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AgustaWestland Products

SERVICE BULLETIN

OPTIONAL

N° 189-314

DATE: March 14, 2024

REV. : /

TITLE

ATA 28 - AUXILIARY CENTRAL TANK UPGRADE

REVISION LOG

First Issue

1. PLANNING INFORMATION

A. EFFECTIVITY

AW189 helicopters S/N 49054, S/N 49064, S/N 49065, S/N 49066 and S/N 49067.

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 to perform the upgrade from kit “auxiliary central tank” P/N 8G2810F00111 to “kit auxiliary central tank” P/N 8G2810F00112.

LHD issued this SB for the following reason:

Helicopter Reliability/Maintainability	
Product Improvement	
Obsolescence	
Customization	✓
Product/Capability Enhancement	

E. DESCRIPTION

Leonardo helicopter issued this Service Bulletin to give instruction on how to upgrade from kit “auxiliary central tank” P/N 8G2810F00111 to kit “auxiliary central tank” P/N 8G2810F00112. The main difference of the new kit in comparison with the previous one is Foam Removable Assembly. In this component the three Foams, already enclosed in the old P/N, are bonded to a pre-cured plate consisting of 2 plies of Kevlar and new holes are drilled, in order to fix the bonded foam removable assembly to the structure through screws.

F. APPROVAL

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 forty (40) MMH are deemed necessary.

MMH are based on hands-on time and can change with helicopter configuration, personnel and facilities available. MMH are not comprehensive of the overall hours necessary to get access to work areas and to remove all the equipment that interferes with the application of the prescribed instructions.

H. WEIGHT AND BALANCE

WEIGHT (kg)	-0,306	
	ARM (mm)	**MOMENT (kg·mm)**
LONGITUDINAL BALANCE	6841,8	-2090,677
LATERAL BALANCE	70,6	-21,578

I. REFERENCES

I.1 PUBLICATIONS

Following Data Modules refer to AMP:

DATA MODULE		**DESCRIPTION**	**PART**
DM01	89-A-00-20-00-00A-120A-A	Helicopter on ground for a safe maintenance.	-
DM02	89-A-06-41-00-00A-010A-A	Access doors and panels - General data	-
DM03	89-A-28-11-00-00A-364A-A	Fuel tank installation - Leak check	-
DM04	89-B-28-12-00-00A-320A-A	Central fuel tank installation kit - Operation test	-
DM05	89-A-28-12-01-00A-520A-A	Central fuel tank - Remove procedure	-
DM06	89-B-28-12-01-00A-720A-A	Central fuel tank - Install procedure	-
DM07	89-A-28-12-02-00A-520A-A	Vertical access panel (159D) - Remove procedure	-
DM08	89-B-28-12-02-00A-720A-A	Vertical access panel (159D) - Install procedure	-
DM09	89-A-52-43-10-00A-520A-A	Access panels (cabin) - Remove procedure	-

DATA MODULE		DESCRIPTION	PART
DM10	89-A-52-43-10-00A-720A-A	Access panels (cabin) - Install procedure	-

I.2 ACRONYMS & ABBREVIATIONS

AMDI	Aircraft Material Data Information
AMP	Aircraft Maintenance Publication
AR	As Required
DM	Data Module
DOA	Design Organization Approval
EASA	European Aviation Safety Agency
FWD	Forward
IPD	Illustrated Part Data
ITEP	Illustrated Tool and Equipment Publication
LH	Left Hand
LHD	Leonardo Helicopters Division
MMH	Maintenance Man Hours
N.A.	Not Applicable
P/N	Part Number
RH	Right Hand
SB	Service Bulletin
S/N	Serial Number

I.3 ANNEX

N.A.

J. PUBLICATIONS AFFECTED

N.A.

K. SOFTWARE ACCOMPLISHMENT SUMMARY

N.A.

2. MATERIAL INFORMATION

A. REQUIRED MATERIALS

A.1 PARTS

#	P/N	ALTERNATIVE P/N	DESCRIPTION	Q.TY	LVL	NOTE	LOG P/N
1	**8G2810F00112**		**KIT AUXILIARY CENTRAL TANK**	**REF**	**.**		**-**
2	**8G2580A27712**		**FUEL AUXILIARY TANK SOFT LINER INSTALLATION**	**REF**	**..**		**-**
3	A407A3C2P		Anchor Nut	1	…		189-314L1
4	A428A3C08		Screw	46	…		189-314L1
5	8G2580V00632		Fuel Auxiliary Tank Soft Liner	1	…		189-314L1
6	**8G2810A00111**		**AUXILIARY CENTRAL TANK EQUIPMENT INSTALLATION**	**REF**	**..**		**-**
7	M25988/1-156		O-ring	1	…		189-314L1
8	M25988/1-162		O-ring	1	…		189-314L1
9	M25988/1-270		O-ring	1	….		189-314L1
10	MS24693-A58		Screw	4	….		189-314L1
11	**8G2810A10111**		**AUXILIARY TANK REMOVABLE PARTS**	**REF**	**..**		**-**
12	**8G2810A08211**		**AUXILIARY CENTRAL TANK REMOVABLE PARTS**	**REF**	**…**		**-**
13	MS27039C1-08		Screw	4	….		189-314L1
14	MS27039-1-06		Screw	6	….		189-314L1
15	NAS1149D0316K		Washer	10	….		189-314L1
16	NAS517-3-0		Screw	14	….		189-314L1
17	**8G2810A02331**		**FOAM REMOVABLE ASSY**	**REF**	**….**		**-**
18	4F2810V09031		Foam Low Density Kit	1	…..	(1)	189-314L1
19	8G2810A08151		Plate Removable Foam Assy	1	…..		189-314L1
20	**8G2810A10211**		**AUXILIARY CENTRAL TANK COMPLETE PROVISION**	**REF**	**..**		**-**
21	**8G5330A86111**		**PANELS INSTALLATION FUEL COMPARTMENT**	**REF**	**…**		**-**
22	8G5330A85731		Fuel Compartment Floor Panel LHS Assy	REF	….	(5)	-
23	**8G5310A38811**		**STRUCTURAL PROVISIONS CENTRAL AUXILIARY TANK**	**REF**	**…**		**-**
24	MS27039-1-06		Screw	8	….	(2)	189-314L1
25	MS27039-1-08		Screw	9	….	(2)	189-314L1
26	NAS1149D0316K		Washer	17	….	(2)	189-314L1
27	8G5330A86051		Attachment Fuel Cover Panel	1	….	(2)	189-314L1
28	8G5330A97731		Fuel Cover Panel Assy	REF	….	(3) (4)	-
29	8G5315A46231		Panel Assy LH	REF	….	(5)	-
30	8G5315A51131		Panel Assy RH	REF	….	(5)	-
31	**8G5330P00411**		**FUEL COMPARTMENT RETRO MOD**	**REF**	**.**		**-**
32	8G5330A98551	8G5330A98551A	Plate Lower	2	..	(6)	-
33	8G5330A98651	8G5330A98651A	Gasket LHS	1	..	(6)	-
34	8G5330A98751	8G5330A98751A	Gasket RHS	1	..	(6)	-

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

A.2 CONSUMABLES

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

#	SPEC./LHD CODE NUMBER	DESCRIPTION	Q.TY	NOTE	PART
35	MMM-A-132, Type 2, Class II or 199-05-002, Type I, Class 2, Code No. 900000581	Adhesive EA9309.3NA (C021)	AR	(7)	-
36	MMM-A-132 Type I Class 3 or 199-05-002 Type II Class 2, Code No. 900004603	Adhesive EA934NA (C057)	AR	(7)	-
37	ECS6058-1022, Code No. 900005604	Loctite Ablestik 57C (Hysol Eccobond 57C) (C634)	AR	(7)	-

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

A.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
189-314L1	1		-

NOTES

(1) This item contains qty 1 of P/N 512476, 512477 and 512478.

(2) Required only for installation of the upper panel assy 8G5330A97731.

(3) Required only when the auxiliary tank is not installed and shall replace the upper panel assy P/N 8G2810A02732, called into removable parts P/N 8G2810A08211 using the existing fasteners.

(4) Rework from basic panel P/N 8G5330A31031. The basic panel was supplied with the helicopter.

(5) This item will not be supplied. It is already installed on the helicopter.

(6) This item is required only for helicopters S/N 49064, S/N 49065, S/N 49066 and S/N 49067.

(7) Item to be procured as local supply.

B. SPECIAL TOOLS

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

C. INDUSTRY SUPPORT INFORMATION

Customization.

3. ACCOMPLISHMENT INSTRUCTIONS

GENERAL NOTES

a) Place an identification tag on all components that are re-usable, including the attaching hardware that has been removed to gain access to the modification area and adequately protect them until their later re-use.

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

c) After drilling, remove all swarf and sharp edges. Apply on bare metal a light film of primer unless the hole is used for ground connection.

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

e) Let adhesive cure at room temperature for at least 24 hours unless otherwise specified.

f) Exposed thread surface and nut must be protected using a layer of tectyl according to MIL-C-16173 grade I.

g) Aircraft existing structure showed in the Service Bulletin Figures is for reference only.

1. In accordance with AMP DM 89-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 89-A-06-41-00-00A-010A-A remove all external panels, internal panels and internal liners as required to gain access to the area affected by the retromod.
3. With reference to Figures 1 thru 9 perform the removal of the retromod as described in the following procedure:
   - 3.1 With reference to Figure 2 View A, remove n°4 screws P/N MS24693-A58.
   - 3.2 In accordance with AMP DM 89-A-52-43-10-00A-520A-A and with reference to Figure 2 View A, remove the centre fuel tank panel assy P/N 4F5330A69732 (229E) and the bonding layer P/N 8G2810A02851 with the related hardware. Retain for later re-use.

NOTE

Following steps from 3.3 to 3.8 are applicable ONLY to
S/N 49064, S/N 49065, S/N 49066 and S/N 49067

3.3 In accordance with AMP DM 89-A-52-43-10-00A-520A-A and with reference to Figure 22 View A, remove the upper central panel assy (229N) P/N 8G5330A26031, the plate upper central P/N 8G5330A66451, the plate lower central P/N 8G5330A66551 and the gasket central P/N 8G5330A66851 with the related hardware. Retain for later re-use.

3.4 With reference to Figure 23 View B, temporarily remove the plate upper P/N 8G5330A36551, the plate inboard upper P/N 8G5330A37251, the plate inboard lower P/N 8G5330A59951 and the angle RHS assy P/N 8G5330A67631 with the related hardware from the fuel compartment front upper lateral panel RHS P/N 8G5330A28031. Retain for later re-use.

3.5 With reference to Figure 23 View B, remove the plate lower P/N 8G5330A36651 with the related hardware and the gasket RHS P/N 8G5330A66751. Discard the plate and the gasket, retain fixed hardware for later re-use.

3.6 With reference to Figure 23 View B, install the new plate lower P/N 8G5330A98551, the new gasket RHS P/N 8G5330A98651 and re-install the plate upper P/N 8G5330A36551, the plate inboard upper P/N 8G5330A37251, the plate inboard lower P/N 8G5330A59951 and the angle RHS assy P/N 8G5330A67631 by means of the previously removed hardware (Ref. Steps 3.4 and 3.5) on the fuel compartment front upper lateral panel RHS P/N 8G5330A28031.

3.7 With reference to Figure 23 View B, temporarily remove the plate upper P/N 8G5330A36551, the plate inboard upper P/N 8G5330A37251, the plate inboard lower P/N 8G5330A59951 and the angle LHS assy P/N 8G5330A67531 with the related hardware from the fuel compartment front upper lateral panel LHS P/N 8G5330A28131. Retain for later re-use.

3.8 With reference to Figure 23 View B, remove the plate lower P/N 8G5330A36651 with the related hardware and the gasket LHS P/N 8G5330A66651. Discard the plate and the gasket, retain fixed hardware for later re-use.

3.9 With reference to Figure 23 View B, install the new plate lower P/N 8G5330A98551, the new gasket LHS P/N 8G5330A98751 and re-install the plate upper P/N 8G5330A36551, the plate inboard upper P/N 8G5330A37251, the plate inboard lower P/N 8G5330A59951 and the angle LHS assy P/N 8G5330A67531 by means of the previously removed hardware (Ref. Steps 3.7 and 3.8) on the fuel compartment front upper lateral panel LHS P/N 8G5330A28131.

NOTE

During the removal of the panel, remove the screws one at a time and re-install them in the same position.

3.10 With reference to Figure 3 View B, remove the fuel auxiliary tank soft liner assy P/N 8G2580V00631 with the related hardware.

3.11 With reference to Figure 4 View C, remove the angle soft liner mounting assy P/N 8G2580A37731 with the related hardware. Retain for later re-use.

3.12 With reference to Figure 4 View C, remove the angle soft liner mounting assy P/N 8G2580A37831 with the related hardware. Retain for later re-use.

3.13 With reference to Figure 4 View C, remove the FWD upper liner assy baggage bay P/N 8G2580A21832 with the related hardware. Retain for later re-use.

3.14 With reference to Figure 5 View D, remove the full cover angle P/N 8G5330A09551 with the related hardware. Retain for later re-use.

3.15 In accordance with AMP DM 89-A-06-41-00-00A-010A-A and with reference to Figure 5 View D, remove the full cover panel assy P/N 8G5330A09132 (158H) with the related hardware. Retain for later re-use.

3.16 In accordance with AMP DM 89-A-28-12-01-00A-520A-A and with reference to Figure 6, remove the auxiliary tank P/N 8G2810V00531 as described in the following procedure:

NOTE

Put the applicable caps/plugs on the disconnected electrical connectors.

3.16.1 With reference to Figure 5 View D, disconnect the connector A62P1.

3.16.2 In accordance with AMP DM 89-A-28-12-02-00A-520A-A and with reference to Figure 6 View E, remove the access panel (159D), the o-ring and the relative hardware from the flange. Retain for later re-use. Discard the O-ring.

NOTE

Put the applicable caps/plugs on the disconnected line ends and all the open component ports.

3.16.3 With reference to Figure 6 View E, disconnect the vent-line hose from the fitting.

3.16.4 With reference to Figure 6 View F, remove n°12 bolts and n°12 washers that attach the connection flange to the flange of the tank. Retain for later re-use.

3.16.5 Remove the nylon cords from the tie-down rings of the tank and the structure.

3.16.6 With reference to Figure 6 View E, remove the auxiliary tank P/N 4F2810V00531. Retain for later re-use.

3.16.7 With reference to Figure 6 View F, remove the O-rings from the flange. Discard the O-rings.

3.17 With reference to Figure 7 View G and View H, remove the aft panel assy P/N 4F5338A00331 with the related hardware. Retain for later re-use.

3.18 With reference to Figure 8 View J, remove the upper panel assy P/N 8G2810A02731 with the related hardware. Retain for later re-use.

3.19 With reference to Figure 9 View K, remove the LH internal angle assy P/N 4F5338A03431 with the related hardware. Retain for later re-use.

3.20 With reference to Figure 11 View P, remove the foam P/N 512476, the foam P/N 512477, the foam P/N 512478.

4. With reference to Figure 12 View Q, install the plate removable foam assy P/N 8G2810A08151 by means of n°4 screws P/N MS27039C1-08 and n°4 washers P/N NAS1149D0316K.
5. With reference to Figure 12 View S, rework the plate as indicated.
6. With reference to Figure 12 View R, install the foam P/N 512476, the foam P/N 512477, the foam P/N 512478 by means of adhesive EA9309.3NA (C021) on the plate removable foam assy P/N 8G2810A08151.
7. With reference to Figure 12 View S, rework the foam as indicated.
8. With reference to Figure 13 View U, rework the previously removed LH internal angle assy P/N 4F5338A03431 as indicated and re-mark with P/N 8G5338A00531 (Ref. step 3.19).
9. With reference to Figure 13 View T, install the LH internal angle assy P/N 8G5338A00531 by means of the previously removed hardware (Ref. step 3.19).
10. With reference to Figure 14 View V, re-mark the previously removed upper panel assy P/N 8G2810A02731 with P/N 8G2810A02732 (Ref. step 3.18).

11. With reference to Figure 15 View W, install the upper panel assy P/N 8G2810A02732 by means of the previously removed hardware (Ref. step 3.18).
12. With reference to Figure 5 View D, re-install the full cover angle P/N 8G5330A09551 by means of the previously removed hardware (Ref. step 3.14).
13. In accordance with AMP DM 89-A-52-43-10-00A-720A-A and with reference to Figure 5 View D, re-install the full cover panel assy P/N 8G5330A09132 (158H) by means of the previously removed hardware (Ref. step 3.15).
14. With reference to Figure 16 View X and Figure 7 View H, re-install the aft panel assy P/N 4F5338A00331 by means of n°6 screws P/N MS27039-1-06, n°14 screws P/N NAS517-3-0, n°6 washers P/N NAS1149D0316K and the previously removed hardware (Ref. step 3.17).
15. In accordance with AMP DM 89-B-28-12-01-00A-720A-A and with reference to Figure 18, re-install the previously removed auxiliary tank P/N 8G2810V00531 as described in the following procedure:
    - 15.1 With reference to Figure 18 View AA, install the O-ring P/N M25988/1-156 and the O-ring P/N M25988/1-162 in their position on the flange of the tank.
    - 15.2 With reference to Figure 18 View Z, re-install the previously removed auxiliary tank P/N 8G2810V00531 in its correct position (Ref. step 3.16.6).
    - 15.3 Attach the auxiliary tank to the hanger on the panels with nylon cord.
    - 15.4 With reference to Figure 18 View AA, re-install the previously removed hardware that attach the connection flange to the flange of the tank (Ref. step 3.16.4).

      NOTE

      Remove the caps/plugs from the disconnected line ends and all the open component ports.

    - 15.5 With reference to Figure 18 View Z, connect the vent-line hose to the fitting.

      NOTE

      Remove the applicable caps/plugs from the disconnected electrical connectors.

