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**SERVICE BULLETIN**

**N° 139-680**

**DATE:** January 10, 2023

**REV. :** /

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**TITLE**

**ATA 23 - ICS CABIN (12-15 PAX) RIGID LINERS KIT INSTALLATION**

**REVISION LOG**

First Issue

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

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# **1. PLANNING INFORMATION**

## **A. EFFECTIVITY**

AW139 helicopters S/N 31763, S/N 31765 and S/N 31770.

## **B. COMPLIANCE**

At Customer's option.

## **C. CONCURRENT REQUIREMENTS**

N.A.

## **D. REASON**

This Service Bulletin is issued in order to provide the necessary instruction on how to perform the installation of kit ICS cabin (12-15 PAX) rigid liners P/N 4G2350F00415.

## **E. DESCRIPTION**

This Service Bulletin provides instructions to install ICS cabin (12-15 PAX) rigid liners P/N 4G2350F00415 on helicopters:

- Equipped with kit HEELS on the sidewall windows
- Equipped with specific liner/avionic customization

This Service Bulletin is divided as follow.

**Part I** gives instruction to perform:

- the removal of the kit ICS cabin panel P/N 3G2350F00413, which is incompatible with ICS P/N 4G2350F00415 and consists of the removal of the cabin audio panel PL38 and n°3 cable assemblies;
- the removal of the audio customization P/N 3G2350P01711, which consists of the removal of the digital ICS tie line adapter A575 and n°4 cable assemblies.

**Part II** gives instruction to perform:

- the installation sidewall liners compatible with ICS and HEELS part of the liner variant P/N 3G2580P32311.

**Part III** gives instruction to complete:

- the installation of the liner variant P/N 3G2580P32311, which consists of the application of liner assy ceiling AFT reworked P/N 3G2580P32031, window liner assy ceiling FWD reworked P/N 3G2580P32231, structural provision for ICS 12/15 pax variant P/N 3G5311A66111 and the installation of n°9 headphone jack sockets with related hardware.

**Part IV** gives instruction to perform:



- the installation of the ICS cabin utility complete provision P/N 3G2350A04312, which consists of the installation of ICS Cabin FWD Control panel electrical provision P/N 3G2350A04512, ICS Cabin utility AFT electrical control panel P/N 3G2350A04614, ICS cabin FWD socket electrical provision P/N 3G2350A0471, ICS Cabin AFT socket electrical provision P/N 3G2350A04812 and of ICS PAX electrical interface P/N 3G2350A07412;
- the installation of the ICS cabin utility equipment P/N 3G2350A04411, which consists of the installation of n°8 decals, n°2 switches and related supports;
- the installation of the ICS customization variant P/N 3G2350P08711, which consist of the installation of B1A833 C/A, B2A703 C/A, B1A661 C/A, B2A549 C/A, B1A663 C/A and of B2A551 C/A.

## 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 MMH are deemed necessary:

Part I: approximately thirty-six (36);

Part II: approximately eight (8);

Part III: approximately forty (40);

Part IV: approximately one-hundred and forty (140);

MMH are based on hands-on time and can change with helicopter configuration, personnel and facilities available.

## H. WEIGHT AND BALANCE

### PART I

WEIGHT (Kg)	ARM (mm)	MOMENT (Kgmm)
		-1.03
LONGITUDINAL BALANCE	3197.64	-3293.57
LATERAL BALANCE	-799.28	823.26

### PART II

N.A.

### PART III

WEIGHT (Kg)	ARM (mm)	MOMENT (Kgmm)
		1.83
LONGITUDINAL BALANCE	4600	8418
LATERAL BALANCE	0	0

### PART IV

WEIGHT (Kg)	ARM (mm)	MOMENT (Kgmm)
		16
LONGITUDINAL BALANCE	4333	69328
LATERAL BALANCE	-428	-6848

## I. REFERENCES

### 1) PUBLICATIONS

Following Data Modules refer to AMP:

<u>DATA MODULE</u>	<u>DESCRIPTION</u>	<u>PART</u>
DM01 39-A-00-20-00-00A-120A-A	Helicopter safety - Pre-operation	I, II, III, IV
DM02 39-A-06-41-00-00A-010A-A	Access doors and panels – General data	I, II, III, IV
DM03 39-A-23-53-01-00A-520A-K	Cabin audio panel - Remove procedure	I
DM04 39-A-11-00-01-00A-720A-A	Decal - Install procedure	IV
DM05 39-A-20-10-09-00A-920A-A	Bonded studs - Replacement	IV
DM06 39-A-20-10-08-00A-622A-A	Electrical contacts - Crimp	IV
DM07 39-A-20-10-18-00A-691A-A	Electrical wires and cables – Marking	IV
DM08 39-G-23-53-01-00A-720A-K	Forward control panel - Install procedure	IV
DM09 39-G-23-53-03-00A-720A-K	Aft control panel - Install procedure	IV

<u>DATA MODULE</u>	<u>DESCRIPTION</u>	<u>PART</u>
DM10 39-G-23-53-00-00A-320A-K	Cabin audio system - Operation test	IV

Following Data Modules refer to CSPP:

<u>DATA MODULE</u>	<u>DESCRIPTION</u>	<u>PART</u>
DM11 CSPP-A-20-10-12-00A-250A-D	Ground connections – Clean and apply surface protection	II
DM12 CSPP-A-20-10-04-03A-920A-D	Cable loom (Plastic loom support) - Replacement	IV

## 2) ACRONYMS & ABBREVIATIONS

AMDI	Aircraft Material Data Information
AMP	Aircraft Maintenance Publication
AR	As Required
ATA	Air Transport Association
C/A	Cable Assy
CSPP	Common Standard Practices Publication
DM	Data Module
DOA	Design Organization Approval
EASA	European Aviation Safety Agency
HEELS	Helicopter Emergency Exit Lights System
ICS	Intercommunication System
IPD	Illustrated Parts Data
ITEP	Illustrated Tool and Equipment Publication
LH	Leonardo Helicopters
MMH	Maintenance Man Hours
N.A.	Not Applicable
NIM	Network Interface Module
P/N	Part Number
PTT	Push-To-Talk
SB	Service Bulletin
S/N	Serial Number

## 3) ANNEX

N.A.

## J. PUBLICATIONS AFFECTED

N.A.

## K. SOFTWARE ACCOMPLISHMENT SUMMARY

N.A.

## 2. MATERIAL INFORMATION

### A. REQUIRED MATERIALS

#### 1) PARTS

##### PART I

#	P/N	ALTERNATIVE P/N	DESCRIPTION	Q.TY	LVL	NOTE	LOG P/N
1	999-0500-85-137		Blanking plate	1	.	(1)	-

##### PART II

#	P/N	ALTERNATIVE P/N	DESCRIPTION	Q.TY	LVL	NOTE	LOG P/N
2	<b>3G2580P32311</b>		<b>LINER VARIANT</b>	<b>REF</b>	.		-
3	3G2580P18231	3G2580P18231CS02	Window liner LWR LH	1	..	(2)	-
4	3G2580P06731	3G2580P06731CS01	Window liner RH LWR	1	..	(2)	-
5	3G2580A20831	3G2580A20831CS01	Angular assy RH	1	..	(2)	-
6	3G2580P04132	3G2580P04132CS01	Window liner upper RH	1	..	(2)	-
7	<b>3G2580P32131</b>		<b>WINDOW LINER ASSY LH UPPER REWORKED</b>	<b>REF</b>	..		-
8	3G5306P49931	3G5306P49931CS02	Window liner assy LH upper reworked	1	...	(2)	-
9	MS27980-18N	MS27980-18B	Fastener	2	..		-

##### PART III

#	P/N	ALTERNATIVE P/N	DESCRIPTION	Q.TY	LVL	NOTE	LOG P/N
10	<b>3G2580P32311</b>		<b>LINER VARIANT</b>	<b>REF</b>	.		-
11	<b>3G2580P32031</b>		<b>LINER ASSY CEILING AFT REWORKED</b>	<b>REF</b>	..		-
12	3G2580A34732	3G2580A34732CS01	Liner assy ceiling aft	1	...	(2)	-
13	NAS1836-08-07		Insert	32	...		139-680L1
14	<b>3G2580P32231</b>		<b>LINER ASSY CEILING FWD REWORKED</b>	<b>REF</b>	..		-
15	NAS1836-08-07		Insert	12	...		139-680L1
16	3G5310A22551		Cover	1	..		139-680L1
17	3G5310A22951		Reinforcement	1	..		139-680L1
18	<b>3G5311A66111</b>		<b>STRUCT PROV FOR ICS 12/15 PA</b>	<b>REF</b>	..		-
19	A407A3C2P		Anchor nut	4	...		139-680L1
20	3G5315A42332		Support assy	1	..	(4)	139-680L1
21	<b>3G5315A42335</b>		<b>SUPPORT ASSY</b>	<b>REF</b>	..	<b>(4)</b>	-
22	3G5315A42455		Support	1	...		-
23	3G5315A43052		Bracket	1	...		-
24	A350A-R	A350A-R007	Turnlock fastener receptacle	2.5 m	...		-
25	MS20470AD4-6		Rivet	0.1 kg	...		-
26	MS20470AD4-7		Rivet	0.1 kg	...		-
27	3G5315A42531		Support assy	1	..	(5)	139-680L1
28	<b>3G5315A42536</b>		<b>SUPPORT ASSY</b>	<b>REF</b>	..	<b>(5)</b>	-
29	3G5315A42354		Support	1	...		-
30	A350A-R	A350A-R007	Turnlock fastener receptacle	2.5 m	...		-
31	MS20470AD4-6		Rivet	0.1 kg	...		-
32	3G5315A42751	3G5315A42751CS01	Headphone jack socket (1 place)	2	..	(2)	-
33	3G5315A42752	3G5315A42752CS01	Headphone jack socket (2 place)	3	..	(2)	-

#	P/N	ALTERNATIVE P/N	DESCRIPTION	Q.TY	LVL	NOTE	LOG P/N
34	3G5315A42754	3G5315A42754CS01	Headphone panel lower Support	1	..	(2)	-
35	3G5315A42755	3G5315A42755CS01	Headphone panel upper support	1	..	(2)	-
36	3G5315A42931		Bracket assy	2	..		139-680L1
37	3G5316A27351	3G5316A27351CS01	Headphone jack socket LH	2	..	(2)	-
38	3G5316A27352	3G5316A27352CS01	Headphone jack socket RH	2	..	(2)	-
39	3G5317A06631		Support assy	1	..		139-680L1
40	MS27039-1-05		Screw	4	..		139-680L1
41	MS27039-1-11		Screw	4	..		139-680L1
42	MS35206-240		Screw	40	..		139-680L1
43	MS35206-241		Screw	4	..		139-680L1
44	NAS1149BN816H		Washer	44	..		139-680L1
45	NAS1149D0332K		Washer	4	..		139-680L1
46	NAS1149D0332J		Washer	100	..		139-680L1
47	NAS1835-3		Insert	2	..		139-680L1
48	NAS9301B-4-02	NAS9301BNS-4-02	Rivet	100	..		139-680L1

#### **PART IV**

#	P/N	ALTERNATIVE P/N	DESCRIPTION	Q.TY	LVL	NOTE	LOG P/N
49	4G2350F00415		KIT ICS CABIN (12-15 PAX) RIGID LINERS	REF	.		-
50	3G2350A04312		ICS CABIN UTILITY COMPLETE PROVISION	REF	..		-
51	3G2350A04512		ICS CABIN FWD CONTROL PANEL ELECTRICAL PROV	REF	...		-
52	3G9A01A47801		ICS PAX FWD CONTROL PANEL C/A (A1A478)	REF	....	(6)	139-680L2
53	A523A-A02		Electrical contact	2	.....		-
54	A556A-T22		Electrical wire	6.0 m	.....		-
55	M39029/58-363		Electrical contact	2	.....		-
56	3G9B01A83101	3G2350A04512A1R	ICS PAX FWD CONTROL PANEL C/A (B1A831)	REF	....	(7)	139-680L2
57	250-8501-010		Electrical jackscrew	4	.....		-
58	A556A-T20		Electrical wire	5.0 m	.....		-
59	A556A-T22		Electrical wire	55.0 m	.....		-
60	DD121073-153		Electrical connector clamp	2	.....		-
61	M24308/2-15	M24308/2-15F	Connector receptacle	1	.....		-
62	M24308/2-5		Connector receptacle	1	.....		-
63	M39029/56-348		Electrical contact	3	.....		-
64	M39029/56-351		Electrical contact	3	.....		-
65	M39029/57-354		Electrical contact	5	.....		-
66	M39029/58-363		Electrical contact	1	.....		-
67	M39029/63-368		Electrical contact	2	.....		-
68	M81824/1-1		Splice	2	.....		-
69	3G9B02A70101	3G2350A04512A1R	ICS PAX FWD CONTROL PANEL C/A (B2A701)	REF	....	(7)	139-680L2
70	A523A-A01		Electrical contact	2	.....		-
71	A523A-A02		Electrical contact	14	.....		-
72	A556A-T22		Electrical wire	65.0 m	.....		-
73	A561A-T2-22		Electrical wire	110.0 m	.....		-
74	A590A02		Ferrule	4	.....		-
75	AW001YD03	A597A03	Diode assembly	7	.....		-
76	M23053/8-004-C		Insulation sleeving	200.0 m	.....		-
77	M39029/56-348		Electrical contact	56	.....		-
78	M39029/57-354		Electrical contact	16	.....		-

#	P/N	ALTERNATIVE P/N	DESCRIPTION	Q.TY	LVL	NOTE	LOG P/N
79	M39029/63-368		Electrical contact	38	.....		-
80	M81824/1-1		Splice	4	.....		-
81	MS25036-148		Terminal lug	1	.....		-
82	RLR07C1500GR		Resistor	2	.....		-
83	A366A3E18C		Stud	1	.....		139-680L2
84	A366A3E32C		Stud	2	.....		139-680L2
85	A522A02A		Terminal module rail	1	.....		139-680L2
86	A524A1A-A		Identification label	1	.....		139-680L2
87	A593A-A02		Terminal board	1	.....		139-680L2
88	AW001CB03H		Clamp	1	.....		139-680L2
89	AW001CB04H		Clamp	8	.....		139-680L2
90	AW001CB09H		Clamp	1	.....		139-680L2
91	AW001CB16H		Clamp	9	.....		139-680L2
92	AW001CL002C-X2		Support	1	.....		139-680L2
93	AW001CL008-CM		Support	1	.....		139-680L2
94	AW001CL510B-N6		Support	1	.....		139-680L2
95	AW001TL3A08		Anchor nut	1	.....		139-680L2
96	ED300TB2211		Decal	1	.....		139-680L2
97	MS21043-3	MS21043L3	Nut	3	.....		139-680L2
98	NAS1149D0332J		Washer	4	.....		139-680L2
99	NAS1149DN616J		Washer	2	.....		139-680L2
100	NAS1190E3P30AK		Screw	5	.....		139-680L2
101	NAS1190E3P32AK		Screw	1	.....		139-680L2
102	NAS1802-06-6		Screw	2	.....		139-680L2
103	NAS1802-3-14		Screw	1	.....		139-680L2
104	NAS1802-3-9		Screw	1	.....		139-680L2
105	NAS43DD3-15N		Spacer	1	.....		139-680L2
106	NAS43DD3-20N		Spacer	1	.....		139-680L2
107	NAS43DD3-65N		Spacer	1	.....		139-680L2
108	NAS43DD3-85N		Spacer	5	.....		139-680L2
109	NAS43DD3-90N		Spacer	1	.....		139-680L2
110	NAS43DD3-98N		Spacer	1	.....		139-680L2
<b>111</b>	<b>3G2350A04614</b>		<b>ICS CABIN UTILITY AFT CONTROL PANEL ELECTRICAL PROV</b>	<b>REF</b>	<b>...</b>		<b>-</b>
<b>112</b>	<b>3G9A01A47901</b>		<b>ICS PAX AFT CONTROL PANEL C/A (A1A479)</b>	<b>REF</b>	<b>.....</b>	<b>(6)</b>	<b>139-680L2</b>
113	A523A-A02		Electrical contact	2	.....		-
114	A556A-T22		Electrical wire	6.0 m	.....		-
115	M39029/58-363		Electrical contact	2	.....		-
116	A366A3E18C75		Stud	2	.....		139-680L2
117	A520A01WPN		Electrical connector	2	.....		139-680L2
118	AW001CB19H		Clamp	2	.....		139-680L2
119	ED300TB297		Decal	1	.....		139-680L2
120	ED300TB299		Decal	1	.....		139-680L2
121	M85049/95-25A-A		Flange	2	.....		139-680L2
122	MS21043-3		Nut	2	.....		139-680L2
123	NAS1149D0332J		Washer	5	.....		139-680L2
124	NAS1149DN616J		Washer	8	.....		139-680L2
125	NAS1802-06-7		Screw	8	.....		139-680L2
126	NAS1802-3-9		Screw	1	.....		139-680L2
127	NAS43DD3-40N		Spacer	2	.....		139-680L2
<b>128</b>	<b>3G2350A04712</b>		<b>ICS CABIN FWD SOCKET ELECTRICAL PROV</b>	<b>REF</b>	<b>...</b>		<b>-</b>
129	A635A06	112TW1-10	Switch	1	.....		139-680L2
130	3G2350A02032		Audio connector assy	6	.....		139-680L2
131	A593A-H02		Terminal board	1	.....		139-680L2

#	P/N	ALTERNATIVE P/N	DESCRIPTION	Q.TY	LVL	NOTE	LOG P/N
132	AW001CL001-N6		Support	42	....		139-680L2
133	AW001CL002C-X2		Support	1	....		139-680L2
134	ED300J2119		Decal	1	....		139-680L2
135	ED300J2121		Decal	1	....		139-680L2
136	ED300J2125		Decal	1	....		139-680L2
137	ED300J2127		Decal	1	....		139-680L2
138	ED300J2129		Decal	1	....		139-680L2
139	ED300J2131		Decal	1	....		139-680L2
140	ED300J2133		Decal	1	....		139-680L2
141	ED300J2205		Decal	1	....		139-680L2
142	ED300J2207		Decal	1	....		139-680L2
143	ED300J2209		Decal	1	....		139-680L2
144	ED300J2211		Decal	1	....		139-680L2
145	ED300J2213		Decal	1	....		139-680L2
146	ED300TB293		Decal	1	....		139-680L2
147	M85049/95-12A-A		Flange	2	....		139-680L2
148	MS24693-S5		Screw	8	....		139-680L2
149	MS35206-243		Screw	2	....		139-680L2
150	NAS1149DN416J		Washer	2	....		139-680L2
151	NAS1149DN816J		Washer	2	....		139-680L2
<b>152</b>	<b>3G2350A04812</b>		<b>ICS CABIN AFT SOCKET ELECTRICAL PROV</b>	<b>REF</b>	<b>...</b>		<b>-</b>
153	A635A06	112TW1-10	Switch	1	....		139-680L2
154	3G2350A02032		Audio connector assy	6	....		139-680L2
155	A524A2A-A		Identification label	1	....		139-680L2
156	A593A-A02		Terminal board	1	....		139-680L2
157	A593A-H02		Terminal board	1	....		139-680L2
158	AW001CL001-N6		Support	1	....		139-680L2
159	ED300J2135		Decal	1	....		139-680L2
160	ED300J2137		Decal	1	....		139-680L2
161	ED300J2139		Decal	1	....		139-680L2
162	ED300J2141		Decal	1	....		139-680L2
163	ED300J2143		Decal	1	....		139-680L2
164	ED300J2145		Decal	1	....		139-680L2
165	ED300J2147		Decal	1	....		139-680L2
166	ED300J2149		Decal	1	....		139-680L2
167	ED300TB295		Decal	1	....		139-680L2
168	M85049/95-12A-A		Flange	2	....		139-680L2
169	MS24693-S5		Screw	8	....		139-680L2
170	NAS1149DN816J		Washer	2	....		139-680L2
171	NAS1802-08-7		Screw	2	....		139-680L2
<b>172</b>	<b>3G2350A07412</b>		<b>ICS PAX INTERFACE ELECTRICAL</b>	<b>REF</b>	<b>...</b>		<b>-</b>
<b>173</b>	<b>3G9A01A41401</b>	<b>3G2350A07412A1R</b>	<b>ICS PAX I/FACE C/A (A1A414)</b>	<b>REF</b>	<b>....</b>	<b>(8)</b>	<b>139-680L2</b>
174	A556A-T22		Electrical wire	5.0 m	....		-
175	M39029/56-351		Electrical contact	2	....		-
<b>176</b>	<b>3G9A02A36001</b>	<b>3G2350A07412A1R</b>	<b>ICS PAX I/FACE C/A (A2A360)</b>	<b>REF</b>	<b>....</b>	<b>(8)</b>	<b>139-680L2</b>
177	A556A-T22		Electrical wire	25.0 m	....		-
178	A561A-T2-22		Electrical wire	25.0 m	....		-
179	M23053/8-004-C		Insulation sleeving	50.0 m	....		-
180	M39029/56-348		Electrical contact	14	....		-
181	M39029/56-351		Electrical contact	1	....		-
182	M39029/57-354		Electrical contact	2	....		-
183	M39029/58-360		Electrical contact	20	....		-



#	P/N	ALTERNATIVE P/N	DESCRIPTION	Q.TY	LVL	NOTE	LOG P/N
184	A583A2610W	MS25274-2	Stowage cap	3	.....		-
<b>185</b>	<b>3G9A02B38201</b>	<b>3G9A02B38201A1R</b>	<b>ICS PAX I/FACE C/A (A2B382)</b>	<b>REF</b>	<b>....</b>	<b>(9)</b>	<b>139-680L2</b>
186	A556A-T22		Electrical wire	50.0 m	.....		-
187	A561A-T2-22		Electrical wire	50.0 m	.....		-
188	A561A-T2-24		Electrical wire	5.0 m	.....		-
189	M23053/8-004-C		Insulation sleeving	80.0 m	.....		-
190	M39029/56-348		Electrical contact	14	.....		-
191	M39029/57-354		Electrical contact	11	.....		-
192	M39029/58-360		Electrical contact	31	.....		-
193	M81824/1-1		Splice	3	.....		-
194	A583A2610W	MS25274-2	Stowage cap	3	.....		-
<b>195</b>	<b>3G9B02A41201</b>	<b>3G9B02A41201A1R</b>	<b>ICS INTERFACE C/A (B2A412)</b>	<b>REF</b>	<b>....</b>	<b>(10)</b>	<b>139-680L2</b>
196	A556A-T22		Electrical wire	60.0 m	.....		-
197	A561A-T2-22		Electrical wire	80.0 m	.....		-
198	M23053/8-004-C		Insulation sleeving	140.0 m	.....		-
199	M39029/56-348		Electrical contact	17	.....		-
200	M39029/56-351		Electrical contact	53	.....		-
<b>201</b>	<b>3G9B02A55301</b>	<b>3G9B02A55301A2R</b>	<b>ICS INTERFACE C/A (B2A553)</b>	<b>REF</b>	<b>....</b>	<b>(11)</b>	<b>139-680L2</b>
202	A523A-A02		Electrical contact	2	.....		-
203	A529A400-2502C		Backshell	2	.....		-
204	A556A-T22		Electrical wire	40.0 m	.....		-
205	A561A-T2-22		Electrical wire	60.0 m	.....		-
206	AW001YD03	A597A03	Diode assembly	1	.....		-
207	D38999/26JJ35SN		Electrical Connector	2	.....		-
208	M23053/8-004-C		Insulation sleeving	100.0 m	.....		-
209	M39029/56-348		Electrical contact	47	.....		-
210	M39029/58-363		Electrical contact	37	.....		-
<b>211</b>	<b>3G9B02B34801</b>	<b>3G9B02B34801A1R</b>	<b>ICS INTERFACE C/A (B2B348)</b>	<b>REF</b>	<b>....</b>	<b>(12)</b>	<b>139-680L2</b>
212	A556A-T22		Electrical wire	10.0 m	.....		-
213	A561A-T2-22		Electrical wire	15.0 m	.....		-
214	M23053/8-004-C		Insulation sleeving	25.0 m	.....		-
215	M39029/56-348		Electrical contact	13	.....		-
216	M39029/58-363		Electrical contact	13	.....		-
<b>217</b>	<b>3G9B02B39901</b>	<b>3G9B02B39901A1R</b>	<b>ICS INTERFACE C/A (B2B399)</b>	<b>REF</b>	<b>....</b>	<b>(13)</b>	<b>139-680L2</b>
218	A561A-T2-22		Electrical wire	15.0 m	.....		-
219	M23053/8-004-C		Insulation sleeving	15.0 m	.....		-
220	M39029/56-348		Electrical contact	2	.....		-
221	M39029/56-351		Electrical contact	2	.....		-
<b>222</b>	<b>3G2350A04411</b>		<b>ICS CABIN UTILITY EQUIPMENT</b>	<b>REF</b>	<b>..</b>		<b>-</b>
223	A635A02	112TW1-3	Switch	2	...		139-680L2
224	3G2350I00331		ICS control panel	2	...		139-680L2
225	ED300ICS		Decal	2	...		139-680L2
226	ED300PL60		Decal	1	...		139-680L2
227	ED300PL61		Decal	1	...		139-680L2
228	ED300RADIO		Decal	2	...		139-680L2
229	ED300S139		Decal	1	...		139-680L2
230	ED300S140		Decal	1	...		139-680L2
<b>231</b>	<b>3G2350P08711</b>		<b>ICS CUSTOMIZATION</b>	<b>REF</b>	<b>.</b>		<b>-</b>
<b>232</b>	<b>3G9B01A66105</b>		<b>ICS PAX FWD SOCKETS VARIANT (B1A661)</b>	<b>REF</b>	<b>..</b>		<b>-</b>

#	P/N	ALTERNATIVE P/N	DESCRIPTION	Q.TY	LVL	NOTE	LOG P/N
233	A556A-T22		Electrical wire	50 m	...		139-680L2
234	M39029/1-101		Electrical contact	3	...		139-680L2
235	M39029/5-115		Electrical contact	4	...		139-680L2
236	M39029/56-348		Electrical contact	2	...		139-680L2
237	M39029/63-368		Electrical contact	2	...		139-680L2
238	M81824/1-1		Splice	1	...		139-680L2
<b>239</b>	<b>3G9B01A66309</b>		<b>ICS PAX AFT CTL PNL VARIANT (B1A663)</b>	<b>REF</b>	..		-
240	A556A-T22		Electrical wire	10 m	...		139-680L2
241	M39029/1-101		Electrical contact	3	...		139-680L2
242	M39029/5-115		Electrical contact	4	...		139-680L2
243	M39029/56-348		Electrical contact	2	...		139-680L2
244	M39029/63-368		Electrical contact	2	...		139-680L2
245	M81824/1-1		Splice	1	...		139-680L2
<b>246</b>	<b>3G9B01A83305</b>		<b>ICS PAX AFT CTL PNL VARIANT (B1A833)</b>	<b>REF</b>	..		-
247	250-8501-010		Electrical jackscrew	2	...		139-680L2
248	A556A-T20		Electrical wire	5 m	...		139-680L2
249	A556A-T22		Electrical wire	35 m	...		139-680L2
250	D20420-12		Electrical connector retainer	2	...		139-680L2
251	DD121073-153		Electrical connector clamp	1	...		139-680L2
252	M24308/2-15F		Connector receptacle	1	...		139-680L2
253	M24308/2-5F		Connector D type 51 way receptacle	1	...		139-680L2
254	M39029/56-348		Electrical contact	3	...		139-680L2
255	M39029/56-351		Electrical contact	3	...		139-680L2
256	M39029/57-354		Electrical contact	5	...		139-680L2
257	M39029/58-364		Electrical contact	1	...		139-680L2
258	M39029/63-368		Electrical contact	2	...		139-680L2
259	M81824/1-1		Splice	2	...		139-680L2
260	M85049/48-2-5F		Backshell	1	...		139-680L2
<b>261</b>	<b>3G9B02A54905</b>		<b>ICS PAX FWD SOCKETS VARIANT (B2A549)</b>	<b>REF</b>	..		-
262	350690-3		Electrical contact	24	...		139-680L2
263	350781-1		Electrical connector	6	...		139-680L2
264	A523A-A02		Electrical contact	8	...		139-680L2
265	A532A300-1203C		Electrical backshell	2	...		139-680L2
266	A556A-T22		Electrical wire	50 m	...		139-680L2
267	A561A-T2-22		Electrical wire	300 m	...		139-680L2
268	A590A02		Ferrule	12	...		139-680L2
269	M23053/8-004-C		Insulation sleeving	100 m	...		139-680L2
270	M39029/5-115		Electrical contact	8	...		139-680L2
271	M39029/56-348		Electrical contact	18	...		139-680L2
272	M39029/57-354		Electrical contact	26	...		139-680L2
273	M81824/1-1		Splice	16	...		139-680L2
274	MS3470L12-10S		Electrical connector	2	...		139-680L2
<b>275</b>	<b>3G9B02A55109</b>		<b>ICS PAX AFT CTL PANEL VARIANT (B2A551)</b>	<b>REF</b>	..		-
276	350690-3		Electrical contact	24	...		139-680L2
277	350781-1		Electrical connector	6	...		139-680L2
278	A523A-A01		Electrical contact	27	...		139-680L2
279	A523A-A02		Electrical contact	8	...		139-680L2
280	A532A300-1203C		Backshell	2	...		139-680L2
281	A556A-T22		Electrical wire	60 m	...		139-680L2
282	A561A-T2-22		Electrical wire	80 m	...		139-680L2
283	A590A02		Ferrule	34	...		139-680L2
284	M23053/8-004-C		Insulation sleeving	80 m	...		139-680L2

#	P/N	ALTERNATIVE P/N	DESCRIPTION	Q.TY	LVL	NOTE	LOG P/N
285	M39029/5-115		Electrical contact	8	...		139-680L2
286	M39029/57-354		Electrical contact	26	...		139-680L2
287	M81824/1-1		Splice	16	...		139-680L2
288	MS25036-148		Terminal lug	1	...		139-680L2
289	MS3470L12-10S		Electrical connector	2	...		139-680L2
<b>290</b>	<b>3G9B02A70305</b>		<b>ICS PAX AFT CTL PANEL VARIANT (B2A703)</b>	<b>REF</b>	<b>..</b>		<b>-</b>
291	A523A-A01		Electrical contact	2	...		139-680L2
292	A523A-A02		Electrical contact	16	...		139-680L2
293	A556A-T22		Electrical wire	40 m	...		139-680L2
294	A561A-T2-22		Electrical wire	50 m	...		139-680L2
295	A590A02		Ferrule	4	...		139-680L2
296	AW001YD03	A597A03	Diode assembly	8	...		139-680L2
297	M23053/8-004-C		Insulation sleeving	50 m	...		139-680L2
298	M39029/56-348		Electrical contact	54	...		139-680L2
299	M39029/57-354		Electrical contact	16	...		139-680L2
300	M39029/63-368		Electrical contact	38	...		139-680L2
301	MS25036-148		Terminal lug	1	...		139-680L2
302	A366A3E08C75		Stud	1	..		139-680L2
303	A366A3E14C		Stud	3	..		139-680L2
304	A366A3E20C		Stud	1	..		139-680L2
305	A366A3E20C75		Stud	1	..		139-680L2
306	AW001CB02H		Clamp	1	..		139-680L2
307	AW001CB04H		Clamp	4	..		139-680L2
308	AW001CB09H		Clamp	1	..		139-680L2
309	AW001CB10H		Clamp	1	..		139-680L2
310	AW001CB17H		Clamp	4	..		139-680L2
311	AW001CL001-N6		Electrical cable support	11	..		139-680L2
312	AW001CL005C01-X1		Electrical cable support	1	..		139-680L2
313	MS21042L3		Nut	2	..		139-680L2
314	MS21043-3		Nut	5	..		139-680L2
315	MS9592-054		Bracket	1	..		139-680L2
316	NAS1149D0332J		Washer	8	..		139-680L2
317	NAS1802-3-20		Screw	1	..		139-680L2
318	NAS43DD3-20N		Spacer	3	..		139-680L2
319	NAS43DD3-40N		Spacer	2	..		139-680L2
320	3G2490LXXXXX		AUX CB integrally lighted panel	1	.	(14)	
321	MS3320-5		Circuit breaker CB209	1	.		139-680L2
322	MS3320-5		Circuit breaker CB210	1	.		139-680L2
323	ED300CB209		Decal	1	.		139-680L2
324	ED300CB210		Decal	1	.		139-680L2
325	A556A-T20		Cable assy	2.5 m	.		139-680L2
326	MS25036-149		Electrical contact	1	.		139-680L2
327	M39029/56-351		Electrical contact	1	.		139-680L2
328	A556A-T16		Cable assy	2.5 m	.		139-680L2
329	MS25036-153		Electrical contact	1	.		139-680L2
330	M39029/56-352		Electrical contact	1	.		139-680L2

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

## 2) CONSUMABLES

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

#	SPEC./LHD CODE NUMBER	DESCRIPTION	Q.TY	NOTE	PART
331	AW001CK03LC	Lacing cord	AR	(15)	IV
332	EN6049-006-25-5	Nomex	AR	(15)	IV
333	EN6049-006-05-5	Nomex	AR	(15)	IV
334	EN6049-006-08-5	Nomex	AR	(15)	IV
335	EN6049-006-32-5	Nomex	AR	(15)	IV
336	A305A25B1Y	Velcro tape	AR	(15)	IV
337	A305A25B2Y	Velcro tape	AR	(15)	IV
338	Code No. 900004396	Aluminum Sheet, AL-ALY 2024, AMS-QQ-A-250/4, thick 0,3mm	AR	(15)	II
339	199-05-002 Type II, Class 2	Adhesive EA934NA AERO (C397)	AR	(15)	II
340	Code No. 900005846	Fiberglass, 7781 type VIII B class 1	AR	(15)	II
341	199-50-002 Type 1	Resin ARALDIT LY5138-2	AR	(15)	II
342	199-05-002, Type I, Class 2, Code No. 900000581	Adhesive EA9309.3NA (C021)	AR	(15)	II
343	ECS6058-1022, Code No. 900005604	Conductive adhesive Eccobond 57C (C634)	AR	(15) (16)	II

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

## 3) 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
999-0500-85-137	1	(1)	I
3G2580P18231	1	(2)	
3G2580P06731	1	(2)	
3G2580A20831	1	(2)	
3G2580P04132	1	(2)	II
3G5306P49931	1	(2)	
MS27980-18N	2		
139-680L1	1		
3G2580A34732	1	(2)	
3G5315A42751	2	(2)	
3G5315A42752	3	(2)	
3G5315A42754	1	(2)	III
3G5315A42755	1	(2)	
3G5316A27351	2	(2)	
3G5316A27352	2	(2)	
139-680L2	1		IV
3G2490LXXXXX	1	(14)	

### NOTE

- (1) Item to be ordered only if Part II is not intended to be performed consequently to Part I.
- (2) This P/N depends on helicopter internal painting and may be supplied as a production P/N ending with suffix –CS01 or any combination of letters or numbers.

- (3) Item to be obtained from Aluminum sheet, refer to Consumables.
- (4) Item P/N 3G5315A42335 can be provided as alternative of item P/N 3G5315A42332.
- (5) Item P/N 3G5315A42536 can be provided as alternative of item P/N 3G5315A42531.
- (6) This item can be provided already assembled and in quantity 1. Quantity 1 of this item is part of Logistic P/N 139-680L2.
- (7) This item can be provided already assembled and in quantity 1 as part of P/N 3G2350A04512A1R. Quantity 1 of P/N 3G2350A04512A1R is necessary to complete the SB and it is part of Logistic P/N 139-680L2.
- (8) This item can be provided already assembled and in quantity 1 as part of P/N 3G2350A07412A1R. Quantity 1 of P/N 3G2350A07412A1R is necessary to complete the SB and it is part of Logistic P/N 139-680L2.
- (9) This item can be provided already assembled and in quantity 1 as part of P/N 3G9A02B38201A1R. Quantity 1 of P/N 3G9A02B38201A1R is necessary to complete the SB and it is part of Logistic P/N 139-680L2.
- (10) This item can be provided already assembled and in quantity 1 as part of P/N 3G9B02A41201A1R. Quantity 1 of P/N 3G9B02A41201A1R is necessary to complete the SB and it is part of Logistic P/N 139-680L2.
- (11) This item can be provided already assembled and in quantity 1 as part of P/N 3G9B02A55301A2R. Quantity 1 of P/N 3G9B02A55301A2R is necessary to complete the SB and it is part of Logistic P/N 139-680L2.
- (12) This item can be provided already assembled and in quantity 1 as part of P/N 3G9B02B34801A1R. Quantity 1 of P/N 3G9B02B34801A1R is necessary to complete the SB and it is part of Logistic P/N 139-680L2.
- (13) This item can be provided already assembled and in quantity 1 as part of P/N 3G9B02B39901A1R. Quantity 1 of P/N 3G9B02B39901A1R is necessary to complete the SB and it is part of Logistic P/N 139-680L2.
- (14) The P/N is not properly completed because it depends on the helicopter configuration. Customers must contact Product Support Engineering ([engineering.support.lhd@leonardo.com](mailto:engineering.support.lhd@leonardo.com)) to request the new auxiliary CB panel at least three months in advance from the scheduled application of this Service Bulletin.
- (15) Item to be procured as local supply.
- (16) As alternative to this item it is possible to use Raychem S1184 (C327).

## **B. SPECIAL TOOLS**

N.A.

## 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) Exposed thread surface and nut must be protected using a layer of tectyl according to MIL-C-16173 grade I.
- h) 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 thru 4, 8 and 9 remove all external panels, internal panels and internal liners as required to gain access to the area affected by the installation and perform the removal of the kit ICS cabin panel P/N 3G2350F00413 as described in the following procedure:
  - 2.1 With reference to Figure 1 View A, remove the decal P/N ED300PL38 located near the cabin audio panel PL38 from the cabin liner.

- 2.2 In accordance with AMP DM 39-A-23-53-01-00A-520A-K and with reference to Figure 1 View A, remove the cabin audio panel (PL38) P/N 7032691-902 from the cabin liner.
- 2.3 With reference to Figure 4, remove all clamps and relative hardware used for fixing cable assemblies where indicated.
- 2.4 With reference to Figures 2 thru 4 and Figures 66 and 67 Wiring Diagram, remove the following cable assemblies from the helicopter:
  - P/N 3G9A02A20221 ICS cabin panel C/A (A2A202);
  - P/N 3G9A02B20221 ICS cabin panel C/A (A2B202);
  - P/N 3G9B02A20421 ICS cabin panel C/A (B2A204).

**NOTE**

Make sure to NOT damage the surface of the structure.

- 2.5 With reference to Figure 4, remove all the standoffs and supports used for fixing cable assemblies where indicated. Remove the adhesive and the composite remaining material with a plastic scraper or a spatula.

**NOTE**

Perform the following step only if Part II of this Service Bulletin is not intended to be performed consequently to Part I.

- 2.6 With reference to Figure 1 View A, install the blanking plate P/N 999-0500-85-137 on the cabin liner.
3. In accordance with AMP DM 39-A-06-41-00-00A-010A-A and with reference to Figures 5 thru 7, 68 and 69 Wiring Diagram, remove all external panels, internal panels and internal liners as required to gain access to the area affected by the installation and perform the removal of the audio customization P/N 3G2350P01711 as described in the following procedure:
    - 3.1 With reference to Figure 7 View Looking Up Cabin Roof LH Side, remove the decal ED300A575 located near the digital ICS tie line adapter A575.
    - 3.2 With reference to Figure 7 View Looking Up Cabin Roof LH Side, disconnect all connectors and remove the digital ICS tie line adapter (A575) P/N AA38-601 and fixing hardware from the cabin roof.
    - 3.1 With reference to Figure 6 View Looking Down Cabin Roof LH Side, remove the decal P/N ED300HT96J1 located near the connector HT96J1.
    - 3.2 With reference to Figure 6 View Looking Down Cabin Roof LH Side, disconnect the connector HT96J1 (C/A B2A895) and remove the plate M85049/95-12A-A and the four fixing screws.



- 3.3 With reference to Figure 6 View Looking Down Cabin Roof LH Side, remove the decal P/N ED300HT97J1 located near the connector HT97J1.
- 3.4 With reference to Figure 6 View Looking Down Cabin Roof LH Side, disconnect the connector HT97J1 (C/A B2A895) and remove the plate M85049/95-12A-A and the four fixing screws.
- 3.5 With reference to Figure 6 View Looking Down Cabin Roof LH Side, remove the decal P/N ED300HT98J1 located near the connector HT98J1.
- 3.6 With reference to Figure 6 View Looking Down Cabin Roof LH Side, disconnect the connector HT98J1 (C/A B2A895) and remove the plate M85049/95-12A-A and the four fixing screws.
- 3.7 With reference to Figure 6 View Looking Down Cabin Roof LH Side, remove all clamps, brackets, spacers and relative hardware used for fixing cable assemblies where indicated.
- 3.8 With reference to Figures 5 thru 7 and Figures 68 and 69 Wiring Diagram, remove the following cable assemblies from the helicopter:
  - P/N 3G9B01B91101 audio customization Sino-US C/A (B1B911);
  - P/N 3G9B01L00601 audio customization Sino-US C/A (B1L6);
  - P/N 3G9B02A98501 audio customization Sino-US C/A (B2A985);
  - P/N 3G9B02B52801 audio customization Sino-US C/A (B2B528).

**NOTE**

Make sure to NOT damage the surface of the structure.

- 3.9 With reference to Figure 6 View Looking Down Cabin Roof LH Side, remove all the standoffs and supports used for fixing cable assemblies where indicated. Remove the adhesive and the composite remaining material with a plastic scraper or a spatula.
4. In accordance with AMP DM 39-A-06-41-00-00A-010A-A, re-install all external panels, internal panels and internal liners previously removed.
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 I of this Service Bulletin on the helicopter logbook.
7. Send the attached compliance form to the following mail box:

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

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

## **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 Figure 10, 15, 18 and 19, remove all external panels, internal panels and internal liners as required to gain access to the area affected by the installation and perform the liner variant P/N 3G2580P32311 as described in the following procedure:

### **NOTE**

Perform the following step 2.1 to allow HEELS light installation on the liner.

- 2.1 With reference to Figure 10, perform the window liner assy LH upper reworked P/N 3G2580P32131 as described in the following procedure:
  - 2.1.1 With reference to Figure 10, perform the indicated cutouts on the window liner assy LH upper reworked P/N 3G5306P49931.
  - 2.1.2 Remark the part as P/N 3G2580P32131.
- 2.2 With reference to Figure 19 View G-G and View J-J, remove the bubble window liner UPR RH P/N 3G2580P07631, the cover assy P/N 3G2580A19131 and the pendant closure P/N 3G5316A40851 and relevant hardware. Retain hardware for later reuse.
- 2.3 With reference to Figure 19 View G-G, remove the angular assy RH P/N 3G2580A20832 and relevant hardware. Retain hardware for later reuse.
- 2.4 With reference to Figure 19 View G-G, remove the RH louver P/N 3G2580A10252, the bubble window liner LWR RH P/N 3G2580P07831 and relevant hardware. Retain hardware for later reuse.
- 2.5 With reference to Figure 18 View H-H and View K-K, remove the window liner LH UPPER P/N 3G2580P07431 and relevant hardware. Retain hardware for later reuse.
- 2.6 With reference to Figure 18 View H-H, remove the angular assy LH P/N 3G2580A20732 and relevant hardware. Retain hardware for later reuse.
- 2.7 With reference to Figure 18 View H-H, remove the LH louver P/N 3G2580A10152, the bubble window liner LWR LH P/N 3G2580P07731 and relevant hardware. Retain hardware for later reuse.
- 2.8 With reference to Figure 19 View G-G, install the window liner UPR RH P/N 3G2580P04132 by means of existing fasteners. Re-install the cover assy P/N 3G2580A19131 and the pendant closure P/N 3G5316A40851 by means of

existing hardware.

- 2.9 With reference to Figure 19 View G-G and View J-J, install the window liner RH LWR P/N 3G2580P06731 and the angular assy RH P/N 3G2580A20831 by means of existing hardware and fastener snap P/N MS27980-18B. Re-install the louver RH P/N 3G2580A10252 by means of existing hardware.
- 2.10 With reference to Figure 18 View H-H, install the window liner UPR LH P/N 3G2580P32131 by means of existing fasteners.
- 2.11 With reference to Figure 18 View H-H and View K-K, install the window liner LH LWR P/N 3G2580P18231 by means of existing hardware fastener snap P/N MS27980-18B. Re-install the louver LH P/N 3G2580A10152 by means of existing hardware.
3. In accordance with AMP DM 39-A-06-41-00-00A-010A-A, re-install all external panels, internal panels and internal liners previously removed.
4. In accordance with weight and balance changes, update the Chart A (see Rotorcraft Flight Manual, Part II, section 6).
5. Return the helicopter to flight configuration and record for compliance with Part II of this Service Bulletin on the helicopter logbook.

Send the attached compliance form to the following mail box:

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

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

### **PART III**

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 8 thru 21, remove all external panels, internal panels and internal liners as required to gain access to the area affected by the installation and perform the liner variant P/N 3G2580P32311 as described in the following procedure:
  - 2.1 With reference to Figure 16 Section B-B, remove n°3 headphone jack sockets P/N 3G5315A82953 from the structure.
  - 2.2 With reference to Figure 16 Section B-B, remove the liner assy ceiling AFT reworked P/N 3G2580P06831 or equivalent.
  - 2.3 With reference to Figure 16 Section B-B, remove the liner assy ceiling FWD reworked P/N 3G2580P09411 or P/N 3G2506P09411 or equivalent.
  - 2.4 With reference to Figures 8 and 9, perform the liner assy ceiling AFT reworked P/N 3G2580P32031 as described in the following procedure:
    - 2.4.1 With reference to Figure 8, perform the indicated cut-outs on the liner assy ceiling AFT P/N 3G2580A34732.
    - 2.4.2 With reference to Figures 8 and 17, temporarily locate the headphone panel supports P/N 3G5315A42754 and P/N 3G5315A42755 and countermark n°8 holes positions on the liner.
    - 2.4.3 With reference to Figure 9 Section C-C, drill n°8 holes  $\varnothing 11.48 \div 11.61$  thru the liner.
    - 2.4.4 With reference to Figures 8 and 16, temporarily locate the headphone jack sockets P/N 3G5315A42751, P/N 3G5315A42752, P/N 3G5315A27351 and P/N 3G5315A27352 and countermark n°24 holes positions on the liner.
    - 2.4.5 With reference to Figure 8 Section B-B, drill n°24 holes  $\varnothing 11.48 \div 11.61$  thru the liner.
    - 2.4.6 With reference to Figure 8 Section B-B and Figure 9 Section C-C, install n°32 inserts P/N NAS1836-08-07 on the liner by means of adhesive EA 934NA AERO (C397).
    - 2.4.7 With reference to Figure 8 Schematic Section for cut-out, seal around the cutouts by means of adhesive EA 934NA AERO (C397). Apply 2 plies of fiberglass (C324) and resin LY5138-2.

- 2.4.8 With reference to Figure 8 Schematic Section C-C, seal around the cutouts by means of adhesive EA 934NA AERO (C397). Apply 2 plies of fiberglass (C324) and resin LY5138-2.
- 2.4.9 With reference to Figure 8, countermark the so obtained liner as P/N 3G2580P32031.
- 2.5 With reference to Figure 11, perform the window liner assy ceiling FWD reworked P/N 3G2580P32231 as described in the following procedure:
  - 2.5.1 With reference to Figure 11, perform the indicated cut-outs on the liner assy ceiling FWD P/N 3G2506P09411 or equivalent.
  - 2.5.2 With reference to Figure 11 and Figure 16, temporarily locate the headphone jack sockets P/N 3G5316A27351, P/N 3G5315A42752 and P/N 3G5316A27352, and countermark n°12 holes positions on the liner.
  - 2.5.3 With reference to Figure 11 Section B-B, drill n°12 holes  $\varnothing 11.48 \div 11.61$  thru the liner.
  - 2.5.4 With reference to Figure 11 Section B-B, install n°12 inserts P/N NAS1836-08-07 on the liner by means of adhesive EA 934NA AERO (C397).
  - 2.5.5 With reference to Figure 11 Schematic Section B-B and Detail A, seal around the cutouts by means of adhesive EA 934NA AERO (C397). Apply 2 plies of fiberglass (C324) and resin LY5138-2.
  - 2.5.6 With reference to Figure 11, countermark the so obtained liner as P/N 3G2580P32231.
- 2.6 With reference to Figure 16, install the liner P/N 3G2580P32031 on the structure.
- 2.7 With reference to Figure 16, install the liner P/N 3G2580P32231 on the structure.
- 2.8 With reference to Figures 12, 13 and 14, perform the structural provision for ICS 12/15 pax variant P/N 3G5311A66111 as described in the following procedure:
  - 2.8.1 With reference to Figures 12, 13, 16 and 24, temporarily locate the ICS control panel P/N 3G2350I00331, the supports P/N 3G5315A42754 and P/N 3G5315A42755, the supports P/N 3G5315A42332 and P/N 3G5315A42531, the bonding layer (Aluminum Sheet P/N AMS-QQ-A-250/4).
  - 2.8.2 With reference to Figure 14 and Figure 12, countermark n°5 holes on the bonding layer, on the cover assy and on the lower support and on the lower panel.
  - 2.8.3 With reference to Figure 13 Section B-B and Figure 14, drill n°1 hole  $\varnothing 5.16 \div 5.28$  and n°4 holes  $\varnothing 6.35 \div 6.48$  thru the bonding layer, the lower support, the cover assy and the lower panel.

- 2.8.4 With reference to Figure 14, shape Aluminum Sheet P/N AMS-QQ-A-250/4 as shown to obtain bonding layer P/N 3G5318A64951.
- 2.8.5 With reference to Figure 14 and in accordance with DM CSPP-A-20-10-12-00A-250A-D, prepare shown surfaces for good electrical bonding.
- 2.8.6 With reference to Figure 13 Section B-B, install n°4 nutplates P/N A407A3C2P by means of adhesive EA 934NA AERO (C397).
- 2.8.7 With reference to Figure 13 Detail C, perform the indicated cut-out thru the structure.
- 2.8.8 With reference to Figure 13 Schematic Section E-E, seal around the cut-out by means of adhesive EA 934NA AERO (C397). Apply 3 plies of fiberglass (C324) and resin LY5138-2.
- 2.8.9 With reference to Figure 13 Detail D and in accordance with DM CSPP-A-20-10-12-00A-250A-D, prepare shown surfaces for good electrical bonding.
- 2.8.10 With reference to Figure 13 Detail C, install the bonding layer P/N 3G5318A64951 on the cover by means of existing hardware and adhesive EA 9309.3NA AERO (C021).
- 2.9 With reference to Figures 16 Section B-B and Section E-E, drill n°36 holes Ø4.90÷5.00 thru the headphone jack sockets according with inserts' position.
- 2.10 With reference to Figure 16 Section B-B and Section E-E, install n°2 headphone jack sockets P/N 3G5316A27351, n°3 P/N 3G5315A42752, n°2 P/N 3G5316A27352, n° 2 P/N 3G5315A42751 by means of n°36 screws P/N MS35206-240 and n°36 washers P/N NAS1149BN816H.
- 2.11 With reference to Figures 17 Section B-B and 19 Detail L, temporarily locate the headphone panel support P/N 3G5315A42754, the supports P/N 3G5315A42332 and P/N 3G5315A42531 on the structure and countermark n°4 cut-outs according with dimensions shown.
- 2.12 With reference to Figure 19 Detail L, perform n°4 cut-outs thru the headphone panel support 3G5315A42754.
- 2.13 With reference to Figure 17 Section F-F and Detail M and in accordance with DM CSPP-A-20-10-12-00A-250A-D, prepare and protect indicated surfaces for electrical bonding.

**NOTE**

It is admitted to bond the n°4 washers P/N NAS1149D0332J on cover assy by means of conductive adhesive Eccobond 57C (C634) in order to ensure good bonding contact.

- 2.14 With reference to Figure 17 Section F-F and Detail M, install the supports P/N 3G5315A42332 and P/N 3G5315A42531 on the structure by means of n°4 screws P/N MS27039-1-11 and n°4 washers P/N NAS1149D0332K.
- 2.15 With reference to Figure 17 Section C-C and Section D-D, drill n°8 holes Ø4.90÷5.00 thru the headphone panel supports P/N 3G5315A42754 and P/N 3G5315A42755 according with inserts' positions.

**NOTE**

Perform the following step only if the Support assy P/N 3G5315A42531 and Support assy P/N 3G5315A42332 are installed.

- 2.16 With reference to Figure 17 Section C-C and Section D-D, install the headphone panel supports P/N 3G5315A42754 and P/N 3G5315A42755 by means of n°4 screws P/N MS35206-240, n°8 washers P/N NAS1149BN816H and n°4 screws P/N MS35206-241.

**NOTE**

Perform the steps 2.17 and 2.18 only if the Support assy P/N 3G5315A42335 and Support assy P/N 3G5315A42536 are installed.

- 2.17 With reference to Figure 17 Section C-C and Section D-D, install the headphone panel supports P/N 3G5315A42754 and P/N 3G5315A42755 by means of n°4 screws P/N MS35206-241, n°8 washers P/N NAS1149BN816H and n°4 screws P/N MS35206-242.
- 2.18 With reference to Figure 17 Section C-C and Section F-F, apply 2 plies of fiberglass C324 by means of resin LY5138-2 and adhesive EA 934NA AERO (C397).
- 2.19 With reference to Figure 18 Detail R, Figure 20 Detail S and Section T-T, temporarily locate the support P/N 3G5317A06631 on the left sidewall P/N 3G5335A00133, countermark and drill n°2 holes thru the sidewall.
- 2.20 With reference to Figure 20 Section T-T, install n°2 inserts P/N NAS1835-3 on the sidewall by means of adhesive EA 934NA AERO (C397).
- 2.21 With reference to Figures 18 Detail R and in accordance with DM CSPP-A-20-10-12-00A-250A-D, prepare and protect the surface between the



- support P/N 3G5317A06631 and structure for electrical bonding.
- 2.22 With reference to Figure 18 Detail R, install the support P/N 3G5317A06631 on the left sidewall P/N 3G5335A00133 by means of n°4 screws P/N MS27039-1-05.
  - 2.23 With reference to Figure 3 3G2580P32311 Detail N and Section P-P, temporarily locate the brackets P/N 3G5315A42931 on the left wall BL-800, countermark and drill n°8 rivet holes thru the wall.
  - 2.24 With reference to Figure 20 Detail N and Section P-P, install the two brackets P/N 3G5315A42931 on the left wall BL-800 by means of n°8 rivets P/N NAS9301BNS-4-02.
  - 2.25 With reference to Figure 21 Detail U and Section W-W, remove the indicated area on the sidewall panel.
  - 2.26 With reference to Figure 21 Detail U and Section V-V, temporarily locate the cover P/N 3G5310A22551 and the reinforcement P/N 3G5310A22951 on the sidewall panel, countermark and drill thru the sidewall n°12 rivet holes.
  - 2.27 With reference to Figure 21 Detail U and Section V-V, bond the cover P/N 3G5310A22551 on the reinforcement P/N 3G5310A22951 and the reinforcement on the sidewall by means of adhesive EA 934NA AERO (C397).
  - 2.28 With reference to Figure 21 Detail U and Section V-V, install the cover P/N 3G5310A22551 and the reinforcement P/N 3G5310A22951 on the sidewall by means of n°12 rivets P/N NAS9301BNS-4-02.
3. In accordance with AMP DM 39-A-06-41-00-00A-010A-A, re-install all external panels, internal panels and internal liners previously removed.
  4. In accordance with weight and balance changes, update the Chart A (see Rotorcraft Flight Manual, Part II, section 6).
  5. Return the helicopter to flight configuration and record for compliance with Part III of this Service Bulletin on the helicopter logbook.
  6. Send the attached compliance form to the following mail box:

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

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



## **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. In accordance with AMP DM 39-A-06-41-00-00A-010A-A and with reference to Figures 25 thru 33, remove all external panels, internal panels and internal liners as required to gain access to the area affected by the installation of the kit ICS cabin (12-15 PAX) rigid liners P/N 4G2350F00415 and perform the ICS cabin utility complete provision P/N 3G2350A04312 as described in the following procedure:
  - 2.1 With reference to Figures 18 thru 21 and 36 thru 40 perform the ICS Cabin FWD Control panel electrical provision P/N 3G2350A04512 as described in the following procedure:
    - 2.1.1 With reference to Figure 27 View B, install the anchor nut P/N AW001TL3A08 at location n°1 in accordance with the dimensions shown on the table.
    - 2.1.2 In accordance with DM 39-A-20-10-09-00A-920A-A and with reference to Figure 27 View B, install the stud P/N A366A3E32C at location n°2 in accordance with the dimensions shown on the table.
    - 2.1.3 With reference to Figure 27 View B, install the electrical cable support P/N AW001CL510B-N6 by means of adhesive CB200-40 (C356) at location n°3 in accordance with the dimensions shown on the table.
    - 2.1.4 In accordance with DM CSPP-A-20-10-04-03A-920A-D and with reference to Figure 27 View B, install the electrical cable support P/N AW001CL002C-X2 at location n°4 in accordance with the dimensions shown on the table.
    - 2.1.5 With reference to Figure 27 View B, install the electrical cable support P/N AW001CL008-CM by means of adhesive CB200-40 (C356) at location n°5 in accordance with the dimensions shown on the table.
    - 2.1.6 In accordance with DM 39-A-20-10-09-00A-920A-A and with reference to Figure 28 View C, install the stud P/N A366A3E18C at location n°1 in accordance with the dimensions shown on the table.
    - 2.1.7 In accordance with DM 39-A-20-10-09-00A-920A-A and with reference to Figure 28 View C, install the stud P/N A366A3E32C at location n°2 in accordance with the dimensions shown on the table.
    - 2.1.8 In accordance with DM 39-A-20-10-09-00A-920A-A and with reference to Figure 28 View C, install n°2 studs P/N A366A3E18C75 at locations n°3 and n°4 in accordance with the dimensions shown on the table.

- 2.1.9 With reference to Figure 28 View C, install the terminal module rail P/N A522A02A by means of n°2 screws P/N NAS1802-06-6 and n°2 washers P/N NAS1149DN616J.
- 2.1.10 In accordance with DM 39-A-11-00-01-00A-720A-A and with reference to Figure 28 View C, apply the decal P/N ED300TB2211 near the terminal module rail P/N A522A02A.
- 2.1.11 With reference to Figure 28 View C, install the terminal board P/N A593A-A02 on the terminal module rail P/N A522A02A. Apply the identification label P/N A524A1A-A near the terminal module rail P/N A522A02A.
- 2.1.12 With reference to Figure 43 Wiring Diagram, assemble and lay down on the existing routes the ICS PAX FWD control panel C/A (A1A478) P/N 3G9A01A47801 as described in the following procedure:
  - 2.1.12.1 With reference to Figure 43 Wiring Diagram, cut n°1 wire P/N A556A-T22 of adequate length and lay it down between connector TB129-3 and connector P127.
  - 2.1.12.2 In accordance with DM 39-A-20-10-08-00A-622A-A and with reference to Figure 43 Wiring Diagram, perform electrical connections of the wire to connector TB129-3 and connector P127.
  - 2.1.12.3 In accordance with DM 39-A-20-10-18-00A-691A-A and with reference to Figure 43 Wiring Diagram, mark wire as R7403A22-G.
  - 2.1.12.4 With reference to Figure 43 Wiring Diagram, cut n°1 wire P/N A556A-T22 of adequate length and lay it down between connector TB153 and connector P127.
  - 2.1.12.5 In accordance with DM 39-A-20-10-08-00A-622A-A and with reference to Figure 43 Wiring Diagram, perform electrical connections of the wire to connector TB153 and connector P127.
  - 2.1.12.6 In accordance with DM 39-A-20-10-18-00A-691A-A and with reference to Figure 43 Wiring Diagram, mark wire as R7404A22N-G.
  - 2.1.12.7 In accordance with DM 39-A-20-10-18-00A-691A-A, mark C/A as A1A478.
- 2.1.13 With reference to Figure 43 Wiring Diagram, assemble and lay down on the existing routes the ICS PAX FWD control panel C/A (B1A831) P/N 8G9B01A83101 as described in the following procedure:

- 2.1.13.1 With reference to Figure 43 Wiring Diagram, assemble the connector PL61P1 by means of the electrical connector P/N M24308/2-5, n°1 electrical connector clamp P/N DD121073-153 and n°2 electrical jackscrews P/N 250-8501-010.
- 2.1.13.2 With reference to Figure 43 Wiring Diagram, assemble the connector PL61P2 by means of the connector receptacle P/N M24308/2-15, n°1 electrical connector clamp P/N DD121073-153 and by n°2 electrical jackscrews P/N 250-8501-010.
- 2.1.13.3 With reference to Figure 43 Wiring Diagram, cut n°2 wires P/N A556A-T22 of adequate length and lay them down between connector J127 and connector PL61P1.
- 2.1.13.4 In accordance with DM 39-A-20-10-08-00A-622A-A and with reference to Figure 43 Wiring Diagram, perform electrical connections of the wires to connector J127 and connector PL61P1.
- 2.1.13.5 In accordance with DM 39-A-20-10-18-00A-691A-A and with reference to Figure 43 Wiring Diagram, mark wires as R7403B22-G and R7404A22-G.
- 2.1.13.6 With reference to Figure 43 Wiring Diagram, cut n°1 wire P/N A556A-T22 of adequate length and lay it down between connector PL61P2 and connector TB297P1.
- 2.1.13.7 In accordance with DM 39-A-20-10-08-00A-622A-A and with reference to Figure 43 Wiring Diagram, perform electrical connections of the wire to connector PL61P2 and connector TB297P1.
- 2.1.13.8 In accordance with DM 39-A-20-10-18-00A-691A-A and with reference to Figure 43 Wiring Diagram, mark wire as R7402A22-G.
- 2.1.13.9 With reference to Figure 43 Wiring Diagram, cut n°2 wires P/N A556A-T22 of adequate length and lay them down between connector PL61P2 and splice P/N M81824/1-1 (SP20471).
- 2.1.13.10 In accordance with DM 39-A-20-10-08-00A-622A-A and with reference to Figure 43 Wiring Diagram, perform electrical connections of the wires to connector PL61P2 and splice SP20471.

