

FZM-12-4144B

Volume II

28 December 1970

STRUCTURAL DESCRIPTION REPORT

F-111A

FB-111A

F-111E

GENERAL DYNAMICS

Convair Aerospace Division

P. O. Box 748, Fort Worth, Texas 76101

FZM-12-4144B
VOLUME II
DECEMBER 28, 1970

STRUCTURAL DESCRIPTION REPORT

MODEL - - - F-111A (A1 31-159)

MODEL - - - FB-111A (B1 3 & On)

MODEL - - - F-111E (A1 160 & On)

CONTRACT NO. AF33(657)-13403

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Design Group Engineer

APPROVED BY: E. R. Collinsworth
Manager, Structural Design

Revision B: Revised original report by changing structural description data to represent F-111A (A1 31-159), FB-111A (B1 3 & on) and F-111E (A1 160 & on)

TABLE OF CONTENTS

INTRODUCTION

REFERENCES

VOLUME I

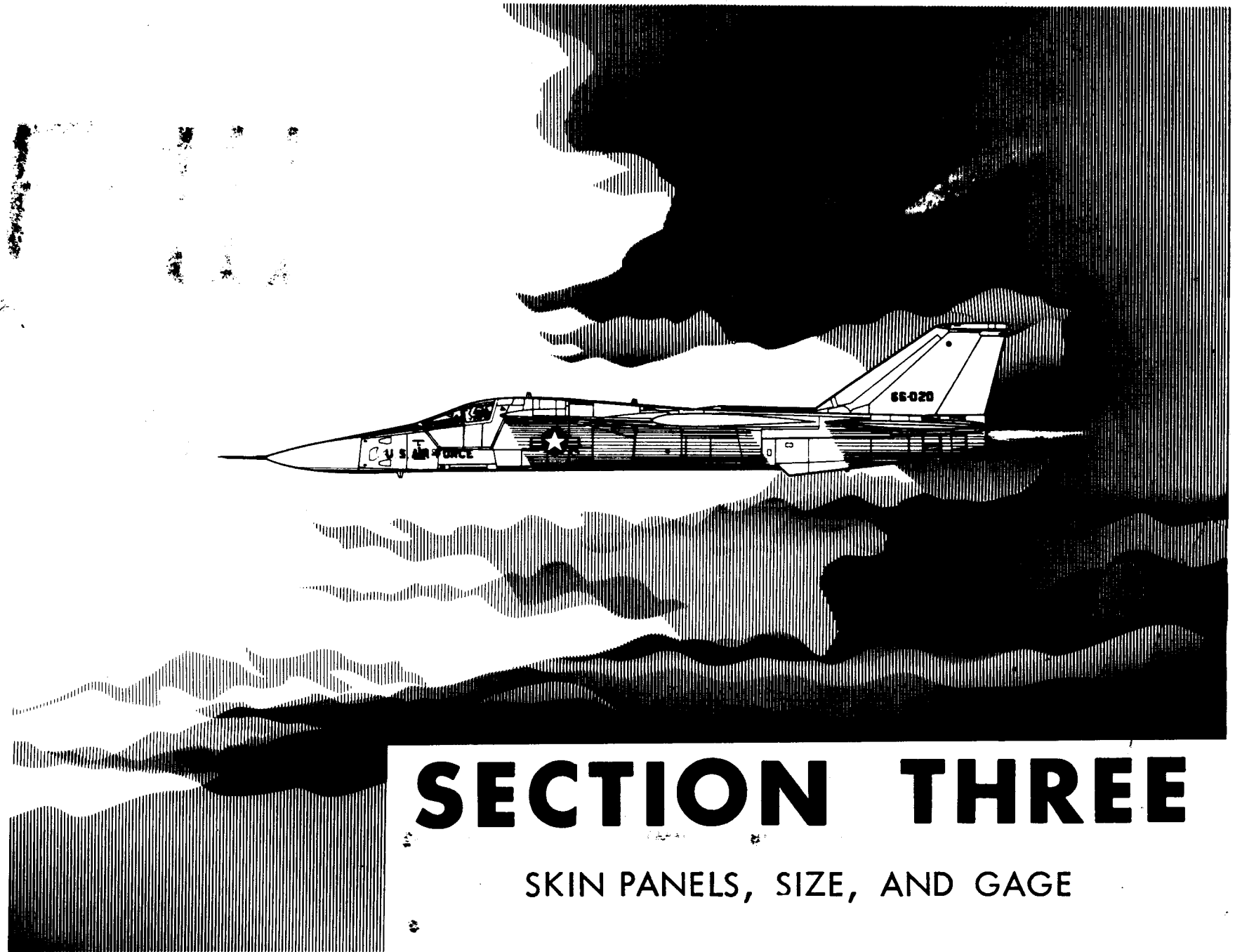
SECTION I - GENERAL ARRANGEMENT

SECTION II - STRUCTURE AND MATERIALS DETAIL DESCRIPTION

VOLUME II

SECTION III - SKIN PANELS, SIZE, AND GAGE DESCRIPTION

SECTION IV - PRODUCTION ASSEMBLY DESCRIPTION



SECTION III

SKIN PANELS, SIZE, AND GAGE

The location, size, and gage of skin panels on the F-111A, A1: 31 through 159, F-111E, A1: 160 and on, and FB-111 airplane, 3 and on, are presented in this section. Breakdowns of the major components show the skin panel numbers and their relative locations. The gage of the panels have many variations. Some are tapered with milled and etched out areas, with ribs, stiffeners, and waffle-type detail. Some panels are tapered with bonded honeycomb core construction.

In some areas the skin panels are plotted by their part number on a plotting diagram and with their gages presented on a supplemental data sheet identified to each respective skin panel by part number. In areas with constant skin thickness the gage may be recorded directly on the skin panel. In other areas having panels with varying skin thickness the gage may be shown adjacent to the panel with a reference line to the equivalent area of the applicable panel. The gage (thickness) is shown by inches. The size of the panels is presented by scale, by surface area, or dimensions as shown on the respective illustrations or data descriptions.

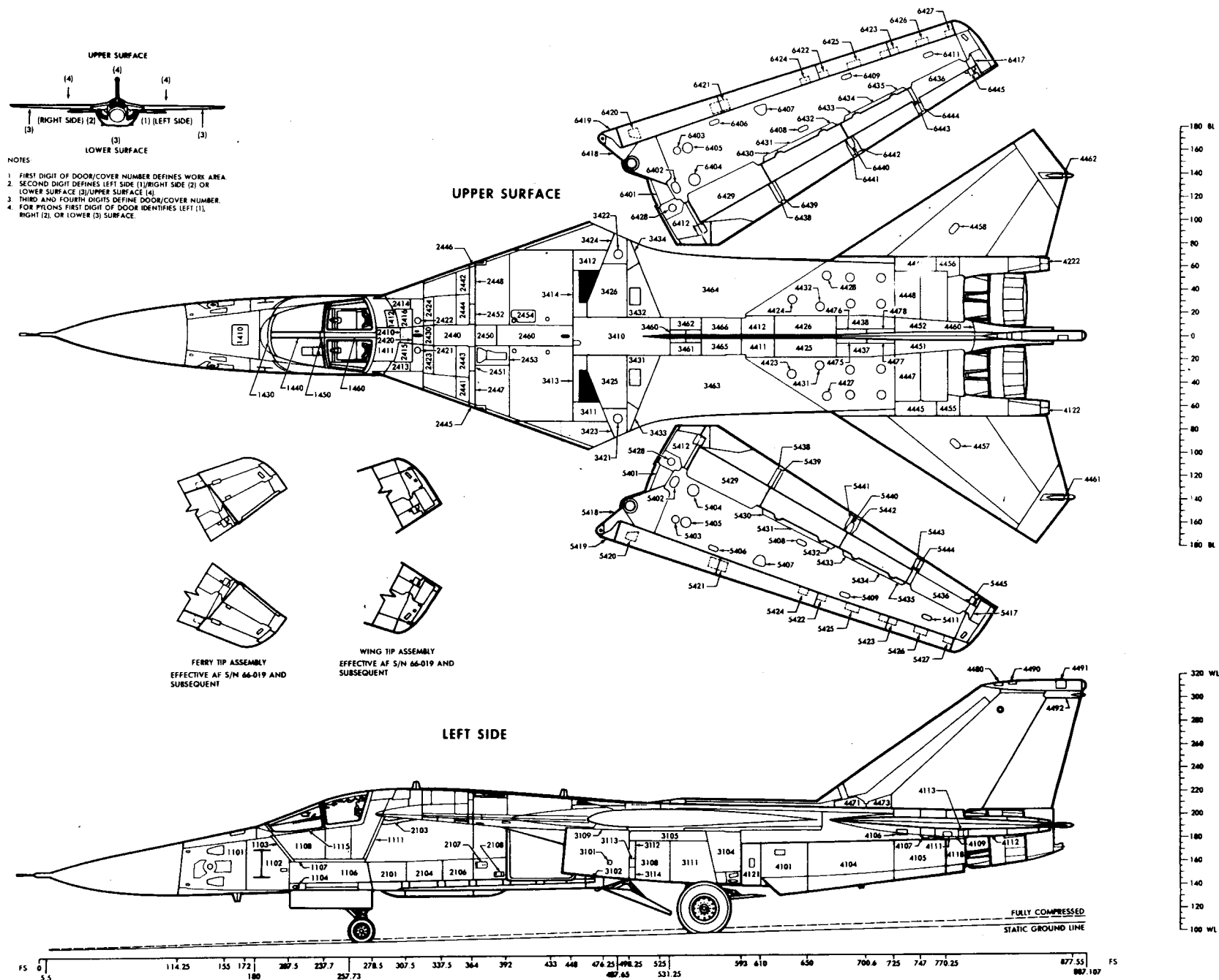


Figure 3-1 F-111A ACCESS DOOR/COVER IDENTIFICATION AND LOCATION

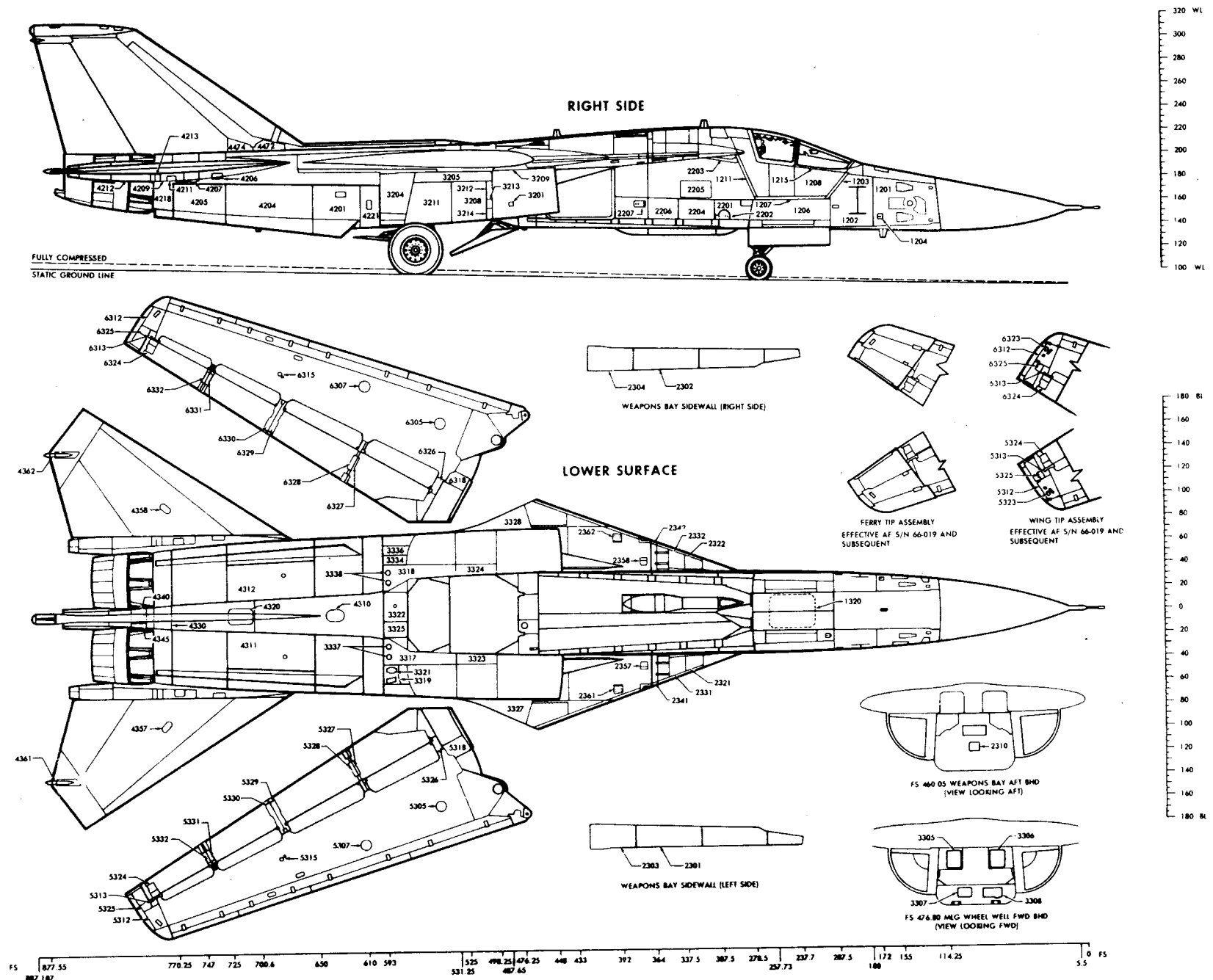


Figure 3-2 F-111A ACCESS DOOR/COVER IDENTIFICATION AND LOCATION

Volume II, Section Three

UPPER SURFACE

LEFT SIDE

FERRY TIP ASSEMBLY

NOTES

1. FIRST DIGIT OF DOOR COVER NUMBER DEFINES WORK AREA
2. SECOND DIGIT DEFINES LEFT SIDE 1, RIGHT SIDE 2, OR LOWER SURFACE 3, UPPER SURFACE 4
3. THIRD AND FOURTH DIGITS DEFINE DOOR COVER NUMBER
4. FOR PYLONS FIRST DIGIT OF DOOR IDENTIFIES LEFT 1, RIGHT 2, OR LOWER 3 SURFACE

EFFECTIVE ON AF S N 68-031 AND SUBSEQUENT AND ON AF S N 67-058 THRU 68-030 AFTER AC COMPLETION OF ECP 1958

SEE DETAIL A

FULLY COMPRESSED STATIC GROUND LINE

Dimensions:

- BL 180
- WL 320
- FS 0
- 114.25
- 155
- 172
- 180
- 207.5
- 237.7
- 278.5
- 307.5
- 337.5
- 364
- 392
- 433
- 448
- 476.25
- 498.25
- 525
- 531.25
- 593
- 610
- 650
- 700.6
- 725
- 747
- 770.25
- 877.53
- 887.107
- FS

3-5

ST-1025-110

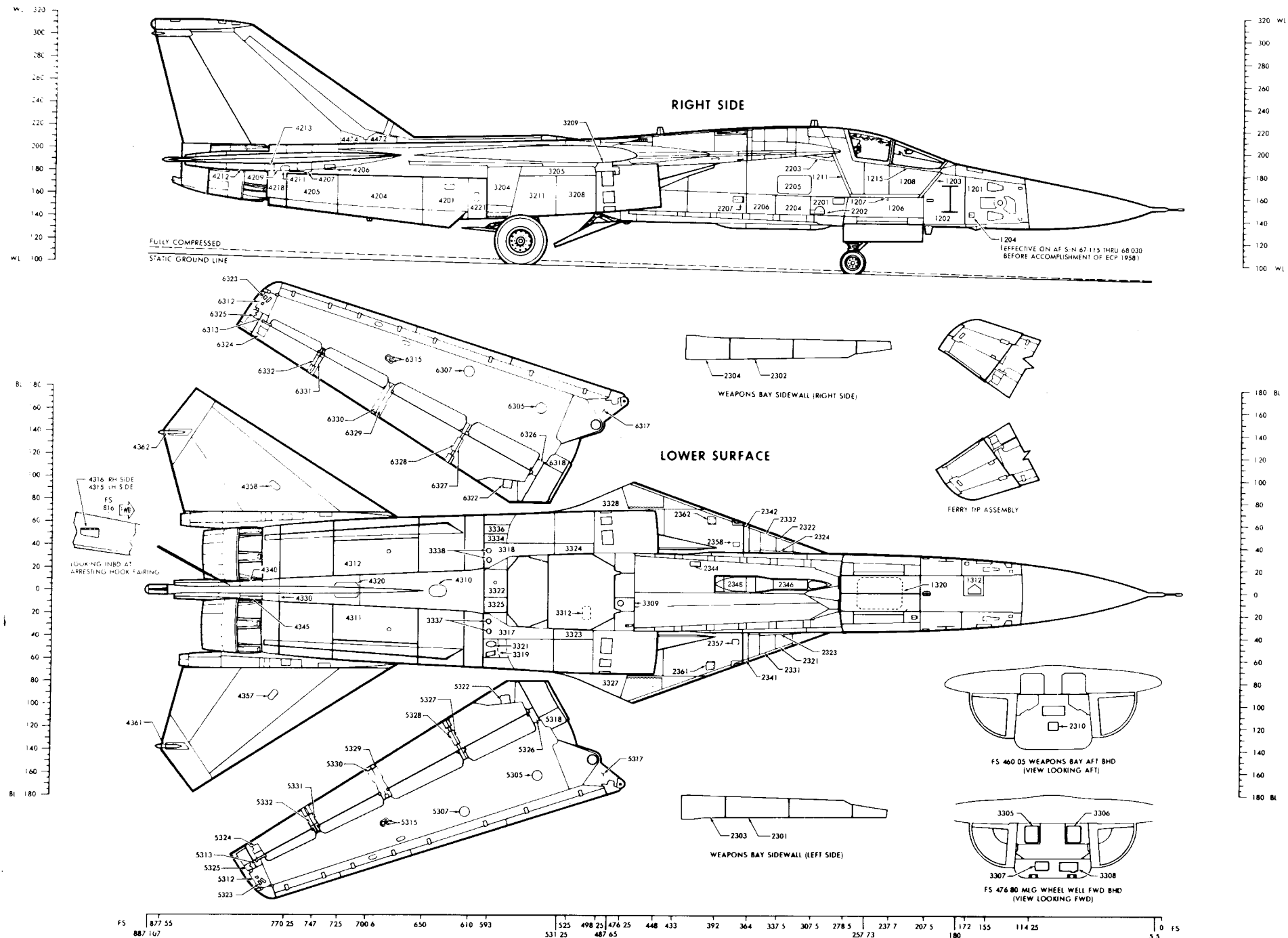


Figure 3-2B F-111E ACCESS DOOR/COVER IDENTIFICATION AND LOCATION

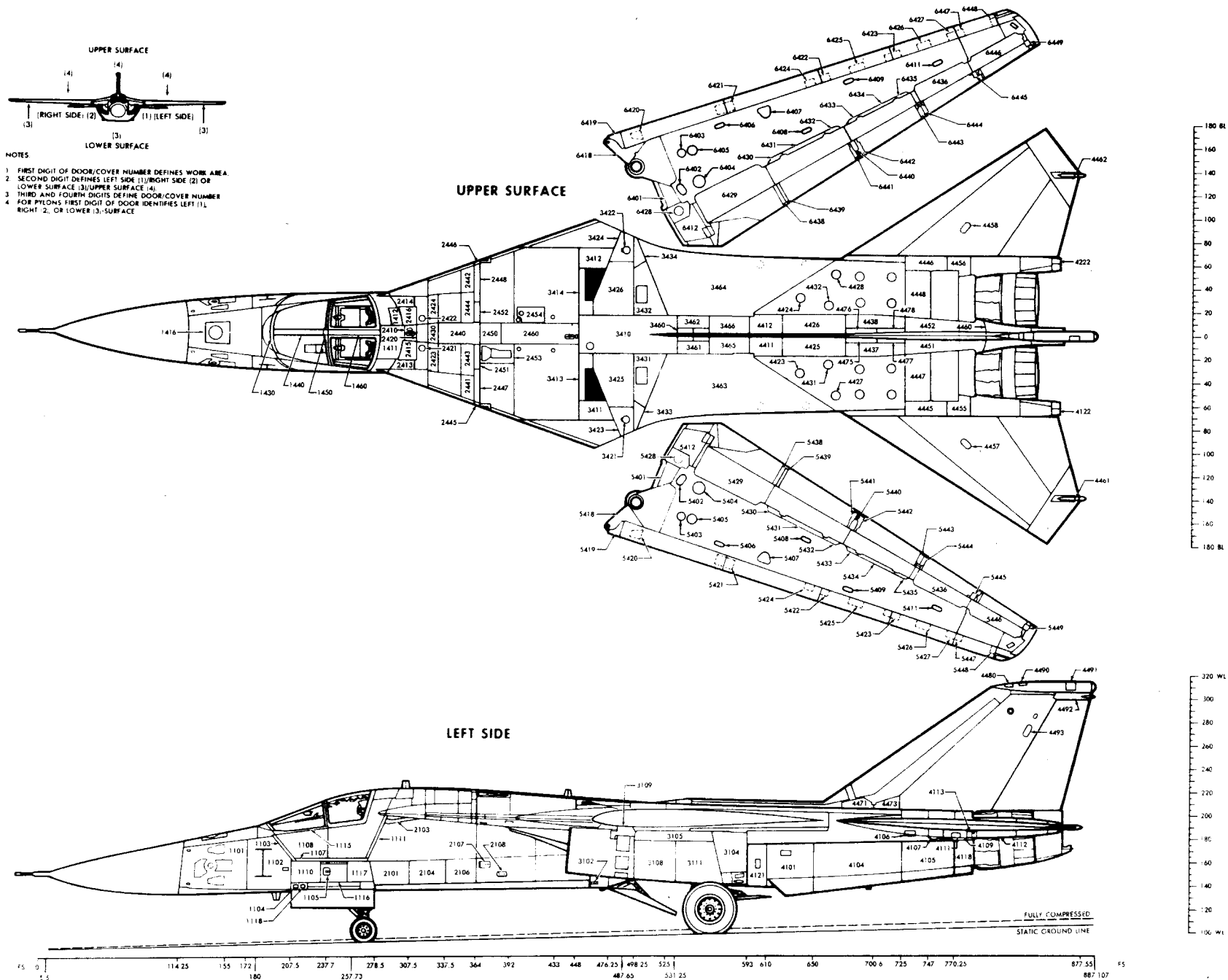


Figure 3-3 FB-111 ACCESS DOOR/COVER IDENTIFICATION AND LOCATION

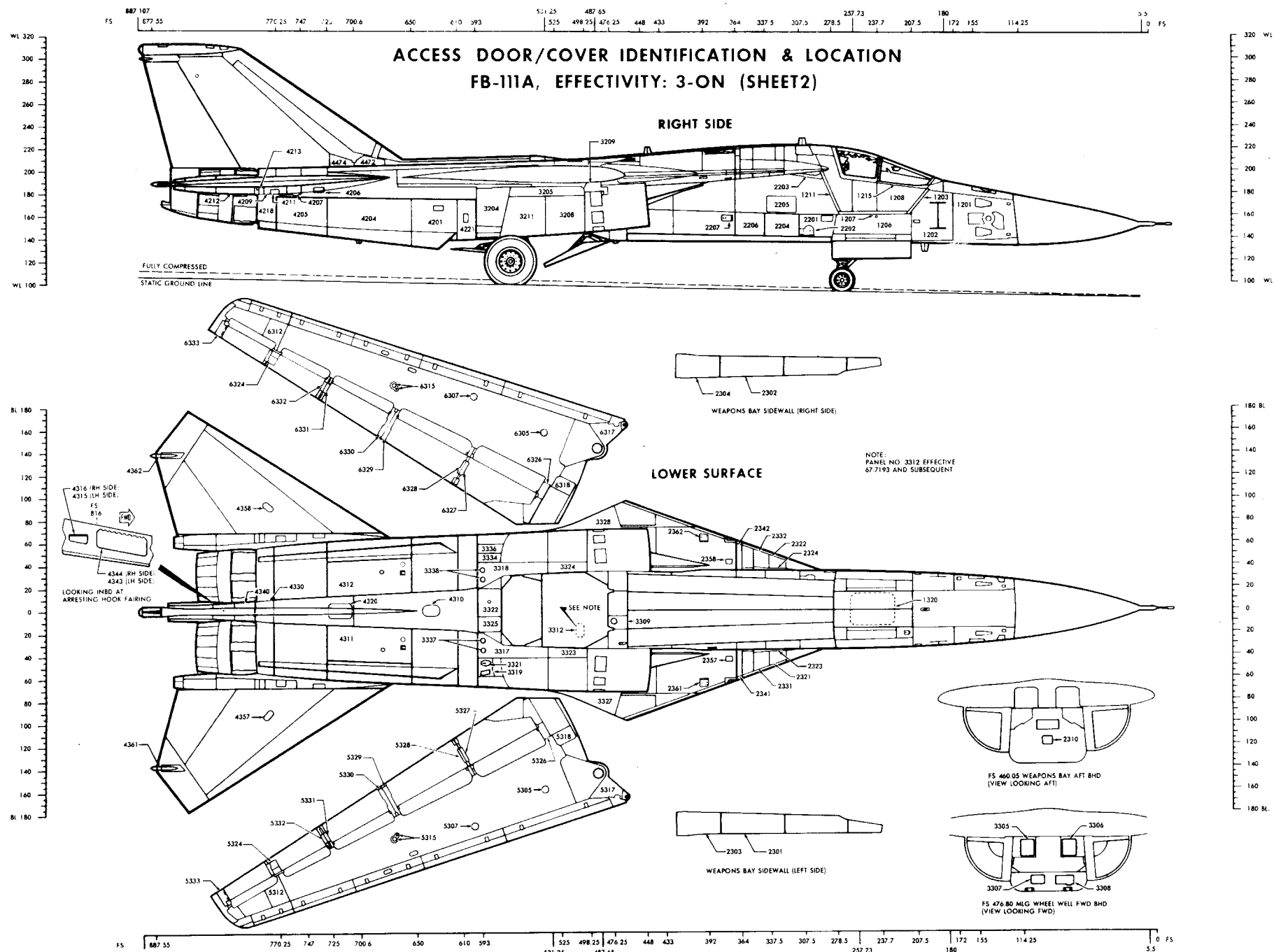
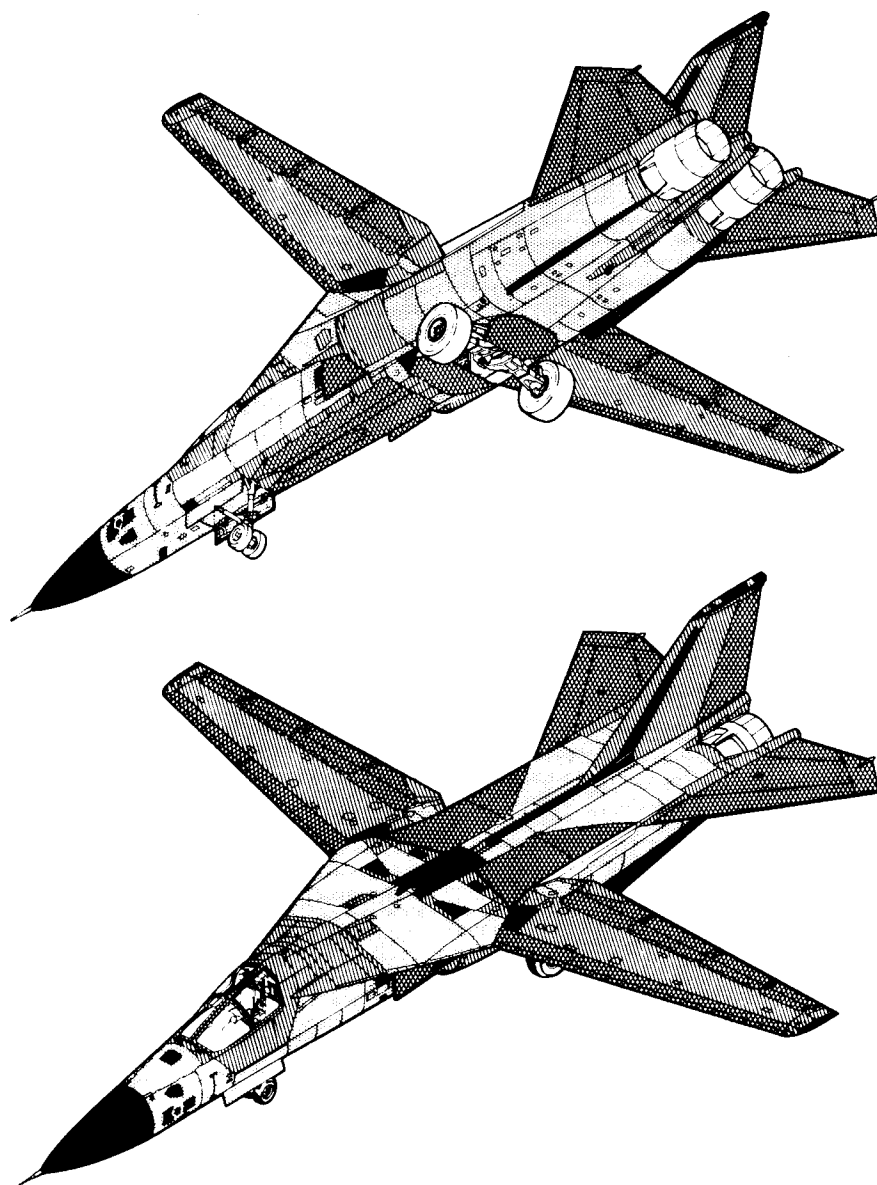
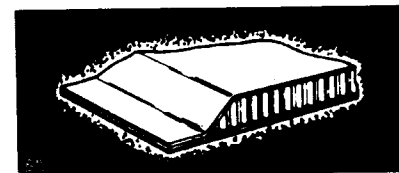


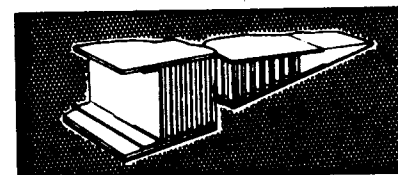
Figure 3-4 FB-111 ACCESS DOOR/COVER IDENTIFICATION AND LOCATION



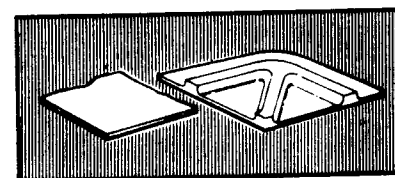
FIBERGLAS



ALUMINUM
FULL DEPTH
HONEYCOMB CORE



ALUMINUM
PLAIN AND SCULPTURED
SKIN



ALUMINUM
BONDED SANDWICH

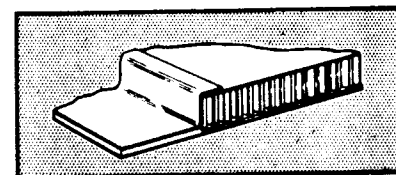
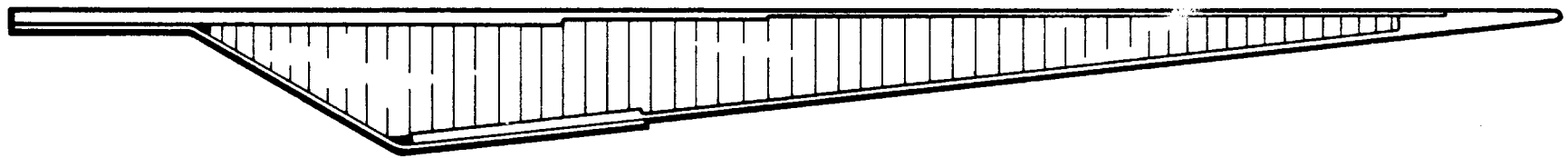


Figure 3-5

PANEL STRUCTURAL APPLICATION



TYPICAL FULL DEPTH CORE BONDED PANEL



TYPICAL CONSTANT CORE BONDED PANEL

Figure 3-6 TYPICAL CROSS SECTIONS - BONDED PANELS

1.	12B11310	Upper Panel (TAC)
1.	12B40310	Upper Panel (Bomber)
2.	12B5040	Door (TAC)
2.	12B40540	Door (Bomber Only)
3.	12B11320	Skin - Upper
4.	12B11531	Skin - Lwr., (TAC 31, 32, 34-36)
4.	12B11532	Skin - Lwr., (TAC 33, 37-159)
4.	12B40531	Skin - Lwr., (Bomber 3-On)
		(TAC 160-On)
5.	12B11514	Door - Fwd. L/R
6.	12B11521	Door - Aft L/R
7.	12B5051	Cover - L/R (TAC 31-49)
7.	12B5053	Cover - L/R (TAC 50-199)
		(Bomber 3-On - RH Only)
		(TAC 200-On, RH Only)
8.	12B5052	Door - LH (TAC 31-199)
9.	12B5054	Cover - LH (Bomber 3-On)
		(TAC 200-On)
10.	12B5055	Cover - LH (Bomber 3-On)
		(TAC 200-On)
11.	12B5057	Access Door - LH (Bomber 3-On)
		(TAC 200-On)
12.	12B5056	Cover - LH (Bomber 3-On)
		(TAC 200-On)

13.	12B3043	Skin - LH
14.	12B3046	Skin - RH (Bomber 3-6)
		(TAC 31-159)
14.	12B3056	Skin - RH (Bomber 7-On)
		(TAC 160-On)
15.	12B3044	Skin - L/R
16.	12F4101	Cover - L/R (TAC)
16.	12F4083	Cover - L/R (Bomber)
17.	12B3045	Skin - L/R (Bomber 3-6)
		(TAC 31-159)
17.	12B3055	Skin - L/R (Bomber 7-On)
		(TAC 160-On)
18.	12L060	N.L.G. Doors

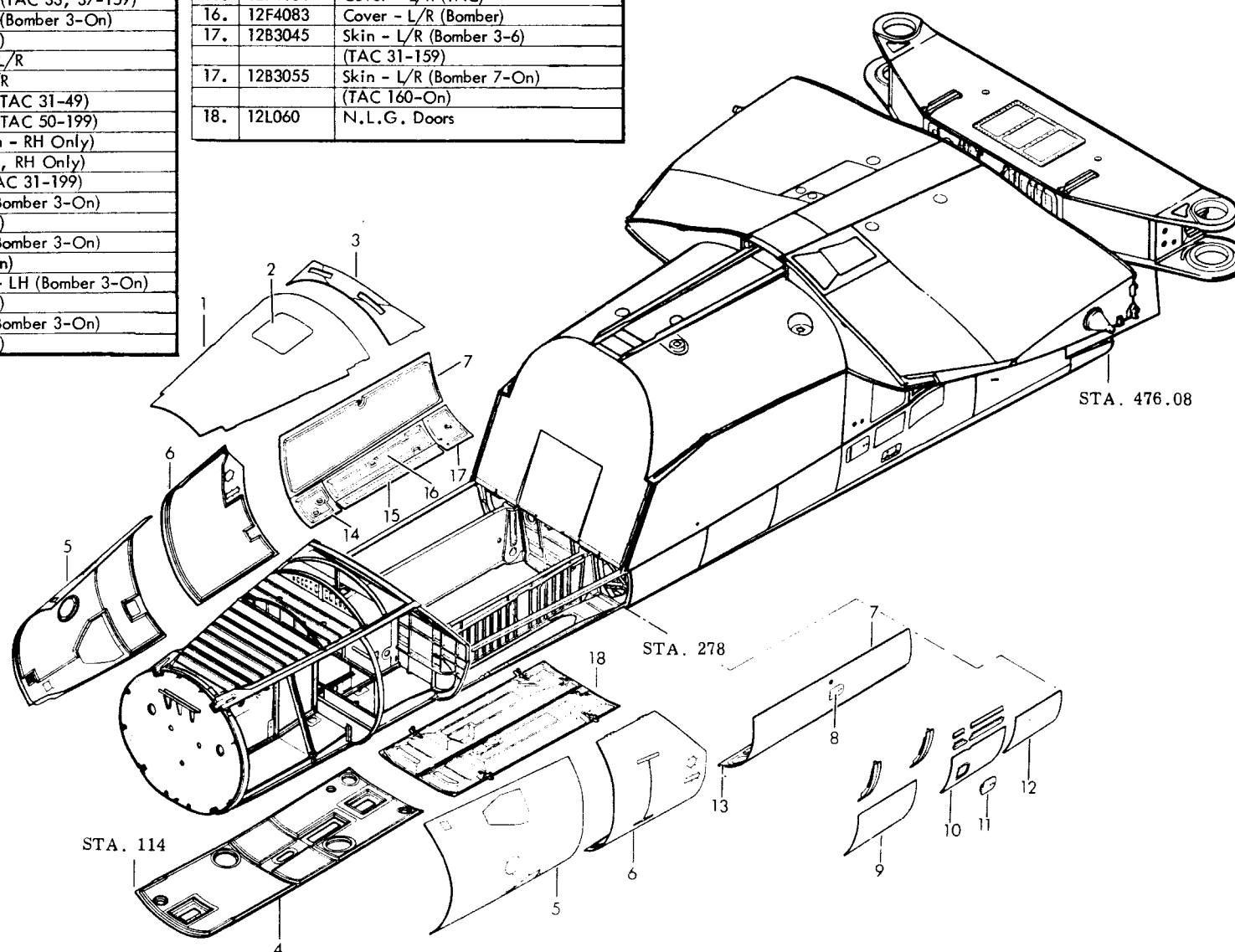


Figure 3-7

FORWARD FUSELAGE SKIN PANEL DETAIL - FS 114 - 278

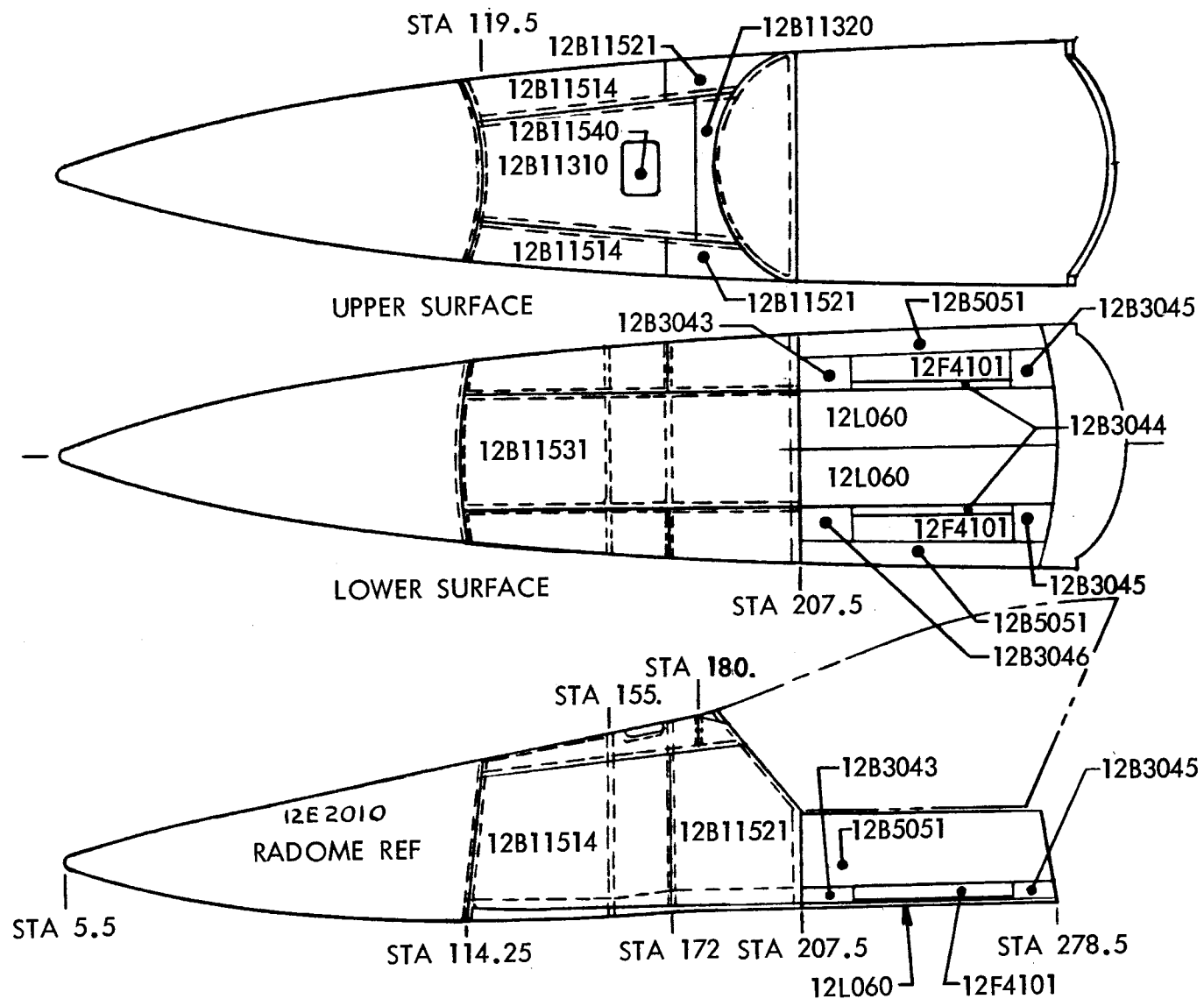


Figure 3-8 F-111A FORWARD ELECTRONICS BAY WITH RADOME

3-11A

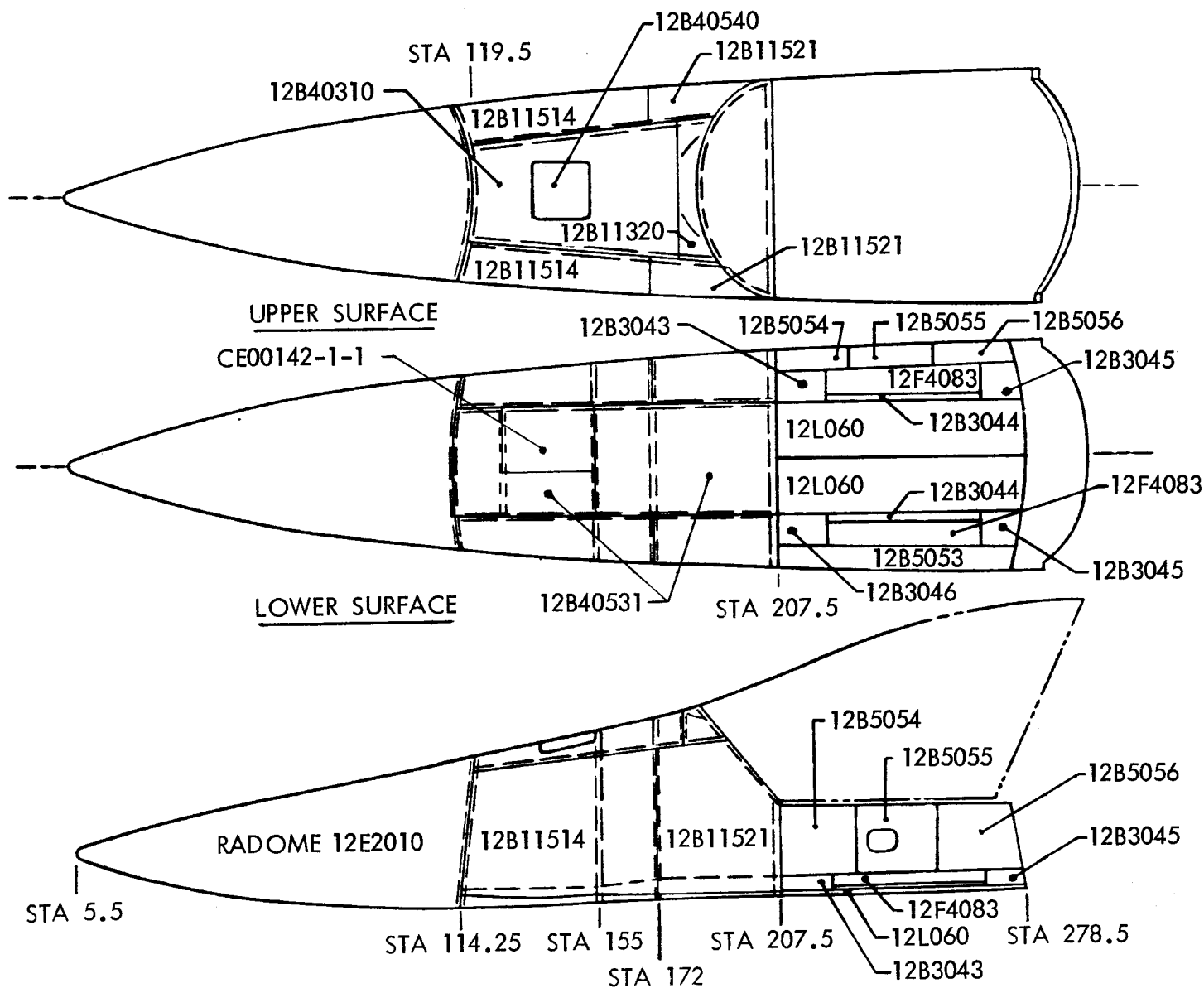
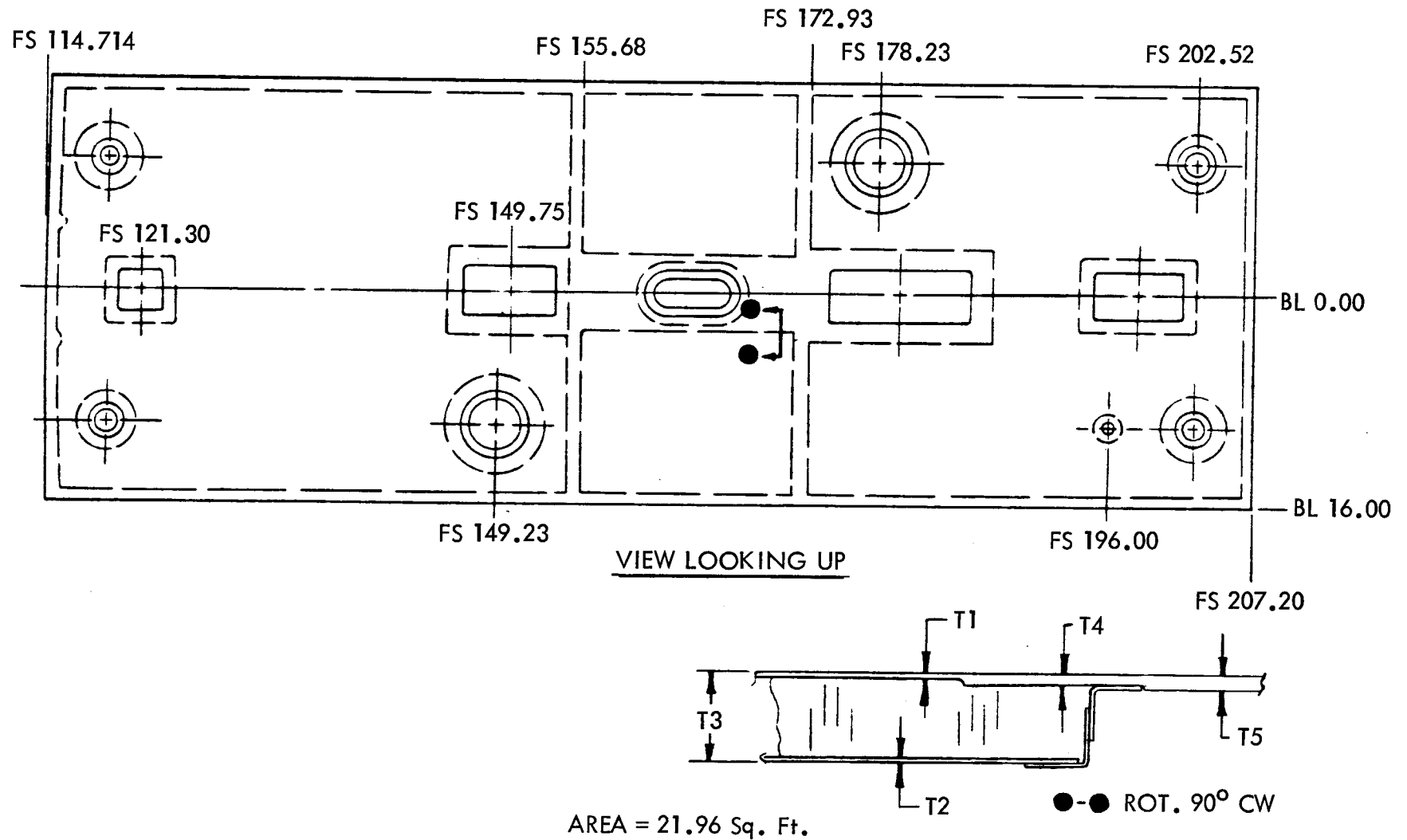
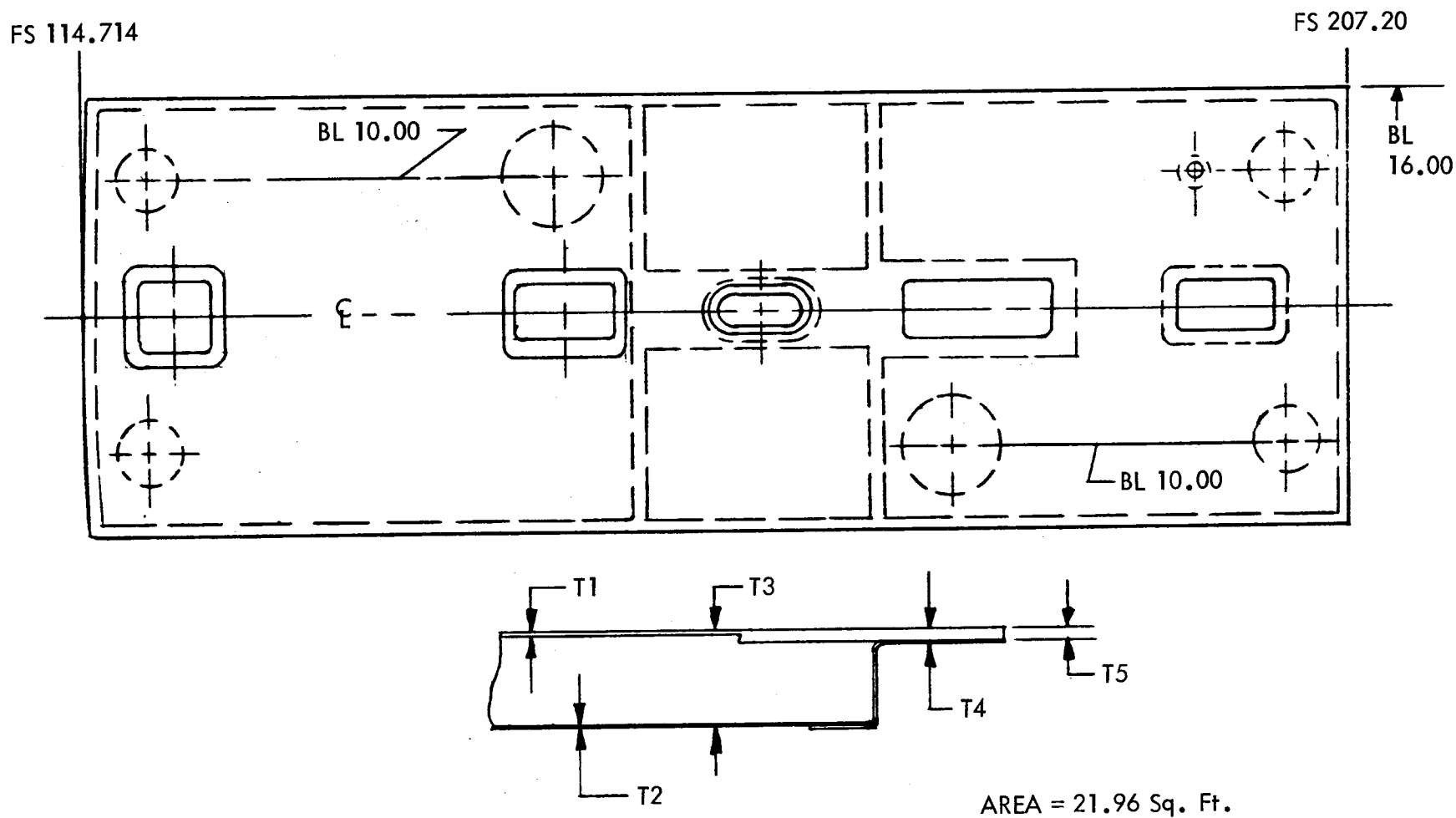


Figure 3-9 FB-111 FORWARD ELECTRONICS BAY WITH RADOME



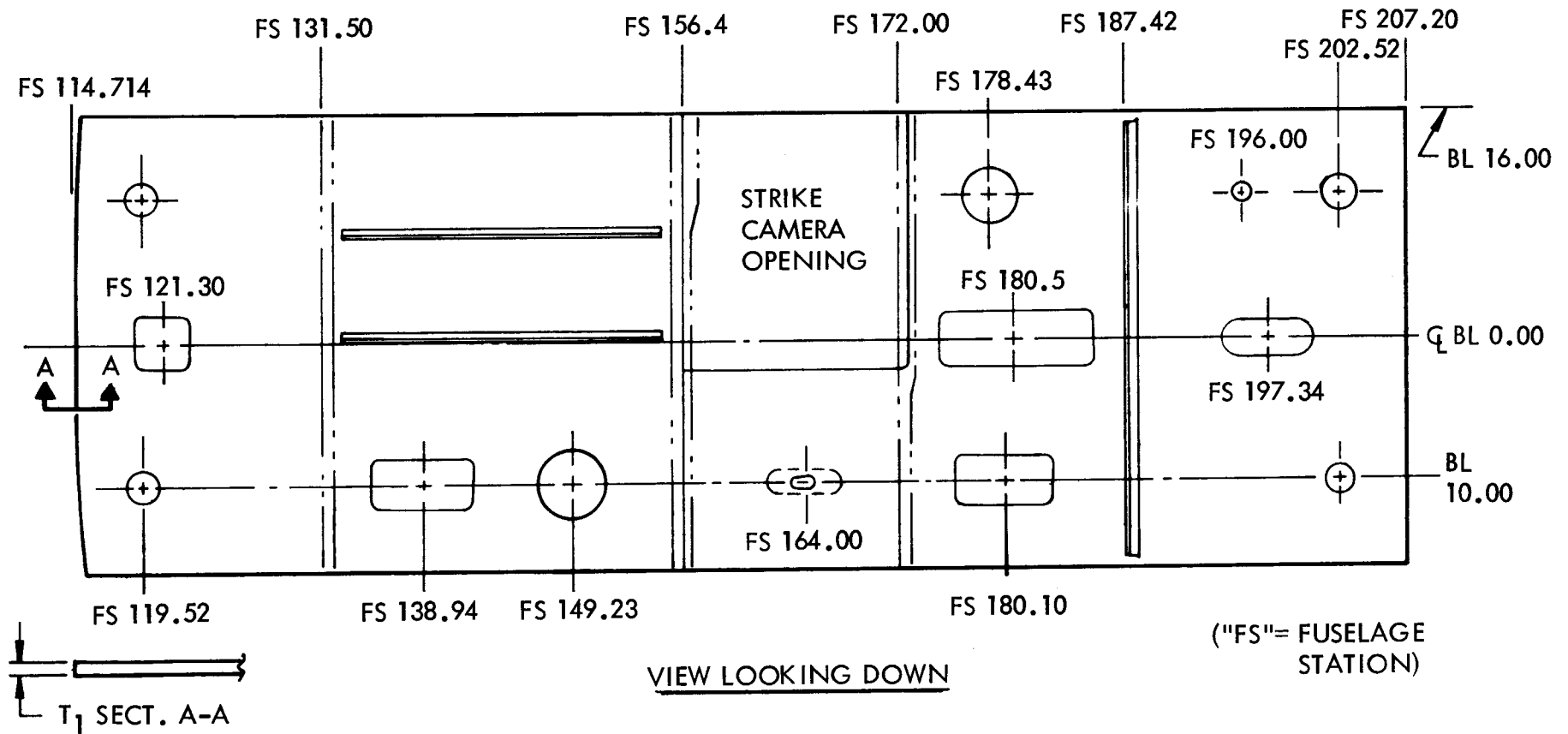
NAME	T1	T2	T3	T4	T5	MATERIAL	SPEC	FINISH
OUTER SKIN	.016			.062	.078	2024-T81	FMS 1053 TYPE I	A028
INNER SKIN		.012				2024-T81	QQ-A-362 T81	A028
BONDED ASSY			1.00					

Figure 3-10 F-111A 12B11531 SKIN - LOWER, RADOME BULKHEAD TO STATION 207.3, ASSEMBLY OF (TAC 31, 32, 34 thru 36)



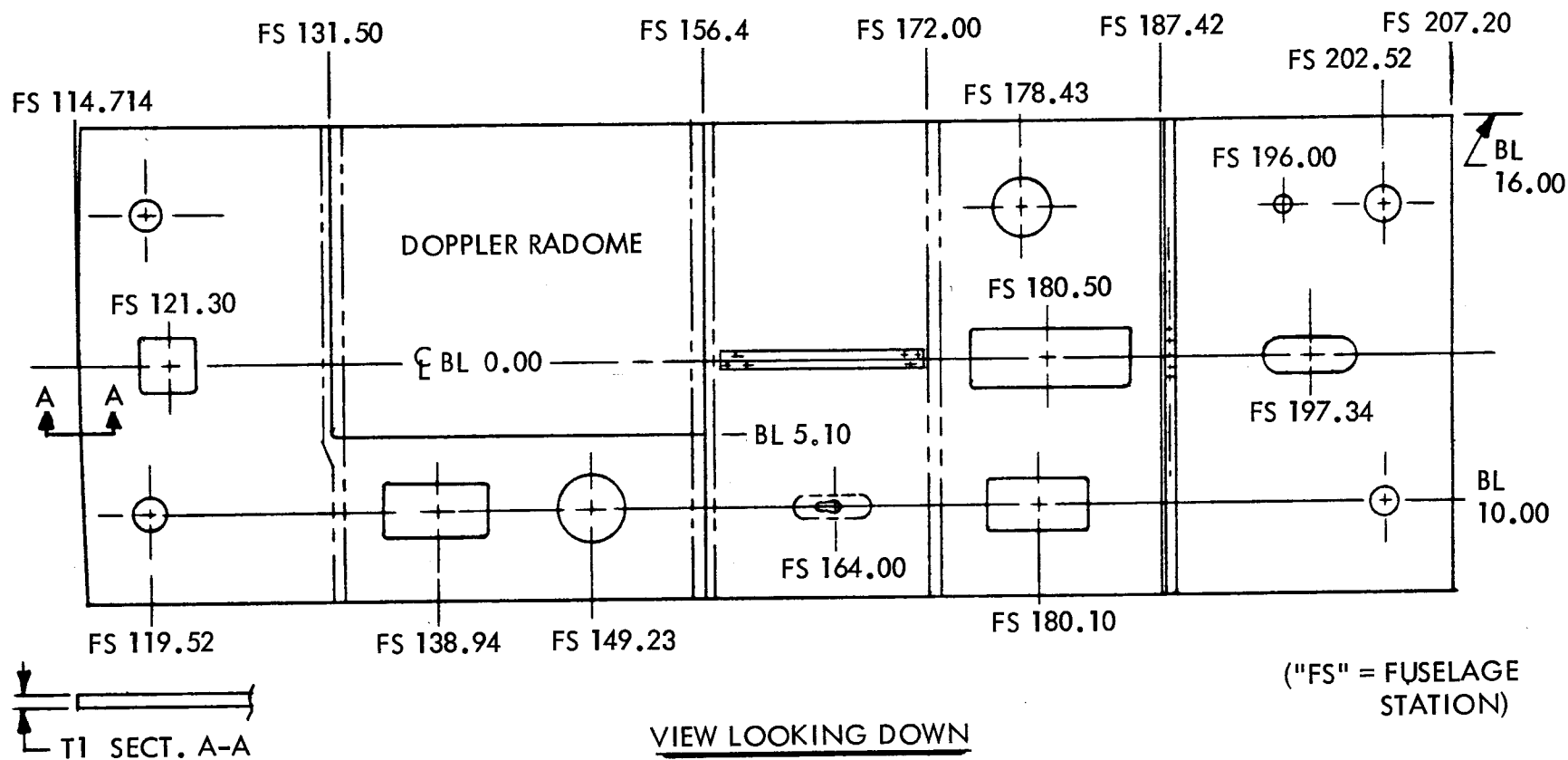
NAME	T1	T2	T3	T4	T5	MATERIAL	SPEC
OUTER SKIN	.016			.080	.078	2024-T81	FMS 1053 TYPE 2
INNER SKIN		.012				2024-T81	QQ-A-362-T81
BONDED ASSY			1.002				

Figure 3-11 F-111A 12B11532 SKIN - LOWER STA. 114.714 TO STA. 207.200,
ASSEMBLY OF (TAC 33 and 37 thru 159)



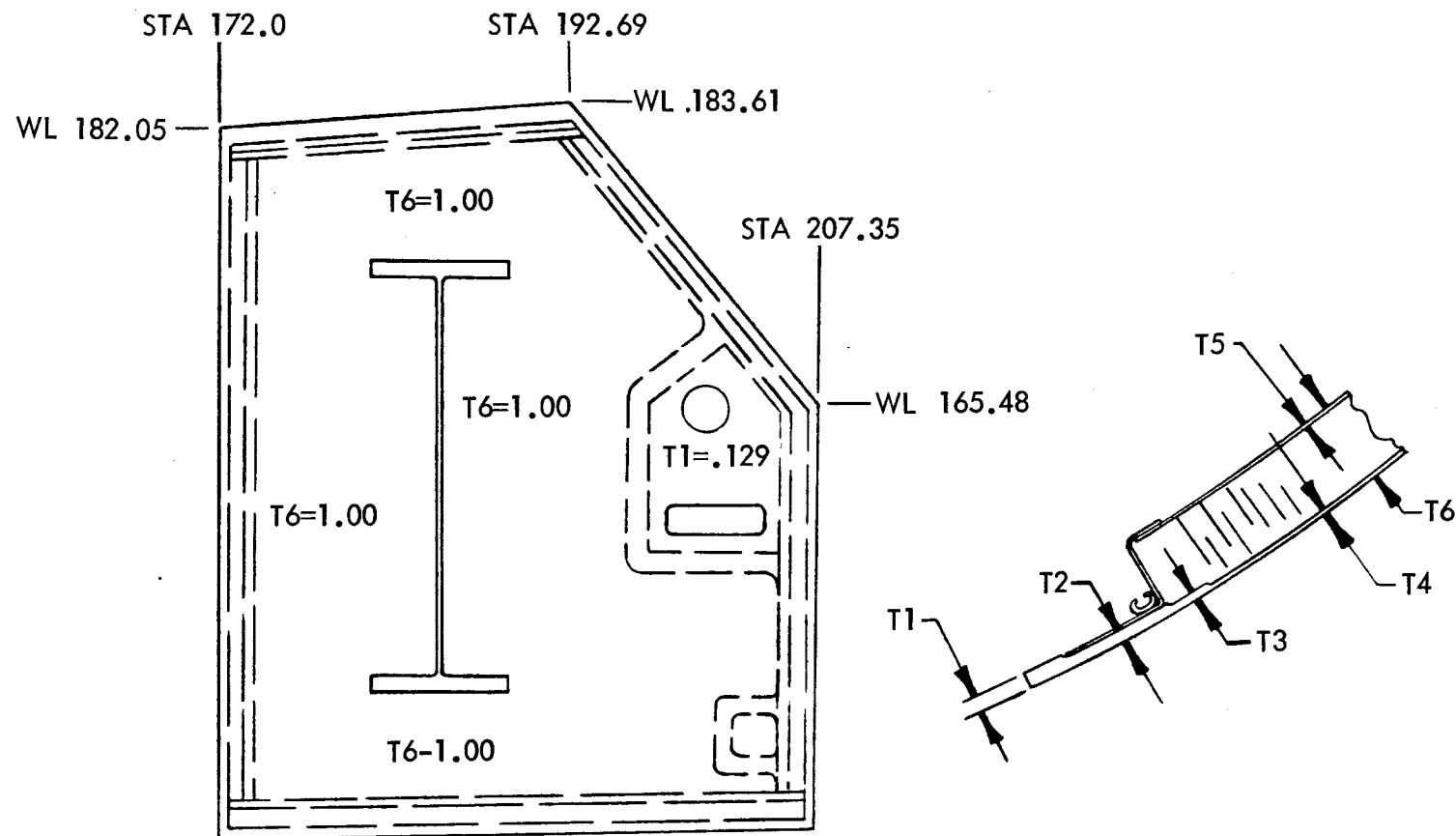
NAME	T ₁	MATERIAL	SPEC.	FINISH
SKIN	.080	2024-T81	QQ-A-250/5T81	A003
DOUBLERS	.080	2024-T62	QQ-A-250/4-T62	A005

Figure 3-11A F-111E 12B40531 SKIN - LOWER, STA. 114.714 TO STA. 207.2, ASSEMBLY OF



NAME	T1	MATERIAL	SPEC	FINISH
SKIN	.080	2024-T81	QQ-A-250/5T81	A003
DOUBLERS	.080	2024-T62	QQ-A-250/4T62	A005

Figure 3-12 FB-111 12B40531 SKIN - LOWER, STA. 114.714 TO STA. 207.2, ASSEMBLY OF



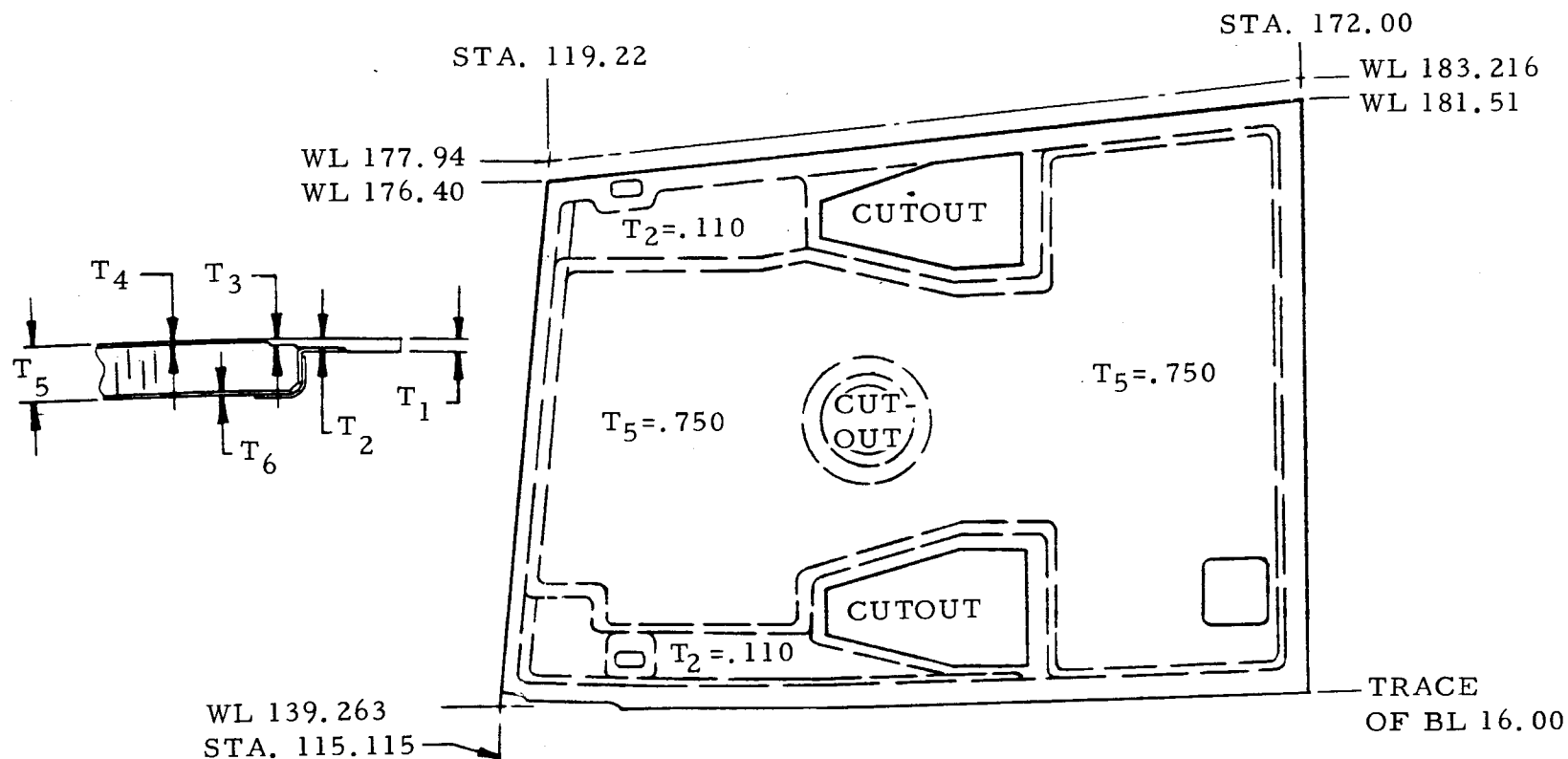
AREA = 11.63 SQ. FT.

NAME	T1	T2	T3	T4	T5	T6	MATERIAL
OUTER SKIN	.129	.110	.080	.016			2024-T81 ▲
INNER SKIN					.012		2024-T81 ◆
BONDED ASSY						1.00	

▲ FMS - 1053 TYPE 1

◆ QQ -A- 250/5 T81

Figure 3-13 12B11521 DOOR, ACCESS - ELECTRONICS BAY, AFT NOSE, ASSEMBLY OF



AREA=15.90 SQ. FT.

NAME	T ₁	T ₂	T ₃	T ₄	T ₅	T ₆	MATERIAL
OUTER SKIN	.129	.110	.090	.016			2024-T81 ▲
INNER SKIN						.012	2024-T81 ◆
BONDED ASSY					.750		

▲ FMS-1053 TYPE 1

◆ CLAD

QQ-A-250/5 T81

Figure 3-14 12B11514 DOOR, ACCESS, FORWARD EQUIPMENT BAY,
ASSEMBLY OF

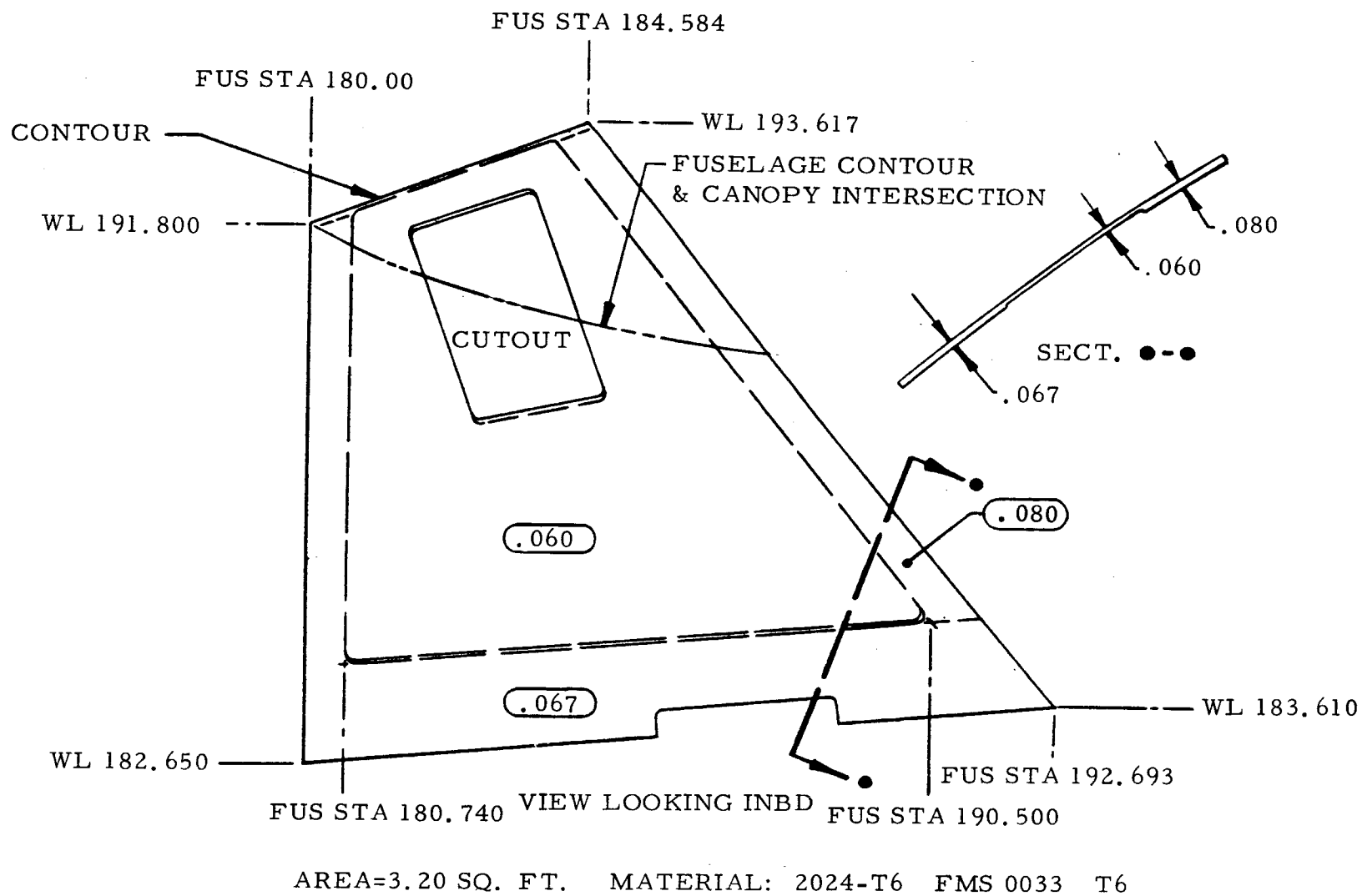
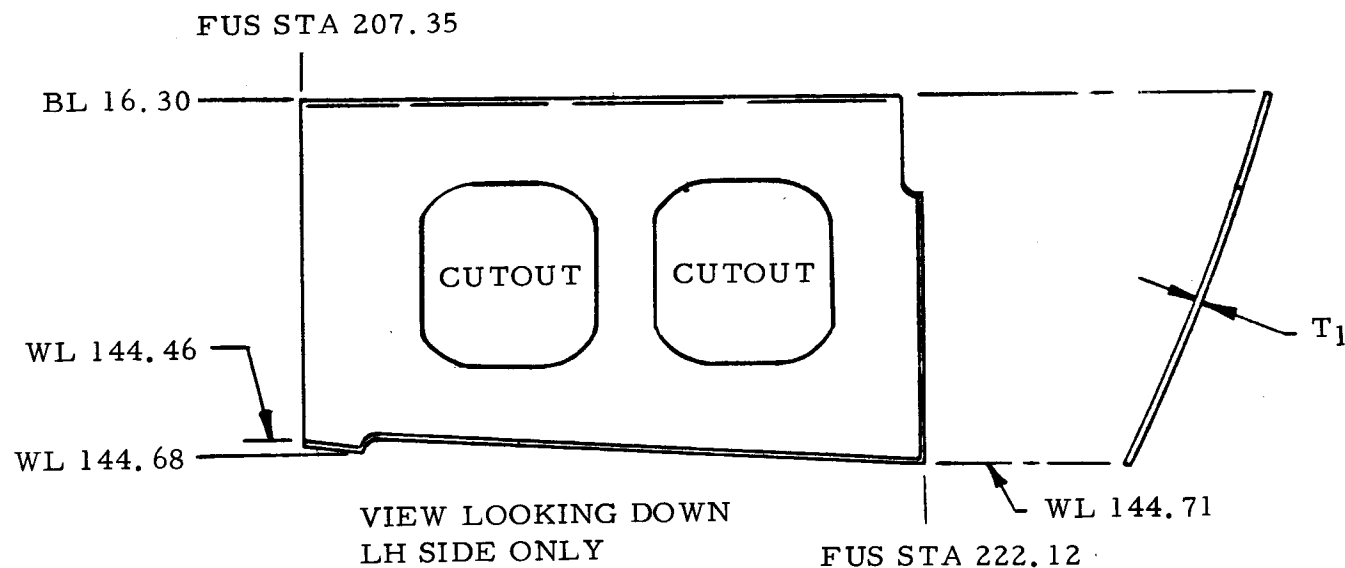


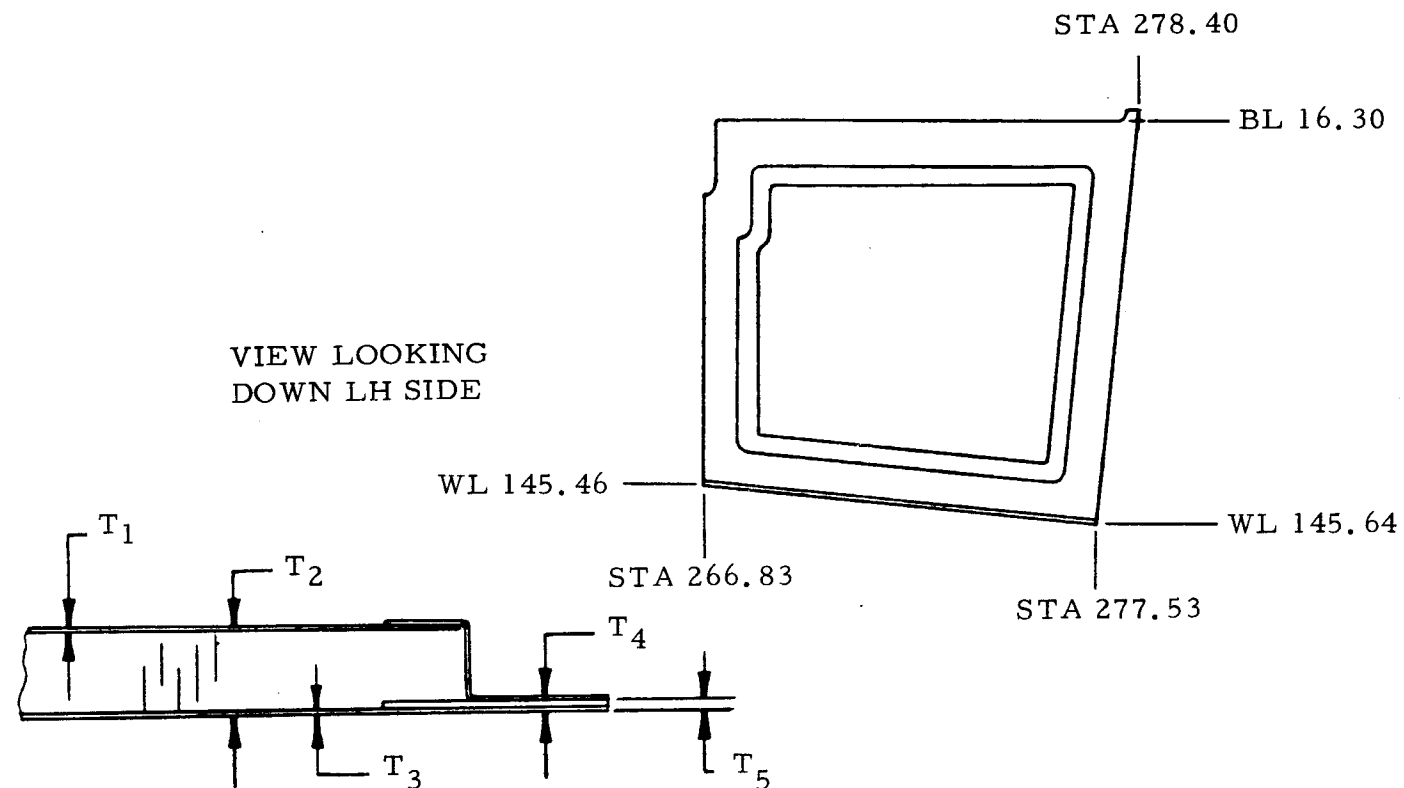
Figure 3-15 12B11320 SKIN - FUSELAGE STA. 180.00 TO WINDSHIELD, UPPER



AREA=1.04 SQ. FT.

NAME	T ₁	MATERIAL
SKIN	.070-7 PLY MIN	GLASS FABRIC FMS - 1023

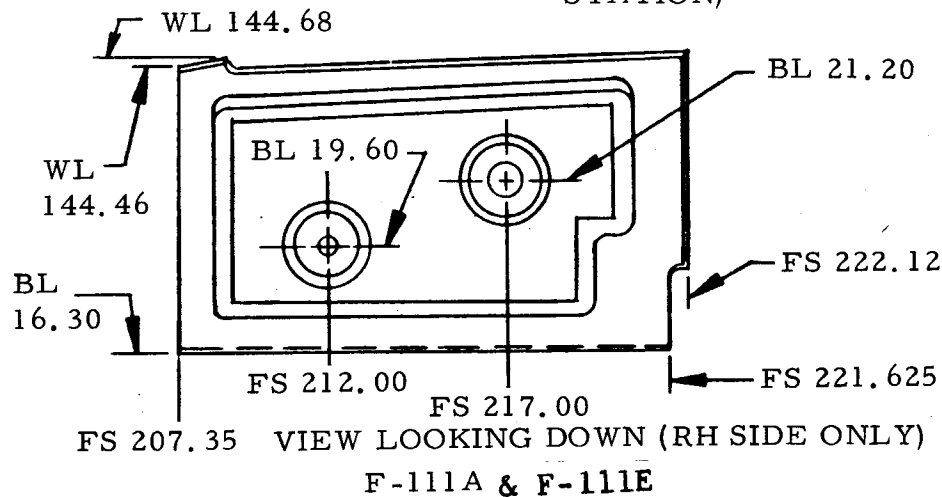
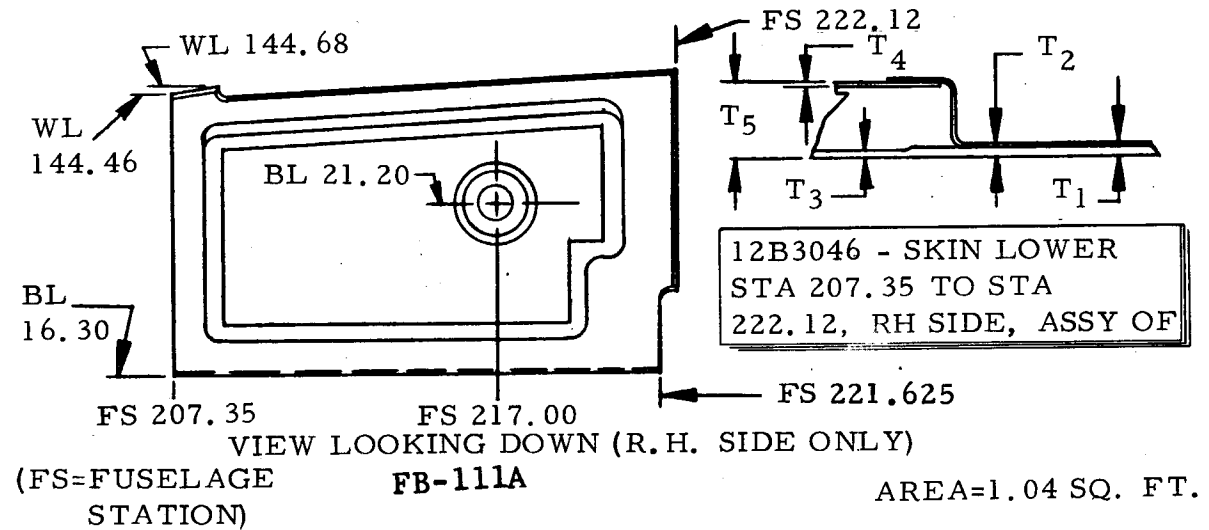
Figure 3-16 12B3043 SKIN - LOWER, STA. 207.35 TO STA. 222.12, LEFT HAND SIDE, ASSEMBLY OF



AREA=1.00 SQ. FT.

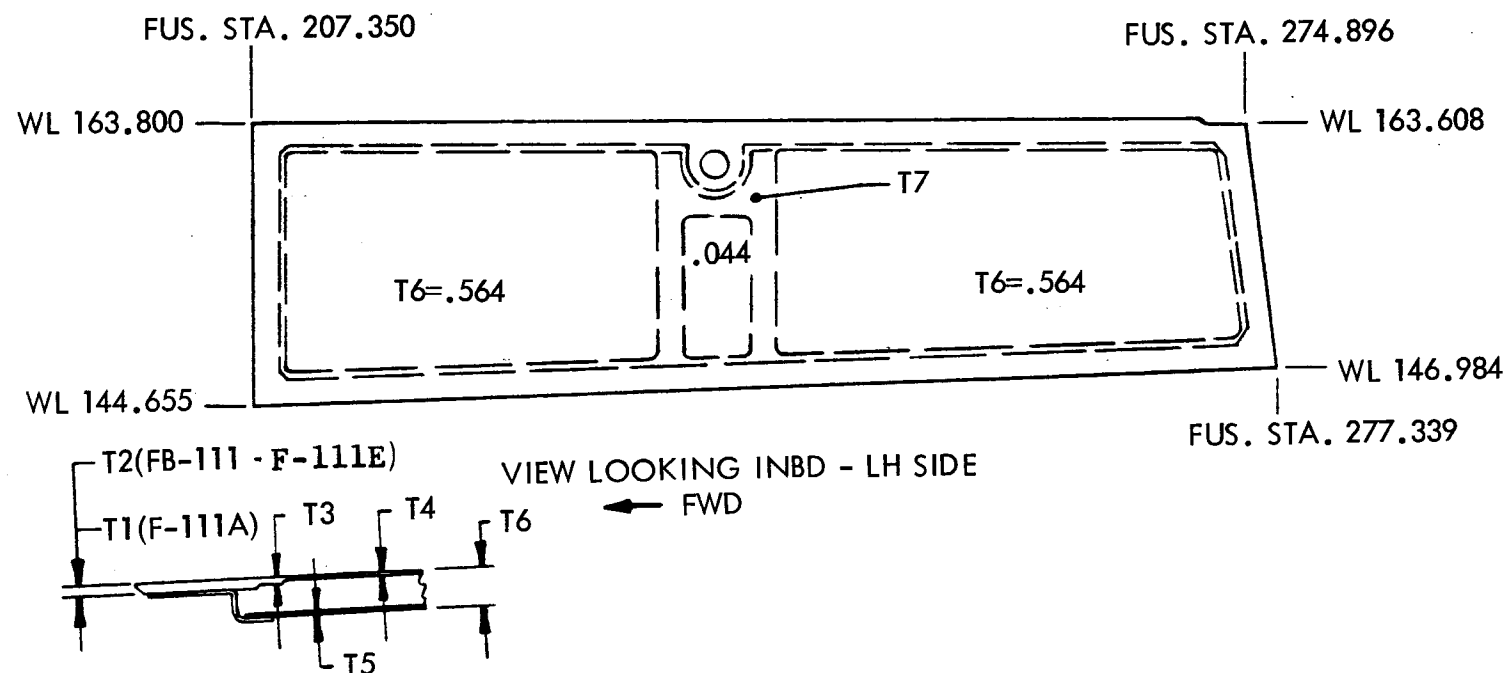
NAME	T ₁	T ₂	T ₃	T ₄	T ₅	MATERIAL
OUTER SKIN			.020-2 PLY MIN		.040-4 PLY MIN	GLASS FABRIC FMS - 1023
INNER SKIN	.010-1 PLY MIN					GLASS FABRIC FMS - 1023
BONDED ASSY		.532		.070 TYP		

Figure 3-17 12B3045 SKIN - LOWER, STA. 266.83 TO STA. 278.40, ASSEMBLY OF



NAME	T ₁	T ₂	T ₃	T ₄	T ₅	MATERIAL
OUTER SKIN	.040 4 PLY MIN	.070 TYP	.020 2 PLY MIN			GLASS FABRIC FMS - 1023
INNER SKIN				.010 1 PLY MIN		GLASS FABRIC FMS - 1023
BONDED ASSY					.534	

Figure 3-18 12B3046 SKIN - LOWER, STA. 207.35 TO STA. 222.12, RIGHT HAND SIDE, ASSEMBLY OF



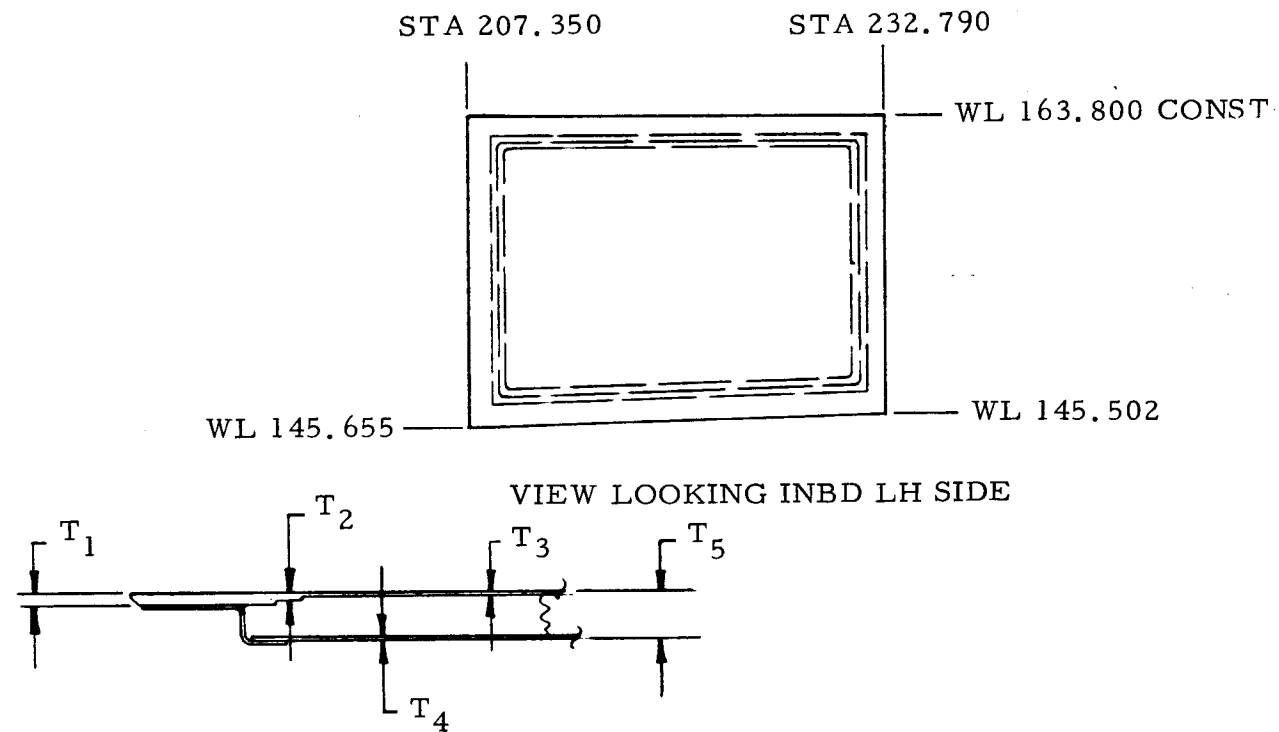
AREA = 9.81 SQ. FT.

NAME	T1	T2	T3	T4	T5	T6	T7	MATERIAL
OUTER SKIN	.113	.116	.079	.044			.103	2024-T81 ▲
INNER SKIN					.016			2024-T81 ◆
BONDED ASSY.						.564		

▲ FMS-1053 TYPE I

◆ QQ-A-250/5-T81

Figure 3-19 - SIDE, STA. 207.350 TO STA. 277.339 ASSEMBLY OF
12B5051 (TAC 31 thru 49, L/R) 12B5053 (Bomber 3 and On, R/H
ONLY; TAC 50 and On, L/R)



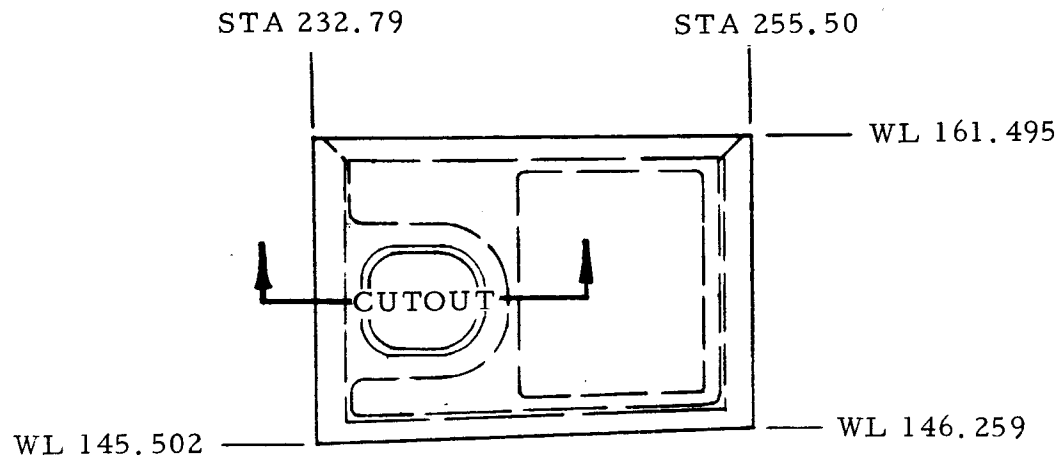
AREA=3.8 SQ. FT

NAME	T ₁	T ₂	T ₃	T ₄	T ₅	MATERIAL
OUTER SKIN	.116	.079	.044			2024-T81 ★
INNER SKIN				.016		2024-T81 *
BONDED ASSY					.574	

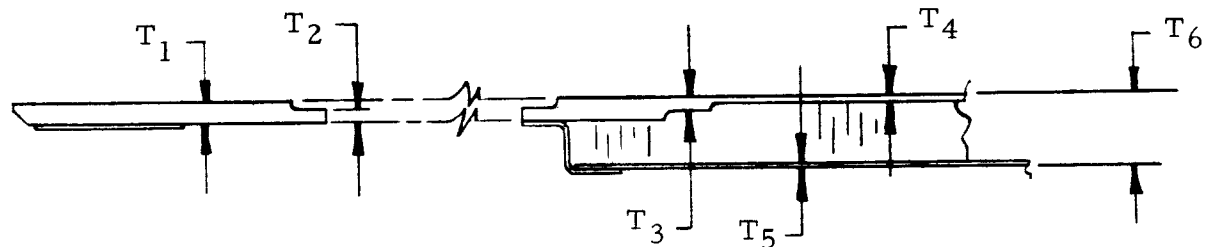
★FMS 1053 TYPE 1

*QQ-A-250/5-T81

Figure 3-20 12B5054 COVER - FORWARD, LEFT HAND SIDE, STA. 207.50
TO STA. 232.79, ASSEMBLY OF **FB-111A**



VIEW LOOKING INBD LH SIDE



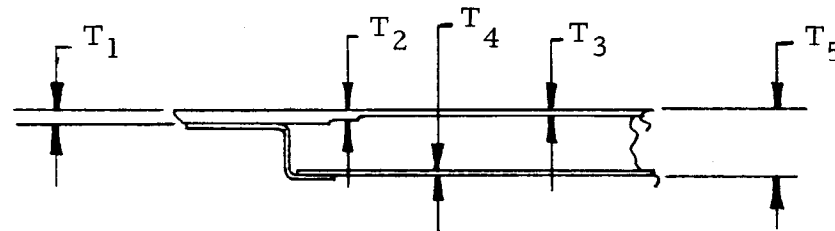
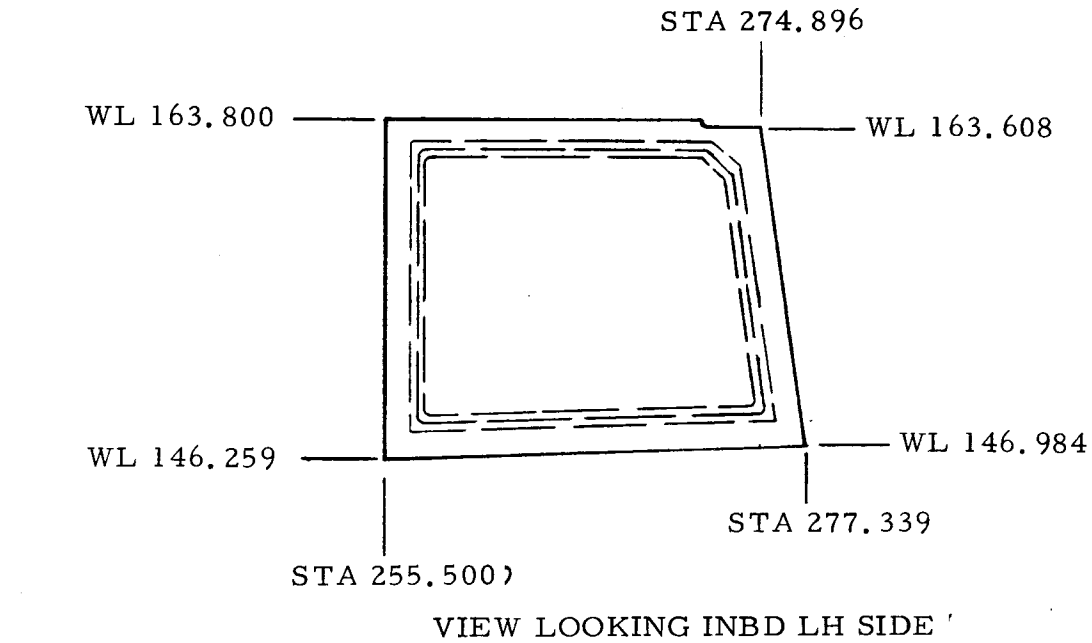
AREA=2.9 SQ. FT.

NAME	T ₁	T ₂	T ₃	T ₄	T ₅	T ₆	MATERIAL
OUTER SKIN	.196	.117	.116	.044			2024-T81 ★
INNER SKIN					.016		2024-T81 *
BONDED ASSY						.574	

★ FMS 0033 T81

* QQ-A-250/5-T81

Figure 3-21 12B5055 COVER - CENTER, LEFT HAND STA. 232.79 TO STA. 255.50, ASSEMBLY OF **FB-111A**



AREA=2.8 SQ. FT.

NAME	T ₁	T ₂	T ₃	T ₄	T ₅	MATERIAL
OUTER SKIN	.116	.079	.044			2024-T81 ★
INNER SKIN				.016		2024-T81 *
BONDED ASSY					.574	

★FMS 1053 TYPE 1 *QQ-A-250/5 T81

Figure 3-22 12B5056 COVER - AFT, LEFT HAND SIDE, STA. 255.50 TO
STA. 278.50, ASSEMBLY OF **FB-111A**
3-25

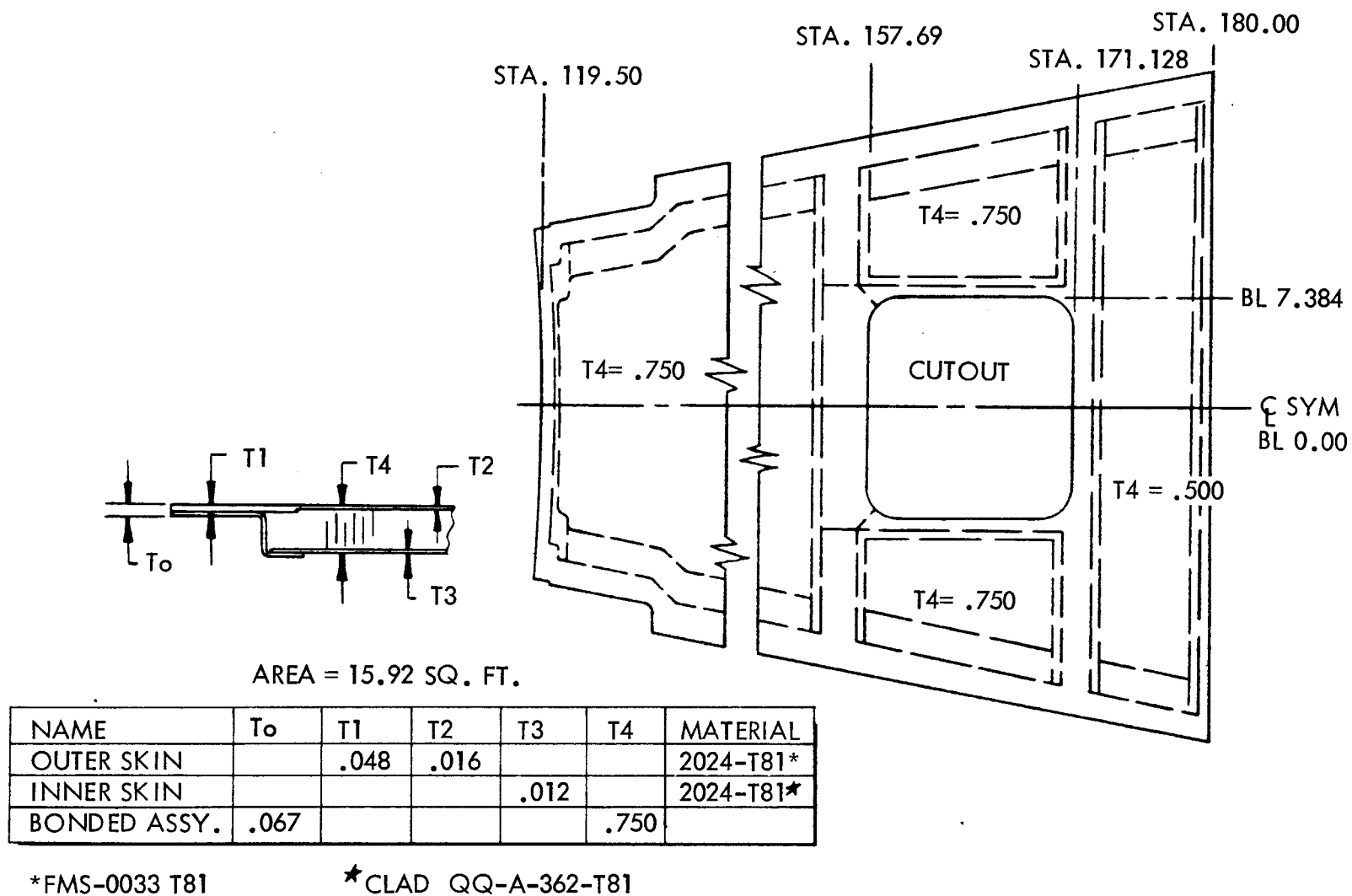
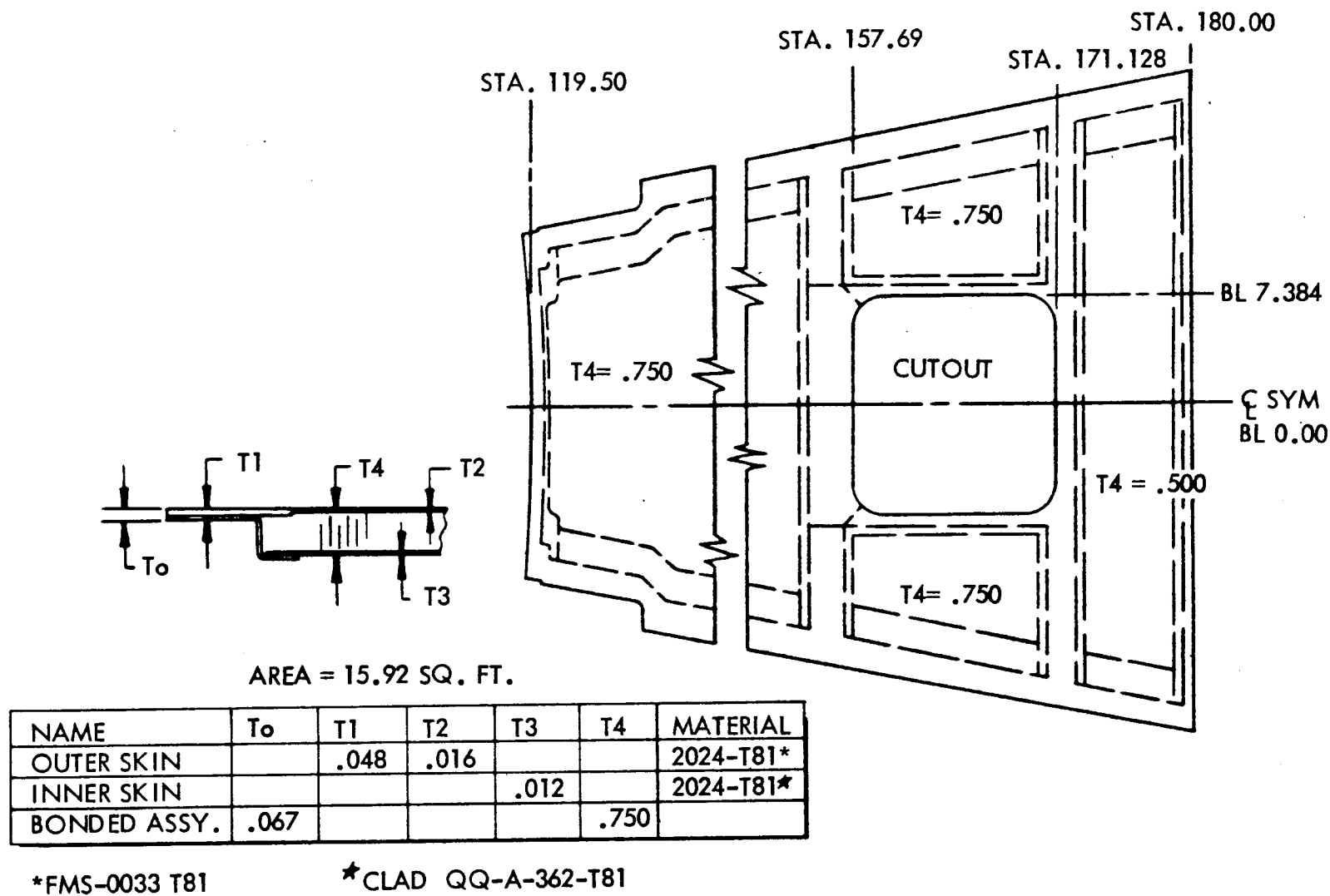
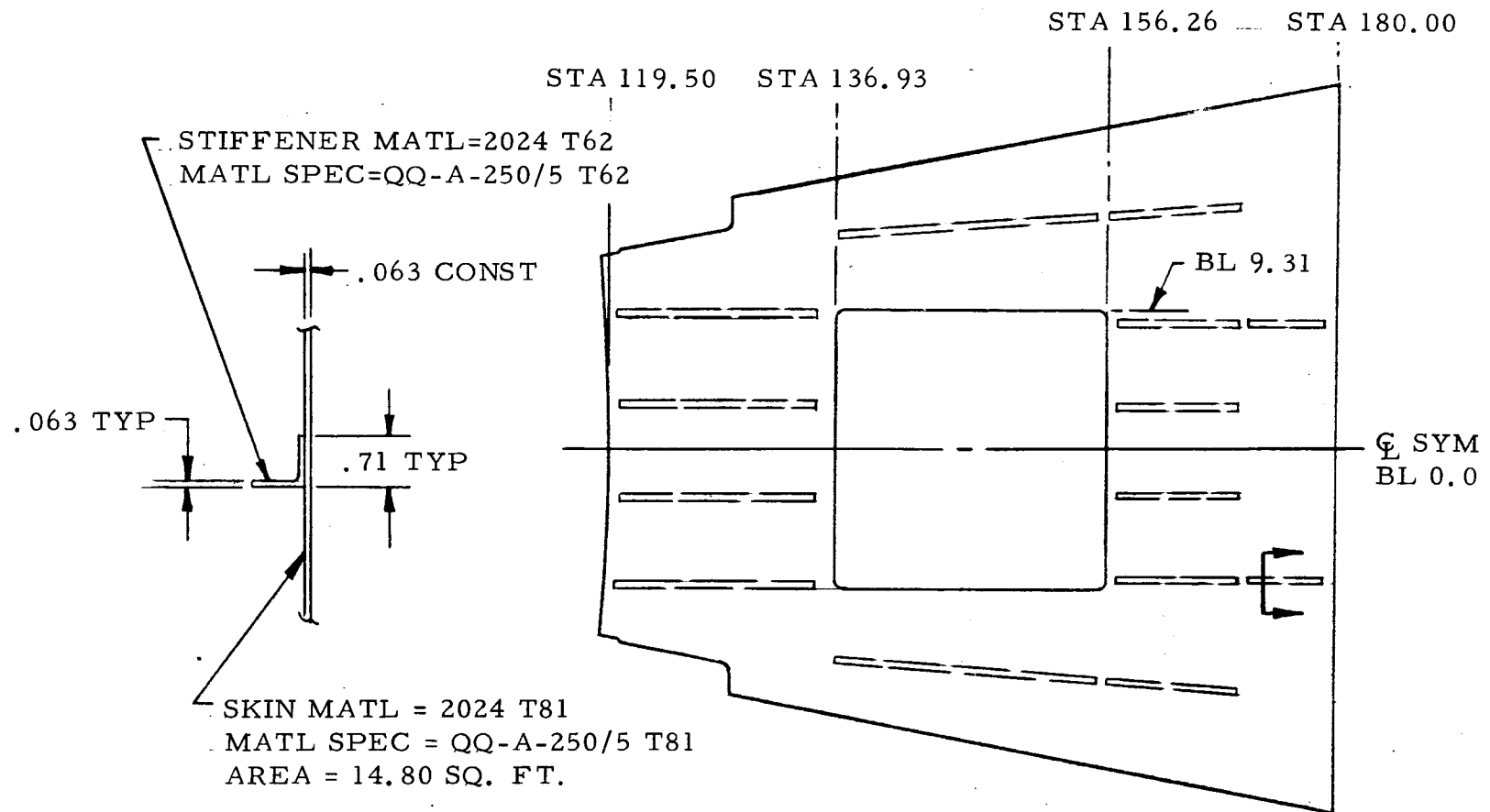


Figure 3-23 F-111A 12B11310 SKIN - FUSELAGE STATION 119.50 TO STATION 180.00 UPPER, ASSEMBLY OF (TAC 31 thru 36)



F-111E

Figure 3-23A F-111A 12B11311 SKIN - FUSELAGE STATION 119.50 TO STATION 180.00 UPPER, ASSEMBLY OF (TAC 37 and On)



FB-111

Figure 3-24 12B40310 SKIN - FUSELAGE, STA. 119.50 TO STA. 180.00,
UPPER, ASSEMBLY OF **FB-111A**

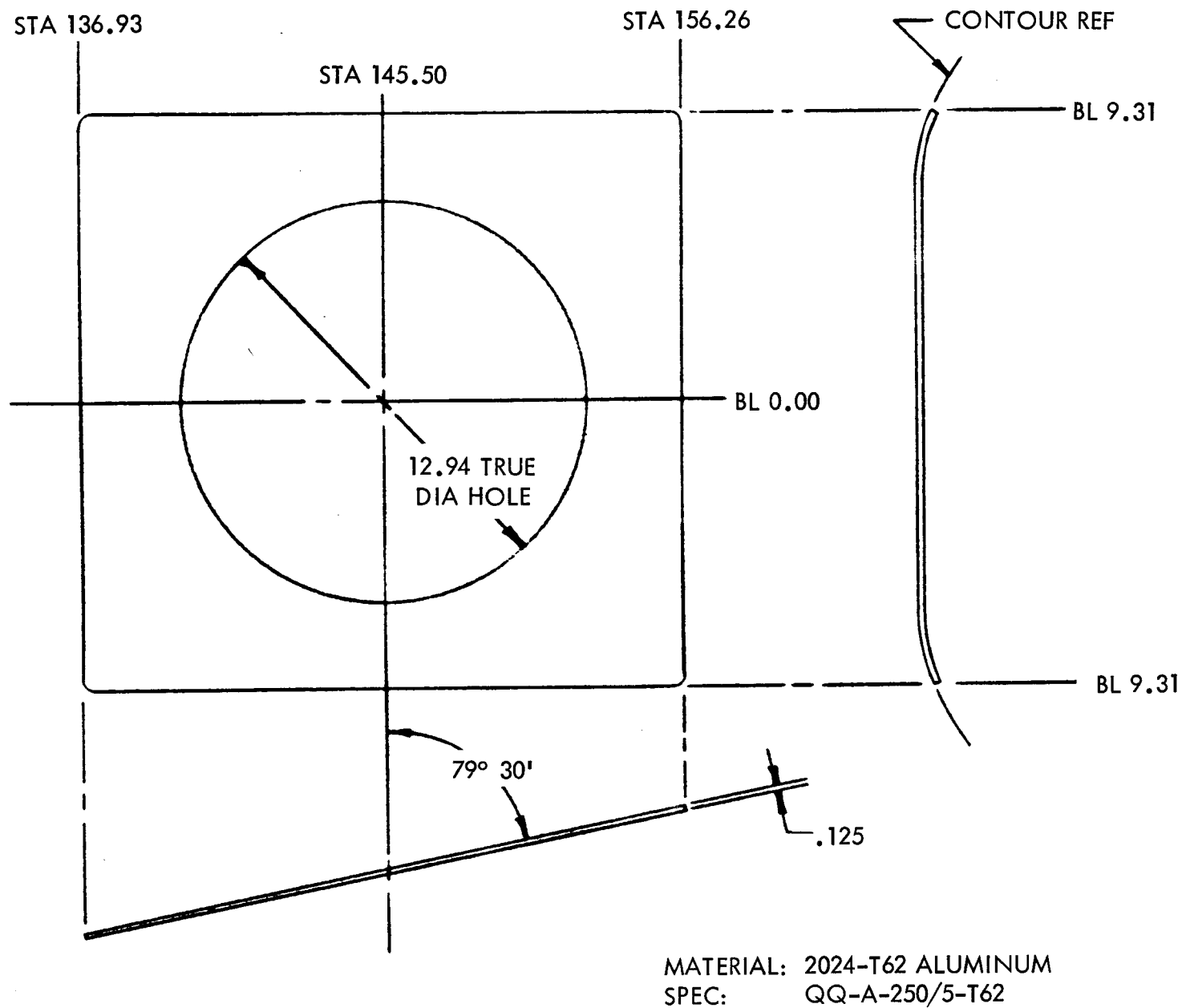


Figure 3-25 FB-111A 12B40540 - COVER - ACCESS, ASTRO COMPASS, ASSEMBLY OF

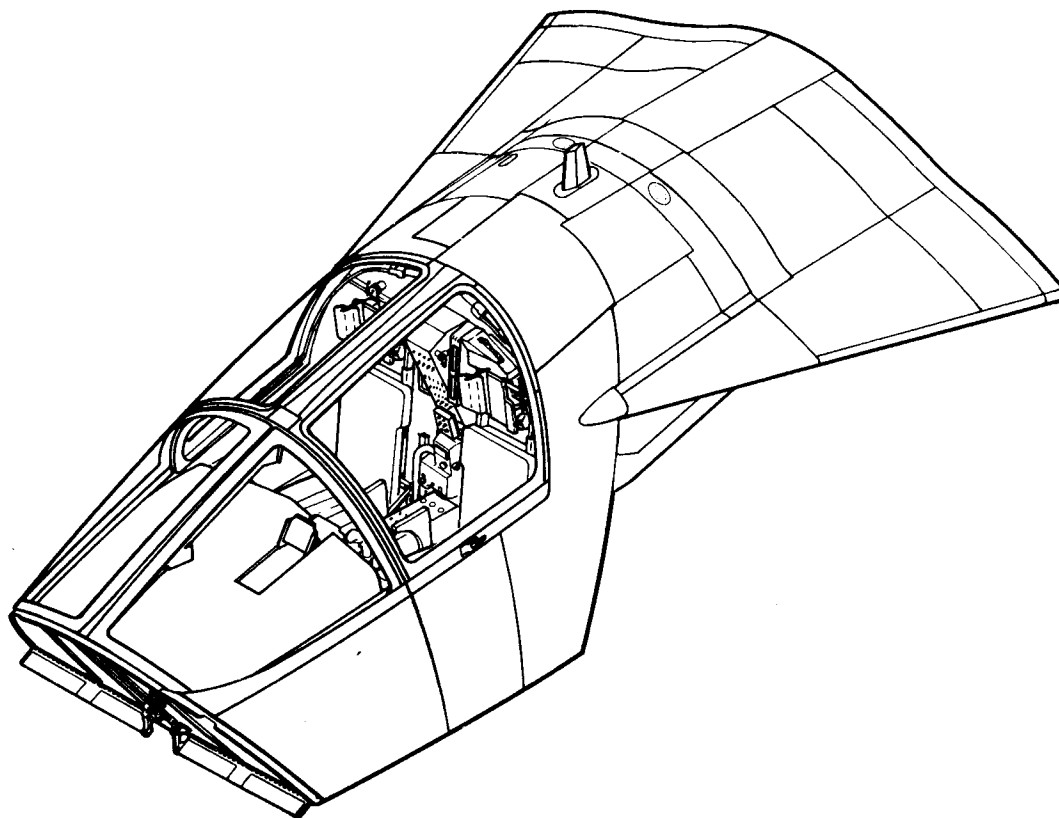


Figure 3-26 CREW MODULE WITH STAB GLOVE

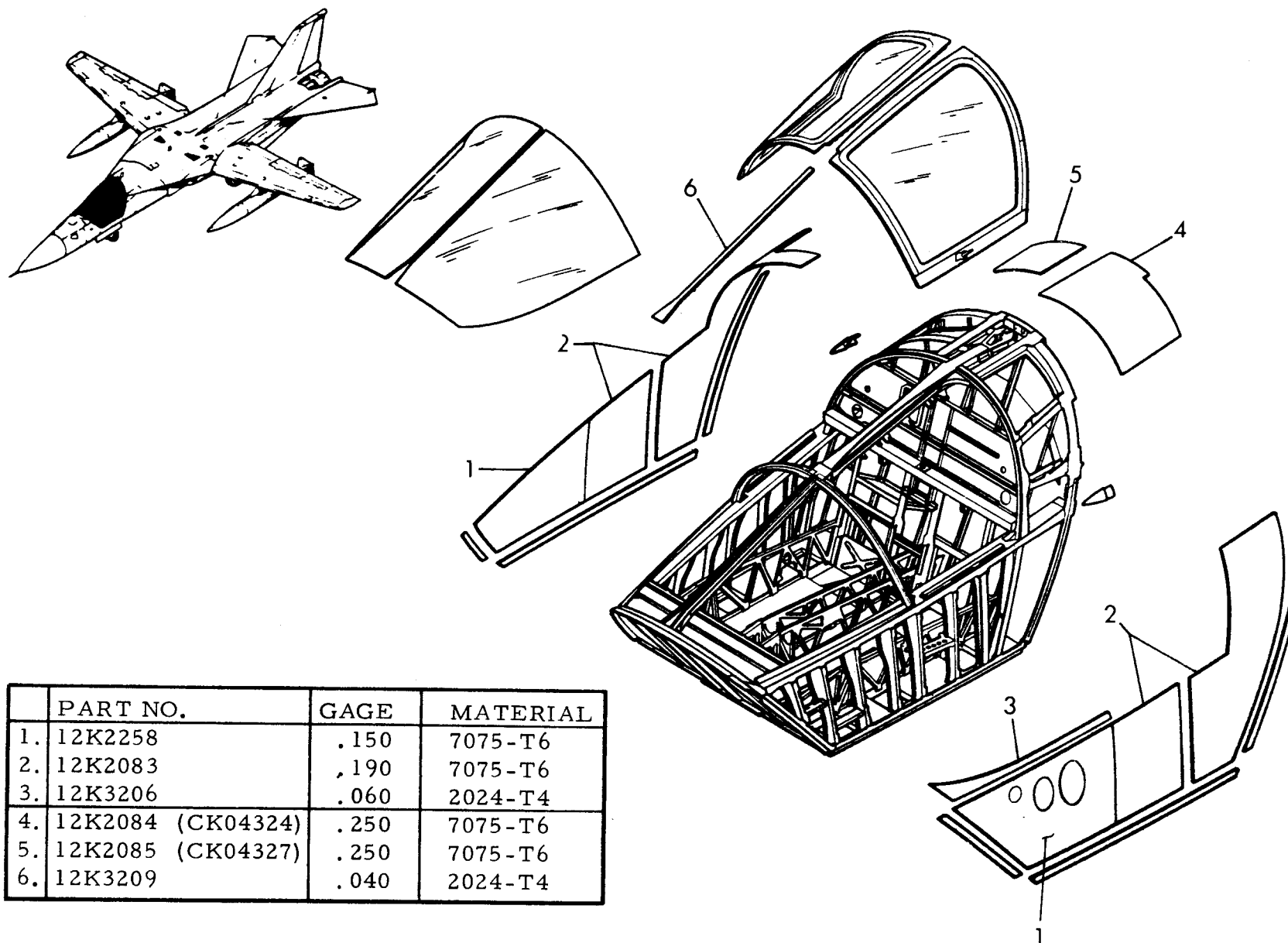
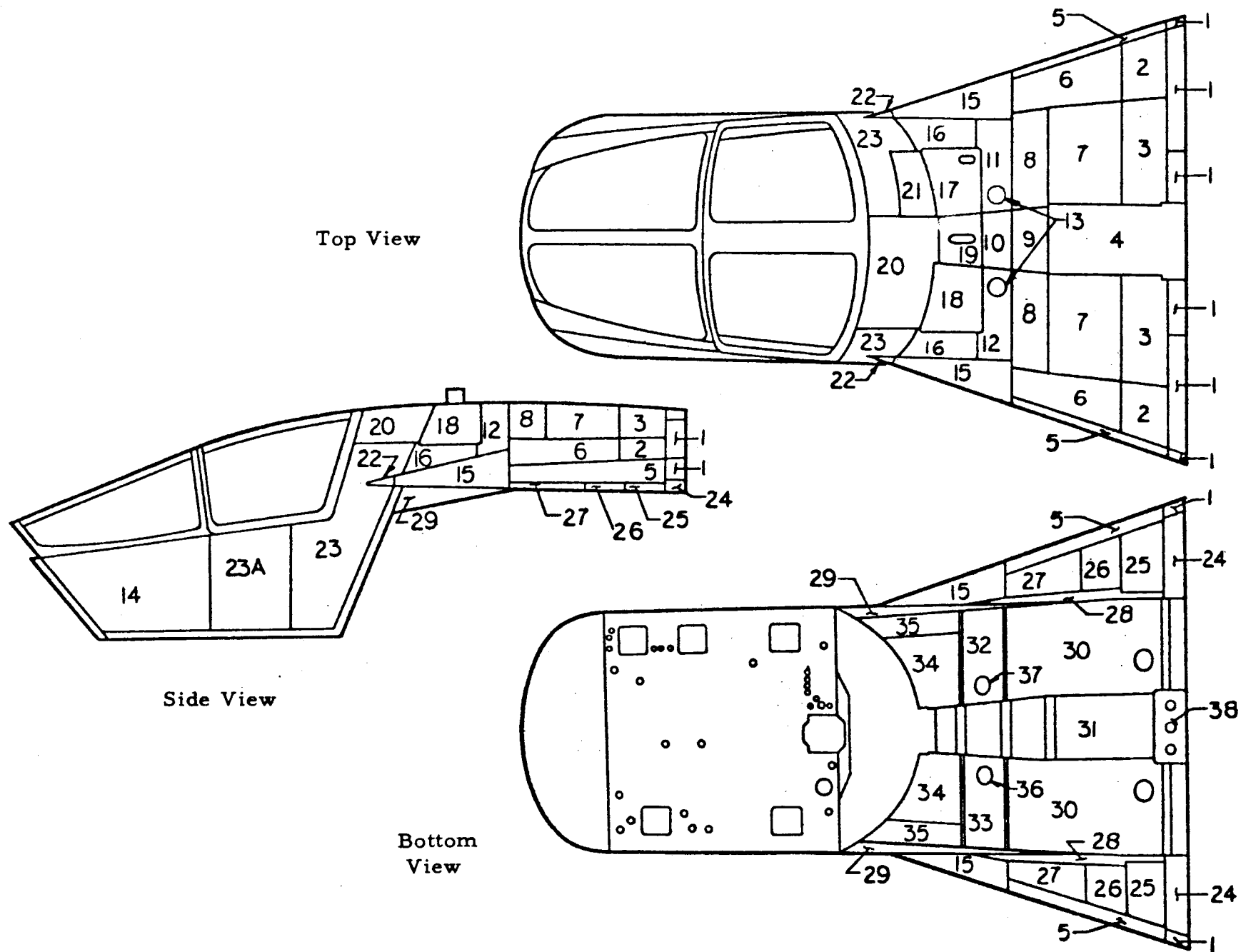


Figure 3-27 CREW MODULE SKIN PANELS



CREW MODULE SKINS AND COVERS

PART NO./SYM	PART NAME - LOCATION	MATL	TYPE	ALLOY	AREA	GAGE
12K2952 1	Cover, Access, Severable - Closure, Aft, Stab. Glove, Assy. of	AL	ES	2024-T81		.150
12K3013 2	Cover, Access - Pitch Flap, Stab. Glove, Assy. of	AL	ES	2024-T6		.080
12K3001 3	Cover, Access - Fuel Probe, Stab. Glove, Assy. of	AL	SH	2024-T42		.040
12K3006 4	Cover, Access, Severable - Parachute, Stab-Brake, Assy of	AL	ES	2024-T81		.125
12K3040 5	Skin, Wing - Leading Edge	AL	ES	2024-T81		.050
12K2994 6	Skin Assy, Wing-Stab. Glove, Fwd		SP	2024-T6		.050
12K2997 7	Skin, Outer - Aft, Assy of	AL	ES	2024-T6		.050
12K3003 8	Cover, Access - Cable, Antenna, Inbd., Stab. Glove, Assy of	AL	ES	2024-T6		.080
12K3004 9	Cover, Access - Tunnel, Stab. Glove, Assy of	AL	ES	2024-T81		.080
12K2900 10	Cover, Access Tunnel, Stab. Glove, Assy of	AL	ES	2024-T81		.080
12K2932 11	Skin, Outer - Fwd, R.H.	AL	ES	2024-T81		.180
12K2934 12	Skin, Outer, Fwd, L.H.	AL	ES	2024-T81		.180
12K2931 13	Cover, Access - Fuel Valve, Outer, Assy of	AL	ES	2024-T81		.080
12K2258 14	Cover, Access - Fwd Side, Crew Module	AL	SH	7075-T6		.160
12E2604 15	Fairing Assy - Stab. Boom, Escape Capsule					
12K3005 16	Cover, Access - Stab. Glove Fwd Outbd., Assy. of	AL	ES	2024-T81		.080
12K3002 17	Cover, Access - Antenna, Emergency UHF, Stab. Glove, Assy of	AL	ES	2024-T81		.080
12K3008 18	Cover, Access - Self-Righting Bag, L.H.	AL	ES	2024-T81		.190
12K2901 19	Panel, Support - Blade Antenna, Stab. Glove, Assy. of	AL	PL	2024-T851		1.00
12K2084 20	Cover, Access - Recovery Parachute and Rkt. Compt.	AL	PL	7075-T6		.250
12K2085 21	Cover, Access - Self-Righting Bag, R.H.	AL	PL	7075-T6		.250
12K2218 22	Fairing Instl., Leading Edge - Stab. Glove, Crew Module					
12K2257 22	Fairing, Stab. Glove Leading Edge - Crew Module	AL	CAST- ING			

CREW MODULE SKINS AND COVERS

[illegible]

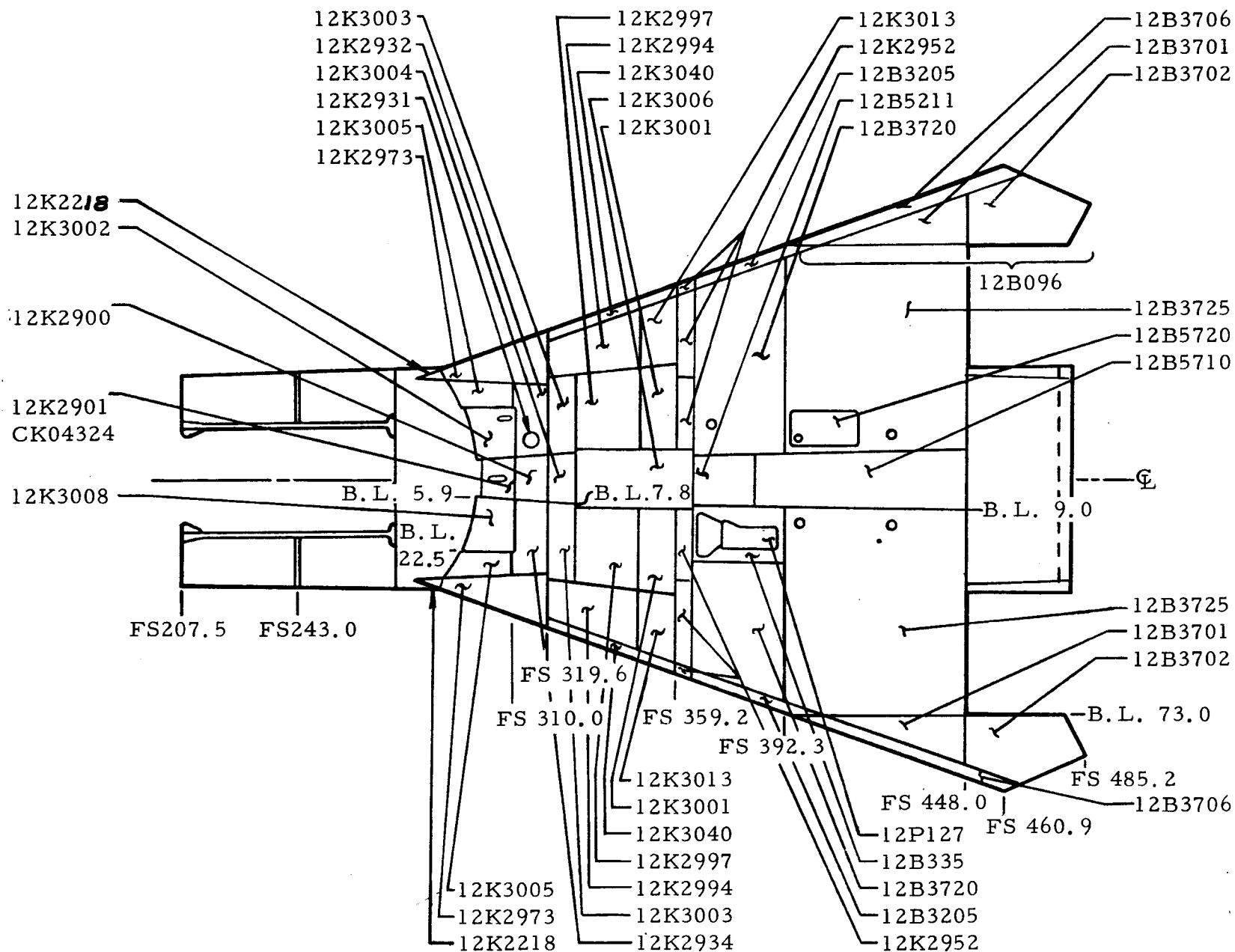


Figure 3-29 STABILIZER GLOVE, GLOVE ASSEMBLY, AND ROTATING GLOVE SKINS

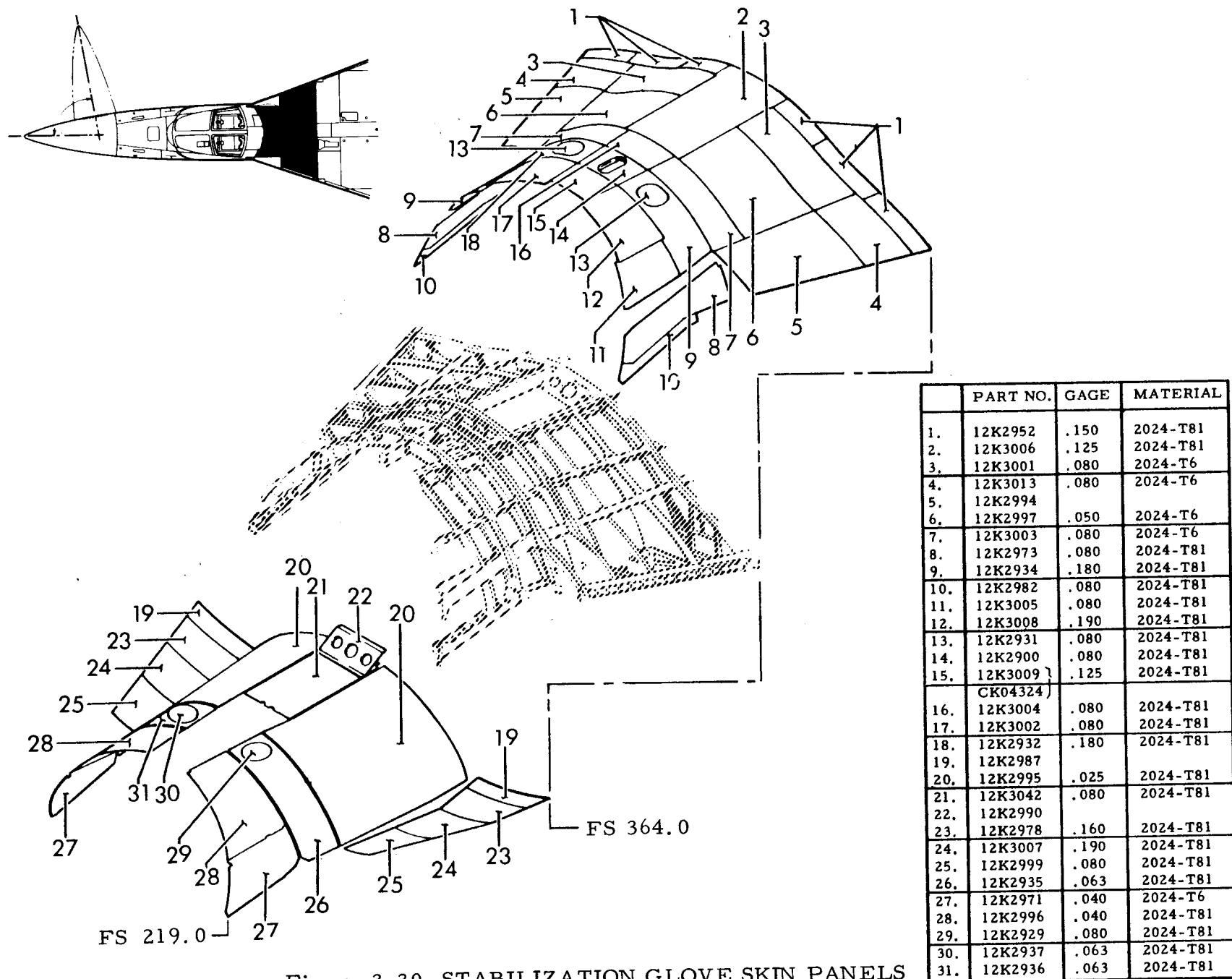
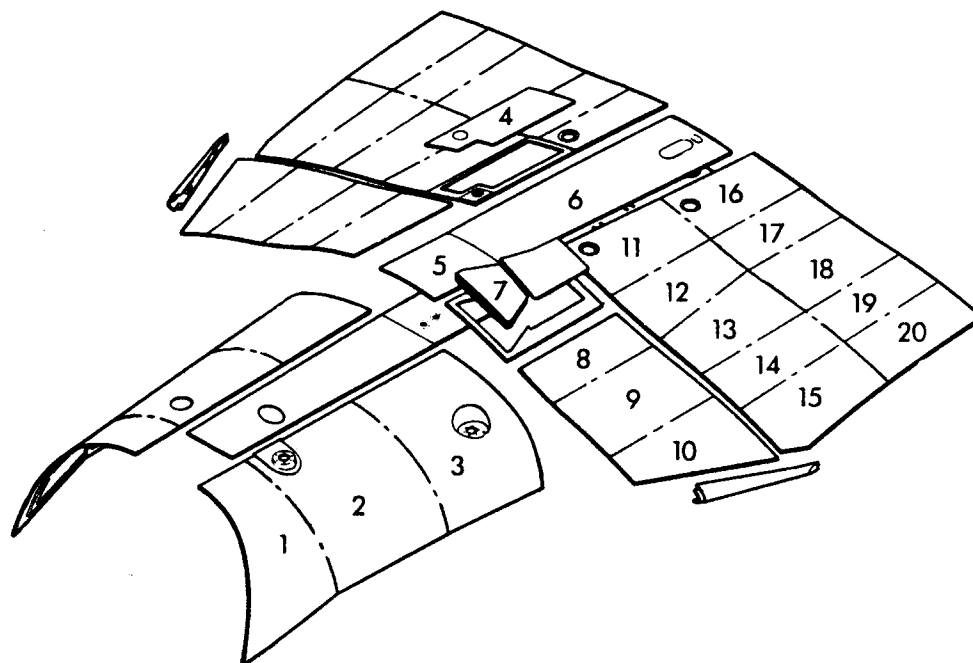
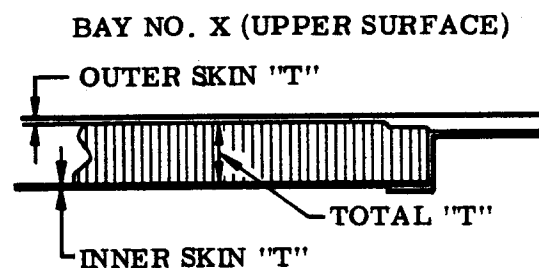


Figure 3-30 STABILIZATION GLOVE SKIN PANELS

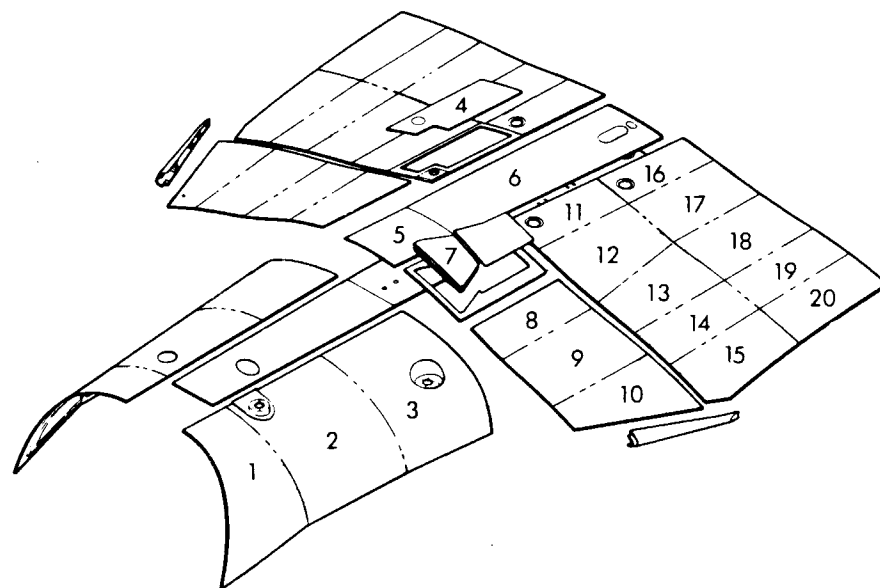


PART NUMBER	BAY	OUTER "T"	INNER "T"	TOTAL "T"
12B3211	1	.024	.024	.550
12B3211	2	.024	.024	.550
12B3211	3	.024	.024	.550
12B5720	4	.015	.015	.532
12B5211	5	.015	.012	.407
12B5710	6	.015	.012	.407
12B335	7	.145	SHEET	.145
12B3720	8	.015	.012	.529
12B3720	9	.015	.015	.532
12B3720	10	.015	.015	.532
12B3725	11	.015	.015	.529
12B3725	12	.015	.012	.529
12B3725	13	.015	.012	.529
12B3725	14	.015	.012	.529
12B3725	15	.015	.015	.529
12B3725	16	.055	.035	.529
12B3725	17	.060	.040	.529
12B3725	18	.015	.012	.529
12B3725	19	.015	.012	.529
12B3725	20	.015	.012	.529

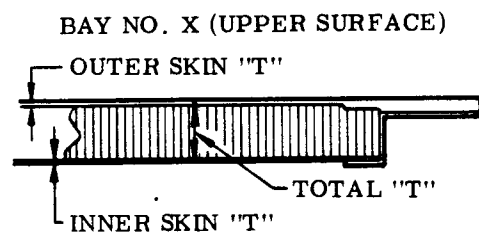


PANEL PART NUMBER	SIZE
12B3211	35" x 79"
12B5211	20" x 16"
12B5710	16" x 65"
12B3720	28" x 63"
12B3725	56" x 65"

Figure 3-31 F-111A GLOVE SKIN PANELS



PART NUMBER	BAY	OUTER "T"	INNER "T"	TOTAL "T"
12B3711	1T	.024	.024	.550
12B3713	1N	.020	.016	.538
12B3711	2T	.024	.024	.550
12B3713	2N	.012	.012	.526
12B3711	3T	.024	.024	.550
12B3713	3N	.024	.024	.550
12B5720	4	.015	.015	.532
12B5211	5T	.015	.012	.407
12B5710	6	.015	.012	.407
12B335	7T	.145	SHEET	.145
12B3720	7N	.016	.016	.534
12B3720	8			
12B3720	9			
12B3720	10			
12B3725	11		.016	.534
12B3725	12		.013	.531
12B3725	13		.013	
12B3725	14		.013	
12B3725	15	.016	.016	.531
12B3725	16	.055	.035	.529
12B3725	17	.060	.040	.529
12B3725	18	.016	.013	.531
12B3725	19	.016	.013	.531
12B3725	20	.021	.016	.539

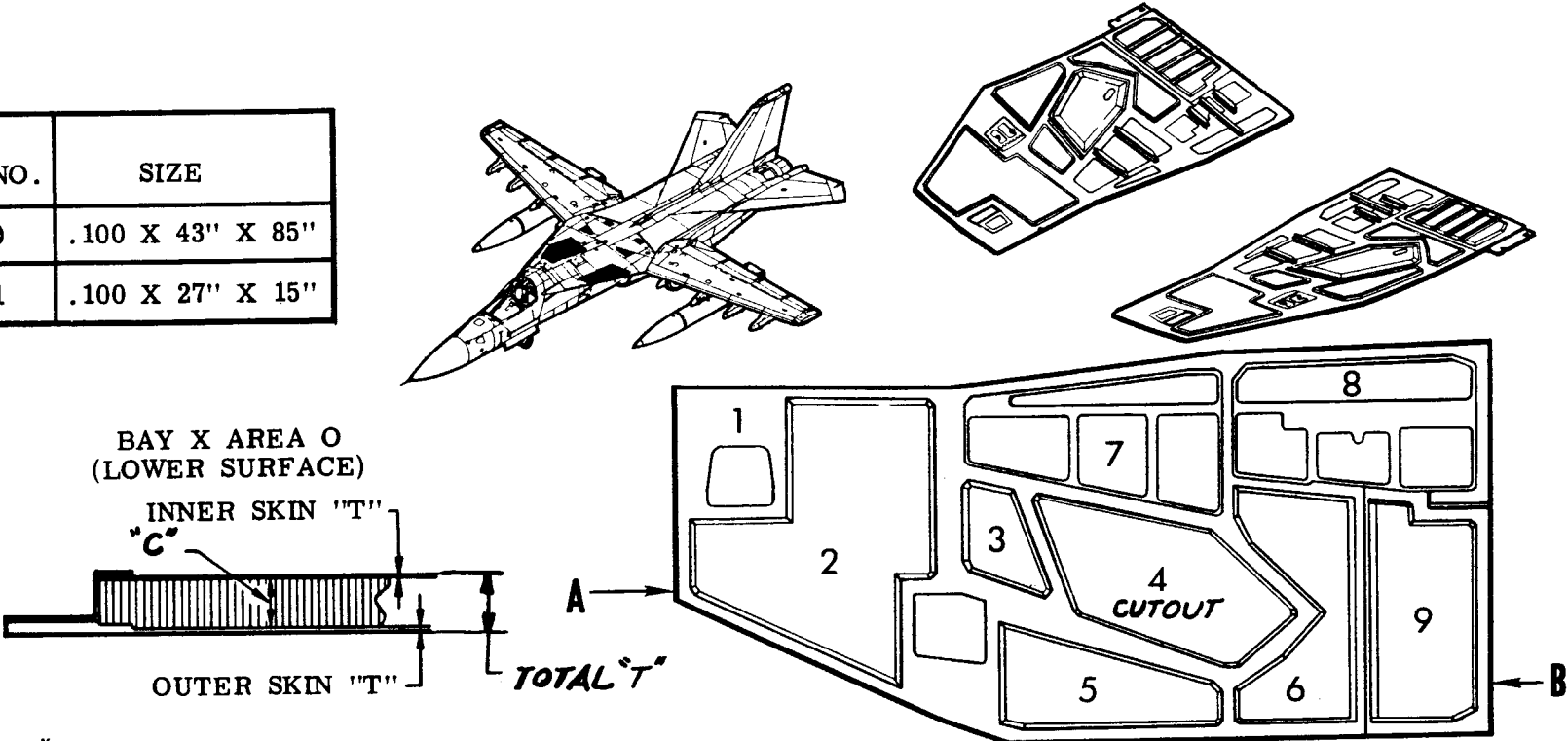


PANEL PART NUMBER	SIZE
12B3711	35" x 79"
12B3713	35" x 79"
12B5211	20" x 16"
12B5710	16" x 65"
12B3720	28" x 63"
12B3725	56" x 65"

Figure 3-32 GLOVE SKIN PANELS

F-111E/FB-111A

PANEL PART NO.	SIZE
12B3770	.100 X 43" X 85"
12B3271	.100 X 27" X 15"

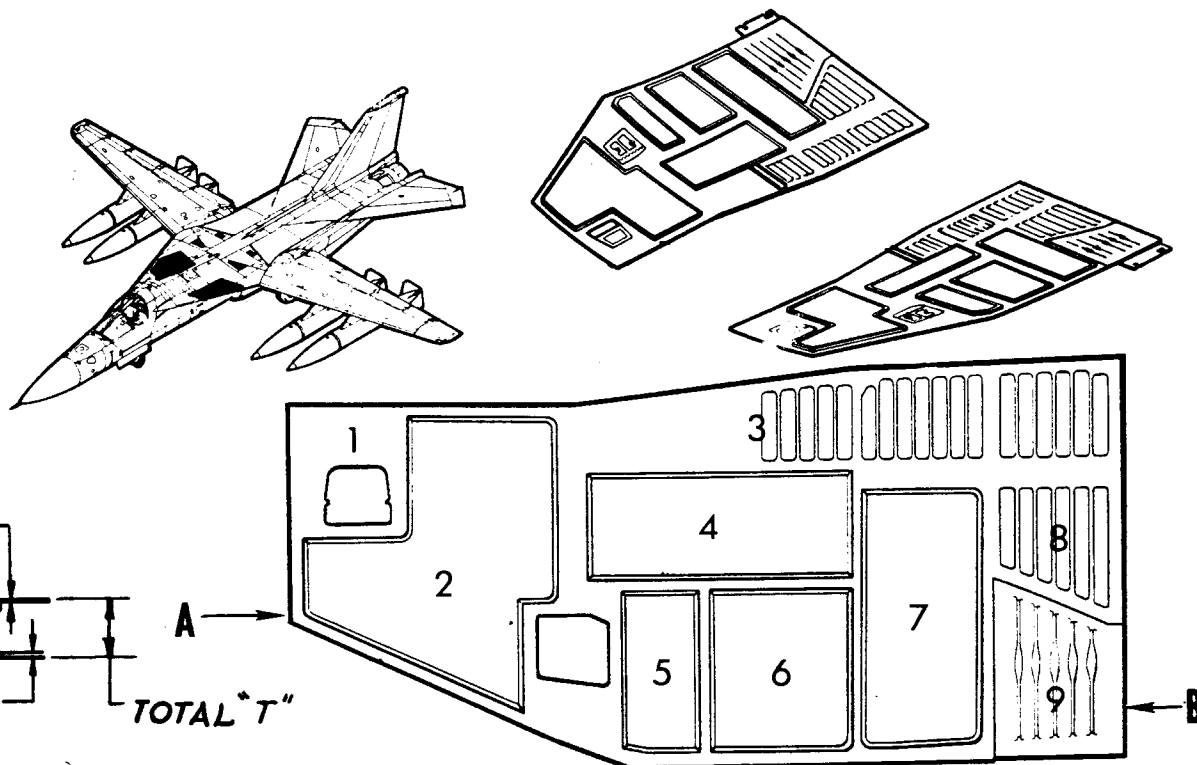


"C" = CORE THICKNESS

PANEL NUMBER	BAY	AREA 1	AREA 2			AREA 3			AREA 4			
		OUTER "T"	OUTER "T"	INNER "T"	TOTAL "T"	OUTER "T"	INNER "T"	C	CUTOUT			
12B3770	A	.012	.020	.015	"C"	.015	.012	.495				
12B3271	B				.490							
PART NUMBER	BAY	AREA 5			AREA 6			AREA 7				AREA 8
		OUTER "T"	INNER "T"	TOTAL "T"	OUTER "T"	INNER "T"	"C"	OUTER "T"	OUTER "T"	OUTER "T"	INNER "T"	"C"
12B3770	A	.015	.012	.495	.015	.012	.500	.040	.040			
12B3271	B									.015	.012	.940

Figure 3-33 F-111A GLOVE SKIN PANELS LOWER

PANEL PART NO.	SIZE
12B3771	.100 X 43" X 85"
12B3272	.312 X 15" X 27"

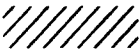


C = CORE THICKNESS

PART NUMBER	BAY	AREA 1	AREA 2				AREA 3	AREA 4				AREA 5		
		OUTER "T"	OUTER "T"	INNER "T"	"C"	OUTER "T"	OUTER "T"	INNER "T"	"C"	OUTER "T"	INNER "T"	"C"		
12B3771	A	.100	.020	.015	.495	.040	.020	.012	.500	.020	.012	.500		
12B3272	B													
PART NUMBER	BAY	AREA 6			AREA 7			AREA 8	AREA 9					
		OUTER "T"	INNER "T"	TOTAL "T"	OUTER "T"	INNER "T"	TOTAL "T"	OUTER "T"	OUTER "T"					
12B3771	A	.020	.012	.500	.020	.020	.490	.060						
12B3272	B								.100					

Figure 3-34 FB-111/F-111E GLOVE SKIN PANELS LOWER

LEGEND:

1. T_u (T-__) - Thickness and 2024 Al temper of upper & lower skins.
 T_l (T-__)
 T_c (I-__) - Thickness and basic core type.
 T_e - Thickness of lower skin just inside zee edge member.
 L_d - Dimension from edge of upper skin to min. etched thickness of LOWER SKIN.
 T_o THICKNESS AND 2024 AL TEMPER OF OUTER SKIN.
 T_i THICKNESS AND 2024 AL TEMPER OF INNER SKIN.
 - Indicates core ribbon direction.
2. For a given panel data is typical for each bay unless shown otherwise.
3.  - Indicates portion of panel where flat plate construction was used.
4. All holes & cut-outs have been omitted. For more detailed study refer to given drawing number.

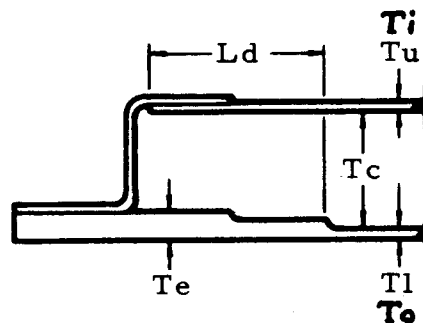


Figure 3-35 SKIN PANEL LEGEND IN AREA OF FORWARD CENTER FUSELAGE

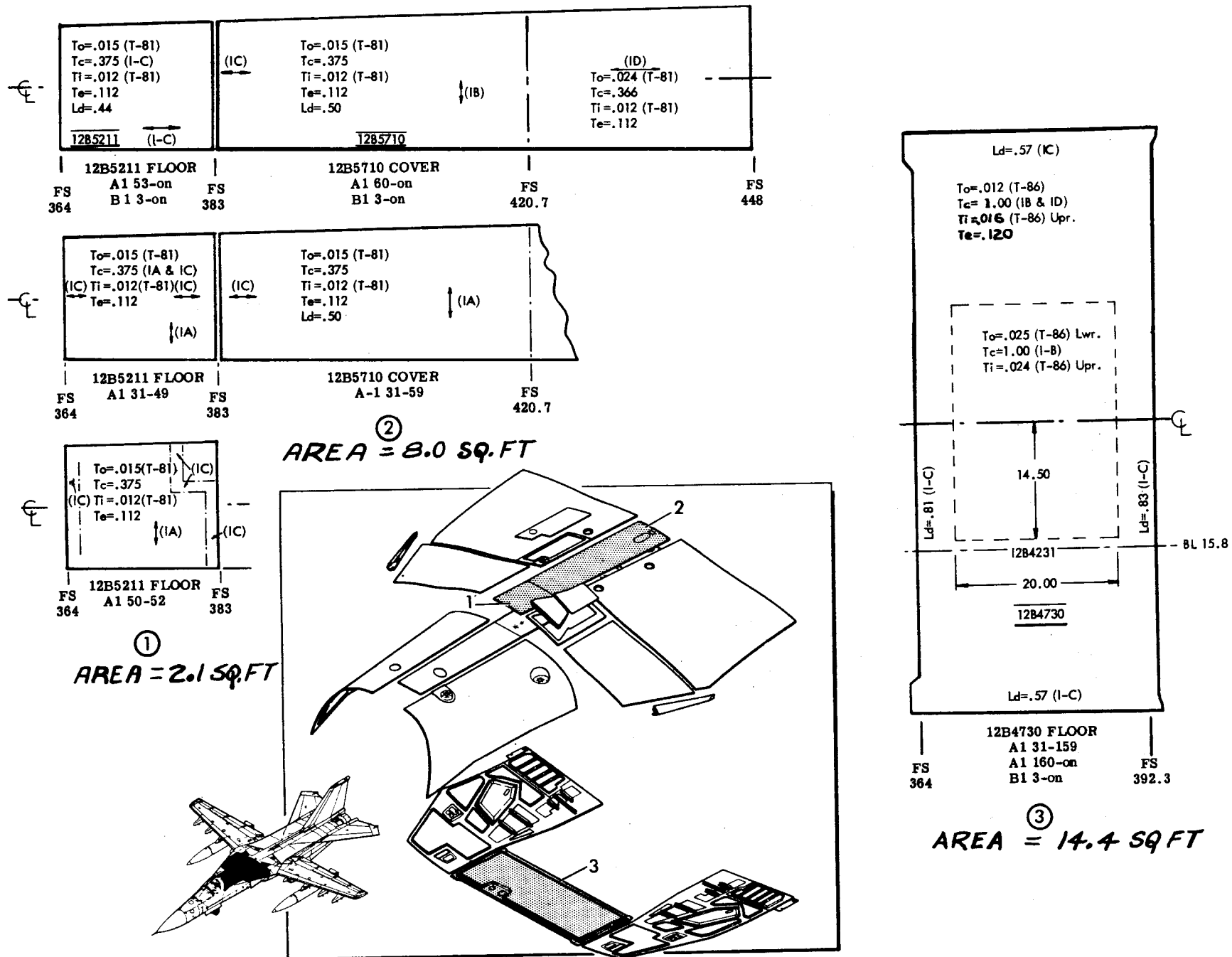


Figure 3-36 GLOVE COVERS, 12B5211, 12B5710, AND 12B4730

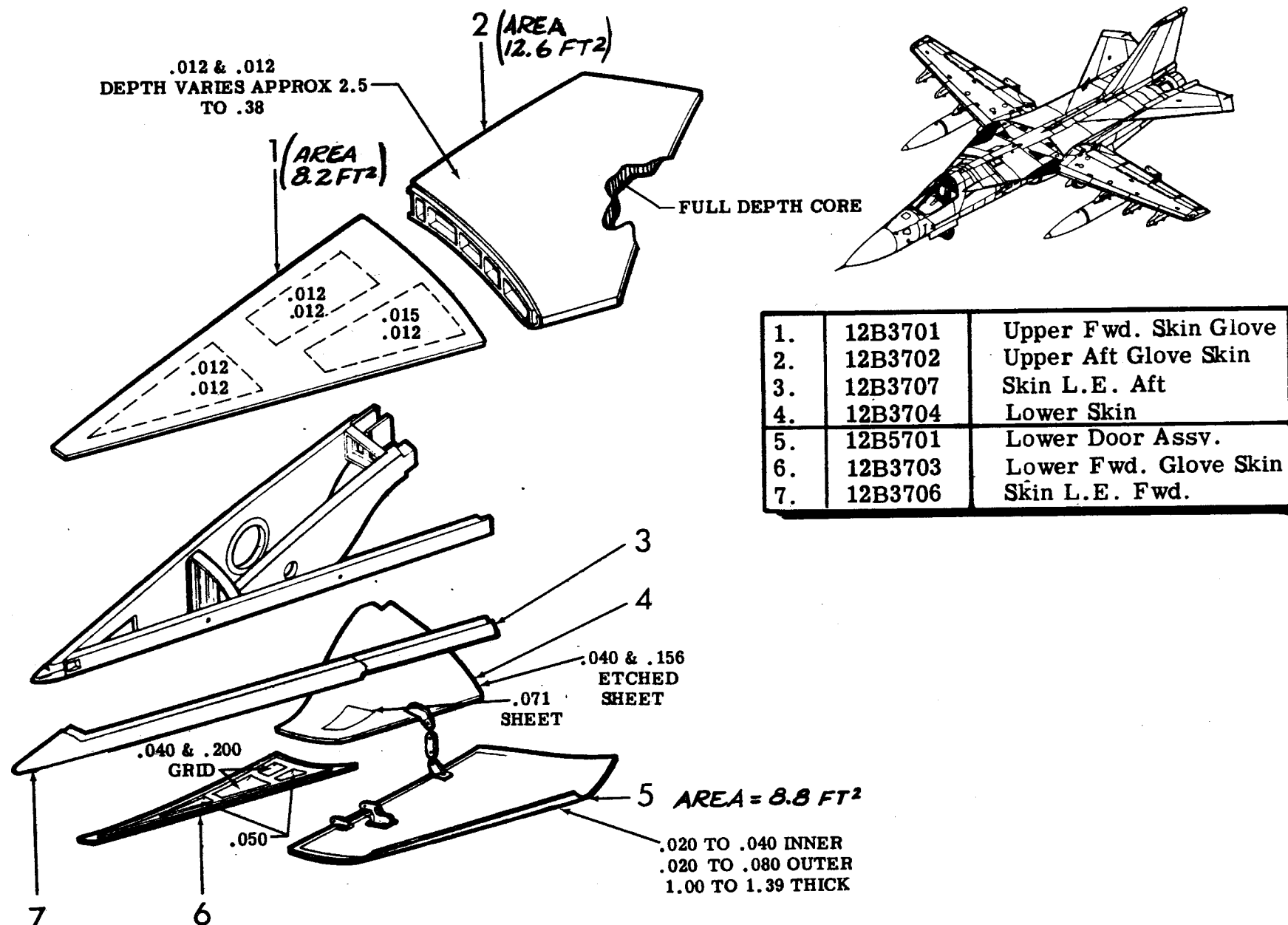


Figure 3-37 F-111A ROTATING GLOVE SKIN F-111E

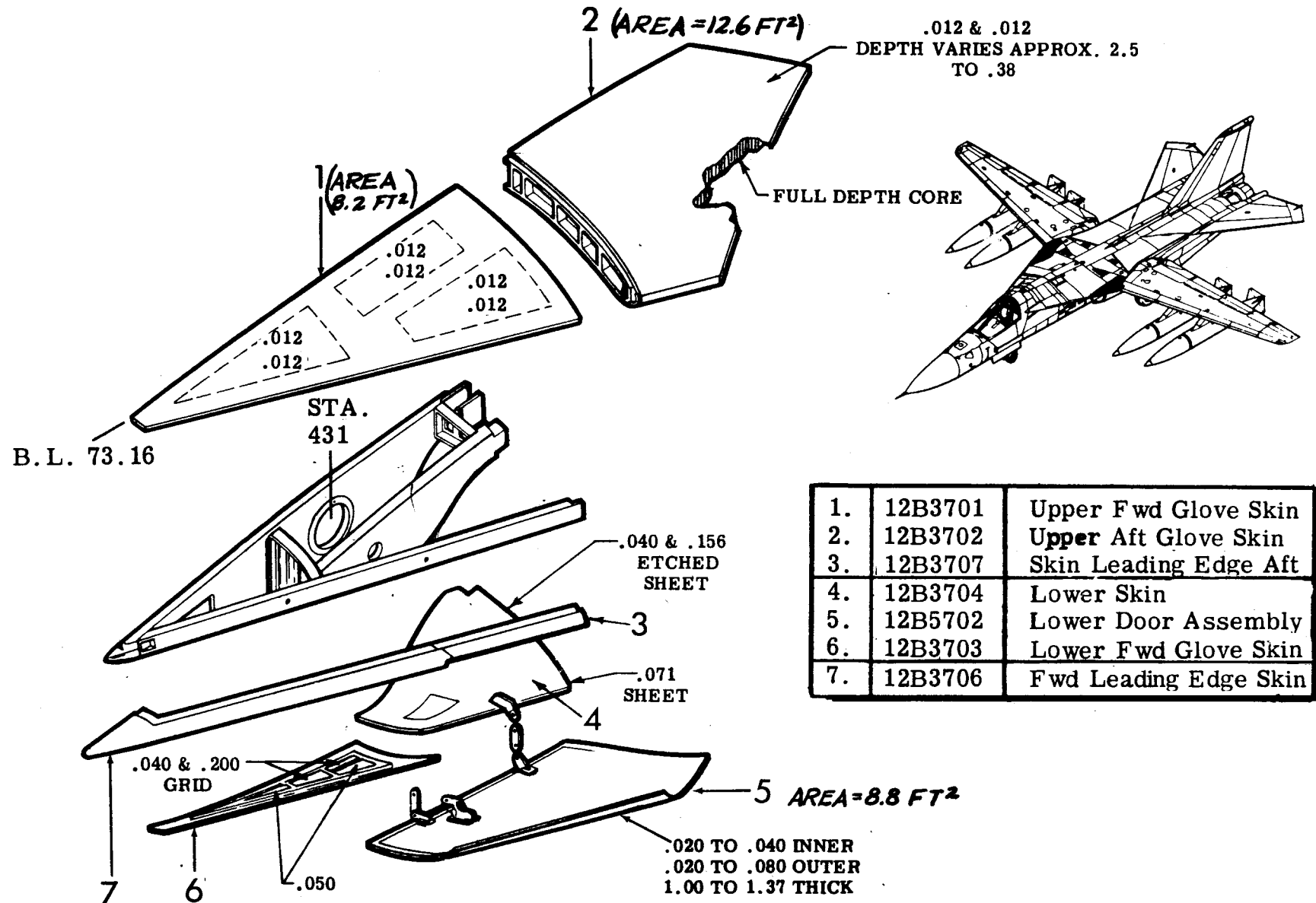


Figure 3-38

ROTATING GLOVE SKIN

FB-111A / F-111E

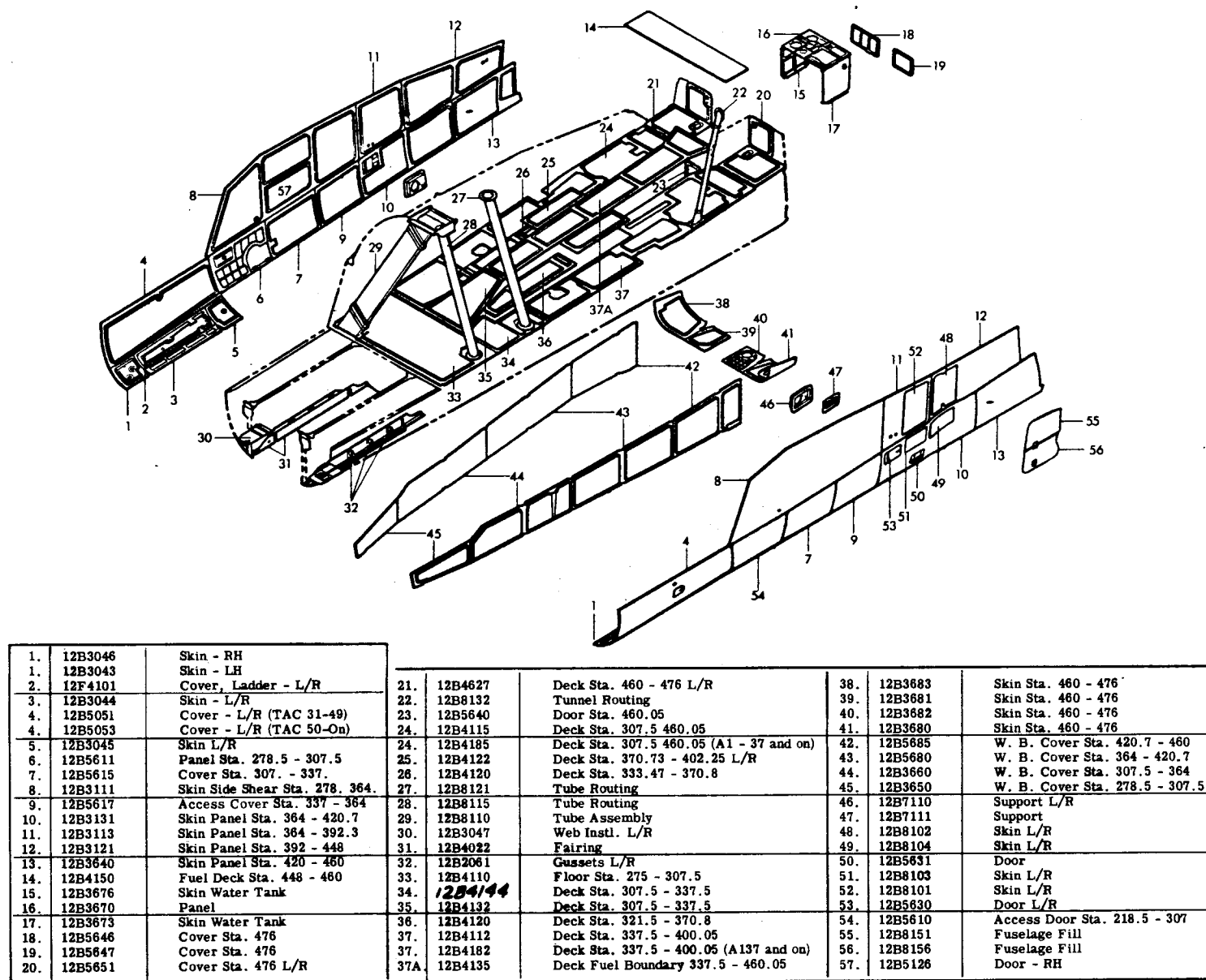
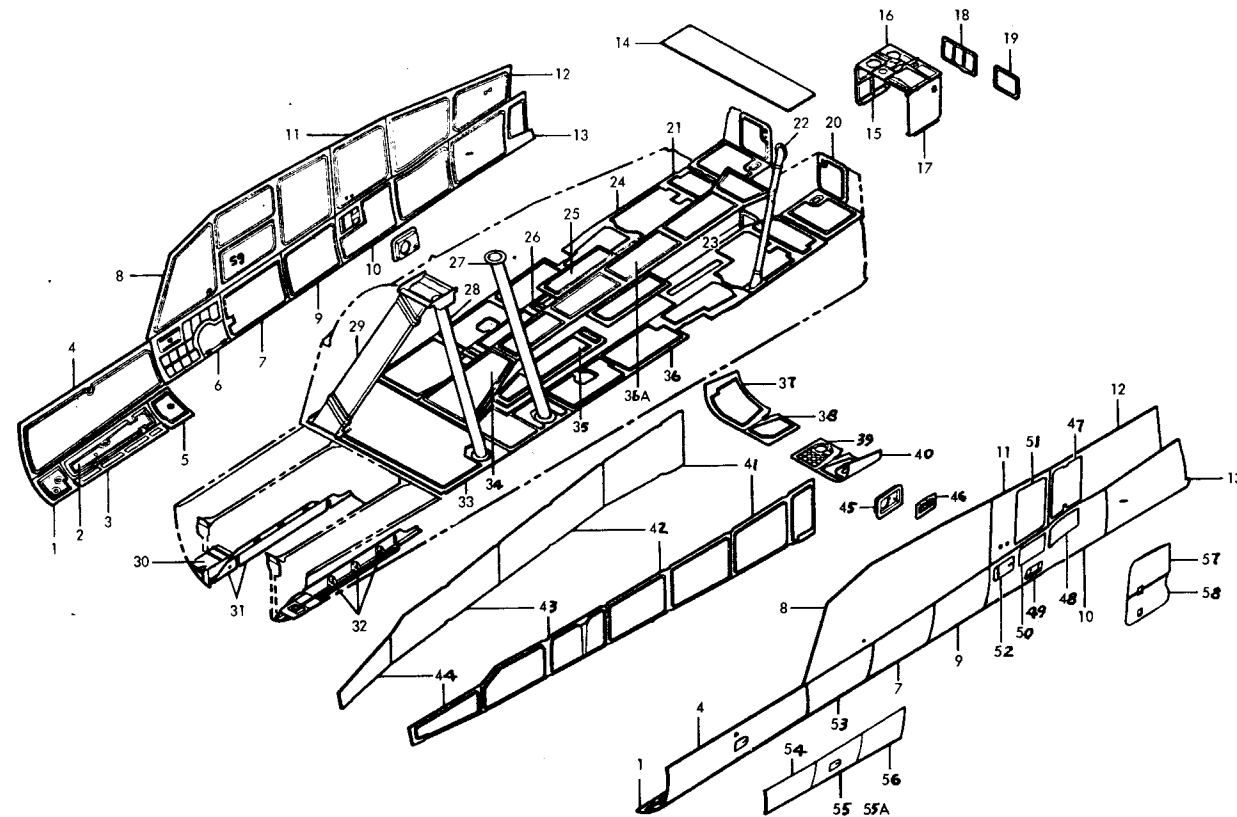


Figure 3-39

FORWARD CENTER FUSELAGE SKIN PANELS F-111A



1. 12B3046	Skin - RH	20. 12B5651	Cover Sta. 476 L/R	41. 12B5685	W. B. Cover Sta. 420.7 - 460
1. 12B3043	Skin - LH	21. 12B4627	Deck Sta. 460 - 476	42. 12B5680	W. B. Cover Sta. 364 - 420.7
2. 12F4083	Cover, Ladder	22. 12B8132	Tunnel Routing	43. 12B3660	W. B. Cover Sta. 307.5 - 364
3. 12B3044	Skin - L/R	23. 12B5640	Door Sta. 460.05	44. 12B3650	W. B. Cover Sta. 378.5 - 307.5
4. 12B5053	Cover - RH (B1 3-On)	24. 12B4185	Deck Sta. 307.5 - 460.05 (A1 37-On)	45. 12B7110	Support L/R
4. 12B5053	Cover - L/R A1 160-On)	25. 12B4122	Deck Sta. 307.5 - 402.25 L/R	46. 12B7101	Support
5. 12B3045	Skin L/R	26. 12B4120	Deck Sta. 333.47 - 370.8	47. 12B8102	Skin L/R
6. 12B5611	Panel Sta. 278.5 - 307.5	27. 12B8120	Tube Routing	48. 12B8104	Skin L/R
7. 12B5615	Cover Sta. 307 - 337	28. 12B8115	Tube Routing	49. 12B5631	Door
8. 12B3111	Skin Side Shear Sta. 278 - 364	29. 12B8110	Tube Assembly	50. 12B8103	Skin L/R
9. 12B5617	Access Cover Sta. 337 - 364	30. 12B3047	Web Inst. L/R	51. 12B8101	Skin L/R
10. 12B3131	Skin Panel Sta. 364 - 420.7	31. 12B4022	Fairing	52. 12B5630	Door L/R
11. 12B3113	Skin Panel Sta. 364 - 392.3	32. 12B2061	Gussets L/R	53. 12B5610	Access Door Sta. 278.5 - 307
12. 12B3121	Skin Panel Sta. 392 - 448	33. 12B4110	Floor Sta. 275 - 307.5	54. 12B5054	Cover L. H. (B1 3-On Only)
13. 12B3640	Skin Panel Sta. 420 - 460	34. 12B4132	Deck Sta. 307.5 - 337.5	55. 12B5055	Cover - L. H. (B1 3-On Only)
14. 12B4150	Fuel Deck Sta. 448 - 460	35. 12B4120	Deck Sta. 321.5 - 370.8	55A 12B5057	Access Door - L. H. (B1 3-On Only)
15. 12B3676	Skin Water Tank	36. 12B4182	Deck Sta. 337.5 - 460.05 (A1 37-On)	56. 12B5056	Cover - L. H. (B1 3-On Only)
16. 12B3670	Panel	36A 12B4135	Deck Fuel Boundary 337.50 - 460.05	57. 12B8151	Fuselage Fill (B1 3-6; A1 239-On)
17. 12B3673	Skin Water Tank	37. 12B3683	Skin Sta. 460 - 476	57A 12B8051	Fuselage Fill (A1 160-238; B1 7-33)
18. 12B5646	Cover Sta. 476	38. 12B3681	Skin Sta. 460-476	58. 12B8156	Fuselage Fill (B1 3-6; A1 239-On)
19. 12B5647	Cover Sta. 476	39. 12B3682	Skin Sta. 460 - 476	58A 12B8056	Fuselage Fill (A1 160-238; B1 7-33)
		40. 12B3680	Skin Sta. 460 - 476	59. 12B5126	Door - RH

Figure 3-40 FORWARD CENTER FUSELAGE SKIN PANELS (F-111E: A1 160-On; FB-111A: B1 3-On)

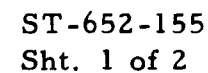


Figure 3-41 FORWARD CENTER FUSELAGE SIDE PANELS FS 278 TO 364

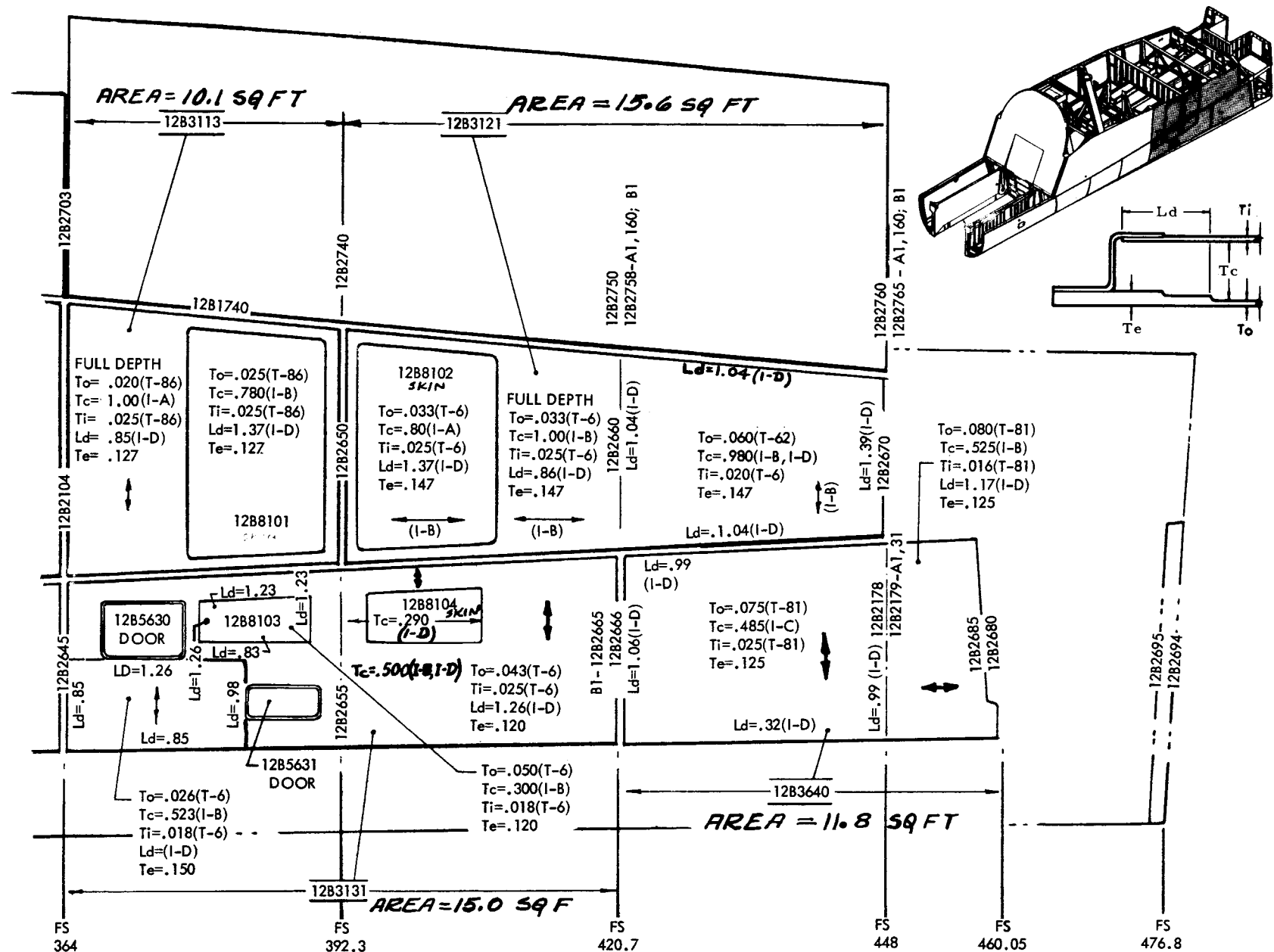
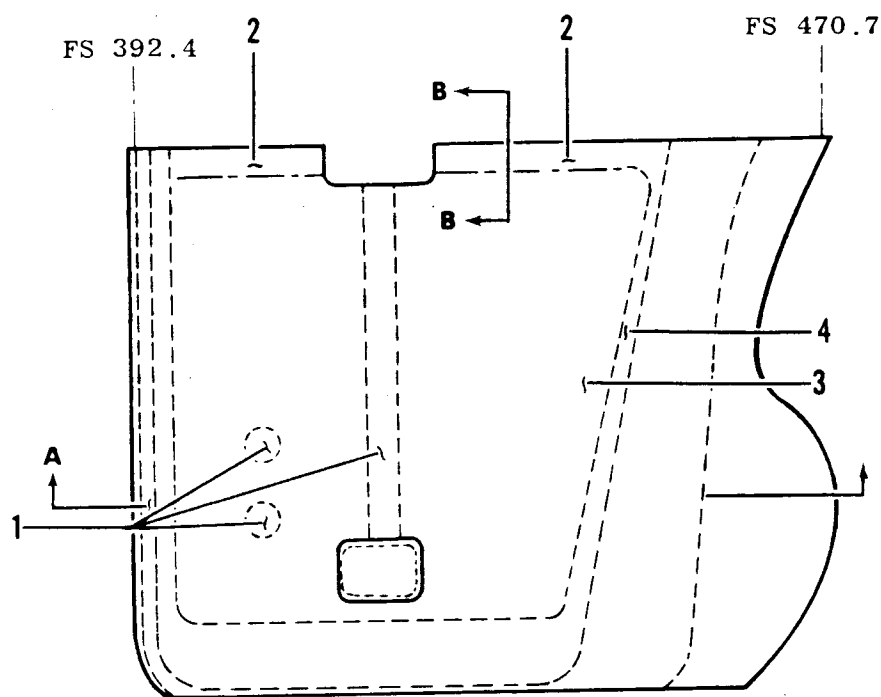
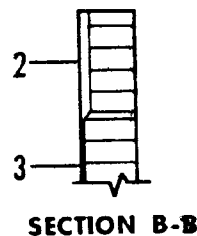
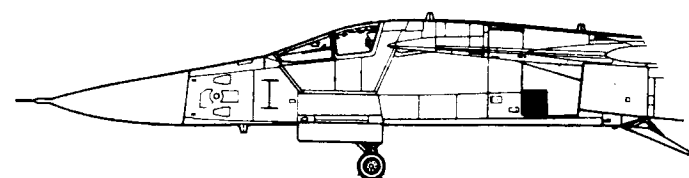
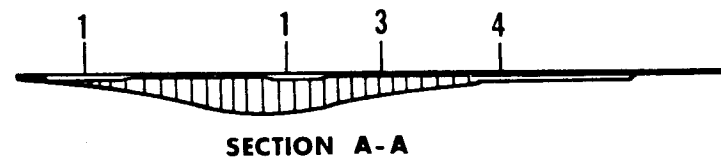


Figure 3-42 FORWARD CENTER FUSELAGE SIDE PANELS FS 364 TO 476

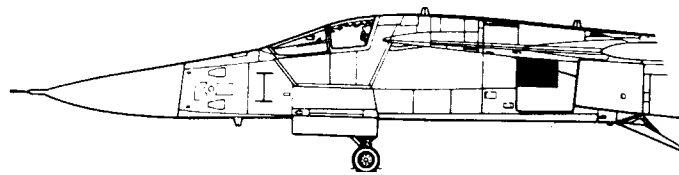


12B8156 LOWER FILL		
SECT.	GAGE	MATERIAL
1	.063	2024-T62
2	.030	2024-T62
3	..020	2024-T62
4	.030	2024-T62



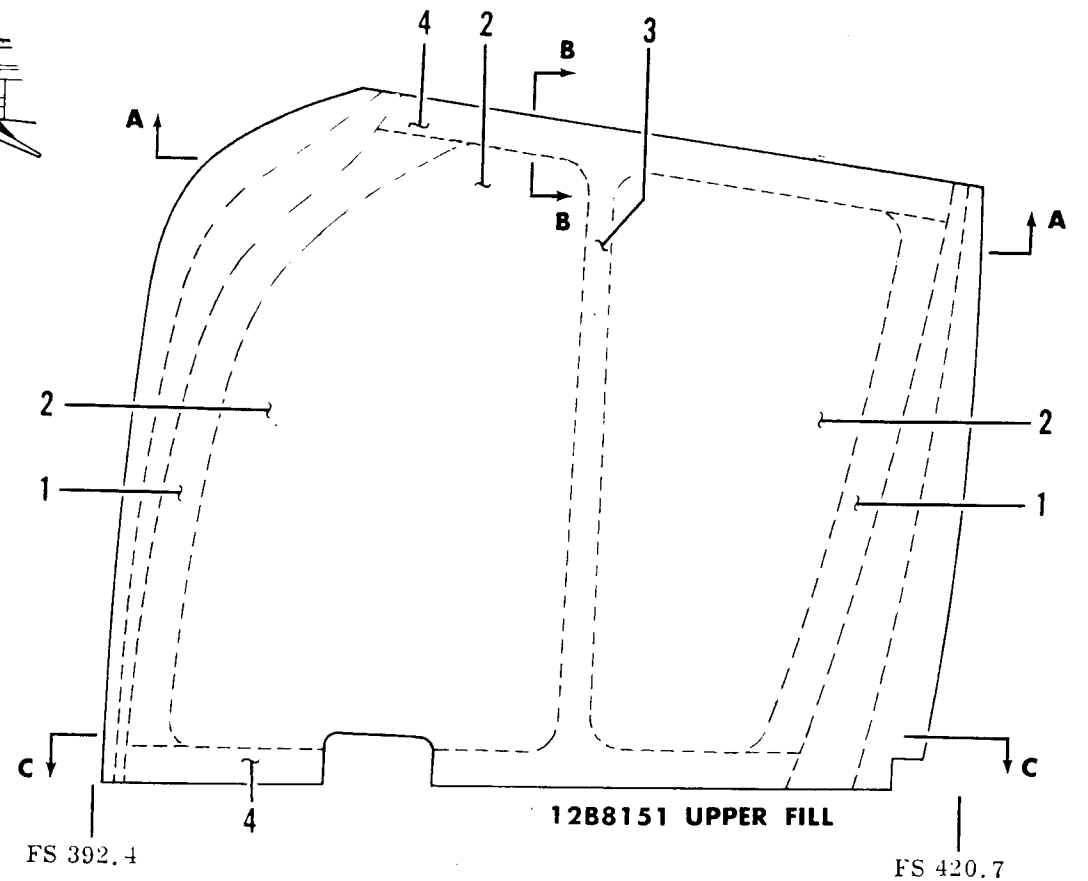
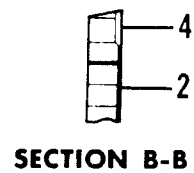
AREA= 548.0 IN²

Figure 3-43 12B8156 PANEL - LOWER FILL F-111E/ F-111A



12B8151 UPPER FILL		
SECT.	GAGE	MATERIAL
1	.063	2024-T6
2	.020	2024-T6
3	.063	2024-T6
4	.063	2024-T6

AREA = 578.0 IN²



SECTION A-A

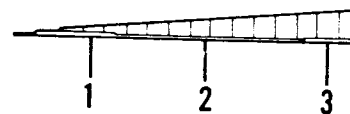


Figure 3-44 12B8151 PANEL - UPPER FILL F-111E / F-111A

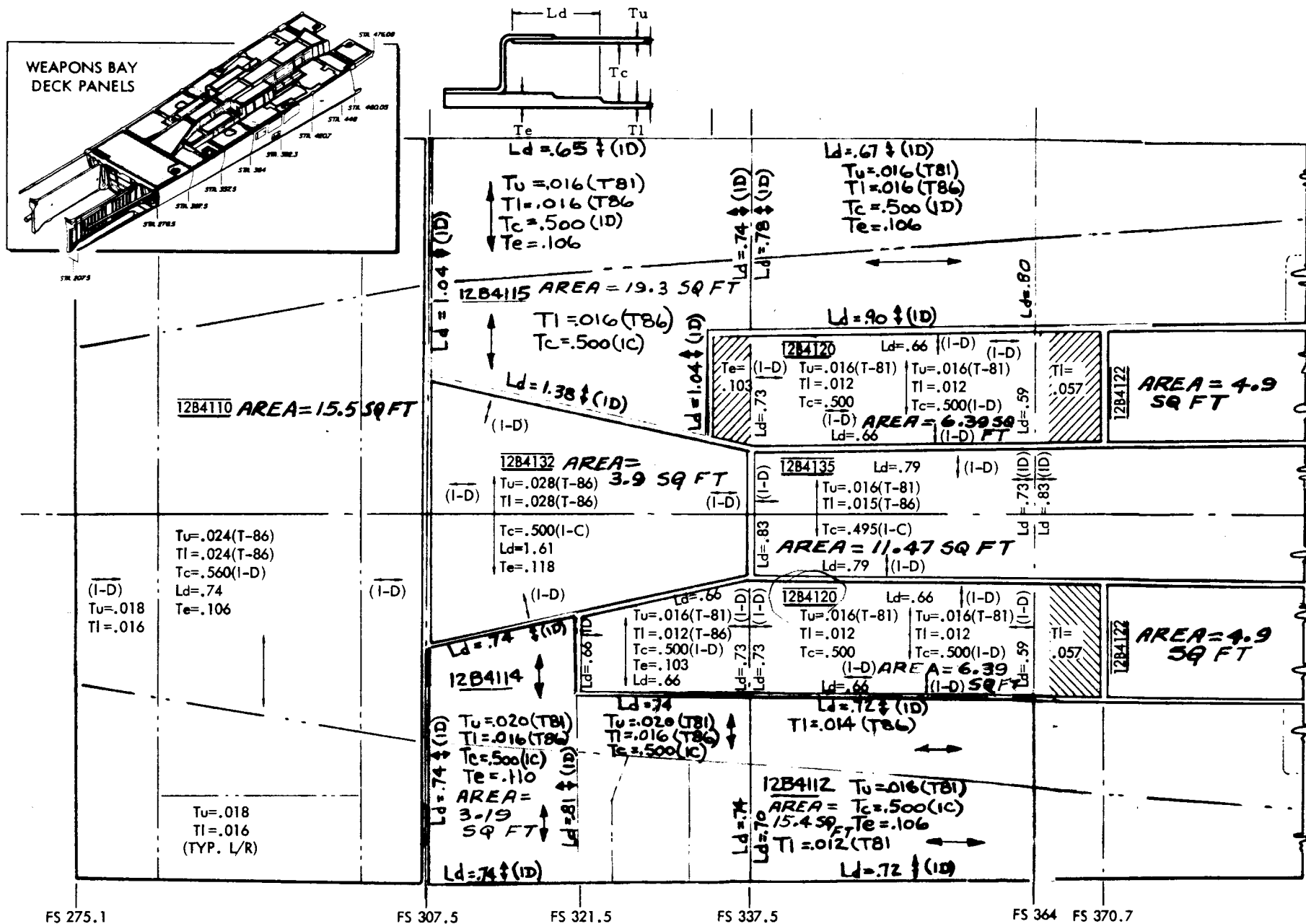


Figure 3-45 F-111A WEAPONS BAY DECK PANELS - FS 275.1-370.7

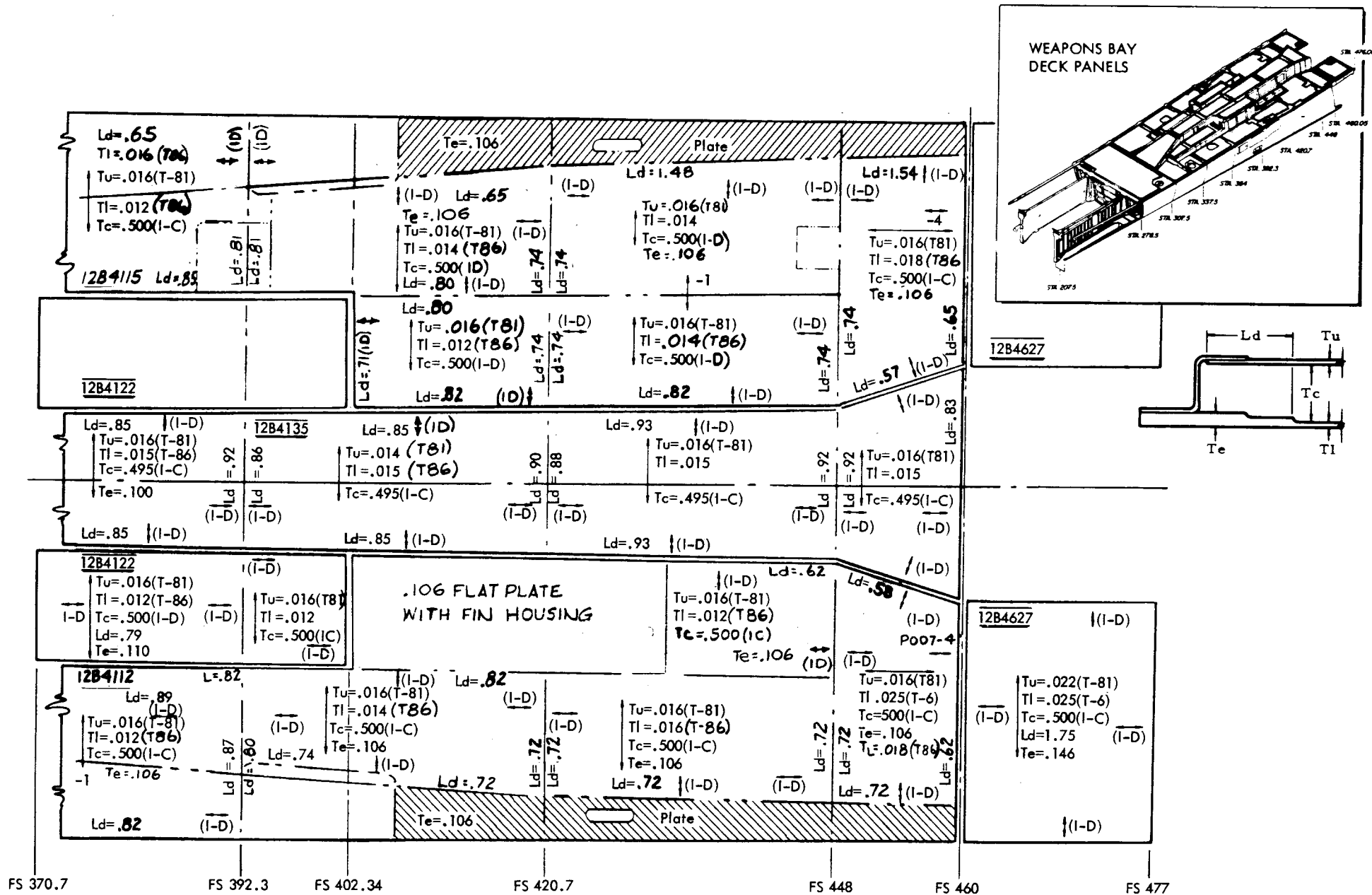
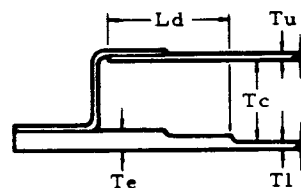