    - 15.6 With reference to Figure 5 View D, connect the connector A62P1.
    - 15.7 In accordance with AMP DM 89-B-28-12-02-00A-720A-A and with reference to Figure 18 View Z, install the O-ring P/N M25988/1-270.
    - 15.8 In accordance with AMP DM 89-B-28-12-02-00A-720A-A and with reference to Figure 18 View Z, re-install the access panel (159D) by means of the previously removed hardware (Ref. step 3.16.2).
16. With reference to Figure 4 View C, re-install the angle soft liner mounting assy P/N 8G2580A37731 by means of the previously removed hardware (Ref. step 3.11).

17. With reference to Figure 4 View C, re-install the angle soft liner mounting assy P/N 8G2580A37831 by means of the previously removed hardware (Ref. step 3.12).
18. With reference to Figure 4 View C, remove n°2 anchor nuts P/N A407A3C2P from the previously removed upper panel assy baggage bay P/N 8G2580A21832 (Ref. step 3.13).
19. With reference to Figure 4 View C, re-install the upper panel assy baggage bay P/N 8G2580A21832 by means of the previously removed hardware (Ref. step 3.13).

NOTE

During the installation of the liner, replace the existing screws one at a time and install the new screws in the same position.

20. With reference to Figure 17 View Y, install the fuel auxiliary tank soft liner assy P/N 8G2580V00632 by means of n°46 screws P/N A428A3C08.
21. With reference to Figure 19 View AB and View AC, re-mark the previously removed centre fuel tank panel assy P/N 4F5330A69732 with P/N 8G5330A97631 (Ref. step 3.2).
22. In accordance with AMP DM 89-A-52-43-10-00A-720A-A and with reference to Figure 20 View AD, install the centre fuel tank panel assy P/N 8G5330A97631 (229E) by means of the previously removed hardware (Ref. step 3.2).
23. In accordance with AMP DM 89-A-52-43-10-00A-720A-A and with reference to Figure 22 View A, re-install the upper central panel assy (229N) P/N 8G5330A26031, the plate upper central P/N 8G5330A66451, the plate lower central P/N 8G5330A66551 and the gasket central P/N 8G5330A66851 by means of the previously removed hardware (Ref. step 3.3).
24. With reference to Figure 20 View AD, install n°4 screws P/N MS24693-A58.
25. With reference to Figure 21, rework the panel P/N 8G5330A31031 as indicated.
26. With reference to Figure 21, re-mark the panel P/N 8G5330A31031 with P/N 8G5330A97731.
27. In accordance with AMP DM 89-A-28-11-00-00A-364A-A, perform the leak check of the fuel tank installation.
28. In accordance with AMP DM 89-B-28-12-00-00A-320A-A, perform the operation test of the fuel tank installation.
29. In accordance with weight and balance changes, update the Chart A (see Rotorcraft Flight Manual, Part II, section 6).
30. Return the helicopter to flight configuration and record for compliance with this Service Bulletin on the helicopter logbook.

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

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

    engineering.support.lhd@leonardo.com

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

    AWPC.Engineering.Support@leonardocompany.us

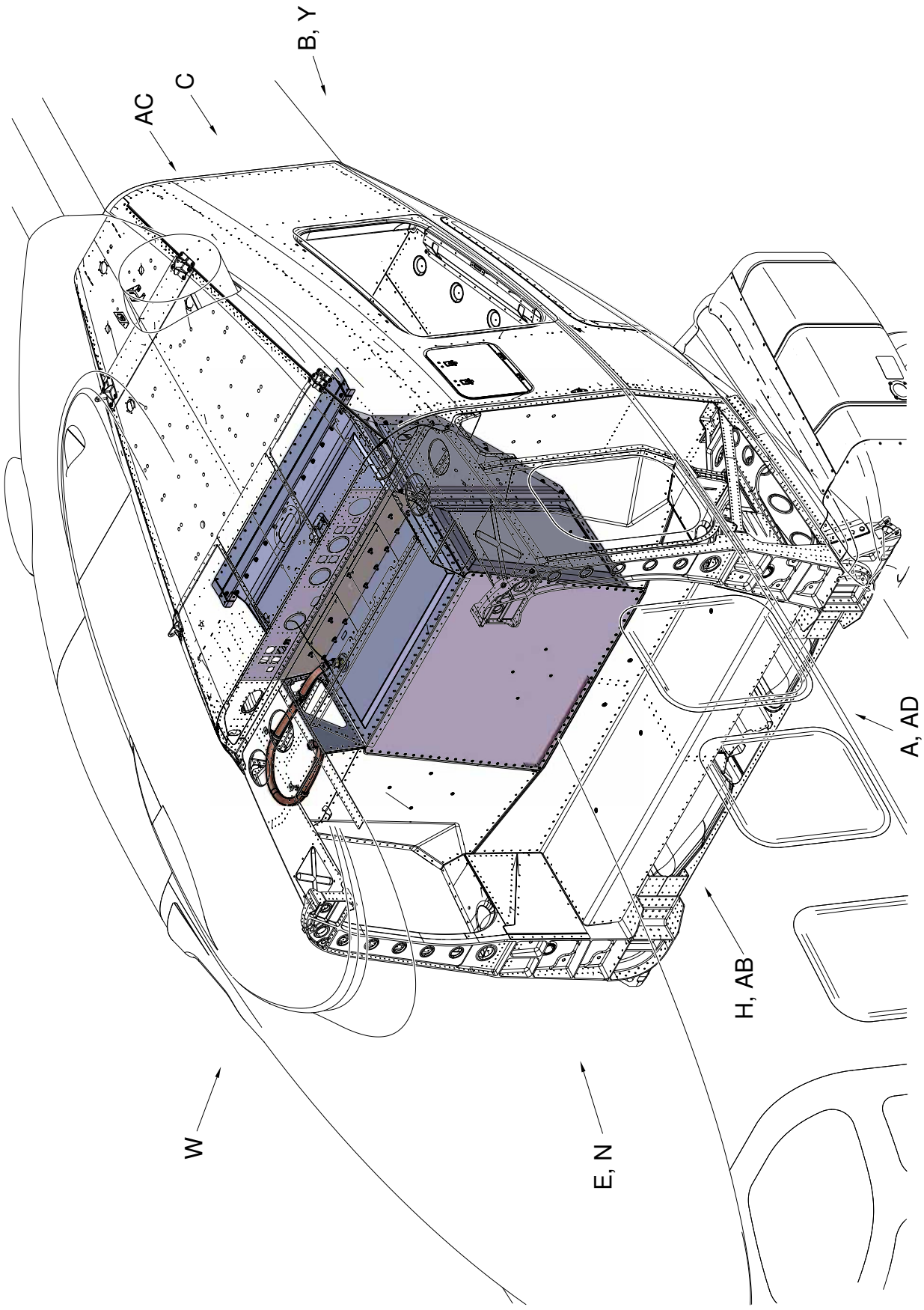


Figure 1

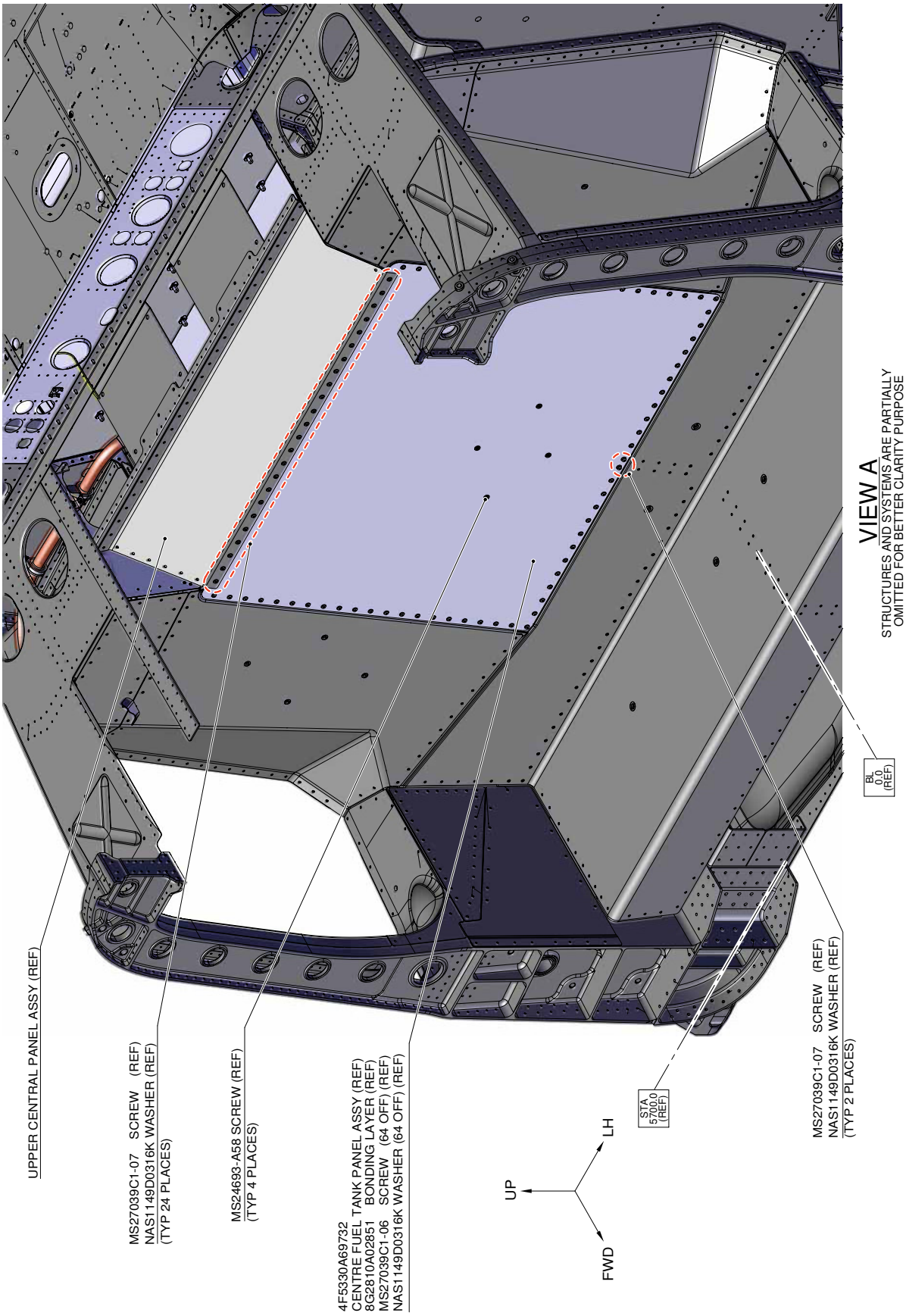

VIEW A
STRUCTURES AND SYSTEMS ARE PARTIALLY OMITTED FOR BETTER CLARITY PURPOSE
UPPER CENTRAL PANEL ASSY (REF)
MS27039C1-07 SCREW (REF)
NAS1149D0316K WASHER (REF)
(TYP 24 PLACES)
MS24693-A58 SCREW (REF)
(TYP 4 PLACES)
4F5330A69732
CENTRE FUEL TANK PANEL ASSY (REF)
8G2810A02851 BONDING LAYER (REF)
MS27039C1-06 SCREW (64 OFF) (REF)
NAS1149D0316K WASHER (64 OFF) (REF)
MS27039C1-07 SCREW (REF)
NAS1149D0316K WASHER (REF)
(TYP 2 PLACES)
STA 5700.0 (REF)
BL 0.0 (REF)
UP
LH
FWD

Figure 2

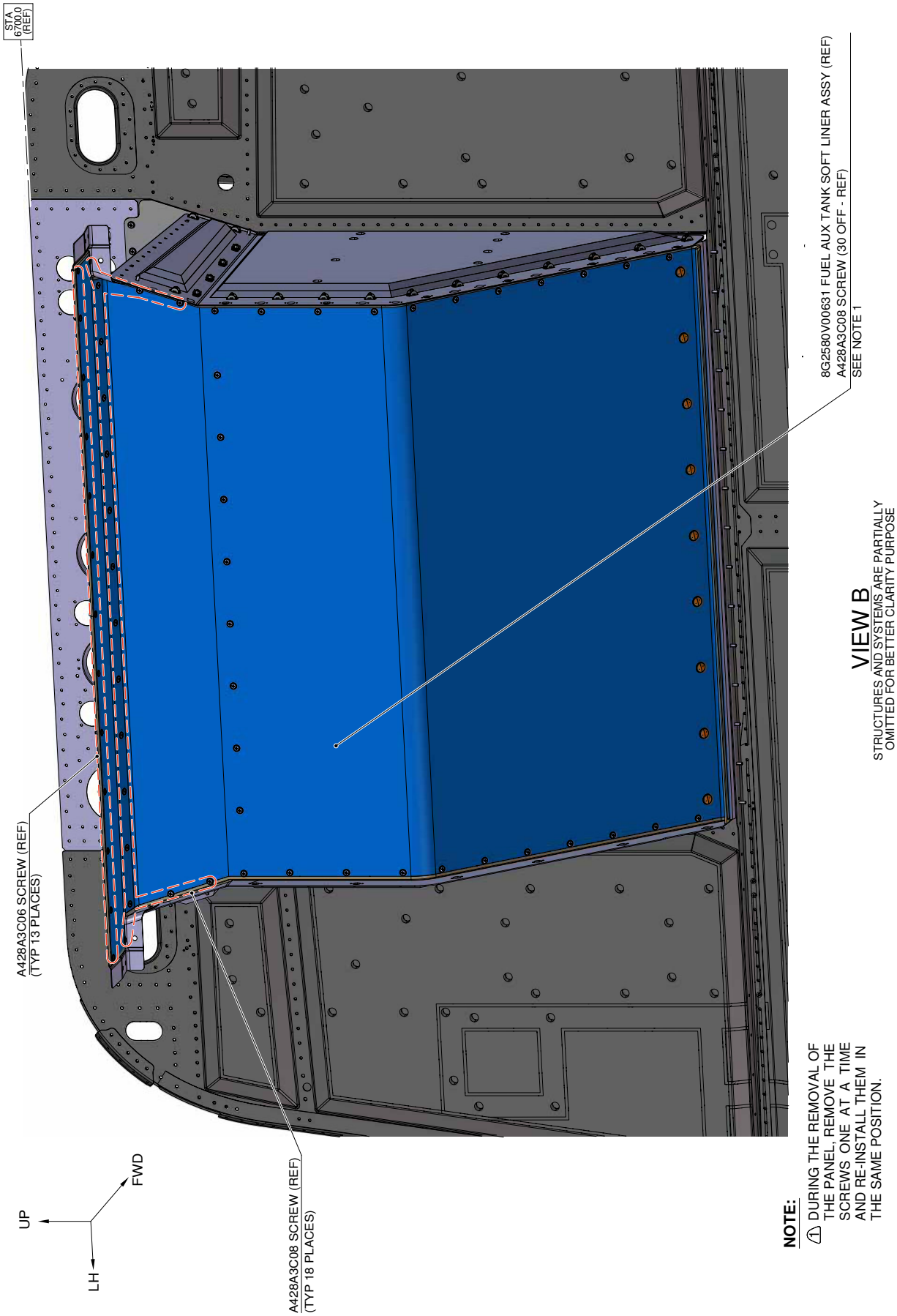

STA 6700.0 (REF)
8G2580V00631 FUEL AUX TANK SOFT LINER ASSY (REF)
A428A3C08 SCREW (30 OFF - REF)
SEE NOTE 1
VIEW B
STRUCTURES AND SYSTEMS ARE PARTIALLY OMITTED FOR BETTER CLARITY PURPOSE
A428A3C06 SCREW (REF)
(TYP 13 PLACES)
A428A3C08 SCREW (REF)
(TYP 18 PLACES)
UP
FWD
LH
NOTE:
1 DURING THE REMOVAL OF THE PANEL, REMOVE THE SCREWS ONE AT A TIME AND RE-INSTALL THEM IN THE SAME POSITION.

