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

PREPARED BY: Floy J. Frazier
Design Draftsman

CHECKED BY: L A Haynes
Design Group Engineer

APPROVED BY: E. R. Ellensworth
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

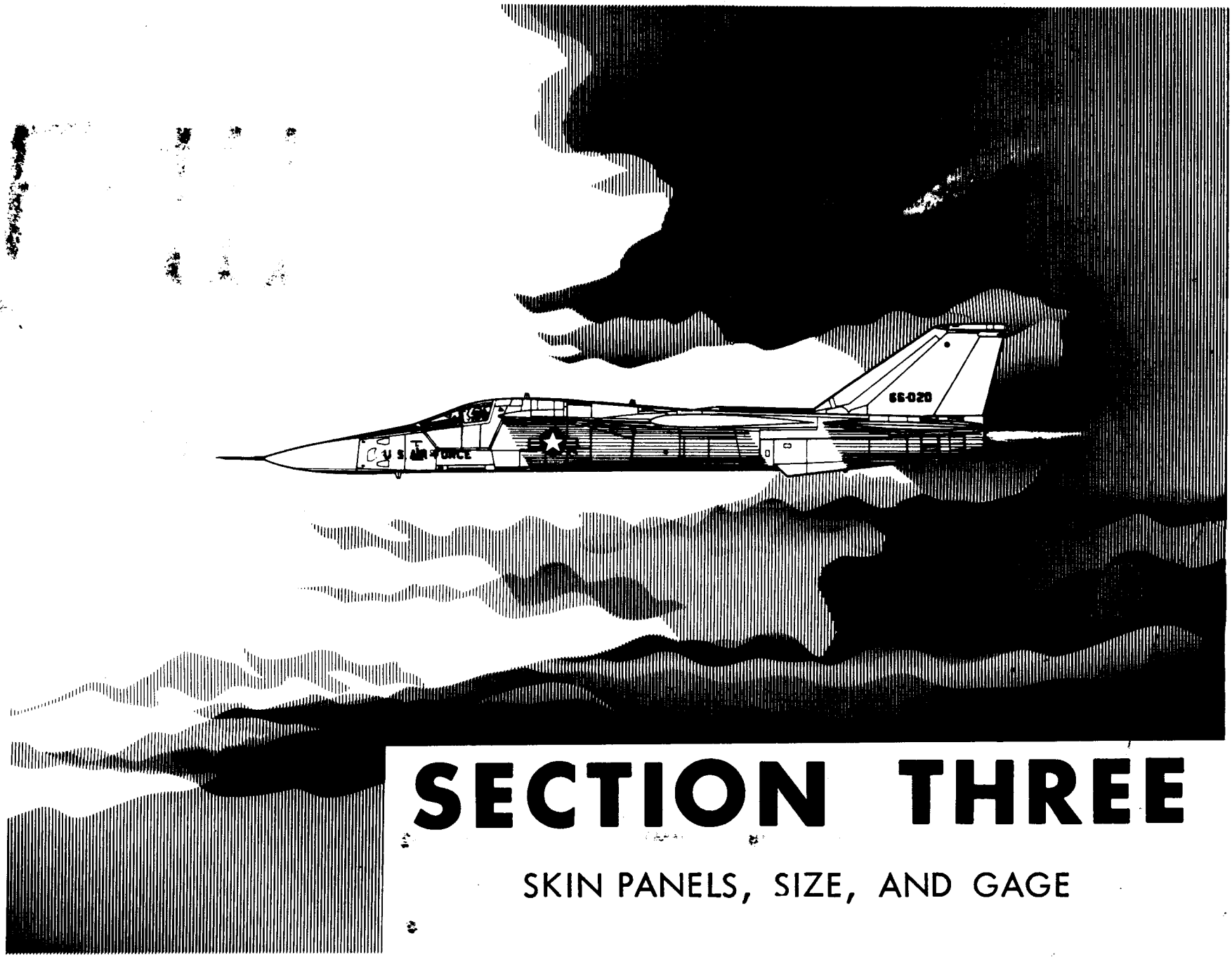
SECTION I - GENERAL ARRANGEMENT

SECTION II - STRUCTURE AND MATERIALS DETAIL DESCRIPTION

VOLUME II

SECTION III - SKIN PANELS, SIZE, AND GAGE DESCRIPTION

SECTION IV - PRODUCTION ASSEMBLY DESCRIPTION



SECTION THREE

SKIN PANELS, SIZE, AND GAGE

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.

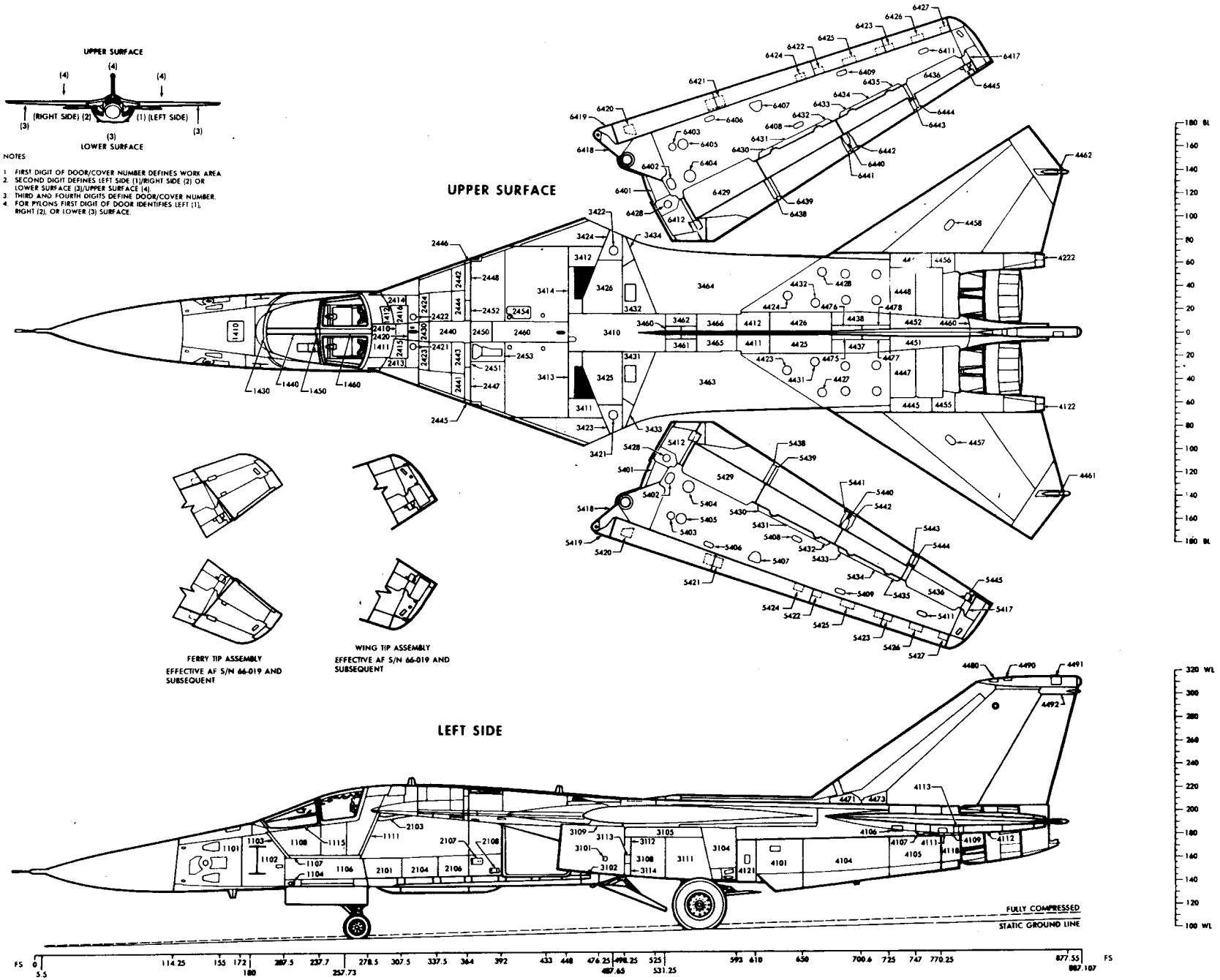


Figure 3-1 F-111A ACCESS DOOR/COVER IDENTIFICATION AND LOCATION

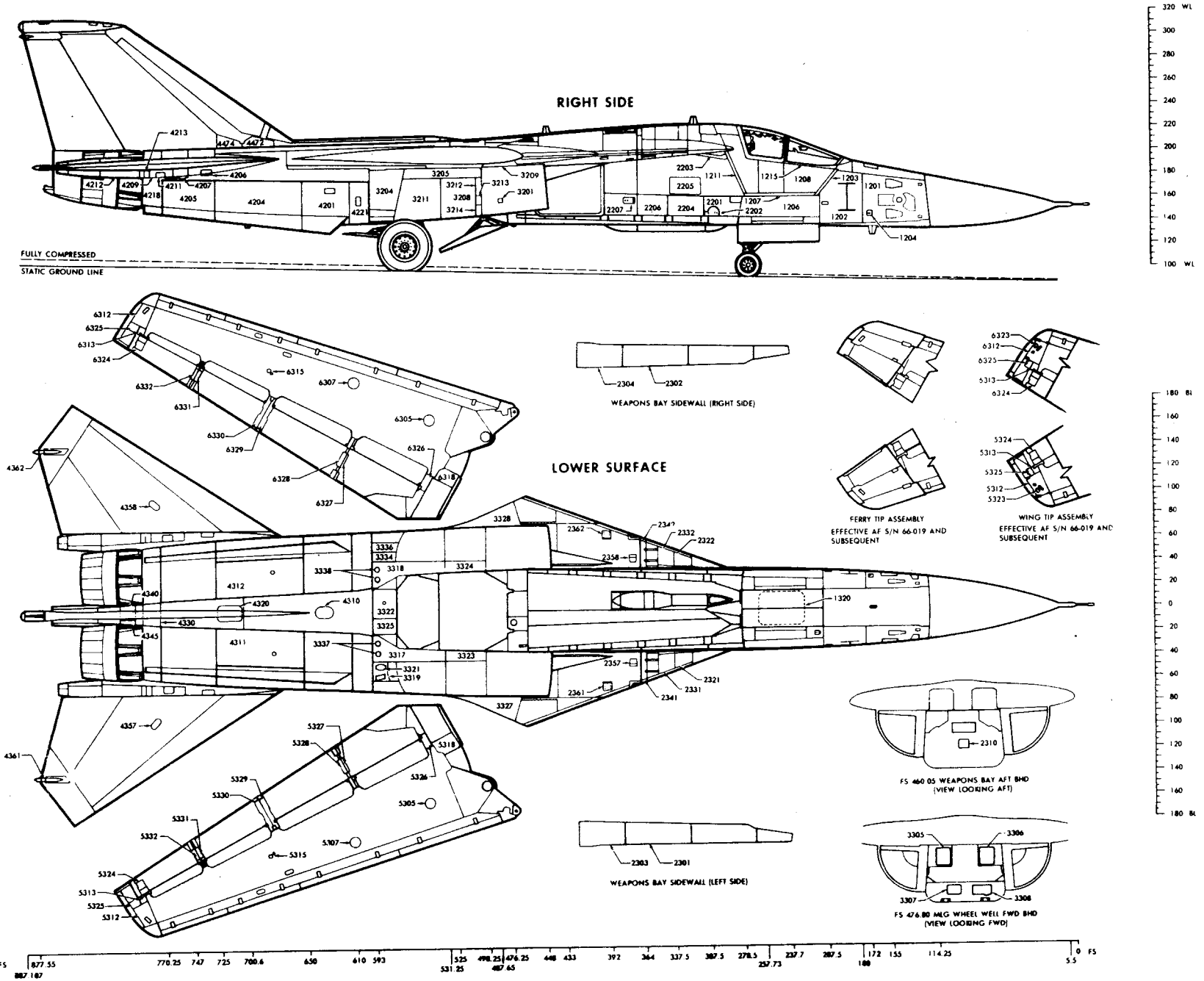


Figure 3-2 F-111A ACCESS DOOR/COVER IDENTIFICATION AND LOCATION

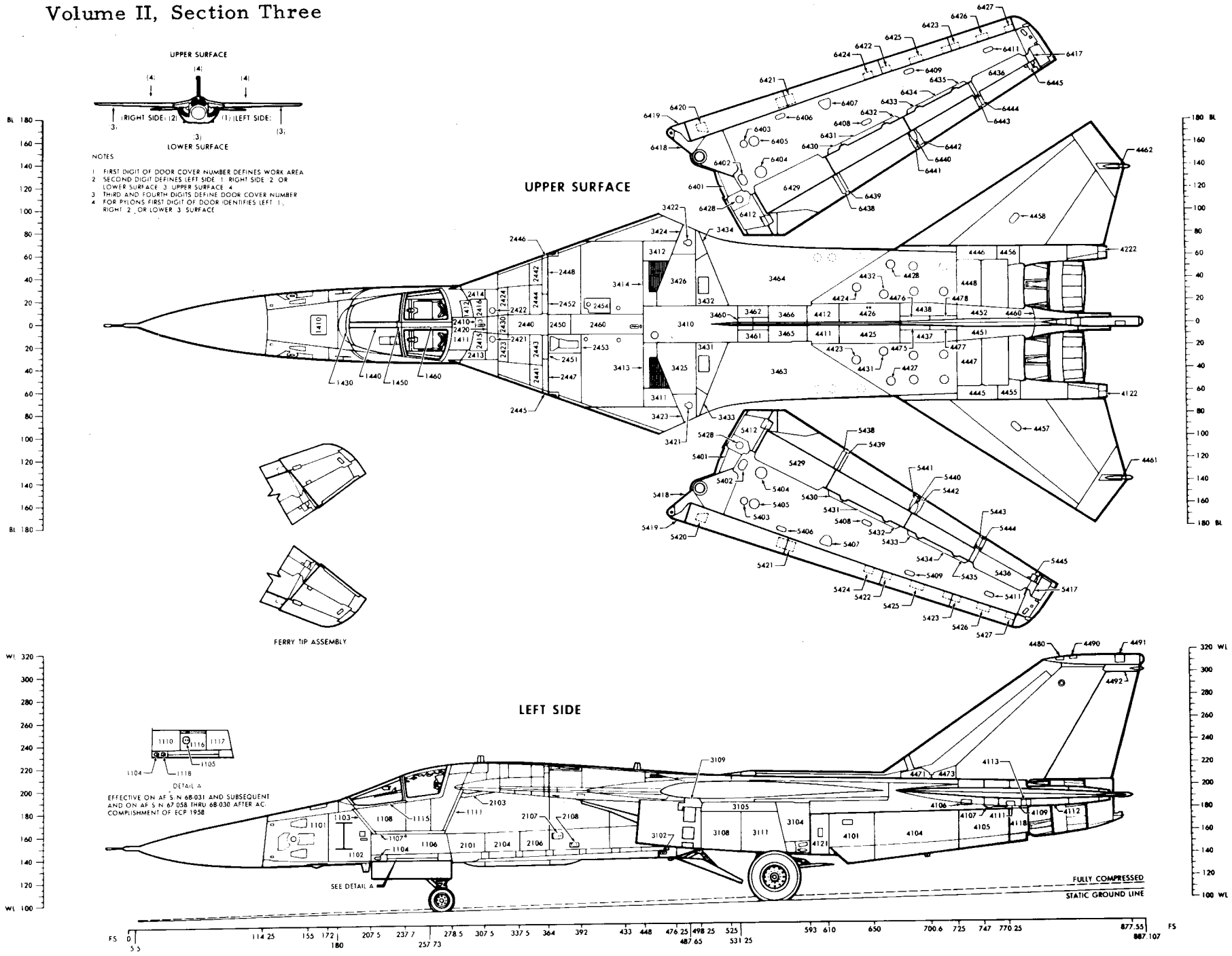


Figure 3-2A F-111E ACCESS DOOR/COVER IDENTIFICATION AND LOCATION

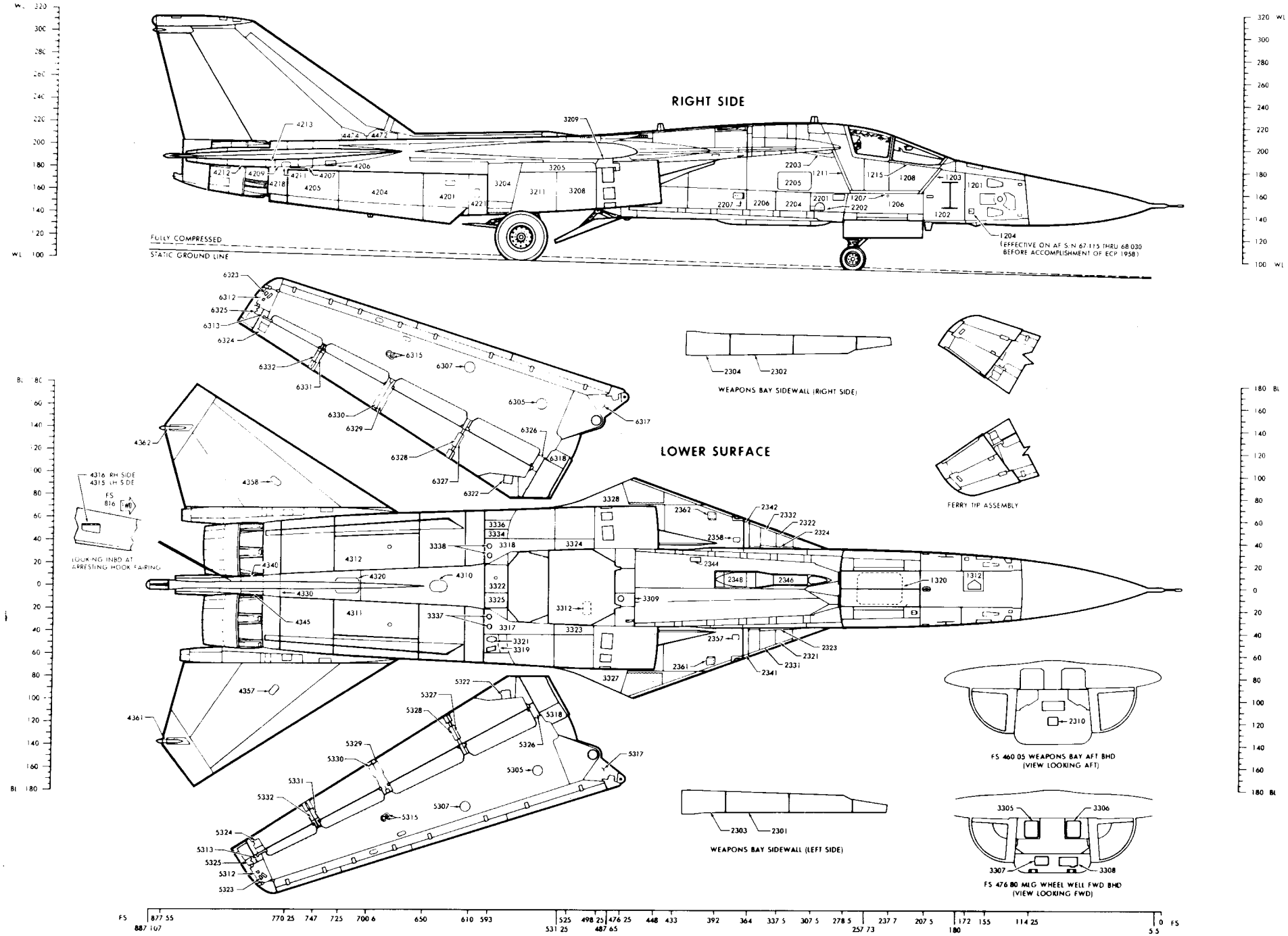


Figure 3-2B F-111E ACCESS DOOR/COVER IDENTIFICATION AND LOCATION

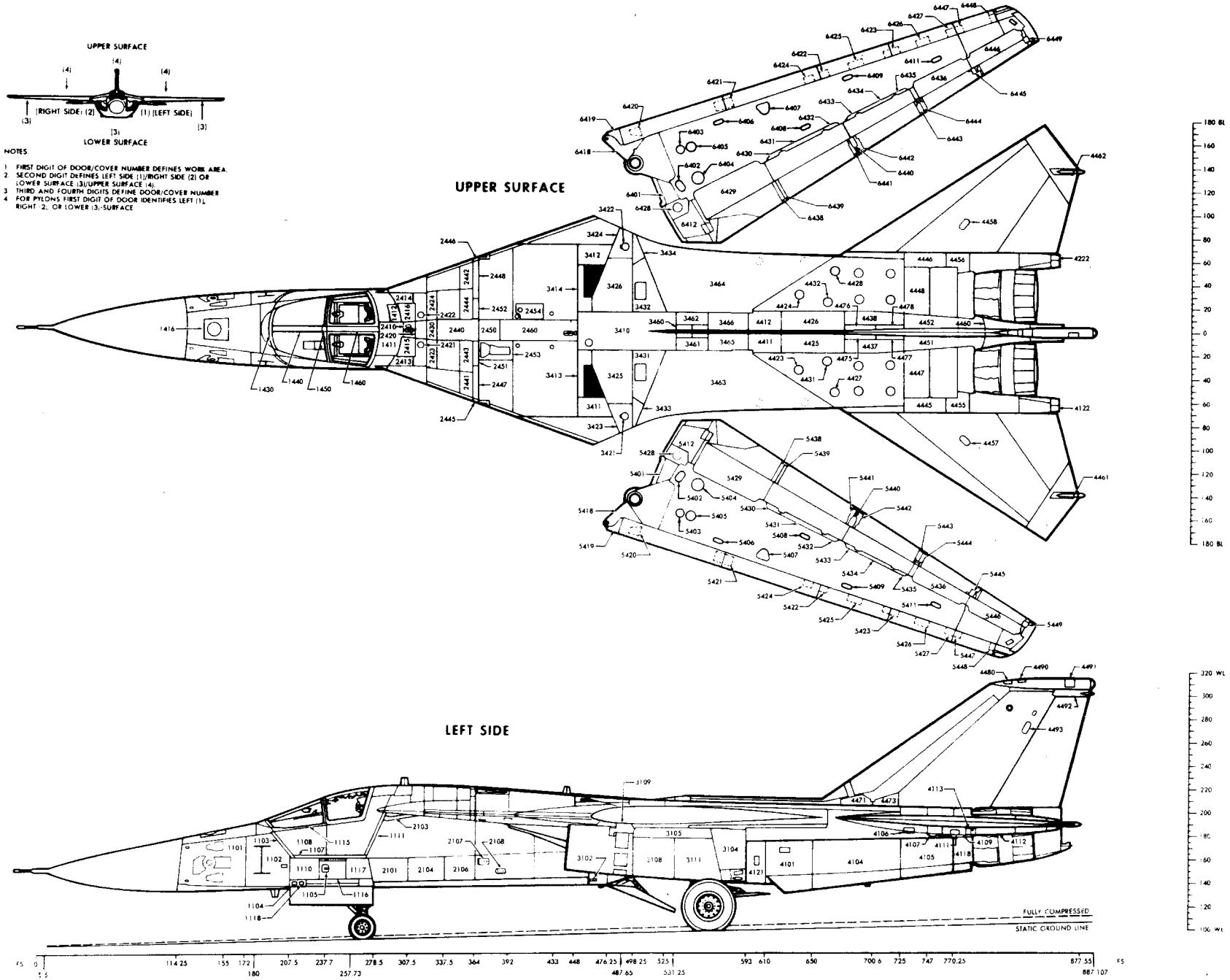


Figure 3-3 FB-111 ACCESS DOOR/COVER IDENTIFICATION AND LOCATION

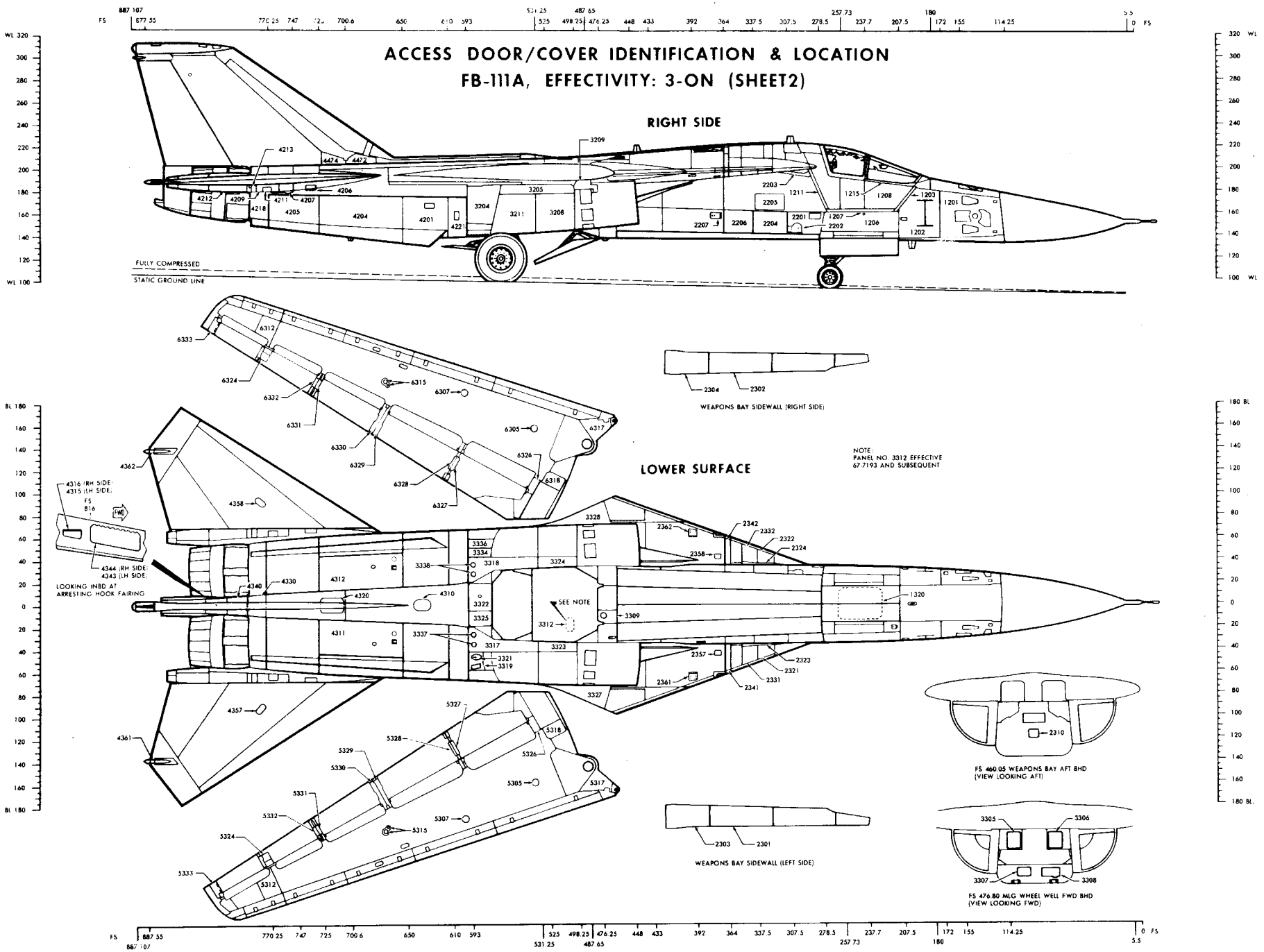
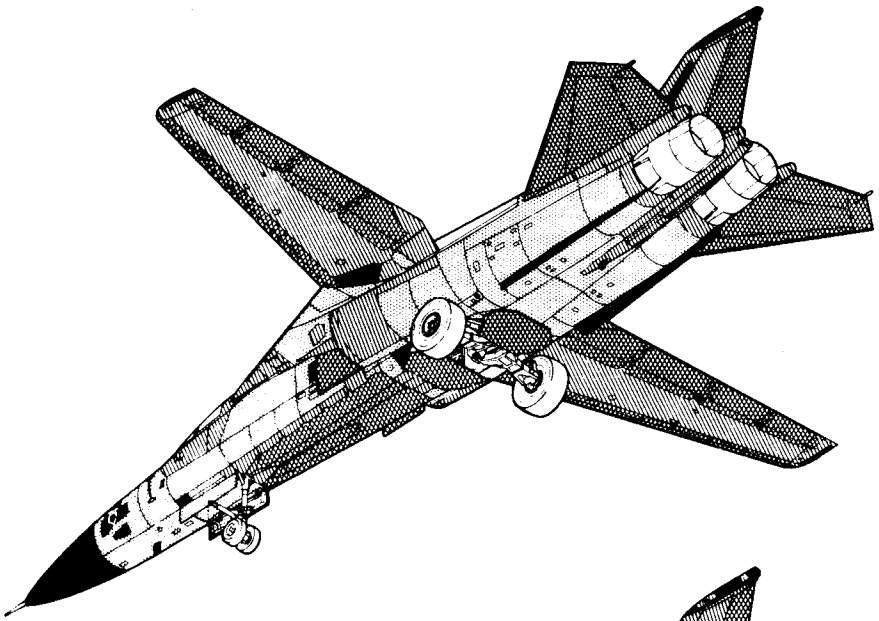
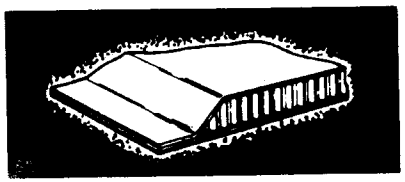


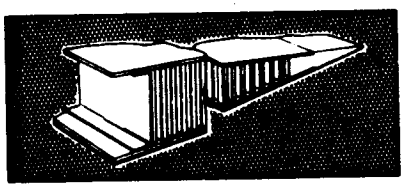
Figure 3-4 FB-111 ACCESS DOOR/COVER IDENTIFICATION AND LOCATION

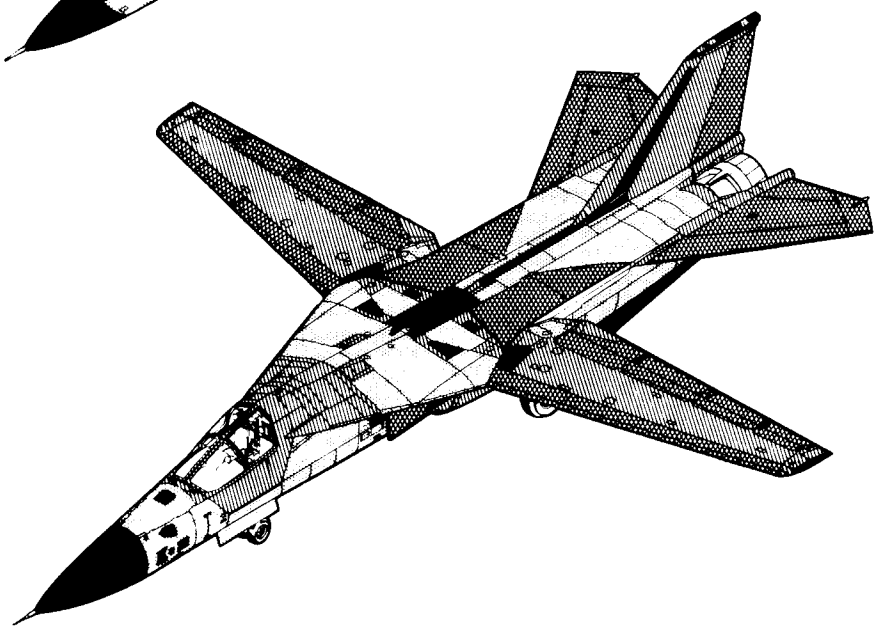


FIBERGLAS

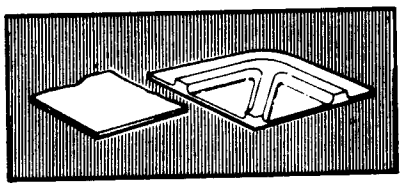


ALUMINUM
FULL DEPTH
HONEYCOMB CORE





ALUMINUM
PLAIN AND SCULPTURED
SKIN



ALUMINUM
BONDED SANDWICH

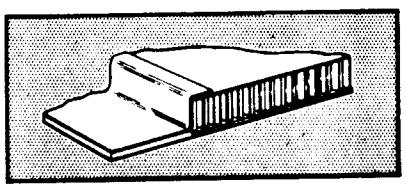
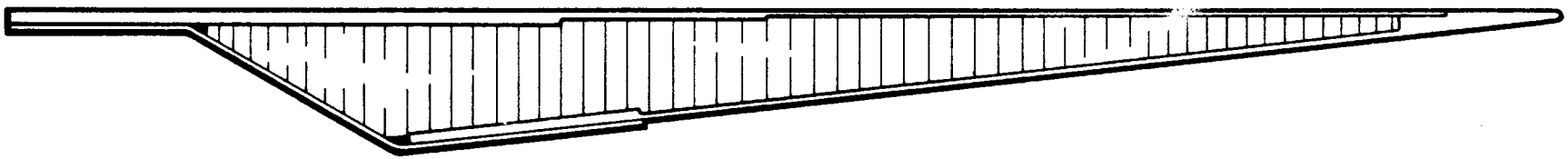


Figure 3-5 PANEL STRUCTURAL APPLICATION

ST-274-4



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

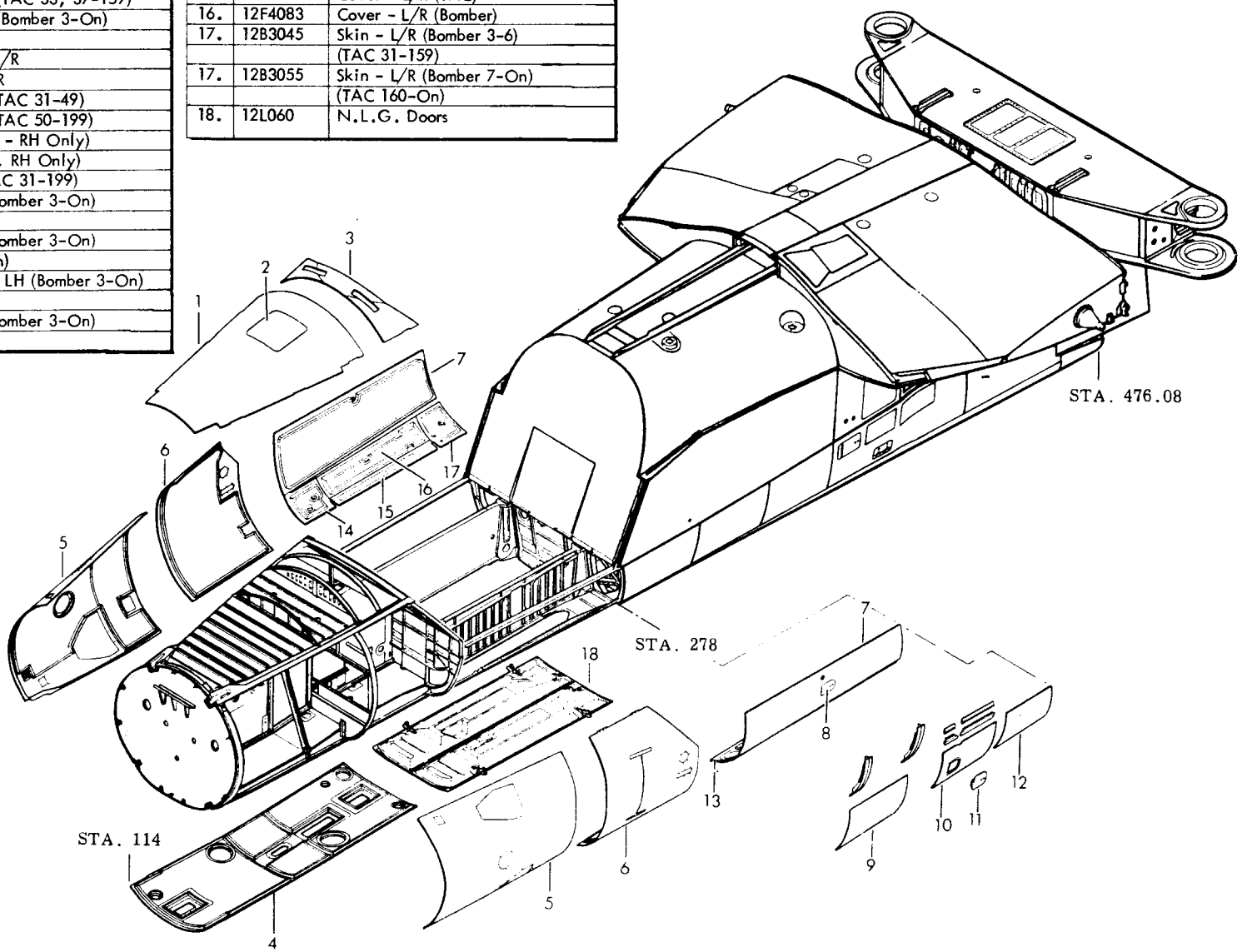


Figure 3-7 FORWARD FUSELAGE SKIN PANEL DETAIL - FS 114 - 278

ST-652-148

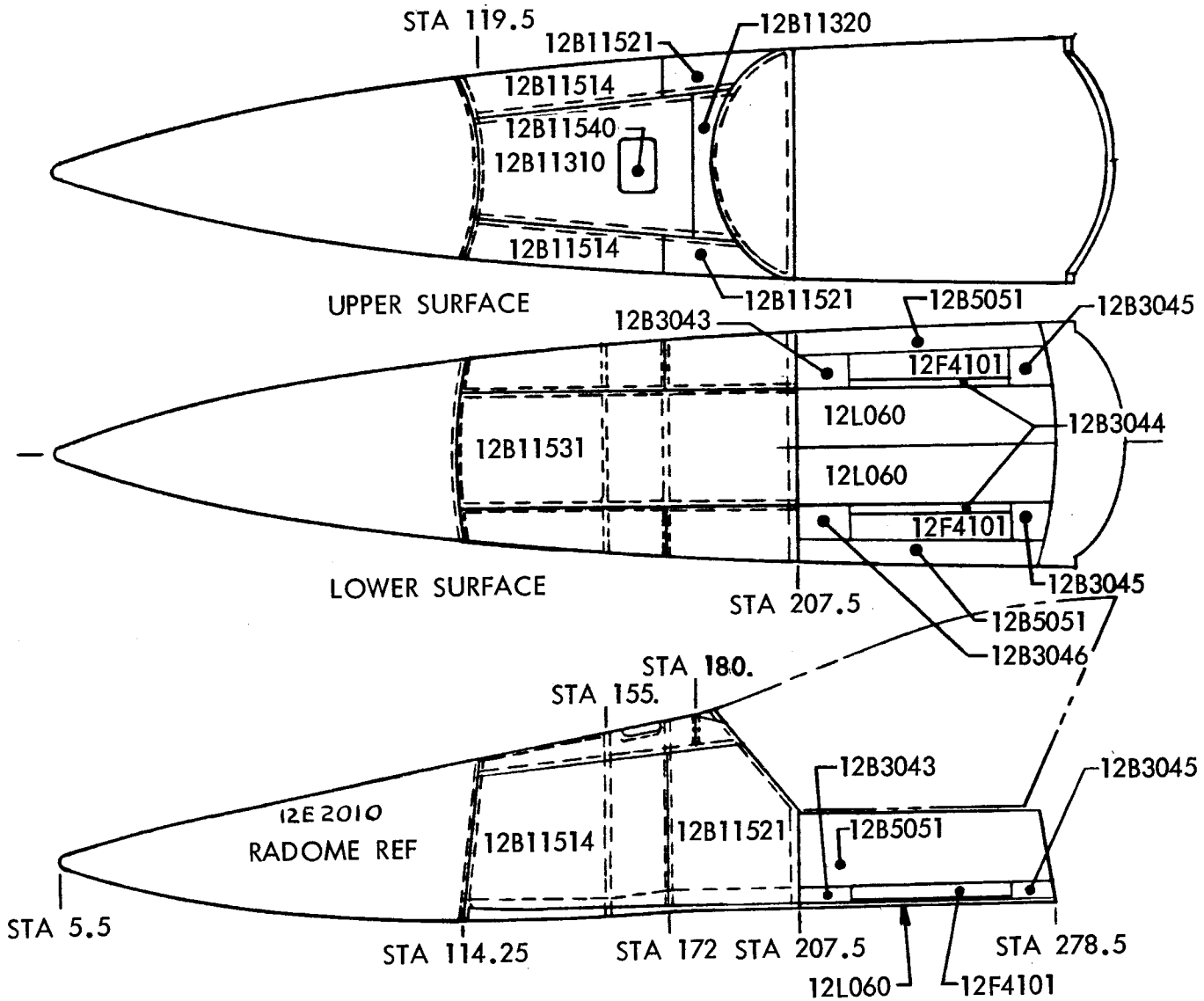


Figure 3-8 F-111A FORWARD ELECTRONICS BAY WITH RADOME

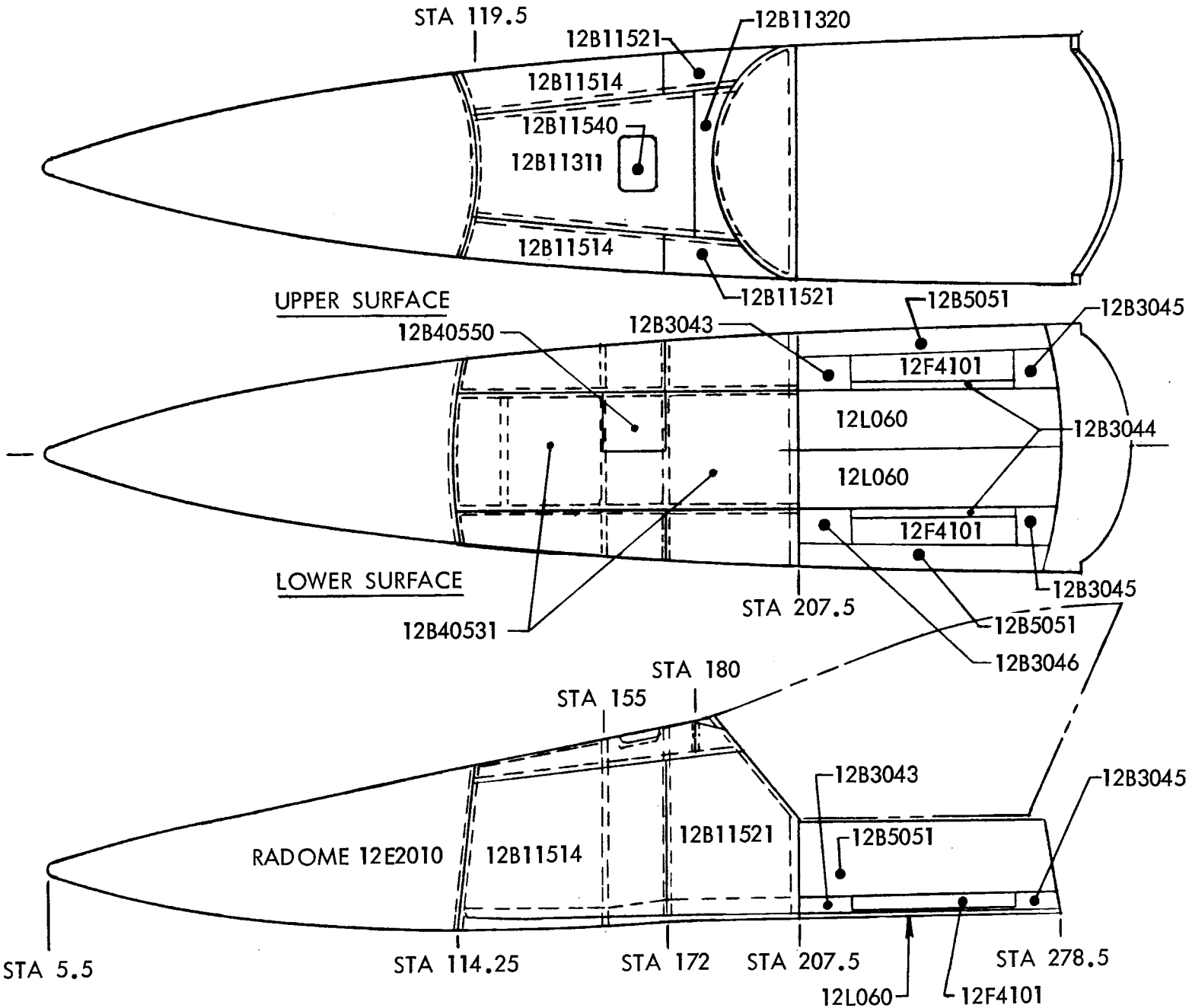


Figure 3-8A F-111E FORWARD ELECTRONICS BAY WITH RADOME

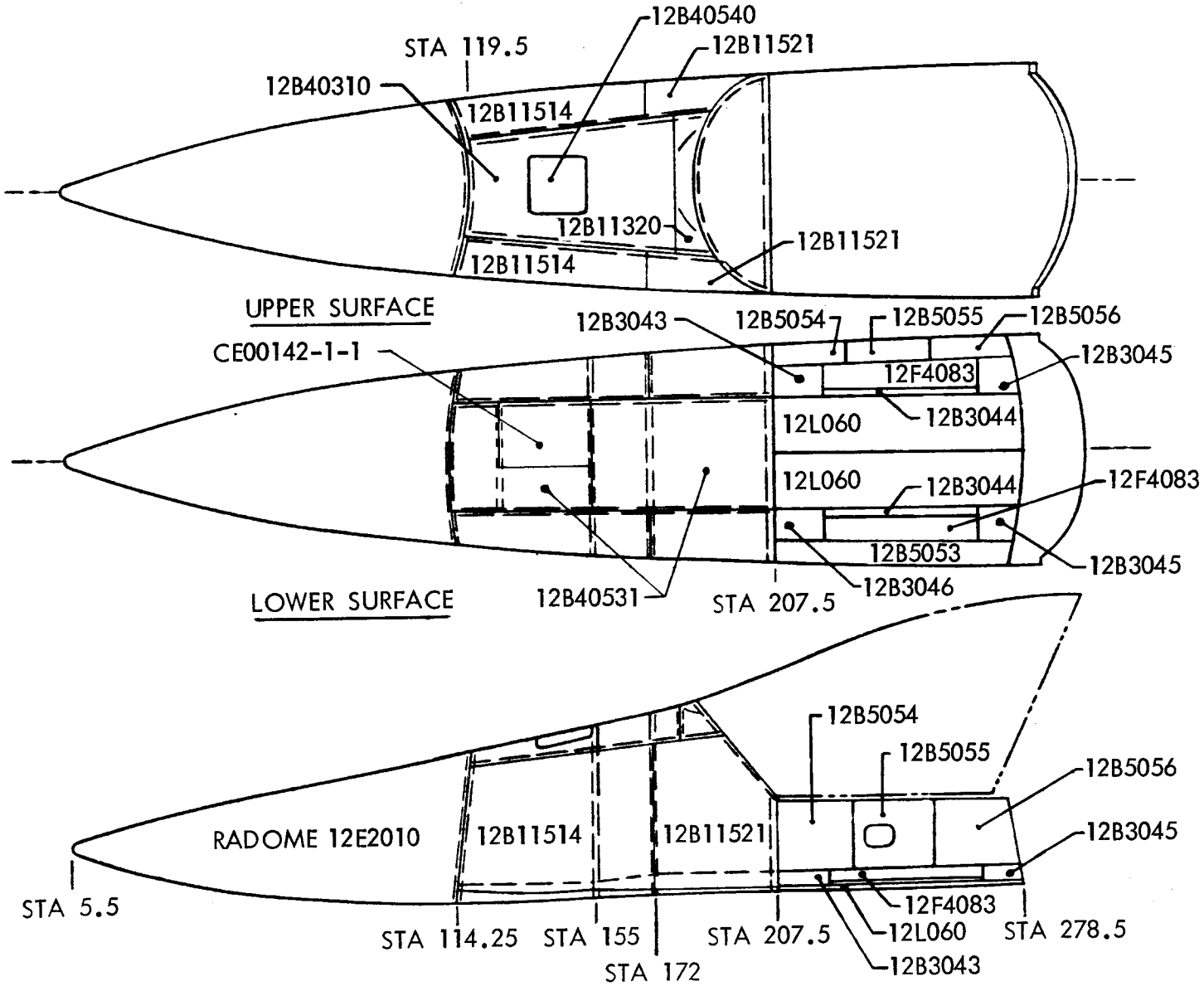
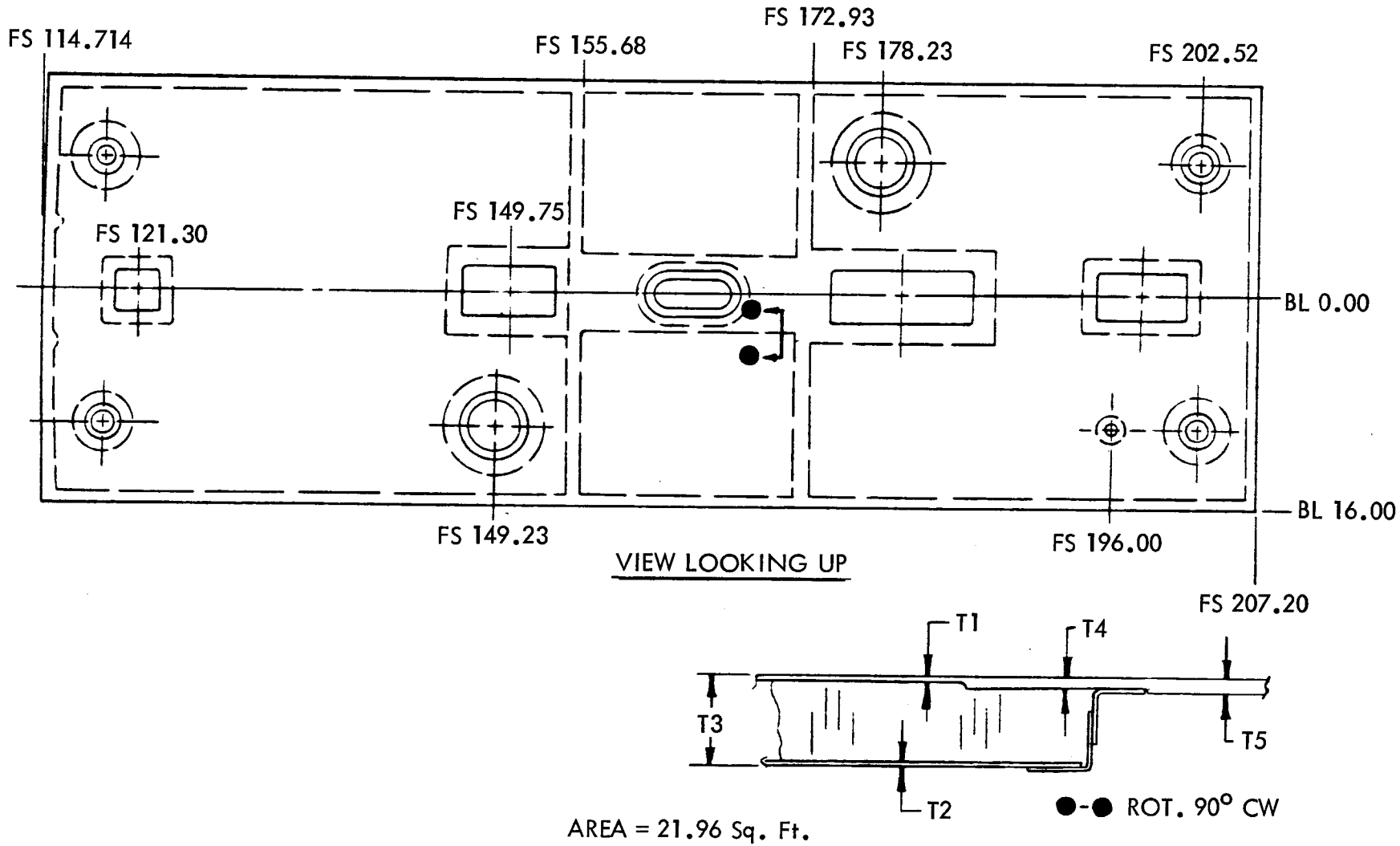
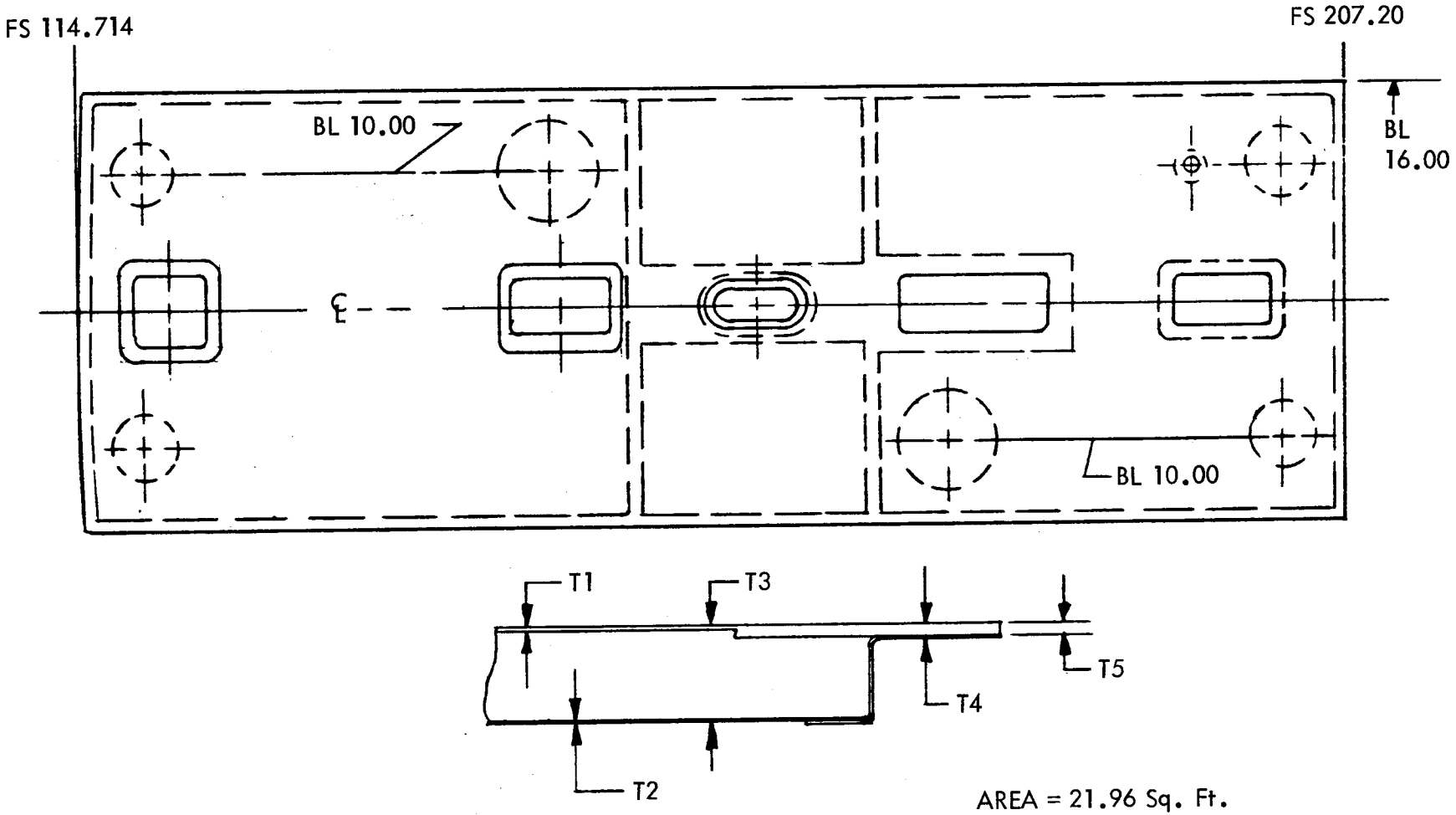


Figure 3-9 FB-111 FORWARD ELECTRONICS BAY WITH RADOME



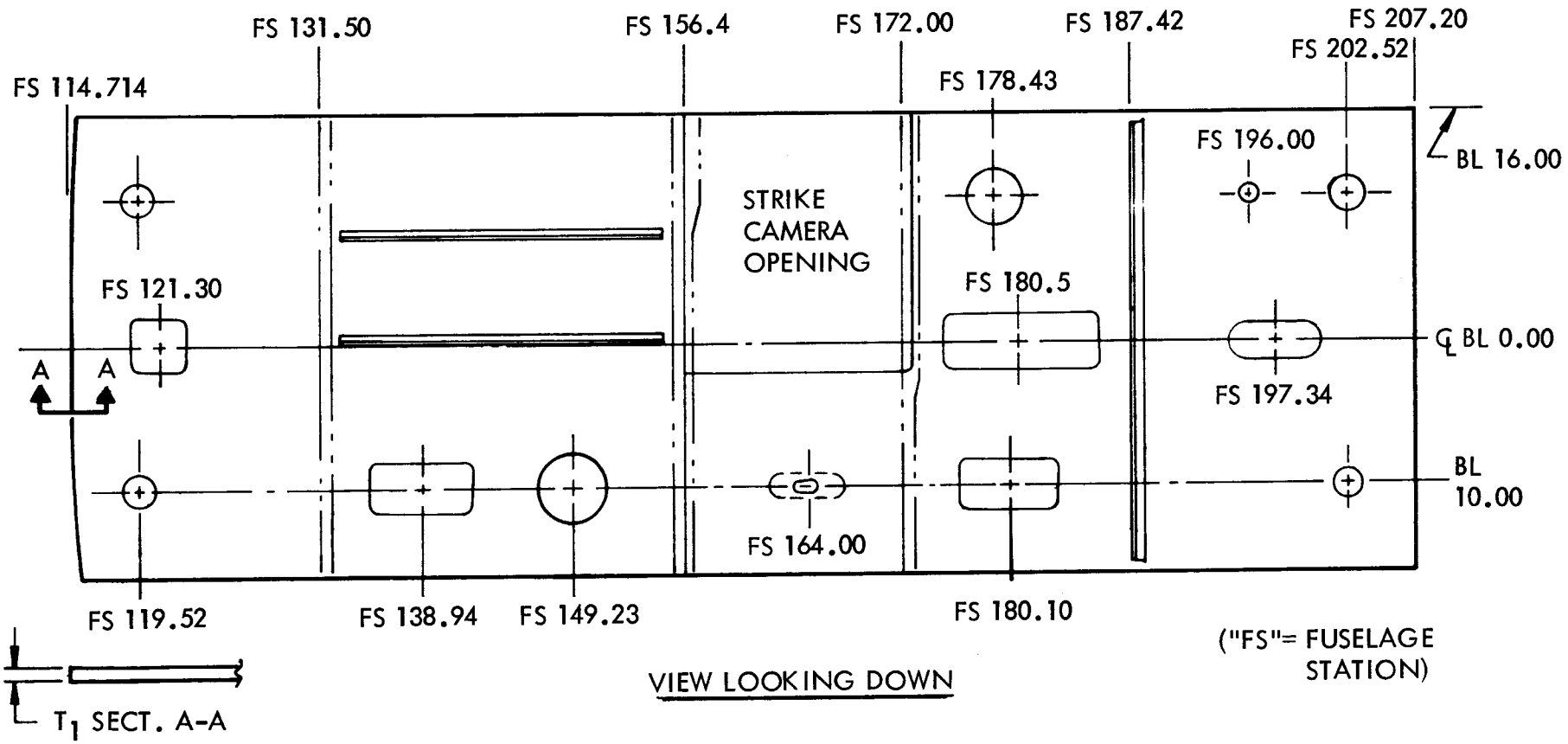
NAME	T1	T2	T3	T4	T5	MATERIAL	SPEC	FINISH
OUTER SKIN	.016			.062	.078	2024-T81	FMS 1053 TYPE I	A028
INNER SKIN		.012				2024-T81	QQ-A-362 T81	A028
BONDED ASSY			1.00					

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



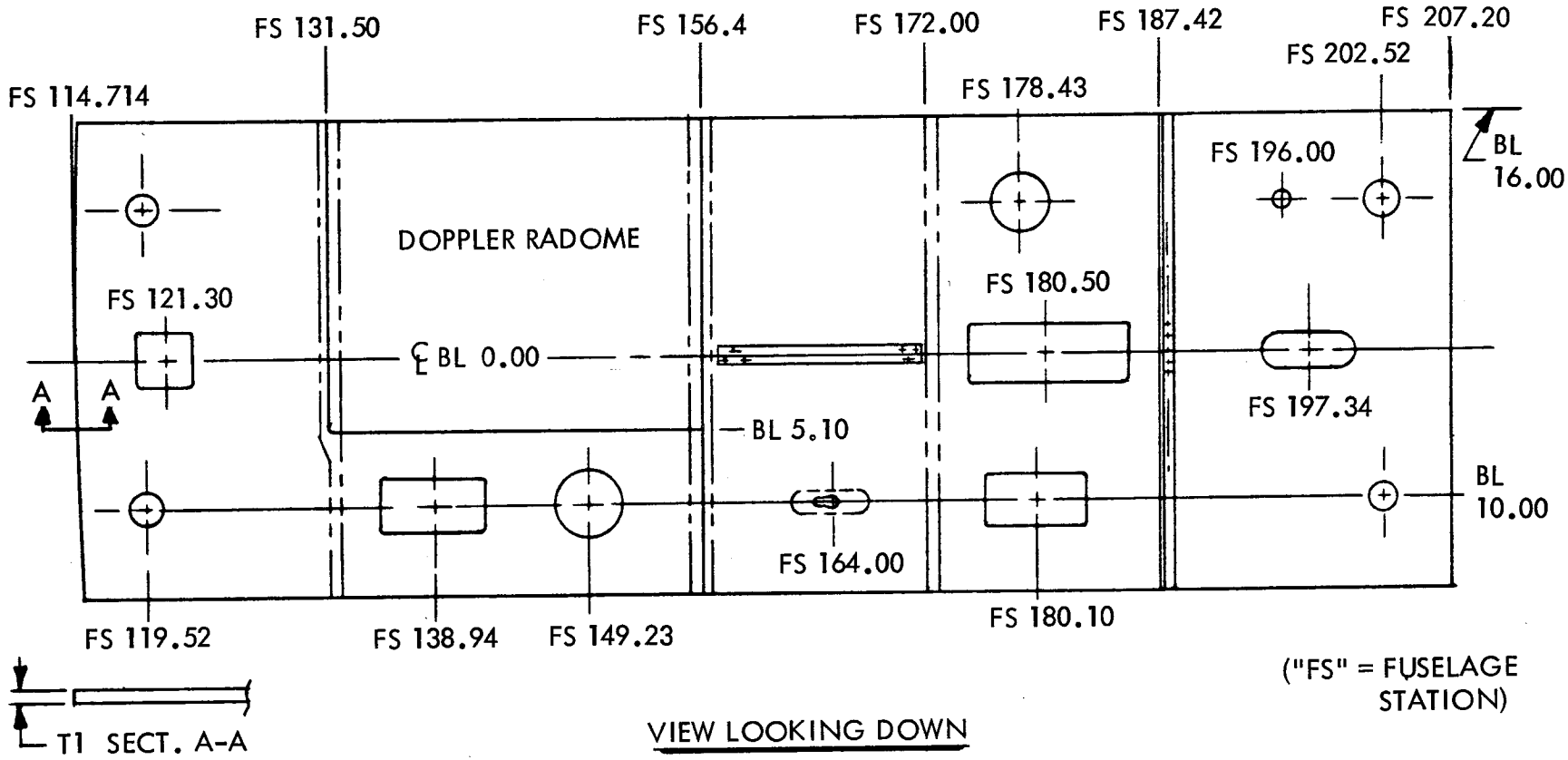
NAME	T1	T2	T3	T4	T5	MATERIAL	SPEC
OUTER SKIN	.016			.080	.078	2024-T81	FMS 1053 TYPE 2
INNER SKIN		.012				2024-T81	QQ-A-362-T81
BONDED ASSY			1.002				

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



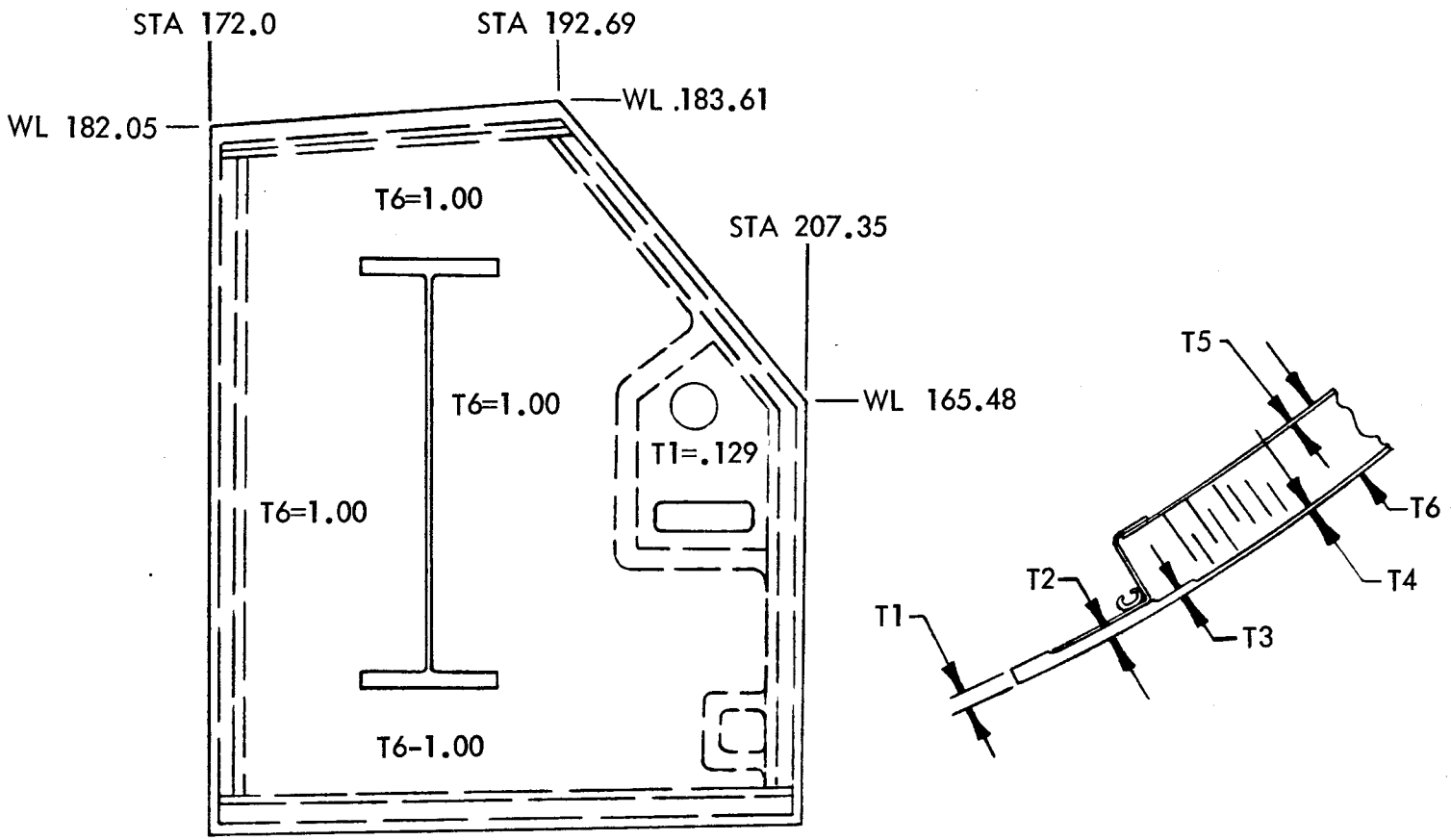
NAME	T_1	MATERIAL	SPEC.	FINISH
SKIN	.080	2024-T81	QQ-A-250/5T81	A003
DOUBLERS	.080	2024-T62	QQ-A-250/4-T62	A005

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

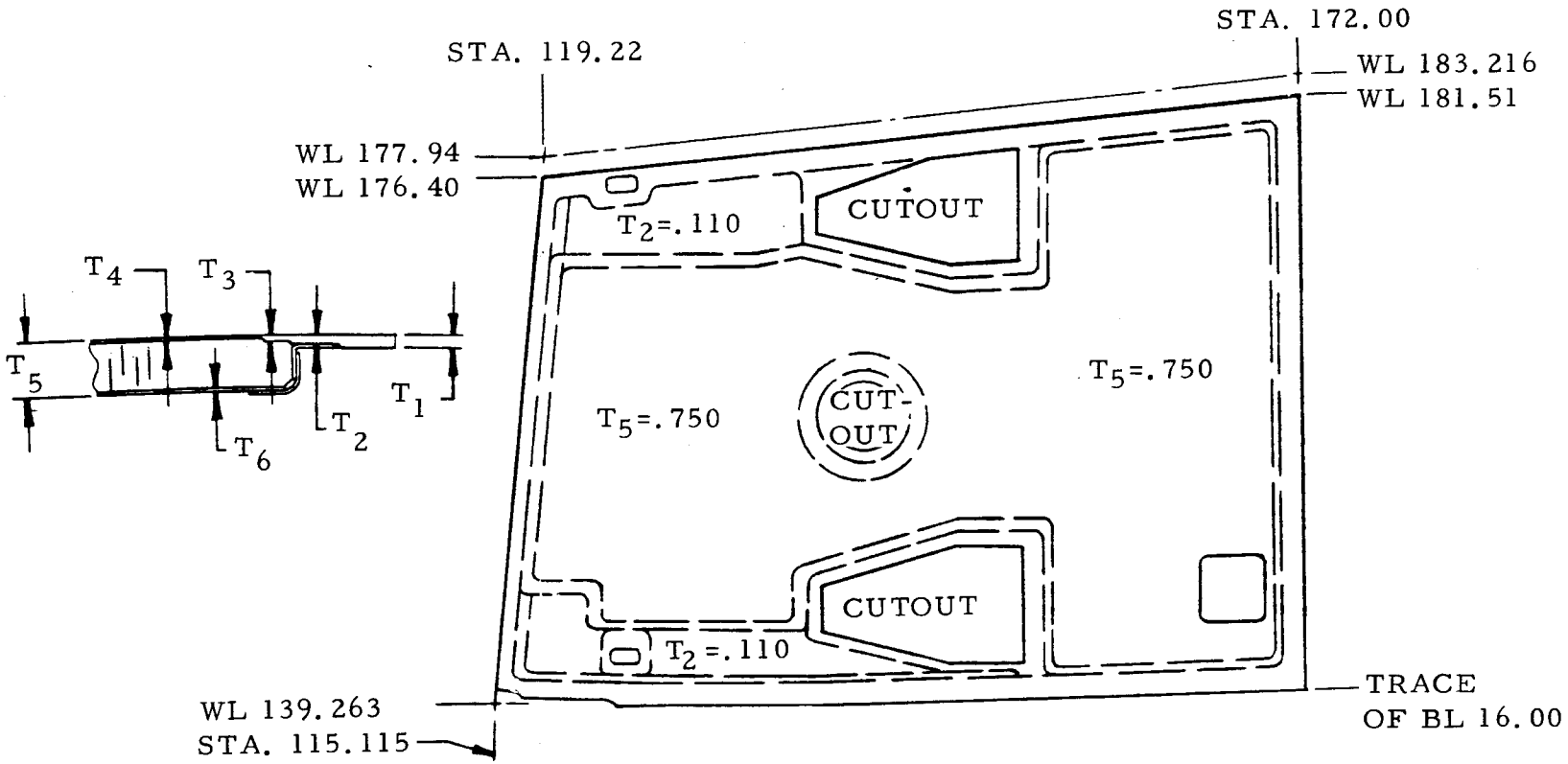


AREA = 11.63 SQ. FT.

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

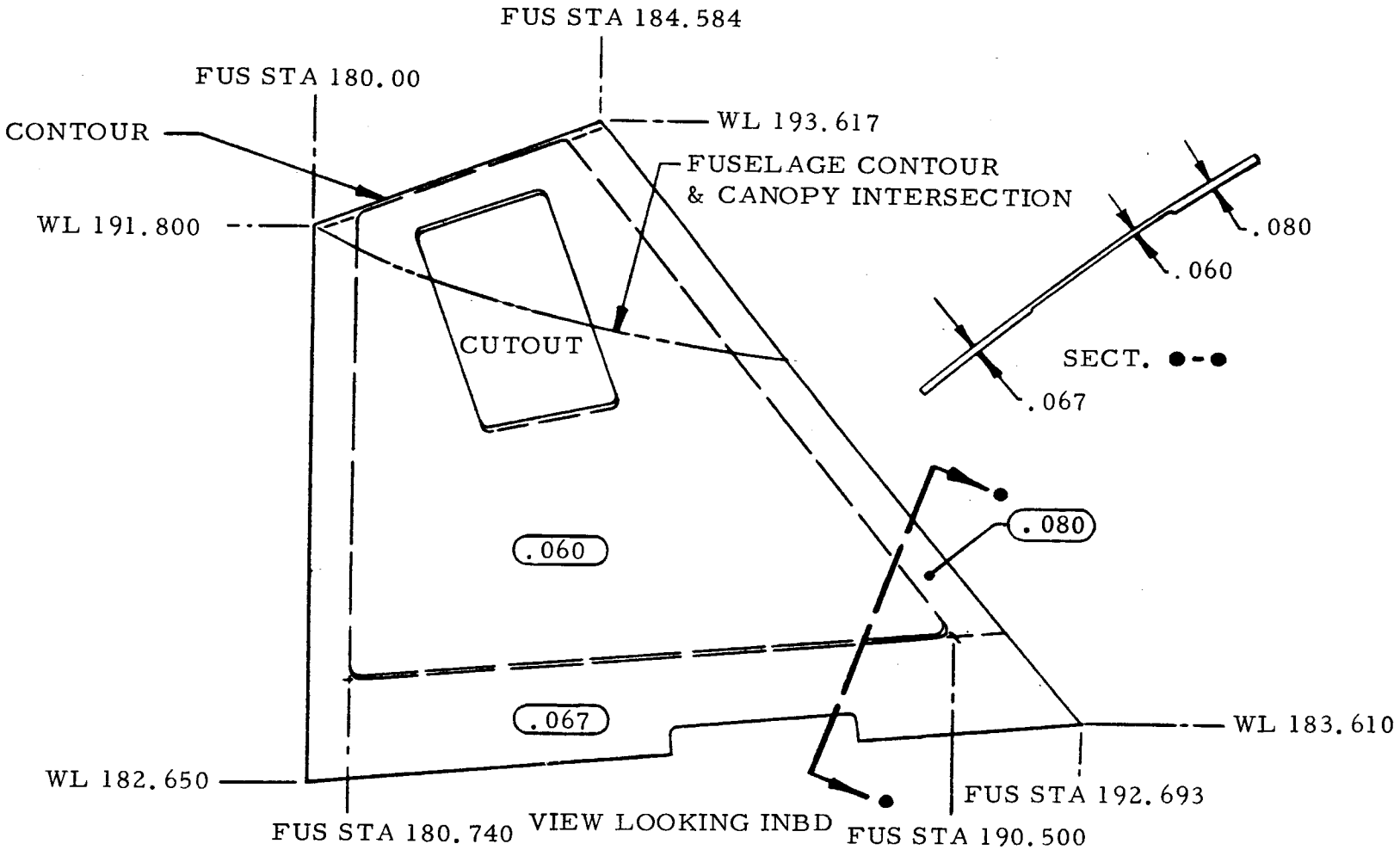


AREA=15.90 SQ. FT.

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		

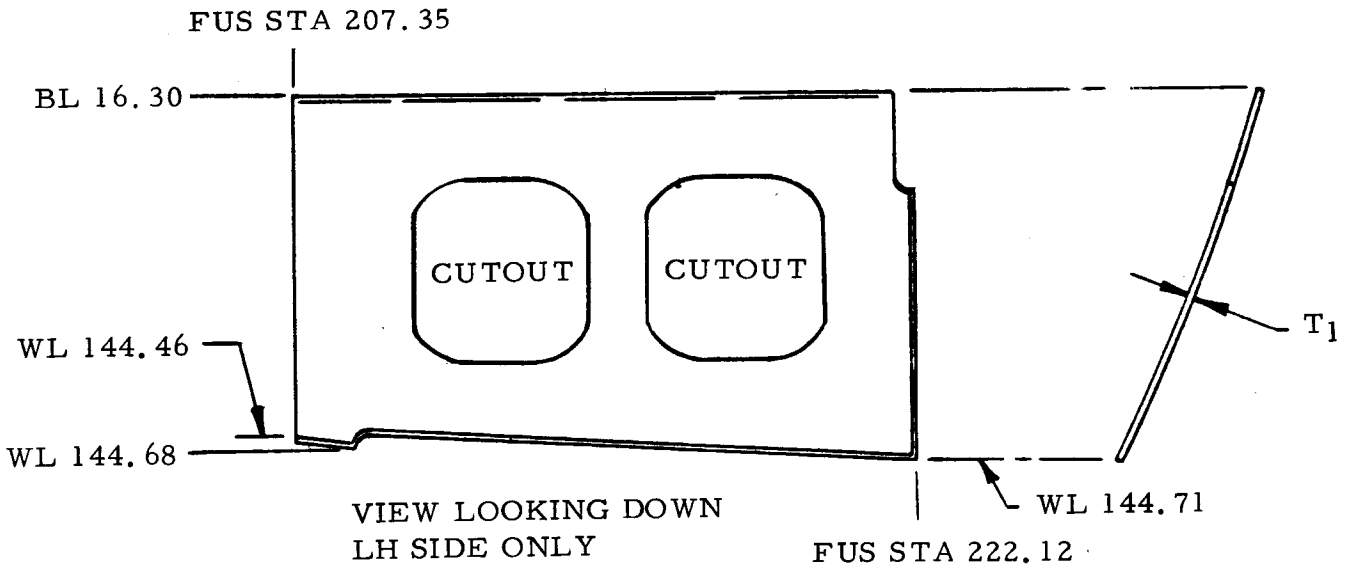
▲FMS-1053 TYPE 1 ◆CLAD QQ-A-250/5 T81

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



AREA=3.20 SQ. FT. MATERIAL: 2024-T6 FMS 0033 T6

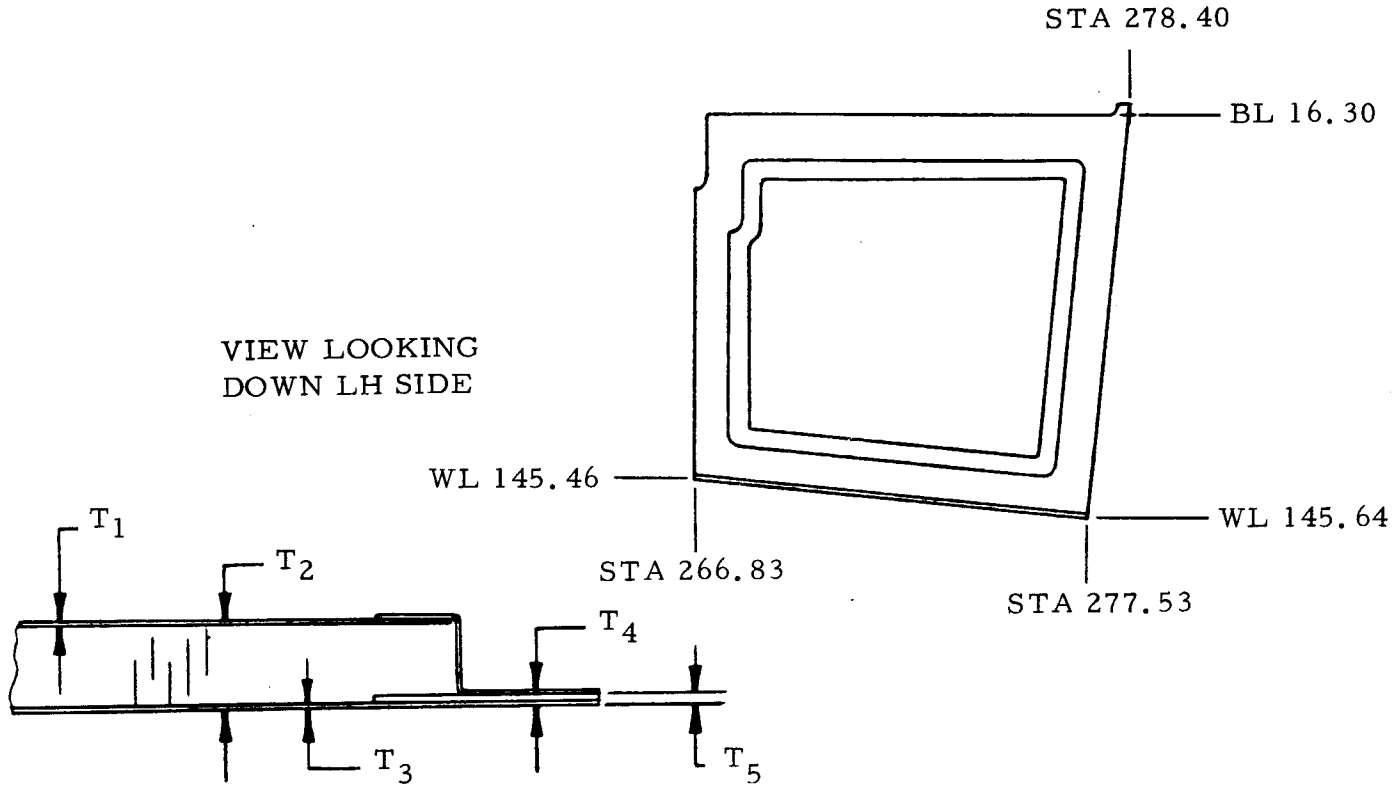
Figure 3-15 12B11320 SKIN - FUSELAGE STA. 180.00 TO WINDSHIELD, UPPER



AREA=1.04 SQ. FT.

NAME	T_1	MATERIAL
SKIN	.070-7 PLY MIN	GLASS FABRIC FMS - 1023

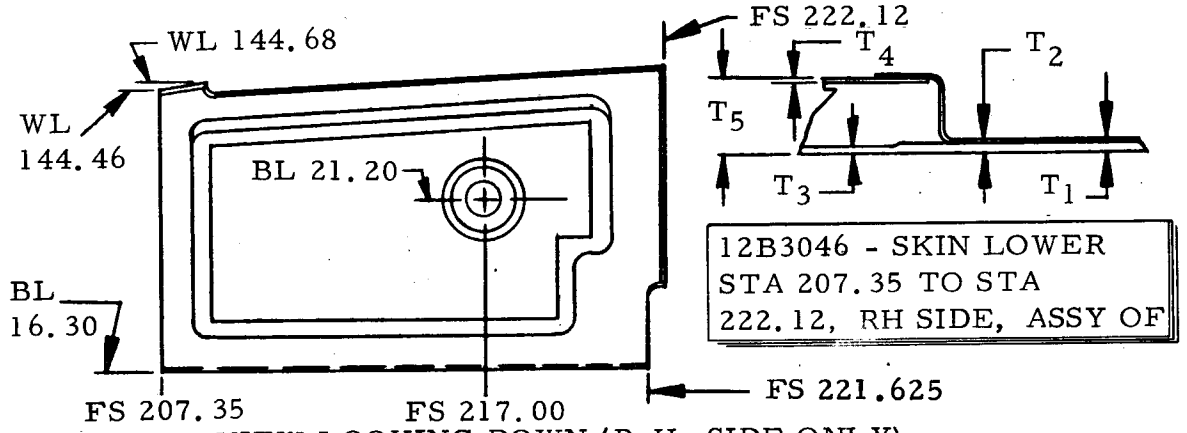
Figure 3-16 12B3043 SKIN - LOWER, STA. 207.35 TO STA. 222.12, LEFT HAND SIDE, ASSEMBLY OF



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

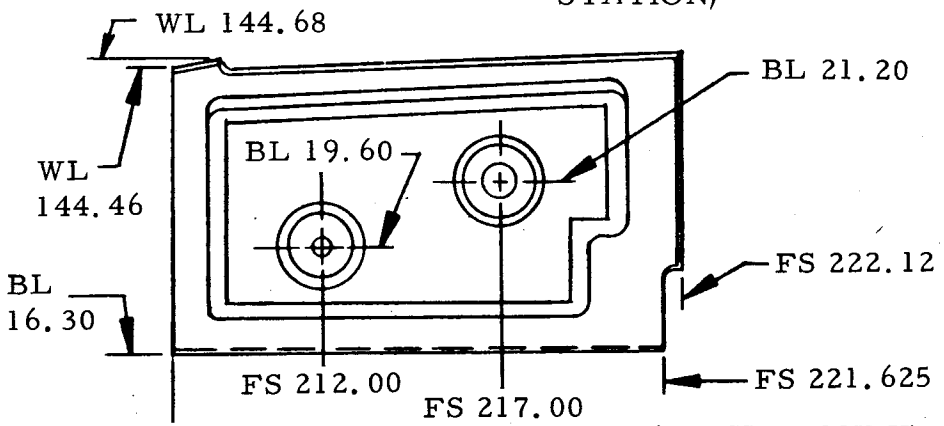


VIEW LOOKING DOWN (R.H. SIDE ONLY)

(FS=FUSELAGE STATION)

FB-111A

AREA=1.04 SQ. FT.

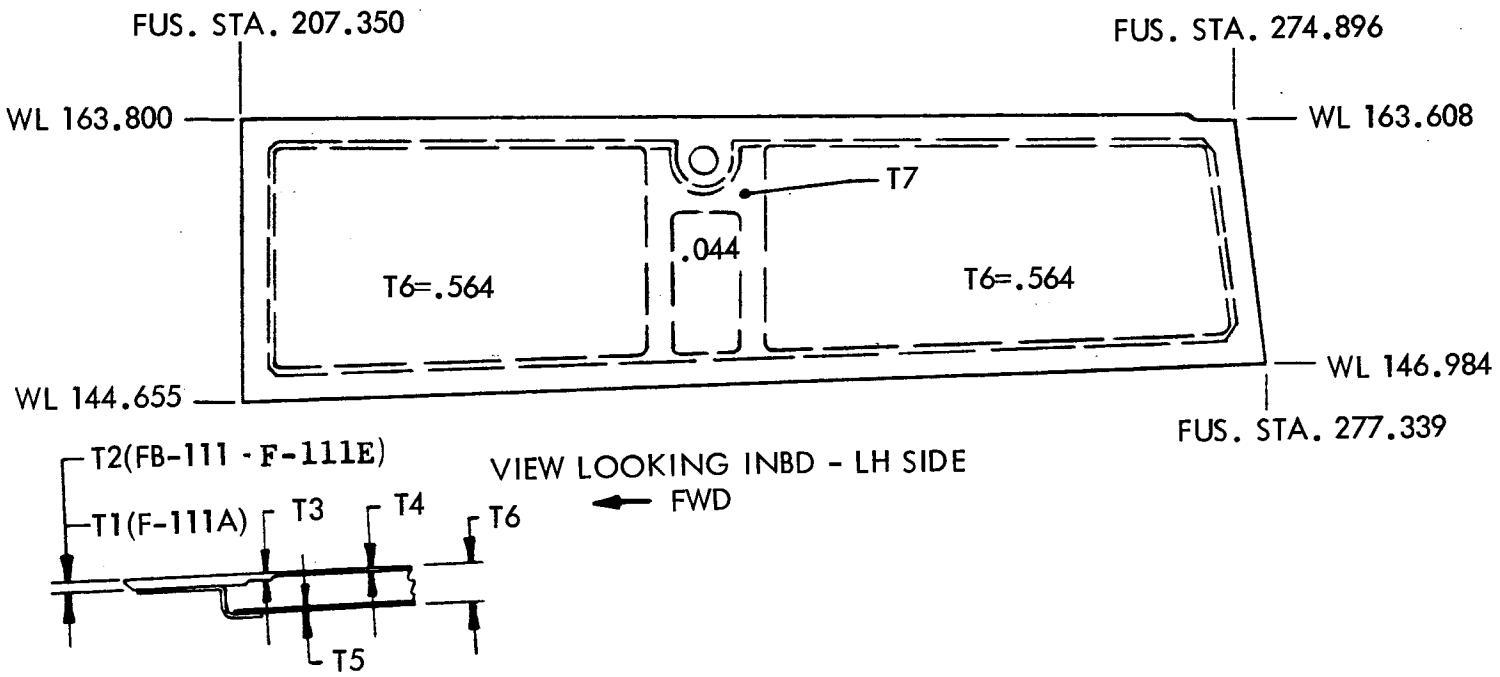


VIEW LOOKING DOWN (RH SIDE ONLY)

F-111A & F-111E

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



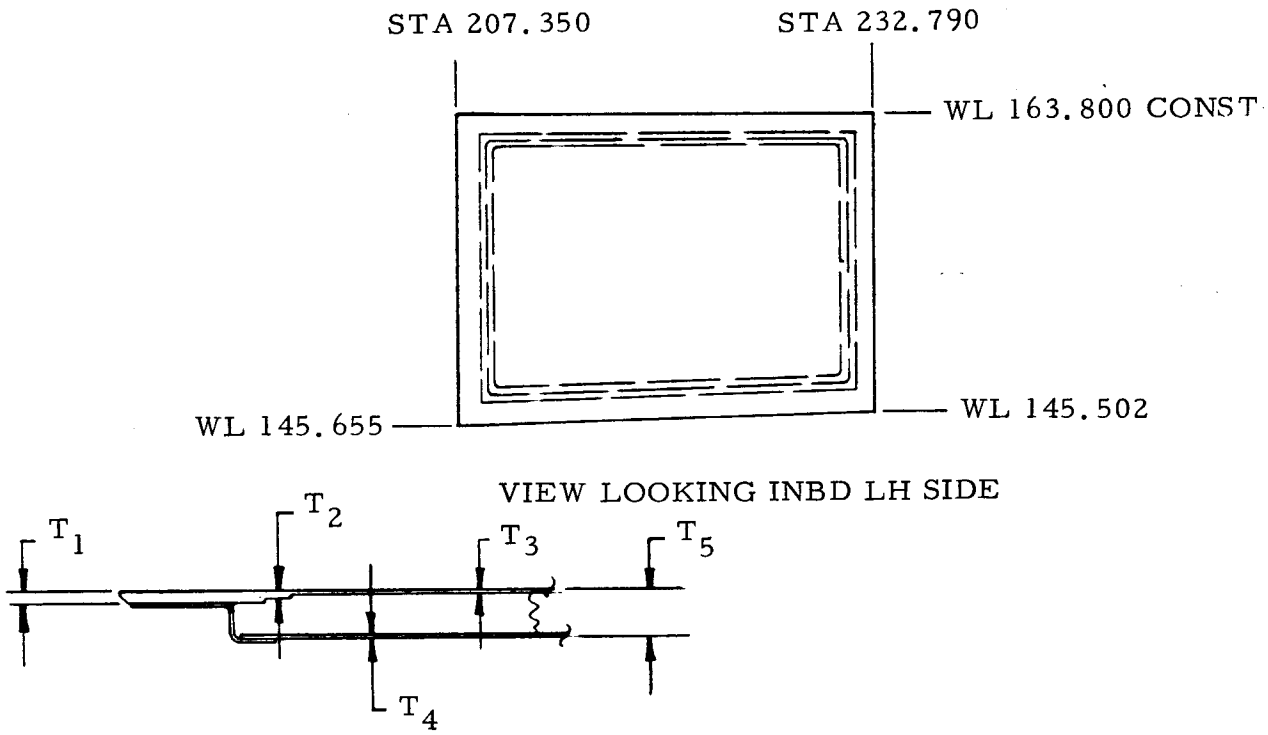
AREA = 9.81 SQ. FT.

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)

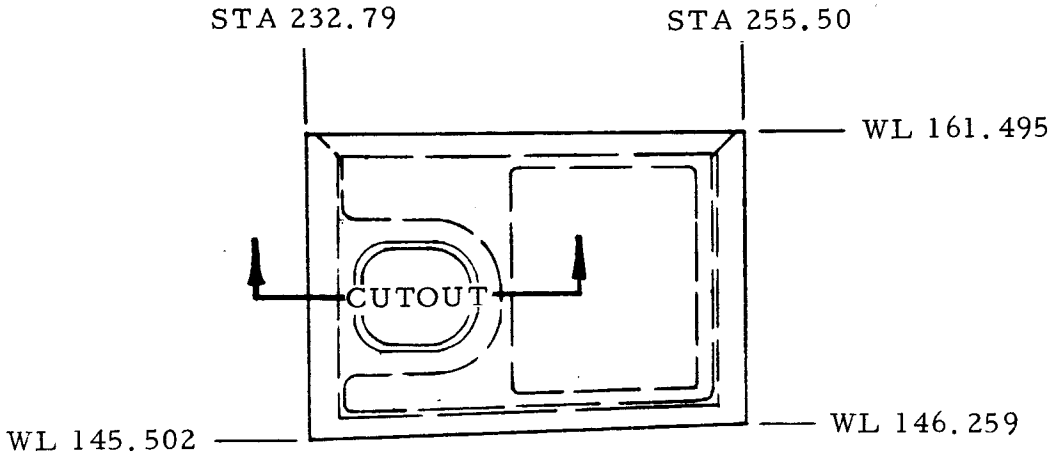


AREA=3.8 SQ. FT

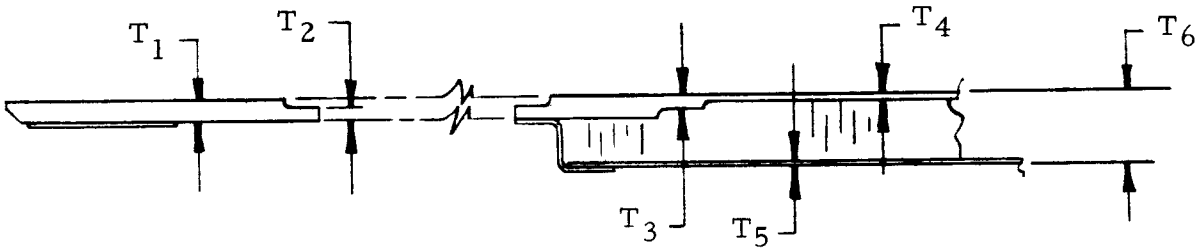
NAME	T_1	T_2	T_3	T_4	T_5	MATERIAL
OUTER SKIN	.116	.079	.044			2024-T81 ★
INNER SKIN				.016		2024-T81 *
BONDED ASSY					.574	

★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

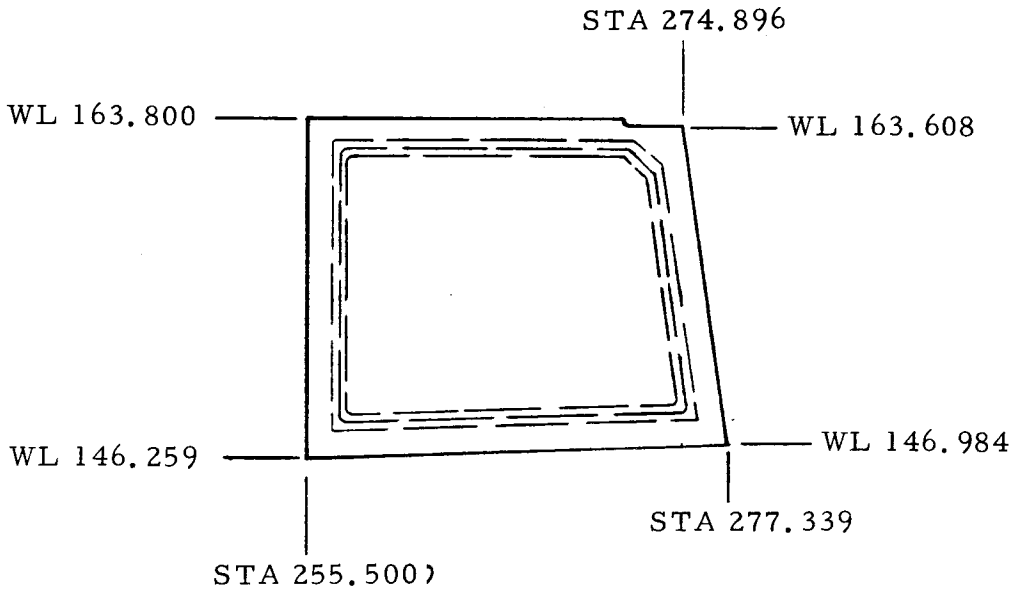


AREA=2.9 SQ. FT.

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**

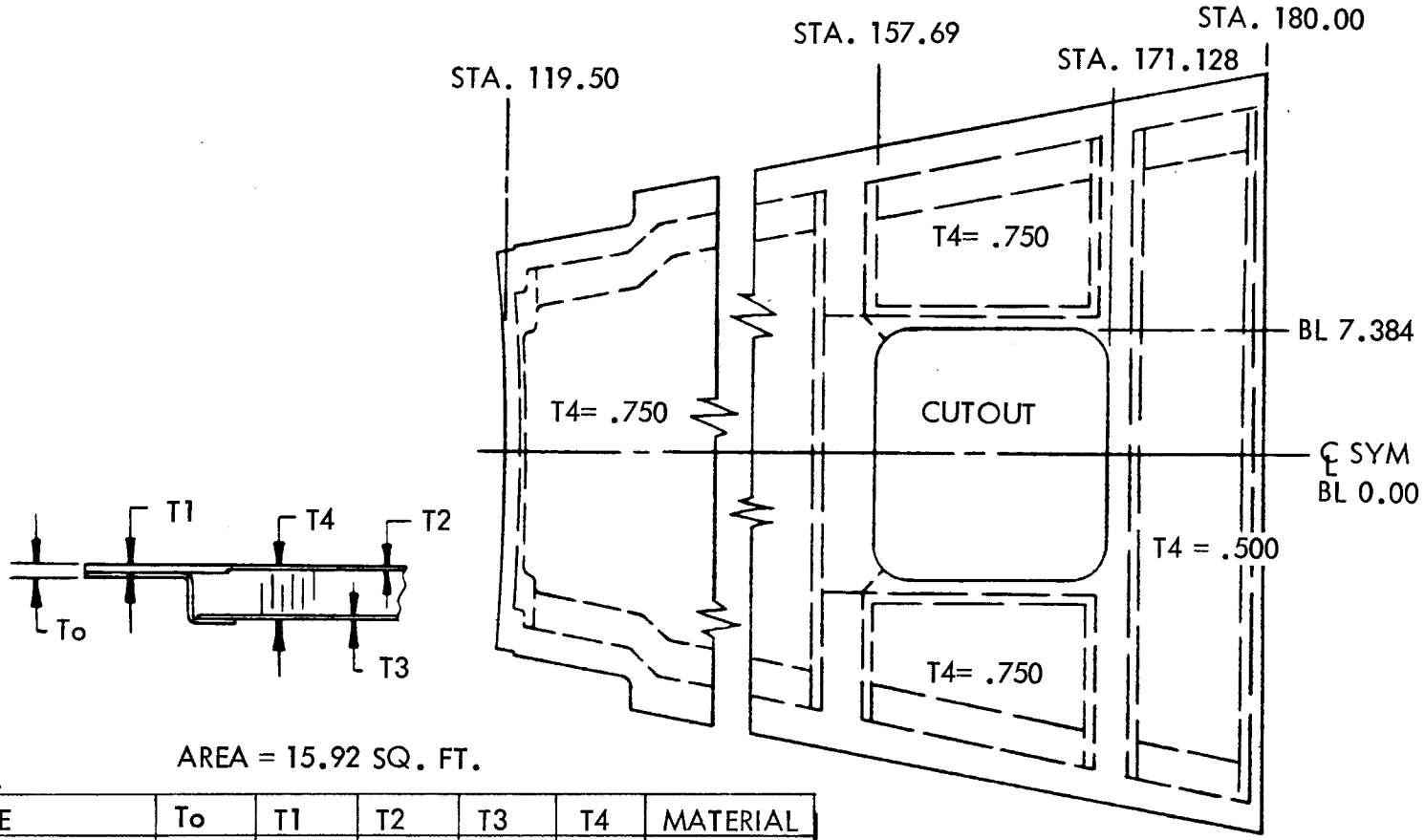


AREA=2.8 SQ. FT.

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**

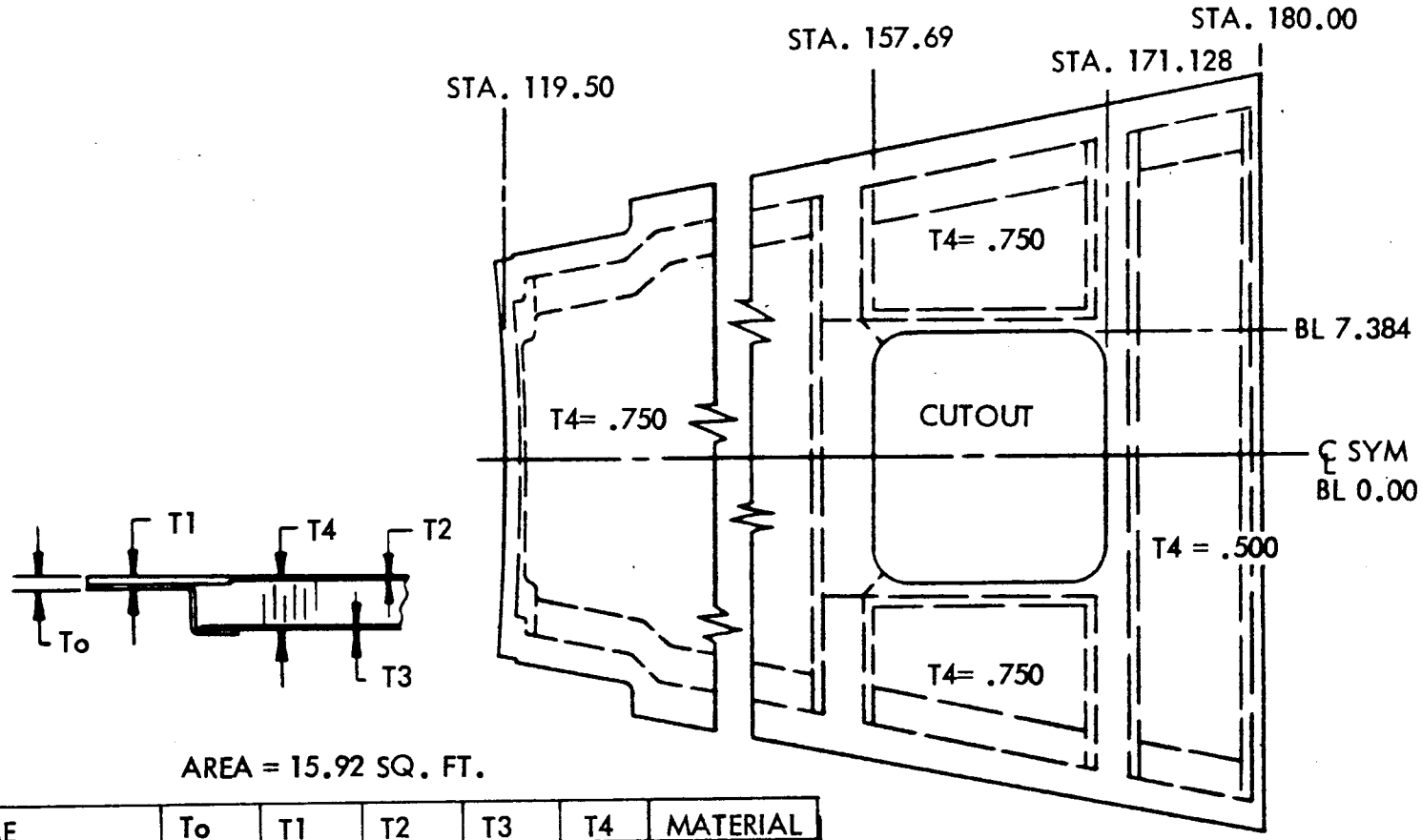


AREA = 15.92 SQ. FT.

NAME	To	T1	T2	T3	T4	MATERIAL
OUTER SKIN		.048	.016			2024-T81*
INNER SKIN				.012		2024-T81★
BONDED ASSY.	.067				.750	

*FMS-0033 T81 ★CLAD QQ-A-362-T81

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



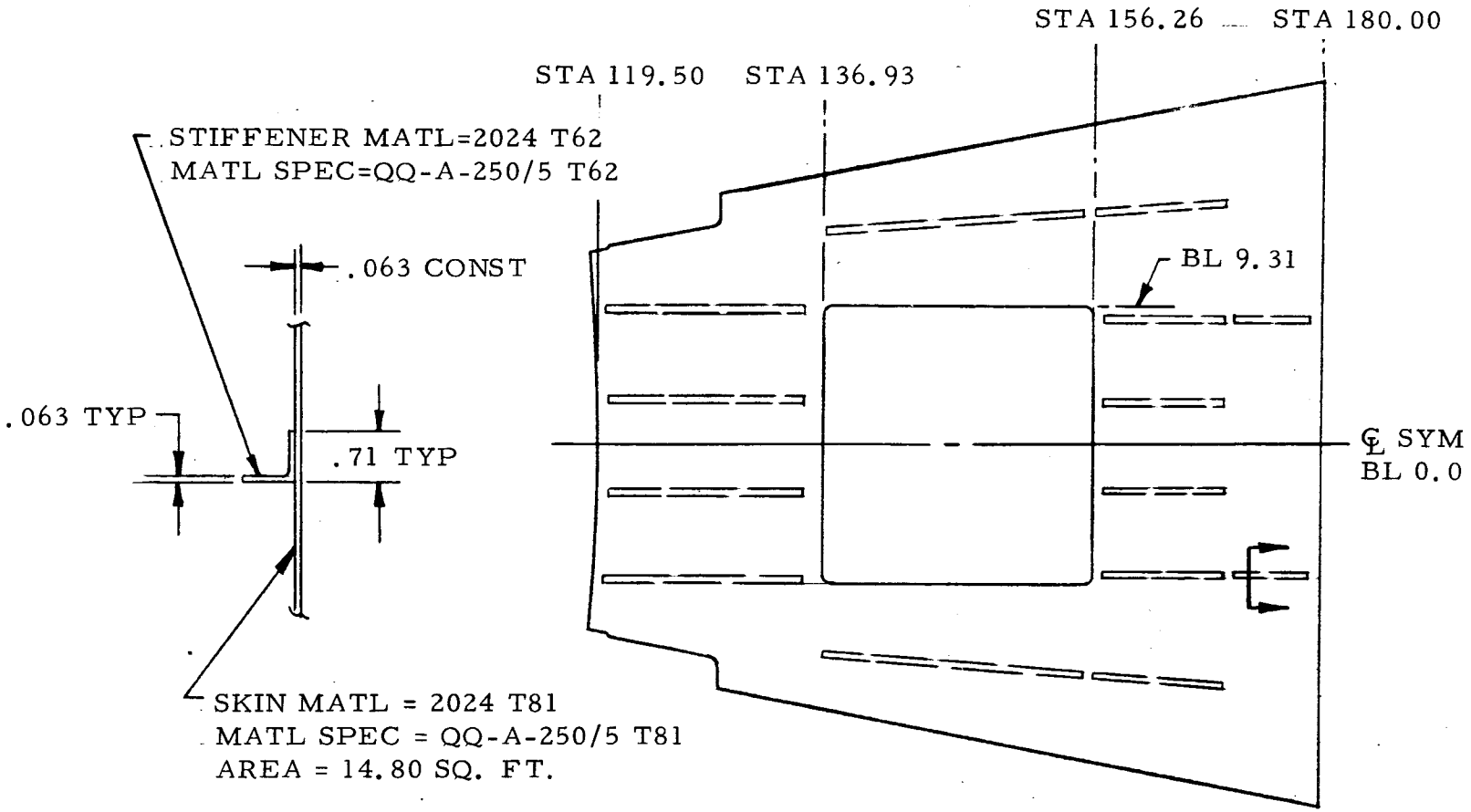
AREA = 15.92 SQ. FT.

