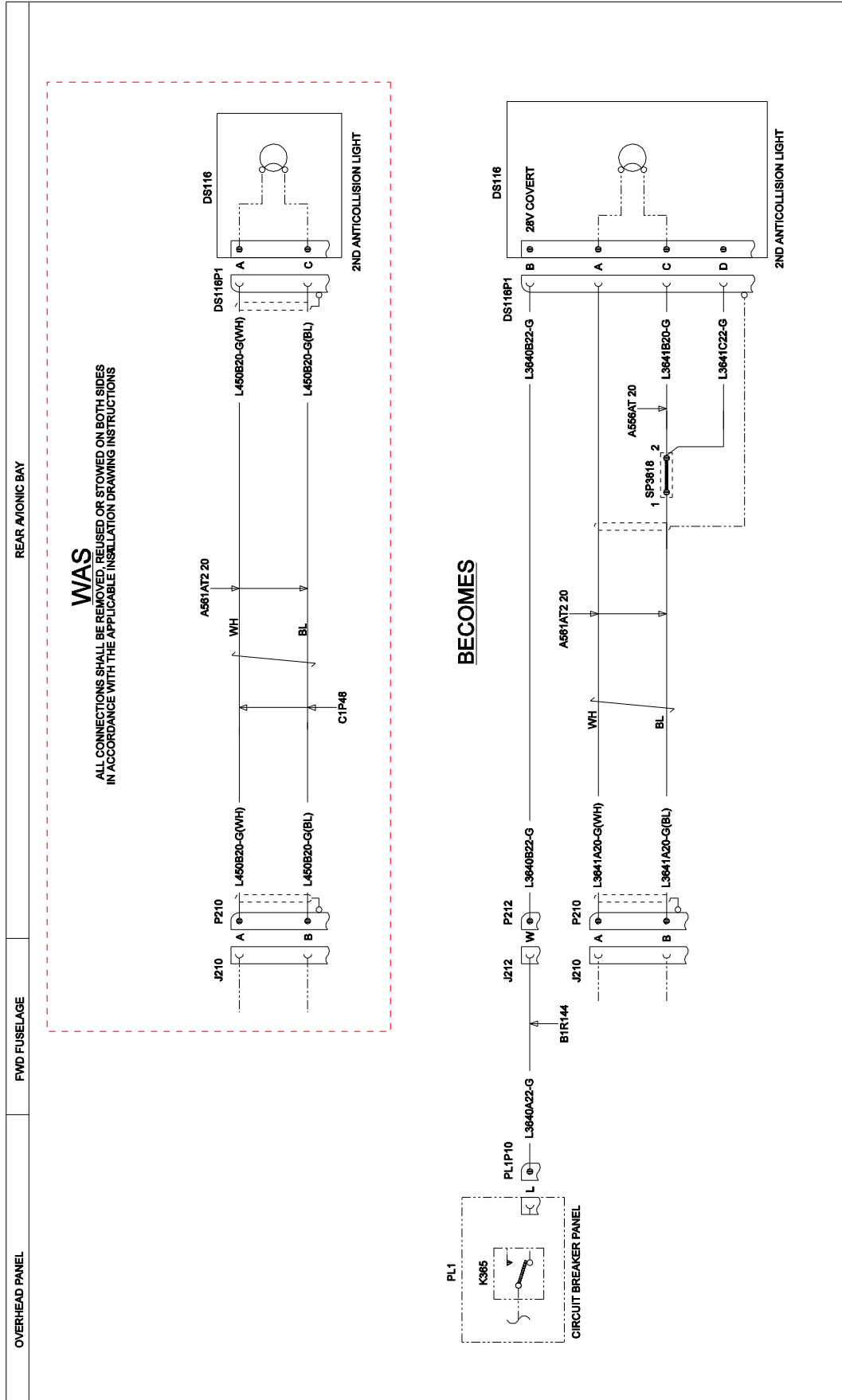


Figure 11

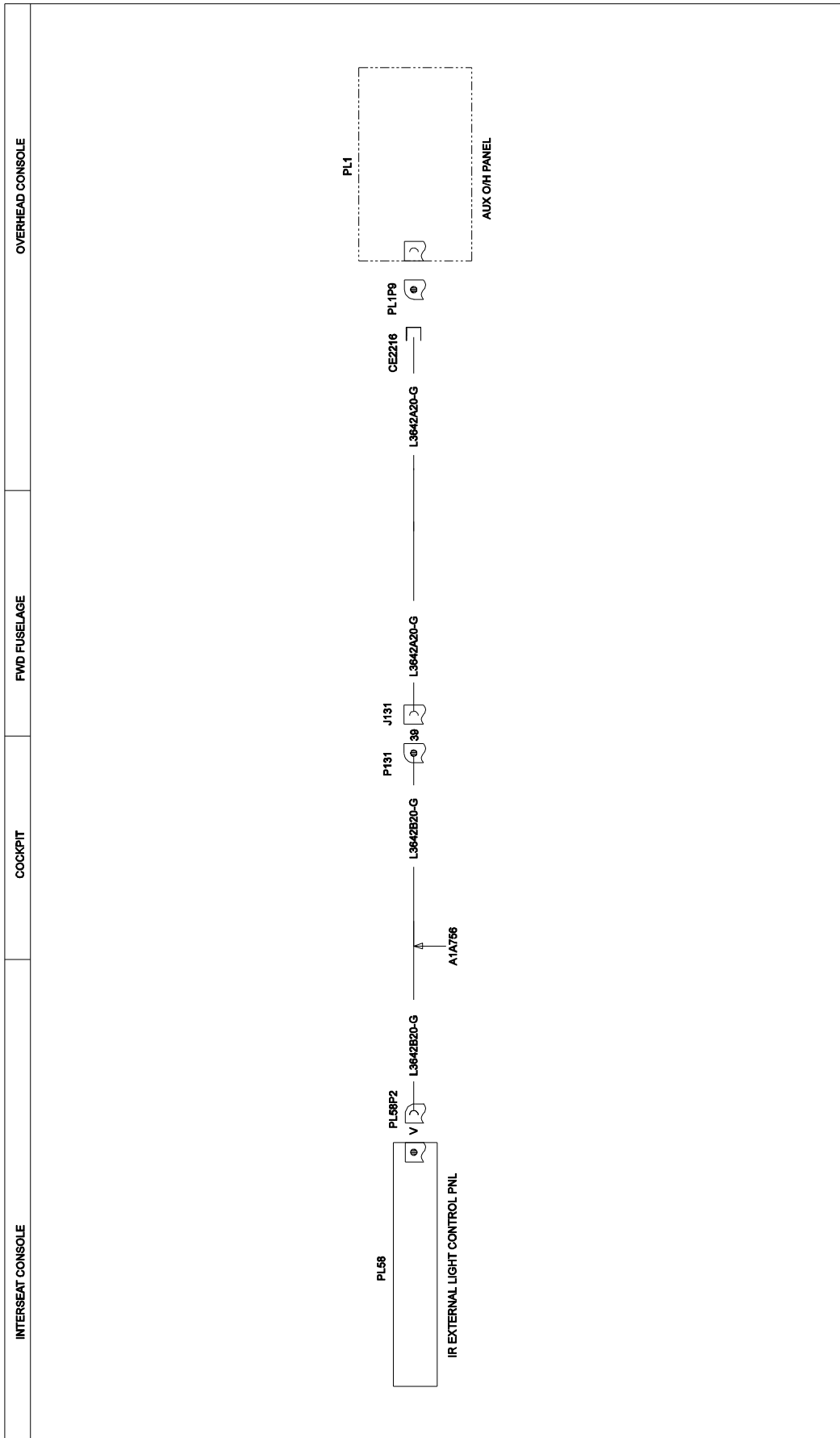


3G3320W05511
WIRING DIAGRAM 2ND ANTICOLLISION LT NVG MIL VAR
SHEET 1

FUNCTIONAL NOTES
ALL CABLES ARE IN LOOM C1B410 UNLESS SPECIFIED
ALL CABLES ARE OF TYPE A556AT 22 UNLESS SPECIFIED

Figure 12

S.B. N°139-155 OPTIONAL
DATE: September 30, 2014
REVISION: C - June 20, 2023



3G3320W05511
WIRING DIAGRAM 2ND ANTICOLLISION LT NVG MIL VAR
SHEET 2

FUNCTIONAL NOTES
ALL CABLES ARE IN LOOMB1L278 UNLESS SPECIFIED
ALL CABLES ARE OF TYPE A656AT 20 UNLESS SPECIFIED

Figure 13

Cable Assy	Wire		From		Electrical Contact	To		Electrical Contact
	ID	Col.	Ref Des	Pin		Ref Des	Pin	
A1A756	L3642B20-G		P131	39	M39029/58-364	PL58P2	V	M39029/56-351
B1L276	L3642A20-G		CE2216	*	N.A.	J131	39	M39029/56-352
B1R144	L3640A22-G		PL1P10	L	M39029/58-363	J212	W	M39029/56-351
C1B410	L3641A20-G	WH	P210	A	M39029/58-363	DS116P1	A	M39029/56-351
		BL	P210	B	M39029/58-363	SP3818	1	N.A.
	L3640B22-G		P212	W	M39029/58-363	DS116P1	B	M39029/56-351
	L3641B20-G		SP3818	2	N.A.	DS116P1	C	M39029/56-351
	L3641C22-G		SP3818	2	N.A.	DS116P1	D	M39029/56-351

Figure 14

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.