Figure 3-46 F-111A WEAPONS BAY DECK PANELS - FS 370.7-FS 477



FS
333.5

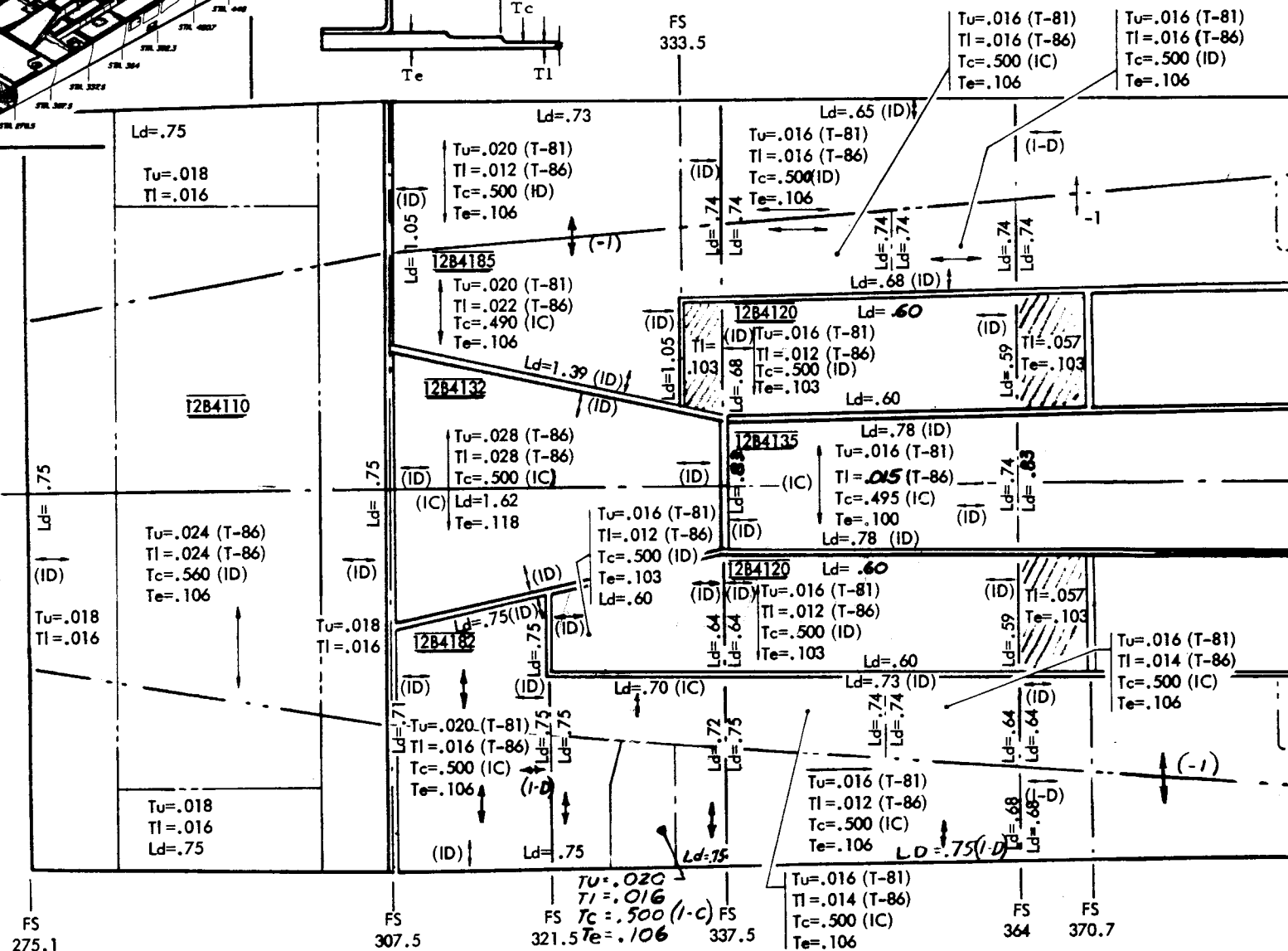


Figure 3-47 F-111E/FB-111 WEAPONS BAY DECK PANELS - FS 370.7-FS 477

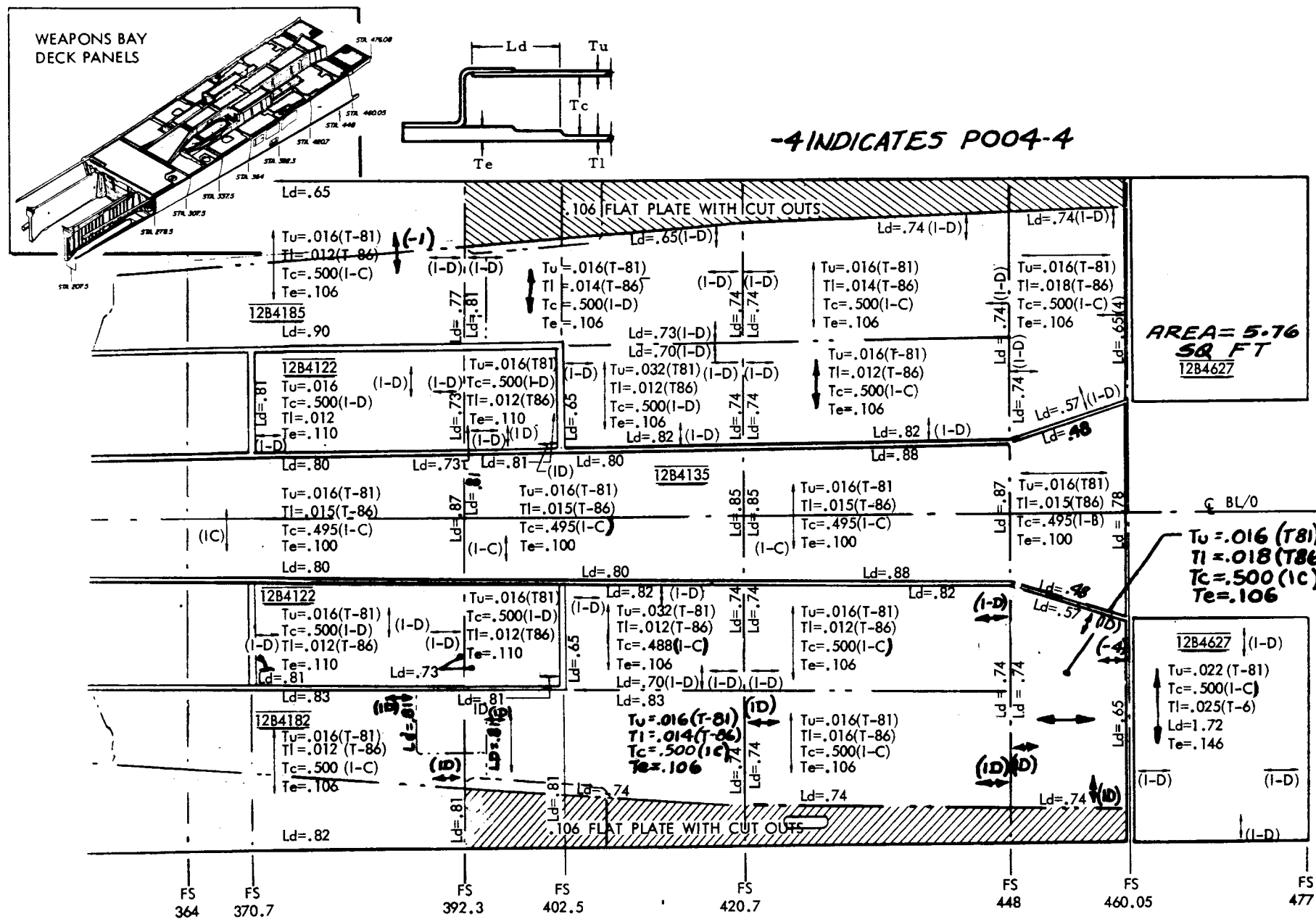


Figure 3-48 F-111E/FB-111 WEAPONS BAY DECK PANELS - FS 375.1- 370.7

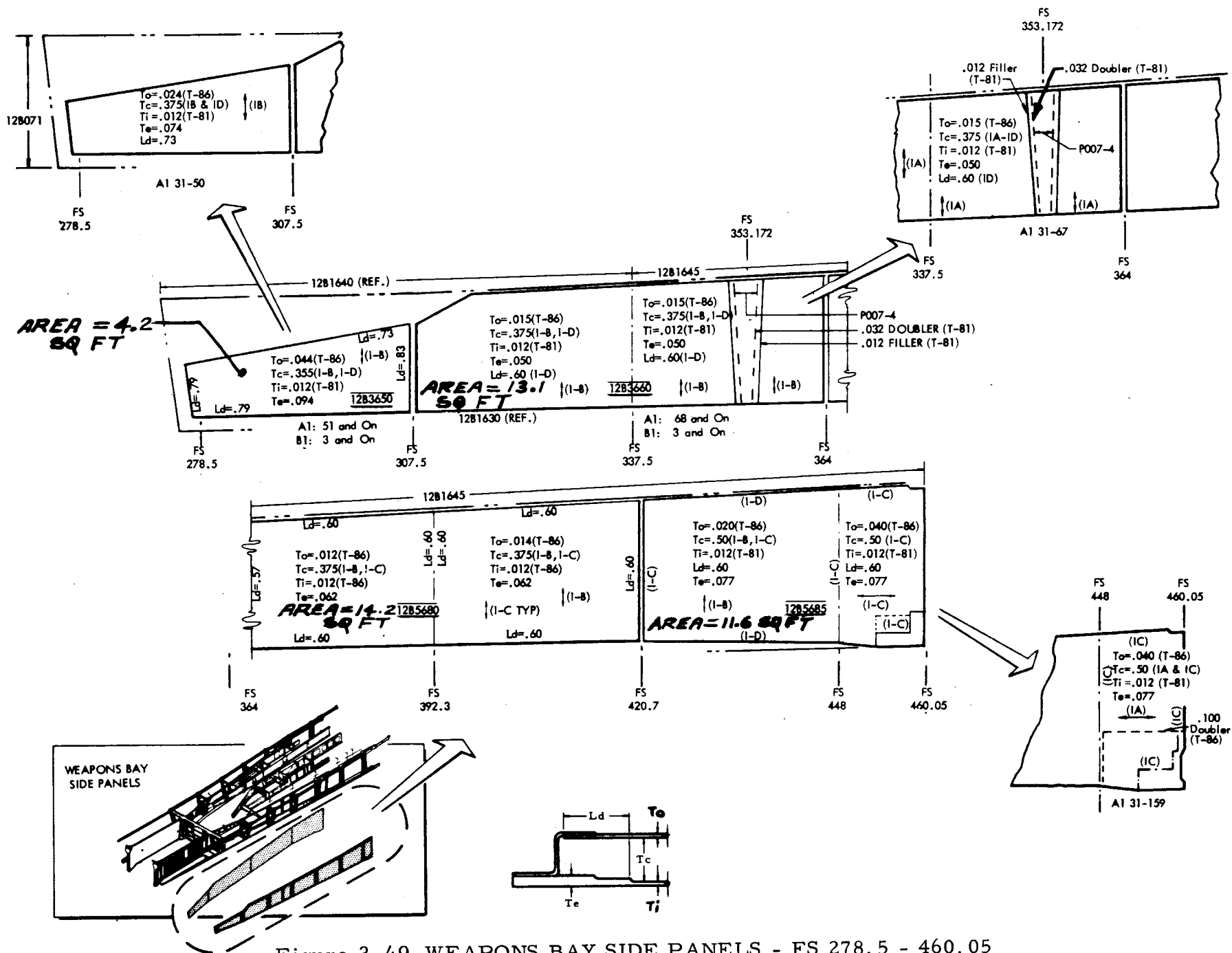


Figure 3-49 WEAPONS BAY SIDE PANELS - FS 278.5 - 460.05

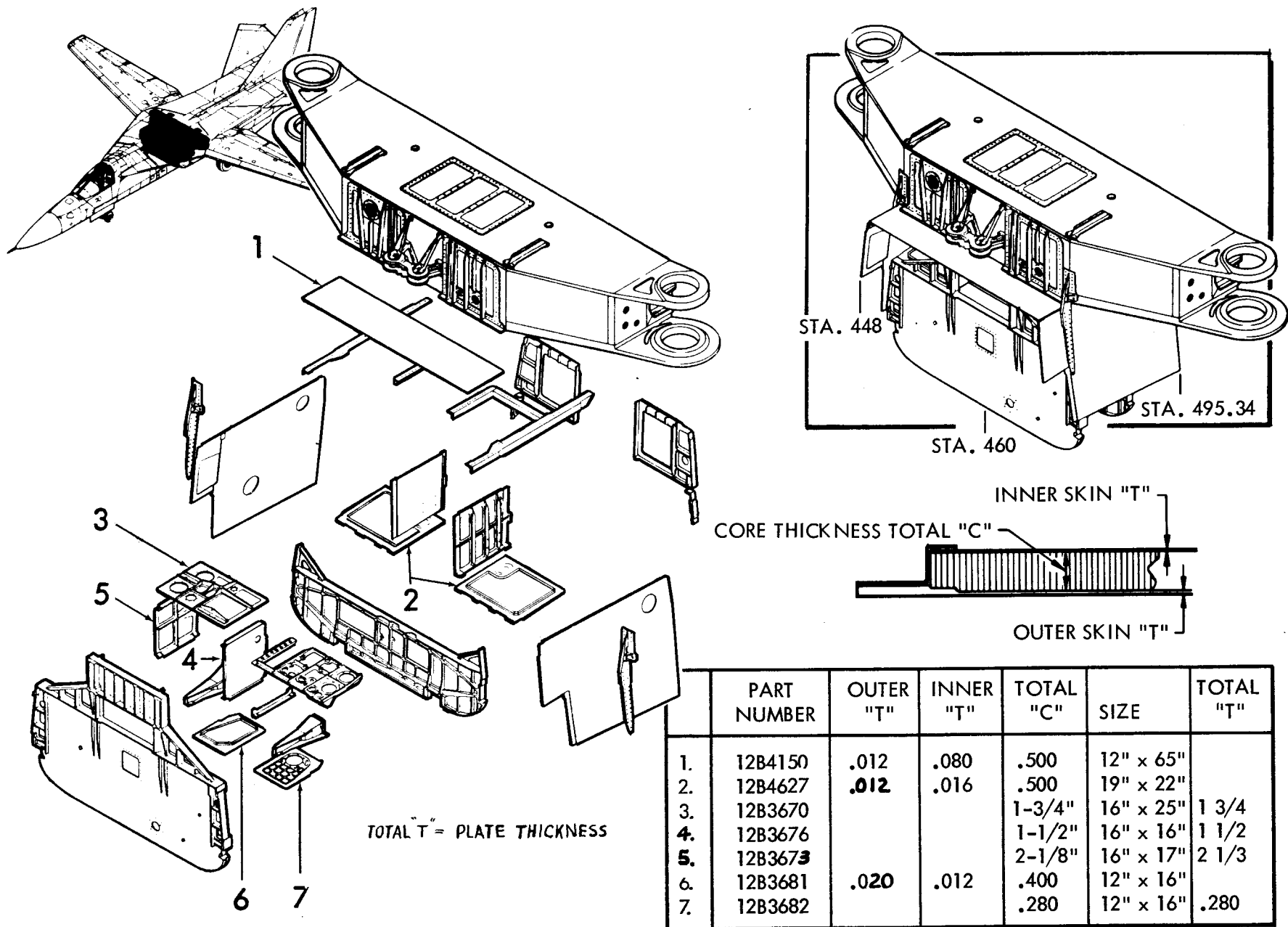


Figure 3-50 FORWARD CENTER FUSELAGE AFT TANK SUBASSEMBLY

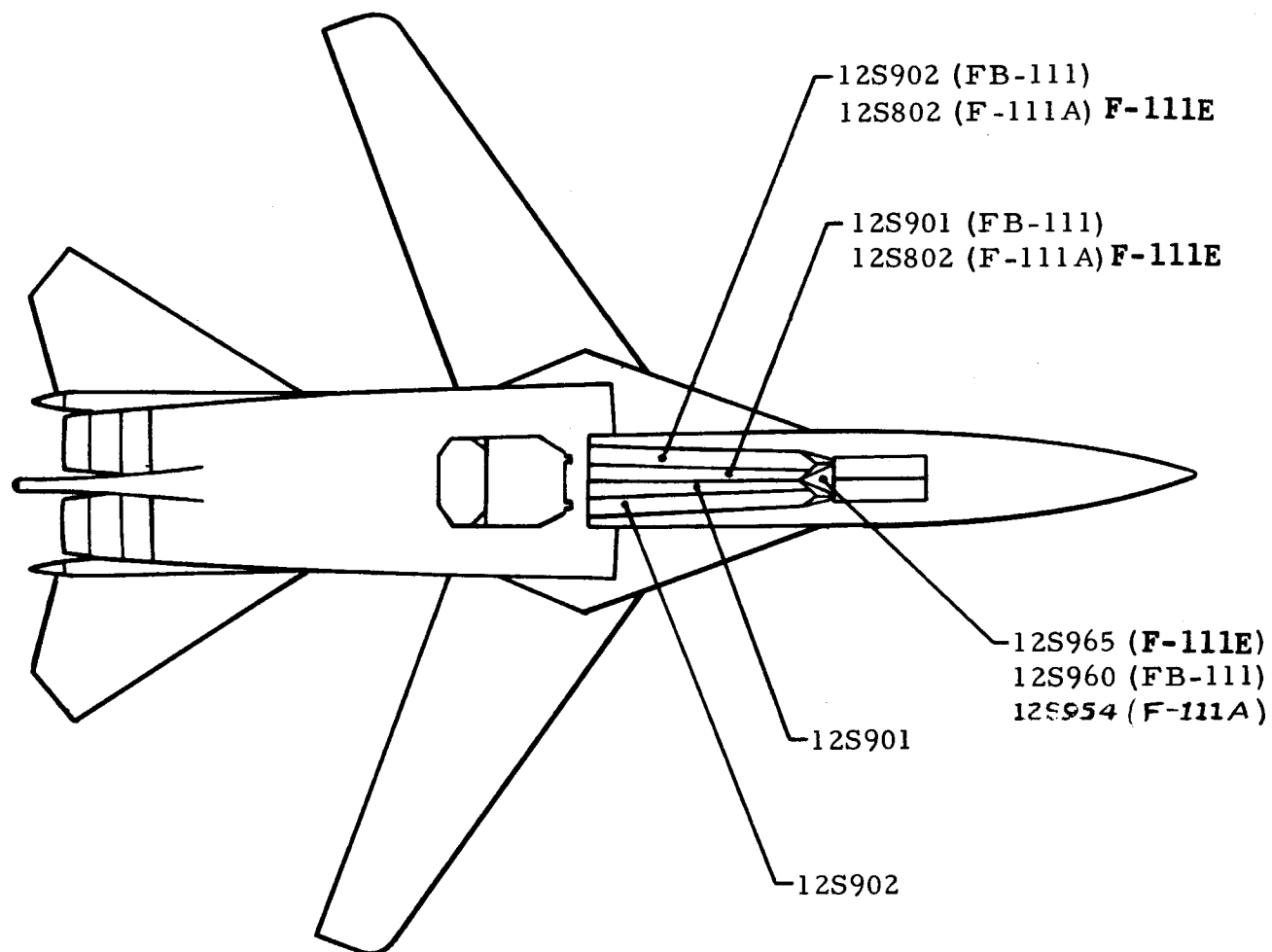


Figure 3-51

WEAPONS BAY DOORS

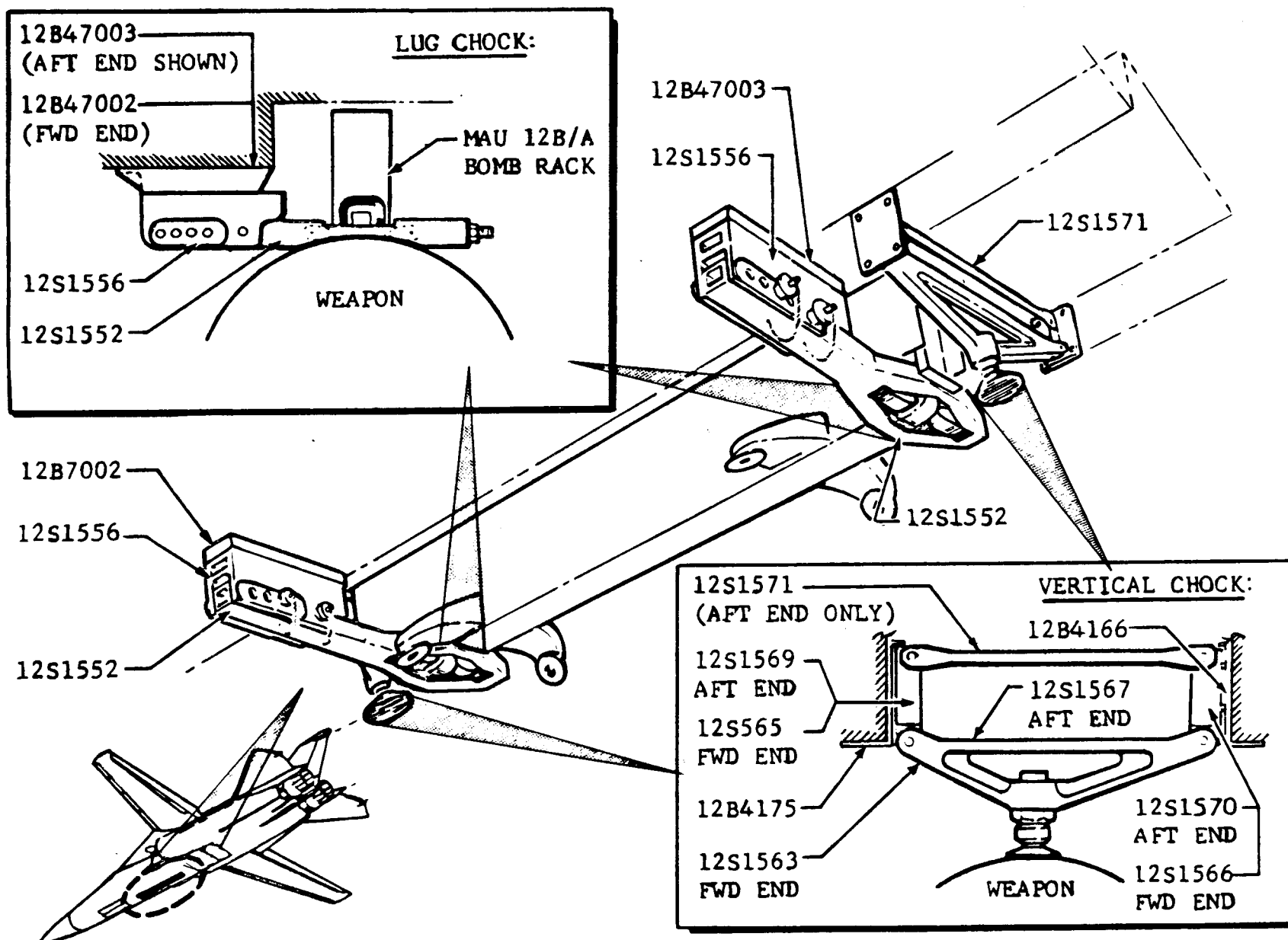


FIGURE 3-51A FB-111A WEAPONS BAY LUG CHOCK FITTINGS

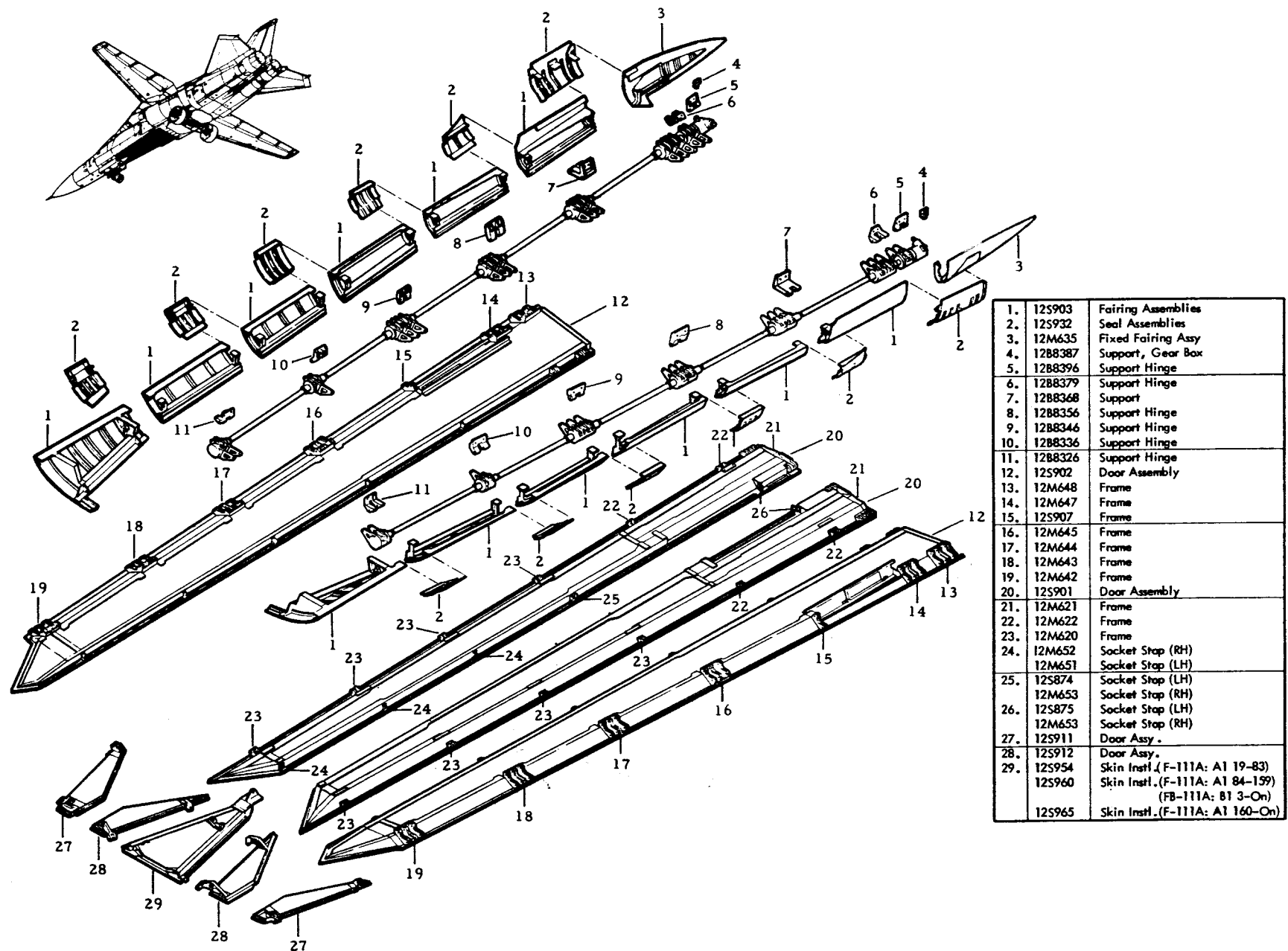


Figure 3-52 POWER HINGE, FAIRING AND WEAPONS BAY DOORS

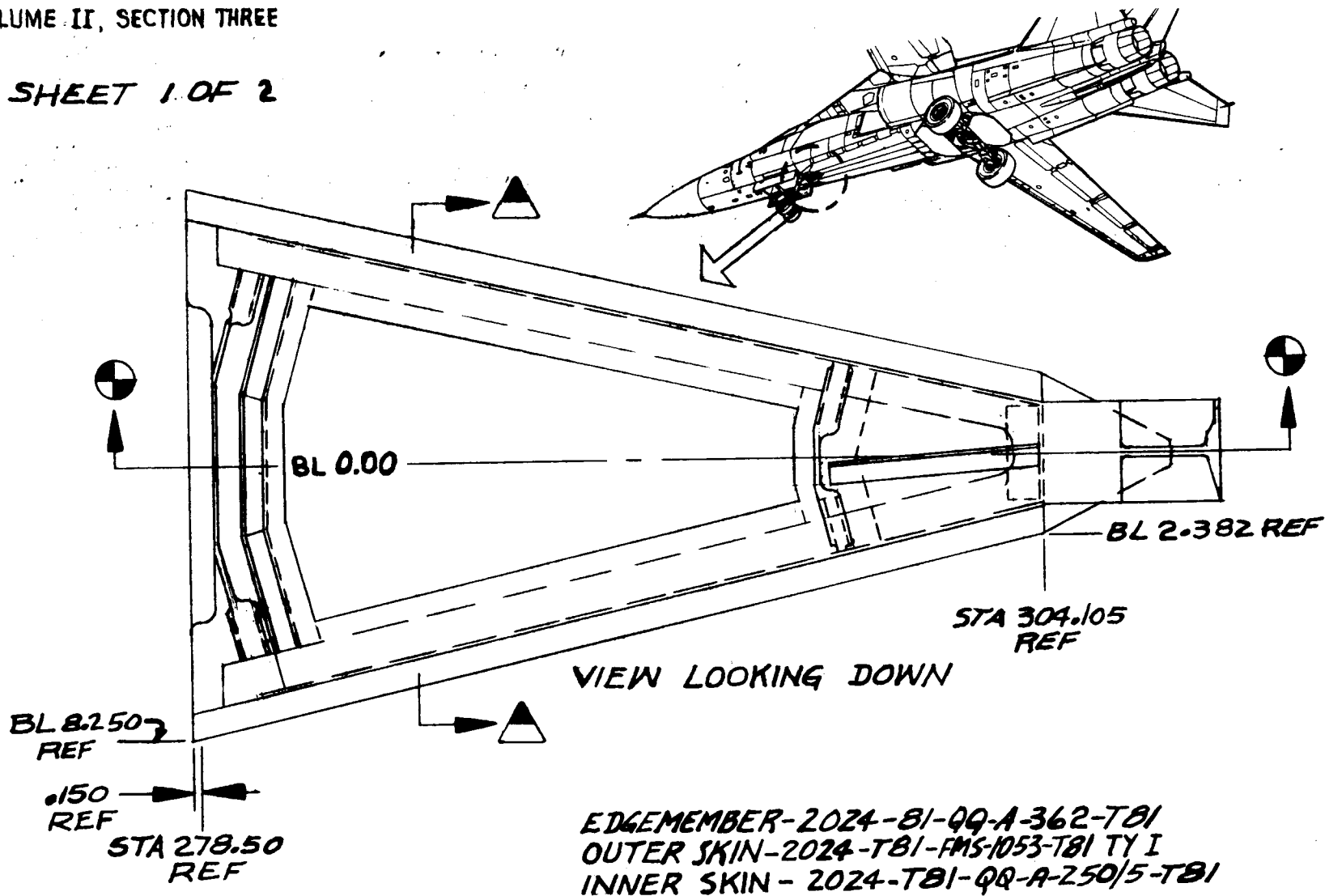


FIGURE 3-53

F-111A
 125954 - SKIN INSTALLATION - BONDED, CENTER
 WEAPONS BAY, FORWARD

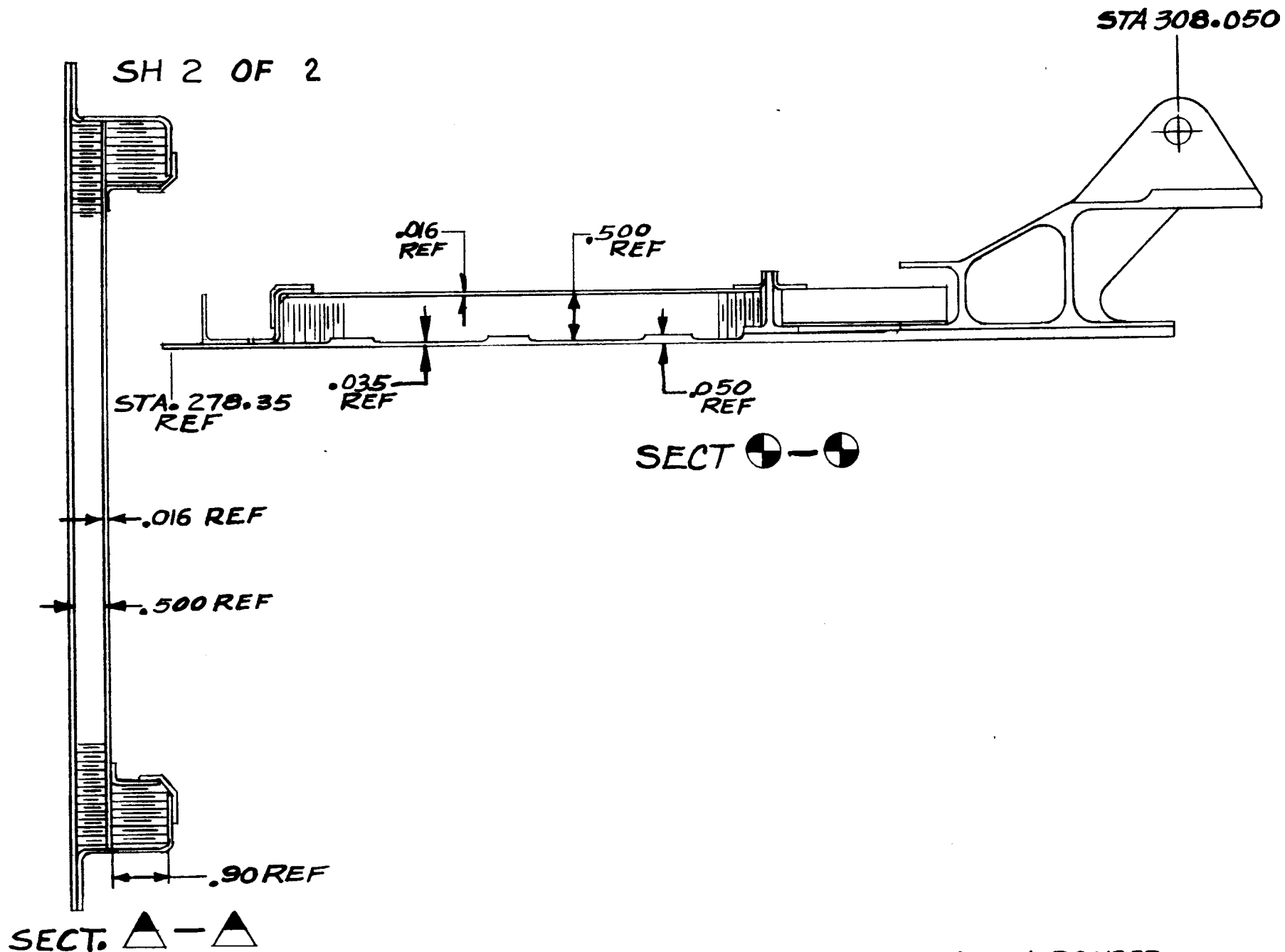
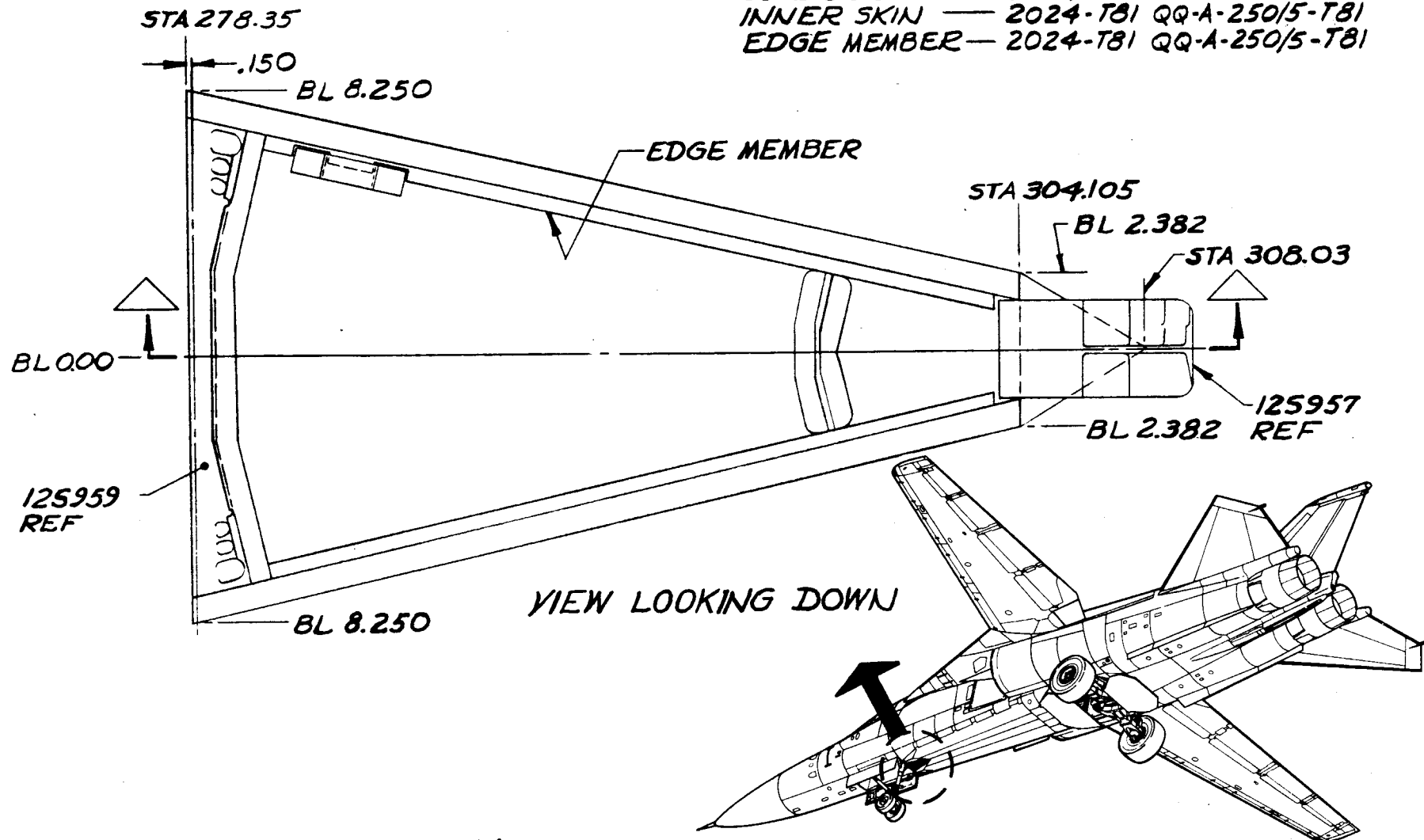


FIGURE 3-54 F-111A-12S954-SKIN INSTALLATION-BONDED,
CENTER, WEAPONS BAY, FWD

(SHEET 1 OF 2)

MATERIAL:

OUTER SKIN — 2024-T81 FMS-1053-T81 TYPE I
 INNER SKIN — 2024-T81 QQ-A-250/5-T81
 EDGE MEMBER — 2024-T81 QQ-A-250/5-T81



FB-111A

Figure 3-55 12S960 - SKIN INSTALLATION - BONDED, CENTER, WEAPONS BAY, FORWARD

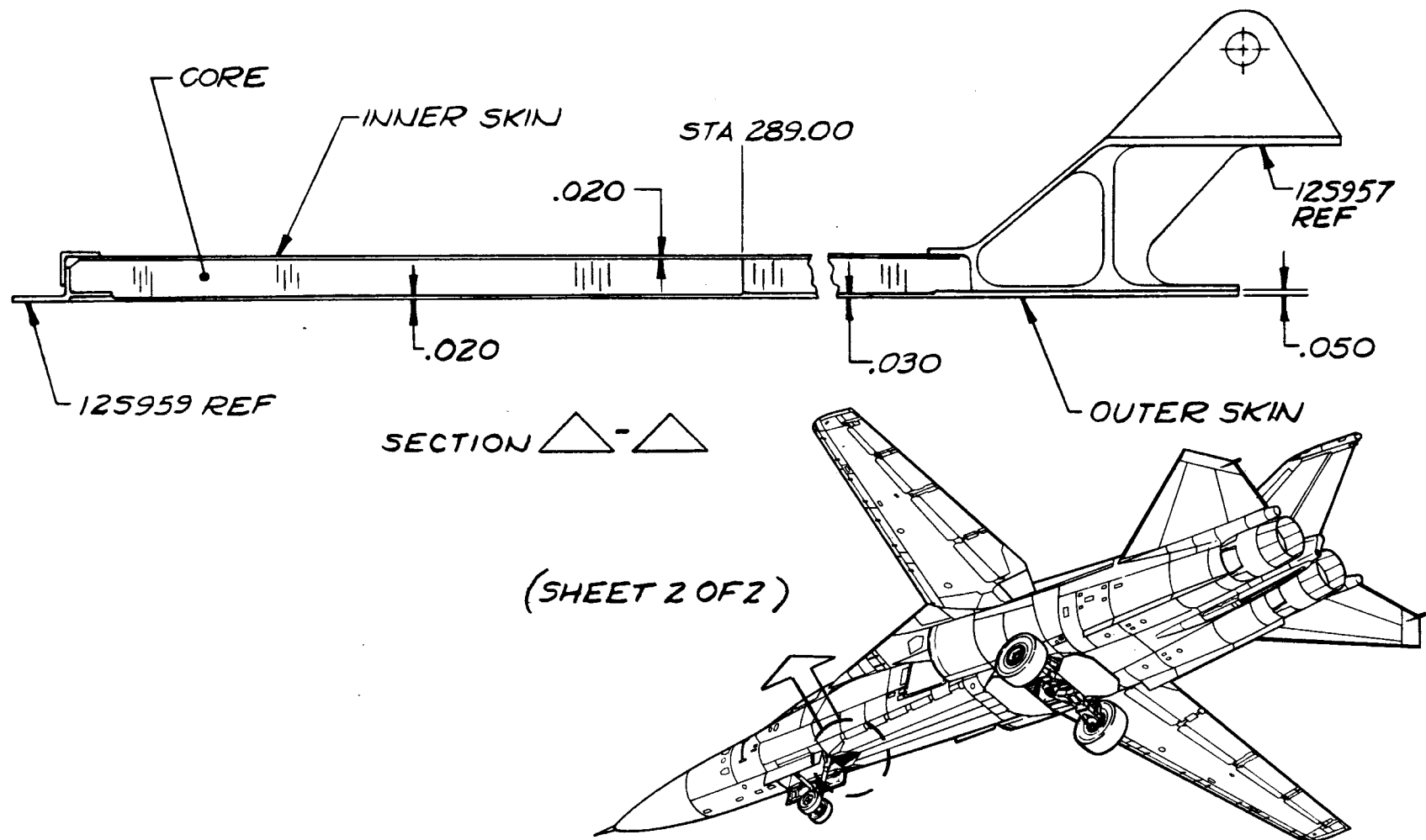


Figure 3-56 FB-111A
12S960 - SKIN INSTALLATION - BONDED, CENTER, WEAPONS
BAY, FORWARD

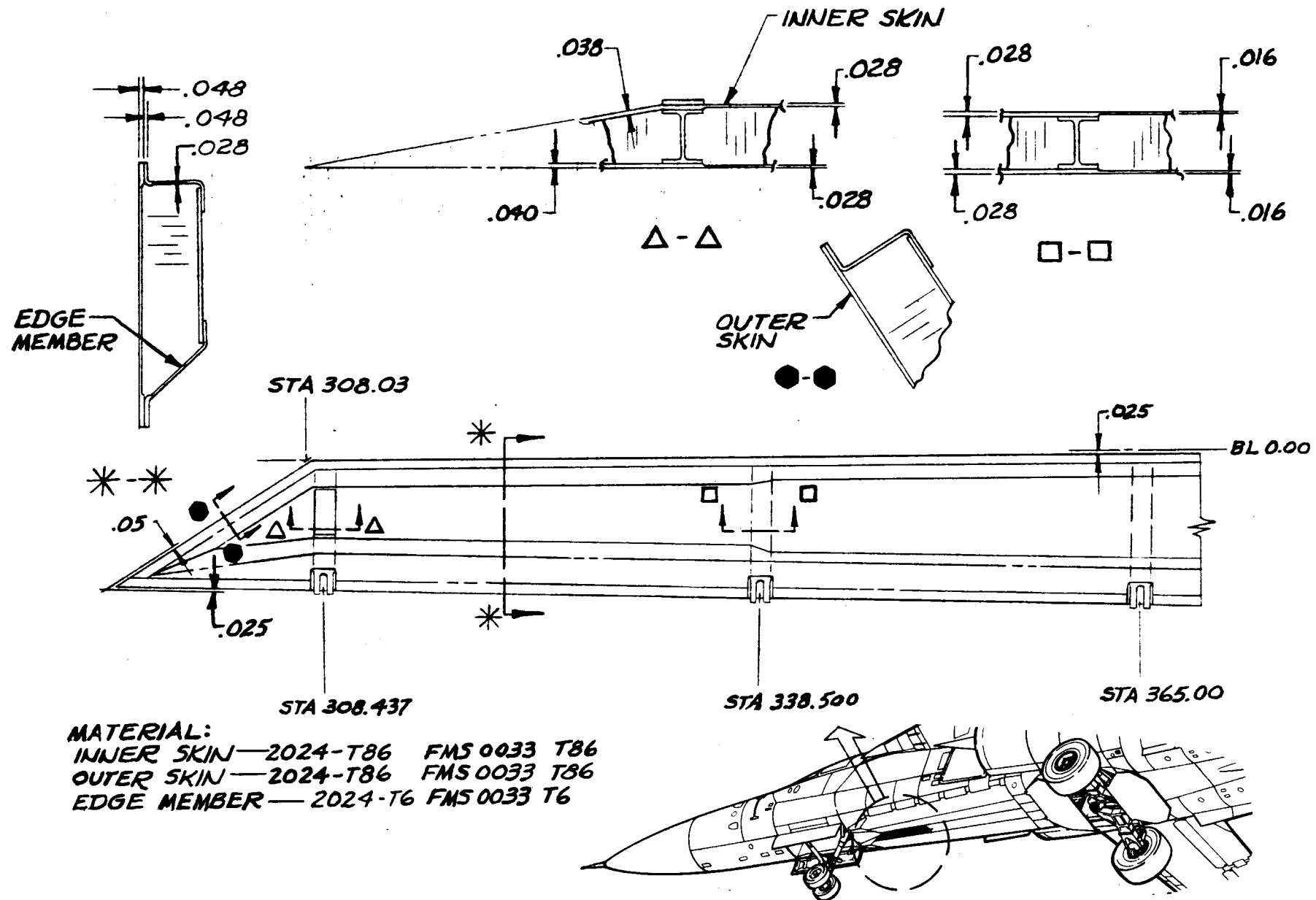


Figure 3-57 12S901 DOOR, LOWER - WEAPONS BAY, ASSEMBLY OF
(FWD END)

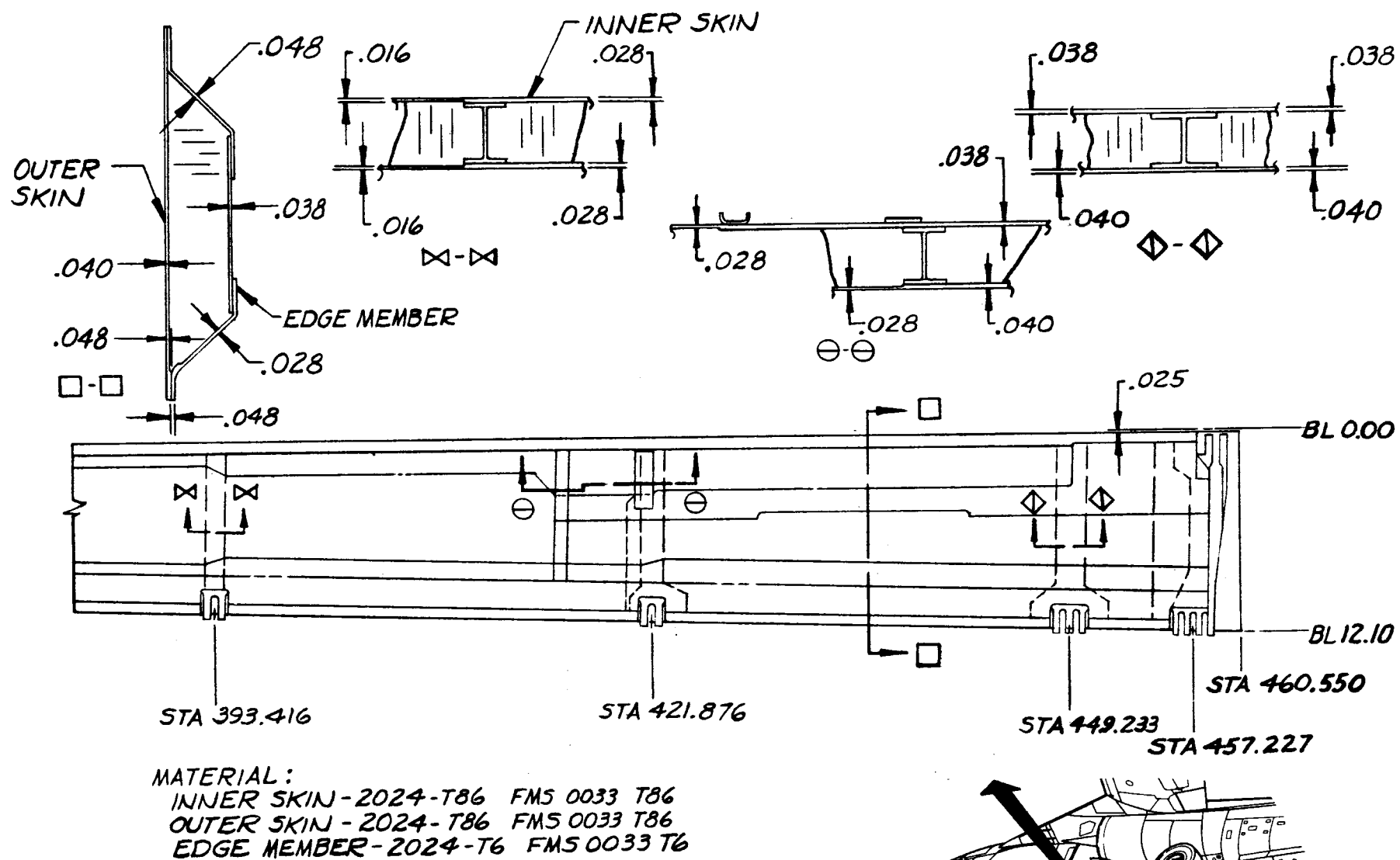


Figure 3-58 12S901 DOOR, LOWER - WEAPONS BAY, ASSEMBLY OF (AFT END)

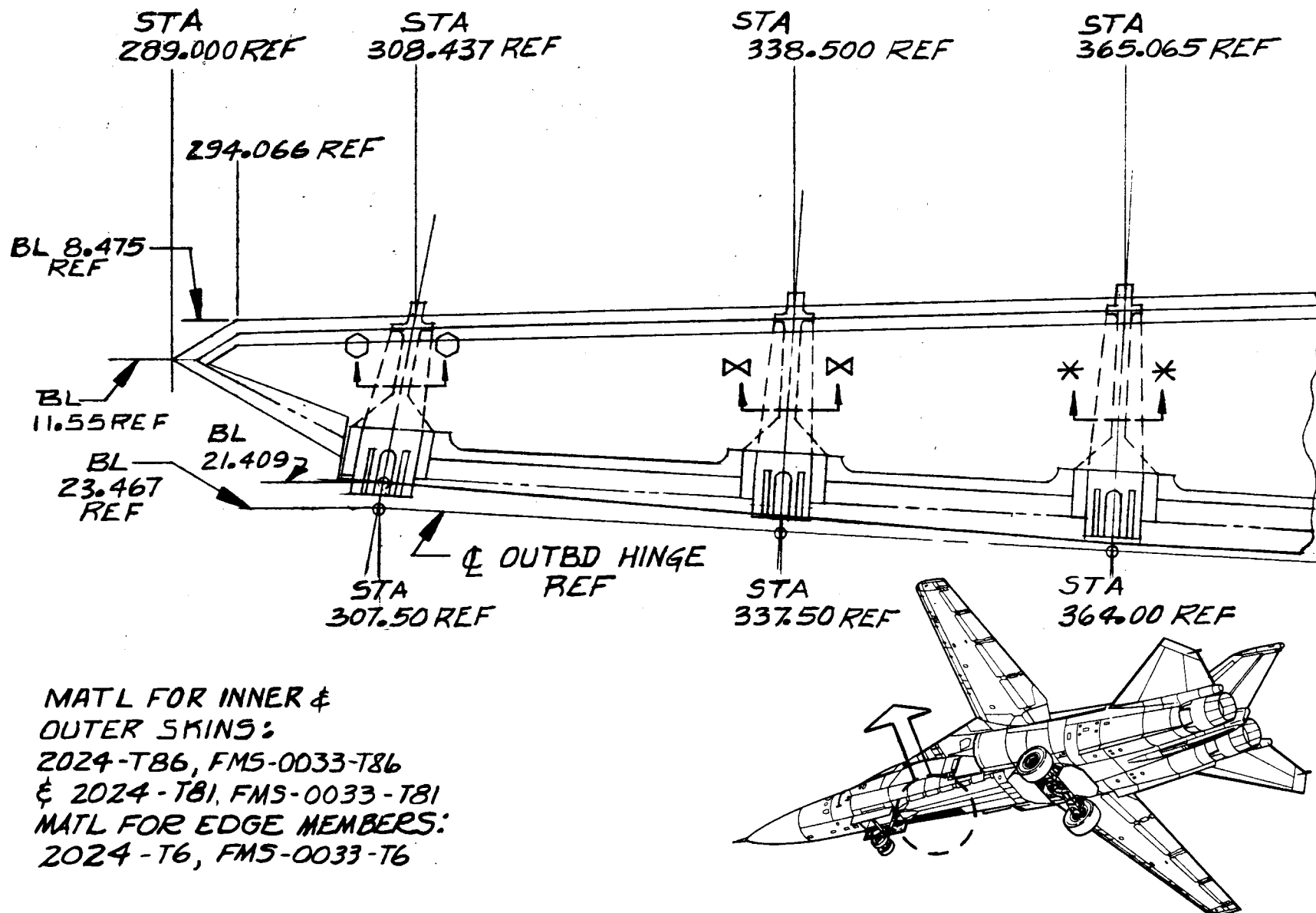
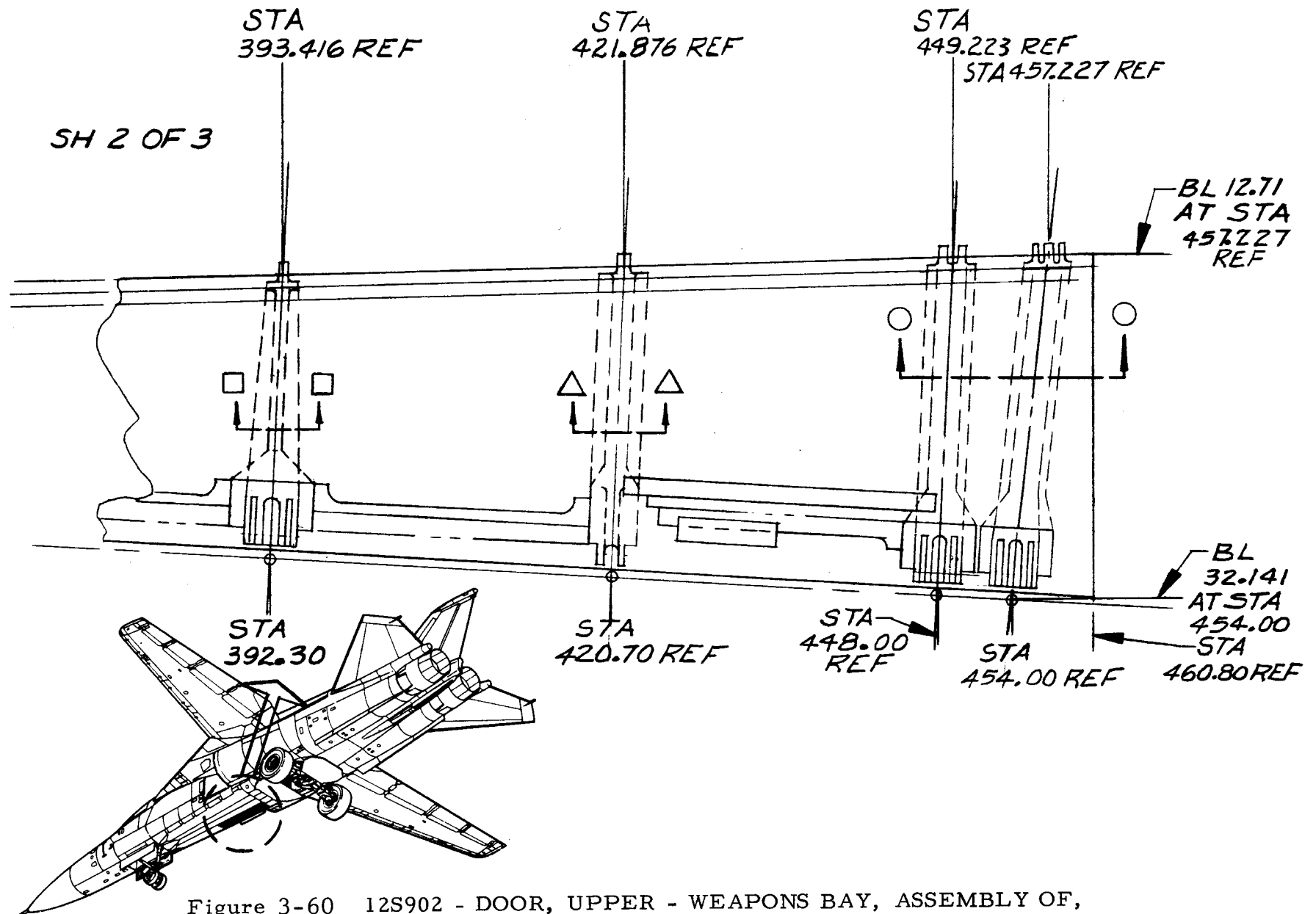


Figure 3-59 12S902 - DOOR, UPPER - WEAPONS BAY, ASSEMBLY OF,
 PLAN VIEW



SH 3 OF 3

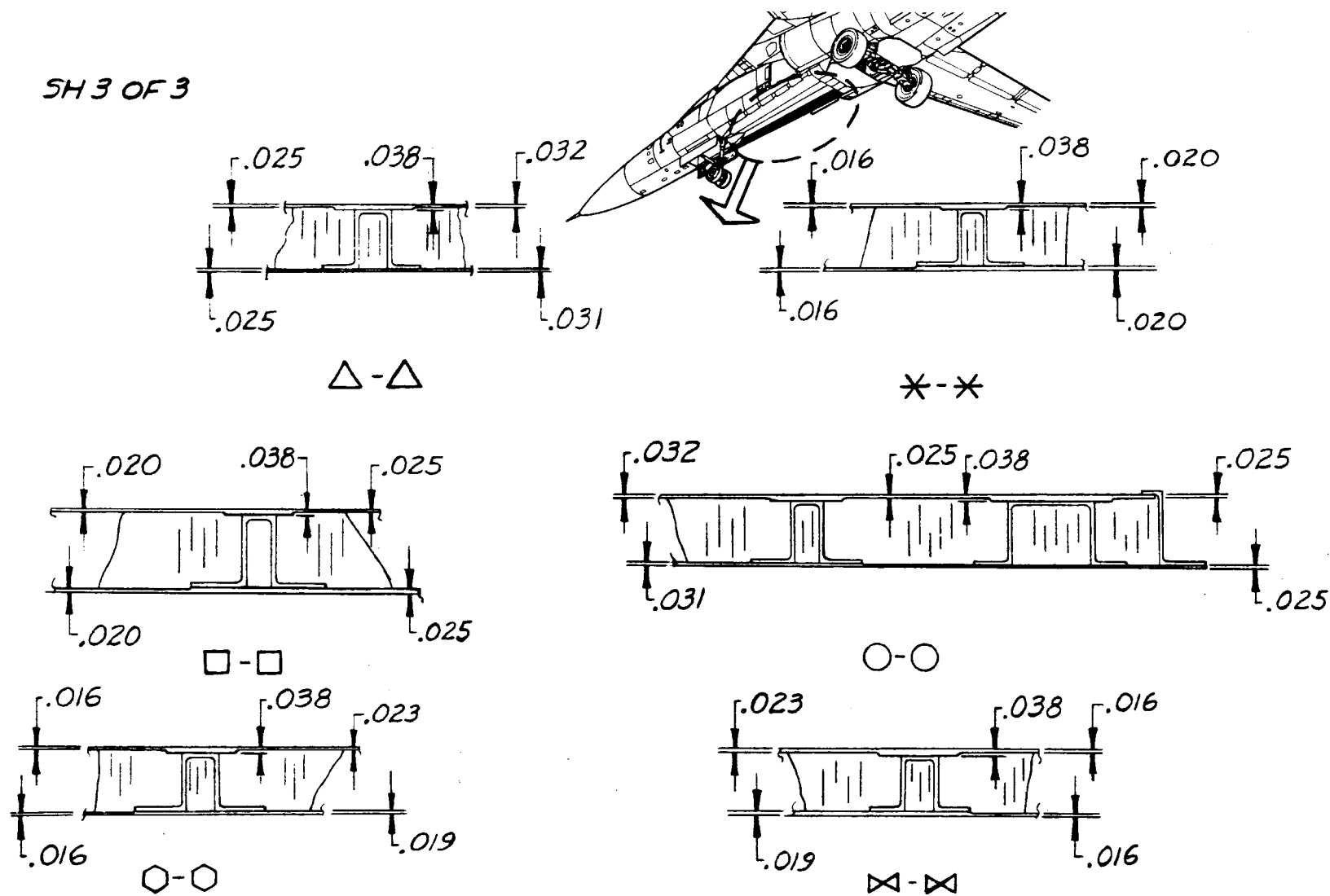


Figure 3-61 12S902 - DOOR, UPPER - WEAPONS BAY,
ASSEMBLY OF PLAN VIEW

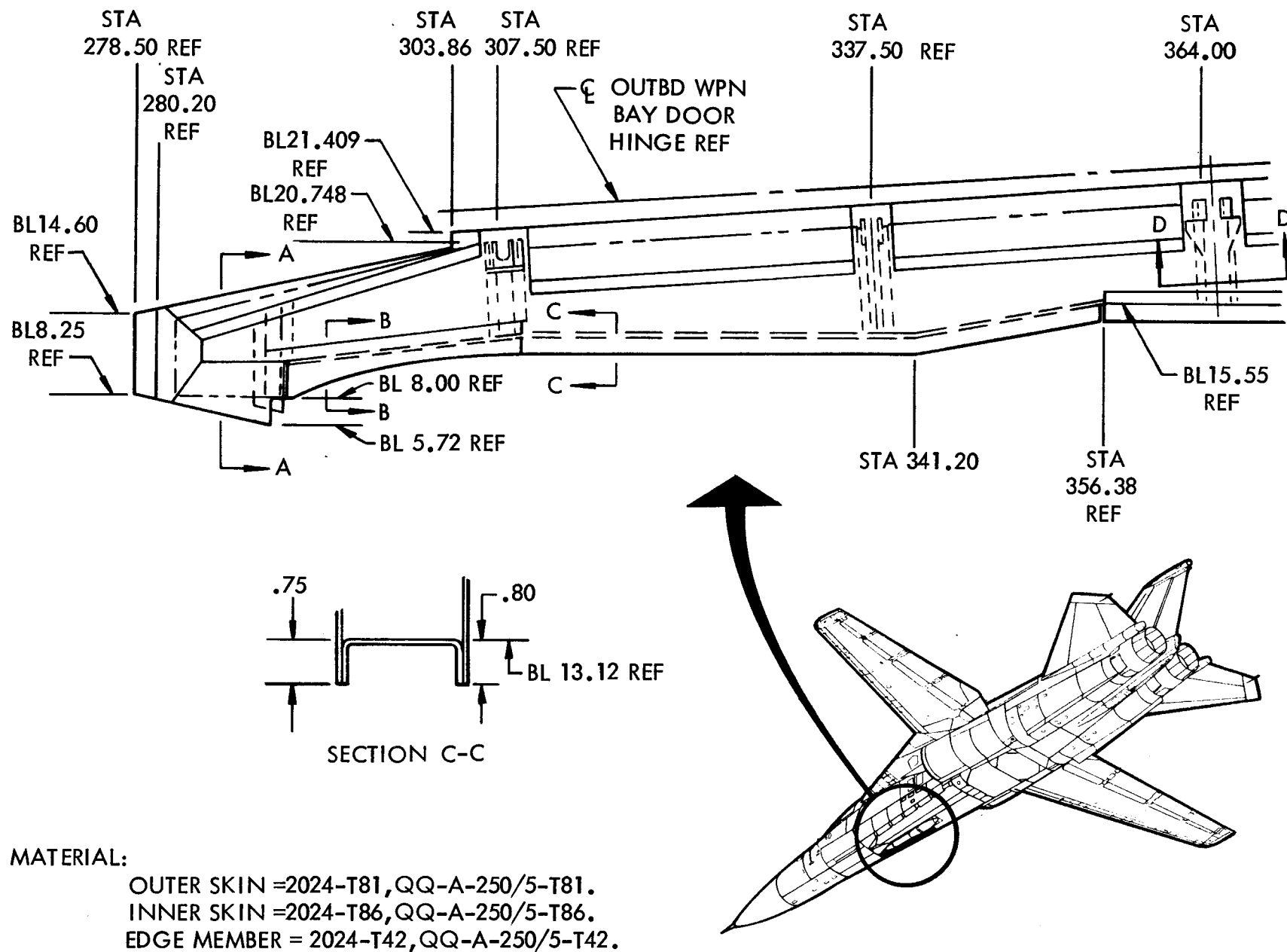


Figure 3-62 12S802 - FAIRING - WEAPONS BAY GUN, ASSEMBLY OF (F-111E & F-111A)

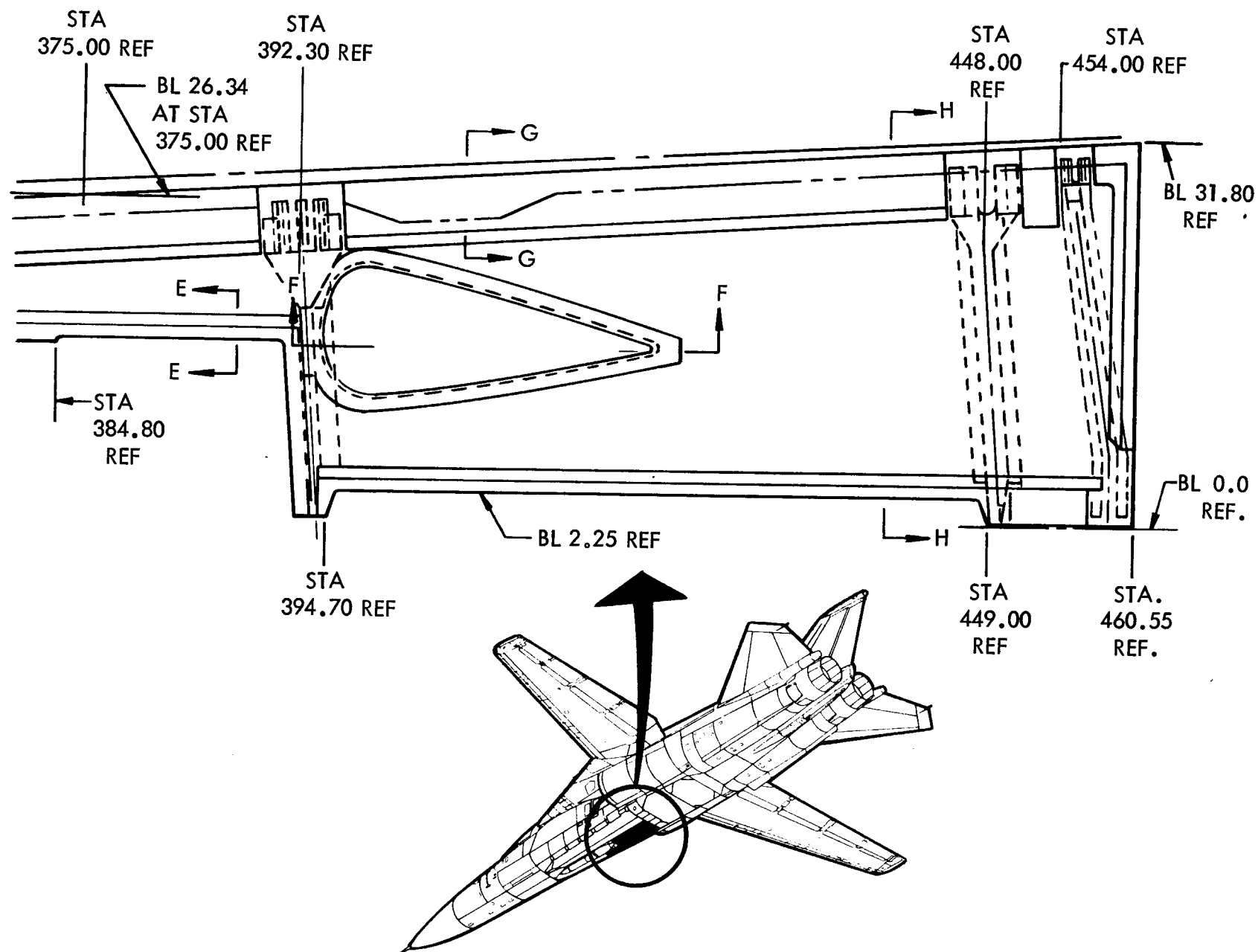


Figure 3-63 FAIRING - WEAPONS BAY GUN, ASSEMBLY OF (F-111E & F-111A)

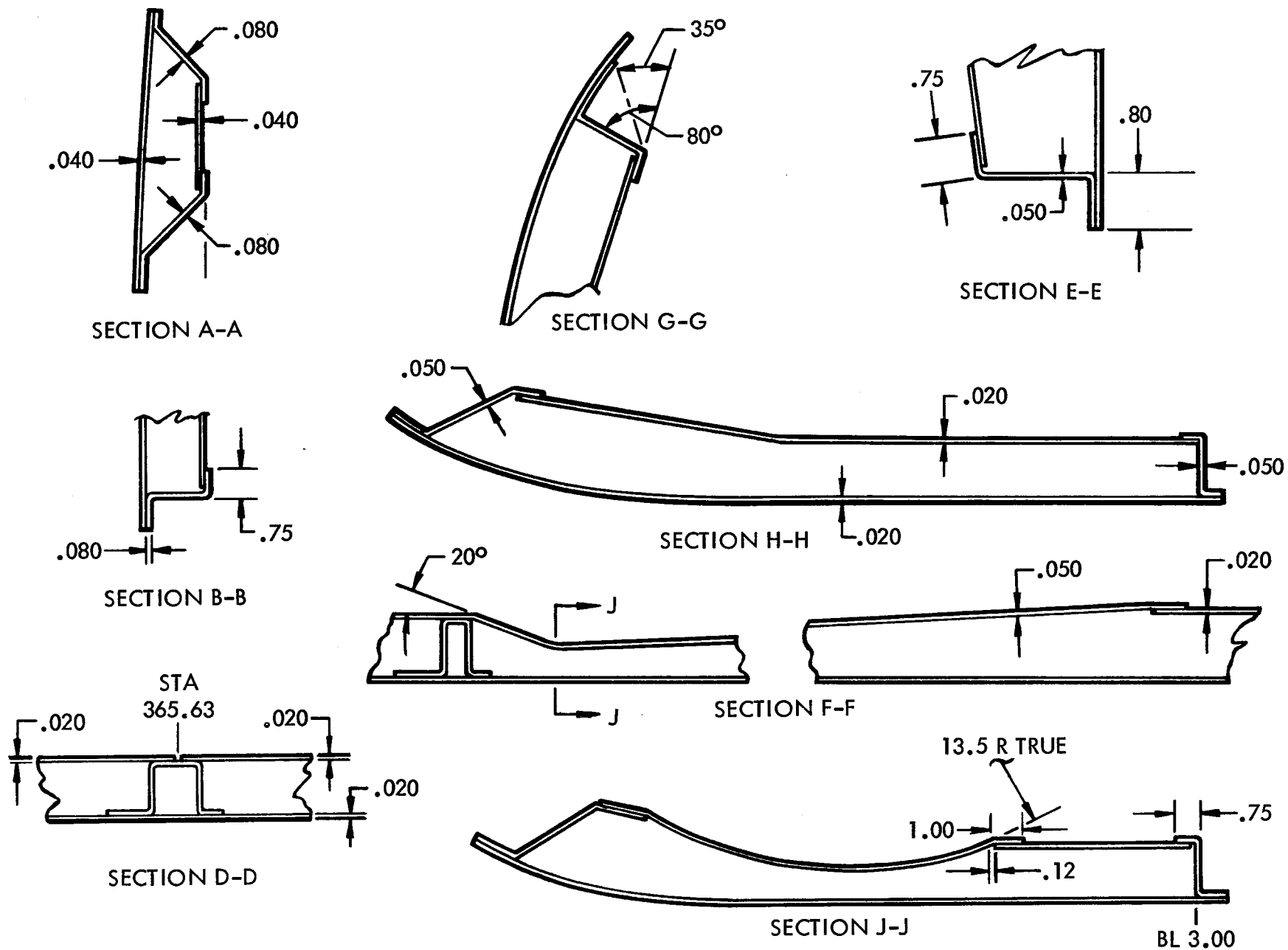


Figure 3-64 12S802 - FAIRING, WEAPONS BAY GUN, ASSEMBLY OF (F-111E & F-111A)

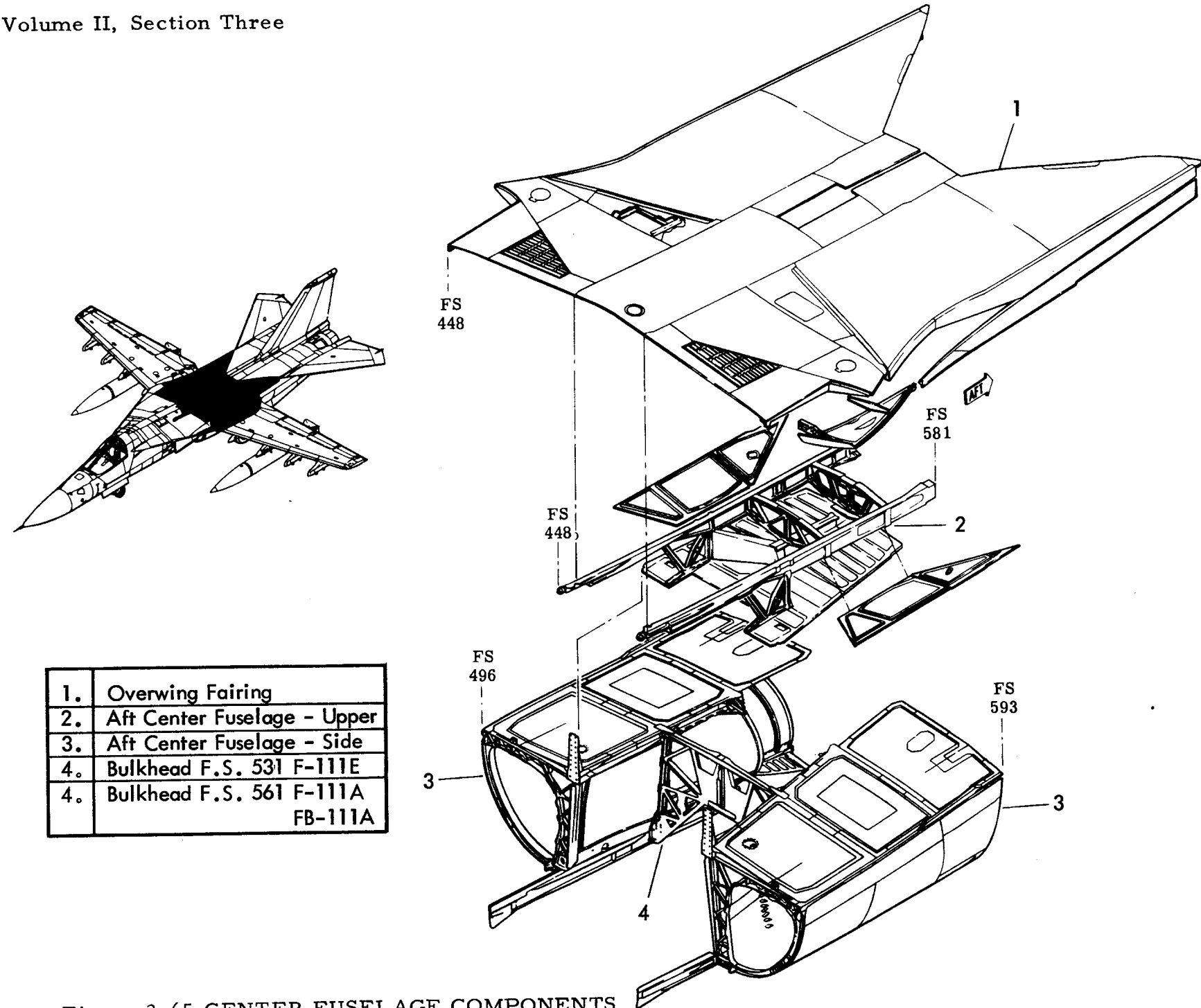


Figure 3-65 CENTER FUSELAGE COMPONENTS

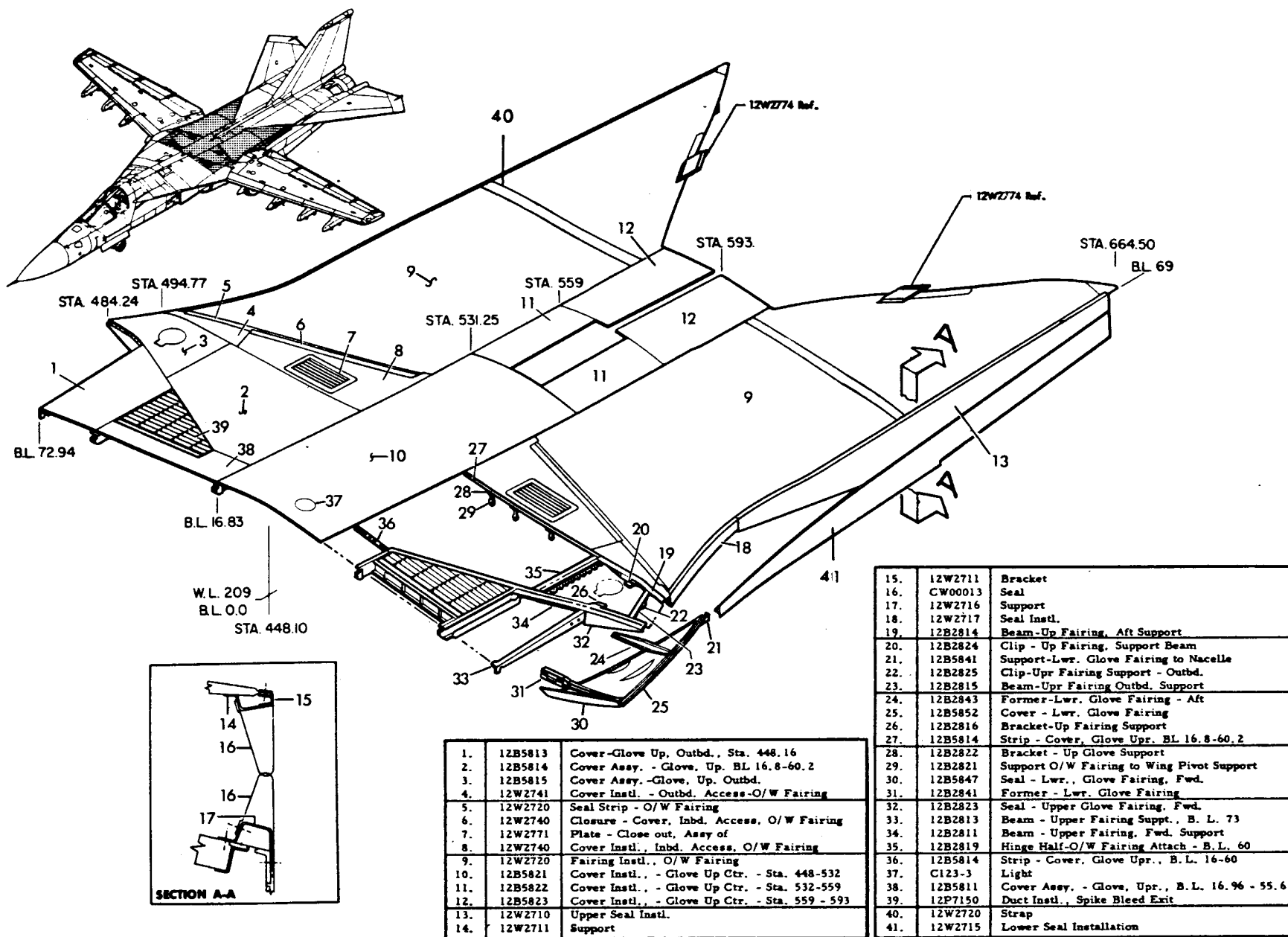


Figure 3-66 UPPER FUSELAGE PANELS AND OVERWING FAIRING (F-111A: 31-159)

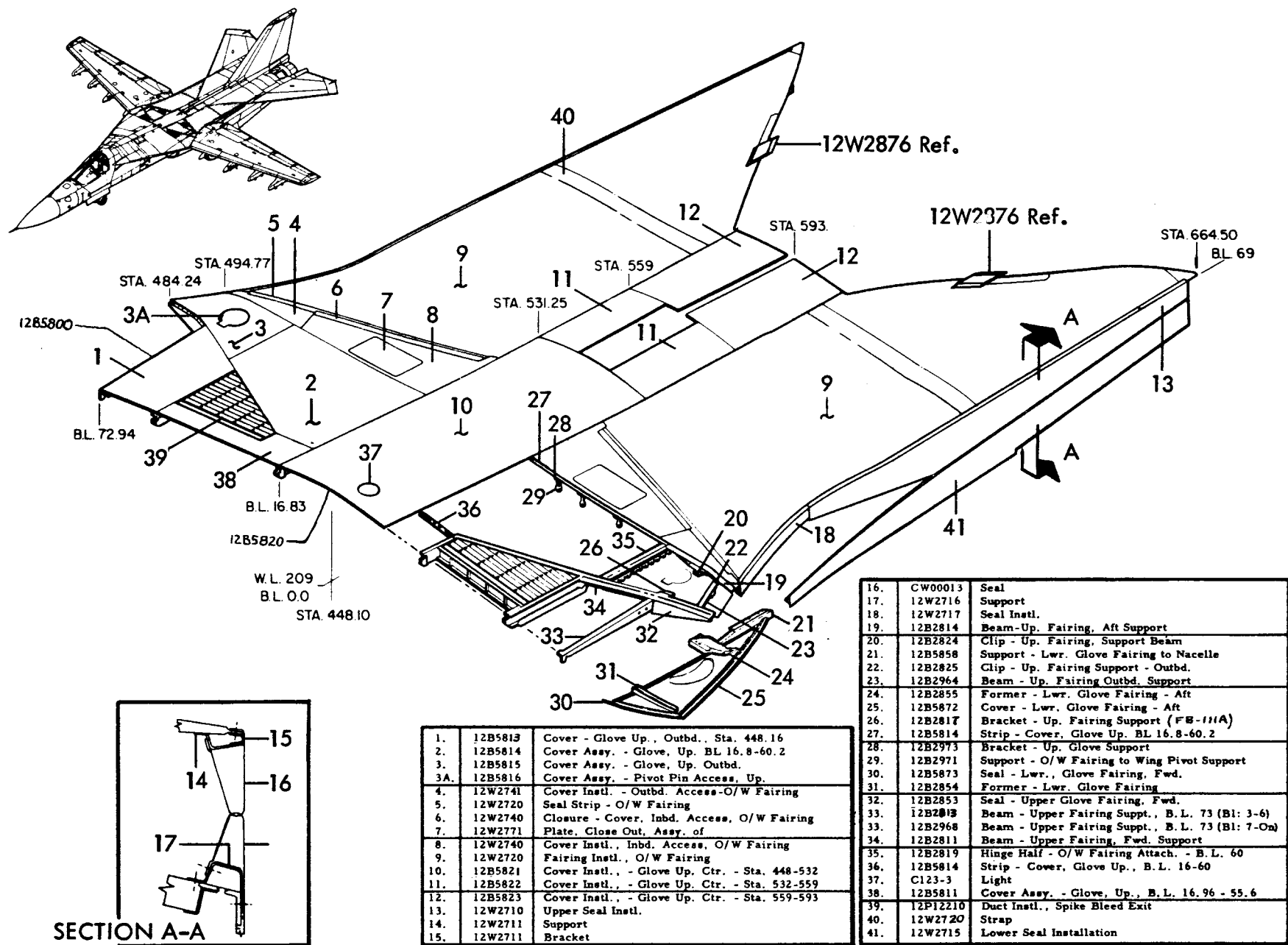


Figure 3-66A UPPER FUSELAGE PANELS AND OVERWING FAIRING

F-111E(A1:160 & On) FB-111A: 3 & On

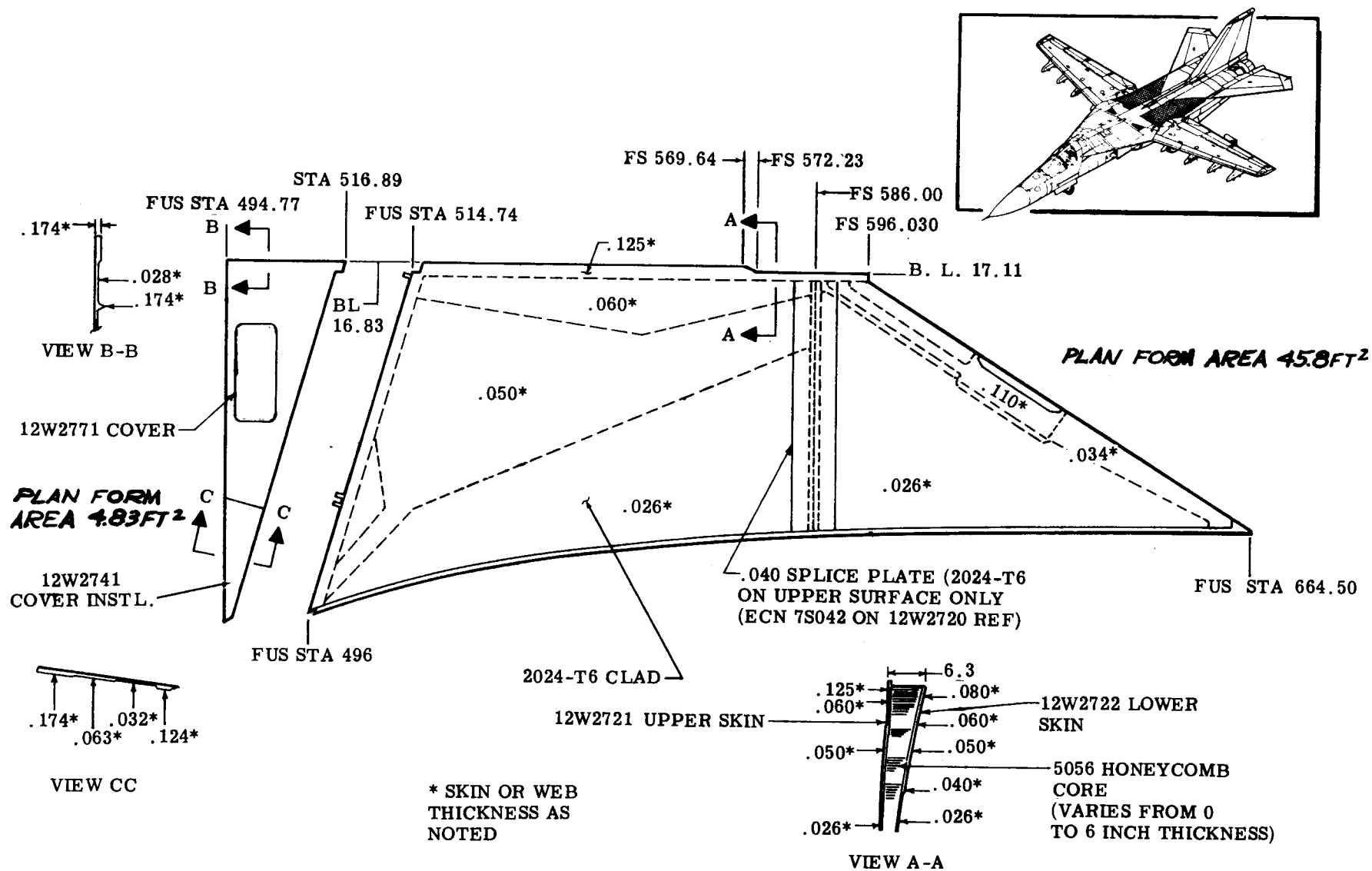


Figure 3-67 OVERWING FAIRING ACCESS PANELS

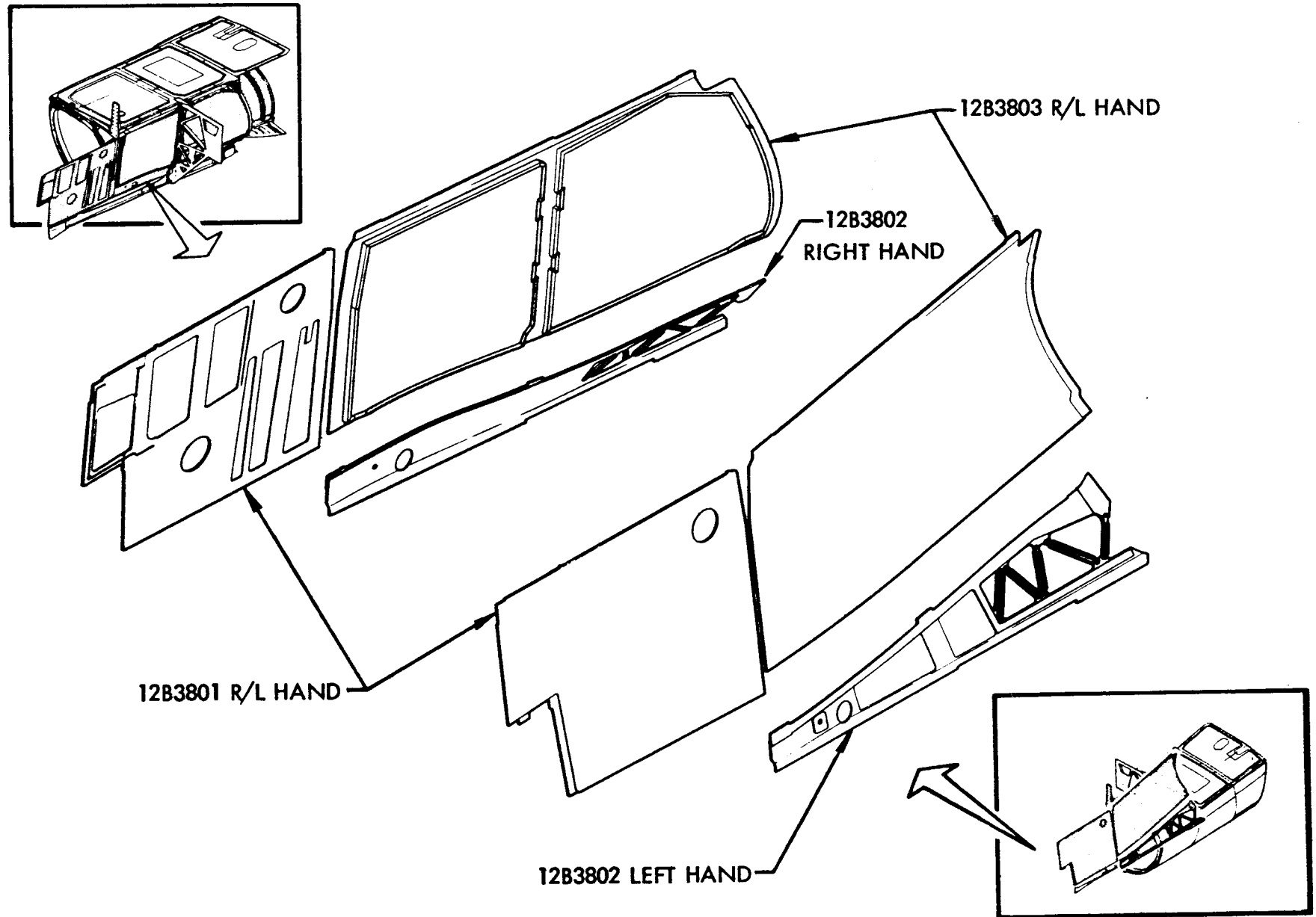
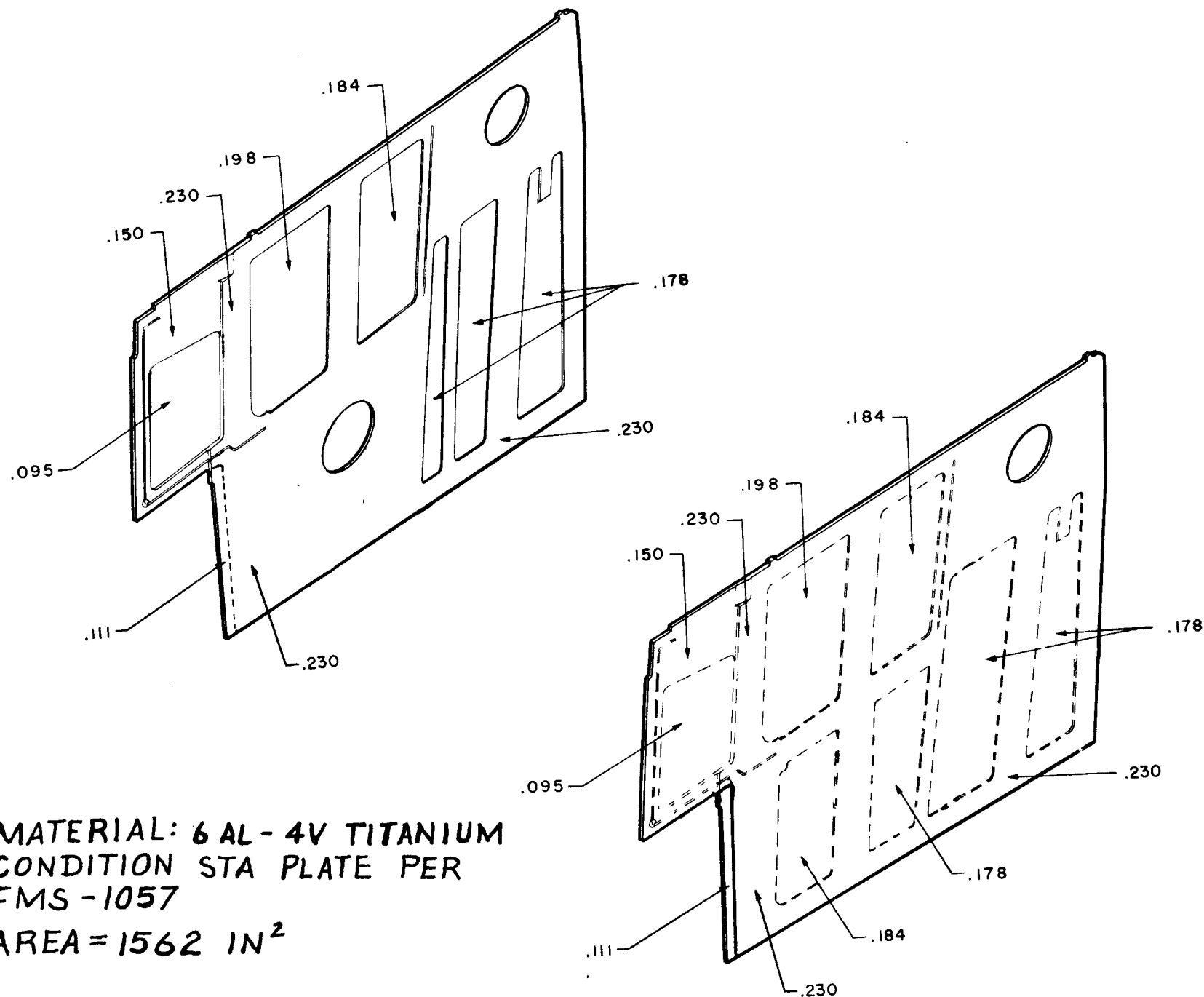


Figure 3-68 SIDE SHEAR PANEL SKINS



MATERIAL: 6 AL-4V TITANIUM
 CONDITION STA PLATE PER
 FMS-1057
 AREA = 1562 IN²

FIGURE 3-69

SKIN-SIDE SHEAR-12B3801, STA 448.0 TO STA 495.5

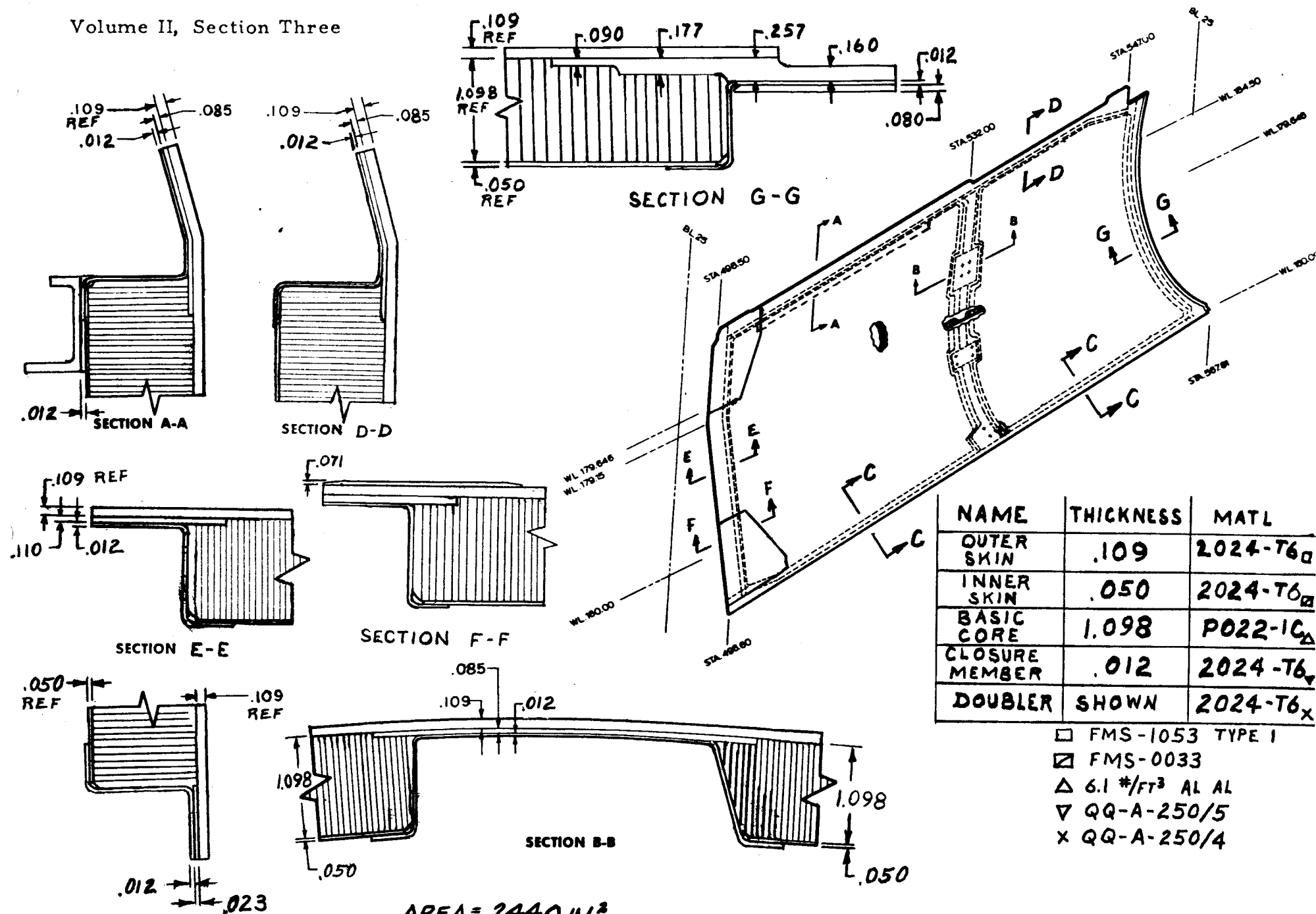


Figure 3-70 SKIN - FUSELAGE - SIDE SHEAR - 12B3803 - STA. 496.6 TO MAIN LANDING GEAR BULKHEAD

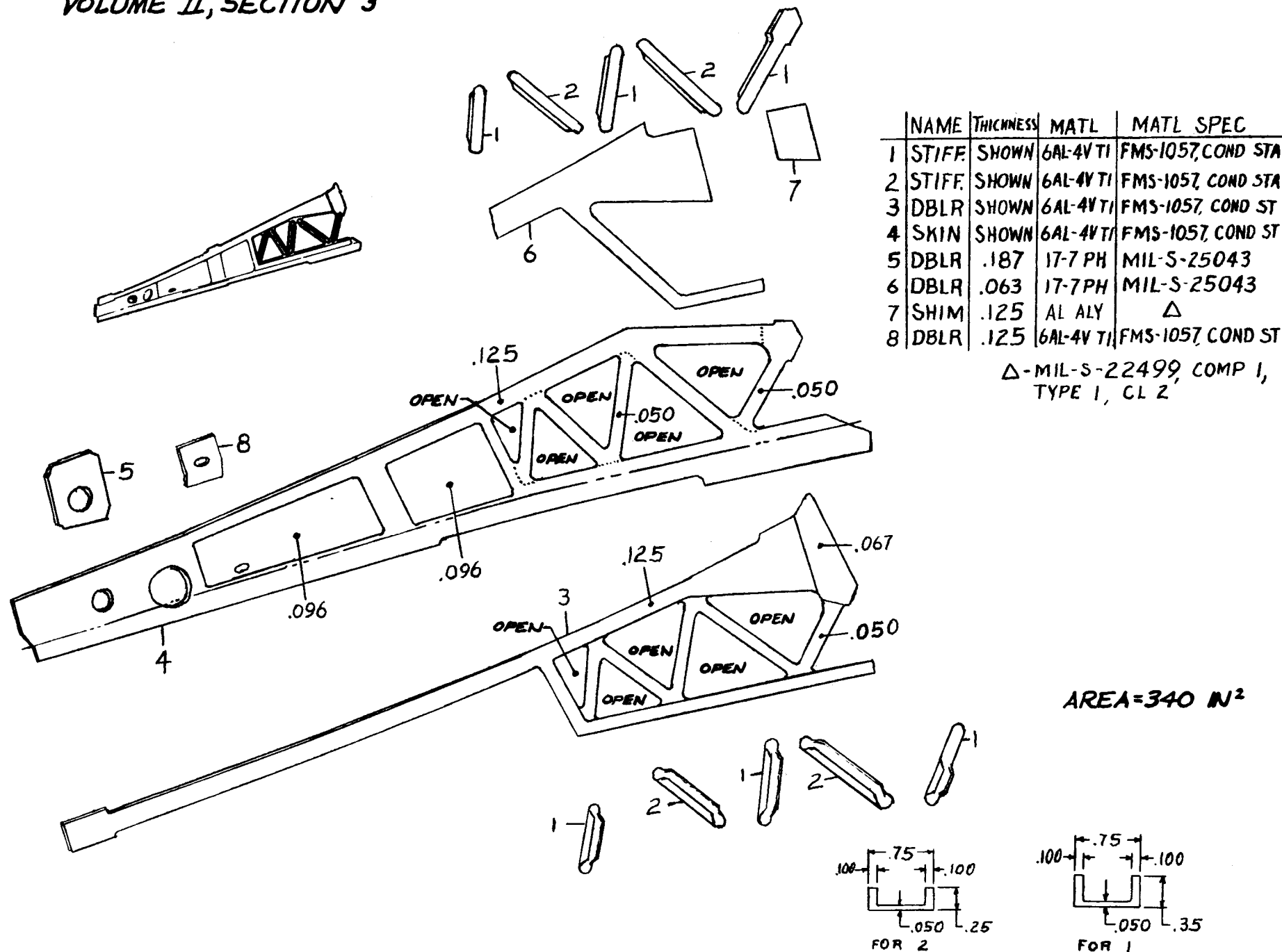


FIGURE 3-71 SKIN-SIDE SHEAR-12B3802 - STA 499.51 TO MLG BHD

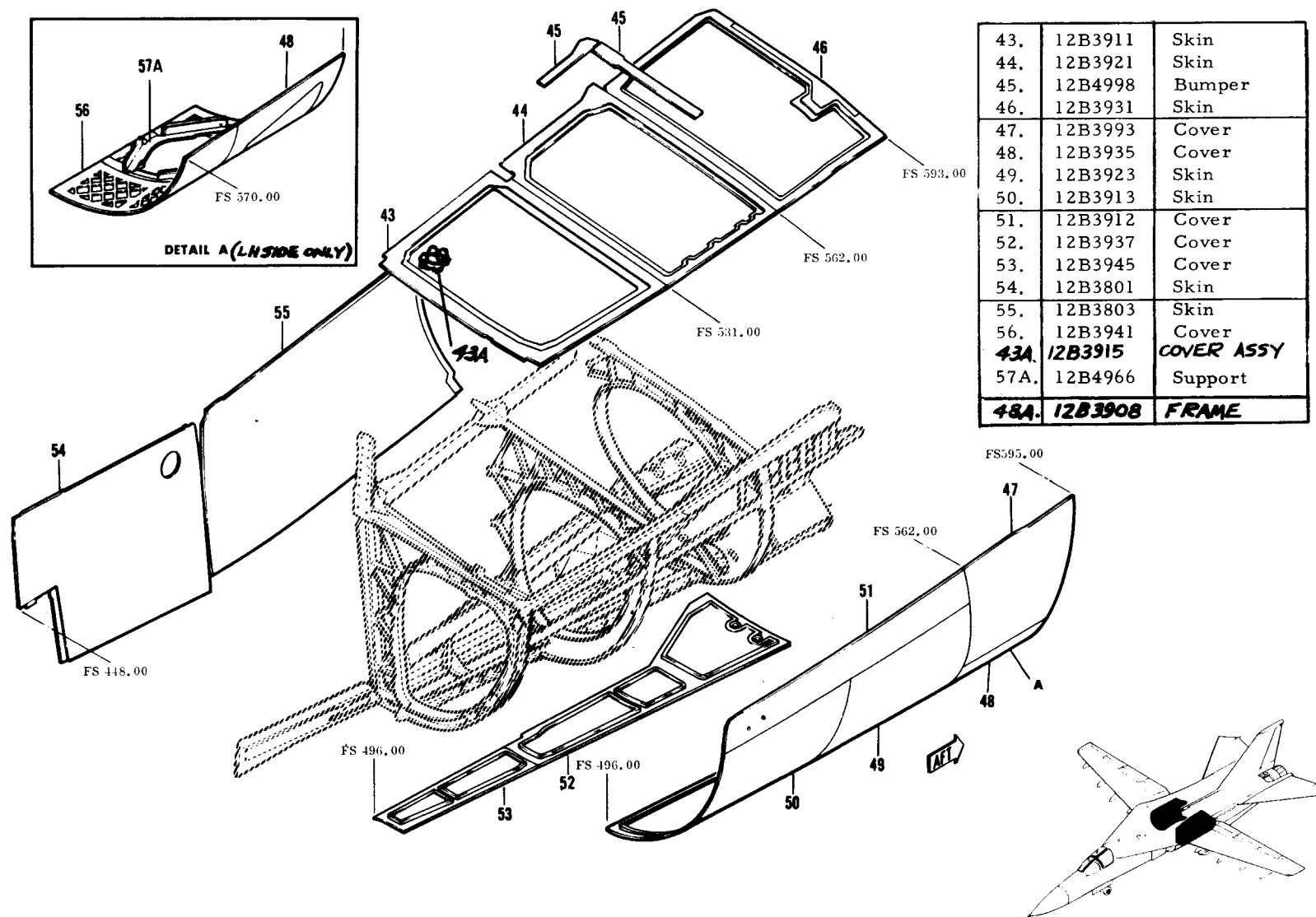


Figure 3-72 F-111A AFT CENTER FUSELAGE - SIDE ASSEMBLY SKINS

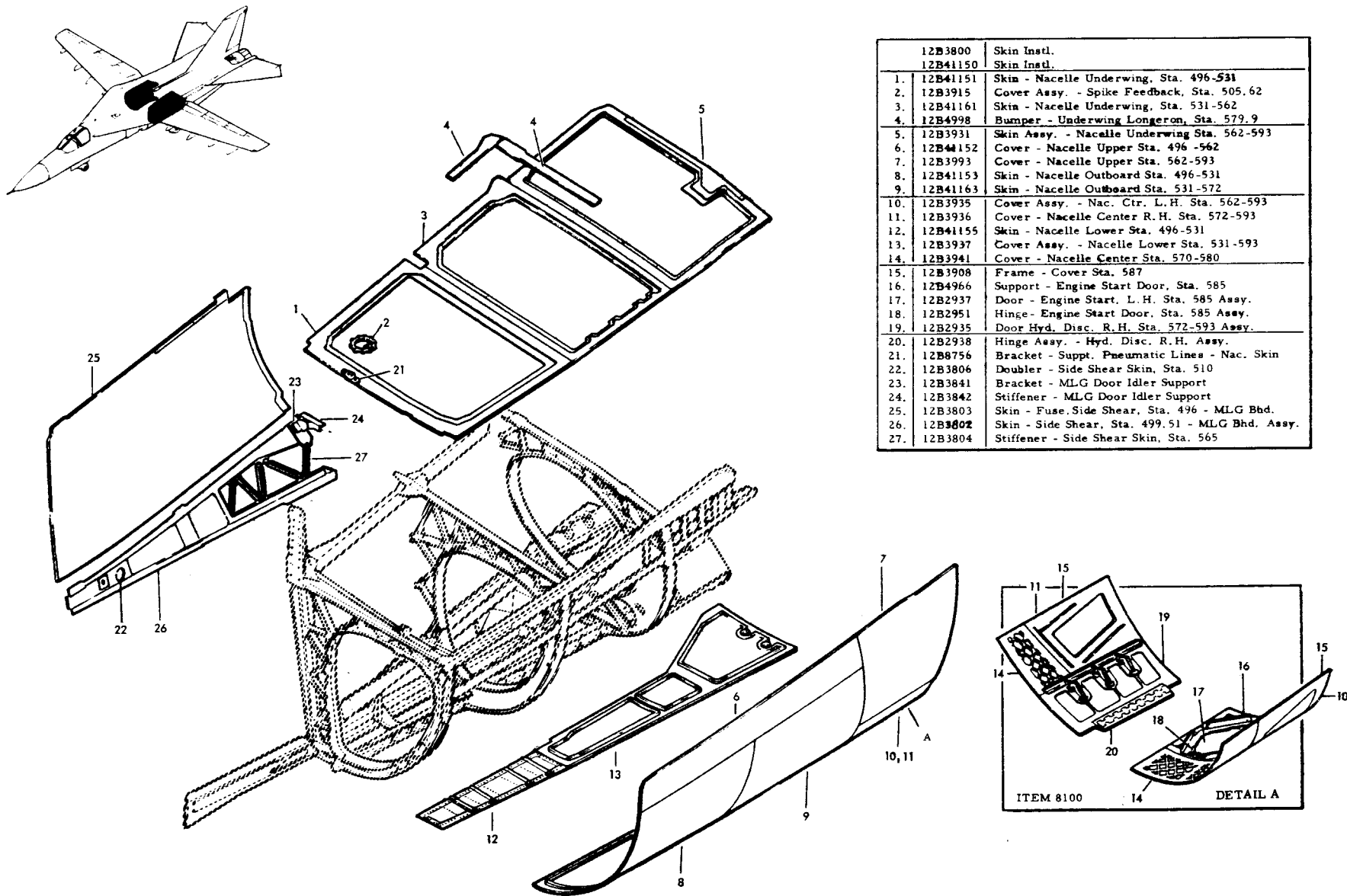
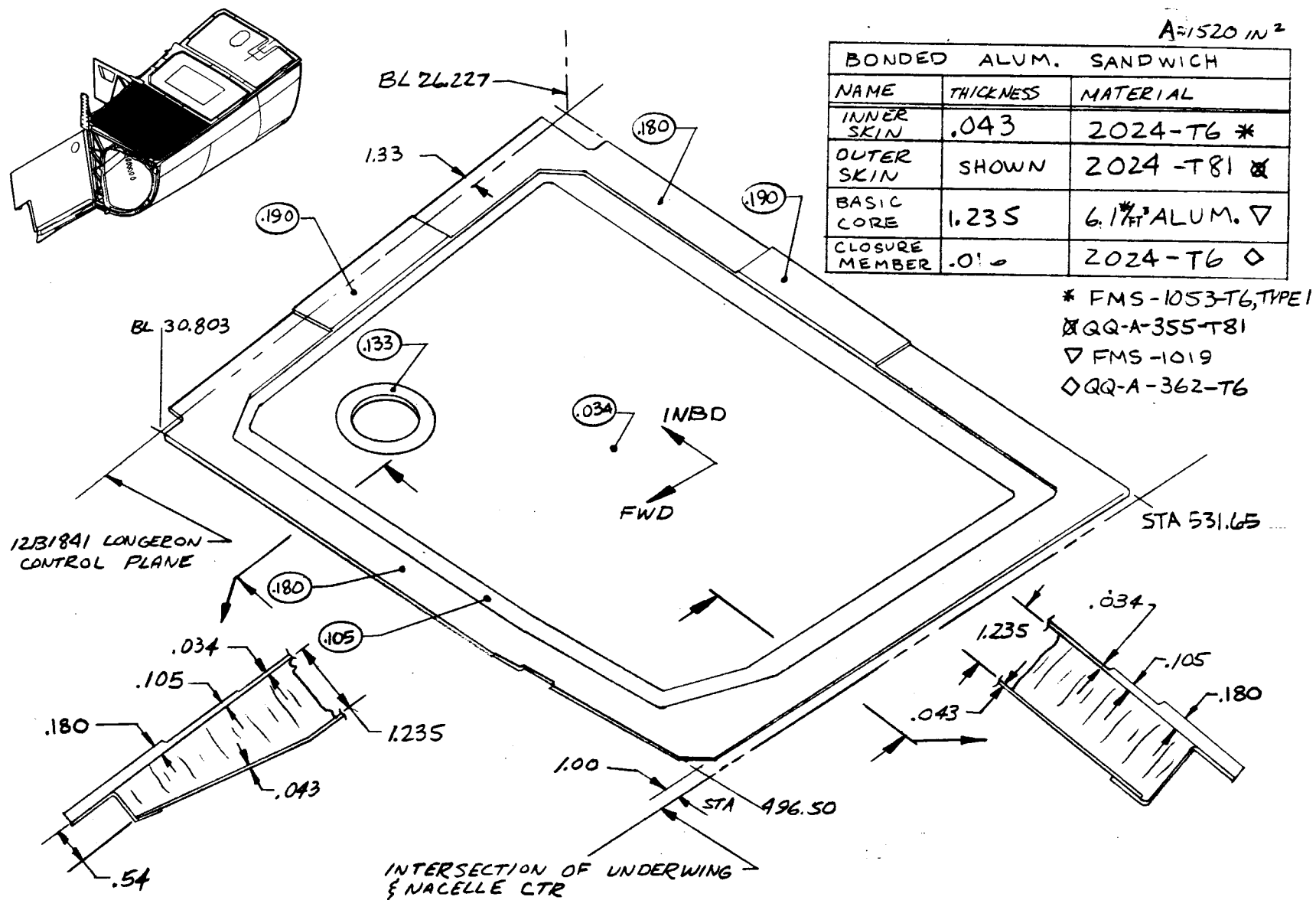


Figure 3-73 AFT CENTER FUSELAGE SIDE ASSEMBLY SKINS
(F-111E: A1: 160 & On; FB-111A: 3 & On)



F-111A

Figure 3-74 12B3911 SKIN - NACELLE, UNDERWING

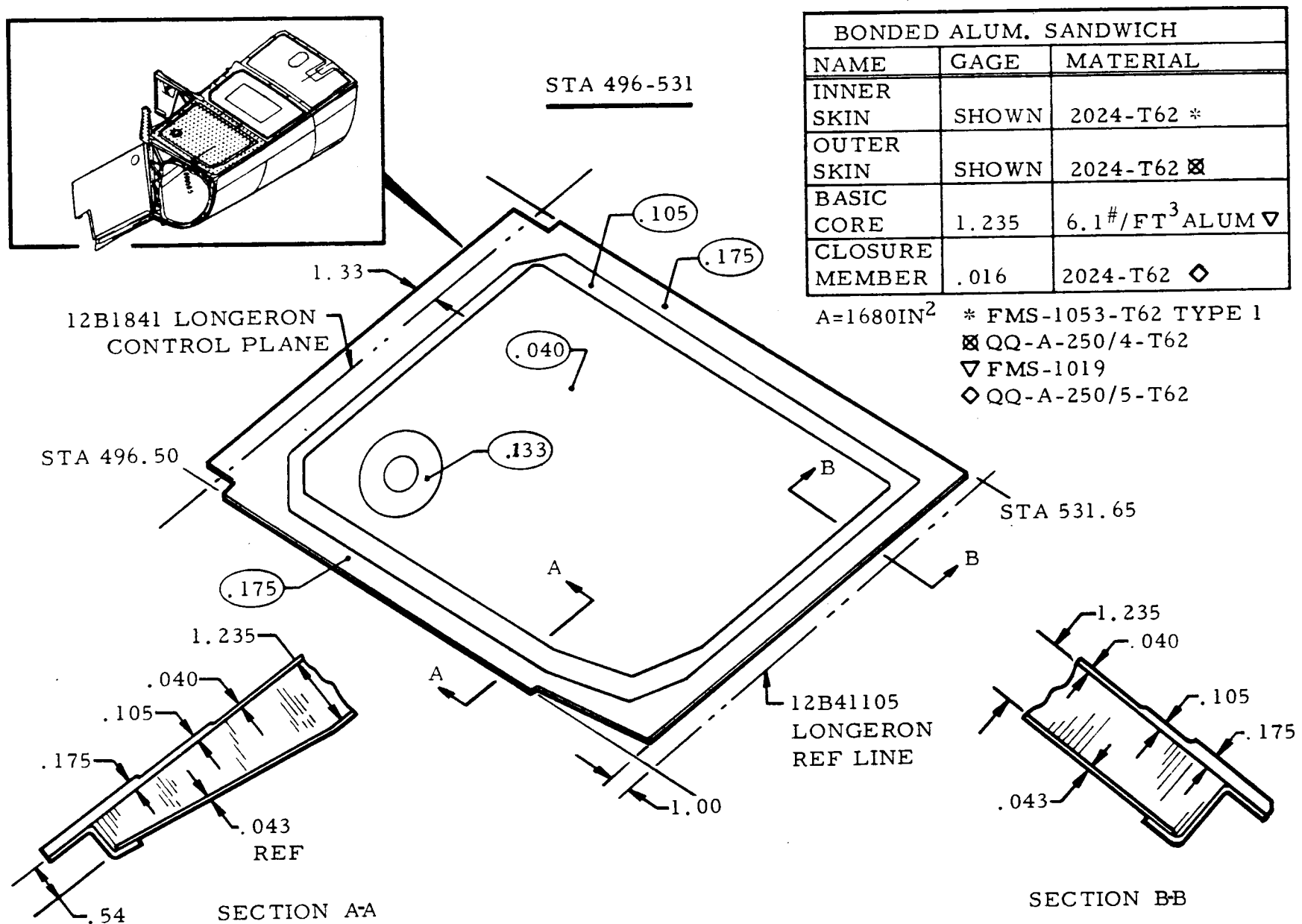
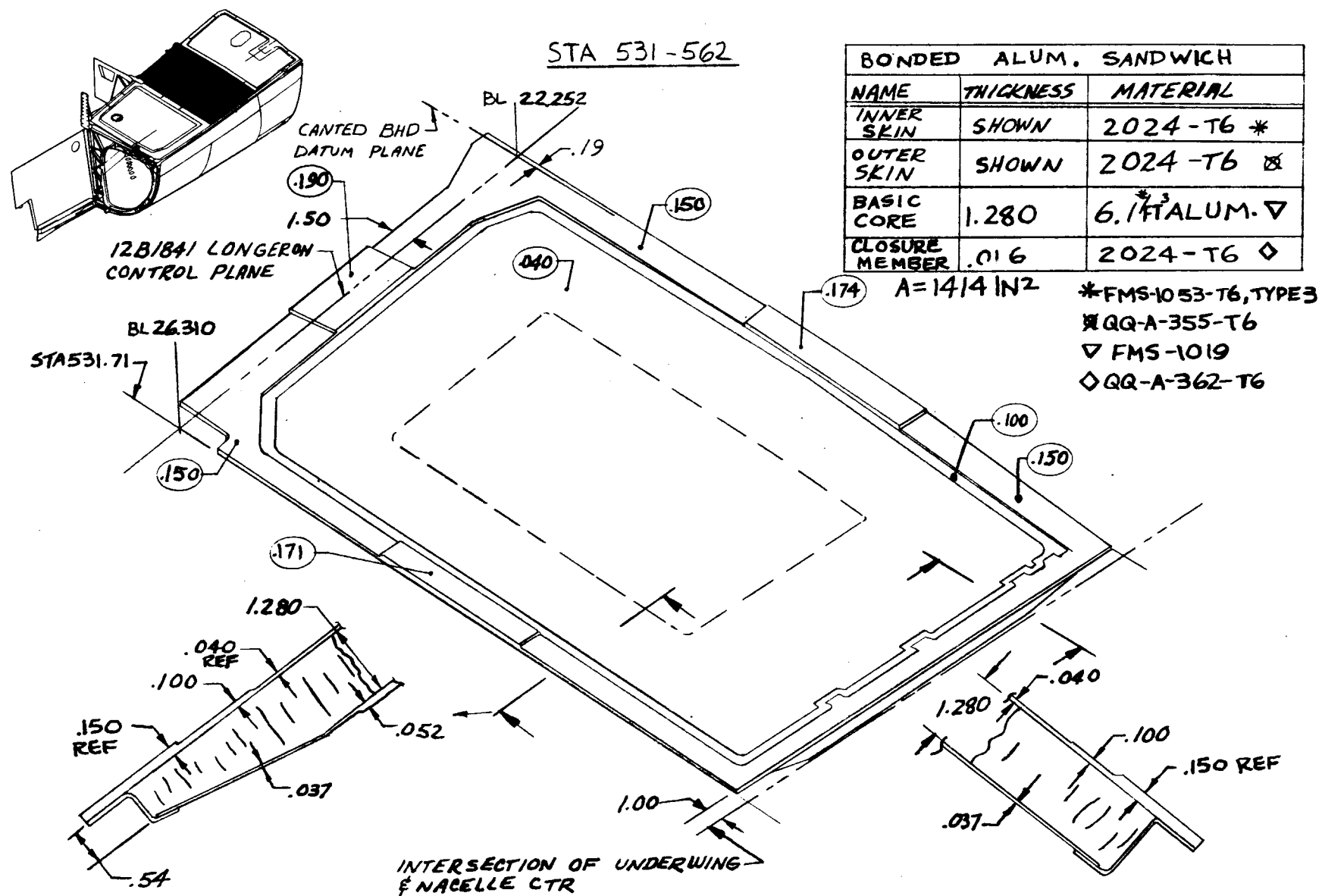
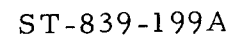


Figure 3-75 12B41151 SKIN - NACELLE, UNDERWING (F-111E: A1 160-On; FB-111A: B1 3-On)



F-111A

Figure 3-76 12B3921 SKIN - NACELLE, UNDERWING



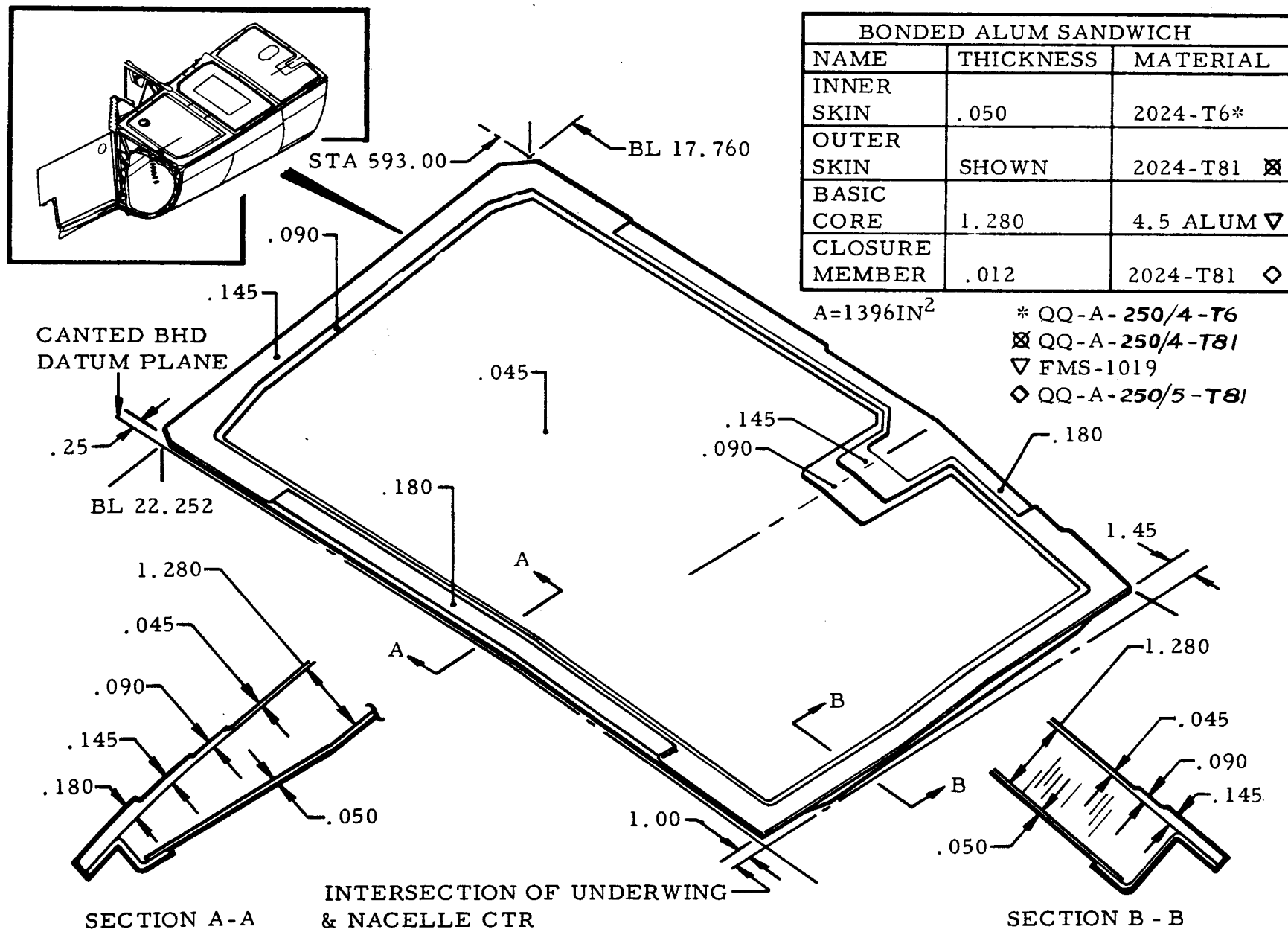


Figure 3-78 12B3931 SKIN - NACELLE, UNDERWING

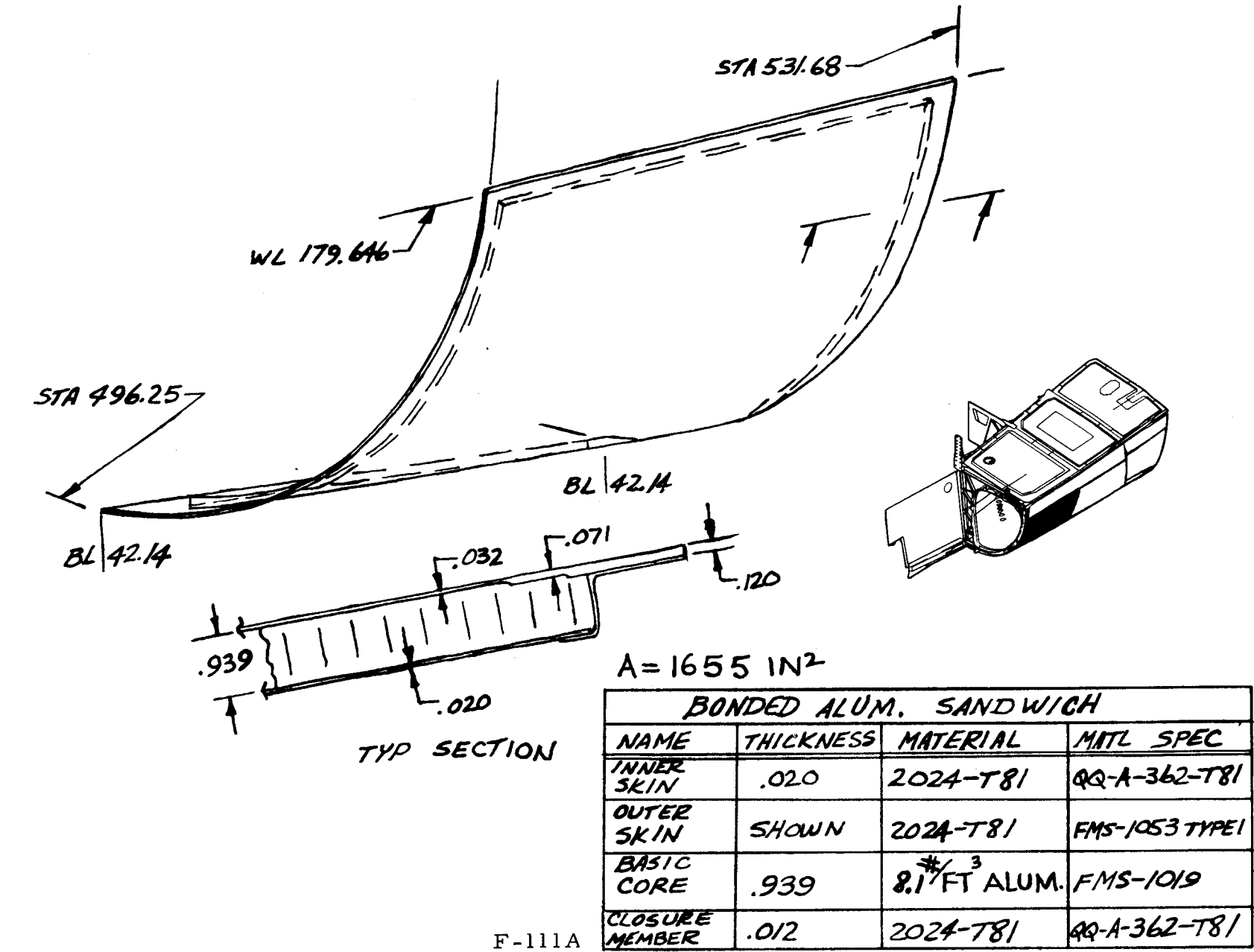


Figure 3-79 12B3913 SKIN - NACELLE, OUTBOARD

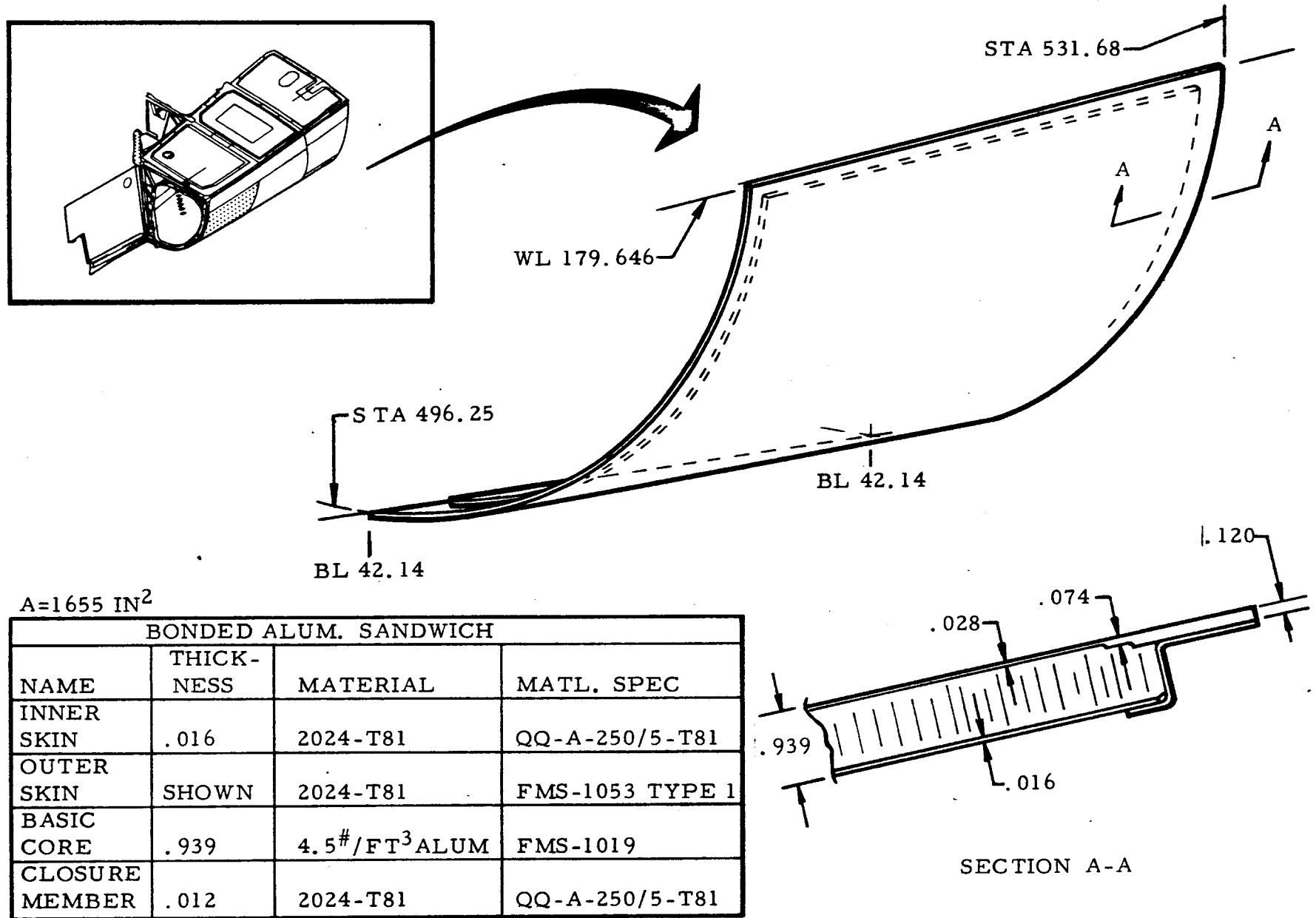
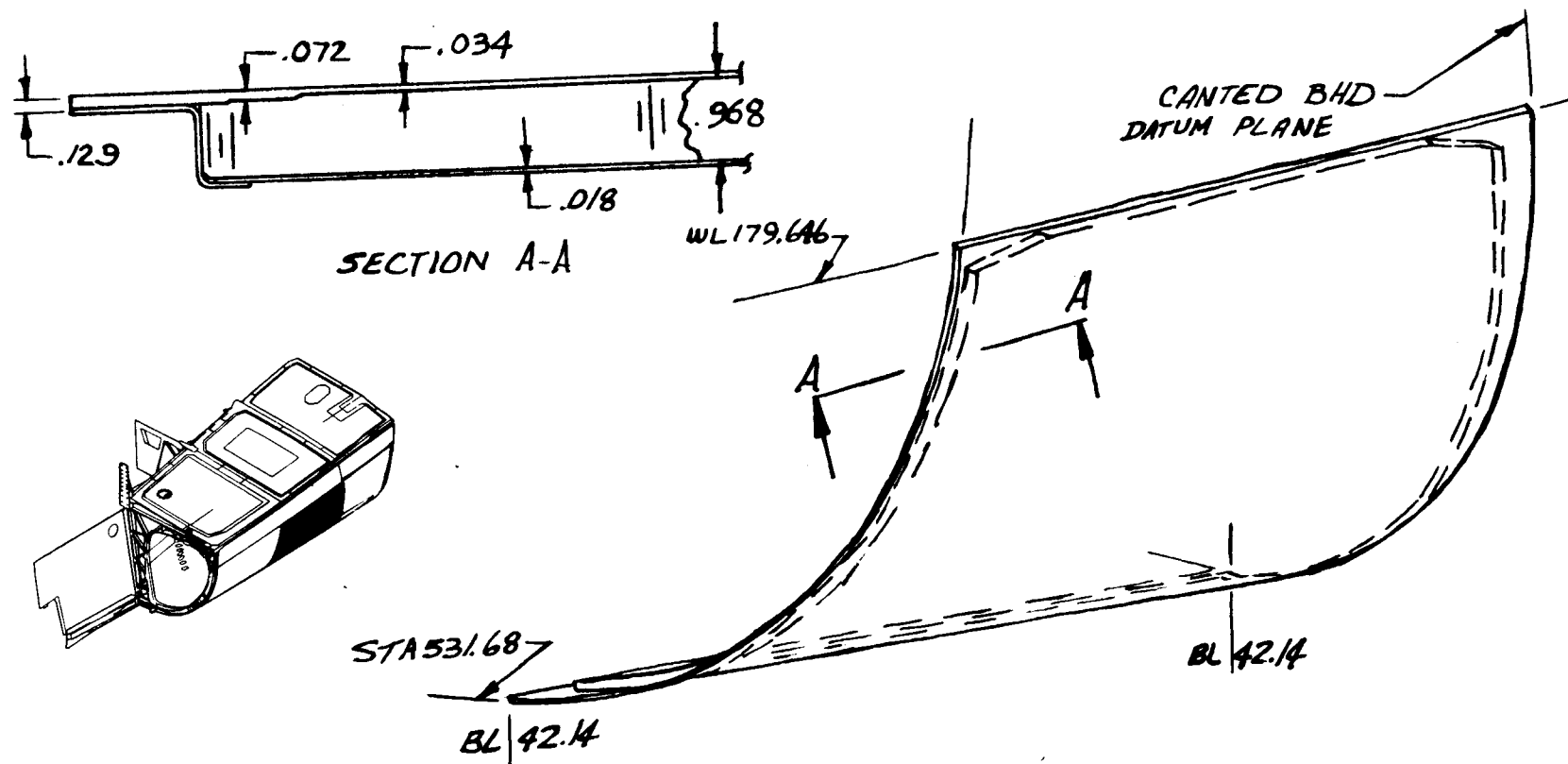


Figure 3-80 12B41153 SKIN - NACELLE, OUTBOARD (F-111E: A1 160-On; FB-111A: B1 3-On)



$$A = 1742 \text{ IN}^2$$

BONDED ALUM. SANDWICH			
NAME	THICKNESS	MATERIAL	MATL SPEC
INNER SKIN	.018	2024-T81	QQ-A-250/5-T81
OUTER SKIN	SHOWN	2024-T81	FMS-1053, TYPE I
BASIC CORE	.968	4.5 ³ FT ALUM.	FMS-1019
CLOSURE MEMBER	.012	2024-T81	QQ-A-362-T81

Figure 3-81F-111A 12B3923 SKIN - NACELLE, OUTBOARD

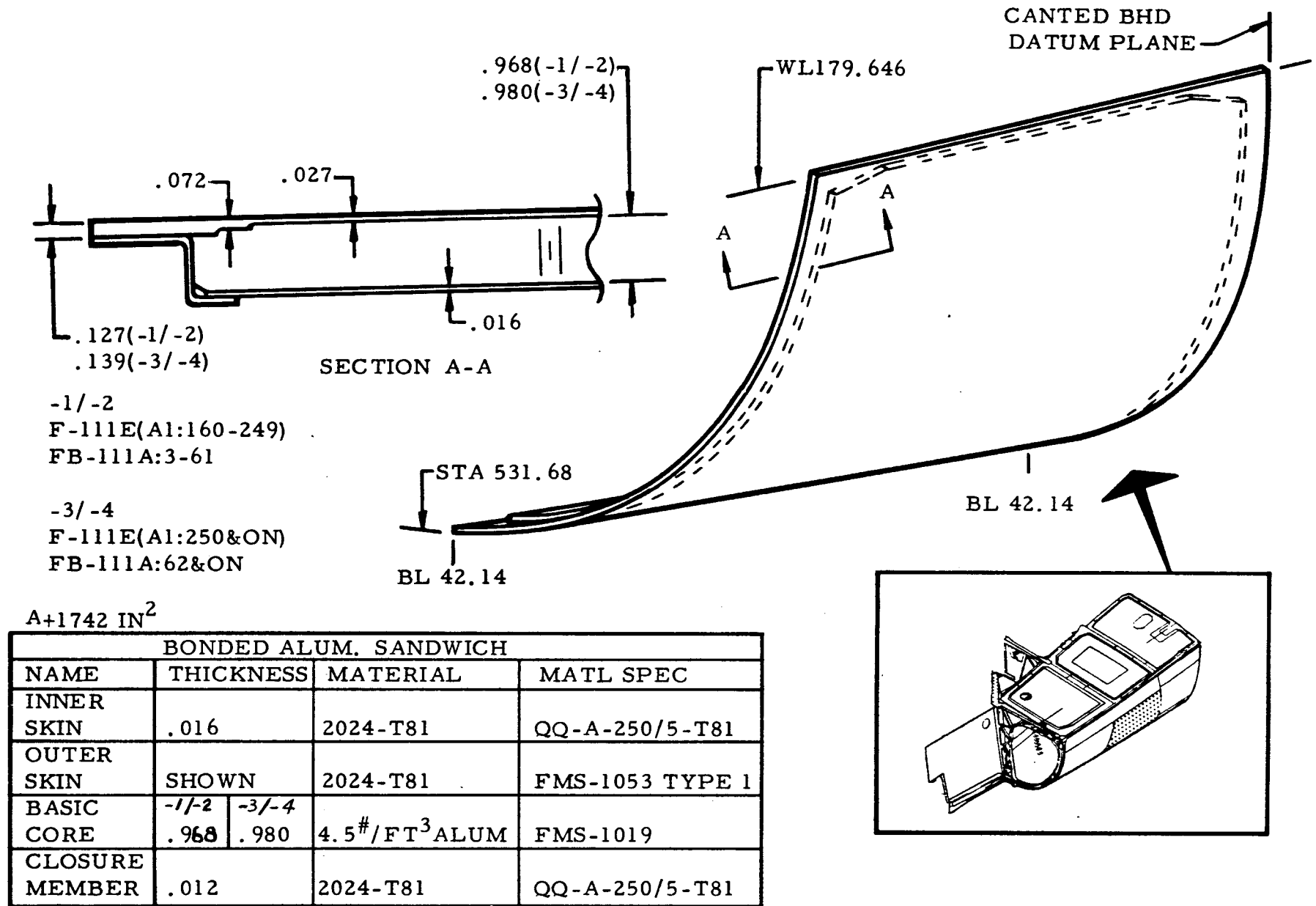


Figure 3-82 12B41163 SKIN - NACELLE, OUTBOARD (F-111E: A1 160-On; FB-111A: B1 3-On)

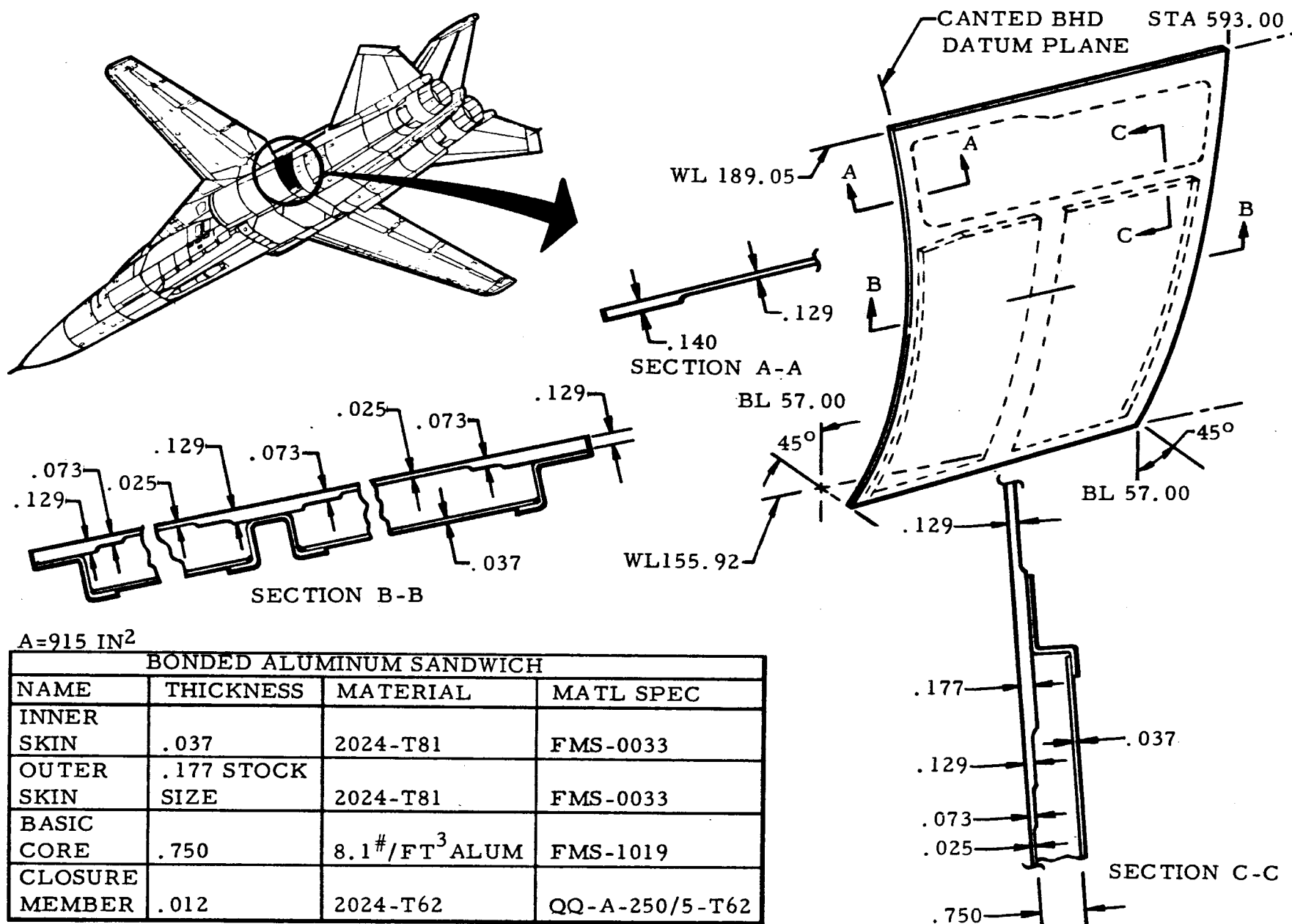
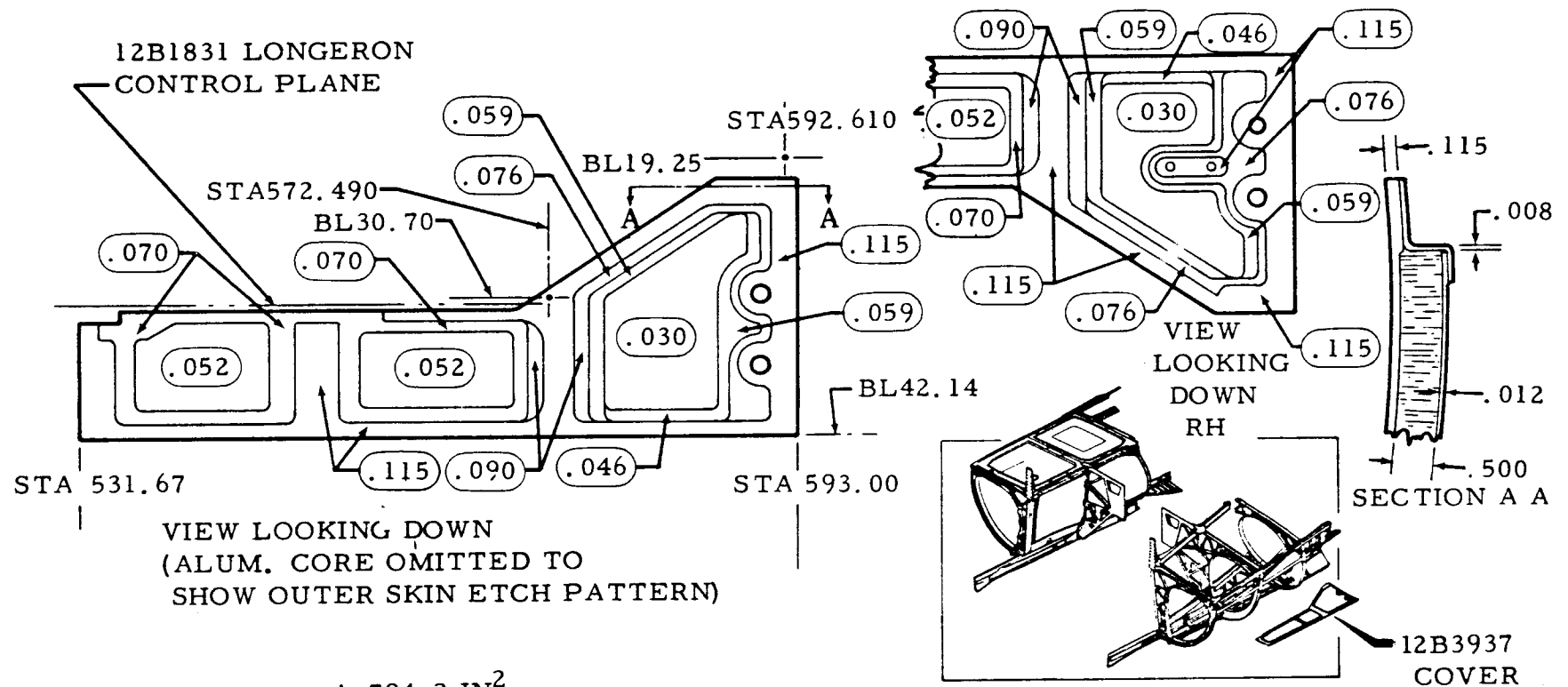


Figure 3-83 12B3993 COVER - NACELLE, OUTBOARD



$$A = 794.2 \text{ IN}^2$$

BONDED T1 - ALUM. SANDWICH			
NAME	THICKNESS	MATERIAL	MATL. SPEC
INNER SKIN	.012	6AL-6V-25N	FMS-1060
OUTER SKIN	SHOWN	6AL-6V-25N	FMS-1060
BASIC CORE	.500	6.1#/FT ³ ALUM	FMS-1019
CLOSURE MEMBER	.008	COML PURE T1	MIL-T-9046, CL6

Figure 3-84 12B3937 COVER - NACELLE, LOWER (STA. 531-593)

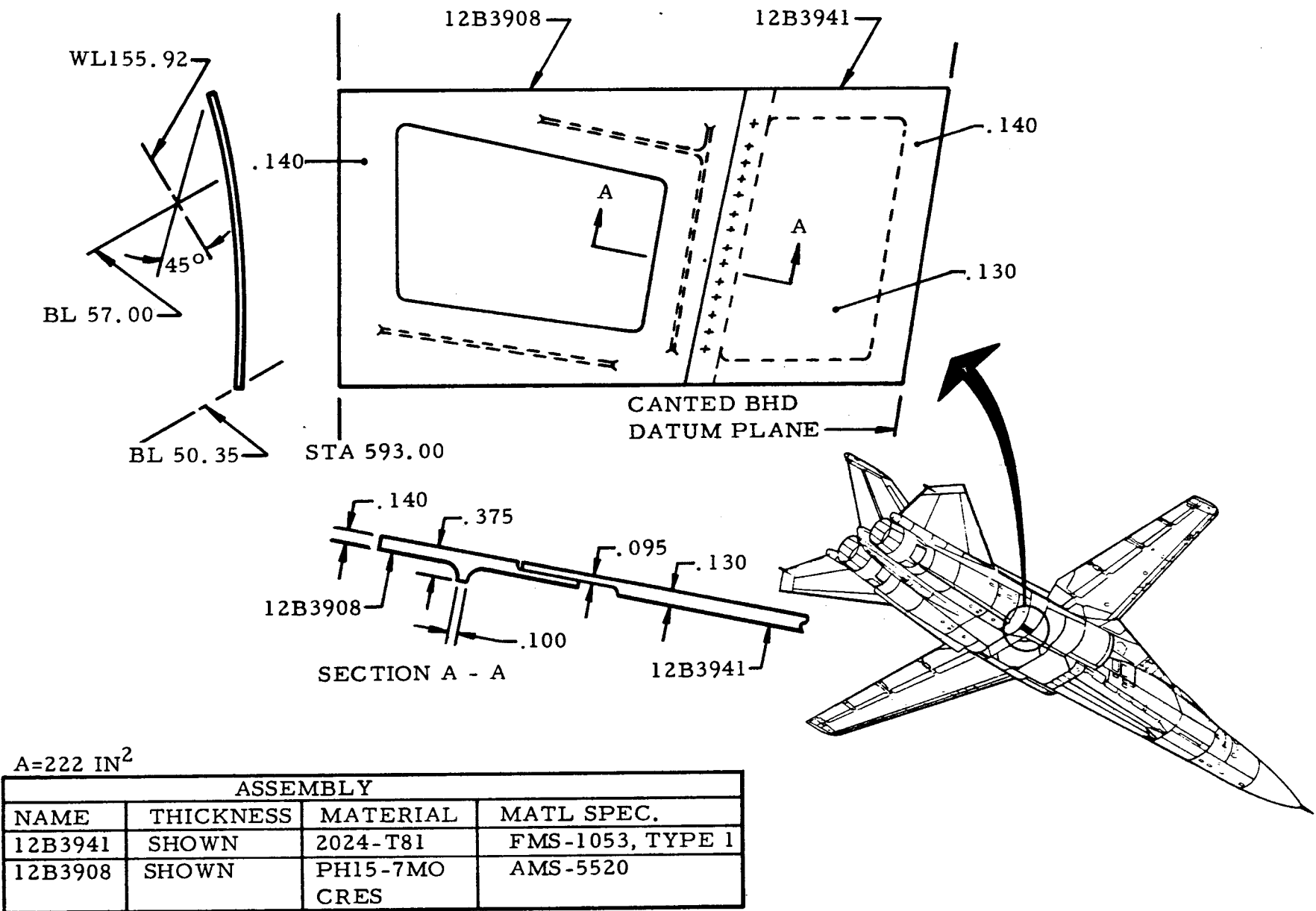


Figure 3-86 12B3936 COVER - NACELLE, CENTER (RIGHT HAND)

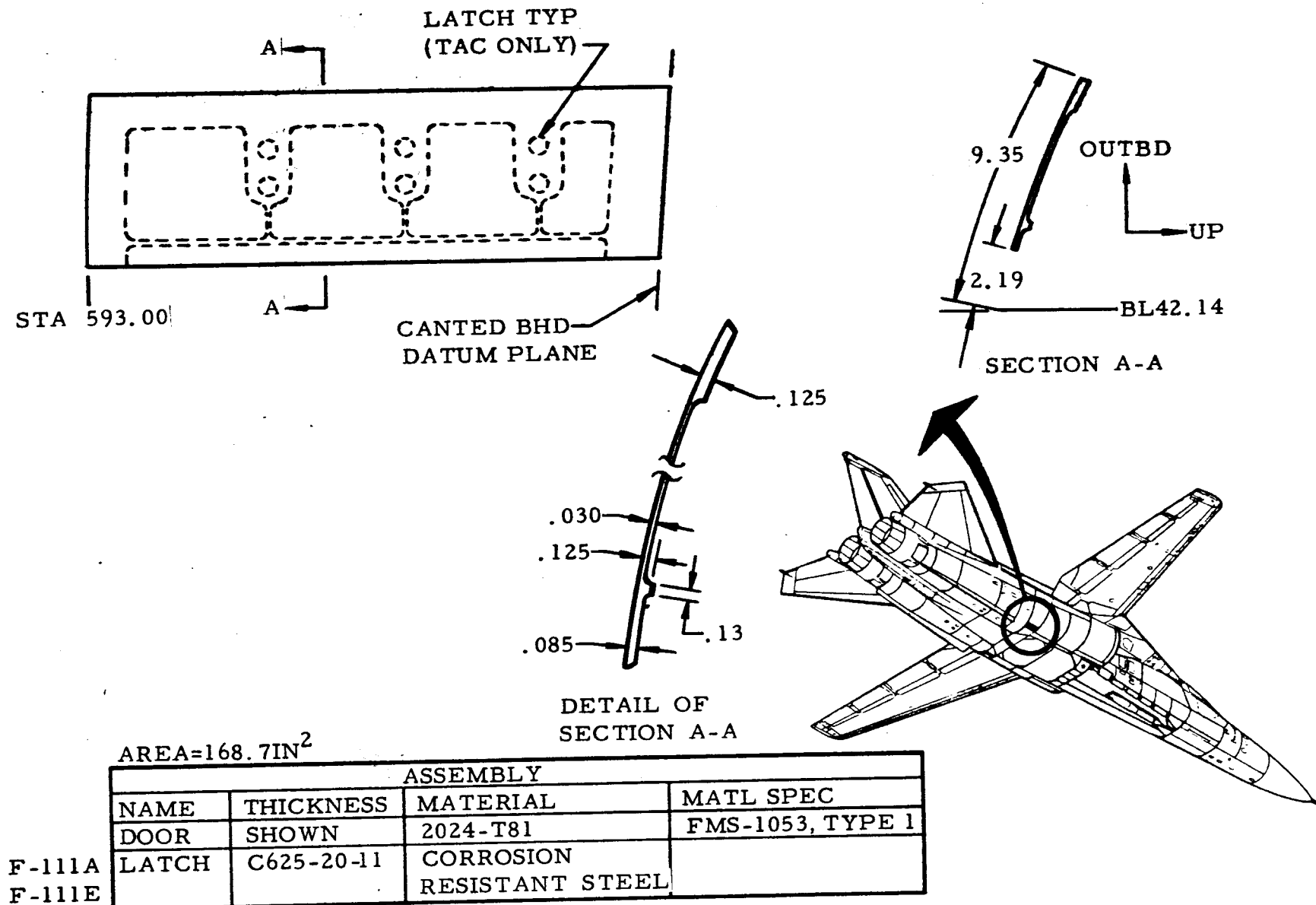
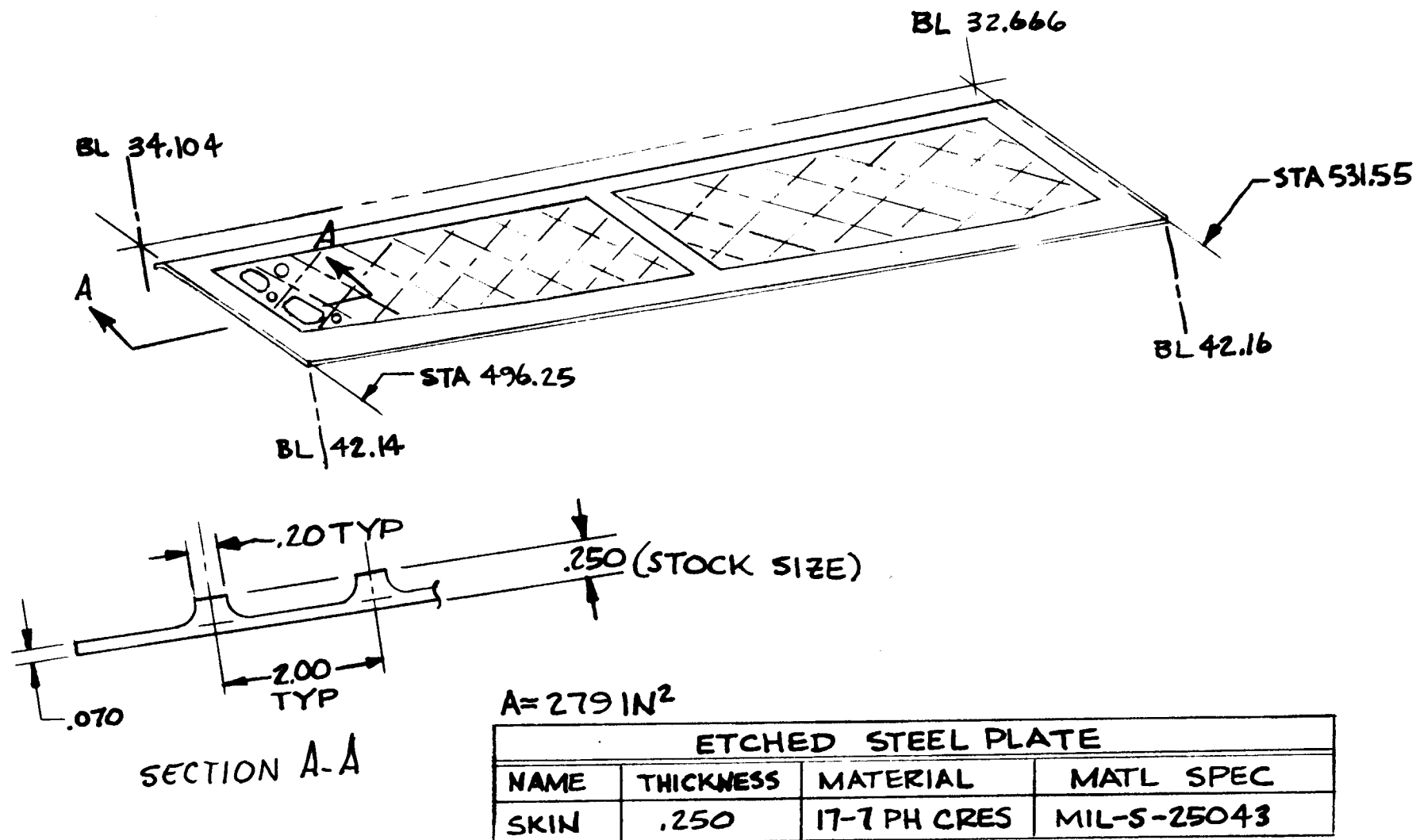
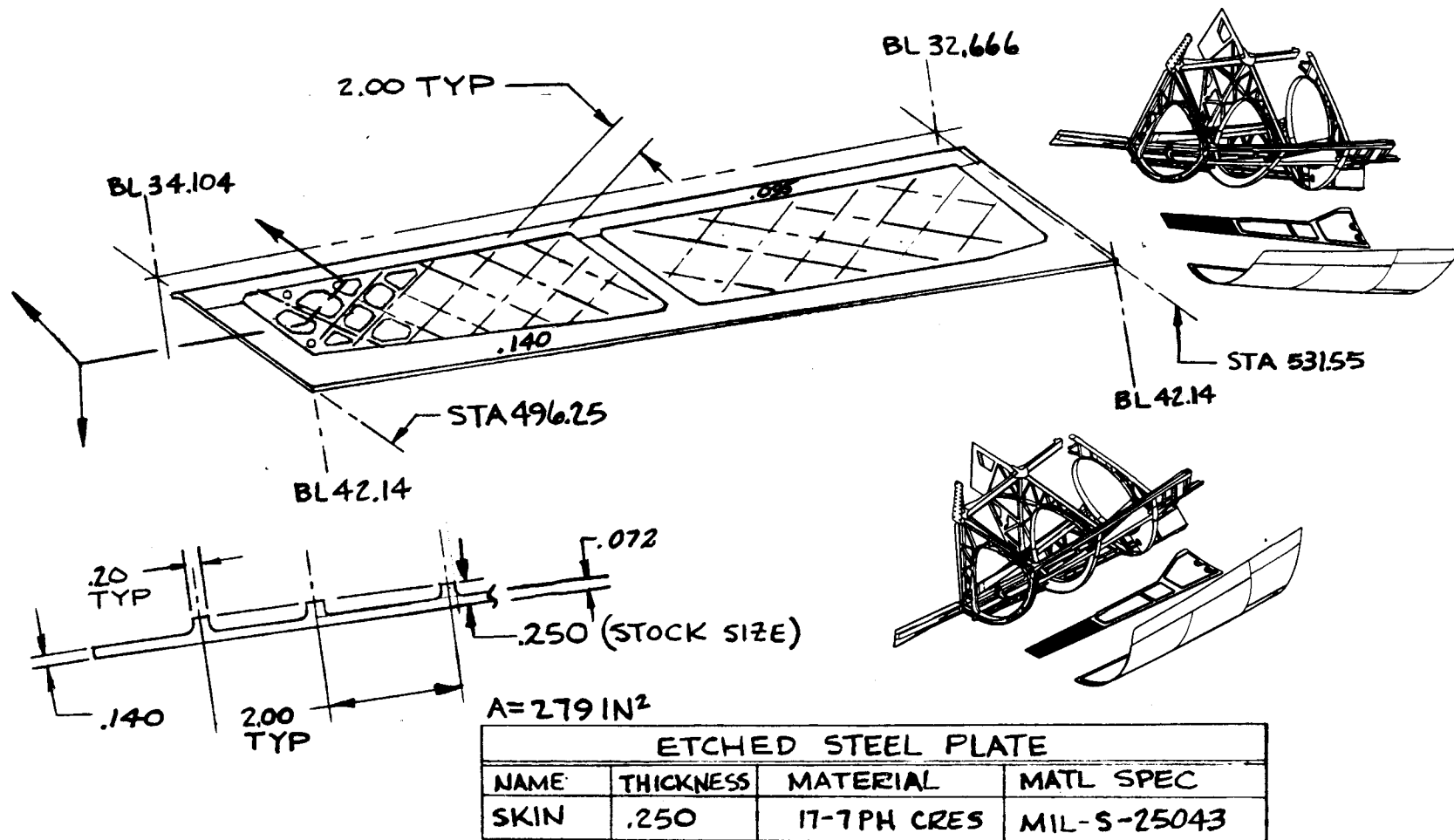


Figure 3-87 12B2935 DOOR - HYDRAULIC DISCONNECT (RIGHT HAND)



F-111A
Figure 3-88 12B3945 SKIN - NACELLE LOWER (STA. 496 - 531)



F-111E/FB-111

Figure 3-89 12B41155 SKIN - NACELLE LOWER (STA. 496 - 531)

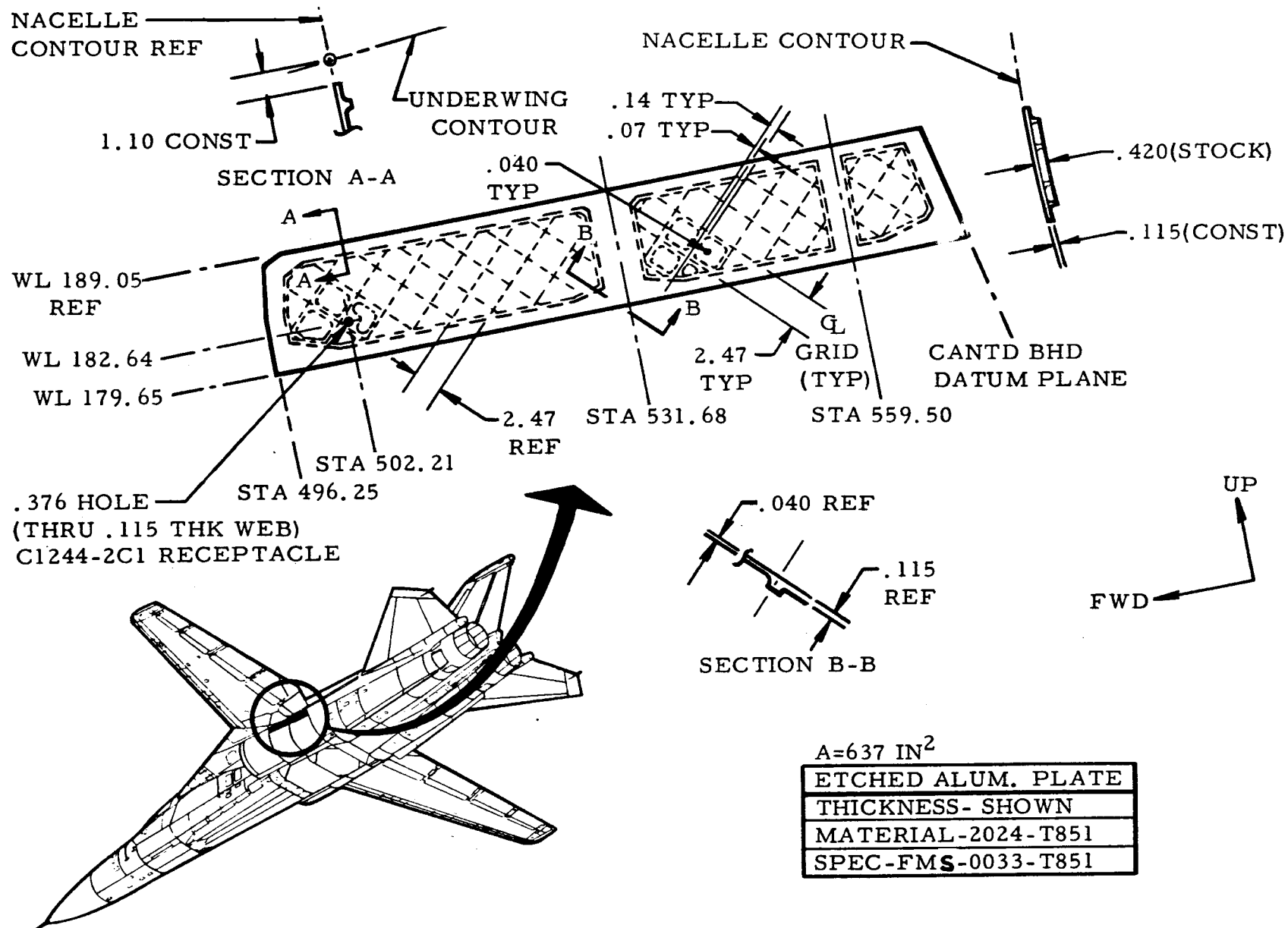
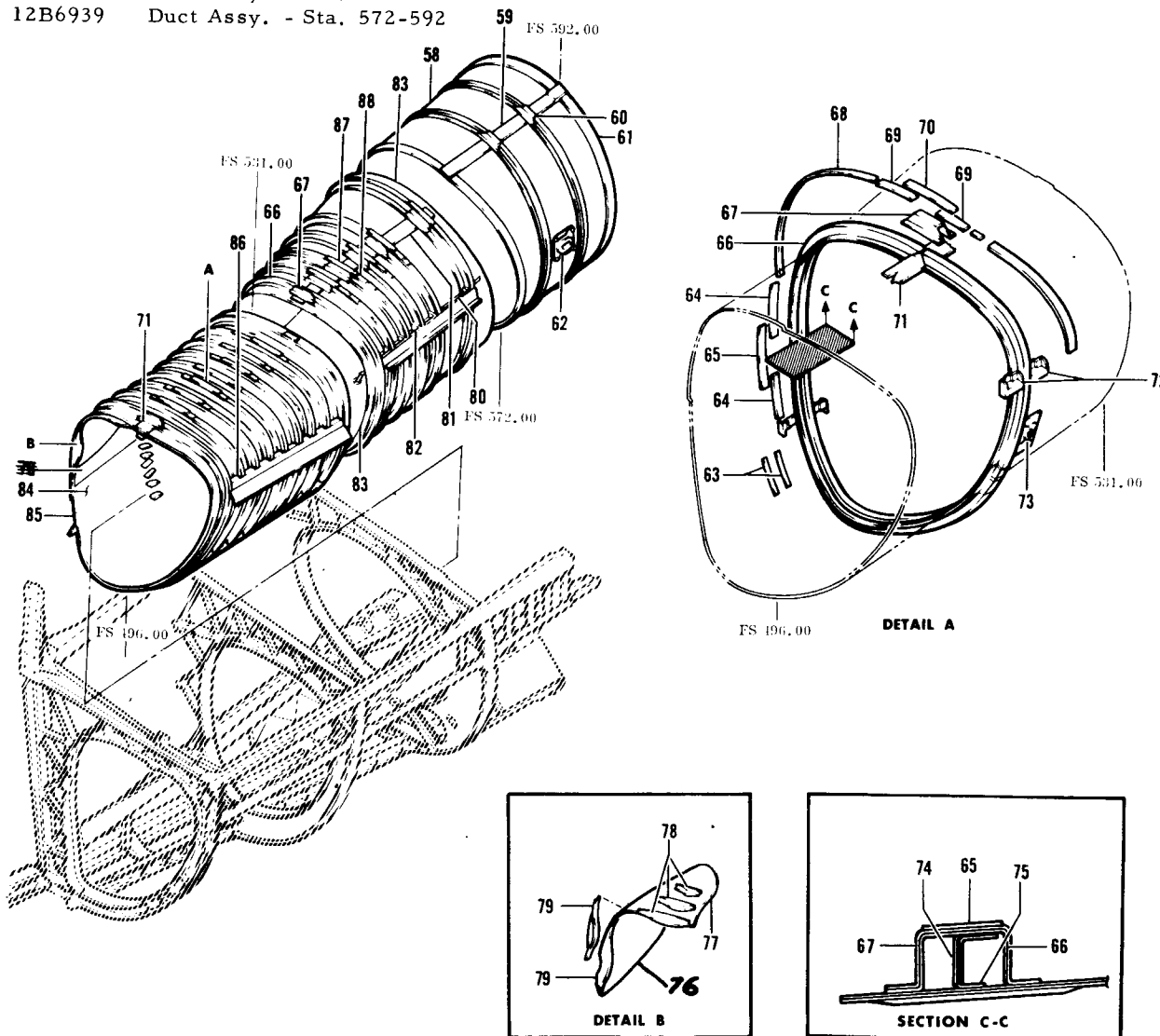


Figure 3-90 12B3912 COVER - NACELLE, UPR. F.S. 496-562(F-111A: A1 31-159)
12B41152 COVER - NACELLE, UPR. F.S. 496-562(F-111E: A1-160-On; FB-111A: B1 3-On)

12B6920 Duct Assy. - Sta. 496-531
 12B6930 Duct Assy. - Sta. 531-572
 12B6939 Duct Assy. - Sta. 572-592



58.	12B6939	Skin
59.	12B6939	Splice Skin
60.	12B6939	Splice Hat
61.	12B6939	Hat
62.	12B4967	Support Assy.
	12B4968	Support
63.	12B6920	Radius Block
64.	12B6922	Slug
65.	12B6922	Slug Splice
66.	12B6922	Stiffener
67.	12B6922	Stiffener Splice
68.	12B6920	Retainer
69.	12B6922	Slug
70.	12B6922	Slug Splice
71.	12B6920	Splice
72.	12B4983	Support Casting
73.	12B4973	Support
74.	12B6922	Divider
75.	12B6922	Divider Splice
76.	12B4975	Skin
77.	12B4974	Skin
78.	12B4974	Support
79.	12B4975	Stiffener
80.	12B4982	Support
81.	12B6930	Splice
82.	12B4972	Support Casting
83.	12B6931	Skin
84.	12B6921	Skin
85.	12B6905	Splice Installation
86.	12B4984	Support Casting
87.	12B6922	Stiffener
88.	12B6922	Slug

Figure 3-91 F-111A AFT CENTER FUSELAGE - SIDE ASSEMBLY - DUCTS

3-95

ST-839-149A

1.	12B6922	Fillers, Stiffener, Inbd.
2.	12B6922	Stiffeners, Inbd. Upr.
3.	12B6922	Fillers, Stiffener, Upr.
4.	12B6922	Splice, Stiffener
5.	12B6931	Skin, Upr. Inbd.
6.	12B6930	Splice, Skin, Upr.
7.	12B6931	Skin, Outbd.
8.	12B6940	Air Director Assy.
9.	12B4982	Support, Membrane
10.	12B4972	Support, Membrane
11.	12B6922	Stiffeners, Outbd.
12.	12B6922	Splice, Stiffener
13.	12B6930	Splice, Skin, Lwr.
14.	12B6922	Stiffeners, Lwr.
15.	12B6931	Skin, Lwr.
16.	12B4982	Clips
17.	12B6930	Splice, Skin, Inbd.
18.	12B6922	Splice, Stiffener

INLET DUCT SKIN PANELS			
PART NO. 12B6931	GAGE	EFF.	MATERIAL
-13	.090	31 - 41	2024-T81
-19	.140	42-159	
-15	.090	31 - 41	2024-T81
-21	.140	42-159	
-17	.090	31 - 41	2024-T81
-23	.140	42-159	

INLET DUCT SKIN PANELS		
PART NUMBER	GAGE	SIZE
12B6931-7	AS SHOWN	30½" x 38½" x 39½" x 29"
12B6931-9	AS SHOWN	29½" x 32½" x 38½" x 44½"
12B6931-11	AS SHOWN	46½" x 39½"

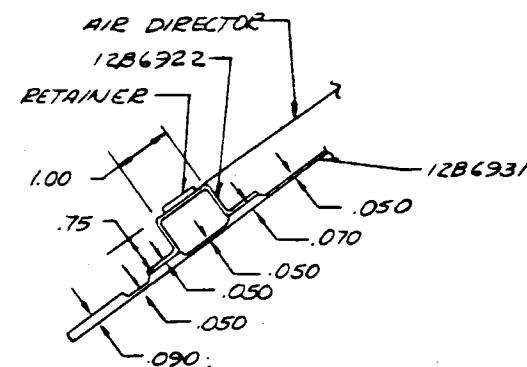
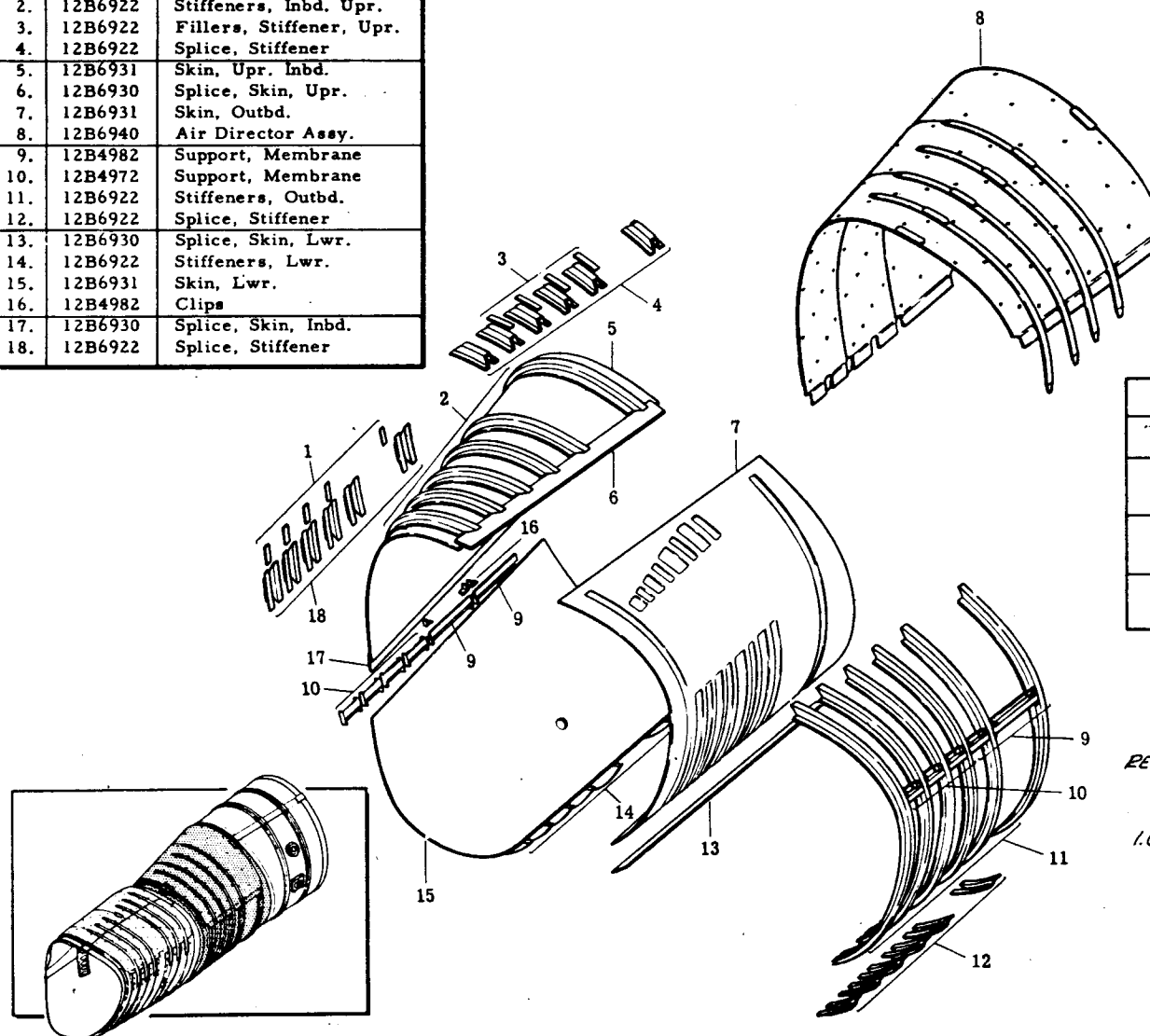


Figure3-93 F-111A INLET DUCT - MIDDLE SECTION

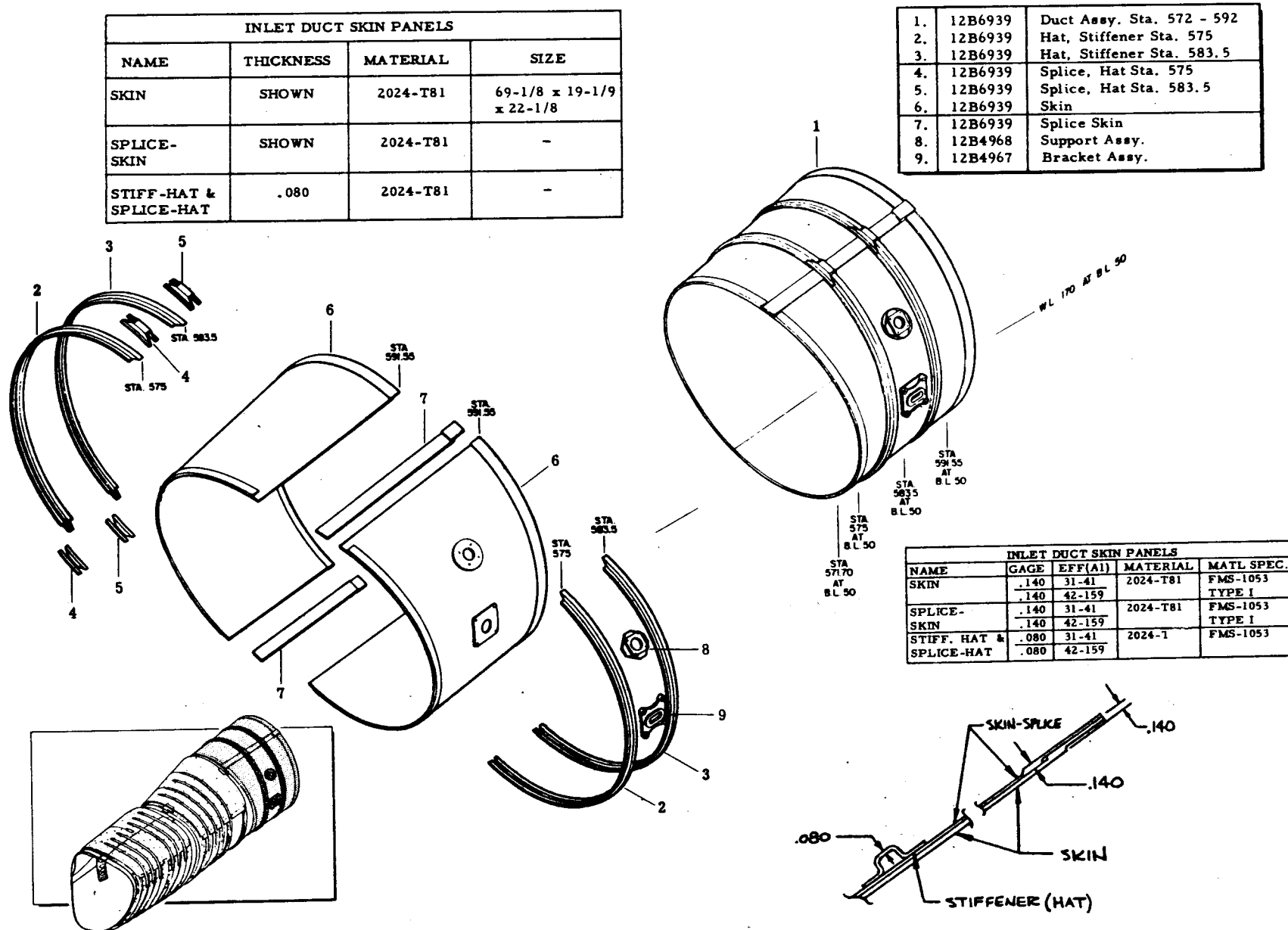


Figure 3-94 F-111A INLET DUCT - AFT SECTION

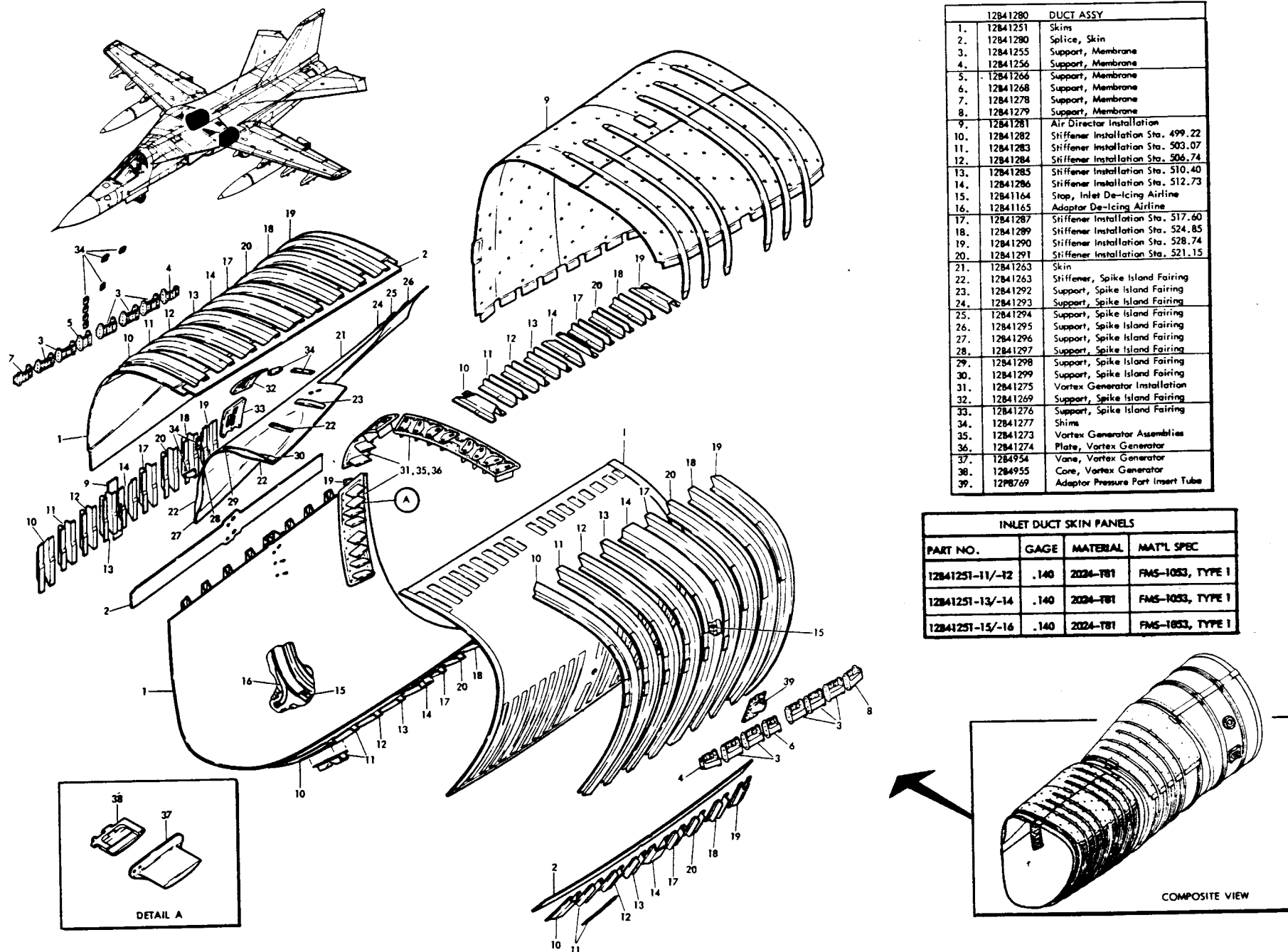


Figure 3-95 INLET DUCT - FORWARD SECTION (F-111E: A1:160 & On; FB-111A: 3 & On)