Figure 3

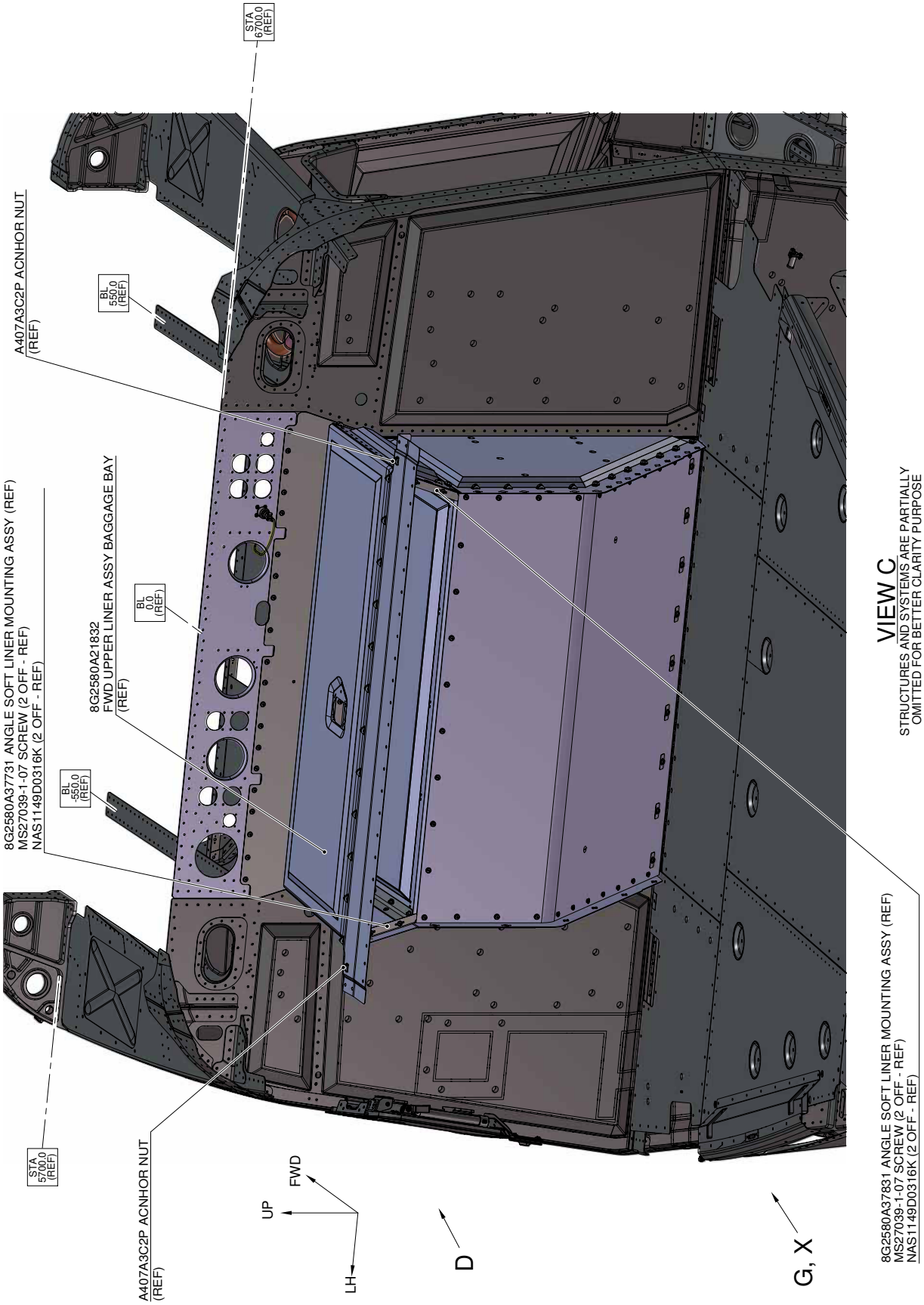

STA 6700.0 (REF)
BL 550.0 (REF)
A407A3C2P ACNHOR NUT (REF)
8G2580A37731 ANGLE SOFT LINER MOUNTING ASSY (REF)
MS27039-1-07 SCREW (2 OFF - REF)
NAS1149D0316K (2 OFF - REF)
BL 0.0 (REF)
8G2580A21832
FWD UPPER LINER ASSY BAGGAGE BAY
(REF)
BL -550.0 (REF)
STA 5700.0 (REF)
A407A3C2P ACNHOR NUT (REF)
UP
FWD
LH
D
G, X
VIEW C
STRUCTURES AND SYSTEMS ARE PARTIALLY OMITTED FOR BETTER CLARITY PURPOSE
8G2580A37831 ANGLE SOFT LINER MOUNTING ASSY (REF)
MS27039-1-07 SCREW (2 OFF - REF)
NAS1149D0316K (2 OFF - REF)

Figure 4

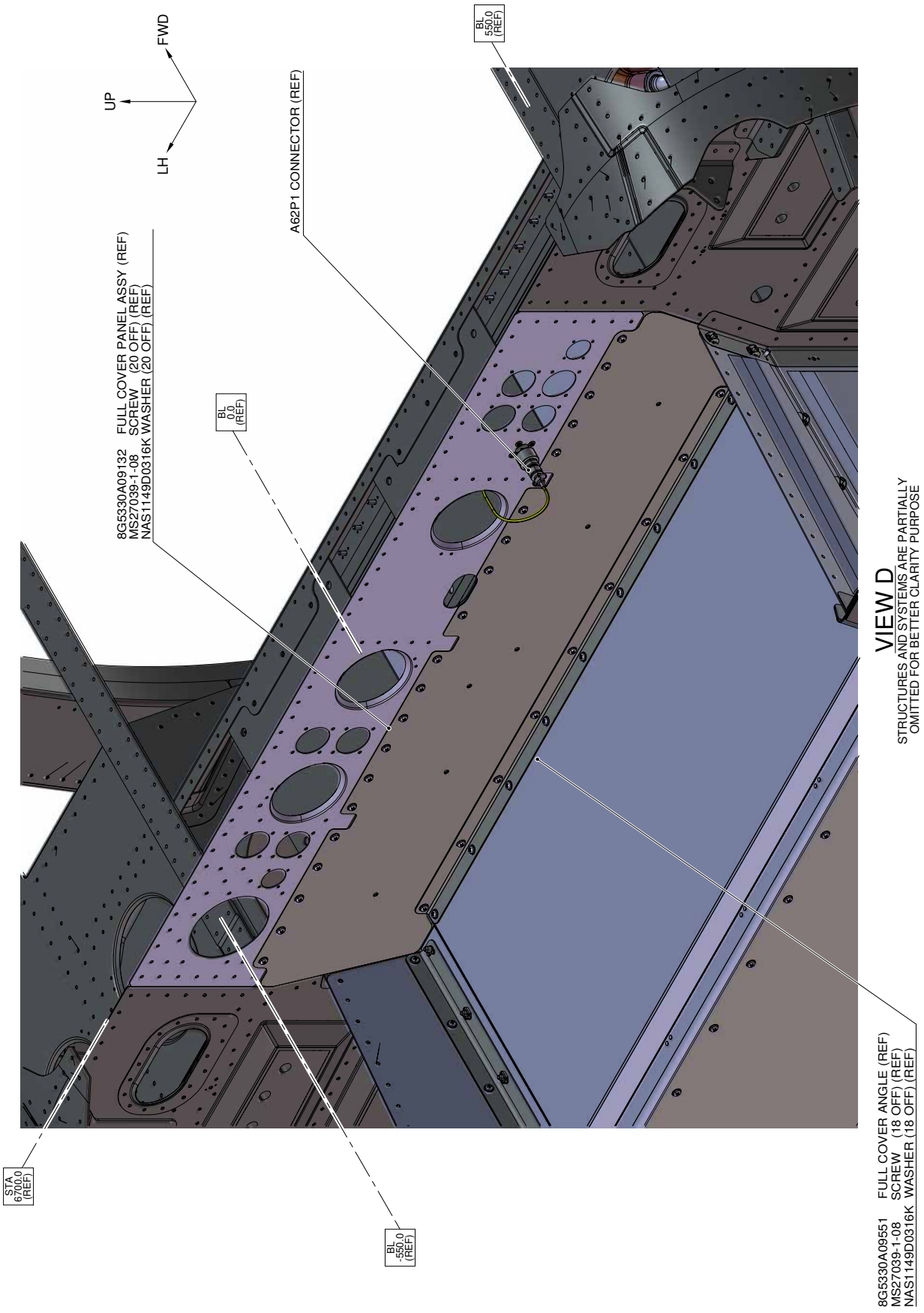
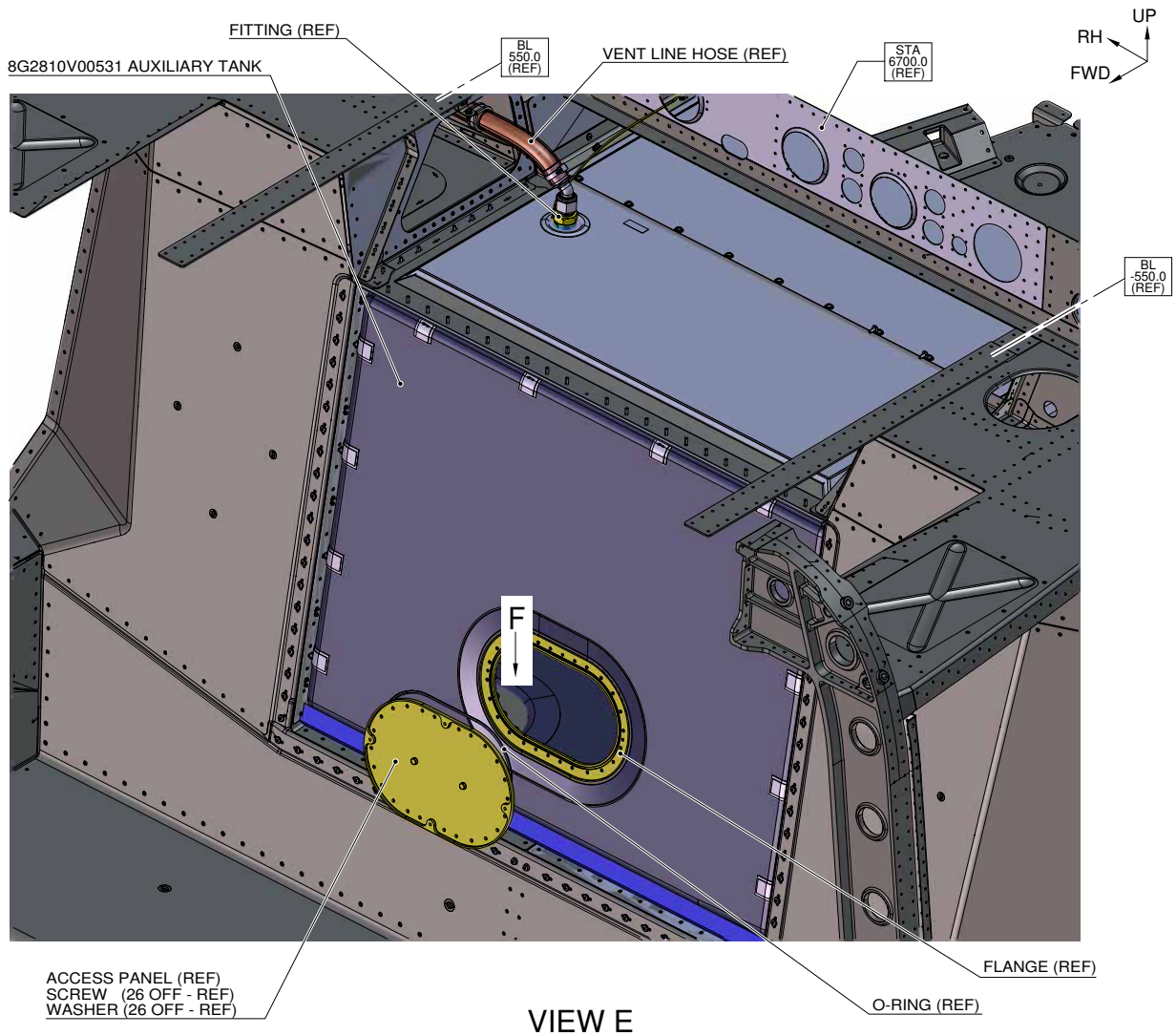
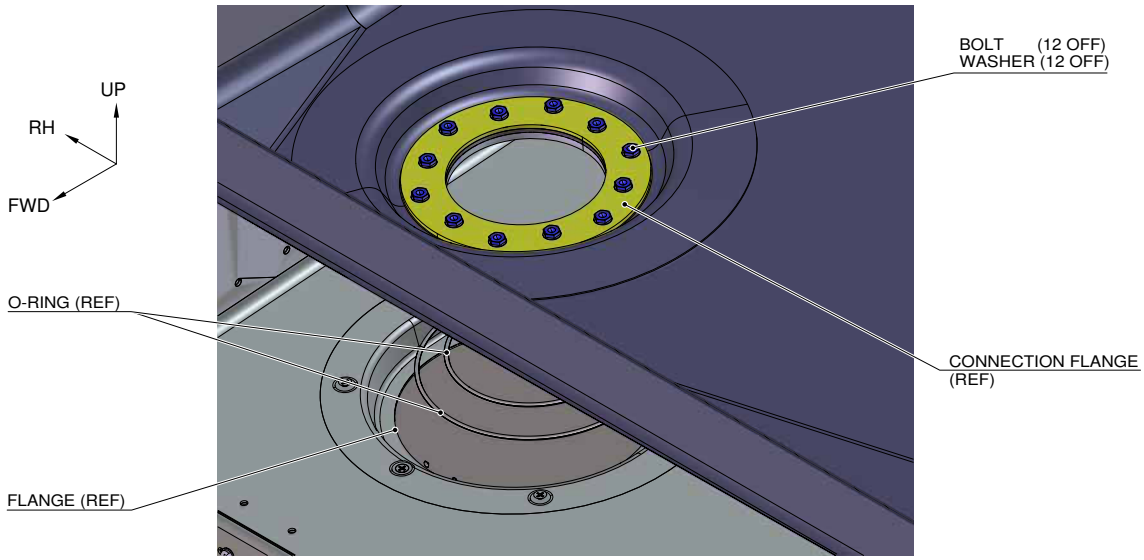

FWD
UP
LH
BL 550.0 (REF)
A62P1 CONNECTOR (REF)
8G5330A09132 FULL COVER PANEL ASSY (REF)
MS27039-1-08 SCREW (20 OFF) (REF)
NAS1149D0316K WASHER (20 OFF) (REF)
BL 0.0 (REF)
VIEW D
STRUCTURES AND SYSTEMS ARE PARTIALLY OMITTED FOR BETTER CLARITY PURPOSE
STA 6700.0 (REF)
BL -550.0 (REF)
8G5330A09551 FULL COVER ANGLE (REF)
MS27039-1-08 SCREW (18 OFF) (REF)
NAS1149D0316K WASHER (18 OFF) (REF)