NAME	To	T1	T2	T3	T4	MATERIAL
OUTER SKIN		.048	.016			2024-T81*
INNER SKIN				.012		2024-T81★
BONDED ASSY.	.067				.750	

*FMS-0033 T81 ★CLAD QQ-A-362-T81

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**

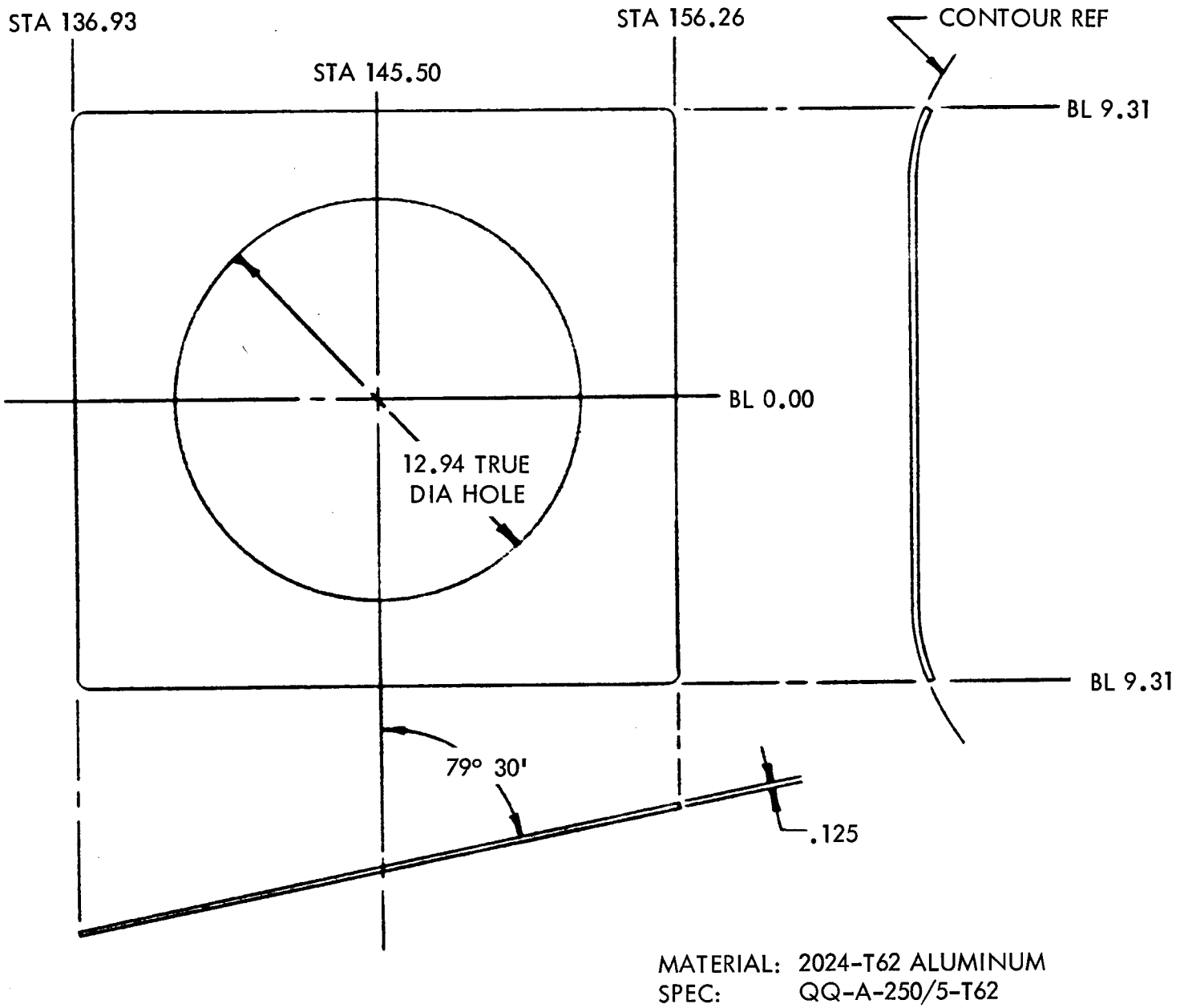


Figure 3-25 FB-111A 12B40540 - COVER - ACCESS, ASTRO COMPASS, ASSEMBLY OF

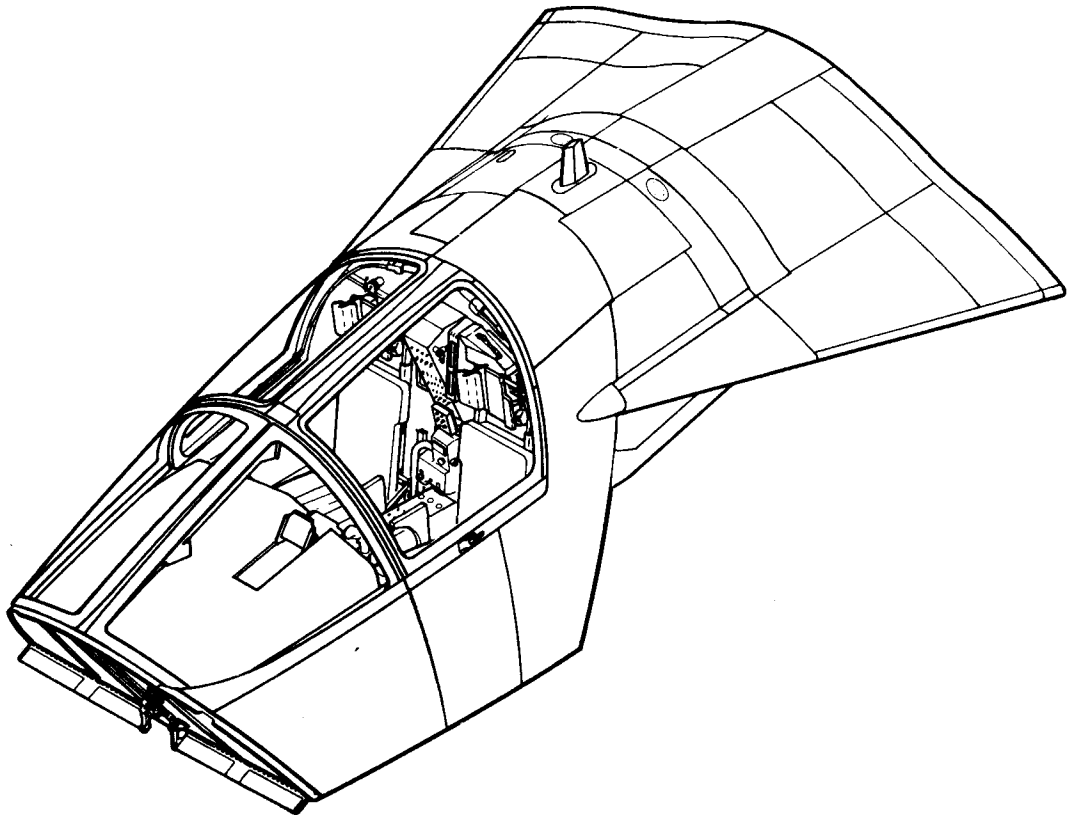
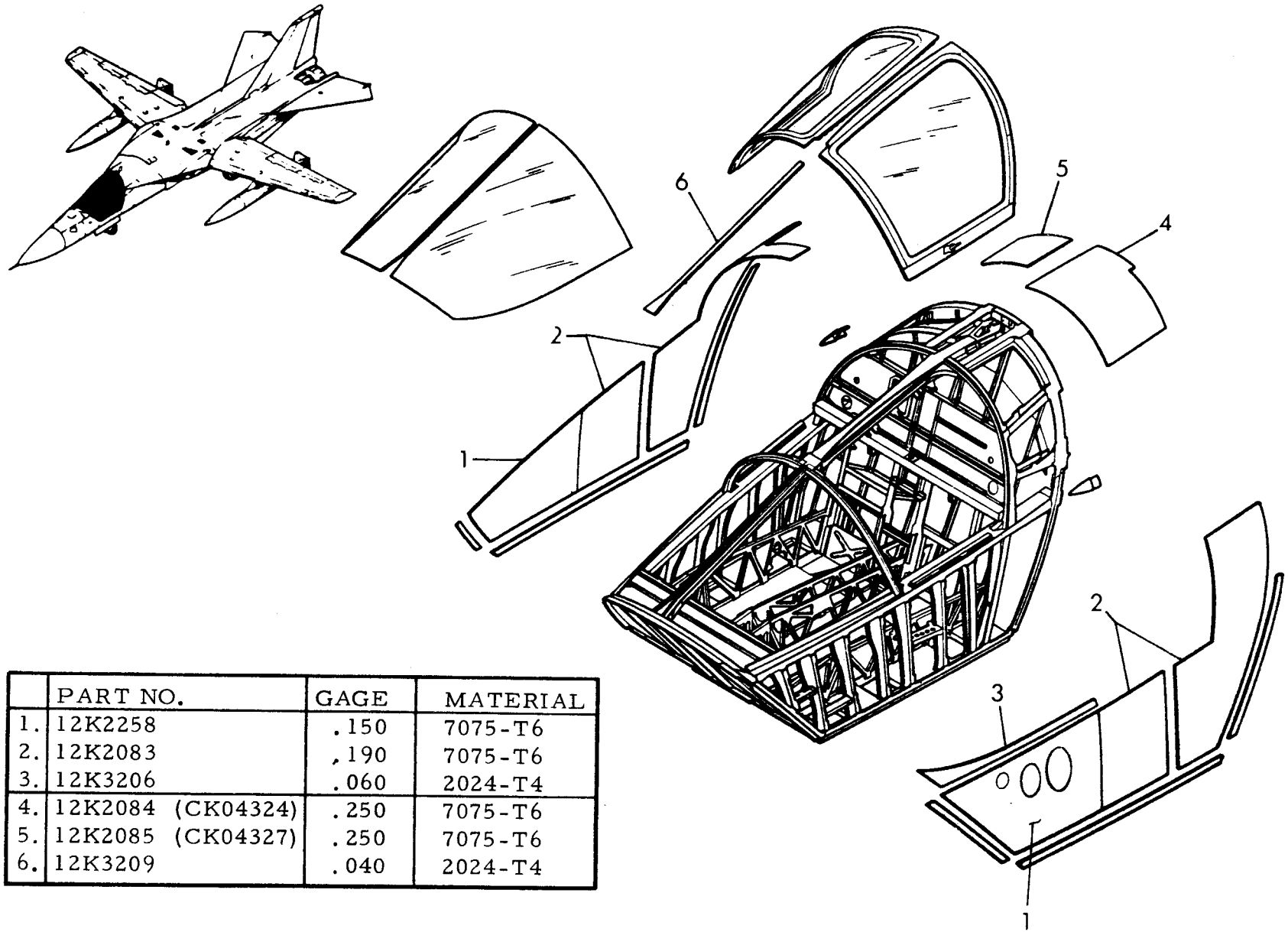


Figure 3-26 CREW MODULE WITH STAB GLOVE



	PART NO.	GAGE	MATERIAL
1.	12K2258	.150	7075-T6
2.	12K2083	.190	7075-T6
3.	12K3206	.060	2024-T4
4.	12K2084 (CK04324)	.250	7075-T6
5.	12K2085 (CK04327)	.250	7075-T6
6.	12K3209	.040	2024-T4

Figure 3-27 CREW MODULE SKIN PANELS

ST-673-52A

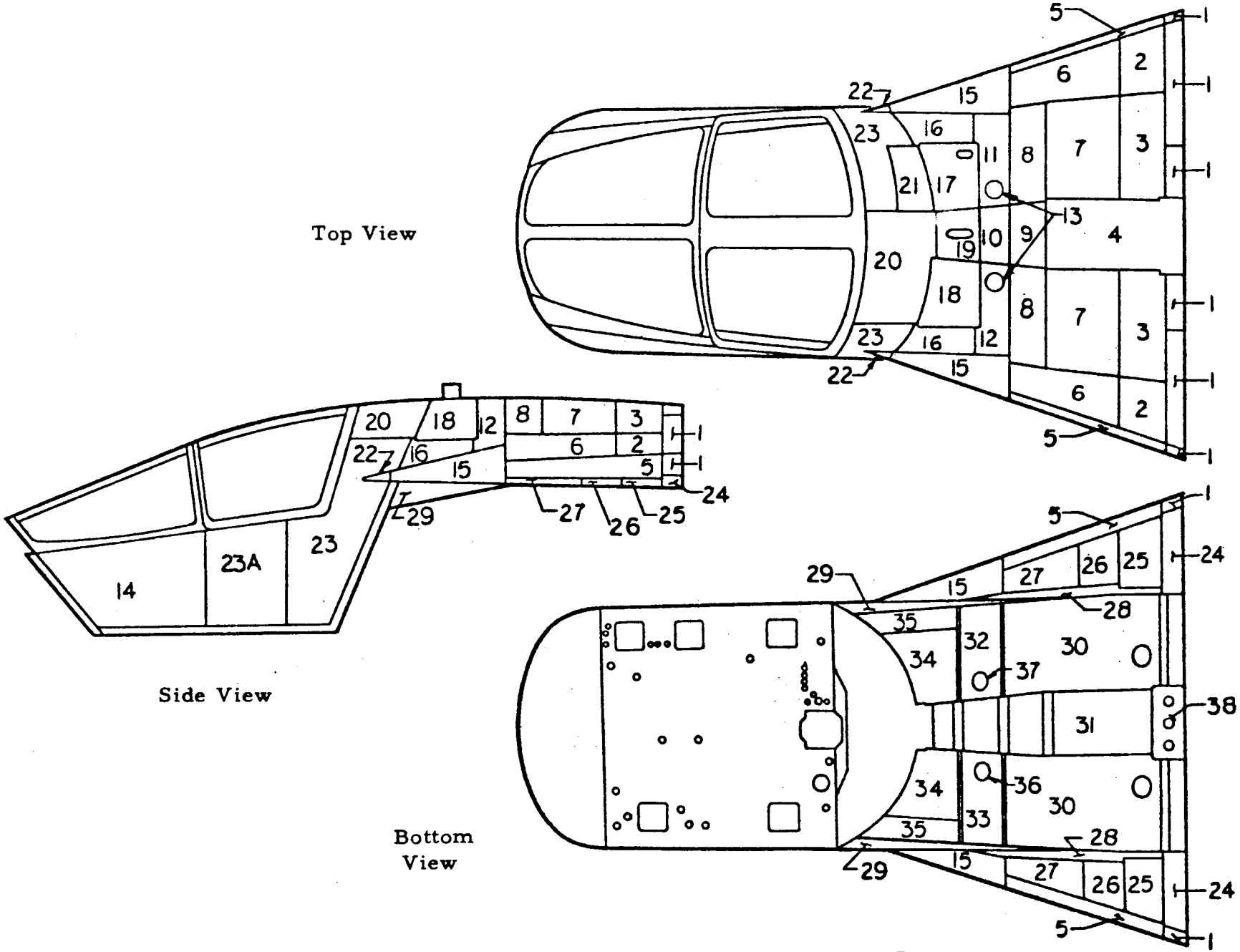


Figure 3-28 CREW MODULES SKINS AND COVERS

CREW MODULE SKINS AND COVERS

PART NO./SYM	PART NAME - LOCATION	MATL	TYPE	ALLOY	AREA	GAGE
12K2952 1	Cover, Access, Severable - Closure, Aft,	AL	ES	2024-T81		.150
	Stab. Glove, Assy. of					.190
12K3013 2	Cover, Access - Pitch Flap, Stab. Glove,	AL	ES	2024-T6		.080
	Assy. of					
12K3001 3	Cover, Access - Fuel Probe, Stab. Glove,	AL	SH	2024-T42		.040
	Assy. of					
12K3006 4	Cover, Access, Severable - Parachute,	AL	ES	2024-T81		.125
	Stab-Brake, Assy of					
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.	AL	ES	2024-T6		.080
	Glove, Assy of					
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.,	AL	ES	2024-T81		.080
	Assy. of					
12K3002 17	Cover, Access - Antenna, Emergency UHF,	AL	ES	2024-T81		.080
	Stab. Glove, Assy of					
12K3008 18	Cover, Access - Self-Righting Bag, L.H.	AL	ES	2024-T81		.190
12K2901 19	Panel, Support - Blade Antenna, Stab. Glove,	AL	PL	2024-T851		1.00
	Assy. of					
12K2084 20	Cover, Access - Recovery Parachute and Rkt.	AL	PL	7075-T6		.250
	Compt.					
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	AL	CAST-			
	Module		ING			

CREW MODULE SKINS AND COVERS

PART NO./SYM	PART NAME - LOCATION	MATL	TYPE	ALLOY	AREA	GAGE
12K2083 23	Skin-Crew Module	AL	ES	7075-T6		.190
12K2987 24	Cover, Access-Closure, Aft, Lwr, Stab. Glove	AL	ES	2024-T81		.125
	Assy of					
12K2978 25	Skin, Wing - Stab. Glove, Lwr Aft	AL	ES	2024-T81		.160
12K3007 26	Cover, Access - Flotation Bag, Aft	AL	ES	2024-T81		.190
12K2999 27	Cover, Access - Tubing, Aft Flotation Bag,	AL	ES	2024-T81		.080
	Stab. Glove					
12K2981 28	Support - Lwr Longeron, Stab. Glove, Aft,	AL	SH	2024-T81		.080
	Assy. of					
12K2995 30	Skin, Inner Closure - Stab. Glove, Aft Assy of	AL	SH	2024-T81		.025
12K3042 31	Pan - Stab. Brake Chute F.S. 328-352	AL	SH	2024-T81		.080
12K2936 32	Skins - Fuse. Sta. 308.625 to 319.50 R.H. Inner	AL	SH	2024-T81		.063
12K2935 33	Skin - Fuse. Sta. 308.625 to 319.50 L.H Inner	AL	SH	2024-T81		.063
12K2996 34	Skin, Closure - Fwd, Inbd, Assy of	AL	SH	2024-T81		.040
12K2971 35	Skin, Inner Closure - Outbd., Fwd, Assy of	AL	SH	2024-T6		.040
12K2929 36	Cover, Access - Fuel Probe, Inner R.H.	AL	SH	2024-T81		.080
12K2937 37	Cover, Access - Fuel Valve, Inner, R.H.	AL	SH	2024-T81		.063
	Assy of					
12K2990 38	Support Details - Stab. Bk Parachute	AL	SH	2024-T6		.050
						.020
						.025
12K2982 29	Cover, Access - Shaped Charge, Stab. Glove, Lwr, Assy of. 6	AL	SH	2024-T81		.080

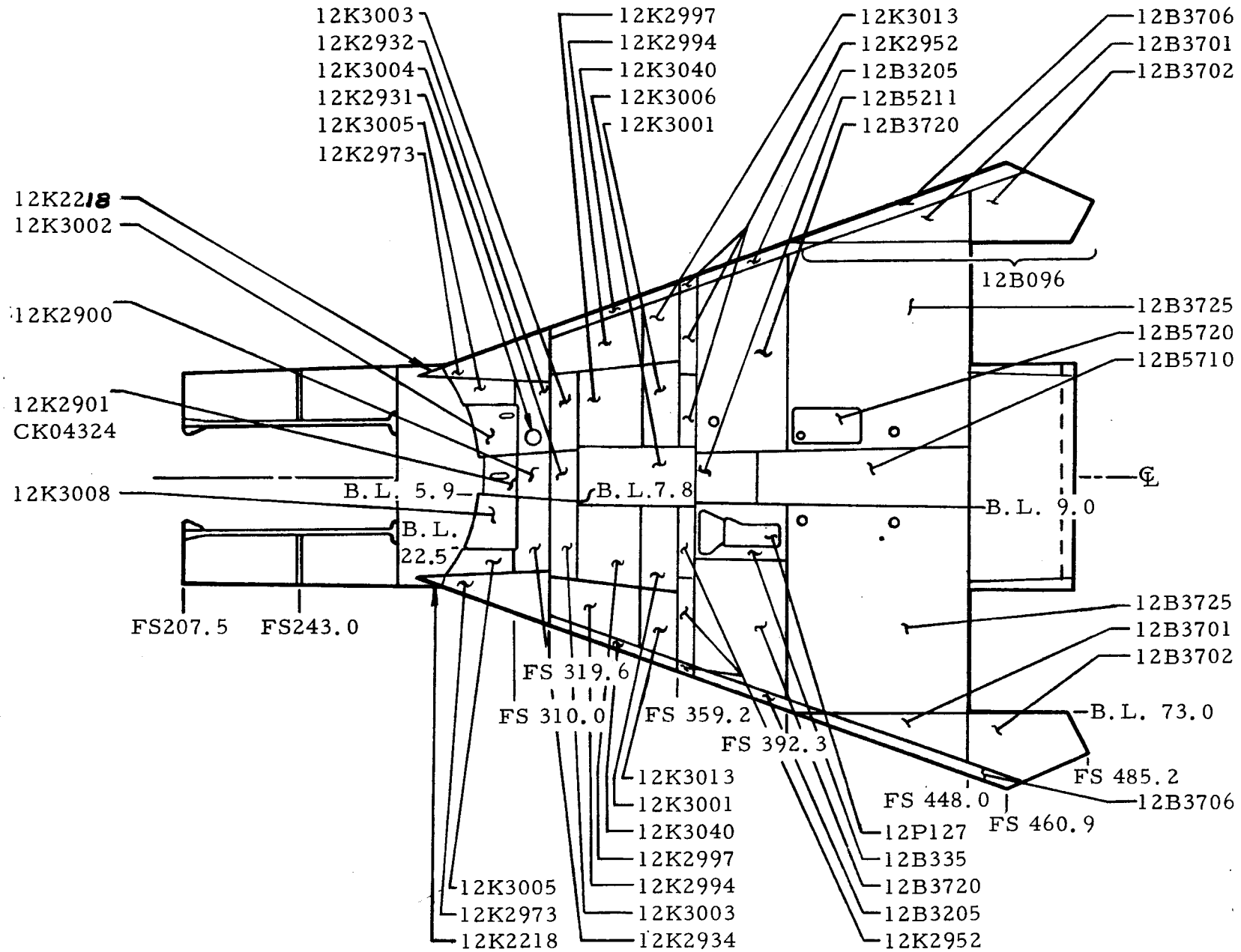
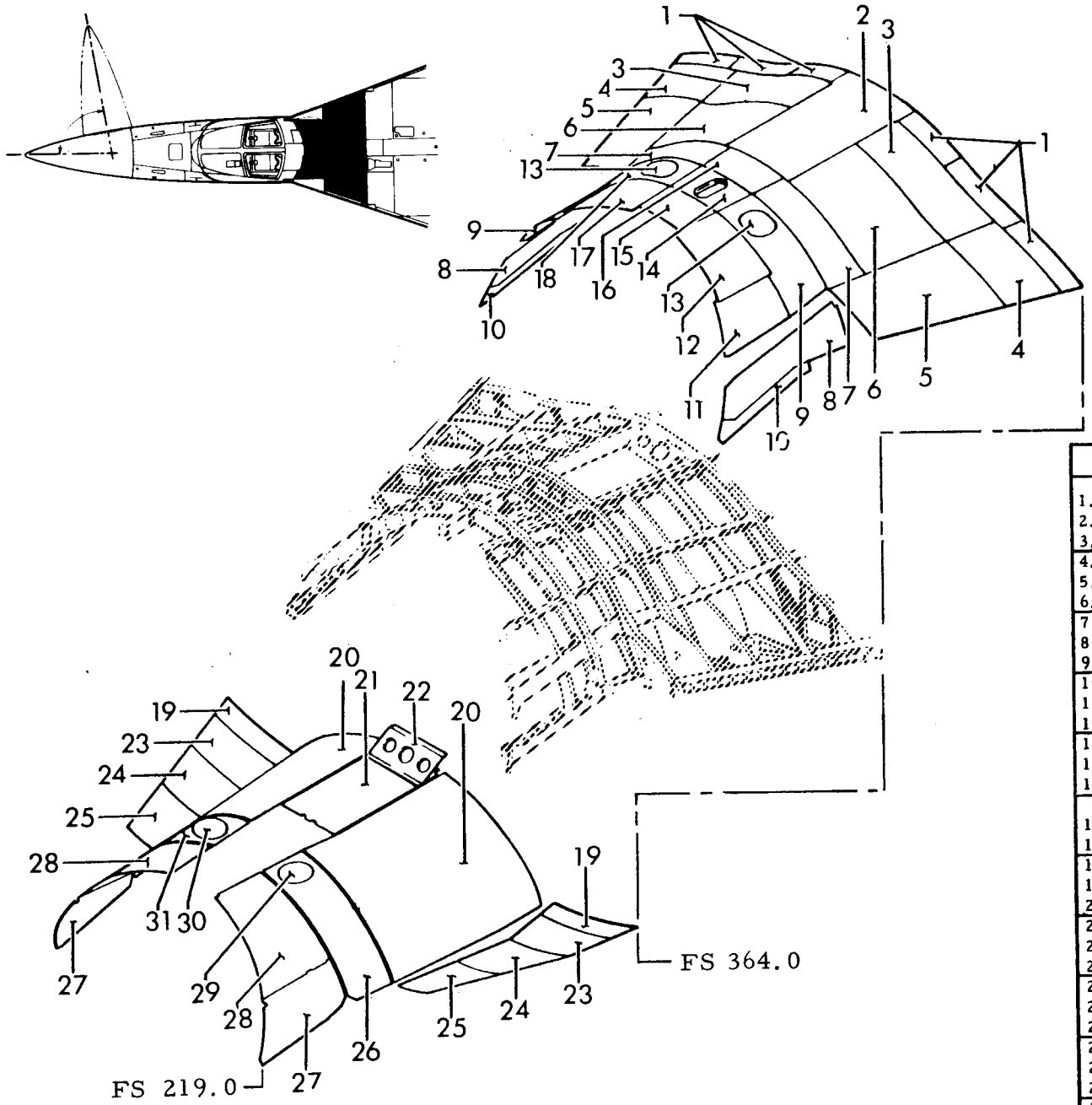


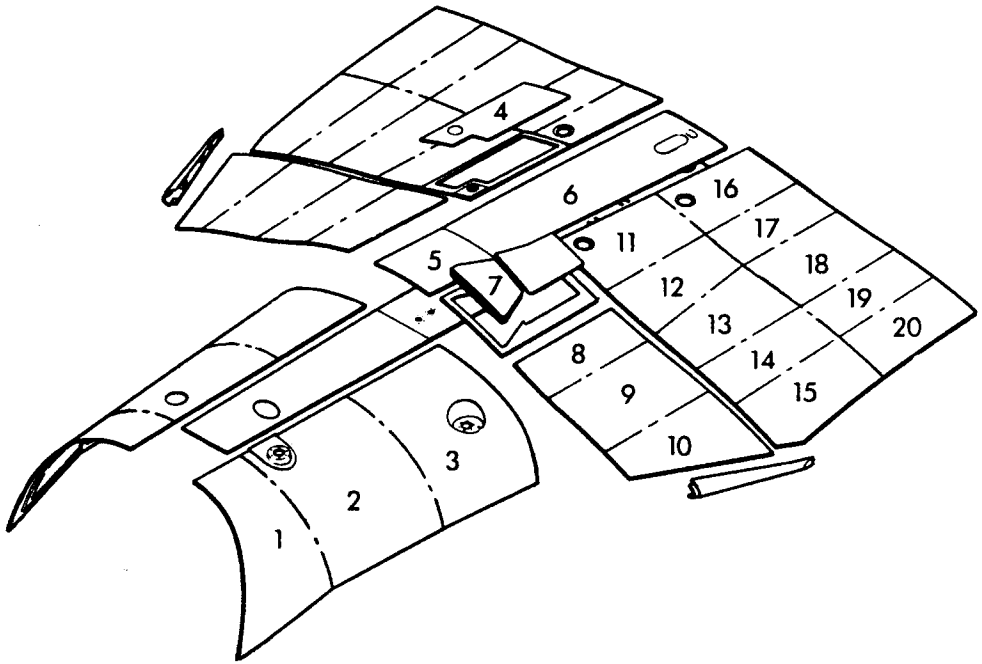
Figure 3-29 STABILIZER GLOVE, GLOVE ASSEMBLY, AND ROTATING GLOVE SKINS

ST-652-189



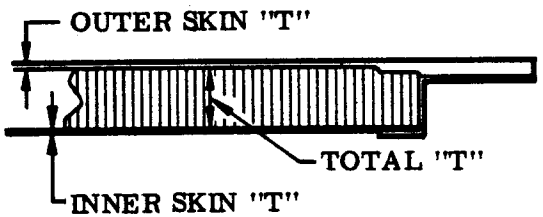
	PART NO.	GAGE	MATERIAL
1.	12K2952	.150	2024-T81
2.	12K3006	.125	2024-T81
3.	12K3001	.080	2024-T6
4.	12K3013	.080	2024-T6
5.	12K2994		
6.	12K2997	.050	2024-T6
7.	12K3003	.080	2024-T6
8.	12K2973	.080	2024-T81
9.	12K2934	.180	2024-T81
10.	12K2982	.080	2024-T81
11.	12K3005	.080	2024-T81
12.	12K3008	.190	2024-T81
13.	12K2931	.080	2024-T81
14.	12K2900	.080	2024-T81
15.	12K3009	.125	2024-T81
	CK04324		
16.	12K3004	.080	2024-T81
17.	12K3002	.080	2024-T81
18.	12K2932	.180	2024-T81
19.	12K2987		
20.	12K2995	.025	2024-T81
21.	12K3042	.080	2024-T81
22.	12K2990		
23.	12K2978	.160	2024-T81
24.	12K3007	.190	2024-T81
25.	12K2999	.080	2024-T81
26.	12K2935	.063	2024-T81
27.	12K2971	.040	2024-T6
28.	12K2996	.040	2024-T81
29.	12K2929	.080	2024-T81
30.	12K2937	.063	2024-T81
31.	12K2936	.063	2024-T81

Figure 3-30 STABILIZATION GLOVE SKIN PANELS



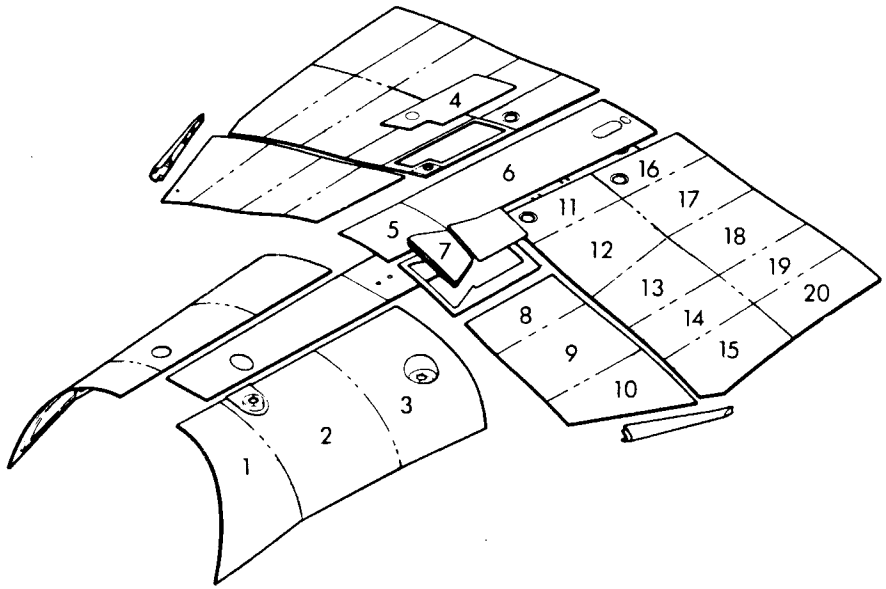
PART NUMBER	BAY	OUTER "T"	INNER "T"	TOTAL "T"
12B3211	1	.024	.024	.550
12B3211	2	.024	.024	.550
12B3211	3	.024	.024	.550
12B5720	4	.015	.015	.532
12B5211	5	.015	.012	.407
12B5710	6	.015	.012	.407
12B335	7	.145	SHEET	.145
12B3720	8	.015	.012	.529
12B3720	9	.015	.015	.532
12B3720	10	.015	.015	.532
12B3725	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

BAY NO. X (UPPER SURFACE)

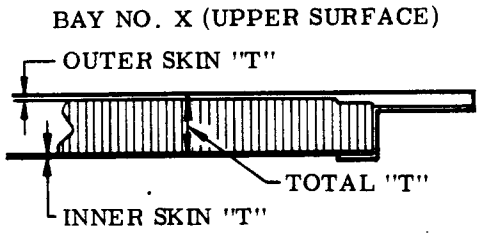


PANEL PART NUMBER	SIZE
12B3211	35" x 79"
12B5211	20" x 16"
12B5710	16" x 65"
12B3720	28" x 63"
12B3725	56" x 65"

Figure 3-31 F-111A GLOVE SKIN PANELS



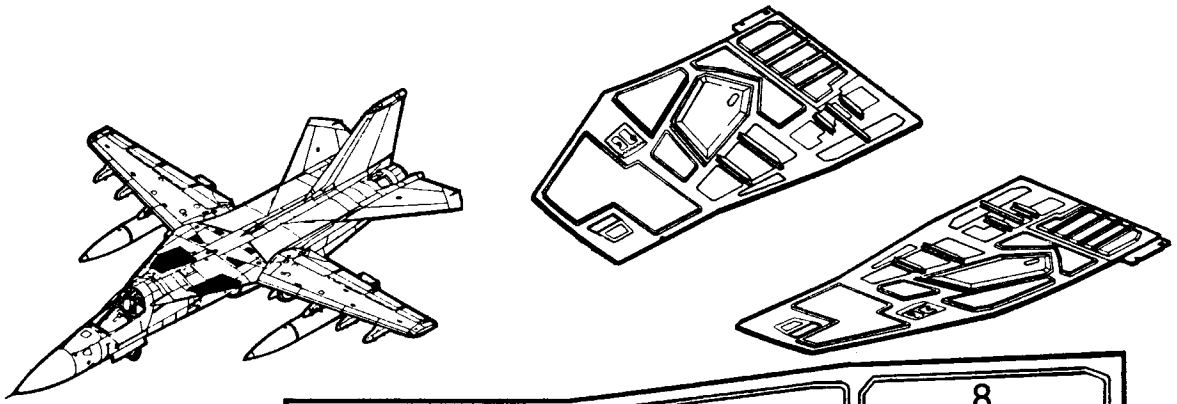
PART NUMBER	BAY	OUTER "T"	INNER "T"	TOTAL "T"
12B3711	1T	.024	.024	.550
12B3713	1N	.020	.016	.538
12B3711	2T	.024	.024	.550
12B3713	2N	.012	.012	.526
12B3711	3T	.024	.024	.550
12B3713	3N	.024	.024	.550
12B5720	4	.015	.015	.532
12B5211	5T	.015	.012	.407
12B5710	6	.015	.012	.407
12B335	7T	.145	SHEET	.145
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

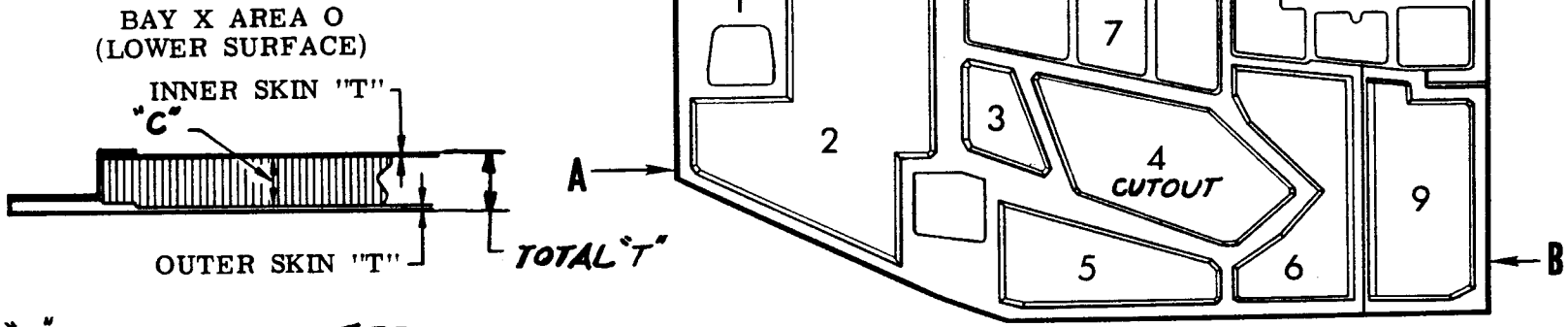


PANEL PART NUMBER	SIZE
12B3711	35" x 79"
12B3713	35" x 79"
12B5211	20" x 16"
12B5710	16" x 65"
12B3720	28" x 63"
12B3725	56" x 65"

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"





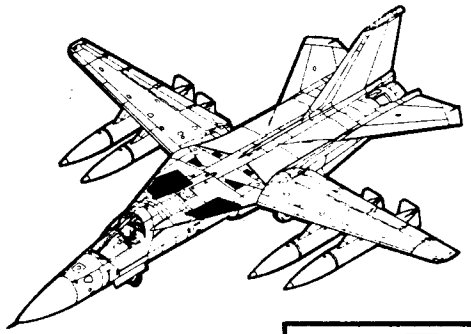
"C" = CORE THICKNESS

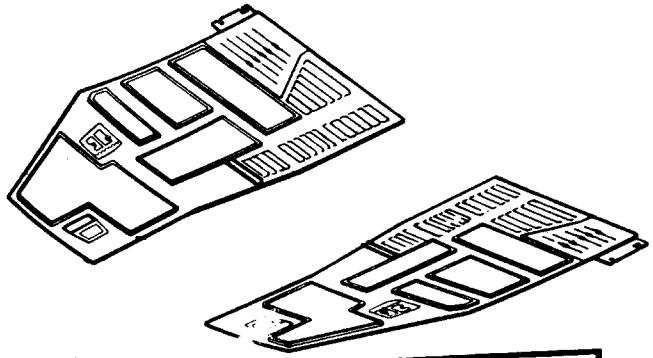
PANEL NUMBER	BAY	AREA 1	AREA 2			AREA 3			AREA 4	
		OUTER "T"	OUTER "T"	INNER "T"	TOTAL "T"	OUTER "T"	INNER "T"	C	CUTOUT	
12B3770	A	.012	.020	.015	"C"	.015	.012	.495		
12B3271	B				.490					

PART NUMBER	BAY	AREA 5			AREA 6			AREA 7	AREA 8	AREA 9		
		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

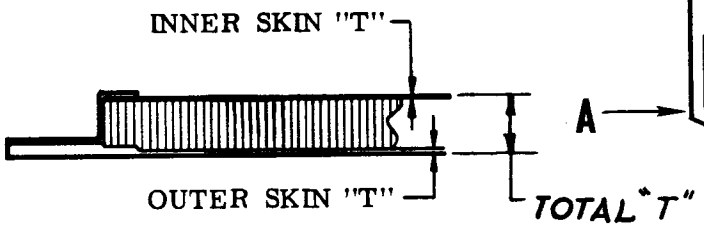
Figure 3-33 F-111A GLOVE SKIN PANELS LOWER

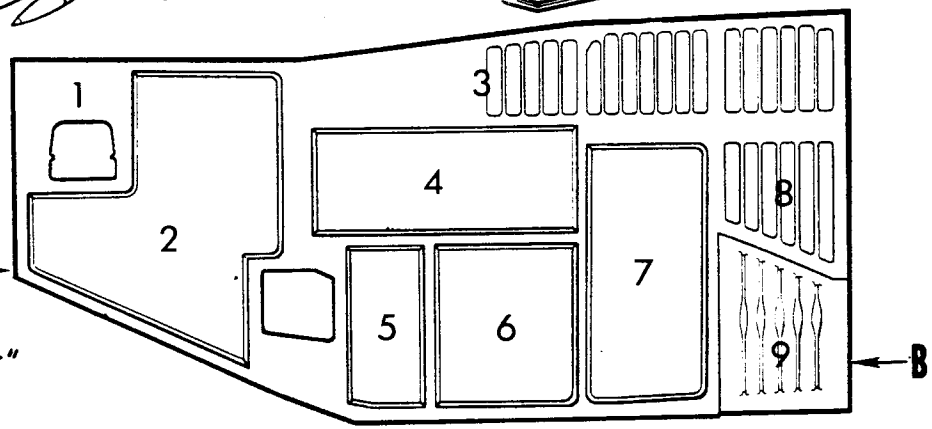
PANEL PART NO.	SIZE
12B3771	.100 X 43" X 85"
12B3272	.312 X 15" X 27"





BAY X AREA O
(LOWER SURFACE)





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. Tu (T-__) / Tl (T-__) - Thickness and 2024 Al temper of upper & lower skins.

   Tc (I-__) - Thickness and basic core type.

   Te - Thickness of lower skin just inside zee edge member.

   Ld - Dimension from edge of upper skin to min. etched thickness OF LOWER SKIN.

   To THICKNESS AND 2024 AL TEMPER OF OUTER SKIN.

   Ti 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.

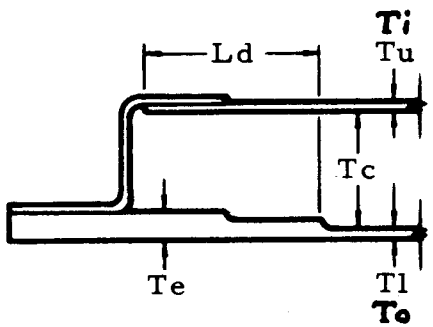


Figure 3-35 SKIN PANEL LEGEND IN AREA OF FORWARD CENTER FUSELAGE

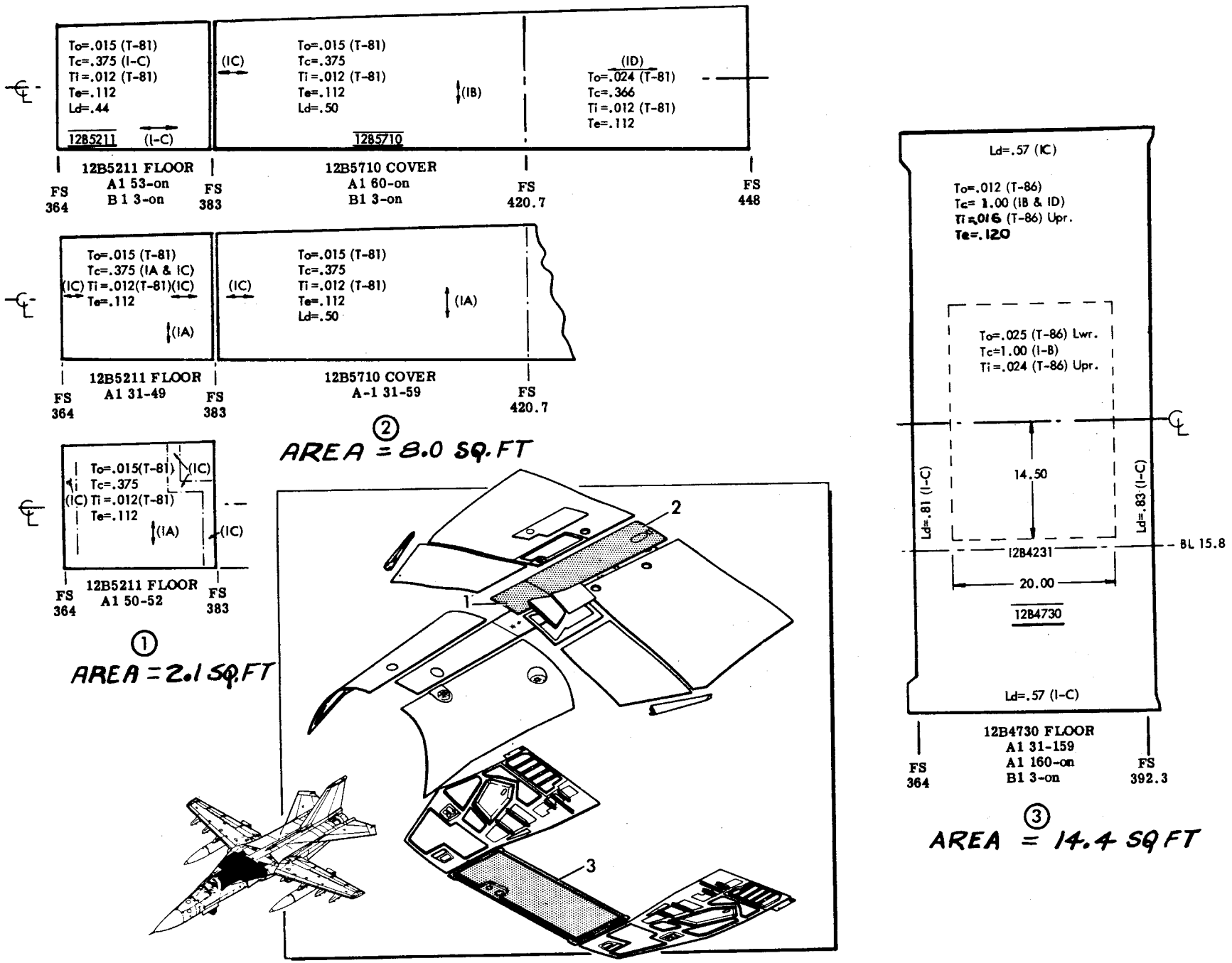
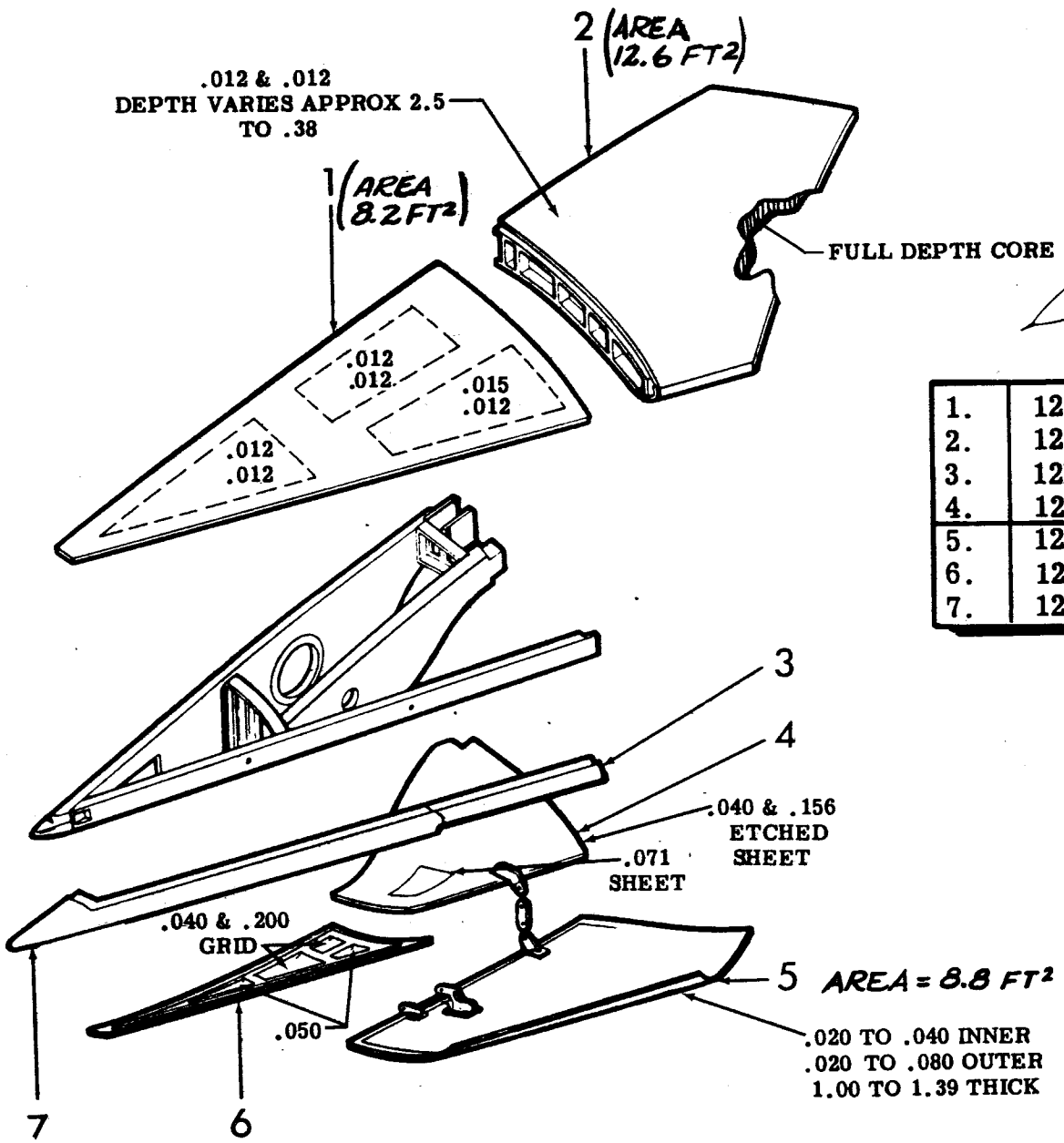
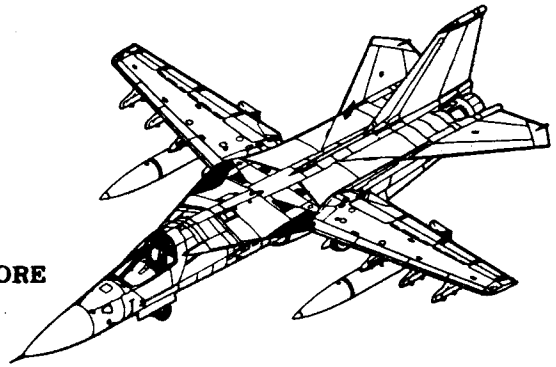


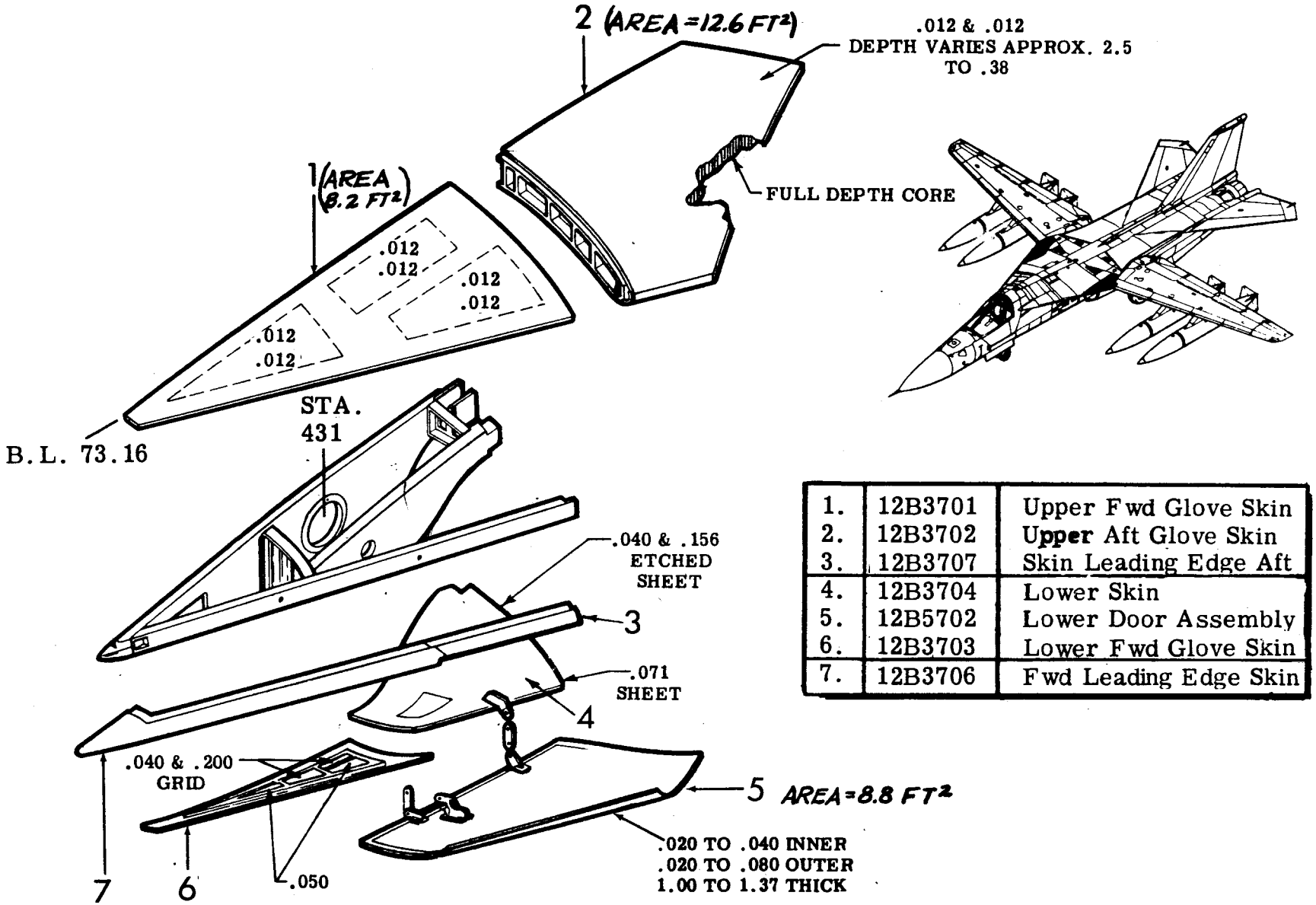
Figure 3-36 GLOVE COVERS, 12B5211, 12B5710, AND 12B4730





1.	12B3701	Upper Fwd. Skin Glove
2.	12B3702	Upper Aft Glove Skin
3.	12B3707	Skin L.E. Aft
4.	12B3704	Lower Skin
5.	12B5701	Lower Door Assy.
6.	12B3703	Lower Fwd. Glove Skin
7.	12B3706	Skin L.E. Fwd.

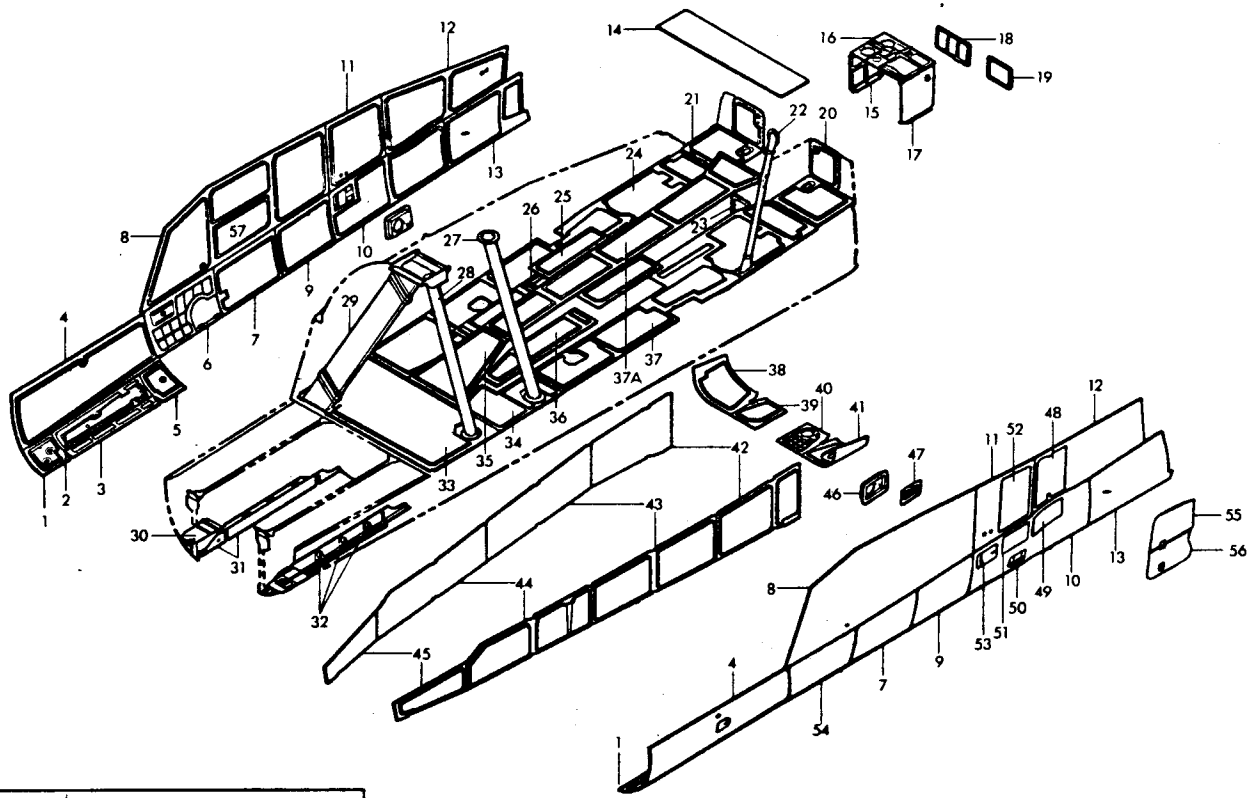
Figure 3-37 F-111A ROTATING GLOVE SKIN **F-111E**



1.	12B3701	Upper Fwd Glove Skin
2.	12B3702	Upper Aft Glove Skin
3.	12B3707	Skin Leading Edge Aft
4.	12B3704	Lower Skin
5.	12B5702	Lower Door Assembly
6.	12B3703	Lower Fwd Glove Skin
7.	12B3706	Fwd Leading Edge Skin

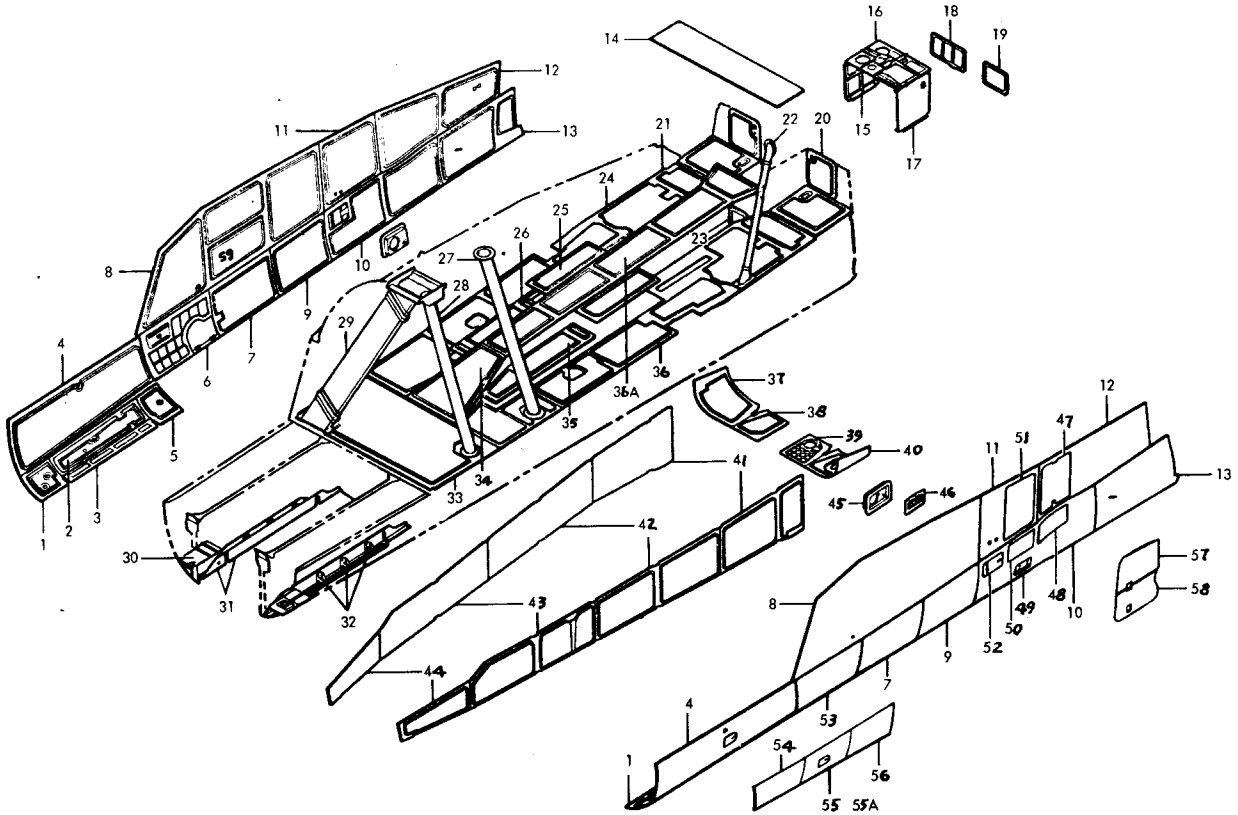
Figure 3-38 ROTATING GLOVE SKIN **FB-111A / F-111E**

ST-686-16A



1.	12B3046	Skin - RH	21.	12B4627	Deck Sta. 460 - 476 L/R	38.	12B3683	Skin Sta. 460 - 476
1.	12B3043	Skin - LH	22.	12B8132	Tunnel Routing	39.	12B3681	Skin Sta. 460 - 476
2.	12F4101	Cover, Ladder - L/R	23.	12B5640	Door Sta. 460.05	40.	12B3682	Skin Sta. 460 - 476
3.	12B3044	Skin - L/R	24.	12B4115	Deck Sta. 307.5 460.05	41.	12B3680	Skin Sta. 460 - 476
4.	12B5051	Cover - L/R (TAC 31-49)	24.	12B4185	Deck Sta. 307.5 460.05 (A1 - 37 and on)	42.	12B5685	W. B. Cover Sta. 420.7 - 460
4.	12B5053	Cover - L/R (TAC 50-On)	25.	12B4122	Deck Sta. 370.73 - 402.25 L/R	43.	12B5680	W. B. Cover Sta. 364 - 420.7
5.	12B3045	Skin L/R	26.	12B4120	Deck Sta. 333.47 - 370.8	44.	12B3660	W. B. Cover Sta. 307.5 - 364
6.	12B5611	Panel Sta. 278.5 - 307.5	27.	12B8121	Tube Routing	45.	12B3650	W. B. Cover Sta. 278.5 - 307.5
7.	12B5615	Cover Sta. 307. - 337.	28.	12B8115	Tube Routing	46.	12B7110	Support L/R
8.	12B3111	Skin Side Shear Sta. 278. 364.	29.	12B8110	Tube Assembly	47.	12B7111	Support
9.	12B5617	Access Cover Sta. 337 - 364	30.	12B3047	Web Instl. L/R	48.	12B8102	Skin L/R
10.	12B3131	Skin Panel Sta. 364 - 420.7	31.	12B4022	Fairing	49.	12B8104	Skin L/R
11.	12B3113	Skin Panel Sta. 364 - 392.3	32.	12B2061	Gussets L/R	50.	12B5631	Door
12.	12B3121	Skin Panel Sta. 392 - 448	33.	12B4110	Floor Sta. 275 - 307.5	51.	12B8103	Skin L/R
13.	12B3640	Skin Panel Sta. 420 - 460	34.	12B4144	Deck Sta. 307.5 - 337.5	52.	12B8101	Skin L/R
14.	12B4150	Fuel Deck Sta. 448 - 460	35.	12B4132	Deck Sta. 307.5 - 337.5	53.	12B5630	Door L/R
15.	12B3676	Skin Water Tank	36.	12B4120	Deck Sta. 321.5 - 370.8	54.	12B5610	Access Door Sta. 218.5 - 307
16.	12B3670	Panel	37.	12B4112	Deck Sta. 337.5 - 400.05	55.	12B8151	Fuselage Fill
17.	12B3673	Skin Water Tank	37.	12B4182	Deck Sta. 337.5 - 400.05 (A137 and on)	56.	12B8156	Fuselage Fill
18.	12B5646	Cover Sta. 476	37A.	12B4135	Deck Fuel Boundary 337.5 - 460.05	57.	12B5126	Door - RH
19.	12B5647	Cover Sta. 476						
20.	12B5651	Cover Sta. 476 L/R						

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
		23. 12B5640	Door Sta. 460.05	44. 12B3650	W. B. Cover Sta. 378.5 - 307.5
3. 12B3044	Skin - L/R	24. 12B4185	Deck Sta. 307.5 - 460.05 (A1 37-On)	45. 12B7110	Support L/R
4. 12B5053	Cover - RH (B1 3-On)	25. 12B4122	Deck Sta. 307.5 - 402.25 L/R	46. 12B7101	Support
4. 12B5053	Cover - L/R A1 160-On)	26. 12B4120	Deck Sta. 333.47 - 370.8	47. 12B8102	Skin L/R
5. 12B3045	Skin L/R	27. 12B8121	Tube Routing	48. 12B8104	Skin L/R
6. 12B5611	Panel Sta. 278.5 - 307.5	28. 12B8115	Tube Routing	49. 12B5631	Door
7. 12B5615	Cover Sta. 307 - 337	29. 12B8110	Tube Assembly	50. 12B8103	Skin L/R
8. 12B3111	Skin Side Shear Sta. 278 - 364	30. 12B3047	Web Instl. L/R	51. 12B8101	Skin L/R
9. 12B5617	Access Cover Sta. 337 - 364	31. 12B4022	Fairing	52. 12B5630	Door L/R
10. 12B3131	Skin Panel Sta. 364 - 420.7	32. 12B2061	Gussets L/R	53. 12B5610	Access Door Sta. 278.5 - 307
11. 12B3113	Skin Panel Sta. 364 - 392.3	33. 12B4110	Floor Sta. 275 - 307.5	54. 12B5054	Cover L. H. (B1 3-On Only)
12. 12B3121	Skin Panel Sta. 392 - 448	34. 12B4132	Deck Sta. 307.5 - 337.5	55. 12B5055	Cover - L. H. (B1 3-On Only)
13. 12B3640	Skin Panel Sta. 420 - 460	35. 12B4120	Deck Sta. 321.5 - 370.8	55A 12B5057	Access Door - L. H. (B1 3-On Only)
14. 12B4150	Fuel Deck Sta. 448 - 460	36. 12B4182	Deck Sta. 337.5 - 460.05 (A1 37-On)	56. 12B5056	Cover - L.H. (B1 3-On Only)
15. 12B3676	Skin Water Tank	36A 12B4135	Deck Fuel Boundary 337.50 - 460.05	57. 12B8151	Fuselage Fill (B1 3-6; A1 239-On)
16. 12B3670	Panel	37. 12B3683	Skin Sta. 460 - 476	57A 12B8051	Fuselage Fill (A1 160-238; B1 7-33)
17. 12B3673	Skin Water Tank	38. 12B3681	Skin Sta. 460-476	58. 12B8156	Fuselage Fill (B1 3-6; A1 239-On)
18. 12B5646	Cover Sta. 476	39. 12B3682	Skin Sta. 460 - 476	58A 12B8056	Fuselage Fill (A1 160-238; B1 7-33)
19. 12B5647	Cover Sta. 476	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)

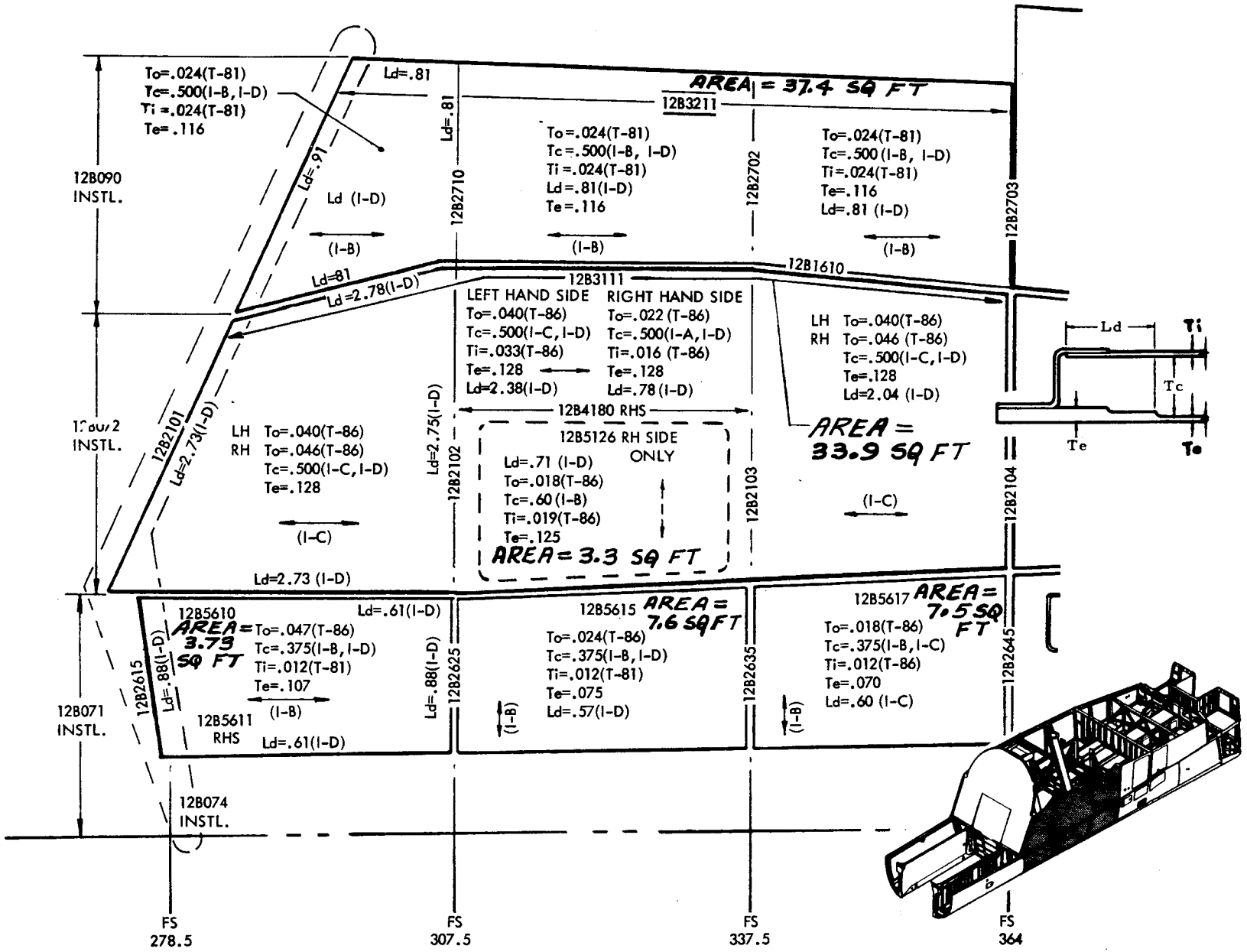


Figure 3-41 FORWARD CENTER FUSELAGE SIDE PANELS FS 278 TO 364

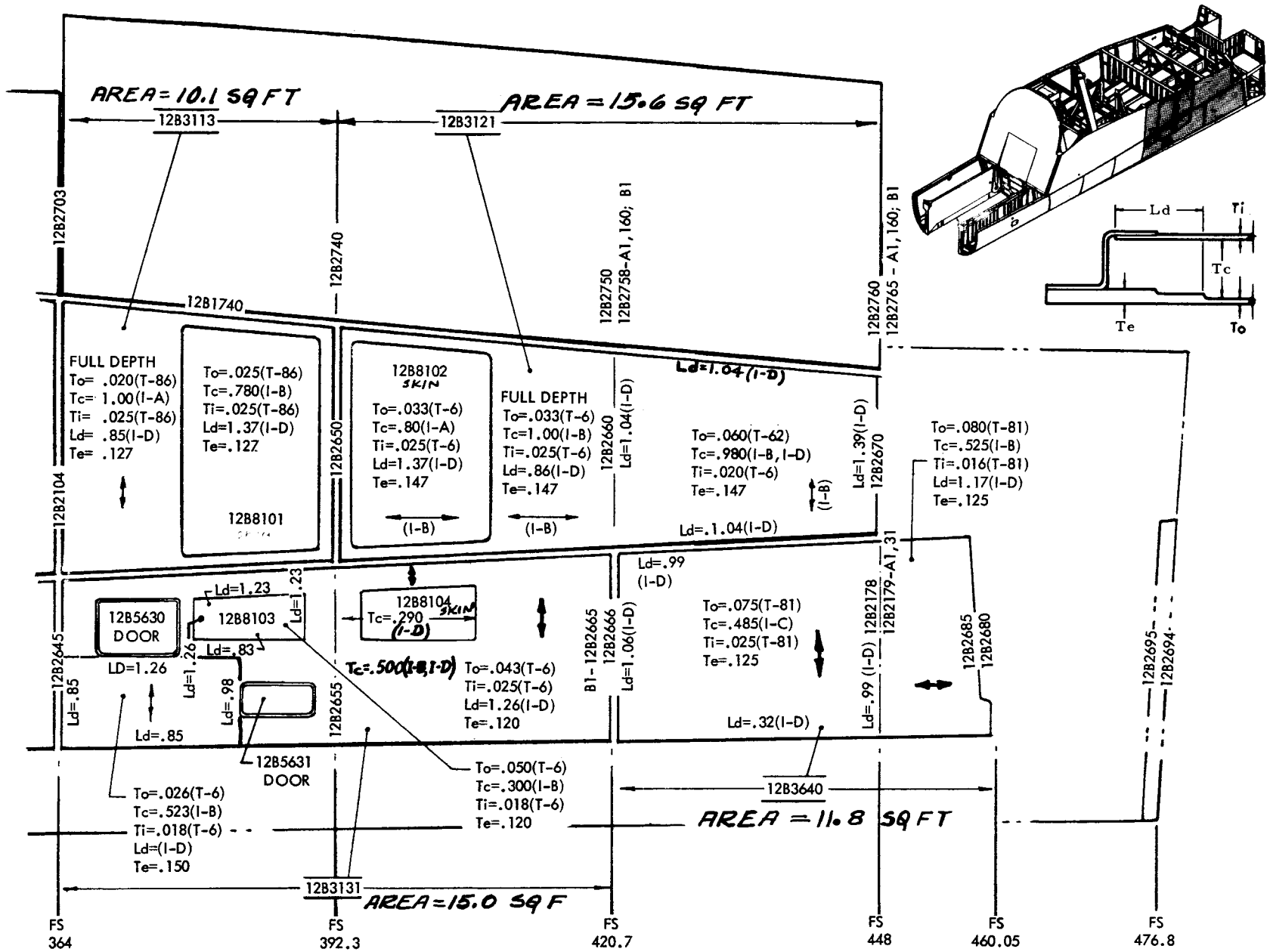
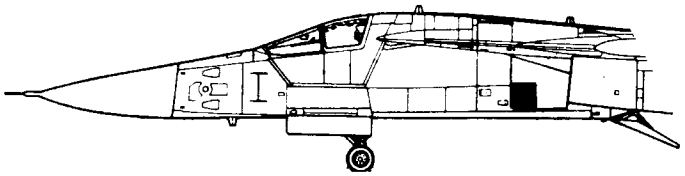
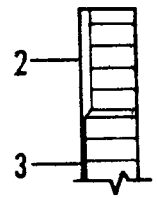


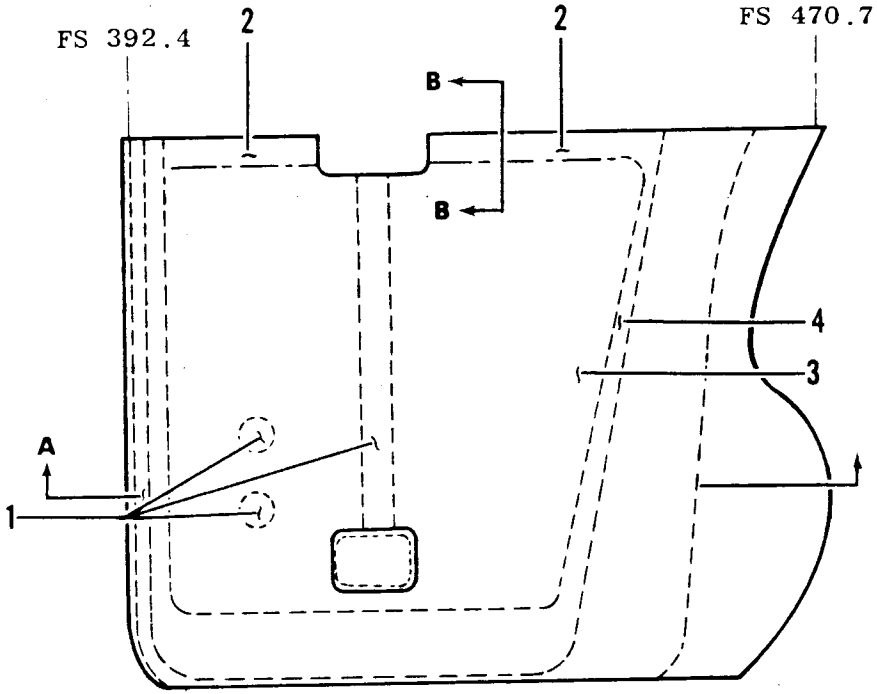
Figure 3-42 FORWARD CENTER FUSELAGE SIDE PANELS FS 364 TO 476

ST-652-155
Sht. 2 of 2

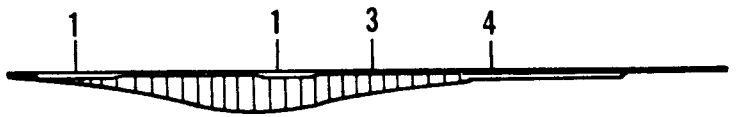




SECTION B-B



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

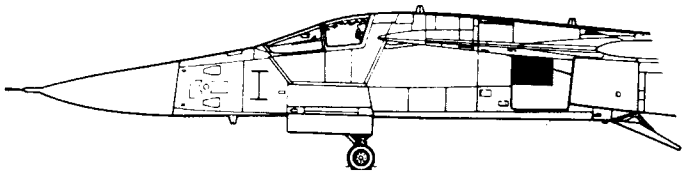


SECTION A-A

AREA = 548.0 IN²

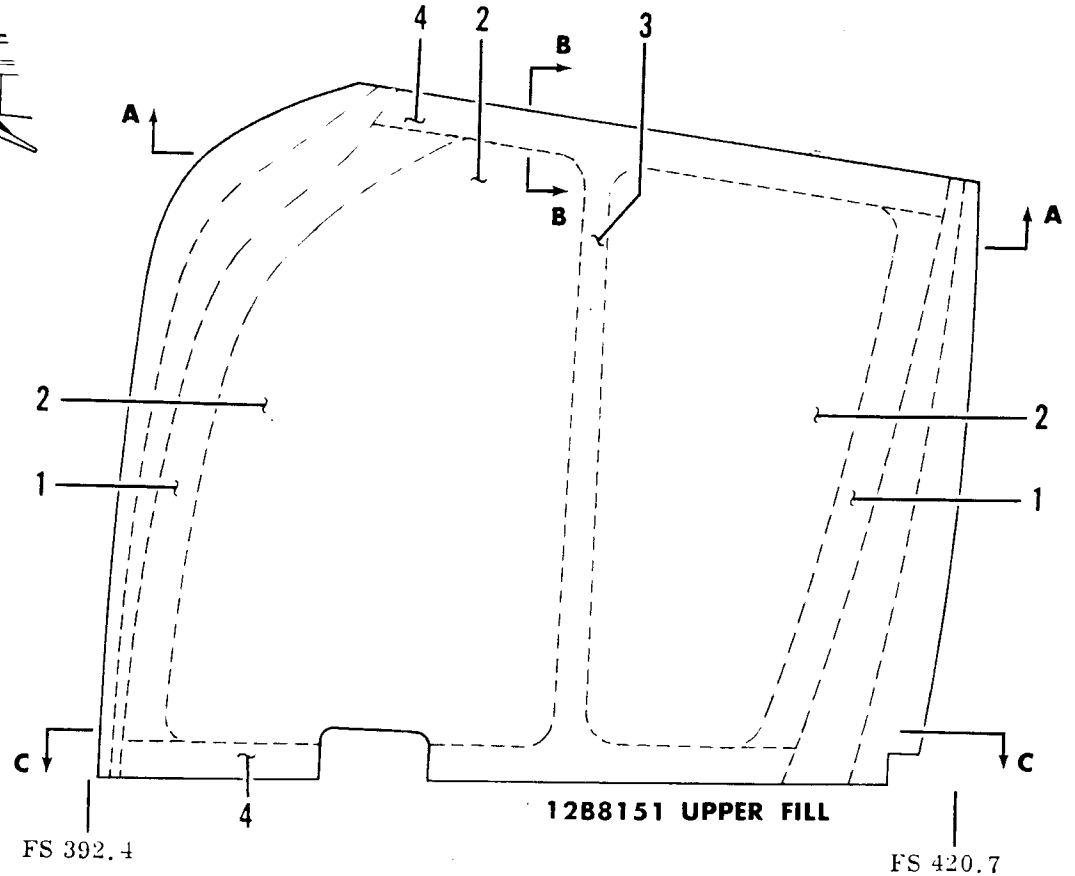
Figure 3-43 12B8156 PANEL - LOWER FILL F-111E/ F-111A

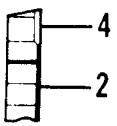
ST-652-151



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

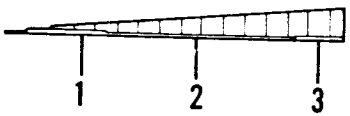
AREA = 578.0 IN²





SECTION B-B

SECTION A-A





SECTION C-C

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

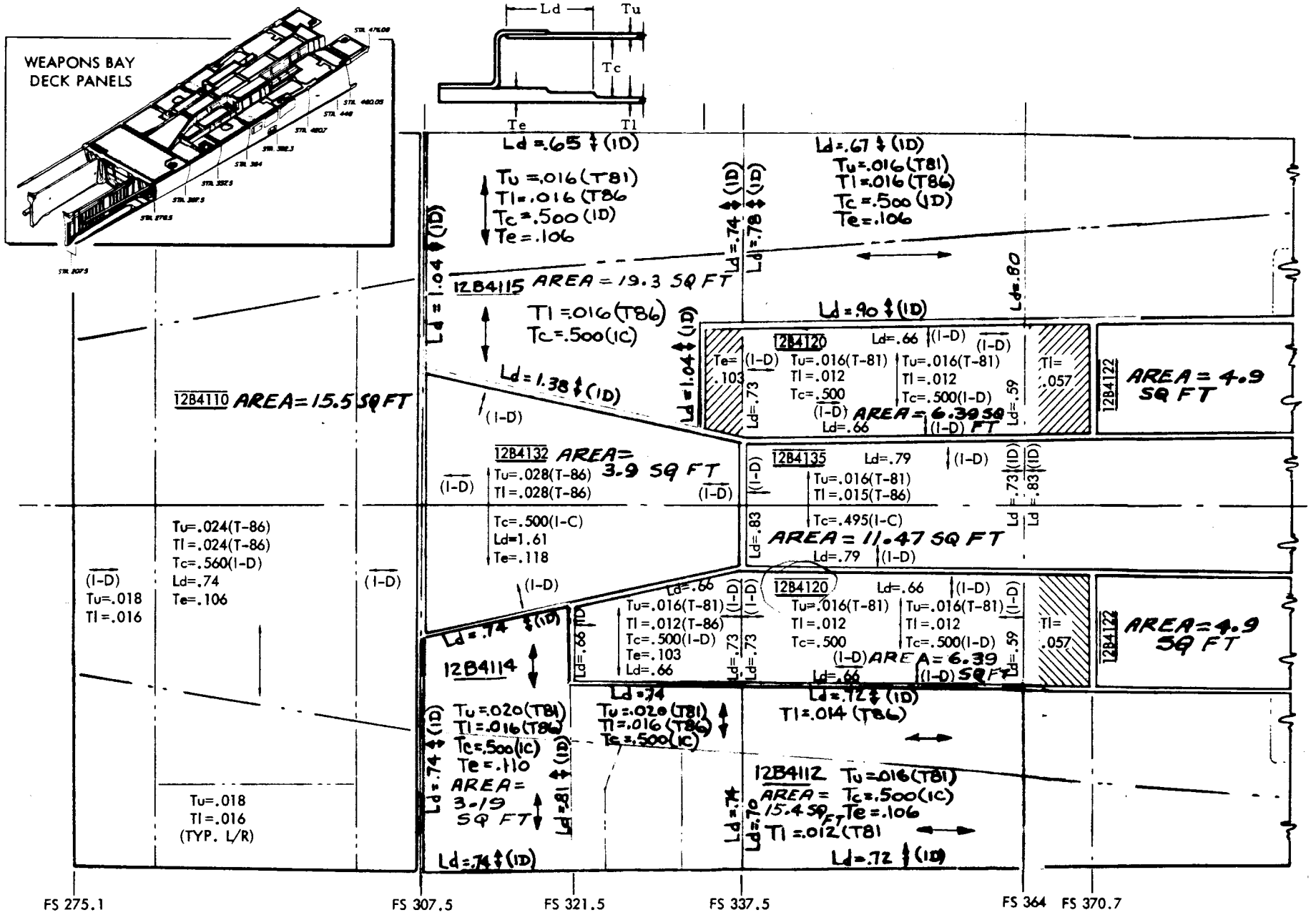


Figure 3-45 F-111A WEAPONS BAY DECK PANELS - FS 275.1-370.7

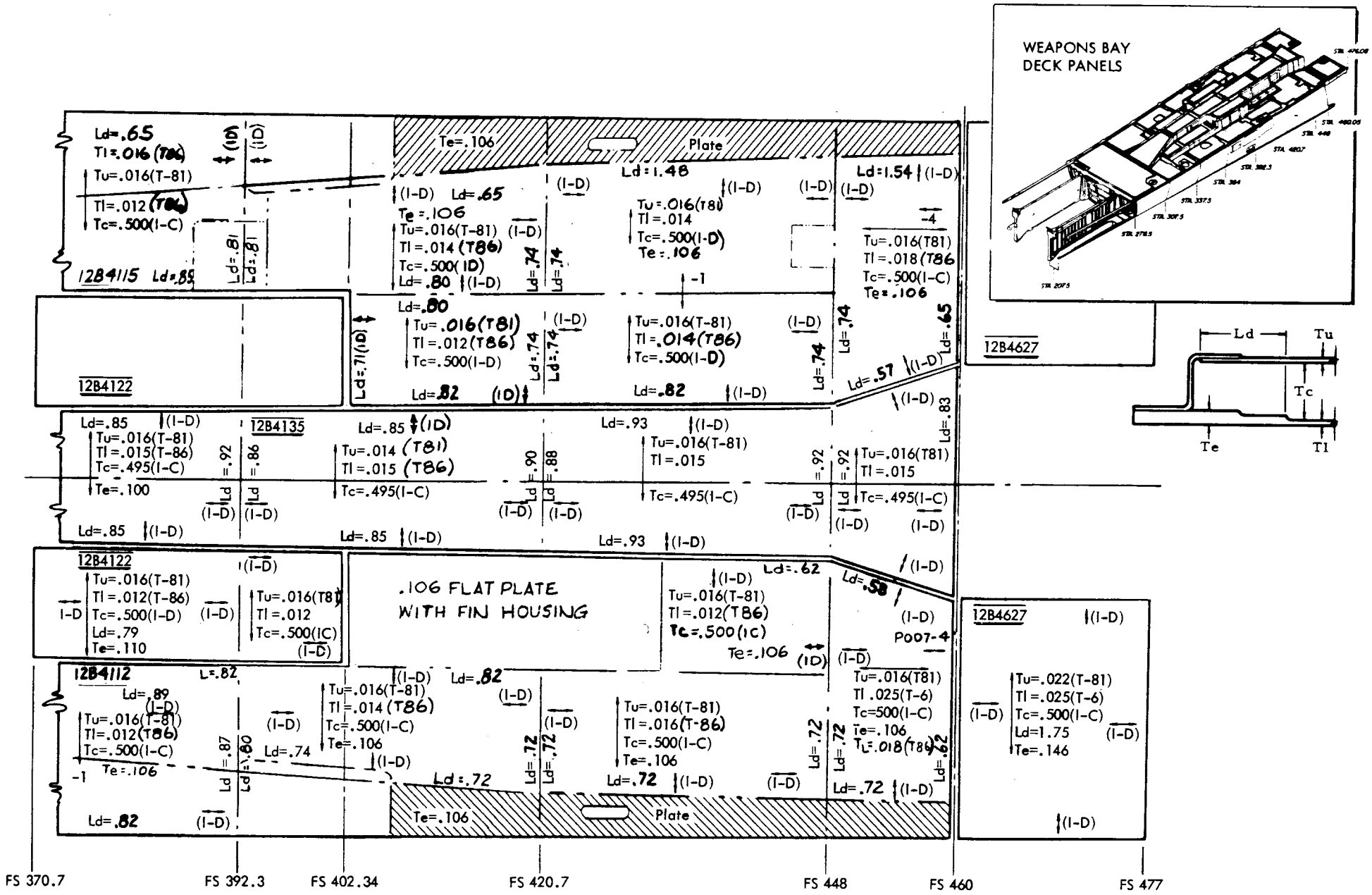


Figure 3-46 F-111A WEAPONS BAY DECK PANELS - FS 370.7-FS 477

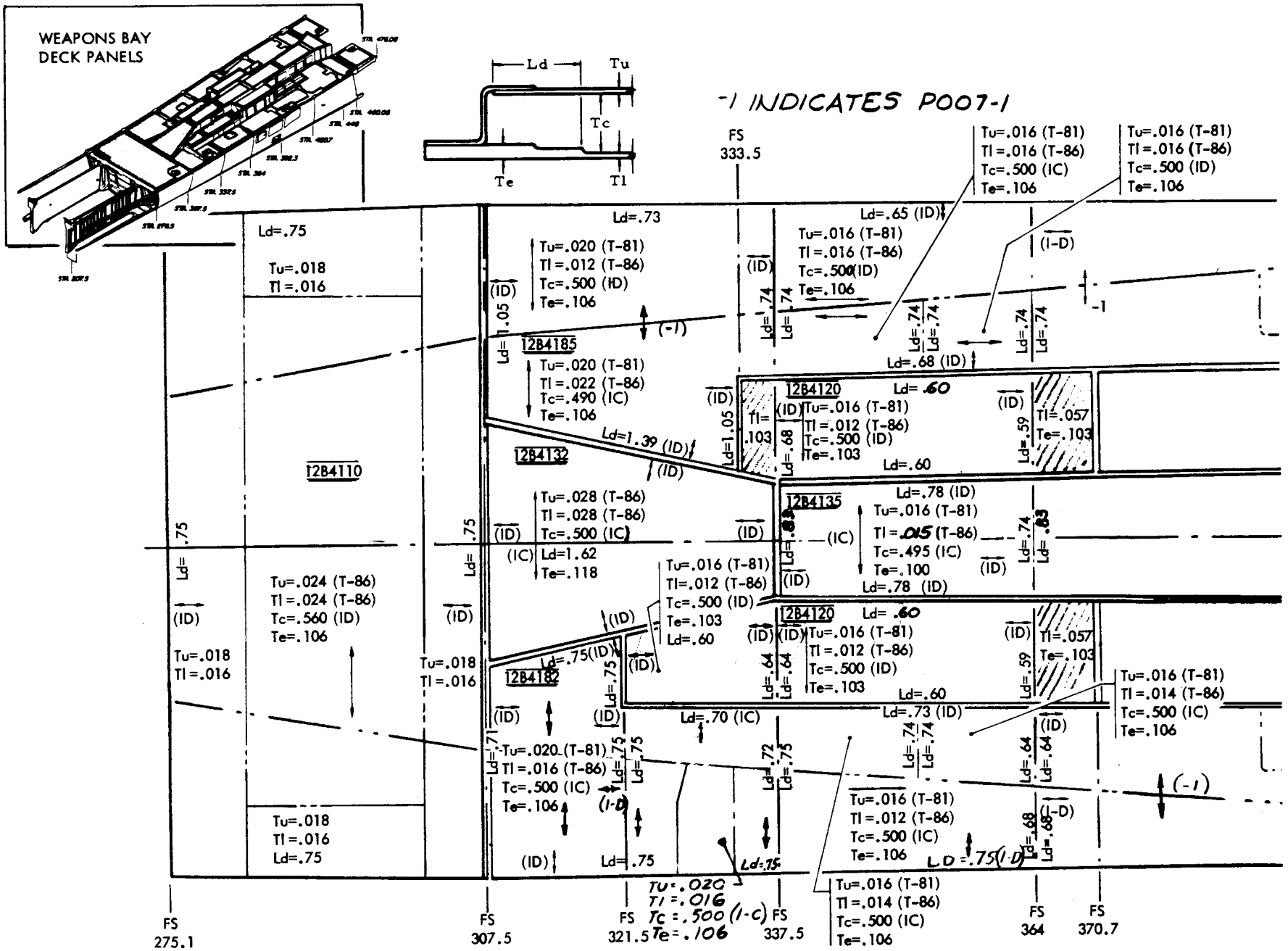


Figure 3-47 F-111E/FB-111 WEAPONS BAY DECK PANELS - FS 370.7-FS 477

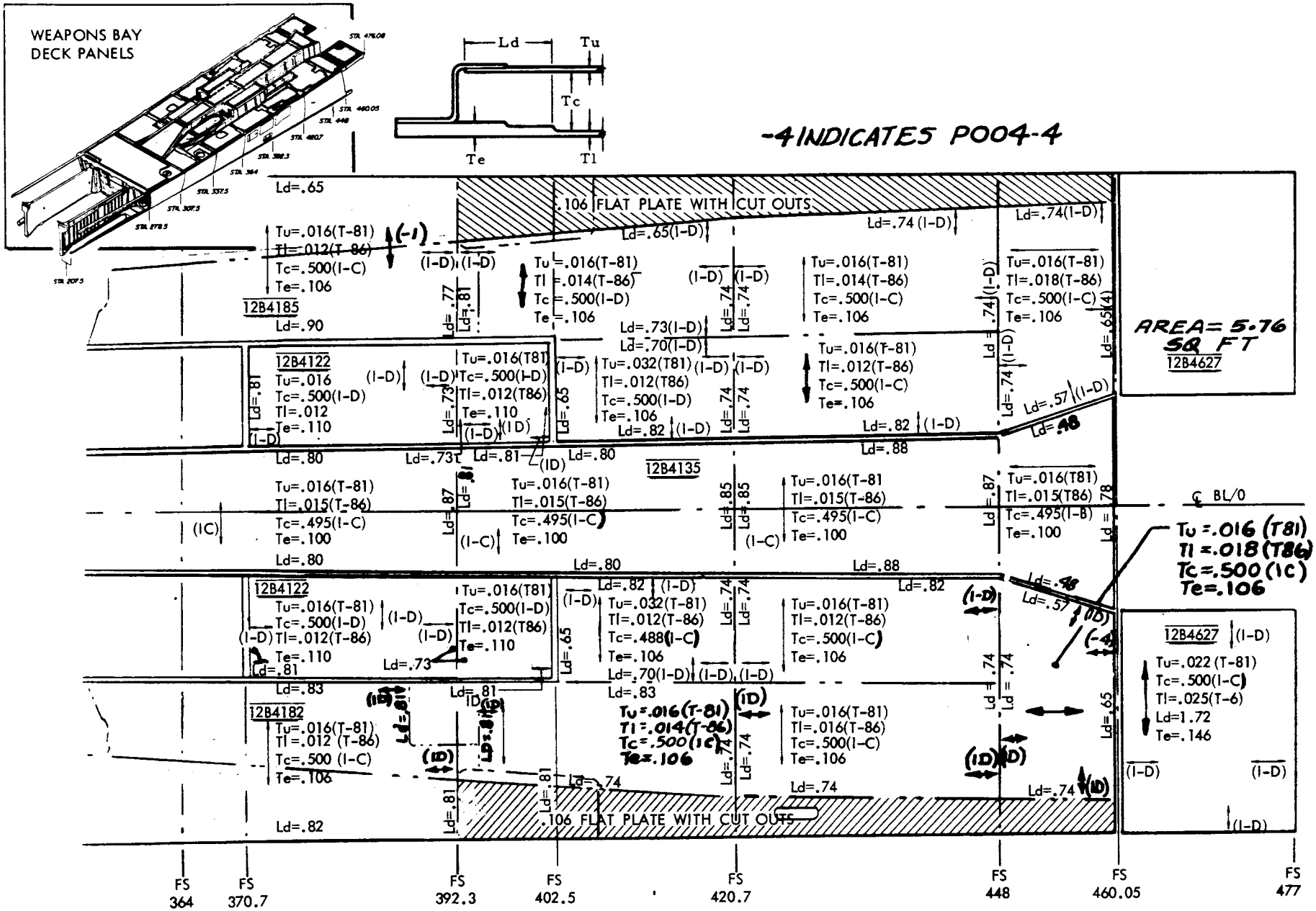


Figure 3-48 F-111E/FB-111 WEAPONS BAY DECK PANELS - FS 375.1 - 370.7

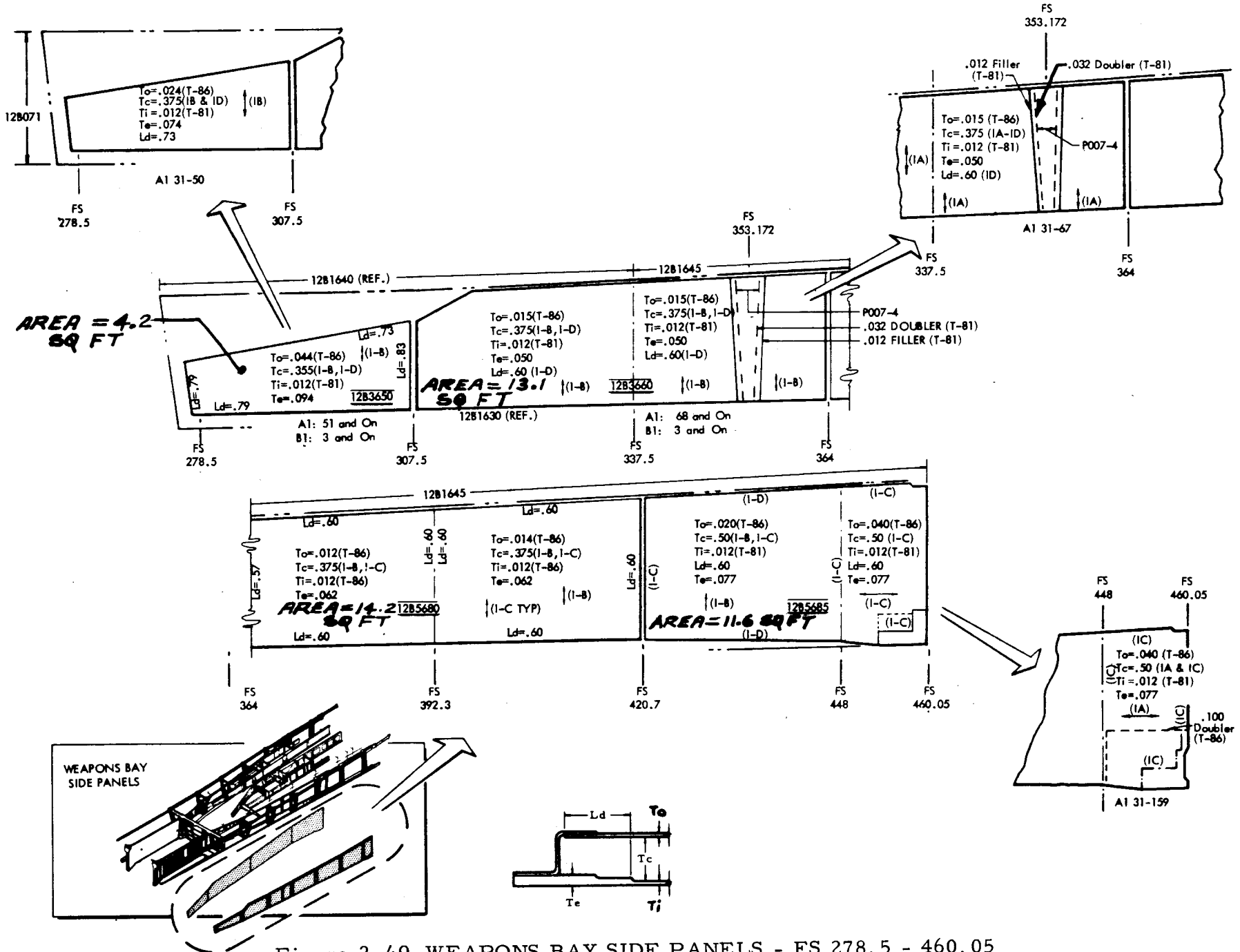
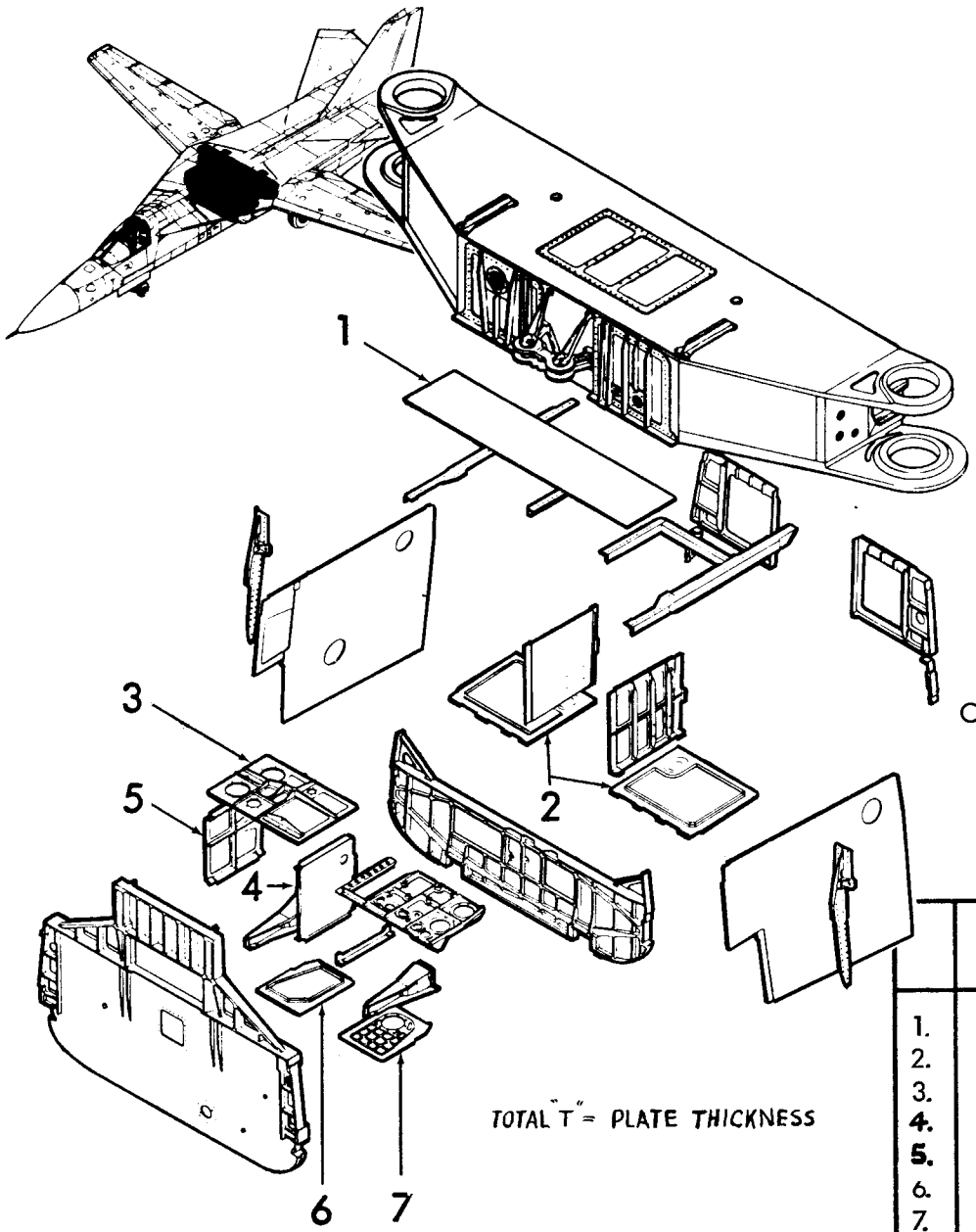
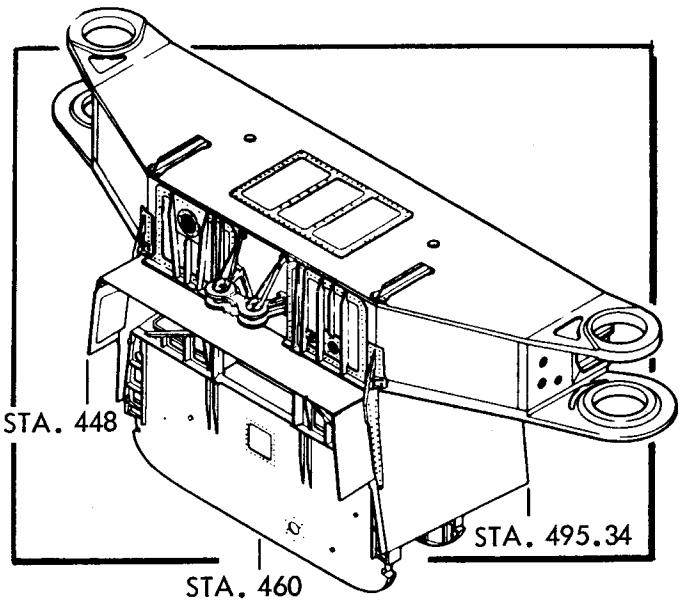
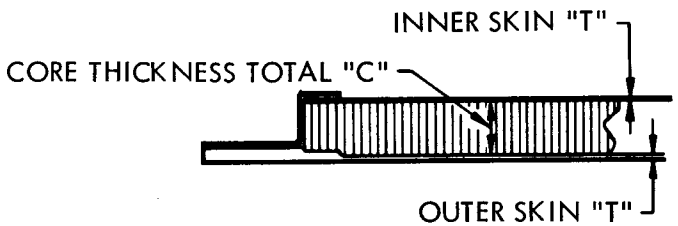


Figure 3-49 WEAPONS BAY SIDE PANELS - FS 278.5 - 460.05







	PART NUMBER	OUTER "T"	INNER "T"	TOTAL "C"	SIZE	TOTAL "T"
1.	12B4150	.012	.080	.500	12" x 65"	
2.	12B4627	.012	.016	.500	19" x 22"	
3.	12B3670			1-3/4"	16" x 25"	1 3/4
4.	12B3676			1-1/2"	16" x 16"	1 1/2
5.	12B3673			2-1/8"	16" x 17"	2 1/3
6.	12B3681	.020	.012	.400	12" x 16"	
7.	12B3682			.280	12" x 16"	.280