INLET DUCT SKIN PANELS

PART NO.	GAGE	MATERIAL	MATL. SPEC.
12B41261-7	.140	2024-T81	FMS-1053, TYPE 1
12B41261-9	.140	2024-T81	FMS-1053, TYPE 1
12B41261-11	.140	2024-T81	FMS-1053, TYPE 1

12B41260 DUCT ASSEMBLY		
1.	12B41262	Stiffener Details, Sta. 534.68
2.	12B41262	Stiffener Details, Sta. 538.68
3.	12B41262	Stiffener Details, Sta. 542.68
4.	12B41262	Stiffener Details, Sta. 547.18
5.	12B41262	Stiffener Details, Sta. 551.68
6.	12B41262	Stiffener Details, Sta. 560.75
7.	12B41261	Skins, Sta. 531 - 572
8.	12B41260	Skin Splice
9.	12B41281	Air Director Assembly
10.	12B41254	Support Details, Membrane
11.	12B41253	Support Details, Membrane
12.	12B41263	Fairing Installation, Spike Island

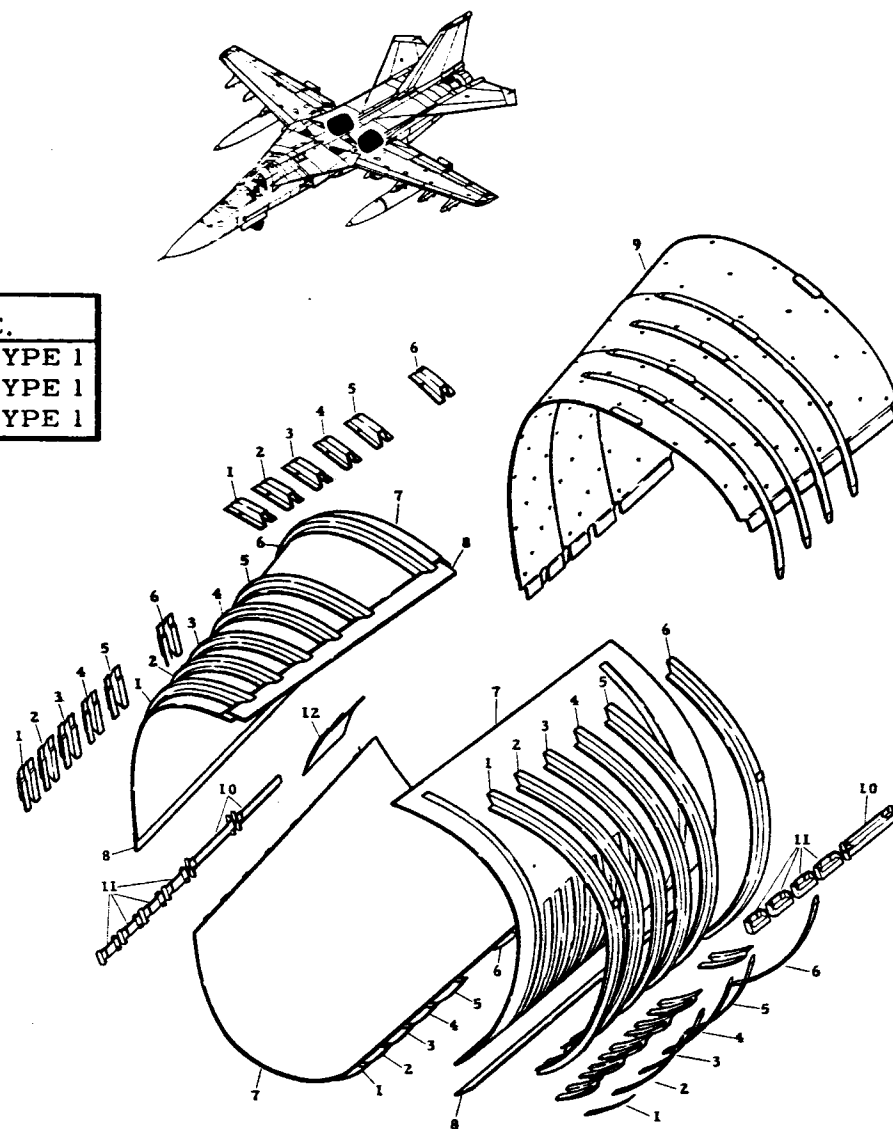
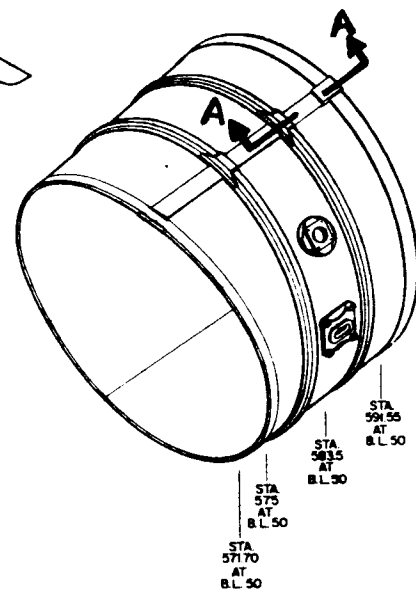
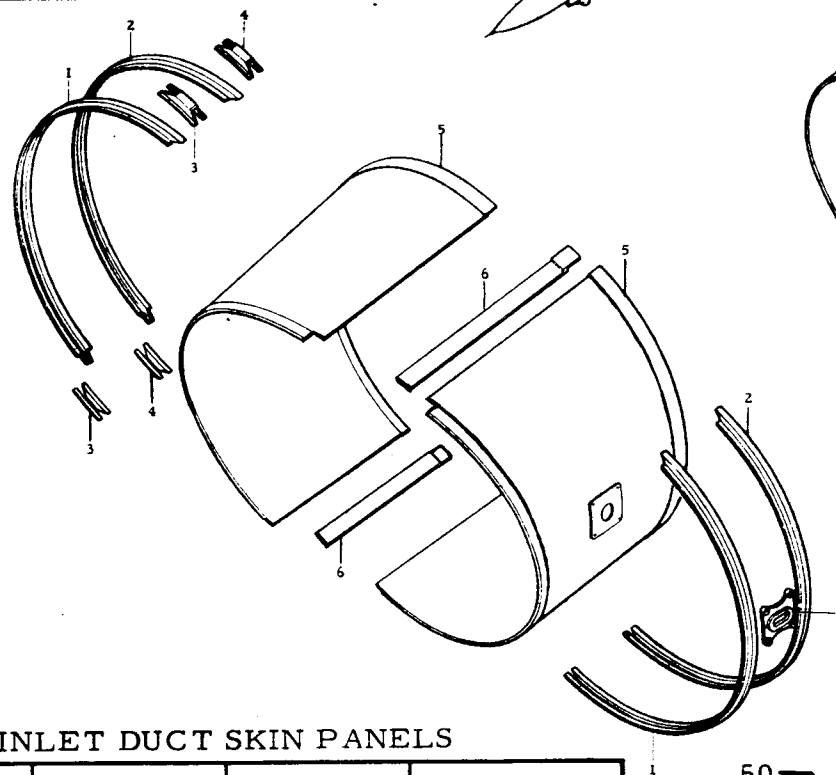


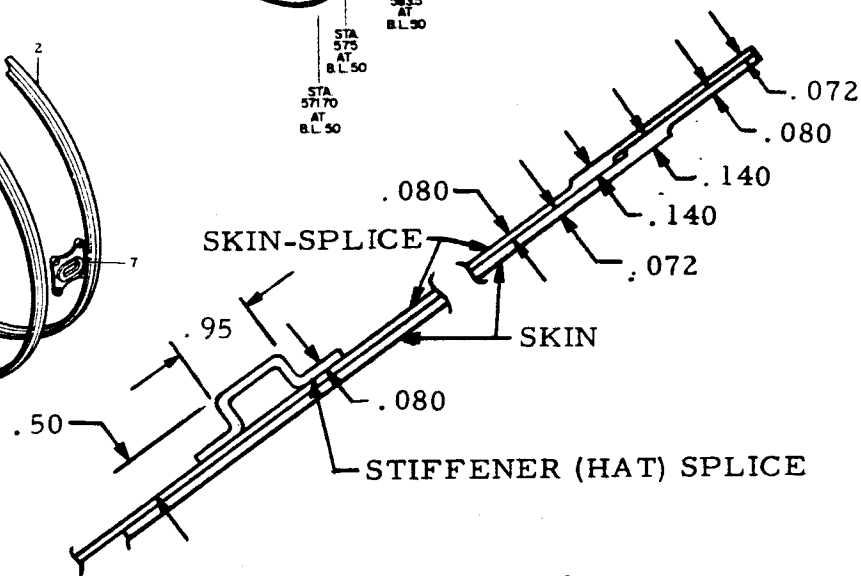
Figure 3-96 INLET DUCT - MIDDLE SECTION (F-111E: A1:160 & On; FB-111A: 3 & On)

12B41270 DUCT ASSY		
1.	12B41272	Hat, Stiffener Sta. 575
2.	12B41272	Hat, Stiffener Sta. 583.5
3.	12B41272	Hat Splice Sta. 575
4.	12B41272	Hat Splice Sta. 583.5
5.	12B41271	Skin
6.	12B41270	Splice, Skin
7.	12B4967	Support



INLET DUCT SKIN PANELS

NAME	THICKNESS	MATERIAL	MATL. SPEC.
SKIN	SHOWN	2024-T81	FMS-1053 TYPE 1
SPLICE-SKIN	SHOWN	2024-T81	QQ-A-250/5-T81
STIFF-HAT & SPLICE-HAT	.080	2024-T81	QQ-A-250/5-T81



12B41270- INLET DUCT
SECTION A-A

Figure 3-97 INLET DUCT - AFT SECTION (F-111E: A1 160 and on; FB-111A: B1 3 and on)

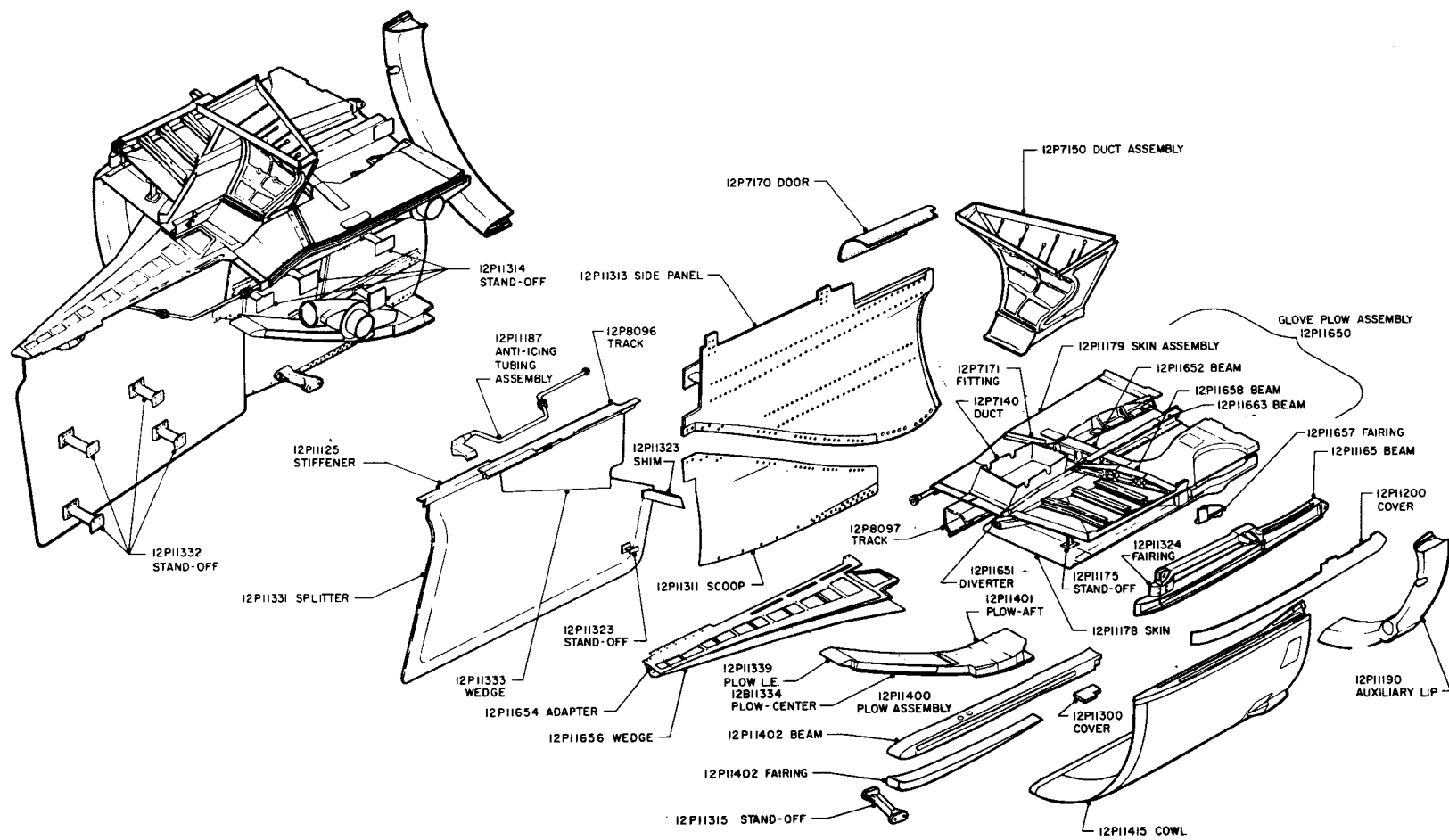


Figure 3-98 F-111A NACELLE INLET

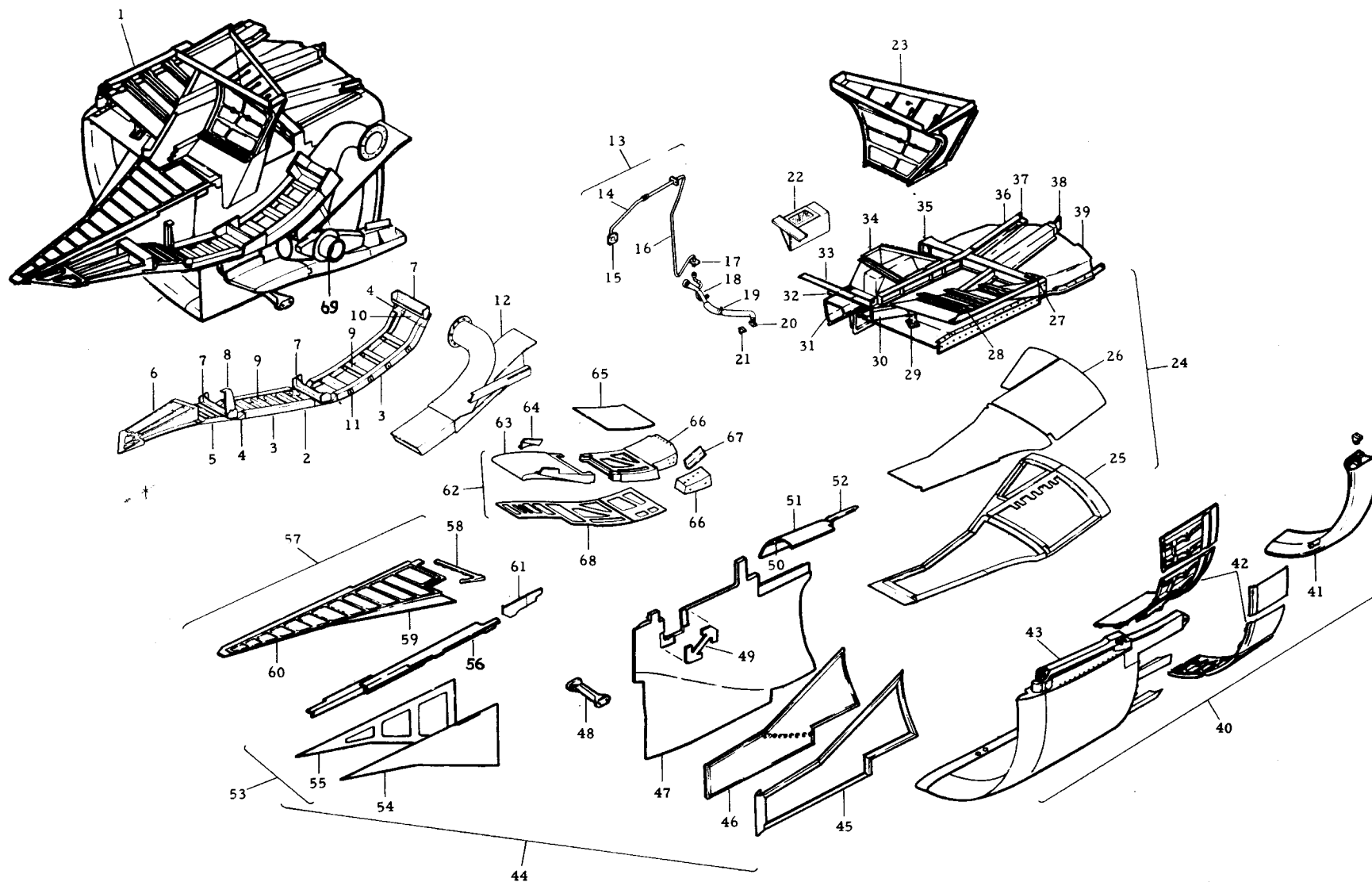


Figure 3-99 NACELLE INLET ASSEMBLY (FB-111A: B1 3-19; F-111E: A1 160-189)

Volume II, Section Three

1.	12P12200	Inlet Installation	31.	12P2480	Spike Track, Aft
2.	12P12177	Diverter Installation	32.	12P11366	Fitting
3.	12P12175	Diverter Assy.	33.	12P11477	Strap
4.	12P12169	Fitting Details	34.	12P12211	Base Assy, Spike Bleed
5.	12P12181	Fwd. Diverter	35.	12P12187	Beam
6.	12P12176	Diverter L. E.	36.	12P12190	Beam Assy
7.	12P12174	Support Details	37.	12P12191	Bracket
8.	12P12230	Support	38.	12P12203	Bracket
9.	12P12199	Channel	39.	12P2508	Skin Assy
10.	12P12168	Filler Details	40.	12P2535	Cowl Installation
11.	12P12201	Shim	41.	12P12110	Aux Inlet Inst.
12.	12Y1438	Duct Installation	42.	12P12150	Bid Installation
13.	12P2200	Duct, Anti-ice Installation	43.	12P2530	Cowl Assy
14.	12P12143	Duct, Anti-ice	44.	12P12205	Side Wall Inst.
15.	12P12142	Connector	45.	12P12137	Retainer, Ram Panel
16.	12P12141	Duct, Anti-ice	46.	12P12136	Ram Panel
17.	12P2215	Flange	47.	12P12170	Skin, Sidewall
18.	12P2201	Duct	48.	12P12192	Support
19.	12P2204	Bracket	49.	12P12226	Strut
20.	12P2203	Flange	50.	12P2502	Ramp
21.	12P12122	Duct	51.	12P2497	Base Installation
22.	12P12250	Seal, Inst., FOD, Spike Bleed	52.	12P2505	Track
	12P12251	Support, FOD Seal	53.	12P12224	Wedge Inst, Side
23.	12P12210	Duct Inst., Spike Bleed Exit	54.	12P2485	Wedge, Side
	12P12212	Duct Assy.	55.	12P12178	Filler, Side Wedge
	12P12213	Skin, Outboard	56.	12P2489	Spike Track, Fwd
	12P12214	Junction	57.	12P12225	Wedge Inst, Upper
	12P12215	Skin, Inbd.	58.	12P12206	Filler, Upper Wedge
	12P12216	Skin, Aft	59.	12P2507	Wedge, Upper
	12P12217	Skin, Fwd	60.	12P2507	Adapter, Wedge
	12P12218	Pins	61.	12P12195	Splice, Spike Track
24.	12P12190	Cover Inst.	62.	12P12202	Plow Assy
	12P12188	Doubler	63.	12P12171	L. E. Assy, Plow
	12P12201	Shim	64.	12P12171	Bracket, Plow L. E.
25.	12P12194	Retainer, Ram Panel	65.	12P12202	Skin, Upr.
26.	12P12193	Panels, Ram	66.	12P2496	Plow
27.	12P12204	Fitting	67.	12P12205	Bracket Sidewall
28.	12P11177	Supports	68.	12P12171	Skin, Lower
29.	12P12182	Stand Off	69.	12Y943	Scoop (R. H. Side)
30.	12P12197	Diverter			

Figure 3-99 NACELLE INLET ASSEMBLY (FB-111A: B1 3-19; F-111E: A1 160-189)

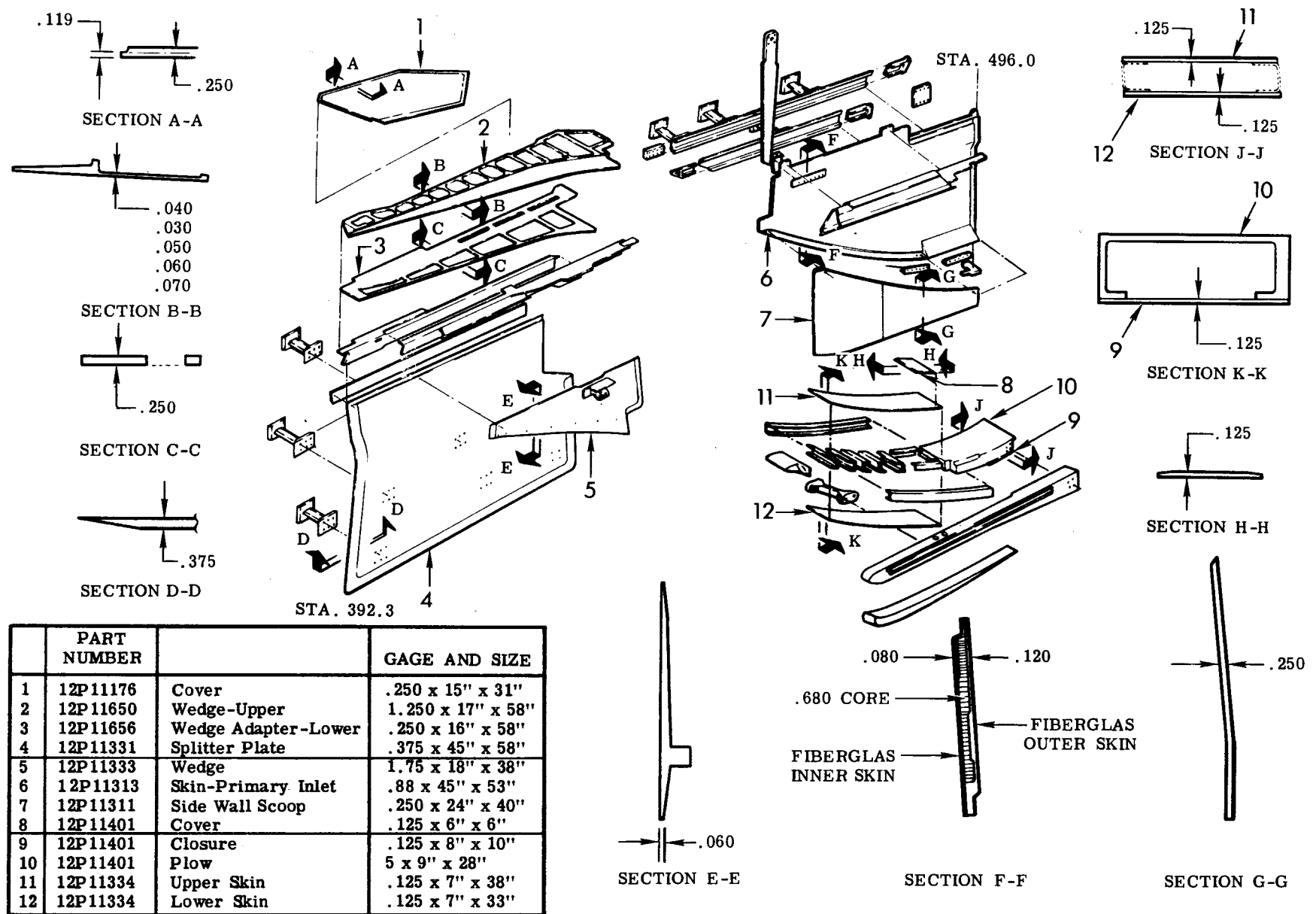


Figure 3-100 NACELLE INLET - SPLITTER PLATE, WEDGE AND PLOW (F-111A: A1 31-159)

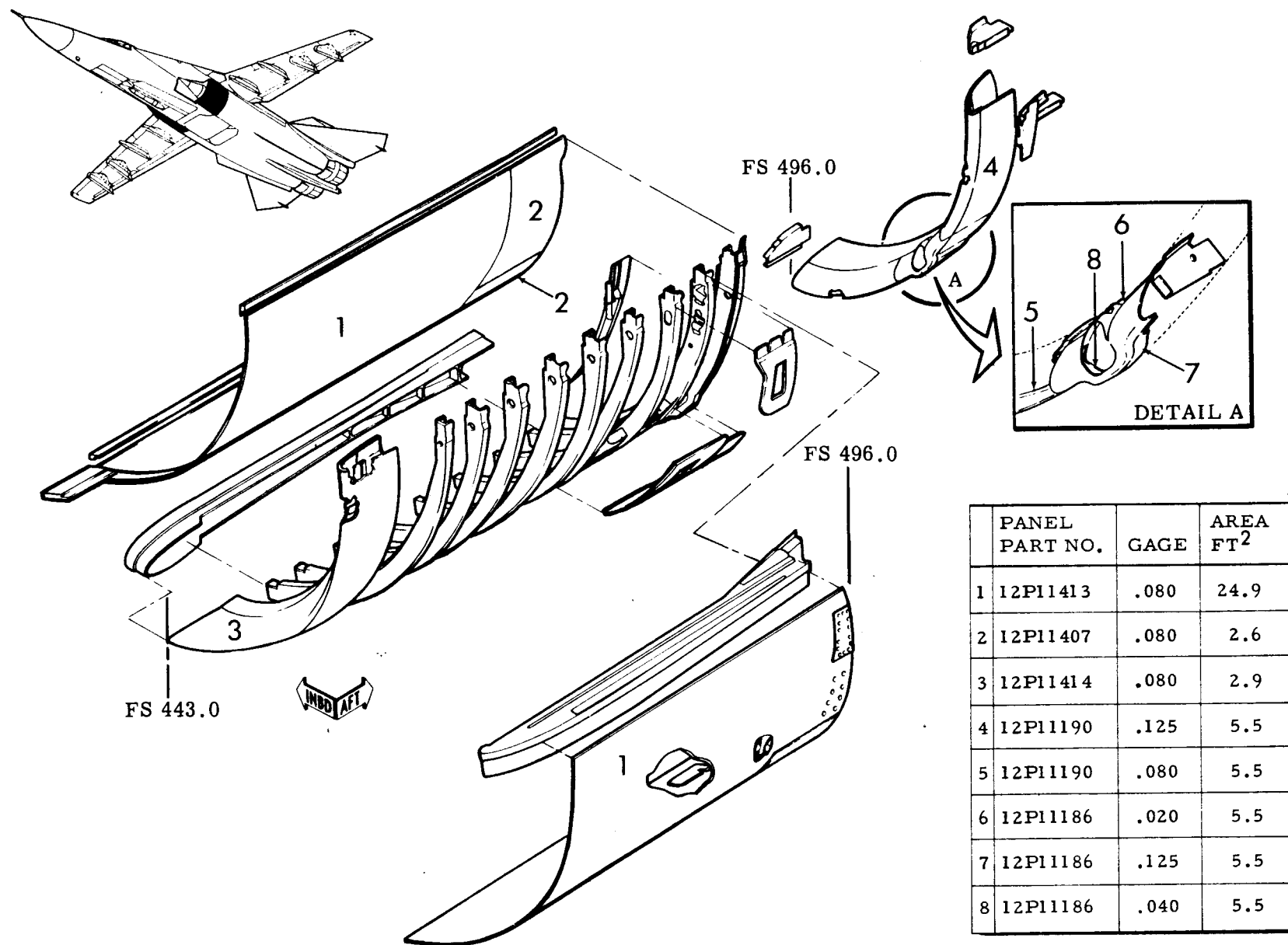


Figure 3-101 TRANSLATING AND AFT COWL SKIN DIMENSIONS (F-111A: A1 31-159)

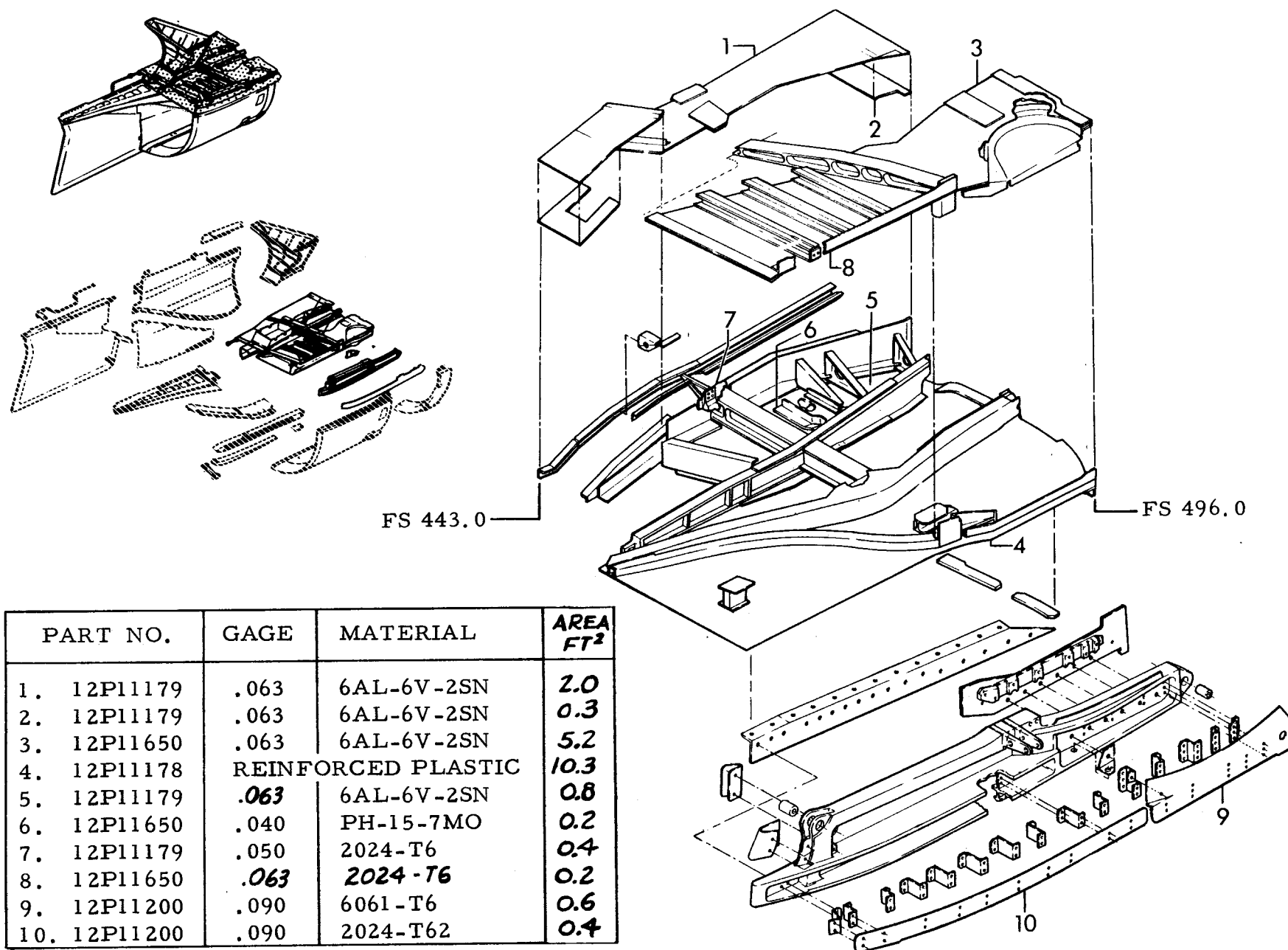


Figure 3-102 F-111A UPPER PRIMARY INLET AND TRANSLATING COWL RAIL

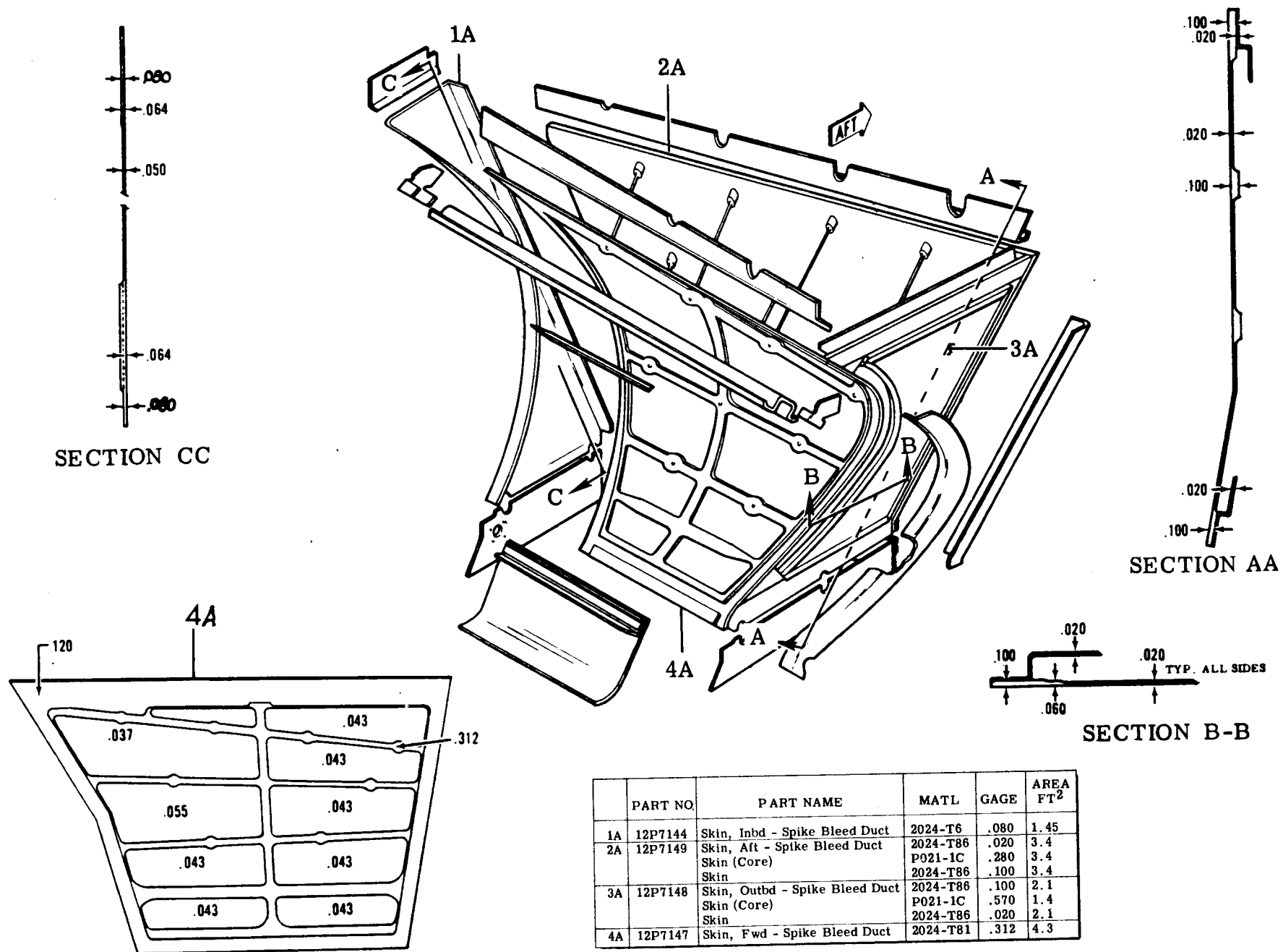


Figure 3-103 BLEED EXIT DUCT SKIN DIMENSIONS (F-111A: A1 31-159)

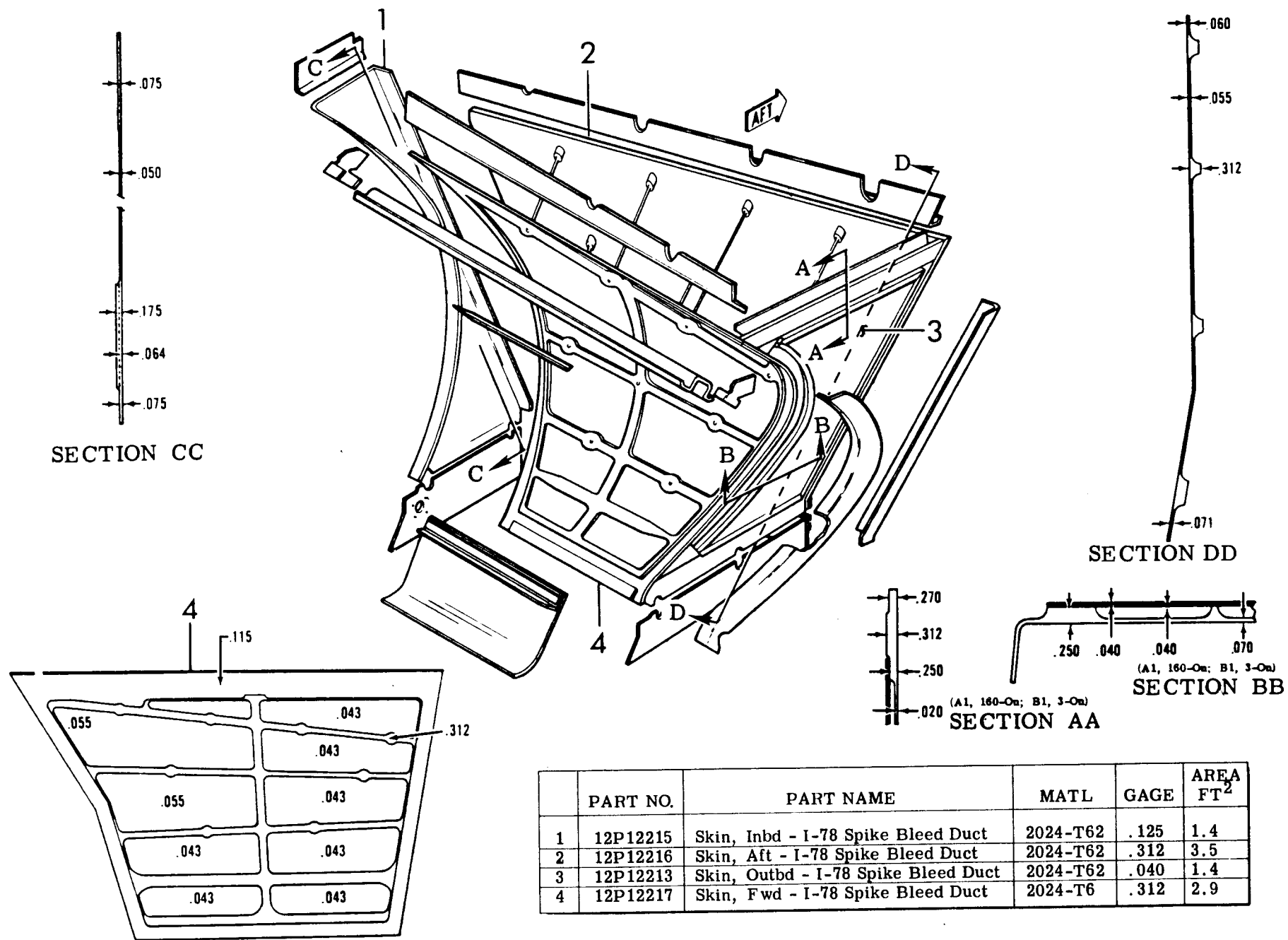


Figure 3-103A BLEED EXIT DUCT SKIN DIMENSIONS (FB-111A: B1 3 & on; F-111E: A1 160 & on)

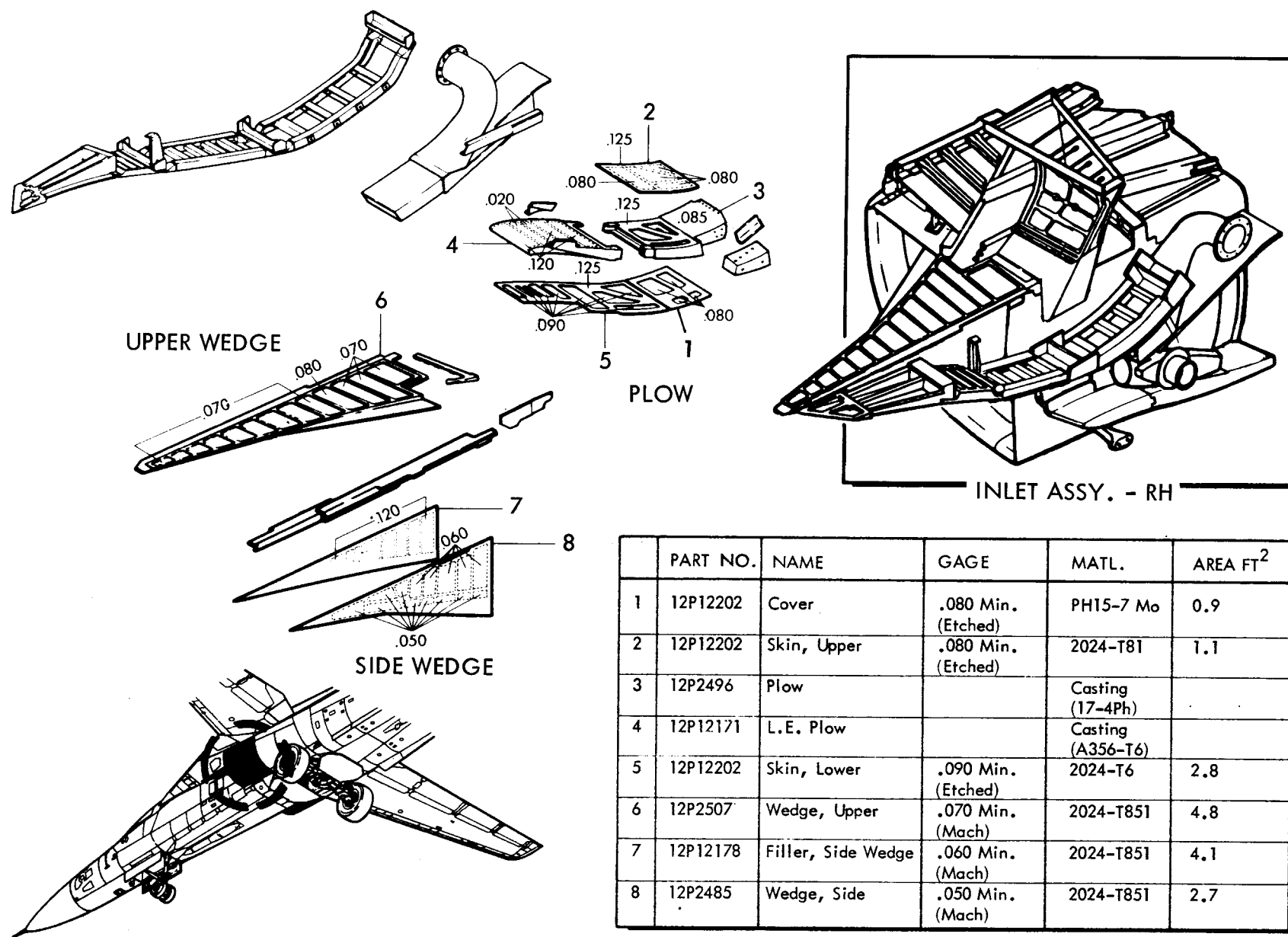


Figure 3-104 NACELLE INLET WEDGE AND PLOW (F-111E: A1 160 & on; FB-111A: B1 3 & on)

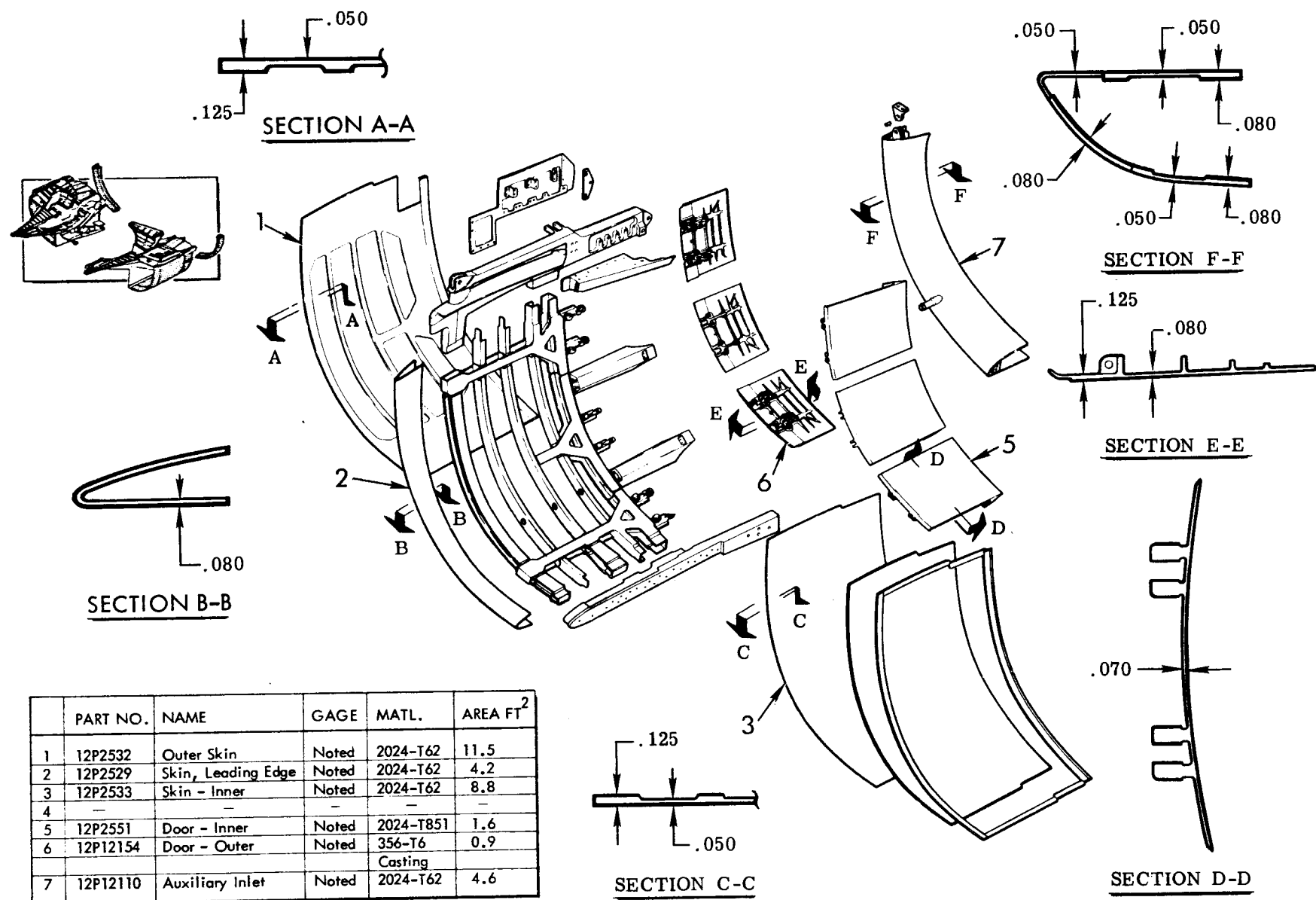


Figure 3-105 NACELLE INLET FIXED COWL (FB-111A: B1 3-6)

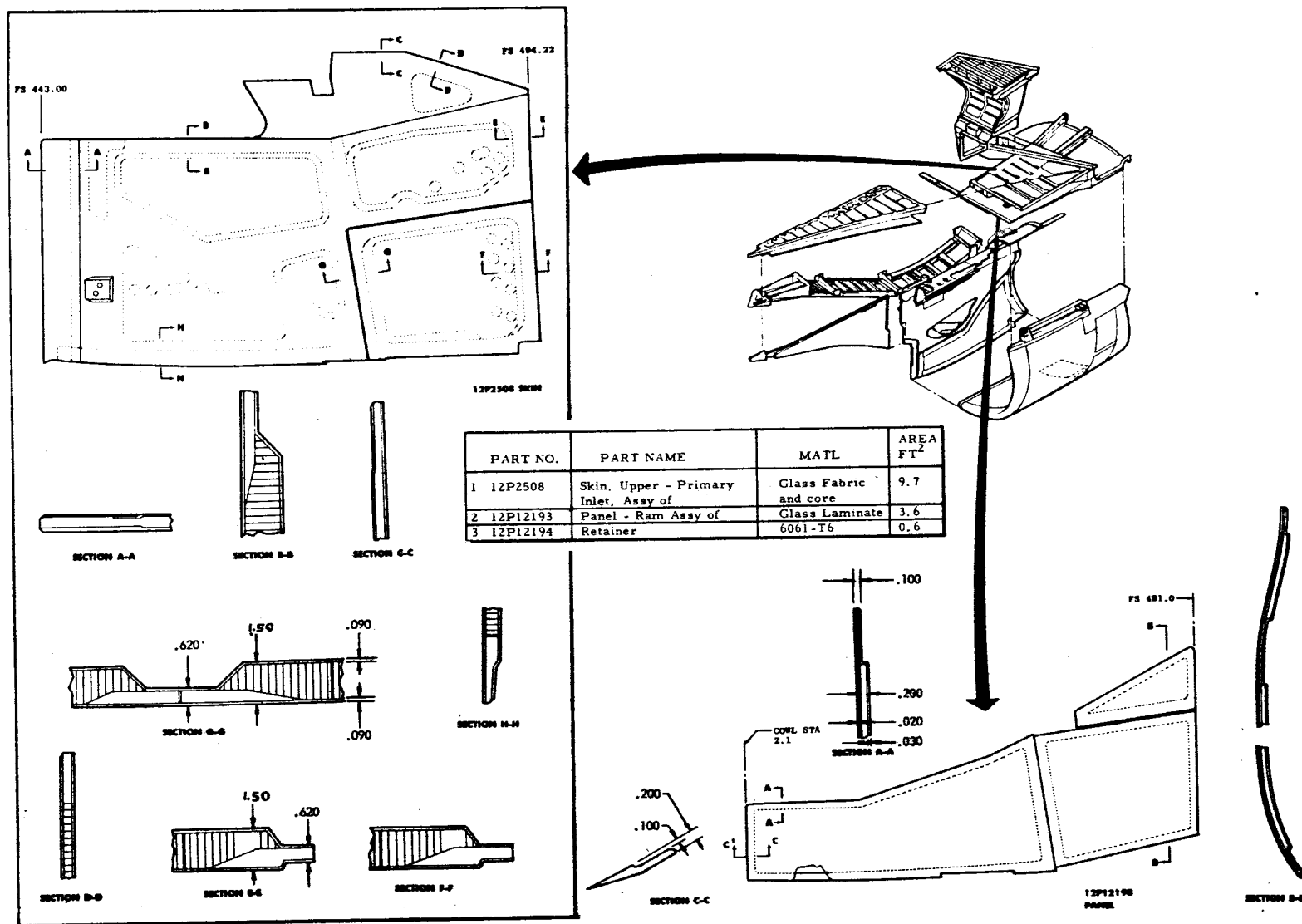
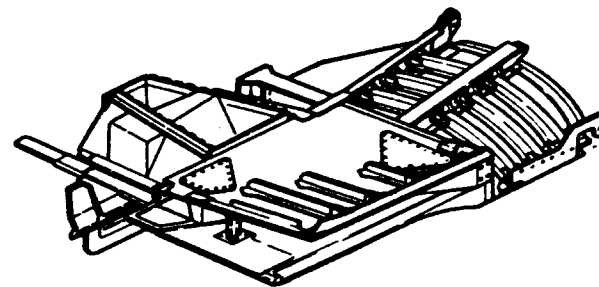
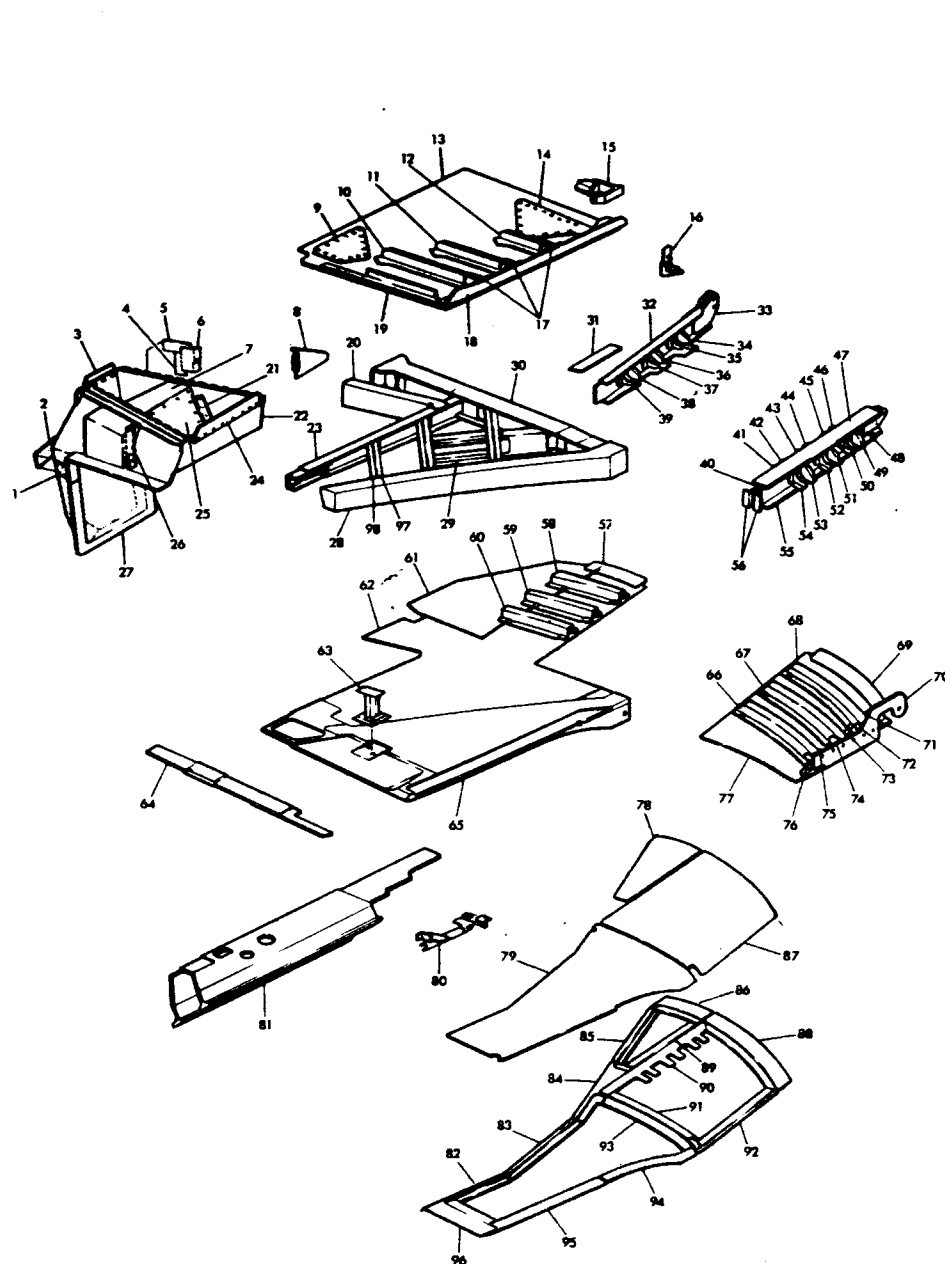


Figure 3-106 PRIMARY INLET UPPER COVER INSTALLATION (F-111E: A1 160-189; FB-111A: B1 3-19)



1	12P12211-81	SPLICE	50	12P12144-287	CLIP
2	12P12211-19	SPLICE	51	12P12144-285	CLIP
3	12P12210-7	SPLICE	52	12P12144-283	CLIP
4	12P12211-73	SPLICE	53	12P12144-281	CLIP
5	12P12211-75	SPLICE	54	12P12144-251	CLIP
6	12P12211-101	ANGLE	55	12P12144-91	PLATE
7	12P12211-99	DIVERTER	56	12P12144-103	ANGLE
8	12P12144-111	BRACKET	57	12P12144-15	SPLICE
9	12P12144-69	DOOR	58	12P12144-137	STIFFENER
10	12P12144-9, -11	STIFFENER	59	12P12144-135	STIFFENER
11	12P12144-13, -14	STIFFENER	60	12P12144-133	STIFFENER
12	12P12144-17, -19	STIFFENER	61	12P12147-11	SKIN
13	12P12144-7	SKIN	62	12P12147-15	SKIN
14	12P12144-277	DOOR	63	12P12182	STAND-OFF
15	12P12204	BRACKET	64	12P11477-17	STRAP
16	12P12144-101	BRACKET	65	12P12146-1	SKIN ASSY.
17	12P11177-11	SUPPORT	66	12P12144-139	STIFFENER
18	12P12144-279	STIFFENER	67	12P12144-141	STIFFENER
19	12P12144-23	DOUBLER	68	12P12144-143	STIFFENER
20	12P12144-25	CHANNEL	69	12P12138-17	SPLICE
21	12P12211-97	ANGLE	70	12P12139-11	CHANNEL
22	12P12211-97	ANGLE	71	12P12144-173	CLIP
23	12P12144-51	BEAM	72	12P12144-171	CLIP
24	12P12210-9	SPLICE	73	12P12144-169	CLIP
25	12P12211-83	DIVERTER	74	12P12144-167	CLIP
26	12P12211-91	ANGLE	75	12P12144-165	CLIP
27	12P12211-801	DUCT ASSY.	76	12P12144-163	CLIP
28	12P12197-31	DIVERTER	77	12P12147-13	SKIN
29	12P12144-A905	STIFFENER ASSY.	78	12P12193-801	RAM PANEL
30	12P12148-7	BEAM	79	12P12193-803	RAM PANEL
31	12P12144-227	SPLICE	80	12E2665	GUIDE
32	12P12144-47	CHANNEL	81	12P2480-A905	TRACK
33	12P12149-7	BRACKET	82	12P12194-7	RETAINER
34	12P12144-203	CLIP	83	12P12194-79	RETAINER
35	12P12144-201	CLIP	84	12P12194-75	RETAINER
36	12P12144-199	CLIP	85	12P12194-73	RETAINER
37	12P12144-193	CLIP	86	12P12194-69	RETAINER
38	12P12144-195	CLIP	87	12P12144-231	PANEL
39	12P12144-193	CLIP	88	12P12144-81	RETAINER
40	12P12144-235	CHANNEL	89	12P12144-71	RETAINER
41	12P12144-237	CHANNEL	90	12P12144-87	RETAINER
42	12P12144-175	CLIP	91	12P12144-85	RETAINER
43	12P12144-175	CLIP	92	12P12144-83	RETAINER
44	12P12144-181	CLIP	93	12P12144-77	RETAINER
45	12P12144-175	CLIP	94	12P12144-85	RETAINER
46	12P12144-185	CLIP	95	12P12144-83	RETAINER
47	12P12144-93	PLATE	96	12P12144-81	RETAINER
48	12P12144-85	BRACKET	97	12P12144-107	CHANNEL
49	12P12144-289	CLIP	98	12P12144-105	CHANNEL

Figure 3-106A PRIMARY INLET UPPER COVER INSTALLATION (F-111E: A1 190-On; FB-111A: B1 20-On)

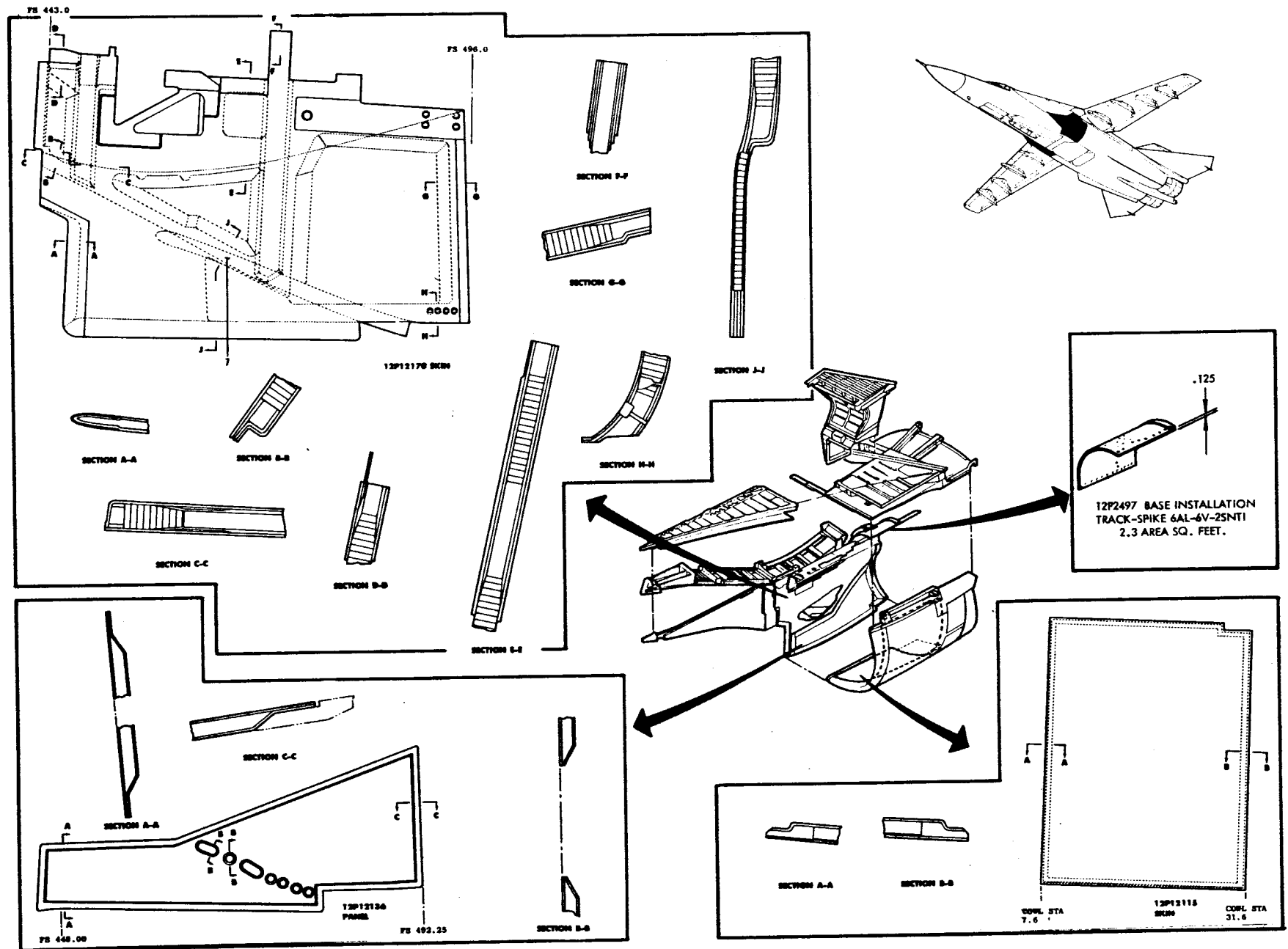


Figure 3-106B PRIMARY INLET COVER INSTALLATION (F-111E: A1 160-On; FB-111A: B1 3-On)

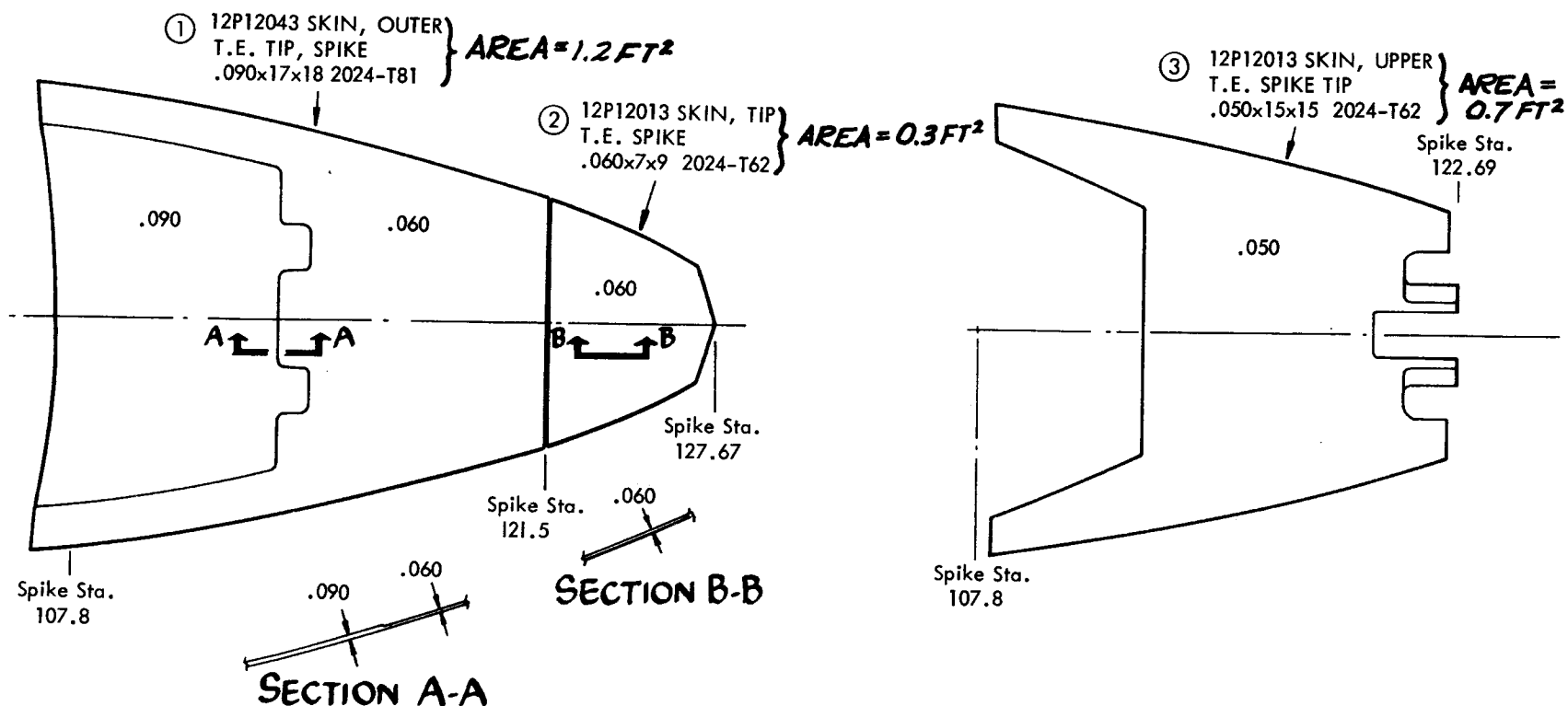
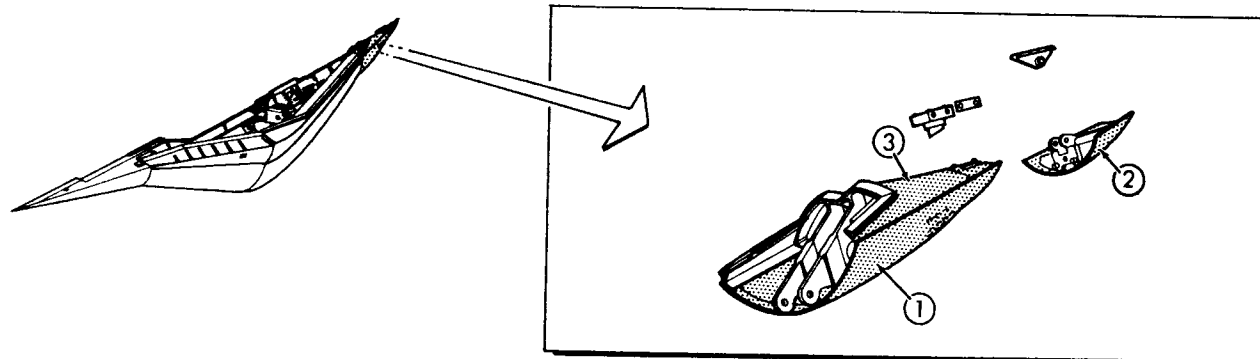


FIGURE 3-107 SPIKE SKIN DETAIL

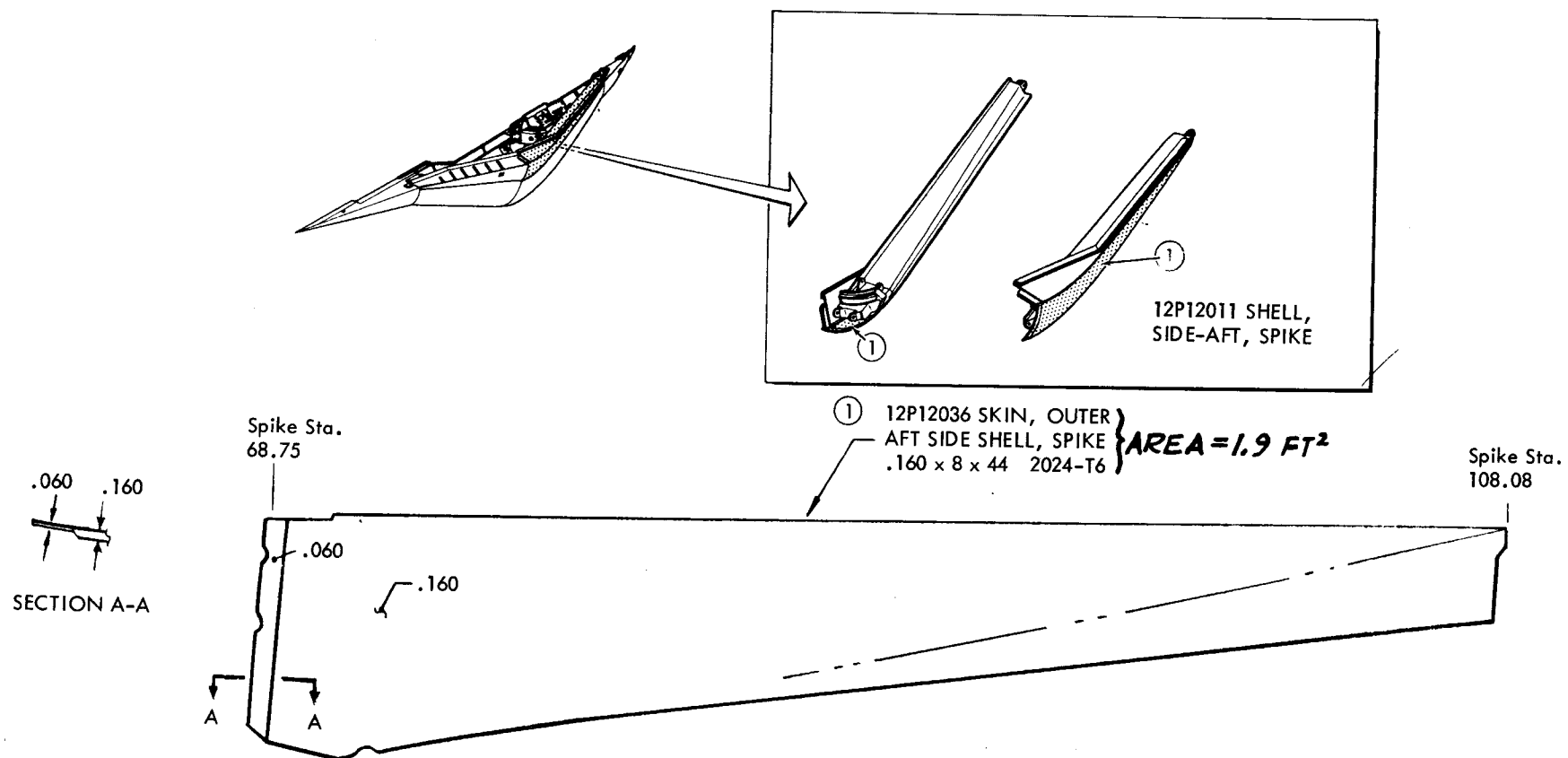


FIGURE 3-108 SPIKE SKIN DETAIL

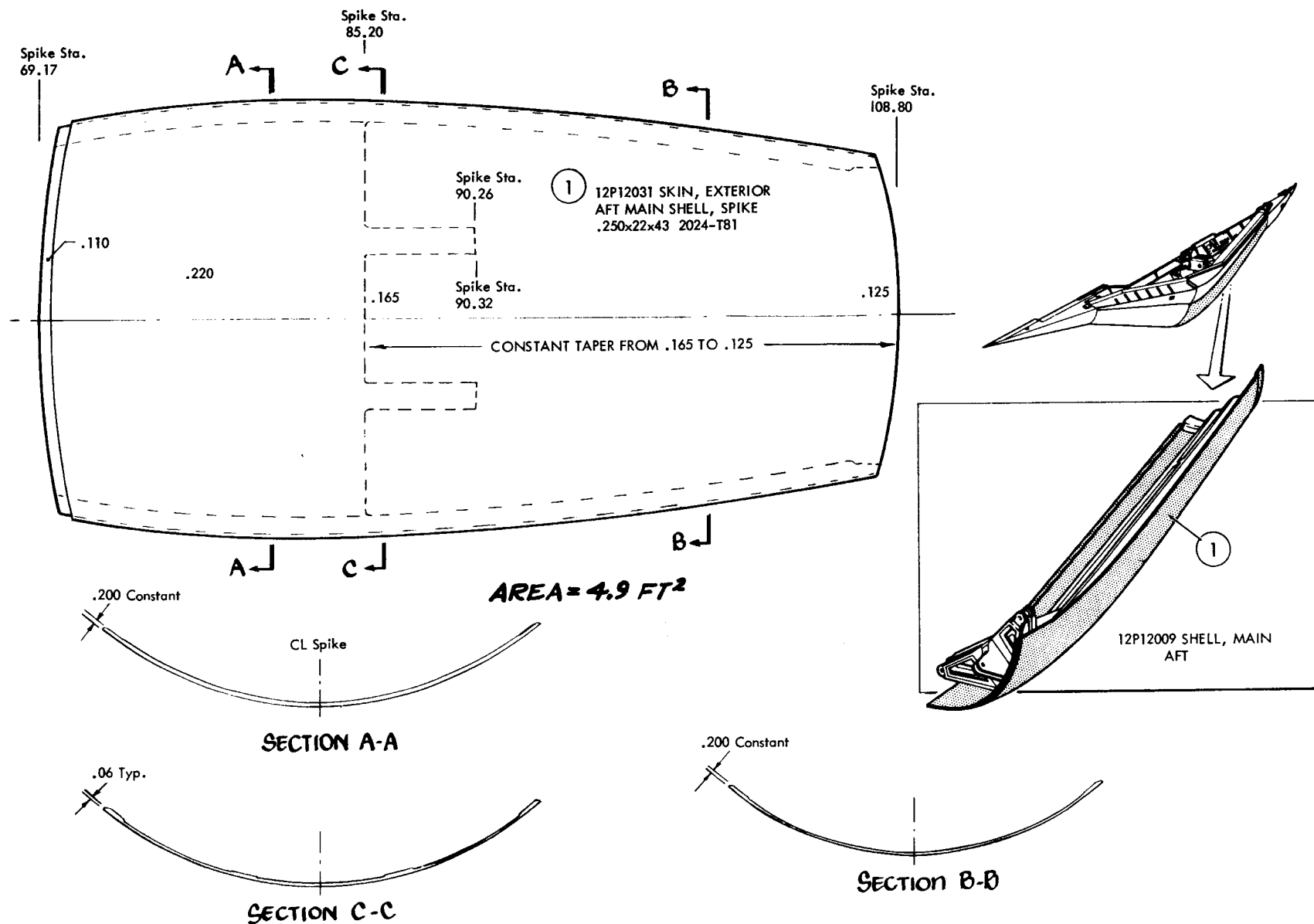


FIGURE 3-109 SPIKE SKIN DETAIL (FB-III, 3 & ON)

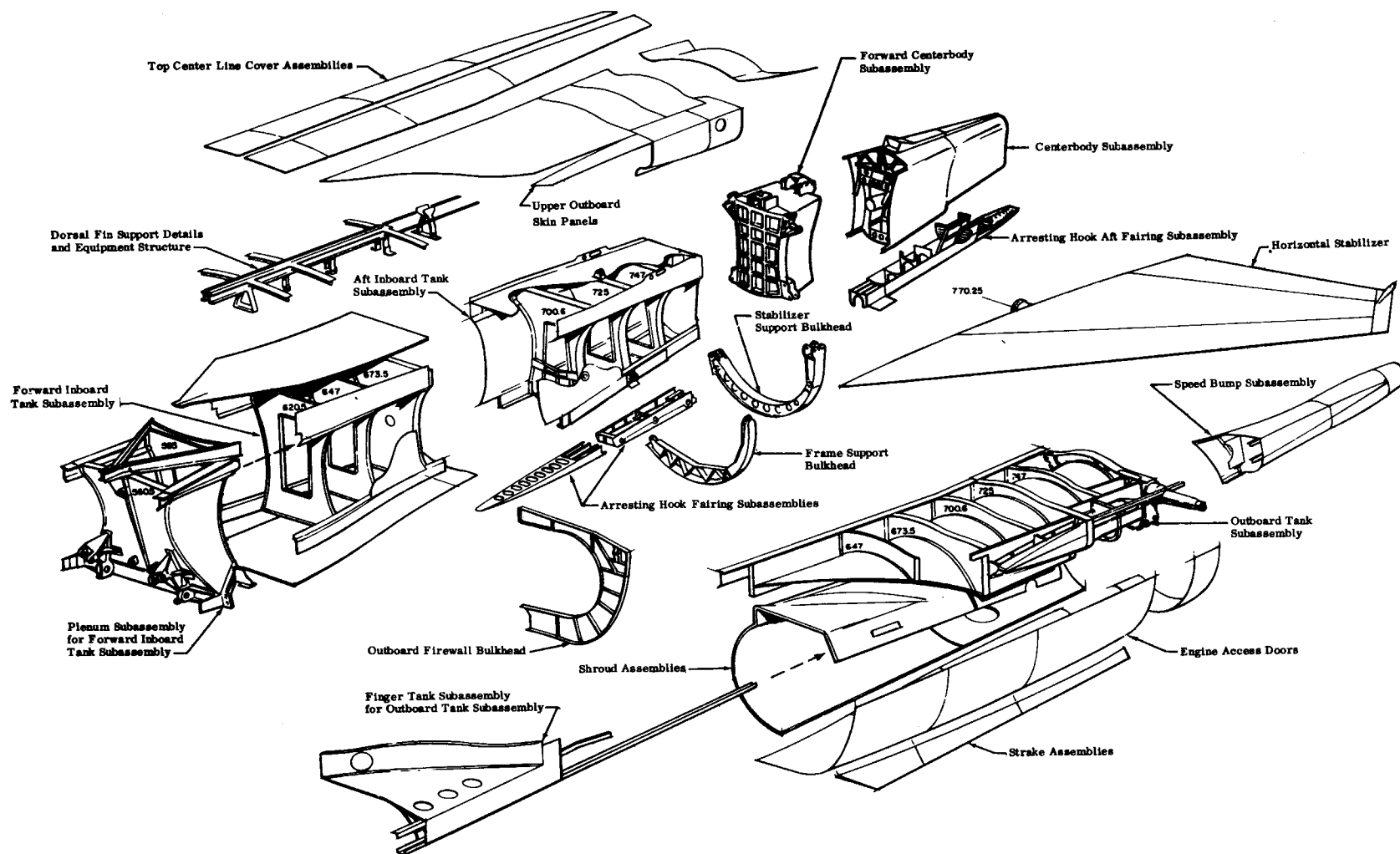
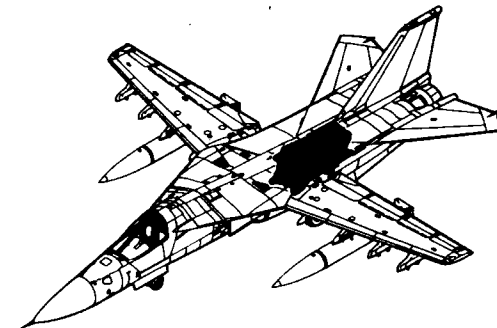
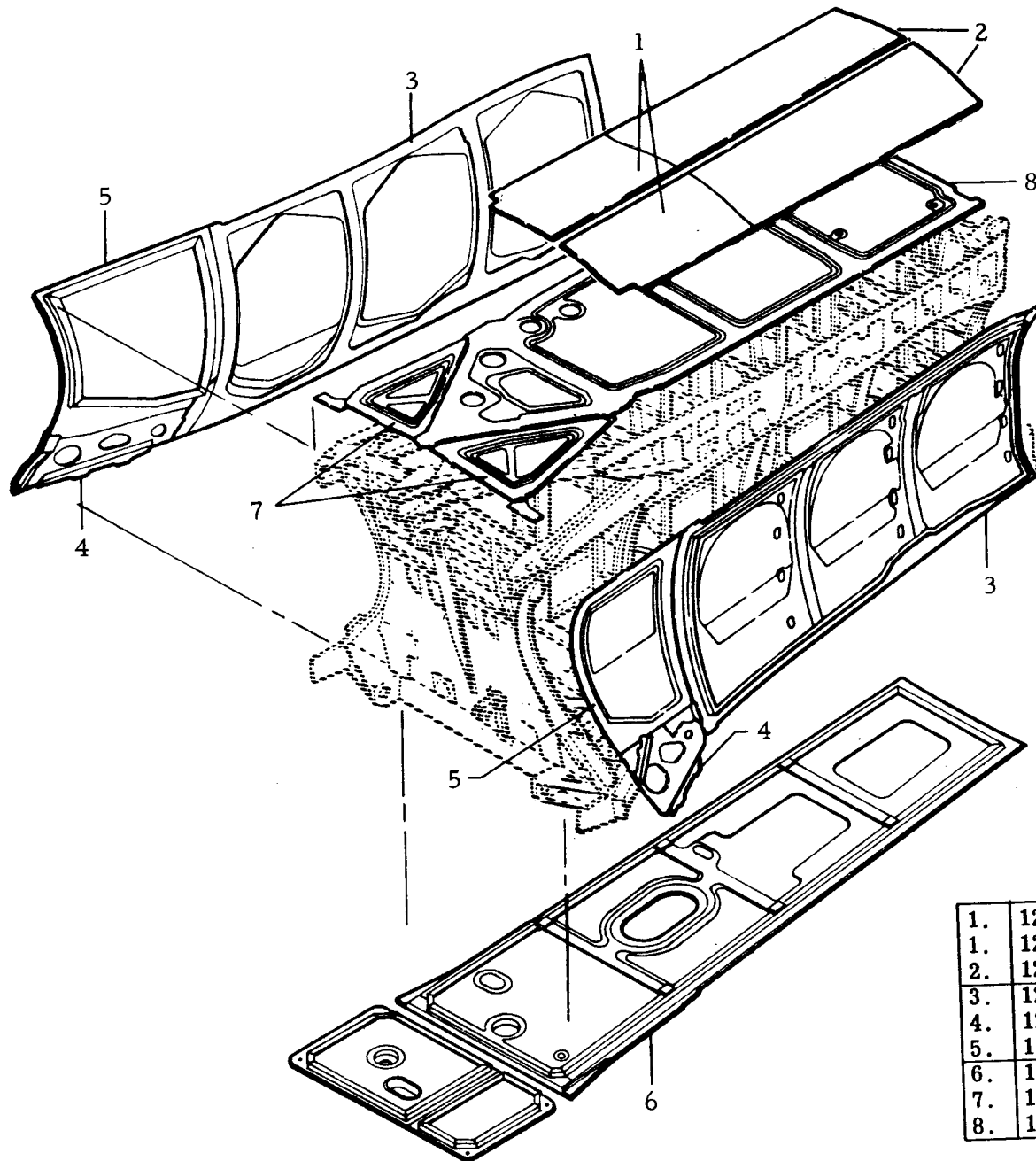


Figure 3-110 AFT FUSELAGE AND HORIZONTAL STABILIZER PRODUCTION BREAKDOWN



1.	12B604	Cover - Sta. 593-621 Upper (TAC)
1.	12B10081	Cover - Sta. 593-621 Upper (Bomber)
2.	12B601	Cover - Sta. 620-673 Upper
3.	12B10100	Wall - Sta. 593-673.5
4.	12B10111	Panel Instl. - L. G. Bhd.
5.	12B10104	Wall - Sta. 571 - 593
6.	12B10101	Panel - Sta. 593-700.6, Bottom Skin
7.	12B10105	Panel - Sta. 560.5 - 593 Underwing
8.	12B10103	Panel - Sta. 558.4 - 673.5, Top

Figure 3-111 FORWARD SUBASSEMBLY SKIN PANELS, STA. 560.5 - 693.5

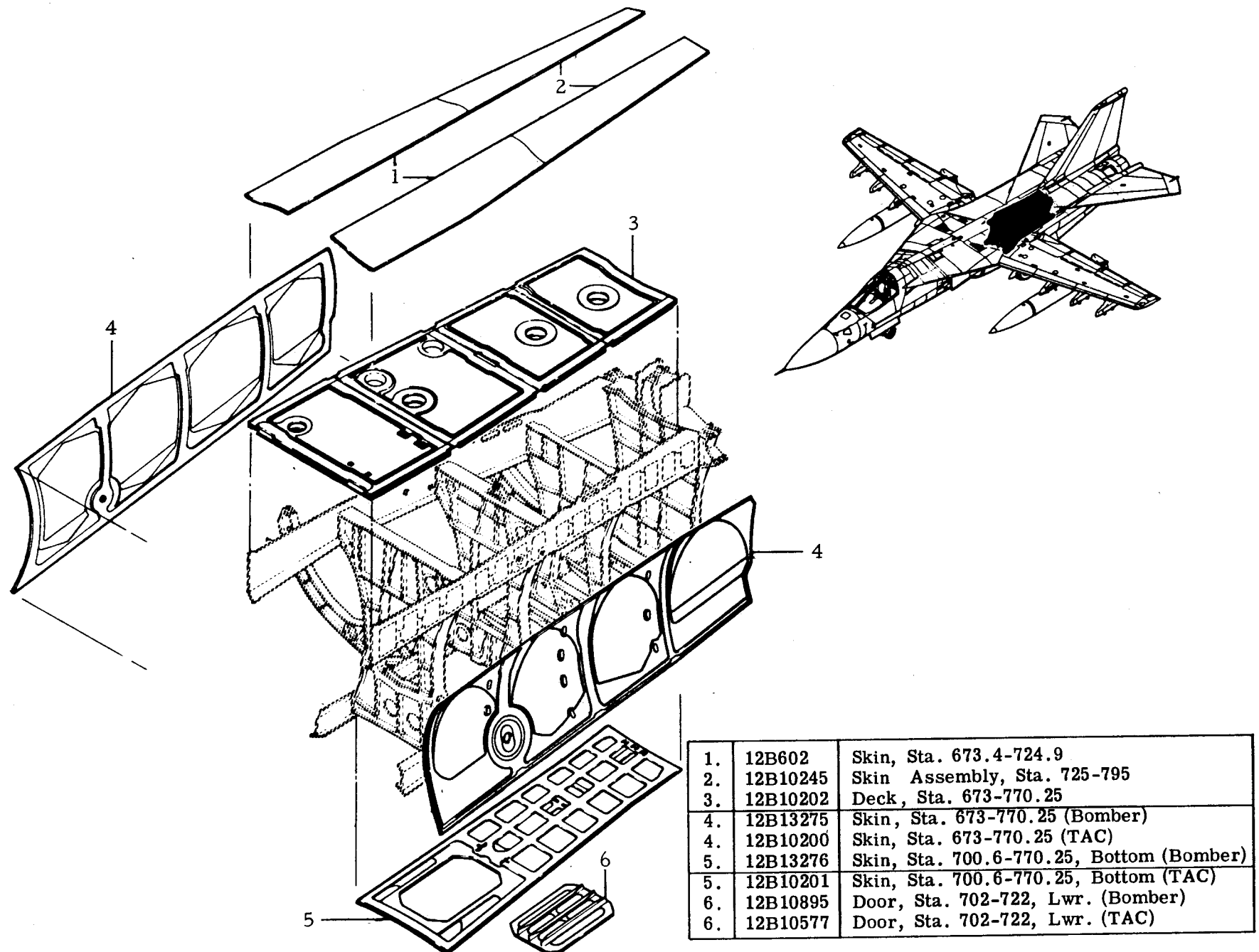


Figure 3-112 AFT SUBASSEMBLY SKIN PANELS, STA. 673 - 795

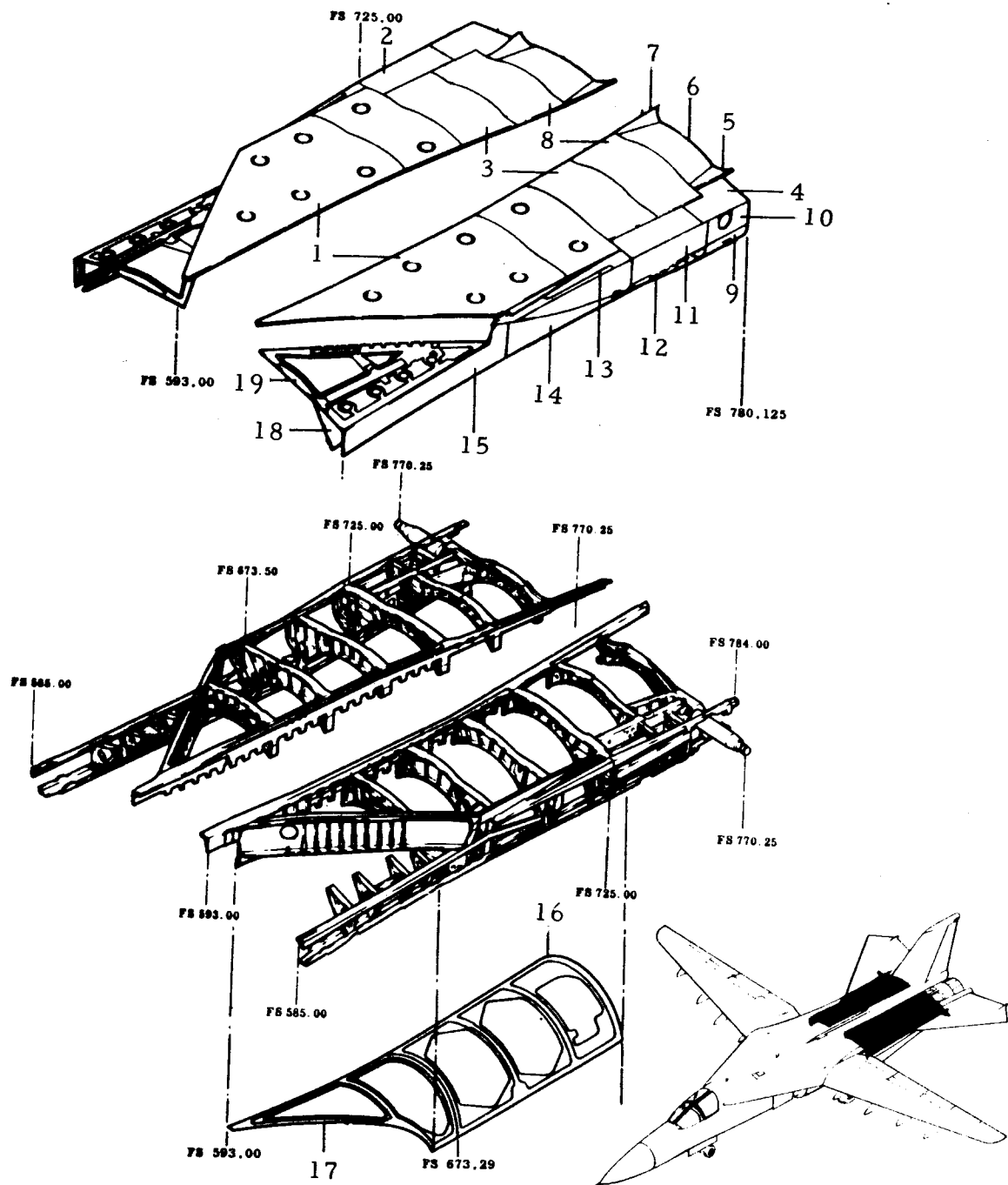


Figure 3-113

OUTBOARD SUBASSEMBLY SKIN PANELS, STA. 585 - 784

1.	12B10377	Panel (Bomber)
1.	12B10403	Panel (TAC)
2.	12B10410	Skin Etched
3.	12B10405	Panel
4.	12B10419	Cover Installation
5.	12B13363	Fillet (Bomber)
5.	12B10911	Fillet (TAC)
6.	12B13361	Skin (Bomber)
6.	12B13225	Skin (TAC)
7.	12B13362	Fillet (Bomber)
7.	12B10910	Fillet (TAC)
8.	12B10361	Panel (Bomber)
8.	12B10406	Panel (TAC)
9.	12B10421	Cover Assembly
10.	12B10420	Skin
11.	12B10418	Cover Assembly
12.	12B10410	Cover Assembly
13.	12B10437	Skin Etched
14.	12B10383	Panel (Bomber)
14.	12B10463	Panel (TAC)
15.	12B10382	Panel (Bomber)
15.	12B10407	Panel (TAC)
16.	12B10401	Panel
17.	12B10400	Panel
18.	12B10422	Panel
19.	12B10402	Panel

GAGES - UPPER SKIN PANELS - AFT FUSELAGE AND STABILIZER

(THICKNESS - INCHES)

PART NO.	OUTER		CORE	INNER		PANEL AREA (FT ²)
	EDGE	SKIN		EDGE	SKIN	
12B601	.078	.020	.455	.012	.012	5.95
602 (TAC)	.078	.016	.455	.012	.012	4.02
604 (TAC)	.078	.016	.455	.012	.012	3.15
12B10081 (SAC)	.040	.040	-	.032	.032	3.15
10082 (SAC)	.040	.040	-	.032	.032	4.02
10245	.025	.025	-	-	-	
10400	.080	.025	.650	.063	.022	
10401	.080	.020	.650	.063	.015	27.59
10402	.119	.047	.683	.063	.037	23.55
10402	.119	.047	.450	.071	.020	
10403	.190	.024	.755	.019	.029	27.09
10405	.120	.020	.480	.020	.020	7.00
10406	.224	.041	.400	.023	.023	7.00
10406	.224	.041	.805	.023	.023	
10407 (TAC)	.125	.033	.424	.035	.015	7.25
10407 (TAC)	.125	.033	.445	.035	.015	
10410	.125	.041	-	-	-	
10418	.115	.025	.380	.012	.012	2.98
10419	.125	.050	-	-	-	
10420	.125	.041	-	-	-	
10421	.125	.032	-	-	-	
10422	.160	.034	.503	.023	.023	4.28
10437	.100	.060	-	-	-	
10463 (TAC)	.125	.040	.370	.022	.022	7.28
10463 (TAC)	.125	.040	.429	.022	.022	
10463 (TAC)	.125	.040	.455	.022	.022	

GAGES - UPPER SKIN PANELS - AFT FUSELAGE AND STABILIZER
(Continued)

(THICKNESS - INCHES)

PART NO.	OUTER		CORE	INNER		PANEL AREA (FT ²)
	EDGE	SKIN		EDGE	SKIN	
10495	.032	.032	-	-	-	
12B10910	.040	.040	-	-	-	
10911	.080	.050	-	-	-	
13225 (TAC)	.060 to .080	.032	-	-	-	
13352 (SAC)	.080	.041	-	-	-	
13354 (SAC)	.275	.130	-	-	-	
13361 (SAC)	.060 to .080	.032	-	-	-	
13362 (SAC)	.040	.040	-	-	-	
13363 (SAC)	.063	.040	-	-	-	

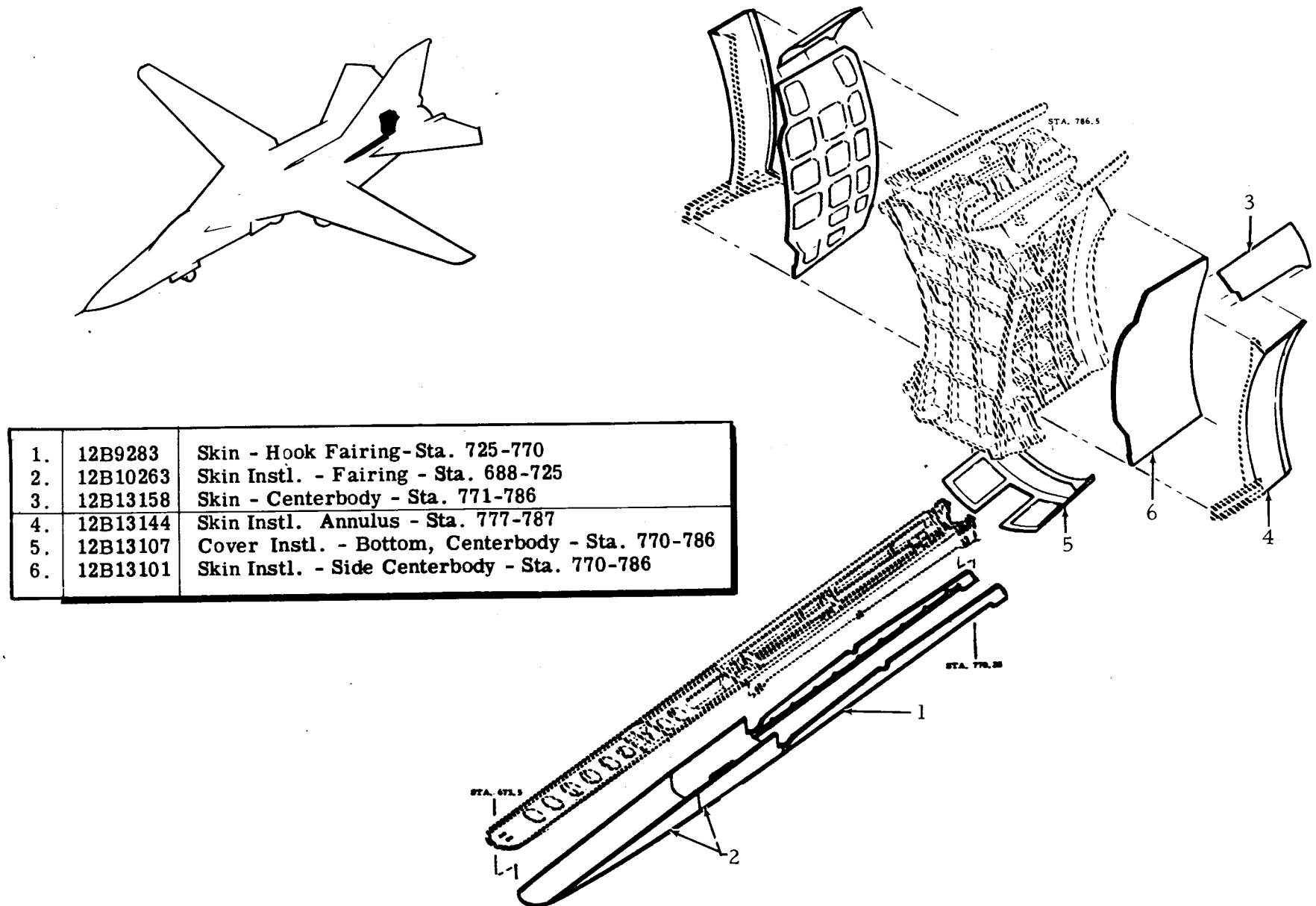


Figure 3-114 F-111A FORWARD CENTERBODY SKIN ASSEMBLIES
F-111E

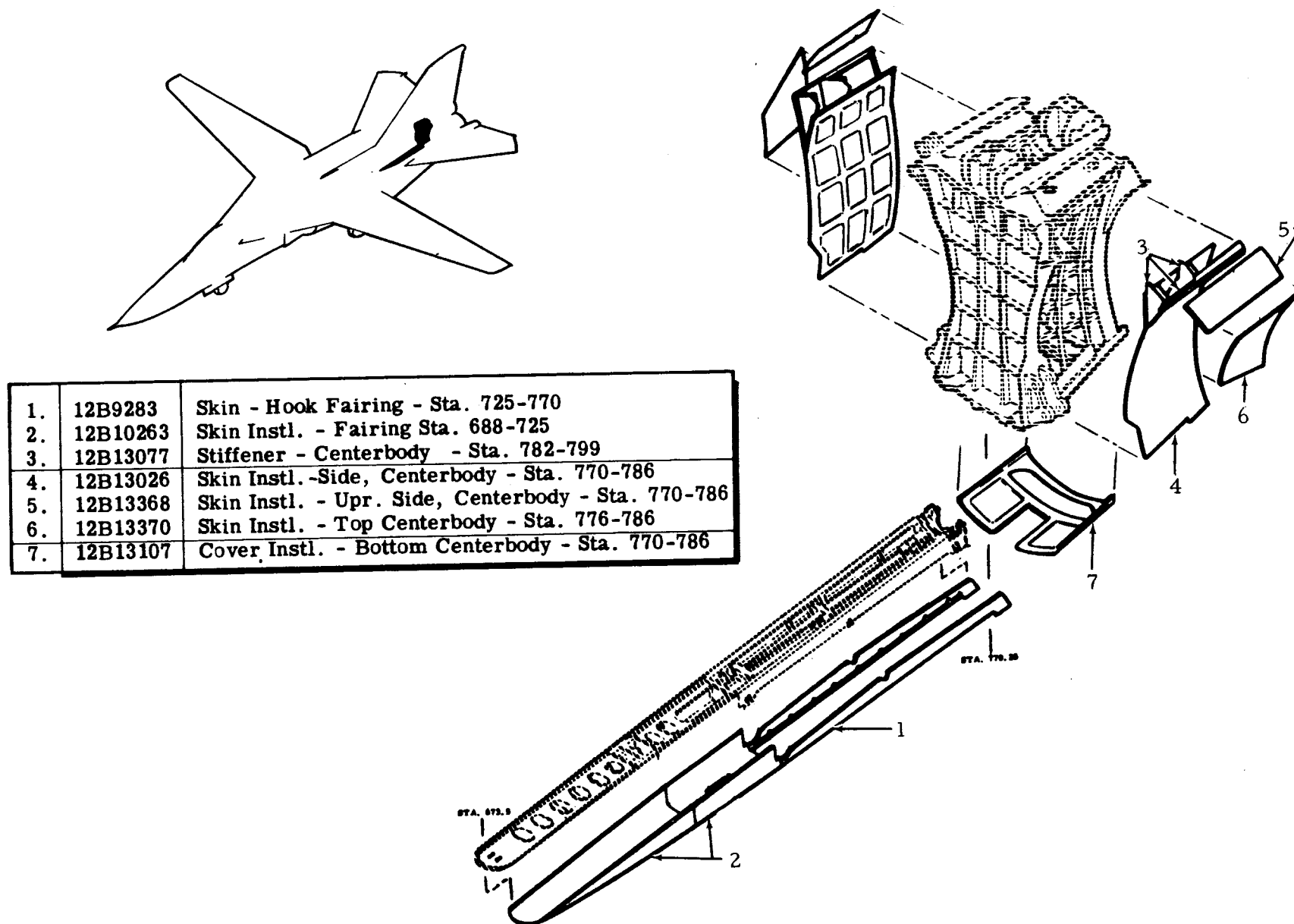


Figure 3-115 FB-111 FORWARD CENTERBODY SKIN ASSEMBLIES

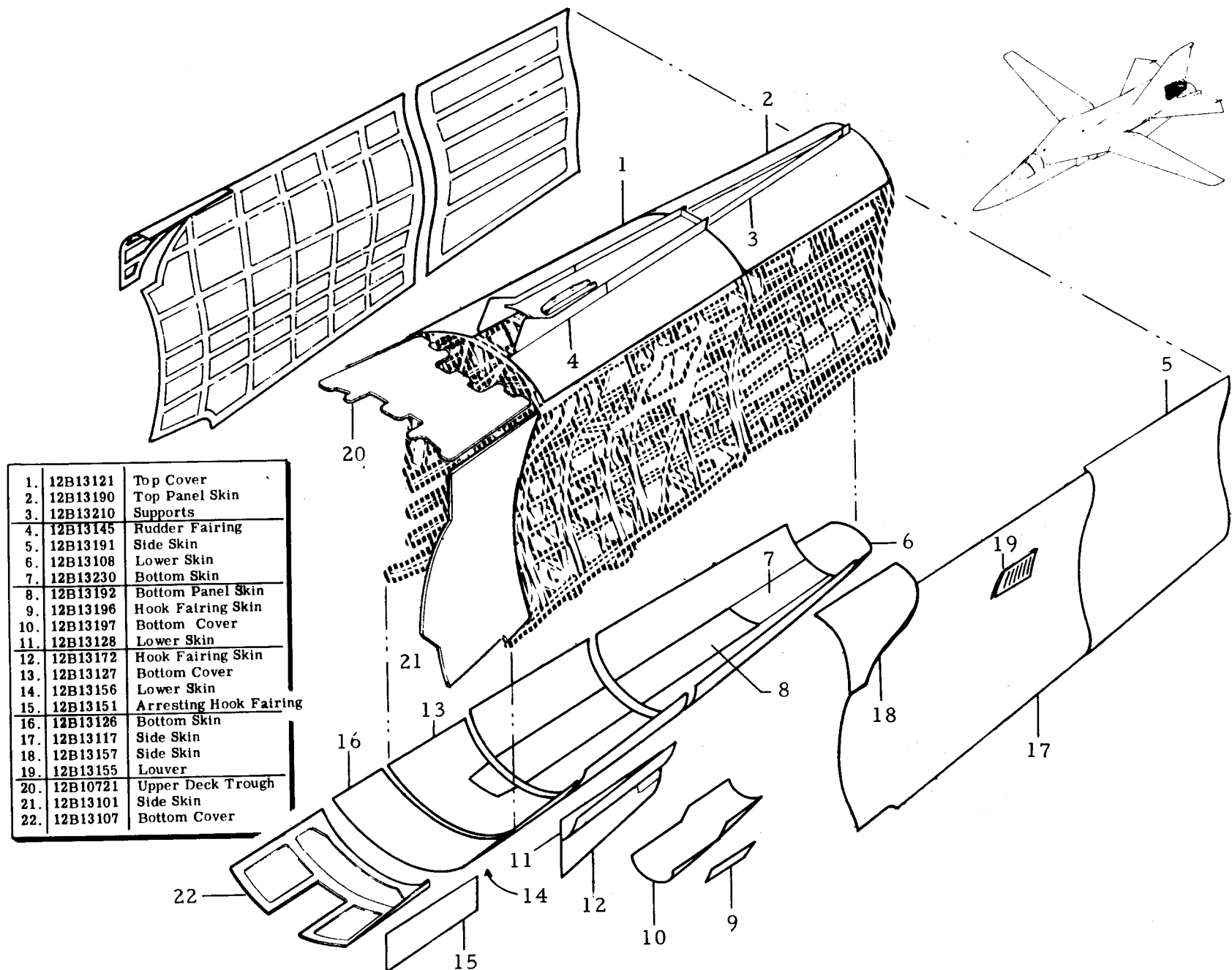


Figure 3-116 F-111A CENTERBODY SKIN PANELS STA. 770-860,
F-111E 3-121

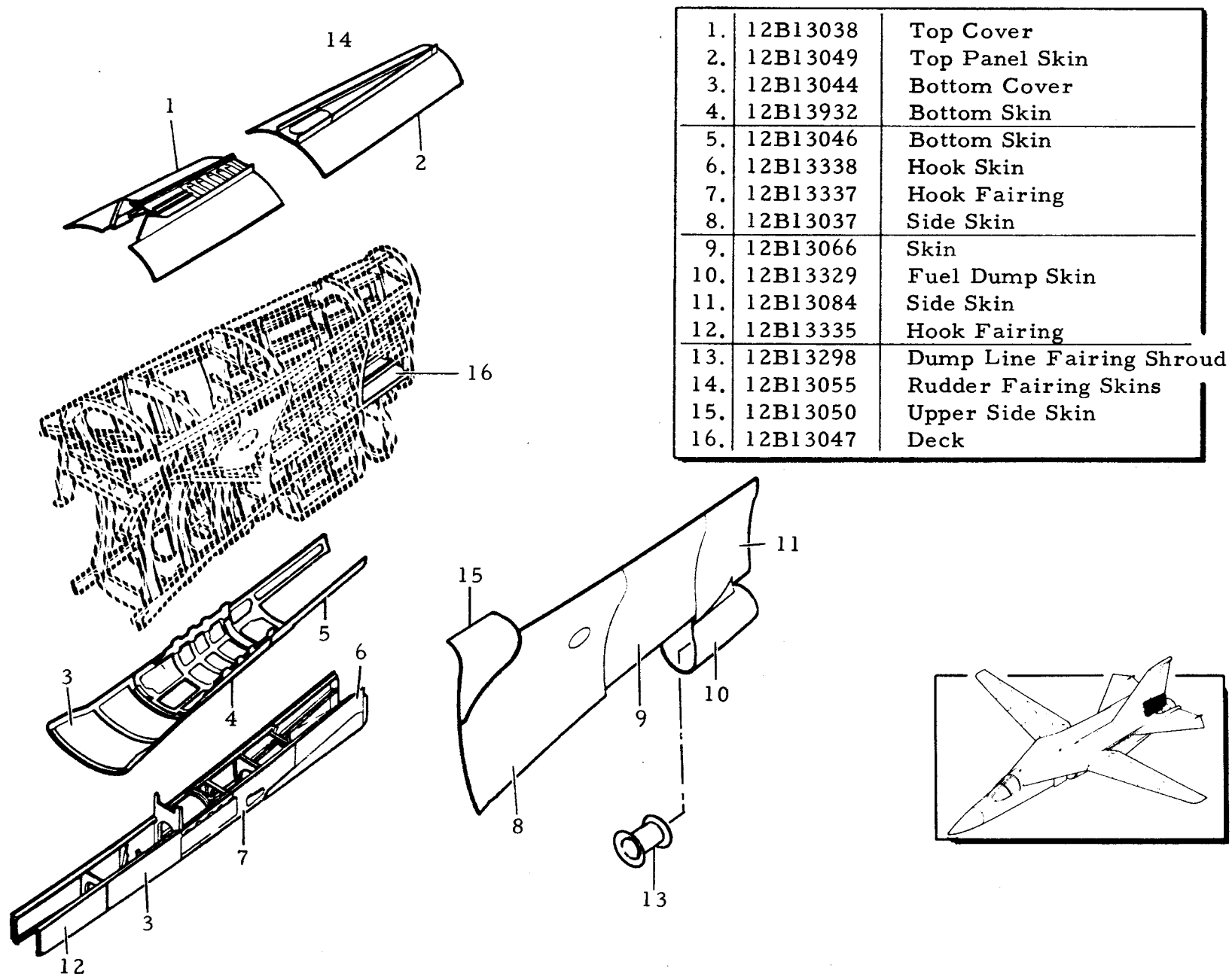


Figure 3-117 FB-111 CENTERBODY SKIN PANELS

GAGES - SKIN PANELS - AFT FUSELAGE FWD AND AFT SUBASSEMBLIES

(THICKNESS - INCHES)

PART NO.	OUTER		CORE	INNER		PANEL AREA (FT ²)
	EDGE	SKIN		EDGE	SKIN	
12B10100		.080	.650		.063	22.93
10101	.224	.034	1.110	.025	.025	23.44
10102	.125	.061	.625	.025	.025	7.35
10103	.224	.030	1.190	.020	.020	24.15
10104	.224	.066	.805	.032	.032	7.28
10105	.190	.020	.500	.025	.025	2.69
10111	.125	.125	-	-	-	
10200 (TAC)	-	.080	.650	-	.063	21.71
10201 (TAC)	.250	.080	-	-	-	
10202	.224	.030	1.190	.020	.020	17.88
12B10587 (TAC)	.188	.085	-	-	-	
10895 (SAC)	.176	.090	-	-	-	
13250 (SAC)	.080	.035	.650	.063	.028	21.71
13251 (SAC)	.250	.168	-	-	-	

GAGE - SKIN PANELS - AFT FUSELAGE CENTER BODY

(THICKNESS - INCHES)

PART NUMBER	EDGE	SKIN
12B10721	.240	.075
13101	.063	.038
13107	.100	.055 and .075
13108	.063	.032
13117	.130	.100
13121	.100	.050 and .075
13126	.125	.063
13127	.090	.045
13128	.063	.030
13145	.080	.032
13151	.090	.045
13155	.032	-
13156	.090	.035
13157	.125 and .040	.063
13172	-	.040
13190	.130	.100
13191	.063	.032
13192	.130	.100
13196	.110	.060
13197	.050 and .060	.110
13230	.063	.032

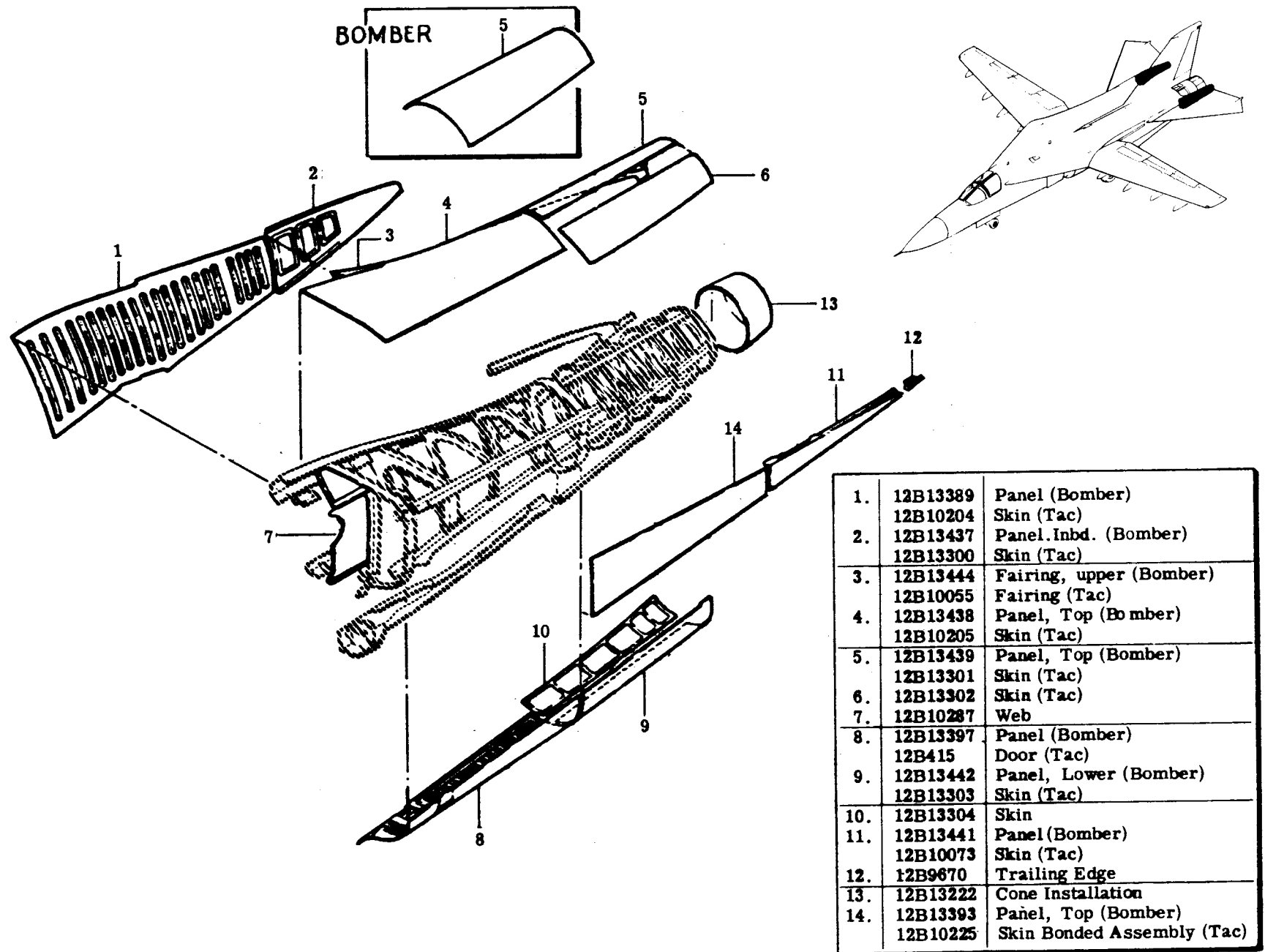


Figure 3-118 SPEED BUMP SKIN PANELS, STA. 770.25 - 855.00

GAGE - SKIN PANELS - SPEED BUMPS - F-111A/F-111E

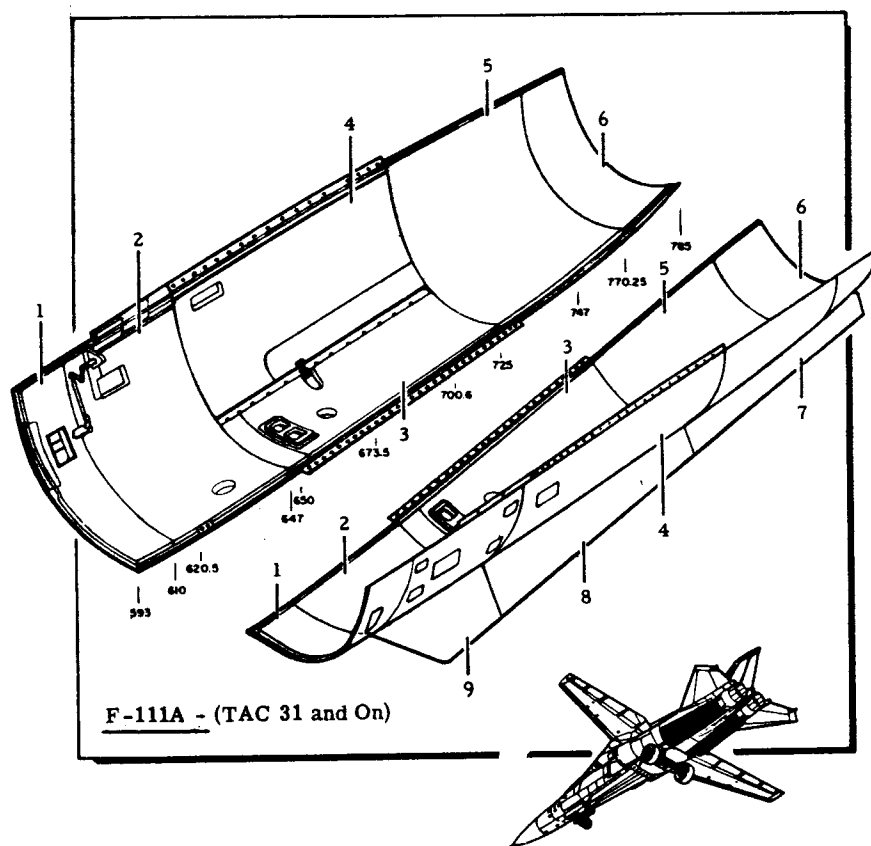
(THICKNESS - INCHES)

PART NUMBER	EDGE	SKIN
*12B413	.050	.050
12B415	.024	.024
*12B9670	-	.040 to .225
12B10055	.050	.050
12B10073	.080	.020
12B10204	.024	.024
12B10205	.024	.024
12B10225	.024	.024
12B13300	.063	.030
12B13301	.063	.030
12B13302	.063	.043
12B13303	.063	.043
12B13304	.063	.030
12B13222	.090	.060

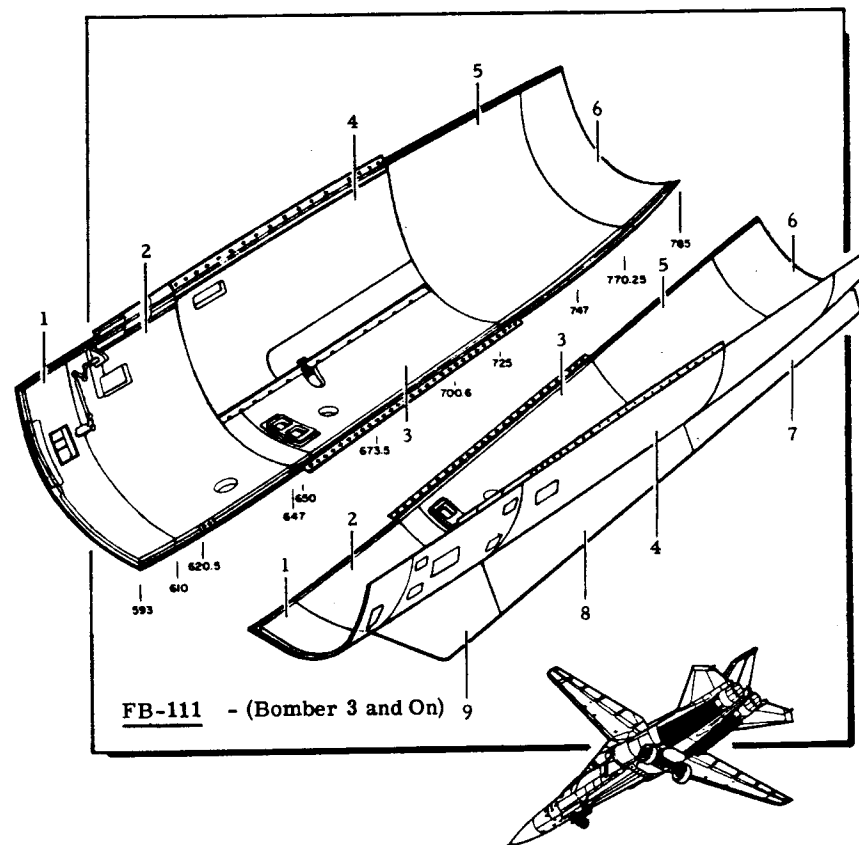
GAGE - SKIN PANELS - SPEED BUMPS - FB-111 3 AND ON

(THICKNESS - INCHES)

PART NUMBER	EDGE	OUTER	INNER
12B9670	-	.040 to .225	-
13389	-	.024	.020
13393	-	.024	.020
13396	.090	.060	-
13397	-	.024	-
13437	-	.090	-
13438	-	.024	.020
13439	.090	.080 and .070	-
13441	.080	.040	-
13442	.090	.080 and .070	-
13444	.130	.080	-



1.	12B10014	Engine Door #1
2.	12B10011	Engine Door #2
3.	12B10015	Engine Door #4
4.	12B10012	Engine Door #3
5.	12B10013	Engine Door #5
6.	12B13226	Fairing, Lower
7.	12B10416	Strake, Door #5
8.	12B10415	Strake, Door #3
9.	12B10414	Strake, Door #2



1.	12B10014	Engine Door #1
2.	12B13411	Engine Door #2
3.	12B13415	Engine Door #4
4.	12B13412	Engine Door #3
5.	12B13413	Engine Door #5
6.	12B13351	Fairing, Lower
7.	12B13457	Strake, Door #5
8.	12B13456	Strake, Door #3
9.	12B13416	Strake, Door #2

Figure 3-119 ENGINE ACCESS DOORS AND LOWER FAIRING

(THICKNESS - INCHES)						
PART NO.	EDGE	OUTER SKIN	CORE	EDGE	INNER SKIN	AREA FT ²
12B10011	.125	.041	1.420	.125	.030	17.28
12B10012	.195	.041	1.420	.062	.028	17.14
12B10013	.160	.041	1.420	.020	.032	22.05
12B10013	.224	.066	1.420	.020	.032	
12B10013	.250	.090	1.420	.020	.032	
12B10014	.219	.041	1.420	.125	.038	8.70
12B10015	.200	.041	1.420	.020	.030	18.60
12B10414	.030	.030	.020 TO 1.75	.030	.030	3.51
12B10415	.030	.030	.020 TO 2.10	.030	.030	5.90
12B10416	.030	.030	.028 TO 1.70	.030	.030	3.40
12B13226	.080	.041	-	-	-	
12B13352	.080	.041	-	-	-	
12B13411	.078	.041	1.420	.125	.030	17.28
12B13411	.075 TO .183	.041	1.420	.125	.030	
12B13412	.053 TO .200	.041	1.420	.125	.025	17.14
12B13413	.170	.044	1.420	.125	.025	22.05
12B13413	.080 TO .250	-	1.420	.125	.025	
12B13413	.070 TO .224	-	1.420	.125	.025	
12B13415	.080 TO .200	.041	1.135	.046 TO .125	.030	18.60
12B13416						3.51
12B13456						5.90
12B13457						3.40

Figure 3-120 GAGES - SKIN PANELS -

ENGINE ACCESS DOORS

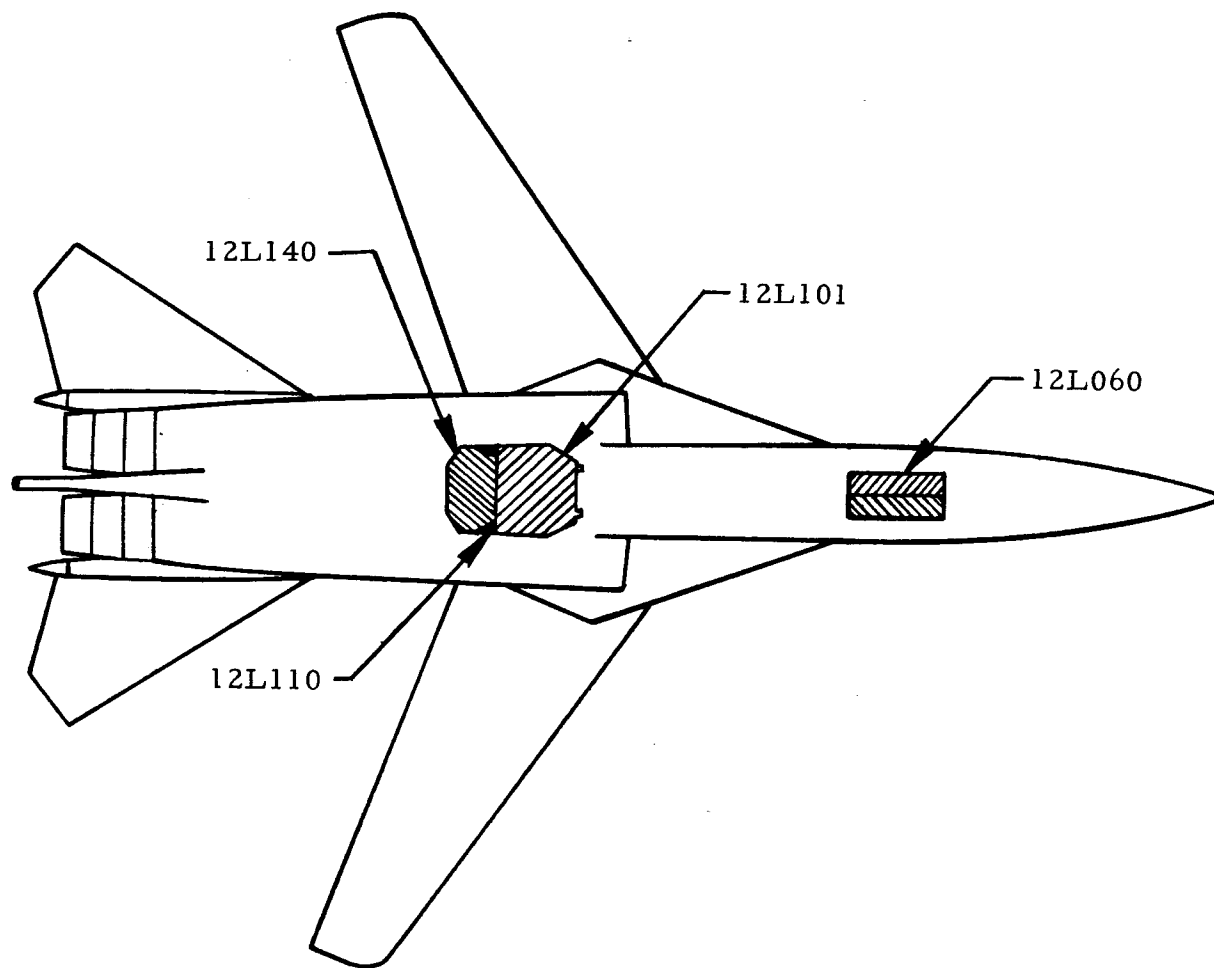


Figure 3-121

LANDING GEAR DOORS

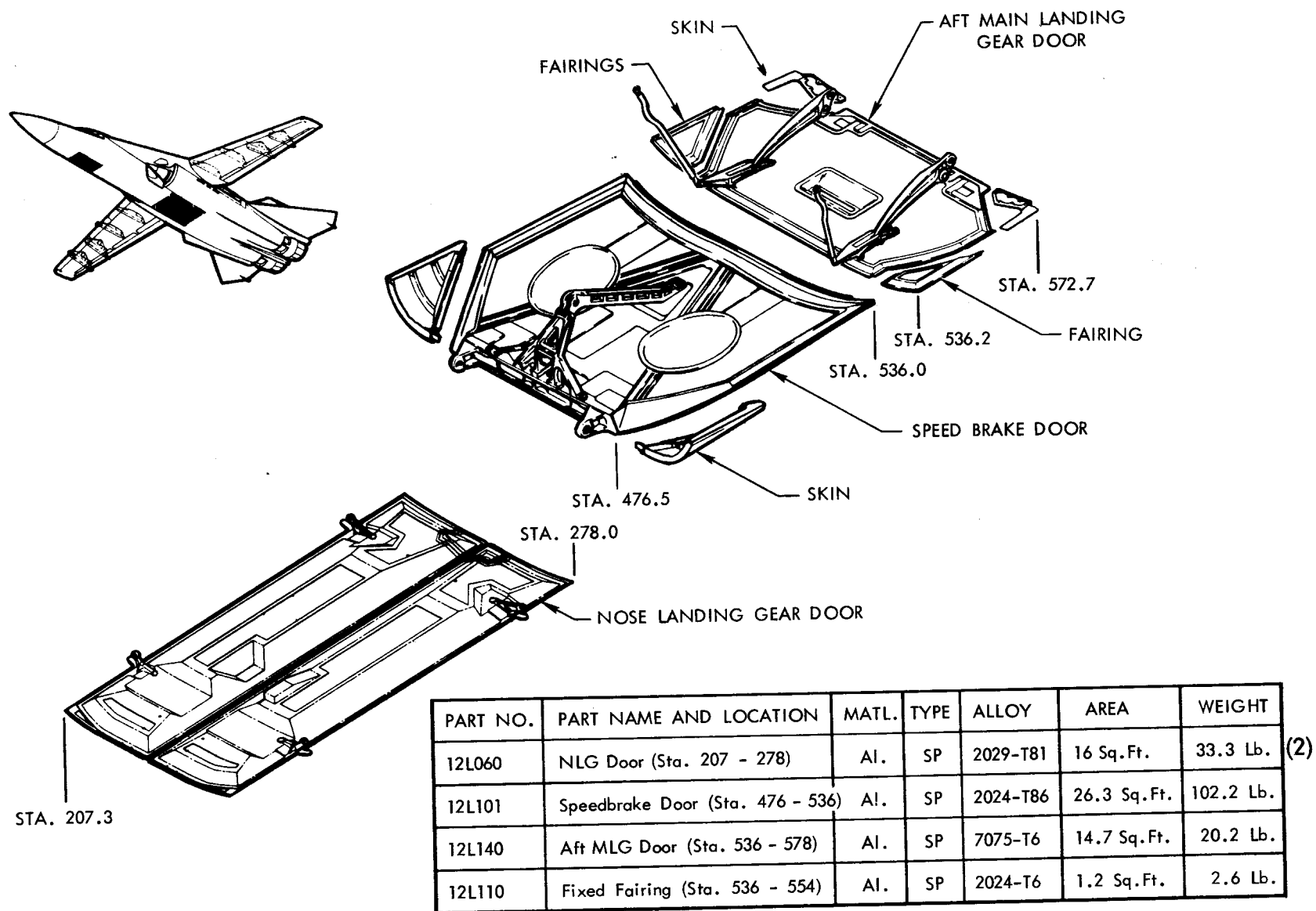


Figure 3-122 LANDING GEAR DOOR AND FAIRING SKIN DIMENSIONS

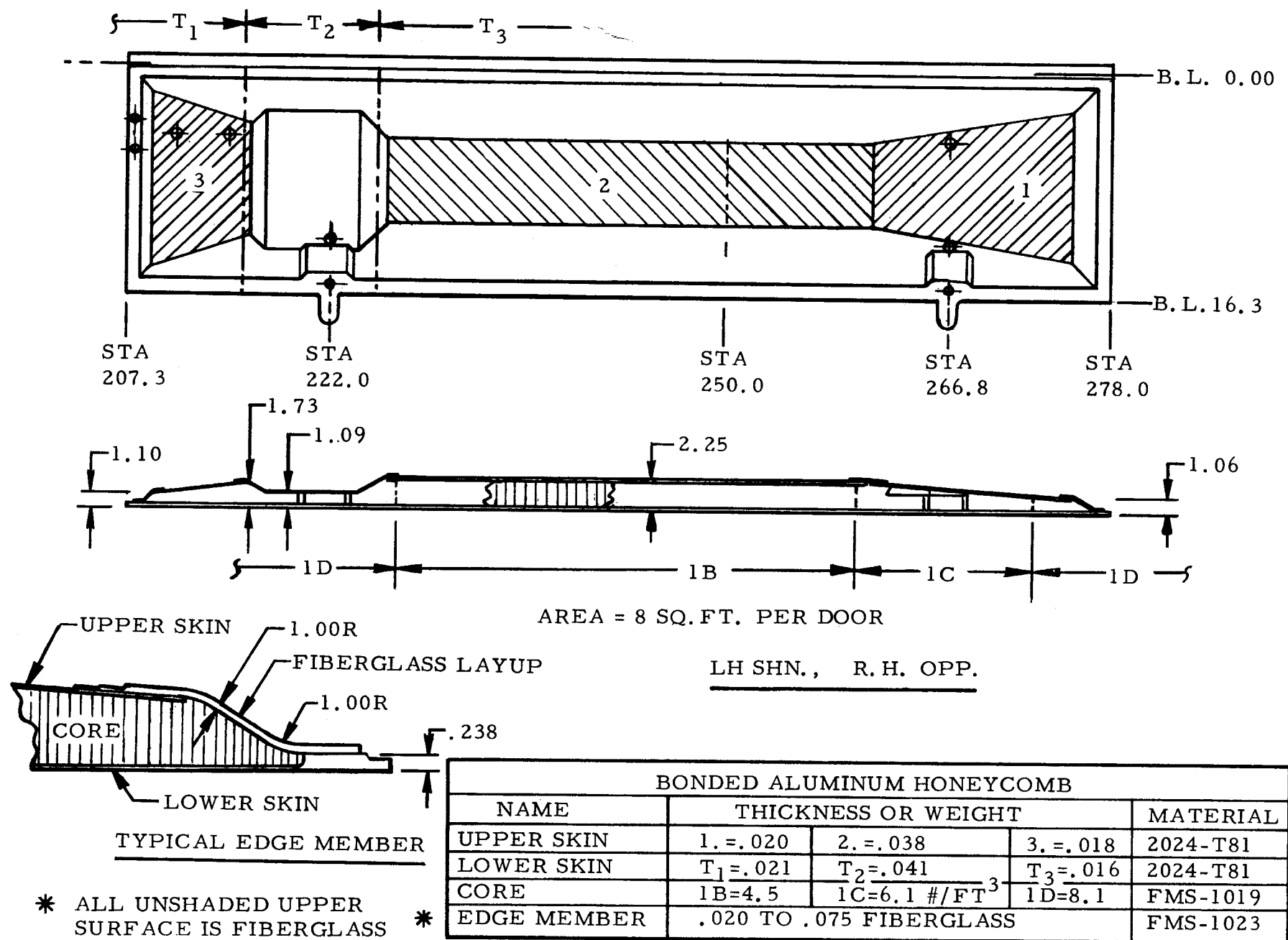


Figure 3-123 12L060 NOSE LANDING GEAR DOOR (Sta. 207 - 278)

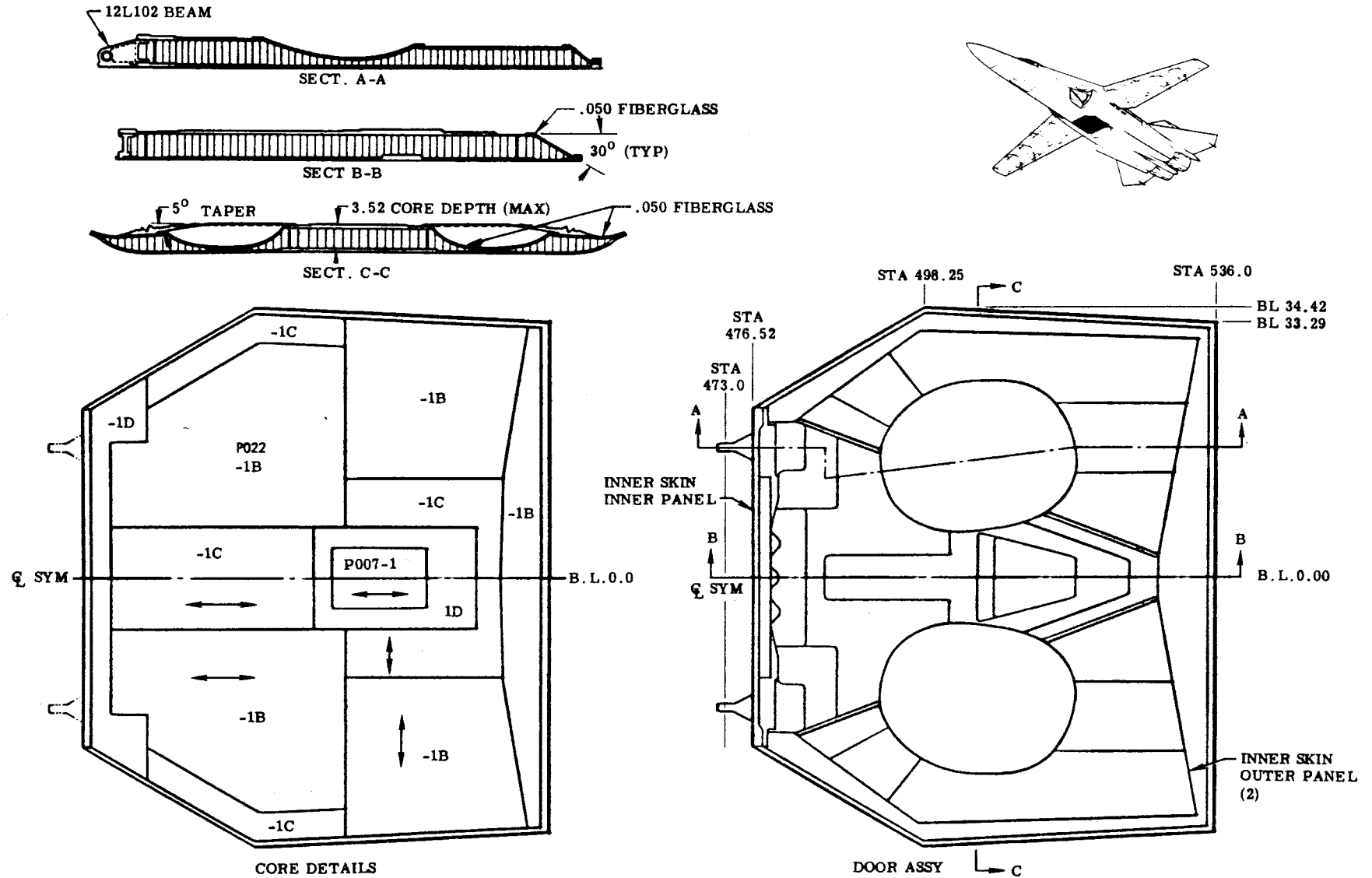


Figure 3-124 12L101 SPEEDBRAKE DOOR (STA. 476 TO 536)

$$\text{AREA} = 25 \text{ FT}^2$$

BONDED ALUMINUM HONEYCOMB									
NAME	T ₁	T ₂	T ₃	T ₄	T ₅	T ₆	T ₇	T ₈	MATERIAL
INNER SKIN INNER PANEL	.250	.140	.120	.080	.050				2024-T86
INNER SKIN OUTER PANEL					.050	.040	.020		2024-T86
OUTER SKIN	.250		.125	.080		.032	.020	.180	2024-T6
HINGE BEAM 12L102									7079-T651

NAME	WEIGHT PER CUBIC FOOT				MATERIAL
	1	1B	1C	1D	
CORE	23 LB				FMS 1083-1H
CORE		4.5 LB	6.1 LB	8.1 LB	FMS-1019

Figure 3-125 12L101 MATERIAL TABLE

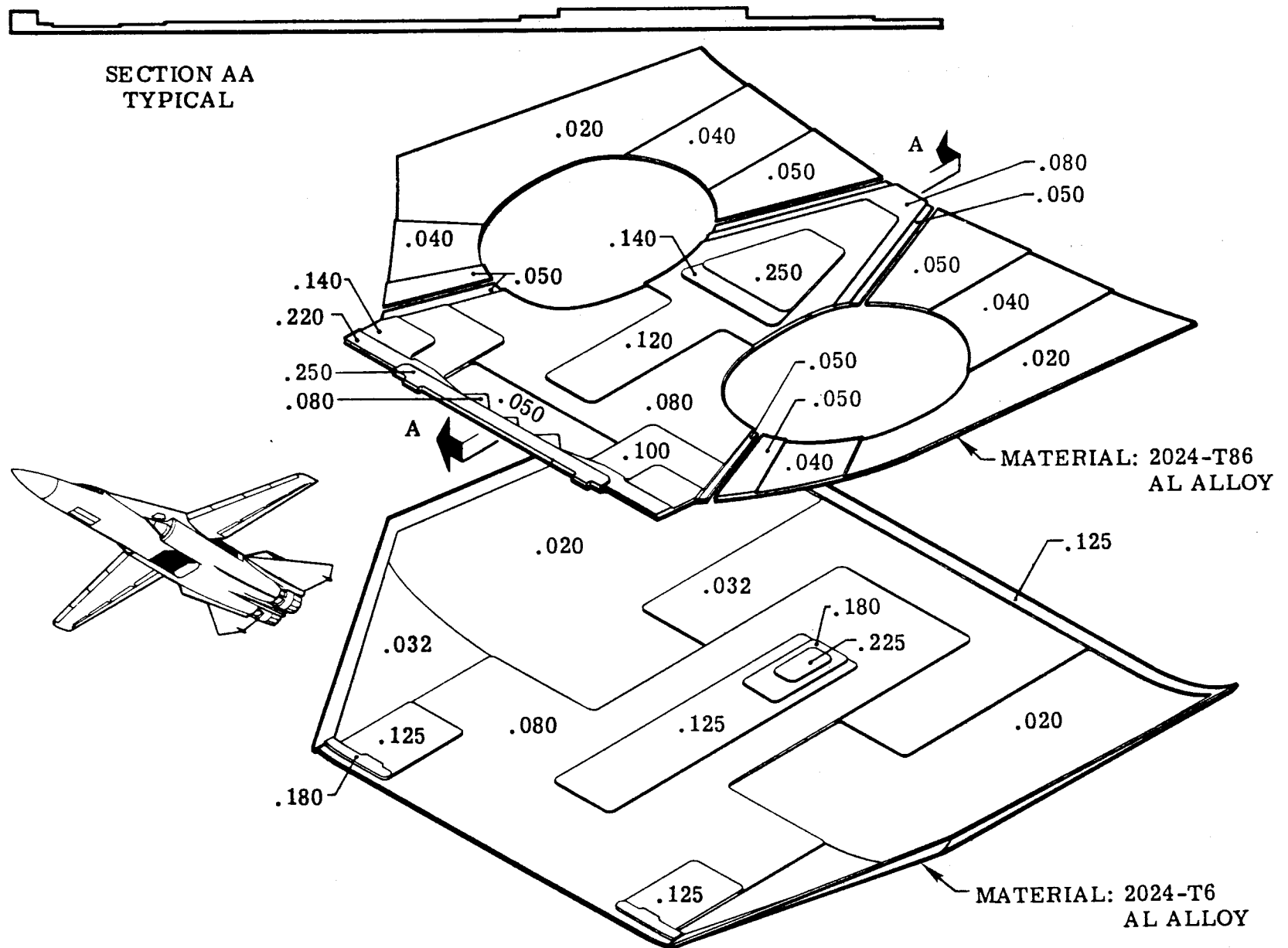
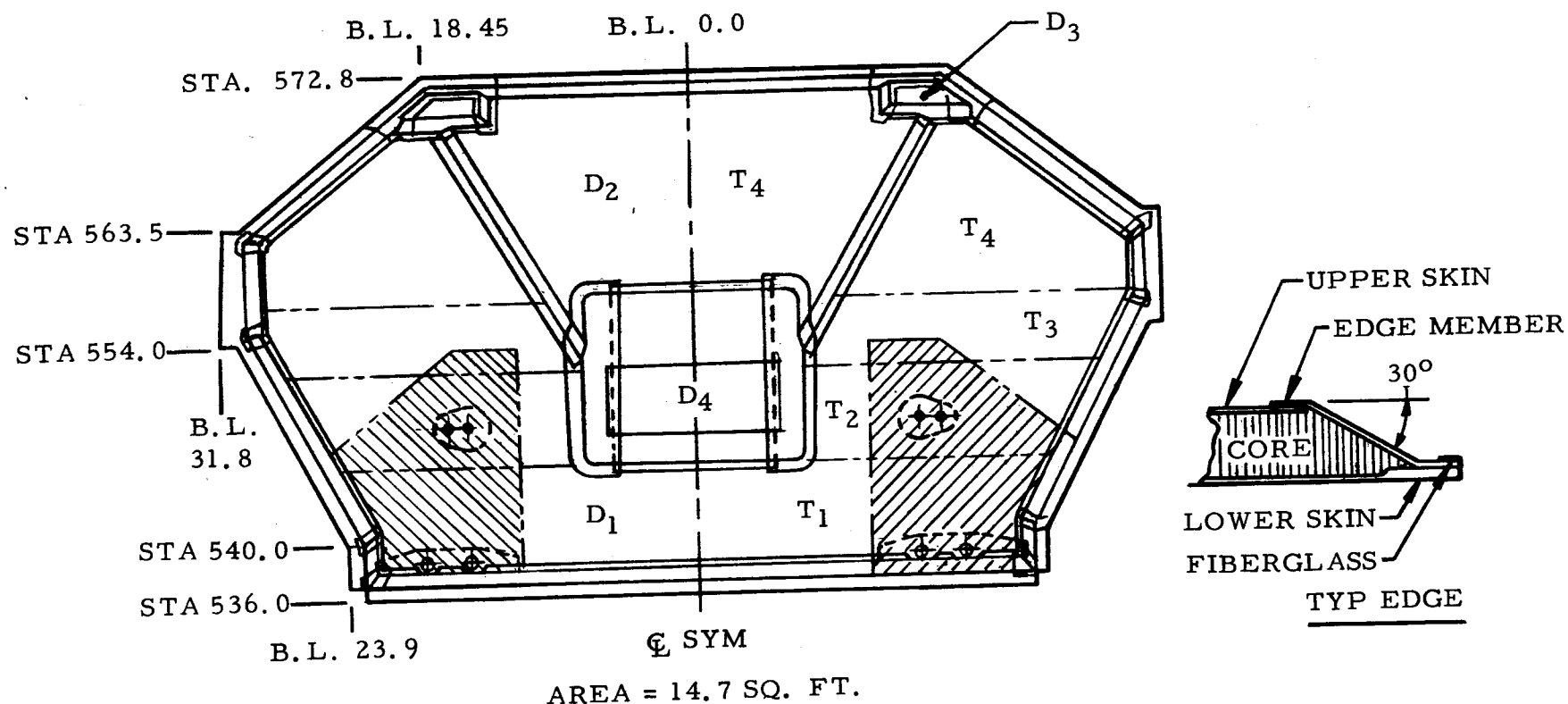


Figure 3-126 SPEED BRAKE DOOR UPPER/LOWER SKINS



BONDED ALUMINUM HONEYCOMB					MATERIAL
NAME	1	2	3	4	
CORE DEPTH - D	.800	.675	.200	0	
THICKNESS - T					
INNER SKIN	.040	.040	.025	.012	7075-T6 CLAD
THICKNESS - T					
OUTER SKIN	.025	.040	.025	.016	7075-T6 CLAD
EDGE MEMBER	.020 THICK				2024-T81
CORNER CLOSURE	GLASS CLOTH - 3 PLY				
CORE	ALUMINUM HONEYCOMB		4.5#/FT ³		FMS-1019
CORE INSERT	ALUMINUM HONEYCOMB				FMS-1019

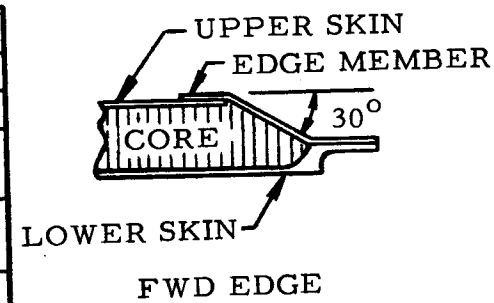


Figure 3-127 12L140 AFT MAIN LANDING GEAR DOOR (STA. 536 TO 572.8)

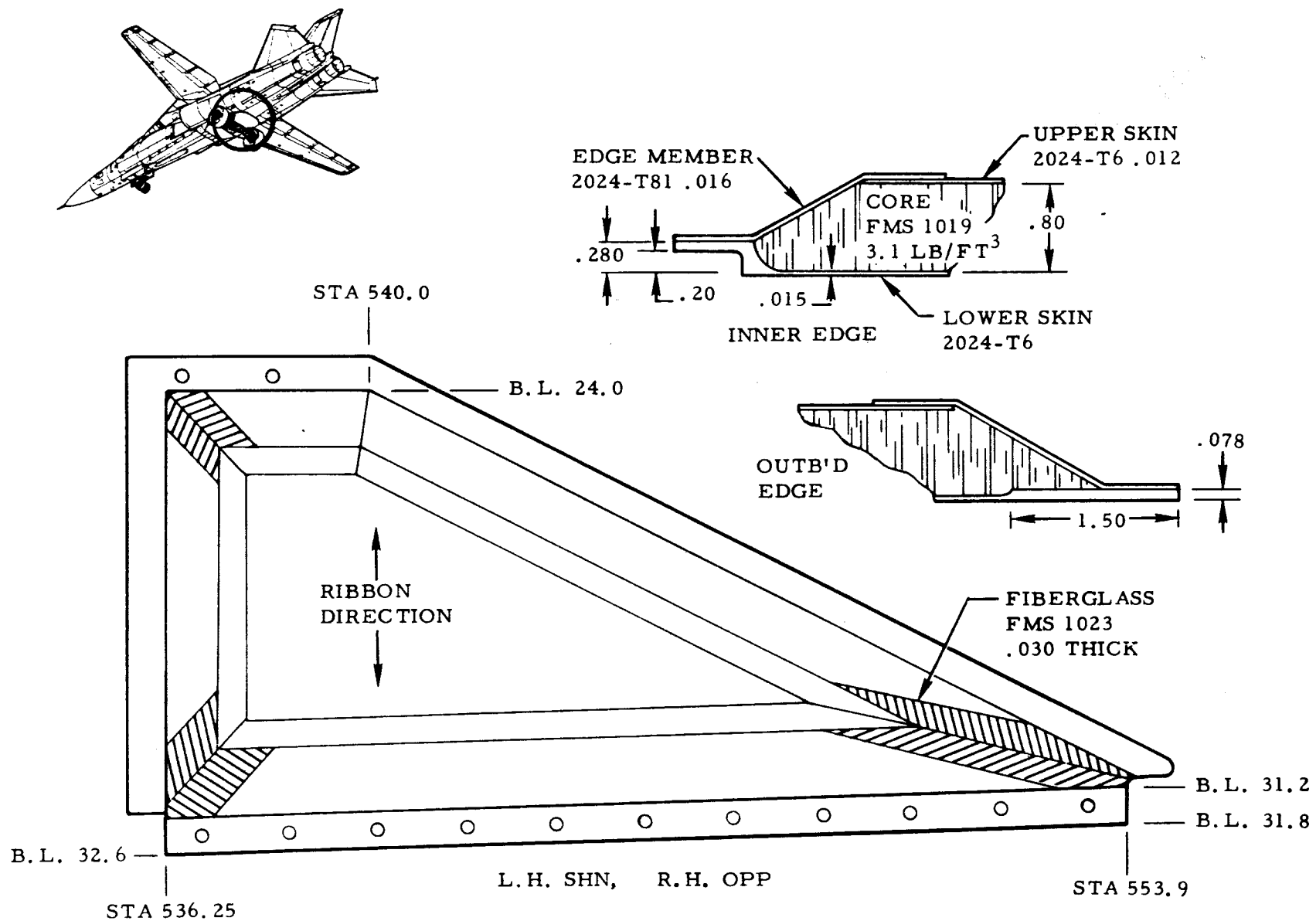
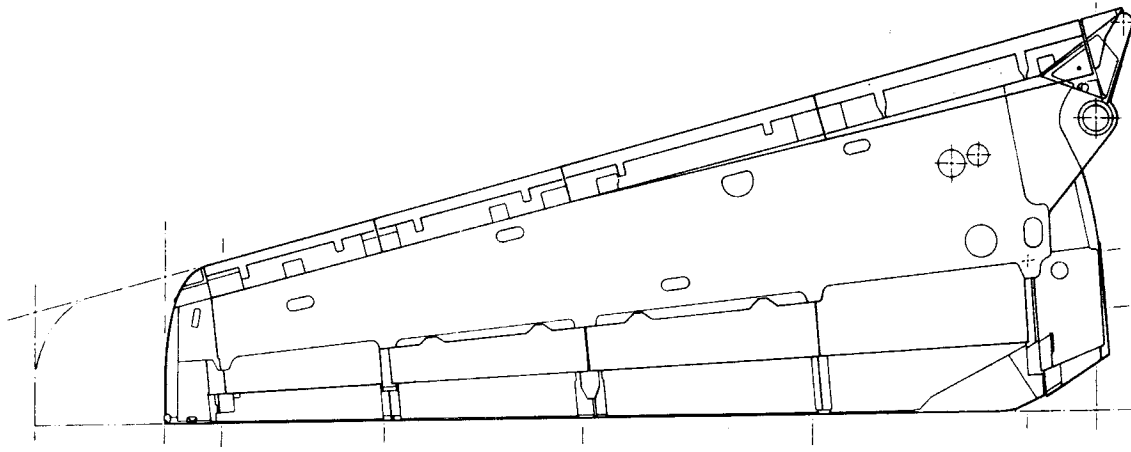
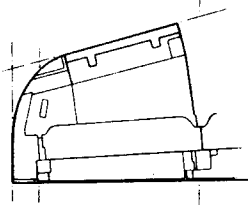
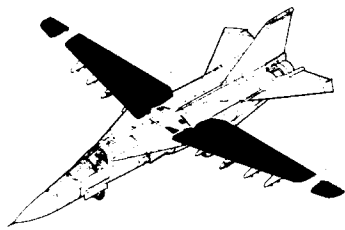
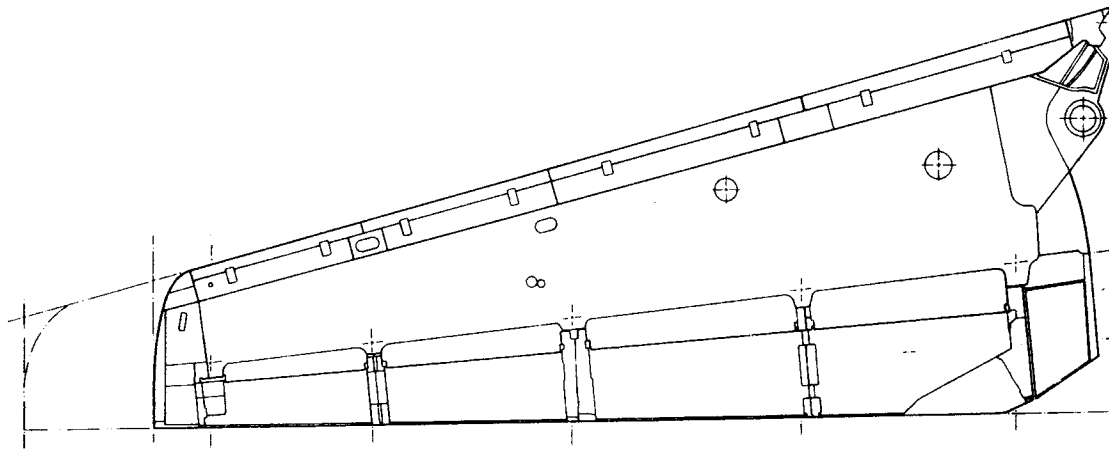
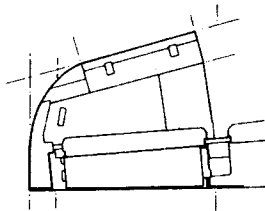


Figure 3-128 12L110 FAIRING (Sta. 536 to 554)

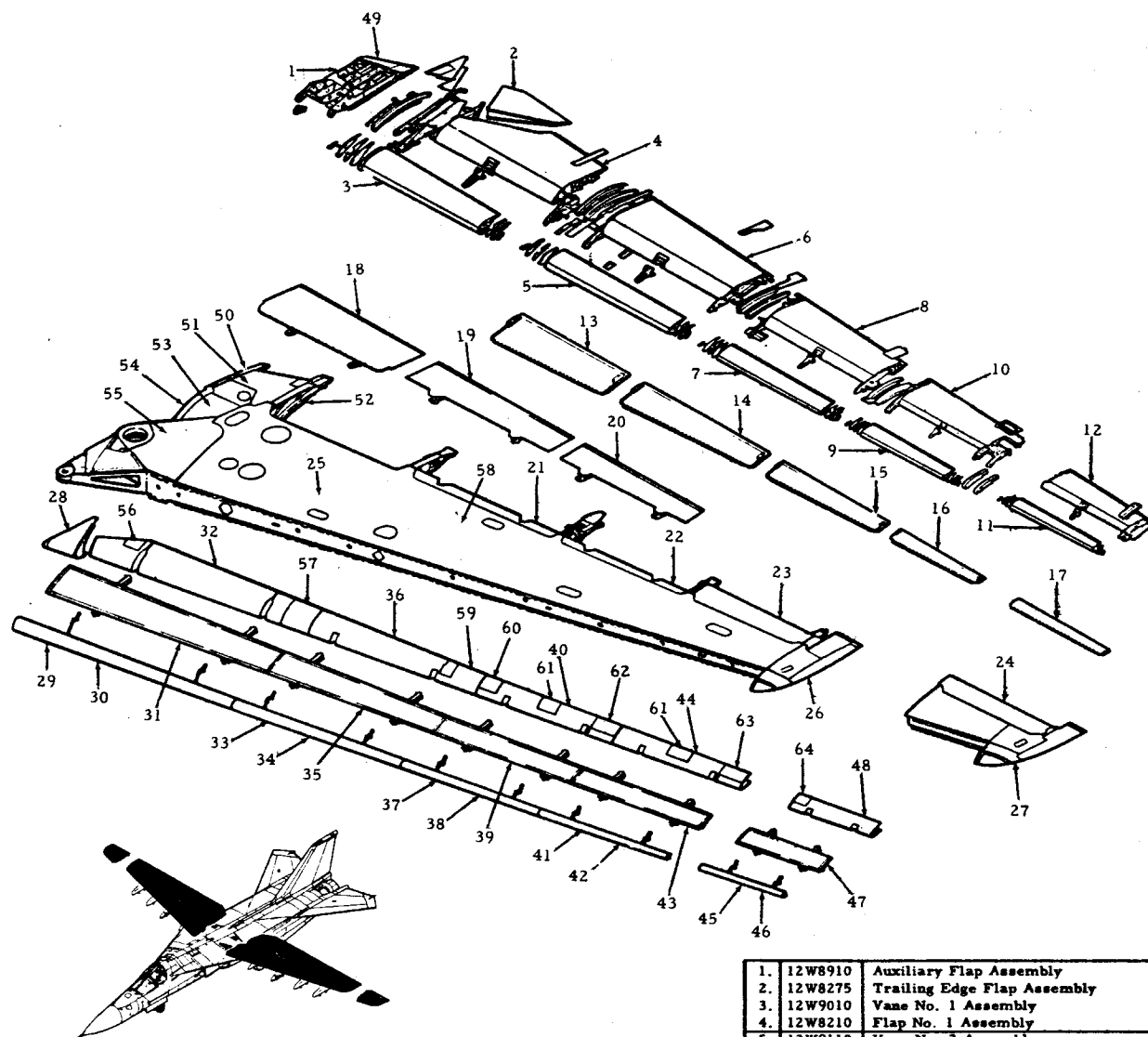


UPPER SURFACE



LOWER SURFACE

Figure 3-129 WING ASSEMBLY - PLAN VIEW



1.	12W8910	Auxiliary Flap Assembly
2.	12W8275	Trailing Edge Flap Assembly
3.	12W9010	Vane No. 1 Assembly
4.	12W8210	Flap No. 1 Assembly
5.	12W9110	Vane No. 2 Assembly
6.	12W8410	Flap No. 2 Assembly
7.	12W9210	Vane No. 3 Assembly
8.	12W8610	Flap No. 3 Assembly

9.	12W9310	Vane No. 4 Assembly
10.	12W8810	Flap No. 4 Assembly
11.	12W9960	Vane No. 5 Assembly (FB-111A)
12.	12W9917	Flap No. 5 Assembly (FB-111A)
13.	12W9525	Airflow Deflector Assembly No. 1
14.	12W9625	Airflow Deflector Assembly No. 2
15.	12W9725	Airflow Deflector Assembly No. 3
16.	12W9825	Airflow Deflector Assembly No. 4
17.	12W9996	Airflow Deflector Assembly No. 5 (FB-111A)
18.	12W7905	Fixed Panel Assembly
19.	12W8010	Inboard Spoiler Assembly
20.	12W8110	Outboard Spoiler Assembly
21.	12W8036	Fixed Panel
22.	12W8136	Fixed Panel
23.	12W7620	Trailing Edge
24.	12W9903	Trailing Edge (FB-111A)
25.	12W027	Wing Panel Assembly
26.	12W352	Wing Tip Installation (F-111A, F-111E)
27.	12W5152	Wing Tip Assembly (FB-111A)
28.	12W6435	Fixed Leading Edge Installation
29.	12W6500	Slat Assembly No. 1 (F-111A)
29.	12W6000	Leading Edge Installation No. 1 (F-111E, FB-111A)
30.	12W7010	Nose Assembly Slat No. 1
31.	12W6510	Aft Assembly Slat No. 1
32.	12W6010	Fixed Leading Edge Assembly No. 1
33.	12W6600	Slat Assembly No. 2 (F-111A)
33.	12W6100	Leading Edge Installation No. 2 (F-111E, FB-111A)
34.	12W7110	Nose Assembly Slat No. 2
35.	12W6610	Aft Assembly Slat No. 2
36.	12W6110	Fixed Leading Edge Assembly No. 2
37.	12W1700	Slat Assembly No. 3 (F-111A)
37.	12W1200	Leading Edge Installation No. 3 (F-111E)(FB-111A)
38.	12W2210	Nose Assembly Slat No. 3
39.	12W1710	Aft Assembly Slat No. 3
40.	12W6210	Fixed Leading Edge Assembly No. 3
41.	12W1800	Slat Assembly No. 4 (F-111A)
41.	12W1300	Leading Edge Installation (FB-111A)(F-111E) NO. 4
42.	12W2310	Nose Slat Assembly No. 4
43.	12W1810	Aft Assembly Slat No. 4
44.	12W6310	Leading Edge Assembly No. 4
45.	12W5900	Slat Assembly No. 5 (FB-111A)
46.	12W5410	Nose Assembly Slat No. 5 (FB-111A)
47.	12W5310	Aft Assembly Slat No. 5 (FB-111A)
48.	12W5910	Fixed Leading Edge No. 5 (FB-111A)
49.	12W7550	Trailing Edge Hinged Upper Assembly
50.	12W8901	Inboard Auxiliary Flap Track
51.	12W7525	Trailing Edge Fixed Auxiliary Upper Aft
51.	12W7524	Trailing Edge Fixed Auxiliary Upper Fwd
52.	12W8203	Track No. 1
53.	12W996	Cover
54.	12W995	Access Cover Installation
55.	12W494	Upper Panel
56.	12W6010	Door
57.	12W6001	Access Panel
58.	12W950	Upper Skin (F-111A, FB-111A)
58.	12W951	Lower Skin
59.	12W900	Upper Skin (F-111E)
59.	12W6110	Door
60.	12W6210	Access Door
61.	12W6236	Door
62.	12W6204	Door
63.	12W6310	Access Door
64.	12W5910	Door (FB-111A)

Figure 3-130 WING ASSEMBLY PRODUCTION BREAKDOWN

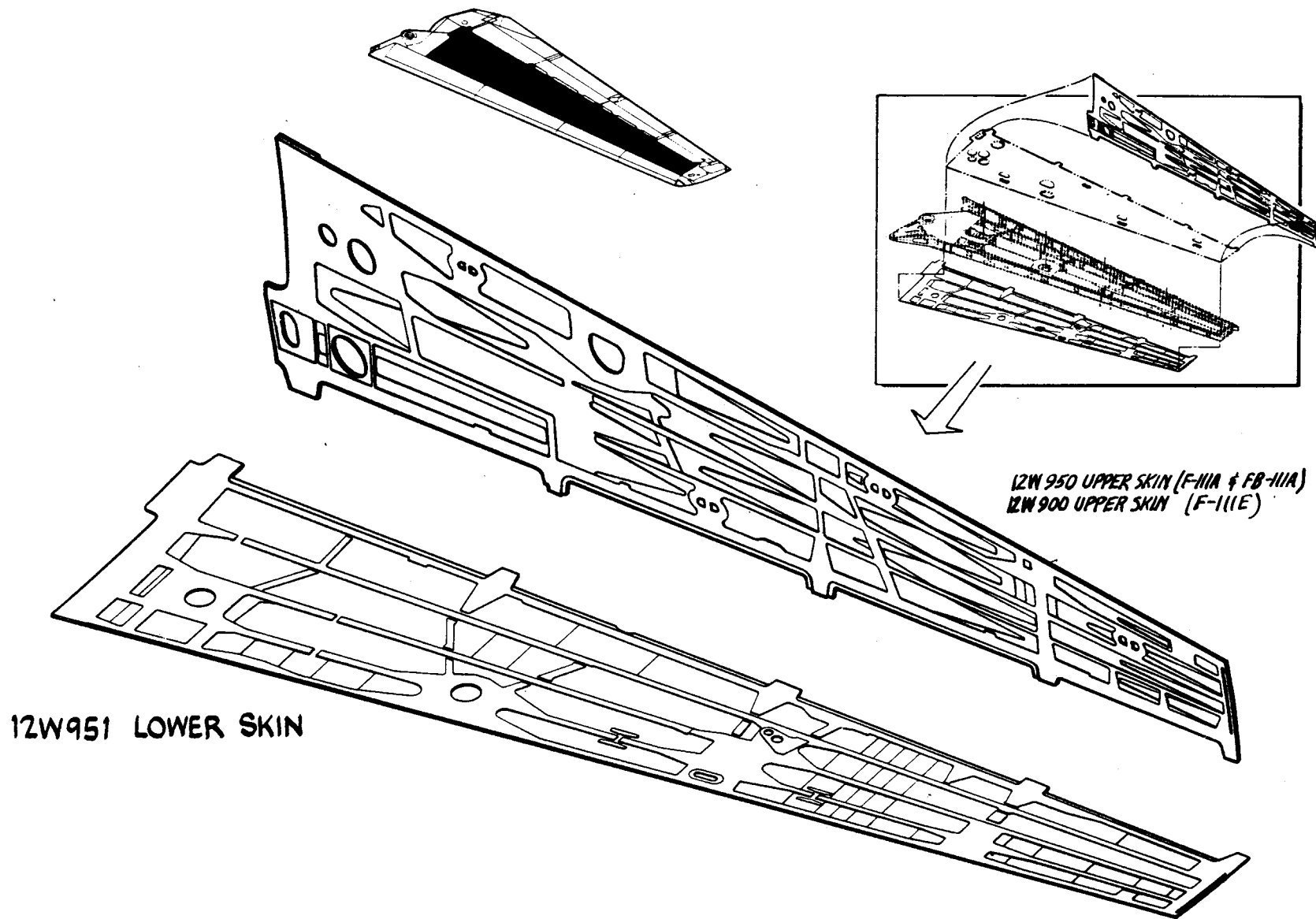
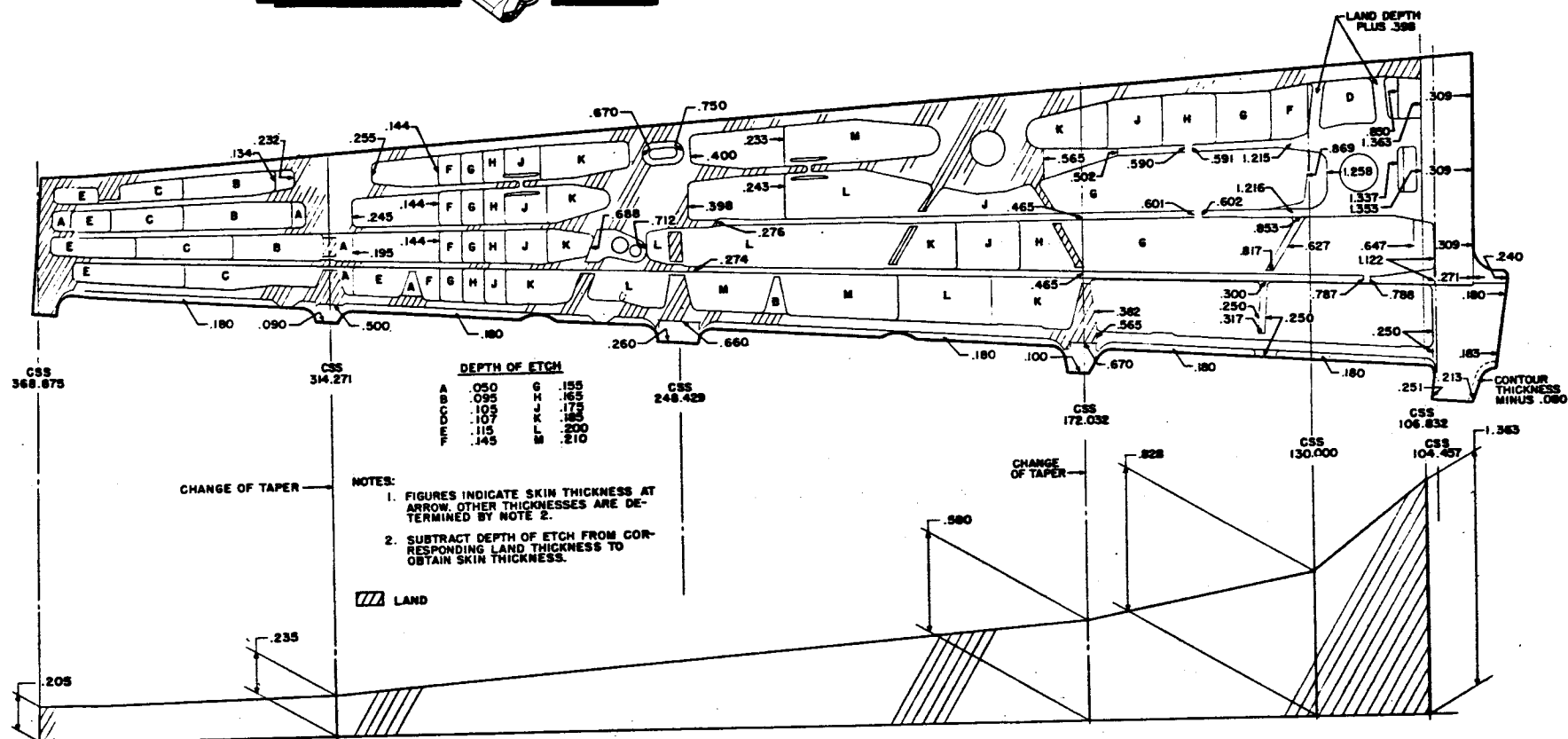
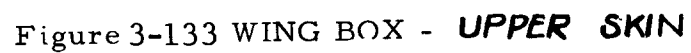


Figure 3-131 12W950 AND 951 UPPER/LOWER WING SKINS



3-141



ST-769-73



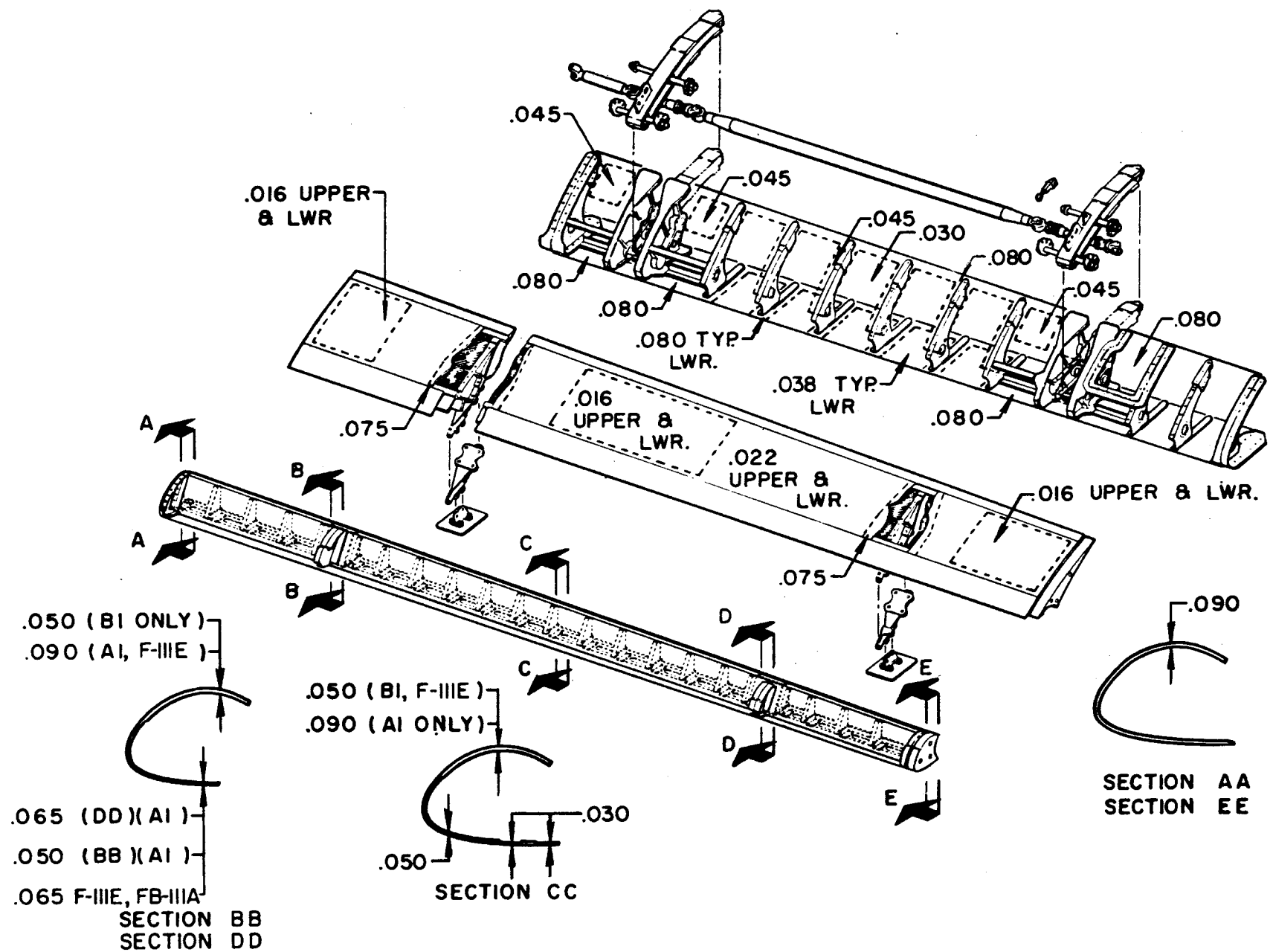


Figure 3-136 WING LEADING EDGE NO. 2 SKIN PANEL DIMENSIONS

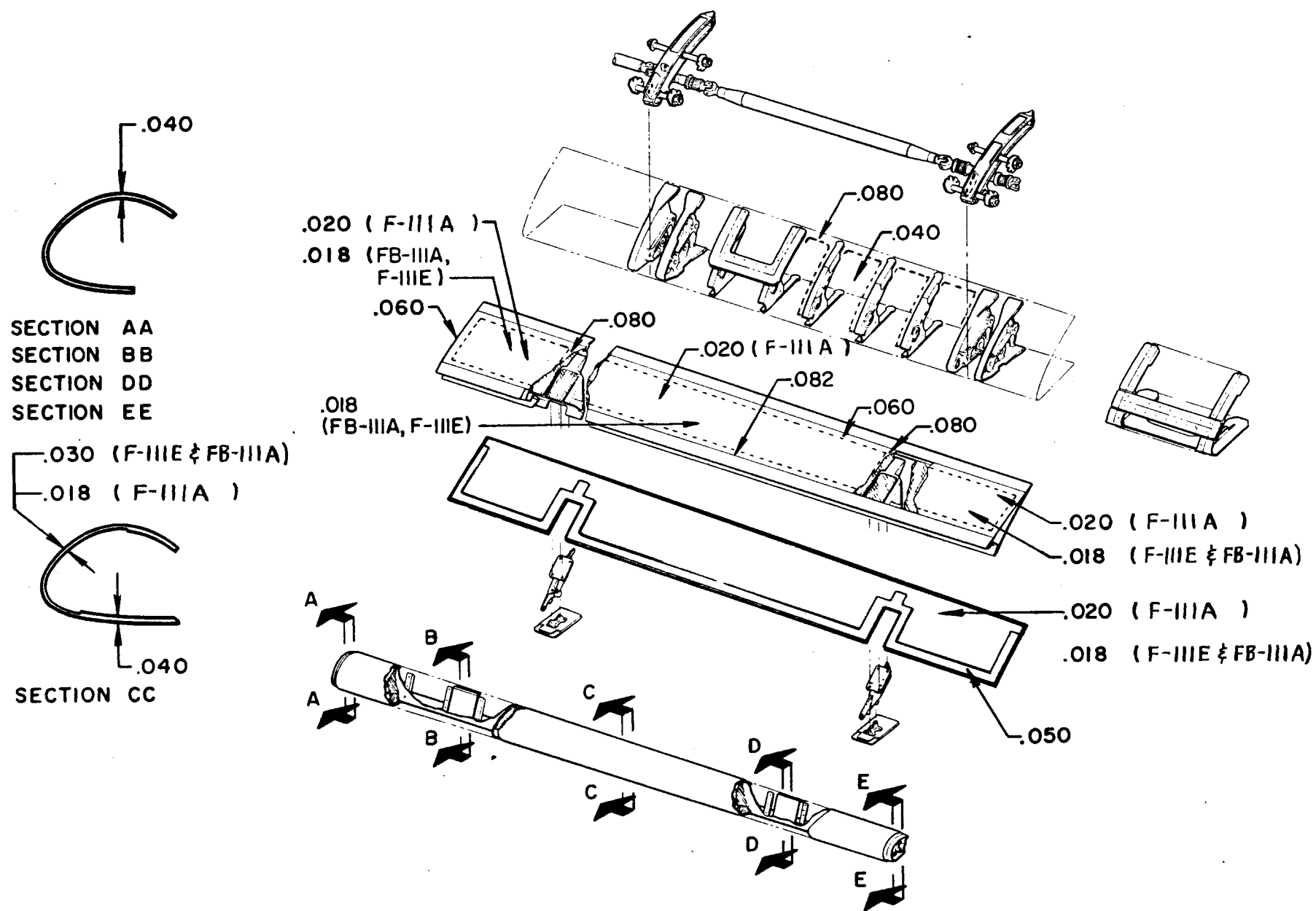


Figure 3-137 WING LEADING EDGE NO. 3 SKIN PANEL DIMENSIONS

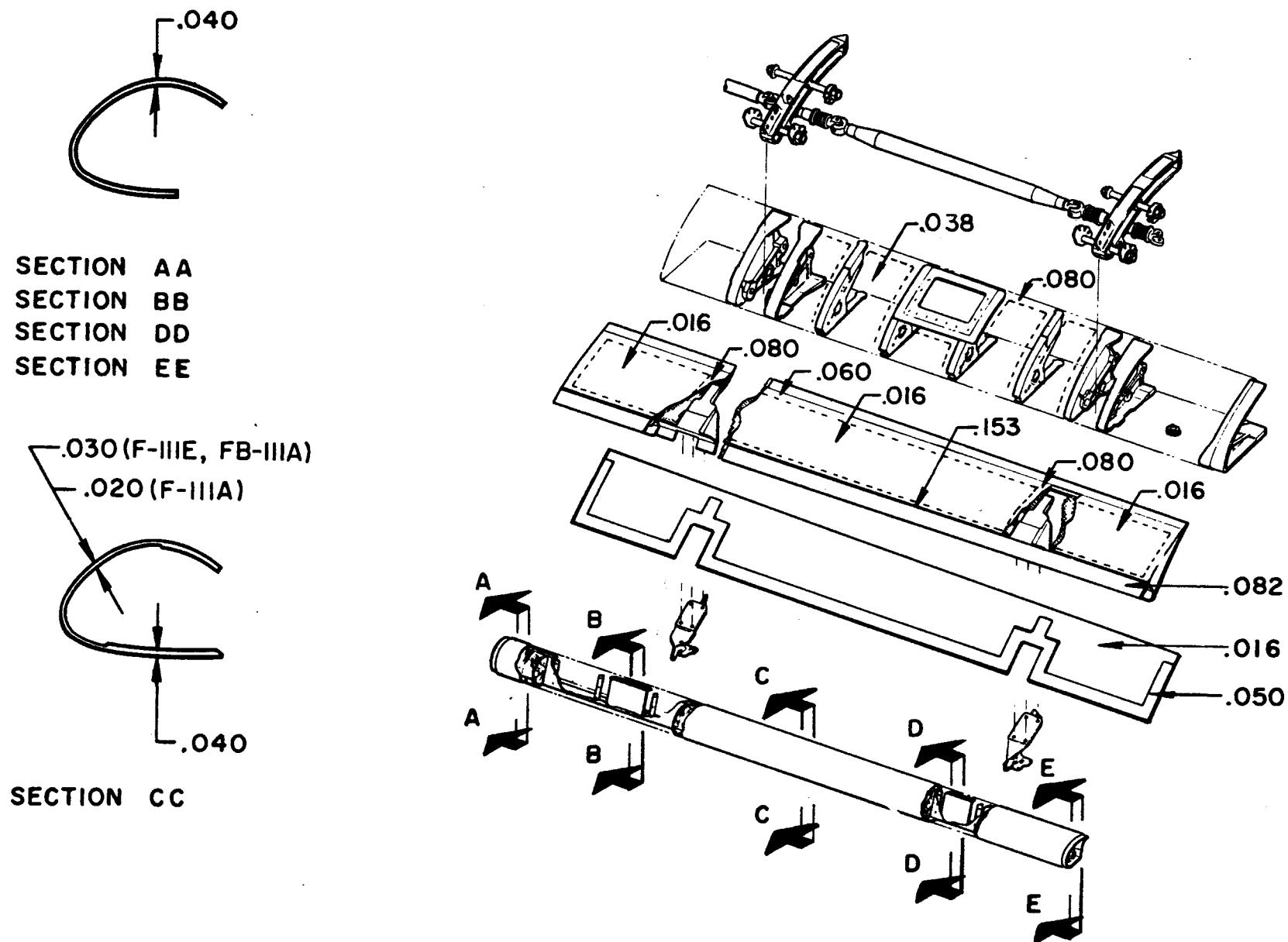


Figure 3-138 WING LEADING EDGE NO. 4 SKIN PANEL DIMENSIONS

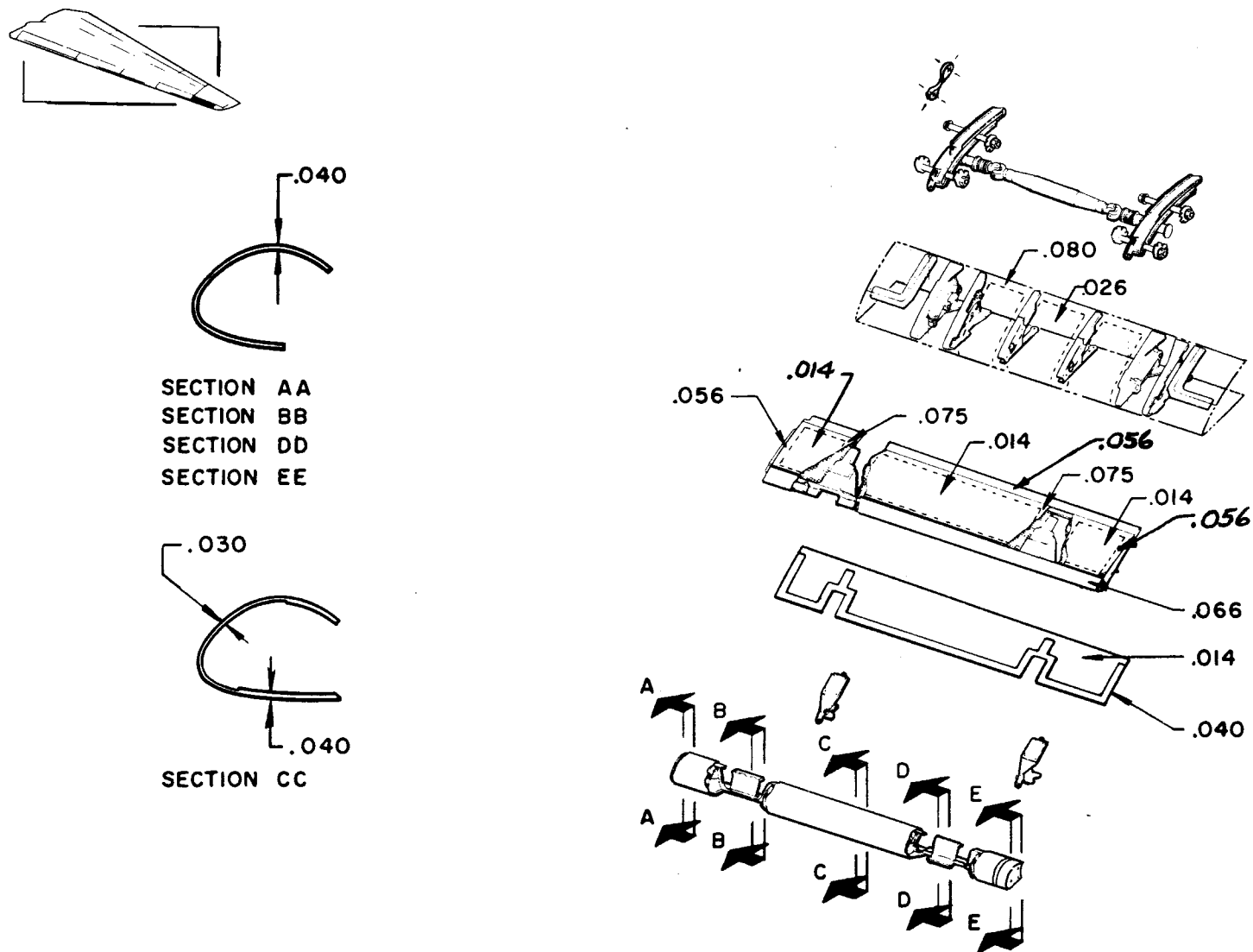


Figure 3-139 FB-111 WING LEADING EDGE NO. 5 - SKIN PANEL DIMENSIONS

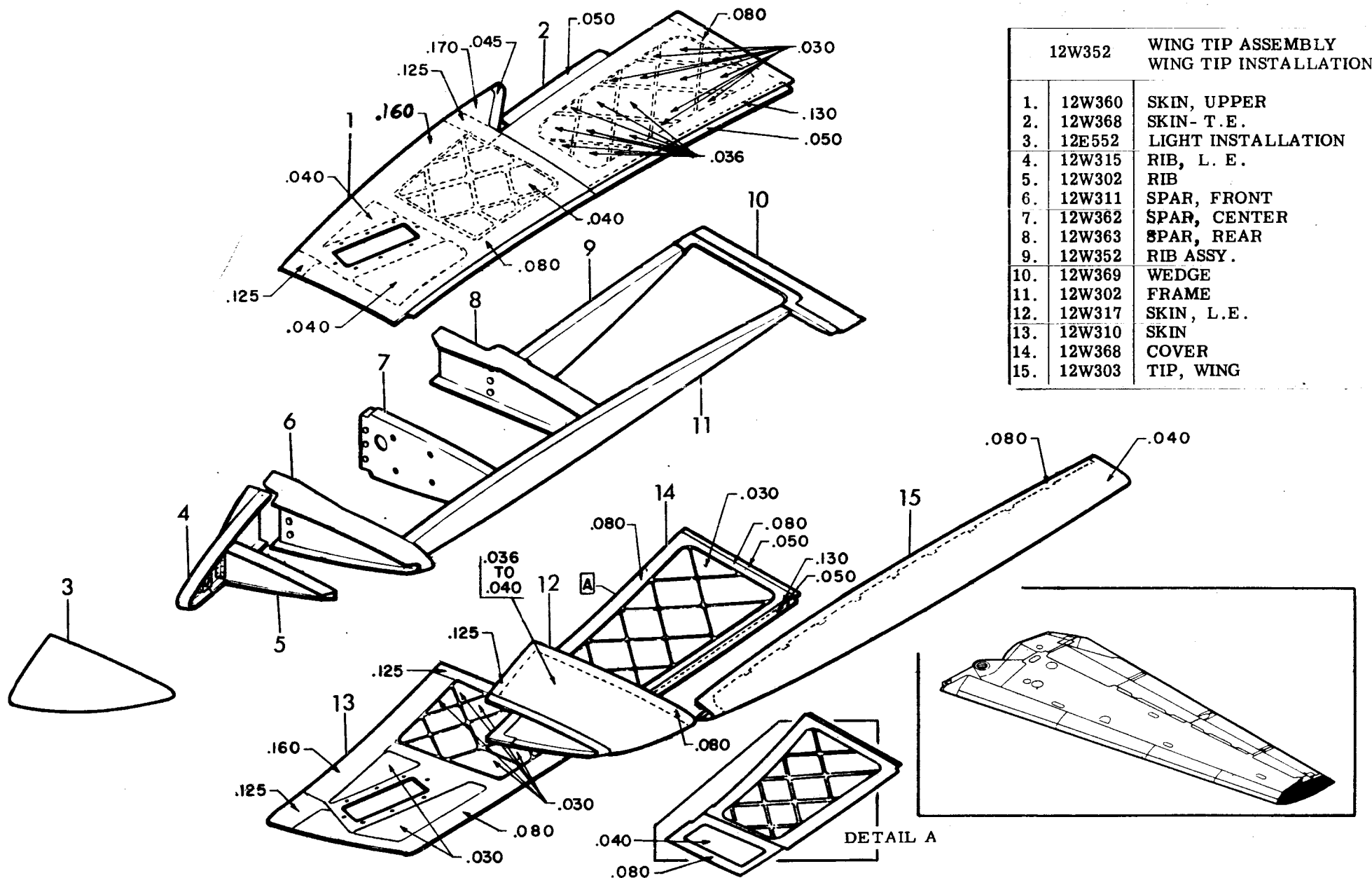


Figure 3-140 F-111A WING TIP - 12W352 (TAC 31 thru 36)