- 2.1.13.11 In accordance with DM 39-A-20-10-18-00A-691A-A and with reference to Figure 43 Wiring Diagram, mark wires as R7400B22-G and R7400C22-G.
- 2.1.13.12 With reference to Figure 43 Wiring Diagram, cut n°1 wire P/N A556A-T20 of adequate length and lay it down between splice P/N M81824/1-1 (SP20471) and connector PL1P3.
- 2.1.13.13 In accordance with DM 39-A-20-10-08-00A-622A-A and with reference to Figure 43 Wiring Diagram, perform electrical connections of the wire to connector PL1P3 and splice SP20471.
- 2.1.13.14 In accordance with DM 39-A-20-10-18-00A-691A-A and with reference to Figure 43 Wiring Diagram, mark wire as R7400A20-G.
- 2.1.13.15 With reference to Figure 43 Wiring Diagram, cut n°2 wires P/N A556A-T22 of adequate length and lay them down between connector PL61P2 and splice P/N M81824/1-1 (SP20466).
- 2.1.13.16 In accordance with DM 39-A-20-10-08-00A-622A-A and with reference to Figure 43 Wiring Diagram, perform electrical connections of the wires to connector PL61P2 and splice SP20466.
- 2.1.13.17 In accordance with DM 39-A-20-10-18-00A-691A-A and with reference to Figure 43 Wiring Diagram, mark wires as R7401A22-G and R7401B22-G.
- 2.1.13.18 With reference to Figure 43 Wiring Diagram, cut n°1 wire P/N A556A-T22 of adequate length and lay it down between splice SP20466 and connector TB297P1.
- 2.1.13.19 In accordance with DM 39-A-20-10-08-00A-622A-A and with reference to Figure 43 Wiring Diagram, perform electrical connections of the wire to splice SP20466 and the connector TB297P1.
- 2.1.13.20 In accordance with DM 39-A-20-10-18-00A-691A-A and with reference to Figure 43 Wiring Diagram, mark wire as R7401C22-G.
- 2.1.13.21 With reference to Figure 43 Wiring Diagram, cut n°1 wire P/N A556A-T22 of adequate length and lay it down between connector TB209P1 and connector TB297P1.
- 2.1.13.22 In accordance with DM 39-A-20-10-08-00A-622A-A and with reference to Figure 43 Wiring Diagram, perform electrical

- connections of the wire to connector TB209P1 and connector TB297P1.
- 2.1.13.23 In accordance with DM 39-A-20-10-18-00A-691A-A and with reference to Figure 43 Wiring Diagram, mark wire as R7401D22N-G.
- 2.1.13.24 In accordance with DM 39-A-20-10-18-00A-691A-A, mark C/A as B1A831.
- 2.1.14 With reference to Figures 44 thru 47, assemble and lay down on the existing routes the ICS PAX FWD control panel C/A (B2A701) P/N 3G9B02A70101 as described in the following procedure:
- 2.1.14.1 With reference to Figure 44 Wiring Diagram, cut n°1 wire P/N A561A-T2-22 of adequate length and lay it down between connector PL61P1 and junction module TB2211-1.
- 2.1.14.2 In accordance with DM 39-A-20-10-08-00A-622A-A and with reference to Figure 44 Wiring Diagram, perform electrical connections of the wire to connector PL61P1 and junction module TB2211-1.
- 2.1.14.3 In accordance with DM 39-A-20-10-18-00A-691A-A and with reference to Figure 44 Wiring Diagram, mark wire as R7405A22-S (WH and BL).
- 2.1.14.4 With reference to Figure 44 Wiring Diagram, cut n°5 wires P/N A561A-T2-22 of adequate length and lay them down between connector PL61P1 and connector TB299P1.
- 2.1.14.5 In accordance with DM 39-A-20-10-08-00A-622A-A and with reference to Figure 44 Wiring Diagram, perform electrical connections of the wires to connector PL61P1 and connector TB299P1.
- 2.1.14.6 In accordance with DM 39-A-20-10-18-00A-691A-A and with reference to Figure 44 Wiring Diagram, mark wires as R7406A22-S (WH and BL), R7407A22-S (WH and BL), R7408A22-S (WH and BL), R7409A22-S (WH and BL) and R7410A22-S (WH and BL).
- 2.1.14.7 With reference to Figure 44 Wiring Diagram, cut n°2 wires P/N A556A-T22 of adequate length and lay them down between connector PL61P2 and connector TB299P1.
- 2.1.14.8 In accordance with DM 39-A-20-10-08-00A-622A-A and with reference to Figure 44 Wiring Diagram, perform electrical

- connections of the wires to connector PL61P2 and connector TB299P1.
- 2.1.14.9 In accordance with DM 39-A-20-10-18-00A-691A-A and with reference to Figure 44 Wiring Diagram, mark wires as R7411A22-S and R7412A22-S.
- 2.1.14.10 With reference to Figure 45 Wiring Diagram, cut n°7 wires P/N A561A-T2-22 of adequate length and lay them down between connector PL61P1 and connector TB299P1.
- 2.1.14.11 In accordance with DM 39-A-20-10-08-00A-622A-A and with reference to Figure 45 Wiring Diagram, perform electrical connections of the wires to connector PL61P1 and connector TB299P1.
- 2.1.14.12 In accordance with DM 39-A-20-10-18-00A-691A-A and with reference to Figure 45 Wiring Diagram, mark wires as R7413A22-S (WH and BL), R7414A22-S (WH and BL), R7415A22-S (WH and BL), R7416A22-S (WH and BL), R7417A22-S (WH and BL), R7418A22-S (WH and BL) and R74109A22-S (WH and BL).
- 2.1.14.13 With reference to Figure 46 Wiring Diagram, cut n°4 wires P/N A561A-T2-22 of adequate length and lay them down between connector PL61P2 and connector TB297P1.
- 2.1.14.14 In accordance with DM 39-A-20-10-08-00A-622A-A and with reference to Figure 46 Wiring Diagram, perform electrical connections of the wires to connector PL61P2 and connector TB297P1.
- 2.1.14.15 In accordance with DM 39-A-20-10-18-00A-691A-A and with reference to Figure 46 Wiring Diagram, mark wires as R7420A22-S (WH and BL), R7421A22-S (WH and BL), R7422A22-S (WH and BL) and R7425A22-S (WH and BL).
- 2.1.14.16 With reference to Figure 46 Wiring Diagram, cut n°1 wire P/N A561A-T2-22 of adequate length and lay it down between connector PL61P2 and connector PL61P2.
- 2.1.14.17 In accordance with DM 39-A-20-10-08-00A-622A-A and with reference to Figure 46 Wiring Diagram, perform electrical connections of the wire to connector PL61P2 and connector PL61P2 by means of n°1 terminal lug P/N MS25036-148.

- 2.1.14.18 In accordance with DM 39-A-20-10-18-00A-691A-A and with reference to Figure 46 Wiring Diagram, mark wire as R7428A22N-S.
- 2.1.14.19 With reference to Figure 46 Wiring Diagram, cut n°5 wires P/N A556A-T22 of adequate length and lay them down between connector PL61P2 and connector TB297P1.
- 2.1.14.20 In accordance with DM 39-A-20-10-08-00A-622A-A and with reference to Figure 46 Wiring Diagram, perform electrical connections of the wires to connector PL61P2 and connector TB297P1.
- 2.1.14.21 In accordance with DM 39-A-20-10-18-00A-691A-A and with reference to Figure 46 Wiring Diagram, mark wires as R7429A22-S, as R7430A22-S, as R7431A22-S, as R7432A22-S and as R7435A22-S.
- 2.1.14.22 With reference to Figure 46 Wiring Diagram, cut n°1 wire P/N A556A-T22 of adequate length and lay it down between connector PL61P2 and diode assembly P/N AW001YD03 (CR2035).
- 2.1.14.23 In accordance with DM 39-A-20-10-08-00A-622A-A and with reference to Figure 46 Wiring Diagram, perform electrical connections of the wire to connector PL61P2 and diode assembly CR2035.
- 2.1.14.24 In accordance with DM 39-A-20-10-18-00A-691A-A and with reference to Figure 46 Wiring Diagram, mark wire as R7434A22-S.
- 2.1.14.25 With reference to Figure 46 Wiring Diagram, cut n°1 wire P/N A556A-T22 of adequate length and lay it down between diode assembly CR2035 and connector TB297P1.
- 2.1.14.26 In accordance with DM 39-A-20-10-08-00A-622A-A and with reference to Figure 46 Wiring Diagram, perform electrical connections of the wire to diode assembly CR2035 and connector TB297P1.
- 2.1.14.27 In accordance with DM 39-A-20-10-18-00A-691A-A and with reference to Figure 46 Wiring Diagram, mark wire as R7433A22-S.



- 2.1.14.28 With reference to Figure 46 Wiring Diagram, cut n°1 wire P/N A556A-T22 of adequate length and lay it down between connector TB297P1 and splice P/N M81824/1-1 (SP20468).
- 2.1.14.29 In accordance with DM 39-A-20-10-08-00A-622A-A and with reference to Figure 46 Wiring Diagram, perform electrical connections of the wire to connector TB297P1 and splice SP20468.
- 2.1.14.30 In accordance with DM 39-A-20-10-18-00A-691A-A and with reference to Figure 46 Wiring Diagram, mark wire as R7423A22-S.
- 2.1.14.31 With reference to Figure 46 Wiring Diagram, lay resistor P/N RLR07C1500GR (R273) down between splice SP20468 and splice SP20467.
- 2.1.14.32 In accordance with DM 39-A-20-10-08-00A-622A-A and with reference to Figure 46 Wiring Diagram, perform electrical connections of the resistor R273 to splice SP20468 and splice SP20467.
- 2.1.14.33 With reference to Figure 46 Wiring Diagram, cut n°1 wire P/N A556A-T22 of adequate length and lay it down between splice P/N M81824/1-1 (SP20467) and connector TB297P1.
- 2.1.14.34 In accordance with DM 39-A-20-10-08-00A-622A-A and with reference to Figure 46 Wiring Diagram, perform electrical connections of the wire to splice SP20467 and connector TB297P1.
- 2.1.14.35 In accordance with DM 39-A-20-10-18-00A-691A-A and with reference to Figure 46 Wiring Diagram, mark wire as R7424A22-S.
- 2.1.14.36 With reference to Figure 46 Wiring Diagram, cut n°1 wire P/N A556A-T22 of adequate length and lay it down between connector TB297P1 and splice P/N M81824/1-1 (SP20470).
- 2.1.14.37 In accordance with DM 39-A-20-10-08-00A-622A-A and with reference to Figure 46 Wiring Diagram, perform electrical connections of the wire to connector TB297P1 and splice SP20470.
- 2.1.14.38 In accordance with DM 39-A-20-10-18-00A-691A-A and with reference to Figure 46 Wiring Diagram, mark wire as R7426A22-S.



- 2.1.14.39 With reference to Figure 46 Wiring Diagram, lay resistor P/N RLR07C1500GR (R275) down between splice SP20470 and splice SP20469.
- 2.1.14.40 In accordance with DM 39-A-20-10-08-00A-622A-A and with reference to Figure 46 Wiring Diagram, perform electrical connections of the resistor R275 to splice SP20470 and splice SP20469.
- 2.1.14.41 With reference to Figure 46 Wiring Diagram, cut n°1 wire P/N A556A-T22 of adequate length and lay it down between splice P/N M81824/1-1 (SP20469) and connector TB297P1.
- 2.1.14.42 In accordance with DM 39-A-20-10-08-00A-622A-A and with reference to Figure 46 Wiring Diagram, perform electrical connections of the wire to splice SP20469 and connector TB297P1.
- 2.1.14.43 In accordance with DM 39-A-20-10-18-00A-691A-A and with reference to Figure 46 Wiring Diagram, mark wire as R7427A22-S.
- 2.1.14.44 With reference to Figure 47 Wiring Diagram, cut n°3 wires P/N A561A-T2-22 of adequate length and lay them down between connector PL61P1 and connector TB297P1.
- 2.1.14.45 In accordance with DM 39-A-20-10-08-00A-622A-A and with reference to Figure 47 Wiring Diagram, perform electrical connections of the wires to connector PL61P1 and connector TB297P1.
- 2.1.14.46 In accordance with DM 39-A-20-10-18-00A-691A-A and with reference to Figure 47 Wiring Diagram, mark wires as R7436A22-S (WH and BL), R7437A22-S (WH and BL) and R7444A22-S (WH and BL).
- 2.1.14.47 With reference to Figure 47 Wiring Diagram, cut n°1 wire P/N A561A-T22 of adequate length and lay it down between connector PL61P1 and diode assembly P/N AW001YD03 (CR1117).
- 2.1.14.48 In accordance with DM 39-A-20-10-08-00A-622A-A and with reference to Figure 47 Wiring Diagram, perform electrical connections of the wire to connector PL61P1 and diode assembly CR1117.

- 2.1.14.49 In accordance with DM 39-A-20-10-18-00A-691A-A and with reference to Figure 47 Wiring Diagram, mark wire as R7438B22-S.
- 2.1.14.50 With reference to Figure 47 Wiring Diagram, cut n°1 wire P/N A561A-T22 of adequate length and lay it down between diode assembly CR1117 and connector TB297P1.
- 2.1.14.51 In accordance with DM 39-A-20-10-08-00A-622A-A and with reference to Figure 47 Wiring Diagram, perform electrical connections of the wire to diode assembly CR1117 and connector TB297P1.
- 2.1.14.52 In accordance with DM 39-A-20-10-18-00A-691A-A and with reference to Figure 47 Wiring Diagram, mark wire as R7438A22-S.
- 2.1.14.53 With reference to Figure 47 Wiring Diagram, cut n°1 wire P/N A561A-T22 of adequate length and lay it down between connector PL61P1 and diode assembly P/N AW001YD03 (CR1118).
- 2.1.14.54 In accordance with DM 39-A-20-10-08-00A-622A-A and with reference to Figure 47 Wiring Diagram, perform electrical connections of the wire to connector PL61P1 and diode assembly CR1118.
- 2.1.14.55 In accordance with DM 39-A-20-10-18-00A-691A-A and with reference to Figure 47 Wiring Diagram, mark wire as R7439B22-S.
- 2.1.14.56 With reference to Figure 47 Wiring Diagram, cut n°1 wire P/N A561A-T22 of adequate length and lay it down between diode assembly CR1118 and connector TB297P1.
- 2.1.14.57 In accordance with DM 39-A-20-10-08-00A-622A-A and with reference to Figure 47 Wiring Diagram, perform electrical connections of the wire to diode assembly CR1118 and connector TB297P1.
- 2.1.14.58 In accordance with DM 39-A-20-10-18-00A-691A-A and with reference to Figure 47 Wiring Diagram, mark wire as R7439A22-S.
- 2.1.14.59 With reference to Figure 47 Wiring Diagram, cut n°1 wire P/N A561A-T22 of adequate length and lay it down between

- connector PL61P1 and diode assembly P/N AW001YD03 (CR1119).
- 2.1.14.60 In accordance with DM 39-A-20-10-08-00A-622A-A and with reference to Figure 47 Wiring Diagram, perform electrical connections of the wire to connector PL61P1 and diode assembly CR1119.
- 2.1.14.61 In accordance with DM 39-A-20-10-18-00A-691A-A and with reference to Figure 47 Wiring Diagram, mark wire as R7440B22-S.
- 2.1.14.62 With reference to Figure 47 Wiring Diagram, cut n°1 wire P/N A561A-T22 of adequate length and lay it down between diode assembly CR1119 and connector TB297P1.
- 2.1.14.63 In accordance with DM 39-A-20-10-08-00A-622A-A and with reference to Figure 47 Wiring Diagram, perform electrical connections of the wire to diode assembly CR1119 and connector TB297P1.
- 2.1.14.64 In accordance with DM 39-A-20-10-18-00A-691A-A and with reference to Figure 47 Wiring Diagram, mark wire as R7440A22-S.
- 2.1.14.65 With reference to Figure 47 Wiring Diagram, cut n°1 wire P/N A561A-T22 of adequate length and lay it down between connector PL61P1 and diode assembly P/N AW001YD03 (CR1120).
- 2.1.14.66 In accordance with DM 39-A-20-10-08-00A-622A-A and with reference to Figure 47 Wiring Diagram, perform electrical connections of the wire to connector PL61P1 and diode assembly CR1120.
- 2.1.14.67 In accordance with DM 39-A-20-10-18-00A-691A-A and with reference to Figure 47 Wiring Diagram, mark wire as R7441B22-S.
- 2.1.14.68 With reference to Figure 47 Wiring Diagram, cut n°1 wire P/N A561A-T22 of adequate length and lay it down between diode assembly CR1120 and connector TB297P1.
- 2.1.14.69 In accordance with DM 39-A-20-10-08-00A-622A-A and with reference to Figure 47 Wiring Diagram, perform electrical connections of the wire to diode assembly CR1120 and connector TB297P1.

- 2.1.14.70 In accordance with DM 39-A-20-10-18-00A-691A-A and with reference to Figure 47 Wiring Diagram, mark wire as R7441A22-S.
- 2.1.14.71 With reference to Figure 47 Wiring Diagram, cut n°1 wire P/N A561A-T22 of adequate length and lay it down between connector PL61P1 and diode assembly P/N AW001YD03 (CR1121).
- 2.1.14.72 In accordance with DM 39-A-20-10-08-00A-622A-A and with reference to Figure 47 Wiring Diagram, perform electrical connections of the wire to connector PL61P1 and diode assembly CR1121.
- 2.1.14.73 In accordance with DM 39-A-20-10-18-00A-691A-A and with reference to Figure 47 Wiring Diagram, mark wire as R7442B22-S.
- 2.1.14.74 With reference to Figure 47 Wiring Diagram, cut n°1 wire P/N A561A-T22 of adequate length and lay it down between diode assembly CR1121 and connector TB297P1.
- 2.1.14.75 In accordance with DM 39-A-20-10-08-00A-622A-A and with reference to Figure 47 Wiring Diagram, perform electrical connections of the wire to diode assembly CR1121 and connector TB297P1.
- 2.1.14.76 In accordance with DM 39-A-20-10-18-00A-691A-A and with reference to Figure 47 Wiring Diagram, mark wire as R7442A22-S.
- 2.1.14.77 With reference to Figure 47 Wiring Diagram, cut n°1 wire P/N A561A-T22 of adequate length and lay it down between connector PL61P1 and diode assembly P/N AW001YD03 (CR1122).
- 2.1.14.78 In accordance with DM 39-A-20-10-08-00A-622A-A and with reference to Figure 47 Wiring Diagram, perform electrical connections of the wire to connector PL61P1 and diode assembly CR1122.
- 2.1.14.79 In accordance with DM 39-A-20-10-18-00A-691A-A and with reference to Figure 47 Wiring Diagram, mark wire as R7443B22-S.

- 2.1.14.80 With reference to Figure 47 Wiring Diagram, cut n°1 wire P/N A561A-T22 of adequate length and lay it down between diode assembly CR1122 and connector TB297P1.
- 2.1.14.81 In accordance with DM 39-A-20-10-08-00A-622A-A and with reference to Figure 47 Wiring Diagram, perform electrical connections of the wire to diode assembly CR1122 and connector TB297P1.
- 2.1.14.82 In accordance with DM 39-A-20-10-18-00A-691A-A and with reference to Figure 47 Wiring Diagram, mark wire as R7443A22-S.
- 2.1.14.83 With reference to Figure 46 Wiring Diagram, install n°4 ferrules P/N A590A02.
- 2.1.14.84 In accordance with DM 39-A-20-10-18-00A-691A-A, mark C/A as B2A701.
- 2.1.15 With reference to Figures 25 thru 28, secure the cable assemblies laid down at the previous step by means of the existing hardware and lacing cords.
- 2.1.16 With reference to Figure 27 View B, install the clamp P/N AW001CB04H on the C/A B1A831 and the clamp P/N AW001CB16H on the C/A B2A701 by means of n°1 screw P/N NAS1802-3-14, n°1 washer P/N NAS1149D0332J and n°1 spacer P/N NAS43DD3-15N.
- 2.1.17 With reference to Figure 27 View B, install the clamp P/N AW001CB04H on the C/A B1A831 and the clamp P/N AW001CB16H on the C/A B2A701 by means of n°1 nut P/N MS21043L3, n°1 washer P/N NAS1149D0332J and n°1 spacer P/N NAS43DD3-65N.
- 2.1.18 With reference to Figure 27 View B, install the clamp P/N AW001CB16H on the C/A B2A701 by means of n°1 screw P/N NAS1802-3-9 (replacing the existing screw) and existing washer.
- 2.1.19 With reference to Figure 27 View B, install the clamp P/N AW001CB04H on the C/A B1A831 and the clamp P/N AW001CB16H on the C/A B2A701 by means of n°1 screw P/N NAS1190E3P32AK, n°1 spacer P/N NAS43DD3-90N and existing washer.
- 2.1.20 With reference to Figure 27 View B, install n°5 clamps P/N AW001CB04H on the C/A B1A831 and n°5 clamps P/N AW001CB16H on the C/A B2A701 by means of n°5 screws P/N NAS1190E3P30AK, n°5 spacers P/N NAS43DD3-85N and existing washers.

- 2.1.21 With reference to Figure 28 View C, install clamp P/N AW001CB03H on the C/A B2A701 by means of n°1 nut P/N MS21043L3, n°1 washer P/N NAS1149D0332J and n°1 spacer P/N NAS43DD3-20N.
- 2.1.22 With reference to Figure 28 View C, install clamp P/N AW001CB09H on the C/A B2A701 by means of n°1 nut P/N MS21043L3, n°1 washer P/N NAS1149D0332J and n°1 spacer P/N NAS43DD3-98N.
- 2.2 With reference to Figure 33 and 48, perform the ICS Cabin utility AFT electrical control panel P/N 3G2350A04614 as described in the following procedure:
  - 2.2.1 With reference to Figure 33 View looking up cabin roof, install the electrical connector P/N A520A01WPN by means of n°4 screws P/N NAS1802-06-7, n°4 washers P/N NAS1149DN616J and n°1 flange P/N M85049/95-25A-A.
  - 2.2.2 In accordance with DM 39-A-11-00-01-00A-720A-A and with reference to Figure 33 View looking up cabin roof, apply the decal P/N ED300TB299 near the electrical connector installed in the previous step.
  - 2.2.3 With reference to Figure 33 View looking up cabin roof, install the electrical connector P/N A520A01WPN by means of n°4 screws P/N NAS1802-06-7, n°4 washers P/N NAS1149DN616J and n°1 flange P/N M85049/95-25A-A.
  - 2.2.4 In accordance with DM 39-A-11-00-01-00A-720A-A and with reference to Figure 33 View looking up cabin roof, apply the decal P/N ED300TB297 near the electrical connector installed in the previous step.
  - 2.2.5 With reference to Figure 48 Wiring Diagram, assemble and lay down on the existing routes the ICS PAX AFT control panel C/A (A1A479) P/N 3G9A01A47901 as described in the following procedure:
    - 2.2.5.1 With reference to Figure 48 Wiring Diagram, cut n°1 wire P/N A556A-T22 of adequate length and lay it down between connector TB129-3 and connector P127.
    - 2.2.5.2 In accordance with DM 39-A-20-10-08-00A-622A-A and with reference to Figure 48 Wiring Diagram, perform electrical connections of the wire to diode assembly TB129-3 and connector P127.
    - 2.2.5.3 In accordance with DM 39-A-20-10-18-00A-691A-A and with reference to Figure 48 Wiring Diagram, mark wire as R7463A22-G.

- 2.2.5.4 With reference to Figure 48 Wiring Diagram, cut n°1 wire P/N A556A-T22 of adequate length and lay it down between connector TB153 and connector P127.
- 2.2.5.5 In accordance with DM 39-A-20-10-08-00A-622A-A and with reference to Figure 48 Wiring Diagram, perform electrical connections of the wire to diode assembly TB153 and connector P127.
- 2.2.5.6 In accordance with DM 39-A-20-10-18-00A-691A-A and with reference to Figure 48 Wiring Diagram, mark wire as R7464B22N-G.
- 2.2.5.7 In accordance with DM 39-A-20-10-18-00A-691A-A, mark C/A as A1A479.
- 2.2.6 With reference to Figure 28 View C, install n°2 clamps P/N AW001CB19H on the C/A B2A703 by means of n°2 spacers P/N NAS43DD3-40N, n°2 nuts P/N MS21043-3 and n°2 washers P/N NAS1149D0332J.
- 2.2.7 With reference to Figure 33, perform electrical connections of the connector TB297P1 (C/A B2A553, C/A B1A833 and C/A B2A703) to the bracket assy P/N 3G5315A42931 previously installed.
- 2.2.8 With reference to Figure 33, perform electrical connections of the connector TB299P1 (C/A B2A553, C/A B2A703) to the bracket assy P/N 3G5315A42931 previously installed.
- 2.2.9 With reference to Figure 33, secure the cable assemblies laid down at the previous step by means of the existing hardware and lacing cords.
- 2.3 With reference to Figures 37 and 40 thru 42 perform the ICS cabin FWD socket electrical provision P/N 3G2350A04712 as described in the following procedure:
  - 2.3.1 In accordance with DM CSPP-A-20-10-04-03A-920A-D and with reference to Figure 35, install n° 1 support P/N AW001CL002C-X2 at location n°1 in accordance with the dimensions shown on the table.
  - 2.3.2 With reference to Figure 42, install n°42 support P/N AW001CL001-N6 by means of adhesive CB200-40 (C356) at locations n°1 thru n°42 in accordance with the dimensions shown on the table.
  - 2.3.3 In accordance with DM 39-A-11-00-01-00A-720A-A and with reference to Figure 40 Detail E, apply the decal P/N ED300J2213 near the connector J2213.
  - 2.3.4 With reference to Figure 40 Detail E, install n°1 audio connector assy P/N 3G2350A02032 on the connector P2213.



- 2.3.5 In accordance with DM 39-A-11-00-01-00A-720A-A and with reference to Figure 40 Detail E, apply decal P/N ED300J2133 near the audio connector assy P/N 3G2350A02032.
- 2.3.6 In accordance with DM 39-A-11-00-01-00A-720A-A and with reference to Figure 40 Detail E, apply the decal P/N ED300J2207 near the connector J2207.
- 2.3.7 With reference to Figure 40 Detail E, install n°1 audio connector assy P/N 3G2350A02032 on the connector J2207.
- 2.3.8 In accordance with DM 39-A-11-00-01-00A-720A-A and with reference to Figure 40 Detail E, apply decal P/N ED300J2127 near the audio connector assy P/N 3G2350A02127.
- 2.3.9 In accordance with DM 39-A-11-00-01-00A-720A-A and with reference to Figure 40 Detail F, apply the decal P/N ED300J2209 near the connector J2209.
- 2.3.10 With reference to Figure 40 Detail F, install n°1 audio connector assy P/N 3G2350A02032 on the connector J2209.
- 2.3.11 In accordance with DM 39-A-11-00-01-00A-720A-A and with reference to Figure 40 Detail F, apply decal P/N ED300J2129 near the audio connector assy P/N 3G2350A02032.
- 2.3.12 In accordance with DM 39-A-11-00-01-00A-720A-A and with reference to Figure 40 Detail F, apply the decal P/N ED300J2205 near the connector J2205.
- 2.3.13 With reference to Figure 40 Detail F, install n°1 audio connector assy P/N 3G2350A02032 on the connector J2205.
- 2.3.14 In accordance with DM 39-A-11-00-01-00A-720A-A and with reference to Figure 40 Detail F, apply decal P/N ED300J2125 near the audio connector assy P/N 3G2350A02032.
- 2.3.15 With reference to Figure 40 Detail F, install the Velcro tapes P/N A305A25B2Y40 and P/N A305A25B1Y60 on the C/A B2A549 in accordance with dimensions shown.
- 2.3.16 In accordance with DM 39-A-11-00-01-00A-720A-A and with reference to Figure 41 Detail G, apply the decal P/N ED300J2211 near the connector J2211.
- 2.3.17 With reference to Figure 41 Detail G, install n°1 audio connector assy P/N 3G2350A02032 on the connector J2211.



- 2.3.18 In accordance with DM 39-A-11-00-01-00A-720A-A and with reference to Figure 41 Detail G, apply decal P/N ED300J2131 near the audio connector assy P/N 3G2350A02032.
- 2.3.19 With reference to Figure 41 Detail G, install n°1 flange P/N M85049/95-12A-A on the C/A B1A661 and on the C/A B2A549 by means on n°4 screws P/N MS24693-S5.
- 2.3.20 In accordance with DM 39-A-11-00-01-00A-720A-A and with reference to Figure 41 Detail G, apply decal P/N ED300J2119 near the flange P/N M85049/95-12A-A.
- 2.3.21 With reference to Figure 41 Detail H, install n°1 audio connector assy P/N 3G2350A02032 on the connector P/N P2203.
- 2.3.22 With reference to Figure 41 Detail H, install n°1 flange P/N M85049/95-12A-A on the C/A B1A661 and on the C/A B2A549 by means on n°4 screws P/N MS24693-S5.
- 2.3.23 In accordance with DM 39-A-11-00-01-00A-720A-A and with reference to Figure 41 Detail H, apply decal P/N ED300J2121 near the flange P/N M85049/95-12A-A.
- 2.4 With reference to Figures 37 thru 39 perform the ICS Cabin AFT socket electrical provision P/N 3G2350A04812 as described in the following procedure:
  - 2.4.1 With reference to Figure 23, install the support P/N AW001CL001-N6 by means of adhesive CB200-40 (C356) on the surface.
  - 2.4.2 With reference to Figure 37, install the terminal board P/N A593A-A02 on the terminal module rail P/N A522A02A. Apply the identification label P/N A524A2A-A near the terminal module rail P/N A522A02A.
  - 2.4.3 With reference to Figure 39 Detail C, install terminal board (TB295) P/N A593A-H02 on the C/A B2A551 by means of n°2 screws P/N NAS1802-08-7 and n°2 washers P/N NAS1149DN816J.
  - 2.4.4 In accordance with DM 39-A-11-00-01-00A-720A-A and with reference to Figure 39 Detail C, apply decal P/N ED300TB295 near the terminal board P/N A593A-H02.
  - 2.4.5 With reference to Figure 38 View B, install n°1 flange P/N M85049/95-12A-A on the C/A B1A663 and on the C/A B2A551 by means of n°4 screws P/N MS24693-S5.
  - 2.4.6 In accordance with DM 39-A-11-00-01-00A-720A-A and with reference to Figure 38 View B, apply decal P/N ED300J2135 near the flange P/N M85049/95-12A-A.

- 2.4.7 With reference to Figure 38 View B, install n°1 flange P/N M85049/95-12A-A on the C/A B1A663 and on the C/A B2A551 by means of n°4 screws P/N MS24693-S5.
  - 2.4.8 In accordance with DM 39-A-11-00-01-00A-720A-A and with reference to Figure 38 View B, apply decal P/N ED300J2137 near the flange P/N M85049/95-12A-A.
  - 2.4.9 With reference to Figure 38 View B, install n°1 audio connector assy P/N 3G2350A02032 on the connector P2215.
  - 2.4.10 In accordance with DM 39-A-11-00-01-00A-720A-A and with reference to Figure 38 View B, apply decal P/N ED300J2139 near the audio connector assy P/N 3G2350A02032.
  - 2.4.11 With reference to Figure 39 Detail D, install n°1 audio connector assy P/N 3G2350A02032 on the connector P2217.
  - 2.4.12 In accordance with DM 39-A-11-00-01-00A-720A-A and with reference to Figure 39 Detail D, apply decal P/N ED300J2141 near the audio connector assy P/N 3G2350A02032.
  - 2.4.13 With reference to Figure 39 Detail D, install n°1 audio connector assy P/N 3G2350A02032 on the connector P2219.
  - 2.4.14 In accordance with DM 39-A-11-00-01-00A-720A-A and with reference to Figure 39 Detail D, apply decal P/N ED300J2143 near the audio connector assy P/N 3G2350A02032.
  - 2.4.15 With reference to Figure 38 View B, install n°1 audio connector assy P/N 3G2350A02032 on the connector P2221.
  - 2.4.16 In accordance with DM 39-A-11-00-01-00A-720A-A and with reference to Figure 38 View B, apply decal P/N ED300J2145 near the audio connector assy P/N 3G2350A02032.
  - 2.4.17 With reference to Figure 39 Detail D, install n°1 audio connector assy P/N 3G2350A02032 on the connector P2223.
  - 2.4.18 In accordance with DM 39-A-11-00-01-00A-720A-A and with reference to Figure 39 Detail D, apply decal P/N ED300J2147 near the audio connector assy P/N 3G2350A02032.
  - 2.4.19 With reference to Figure 38 View B, install n°1 audio connector assy P/N 3G2350A02032 on the connector P2225.
  - 2.4.20 In accordance with DM 39-A-11-00-01-00A-720A-A and with reference to Figure 38 View B, apply decal P/N ED300J2149 near the audio connector assy P/N 3G2350A02032.
- 2.5 With reference to Figure 61 thru Figure 65 perform the ICS PAX electrical interface

P/N 3G2350A07412 as described in the following procedure:

- 2.5.1 With reference to Figure 65 Wiring Diagram, assemble the ICS PAX I/Face C/A (A1A414) P/N 3G9A01A41401 as described in the following procedure:
  - 2.5.1.1 With reference to Figure 65 Wiring Diagram, cut n°1 wire P/N A556A-T22 of adequate length and lay it down between connector PL19P1 and connector TB123P1.
  - 2.5.1.2 In accordance with DM 39-A-20-10-08-00A-622A-A and with reference to Figure 65 Wiring Diagram, perform electrical connections of the wire to connector PL19P1 and connector TB123P1.
  - 2.5.1.3 In accordance with DM 39-A-20-10-18-00A-691A-A and with reference to Figure 65 Wiring Diagram, mark wire as R4977A22N-G.
  - 2.5.1.4 In accordance with DM 39-A-20-10-18-00A-691A-A, mark C/A as A1A414.
- 2.5.2 With reference to Figures 61, 64 and 65, assemble and lay down on the existing routes the ICS PAX I/Face C/A (A2A360) P/N 3G9A02A36001 as described in the following procedure:
  - 2.5.2.1 With reference to Figure 61 Wiring Diagram, cut n°4 wires P/N A561A-T2-22 of adequate length and lay them down between connector J107 and connector P137.
  - 2.5.2.2 In accordance with DM 39-A-20-10-08-00A-622A-A and with reference to Figure 61 Wiring Diagram, perform electrical connections of the wires to connector J107 and connector P137.
  - 2.5.2.3 In accordance with DM 39-A-20-10-18-00A-691A-A and with reference to Figure 61 Wiring Diagram, mark wires as R4950B22-S (WH and BL), R4952B22-S (WH and BL), R4955B22-S (WH and BL) and R4955B22-S (WH and BL).
  - 2.5.2.4 With reference to Figure 64 Wiring Diagram, cut n°1 wire P/N A561A-T2-22 of adequate length and lay it down between connector A7-6P3 and connector P137.
  - 2.5.2.5 In accordance with DM 39-A-20-10-08-00A-622A-A and with reference to Figure 64 Wiring Diagram, perform electrical connections of the wire to connector A7-6P3 and connector P137.

- 2.5.2.6 In accordance with DM 39-A-20-10-18-00A-691A-A and with reference to Figure 64 Wiring Diagram, mark wire as R4969A22-S (WH and BL).
- 2.5.2.7 With reference to Figure 64 Wiring Diagram, cut n°1 wire P/N A561A-T2-22 of adequate length and lay it down between connector A7-6P3 and connector P137.
- 2.5.2.8 In accordance with DM 39-A-20-10-08-00A-622A-A and with reference to Figure 64 Wiring Diagram, perform electrical connection of the wire to connector P137.
- 2.5.2.9 With reference to Figure 64 Wiring Diagram, install stowage cap P/N A583A2610W (CE1057) and stowage cap P/N A583A2610W (CE1058) on the free ends of the wire.
- 2.5.2.10 In accordance with DM 39-A-20-10-18-00A-691A-A and with reference to Figure 64 Wiring Diagram, mark wire as R4970A22-S (WH and BL).
- 2.5.2.11 With reference to Figure 64 Wiring Diagram, cut n°1 wire P/N A556A-T22 of adequate length and lay it down between connector A7-6P3 and connector P137.
- 2.5.2.12 In accordance with DM 39-A-20-10-08-00A-622A-A and with reference to Figure 64 Wiring Diagram, perform electrical connection of the wire to connector P137.
- 2.5.2.13 With reference to Figure 64 Wiring Diagram, install stowage cap P/N A583A2610W (CE1059) on the free end of the wire.
- 2.5.2.14 In accordance with DM 39-A-20-10-18-00A-691A-A and with reference to Figure 64 Wiring Diagram, mark wire as R4971A22-S.
- 2.5.2.15 With reference to Figure 65 Wiring Diagram, cut n°1 wire P/N A561A-T2-22 of adequate length and lay it down between connector TB119P1 and connector P133.
- 2.5.2.16 In accordance with DM 39-A-20-10-08-00A-622A-A and with reference to Figure 65 Wiring Diagram, perform electrical connections of the wire to connector TB119P1 and connector P133.
- 2.5.2.17 In accordance with DM 39-A-20-10-18-00A-691A-A and with reference to Figure 64 Wiring Diagram, mark wire as R4973A22-S (WH and BL).

- 2.5.2.18 With reference to Figure 65 Wiring Diagram, cut n°1 wire P/N A556A-T22 of adequate length and lay it down between connector PL19P1 and connector P133.
- 2.5.2.19 In accordance with DM 39-A-20-10-08-00A-622A-A and with reference to Figure 65 Wiring Diagram, perform electrical connections of the wire to connector PL19P1 and connector P133.
- 2.5.2.20 In accordance with DM 39-A-20-10-18-00A-691A-A and with reference to Figure 65 Wiring Diagram, mark wire as R4976A22-S.
- 2.5.2.21 In accordance with DM 39-A-20-10-18-00A-691A-A, mark C/A as A2A360.
- 2.5.3 With reference to Figures 61, 62, 64 and 65, assemble and lay down on the existing routes the ICS PAX I/Face C/A (A2B382) P/N 3G9A02B38201 as described in the following procedure:
  - 2.5.3.1 With reference to Figure 61 Wiring Diagram, cut n°1 wire P/N A561A-T2-22 of adequate length and lay it down between connector A8-6P3 and connector P107.
  - 2.5.3.2 In accordance with DM 39-A-20-10-08-00A-622A-A and with reference to Figure 61 Wiring Diagram, perform electrical connections of the wire to connector A86P3 and connector P107.
  - 2.5.3.3 In accordance with DM 39-A-20-10-18-00A-691A-A and with reference to Figure 61 Wiring Diagram, mark wire as R4950A22-S (WH and BL).
  - 2.5.3.4 With reference to Figure 61 Wiring Diagram, cut n°1 wire P/N A556A-T22 of adequate length and lay it down between connector A8-6P3 and connector P107.
  - 2.5.3.5 In accordance with DM 39-A-20-10-08-00A-622A-A and with reference to Figure 61 Wiring Diagram, perform electrical connections of the wire to connector A86P3 and connector P107.
  - 2.5.3.6 In accordance with DM 39-A-20-10-18-00A-691A-A and with reference to Figure 61 Wiring Diagram, mark wire as R4951A22-S.
  - 2.5.3.7 With reference to Figure 61 Wiring Diagram, cut n°1 wire P/N A561A-T2-22 of adequate length and lay it down between connector A8-6P3 and connector P107.

- 2.5.3.8 In accordance with DM 39-A-20-10-08-00A-622A-A and with reference to Figure 61 Wiring Diagram, perform electrical connection of the wire to connector P107.
- 2.5.3.9 With reference to Figures 30 and 61 Wiring Diagram, install stowage cap P/N A583A2610W (CE1054), P/N A583A2610W (CE1056) and stowage cap P/N A583A2610W (CE1055) on the free ends of the wire.
- 2.5.3.10 .
- 2.5.3.11 In accordance with DM 39-A-20-10-18-00A-691A-A and with reference to Figure 61 Wiring Diagram, mark wire as R4952A22-S (WH and BL).
- 2.5.3.12 With reference to Figure 61 Wiring Diagram, cut n°1 wire P/N A556A-T22 of adequate length and lay it down between connector A8-6P3 and connector P107.
- 2.5.3.13 In accordance with DM 39-A-20-10-08-00A-622A-A and with reference to Figure 61 Wiring Diagram, perform electrical connection of the wire to connector P107.
- 2.5.3.14 In accordance with DM 39-A-20-10-18-00A-691A-A and with reference to Figure 61 Wiring Diagram, mark wire as R4953A22-S.
- 2.5.3.15 With reference to Figure 61 Wiring Diagram, cut n°1 wire P/N A556A-T22 of adequate length and lay it down between connector A8-6P3 and connector P107.
- 2.5.3.16 In accordance with DM 39-A-20-10-08-00A-622A-A and with reference to Figure 61 Wiring Diagram, perform electrical connections of the wire to connector A8-6P3 and connector P107.
- 2.5.3.17 In accordance with DM 39-A-20-10-18-00A-691A-A and with reference to Figure 61 Wiring Diagram, mark wire as R4954A22-S.
- 2.5.3.18 With reference to Figure 61 Wiring Diagram, cut n°2 wires P/N A561A-T2-22 of adequate length and lay them down between connector A8-6P1 and connector P107.
- 2.5.3.19 In accordance with DM 39-A-20-10-08-00A-622A-A and with reference to Figure 61 Wiring Diagram, perform electrical connections of the wires to connector A8-6P1 and connector P107.

- 2.5.3.20 In accordance with DM 39-A-20-10-18-00A-691A-A and with reference to Figure 61 Wiring Diagram, mark wires as R4955A22-S (WH and BL) and R4956A22-S (WH and BL).
- 2.5.3.21 With reference to Figure 61 Wiring Diagram, cut n°1 wire P/N A556A-T22 of adequate length and lay it down between connector A8-6P1 and connector P113.
- 2.5.3.22 In accordance with DM 39-A-20-10-08-00A-622A-A and with reference to Figure 61 Wiring Diagram, perform electrical connections of the wires to connector A8-6P1 and connector P113.
- 2.5.3.23 In accordance with DM 39-A-20-10-18-00A-691A-A and with reference to Figure 61 Wiring Diagram, mark wire as R4957A22-S.
- 2.5.3.24 With reference to Figure 62 Wiring Diagram, cut n°1 wire P/N A556A-T22 of adequate length and lay it down between connector A8-6P3 and splice P/N M81824/1-1 (SP1670).
- 2.5.3.25 In accordance with DM 39-A-20-10-08-00A-622A-A and with reference to Figure 62 Wiring Diagram, perform electrical connections of the wire to connector A8-6P3 and splice SP1670.
- 2.5.3.26 In accordance with DM 39-A-20-10-18-00A-691A-A and with reference to Figure 62 Wiring Diagram, mark wire as R4958A22-S.
- 2.5.3.27 With reference to Figure 62 Wiring Diagram, cut n°1 wire P/N A556A-T22 of adequate length and lay it down between splice SP1670 and connector P122.
- 2.5.3.28 In accordance with DM 39-A-20-10-08-00A-622A-A and with reference to Figure 62 Wiring Diagram, perform electrical connections of the wire to splice SP1670 and connector P122.
- 2.5.3.29 In accordance with DM 39-A-20-10-18-00A-691A-A and with reference to Figure 62 Wiring Diagram, mark wire as R4958C22-S.
- 2.5.3.30 With reference to Figure 62 Wiring Diagram, cut n°1 wire P/N A556A-T22 of adequate length and lay it down between connector A8-6P3 and splice P/N M81824/1-1 (SP1671).
- 2.5.3.31 In accordance with DM 39-A-20-10-08-00A-622A-A and with reference to Figure 62 Wiring Diagram, perform electrical connections of the wire to connector A8-6P3 and splice SP1671.



- 2.5.3.32 In accordance with DM 39-A-20-10-18-00A-691A-A and with reference to Figure 62 Wiring Diagram, mark wire as R4959A22-S.
- 2.5.3.33 With reference to Figure 62 Wiring Diagram, cut n°1 wire P/N A556A-T22 of adequate length and lay it down between splice SP1671 and connector P122.
- 2.5.3.34 In accordance with DM 39-A-20-10-08-00A-622A-A and with reference to Figure 62 Wiring Diagram, perform electrical connections of the wire to splice SP1671 and connector P122.
- 2.5.3.35 In accordance with DM 39-A-20-10-18-00A-691A-A and with reference to Figure 62 Wiring Diagram, mark wire as R4959C22-S.
- 2.5.3.36 With reference to Figure 62 Wiring Diagram, cut n°1 wire P/N A556A-T22 of adequate length and lay it down between splice SP1670 and connector TB104P1.
- 2.5.3.37 In accordance with DM 39-A-20-10-08-00A-622A-A and with reference to Figure 62 Wiring Diagram, perform electrical connections of the wire to splice SP1670 and connector TB104P1.
- 2.5.3.38 In accordance with DM 39-A-20-10-18-00A-691A-A and with reference to Figure 62 Wiring Diagram, mark wire as R4958B22-S.
- 2.5.3.39 With reference to Figure 62 Wiring Diagram, cut n°1 wire P/N A556A-T22 of adequate length and lay it down between splice SP1671 and connector TB104P1.
- 2.5.3.40 In accordance with DM 39-A-20-10-08-00A-622A-A and with reference to Figure 62 Wiring Diagram, perform electrical connections of the wire to splice SP1671 and connector TB104P1.
- 2.5.3.41 In accordance with DM 39-A-20-10-18-00A-691A-A and with reference to Figure 62 Wiring Diagram, mark wire as R4959B22-S.
- 2.5.3.42 With reference to Figure 62 Wiring Diagram, cut n°4 wires P/N A561A-T2-22 of adequate length and lay them down between connector TB104P1 and connector P122.
- 2.5.3.43 In accordance with DM 39-A-20-10-08-00A-622A-A and with reference to Figure 62 Wiring Diagram, perform electrical connections of the wires to connector TB104P1 and connector P122.



- 2.5.3.44 In accordance with DM 39-A-20-10-18-00A-691A-A and with reference to Figure 62 Wiring Diagram, mark wires as R4960A22-S (WH and BL), R4962A22-S (WH and BL), R4963A22-S (WH and BL) and R4961A22-S (WH and BL).
- 2.5.3.45 With reference to Figure 64 Wiring Diagram, cut n°1 wire P/N A561A-T2-22 of adequate length and lay it down between connector P118 and connector P122.
- 2.5.3.46 In accordance with DM 39-A-20-10-08-00A-622A-A and with reference to Figure 64 Wiring Diagram, perform electrical connections of the wire to connector P118 and connector P122.
- 2.5.3.47 In accordance with DM 39-A-20-10-18-00A-691A-A and with reference to Figure 64 Wiring Diagram, mark wire as R4966A22-S (WH and BL).
- 2.5.3.48 With reference to Figure 64 Wiring Diagram, cut n°1 wire P/N A556A-T22 of adequate length and lay it down between connector TB122P1 and connector P122.
- 2.5.3.49 In accordance with DM 39-A-20-10-08-00A-622A-A and with reference to Figure 64 Wiring Diagram, perform electrical connections of the wire to connector TB122P1 and connector P122.
- 2.5.3.50 In accordance with DM 39-A-20-10-18-00A-691A-A and with reference to Figure 64 Wiring Diagram, mark wire as R4968A22-S.
- 2.5.3.51 With reference to Figure 65 Wiring Diagram, cut n°1 wire P/N A561A-T2-24 of adequate length and lay it down between connector P113, connector TB122P1 and splice P/N M81824/1-1 (SP1711).
- 2.5.3.52 In accordance with DM 39-A-20-10-08-00A-622A-A and with reference to Figure 65 Wiring Diagram, perform electrical connections of the wire to connector P113, connector TB122P1 and splice SP1711.
- 2.5.3.53 In accordance with DM 39-A-20-10-18-00A-691A-A and with reference to Figure 65 Wiring Diagram, mark wire as R4975A22-S (WH and BL).
- 2.5.3.54 With reference to Figure 65 Wiring Diagram, cut n°1 wire P/N A561A-T2-22 of adequate length and lay it down between connector P118, connector TB122P1 and splice SP1711.

- 2.5.3.55 In accordance with DM 39-A-20-10-08-00A-622A-A and with reference to Figure 65 Wiring Diagram, perform electrical connections of the wire to connector P118, connector TB122P1 and splice SP1711.
- 2.5.3.56 In accordance with DM 39-A-20-10-18-00A-691A-A and with reference to Figure 65 Wiring Diagram, mark wire as R4974B22-S (WH and BL).
- 2.5.3.57 With reference to Figure 65 Wiring Diagram, cut n°1 wire P/N A556A-T22 of adequate length and lay it down between splice SP1711 and connector TB122P1.
- 2.5.3.58 In accordance with DM 39-A-20-10-08-00A-622A-A and with reference to Figure 65 Wiring Diagram, perform electrical connections of the wire to splice SP1711 and connector TB122P1.
- 2.5.3.59 In accordance with DM 39-A-20-10-18-00A-691A-A and with reference to Figure 65 Wiring Diagram, mark wire as R4974A22-S.
- 2.5.3.60 In accordance with DM 39-A-20-10-18-00A-691A-A, mark C/A as A2B382.
- 2.5.4 With reference to Figures 61, 63 and 64, assemble and lay down on the existing routes the ICS Interface C/A (B2A412) P/N 3G9B02A41201 as described in the following procedure:
  - 2.5.4.1 With reference to Figure 61 Wiring Diagram, cut n°4 wires P/N A561A-T2-22 of adequate length and lay them down between connector J137 and connector P221.
  - 2.5.4.2 In accordance with DM 39-A-20-10-08-00A-622A-A and with reference to Figure 61 Wiring Diagram, perform electrical connections of the wires to connector J137 and connector P221.
  - 2.5.4.3 In accordance with DM 39-A-20-10-18-00A-691A-A and with reference to Figure 61 Wiring Diagram, mark wires as R4950C22-S (WH and BL), R4952C22-S (WH and BL), R4955C22-S (WH and BL) and R4956C22-S (WH and BL).
  - 2.5.4.4 With reference to Figure 61 Wiring Diagram, cut n°4 wires P/N A556A-T22 of adequate length and lay them down between connector J137 and connector P221.
  - 2.5.4.5 In accordance with DM 39-A-20-10-08-00A-622A-A and with reference to Figure 61 Wiring Diagram, perform electrical connections of the wires to connector J137 and connector P221.

- 2.5.4.6 In accordance with DM 39-A-20-10-18-00A-691A-A and with reference to Figure 61 Wiring Diagram, mark wires as R4951C22-S, R4953C22-S, R4954C22-S and R4957C22-S.
- 2.5.4.7 With reference to Figure 63 Wiring Diagram, cut n°4 wires P/N A561A-T2-22 of adequate length and lay them down between connector J251 and connector P221.
- 2.5.4.8 In accordance with DM 39-A-20-10-08-00A-622A-A and with reference to Figure 63 Wiring Diagram, perform electrical connections of the wires to connector J251 and connector P221.
- 2.5.4.9 In accordance with DM 39-A-20-10-18-00A-691A-A and with reference to Figure 63 Wiring Diagram, mark wires as R4960C22-S (WH and BL), R4962C22-S (WH and BL), R4963C22-S (WH and BL) and R4961C22-S (WH and BL).
- 2.5.4.10 With reference to Figure 63 Wiring Diagram, cut n°2 wires P/N A556A-T22 of adequate length and lay them down between connector J251 and connector P221.
- 2.5.4.11 In accordance with DM 39-A-20-10-08-00A-622A-A and with reference to Figure 63 Wiring Diagram, perform electrical connections of the wires to connector J251 and connector P221.
- 2.5.4.12 In accordance with DM 39-A-20-10-18-00A-691A-A and with reference to Figure 63 Wiring Diagram, mark wires as R4959E22-S and R4958E22-S.
- 2.5.4.13 With reference to Figure 64 Wiring Diagram, cut n°3 wires P/N A561A-T2-22 of adequate length and lay them down between connector J251 and connector P221.
- 2.5.4.14 In accordance with DM 39-A-20-10-08-00A-622A-A and with reference to Figure 64 Wiring Diagram, perform electrical connections of the wires to connector J251 and connector P221.
- 2.5.4.15 In accordance with DM 39-A-20-10-18-00A-691A-A and with reference to Figure 64 Wiring Diagram, mark wires as R4964A22-S (WH and BL), R4966C22-S (WH and BL) and R4967A22-S (WH and BL).
- 2.5.4.16 With reference to Figure 64 Wiring Diagram, cut n°2 wires P/N A556A-T22 of adequate length and lay them down between connector J251 and connector P221.

- 2.5.4.17 In accordance with DM 39-A-20-10-08-00A-622A-A and with reference to Figure 64 Wiring Diagram, perform electrical connections of the wires to connector J251 and connector P221.
- 2.5.4.18 In accordance with DM 39-A-20-10-18-00A-691A-A and with reference to Figure 64 Wiring Diagram, mark wires as R4965A22-S and R4968C22-S.
- 2.5.4.19 With reference to Figure 64 Wiring Diagram, cut n°2 wires P/N A561A-T2-22 of adequate length and lay them down between connector J137 and connector P221.
- 2.5.4.20 In accordance with DM 39-A-20-10-08-00A-622A-A and with reference to Figure 64 Wiring Diagram, perform electrical connections of the wires to connector J137 and connector P221.
- 2.5.4.21 In accordance with DM 39-A-20-10-18-00A-691A-A and with reference to Figure 64 Wiring Diagram, mark wires as R4969B22-S (WH and BL) and R4970B22-S (WH and BL).
- 2.5.4.22 With reference to Figure 64 Wiring Diagram, cut n°1 wire P/N A556A-T22 of adequate length and lay it down between connector J137 and connector P221.
- 2.5.4.23 In accordance with DM 39-A-20-10-08-00A-622A-A and with reference to Figure 64 Wiring Diagram, perform electrical connections of the wire to connector J137 and connector P221.
- 2.5.4.24 In accordance with DM 39-A-20-10-18-00A-691A-A and with reference to Figure 64 Wiring Diagram, mark wire as R4971B22-S.
- 2.5.4.25 In accordance with DM 39-A-20-10-18-00A-691A-A, mark C/A as B2A412.
- 2.5.5 With reference to Figures 61, 62, 64 and 65, assemble and lay down on the existing routes the ICS Interface C/A (B2A553) P/N 3G9B02A55301 as described in the following procedure:
  - 2.5.5.1 With reference to Figures 61, 62, 64 and 65, assemble the connector TB297P1 by means of n°1 electrical connector P/N D38999/26JJ35SN and n°1 backshell P/N A529A400-2502C.
  - 2.5.5.2 With reference to Figures 61, 63, 64 and 65, assemble the connector TB299P1 by means of n°1 electrical connector P/N D38999/26JJ35SN and n°1 backshell P/N A529A400-2502C.

- 2.5.5.3 With reference to Figure 61 Wiring Diagram, cut n°1 wire P/N A561A-T2-22 of adequate length and lay it down between connector J221 and connector TB299P1.
- 2.5.5.4 In accordance with DM 39-A-20-10-08-00A-622A-A and with reference to Figure 61 Wiring Diagram, perform electrical connections of the wire to connector J221 and connector TB299P1.
- 2.5.5.5 In accordance with DM 39-A-20-10-18-00A-691A-A and with reference to Figure 61 Wiring Diagram, mark wire as R4950D22-S (WH and BL).
- 2.5.5.6 With reference to Figure 61 Wiring Diagram, cut n°3 wires P/N A561A-T2-22 of adequate length and lay them down between connector J221 and connector TB297P1.
- 2.5.5.7 In accordance with DM 39-A-20-10-08-00A-622A-A and with reference to Figure 61 Wiring Diagram, perform electrical connections of the wires to connector J221 and connector TB297P1.
- 2.5.5.8 In accordance with DM 39-A-20-10-18-00A-691A-A and with reference to Figure 61 Wiring Diagram, mark wires as R4952D22-S (WH and BL), R4953D22-S (WH and BL) and R4956D22-S (WH and BL).
- 2.5.5.9 With reference to Figure 61 Wiring Diagram, cut n°4 wires P/N A556A-T22 of adequate length and lay them down between connector J221 and connector TB297P1.
- 2.5.5.10 In accordance with DM 39-A-20-10-08-00A-622A-A and with reference to Figure 61 Wiring Diagram, perform electrical connections of the wires to connector J221 and connector TB297P1.
- 2.5.5.11 In accordance with DM 39-A-20-10-18-00A-691A-A and with reference to Figure 61 Wiring Diagram, mark wires as R4951D22-S, R4953D22-S, R4954D22-S and R4957D22-S.
- 2.5.5.12 With reference to Figure 63 Wiring Diagram, cut n°4 wires P/N A561A-T2-22 of adequate length and lay them down between connector J221 and connector TB299P1.
- 2.5.5.13 In accordance with DM 39-A-20-10-08-00A-622A-A and with reference to Figure 63 Wiring Diagram, perform electrical

- connections of the wires to connector J221 and connector TB299P1.
- 2.5.5.14 In accordance with DM 39-A-20-10-18-00A-691A-A and with reference to Figure 63 Wiring Diagram, mark wires as R4960D22-S (WH and BL), R4962D22-S (WH and BL), R4963D22-S (WH and BL) and R4961D22-S (WH and BL).
- 2.5.5.15 With reference to Figure 63 Wiring Diagram, cut n°2 wires P/N A556A-T22 of adequate length and lay them down between connector J221 and connector TB297P1.
- 2.5.5.16 In accordance with DM 39-A-20-10-08-00A-622A-A and with reference to Figure 63 Wiring Diagram, perform electrical connections of the wires to connector J221 and connector TB297P1.
- 2.5.5.17 In accordance with DM 39-A-20-10-18-00A-691A-A and with reference to Figure 61 Wiring Diagram, mark wires as R4959F22-S and R4958F22-S.
- 2.5.5.18 With reference to Figure 64 Wiring Diagram, cut n°2 wires P/N A561A-T2-22 of adequate length and lay them down between connector J221 and connector TB297P1.
- 2.5.5.19 In accordance with DM 39-A-20-10-08-00A-622A-A and with reference to Figure 64 Wiring Diagram, perform electrical connections of the wires to connector J221 and connector TB297P1.
- 2.5.5.20 In accordance with DM 39-A-20-10-18-00A-691A-A and with reference to Figure 64 Wiring Diagram, mark wires as R4964B22-S (WH and BL) and R4970C22-S (WH and BL).
- 2.5.5.21 With reference to Figure 64 Wiring Diagram, cut n°2 wires P/N A556A-T22 of adequate length and lay them down between connector J221 and connector TB297P1.
- 2.5.5.22 In accordance with DM 39-A-20-10-08-00A-622A-A and with reference to Figure 64 Wiring Diagram, perform electrical connections of the wires to connector J221 and connector TB297P1.
- 2.5.5.23 In accordance with DM 39-A-20-10-18-00A-691A-A and with reference to Figure 64 Wiring Diagram, mark wires as R4965B22-S and R4971C22-S.