Figure 3-50 FORWARD CENTER FUSELAGE AFT TANK SUBASSEMBLY

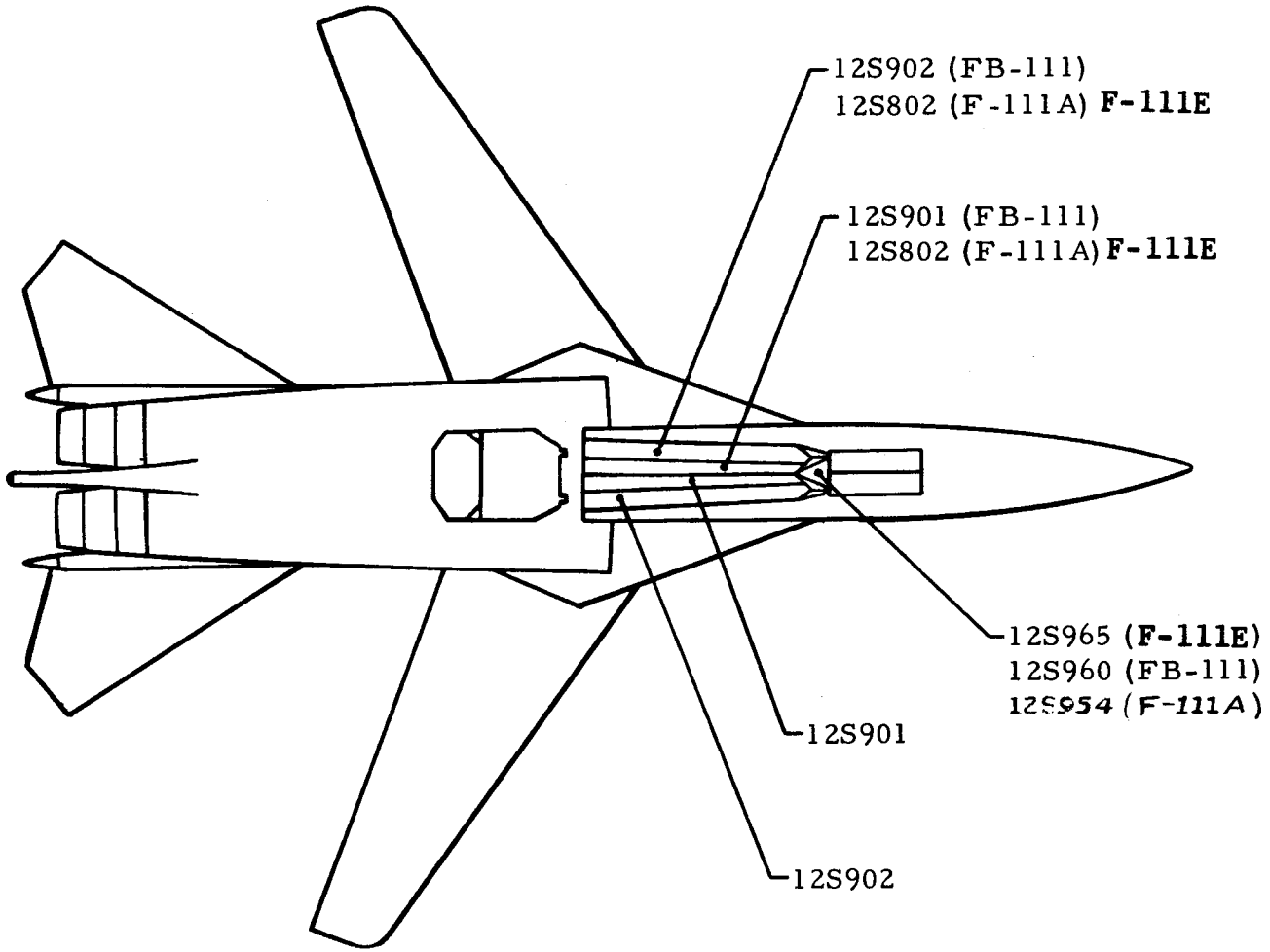


Figure 3-51 WEAPONS BAY DOORS

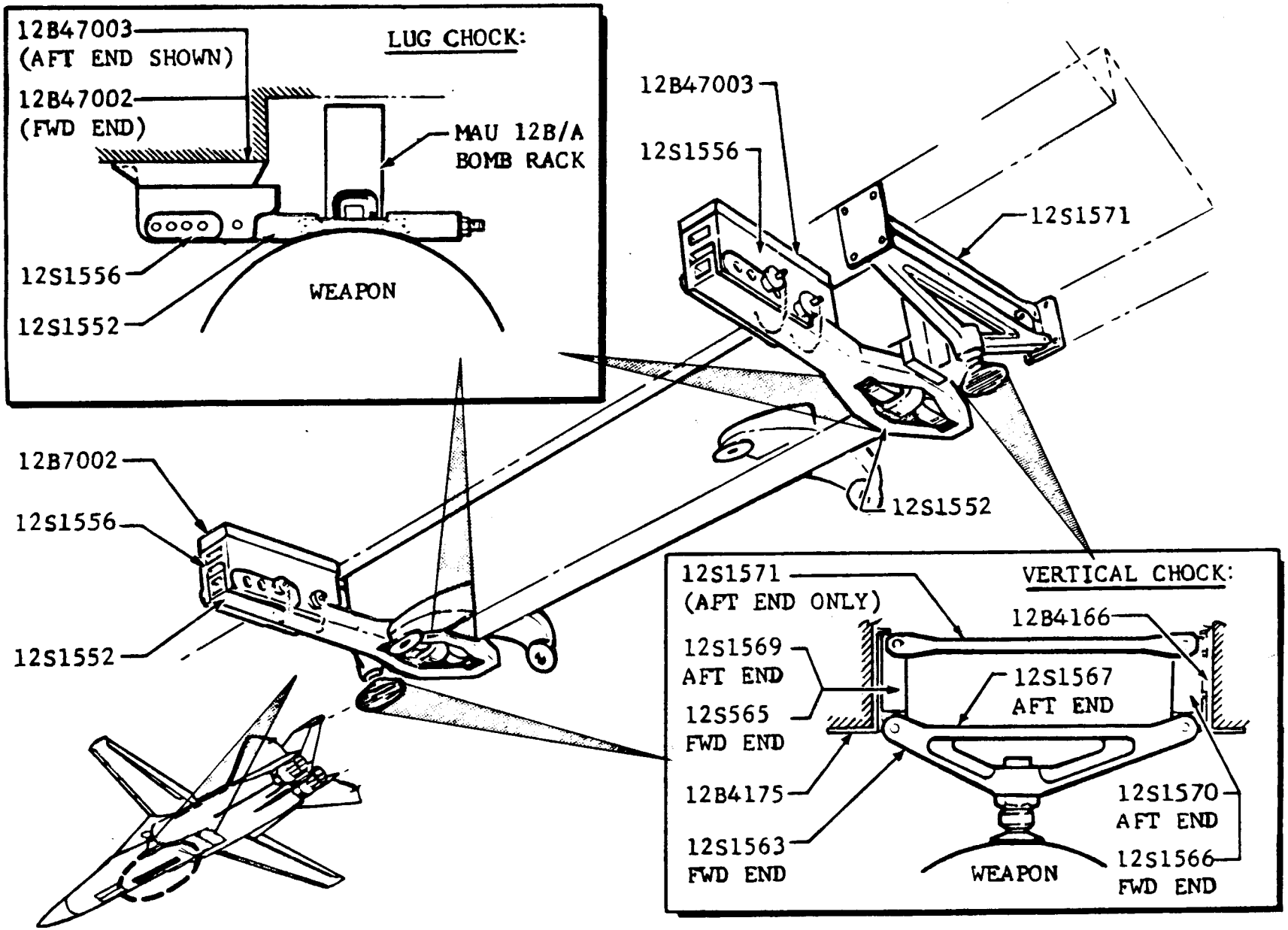
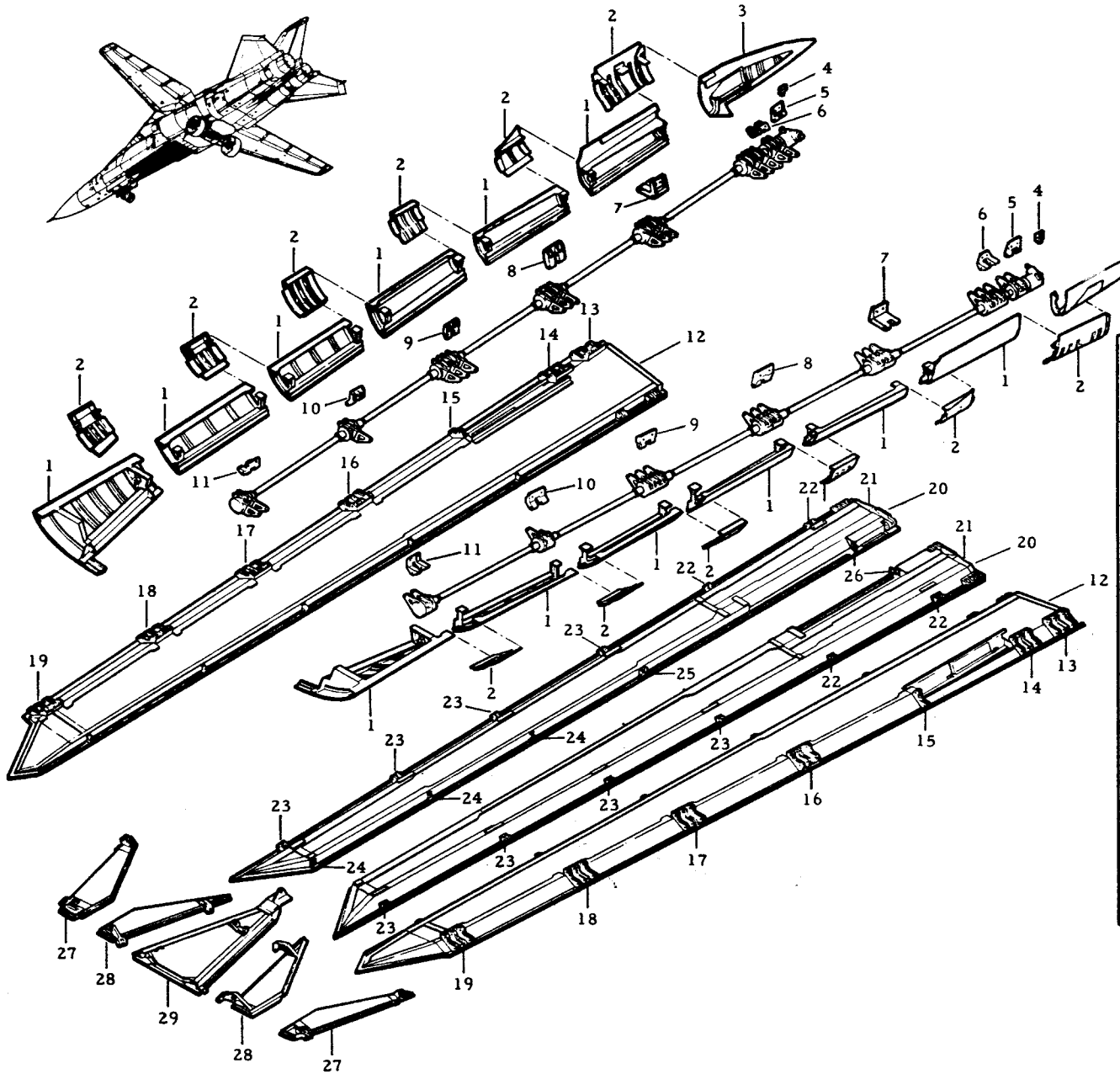


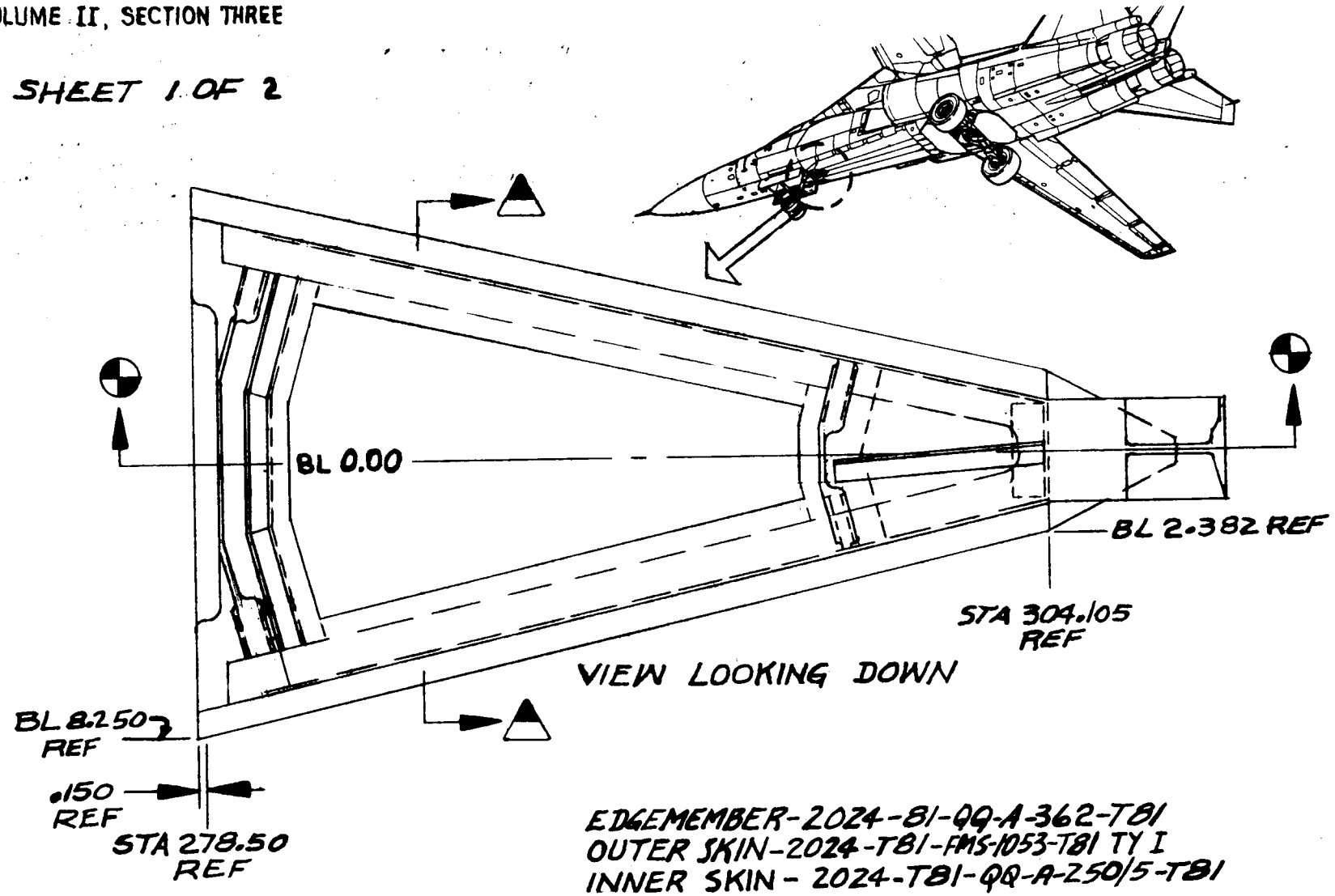
FIGURE 3-51A FB-111A WEAPONS BAY LUG CHOCK FITTINGS



1.	12S903	Fairing Assemblies
2.	12S932	Seal Assemblies
3.	12M635	Fixed Fairing Assy
4.	12B8387	Support, Gear Box
5.	12B8396	Support Hinge
6.	12B8379	Support Hinge
7.	12B8368	Support
8.	12B8356	Support Hinge
9.	12B8346	Support Hinge
10.	12B8336	Support Hinge
11.	12B8326	Support Hinge
12.	12S902	Door Assembly
13.	12M648	Frame
14.	12M647	Frame
15.	12S907	Frame
16.	12M645	Frame
17.	12M644	Frame
18.	12M643	Frame
19.	12M642	Frame
20.	12S901	Door Assembly
21.	12M621	Frame
22.	12M622	Frame
23.	12M620	Frame
24.	12M652	Socket Stop (RH)
	12M651	Socket Stop (LH)
25.	12S874	Socket Stop (LH)
	12M653	Socket Stop (RH)
26.	12S875	Socket Stop (LH)
	12M653	Socket Stop (RH)
27.	12S911	Door Assy.
28.	12S912	Door Assy.
29.	12S954	Skin Instl.(F-111A: A1 19-83)
	12S960	Skin Instl.(F-111A: A1 84-159) (FB-111A: B1 3-On)
	12S965	Skin Instl.(F-111A: A1 160-On)

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

SHEET 1 OF 2



F-111A
FIGURE 3-53 125954 - SKIN INSTALLATION - BONDED, CENTER WEAPONS BAY, FORWARD

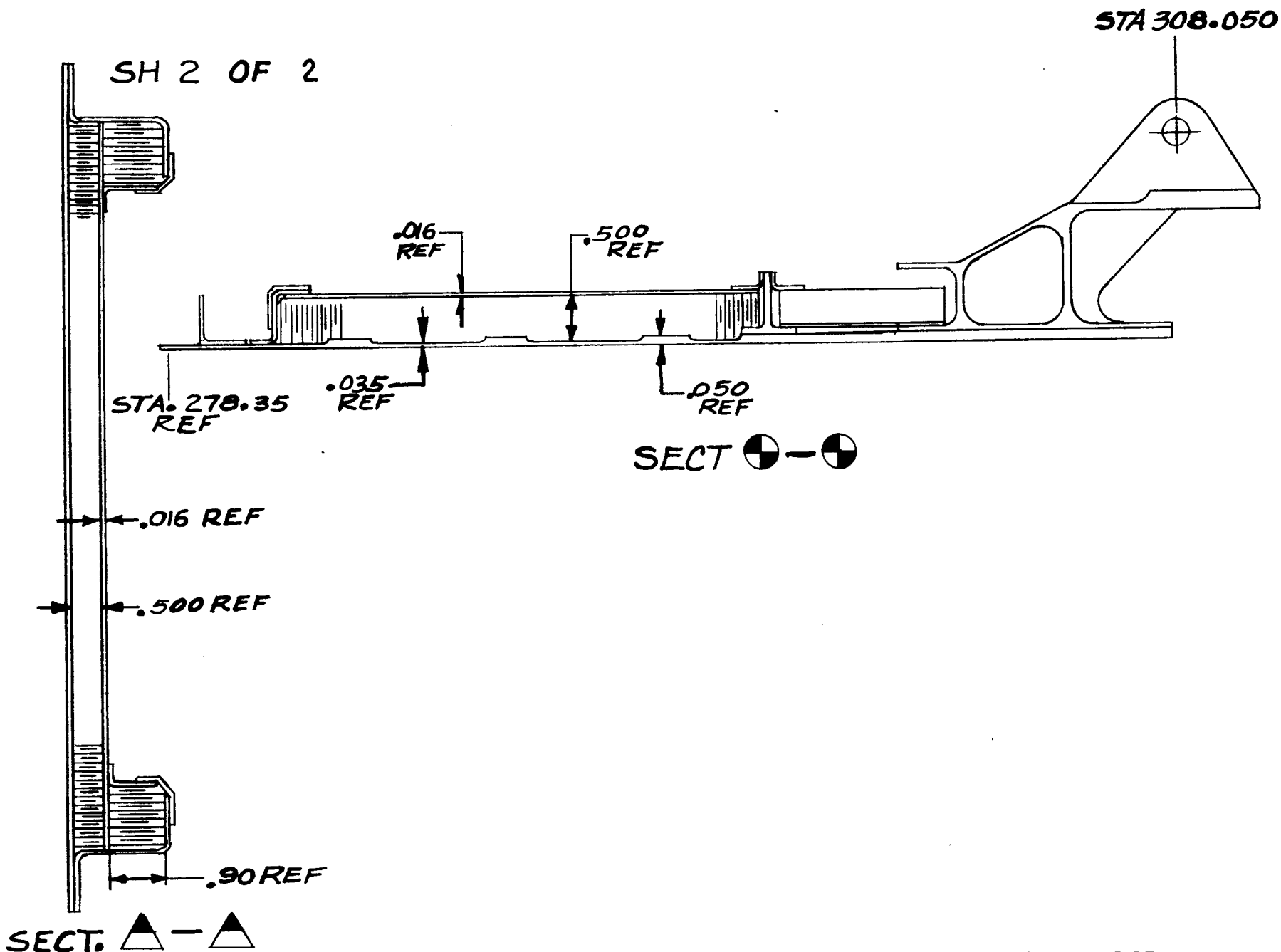
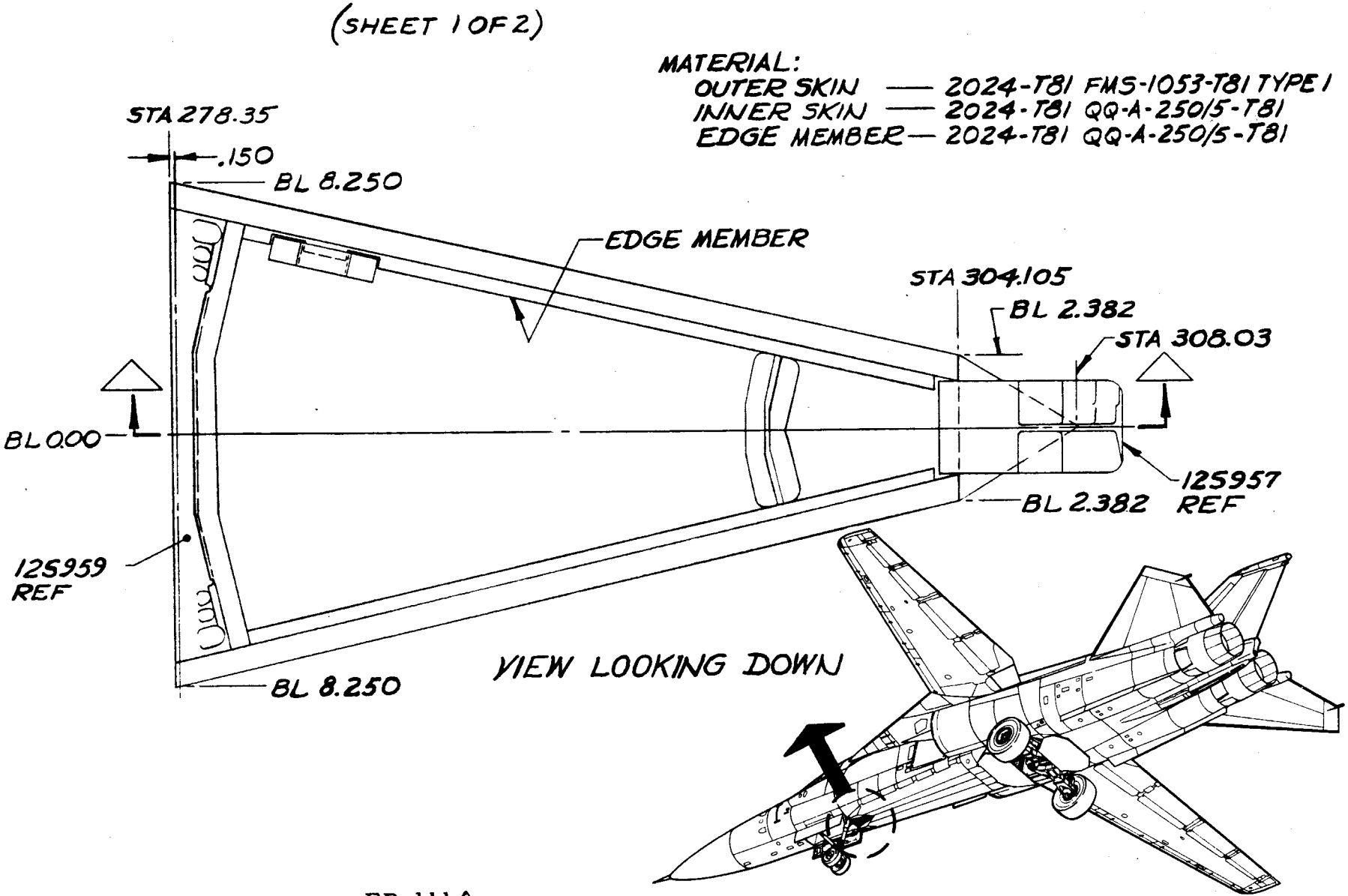
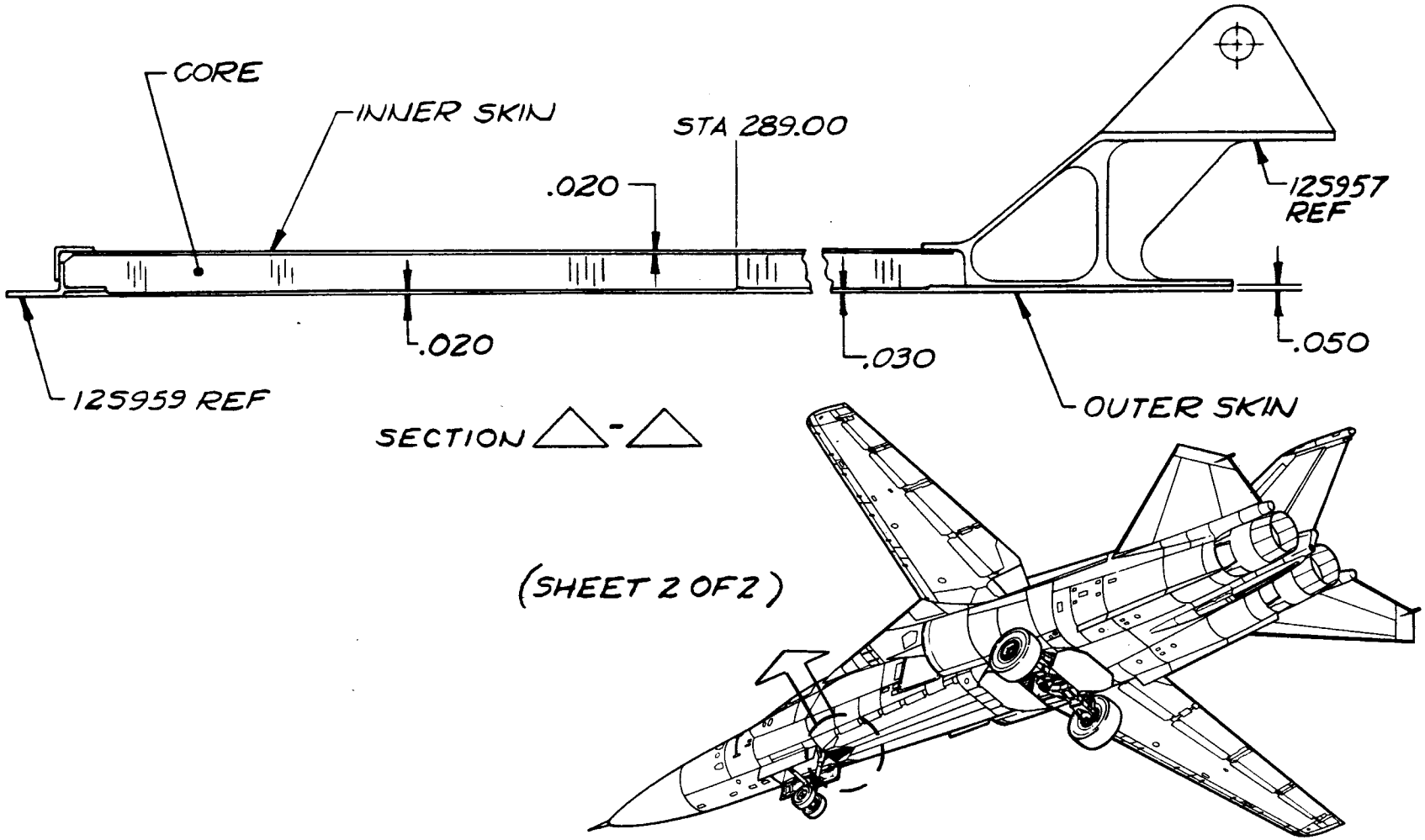


FIGURE 3-54 F-111A-125954-SKIN INSTALLATION-BONDED, CENTER, WEAPONS BAY, FWD



FB-111A

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



FB-111A

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

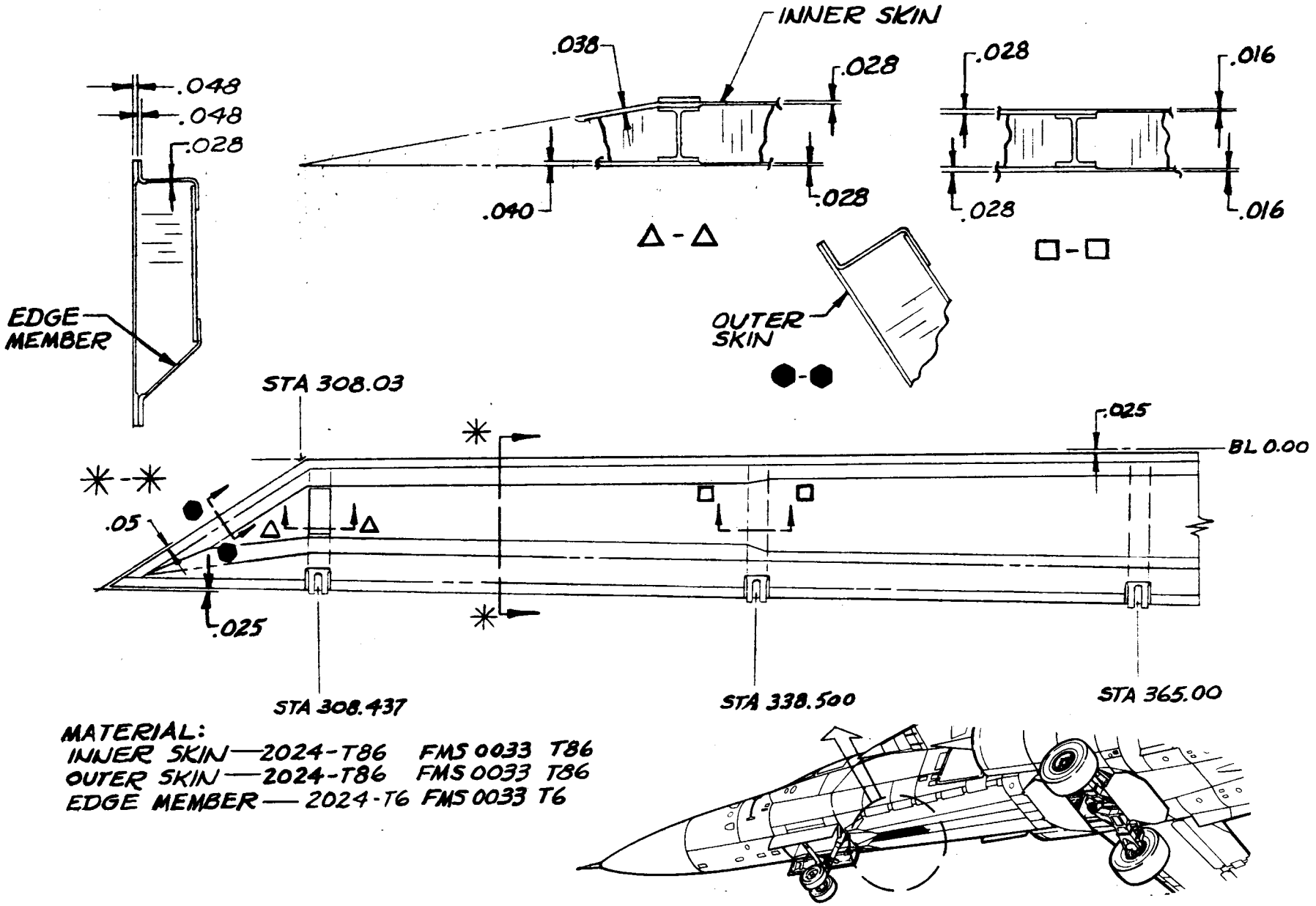


Figure 3-57 12S901 DOOR, LOWER - WEAPONS BAY, ASSEMBLY OF (FWD END)

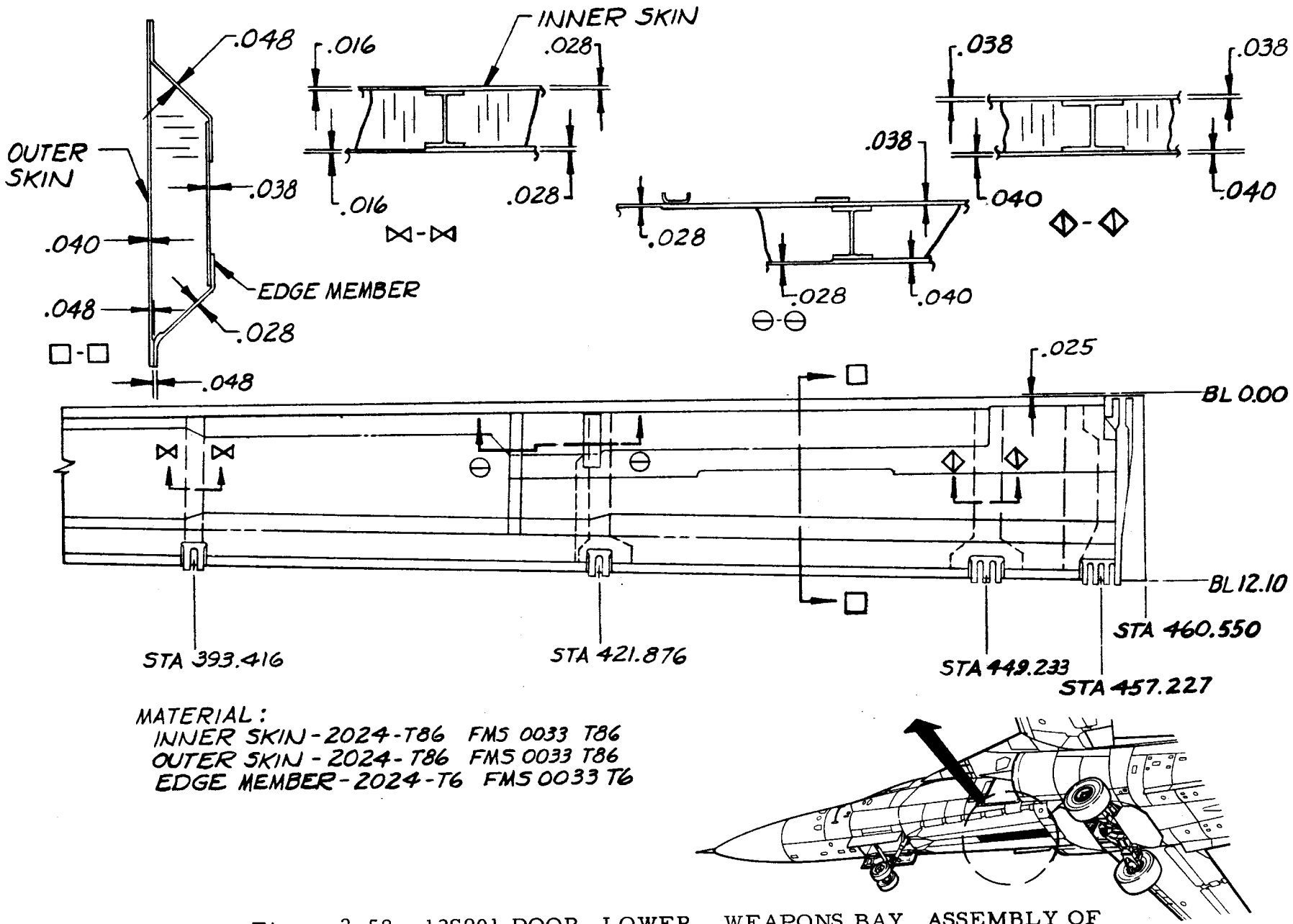


Figure 3-58 12S901 DOOR, LOWER - WEAPONS BAY, ASSEMBLY OF (AFT END)

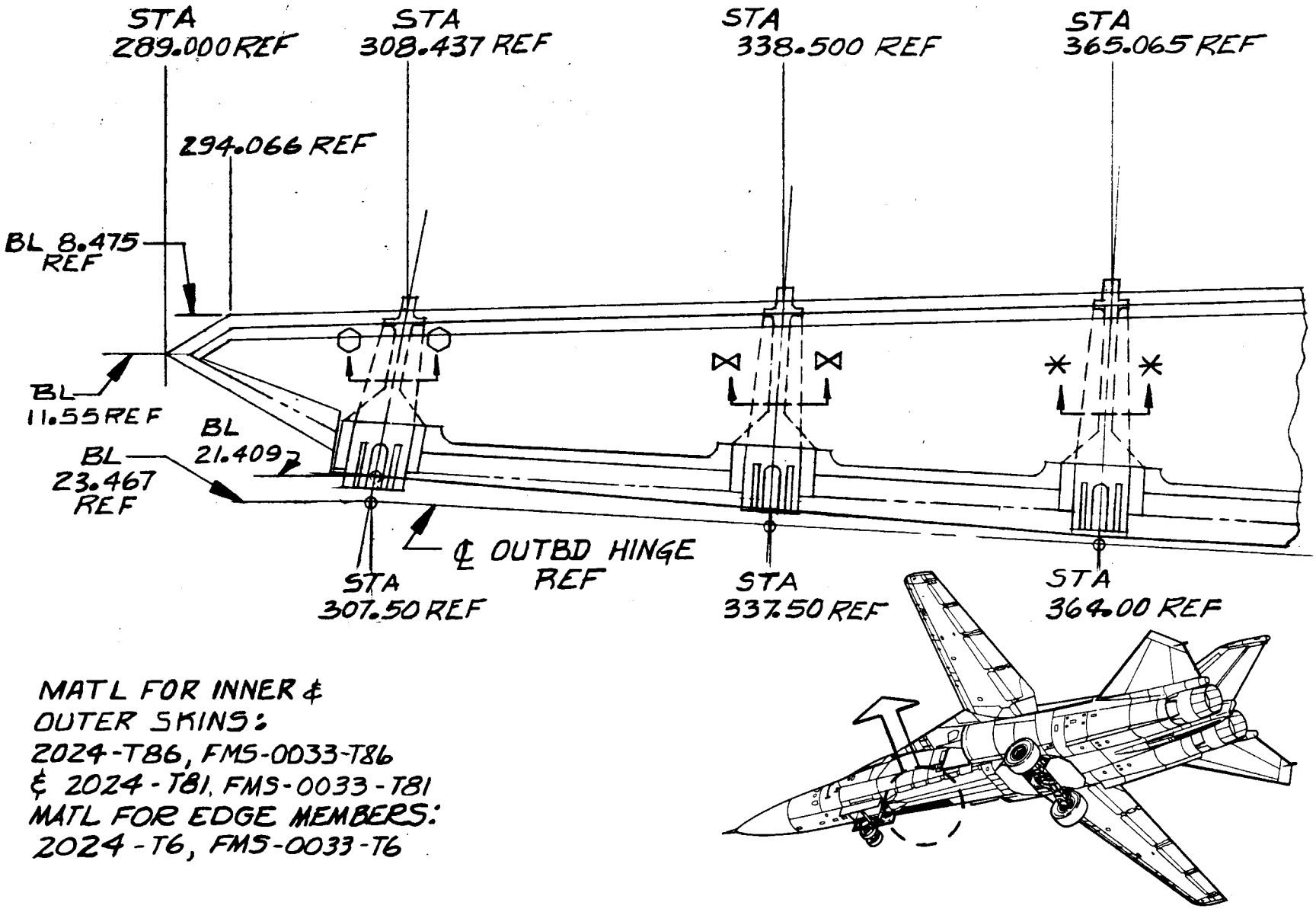


Figure 3-59 12S902 - DOOR, UPPER - WEAPONS BAY, ASSEMBLY OF, PLAN VIEW

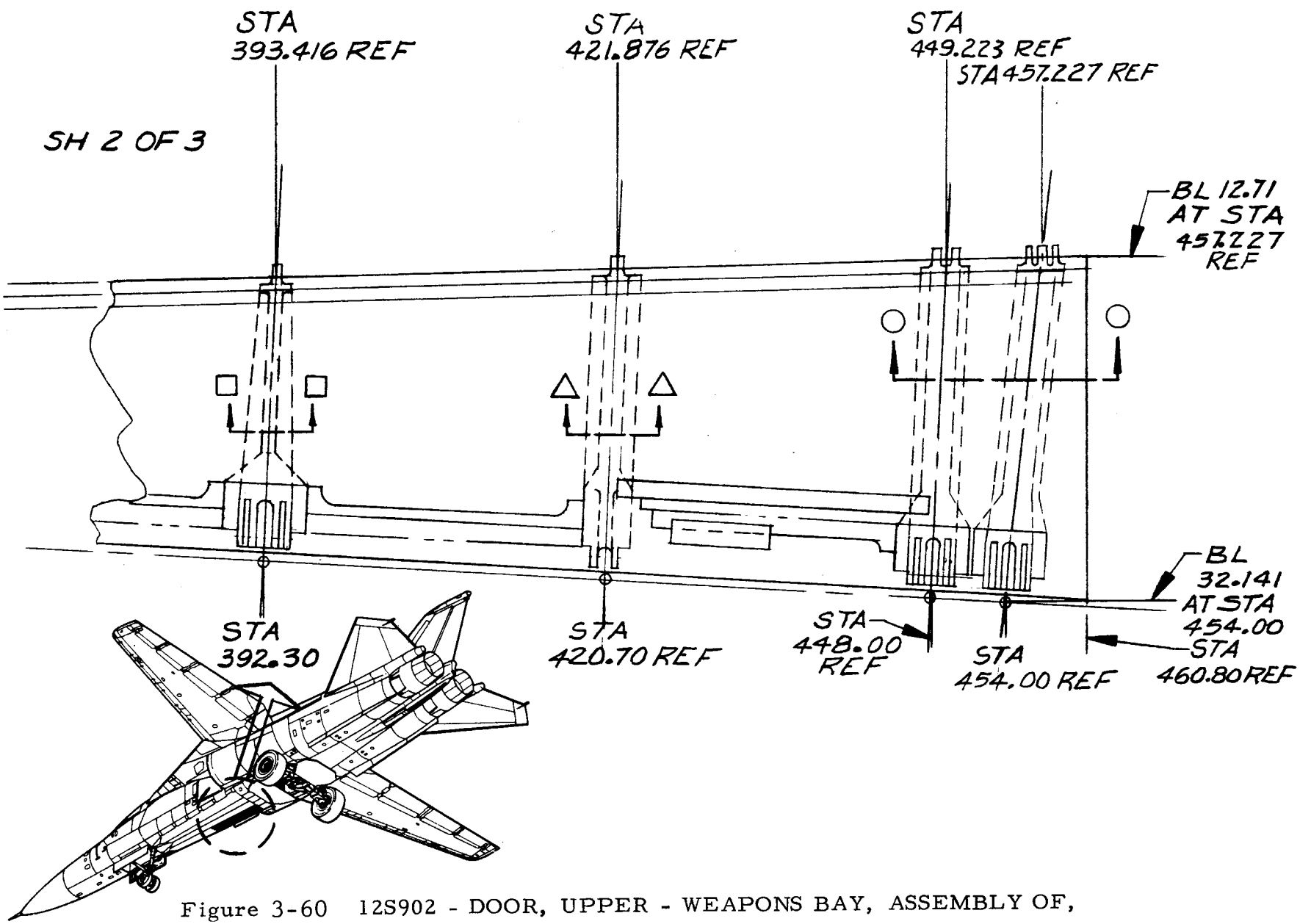


Figure 3-60 12S902 - DOOR, UPPER - WEAPONS BAY, ASSEMBLY OF, PLAN VIEW

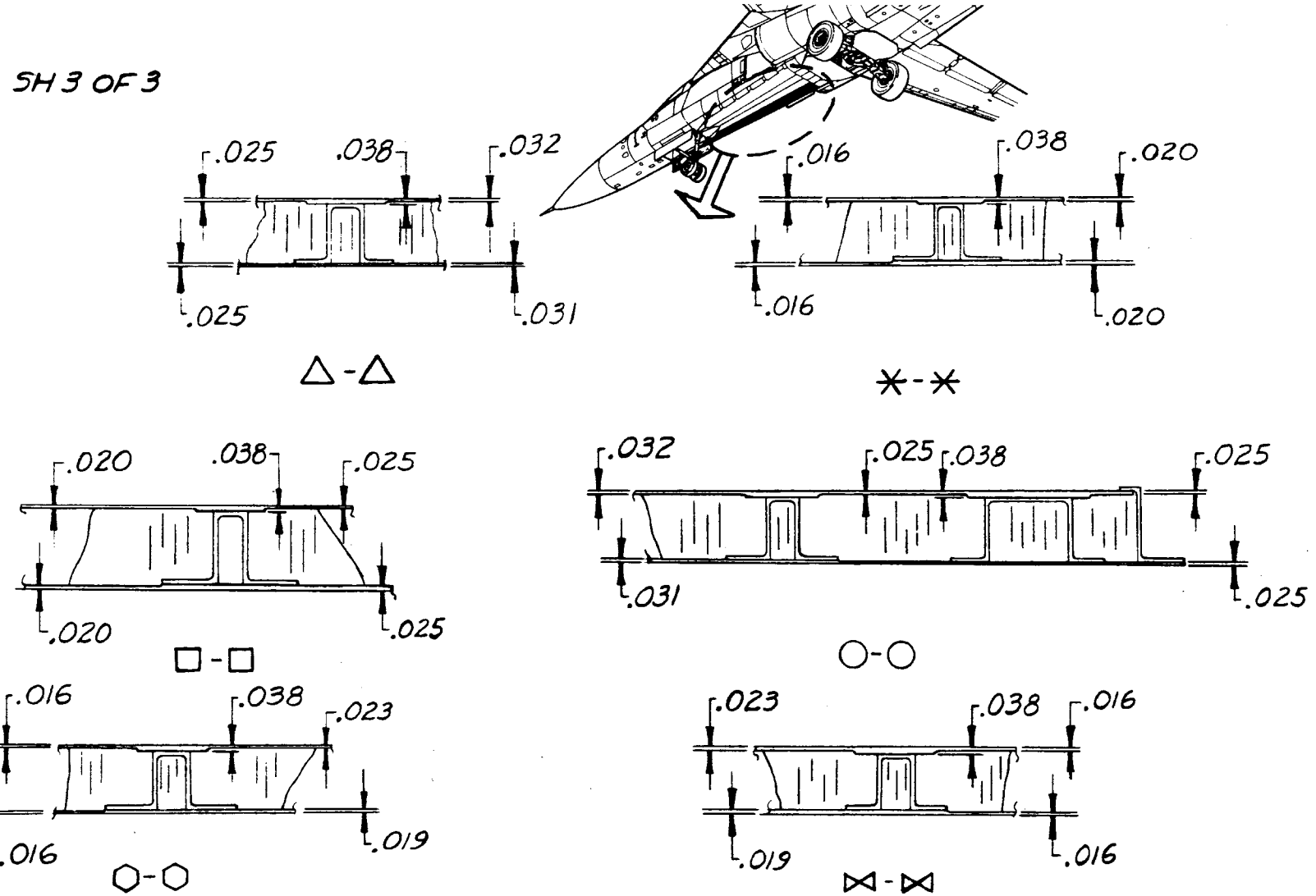
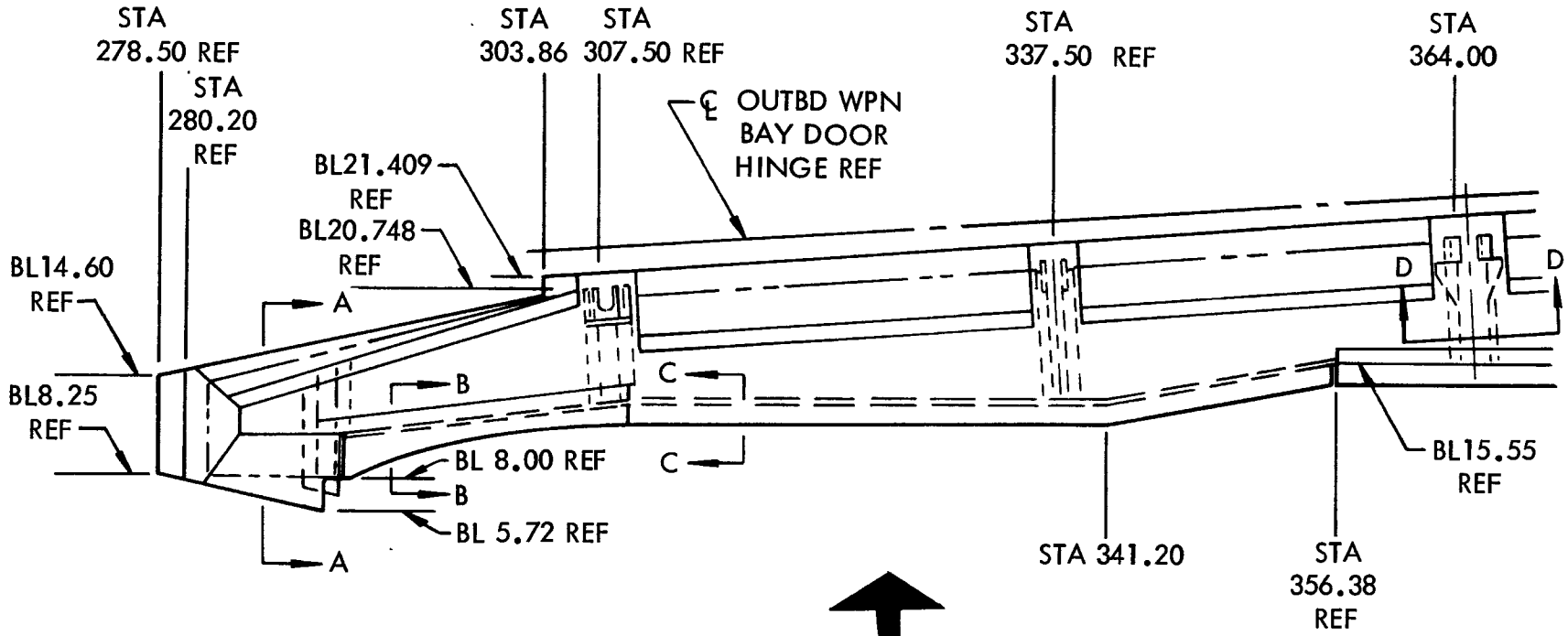
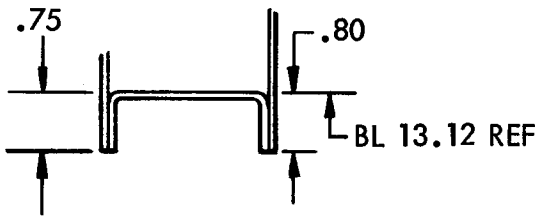
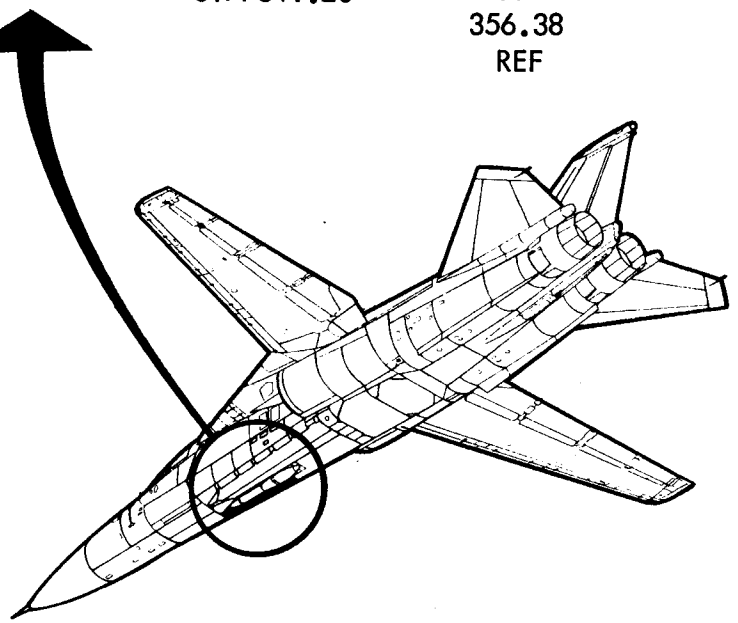


Figure 3-61 12S902 - DOOR, UPPER - WEAPONS BAY, ASSEMBLY OF PLAN VIEW





SECTION C-C



MATERIAL:

OUTER SKIN =2024-T81, QQ-A-250/5-T81.
INNER SKIN =2024-T86, QQ-A-250/5-T86.
EDGE MEMBER = 2024-T42, QQ-A-250/5-T42.

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

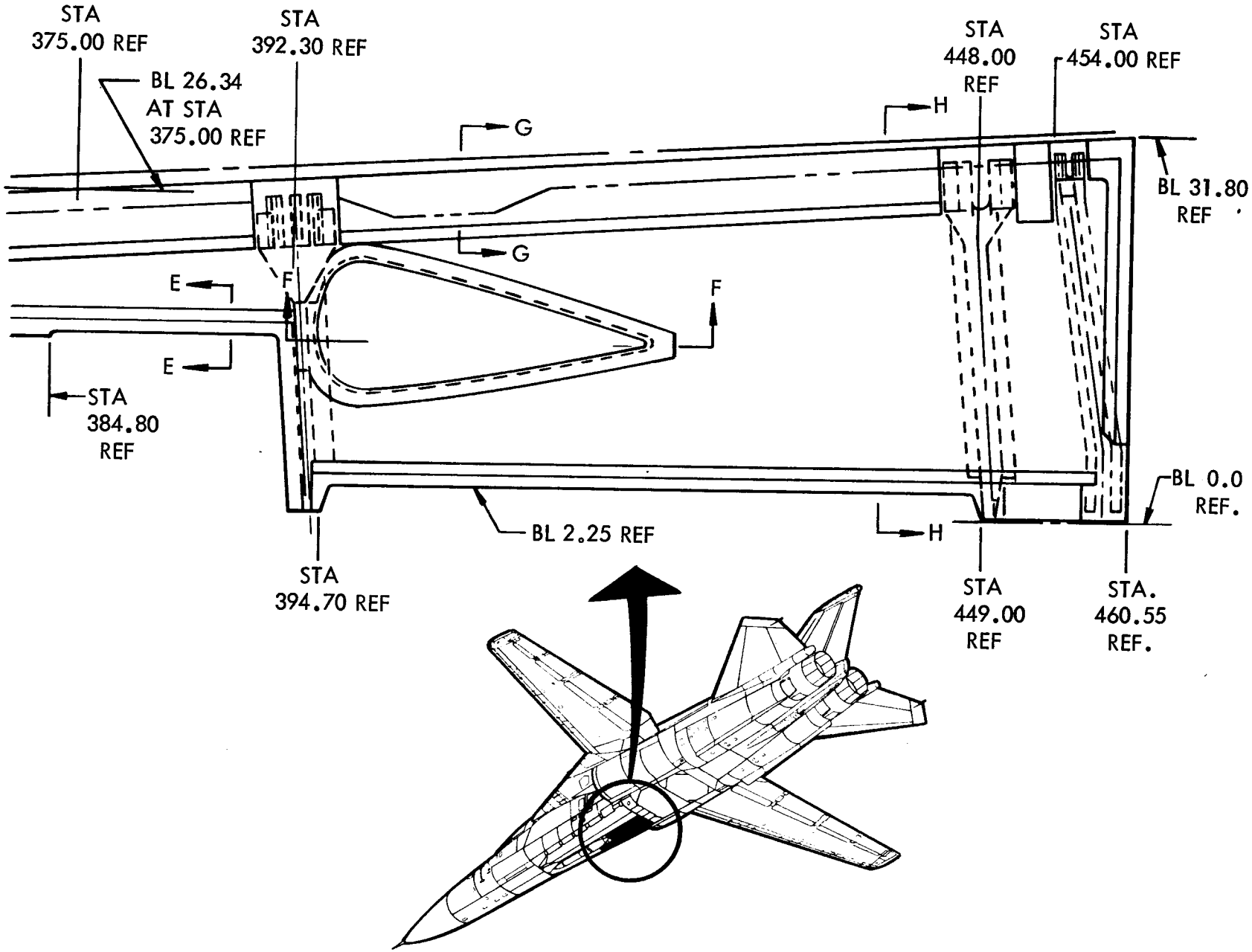


Figure 3-63 FAIRING - WEAPONS BAY GUN, ASSEMBLY OF (F-111E & F-111A)

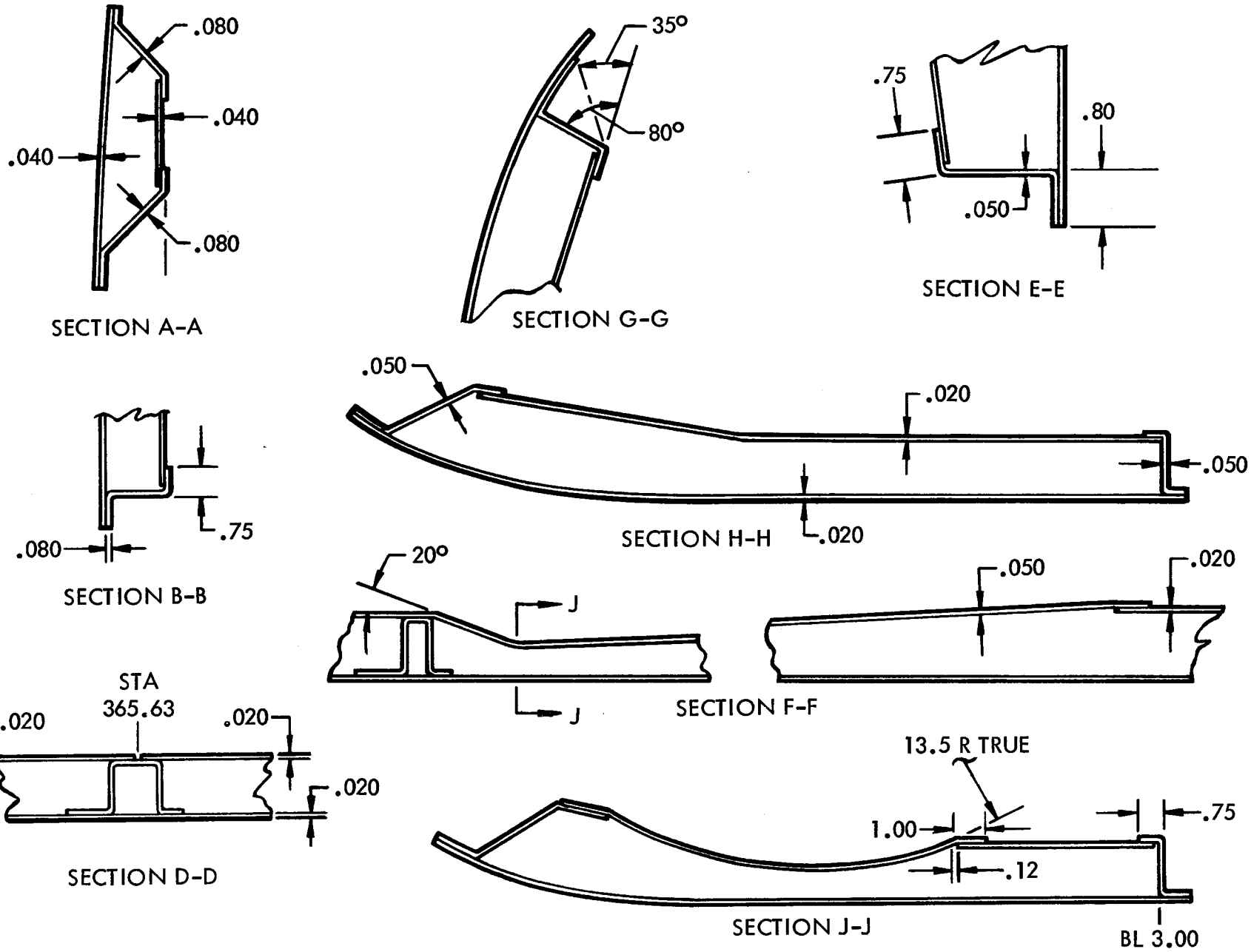
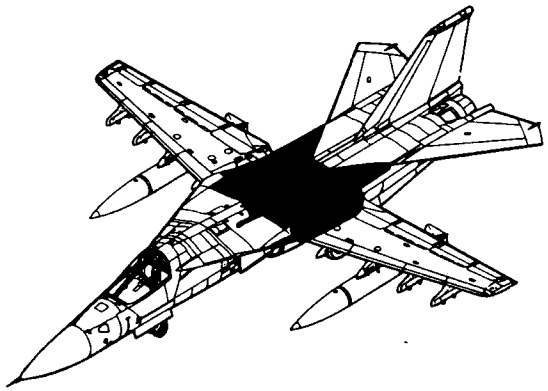
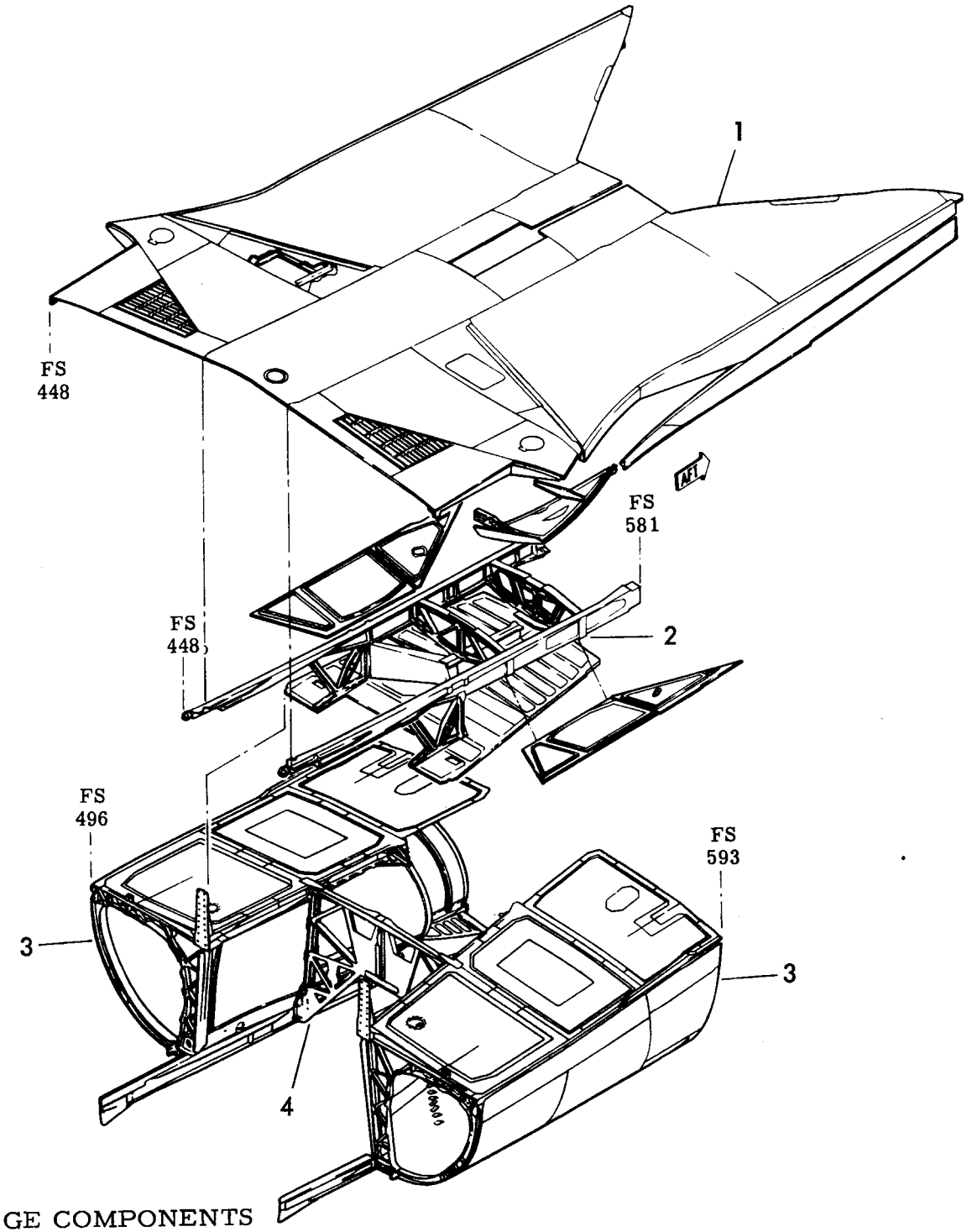


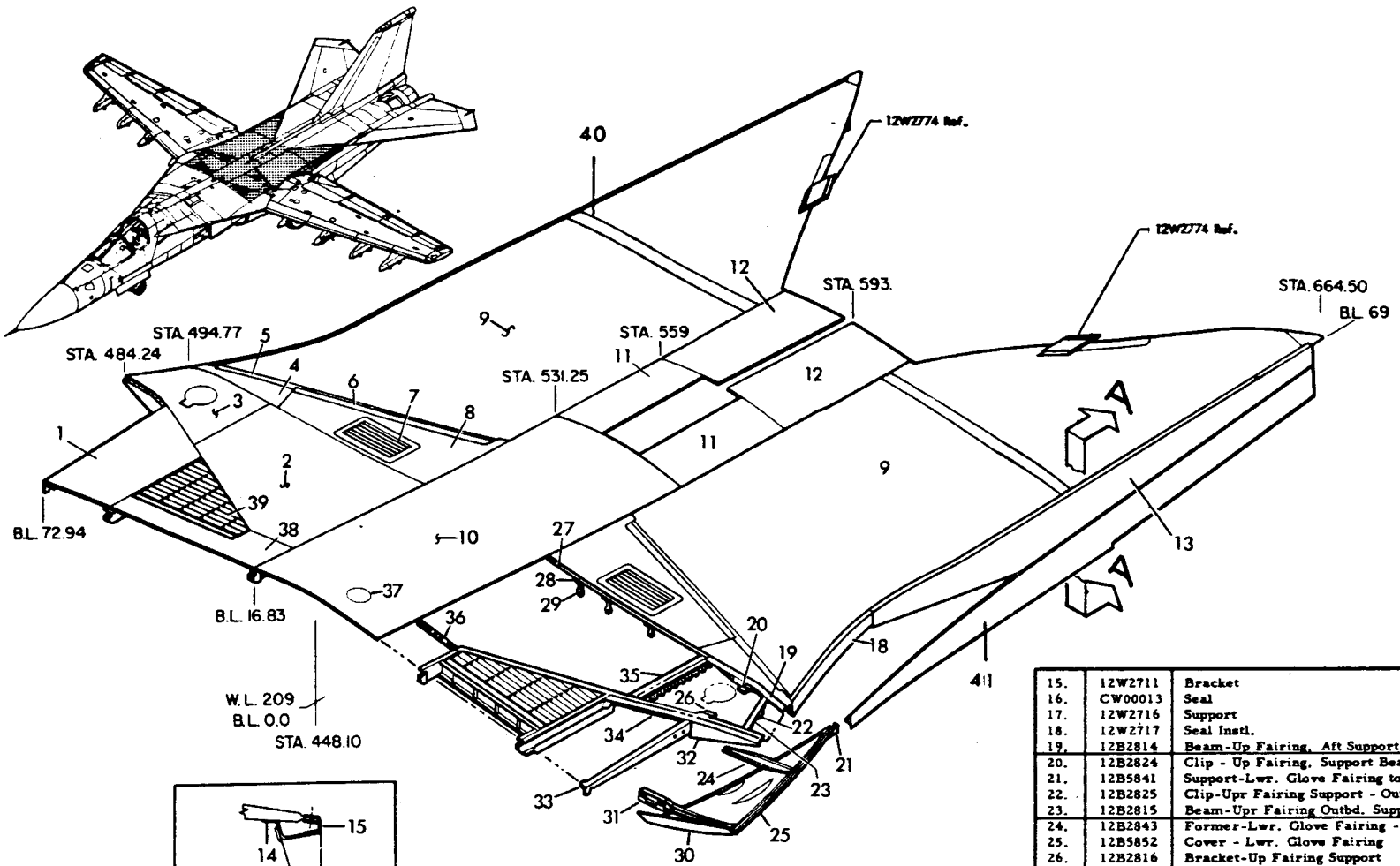
Figure 3-64 12S802 - FAIRING, WEAPONS BAY GUN, ASSEMBLY OF (F-111E & F-111A)





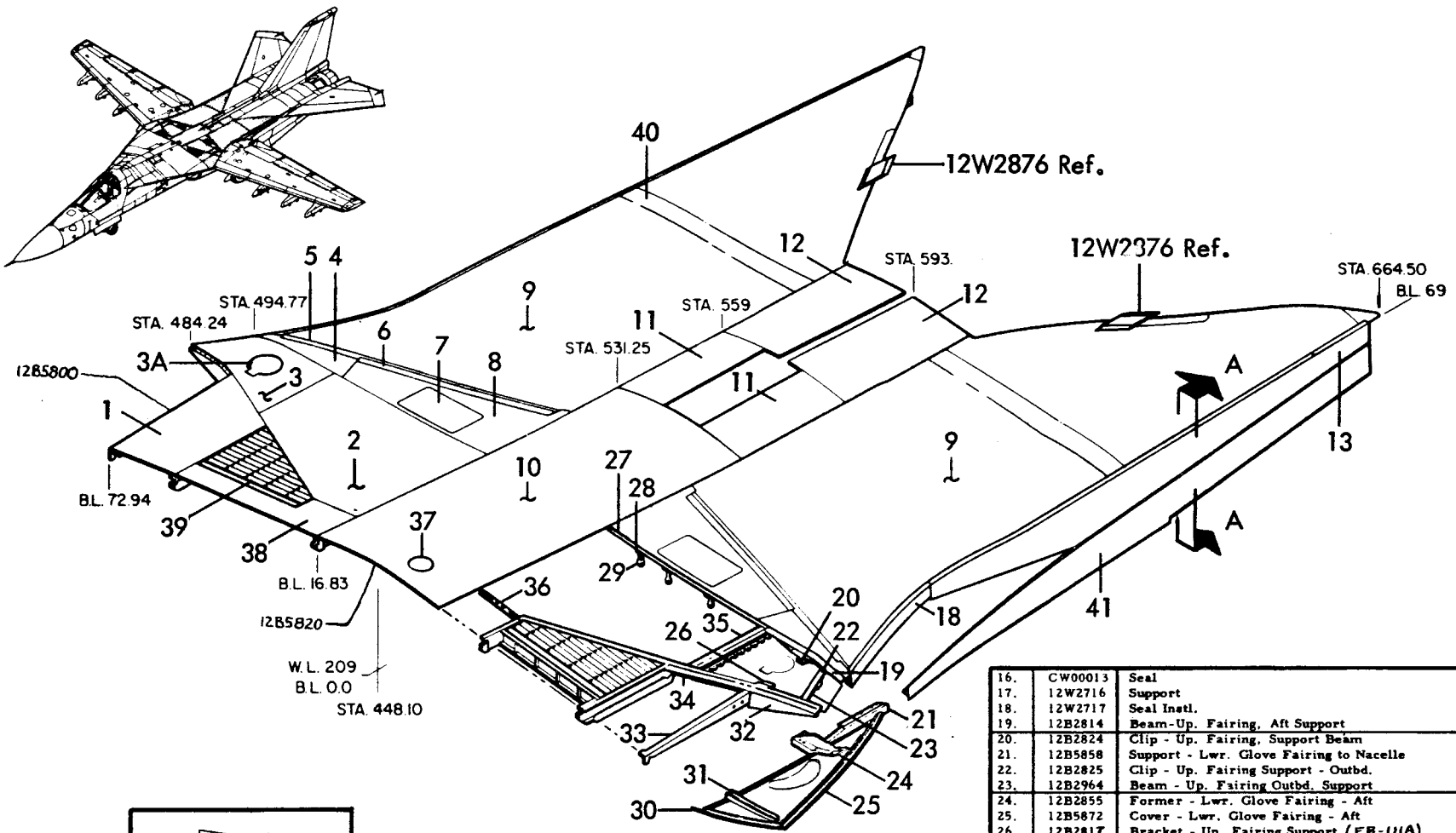
1.	Overwing Fairing
2.	Aft Center Fuselage - Upper
3.	Aft Center Fuselage - Side
4.	Bulkhead F.S. 531 F-111E
4.	Bulkhead F.S. 561 F-111A FB-111A

Figure 3-65 CENTER FUSELAGE COMPONENTS



1.	12B5813	Cover-Glove Up, Outbd., Sta. 448.16
2.	12B5814	Cover Assy. - Glove, Up. BL 16.8-60.2
3.	12B5815	Cover Assy.-Glove, Up. Outbd.
4.	12W2741	Cover Instl. - Outbd. Access-O/W Fairing
5.	12W2720	Seal Strip - O/W Fairing
6.	12W2740	Closure - Cover, Inbd. Access, O/W Fairing
7.	12W2771	Plate - Close out, Assy of
8.	12W2740	Cover Instl., Inbd. Access, O/W Fairing
9.	12W2720	Fairing Instl., O/W Fairing
10.	12B5821	Cover Instl., - Glove Up Ctr. - Sta. 448-532
11.	12B5822	Cover Instl., - Glove Up Ctr. - Sta. 532-559
12.	12B5823	Cover Instl., - Glove Up Ctr. - Sta. 559 - 593
13.	12W2710	Upper Seal Instl.
14.	12W2711	Support
15.	12W2711	Bracket
16.	CW00013	Seal
17.	12W2716	Support
18.	12W2717	Seal Instl.
19.	12B2814	Beam-Up Fairing, Aft Support
20.	12B2824	Clip - Up Fairing, Support Beam
21.	12B5841	Support-Lwr. Glove Fairing to Nacelle
22.	12B2825	Clip-Upr Fairing Support - Outbd.
23.	12B2815	Beam-Upr Fairing Outbd. Support
24.	12B2843	Former-Lwr. Glove Fairing - Aft
25.	12B5852	Cover - Lwr. Glove Fairing
26.	12B2816	Bracket-Up Fairing Support
27.	12B5814	Strip - Cover, Glove Upr. BL 16.8-60.2
28.	12B2822	Bracket - Up Glove Support
29.	12B2821	Support O/W Fairing to Wing Pivot Support
30.	12B5847	Seal - Lwr., Glove Fairing, Fwd.
31.	12B2841	Former - Lwr. Glove Fairing
32.	12B2823	Seal - Upper Glove Fairing, Fwd.
33.	12B2813	Beam - Upper Fairing Suppt., B. L. 73
34.	12B2811	Beam - Upper Fairing, Fwd. Support
35.	12B2819	Hinge Half-O/W Fairing Attach - B.L. 60
36.	12B5814	Strip - Cover, Glove Upr., B.L. 16-60
37.	C123-3	Light
38.	12B5811	Cover Assy. - Glove, Upr., B.L. 16.96 - 55.6
39.	12P7150	Duct Instl., Spike Bleed Exit
40.	12W2720	Strap
41.	12W2715	Lower Seal Installation

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

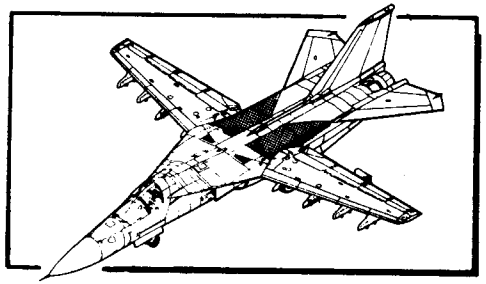


1.	12B5813	Cover - Glove Up., Outbd., Sta. 448.16
2.	12B5814	Cover Assy. - Glove, Up. BL 16.8-60.2
3.	12B5815	Cover Assy. - Glove, Up. Outbd.
3A.	12B5816	Cover Assy. - Pivot Pin Access, Up.
4.	12W2741	Cover Instl. - Outbd. Access-O/W Fairing
5.	12W2720	Seal Strip - O/W Fairing
6.	12W2740	Closure - Cover, Inbd. Access, O/W Fairing
7.	12W2771	Plate, Close Out, Assy. of
8.	12W2740	Cover Instl., Inbd. Access, O/W Fairing
9.	12W2720	Fairing Instl., O/W Fairing
10.	12B5821	Cover Instl., - Glove Up. Ctr. - Sta. 448-532
11.	12B5822	Cover Instl., - Glove Up. Ctr. - Sta. 532-559
12.	12B5823	Cover Instl., - Glove Up. Ctr. - Sta. 559-593
13.	12W2710	Upper Seal Instl.
14.	12W2711	Support
15.	12W2711	Bracket

16.	CW00013	Seal
17.	12W2716	Support
18.	12W2717	Seal Instl.
19.	12B2814	Beam-Up. Fairing, Aft Support
20.	12B2824	Clip - Up. Fairing, Support Beam
21.	12B5858	Support - Lwr. Glove Fairing to Nacelle
22.	12B2825	Clip - Up. Fairing Support - Outbd.
23.	12B2964	Beam - Up. Fairing Outbd. Support
24.	12B2855	Former - Lwr. Glove Fairing - Aft
25.	12B5872	Cover - Lwr. Glove Fairing - Aft
26.	12B2817	Bracket - Up. Fairing Support (FB-111A)
27.	12B5814	Strip - Cover, Glove Up. BL 16.8-60.2
28.	12B2973	Bracket - Up. Glove Support
29.	12B2971	Support - O/W Fairing to Wing Pivot Support
30.	12B5873	Seal - Lwr., Glove Fairing, Fwd.
31.	12B2854	Former - Lwr. Glove Fairing
32.	12B2853	Seal - Upper Glove Fairing, Fwd.
33.	12B2813	Beam - Upper Fairing Suppt., B.L. 73 (B1: 3-6)
33.	12B2968	Beam - Upper Fairing Suppt., B.L. 73 (B1: 7-On)
34.	12B2811	Beam - Upper Fairing, Fwd. Support
35.	12B2819	Hinge Half - O/W Fairing Attach. - B.L. 60
36.	12B5814	Strip - Cover, Glove Up., B.L. 16-60
37.	C123-3	Light
38.	12B5811	Cover Assy. - Glove, Up., B.L. 16.96 - 55.6
39.	12P12210	Duct Instl., Spike Bleed Exit
40.	12W2720	Strap
41.	12W2715	Lower Seal Installation

Figure 3-66A UPPER FUSELAGE PANELS AND OVERWING FAIRING
F-111E(A1:160 & On) FB-111A: 3 & On

ST-763-49A



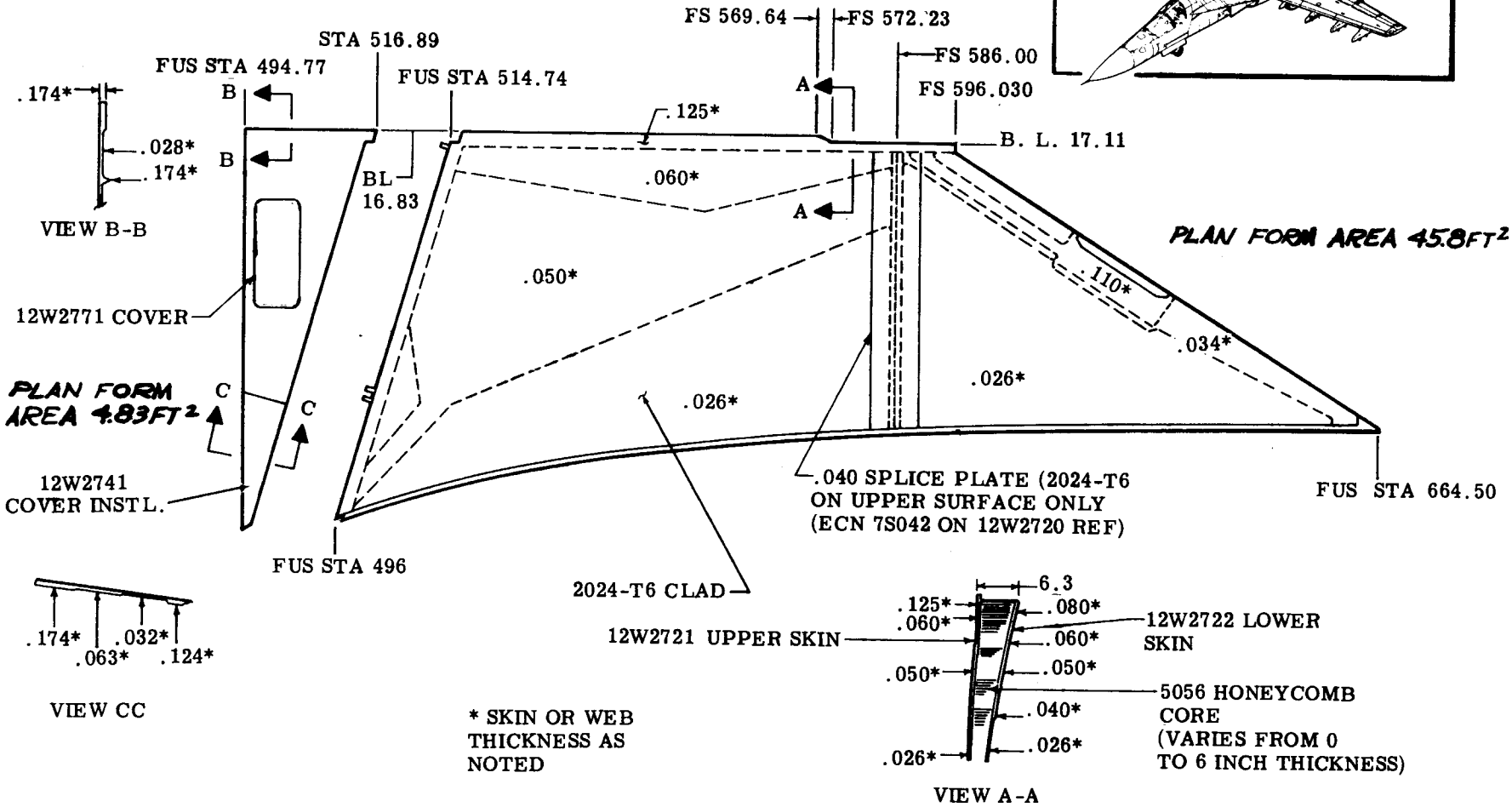


Figure 3-67 OVERWING FAIRING ACCESS PANELS

ST-763-37

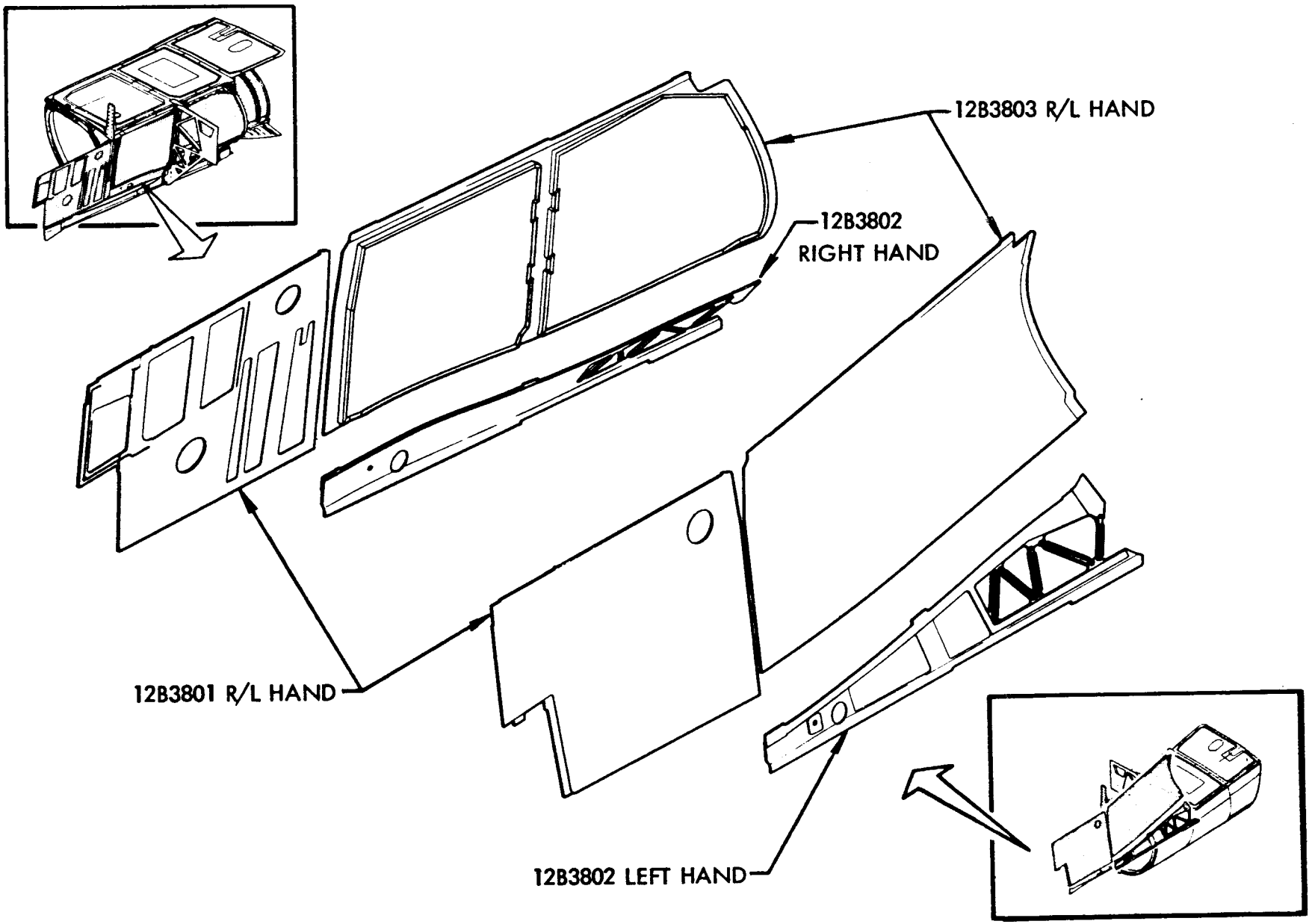
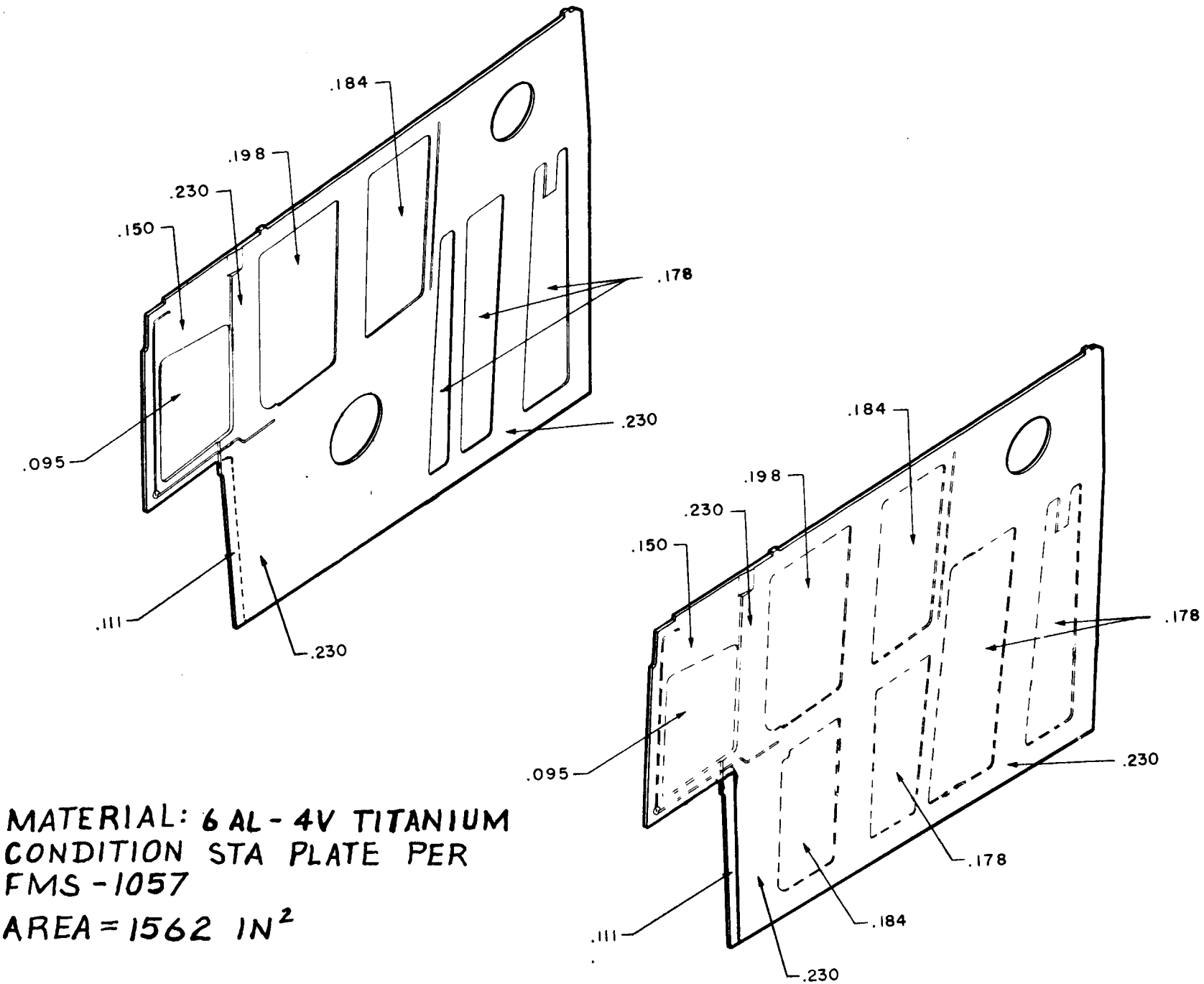
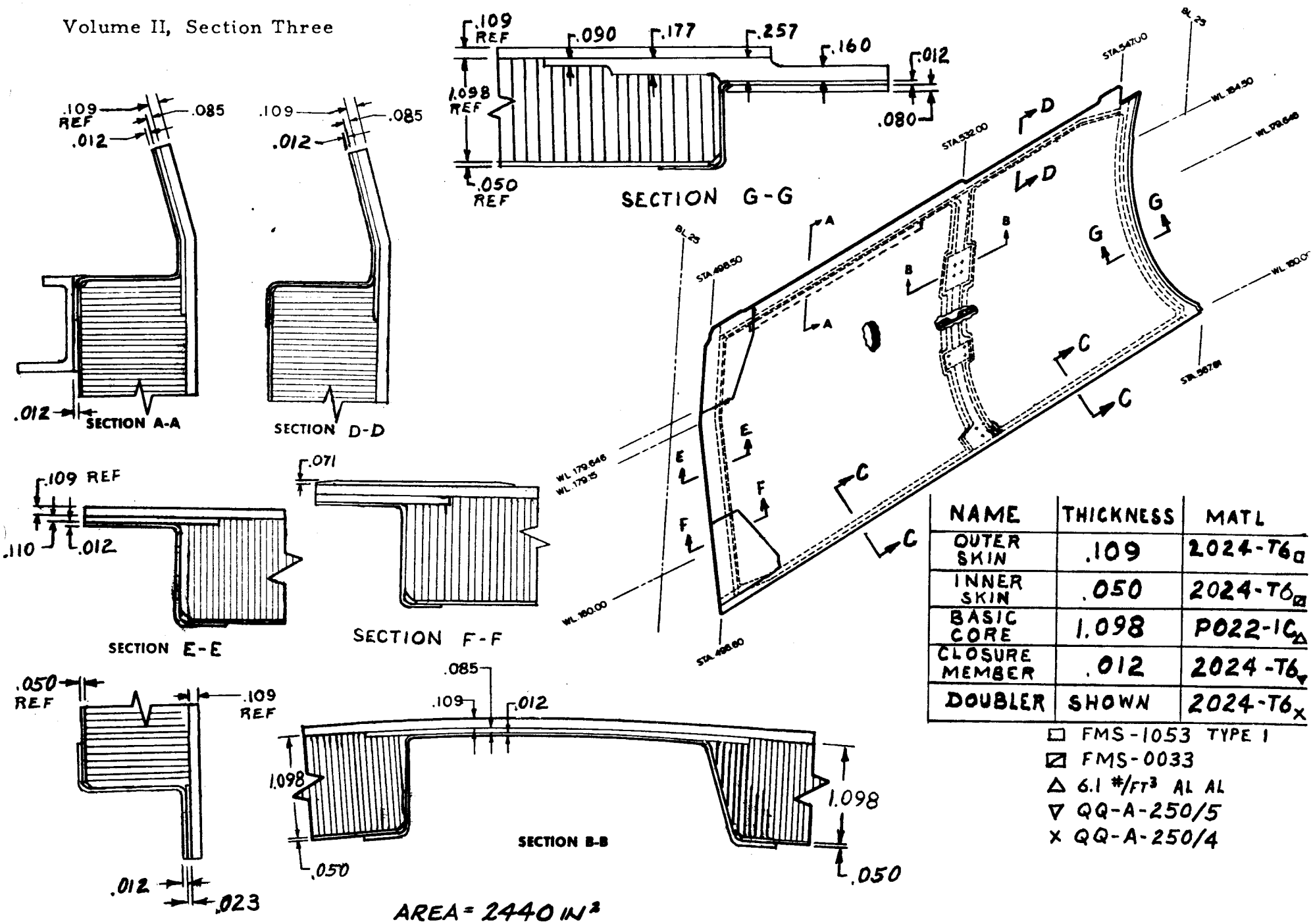


Figure 3-68 SIDE SHEAR PANEL SKINS



MATERIAL: 6 AL - 4V TITANIUM
CONDITION STA PLATE PER
FMS - 1057
AREA = 1562 IN^2

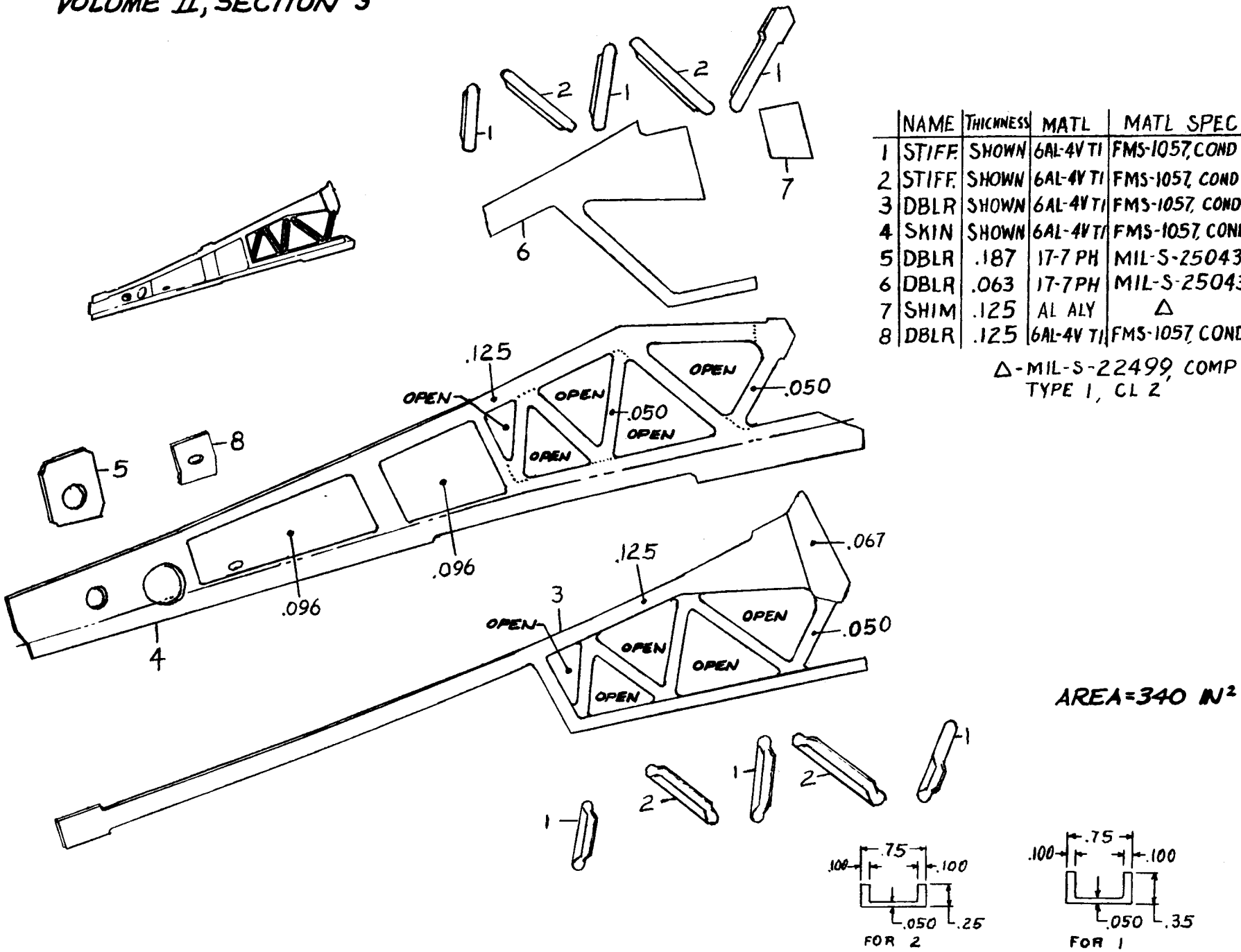
FIGURE 3-69 SKIN-SIDE SHEAR - 12B3801, STA 448.0 TO STA 495.5



NAME	THICKNESS	MATL
OUTER SKIN	.109	2024-T6 □
INNER SKIN	.050	2024-T6 ▨
BASIC CORE	1.098	P022-IC △
CLOSURE MEMBER	.012	2024-T6 ▽
DOUBLER	SHOWN	2024-T6 ×

□ FMS-1053 TYPE I
▨ FMS-0033
△ 6.1 #/FT³ AL AL
▽ QQ-A-250/5
× QQ-A-250/4

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

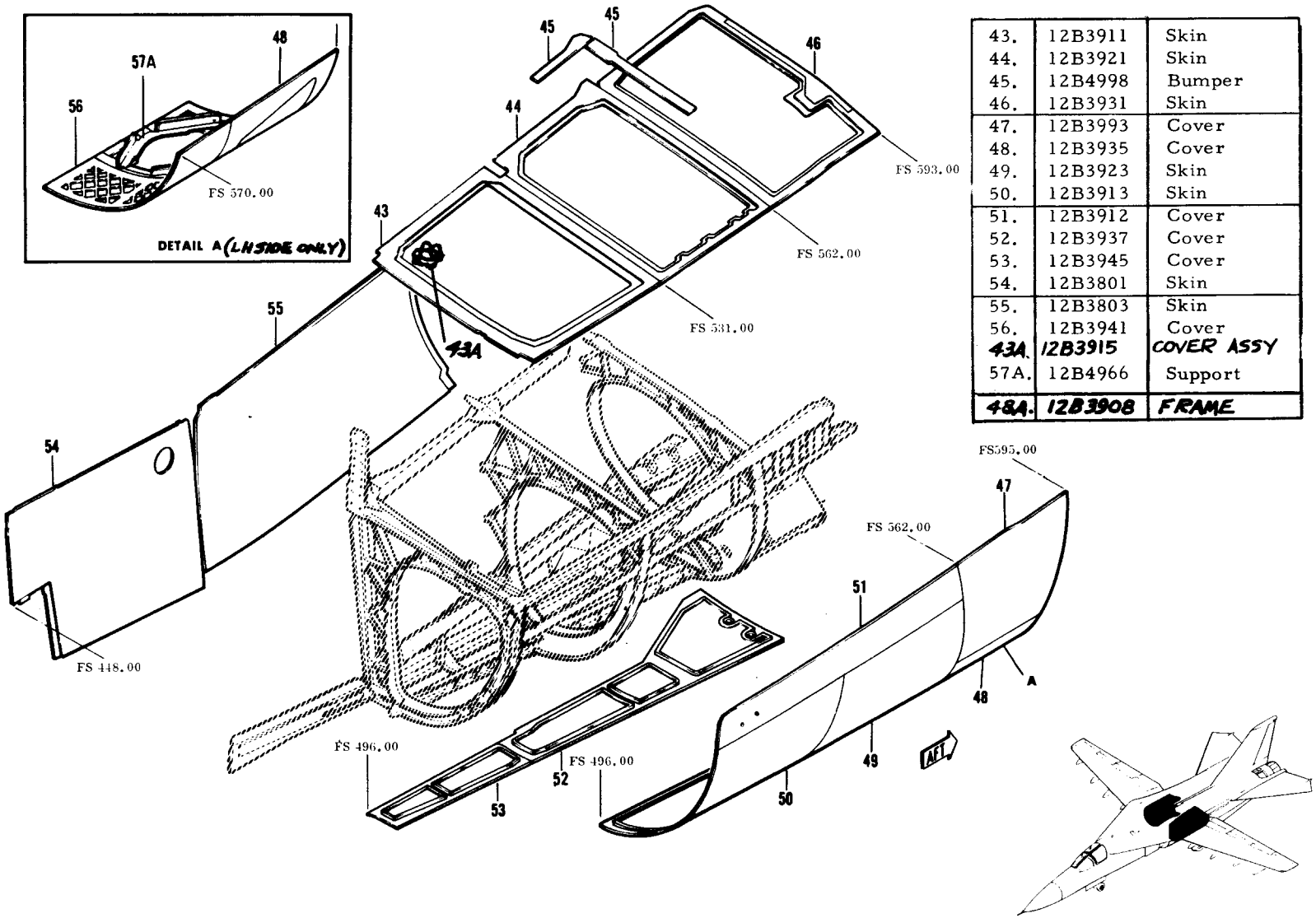


	NAME	THICKNESS	MATL	MATL SPEC
1	STIFF.	SHOWN	6AL-4V TI	FMS-1057, COND STA
2	STIFF.	SHOWN	6AL-4V TI	FMS-1057, COND STA
3	DBLR	SHOWN	6AL-4V TI	FMS-1057, COND ST
4	SKIN	SHOWN	6AL-4V TI	FMS-1057, COND ST
5	DBLR	.187	17-7 PH	MIL-S-25043
6	DBLR	.063	17-7 PH	MIL-S-25043
7	SHIM	.125	AL ALY	△
8	DBLR	.125	6AL-4V TI	FMS-1057, COND ST

△ - MIL-S-22499, COMP 1, TYPE 1, CL 2

AREA = 340 IN²

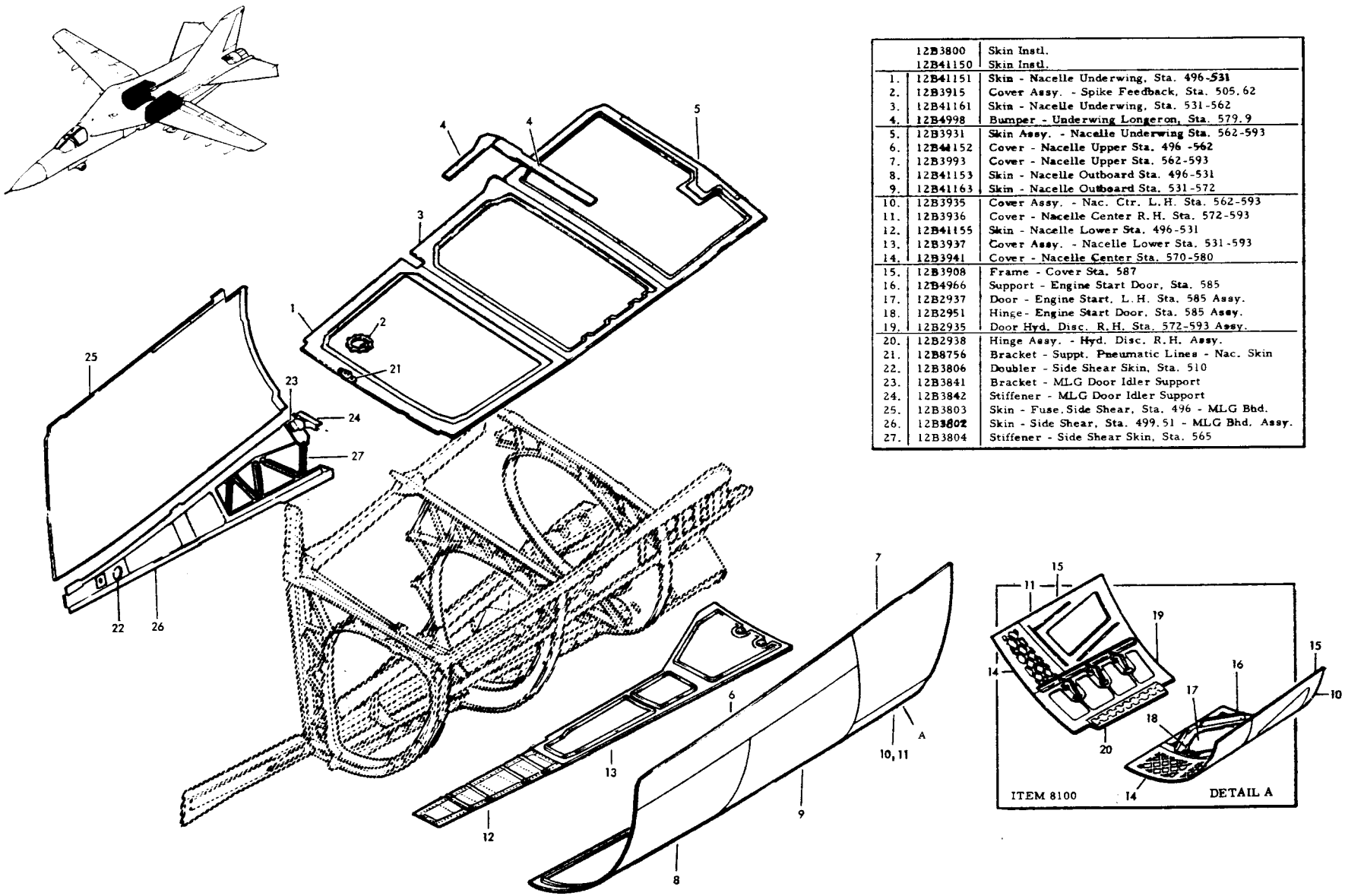
FIGURE 3-71 SKIN-SIDE SHEAR - 12B3802 - STA 499.51 TO MLG BHD



43.	12B3911	Skin
44.	12B3921	Skin
45.	12B4998	Bumper
46.	12B3931	Skin
47.	12B3993	Cover
48.	12B3935	Cover
49.	12B3923	Skin
50.	12B3913	Skin
51.	12B3912	Cover
52.	12B3937	Cover
53.	12B3945	Cover
54.	12B3801	Skin
55.	12B3803	Skin
56.	12B3941	Cover
43A.	12B3915	COVER ASSY
57A.	12B4966	Support
48A.	12B3908	FRAME

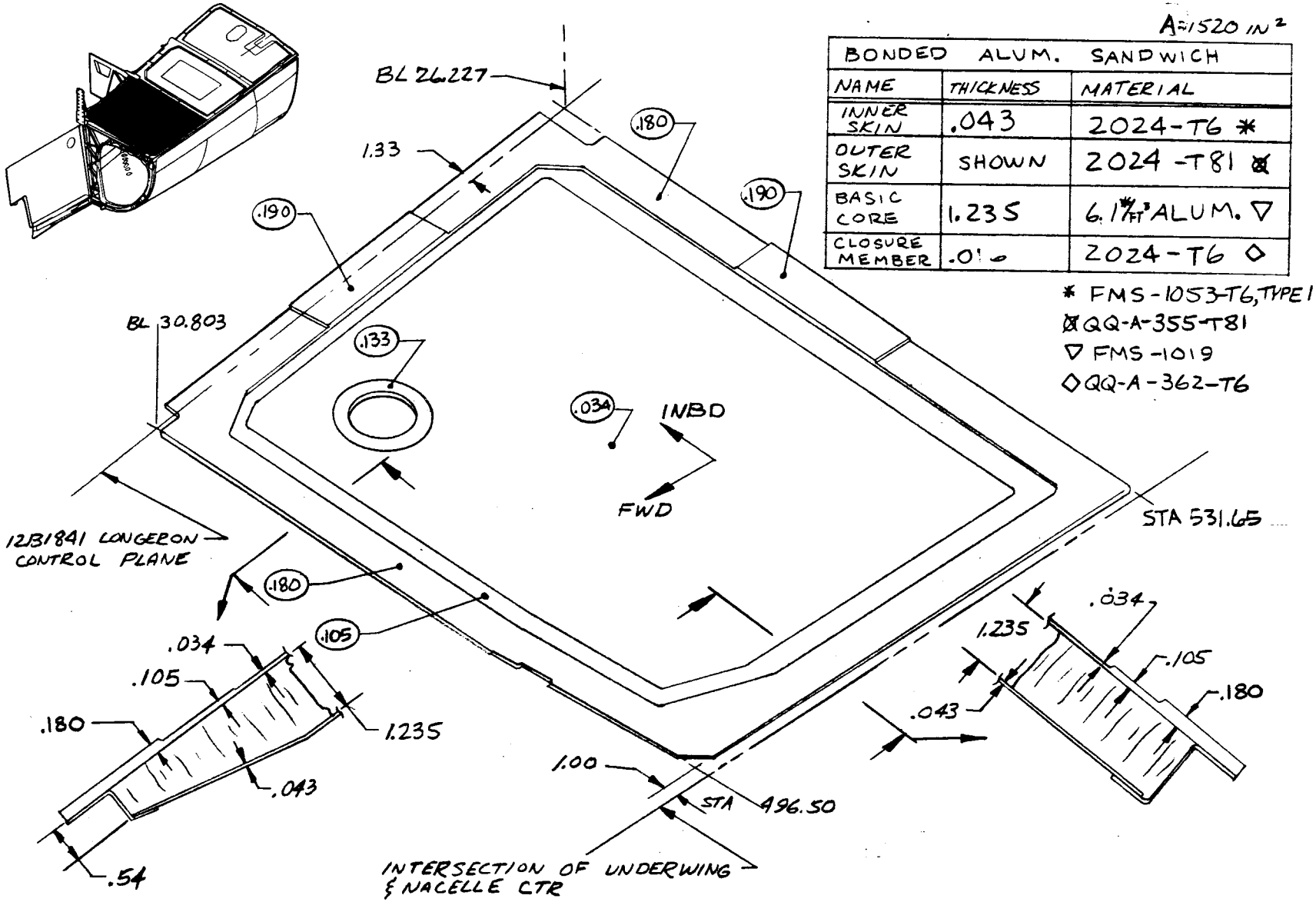
Figure 3-72 F-111A AFT CENTER FUSELAGE - SIDE ASSEMBLY SKINS

ST-839-142A



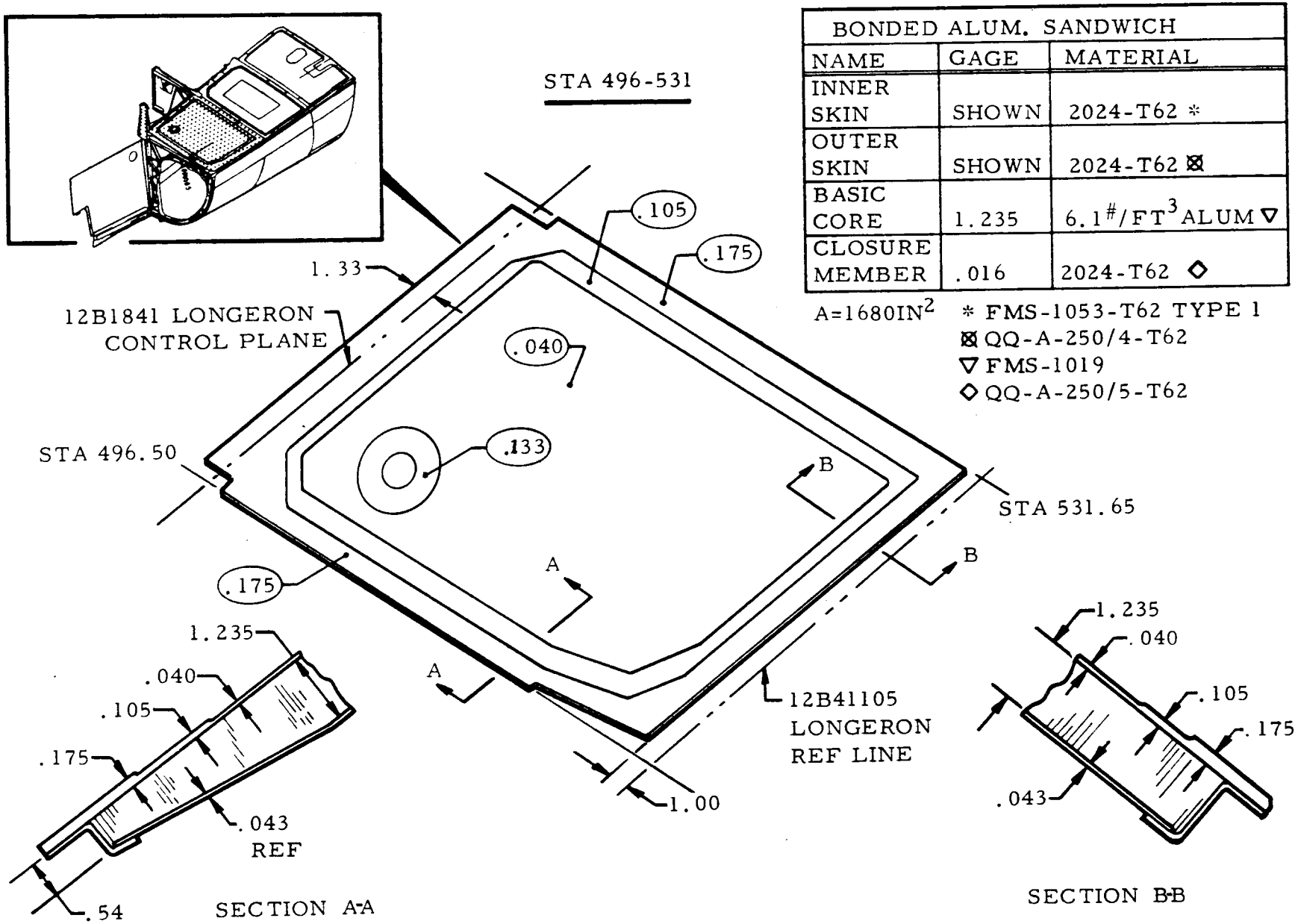
	12B3800	Skin Instl.
	12B41150	Skin Instl.
1.	12B41151	Skin - Nacelle Underwing, Sta. 496-531
2.	12B3915	Cover Assy. - Spike Feedback, Sta. 505.62
3.	12B41161	Skin - Nacelle Underwing, Sta. 531-562
4.	12B4998	Bumper - Underwing Longeron, Sta. 579.9
5.	12B3931	Skin Assy. - Nacelle Underwing Sta. 562-593
6.	12B41152	Cover - Nacelle Upper Sta. 496 -562
7.	12B3993	Cover - Nacelle Upper Sta. 562-593
8.	12B41153	Skin - Nacelle Outboard Sta. 496-531
9.	12B41163	Skin - Nacelle Outboard Sta. 531-572
10.	12B3935	Cover Assy. - Nac. Ctr. L.H. Sta. 562-593
11.	12B3936	Cover - Nacelle Center R.H. Sta. 572-593
12.	12B41155	Skin - Nacelle Lower Sta. 496-531
13.	12B3937	Cover Assy. - Nacelle Lower Sta. 531-593
14.	12B3941	Cover - Nacelle Center Sta. 570-580
15.	12B3908	Frame - Cover Sta. 587
16.	12B4966	Support - Engine Start Door, Sta. 585
17.	12B2937	Door - Engine Start, L.H. Sta. 585 Assy.
18.	12B2951	Hinge - Engine Start Door, Sta. 585 Assy.
19.	12B2935	Door Hyd. Disc. R.H. Sta. 572-593 Assy.
20.	12B2938	Hinge Assy. - Hyd. Disc. R.H. Assy.
21.	12B8756	Bracket - Suppt. Pneumatic Lines - Nac. Skin
22.	12B3806	Doubler - Side Shear Skin, Sta. 510
23.	12B3841	Bracket - MLG Door Idler Support
24.	12B3842	Stiffener - MLG Door Idler Support
25.	12B3803	Skin - Fuse. Side Shear, Sta. 496 - MLG Bhd.
26.	12B3802	Skin - Side Shear, Sta. 499.51 - MLG Bhd. Assy.
27.	12B3804	Stiffener - Side Shear Skin, Sta. 565