Figure 5



VIEW E

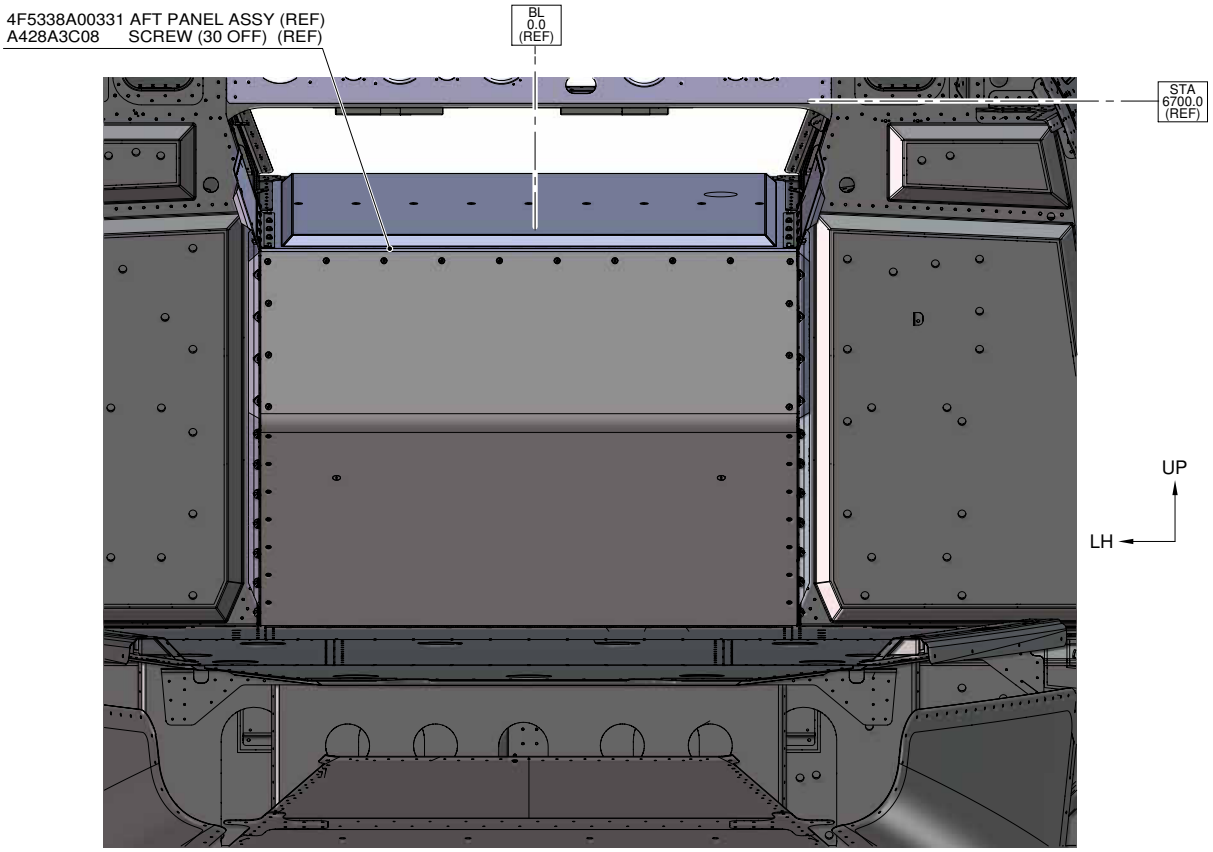
STRUCTURES AND SYSTEMS ARE PARTIALLY OMITTED FOR BETTER CLARITY PURPOSE



VIEW F

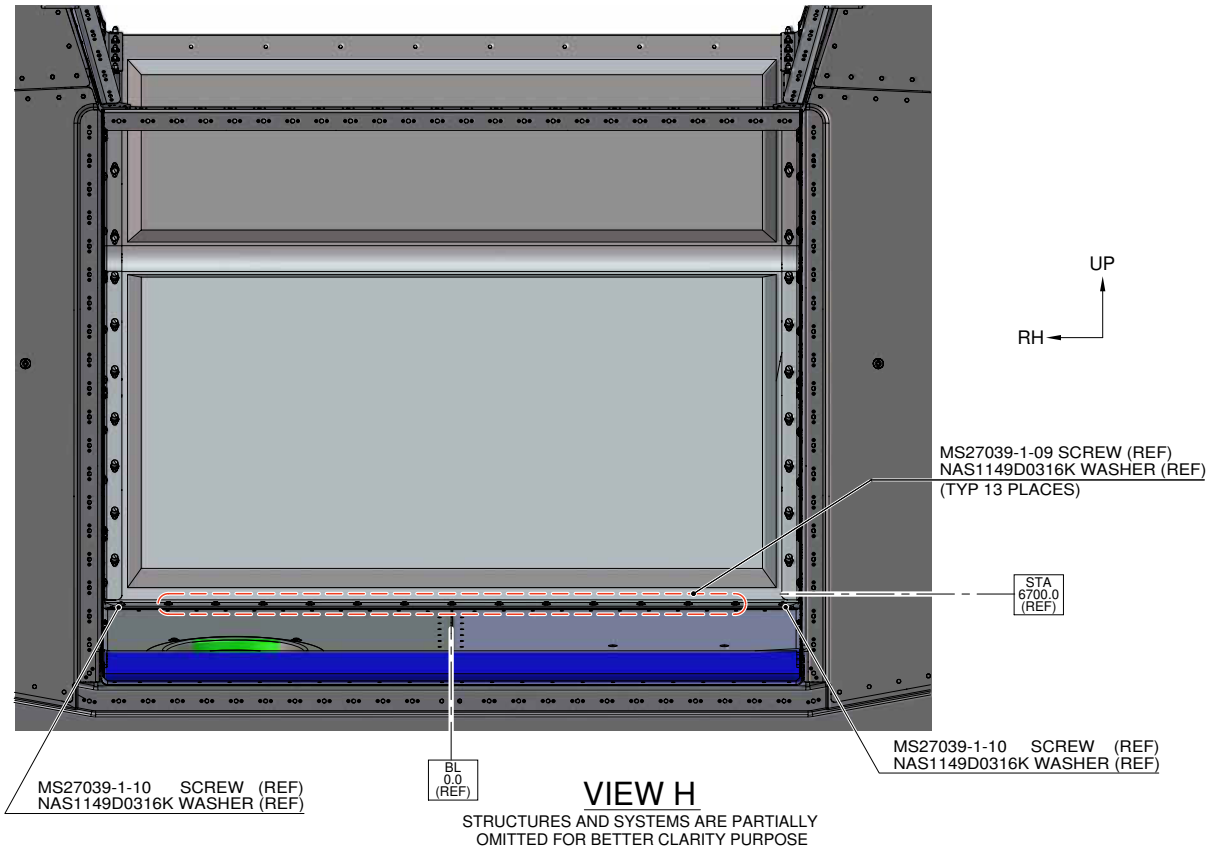
STRUCTURES AND SYSTEMS ARE PARTIALLY OMITTED FOR BETTER CLARITY PURPOSE

Figure 6



VIEW G

STRUCTURES AND SYSTEMS ARE PARTIALLY OMITTED FOR BETTER CLARITY PURPOSE



VIEW H

STRUCTURES AND SYSTEMS ARE PARTIALLY OMITTED FOR BETTER CLARITY PURPOSE

Figure 7

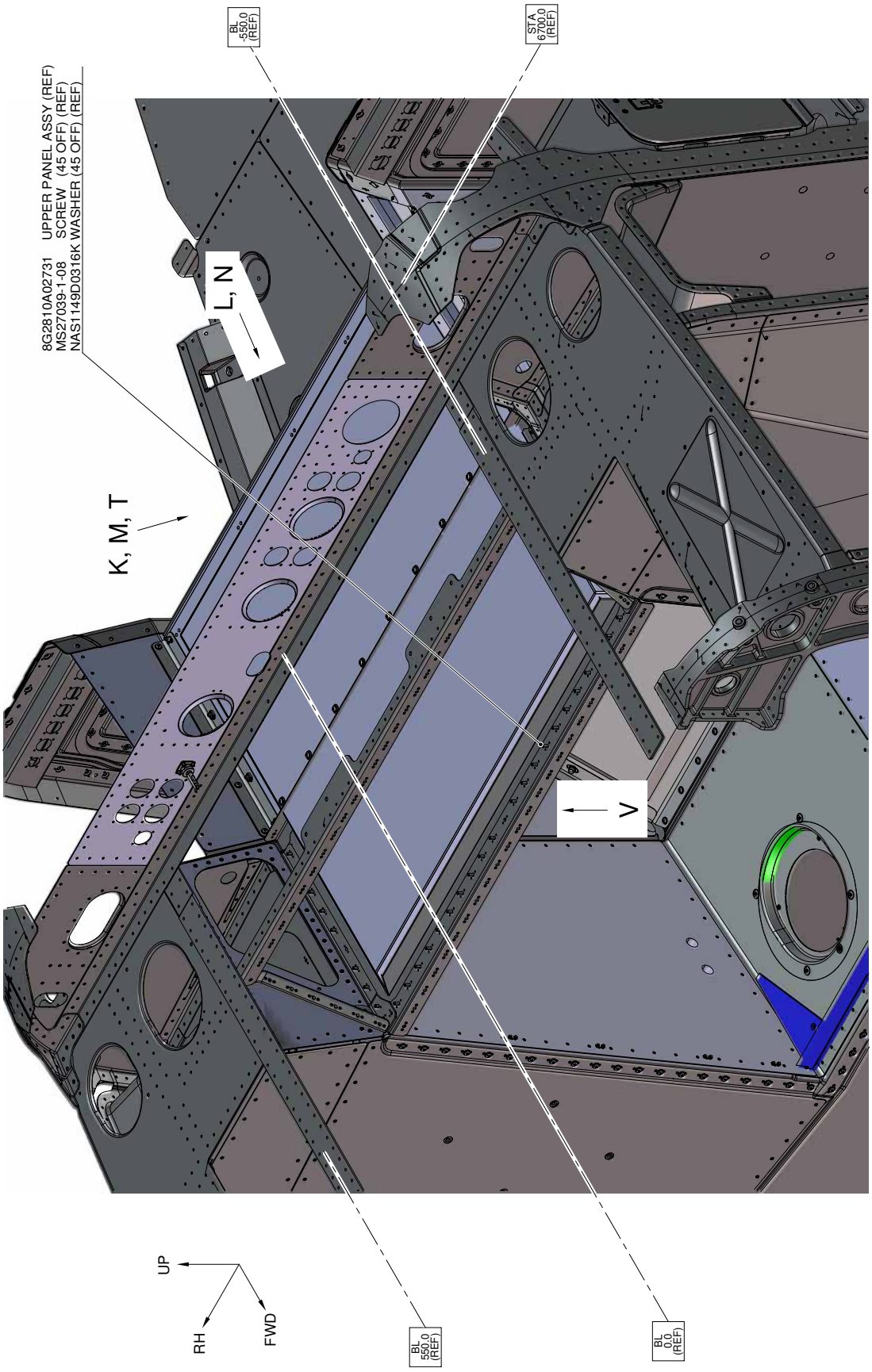
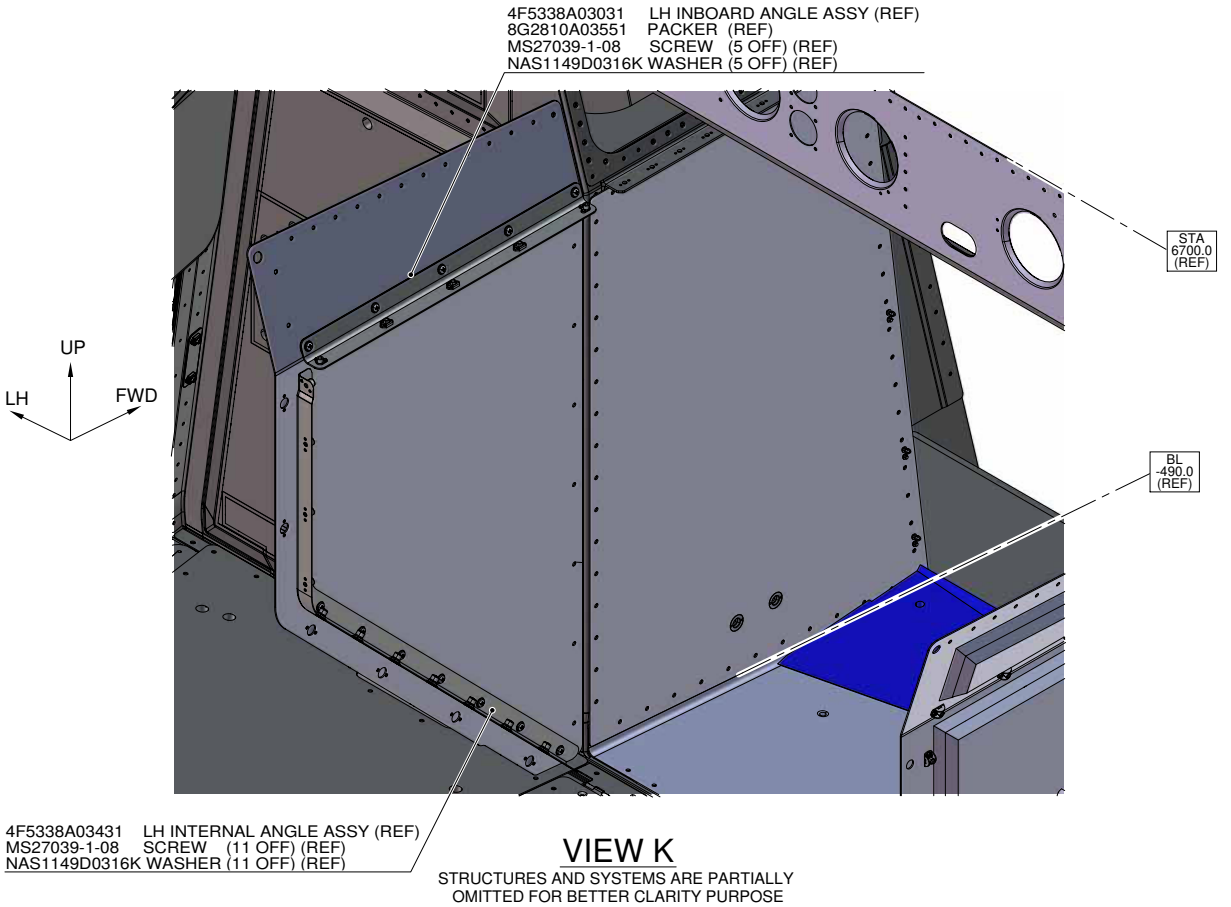
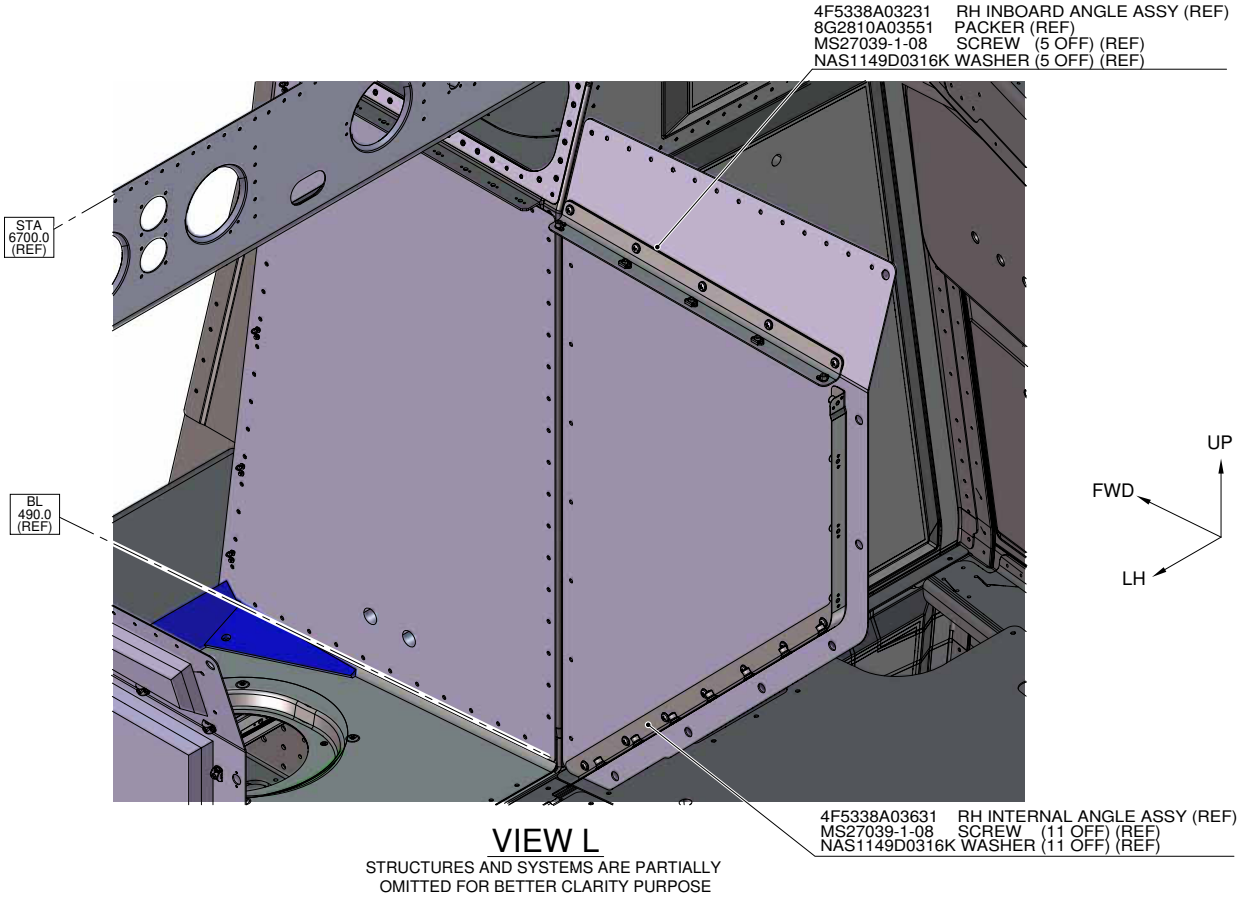

8G2810A02731 UPPER PANEL ASSY (REF)
MS27039-1-08 SCREW (45 OFF) (REF)
NAS1149D0316K WASHER (45 OFF) (REF)
BL -550.0 (REF)
STA 6700.0 (REF)
L, N
K, M, T
V
VIEW J
STRUCTURES AND SYSTEMS ARE PARTIALLY OMITTED FOR BETTER CLARITY PURPOSE
P, R, Q
UP
RH
FWD
BL 550.0 (REF)
BL 0.0 (REF)