- 2.5.5.24 With reference to Figure 64 Wiring Diagram, cut n°3 wires P/N A561A-T2-22 of adequate length and lay them down between connector J221 and connector TB299P1.
- 2.5.5.25 In accordance with DM 39-A-20-10-08-00A-622A-A and with reference to Figure 64 Wiring Diagram, perform electrical connections of the wires to connector J221 and connector TB299P1.
- 2.5.5.26 In accordance with DM 39-A-20-10-18-00A-691A-A and with reference to Figure 64 Wiring Diagram, mark wires as R4966D22-S (WH and BL), R4967B22-S (WH and BL) and R4969C22-S (WH and BL).
- 2.5.5.27 With reference to Figure 64 Wiring Diagram, cut n°1 wire P/N A556A-T22 of adequate length and lay it down between connector J221 and diode assembly P/N AW001YD03 (CR281).
- 2.5.5.28 In accordance with DM 39-A-20-10-08-00A-622A-A and with reference to Figure 64 Wiring Diagram, perform electrical connections of the wire to connector J221 and diode assembly CR281.
- 2.5.5.29 In accordance with DM 39-A-20-10-18-00A-691A-A and with reference to Figure 64 Wiring Diagram, mark wire as R4968D22-S.
- 2.5.5.30 With reference to Figure 64 Wiring Diagram, cut n°1 wire P/N A556A-T22 of adequate length and lay it down between diode assembly CR281 and connector TB299P1.
- 2.5.5.31 In accordance with DM 39-A-20-10-08-00A-622A-A and with reference to Figure 64 Wiring Diagram, perform electrical connections of the wire to diode assembly CR281 and connector TB299P1.
- 2.5.5.32 In accordance with DM 39-A-20-10-18-00A-691A-A and with reference to Figure 64 Wiring Diagram, mark wire as R4972A22-S.
- 2.5.5.33 With reference to Figure 64 Wiring Diagram, cut n°2 wires P/N A556A-T22 of adequate length and lay them down between connector TB299P1 and connector TB299P1.
- 2.5.5.34 In accordance with DM 39-A-20-10-08-00A-622A-A and with reference to Figure 64 Wiring Diagram, perform electrical



- connections of the wires to connector TB299P1 and connector TB299P1.
- 2.5.5.35 In accordance with DM 39-A-20-10-18-00A-691A-A and with reference to Figure 64 Wiring Diagram, mark wires as R4978A22-S and R4979A22-S.
  - 2.5.5.36 With reference to Figure 65 Wiring Diagram, cut n°1 wire P/N A561A-T2-22 of adequate length and lay it down between connector J133 and connector TB299P1.
  - 2.5.5.37 In accordance with DM 39-A-20-10-08-00A-622A-A and with reference to Figure 65 Wiring Diagram, perform electrical connections of the wire to connector J133 and connector TB299P1.
  - 2.5.5.38 In accordance with DM 39-A-20-10-18-00A-691A-A and with reference to Figure 65 Wiring Diagram, mark wire as R4973B22-S (WH and BL).
  - 2.5.5.39 With reference to Figure 65 Wiring Diagram, cut n°1 wire P/N A561A-T2-22 of adequate length and lay it down between connector J205 and connector TB299P1.
  - 2.5.5.40 In accordance with DM 39-A-20-10-08-00A-622A-A and with reference to Figure 65 Wiring Diagram, perform electrical connections of the wire to connector J205 and connector TB299P1.
  - 2.5.5.41 In accordance with DM 39-A-20-10-18-00A-691A-A and with reference to Figure 65 Wiring Diagram, mark wire as R4974D22-S (WH and BL).
  - 2.5.5.42 With reference to Figure 65 Wiring Diagram, cut n°1 wire P/N A556A-T22 of adequate length and lay it down between connector J133 and connector TB297P1.
  - 2.5.5.43 In accordance with DM 39-A-20-10-08-00A-622A-A and with reference to Figure 65 Wiring Diagram, perform electrical connections of the wire to connector J133 and connector TB297P1.
  - 2.5.5.44 In accordance with DM 39-A-20-10-18-00A-691A-A and with reference to Figure 65 Wiring Diagram, mark wire as R4976B22-S.
  - 2.5.5.45 In accordance with DM 39-A-20-10-18-00A-691A-A, mark C/A as B2A553.



- 2.5.6 With reference to Figures 62 and 64, assemble and lay down on the existing routes the ICS Interface C/A (B2B348) P/N 3G9B02B34801 as described in the following procedure:
- 2.5.6.1 With reference to Figure 62 Wiring Diagram, cut n°4 wires P/N A561A-T2-22 of adequate length and lay them down between connector J122 and connector P251.
  - 2.5.6.2 In accordance with DM 39-A-20-10-08-00A-622A-A and with reference to Figure 62 Wiring Diagram, perform electrical connections of the wires to connector J122 and connector P251.
  - 2.5.6.3 In accordance with DM 39-A-20-10-18-00A-691A-A and with reference to Figure 62 Wiring Diagram, mark wires as R4960B22-S (WH and BL), R4962B22-S (WH and BL), R4963B22-S (WH and BL) and R4961B22-S (WH and BL).
  - 2.5.6.4 With reference to Figure 62 Wiring Diagram, cut n°2 wires P/N A556A-T22 of adequate length and lay them down between connector J122 and connector P251.
  - 2.5.6.5 In accordance with DM 39-A-20-10-08-00A-622A-A and with reference to Figure 62 Wiring Diagram, perform electrical connections of the wires to connector J122 and connector P251.
  - 2.5.6.6 In accordance with DM 39-A-20-10-18-00A-691A-A and with reference to Figure 62 Wiring Diagram, mark wires as R4958D22-S and R4959D22-S.
  - 2.5.6.7 With reference to Figure 64 Wiring Diagram, cut n°1 wire P/N A561A-T2-22 of adequate length and lay it down between connector J122 and connector P251.
  - 2.5.6.8 In accordance with DM 39-A-20-10-08-00A-622A-A and with reference to Figure 64 Wiring Diagram, perform electrical connections of the wire to connector J122 and connector P251.
  - 2.5.6.9 In accordance with DM 39-A-20-10-18-00A-691A-A and with reference to Figure 64 Wiring Diagram, mark wire as R4966B22-S (WH and BL).
  - 2.5.6.10 With reference to Figure 64 Wiring Diagram, cut n°1 wire P/N A556A-T22 of adequate length and lay it down between connector J122 and connector P251.
  - 2.5.6.11 In accordance with DM 39-A-20-10-08-00A-622A-A and with reference to Figure 64 Wiring Diagram, perform electrical connections of the wire to connector J122 and connector P251.

- 2.5.6.12 In accordance with DM 39-A-20-10-18-00A-691A-A and with reference to Figure 64 Wiring Diagram, mark wire as R4968B22-S.
- 2.5.6.13 In accordance with DM 39-A-20-10-18-00A-691A-A, mark C/A as B2B348.
- 2.5.7 With reference to Figure 65 Wiring Diagram, assemble and lay down on the existing routes the ICS Interface C/A (B2B399) P/N 3G9B02B39901 as described in the following procedure:
  - 2.5.7.1 With reference to Figure 65 Wiring Diagram, cut n°1 wire P/N A561A-T2-22 of adequate length and lay it down between connector J118 and connector J205.
  - 2.5.7.2 In accordance with DM 39-A-20-10-08-00A-622A-A and with reference to Figure 65 Wiring Diagram, perform electrical connections of the wire to connector J118 and connector J205.
  - 2.5.7.3 In accordance with DM 39-A-20-10-18-00A-691A-A and with reference to Figure 65 Wiring Diagram, mark wire as R4974C22-S (WH and BL).
  - 2.5.7.4 In accordance with DM 39-A-20-10-18-00A-691A-A, mark C/A as B2B399.
- 2.6 With reference to Figures 22 thru 26, secure the cable assemblies laid down at the previous step by means of the existing hardware and lacing cords.
- 3. In accordance with DM 39-A-06-41-00-00A-010A-A and with reference to Figures 34 thru 42, perform ICS customization variant P/N 3G2350P08711 as described in the following procedure:
  - 3.1 In accordance with DM 39-A-20-10-09-00A-920A-A and with reference to Figure 37 View A, install the stud P/N A366A3E08C75 at location n°1 in accordance with the dimensions shown on the table.
  - 3.2 In accordance with DM 39-A-20-10-09-00A-920A-A and with reference to Figure 37 View A, install the stud P/N A366A3E20C at location n°2 in accordance with the dimensions shown on the table.
  - 3.3 In accordance with DM 39-A-20-10-09-00A-920A-A and with reference to Figure 37 View A, install the stud P/N A366A3E20C75 at location n°3 in accordance with the dimensions shown on the table.
  - 3.4 In accordance with DM 39-A-20-10-09-00A-920A-A and with reference to Figure 37 View A, install n°3 studs P/N A366A3E14C at location n°4 thru n°6 in accordance with the dimensions shown on the table.
  - 3.5 With reference to Figure 37 View A, install the electrical cable support

- P/N AW001CL005C01-X1 at location n°7 in accordance with the dimensions shown on the table.
- 3.6 With reference to Figure 38 View B, install n°8 electrical cable support P/N AW001CL001-N6 by means of adhesive CB200-40 (C356) at location n°1 thru n°8 in accordance with the dimensions shown on the table.
- 3.7 With reference to Figure 39 Detail D, install n°3 electrical cable support P/N AW001CL001-N6 by means of adhesive CB200-40 (C356) at location n°1 thru n°3 in accordance with the dimensions shown on the table.
- 3.8 With reference to Figure 48 Wiring Diagram, assemble and lay down on the existing routes the ICS PAX AFT control panel C/A (B1A833) P/N 3G9B01A83305 as described in the following procedure:
- 3.8.1 With reference to Figure 48 Wiring Diagram, assemble the connector PL60P1 by means of the electrical connector P/N M24308/2-5F, n°1 electrical connector clamp P/N DD121073-153 and n°2 electrical jackscrews P/N 250-8501-010.
- 3.8.2 With reference to Figure 48 Wiring Diagram, assemble the connector PL60P2 by means of the connector receptacle P/N M24308/2-15F, n°1 backshell P/N M85049/48-2-5F and n°2 electrical retainers P/N D20420-12.
- 3.8.3 With reference to Figure 48 Wiring Diagram, cut n°2 wires P/N A556A-T22 of adequate length and lay them down between connector J127 and connector PL60P1.
- 3.8.4 In accordance with DM 39-A-20-10-08-00A-622A-A and with reference to Figure 48 Wiring Diagram, perform electrical connections of the wires to connector J127 and connector PL60P1.
- 3.8.5 In accordance with DM 39-A-20-10-18-00A-691A-A and with reference to Figure 48 Wiring Diagram, mark wires as R7463B22-G and R7464A22-G.
- 3.8.6 With reference to Figure 48 Wiring Diagram, cut n°1 wire P/N A556A-T22 of adequate length and lay it down between connector PL60P2 and connector TB297P1.
- 3.8.7 In accordance with DM 39-A-20-10-08-00A-622A-A and with reference to Figure 48 Wiring Diagram, perform electrical connections of the wire to connector PL60P2 and connector TB297P1.
- 3.8.8 In accordance with DM 39-A-20-10-18-00A-691A-A and with reference to Figure 48 Wiring Diagram, mark wire as R7462A22-G.

- 3.8.9 With reference to Figure 48 Wiring Diagram, cut n°2 wires P/N A556A-T22 of adequate length and lay them down between connector PL60P2 and splice P/N M81824/1-1 (SP20472).
- 3.8.10 In accordance with DM 39-A-20-10-08-00A-622A-A and with reference to Figure 48 Wiring Diagram, perform electrical connections of the wires to connector PL60P2 and splice SP20472.
- 3.8.11 In accordance with DM 39-A-20-10-18-00A-691A-A and with reference to Figure 48 Wiring Diagram, mark wires as R7461A22-G and R7461B22-G.
- 3.8.12 With reference to Figure 48 Wiring Diagram, cut n°1 wire P/N A556A-T22 of adequate length and lay it down between splice SP20472 and connector TB297P1.
- 3.8.13 In accordance with DM 39-A-20-10-08-00A-622A-A and with reference to Figure 48 Wiring Diagram, perform electrical connections of the wire to splice SP20472 and connector TB297P1.
- 3.8.14 In accordance with DM 39-A-20-10-18-00A-691A-A and with reference to Figure 48 Wiring Diagram, mark wire as R7461C22-G.
- 3.8.15 With reference to Figure 48 Wiring Diagram, cut n°2 wires P/N A556A-T22 of adequate length and lay them down between connector PL60P2 and splice P/N M81824/1-1 (SP20471).
- 3.8.16 In accordance with DM 39-A-20-10-08-00A-622A-A and with reference to Figure 48 Wiring Diagram, perform electrical connections of the wires to connector PL60P2 and splice SP20471.
- 3.8.17 In accordance with DM 39-A-20-10-18-00A-691A-A and with reference to Figure 48 Wiring Diagram, mark wires as R7460B22-G and R7460C22-G.
- 3.8.18 With reference to Figure 48 Wiring Diagram, cut n°1 wire P/N A556A-T20 of adequate length and lay it down between splice SP20471 and connector PL1P1.
- 3.8.19 In accordance with DM 39-A-20-10-08-00A-622A-A and with reference to Figure 48 Wiring Diagram, perform electrical connections of the wire to splice SP20471 and connector PL1P1.
- 3.8.20 In accordance with DM 39-A-20-10-18-00A-691A-A and with reference to Figure 48 Wiring Diagram, mark wire as R7460A20-G.
- 3.8.21 With reference to Figure 48 Wiring Diagram, cut n°1 wire P/N A556A-T22 of adequate length and lay it down between connector TB209P1 and connector TB297P1.

- 3.8.22 In accordance with DM 39-A-20-10-08-00A-622A-A and with reference to Figure 48 Wiring Diagram, perform electrical connections of the wire to connector TB209P1 and connector TB297P1.
- 3.8.23 In accordance with DM 39-A-20-10-18-00A-691A-A and with reference to Figure 48 Wiring Diagram, mark wire as R7461D22N-G.
- 3.8.24 In accordance with DM 39-A-20-10-18-00A-691A-A, mark C/A as B1A833.
- 3.9 With reference to Figure 49 Wiring Diagram thru Figure 52 Wiring Diagram, assemble and lay down on the existing routes the ICS PAX AFT control panel C/A (B2A703) P/N 3G9B02A70305 as described in the following procedure:
  - 3.9.1 With reference to Figure 49 Wiring Diagram, cut n°2 wires P/N A556A-T22 of adequate length and lay them down between connector PL60P2 and connector TB299P1.
  - 3.9.2 In accordance with DM 39-A-20-10-08-00A-622A-A and with reference to Figure 49 Wiring Diagram, perform electrical connections of the wires to connector PL60P2 and connector TB299P1.
  - 3.9.3 In accordance with DM 39-A-20-10-18-00A-691A-A and with reference to Figure 49 Wiring Diagram, mark wires as R7471A22-S and R7472A22-S.
  - 3.9.4 With reference to Figure 49 Wiring Diagram, cut n°1 wire P/N A561A-T2-22 of adequate length and lay it down between connector PL60P1 and junction module TB2211-1.
  - 3.9.5 In accordance with DM 39-A-20-10-08-00A-622A-A and with reference to Figure 49 Wiring Diagram, perform electrical connections of the wire to connector PL60P1 and junction module TB2211-1.
  - 3.9.6 In accordance with DM 39-A-20-10-18-00A-691A-A and with reference to Figure 49 Wiring Diagram, mark wire as R7465A22-S (WH and BL).
  - 3.9.7 With reference to Figure 49 Wiring Diagram, cut n°5 wires P/N A561A-T2-22 of adequate length and lay them down between connector PL60P1 and connector TB299P1.
  - 3.9.8 In accordance with DM 39-A-20-10-08-00A-622A-A and with reference to Figure 49 Wiring Diagram, perform electrical connections of the wires to connector PL60P1 and connector TB299P1.
  - 3.9.9 In accordance with DM 39-A-20-10-18-00A-691A-A and with reference to Figure 49 Wiring Diagram, mark wires as R7466A22-S (WH and BL), R7467A22-S (WH and BL), R7468A22-S (WH and BL), R7469A22-S (WH and BL) and R7470A22-S (WH and BL).

- 3.9.10 With reference to Figure 50 Wiring Diagram, cut n°7 wires P/N A561A-T2-22 of adequate length and lay them down between connector PL60P1 and connector TB299P1.
- 3.9.11 In accordance with DM 39-A-20-10-08-00A-622A-A and with reference to Figure 50 Wiring Diagram, perform electrical connections of the wires to connector PL60P1 and connector TB299P1.
- 3.9.12 In accordance with DM 39-A-20-10-18-00A-691A-A and with reference to Figure 50 Wiring Diagram, mark wires as R7473A22-S (WH and BL), R747A22-S (WH and BL), R7475A22-S (WH and BL), R7476A22-S (WH and BL), R7477A22-S (WH and BL), R7478A22-S (WH and BL) and R7479A22-S (WH and BL).
- 3.9.13 With reference to Figure 51 Wiring Diagram, cut n°4 wires P/N A561A-T2-22 of adequate length and lay them down between connector PL60P2 and connector TB297P1.
- 3.9.14 In accordance with DM 39-A-20-10-08-00A-622A-A and with reference to Figure 51 Wiring Diagram, perform electrical connections of the wires to connector PL60P2 and connector TB297P1.
- 3.9.15 In accordance with DM 39-A-20-10-18-00A-691A-A and with reference to Figure 51 Wiring Diagram, mark wires as R7480A22-S (WH and BL), R7481A22-S (WH and BL), R7482A22-S (WH and BL) and R7483A22-S (WH and BL).
- 3.9.16 With reference to Figure 51 Wiring Diagram, cut n°5 wires P/N A556A-T22 of adequate length and lay them down between connector PL60P2 and connector TB297P1.
- 3.9.17 In accordance with DM 39-A-20-10-08-00A-622A-A and with reference to Figure 51 Wiring Diagram, perform electrical connections of the wires to connector PL60P2 and connector TB297P1.
- 3.9.18 In accordance with DM 39-A-20-10-18-00A-691A-A and with reference to Figure 51 Wiring Diagram, mark wires as R7485A22-S, R7486A22-S, R7487A22-S, R7488A22-S and R7489A22-S.
- 3.9.19 With reference to Figure 51 Wiring Diagram, cut n°1 wire P/N A556A-T22 of adequate length and lay it down between connector PL60P2 and diode assembly P/N AW001YD03 (CR2037).
- 3.9.20 In accordance with DM 39-A-20-10-08-00A-622A-A and with reference to Figure 51 Wiring Diagram, perform electrical connections of the wire to connector PL60P2 and diode assembly CR2037.



- 3.9.21 In accordance with DM 39-A-20-10-18-00A-691A-A and with reference to Figure 51 Wiring Diagram, mark wire as R7493A22-S.
- 3.9.22 With reference to Figure 51 Wiring Diagram, cut n°1 wire P/N A556A-T22 of adequate length and lay it down between diode assembly CR2037 and connector TB297P1.
- 3.9.23 In accordance with DM 39-A-20-10-08-00A-622A-A and with reference to Figure 51 Wiring Diagram, perform electrical connections of the wire to diode assembly CR2037 and connector TB297P1.
- 3.9.24 In accordance with DM 39-A-20-10-18-00A-691A-A and with reference to Figure 51 Wiring Diagram, mark wire as R7491B22-S.
- 3.9.25 With reference to Figure 51 Wiring Diagram, cut n°1 wire P/N A556A-T22 of adequate length and lay it down between connector PL60P2 and connector PL60P2.
- 3.9.26 In accordance with DM 39-A-20-10-08-00A-622A-A and with reference to Figure 51 Wiring Diagram, perform electrical connections of the wire to connector PL60P2 and connector PL60P2 by means of n°1 terminal lug P/N MS25036-148.
- 3.9.27 In accordance with DM 39-A-20-10-18-00A-691A-A and with reference to Figure 51 Wiring Diagram, mark wire as R7484A22N-S.
- 3.9.28 With reference to Figure 51 Wiring Diagram, cut n°1 wire P/N A556A-T22 of adequate length and lay it down between connector TB297P1 and diode assembly P/N AW001YD03 (CR2039).
- 3.9.29 In accordance with DM 39-A-20-10-08-00A-622A-A and with reference to Figure 51 Wiring Diagram, perform electrical connections of the wire to connector TB297P1 and diode assembly CR2039.
- 3.9.30 In accordance with DM 39-A-20-10-18-00A-691A-A and with reference to Figure 51 Wiring Diagram, mark wire as R7491A22-S.
- 3.9.31 With reference to Figure 51 Wiring Diagram, cut n°1 wire P/N A556A-T22 of adequate length and lay it down between diode assembly CR2039 and connector TB297P1.
- 3.9.32 In accordance with DM 39-A-20-10-08-00A-622A-A and with reference to Figure 51 Wiring Diagram, perform electrical connections of the wire to diode assembly CR2039 and connector TB297P1.
- 3.9.33 In accordance with DM 39-A-20-10-18-00A-691A-A and with reference to Figure 51 Wiring Diagram, mark wire as R7489B22-S.

- 3.9.34 With reference to Figure 52 Wiring Diagram, cut n°3 wires P/N A556A-T2-22 of adequate length and lay them down between connector PL60P1 and connector TB297P1.
- 3.9.35 In accordance with DM 39-A-20-10-08-00A-622A-A and with reference to Figure 52 Wiring Diagram, perform electrical connections of the wires to connector PL60P1 and connector TB297P1.
- 3.9.36 In accordance with DM 39-A-20-10-18-00A-691A-A and with reference to Figure 52 Wiring Diagram, mark wires as R7494A22-S (WH and BL), R7495A22-S (WH and BL) and R7502A22-S (WH and BL).
- 3.9.37 With reference to Figure 52 Wiring Diagram, cut n°1 wire P/N A556A-T22 of adequate length and lay it down between connector PL60P1 and diode assembly P/N AW001YD03 (CR1129).
- 3.9.38 In accordance with DM 39-A-20-10-08-00A-622A-A and with reference to Figure 52 Wiring Diagram, perform electrical connections of the wire to connector TB297P1 and diode assembly CR1129.
- 3.9.39 In accordance with DM 39-A-20-10-18-00A-691A-A and with reference to Figure 52 Wiring Diagram, mark wire as R7496B22-S.
- 3.9.40 With reference to Figure 52 Wiring Diagram, cut n°1 wires P/N A556A-T22 of adequate length and lay it down between diode assembly CR1129 and connector TB297P1.
- 3.9.41 In accordance with DM 39-A-20-10-08-00A-622A-A and with reference to Figure 52 Wiring Diagram, perform electrical connections of the wire to diode assembly CR1129 and connector TB297P1.
- 3.9.42 In accordance with DM 39-A-20-10-18-00A-691A-A and with reference to Figure 52 Wiring Diagram, mark wire as R7496A22-S.
- 3.9.43 With reference to Figure 52 Wiring Diagram, cut n°1 wire P/N A556A-T22 of adequate length and lay it down between connector PL60P1 and diode assembly P/N AW001YD03 (CR1130).
- 3.9.44 In accordance with DM 39-A-20-10-08-00A-622A-A and with reference to Figure 52 Wiring Diagram, perform electrical connections of the wire to connector TB297P1 and diode assembly CR1130.
- 3.9.45 In accordance with DM 39-A-20-10-18-00A-691A-A and with reference to Figure 52 Wiring Diagram, mark wire as R7497B22-S.
- 3.9.46 With reference to Figure 52 Wiring Diagram, cut n°1 wires P/N A556A-T22 of adequate length and lay it down between diode assembly CR1130 and connector TB297P1.



- 3.9.47 In accordance with DM 39-A-20-10-08-00A-622A-A and with reference to Figure 52 Wiring Diagram, perform electrical connections of the wire to diode assembly CR1130 and connector TB297P1.
- 3.9.48 In accordance with DM 39-A-20-10-18-00A-691A-A and with reference to Figure 52 Wiring Diagram, mark wire as R7497A22-S.
- 3.9.49 With reference to Figure 52 Wiring Diagram, cut n°1 wire P/N A556A-T22 of adequate length and lay it down between connector PL60P1 and diode assembly P/N AW001YD03 (CR1131).
- 3.9.50 In accordance with DM 39-A-20-10-08-00A-622A-A and with reference to Figure 52 Wiring Diagram, perform electrical connections of the wire to connector TB297P1 and diode assembly CR1131.
- 3.9.51 In accordance with DM 39-A-20-10-18-00A-691A-A and with reference to Figure 52 Wiring Diagram, mark wire as R7498B22-S.
- 3.9.52 With reference to Figure 52 Wiring Diagram, cut n°1 wires P/N A556A-T22 of adequate length and lay it down between diode assembly CR1131 and connector TB297P1.
- 3.9.53 In accordance with DM 39-A-20-10-08-00A-622A-A and with reference to Figure 52 Wiring Diagram, perform electrical connections of the wire to diode assembly CR1131 and connector TB297P1.
- 3.9.54 In accordance with DM 39-A-20-10-18-00A-691A-A and with reference to Figure 52 Wiring Diagram, mark wire as R7498A22-S.
- 3.9.55 With reference to Figure 52 Wiring Diagram, cut n°1 wire P/N A556A-T22 of adequate length and lay it down between connector PL60P1 and diode assembly P/N AW001YD03 (CR1132).
- 3.9.56 In accordance with DM 39-A-20-10-08-00A-622A-A and with reference to Figure 52 Wiring Diagram, perform electrical connections of the wire to connector TB297P1 and diode assembly CR1132.
- 3.9.57 In accordance with DM 39-A-20-10-18-00A-691A-A and with reference to Figure 52 Wiring Diagram, mark wire as R7499B22-S.
- 3.9.58 With reference to Figure 52 Wiring Diagram, cut n°1 wires P/N A556A-T22 of adequate length and lay it down between diode assembly CR1132 and connector TB297P1.
- 3.9.59 In accordance with DM 39-A-20-10-08-00A-622A-A and with reference to Figure 52 Wiring Diagram, perform electrical connections of the wire to diode assembly CR1132 and connector TB297P1.
- 3.9.60 In accordance with DM 39-A-20-10-18-00A-691A-A and with reference to Figure 52 Wiring Diagram, mark wire as R7499A22-S.

- 3.9.61 With reference to Figure 52 Wiring Diagram, cut n°1 wire P/N A556A-T22 of adequate length and lay it down between connector PL60P1 and diode assembly P/N AW001YD03 (CR1133).
  - 3.9.62 In accordance with DM 39-A-20-10-08-00A-622A-A and with reference to Figure 52 Wiring Diagram, perform electrical connections of the wire to connector TB297P1 and diode assembly CR1133.
  - 3.9.63 In accordance with DM 39-A-20-10-18-00A-691A-A and with reference to Figure 52 Wiring Diagram, mark wires as R7500B22-S.
  - 3.9.64 With reference to Figure 52 Wiring Diagram, cut n°1 wires P/N A556A-T22 of adequate length and lay it down between diode assembly CR1133 and connector TB297P1.
  - 3.9.65 In accordance with DM 39-A-20-10-08-00A-622A-A and with reference to Figure 52 Wiring Diagram, perform electrical connections of the wire to diode assembly CR1133 and connector TB297P1.
  - 3.9.66 In accordance with DM 39-A-20-10-18-00A-691A-A and with reference to Figure 52 Wiring Diagram, mark wire as R7500A22-S.
  - 3.9.67 With reference to Figure 52 Wiring Diagram, cut n°1 wire P/N A556A-T22 of adequate length and lay it down between connector PL60P1 and diode assembly P/N AW001YD03 (CR1134).
  - 3.9.68 In accordance with DM 39-A-20-10-08-00A-622A-A and with reference to Figure 52 Wiring Diagram, perform electrical connections of the wire to connector TB297P1 and diode assembly CR1134.
  - 3.9.69 In accordance with DM 39-A-20-10-18-00A-691A-A and with reference to Figure 52 Wiring Diagram, mark wire as R7501B22-S.
  - 3.9.70 With reference to Figure 52 Wiring Diagram, cut n°1 wires P/N A556A-T22 of adequate length and lay it down between diode assembly CR1134 and connector TB297P1.
  - 3.9.71 In accordance with DM 39-A-20-10-08-00A-622A-A and with reference to Figure 52 Wiring Diagram, perform electrical connections of the wire to diode assembly CR1134 and connector TB297P1.
  - 3.9.72 In accordance with DM 39-A-20-10-18-00A-691A-A and with reference to Figure 52 Wiring Diagram, mark wire as R7501A22-S.
  - 3.9.73 With reference to Figure 51 Wiring Diagram, install n°4 ferrules P/N A590A02.
  - 3.9.74 In accordance with DM 39-A-20-10-18-00A-691A-A, mark C/A as B2A703.
- 3.10 With reference to Figure 53 Wiring Diagram, assemble and lay down on the

existing routes the ICS PAX FWD sockets C/A (B1A661) P/N 3G9B01A66105 as described in the following procedure:

- 3.10.1 With reference to Figure 53 Wiring Diagram, cut n°2 wires P/N A556A-T22 of adequate length and lay them down between connector PL61P1 and PTT radio S139.
- 3.10.2 In accordance with DM 39-A-20-10-08-00A-622A-A and with reference to Figure 53 Wiring Diagram, perform electrical connections of the wires to connector PL61P1 and PTT radio S139.
- 3.10.3 In accordance with DM 39-A-20-10-18-00A-691A-A and with reference to Figure 53 Wiring Diagram, mark wires as R4857A22-G and R4858A22-G.
- 3.10.4 With reference to Figure 53 Wiring Diagram, cut n°1 wire P/N A556A-T22 of adequate length and lay it down between PTT radio S139 and splice P/N M81824/1-1 (SP2967).
- 3.10.5 In accordance with DM 39-A-20-10-08-00A-622A-A and with reference to Figure 53 Wiring Diagram, perform electrical connections of the wire to PTT radio S139 and splice SP2967.
- 3.10.6 In accordance with DM 39-A-20-10-18-00A-691A-A and with reference to Figure 53 Wiring Diagram, mark wire as R4856C22-G.
- 3.10.7 With reference to Figure 53 Wiring Diagram, cut n°1 wire P/N A556A-T22 of adequate length and lay it down between splice SP2967 and connector J2119.
- 3.10.8 In accordance with DM 39-A-20-10-08-00A-622A-A and with reference to Figure 53 Wiring Diagram, perform electrical connections of the wire to splice SP2967 and connector J2119.
- 3.10.9 In accordance with DM 39-A-20-10-18-00A-691A-A and with reference to Figure 53 Wiring Diagram, mark wire as R4856A22-G.
- 3.10.10 With reference to Figure 53 Wiring Diagram, cut n°1 wire P/N A556A-T22 of adequate length and lay it down between splice SP2967 and connector J2121.
- 3.10.11 In accordance with DM 39-A-20-10-08-00A-622A-A and with reference to Figure 53 Wiring Diagram, perform electrical connections of the wire to splice SP2967 and connector J2121.
- 3.10.12 In accordance with DM 39-A-20-10-18-00A-691A-A and with reference to Figure 53 Wiring Diagram, mark wire as R4856B22-G.

- 3.10.13 With reference to Figure 53 Wiring Diagram, cut n°1 wire P/N A556A-T22 of adequate length and lay it down between connector J2119 and connector TB297P1.
- 3.10.14 In accordance with DM 39-A-20-10-08-00A-622A-A and with reference to Figure 53 Wiring Diagram, perform electrical connections of the wire to connector J2119 and connector TB297P1.
- 3.10.15 In accordance with DM 39-A-20-10-18-00A-691A-A and with reference to Figure 53 Wiring Diagram, mark wire as R4859A22-G.
- 3.10.16 With reference to Figure 53 Wiring Diagram, cut n°1 wire P/N A556A-T22 of adequate length and lay it down between connector J2121 and connector TB297P1.
- 3.10.17 In accordance with DM 39-A-20-10-08-00A-622A-A and with reference to Figure 53 Wiring Diagram, perform electrical connections of the wire to connector J2121 and connector TB297P1.
- 3.10.18 In accordance with DM 39-A-20-10-18-00A-691A-A and with reference to Figure 53 Wiring Diagram, mark wire as R4859B22-G.
- 3.10.19 In accordance with DM 39-A-20-10-18-00A-691A-A, mark C/A as B1A661.
- 3.11 With reference to Figures 53 thru 56, assemble and lay down on the existing routes the ICS PAX FWD sockets C/A (B2A549) P/N 3G9B02A54905 as described in the following procedure:
  - 3.11.1 With reference to Figure 53 Wiring Diagram, assemble the connector J2119 by means of n°1 electrical connector P/N MS3470L12-10S and n°1 backshell P/N A532A300-1203C.
  - 3.11.2 With reference to Figure 53 Wiring Diagram, assemble the connector J2121 by means of n°1 electrical connector P/N MS3470L12-10S and of n°1 backshell P/N A532A300-1203C.
  - 3.11.3 With reference to Figure 53 Wiring Diagram, assemble the connector J2203 by means of n°1 electrical connector P/N 350781-1.
  - 3.11.4 With reference to Figure 54 Wiring Diagram, assemble the connector J2205 by means of n°1 electrical connector P/N 350781-1.
  - 3.11.5 With reference to Figure 55 Wiring Diagram, assemble the connector J2207 by means of n°1 electrical connector P/N 350781-1.
  - 3.11.6 With reference to Figure 55 Wiring Diagram, assemble the connector J2209 by means of n°1 electrical connector P/N 350781-1.
  - 3.11.7 With reference to Figure 56 Wiring Diagram, assemble the connector J2211 by means of n°1 electrical connector P/N 350781-1.

- 3.11.8 With reference to Figure 56 Wiring Diagram, assemble the connector J2213 by means of n°1 electrical connector P/N 350781-1.
- 3.11.9 With reference to Figure 53 Wiring Diagram, cut n°1 wire P/N A561A-T2-22 of adequate length and lay it down between connector PL61P2, connector J2119 and splice P/N M81824/1-1 (SP2975).
- 3.11.10 In accordance with DM 39-A-20-10-08-00A-622A-A and with reference to Figure 53 Wiring Diagram, perform electrical connections of the wire to connector PL61P2, connector J2119 and splice SP2975.
- 3.11.11 In accordance with DM 39-A-20-10-18-00A-691A-A and with reference to Figure 53 Wiring Diagram, mark wire as R4850A22-S (WH and BL).
- 3.11.12 With reference to Figure 53 Wiring Diagram, cut n°1 wire P/N A556A-T22 of adequate length and lay it down between splice SP2975 and connector J2119.
- 3.11.13 In accordance with DM 39-A-20-10-08-00A-622A-A and with reference to Figure 53 Wiring Diagram, perform electrical connections of the wire to splice SP2975 and connector J2119.
- 3.11.14 In accordance with DM 39-A-20-10-18-00A-691A-A and with reference to Figure 53 Wiring Diagram, mark wire as R4851A22-S.
- 3.11.15 With reference to Figure 53 Wiring Diagram, cut n°1 wire P/N A561A-T2-22 of adequate length and lay it down between connector PL61P2, connector J2119 and splice P/N M81824/1-1 (SP2976).
- 3.11.16 In accordance with DM 39-A-20-10-08-00A-622A-A and with reference to Figure 53 Wiring Diagram, perform electrical connections of the wire to connector PL61P2, connector J2119 and splice SP2976.
- 3.11.17 In accordance with DM 39-A-20-10-18-00A-691A-A and with reference to Figure 53 Wiring Diagram, mark wire as R4852A22-S (WH and BL).
- 3.11.18 With reference to Figure 53 Wiring Diagram, cut n°1 wire P/N A556A-T22 of adequate length and lay it down between splice SP2976 and connector J2119.
- 3.11.19 In accordance with DM 39-A-20-10-08-00A-622A-A and with reference to Figure 53 Wiring Diagram, perform electrical connections of the wire to splice SP2976 and connector J2119.
- 3.11.20 In accordance with DM 39-A-20-10-18-00A-691A-A and with reference to Figure 53 Wiring Diagram, mark wire as R4851C22-S.

- 3.11.21 With reference to Figure 53 Wiring Diagram, cut n°1 wire P/N A556A-T22 of adequate length and lay it down between connector TB293 and splice SP2976.
- 3.11.22 In accordance with DM 39-A-20-10-08-00A-622A-A and with reference to Figure 53 Wiring Diagram, perform electrical connections of the wire to connector TB293 splice SP2976.
- 3.11.23 In accordance with DM 39-A-20-10-18-00A-691A-A and with reference to Figure 53 Wiring Diagram, mark wire as R4851D22N-S.
- 3.11.24 With reference to Figure 53 Wiring Diagram, cut n°1 wire P/N A556A-T22 of adequate length and lay it down between splice SP2975 and splice SP2976.
- 3.11.25 In accordance with DM 39-A-20-10-08-00A-622A-A and with reference to Figure 53 Wiring Diagram, perform electrical connections of the wire to splice SP2975 splice SP2976.
- 3.11.26 In accordance with DM 39-A-20-10-18-00A-691A-A and with reference to Figure 53 Wiring Diagram, mark wire as R5851B22-S.
- 3.11.27 With reference to Figure 53 Wiring Diagram, cut n°1 wire P/N A561A-T2-22 of adequate length and lay it down between connector PL61P2, connector J2121 and splice P/N M81824/1-1 (SP2977).
- 3.11.28 In accordance with DM 39-A-20-10-08-00A-622A-A and with reference to Figure 53 Wiring Diagram, perform electrical connections of the wire to connector PL61P2, connector J2121 and splice SP2977.
- 3.11.29 In accordance with DM 39-A-20-10-18-00A-691A-A and with reference to Figure 53 Wiring Diagram, mark wire as R4853A22-S (WH and BL).
- 3.11.30 With reference to Figure 53 Wiring Diagram, cut n°1 wire P/N A556A-T22 of adequate length and lay it down between splice SP2977 and connector J2121.
- 3.11.31 In accordance with DM 39-A-20-10-08-00A-622A-A and with reference to Figure 53 Wiring Diagram, perform electrical connections of the wire to splice SP2977 and connector J2121.
- 3.11.32 In accordance with DM 39-A-20-10-18-00A-691A-A and with reference to Figure 53 Wiring Diagram, mark wire as R4854A22-S.
- 3.11.33 With reference to Figure 53 Wiring Diagram, cut n°1 wire P/N A561A-T2-22 of adequate length and lay it down between connector PL61P2, connector J2121 and splice P/N M81824/1-1 (SP2978).



- 3.11.34 In accordance with DM 39-A-20-10-08-00A-622A-A and with reference to Figure 53 Wiring Diagram, perform electrical connections of the wire to connector PL61P2, connector J2121 and splice SP2978.
- 3.11.35 In accordance with DM 39-A-20-10-18-00A-691A-A and with reference to Figure 53 Wiring Diagram, mark wire as R4855A22-S (WH and BL).
- 3.11.36 With reference to Figure 53 Wiring Diagram, cut n°1 wire P/N A556A-T22 of adequate length and lay it down between splice SP2978 and connector J2121.
- 3.11.37 In accordance with DM 39-A-20-10-08-00A-622A-A and with reference to Figure 53 Wiring Diagram, perform electrical connections of the wire to splice SP2978 and connector J2121.
- 3.11.38 In accordance with DM 39-A-20-10-18-00A-691A-A and with reference to Figure 53 Wiring Diagram, mark wire as R4854C22-S.
- 3.11.39 With reference to Figure 53 Wiring Diagram, cut n°1 wire P/N A556A-T22 of adequate length and lay it down between connector TB293 and splice SP2978.
- 3.11.40 In accordance with DM 39-A-20-10-08-00A-622A-A and with reference to Figure 53 Wiring Diagram, perform electrical connections of the wire to connector TB293 and splice SP2978.
- 3.11.41 In accordance with DM 39-A-20-10-18-00A-691A-A and with reference to Figure 53 Wiring Diagram, mark wire as R4854D22-S.
- 3.11.42 With reference to Figure 53 Wiring Diagram, cut n°1 wire P/N A556A-T22 of adequate length and lay it down between splice SP297 and splice SP2978.
- 3.11.43 In accordance with DM 39-A-20-10-08-00A-622A-A and with reference to Figure 53 Wiring Diagram, perform electrical connections of the wire to splice SP2977 and splice SP2978.
- 3.11.44 In accordance with DM 39-A-20-10-18-00A-691A-A and with reference to Figure 53 Wiring Diagram, mark wire as R4854B22-S.
- 3.11.45 With reference to Figure 54 Wiring Diagram, cut n°1 wire P/N A561A-T2-22 of adequate length and lay it down between connector PL61P2, connector J2203 and splice P/N M81824/1-1 (SP2979).
- 3.11.46 In accordance with DM 39-A-20-10-08-00A-622A-A and with reference to Figure 54 Wiring Diagram, perform electrical connections of the wire to connector PL61P2, connector J2203 and splice SP2979.
- 3.11.47 In accordance with DM 39-A-20-10-18-00A-691A-A and with reference to Figure 54 Wiring Diagram, mark wire as R4861A22-S (WH and BL).

- 3.11.48 With reference to Figure 54 Wiring Diagram, cut n°1 wire P/N A556A-T22 of adequate length and lay it down between splice SP2979 and connector J2203.
- 3.11.49 In accordance with DM 39-A-20-10-08-00A-622A-A and with reference to Figure 54 Wiring Diagram, perform electrical connections of the wire to splice SP2979 and connector J2203.
- 3.11.50 In accordance with DM 39-A-20-10-18-00A-691A-A and with reference to Figure 54 Wiring Diagram, mark wire as R4862A22-S.
- 3.11.51 With reference to Figure 54 Wiring Diagram, cut n°1 wire P/N A561A-T2-22 of adequate length and lay it down between connector PL61P2 and connector TB203P1.
- 3.11.52 In accordance with DM 39-A-20-10-08-00A-622A-A and with reference to Figure 54 Wiring Diagram, perform electrical connections of the wire to connector PL61P2 and connector TB203P1.
- 3.11.53 In accordance with DM 39-A-20-10-18-00A-691A-A and with reference to Figure 54 Wiring Diagram, mark wire as R4863A22-S (WH and BL).
- 3.11.54 With reference to Figure 54 Wiring Diagram, cut n°1 wire P/N A561A-T2-22 of adequate length and lay it down between connector TB203P1, connector J2203 and splice P/N M81824/1-1 (SP2980).
- 3.11.55 In accordance with DM 39-A-20-10-08-00A-622A-A and with reference to Figure 54 Wiring Diagram, perform electrical connections of the wire to connector TB203P1, connector J2203 and splice SP2980.
- 3.11.56 In accordance with DM 39-A-20-10-18-00A-691A-A and with reference to Figure 54 Wiring Diagram, mark wire as R4863B22-S (WH and BL).
- 3.11.57 With reference to Figure 54 Wiring Diagram, cut n°1 wire P/N A556A-T22 of adequate length and lay it down between splice SP2980 and connector J2203.
- 3.11.58 In accordance with DM 39-A-20-10-08-00A-622A-A and with reference to Figure 54 Wiring Diagram, perform electrical connections of the wire to splice SP2980 and connector J2203.
- 3.11.59 In accordance with DM 39-A-20-10-18-00A-691A-A and with reference to Figure 54 Wiring Diagram, mark wire as R4862D22-S.
- 3.11.60 With reference to Figure 54 Wiring Diagram, cut n°1 wire P/N A556A-T22 of adequate length and lay it down between connector TB293 and splice SP2980.



- 3.11.61 In accordance with DM 39-A-20-10-08-00A-622A-A and with reference to Figure 54 Wiring Diagram, perform electrical connections of the wire to connector TB293 and splice SP2980.
- 3.11.62 In accordance with DM 39-A-20-10-18-00A-691A-A and with reference to Figure 54 Wiring Diagram, mark wire as R4862E22N-S.
- 3.11.63 With reference to Figure 54 Wiring Diagram, cut n°1 wire P/N A556A-T22 of adequate length and lay it down between splice SP2979 and splice SP2980.
- 3.11.64 In accordance with DM 39-A-20-10-08-00A-622A-A and with reference to Figure 54 Wiring Diagram, perform electrical connections of the wire to splice SP2979 and splice SP2980.
- 3.11.65 In accordance with DM 39-A-20-10-18-00A-691A-A and with reference to Figure 54 Wiring Diagram, mark wire as R4862C22-S.
- 3.11.66 With reference to Figure 54 Wiring Diagram, cut n°1 wire P/N A556A-T22 of adequate length and lay it down between splice SP2979 and connector J2203.
- 3.11.67 With reference to Figure 54 Wiring Diagram, perform electrical connections of the wire to splice SP2979, wires R4861A22-S (WH and BL) and R4863B22-S (WH and BL).
- 3.11.68 In accordance with DM 39-A-20-10-18-00A-691A-A and with reference to Figure 54 Wiring Diagram, mark wire as R4862B22-S.
- 3.11.69 With reference to Figure 54 Wiring Diagram, cut n°1 wire P/N A561A-T2-22 of adequate length and lay it down between connector TB203P1, connector J2205 and splice P/N M81824/1-1 (SP2981).
- 3.11.70 In accordance with DM 39-A-20-10-08-00A-622A-A and with reference to Figure 54 Wiring Diagram, perform electrical connections of the wire to connector TB203P1, connector J2205 and splice SP2981.
- 3.11.71 In accordance with DM 39-A-20-10-18-00A-691A-A and with reference to Figure 54 Wiring Diagram, mark wire as R4863C22-S (WH and BL).
- 3.11.72 With reference to Figure 54 Wiring Diagram, cut n°1 wire P/N A556A-T22 of adequate length and lay it down between splice SP2981 and connector J2205.
- 3.11.73 In accordance with DM 39-A-20-10-08-00A-622A-A and with reference to Figure 54 Wiring Diagram, perform electrical connections of the wire to splice SP2981 and connector J2205.
- 3.11.74 In accordance with DM 39-A-20-10-18-00A-691A-A and with reference to Figure 54 Wiring Diagram, mark wire as R4864A22-S.

- 3.11.75 With reference to Figure 54 Wiring Diagram, cut n°1 wire P/N A561A-T2-22 of adequate length and lay it down between connector PL61P2, connector J2205 and splice P/N M81824/1-1 (SP2982).
- 3.11.76 In accordance with DM 39-A-20-10-08-00A-622A-A and with reference to Figure 54 Wiring Diagram, perform electrical connections of the wire to connector PL61P2, connector J2205 and splice SP2982.
- 3.11.77 In accordance with DM 39-A-20-10-18-00A-691A-A and with reference to Figure 54 Wiring Diagram, mark wire as R4865A22-S (WH and BL).
- 3.11.78 With reference to Figure 54 Wiring Diagram, cut n°1 wire P/N A556A-T22 of adequate length and lay it down between splice SP2982 and connector J2205.
- 3.11.79 In accordance with DM 39-A-20-10-08-00A-622A-A and with reference to Figure 54 Wiring Diagram, perform electrical connections of the wire to splice SP2982 and connector J2205.
- 3.11.80 In accordance with DM 39-A-20-10-18-00A-691A-A and with reference to Figure 54 Wiring Diagram, mark wire as R4864D22-S.
- 3.11.81 With reference to Figure 54 Wiring Diagram, cut n°1 wire P/N A556A-T22 of adequate length and lay it down between splice SP2981 and splice SP2982.
- 3.11.82 In accordance with DM 39-A-20-10-08-00A-622A-A and with reference to Figure 54 Wiring Diagram, perform electrical connections of the wire to splice SP2981 and splice SP2982.
- 3.11.83 In accordance with DM 39-A-20-10-18-00A-691A-A and with reference to Figure 54 Wiring Diagram, mark wire as R4864C22-S.
- 3.11.84 With reference to Figure 54 Wiring Diagram, cut n°1 wire P/N A556A-T22 of adequate length and lay it down between connector TB293 and splice SP2982.
- 3.11.85 In accordance with DM 39-A-20-10-08-00A-622A-A and with reference to Figure 54 Wiring Diagram, perform electrical connections of the wire to connector TB293 and splice SP2982.
- 3.11.86 In accordance with DM 39-A-20-10-18-00A-691A-A and with reference to Figure 54 Wiring Diagram, mark wire as R4864E22N-S.
- 3.11.87 With reference to Figure 54 Wiring Diagram, cut n°1 wire P/N A556A-T22 of adequate length and lay it down between splice SP2981 and connector J2205.

- 3.11.88 With reference to Figure 54 Wiring Diagram, perform electrical connections of the wire to splice SP2981, wires R4863C22-S (WH and BL) and R4865A22-S (WH and BL).
- 3.11.89 In accordance with DM 39-A-20-10-18-00A-691A-A and with reference to Figure 54 Wiring Diagram, mark wire as R4864B22-S.
- 3.11.90 With reference to Figure 55 Wiring Diagram, cut n°1 wire P/N A561A-T2-22 of adequate length and lay it down between connector PL61P2, connector J2207 and splice P/N M81824/1-1 (SP2983).
- 3.11.91 In accordance with DM 39-A-20-10-08-00A-622A-A and with reference to Figure 55 Wiring Diagram, perform electrical connections of the wire to connector PL61P2, connector J2207 and splice SP2983.
- 3.11.92 In accordance with DM 39-A-20-10-18-00A-691A-A and with reference to Figure 55 Wiring Diagram, mark wire as R4866A22-S (WH and BL).
- 3.11.93 With reference to Figure 55 Wiring Diagram, cut n°1 wire P/N A556A-T22 of adequate length and lay it down between splice SP2983 and connector J2207.
- 3.11.94 In accordance with DM 39-A-20-10-08-00A-622A-A and with reference to Figure 55 Wiring Diagram, perform electrical connections of the wire to splice SP2983 and connector J2207.
- 3.11.95 In accordance with DM 39-A-20-10-18-00A-691A-A and with reference to Figure 55 Wiring Diagram, mark wire as R4867A22-S.
- 3.11.96 With reference to Figure 55 Wiring Diagram, cut n°1 wire P/N A561A-T2-22 of adequate length and lay it down between connector PL61P2 and connector TB203P1.
- 3.11.97 In accordance with DM 39-A-20-10-08-00A-622A-A and with reference to Figure 55 Wiring Diagram, perform electrical connections of the wire to connector PL61P2 and connector TB203P1.
- 3.11.98 In accordance with DM 39-A-20-10-18-00A-691A-A and with reference to Figure 55 Wiring Diagram, mark wire as R4868A22-S (WH and BL).
- 3.11.99 With reference to Figure 55 Wiring Diagram, cut n°1 wire P/N A561A-T2-22 of adequate length and lay it down between connector TB203P1, connector J2207 and splice P/N M81824/1-1 (SP2984).
- 3.11.100 In accordance with DM 39-A-20-10-08-00A-622A-A and with reference to Figure 55 Wiring Diagram, perform electrical connections of the wire to connector TB203P1, connector J2207 and splice SP2984.
- 3.11.101 In accordance with DM 39-A-20-10-18-00A-691A-A and with reference to Figure 55 Wiring Diagram, mark wire as R4868B22-S (WH and BL).

- 3.11.102 With reference to Figure 55 Wiring Diagram, cut n°1 wire P/N A556A-T22 of adequate length and lay it down between splice SP2984 and connector J2207.
- 3.11.103 In accordance with DM 39-A-20-10-08-00A-622A-A and with reference to Figure 55 Wiring Diagram, perform electrical connections of the wire to splice SP2984 and connector J2207.
- 3.11.104 In accordance with DM 39-A-20-10-18-00A-691A-A and with reference to Figure 55 Wiring Diagram, mark wire as R4867D22-S.
- 3.11.105 With reference to Figure 55 Wiring Diagram, cut n°1 wire P/N A556A-T22 of adequate length and lay it down between splice SP2983 and splice SP2984.
- 3.11.106 In accordance with DM 39-A-20-10-08-00A-622A-A and with reference to Figure 55 Wiring Diagram, perform electrical connections of the wire to splice SP2983 and splice SP2984.
- 3.11.107 In accordance with DM 39-A-20-10-18-00A-691A-A and with reference to Figure 55 Wiring Diagram, mark wire as R4867C22-S.
- 3.11.108 With reference to Figure 55 Wiring Diagram, cut n°1 wire P/N A556A-T22 of adequate length and lay it down between connector TB293 and splice SP2984.
- 3.11.109 In accordance with DM 39-A-20-10-08-00A-622A-A and with reference to Figure 55 Wiring Diagram, perform electrical connections of the wire to connector TB293 and splice SP2984.
- 3.11.110 In accordance with DM 39-A-20-10-18-00A-691A-A and with reference to Figure 55 Wiring Diagram, mark wire as R4867E22N-S.
- 3.11.111 With reference to Figure 55 Wiring Diagram, cut n°1 wire P/N A556A-T22 of adequate length and lay it down between splice SP2984 and connector J2207.
- 3.11.112 With reference to Figure 55 Wiring Diagram, perform electrical connections of the wire to splice SP2984 and wires R4866A22-S (WH and BL) and R4868B22-S (WH and BL).
- 3.11.113 In accordance with DM 39-A-20-10-18-00A-691A-A and with reference to Figure 55 Wiring Diagram, mark wire as R4867B22-S.
- 3.11.114 With reference to Figure 55 Wiring Diagram, cut n°1 wire P/N A561A-T2-22 of adequate length and lay it down between connector PL61P2, connector J2209 and splice P/N M81824/1-1 (SP2986).

- 3.11.115 In accordance with DM 39-A-20-10-08-00A-622A-A and with reference to Figure 55 Wiring Diagram, perform electrical connections of the wire to connector PL61P2, connector J2209 and splice SP2986.
- 3.11.116 In accordance with DM 39-A-20-10-18-00A-691A-A and with reference to Figure 55 Wiring Diagram, mark wire as R4870A22-S (WH and BL).
- 3.11.117 With reference to Figure 55 Wiring Diagram, cut n°1 wire P/N A556A-T22 of adequate length and lay it down between splice SP2986 and connector J2209.
- 3.11.118 In accordance with DM 39-A-20-10-08-00A-622A-A and with reference to Figure 55 Wiring Diagram, perform electrical connections of the wire to splice SP2986 and connector J2209.
- 3.11.119 In accordance with DM 39-A-20-10-18-00A-691A-A and with reference to Figure 55 Wiring Diagram, mark wire as R4869D22-S.
- 3.11.120 With reference to Figure 55 Wiring Diagram, cut n°1 wire P/N A561A-T2-22 of adequate length and lay it down between connector TB203P1, connector J2209 and splice P/N M81824/1-1 (SP2985).
- 3.11.121 In accordance with DM 39-A-20-10-08-00A-622A-A and with reference to Figure 55 Wiring Diagram, perform electrical connections of the wire to connector TB203P1, connector J2209 and splice SP2985.
- 3.11.122 In accordance with DM 39-A-20-10-18-00A-691A-A and with reference to Figure 55 Wiring Diagram, mark wire as R4868C22-S (WH and BL).
- 3.11.123 With reference to Figure 55 Wiring Diagram, cut n°1 wire P/N A556A-T22 of adequate length and lay it down between splice SP2985 and connector J2209.
- 3.11.124 In accordance with DM 39-A-20-10-08-00A-622A-A and with reference to Figure 55 Wiring Diagram, perform electrical connections of the wire to splice SP2985 and connector J2209.
- 3.11.125 In accordance with DM 39-A-20-10-18-00A-691A-A and with reference to Figure 55 Wiring Diagram, mark wire as R4869A22-S.
- 3.11.126 With reference to Figure 55 Wiring Diagram, cut n°1 wire P/N A556A-T22 of adequate length and lay it down between splice SP2985 and splice SP2986.
- 3.11.127 In accordance with DM 39-A-20-10-08-00A-622A-A and with reference to Figure 55 Wiring Diagram, perform electrical connections of the wire to splice SP2985 and splice SP2986.
- 3.11.128 In accordance with DM 39-A-20-10-18-00A-691A-A and with reference to Figure 55 Wiring Diagram, mark wire as R4869C22-S.

- 3.11.129 With reference to Figure 55 Wiring Diagram, cut n°1 wire P/N A556A-T22 of adequate length and lay it down between connector TB293 and splice SP2986.
- 3.11.130 In accordance with DM 39-A-20-10-08-00A-622A-A and with reference to Figure 55 Wiring Diagram, perform electrical connections of the wire to connector TB293 and splice SP2986.
- 3.11.131 In accordance with DM 39-A-20-10-18-00A-691A-A and with reference to Figure 55 Wiring Diagram, mark wire as R4869E22N-S.
- 3.11.132 With reference to Figure 55 Wiring Diagram, cut n°1 wire P/N A556A-T22 of adequate length and lay it down between splice SP2985 and connector J2209.
- 3.11.133 With reference to Figure 55 Wiring Diagram, perform electrical connections of the wire to splice SP2985 and wires R4868C22-S (WH and BL) and R4870A22-S (WH and BL).
- 3.11.134 In accordance with DM 39-A-20-10-18-00A-691A-A and with reference to Figure 55 Wiring Diagram, mark wire as R4869B22-S.
- 3.11.135 With reference to Figure 56 Wiring Diagram, cut n°1 wire P/N A561A-T2-22 of adequate length and lay it down between connector PL61P2, connector J2211 and splice P/N M81824/1-1 (SP2987).
- 3.11.136 In accordance with DM 39-A-20-10-08-00A-622A-A and with reference to Figure 56 Wiring Diagram, perform electrical connections of the wire to connector PL61P2, connector J2211 and splice SP2987.
- 3.11.137 In accordance with DM 39-A-20-10-18-00A-691A-A and with reference to Figure 56 Wiring Diagram, mark wire as R4871A22-S (WH and BL).
- 3.11.138 With reference to Figure 56 Wiring Diagram, cut n°1 wire P/N A556A-T22 of adequate length and lay it down between splice SP2987 and connector J2211.
- 3.11.139 In accordance with DM 39-A-20-10-08-00A-622A-A and with reference to Figure 56 Wiring Diagram, perform electrical connections of the wire to splice SP2987 and connector J2211.
- 3.11.140 In accordance with DM 39-A-20-10-18-00A-691A-A and with reference to Figure 56 Wiring Diagram, mark wire as R4872A22-S.
- 3.11.141 With reference to Figure 56 Wiring Diagram, cut n°1 wire P/N A561A-T2-22 of adequate length and lay it down between connector PL61P2 and connector TB203P1.



- 3.11.142 In accordance with DM 39-A-20-10-08-00A-622A-A and with reference to Figure 56 Wiring Diagram, perform electrical connections of the wire to connector PL61P2 and connector TB203P1.
- 3.11.143 In accordance with DM 39-A-20-10-18-00A-691A-A and with reference to Figure 56 Wiring Diagram, mark wire as R4873A22-S (WH and BL).
- 3.11.144 With reference to Figure 56 Wiring Diagram, cut n°1 wire P/N A561A-T2-22 of adequate length and lay it down between connector TB203P1, connector J2211 and splice P/N M81824/1-1 (SP2988).
- 3.11.145 In accordance with DM 39-A-20-10-08-00A-622A-A and with reference to Figure 56 Wiring Diagram, perform electrical connections of the wire to connector TB203P1, connector J2211 and splice SP2988.
- 3.11.146 In accordance with DM 39-A-20-10-18-00A-691A-A and with reference to Figure 56 Wiring Diagram, mark wire as R4873B22-S (WH and BL).
- 3.11.147 With reference to Figure 56 Wiring Diagram, cut n°1 wire P/N A556A-T22 of adequate length and lay it down between splice SP2988 and connector J2211.
- 3.11.148 In accordance with DM 39-A-20-10-08-00A-622A-A and with reference to Figure 56 Wiring Diagram, perform electrical connections of the wire to splice SP2988 and connector J2211.
- 3.11.149 In accordance with DM 39-A-20-10-18-00A-691A-A and with reference to Figure 56 Wiring Diagram, mark wire as R4872D22-S.
- 3.11.150 With reference to Figure 56 Wiring Diagram, cut n°1 wire P/N A556A-T22 of adequate length and lay it down between splice SP2987 and splice SP2988.
- 3.11.151 In accordance with DM 39-A-20-10-08-00A-622A-A and with reference to Figure 56 Wiring Diagram, perform electrical connections of the wire to splice SP2987 and splice SP2988.
- 3.11.152 In accordance with DM 39-A-20-10-18-00A-691A-A and with reference to Figure 56 Wiring Diagram, mark wire as R4872C22-S.
- 3.11.153 With reference to Figure 56 Wiring Diagram, cut n°1 wire P/N A556A-T22 of adequate length and lay it down between connector TB293 and splice SP2988.
- 3.11.154 In accordance with DM 39-A-20-10-08-00A-622A-A and with reference to Figure 56 Wiring Diagram, perform electrical connections of the wire to connector TB293 and splice SP2988.
- 3.11.155 In accordance with DM 39-A-20-10-18-00A-691A-A and with reference to Figure 56 Wiring Diagram, mark wire as R4872E22N-S.

- 3.11.156 With reference to Figure 56 Wiring Diagram, cut n°1 wire P/N A556A-T22 of adequate length and lay it down between splice SP2988 and connector J2211.
- 3.11.157 With reference to Figure 56 Wiring Diagram, perform electrical connections of the wire to splice SP2988 and wires R4871A22-S (WH and BL) and R4873B22-S (WH and BL).
- 3.11.158 In accordance with DM 39-A-20-10-18-00A-691A-A and with reference to Figure 56 Wiring Diagram, mark wire as R4872B22-S.
- 3.11.159 With reference to Figure 56 Wiring Diagram, cut n°1 wire P/N A561A-T2-22 of adequate length and lay it down between connector PL61P2, connector J2213 and splice P/N M81824/1-1 (SP2990).
- 3.11.160 In accordance with DM 39-A-20-10-08-00A-622A-A and with reference to Figure 56 Wiring Diagram, perform electrical connections of the wire to connector PL61P2, connector J2213 and splice SP2990.
- 3.11.161 In accordance with DM 39-A-20-10-18-00A-691A-A and with reference to Figure 56 Wiring Diagram, mark wire as R4875A22-S (WH and BL).
- 3.11.162 With reference to Figure 56 Wiring Diagram, cut n°1 wire P/N A556A-T22 of adequate length and lay it down between splice SP2990 and connector J2213.
- 3.11.163 In accordance with DM 39-A-20-10-08-00A-622A-A and with reference to Figure 56 Wiring Diagram, perform electrical connections of the wire to splice SP2990 and connector J2213.
- 3.11.164 In accordance with DM 39-A-20-10-18-00A-691A-A and with reference to Figure 56 Wiring Diagram, mark wire as R4874D22-S.
- 3.11.165 With reference to Figure 56 Wiring Diagram, cut n°1 wire P/N A561A-T2-22 of adequate length and lay it down between connector TB203P1, connector J2213 and splice P/N M81824/1-1 (SP2989).
- 3.11.166 In accordance with DM 39-A-20-10-08-00A-622A-A and with reference to Figure 56 Wiring Diagram, perform electrical connections of the wire to connector TB203P1, connector J2213 and splice SP2989.
- 3.11.167 In accordance with DM 39-A-20-10-18-00A-691A-A and with reference to Figure 56 Wiring Diagram, mark wire as R4873C22-S (WH and BL).
- 3.11.168 With reference to Figure 56 Wiring Diagram, cut n°1 wire P/N A556A-T22 of adequate length and lay it down between splice SP2989 and connector J2213.