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

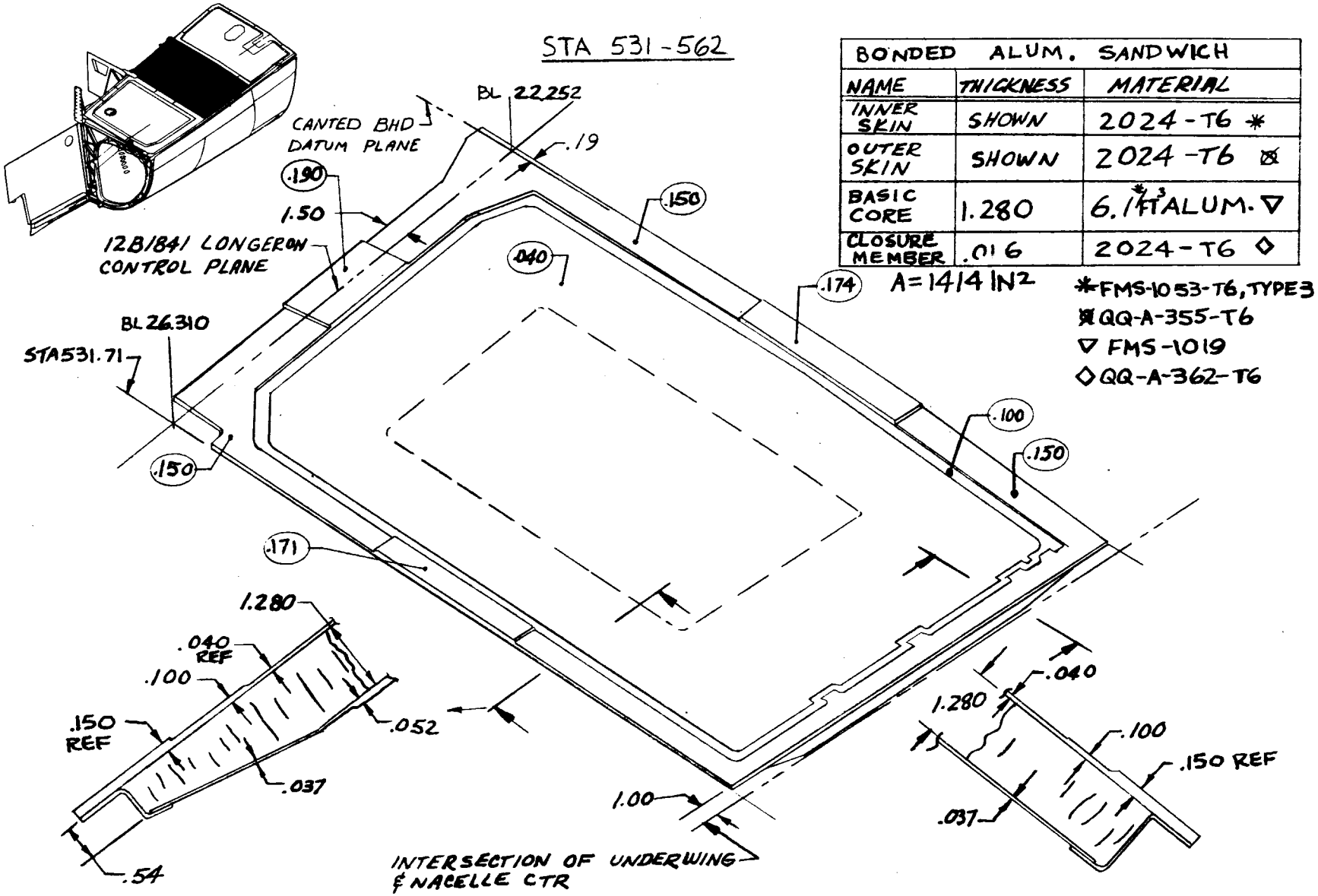


BONDED ALUM. SANDWICH		
NAME	GAGE	MATERIAL
INNER SKIN	SHOWN	2024-T62 *
OUTER SKIN	SHOWN	2024-T62 ⊠
BASIC CORE	1.235	6.1#/FT^3 ALUM ▽
CLOSURE MEMBER	.016	2024-T62 ◇

A=1680IN^2

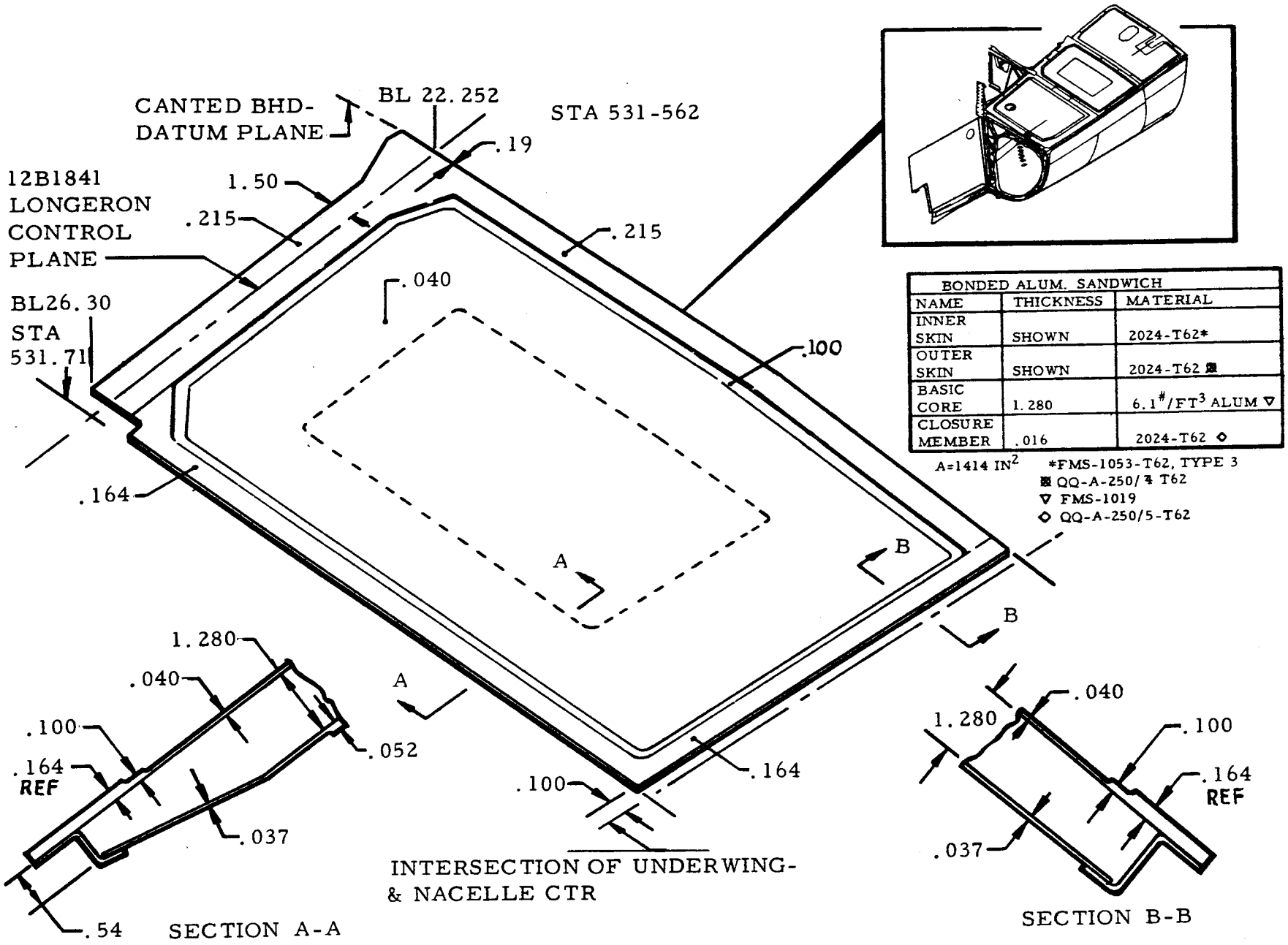
* FMS-1053-T62 TYPE 1
⊠ QQ-A-250/4-T62
▽ FMS-1019
◇ QQ-A-250/5-T62

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



BONDED ALUM. SANDWICH		
NAME	THICKNESS	MATERIAL
INNER SKIN	SHOWN	2024-T62*
OUTER SKIN	SHOWN	2024-T62 ▣
BASIC CORE	1.280	6.1#/FT³ ALUM ▽
CLOSURE MEMBER	.016	2024-T62 ◇

A=1414 IN²

*FMS-1053-T62, TYPE 3
▣ QQ-A-250/4 T62
▽ FMS-1019
◇ QQ-A-250/5-T62

Figure 3-77 12B41161 SKIN - NACELLE, UNDERWING (F-111E A1 160-On; FB-111A 3-Cn)

ST-839-199A

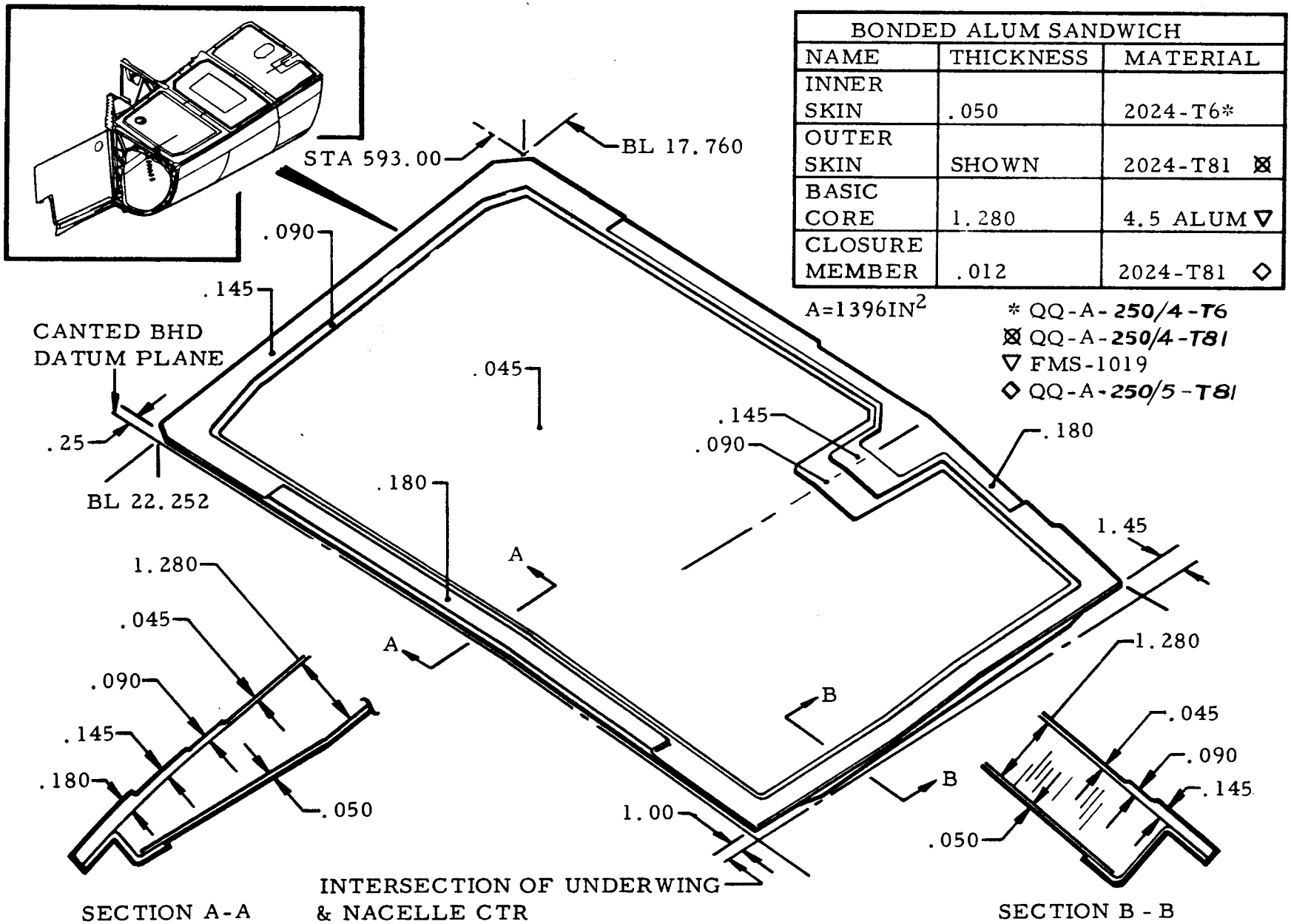
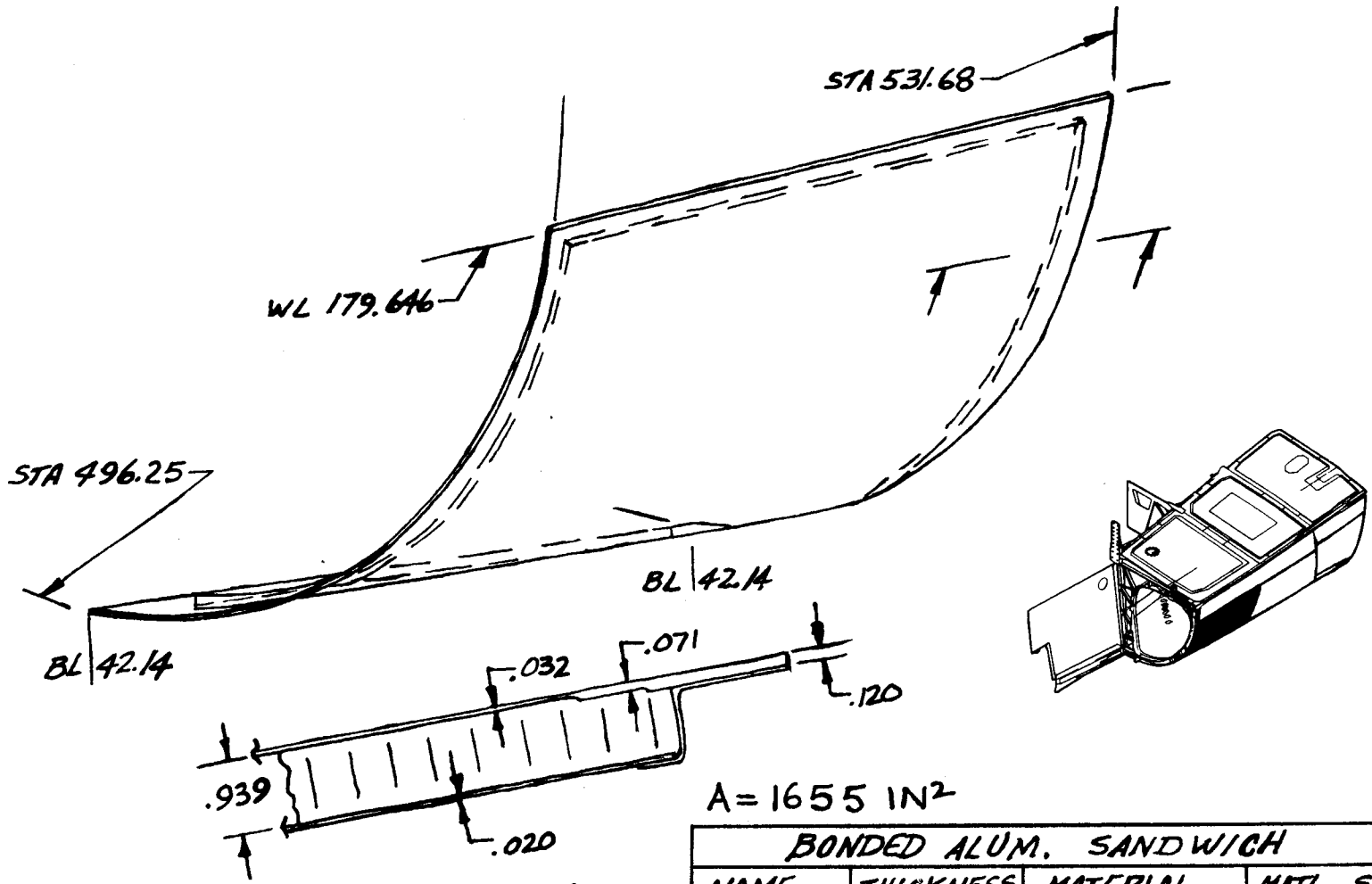


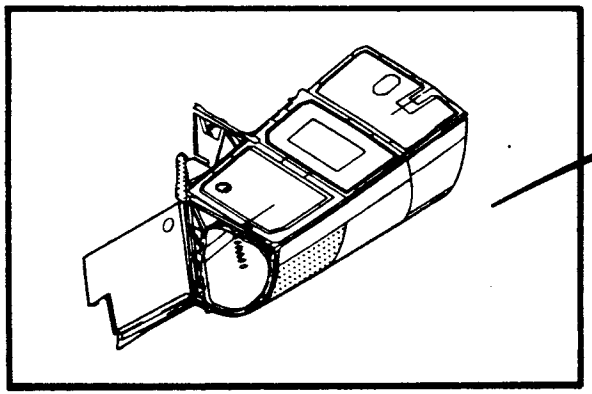
Figure 3-78 12B3931 SKIN - NACELLE, UNDERWING

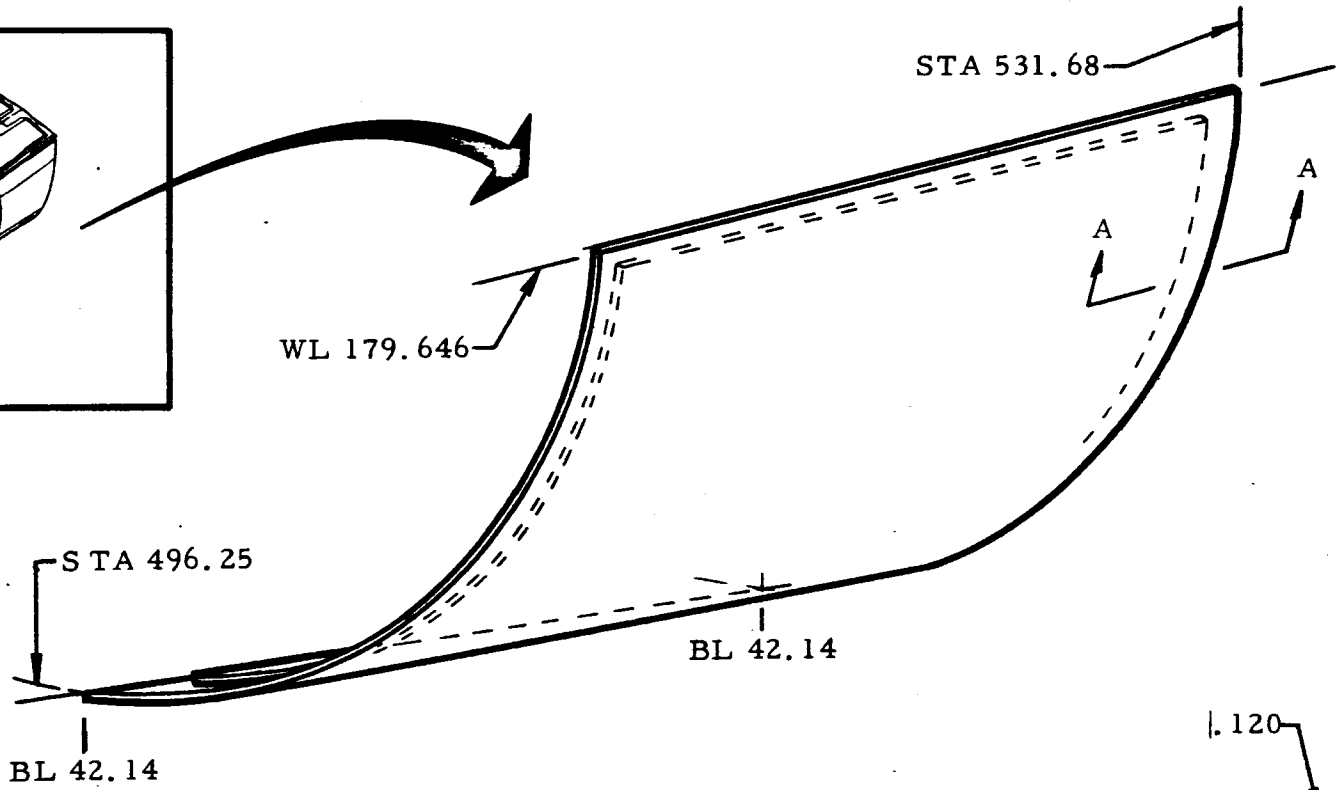


BONDED ALUM. SANDWICH			
NAME	THICKNESS	MATERIAL	MATL SPEC
INNER SKIN	.020	2024-T81	QQ-A-362-T81
OUTER SKIN	SHOWN	2024-T81	FMS-1053 TYPE I
BASIC CORE	.939	8.1 #/FT³ ALUM.	FMS-1019
CLOSURE MEMBER	.012	2024-T81	QQ-A-362-T81

F-111A

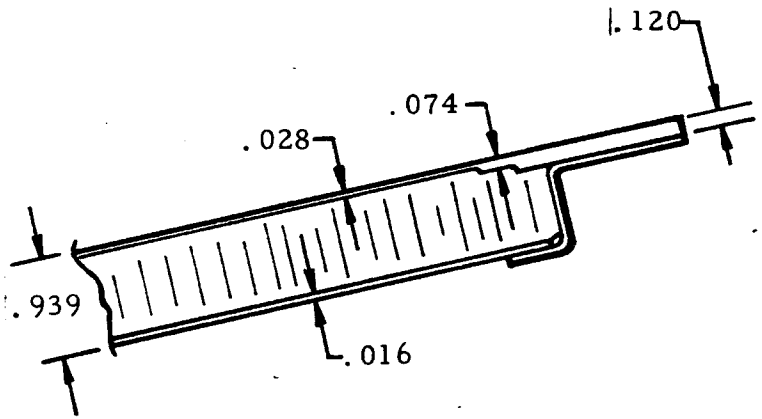
Figure 3-79 12B3913 SKIN - NACELLE, OUTBOARD





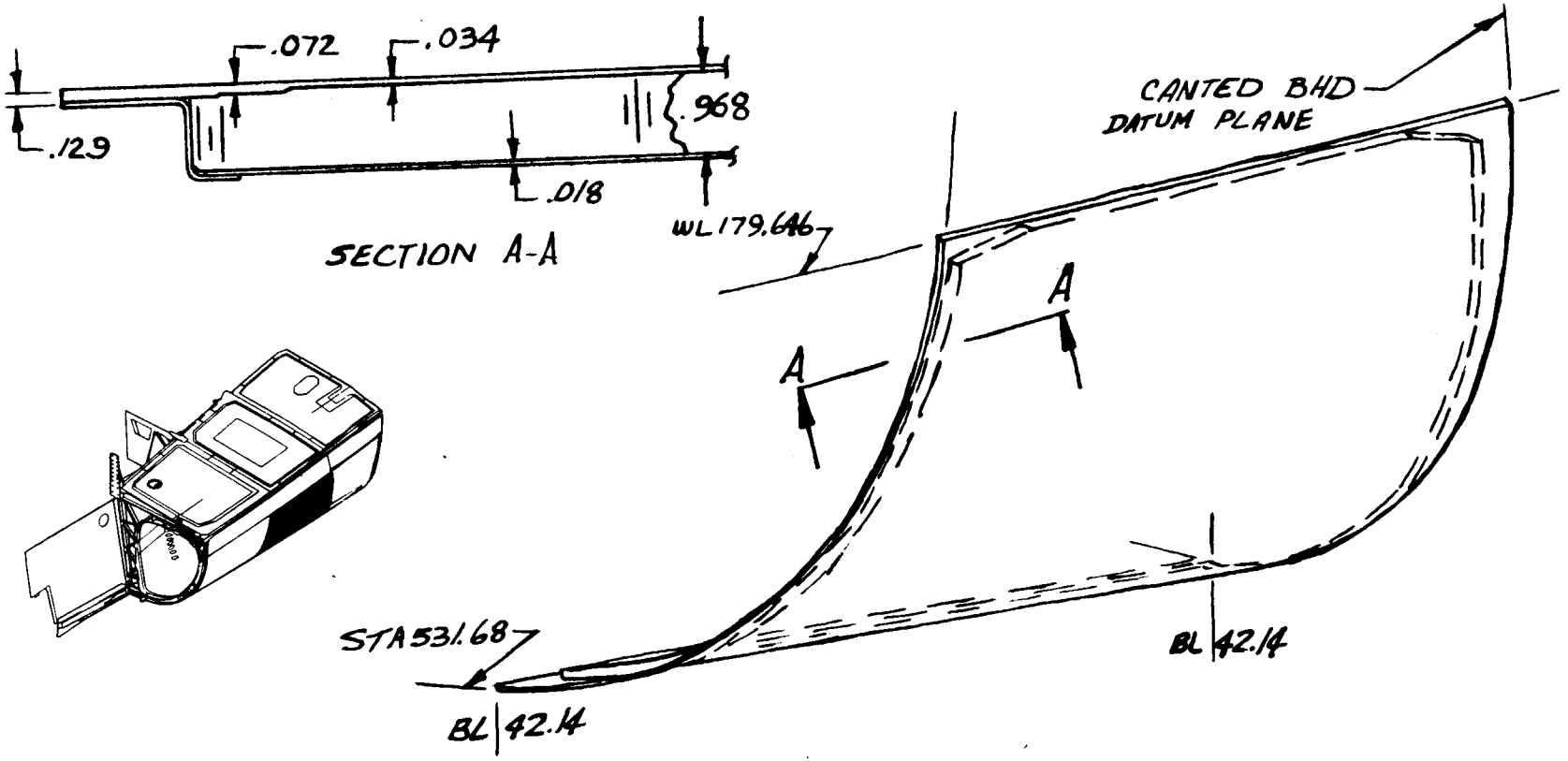
A=1655 IN^2

BONDED ALUM. SANDWICH			
NAME	THICK-NESS	MATERIAL	MATL. SPEC
INNER SKIN	.016	2024-T81	QQ-A-250/5-T81
OUTER SKIN	SHOWN	2024-T81	FMS-1053 TYPE 1
BASIC CORE	.939	4.5#/FT^{3}ALUM	FMS-1019
CLOSURE MEMBER	.012	2024-T81	QQ-A-250/5-T81



SECTION A-A

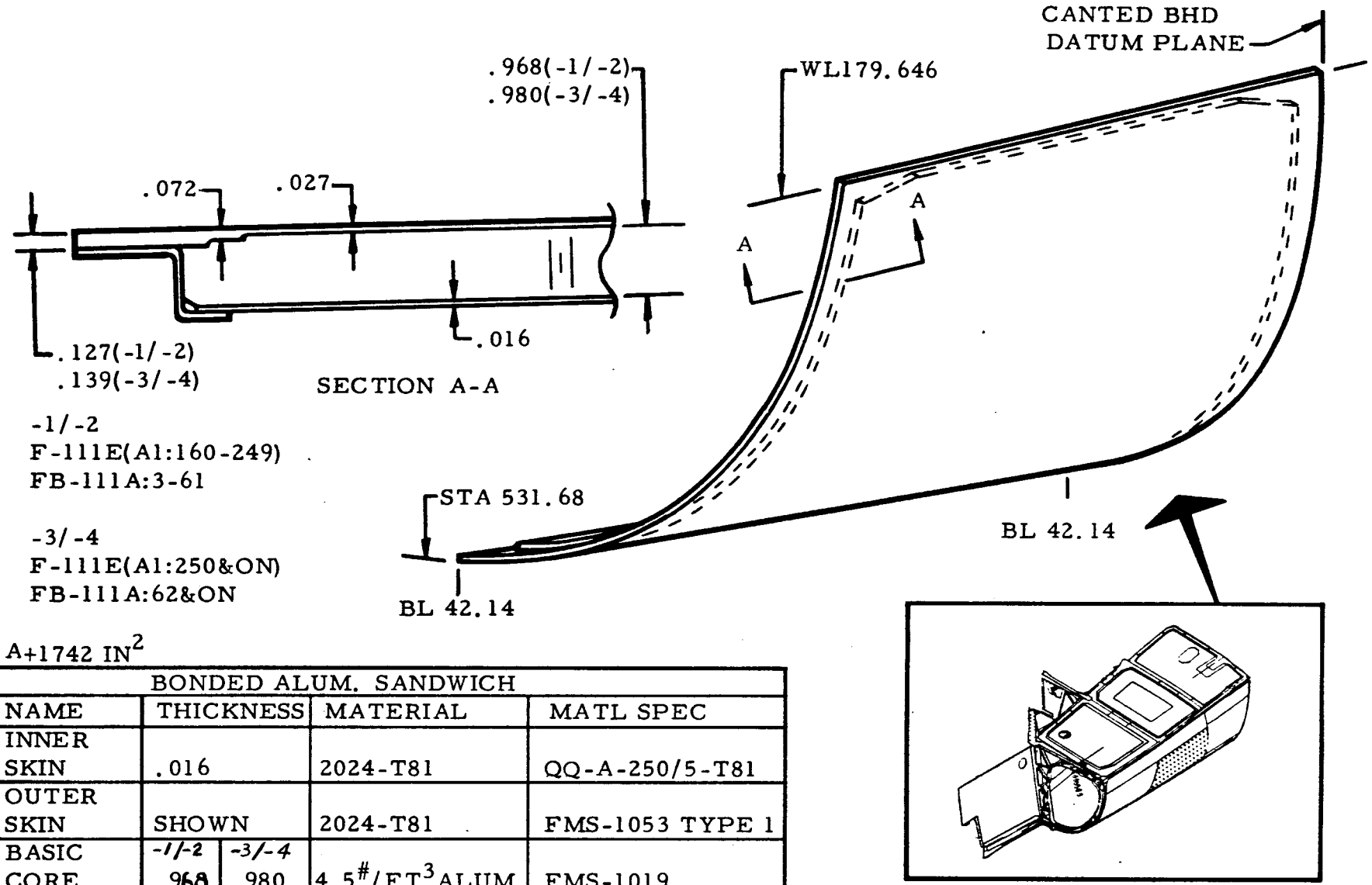
Figure 3-80 12B41153 SKIN - NACELLE, OUTBOARD (F-111E: A1 160-On; FB-111A: B1 3-On)



A=1742 IN²

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 #/FT³ ALUM.	FMS-1019
CLOSURE MEMBER	.012	2024-T81	QQ-A-362-T81

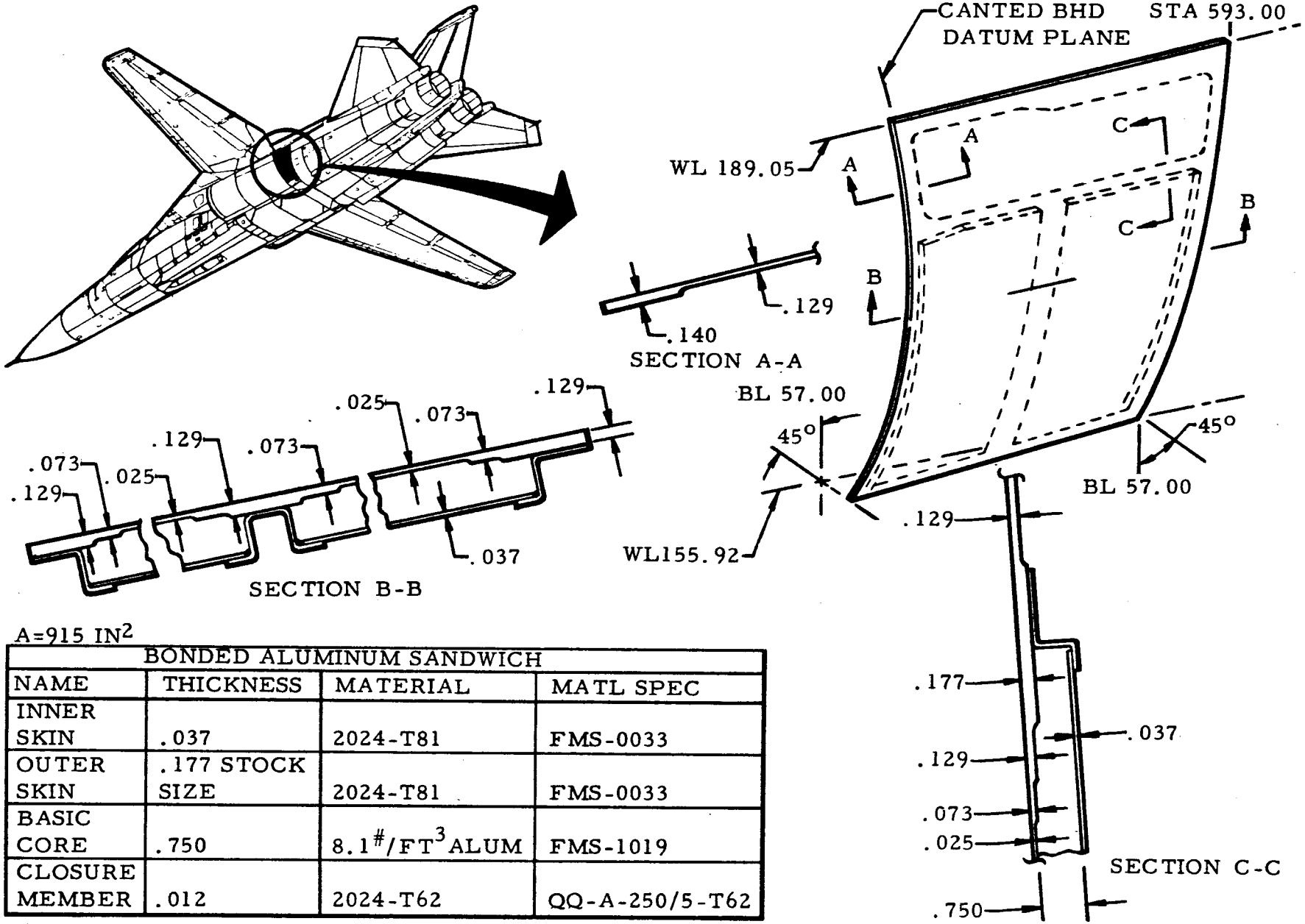
Figure 3-81 F-111A 12B3923 SKIN - NACELLE, OUTBOARD



A+1742 IN^2

BONDED ALUM. SANDWICH				
NAME	THICKNESS		MATERIAL	MATL SPEC
INNER SKIN	.016		2024-T81	QQ-A-250/5-T81
OUTER SKIN	SHOWN		2024-T81	FMS-1053 TYPE 1
BASIC CORE	-1/-2 .968	-3/-4 .980	4.5#/FT^{3}ALUM	FMS-1019
CLOSURE MEMBER	.012		2024-T81	QQ-A-250/5-T81

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

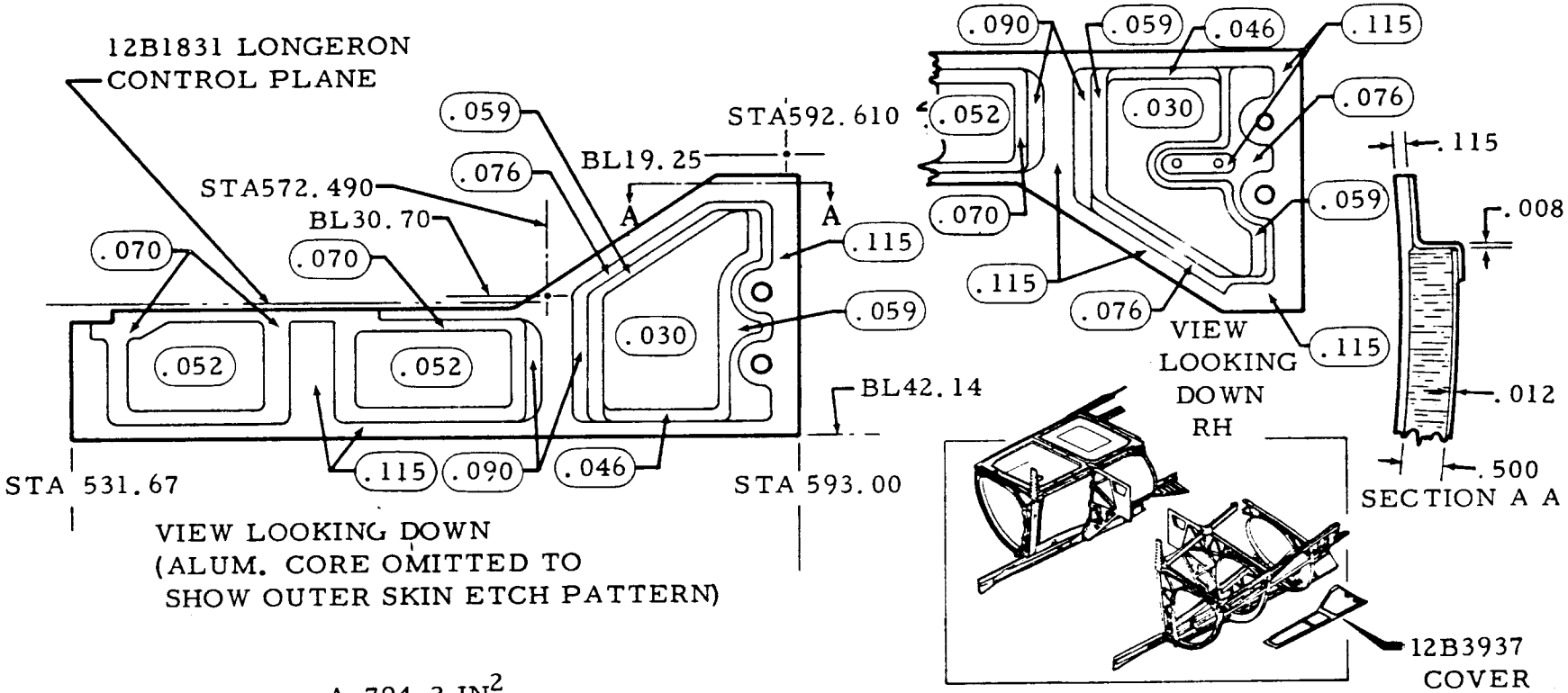


A=915 IN^2

BONDED ALUMINUM SANDWICH			
NAME	THICKNESS	MATERIAL	MATL SPEC
INNER SKIN	.037	2024-T81	FMS-0033
OUTER SKIN	.177 STOCK SIZE	2024-T81	FMS-0033
BASIC CORE	.750	8.1#/FT^3 ALUM	FMS-1019
CLOSURE MEMBER	.012	2024-T62	QQ-A-250/5-T62

Figure 3-83 12B3993 COVER - NACELLE, OUTBOARD

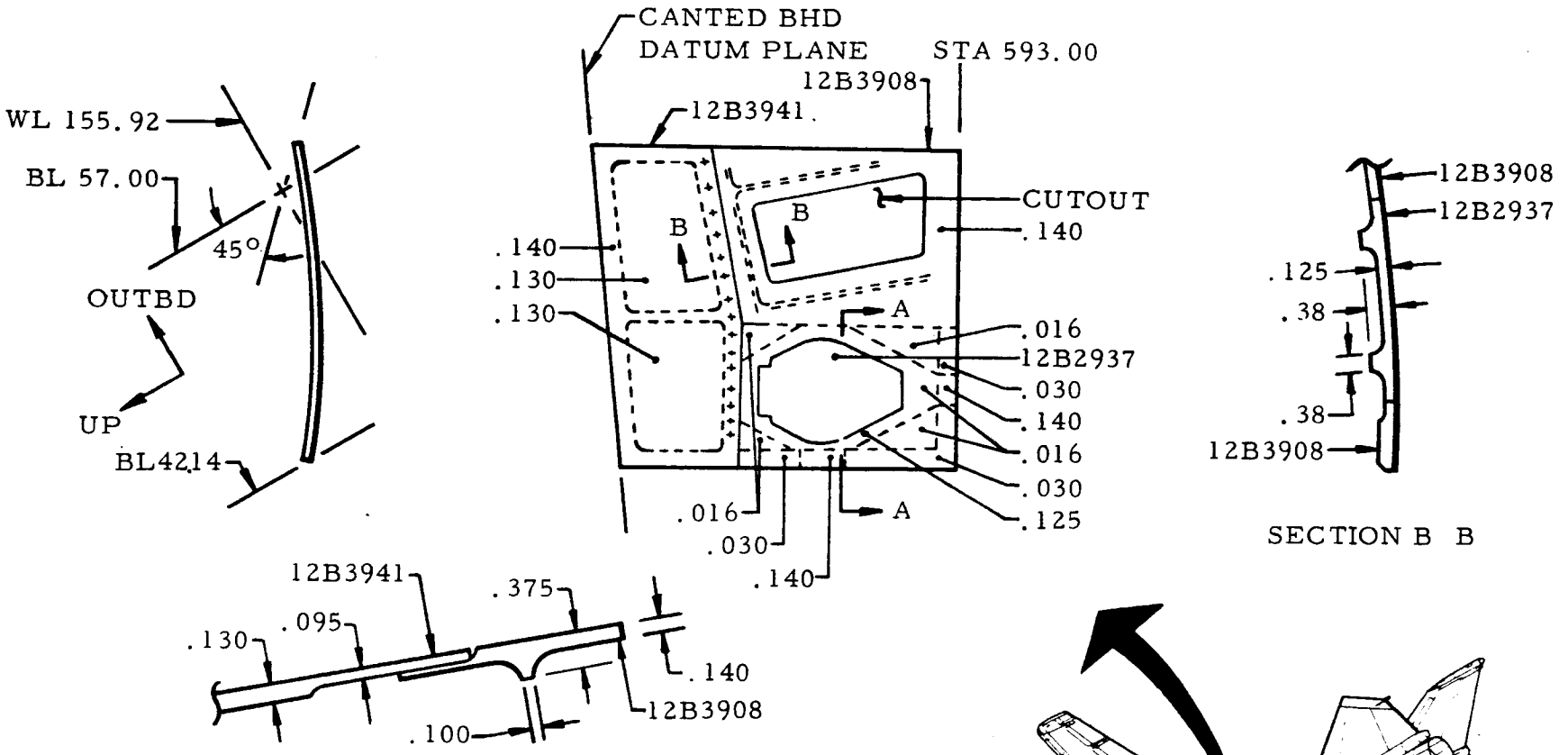
ST-839-197A



$A = 794.2\ IN^2$

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

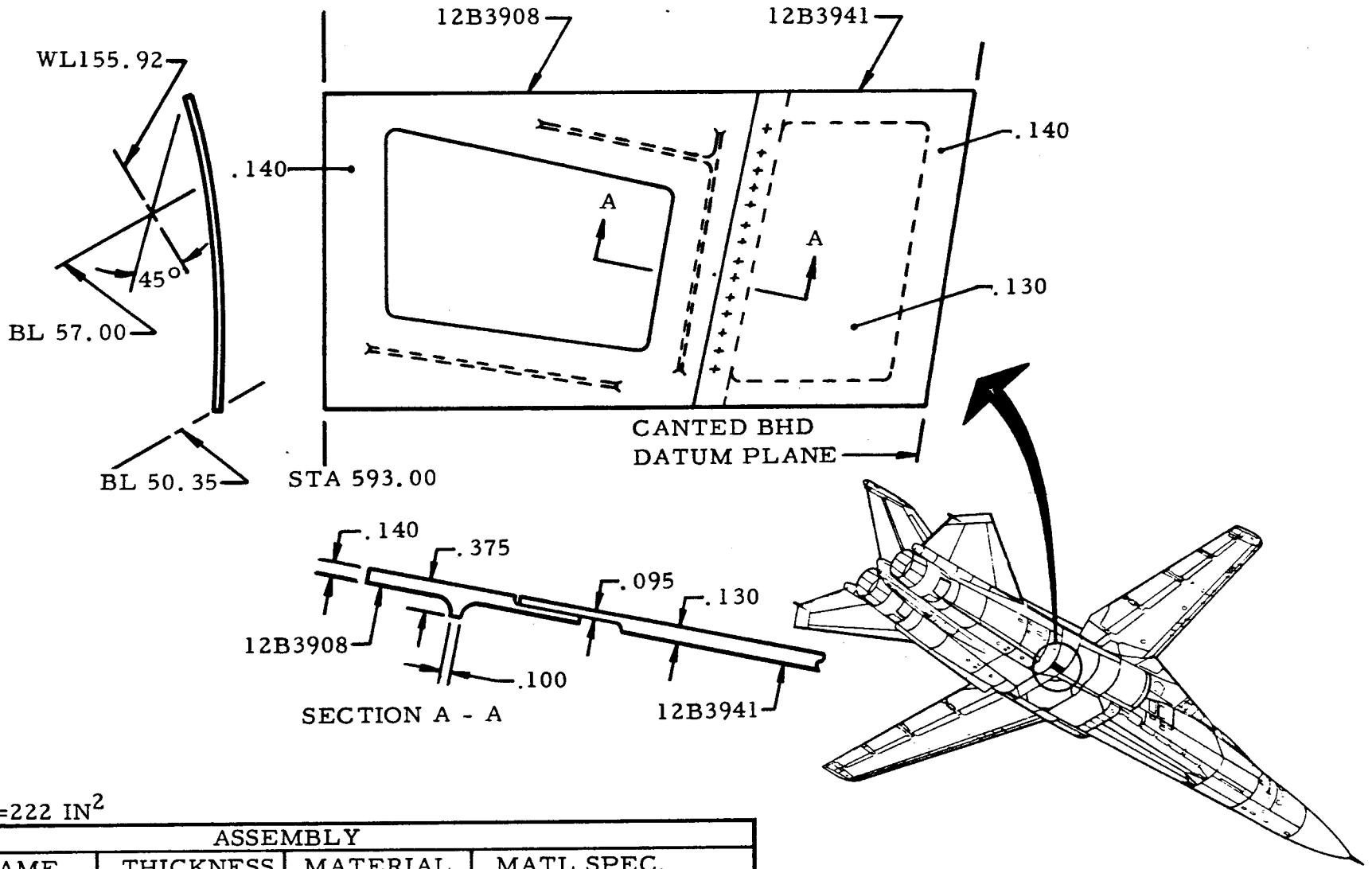
Figure 3-84 12B3937 COVER - NACELLE, LOWER (STA. 531-593)



A=424 IN^2

ASSEMBLY			
NAME	THICKNESS	MATERIAL	MATL SPEC
12B3941	SHOWN	2024-T81	FMS-1053, TYPE 1
12B3908	SHOWN	PH 15-7 MO CRES	AMS-5520
12B2937	SHOWN	356-T6 ALUM. CASTING	QQ-A-596-T6

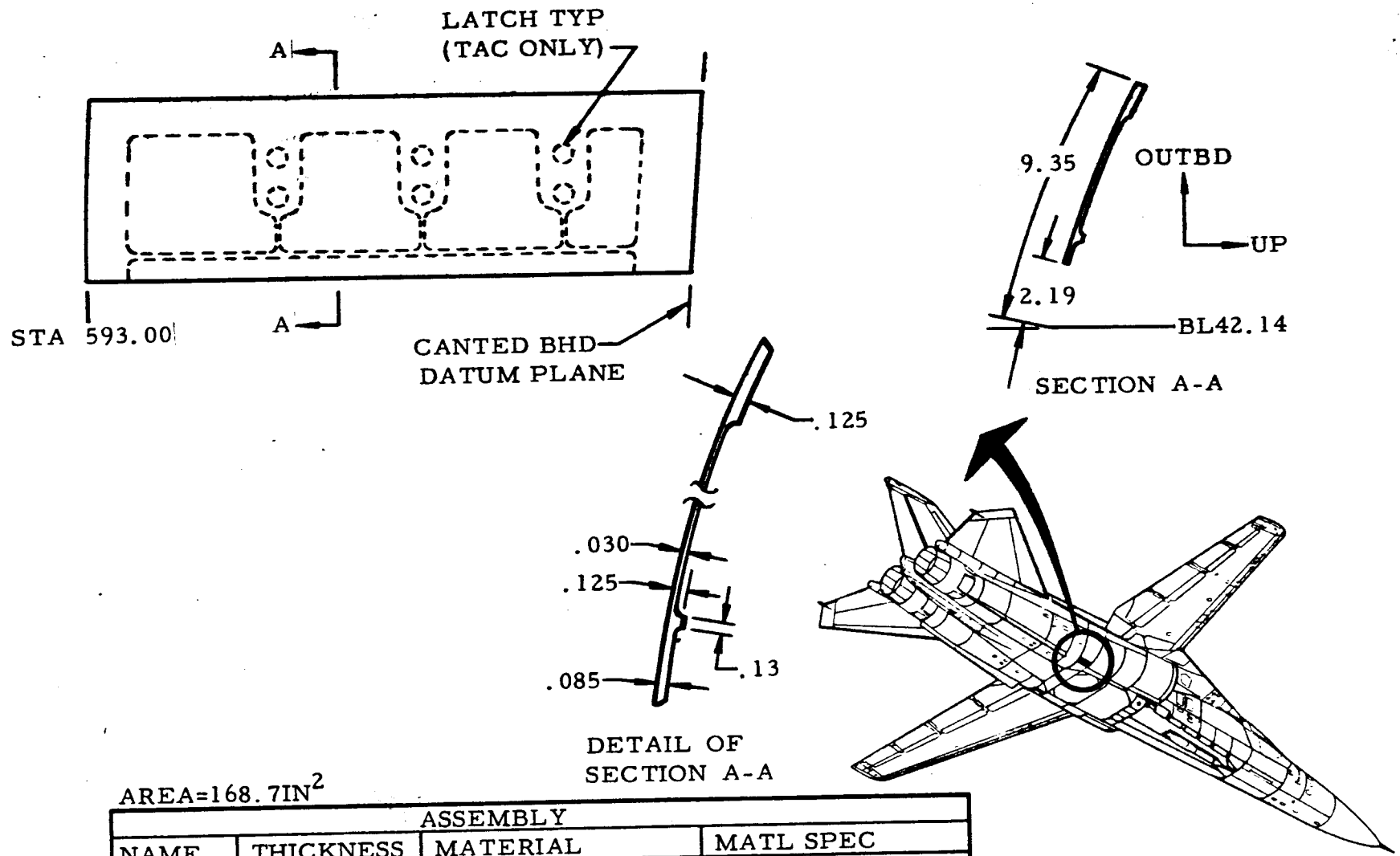
Figure 3-85 12B3935 COVER - NACELLE, CENTER (LEFT HAND)



A=222 IN^2

ASSEMBLY			
NAME	THICKNESS	MATERIAL	MATL SPEC.
12B3941	SHOWN	2024-T81	FMS-1053, TYPE 1
12B3908	SHOWN	PH15-7MO CRES	AMS-5520

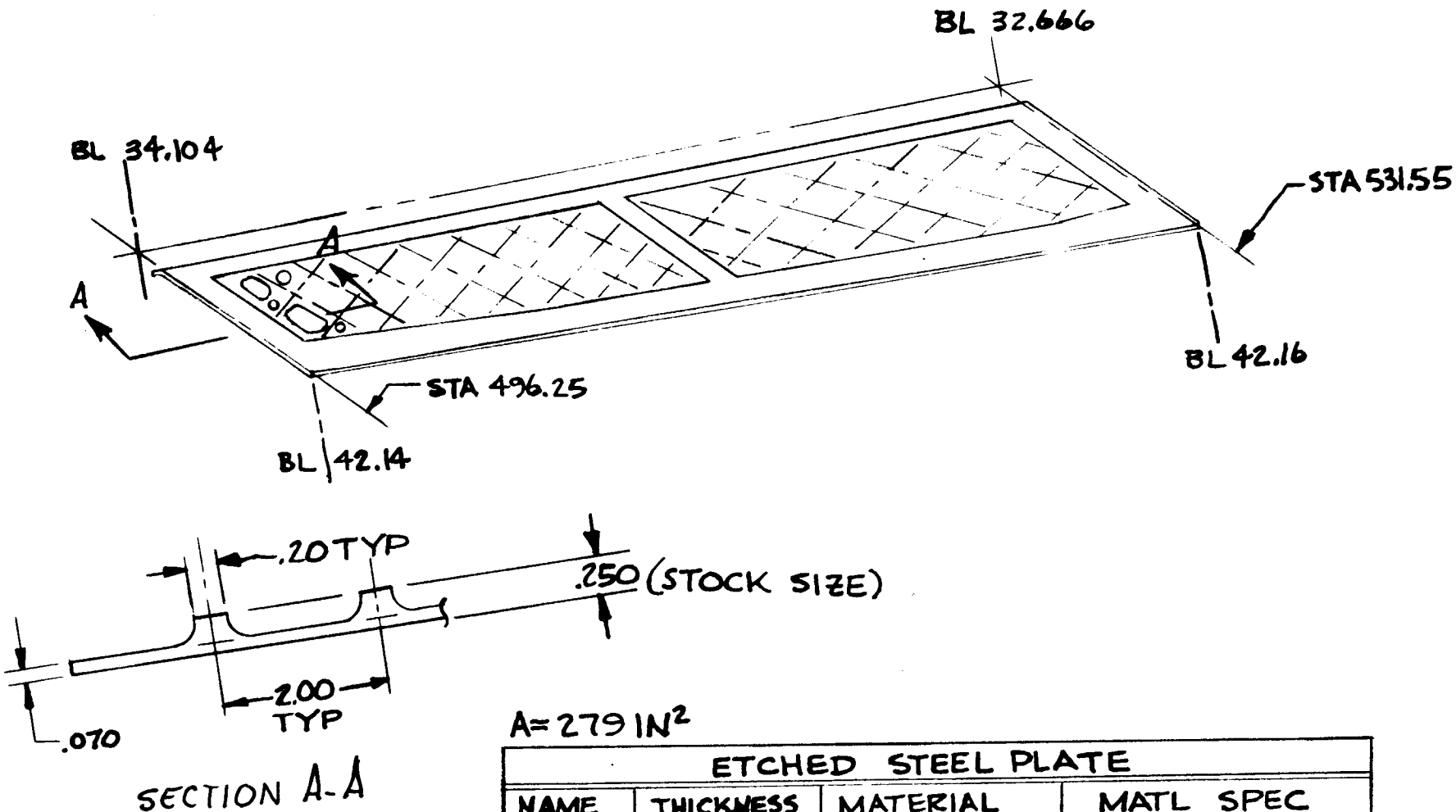
Figure 3-86 12B3936 COVER - NACELLE, CENTER (RIGHT HAND)



AREA=168.7IN^2

	ASSEMBLY			
	NAME	THICKNESS	MATERIAL	MATL SPEC
	DOOR	SHOWN	2024-T81	FMS-1053, TYPE 1
F-111A F-111E	LATCH	C625-20-11	CORROSION RESISTANT STEEL	

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

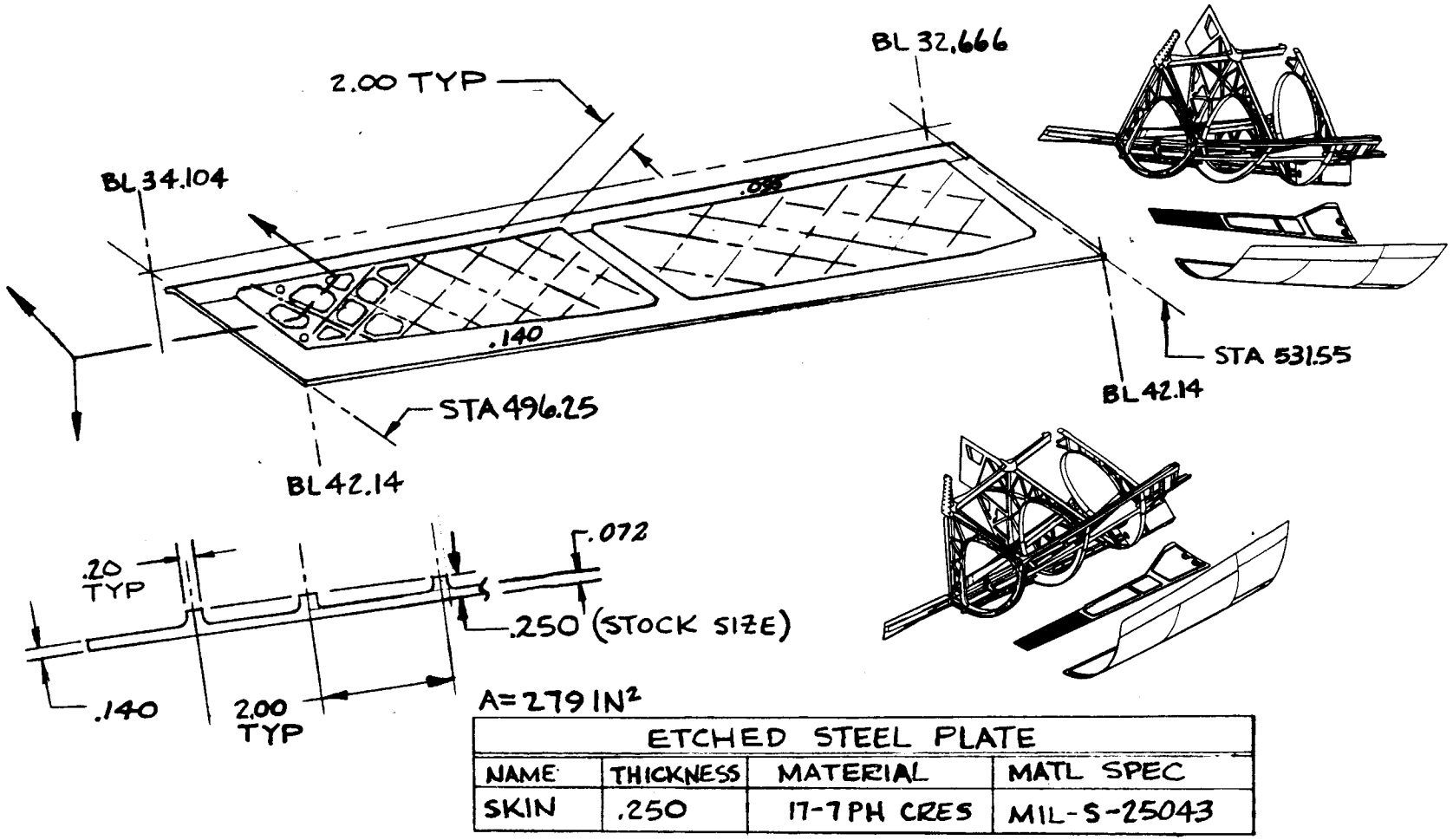


A = 279 IN²

ETCHED STEEL PLATE			
NAME	THICKNESS	MATERIAL	MATL SPEC
SKIN	.250	17-7 PH CRES	MIL-S-25043

F-111A

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



ETCHED STEEL PLATE			
NAME	THICKNESS	MATERIAL	MATL SPEC
SKIN	.250	17-7PH CRES	MIL-S-25043

F-111E/FB-111

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

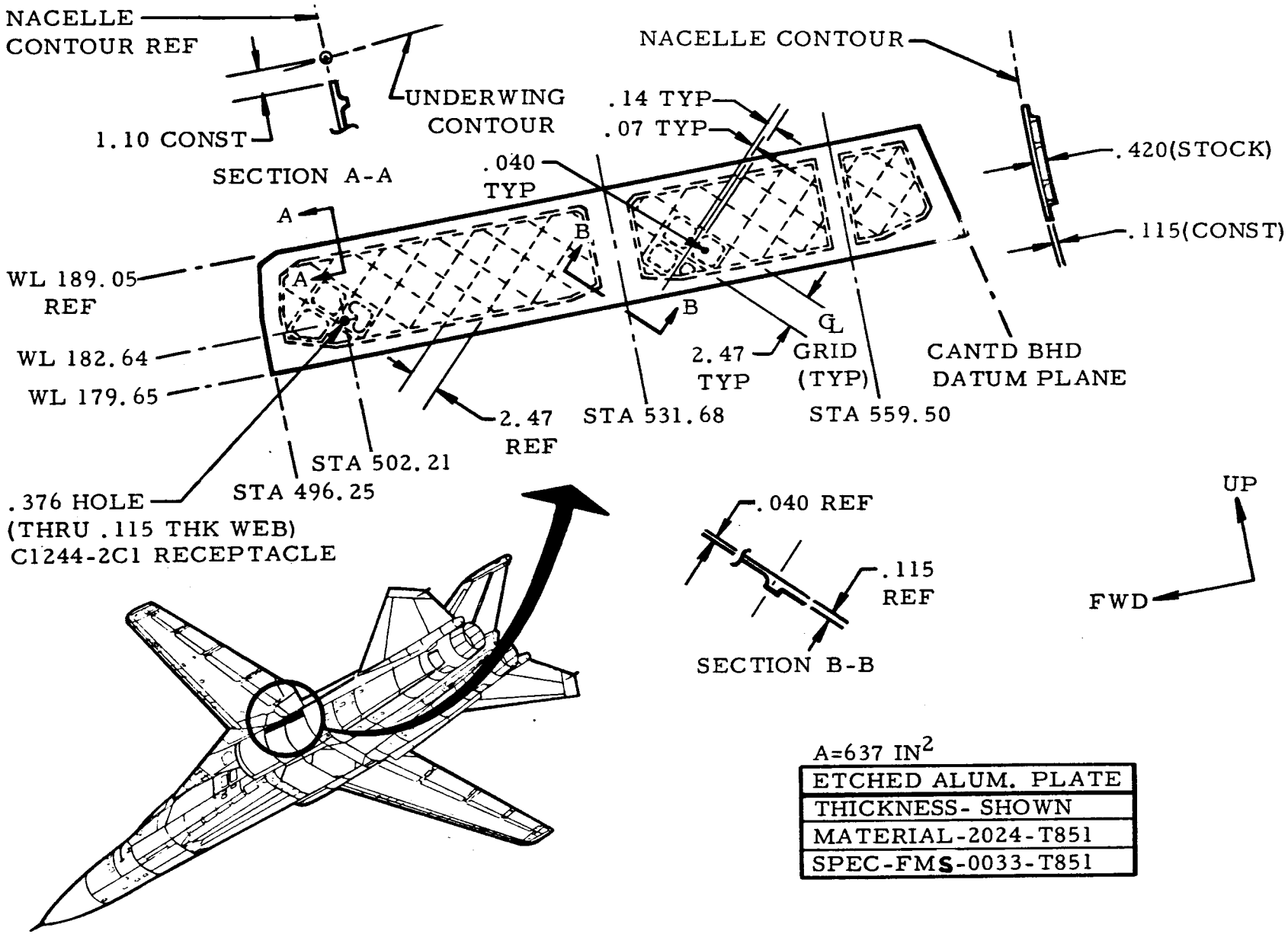
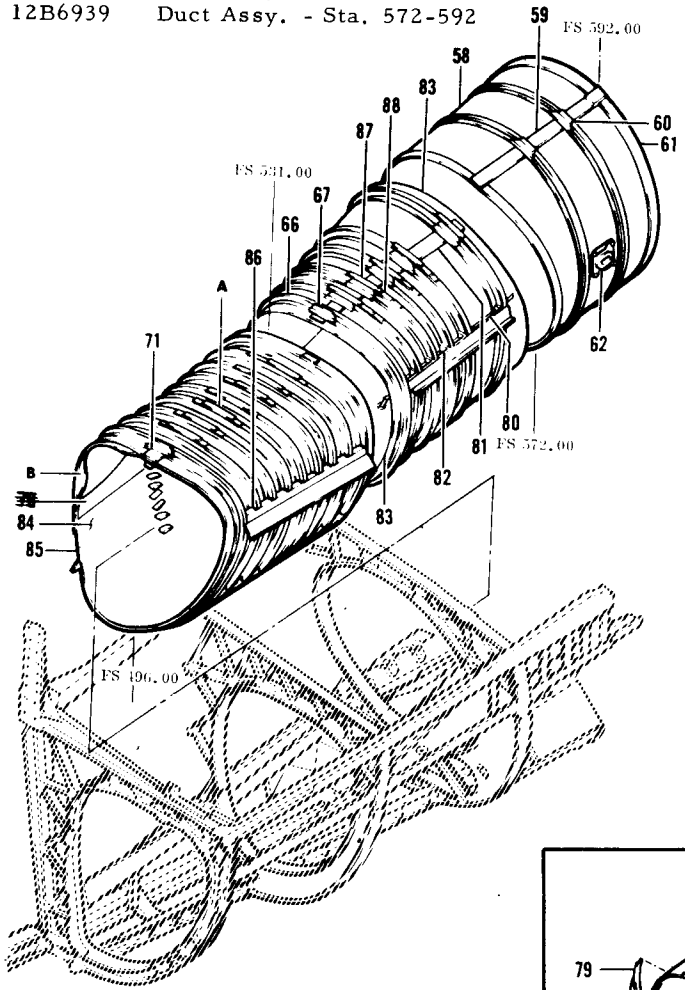
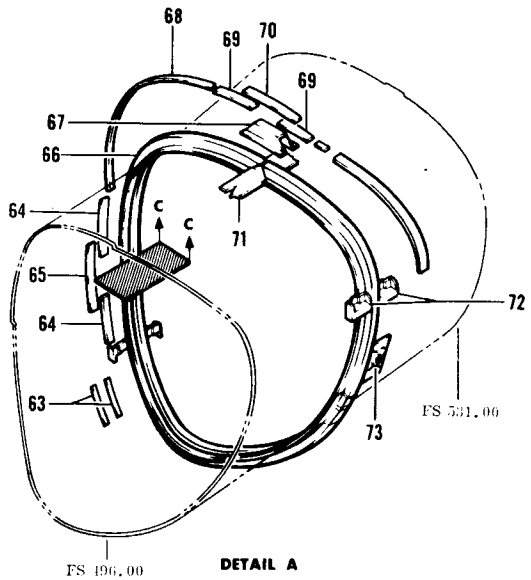
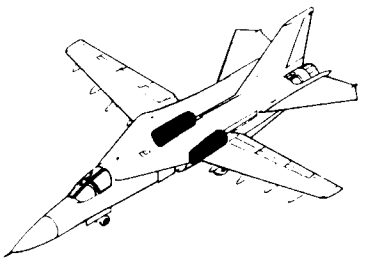


Figure 3-90 12B3912 COVER - NACELLE, UPR. F.S. 496-562(F-111A: A1 31-159)
12B41152 COVER - NACELLE, UPR. F.S. 496-562(F-111E: A1-160-On; FB-111A: B1 3-On)

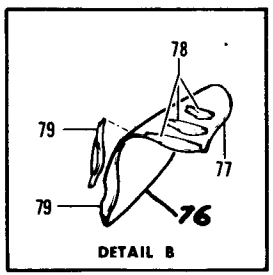
12B6920 Duct Assy. - Sta. 496-531
12B6930 Duct Assy. - Sta. 531-572
12B6939 Duct Assy. - Sta. 572-592







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



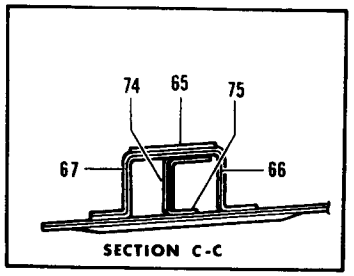
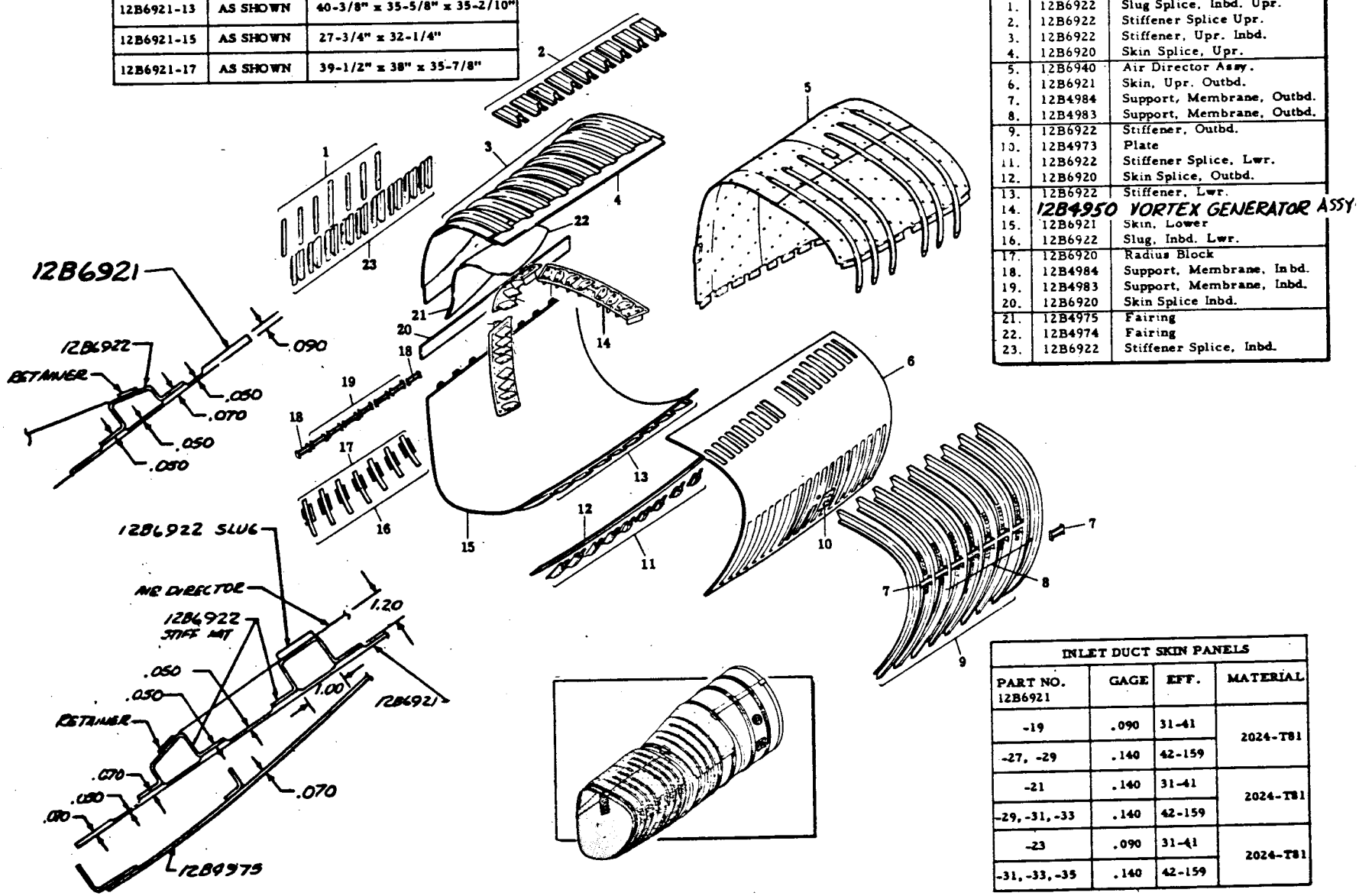


Figure 3-91 F-111A AFT CENTER FUSELAGE - SIDE ASSEMBLY - DUCTS

INLET DUCT SKIN PANELS		
PART NO.	GAGE	SIZE
12B6921-13	AS SHOWN	40-3/8" x 35-5/8" x 35-2/10"
12B6921-15	AS SHOWN	27-3/4" x 32-1/4"
12B6921-17	AS SHOWN	39-1/2" x 38" x 35-7/8"

1.	12B6922	Slug Splice, Inbd. Upr.
2.	12B6922	Stiffener Splice Upr.
3.	12B6922	Stiffener, Upr. Inbd.
4.	12B6920	Skin Splice, Upr.
5.	12B6940	Air Director Assy.
6.	12B6921	Skin, Upr. Outbd.
7.	12B4984	Support, Membrane, Outbd.
8.	12B4983	Support, Membrane, Outbd.
9.	12B6922	Stiffener, Outbd.
10.	12B4973	Plate
11.	12B6922	Stiffener Splice, Lwr.
12.	12B6920	Skin Splice, Outbd.
13.	12B6922	Stiffener, Lwr.
14.	12B4950	VORTEX GENERATOR ASSY
15.	12B6921	Skin, Lower
16.	12B6922	Slug, Inbd. Lwr.
17.	12B6920	Radius Block
18.	12B4984	Support, Membrane, Inbd.
19.	12B4983	Support, Membrane, Inbd.
20.	12B6920	Skin Splice Inbd.
21.	12B4975	Fairing
22.	12B4974	Fairing
23.	12B6922	Stiffener Splice, Inbd.

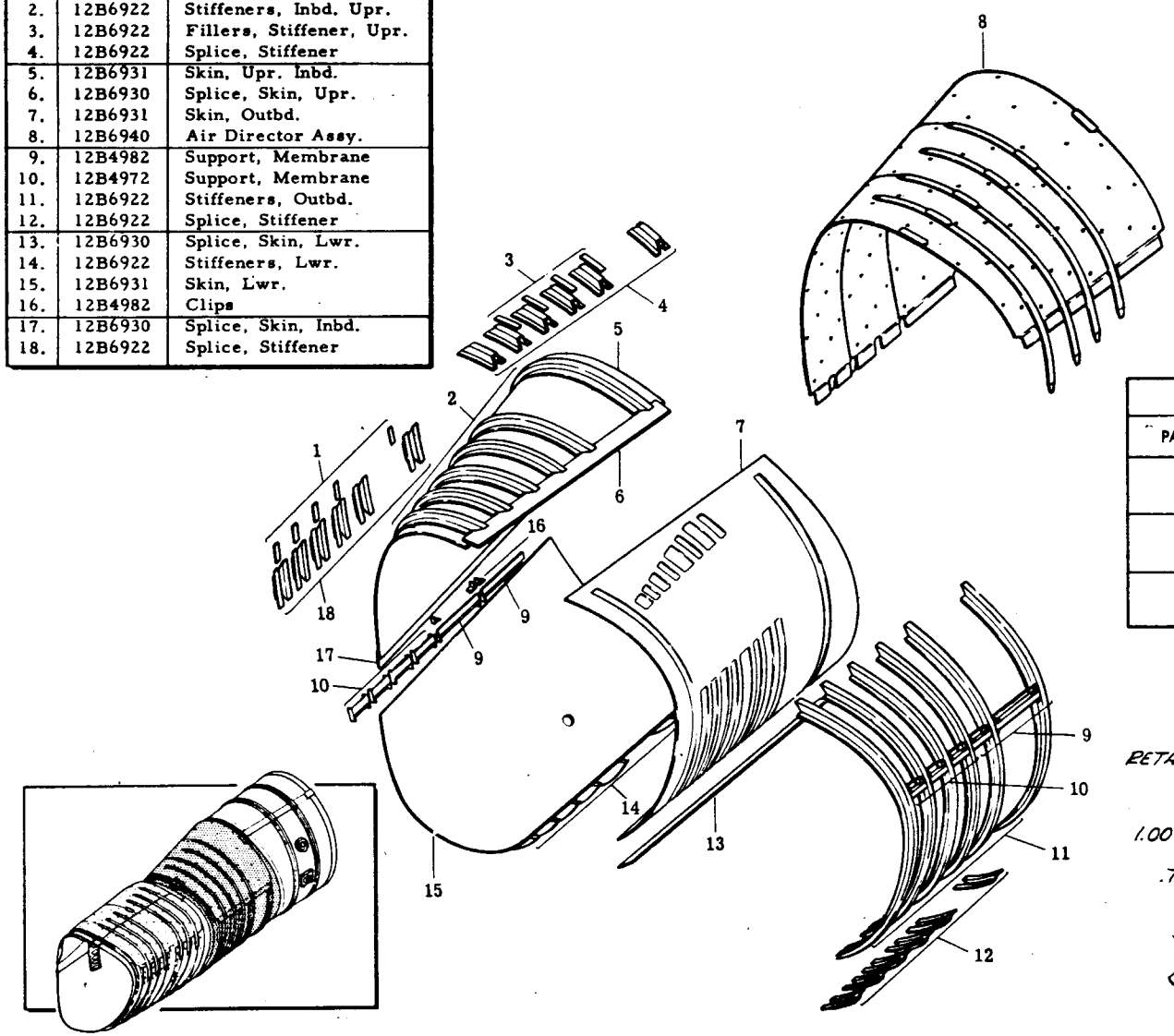


INLET DUCT SKIN PANELS			
PART NO. 12B6921	GAGE	EFF.	MATERIAL
-19	.090	31-41	2024-T81
-27, -29	.140	42-159	
-21	.140	31-41	2024-T81
-29, -31, -33	.140	42-159	
-23	.090	31-41	2024-T81
-31, -33, -35	.140	42-159	

Figure 3-92 F-111A INLET DUCT - FORWARD SECTION

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	$30\frac{1}{2}$" x $38\frac{1}{2}$" x $39\frac{1}{2}$" x 29"
12B6931-9	AS SHOWN	$29\frac{1}{4}$" x $32\frac{1}{16}$" x $38\frac{11}{16}$" x $44\frac{7}{16}$"
12B6931-11	AS SHOWN	$46\frac{1}{8}$" x $39\frac{1}{8}$"

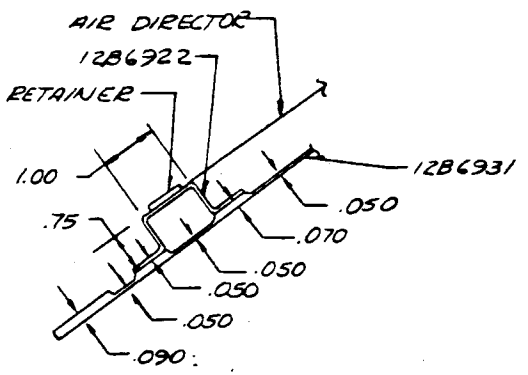
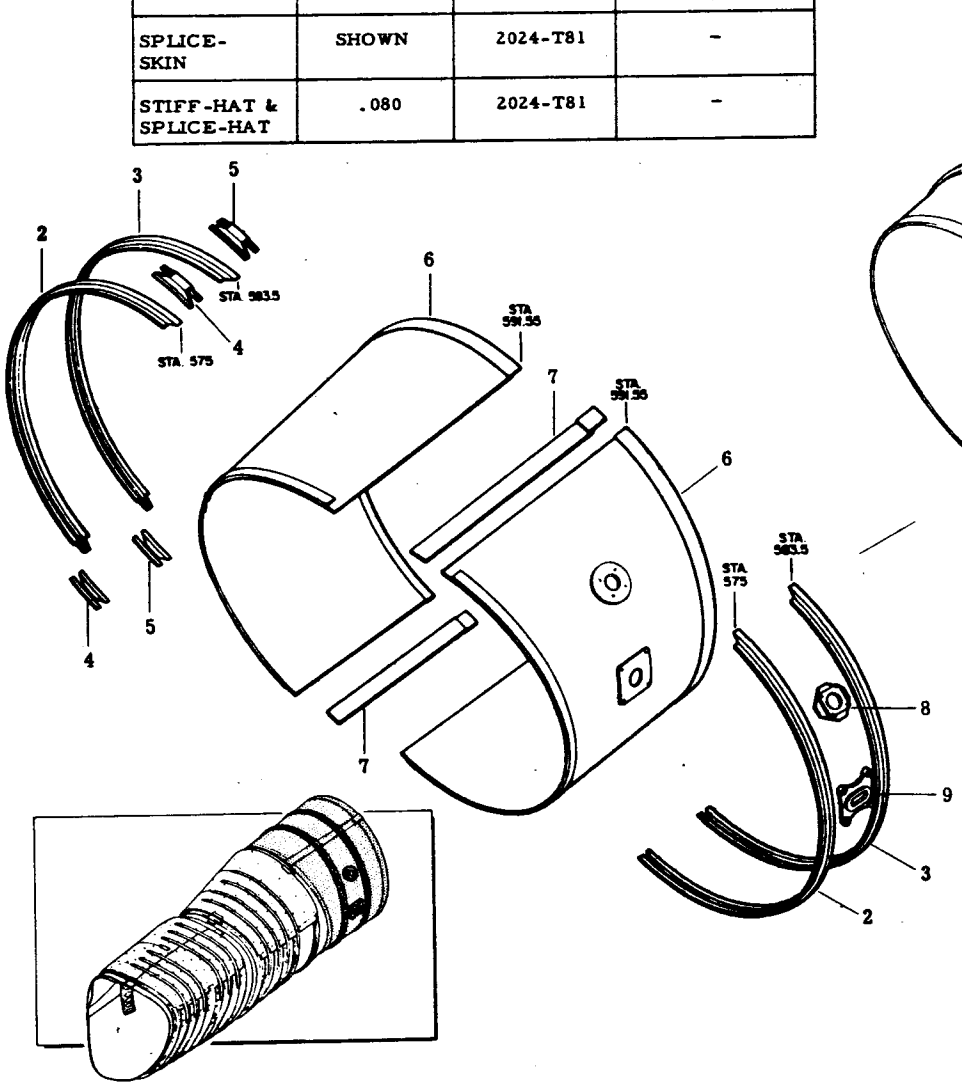


Figure3-93 F-111A INLET DUCT - MIDDLE SECTION

ST-839-151A

INLET DUCT SKIN PANELS			
NAME	THICKNESS	MATERIAL	SIZE
SKIN	SHOWN	2024-T81	69-1/8 x 19-1/9 x 22-1/8
SPLICE-SKIN	SHOWN	2024-T81	-
STIFF-HAT & SPLICE-HAT	.080	2024-T81	-

1.	12B6939	Duct Assy. Sta. 572 - 592
2.	12B6939	Hat, Stiffener Sta. 575
3.	12B6939	Hat, Stiffener Sta. 583.5
4.	12B6939	Splice, Hat Sta. 575
5.	12B6939	Splice, Hat Sta. 583.5
6.	12B6939	Skin
7.	12B6939	Splice Skin
8.	12B4968	Support Assy.
9.	12B4967	Bracket Assy.



INLET DUCT SKIN PANELS				
NAME	GAGE	EFF(A1)	MATERIAL	MATL SPEC.
SKIN	.140	31-41	2024-T81	FMS-1053 TYPE I
	.140	42-159		
SPLICE-SKIN	.140	31-41	2024-T81	FMS-1053 TYPE I
	.140	42-159		
STIFF. HAT & SPLICE-HAT	.080	31-41	2024-T	FMS-1053
	.080	42-159		

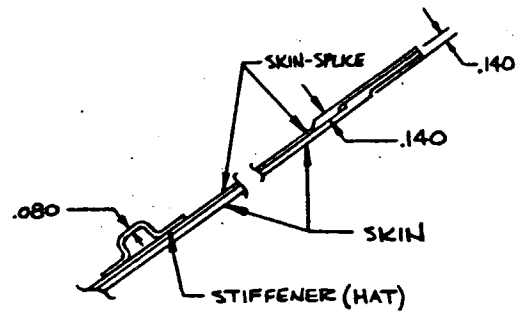
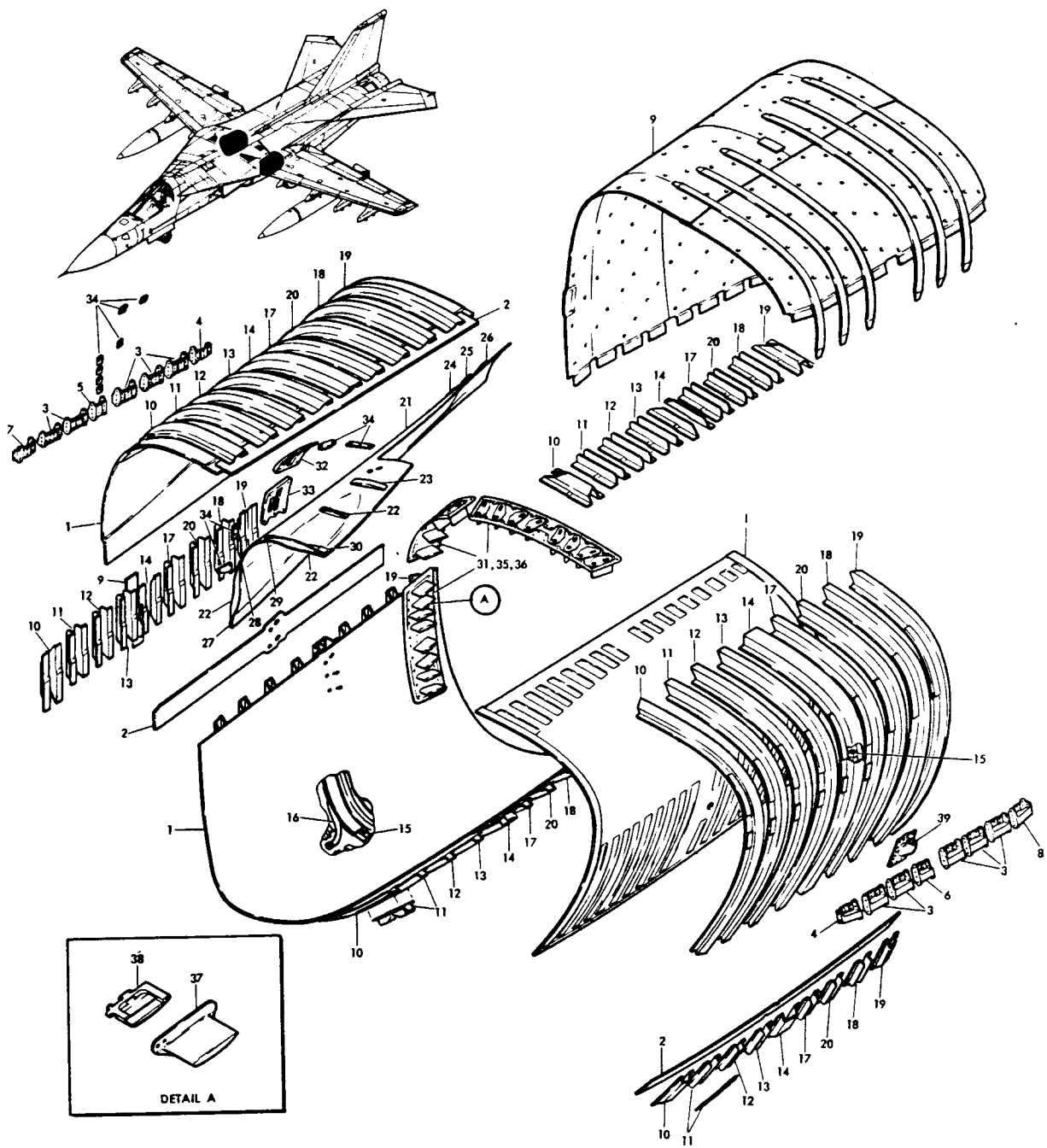


Figure3-94 F-111A INLET DUCT - AFT SECTION

ST-839-153A



	12841280	DUCT ASSY
1.	12841251	Skins
2.	12841280	Splice, Skin
3.	12841255	Support, Membrane
4.	12841256	Support, Membrane
5.	12841266	Support, Membrane
6.	12841268	Support, Membrane
7.	12841278	Support, Membrane
8.	12841279	Support, Membrane
9.	12841281	Air Director Installation
10.	12841282	Stiffener Installation Sta. 499.22
11.	12841283	Stiffener Installation Sta. 503.07
12.	12841284	Stiffener Installation Sta. 506.74
13.	12841285	Stiffener Installation Sta. 510.40
14.	12841286	Stiffener Installation Sta. 512.73
15.	12841164	Stop, Inlet De-Icing Airline
16.	12841165	Adaptor De-Icing Airline
17.	12841287	Stiffener Installation Sta. 517.60
18.	12841289	Stiffener Installation Sta. 524.85
19.	12841290	Stiffener Installation Sta. 528.74
20.	12841291	Stiffener Installation Sta. 521.15
21.	12841263	Skin
22.	12841263	Stiffener, Spike Island Fairing
23.	12841292	Support, Spike Island Fairing
24.	12841293	Support, Spike Island Fairing
25.	12841294	Support, Spike Island Fairing
26.	12841295	Support, Spike Island Fairing
27.	12841296	Support, Spike Island Fairing
28.	12841297	Support, Spike Island Fairing
29.	12841298	Support, Spike Island Fairing
30.	12841299	Support, Spike Island Fairing
31.	12841275	Vortex Generator Installation
32.	12841269	Support, Spike Island Fairing
33.	12841276	Support, Spike Island Fairing
34.	12841277	Shims
35.	12841273	Vortex Generator Assemblies
36.	12841274	Plate, Vortex Generator
37.	1284954	Vane, Vortex Generator
38.	1284955	Core, Vortex Generator
39.	12P8769	Adaptor Pressure Port Insert Tube

INLET DUCT SKIN PANELS			
PART NO.	GAGE	MATERIAL	MAT'L SPEC
12841251-11/-12	.140	2024-T81	FMS-1053, TYPE 1
12841251-13/-14	.140	2024-T81	FMS-1053, TYPE 1
12841251-15/-16	.140	2024-T81	FMS-1053, TYPE 1

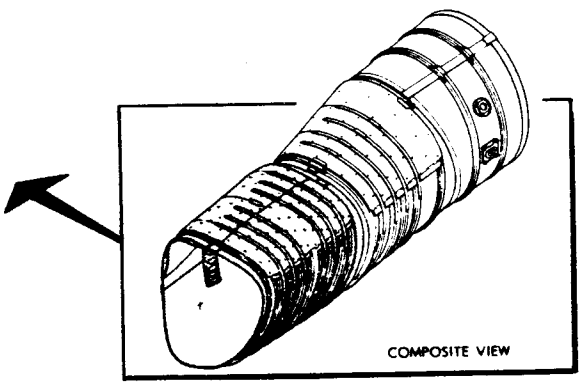


Figure 3-95 INLET DUCT - FORWARD SECTION (F-111E: A1:160 & On; FB-111A: 3 & On)

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

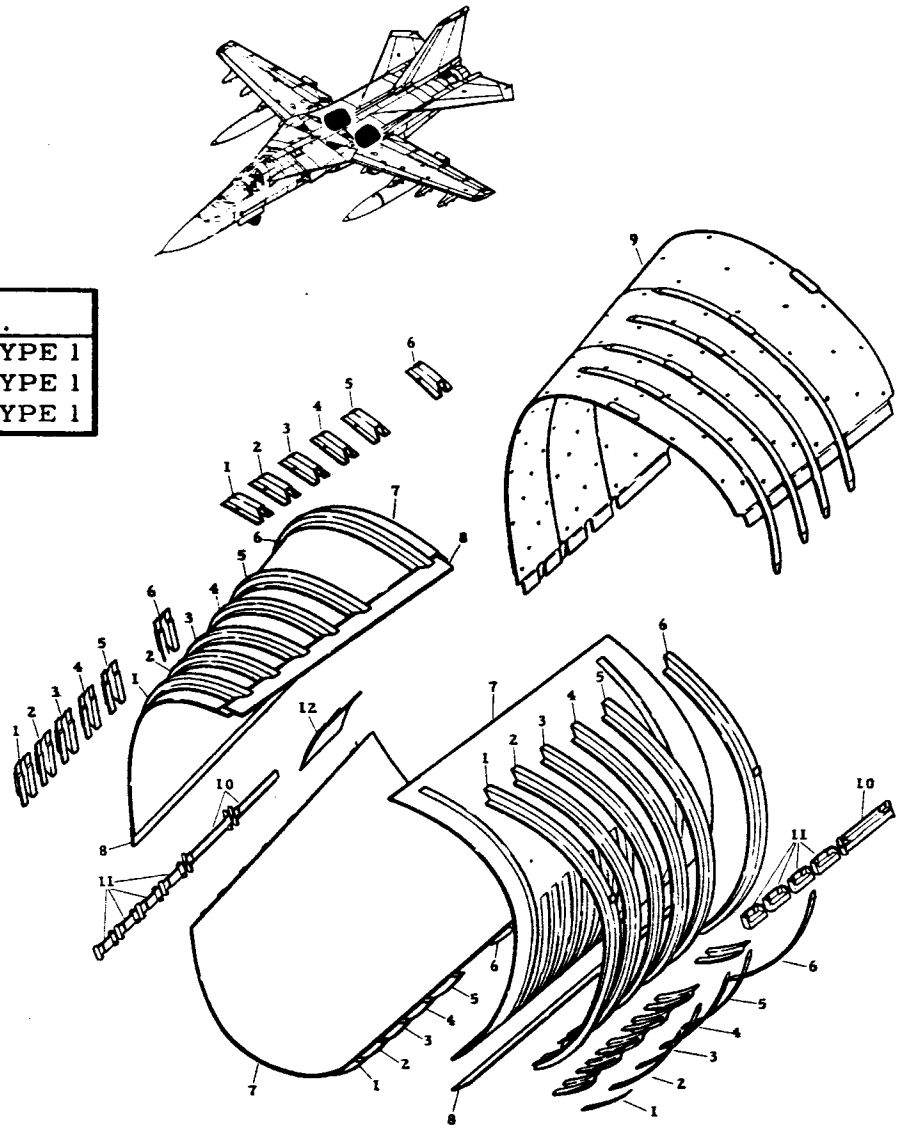
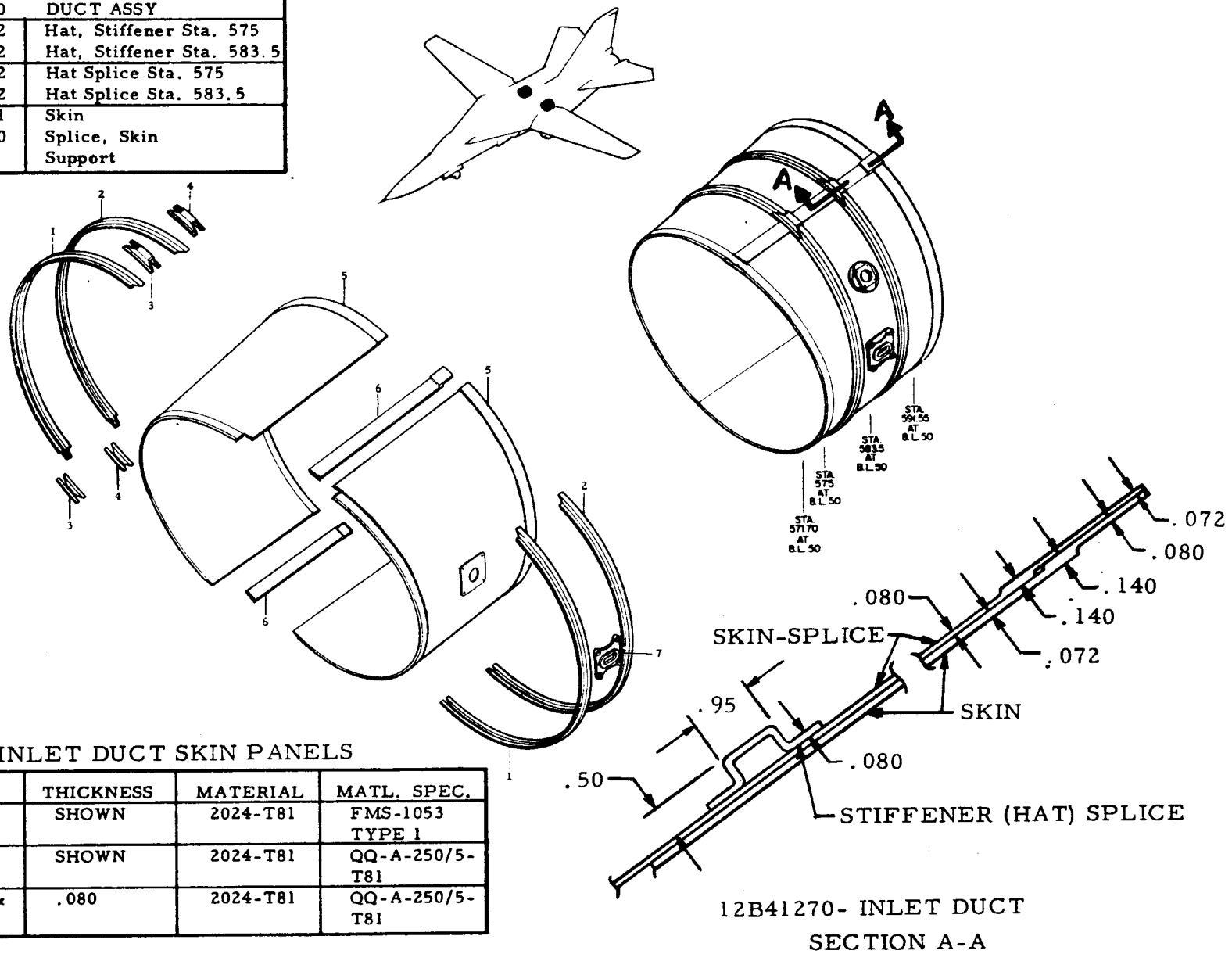


Figure 3-96 INLET DUCT - MIDDLE SECTION (F-111E: A1:160 & On; FB-111A: 3 & On)

ST-839-152A

	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

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

ST-839-154A

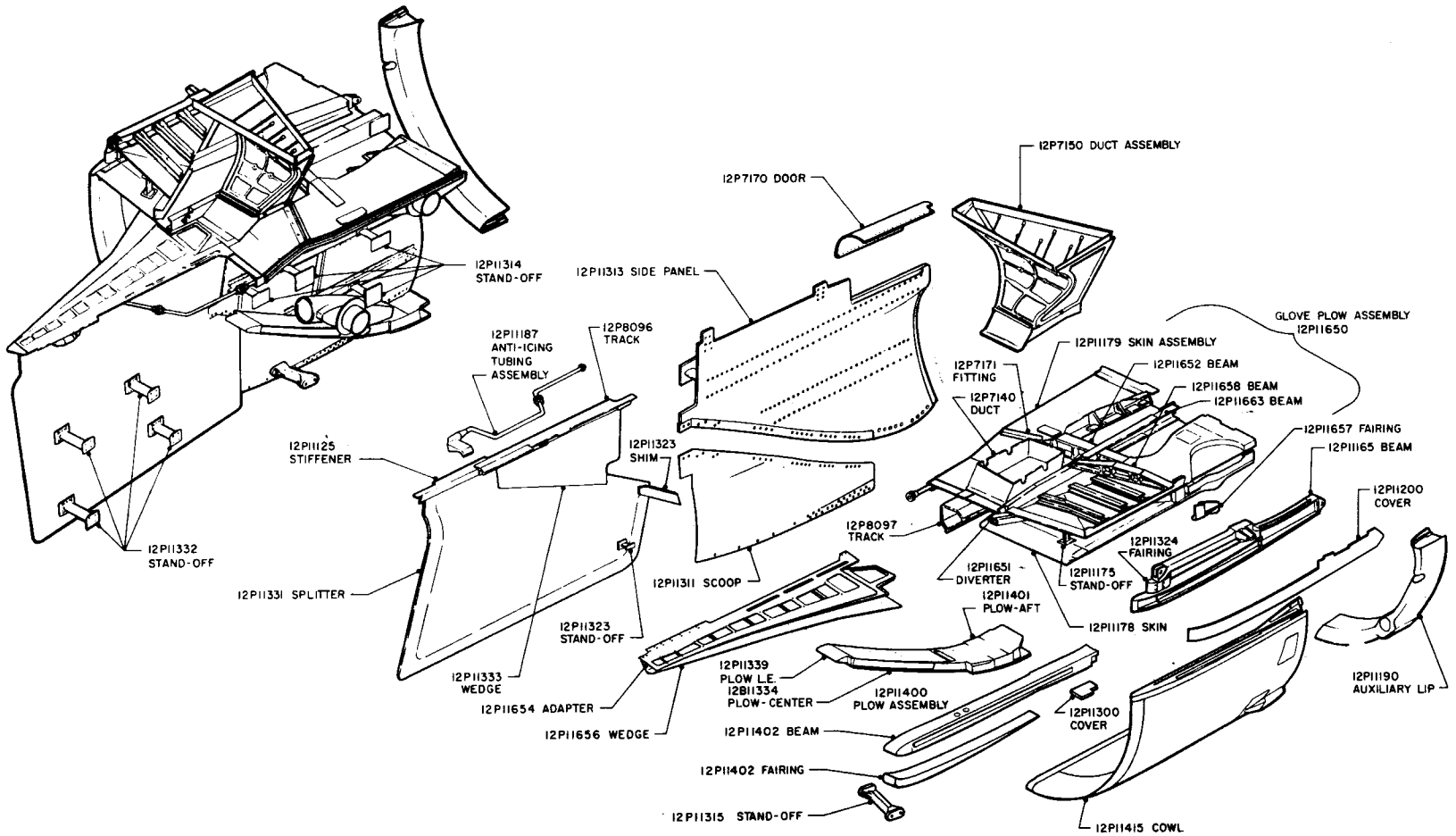


Figure 3-98 F-111A NACELLE INLET

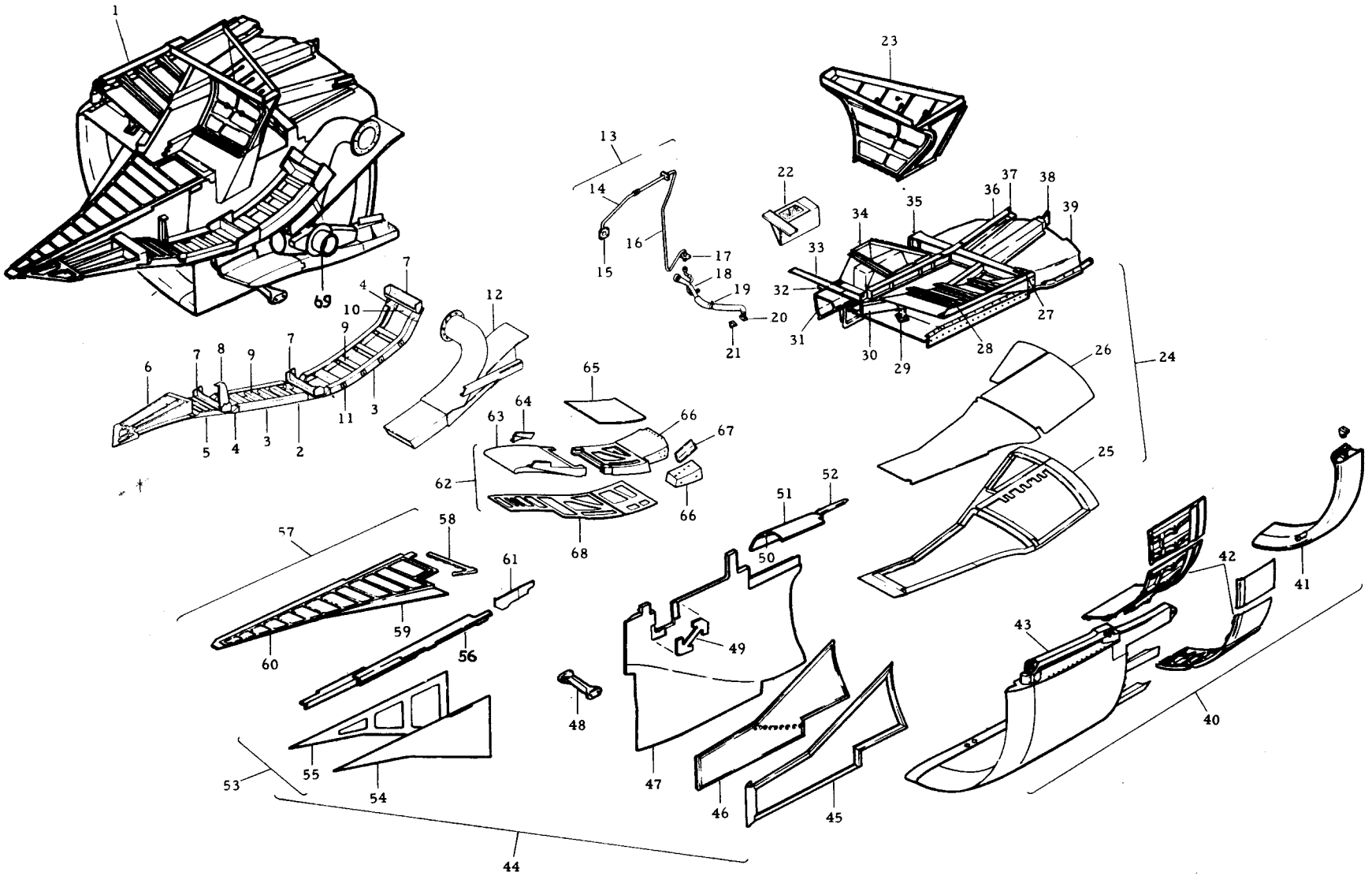
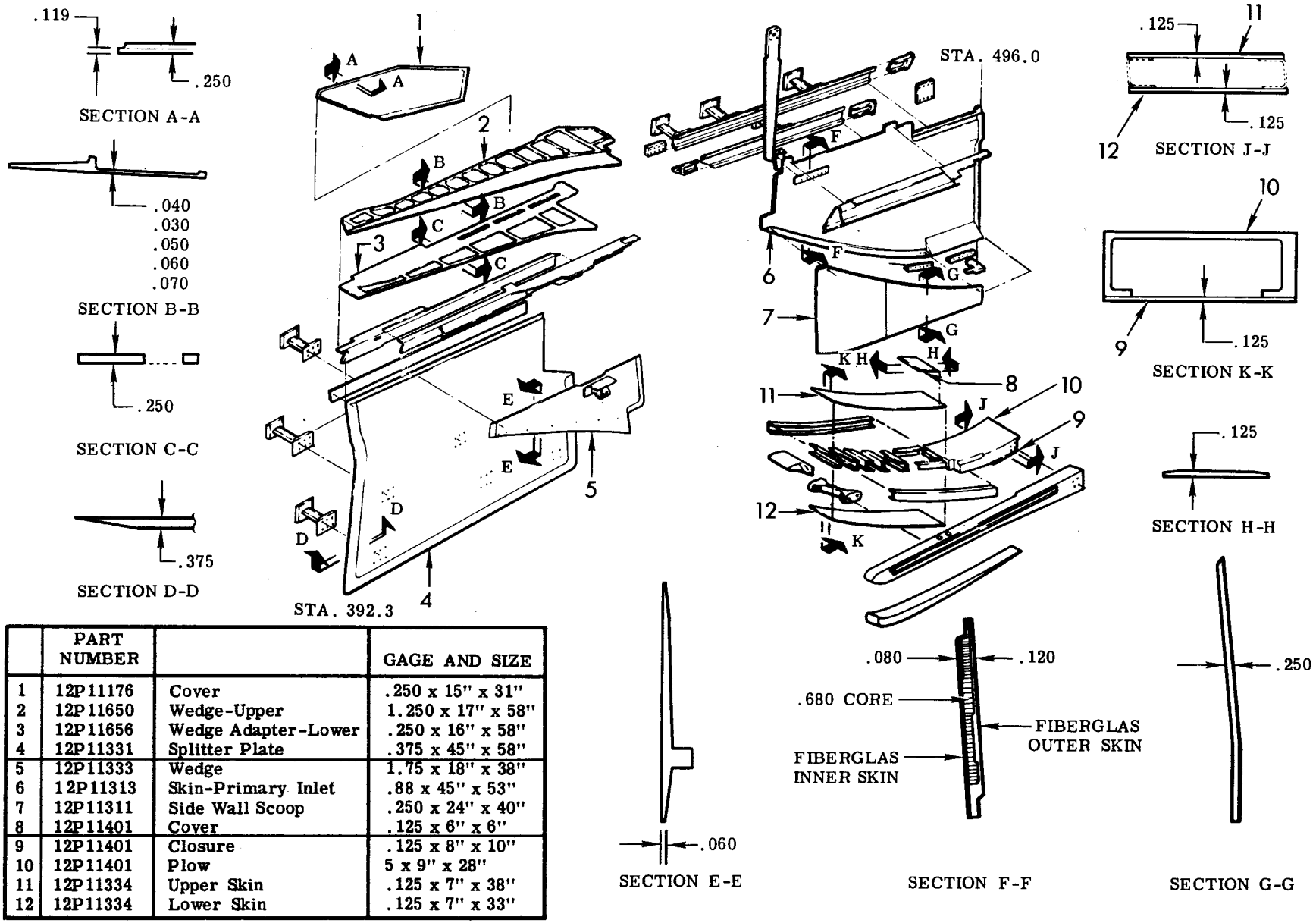