Figure 8



VIEW K

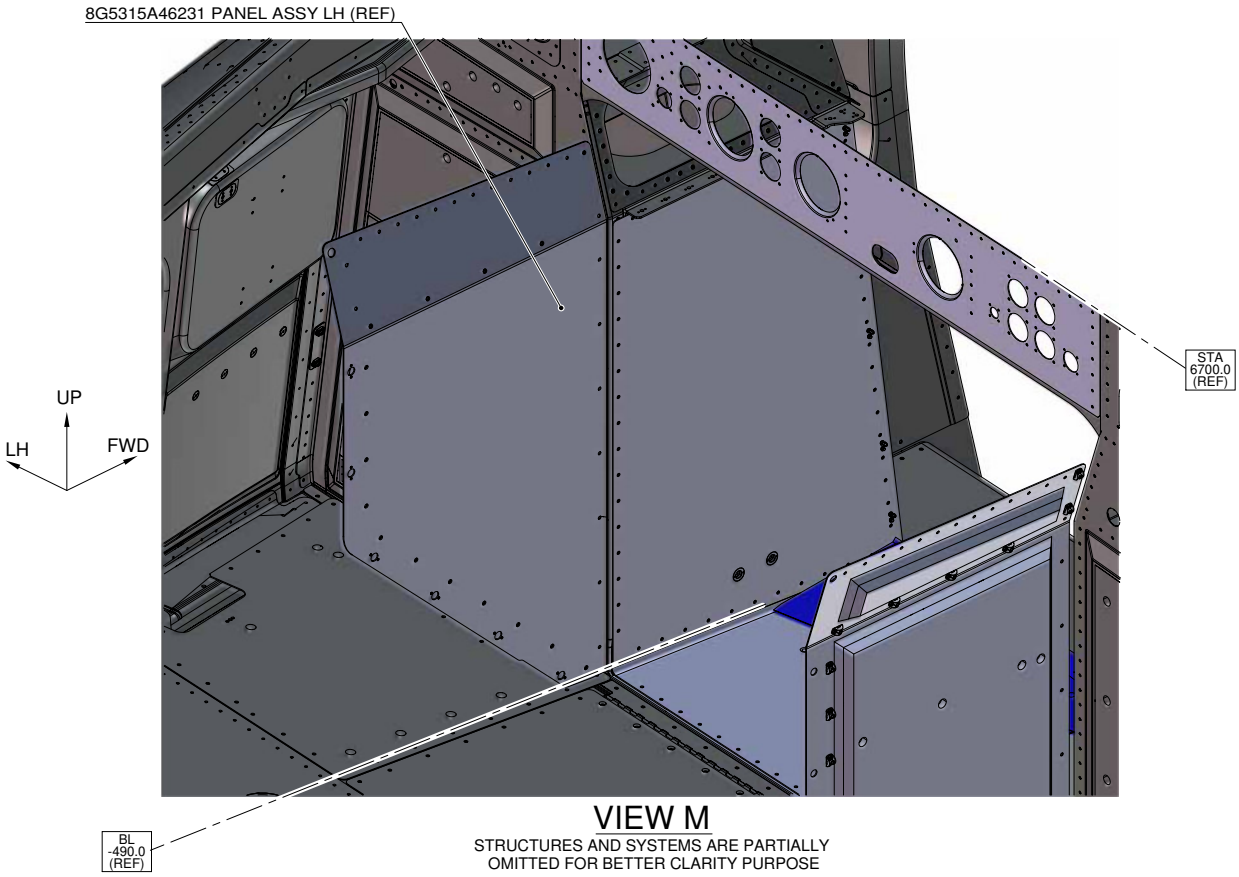
STRUCTURES AND SYSTEMS ARE PARTIALLY OMITTED FOR BETTER CLARITY PURPOSE



VIEW L

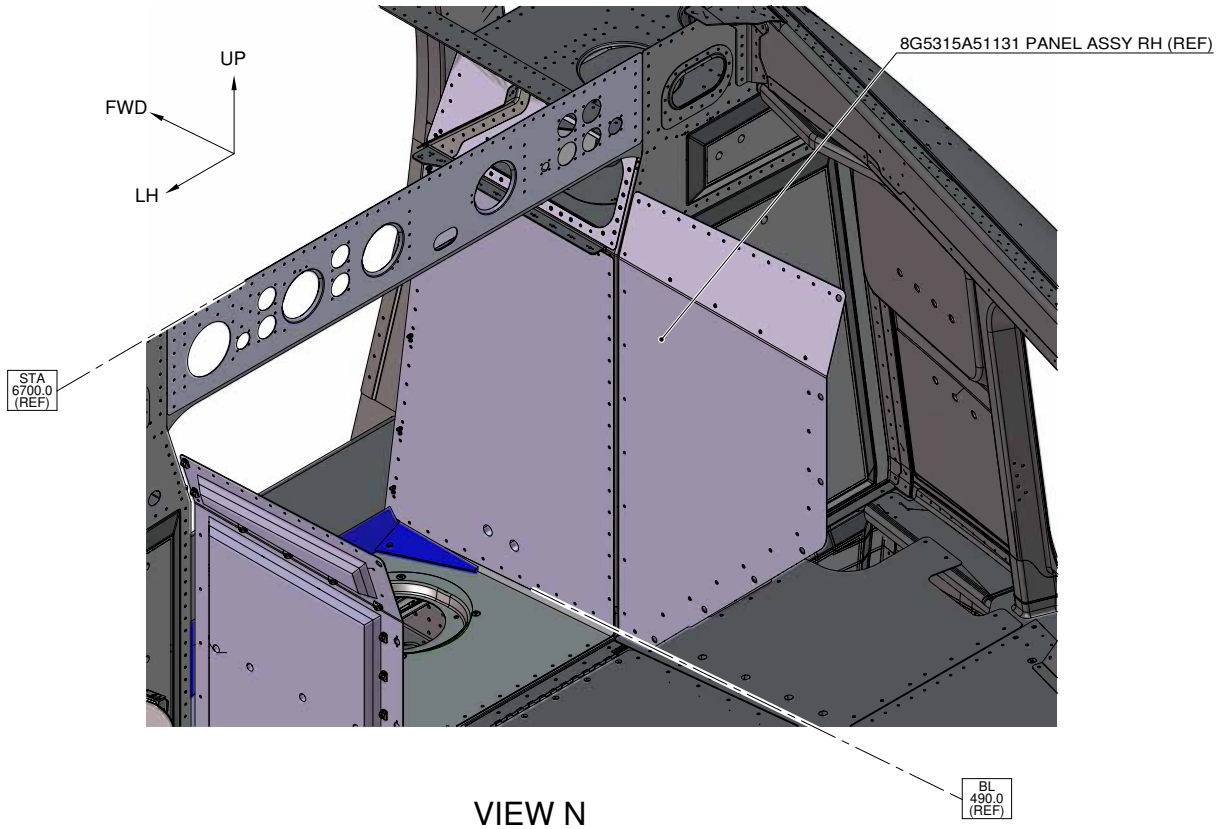
STRUCTURES AND SYSTEMS ARE PARTIALLY OMITTED FOR BETTER CLARITY PURPOSE

Figure 9



VIEW M

STRUCTURES AND SYSTEMS ARE PARTIALLY
OMITTED FOR BETTER CLARITY PURPOSE



VIEW N

STRUCTURES AND SYSTEMS ARE PARTIALLY
OMITTED FOR BETTER CLARITY PURPOSE

Figure 10

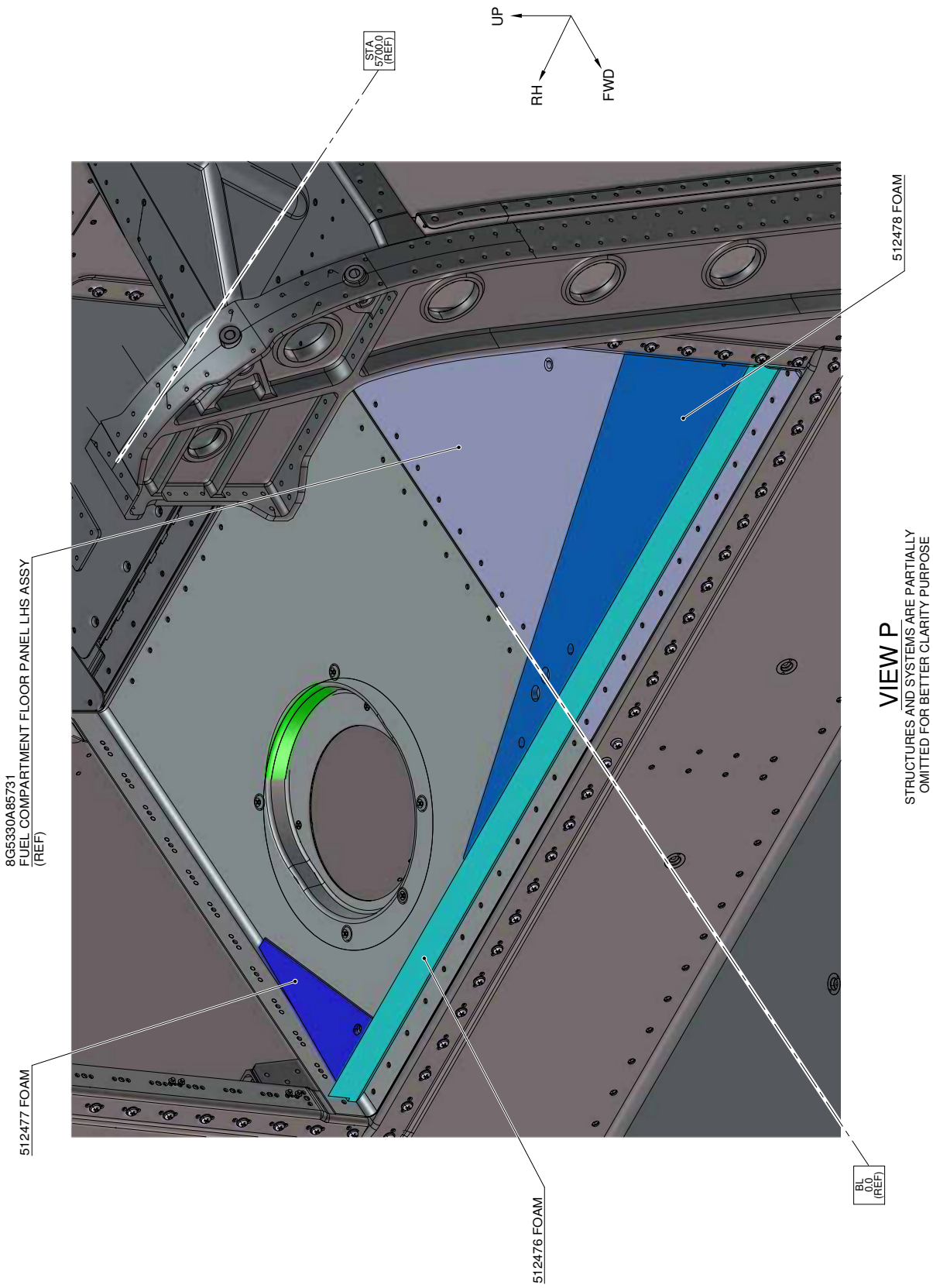
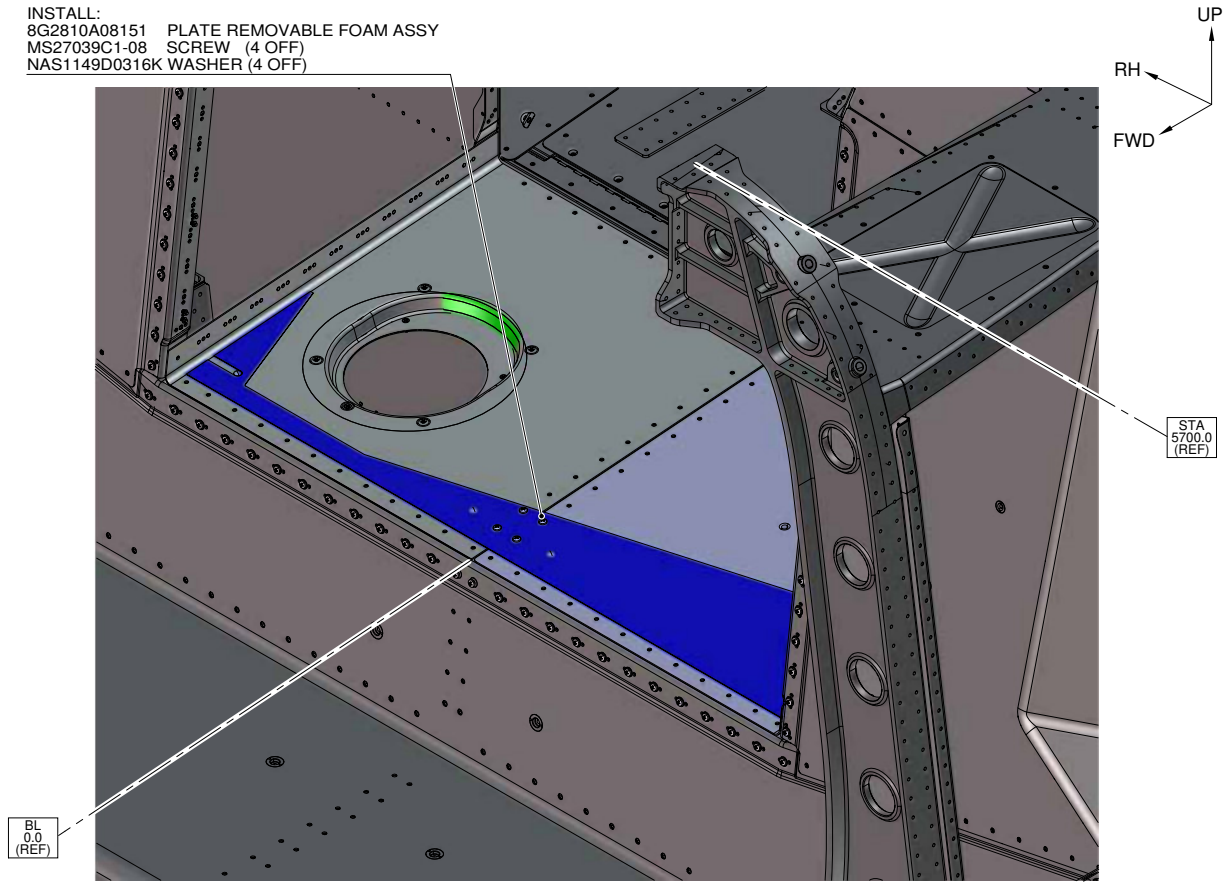
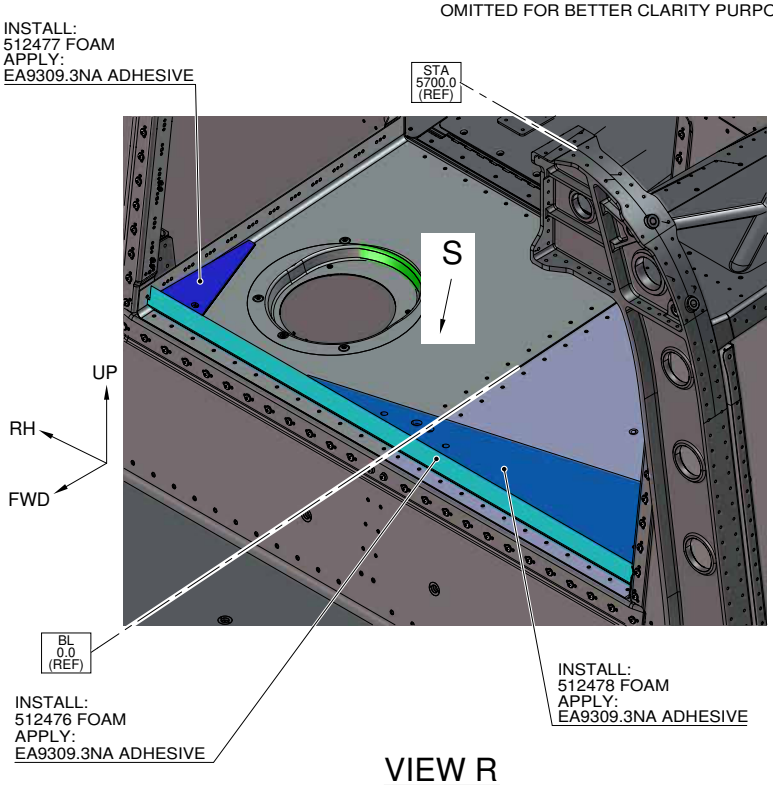

UP
RH
FWD
STA 5700.0 (REF)
512478 FOAM
8G5330A85731
FUEL COMPARTMENT FLOOR PANEL LHS ASSY
(REF)
512477 FOAM
512476 FOAM
BL 0.0 (REF)
VIEW P
STRUCTURES AND SYSTEMS ARE PARTIALLY
OMITTED FOR BETTER CLARITY PURPOSE