- 3.11.169 In accordance with DM 39-A-20-10-08-00A-622A-A and with reference to Figure 56 Wiring Diagram, perform electrical connections of the wire to splice SP2989 and connector J2213.
- 3.11.170 In accordance with DM 39-A-20-10-18-00A-691A-A and with reference to Figure 56 Wiring Diagram, mark wire as R4874A22-S.
- 3.11.171 With reference to Figure 56 Wiring Diagram, cut n°1 wire P/N A556A-T22 of adequate length and lay it down between splice SP2989 and splice SP2990.
- 3.11.172 In accordance with DM 39-A-20-10-08-00A-622A-A and with reference to Figure 56 Wiring Diagram, perform electrical connections of the wire to splice SP2989 and splice SP2990.
- 3.11.173 In accordance with DM 39-A-20-10-18-00A-691A-A and with reference to Figure 56 Wiring Diagram, mark wire as R4874C22-S.
- 3.11.174 With reference to Figure 56 Wiring Diagram, cut n°1 wire P/N A556A-T22 of adequate length and lay it down between connector TB293 and splice SP2990.
- 3.11.175 In accordance with DM 39-A-20-10-08-00A-622A-A and with reference to Figure 56 Wiring Diagram, perform electrical connections of the wire to connector TB293 and splice SP2990.
- 3.11.176 In accordance with DM 39-A-20-10-18-00A-691A-A and with reference to Figure 56 Wiring Diagram, mark wire as R4874E22N-S.
- 3.11.177 With reference to Figure 56 Wiring Diagram, cut n°1 wire P/N A556A-T22 of adequate length and lay it down between splice SP2989 and connector J2213.
- 3.11.178 With reference to Figure 56 Wiring Diagram, perform electrical connections of the wire to splice SP2989 and wires R4873C22-S (WH and BL) and R4875A22-S (WH and BL).
- 3.11.179 In accordance with DM 39-A-20-10-18-00A-691A-A and with reference to Figure 56 Wiring Diagram, mark wire as R4874B22-S.
- 3.11.180 With reference to Figures 54 thru 56, install n°12 ferrules P/N A590A02.
- 3.11.181 In accordance with DM 39-A-20-10-18-00A-691A-A, mark C/A as B2A549.
- 3.12 With reference to Figure 57 Wiring Diagram, assemble and lay down on the existing routes the ICS PAX AFT sockets C/A (B1A663) P/N 3G9B01A66309 as described in the following procedure:

- 3.12.1 With reference to Figure 57 Wiring Diagram, cut n°2 wires P/N A556A-T22 of adequate length and lay them down between connector PL60P1 and PTT radio S140.
- 3.12.2 In accordance with DM 39-A-20-10-08-00A-622A-A and with reference to Figure 57 Wiring Diagram, perform electrical connections of the wires to connector PL60P1 and PTT radio S140.
- 3.12.3 In accordance with DM 39-A-20-10-18-00A-691A-A and with reference to Figure 57 Wiring Diagram, mark wires as R4907A22-G and R4908A22-G.
- 3.12.4 With reference to Figure 57 Wiring Diagram, cut n°1 wire P/N A556A-T22 of adequate length and lay it down between PTT radio S140 and splice P/N M81824/1-1 (SP2973).
- 3.12.5 In accordance with DM 39-A-20-10-08-00A-622A-A and with reference to Figure 57 Wiring Diagram, perform electrical connections of the wire to PTT radio S140 and splice SP2973.
- 3.12.6 In accordance with DM 39-A-20-10-18-00A-691A-A and with reference to Figure 57 Wiring Diagram, mark wire as R4906C22-G.
- 3.12.7 With reference to Figure 57 Wiring Diagram, cut n°1 wire P/N A556A-T22 of adequate length and lay it down between splice SP2973 and connector J2135.
- 3.12.8 In accordance with DM 39-A-20-10-08-00A-622A-A and with reference to Figure 57 Wiring Diagram, perform electrical connections of the wire to splice SP2973 and connector J2135.
- 3.12.9 In accordance with DM 39-A-20-10-18-00A-691A-A and with reference to Figure 57 Wiring Diagram, mark wire as R4906A22-G.
- 3.12.10 With reference to Figure 57 Wiring Diagram, cut n°1 wire P/N A556A-T22 of adequate length and lay it down between splice SP2973 and connector J2137.
- 3.12.11 In accordance with DM 39-A-20-10-08-00A-622A-A and with reference to Figure 57 Wiring Diagram, perform electrical connections of the wire to splice SP2973 and connector J2137.
- 3.12.12 In accordance with DM 39-A-20-10-18-00A-691A-A and with reference to Figure 57 Wiring Diagram, mark wire as R4906B22-G.
- 3.12.13 With reference to Figure 57 Wiring Diagram, cut n°1 wire P/N A556A-T22 of adequate length and lay it down between connector TB297P1 and connector J2135.

- 3.12.14 In accordance with DM 39-A-20-10-08-00A-622A-A and with reference to Figure 57 Wiring Diagram, perform electrical connections of the wire to connector TB297P1 and connector J2135.
- 3.12.15 In accordance with DM 39-A-20-10-18-00A-691A-A and with reference to Figure 57 Wiring Diagram, mark wire as R4909A22-G.
- 3.12.16 With reference to Figure 57 Wiring Diagram, cut n°1 wire P/N A556A-T22 of adequate length and lay it down between connector TB297P1 and connector J2137.
- 3.12.17 In accordance with DM 39-A-20-10-08-00A-622A-A and with reference to Figure 57 Wiring Diagram, perform electrical connections of the wire to connector TB297P1 and connector J2137.
- 3.12.18 In accordance with DM 39-A-20-10-18-00A-691A-A and with reference to Figure 57 Wiring Diagram, mark wire as R4909B22-G.
- 3.12.19 In accordance with DM 39-A-20-10-18-00A-691A-A, mark C/A as B1A663.
- 3.13 With reference to Figure 57 Wiring Diagram thru Figure 60 Wiring Diagram, assemble and lay down on the existing routes the ICS PAX AFT sockets C/A (B2A551) P/N 3G9B02A55109 as described in the following procedure:
  - 3.13.1 With reference to Figure 57 Wiring Diagram, assemble the connector J2135 by means of n°1 electrical connector P/N MS3470L12-10S and n°1 backshell P/N A532A300-1203C.
  - 3.13.2 With reference to Figure 57 Wiring Diagram, assemble the connector J2137 by means of n°1 electrical connector P/N MS3470L12-10S and n°1 backshell P/N A532A300-1203C.
  - 3.13.3 With reference to Figure 58 Wiring Diagram, assemble the connector J2215 by means of n°1 electrical connector P/N 350781-1.
  - 3.13.4 With reference to Figure 58 Wiring Diagram, assemble the connector J2217 by means of n°1 electrical connector P/N 350781-1.
  - 3.13.5 With reference to Figure 59 Wiring Diagram, assemble the connector J2219 by means of n°1 electrical connector P/N 350781-1.
  - 3.13.6 With reference to Figure 59 Wiring Diagram, assemble the connector J2221 by means of n°1 electrical connector P/N 350781-1.
  - 3.13.7 With reference to Figure 60 Wiring Diagram, assemble the connector J2223 by means of n°1 electrical connector P/N 350781-1.
  - 3.13.8 With reference to Figure 67 Wiring Diagram, assemble the connector J2225 by means of n°1 electrical connector P/N 350781-1.

- 3.13.9 With reference to Figure 57 Wiring Diagram, cut n°1 wire P/N A561A-T2-22 of adequate length and lay it down between connector PL60P2, connector J2135 and splice P/N M81824/1-1 (SP2991).
- 3.13.10 In accordance with DM 39-A-20-10-08-00A-622A-A and with reference to Figure 57 Wiring Diagram, perform electrical connections of the wire to connector PL60P2, connector J2135 and splice SP2991.
- 3.13.11 In accordance with DM 39-A-20-10-18-00A-691A-A and with reference to Figure 57 Wiring Diagram, mark wire as R4900A22-S (WH and BL).
- 3.13.12 With reference to Figure 57 Wiring Diagram, cut n°1 wire P/N A556A-T22 of adequate length and lay it down between splice SP2991 and connector J2135.
- 3.13.13 In accordance with DM 39-A-20-10-08-00A-622A-A and with reference to Figure 57 Wiring Diagram, perform electrical connections of the wire to splice SP2991 and connector J2135.
- 3.13.14 In accordance with DM 39-A-20-10-18-00A-691A-A and with reference to Figure 57 Wiring Diagram, mark wire as R4901A22-S.
- 3.13.15 With reference to Figure 57 Wiring Diagram, cut n°1 wire P/N A561A-T2-22 of adequate length and lay it down between connector PL60P2, connector J2135 and splice P/N M81824/1-1 (SP2992).
- 3.13.16 In accordance with DM 39-A-20-10-08-00A-622A-A and with reference to Figure 57 Wiring Diagram, perform electrical connections of the wire to connector PL60P2, connector J2135 and splice SP2992.
- 3.13.17 In accordance with DM 39-A-20-10-18-00A-691A-A and with reference to Figure 57 Wiring Diagram, mark wire as R4902A22-S (WH and BL).
- 3.13.18 With reference to Figure 57 Wiring Diagram, cut n°1 wire P/N A556A-T22 of adequate length and lay it down between splice SP2991 and splice SP2992.
- 3.13.19 In accordance with DM 39-A-20-10-08-00A-622A-A and with reference to Figure 57 Wiring Diagram, perform electrical connections of the wire to splice SP2991 and splice SP2992.
- 3.13.20 In accordance with DM 39-A-20-10-18-00A-691A-A and with reference to Figure 57 Wiring Diagram, mark wire as R4901B22-S.
- 3.13.21 With reference to Figure 57 Wiring Diagram, cut n°1 wire P/N A556A-T22 of adequate length and lay it down between connector TB295 and splice SP2992.

- 3.13.22 In accordance with DM 39-A-20-10-08-00A-622A-A and with reference to Figure 57 Wiring Diagram, perform electrical connections of the wire to connector TB295 and splice SP2992.
- 3.13.23 In accordance with DM 39-A-20-10-18-00A-691A-A and with reference to Figure 57 Wiring Diagram, mark wire as R4901D22N-S.
- 3.13.24 With reference to Figure 57 Wiring Diagram, cut n°1 wire P/N A561A-T2-22 of adequate length and lay it down between connector PL60P2, connector J2137 and splice P/N M81824/1-1 (SP2993).
- 3.13.25 In accordance with DM 39-A-20-10-08-00A-622A-A and with reference to Figure 57 Wiring Diagram, perform electrical connections of the wire to connector PL60P2, connector J2137 and splice SP2993.
- 3.13.26 In accordance with DM 39-A-20-10-18-00A-691A-A and with reference to Figure 57 Wiring Diagram, mark wire as R4903A22-S (WH and BL).
- 3.13.27 With reference to Figure 57 Wiring Diagram, cut n°1 wire P/N A556A-T22 of adequate length and lay it down between splice SP2993 and connector J2137.
- 3.13.28 In accordance with DM 39-A-20-10-08-00A-622A-A and with reference to Figure 57 Wiring Diagram, perform electrical connections of the wire to splice SP2993 and connector J2137.
- 3.13.29 In accordance with DM 39-A-20-10-18-00A-691A-A and with reference to Figure 57 Wiring Diagram, mark wire as R4904A22-S.
- 3.13.30 With reference to Figure 57 Wiring Diagram, cut n°1 wire P/N A561A-T2-22 of adequate length and lay it down between connector PL60P2, connector J21357 and splice P/N M81824/1-1 (SP2994).
- 3.13.31 In accordance with DM 39-A-20-10-08-00A-622A-A and with reference to Figure 57 Wiring Diagram, perform electrical connections of the wire to connector PL60P2, connector J2137 and splice SP2994.
- 3.13.32 In accordance with DM 39-A-20-10-18-00A-691A-A and with reference to Figure 57 Wiring Diagram, mark wire as R4905A22-S (WH and BL).
- 3.13.33 With reference to Figure 57 Wiring Diagram, cut n°1 wire P/N A556A-T22 of adequate length and lay it down between splice SP2993 and splice SP2994.
- 3.13.34 In accordance with DM 39-A-20-10-08-00A-622A-A and with reference to Figure 57 Wiring Diagram, perform electrical connections of the wire to splice SP2993 and splice SP2994.
- 3.13.35 In accordance with DM 39-A-20-10-18-00A-691A-A and with reference to Figure 57 Wiring Diagram, mark wire as R4904B22-S.

- 3.13.36 With reference to Figure 57 Wiring Diagram, cut n°1 wire P/N A556A-T22 of adequate length and lay it down between connector TB295 and splice SP2994.
- 3.13.37 In accordance with DM 39-A-20-10-08-00A-622A-A and with reference to Figure 57 Wiring Diagram, perform electrical connections of the wire to connector TB295 and splice SP2994.
- 3.13.38 In accordance with DM 39-A-20-10-18-00A-691A-A and with reference to Figure 57 Wiring Diagram, mark wire as R4904D22N-S.
- 3.13.39 With reference to Figure 58 Wiring Diagram, cut n°1 wire P/N A561A-T2-22 of adequate length and lay it down between connector PL60P2, connector J2215 and splice P/N M81824/1-1 (SP2995).
- 3.13.40 In accordance with DM 39-A-20-10-08-00A-622A-A and with reference to Figure 58 Wiring Diagram, perform electrical connections of the wire to PL60P2, connector J2215 and splice SP2995.
- 3.13.41 In accordance with DM 39-A-20-10-18-00A-691A-A and with reference to Figure 58 Wiring Diagram, mark wire as R4911A22-S (WH and BL).
- 3.13.42 With reference to Figure 58 Wiring Diagram, cut n°1 wire P/N A556A-T22 of adequate length and lay it down between splice SP2995 and connector J2215.
- 3.13.43 In accordance with DM 39-A-20-10-08-00A-622A-A and with reference to Figure 58 Wiring Diagram, perform electrical connections of the wire to splice SP2995 and connector J2215.
- 3.13.44 In accordance with DM 39-A-20-10-18-00A-691A-A and with reference to Figure 58 Wiring Diagram, mark wire as R4912A22-S.
- 3.13.45 With reference to Figure 58 Wiring Diagram, cut n°1 wire P/N A561A-T2-22 of adequate length and lay it down between connector PL60P2 and connector TB2211-2.
- 3.13.46 In accordance with DM 39-A-20-10-08-00A-622A-A and with reference to Figure 58 Wiring Diagram, perform electrical connections of the wire to connector PL60P2 and connector TB2211-2.
- 3.13.47 In accordance with DM 39-A-20-10-18-00A-691A-A and with reference to Figure 58 Wiring Diagram, mark wire as R4913A22-S (WH and BL).
- 3.13.48 With reference to Figure 58 Wiring Diagram, cut n°1 wire P/N A556A-T22 of adequate length and lay it down between connector TB2211-2 and connector TB2211-2.



- 3.13.49 With reference to Figure 58 Wiring Diagram, perform electrical connections of the wire to connector TB2211-2 and wire R4913A22-S (WH and BL).
- 3.13.50 In accordance with DM 39-A-20-10-18-00A-691A-A and with reference to Figure 58 Wiring Diagram, mark wire as R4916C22-S.
- 3.13.51 With reference to Figure 58 Wiring Diagram, cut n°1 wire P/N A561A-T2-22 of adequate length and lay it down between connector TB2211-2, connector J2215 and splice P/N M81824/1-1 (SP2996).
- 3.13.52 In accordance with DM 39-A-20-10-08-00A-622A-A and with reference to Figure 58 Wiring Diagram, perform electrical connections of the wire to TB2211-2, connector J2215 and splice SP2996.
- 3.13.53 In accordance with DM 39-A-20-10-18-00A-691A-A and with reference to Figure 58 Wiring Diagram, mark wire as R4913B22-S (WH and BL).
- 3.13.54 With reference to Figure 58 Wiring Diagram, cut n°1 wire P/N A556A-T22 of adequate length and lay it down between splice SP2995 and splice SP2996.
- 3.13.55 In accordance with DM 39-A-20-10-08-00A-622A-A and with reference to Figure 58 Wiring Diagram, perform electrical connections of the wire to splice SP2995 and splice SP2996.
- 3.13.56 In accordance with DM 39-A-20-10-18-00A-691A-A and with reference to Figure 58 Wiring Diagram, mark wire as R4912C22-S.
- 3.13.57 With reference to Figure 58 Wiring Diagram, cut n°1 wire P/N A556A-T22 of adequate length and lay it down between connector TB295 and splice SP2996.
- 3.13.58 In accordance with DM 39-A-20-10-08-00A-622A-A and with reference to Figure 58 Wiring Diagram, perform electrical connections of the wire to connector TB295 and splice SP2996.
- 3.13.59 In accordance with DM 39-A-20-10-18-00A-691A-A and with reference to Figure 58 Wiring Diagram, mark wire as R4912E22N-S.
- 3.13.60 With reference to Figure 58 Wiring Diagram, cut n°1 wire P/N A556A-T22 of adequate length and lay it down between splice SP2995 and connector J2215.
- 3.13.61 With reference to Figure 58 Wiring Diagram, perform electrical connections of the wire to splice SP2995 and wires R4911A22-S (WH and BL) and R4913B22-S (WH and BL).
- 3.13.62 In accordance with DM 39-A-20-10-18-00A-691A-A and with reference to Figure 58 Wiring Diagram, mark wire as R4912B22-S.

- 3.13.63 With reference to Figure 58 Wiring Diagram, cut n°1 wire P/N A561A-T2-22 of adequate length and lay it down between connector TB2211-2, connector J2217 and splice P/N M81824/1-1 (SP2997)
- 3.13.64 In accordance with DM 39-A-20-10-08-00A-622A-A and with reference to Figure 58 Wiring Diagram, perform electrical connections of the wire to connector TB2211-2, connector J2217 and splice SP2997.
- 3.13.65 In accordance with DM 39-A-20-10-18-00A-691A-A and with reference to Figure 58 Wiring Diagram, mark wire as R4913C22-S (WH and BL).
- 3.13.66 With reference to Figure 58 Wiring Diagram, cut n°1 wire P/N A556A-T22 of adequate length and lay it down between splice SP2997 and connector J2217.
- 3.13.67 In accordance with DM 39-A-20-10-08-00A-622A-A and with reference to Figure 58 Wiring Diagram, perform electrical connections of the wire to splice SP2997 and connector J2217.
- 3.13.68 In accordance with DM 39-A-20-10-18-00A-691A-A and with reference to Figure 58 Wiring Diagram, mark wire as R4914A22-S.
- 3.13.69 With reference to Figure 58 Wiring Diagram, cut n°1 wire P/N A556A-T22 of adequate length and lay it down between connector TB2211-2 and connector TB2211-2.
- 3.13.70 With reference to Figure 58 Wiring Diagram, perform electrical connections of the wire to connector TB2211-2 and wire R4913B22-S (WH and BL).
- 3.13.71 In accordance with DM 39-A-20-10-18-00A-691A-A and with reference to Figure 58 Wiring Diagram, mark wire as R4916A22-S.
- 3.13.72 With reference to Figure 58 Wiring Diagram, cut n°1 wire P/N A556A-T22 of adequate length and lay it down between connector TB2211-2 and connector TB2211-2.
- 3.13.73 With reference to Figure 58 Wiring Diagram, perform electrical connections of the wire to connector TB2211-2 and wire R4913C22-S (WH and BL).
- 3.13.74 In accordance with DM 39-A-20-10-18-00A-691A-A and with reference to Figure 58 Wiring Diagram, mark wire as R4916B22-S.
- 3.13.75 With reference to Figure 58 Wiring Diagram, cut n°1 wire P/N A561A-T2-22 of adequate length and lay it down between connector PL60P2, connector J2217 and splice P/N M81824/1-1 (SP2998).



- 3.13.76 In accordance with DM 39-A-20-10-08-00A-622A-A and with reference to Figure 58 Wiring Diagram, perform electrical connections of the wire to connector PL60P2, connector J2217 and splice SP2998.
- 3.13.77 In accordance with DM 39-A-20-10-18-00A-691A-A and with reference to Figure 58 Wiring Diagram, mark wire as R4915A22-S (WH and BL).
- 3.13.78 With reference to Figure 58 Wiring Diagram, cut n°1 wire P/N A556A-T22 of adequate length and lay it down between splice SP2998 and connector J2217.
- 3.13.79 In accordance with DM 39-A-20-10-08-00A-622A-A and with reference to Figure 58 Wiring Diagram, perform electrical connections of the wire to splice SP2998 and connector J2217.
- 3.13.80 In accordance with DM 39-A-20-10-18-00A-691A-A and with reference to Figure 58 Wiring Diagram, mark wire as R4914D22-S.
- 3.13.81 With reference to Figure 58 Wiring Diagram, cut n°1 wire P/N A556A-T22 of adequate length and lay it down between splice SP2997 and splice SP2998.
- 3.13.82 In accordance with DM 39-A-20-10-08-00A-622A-A and with reference to Figure 58 Wiring Diagram, perform electrical connections of the wire to splice SP2997 and splice SP2998.
- 3.13.83 In accordance with DM 39-A-20-10-18-00A-691A-A and with reference to Figure 58 Wiring Diagram, mark wire as R4914C22-S.
- 3.13.84 With reference to Figure 58 Wiring Diagram, cut n°1 wire P/N A556A-T22 of adequate length and lay it down between connector TB295 and splice SP2998.
- 3.13.85 In accordance with DM 39-A-20-10-08-00A-622A-A and with reference to Figure 58 Wiring Diagram, perform electrical connections of the wire to connector TB295 and splice SP2998.
- 3.13.86 In accordance with DM 39-A-20-10-18-00A-691A-A and with reference to Figure 58 Wiring Diagram, mark wire as R4914E22N-S.
- 3.13.87 With reference to Figure 58 Wiring Diagram, cut n°1 wire P/N A556A-T22 of adequate length and lay it down between splice SP2997 and connector J2217.
- 3.13.88 With reference to Figure 58 Wiring Diagram, perform electrical connections of the wire to splice SP2997 and wires R4913C22-S (WH and BL) and R4915A22-S (WH and BL).
- 3.13.89 In accordance with DM 39-A-20-10-18-00A-691A-A and with reference to Figure 58 Wiring Diagram, mark wire as R4914B22-S.

- 3.13.90 With reference to Figure 59 Wiring Diagram, cut n°1 wire P/N A561A-T2-22 of adequate length and lay it down between connector PL60P2, connector J2219 and splice P/N M81824/1-1 (SP2999).
- 3.13.91 In accordance with DM 39-A-20-10-08-00A-622A-A and with reference to Figure 59 Wiring Diagram, perform electrical connections of the wire to PL60P2, connector J2219 and splice SP2999.
- 3.13.92 In accordance with DM 39-A-20-10-18-00A-691A-A and with reference to Figure 59 Wiring Diagram, mark wire as R4917A22-S (WH and BL).
- 3.13.93 With reference to Figure 59 Wiring Diagram, cut n°1 wire P/N A556A-T22 of adequate length and lay it down between splice SP2999 and connector J2219.
- 3.13.94 In accordance with DM 39-A-20-10-08-00A-622A-A and with reference to Figure 59 Wiring Diagram, perform electrical connections of the wire to splice SP2999 and connector J2219.
- 3.13.95 In accordance with DM 39-A-20-10-18-00A-691A-A and with reference to Figure 59 Wiring Diagram, mark wire as R4918A22-S.
- 3.13.96 With reference to Figure 59 Wiring Diagram, cut n°1 wire P/N A561A-T2-22 of adequate length and lay it down between connector PL60P2 and connector TB2211-2.
- 3.13.97 In accordance with DM 39-A-20-10-08-00A-622A-A and with reference to Figure 59 Wiring Diagram, perform electrical connections of the wire to connector PL60P2 and connector TB2211-2.
- 3.13.98 In accordance with DM 39-A-20-10-18-00A-691A-A and with reference to Figure 59 Wiring Diagram, mark wire as R4919A22-S (WH and BL).
- 3.13.99 With reference to Figure 59 Wiring Diagram, cut n°1 wire P/N A556A-T22 of adequate length and lay it down between connector TB2211-2 and connector TB2211-2.
- 3.13.100 With reference to Figure 59 Wiring Diagram, perform electrical connections of the wire to connector TB2211-2 and wire R4919A22-S (WH and BL).
- 3.13.101 In accordance with DM 39-A-20-10-18-00A-691A-A and with reference to Figure 59 Wiring Diagram, mark wire as R4922C22-S.
- 3.13.102 With reference to Figure 59 Wiring Diagram, cut n°1 wire P/N A561A-T2-22 of adequate length and lay it down between connector TB2211-2, connector J2219 and splice P/N M81824/1-1 (SP20000).

- 3.13.103 In accordance with DM 39-A-20-10-08-00A-622A-A and with reference to Figure 59 Wiring Diagram, perform electrical connections of the wire to connector TB2211-2, connector J2219 and splice SP20000.
- 3.13.104 In accordance with DM 39-A-20-10-18-00A-691A-A and with reference to Figure 59 Wiring Diagram, mark wire as R4919B22-S (WH and BL).
- 3.13.105 With reference to Figure 59 Wiring Diagram, cut n°1 wire P/N A556A-T22 of adequate length and lay it down between splice SP2999 and splice SP20000.
- 3.13.106 In accordance with DM 39-A-20-10-08-00A-622A-A and with reference to Figure 59 Wiring Diagram, perform electrical connections of the wire to splice SP2999 and splice SP20000.
- 3.13.107 In accordance with DM 39-A-20-10-18-00A-691A-A and with reference to Figure 59 Wiring Diagram, mark wire as R4918C22-S.
- 3.13.108 With reference to Figure 59 Wiring Diagram, cut n°1 wire P/N A556A-T22 of adequate length and lay it down between connector TB295 and splice SP20000.
- 3.13.109 In accordance with DM 39-A-20-10-08-00A-622A-A and with reference to Figure 59 Wiring Diagram, perform electrical connections of the wire to connector TB295 and splice SP20000.
- 3.13.110 In accordance with DM 39-A-20-10-18-00A-691A-A and with reference to Figure 59 Wiring Diagram, mark wire as R4918E22N-S.
- 3.13.111 With reference to Figure 59 Wiring Diagram, cut n°1 wire P/N A556A-T22 of adequate length and lay it down between splice SP2999 and connector J2219.
- 3.13.112 With reference to Figure 59 Wiring Diagram, perform electrical connections of the wire to splice SP2999 and wires R4917A22-S (WH and BL) and R4919A22-S (WH and BL).
- 3.13.113 In accordance with DM 39-A-20-10-18-00A-691A-A and with reference to Figure 59 Wiring Diagram, mark wire as R4918B22-S.
- 3.13.114 With reference to Figure 59 Wiring Diagram, cut n°1 wire P/N A561A-T2-22 of adequate length and lay it down between connector TB2211-2, connector J2221 and splice P/N M81824/1-1 (SP20001).
- 3.13.115 In accordance with DM 39-A-20-10-08-00A-622A-A and with reference to Figure 58 Wiring Diagram, perform electrical connections of the wire to connector TB2211-2, connector J2221 and splice SP20001.
- 3.13.116 In accordance with DM 39-A-20-10-18-00A-691A-A and with reference to Figure 59 Wiring Diagram, mark wire as R4919C22-S (WH and BL).

- 3.13.117 With reference to Figure 59 Wiring Diagram, cut n°1 wire P/N A556A-T22 of adequate length and lay it down between splice SP20001 and connector J2221.
- 3.13.118 In accordance with DM 39-A-20-10-08-00A-622A-A and with reference to Figure 59 Wiring Diagram, perform electrical connections of the wire to splice SP20001 and connector J2221.
- 3.13.119 In accordance with DM 39-A-20-10-18-00A-691A-A and with reference to Figure 59 Wiring Diagram, mark wire as R4920A22-S.
- 3.13.120 With reference to Figure 59 Wiring Diagram, cut n°1 wire P/N A556A-T22 of adequate length and lay it down between connector TB2211-2 and connector TB2211-2.
- 3.13.121 With reference to Figure 59 Wiring Diagram, perform electrical connections of the wire to connector TB2211-2 and wire R4919B22-S (WH and BL).
- 3.13.122 In accordance with DM 39-A-20-10-18-00A-691A-A and with reference to Figure 59 Wiring Diagram, mark wire as R4922A22-S.
- 3.13.123 With reference to Figure 59 Wiring Diagram, cut n°1 wire P/N A556A-T22 of adequate length and lay it down between connector TB2211-2 and connector TB2211-2.
- 3.13.124 With reference to Figure 59 Wiring Diagram, perform electrical connections of the wire to connector TB2211-2 and wire R4919C22-S (WH and BL).
- 3.13.125 In accordance with DM 39-A-20-10-18-00A-691A-A and with reference to Figure 59 Wiring Diagram, mark wire as R4922B22-S.
- 3.13.126 With reference to Figure 59 Wiring Diagram, cut n°1 wire P/N A561A-T2-22 of adequate length and lay it down between connector PL60P2, connector J2221 and splice P/N M81824/1-1 (SP20002).
- 3.13.127 In accordance with DM 39-A-20-10-08-00A-622A-A and with reference to Figure 59 Wiring Diagram, perform electrical connections of the wire to connector PL60P2, connector J2221 and splice SP20002.
- 3.13.128 In accordance with DM 39-A-20-10-18-00A-691A-A and with reference to Figure 59 Wiring Diagram, mark wire as R4921A22-S (WH and BL).
- 3.13.129 With reference to Figure 59 Wiring Diagram, cut n°1 wire P/N A556A-T22 of adequate length and lay it down between splice SP20002 and connector J2221.

- 3.13.130 In accordance with DM 39-A-20-10-08-00A-622A-A and with reference to Figure 59 Wiring Diagram, perform electrical connections of the wire to splice SP2002 and connector J2221.
- 3.13.131 In accordance with DM 39-A-20-10-18-00A-691A-A and with reference to Figure 59 Wiring Diagram, mark wire as R4920D22-S.
- 3.13.132 With reference to Figure 59 Wiring Diagram, cut n°1 wire P/N A556A-T22 of adequate length and lay it down between splice SP20001 and splice SP20002.
- 3.13.133 In accordance with DM 39-A-20-10-08-00A-622A-A and with reference to Figure 59 Wiring Diagram, perform electrical connections of the wire to splice SP20001 and splice SP20002.
- 3.13.134 In accordance with DM 39-A-20-10-18-00A-691A-A and with reference to Figure 59 Wiring Diagram, mark wire as R4920C22-S.
- 3.13.135 With reference to Figure 59 Wiring Diagram, cut n°1 wire P/N A556A-T22 of adequate length and lay it down between connector TB295 and splice SP20002.
- 3.13.136 In accordance with DM 39-A-20-10-08-00A-622A-A and with reference to Figure 59 Wiring Diagram, perform electrical connections of the wire to connector TB295 and splice SP20002.
- 3.13.137 In accordance with DM 39-A-20-10-18-00A-691A-A and with reference to Figure 59 Wiring Diagram, mark wire as R4920E22N-S.
- 3.13.138 With reference to Figure 59 Wiring Diagram, cut n°1 wire P/N A556A-T22 of adequate length and lay it down between splice SP20001 and connector J2221.
- 3.13.139 With reference to Figure 59 Wiring Diagram, perform electrical connections of the wire to splice SP20001 and wires R4919C22-S (WH and BL) and R4921A22-S (WH and BL).
- 3.13.140 In accordance with DM 39-A-20-10-18-00A-691A-A and with reference to Figure 59 Wiring Diagram, mark wire as R4920B22-S.
- 3.13.141 With reference to Figure 60 Wiring Diagram, cut n°1 wire P/N A561A-T2-22 of adequate length and lay it down between connector PL60P2, connector J2223 and splice P/N M81824/1-1 (SP20003).
- 3.13.142 In accordance with DM 39-A-20-10-08-00A-622A-A and with reference to Figure 60 Wiring Diagram, perform electrical connections of the wire to PL60P2, connector J2223 and splice SP20003.
- 3.13.143 In accordance with DM 39-A-20-10-18-00A-691A-A and with reference to Figure 60 Wiring Diagram, mark wire as R4923A22-S (WH and BL).

- 3.13.144 With reference to Figure 60 Wiring Diagram, cut n°1 wire P/N A556A-T22 of adequate length and lay it down between splice SP20003 and connector J2223.
- 3.13.145 In accordance with DM 39-A-20-10-08-00A-622A-A and with reference to Figure 60 Wiring Diagram, perform electrical connections of the wire to splice SP20003 and connector J2223.
- 3.13.146 In accordance with DM 39-A-20-10-18-00A-691A-A and with reference to Figure 60 Wiring Diagram, mark wire as R4924A22-S.
- 3.13.147 With reference to Figure 60 Wiring Diagram, cut n°1 wire P/N A561A-T2-22 of adequate length and lay it down between connector PL60P2 and connector TB2211-2.
- 3.13.148 In accordance with DM 39-A-20-10-08-00A-622A-A and with reference to Figure 60 Wiring Diagram, perform electrical connections of the wire to connector PL60P2 and connector TB2211-2.
- 3.13.149 In accordance with DM 39-A-20-10-18-00A-691A-A and with reference to Figure 60 Wiring Diagram, mark wire as R4925A22-S (WH and BL).
- 3.13.150 With reference to Figure 60 Wiring Diagram, cut n°1 wire P/N A556A-T22 of adequate length and lay it down between connector TB2211-2 and connector TB2211-2.
- 3.13.151 With reference to Figure 60 Wiring Diagram, perform electrical connections of the wire to connector TB2211-2 and wire R4925A22-S (WH and BL).
- 3.13.152 In accordance with DM 39-A-20-10-18-00A-691A-A and with reference to Figure 60 Wiring Diagram, mark wire as R4928C22-S.
- 3.13.153 With reference to Figure 60 Wiring Diagram, cut n°1 wire P/N A561A-T2-22 of adequate length and lay it down between connector TB2211-2, connector J2223 and splice P/N M81824/1-1 (SP20004).
- 3.13.154 In accordance with DM 39-A-20-10-08-00A-622A-A and with reference to Figure 60 Wiring Diagram, perform electrical connections of the wire to connector TB2211-2, connector J2223 and splice SP20004.
- 3.13.155 In accordance with DM 39-A-20-10-18-00A-691A-A and with reference to Figure 60 Wiring Diagram, mark wire as R4925B22-S (WH and BL).
- 3.13.156 With reference to Figure 60 Wiring Diagram, cut n°1 wire P/N A556A-T22 of adequate length and lay it down between splice SP20003 and splice SP20004.



- 3.13.157 In accordance with DM 39-A-20-10-08-00A-622A-A and with reference to Figure 60 Wiring Diagram, perform electrical connections of the wire to splice SP20003 and splice SP20004.
- 3.13.158 In accordance with DM 39-A-20-10-18-00A-691A-A and with reference to Figure 60 Wiring Diagram, mark wire as R4924C22-S.
- 3.13.159 With reference to Figure 60 Wiring Diagram, cut n°1 wire P/N A556A-T22 of adequate length and lay it down between connector TB295 and splice SP20004.
- 3.13.160 In accordance with DM 39-A-20-10-08-00A-622A-A and with reference to Figure 60 Wiring Diagram, perform electrical connections of the wire to connector TB295 and splice SP20004.
- 3.13.161 In accordance with DM 39-A-20-10-18-00A-691A-A and with reference to Figure 60 Wiring Diagram, mark wire as R4924E22N-S.
- 3.13.162 With reference to Figure 60 Wiring Diagram, cut n°1 wire P/N A556A-T22 of adequate length and lay it down between splice SP20003 and connector J2223.
- 3.13.163 With reference to Figure 60 Wiring Diagram, perform electrical connections of the wire to splice SP20003 and wires R4923A22-S (WH and BL) and R4925B22-S (WH and BL).
- 3.13.164 In accordance with DM 39-A-20-10-18-00A-691A-A and with reference to Figure 60 Wiring Diagram, mark wire as R4924B22-S.
- 3.13.165 With reference to Figure 60 Wiring Diagram, cut n°1 wire P/N A561A-T2-22 of adequate length and lay it down between connector TB2211-2, connector J2225 and splice P/N M81824/1-1 (SP20005).
- 3.13.166 In accordance with DM 39-A-20-10-08-00A-622A-A and with reference to Figure 60 Wiring Diagram, perform electrical connections of the wire to connector TB2211-2, connector J2225 and splice SP20005.
- 3.13.167 In accordance with DM 39-A-20-10-18-00A-691A-A and with reference to Figure 60 Wiring Diagram, mark wire as R4925C22-S (WH and BL).
- 3.13.168 With reference to Figure 60 Wiring Diagram, cut n°1 wire P/N A556A-T22 of adequate length and lay it down between splice SP20005 and connector J2225.
- 3.13.169 In accordance with DM 39-A-20-10-08-00A-622A-A and with reference to Figure 60 Wiring Diagram, perform electrical connections of the wire to splice SP20005 and connector J2225.
- 3.13.170 In accordance with DM 39-A-20-10-18-00A-691A-A and with reference to Figure 60 Wiring Diagram, mark wire as R4926A22-S.

- 3.13.171 With reference to Figure 60 Wiring Diagram, cut n°1 wire P/N A556A-T22 of adequate length and lay it down between connector TB2211-2 and connector TB2211-2.
- 3.13.172 With reference to Figure 60 Wiring Diagram, perform electrical connections of the wire to connector TB2211-2 and wire R4925B22-S (WH and BL).
- 3.13.173 In accordance with DM 39-A-20-10-18-00A-691A-A and with reference to Figure 60 Wiring Diagram, mark wire as R4928A22-S.
- 3.13.174 With reference to Figure 60 Wiring Diagram, cut n°1 wire P/N A556A-T22 of adequate length and lay it down between connector TB2211-2 and connector TB2211-2.
- 3.13.175 With reference to Figure 60 Wiring Diagram, perform electrical connections of the wire to connector TB2211-2 and wire R4925C22-S (WH and BL).
- 3.13.176 In accordance with DM 39-A-20-10-18-00A-691A-A and with reference to Figure 60 Wiring Diagram, mark wire as R4928B22-S.
- 3.13.177 With reference to Figure 60 Wiring Diagram, cut n°1 wire P/N A561A-T2-22 of adequate length and lay it down between connector PL60P2, connector J2225 and splice P/N M81824/1-1 (SP20006).
- 3.13.178 In accordance with DM 39-A-20-10-08-00A-622A-A and with reference to Figure 60 Wiring Diagram, perform electrical connections of the wire to connector PL60P2, connector J2225 and splice SP20006.
- 3.13.179 In accordance with DM 39-A-20-10-18-00A-691A-A and with reference to Figure 60 Wiring Diagram, mark wire as R4927A22-S (WH and BL).
- 3.13.180 With reference to Figure 60 Wiring Diagram, cut n°1 wire P/N A556A-T22 of adequate length and lay it down between connector PL60P2 and connector PL60P2.
- 3.13.181 With reference to Figure 60 Wiring Diagram, perform electrical connections of the wire to splice PL60P2 and wires R4923A22-S (WH and BL), R4925A22-S (WH and BL) and R4927A22-S (WH and BL) by means of n°1 terminal lug P/N MS25036-148.
- 3.13.182 In accordance with DM 39-A-20-10-18-00A-691A-A and with reference to Figure 60 Wiring Diagram, mark wire as R6361A22N-S.
- 3.13.183 With reference to Figure 60 Wiring Diagram, cut n°1 wire P/N A556A-T22 of adequate length and lay it down between splice SP20006 and connector J2225.



- 3.13.184 In accordance with DM 39-A-20-10-08-00A-622A-A and with reference to Figure 60 Wiring Diagram, perform electrical connections of the wire to splice SP2006 and connector J2225.
- 3.13.185 In accordance with DM 39-A-20-10-18-00A-691A-A and with reference to Figure 60 Wiring Diagram, mark wire as R4926D22-S.
- 3.13.186 With reference to Figure 60 Wiring Diagram, cut n°1 wire P/N A556A-T22 of adequate length and lay it down between splice SP20005 and splice SP20006.
- 3.13.187 In accordance with DM 39-A-20-10-08-00A-622A-A and with reference to Figure 60 Wiring Diagram, perform electrical connections of the wire to splice SP20005 and splice SP20006.
- 3.13.188 In accordance with DM 39-A-20-10-18-00A-691A-A and with reference to Figure 60 Wiring Diagram, mark wire as R4926C22-S.
- 3.13.189 With reference to Figure 60 Wiring Diagram, cut n°1 wire P/N A556A-T22 of adequate length and lay it down between connector TB295 and splice SP20006.
- 3.13.190 In accordance with DM 39-A-20-10-08-00A-622A-A and with reference to Figure 60 Wiring Diagram, perform electrical connections of the wire to connector TB295 and splice SP20006.
- 3.13.191 In accordance with DM 39-A-20-10-18-00A-691A-A and with reference to Figure 60 Wiring Diagram, mark wire as R4926E22N-S.
- 3.13.192 With reference to Figure 60 Wiring Diagram, cut n°1 wire P/N A556A-T22 of adequate length and lay it down between splice SP20005 and connector J2225.
- 3.13.193 With reference to Figure 60 Wiring Diagram, perform electrical connections of the wire to splice SP20005 and wires R4925C22-S (WH and BL) and R4927A22-S (WH and BL).
- 3.13.194 In accordance with DM 39-A-20-10-18-00A-691A-A and with reference to Figure 60 Wiring Diagram, mark wire as R4926B22-S.
- 3.13.195 With reference to Figures 57 thru 60, install n°34 ferrules P/N A590A02.
- 3.13.196 In accordance with DM 39-A-20-10-18-00A-691A-A, mark C/A as B2A551.
- 3.14 With reference to Figures 34 thru 42, secure the cable assemblies laid down at the previous step by means of the existing hardware and lacing cords.
- 3.15 With reference to Figure 37 View A, install the clamp P/N AW001CB10H on the C/A B2A549 and the clamp P/N AW001CB02H on the C/A B1A661 by means of n°2 nuts P/N MS21042L3, n°3 washers P/N NAS1149D0332J, the spacer

P/N AS43DD3-40, the screw P/N NAS1802-3-20 and the bracket P/N MS9592-054.

- 3.16 With reference to Figure 37 View A, install the clamp P/N AW001CB09H on the C/A B2A551 and the C/A B2A703 by means of the spacer P/N NAS43DD3-40N, the nut P/N MS21043-3 and the washer P/N NAS1149D0332J.
- 3.17 With reference to Figure 37 View A, install the clamp P/N AW001CB04H on the C/A B1A883 and on the C/A B1A663 and the clamp P/N AW001CB17H on the C/A B2A703 and on C/A B2A551 by means of the spacer P/N NAS43DD3-40N, the nut P/N MS21043-3 and the washer P/N NAS1149D0332J.
- 3.18 With reference to Figure 37 View A, install n°3 clamps P/N AW001CB04H on the C/A B1A883 and the C/A B1A663 and n°3 clamps P/N AW001CB17H on the C/A B2A703 and the C/A B2A551 by means of n°3 spacers P/N NAS43DD3-20N, n°3 nuts P/N MS21043-3 and n°3 washers P/N NAS1149D0332J.

#### 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.

4. Modify the overhead Auxiliary C/B panel as described in the following procedure:
  - 4.1 With reference to AMP DM 39-A-24-91-04-00A-920A-K, remove from the overhead C/B panel the existing integrally-lighted panel and install the new integrally-lighted panel P/N 3G2490LXXXXX.
  - 4.2 Install n°1 circuit breaker P/N MS3320-5 (CB209) in the indicated position on the new integrally-lighted panel P/N 3G2490LXXXXX; in accordance with DM 39-A-11-00-01-00A-720A-A apply decal P/N ED300CB209 in an adjacent area.
  - 4.3 Install n°1 circuit breaker P/N MS3320-5 (CB210) in the indicated position on the new integrally-lighted panel P/N 3G2490LXXXXX; in accordance with DM 39-A-11-00-01-00A-720A-A apply decal P/N ED300CB210 in an adjacent area.
  - 4.4 Perform the electrical connection between pin 2 of CB209 and pin i of connector PL1P3 by means of A556A-T20 wire. Use n°1 electrical contact P/N MS25036-149 for pin 2 of the CB209 and n°1 electrical contact P/N M39029/56-351 for pin i of PL1P3.
  - 4.5 Perform the electrical connection between pin 2 of CB210 and pin Y of connector

PLP1 by means of A556A-T20 wire. Use n°1 electrical contact P/N MS25036-153 for pin 2 of CB210 and n°1 electrical contact P/N M39029/56-352 for pin J of PL1P1.

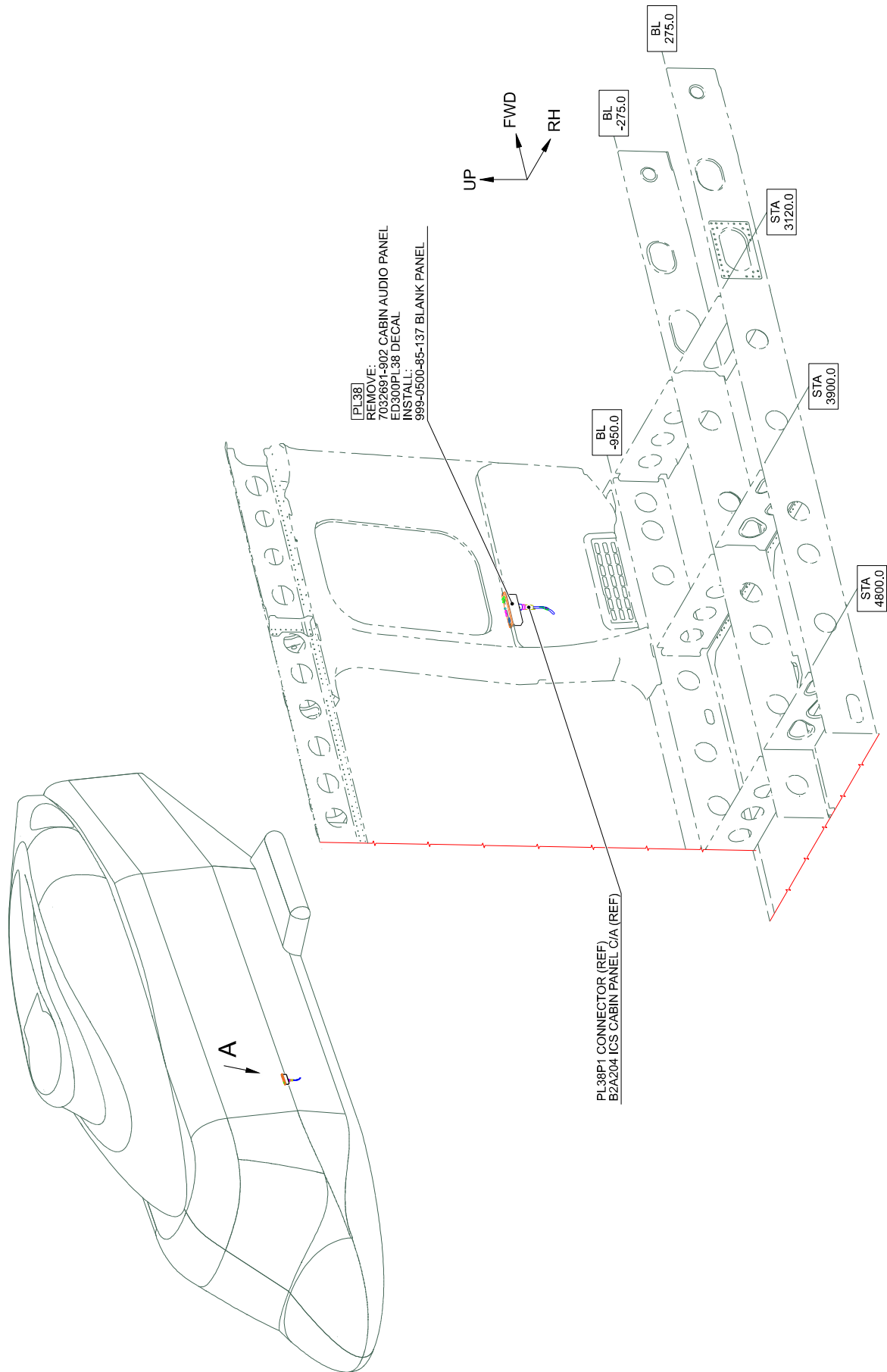
5. With reference to Figures 22 thru 24, perform the installation of the ICS cabin utility equipment P/N 3G2350A04411 as described in the following procedure:
  - 5.1 With reference to Figure 24 View E-E and in accordance with DM 39-G-23-53-01-00A-720A-K, install the ICS control panel (PL61) P/N 3G2350I00331 on the support P/N 3G5317A06631.
  - 5.2 With reference to Figure 24 View E-E, install n°1 switch P/N 112TW1-3 (139) on the C/A B1A661.
  - 5.3 With reference to Figure 24 View E-E and in accordance with DM 39-A-11-00-01-00A-720A-A, install the decals P/N ED300S139 and P/N ED300PL61.
  - 5.4 With reference to Figure 24 View G-G and in accordance with DM 39-A-11-00-01-00A-720A-A, install the decals P/N ED300RADIO and P/N ED300ICS.
  - 5.5 With reference to Figure 23 View B-B and in accordance with DM 39-G-23-53-03-00A-720A-K, install the ICS control panel (PL60) P/N 3G2350I00331 on the supports P/N 3G5315A42531 and P/N 3G5315A42332.
  - 5.6 With reference to Figure 23 View B-B, install the support P/N AW001CL001-N6 by means of adhesive CB200-40 (C356).
  - 5.7 With reference to Figure 23 View B-B, install the switch P/N A635A02 (S140) on the support P/N AW001CL001-N6.
  - 5.8 With reference to Figure 23 View B-B and in accordance with DM 39-A-11-00-01-00A-720A-A, install the decals P/N ED300S140 and P/N ED300PL60.
  - 5.9 With reference to Figure 23 View F-F and in accordance with DM 39-A-11-00-01-00A-720A-A install the decals P/N ED300RADIO and P/N ED300ICS.
6. Perform a pin-to-pin continuity check of all the electrical connections made.
7. In accordance with AMP DM 39-G-23-53-00-00A-320A-K perform the Cabin audio system Operation test.
8. In accordance with AMP DM 39-A-06-41-00-00A-010A-A, re-install all external panels, internal panels and internal liners previously removed.
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 IV of this

Service Bulletin on the helicopter logbook.

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

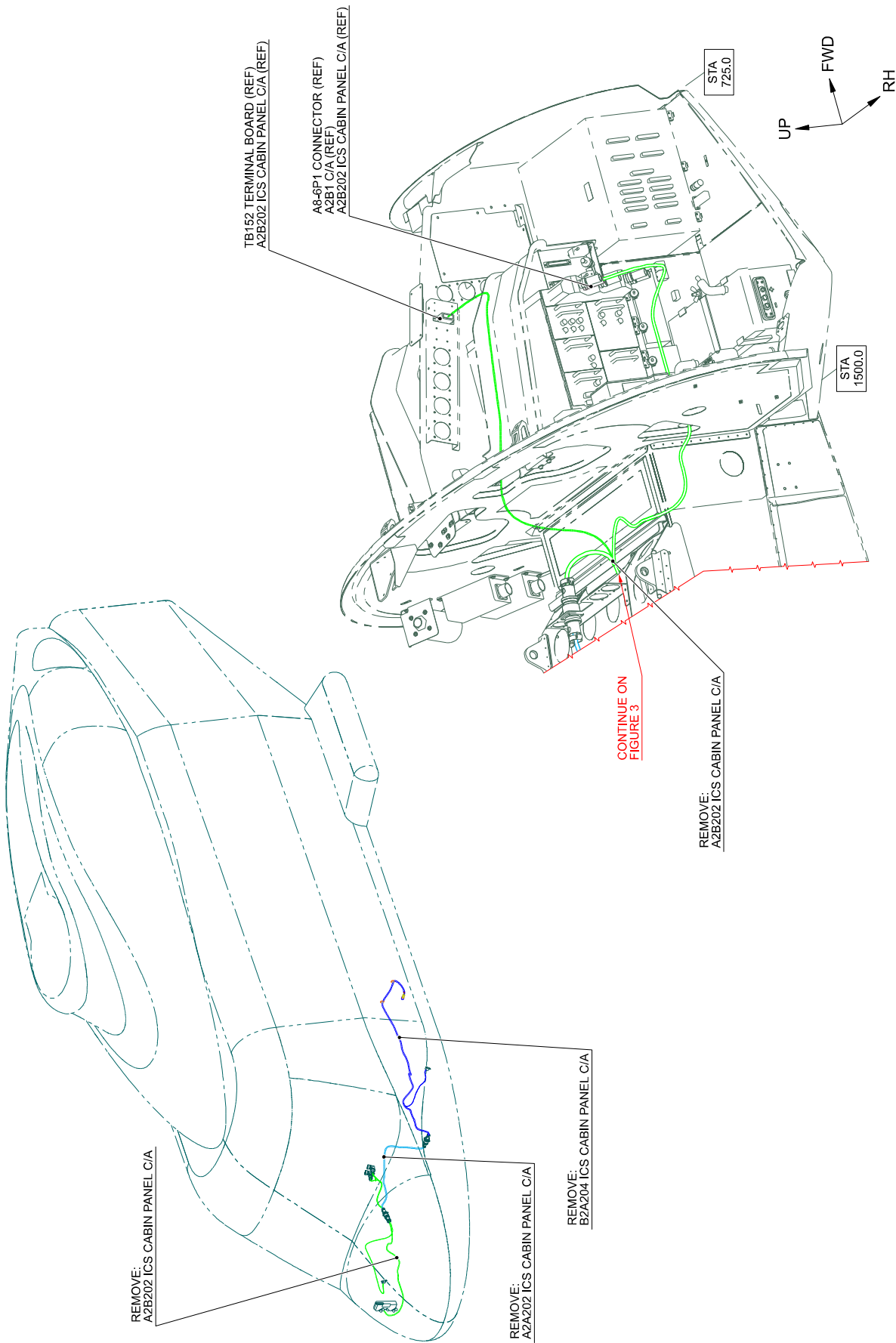
[engineering.support.lhd@leonardo.com](mailto:engineering.support.lhd@leonardo.com)

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



**VIEW A - VIEW LOOKING FUSELAGE LH SIDE**  
VIEW LOOKING FUSELAGE LH SIDE  
STRUCTURE AND SYSTEMS ARE PARTIALLY OMITTED FOR BETTER CLARITY PURPOSE