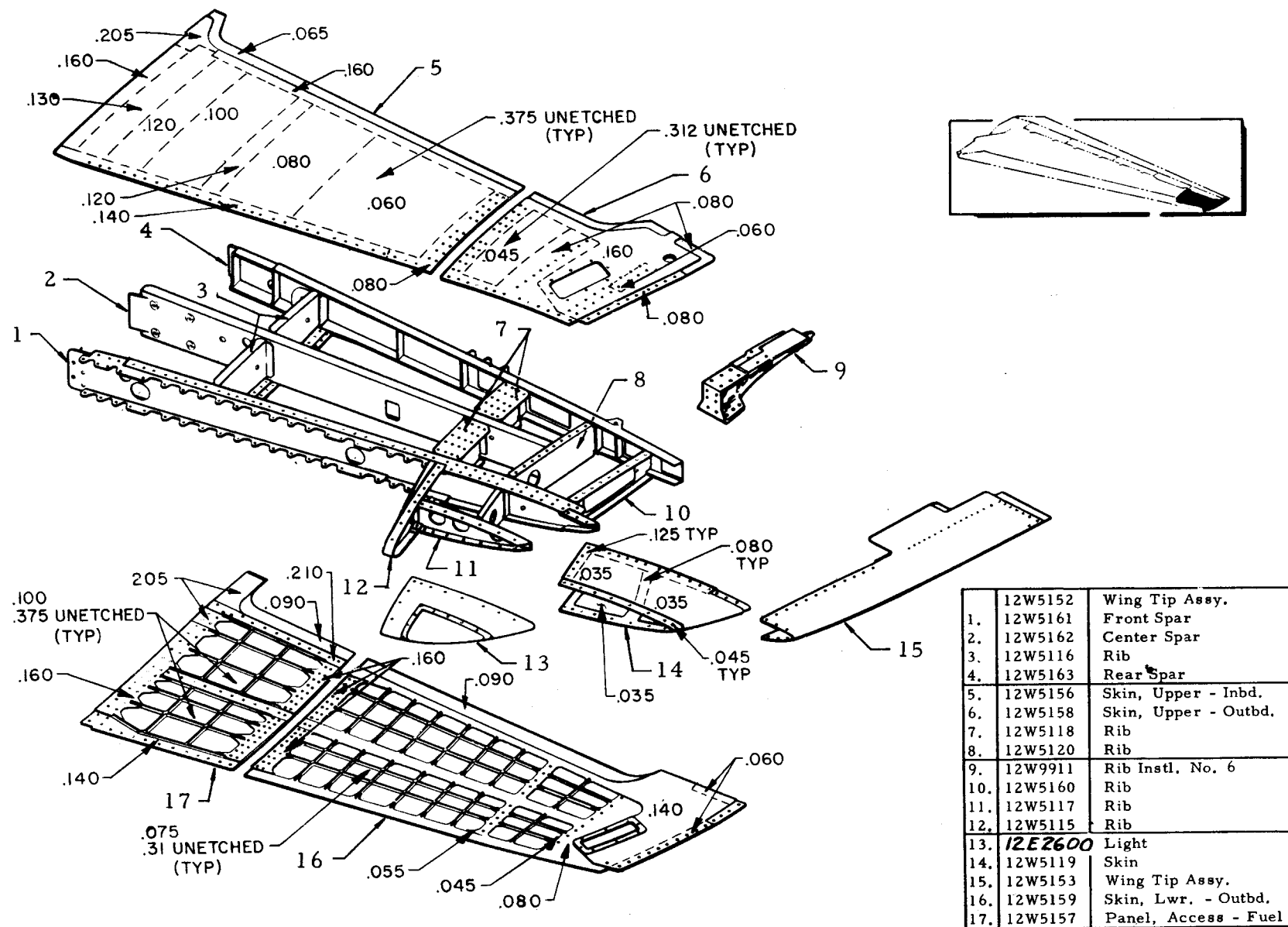


Figure 3-141 FB-111 WING TIP

1.	12W7950	Skin - Lower
2.	12W7925	Core
3.	12W7925	Closure Piece
4.	12W7940	Skin - Upper
5.	12W7925	Edge Member
6.	12W2980	Turnbuckle Assy.
7.	12H304	Support Assy.
8.	12W2951	Support Assy.
9.	12W7949	Hinge Assy.
10.	12W2985	Shims
11.	12W2950	Support Assy.
12.	12W7948	Hinge Assy.
13.	12W7951	Spar (Tac)
13.	12W7952	Spar (Bomber)



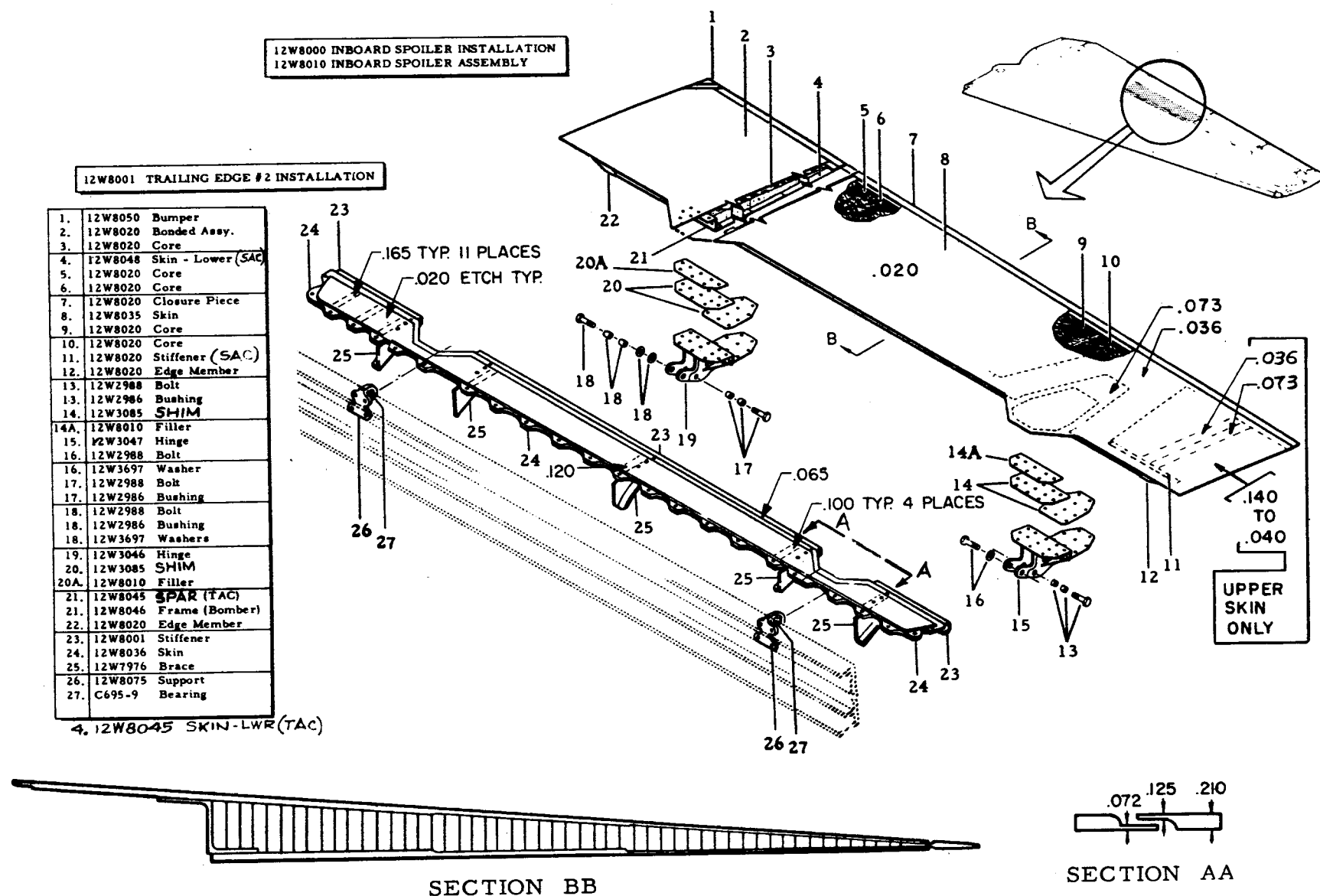


Figure 3-143 INBOARD SPOILER AND NO. 2 TRAILING EDGE INSTALLATION

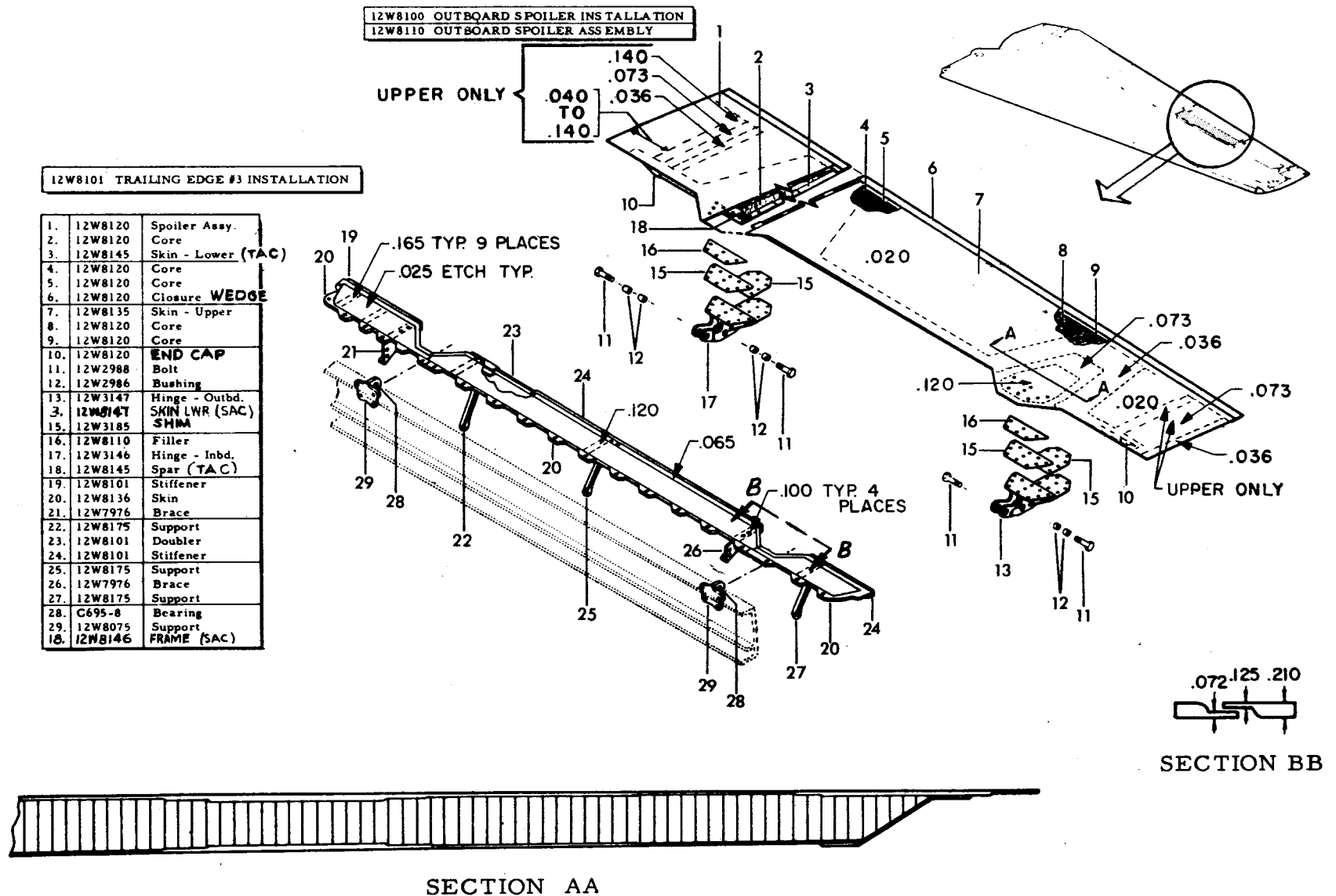


Figure 3-144 OUTBOARD SPOILER AND NO. 3 TRAILING EDGE INSTALLATION

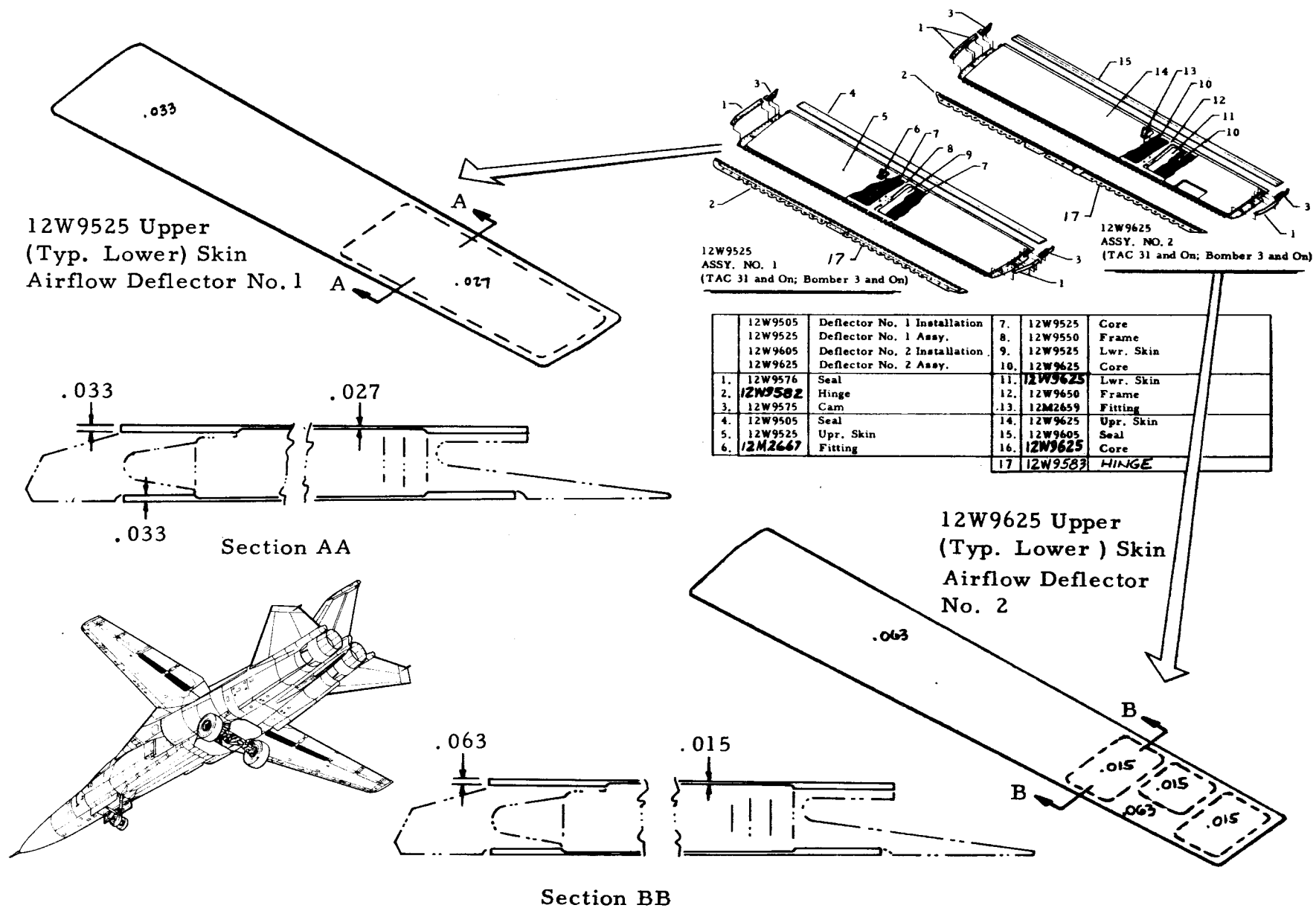


Figure 3-145 AIRFLOW DEFLECTORS - ASSEMBLIES NO. 1 AND 2

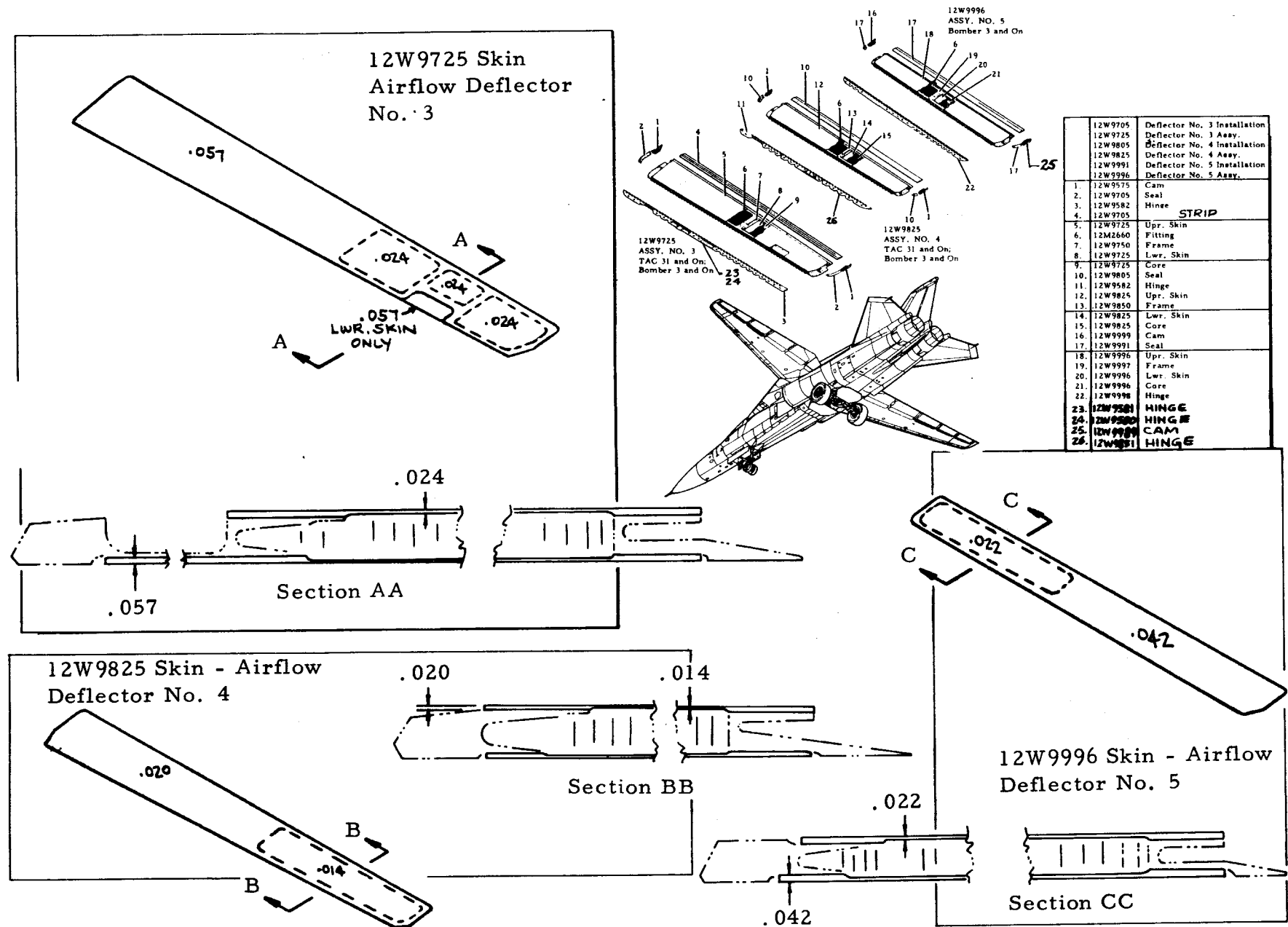


Figure 3-146 AIRFLOW DEFLECTORS - ASSEMBLIES NO. 3, 4 AND 5

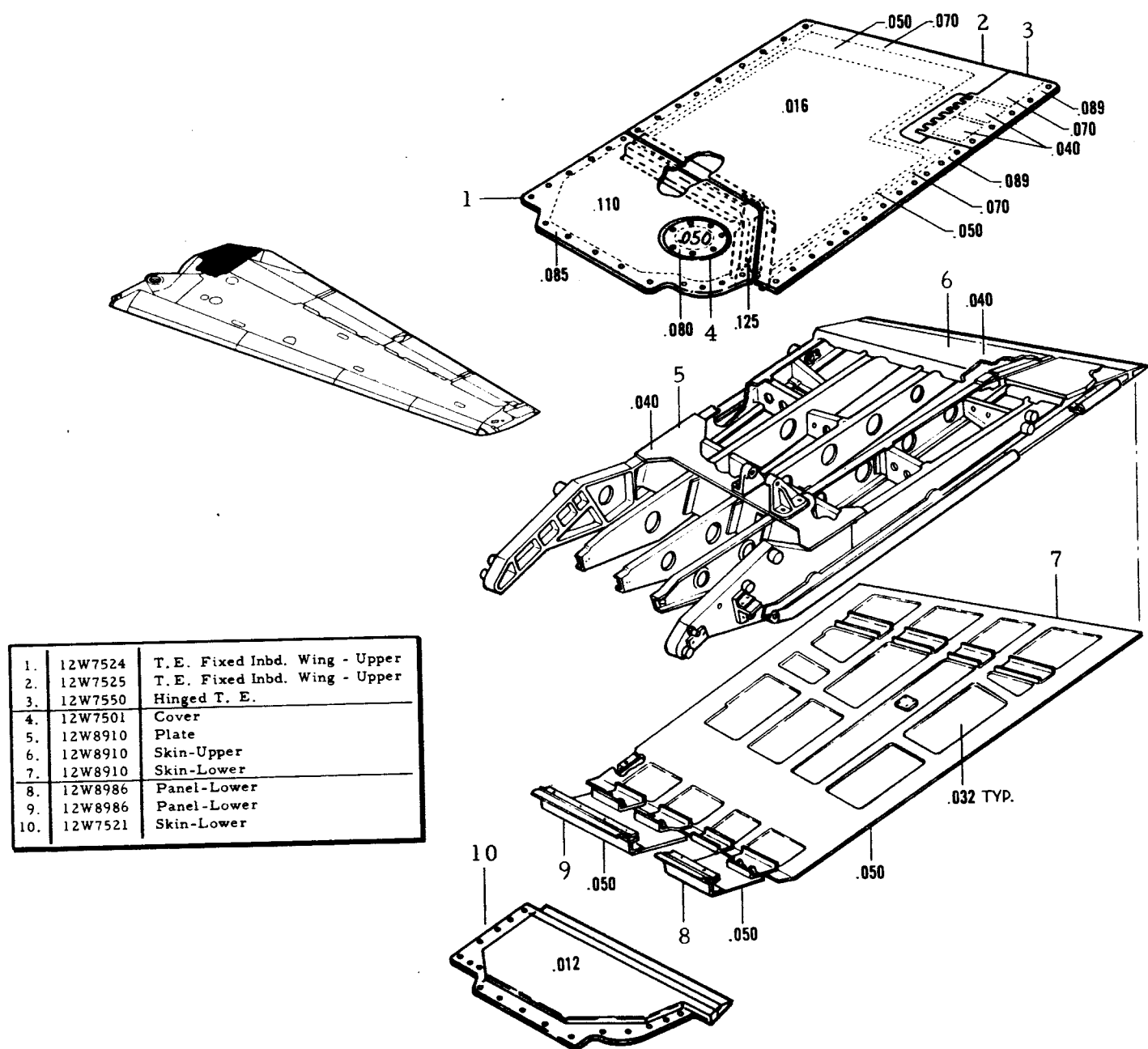


Figure 3-147 WING TRAILING EDGE AUXILIARY FLAP AND FIXED PANEL AREA

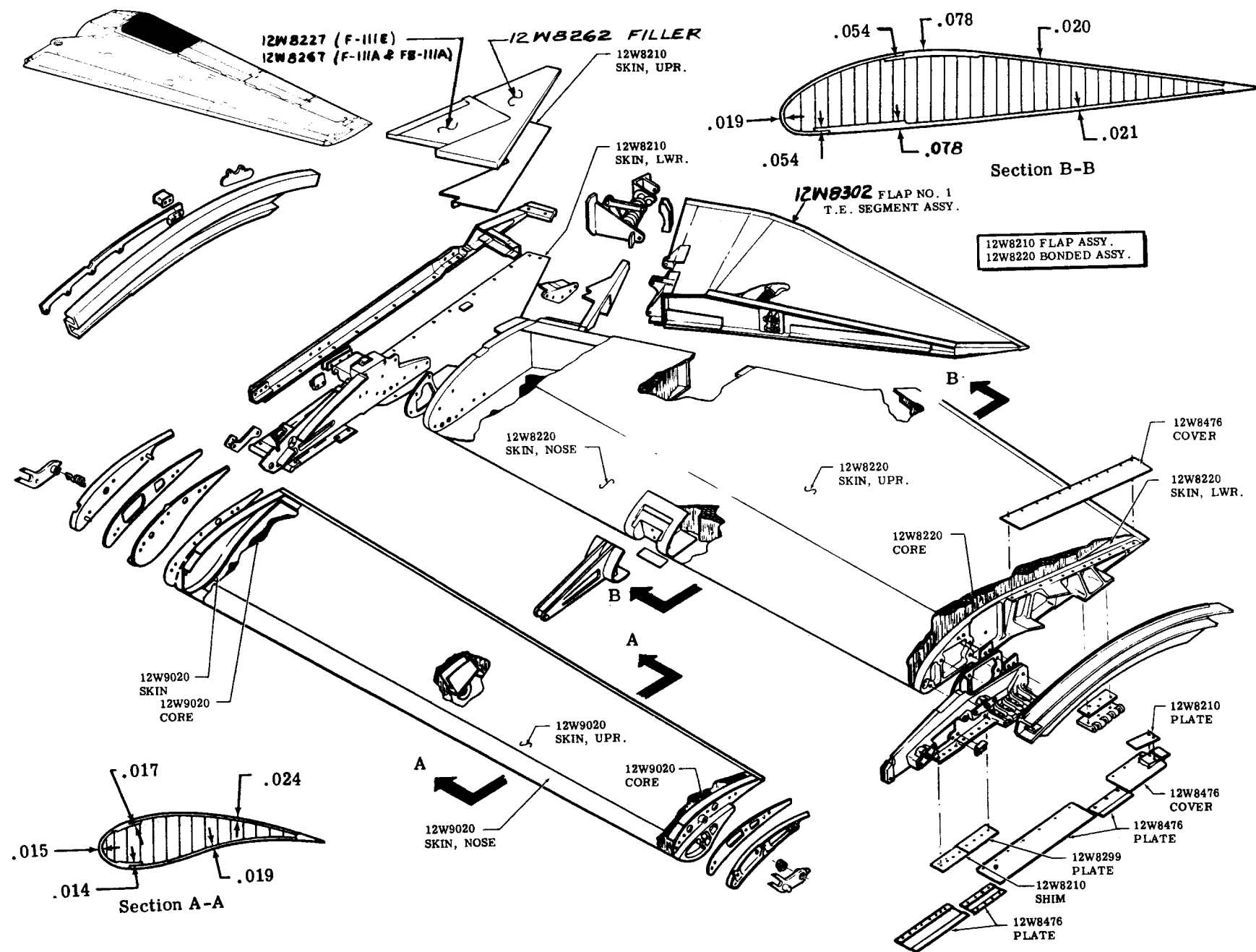


Figure 3-148 WING TRAILING EDGE FLAP AND VANE ASSEMBLY NO. 1

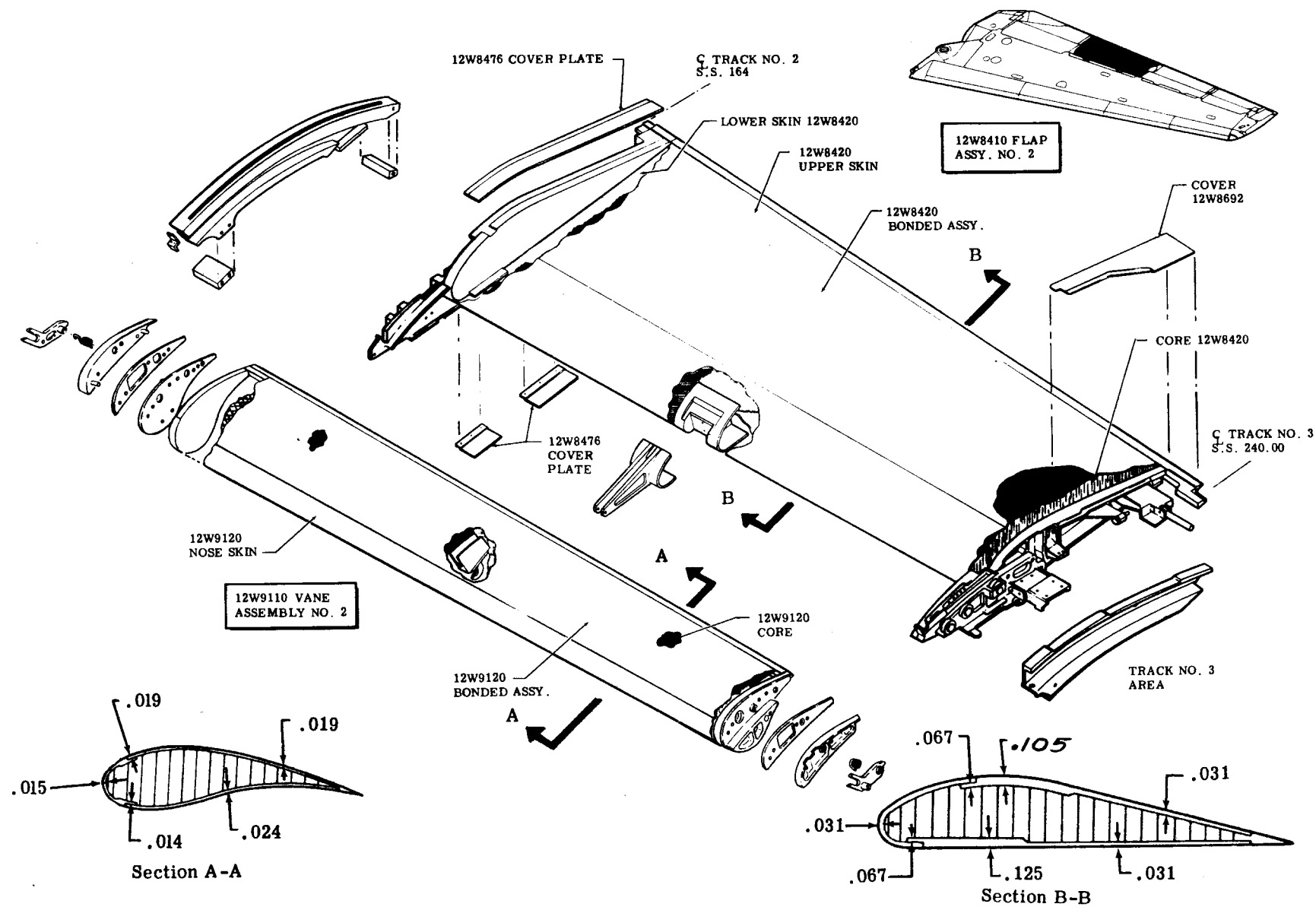


Figure 3-149 WING TRAILING EDGE FLAP AND VANE ASSEMBLY NO. 2

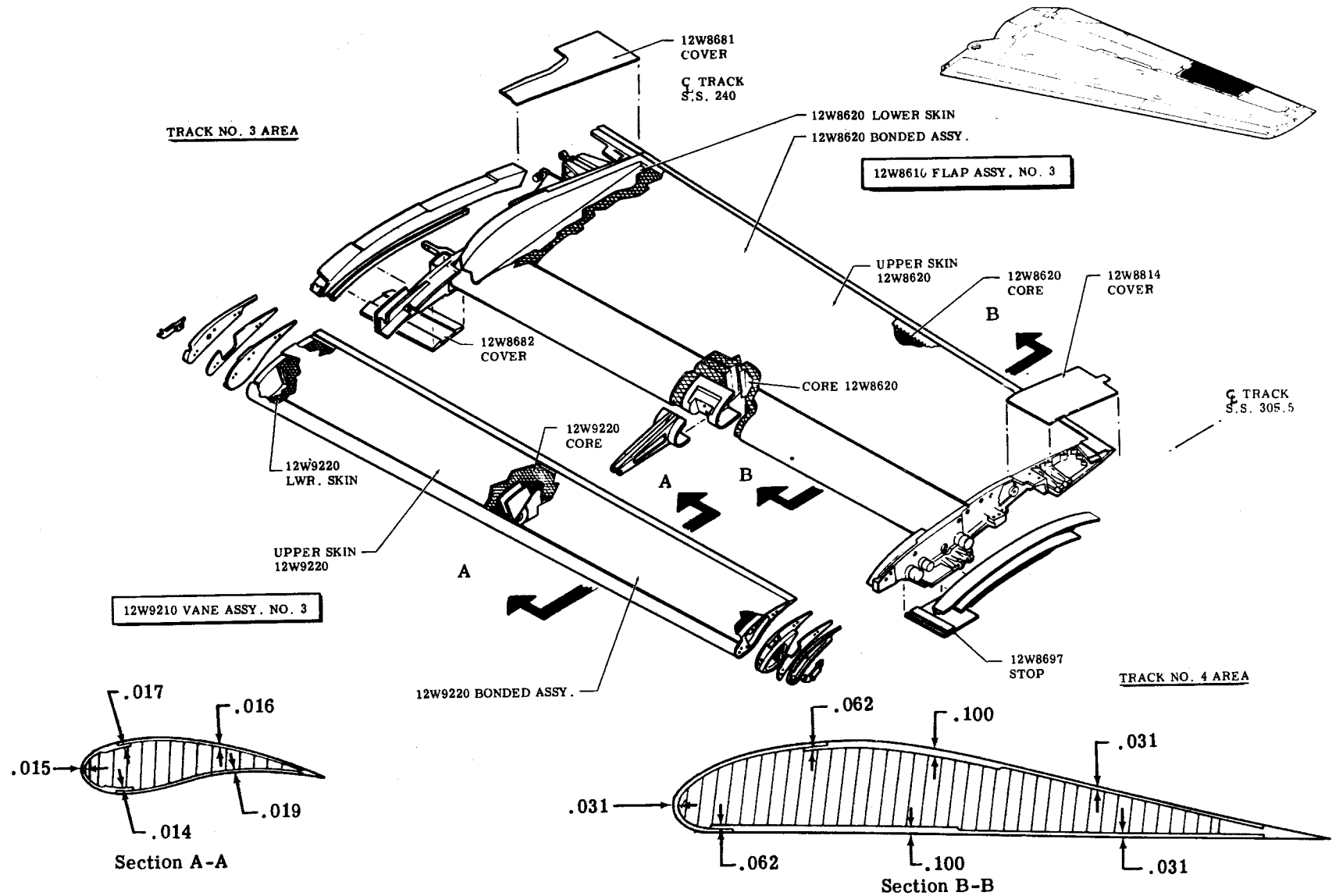


Figure 3-150 WING TRAILING EDGE FLAP AND VANE ASSEMBLY NO. 3

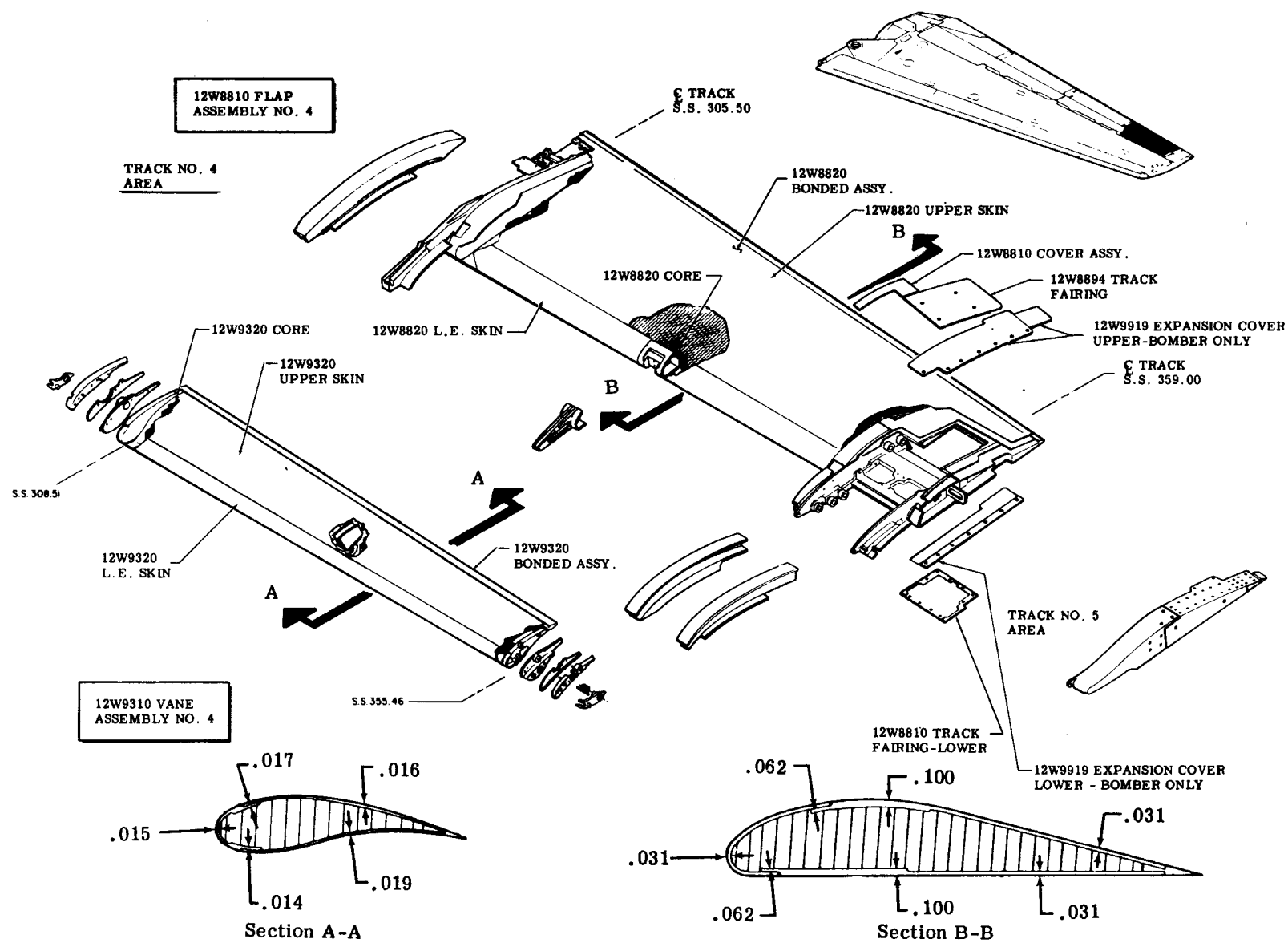


Figure 3-151 WING TRAILING EDGE FLAP AND VANE ASSEMBLY NO. 4



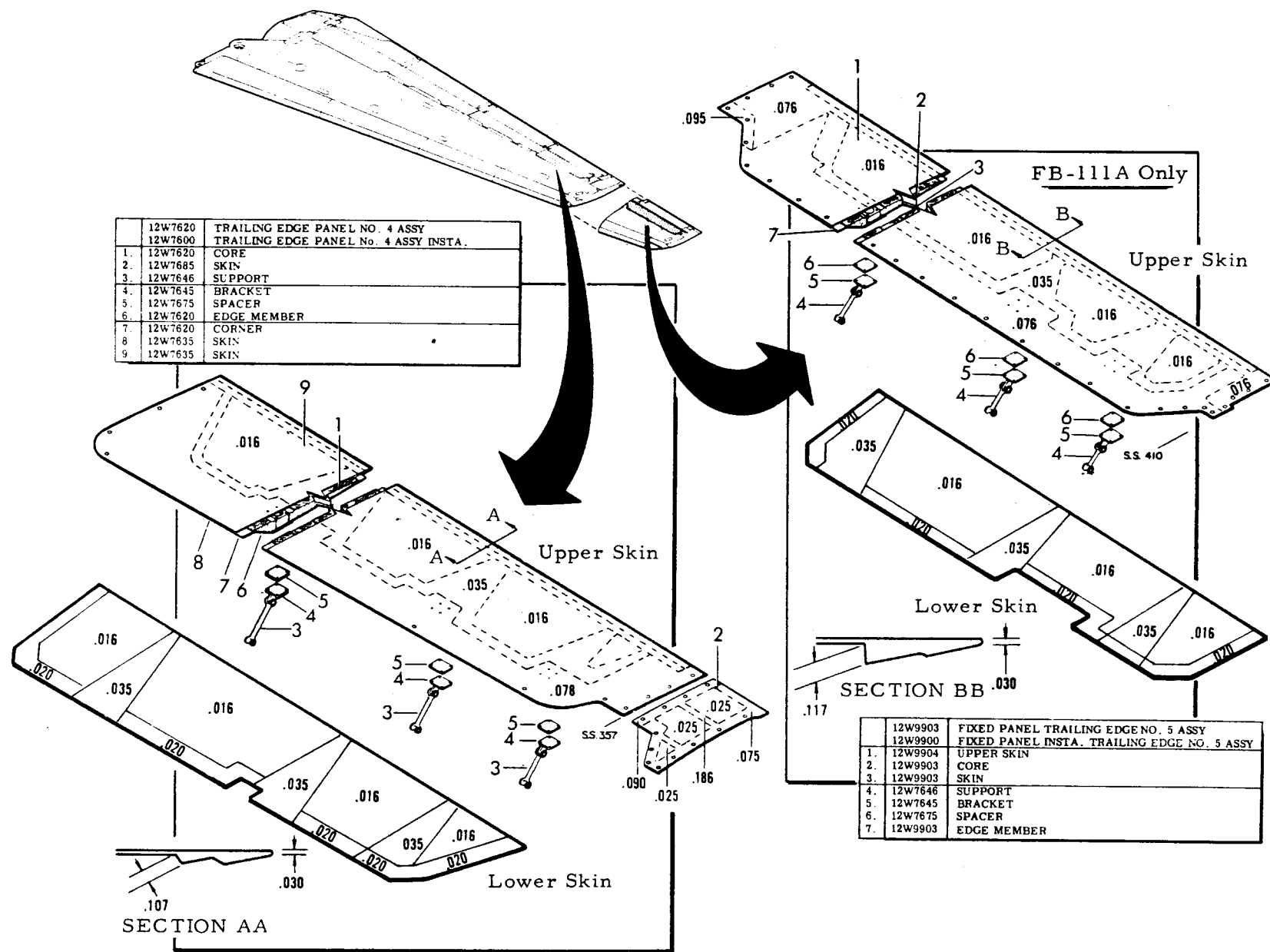
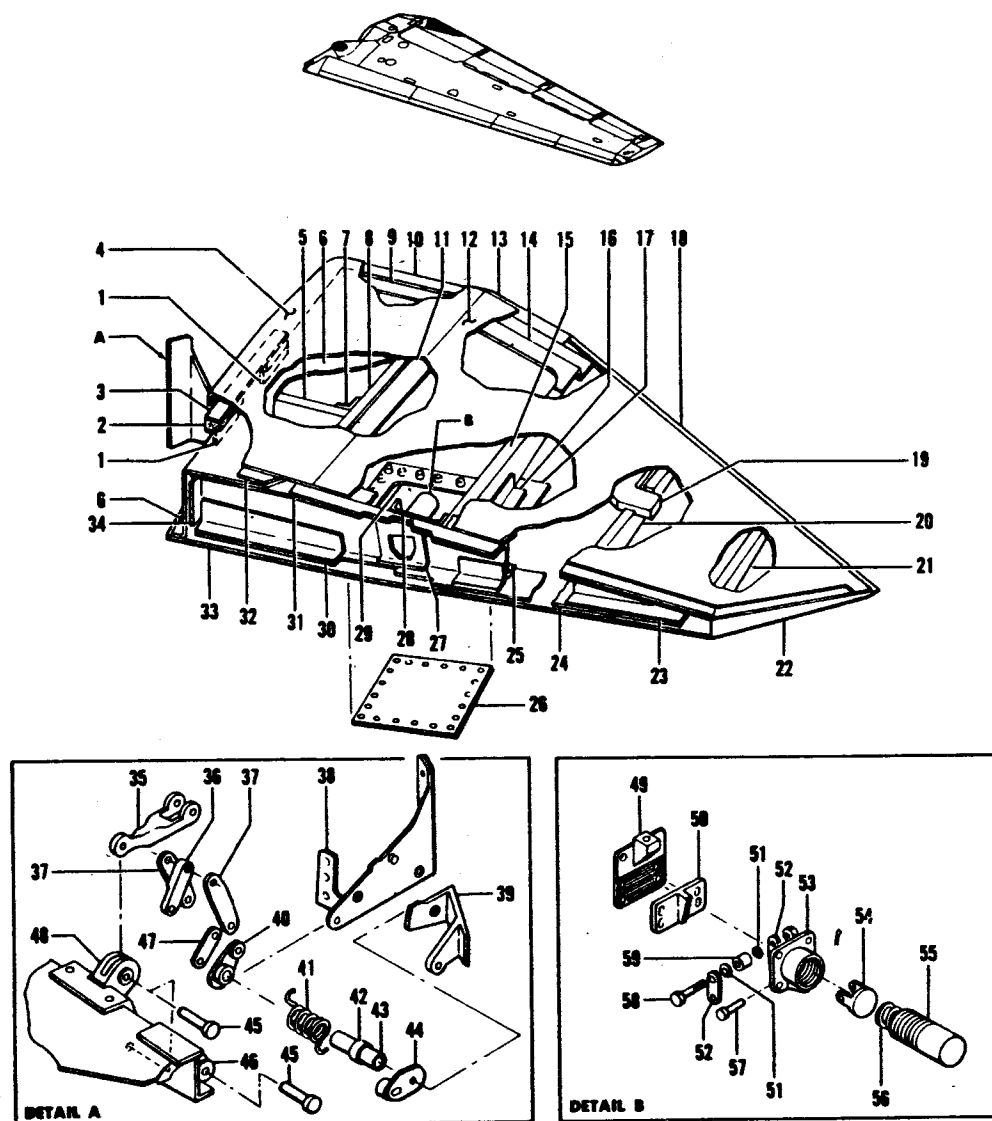


Figure 3-153 TRAILING EDGE PANELS NO. 4 AND 5



1.	12W8302	Clip	31.	12W8275	Clip
2.	12W8302	Sponge	32.	12W8302	Support
3.	12W8302	Doubler	33.	12W8275	Skin
4.	12W8309	Skin	34.	12W8275	Clip
5.	12W8275	Rib	35.	12W8343	Link
6.	12W8346	Closure	36.	12W8333	Link
7.	12W8275	Rib	37.	12W8333	Link
8.	12W8275	Rib	38.	12W8305	Support
9.	12W8275	Wedge	39.	12W8306	Support
10.	12W8302	Filler	40.	12W8334	Link
11.	12W8275	Splice	41.	12W8338	Spring
12.	12W8275	Skin	42.	12W8339	Liner
13.	12W8275	Wedge	43.	12W8339	Shaft
14.	12W8347	Stiffener	44.	12W8340	Link
15.	12W8275	Rib	45.	12W8336	Pin
16.	12W8275	Support	46.	12W8332	Bracket
17.	12W8275	Doubler	47.	12W8333	Link
18.	12W8275	Wedge	48.	12W8331	Bracket
19.	12W8275	Doubler	49.	12W8304	Support
20.	12W8275	Rib	50.	12W8303	Ramp
21.	12W8275	Rib	51.	12W8328	Spacer
22.	12W8275	Clip	52.	12W8325	Link
23.	12W8275	Support	53.	12W8329	Mount
24.	12W8275	Filler	54.	12W8330	Clevis
25.	12W8342	Closure	55.	12W8326	Housing
26.	12W8345	Cover	56.	12W8324	Spring
27.	12W8275	Mount	57.	12W8323	Pin
28.	12W8275	Doubler	58.	12W8327	Pin
29.	12W8275	Doubler	59.	12W6132	Roller
30.	12W8275	Support			

WING T. E. FLAP NO. 1 SKIN PANELS		
PART NO.	GAGE	MATERIAL
12W8309	.040	2024-T62
12W8275	.080	2024-T6
12W8345	.080	2024-T62

Figure 3-154 WING TRAILING EDGE SEGMENT - FLAP NO. 1

F-111 WING SKIN PANEL DATA - SIZE

NAME	ASSEMBLY PART NO.	WIDTH-INBD END	PLAN VIEW SIZE (INCHES) WIDTH-OUTBD END	LENGTH
E. NO. 1 NOSE	12W7010	5.70	5.50	88.74 (TAC)
E. NO. 2 NOSE	12W7110	5.50	4.60	84.74 (SAC)
E. NO. 3 NOSE	12W2210	4.60	4.06	87.30
E. NO. 4 NOSE	12W2310	4.06	3.56	63.99
E. NO. 5 NOSE	12W5410	3.56	3.20	58.40
T SLAT NO. 1	12W6510	11.44	9.64	38.41
				88.74 (TAC)
				84.74 (SAC)
T SLAT NO. 2	12W6610	9.26	7.04	87.30
T SLAT NO. 3	12W1710	8.02	7.58	63.99
T SLAT NO. 4	12W1810	7.24	6.96	58.40
T SLAT NO. 5	12W5310	6.72	6.44	38.41
E. NO. 1	12W6010	2.40	8.20	81.77 (TAC)
		(9.12 AT 18.53 FROM INBD END)		77.77 (SAC)
E. NO. 2	12W6110	8.20	7.84	78.32
E. NO. 3	12W6210	7.84	7.62	58.57
E. NO. 4	12W6310	7.62	7.24	53.64
E. NO. 5	12W5910	7.24	7.00	38.41
XED L.E. STUB	12W6435	16.90	0.00	18.10 (TAC)
		(7.68 AT 6.10 FROM INBD END)		22.10 (SAC)
NG PANEL	12W027	20.96	61.84	288.24
NG TIP (TAC)	12W352	20.24	18.30	13.43
		19.80	19.20	10.22
NG TIP (FB-111A)	12W5152	20.52	14.24	55.00
E. FIXED NO. 1	12W7925	20.32	17.60	68.62
BD. SPOILER	12W8010	16.60	15.10	112.15
TBD. SPOILER	12W8110	13.44	11.34	133.35
. EDGE NO. 4	12W7620	14.40	11.48	51.63
. EDGE NO. 5	12W9903	11.40	10.76	52.41

WING SKIN PANEL DATA - SIZE (Cont'd)

NAME	ASSEMBLY PART NO.	WIDTH-INBD END	PLAN VIEW SIZE (INCHES)		LENGTH
			WIDTH-OUTBD END		
AIRFL DFTR NO. 1	12W9505	11.58		9.46	62.27
AIRFL DFTR NO. 2	12W9605	8.94		7.32	67.03
AIRFL DFTR NO. 3	12W9705	7.70		5.80	54.40
AIRFL DFTR NO. 4	12W9805	5.56		4.06	44.84
AIRFL DFTR NO. 5	12W9996	4.72		4.30	45.28
VANE NO. 1	12W9010	13.50		11.54	62.22
VANE NO. 2	12W9110	11.32		9.24	67.05
VANE NO. 3	12W9210	8.90		7.26	55.54
VANE NO. 4	12W9310	6.92		5.56	44.47
VANE NO. 5	12W9960	5.32		3.90	44.40
FLAP NO. 1	12W8210	14.20 (30.6 AT 20.4 FROM INBD END)		29.20	62.17
FLAP NO. 2	12W8410	28.40		23.80	70.24
FLAP NO. 3	12W8610	22.94		18.64	57.98
FLAP NO. 4	12W8810	18.20		14.28	46.93
FLAP NO. 5	12W9917	14.08		10.72	43.48

3-166

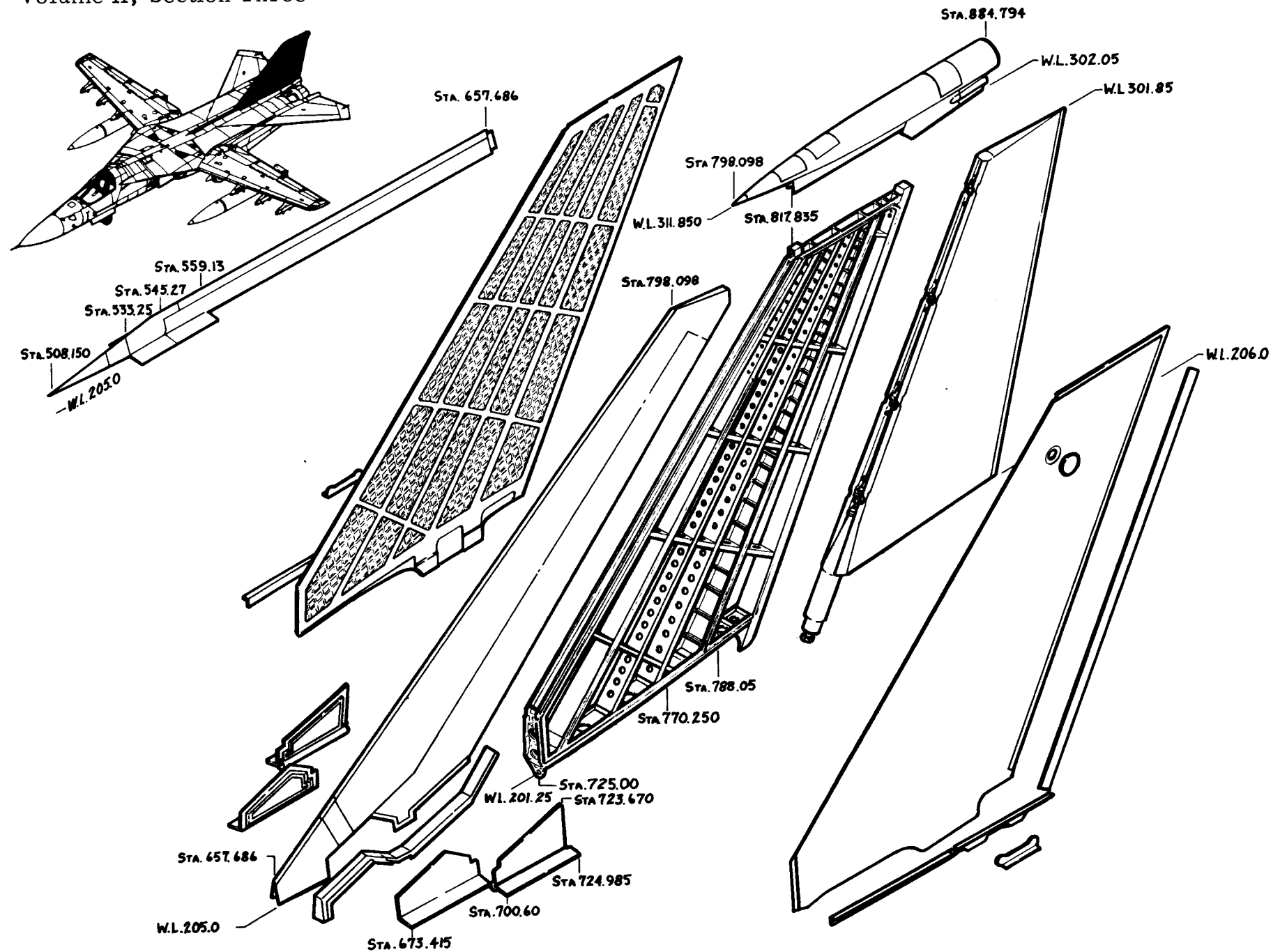


Figure 3-156 VERTICAL STABILIZER AND RUDDER

3-168

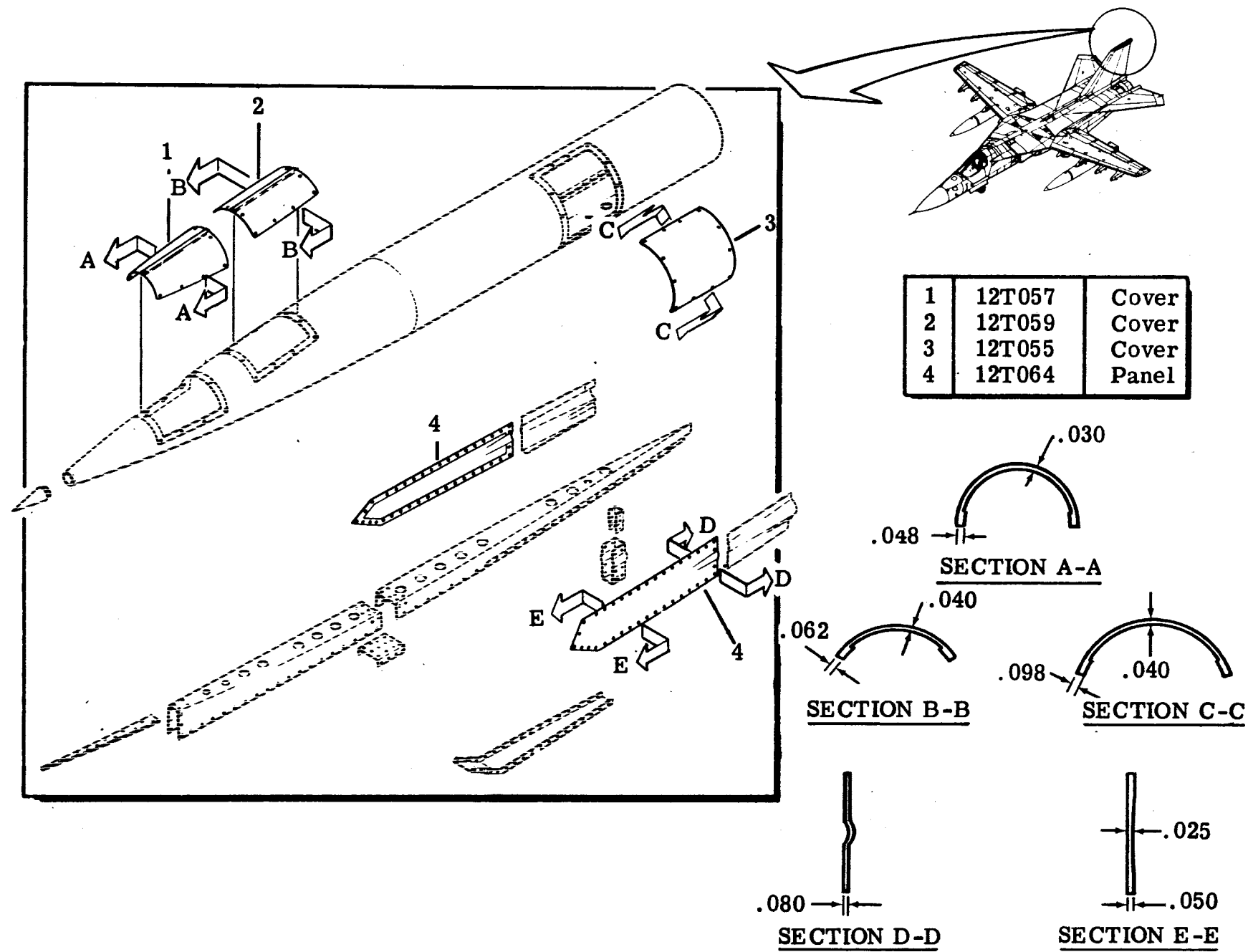


Figure 3-158 VERTICAL STABILIZER TIP-SKIN DIMENSIONS

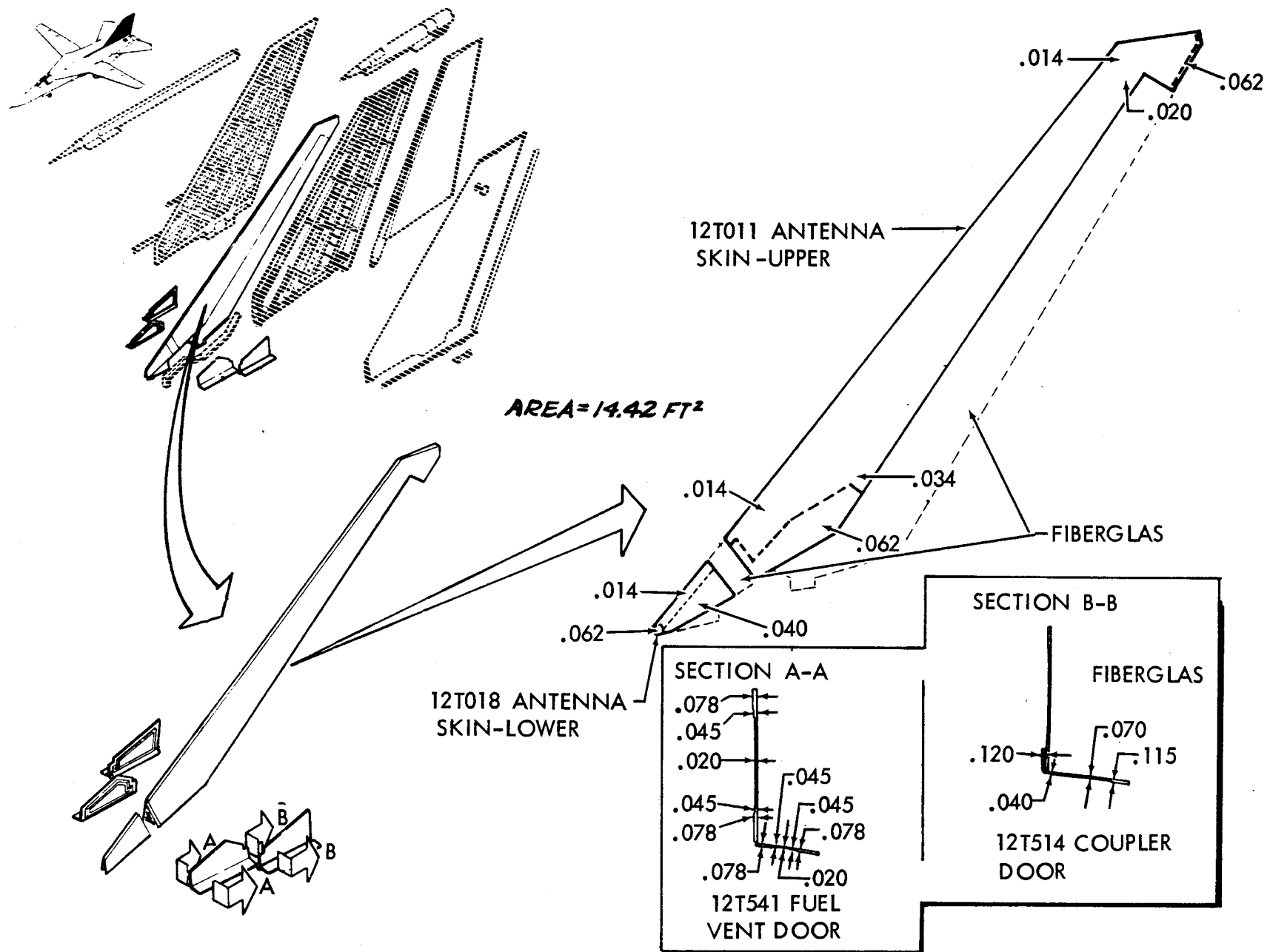


Figure 3-159 VERTICAL STABILIZER LEADING EDGE

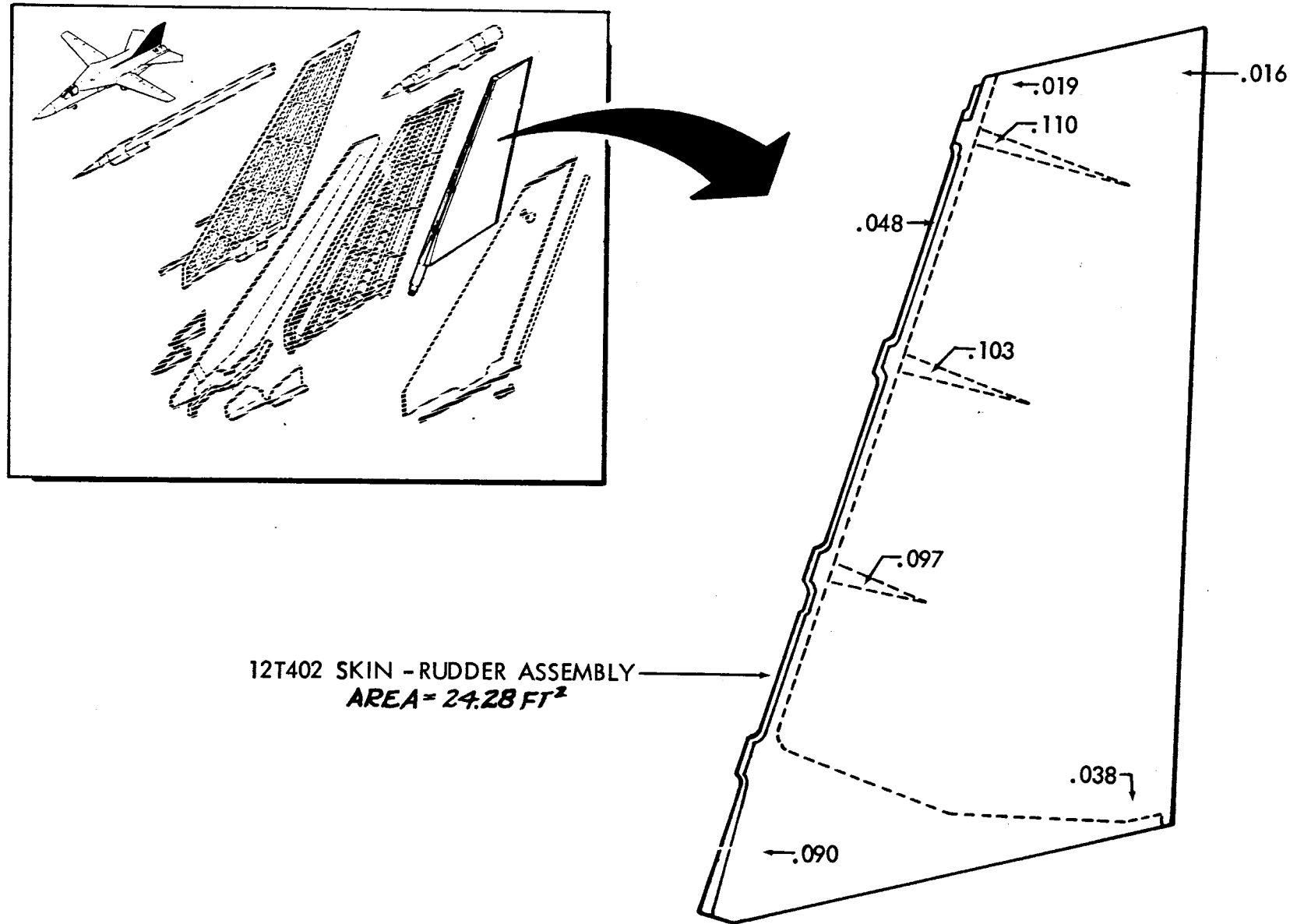


Figure 3-160 VERTICAL STABILIZER RUDDER

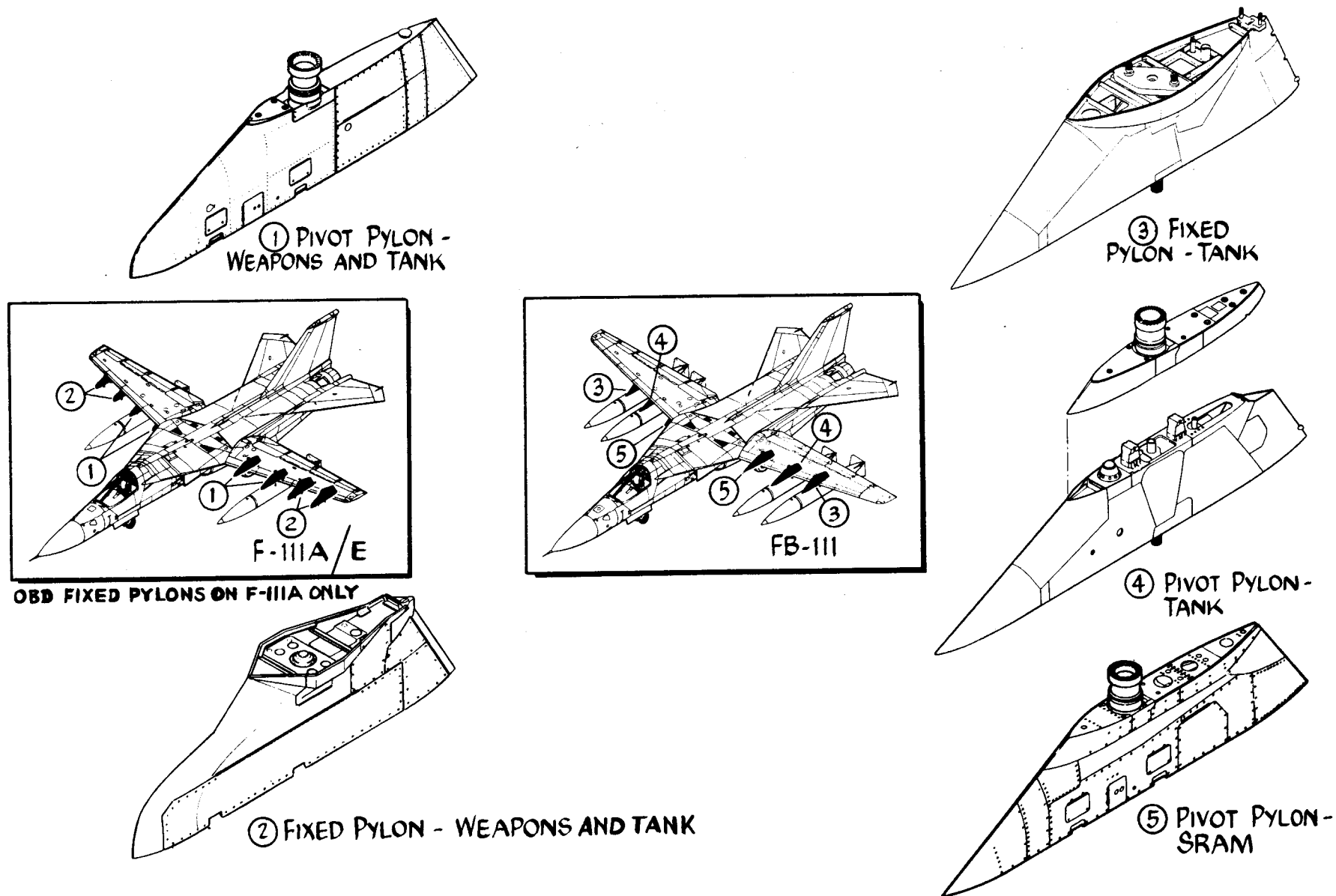
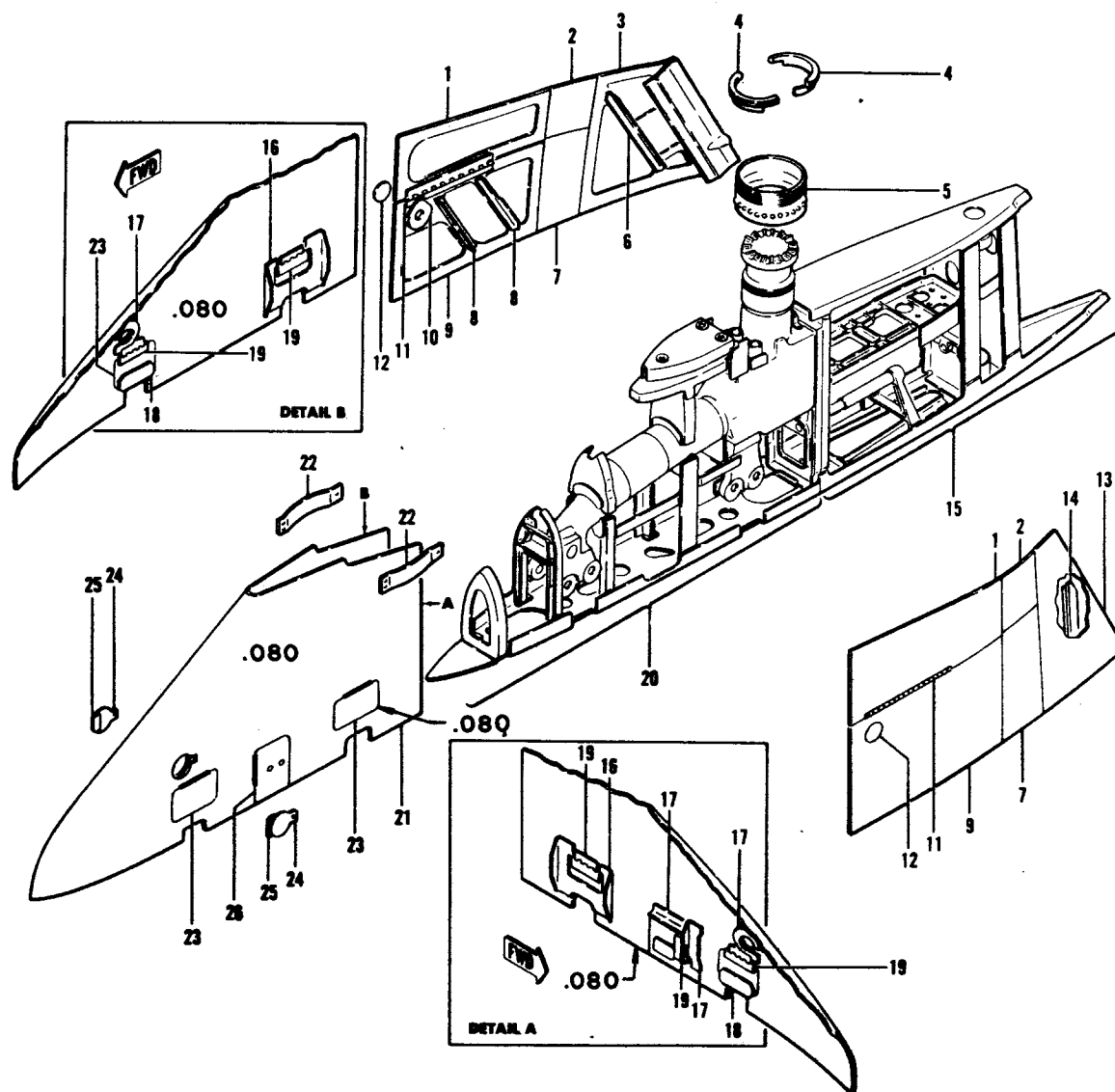


Figure 3-161 PYLON CONFIGURATIONS



1	12S182	COVER	2024-T81
2	12S186	PANEL	2024-T81
3	12S120	SKIN	2024-T6
4	12S147	COLLAR	6AL-6V-2SN
5	12S615	NUT	6AL-6V-2SN
6	12S120	STIFFENER	2024-T3511
7	12S185	PANEL	2024-T81
8	12S189	STIFFENER	2024-T3511
9	12S181	DOOR	2024-T81
10	12S189	FLANGE	2024-T81
11	MS20001	HINGE	
12	12S189	PLATE	2024-T81
13	12S118	COVER	2024-T6
14	12S118	STIFFENER	2024-T3511
15	12S176	SUPPORT ASSEMBLY - AFT	
16	12S107	DOUBLER	2024-T6
17	12S107	DOUBLER	2024-T6
18	12S107	RIB	2024-T6
19	MS20001	HINGE	
20	12S176	SUPPORT ASSEMBLY - FWD	
21	12S107	SKIN	6061-T6
22	12S124	COVER	2024-T6
23	12S124	DOOR	2024-T6
24	12S124	COVER	2024-T6
25	12S124	STOP	2024-T6
26	12S124	DOOR	2024-T6

Figure 3-162 F-111A PIVOT PYLON SKIN PANELS
F-111E

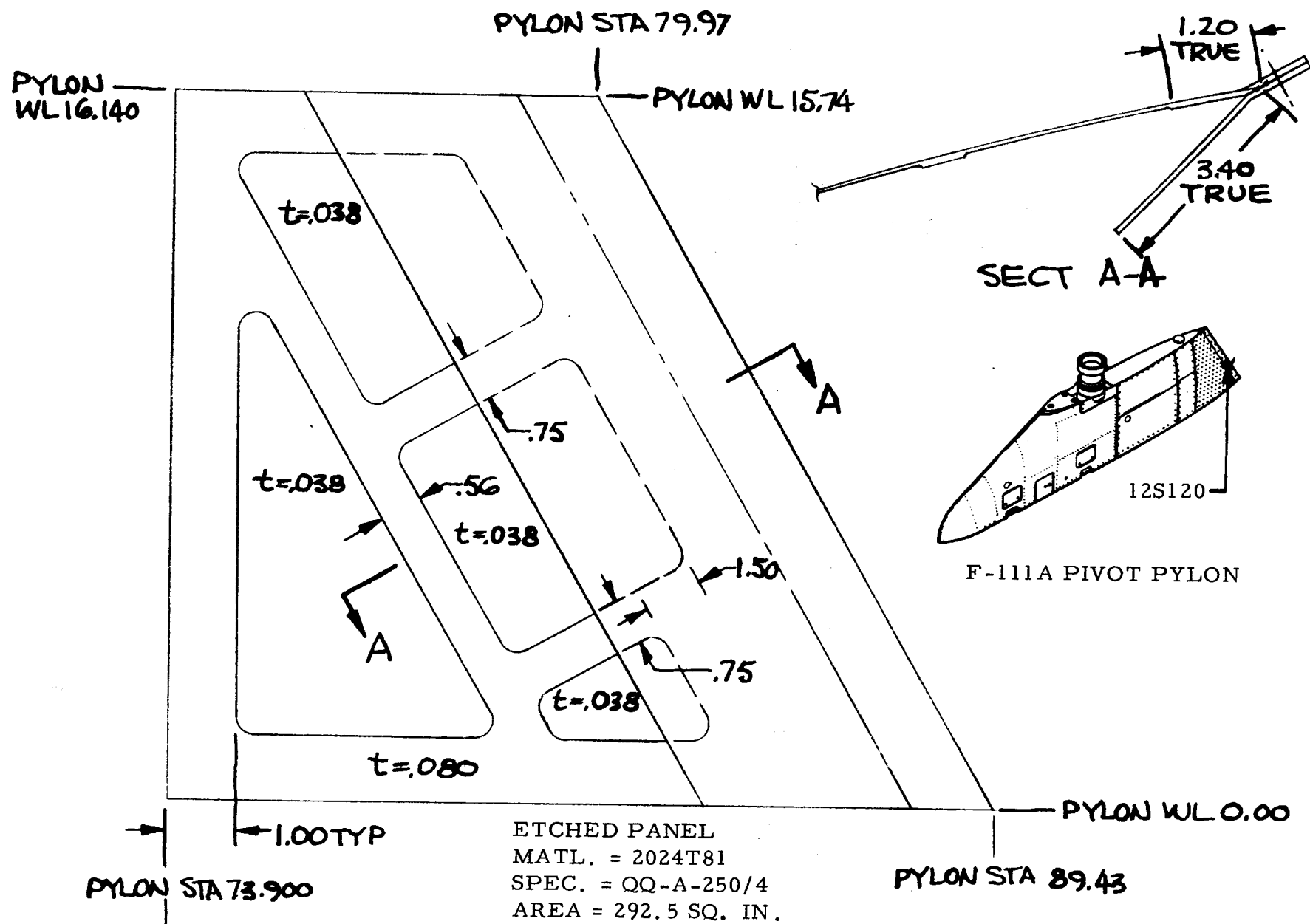
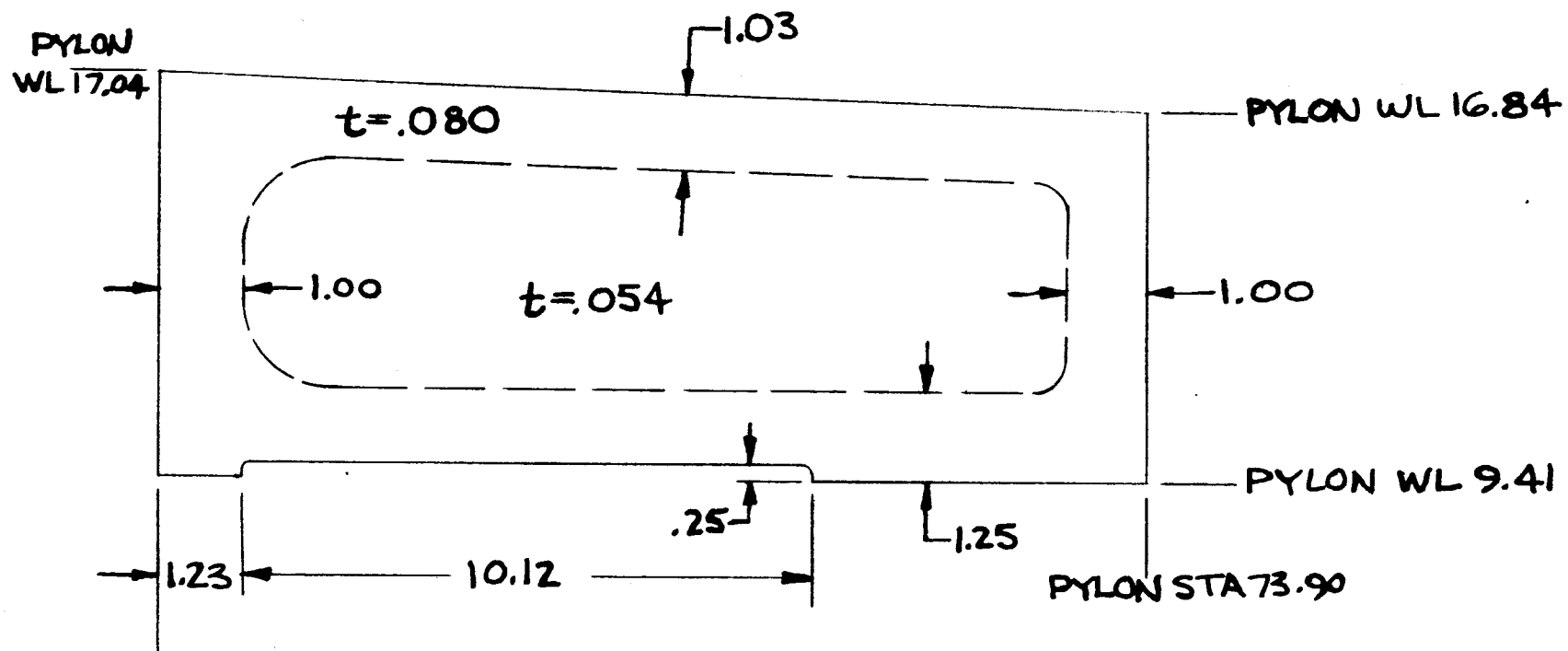


Figure 3-163 F-111A 12S120 R.H. AFT PIVOT PYLON SKIN
F-111E



ETCHED PANEL
 MATL = 2024T81
 SPEC = QQ-A-250/4
 AREA = 292.5 IN²

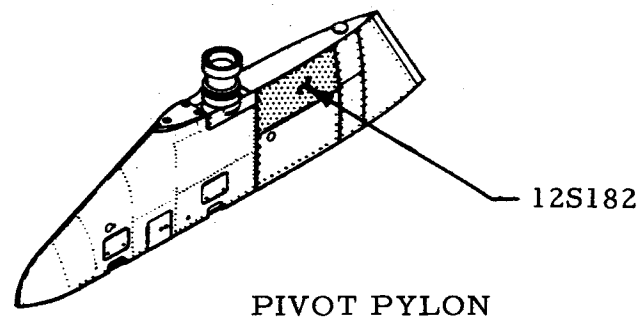


Figure 3-164 F-111A 12S182 PIVOT PYLON AFT ACCESS COVER
 F-111E

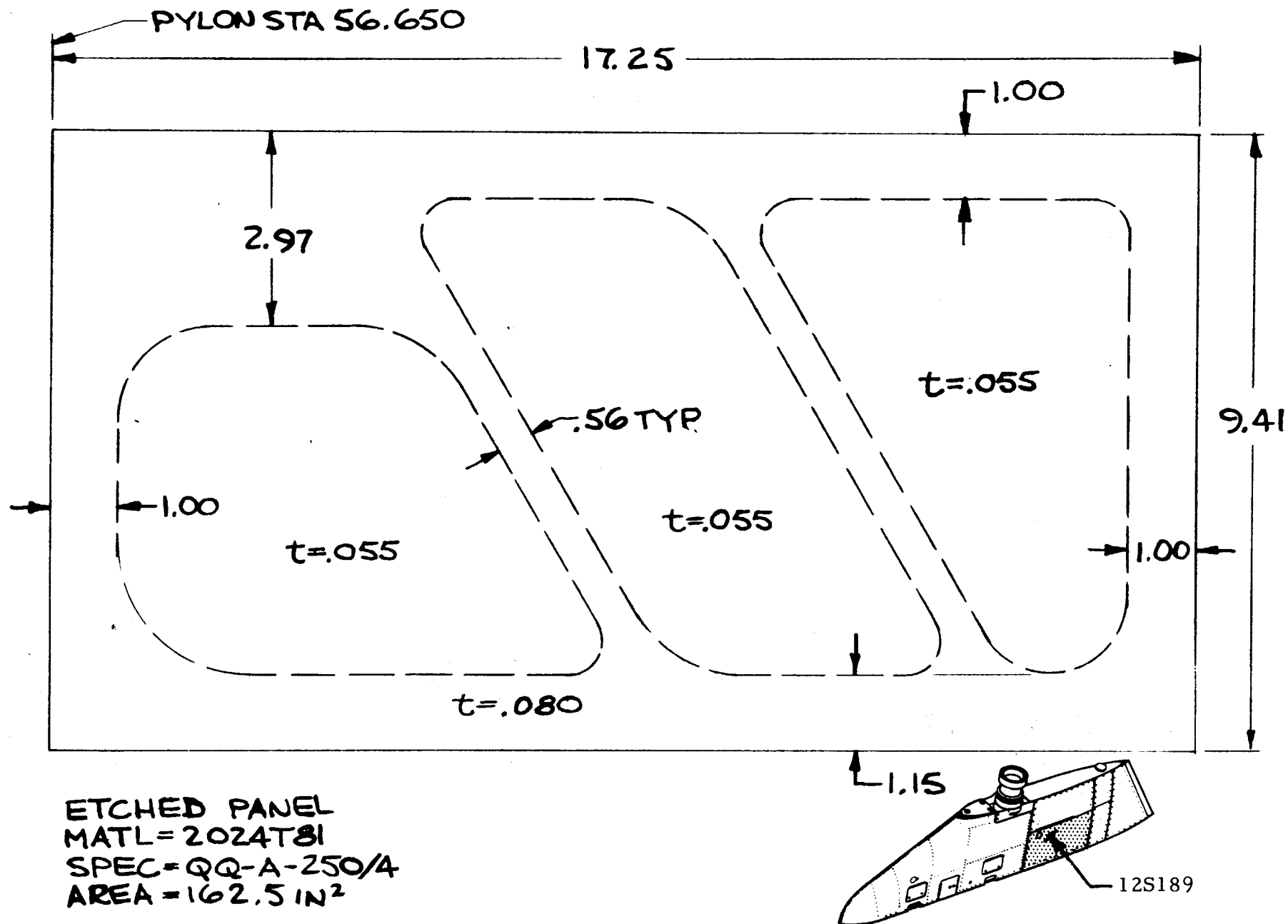


Figure 3-165 F-111A 12S189 AFT PIVOT PYLON ACCESS DOOR
F-111E

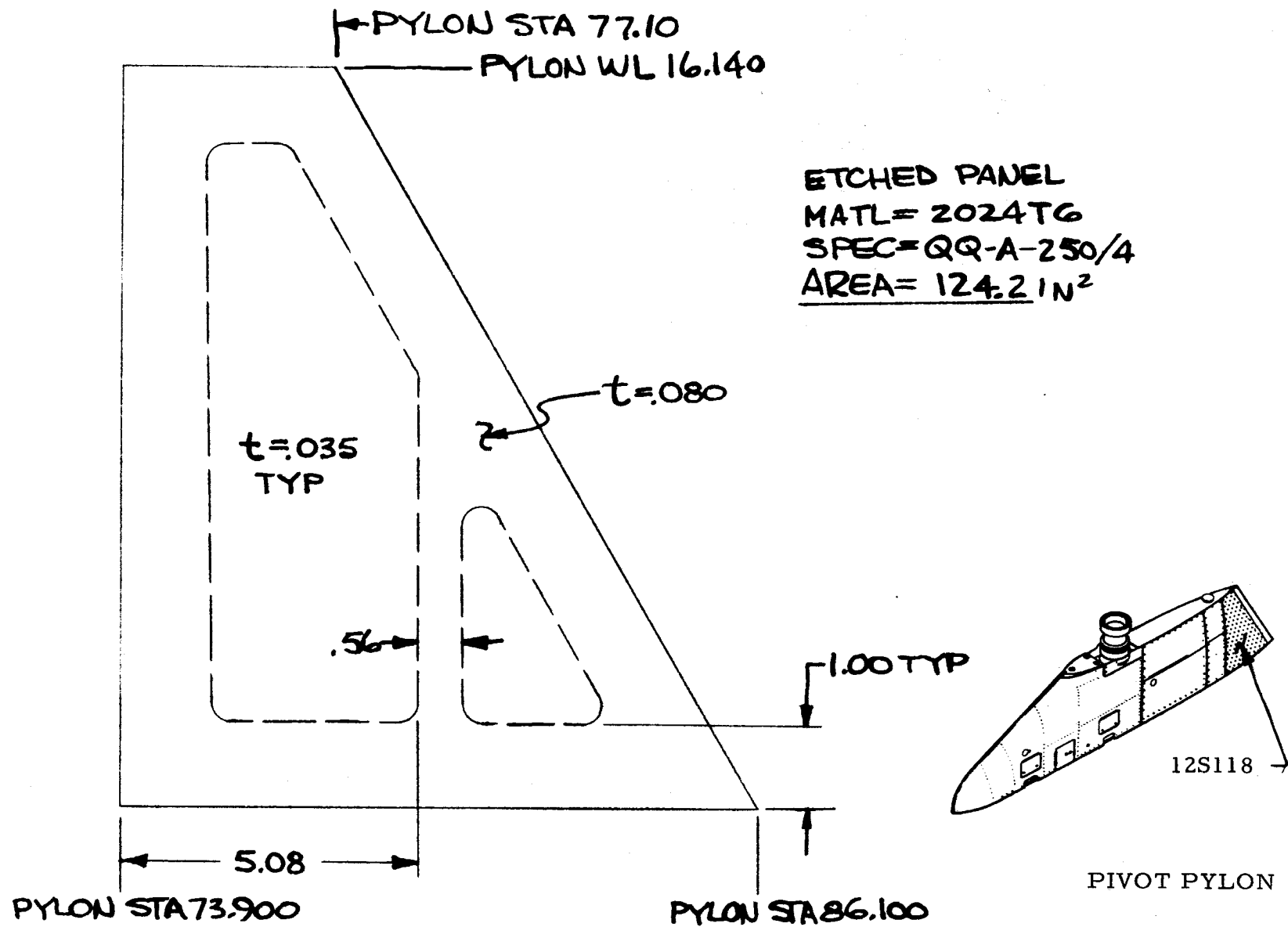


Figure 3-166 F-111A 12S118 PIVOT PYLON L.H. TRAILING EDGE ACCESS COVER
F-111E

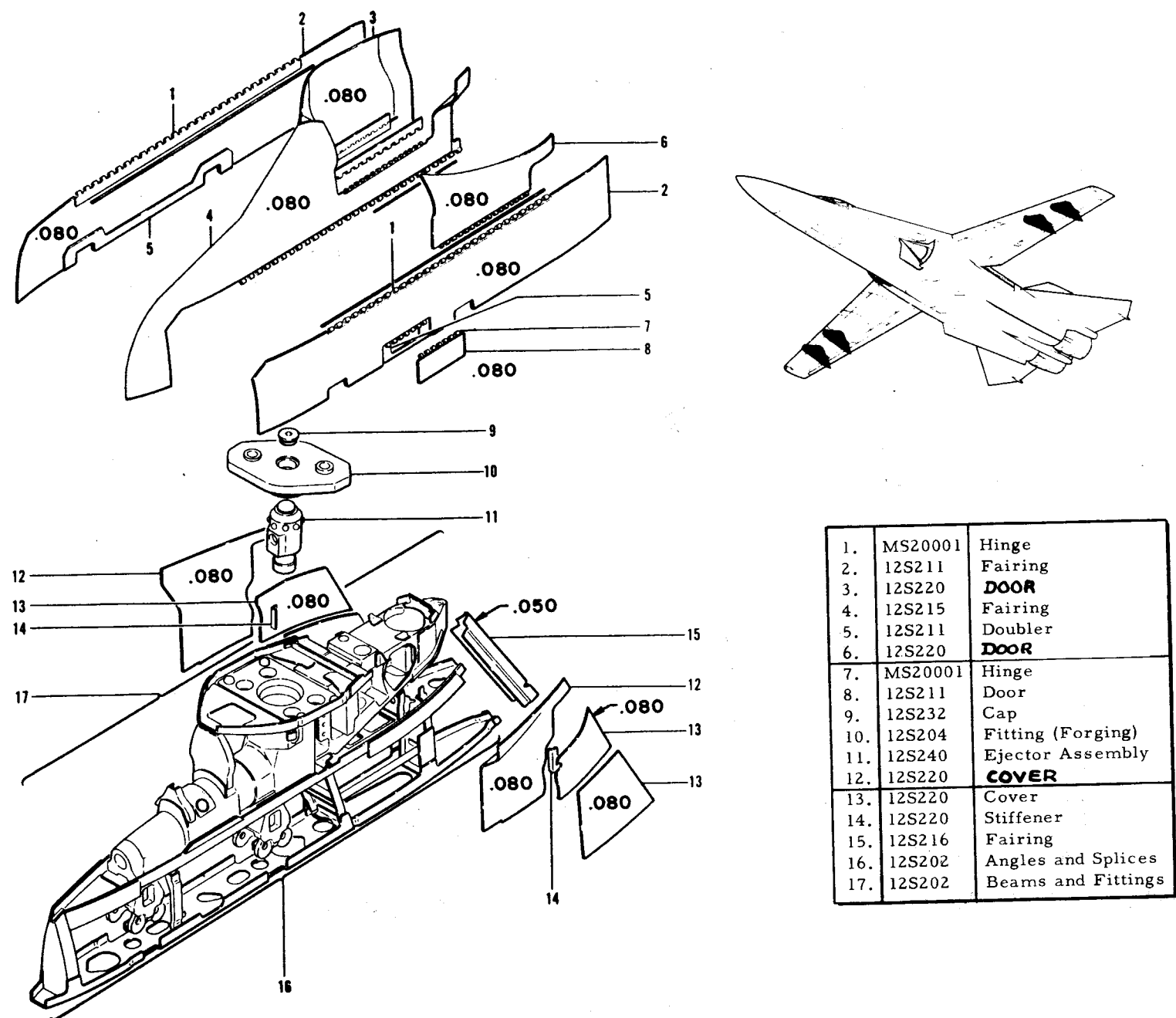
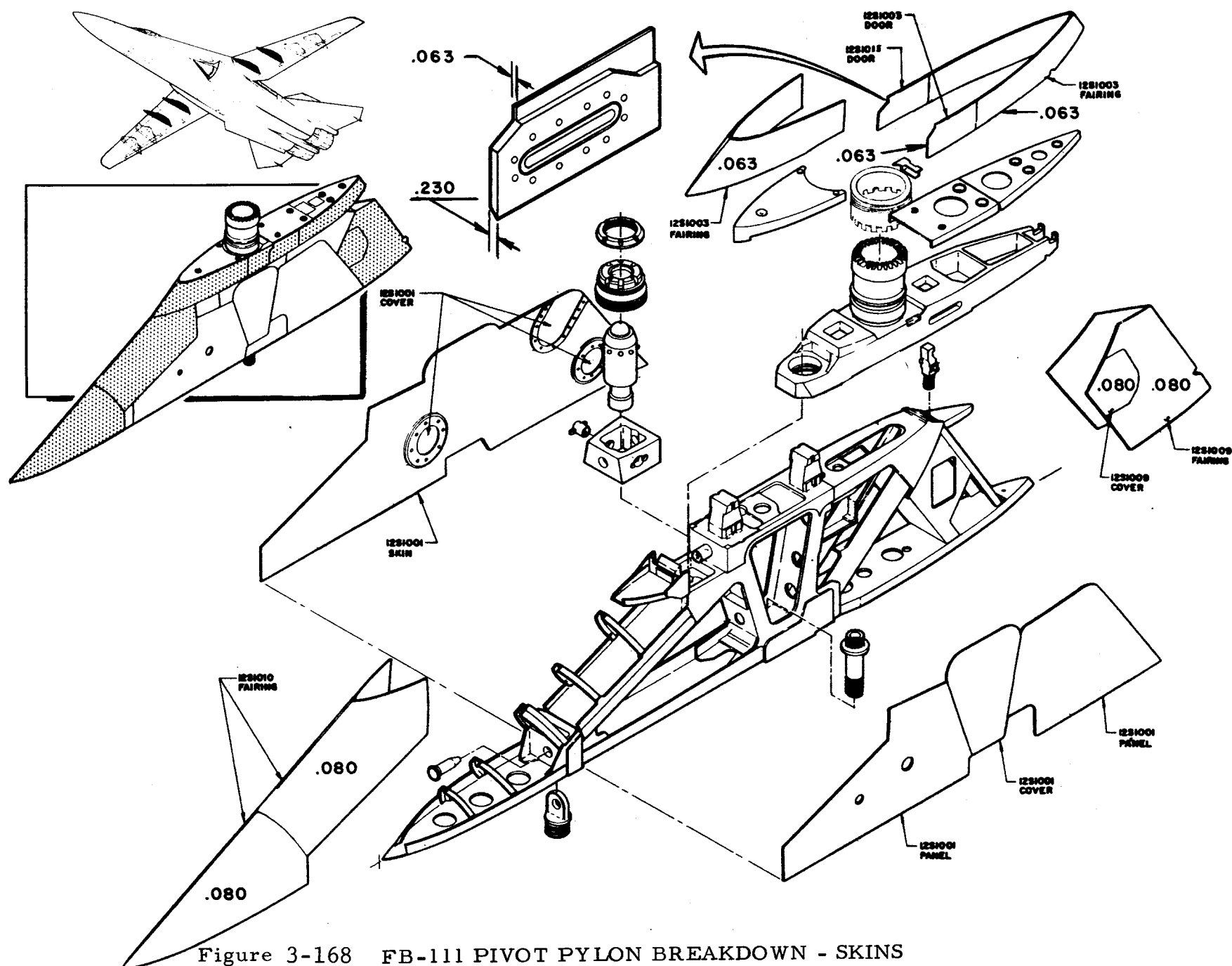


Figure 3-167 F-111A FIXED PYLON SKIN PANELS
F-111E



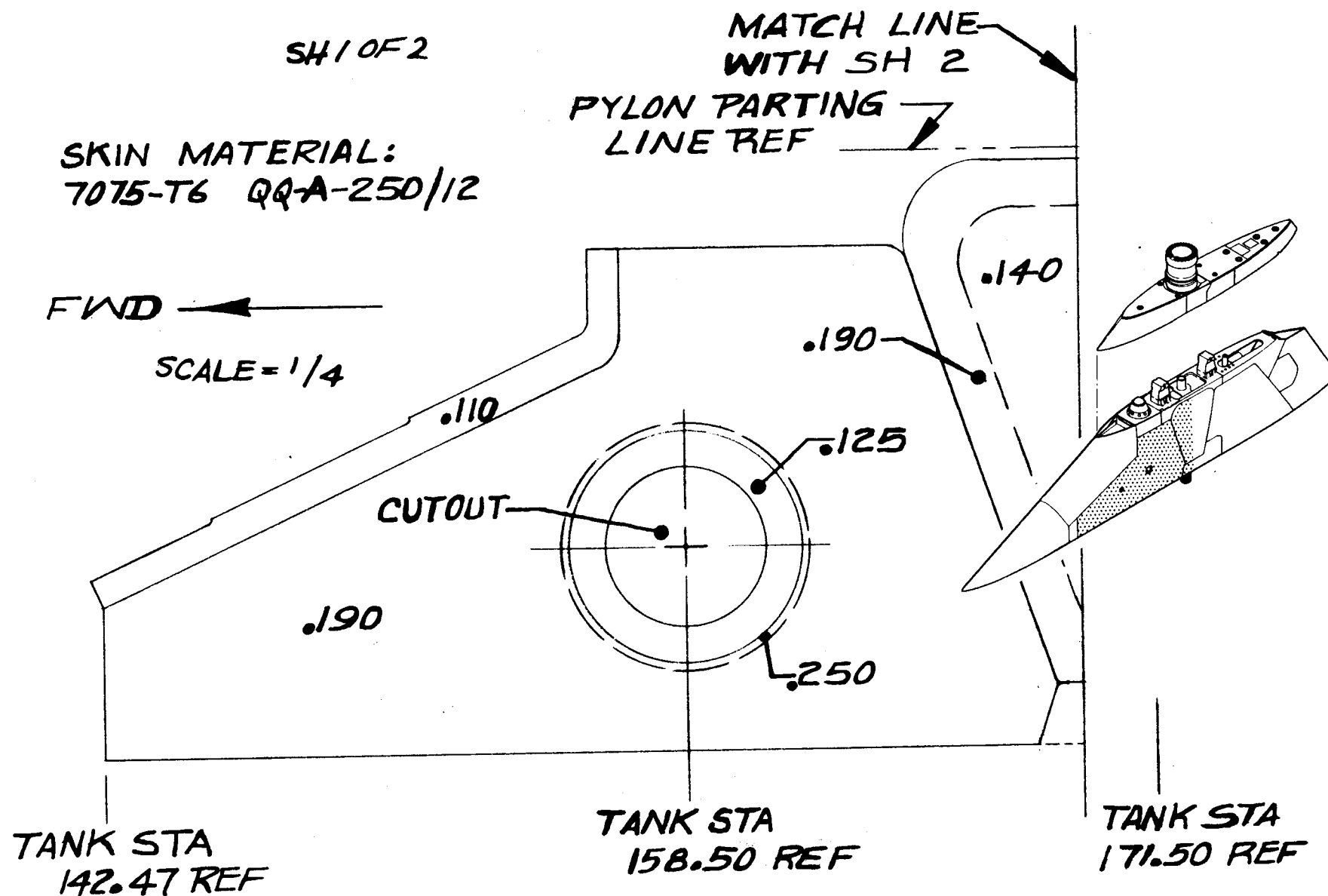


Figure 3-169 FB-111 12S1001 - SKINS, INBOARD PIVOT PYLON LEFT HAND SIDE

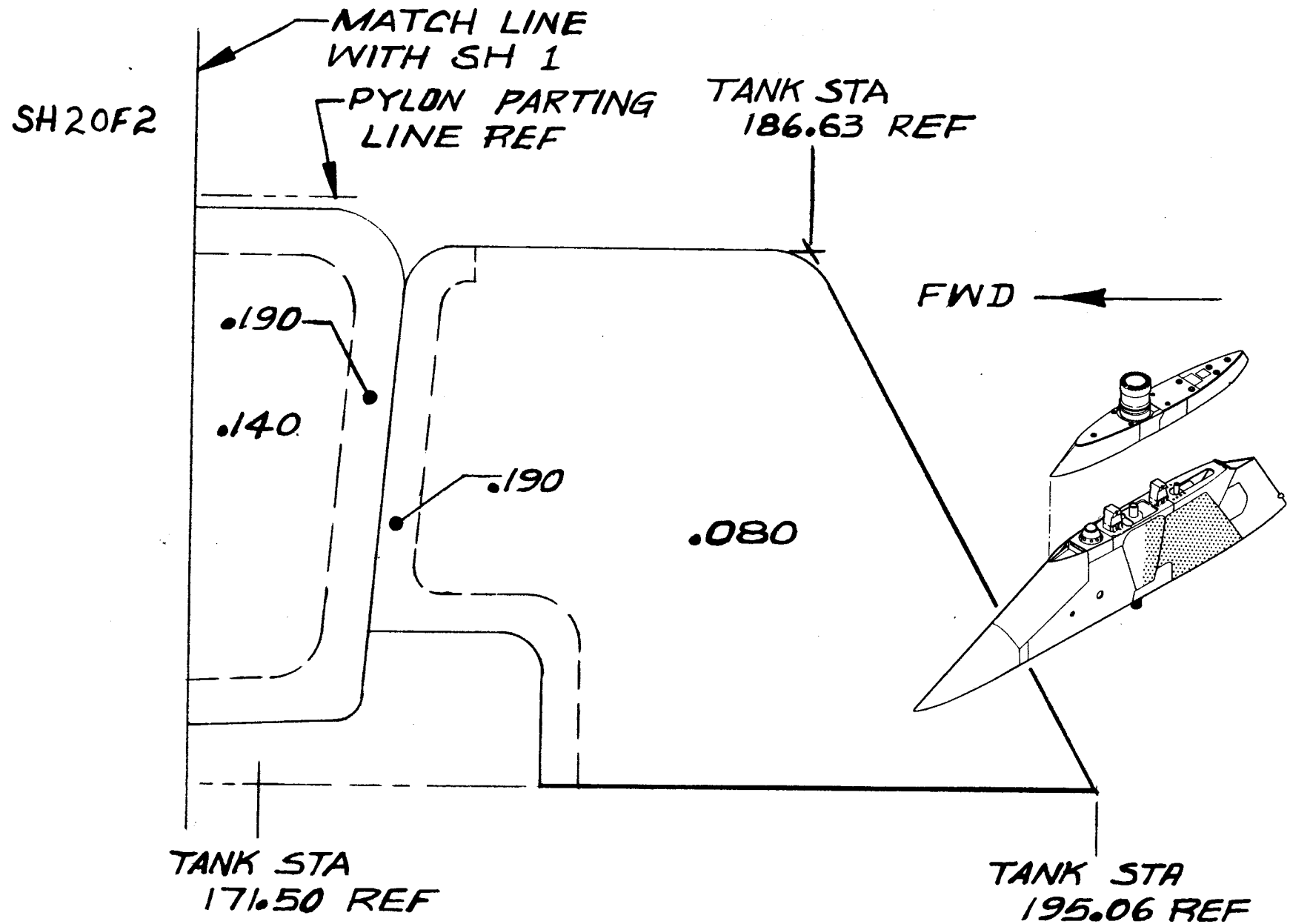


Figure 3-170 FB-111 12S1001 - SKINS, INBOARD PIVOT PYLON LEFT HAND SIDE

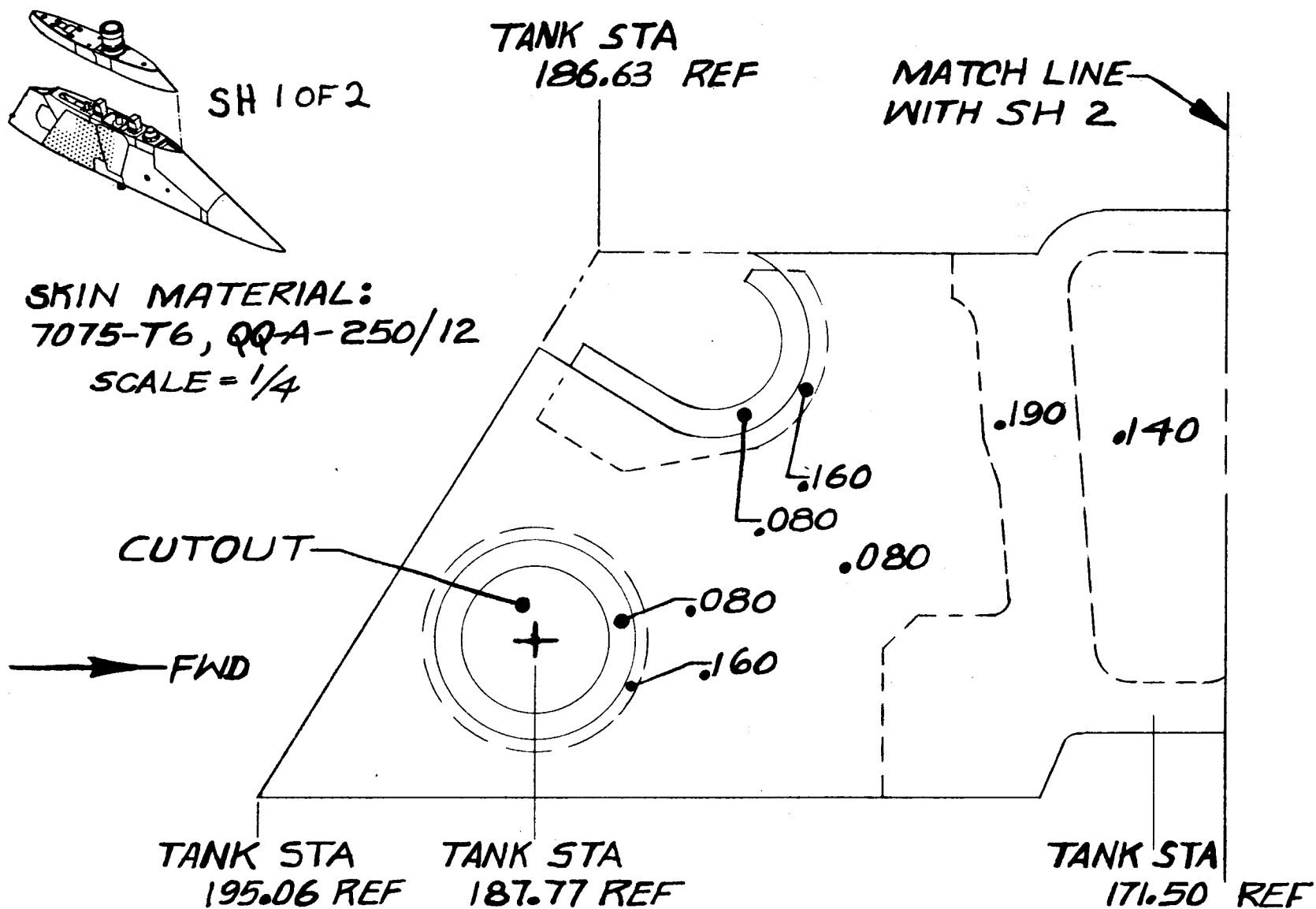


Figure 3-171 FB-111 12S1001 - SKIN - OUTBOARD PIVOT PYLON RIGHT HAND SIDE ONLY

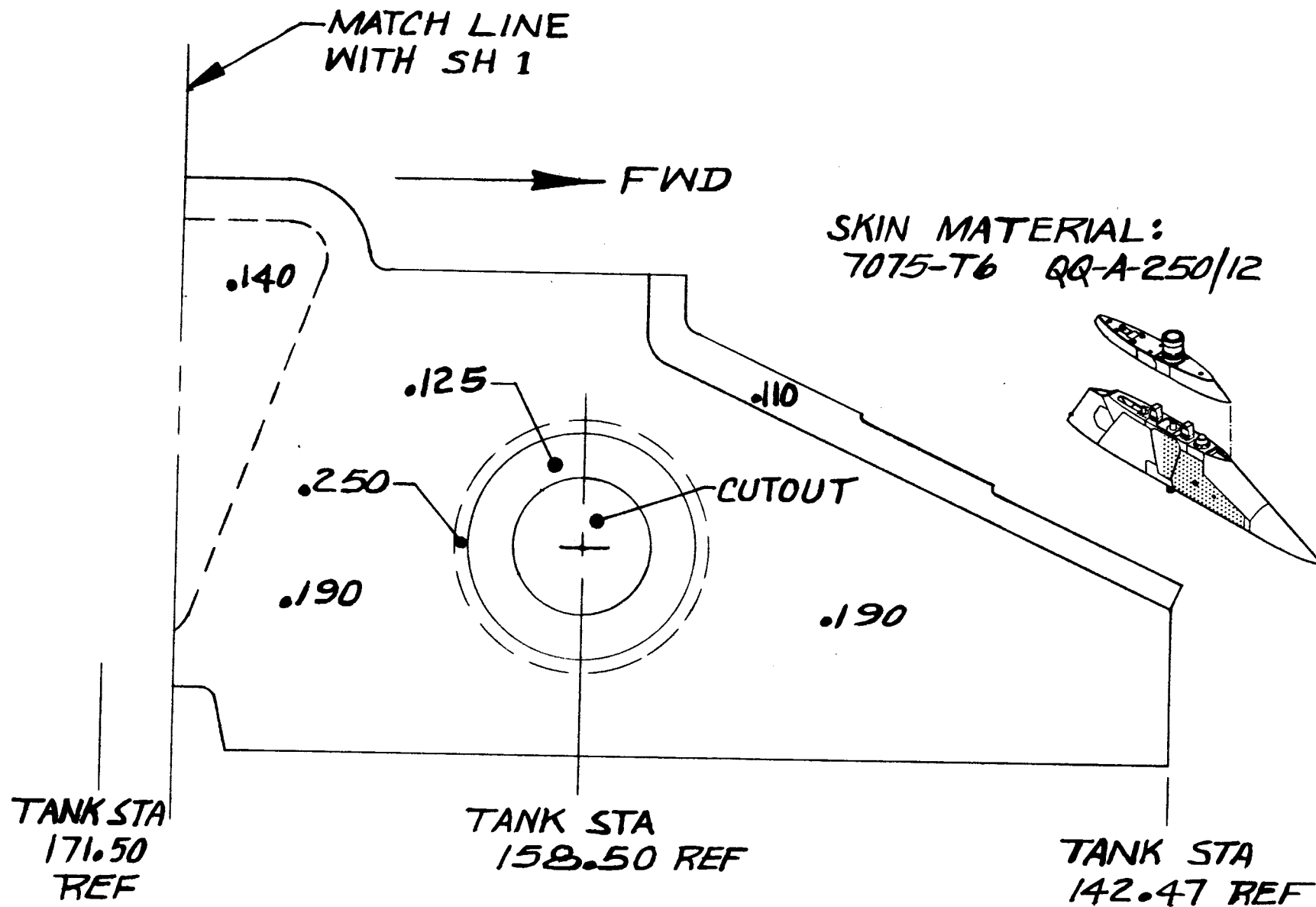


Figure 3-172 FB-111 12S1001 - SKIN - OUTBOARD PIVOT PYLON,
RIGHT HAND SIDE ONLY

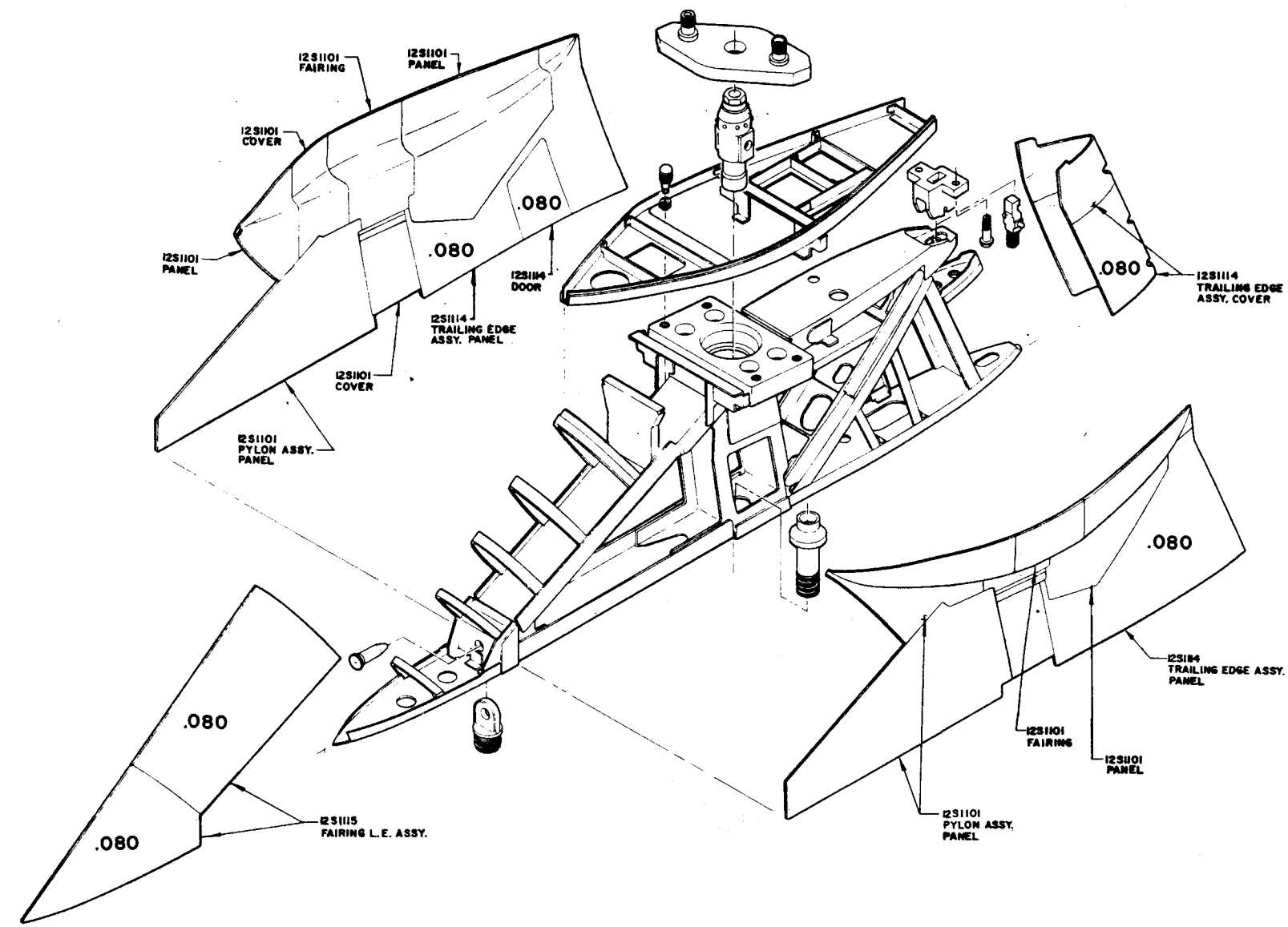


Figure 3-173 FB-111 FIXED PYLON BREAKDOWN - SKINS

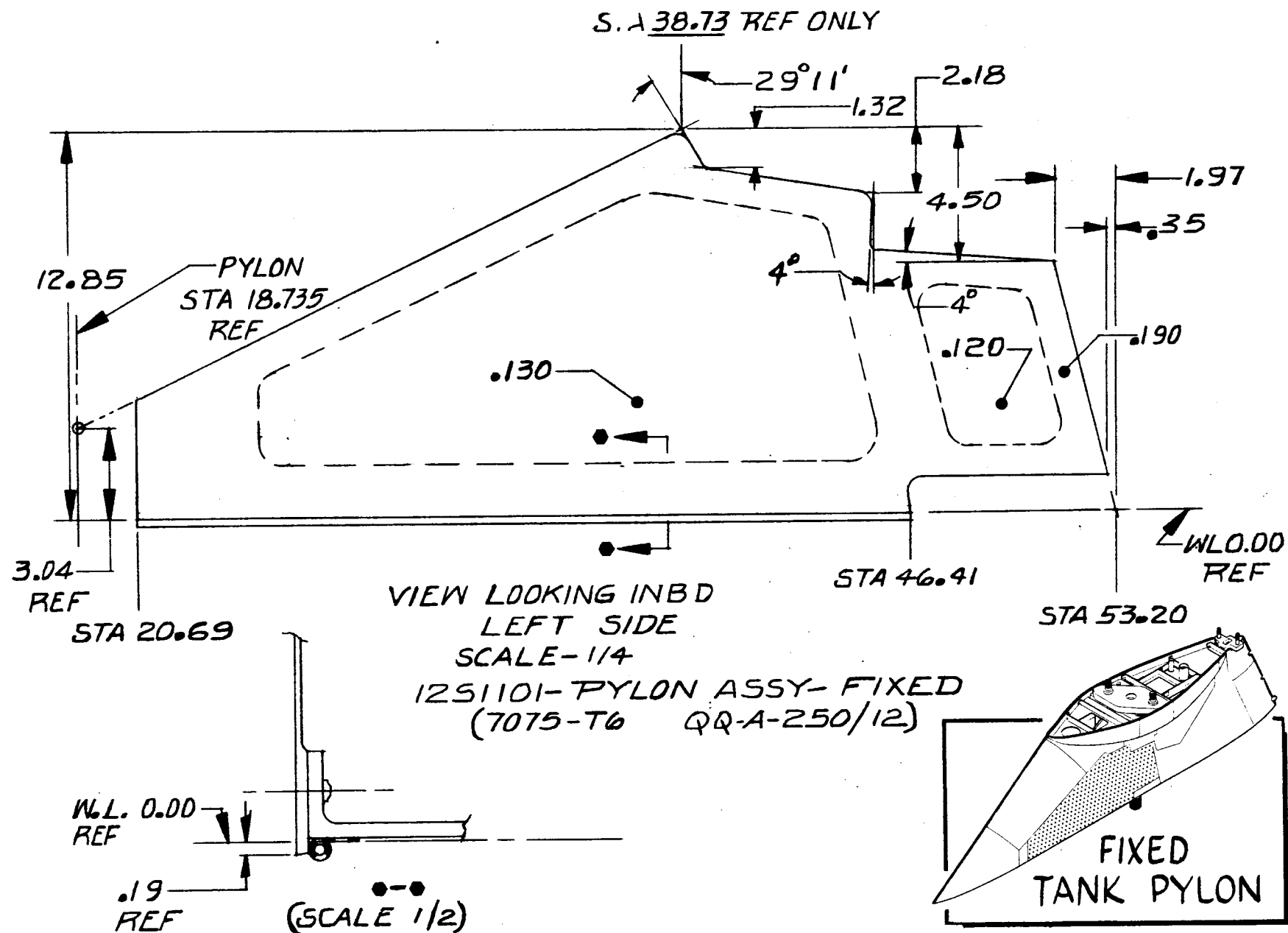


Figure 3-174 FB-111 12S1101 - PYLON ASSEMBLY-FIXED

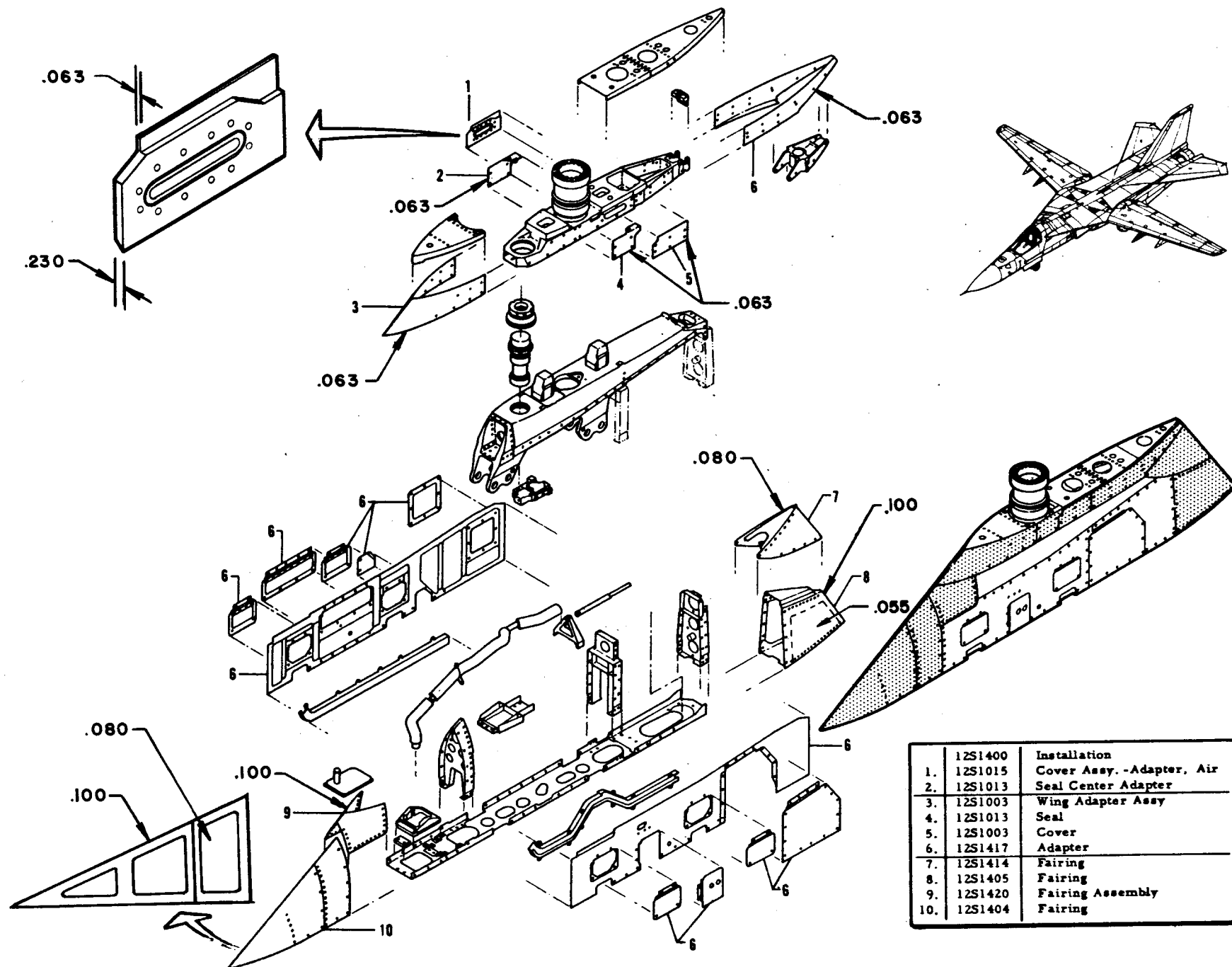


Figure 3-175 FB-111 PIVOT PYLON - SRAM - SKINS & FAIRING,

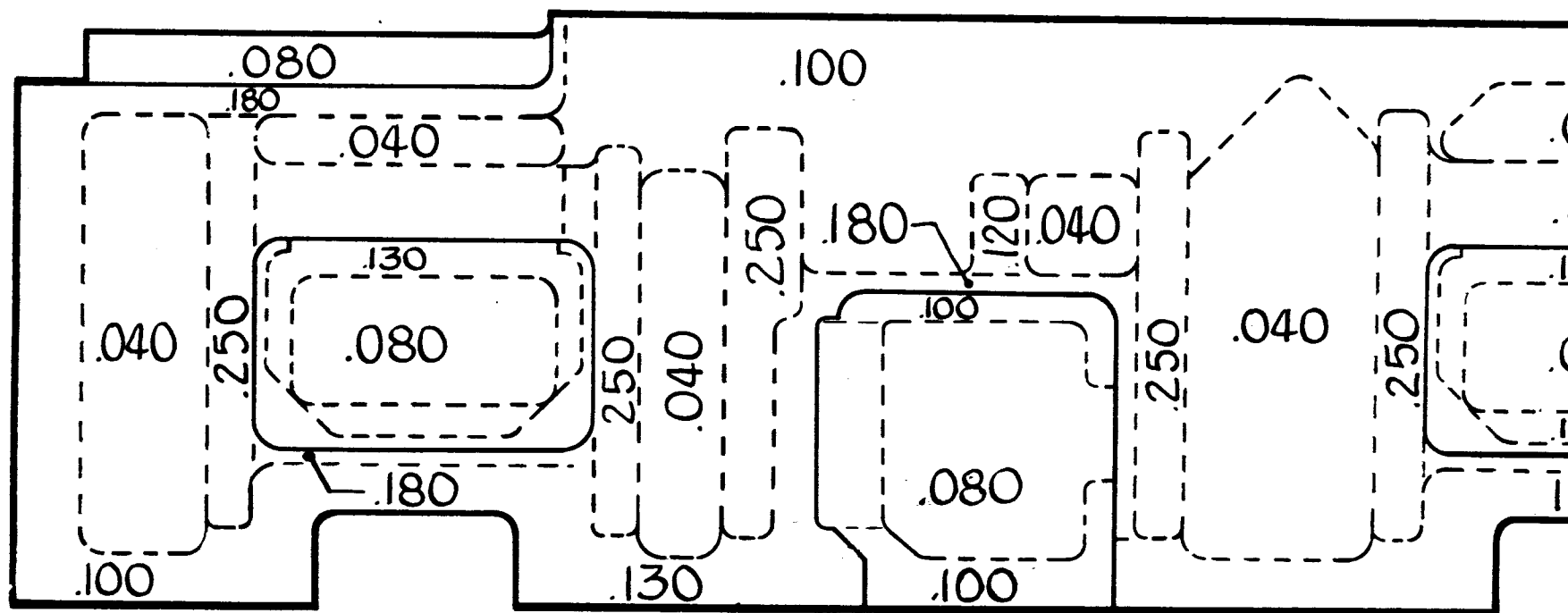
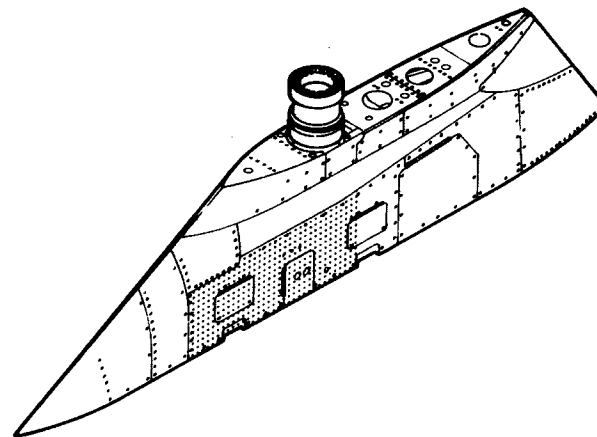
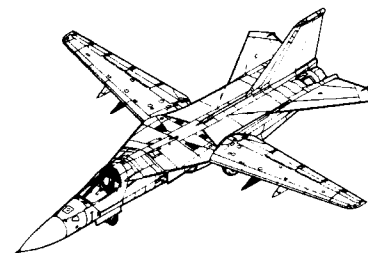


Figure 3-176 FB-111 PIVOT PYLON- SRAM SKINS

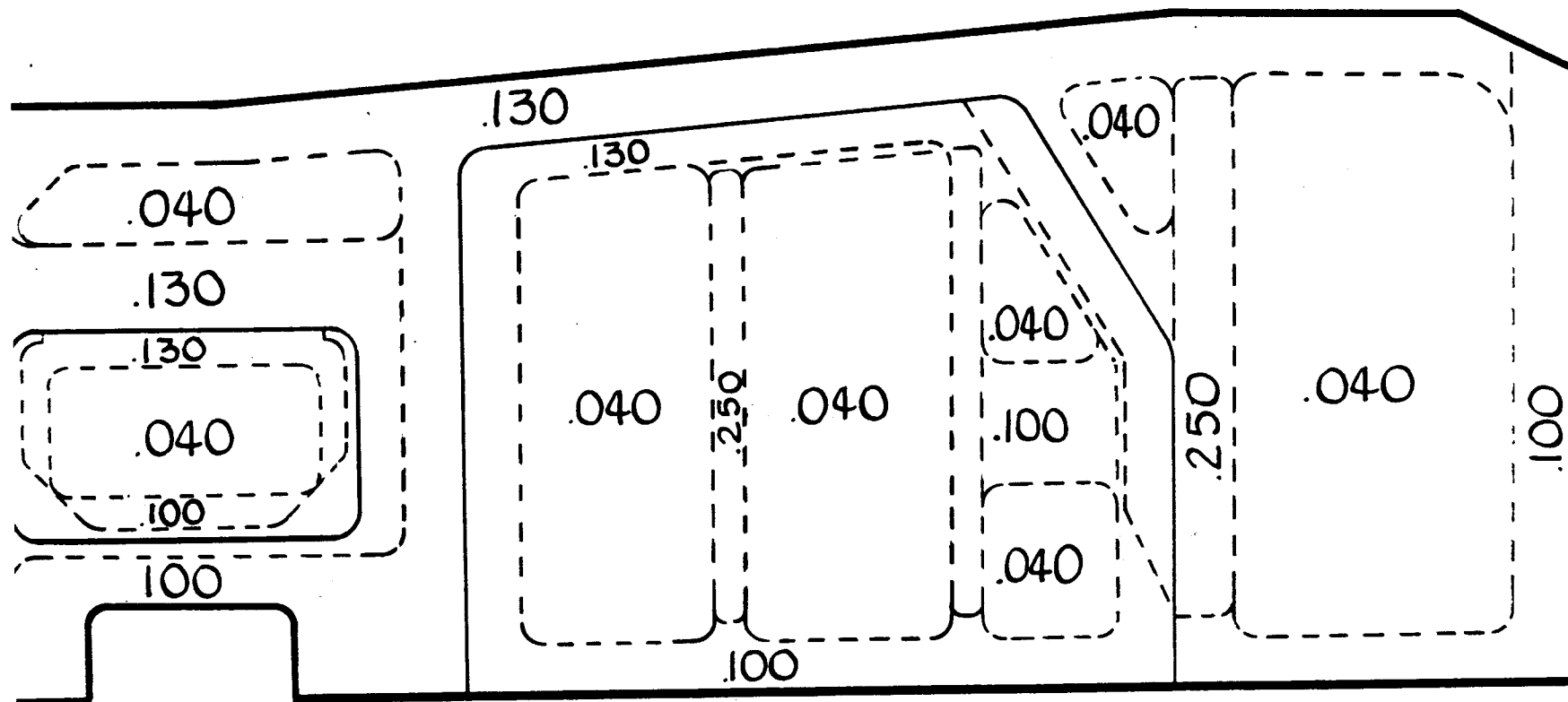
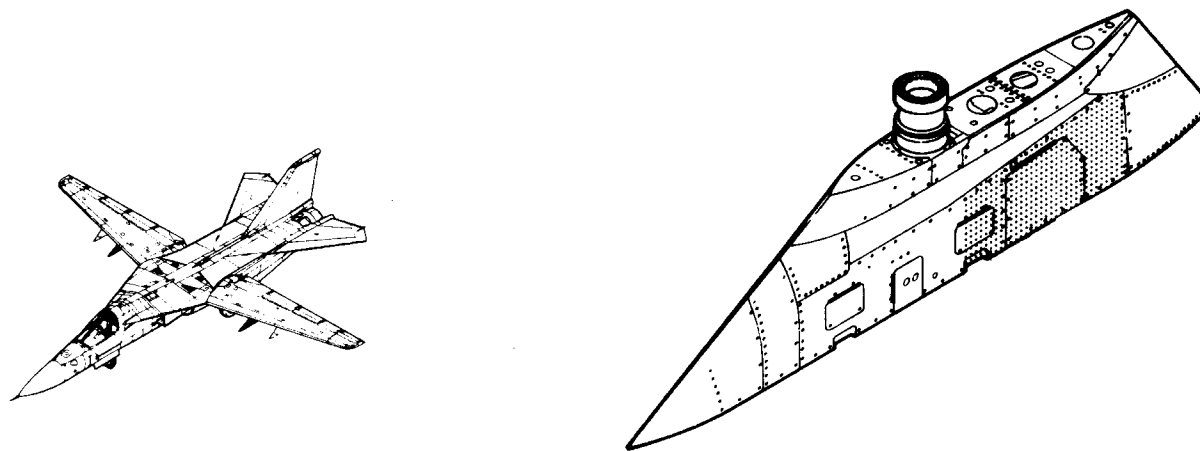


Figure 3-177 FB-111 PIVOT PYLON - SRAM SKINS



SECTION FOUR

PRODUCTION ASSEMBLY DESCRIPTION

SECTION IV

PRODUCTION ASSEMBLY DESCRIPTION

A general description of the production and assembly of the F-111A, A1: 31 through 159, F-111E, A1: 160 and on, and the FB-111 airplane, No. 3 and on, is presented by the arrangement of sketches showing the breakdown details of the major components and their respective attachment points.

Production breakdowns of the major components are presented by the arrangement of sketches of the detail parts and assemblies that make up the components, followed by various manufacturing sequences of detailed progressive assembly.

The wing lower surface skin is attached to the under structure with Taper-Lok fasteners. Sandwich panels are fastened by bolts, screws and/or rivets as required for structural stability. Titanium HI-LOK pins are used in both the wing and fuselage areas.

A pictorial manufacturing sequence is presented by a flow chart arrangement of assembly sketches of the wing, fuselage, landing gear, engines, stabilizers, and other major components depicting the mating and progressive assembly of the airplane.

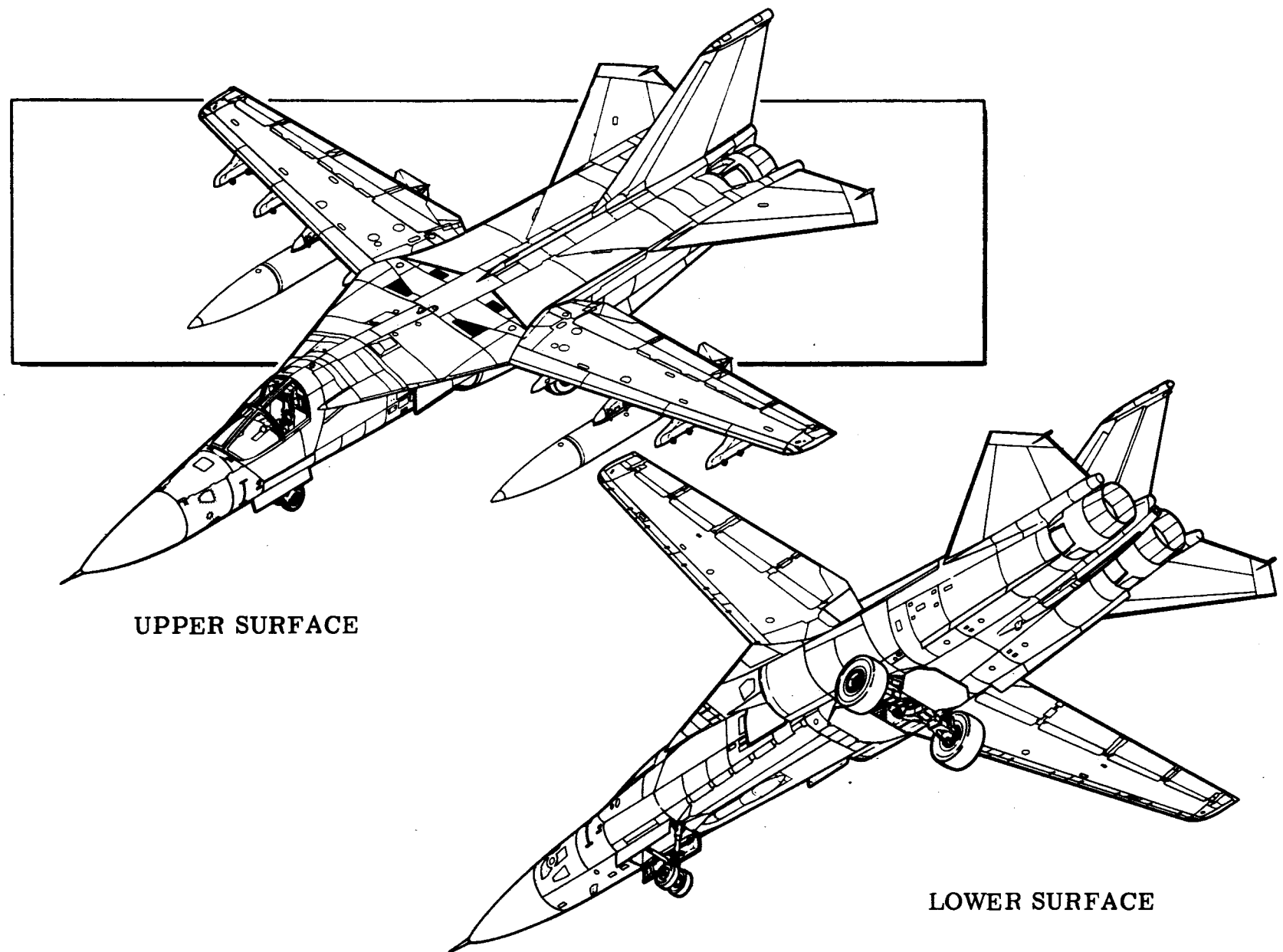


Figure 4-1 F-111A UPPER/LOWER SURFACE

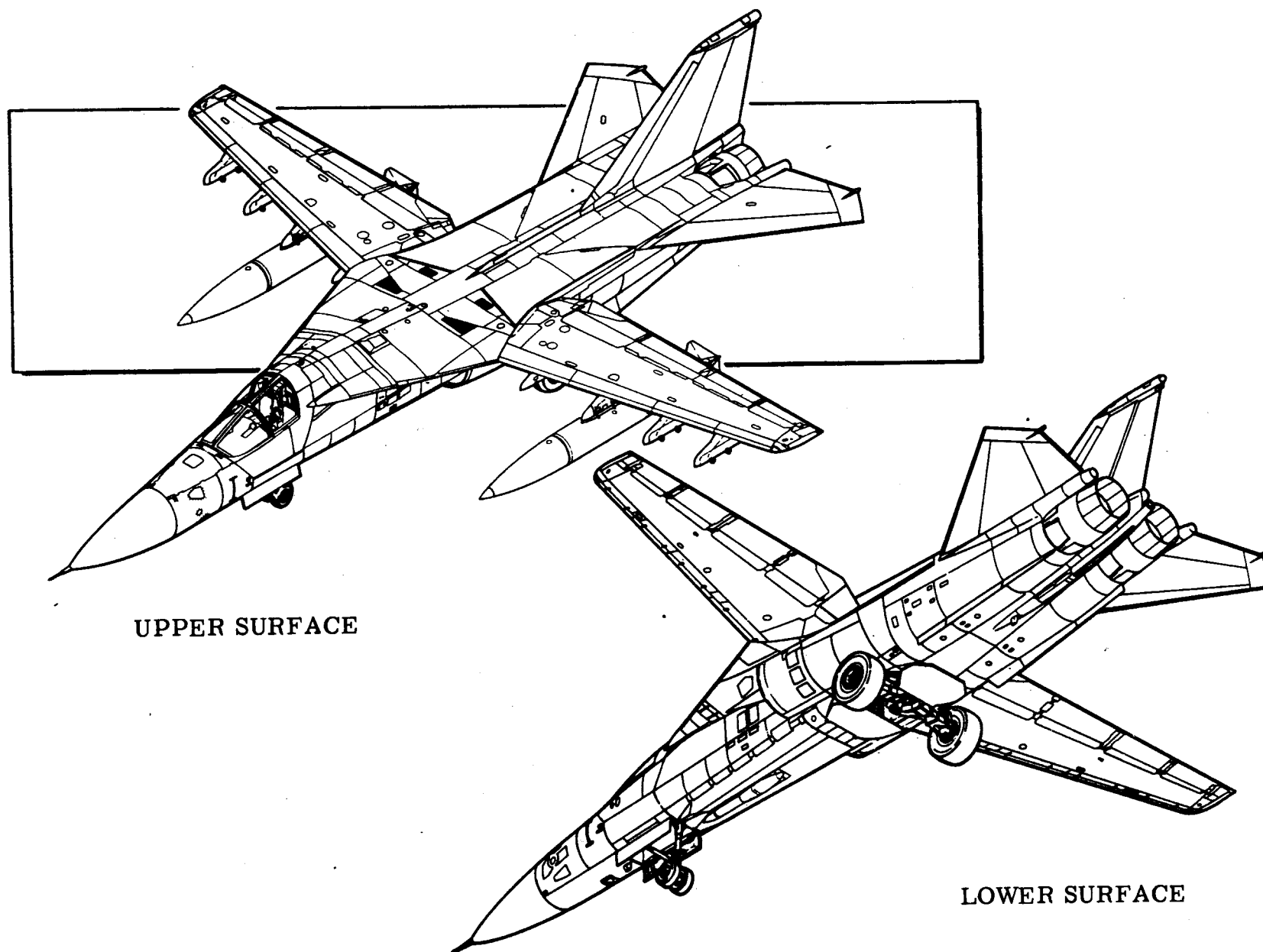


Figure F-111E UPPER/LOWER SURFACE

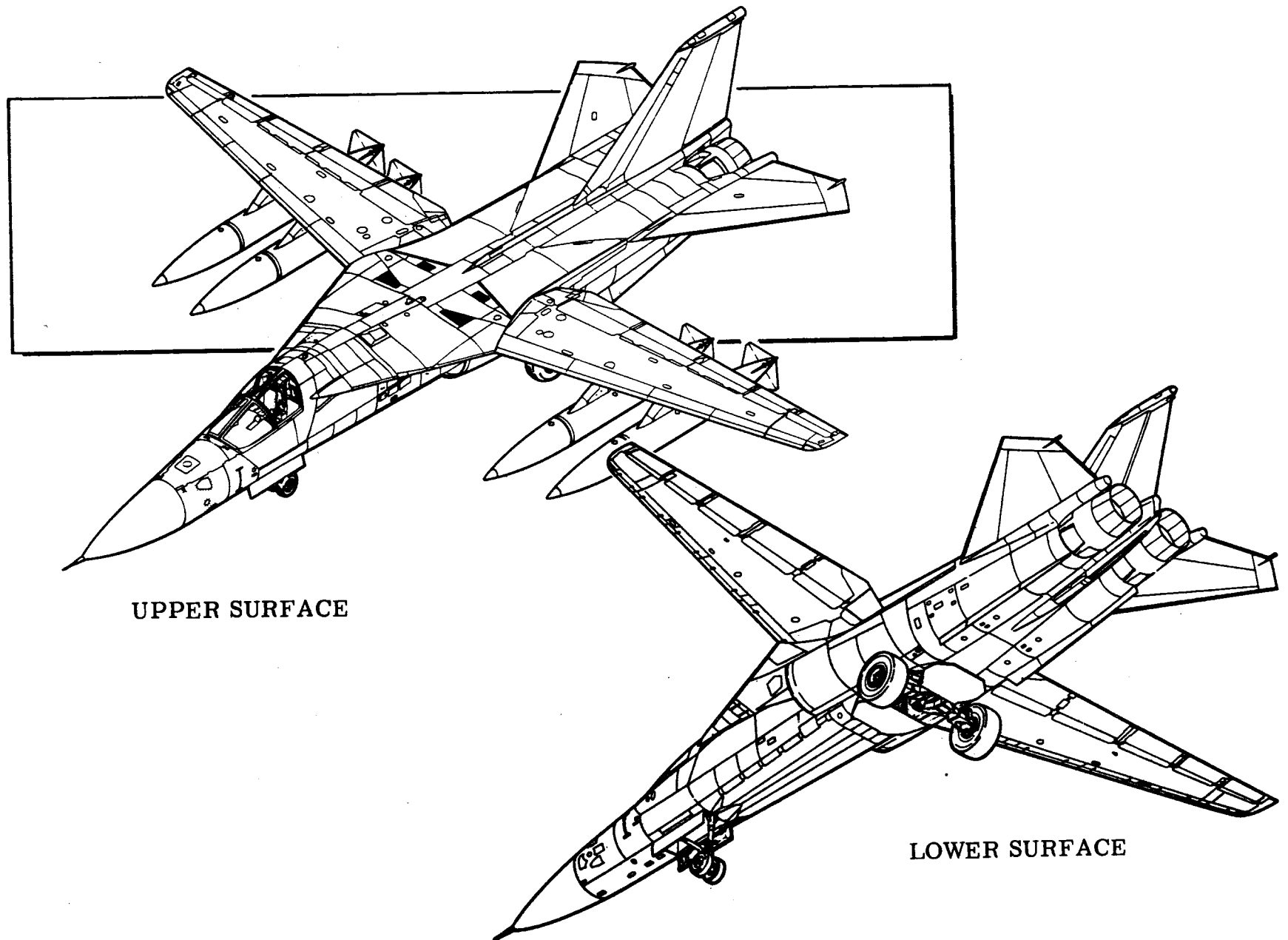


Figure 4-2 FB-111 UPPER/LOWER SURFACE

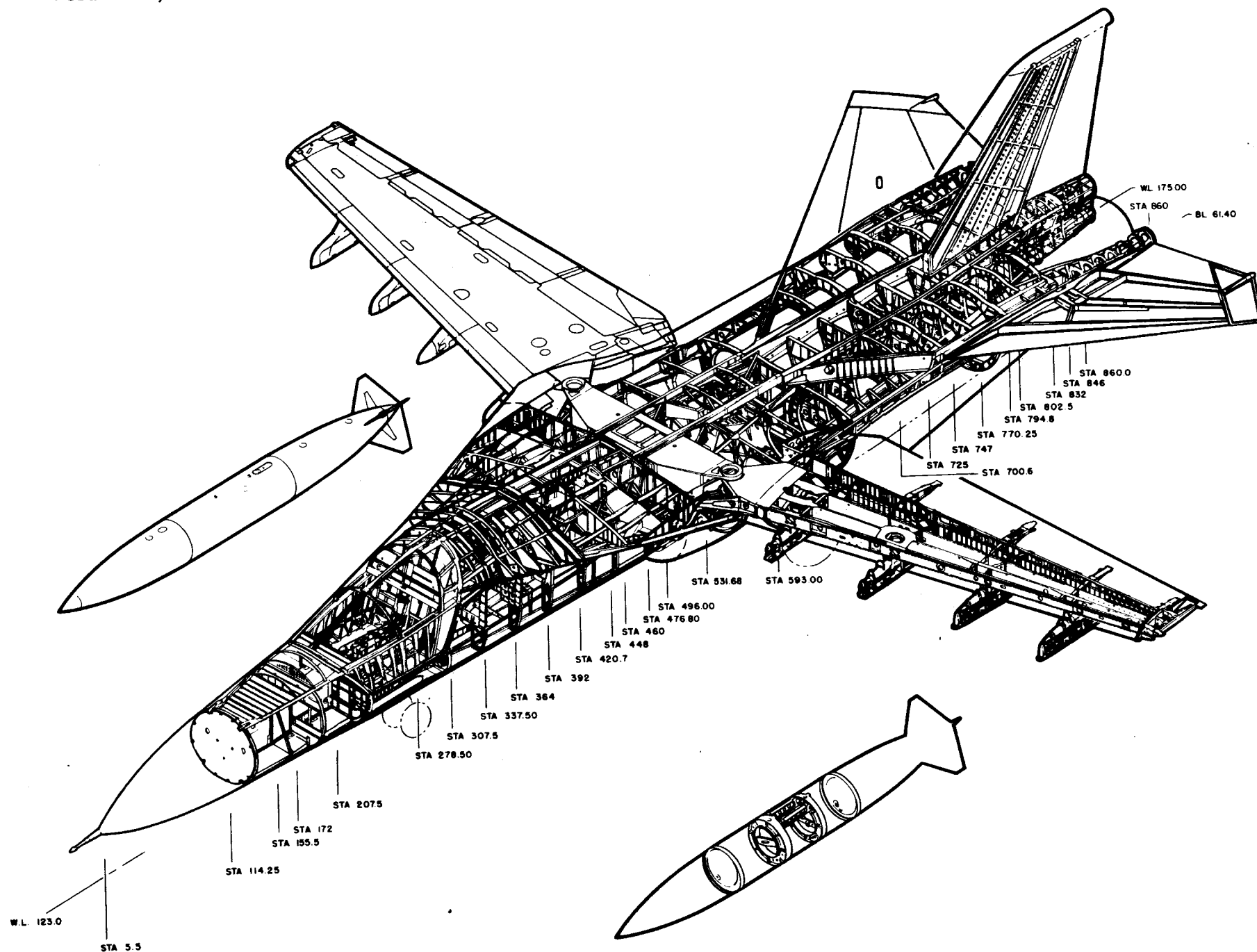


Figure 4-3 F-111A STRUCTURAL ARRANGEMENT
F-111E

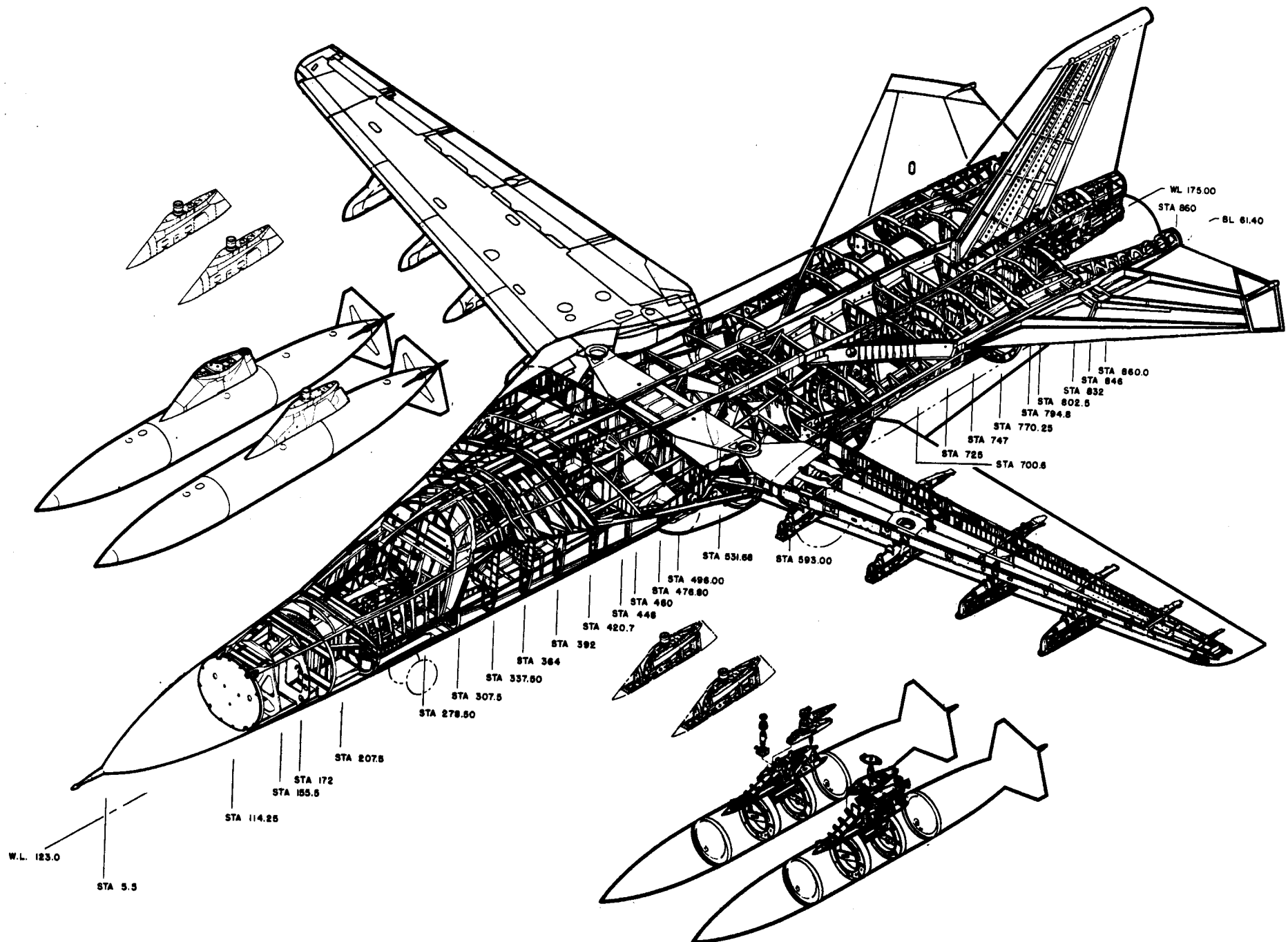


Figure 4-4 FB-111 STRUCTURAL ARRANGEMENT (Bomber 3 and On)

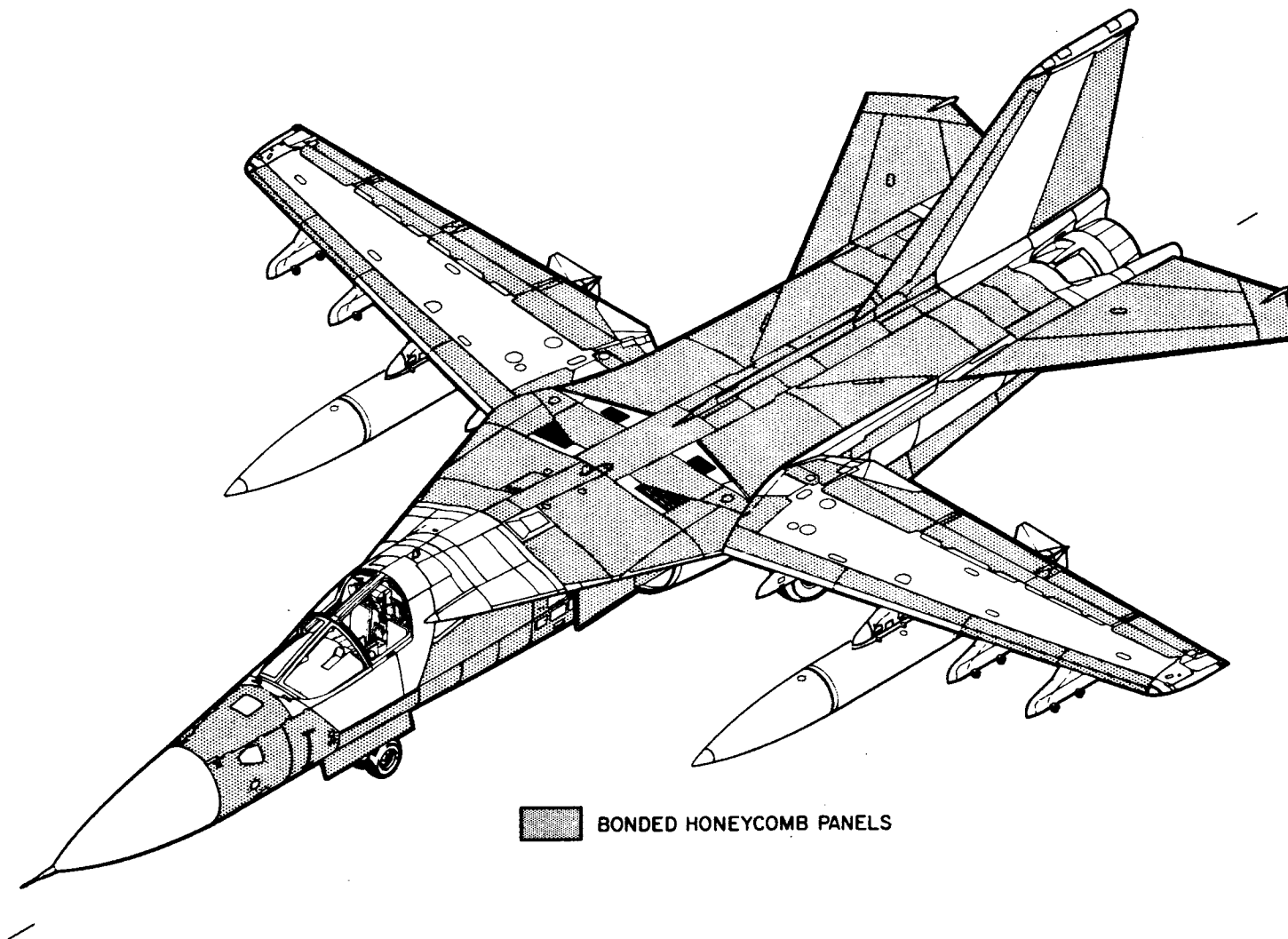
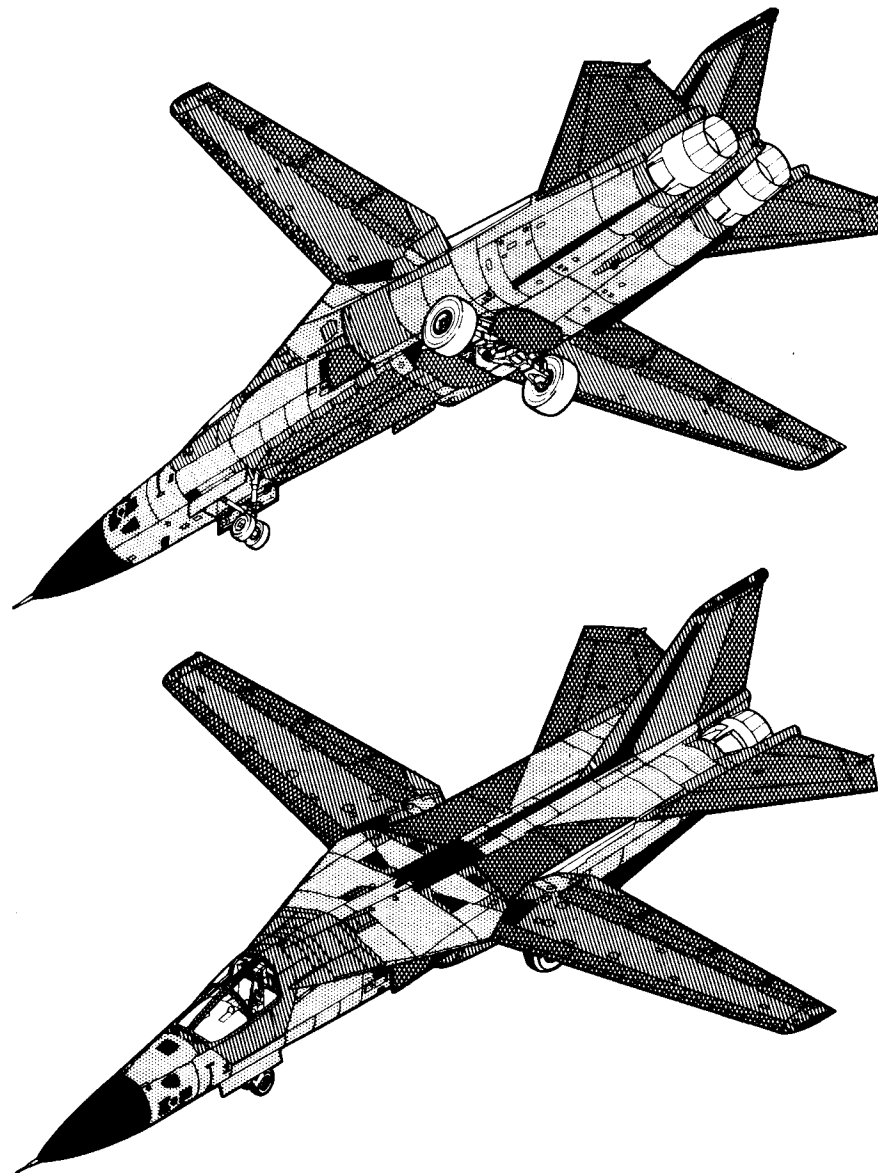
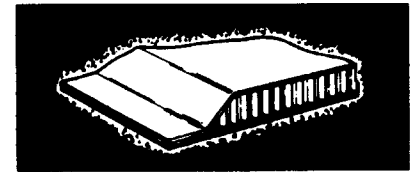


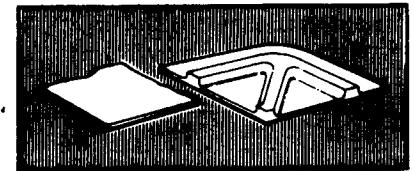
Figure 4-5 F-111A BONDED HONEYCOMB PANELS
F-111E



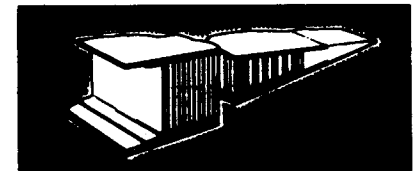
FIBERGLAS



ALUMINUM
PLAIN AND SCULPTURED
SKIN



ALUMINUM
FULL DEPTH
HONEYCOMB CORE



ALUMINUM
BONDED SANDWICH

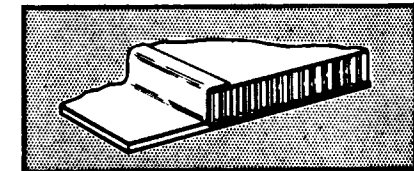
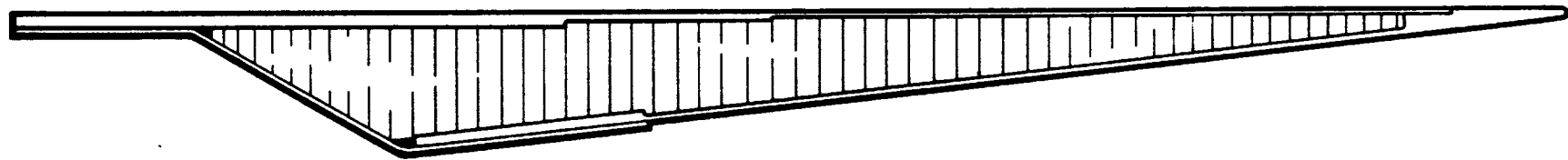


Figure 4-6

PANEL STRUCTURAL APPLICATION



TYPICAL FULL DEPTH CORE BONDED PANEL



TYPICAL CONSTANT CORE BONDED PANEL

Figure 4-7 TYPICAL CROSS SECTIONS - BONDED PANELS

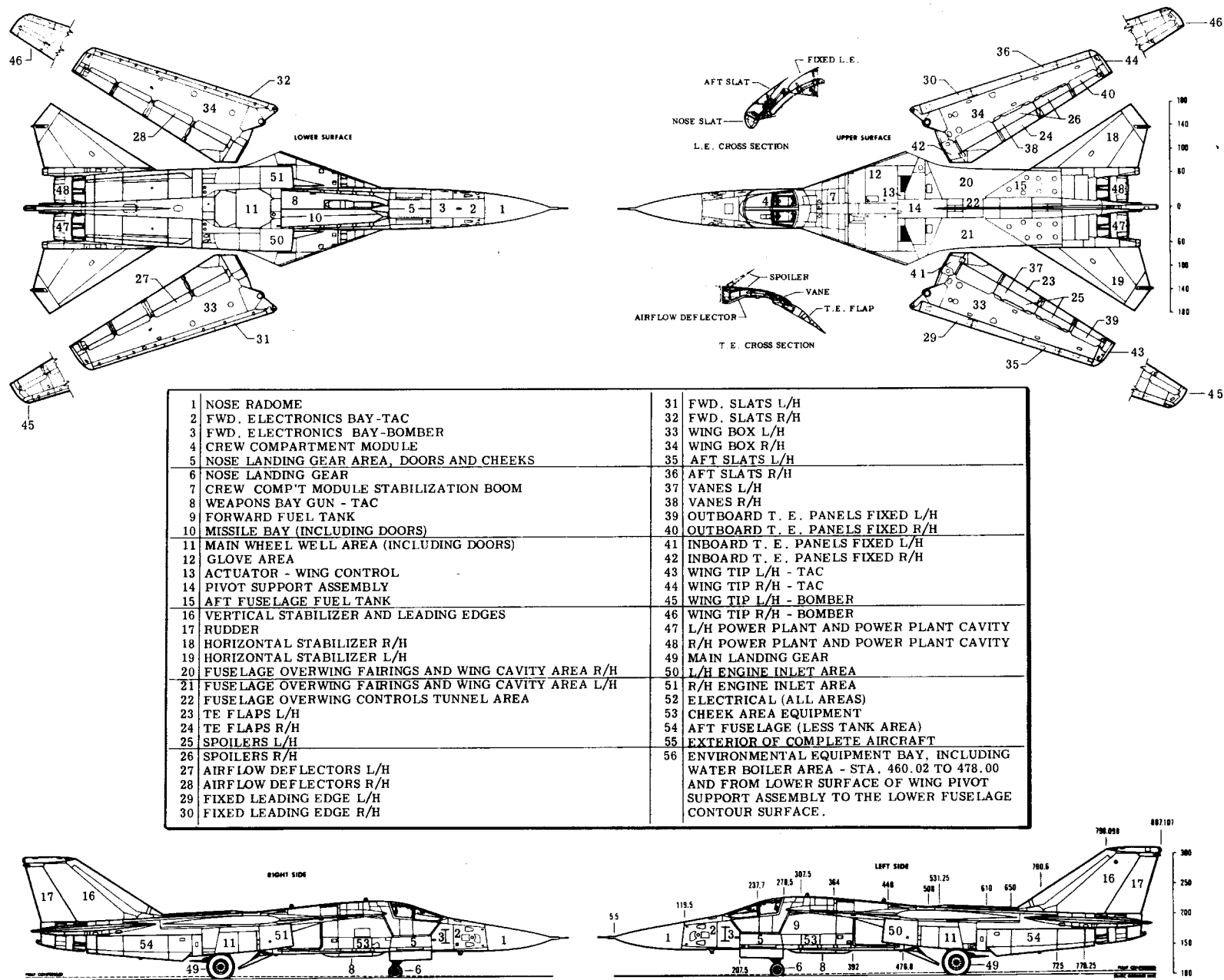


Figure 4-8 STATION AND AREA

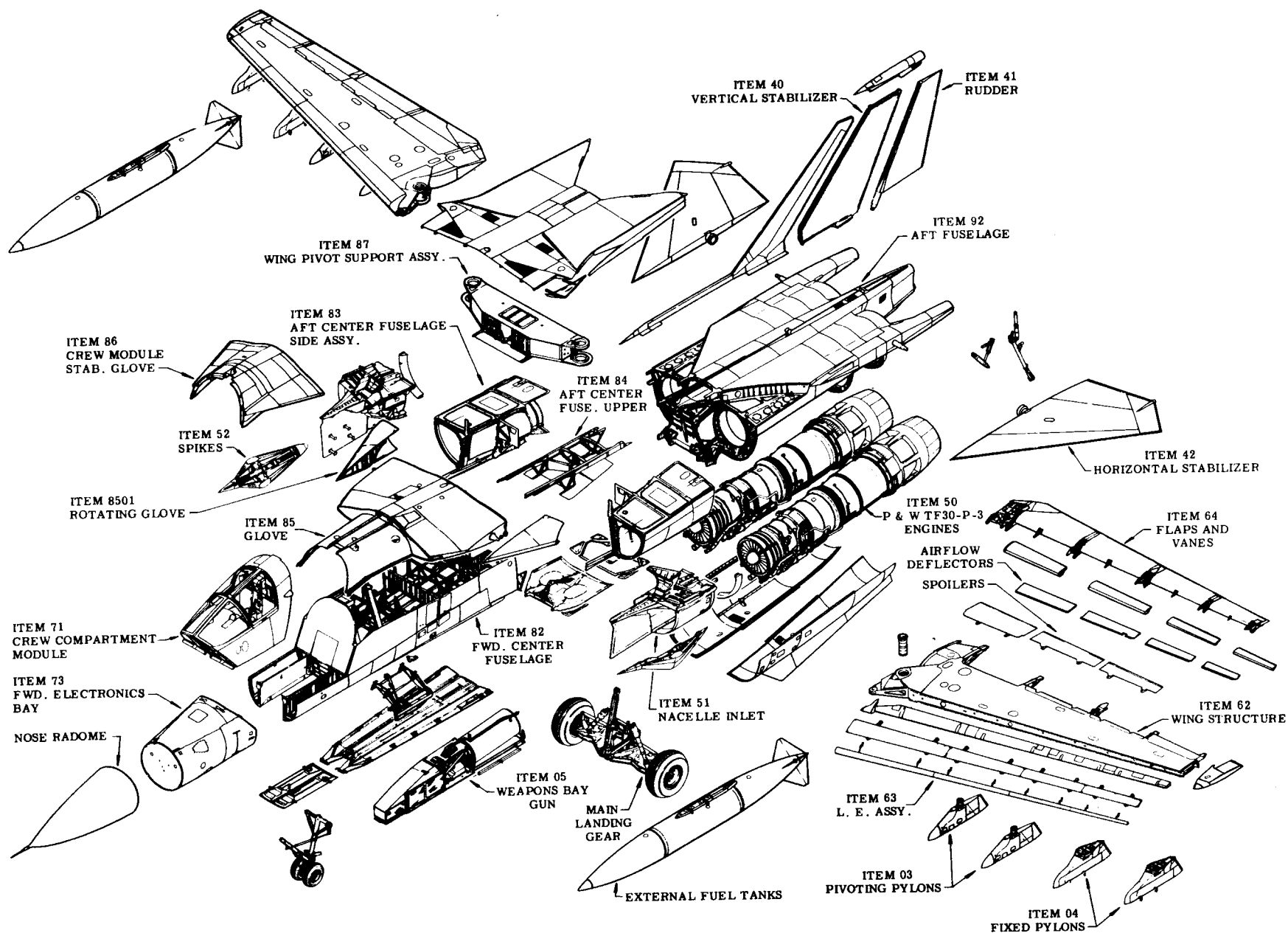


Figure 4-9 F-111A PRODUCTION BREAKDOWN
F-111E

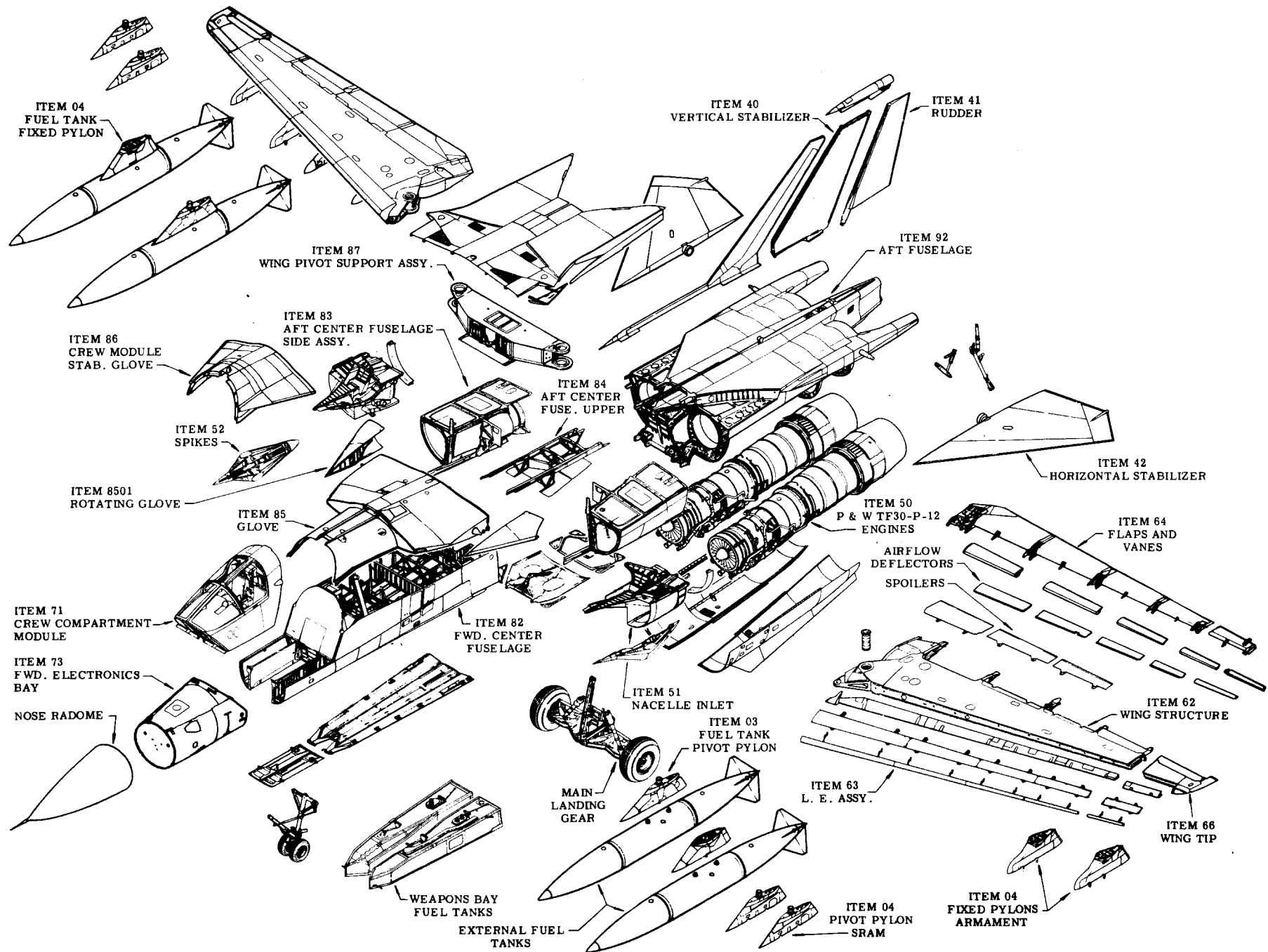


Figure 4-10 FB-111 PRODUCTION BREAKDOWN (Bomber 3 and On)

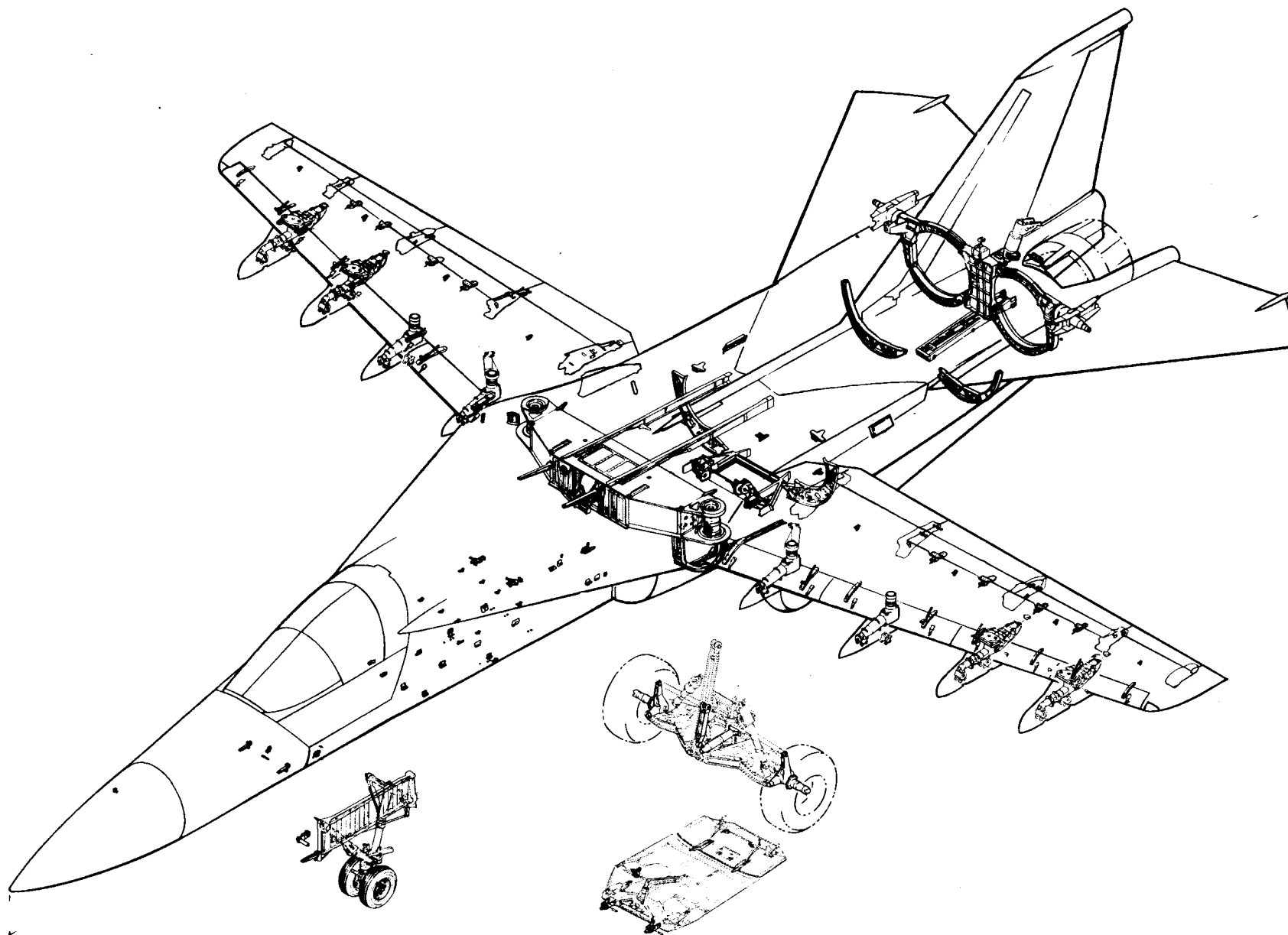


Figure 4-11 STEEL MACHINED PARTS

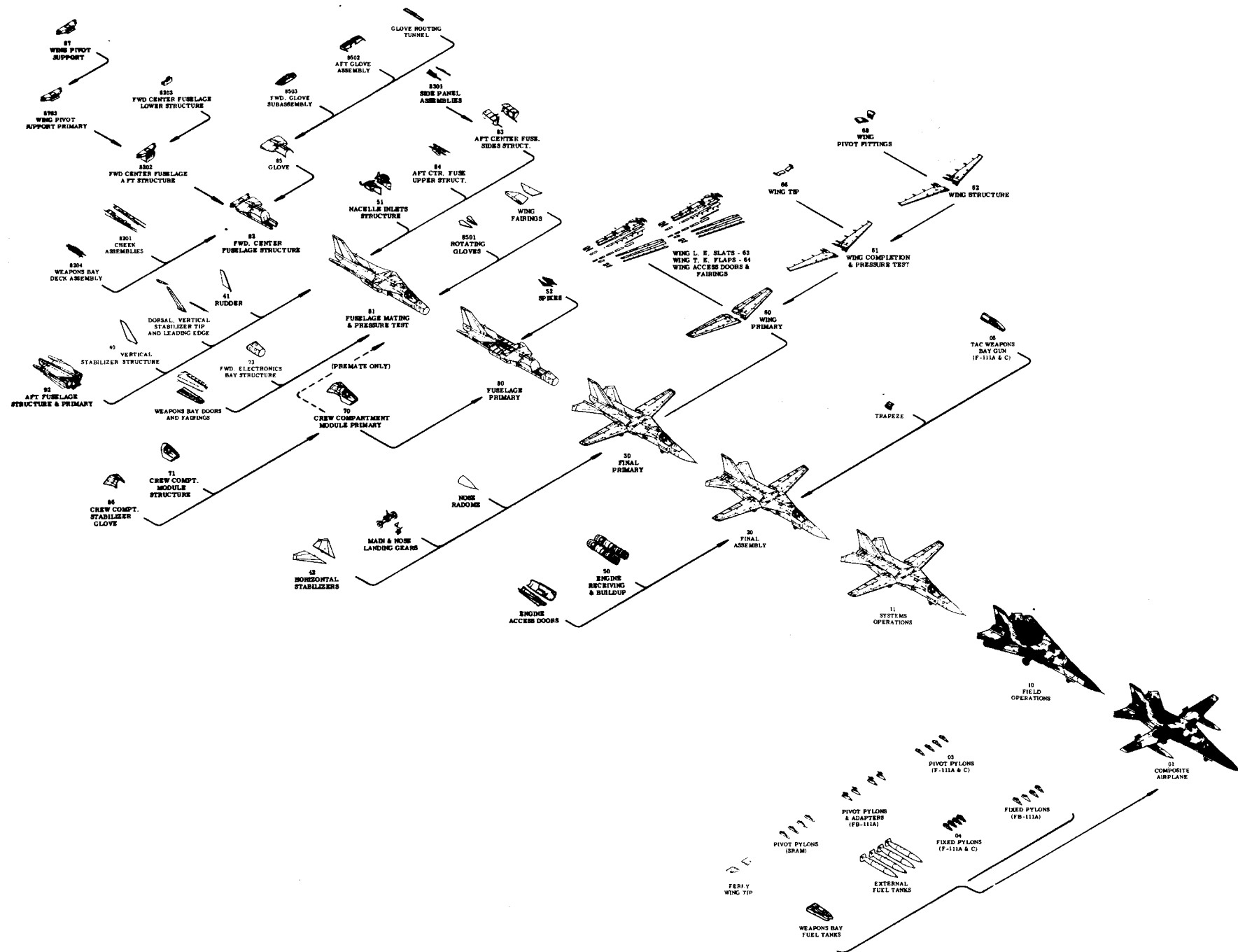
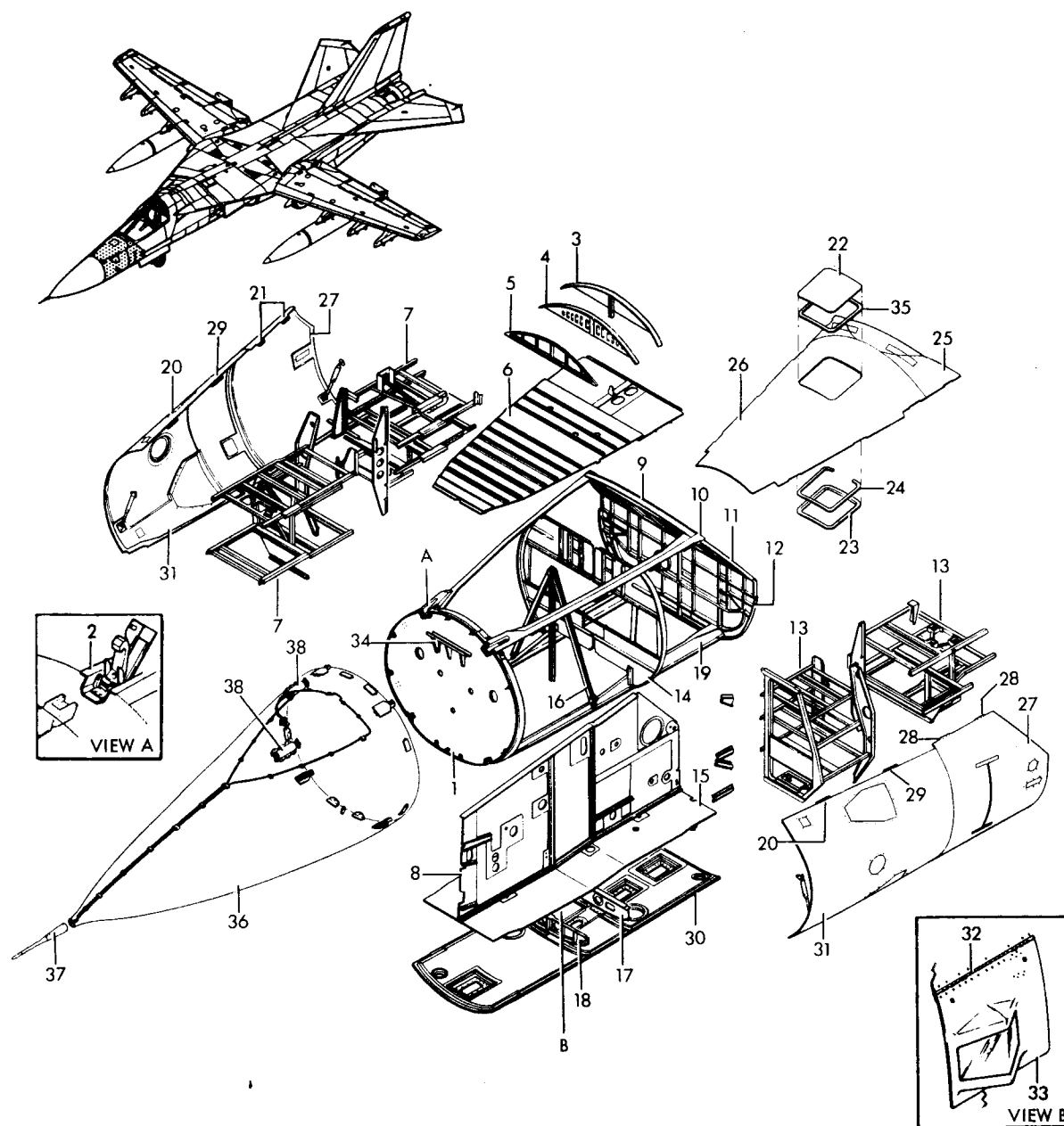
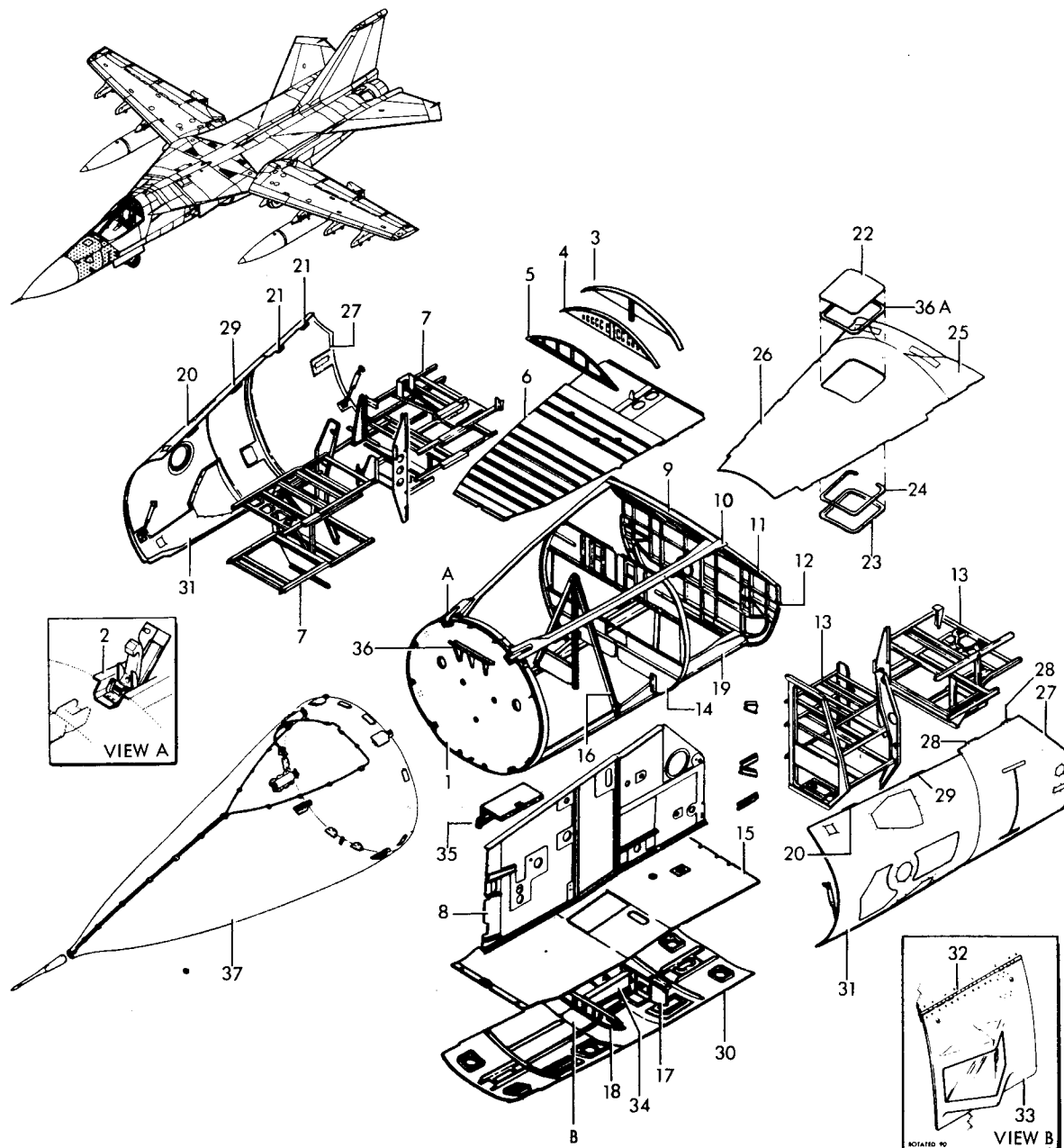


Figure 4-12 MANUFACTURING SEQUENCE



	12B11008	Equipment Bay Assy. of		
1.	12B2011	Bulkhead		
2.	12B7022	Latch Assy.		
3.	12B11240	Upper Frame		
4.	12B11231	Upper Frame		
5.	12B11220	Upper Frame		
6.	12B11335	Floor - Upper (Sta. 119.5-194)		
7.	12E2053	Support Instl.		
8.	12B11410	Beam Assy. of		
9.	12B2057	Frame Upper (Sta. 184.7)		
10.	12B11120	Longeron L/R	3.500 x 6 x 78	7079-T651
11.	12B2550	Mach. Bhd. Contd (Sta. 207.5)		
12.	12B11250	Machined Bulkhead Lower		
13.	12E2052	Left Equipment Bay Support Installation		
14.	12B11230	Bulkhead Assembly Sta. 172		
15.	12B11330	Platform Bulkhead Center Station		
16.	12B11221	Bulkhead		
17.	12B11233	Bulkhead		
18.	12B11222	Bulkhead Assy. of Longeron - L/R	5 x 5 x 93	2024-T851
19.	12B11110	Hinge Half	0.625 x 4 x 5	2024-T8511
20.	12B11513	Hinge Half	K60A124T8511	
21.	12B11522	Radome		
22.	12B5040	Frame	0.040 x 19 x 21	2024-T6
23.	12B3011	Spacer ADF Antenna	0.090 x 15 x 17	2024-T81
24.	12B3012	Upper Skin Sta. 180 Aft	0.080 x 14 x 56	2024-T6
25.	12B11320	Panel (19-36)		
26.	12B11310	Panel (37-On)		
26.	12B11311	Aft Equipment Door - L/R		
27.	12B11521	Hinge Half	K60A125T8511	
28.	12B11522	Hinge Half	K60A146T8511	
29.	12B11513	Radome, Antenna Bay (TAC 31, 32, 34-36)		
30.	12B11531	Radome, Antenna Bay (TAC 33, 37-75)		
30.	12B11532	Skin Assy. (76-159)	.080 x 34 x 51	2024-T81
30.	12B40531	Fwd. Equipment Door - L/R	0.080 x 2 x 6	2024-T81
31.	12B11514	Door Assy. of Hinge (103-159)		
32.	12B40550	Skin (103-159)		
32.	12B40550	Bracket		
34.	12E021	Seal		
35.	12B3013	Nose Radome (Ref.)		
36.	12E2053	Nose Radome Instl. (Ref.)		
36.	12E2010	Probe Instl. (Ref.)		
37.	12H710	Hinge, Radome (Ref.)		
38.	12B7010			

Figure 4-13 F-111A FWD ELECTRONICS BAY AND NOSE RADOME (TAC 31 thru 159)



	12B11008	Equipment Bay		
	12B2011	Assy. of		
1.	12B7022	Bulkhead		
2.	12B11240	Latch Assy.		
3.	12B11231	Upper Frame		
4.	12B11220	Upper Frame		
5.	12B11335	Upper Frame		
6.	12B11335	Floor - Upper		
		(Sta. 119,5-194)		
7.	12E2053	Support Instl.		
		Equipment Bay		
8.	12B11410	Beam Assy. of		
9.	12B2052	Frame Upper		
		(Sta. 184,7)		
10.	12B1120	Longeron L/R	3.500 x 6 x 78	7079-T651
11.	12B2550	Mach. Bhd.		
		Canted (Sta.207,5)		
12.	12B11250	Machined Bulkhead		
		Lower		
13.	12E2052	Left Equipment Bay		
		Support Installation		
14.	12B11230	Bulkhead Assembly		
		Sta. 172		
15.	12B11330	Platform		
16.	12B11221	Bulkhead Center		
		Station		
17.	12B40233	Bulkhead Assy. of		
18.	12B40222	Bulkhead Assy. of		
19.	12B11110	Longeron - L/R	5 x 5 x 93	2024-T851
20.	12B11513	Hinge Half	0.625 x * x 5	2024-T8511
21.	12B11522	Hinge Half	K60A124T8511	
22.	12B5040	Radome		REINF PLASTIC
23.	12B3011	Frame	0.040 x 19 x 21	2024-T6
24.	12B3012	Spacer ADF	0.090 x 15 x 17	2024-T81
		Antenna		
25.	12B11320	Upper Skin	0.080 x 14 x 56	2024-T6
		Sta. 180 Aft		
26.	12B11311	Panel (Bonded		
		Assembly)		
27.	12B11521	Aft Equipment		
		Door - L/R		
28.	12B11522	Hinge Half	K60A125T8511	
29.	12B11513	Hinge Half	K60A146T8511	
30.	12B40531	Lower Skin Assy.	0.080 x 34 x 51	2024-T81
31.	12B11514	Fwd. Equipment		
		Door - L/R		
32.	12B40550	Door Assy. of	0.080 x 2 x 6	2024-T81
32.	12B40550	Hinge		
33.	12B40550	Skin		
34.	12B40225	Frame Assy. of		
35.	12B11425	Housing Instl. -		
		Strike Assy.		
36.	12E021	Bracket		
36A.	12B3013	Seal		
37.	12E2010	Nose Radome (Ref.)		