Figure 3-99 NACELLE INLET ASSEMBLY (FB-111A: B1 3-19; F-111E: A1 160-189)

ST-776-154A
Sheet 1 of 2

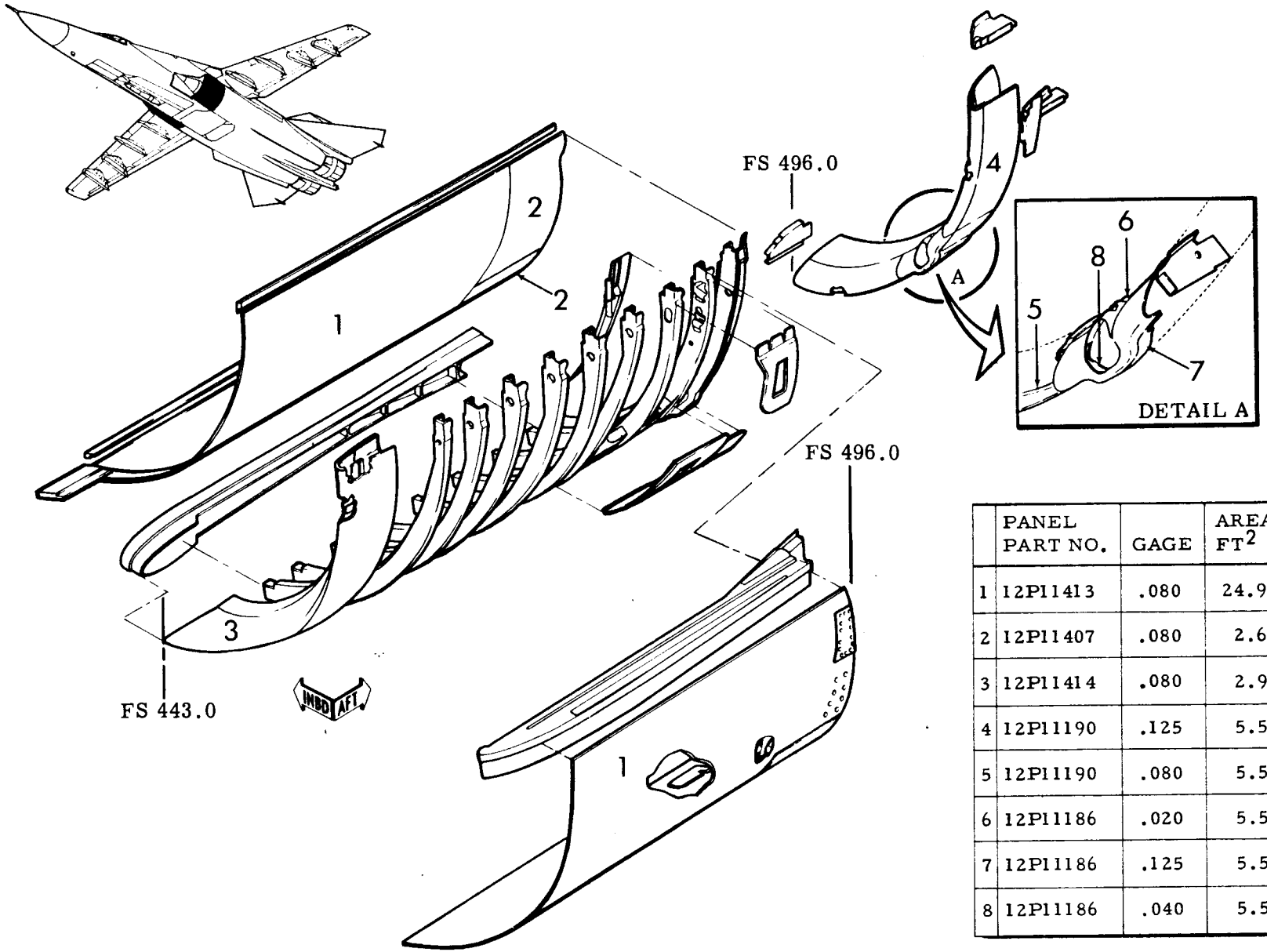
1.	12P12200	Inlet Installation
2.	12P12177	Diverter Installation
3.	12P12175	Diverter Assy.
4.	12P12169	Fitting Details
5.	12P12181	Fwd. Diverter
6.	12P12176	Diverter L.E.
7.	12P12174	Support Details
8.	12P12230	Support
9.	12P12199	Channel
10.	12P12168	Filler Details
11.	12P12201	Shim
12.	12Y1438	Duct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

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



	PART NUMBER		GAGE AND SIZE
1	12P11176	Cover	.250 x 15" x 31"
2	12P11650	Wedge-Upper	1.250 x 17" x 58"
3	12P11656	Wedge Adapter-Lower	.250 x 16" x 58"
4	12P11331	Splitter Plate	.375 x 45" x 58"
5	12P11333	Wedge	1.75 x 18" x 38"
6	12P11313	Skin-Primary Inlet	.88 x 45" x 53"
7	12P11311	Side Wall Scoop	.250 x 24" x 40"
8	12P11401	Cover	.125 x 6" x 6"
9	12P11401	Closure	.125 x 8" x 10"
10	12P11401	Plow	5 x 9" x 28"
11	12P11334	Upper Skin	.125 x 7" x 38"
12	12P11334	Lower Skin	.125 x 7" x 33"

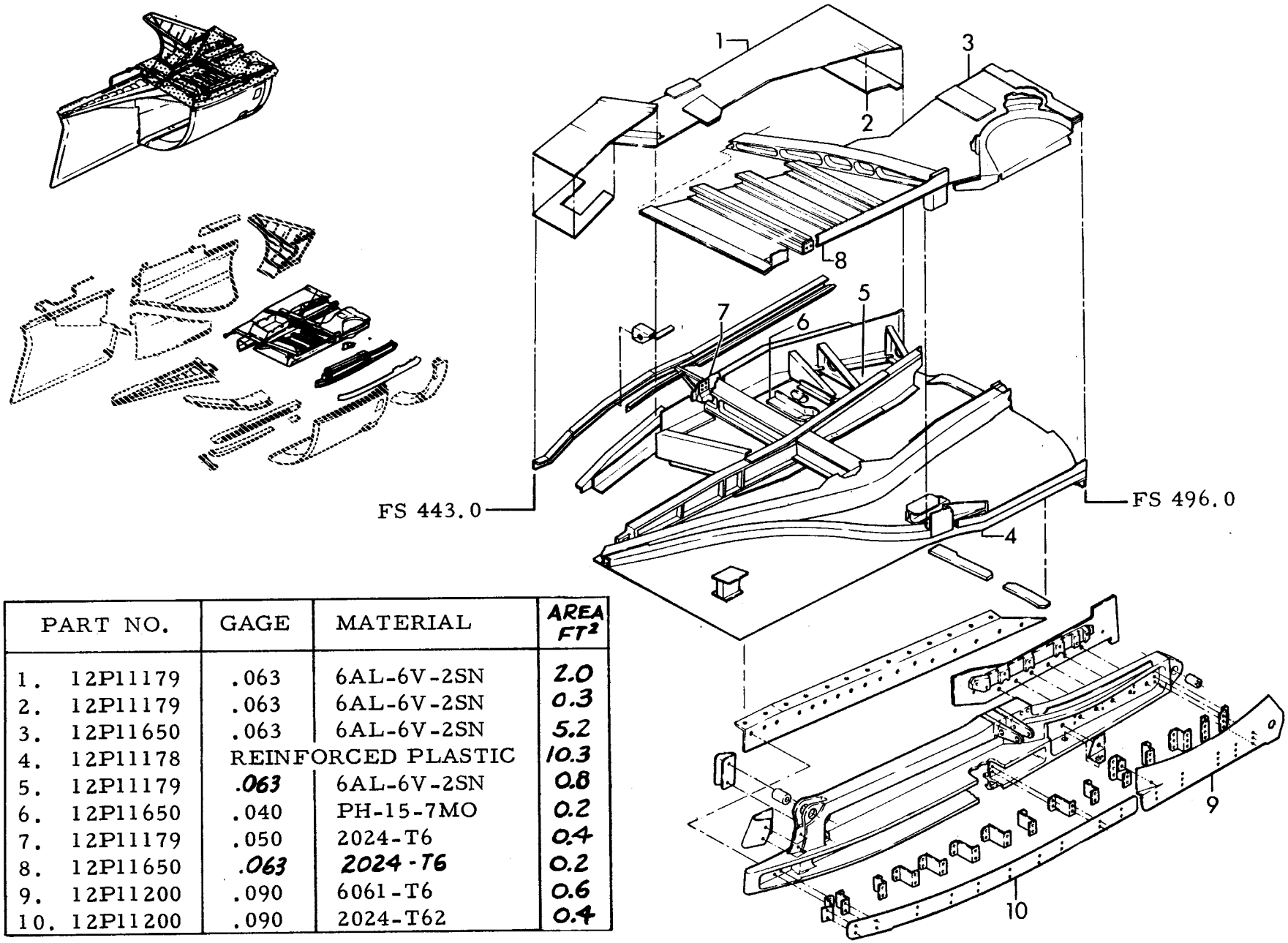
Figure 3-100 NACELLE INLET - SPLITTER PLATE, WEDGE AND PLOW (F-111A: A1 31-159)



	PANEL PART NO.	GAGE	AREA FT^2
1	12P11413	.080	24.9
2	12P11407	.080	2.6
3	12P11414	.080	2.9
4	12P11190	.125	5.5
5	12P11190	.080	5.5
6	12P11186	.020	5.5
7	12P11186	.125	5.5
8	12P11186	.040	5.5

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

ST-776-156A



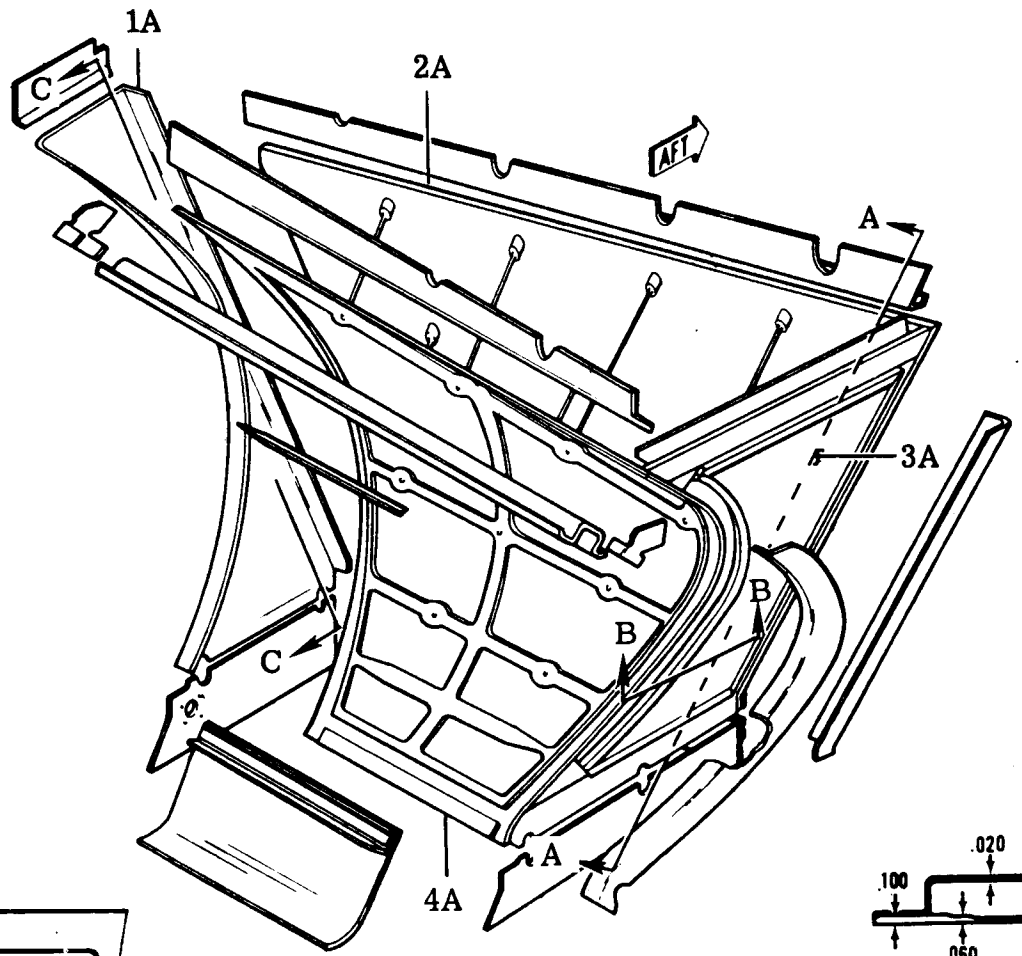
PART NO.	GAGE	MATERIAL	AREA FT²
1. 12P11179	.063	6AL-6V-2SN	2.0
2. 12P11179	.063	6AL-6V-2SN	0.3
3. 12P11650	.063	6AL-6V-2SN	5.2
4. 12P11178	REINFORCED PLASTIC		10.3
5. 12P11179	.063	6AL-6V-2SN	0.8
6. 12P11650	.040	PH-15-7MO	0.2
7. 12P11179	.050	2024-T6	0.4
8. 12P11650	.063	2024-T6	0.2
9. 12P11200	.090	6061-T6	0.6
10. 12P11200	.090	2024-T62	0.4

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

ST-776-157A

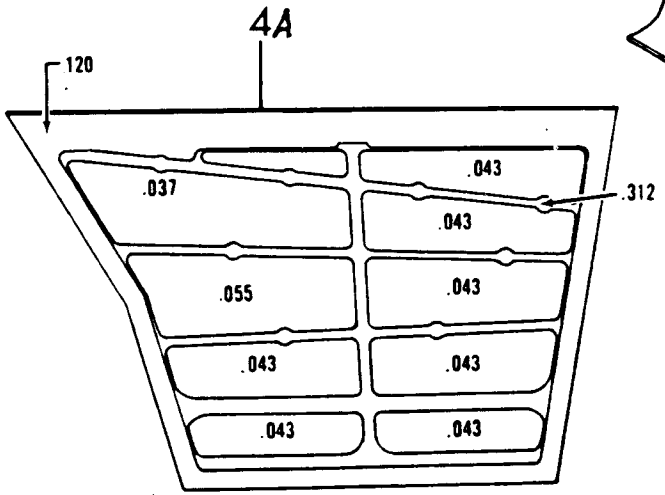


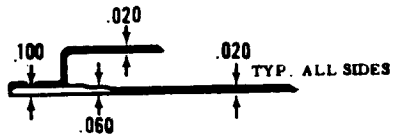
SECTION CC





SECTION AA

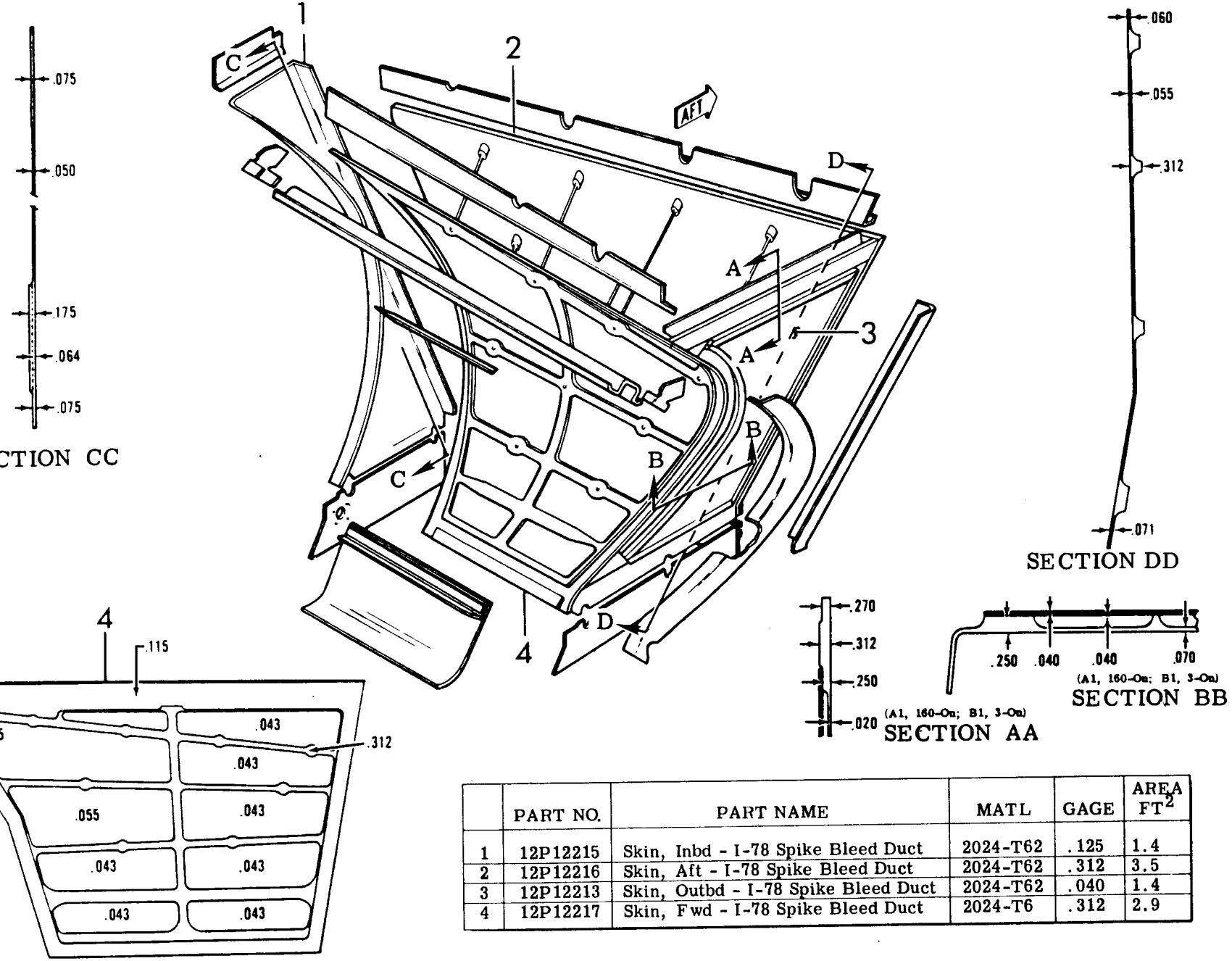




SECTION B-B

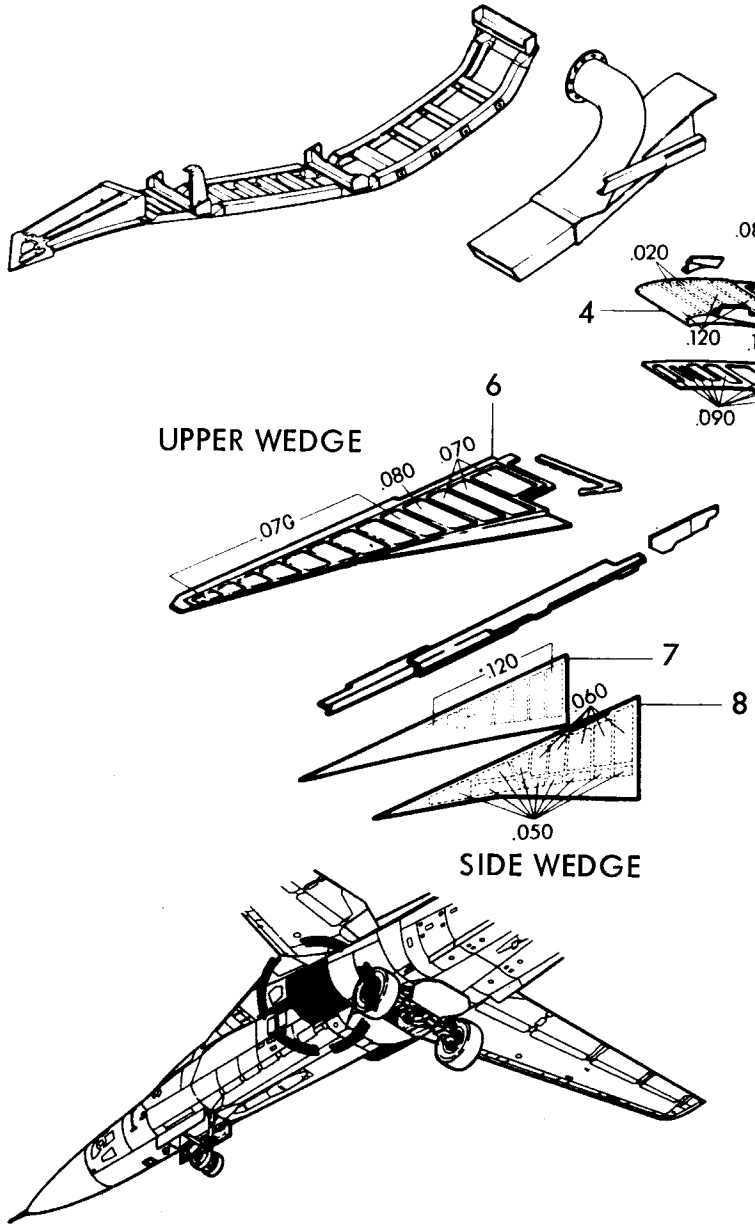
	PART NO.	PART NAME	MATL	GAGE	AREA FT^2
1A	12P7144	Skin, Inbd - Spike Bleed Duct	2024-T6	.080	1.45
2A	12P7149	Skin, Aft - Spike Bleed Duct	2024-T86	.020	3.4
		Skin (Core)	P021-1C	.280	3.4
		Skin	2024-T86	.100	3.4
3A	12P7148	Skin, Outbd - Spike Bleed Duct	2024-T86	.100	2.1
		Skin (Core)	P021-1C	.570	1.4
		Skin	2024-T86	.020	2.1
4A	12P7147	Skin, Fwd - Spike Bleed Duct	2024-T81	.312	4.3

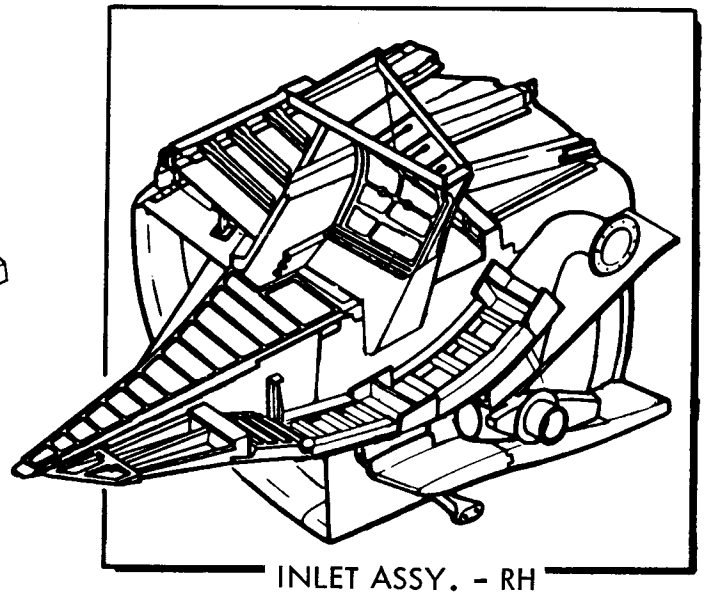
Figure 3-103 BLEED EXIT DUCT SKIN DIMENSIONS (F-111A: A1 31-159)



	PART NO.	PART NAME	MATL	GAGE	AREA FT^2
1	12P12215	Skin, Inbd - I-78 Spike Bleed Duct	2024-T62	.125	1.4
2	12P12216	Skin, Aft - I-78 Spike Bleed Duct	2024-T62	.312	3.5
3	12P12213	Skin, Outbd - I-78 Spike Bleed Duct	2024-T62	.040	1.4
4	12P12217	Skin, Fwd - I-78 Spike Bleed Duct	2024-T6	.312	2.9

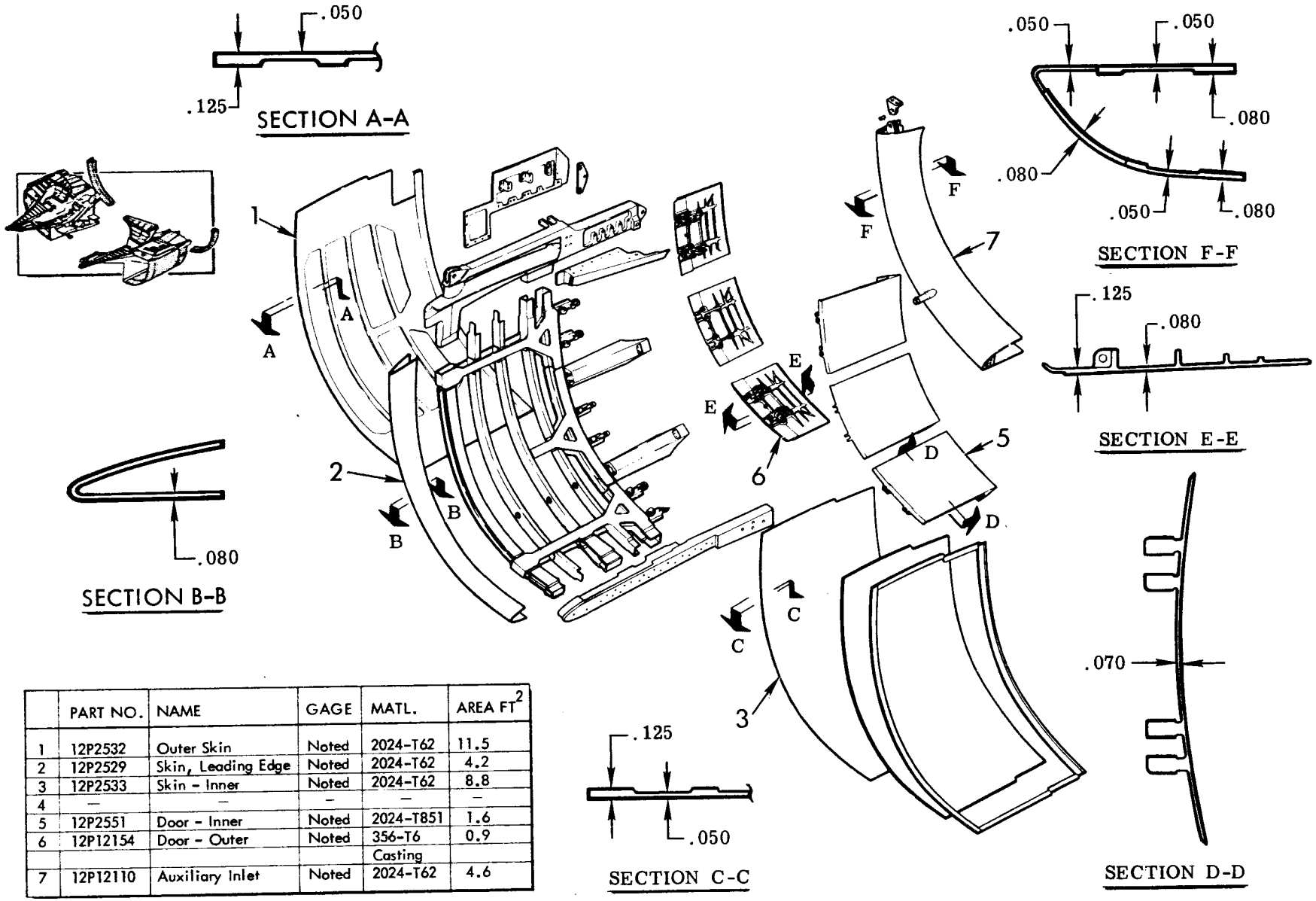
Figure 3-103A BLEED EXIT DUCT SKIN DIMENSIONS (FB-111A: B1 3 & on; F-111E: A1 160 & on)





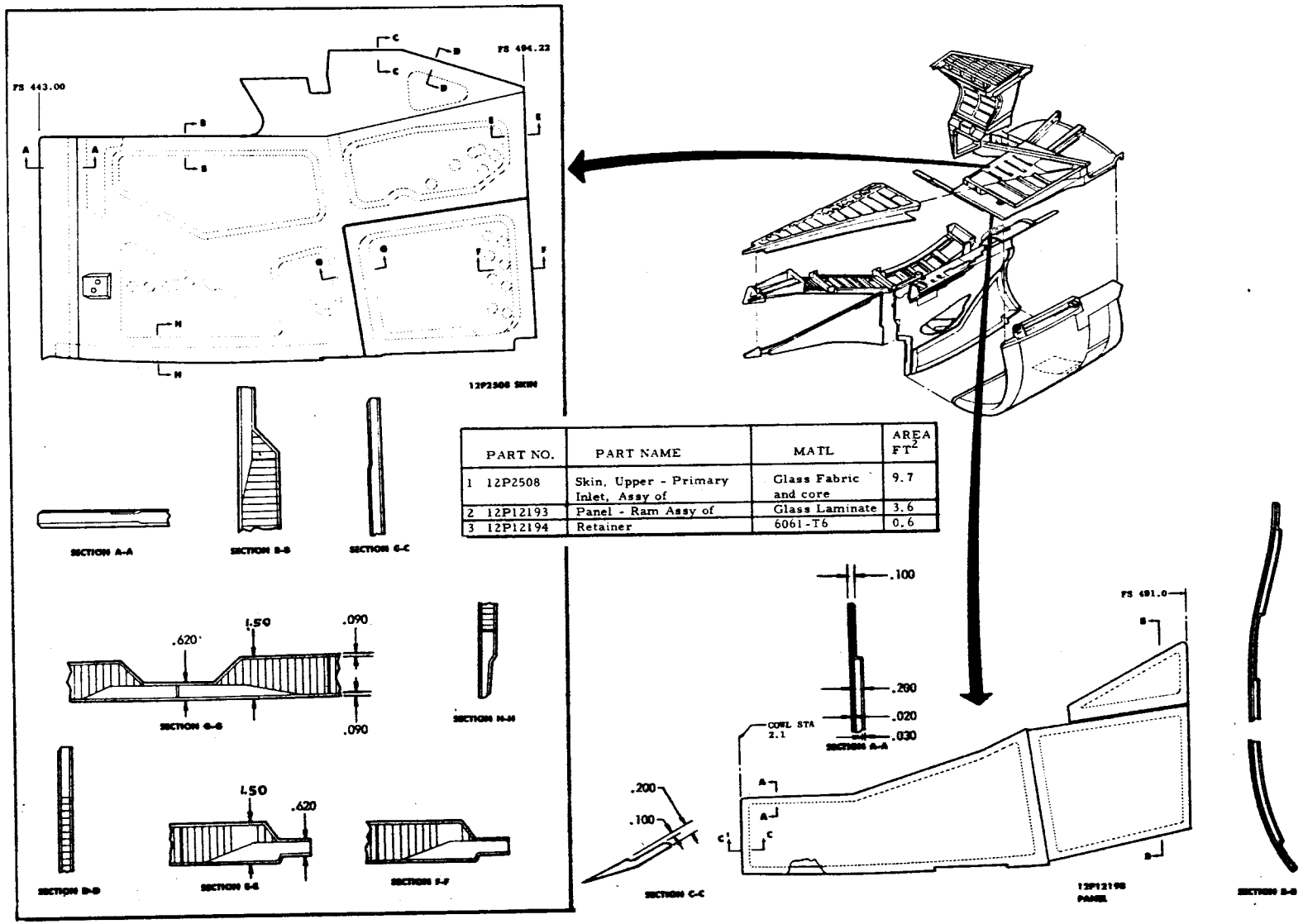
	PART NO.	NAME	GAGE	MATL.	AREA FT^2
1	12P12202	Cover	.080 Min. (Etched)	PH15-7 Mo	0.9
2	12P12202	Skin, Upper	.080 Min. (Etched)	2024-T81	1.1
3	12P2496	Plow		Casting (17-4Ph)	
4	12P12171	L.E. Plow		Casting (A356-T6)	
5	12P12202	Skin, Lower	.090 Min. (Etched)	2024-T6	2.8
6	12P2507	Wedge, Upper	.070 Min. (Mach)	2024-T851	4.8
7	12P12178	Filler, Side Wedge	.060 Min. (Mach)	2024-T851	4.1
8	12P2485	Wedge, Side	.050 Min. (Mach)	2024-T851	2.7

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



	PART NO.	NAME	GAGE	MATL.	AREA FT^2
1	12P2532	Outer Skin	Noted	2024-T62	11.5
2	12P2529	Skin, Leading Edge	Noted	2024-T62	4.2
3	12P2533	Skin - Inner	Noted	2024-T62	8.8
4	—	—	—	—	—
5	12P2551	Door - Inner	Noted	2024-T851	1.6
6	12P12154	Door - Outer	Noted	356-T6 Casting	0.9
7	12P12110	Auxiliary Inlet	Noted	2024-T62	4.6

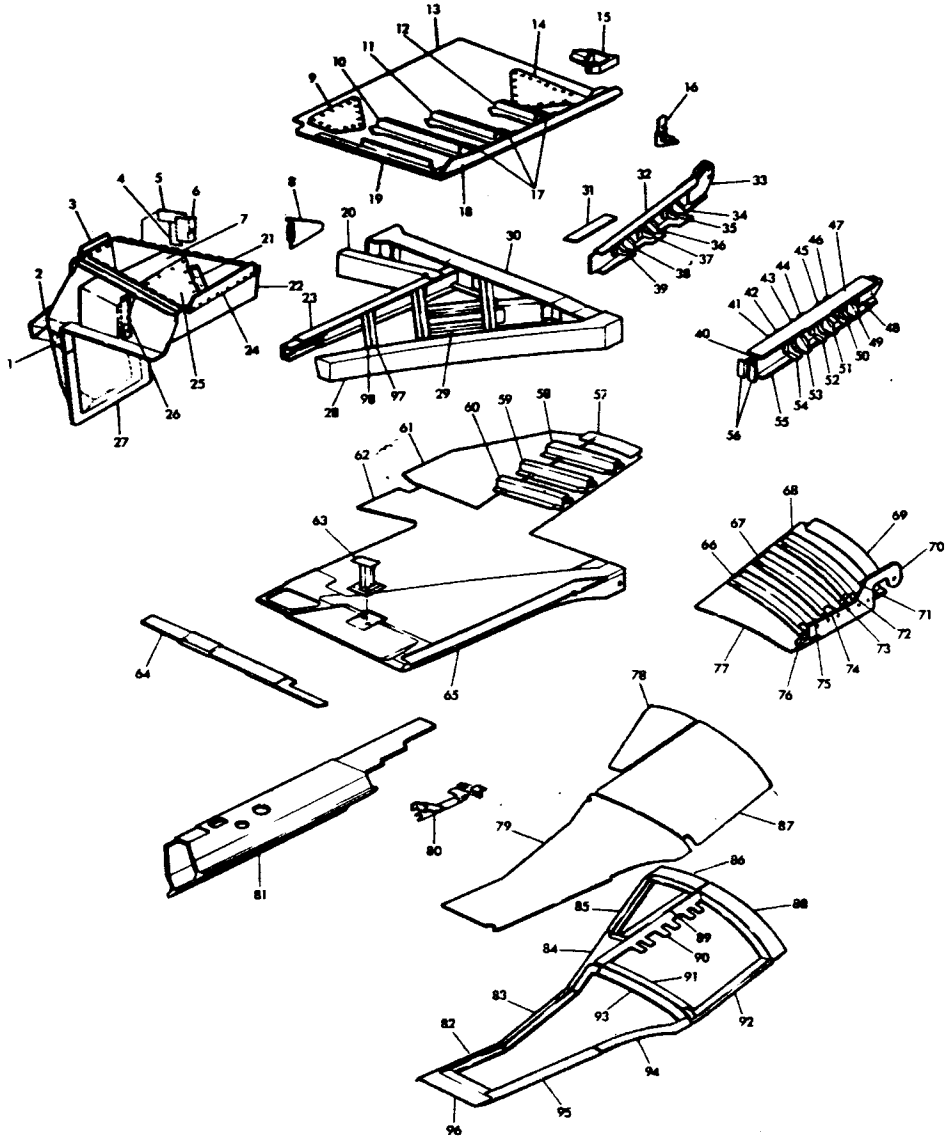
Figure 3-105 NACELLE INLET FIXED COWL (FB-111A: B1 3-6)

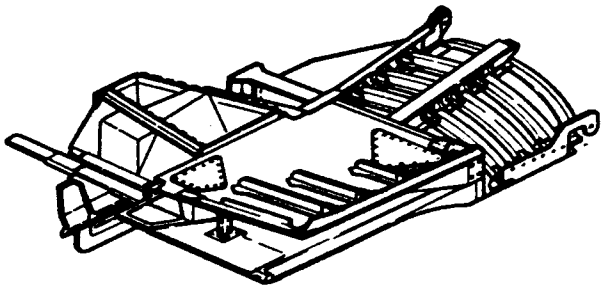


PART NO.	PART NAME	MATL	AREA FT^2
1 12P2508	Skin, Upper - Primary Inlet, Assy of	Glass Fabric and core	9.7
2 12P12193	Panel - Ram Assy of	Glass Laminate	3.6
3 12P12194	Retainer	6061-T6	0.6

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

ST-776-173A





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	12P12138-15	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	12P12211-93	DIVERTER	74	12P12144-167	CLIP
26	12P12211-91	ANGLE	75	12P12144-165	CLIP
27	12P12211-801	DUCT ASSY.	76	12P12144-163	CLIP
28	12P12197-21	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	12E2565	GUIDE
32	12P12144-47	CHANNEL	81	12P2480-A805	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	12P12144-61	RETAINER
40	12P12144-235, 12P12144-237	CHANNEL CHANNEL	89	12P12144-71	RETAINER
41	12P12144-175	CLIP	90	12P12144-67	RETAINER
42	12P12144-176	CLIP	91	12P12144-65	RETAINER
43	12P12144-175	CLIP	92	12P12144-63	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)

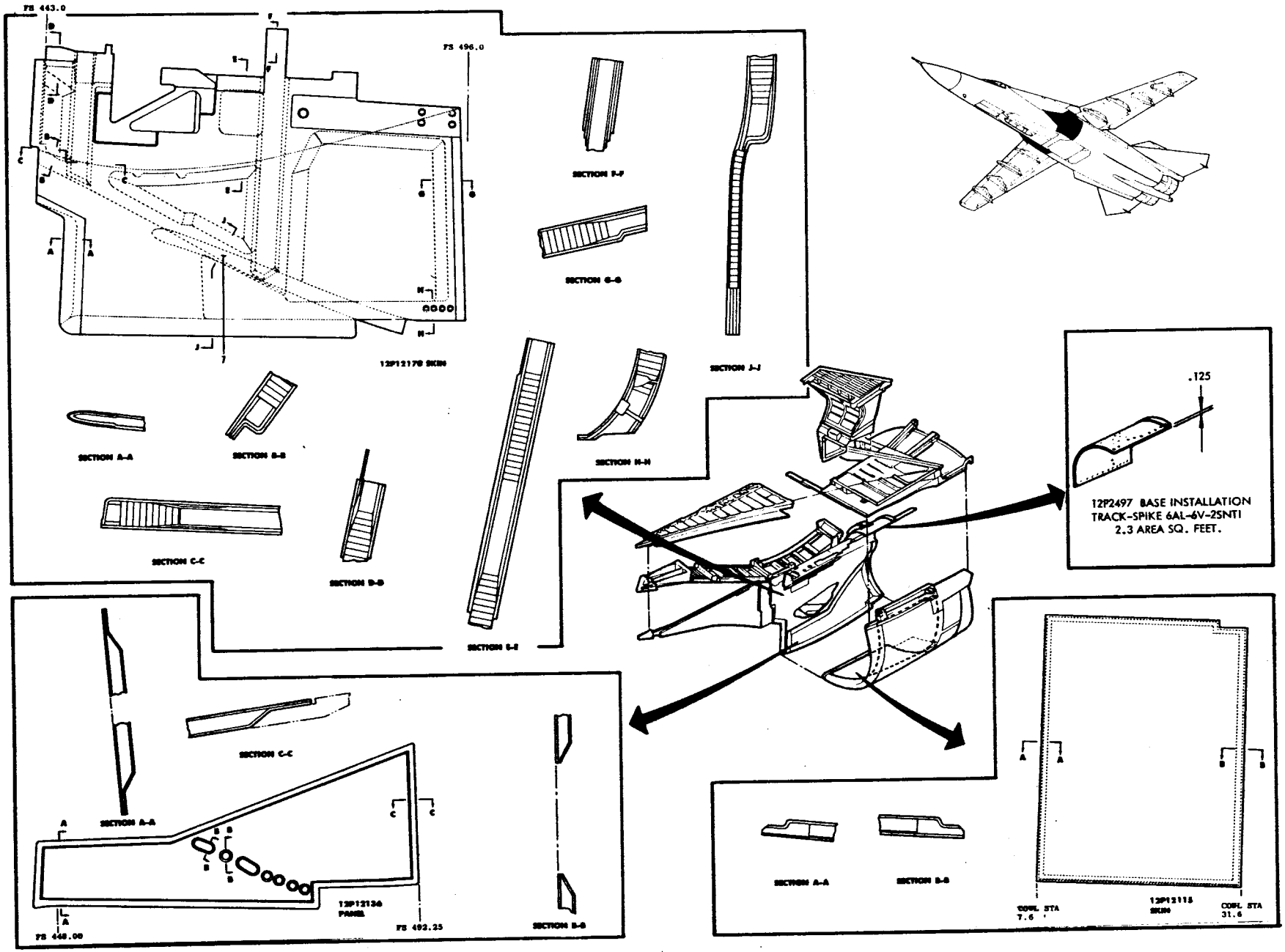


Figure 3-106B PRIMARY INLET COVER INSTALLATION (F-111E: Al 160-On; FB-111A: Bl 3-On)

ST-776-174A

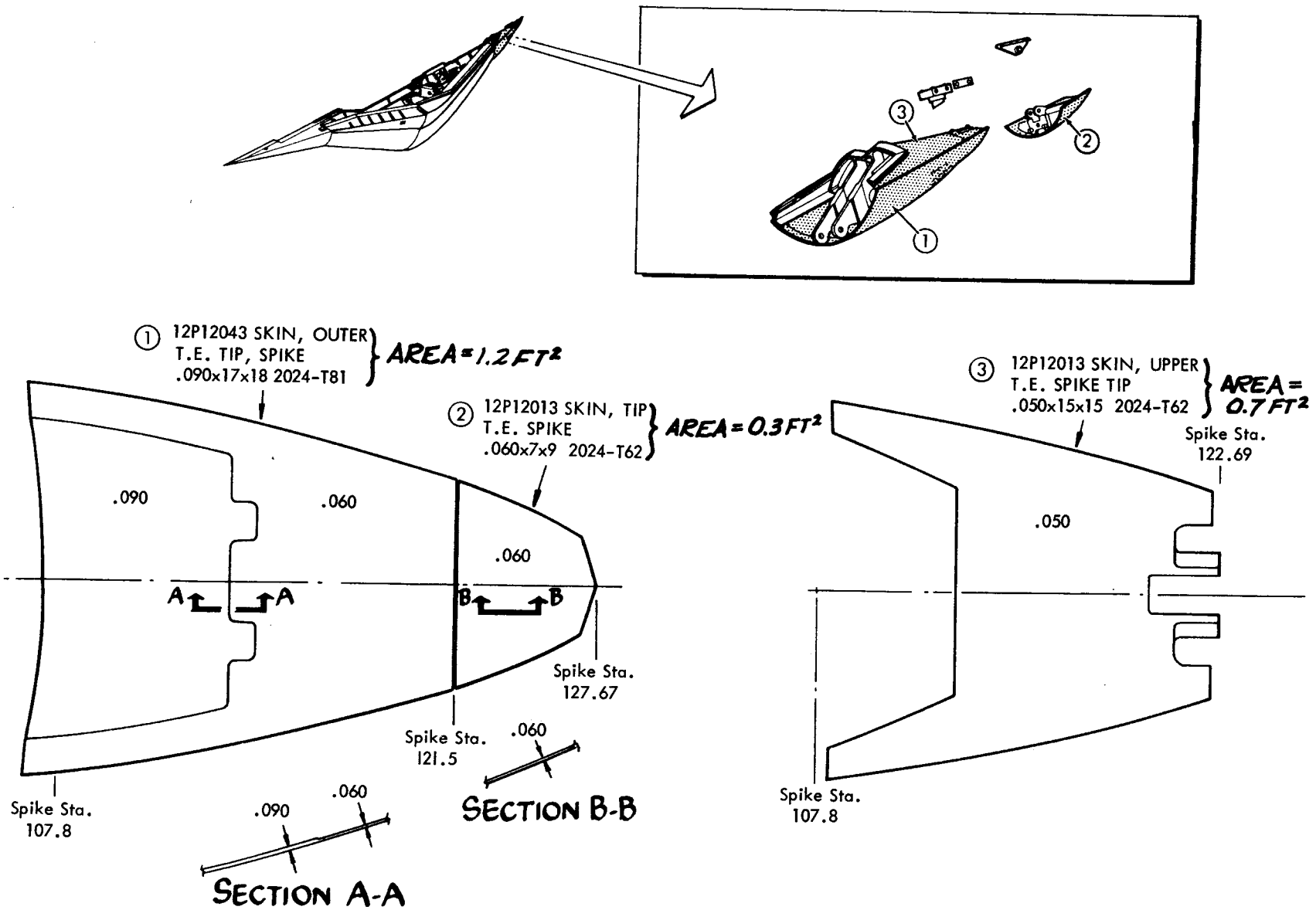


FIGURE 3-107 SPIKE SKIN DETAIL

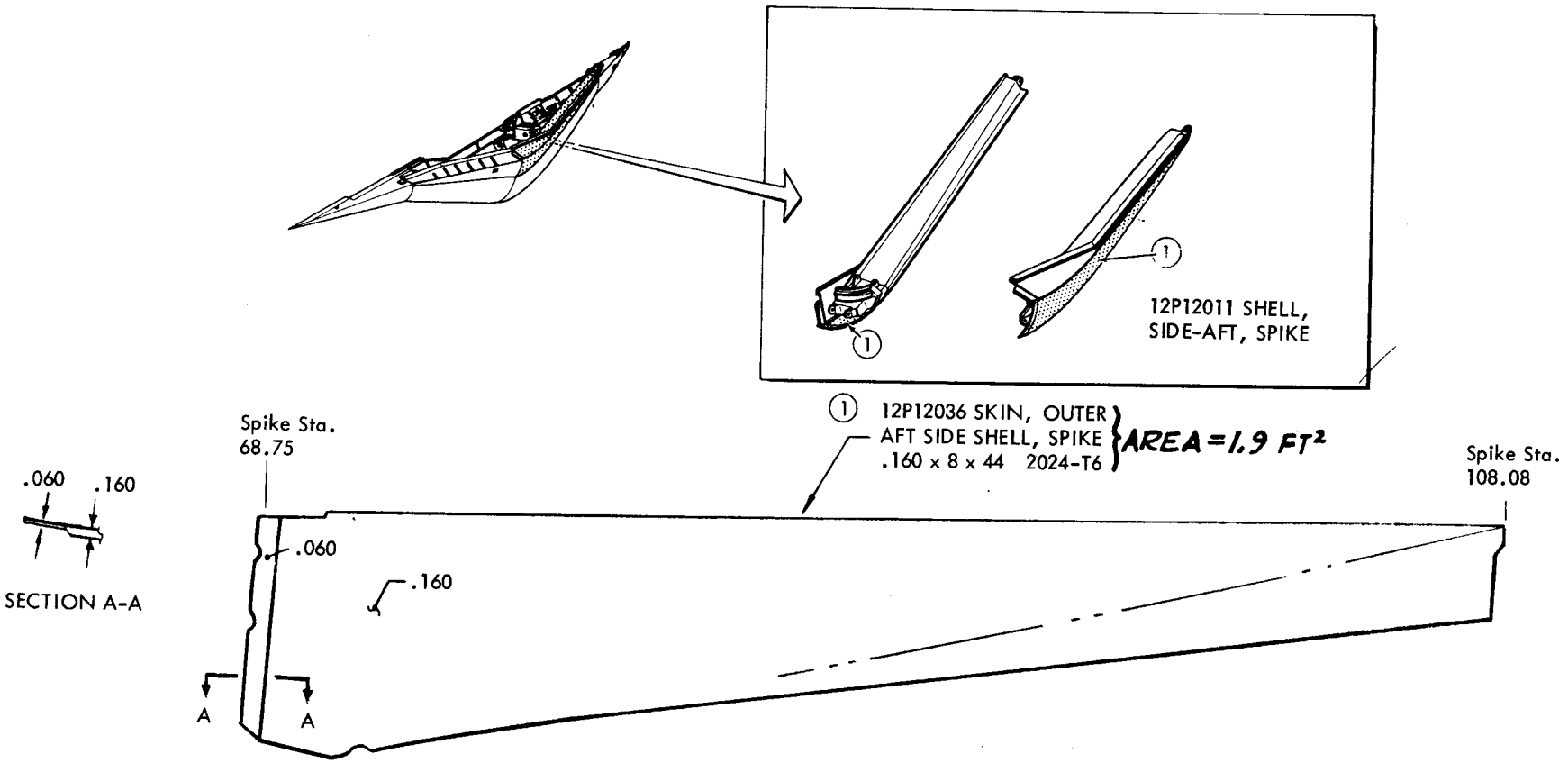


FIGURE 3-108 SPIKE SKIN DETAIL

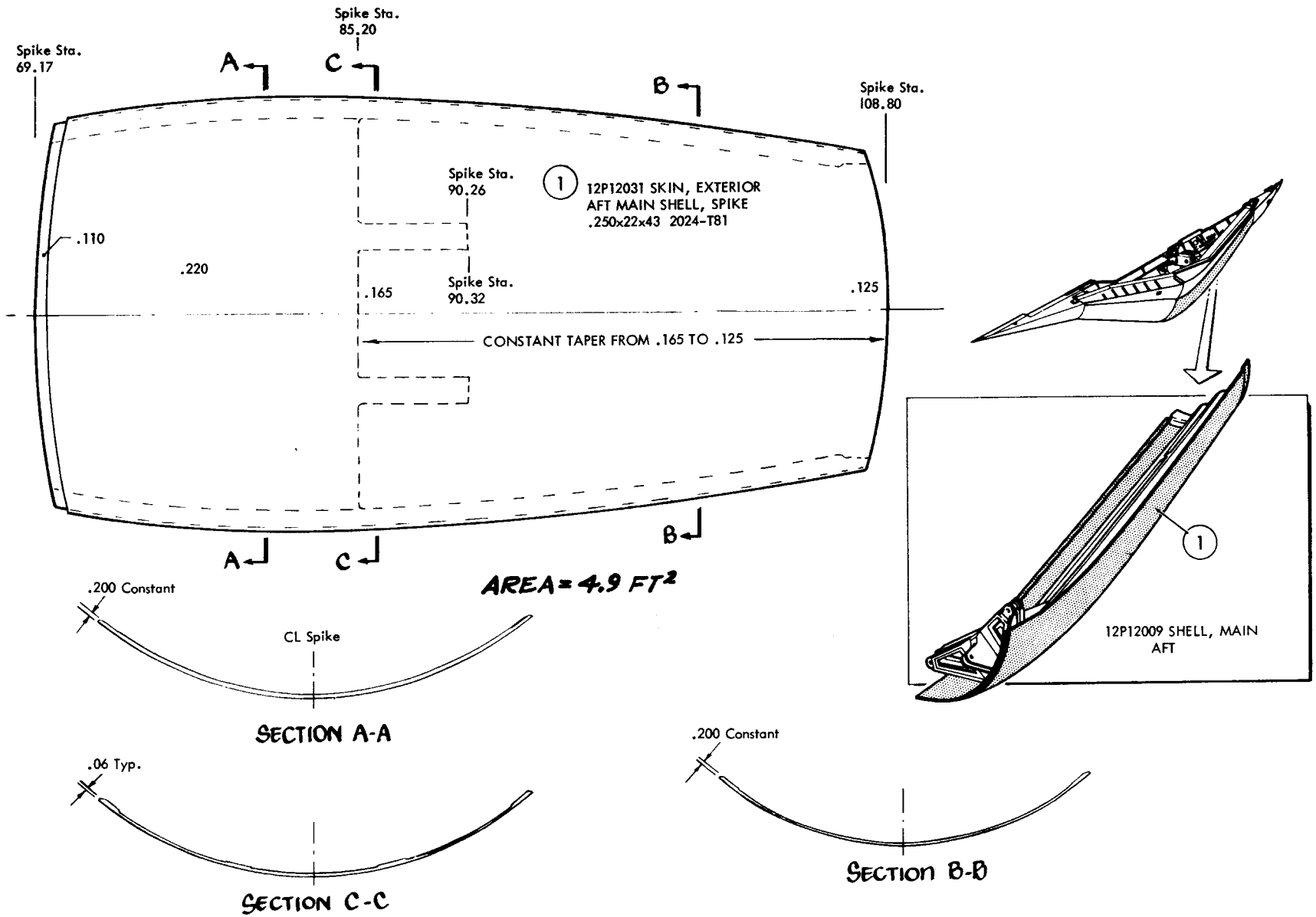


FIGURE 3-109 SPIKE SKIN DETAIL (FB-111, 3 & ON)

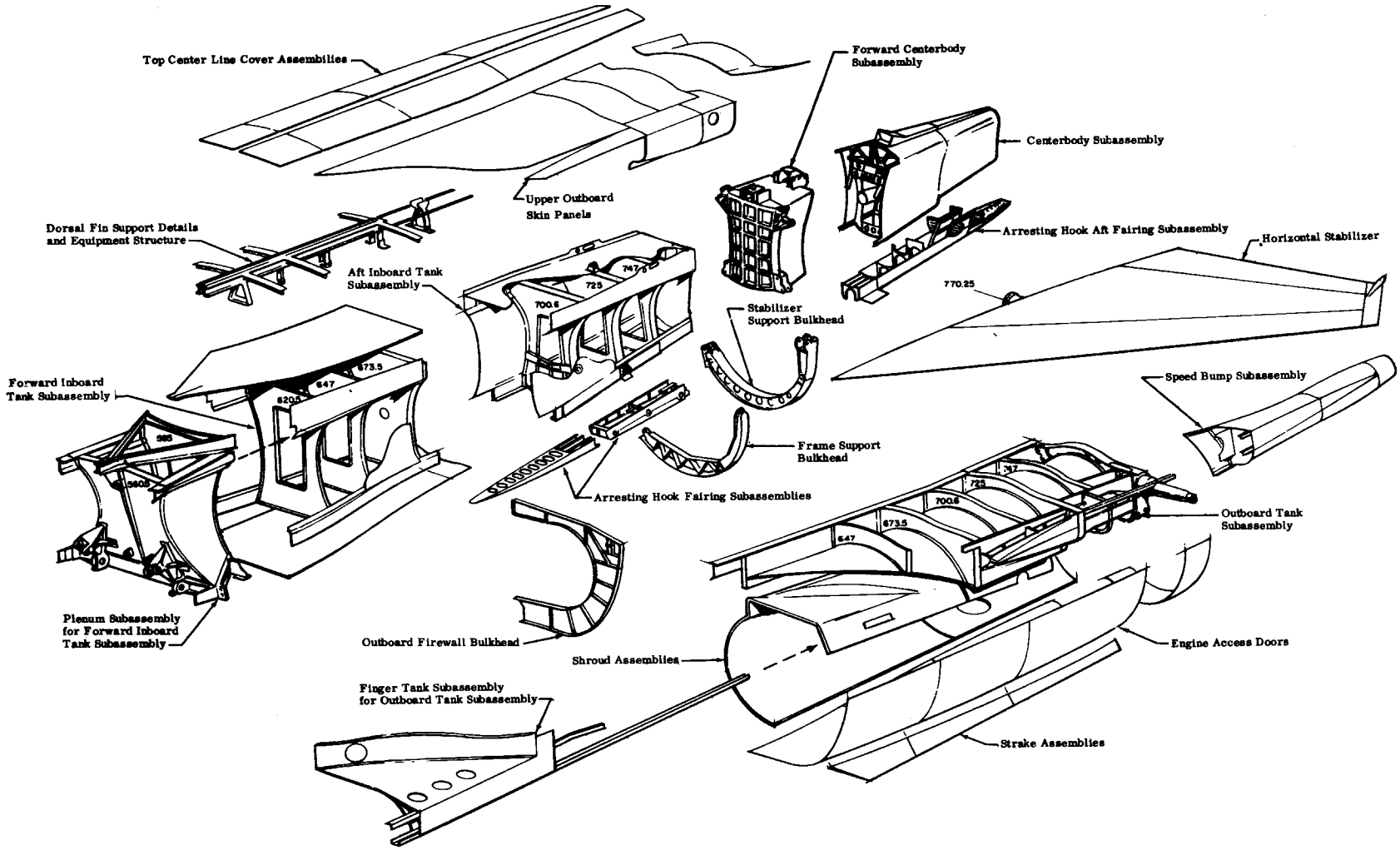
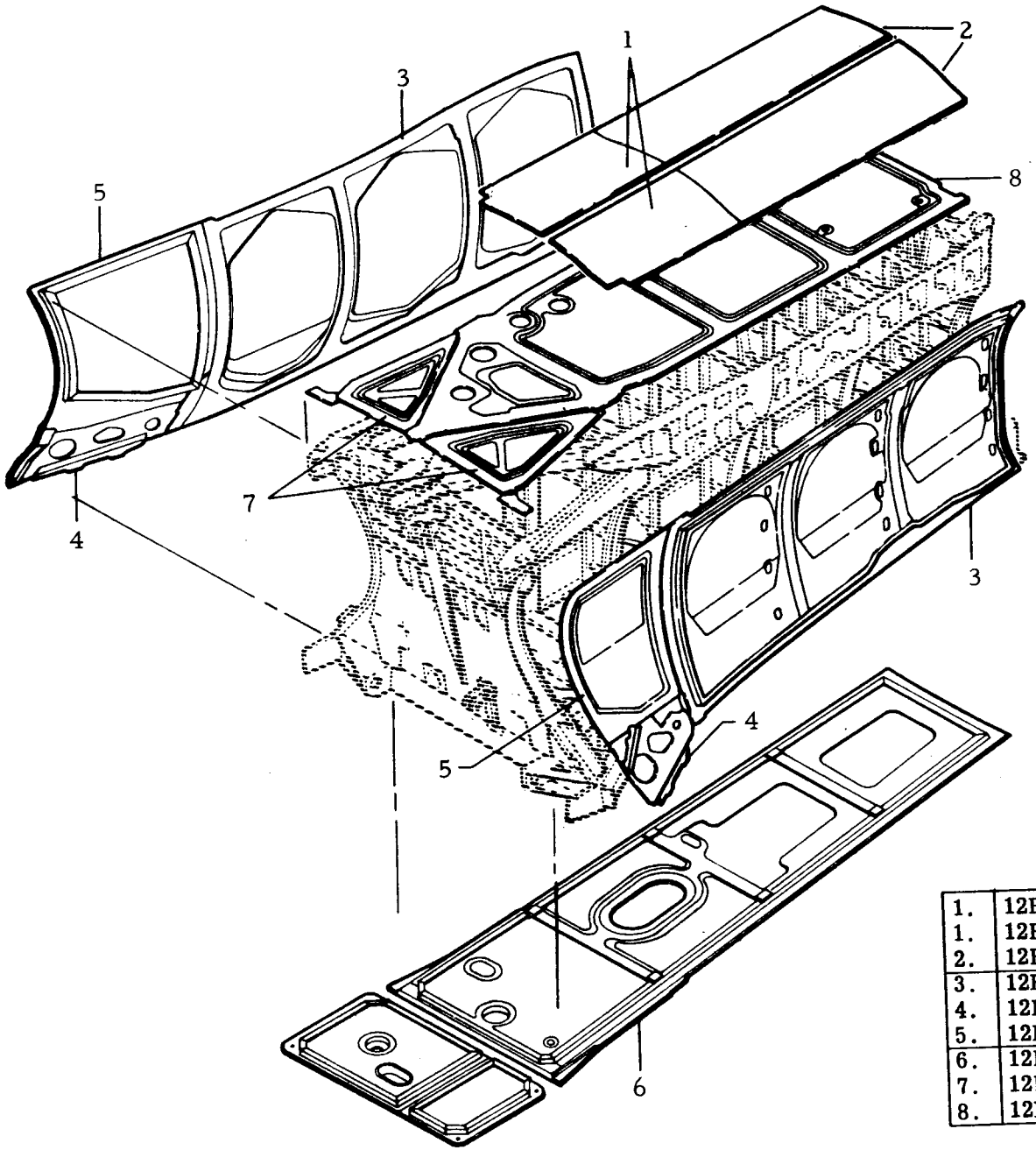
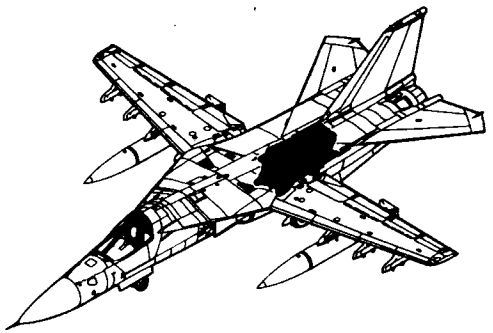


Figure 3-110 AFT FUSELAGE AND HORIZONTAL STABILIZER PRODUCTION BREAKDOWN

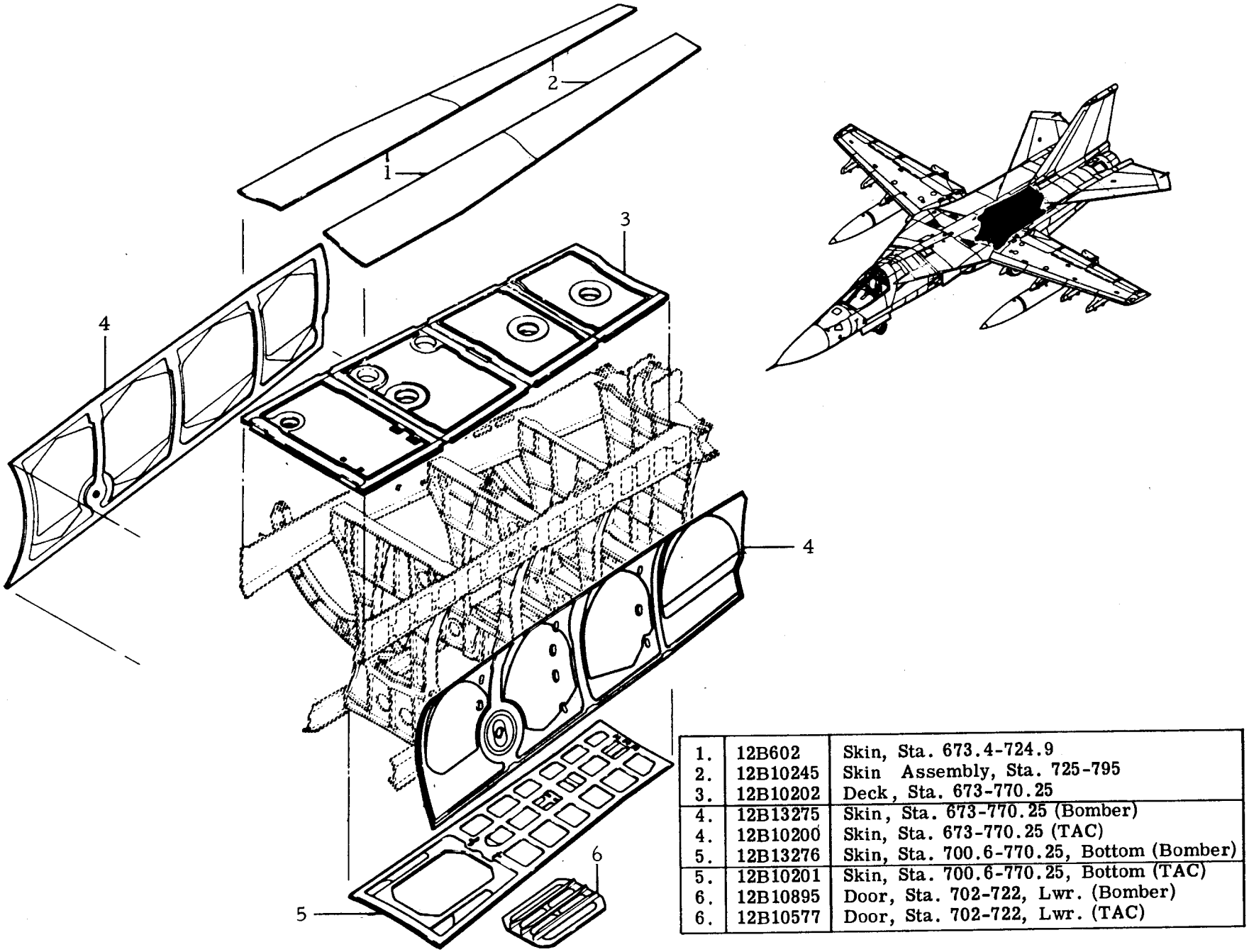
ST-697-53





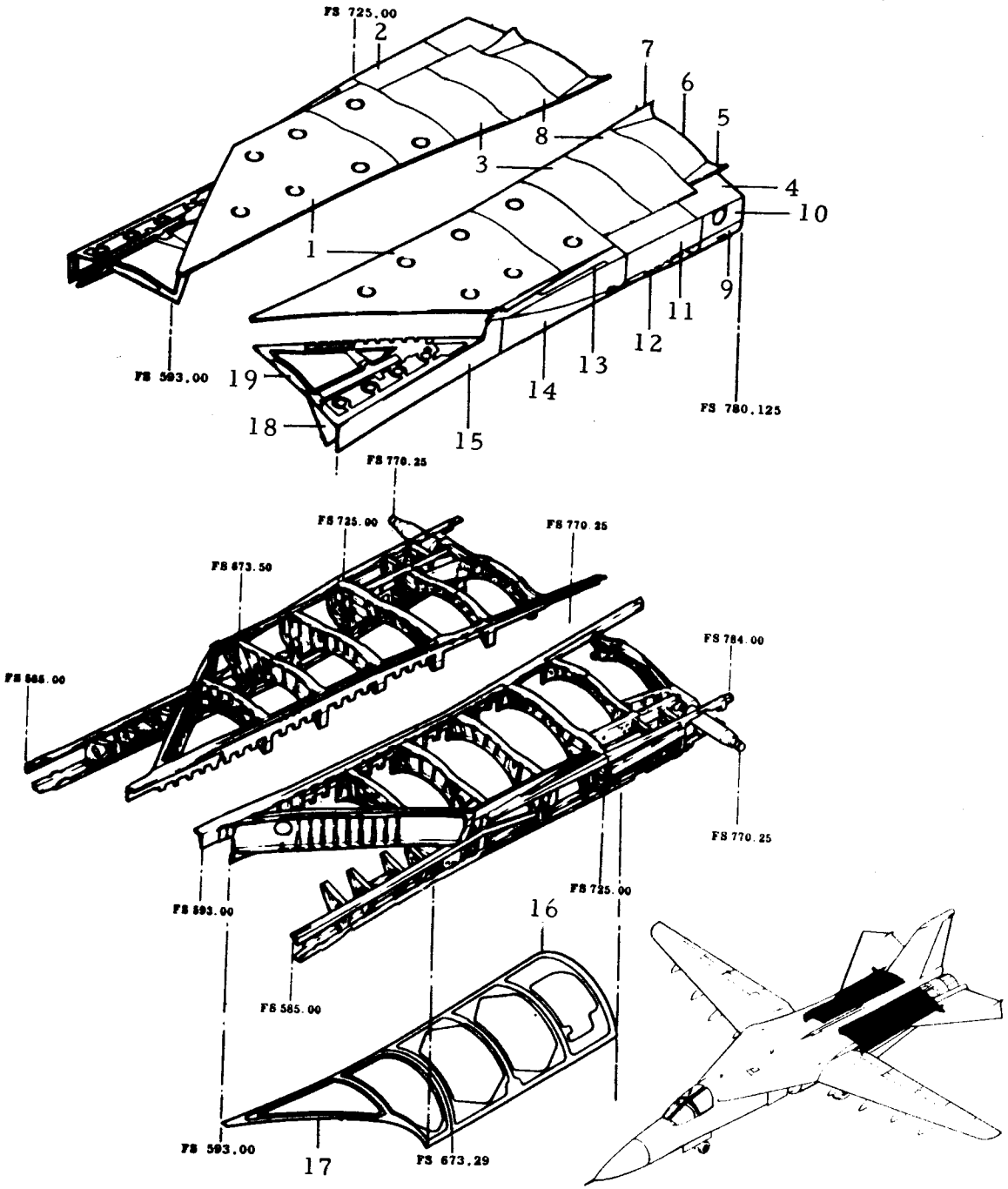
1.	12B604	Cover - Sta. 593-621 Upper (TAC)
1.	12B10081	Cover - Sta. 593-621 Upper (Bomber)
2.	12B601	Cover - Sta. 620-673 Upper
3.	12B10100	Wall - Sta. 593-673.5
4.	12B10111	Panel Instl. - L. G. Bhd.
5.	12B10104	Wall - Sta. 571 - 593
6.	12B10101	Panel - Sta. 593-700.6, Bottom Skin
7.	12B10105	Panel -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



1.	12B602	Skin, Sta. 673.4-724.9
2.	12B10245	Skin Assembly, Sta. 725-795
3.	12B10202	Deck, Sta. 673-770.25
4.	12B13275	Skin, Sta. 673-770.25 (Bomber)
4.	12B10200	Skin, Sta. 673-770.25 (TAC)
5.	12B13276	Skin, Sta. 700.6-770.25, Bottom (Bomber)
5.	12B10201	Skin, Sta. 700.6-770.25, Bottom (TAC)
6.	12B10895	Door, Sta. 702-722, Lwr. (Bomber)
6.	12B10577	Door, Sta. 702-722, Lwr. (TAC)

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



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

Figure 3-113 OUTBOARD SUBASSEMBLY SKIN PANELS, STA. 585 - 784

GAGES - UPPER SKIN PANELS - AFT FUSELAGE AND STABILIZER

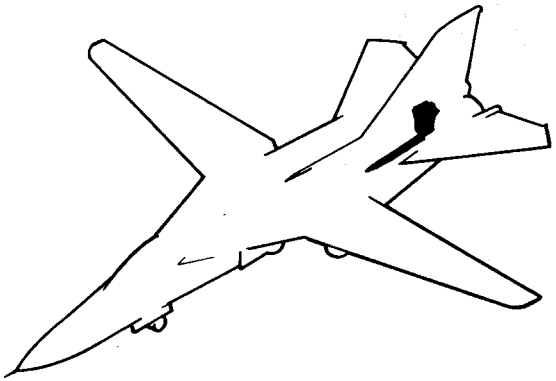
(THICKNESS - INCHES)

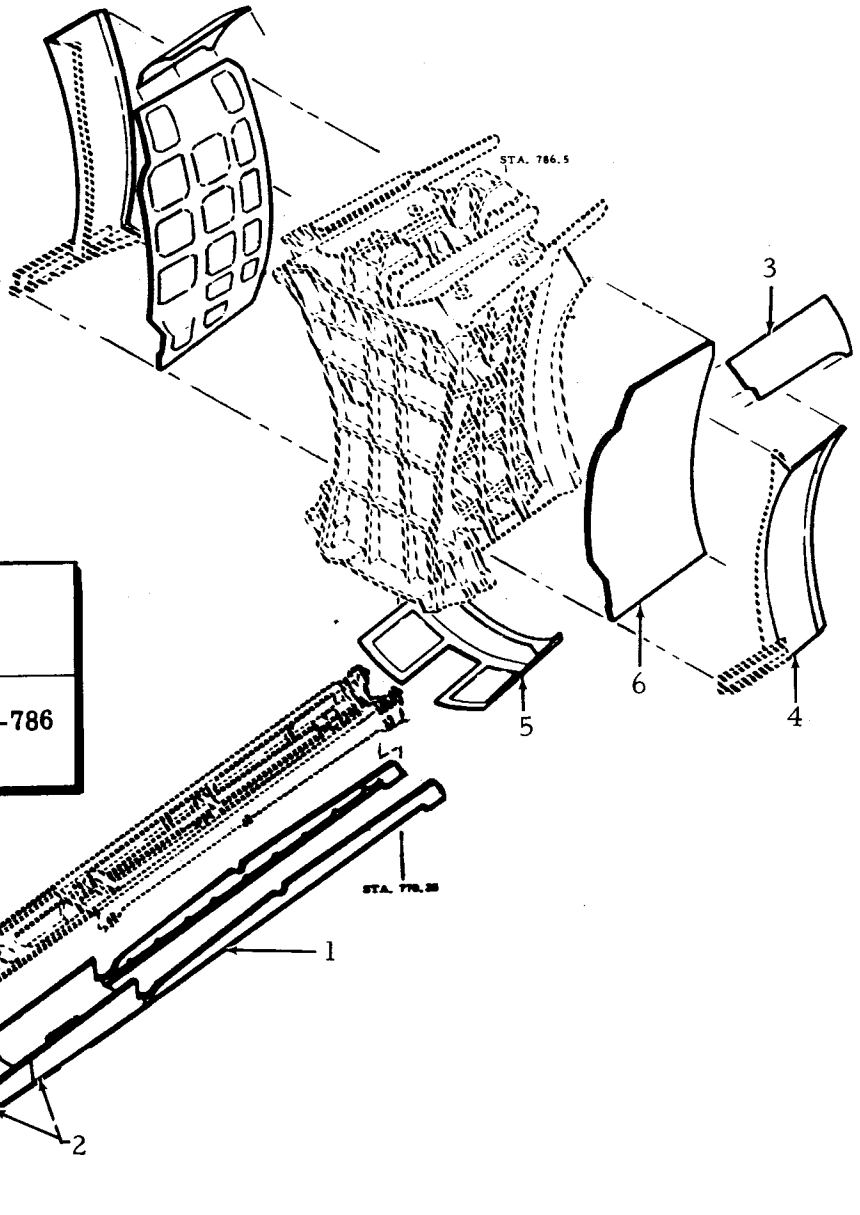
PART NO.	OUTER EDGE	OUTER SKIN	CORE	INNER EDGE	INNER SKIN	PANEL AREA (FT^2)
12B601	.078	.020	.455	.012	.012	5.95
602 (TAC)	.078	.016	.455	.012	.012	4.02
604 (TAC)	.078	.016	.455	.012	.012	3.15
12B10081 (SAC)	.040	.040	-	.032	.032	3.15
10082 (SAC)	.040	.040	-	.032	.032	4.02
10245	.025	.025	-	-	-	
10400	.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)

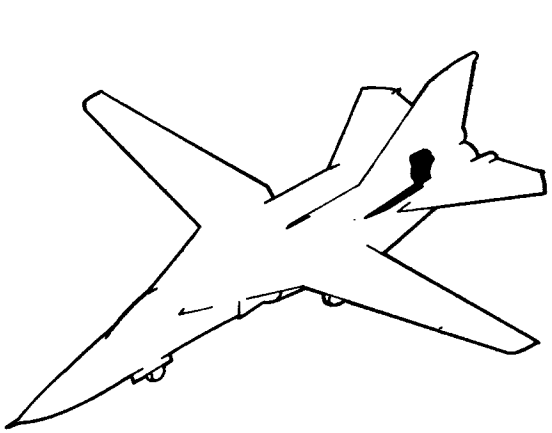
PART NO.	OUTER EDGE	OUTER SKIN	CORE	INNER EDGE	INNER SKIN	PANEL AREA (FT^2)
10495	.032	.032	-	-	-	
12B10910	.040	.040	-	-	-	
10911	.080	.050	-	-	-	
13225 (TAC)	.060 to .080	.032	-	-	-	
13352 (SAC)	.080	.041	-	-	-	
13354 (SAC)	.275	.130	-	-	-	
13361 (SAC)	.060 to .080	.032	-	-	-	
13362 (SAC)	.040	.040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

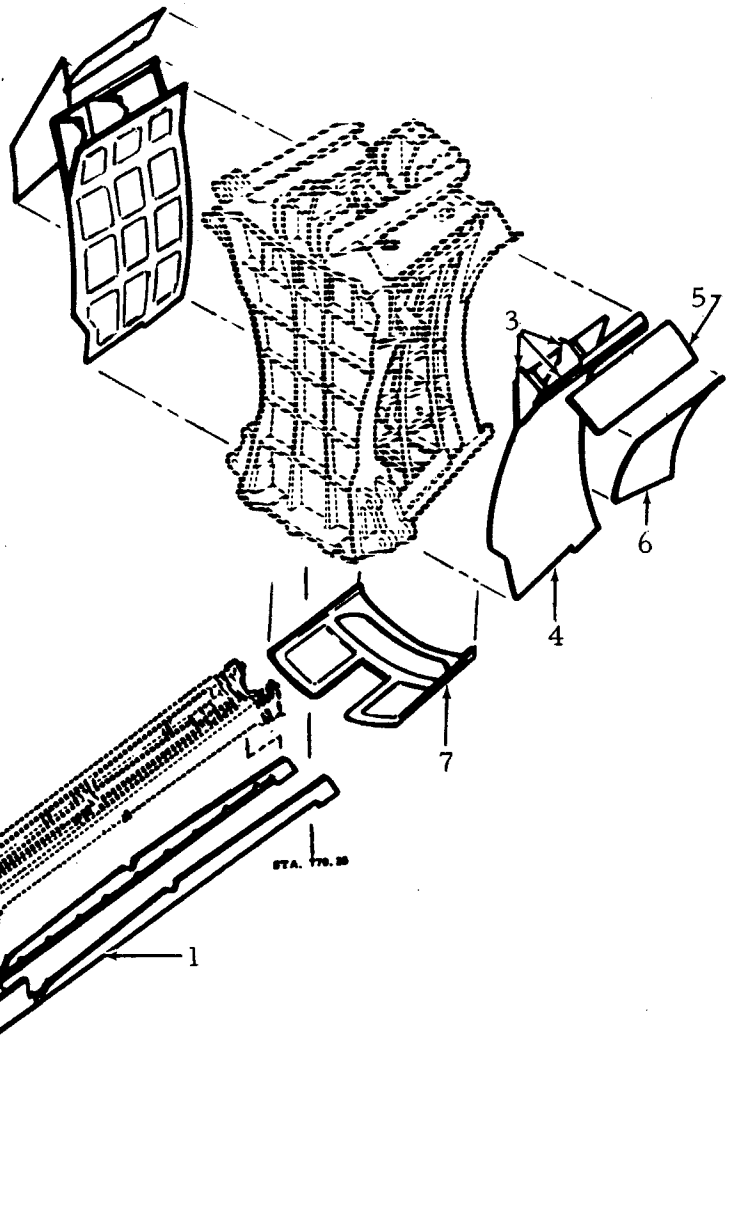




1.	12B9283	Skin - Hook Fairing - Sta. 725-770
2.	12B10263	Skin Instl. - Fairing - Sta. 688-725
3.	12B13158	Skin - Centerbody - Sta. 771-786
4.	12B13144	Skin Instl. Annulus - Sta. 777-787
5.	12B13107	Cover Instl. - Bottom, Centerbody - Sta. 770-786
6.	12B13101	Skin Instl. - Side Centerbody - Sta. 770-786

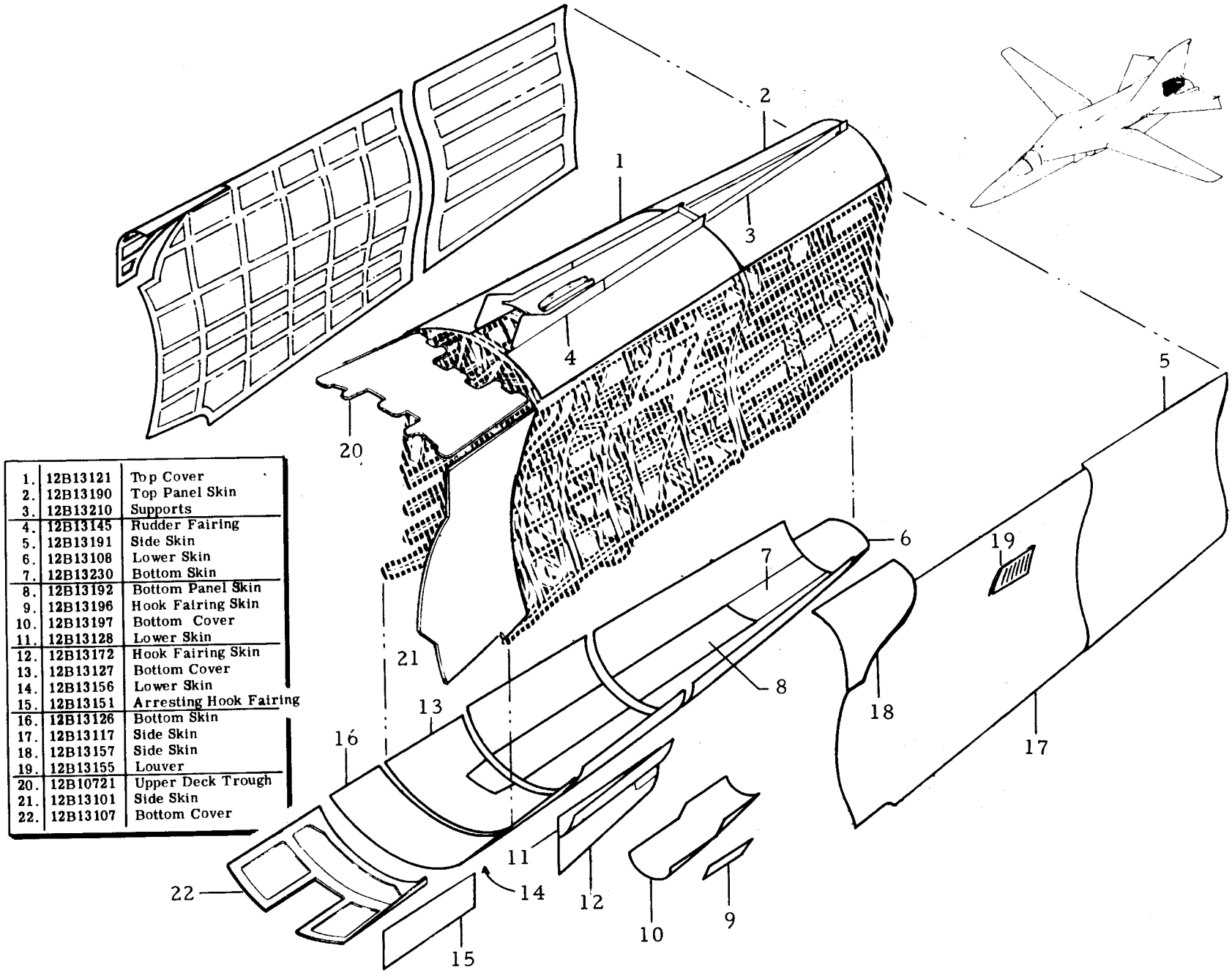
Figure 3-114 F-111A FORWARD CENTERBODY SKIN ASSEMBLIES
F-111E





1.	12B9283	Skin - Hook Fairing - Sta. 725-770
2.	12B10263	Skin Instl. - Fairing Sta. 688-725
3.	12B13077	Stiffener - Centerbody - Sta. 782-799
4.	12B13026	Skin Instl. -Side, Centerbody - Sta. 770-786
5.	12B13368	Skin Instl. - Upr. Side, Centerbody - Sta. 770-786
6.	12B13370	Skin Instl. - Top Centerbody - Sta. 776-786
7.	12B13107	Cover Instl. - Bottom Centerbody - Sta. 770-786

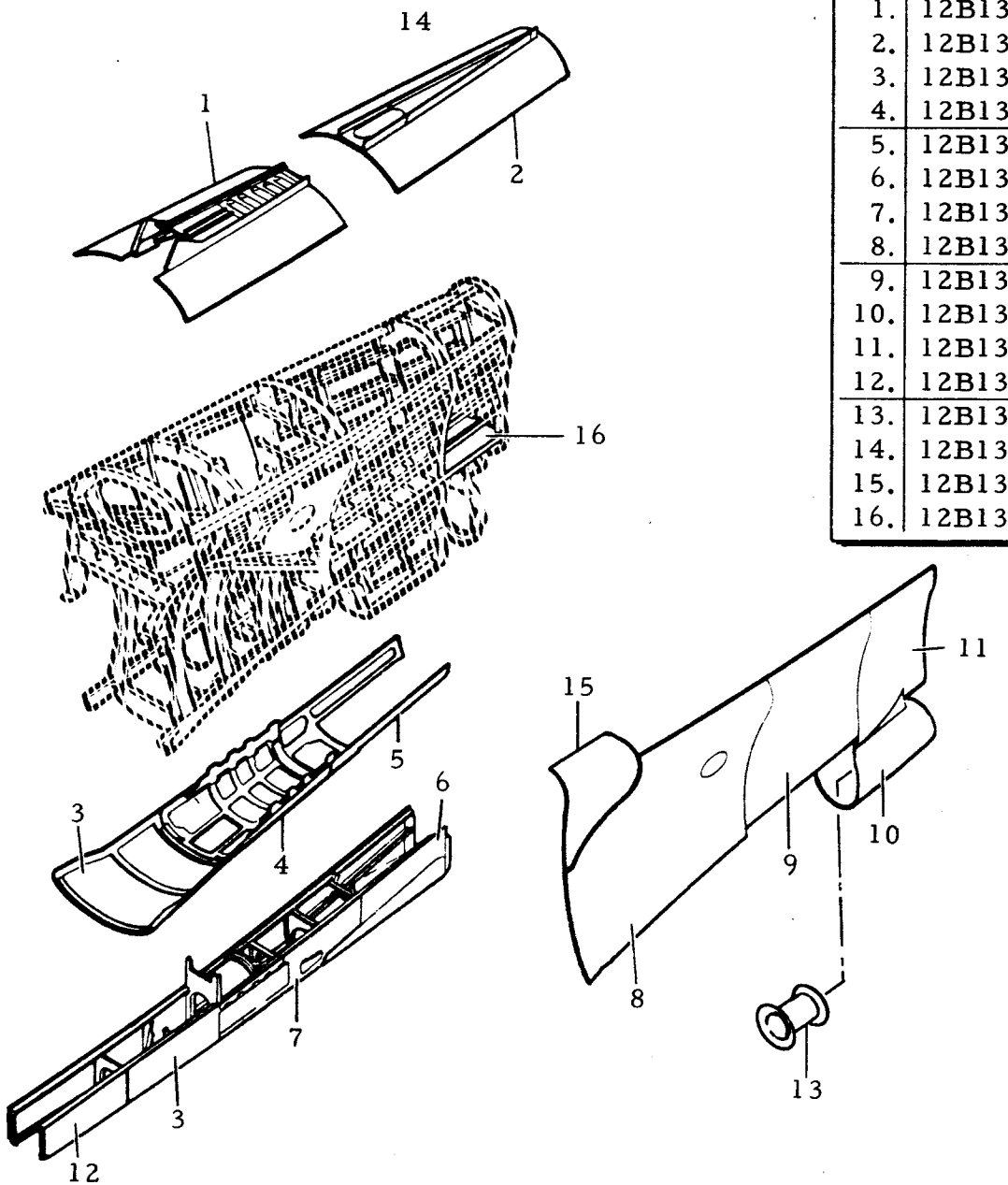
Figure 3-115 FB-111 FORWARD CENTERBODY SKIN ASSEMBLIES



1.	12B13121	Top Cover
2.	12B13190	Top Panel Skin
3.	12B13210	Supports
4.	12B13145	Rudder Fairing
5.	12B13191	Side Skin
6.	12B13108	Lower Skin
7.	12B13230	Bottom Skin
8.	12B13192	Bottom Panel Skin
9.	12B13196	Hook Fairing Skin
10.	12B13197	Bottom Cover
11.	12B13128	Lower Skin
12.	12B13172	Hook Fairing Skin
13.	12B13127	Bottom Cover
14.	12B13156	Lower Skin
15.	12B13151	Arresting Hook Fairing
16.	12B13126	Bottom Skin
17.	12B13117	Side Skin
18.	12B13157	Side Skin
19.	12B13155	Louver
20.	12B10721	Upper Deck Trough
21.	12B13101	Side Skin
22.	12B13107	Bottom Cover

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

ST-651-46A



1.	12B13038	Top Cover
2.	12B13049	Top Panel Skin
3.	12B13044	Bottom Cover
4.	12B13932	Bottom Skin
5.	12B13046	Bottom Skin
6.	12B13338	Hook Skin
7.	12B13337	Hook Fairing
8.	12B13037	Side Skin
9.	12B13066	Skin
10.	12B13329	Fuel Dump Skin
11.	12B13084	Side Skin
12.	12B13335	Hook Fairing
13.	12B13298	Dump Line Fairing Shroud
14.	12B13055	Rudder Fairing Skins
15.	12B13050	Upper Side Skin
16.	12B13047	Deck

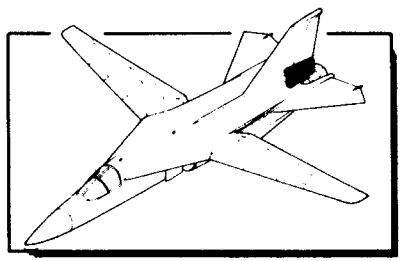


Figure 3-117 FB-111 CENTERBODY SKIN PANELS

GAGES - SKIN PANELS - AFT FUSELAGE FWD AND AFT SUBASSEMBLIES

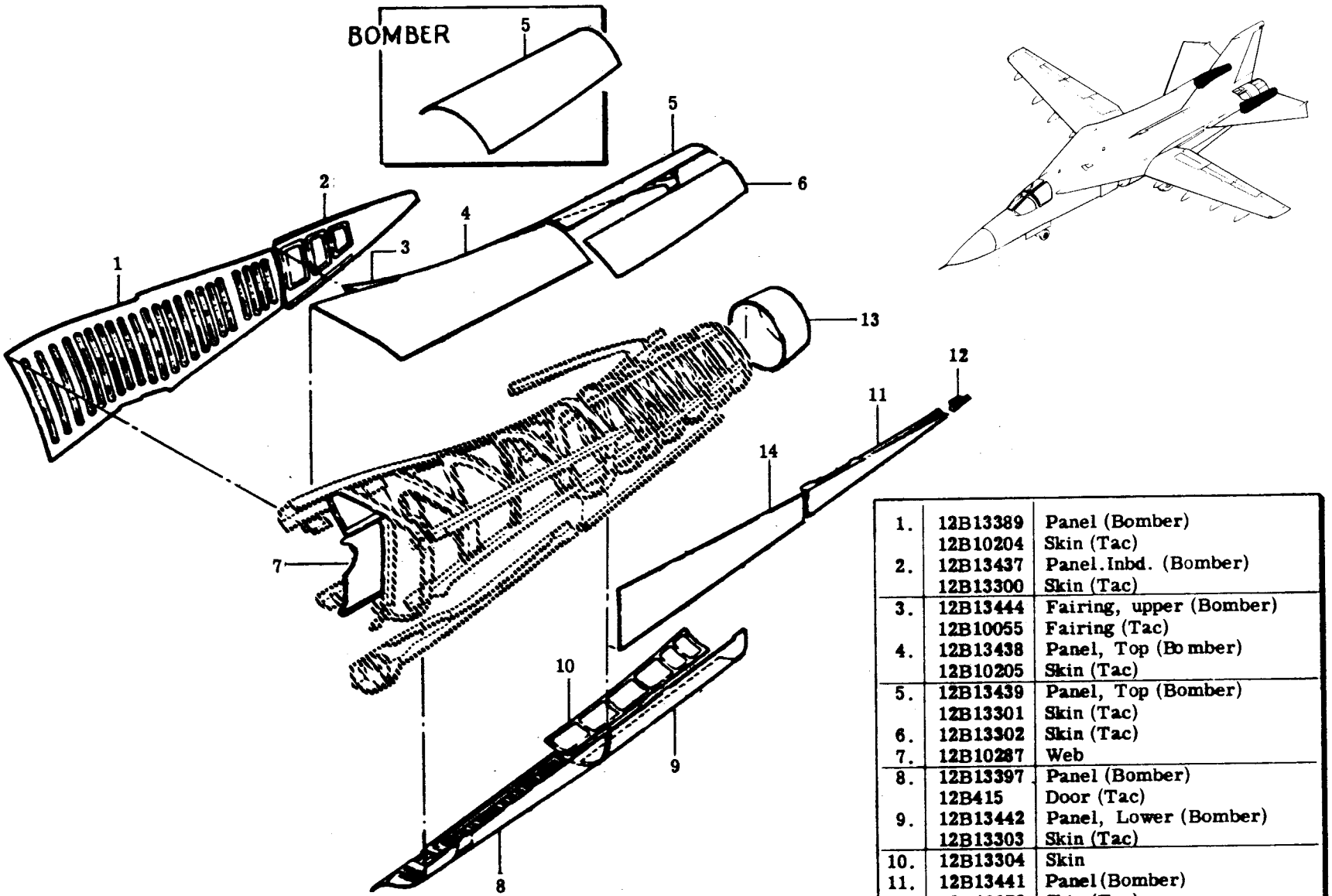
(THICKNESS - INCHES)

PART NO.	OUTER EDGE	OUTER SKIN	CORE	INNER EDGE	INNER SKIN	PANEL AREA (FT^2)
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



1.	12B13389	Panel (Bomber)
	12B10204	Skin (Tac)
2.	12B13437	Panel.Inbd. (Bomber)
	12B13300	Skin (Tac)
3.	12B13444	Fairing, upper (Bomber)
	12B10055	Fairing (Tac)
4.	12B13438	Panel, Top (Bomber)
	12B10205	Skin (Tac)
5.	12B13439	Panel, Top (Bomber)
	12B13301	Skin (Tac)
6.	12B13302	Skin (Tac)
7.	12B10287	Web
8.	12B13397	Panel (Bomber)
	12B415	Door (Tac)
9.	12B13442	Panel, Lower (Bomber)
	12B13303	Skin (Tac)
10.	12B13304	Skin
11.	12B13441	Panel (Bomber)
	12B10073	Skin (Tac)
12.	12B9670	Trailing Edge
13.	12B13222	Cone Installation
14.	12B13393	Panel, Top (Bomber)
	12B10225	Skin Bonded Assembly (Tac)

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

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

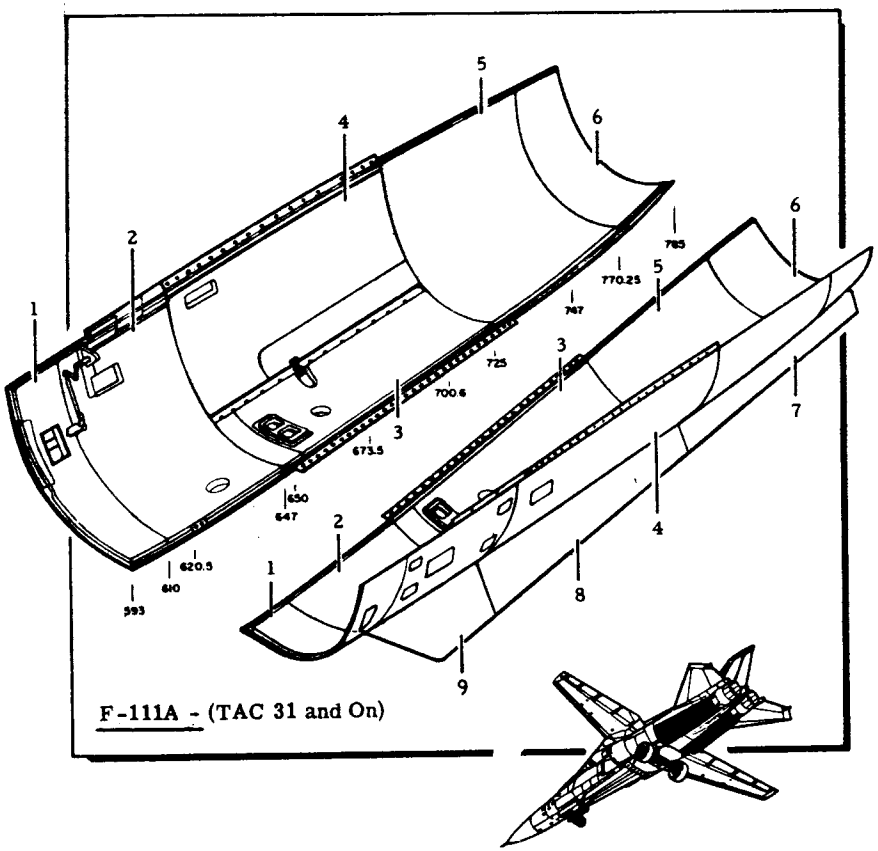
(THICKNESS - INCHES)

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

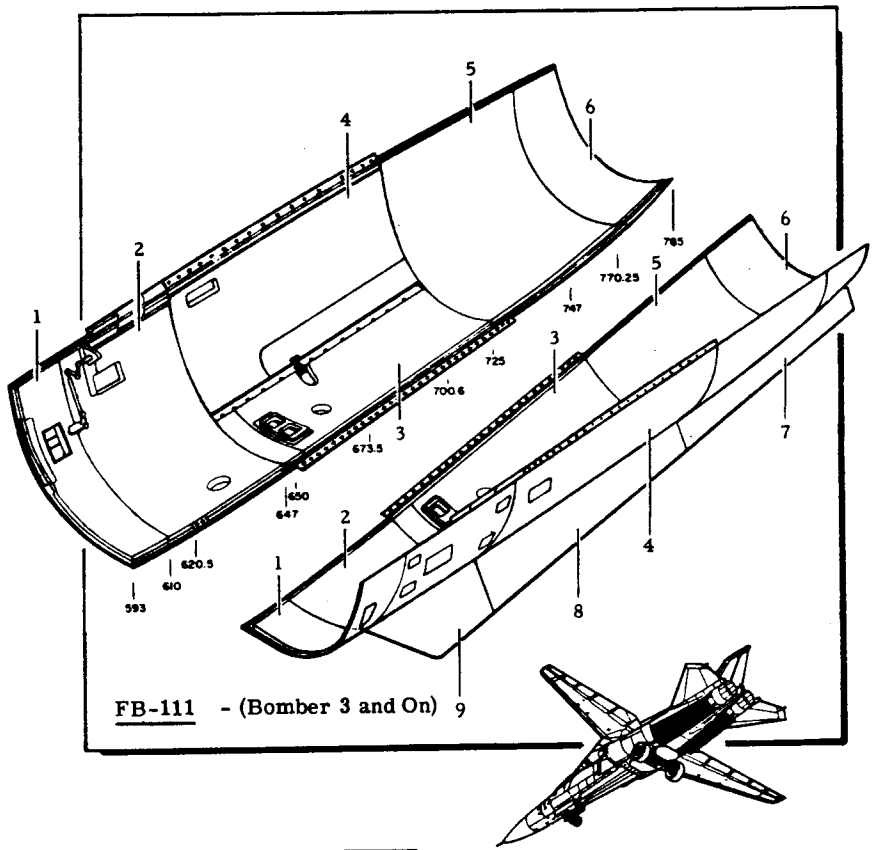
GAGE - SKIN PANELS - SPEED BUMPS - FB-111 3 AND ON

(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.	OUTER EDGE	OUTER SKIN	CORE	INNER 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

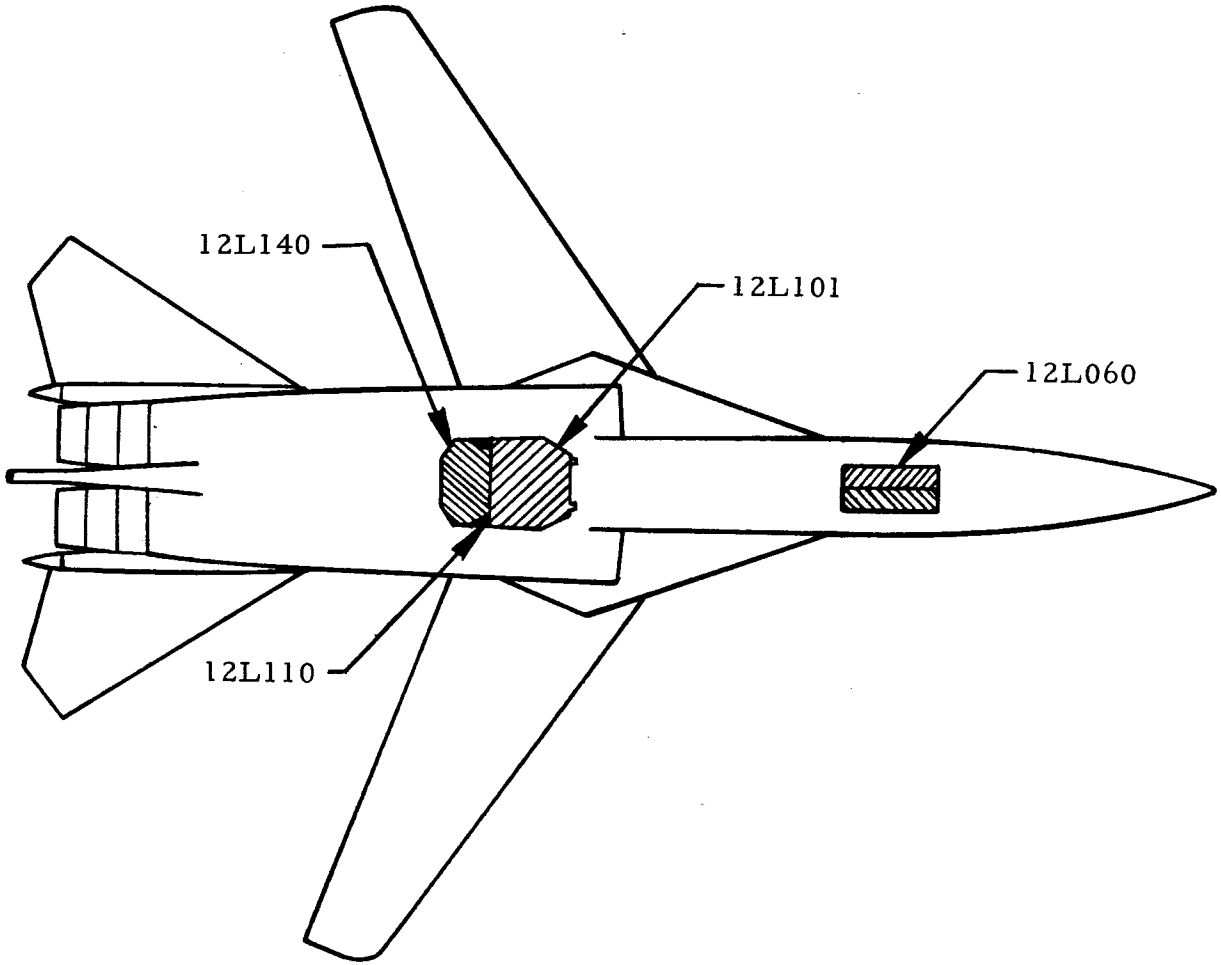
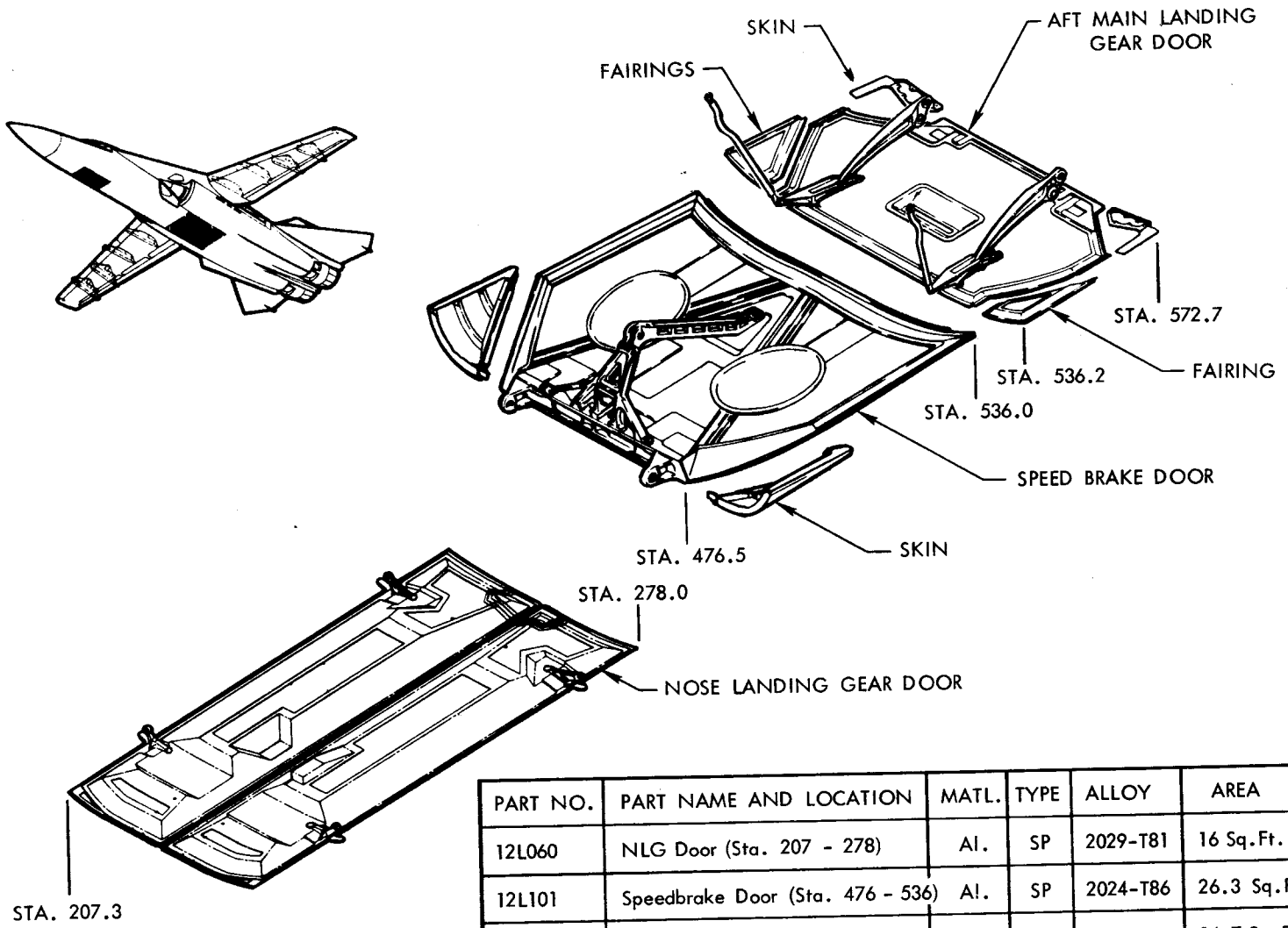
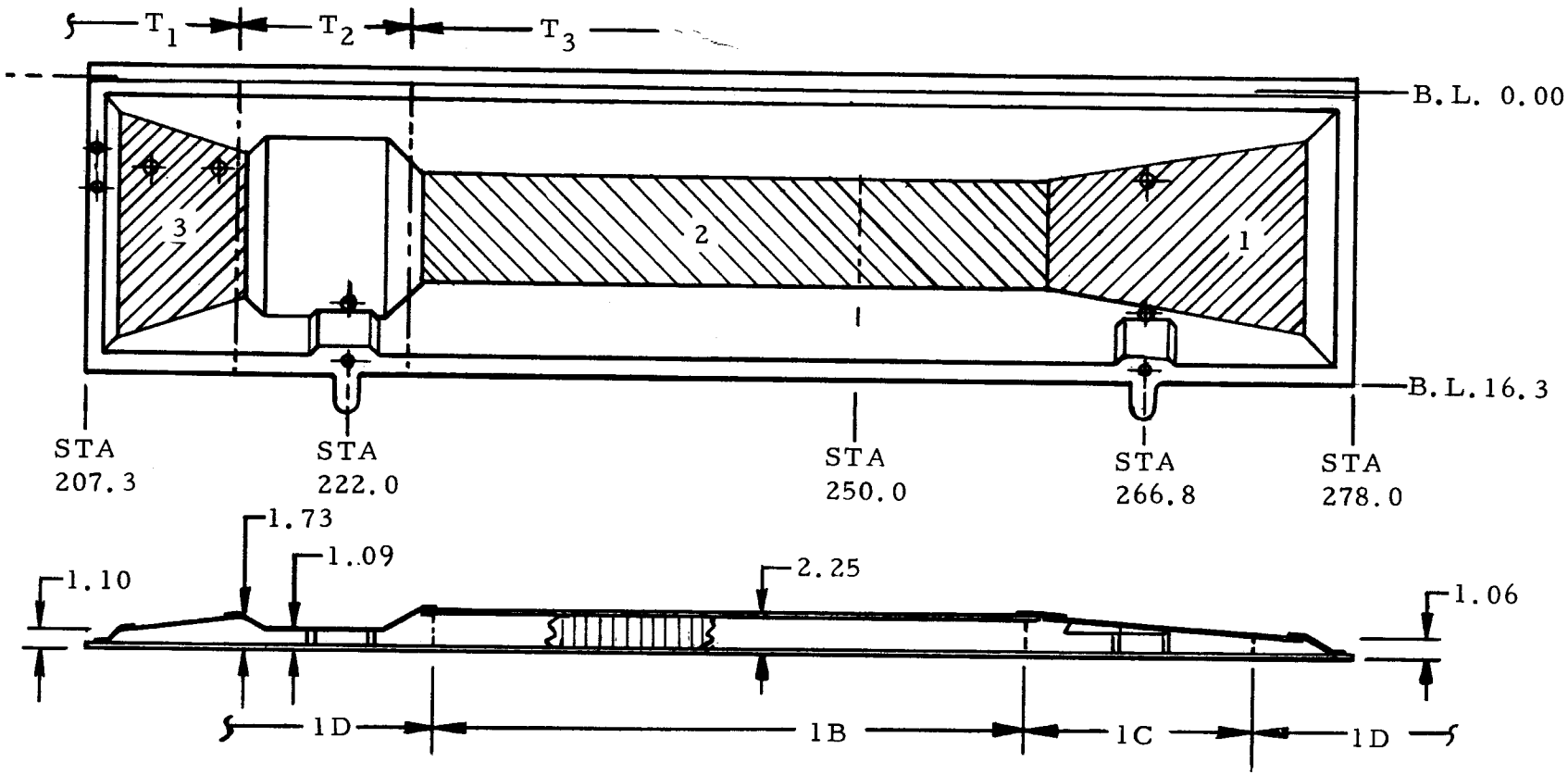


Figure 3-121 LANDING GEAR DOORS



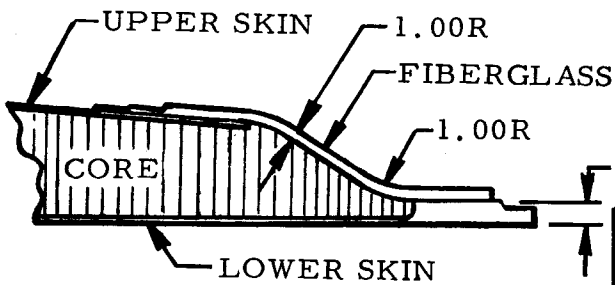
PART NO.	PART NAME AND LOCATION	MATL.	TYPE	ALLOY	AREA	WEIGHT
12L060	NLG Door (Sta. 207 - 278)	Al.	SP	2029-T81	16 Sq.Ft.	33.3 Lb. (2)
12L101	Speedbrake Door (Sta. 476 - 536)	Al.	SP	2024-T86	26.3 Sq.Ft.	102.2 Lb.
12L140	Aft MLG Door (Sta. 536 - 578)	Al.	SP	7075-T6	14.7 Sq.Ft.	20.2 Lb.
12L110	Fixed Fairing (Sta. 536 - 554)	Al.	SP	2024-T6	1.2 Sq.Ft.	2.6 Lb.