Figure 11



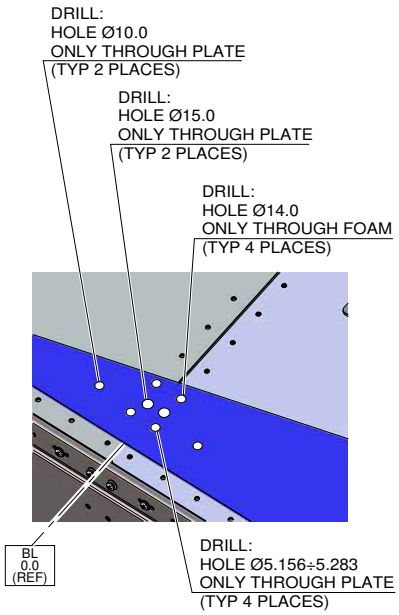
VIEW Q

STRUCTURES AND SYSTEMS ARE PARTIALLY OMITTED FOR BETTER CLARITY PURPOSE



VIEW R

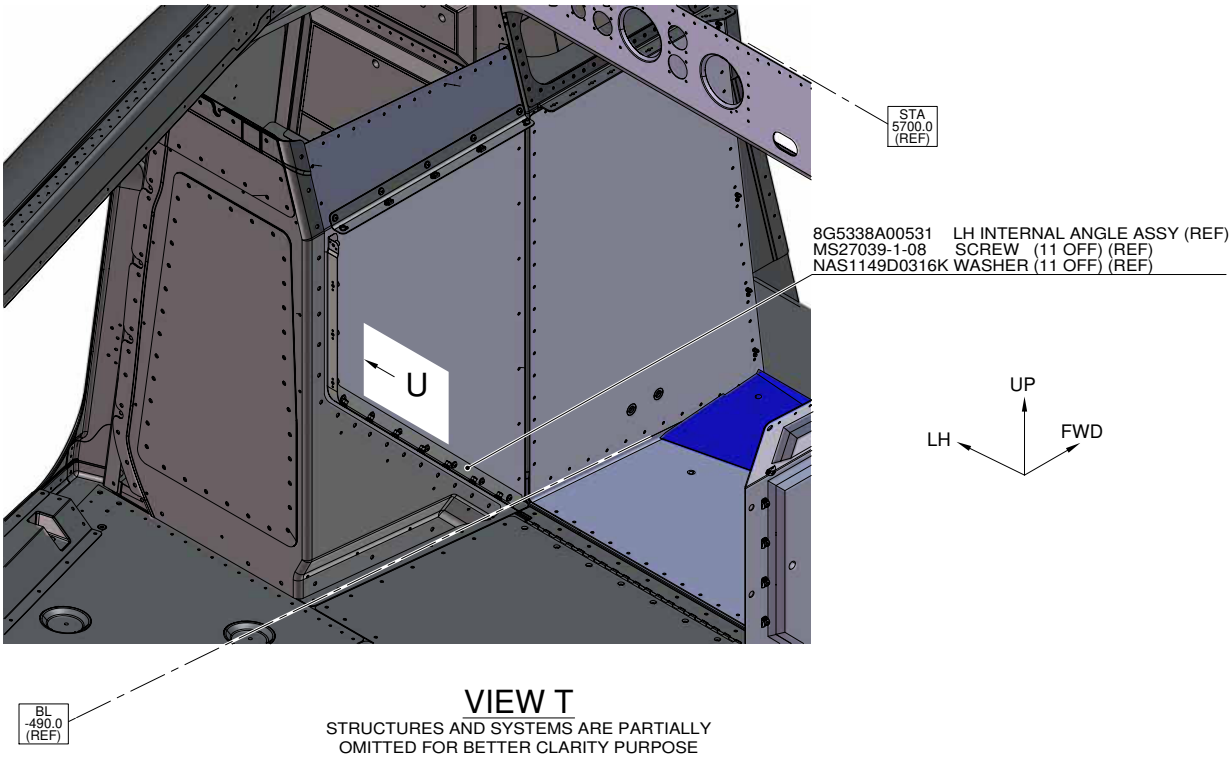
STRUCTURES AND SYSTEMS ARE PARTIALLY OMITTED FOR BETTER CLARITY PURPOSE



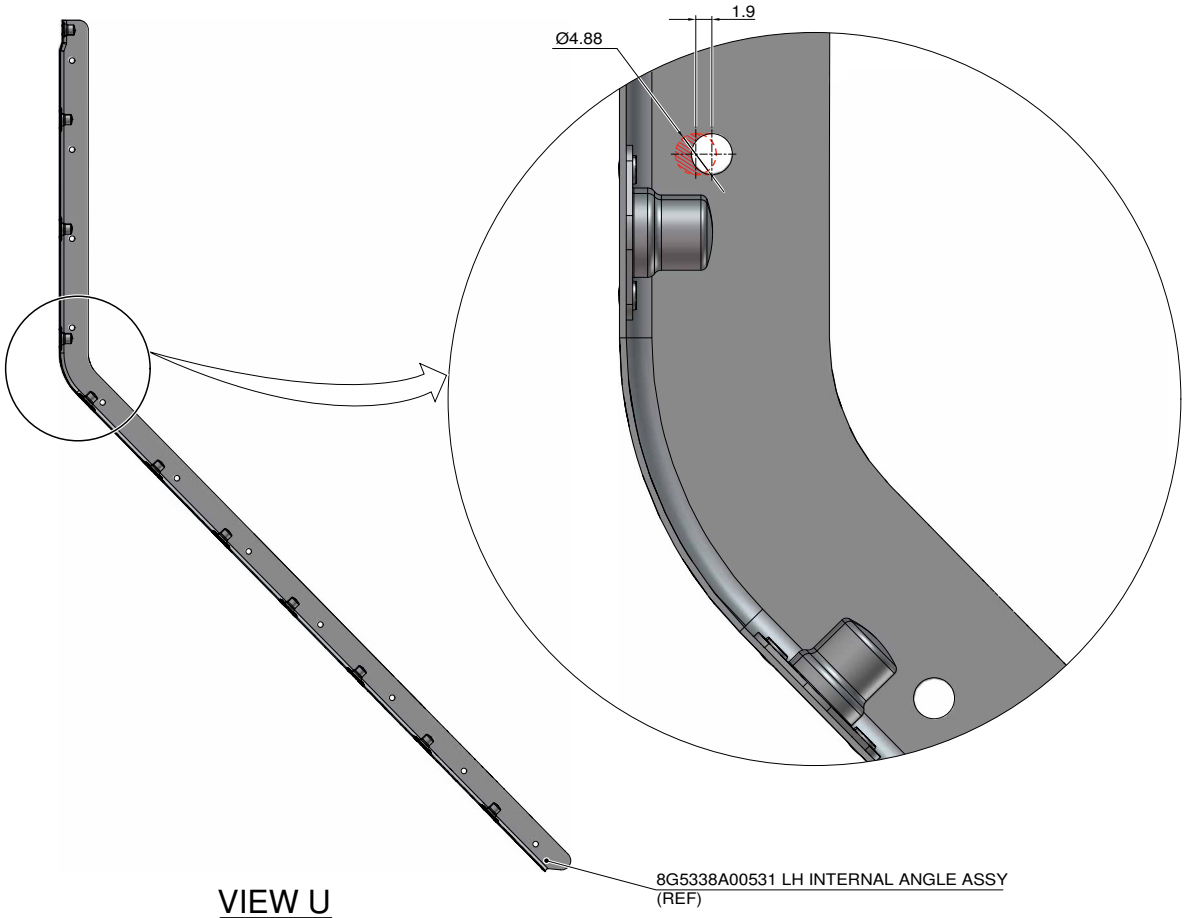
VIEW S

STRUCTURES AND SYSTEMS ARE PARTIALLY OMITTED FOR BETTER CLARITY PURPOSE

Figure 12



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



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

Figure 13

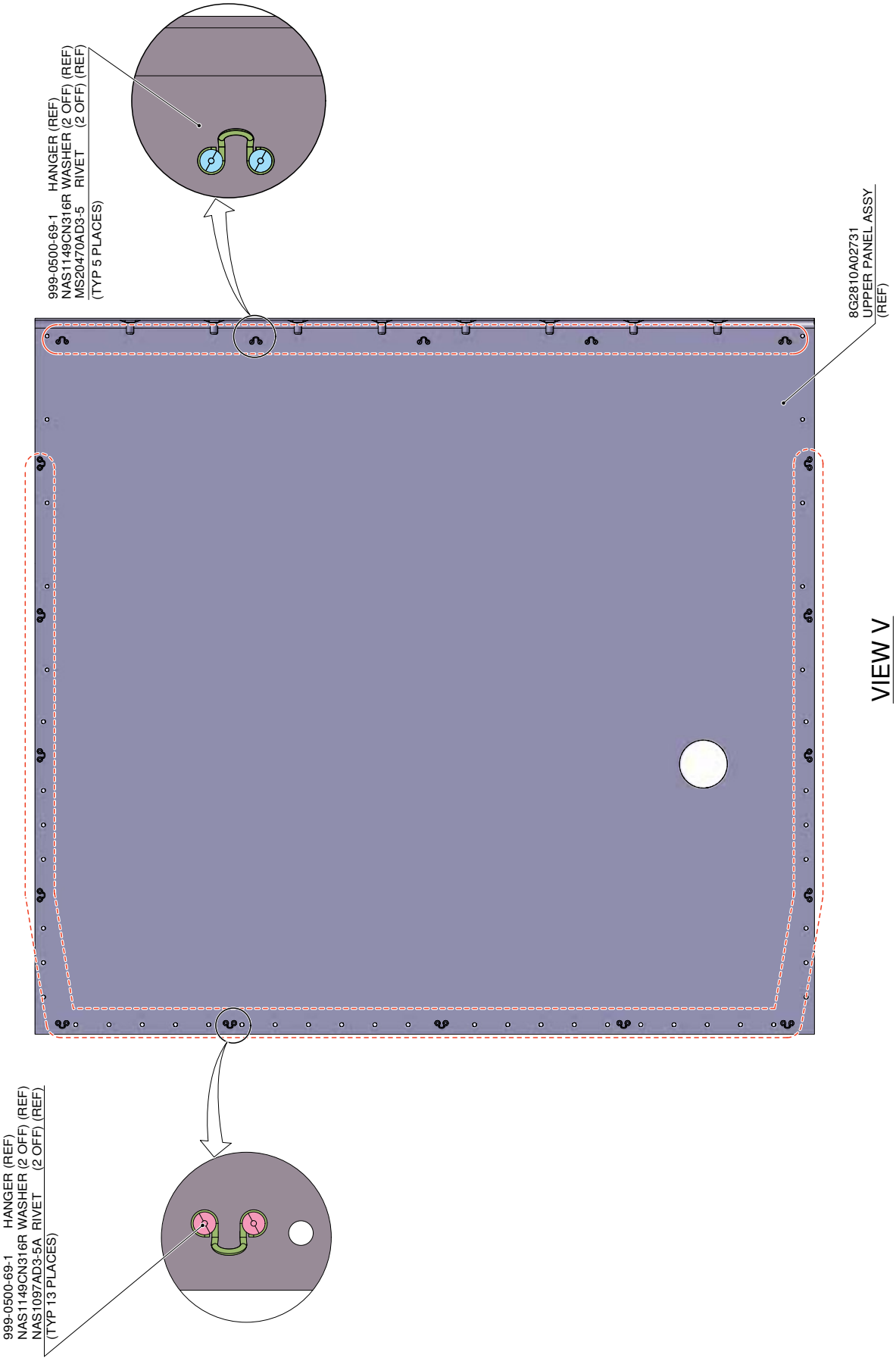

999-0500-69-1 HANGER (REF)
NAS1149CN316R WASHER (2 OFF) (REF)
MS20470AD3-5 RIVET (2 OFF) (REF)
(TYP 5 PLACES)
8G2810A02731
UPPER PANEL ASSY
(REF)
VIEW V
999-0500-69-1 HANGER (REF)
NAS1149CN316R WASHER (2 OFF) (REF)
NAS1097AD3-5A RIVET (2 OFF) (REF)
(TYP 13 PLACES)

Figure 14

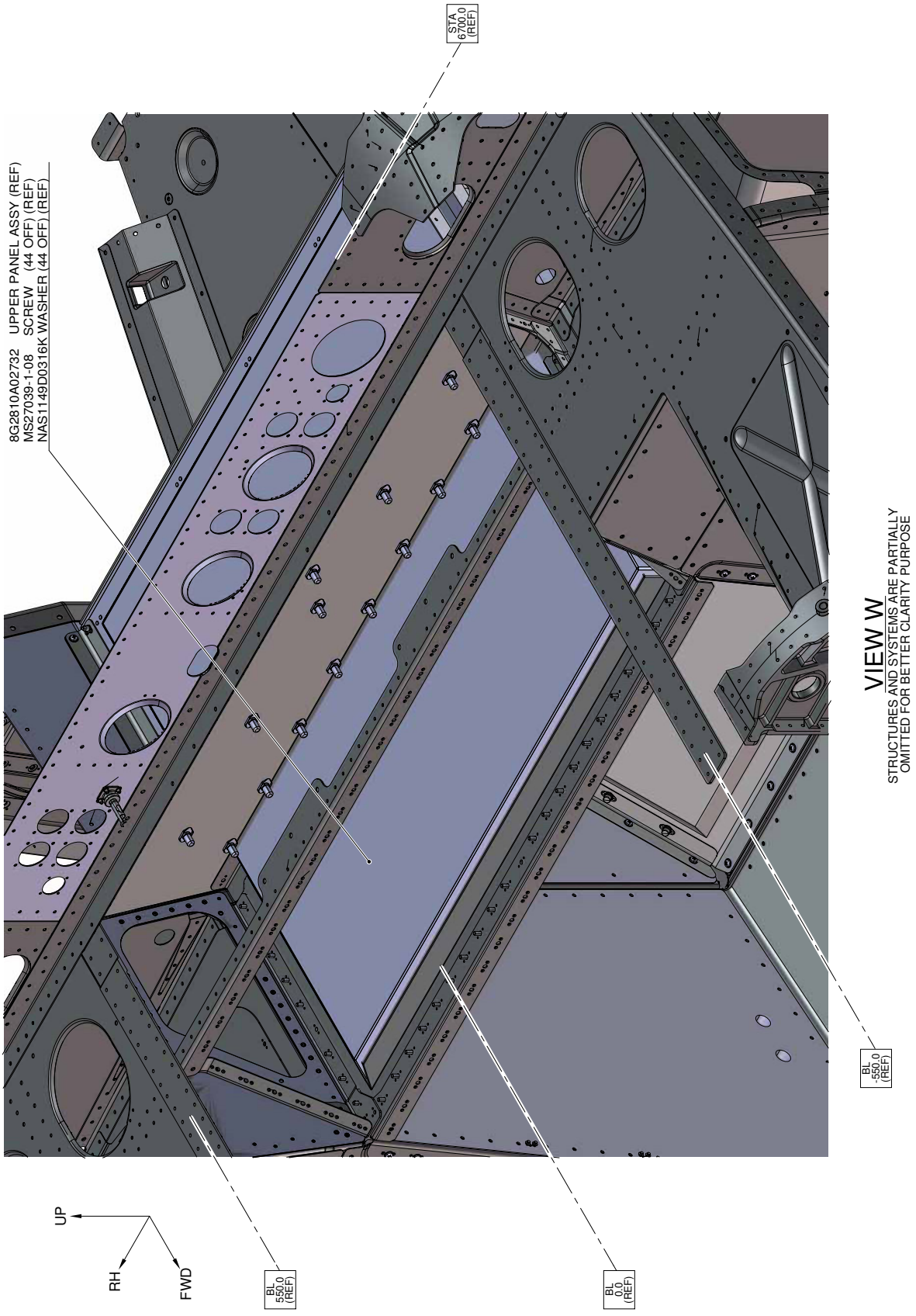

STA 6700.0 (REF)
8G2810A02732 UPPER PANEL ASSY (REF)
MS27039-1-08 SCREW (44 OFF) (REF)
NAS1149D0316K WASHER (44 OFF) (REF)
VIEW W
STRUCTURES AND SYSTEMS ARE PARTIALLY OMITTED FOR BETTER CLARITY PURPOSE
BL -550.0 (REF)
UP
RH
FWD
BL 560.0 (REF)
BL 0.0 (REF)

Figure 15

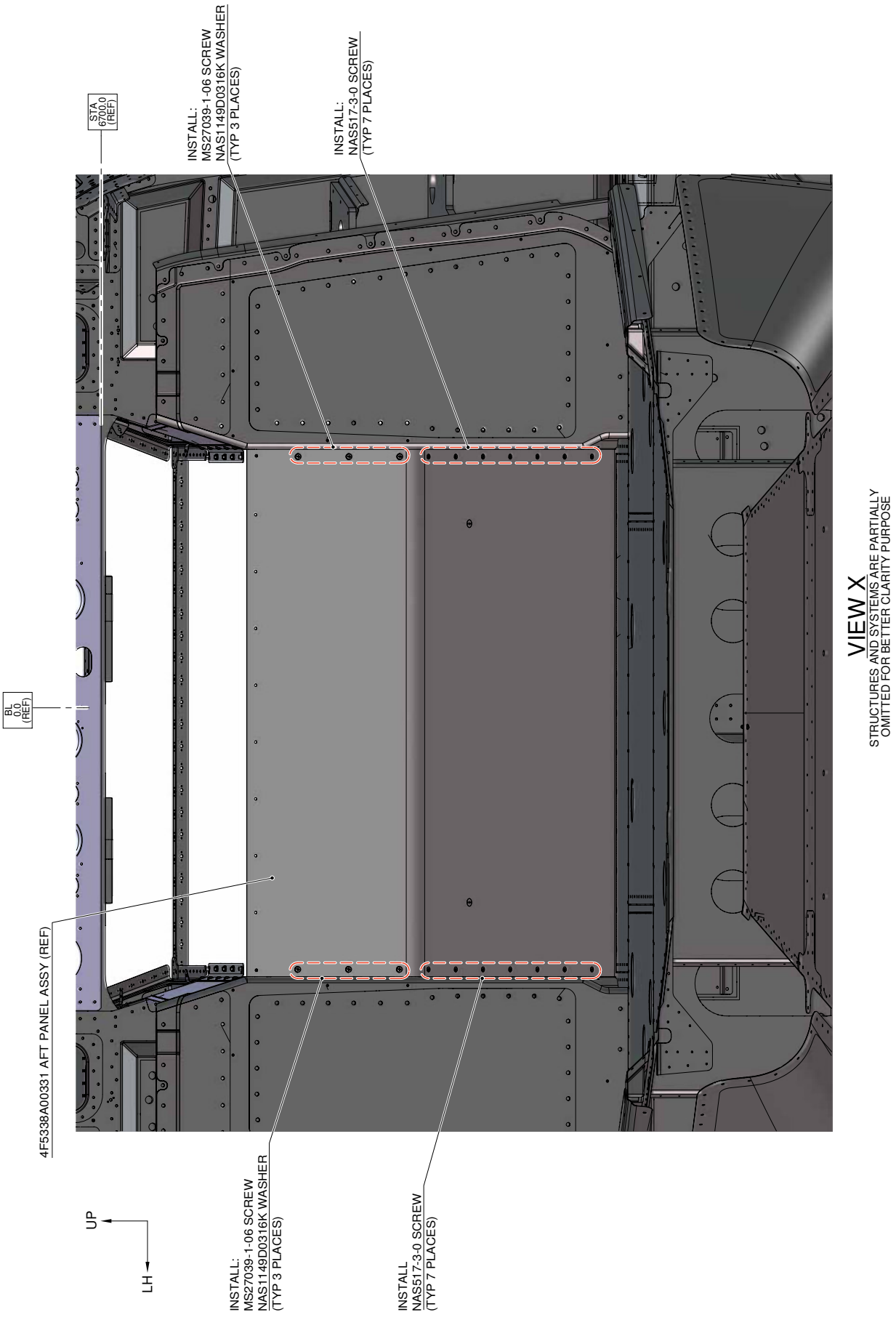

STA
6700.0
(REF)
INSTALL:
MS27039-1-06 SCREW
NAS1149D0316K WASHER
(TYP 3 PLACES)
INSTALL:
NAS517-3-0 SCREW
(TYP 7 PLACES)
BL
0.0
(REF)
4F5338A00331 AFT PANEL ASSY (REF)
UP
LH
INSTALL:
MS27039-1-06 SCREW
NAS1149D0316K WASHER
(TYP 3 PLACES)
INSTALL
NAS517-3-0 SCREW
(TYP 7 PLACES)
VIEW X
STRUCTURES AND SYSTEMS ARE PARTIALLY
OMITTED FOR BETTER CLARITY PURPOSE