Figure 4-13A F-111E FWD ELECTRONICS BAY AND NOSE RADOME (TAC 160 and On)

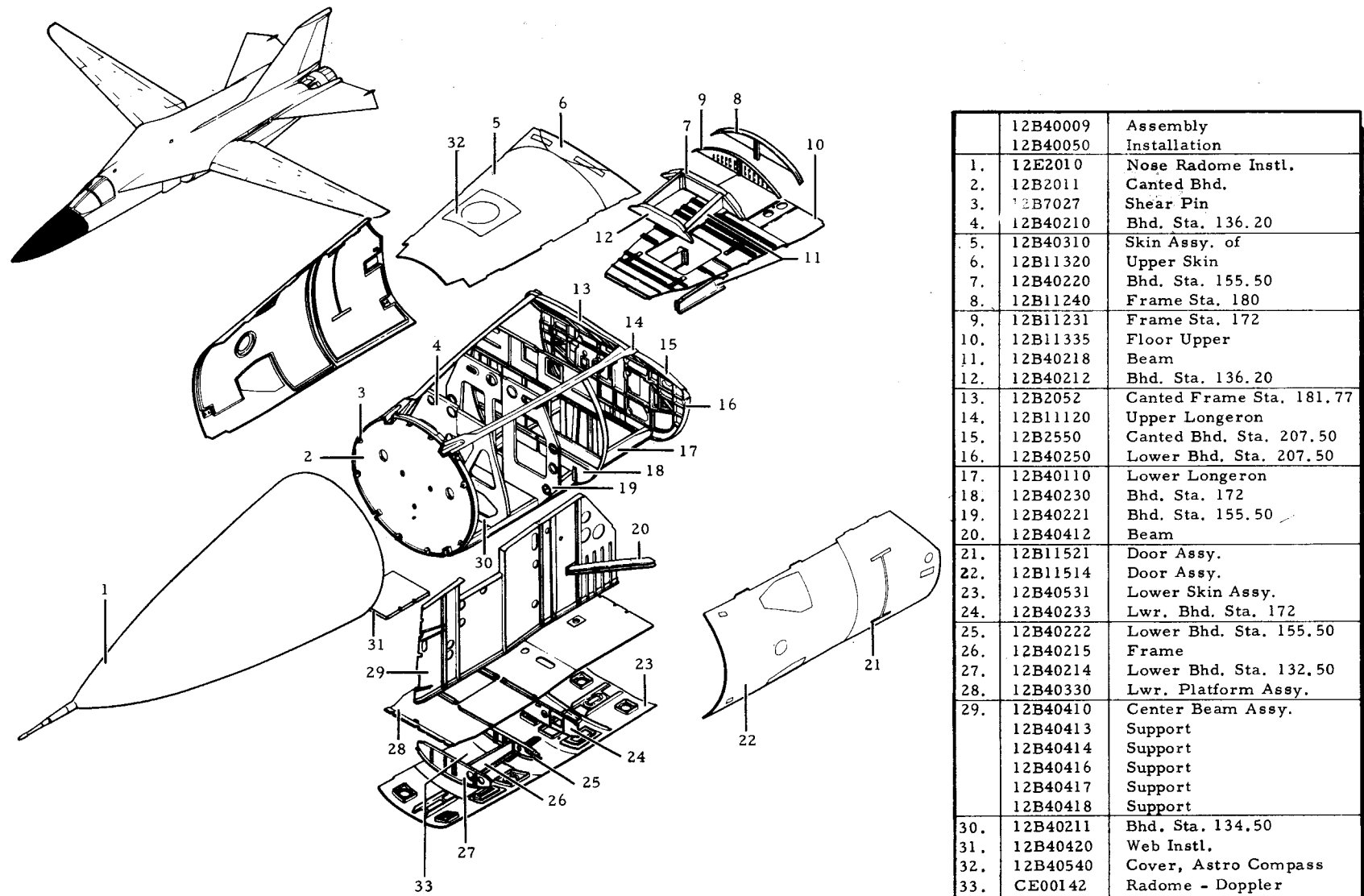


Figure 4-14 FB-111 FORWARD ELECTRONICS BAY STRUCTURE (Bomber 3 and On)

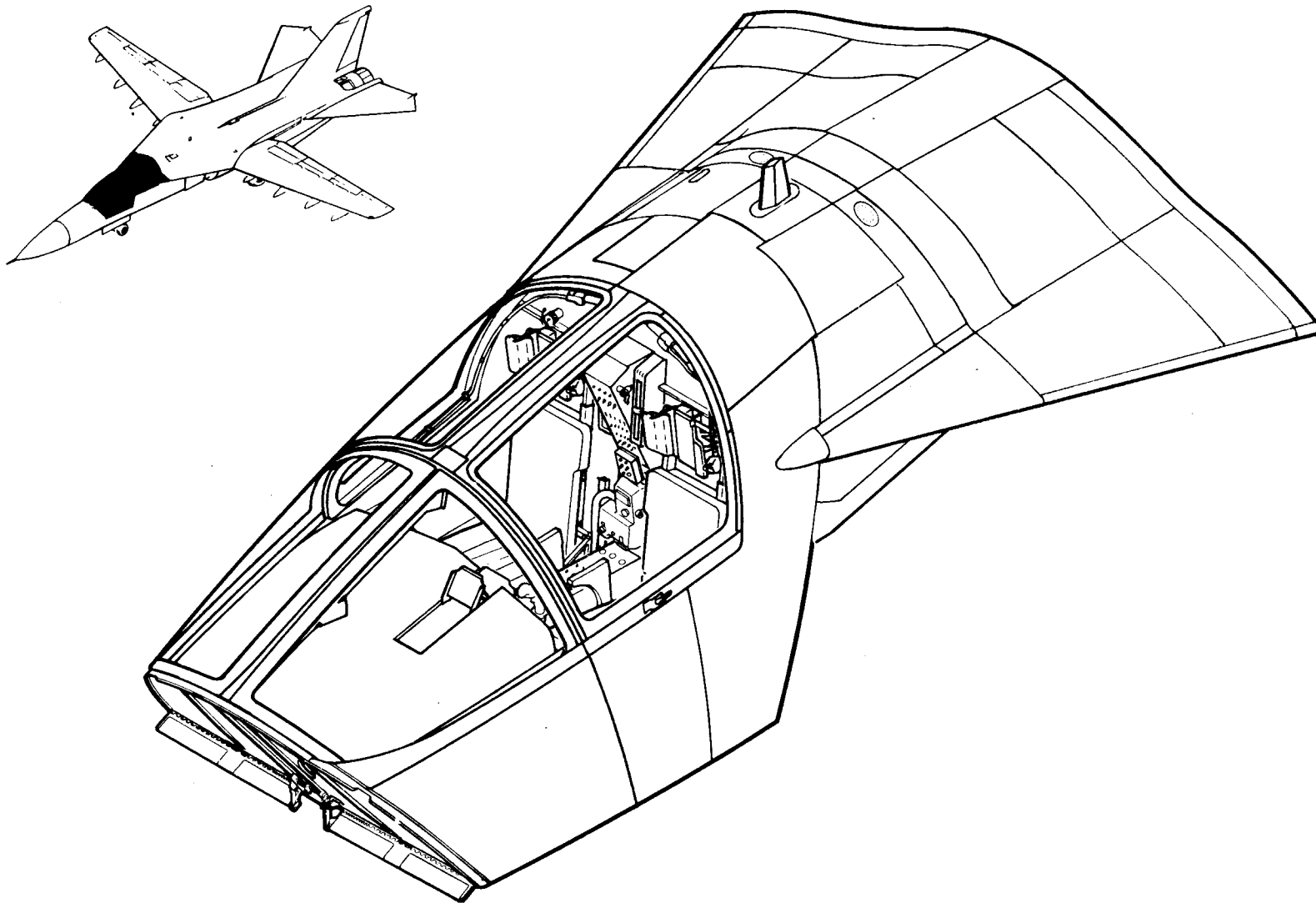


Figure 4-15 CREW MODULE PRIMARY (ITEM 70)

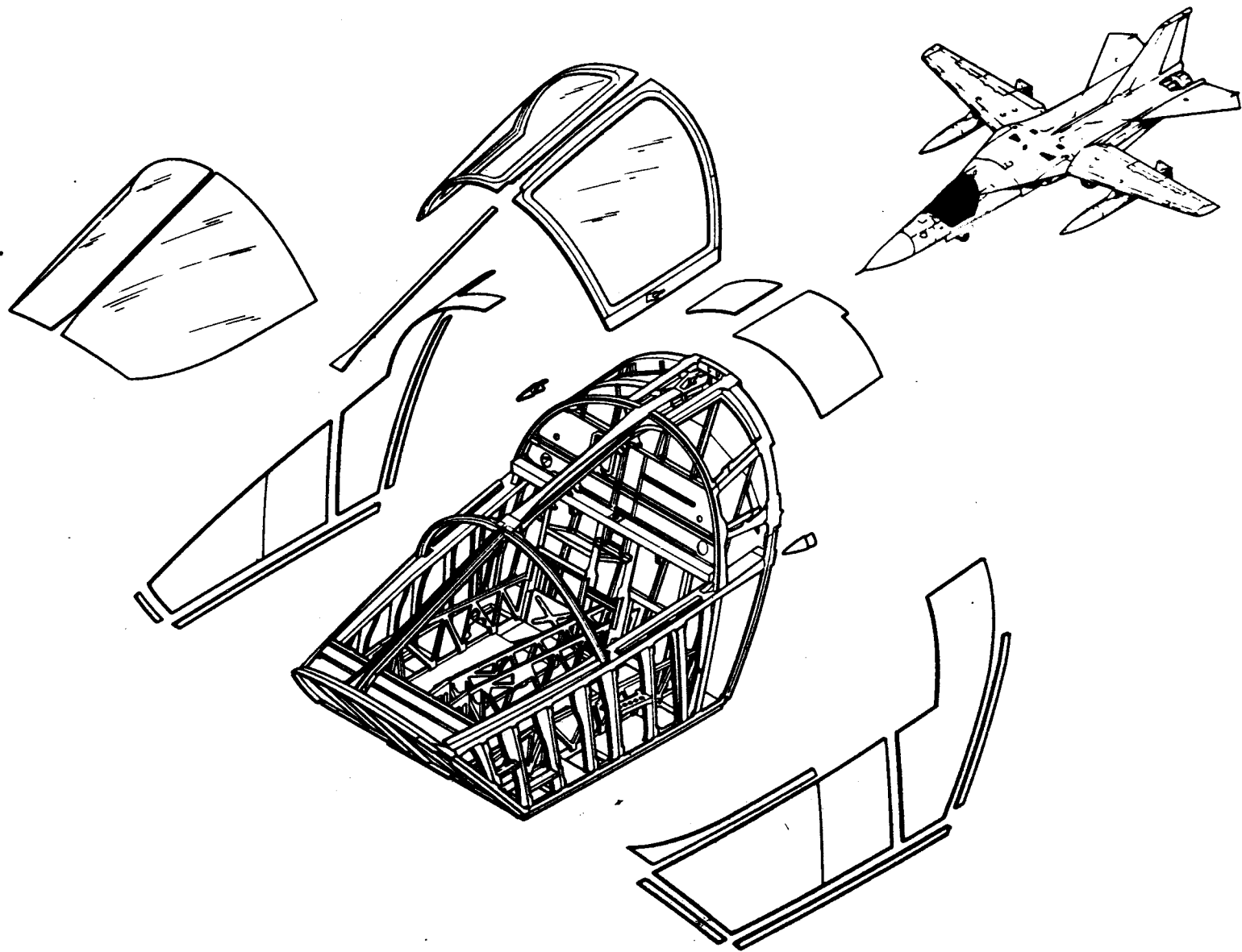


Figure 4-16 CREW COMPONENT MODULE STRUCTURE-12K2050

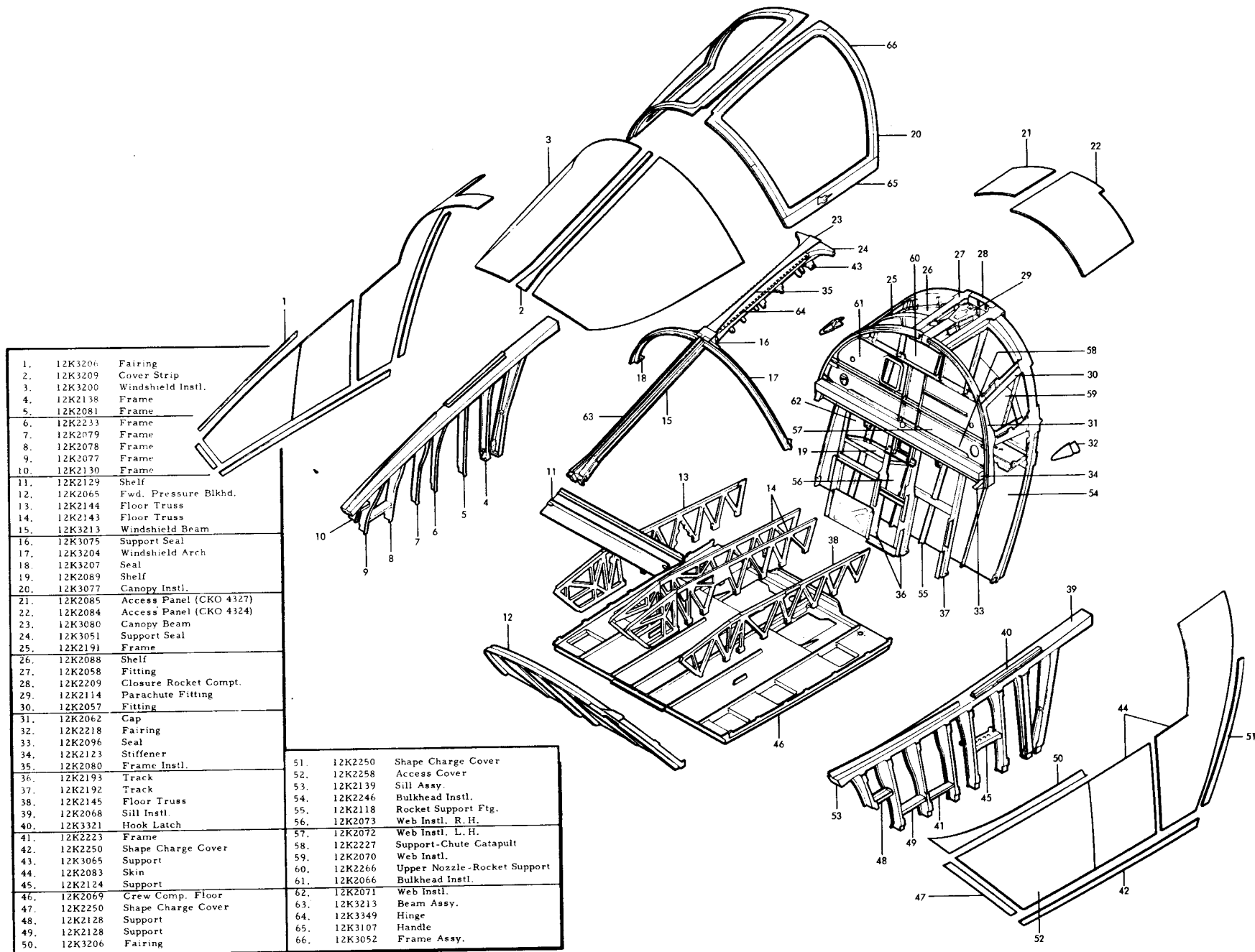


Figure 4-17 CREW COMPARTMENT MODULE STRUCTURE - 12K2050

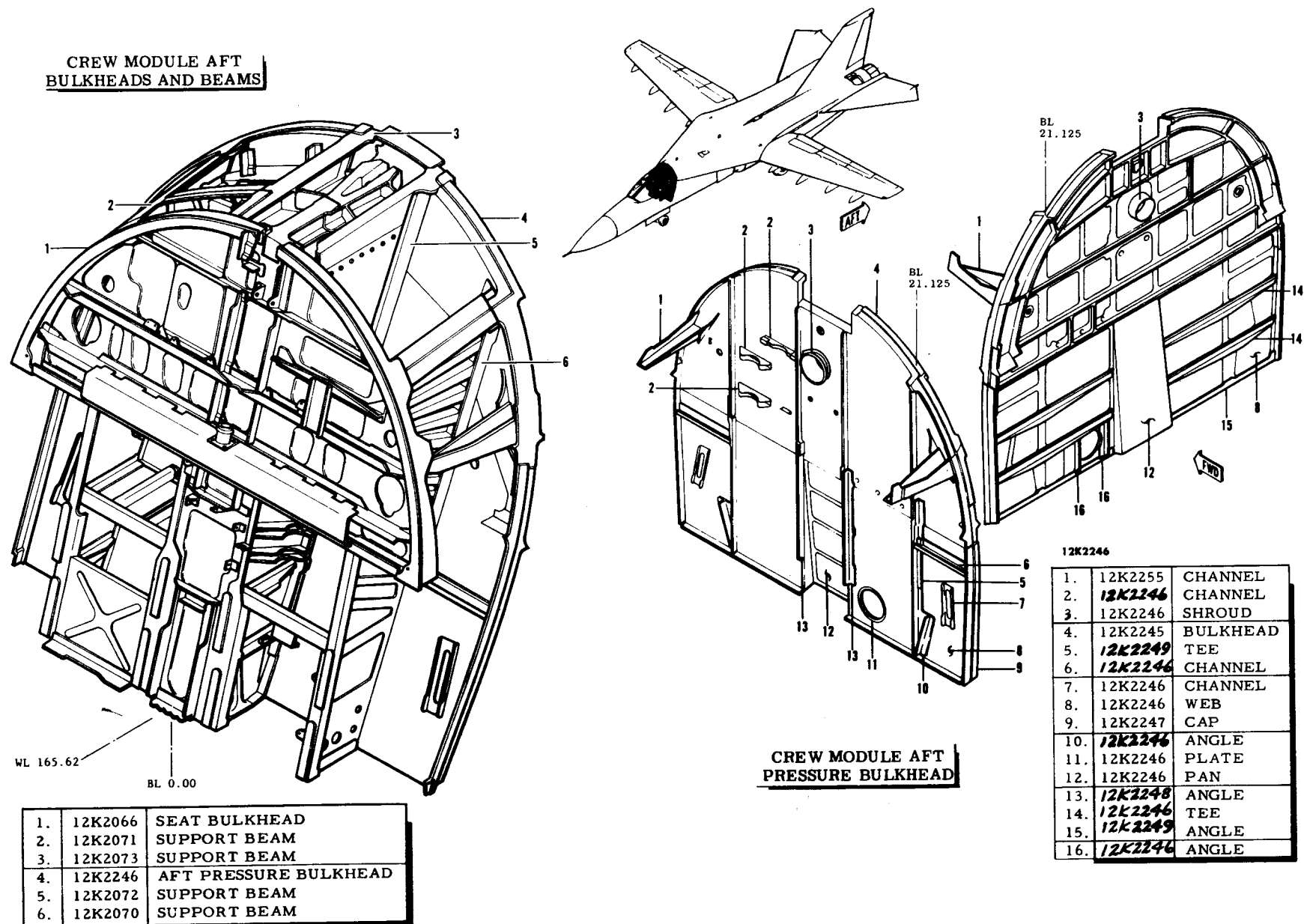
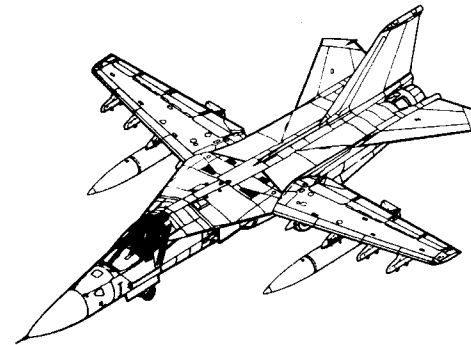
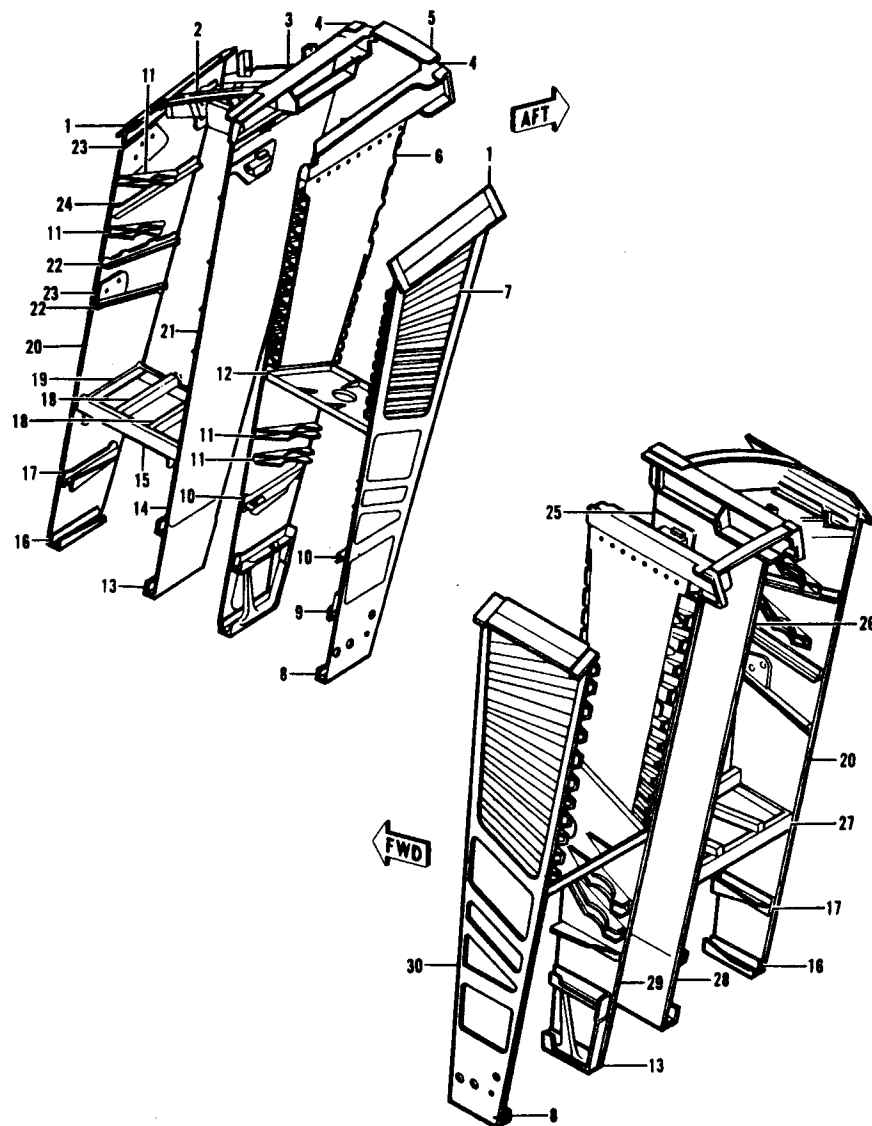


Figure 4-18 CREW MODULE AFT BULKHEAD AND BEAM DETAIL



1	12K2031	ANGLE	3 x 6 x 20	2024-T851
2	12K2191	ZEE (MACHINED)		7075-T352
3	12K2088	ANGLE	0.040 x 8.8 x 19	7075-T6
1 <	4 12K2058	FITTING (MACHINED)	4 x 7 x 27	2024-T851
2 <	4 12K2058	FITTING (MACHINED)		7075-T352
5	12K2089	TEE (MACHINED)	K42A29.62 x 10	
6	12K2113	PLATE	0.020 x 16 x 18	7075-T6
7	12K2070	PLATE	0.020 x 14 x 24	7075-T6
8	12K2070	CHANNEL	0.063 x 6 x 10	7075-T6
9	12K2071	I-BEAM	K31D9T5511	
10	12K2071	SUPPORT	K60D62T6511	
11	12K2071	SUPPORT	K60A63T3511	
12	12K2227	SUPPORT (MACHINED)		7075-T73
13	12K2118	FORGING (MACHINED)		7075-T53
14	12K2073	PLATE	0.100 x 17 x 20	7075-T6
15	12K2089	CHANNEL	0.032 x 3 x 16	7075-T6
16	12K2071	CHANNEL	0.071 x 4 x 8	7075-T6
17	12K2071	I-BEAM	K31D9T6511	
18	12K2089	ANGLE	0.025X*	7075-T6
19	12K2089	TEE	K40D192T6511	
20	12K2071	PLATE	0.050 x 14 x 57	7075-T6
21	12K2073	PLATE	0.100 x 17 x 20	7075-T6
22	12K2071	ANGLE	K10D19T6511	
23	12K2071	PLATE	0.050X*	7075-T6
24	12K2071	ANGLE	K10D29T6	
25	12K4190	CONNECTOR	2 x 5 x 8	6061-T6
26	12K2073	PLATE	0.100 x 17 x 20	7075-T6
27	12K2089	ANGLE	0.032 x 3 x 16	7075-T6
28	12K2073	PLATE	0.058 x 14 x 38	7075-T6
29	12K2072	PLATE	0.050 x 14 x 40	7075-T6
30	12K2070	PLATE	0.050 x 14 x 58	7075-T6
1 < ON AF 65-5701 THRU 67-103				
2 < ON AF 67-104 AND SUBSEQUENT				
* LENGTH OR LENGTH AND WIDTH MAY VARY WITH LOCATION				

Figure 4-19 CREW MODULE BULKHEAD SUPPORT BEAMS

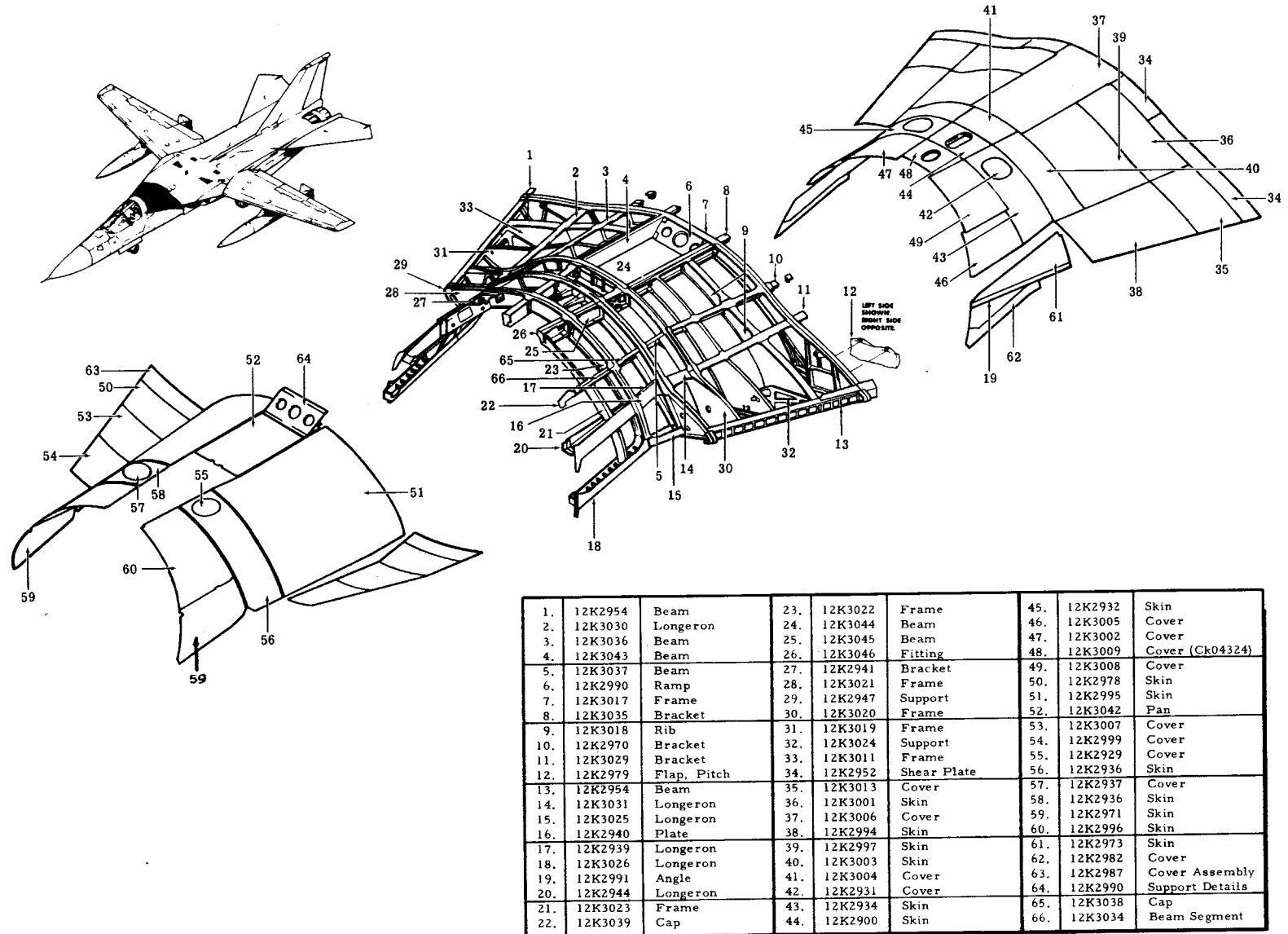
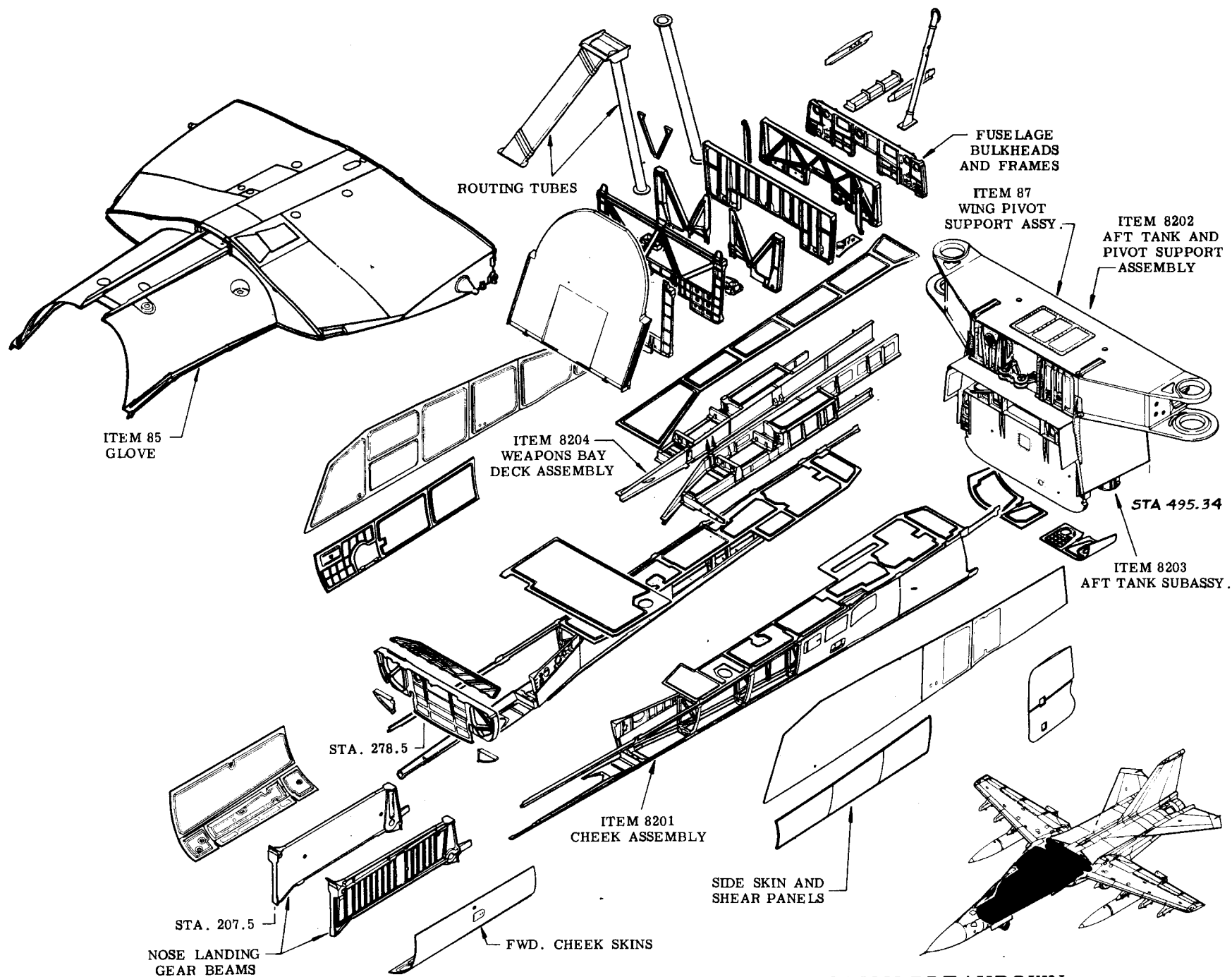
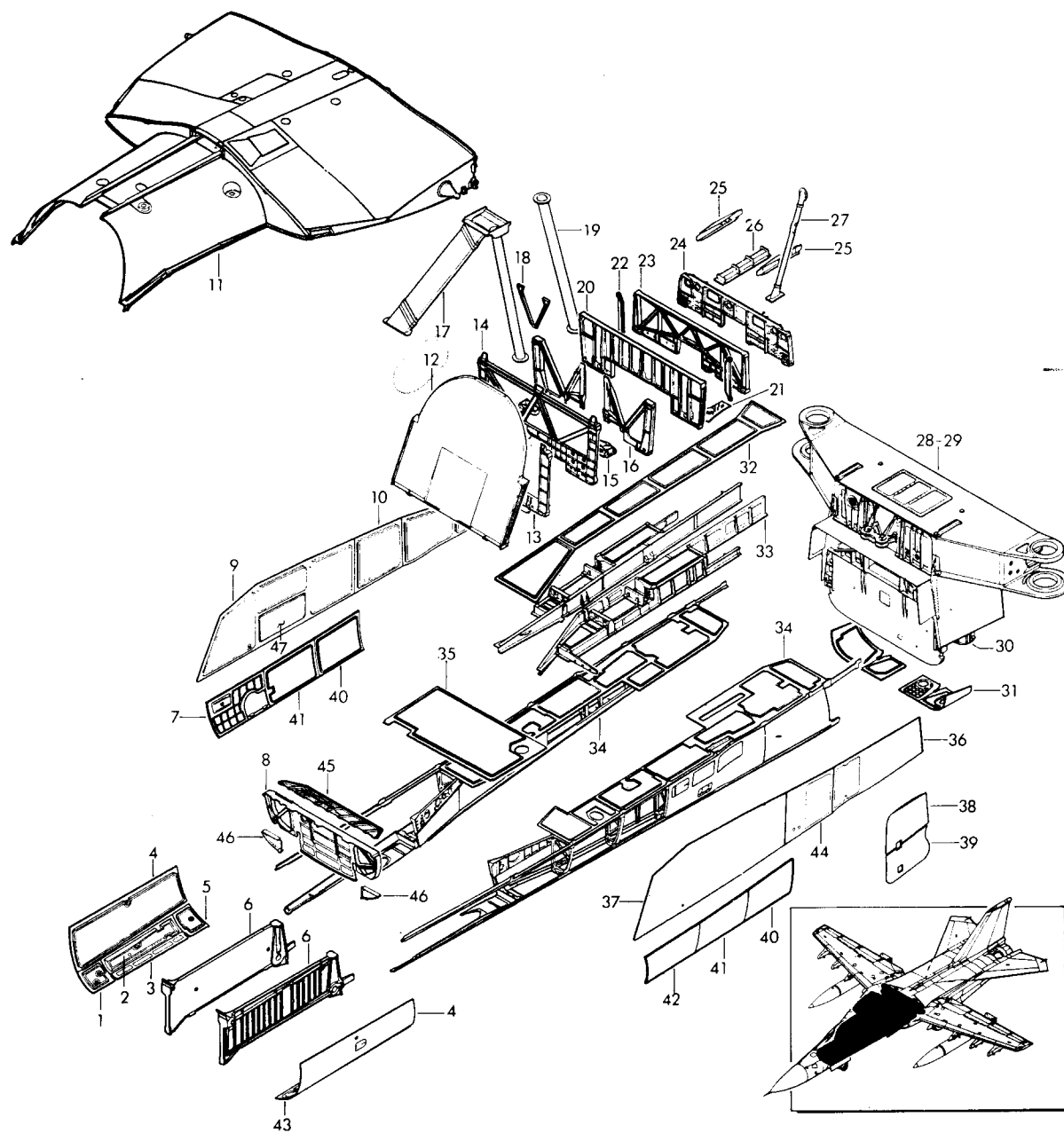


Figure 4-20 STABILIZATION GLOVE BREAKDOWN

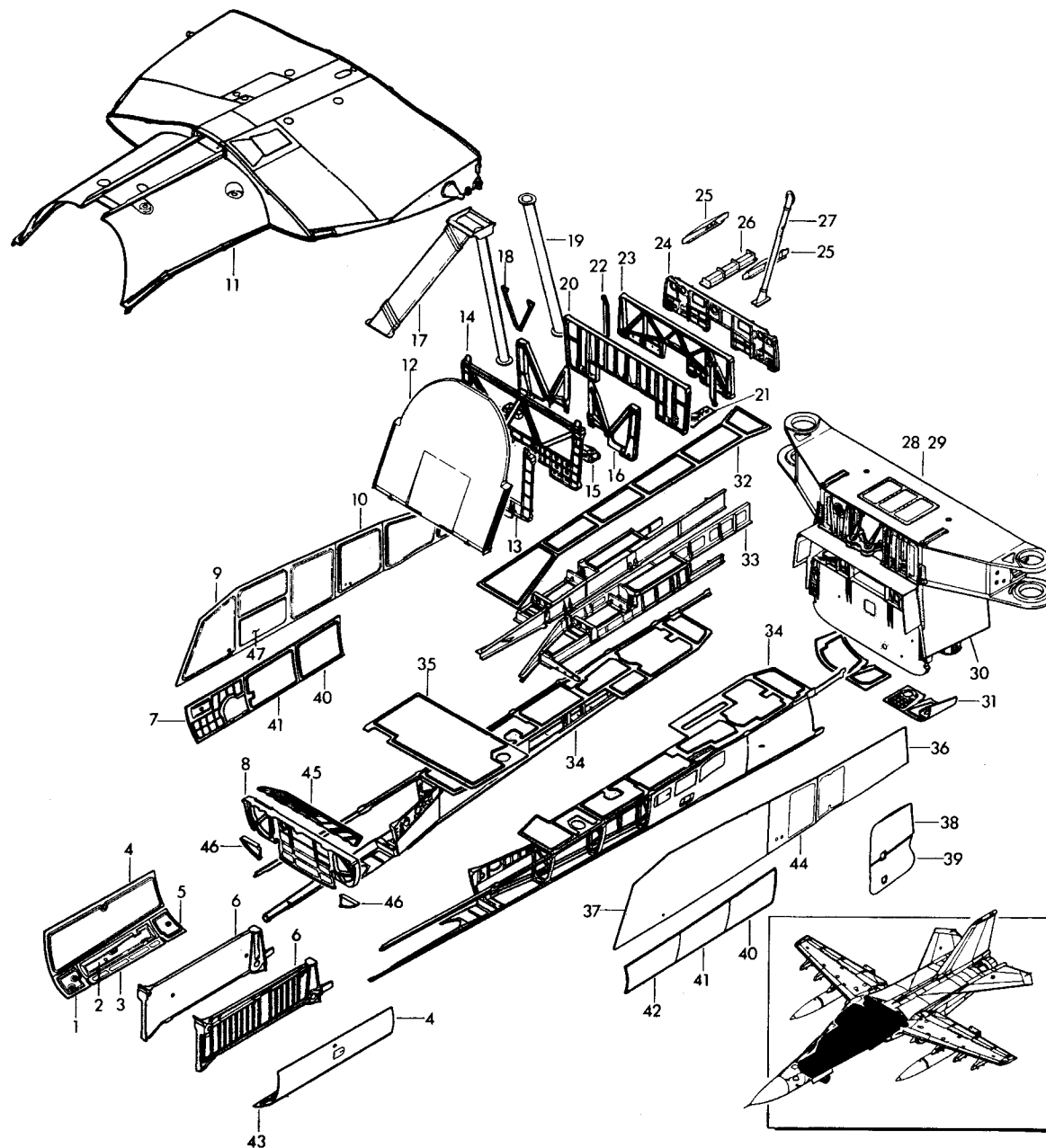




1.	12B020	Fwd. Center Fuselage Item 8200
2.	12B3046	Skin R.H.
3.	12F4101	Cover, Ladder L/R
3.	12B3044	Skin L/R
4.	12B5051	Cover, Sta. 207.35 - 277.39 (TAC 31 - 49)
4.	12B5053	Cover, Sta. 207.35 - 277.39 (TAC 50 - On)
5.	12B3045	Skin L/R
6.	12B4021	Beam, Nose Landing Gear L/R
7.	12B5611	Panel Sta. 278.5 - 307.5
8.	12B2615	Bhd., Lower Sta. 278.5
9.	12B5111	Skin Sta. 278 - 364 L/R
10.	12B8101	Skin L/R
11.	12B090	Glove
12.	12B2101	Fuel Bhd. Canted
13.	12B4191	Beam Sta. 307.5
14.	12B2103	Bulkhead, Sta. 337.5
15.	12B7131	Support, Trapeze Sta. 353.17
16.	12B2104	Frame, Sta. 364
17.	12B8110	Tube Assy.
18.	12B7192	Yoke, Glove Sta. 337.5
19.	12B8121	Tube Routing
20.	12B2650	Fuel Bhd. Sta. 392.3
21.	12P144	Flange, Fuel Floor
22.	12B2157	Splitter Support
23.	12B2660	Fuel Bhd., Sta. 420.7
24.	12B2670	Fuel Bhd. Sta. 448
25.	12B4176	Fuel Floor Beam
26.	12B7160	Housing, Fin Recess
27.	12B8132	Tunnel, Routing
28.	12B7300	Pivot Support
29.	12B073	Pivot Support and Aft Tank
30.	12B073	Aft, Tank Subassembly
31.	12B3681	Skin
32.	12B4135	Deck, Sta. 337.5 - 460.05
33.	12B070	Trapeze Housing Assembly
34.	12B071	Fwd. Center Fuselage Cheek Assy.
35.	12B4110	Floor, Sta. 275 - 307.5
36.	12B3121	Skin, Sta. 392.3 - 448
37.	12B3111	Cover Sta. 278.5 - 364.
38.	12B8151	Fuselage Fill
39.	12B8156	Fuselage Fill
40.	12B5617	Cover Sta. 337.5 - 364. L/R
41.	12B5615	Cover Sta. 307.5 - 337.5 L/R
42.	12B5610	Cover Sta. 278.5 - 307.5
43.	12B3043	Skin L.H.
44.	12B3113	Skin Sta. 364 - 392.3
45.	12B4101	Beam, Stab. Canted Bulkhead
46.	12B2616	Corner Bhd., Lower F.S. 277
47.	12B5126	Cover - Fuel Access, R.H.

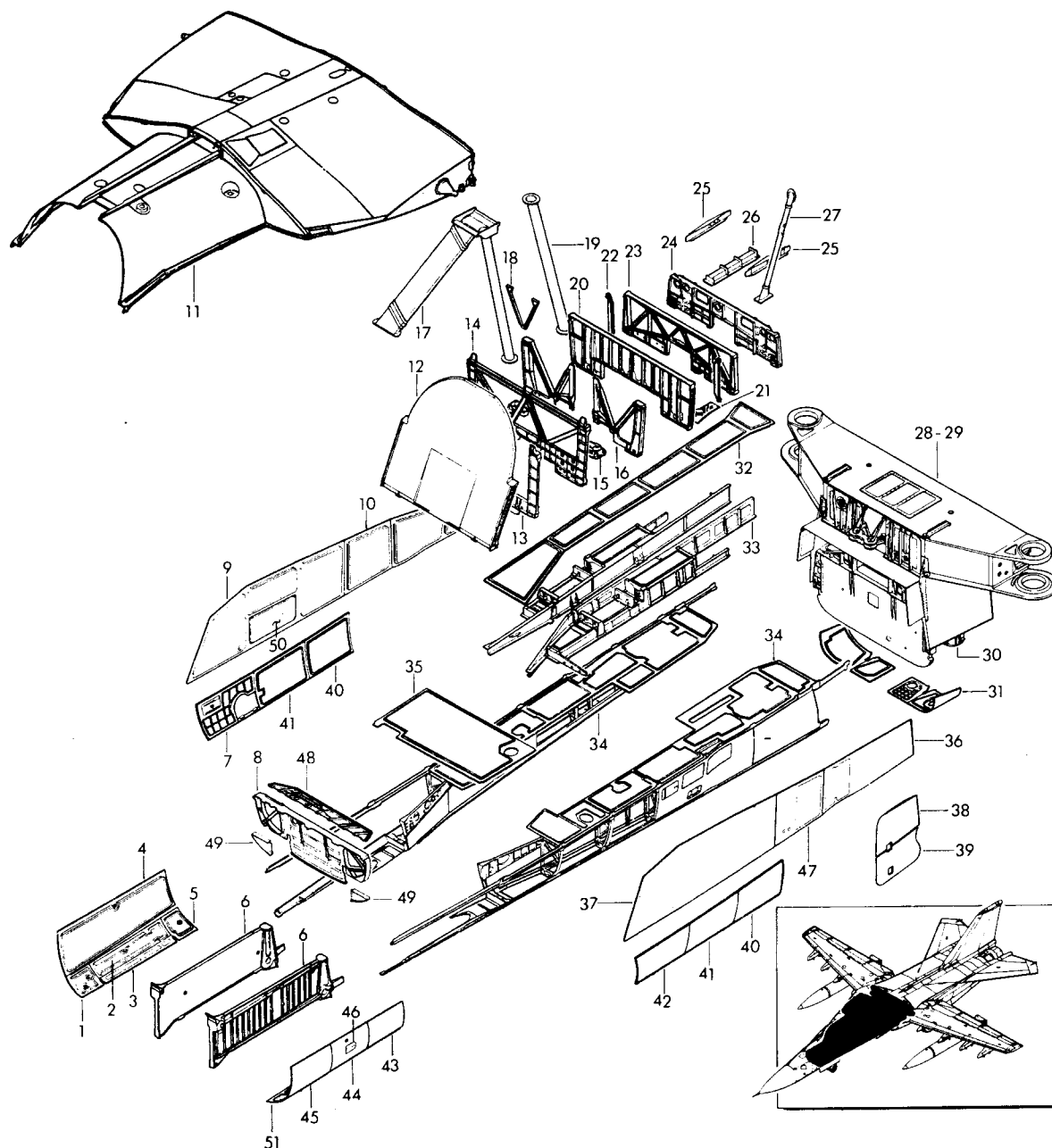
Figure 4-22

FORWARD CENTER FUSELAGE (F-111A; AI 31-159)



1.	12B3046	Skin - R.H.
2.	12F4083	Cover
3.	12B3044	Skin L/R
4.	12B5053	Cover Sta. 207.35 - 377.39
5.	12B3045	Skin L/R
6.	12B4021	Beam, Nose Landing Gear L/R
7.	12B5611	Panel Sta. 278.5 - 307.5
8.	12B2615	Bhd. Lower Sta. 278.5
9.	12B3111	Skin Sta. 278-364 L/R
10.	12B8101	Skin L/R
11.	12B090	Glove
12.	12B2101	Fuel Bulkhead, Canted
13.	12B4191	Beam, Sta. 307.5
14.	12B2103	Bulkhead Sta. 337.5
15.	12B7139	Support, Trapeze Sta. 353.17
16.	12B2104	Frame, Sta. 364
17.	12B8110	Tube Assembly
18.	12B7192	Yoke, Glove Sta. 337.5
19.	12B8121	Tube Routing
20.	12B2650	Fuel Bulkhead Sta. 392.3
21.	12P144	Flange, Fuel Floor
22.	12B2157	Splitter Support
23.	12B2660	Fuel Bulkhead Sta. 420.7
24.	12B2670	Fuel Bulkhead Sta. 448.
25.	12B4176	Fuel Floor Beam
26.	12B7160	Housing, Fin Recess
27.	12B8132	Tunnel, Routing
28.	12B7300	Pivot Support
29.	12B073	Pivot Support And Aft Tank
30.	12B073A	Aft Tank Subassembly
31.	12B3681	Skin
32.	12B4135	Deck Sta. 337.5 - 460.05
33.	12B070	Trapeze Housing Assembly
34.	12B071	Fwd. Center Fuse. Cheek Assy.
35.	12B4110	Floor Sta. 275-307.5
36.	12B3121	Skin Sta. 392.3-448
37.	12B5610	Cover Sta. 278.5 - 307.5
38.	12B8151	Fuselage Fill (A1 239-On)
38.	12B8051	Fuselage Fill (A1 160-238)
39.	12B8156	Fuselage Fill (A1 239-On)
39.	12B8056	Fuselage Fill (A1 160-238)
40.	12B5617	Cover Sta. 337.5 - 364 L/R
41.	12B5615	Cover Sta. 307.5 - 337.5 L/R
42.	12B5610	Cover Sta. 278.5 - 307.5
43.	12B3043	Skin, L.H.
44.	12B3113	Skin Sta. 364-392.3
45.	12B4101	Beam, Stab. Canted Bhd.
46.	12B2616	Corner Bhd., Lwr., F.S. 277
47.	12B5126	Cover - Fuel Access, R.H.

Figure 4-22A FORWARD CENTER FUSELAGE (F-111E: A1 160-On)



1.	12B3046	Skin - R.H.
2.	12F4083	Cover, Ladder L/R
3.	12B3044	Skin L/R
4.	12B5053	Cover, Sta. 207.35 - 277.39
5.	12B3045	Skin L/R
6.	12B4021	Beam, Nose Landing Gear L/R
7.	12B5611	Panel Sta. 278.5 - 307.5
8.	12B2615	Bhd Lower Sta. 278.5
9.	12B31111	Skin Sta. 278 - 364 L/R
10.	12B8101	Skin L/R
11.	12B090	Glove
12.	12B2101	Fuel Bhd. Canted
13.	12B4191	Beam, Sta. 307.5
14.	12B2103	Bulkhead Sta. 337.5
15.	12B7139	Support Trapeze Sta. 353.17
16.	12B42104	Frame Sta. 364.
17.	12B8110	Tube Assy.
18.	12B7192	Yoke, Glove Sta. 337.5
19.	12B8121	Tube Routing
20.	12B42650	Fuel Bulkhead Sta. 392.3
21.	12P144	Flange, Fuel Floor
22.	12B2157	Splitter Support
23.	12B2660	Fuel Bulkhead Sta. 420.7
24.	12B2670	Fuel Bulkhead Sta. 448
25.	12B4176	Fuel Floor Beam
26.	12B47160	Housing Fin Recess
27.	12B8132	Tunnel, Routing
28.	12B7300	Pivot Support
29.	12B073	Pivot Support And Aft Tank
30.	12B073A	Aft Tank Subassembly
31.	12B3681	Skin
32.	12B4135	Deck Sta. 337.5 - 460.05
33.	12B40010	Trapeze Housing Assembly
34.	12B071	Fwd. Center Fuse. Cheek Assy.
35.	12B4110	Floor, Sta. 275 - 307.5
36.	12B3121	Skin, Sta. 392.3 - 448
37.	12B5610	Cover, Sta. 278.5 - 307.5
38.	12B8151	Fuselage Fill
39.	12B8156	Fuselage Fill
40.	12B5617	Cover, Sta. 337.5 - 364 L/R
41.	12B5615	Cover Sta. 307.5 - 337.5 L/R
42.	12B5610	Cover Sta. 278.5 - 307.5 L/R
43.	12B5056	Cover - L.H.
44.	12B5055	Cover - L.H.
45.	12B5054	Cover - L.H.
46.	12B5057	Access Door - L.H.
47.	12B3113	Skin - Sta. 364 - 392.3
48.	12B4101	Beam - Stab., Canted Bhd.
49.	12B2616	Corner Bhd., Lwr., F.S. 277
50.	12B5126	Cover - Fuel Access, R.H.
51.	12B3043	Skin, L.H.

Figure 4-23

FORWARD CENTER FUSELAGE (FB-111A; B1: 3-On)

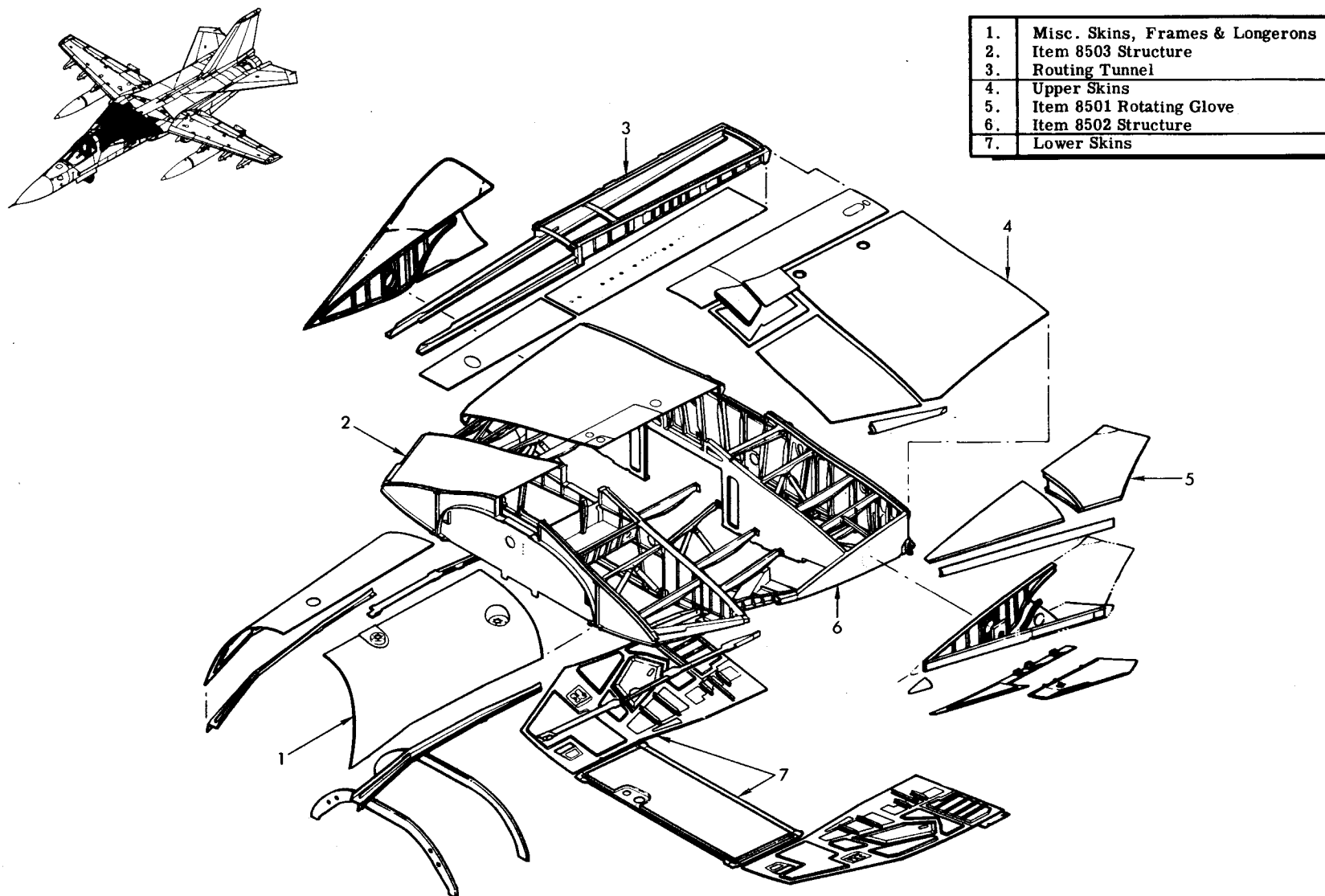
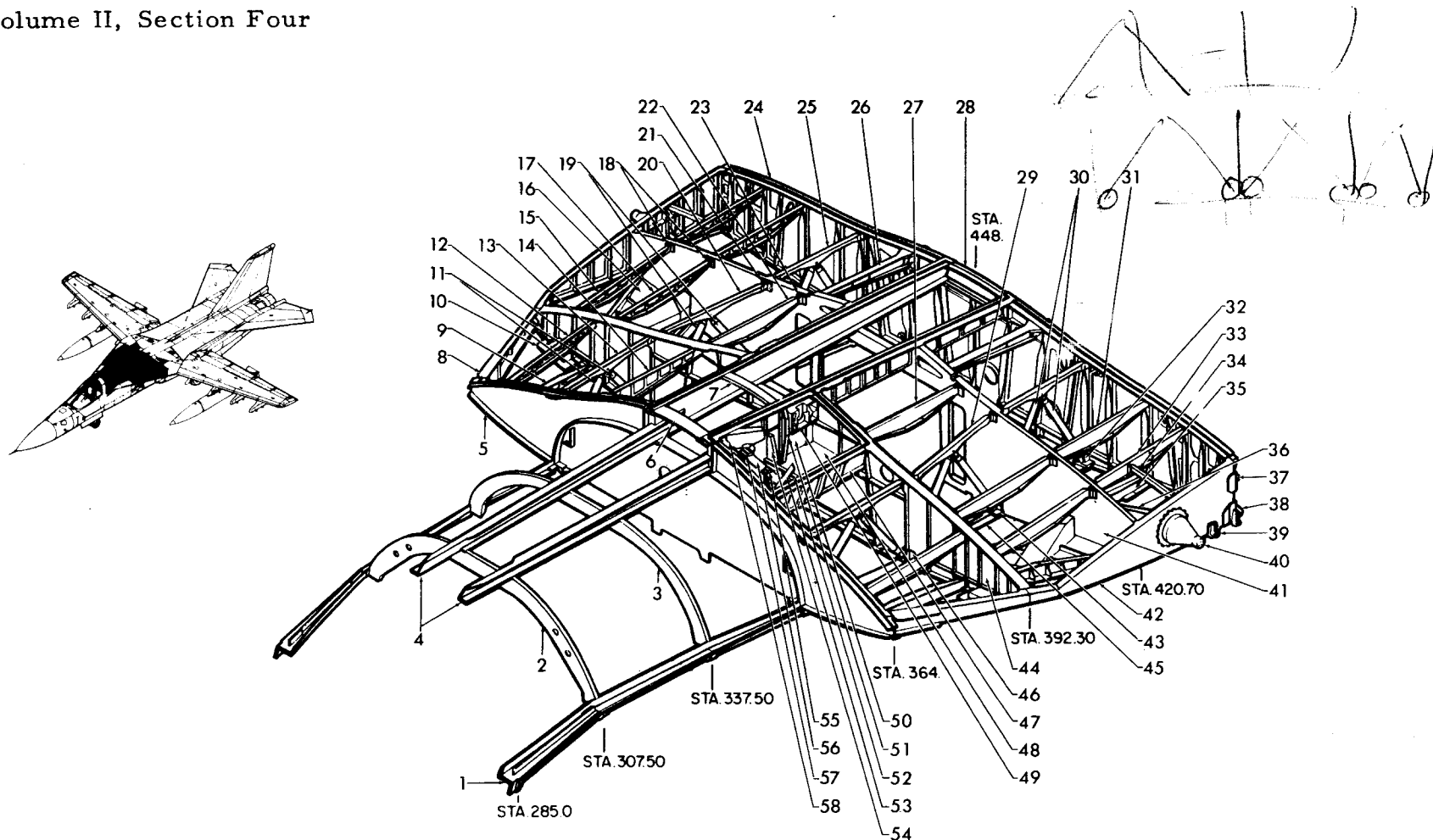
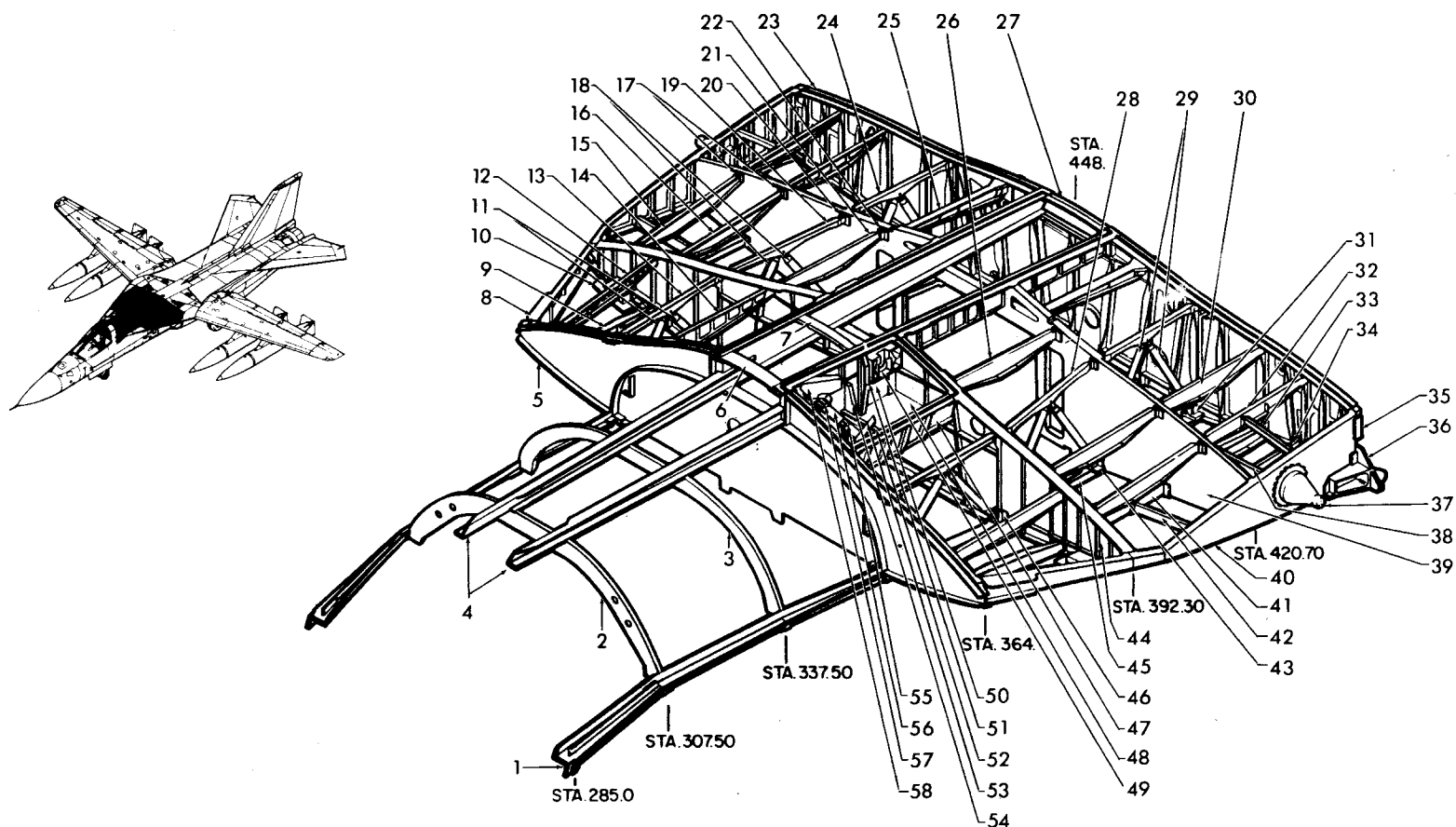


Figure 4-24 GLOVE PRODUCTION BREAKDOWN



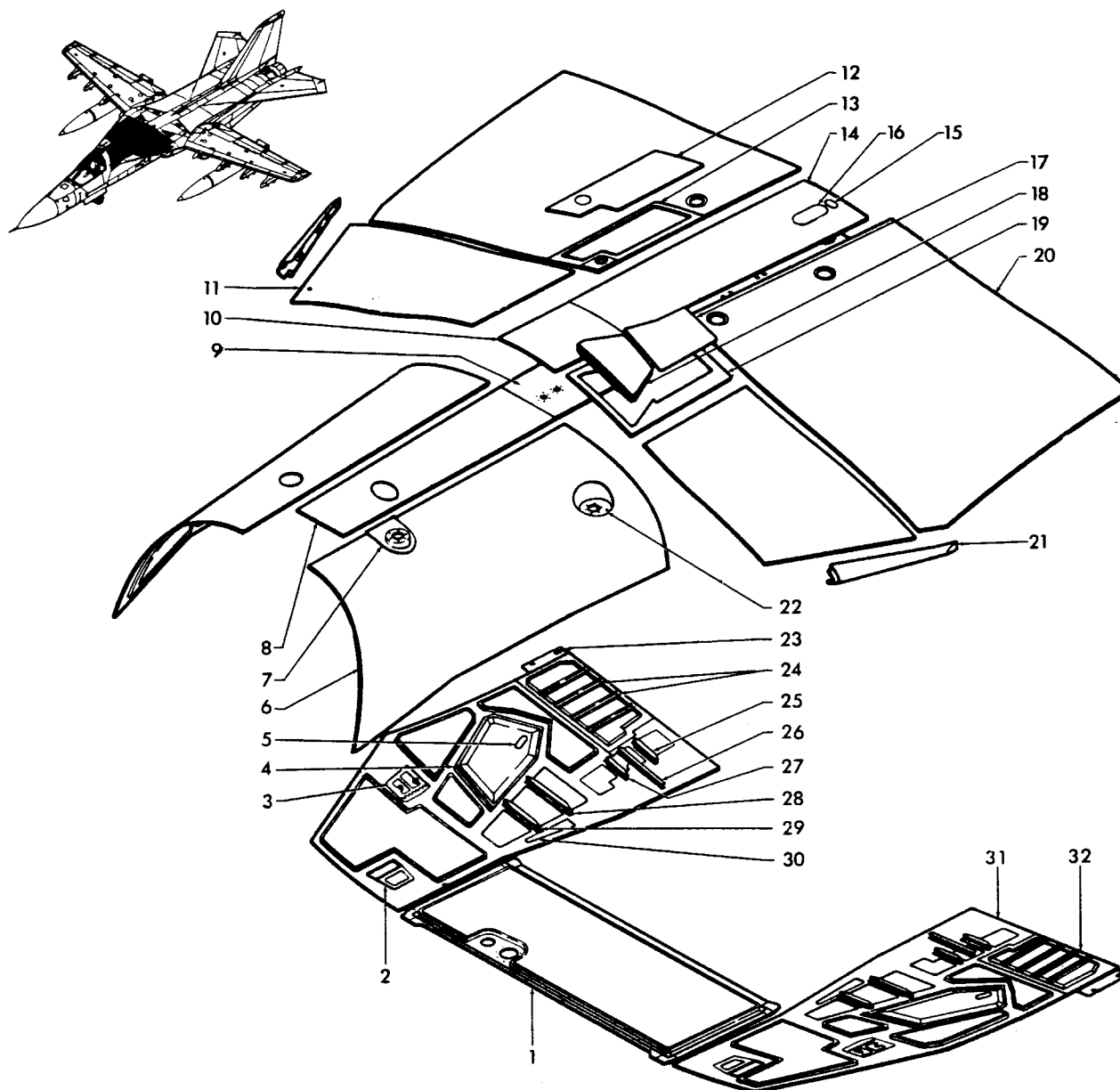
1.	12B1610	Longeron - Boom Shear	19.	12B7721	Truss	37.	12B8270	Bell Crank Support	54.	12B304	Support
2.	12B2710	Bulkhead	20.	12B2794	Beam	38.	12B7740	Bracket Inlet Track	55.	12P136	Stop
3.	12B2702	Bulkhead	21.	12B7271	Clip				56.	12P339	Beam Support
4.	12B1710	Upr. Longeron, Routing Tunnel	22.	12B2747	Access Door Support	39.	12B8250	Bracket Hinge (TAC 31- On)	57.	12P136	Stop
5.	12B2703	Bulkhead	23.	12B7271	Clip	40.	12B7780	Pivot Shaft-High Lift Glove	58.	12P323	Side Fitting
6.	12B2735	Frame	24.	12B2760	Bulkhead	41.	12B2750	Bulkhead	PARTS NOT SHOWN		
7.	12B2745	Frame	25.	12B2795	Beam	42.	12B2770	Bulkhead			
8.	12B1731	Leading Edge Spar	26.	12B1750	Longeron	43.	12B7728	Truss Bracket			
9.	12B2738	Support	27.	12B2742	Support	44.	12B2740	Bulkhead			
10.	12B7710	Jacking Suppt. and Tie Down	28.	12B2761	Access Cover Support	45.	12B1740	Lower Longeron		12B8211	Probe Housing
11.	12B7720	Truss	29.	12B2794	Beam	46.	12B7726	Truss Bracket		12B2257	Stiffener
12.	12B2737	Support	30.	12B7722	Truss	47.	12B320	Refuel Beam		12B8267	Support
13.	12B2793	Beam	31.	12B2752	Support	48.	12B301	Refuel Floor		12B8265	Bracket
14.	12B2736	Support	32.	12B7730	Bracket	49.	12P124	Support		12B2284	Stiffener
15.	12B2744	Support	33.	12B2753	Support	50.	12B345	Refuel Beam		12B2279	Doubler
16.	12B7715	F.O.D. Frame	34.	12B2756	Support	51.	12B309	Support		12B2288	Support
17.	12B2743	Support	35.	12B2258	Support	52.	12B303	Beam		12B8261	Plate
18.	12B7271	Chips	36.	12B2757	Support	53.	12P337	Side Fitting		12B8268	Filler
										12B8275	Support
										12E2783	Support

Figure 4-25 F-111A GLOVE STRUCTURE (TAC 31 thru 159)



1. 12B1610	Longeron-Boom Shear	19. 12B2794	Beam	37. 12B7780	Pivot Shaft-High Lift Glove	55. 12P136	Stop
2. 12B2710	Bulkhead	20. 12B7771	Clip	38. 12B2728	Support	56. 12P339	Beam Support
3. 12B2702	Bulkhead	21. 12B2747	Access Door Support	39. 12B2758	Bulkhead	57. 12P136	Stop
4. 12B1710	Upper Longeron	22. 12B7771	Clip	40. 12B2771	Bulkhead	58. 12P323	Side Fitting
5. 12B2703	Bulkhead	23. 12B2765	Bulkhead	41. 12B2721	Support	PARTS NOT SHOWN	
6. 12B2735	Frame	24. 12B2795	Beam	42. 12B2722	Support		
7. 12B2746	Frame	25. 12B1750	Longeron	43. 12B7728	Truss Bracket	12B2729	Support
8. 12B1731	L.E. Spar	26. 12B2742	Support	44. 12B2740	Bulkhead	12B8213	Housing
9. 12B2738	Support	27. 12B2763	Access Cover Support	45. 12B1740	Lower Longeron	12B8296	Support
10. 12B7713	Jacking Support & Tie Down	28. 12B2794	Beam	46. 12B7726	Truss Bracket		
11. 12B7720	Truss	29. 12B7722	Truss	47. 12B320	Beam-Refuel		
12. 12B2737	Support	30. 12B7752	Support	48. 12B301	Floor-Refuel		
13. 12B2793	Beam	31. 12B7730	Bracket	49. 12P124	Support		
14. 12B2736	Support	32. 12B2753	Support	50. 12B345	Beam-Refuel		
15. 12B2744	Support	33. 12B2756	Support	51. 12B309	Support		
16. 12B2743	Support	34. 12B2727	Support	52. 12B303	Beam		
17. 12B7271	Clip	35. 12B8278	Bell Crank Support	53. 12P337	Side Fitting		
18. 12B7721	Truss	36. 12B7742	Bracket Inlet Track	54. 12B304	Support		

Figure 4-26 F-111E / FB-111A GLOVE STRUCTURE (TAC 160 and On; Bomber 3 and On)



1.	12B4730	Floor - Fuel Tank
2.	12B5740	Cover
3.	12B5730	Jacking & Mooring Door
4.	12B7951	Door-Foreign Object
5.	12B8276	Cover (31-112)
6.	12B3211	Skin
7.	12B7241	Fuel Probe Support
8.	12B4711	Floor Routing Tunnel
9.	12B4710	Floor Routing Tunnel
10.	12B5211	Cover Access
11.	12B3720	Skin
12.	12B5720	Cover Fuel Access
13.	12B7760	Frame Fuel Access Cover
14.	12B5710	Cover - Accesss
15.	12B5215	Cover
16.	12B7203	Cover (1-63)
17.	12P127	Fairing - Refuel
18.	12P328	Door Slipway
19.	12B335	Cover Refuel Well
20.	12B3725	Upper Skin
21.	12B8206	Leading Edge Fairing
22.	12B7242	Fuel Probe Support
23.	12B8201	Lower Surface Skin
24.	12B2284	Stiffener
25.	12B7762	Support
26.	12B2257	Support
27.	12B7761	Support
28.	12B7761	Support
29.	12B8267	Support
30.	12B8268	Filler
31.	12B3770	Lower Surface Skin
32.	12B3271	Skin
PARTS NOT SHOWN		
	12B8259	Fairing
	12B8275	Support

Figure 4-27 F-111A GLOVE PANEL ASSEMBLIES (TAC 31 thru 159)

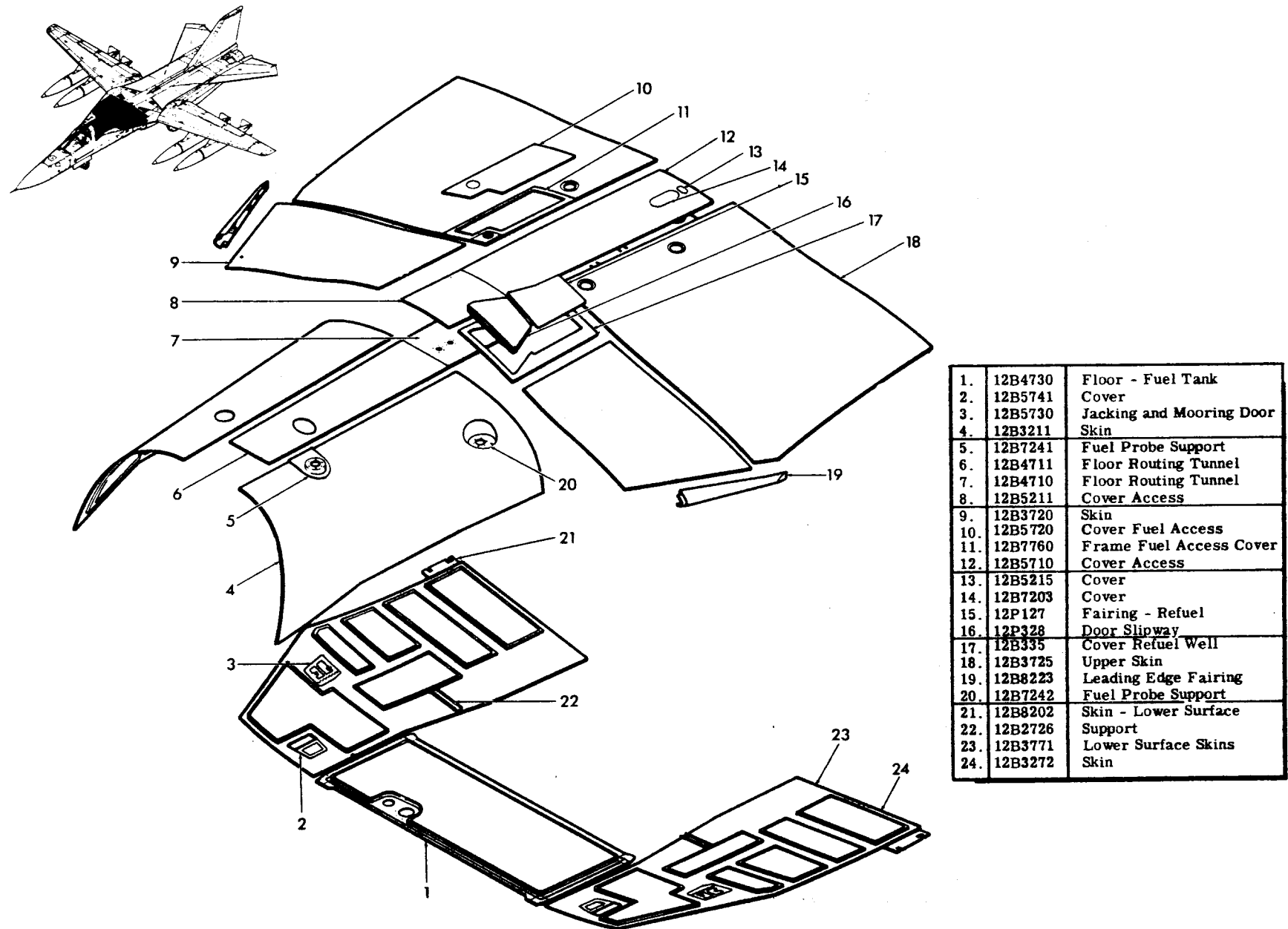
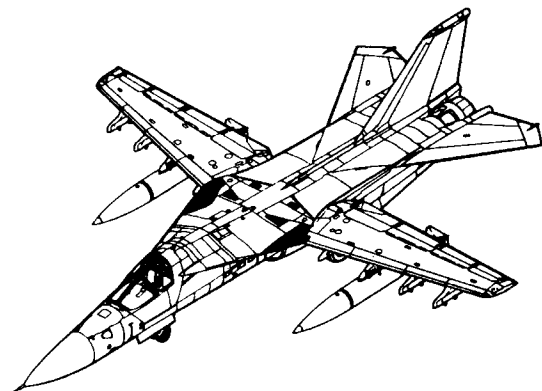


Figure 4-28 F-111E and FB-111 GLOVE PANEL ASSEMBLIES



1.	12B3701	Upper Fwd. Skin Glove
2.	12B3702	Upper Aft Glove Skin
3.	12B2781	Beam
4.	12B7772	Bracket
5.	12B2782	Support Fitting
6.	12B2780	Bulkhead
7.	12B1735	Spar
8.	12B3707	Skin L.E. Aft
9.	12B3704	Lower Skin
10.	12B8254	Skin, Leading Edge
11.	12B8255	Hinge Linkage
12.	12B5701	Lower Door Assy.
13.	12B8253	Hinge Bracket
14.	12B8252	Link Attach Bracket
15.	12B8251	Bracket Assembly
16.	12B3703	Lower Fwd. Glove Skin
17.	12B3706	Skin L.E. Fwd.
18.	12B2775	L.H. Bulkhead
19.	12B2785	Rib
20.	12B7790	Bushing

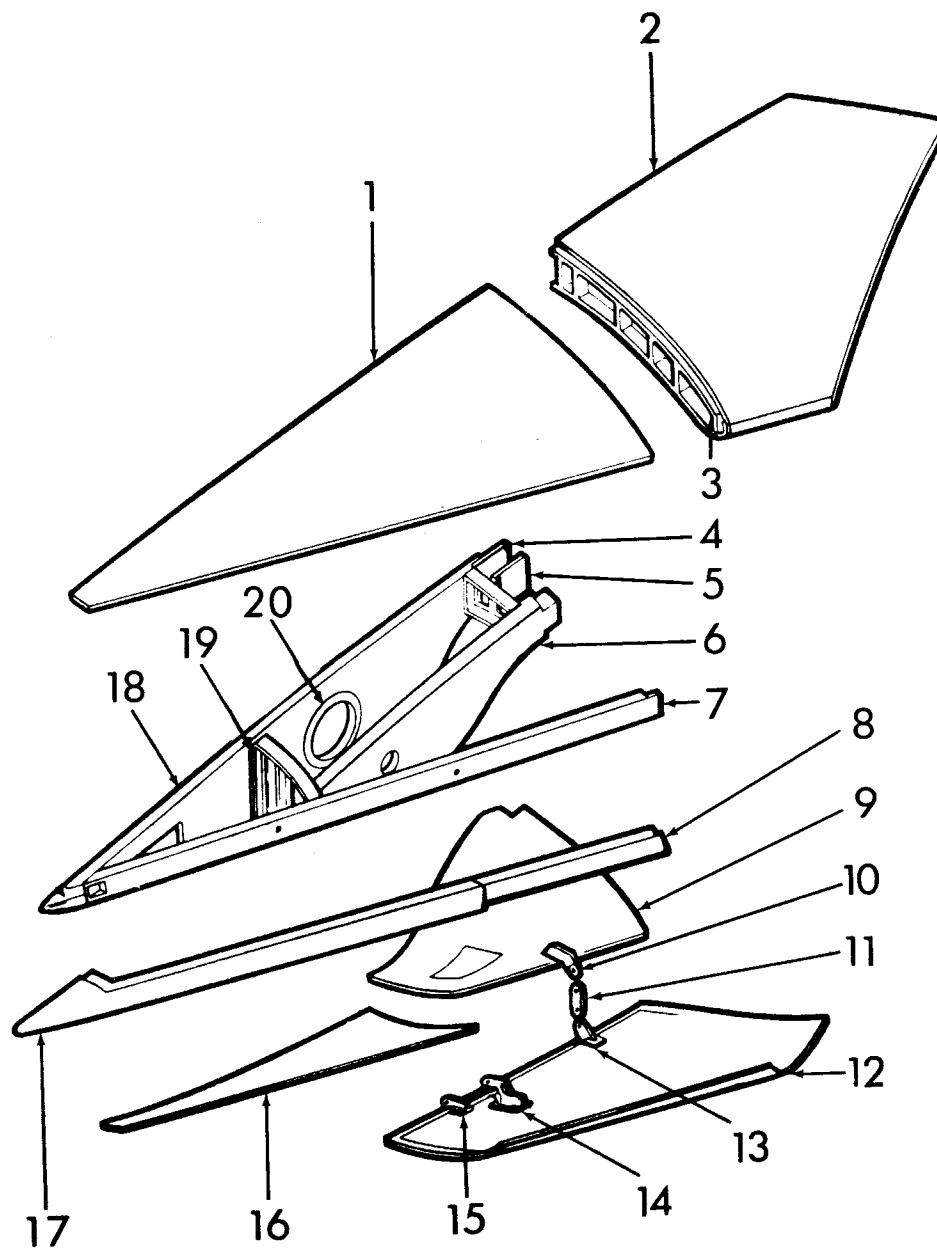
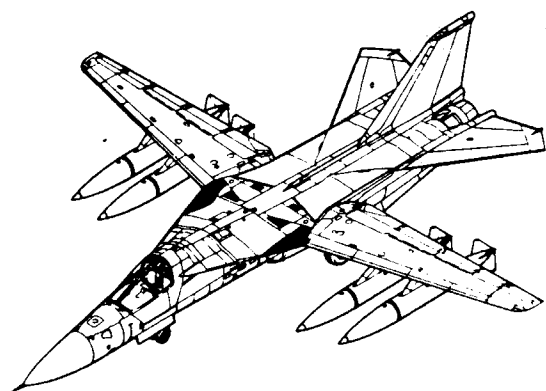


Figure 4-29 F-111A ROTATING GLOVE (TAC 31 thru 159)



1.	12B3701	Upper Fwd Glove Skin
2.	12B3702	Upper Aft Glove Skin
3.	12B2781	Beam
4.	12B7772	Bracket
5.	12B2783	Support
6.	12B2780	Bulkhead
7.	12B1735	Spar
8.	12B3707	Skin Leading Edge Aft
9.	12B3704	Lower Skin
10.	12B8294	Support
11.	12B8295	Hinge Linkage
12.	12B5702	Lower Door Assembly
13.	12B8293	Hinge Bracket
14.	12B8292	Link Attach Bracket
15.	12B8291	Bracket Assembly
16.	12B8285	Support
17.	12B3703	Lower Fwd Glove Skin
18.	12B3706	Fwd Leading Edge Skin
19.	12B2775	Bulkhead
20.	12B2786	Rib
21.	12B7790	Bushing

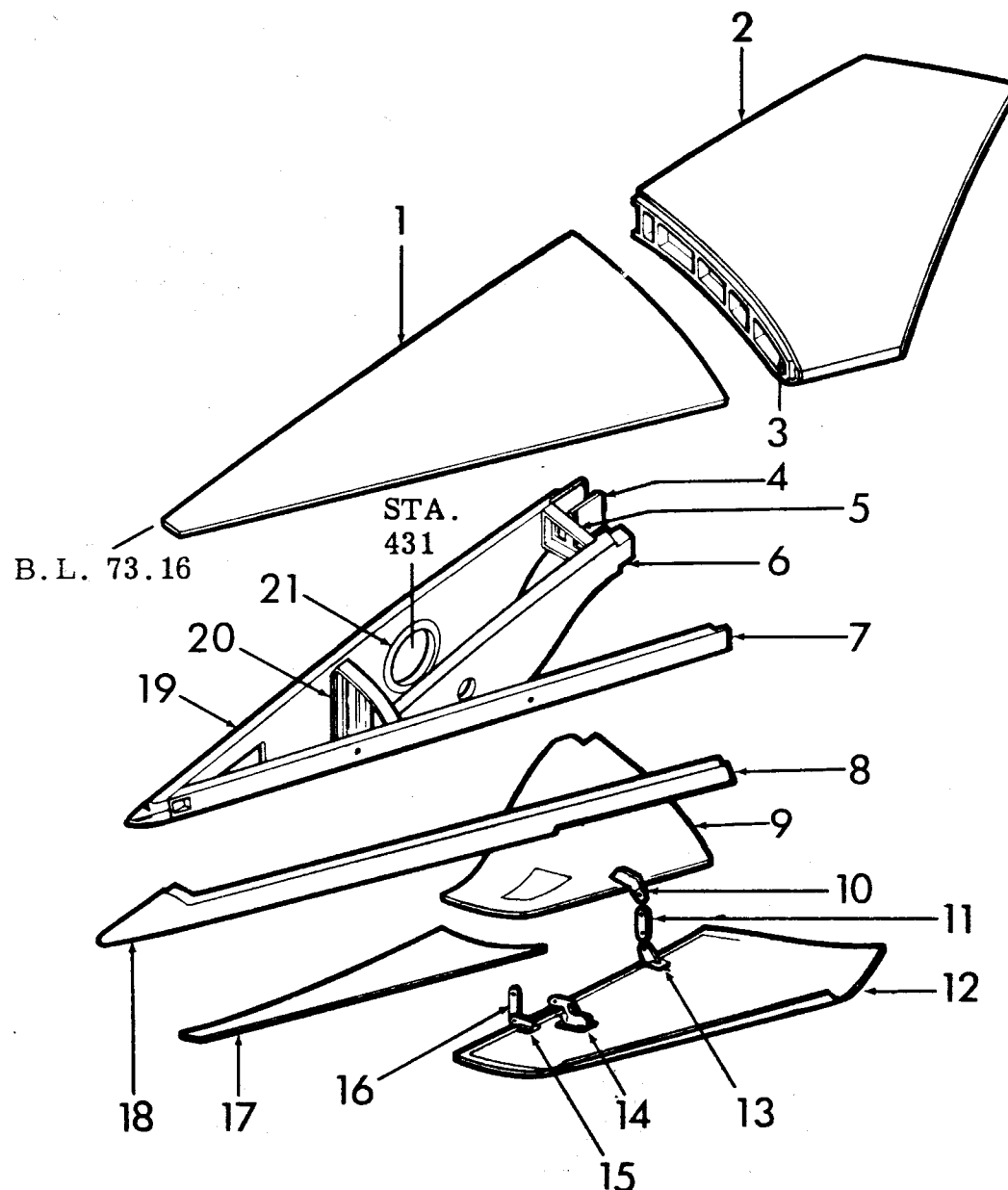
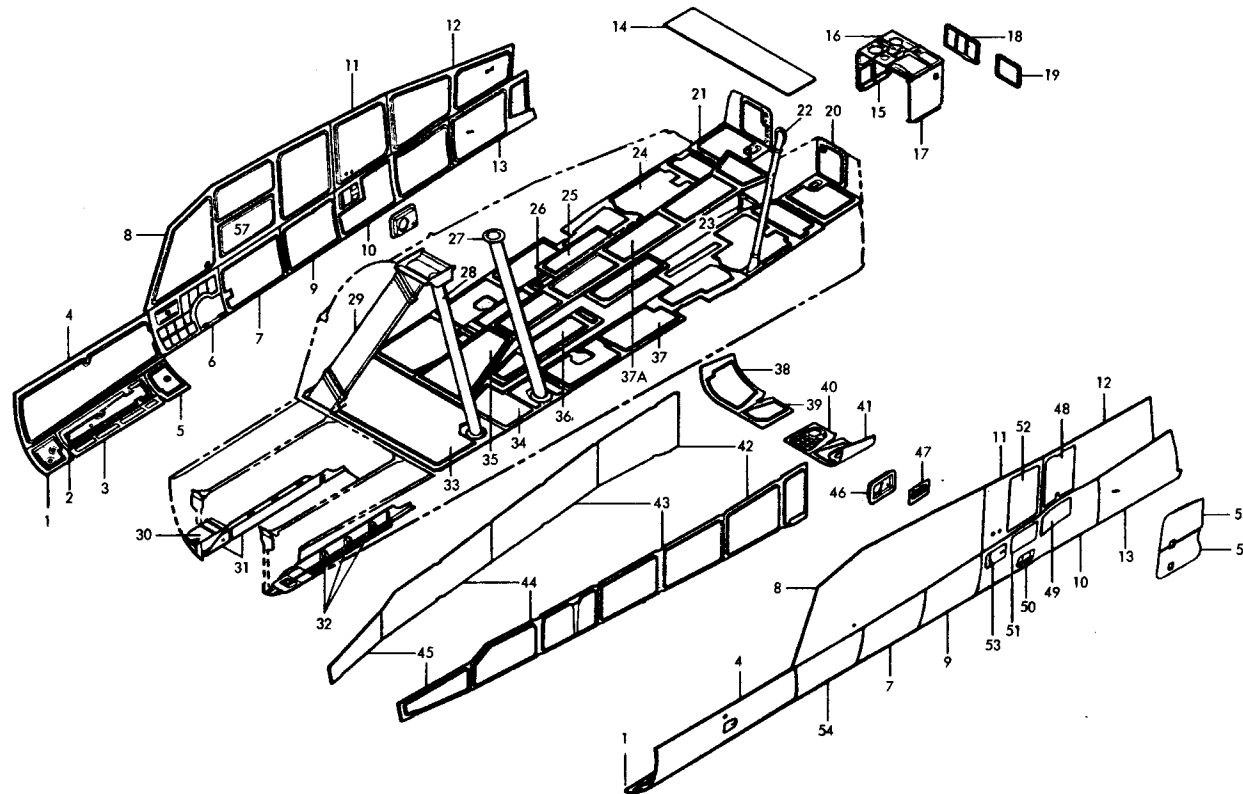
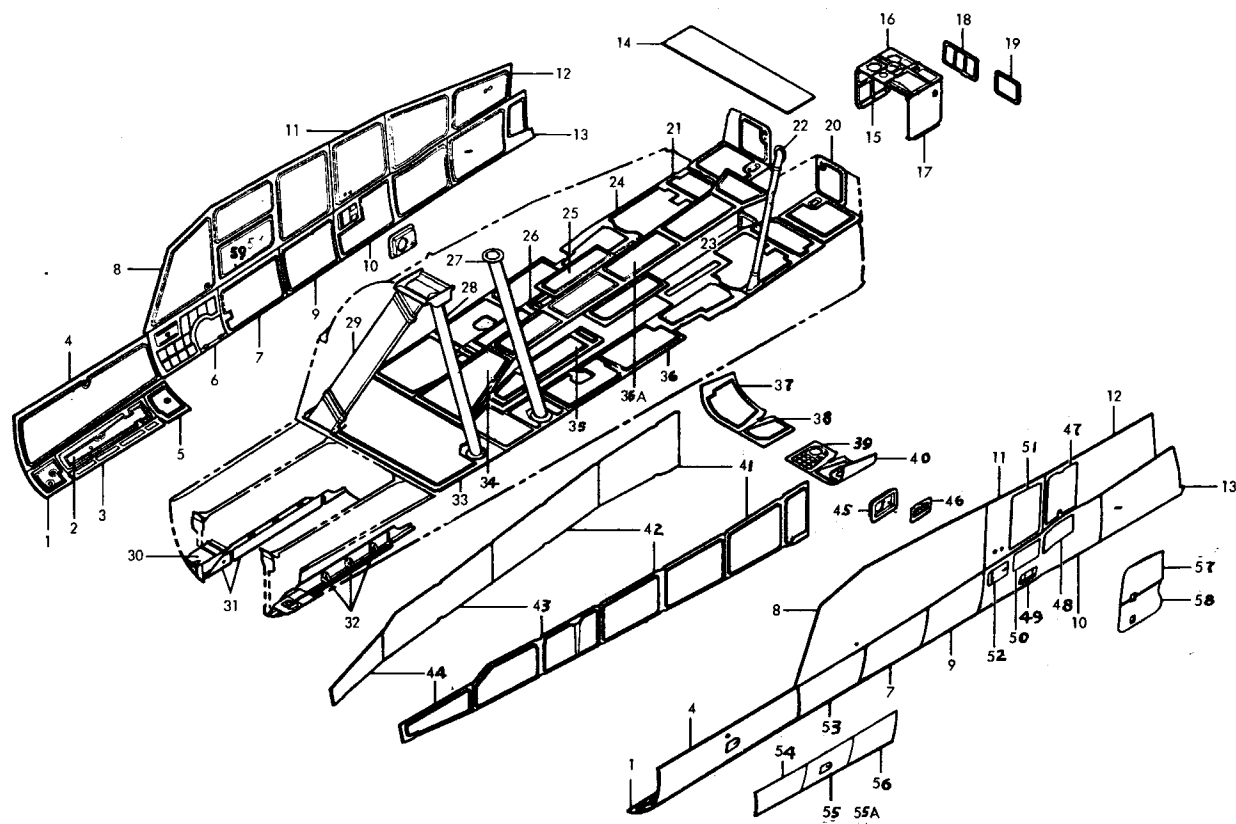


Figure 4-30 ROTATING GLOVE (F-111E: A1 160 and on; FB-111A: B1 3 and on)



1.	12B3046	Skin - RH	19.	12B5647	Cover Sta. 476	38.	12B3683	Skin Sta. 460 - 476
1.	12B3043	Skin - LH	20.	12B5651	Cover Sta. 476 L/R	39.	12B3681	Skin Sta. 460-476
2.	12F4101	Cover, Ladder - L/R	21.	12B4627	Deck Sta. 460 - 476 L/R	40.	12B3682	Skin Sta. 460 - 476
3.	12B3044	Skin - L/R	22.	12B8132	Tunnel Routing	41.	12B3680	Skin Sta. 460 - 476
4.	12B5051	Cover - L/R (TAC 31-49)	23.	12B5640	Door Sta. 460.05	42.	12B5685	W. B. Cover Sta. 420.7 - 460
4.	12B5053	Cover - L/R (TAC 50-159)	24.	12B4115	Deck Sta. 307.5 460.05	43.	12B5680	W. B. Cover Sta. 364 - 420.7
5.	12B3045	Skin L/R	25.	12B4122	Deck Sta. 370.73 - 402.25 L/R	44.	12B3660	W. B. Cover Sta. 307.5 - 364
6.	12B5611	Panel Sta. 278.5 - 307.5	26.	12B4120	Deck Sta. 333.47 - 370.8	45.	12B3650	W. B. Cover Sta. 278.5 - 307.5
7.	12B5615	Cover Sta. 307. - 337.	27.	12B8121	Tube Routing	46.	12B7110	Support L/R
8.	12B3111	Skin Side Shear Sta. 278. 364.	28.	12B8115	Tube Routing	47.	12B7111	Support
9.	12B5617	Access Cover Sta. 337 - 364	29.	12B8110	Tube Assembly	48.	12B8102	Skin L/R
10.	12B3131	Skin Panel Sta. 364 - 420.7	30.	12B3047	Web Instl. L/R	49.	12B8104	Skin L/R
11.	12B3113	Skin Panel Sta. 364 - 392.3	31.	12B4022	Fairing	50.	12B5631	Door
12.	12B3121	Skin Panel Sta. 392 - 448	32.	12B2061	Gussets L/R	51.	12B8103	Skin L/R
13.	12B3640	Skin Panel Sta. 420 - 460	33.	12B4110	Floor Sta. 275 - 307.5	52.	12B8101	Skin L/R
14.	12B4150	Fuel Deck Sta. 448 - 460	34.	12B4114	Deck Sta. 307.5 - 337.5	53.	12B5630	Door L/R
15.	12B3676	Skin Water Tank	35.	12B4132	Deck Sta. 307.5 - 337.5	54.	12B5610	Access Door Sta. 218.5 - 307
16.	12B3670	Panel	36.	12B4120	Deck Sta. 321.5 - 370.8	55.	12B8151	Fuselage Fill
17.	12B3673	Skin Water Tank	37.	12B4112	Deck Sta. 337.5 - 400.05	56.	12B8156	Fuselage Fill
18.	12B5646	Cover Sta. 476	37A.	12B4135	Deck Fuel Boundary 337.5 - 460.05	57.	12B5126	Door - RH

Figure 4-31 FORWARD CENTER FUSELAGE SKIN PANELS (F-111A: 31-159)



1. 1283046	Skin - RH	20. 1285651	Cover Sta. 476 L/R	41. 1285685	W. B. Cover Sta. 420.7 - 460
1. 1283043	Skin - LH	21. 1284627	Deck Sta. 460 - 476	42. 1285680	W. B. Cover Sta. 364 - 420.7
2. 12F4083	Cover, Ladder	22. 1288132	Tunnel Routing	43. 1283660	W. B. Cover Sta. 307.5 - 364
3. 1283044	Skin - L/R	23. 1285640	Door Sta. 460.05	44. 1283650	W. B. Cover Sta. 378.5 - 307.5
4. 1285053	Cover - RH (B1 3-On)	24. 1284185	Deck Sta. 307.5 - 460.05 (A1 37-On)	45. 1287110	Support L/R
4. 1285053	Cover - L/R A1 160-On)	25. 1284122	Deck Sta. 307.5 - 402.25 L/R	46. 1287101	Support
5. 1283045	Skin L/R	26. 1284120	Deck Sta. 333.47 - 370.8	47. 1288102	Skin L/R
6. 1285611	Panel Sta. 278.5 - 307.5	27. 1288121	Tube Routing	48. 1288104	Skin L/R
7. 1285615	Cover Sta. 307 - 337	28. 1288115	Tube Routing	49. 1285631	Door
8. 1283111	Skin Side Shear Sta. 278 - 364	29. 1288110	Tube Assembly	50. 1288103	Skin L/R
9. 1285617	Access Cover Sta. 337 - 364	30. 1283047	Web Instl. L/R	51. 1288101	Skin L/R
10. 1283131	Skin Panel Sta. 364 - 420.7	31. 1284022	Fairing	52. 1285630	Door L/R
11. 1283113	Skin Panel Sta. 364 - 392.3	32. 1282061	Gussets L/R	53. 1285610	Access Door Sta. 278.5 - 307
12. 1283121	Skin Panel Sta. 392 - 448	33. 1284110	Floor Sta. 275 - 307.5	54. 1285054	Cover L. H. (B1 3-On Only)
13. 1283640	Skin Panel Sta. 420 - 460	34. 1284132	Deck Sta. 307.5 - 337.5	55. 1285055	Cover - L. H. (B1 3-On Only)
14. 1284150	Fuel Deck Sta. 448 - 460	35. 1284120	Deck Sta. 321.5 - 370.8	55A 1285057	Access Door - L. H. (B1 3-On Only)
15. 1283676	Skin Water Tank	36. 1284182	Deck Sta. 337.5 - 460.05 (A1 37-On)	56. 1285056	Cover - L. H. (B1 3-On Only)
16. 1283670	Panel	36A 1284135	Deck Fuel Boundary 337.50 - 460.05	57. 1288151	Fuselage Fill (B1 3-6; A1 239-On)
17. 1283673	Skin Water Tank	37. 1283683	Skin Sta. 460 - 476	57A 1288051	Fuselage Fill (A1 160-238; B1 7-33)
18. 1285646	Cover Sta. 476	38. 1283681	Skin Sta. 460-476	58. 1288156	Fuselage Fill (B1 3-6; A1 239-On)
19. 1285647	Cover Sta. 476	39. 1283682	Skin Sta. 460 - 476	58A 1288056	Fuselage Fill (A1 160-238; B1 7-33)
		40. 1283680	Skin Sta. 460 - 476	59. 1285126	Door - RH

Figure 4-32 FORWARD CENTER FUSELAGE SKIN PANELS (F-111E: A1: 160-On; FB-111A: B1: 3-On)

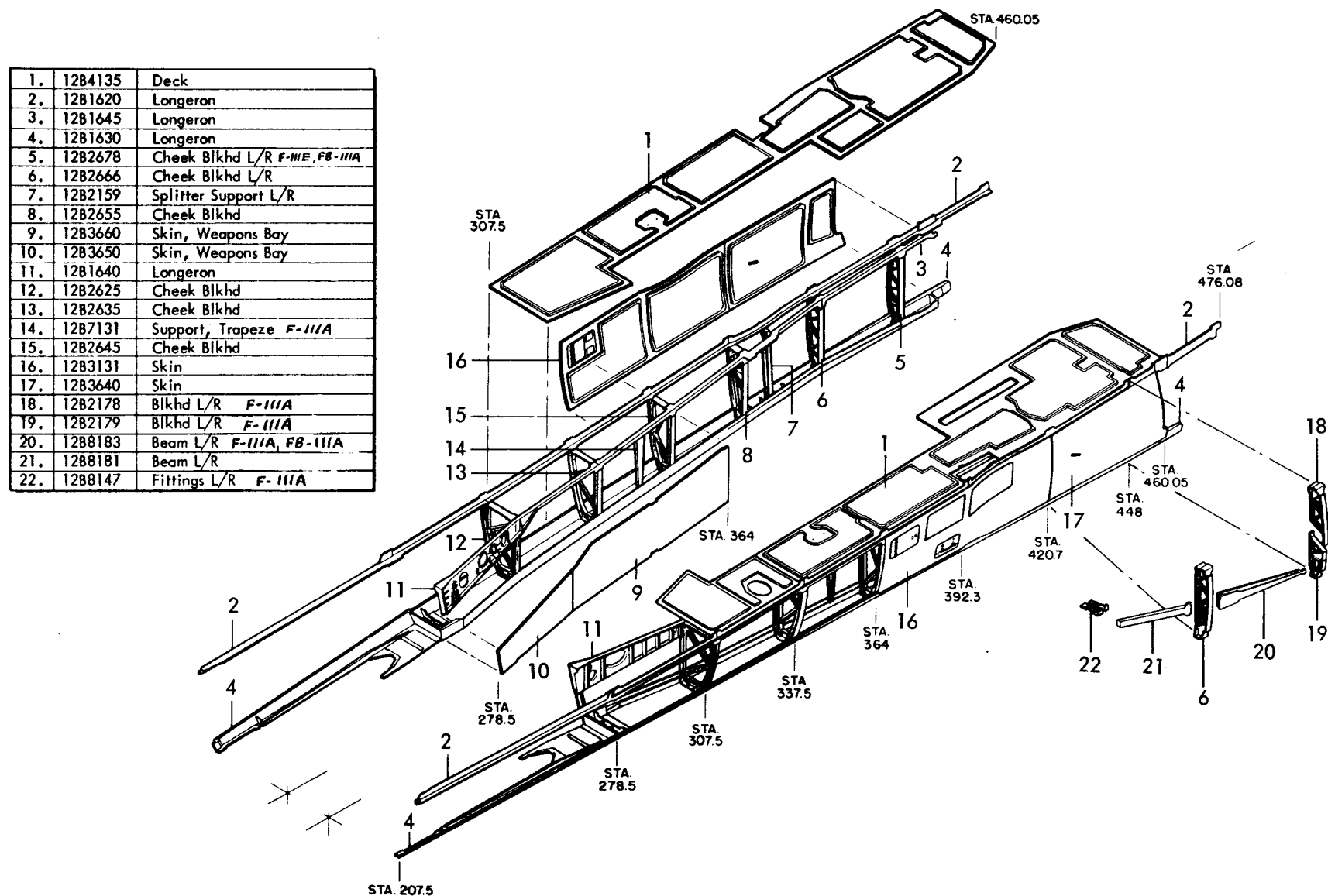


Figure 4-33 FORWARD CENTER FUSELAGE CHEEK ASSEMBLY

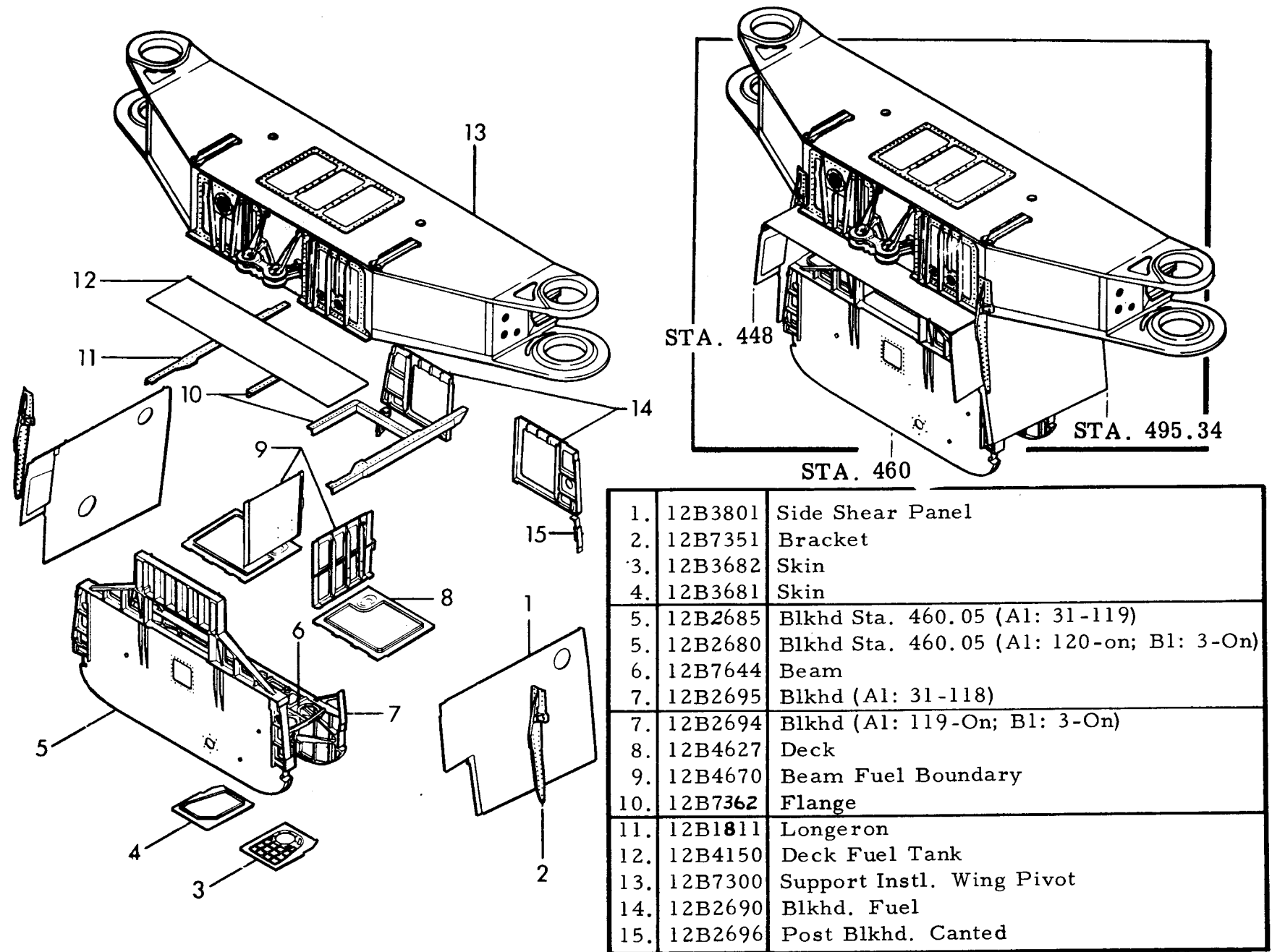


Figure 4-34 FORWARD CENTER FUSELAGE - AFT TANK AND PIVOT SUPPORT

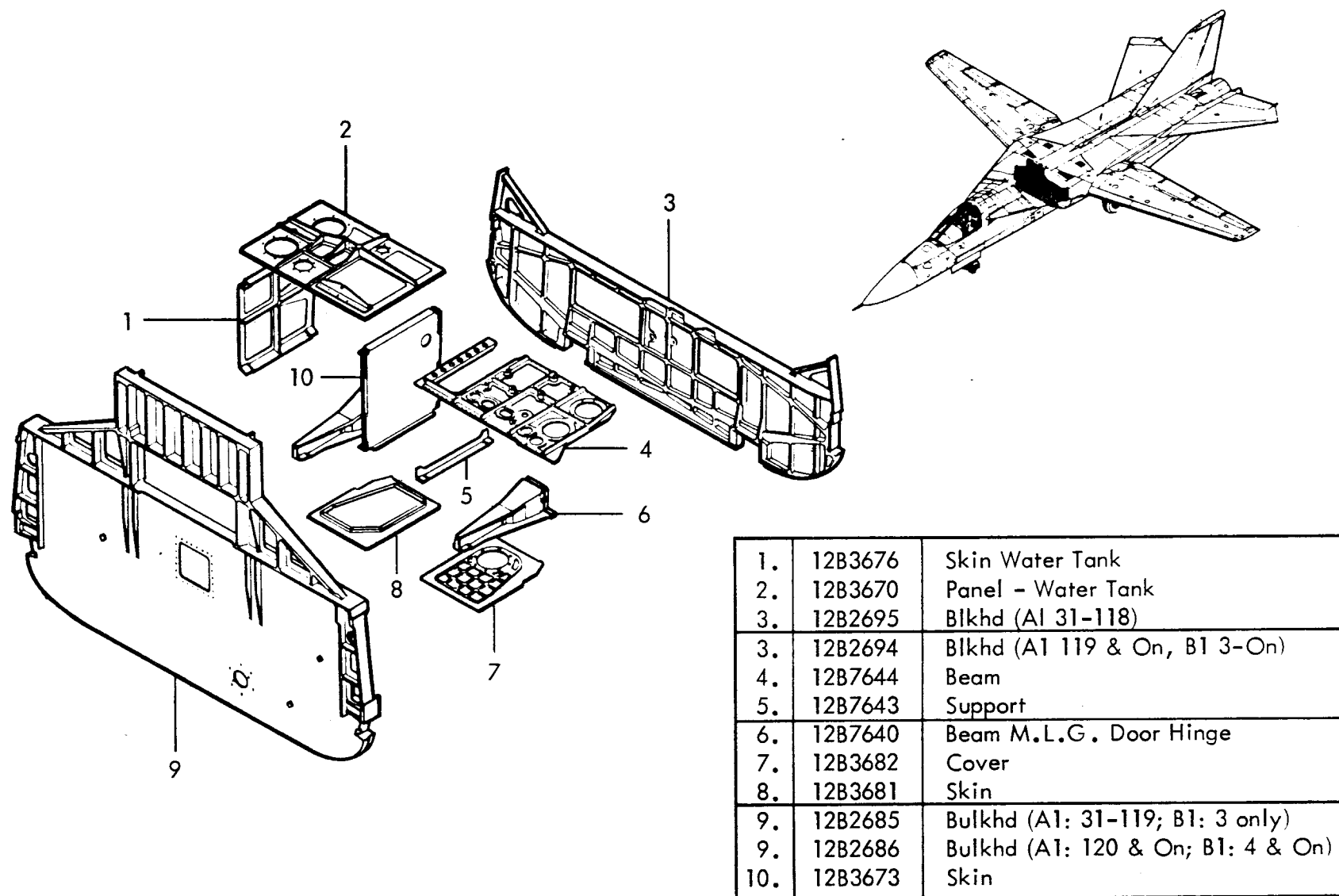
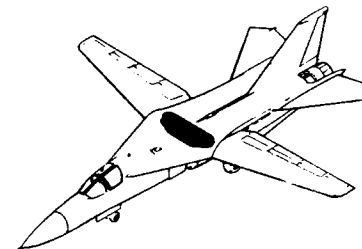
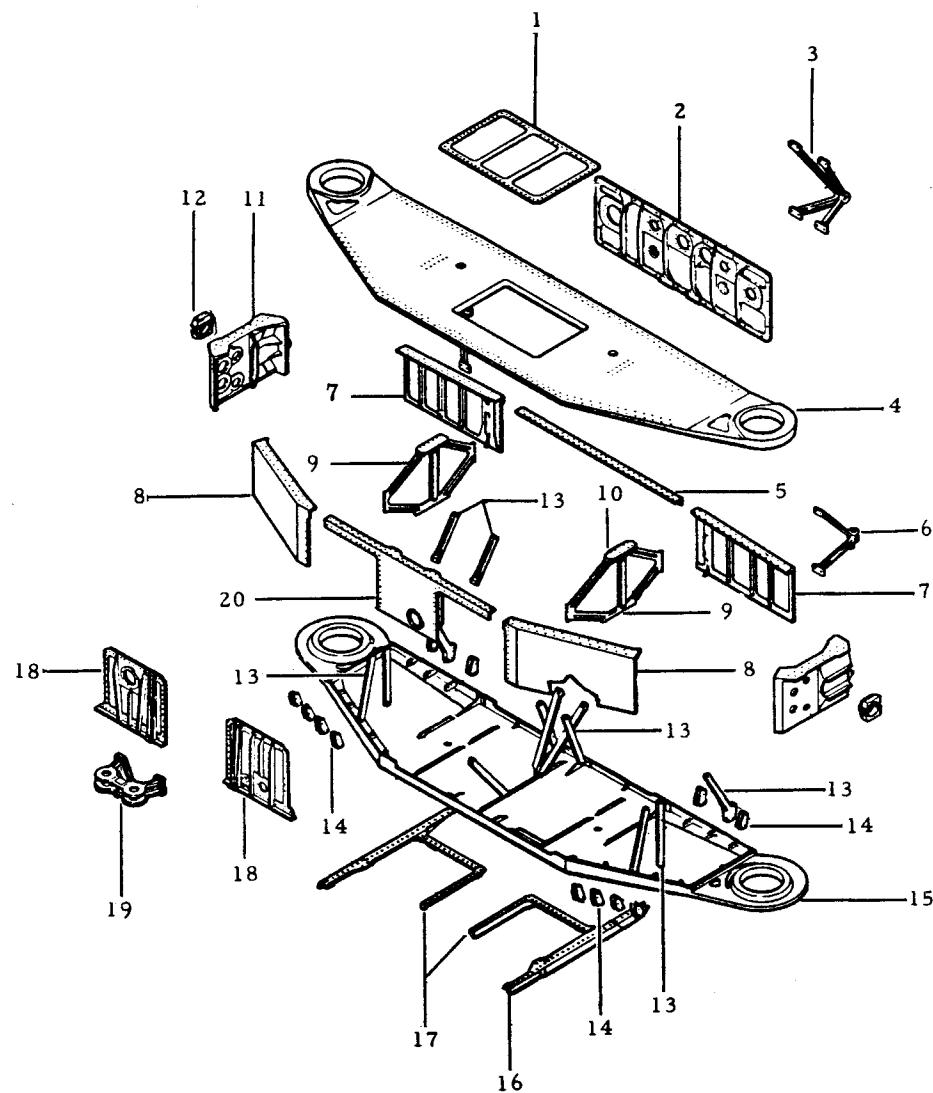
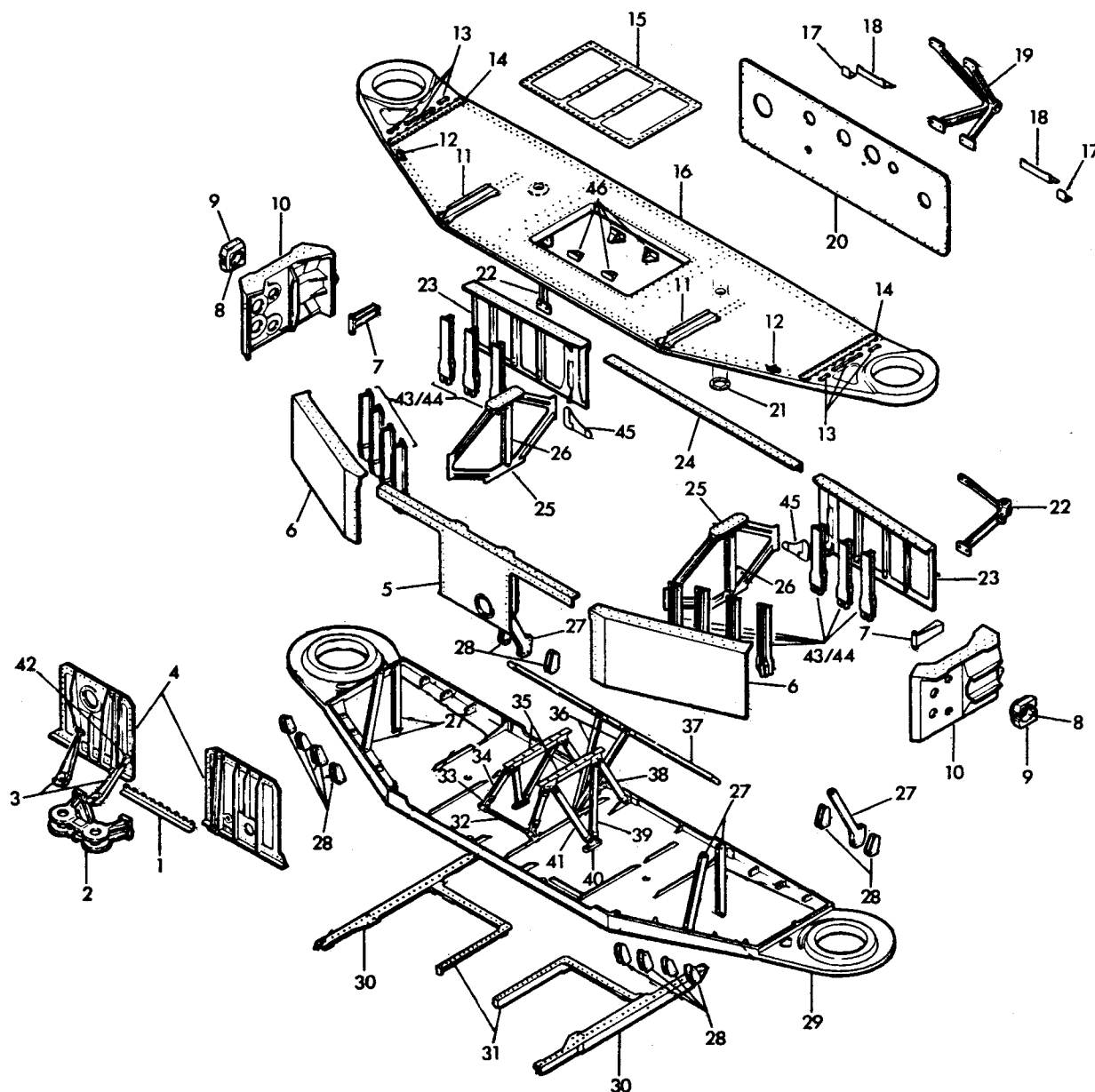


Figure 4-35 FORWARD CENTER FUSELAGE AFT TANK SUBASSEMBLY



	12B7300	Installation
	12B7310	Assembly
1.	12B7332	Access Cover
2.	12B7333	Web
3.	12B7354	Speed Brake Bracket
4.	12B7311	Upper Cap
5.	12B7342	Aft Attach Angle
6.	12B7356	Pylon Actuator Bracket L/H
6.	12B7357	Pylon Actuator Bracket L/H
6.	12B7358	Pylon Actuator Bracket L/H
7.	12B7314	Aft Panel L/H
8.	12B7315	Fwd. Panel L/H
9.	12B7335	Brace
10.	12B7319	Truss L/H
11.	12B7313	Outb'd. Shear Panel L/H
12.	12B7355	Retainer
13.	12B7336	Brace
14.	12B7363	Splice
15.	12B7312	Lower Cap
16.	12B1811	Longerons
17.	12B7362	Flange
18.	12B7331	Fwd. Access Door L/H
18.	12B7331	Fwd. Access Door R/H
19.	12B7323	Actuator Support Fitting
19.	12B7353	Actuator Support Fitting
20.	12B7318	Actuator Support Bulkhead

Figure 4-36 WING PIVOT SUPPORT ASSEMBLY (F-111A: 31-159 FB-111A: 3-6)



12B7300 INSTALLATION 12B7301 ASSEMBLY	
1.	12B7334 Flange
2.	12B7323 Actuator Fitting
3.	12B7378 Brace
4.	12B7331 Fwd. Access Door
5.	12B7318 Actuator Support Bhd.
6.	12B7315 Fwd. Panel
7.	12B7366 Support
8.	12W413 Receptacle
9.	12B7355 Retainer
10.	12B7313 Outbd. Shear Panel
11.	12B7377 Beam
12.	12B2826 Bracket
13.	12B7361 Shims
14.	12B2819 Hinge Half
15.	12B7371 Access Cover
16.	12B7311 Upper Cap
17.	12E2371 Bracket
18.	12B3817 Flange
19.	12B7325 Speed Brake Bracket
20.	12B7333 Web
21.	12B7365 Nut Ring
22.	12B7356 Pylon Actuator Brkt.
23.	12B7314 Aft Panel
24.	12B7342 Attach Angle
25.	12B7319 Brace
26.	12B7335 Brace
27.	12B7336 Brace
28.	12B7363 Splice
29.	12B7312 Lower Cap
30.	12B1811 Longeron
31.	12B7362 Flange
32.	12B7384 Strap
33.	12B7383 Bracket
34.	12B7373 Brace
35.	12B7386 Beam
36.	12B7381 Brace
37.	12B7376 Stiffener
38.	12B7385 Brace
39.	12B7375 Brace
40.	12B7382 Bracket
41.	12B7374 Brace
42.	12B7379 Bracket
43.	12B7397 Doubler
44.	12B7396 Stiffener
45.	12B7395 Corner Gusset
46.	12B7391 Bracket

Figure 4-36A WING PIVOT SUPPORT ASSY (F-111E: A1 160-On; FB-111A: B1 7-On)

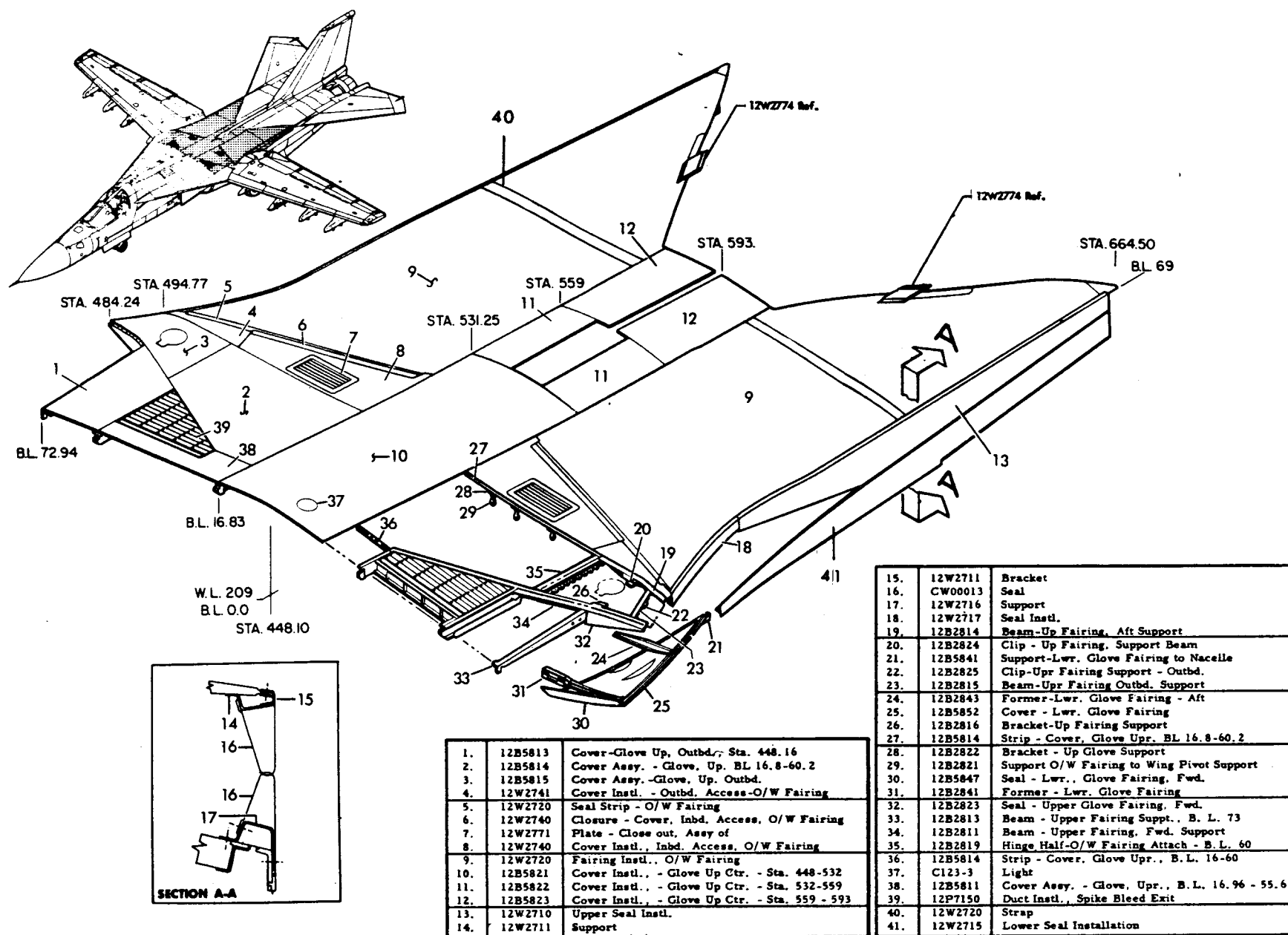


Figure 4-37 UPPER FUSELAGE PANELS AND OVERWING FAIRINGS (F-111A: 31-159)

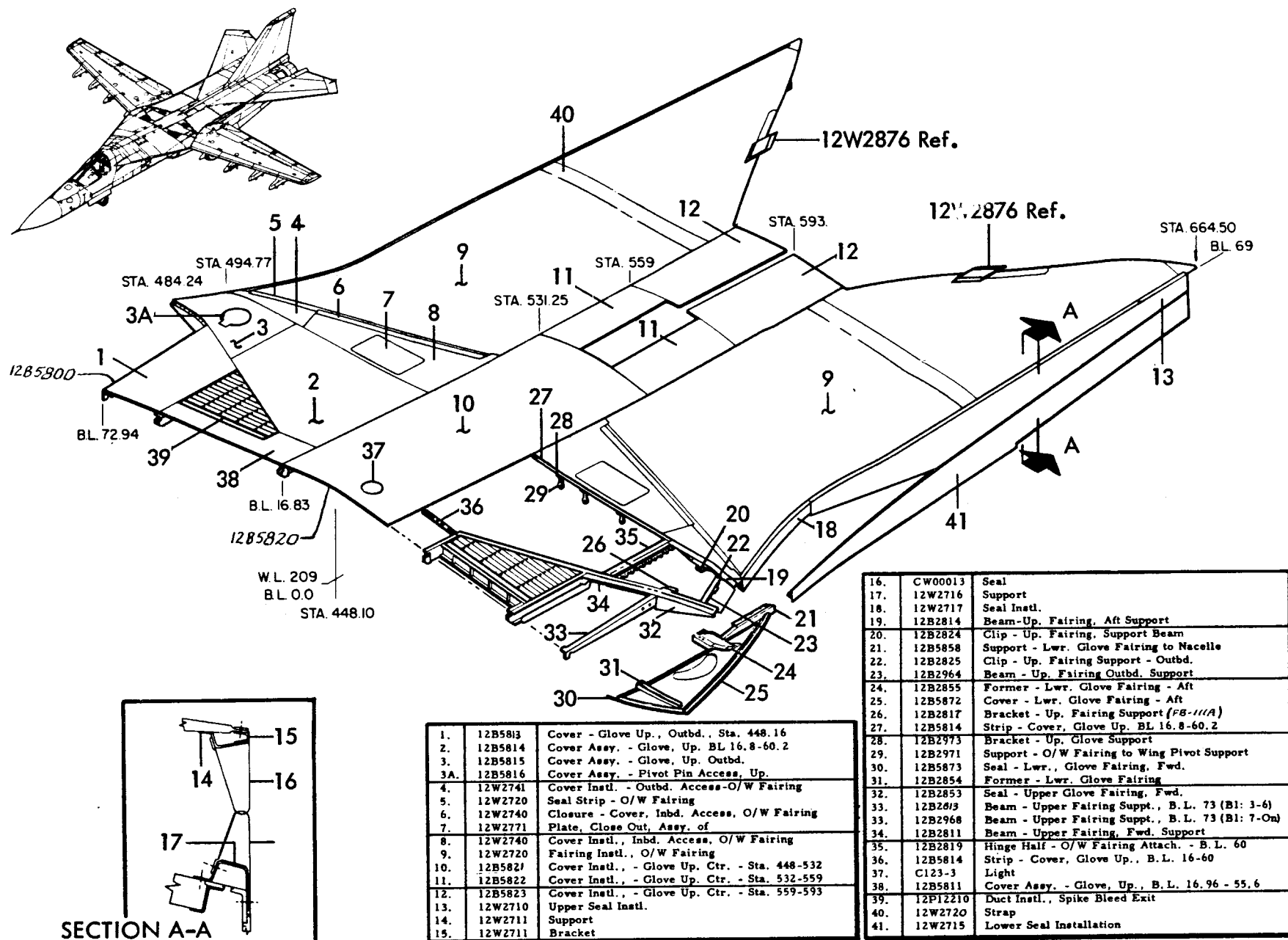


Figure 4-37A UPPER FUSELAGE PANELS AND OVERWING FAIRINGS
F-111E (A1:160 & On); FB-111A:3 & On

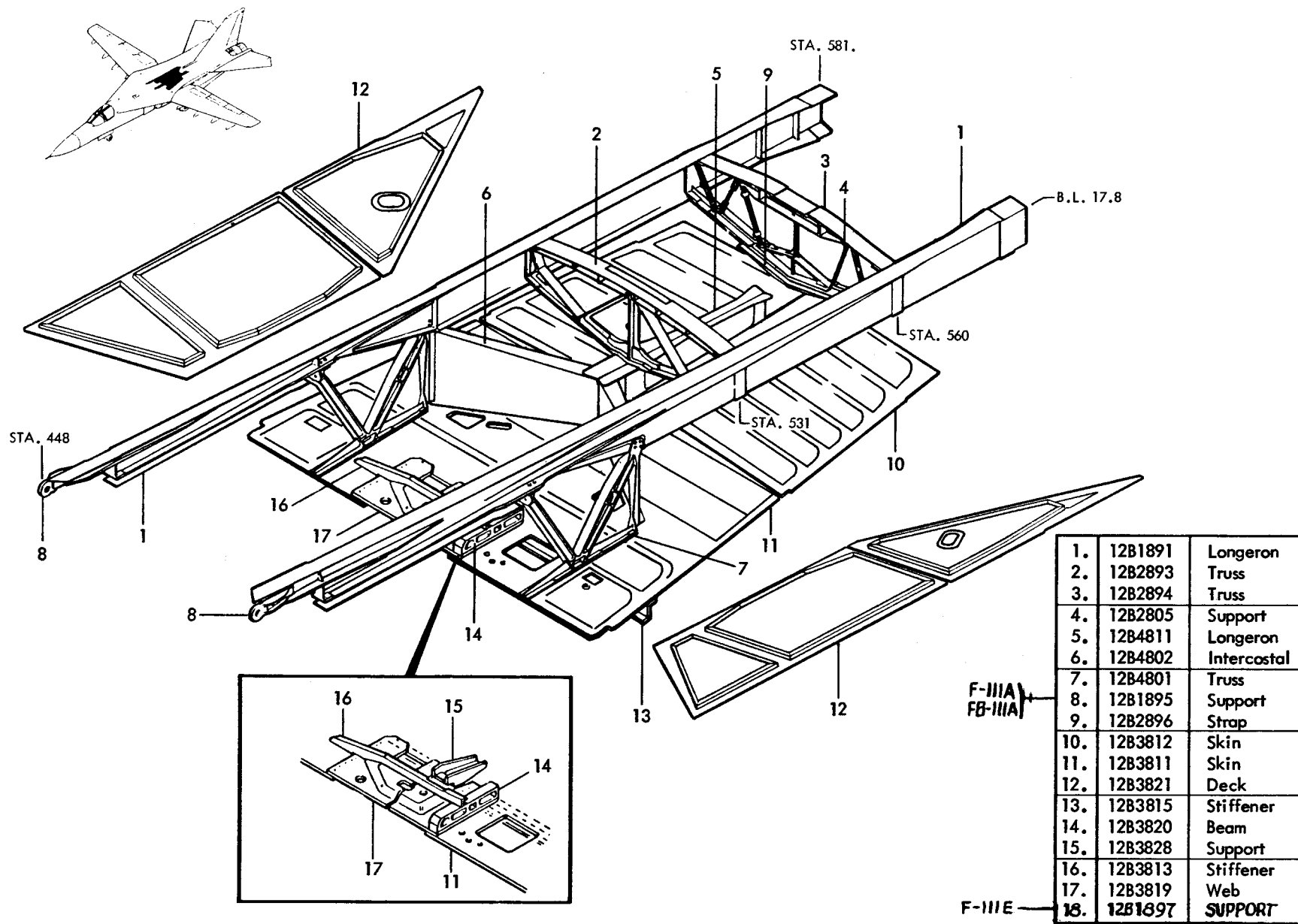
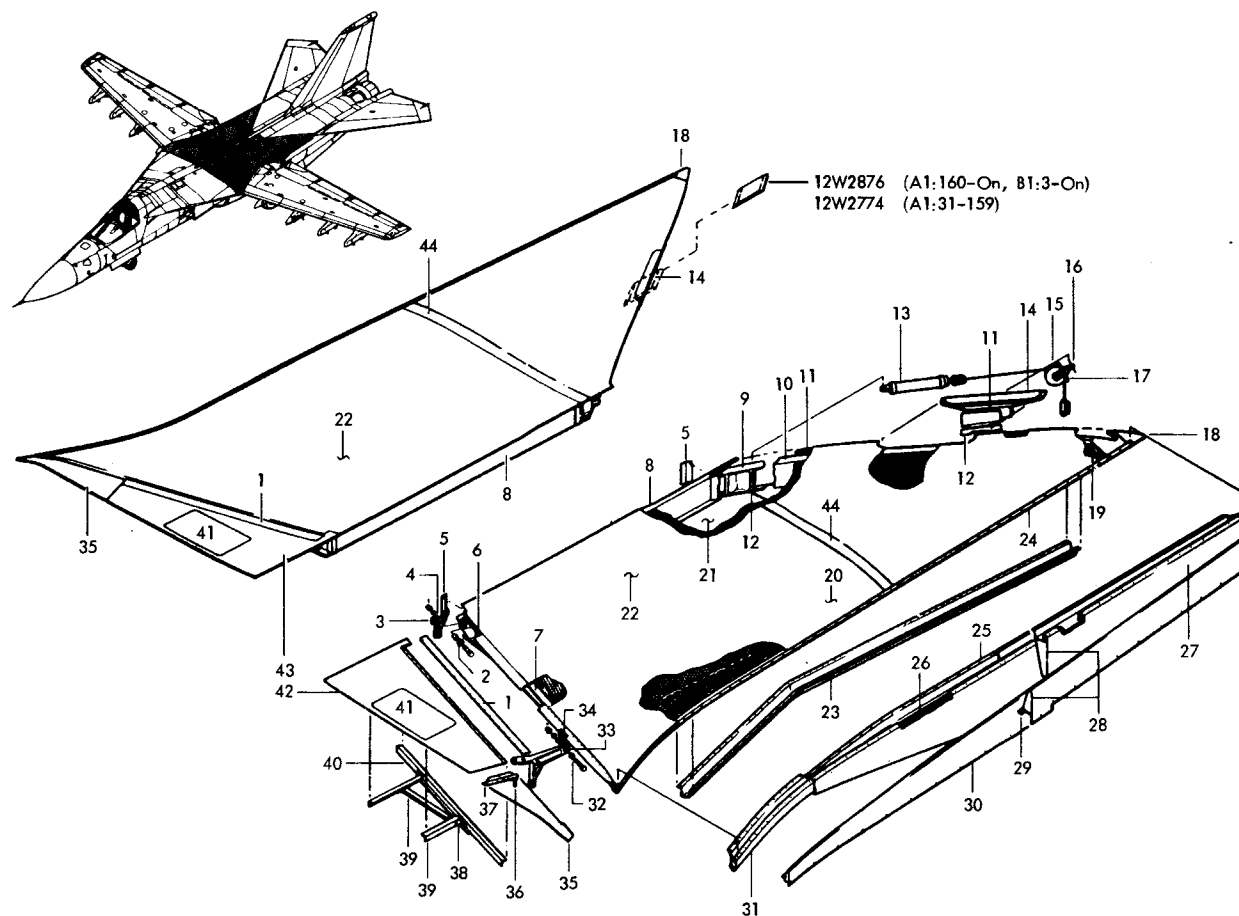


Figure 4-37 AFT CENTER FUSELAGE - UPPER



12W2720		Overwing Fairing, Assy of
1.	12W2740	Closure
2.	12W2756	Washer
3.	12W2757	Bearing
4.	12W2751	Fitting
5.	12W2720	Clip
6.	12W2720	Seal Strip
7.	12W2724	Closure Beam
8.	12W2720	Edge Member
9.	12W2728	Actuator Support
10.	12W2726	Closure Beam
11.	12W2720	Doubler
12.	12W2720	Shim
13.	CH00118	Actuator
14.	12W2729	Pulley Support
15.	12W2739	Cable Assy.
16.	12W2736	Clevis Assy.
17.	12W2735	Pulley Assy.
18.	12W2731	Stiffener - T.E.
19.	12W2720	Core
20.	12W2721	Upper Skin
21.	12W2722	Lower Skin
22.	12W2720	Bonded Assy.
23.	12W2730	Bumper
24.	12W2723	Stiffener Closure
25.	12W2711	Support Assy.
26.	12W2712	Slug
27.	12W2710	Seal Instl. Upper
28.	CW00013	Seal
29.	12W2716	Support Side Seal
30.	12W2715	Seal Instl.
31.	12W2713	Seal Assy.
31.	12W2717	Seal Instl.
32.	12W2754	Bushing
33.	12W2753	Bearing
34.	12W2752	Fitting Assy.
35.	12W2741	Cover Assy.
36.	12W2741	Link
37.	12W2743	Support
38.	12W2740	Clip
39.	12W2740	Stiffener
40.	12W2744	Support
41.	12W2771	Plate
42.	12W2740	Skin
43.	12W2740	Cover Instl.
44.	12W2720	Strap

Figure 4-39. OVERWING FAIRINGS

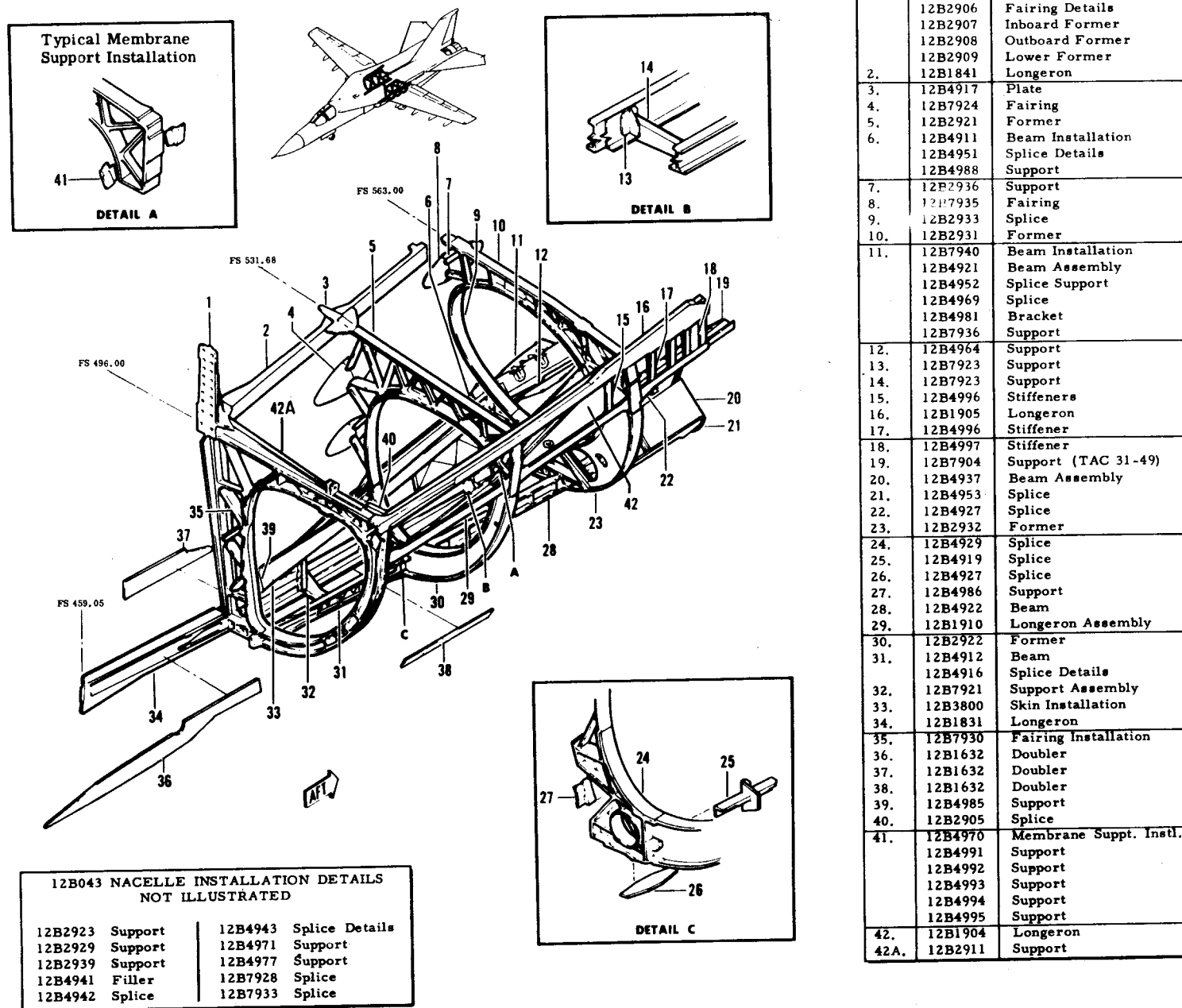


Figure 4-40 F-111A AFT CENTER FUSELAGE - SIDE ASSEMBLY (TAC 31 thru 159)

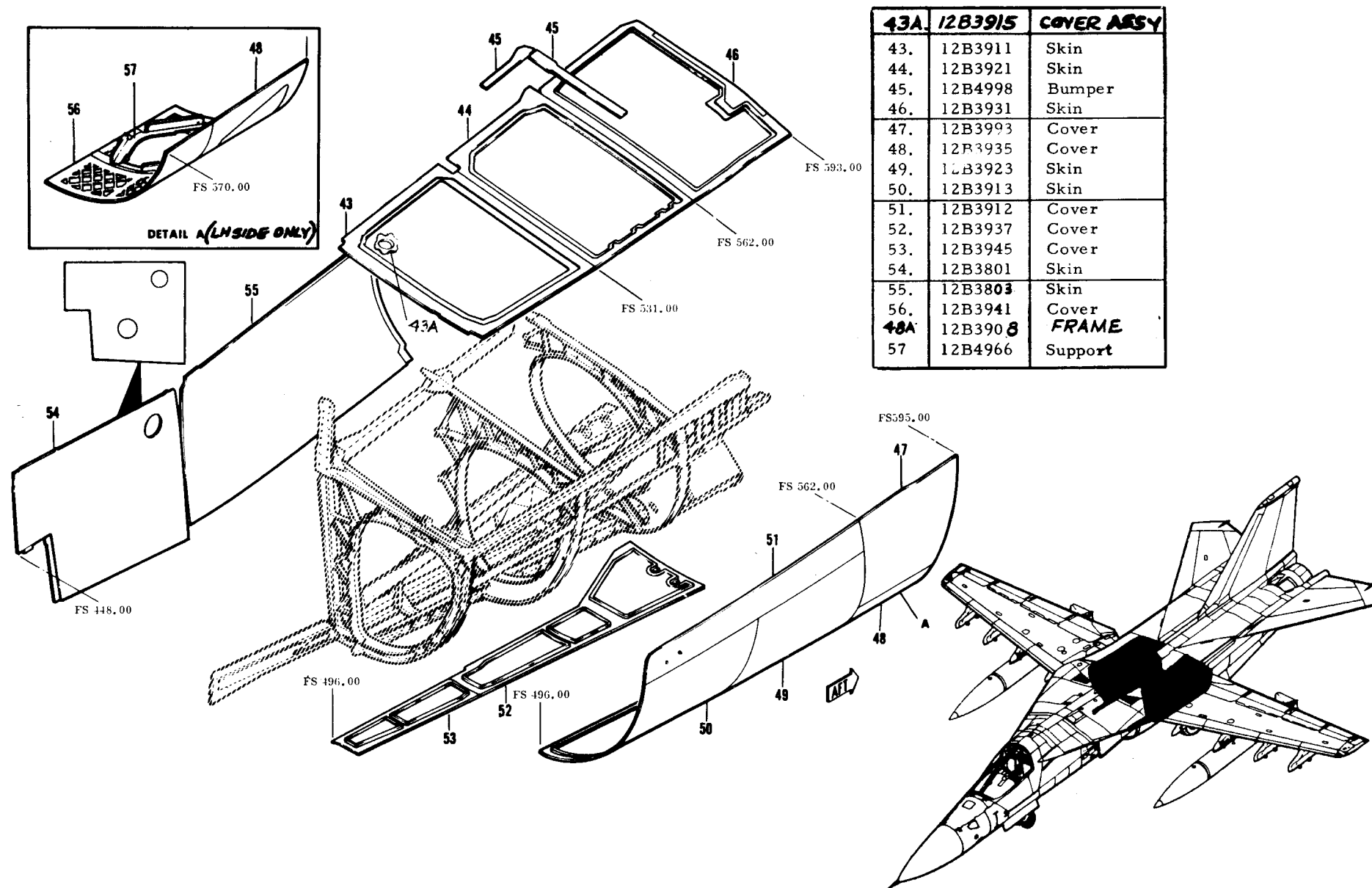
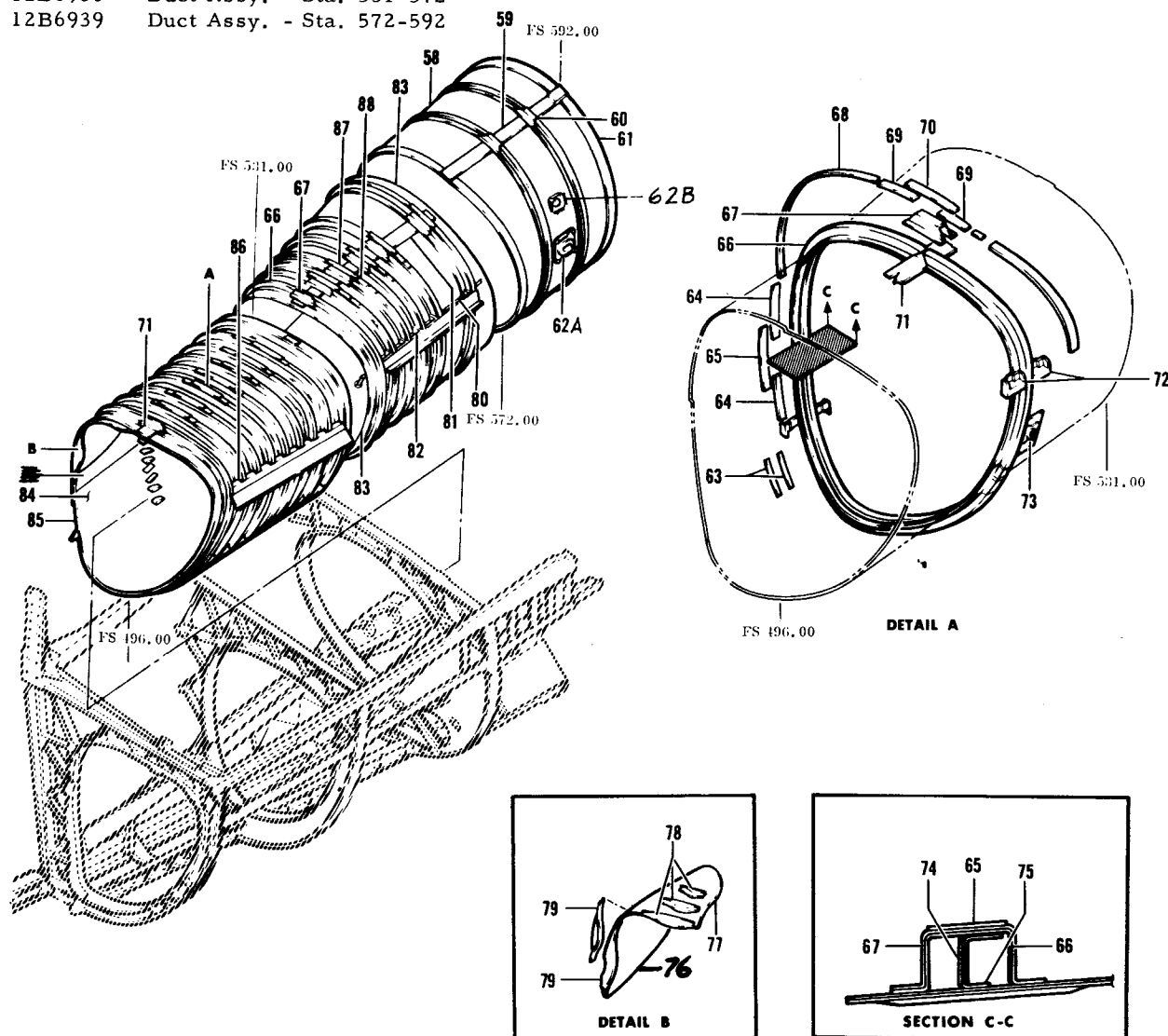


Figure 4-41 F-111A AFT CENTER FUSELAGE SIDE ASSEMBLY-SKIN (TAC 31 thru 159)

- 12B6920 Duct Assy. - Sta. 496-531
 12B6930 Duct Assy. - Sta. 531-572
 12B6939 Duct Assy. - Sta. 572-592



58.	12B6939	Skin
59.	12B6939	Splice Skin
60.	12B6939	Splice Hat
61.	12B6939	Hat
62A	12B4967	BRACKET Assy.
62B	12B4968	Support ASSY
63.	12B6920	Radius Block
64.	12B6922	Slug
65.	12B6922	Slug Splice
66.	12B6922	Stiffener
67.	12B6922	Stiffener Splice
68.	12B6920	Retainer
69.	12B6922	Slug
70.	12B6922	Slug Splice
71.	12B6920	Splice
72.	12B4983	Support Casting
73.	12B4973	Support
74.	12B6922	Divider
75.	12B6922	Divider Splice
76.	12B4975	FAIRING
77.	12B4974	FAIRING
78.	12B4974	Support
79.	12B4975	Stiffener
80.	12B4982	Support
81.	12B6930	Splice
82.	12B4972	Support Casting
83.	12B6931	Skin
84.	12B6921	Skin
85.	12B6905	Splice Installation
86.	12B4984	Support Casting
87.	12B6922	Stiffener
88.	12B6922	Slug

Figure 4-42 F-111A AFT CENTER FUSELAGE-DUCT ASSEMBLIES (TAC 31 thru 159)

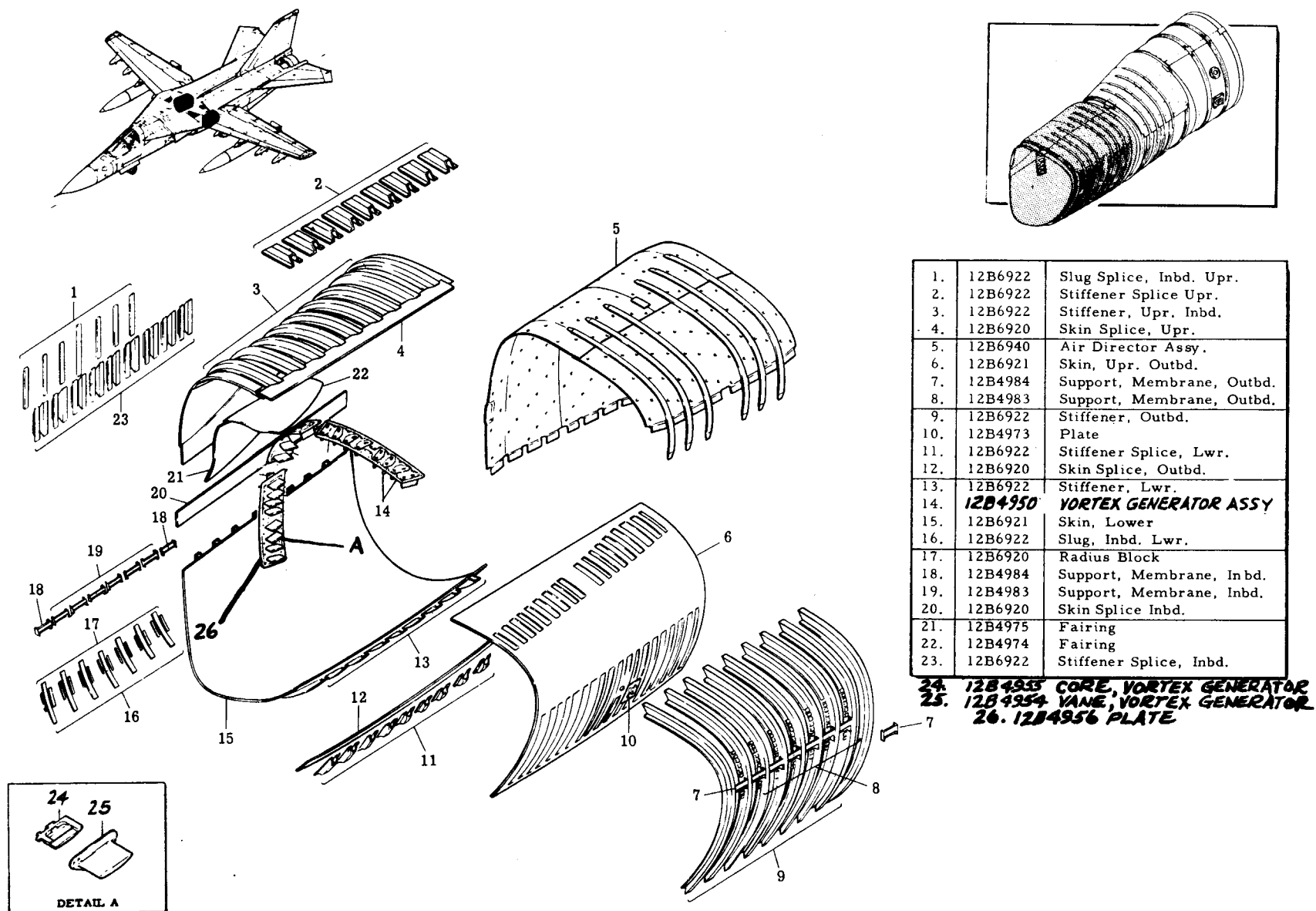


Figure 4-43 F-111A AFT CENTER FUSELAGE - FORWARD DUCT ASSEMBLY (TAC 31 thru 159)

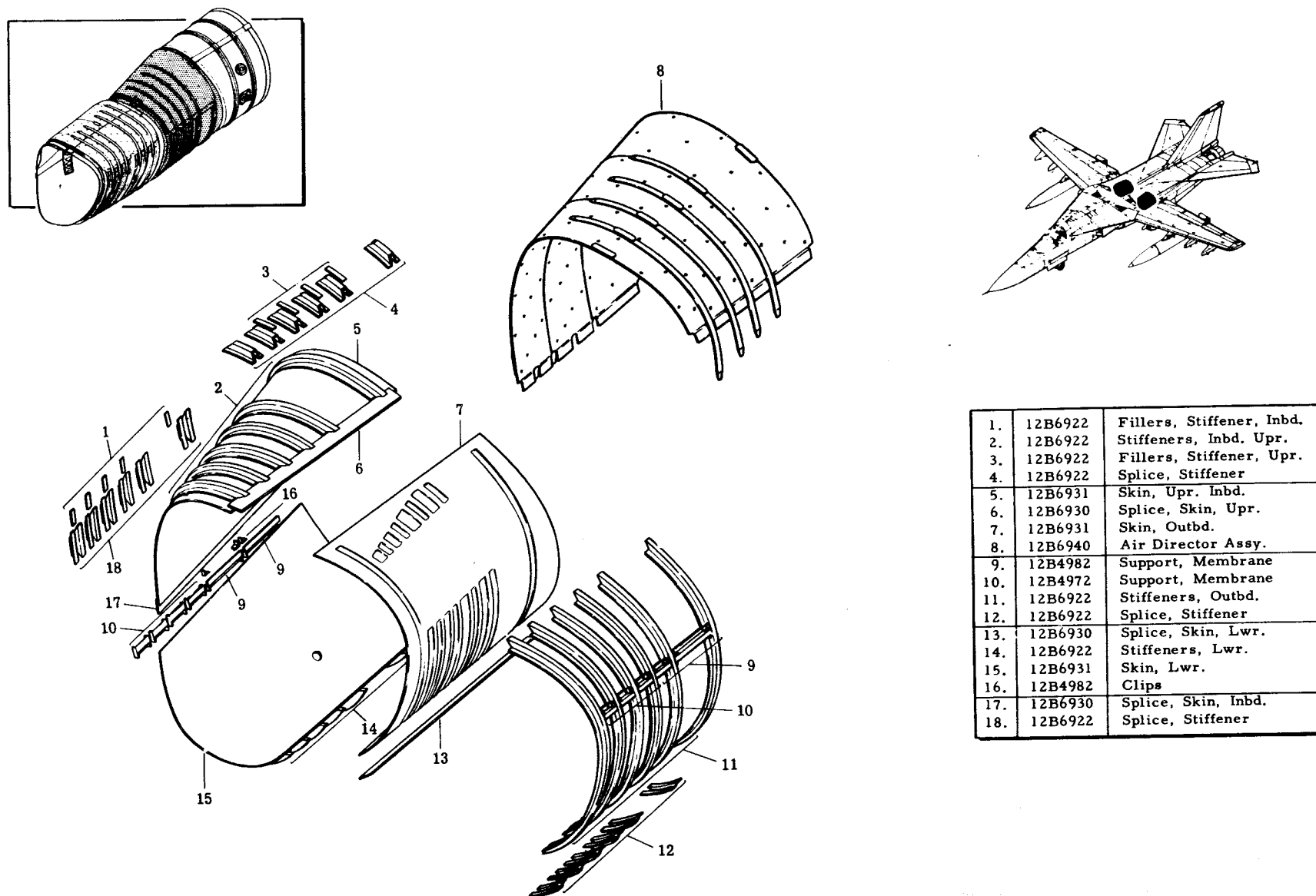


Figure 4-44 F-111A AFT CENTER FUSELAGE - MID DUCT ASSEMBLY (TAC 31 thru 159)

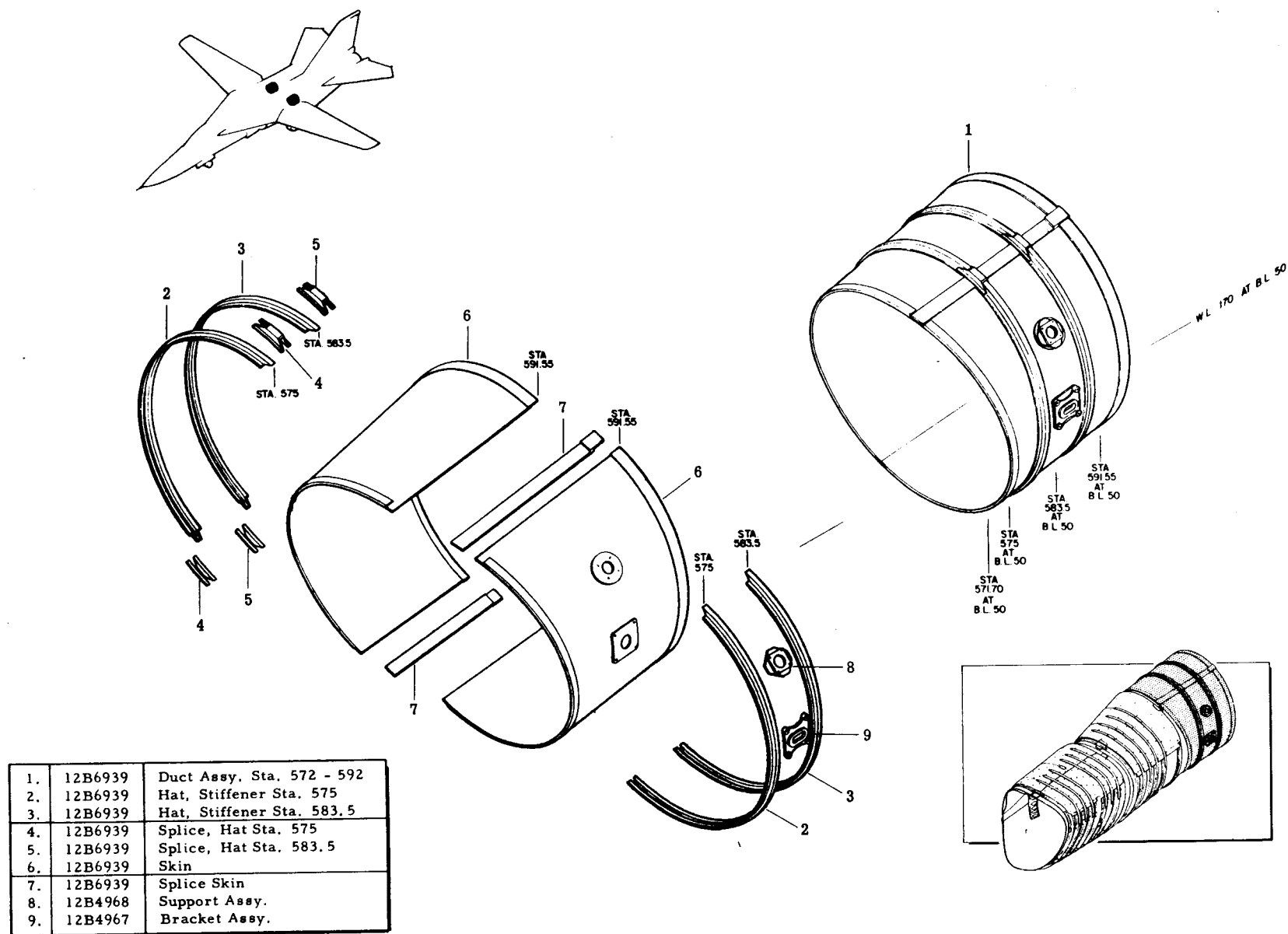
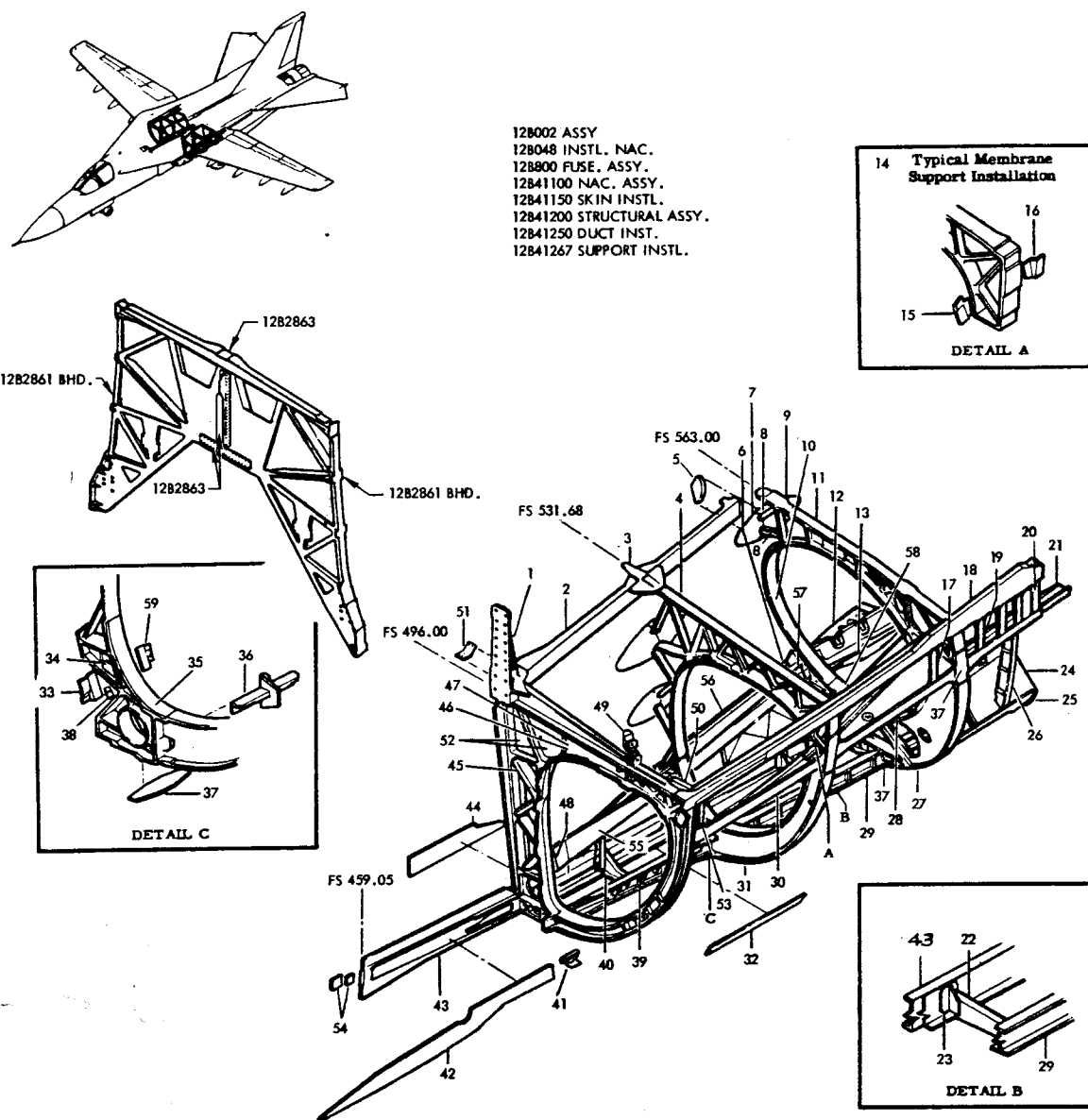


Figure 4-45 F-111A AFT CENTER FUSELAGE - AFT DUCT ASSEMBLY (TAC 31 thru 159)



12B41200	Structural Assy
1. 12B41210	Former - Sta. 496 Assy.
2. 12B1841	Longeron - Lwr. Sta. 459.05-570.78
3. 12B4917	Plate - Splice Upper Inbd. Sta. 531
4. 12B41221	Former - Nacelle upper Sta. 531
5. 12B41205	Fairing Inlet Duct
6. 12B41111	Beam Installation Lower - Sta. 496-572
7. 12B41205	Fairing Instl. Fuse. Bound Air Duct 572
8. 12B2936	Supports - Upper Inboard Sta. 572
9. 12B41205	Fairing - Bhd. Lug. Upper Inbd. Sta. 560
10. 12B41233	Splice - Inlet Duct Sta. 592
11. 12B41231	Former - Nacelle Upper - Sta. 572
12. 12B048	Beam Installation - Sta. 572 - 593
12B4937	Splice Details - Sta. 575 - 583
12B41121	Splice Details - Sta. 575 - 583
12B048	Splice Installation - Sta. 572
13. 12B41121	Support - Boundary Air Beam Out. 572-593
14. 12B41267	Support Instl. - Membrane Sta. 496-565
12B41257	Membrane Support - Sta. 565
12B41259	Membrane Support - Sta. 565
15. 12B41265	Membrane Support - Sta. 531
16. 12B41258	Membrane Support - Sta. 531
17. 12B4949	Stiffener - Outboard Longeron Sta. 559.50
18. 12B41105	Longeron - Upper Outboard Sta. 496-585
19. 12B4948	Stiffener - Outbd. Long. Sta. 569.94 & 574.18
20. 12B4997	Stiffener - Outboard Longeron Sta. 579
21. 12B41110	Suppt. - Longeron - Nacelle Outbd. Sta. 591
22. 12B7923	Support - Lower Sta. 558
23. 12B7923	Support - Lower Sta. 558
24. 12B4937	Support - Beam Outboard Sta. 572-593
25. 12B4957	Splice - Oil Cooler Frame to Sta. 593
26. 12B4930	Beam Instl. Outboard Nacelle Sta. 580
27. 12B41232	Former - Nacelle - Lower Sta. 592
28. 12B41110	Longeron - Sta. 496-593 Assy. of
29. 12B4922	Beam - Lower Sta. 531-593
30. 12B41104	Longeron - Sta. 496-585 Outboard
31. 12B41222	Former Nacelle Upper Sta. 531
32. 12B090	Doubler
33. 12B41111	Support - Membrane Sta. 531
34. 12P299	Bracket Details - Support Engine Supply
35. 12B4929	Splice Inlet Duct Former Sta. 531
36. 12B4919	Splice - Lower Beam Sta. 531
37. 12B4927	Splice Plates - Nacelle Ext.
38. 12B4111	Filler - Membrane Inbd. Lwr. Duct Sta. 531
39. 12B41112	Beam - Lower Sta. 496-532
40. 12B41211	Stiffener - Nacelle Lower Sta. 496-531
41. 12B41116	Splice Detail Lower Beam Sta. 496
42. 12B085	Doubler
43. 12B3800	Longeron - Lower Sta. 459.05 - 570.78
44. 12B085	Doubler
45. 12B41206	Fairing - Former Truss Sta. 496
46. 12B41217	Seal Installation - Bulkhead Sta. 496
47. 12B41217	Seal Bulkhead Sta. 496
48. 12B41111	Support - Membrane Sta. 496
49. 12B048	Link, Support - Nacelle Sta. 496 Assy. of
50. 12B41217	Splice - Outboard Underwing Sta. 496
51. 12B3800	Splice Detail Underwing Longeron
12B800	Splice Detail Underwing Longeron
52. 12B048	Seal Bulkhead - Sta. 496 Installation
12B41186	Seal Detail
12B41184	Spacer
12B41188	Seal Detail
12B41189	Seal Detail
53. 12B5870	Support - Beam Sta. 499.5
54. 12B3800	Radius Block Cowd Track
55. 12B41111	Beam Detail
56. 12B41111	Beam Detail
57. 12B41111	Support - Membrane Sta. 572
58. 12B7938	Splice - Inlet Duct Sta. 572
59. 12B41111	Support - Membrane Sta. 531

Figure 4-46 AFT CENTER FUSELAGE SIDE ASSEMBLY STRUCTURE
(F-111E: A1: 160 & On; FB-111A 3 & On)

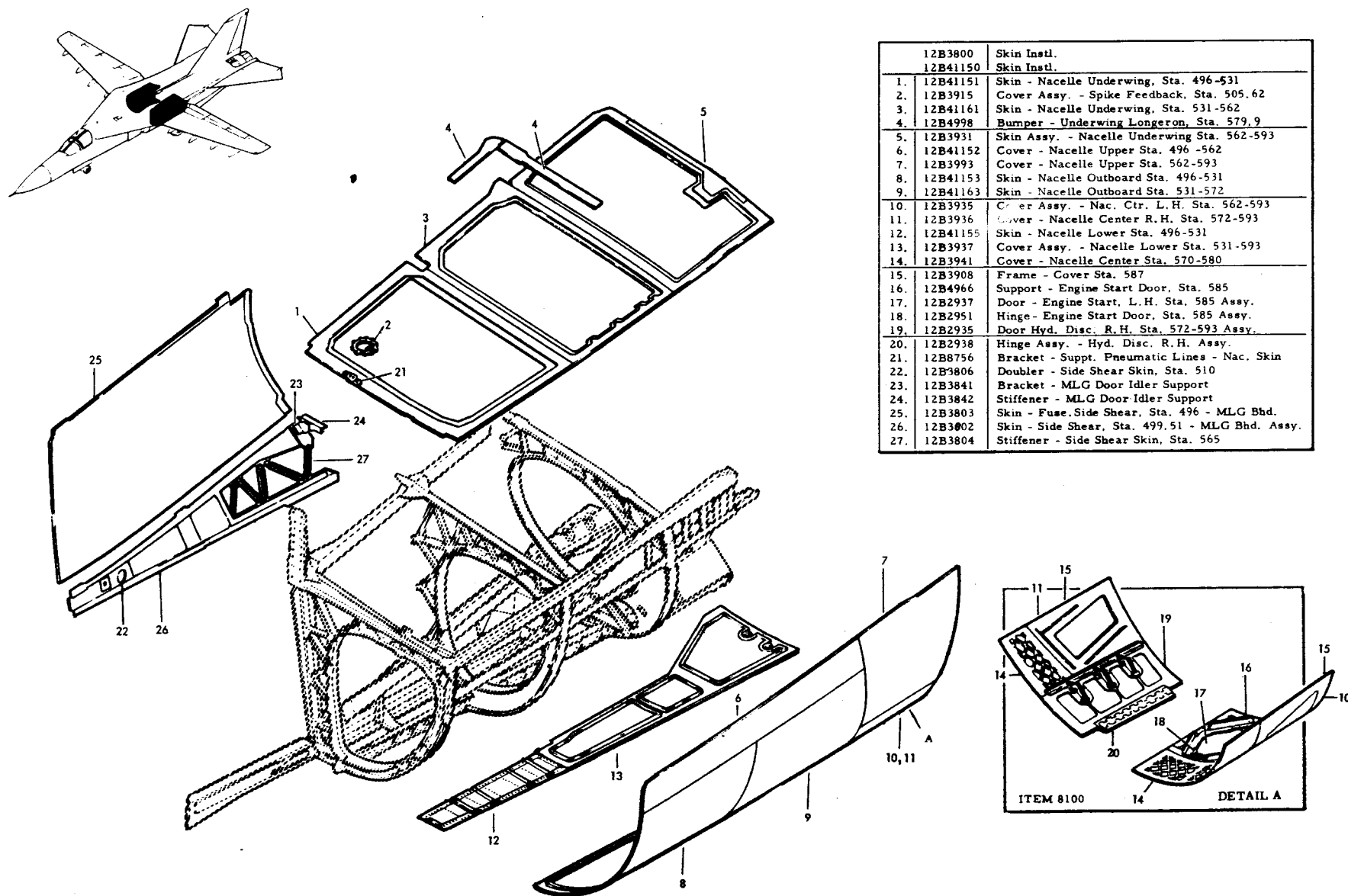


Figure 4-47 AFT CENTER FUSELAGE SIDE ASSEMBLY SKINS
(F-111E: A1: 160 & On; FB-111A: 3 & On)

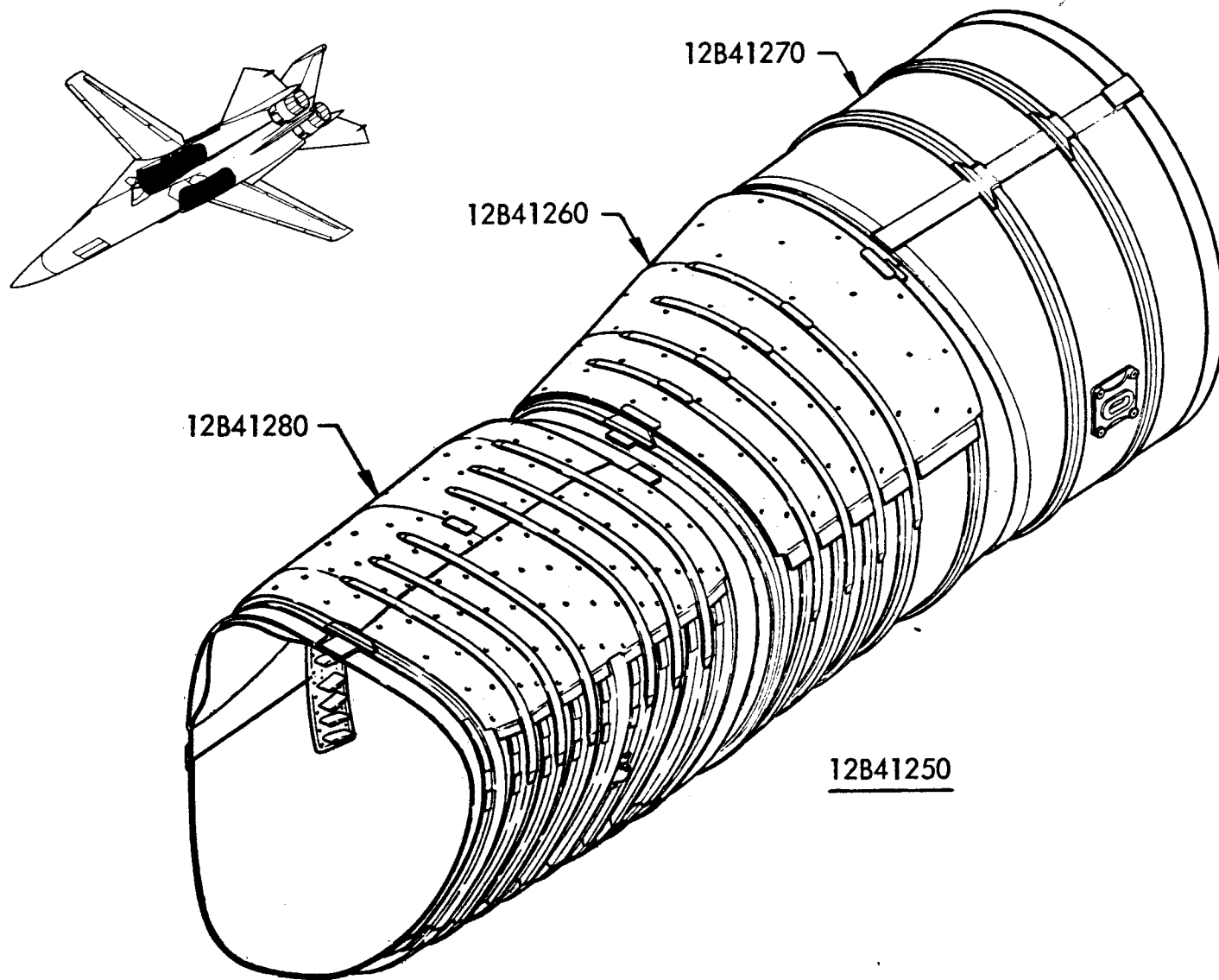


Figure 4-48 INLET DUCT, STA. 496-592 (F-111E: A1 160 and on; FB-111A: B1 3 and on)