**Figure 1**



**VIEW LOOKING NOSE RH SIDE**  
STRUCTURE AND SYSTEMS ARE PARTIALLY OMITTED FOR BETTER CLARITY PURPOSE

**Figure 2**

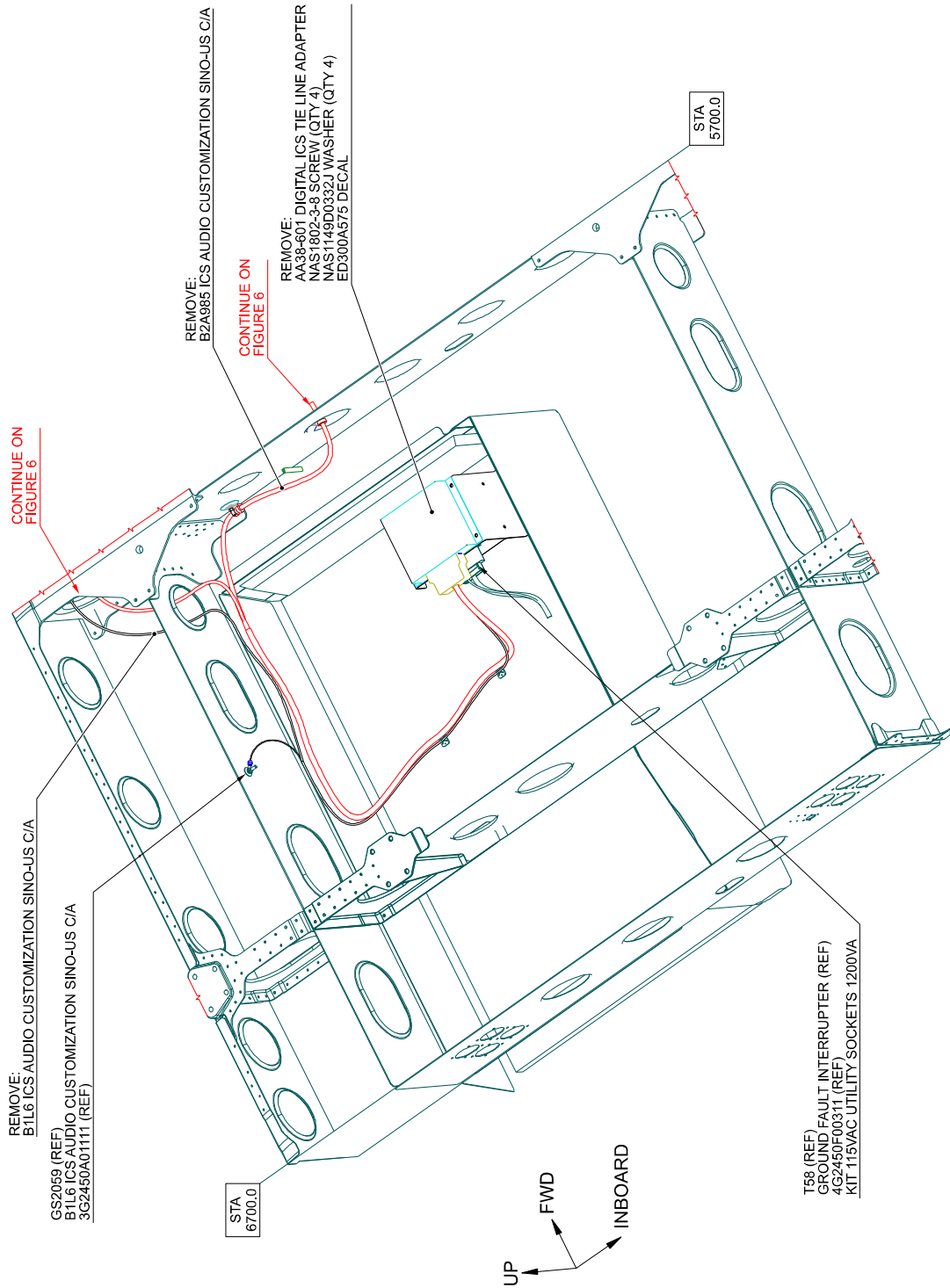










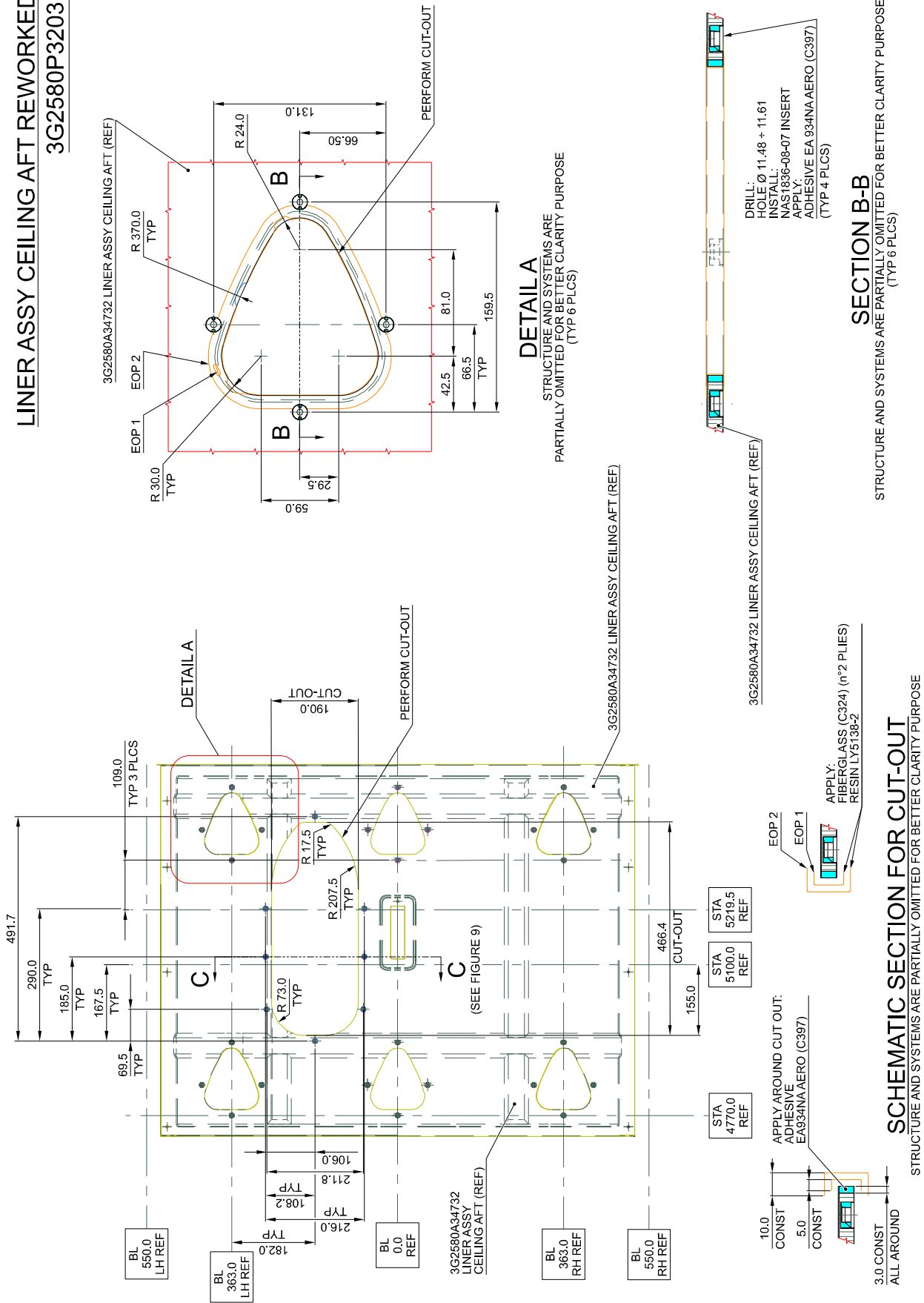


**VIEW LOOKING UP CABIN ROOF LH SIDE**

FROM STA 5700 TO STA 6700  
STRUCTURE AND SYSTEMS ARE PARTIALLY OMITTED FOR BETTER CLARITY PURPOSE

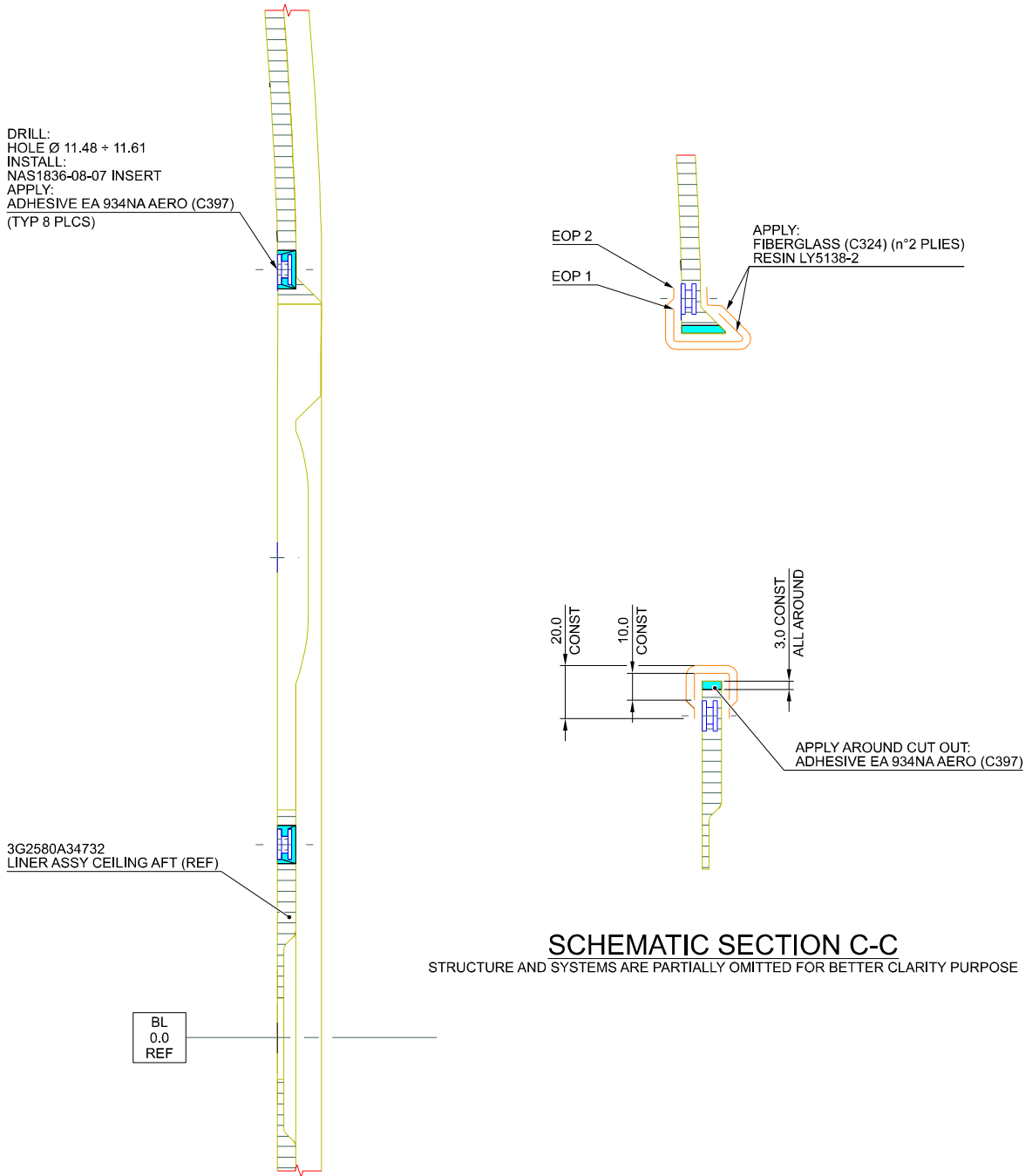
**Figure 7**

**LINER ASSY CEILING AFT REWORKED**  
**3G2580P32031**



**Figure 8**

**LINER ASSY CEILING AFT REWORKED**  
**3G2580P32031**



**SCHEMATIC SECTION C-C**

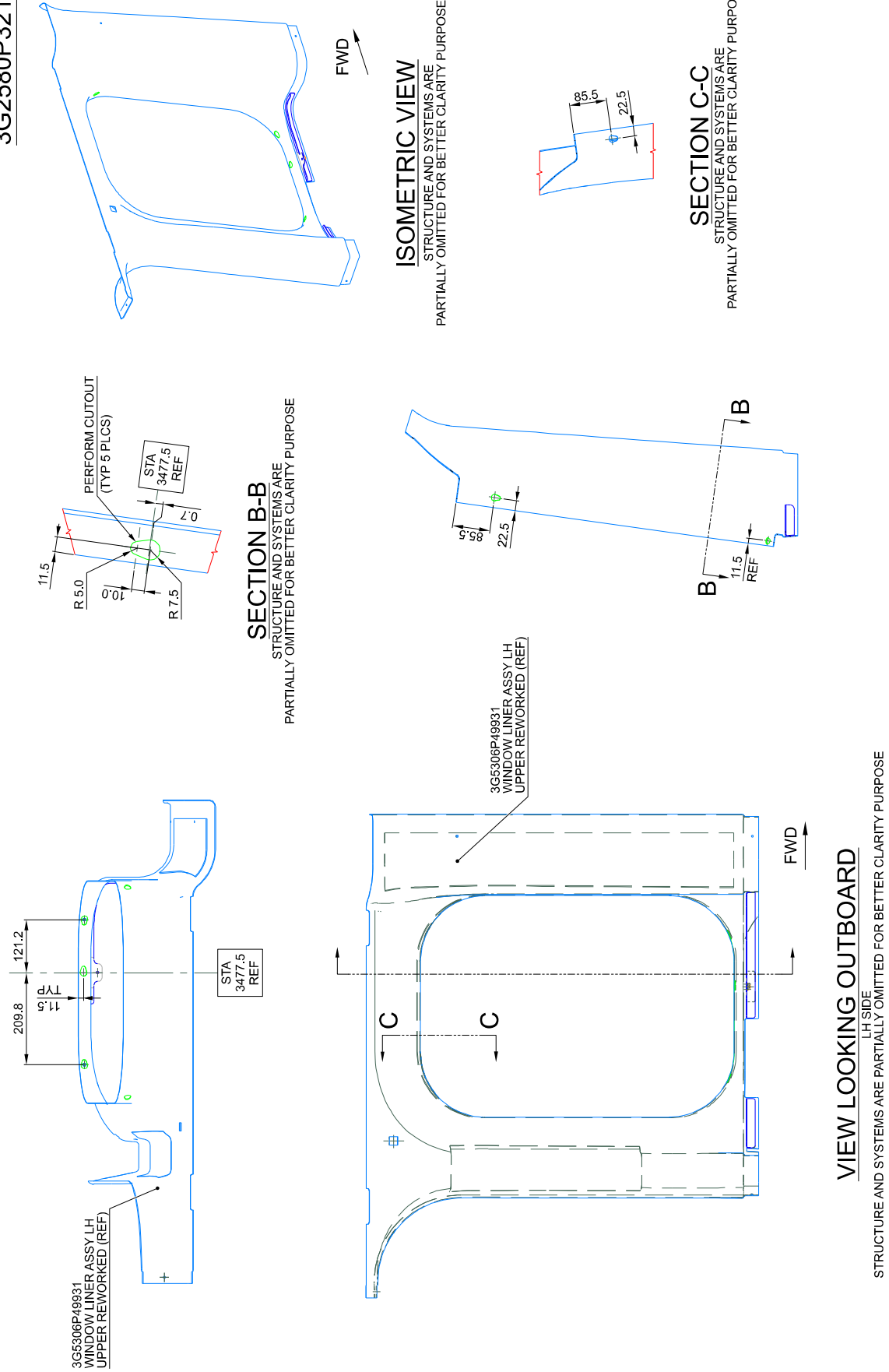
STRUCTURE AND SYSTEMS ARE PARTIALLY OMITTED FOR BETTER CLARITY PURPOSE

**SECTION C-C**

STRUCTURE AND SYSTEMS ARE  
PARTIALLY OMITTED FOR BETTER CLARITY PURPOSE  
(REFER TO FIGURE 8)

**Figure 9**

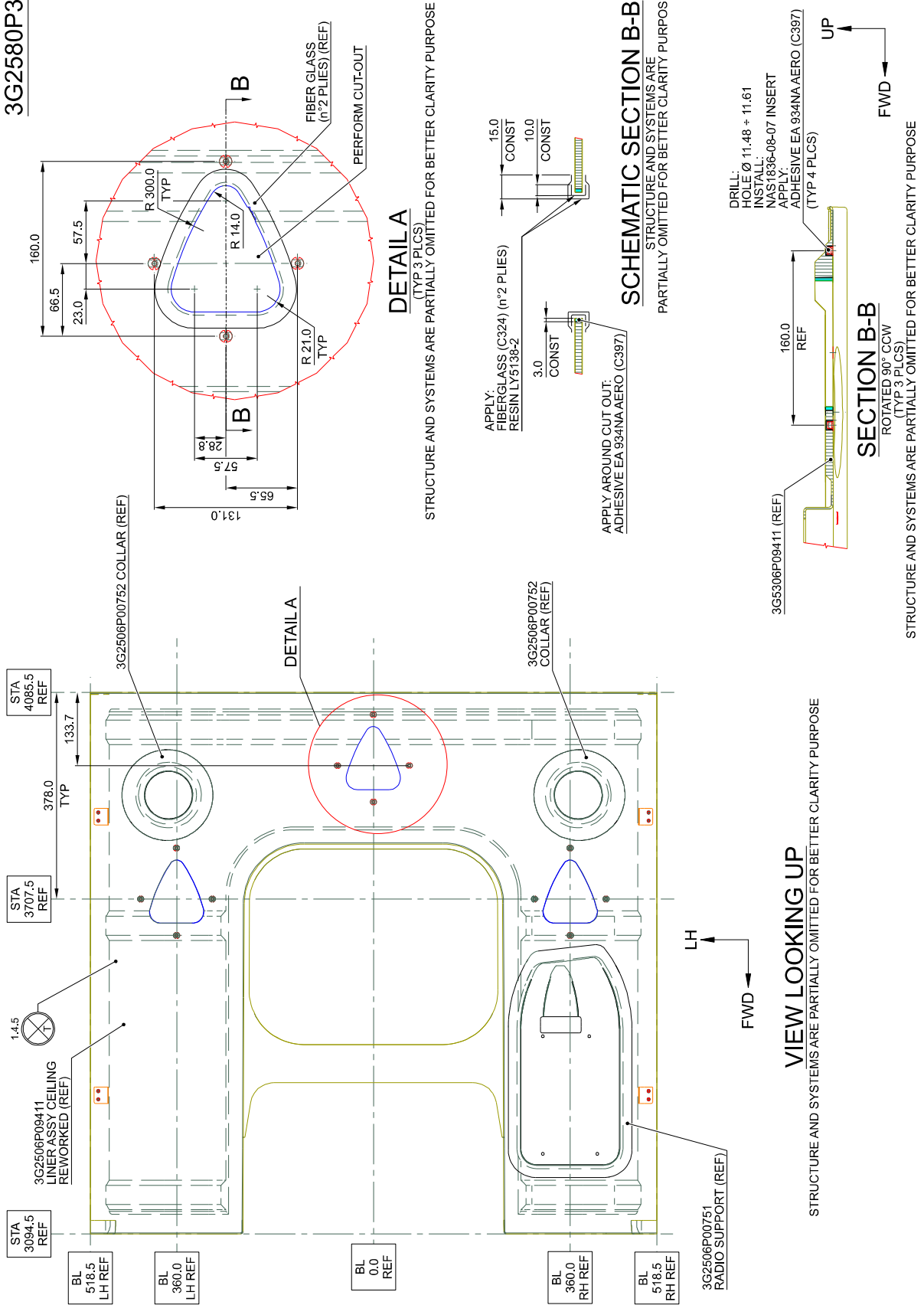
**WINDOW LINER ASSY LH UPPER REWORKED**  
**3G2580P32131**



**Figure 10**

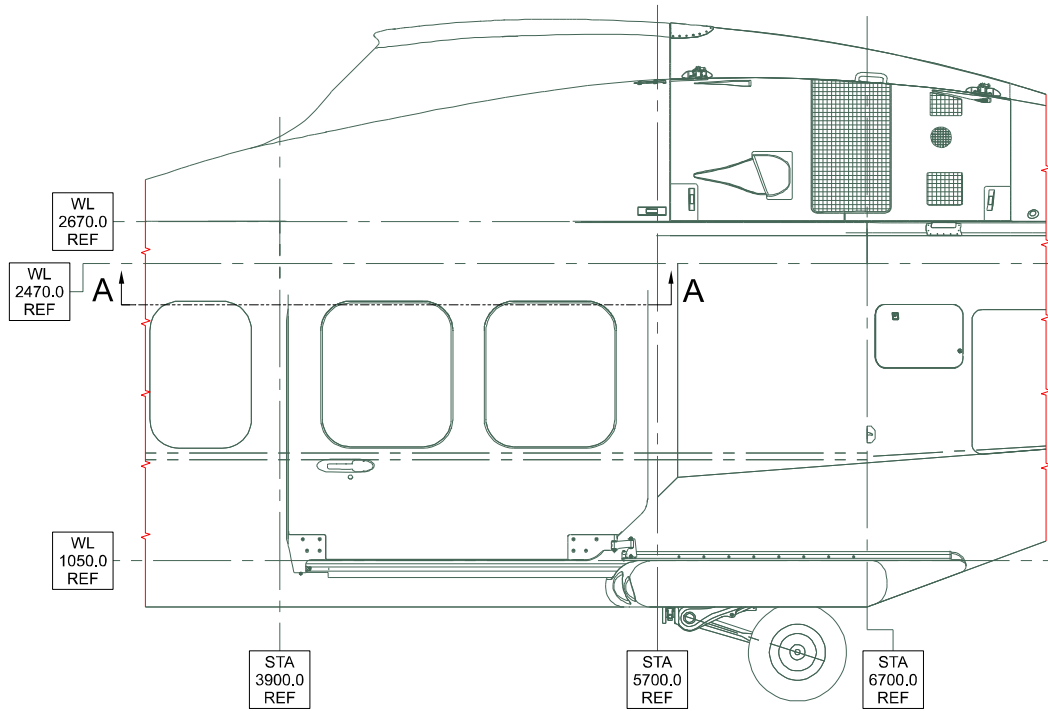


**LINER ASSY CEILING FWD REWORKED**  
**3G2580P32231**



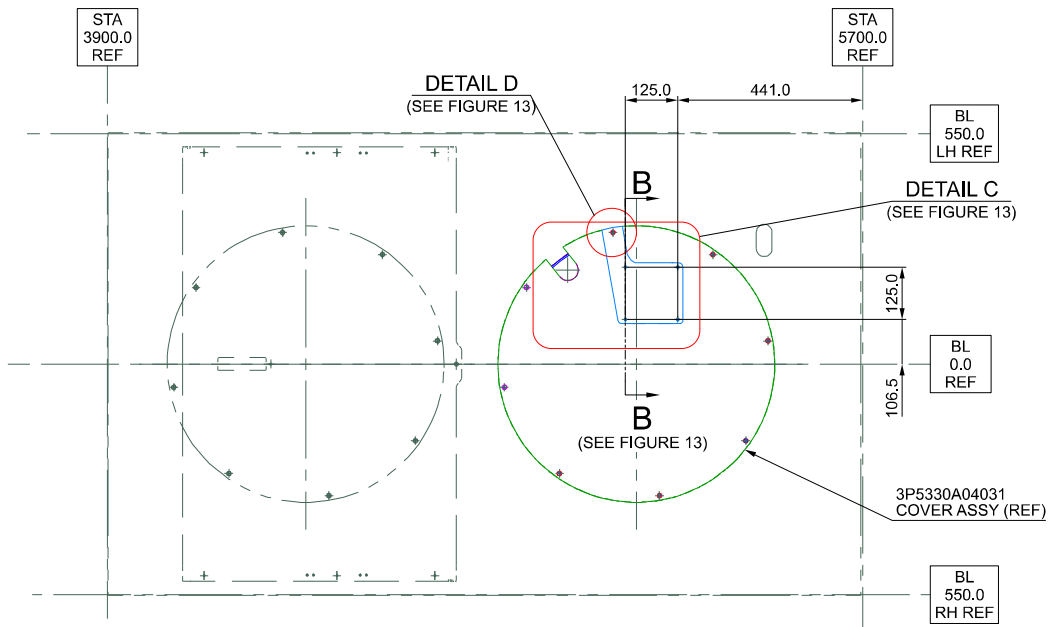
**Figure 11**

**STRUCTURAL PROVISION FOR ICS 12/15 PAX VARIANT**  
**3G5311A66111**



**VIEW LOOKING INBOARD**

LH SIDE  
STRUCTURE AND SYSTEMS ARE PARTIALLY OMITTED FOR BETTER CLARITY PURPOSE



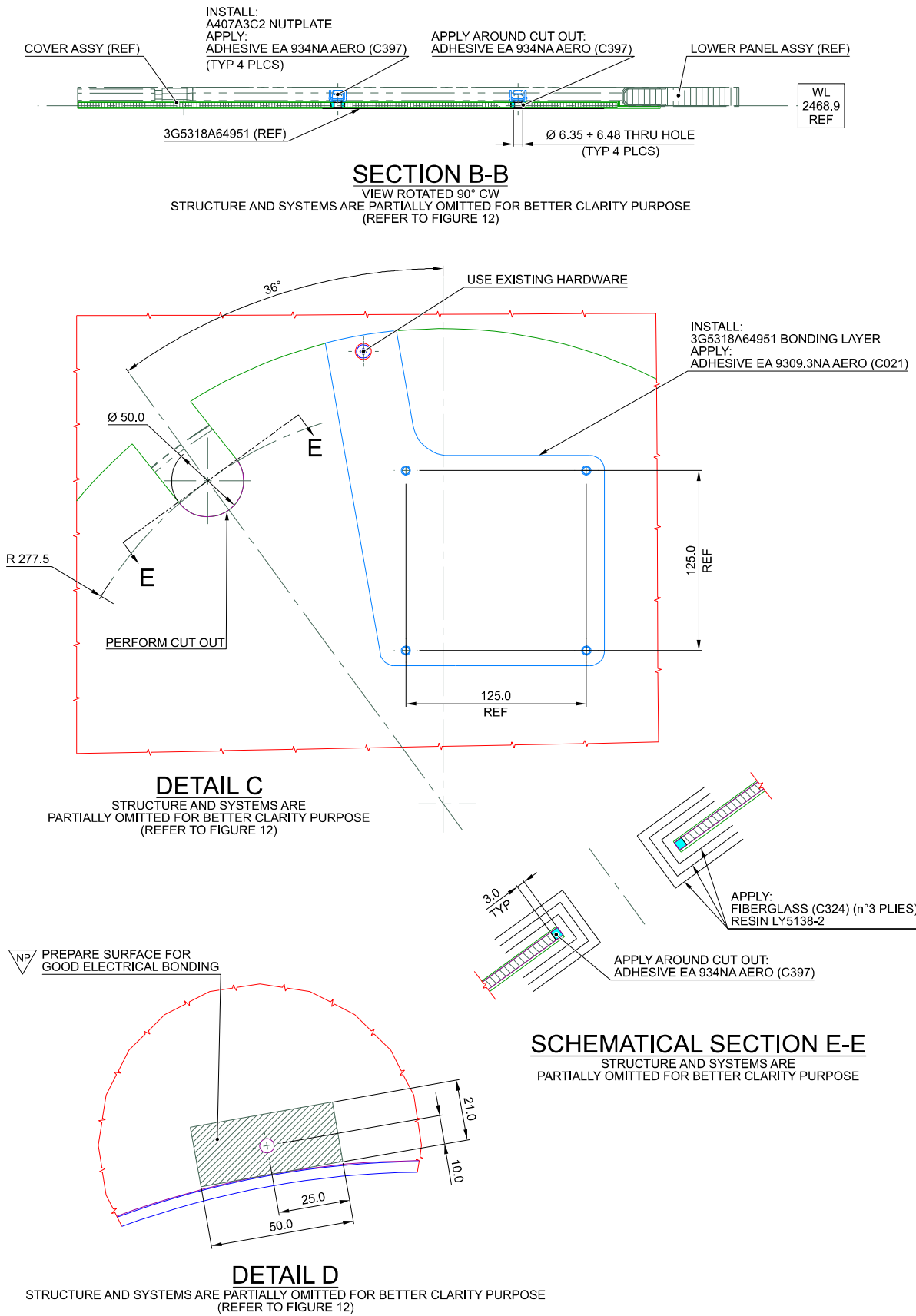
**SECTION A-A**

STRUCTURE AND SYSTEMS ARE PARTIALLY OMITTED FOR BETTER CLARITY PURPOSE

**Figure 12**

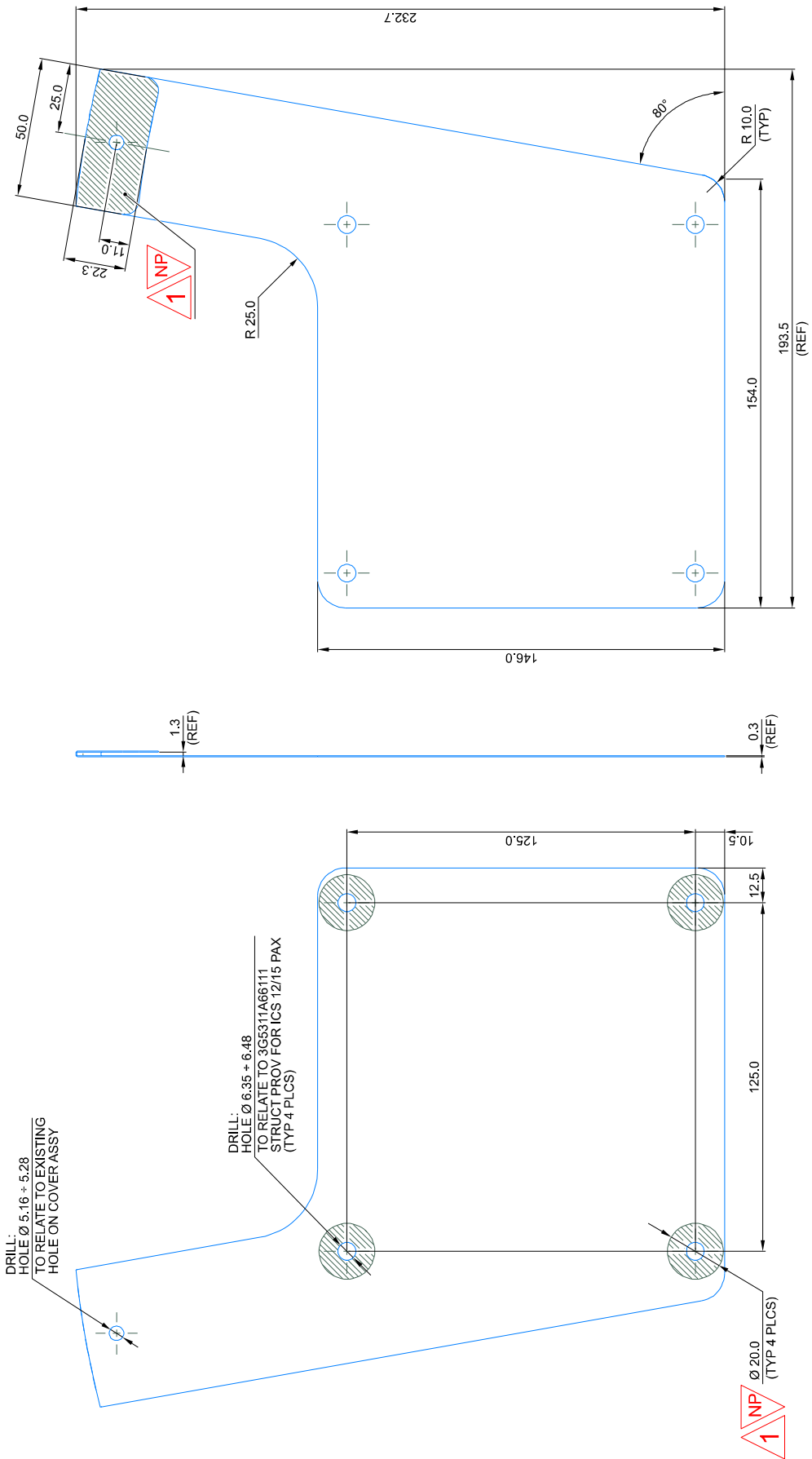
S.B. N°139-680  
DATE: January 10, 2023  
REVISION: /

**STRUCTURAL PROVISION FOR ICS 12/15 PAX VARIANT**  
**3G5311A66111**



**Figure 13**

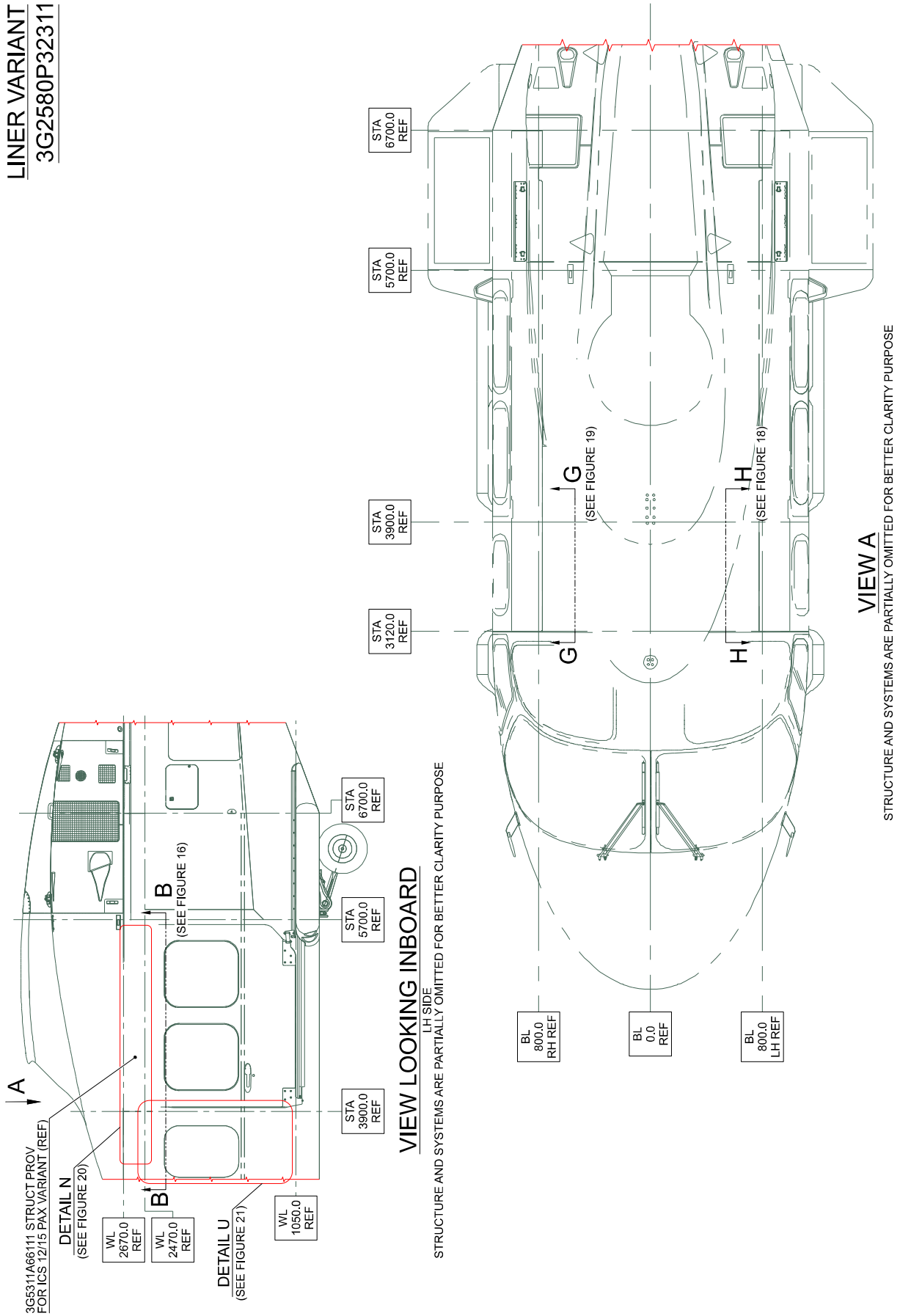
**BONDING LAYER**  
**3G5318A64951**



**Figure 14**

S.B. N°139-680  
DATE: January 10, 2023  
REVISION: /

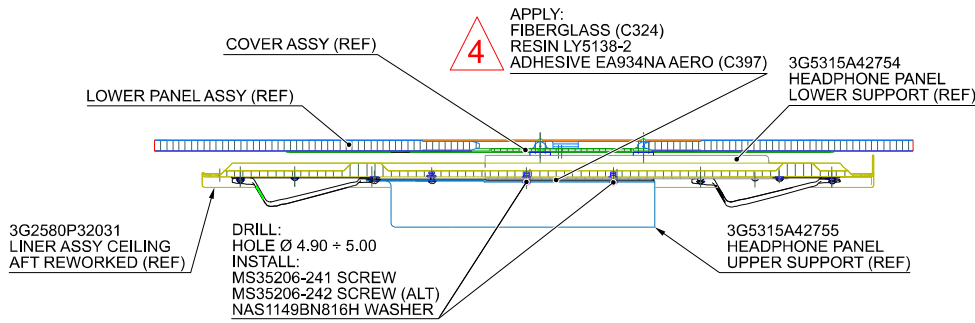
**LINER VARIANT**  
**3G2580P32311**



**Figure 15**

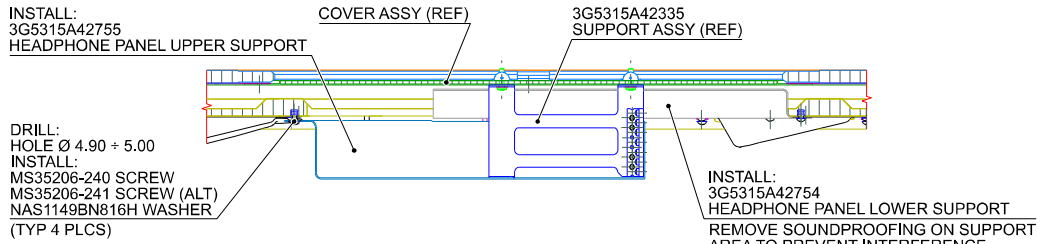


**LINER VARIANT**  
**3G2580P32311**



**SECTION C-C**

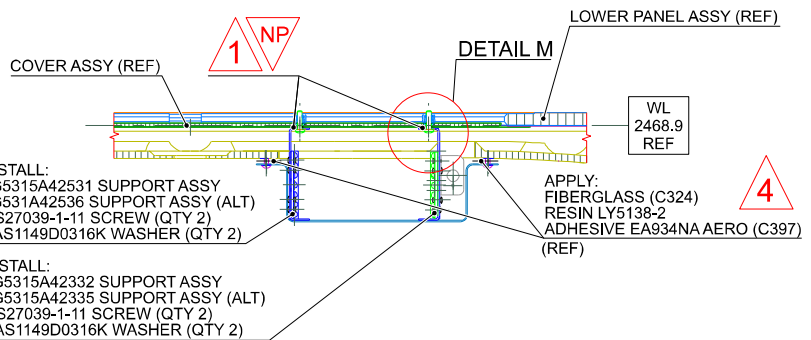
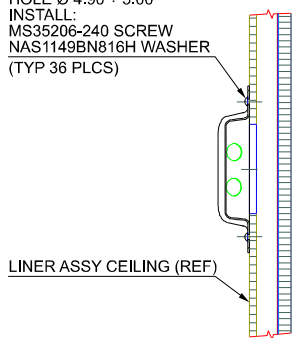
(TYP 2 PLCS)  
STRUCTURE AND SYSTEMS ARE PARTIALLY OMITTED FOR BETTER CLARITY PURPOSE (REFER TO FIGURE 16)



**SECTION D-D**

STRUCTURE AND SYSTEMS ARE PARTIALLY OMITTED FOR BETTER CLARITY PURPOSE (REFER TO FIGURE 16)

DRILL:  
HOLE Ø 4.90 ± 5.00  
INSTALL:  
MS35206-240 SCREW  
NAS1149BN816H WASHER (TYP 36 PLCS)

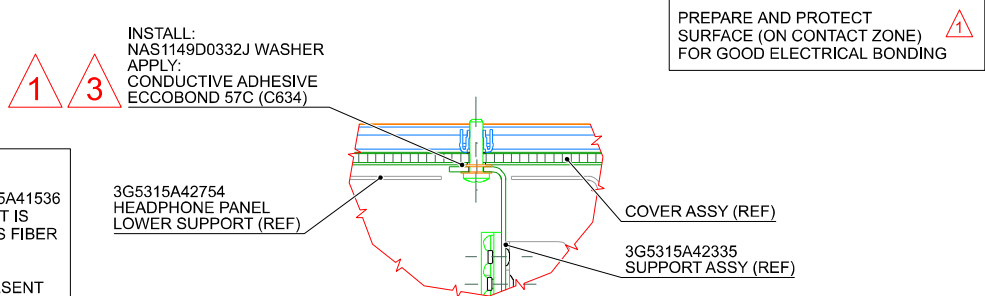


**SECTION E-E**

STRUCTURE AND SYSTEMS ARE PARTIALLY OMITTED FOR BETTER CLARITY PURPOSE (REFER TO FIGURE 16)

**SECTION F-F**

VIEW ROTATED 90° CW  
STRUCTURE AND SYSTEMS ARE PARTIALLY OMITTED FOR BETTER CLARITY PURPOSE (REFER TO FIGURE 16)



4  
IF 3G5315A42335 AND 3G5315A41536 SUPPORTS ARE INSTALLED IT IS PERMITTED TO APPLY GLASS FIBER PLYES ON UPPER SUPPORT 3G5315A42755 IF GAP FROM LINERS AND COVERS IS PRESENT

3  
IT IS ADMITTED TO BOND THE WASHERS ON COVER ASSY BY MEANS OF CONDUCTIVE ADHESIVE IN ORDER TO ENSURE GOOD BONDING CONTACT

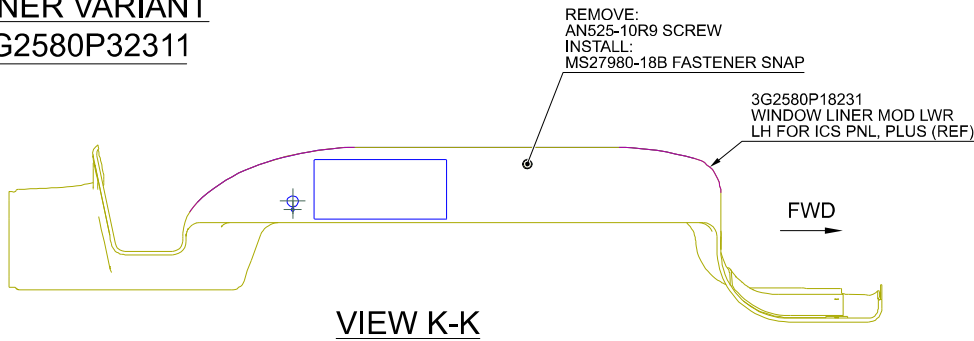
**DETAIL M**

(TYP 4 PLCS)  
STRUCTURE AND SYSTEMS ARE PARTIALLY OMITTED FOR BETTER CLARITY PURPOSE

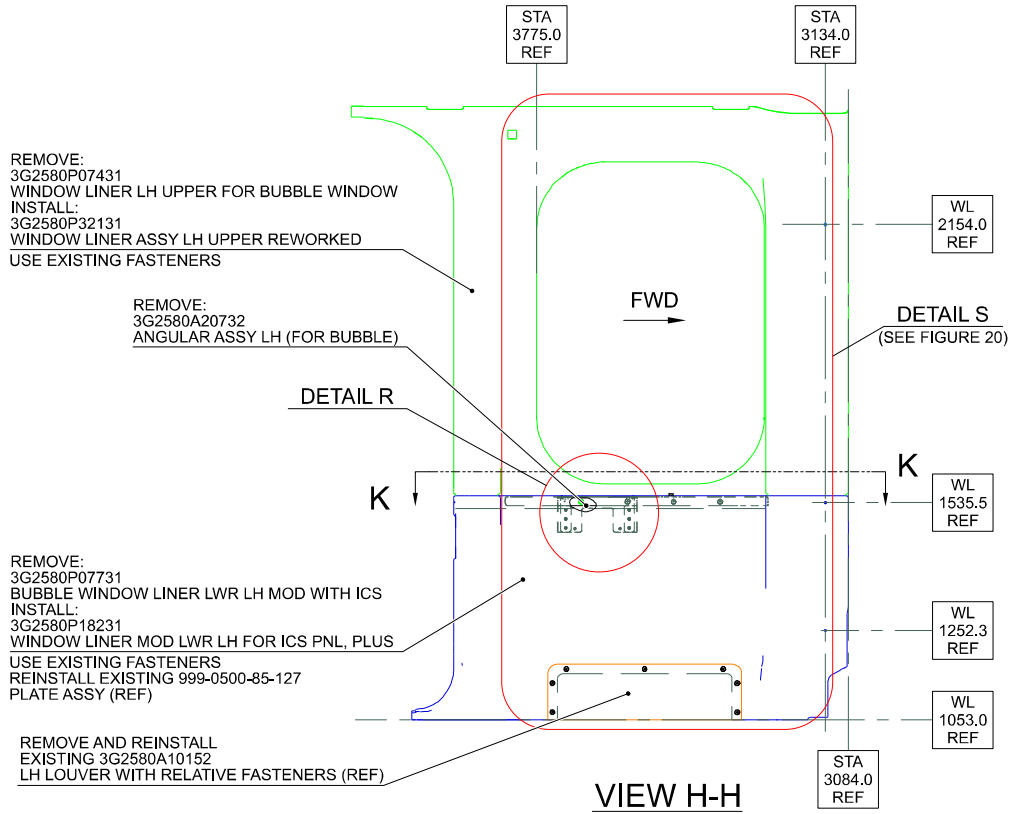
**Figure 17**



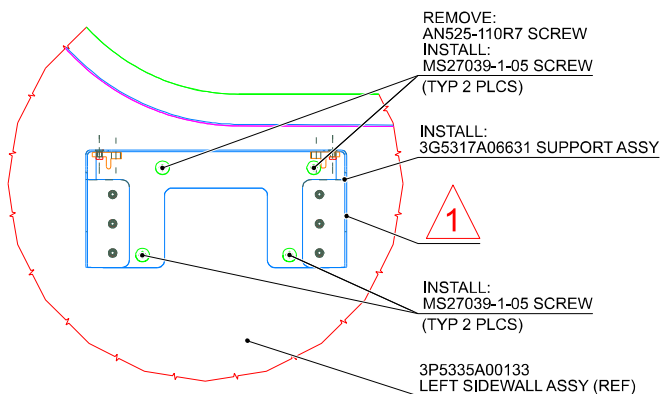
**LINER VARIANT**  
**3G2580P32311**



STRUCTURE AND SYSTEMS ARE PARTIALLY OMITTED FOR BETTER CLARITY PURPOSE



LH SIDE  
ROTATED 180°  
STRUCTURE AND SYSTEMS ARE PARTIALLY  
OMITTED FOR BETTER CLARITY PURPOSE  
(REFER TO FIGURE 15)



**DETAIL R**  
STRUCTURE AND SYSTEMS ARE PARTIALLY  
OMITTED FOR BETTER CLARITY PURPOSE

PREPARE AND PROTECT  
SURFACE (ON CONTACT ZONE)  
FOR GOOD ELECTRICAL BONDING

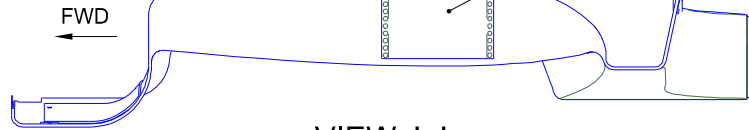
**Figure 18**

**LINER VARIANT**  
**3G2580P32311**

REMOVE:  
AN525-10R9 SCREW  
INSTALL:  
MS27980-18B FASTENER SNAP

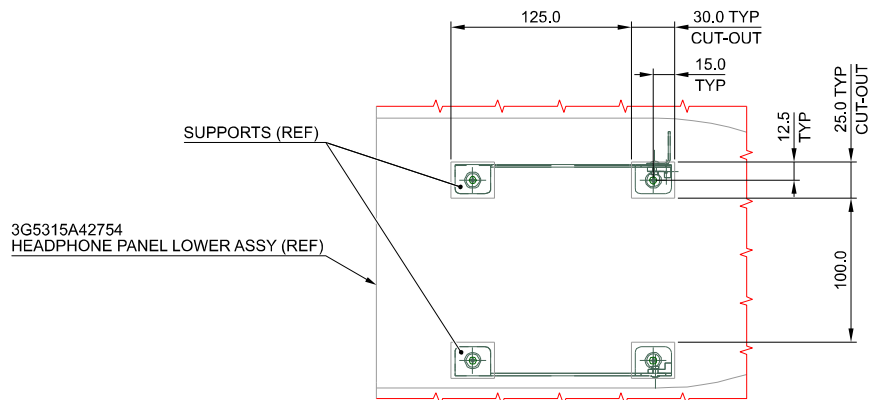
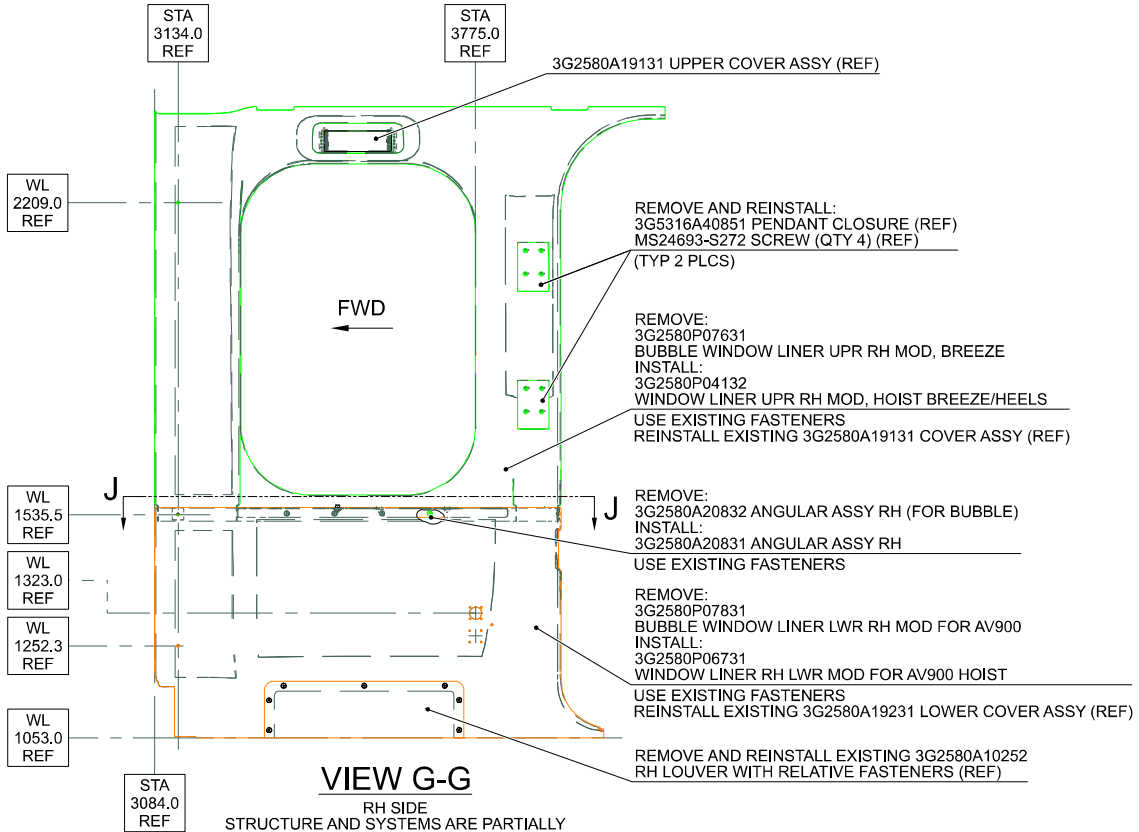
3G2580P06731 WINDOW LINER RH LWR MOD FOR AV900 HOIST (REF)

3G2580A19231 LOWER COVER ASSY (REF)



**VIEW J-J**

STRUCTURE AND SYSTEMS ARE PARTIALLY OMITTED FOR BETTER CLARITY PURPOSE

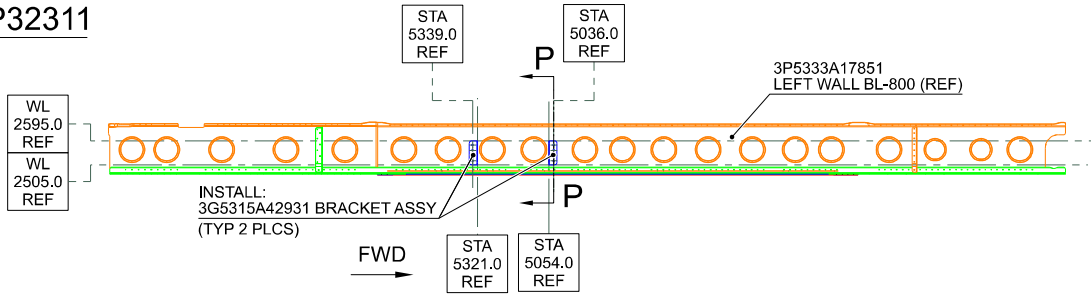


**DETAIL L**

STRUCTURE AND SYSTEMS ARE PARTIALLY OMITTED FOR BETTER CLARITY PURPOSE (REFER TO FIGURE 16)

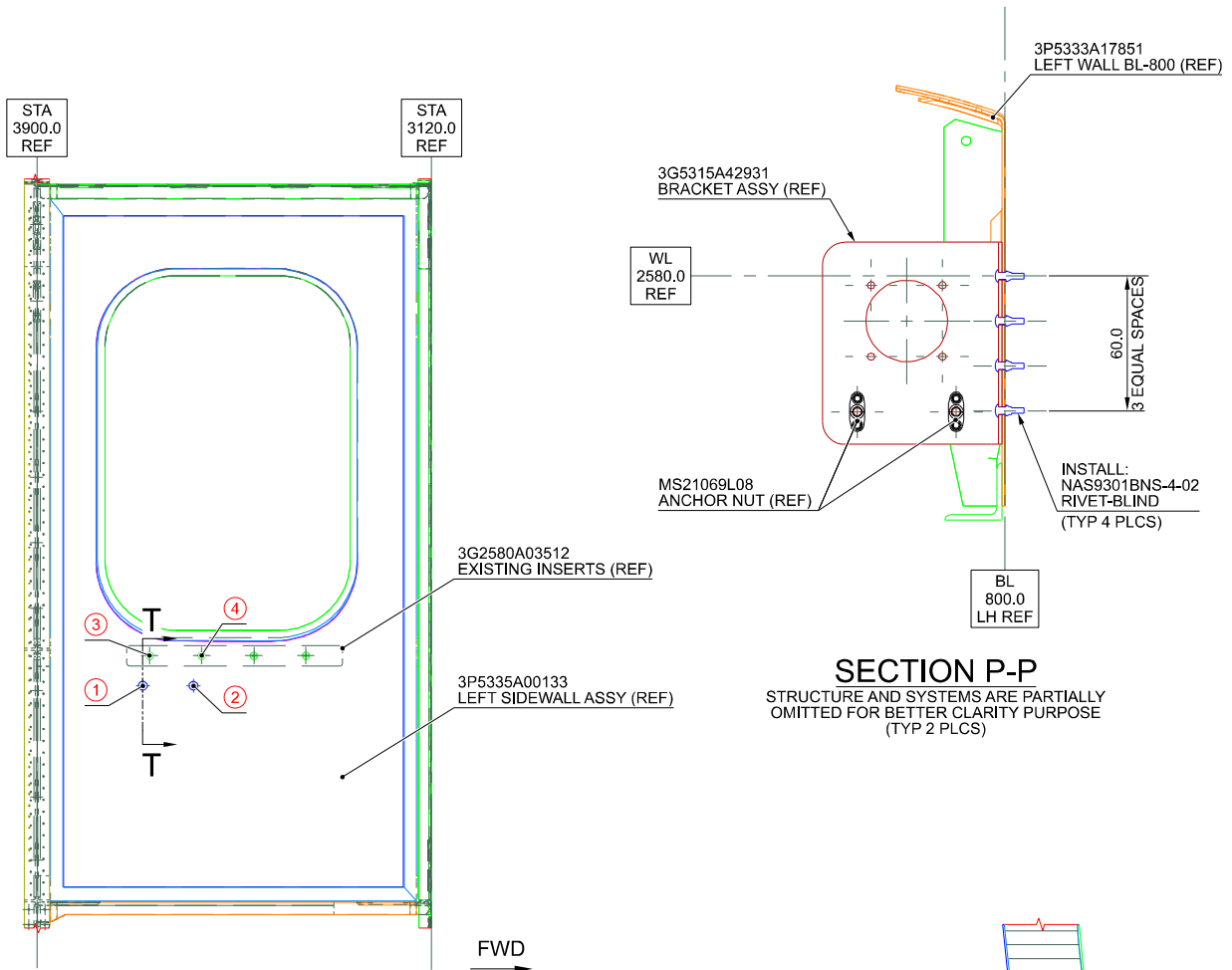
**Figure 19**

**LINER VARIANT**  
**3G2580P32311**



**DETAIL N**

VIEW LOOKING OUTBOARD LH SIDE  
STRUCTURE AND SYSTEMS ARE PARTIALLY OMITTED FOR BETTER CLARITY PURPOSE  
(REFER TO FIGURE 15)



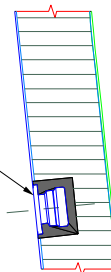
**DETAIL S**

STRUCTURE AND SYSTEMS ARE PARTIALLY OMITTED FOR BETTER CLARITY PURPOSE  
(REFER TO FIGURE 18)

**SECTION P-P**

STRUCTURE AND SYSTEMS ARE PARTIALLY OMITTED FOR BETTER CLARITY PURPOSE  
(TYP 2 PLCS)

INSTALL:  
NAS1835-3 INSERT  
APPLY:  
ADHESIVE EA 934NA AERO (C397)  
(TYP 2 PLCS)



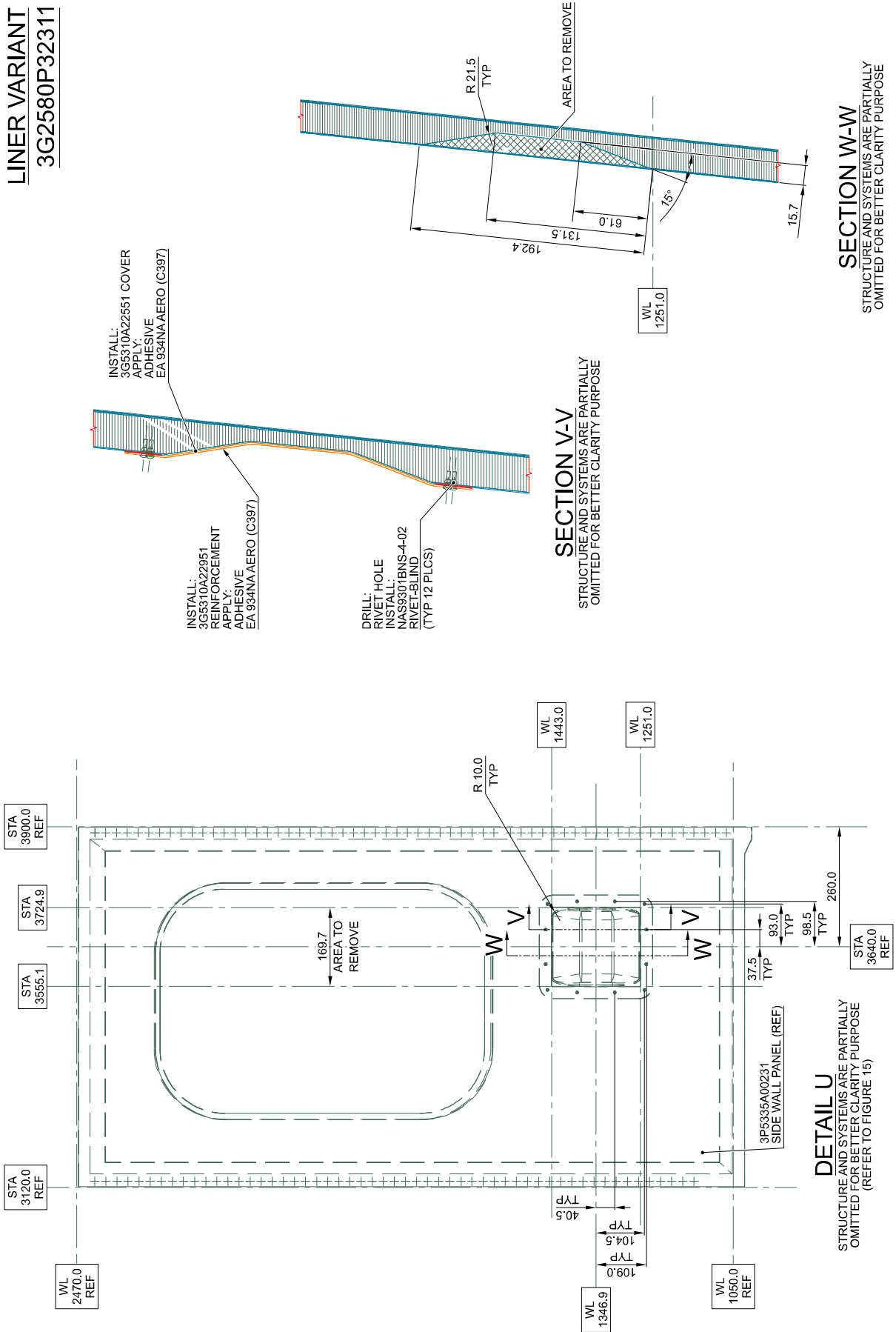
**SECTION T-T**

STRUCTURE AND SYSTEMS ARE PARTIALLY OMITTED FOR BETTER CLARITY PURPOSE

	LOCATION NUMBER	PART. NUMBER	STA	BL	WL
NEW	①	NAS1835-3	3690.5	-1095.5	1478.0
NEW	②	NAS1835-3	3590.5	-1095.5	1478.0
EXISTING	③	NAS1832-3-4M	3677.0	-1102.0	1537.5
EXISTING	④	NAS1832-3-4M	3574.0	-1102.0	1537.5

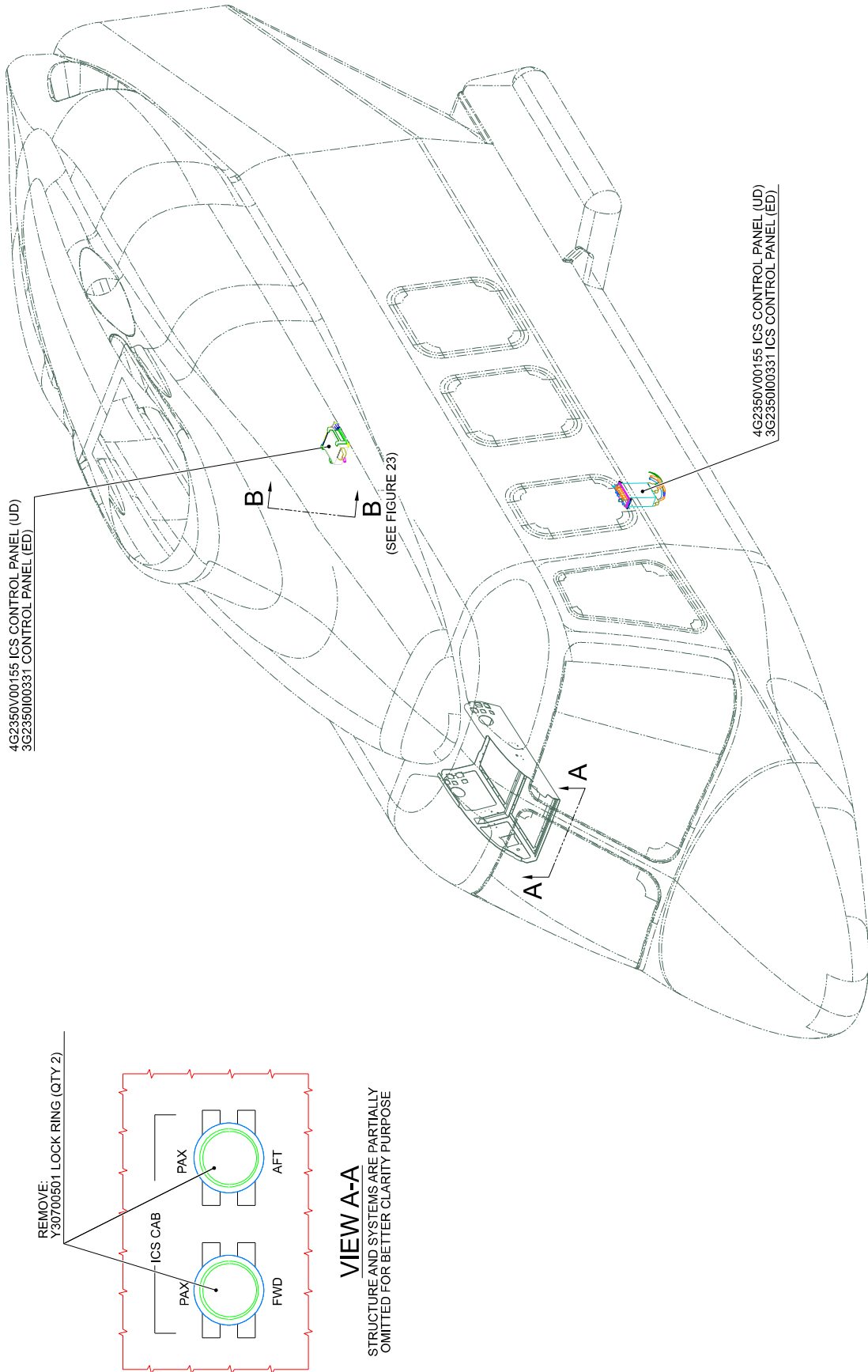
**Figure 20**

**LINER VARIANT**  
**3G2580P32311**

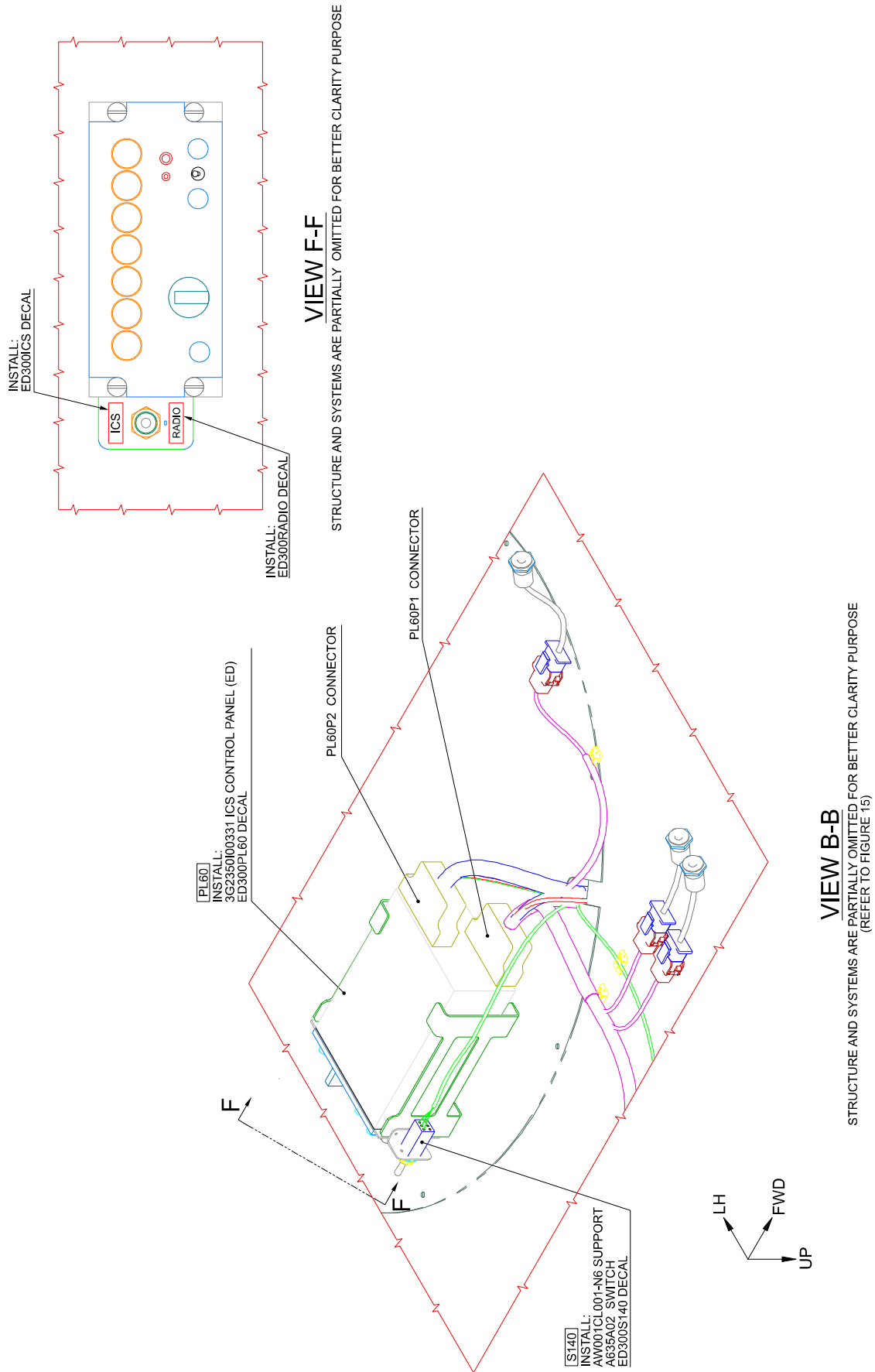


**Figure 21**

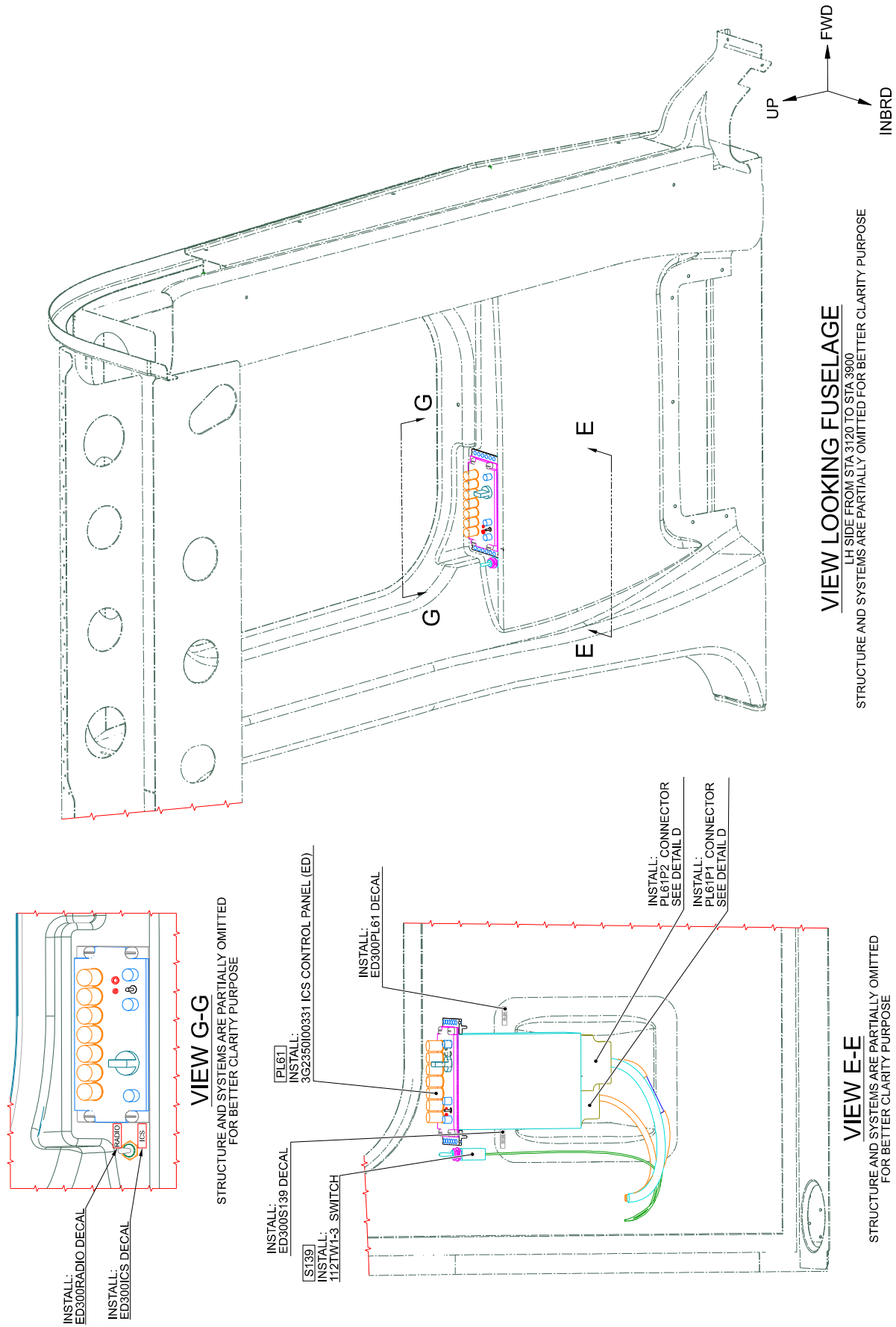
**ICS CABIN UTILITY EQUIPMENT INSTALLATION**  
**3G2350A04411**