Figure 16

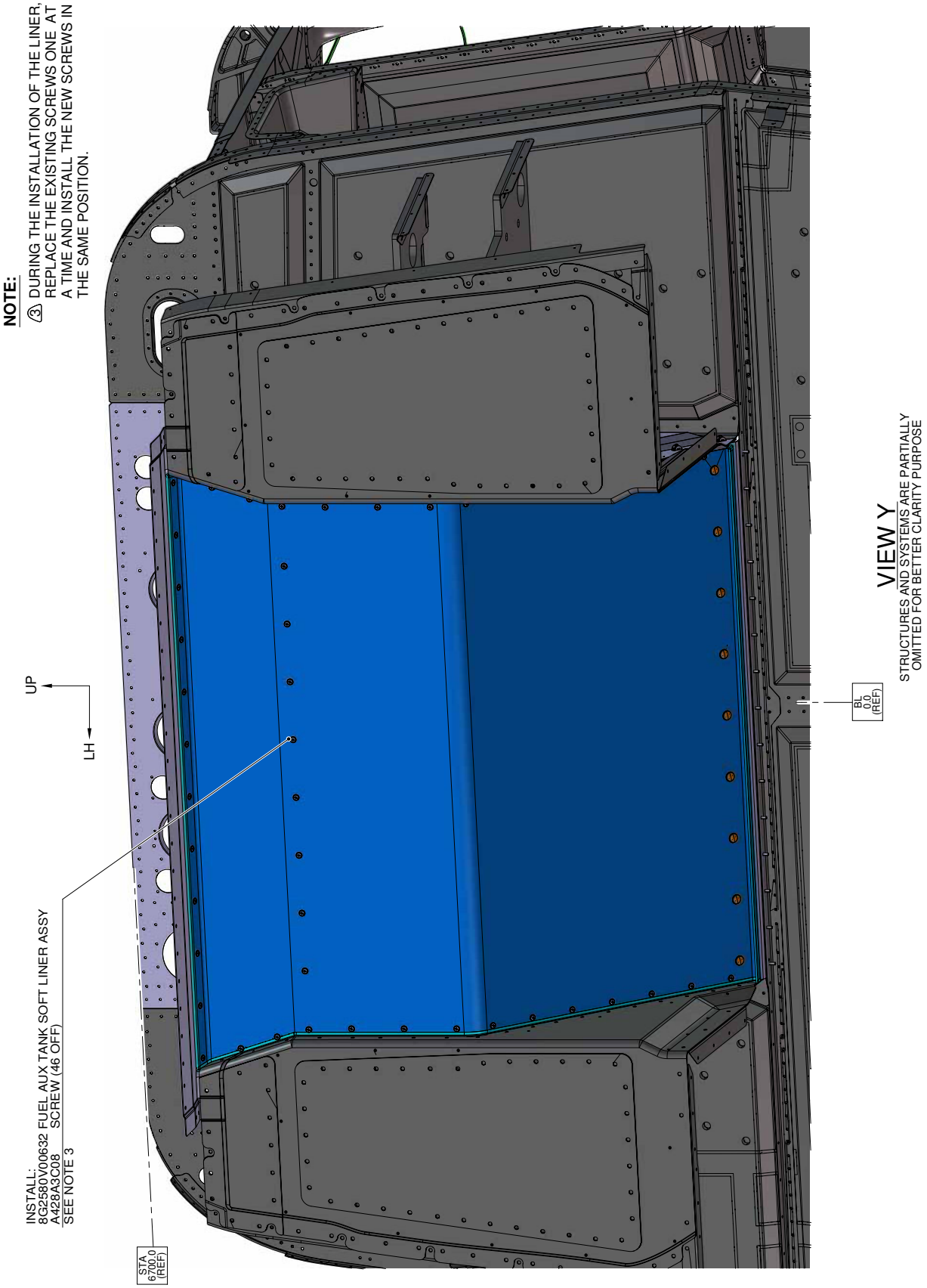
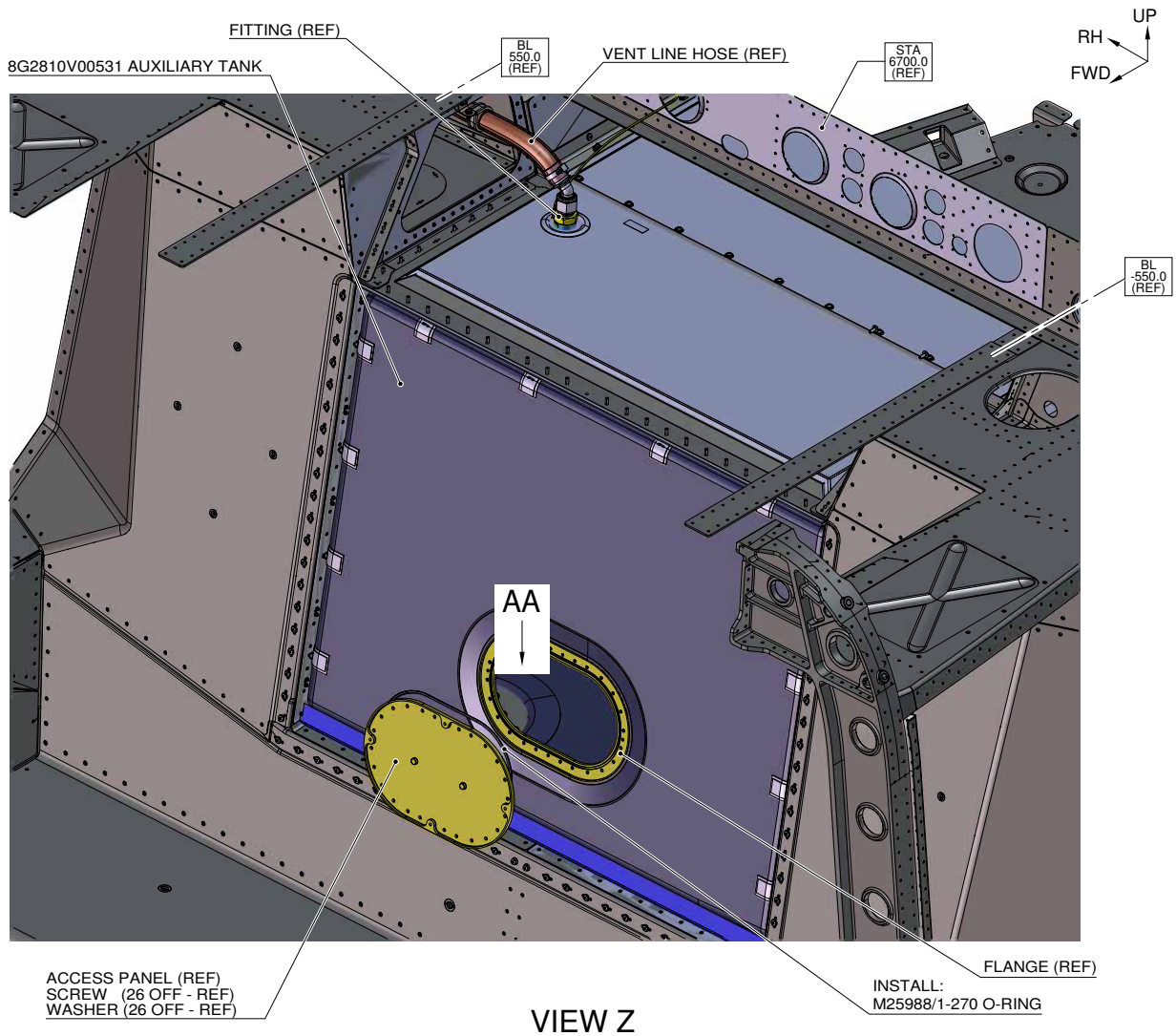
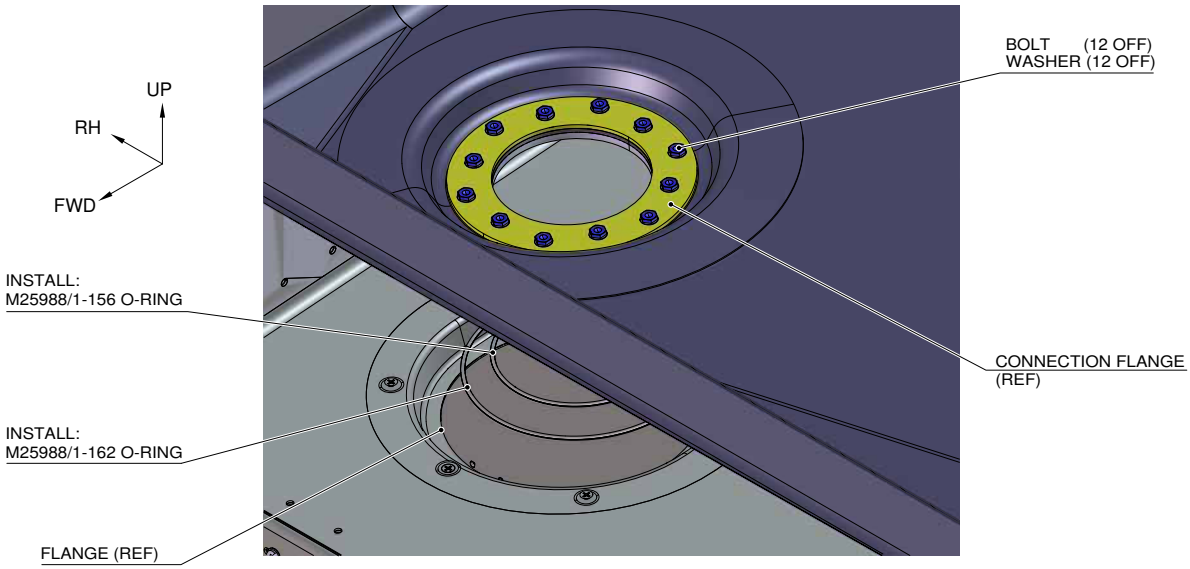

NOTE:
3 DURING THE INSTALLATION OF THE LINER, REPLACE THE EXISTING SCREWS ONE AT A TIME AND INSTALL THE NEW SCREWS IN THE SAME POSITION.
UP
LH
INSTALL:
8G2580V00632 FUEL AUX TANK SOFT LINER ASSY
A428A3C08 SCREW (46 OFF)
SEE NOTE 3
STA 6700.0 (REF)
BL 0.0 (REF)
VIEW Y
STRUCTURES AND SYSTEMS ARE PARTIALLY OMITTED FOR BETTER CLARITY PURPOSE

Figure 17



VIEW Z

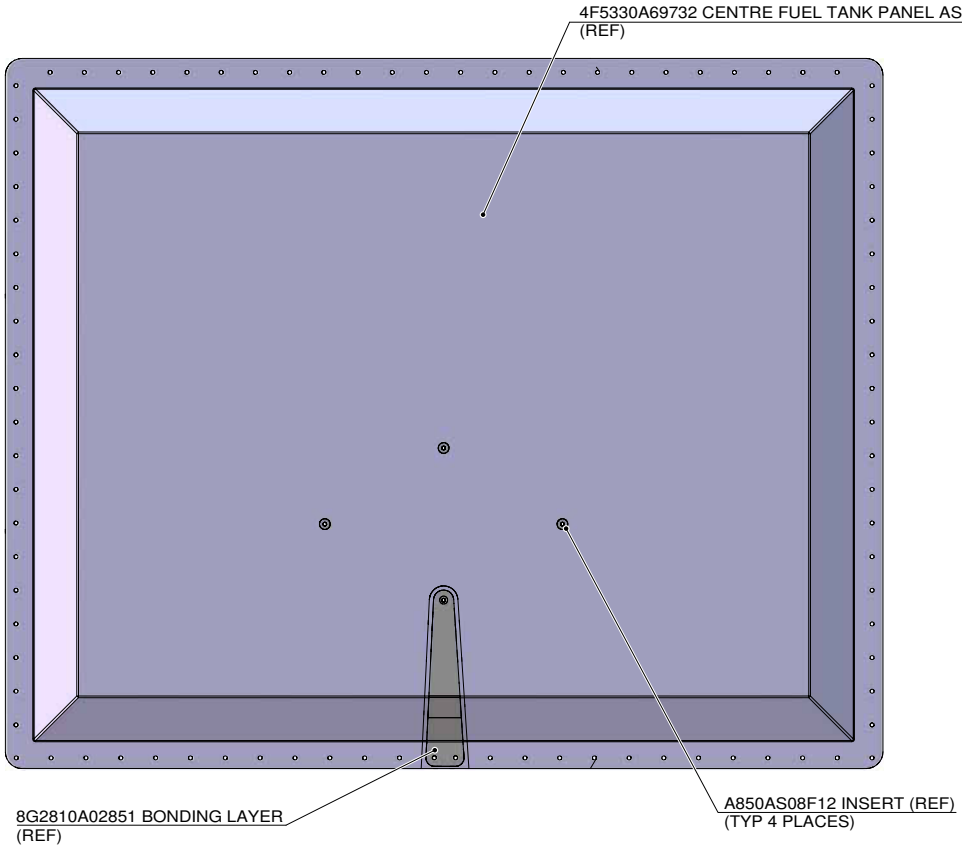
STRUCTURES AND SYSTEMS ARE PARTIALLY OMITTED FOR BETTER CLARITY PURPOSE



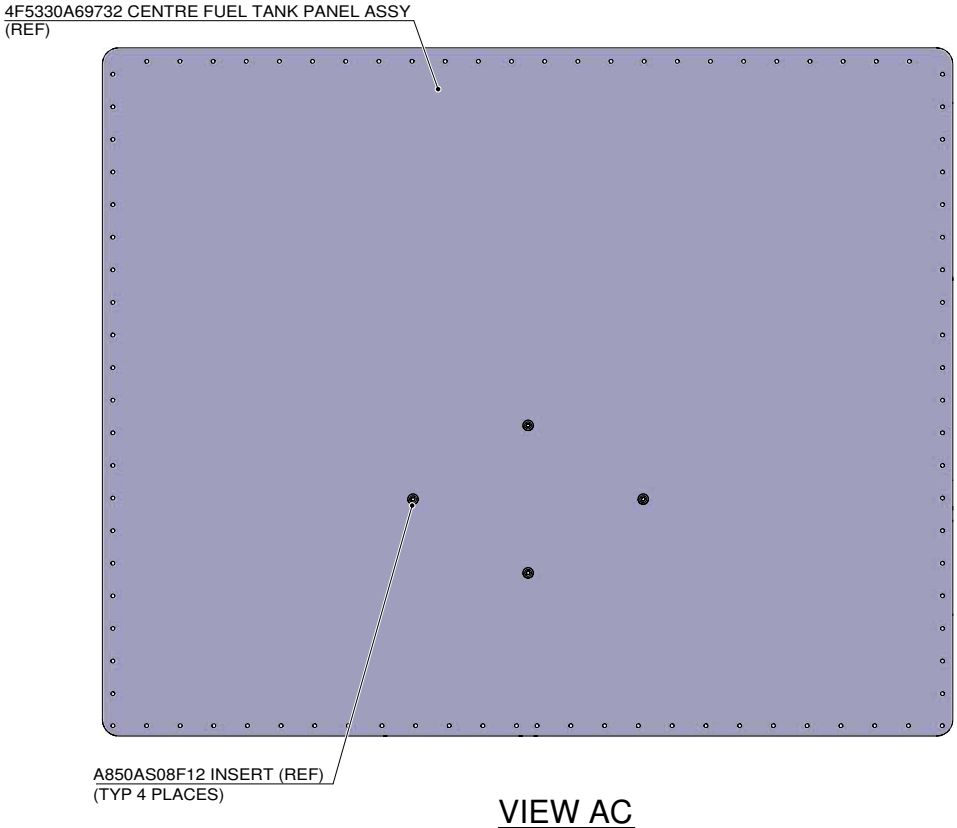
VIEW AA

STRUCTURES AND SYSTEMS ARE PARTIALLY OMITTED FOR BETTER CLARITY PURPOSE

Figure 18



VIEW AB



VIEW AC

Figure 19

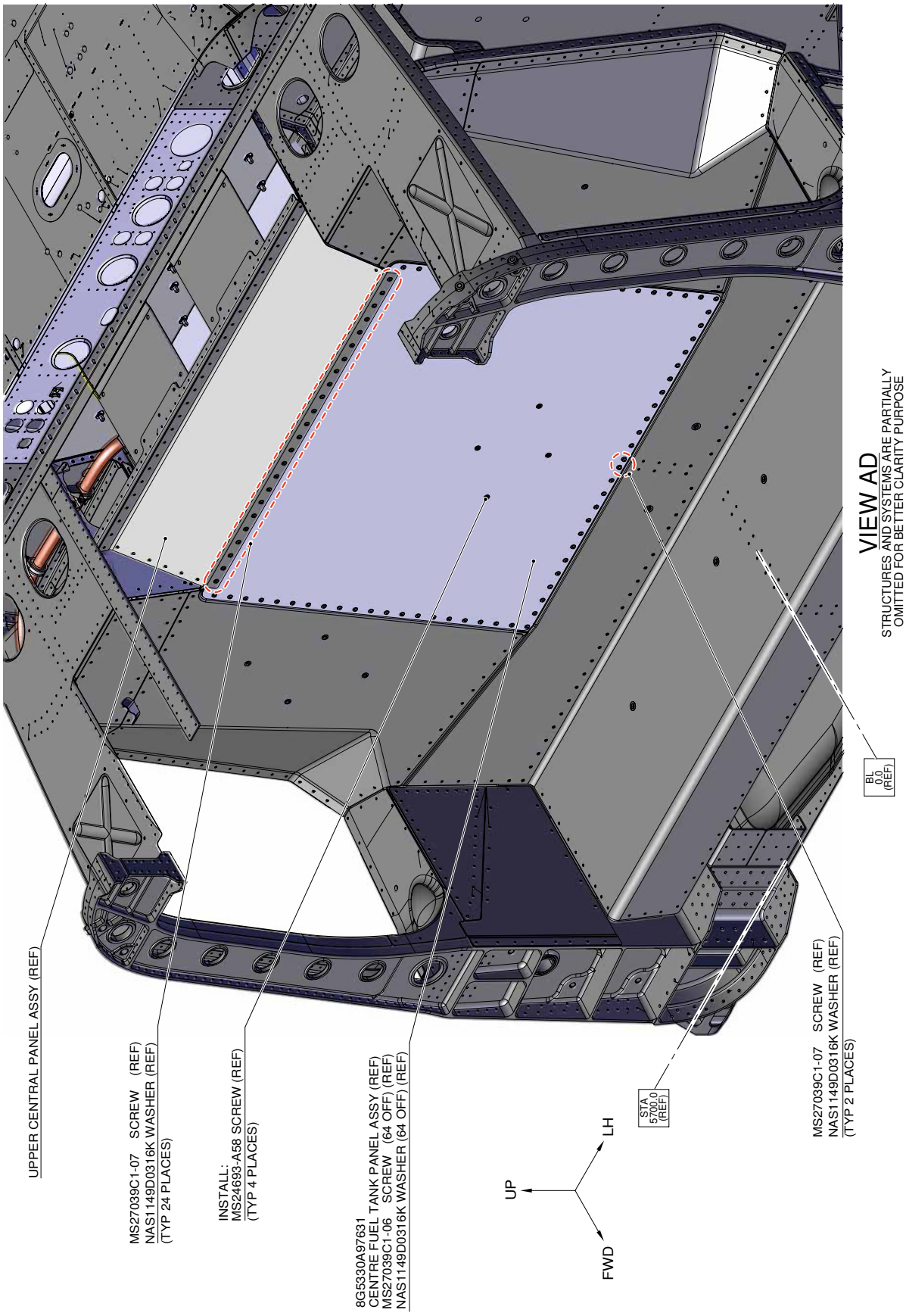

VIEW AD
STRUCTURES AND SYSTEMS ARE PARTIALLY OMITTED FOR BETTER CLARITY PURPOSE
UPPER CENTRAL PANEL ASSY (REF)
MS27039C1-07 SCREW (REF)
NAS1149D0316K WASHER (REF)
(TYP 24 PLACES)
INSTALL:
MS24693-A58 SCREW (REF)
(TYP 4 PLACES)
8G5330A97631
CENTRE FUEL TANK PANEL ASSY (REF)
MS27039C1-06 SCREW (64 OFF) (REF)
NAS1149D0316K WASHER (64 OFF) (REF)
MS27039C1-07 SCREW (REF)
NAS1149D0316K WASHER (REF)
(TYP 2 PLACES)
STA 5700.0 (REF)
BL 0.0 (REF)
UP
LH
FWD