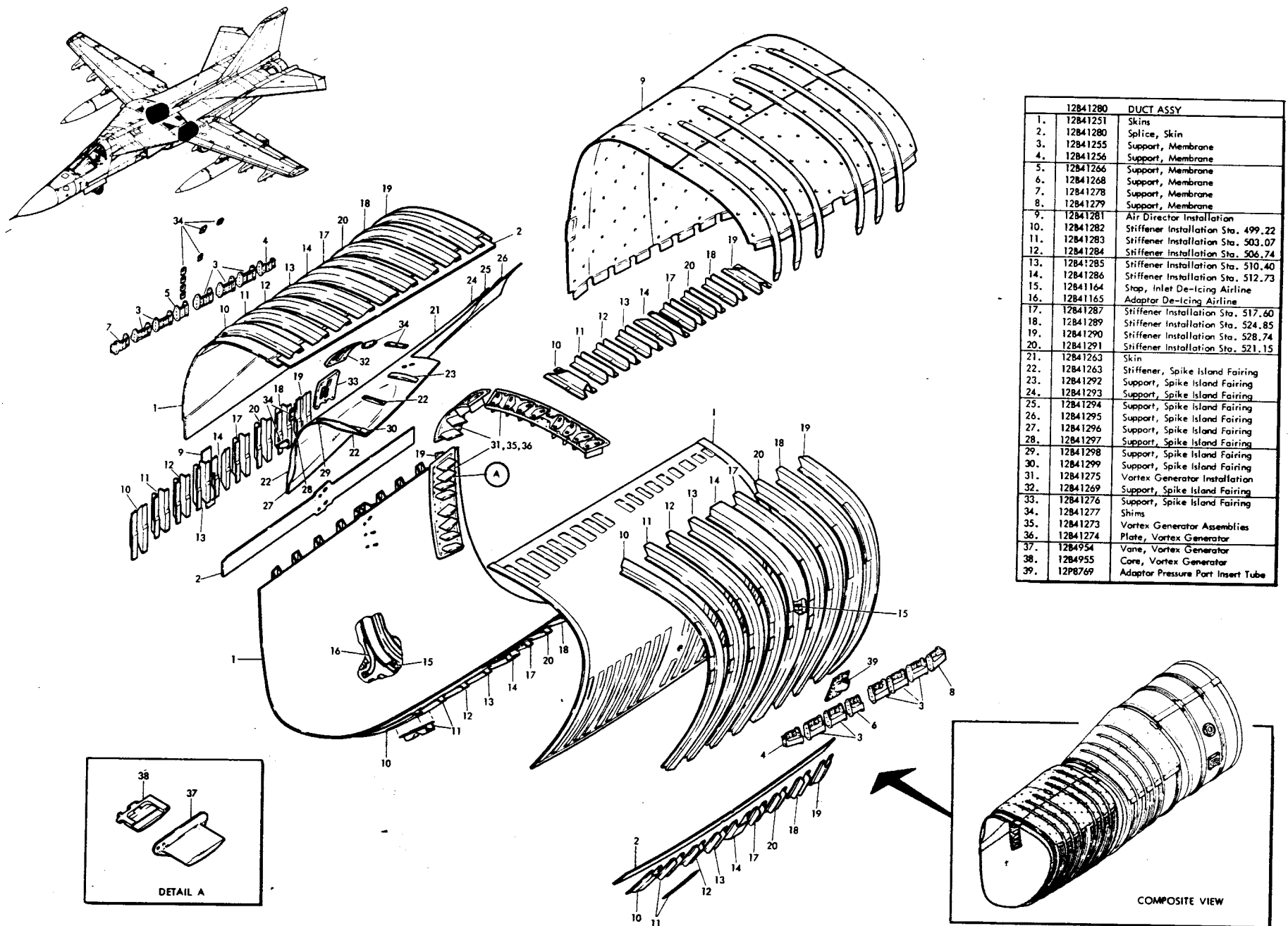


Figure 4-48A AFT CENTER FUSELAGE - FWD DUCT ASSY (F-111E: A1 160-On; FB-111A: B1 3-On)

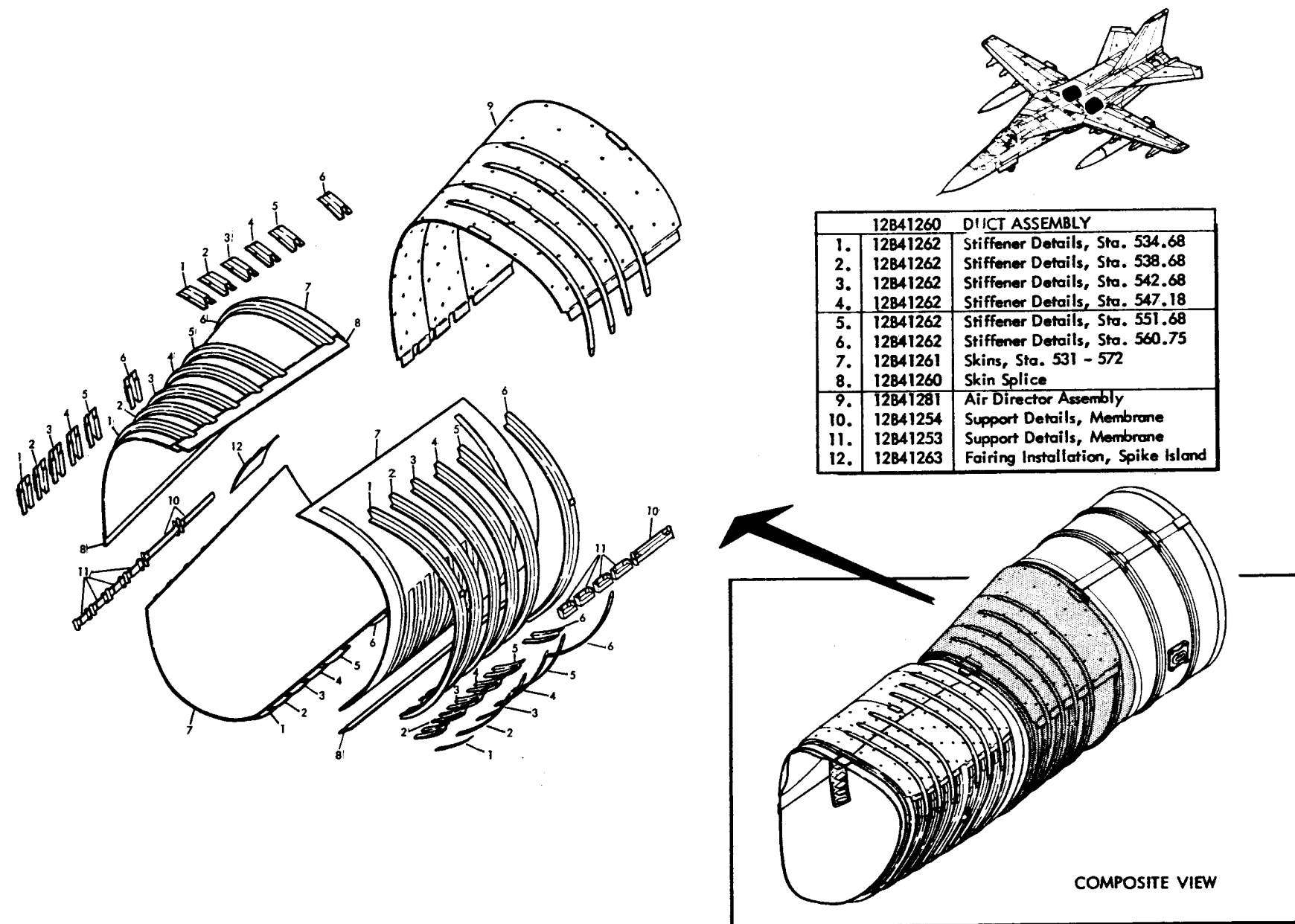


Figure 4-49 AFT CENTER FUSELAGE - MID DUCT ASSEMBLY (F-111E: A1 160-On;
FB-111A: B1 3-On)

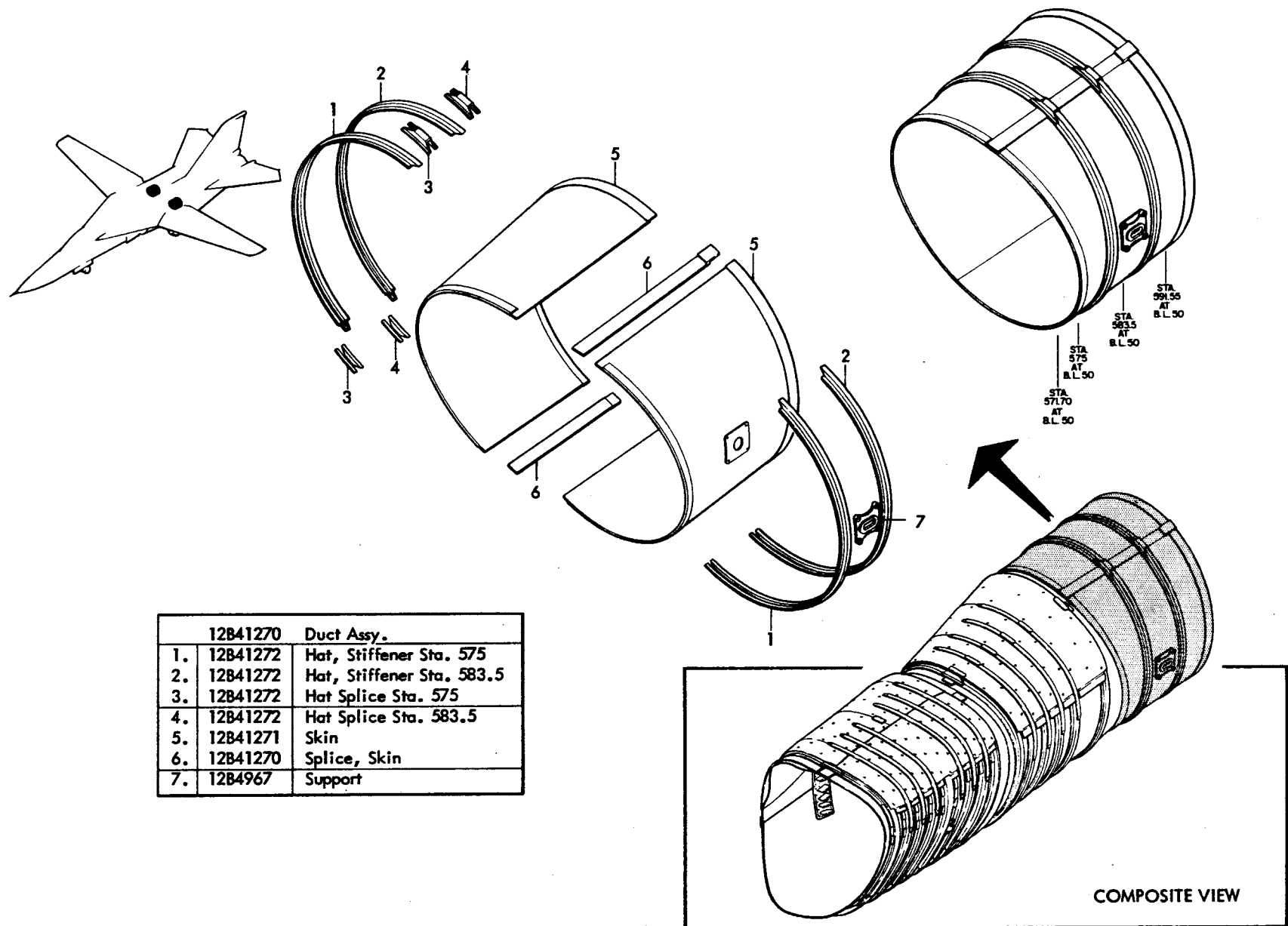


Figure 4-50 AFT CENTER FUSELAGE - AFT DUCT ASSEMBLY (FB-111A: B1 3-On; F-111E: A1 160-On)

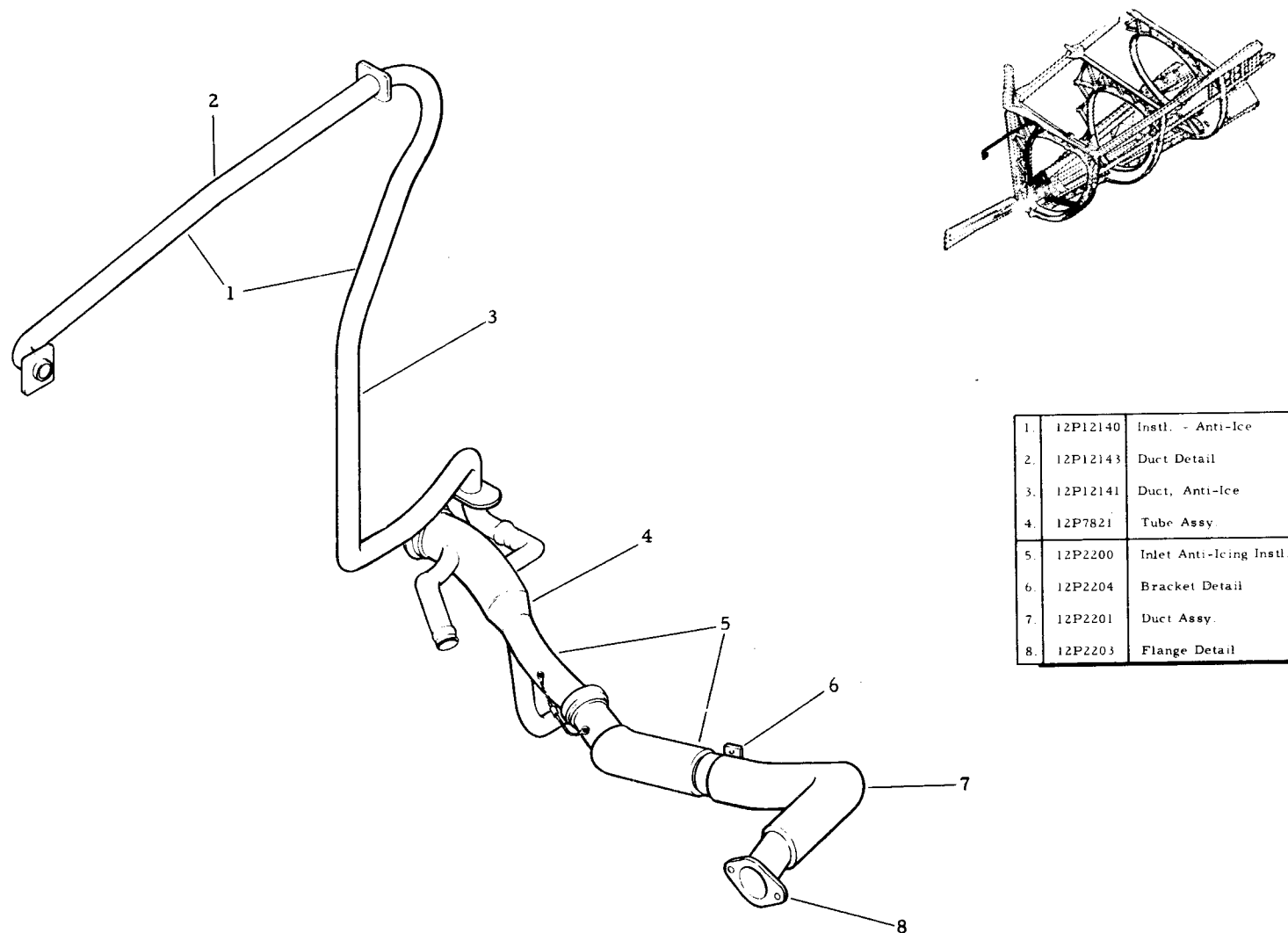


Figure 4-51 FB-111/F-111E AFT CENTER FUSELAGE - ANTI-ICE INSTALLATION
(Bomber 3 and On, TAC 160 and On)

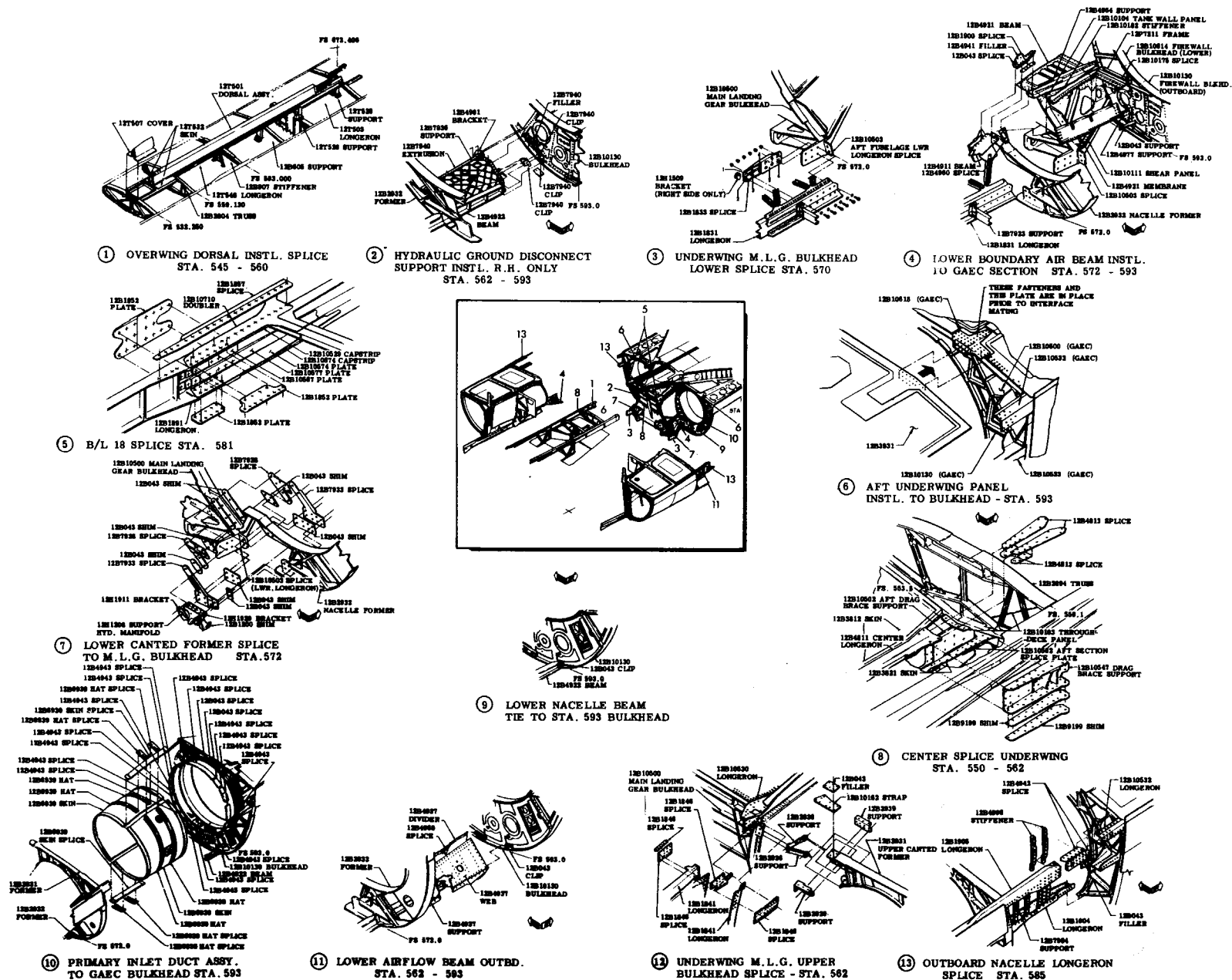


Figure 4-52 F-111A FUSELAGE MATING DETAIL (ITEM 81) (TAC 31 thru 159)

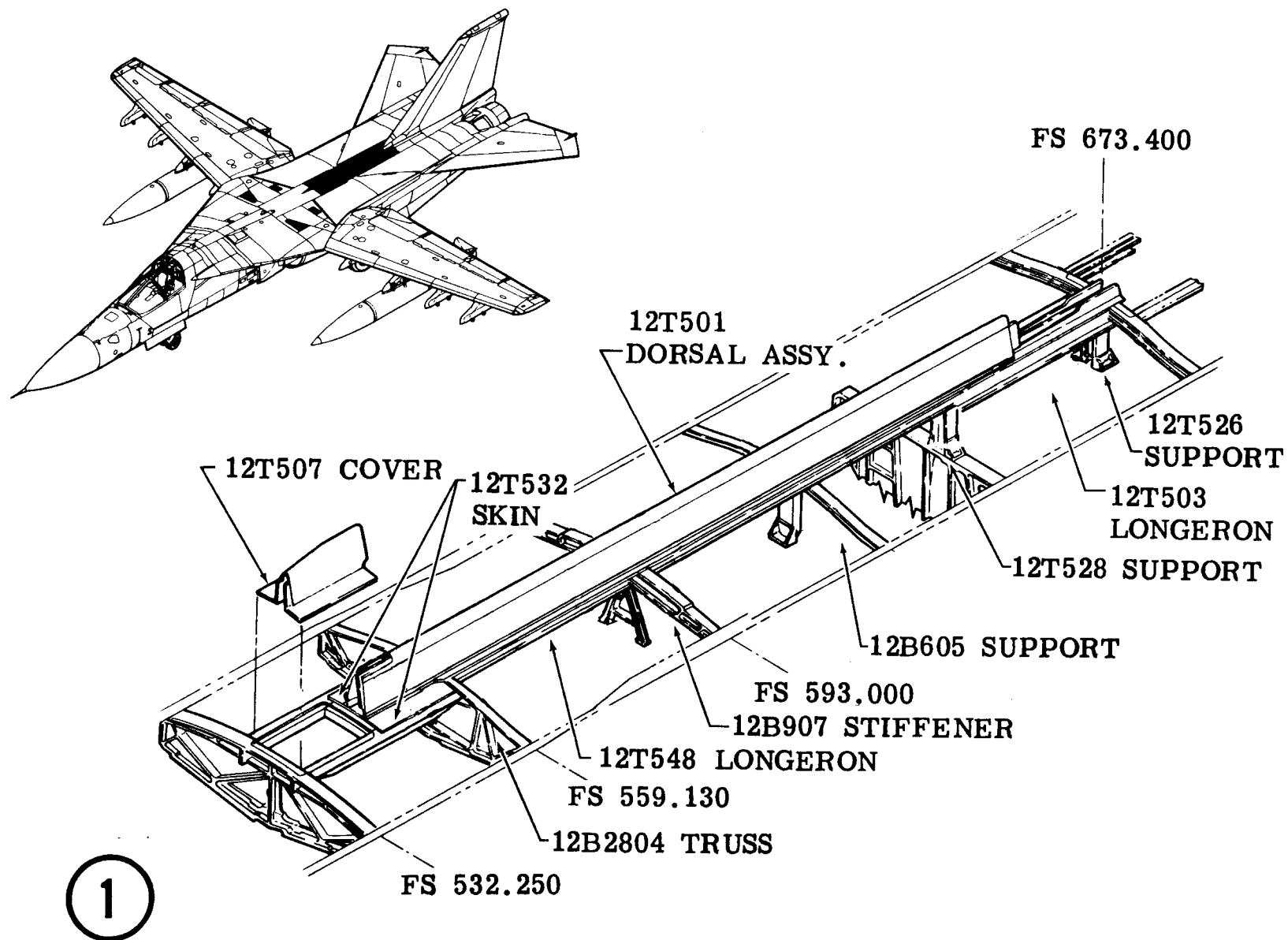


Figure 4-53 F-111A MATING DETAILS (ITEM 81) OVERWING DORSAL
INSTALLATION SPI STATION 545 TO 560 (TAC 31 thru 159)

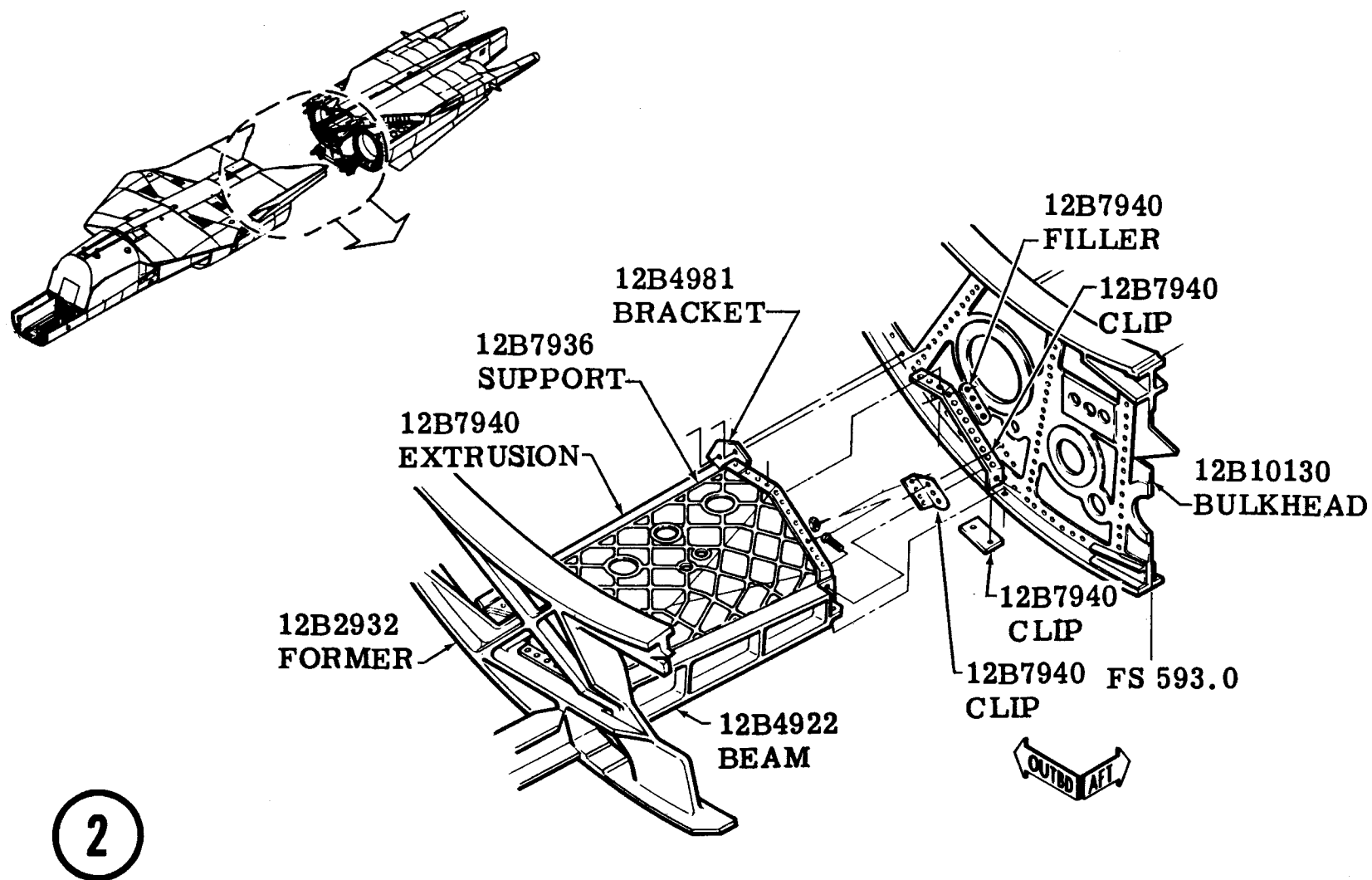
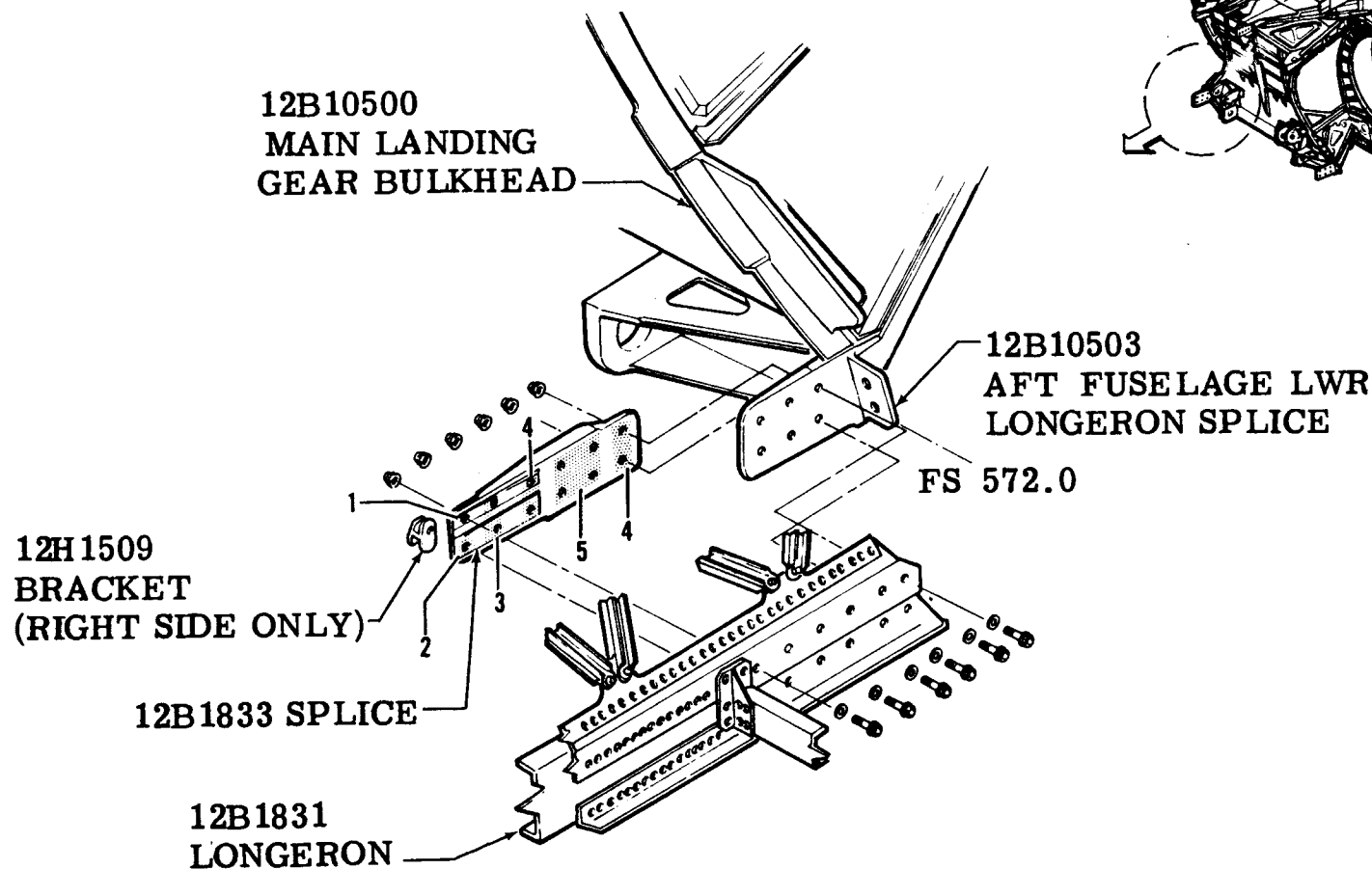
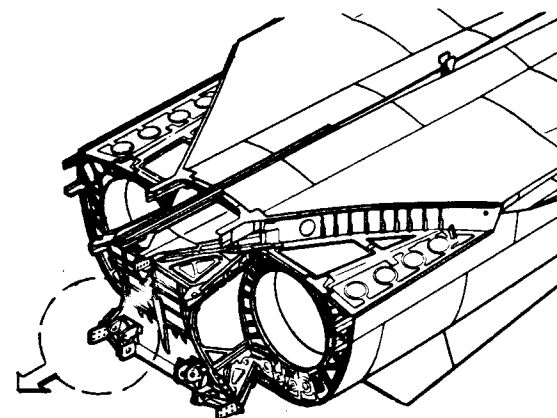


Figure 4-54 F-111A MATING DETAILS (ITEM 81) HYDRAULIC GROUND DISCONNECT
SUPPORT INSTALLATION (RIGHT HAND ONLY) (TAC 31 thru 159)



3

Figure 4-55 F-111A MATING DETAILS (ITEM 81) UNDERWING MAIN LANDING
GEAR BULKHEAD LOWER SPLICE STATION 570.0 (TAC 31 thru 159)

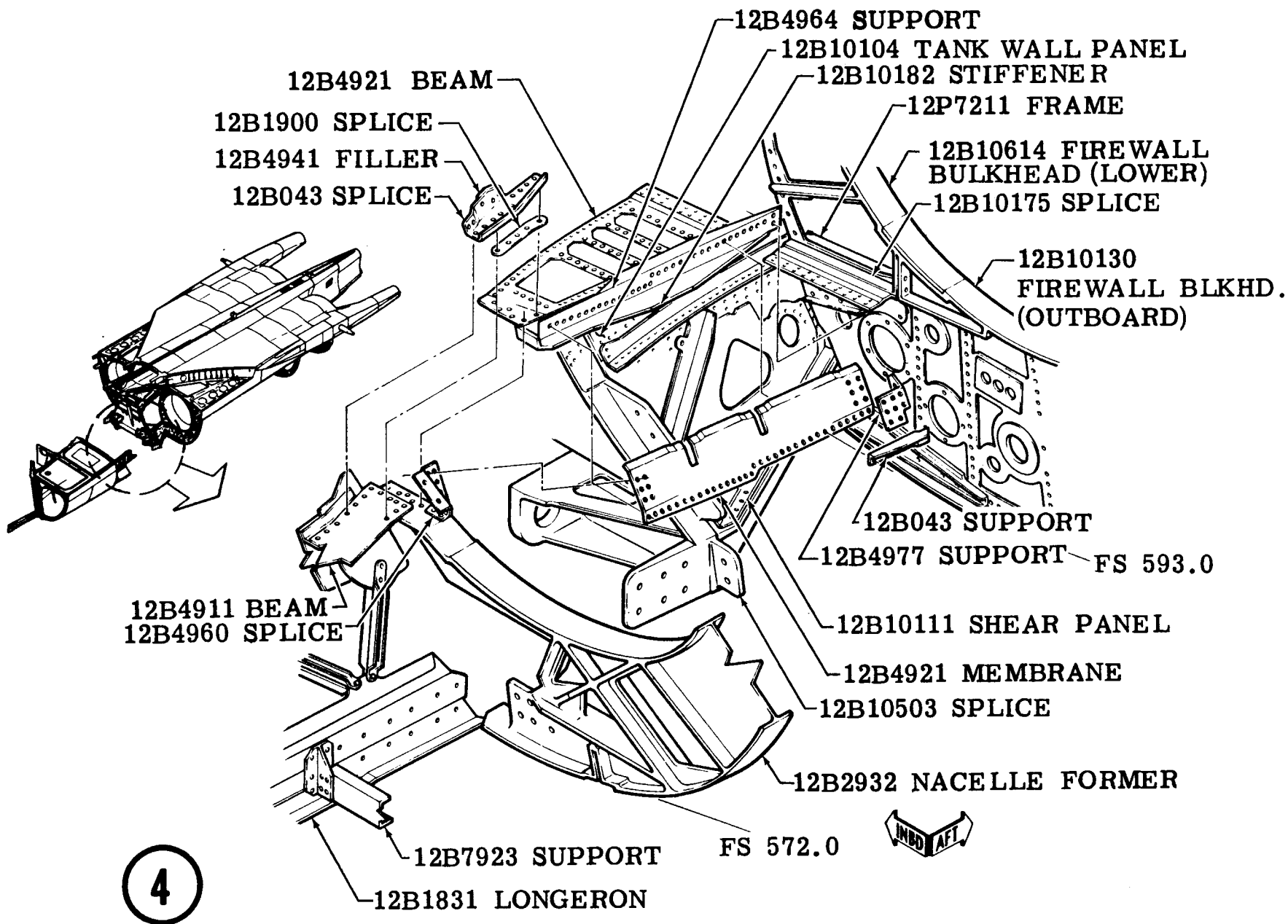
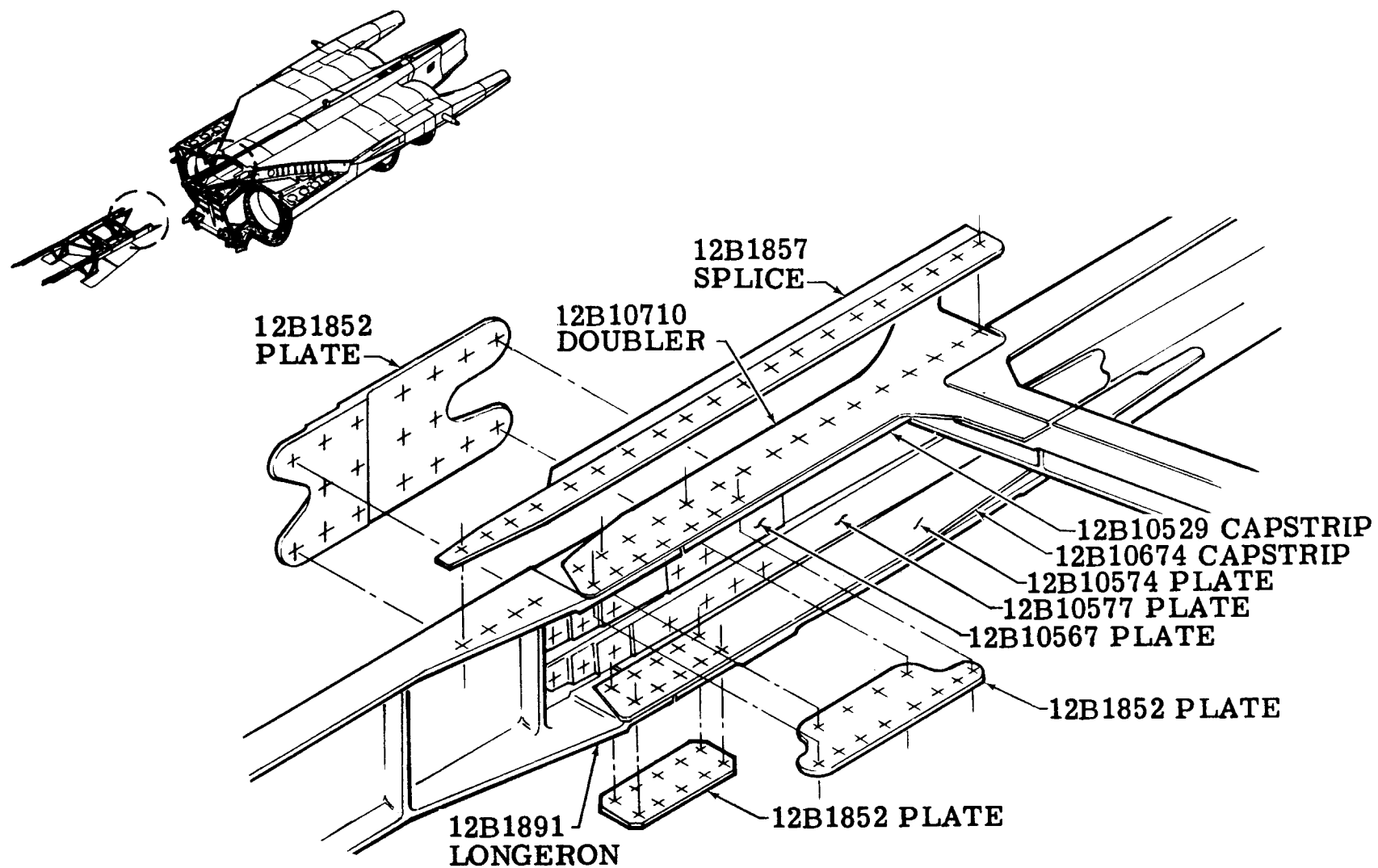


Figure 4-56 F-111A MATING DETAILS (ITEM 81) (TAC 31 thru 159)



5

Figure 4-57 F-111A MATING DETAILS (ITEM 81) B/L 18 SPLICE STATION 581
(TAC 31 thru 159)

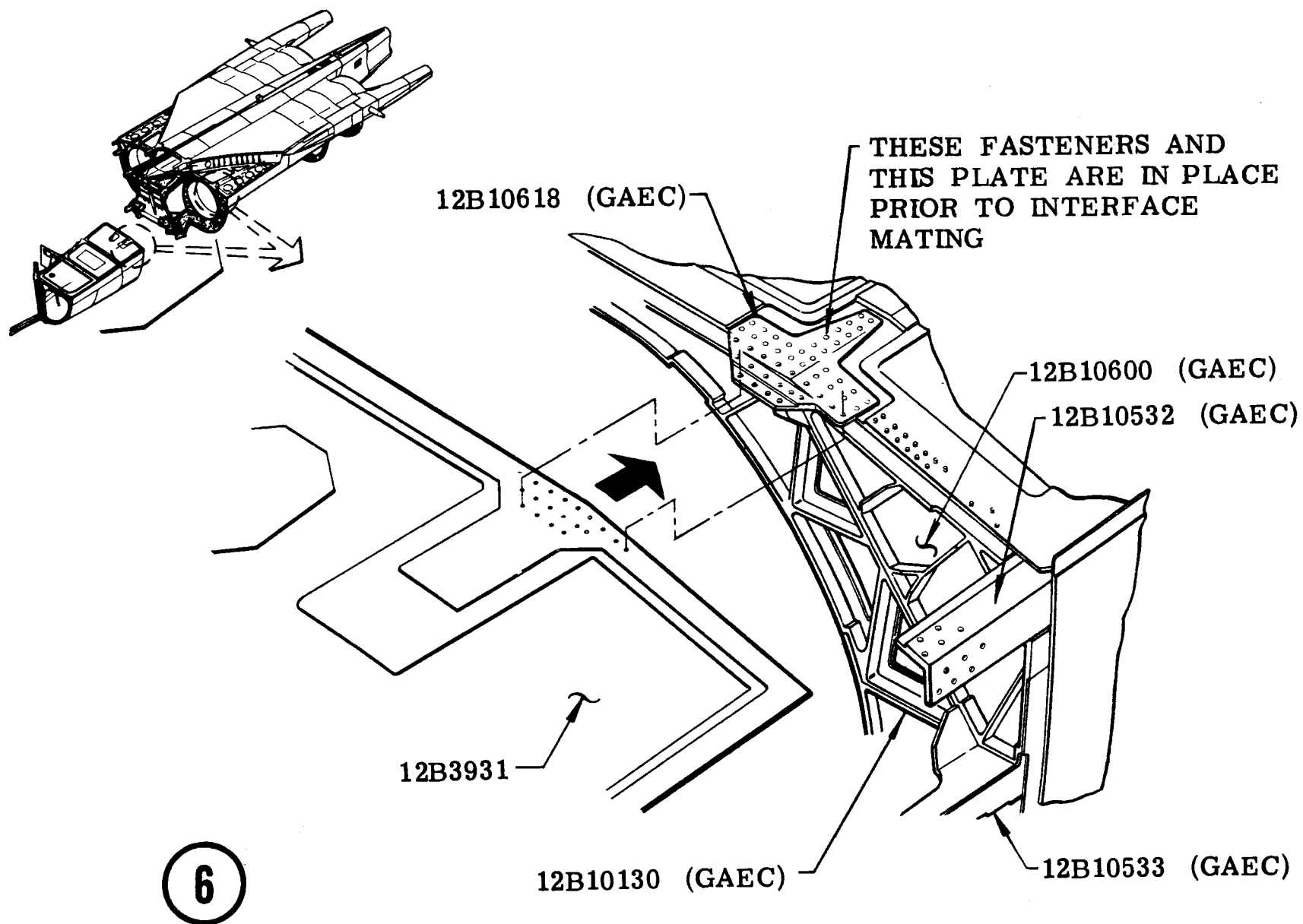
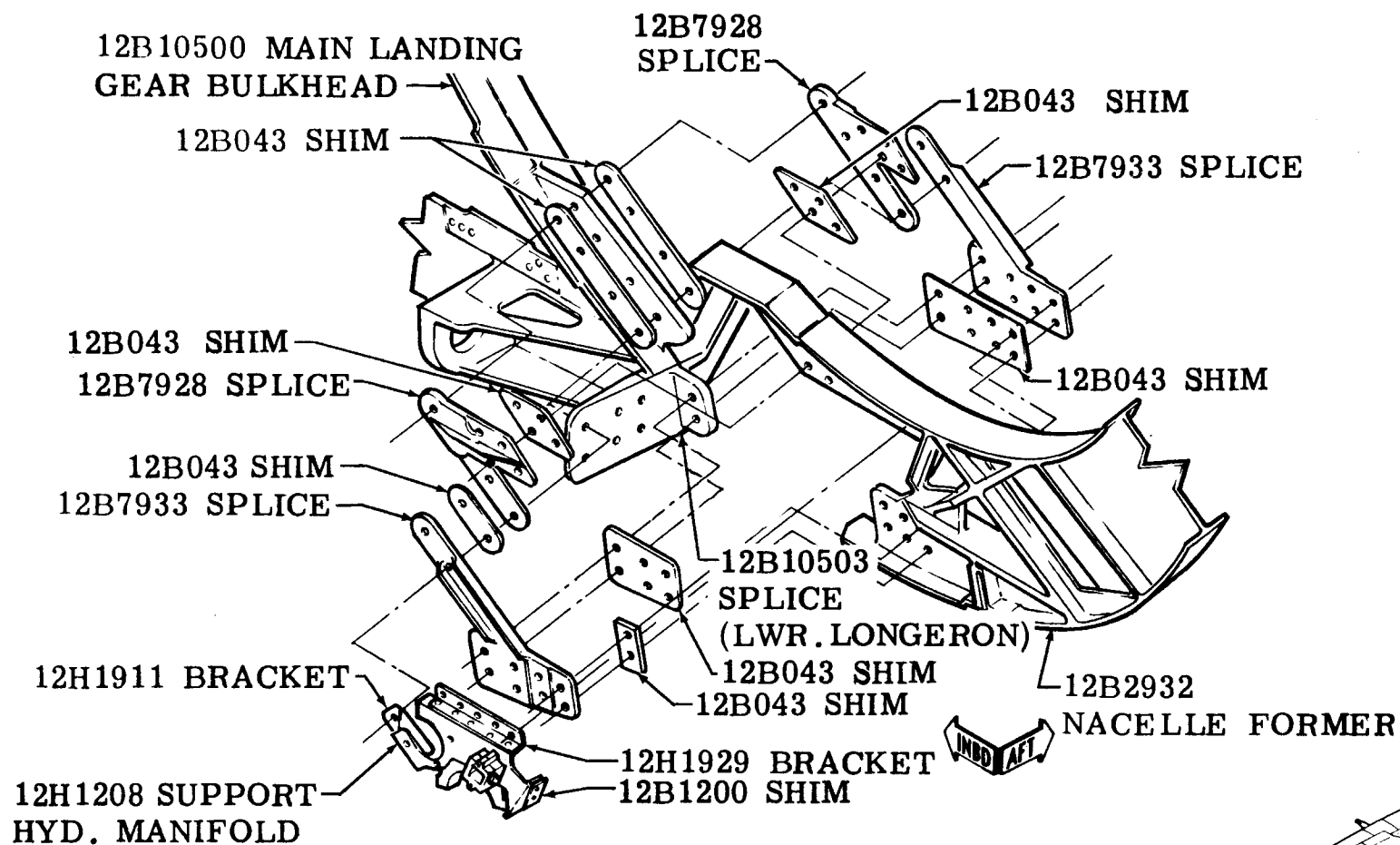


Figure 4-58 F-111A MATING DETAILS (ITEM 81) AFT UNDERWING PANEL
INSTALLATION TO BULKHEAD STATION 593 (TAC 31 thru 159)



7

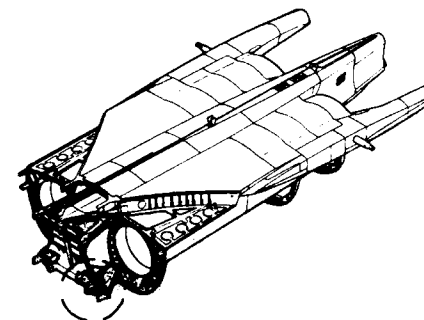


Figure 4-59 F-111A MATING DETAILS (ITEM 81) LOWER CANTED FORMER SPLICE TO MAIN LANDING GEAR BULKHEAD STATION 572 (TAC 31 thru 159)

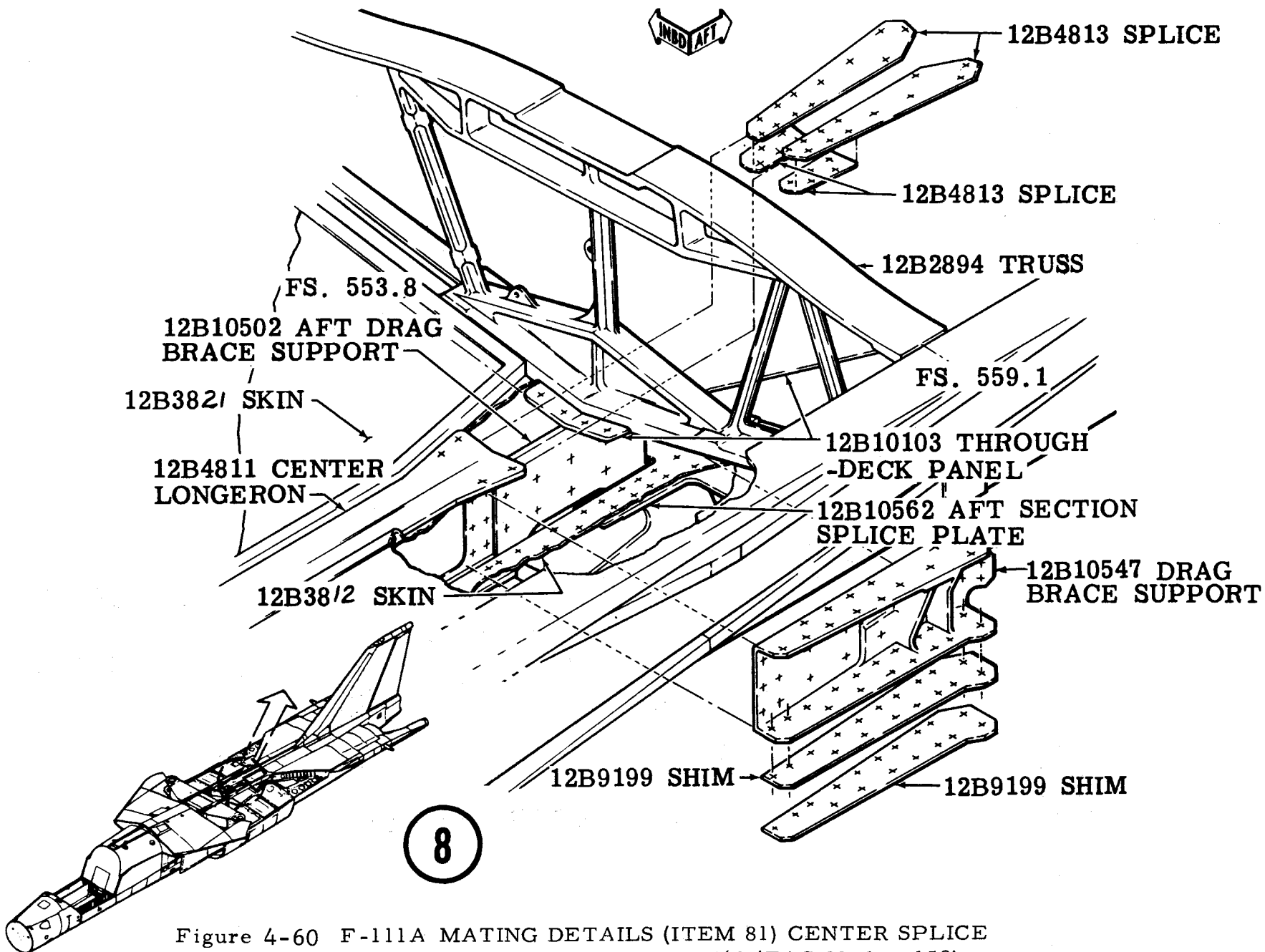


Figure 4-60 F-111A MATING DETAILS (ITEM 81) CENTER SPLICE
UNDERWING STATION 550 TO 562 (TAC 31 thru 159)

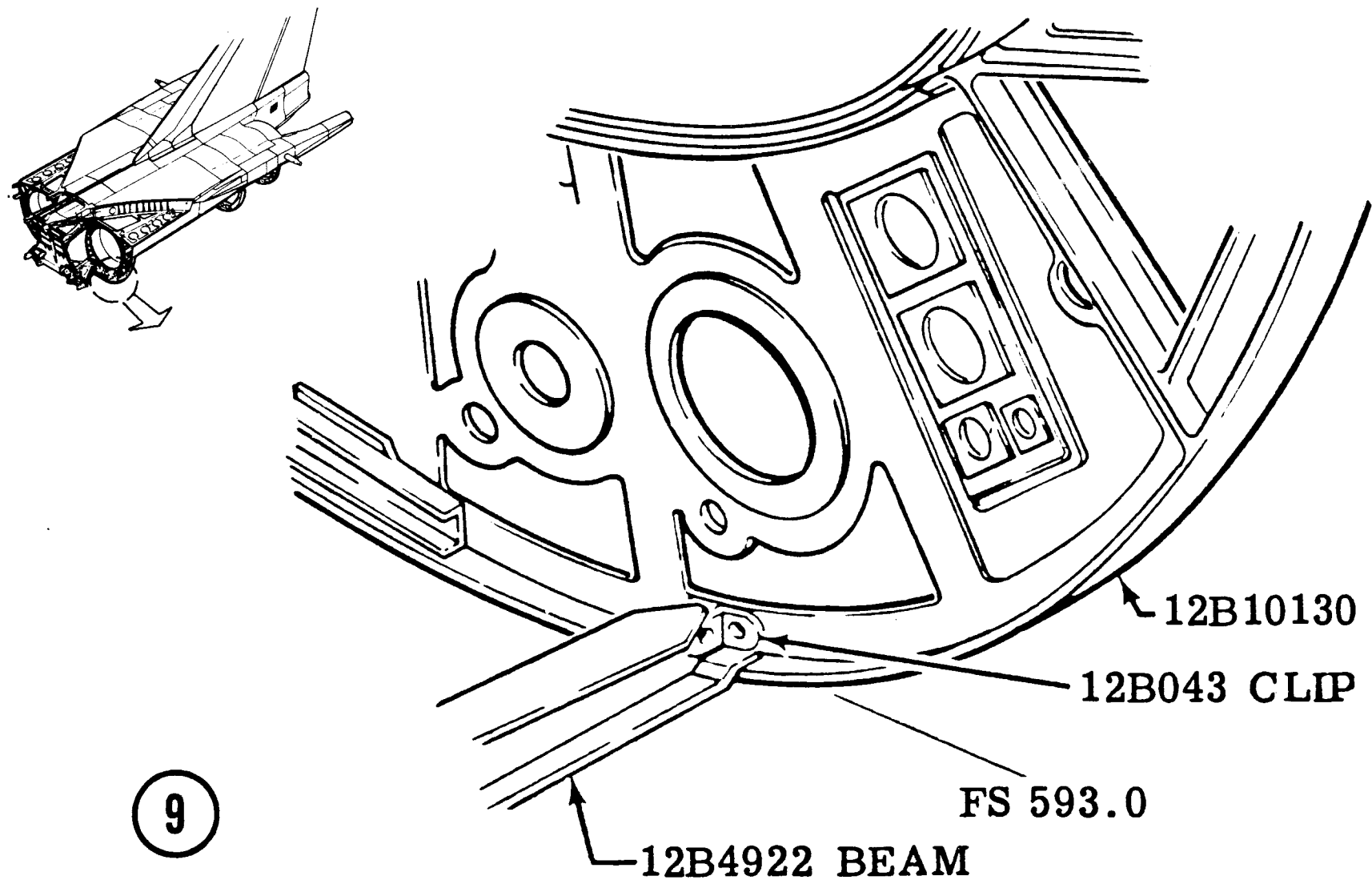


Figure 4-61 F-111A MATING DETAILS (ITEM 81) LOWER NACELLE
BEAM TIE TO STATION 593 BULKHEAD (TAC 31 thru 159)

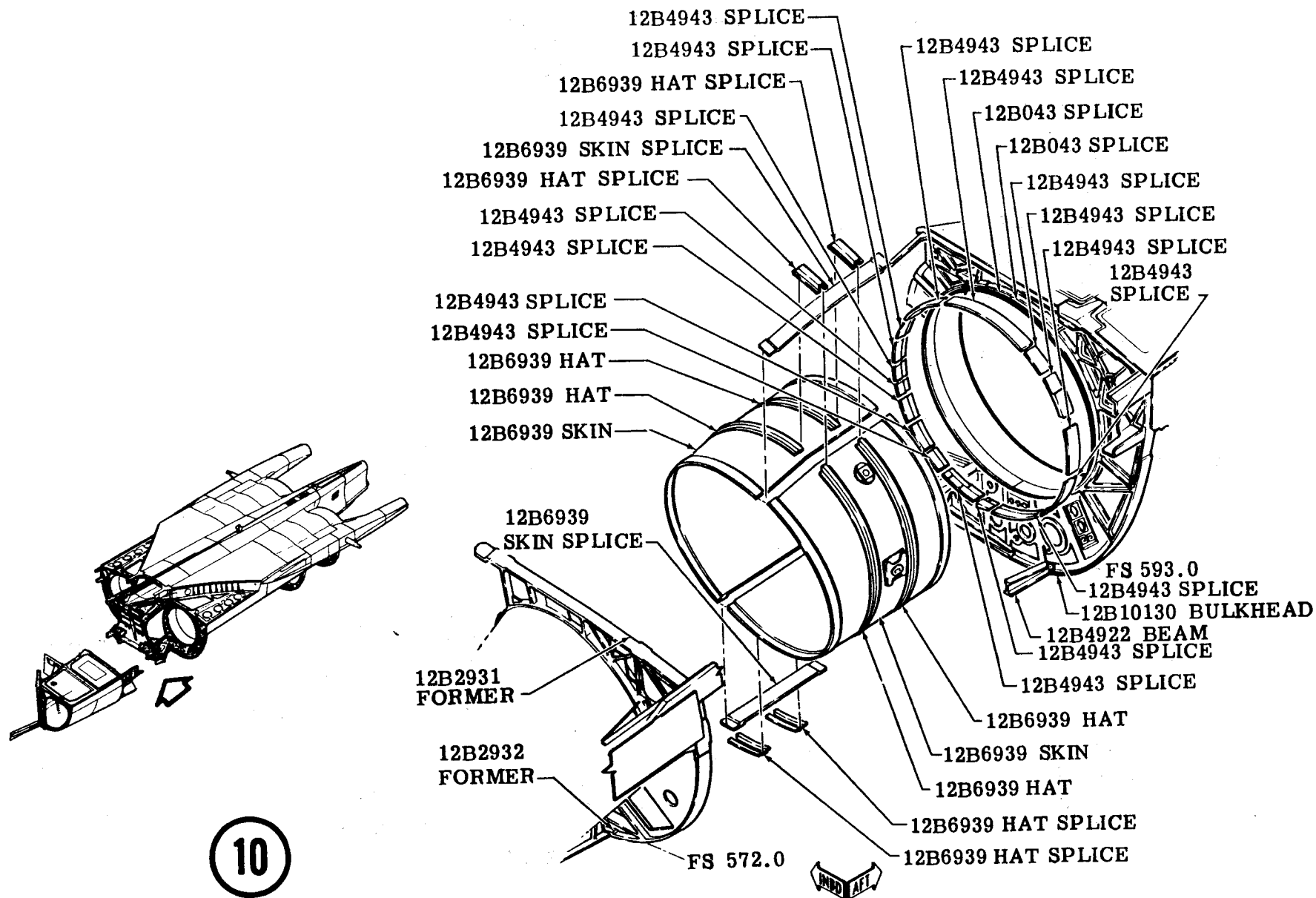


Figure 4-62 F-111A MATING DETAILS (ITEM 81) PRIMARY INLET DUCT
ASSEMBLY TO GAEC BULKHEAD STATION 593.0 (TAC 31 thru 159)

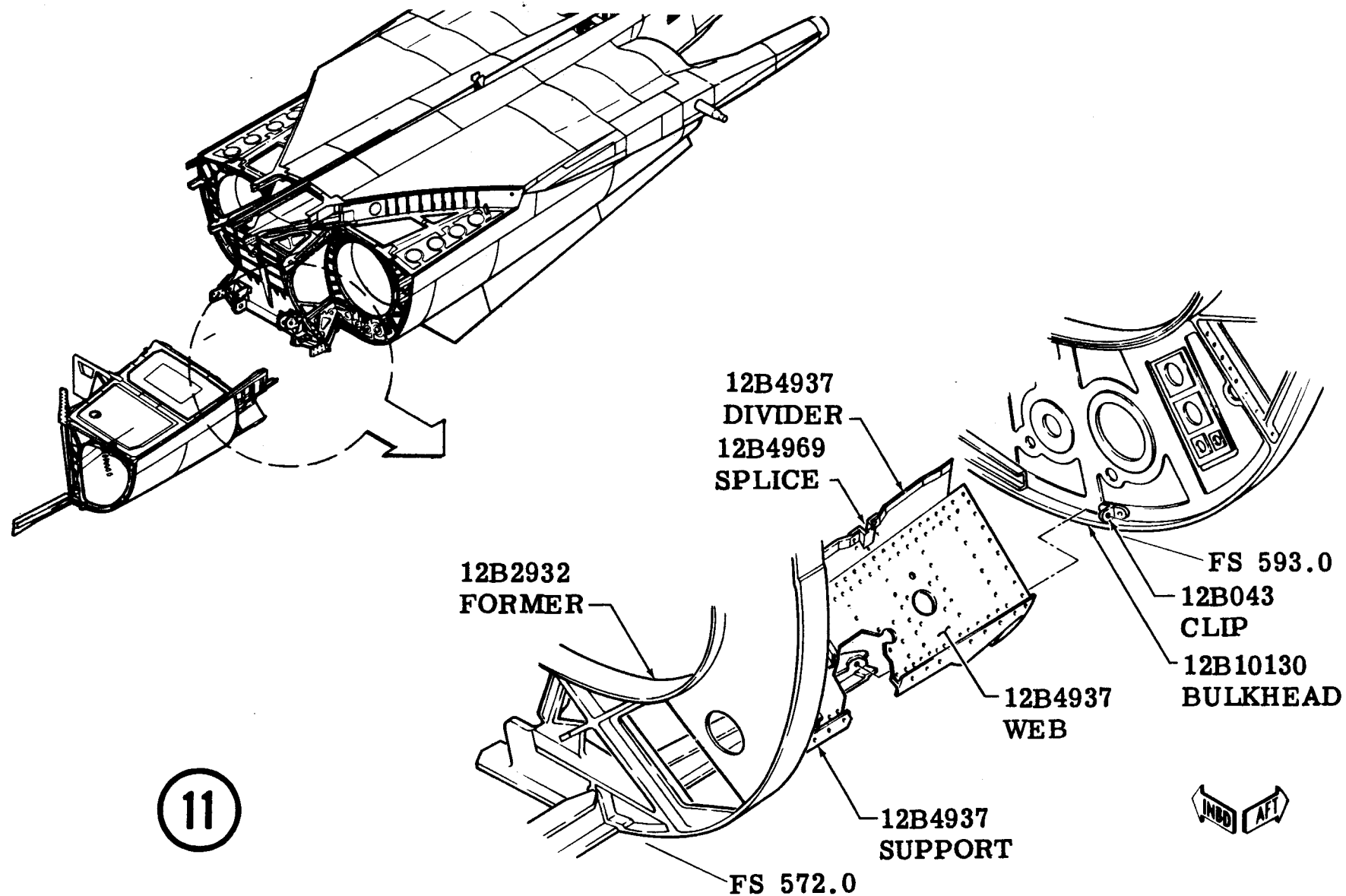


Figure 4-63 F-111A MATING DETAILS (ITEM 81) LOWER AIRFLOW BEAM-
OUTBOARD STATION 562 TO 593

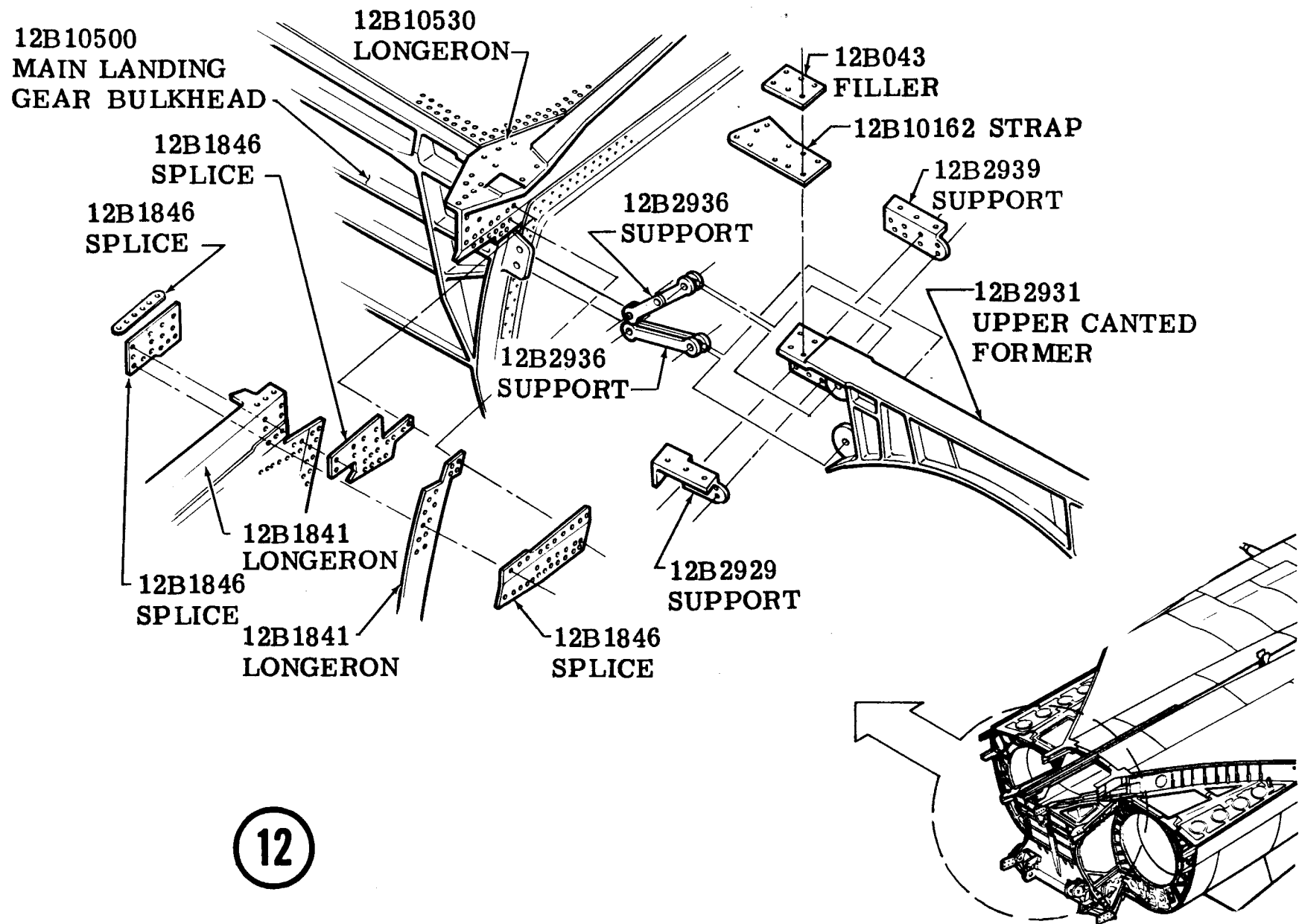


Figure 4-64 F-111A MATING DETAILS (ITEM 81) UNDERWING MAIN LANDING
GEAR UPPER BULKHEAD SPLICE STATION 562.00 (TAC 31 thru 159)

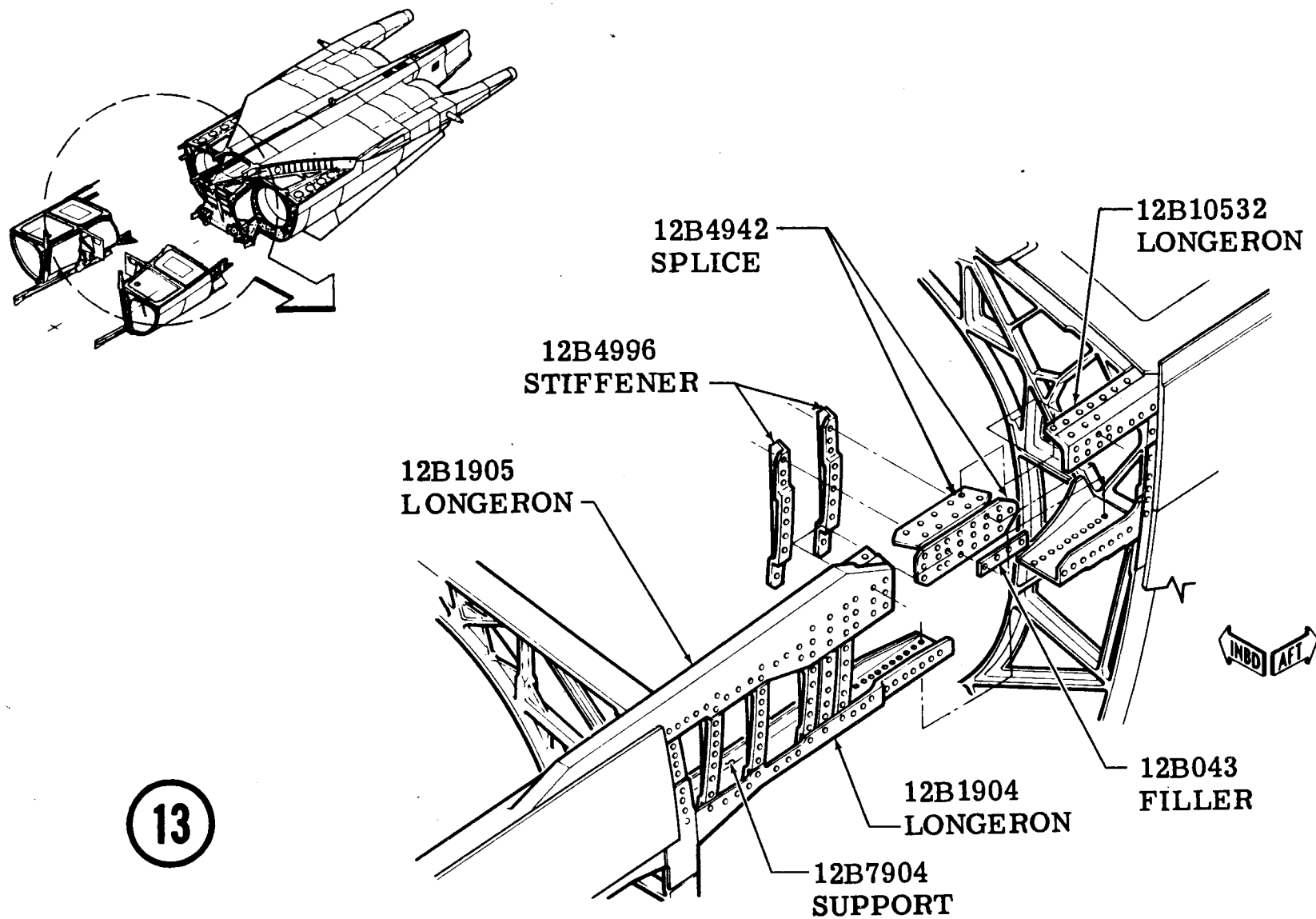


Figure 4-65 F-111A MATING DETAILS (ITEM 81) OUTBOARD UPPER NACELLE LONGERON SUPPORTS STATION 558.0 TO 593.0 (TAC 31 thru 159)

Volume II, Section Four

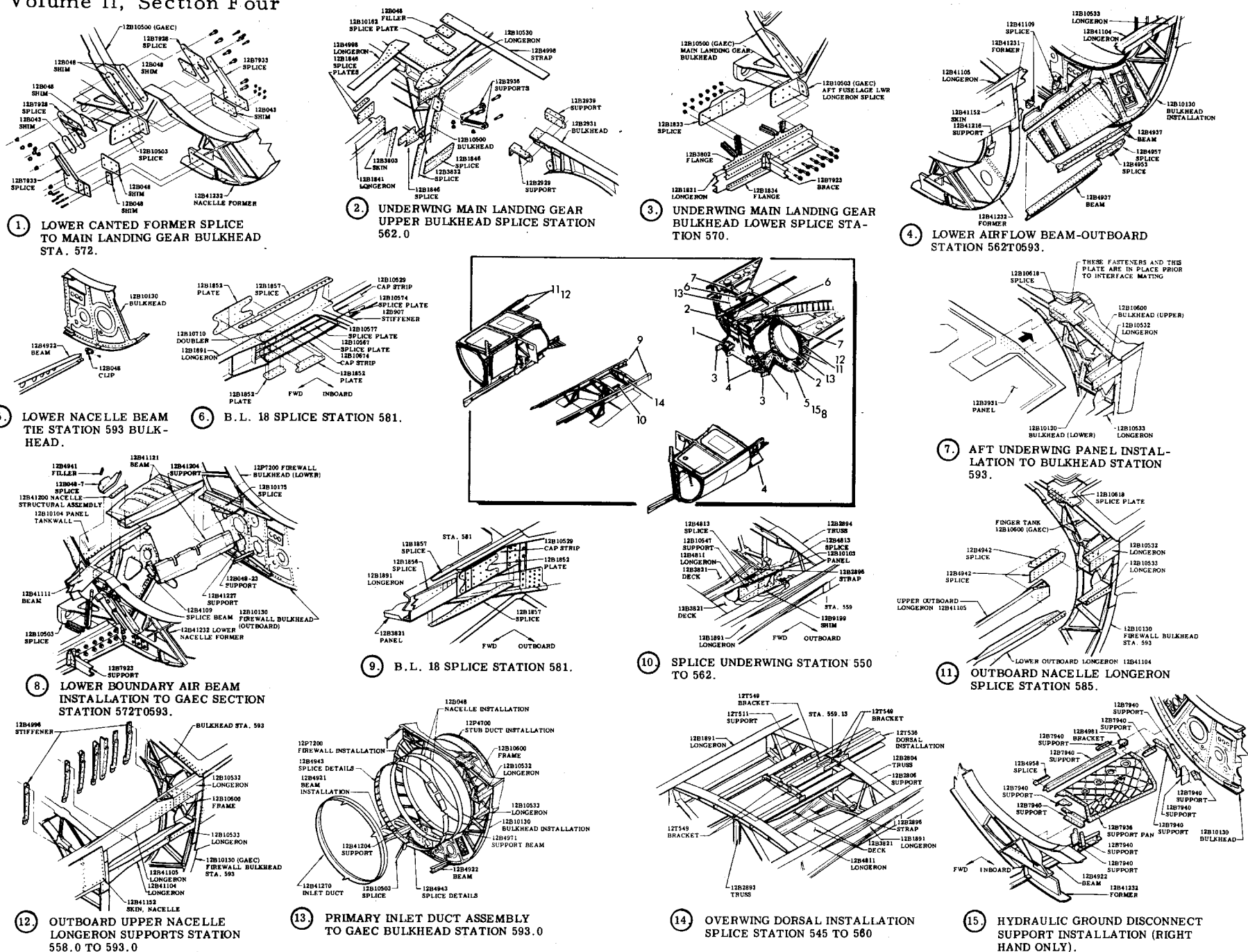


Figure 4-66 F-111E/FB-111 FUSELAGE MATING DETAIL (ITEM 81) TAC 160 and On;
Bomber 3 and On)

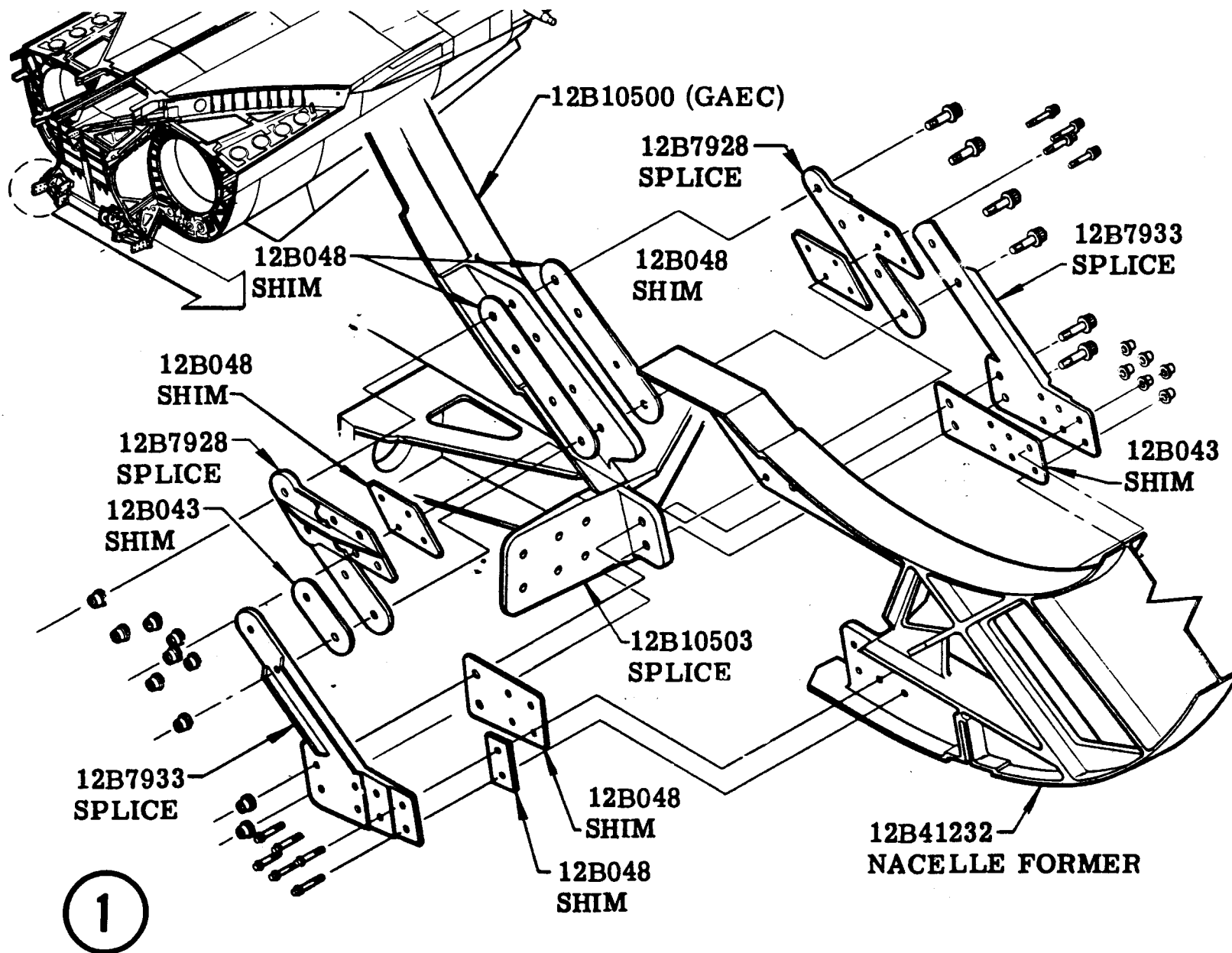


Figure 4-67 F-111E/FB-111 MATING DETAILS (ITEM 81) LOWER CANTED FORMER
SPLICE TO MAIN LANDING GEAR BULKHEAD STATION 572.0
(TAC 160 and On; Bomber 3 and On)

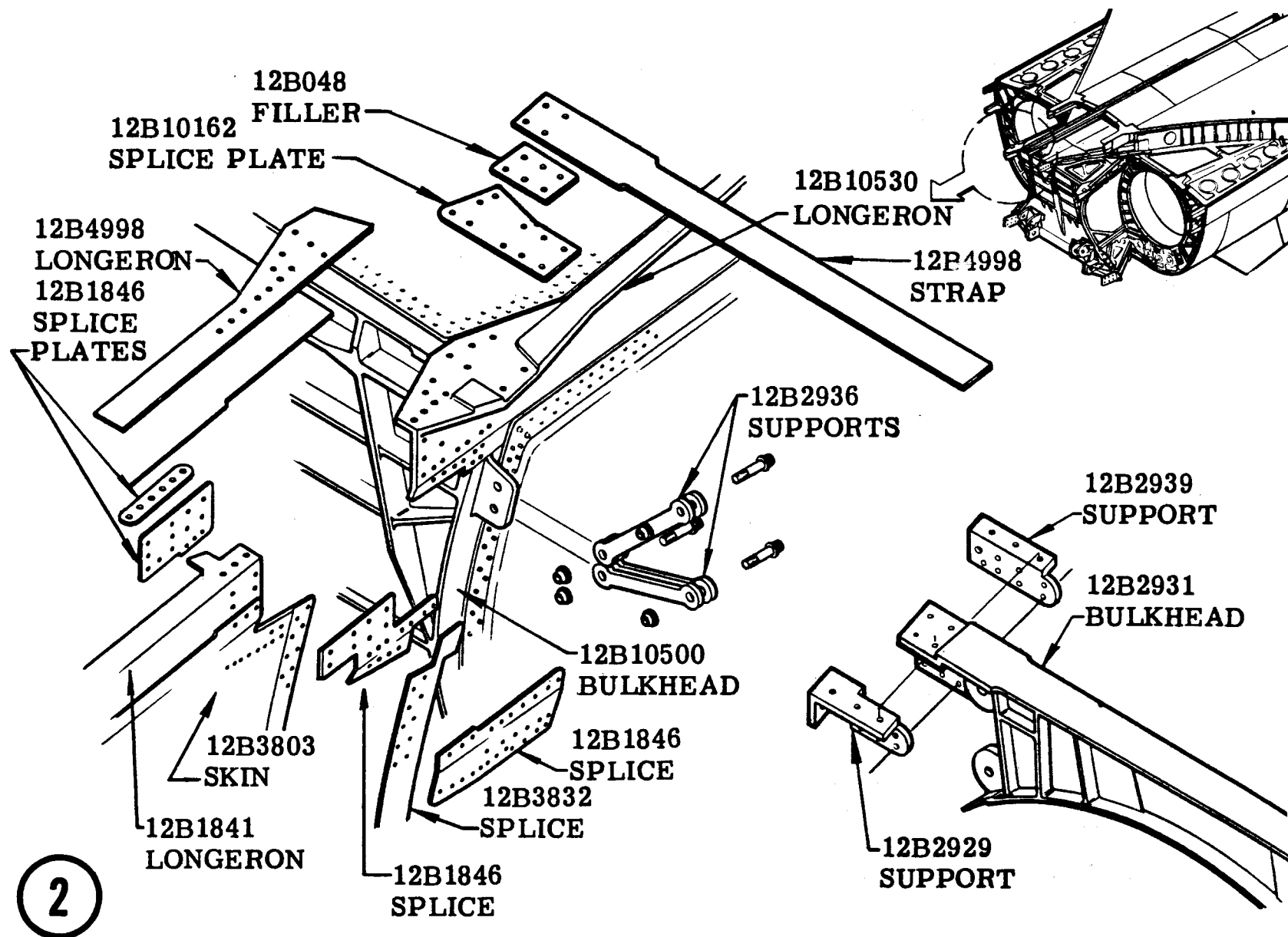


Figure 4-68 F-111E/FB-111 MATING DETAILS (ITEM 81) UNDERWING MAIN LANDING GEAR UPPER BULKHEAD SPLICE STATION 562.0 (TAC 160 and On; Bomber 3 and On)

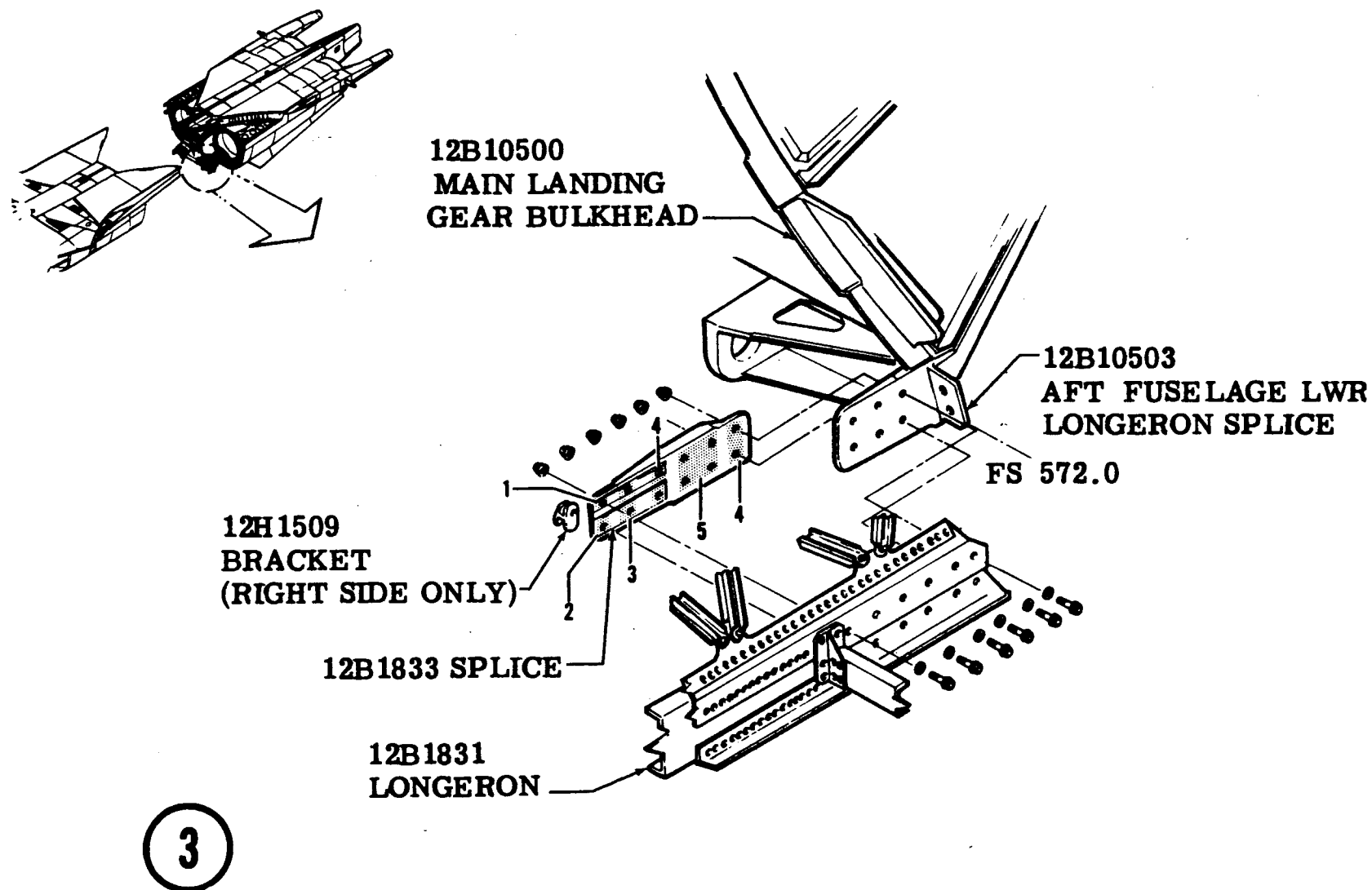


Figure 4-69 F-111E/FB-111 MATING DETAILS (ITEM 81) UNDERWING MAIN
LANDING GEAR BULKHEAD LOWER SPLICE STATION 570.0
(TAC 160 and On; Bomber 3 and On)

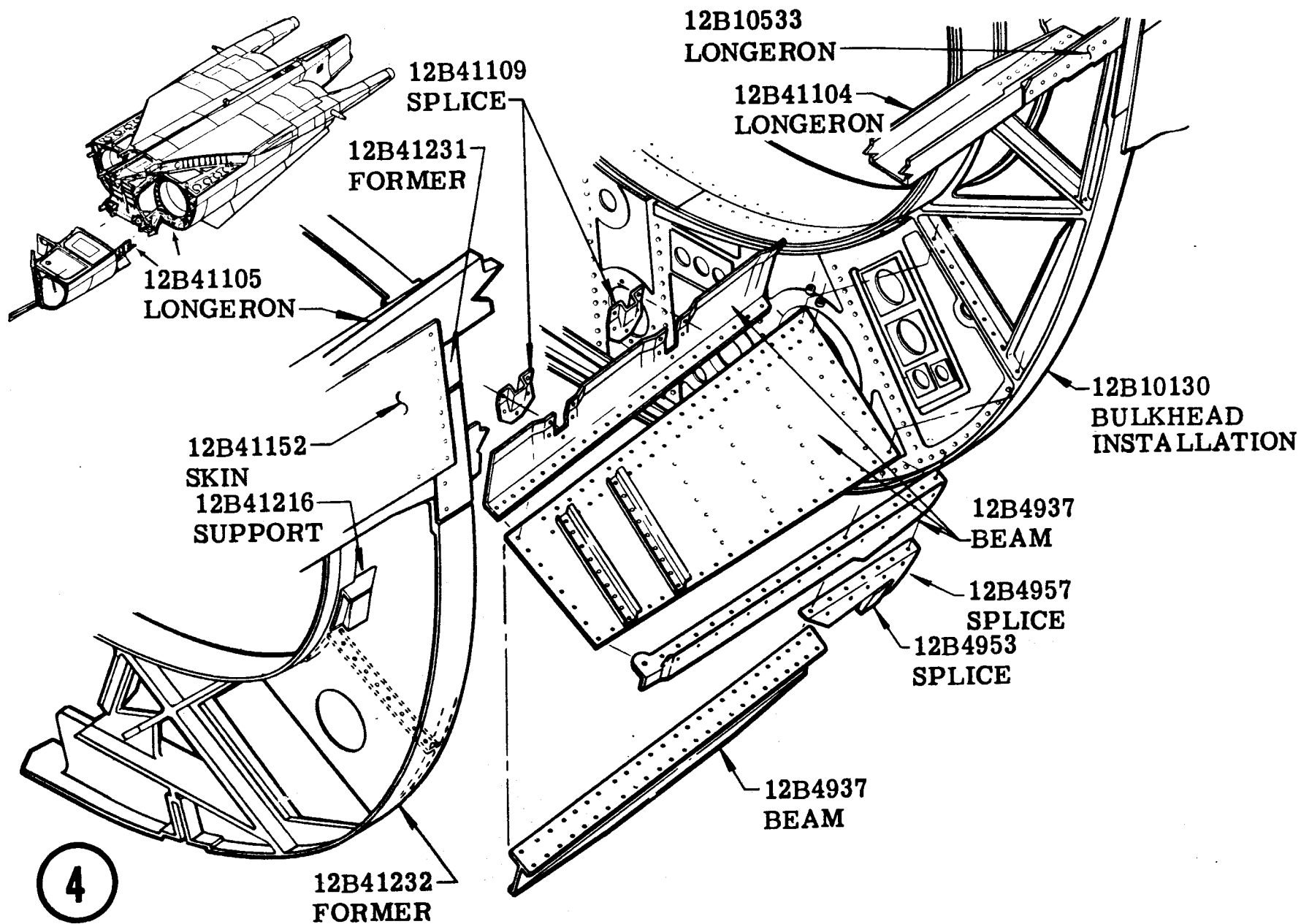


Figure 4-70 F-111E/FB-111 MATING DETAILS (ITEM 81) LOWER AIRFLOW BEAM-OUTBOARD STATION 562 TO 593 (TAC 160 and On; Bomber 3 and On)

LOWER NACELLE BEAM TIE TO STA. 593 BULKHEAD

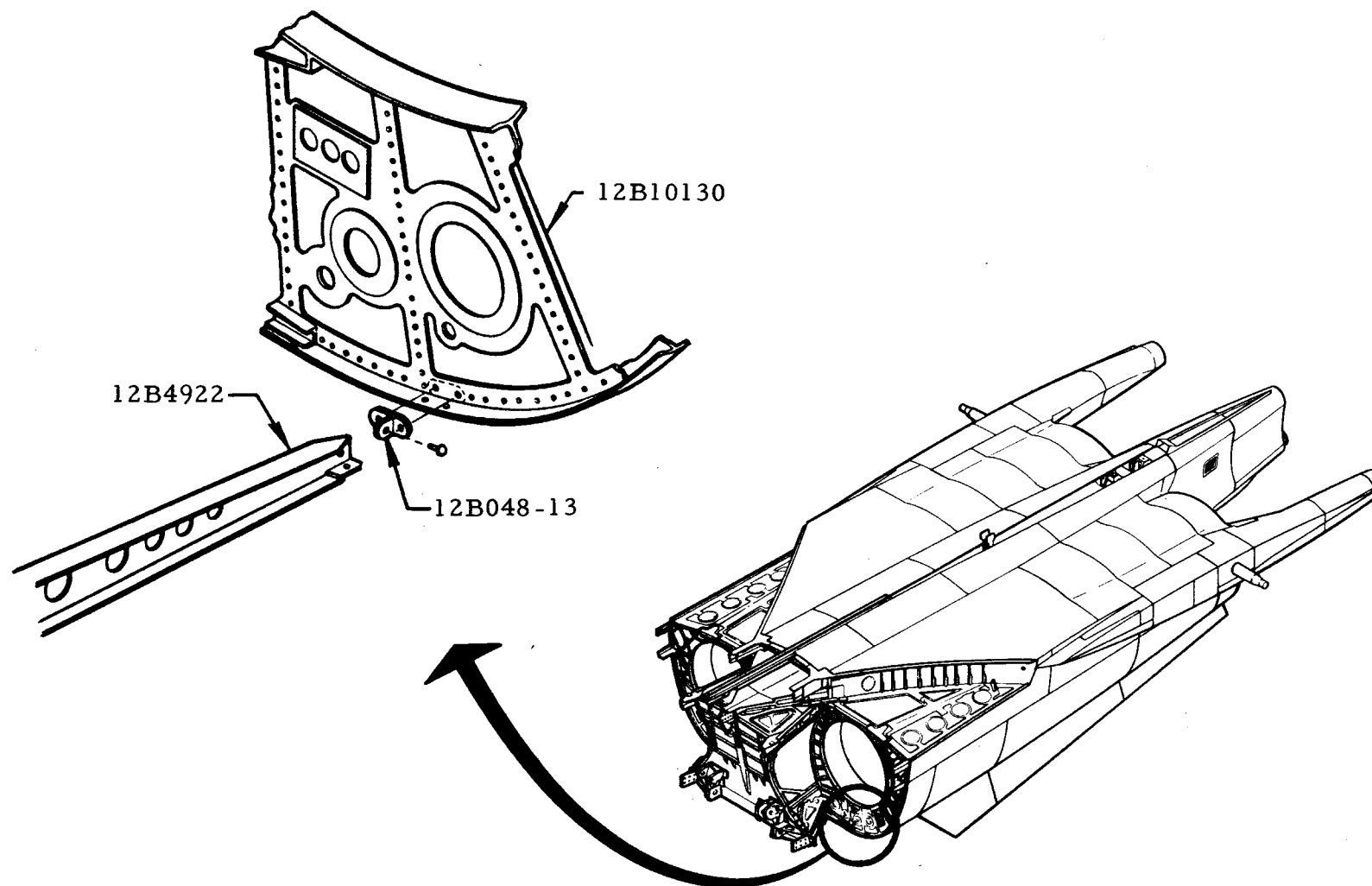
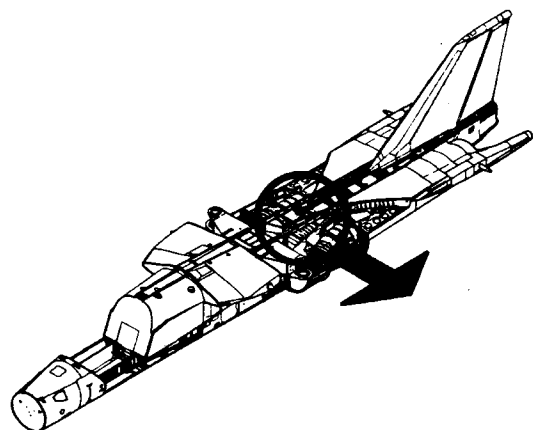


Figure 4-71 F-111E/FB-111 MATING DETAILS (ITEM 81) LOWER NACELLE BEAM TIE TO STATION 593 BULKHEAD (F-111E: A1 160-On; FB-111A: B1 3-On)



B.L. 18. SPLICE STATION 581

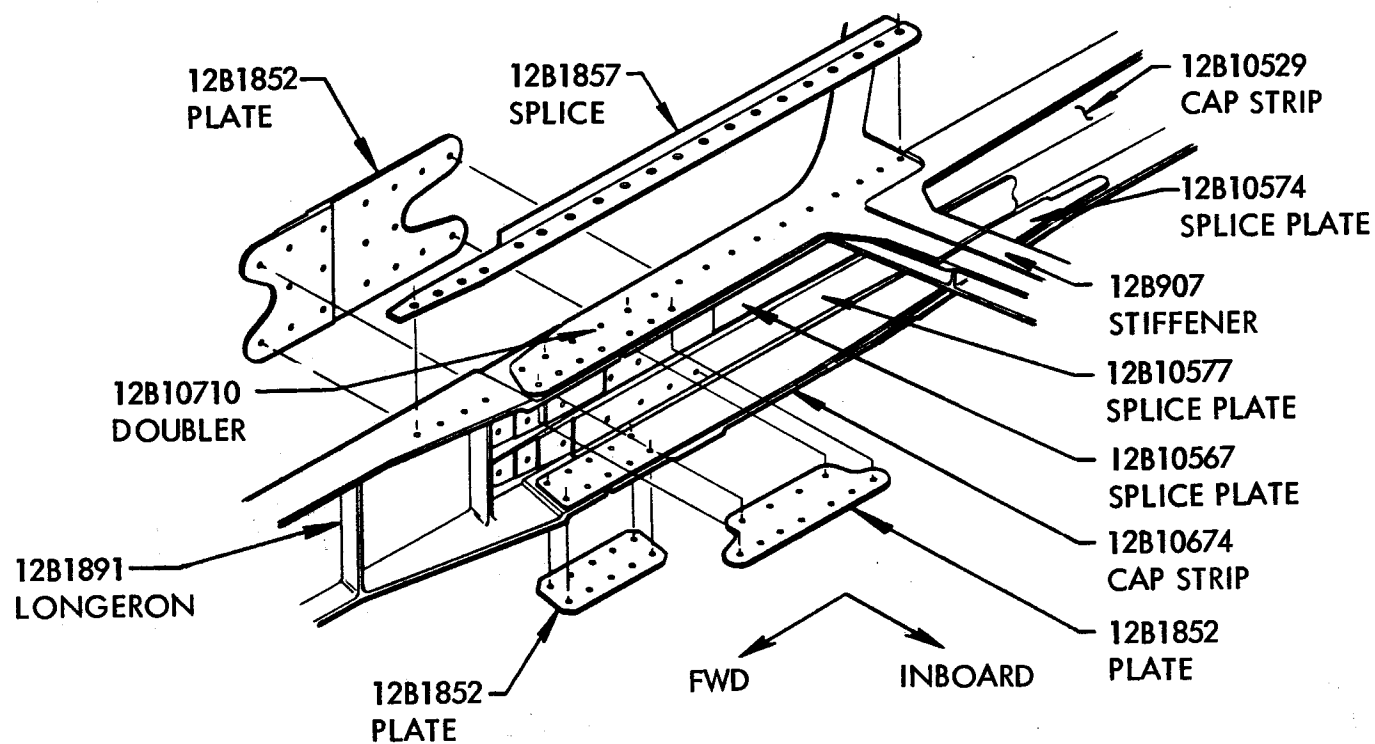


Figure 4-72 F-111E/FB-111 MATING DETAILS (ITEM 81) B.L. 18 SPLICE STATION 581
(F-111E: A1 160-On; FB-111A: B1 3-On)

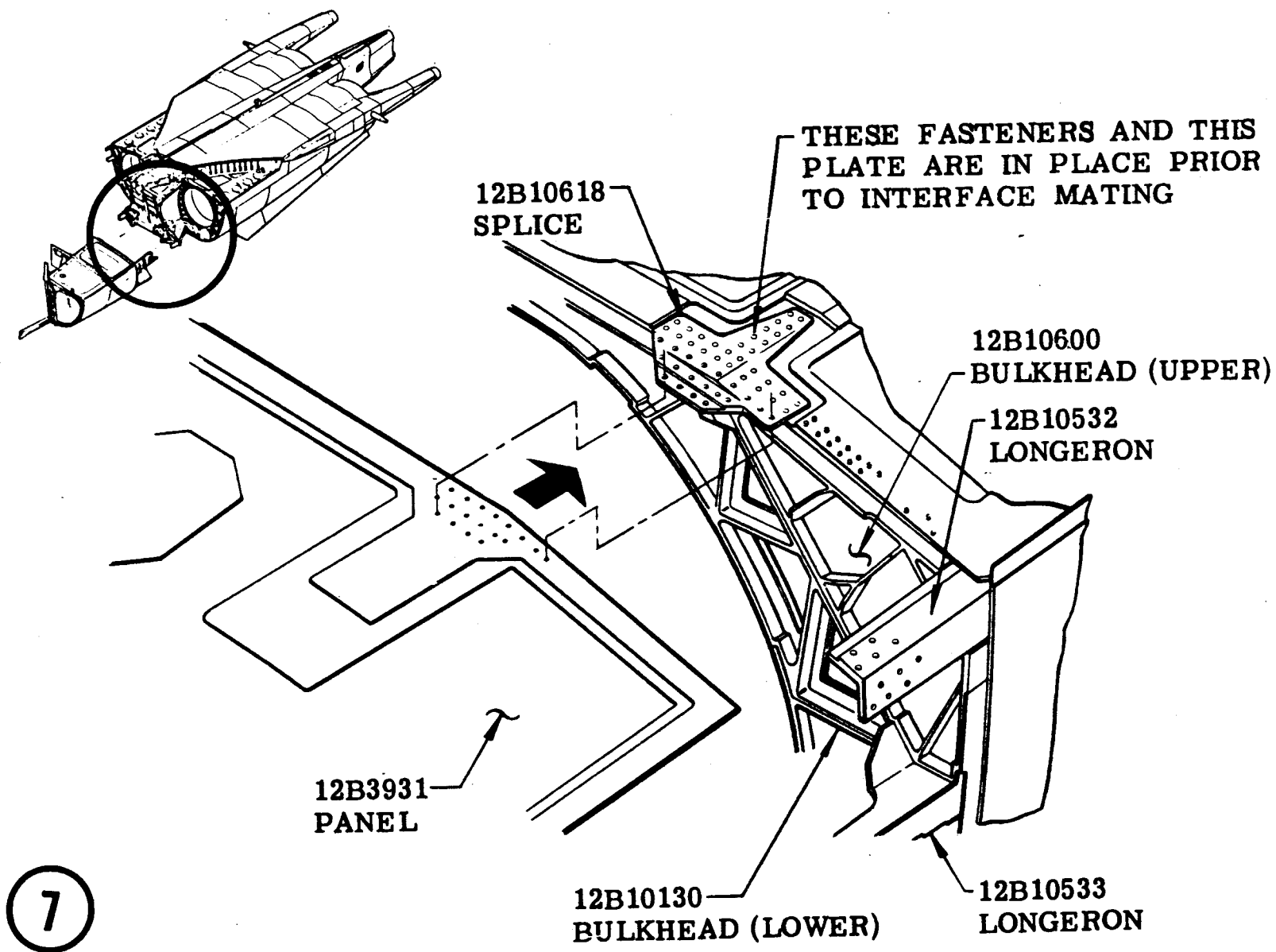


Figure 4-73 F-111E/FB-111 MATING DETAILS (ITEM 81) AFT UNDERWING PANEL
INSTALLATION TO BULKHEAD STATION 593 (TAC 160 and On; Bomber 3 and On)

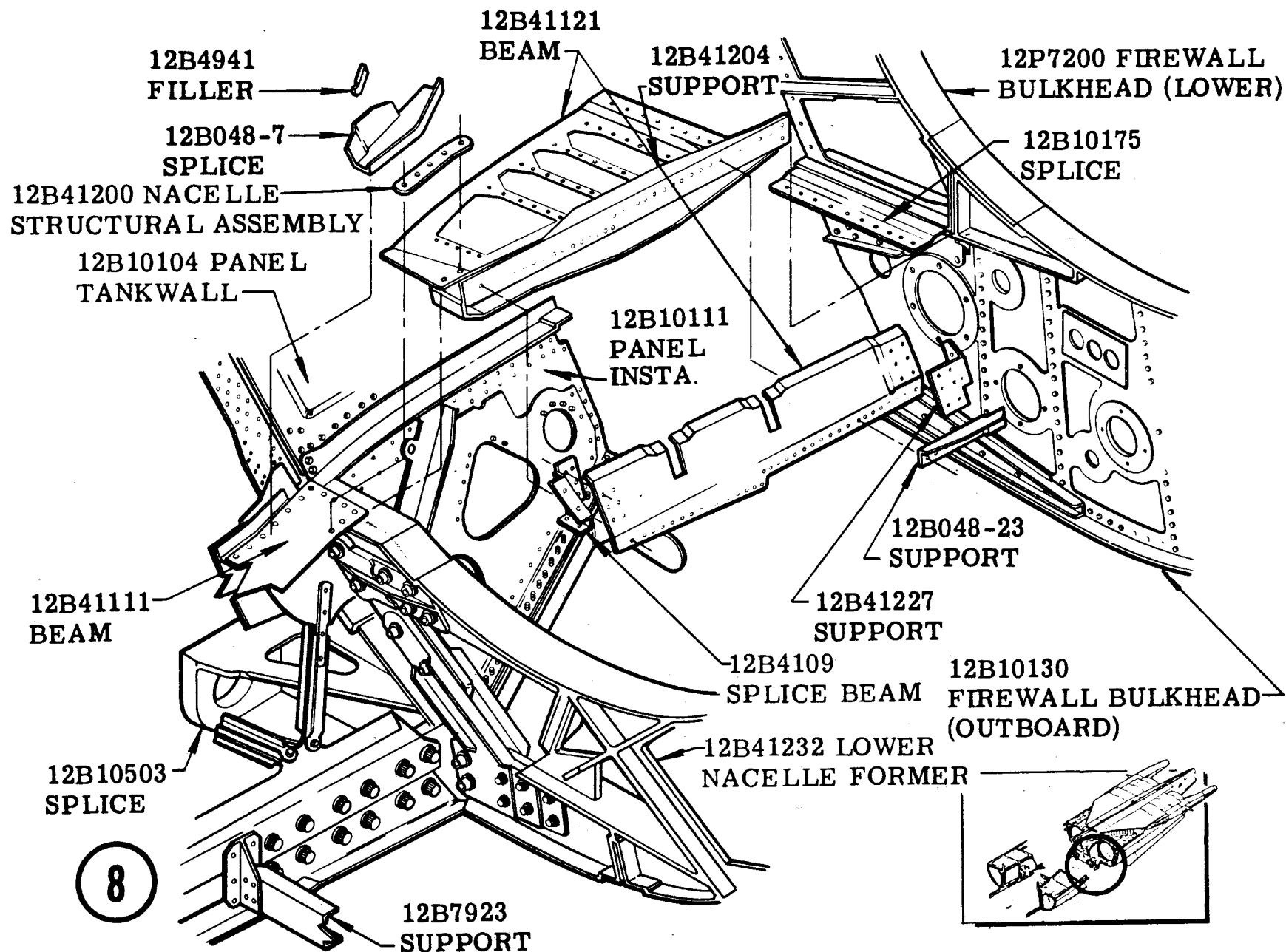


Figure 4-74 F-111E/FB-111 MATING DETAILS (ITEM 81) LOWER BOUNDARY AIR BEAM INSTALLATION TO GAEC SECTION STATION 572 TO 593 (TAC 160 and On; Bomber 3 and On)

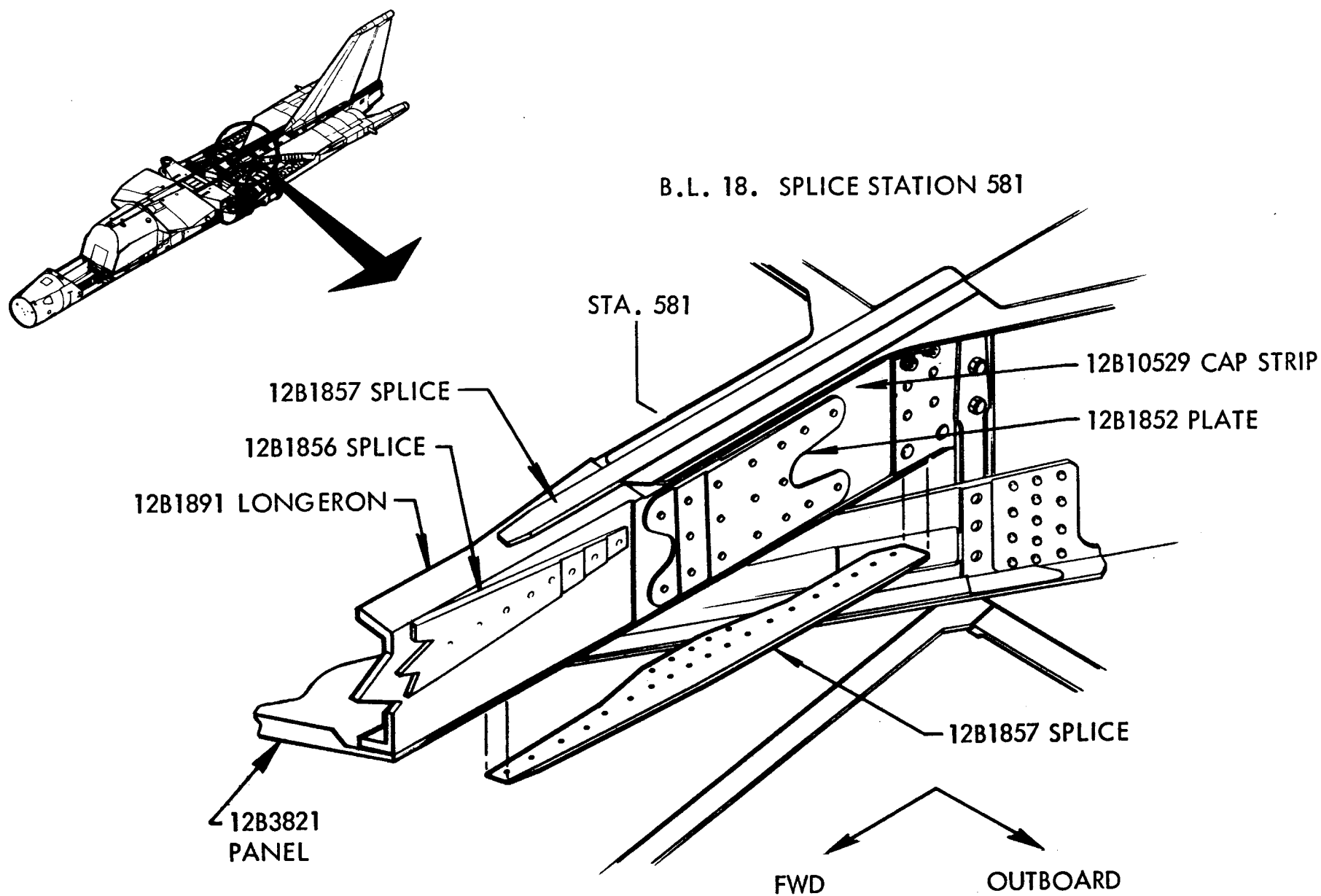


Figure 4-75 F-111E/FB-111 MATING DETAILS (ITEM 81) B.L. 18 SPLICE STATION 581

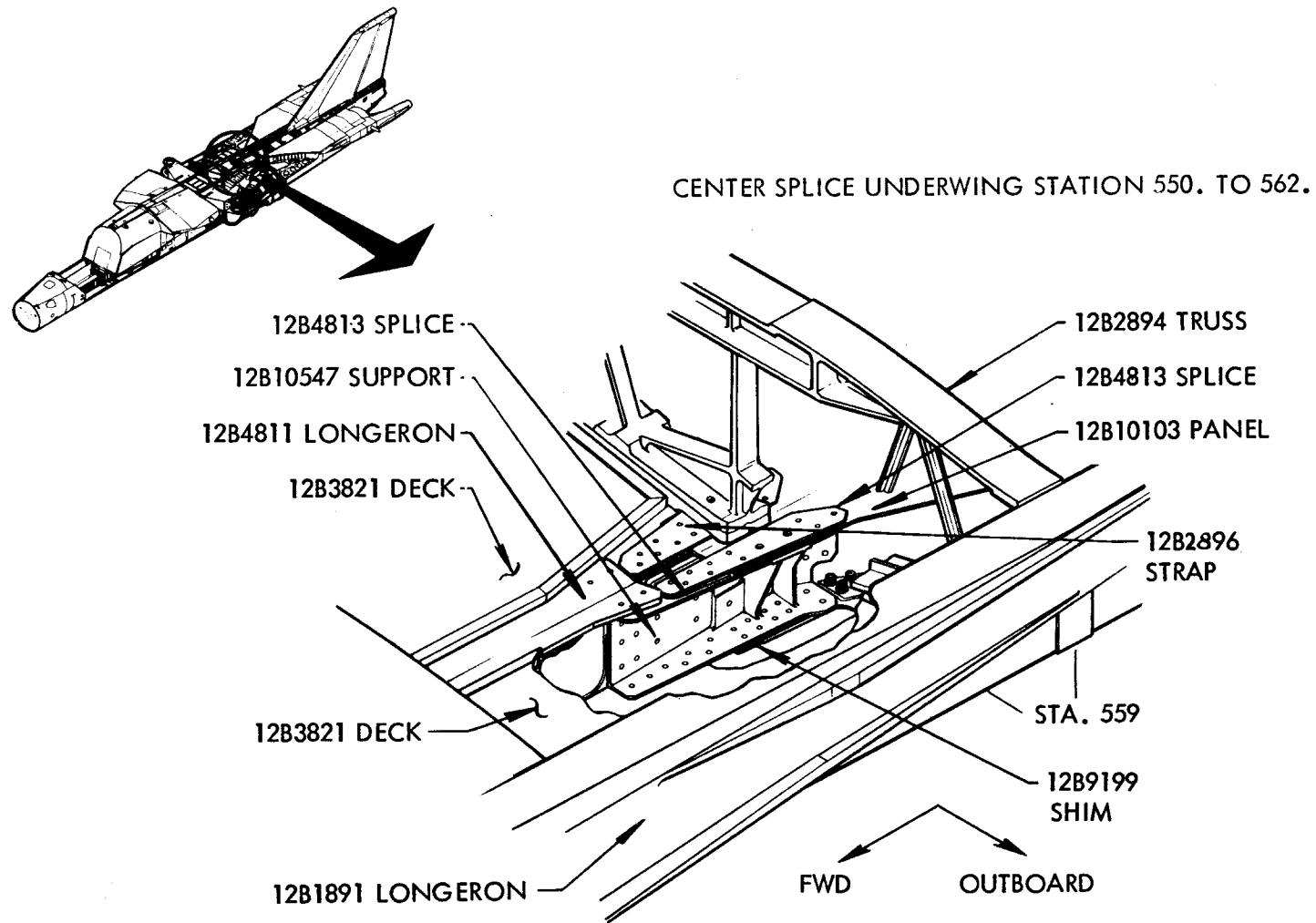


Figure 4-76 F-111E/FB-111 MATING DETAILS (ITEM 81) SPLICE UNDERWING STATION 550 TO 562

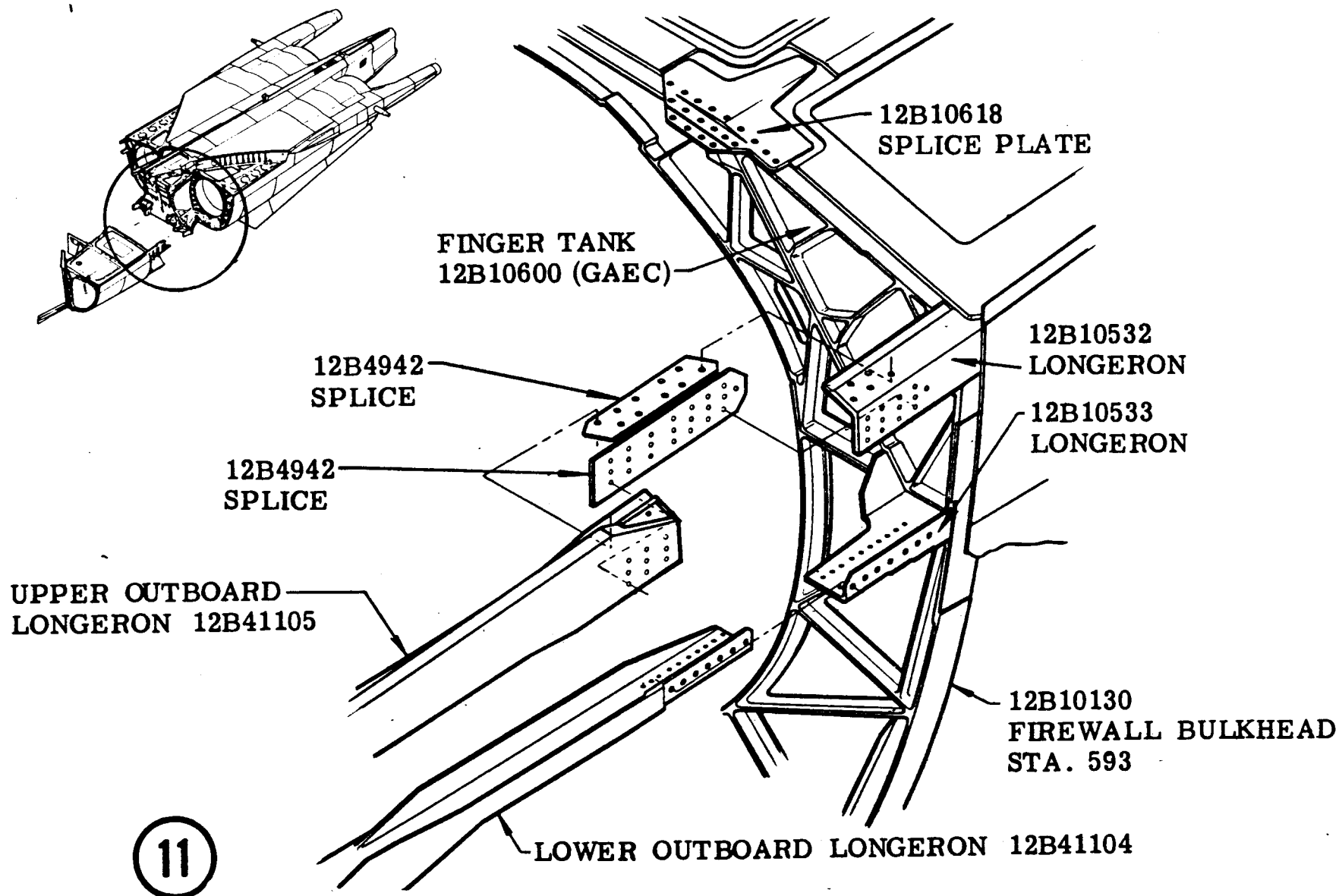


Figure 4-77 F-111E/FB-111 MATING DETAILS (ITEM 81) OUTBOARD NACELLE
LONGERON SPLICE STATION 585.0 (TAC 160 and On; Bomber 3 and On)

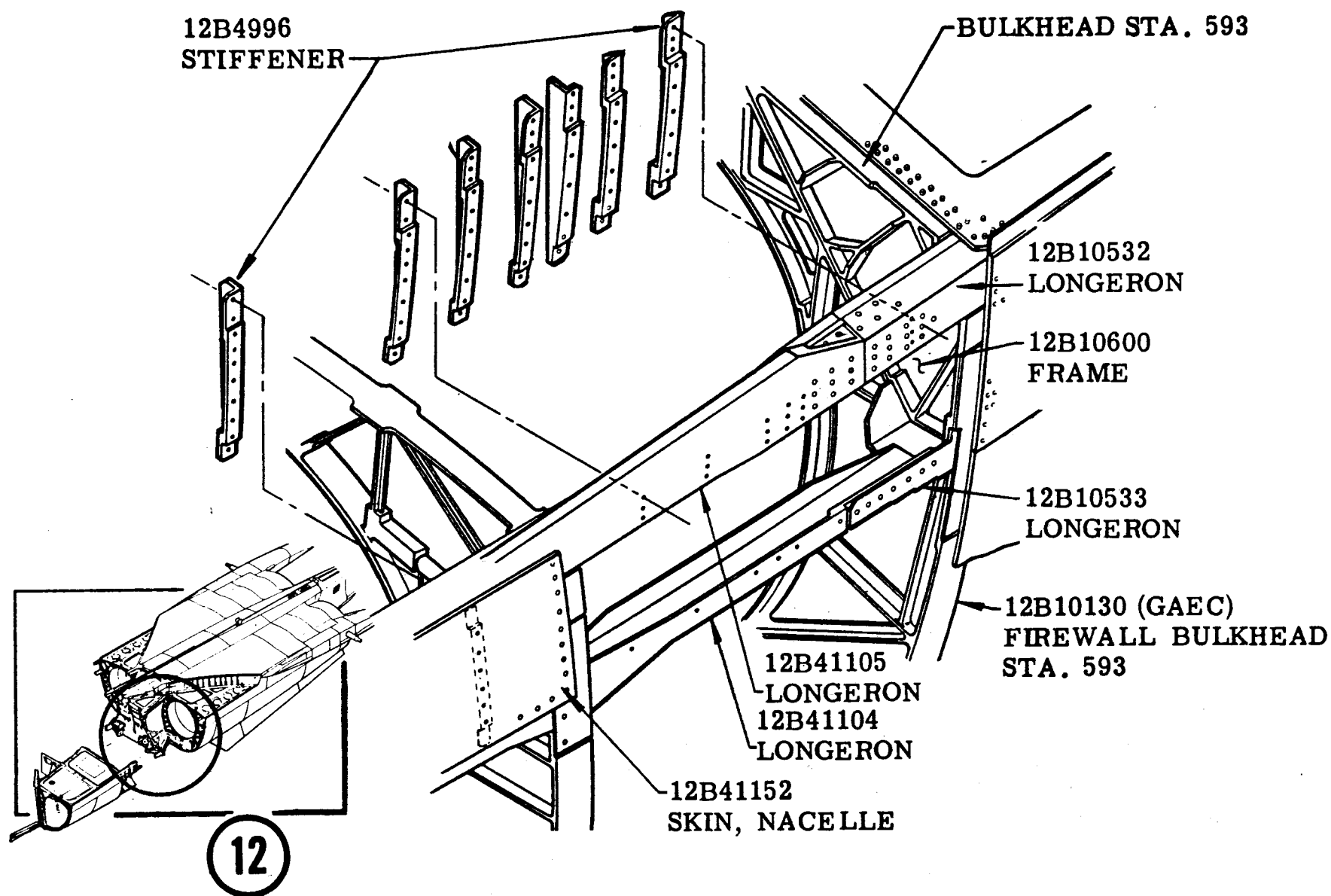


Figure 4-78 F-111E/FB-111 MATING DETAILS (ITEM 81) OUTBOARD UPPER NACELLE
LONGERON SUPPORTS STATION 558.0 TO 593.0 (TAC 160 and On; Bomber 3 and On)

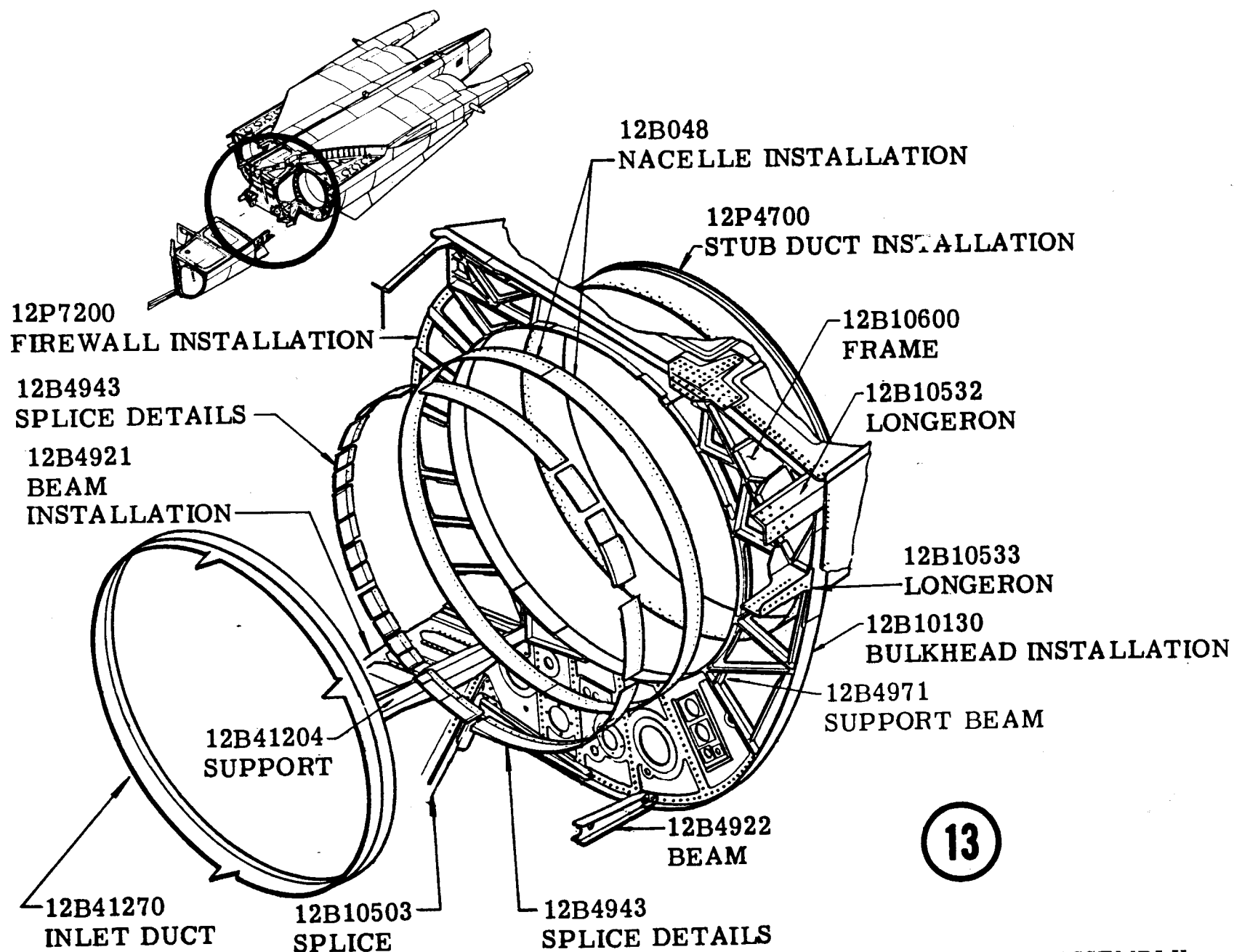


Figure 4-79 F-111E/FB-111 MATING DETAILS (ITEM 81) PRIMARY INLET DUCT ASSEMBLY
TO GAEC BULKHEAD STATION 593.0 (TAC 160 and On; Bomber 3 and On)

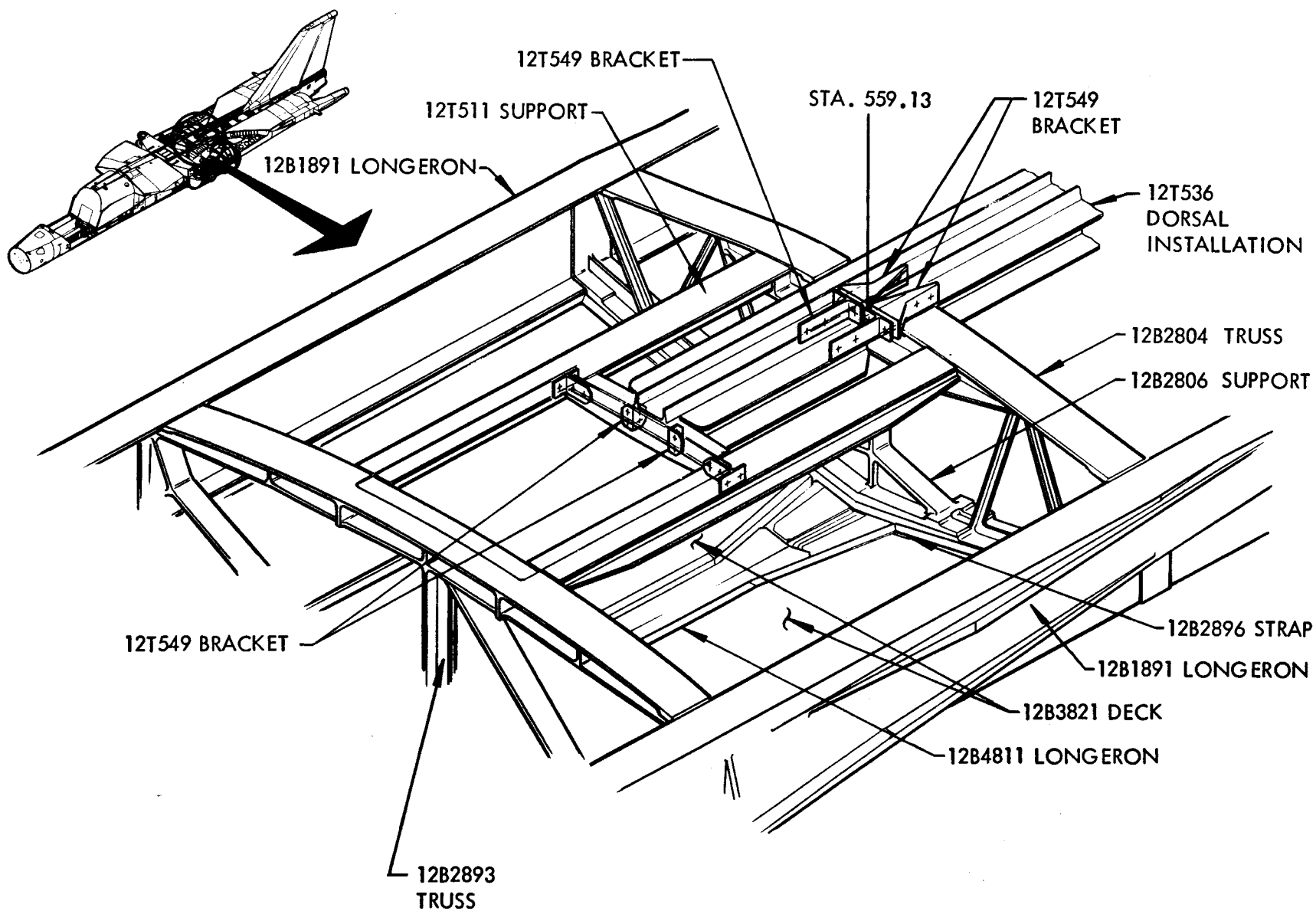


Figure 4-80 F-111E/FB-111 MATING DETAILS (ITEM 81) OVERWING DORSAL INSTALLATION
SPLICE STATION 545 TO 560

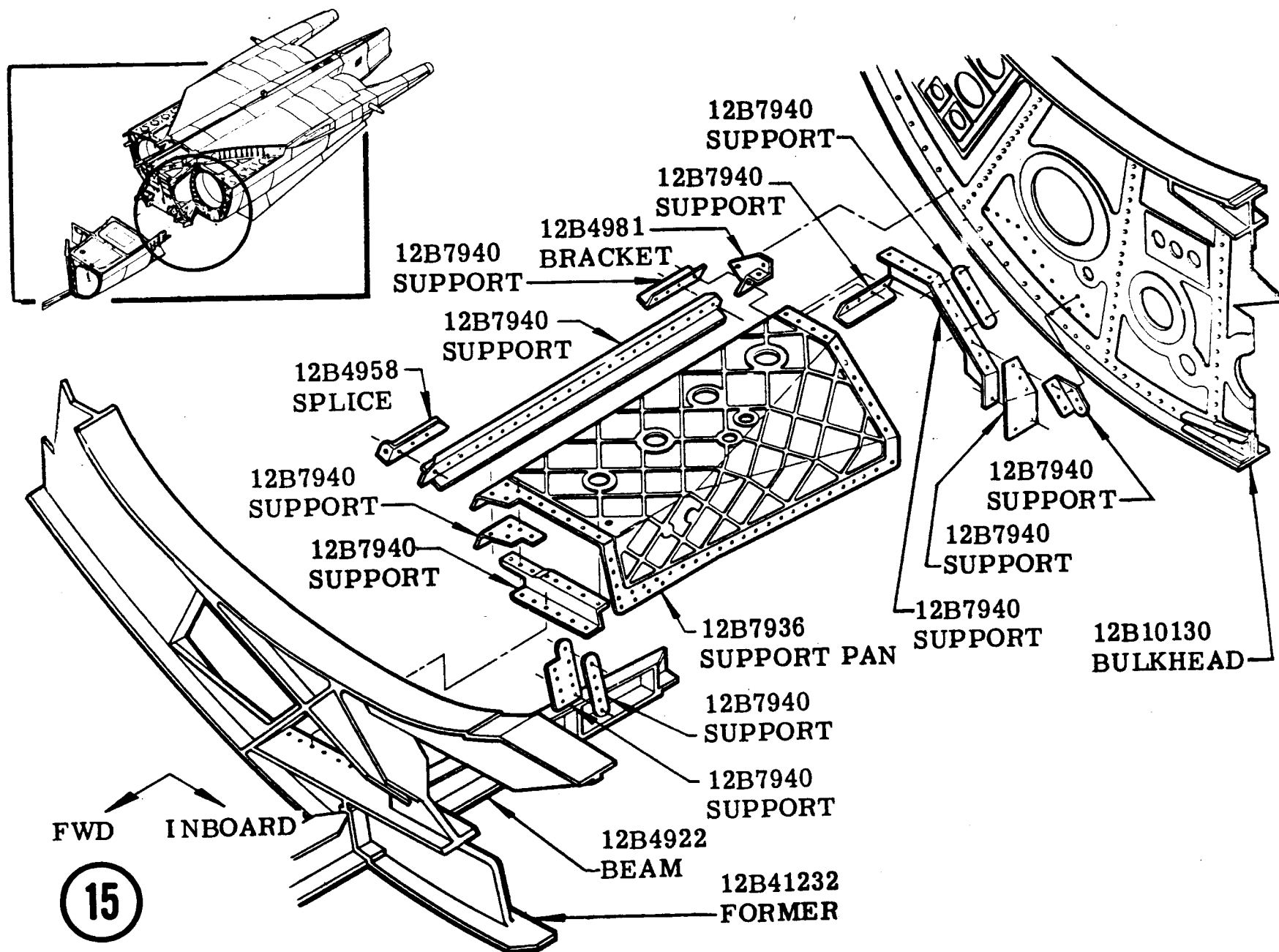


Figure 4-81 F-111E/FB-111 MATING DETAILS (ITEM 81) HYDRAULIC GROUND DISCONNECT SUPPORT INSTALLATION (RIGHT HAND ONLY) (TAC 160 and On; Bomber 3 and On)

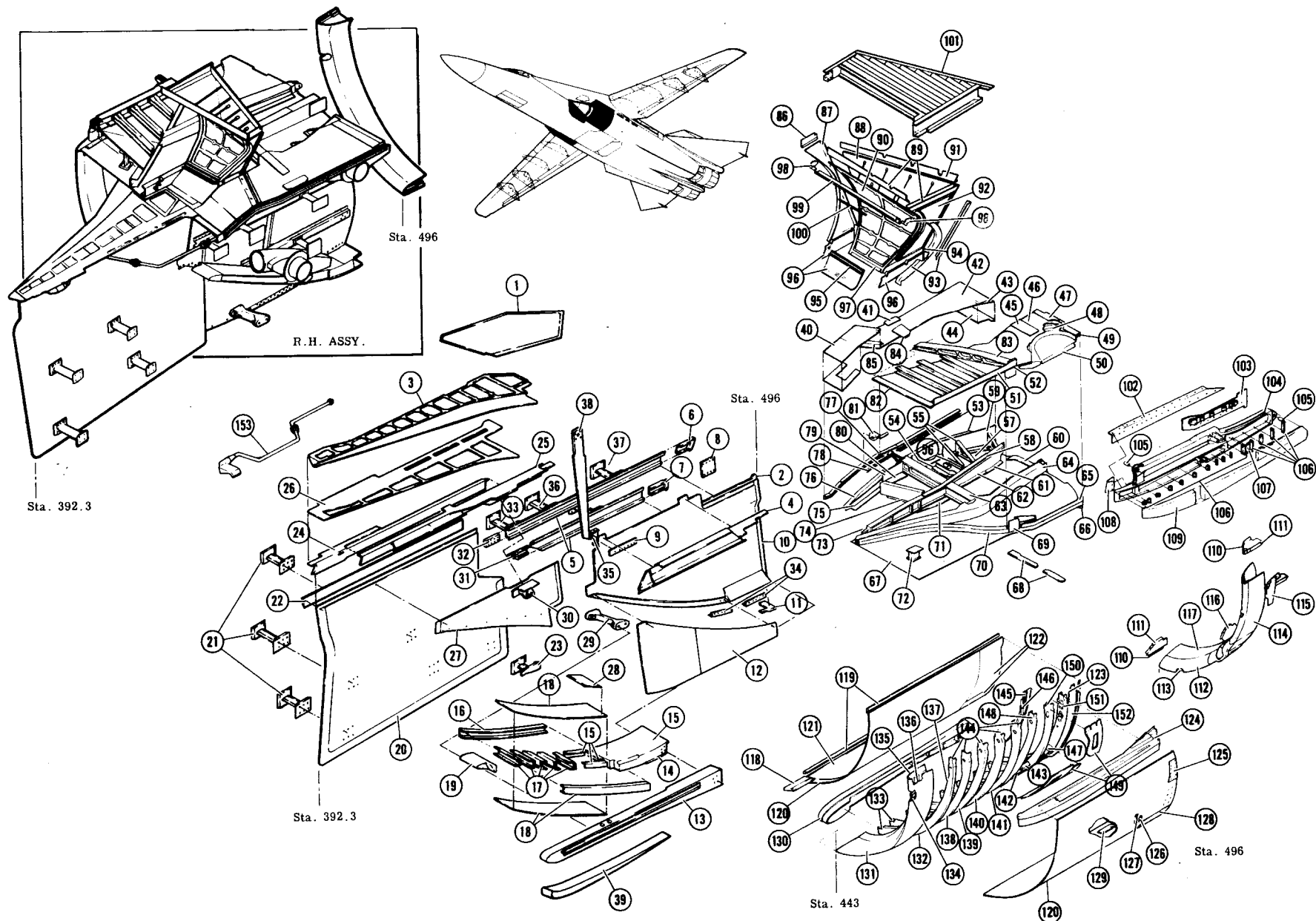


Figure 4-82 F-111A NACELLE INLET - TRIPLE PLOW I (TAC 31 thru 159)

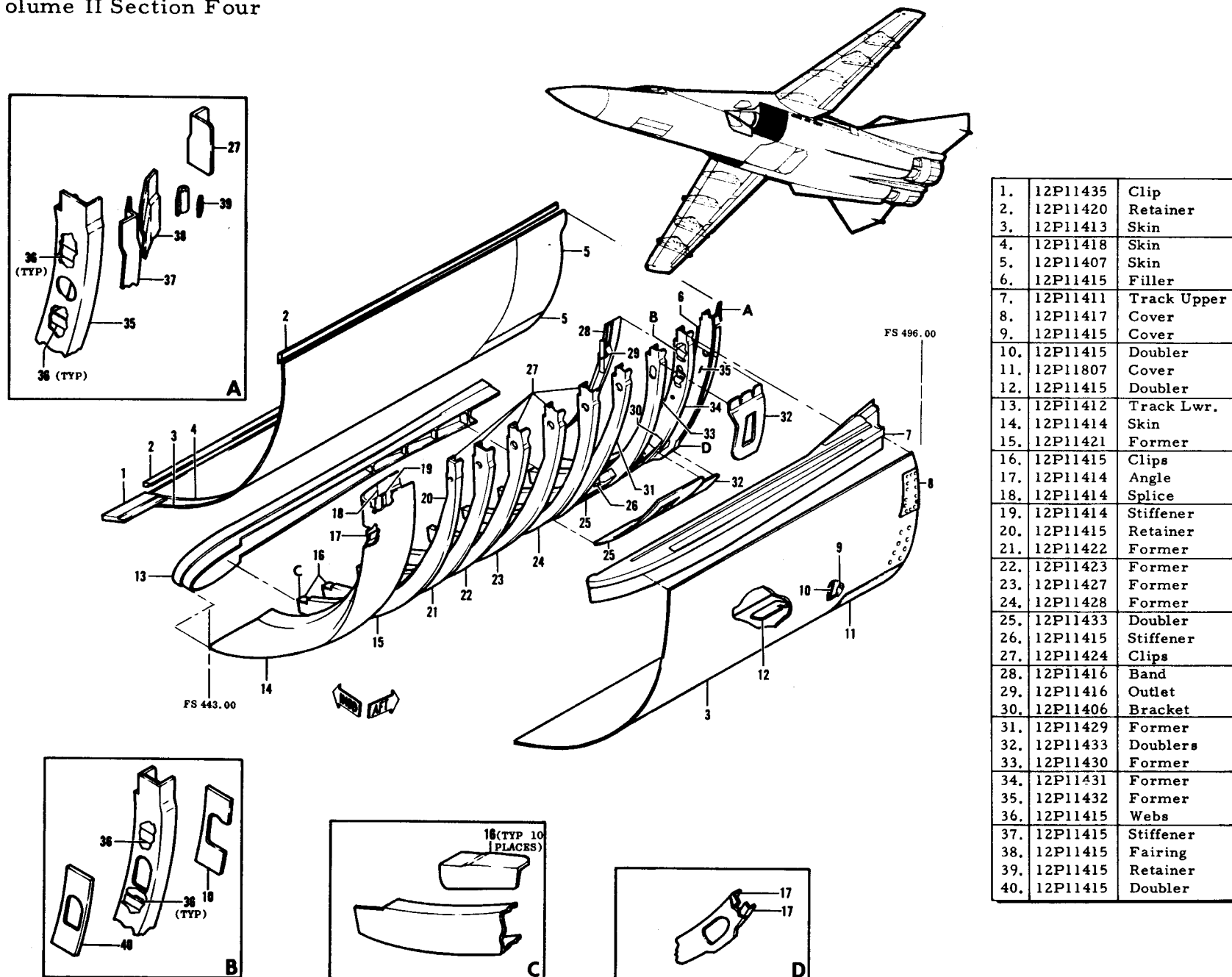


Figure 4-83 F-111A TRANSLATING COWL (TAC 31 thru 159)

1. 12P11176 Cover	40. 12P7190 Cover	79. 12P11179 Diverter	118. 12P11435 Clip
2. 12P11116 Support	41. 12P7190 Doubler	80. 12P11179 Angle	119. 12P11420 Retainer
3. 12P11654 Wedge	42. 12P11179 Skin	81. 12P11179 Cover Assy	120. 12P11413 Skin
4. 12P8395 Extrusion	43. 12P11650 Strap	82. 12P11650 Doubler	121. 12P11418 Skin
5. 12P11300 Stiffener	44. 12P11179 Skin	83. 12P11658 Beam	122. 12P11407 Skin
6. 12P11326 Fitting	45. 12P11650 Doubler	84. 12P11179 Doubler	123. 12P11415 Filler
7. 12P11327 Fitting	46. 12P11650 Skin	85. 12P11179 Angle	124. 12P11411 Track Upper
8. 12P7705 Bracket	47. 12P11650 Doubler	86. 12P7143 Junction	125. 12P11417 Cover
9. 12P7705 Support	48. 12P11650 Spacer	87. 12P7144 Skin	126. 12P11415 Cover
10. 12P11313 Skin	49. 12P11650 Doubler	88. 12P7149 Panel	127. 12P11415 Doubler
11. 12P11320 Fairing	50. 12P11650 Cover	89. 12P7143 Junction	128. 12P11807 Cover
12. 12P11311 Side Wall	51. 12P11650 Stiffener	90. 12P7147 Skin	129. 12P11415 Doubler
13. 12P11402 Beam	52. 12P11650 Skin	91. 12P7143 Junction	130. 12P11412 Track Lwr.
14. 12P11401 Closure	53. 12P11179 Angle	92. 12P7148 Skin	131. 12P11414 Skin
15. 12P11401 Support	54. 12P11650 Skin	93. 12P7152 Splice	132. 12P11421 Former
16. 12P11334 Channel	55. 12P11179 Former	94. 12P7141 Hinge Half	133. 12P11415 Clips
17. 12P11334 Stiffener	56. 12P11650 Stiffener	95. 12P7140 Hinge Half	134. 12P11414 Angle
18. 12P11334 Skin	57. 12P11179 Skin	96. 12P7140 Plate	135. 12P11414 Splice
19. 12P11339 Plow L.E.	58. 12P11650 Doubler	97. 12P7141 Hinge Half	136. 12P11414 Stiffener
20. 12P11331 Splitter Plate	59. 12P11179 Diverter	98. 12P7141 Bracket	137. 12P11415 Retainer
21. 12P11332 Support	60. 12P11650 Doubler	99. 12P7141 Stiffener	138. 12P11422 Former
22. 12P11331 Plate	61. 12P11650 Former	100. 12P7147 Stiffener	139. 12P11423 Former
23. 12P11323 Support	62. 12P11650 Doubler	101. 12P7145 Vane	140. 12P11427 Former
24. 12P11125 Brace	63. 12P11652 Beam	102. 12P11660 Support	141. 12P11428 Former
25. 12P8096 Rail	64. 12P11651 Diverter Assy	103. 12P11662 Plate	142. 12P11433 Doubler
26. 12P11656 Adapter	65. 12P11650 Stiffener	104. 12P11165 Beam	143. 12P11415 Stiffener
27. 12P11333 Wedge	66. 12P11650 Support	105. 12P11174 Bushing	144. 12P11424 Clips
28. 12P11401 Cover	67. 12P11178 Skin Assy	106. 12P11200 Support	145. 12P11416 Band
29. 12P11315 Support	68. 12P11650 Doubler	107. 12P11188 Bracket	146. 12P11416 Outlet
30. 12P8081 Bracket	69. 12P11657 Fairing	108. 12P11324 Fairing	147. 12P11406 Bracket
31. 12P11328 Fitting	70. 12P11650 Diverter	109. 12P11200 Fairing	148. 12P11429 Former
32. 12P11340 Support	71. 12P11172 Doubler	110. 12P11190 Former	149. 12P11433 Doublers
33. 12P11328 Fitting	72. 12P11175 Support	111. 12P11190 Stiffener	150. 12P11430 Former
34. 12P11314 Support	73. 12P11663 Beam	112. 12P11190 Skin	151. 12P11431 Former
35. 12P11300 Bracket	74. 12P11650 Former	113. 12P11190 Duct	152. 12P11432 Former
36. 12P8099 Fitting	75. 12P11650 Stiffener	114. 12P11190 Skin	153. 12P11287 Tube
37. 12P11314 Support	76. 12P7190 Stiffener	115. 12P11181 Duct Assembly	
38. 12P11316 Support	77. 12P11179 Former	116. 12P11190 Former	
39. 12P11402 Fairing	78. 12P11179 Angle	117. 12P11186 Skin	

Figure 4-84 F-111 NACELLE INLET - TRIPLE PLOW I (TAC 31 thru 159)



1.	12P12200	Inlet Installation	31.	12P2480	Spike Track, Aft
2.	12P12177	Diverter Installation	32.	12P11366	Fitting
3.	12P12175	Diverter Assy.	33.	12P11477	Strap
4.	12P12169	Fitting Details	34.	12P12211	Base Assy, Spike Bleed
5.	12P12181	Fwd. Diverter	35.	12P12187	Beam
6.	12P12176	Diverter L. E.	36.	12P12190	Beam Assy
7.	12P12174	Support Details	37.	12P12191	Bracket
8.	12P12230	Support	38.	12P12203	Bracket
9.	12P12199	Channel	39.	12P2508	Skin Assy
10.	12P12168	Filler Details	40.	12P2535	Cowl Installation
11.	12P12201	Shim	41.	12P12110	Aux Inlet Inst.
12.	12Y1438	Duct Installation	42.	12P12150	Bid Installation
13.	12P2200	Duct, Anti-ice Installation	43.	12P2530	Cowl Assy
14.	12P12143	Duct, Anti-ice	44.	12P12205	Side Wall Inst.
15.	12P12142	Connector	45.	12P12137	Retainer, Ram Panel
16.	12P12141	Duct, Anti-ice	46.	12P12136	Ram Panel
17.	12P2215	Flange	47.	12P12170	Skin, Sidewall
18.	12P2201	Duct	48.	12P12192	Support
19.	12P2204	Bracket	49.	12P12226	Strut
20.	12P2203	Flange	50.	12P2502	Ramp
21.	12P12122	Duct	51.	12P2497	Base Installation
22.	12P12250	Seal, Inst., FOD, Spike Bleed	52.	12P2505	Track
	12P12251	Support, FOD Seal	53.	12P12224	Wedge Inst, Side
23.	12P12210	Duct Inst., Spike Bleed Exit	54.	12P2485	Wedge, Side
	12P12212	Duct Assy.	55.	12P12178	Filler, Side Wedge
	12P12213	Skin, Outboard	56.	12P2489	Spike Track, Fwd
	12P12214	Junction	57.	12P12225	Wedge Inst, Upper
	12P12215	Skin, Inbd.	58.	12P12206	Filler, Upper Wedge
	12P12216	Skin, Aft	59.	12P2507	Wedge, Upper
	12P12217	Skin, Fwd	60.	12P2507	Adapter, Wedge
	12P12218	Pins	61.	12P12195	Splice, Spike Track
24.	12P12190	Cover Inst.	62.	12P12202	Plow Assy
	12P12188	Doubler	63.	12P12171	L. E. Assy, Plow
	12P12201	Shim	64.	12P12171	Bracket, Plow L. E.
25.	12P12194	Retainer, Ram Panel	65.	12P12202	Skin, Upr.
26.	12P12193	Panels, Ram	66.	12P2496	Plow
27.	12P12204	Fitting	67.	12P12205	Bracket Sidewall
28.	12P11177	Supports	68.	12P12171	Skin, Lower
29.	12P12182	Stand Off	69.	12Y943	Scoop (R. H. Side)
30.	12P12197	Diverter			

Figure 4-86 NACELLE INLET ASSEMBLY (FB-111A: B1 3-19; F-111E: A1 160-189)

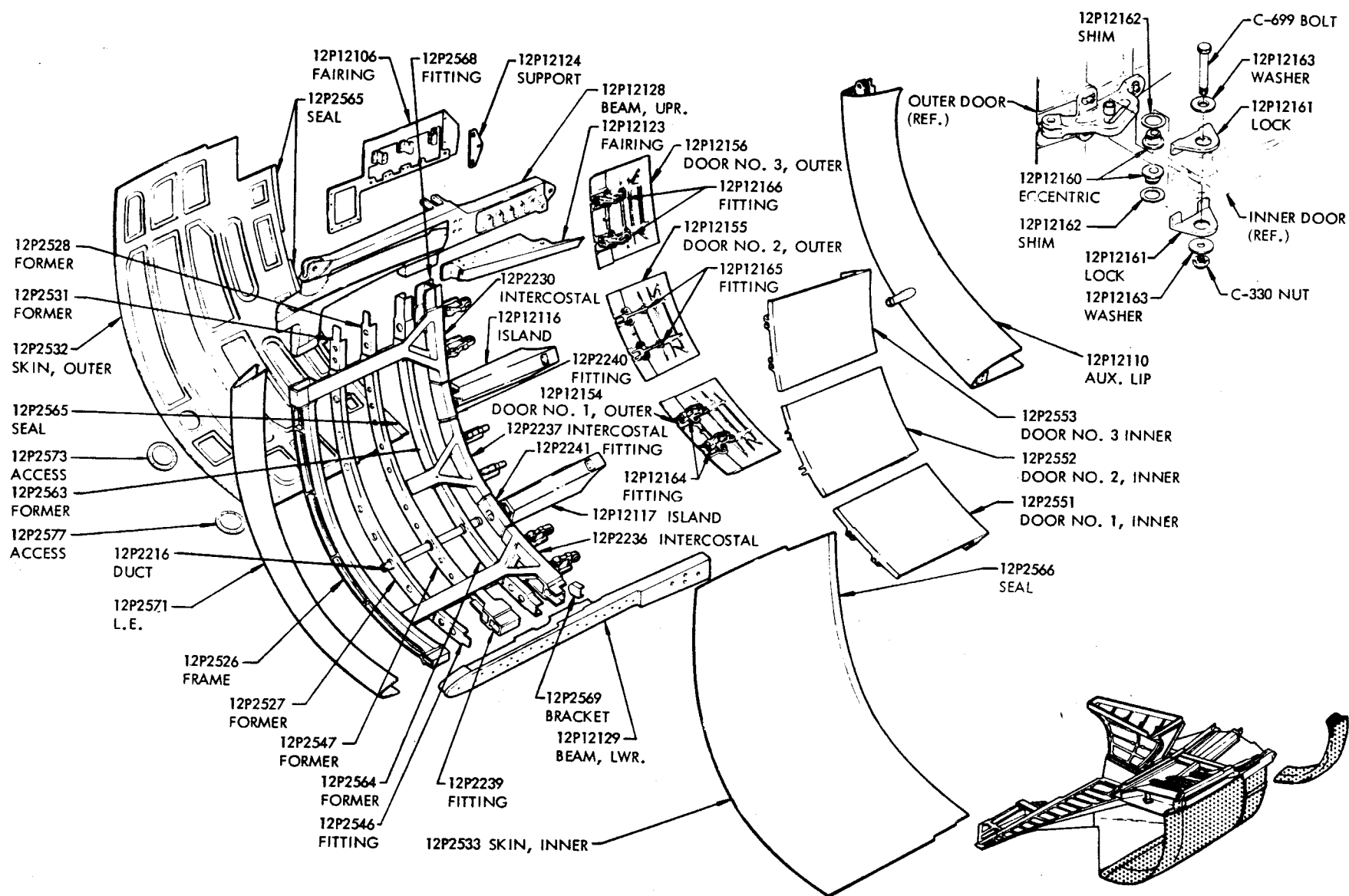
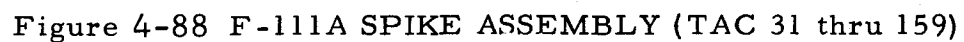
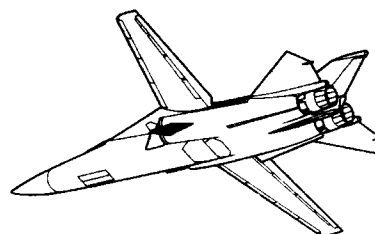
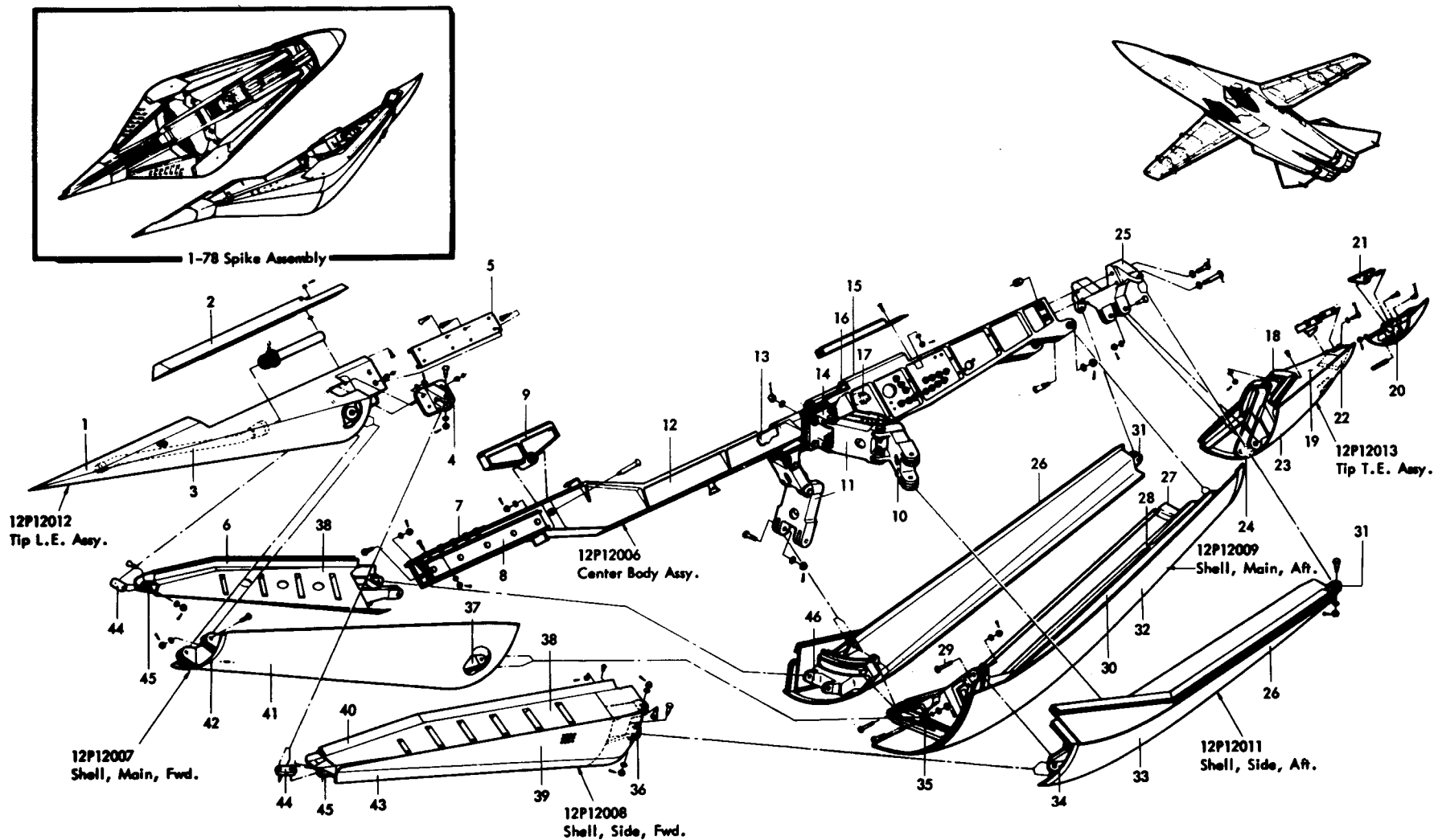


Figure 4-87 NACELLE INLET - FIXED COWL (FB-111A: B1 3-6)





1.	12P12037	FWD Tip	11.	12P12056	Link	21.	12P12046	Bearing	31.	12P12035	Hinge	41.	12P12023	Skin
2.	12P12040	Seal	12.	12P12019	Beam	22.	12P12045	Bhd.	32.	12P12031	Outer Skin	42.	12P12067	Seal
3.	12P12041	Tube-Anti-Icing	13.	12P12015	Former Aft.	23.	12P12043	Skin, Outer	33.	12P12036	Skin, Outer	43.	12P12008	Shell, Side, Fwd.
4.	12P12038	Fig.	14.	12P11253	Fig.	24.	12P12042	Hinge	34.	12P12021	Hinge	44.	12P12066	Link
5.	12P12069	Track	15.	12P11277	Plate	25.	12P12020	Hinge	35.	12P12029	Support	45.	12P12028	Fig. Link
6.	12P12008	Skin, Inner	16.	12P11891	Stop	26.	12P12011	Shell, Side, Aft.	36.	12P12027	Hinge	46.	12P12034	Hinge
7.	12P12014	Former Fwd.	17.	12P12017	Fig. Actuator	27.	12P12030	Seal	37.	12P12068	Longeron			
8.	12P12016	Track Assy.	18.	12P12013	Seal	28.	12P12033	Bhd.	38.	12P12008	Skin, Upper			
9.	12P12055	Fwd. Track	19.	12P12013	Skin, Inner	29.	12P12053	Bolt	39.	12P12026	Skin, Outer			
10.	12P12057	Link	20.	12P12044	Fig.	30.	12P12032	Longeron	40.	12P12008	Seal & Retainer			

Figure 4-89 FB-111/F-111E I-78 SPIKE ASSEMBLY

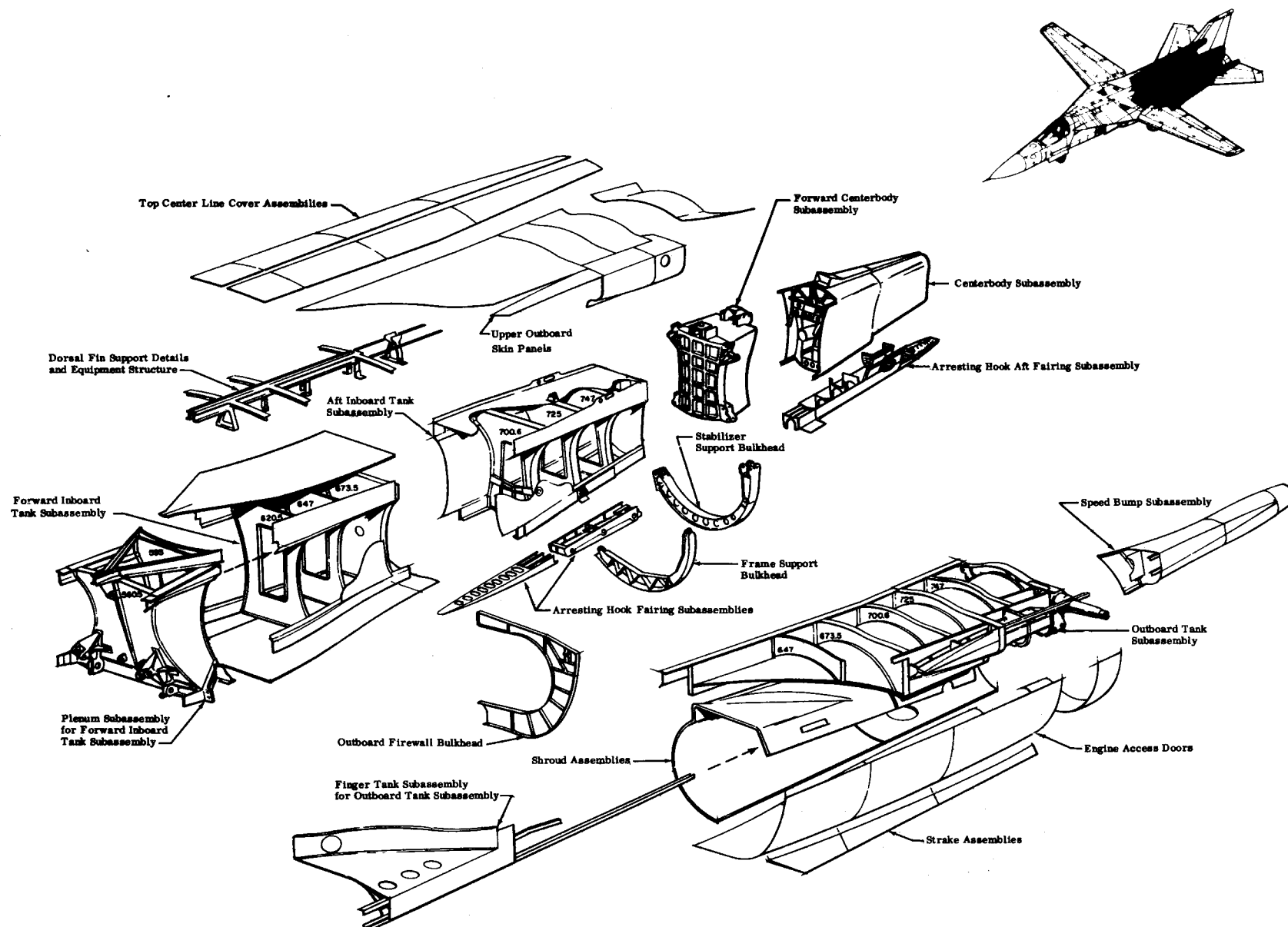


Figure 4-90 AFT FUSELAGE PRODUCTION BREAKDOWN

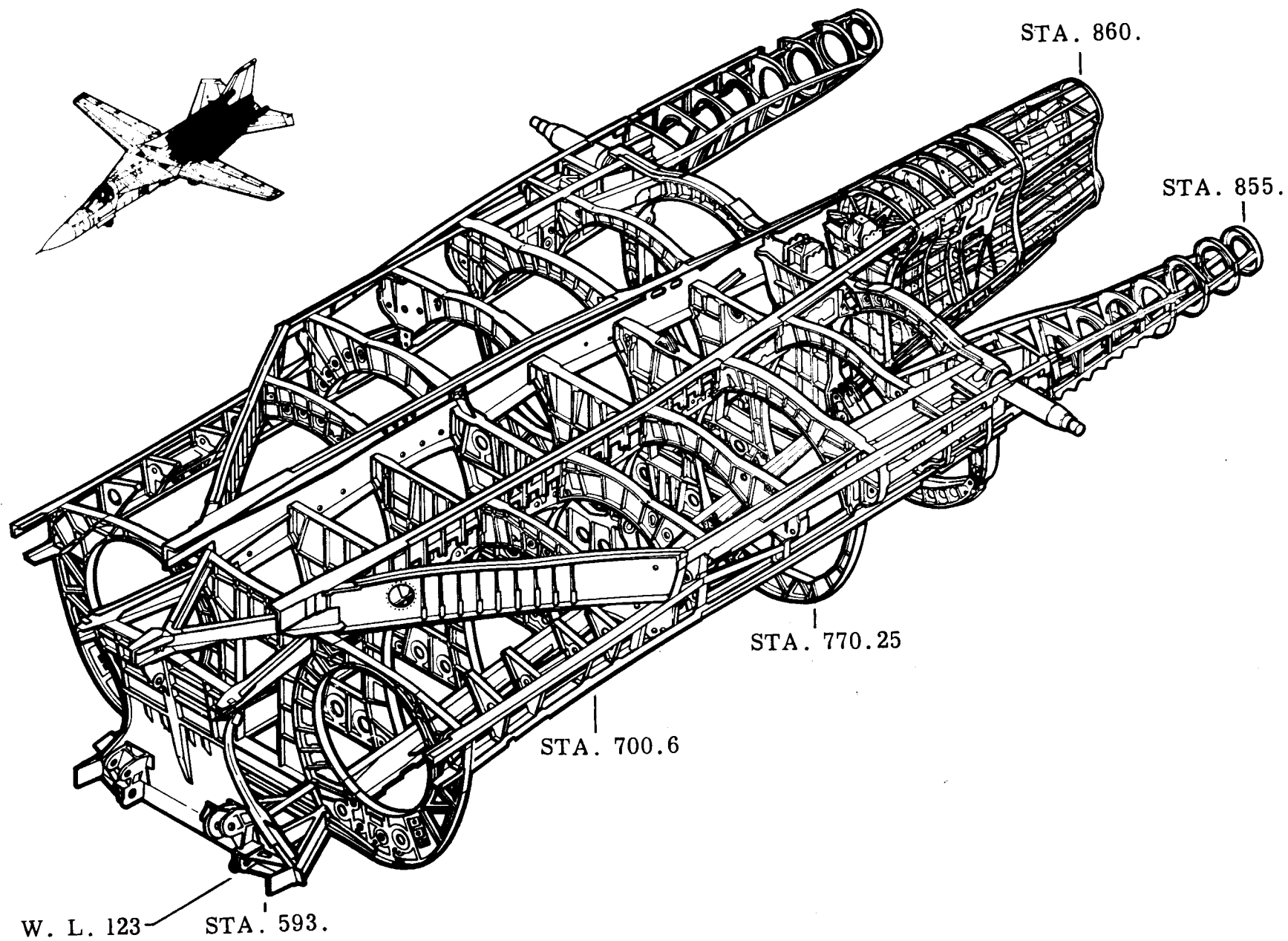
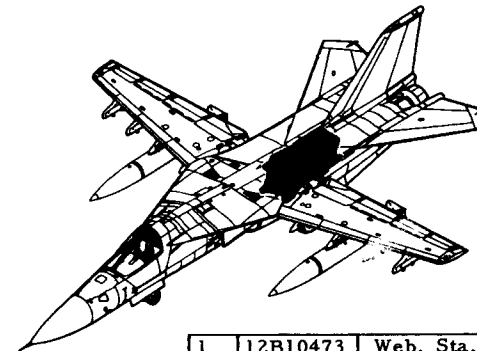
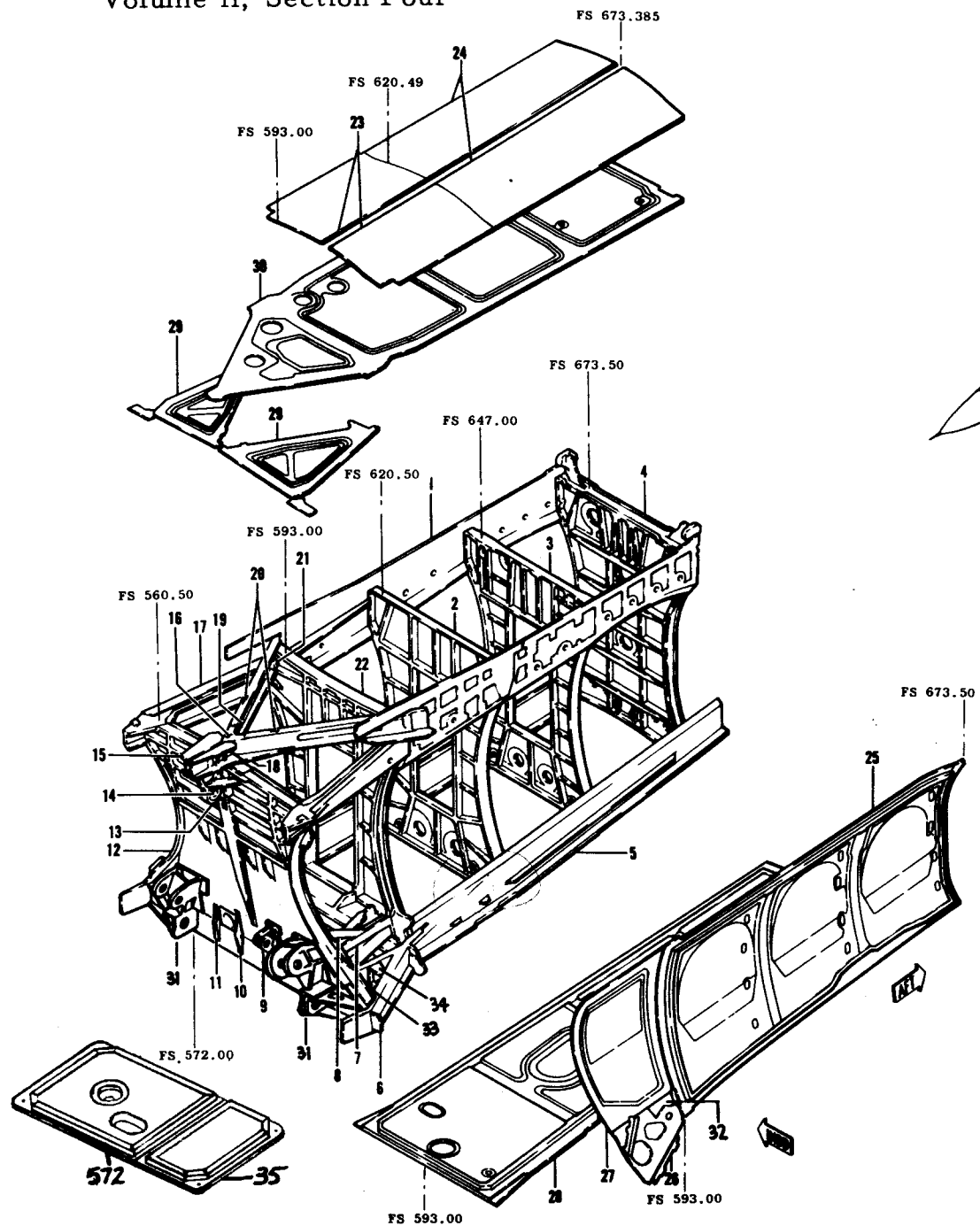


Figure 4-91 AFT FUSELAGE STRUCTURE



1.	12B10473	Web, Sta. 595-673. Upr. Longeron
2.	12B10505	Bulkhead, Sta. 620.5
3.	12B10507	Bulkhead, Sta. 647
4.	12B10509	Bulkhead, Sta. 673.5
5.	12B10812	Longeron, Sta. 594-684, Lwr.
6.	12B10503	Splice, Lower Longeron
7.	12B10594	Floor - Sta. 571-593
8.	12B10712	Stiffener, Sta. 572-583
9.	12B10570	Support - MLG Act., Sta. 567.5
10.	12B10715	Bracket - MLG Bhd. - Inbd.
11.	12B10711	Bracket - MLG Bhd. - Outbd.
12.	12B10500	Bulkhead - Landing Gear
13.	12B10502	Support - MLG Drag Brace, Sta. 559
14.	12B9186	Support - MLG Drag Brace, Lateral
15.	12B10547	Support - MLG Drag Brace, Sta. 560.5
16.	12B10546	Retainer - Clos., Sta. 560.5
17.	12B10530	Longeron - Upper
18.	12B10562	Plate - Splice, Sta. 560
19.	12B9559	Angle - Inbd. Clos. Beam L/R
20.	12B10558	Beam - Inbd. Clos. Beam L/R
21.	12B10560	Block - Seal
22.	12B10526	Bulkhead, Sta. 593
23.	12B604	Cover - Sta. 593-621, Upper (TAC)
24.	12B601	Cover - Sta. 620-673, Upper
25.	12B10100	Wall - Sta. 593-673.5
26.	12B10111	Panel Instl. - L. G. Bhd.
27.	12B10104	Wall - Sta. 571-593
28.	12B10101	Panel - Sta. 593-700.6, Bottom Skin
29.	12B10105	Panel - Sta. 560.5-593 Underwing
30.	12B10103	Panel - Sta. 558.4-673.5, Top
31.	12B10501	Support - MLG Shock Strut - Sta. 558
32.	12B10182	Stiff. - Bowed, Air Beam
33.	12B10554	Support, Sta. 579
34.	12B10555	Support, Sta. 585
35.	12B10102	PANEL, STA 572-593
23.	12B10081	COVER, STA 593-621 UPPER (SAC)

Figure 4-92

FORWARD TANK SUBASSEMBLY - STRUCTURE

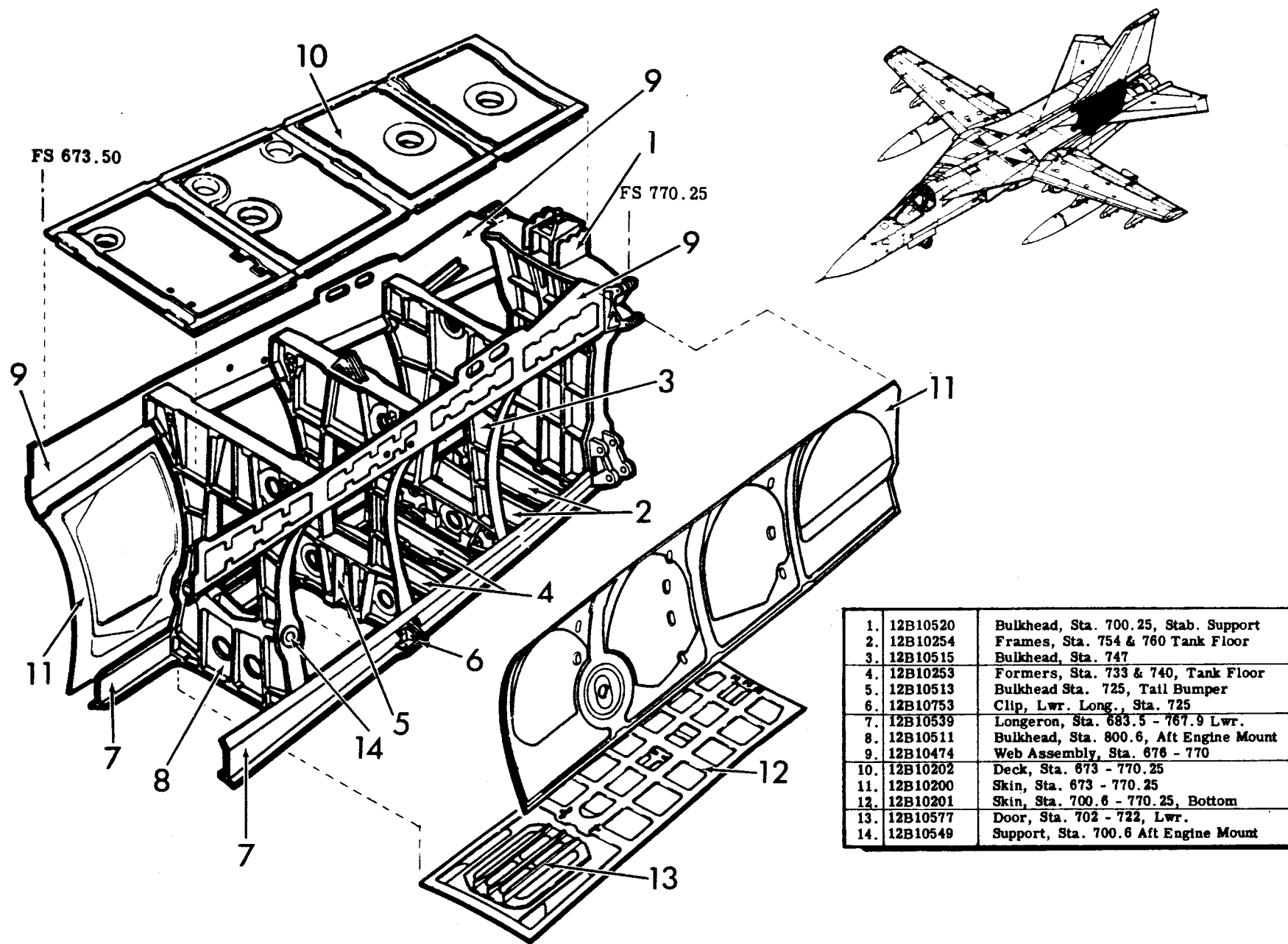


Figure 4-93 F-111A AFT SUBASSEMBLY STRUCTURE - STA. 700 - 770
F-111E

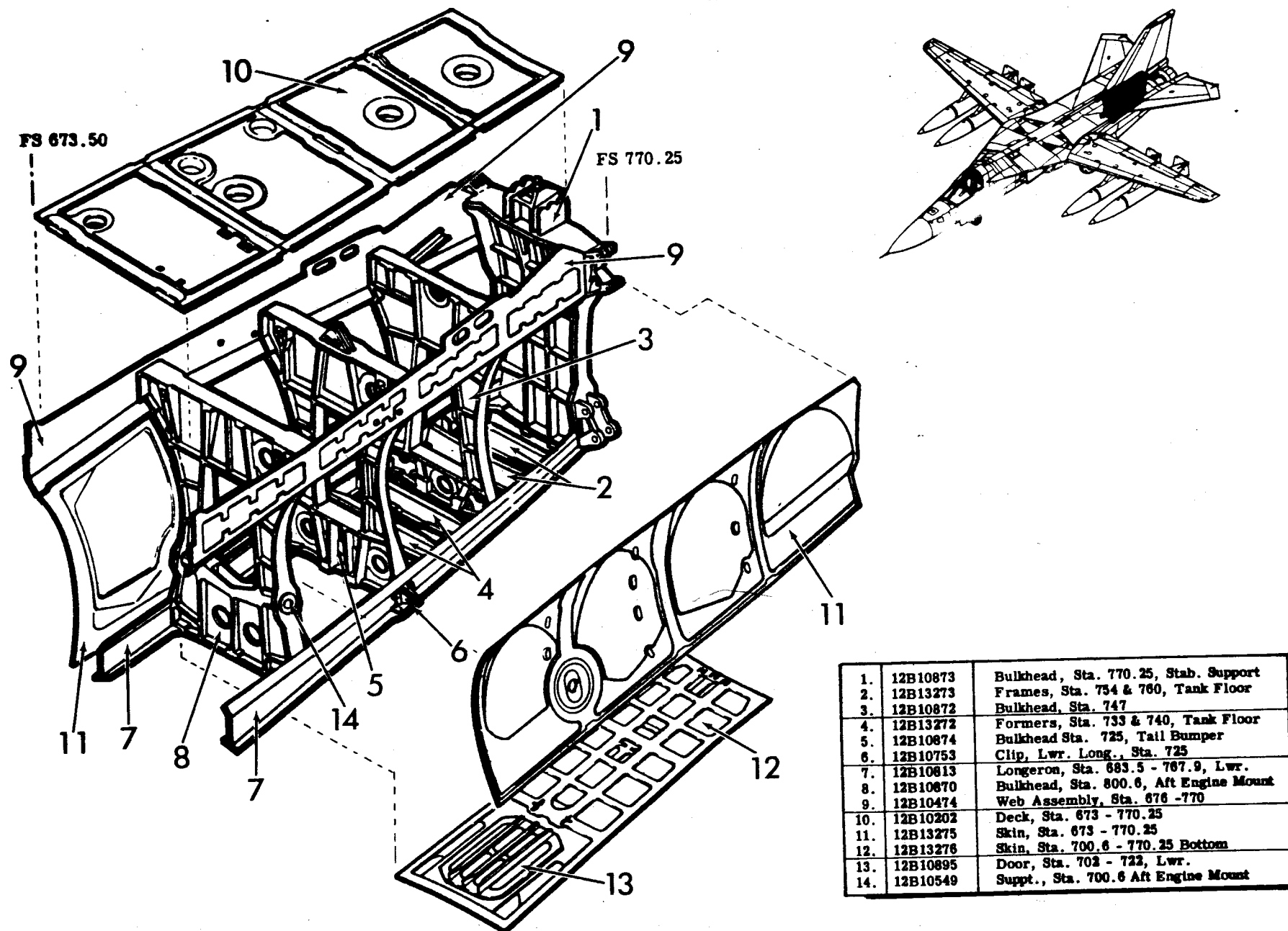
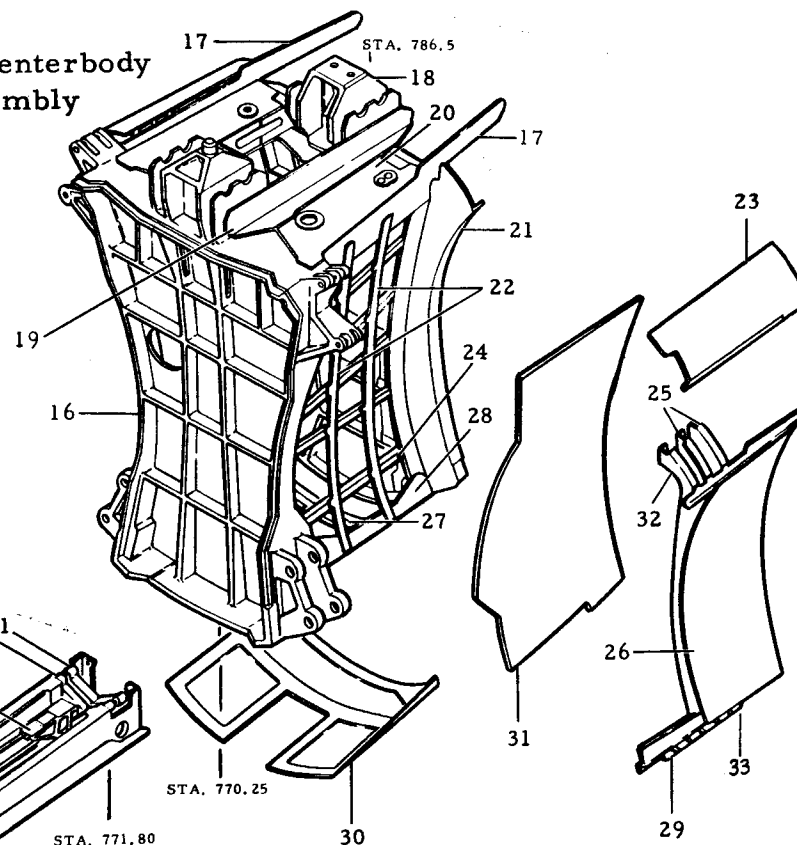


Figure 4-94

AFT SUBASSEMBLY STRUCTURE - STA. 673-795 FB-111A

1.	12B10067	Truss - Fwd., Hook-Sta. 768.63
2.	12B10602	Truss - Hook - Sta. 770.25
3.	12B9702	Support - Hook Truss - Sta. 760-770
4.	12B10578	Support Assy. - Hook, Tail Bumper
5.	12B9283	Skin - Hook Fairway - Sta. 725-770
6.	12B9678	Support - Lift Cyl., Bumper - Sta. 744
7.	12B9579	Support Assy. - Bumper
8.	12B9667	Channel - Bumper Closure - Sta. 727
9.	12B9603	Support - Door - Sta. 723
10.	12B9329	Intercostal - Hook Fairing - Sta. 704-723
11.	12B10263	Skin Instl. - Fairing - Sta. 688-725
12.	12B10604	Support - Access Door, Fwd. - Sta. 700.6
13.	12B9097	Seal - Fairing, Hook - Sta. 668-723
14.	12B9328	Web - Hook Fairing - Sta. 668-770
15.	12B10698	Retainer - Fairing - Sta. 674.25
16.	12B10520	Bulkhead- Stab., Inbd. - Sta. 770.25
17.	12B13115	Strap - Sta. 772-778
18.	12B10851	Bulkhead- Fin Support - Sta. 786.5
19.	12B10545	Angle-Drag. Fin-Sta. 770-786
20.	12B10721	Deck Trough - Sta. 770-786
21.	12B13129	Frame - Fin Support - Sta. 786.5
22.	12B13102	Stiffener-Side Panel - Sta. 770-786
23.	12B13158	Skin - Center Body - Sta. 771-786
24.	12B13103	Stiffener - Side Panel - Sta. 770-786
25.	12B13161	Stiffeners - Annulus- Sta. 770-786
26.	12B13144	Skin Instl. - Annulus-Sta. 777-787
27.	12B13104	Stiffener, Bottom Panel - Sta. 770-786
28.	12B13106	Longeron - Lwr. -Sta. 770-786
29.	12B13137	Stiffener - Annulus Exit - Sta. 770-786
30.	12B13107	Cover Instl. - Bottom, Center Body - Sta. 770-786
31.	12B13101	Skin Instl. - Side, Center Body - Sta. 770-786
32.	12B10985	Supports - Annular Exit - Sta. 772-787
33.	12B13109	Annulus Instl. - Sta. 770-786

Fwd. Centerbody Subassembly



Arresting Hook Fairing Subassembly

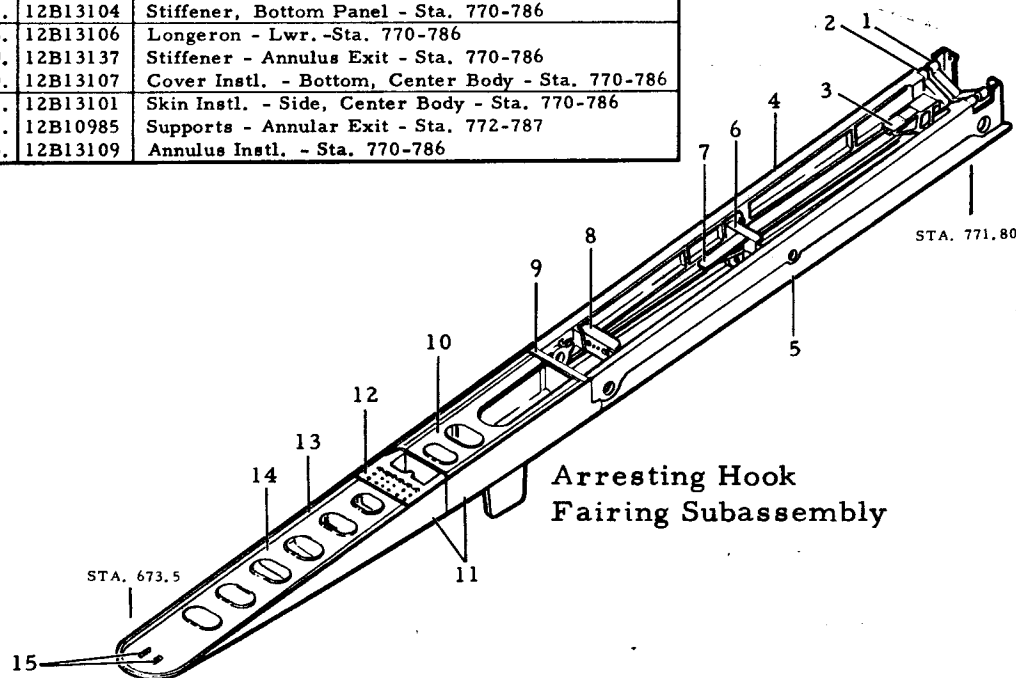
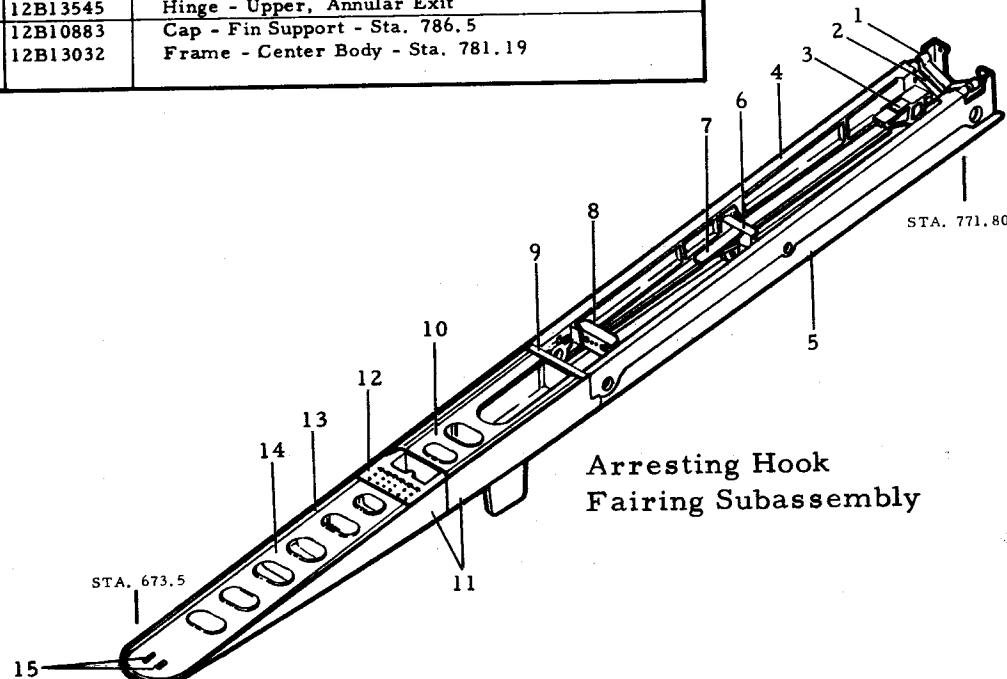
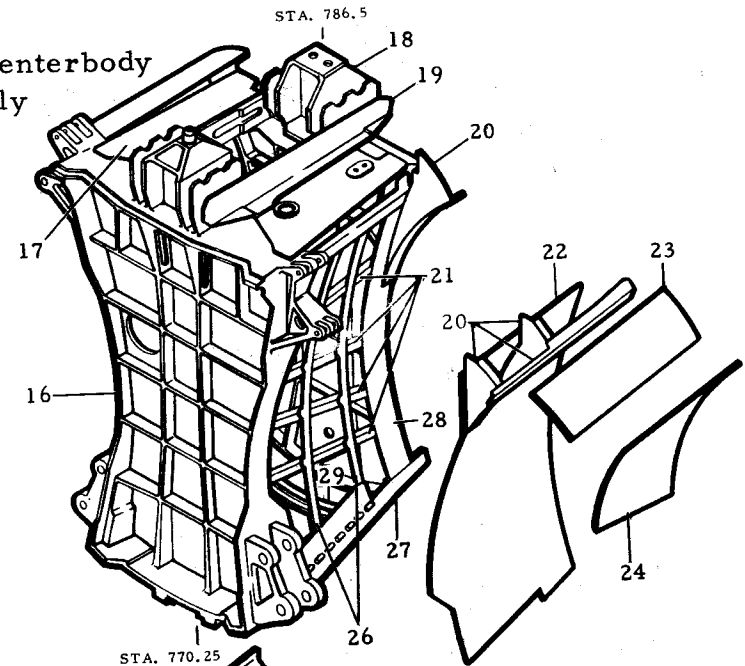


Figure 4-95 F-111A FORWARD CENTERBODY AND ARRESTING HOOK FAIRING SUBASSEMBLIES - STRUCTURE F-111E

1.	12B10067	Truss - Fwd., Hook - Sta. 768.63
2.	12B10602	Truss - Hook - Sta. 770.25
3.	12B9702	Support - Hook Truss - Sta. 760-770
4.	12B10578	Support Assy. - Hook, Tail Bumper
5.	12B9283	Skin - Hook Fairing - Sta. 725-770
6.	12B9678	Support - Lift Cyl, Bumper - Sta. 744
7.	12B9579	Support Assy. - Bumper
8.	12B9667	Channel - Bumper Closure - Sta. 727
9.	12B9603	Support - Door - Sta. 723
10.	12B9329	Intercostal - Hook Fairing - Sta. 704-723
11.	12B10263	Skin Instl. - Fairing - Sta. 688-725
12.	12B10604	Support - Access Door, Fwd. - Sta. 700.6
13.	12B9097	Seal - Fairing, Hook - Sta. 668-723
14.	12B9328	Web - Hook Fairing - Sta. 668-770
15.	12B10698	Retainer - Fairing - Sta. 674.25
16.	12B10873	Bhd. - Stab., Inbd. - Sta. 770.25
17.	12B10721	Deck Trough - Sta. 770-786
18.	12B10884	Bhd. - Fin Suppt., Fuse., Upr. - Sta. 786.5
19.	12B10545	Angle - Drag, Fin, Fuse. Conn. - Sta. 770-786
20.	12B13077	Stiffener - Center Body - Sta. 782-799
21.	12B13028	Stiffener - Vert. Side Panel - Sta. 776-782
22.	12B13026	Skin Instl. - Side, Center Body - Sta. 770-786
23.	12B13368	Skin Instl. - Upr. Side, Center Body - Sta. 770-786
24.	12B13370	Skin Instl. - Top, Center Body - Sta. 776-786
25.	12B13107	Cover Instl. - Bottom Center Body - Sta. 770-786
26.	12B13027	Stiffener, - Center Body, Side Panel - Sta. 770-786
27.	12B13545	Hinge - Upper, Annular Exit
28.	12B10883	Cap - Fin Support - Sta. 786.5
29.	12B13032	Frame - Center Body - Sta. 781.19

Forward Centerbody
Subassembly



Arresting Hook
Fairing Subassembly

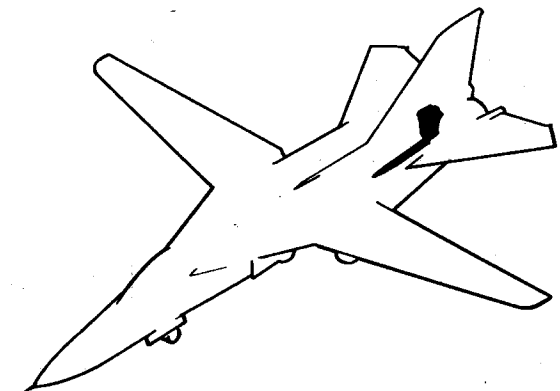
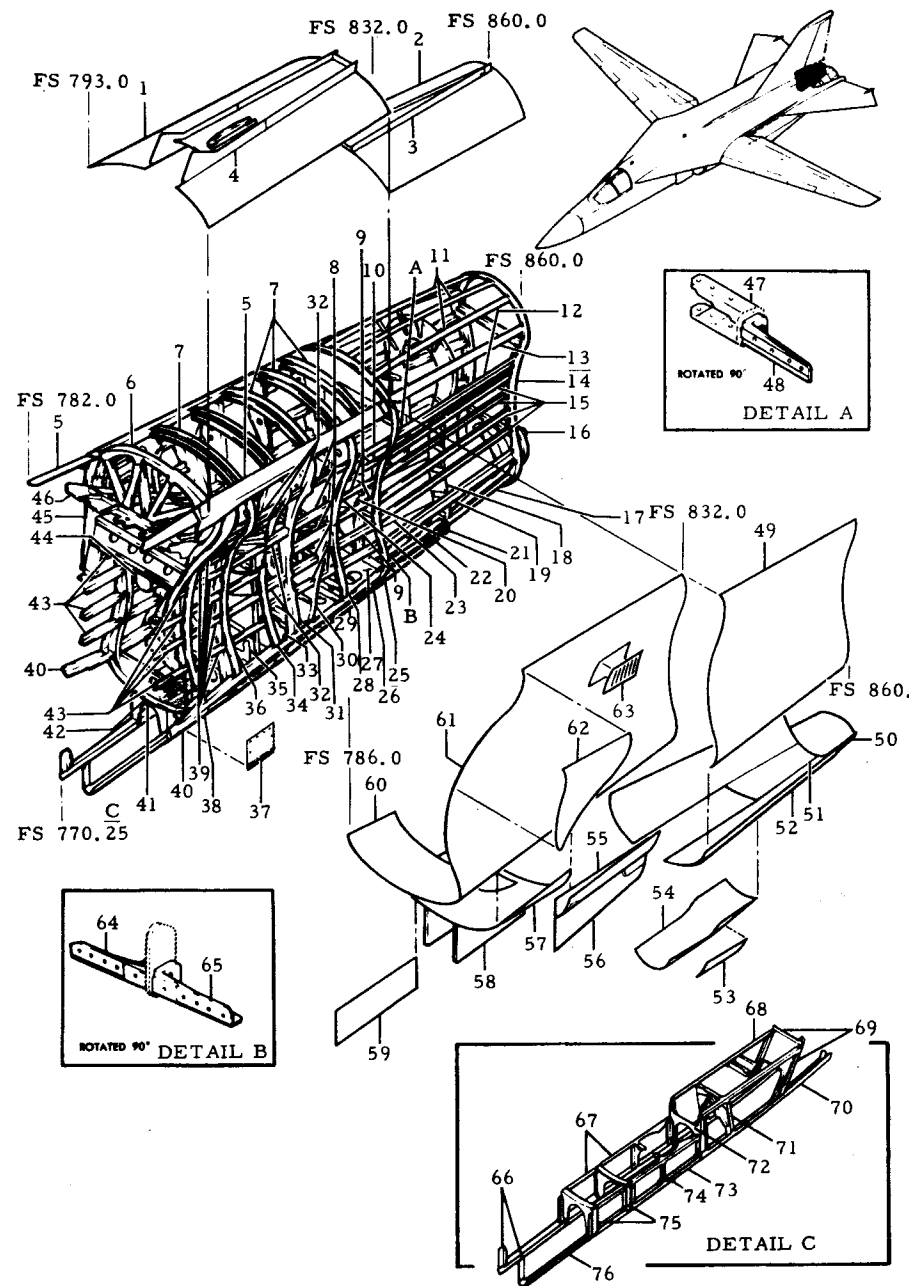
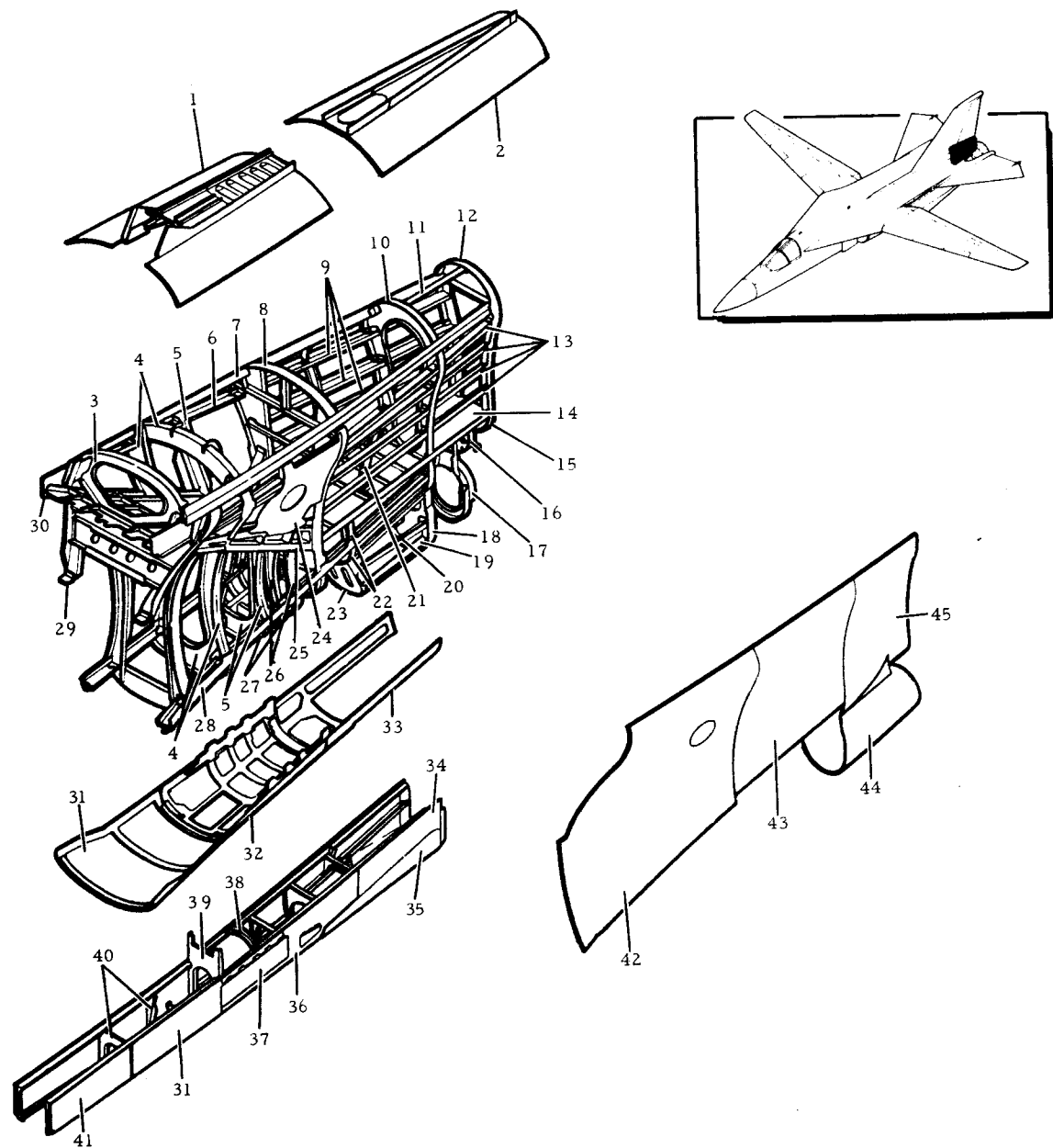


Figure 4-96 FORWARD CENTERBODY AND ARRESTING HOOK FAIRING SUBASSEMBLIES -
STRUCTURE FB-111A



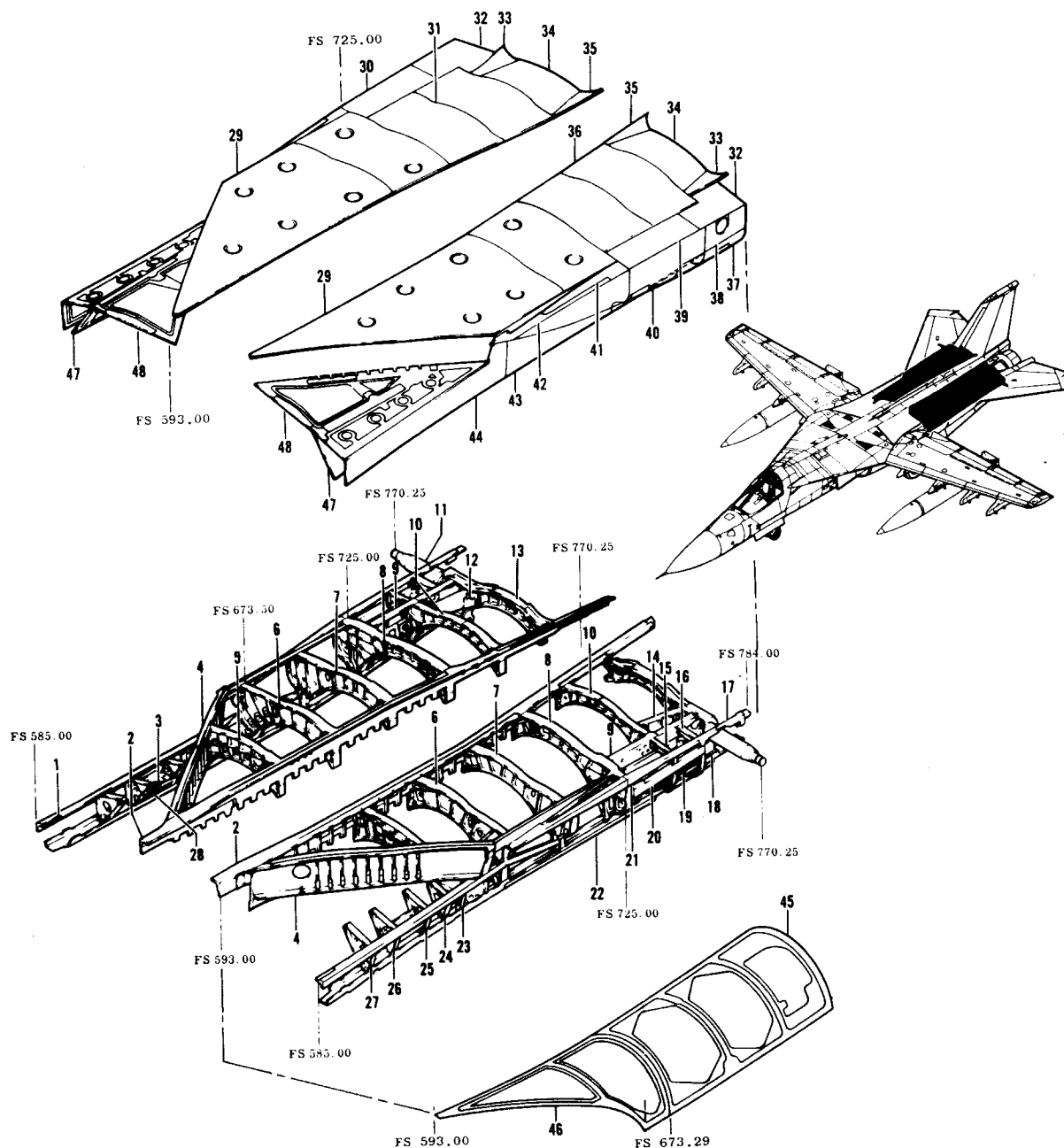
1.	12B13121	Cover Instl.	46.	12B10504	Support Forging
2.	12B13190	Skin Instl.	47.	12B10855	Support
3.	12B13210	Supports	48.	12B10858	Support
4.	12B13145	Skin	49.	12B13191	Skin Instl.
5.	12B13118	Longeron	50.	12B13108	Skin Instl.
6.	12B13116	Stiffener Assy.	51.	12B13230	Skin Instl.
7.	12B13169	Stiffener Instl.	52.	12B13192	Skin Instl.
8.	12B13182	Stiffeners	53.	12B13196	Skin Instl.
9.	12B13179	Stiffeners	54.	12B13197	Cover Assy.
10.	12B13189	Supports	55.	12B13128	Skin Instl.
11.	12B13200	Stiffeners	56.	12B13172	Skin Instl.
12.	12B13198	Stiffener Assy.	57.	12B13127	Cover Instl.
13.	12B13193	Longeron	58.	12B13156	Skin Instl.
14.	12B13202	Frame Instl.	59.	12B13151	Fairing Instl.
15.	12B13199	Stiffeners	60.	12B13126	Skin Instl.
16.	12P10032	Tube Dump Vent Assy.	61.	12B13117	Skin Instl.
17.	12B13194	Longeron	62.	12B13157	Skin Instl.
18.	12B13201	Frame Instl.	63.	12B13155	Skin
19.	12B13207	Stiffeners	64.	12B10854	Support
20.	12B13154	Skin Instl.	65.	12B10357	Support
21.	12B13206	Frame Assy.	66.	12B13146	Angles
22.	12B13206	Frame Assy.	67.	12B13177	Stiffeners
23.	12B13195	Shroud Assy.	68.	12B13172	Stiffener
24.	12B13166	Frame Instl.	69.	12B13114	Stiffener
25.	12B13139	Frame Instl.	70.	12B13208	Stiffener
26.	12B13114	Frame Assy.	71.	12B13175	Frame Assy.
27.	12B13131	Deck Instl.	72.	12B13174	Frame
28.	12B13165	Frame Instl.	73.	12B13173	Stiffener
29.	12B13208	Stiffeners	74.	12B13175	Frame Assy.
30.	12B13120	Bulkhead Assy.	75.	12B13174	Frame
31.	12B13125	Frame Instl.	76.	12B13151	Stiffener
32.	12B13178	Stiffeners			
33.	12B13124	Frame			
34.	12B13187	Frame Instl.			
35.	12B13175	Frame Assy.			
36.	12B13123	Frame Instl.			
37.	12B13149	Door Assembly			
38.	12B13150	Intercostals			
39.	12B13168	Stiffeners			
40.	12B13119	Longeron			
41.	12B13174	Frame			
42.	12B13122	Frame Instl.			
43.	12B13167	Stiffeners			
44.	12P10031	Tube Assy.			
45.	12B13112	Frame Instl.			