Figure 3-122 LANDING GEAR DOOR AND FAIRING SKIN DIMENSIONS



AREA = 8 SQ. FT. PER DOOR

LH SHN., R.H. OPP.



TYPICAL EDGE MEMBER

BONDED ALUMINUM HONEYCOMB				
NAME	THICKNESS OR WEIGHT			MATERIAL
UPPER SKIN	1. =.020	2. =.038	3. =.018	2024-T81
LOWER SKIN	T_1=.021	T_2=.041	T_3=.016	2024-T81
CORE	1B=4.5	1C=6.1 #/FT^3	1D=8.1	FMS-1019
EDGE MEMBER	.020 TO .075 FIBERGLASS			FMS-1023

* ALL UNSHADED UPPER SURFACE IS FIBERGLASS *

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

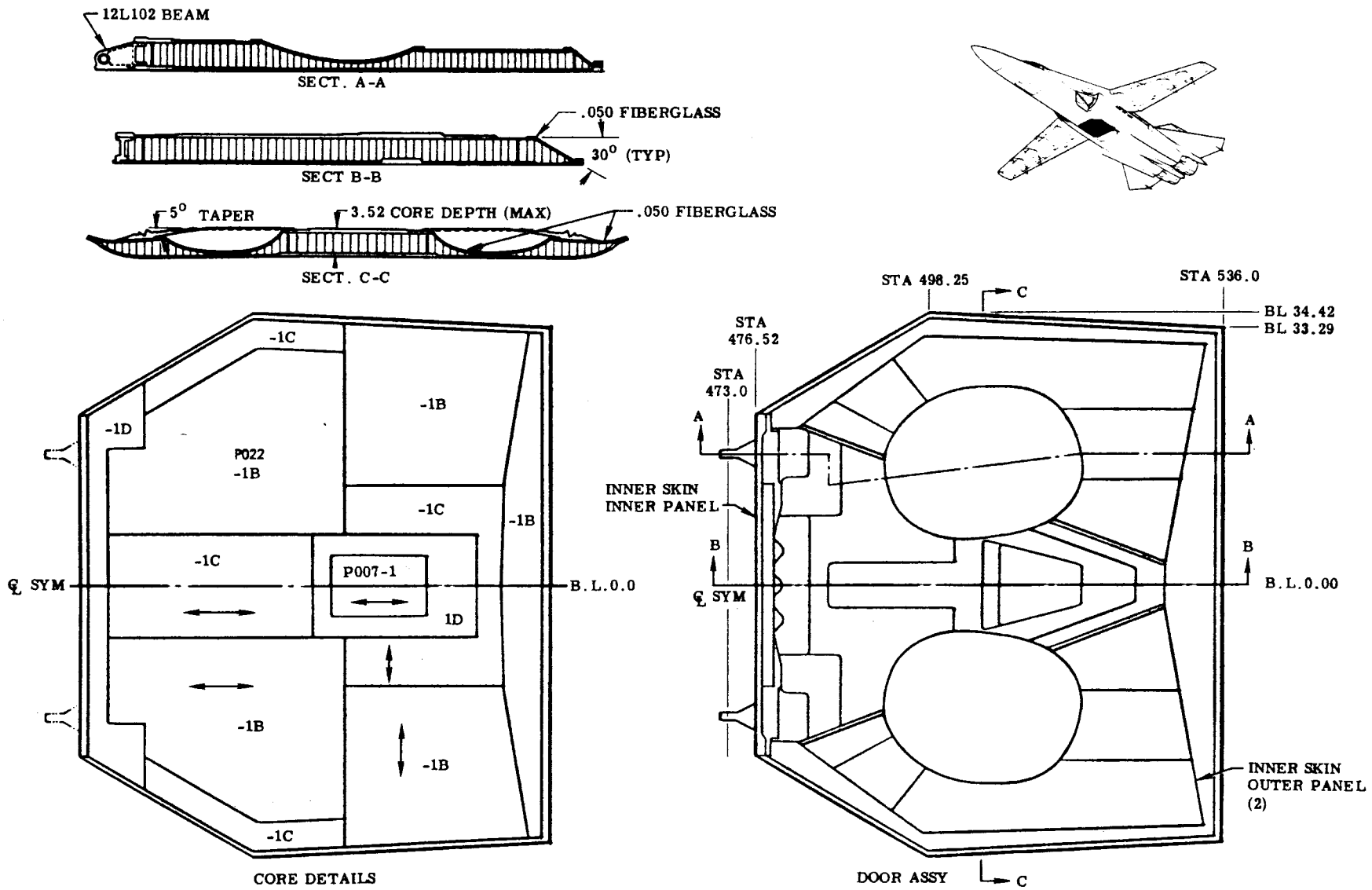


Figure 3-124 12L101 SPEEDBRAKE DOOR (STA. 476 TO 536)

AREA = 25 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

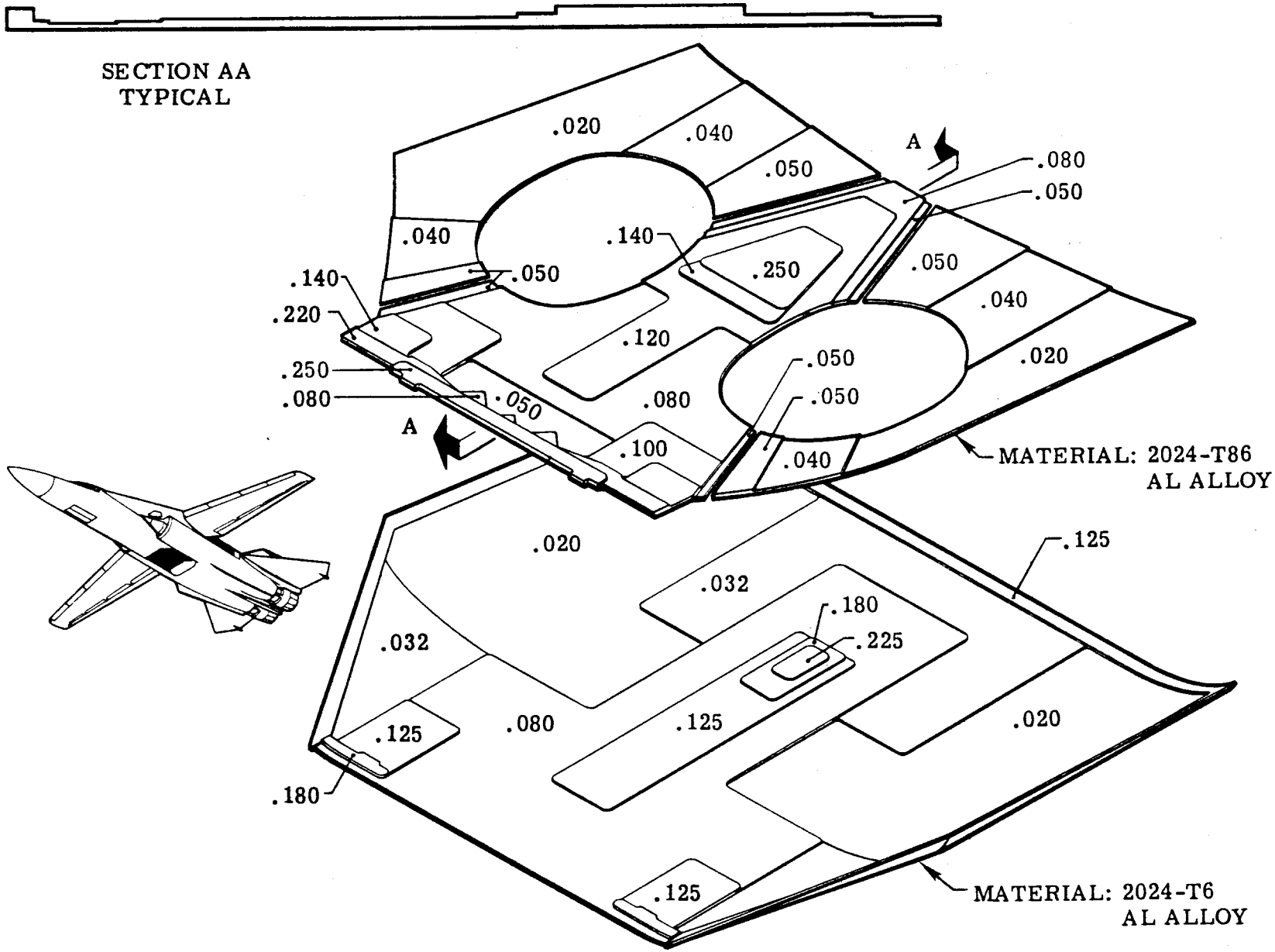
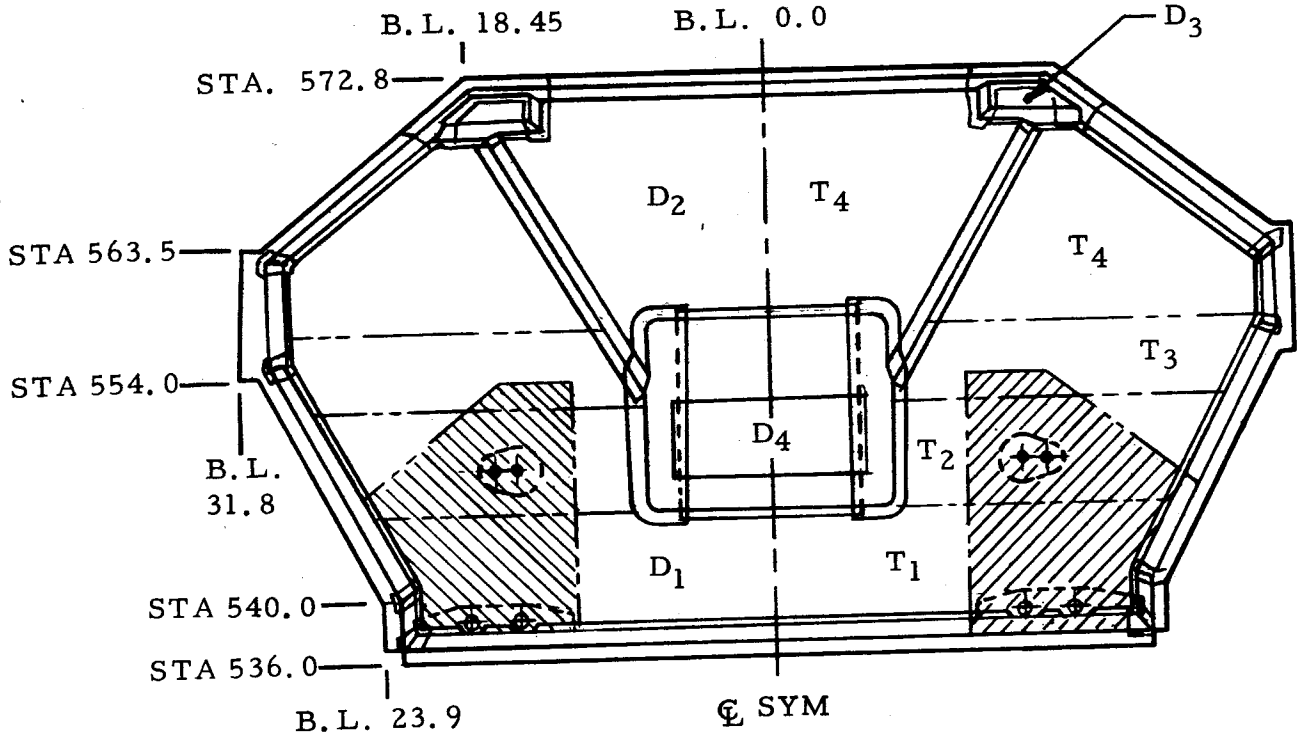
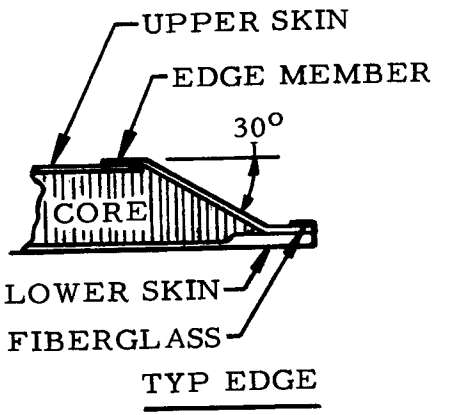


Figure 3-126 SPEED BRAKE DOOR UPPER/LOWER SKINS



AREA = 14.7 SQ. FT.



BONDED ALUMINUM HONEYCOMB					
NAME	1	2	3	4	MATERIAL
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

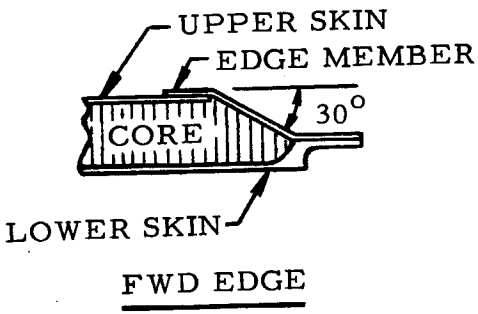


Figure 3-127 12L140 AFT MAIN LANDING GEAR DOOR (STA. 536 TO 572.8)

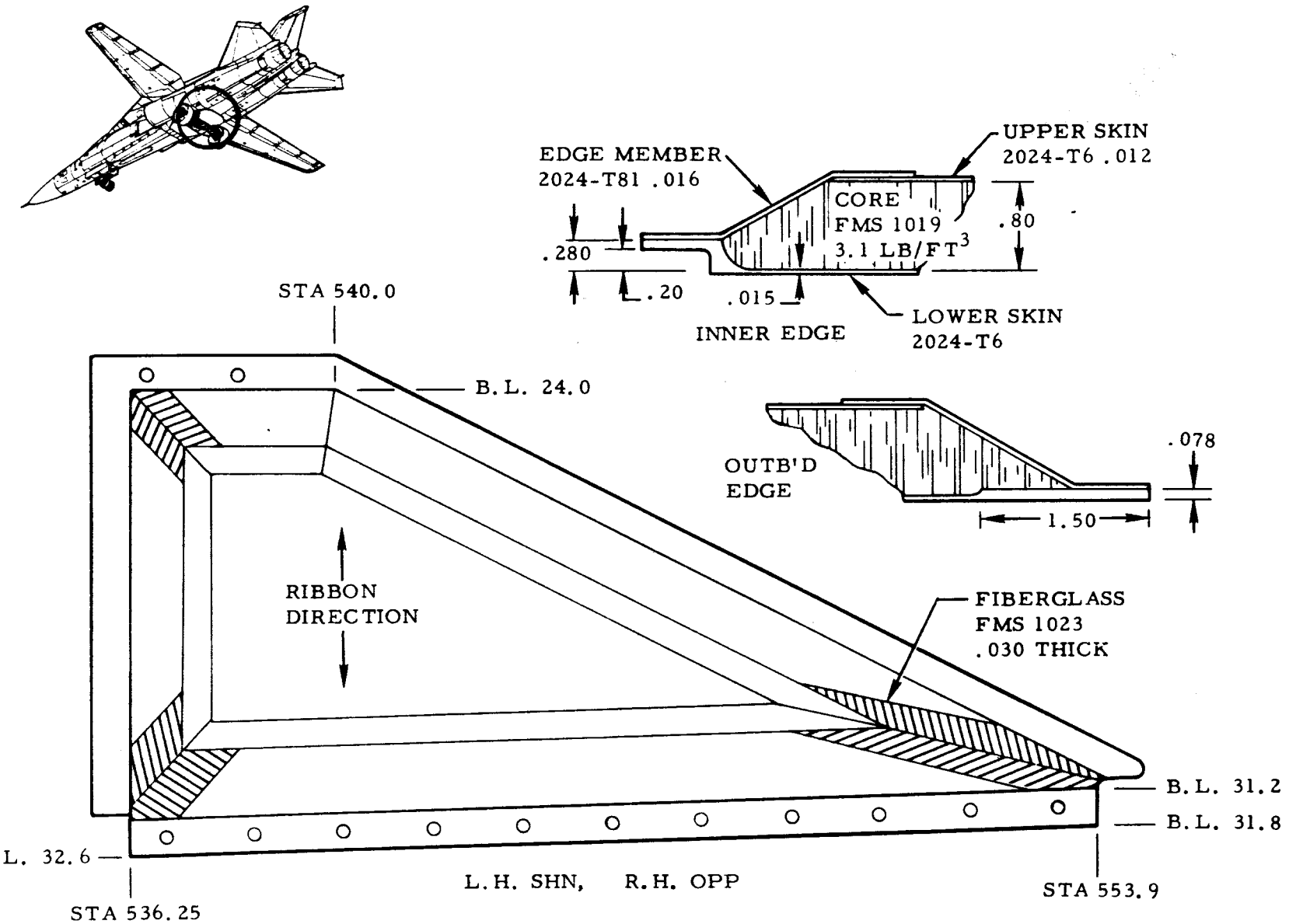


Figure 3-128 12L110 FAIRING (Sta. 536 to 554)

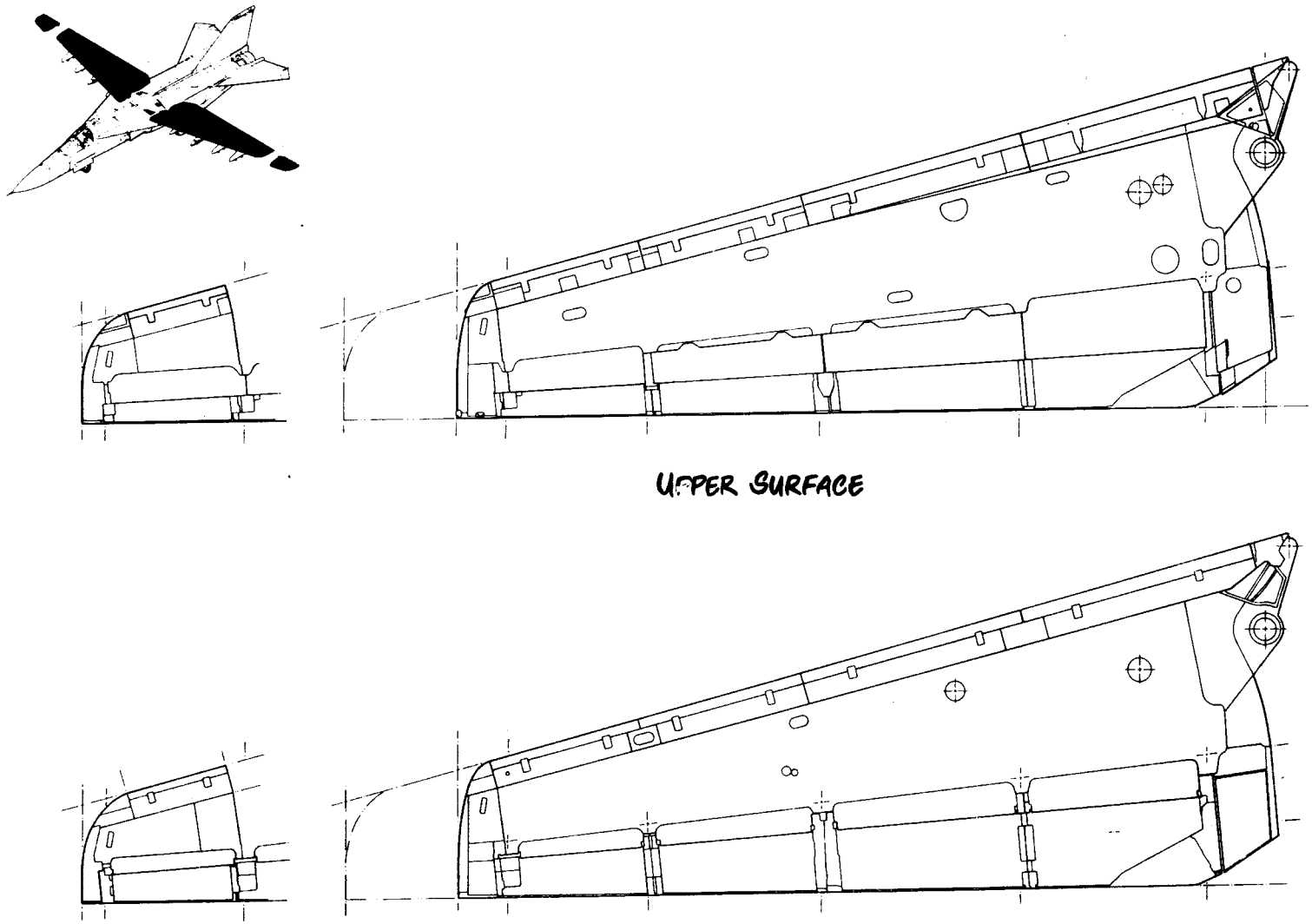
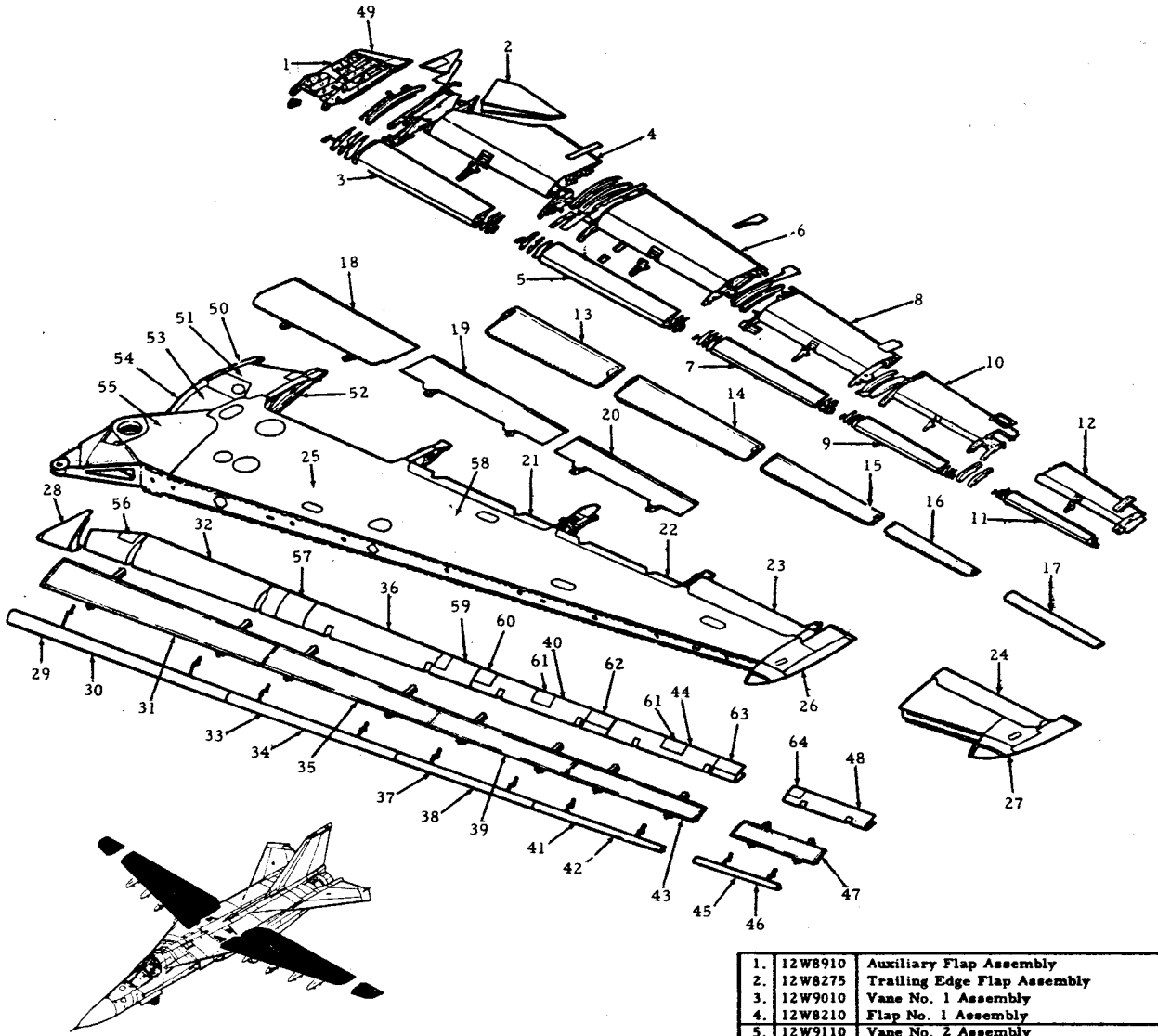


Figure 3-129 WING ASSEMBLY - PLAN VIEW



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
58.	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

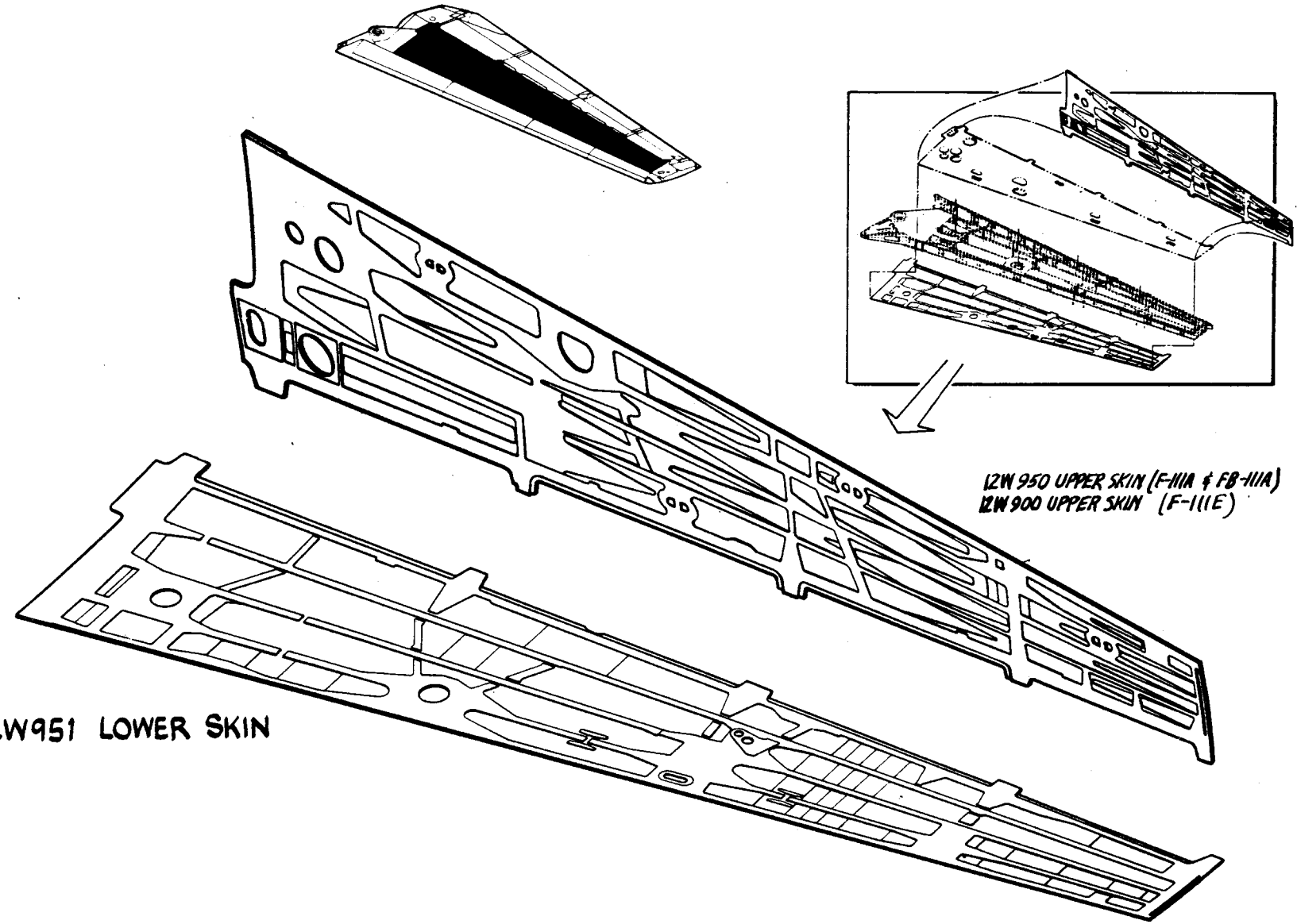


Figure 3-131 12W950 AND 951 UPPER/LOWER WING SKINS

ST-676-50

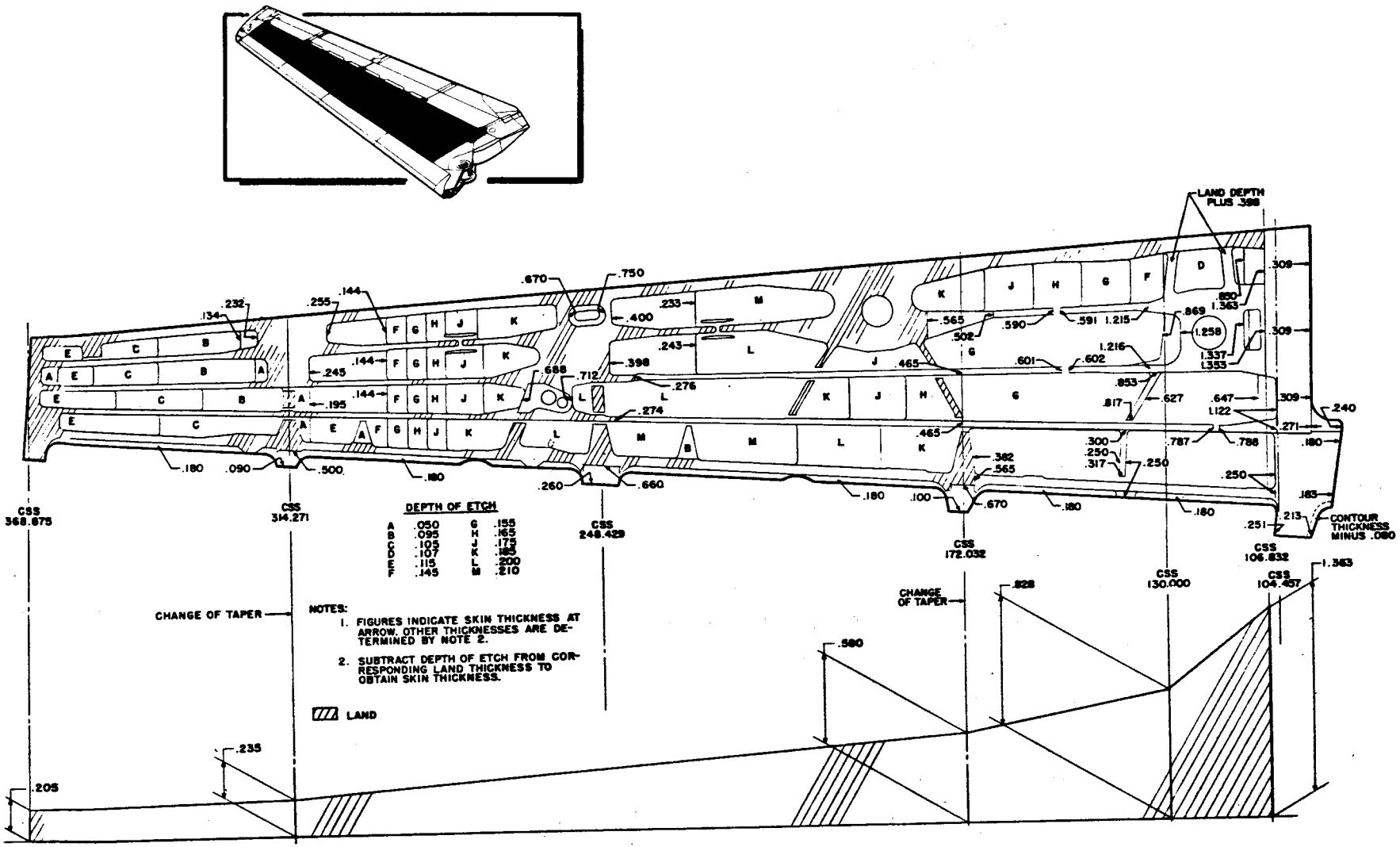
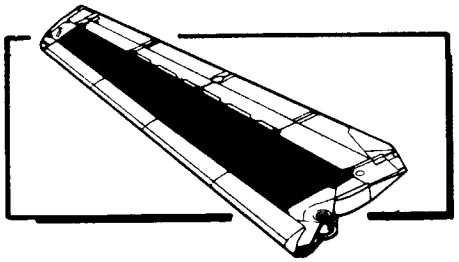


Figure 3-132 WING BOX - *LOWER SKIN*



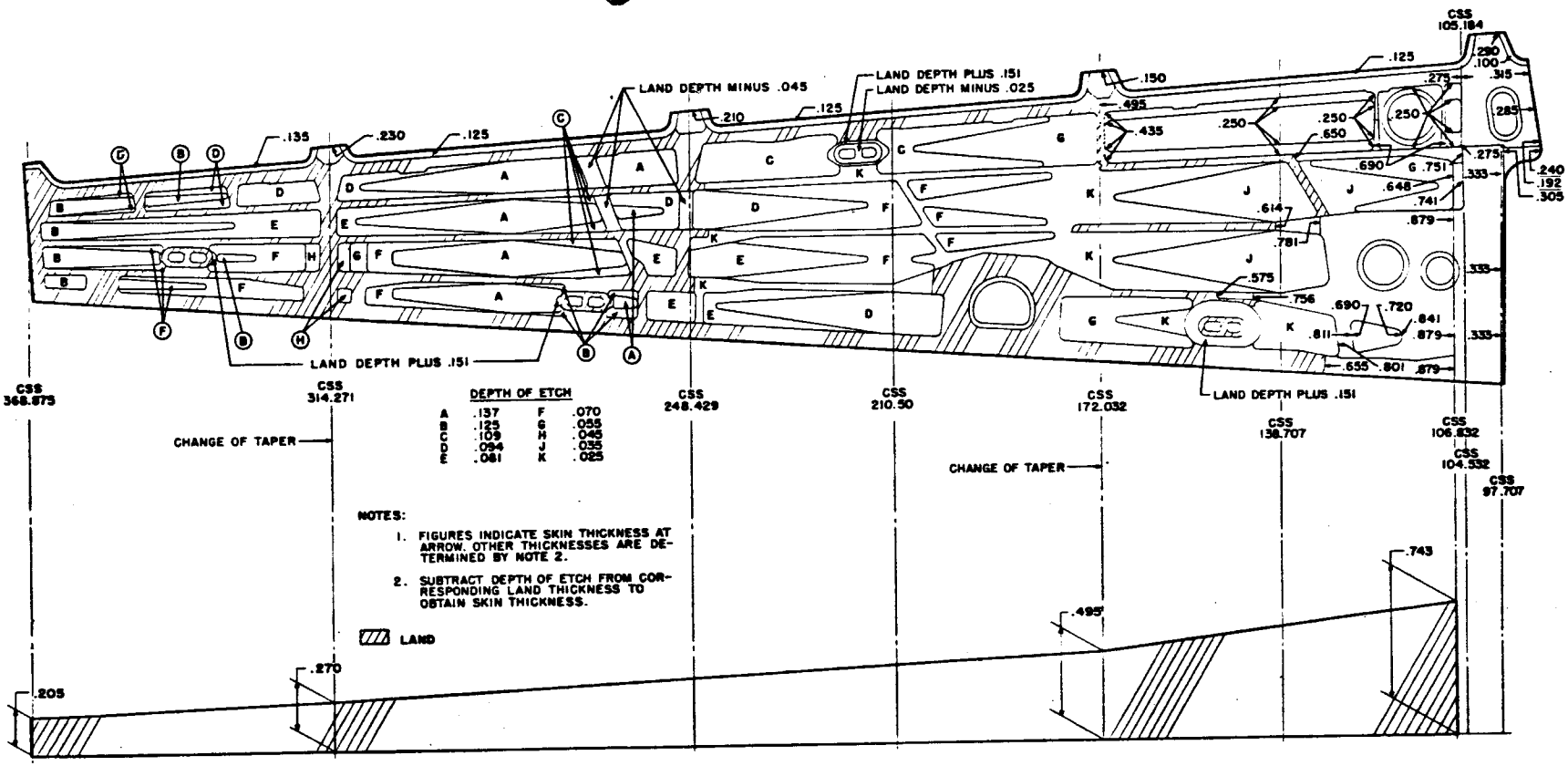


Figure 3-133 WING BOX - *UPPER SKIN*

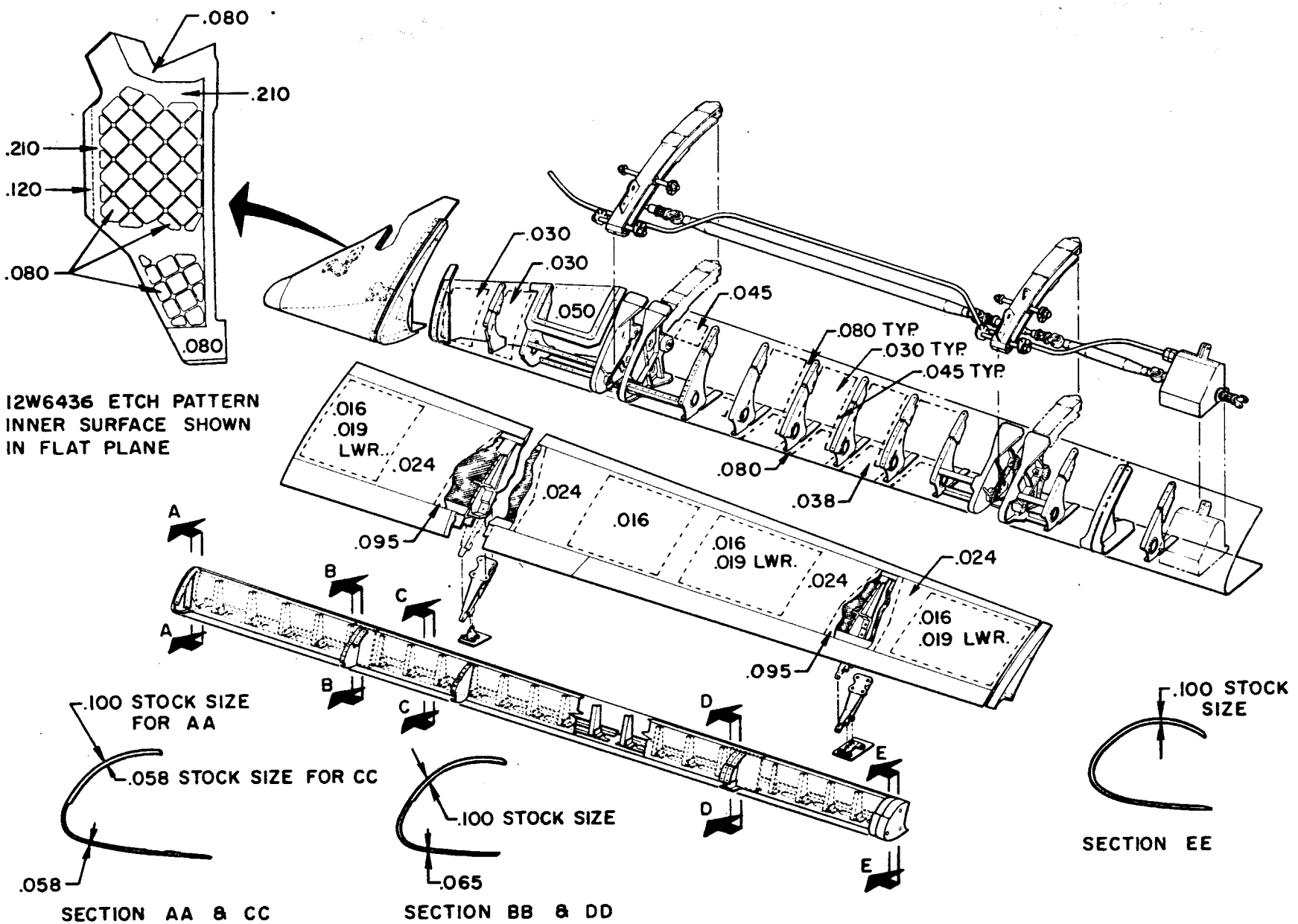


Figure 3-134 WING LEADING EDGE NO. 1 SKIN PANEL DIMENSIONS (F-111A: A1 31 - 159)

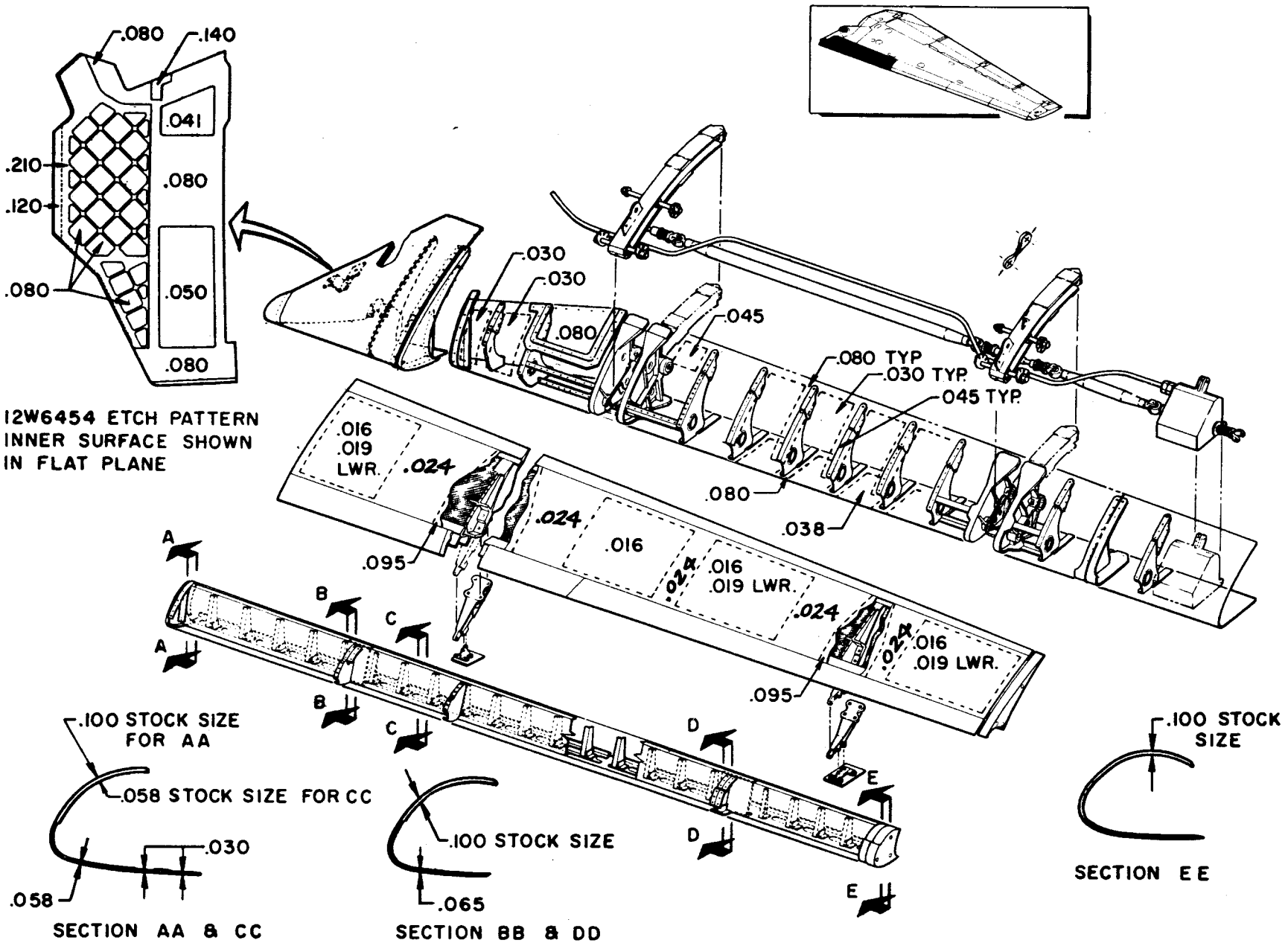


Figure 3-135 FB-111 WING LEADING EDGE NO. 1 SKIN PANEL DIMENSIONS

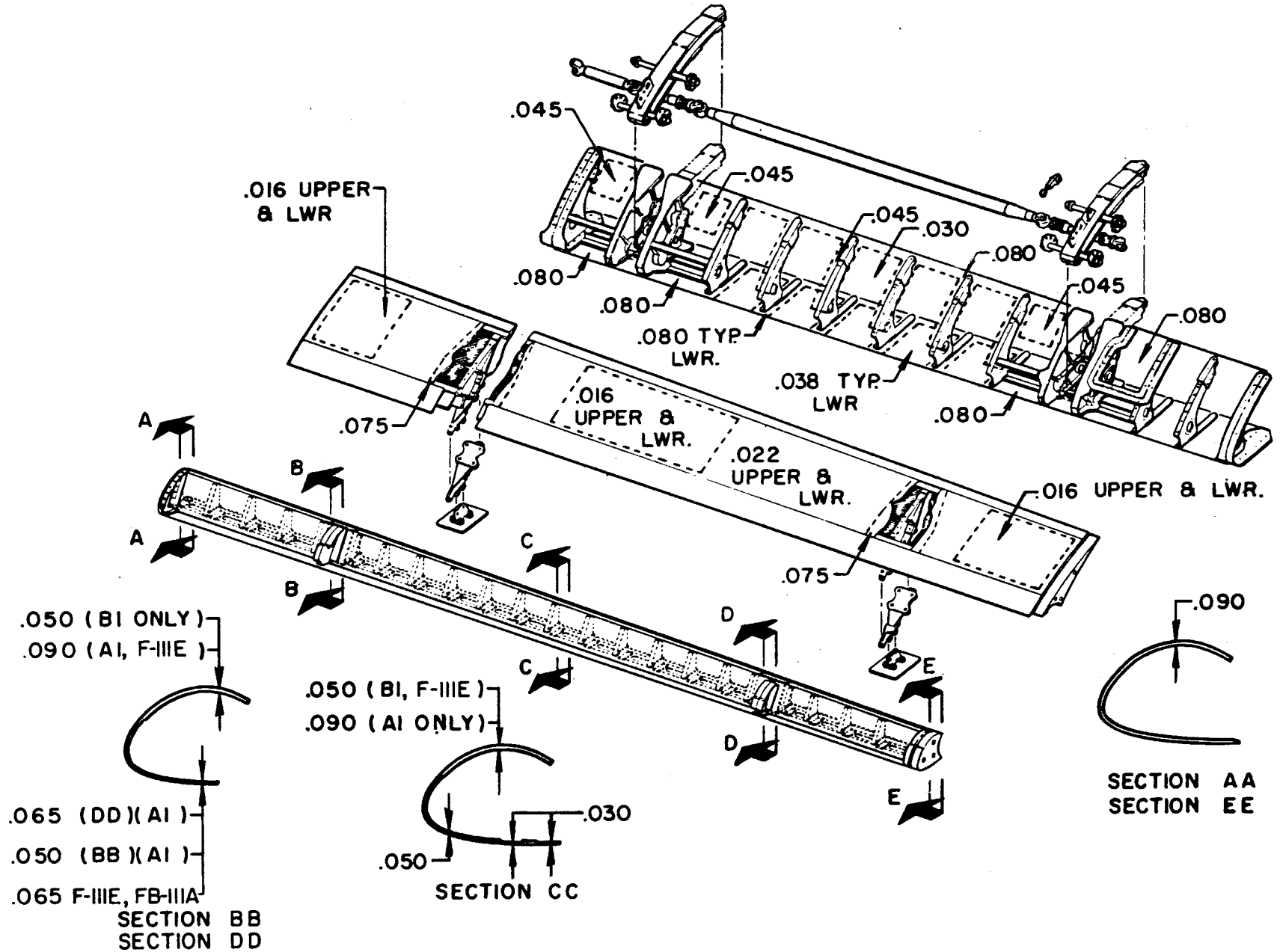


Figure 3-136 WING LEADING EDGE NO. 2 SKIN PANEL DIMENSIONS

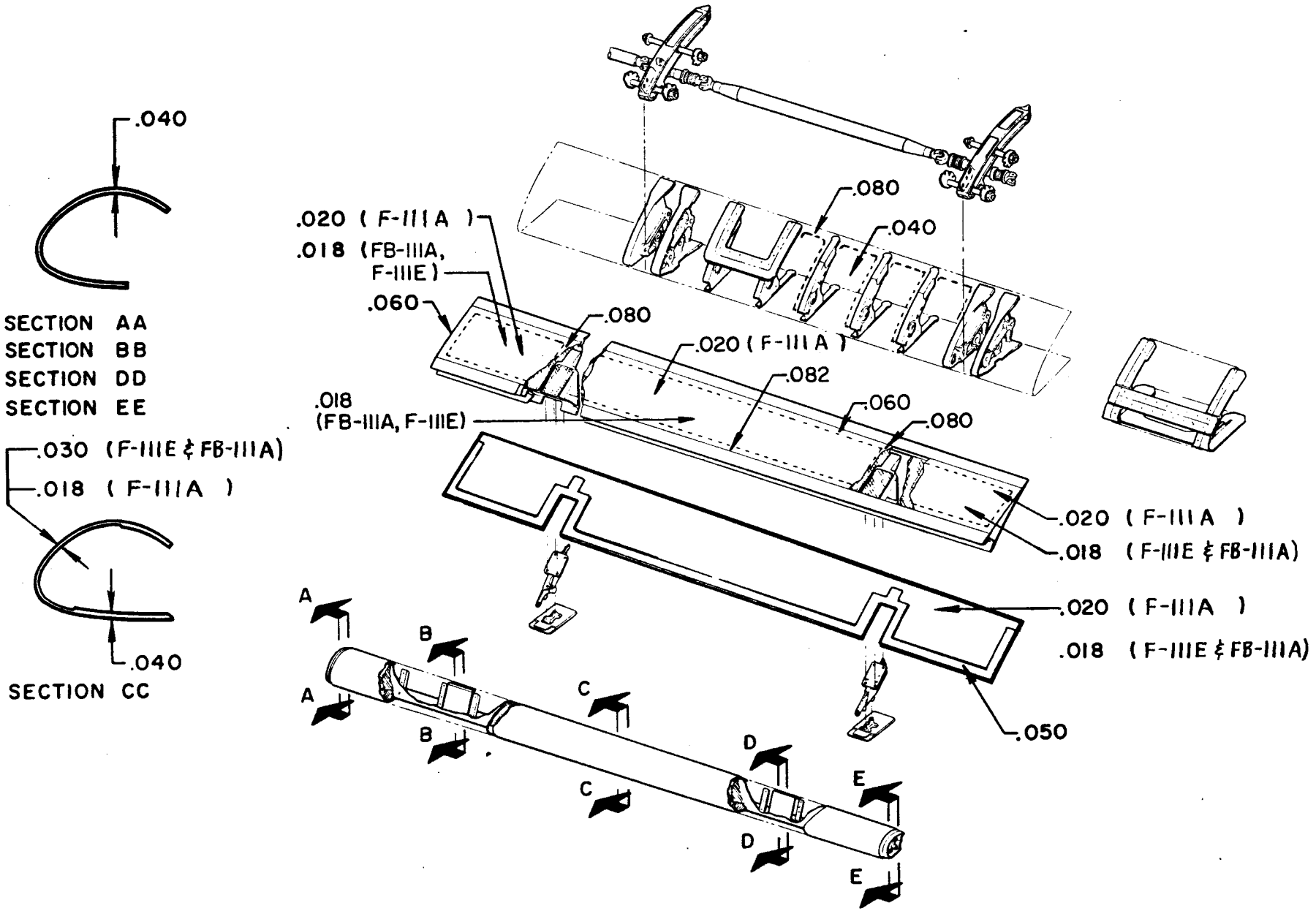
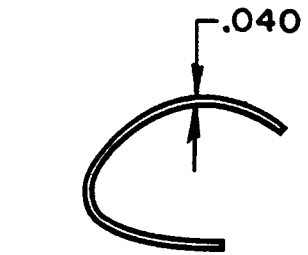
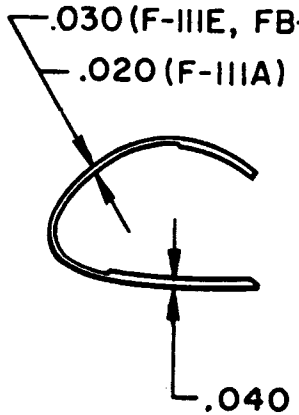


Figure 3-137 WING LEADING EDGE NO. 3 SKIN PANEL DIMENSIONS



SECTION AA
SECTION BB
SECTION DD
SECTION EE



SECTION CC

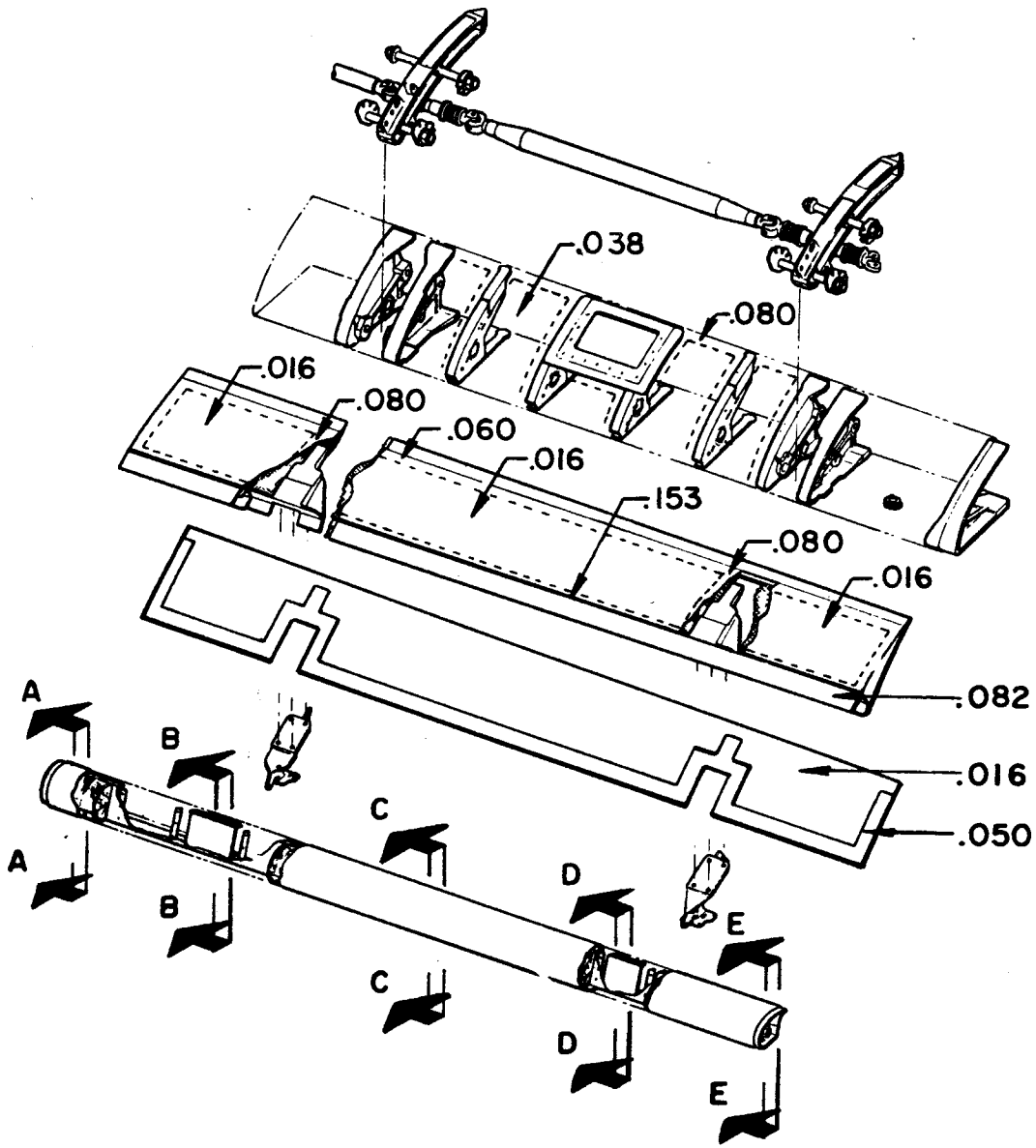


Figure 3-138 WING LEADING EDGE NO. 4 SKIN PANEL DIMENSIONS

ST-769-78A

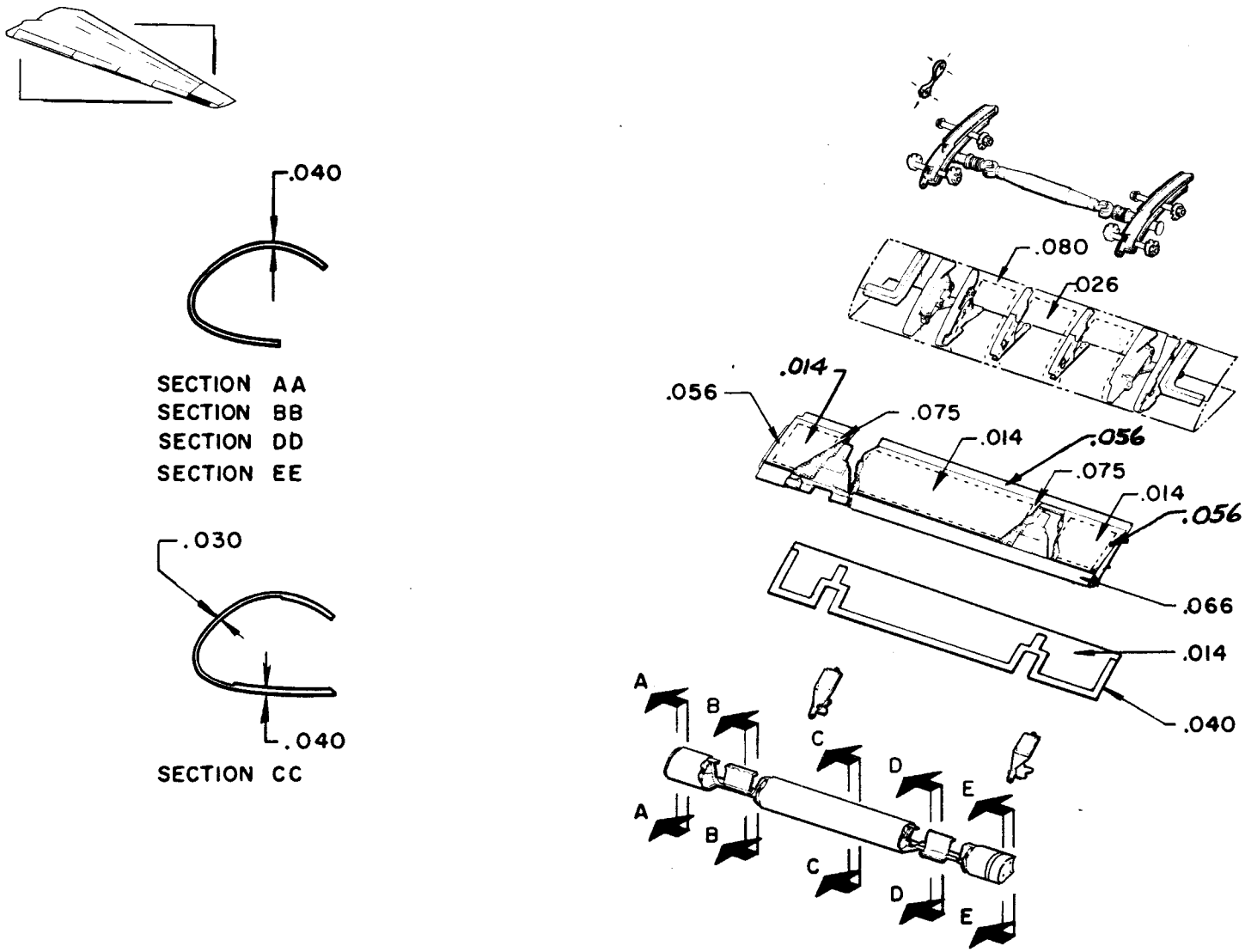
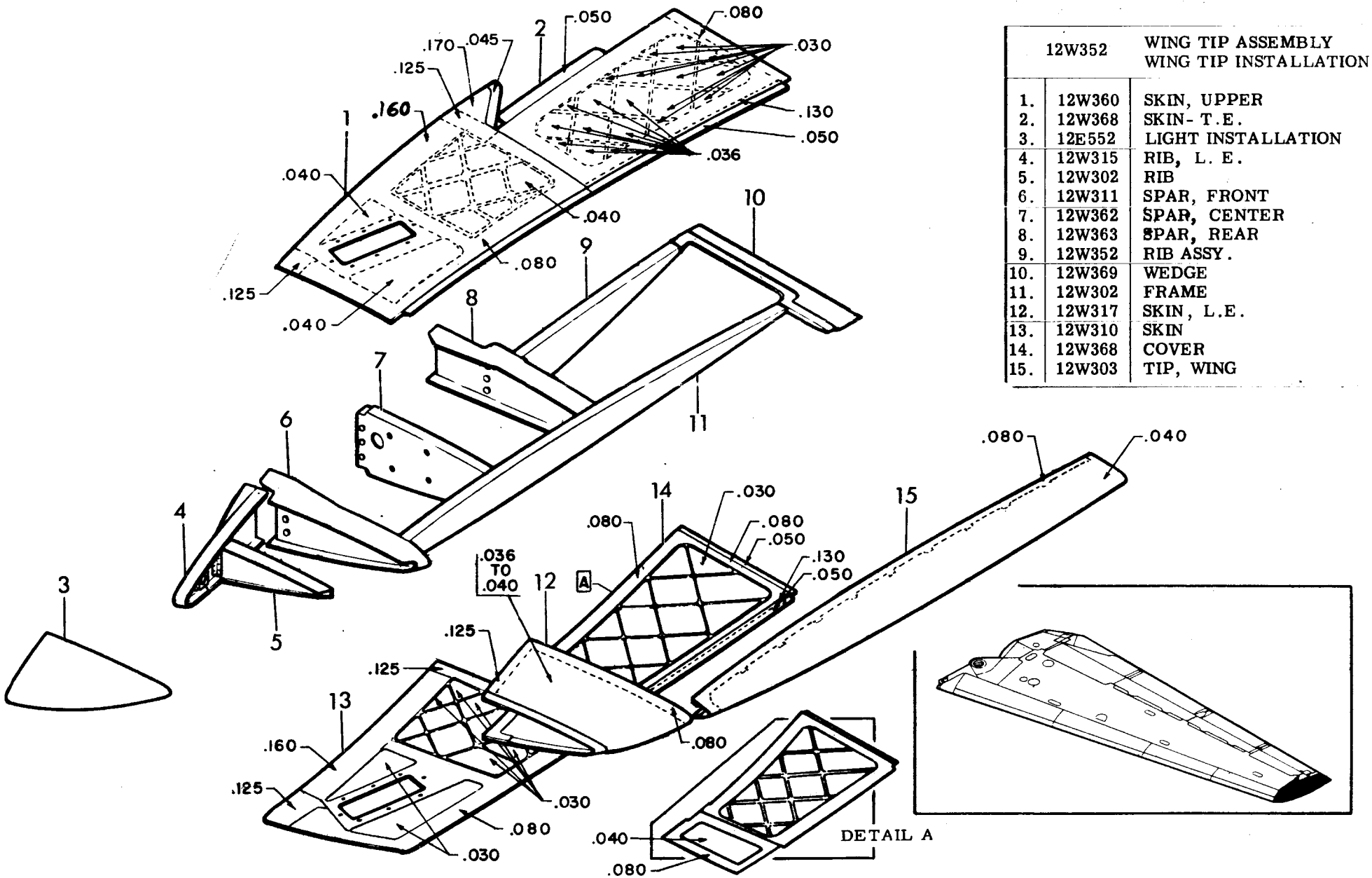


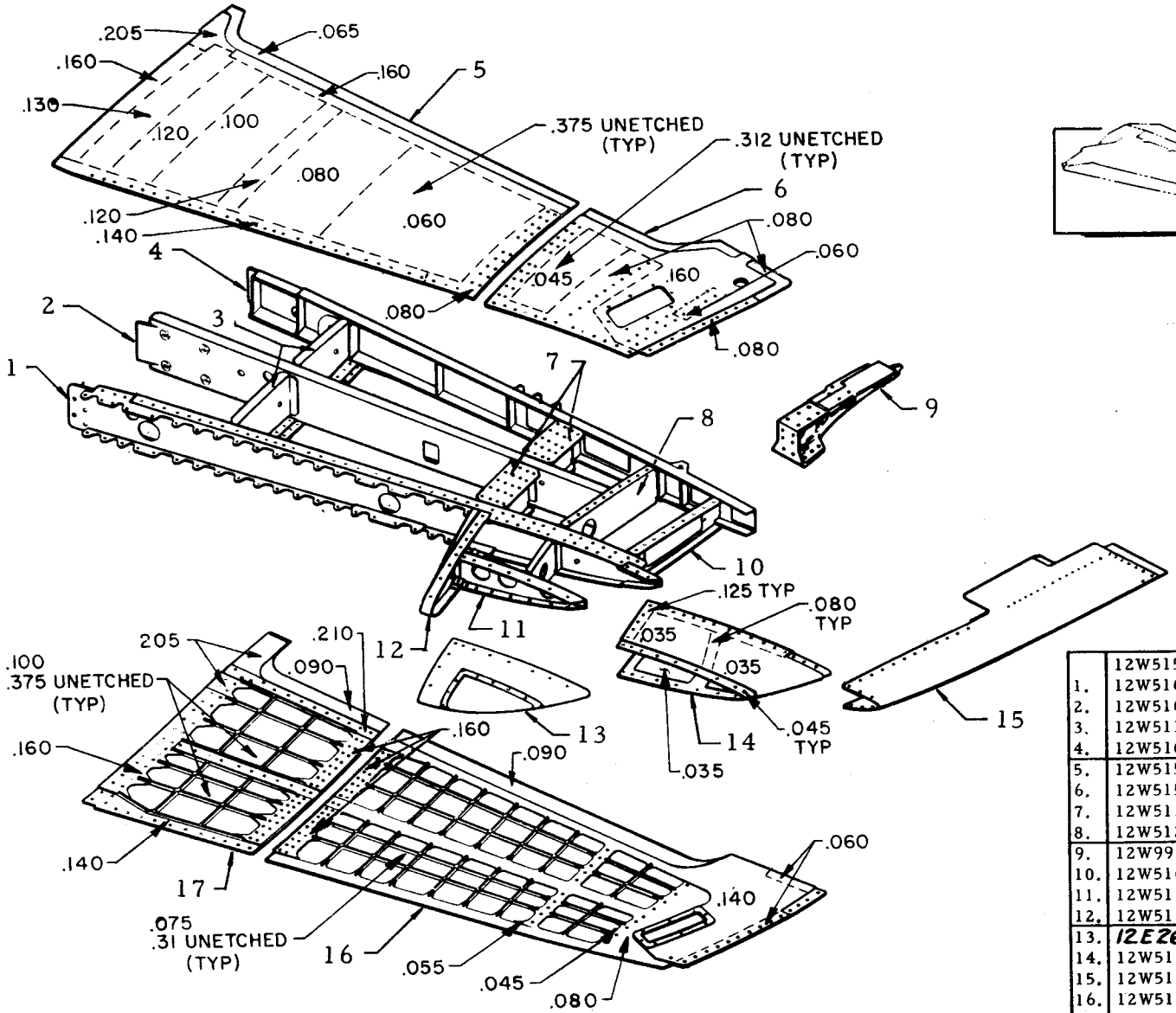
Figure 3-139 FB-111 WING LEADING EDGE NO. 5 - SKIN PANEL DIMENSIONS

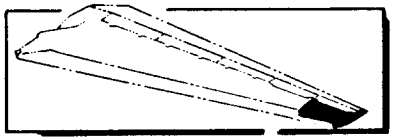


	12W352	WING TIP ASSEMBLY WING TIP INSTALLATION
1.	12W360	SKIN, UPPER
2.	12W368	SKIN- T.E.
3.	12E552	LIGHT INSTALLATION
4.	12W315	RIB, L. E.
5.	12W302	RIB
6.	12W311	SPAR, FRONT
7.	12W362	SPAR, CENTER
8.	12W363	SPAR, REAR
9.	12W352	RIB ASSY.
10.	12W369	WEDGE
11.	12W302	FRAME
12.	12W317	SKIN, L.E.
13.	12W310	SKIN
14.	12W368	COVER
15.	12W303	TIP, WING

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

ST-882-30A



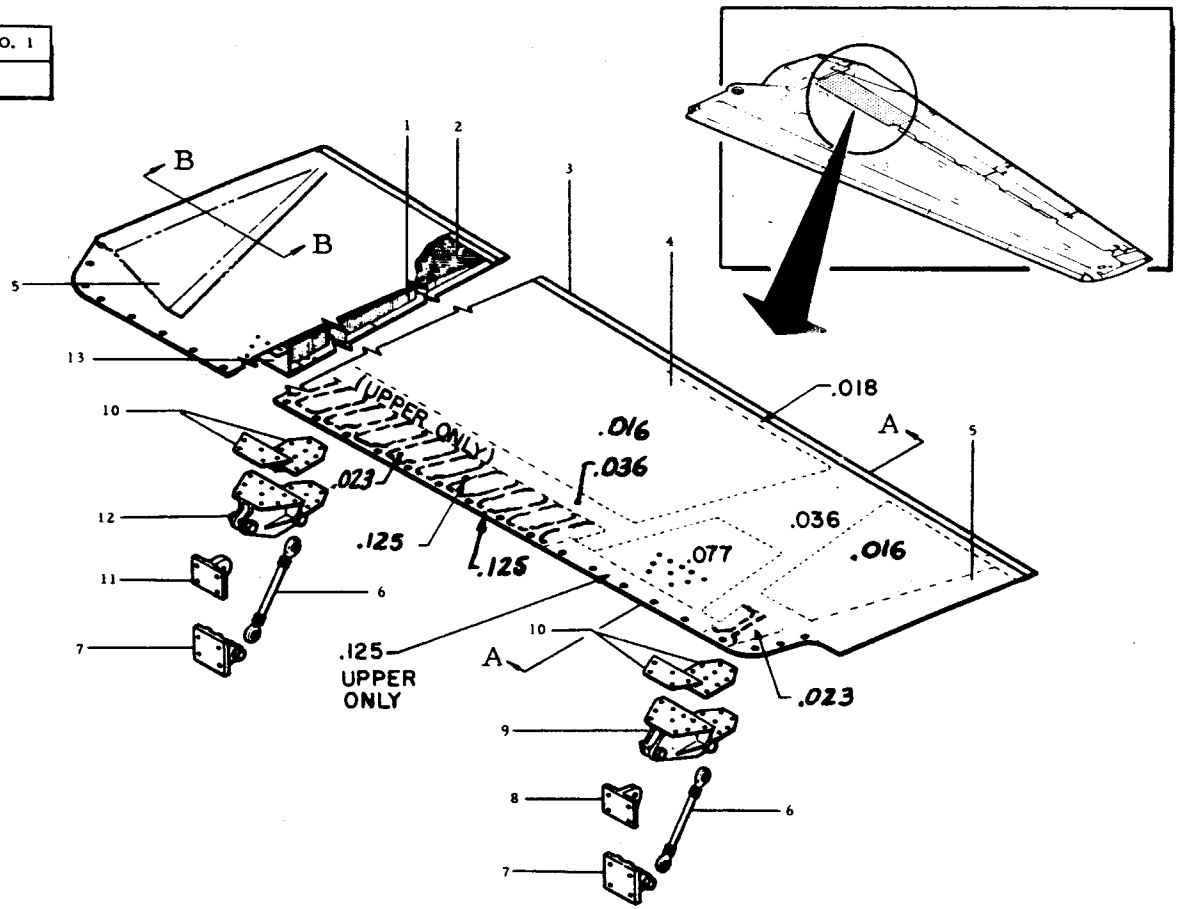


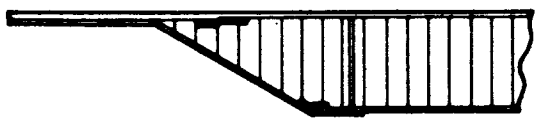
	12W5152	Wing Tip Assy.
1.	12W5161	Front Spar
2.	12W5162	Center Spar
3.	12W5116	Rib
4.	12W5163	Rear Spar
5.	12W5156	Skin, Upper - Inbd.
6.	12W5158	Skin, Upper - Outbd.
7.	12W5118	Rib
8.	12W5120	Rib
9.	12W9911	Rib Instl. No. 6
10.	12W5160	Rib
11.	12W5117	Rib
12.	12W5115	Rib
13.	12E2600	Light
14.	12W5119	Skin
15.	12W5153	Wing Tip Assy.
16.	12W5159	Skin, Lwr. - Outbd.
17.	12W5157	Panel, Access - Fuel

Figure 3-141 FB-111 WING TIP

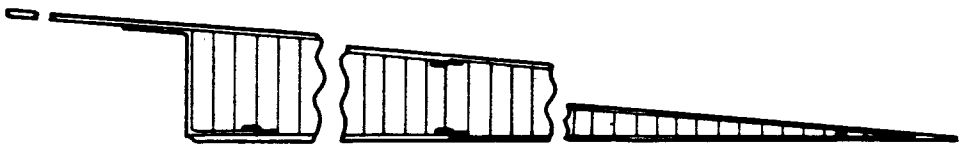
12W7905	T. E. INSTALLATION, FIXED - NO. 1
12W7925	T. E. ASSEMBLY, FIXED - NO. 1

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)





SECTION BB



SECTION AA

Figure 3-142 FIXED TRAILING EDGE PANEL NO. 1

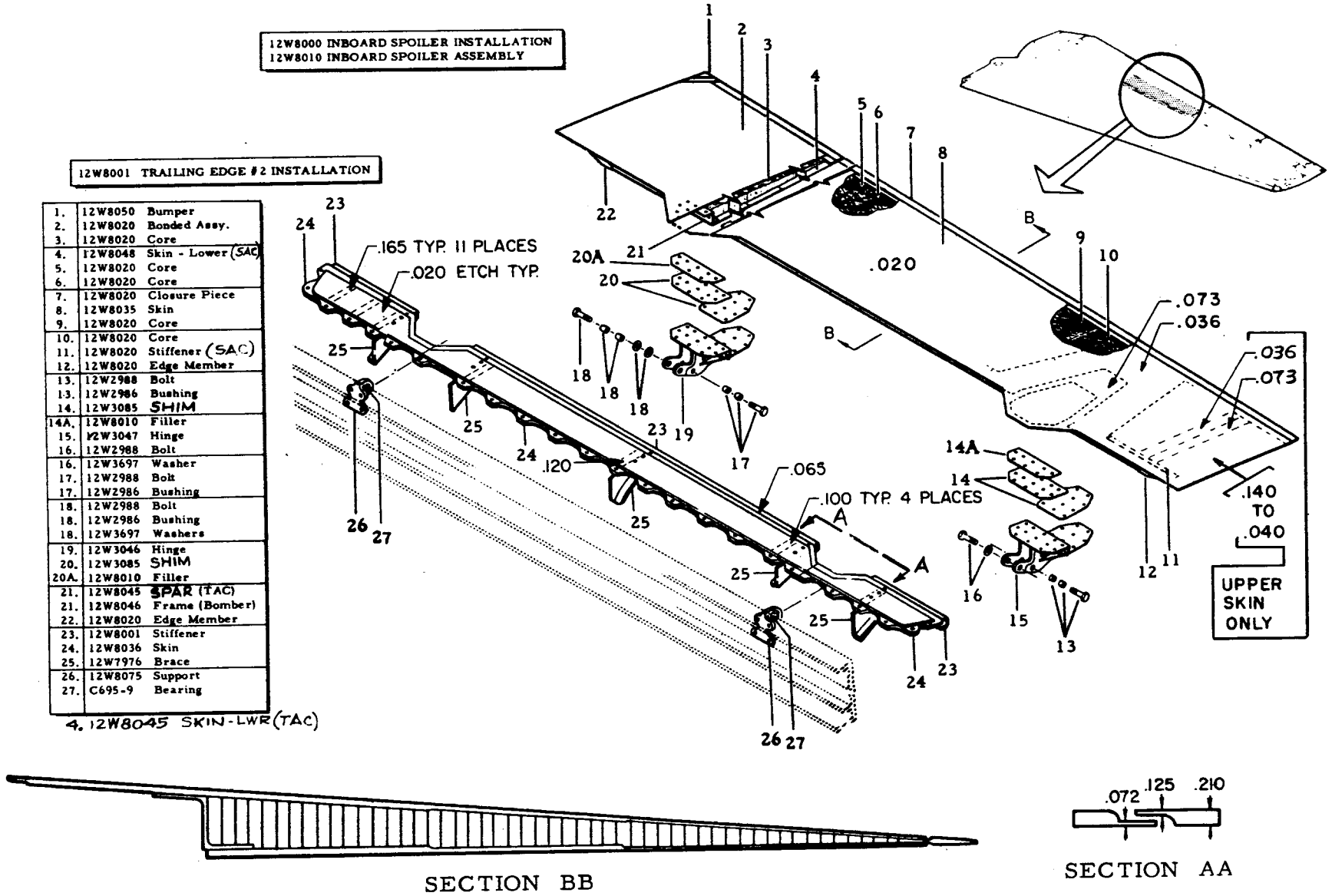


Figure 3-143 INBOARD SPOILER AND NO. 2 TRAILING EDGE INSTALLATION

ST-732-47A

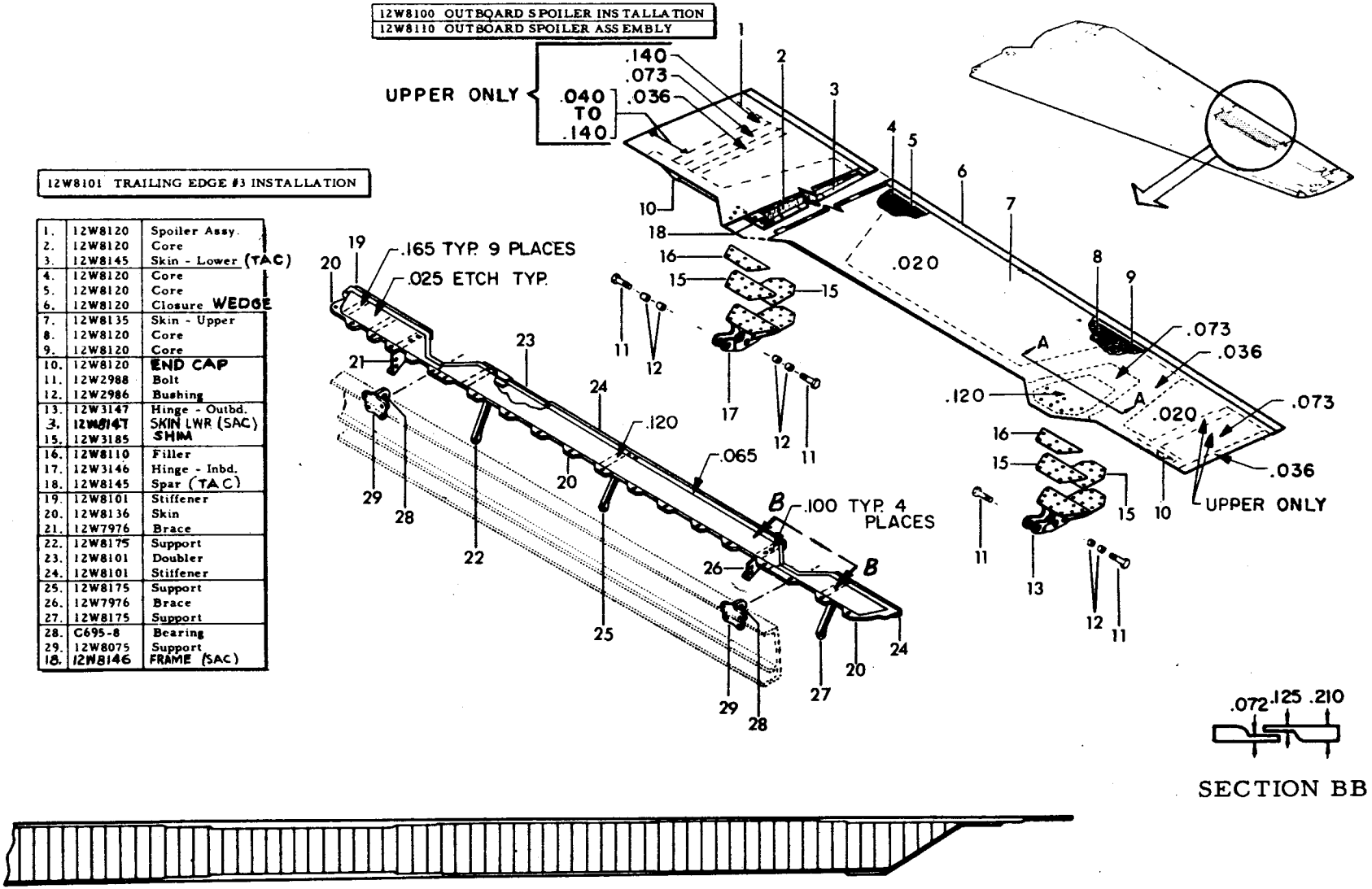
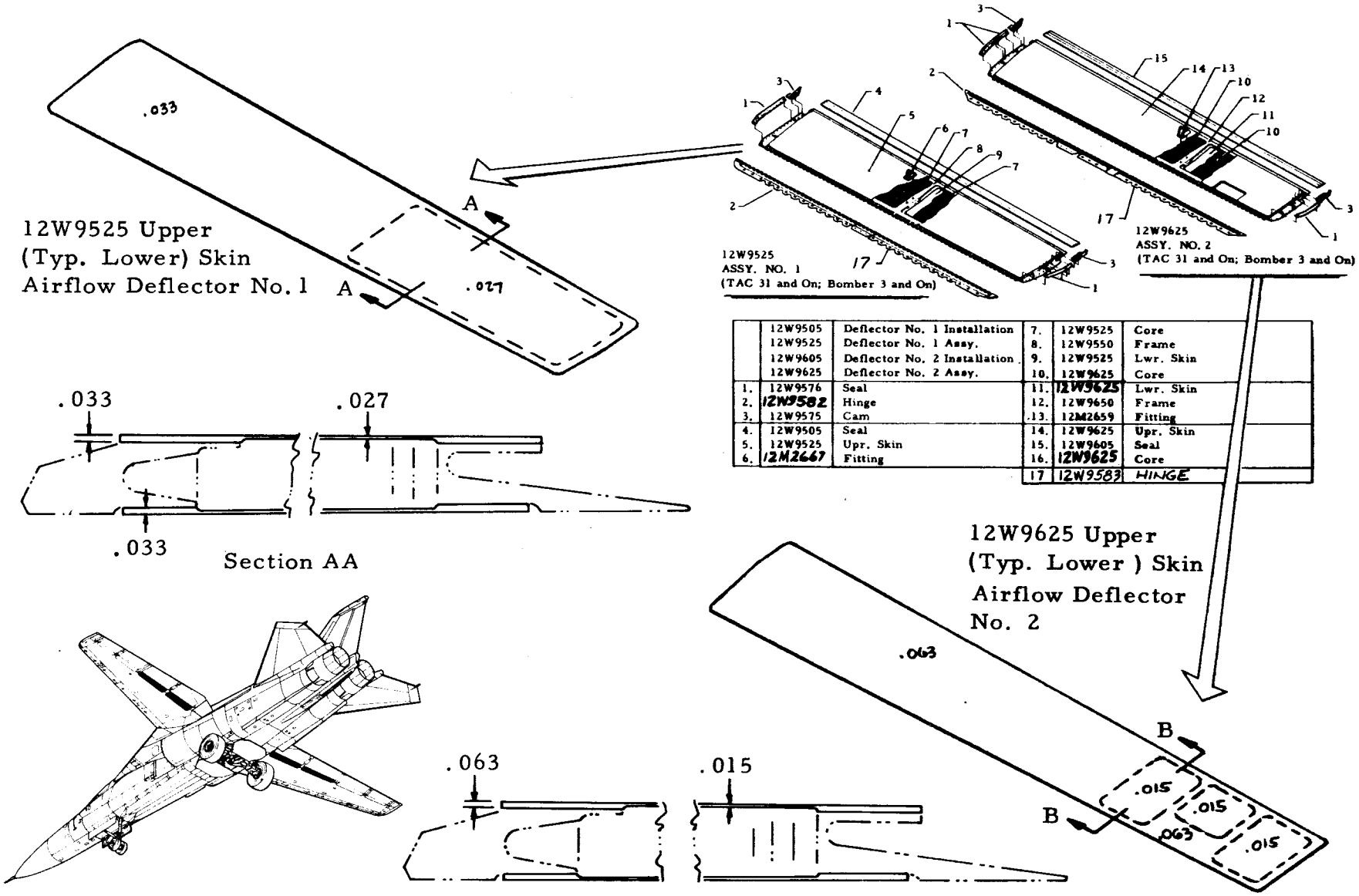


Figure 3-144 OUTBOARD SPOILER AND NO. 3 TRAILING EDGE INSTALLATION

ST-732-48A



	12W9505	Deflector No. 1 Installation	7.	12W9525	Core
	12W9525	Deflector No. 1 Assy.	8.	12W9550	Frame
	12W9605	Deflector No. 2 Installation	9.	12W9525	Lwr. Skin
	12W9625	Deflector No. 2 Assy.	10.	12W9625	Core
1.	12W9576	Seal	11.	12W9625	Lwr. Skin
2.	12W9582	Hinge	12.	12W9650	Frame
3.	12W9575	Cam	13.	12M2659	Fitting
4.	12W9505	Seal	14.	12W9625	Upr. Skin
5.	12W9525	Upr. Skin	15.	12W9605	Seal
6.	12M2667	Fitting	16.	12W9625	Core
			17	12W9583	HINGE

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

ST-761-25A

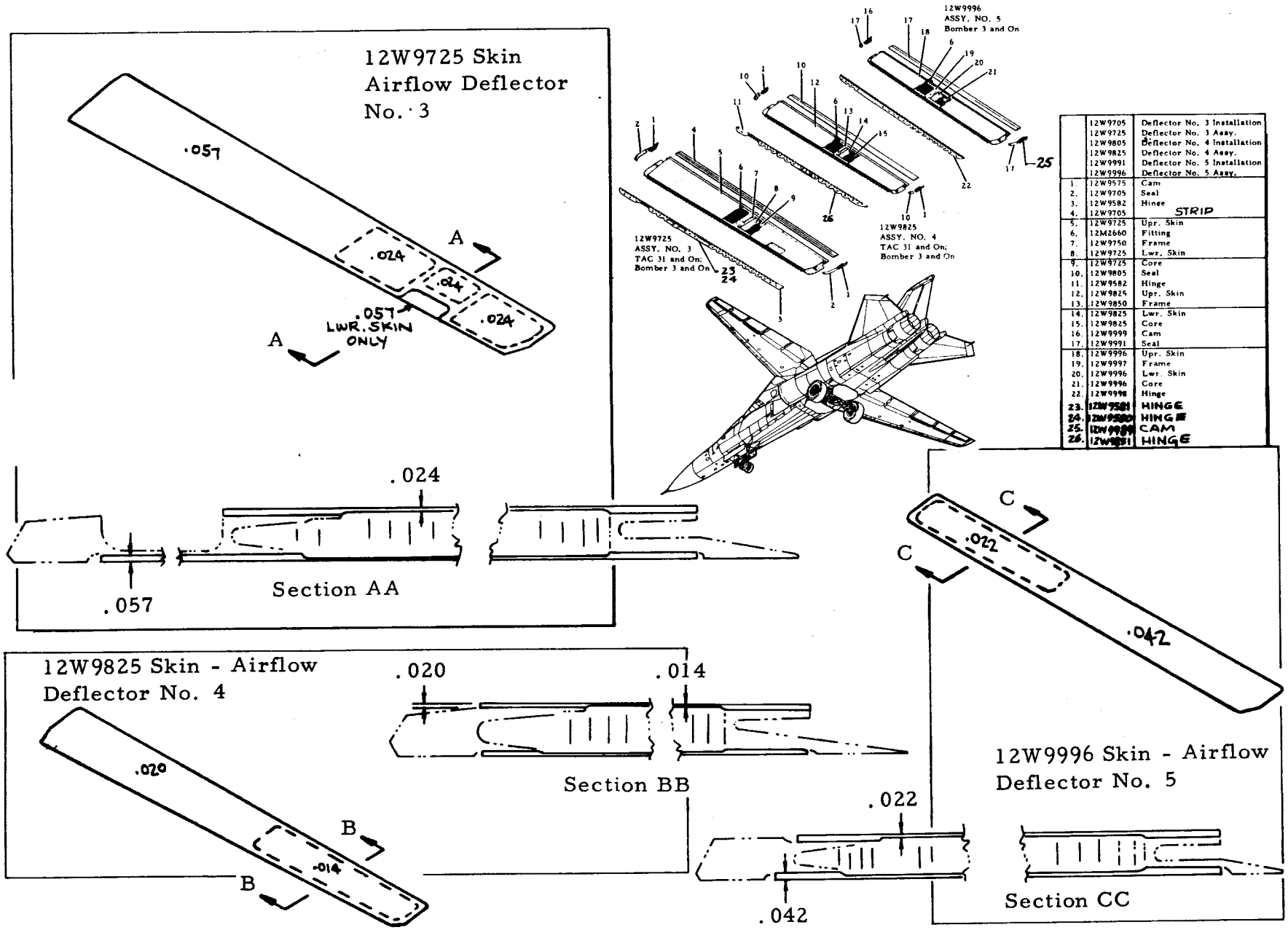
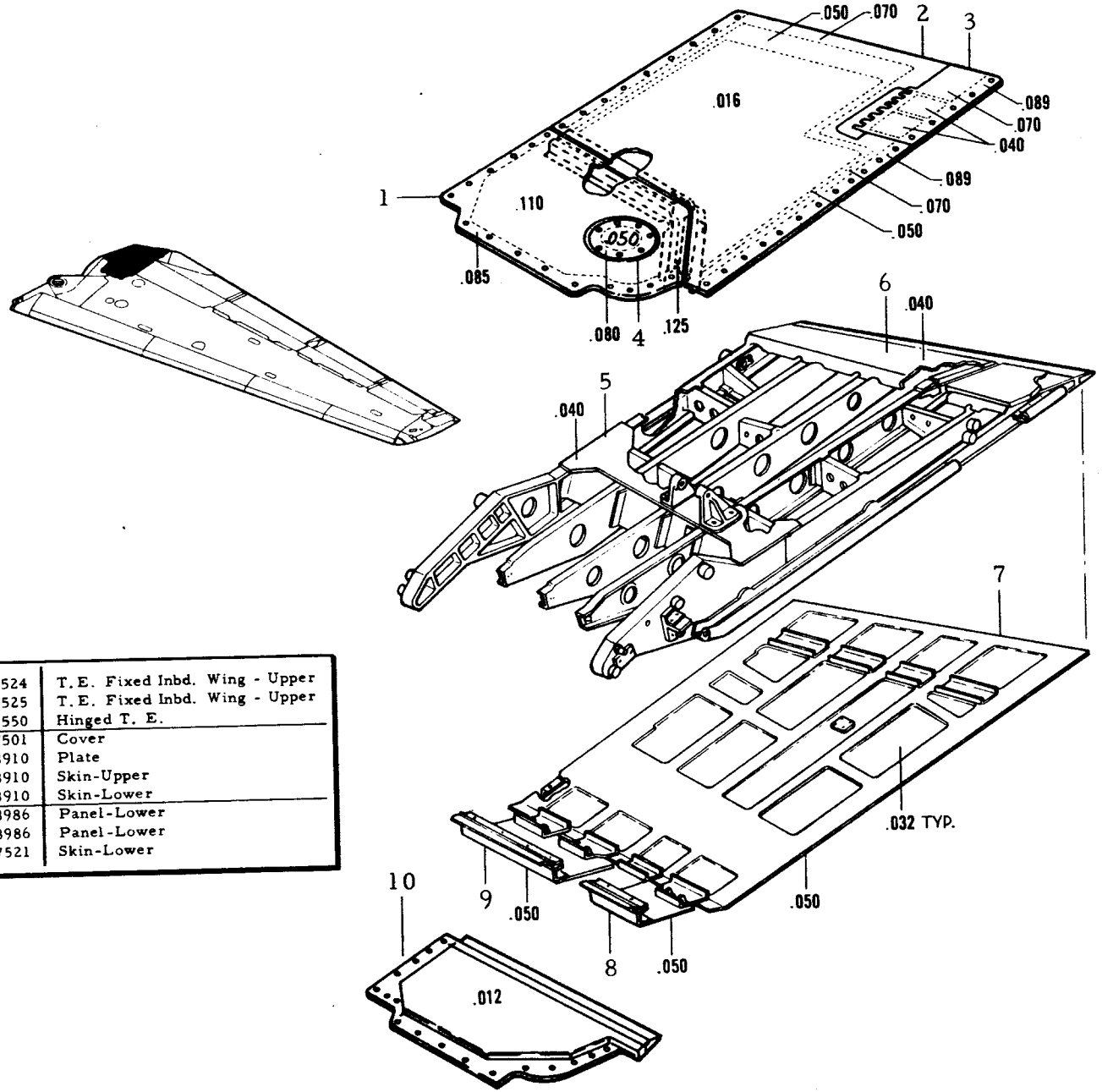


Figure 3-146 AIRFLOW DEFLECTORS - ASSEMBLIES NO. 3, 4 AND 5

ST-761-24A



1.	12W7524	T.E. Fixed Inbd. Wing - Upper
2.	12W7525	T.E. Fixed Inbd. Wing - Upper
3.	12W7550	Hinged T. E.
4.	12W7501	Cover
5.	12W8910	Plate
6.	12W8910	Skin-Upper
7.	12W8910	Skin-Lower
8.	12W8986	Panel-Lower
9.	12W8986	Panel-Lower
10.	12W7521	Skin-Lower

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

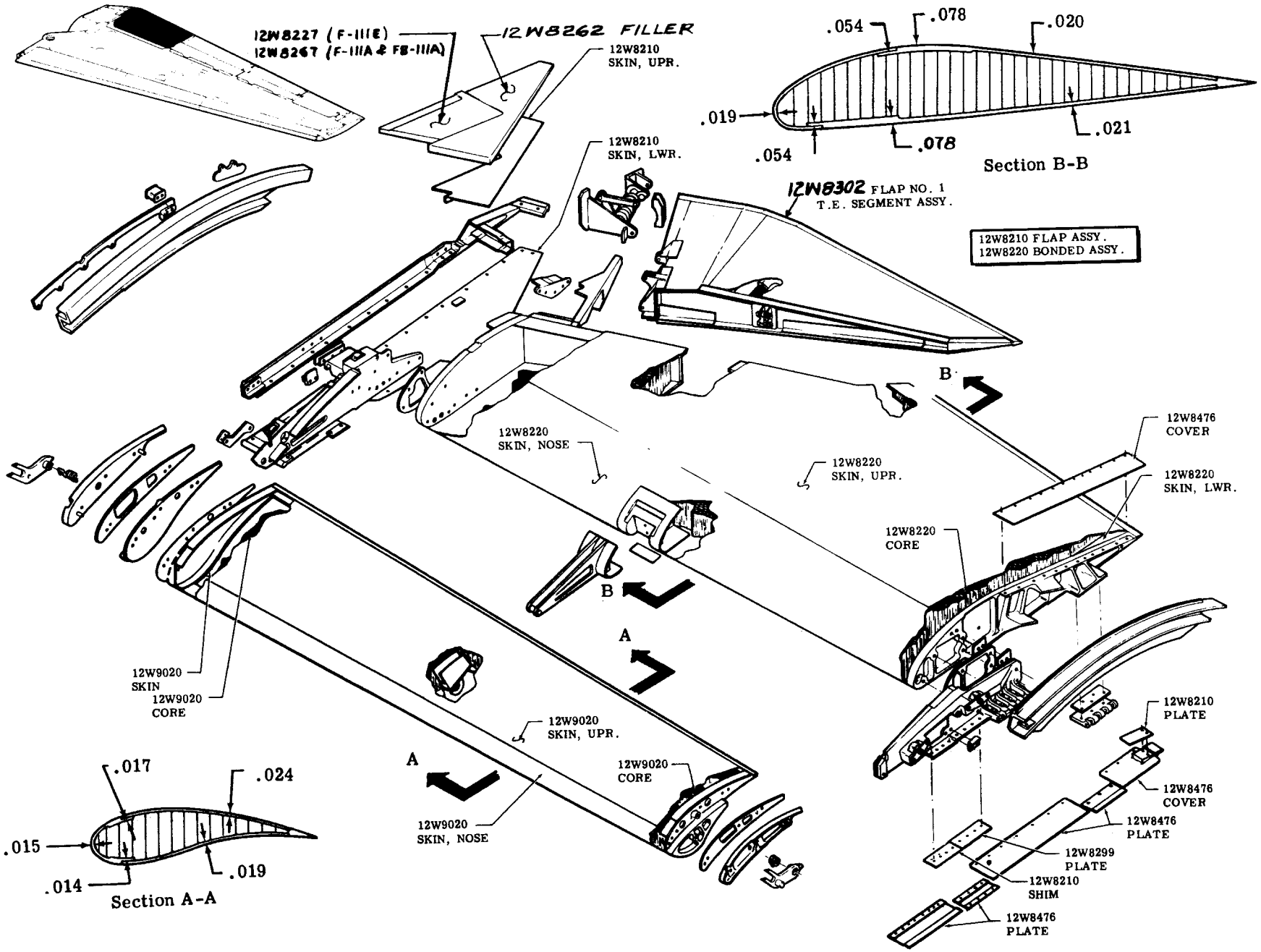


Figure 3-148 WING TRAILING EDGE FLAP AND VANE ASSEMBLY NO. 1

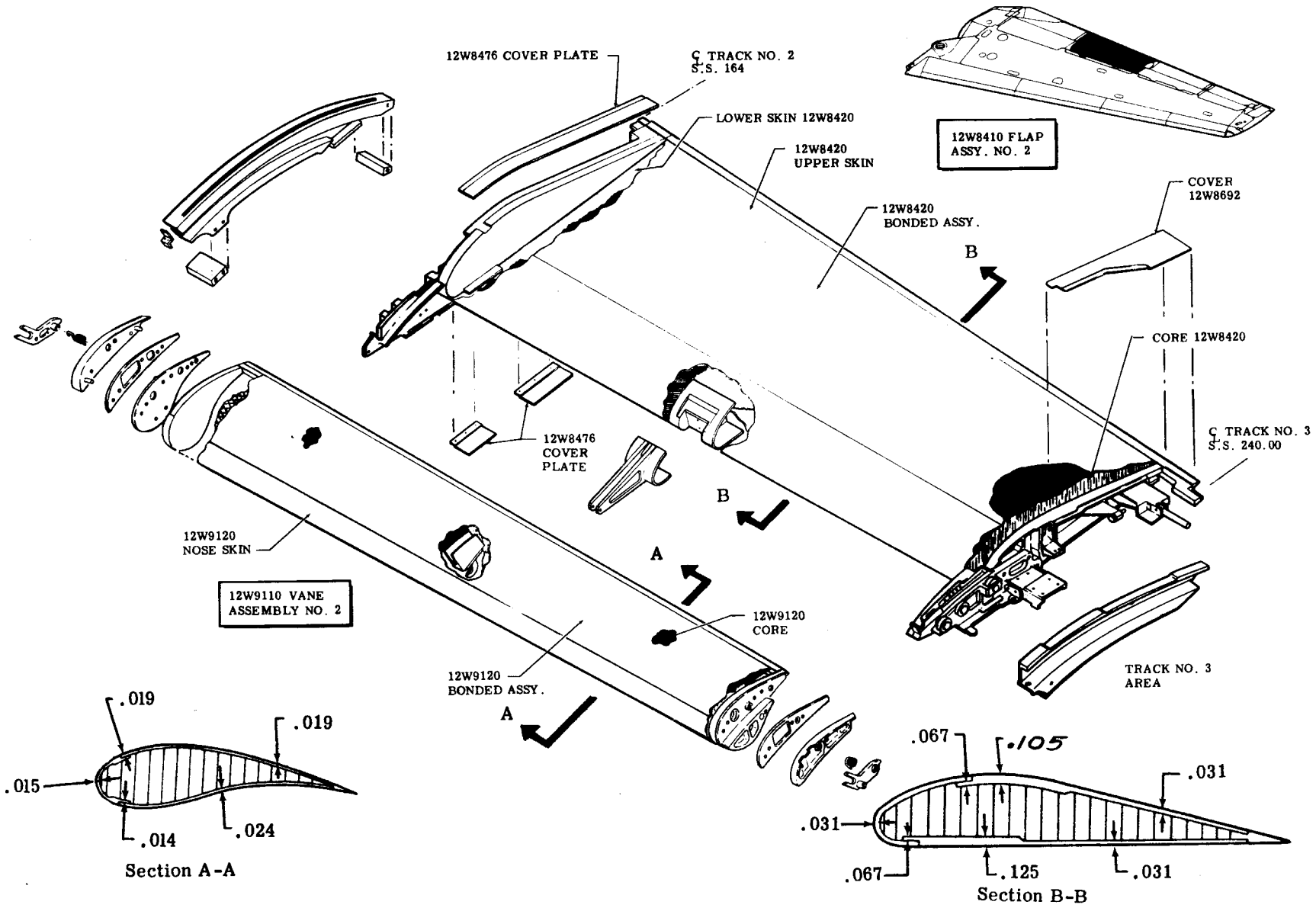


Figure 3-149 WING TRAILING EDGE FLAP AND VANE ASSEMBLY NO. 2

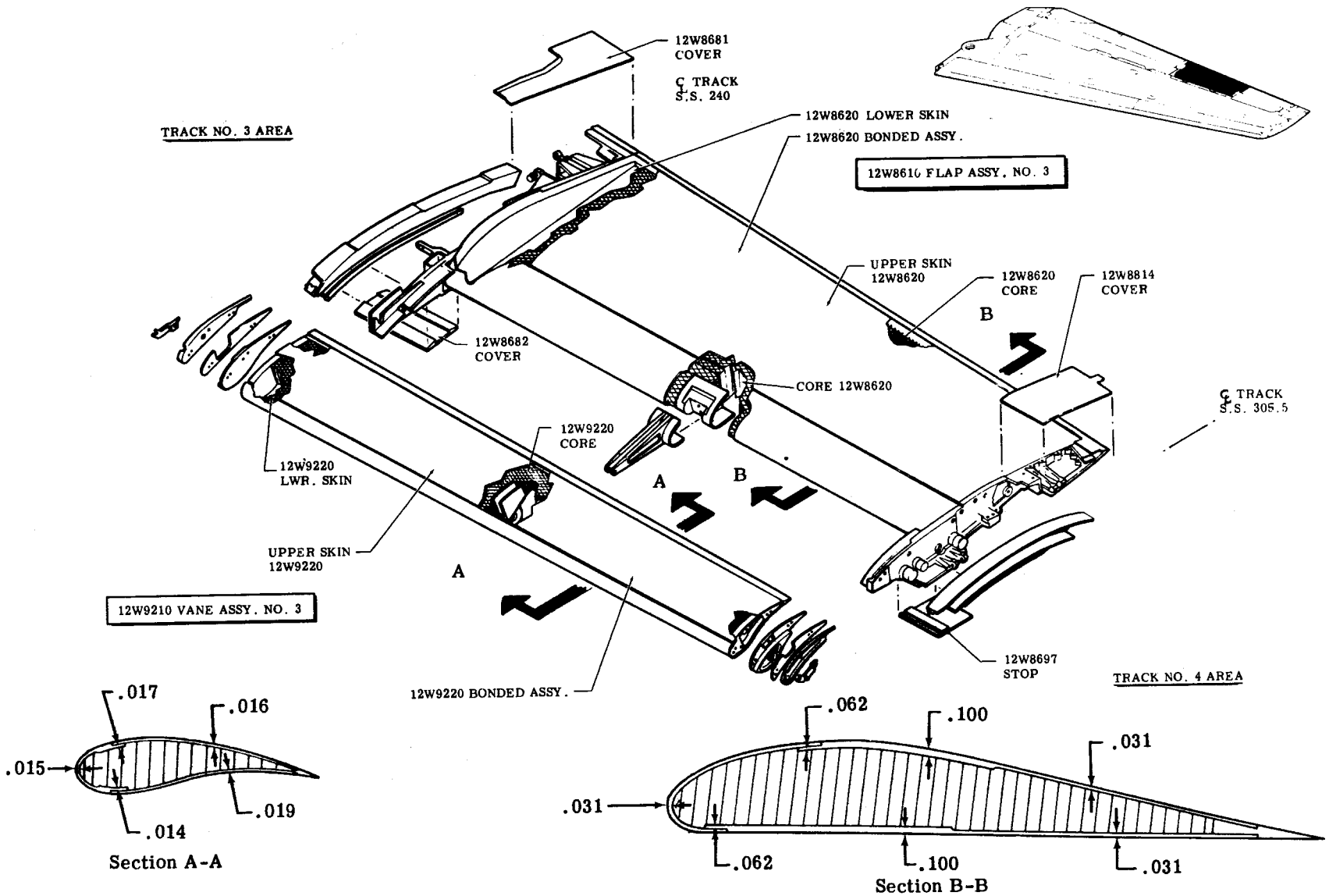


Figure 3-150 WING TRAILING EDGE FLAP AND VANE ASSEMBLY NO. 3

ST-713-84A

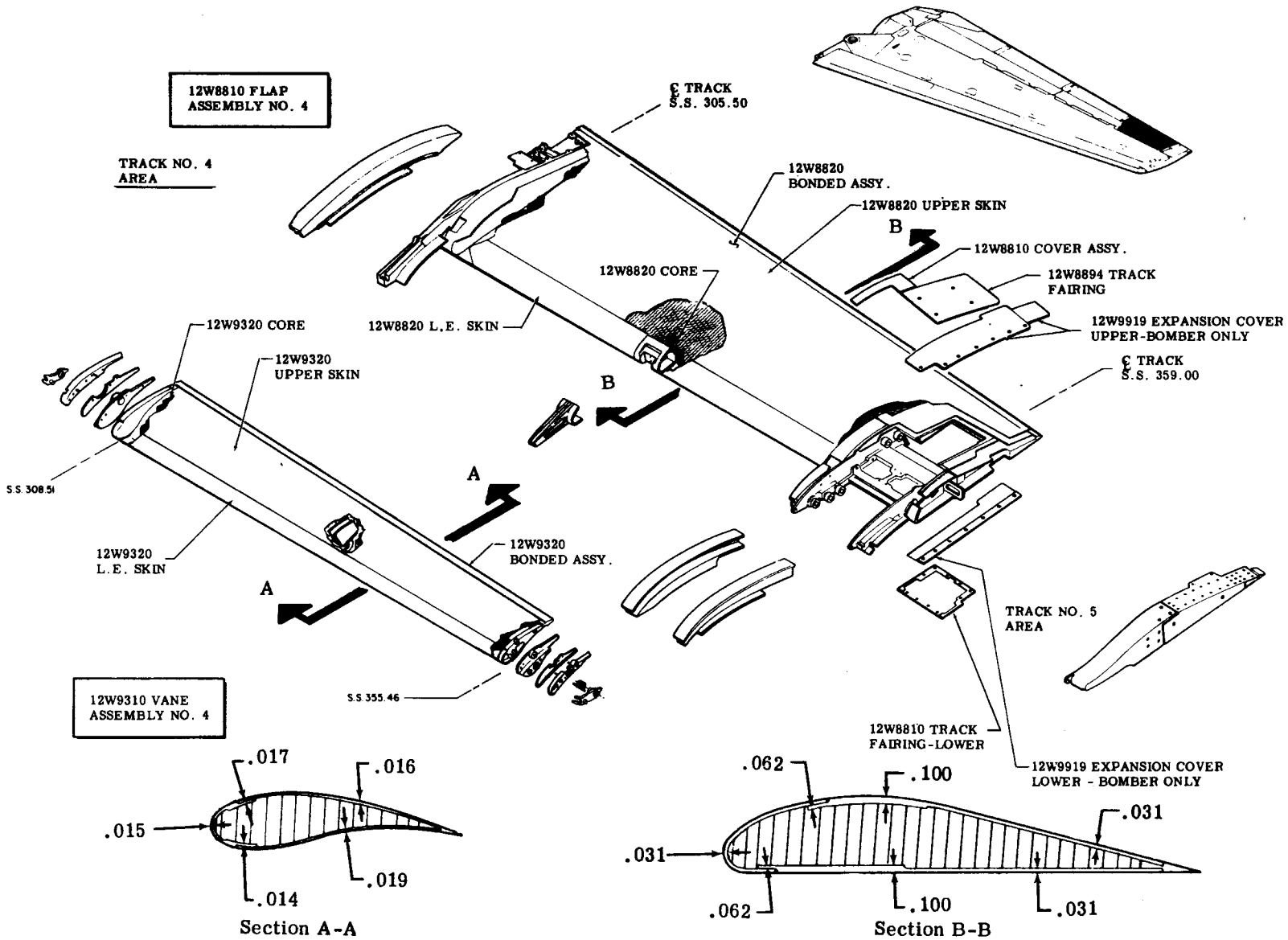


Figure 3-151 WING TRAILING EDGE FLAP AND VANE ASSEMBLY NO. 4

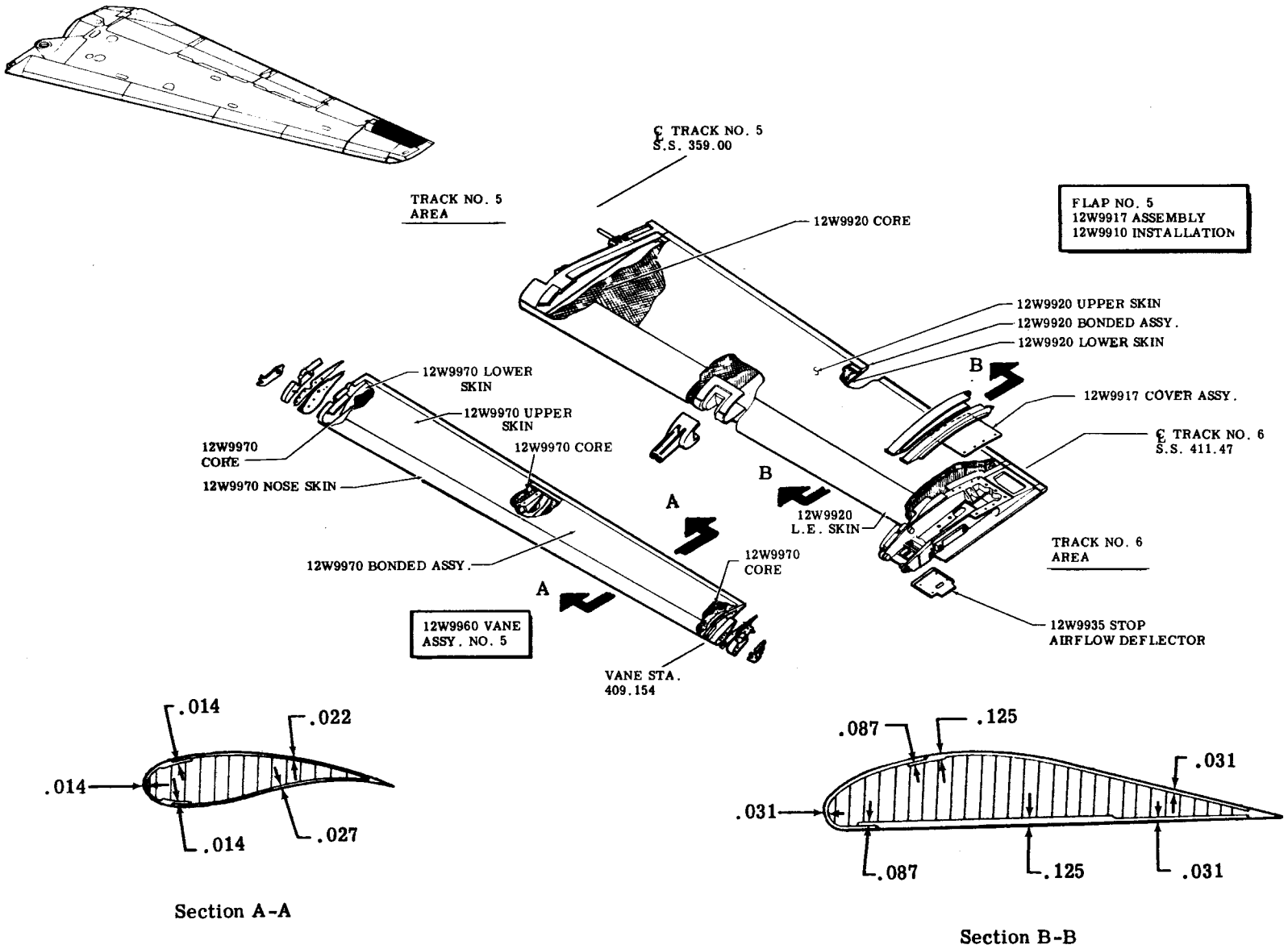
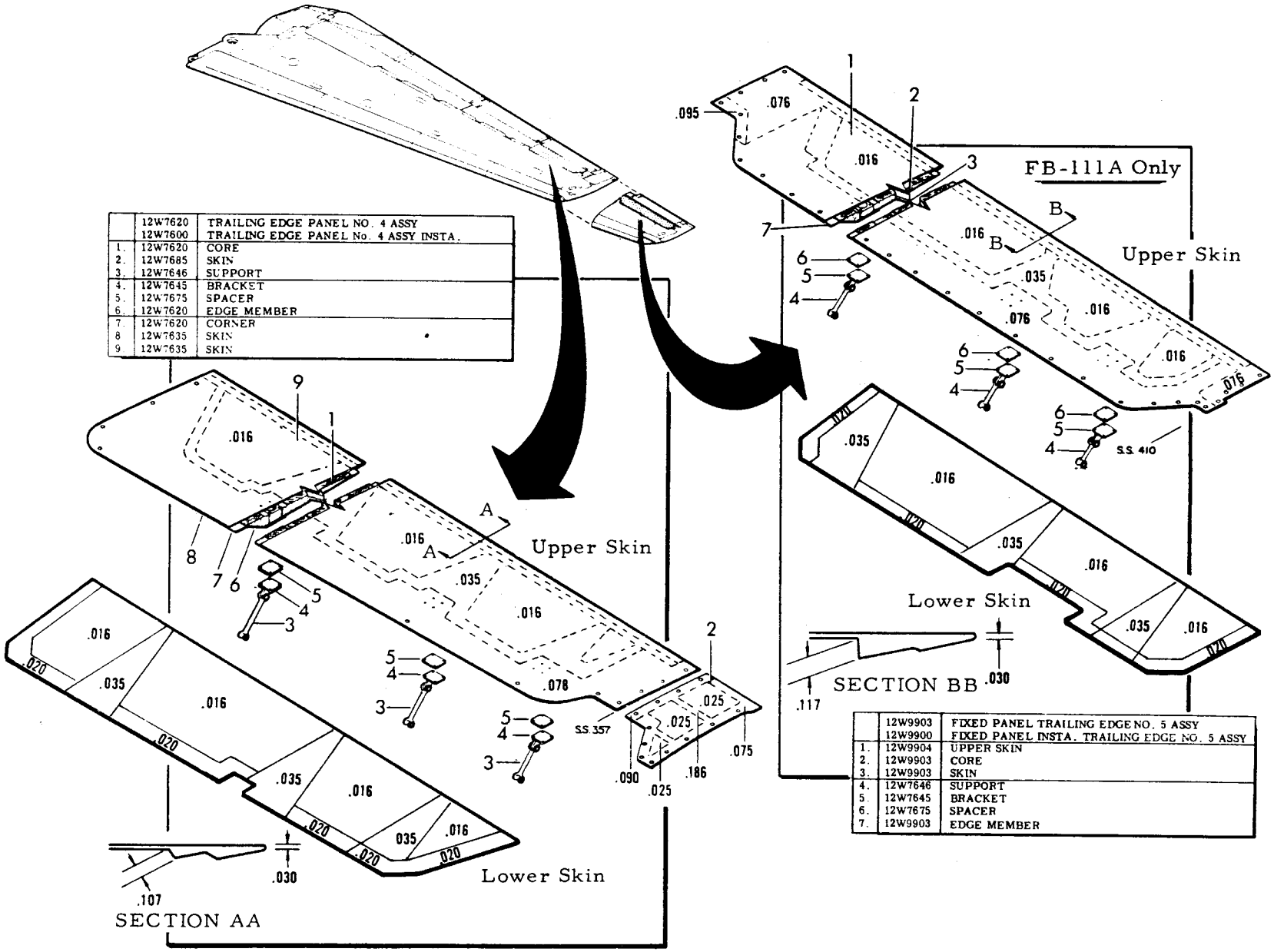