**Figure 22**



**Figure 23**

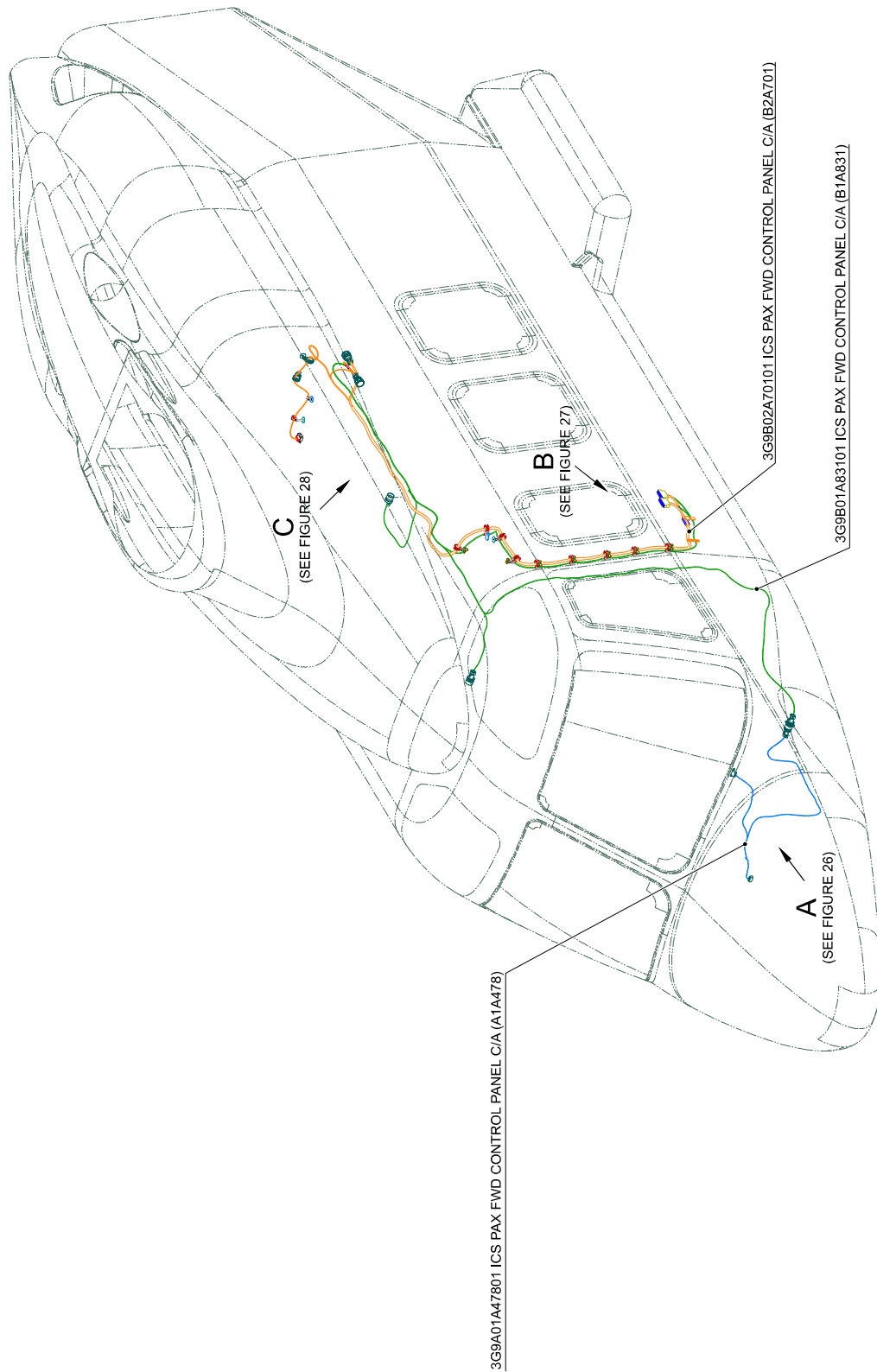


**Figure 24**

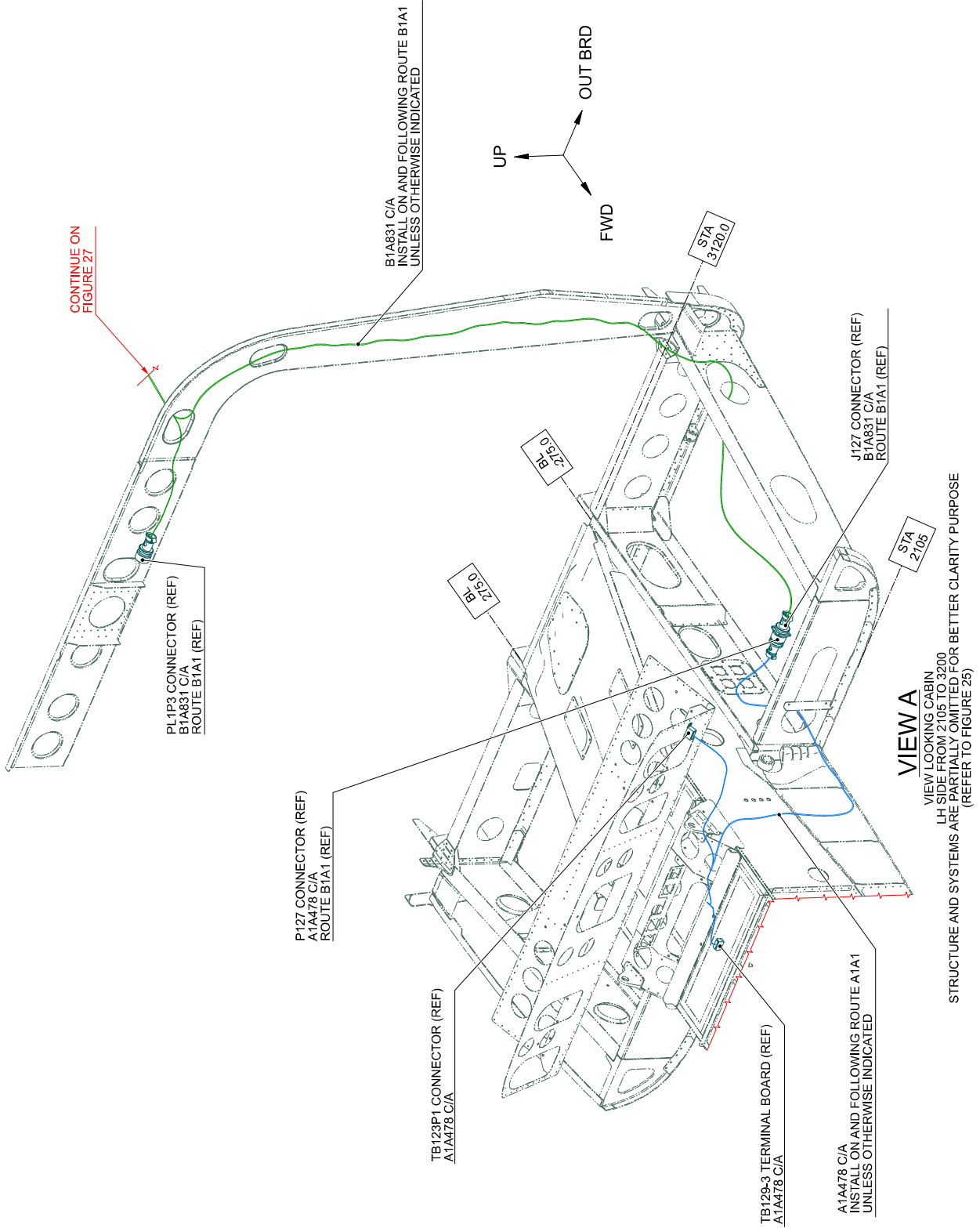
S.B. N°139-680  
DATE: January 10, 2023  
REVISION: /



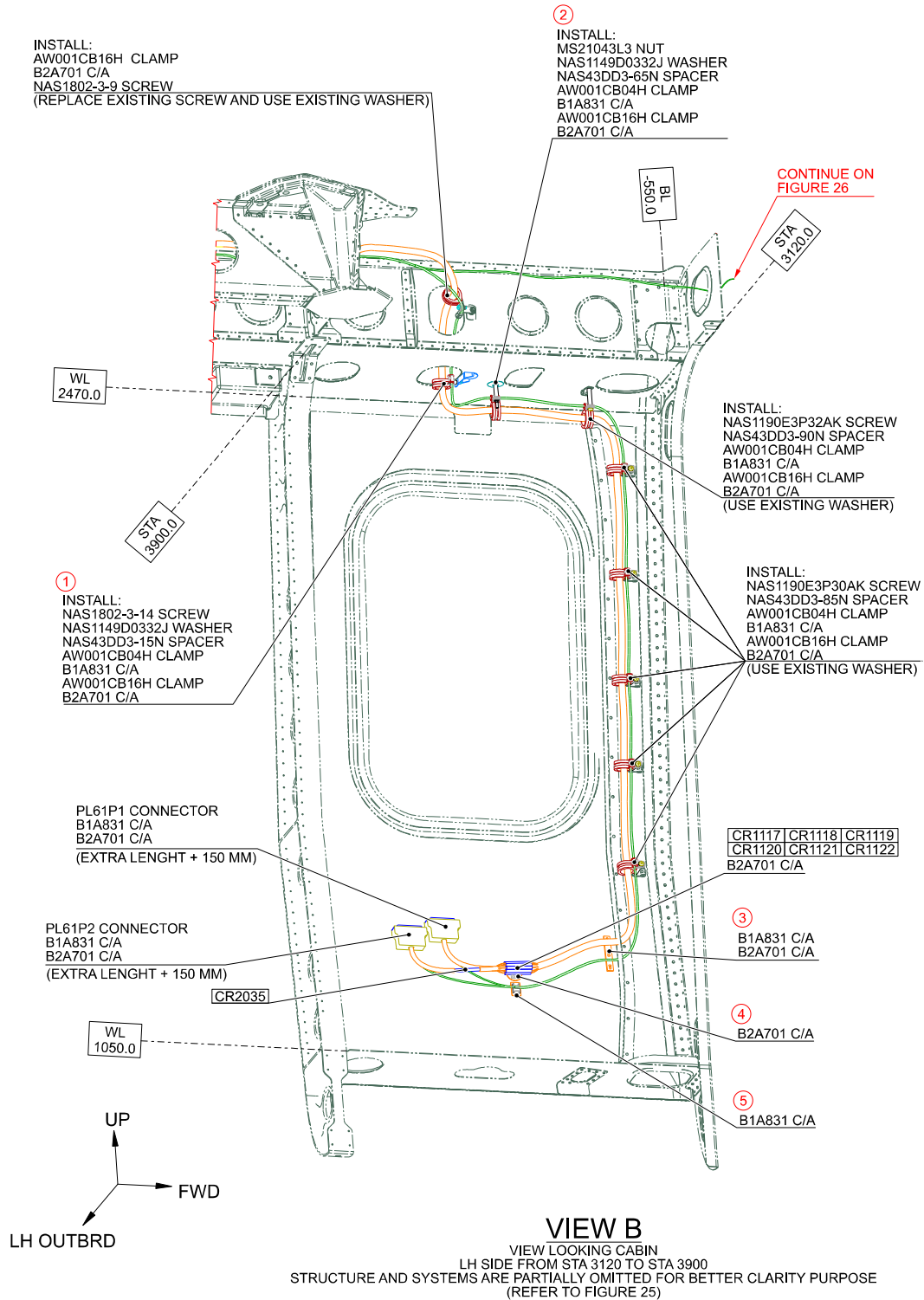
ICS CABIN FWD CONTROL PANEL ELECT. PROVISION  
3G2350A04512



**Figure 25**



**Figure 26**



**VIEW B**  
 VIEW LOOKING CABIN  
 LH SIDE FROM STA 3120 TO STA 3900  
 STRUCTURE AND SYSTEMS ARE PARTIALLY OMITTED FOR BETTER CLARITY PURPOSE  
 (REFER TO FIGURE 25)

INSTALL ELECTRICAL SUPPORT REPORTED IN TABLE BELOW:

LOCATION NUMBER	PART. NUMBER	STA	BL	WL	ORIENTATION
①	AW001TL3A08	3537	-903	2470	-
②	A366A3E32C	3471	-942	2470	-
③	AW001CL510B-N6	3274	-1083	1362	90°
④	AW001CL002C-X2	3474	-1074	1277	-
⑤	AW001CL008-CM	3474	-1071	1242	0°

**Figure 27**



UP  
LH OUTBRD  
FWD

**VIEW C**  
VIEW UP ROOF  
LH SIDE

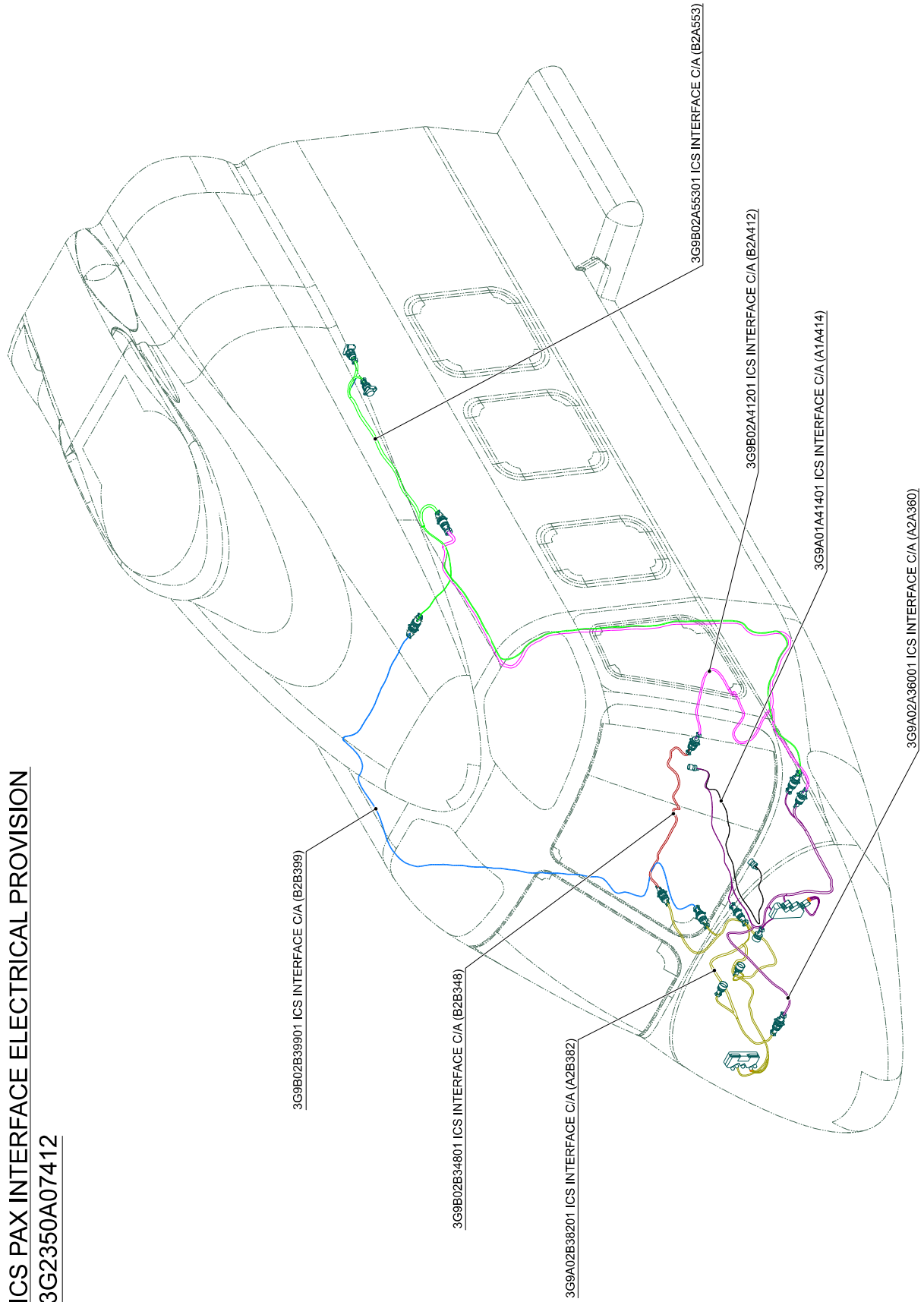
STRUCTURE AND SYSTEMS ARE PARTIALLY OMITTED FOR BETTER CLARITY PURPOSE  
(REFER TO FIGURE 25)

INSTALL ELECTRICAL SUPPORT REPORTED IN TABLE BELOW:

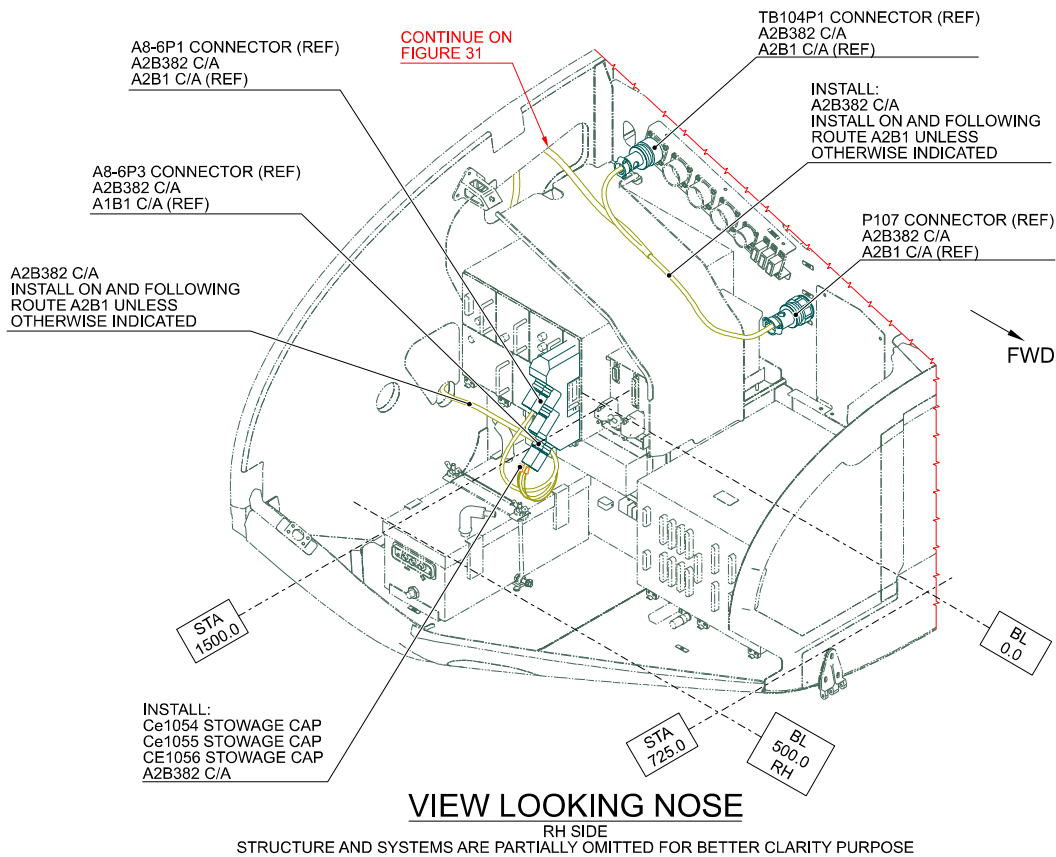
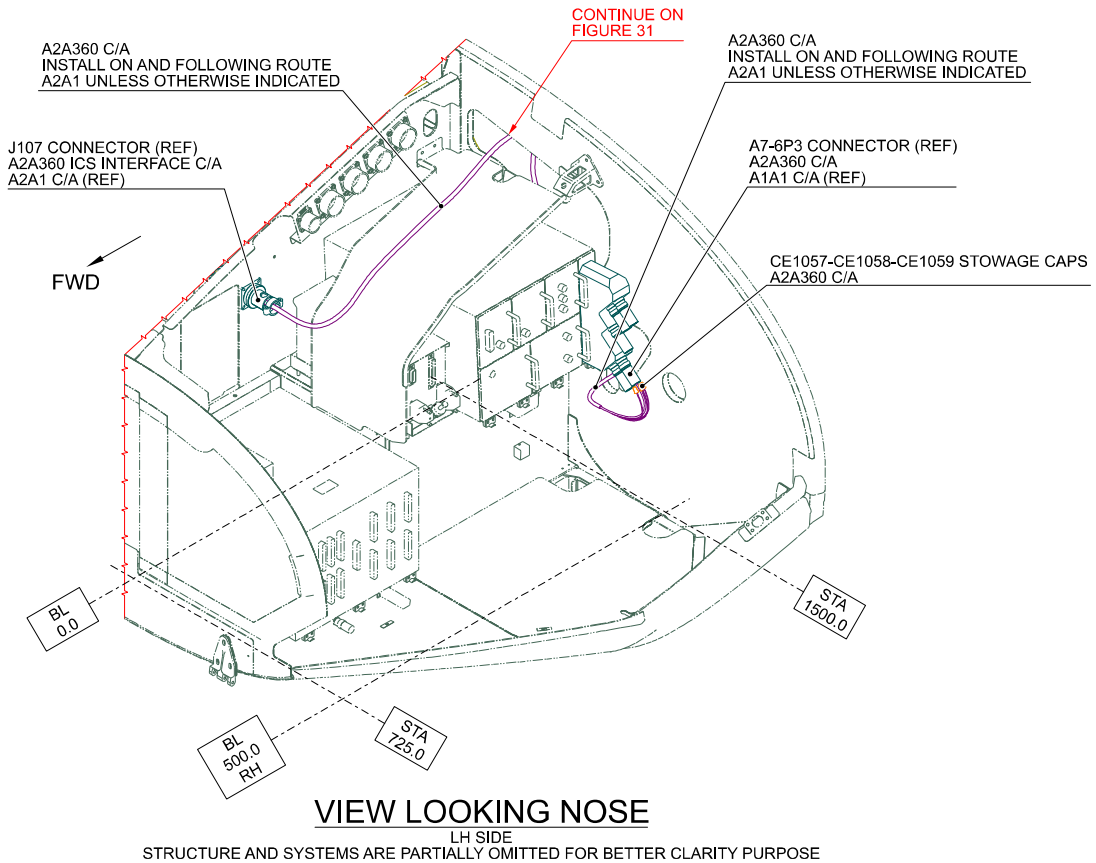
LOCATION NUMBER	PART. NUMBER	STA	BL	WL	ORIENTATION
①	A366A3E18C	5539	-243	2482	-
②	A366A3E32C	5539	-93	2482	-
③	A366A3E18C75	5698	-427	2517	-
④	A366A3E18C75	5698	-297	2517	-

Figure 28

**ICS PAX INTERFACE ELECTRICAL PROVISION**  
**3G2350A07412**

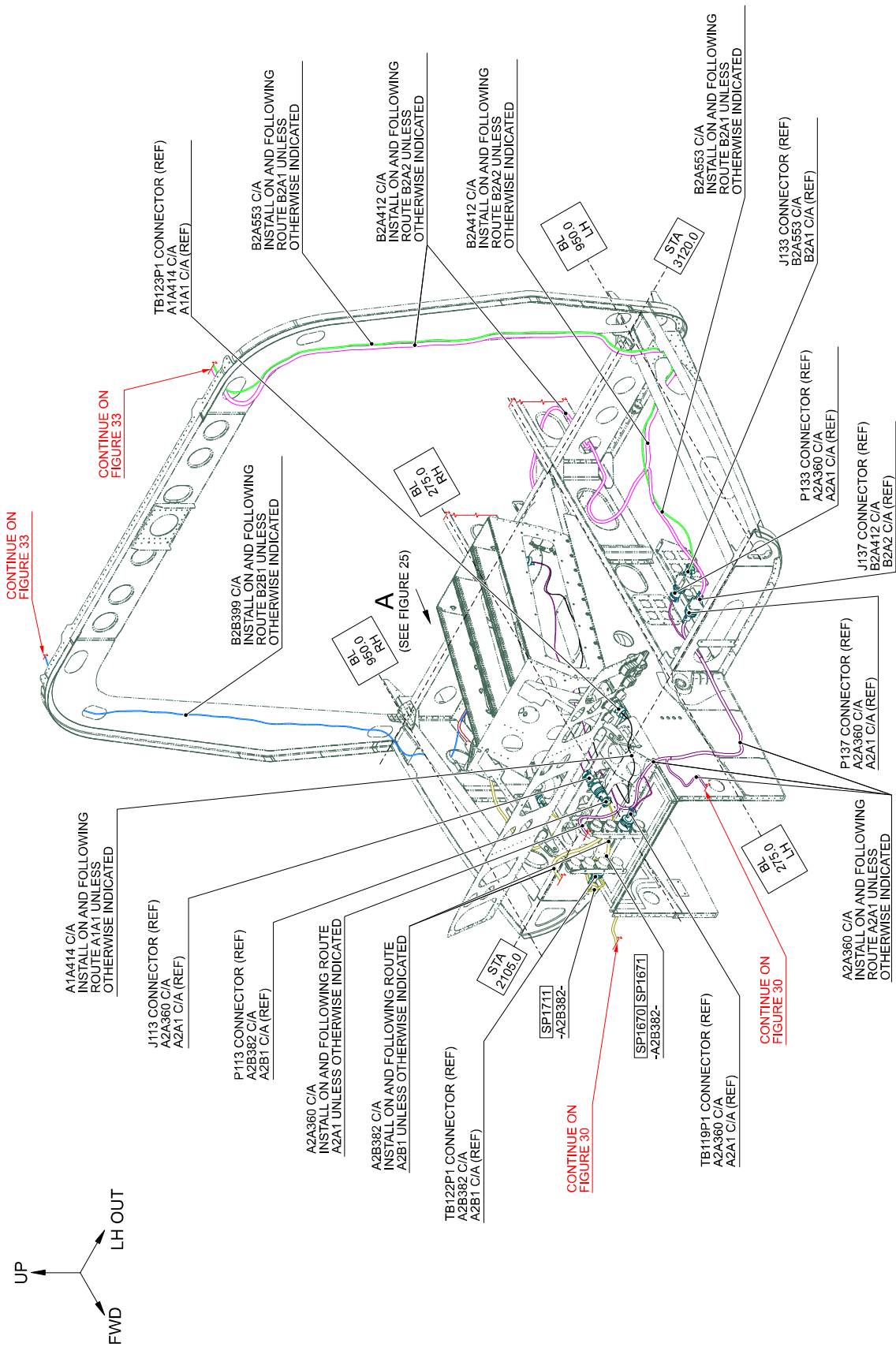


**Figure 29**



**Figure 30**



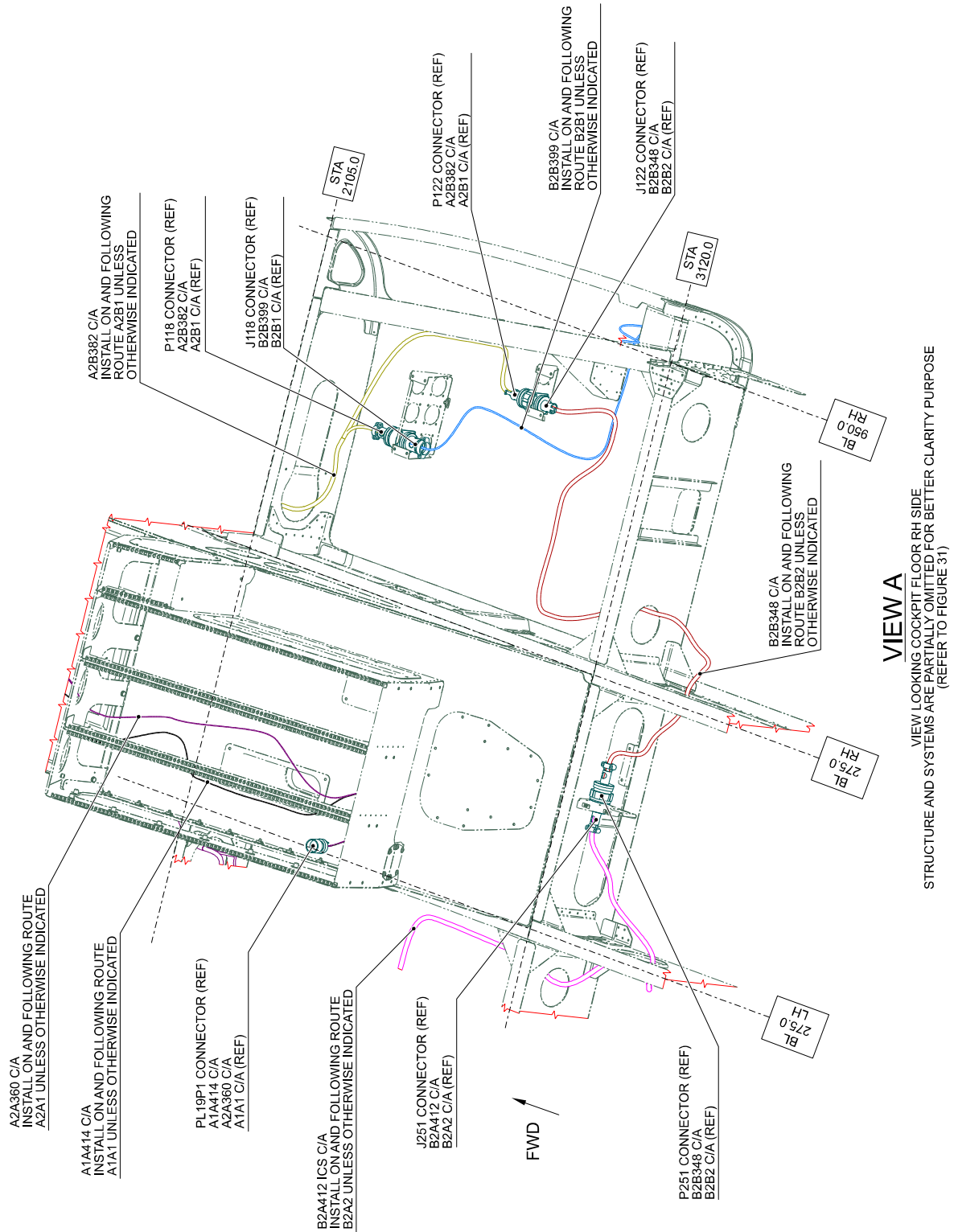


**VIEW LOOKING DOWN COCKPIT FLOOR**  
LH SIDE

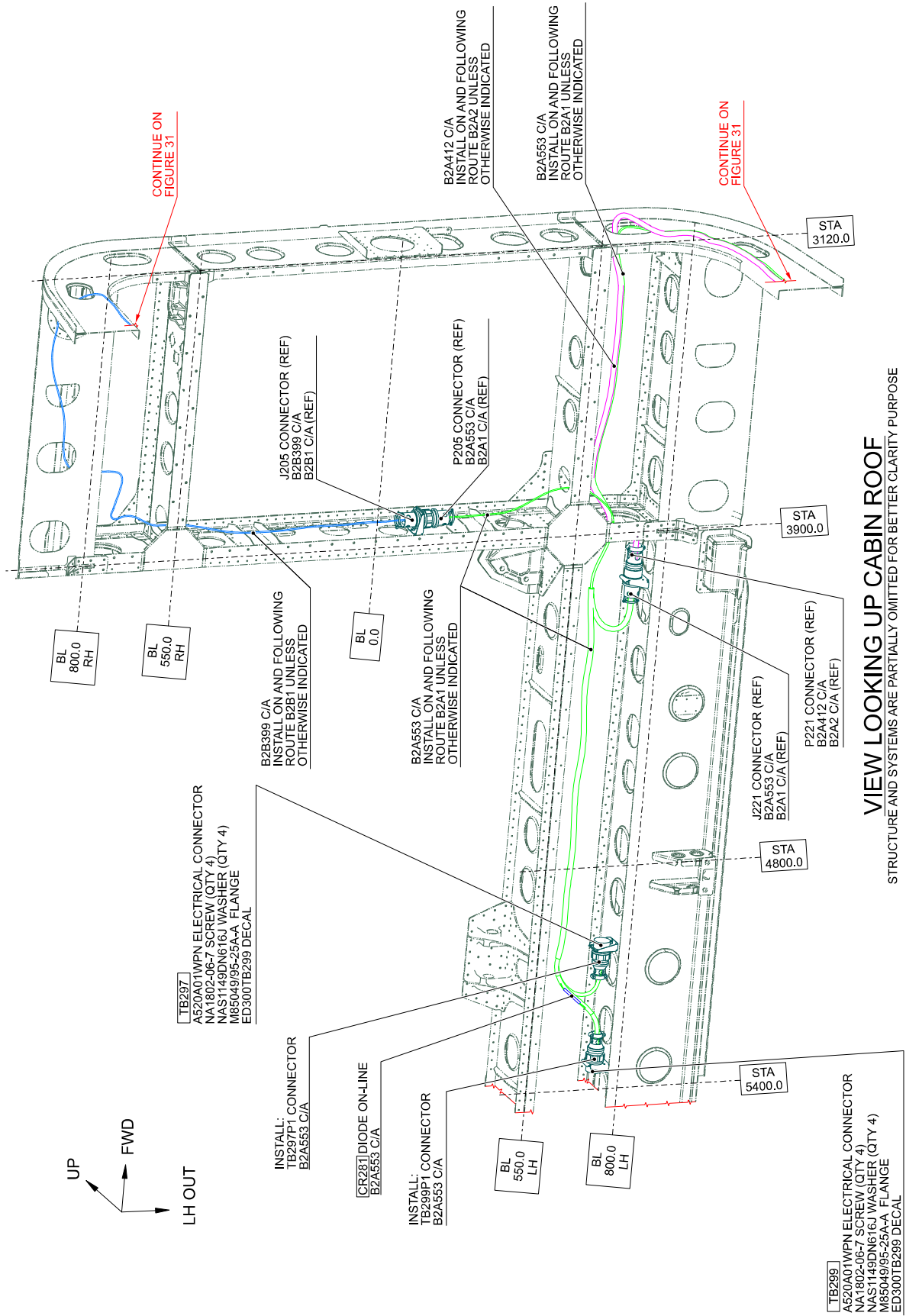
STRUCTURE AND SYSTEMS ARE PARTIALLY OMITTED FOR BETTER CLARITY PURPOSE

**Figure 31**

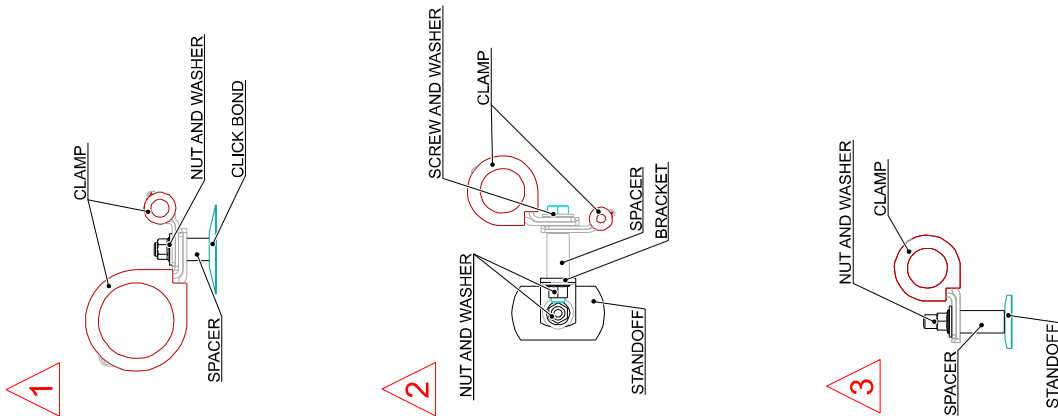
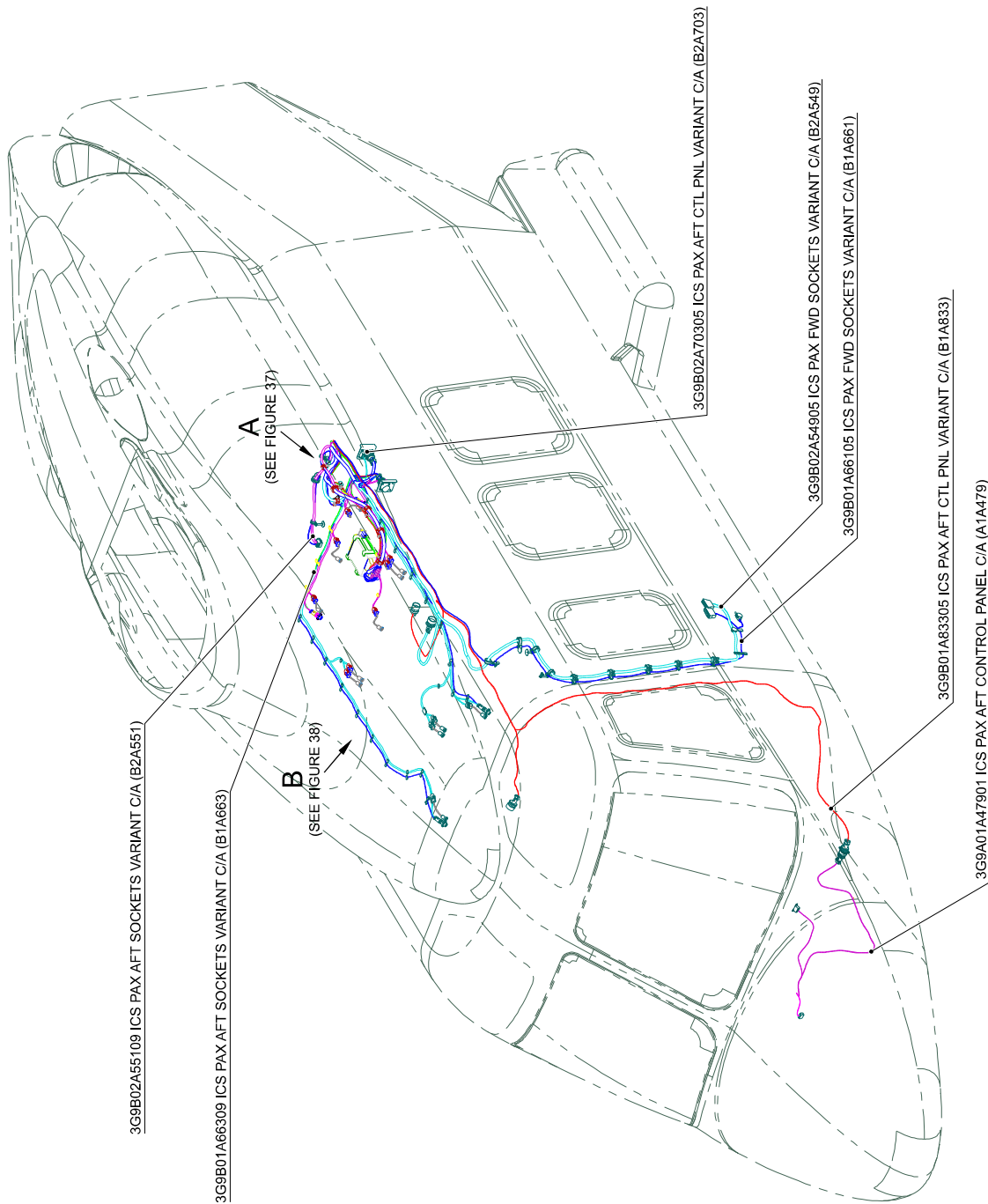




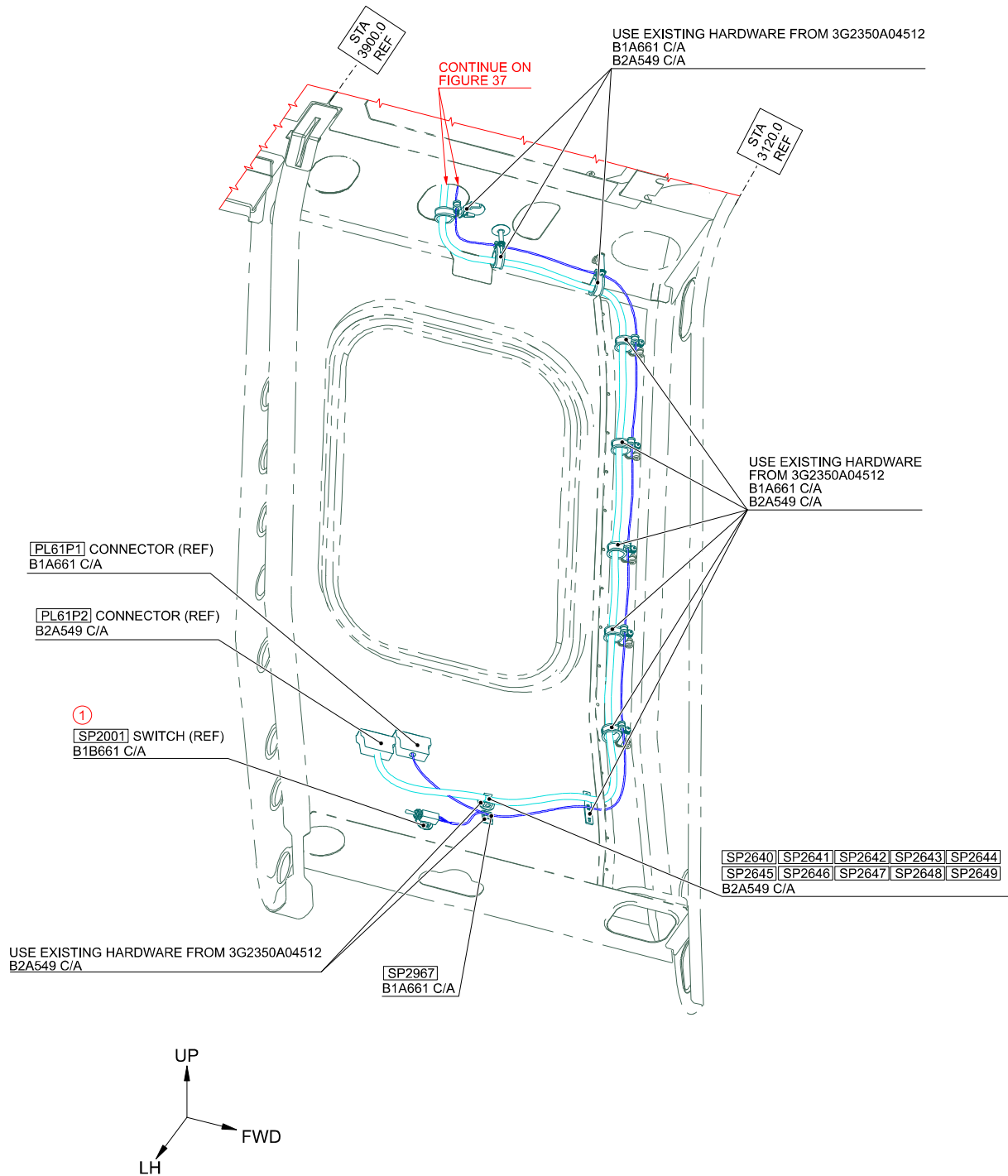
**Figure 32**



**Figure 33**



**Figure 34**

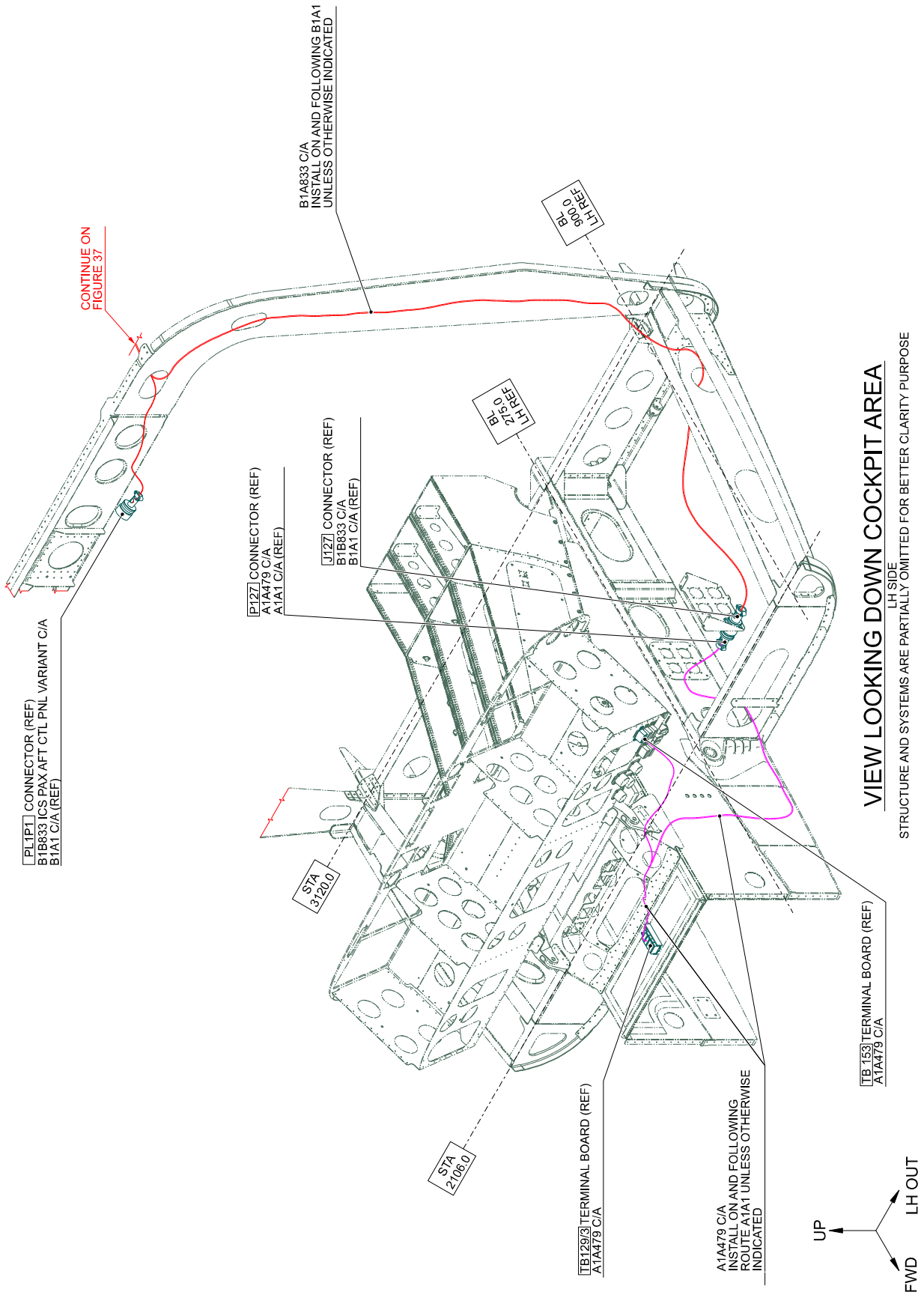


**VIEW LOOKING WINDOW LH SIDE**  
STRUCTURE AND SYSTEMS ARE PARTIALLY OMITTED FOR BETTER CLARITY PURPOSE

INSTALL ELECTRICAL SUPPORT REPORTED IN TABLE BELOW:

LOCATION NUMBER	PART. NUMBER	STA	BL	WL	ORIENTATION
①	AW001CL002C-X2	3800	-1064	1187	-

**Figure 35**



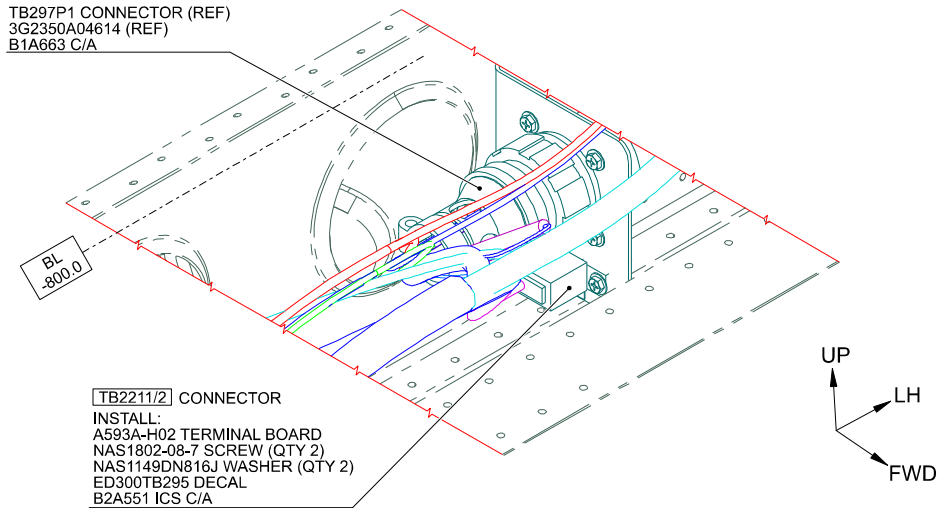
**Figure 36**





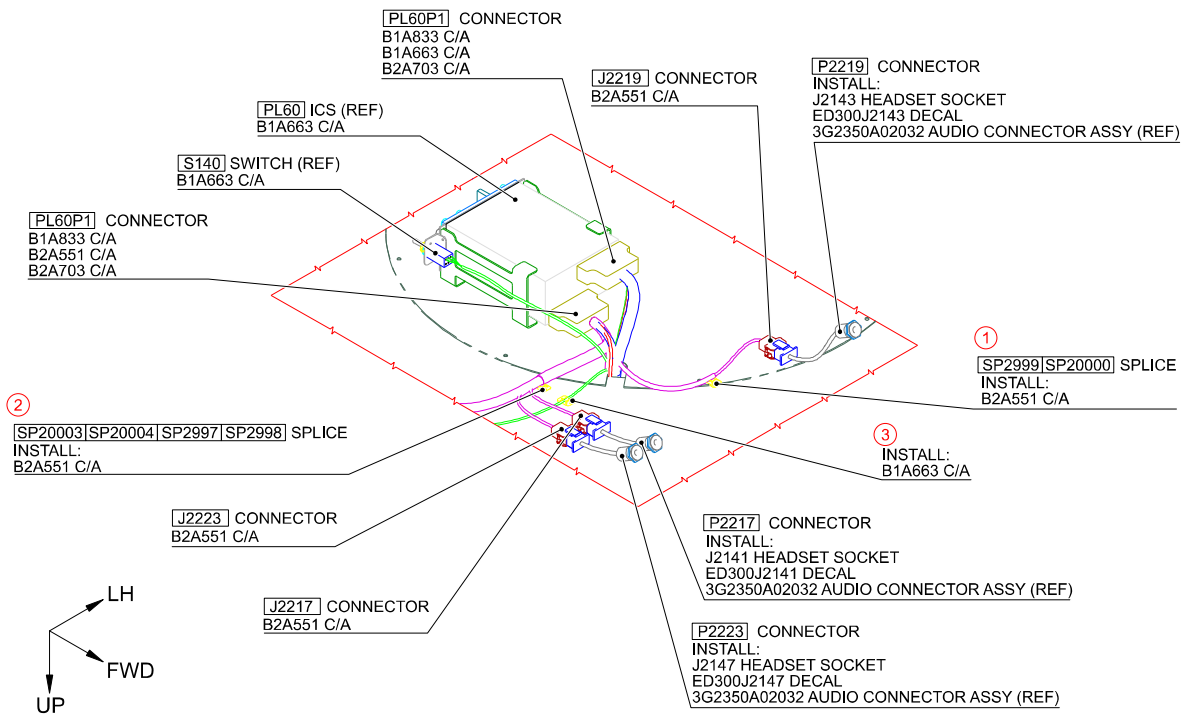






### DETAIL C

STRUCTURE AND SYSTEMS ARE PARTIALLY OMITTED FOR BETTER CLARITY PURPOSE  
(REFER TO FIGURE 37)



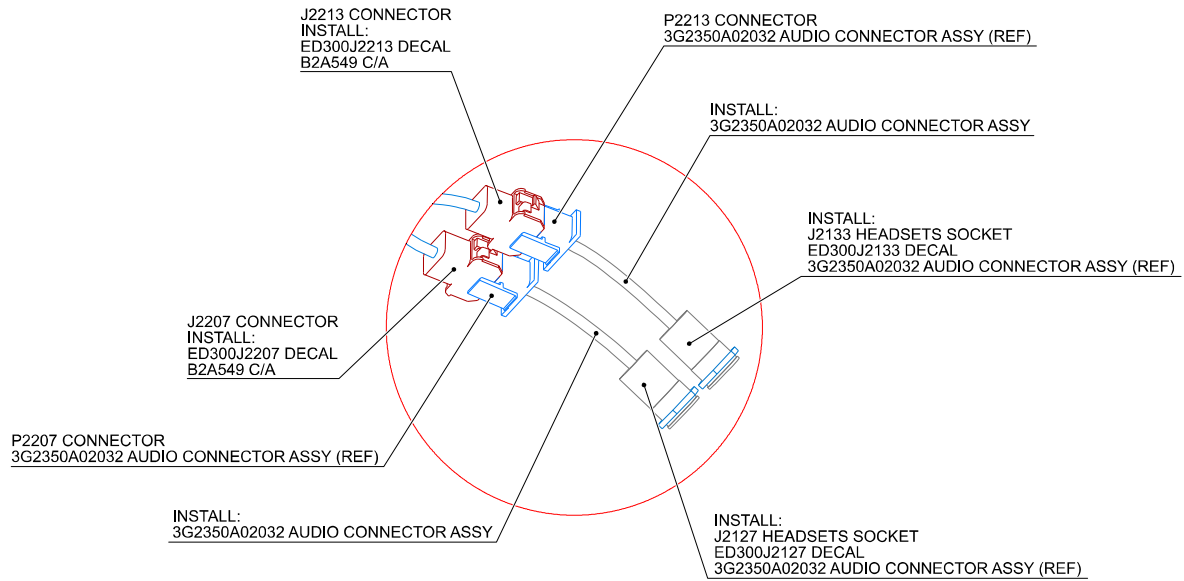
### DETAIL D

STRUCTURE AND SYSTEMS ARE PARTIALLY OMITTED FOR BETTER CLARITY PURPOSE  
(REFER TO FIGURE 38)

INSTALL ELECTRICAL SUPPORT REPORTED IN TABLE BELOW:

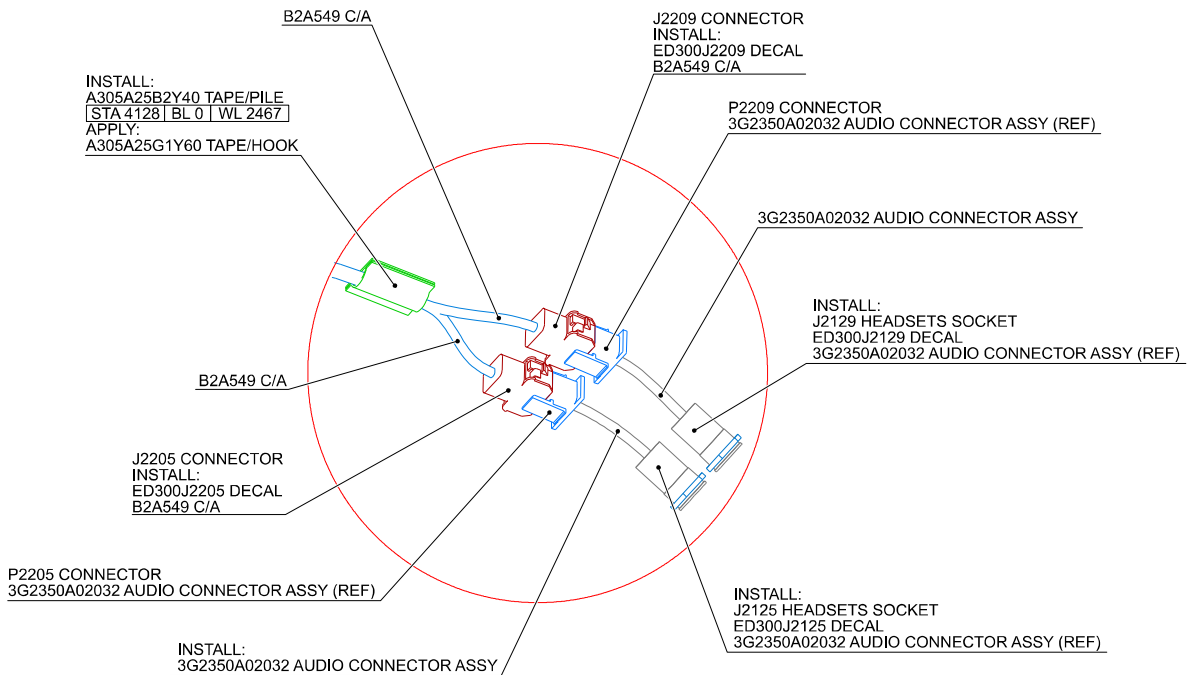
LOCATION NUMBER	PART. NUMBER	STA	BL	WL	ORIENTATION
①	AW001CL001-N6	4881	-160	2468	-
②	AW001CL001-N6	5021	-317	2468	-
③	AW001CL001-N6	4979	-317	2468	-