Figure 4-97 F-111A CENTERBODY STRUCTURE
F-111E



1.	12B13038	Cover Instl.
2.	12B13049	Skin Instl.
3.	12B13034	Frame Instl.
4.	12B13039	Blkd. Instl.
5.	12B13040	Frame Instl.
6.	12B13062	Stringer Instl.
7.	12B13035	Longeron Instl.
8.	12B13041	Blockhead Instl.
9.	12B13960	Stiffener
10.	12B13952	Blockhead Instl.
11.	12B13063	Stiffener
12.	12B13043	Frame Instl.
13.	12B13958	Stiffener
14.	12B13047	Deck Instl.
15.	12B13968	Support
16.	12B13080	Frame Instl.
17.	12B13936	Frame Instl.
18.	12B13969	Stiffener
19.	12B13322	Scoop
20.	12B13326	Stiffener
21.	12B13078	Strap Instl.
22.	12B13088	Frame Instl.
23.	12B13085	Frame
24.	12B13052	Plate
25.	12B13048	Support Instl.
26.	12B13296	Frame Instl.
27.	12B13088	Frame Instl.
28.	12B13344	Longeron Instl.
29.	12B13033	Frame Instl.
30.	12B13053	Web Instl.
31.	12B13044	Cover Instl.
32.	12B13932	Skin Instl.
33.	12B13046	Skin Instl.
34.	12B13338	Skin Instl.
35.	12B13339	Door
36.	12B13337	Fairing Instl.
37.	12B13944	Door Instl.
38.	12B13935	Support
39.	12B13332	Frame Instl.
40.	12B13331	Frame Instl.
41.	12B13335	Fairing Instl.
42.	12B13037	Skin Instl.
43.	12B13066	Skin Instl.
44.	12B13329	Skin Instl.
45.	12B13084	Skin Instl.

Figure 4-98 FB-111 CENTERBODY STRUCTURE (Bomber 3 and On)



1.	12B10532	Longeron
2.	12B10525	Cap Strip
3.	12B10811	Web
4.	12B10531	Beam
5.	12B10508	Bulkhead
6.	12B10510	Bulkhead
7.	12B10512	Bulkhead
8.	12B10514	Bulkhead
9.	12B10541	Bulkhead
10.	12B10516	Bulkhead
11.	12B10521	Bulkhead
12.	12B10762	Plate
13.	12B10523	Bulkhead
14.	12B10552	Intercostal
15.	12B9563	Intercostal
16.	12B10434	Frame
17.	12B10585	Longeron
18.	12B9436	Stringer
19.	12B9435	Stiffener
20.	12B10676	Support
21.	12B10564	Longeron
22.	12B10533	Longeron
23.	12B10389	Support
24.	12B10689	Frame
25.	12B10688	Frame
26.	12B10687	Frame
27.	12B10686	Frame
28.	12B10556	Support
29.	12B10403	Panel
30.	12B10410	Skin Etched
31.	12B10405	Panel
32.	12B10419	Cover Instl.
33.	12B10911	Fillet
34.	12B13225	Skin
35.	12B10910	Fillet
36.	12B10406	Panel
37.	12B10421	Cover Assy.
38.	12B10420	Skin
39.	12B10418	Cover Assy.
40.	12B10410	Cover Assy.
41.	12B10437	Skin Etched
42.	12B10495	Fairing Assy.
43.	12B10463	Panel
44.	12B10407	Panel
45.	12B10401	Panel
46.	12B10400	Panel
47.	12B10422	Panel
48.	12B10402	Panel

Figure 4-99 F-111A AFT FUSELAGE OUTBOARD SUBASSEMBLY
F-111E

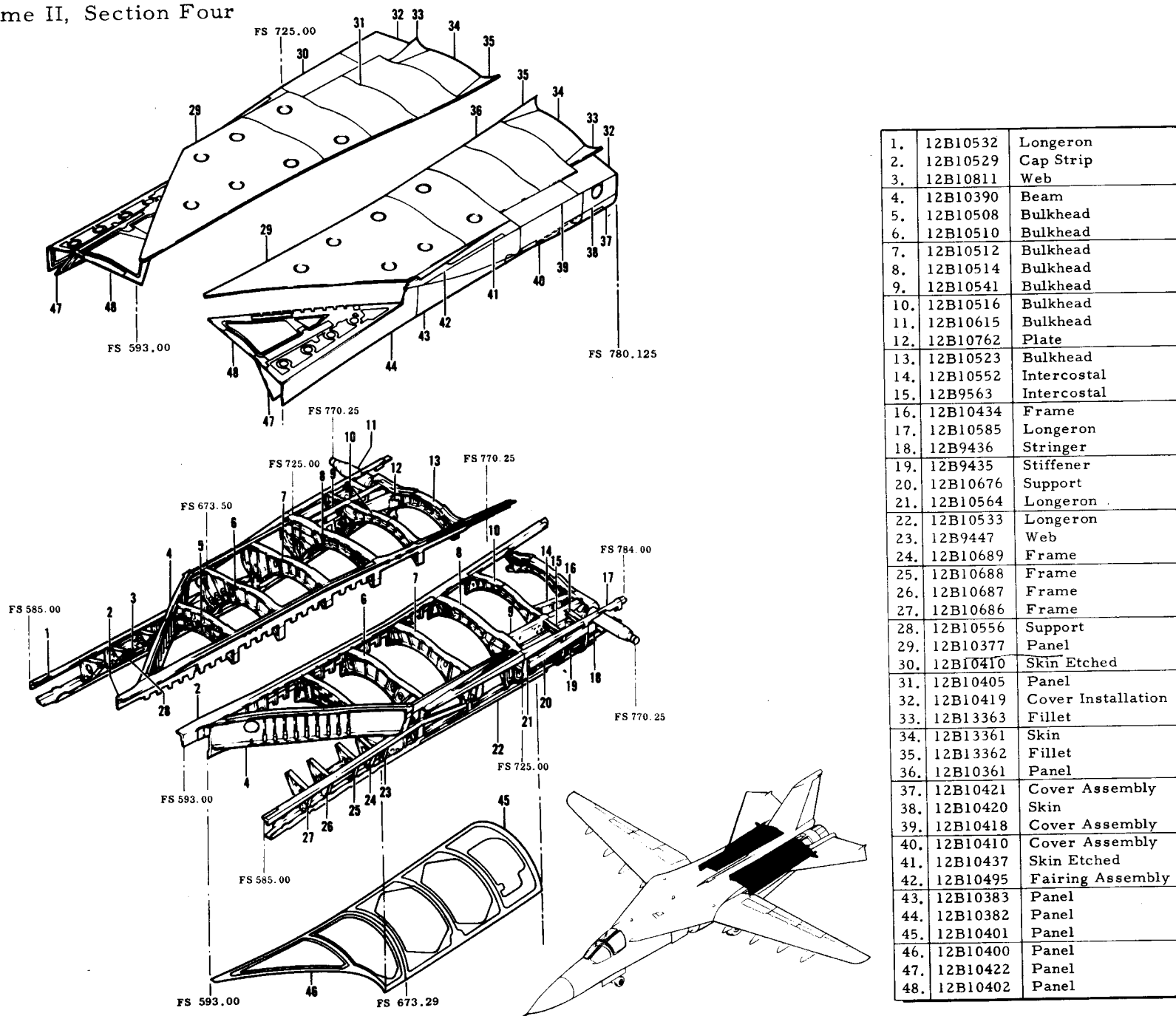


Figure 4-100 FB-111 AFT FUSELAGE OUTBOARD SUBASSEMBLY (Bomber 3 and On)

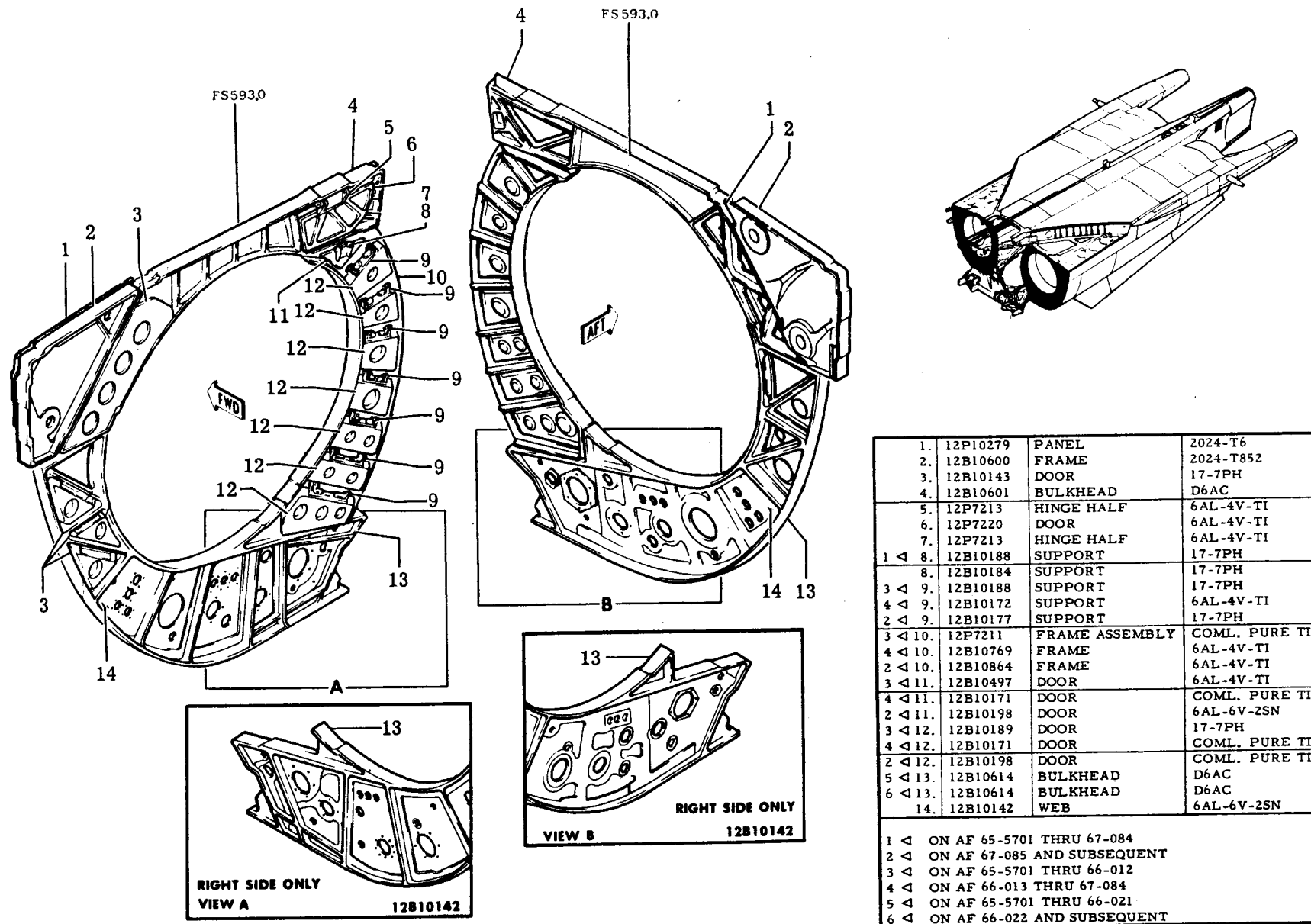
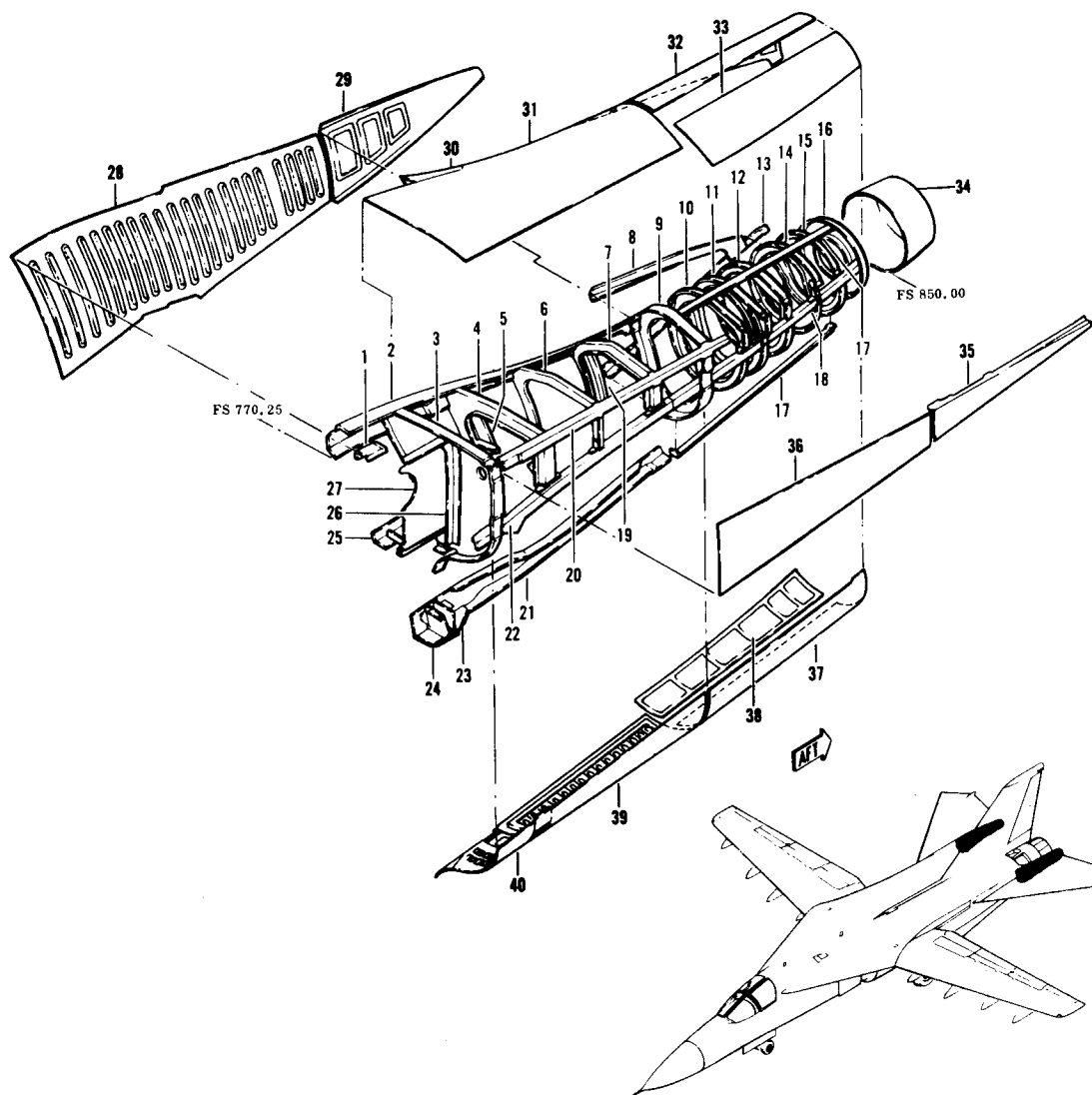
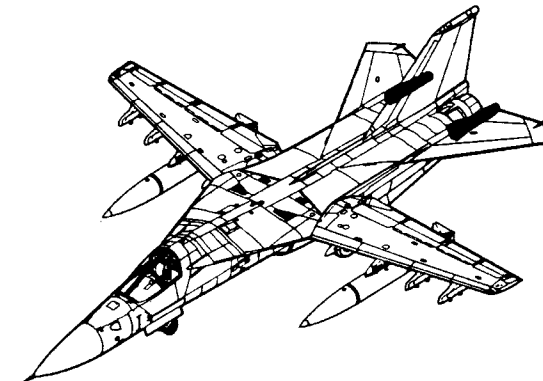
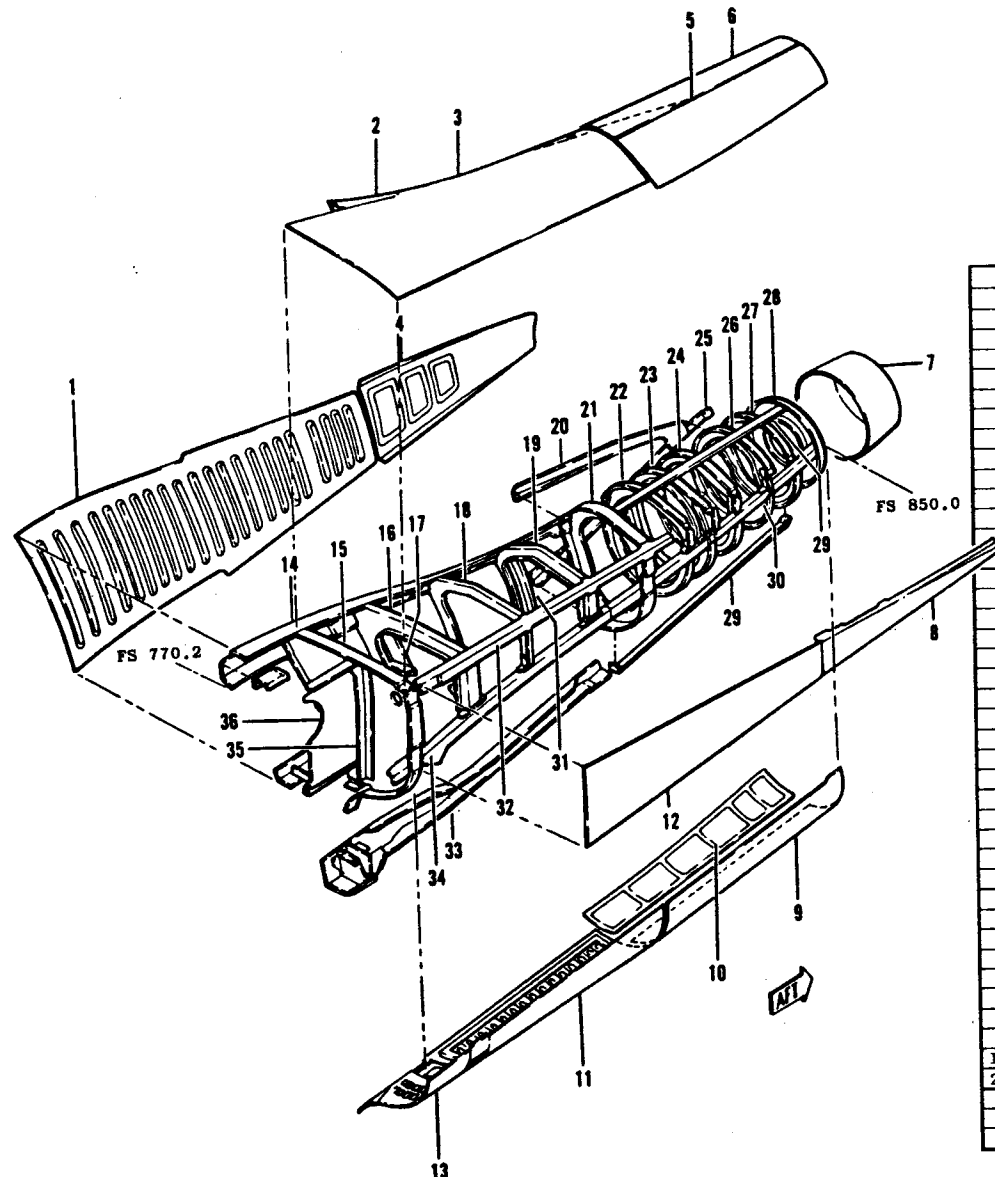


Figure 4-101 FRAME - STATION 593



1	12B10256	Stiffener
2	12B10256	Longeron
3	12B408	Frame
4	12B407	Frame
5	12B406	Frame
6	12B405	Frame
7	12B404	Frame
8	12B13309	Longeron
9	12B402	Frame
10	12B13312	Frame
11	12B13305	Frame
12	12B13313	Frame
13	12B13310	Longeron
14	12B13306	Frame
15	12B13314	Frame
16	12B13307	Frame
17	12B13311	Strap
18	12B10257	Longeron
19	12B403	Frame
20	12B10255	Longeron
21	12B409	Longeron
22	12B409	Longeron
23	12B416	Strap
24	12B411	Support
25	12B10533	Longeron
26	12B9287	Stiffener
27	12B9287	Web
28	12B10204	Skin
29	12B13300	Skin
30	12B10055	Fairing
31	12B10205	Skin
32	12B13301	Skin
33	12B13302	Skin
34	12B13222	Cone Installation
35	12B10073	Skin
36	12B10225	Skin Bonded Assembly
37	12B13303	Skin
38	12B13304	Skin
39	12B415	Door
40	12B420	Door

Figure 4-102 F-111A SPEED BUMPS - STRUCTURE

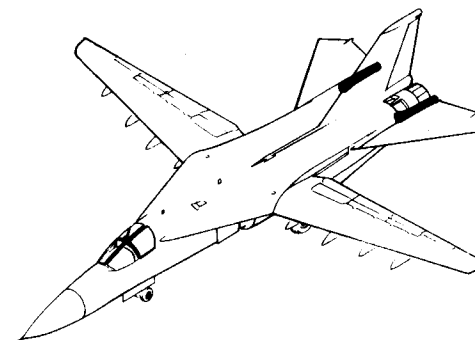
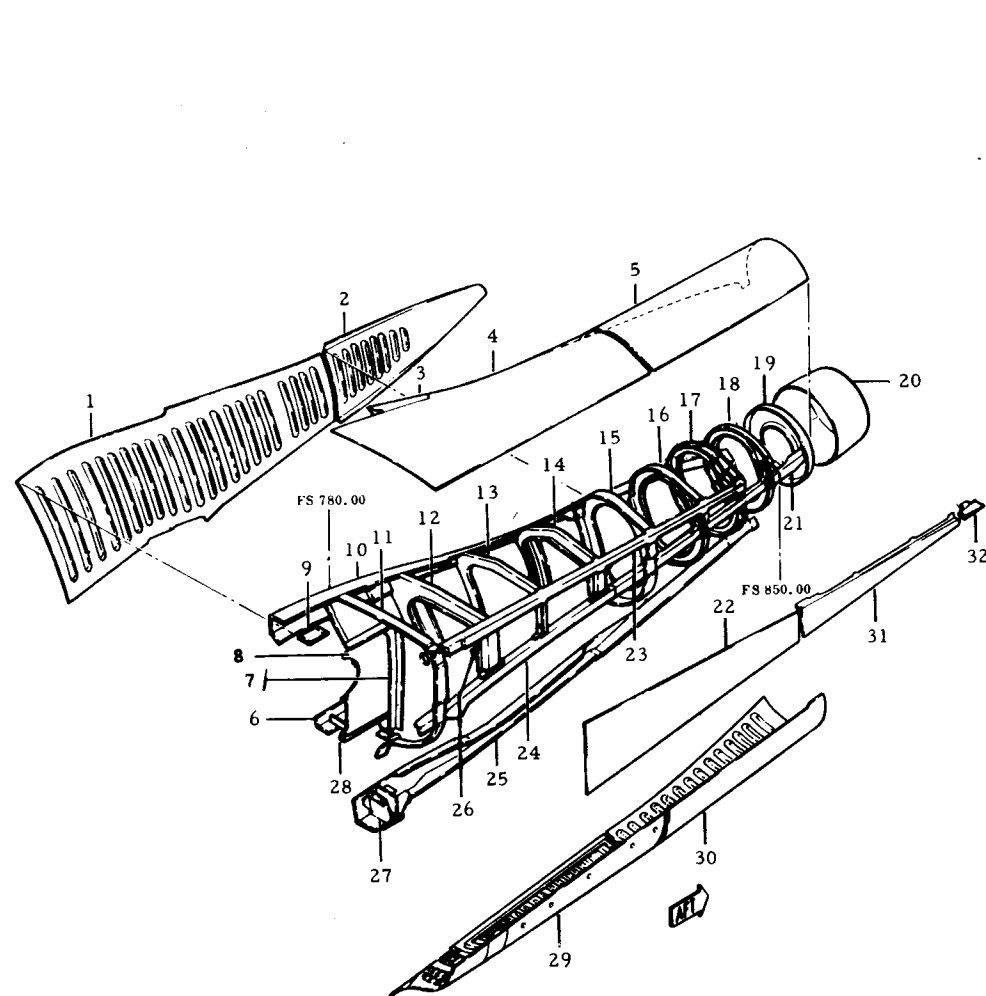


1	12B10204	SKIN (BEADED ASSEMBLY)	ALUMINUM
2	12B10055	FAIRING	REINF PLASTIC
3	12B10205	SKIN (BEADED ASSEMBLY)	ALUMINUM
4	12B13300	SKIN (ETCHED)	0.063 x 11 x 27 CRES 321
5	12B13302	SKIN (ETCHED)	0.063 x 8 x 30 2024-T6
6	12B13301	SKIN (ETCHED)	0.063 x 11 x 27 CRES 321
7	12B13222	CONE INSTALLATION	
8	12B10073	SKIN (ETCHED)	0.080 x 5 x 30 2024-T6
9	12B13303	SKIN (ETCHED)	0.063 x 15 x 30 2024-T6
10	12B13304	SKIN (ETCHED)	0.063 x 6 x 30 CRES 321
11	12B415	DOOR (BEADED ASSEMBLY)	ALUMINUM
12	12B10225	SKIN (BEADED ASSEMBLY)	ALUMINUM
13	12B420	DOOR (ETCHED)	0.157 x 6 x 14 2024-T6
14	12B10256	LONGERON (ETCHED)	0.125 x 7 x 53 2024-T6
15	12B408	FRAME	0.063 x 20 x 22 2024-T6
16	12B407	FRAME	0.040 x 14 x 18 2024-T6
17	12B406	FRAME	0.040 x 4 x 14 2024-T6
18	12B405	FRAME	0.040 x 14 x 16 2024-T6
19	12B404	FRAME	0.040 x 14 x 16 2024-T6
20	12B13309	LONGERON (ETCHED)	0.125 x 4 x 27 CRES 321
21	12B402	FRAME	0.050 x 17 x 18 2024-T6
22	12B13312	FRAME	0.032 x 15 x 16 CRES 321
23	12B13305	FRAME	0.032 x 15 x 16 CRES 321
24	12B13313	FRAME	0.032 x 14 x 15 CRES 321
25	12B13310	LONGERON (ETCHED)	0.125 x 3 x 30 CRES 321
26	12B13306	FRAME	0.032 x 14 x 14 CRES 321
27	12B13314	FRAME	0.032 x 13 x 14 CRES 321
28	12B13307	FRAME	0.032 x 14 x 14 CRES 321
29	12B13311	STRAP	0.032 x 2 x 30 CRES 321
30	12B10257	LONGERON	0.036 x 3 x 35 2024-T6
31	12B403	FRAME	0.040 x 3 x 10 2024-T6
32	12B10255	LONGERON	0.125 x 3 x 43 17-7PH-TH1050
33	12B409	LONGERON	0.160 x 8 x 53 2024-T6
34	12B410	LONGERON	0.091 x 4 x 43 17-7PH-TH1050
35	12B10287	STIFFENER	0.080 x 2 x 17 2024-T6
1 < 36	12B10287	WEB	0.090 x 9 x 14 2024-T6
2 < 36	12B10163	WEB	0.080 x 9 x 13 6AL-6V-2SN

1 < ON AF 67-115 THRU 68-042
2 < ON AF 68-043 AND SUBSEQUENT

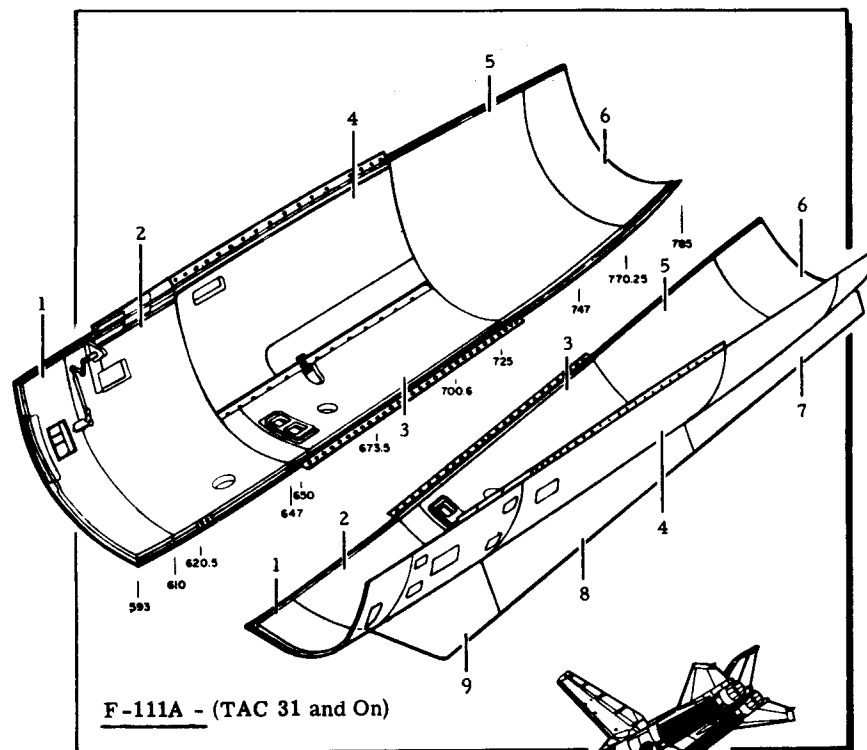
Figure 4-102A

SPEED BUMPS - STRUCTURE (F-111E: A1 160-On)

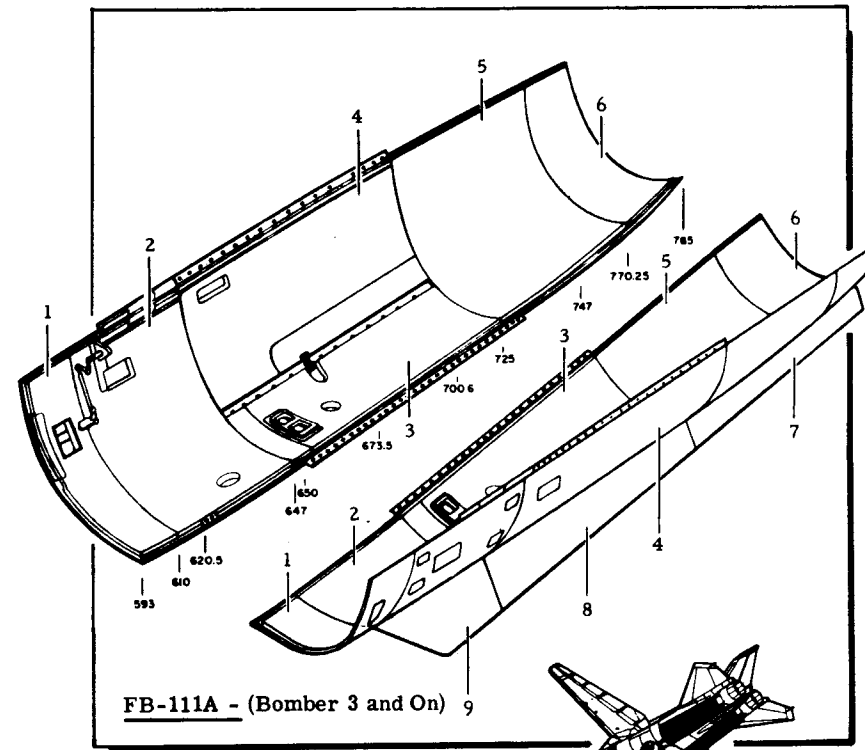


1.	12B13389	Panel, Sta. 772.75-820
2.	12B13437	Panel, Sta. 820-846 Inbd.
3.	12B13444	Fairing, Sta. 783.3-795 Upr.
4.	12B13438	Panel, Sta. 780-820 Top
5.	12B13439	Panel, Sta. 780-820 Top
6.	12B13480	Bracket, Sta. 770.812-780
7.	12B10287	Stiffener Sta. 780
8.	12B10287	Web, Sta. 772-780
9.	12B13448	Shim Sta. 775
10.	12B13384	Longeron, Sta. 770-842
11.	12B13375	Bulkhead, Sta. 780
12.	12B13376	Frame, Sta. 789.17
13.	12B13377	Frame, Sta. 799.17
14.	12B13378	Frame Sta. 809.78
15.	12B13380	Bulkhead, Sta. 820
16.	12B13426	Frame Sta. 827.50 Stiffener
17.	12B13427	Frame Sta. 835.70 Stiffener
18.	12B13431	Frame Sta. 842.50
19.	12B13428	Frame Sta. 849.19
20.	12B13396	Cone, Sta. 849-855
21.	12B13495	Clip Sta. 845-849
22.	12B13393	Panel, Sta. 780-820 Top
23.	12B13387	Longeron, Sta. 781-835
24.	12B13388	Longeron, Sta. 780-850
25.	12B13386	Longeron, Sta. 774-850
26.	12M9611	Support Sta. 780
27.	12B13385	Bracket Sta. 775
28.	12B13545	Hinge, Sta. 772.75-784.6 Upr. (Annulus)
29.	12B13397	Panel, Sta. 780-820
30.	12B13442	Panel, Sta. 820-850 Lwr.
31.	12B13441	Panel, Sta. 820-845.375
32.	12B9670	Trailing Edge, Sta. 845.375-850

Figure 4-103 FB-111 SPEED BUMPS - STRUCTURE (Bomber 3 and On)



1.	12B10014	Engine Door #1
2.	12B10011	Engine Door #2
3.	12B10015	Engine Door #4
4.	12B10012	Engine Door #3
5.	12B10013	Engine Door #5
6.	12B13226	Fairing, Lower
7.	12B10416	Strake, Door #5
8.	12B10415	Strake, Door #3
9.	12B10414	Strake, Door #2



1.	12B10014	Engine Door #1
2.	12B13411	Engine Door #2
3.	12B13415	Engine Door #4
4.	12B13412	Engine Door #3
5.	12B13413	Engine Door #5
6.	12B13351	Fairing, Lower
7.	12B13457	Strake, Door #5
8.	12B13456	Strake, Door #3
9.	12B13416	Strake, Door #2

Figure 4-104

ENGINE ACCESS DOORS AND LOWER FAIRING

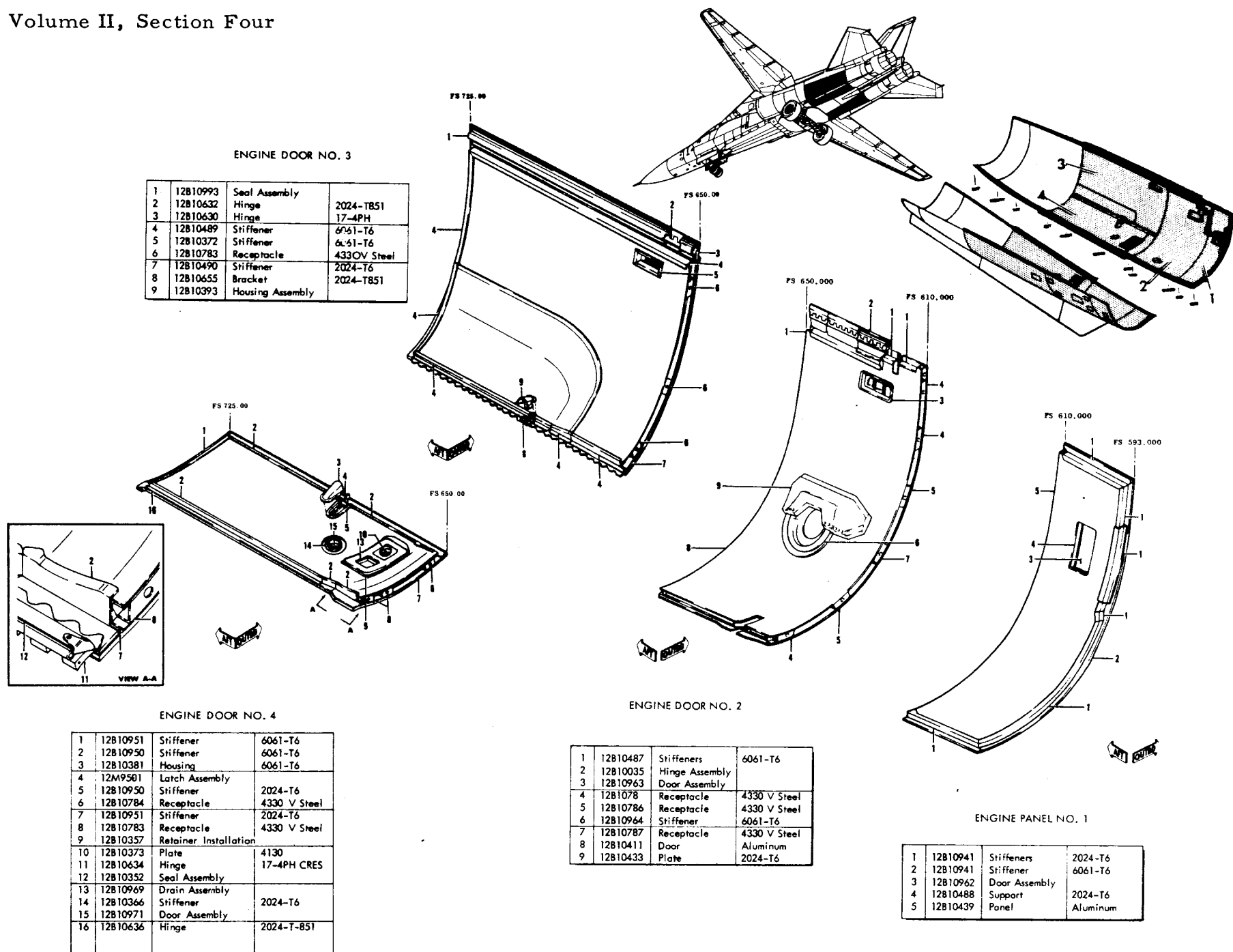


Figure 4-105 ENGINE DOORS - NUMBERS 1, 2, 3, AND 4

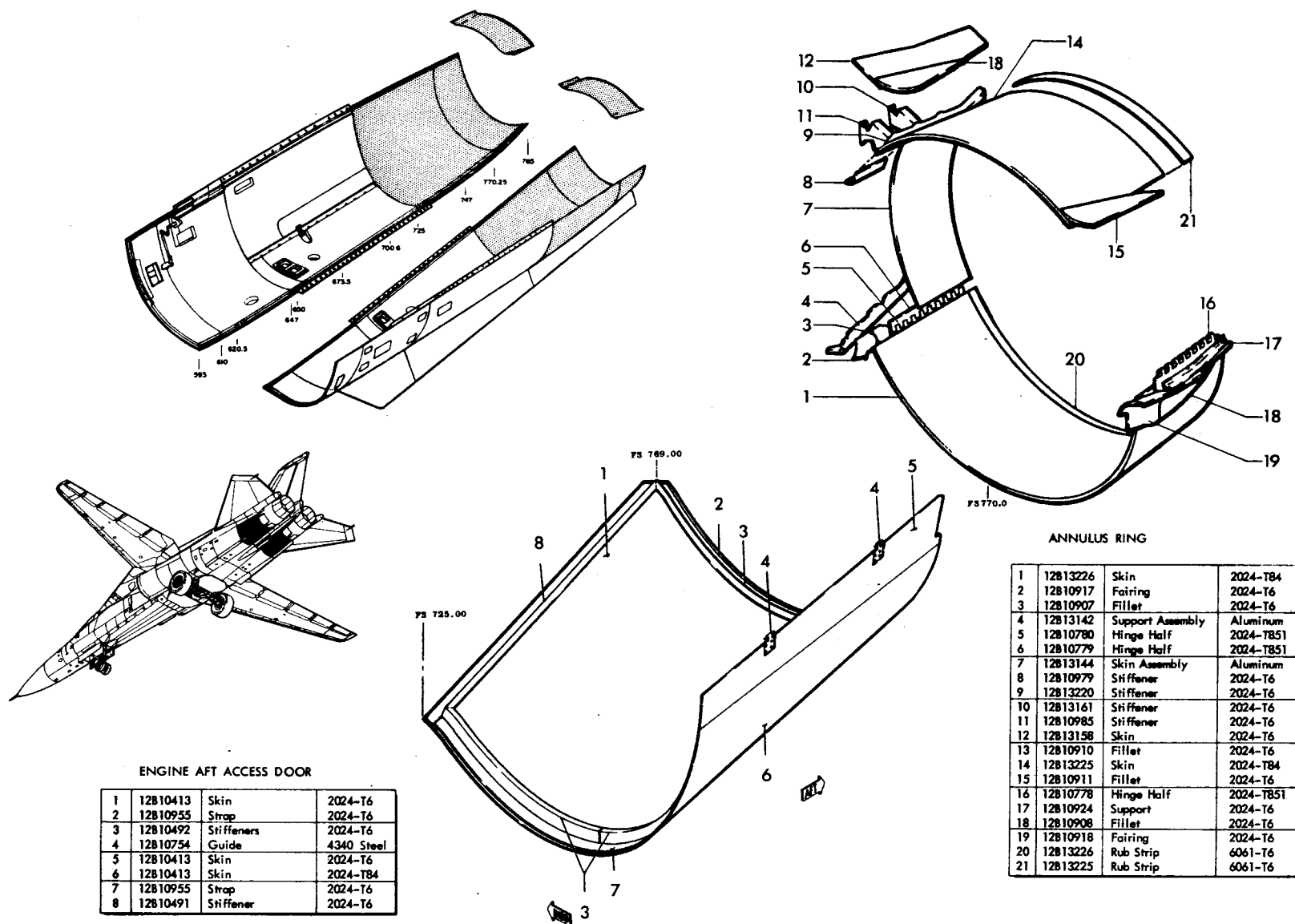


Figure 4-106 ENGINE DOORS - NUMBER 5 and FAIRING

1.	12B10414 (19-30)	STRAKE, ENGINE DOOR FORWARD
1.	12B10430 (31-54)	STRAKE, ENGINE DOOR FORWARD
1.	12B13416 (55-ON)	STRAKE, ENGINE DOOR FORWARD
2.	12B10415	STRAKE, ENGINE DOOR MIDDLE
3.	12B10416	STRAKE, ENGINE DOOR AFT
4.	12B10659 (19-50)	SUPPORT
5.	12B8942	SEAL ASSEMBLY
6.	12B10660	SUPPORT
7.	12B10661	SUPPORT
8.	12B9365	STIFFENER
9.	12B10431 (30-50)	SUPPORT
10.	12B10897 (51-ON)	SUPPORT

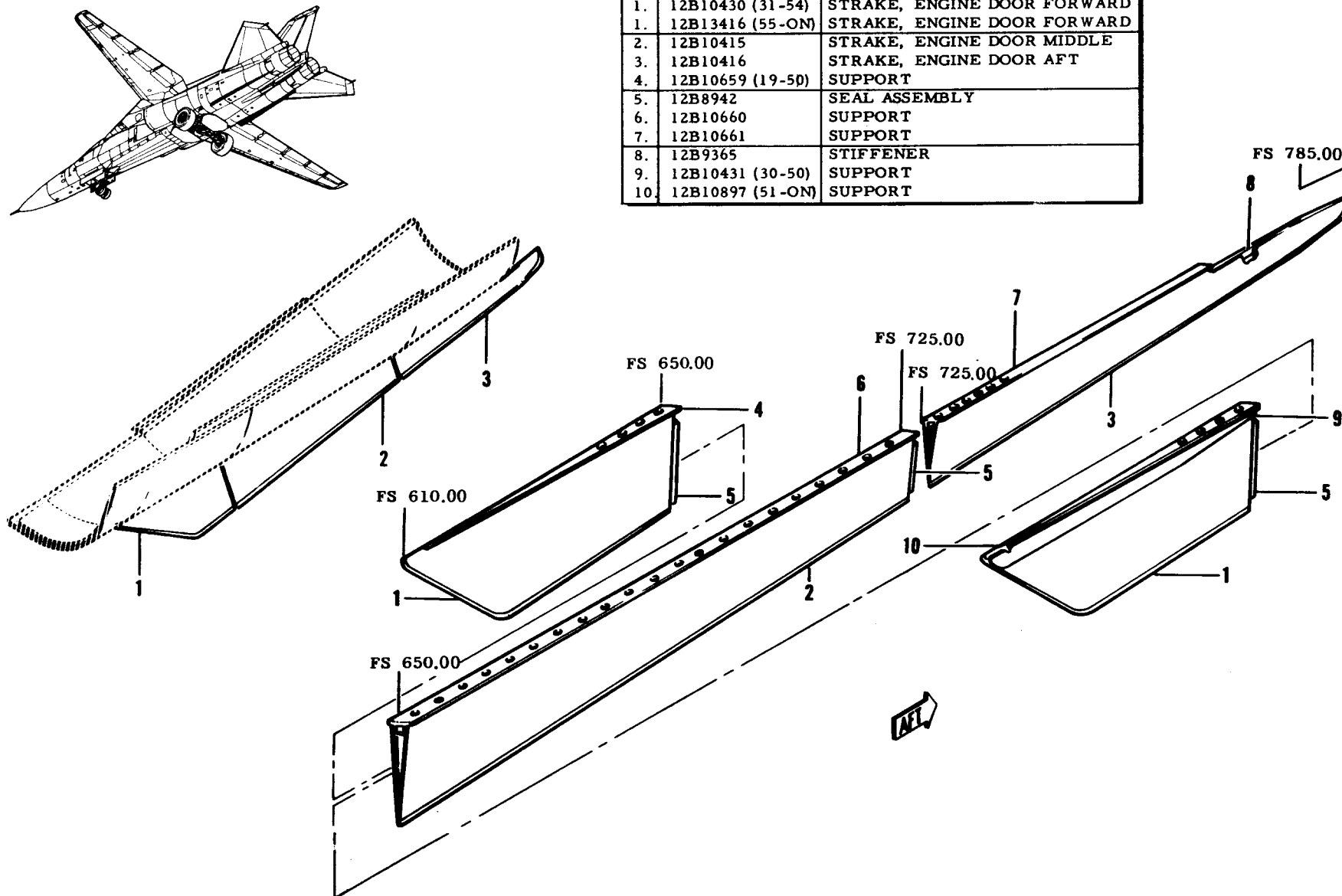


Figure4-107 STRAKE ASSEMBLIES

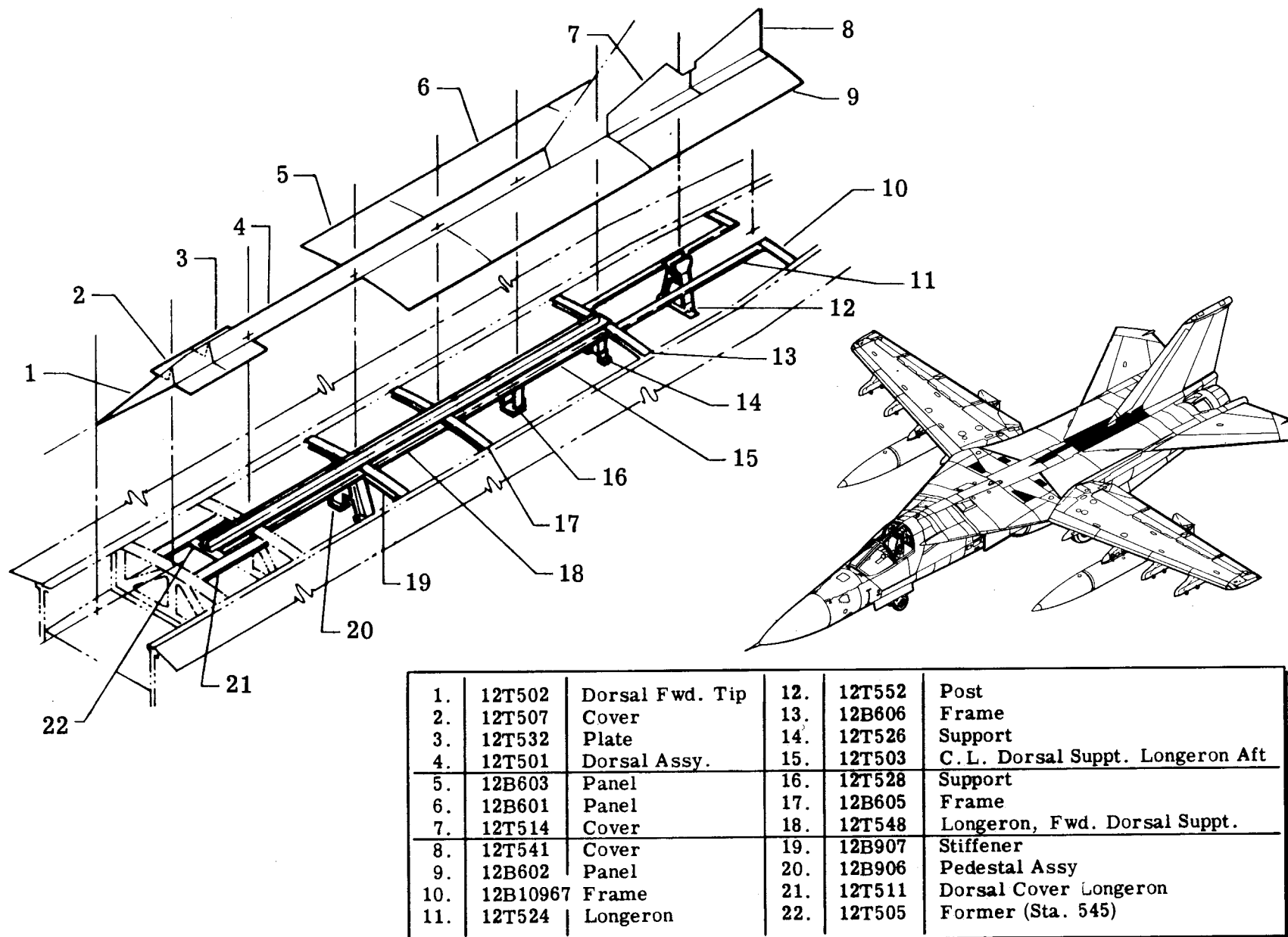


Figure 4-108 DORSAL AND EQUIPMENT TUNNEL STRUCTURE

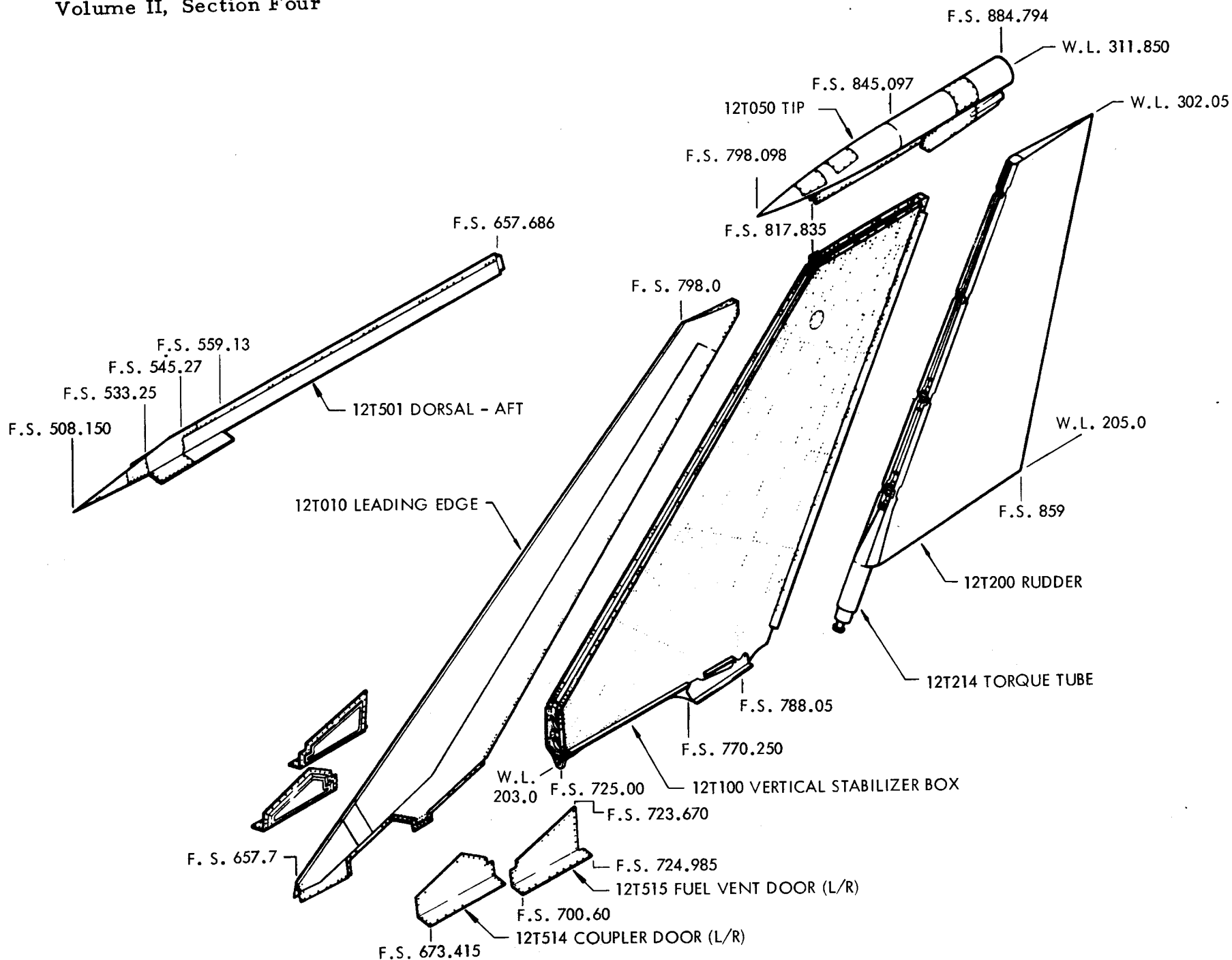
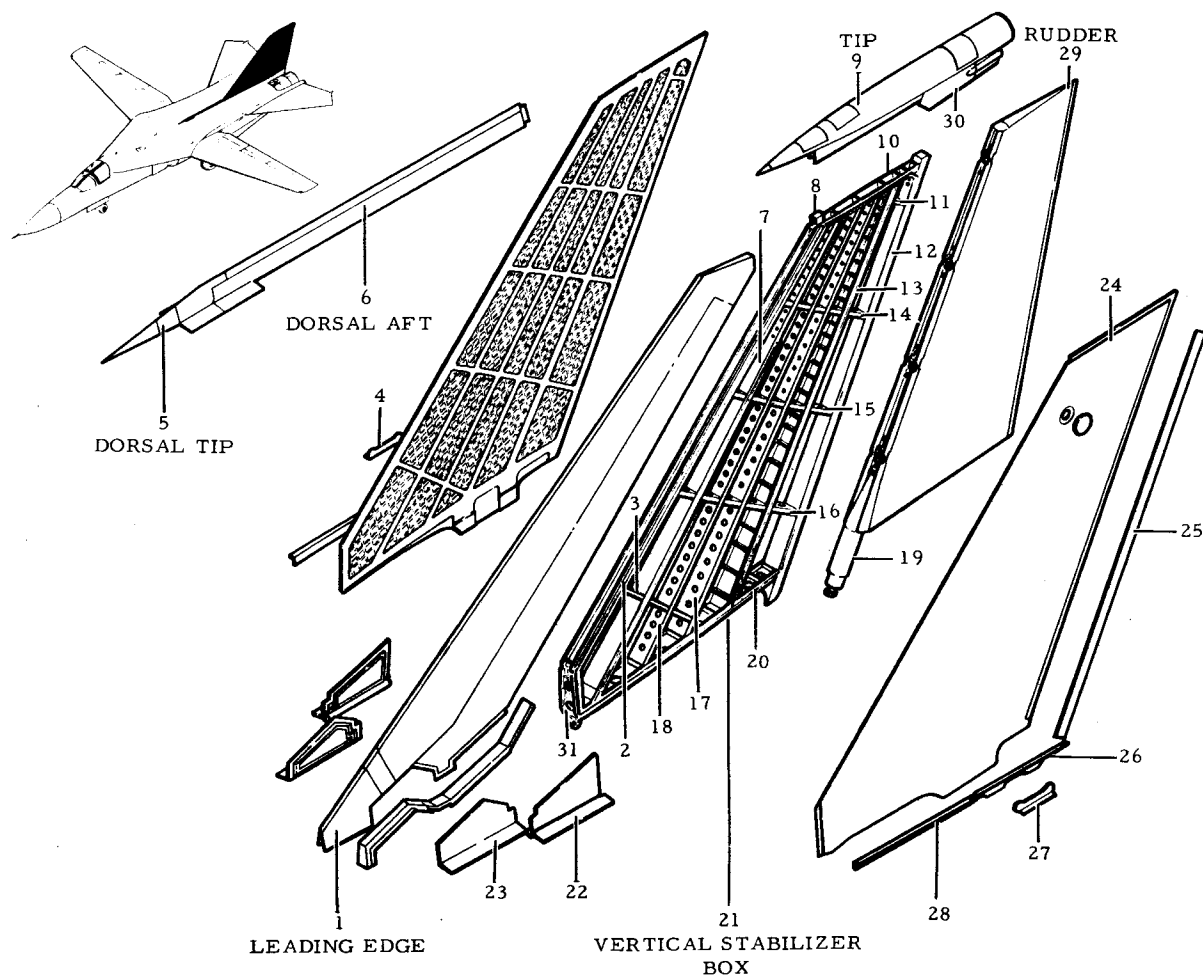


Figure 4-109 VERTICAL STABILIZER PRODUCTION BREAKDOWN

Dorsal Tip	12T502 12T536	Assembly Installation	Rudder	12T400 12T401	Assembly Installation
Dorsal Aft	12T501 12T536	Assembly Installation	Vertical Stab. Box	12T301 12T304	Assembly Installation
Tip	12T050 12T002	Assembly Installation	Vertical Stabilizer	12T300	Assembly



1.	12T003 12T010	Leading Edge
2.	12T311	Front Spar
3.	12T350 thru 12T352	Rib No. 0
4.	12B10545	Drag Angle
5.	12T502	Dorsal Tip
6.	12T501	Dorsal Aft
7.	12T312	Spar No. 2
8.	12T339	Tip Rib Post
9.	12T002 12T050	Tip
10.	12T338	Tip Rib
11.	12T337	Rib No. 4
12.	12T316	Spar No. 6
13.	12T315	Spar No. 5
14.	12T332 thru 12T336	Rib No. 3
15.	12T327 thru 12T331	Rib No. 2
16.	12T322 thru 12T326	Rib No. 1
17.	12T314	Spar No. 4
18.	12T313	Spar No. 3
19.	12T406	Torque Tube
20.	12T317	Base Rib
21.	12T300 12T301	Vertical Stabilizer Box
22.	12T541	Fuel Vent Door
23.	12T514	Coupler Door
24.	12T308 12T309 12T310	Skin Machining Skin, Chem. Milling Skin, Routing
25.	12T178	Rudder Hinge Skin
26.	12B10304	Attach Angle
27.	12B10545	Drag Angle
28.	12T342	Fairing Attach Angle
29.	12T400	Rudder
30.	12T081	Access Cover
31.	12T340	Bulkhead

Figure 4-110 VERTICAL STABILIZER AND RUDDER

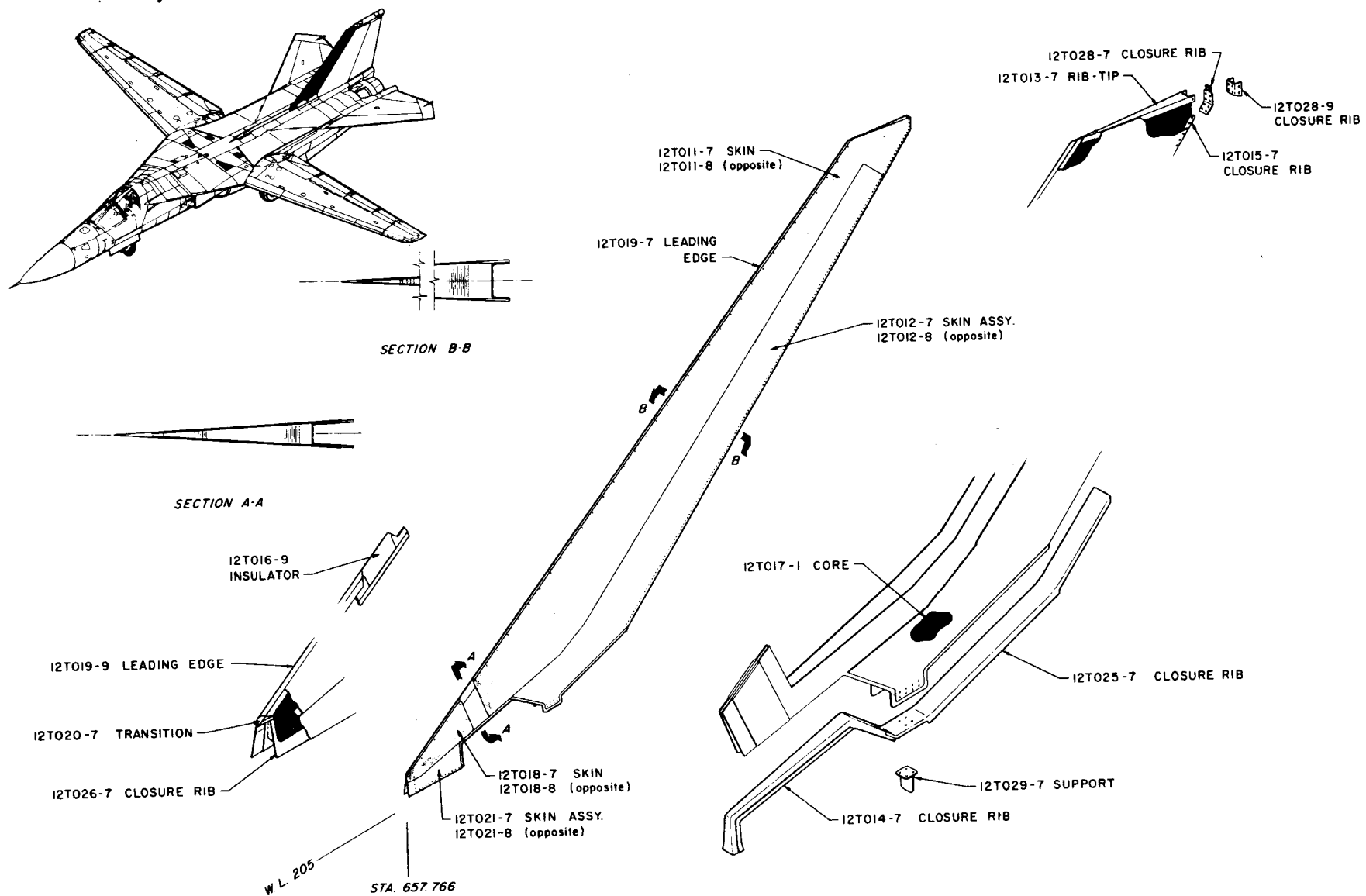


Figure 4-111 VERTICAL STABILIZER LEADING EDGE

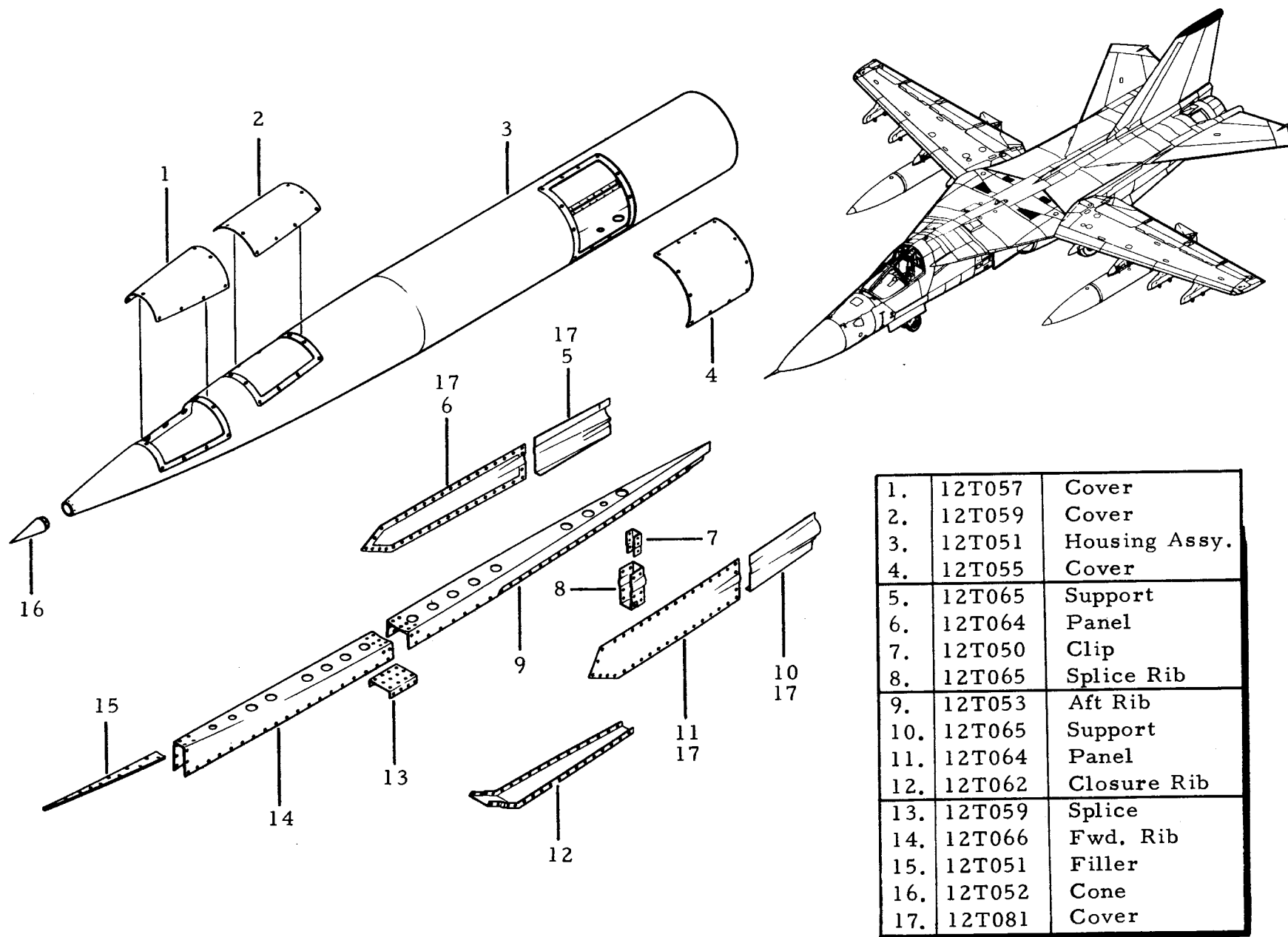


Figure 4-112 VERTICAL STABILIZER TIP

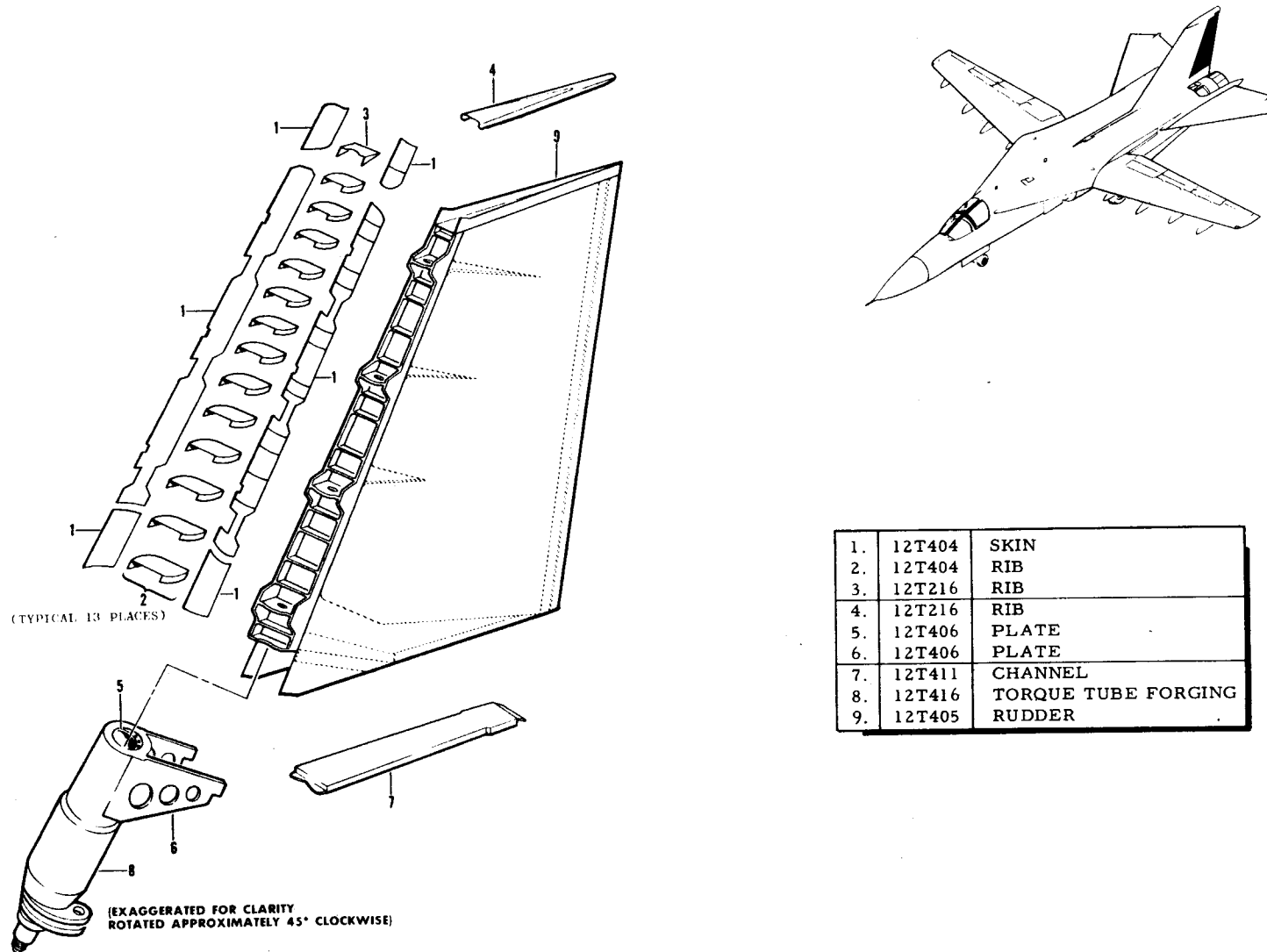
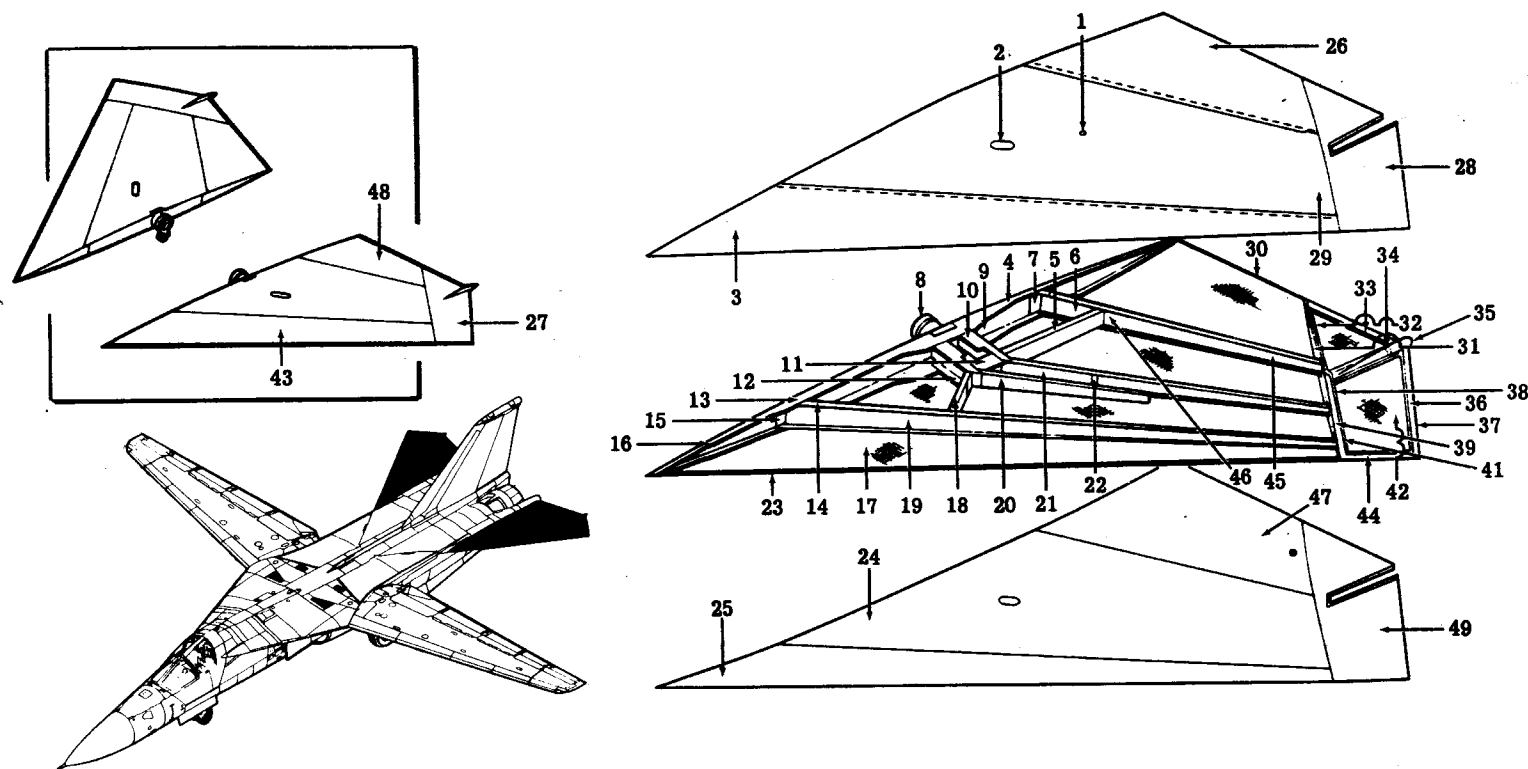


Figure4-113 RUDDER ASSEMBLY



	12T9200	Installation	16.	12T9212	Rib Root	33.	12T9614	Strip T. E.
	12T9201	Assembly	17.	12T9216	Core, Honeycomb	34.	12T9615	Splice, Radome (TAC only)
1.	12T9652	Plug, Hoist	18.	12T9639	Rib, Outbd. Fwd.	35.		Radome GD/FW
2.	12T9233	Cover, Hand Hole	19.	12T9211	Beam	36.	12T9240	Strip Assy.
3.	12T9210	Skin	20.	12T9633	Beam, Inbd. Fwd.	37.	12T9613	Strip Outbd.
4.	12T9215	Rib Root	21.	12T9634	Beam, Inbd. Aft	38.	12T9239	Rib. Assy.
5.	12T9640	Rib, Aft	22.	12T9644	Web, Honeycomb Closure	39.	12T9608	Rib, Outbd. Closure
6.	12T9230	Plate, Splice	23.	12T9609	Strip, L. E.	40.	12T9607	Rib, Outbd. Closure
7.	12T9231	Stiffener, Inbd. Aft	24.	12T9636	Skin	41.	12T9617	Block, Inbd. L. E.
8.	12T9600	Rib, Horn	25.	12T9210	Skin	42.	12T9235	Core
9.	12T9228	Rib, Aft, Stab. Sta. 8.625	26.	12T9213	Skin	43.	12T9205	L. E. Assy.
10.	12T9629	Fitting, Outbd. Bearing Support Aft.	27.	12T9202	Tip Cap Assy.	44.	12T9612	L. E. Strip.
11.	12T9632	Fitting, Outbd. Bearing Housing	28.	12T9237	Skin	45.	12T9214	Beam
12.	12T9626	Fitting, Outbd. Bearing Support Fwd.	29.	12T9636	Skin	46.	12T9606	Beam, Rear
13.	12T9637	Rib, Root Fwd.	30.	12T9611	Strip, L. E.	47.	12T9213	Skin
14.	12T9605	Beam, Front	31.	12T9638	Rib, Outbd. Closure	48.	12T9206	T. E. Assy.
15.	12T9230	Plate, Splice Beam	32.	12T9618	Block, Inbd. T. E.	49.	12T9237	Skin

Figure 4-114 HORIZONTAL STABILIZER

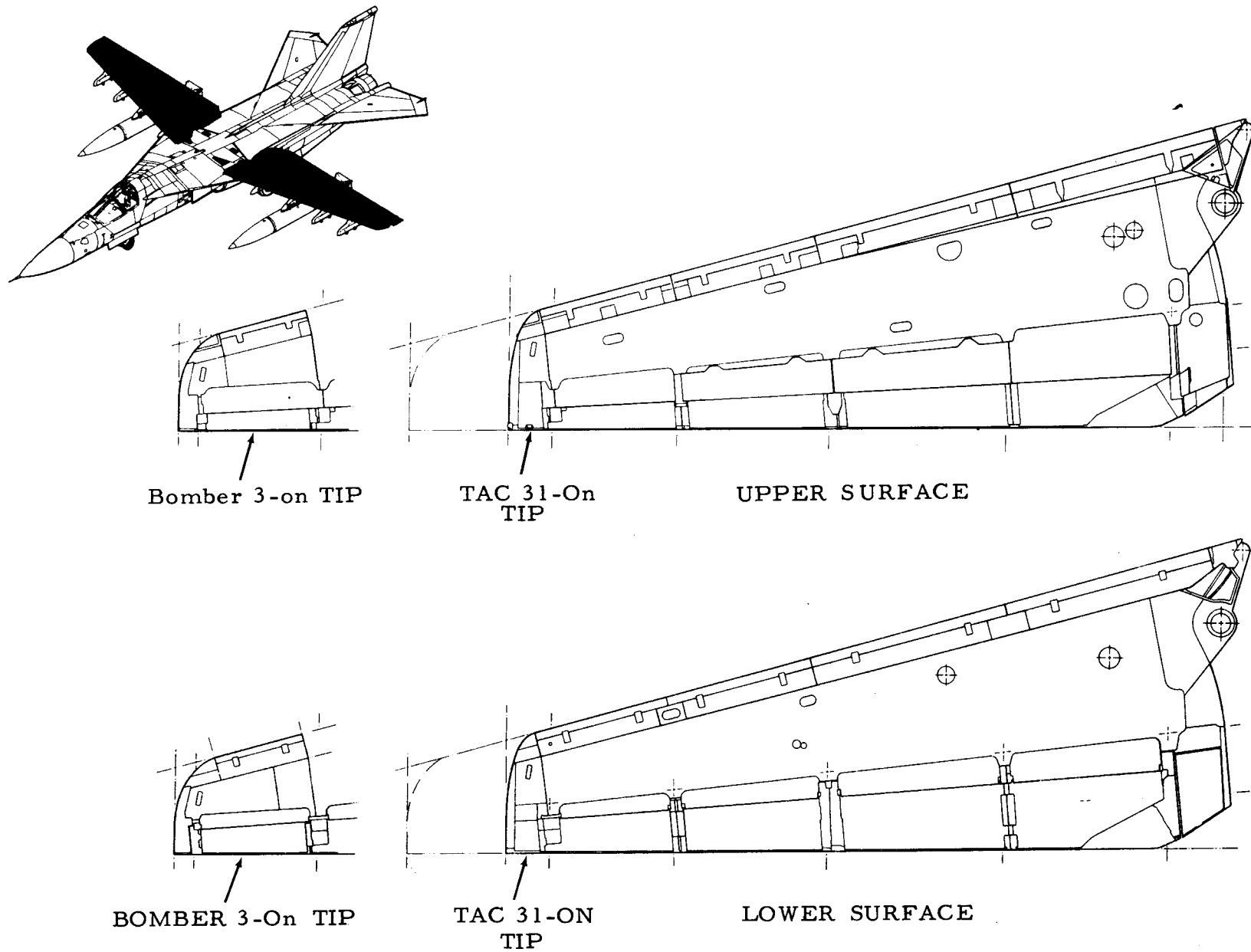


Figure 4-115 WING ASSEMBLY - PLAN VIEW

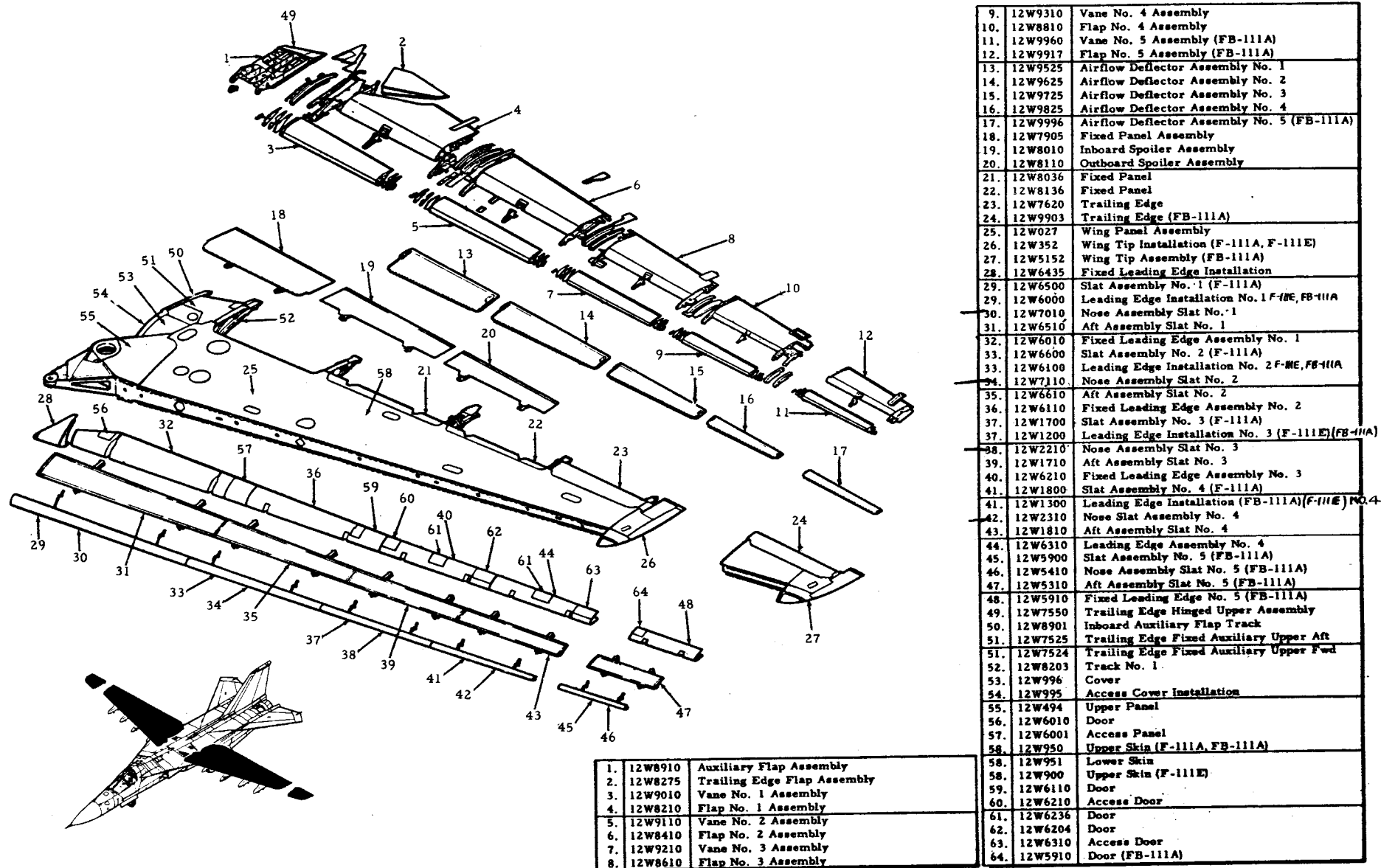


Figure 4-116 WING ASSEMBLY PRODUCTION BREAKDOWN

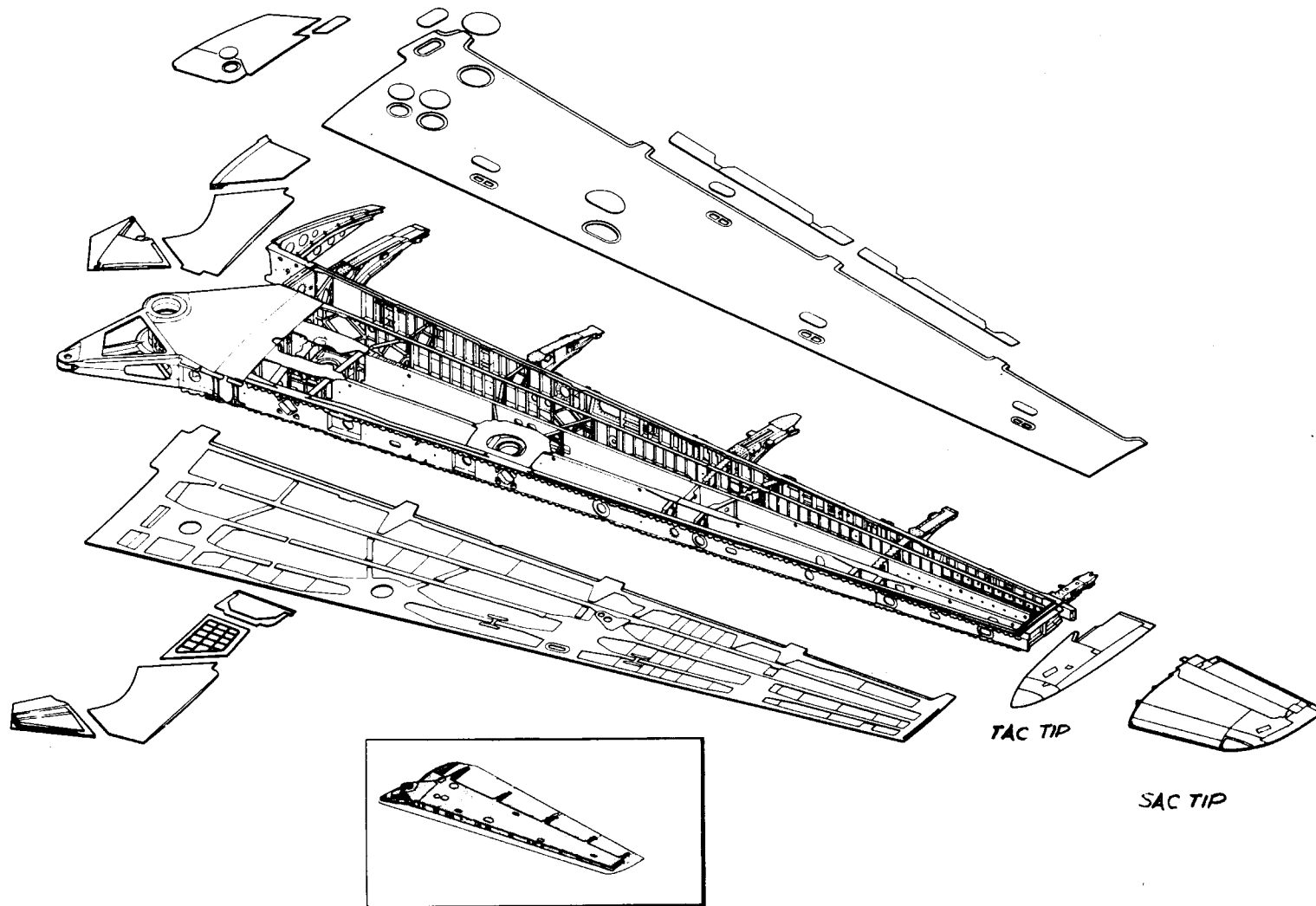


Figure 4-117 WING BOX STRUCTURE

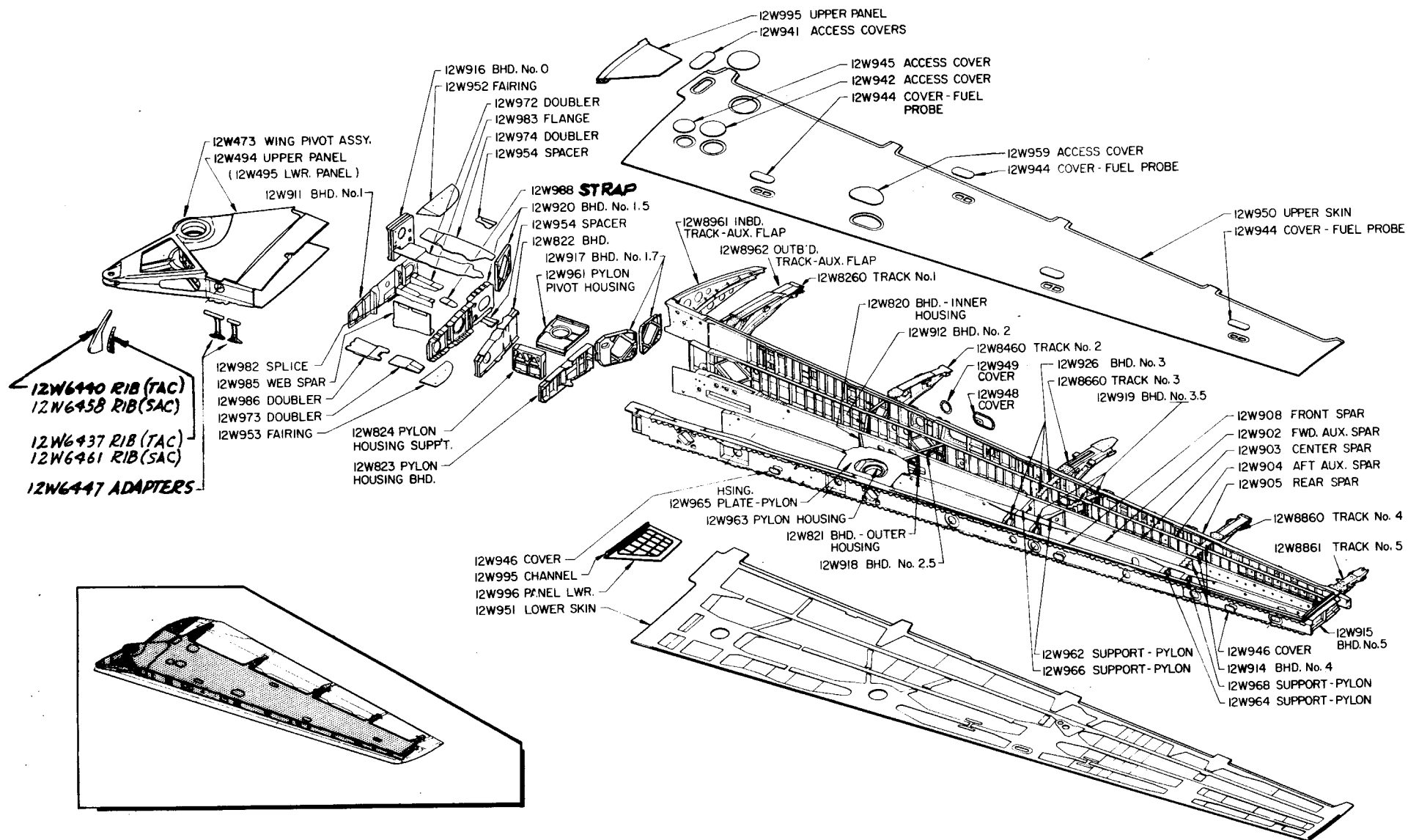


Figure 4-118 WING BOX ASSEMBLY

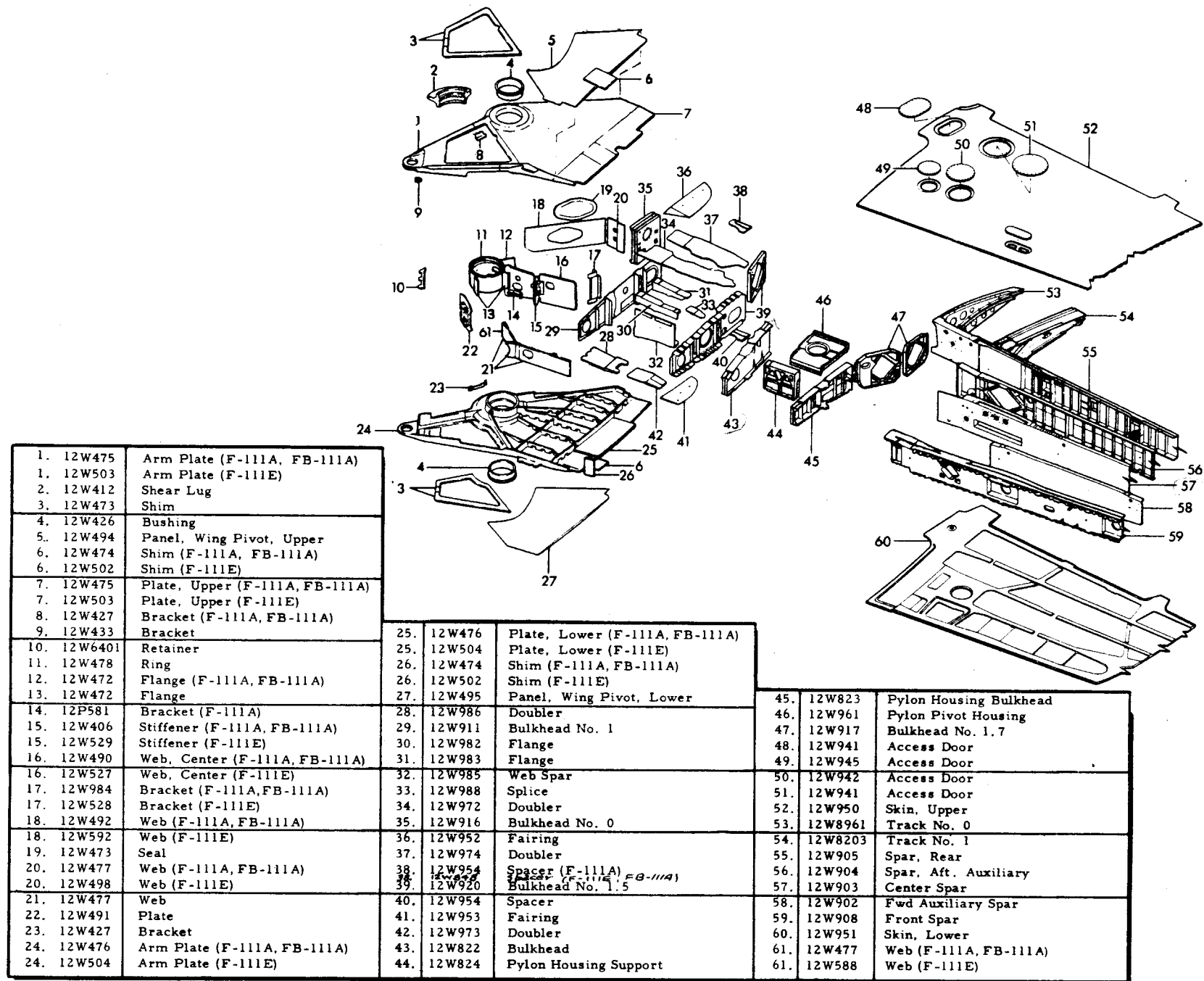


Figure 4-119 WING BOX/PIVOT FITTING SPLICE DETAIL

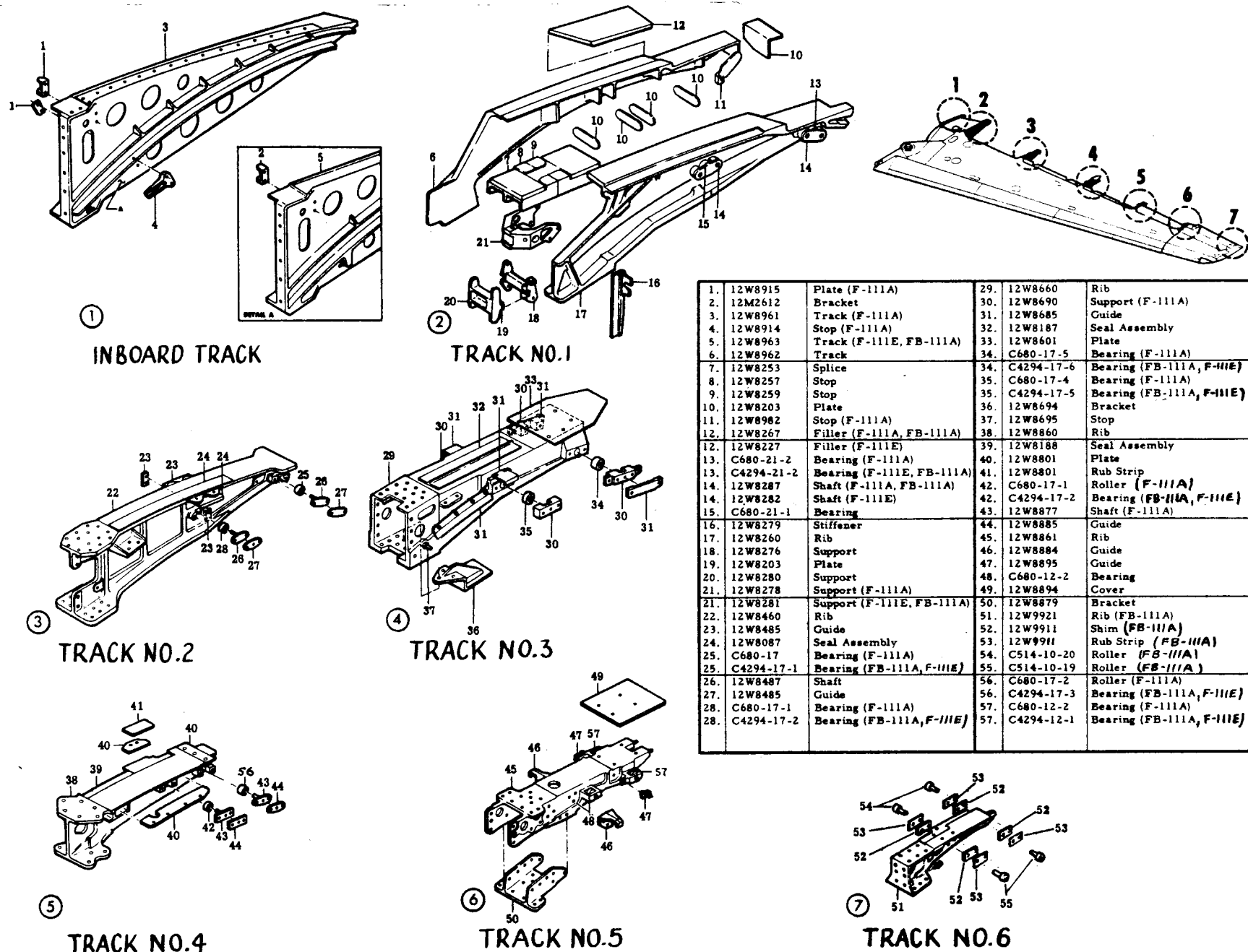


Figure 4-121 WING TRAILING EDGE FLAP TRACK RIBS

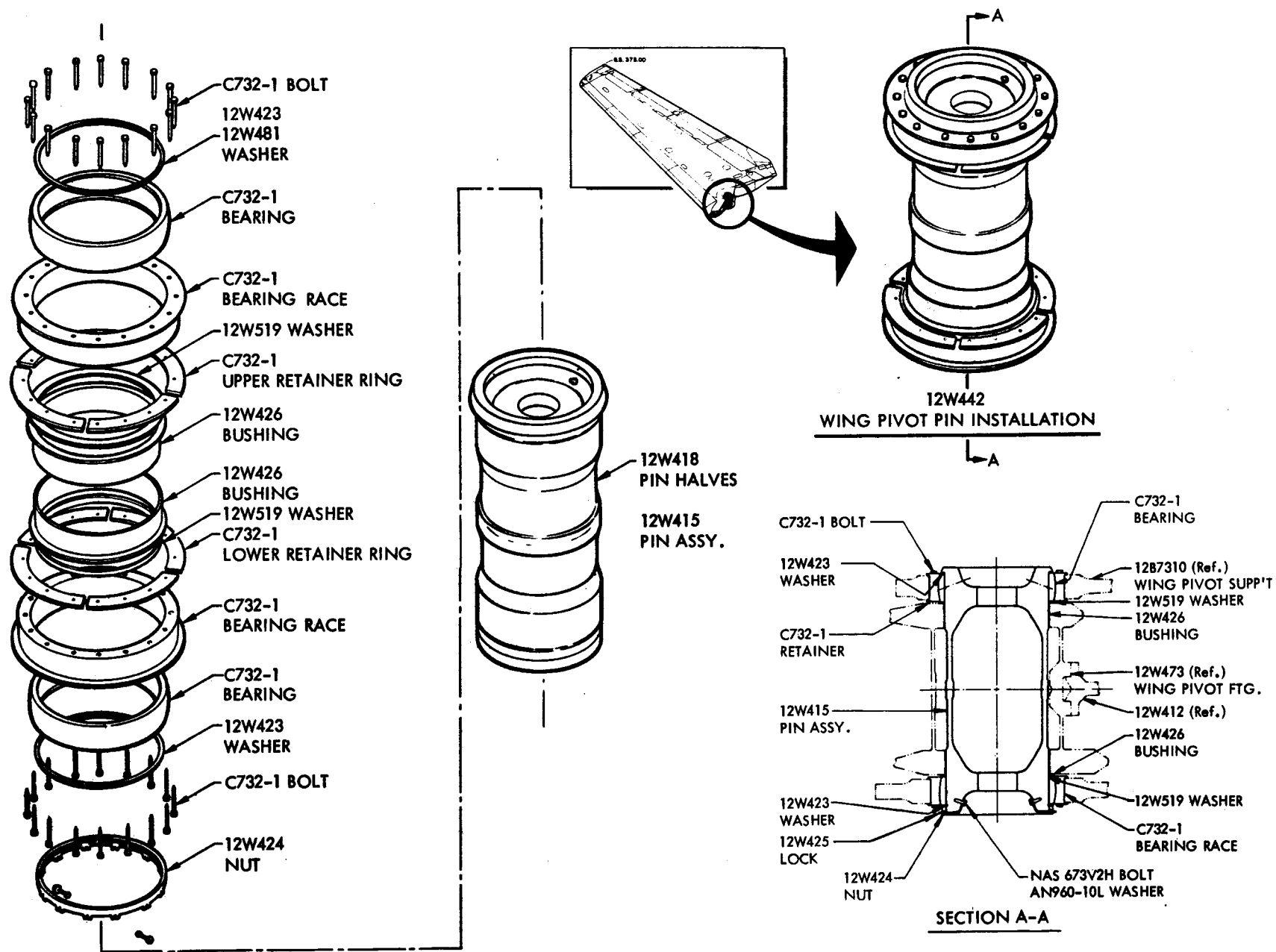


Figure 4-122 WING PIVOT PIN

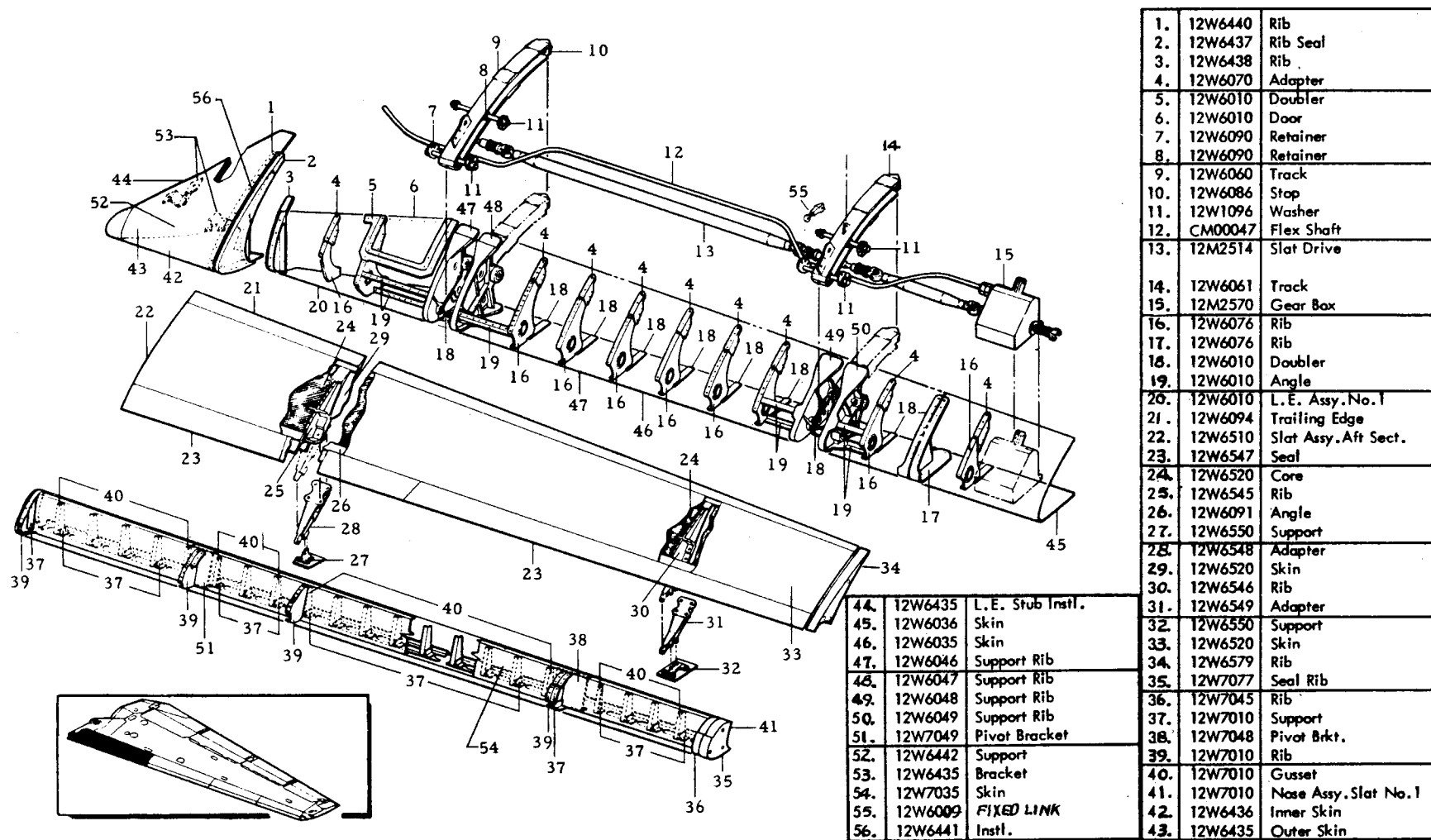


Figure 4-123 WING LEADING EDGE ASSEMBLY NO. 1 (F-111A: A1 31-159)

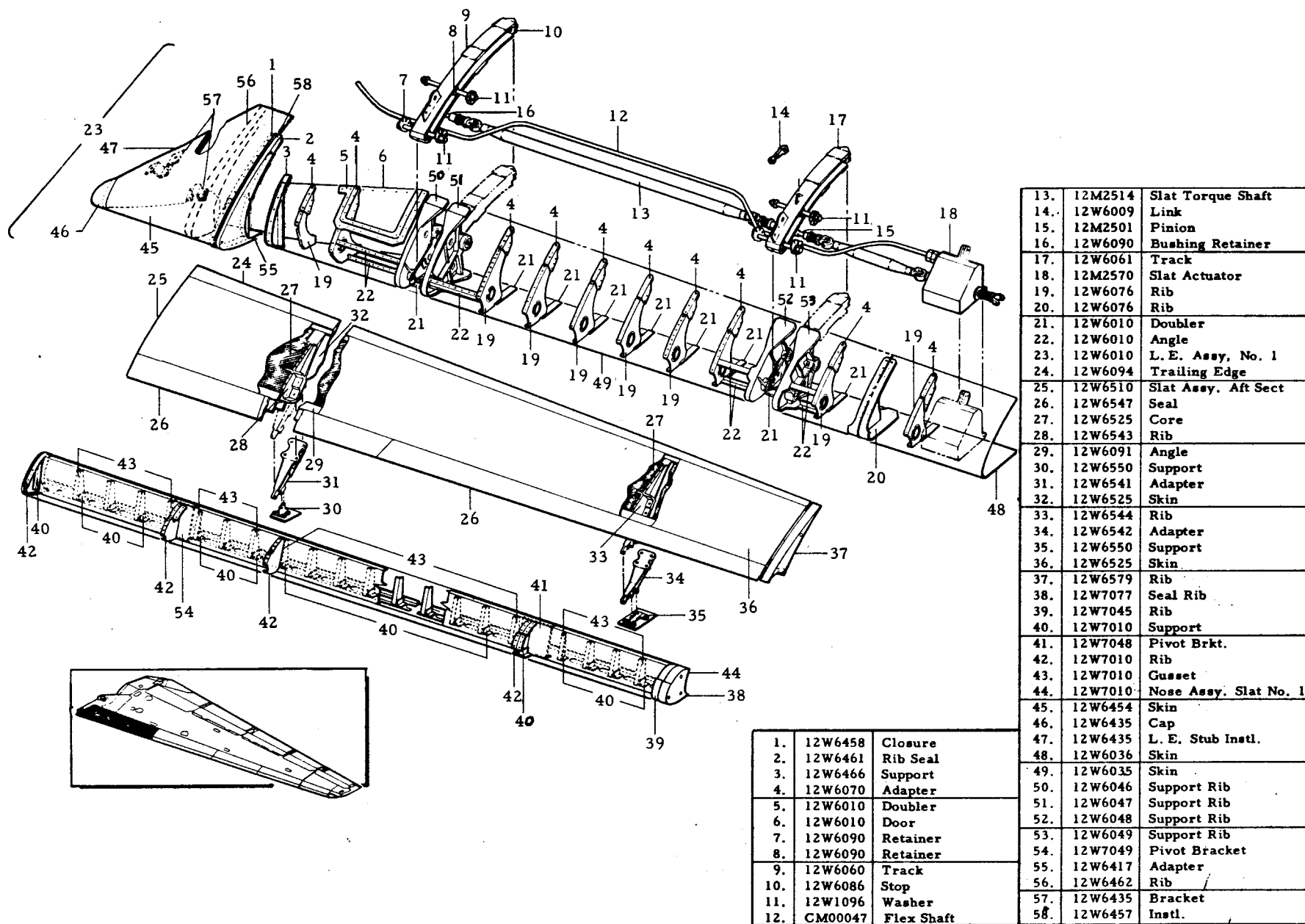


Figure 4-124 WING LEADING EDGE ASSEMBLY NO. 1

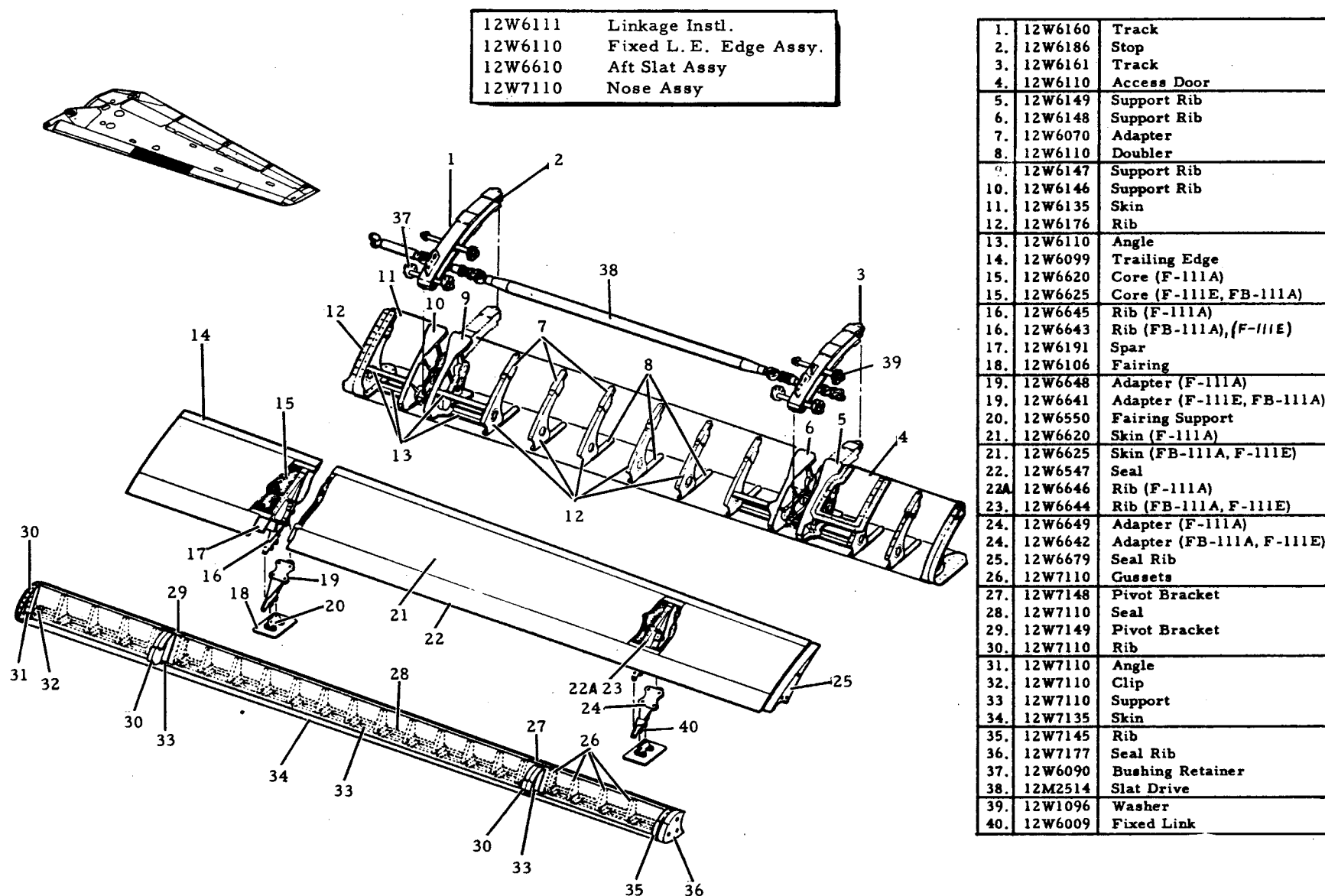


Figure 4-125 WING LEADING EDGE ASSEMBLY NO. 2

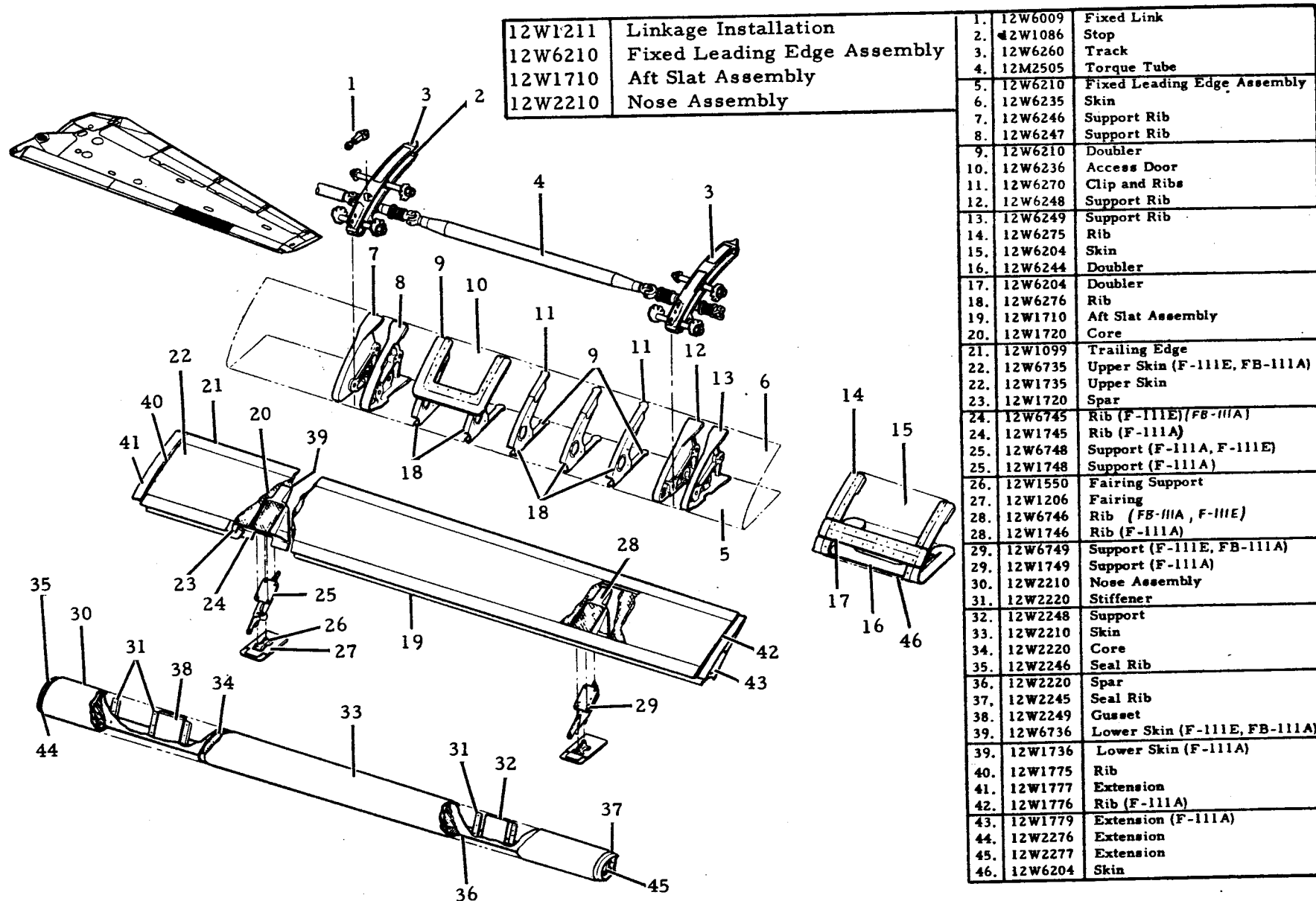
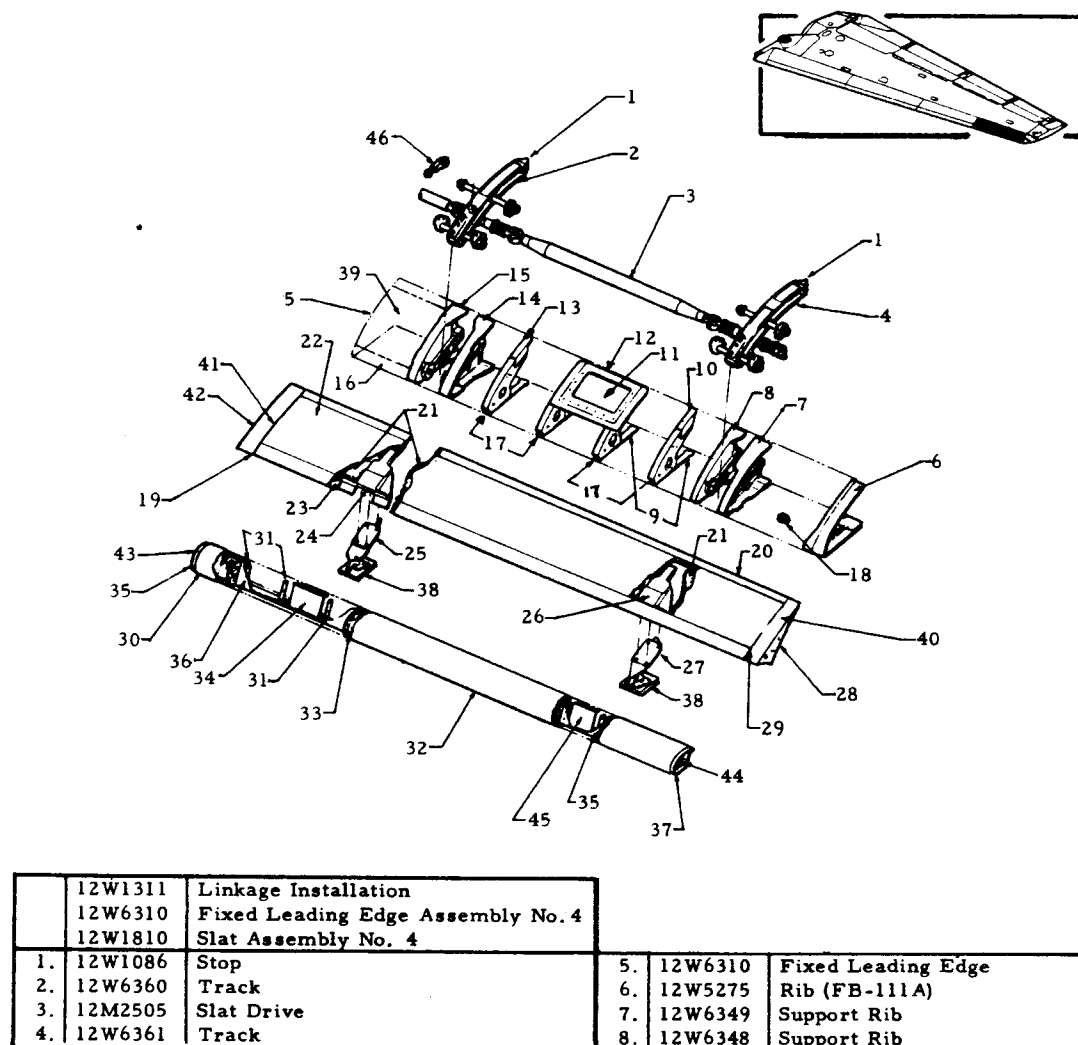
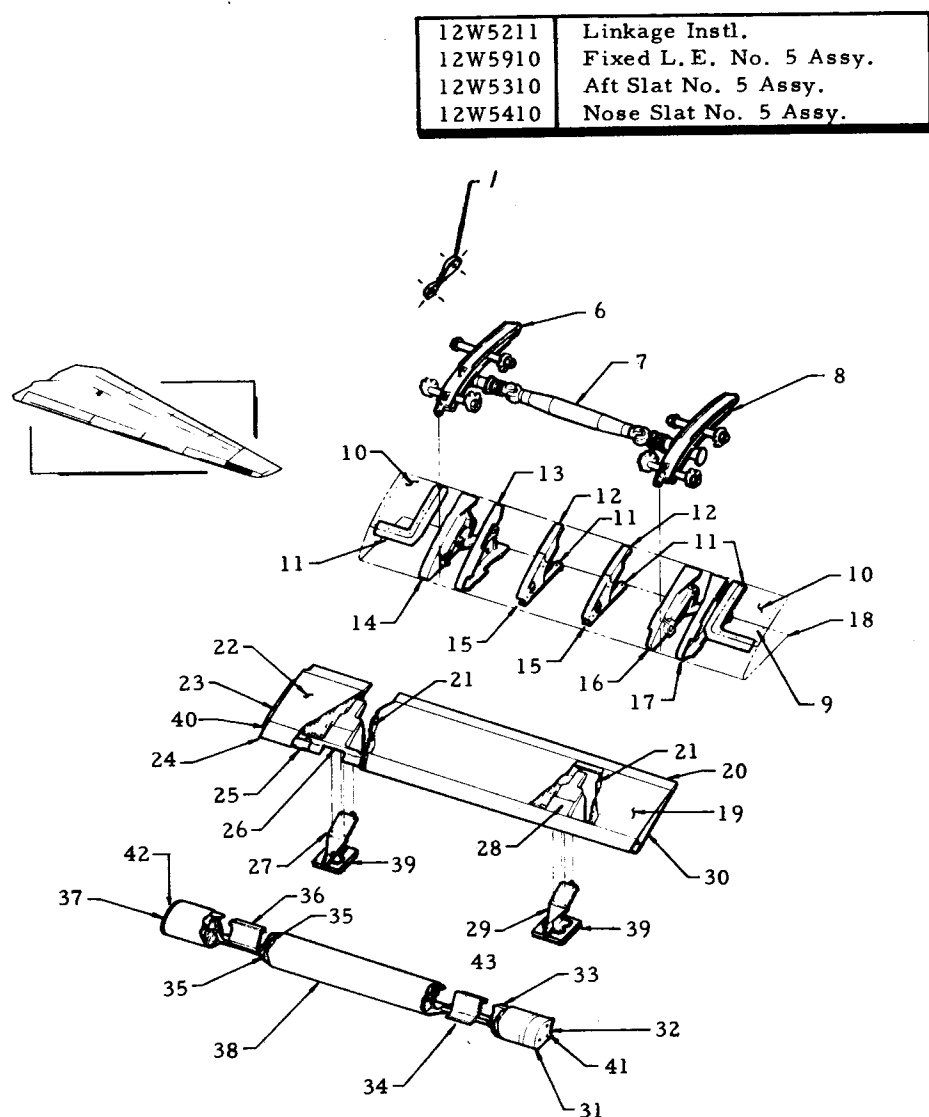


Figure 4-126 WING LEADING EDGE ASSEMBLY NO. 3



9.	12W6310	Doubler (F-111A)
10.	12W6270	Clip
11.	12W6236	Access Door
12.	12W6270	Clip
13.	12W6270	Clip
14.	12W6347	Support Rib
15.	12W6346	Support Rib
16.	12W6335	Skin
17.	12W6376	Rib
18.	12W281-5	Plug Assembly
19.	12W1547	Seal
20.	12W1099	Trailing Edge
21.	12W6820	Core (F-111E, FB-111A)
21.	12W1820	Core (F-111A)
22.	12W6835	Upper Skin (F-111E, FB-111A)
22.	12W1835	Upper Skin (F-111A)
23.	12W6820	Spar (F-111E, FB-111A)
23.	12W1820	Spar (F-111A)
24.	12W6845	Rib (F-111E, FB-111A)
24.	12W1845	Rib (F-111A)
25.	12W6848	Adapter (F-111E, FB-111A)
25.	12W1848	Adapter (F-111A)
26.	12W6846	Rib (F-111E, FB-111A)
26.	12W1846	Rib (F-111A)
27.	12W6849	Adapter (F-111E, FB-111A)
27.	12W1849	Adapter (F-111A)
28.	12W6836	Lower Skin (F-111E, FB-111A)
28.	12W1836	Lower Skin (F-111A)
29.	12W1876	Closure Outboard (F-111A)
30.	12W2320	Nose Slat Assembly
31.	12W2320	Stiffener
32.	12W2320	Skins
33.	12W2320	Core
34.	12W2349	Support
35.	12W2346	Seal Rib
36.	12W2320	Spar
37.	12W2345	Seal Rib
38.	12W1306	Fairing
39.	12W6310	Door
40.	12W1879	Extension (F-111A)
41.	12W1875	Closure
42.	12W1877	Extension
43.	12W2376	Extension
44.	12W2377	Extension
45.	12W2348	Support
46.	12W6009	Fixed Link

Figure 4-127 WING LEADING EDGE ASSEMBLY NO. 4



1.	12W6009	Link
6.	12W5960	Track
7.	12M2500	Slat Drive
8.	12W5961	Track
9.	12W5910	Fixed Leading Assy.
10.	12W5910	Access Door
11.	12W5910	Doubler
12.	12W6270	CLIP
13.	12W5947	Support RIB
14.	12W5946	Support Rib
15.	12W5976	Rib
16.	12W5948	Support Rib
17.	12W5949	Support Rib
18.	12W5235	Skin
19.	12W5920	Aft Slat Assy.
20.	12W5399	Wedge
21.	12W5920	Core
22.	12W5334	Upper Skin
23.	12W5375	Rib
24.	12W5347	Seal
25.	12W5920	Spar
26.	12W5943	Rib
27.	12W5941	Support
28.	12W5944	Rib
29.	12W5942	Support
30.	12W5337	Lower Skin
31.	12W5445	Rib
32.	12W5477	Outb. Mov. Ext.
33.	12W5420	Spar
34.	12W5448	Support
35.	12W5420	Core
36.	12W5449	Support
37.	12W5446	Rib
38.	12W5420	Skin
39.	12W5206	Fairing
40.	12W5377	Inbd. Mov. Ext.
41.	12W5389	Seal
42.	12W5476	Inbd. Mov. Ext.
43.	12W5410	Gussetts, Brackets & Seals

Figure 4-128 FB-111 WING LEADING EDGE ASSEMBLY NO. 5 (Bomber 3 and On)

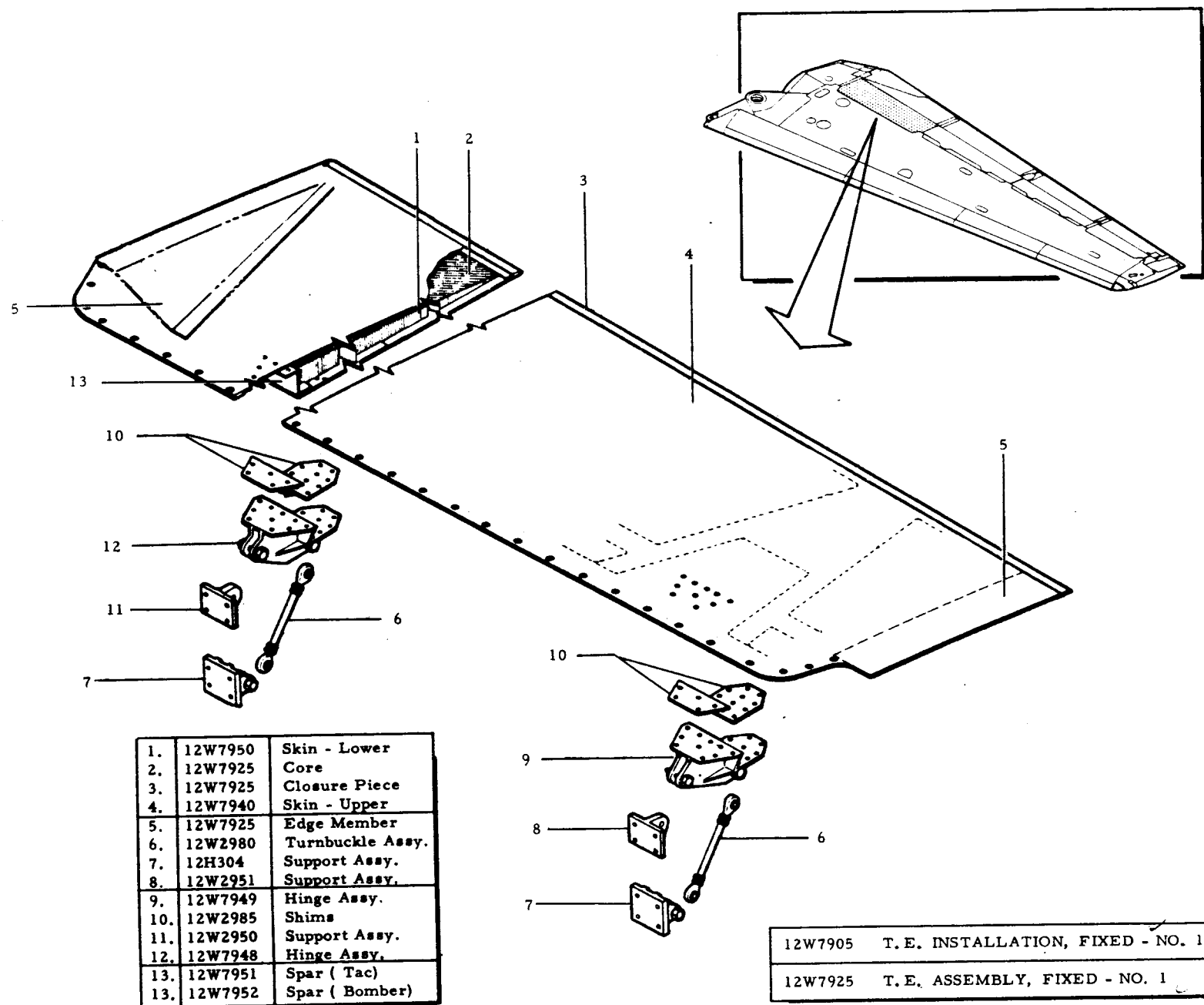


Figure 4-129 WING T.E. PANEL NO. 1 - FIXED

12W8000 INBOARD SPOILER INSTALLATION
12W8010 INBOARD SPOILER ASSEMBLY
12W8020 INBOARD SPOILER - ASSY. OF

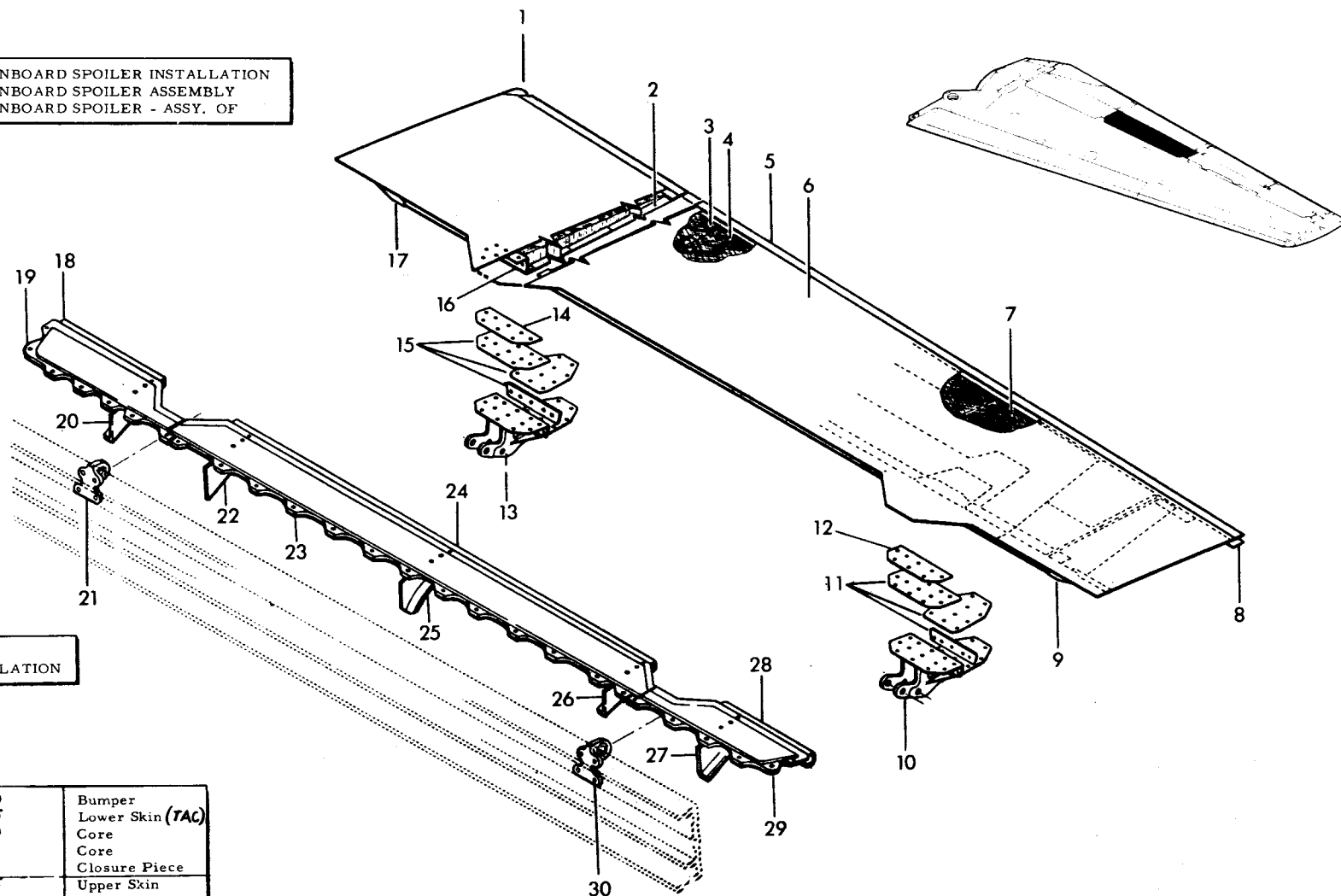
12W8044-1, -2
#2 T. E. INSTALLATION

1.	12W8050	Bumper
2.	12W8045	Lower Skin (TAC)
3.	12W8020	Core
4.	12W8020	Core
5.	12W8020	Closure Piece
6.	12W8035	Upper Skin
7.	12W8020	Core
8.	12W8010	Rub Strip
9.	12W8020	Edge Member
10.	12W3047	Hinge
11.	12W3085	Lamination
12.	12W8010	Filler
13.	12W3046	Hinge
14.	12W8010	Filler
15.	12W3085	Lamination
16.	12W8045	Spar (TAC)
17.	12W8020	Edge Member
18.	12W8001	Stiffener
19.	12W8036	Skin
20.	12W7976	Brace

21.	12W8075	Support
22.	12W7976	Brace
23.	12W8036	Skin
24.	12W8001	Stiffener
25.	12W7976	Brace
26.	12W7976	Brace
27.	12W7976	Brace
28.	12W8001	Stiffener
29.	12W8036	Skin
30.	12W8075	Support

2. 12W8048 LWR SKIN (SAC)
16. 12W8046 FRAME (SAC)

Figure 4-130 INBOARD SPOILER AND NO. 2 TRAILING EDGE INSTALLATION



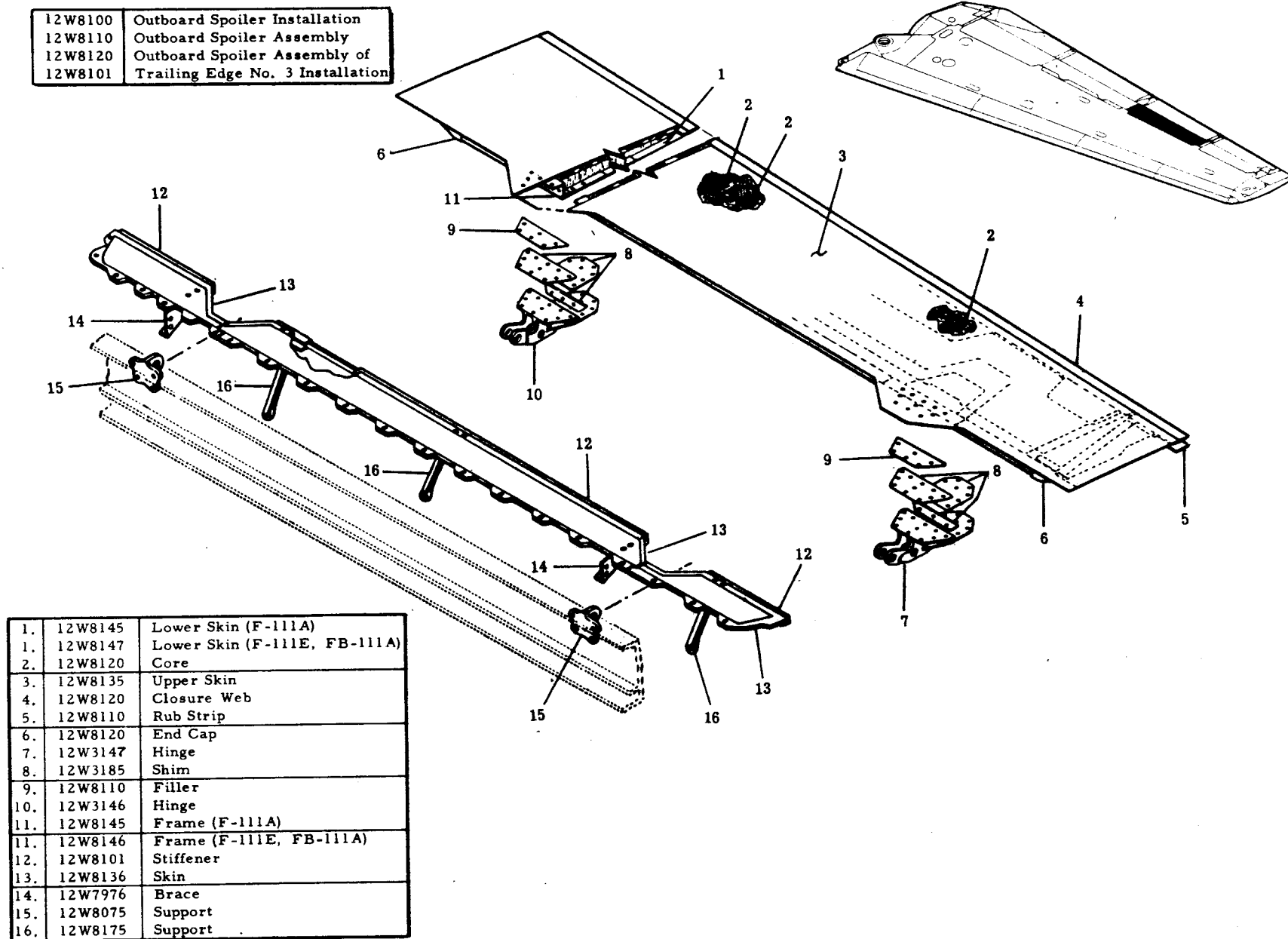


Figure 4-131 OUTBOARD SPOILER AND NO. 3 TRAILING EDGE INSTALLATION

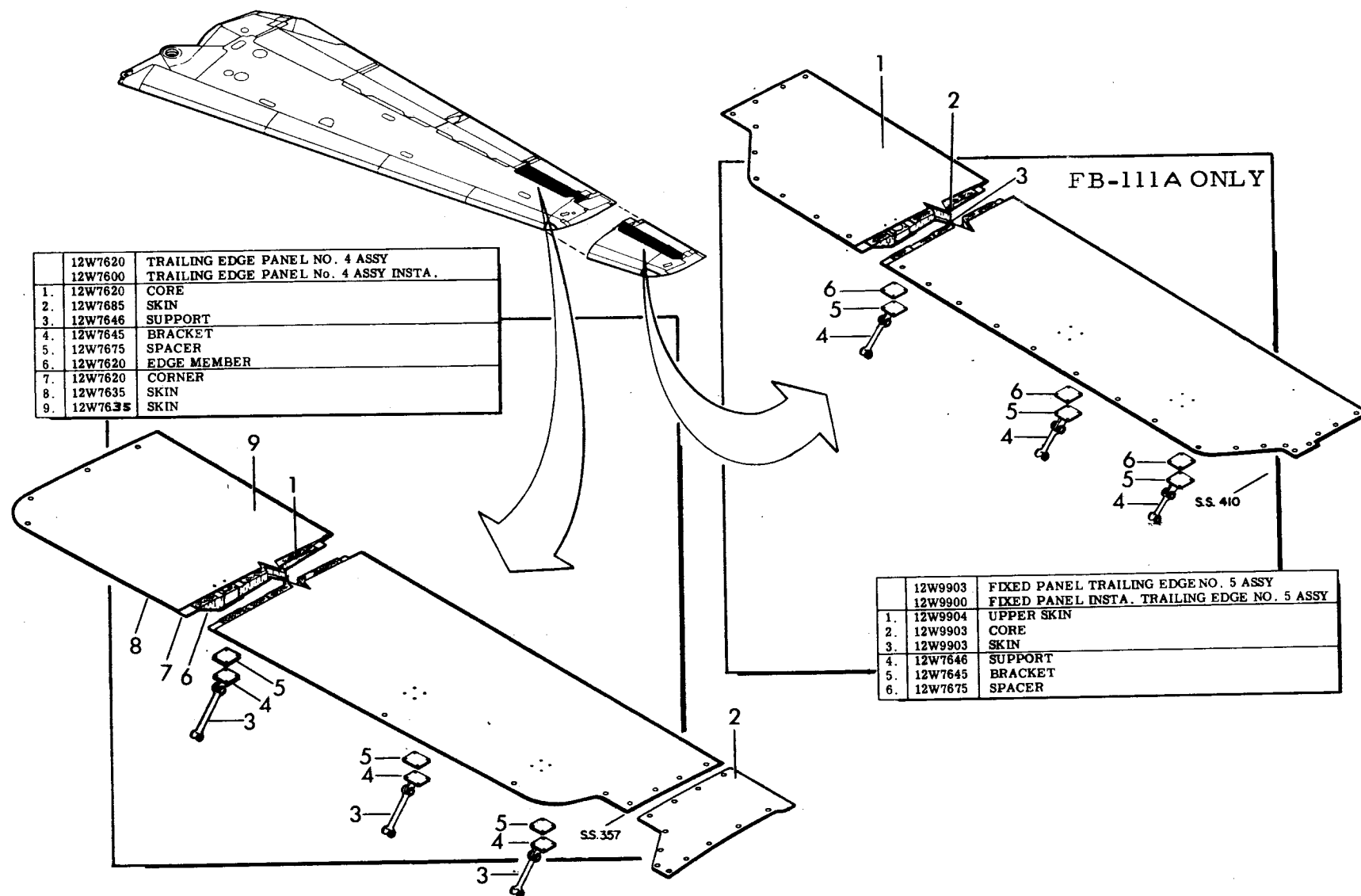


Figure 4-132 FIXED TRAILING EDGE PANELS NO'S 4 AND 5

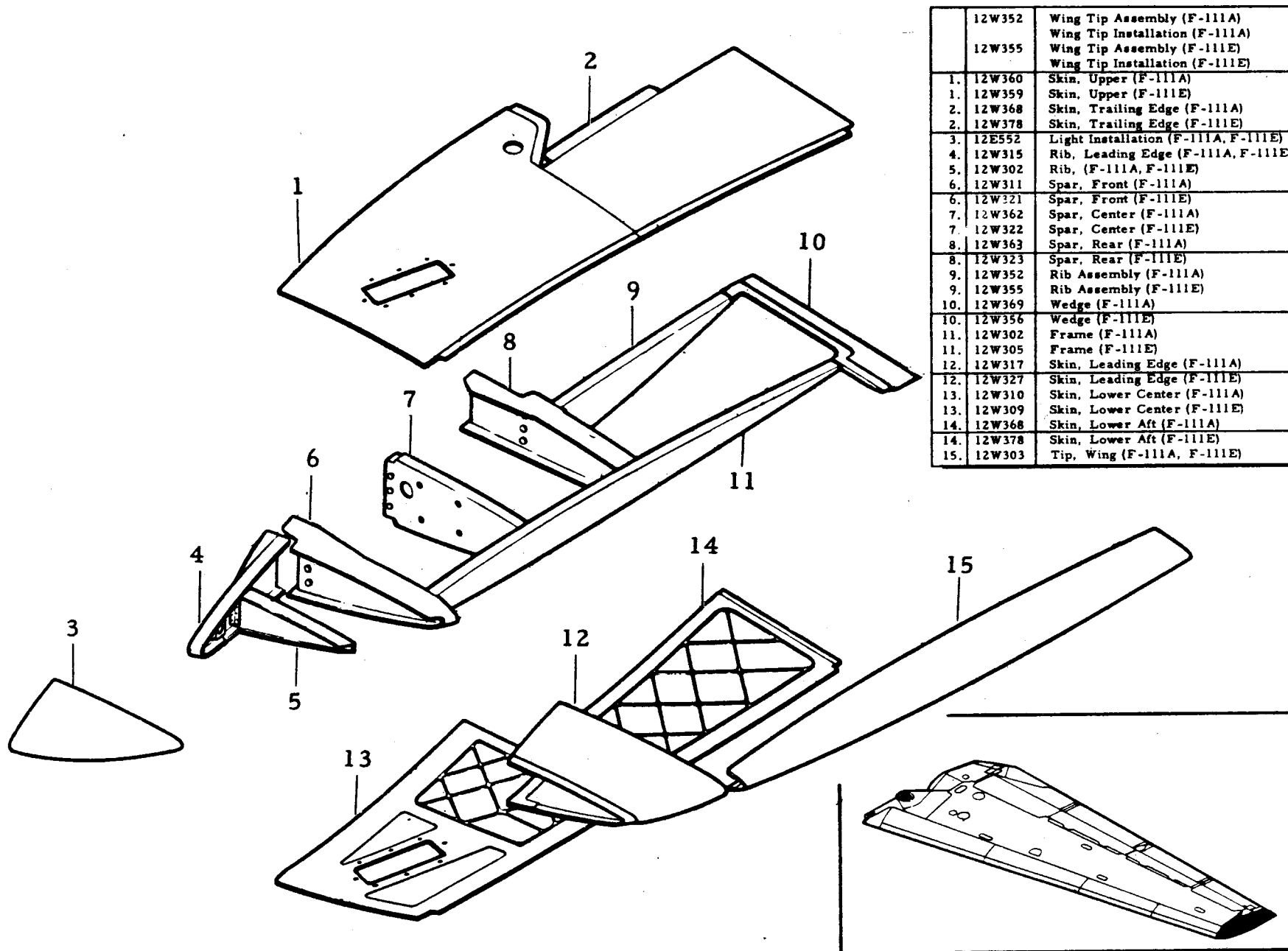


Figure 4-133 WING TIP ASSEMBLY (F-111A: A1 31-159; F-111E: A1 160-On)

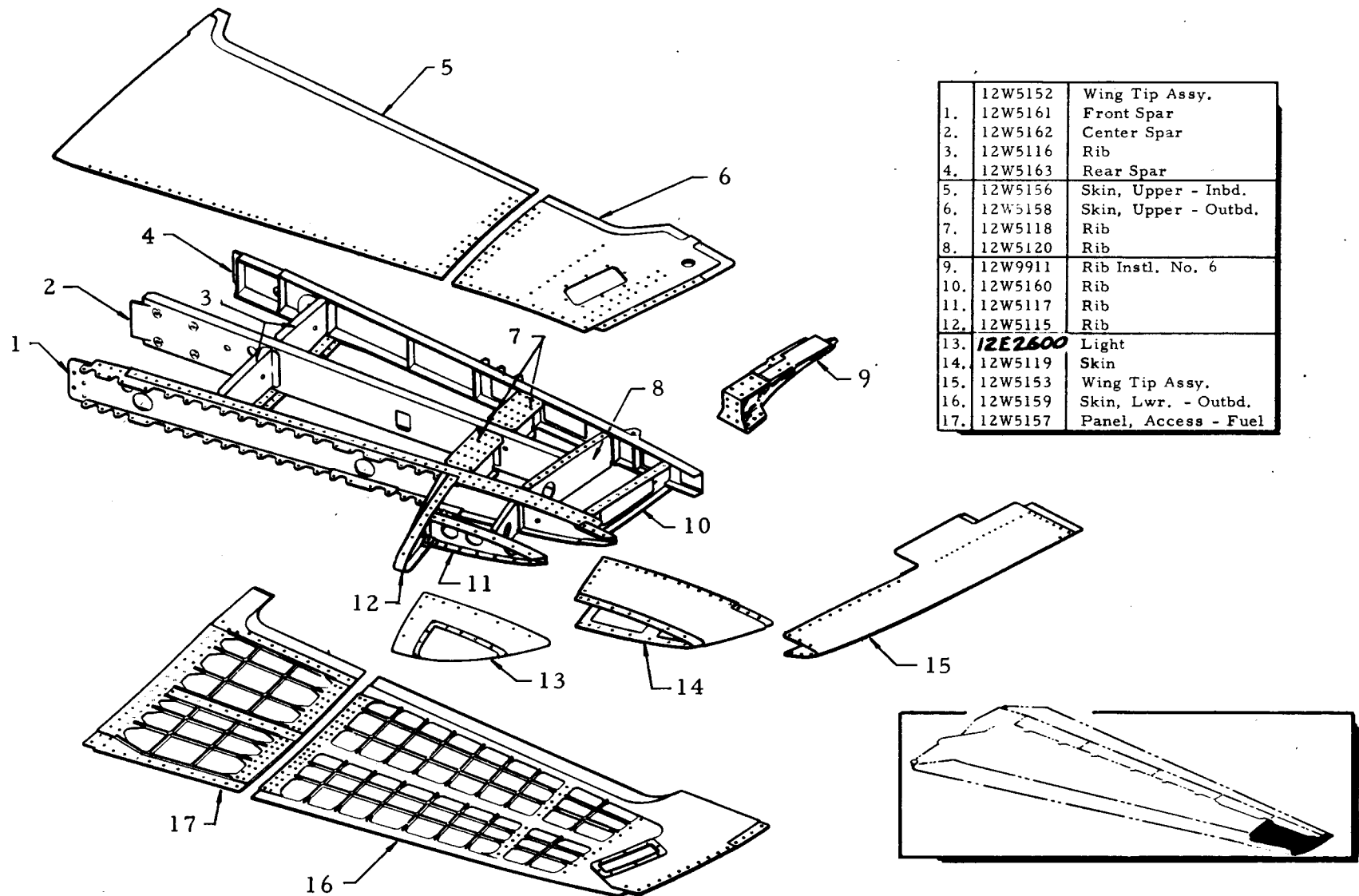
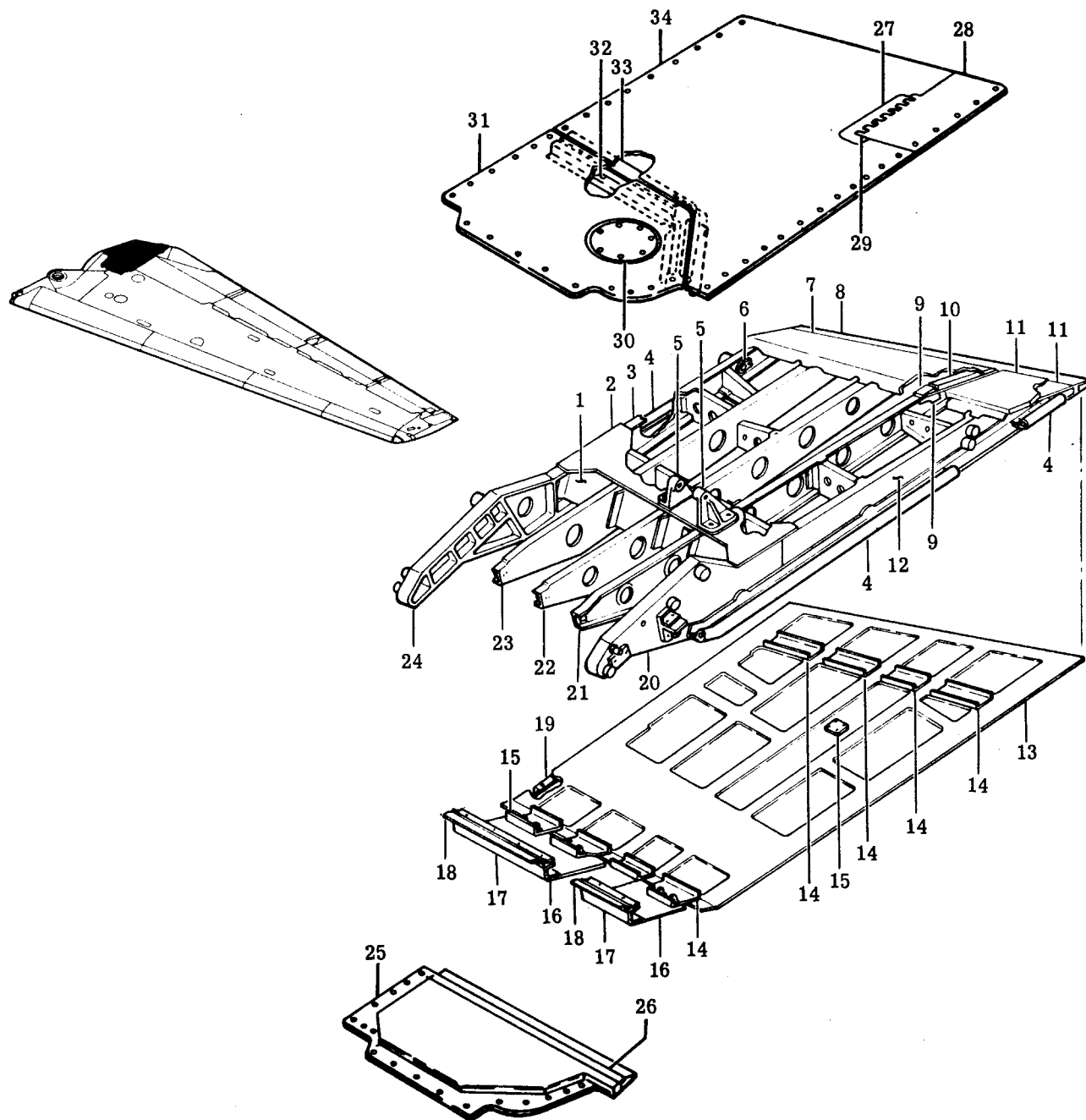


Figure 4-134 FB-111 WING TIP, (Bomber 3 and On)



1.	12W8910	Intercostal
2.	12W8910	Plate
3.	12W8975	Rib
4.	12W8910	Seal
5.	12W8983	Fitting
6.	12W3266	Lock
7.	12W8910	Upper Skin
8.	12W8947	Closure Bar
9.	12W8910	Spacer
10.	12W8950	Filler
11.	12W8910	Upper Skin
12.	12W8976	Rib
13.	12W8910	Lower Skin
14.	12W8980	Stiffener
15.	12W8910	Block
16.	12W8986	Access Cover
17.	12W8986	Support Cover
18.	12W8986	Seal
19.	12W8964	Stop
20.	12W8972	Frame
21.	12W8979	Rib
22.	12W8978	Rib
23.	12W8977	Rib
24.	12W8971	Frame
25.	12W7521	Panel Lower
26.	12W7501	Seal
27.	12W7546	Hinge
28.	12W7550	Panel
29.	MS20253P2	Pin
30.	12W7501	Access Cover
31.	12W7524	T.E. Assy. <i>UPR</i>
32.	12W7524	Stiffener
33.	12W7525	Stiffener
34.	12W7525	T.E. Assy. Upper

Figure 4-135 AUXILIARY FLAP AREA

4-139

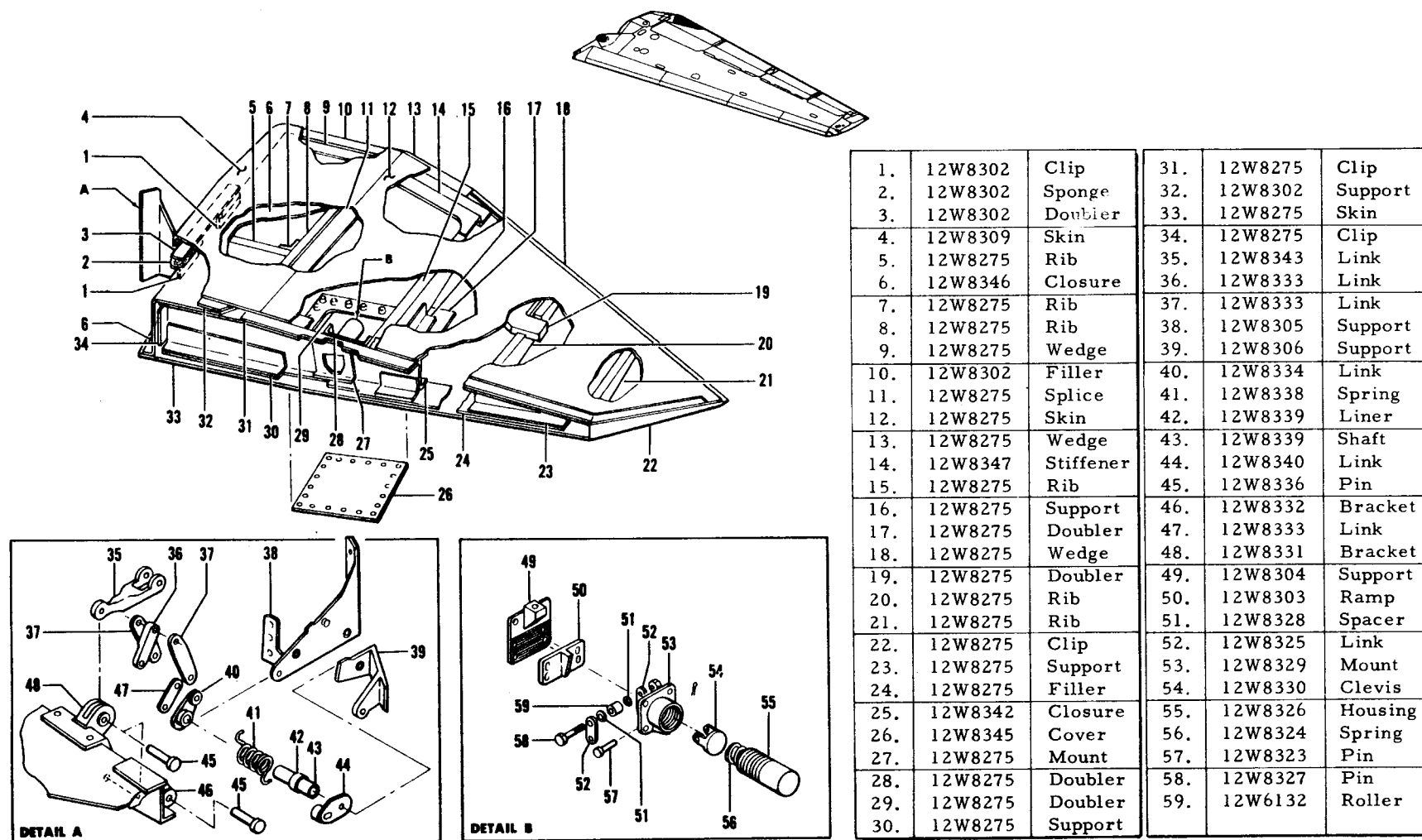


Figure 4-137 WING T. E. SEGMENT - FLAP NO. 1

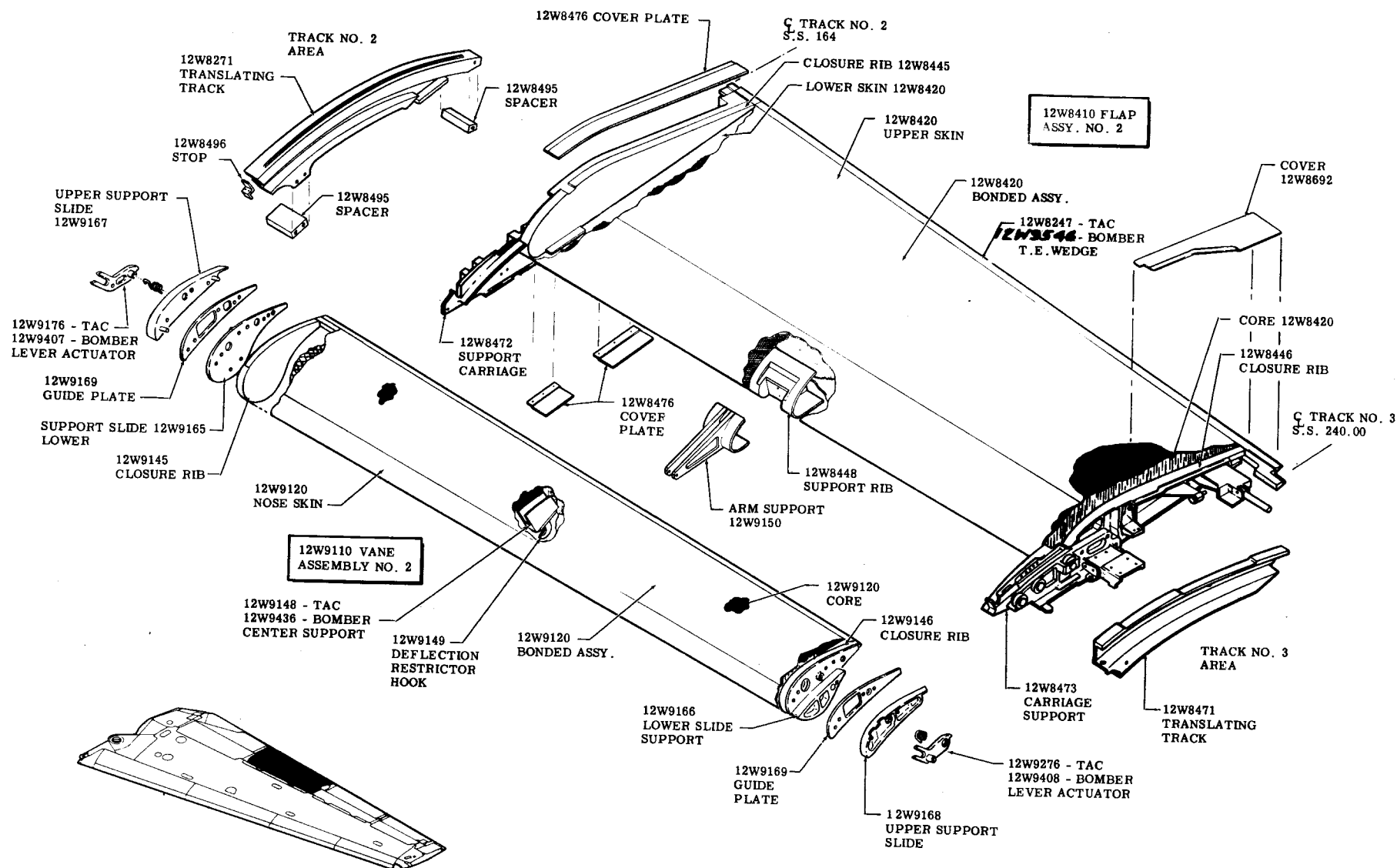


Figure 4-138 WING TRAILING EDGE FLAP AND VANE ASSEMBLY NO. 2

ST-713-76A

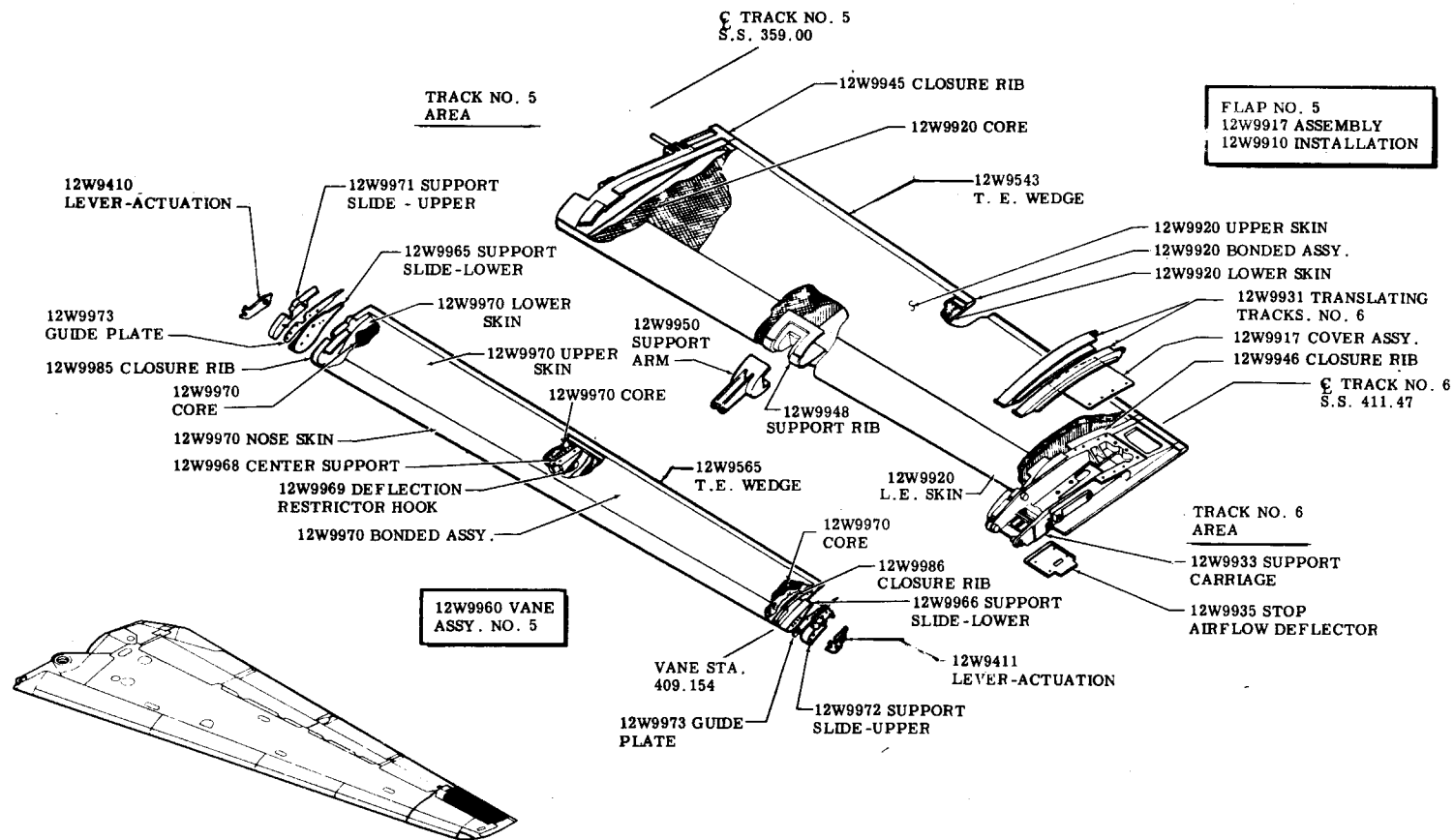
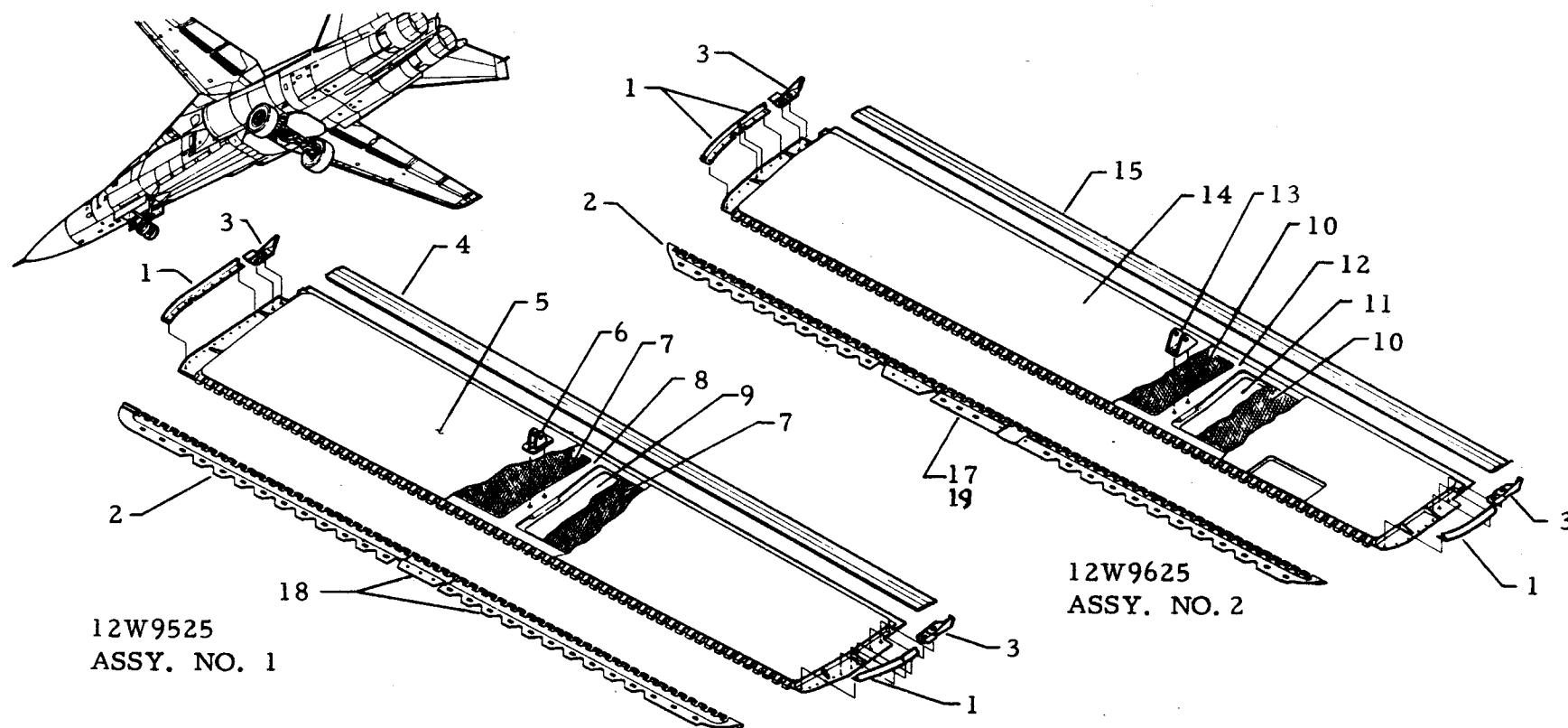