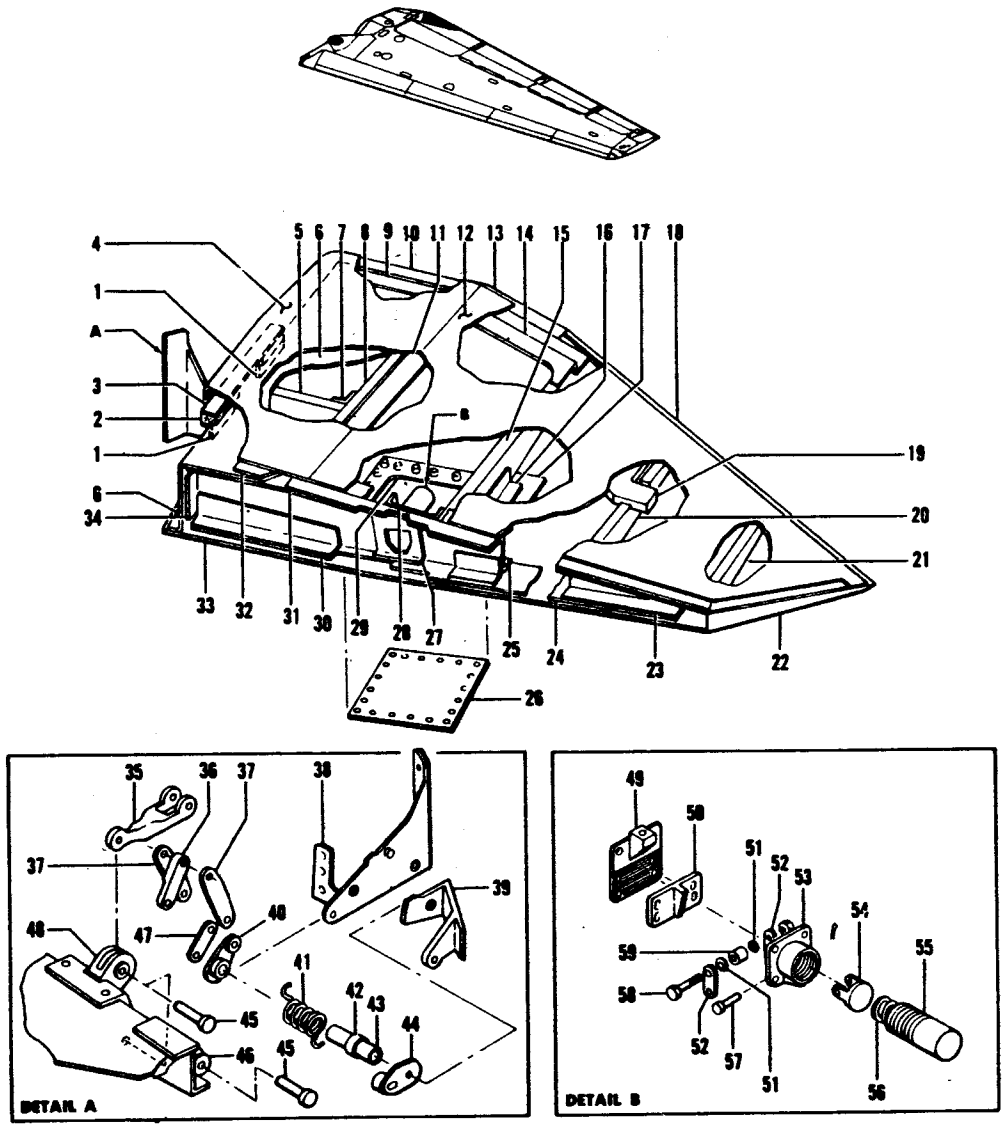
Figure 3-152 FB-111 WING TRAILING EDGE FLAP AND VANE ASSEMBLY NO. 5



	12W7620	TRAILING EDGE PANEL NO. 4 ASSY
	12W7600	TRAILING EDGE PANEL No. 4 ASSY INSTA.
1.	12W7620	CORE
2.	12W7685	SKIN
3.	12W7646	SUPPORT
4.	12W7645	BRACKET
5.	12W7675	SPACER
6.	12W7620	EDGE MEMBER
7.	12W7620	CORNER
8	12W7635	SKIN
9	12W7635	SKIN

	12W9903	FIXED PANEL TRAILING EDGE NO. 5 ASSY
	12W9900	FIXED PANEL INSTA. TRAILING EDGE NO. 5 ASSY
1.	12W9904	UPPER SKIN
2.	12W9903	CORE
3.	12W9903	SKIN
4.	12W7646	SUPPORT
5.	12W7645	BRACKET
6.	12W7675	SPACER
7.	12W9903	EDGE MEMBER

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.	PLAN VIEW SIZE (INCHES) WIDTH-INBD END	WIDTH-OUTBD END	LENGTH
E. NO. 1 NOSE	12W7010	5.70	5.50	88.74 (TAC) 84.74 (SAC)
E. NO. 2 NOSE	12W7110	5.50	4.60	87.30
E. NO. 3 NOSE	12W2210	4.60	4.06	63.99
E. NO. 4 NOSE	12W2310	4.06	3.56	58.40
E. NO. 5 NOSE	12W5410	3.56	3.20	38.41
T SLAT NO. 1	12W6510	11.44	9.64	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 (9.12 AT 18.53 FROM INBD END)	8.20	81.77 (TAC) 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 (7.68 AT 6.10 FROM INBD END)	0.00	18.10 (TAC) 22.10 (SAC)
NG PANEL	12W027	20.96	61.84	288.24
NG TIP (TAC)	12W352	20.24 19.80	18.30 19.20	13.43 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.	PLAN VIEW SIZE (INCHES) WIDTH-INBD END	WIDTH-OUTBD END	LENGTH
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

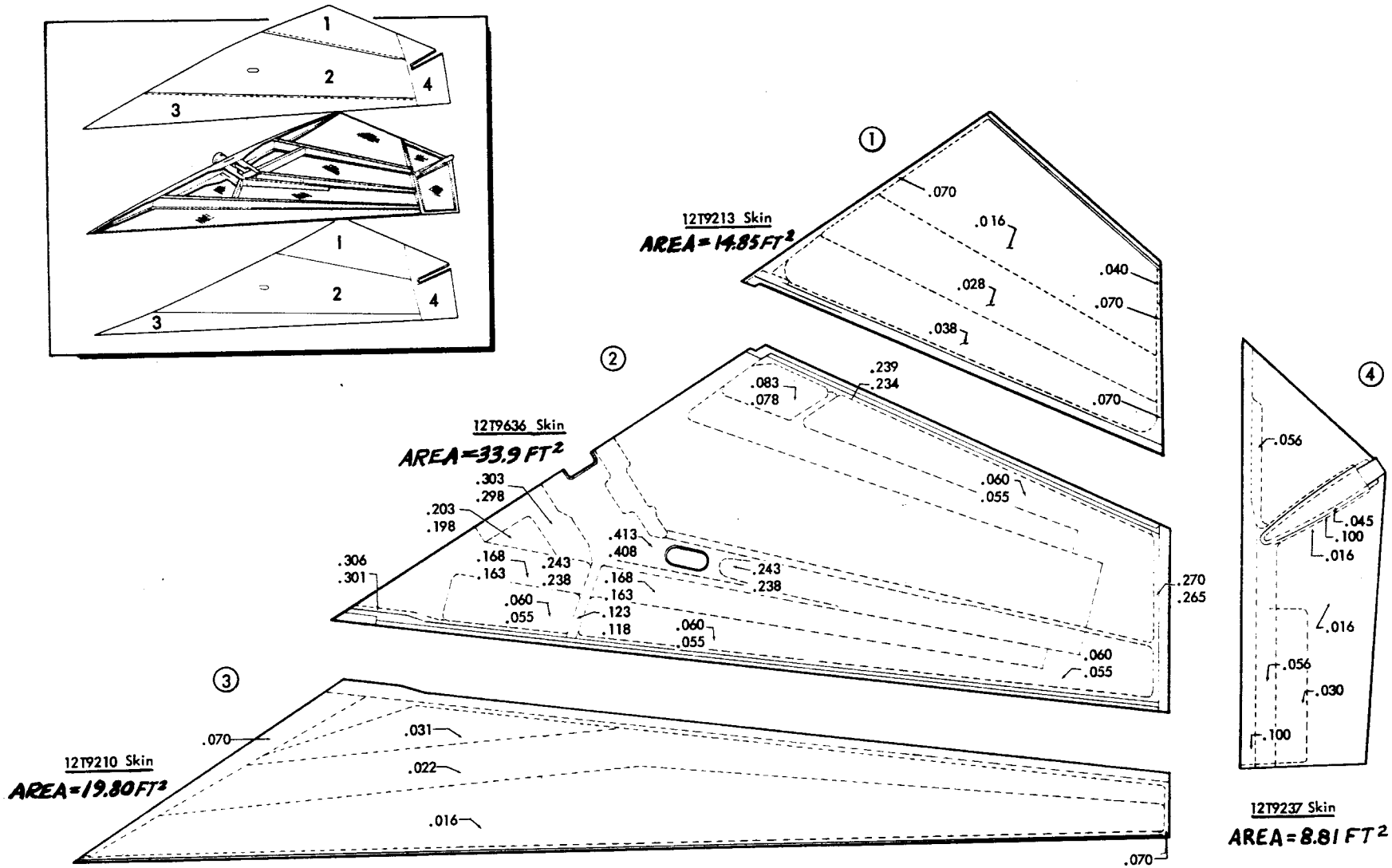


Figure 3-155 HORIZONTAL STABILIZER SKINS

ST-660-61

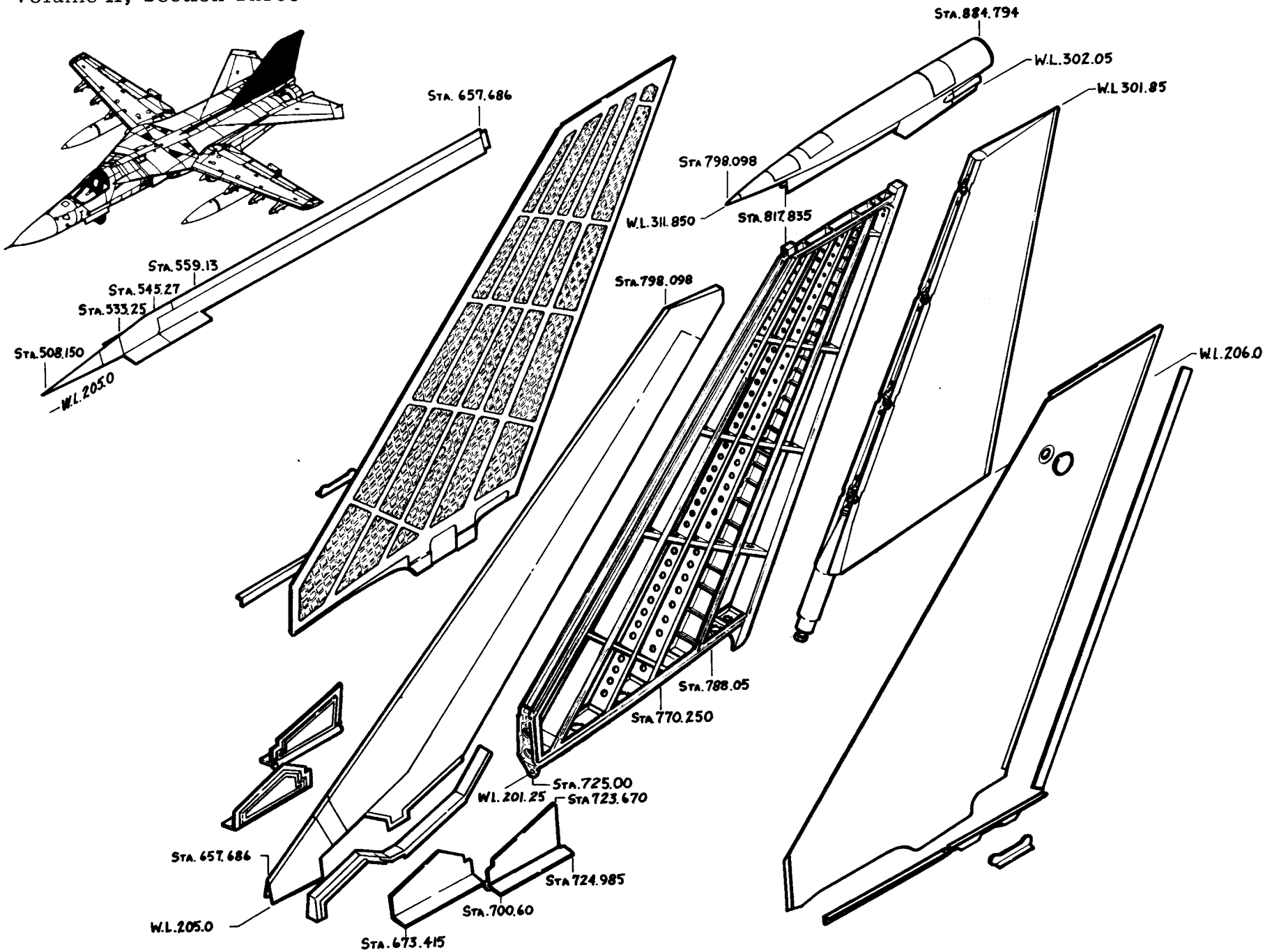


Figure 3-156 VERTICAL STABILIZER AND RUDDER

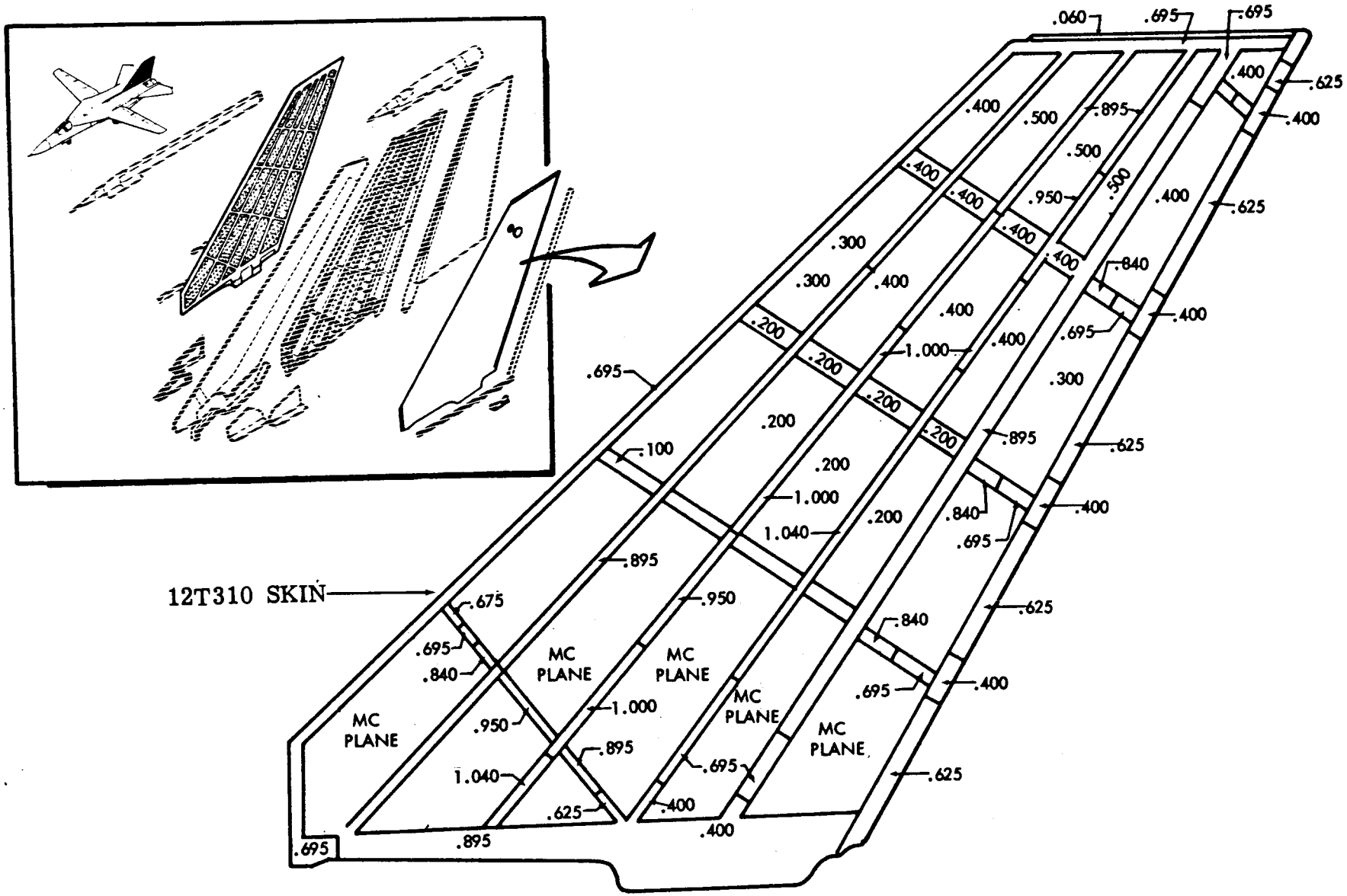
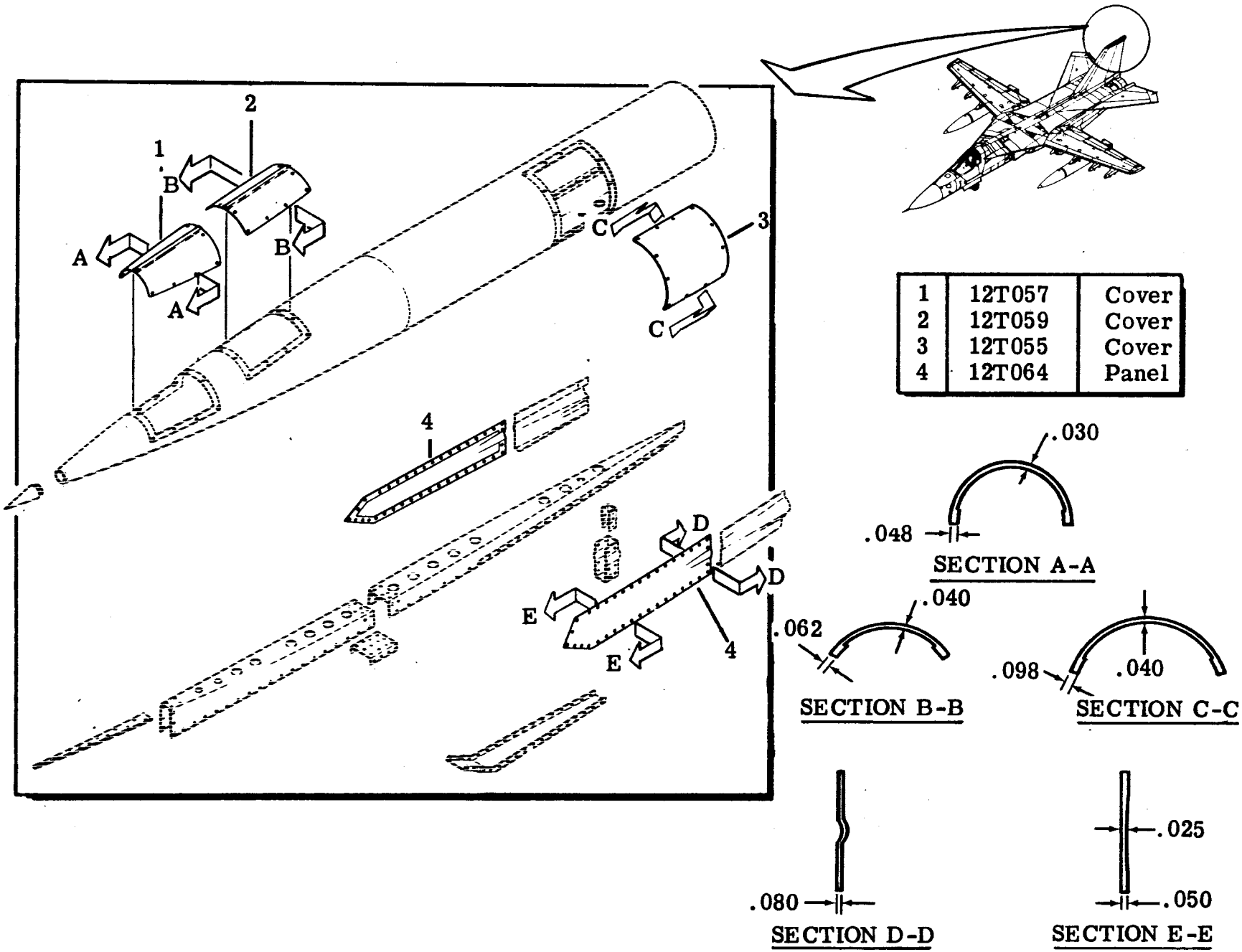


Figure 3-157 VERTICAL STABILIZER BOX



1	12T057	Cover
2	12T059	Cover
3	12T055	Cover
4	12T064	Panel

Figure 3-158 VERTICAL STABILIZER TIP-SKIN DIMENSIONS

ST-887-2

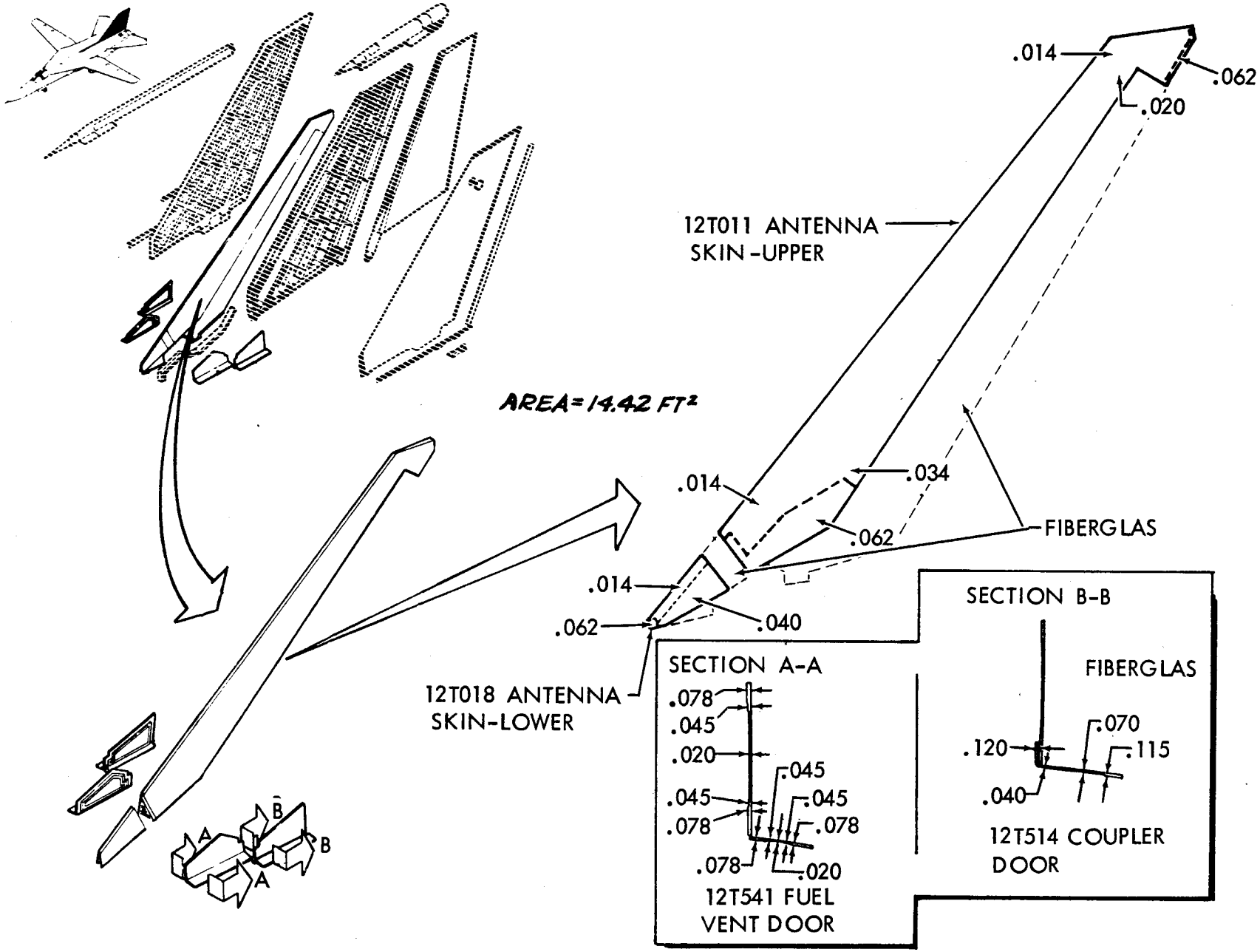


Figure 3-159 VERTICAL STABILIZER LEADING EDGE

ST-741-22

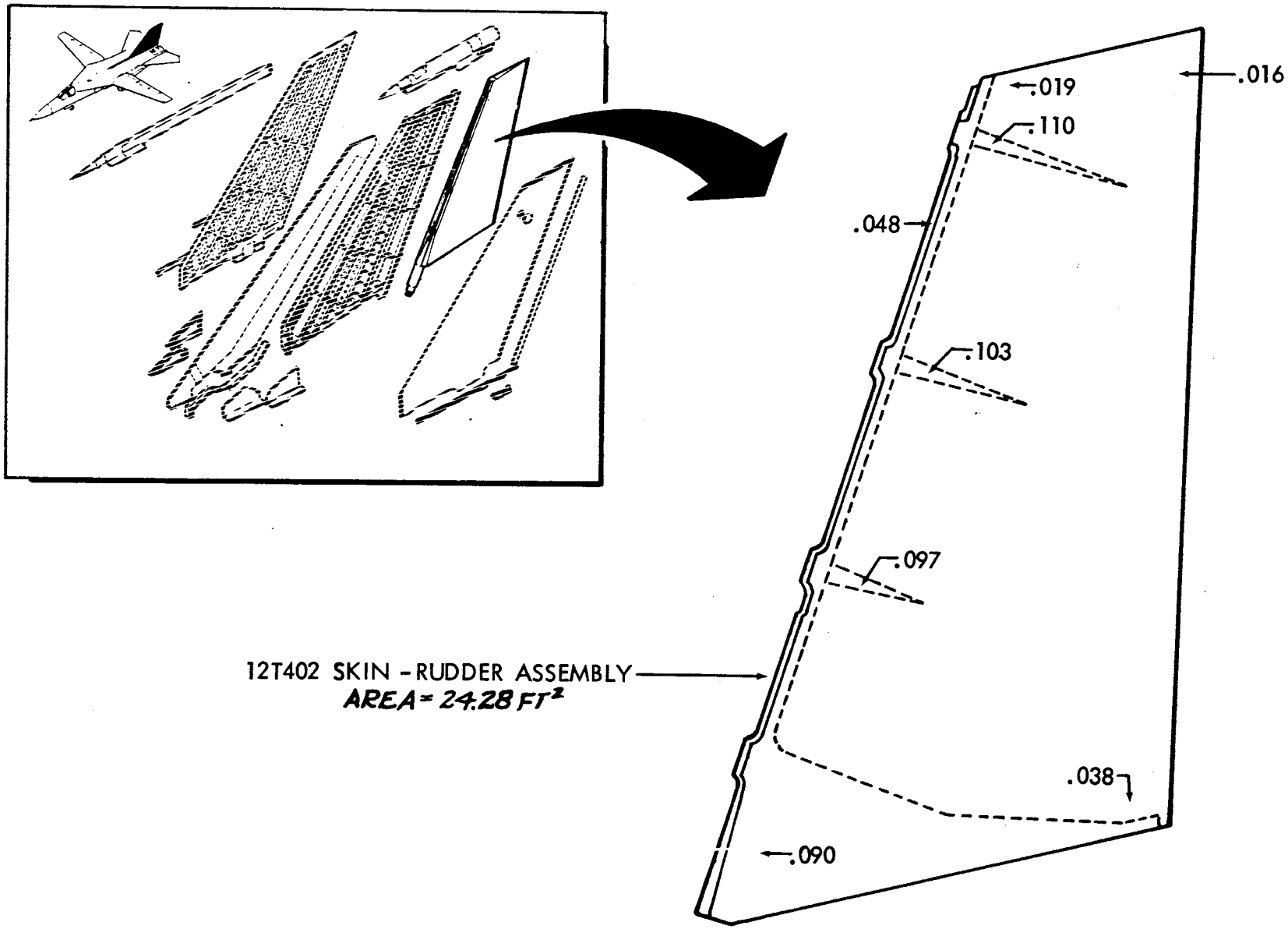


Figure 3-160 VERTICAL STABILIZER RUDDER

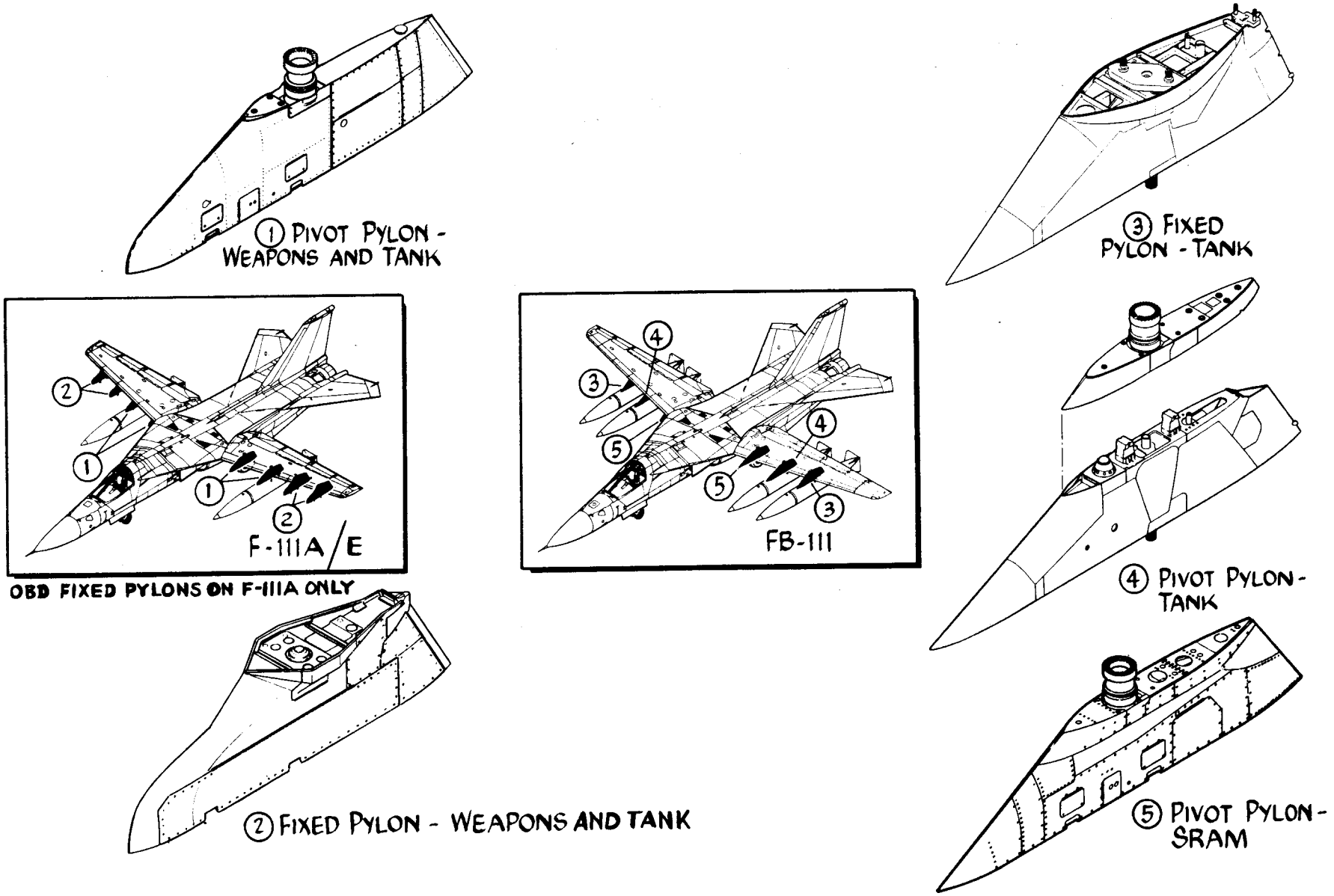
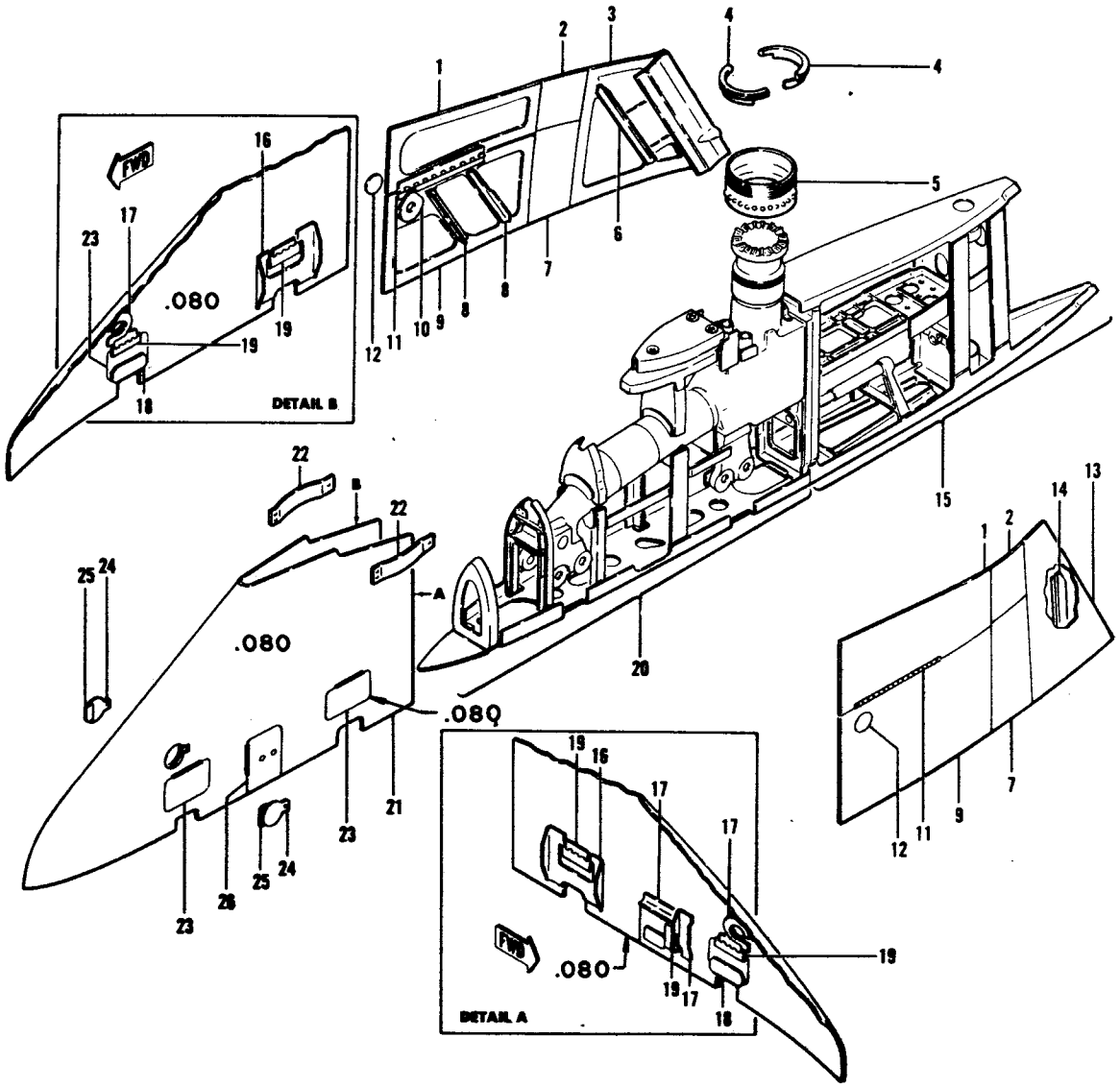


Figure 3-161 PYLON CONFIGURATIONS

ST-684-29



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

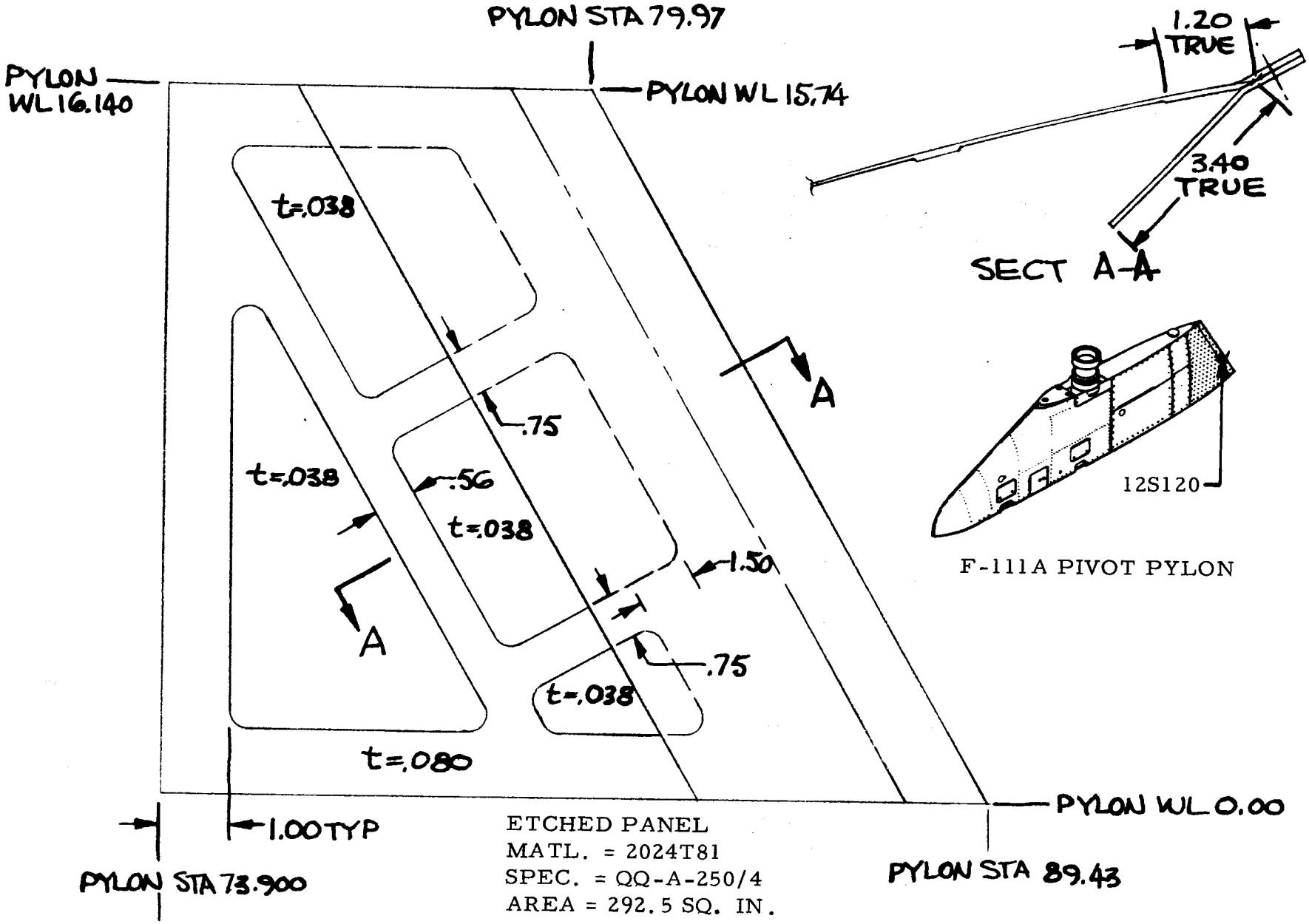
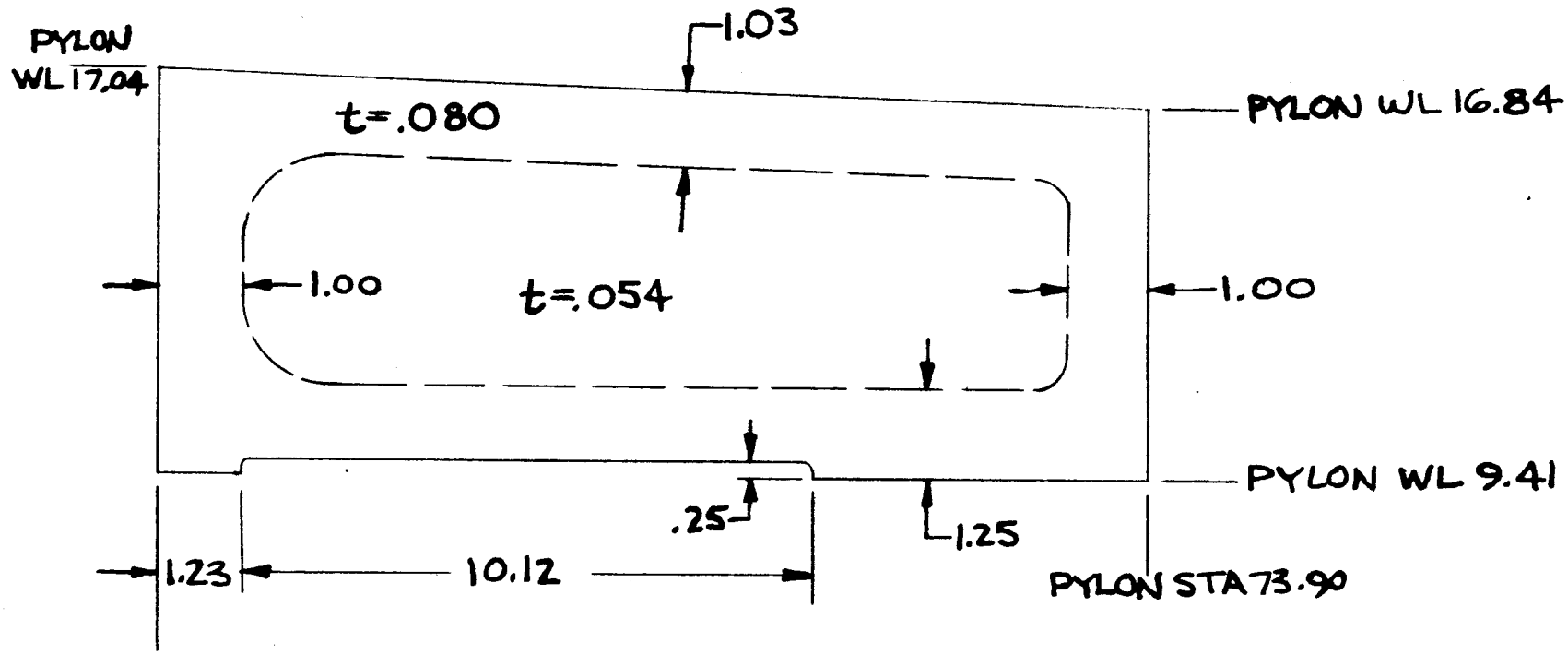
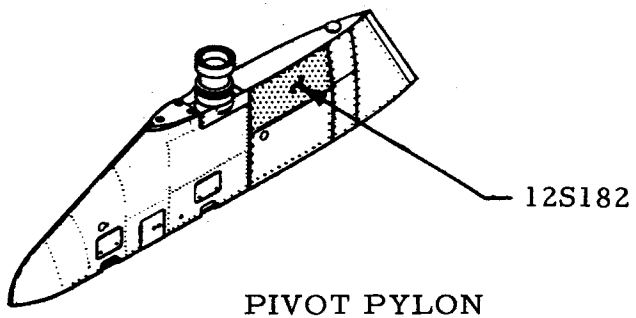


Figure 3-163 F-111A 12S120 R.H. AFT PIVOT PYLON SKIN
F-111E



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



PIVOT PYLON

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

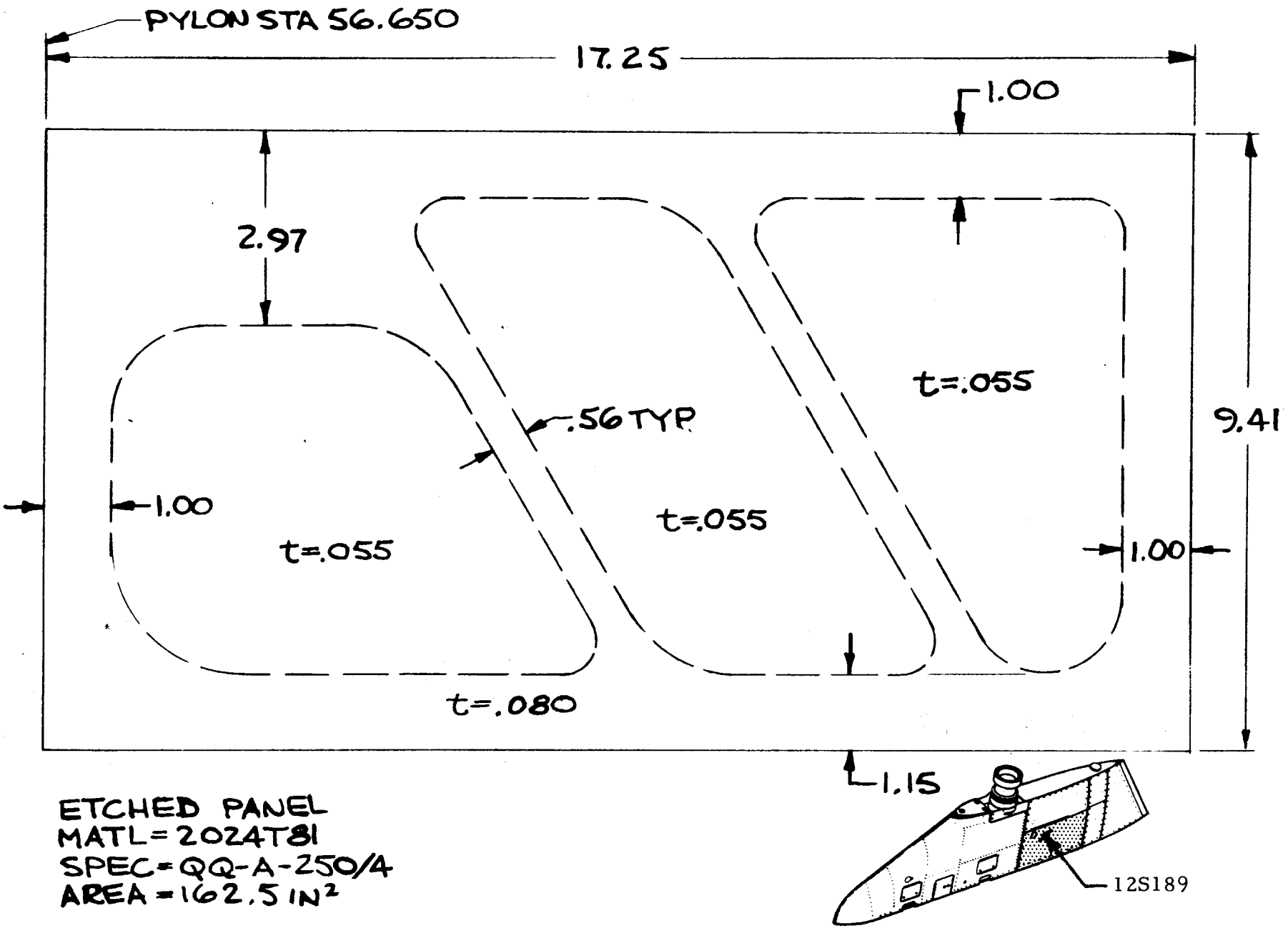


Figure 3-165 F-111A 12S189 AFT PIVOT PYLON ACCESS DOOR
F-111E

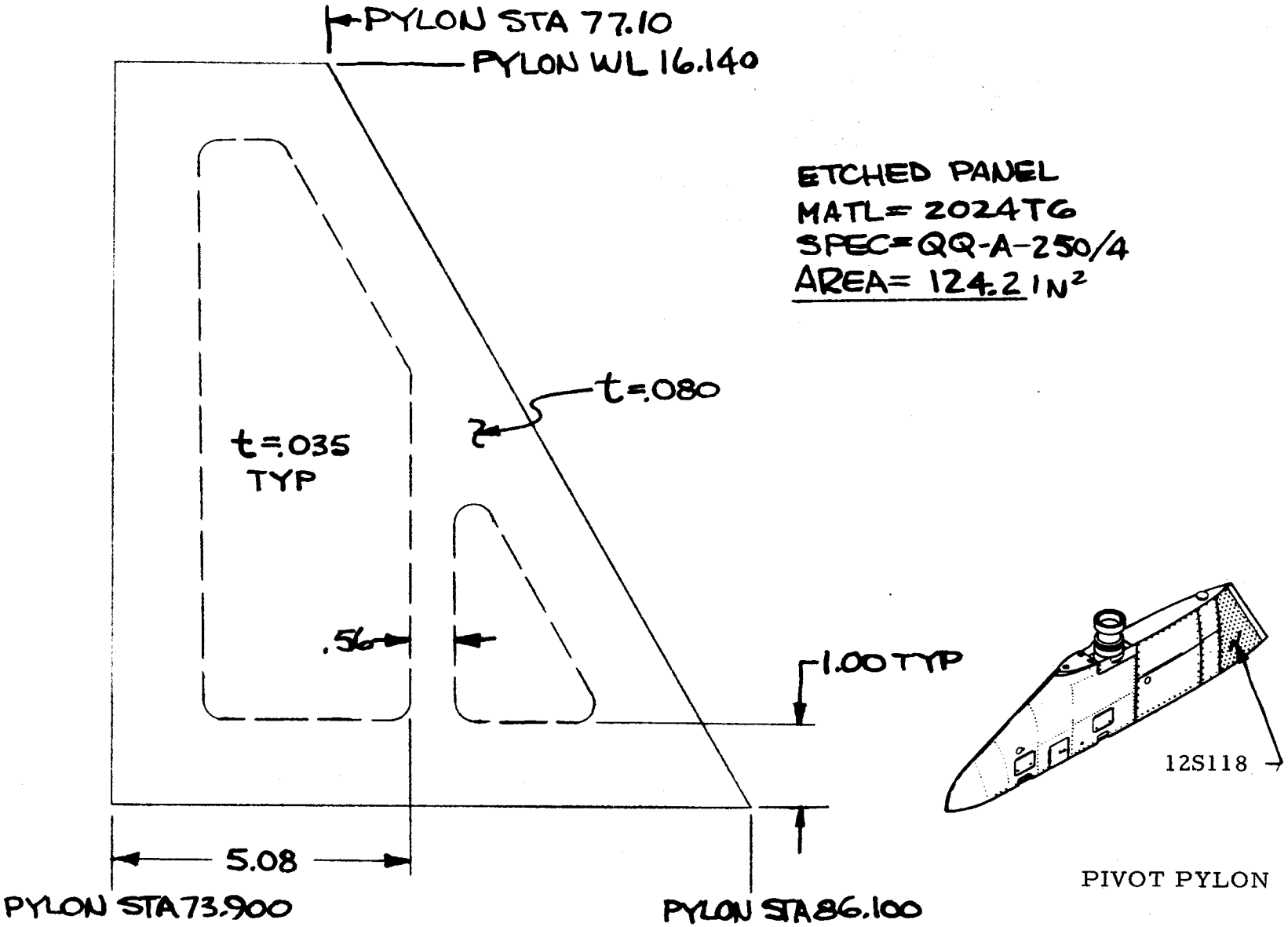
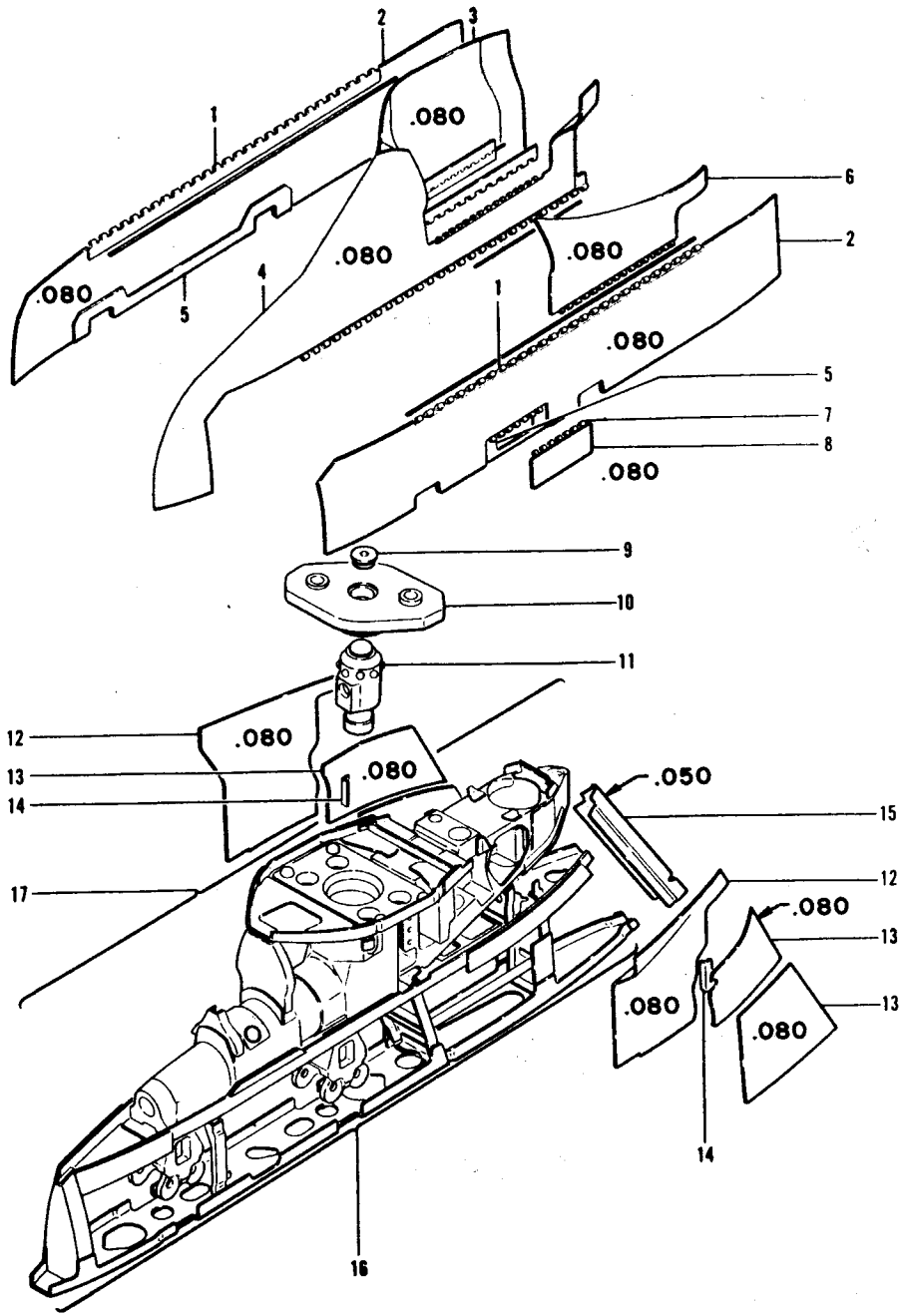
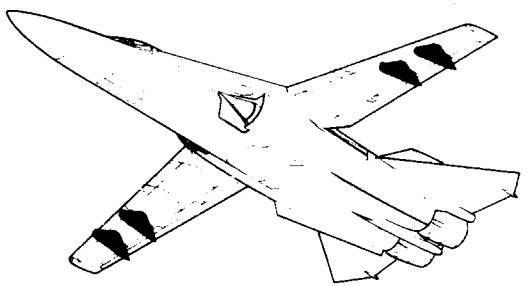


Figure 3-166 F-111A 12S118 PIVOT PYLON L.H. TRAILING EDGE ACCESS COVER
F-111E





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.	12S240	Ejector Assembly
12.	12S220	**COVER**
13.	12S220	Cover
14.	12S220	Stiffener
15.	12S216	Fairing
16.	12S202	Angles and Splices
17.	12S202	Beams and Fittings

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

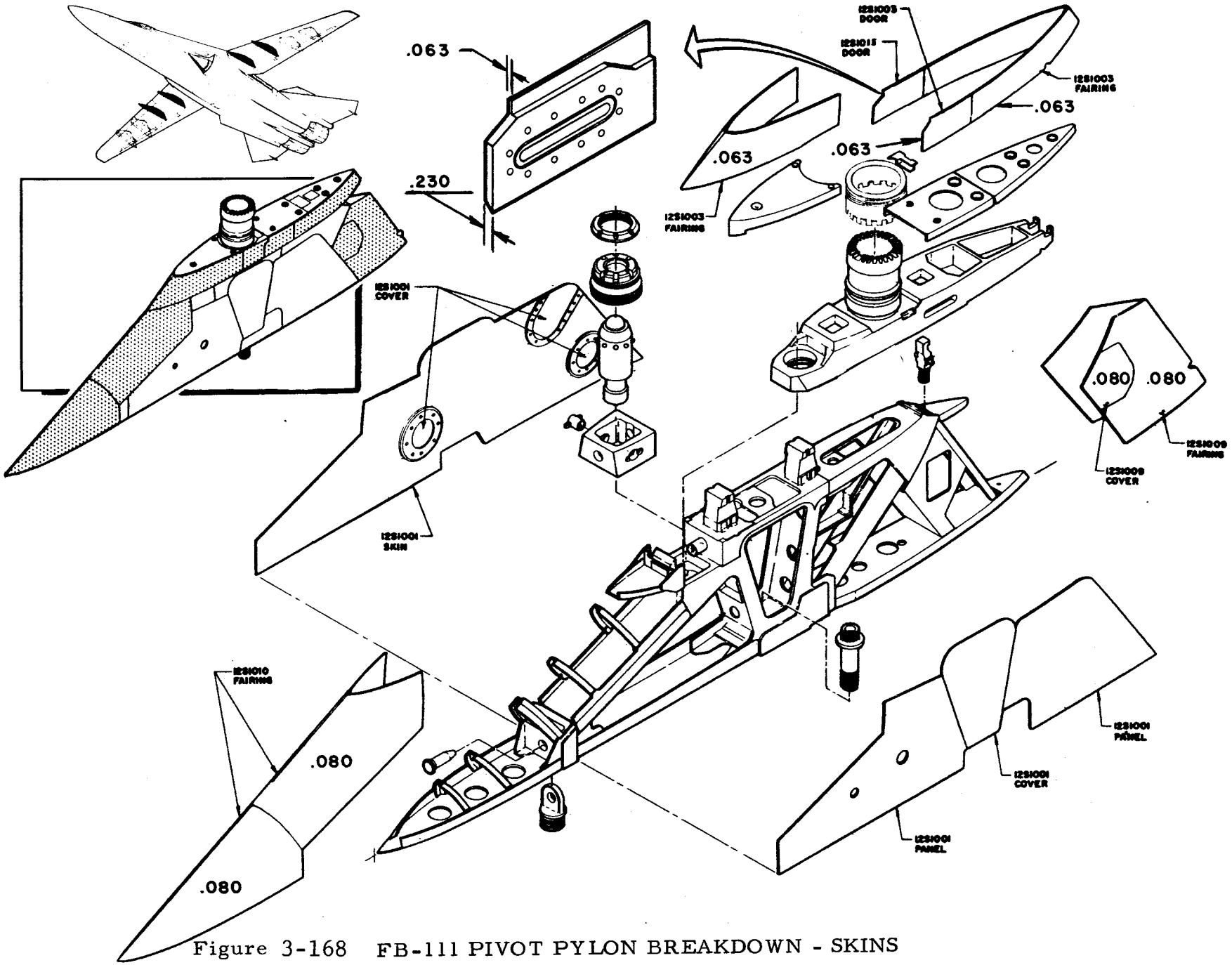


Figure 3-168 FB-111 PIVOT PYLON BREAKDOWN - SKINS

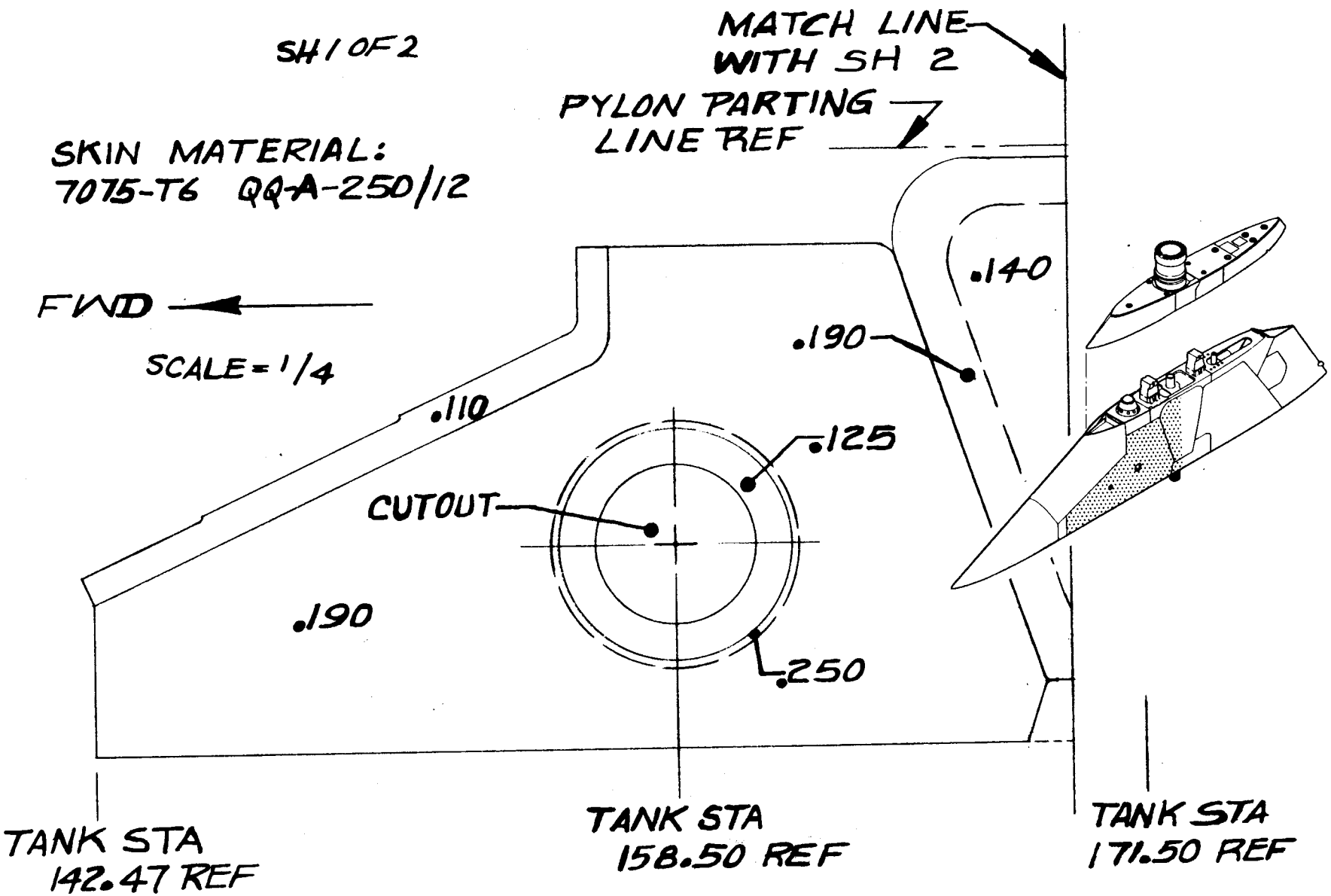


Figure 3-169 FB-111 12S1001 - SKINS, INBOARD PIVOT PYLON LEFT HAND SIDE

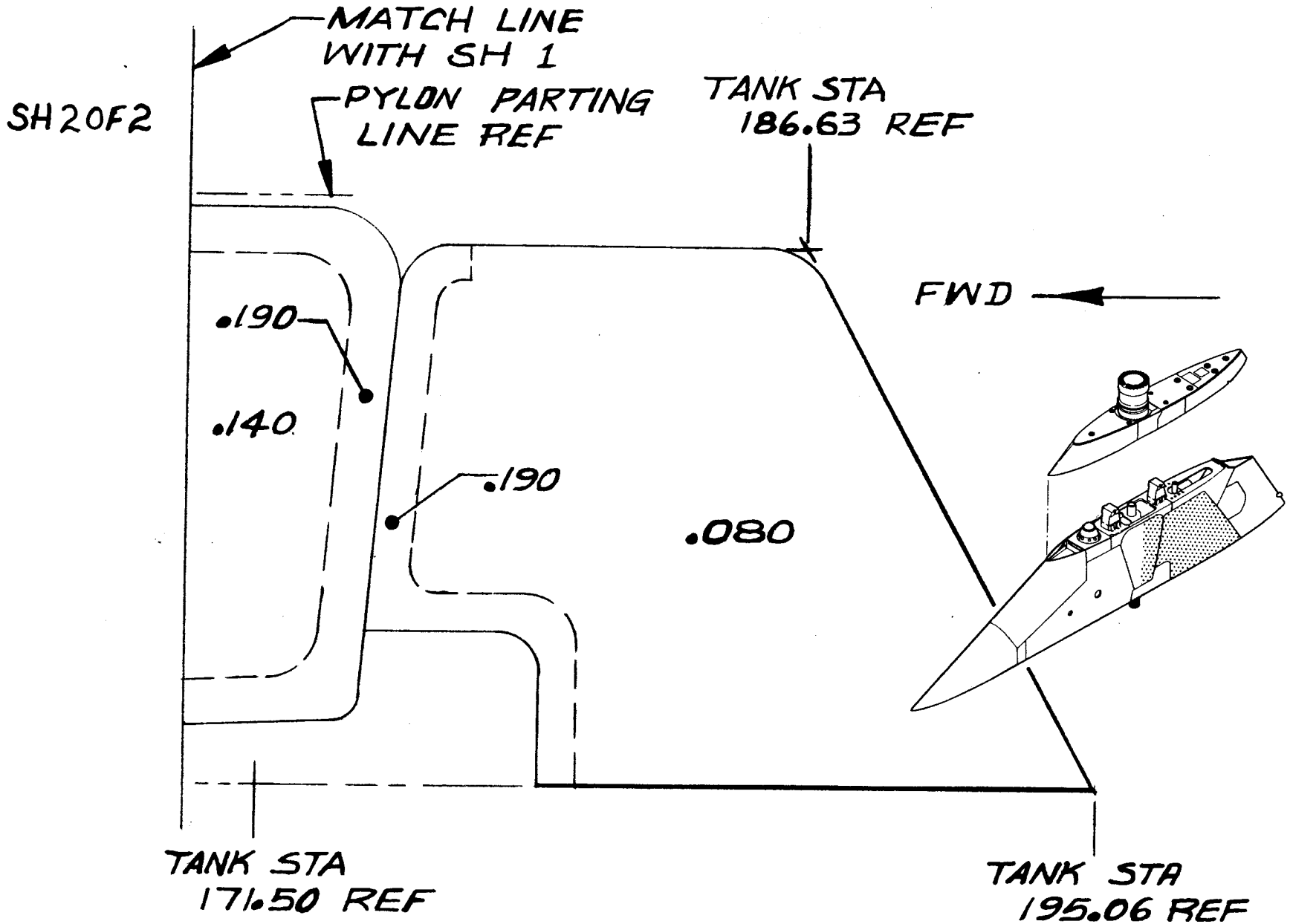


Figure 3-170 FB-111 12S1001 - SKINS, INBOARD PIVOT PYLON LEFT HAND SIDE

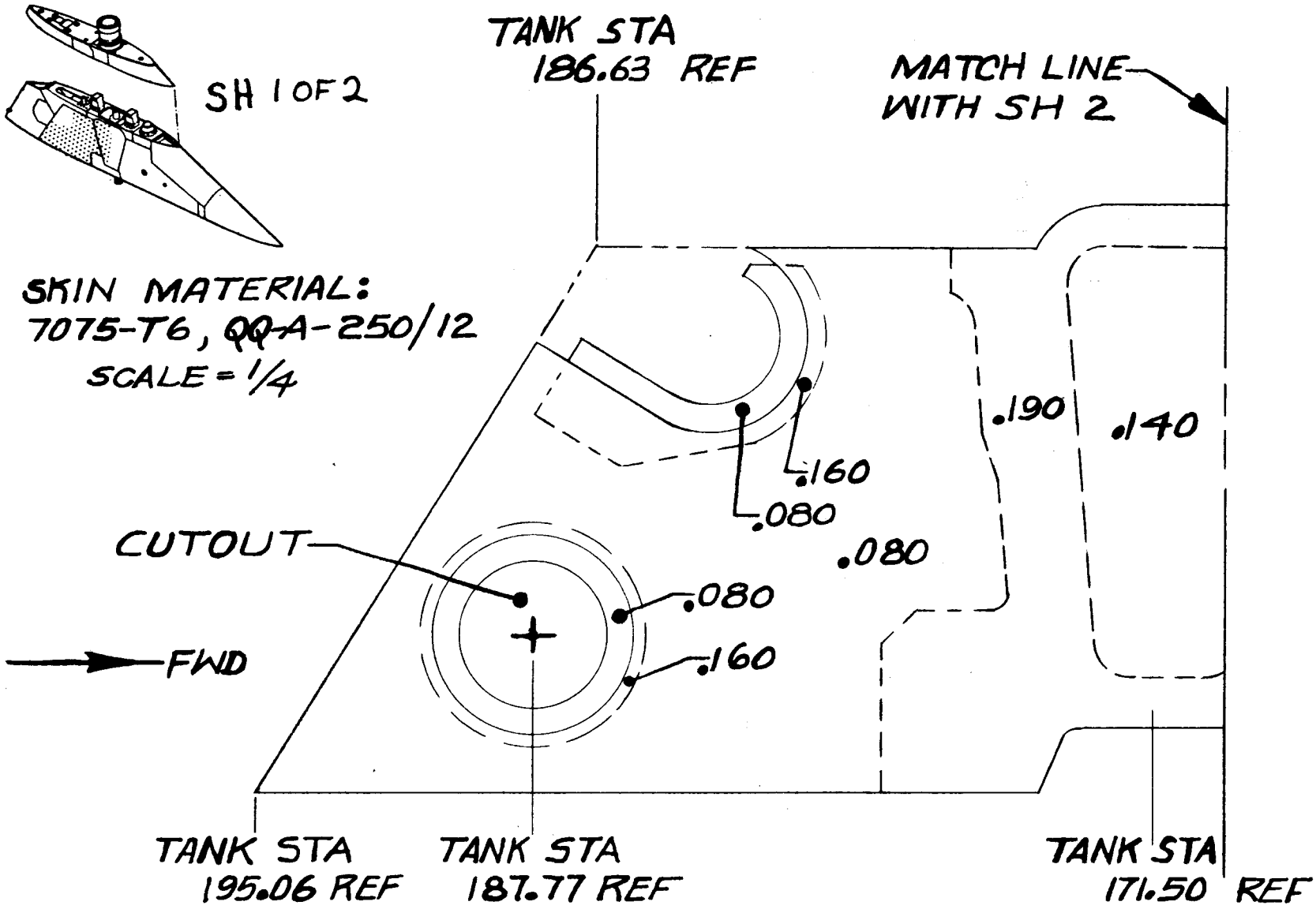


Figure 3-171 FB-111 12S1001 - SKIN - OUTBOARD PIVOT PYLON RIGHT HAND SIDE ONLY

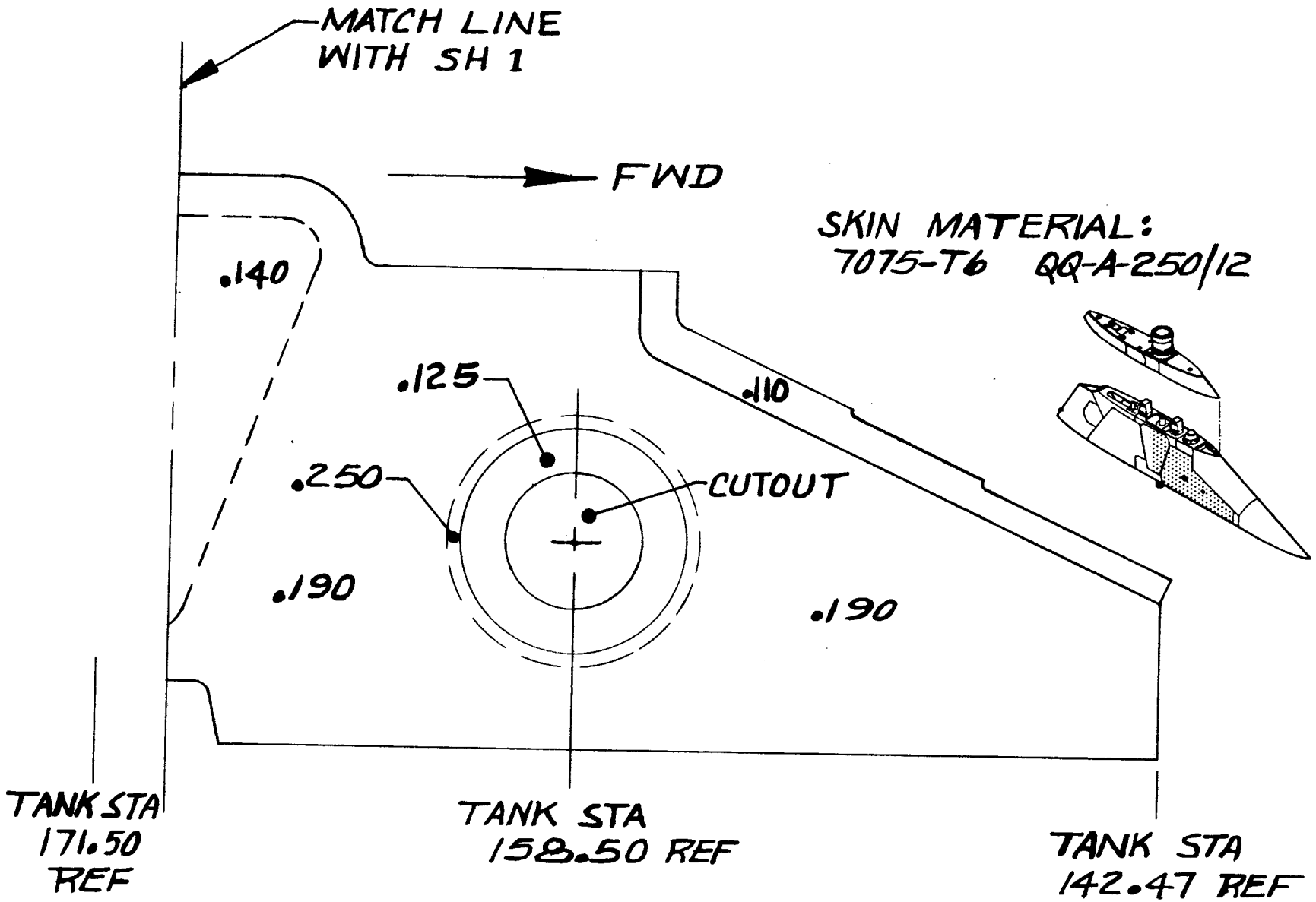


Figure 3-172 FB-111 12S1001 - SKIN - OUTBOARD PIVOT PYLON, RIGHT HAND SIDE ONLY

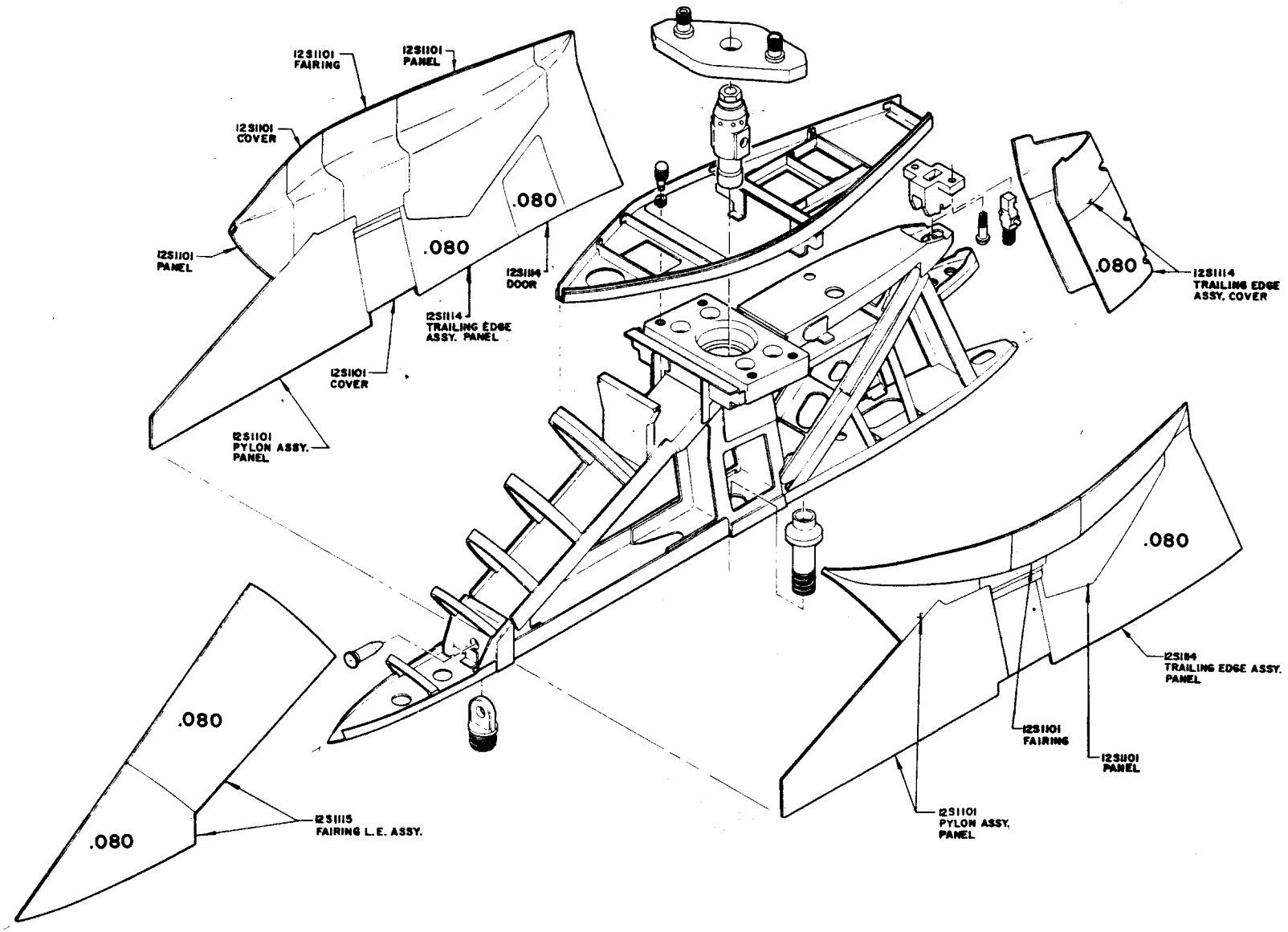


Figure 3-173 FB-111 FIXED PYLON BREAKDOWN - SKINS

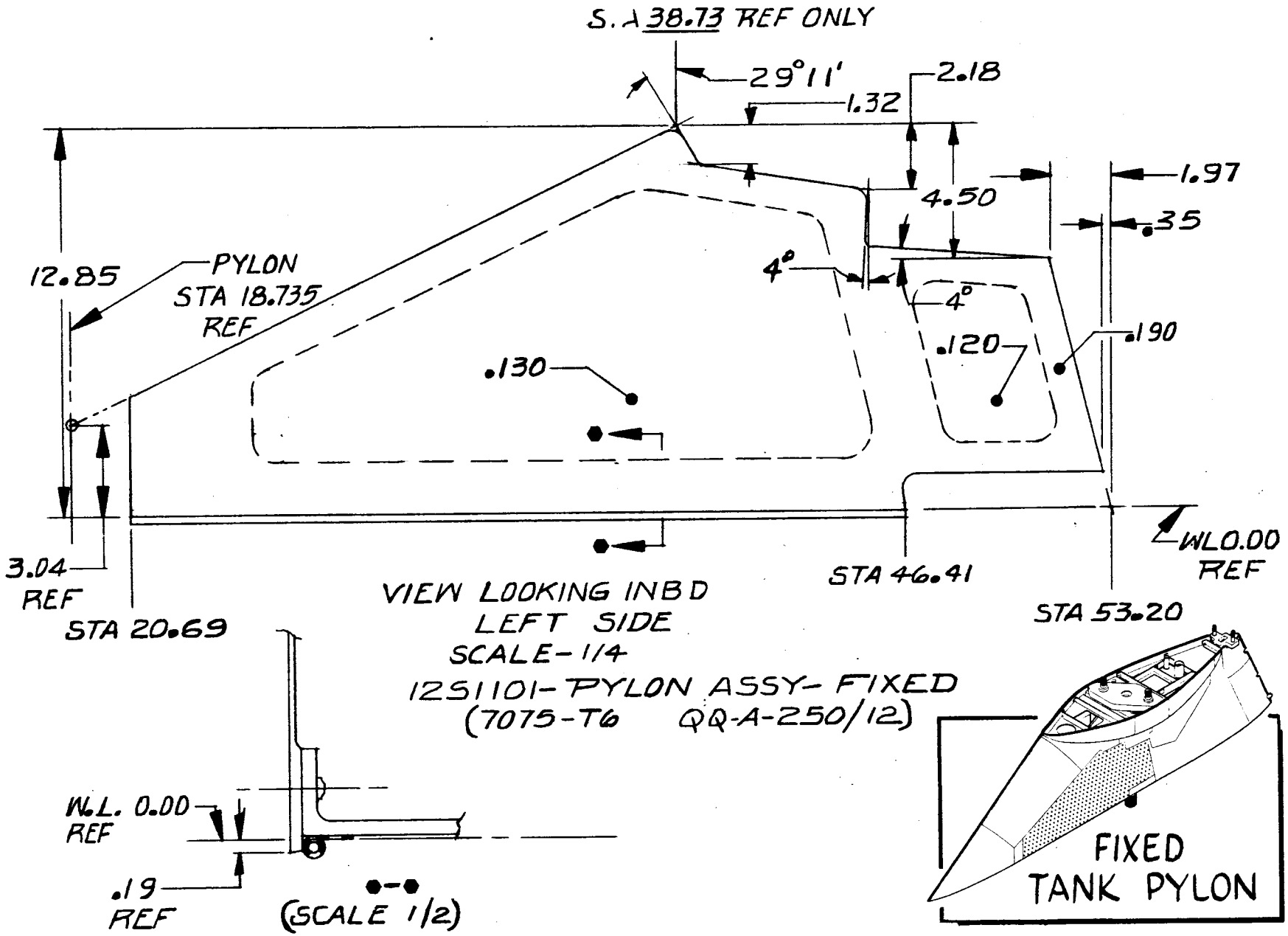
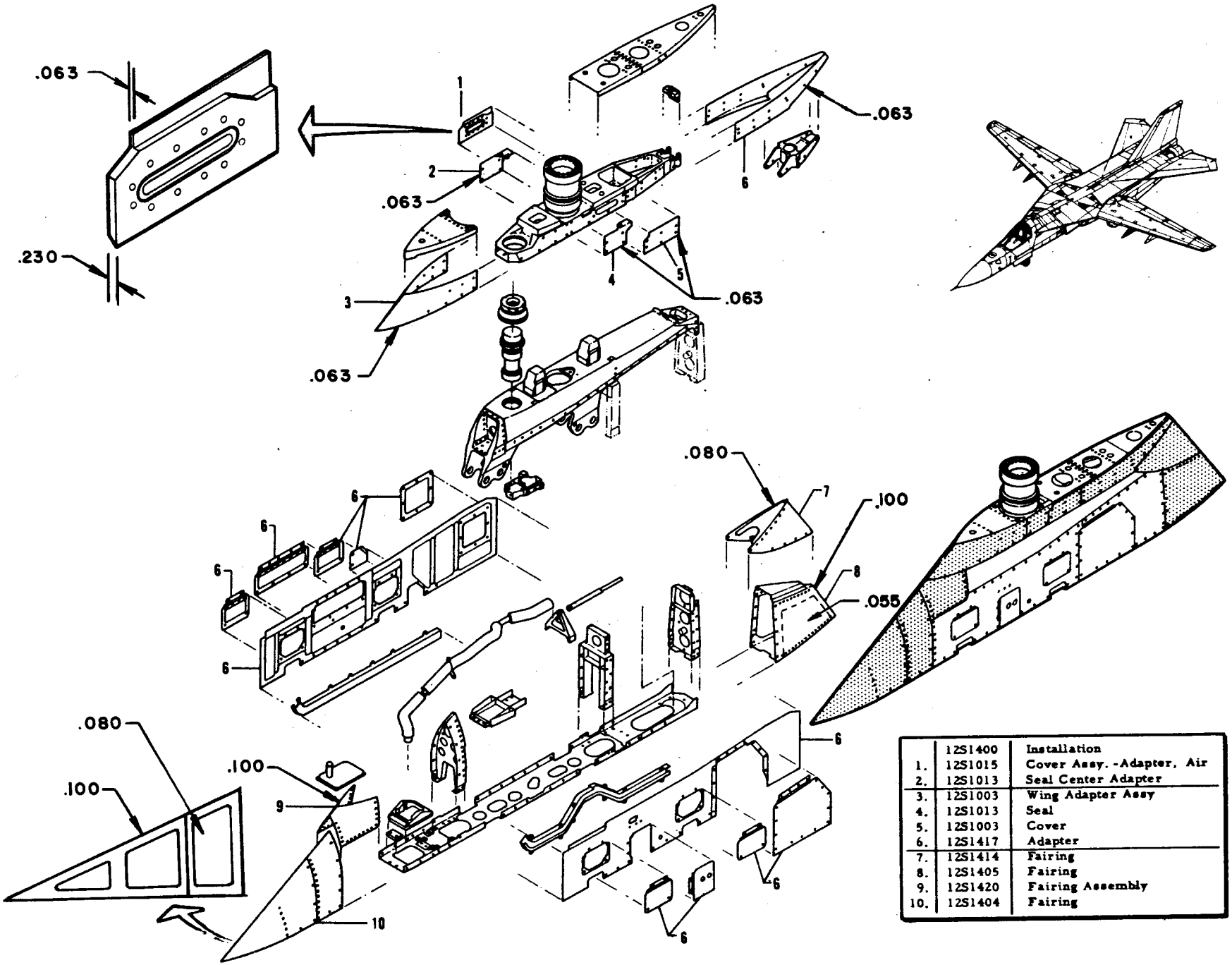
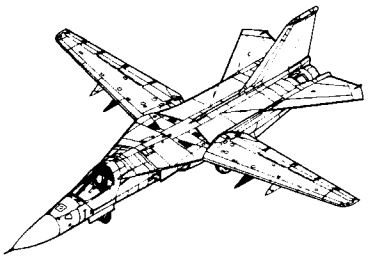


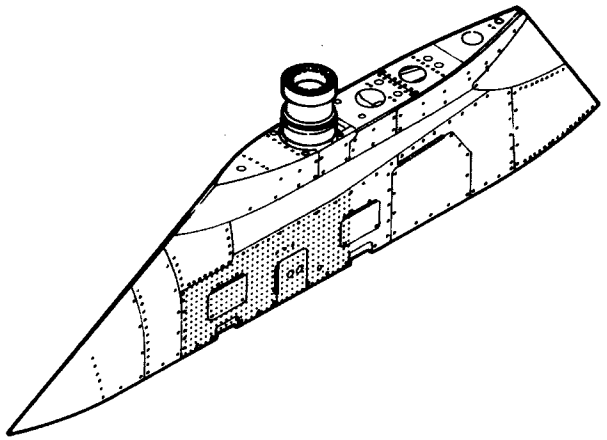
Figure 3-174 FB-111 12S1101 - PYLON ASSEMBLY-FIXED



	12S1400	Installation
1.	12S1015	Cover Assy. -Adapter, Air
2.	12S1013	Seal Center Adapter
3.	12S1003	Wing Adapter Assy
4.	12S1013	Seal
5.	12S1003	Cover
6.	12S1417	Adapter
7.	12S1414	Fairing
8.	12S1405	Fairing
9.	12S1420	Fairing Assembly
10.	12S1404	Fairing

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





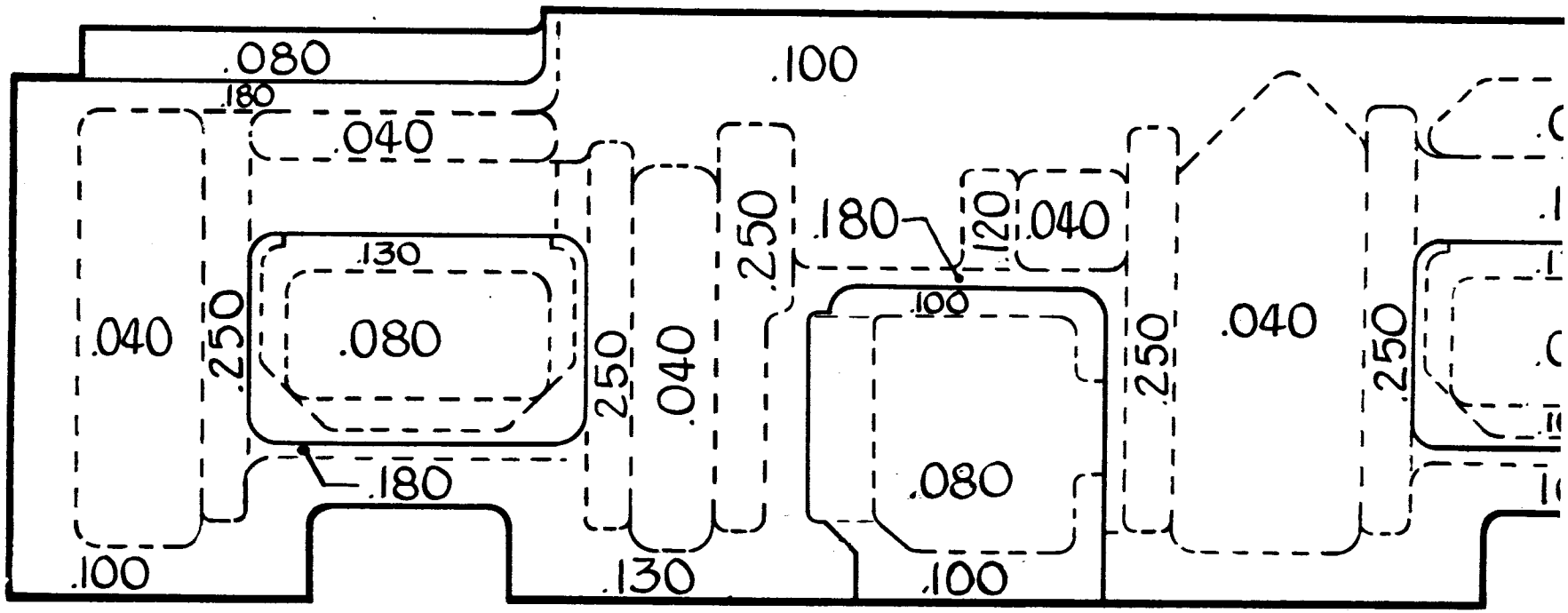


Figure 3-176 FB-111 PIVOT PYLON- SRAM SKINS

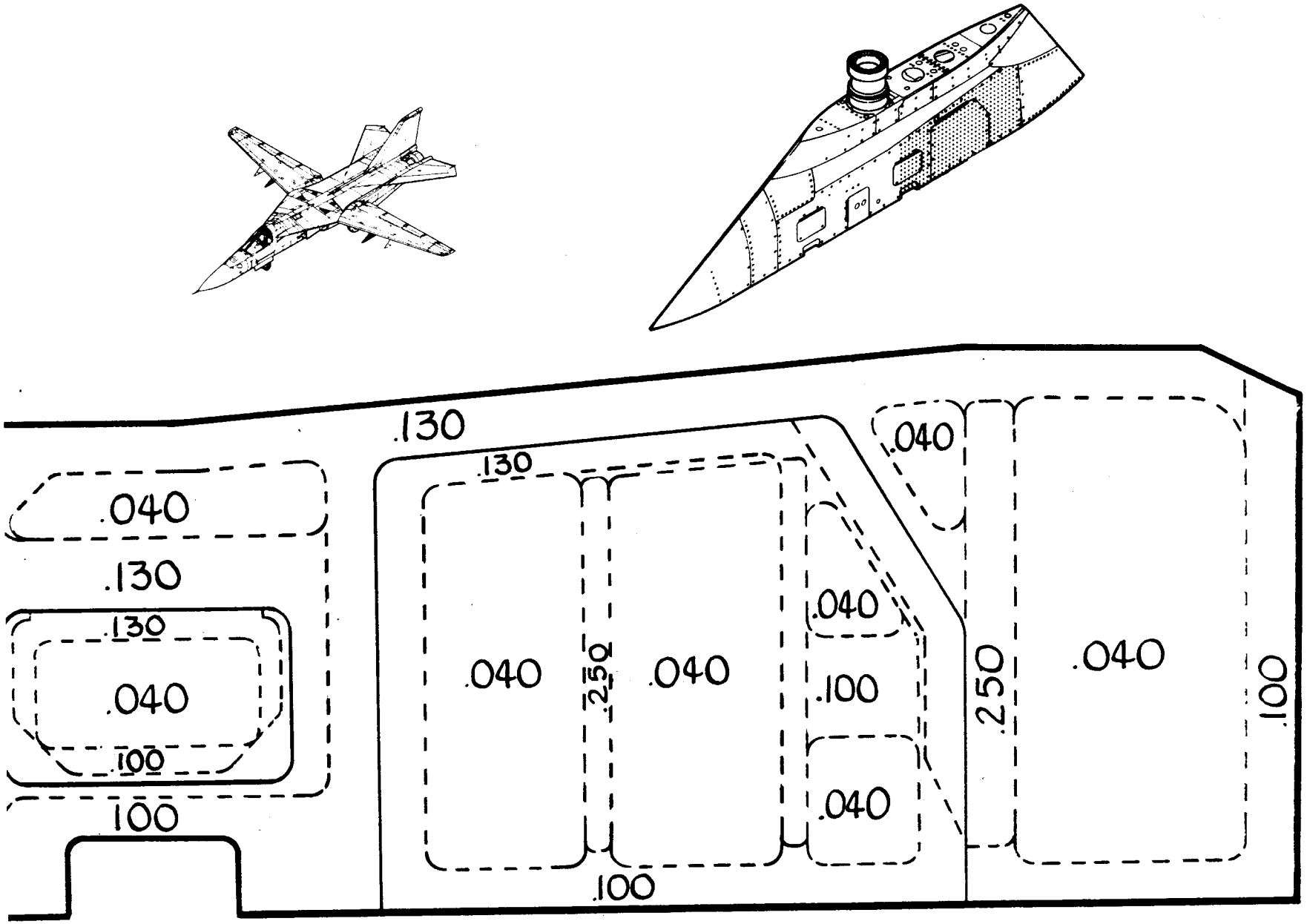


Figure 3-177 FB-111 PIVOT PYLON - SRAM SKINS



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.