Figure 20

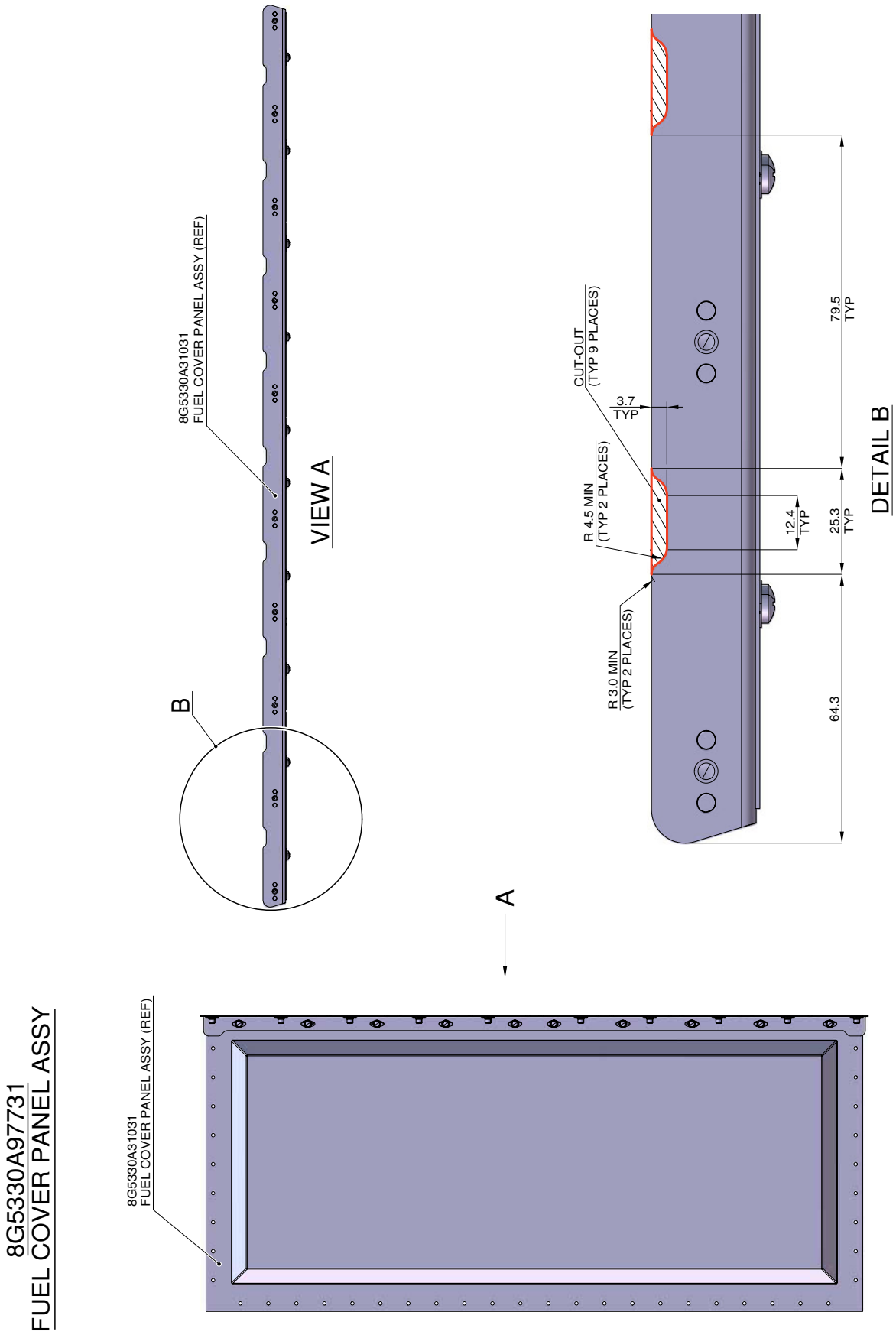
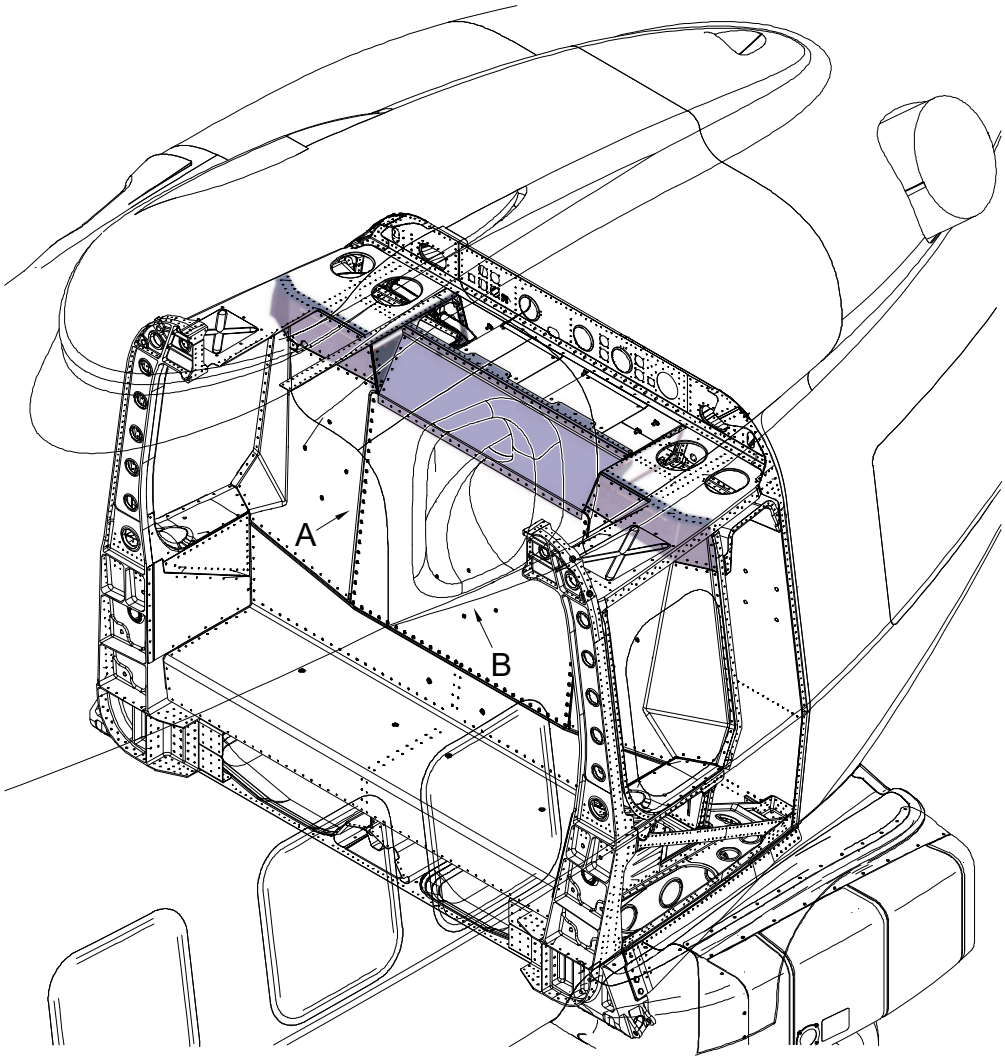

8G5330A97731
FUEL COVER PANEL ASSY
8G5330A31031
FUEL COVER PANEL ASSY (REF)
A
VIEW A
B
DETAIL B
CUT-OUT
(TYP 9 PLACES)
3.7
TYP
R 4.5 MIN
(TYP 2 PLACES)
R 3.0 MIN
(TYP 2 PLACES)
12.4
TYP
25.3
TYP
79.5
TYP
64.3

Figure 21


A
B

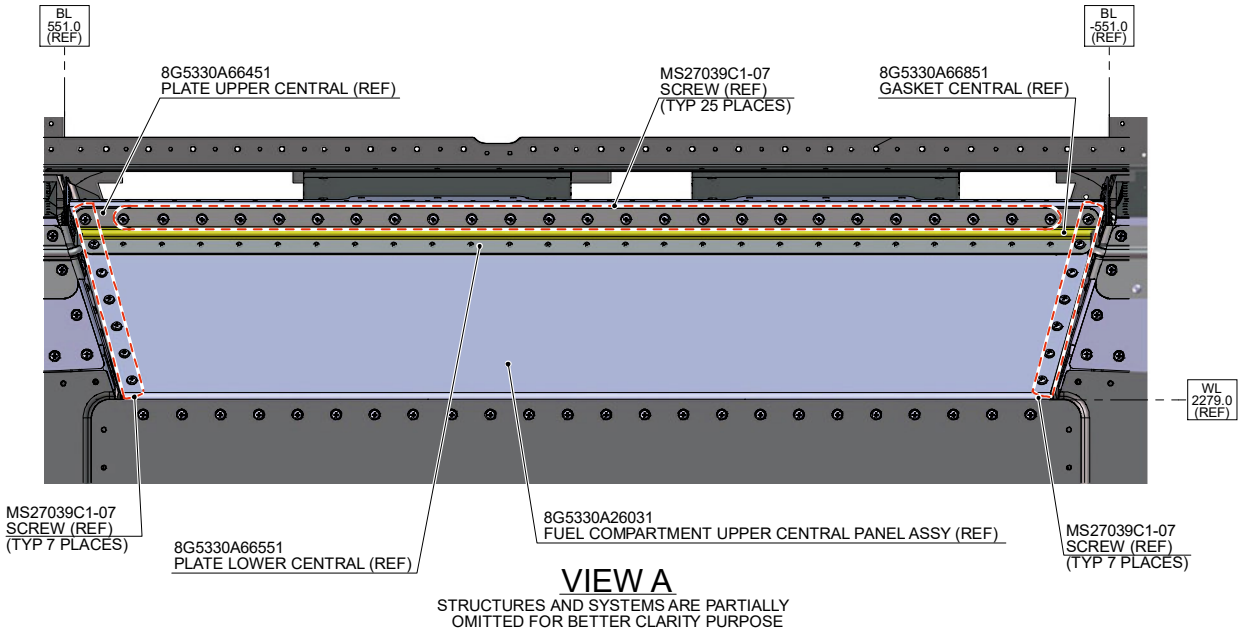

BL
551.0
(REF)
8G5330A66451
PLATE UPPER CENTRAL (REF)
MS27039C1-07
SCREW (REF)
(TYP 25 PLACES)
8G5330A66851
GASKET CENTRAL (REF)
BL
-551.0
(REF)
WL
2279.0
(REF)
MS27039C1-07
SCREW (REF)
(TYP 7 PLACES)
8G5330A66551
PLATE LOWER CENTRAL (REF)
8G5330A26031
FUEL COMPARTMENT UPPER CENTRAL PANEL ASSY (REF)
MS27039C1-07
SCREW (REF)
(TYP 7 PLACES)
VIEW A
STRUCTURES AND SYSTEMS ARE PARTIALLY
OMITTED FOR BETTER CLARITY PURPOSE

Figure 22

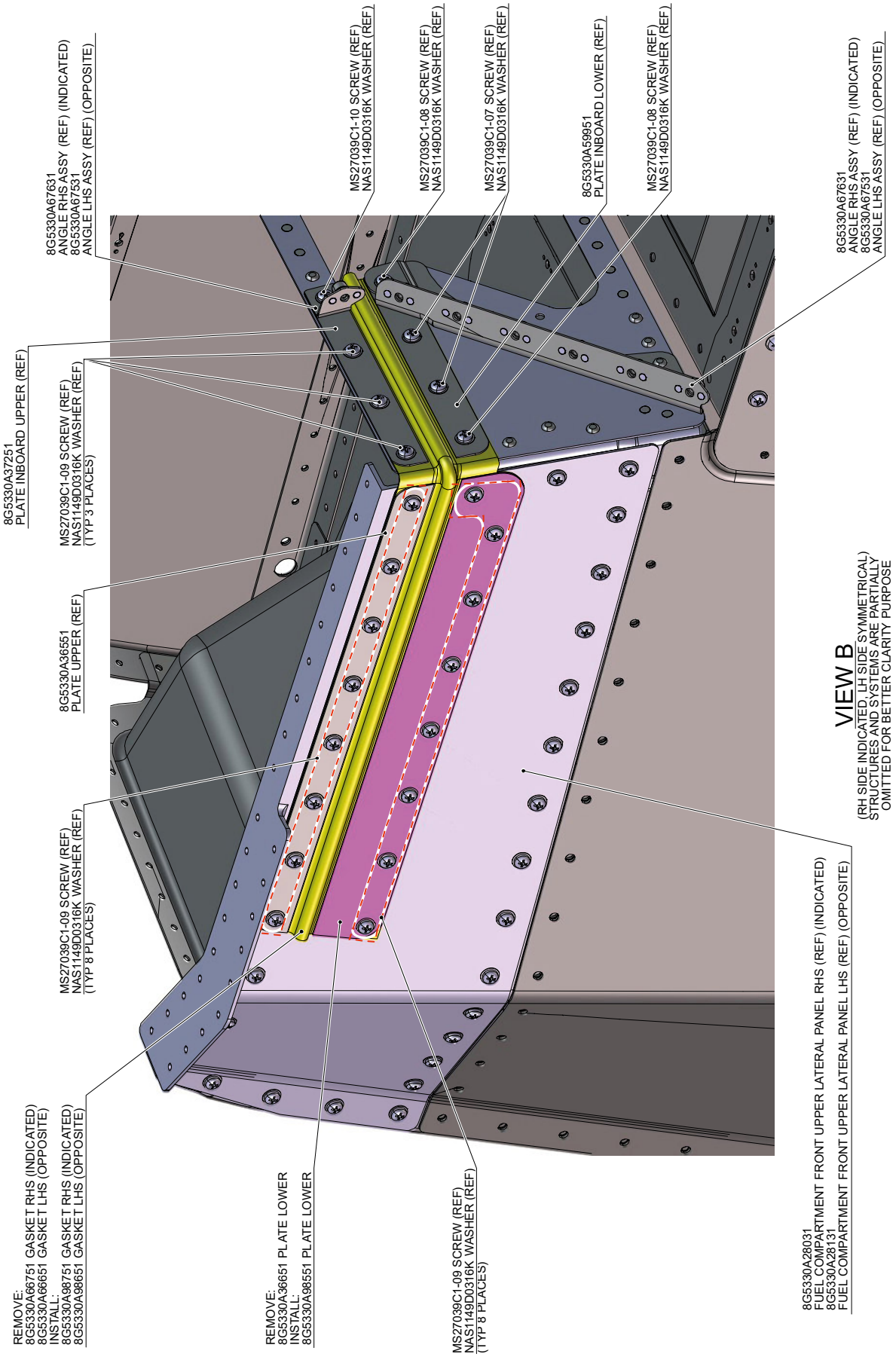

8G5330A67631
ANGLE RHS ASSY (REF) (INDICATED)
8G5330A67531
ANGLE LHS ASSY (REF) (OPPOSITE)
MS27039C1-10 SCREW (REF)
NAS1149D0316K WASHER (REF)
MS27039C1-08 SCREW (REF)
NAS1149D0316K WASHER (REF)
MS27039C1-07 SCREW (REF)
NAS1149D0316K WASHER (REF)
8G5330A59951
PLATE INBOARD LOWER (REF)
MS27039C1-08 SCREW (REF)
NAS1149D0316K WASHER (REF)
8G5330A67631
ANGLE RHS ASSY (REF) (INDICATED)
8G5330A67531
ANGLE LHS ASSY (REF) (OPPOSITE)
8G5330A37251
PLATE INBOARD UPPER (REF)
MS27039C1-09 SCREW (REF)
NAS1149D0316K WASHER (REF)
(TYP 3 PLACES)
8G5330A36551
PLATE UPPER (REF)
MS27039C1-09 SCREW (REF)
NAS1149D0316K WASHER (REF)
(TYP 8 PLACES)
VIEW B
(RH SIDE INDICATED, LH SIDE SYMMETRICAL)
STRUCTURES AND SYSTEMS ARE PARTIALLY
OMITTED FOR BETTER CLARITY PURPOSE
REMOVE:
8G5330A66751 GASKET RHS (INDICATED)
8G5330A66651 GASKET LHS (OPPOSITE)
INSTALL:
8G5330A98751 GASKET RHS (INDICATED)
8G5330A98651 GASKET LHS (OPPOSITE)
REMOVE:
8G5330A36651 PLATE LOWER
INSTALL:
8G5330A98551 PLATE LOWER
MS27039C1-09 SCREW (REF)
NAS1149D0316K WASHER (REF)
(TYP 8 PLACES)
8G5330A28031
FUEL COMPARTMENT FRONT UPPER LATERAL PANEL RHS (REF) (INDICATED)
8G5330A28131
FUEL COMPARTMENT FRONT UPPER LATERAL PANEL LHS (REF) (OPPOSITE)

Figure 23

LEONARDO
HELICOPTERS

AgustaWestland Products

Please send to the following address: **LEONARDO S.p.A.** **CUSTOMER SUPPORT & SERVICES - ITALY** **PRODUCT SUPPORT ENGINEERING & LICENSES DEPT.** Via Giovanni Agusta, 520 21017 Cascina Costa di Samarate (VA) - ITALY Tel.: +39 0331 225036 Fax: +39 0331 225988	**SERVICE BULLETIN COMPLIANCE FORM**	Date:
	Number:	
	Revision:	

Customer Name and Address:	Telephone:
	Fax:
	B.T. Compliance Date:

Helicopter Model	S/N	Total Number	Total Hours	T.S.O.

Remarks:

Information:

We request your cooperation in filling this form, in order to keep out statistical data relevant to aircraft configuration up-to-date. The form should be filled in all its parts and sent to the above address or you can communicate the application also via Technical Bulletin Application Communication Section placed in Leonardo AW Customer Portal - MyCommunications Area. We thank you beforehand for the information given.