Figure 4-141 FB-111A WING T.E. FLAP AND VANE ASSEMBLY NO. 5 (Bomber 3 and On)



	12W9505	Deflector No. 1 Installation	8.	12W9550	Frame
	12W9525	Deflector No. 1 Assy.	9.	12W9525	Lwr. Skin
	12W9605	Deflector No. 2 Installation	10.	12W9625	Core
	12W9625	Deflector No. 2 Assy.	11.	12W9625	Lwr. Skin
1.	12W9576	Seal	12.	12W9650	Frame
2.	12W9582	Hinge	13.	12M2659	Fitting
3.	12W9575	Cam	14.	12W9625	Upr. Skin
4.	12W9505	Seal	15.	12W9605	Seal
5.	12W9525	Upr. Skin	16.		
6.	12M2667	Fitting	17.	12W9581	Hinge (F-111A)
7.	12W9525	Core	18.	12W9583	Hinge
			19.	12W9580	Hinge (F-111E, FB-111A)

Figure 4-142 AIRFLOW DEFLECTOR ASSEMBLIES 1 AND 2

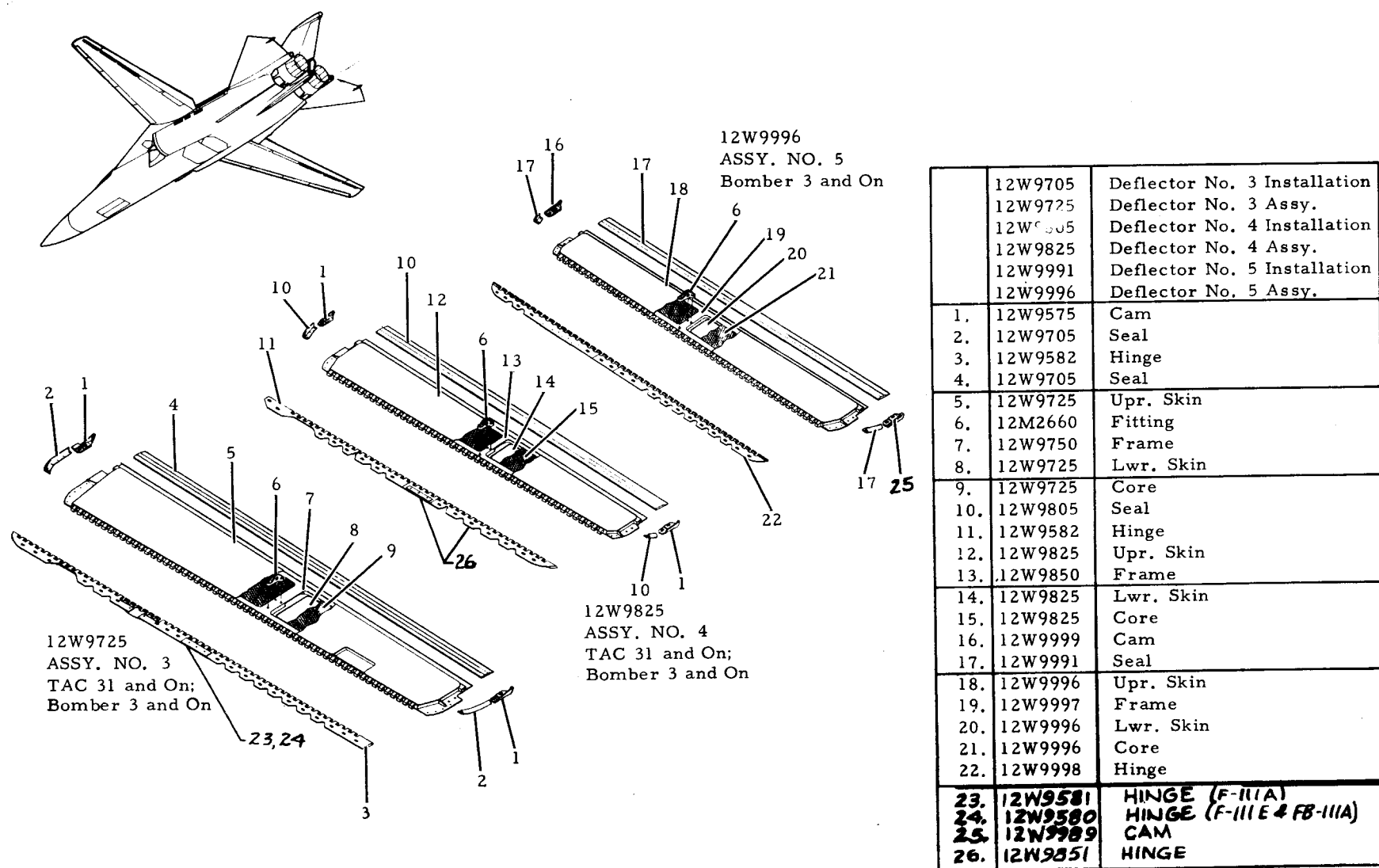
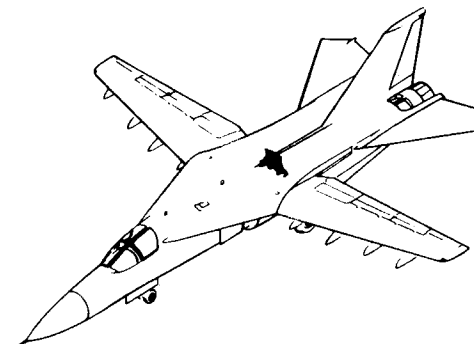
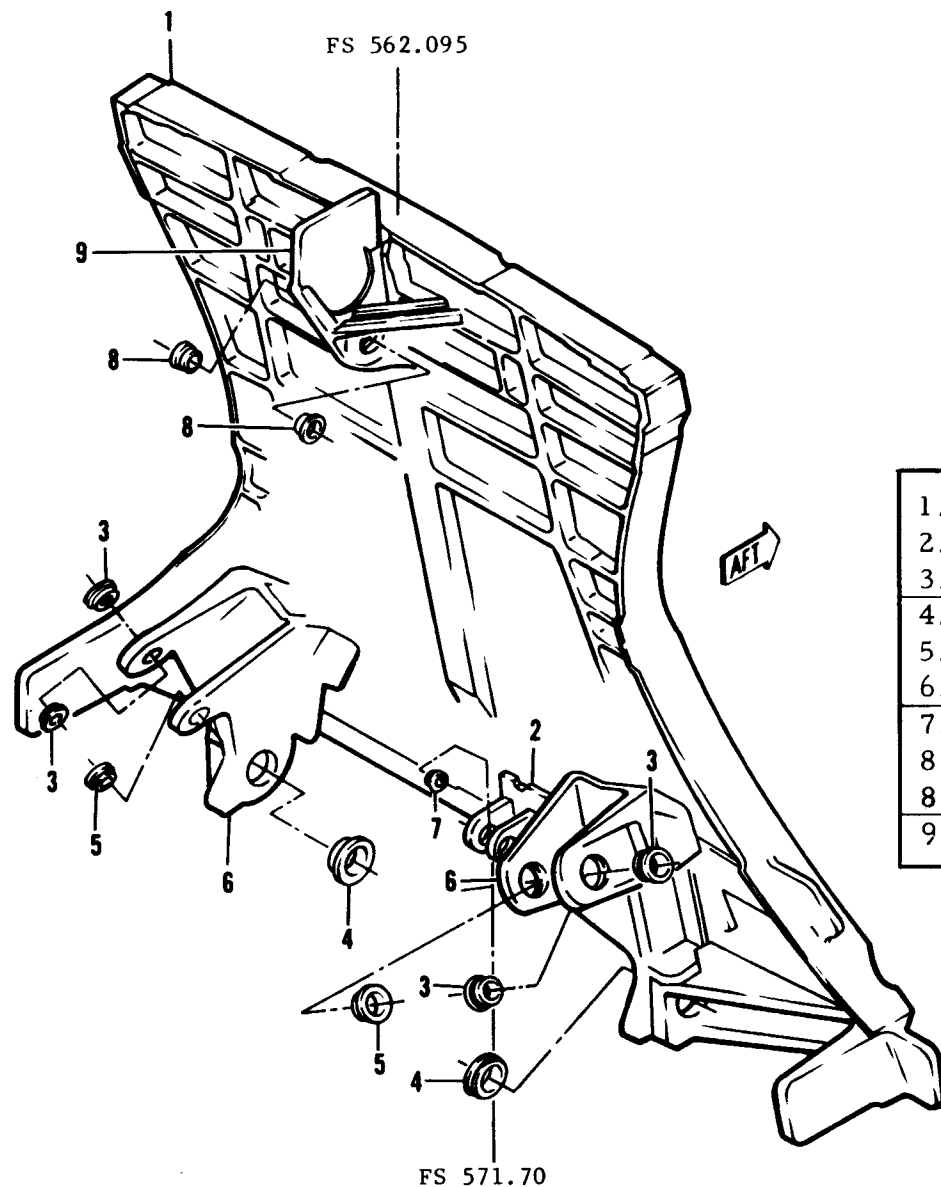
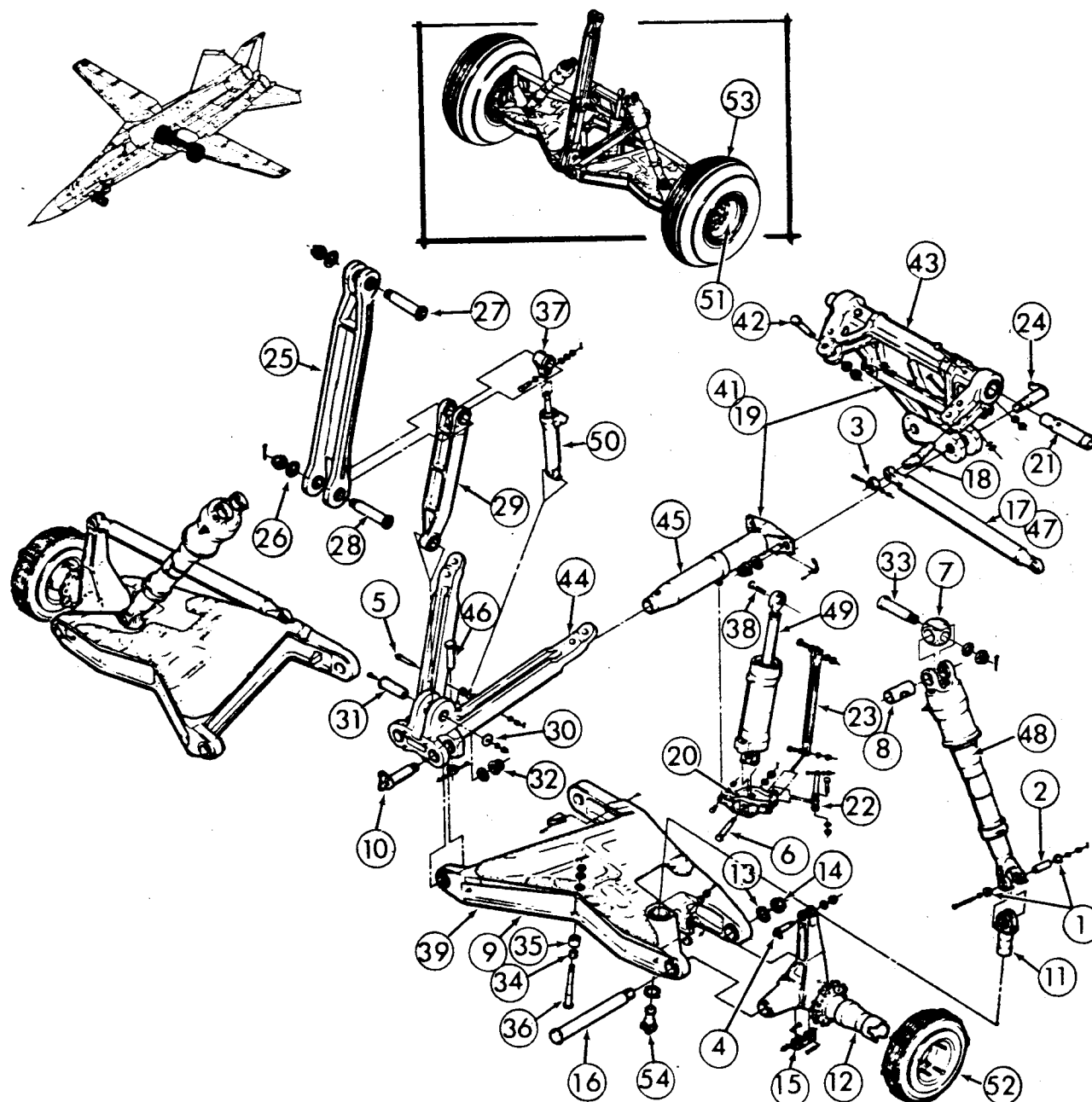


Figure 4-143 AIRFLOW DEFLECTOR ASSEMBLIES 3, 4, AND 5



1.	12B10125	BULKHEAD ASSEMBLY
2.	12B10570	SUPPORT
3.	12B10607	BUSHING
4.	12B10606	BUSHING
5.	12B10609	BUSHING
6.	12B10501	SUPPORT ASSEMBLY
7.	NAS-20-35	BUSHING
8.	12B10599 (19-215)	BUSHING
8.	12B10599 (215-ON)	BUSHING
9.	12B10502	SUPPORT ASSEMBLY

Figure 4-144 MAIN LANDING GEAR SUPPORT POINTS



	12L003 12L9501	Installation Assembly
1.	12L9017	Washer
2.	12L9018	Cross Bolt
3.	12L9032	Retainer
4.	12L9038	Pin
5.	12L9052	Pin Assy.
6.	12L9076	Pin
7.	12L9077	Block
8.	12L9079	Pin
9.	12L9511	Beam Assy. of
10.	12L9515	Pin
11.	12L9519	Pin Assy
12.	12L9521	Axle Assy
13.	12L9526	Washer
14.	12L9527	Retainer
15.	12L9528	Ring
16.	12L9529	Pin
17.	12L9530	Rod Assy of
18.	12L9539	Pin
19.	12L9540	Trunnion Assy
20.	12L9544	Support Assy
21.	12L9545	Pin Assy
22.	12L9547	Beam
23.	12L9548	Link
24.	12L9549	Pin Assy of
25.	12L9561	Brace, Assy of
26.	12L9562	Washer
27.	12L9564	Pin
28.	12L9565	Pin
29.	12L9566	Brace, Assy of
30.	12L9568	Retainer
31.	12L9569	Pin
32.	12L9570	Retainer
33.	12L9578	Cross Pin
34.	12L9587	Bushing
35.	12L9588	Roller
36.	12L9589	Pin Assy
37.	12L9591	Link Assy of
38.	12L9592	Pin
39.	12L9511	(Breakdown)
	12L9506	Support
	12L9507	Support
	12L9508	Channel
	12L9509	Plate
	12L9510	Beam Assy of
41.	12L9540	(Breakdown)
42.	12L9531	Frame Assy
43.	12L9541	Frame Assy of
44.	12L9546	Frame Assy of
45.	12L9550	Tube
46.	12L9559	Pin
47.	12L9530	(Breakdown)
	12L9033	Rod End
	12L9034	Rod End
	CL09512	Shock Strut (+Fluid)
48.	CH00201	Actuator, Retraction
49.	CH00204	Actuator, Downlock
50.	CL09503	Wheel (TAC)
51.	CL09503	Brake (TAC)
52.	CL09504	Tire - 47x18x18 TAC (+Air)
53.	CL09505	Shock Spring
54.	CL09505	Shock Spring

Figure4-145 F-111A MAIN LANDING GEAR - STRUCTURE
F-111E

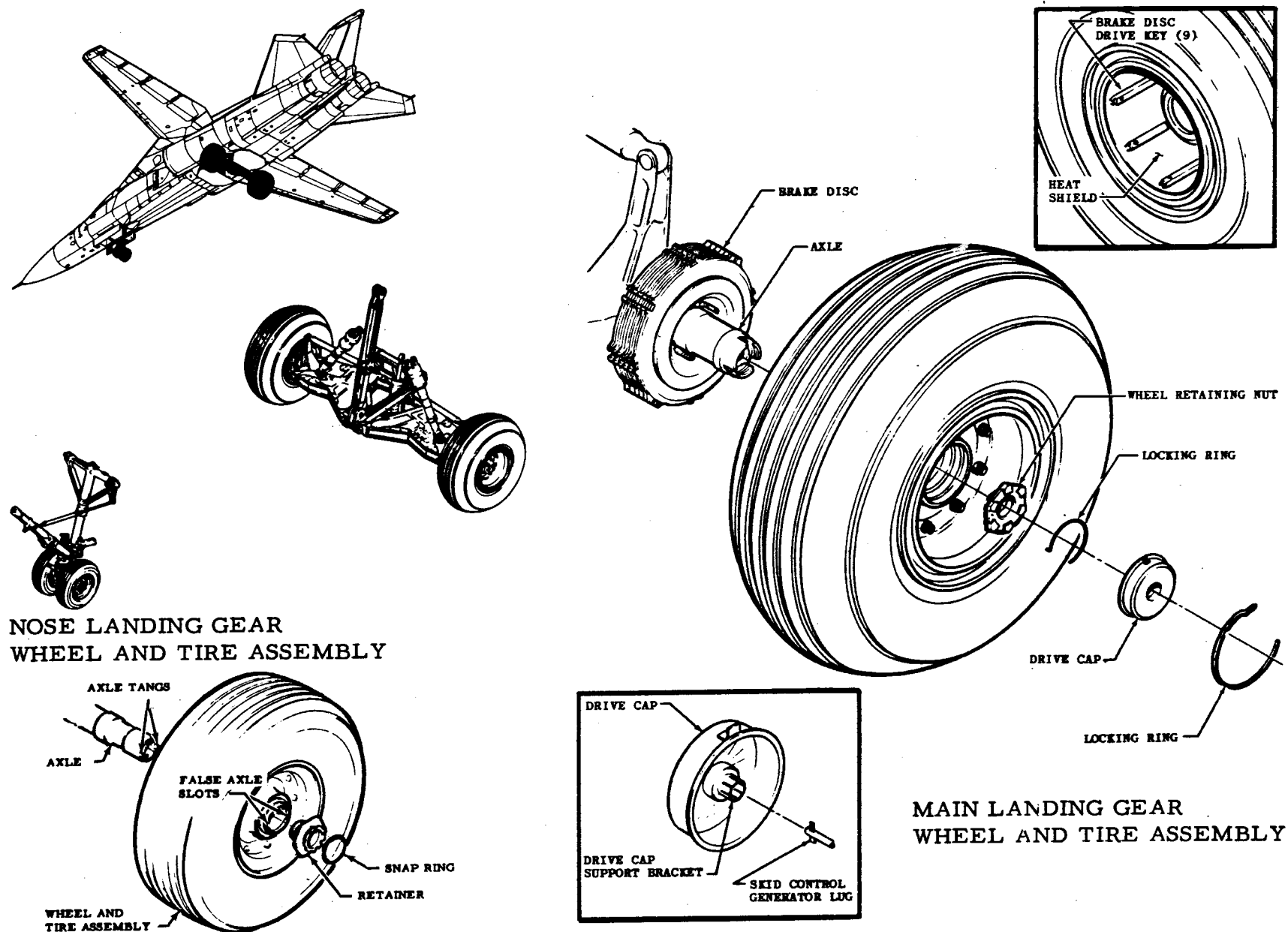


Figure 4-147 F-111A LANDING GEAR WHEEL AND TIRE ASSEMBLIES
F-111E

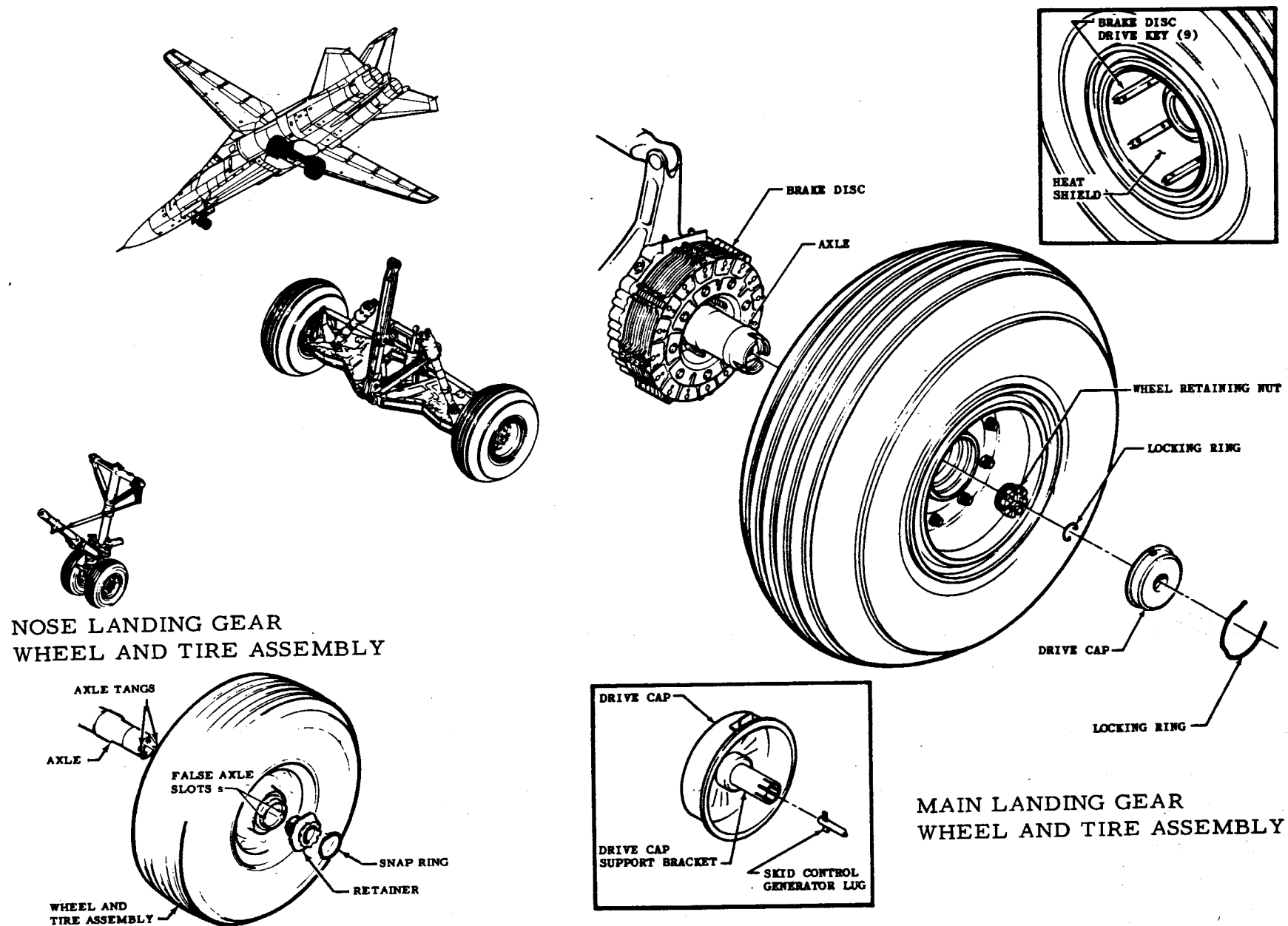


Figure 4-148 FB-111 LANDING GEAR WHEEL AND TIRE ASSEMBLIES

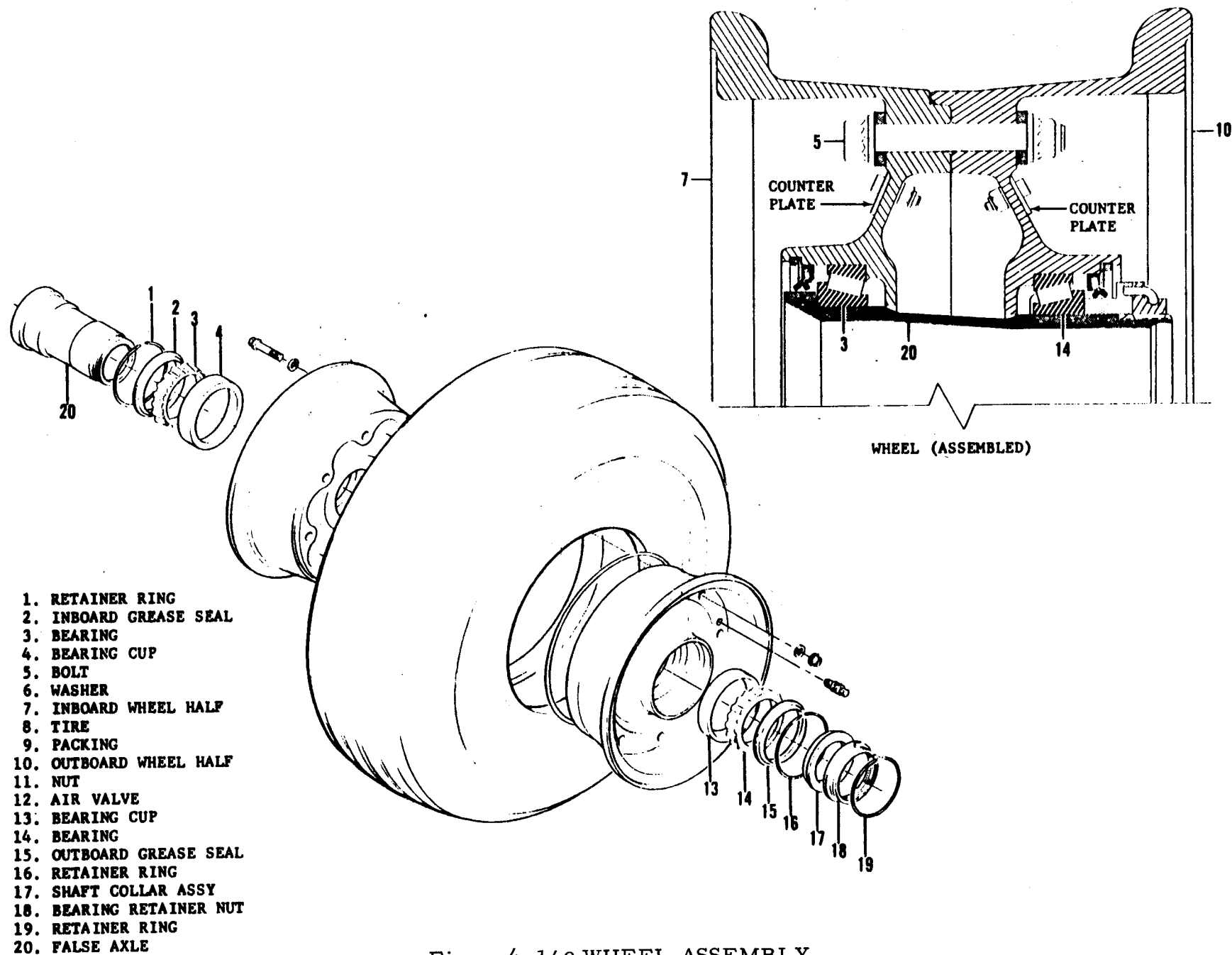


Figure 4-149 WHEEL ASSEMBLY

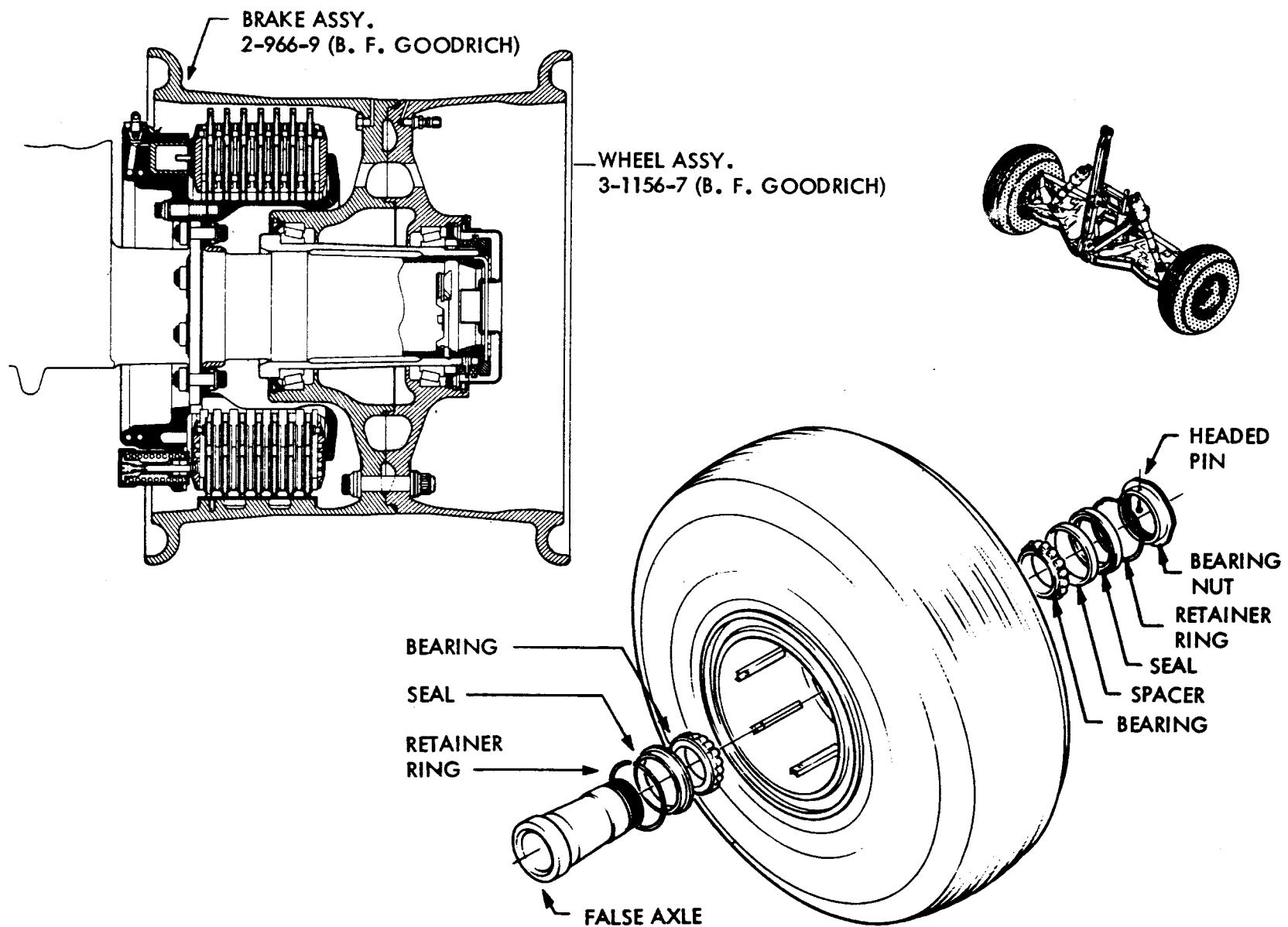
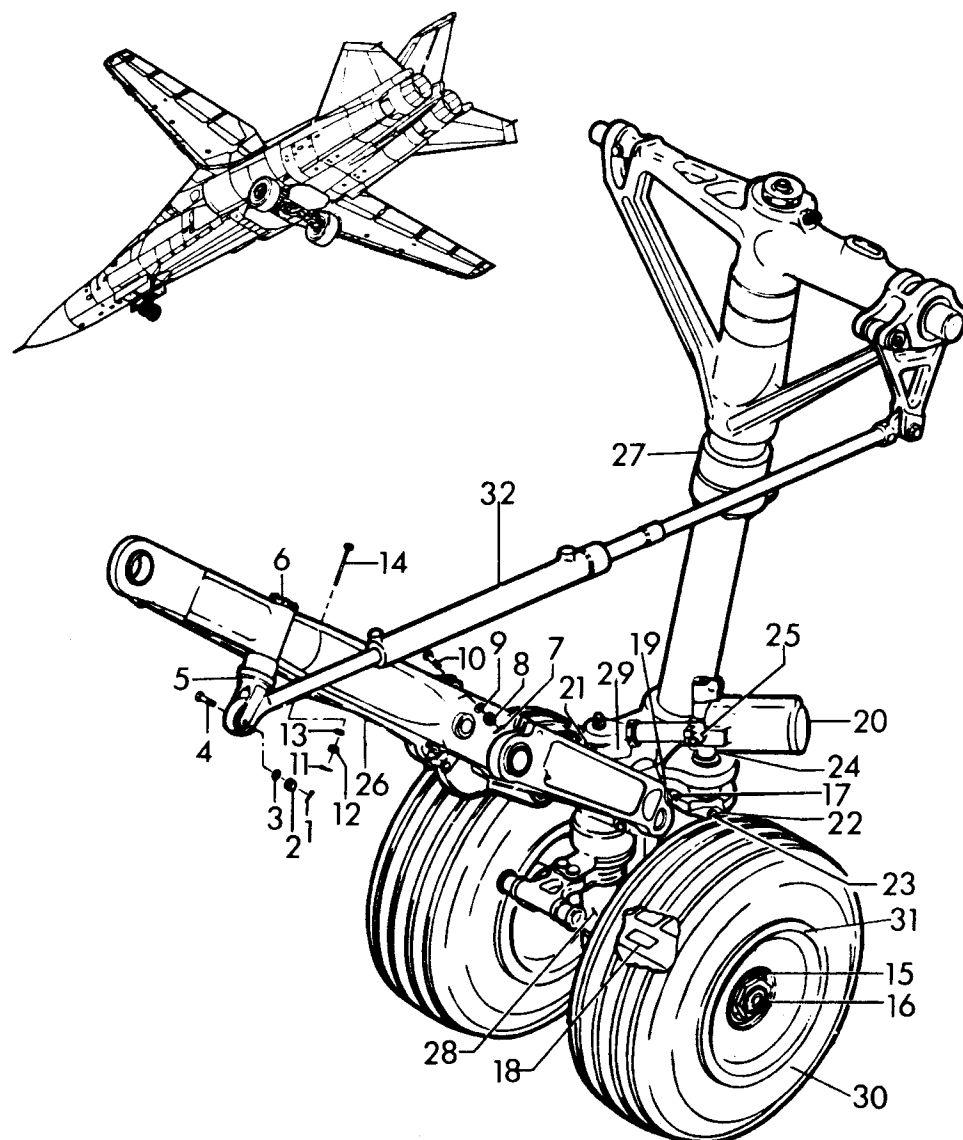
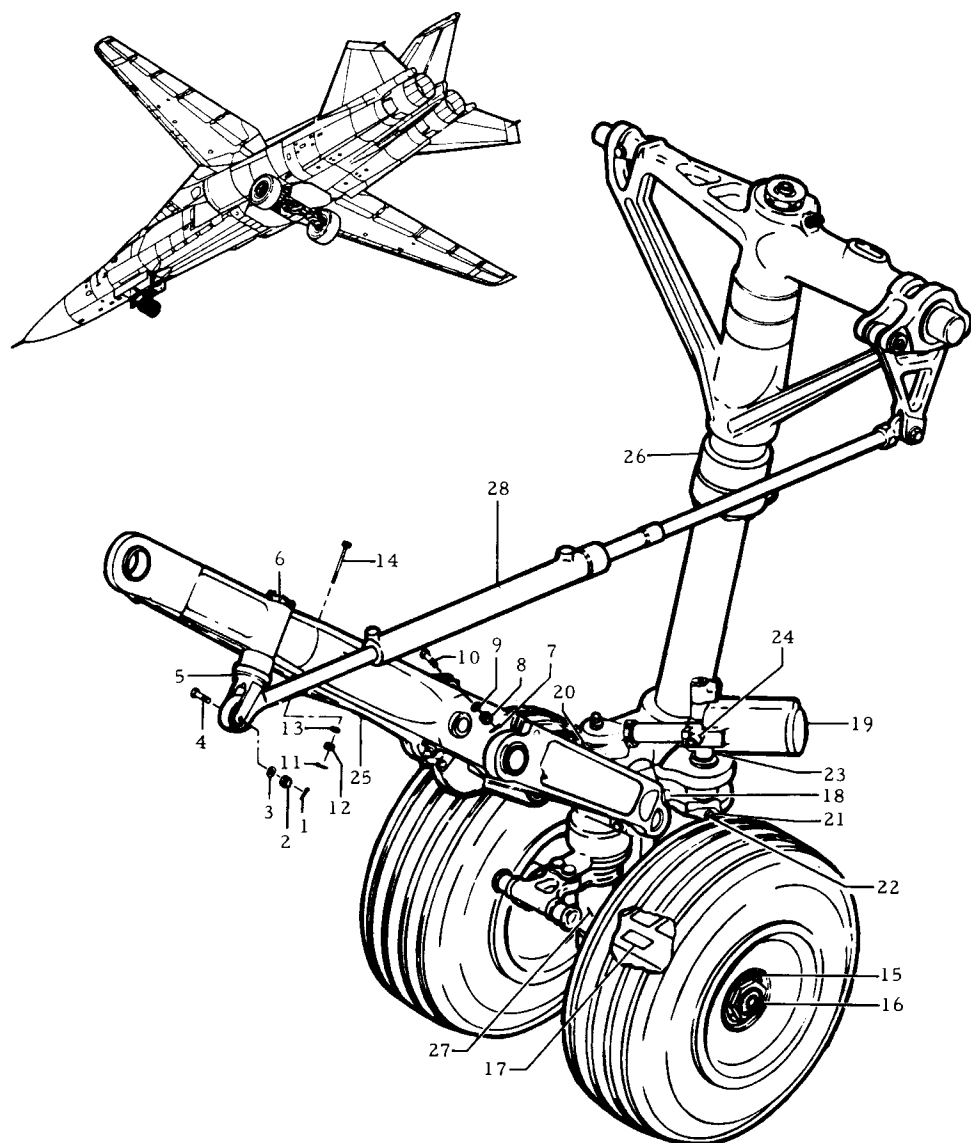


Figure 4-150 WHEEL AND BRAKE ASSEMBLY



	12L9002	Assembly, Nose Landing Gear
1.	MS24665	Pin
2.	AN310	Nut
3.	AN960PD716L	Washer
4.	NAS677V14D	Bolt
5.	12L9107	Pin, Retraction Cylinder
6.	MS24665	Pin
	AN320	Washer
	AN960DD816	Pin
	AN960PD816L	Washer
7.	MS24665	Pin
8.	AN310	Nut
9.	AN960D516	Washer
10.	NAS675V21D	Bolt
11.	MS24665	Pin
12.	AN310	Nut
13.	AN960D616L	Washer
14.	NAS676V520	Bolt
15.	12L9163	Ring, Snap, False Axle
16.	12L9129	Retainer, False Axle
17.	12N453	Plate, Ident, NSG & Steer Range
18.	12N9111	Plate, Ident, Uplock Roll, Nose Gear
19.	MS24331	Switch
20.	OMP2826	Actuator, Hydraulic NLG Steer
21.	12L9118	Spacer, Steering Bell Crank
22.	12L9121	Collar, Steering Actuator
23.	MS24665	Pin
	NAS674V280	Bolt
	AN960D416	Washer
24.	12L9120	Yoke, Steering Actuator
25.	12L9119	Bushing, Sheer, Yoke
26.	12L9100	Drag Brace Assembly
27.	917600	Strut Assembly, Shock Absorber
28.	917690	Axle
29.	12M5102	Gear Installation, Nose Wheel Steering
30.	2620-925-1017	Tire Pneumatic
31.	1630-941-4191	Wheel Assembly
32.	2-391106	Actuator, Hydraulic

Figure 4-151 F-111A NOSE LANDING GEAR
F-111E



	12L10002	Assy.
1.	MS24665	Pin
2.	AN310	Nut
3.	AN960PD716L	Washer
4.	NAS677V14D	Bolt
5.	12L9107	Pin, Retraction Cylinder
6.	MS24665	Pin
7.	MS24665	Pin
8.	AN310	Nut
9.	AN960D516	Washer
10.	NAS675V21D	Bolt
11.	MS24665	Pin
12.	AN310	Nut
13.	AN960D616L	Washer
14.	NAS676V52D	Bolt
15.	12L9163	Ring, Snap, False Axle
16.	12L9129	Retainer, False Axle
17.	12N9111	Plate, Identification, Uplock Roller Switch
18.	MS24331	Switch
19.	OMP2826	Actuator, Hydraulic
20.	12L9118	Spacer, Steering Bellcrank
21.	12L9121	Collar, Steering Actuator
22.	MS24665	Pin
23.	12L9120	Yoke, Steering Actuator
24.	12L9119	Bushing, Shear, Yoke
25.	12L10100	Drag Brace Assy.
26.	1130600	Strut Assembly, Shock Absorber
27.	1130690	Axle, Landing Gear
28.	2-391106	Actuator, Hydraulic

Figure 4-152

FB-111 NOSE LANDING GEAR (Bomber 3 and On)

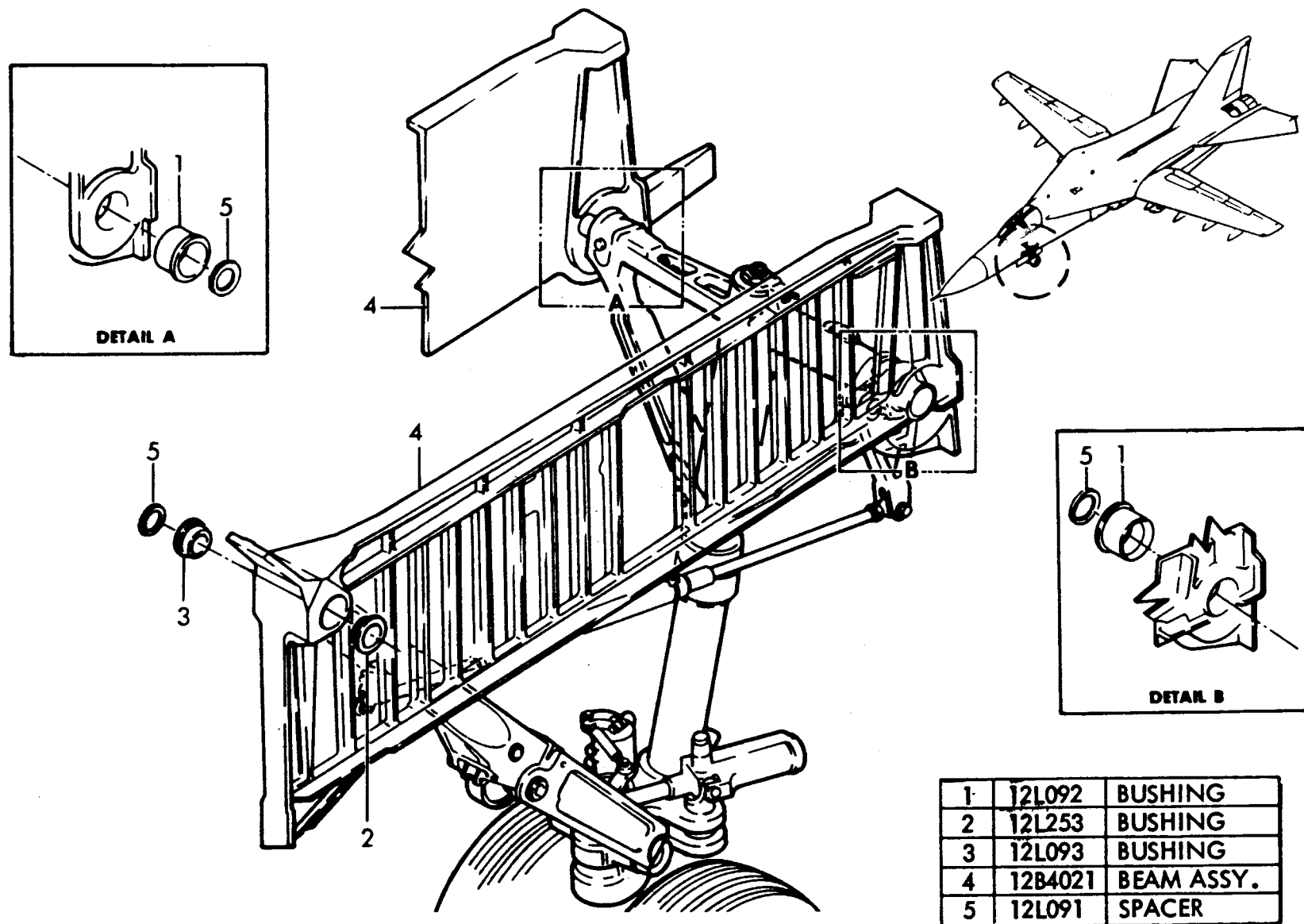


Figure 4-153 NOSE LANDING GEAR SUPPORT POINTS

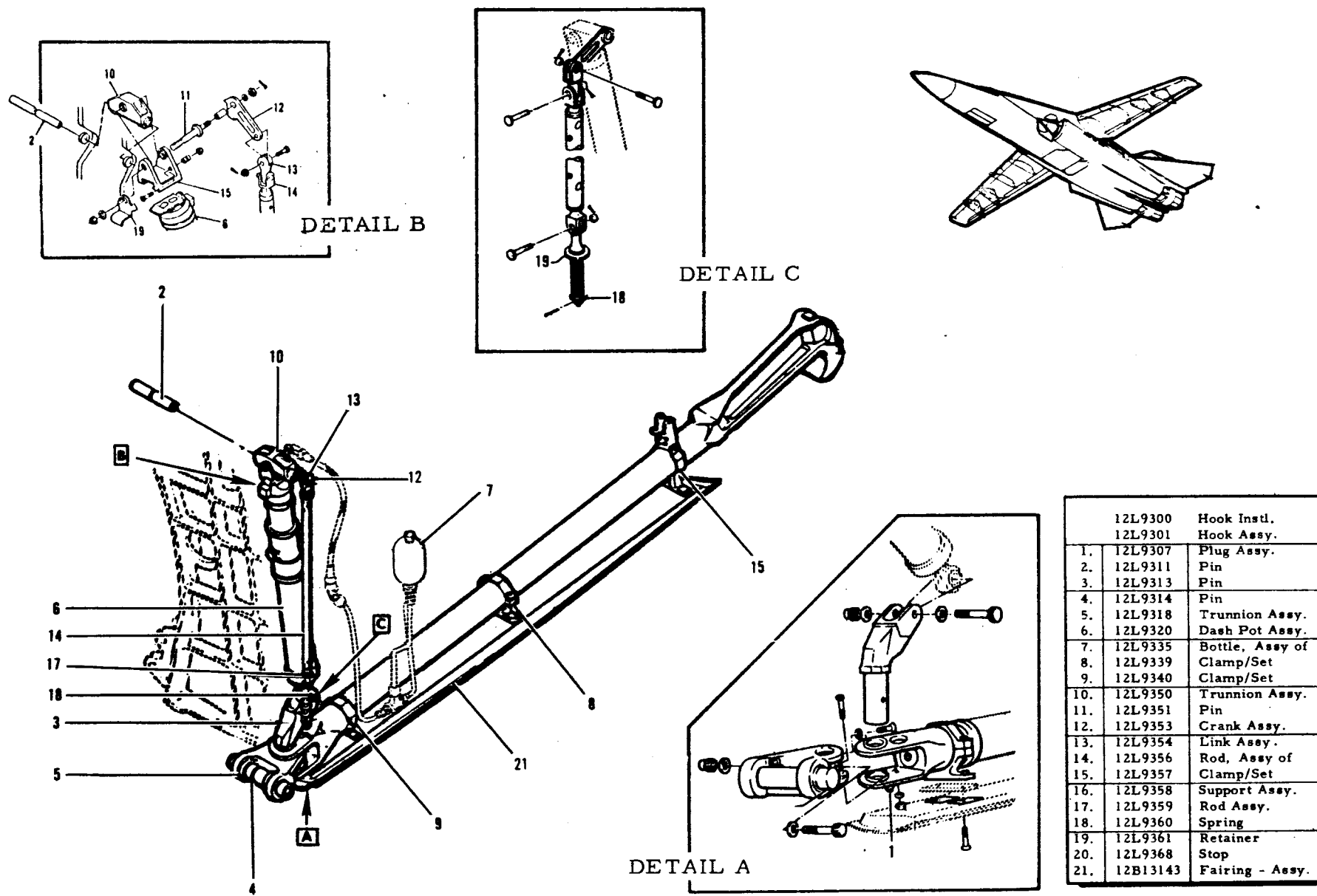


Figure 4-154

F-111A ARRESTING HOOK ASSEMBLY
F-111E

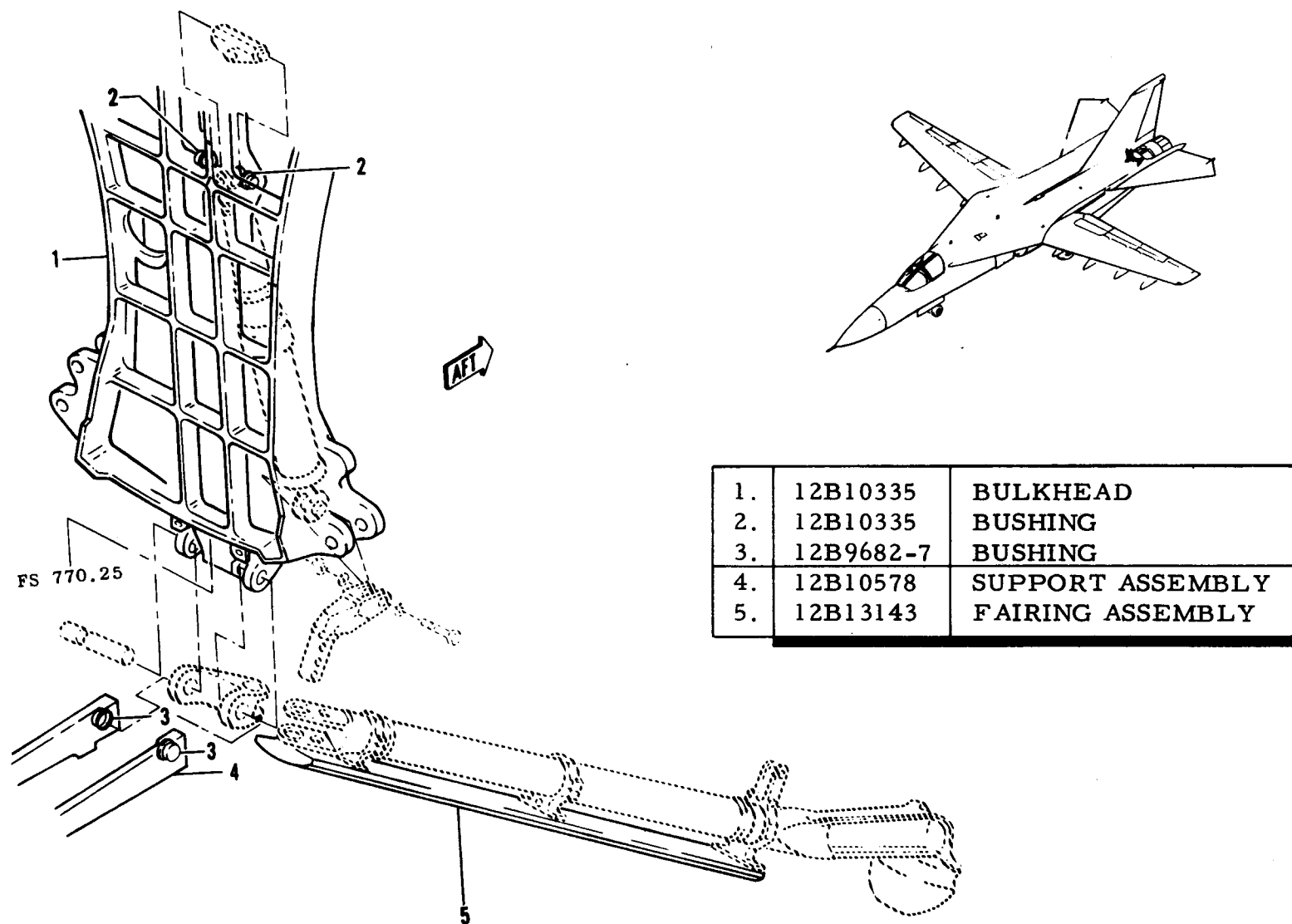


Figure 4-155 TAIL HOOK INSTALLATION

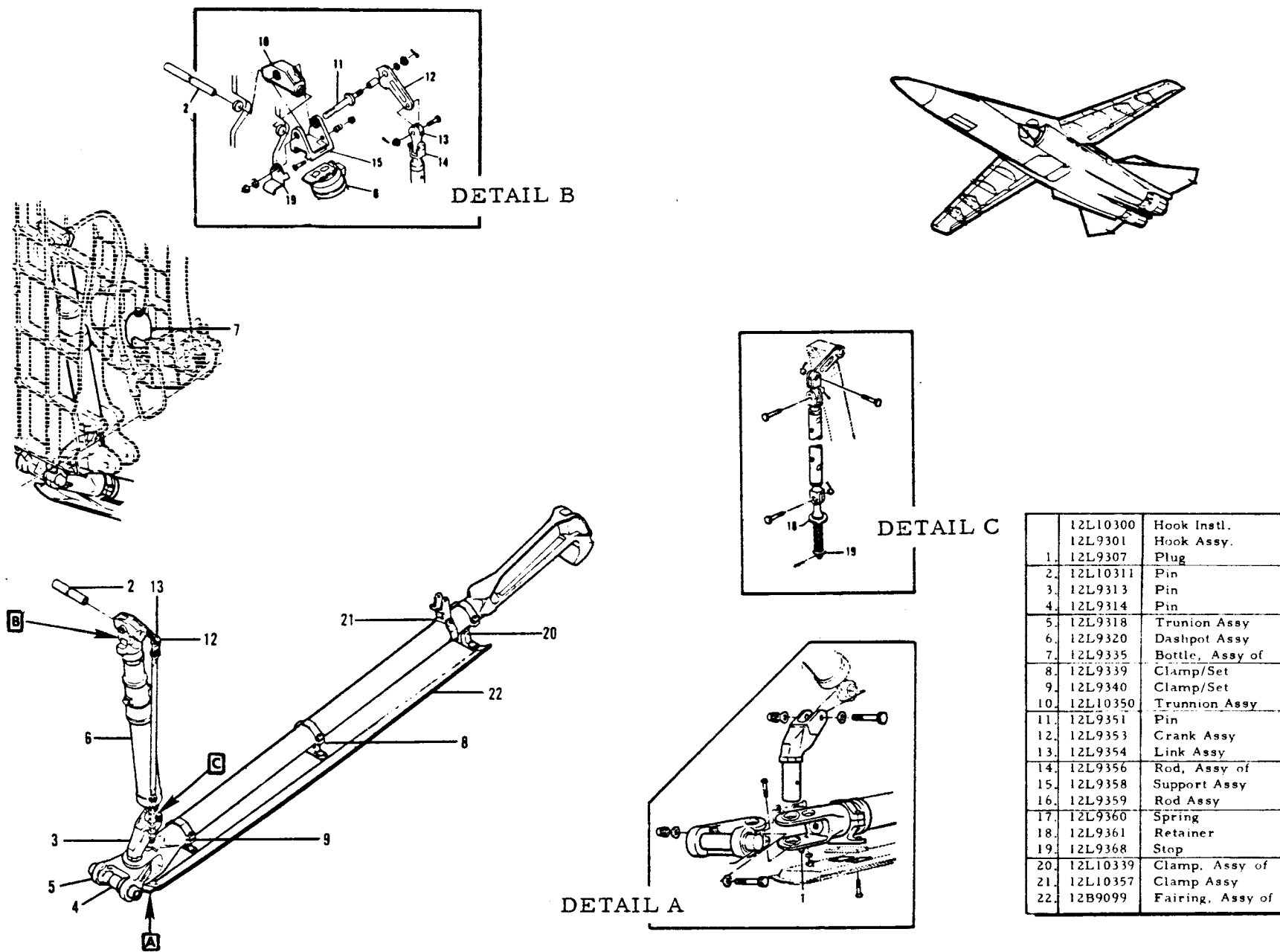
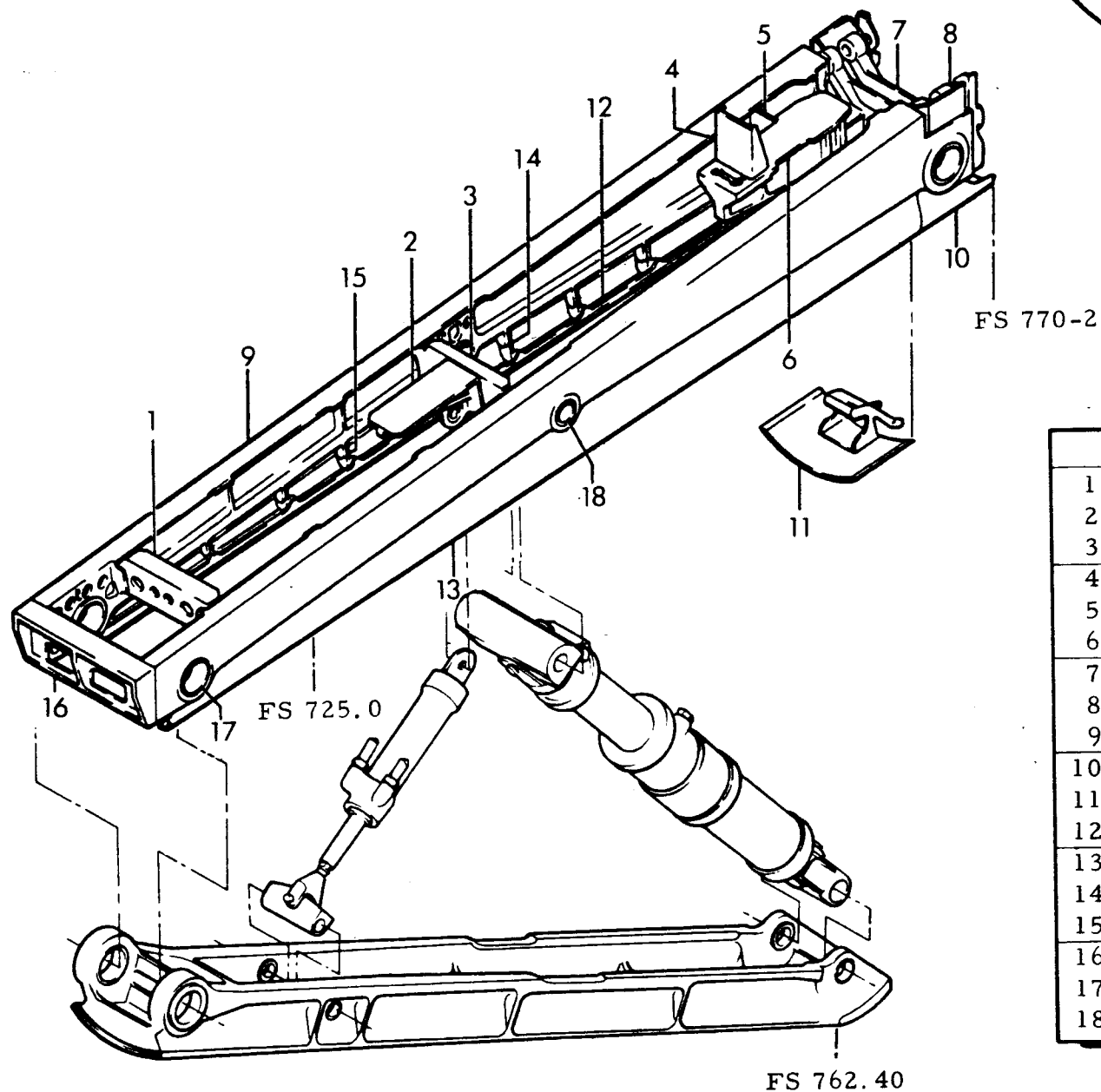


Figure 4-156

FB-111 ARRESTING HOOK ASSEMBLY (Bomber 3 and On)



	12L9003	Installation
1.	12B9667	Channel
2.	12B9579	Support
3.	12B9678	Support
4.	12B9703	Flange
5.	12B8861	Support
6.	12B9702	Support
7.	12B10602	Truss
8.	12B10327	Rib
9.	12B10578	Support
10.	12B9289	Door
11.	12B10290	Door
12.	12B9283	Angle
13.	12B9283	Skin
14.	12B9349	Former
15.	12B9331	Former
16.	12B9603	Support
17.	12B9682	Bushing
18.	12B9682	Bushing

Figure 4-157 TAIL BUMPER INSTALLATION

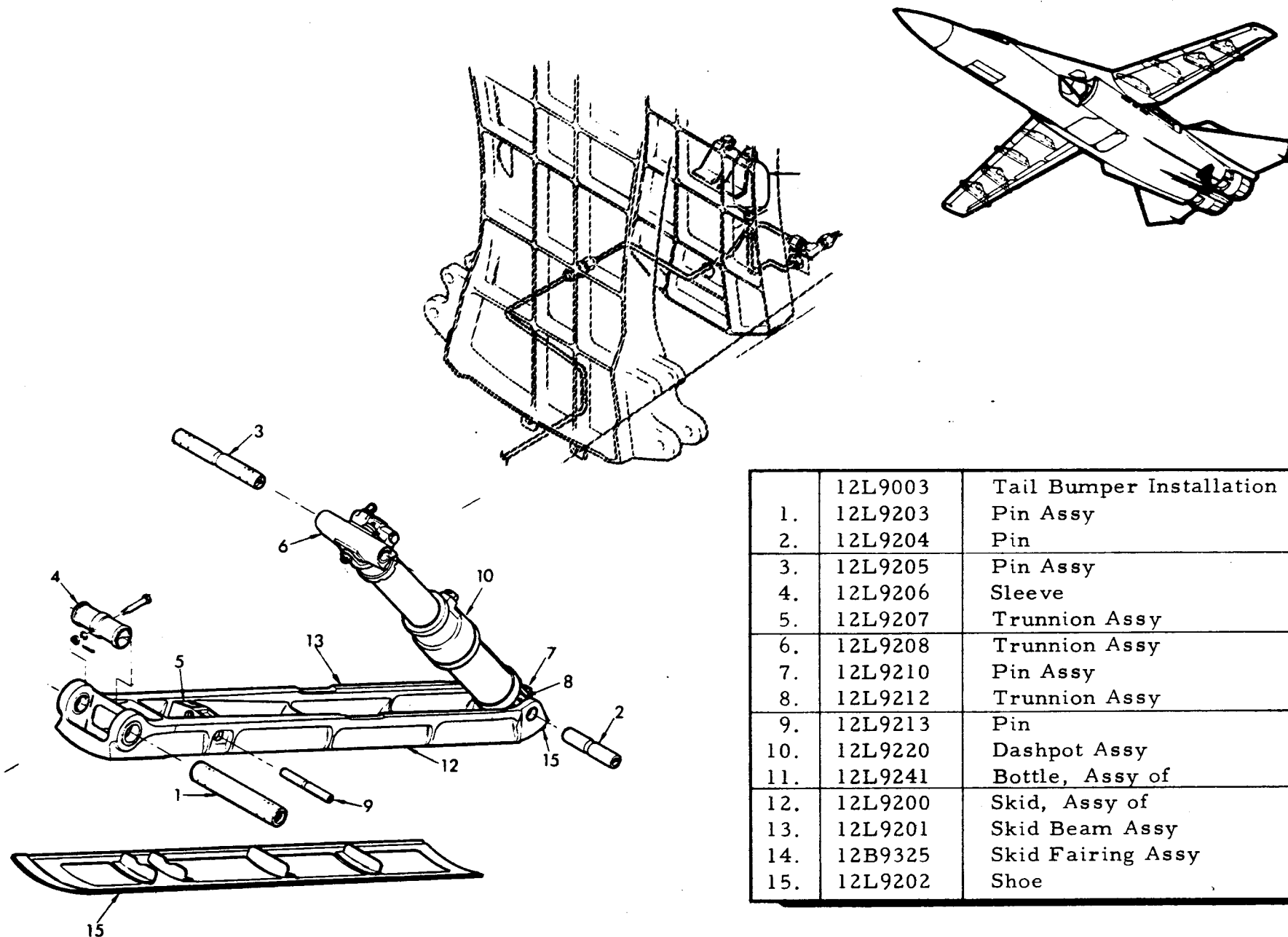
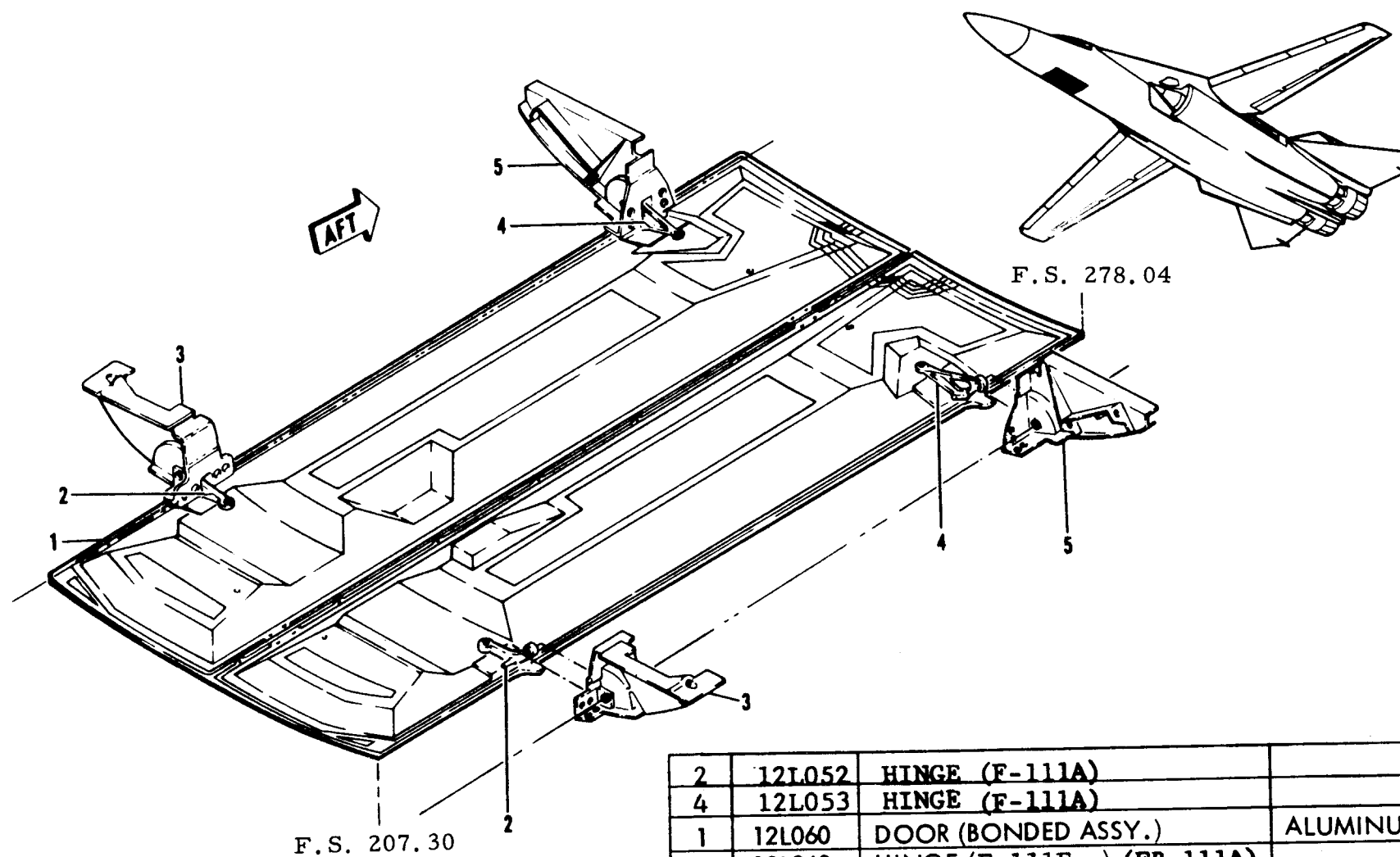


Figure 4-158 TAIL BUMPER ASSEMBLY



2	12L052	HINGE (F-111A)	
4	12L053	HINGE (F-111A)	
1	12L060	DOOR (BONDED ASSY.)	ALUMINUM
2	12L268	HINGE (F-111E) (FB-111A)	
3	12F4088	FITTING (MACHINED CASTING)	356-T6
4	12L264	HINGE (F-111E) (FB-111A)	
5	12F4089	FITTING (MACHINED CASTING)	356-T6

Figure 4-159 NOSE LANDING GEAR DOORS

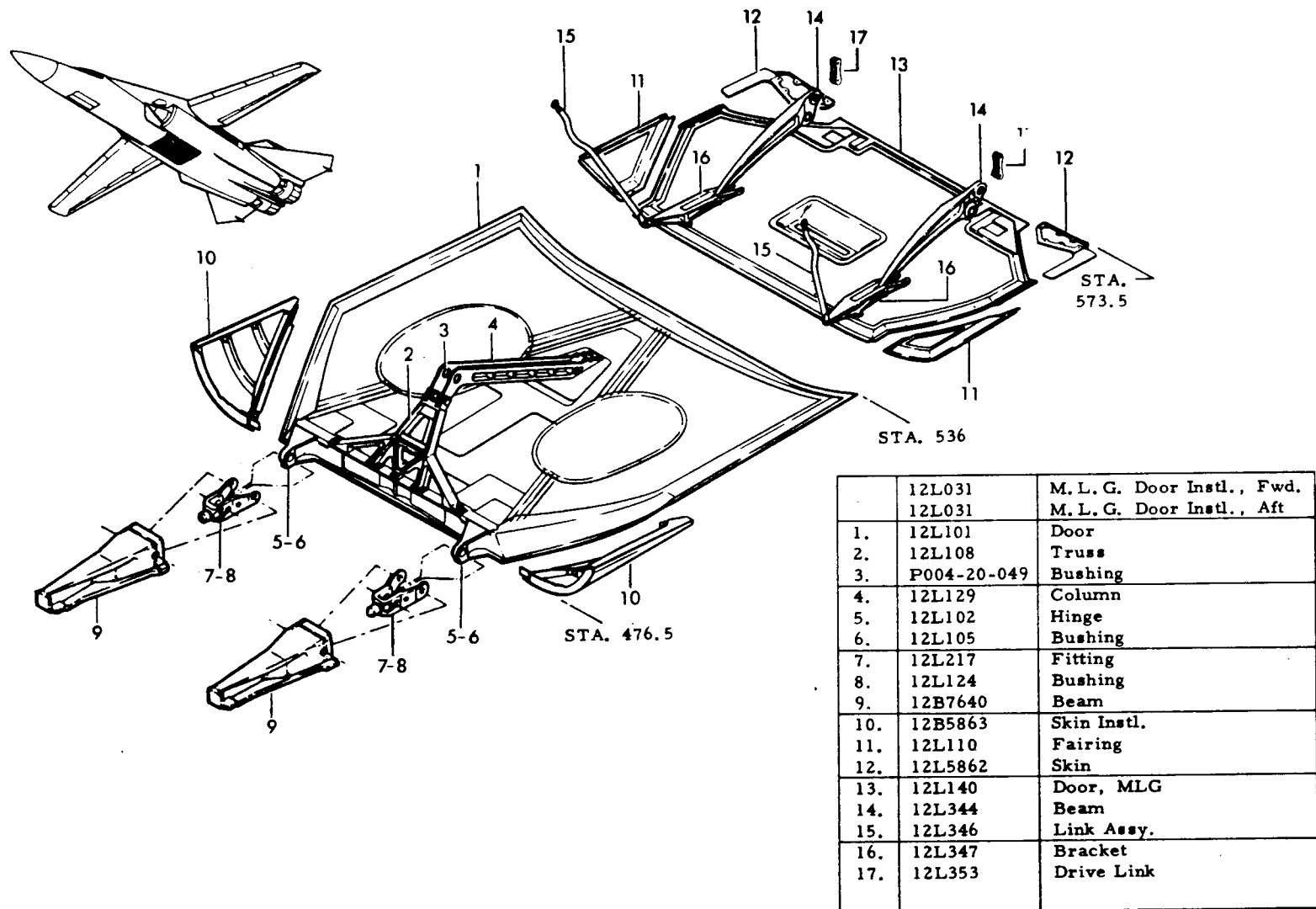


Figure 4-160 MAIN LANDING GEAR DOORS AND FAIRINGS

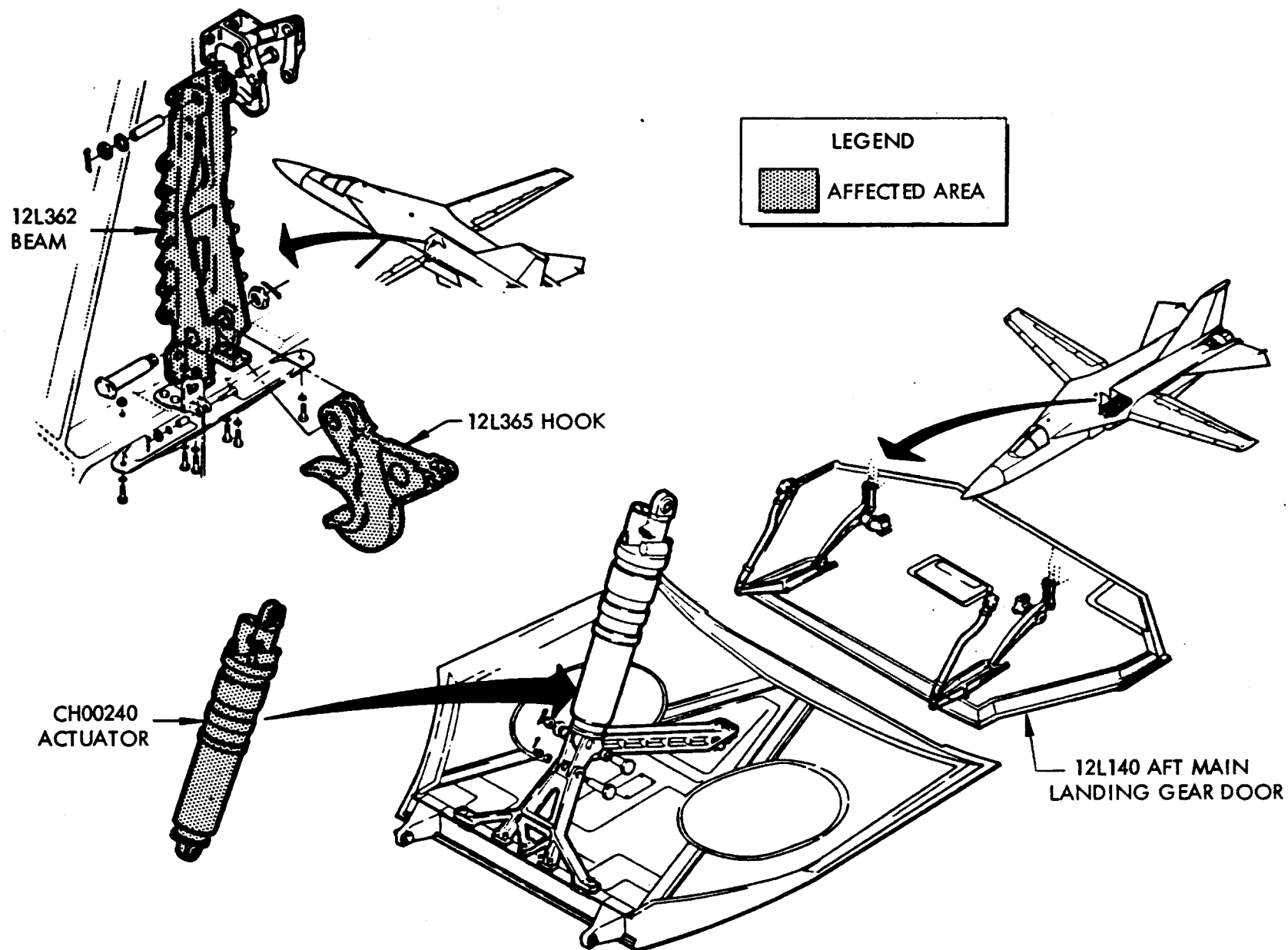
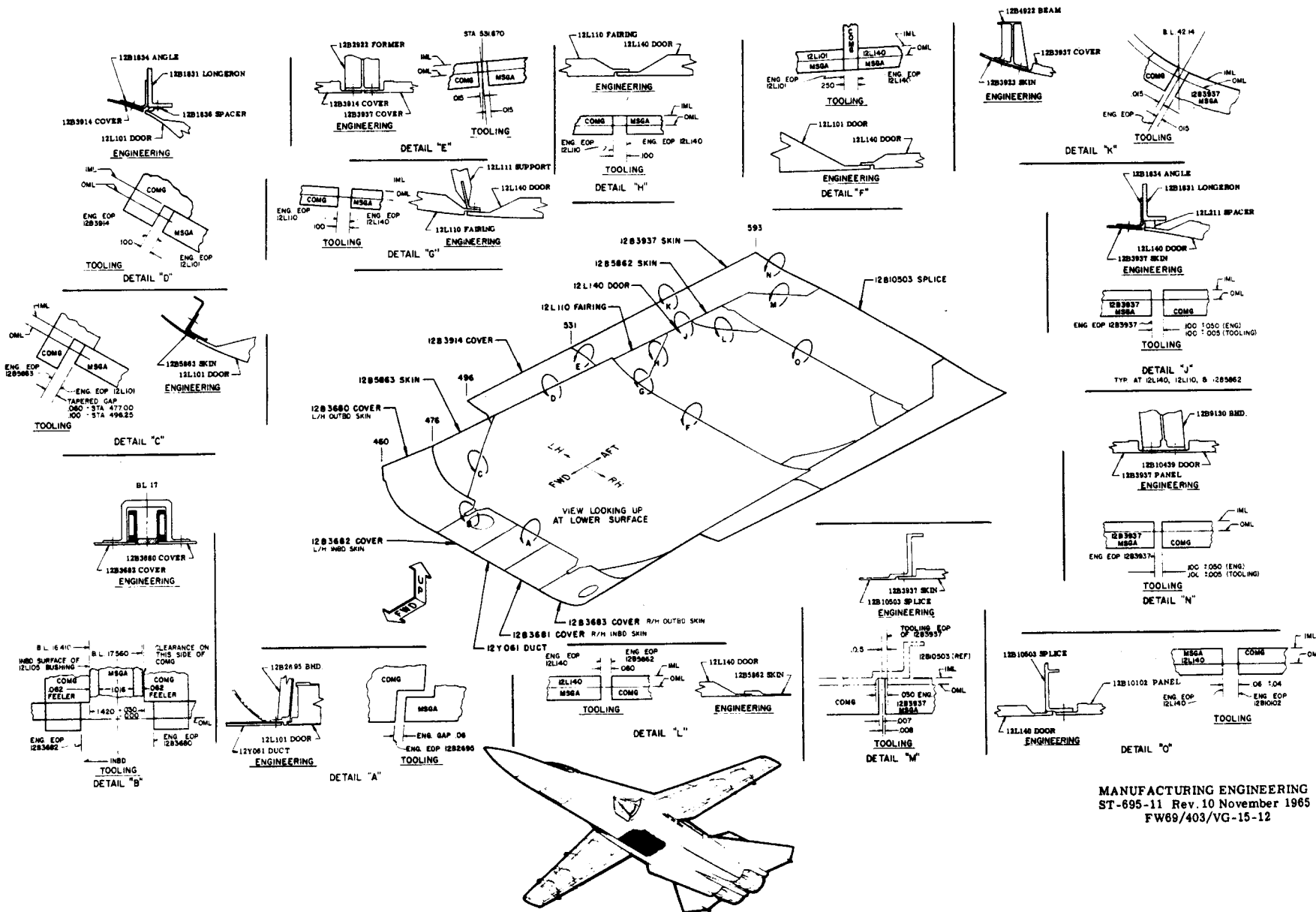
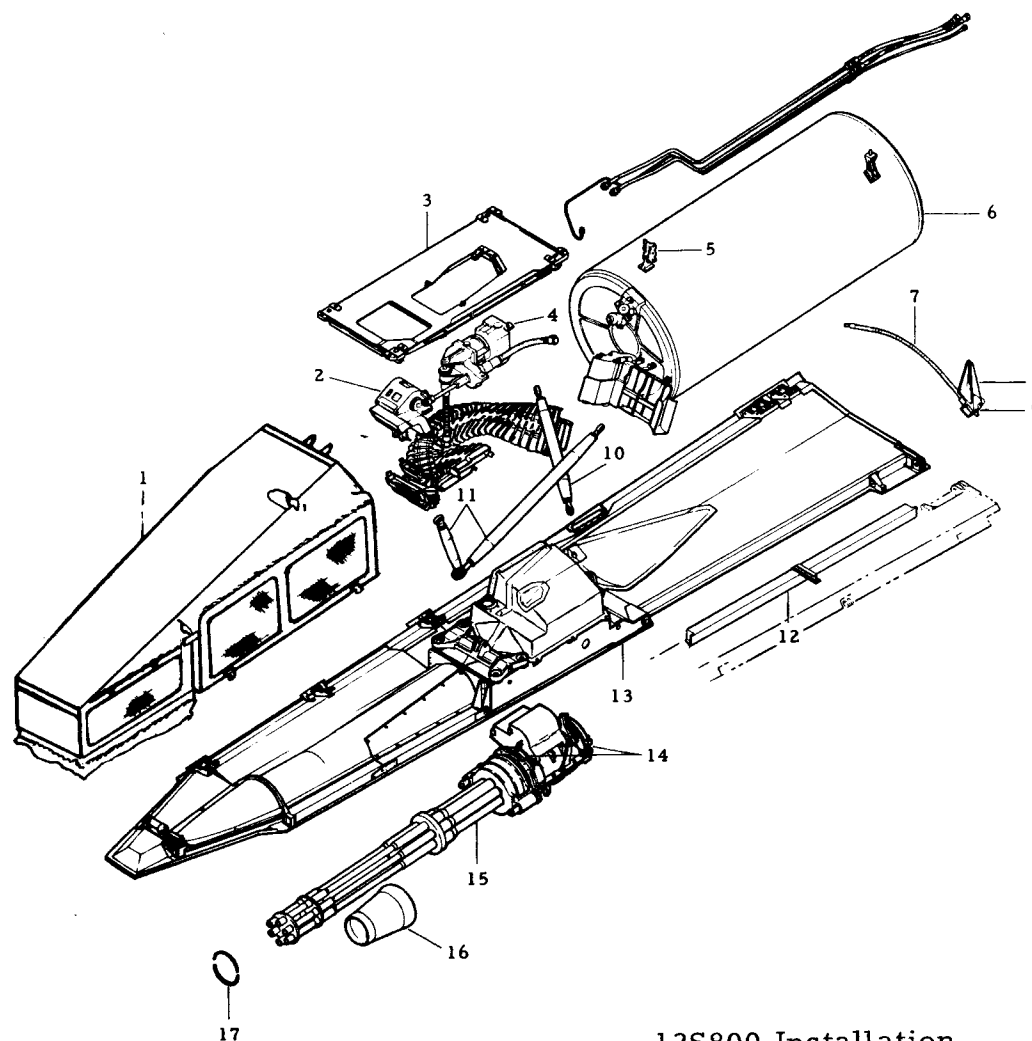


Figure 4-160A ECP 2070 - INSTALL IMPROVED SPEED BRAKE ACTUATOR
AND CONTROL (TAC 160-on)
4-163A



MANUFACTURING ENGINEERING
ST-695-11 Rev.10 November 1965
FW69/403/VG-15-12



F-111A F-111E	1.	12S811	EXPENDED CASE GUN ASSY
	1.	12S414	Expended Case Bin Assy.
	2.	CS00005	Drive Assy.
	3.	12S803	Panel Assy.
	4.	CH00324	Motor & Drive
	5.	12S815	Bracket
	6.	CS00005	Drum Assy.
	7.	C3167	Shaft
	8.	12S847	Support
	9.	12S884	Lock
	10.	12S804	Truss, Yaw
	11.	12S804	Truss, Pitch
	12.	12S852	Adapter Assy.
	13.	12S801	Enclosure Assy.
	14.	12S853	Pins
	15.	M61-A1	Gun
	16.	12S827	Baffle Assy.
	17.	12S888	Ring

12S800 Installation

Figure4-162 F-111A WEAPONS BAY GUN PRODUCTION BREAKDOWN
F-111E

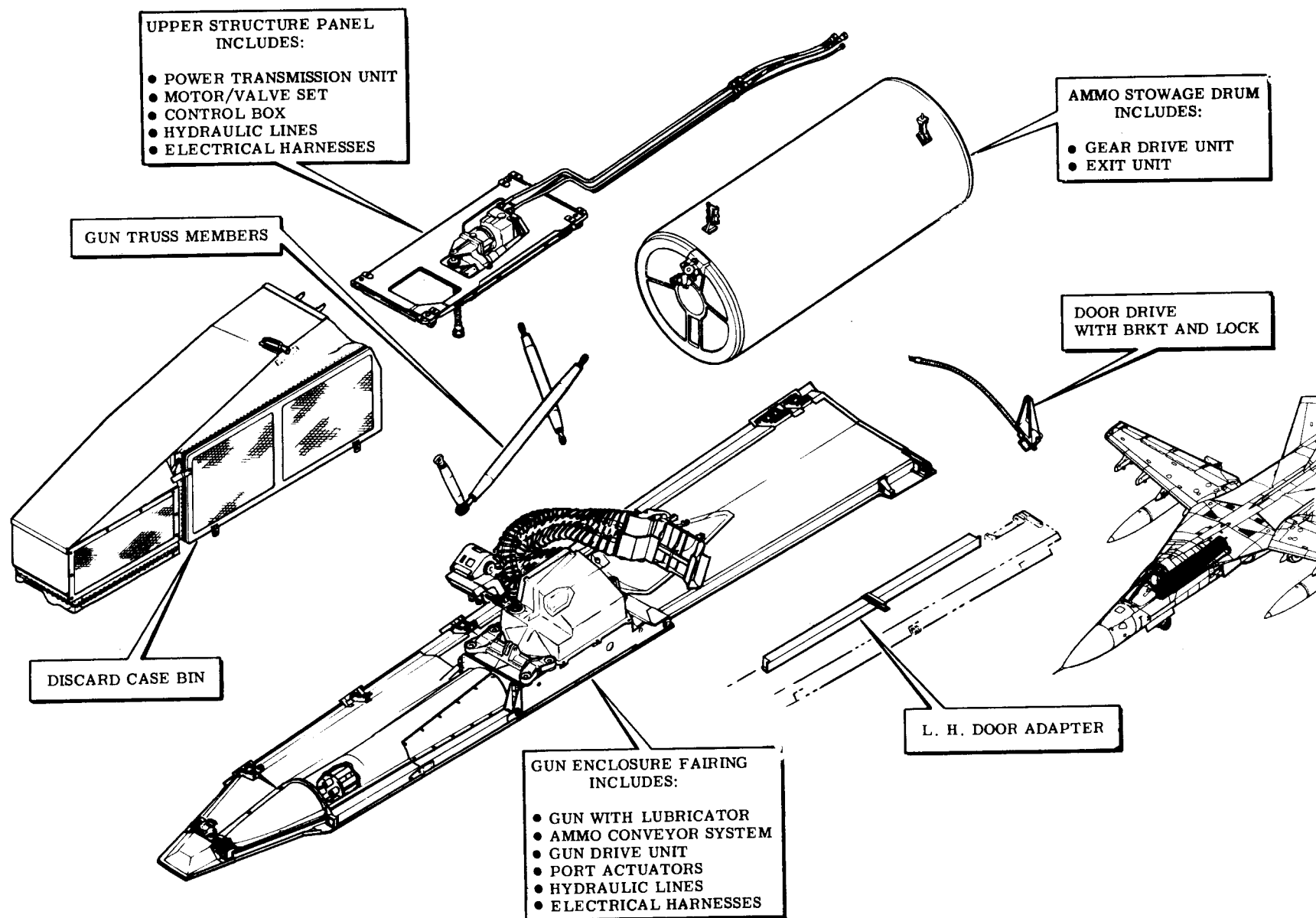


Figure 4-163 F-111A WEAPONS BAY COMPONENTS
F-111E

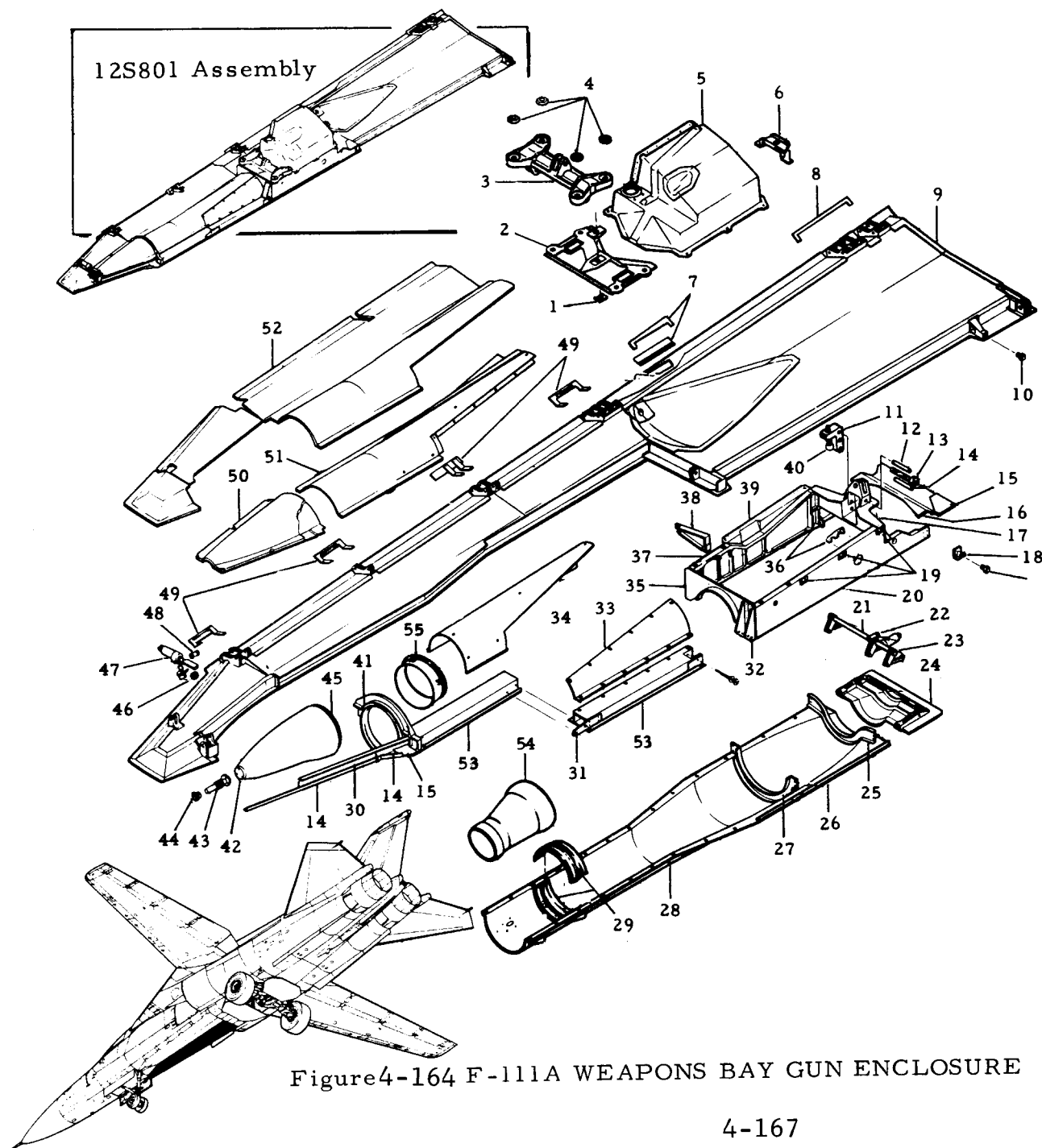


Figure 4-164 F-111A WEAPONS BAY GUN ENCLOSURE

1.	12S855	Cap
2.	12S837	Support
3.	12S814	Support
4.	12S816	Washer
5.	12S834	Cover Assy.
6.	12S856	Cover Assy.
7.	12S848	Door Instl.
8.	12M669	Tab Instl.
9.	12S802	Fairing Assy.
10.	12M650	Stop
11.	12S839	Fitting
12.	12S857	Pin
13.	12S877	Bolt Assy.
14.	12S801	Angle
15.	12S801	Splice
16.	12S801	Filler
17.	12S838	Support
18.	12M652	Bracket
19.	12S801	Clip
20.	12S829	Beam
21.	12S845	Tube Assy.
22.	12S879	Pillow Block
23.	12S844	Link
24.	12S843	Port Assy.
25.	12S858	Frame
26.	12S836	Angle
27.	12S867	Frame
28.	12S836	Fairing Assy.
29.	12S827	Frame
30.	12S801	Beam
31.	12S828	Beam Assy.
32.	12S801	Bracket
33.	12S835	Door
34.	12S866	Shield
35.	12S831	Bulkhead
36.	12S882	Hinge
37.	12S830	Beam
38.	12S886	Support
39.	12S833	Support
40.	12S840	Bolt
41.	12S819	Ring
42.	12S870	Spacer
43.	12S821	Gear Assy.
44.	12S851	Cam
45.	12S817	Port Assy.
46.	12S821	Gear
47.	12S820	Rack
48.	12S859	Roller
49.	12M669	Tab Instl.
50.	12S846	Cover Assy.
51.	12S835	Fairing Assy.
52.	12S896	Insulation
53.	12S828	Beam Assy.
54.	12S827	Baffle Assy.
55.	12S400	Blast Shield

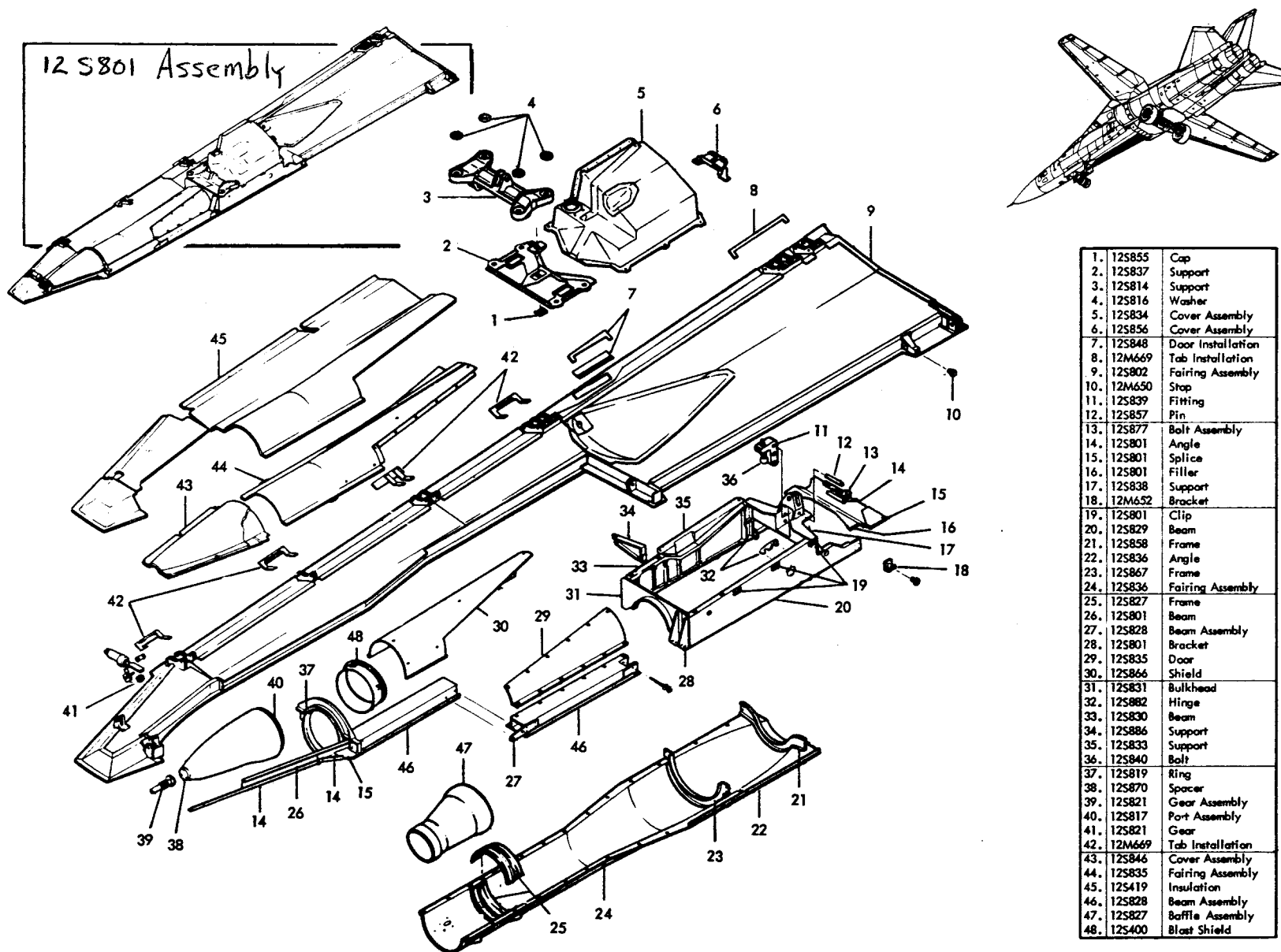


Figure 4-164A F-111E WEAPONS BAY GUN ENCLOSURE (F-111E: A1 160-On)

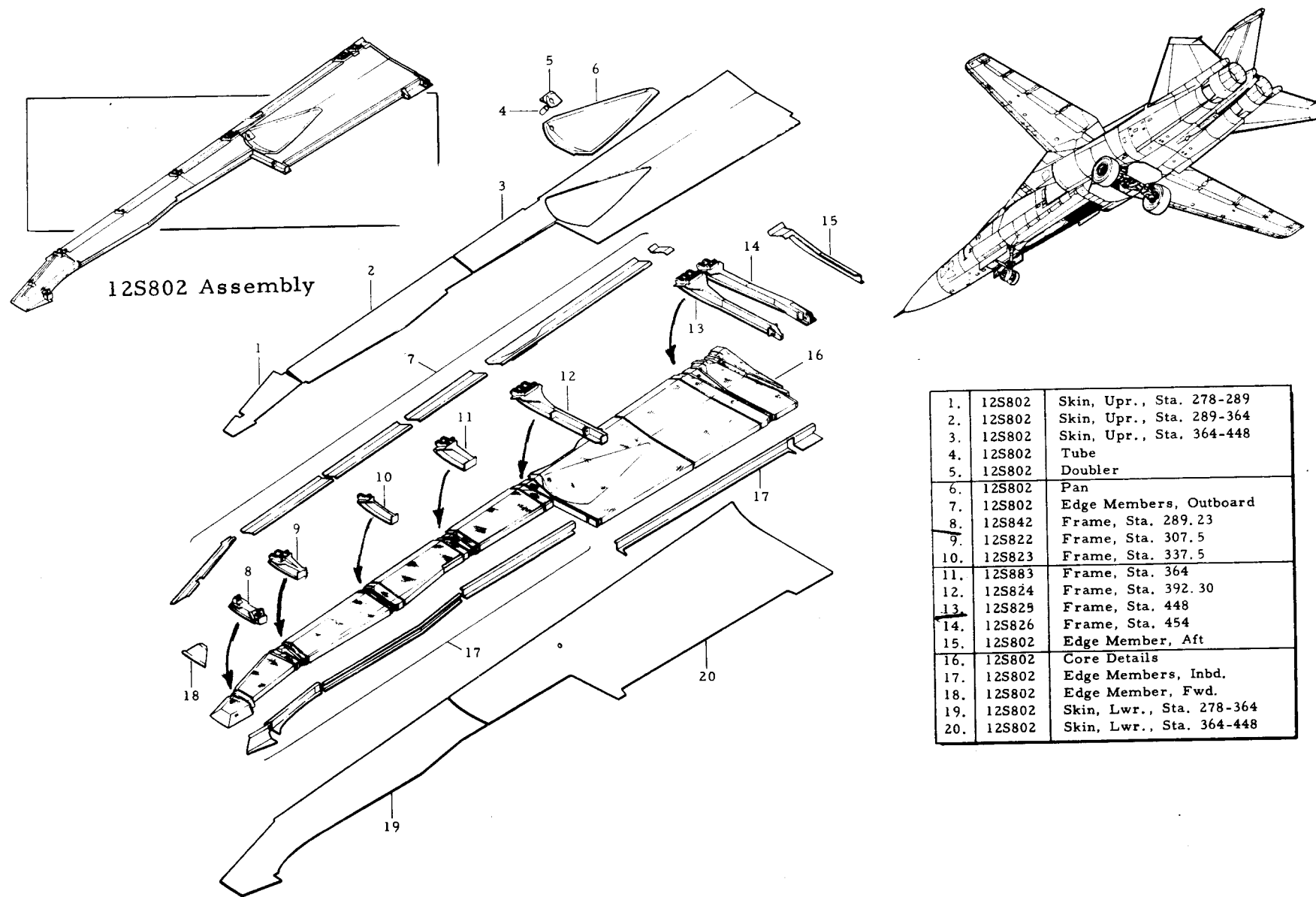


Figure 4-165 F-111A WEAPONS BAY GUN FAIRING
 F-111E

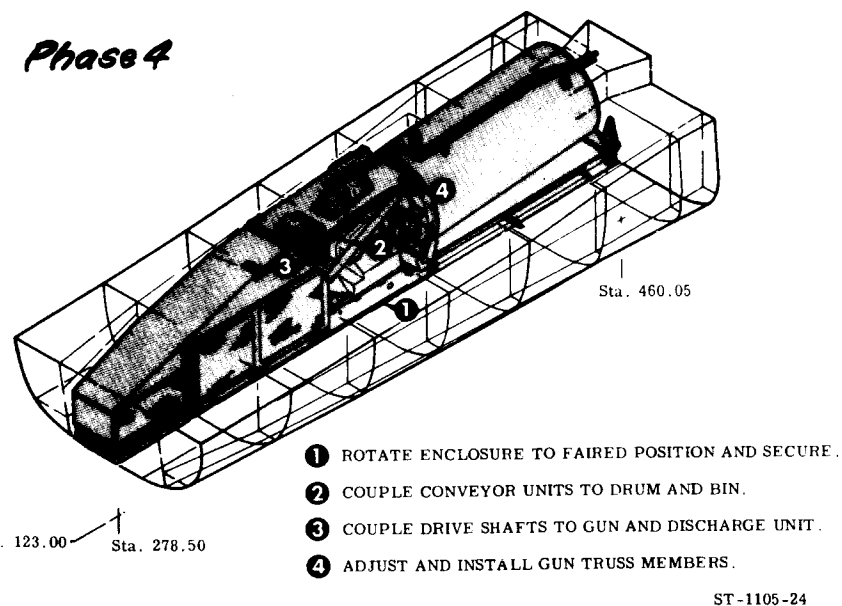
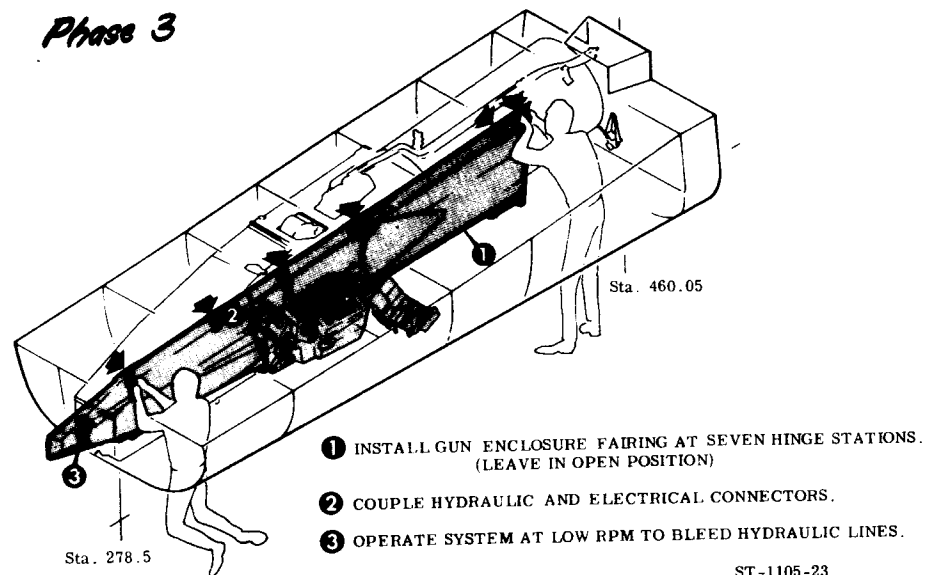
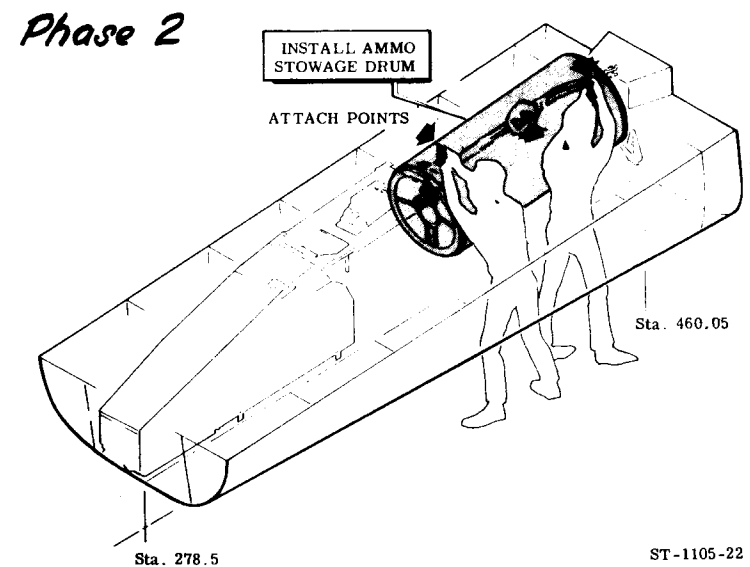
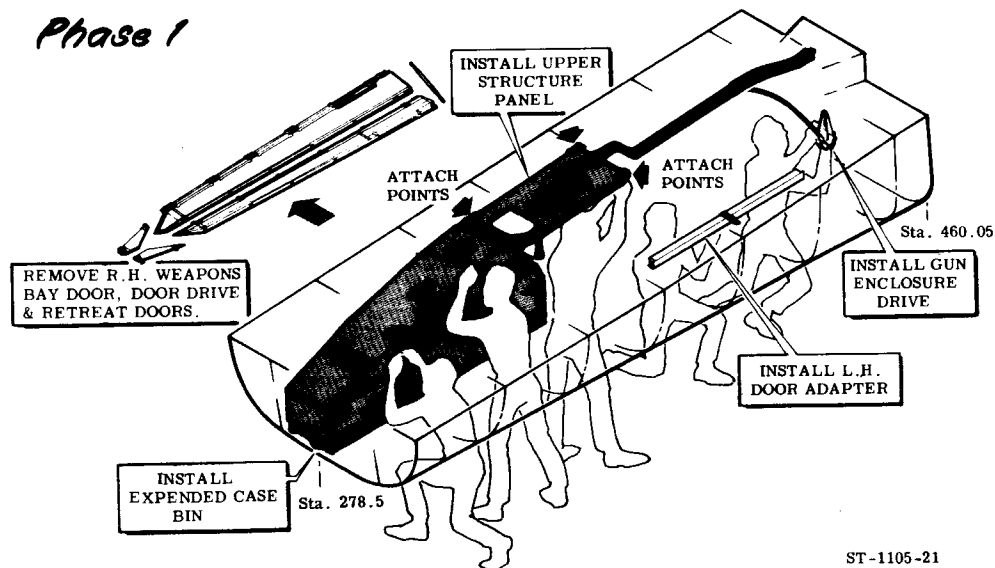


Figure 4-166 F-111A BAY GUN INSTALLATION
F-111E

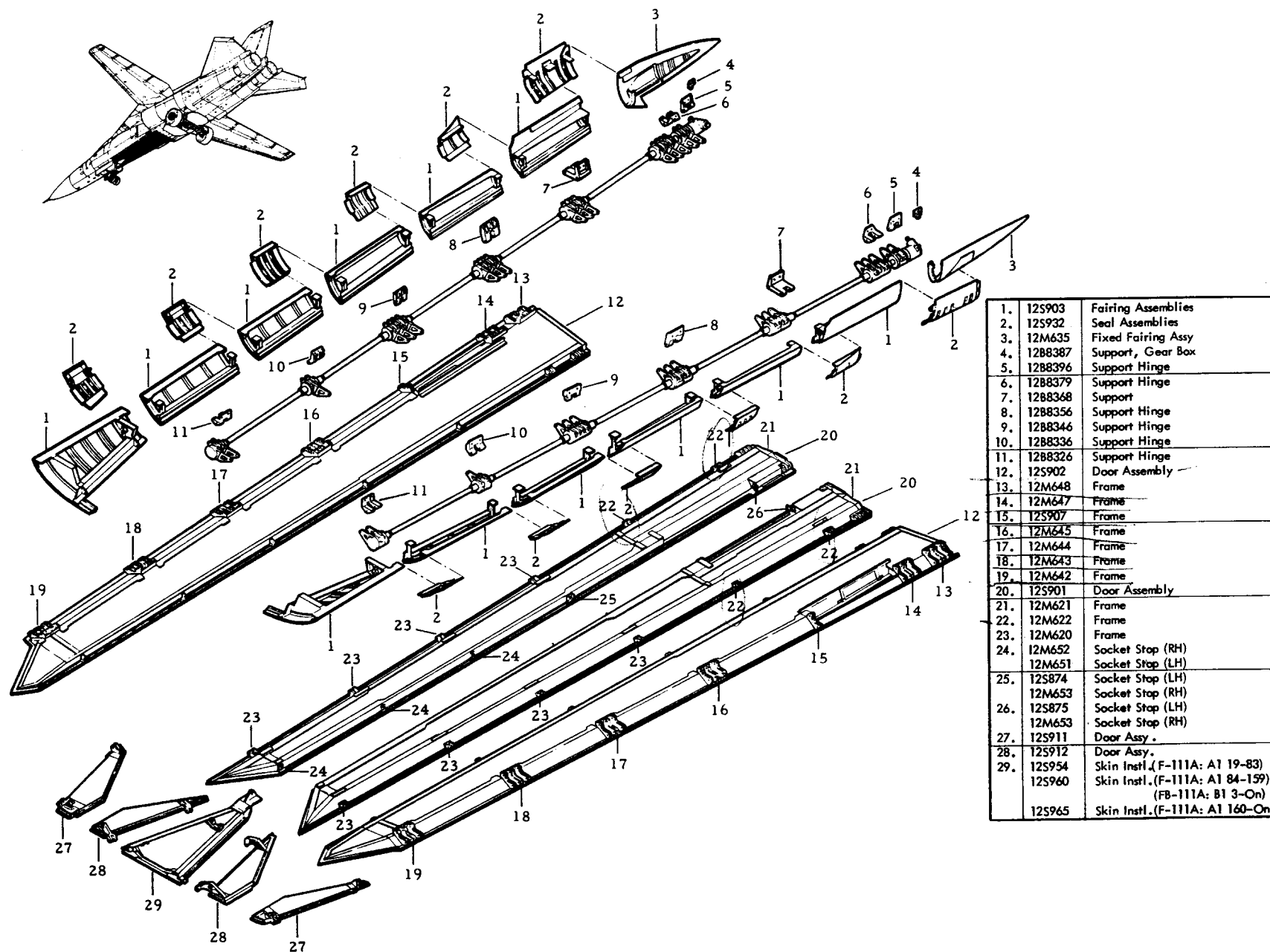


Figure 4-167 POWER HINGE, FAIRINGS AND WEAPONS BAY DOORS

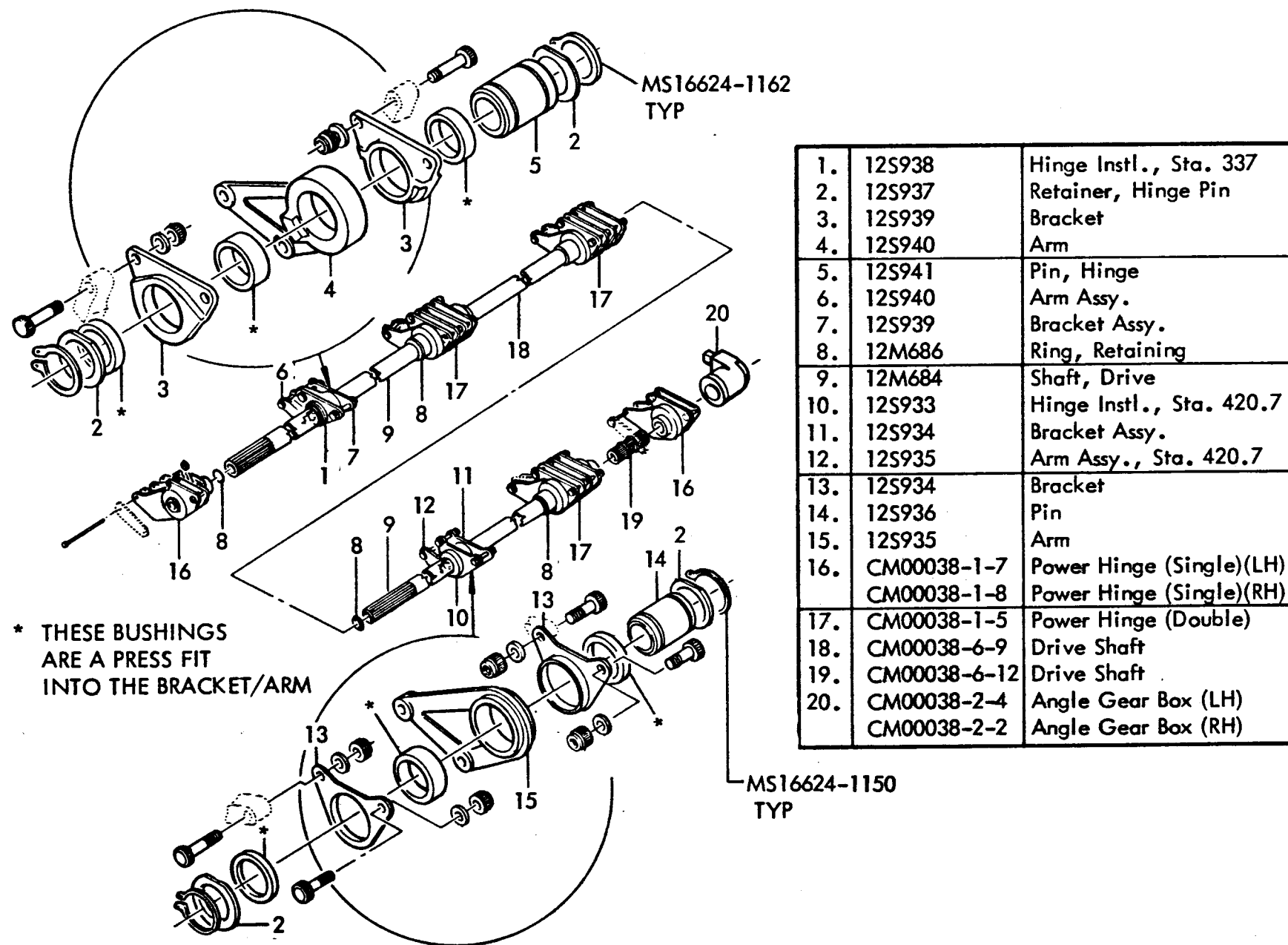
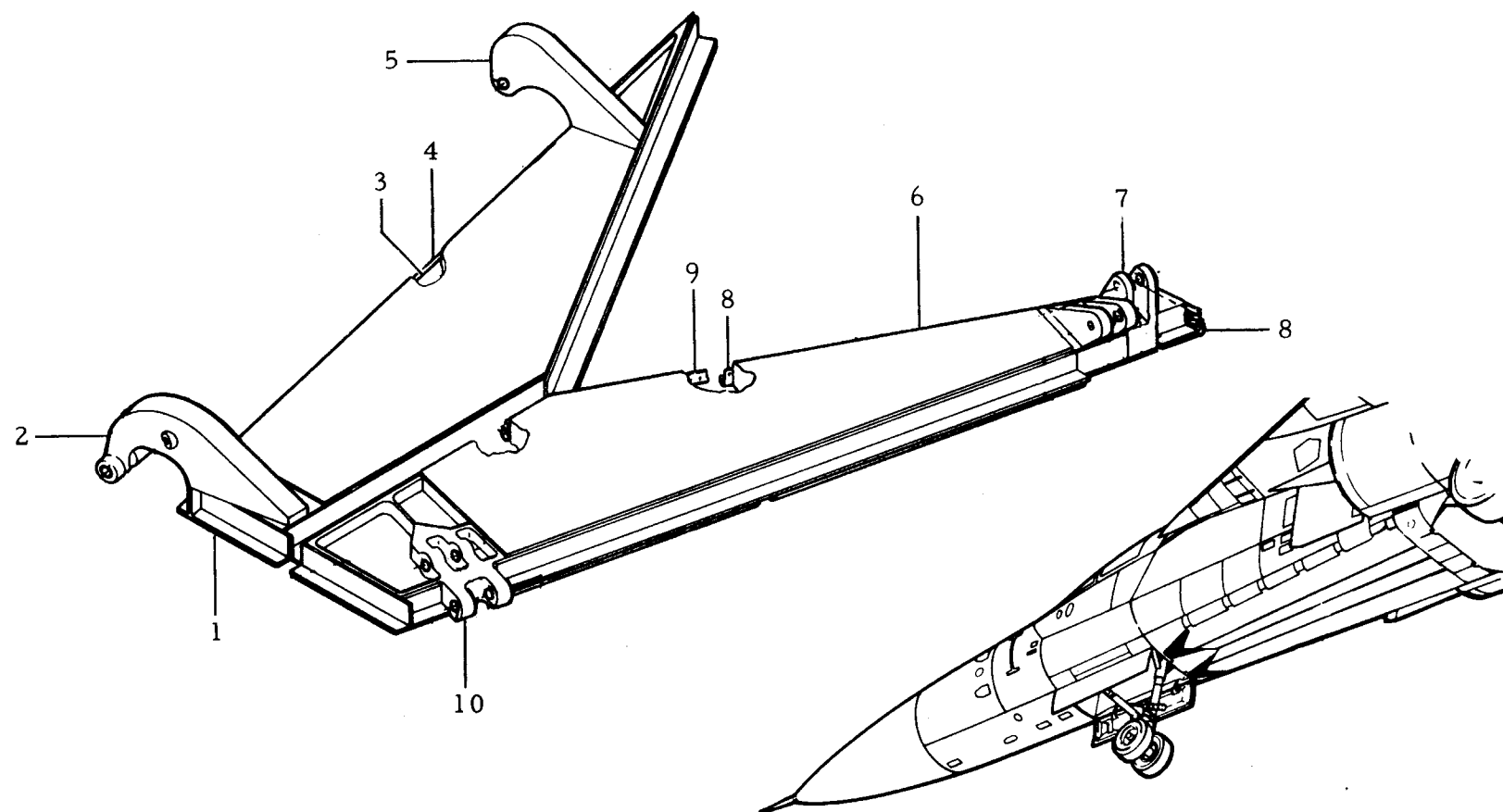


Figure 4-168 WEAPONS BAY DOORS - DRIVE SET INSTALLATION



1.	12S912	Door Assy., R.H.
2.	12S924	Hinge, Fwd.
3.	12S912	Bumper
4.	12S912	Bulb Seal
5.	12S925	Hinge Aft

6.	12S911	Door Assy., L.H.
7.	12S923	Hinge, Aft
8.	12S911	Seal
9.	12S911	Angle
10.	12S920	Hinge

Figure 4-169 WEAPONS BAY FORWARD DOOR - L/R

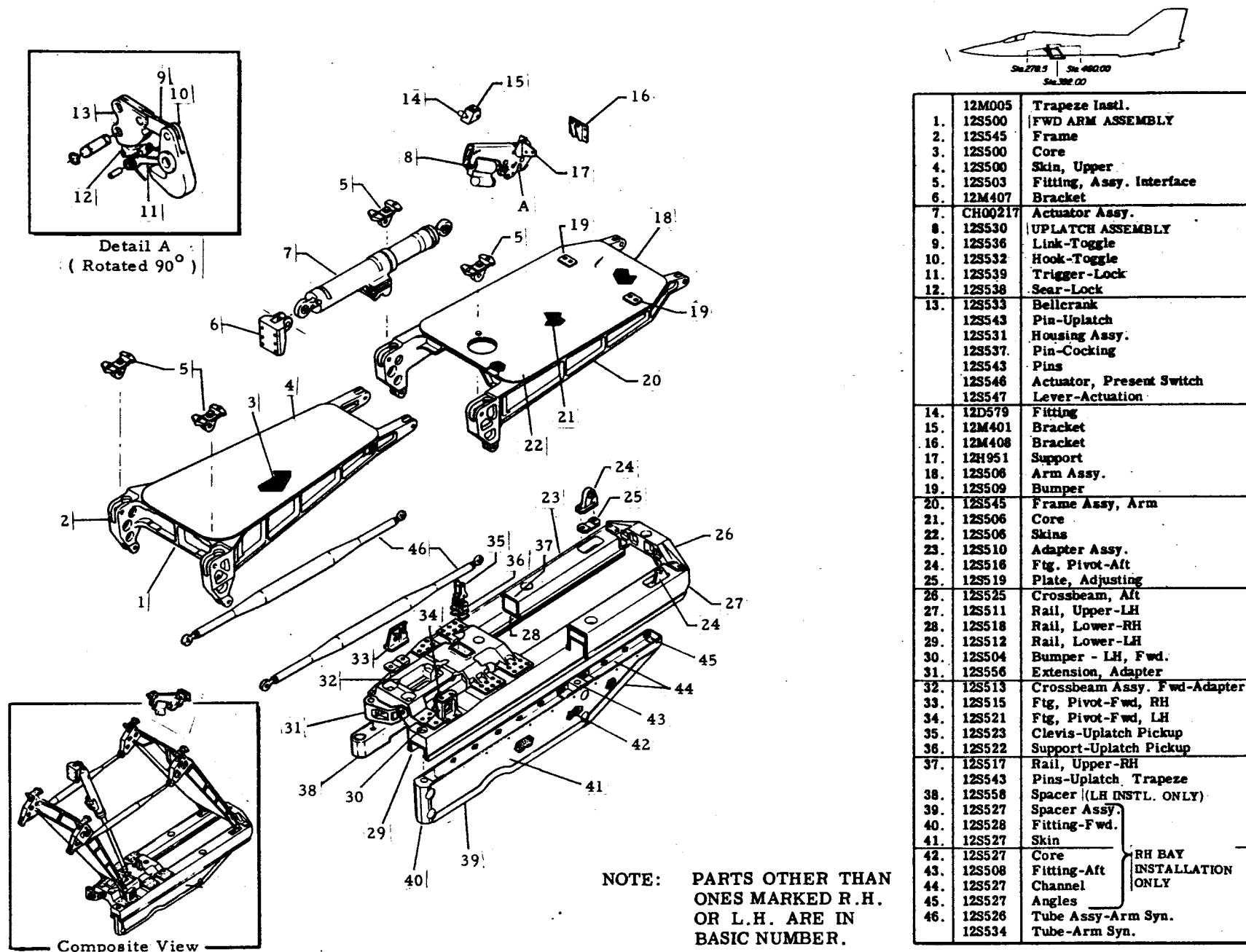


Figure 4-170 TRAPEZE ARRANGEMENT - WEAPONS BAY (F-111A: A1 31-159)

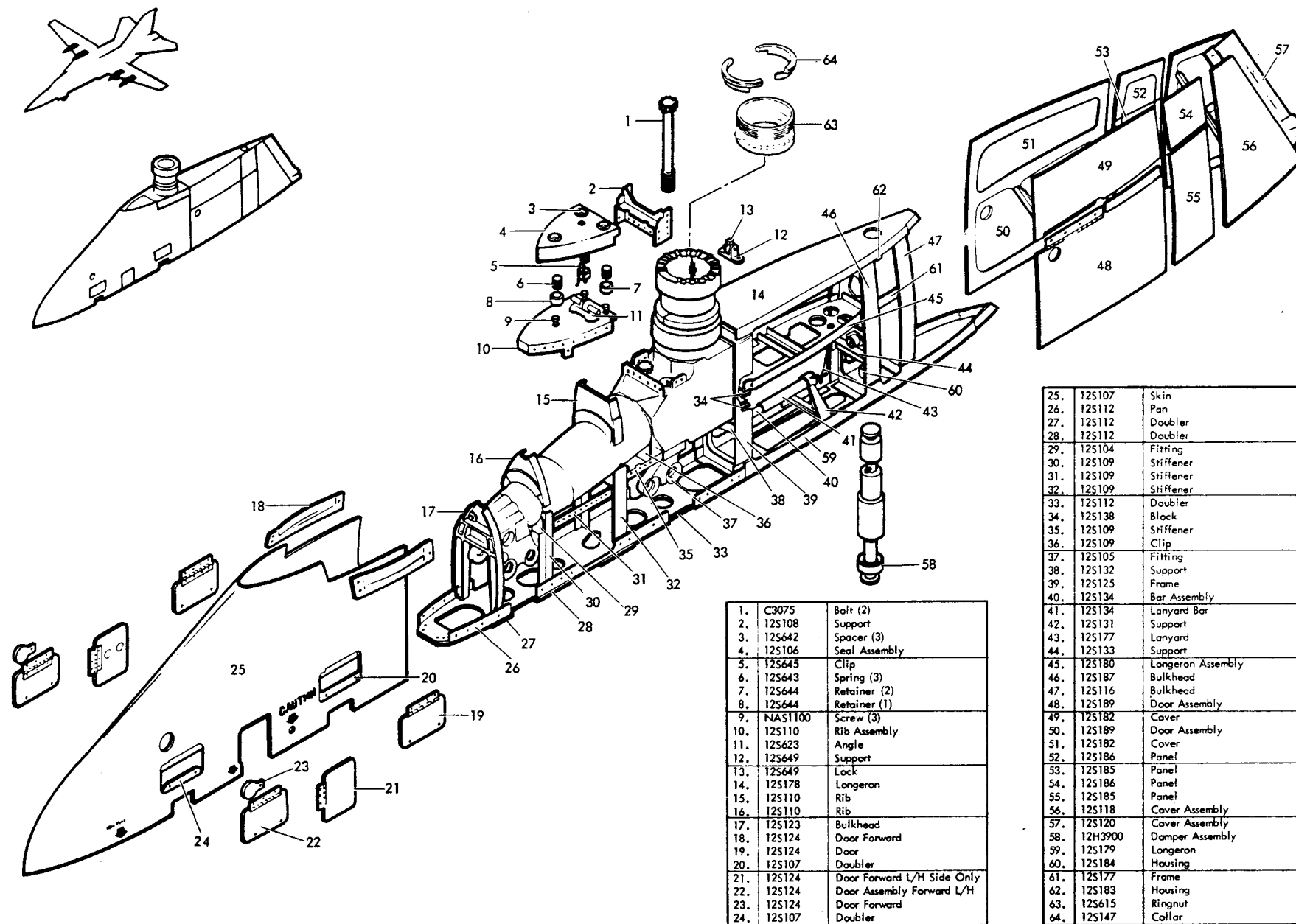
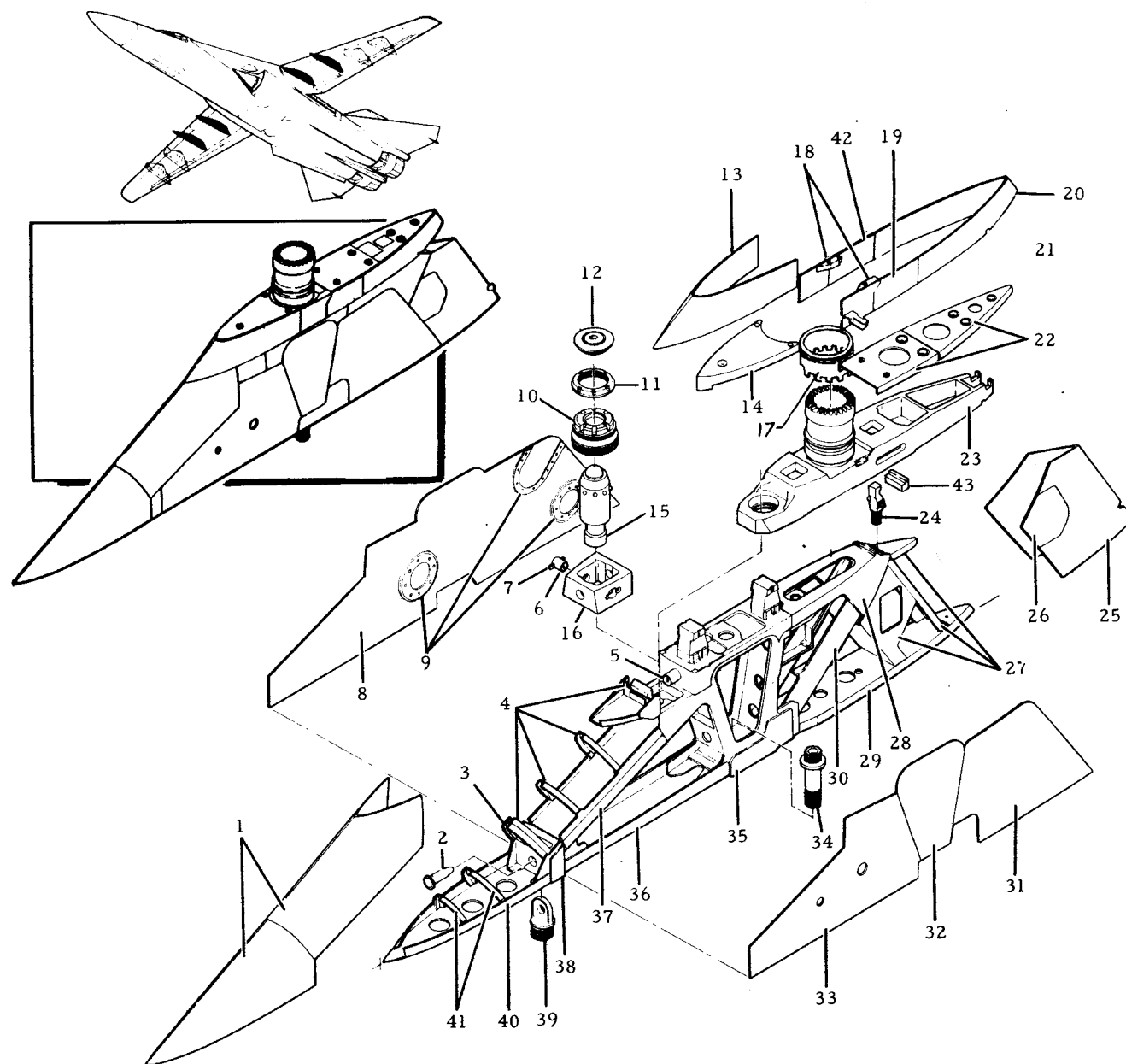
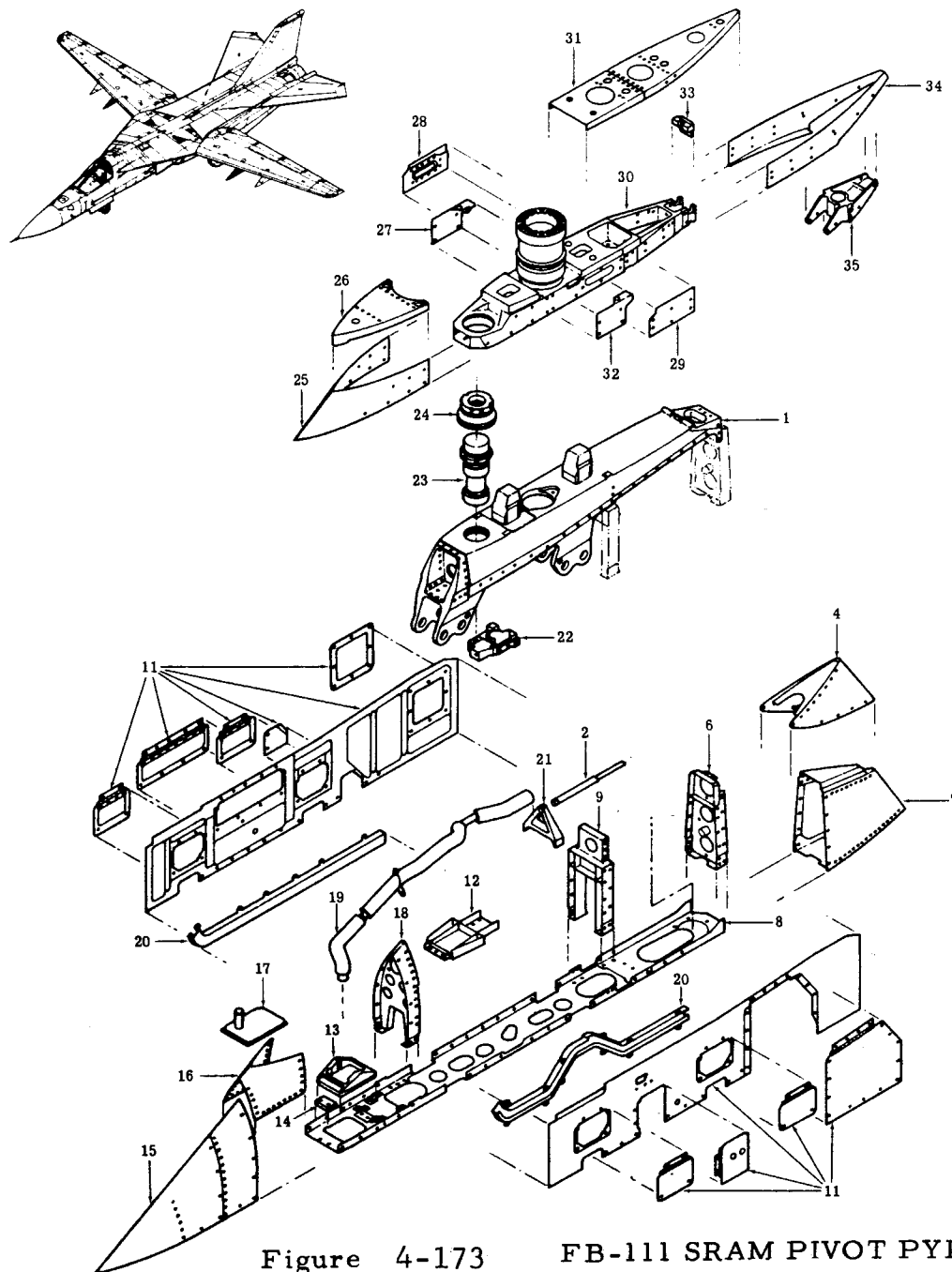


Figure 4-171 PIVOT PYLON (F-111A: A1 31-159; F-111E: A1 160-On)



	12S1001	Pylon Assembly
	12S1003	Adapter Assembly
1.	12S1010	Pylon Fairing
2.	12S1116	Bolt
3.	12S1010	Flat
4.	12S1010	Stiffener
5.	12S1054	Gimbal Pin
6.	12S1055	Pin Ejector
7.	12S1059	Plate
8.	12S1001	Skin
9.	12S1001	Cover
10.	12S1056	Cap
11.	12S1058	Ring
12.	12S1057	Ejector Cap
13.	12S1003	Fairing
14.	12S1012	Seal
15.	12S1001	Ejector
16.	12S1053	Gimbal Ejector Release
17.	12S1020	Ring Nut
18.	12S1013	Seal
19.	12S1003	Door
20.	12S1003	Fairing
21.	12S1007	Guide
22.	12S1014	Seal
23.	12S1011	Adapter Assy.
24.	12S1001	Release Bolt
25.	12S1009	Fairing
26.	12S1009	Cover
27.	12S1009	Stiffener
28.	12S1008	Aft Upper Beam
29.	12S1009	Closure
30.	12S1017	Beam
31.	12S1001	Panel
32.	12S1001	Cover
33.	12S1001	Panel
34.	C3655	Bolt
35.	12S1004	Support Assy.
36.	12S1016	Fwd. Lower Beam
37.	12S1006	Beam
38.	12S1103	Support
39.	12S1110	Connector
40.	12S1010	Closure
41.	12S1010	Stiffener
42.	12S1015	Door
43.	12S1403	Fitting

Figure 4-172 FB-111 PIVOT PYLON - TANK (Bomber 3 and On)



1.	12S1402	SUPPORT
2.	12S1419	LANYARD BAR
3.	12S1413	FAIRING
4.	12S1414	FAIRING
5.	12S1415	SEAL
6.	12S1409	AFT FRAME
7.	12S1405	FAIRING
8.	12S1406	CLOSURE
9.	12S1408	CENTER FRAME
10.	12S1410	PANEL
11.	12S1411	FITTING
12.	12S1418	SEAL
13.	12S1418	SEAL
14.	12S1406	LOWER CLOSURE
15.	12S1404	FAIRING
16.	12S1420	FAIRING ASSEMBLY
17.	12S1422	ALTERNATE SEAL
18.	12S1407	FWD FRAME
19.	12Y40170	DUCT - SRAM COOLING
20.	12E40890	GUARD
21.	12S131	LANYARD BAR SUPPORT
22.	12S1480	VALVE ASSEMBLY
23.	12S1435	EJECTOR ASSEMBLY
24.	C4310	RETAINER
25.	12S1451	RETAINER
26.	12S1003	WING ADAPTER ASSY.
27.	12S1012	SEAL
28.	12S1013	SEAL CENTER ADAPTER
29.	12S1015	COVER ASSY.-ADAPTER,AIR
30.	12S1003	COVER
31.	12S1011	ADAPTER
32.	12S1416	SEAL
33.	12S1013	SEAL
34.	12S1403	FITTING
35.	12S1417	ADAPTER
36.	12S1412	SUPPORT

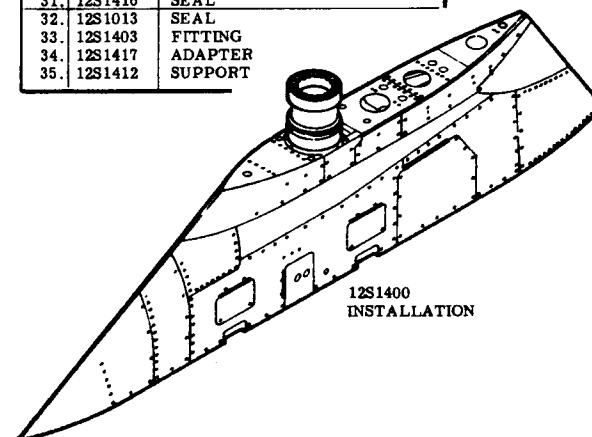


Figure 4-173 FB-111 SRAM PIVOT PYLON (Bomber 3 and On)

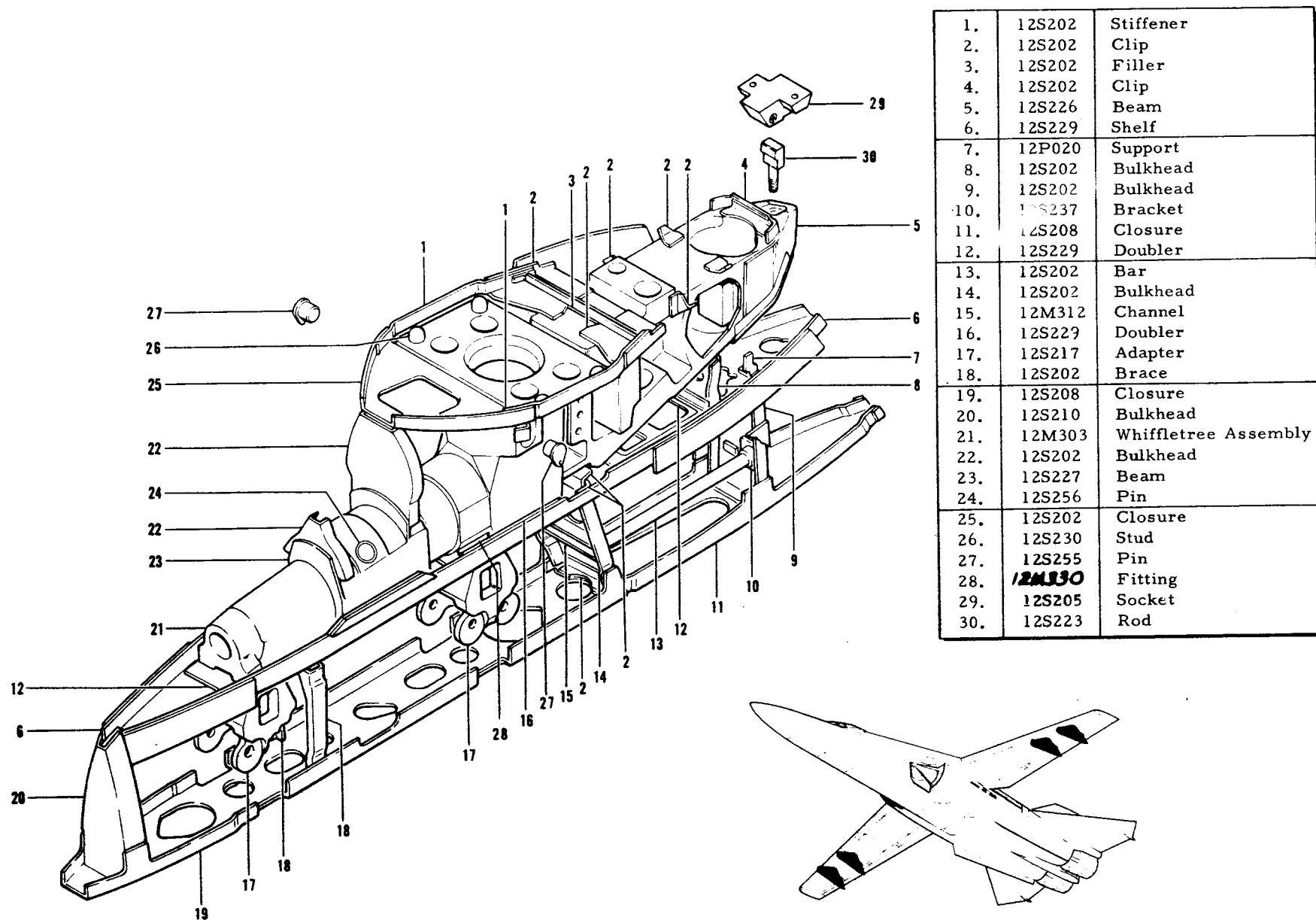
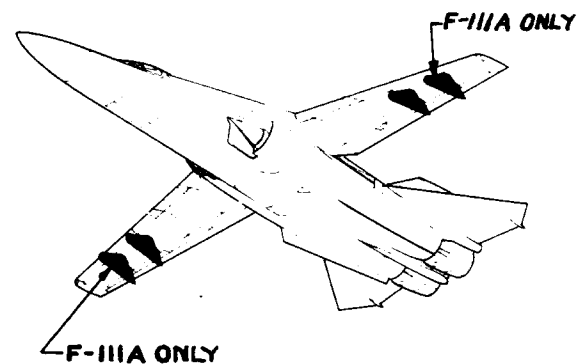
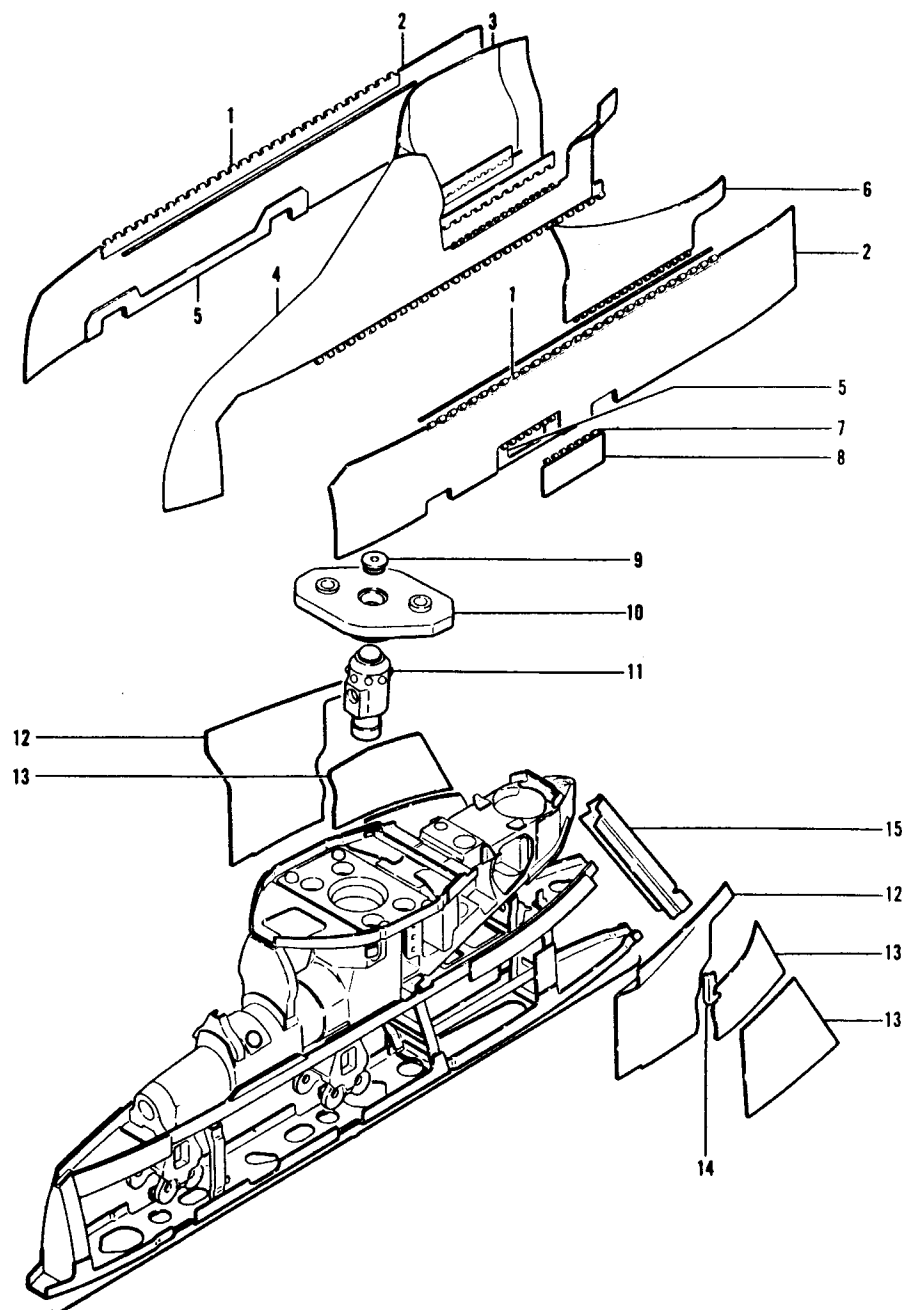
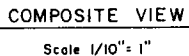


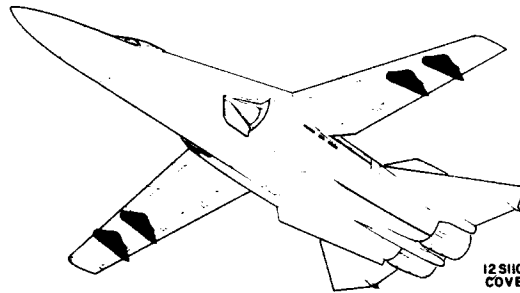
Figure4-174 FIXED PYLON - STRUCTURE



1.	MS20001	Hinge
2.	12S211	Fairing
3.	12S220	DOOR
4.	12S215	Fairing
5.	12S211	Doubler
6.	12S220	DOOR
7.	MS20001	Hinge
8.	12S211	Door
9.	12S232	Cap
10.	12S204	Fitting (Forging)
11.	12S280	Ejector Assembly
12.	12S220	COVER
13.	12S220	Cover
14.	12S220	Stiffener
15.	12S216	Fairing

Figure4-175 FIXED PYLON - SKINS

[illegible]



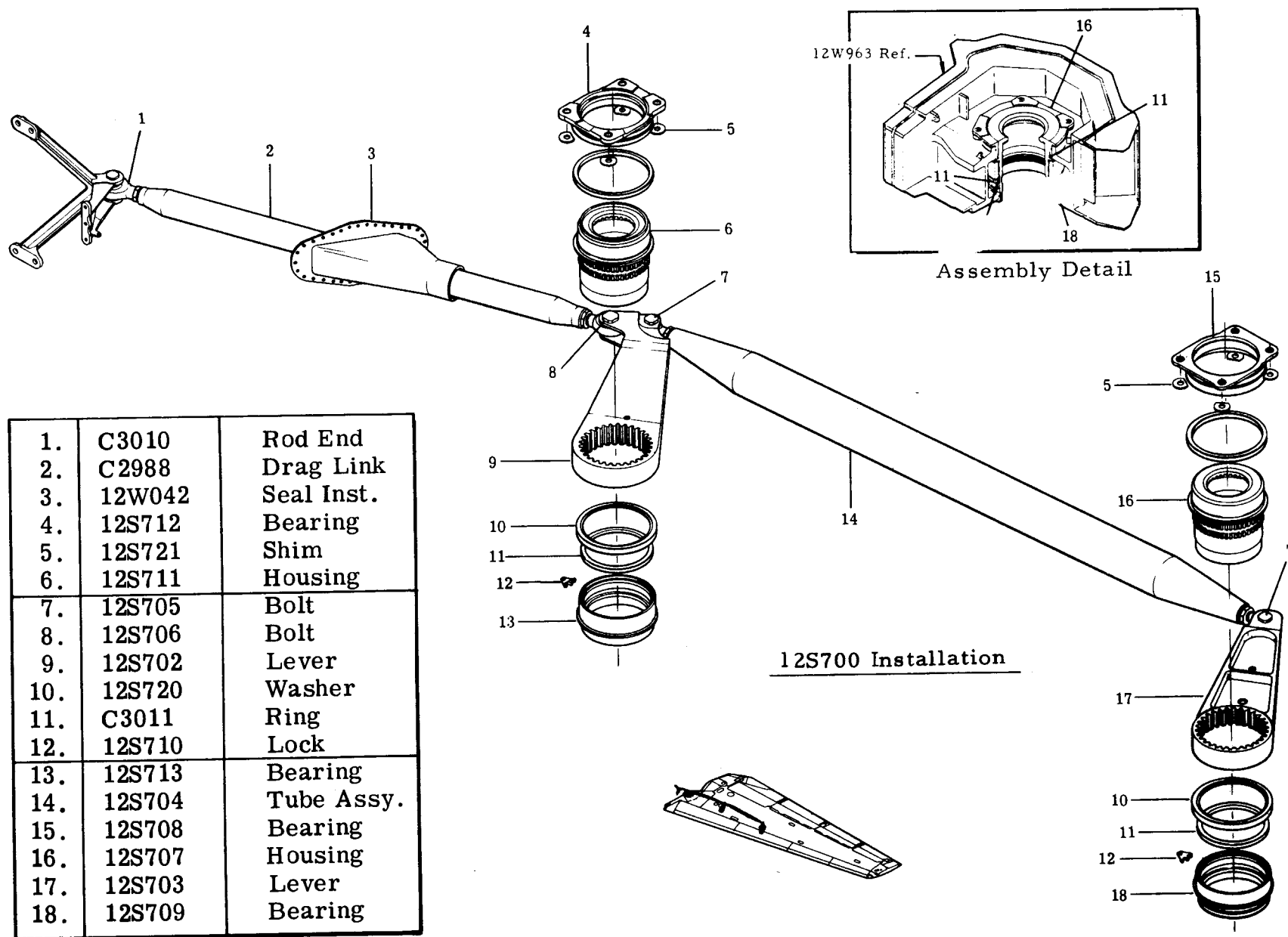


Figure 4-178 WING PIVOT PYLON PIVOTING MECHANISM

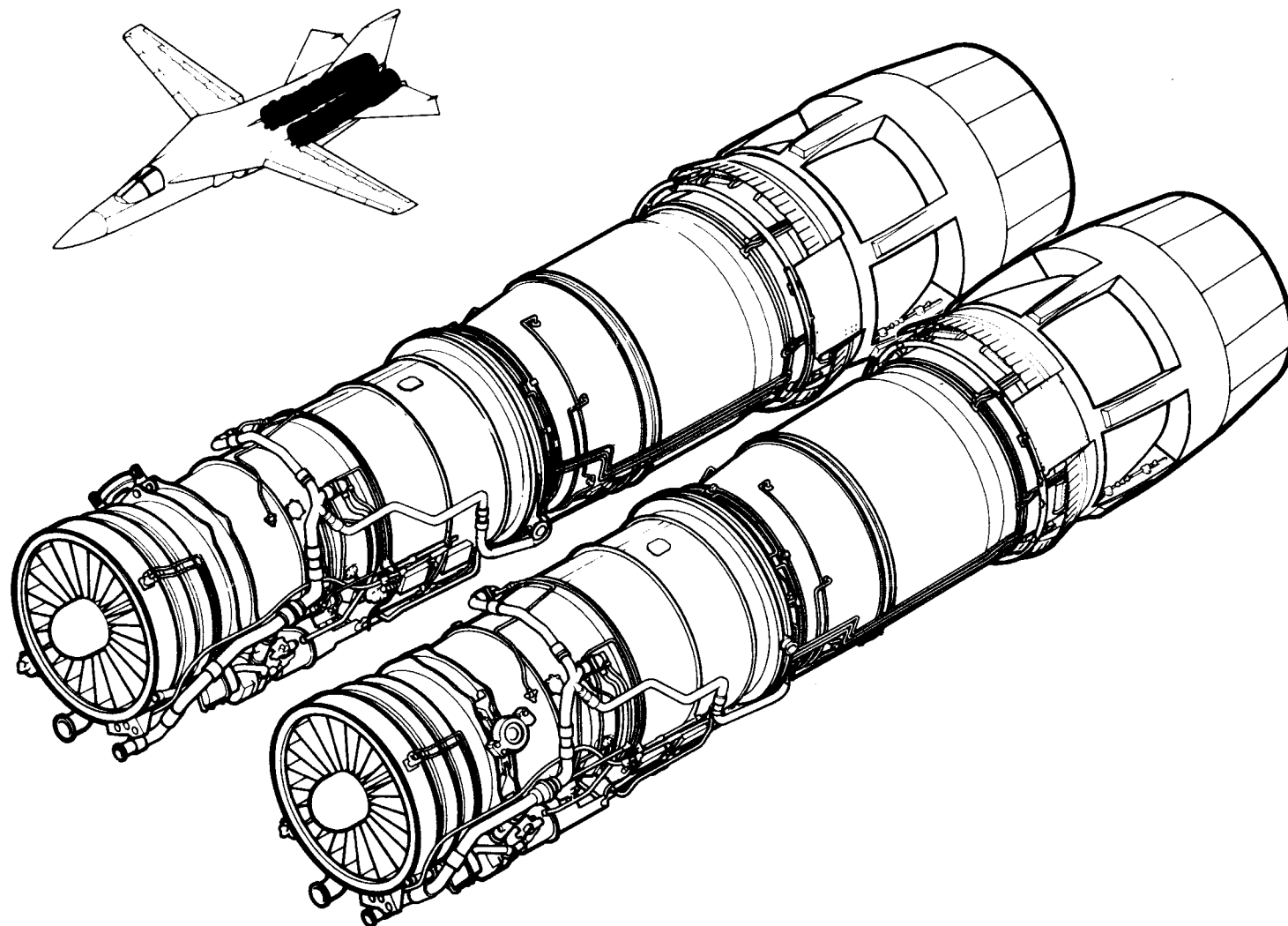


Figure 4-179 F-111A TF-30-P-3 ENGINE
F-111E

4-182

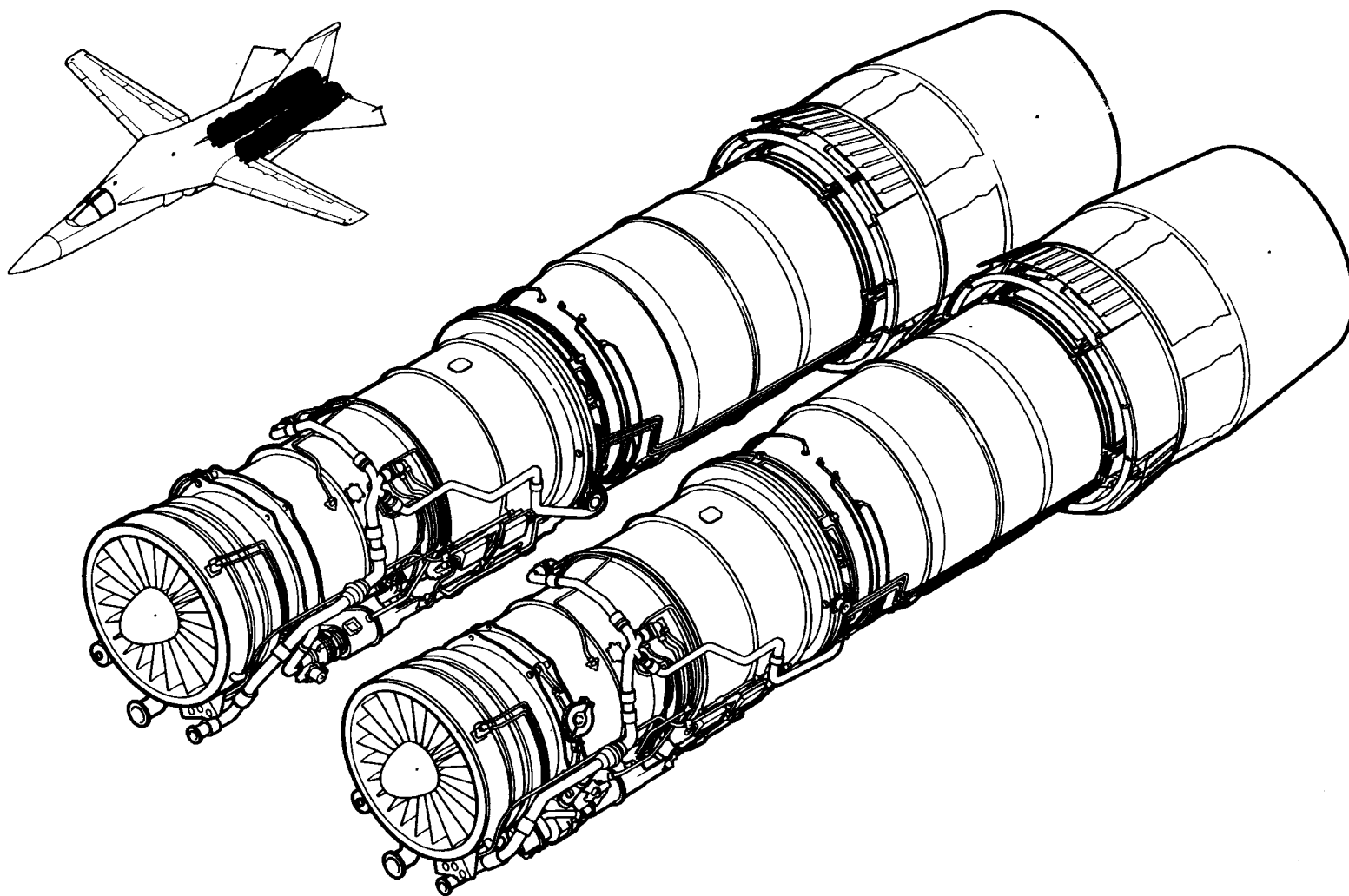


Figure 4-180 FB-111 TF30-P-7 ENGINES (Bomber 3 and On)

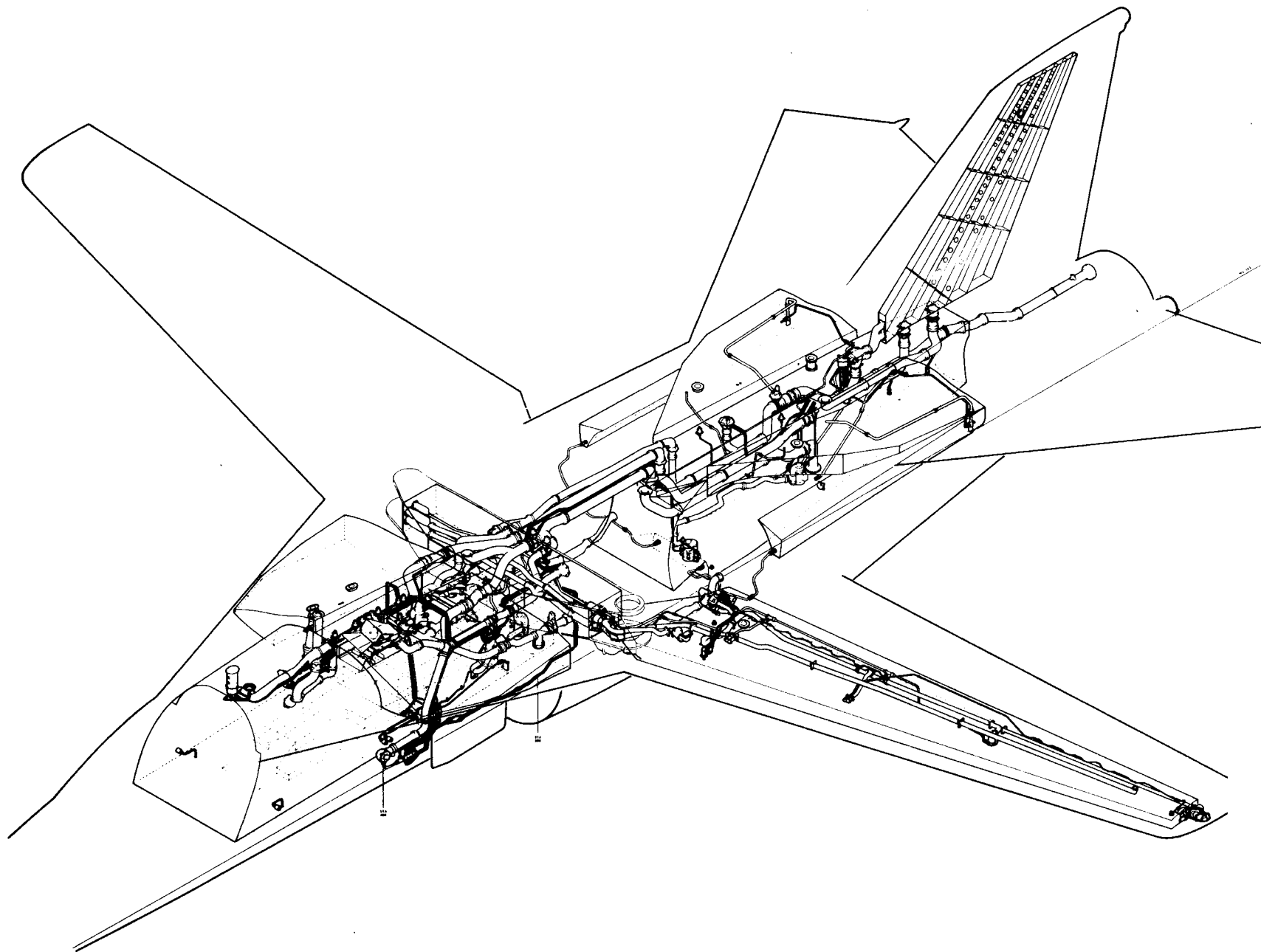


Figure 4-181 FUEL SYSTEM

4-184

ST-1025-34-1

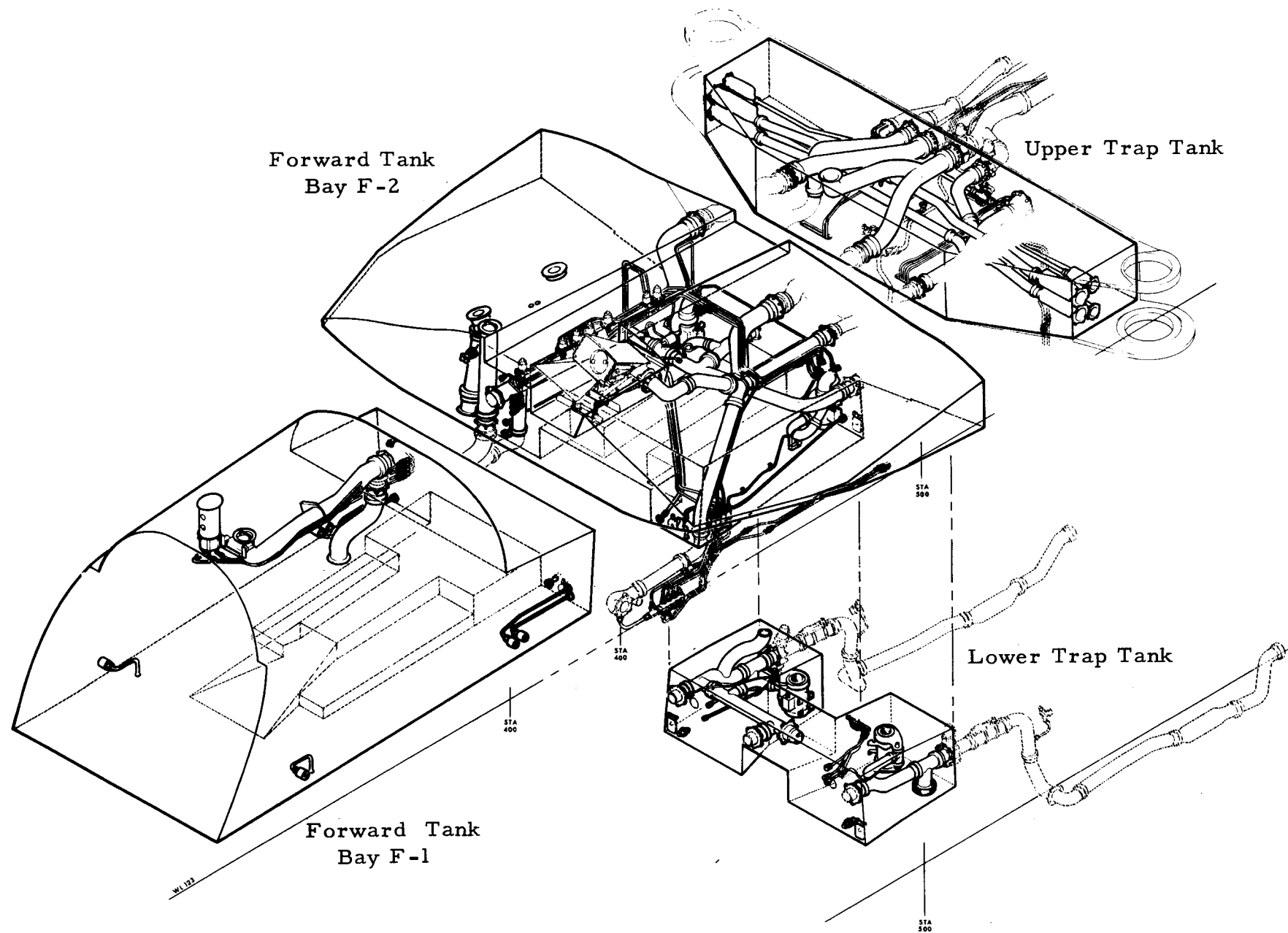


Figure 4-182 FUEL SYSTEM - FORWARD FUSELAGE

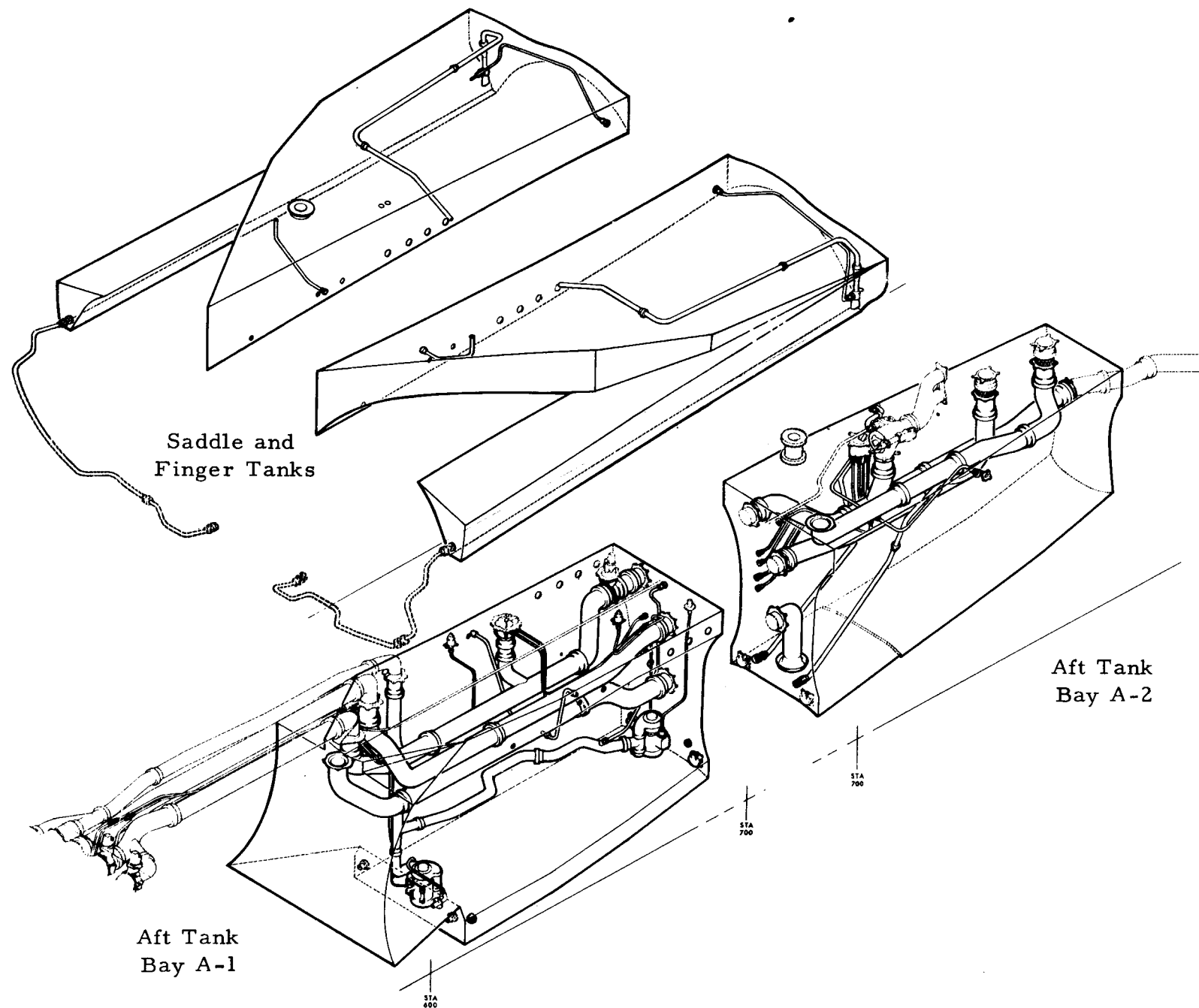


Figure 4-183 FUEL SYSTEM - AFT FUSELAGE

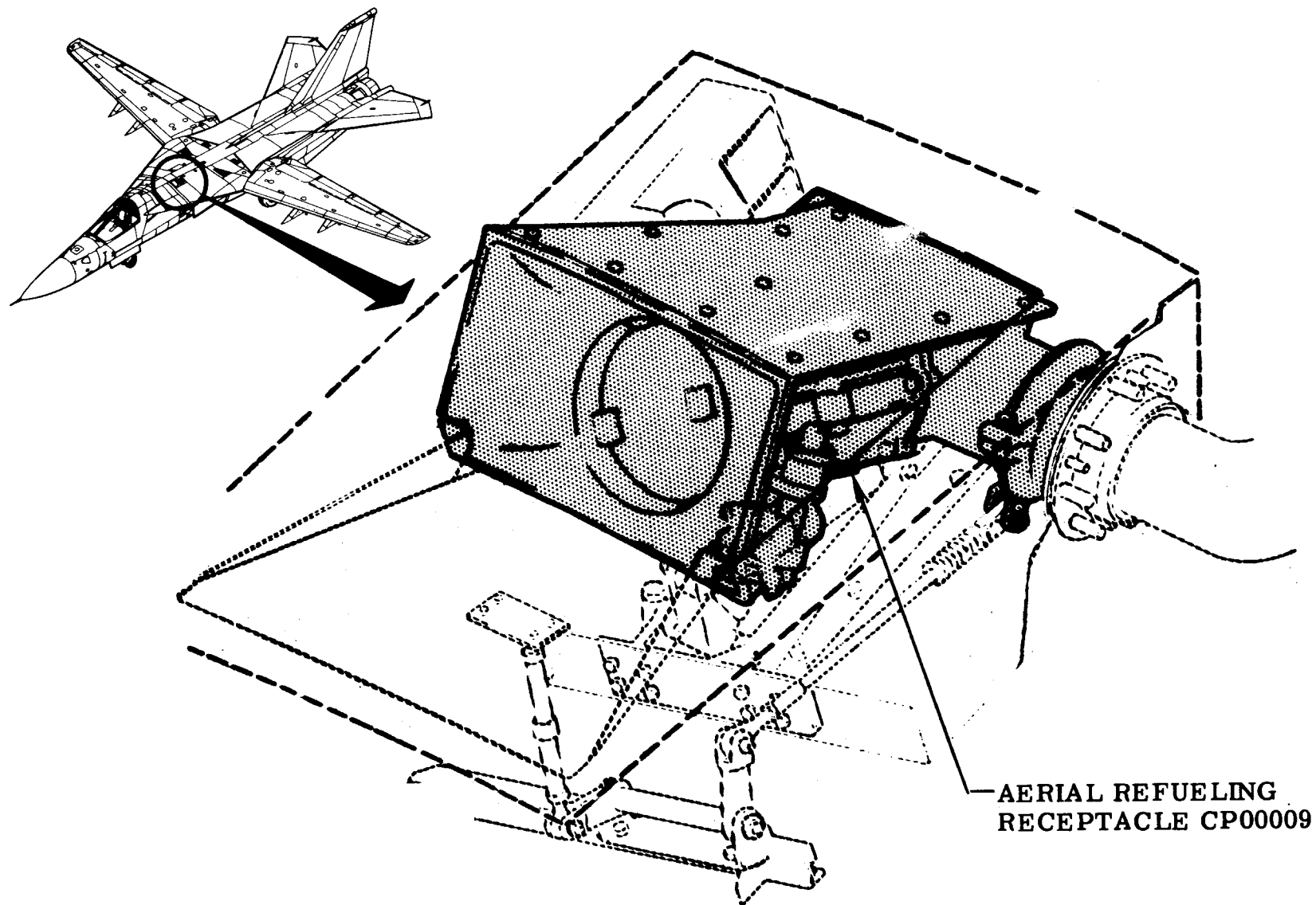


Figure 4-184 AERIAL REFUELING RECEPTACLE

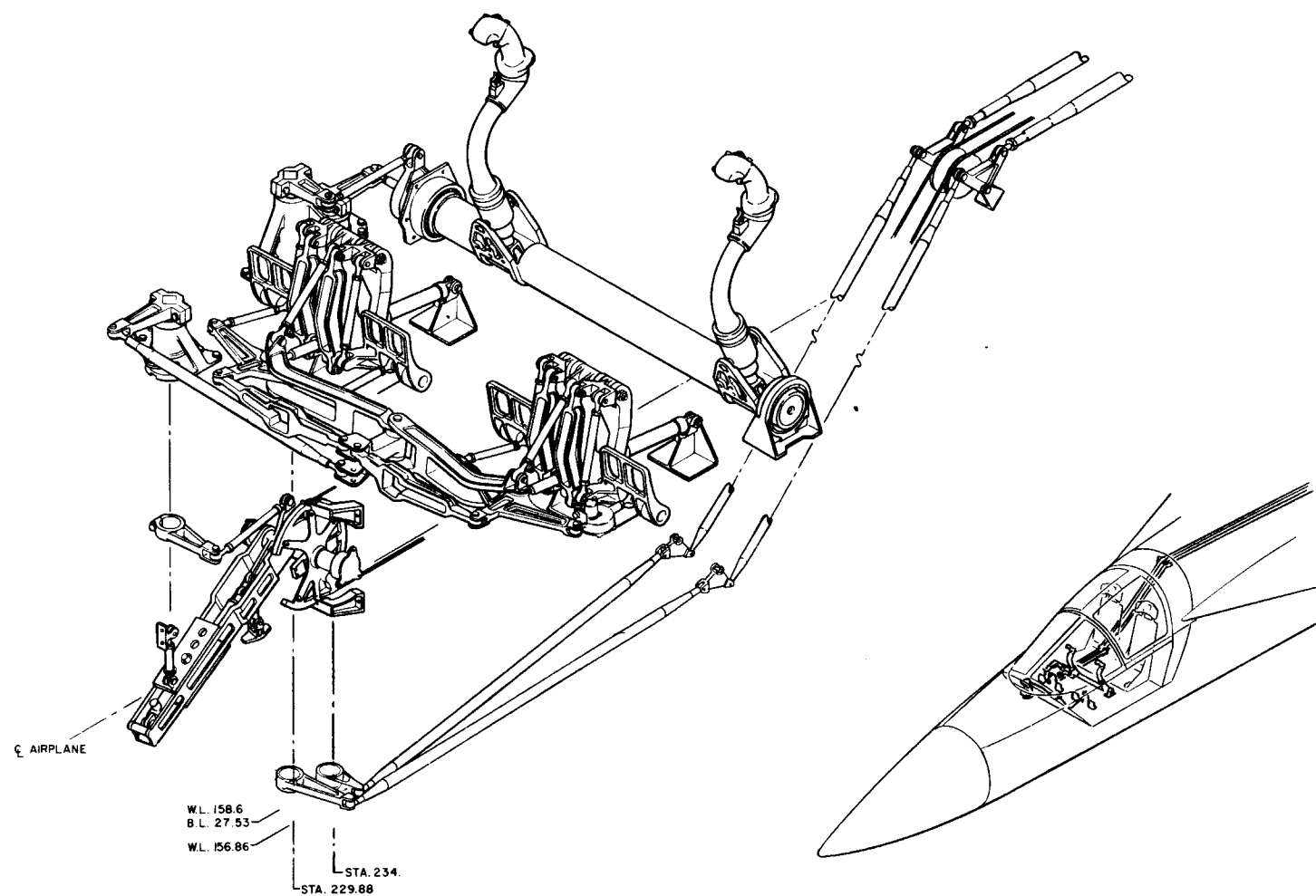


Figure 4-185 FLIGHT CONTROLS - CREW COMPARTMENT

4-188

ST-947

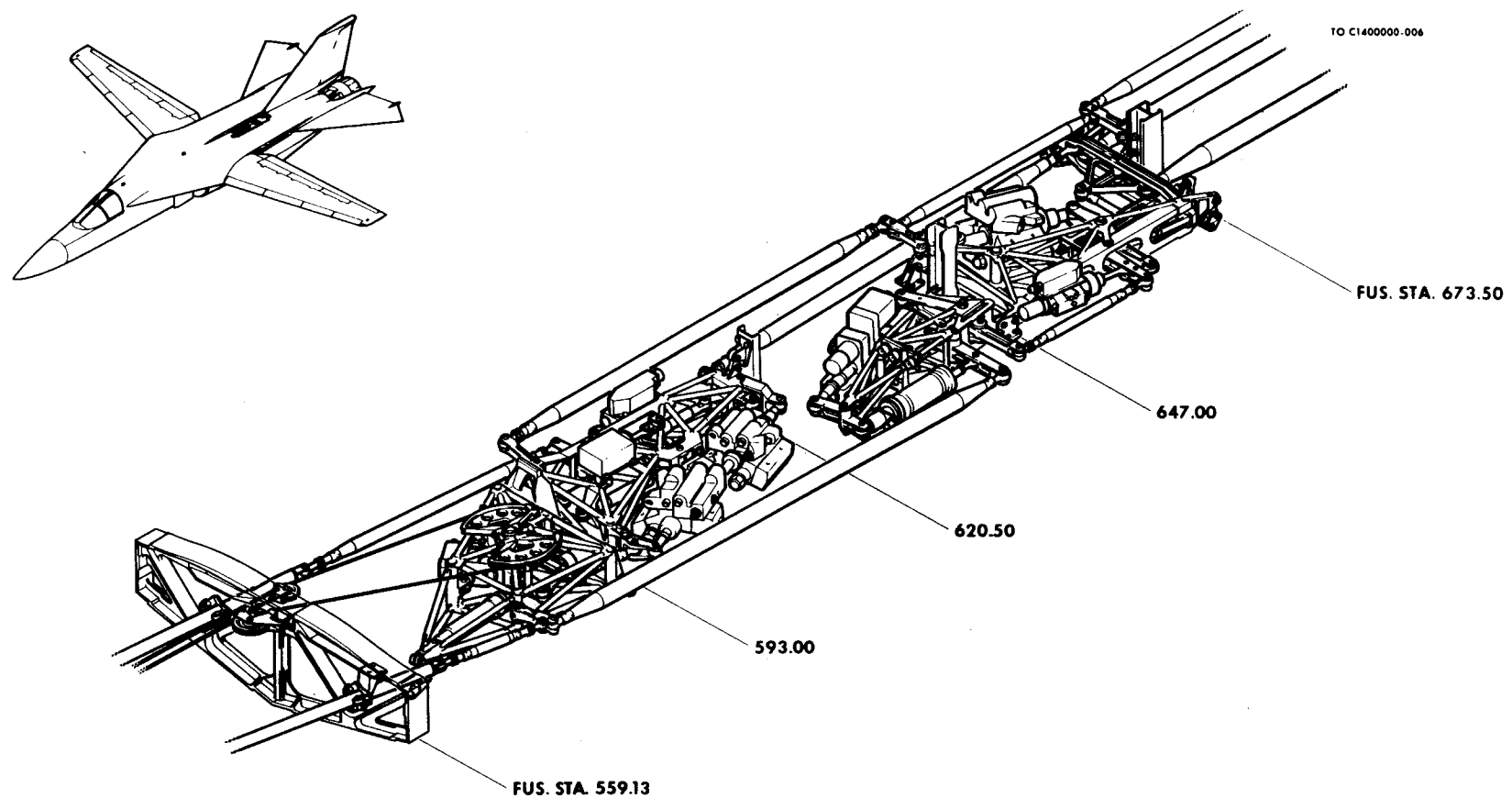


Figure 4-186 PRIMARY FLIGHT CONTROLS - UPPER SHELF

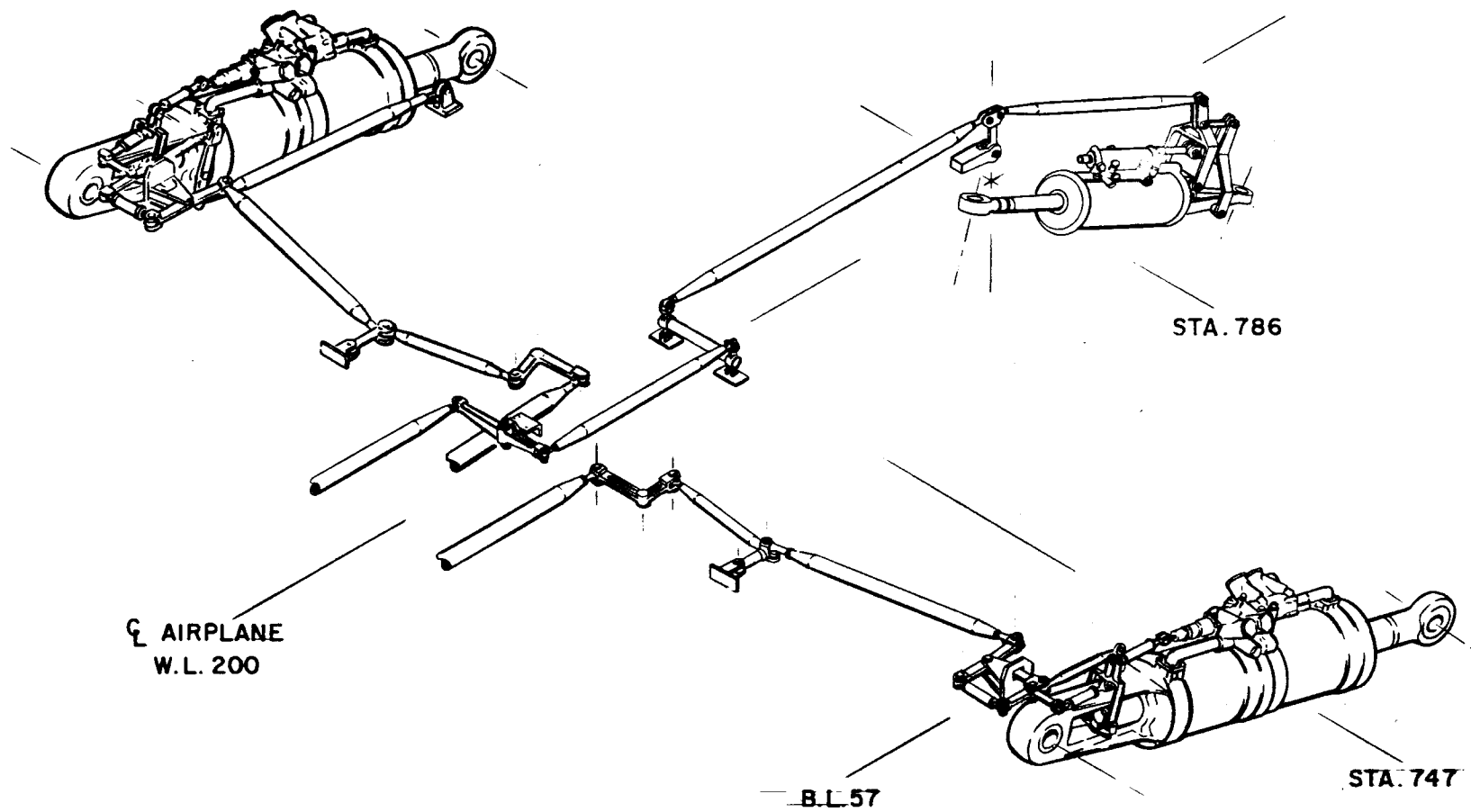


Figure 4-187 PRIMARY FLIGHT CONTROL SYSTEM
HORIZ. STAB. AND RUDDER