Figure 39



**DETAIL E**

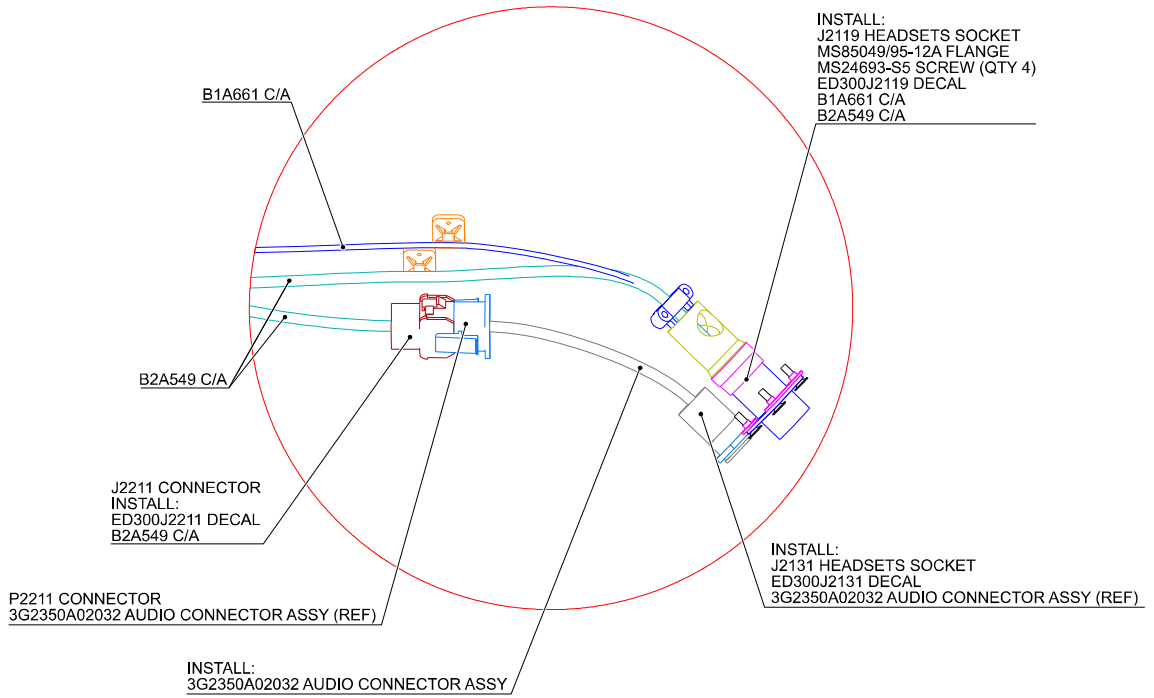
STRUCTURE AND SYSTEMS ARE PARTIALLY OMITTED FOR BETTER CLARITY PURPOSE  
(REFER TO FIGURE 38)



**DETAIL F**

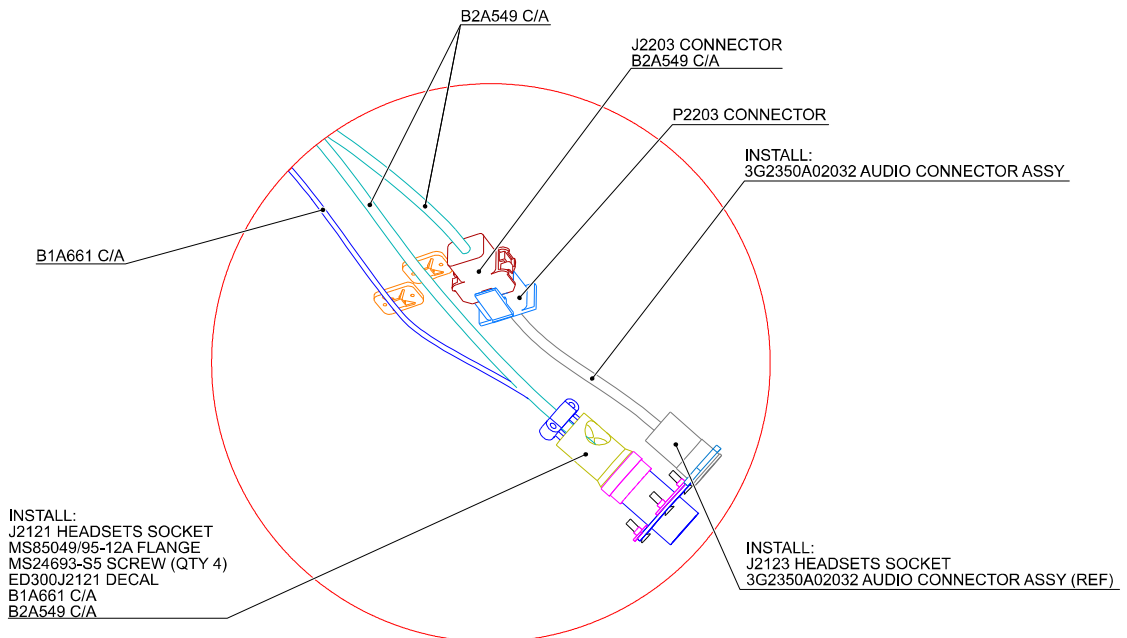
STRUCTURE AND SYSTEMS ARE PARTIALLY OMITTED FOR BETTER CLARITY PURPOSE  
(REFER TO FIGURE 38)

**Figure 40**



**DETAIL G**

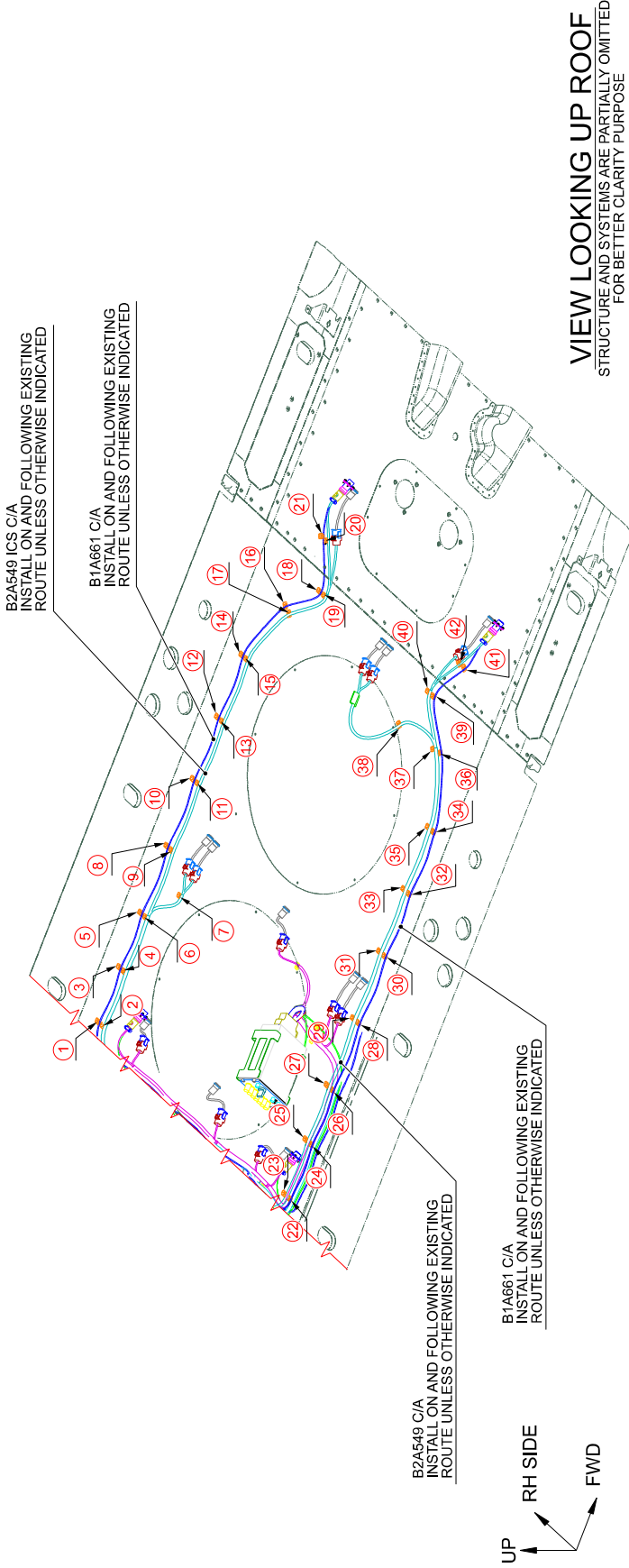
STRUCTURE AND SYSTEMS ARE PARTIALLY OMITTED FOR BETTER CLARITY PURPOSE  
(REFER TO FIGURE 38)



**DETAIL H**

STRUCTURE AND SYSTEMS ARE PARTIALLY OMITTED FOR BETTER CLARITY PURPOSE  
(REFER TO FIGURE 38)

**Figure 41**



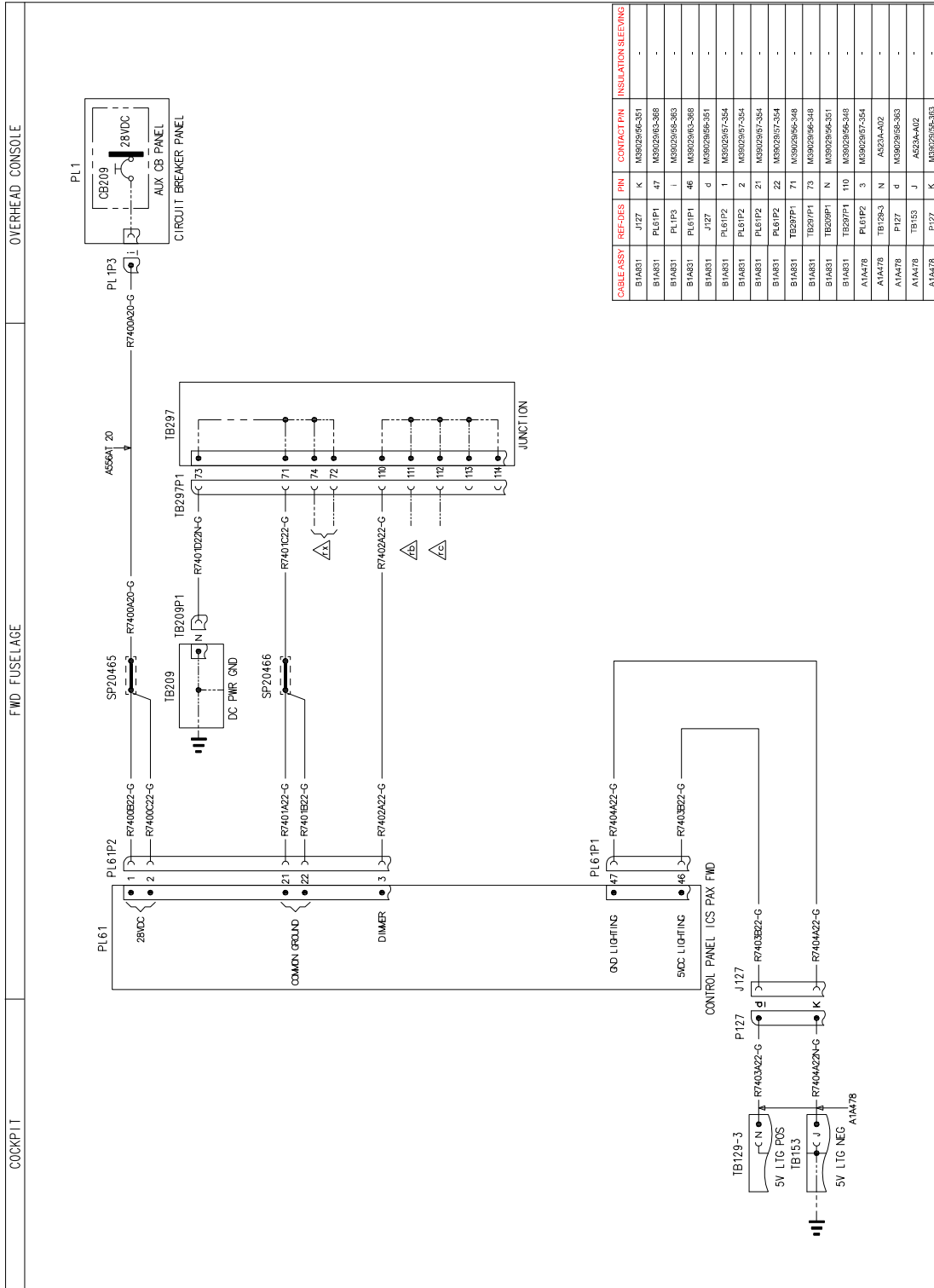
**VIEW LOOKING UP ROOF**  
STRUCTURE AND SYSTEMS ARE PARTIALLY OMITTED  
FOR BETTER CLARITY PURPOSE

INSTALL ELECTRICAL SUPPORT REPORTED IN TABLE BELOW:

LOCATION NUMBER	PART. NUMBER	STA	BL	WL	LOCATION NUMBER	PART. NUMBER	STA	BL	WL	LOCATION NUMBER	PART. NUMBER	STA	BL	WL
①	AW001CL001-N6	5450	480	2468	⑭	AW001CL001-N6	4270	480	2468	⑲	AW001CL001-N6	4470	455	2468
②	AW001CL001-N6	5450	455	2468	⑮	AW001CL001-N6	4270	455	2468	⑳	AW001CL001-N6	4270	480	2468
③	AW001CL001-N6	5275	480	2468	⑯	AW001CL001-N6	4060	390	2468	㉑	AW001CL001-N6	4470	455	2468
④	AW001CL001-N6	5275	455	2468	⑰	AW001CL001-N6	4070	385	2468	㉒	AW001CL001-N6	4670	480	2468
⑤	AW001CL001-N6	5099	480	2468	⑱	AW001CL001-N6	3950	285	2468	㉓	AW001CL001-N6	4670	455	2468
⑥	AW001CL001-N6	5099	455	2468	⑳	AW001CL001-N6	3950	280	2468	㉔	AW001CL001-N6	4470	480	2468
⑦	AW001CL001-N6	4975	360	2468	㉑	AW001CL001-N6	3816	332	2468	㉕	AW001CL001-N6	4270	455	2468
⑧	AW001CL001-N6	4885	480	2468	㉒	AW001CL001-N6	3816	357	2468	㉖	AW001CL001-N6	4270	480	2468
⑨	AW001CL001-N6	4885	555	2468	㉓	AW001CL001-N6	5450	480	2468	㉗	AW001CL001-N6	4270	455	2468
⑩	AW001CL001-N6	4670	480	2468	㉔	AW001CL001-N6	5450	455	2468	㉘	AW001CL001-N6	4070	390	2468
⑪	AW001CL001-N6	4670	455	2468	㉕	AW001CL001-N6	5275	480	2468	㉙	AW001CL001-N6	4074	3816	2468
⑫	AW001CL001-N6	4470	480	2468	㉖	AW001CL001-N6	5275	455	2468	㉚	AW001CL001-N6	4092	200	2468
⑬	AW001CL001-N6	4470	455	2468	㉗	AW001CL001-N6	5100	480	2468	㉛	AW001CL001-N6	3950	285	2468

LOCATION NUMBER	PART. NUMBER	STA	BL	WL
⑭	AW001CL001-N6	3950	-260	2468
⑮	AW001CL001-N6	3816	-357	2468
⑯	AW001CL001-N6	3816	-332	2468

**Figure 42**



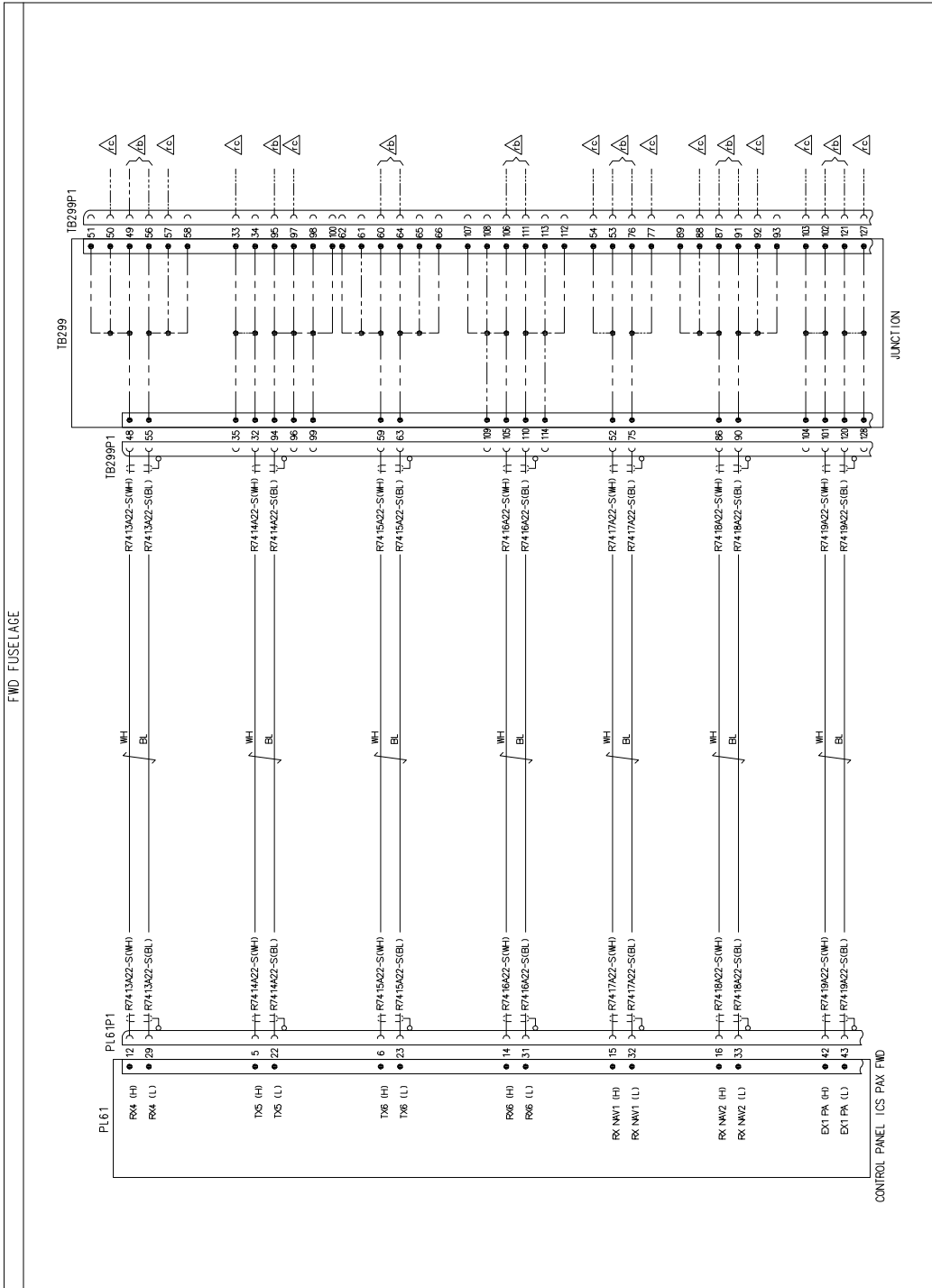
FUNCTIONAL NOTES

ALL CABLES ARE IN LODM B1A831 UNLESS SPECIFIED.  
ALL CABLES ARE OF TYPE A556AT 22 UNLESS SPECIFIED

3G2350W01713  
WIRING DIAGRAM ICS PAX FWD CONTROL PANEL  
SHEET 1

Figure 43





DRAWING REF. KEY  
 ICS PAX AFT CONTROL PANEL  
 3G2350W018+  
 ICS INTERFACE  
 3G2350W021+  
 ICS

CABLE ASSY	REF ID	PN	CONVCT PN	INSULATION SLEEVING
B2A701	TB299P1	48	M39029165-348	M290518-004-C
B2A701	PL61P1	12	M39029163-368	M290518-004-C
B2A701	TB299P1	55	M39029165-348	M290518-004-C
B2A701	PL61P1	29	M39029165-368	M290518-004-C
B2A701	TB299P1	32	M39029165-348	M290518-004-C
B2A701	PL61P1	5	M39029163-368	M290518-004-C
B2A701	TB299P1	64	M39029165-348	M290518-004-C
B2A701	PL61P1	22	M39029163-368	M290518-004-C
B2A701	TB299P1	59	M39029165-348	M290518-004-C
B2A701	PL61P1	6	M39029163-368	M290518-004-C
B2A701	TB299P1	63	M39029165-348	M290518-004-C
B2A701	PL61P1	23	M39029163-368	M290518-004-C
B2A701	TB299P1	105	M39029165-348	M290518-004-C
B2A701	PL61P1	14	M39029163-368	M290518-004-C
B2A701	TB299P1	110	M39029165-348	M290518-004-C
B2A701	PL61P1	31	M39029163-368	M290518-004-C
B2A701	TB299P1	52	M39029165-348	M290518-004-C
B2A701	PL61P1	15	M39029163-368	M290518-004-C
B2A701	TB299P1	75	M39029165-348	M290518-004-C
B2A701	PL61P1	32	M39029163-368	M290518-004-C
B2A701	TB299P1	86	M39029165-348	M290518-004-C
B2A701	PL61P1	16	M39029163-368	M290518-004-C
B2A701	TB299P1	80	M39029165-348	M290518-004-C
B2A701	PL61P1	33	M39029163-368	M290518-004-C
B2A701	TB299P1	101	M39029165-348	M290518-004-C
B2A701	PL61P1	42	M39029163-368	M290518-004-C
B2A701	TB299P1	120	M39029165-348	M290518-004-C
B2A701	PL61P1	43	M39029163-368	M290518-004-C

3G2350W01713  
 WIRING DIAGRAM ICS PAX FWD CONTROL PANEL  
 SHEET 3

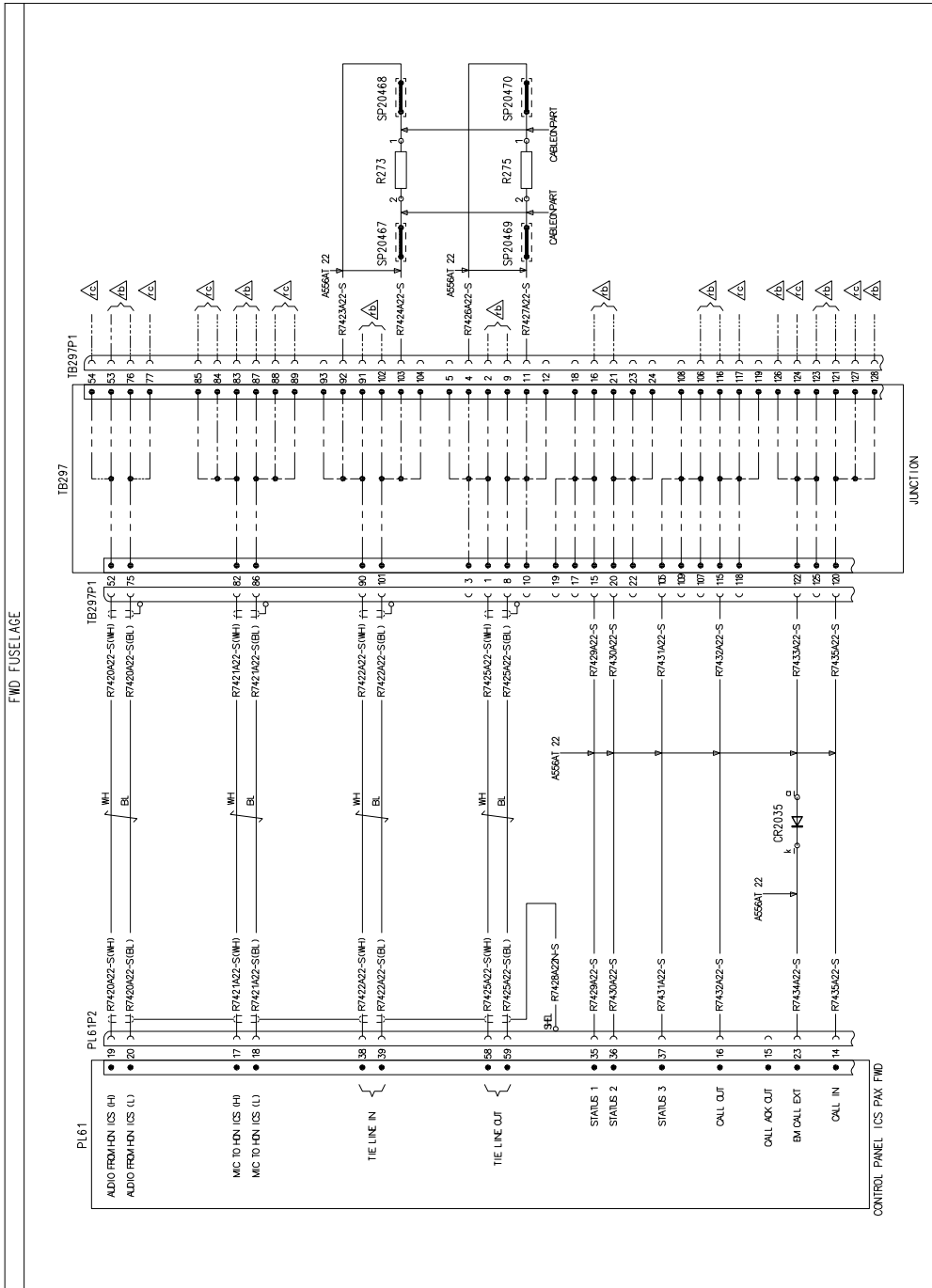
FUNCTIONAL NOTES  
 ALL CABLES ARE IN LOOM B2A701 UNLESS SPECIFIED  
 ALL CABLES ARE OF TYPE A561A12 22 UNLESS SPECIFIED

Figure 45



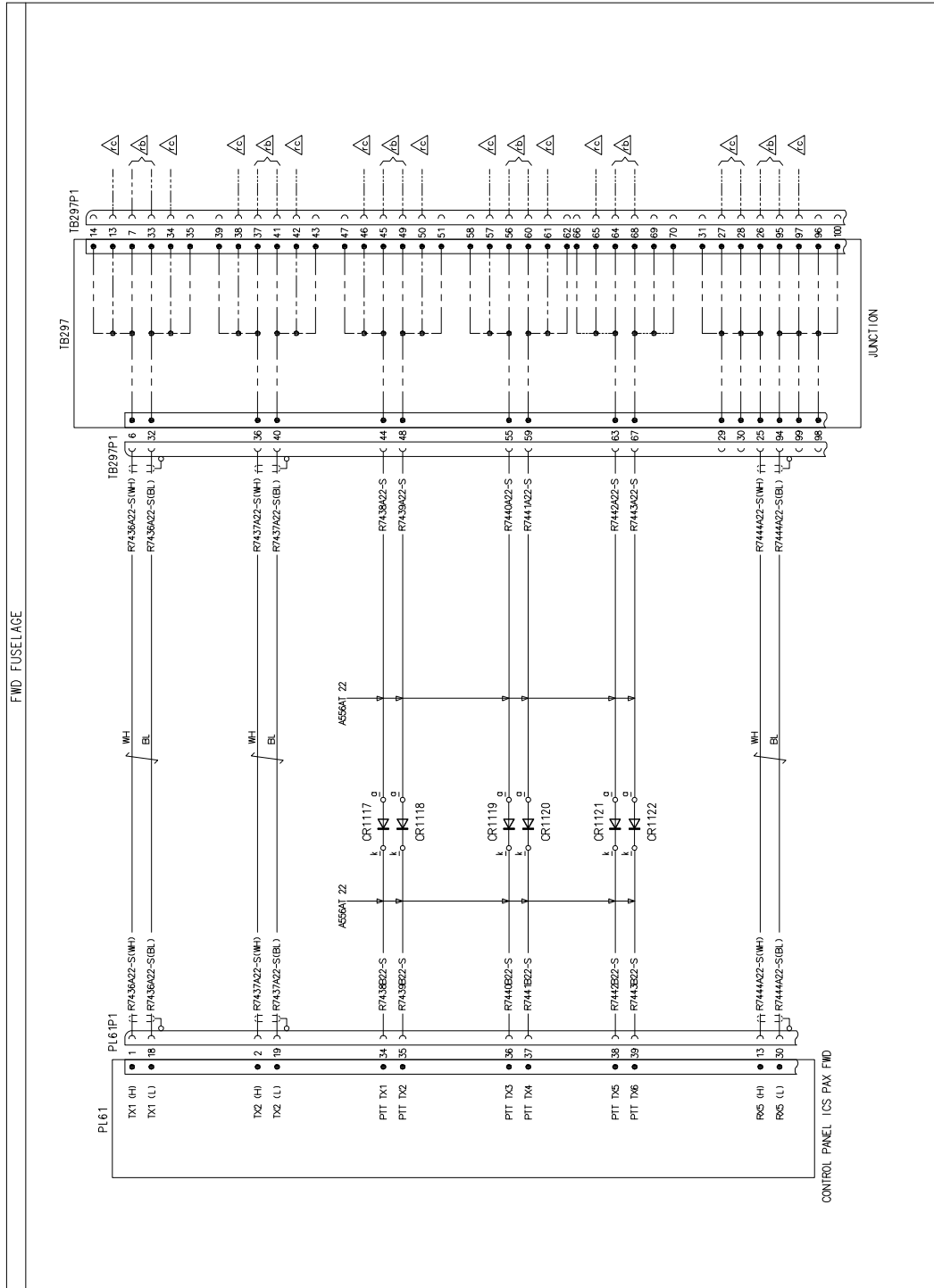
DRAWING REF. KEY  
 △ ICS PAX AFT CONTROL PANEL  
 △ 3G2350W0181  
 △ ICS INTERFACE  
 △ 3G2350W0211

CABLE ASBY	REF-DES	PIN	CONTACT PIN	INSULATION SLEEVING
BZAV01	CR2035	a	A523A-A02	-
BZAV01	TR297P1	722	M392029/65-348	-
BZAV01	CR2035	k	A523A-A02	-
BZAV01	PL61P2	23	M392029/67-354	-
BZAV01	PL61P2	USER	M325305-148	-
BZAV01	PL61P2	36	M392029/7-354	-
BZAV01	TR297P1	15	M392029/66-348	-
BZAV01	PL61P2	37	M392029/67-354	-
BZAV01	TR297P1	106	M392029/66-348	-
BZAV01	PL61P2	16	M392029/67-354	-
BZAV01	TR297P1	115	M392029/66-348	-
BZAV01	PL61P2	14	M392029/67-354	-
BZAV01	TR297P1	103	M392029/66-348	-
BZAV01	TR297P1	52	M392029/66-348	M230538-404-C
BZAV01	PL61P2	19	M392029/67-354	M230538-404-C
BZAV01	TR297P1	75	M392029/66-348	M230538-404-C
BZAV01	PL61P2	20	M392029/67-354	M230538-404-C
BZAV01	TR297P1	82	M392029/66-348	M230538-404-C
BZAV01	PL61P2	17	M392029/67-354	M230538-404-C
BZAV01	TR297P1	86	M392029/66-348	-
BZAV01	PL61P2	18	M392029/67-354	M230538-404-C
BZAV01	TR297P1	101	M392029/66-348	M230538-404-C
BZAV01	PL61P2	39	M392029/67-354	M230538-404-C
BZAV01	TR297P1	90	M392029/66-348	M230538-404-C
BZAV01	PL61P2	38	M392029/67-354	M230538-404-C
BZAV01	TR297P1	92	M392029/66-348	-
BZAV01	TR297P1	1	M392029/66-348	M230538-404-C
BZAV01	PL61P2	58	M392029/67-354	M230538-404-C
BZAV01	TR297P1	8	M392029/66-348	M230538-404-C
BZAV01	PL61P2	59	M392029/67-354	M230538-404-C
BZAV01	TR297P1	4	M392029/66-348	-
BZAV01	TR297P1	11	M392029/66-348	-
BZAV01	TR297P1	20	M392029/66-348	-
BZAV01	PL61P2	35	M392029/67-354	-



FUNCTIONAL NOTES  
 ALL CABLES ARE IN LOW BZAV01 UNLESS SPECIFIED  
 ALL CABLES ARE OF TYPE A561A1Z 2Z UNLESS SPECIFIED

Figure 46



DRAWING REF. KEY  
ICS PAX AFT CONTROL PANEL  
3G2350W0171\*\*  
ICS INTERFACE  
3G2350W021\*\*

CABLE ASSY	REF-DES	FIN	CONTACT PIN	INSULATION SLEEVING
BZA701	CR1117	a	A523A-A02	-
BZA701	TB297P1	44	M39020/06-348	-
BZA701	CR1117	k	A523A-A02	-
BZA701	PL61P1	34	M39020/06-368	-
BZA701	CR1118	a	A523A-A02	-
BZA701	TB297P1	48	M39020/06-348	-
BZA701	CR1118	k	A523A-A02	-
BZA701	PL61P1	35	M39020/06-368	-
BZA701	CR1119	a	A523A-A02	-
BZA701	TB297P1	55	M39020/06-348	-
BZA701	CR1119	k	A523A-A02	-
BZA701	PL61P1	36	M39020/06-368	-
BZA701	CR1120	a	A523A-A02	-
BZA701	PL61P1	59	M39020/06-348	-
BZA701	CR1120	k	A523A-A02	-
BZA701	PL61P1	37	M39020/06-368	-
BZA701	CR1121	a	A523A-A02	-
BZA701	TB297P1	63	M39020/06-348	-
BZA701	CR1121	k	A523A-A02	-
BZA701	PL61P1	38	M39020/06-368	-
BZA701	CR1122	a	A523A-A02	-
BZA701	TB297P1	67	M39020/06-348	-
BZA701	CR1122	k	A523A-A02	-
BZA701	PL61P1	39	M39020/06-368	-
BZA701	TB297P1	32	M39020/06-348	-
BZA701	PL61P1	18	M39020/06-368	-
BZA701	TB297P1	6	M39020/06-348	-
BZA701	PL61P1	1	M39020/06-368	M230538-004-C
BZA701	TB297P1	36	M39020/06-348	M230538-004-C
BZA701	PL61P1	2	M39020/06-368	M230538-004-C
BZA701	TB297P1	40	M39020/06-348	M230538-004-C
BZA701	PL61P1	19	M39020/06-368	M230538-004-C
BZA701	TB297P1	26	M39020/06-348	M230538-004-C
BZA701	PL61P1	13	M39020/06-368	M230538-004-C
BZA701	TB297P1	94	M39020/06-348	M230538-004-C
BZA701	PL61P1	30	M39020/06-368	M230538-004-C

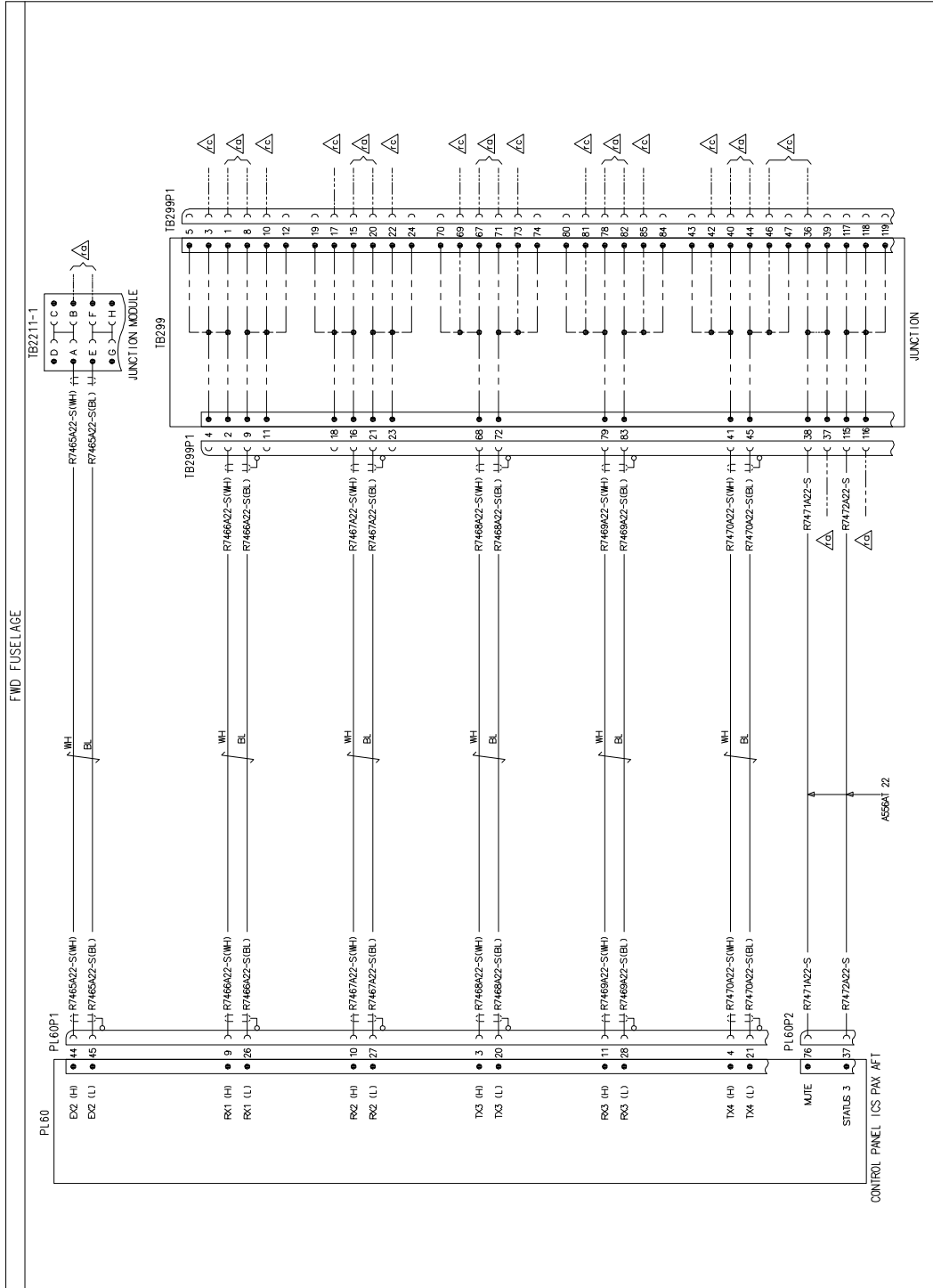
**3G2350W01713**  
**WIRING DIAGRAM ICS PAX FWD CONTROL PANEL**  
SHEET 5

FUNCTIONAL NOTES  
ALL CABLES ARE IN LOW E247011 UNLESS SPECIFIED  
ALL COILS ARE OF TYPE A566AT 2Z UNLESS SPECIFIED

Figure 47



DRAWING REF. KEY  
 △ CS PAX FWD CONTROL PANEL  
 3G2350W017\*\*  
 △ CS INTERFACE  
 3G2350W021\*\*



CABLE ASSY	REF-DES	PIN	CONTACT PIN	INSULATION SLEEVING
B2A703	PL60P2	76	M300265-384	-
B2A703	TE299P1	39	M300265-348	-
B2A703	PL60P2	37	M300265-384	-
B2A703	TE299P1	115	M300265-348	-
B2A703	TE2211/A	A	A523A-A01	M230339-004-C
B2A703	PL60P1	44	M300265-388	M230339-004-C
B2A703	TE2211/A	E	A523A-A01	M230339-004-C
B2A703	PL60P1	45	M300265-388	M230339-004-C
B2A703	TE299P1	2	M300265-348	M230339-004-C
B2A703	PL60P1	9	M300265-388	M230339-004-C
B2A703	TE299P1	9	M300265-388	M230339-004-C
B2A703	PL60P1	26	M300265-388	M230339-004-C
B2A703	TE299P1	16	M300265-348	M230339-004-C
B2A703	PL60P1	10	M300265-388	M230339-004-C
B2A703	TE299P1	21	M300265-348	M230339-004-C
B2A703	PL60P1	27	M300265-388	M230339-004-C
B2A703	TE299P1	68	M300265-348	M230339-004-C
B2A703	PL60P1	3	M300265-388	M230339-004-C
B2A703	TE299P1	72	M300265-348	M230339-004-C
B2A703	PL60P1	20	M300265-388	M230339-004-C
B2A703	TE299P1	79	M300265-348	M230339-004-C
B2A703	PL60P1	11	M300265-388	M230339-004-C
B2A703	TE299P1	83	M300265-348	M230339-004-C
B2A703	PL60P1	28	M300265-388	M230339-004-C
B2A703	TE299P1	41	M300265-348	M230339-004-C
B2A703	PL60P1	4	M300265-388	M230339-004-C
B2A703	TE299P1	45	M300265-348	M230339-004-C
B2A703	PL60P1	21	M300265-388	M230339-004-C

FUNCTIONAL NOTES  
 ALL CABLES ARE IN LOOM B2A703 UNLESS SPECIFIED  
 ALL CABLES ARE OF TYPE A561A12 22 UNLESS SPECIFIED

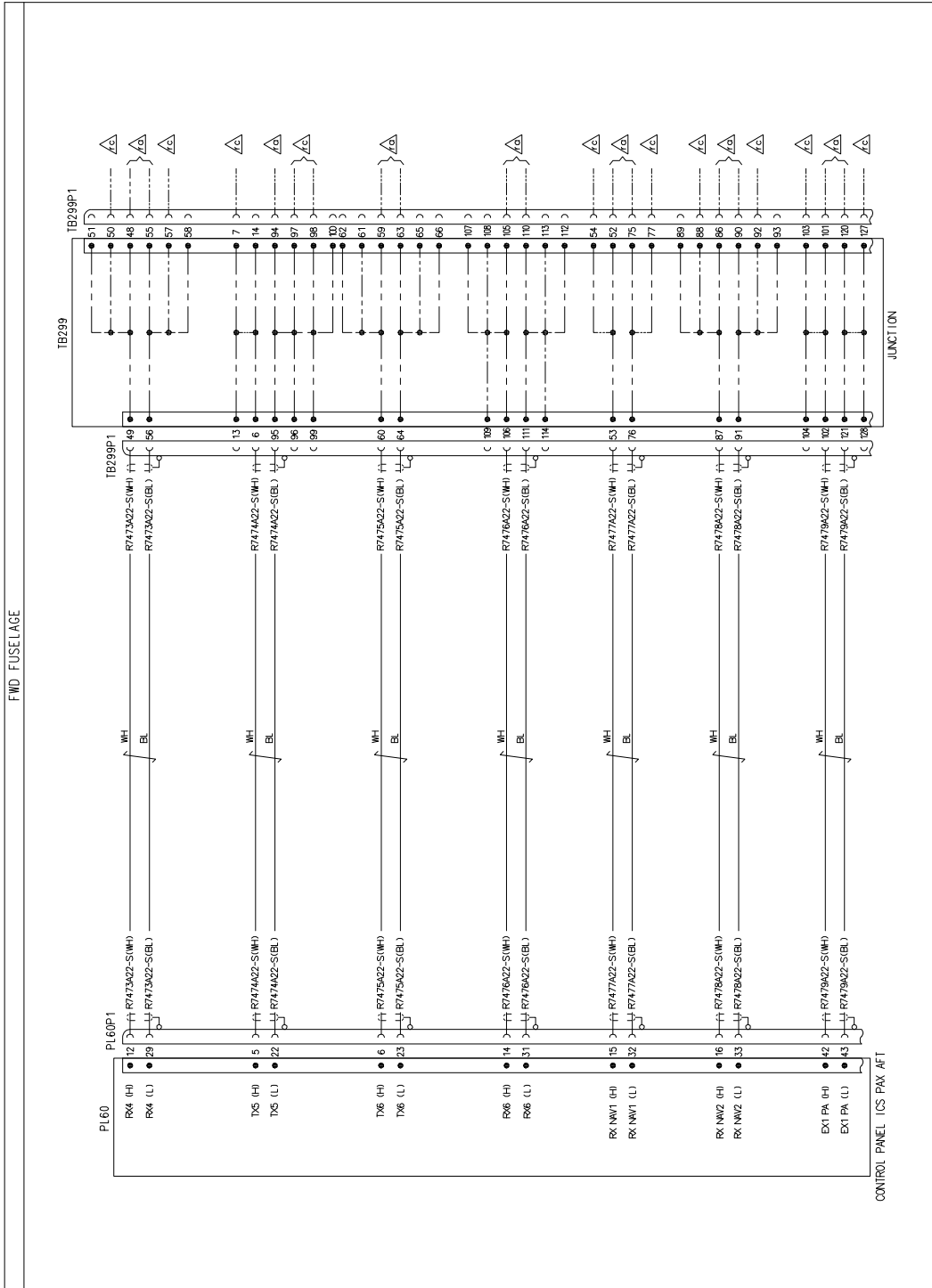
3G2350W01814  
 WIRING DIAGRAM ICS PAX AFT CONTROL PANEL  
 SHEET 2

Figure 49

DRAWING REF. KEY

- △ ICS PAX AFT CONTROL PANEL 3G2350W01814
- △ ICS INTERFACE 3G2350W0211\*\*

CABLE ASSY	REFIDES	PIN	CONTACT PIN	INSULATION BREVING
B2A703	PL60P1	42	M3002965-388	M23083.8-004-C
B2A703	TE299P1	102	M3002965-388	M23083.8-004-C
B2A703	PL60P1	43	M3002965-388	M23083.8-004-C
B2A703	TE299P1	121	M3002965-388	M23083.8-004-C
B2A703	PL60P1	49	M3002965-388	M23083.8-004-C
B2A703	TE299P1	112	M3002965-388	M23083.8-004-C
B2A703	PL60P1	56	M3002965-388	M23083.8-004-C
B2A703	TE299P1	20	M3002965-388	M23083.8-004-C
B2A703	PL60P1	6	M3002965-388	M23083.8-004-C
B2A703	TE299P1	5	M3002965-388	M23083.8-004-C
B2A703	PL60P1	22	M3002965-388	M23083.8-004-C
B2A703	TE299P1	60	M3002965-388	M23083.8-004-C
B2A703	PL60P1	6	M3002965-388	M23083.8-004-C
B2A703	TE299P1	64	M3002965-388	M23083.8-004-C
B2A703	PL60P1	23	M3002965-388	M23083.8-004-C
B2A703	TE299P1	106	M3002965-388	M23083.8-004-C
B2A703	PL60P1	14	M3002965-388	M23083.8-004-C
B2A703	TE299P1	111	M3002965-388	M23083.8-004-C
B2A703	PL60P1	31	M3002965-388	M23083.8-004-C
B2A703	TE299P1	53	M3002965-388	M23083.8-004-C
B2A703	PL60P1	15	M3002965-388	M23083.8-004-C
B2A703	TE299P1	76	M3002965-388	M23083.8-004-C
B2A703	PL60P1	32	M3002965-388	M23083.8-004-C
B2A703	TE299P1	87	M3002965-388	M23083.8-004-C
B2A703	PL60P1	16	M3002965-388	M23083.8-004-C
B2A703	TE299P1	91	M3002965-388	M23083.8-004-C
B2A703	PL60P1	33	M3002965-388	M23083.8-004-C



FUNCTIONAL NOTES  
 ALL CABLES ARE IN LOG# B2A703 UNLESS SPECIFIED  
 ALL CABLES ARE OF TYPE A68A12 22 UNLESS SPECIFIED

3G2350W01814

WIRING DIAGRAM ICS PAX AFT CONTROL PANEL

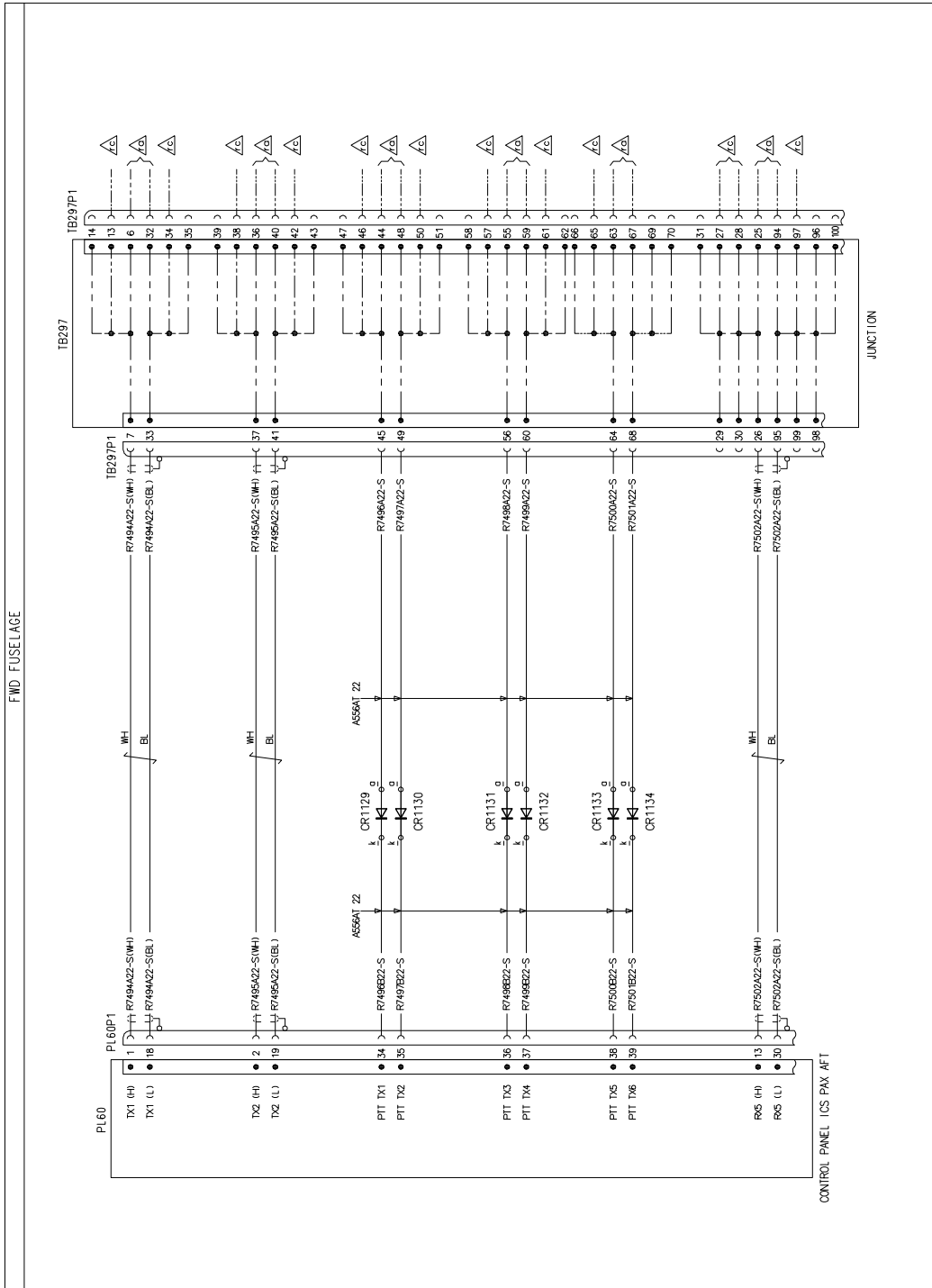
SHEET 3

Figure 50



DRAWING REF. KEY  
 ICS PAX FWP CONTROL PANEL  
 3G2350W0181A  
 ICS INTERFACE  
 3G2350W0211\*\*

CABLE ASSY	REF-DES	PIN	CONTACT PIN	INSULATION SLEEVING
B2A703	TE297P1	33	M3902965-348	M230538-004-C
B2A703	PL60P1	18	M3902963-388	M230538-004-C
B2A703	TE297P1	7	M3902965-348	M230538-004-C
B2A703	PL60P1	1	M3902963-388	M230538-004-C
B2A703	TE297P1	37	M3902965-348	M230538-004-C
B2A703	PL60P1	2	M3902963-388	M230538-004-C
B2A703	TE297P1	41	M3902965-348	M230538-004-C
B2A703	PL60P1	19	M3902963-388	M230538-004-C
B2A703	TE297P1	26	M3902965-348	M230538-004-C
B2A703	PL60P1	13	M3902963-388	M230538-004-C
B2A703	TE297P1	35	M3902965-348	M230538-004-C
B2A703	PL60P1	30	M3902963-388	M230538-004-C



FUNCTIONAL NOTES  
 ALL CABLES ARE IN LOOM B2A703 UNLESS SPECIFIED.  
 ALL CABLES ARE OF TYPE A6B1A12 Z2 UNLESS SPECIFIED

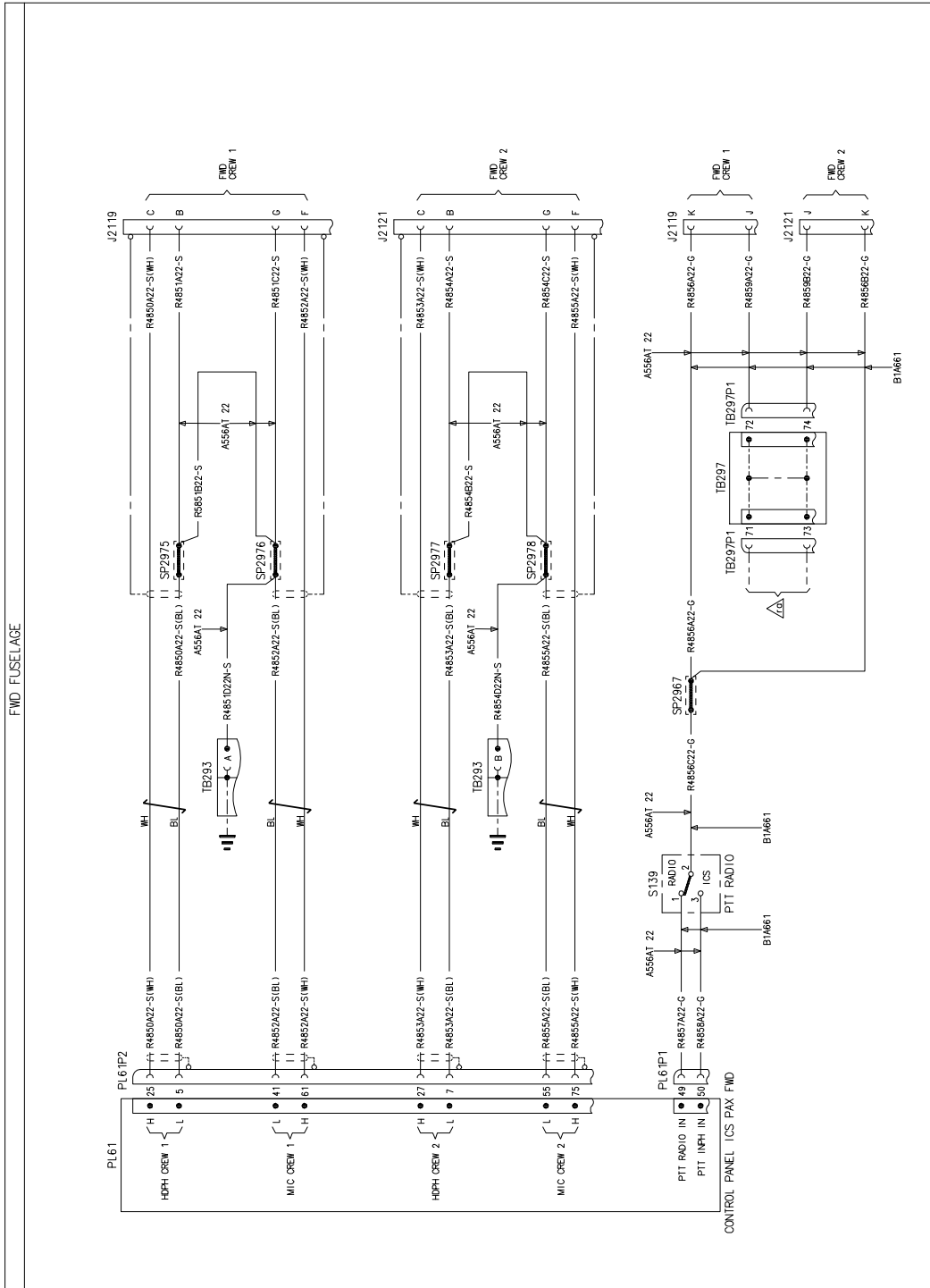
3G2350W0181A  
 WIRING DIAGRAM ICS PAX AFT CONTROL PANEL  
 SHEET 5

Figure 52



DRAWING REF. KEY

ICS PAX FWD CONTROL PANEL  
3G2350W0191



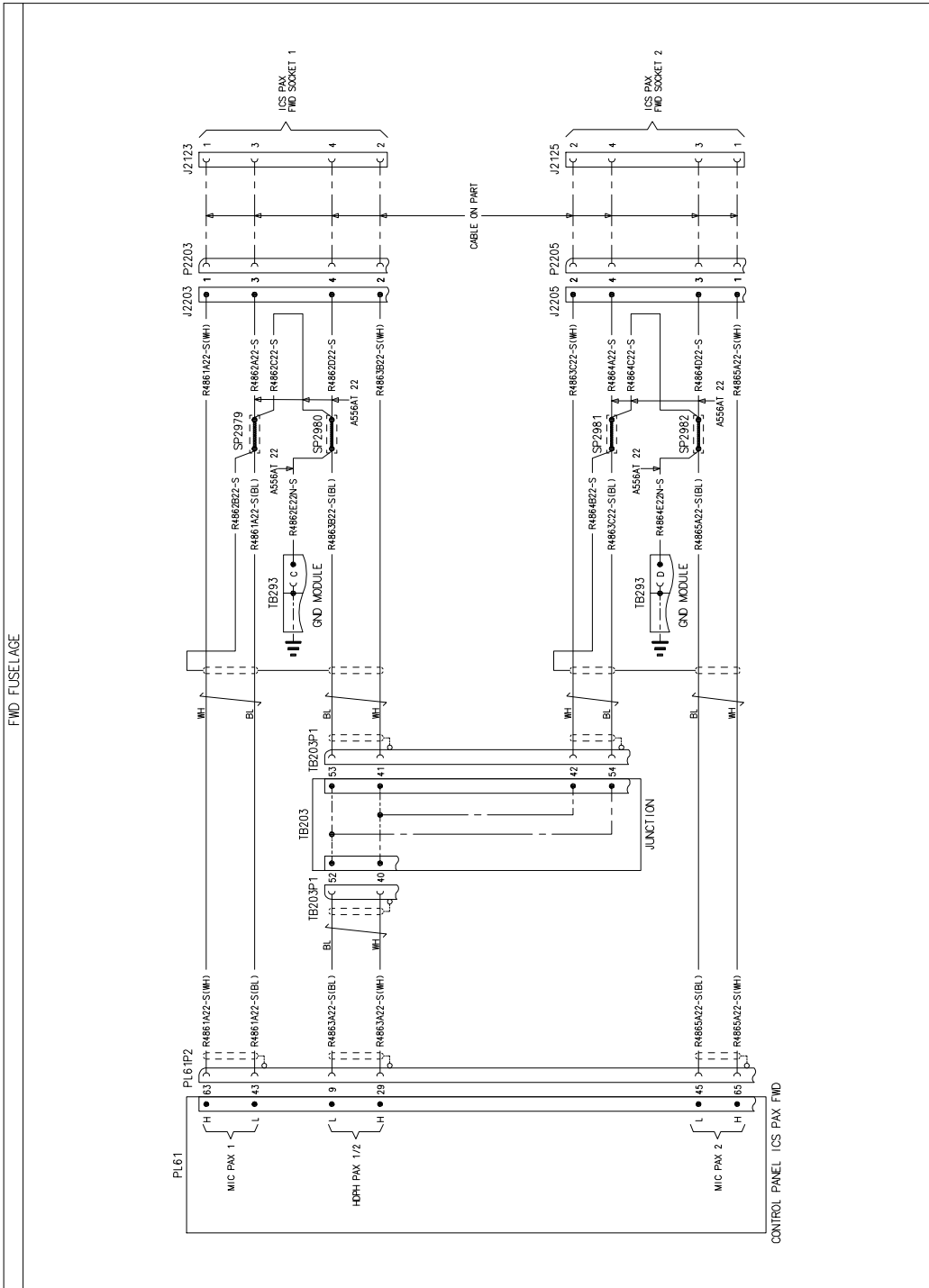
FUNCTIONAL NOTES

RELAYS ARE IN LOCK POSITION UNLESS SPECIFIED.  
ALL CABLES ARE OF TYPE A566A12 22 UNLESS SPECIFIED.

**3G2350W01912**  
**WIRING DIAGRAM ICS PAX FWD SOCKETS**  
SHEET 1

Figure 53

**3G2350W01912**  
**WIRING DIAGRAM ICS PAX FWD SOCKETS**  
 SHEET 2



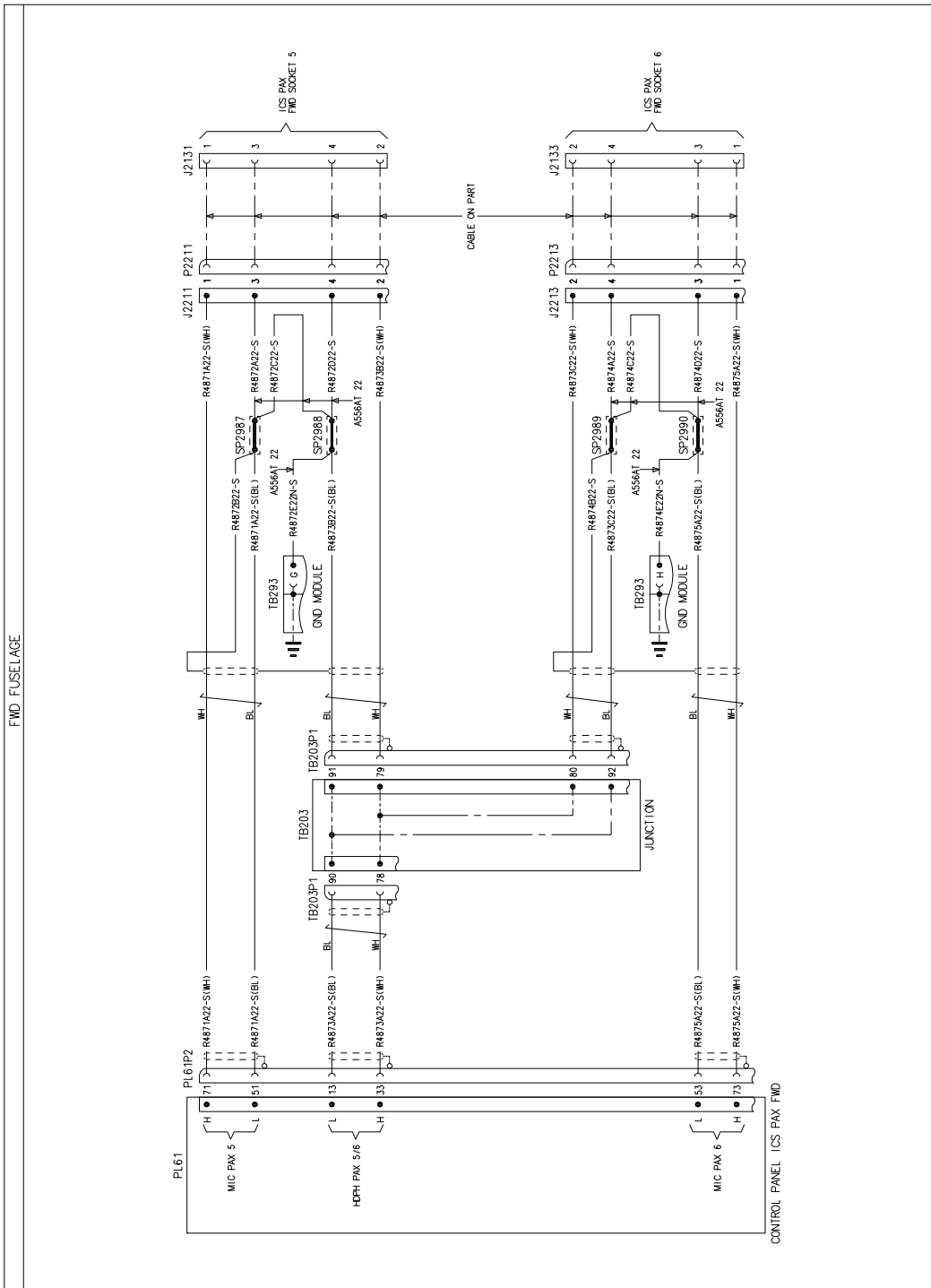
CABLE ASSY	REF-JES	PN	CONTACT PN	INSULATION SLEEVEING
B2A549	J2203	3	35069A-3	-
B2A549	J2205	2	35069A-3	M23053B-004-C
B2A549	TE203P1	42	M3902067-548	M23053B-004-C
B2A549	J2205	4	35069A-3	-
B2A549	PL61P2	43	M3902067-554	M23053B-004-C
B2A549	PL61P2	63	M3902067-554	M23053B-004-C
B2A549	PL61P2	1	35069A-3	M23053B-004-C
B2A549	PL61P2	9	M3902067-554	M23053B-004-C
B2A549	TE203P1	52	M3902067-548	M23053B-004-C
B2A549	PL61P2	26	M3902067-554	M23053B-004-C
B2A549	TE203P1	40	M3902067-548	M23053B-004-C
B2A549	PL61P2	45	M3902067-554	M23053B-004-C
B2A549	PL61P2	85	M3902067-554	M23053B-004-C
B2A549	J2205	1	35069A-3	M23053B-004-C
B2A549	J2203	4	35069A-3	-
B2A549	TE209	C	A523A-402	-
B2A549	TE209P1	54	M3902067-548	M23053B-004-C
B2A549	J2205	3	35069A-3	-
B2A549	TE209	D	A523A-402	-
B2A549	TE203P1	41	M3902067-548	M23053B-004-C
B2A549	J2203	2	35069A-3	M23053B-004-C
B2A549	TE203P1	53	M3902067-548	M23053B-004-C

FUNCTIONAL NOTES  
 ALL CABLES ARE IN LOOM B2A549 UNLESS SPECIFIED  
 ALL CABLES ARE OF TYPE A556AT 22 UNLESS SPECIFIED

Figure 54



**3G2350W01912**  
**WIRING DIAGRAM ICS PAX FWD SOCKETS**  
SHEET 4



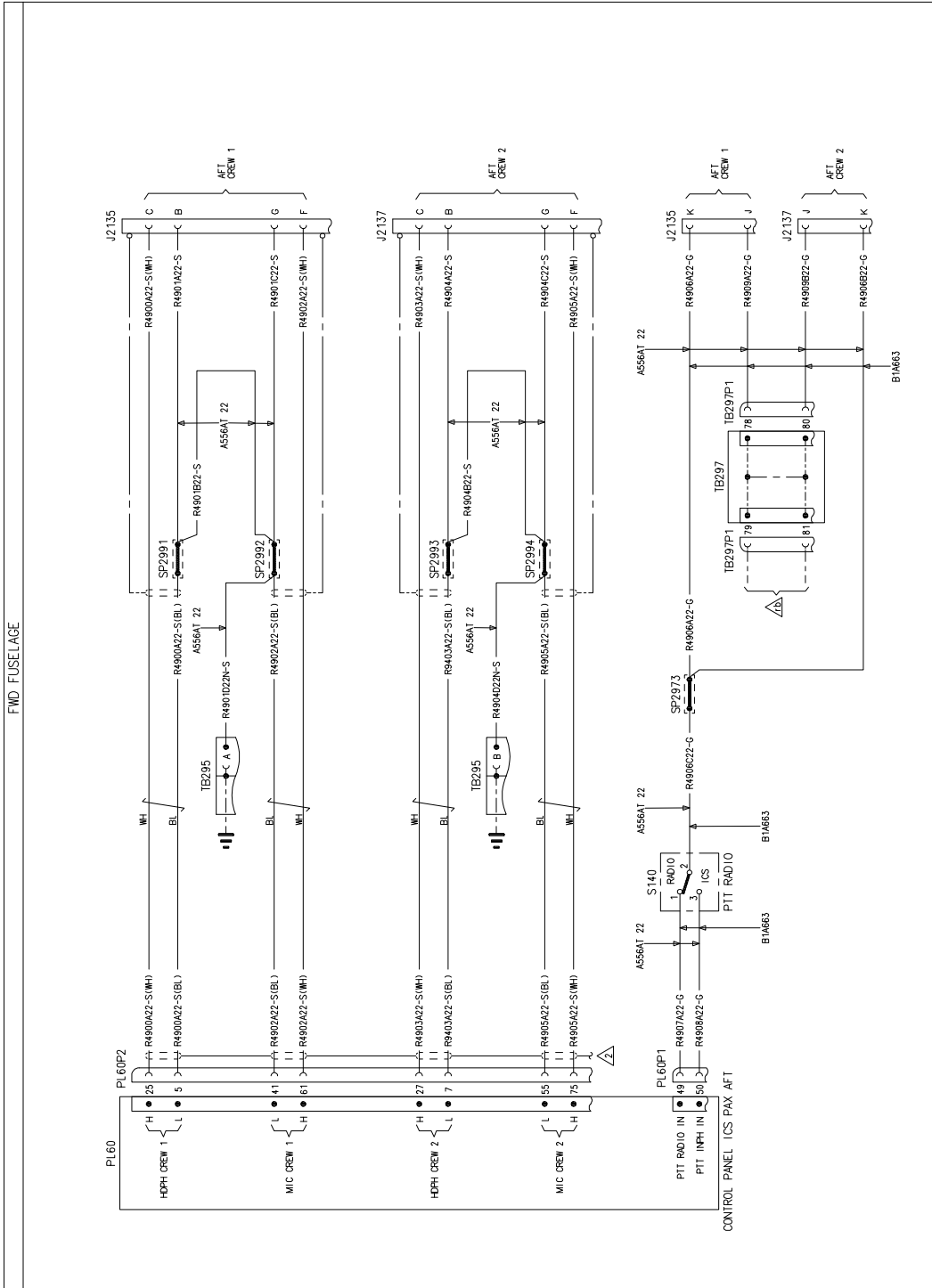
FUNCTIONAL NOTES  
ALL CABLES ARE IN LOOM B2A549 UNLESS SPECIFIED  
ALL CABLES ARE OF TYPE A561A12 22 UNLESS SPECIFIED

Figure 56

DRAWING REF. KEY

ICS PAX AFT CONTROL PANEL  
3G2350W018\*

SHEET NO. 2



CABLE ASSY	REF-DES	PIN	CONTACT PIN	INSULATION SLEEVING
B2A551	J2135	B	M390296-115	-
B2A551	J2137	B	M390296-115	-
B2A551	J2135	G	M390296-115	-
B2A551	TB295	A	A525A-A02	-
B2A551	J2137	G	M390296-115	-
D2A551	TB295	B	A525A-A02	-
B2A551	J2135	C	M390296-115	M23038R4004-C
B2A551	PL60P2	25	M3902957-354	M23038R4004-C
B2A551	PL60P2	5	M3902957-354	M23038R4004-C
B2A551	J2135	F	M390296-115	M23038R4004-C
B2A551	PL60P2	61	M3902957-354	M23038R4004-C
B2A551	PL60P2	41	M3902957-354	M23038R4004-C
B2A551	J2137	C	M390296-115	M23038R4004-C
D2A551	PL60P2	27	M3902957-354	M23038R4004-C
B2A551	J2137	F	M390296-115	M23038R4004-C
B2A551	PL60P2	75	M3902957-354	M23038R4004-C
B2A551	PL60P2	55	M3902957-354	M23038R4004-C
B1A663	J2135	J	M390296-115	-
B1A663	TB297P1	78	M390296-115	-
B1A663	J2137	J	M390296-115	-
B1A663	TB297P1	80	M390296-115	-
B1A663	PL60P1	48	M390296-115	-
B1A663	S140	1	M390291-101	-
B1A663	J2135	K	M390296-115	-
B1A663	S140	2	M390291-101	-
B1A663	S140	3	M390291-101	-
B1A663	PL60P1	50	M390296-115	-

FUNCTIONAL NOTES



ALL CABLES ARE IN LOOM B2A551 UNLESS SPECIFIED  
ALL CABLES ARE OF TYPE A551A22 UNLESS SPECIFIED

3G2350W02012

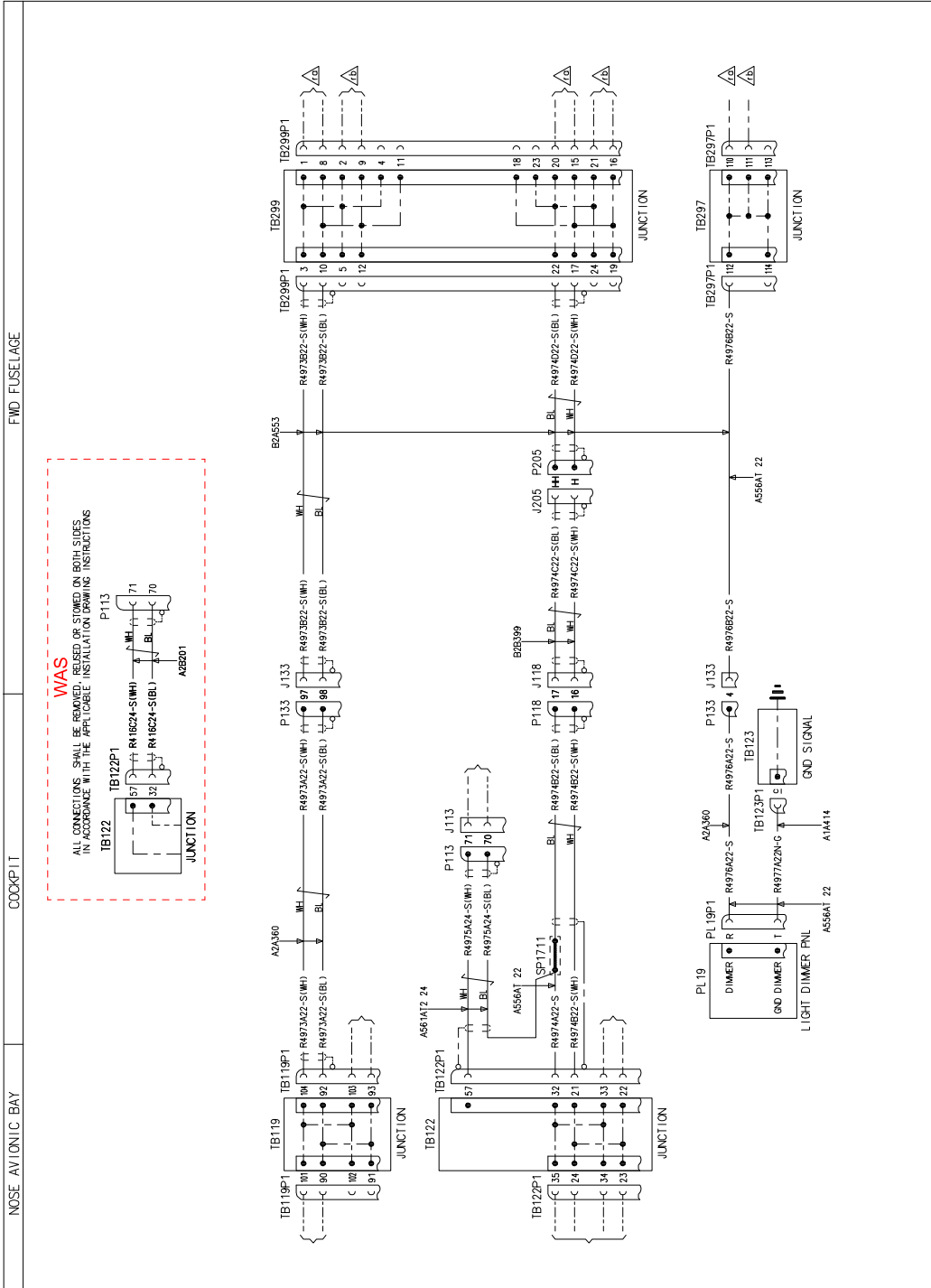
WIRING DIAGRAM ICS PAX AFT SOCKETS

SHEET 1

Figure 57

DRAWING REF. KEY  
 ICS PAX. CTRL PNL  
 3G2350W01714  
 ICS PAX. AFT CTRL PNL  
 3G2350W01614

CABLE ASBY	REF-CDES	FIN	CONTACT FIN	INSULATION SLEEVING
A2B382	P133	70	M3020295-300	M230539-004-C
A2B382	P133	71	M3020295-300	M230539-004-C
A2B382	P118	16	M3020295-300	M230539-004-C
A2B382	P118	17	M3020295-300	M230539-004-C
A2B382	TB122P1	57	M3020295-348	-
A2B382	TB122P1	32	M3020295-348	-
A2A360	TB122P1	21	M3020295-348	M230539-004-C
A2A360	P133	97	M3020295-348	M230539-004-C
A2A360	TB119P1	104	M3020295-348	M230539-004-C
A2A360	P133	98	M3020295-348	M230539-004-C
A2A360	TB119P1	82	M3020295-348	M230539-004-C
A2A360	P133	4	M3020295-360	-
A2A360	PL19P1	R	M3020295-348	-
B2A553	J133	4	M3020295-348	-
B2A553	TB297P1	112	M3020295-348	-
B2A553	P205	H	M3020295-303	M230539-004-C
B2A553	TB298P1	17	M3020295-348	M230539-004-C
B2A553	P205	HH	M3020295-303	M230539-004-C
B2A553	TB298P1	22	M3020295-348	M230539-004-C
B2A553	TB298P1	3	M3020295-348	M230539-004-C
B2A553	J133	97	M3020295-348	M230539-004-C
B2A553	TB298P1	10	M3020295-348	M230539-004-C
B2A553	J133	98	M3020295-348	M230539-004-C
B2B399	J118	16	M3020295-348	M230539-004-C
B2B399	J205	H	M3020295-351	M230539-004-C
B2B399	J118	17	M3020295-348	M230539-004-C
B2B399	J205	HH	M3020295-351	M230539-004-C
A1A14	PL19P1	T	M3020295-351	-
A1A14	TB123P1	C	M3020295-351	-



FUNCTIONAL NOTES

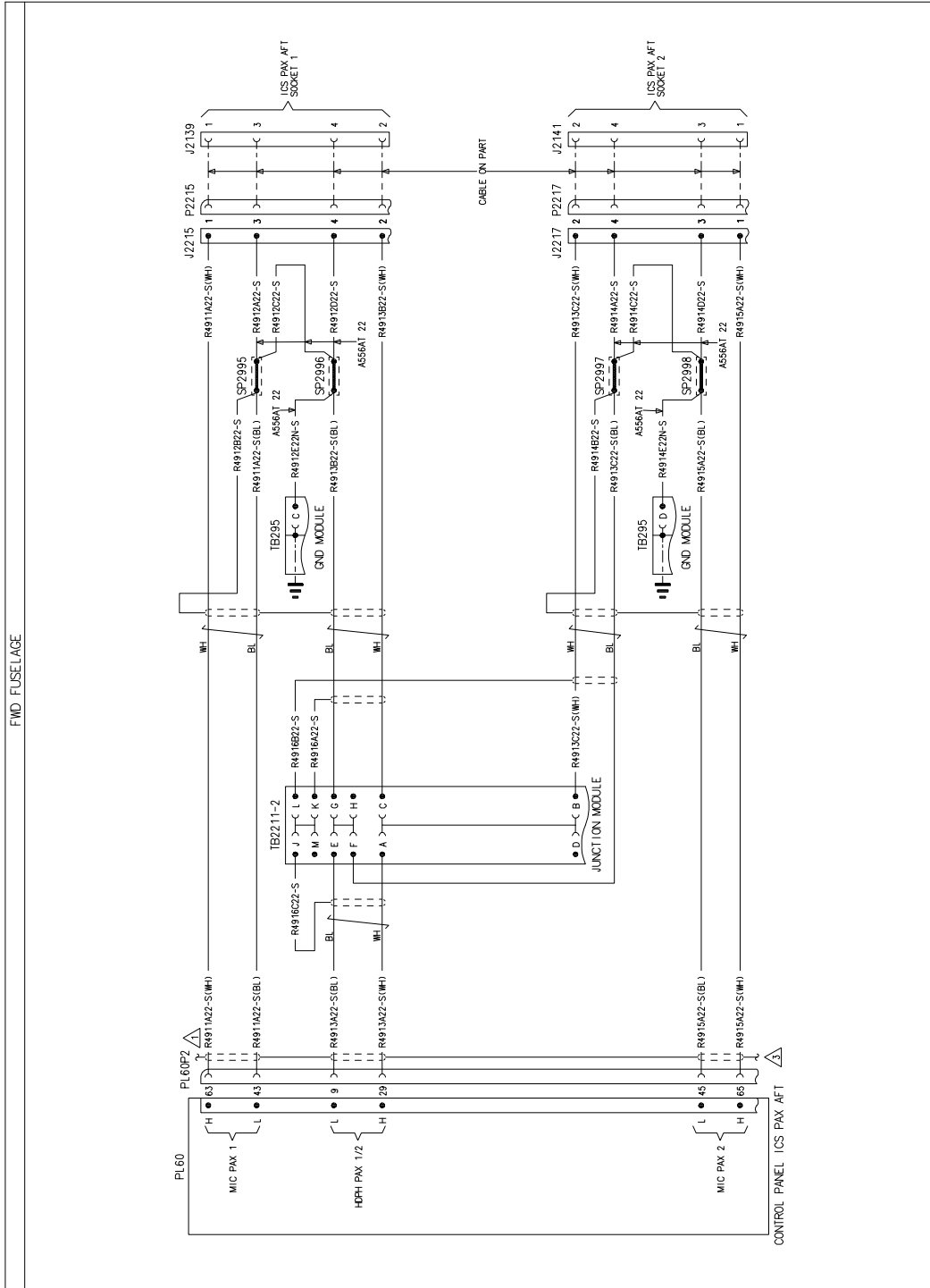
ALL CABLES ARE IN LOOM A2B382 UNLESS SPECIFIED  
 ALL CABLES ARE OF TYPE A561A12 Z2 UNLESS SPECIFIED

Figure 58

DRAWING REF. KEY

△ SHEET NO. 1

△ SHEET NO. 3



CABLE ASSY	REC-DES	PIN	CONTACT PIN	INSULATION SLEEVING
BZA551	JZ215	3	3500904-3	-
BZA551	JZ215	4	3500904-3	-
BZA551	P-6PP2	26	M302067-554	M250538-004-C
BZA551	TB22112	A	A523A-01	M250538-004-C
BZA551	PL6PP2	9	M302067-554	M250538-004-C
BZA551	TB22112	E	A523A-01	M250538-004-C
BZA551	P-6PP2	45	M302067-554	M250538-004-C
BZA551	PL6PP2	65	M302067-554	M250538-004-C
BZA551	JZ217	1	3500904-3	M250538-004-C
BZA551	JZ215	4	3500904-3	-
BZA551	TB295	C	A523A-02	-
BZA551	JZ217	3	3500904-3	-
BZA551	TB295	D	A523A-02	-
BZA551	JZ215	1	3500904-3	-
BZA551	PL6PP2	63	M302067-554	M250538-004-C
BZA551	PL6PP2	43	M302067-554	M250538-004-C
BZA551	JZ215	2	3500904-3	M250538-004-C
BZA551	TB22112	G	A523A-01	M250538-004-C
BZA551	TB22112	G	A523A-01	M250538-004-C
BZA551	JZ217	2	3500904-3	M250538-004-C
BZA551	TB22112	B	A523A-01	M250538-004-C
BZA551	TB22112	F	A523A-01	M250538-004-C
BZA551	TB22112	K	A523A-01	-
BZA551	TB22112	L	A523A-01	-
BZA551	TB22112	J	A523A-01	-

3G2350W02012  
**WIRING DIAGRAM ICS PAX AFT SOCKETS**  
SHEET 2

FUNCTIONAL NOTES  
ALL CABLES ARE IN LOOM BZA551 UNLESS SPECIFIED.  
ALL CABLES ARE OF TYPE A60A12 Z2 UNLESS SPECIFIED

Figure 59



DRAWING REF. KEY

△ SHEET NO. 2

△ SHEET NO. 4

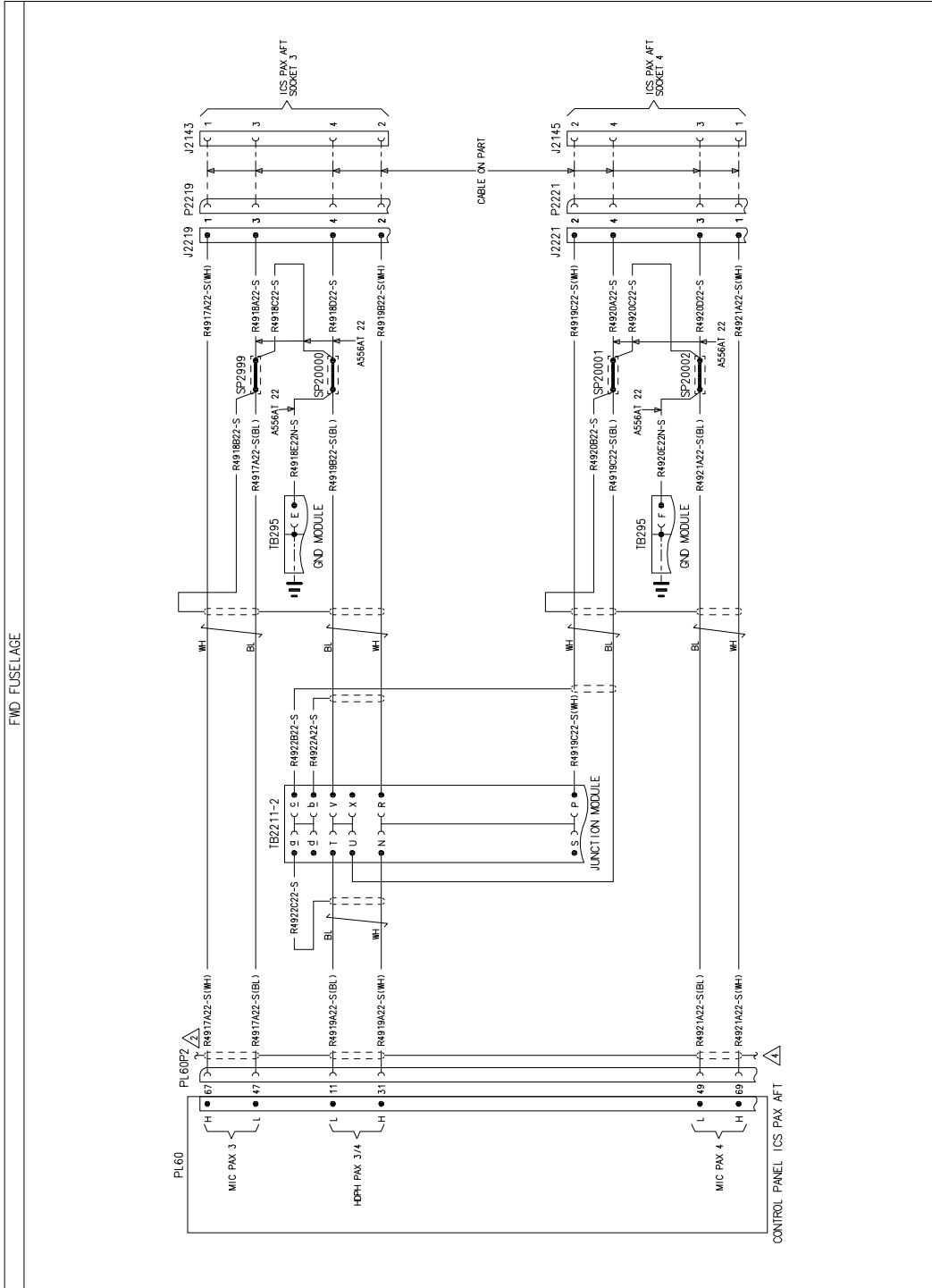


Figure 60

FUNCTIONAL NOTES

ALL CABLES ARE IN LOOM BZA551 UNLESS SPECIFIED.  
ALL CABLES ARE OF TYPE A561A12 22 UNLESS SPECIFIED

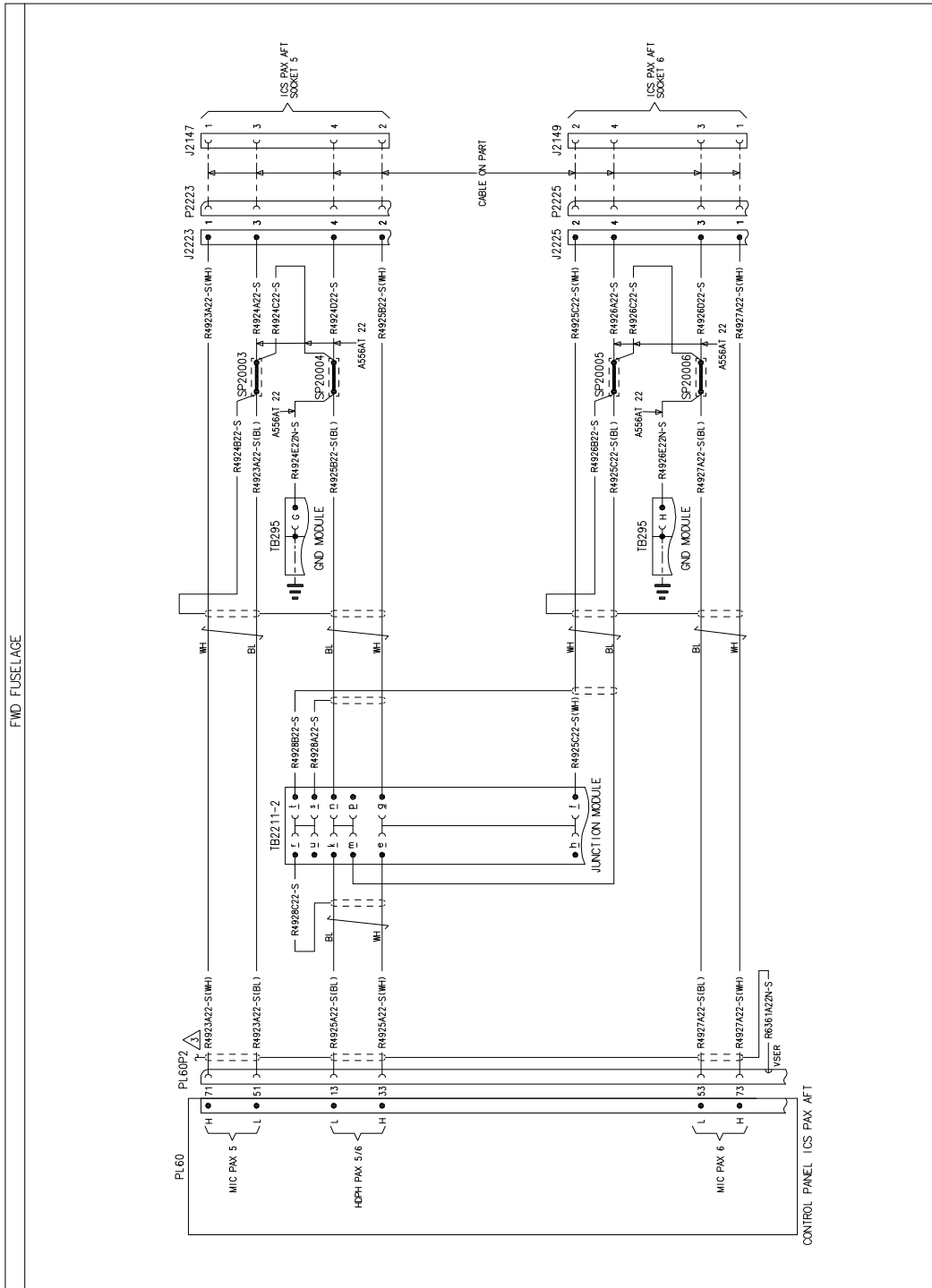
3G2350W02012

WIRING DIAGRAM ICS PAX AFT SOCKETS

SHEET 3

DRAWING REF. KEY

△ SHEET NO. 3

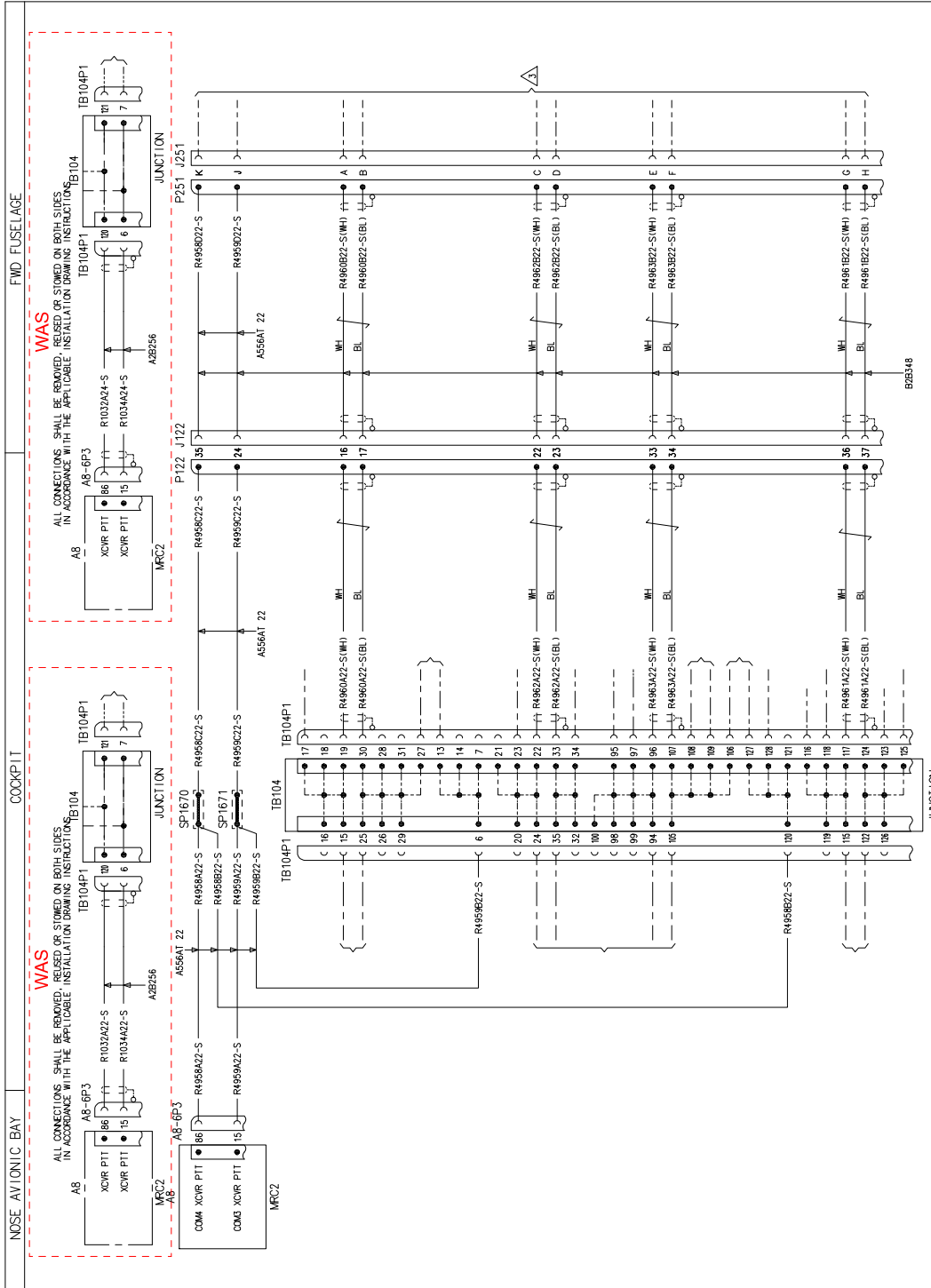


3G2350W02012  
WIRING DIAGRAM ICS PAX AFT SOCKETS  
SHEET 4

Figure 61

FUNCTIONAL NOTES  
ALL CABLES ARE IN LOOM BZA551 UNLESS SPECIFIED  
ALL CABLES ARE OF TYPE ASBATAZ 22 UNLESS SPECIFIED





DRAWING REF. KEY  
 SHEET NO. 3

CABLE ASSY	REF-DES	PIN	CONTACT PIN	INSULATION SLEEVING
A2B382	A4-S33	86	M3902996-384	-
A2B382	A4-S33	15	M3902996-384	-
A2B382	P122	35	M3902996-380	-
A2B382	P122	24	M3902996-380	-
A2B382	TB104P1	120	M3902996-380	-
A2B382	TB104P1	6	M3902996-348	-
A2B382	TB104P1	19	M3902996-348	M206318-004-C
A2B382	P122	16	M3902996-380	M206318-004-C
A2B382	TB104P1	30	M3902996-348	M206318-004-C
A2B382	P122	17	M3902996-380	M206318-004-C
A2B382	TB104P1	117	M3902996-348	M206318-004-C
A2B382	P122	38	M3902996-380	M206318-004-C
A2B382	TB104P1	124	M3902996-348	M206318-004-C
A2B382	P122	37	M3902996-380	M206318-004-C
A2B382	TB104P1	22	M3902996-348	M206318-004-C
A2B382	P122	22	M3902996-380	M206318-004-C
A2B382	TB104P1	33	M3902996-348	M206318-004-C
A2B382	P122	23	M3902996-380	M206318-004-C
A2B382	TB104P1	107	M3902996-348	M206318-004-C
A2B382	P122	34	M3902996-380	M206318-004-C
A2B382	TB104P1	86	M3902996-348	M206318-004-C
A2B382	P122	33	M3902996-380	M206318-004-C
B2B348	J122	38	M3902996-348	-
B2B348	p251	K	M3902996-383	-
B2B348	J122	24	M3902996-348	-
B2B348	p251	J	M3902996-383	-
B2B348	J122	16	M3902996-348	M206318-004-C
B2B348	p251	A	M3902996-383	M206318-004-C
B2B348	J122	17	M3902996-348	M206318-004-C
B2B348	p251	B	M3902996-383	M206318-004-C
B2B348	J122	36	M3902996-348	M206318-004-C
B2B348	p251	G	M3902996-383	M206318-004-C
B2B348	J122	37	M3902996-348	M206318-004-C
B2B348	p251	H	M3902996-383	M206318-004-C
B2B348	J122	22	M3902996-348	M206318-004-C
B2B348	p251	C	M3902996-383	M206318-004-C
B2B348	J122	23	M3902996-348	M206318-004-C
B2B348	p251	D	M3902996-383	M206318-004-C
B2B348	J122	33	M3902996-348	M206318-004-C
B2B348	p251	E	M3902996-383	M206318-004-C
B2B348	J122	34	M3902996-348	M206318-004-C
B2B348	p251	F	M3902996-383	M206318-004-C

**3G2350W02112**  
**WIRING DIAGRAM ICS INTERFACE**  
 SHEET 2

FUNCTIONAL NOTES  
 ALL CABLES ARE IN LOOM A2B382 UNLESS SPECIFIED  
 ALL CABLES ARE OF TYPE A561A2 22 UNLESS SPECIFIED

Figure 63

DRAWING REF. KEY

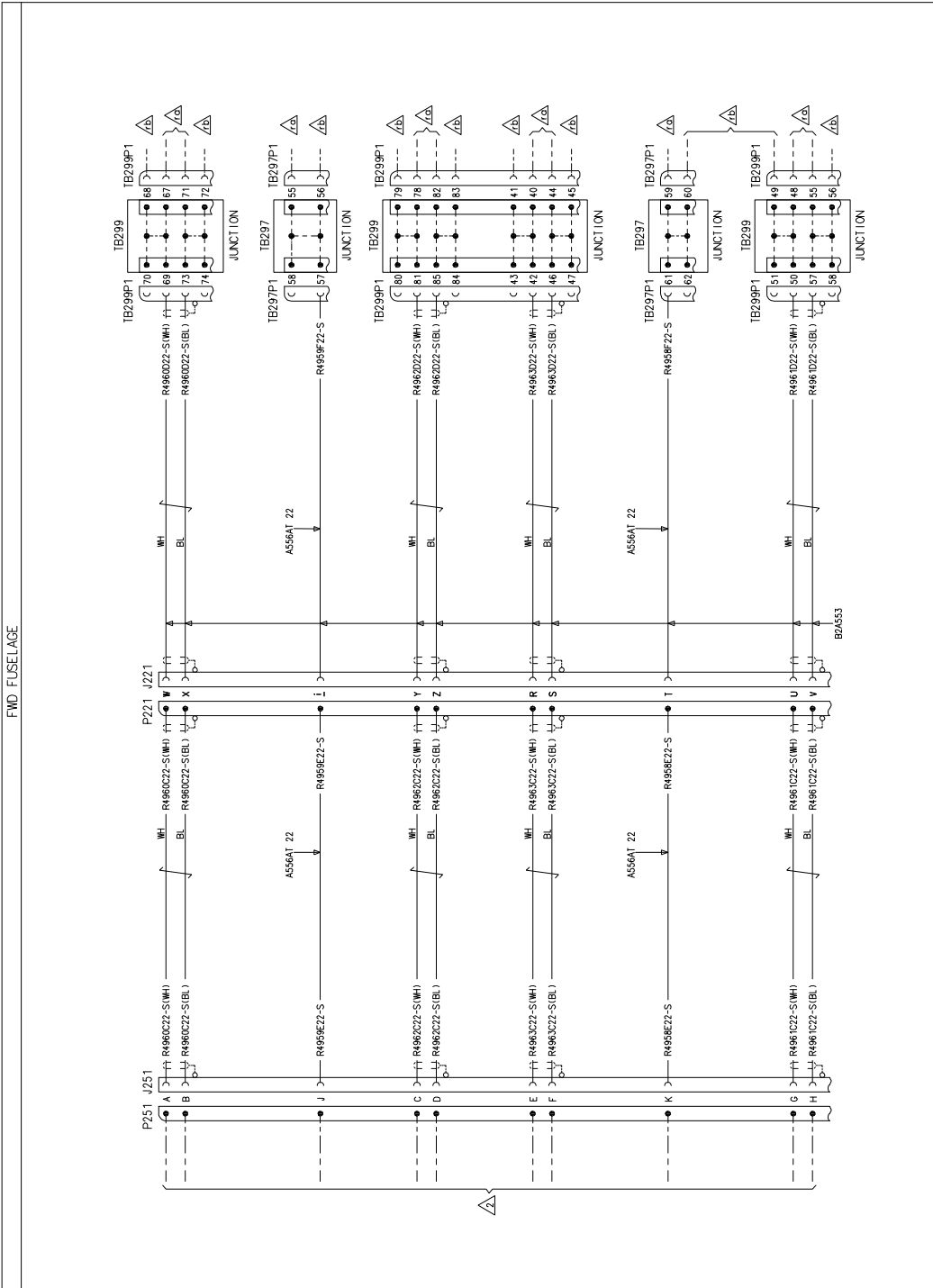
△ SHEET NO. 2

△ CS PAK. FMD CTRL PNL

△ 3G2350W0111

△ CS PAK. AFT CTRL PNL

△ 3G2350W0181



CABLE ASSY	REF-DES	PIN	CONTACT PIN	INSULATION SLEEVING
B2A412	J251	K	M3902096-351	-
B2A412	R221	T	M3902096-351	-
B2A412	J251	J	M3902096-351	-
B2A412	R221	I	M3902096-351	-
B2A412	J251	A	M3902096-351	M230538-004-C
B2A412	R221	W	M3902096-351	M230538-004-C
B2A412	J251	B	M3902096-351	M230538-004-C
B2A412	R221	X	M3902096-351	M230538-004-C
B2A412	J251	G	M3902096-351	M230538-004-C
B2A412	R221	I	M3902096-351	M230538-004-C
B2A412	J251	H	M3902096-351	M230538-004-C
B2A412	R221	V	M3902096-351	M230538-004-C
B2A412	J251	C	M3902096-351	M230538-004-C
B2A412	R221	Y	M3902096-351	M230538-004-C
B2A412	J251	D	M3902096-351	M230538-004-C
B2A412	R221	Z	M3902096-351	M230538-004-C
B2A412	J251	E	M3902096-351	M230538-004-C
B2A412	R221	R	M3902096-351	M230538-004-C
B2A412	J251	F	M3902096-351	M230538-004-C
B2A412	R221	S	M3902096-351	M230538-004-C
B2A553	J221	T	M3902096-353	-
B2A553	TE297P1	61	M3902096-348	-
B2A553	J221	I	M3902096-353	-
B2A553	TE297P1	57	M3902096-348	-
B2A553	J221	W	M3902096-353	M230538-004-C
B2A553	TE299P1	69	M3902096-348	M230538-004-C
B2A553	J221	X	M3902096-353	M230538-004-C
B2A553	TE299P1	73	M3902096-348	M230538-004-C
B2A553	J221	U	M3902096-353	M230538-004-C
B2A553	TE299P1	50	M3902096-348	M230538-004-C
B2A553	J221	V	M3902096-353	M230538-004-C
B2A553	TE299P1	57	M3902096-348	M230538-004-C
B2A553	J221	Y	M3902096-353	M230538-004-C
B2A553	TE299P1	81	M3902096-348	M230538-004-C
B2A553	J221	Z	M3902096-353	M230538-004-C
B2A553	TE299P1	85	M3902096-348	M230538-004-C
B2A553	J221	R	M3902096-353	M230538-004-C
B2A553	TE299P1	42	M3902096-348	M230538-004-C
B2A553	J221	S	M3902096-353	M230538-004-C
B2A553	TE299P1	46	M3902096-348	M230538-004-C

**3G2350W02112**  
**WIRING DIAGRAM ICS INTERFACE**  
SHEET 3

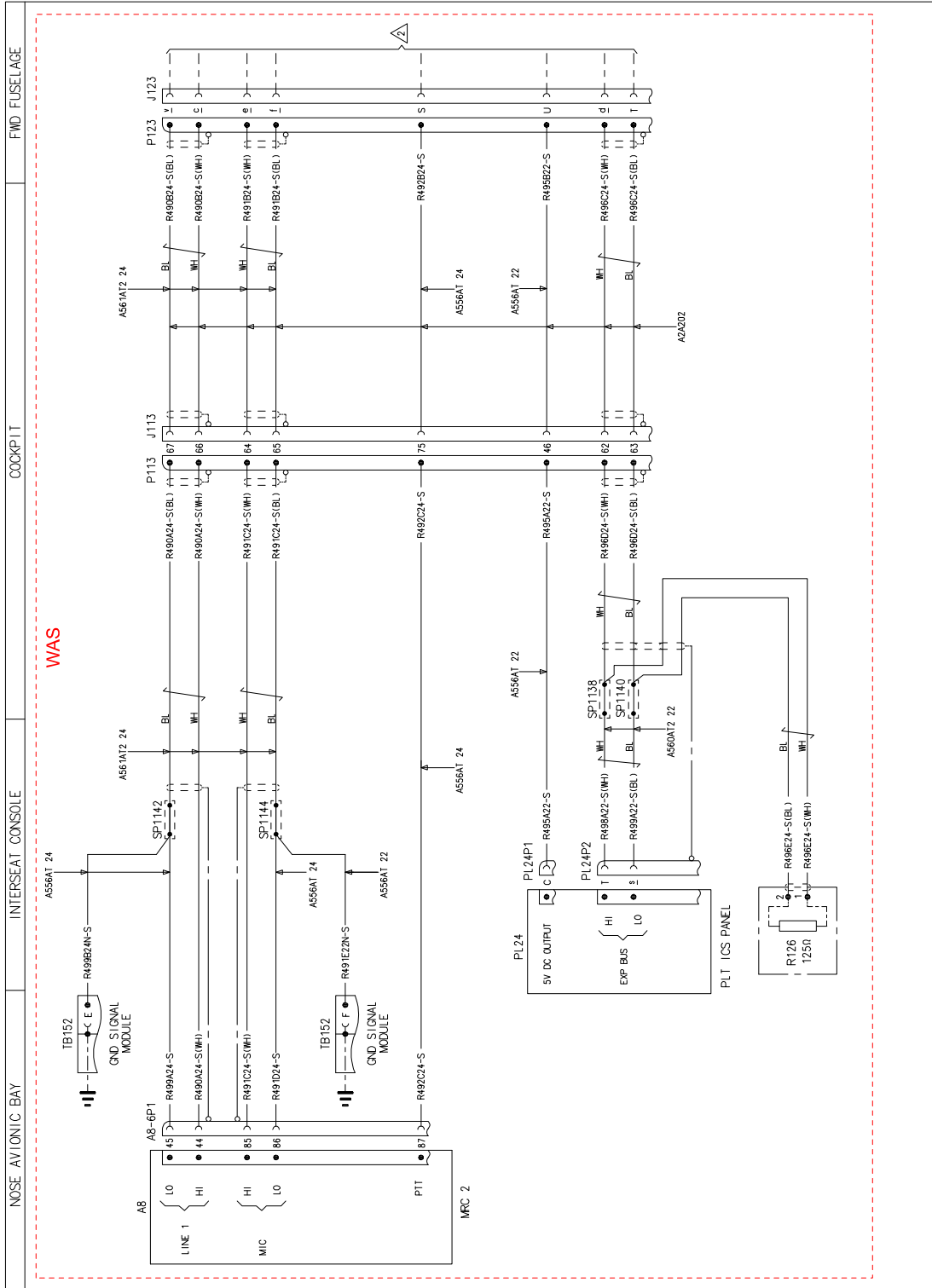
Figure 64

FUNCTIONAL NOTES

ALL CABLES ARE IN LOOM B2A412 UNLESS SPECIFIED  
ALL CABLES ARE OF TYPE A65A12 Z2 UNLESS SPECIFIED



DRAWING REF. KEY  
△ SHEET NO. 2



FUNCTIONAL NOTES

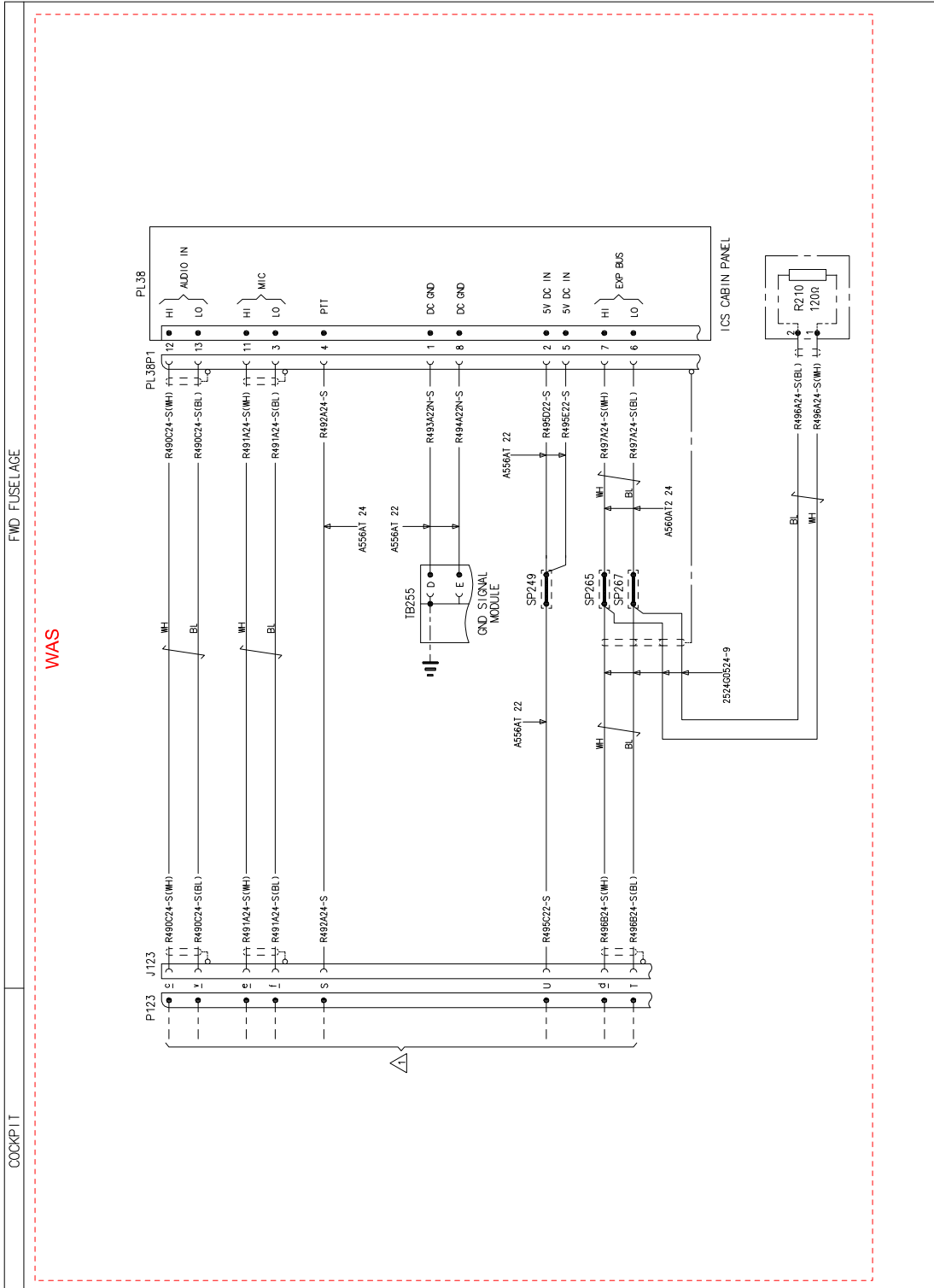
ALL CABLES ARE IN LOW RESISTANCE UNLESS SPECIFIED.  
ALL CABLES ARE OF TYPE 23246624-9 UNLESS SPECIFIED

Figure 66

S.B. N°139-680  
DATE: January 10, 2023  
REVISION: /

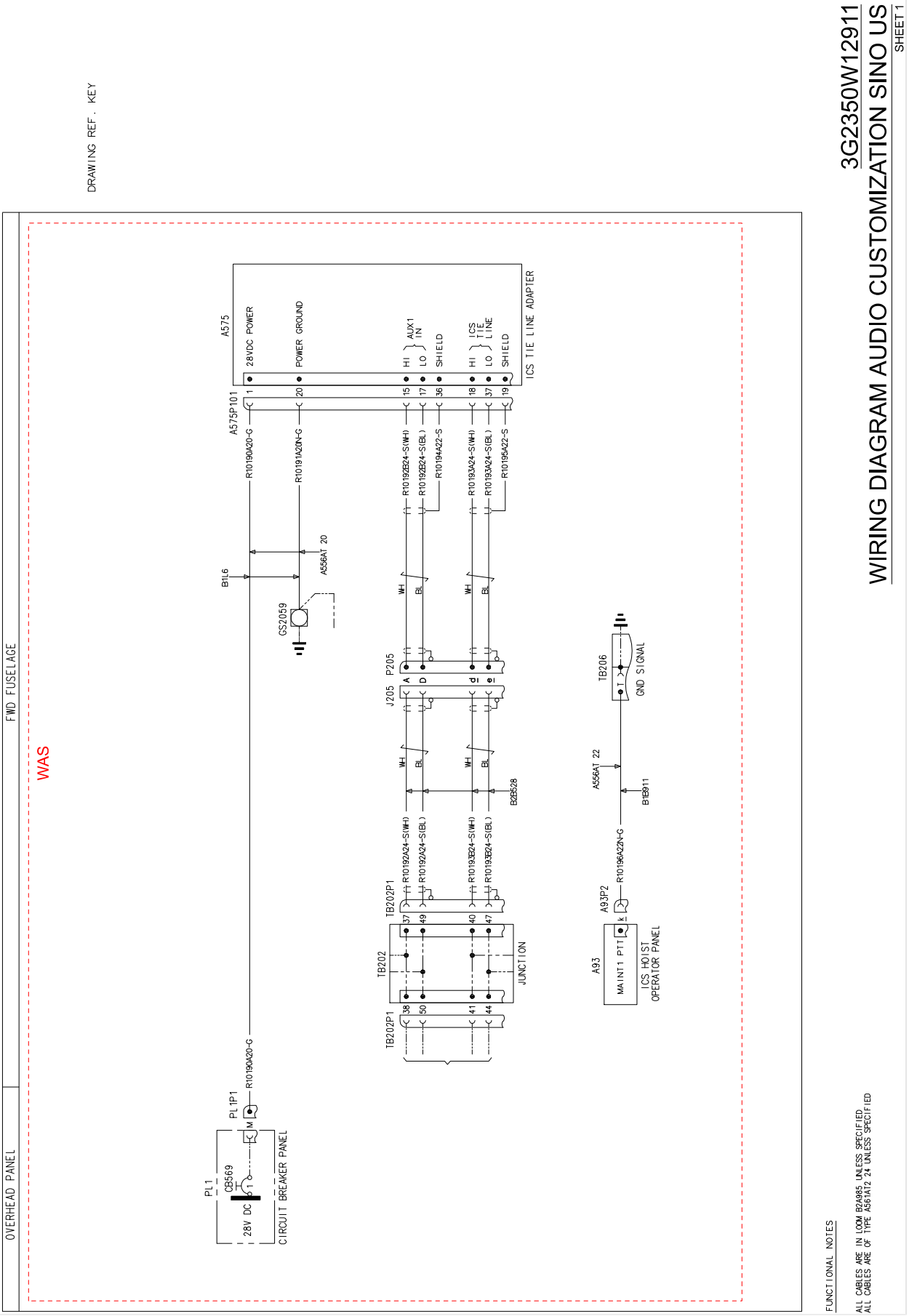


DRAWING REF. KEY  
△ SHEET NO. 1

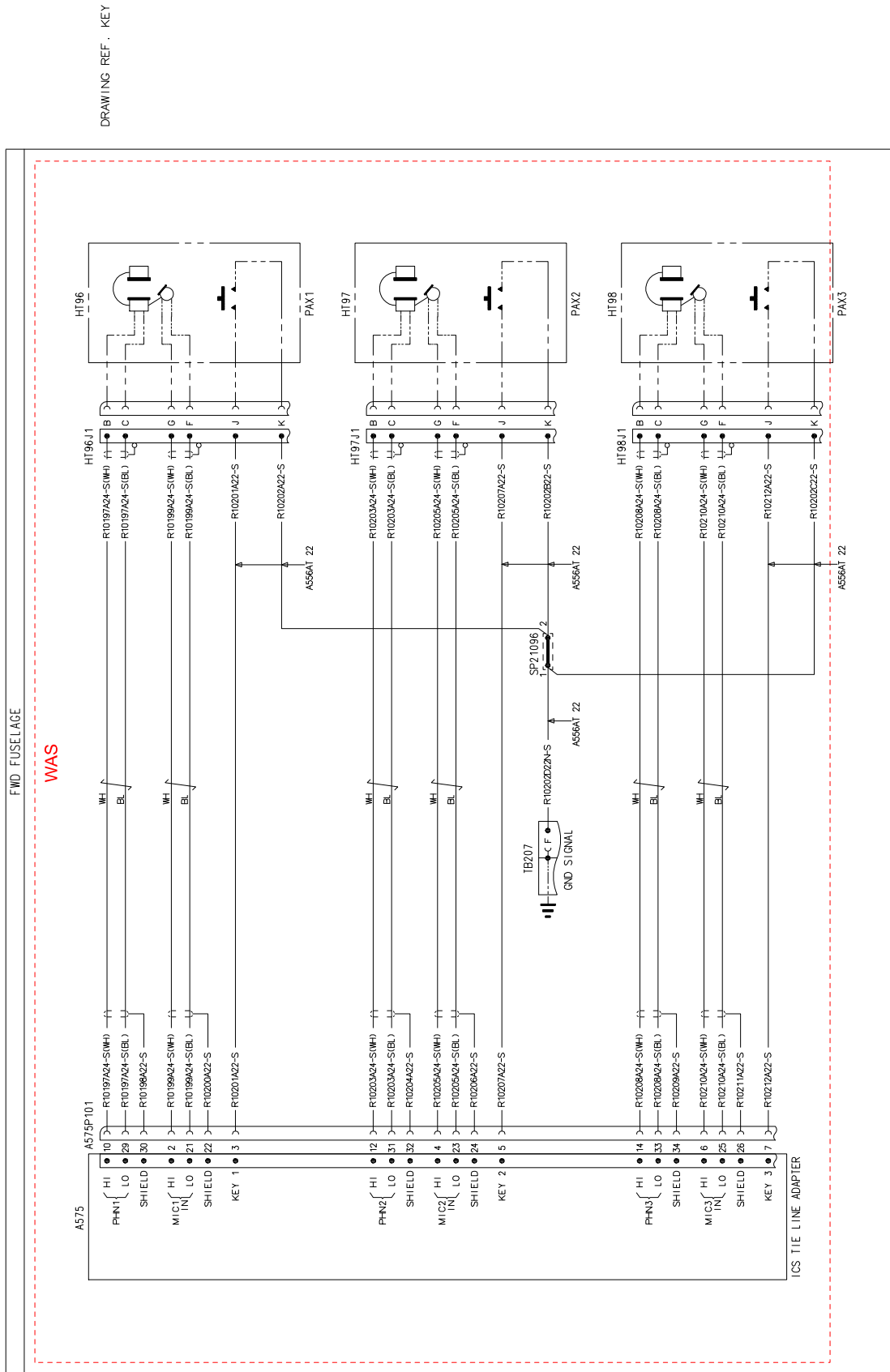


FUNCTIONAL NOTES  
ALL CABLES ARE IN LOOM B2A204 UNLESS SPECIFIED  
ALL CABLES ARE OF TYPE A561A12 24 UNLESS SPECIFIED

**Figure 67**



**Figure 68**



DRAWING REF. KEY

Figure 69

S.B. N°139-680  
DATE: January 10, 2023  
REVISION: /

FUNCTIONAL NOTES

ALL CABLES ARE IN LOOM B2A985 UNLESS SPECIFIED  
ALL CABLES ARE OF TYPE A561A12 24 UNLESS SPECIFIED