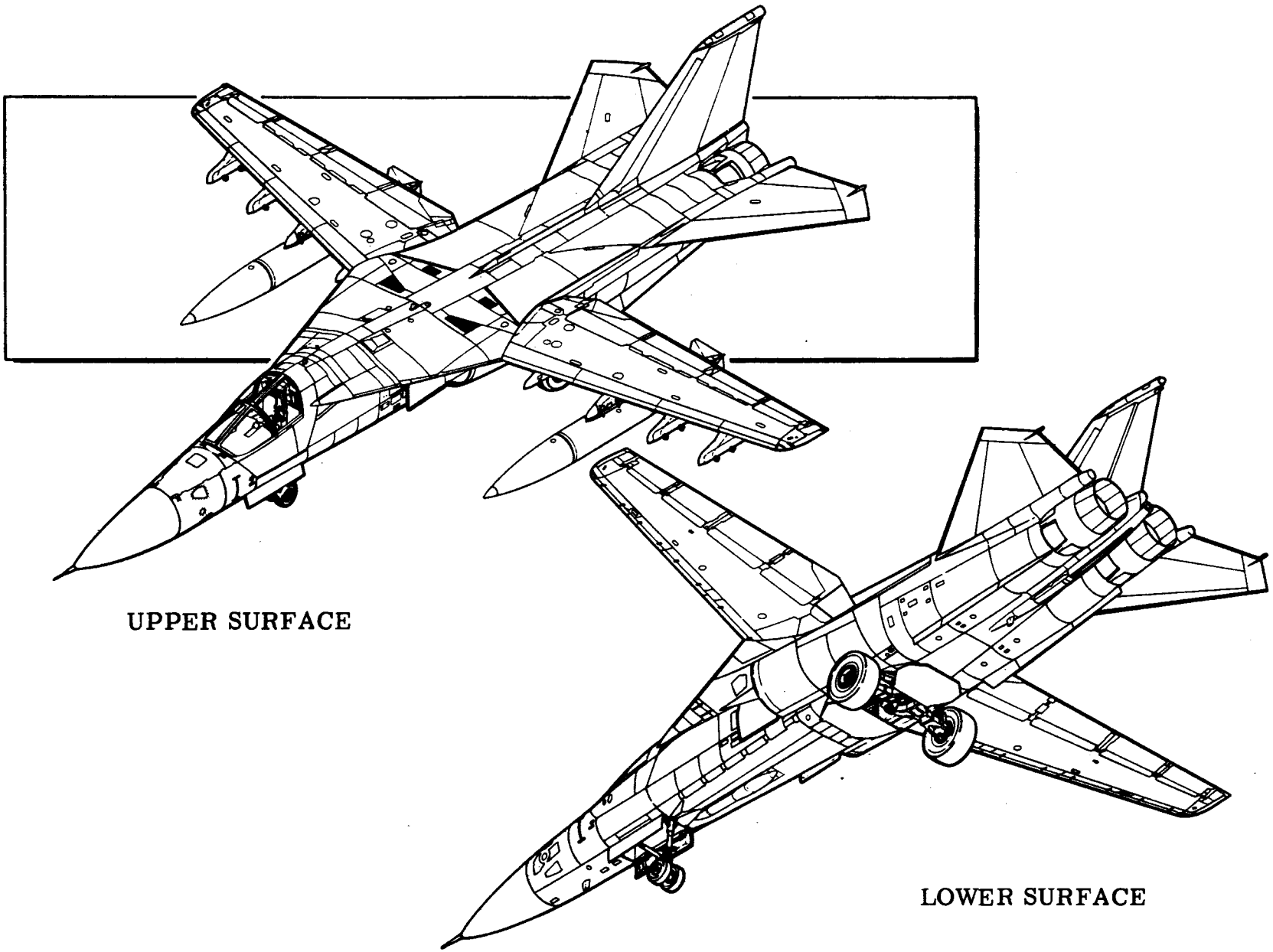


Figure 4-1 F-111A UPPER/LOWER SURFACE

ST-826-26A

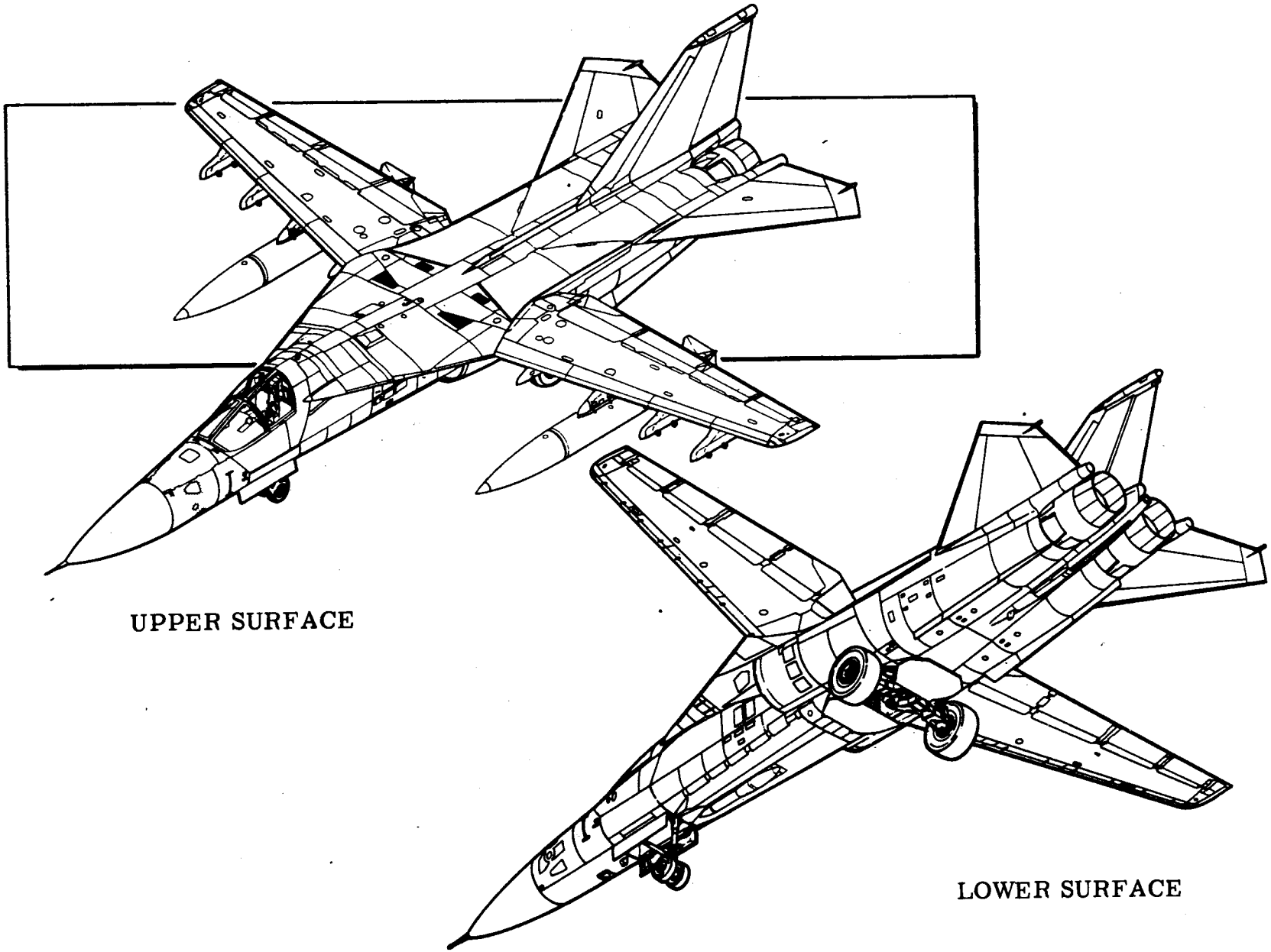


Figure F-111E UPPER/LOWER SURFACE

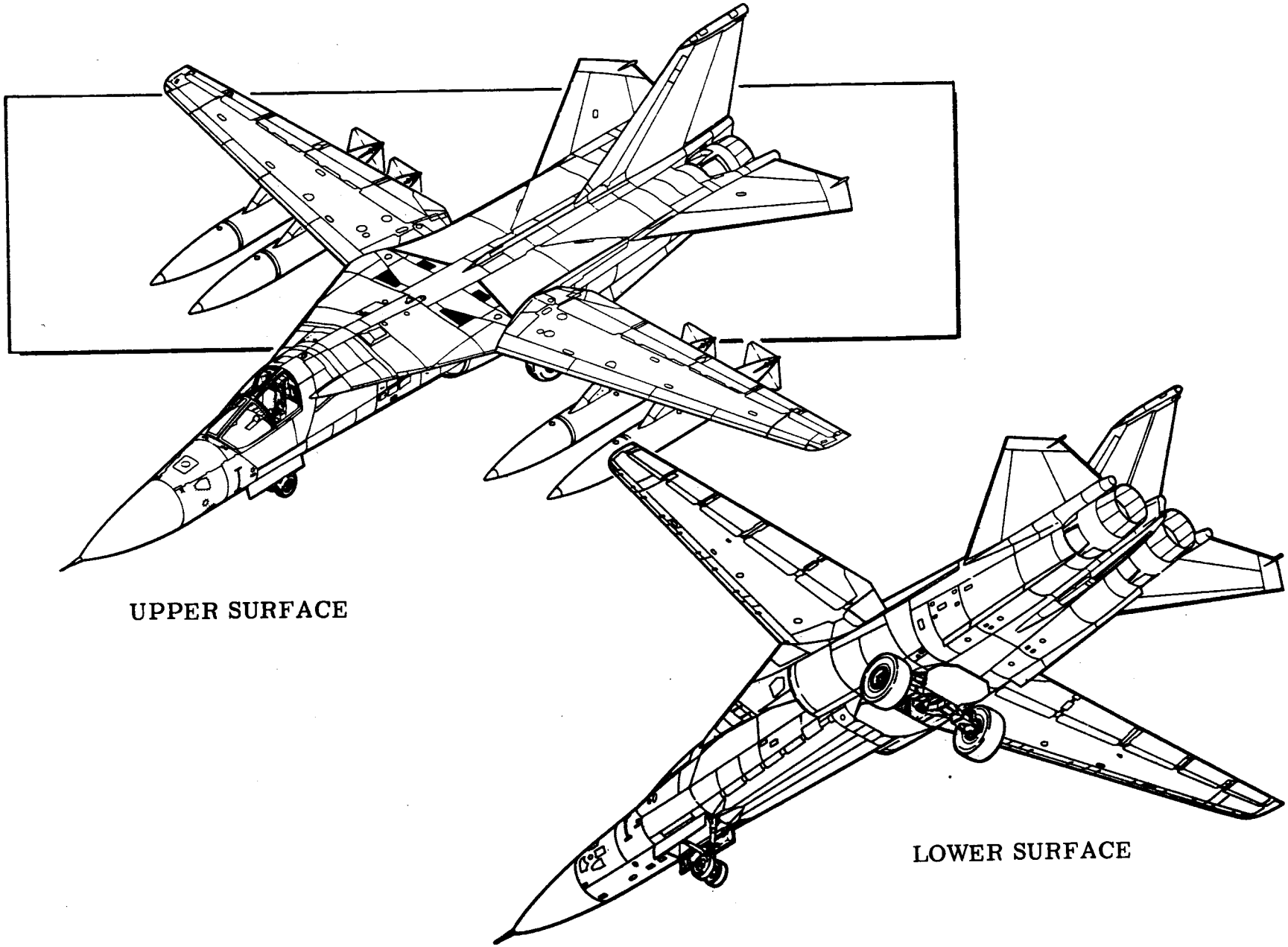


Figure 4-2 FB-111 UPPER/LOWER SURFACE

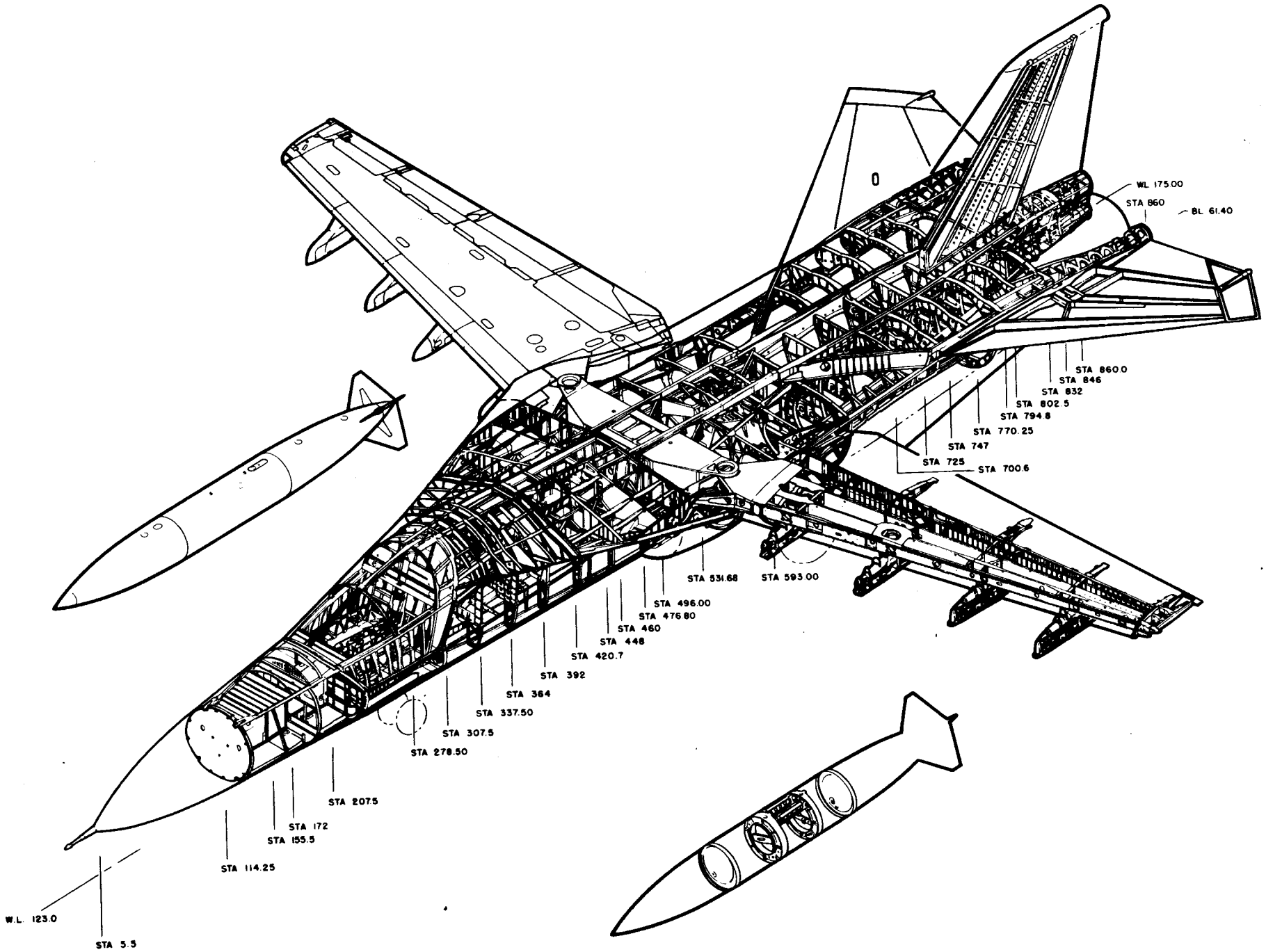


Figure 4-3 F-111A STRUCTURAL ARRANGEMENT
F-111E

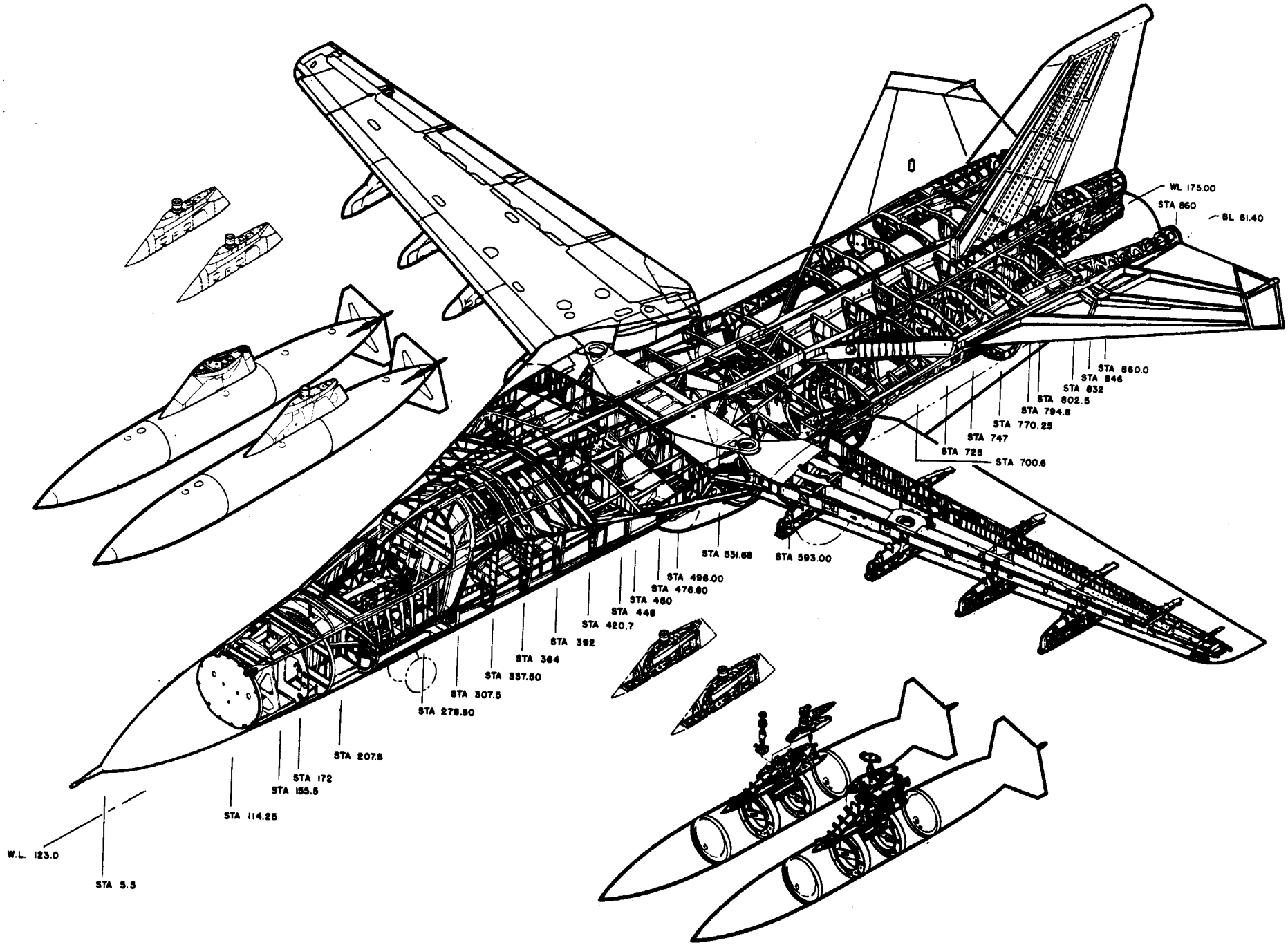


Figure 4-4 FB-111 STRUCTURAL ARRANGEMENT (Bomber 3 and On)

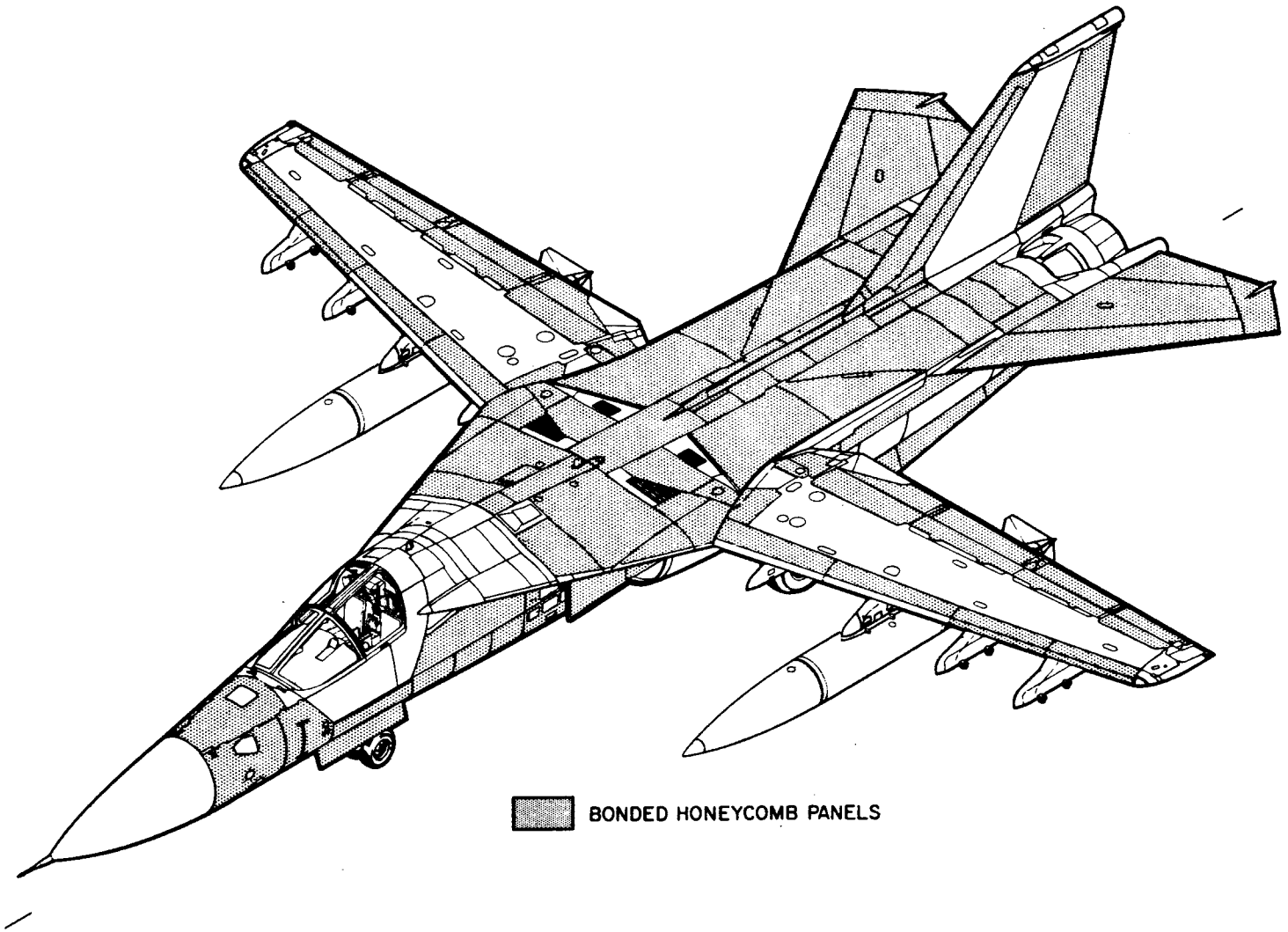
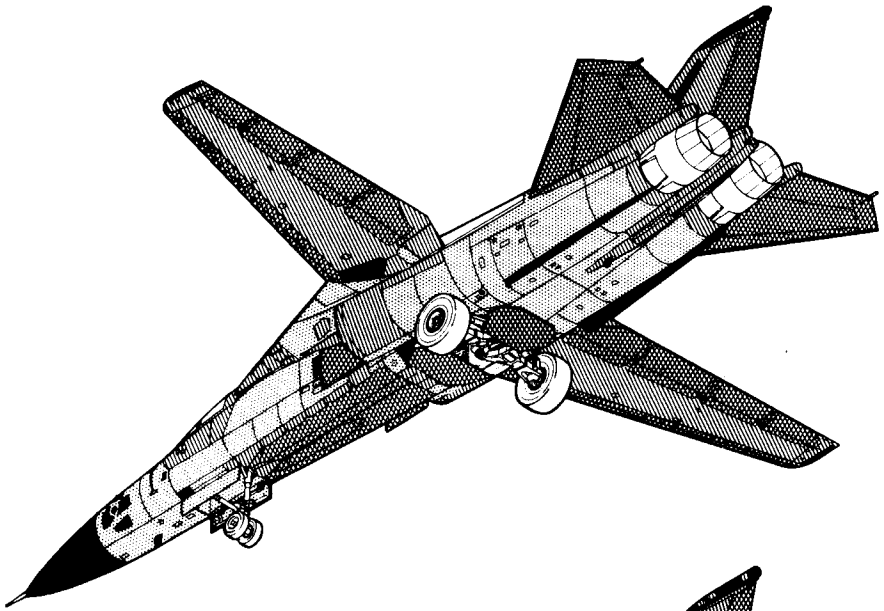
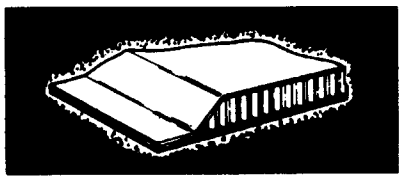


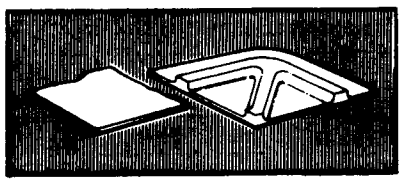
Figure 4-5 F-111A BONDED HONEYCOMB PANELS
F-111E

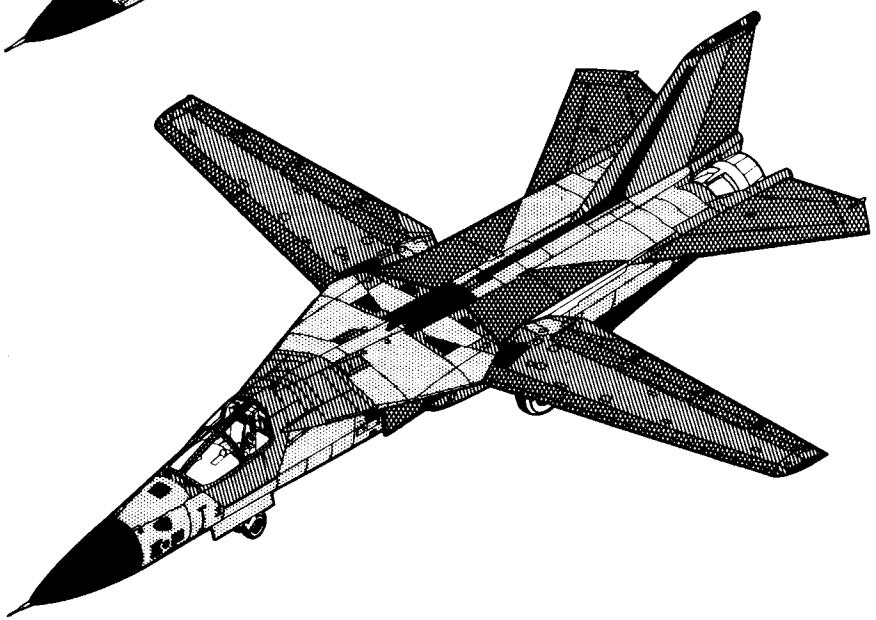


FIBERGLAS

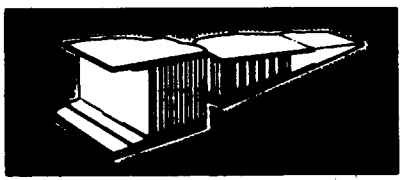


ALUMINUM
PLAIN AND SCULPTURED
SKIN





ALUMINUM
FULL DEPTH
HONEYCOMB CORE



ALUMINUM
BONDED SANDWICH

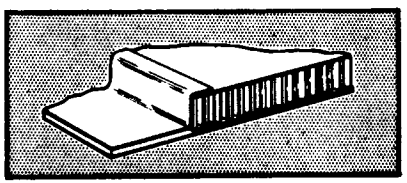
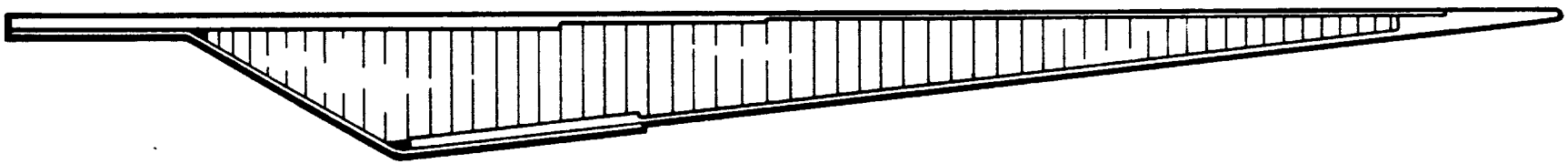


Figure 4-6 PANEL STRUCTURAL APPLICATION

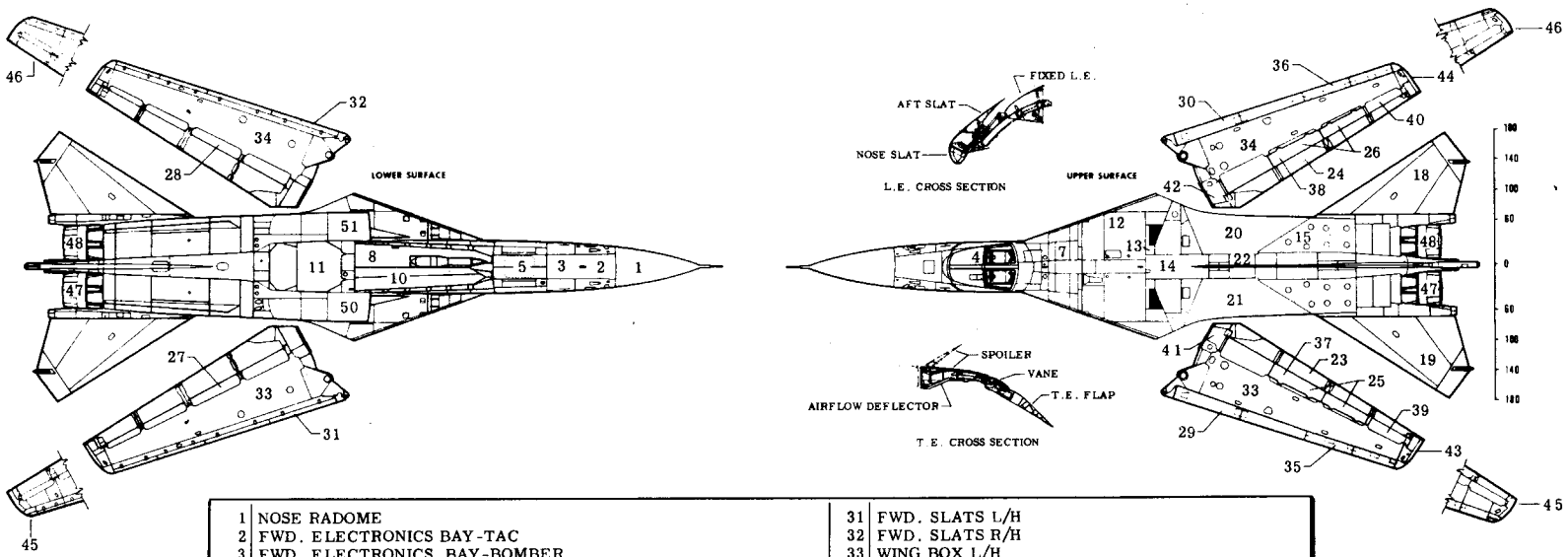


TYPICAL FULL DEPTH CORE BONDED PANEL



TYPICAL CONSTANT CORE BONDED PANEL

Figure 4-7 TYPICAL CROSS SECTIONS - BONDED PANELS



1	NOSE RADOME	31	FWD. SLATS L/H
2	FWD. ELECTRONICS BAY-TAC	32	FWD. SLATS R/H
3	FWD. ELECTRONICS BAY-BOMBER	33	WING BOX L/H
4	CREW COMPARTMENT MODULE	34	WING BOX R/H
5	NOSE LANDING GEAR AREA, DOORS AND CHEEKS	35	AFT SLATS L/H
6	NOSE LANDING GEAR	36	AFT SLATS R/H
7	CREW COMP'T MODULE STABILIZATION BOOM	37	VANES L/H
8	WEAPONS BAY GUN - TAC	38	VANES R/H
9	FORWARD FUEL TANK	39	OUTBOARD T. E. PANELS FIXED L/H
10	MISSILE BAY (INCLUDING DOORS)	40	OUTBOARD T. E. PANELS FIXED R/H
11	MAIN WHEEL WELL AREA (INCLUDING DOORS)	41	INBOARD T. E. PANELS FIXED L/H
12	GLOVE AREA	42	INBOARD T. E. PANELS FIXED R/H
13	ACTUATOR - WING CONTROL	43	WING TIP L/H - TAC
14	PIVOT SUPPORT ASSEMBLY	44	WING TIP R/H - TAC
15	AFT FUSELAGE FUEL TANK	45	WING TIP L/H - BOMBER
16	VERTICAL STABILIZER AND LEADING EDGES	46	WING TIP R/H - BOMBER
17	RUDDER	47	L/H POWER PLANT AND POWER PLANT CAVITY
18	HORIZONTAL STABILIZER R/H	48	R/H POWER PLANT AND POWER PLANT CAVITY
19	HORIZONTAL STABILIZER L/H	49	MAIN LANDING GEAR
20	FUSELAGE OVERWING FAIRINGS AND WING CAVITY AREA R/H	50	L/H ENGINE INLET AREA
21	FUSELAGE OVERWING FAIRINGS AND WING CAVITY AREA L/H	51	R/H ENGINE INLET AREA
22	FUSELAGE OVERWING CONTROLS TUNNEL AREA	52	ELECTRICAL (ALL AREAS)
23	TE FLAPS L/H	53	CHEEK AREA EQUIPMENT
24	TE FLAPS R/H	54	AFT FUSELAGE (LESS TANK AREA)
25	SPOILERS L/H	55	EXTERIOR OF COMPLETE AIRCRAFT
26	SPOILERS R/H	56	ENVIRONMENTAL EQUIPMENT BAY, INCLUDING WATER BOILER AREA - STA. 460.02 TO 478.00 AND FROM LOWER SURFACE OF WING PIVOT SUPPORT ASSEMBLY TO THE LOWER FUSELAGE CONTOUR SURFACE.
27	AIRFLOW DEFLECTORS L/H		
28	AIRFLOW DEFLECTORS R/H		
29	FIXED LEADING EDGE L/H		
30	FIXED LEADING EDGE R/H		

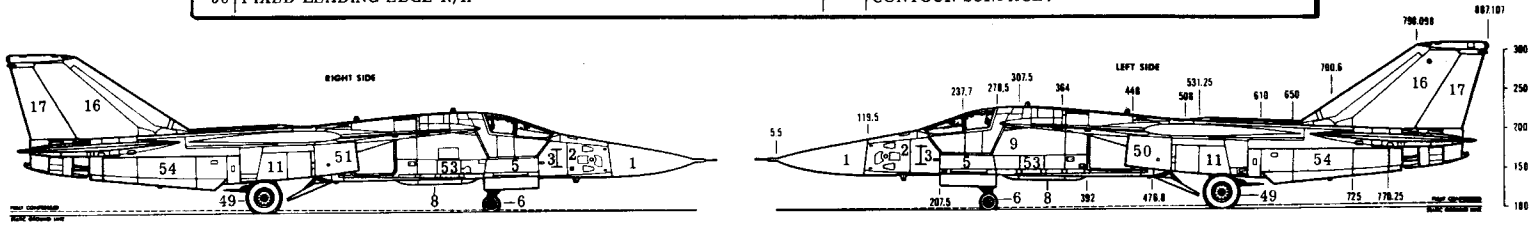


Figure 4-8 STATION AND AREA

ST-936-26A

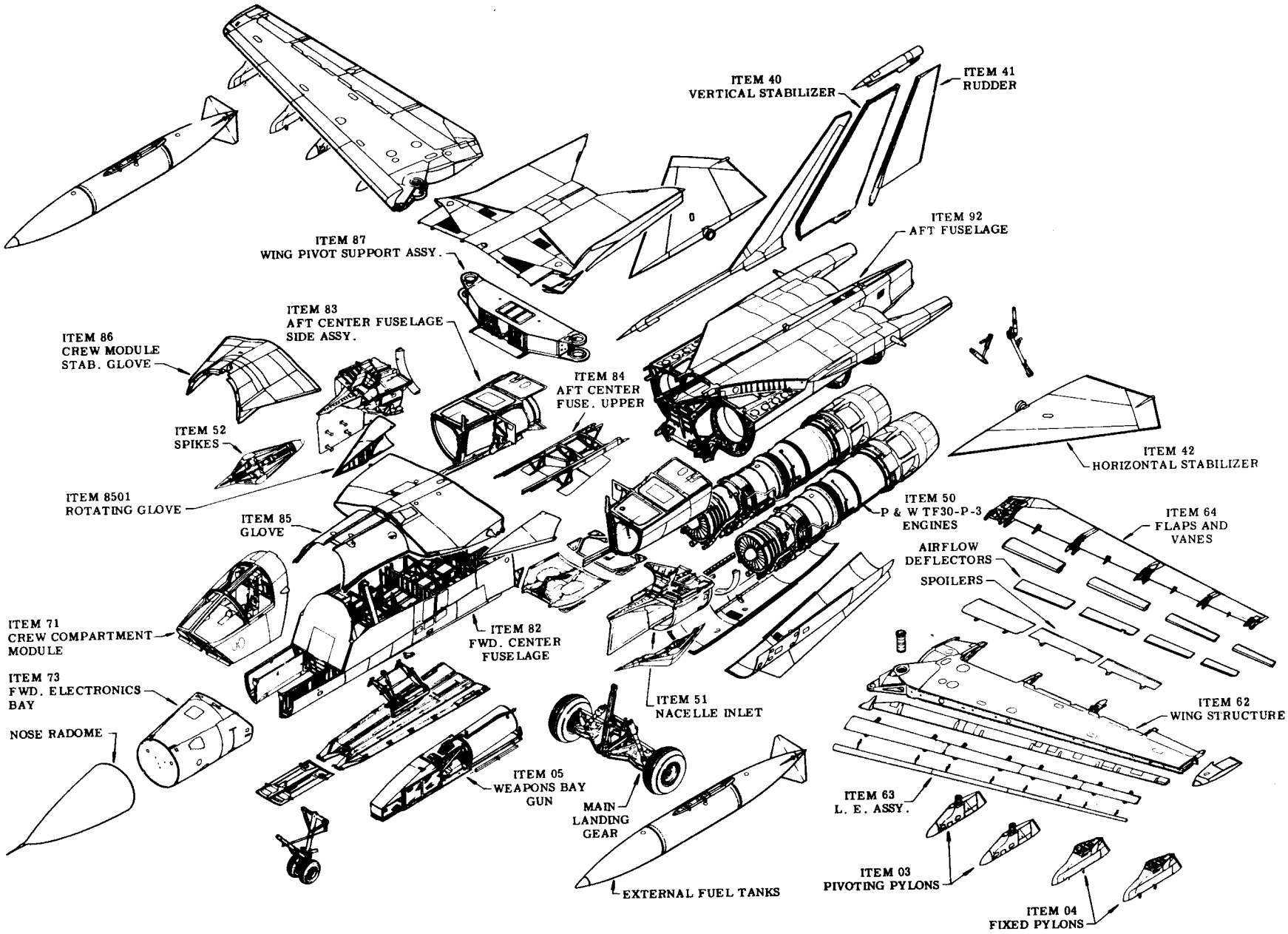


Figure 4-9 F-111A PRODUCTION BREAKDOWN
F-111E

ST-710-12A

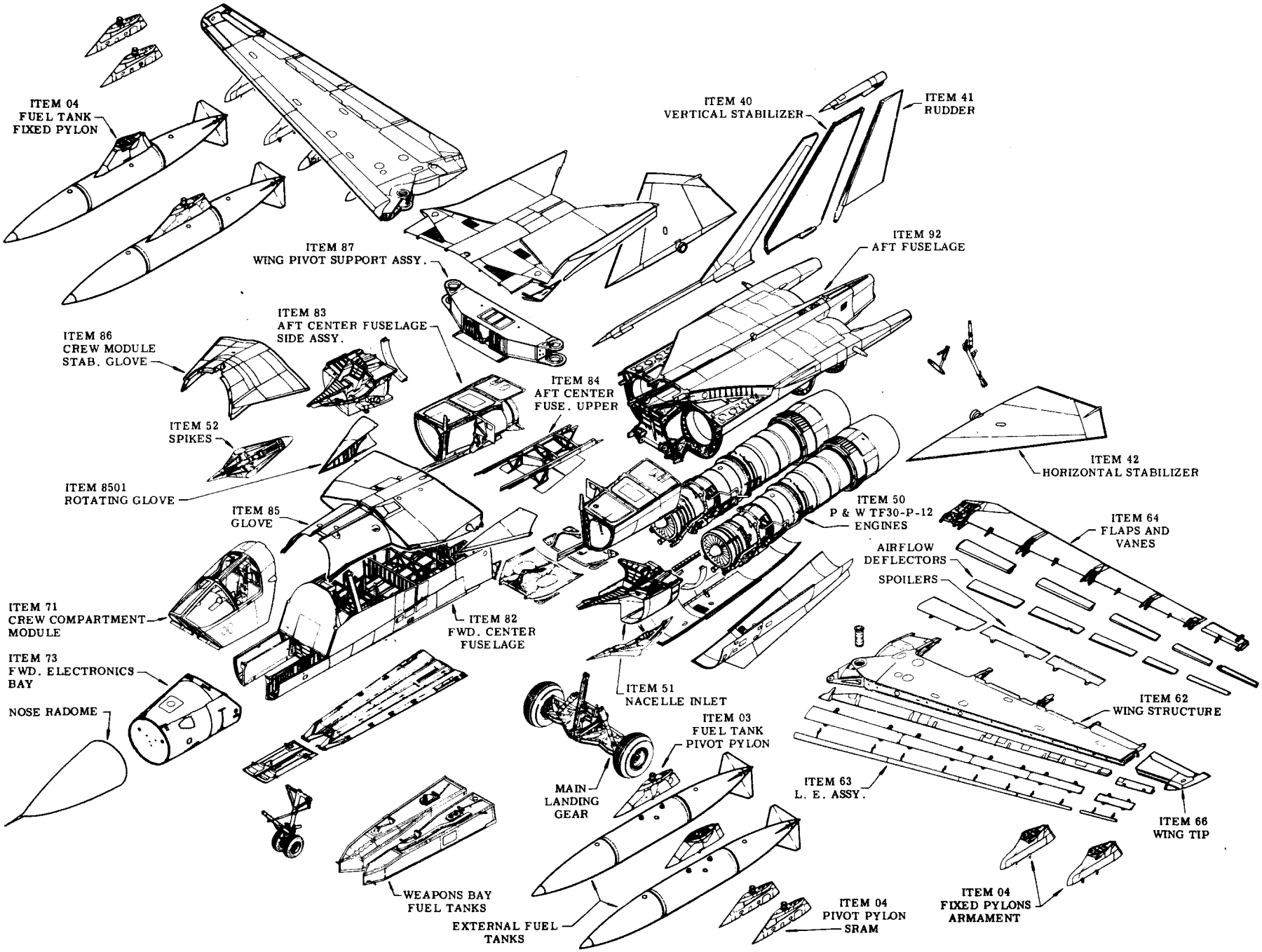


Figure 4-10 FB-111 PRODUCTION BREAKDOWN (Bomber 3 and On)

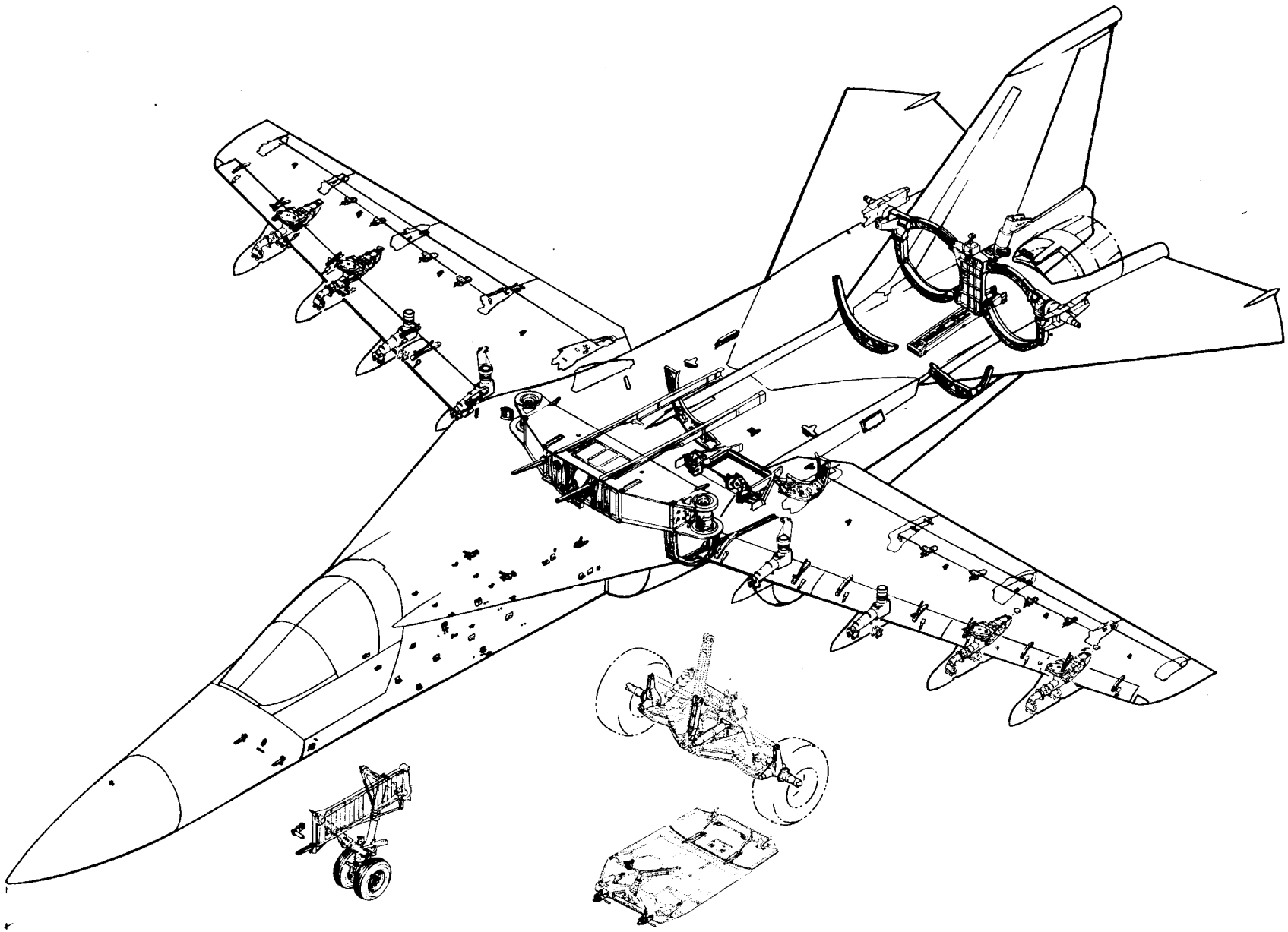


Figure 4-11 STEEL MACHINED PARTS

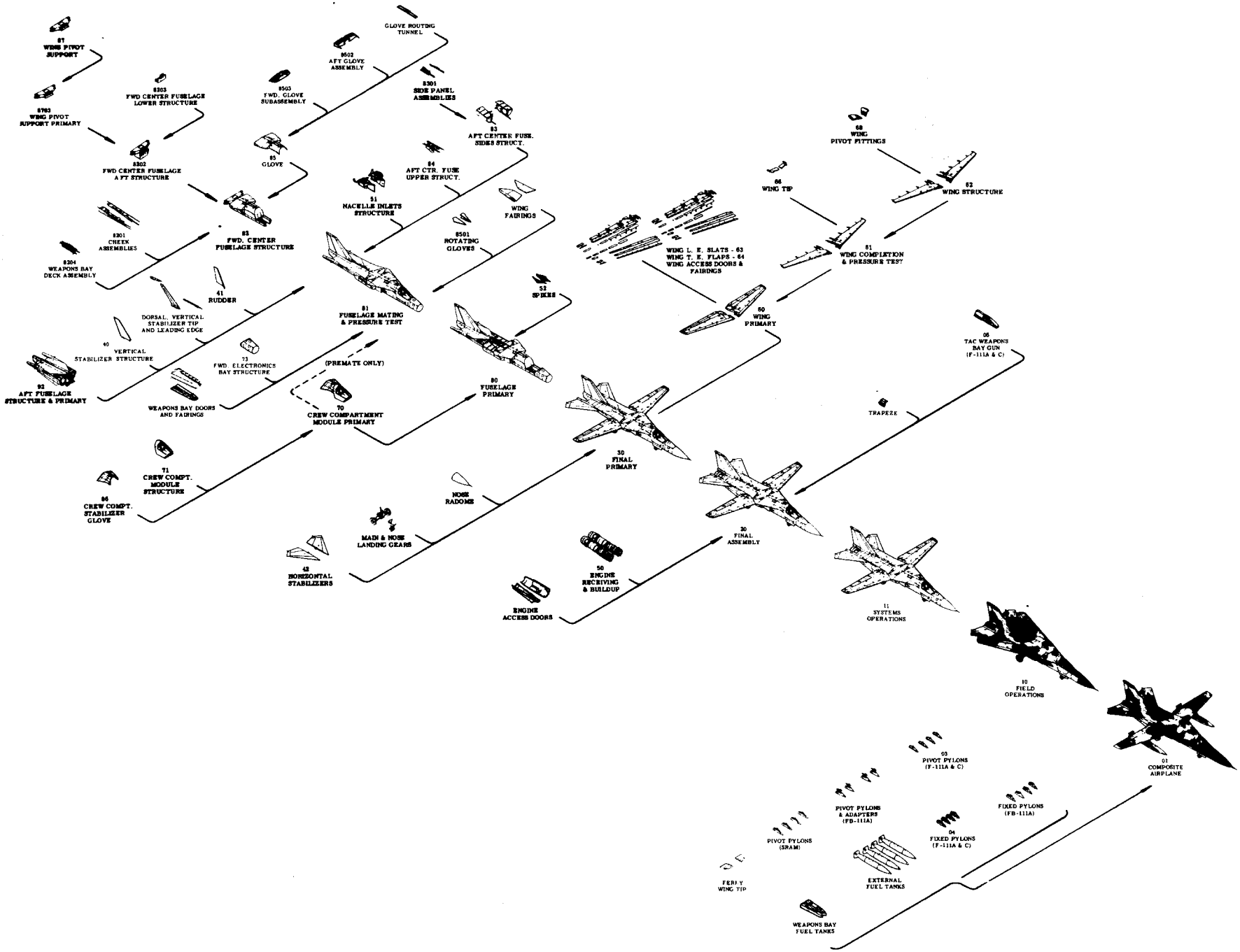
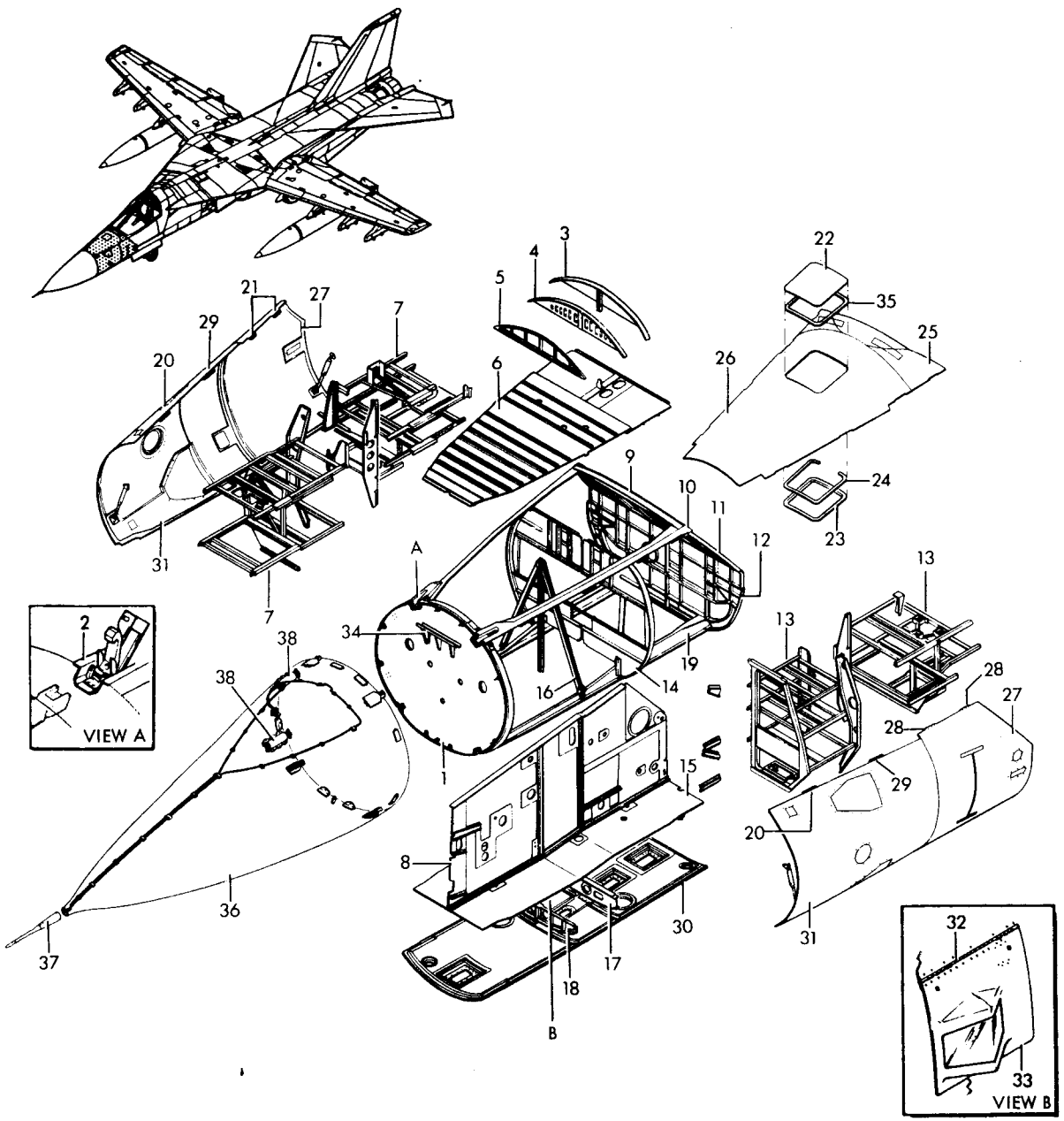


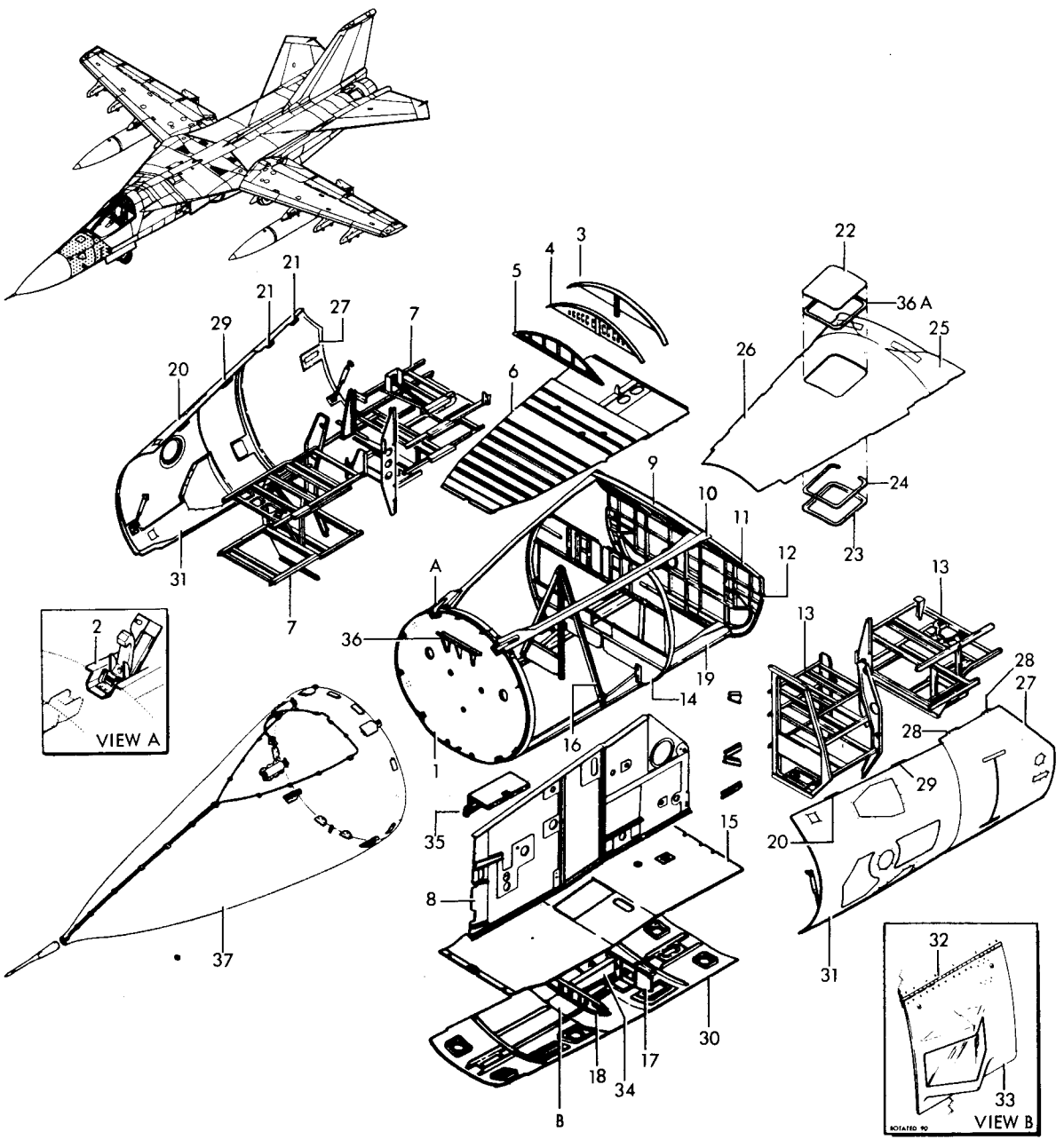
Figure 4-12 MANUFACTURING SEQUENCE

ST-606-3A



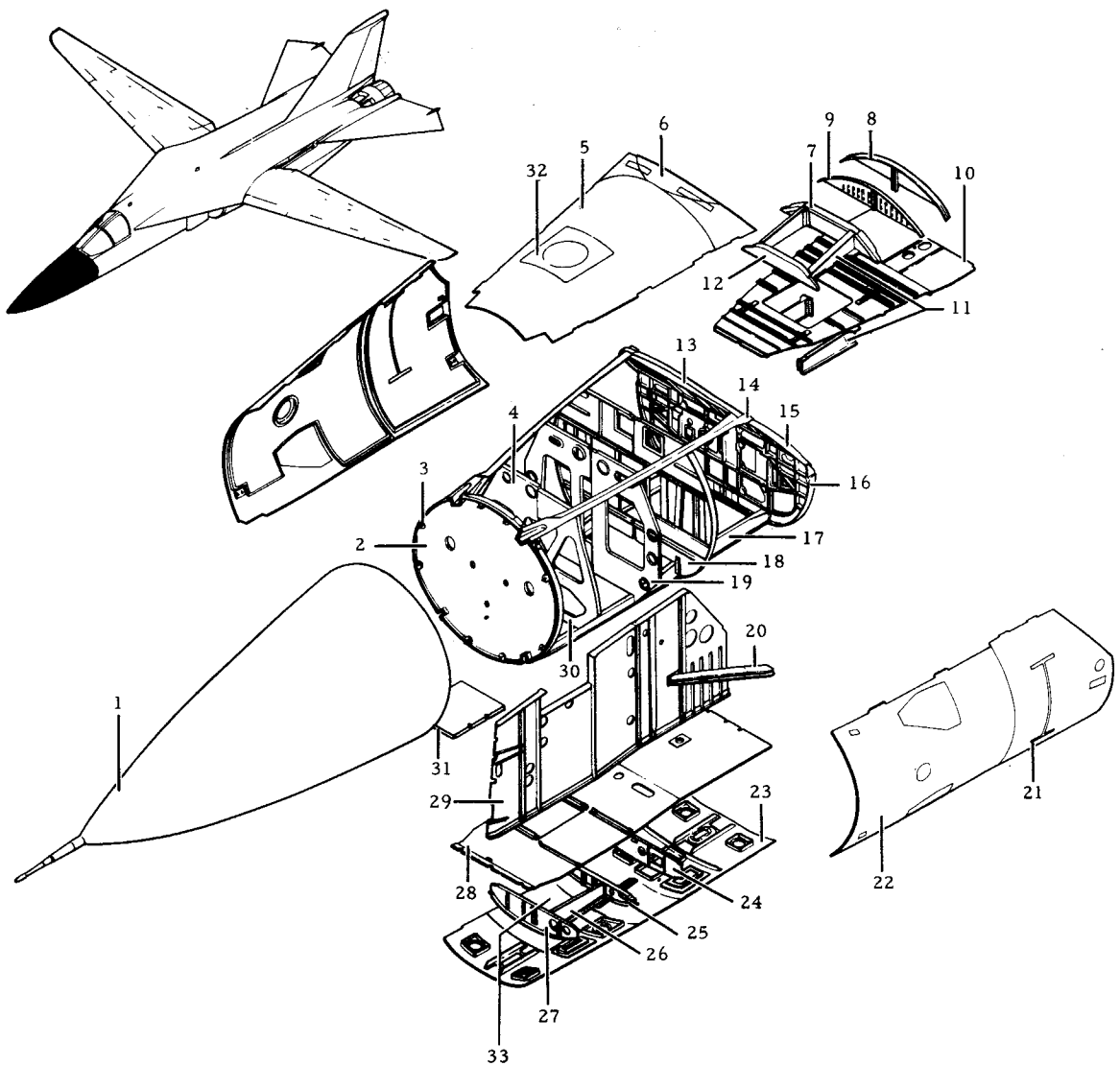
	12B11008	Equipment Bay Assy. of		
1.	12B2011	Bulkhead		
2.	12B7022	Latch Assy.		
3.	12B11240	Upper Frame		
4.	12B11231	Upper Frame		
5.	12B11220	Upper Frame		
6.	12B11335	Floor - Upper (Sta. 119.5-194		
7.	12E2053	Support Instl.		
8.	12B11410	Beam Assy. of		
9.	12B2059	Frame Upper (Sta. 184.7)		
10.	12B11120	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.	12B11233	Bulkhead		
18.	12B11222	Bulkhead		
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		
23.	12B3011	Frame	0.040 x 19 x 21	2024-T6
24.	12B3012	Spacer ADF Antenna	0.090 x 15 x 17	2024-T81
25.	12B11320	Upper Skin Sta. 180 Aft	0.080 x 14 x 56	2024-T6
26.	12B11310	Panel (19-36)		
26.	12B11311	Panel (37-On)		
27.	12B11521	Aft Equipment Door - L/R		
28.	12B11522	Hinge Half	K60A125T8511	
29.	12B11513	Hinge Half	K60A146T8511	
30.	12B11531	Radome, Antenna Bay (TAC 31,32, 34-36)		
30.	12B11532	Radome, Antenna Bay (TAC 33, 37-75)		
30.	12B40531	Skin Assy.(76-159)	.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 (103-159)		
33.	12B40550	Skin (103-159)		
34.	12E021	Bracket		
35.	12B3013	Seal		
36.	12E2053	Nose Radome (Ref.)		
36.	12E2010	Nose Radome Instl. (Ref.)		
37.	12H710	Probe Instl. (Ref.)		
38.	12B7010	Hinge, Radome (Ref.)		

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



	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. 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 Antenna	0.090 x 15 x 17	2024-T81
25.	12B11320	Upper Skin Sta. 180 Aft	0.080 x 14 x 56	2024-T6
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)



	12B40009	Assembly
	12B40050	Installation
1.	12E2010	Nose Radome Instl.
2.	12B2011	Canted Bhd.
3.	12B7027	Shear Pin
4.	12B40210	Bhd. Sta. 136.20
5.	12B40310	Skin Assy. of
6.	12B11320	Upper Skin
7.	12B40220	Bhd. Sta. 155.50
8.	12B11240	Frame Sta. 180
9.	12B11231	Frame Sta. 172
10.	12B11335	Floor Upper
11.	12B40218	Beam
12.	12B40212	Bhd. Sta. 136.20
13.	12B2052	Canted Frame Sta. 181.77
14.	12B11120	Upper Longeron
15.	12B2550	Canted Bhd. Sta. 207.50
16.	12B40250	Lower Bhd. Sta. 207.50
17.	12B40110	Lower Longeron
18.	12B40230	Bhd. Sta. 172
19.	12B40221	Bhd. Sta. 155.50
20.	12B40412	Beam
21.	12B11521	Door Assy.
22.	12B11514	Door Assy.
23.	12B40531	Lower Skin Assy.
24.	12B40233	Lwr. Bhd. Sta. 172
25.	12B40222	Lower Bhd. Sta. 155.50
26.	12B40215	Frame
27.	12B40214	Lower Bhd. Sta. 132.50
28.	12B40330	Lwr. Platform Assy.
29.	12B40410	Center Beam Assy.
	12B40413	Support
	12B40414	Support
	12B40416	Support
	12B40417	Support
	12B40418	Support
30.	12B40211	Bhd. Sta. 134.50
31.	12B40420	Web Instl.
32.	12B40540	Cover, Astro Compass
33.	CE00142	Radome - Doppler

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

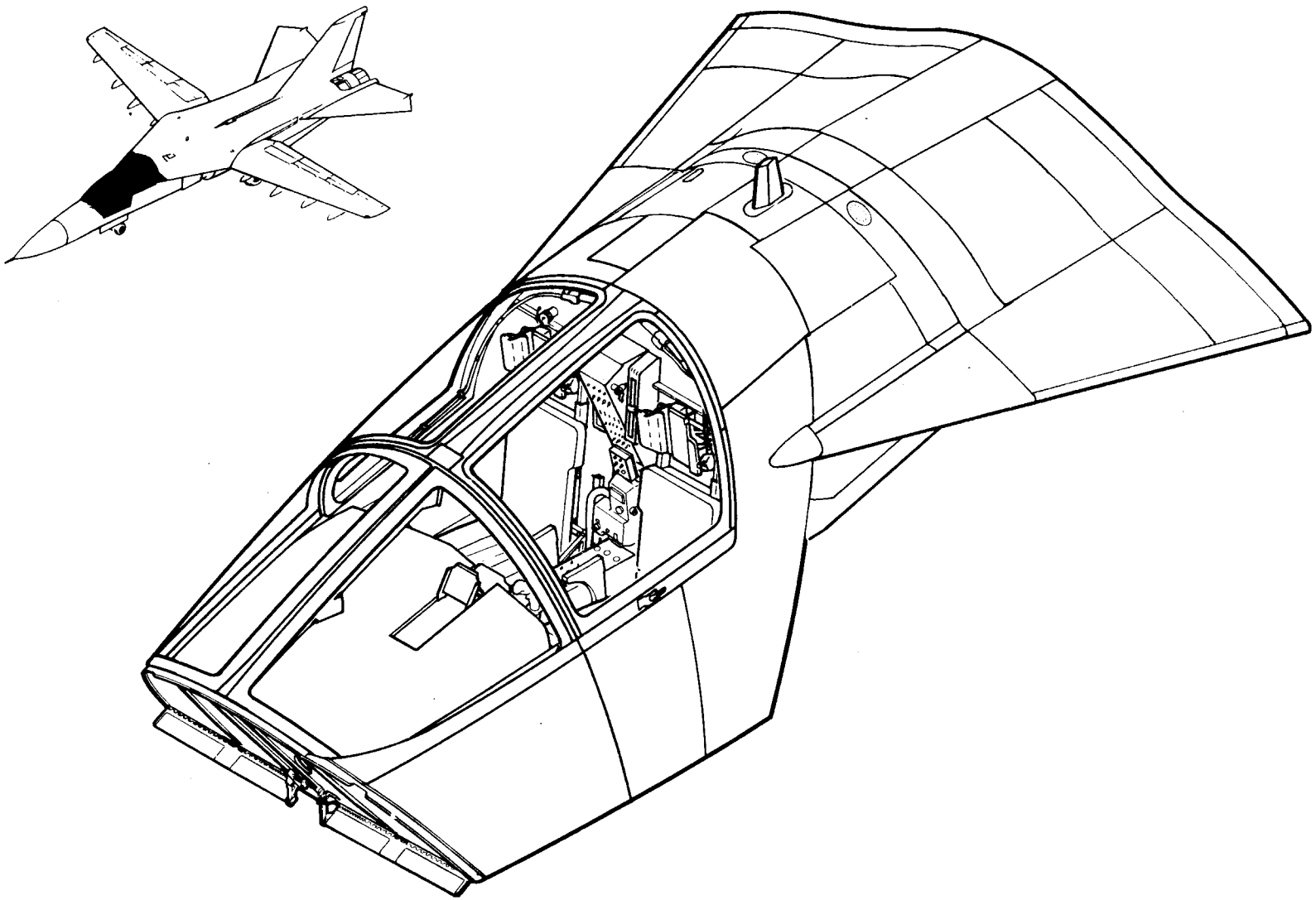


Figure 4-15 CREW MODULE PRIMARY (ITEM 70)

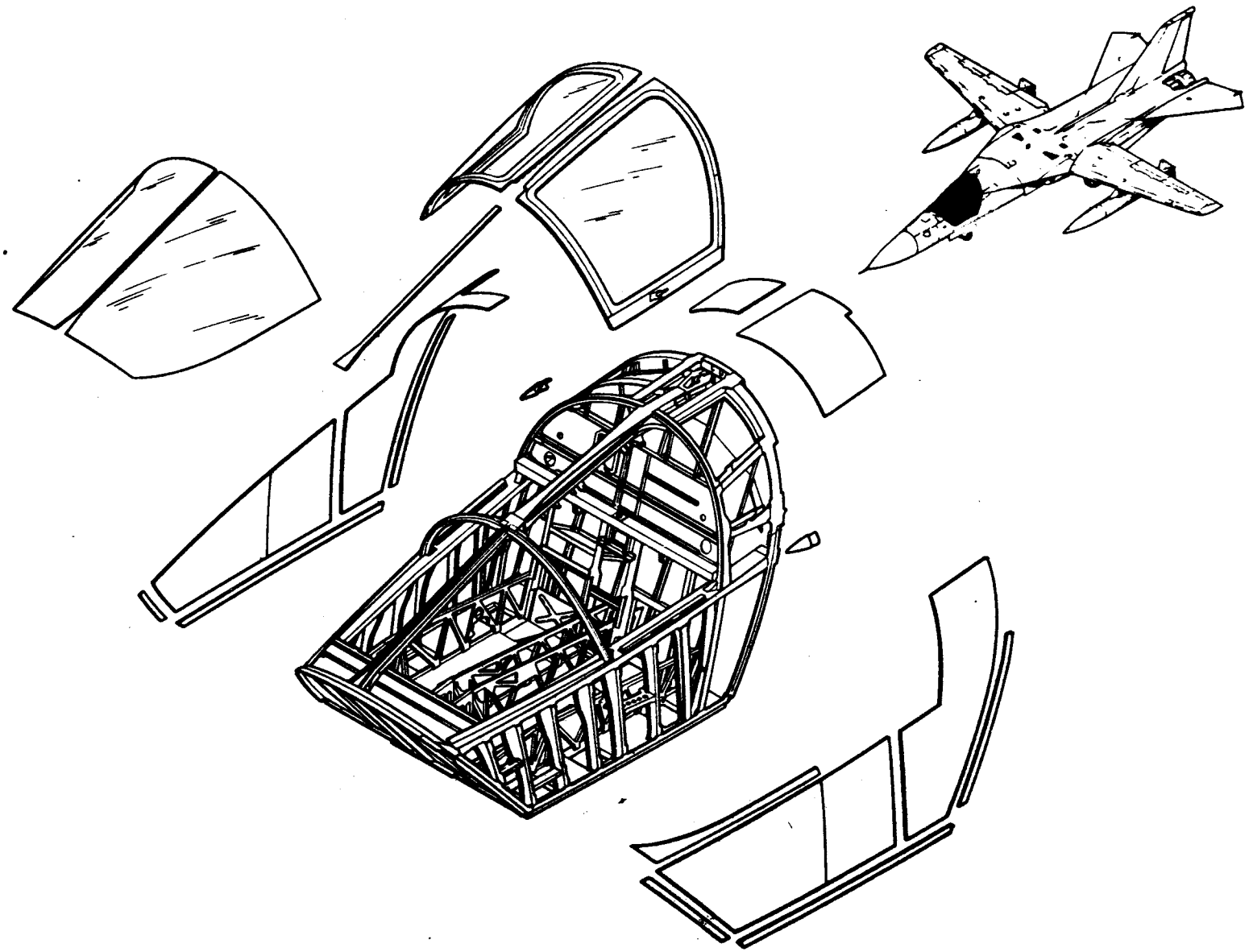
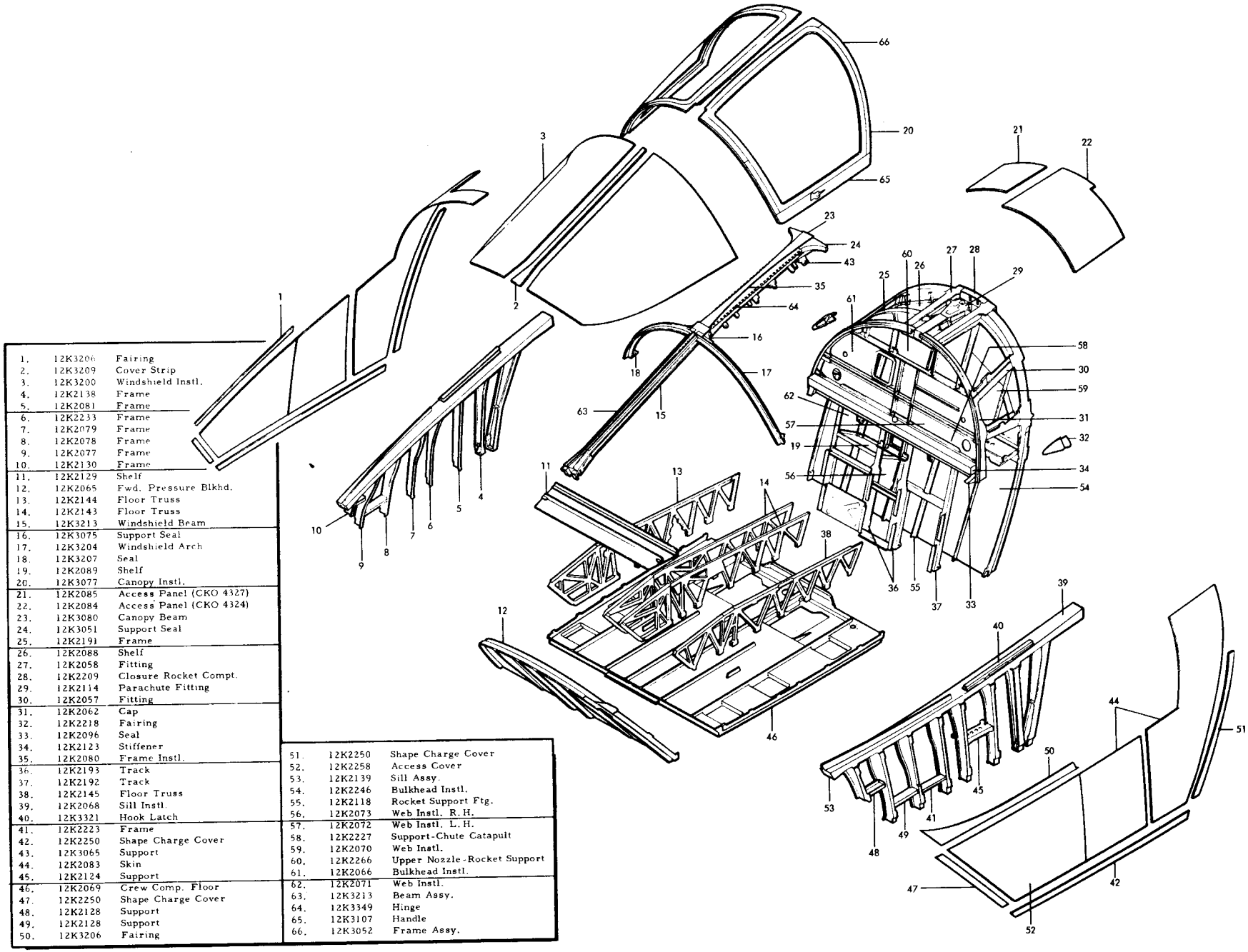


Figure 4-16 CREW COMPONENT MODULE STRUCTURE-12K2050

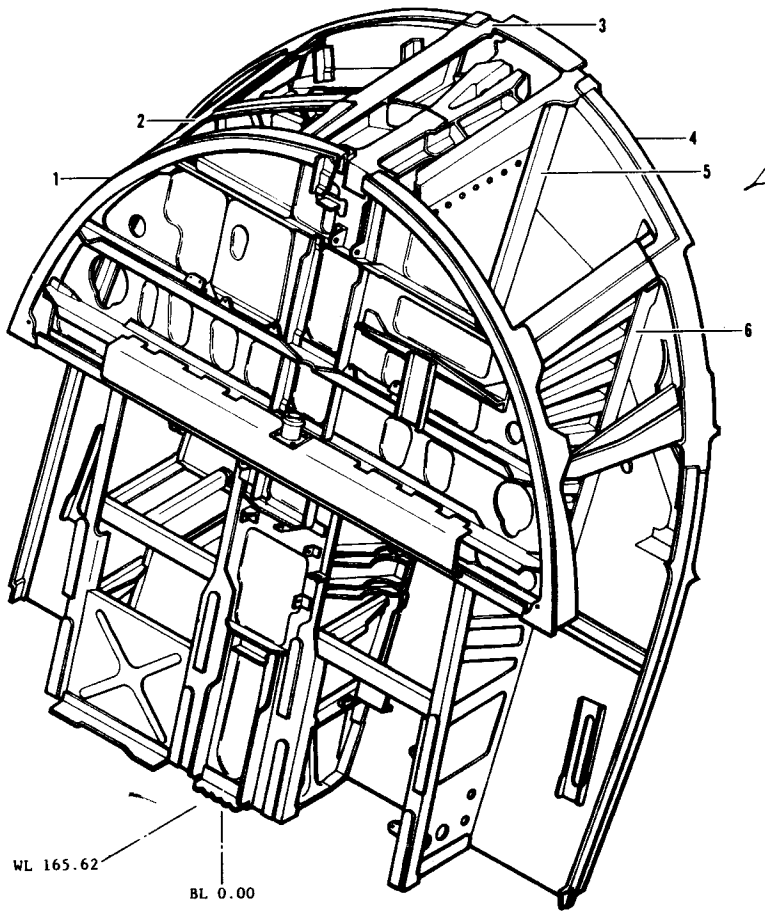
ST-673-49



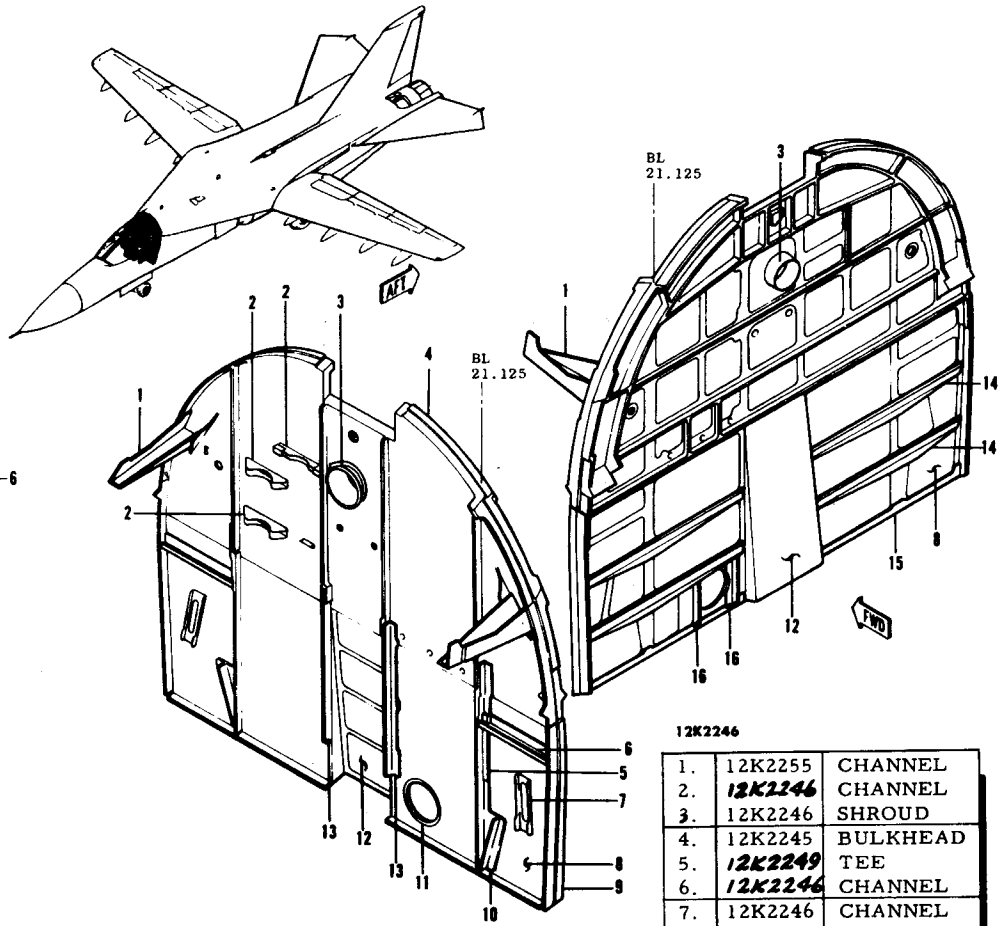
1.	12K3206	Fairing
2.	12K3209	Cover Strip
3.	12K3200	Windshield Instl.
4.	12K2138	Frame
5.	12K2081	Frame
6.	12K2233	Frame
7.	12K2079	Frame
8.	12K2078	Frame
9.	12K2077	Frame
10.	12K2130	Frame
11.	12K2129	Shelf
12.	12K2065	Fwd. Pressure Blkhd.
13.	12K2144	Floor Truss
14.	12K2143	Floor Truss
15.	12K3213	Windshield Beam
16.	12K3075	Support Seal
17.	12K3204	Windshield Arch
18.	12K3207	Seal
19.	12K2089	Shelf
20.	12K3077	Canopy Instl.
21.	12K2085	Access Panel (CKO 4327)
22.	12K2084	Access Panel (CKO 4324)
23.	12K3080	Canopy Beam
24.	12K3051	Support Seal
25.	12K2191	Frame
26.	12K2088	Shelf
27.	12K2058	Fitting
28.	12K2209	Closure Rocket Compt.
29.	12K2114	Parachute Fitting
30.	12K2057	Fitting
31.	12K2062	Cap
32.	12K2218	Fairing
33.	12K2096	Seal
34.	12K2123	Stiffener
35.	12K2080	Frame Instl.
36.	12K2193	Track
37.	12K2192	Track
38.	12K2145	Floor Truss
39.	12K2068	Sill Instl.
40.	12K3321	Hook Latch
41.	12K2223	Frame
42.	12K2250	Shape Charge Cover
43.	12K3065	Support
44.	12K2083	Skin
45.	12K2124	Support
46.	12K2069	Crew Comp. Floor
47.	12K2250	Shape Charge Cover
48.	12K2128	Support
49.	12K2128	Support
50.	12K3206	Fairing
51.	12K2250	Shape Charge Cover
52.	12K2258	Access Cover
53.	12K2139	Sill Assy.
54.	12K2246	Bulkhead Instl.
55.	12K2118	Rocket Support Ftg.
56.	12K2073	Web Instl. R.H.
57.	12K2072	Web Instl. L.H.
58.	12K2227	Support-Chute Catapult
59.	12K2070	Web Instl.
60.	12K2266	Upper Nozzle-Rocket Support
61.	12K2066	Bulkhead Instl.
62.	12K2071	Web Instl.
63.	12K3213	Beam Assy.
64.	12K3349	Hinge
65.	12K3107	Handle
66.	12K3052	Frame Assy.

Figure 4-17 CREW COMPARTMENT MODULE STRUCTURE - 12K2050

CREW MODULE AFT
BULKHEADS AND BEAMS



1.	12K2066	SEAT BULKHEAD
2.	12K2071	SUPPORT BEAM
3.	12K2073	SUPPORT BEAM
4.	12K2246	AFT PRESSURE BULKHEAD
5.	12K2072	SUPPORT BEAM
6.	12K2070	SUPPORT BEAM

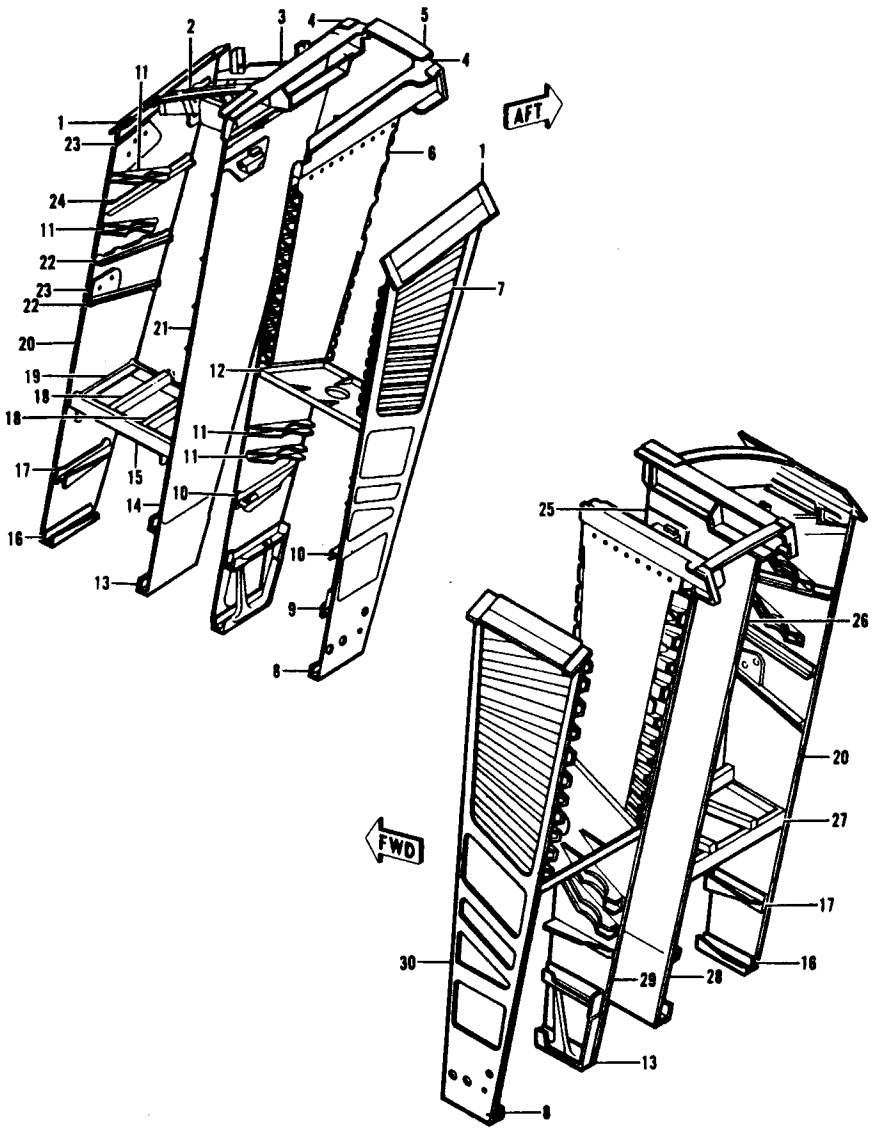


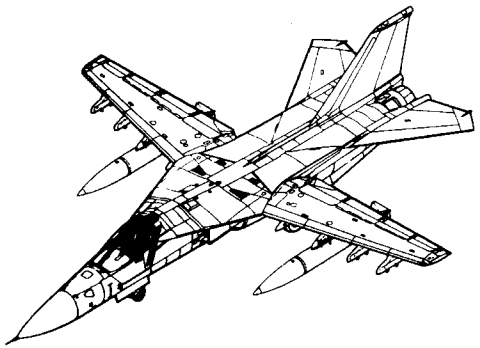
CREW MODULE AFT
PRESSURE BULKHEAD

12K2246

1.	12K2255	CHANNEL
2.	12K2246	CHANNEL
3.	12K2246	SHROUD
4.	12K2245	BULKHEAD
5.	12K2249	TEE
6.	12K2246	CHANNEL
7.	12K2246	CHANNEL
8.	12K2246	WEB
9.	12K2247	CAP
10.	12K2246	ANGLE
11.	12K2246	PLATE
12.	12K2246	PAN
13.	12K2248	ANGLE
14.	12K2246	TEE
15.	12K2249	ANGLE
16.	12K2246	ANGLE

Figure 4-18 CREW MODULE AFT BULKHEAD AND BEAM DETAIL

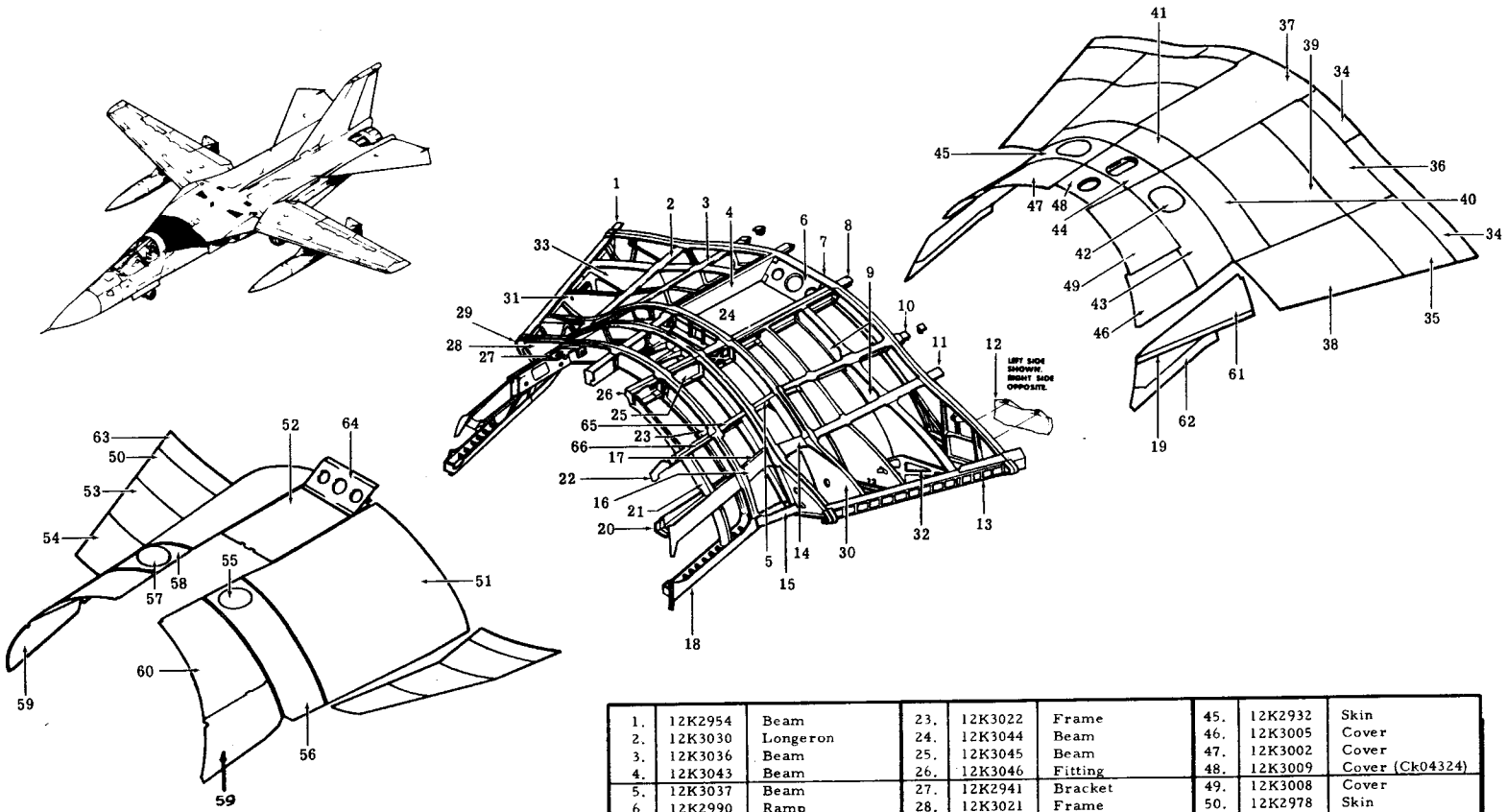




1	12K2031	ANGLE	3 x 6 x 20	2024-T851
2	12K2191	ZEE (MACHINED)		7075-T352
3	12K2088	ANGLE	0.040 x 8.8 x 19	7075-T6
1 ◁ 4	12K2058	FITTING (MACHINED)	4 x 7 x 27	2024-T851
2 ◁ 4	12K2058	FITTING (MACHINED)		7075-T352
5	12K2089	TEE (MACHINED)	K42A29.62 x 10	
6	12K2113	PLATE	0.020 x 16 x 18	7075-T6
7	12K2070	PLATE	0.020 x 14 x 24	7075-T6
8	12K2070	CHANNEL	0.063 x 6 x 10	7075-T6
9	12K2071	I-BEAM	K31D9TS511	
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



1.	12K2954	Beam	23.	12K3022	Frame	45.	12K2932	Skin
2.	12K3030	Longeron	24.	12K3044	Beam	46.	12K3005	Cover
3.	12K3036	Beam	25.	12K3045	Beam	47.	12K3002	Cover
4.	12K3043	Beam	26.	12K3046	Fitting	48.	12K3009	Cover (Ck04324)
5.	12K3037	Beam	27.	12K2941	Bracket	49.	12K3008	Cover
6.	12K2990	Ramp	28.	12K3021	Frame	50.	12K2978	Skin
7.	12K3017	Frame	29.	12K2947	Support	51.	12K2995	Skin
8.	12K3035	Bracket	30.	12K3020	Frame	52.	12K3042	Pan
9.	12K3018	Rib	31.	12K3019	Frame	53.	12K3007	Cover
10.	12K2970	Bracket	32.	12K3024	Support	54.	12K2999	Cover
11.	12K3029	Bracket	33.	12K3011	Frame	55.	12K2929	Cover
12.	12K2979	Flap, Pitch	34.	12K2952	Shear Plate	56.	12K2936	Skin
13.	12K2954	Beam	35.	12K3013	Cover	57.	12K2937	Cover
14.	12K3031	Longeron	36.	12K3001	Skin	58.	12K2936	Skin
15.	12K3025	Longeron	37.	12K3006	Cover	59.	12K2971	Skin
16.	12K2940	Plate	38.	12K2994	Skin	60.	12K2996	Skin
17.	12K2939	Longeron	39.	12K2997	Skin	61.	12K2973	Skin
18.	12K3026	Longeron	40.	12K3003	Skin	62.	12K2982	Cover
19.	12K2991	Angle	41.	12K3004	Cover	63.	12K2987	Cover Assembly
20.	12K2944	Longeron	42.	12K2931	Cover	64.	12K2990	Support Details
21.	12K3023	Frame	43.	12K2934	Skin	65.	12K3038	Cap
22.	12K3039	Cap	44.	12K2900	Skin	66.	12K3034	Beam Segment

Figure 4-20 STABILIZATION GLOVE BREAKDOWN

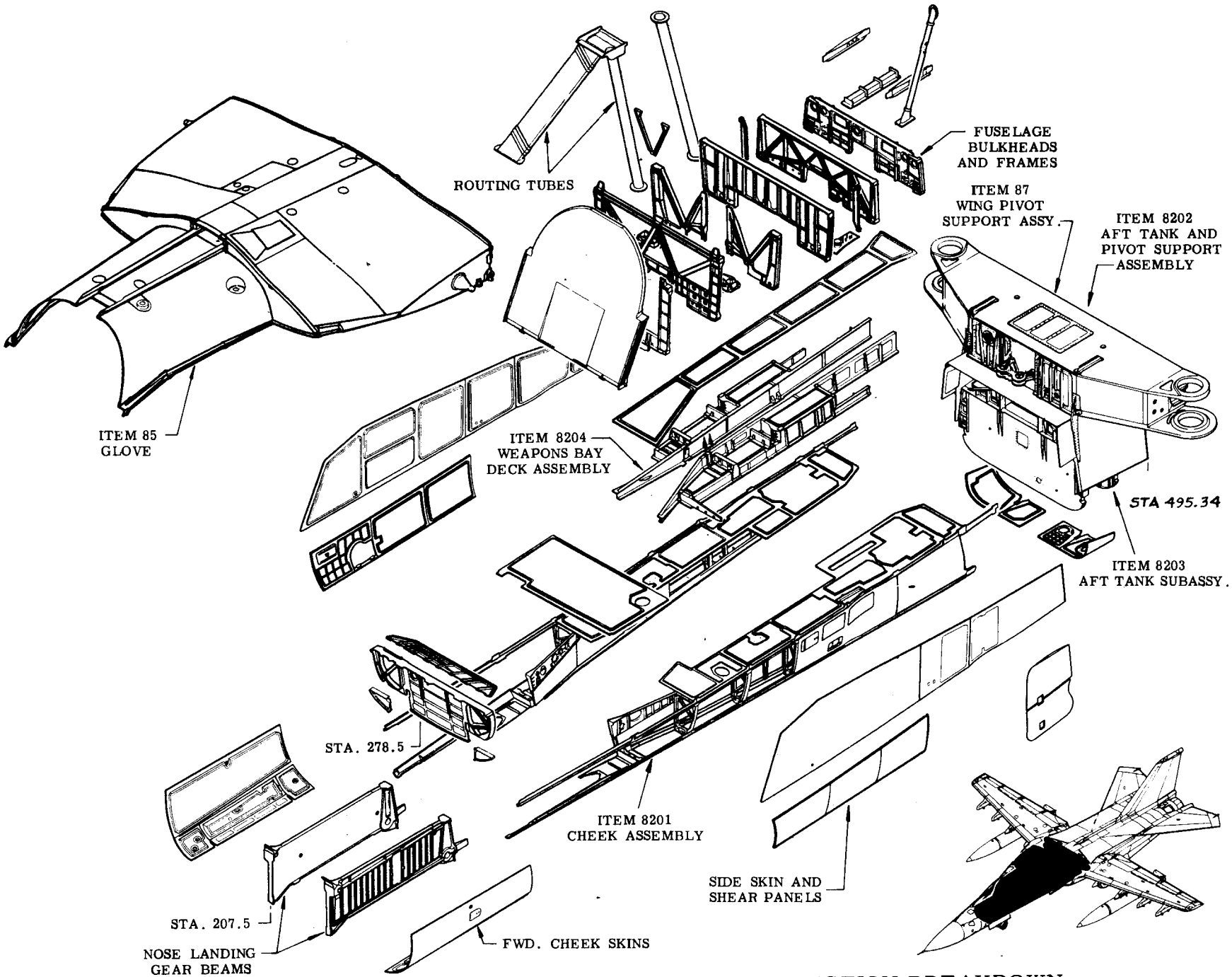
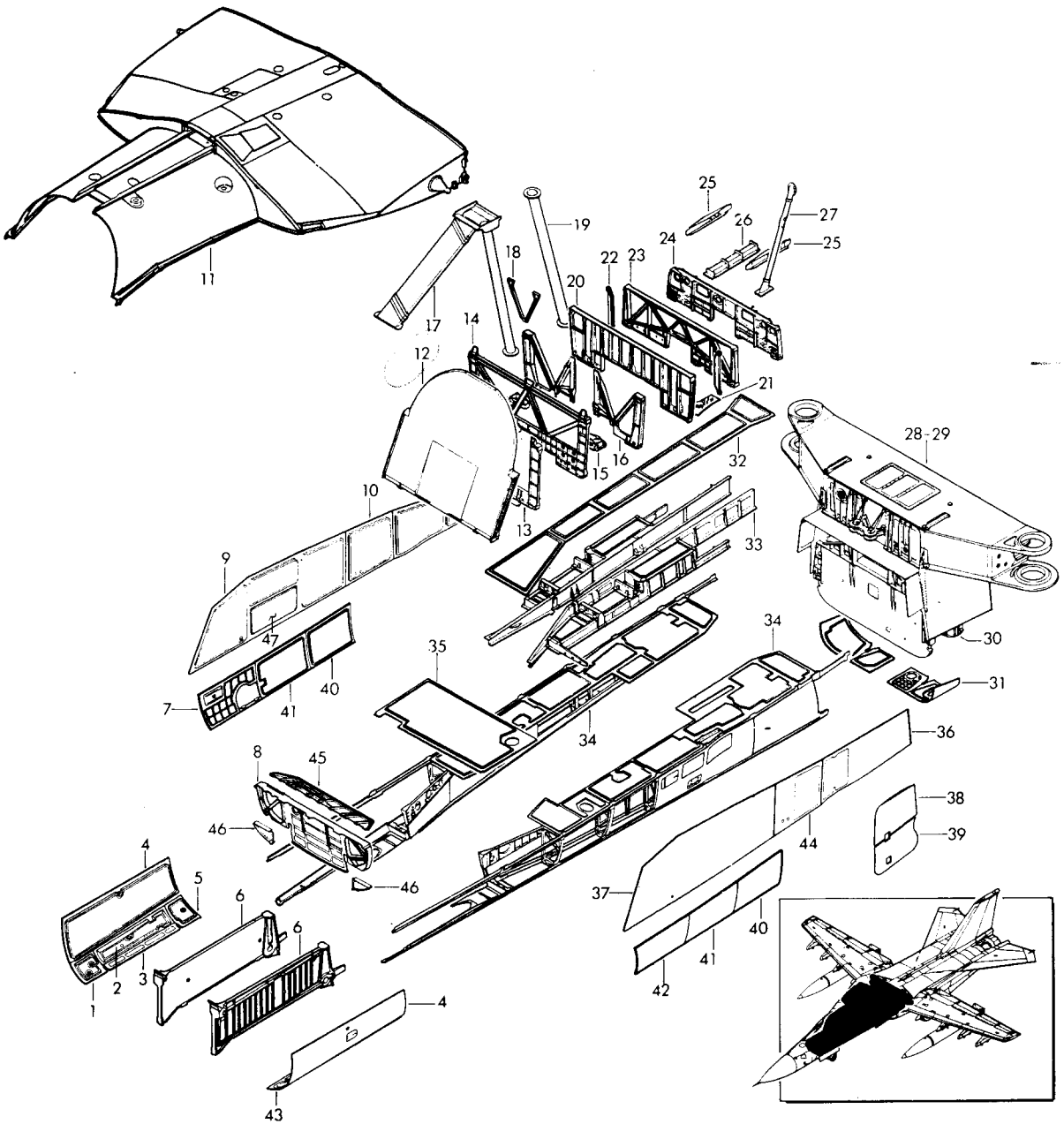


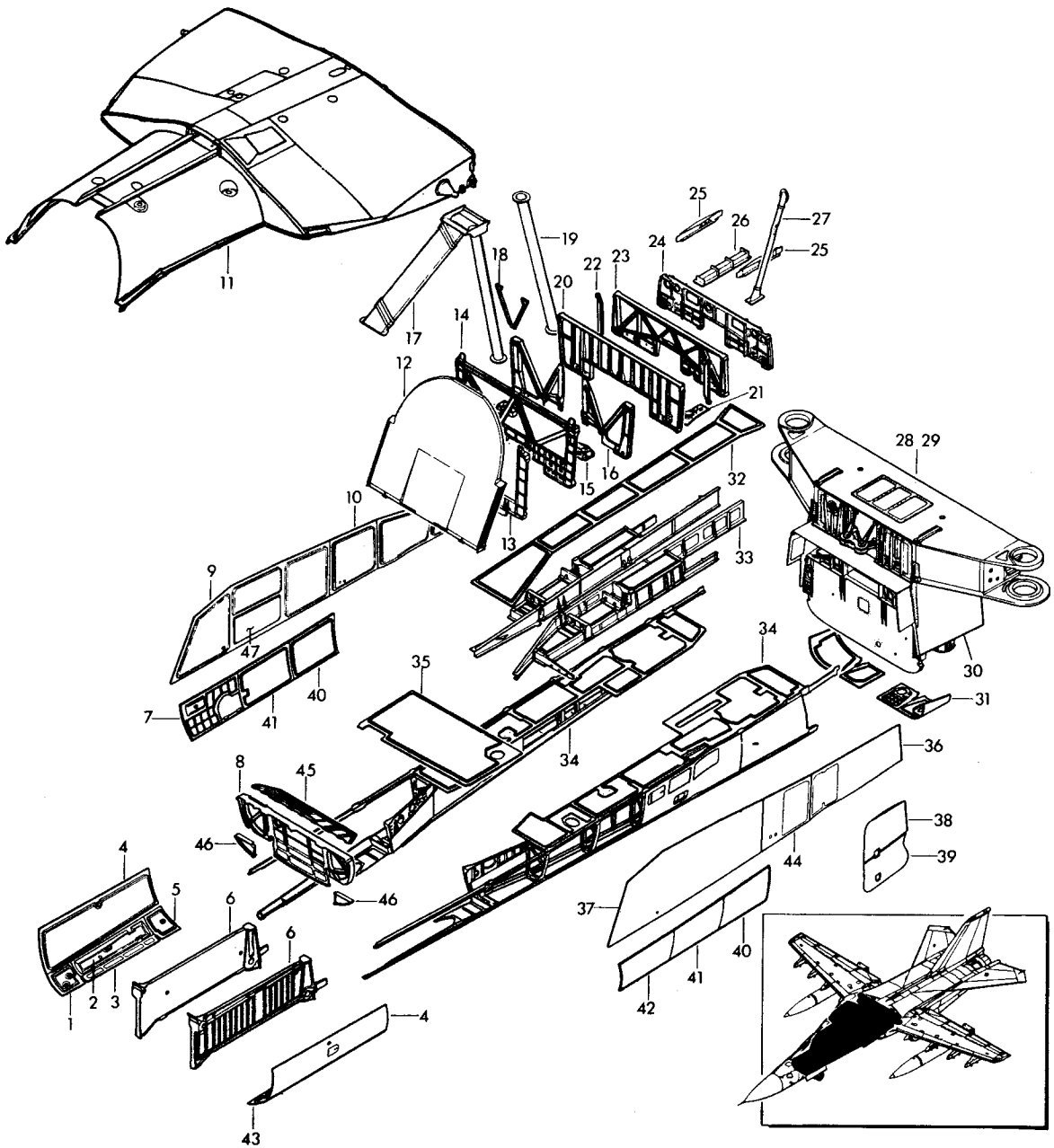
Figure 4-21 FORWARD CENTER FUSELAGE PRODUCTION BREAKDOWN

ST-652-132



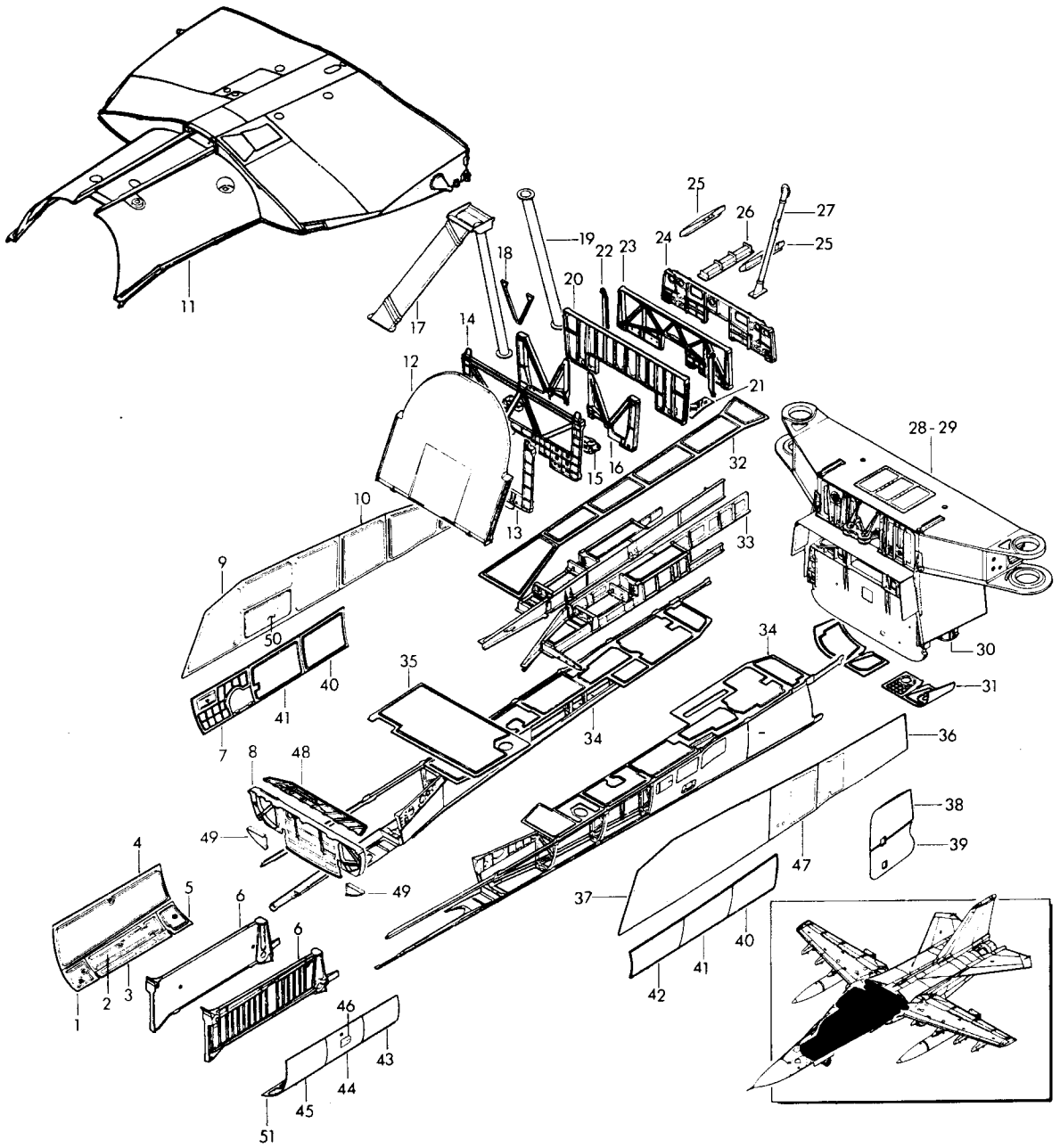
	12B020	Fwd. Center Fuselage Item 8200
1.	12B3046	Skin R.H.
2.	12F4101	Cover, Ladder L/R
3.	12B3044	Skin L/R
4.	12B5051	Cover, Sta. 207.35 - 277.39 (TAC 31 - 49)
4.	12B5053	Cover, Sta. 207.35 - 277.39 (TAC 50 - On)
5.	12B3045	Skin L/R
6.	12B4021	Beam, Nose Landing Gear L/R
7.	12B5611	Panel Sta. 278.5 - 307.5
8.	12B2615	Bhd., Lower Sta. 278.5
9.	12B3111	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; A1 31-159)



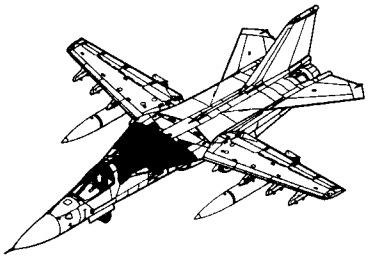
1.	12B3046	Skin - R.H.
2.	12F4083	Cover
3.	12B3044	Skin L/R
4.	12B5053	Cover Sta. 207.35 - 377.39
5.	12B3045	Skin L/R
6.	12B4021	Beam, Nose Landing Gear L/R
7.	12B5611	Panel Sta. 278.5 - 307.5
8.	12B2615	Bhd. Lower Sta. 278.5
9.	12B3111	Skin Sta. 278 -364 L/R
10.	12B8101	Skin L/R
11.	12B090	Glove
12.	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)



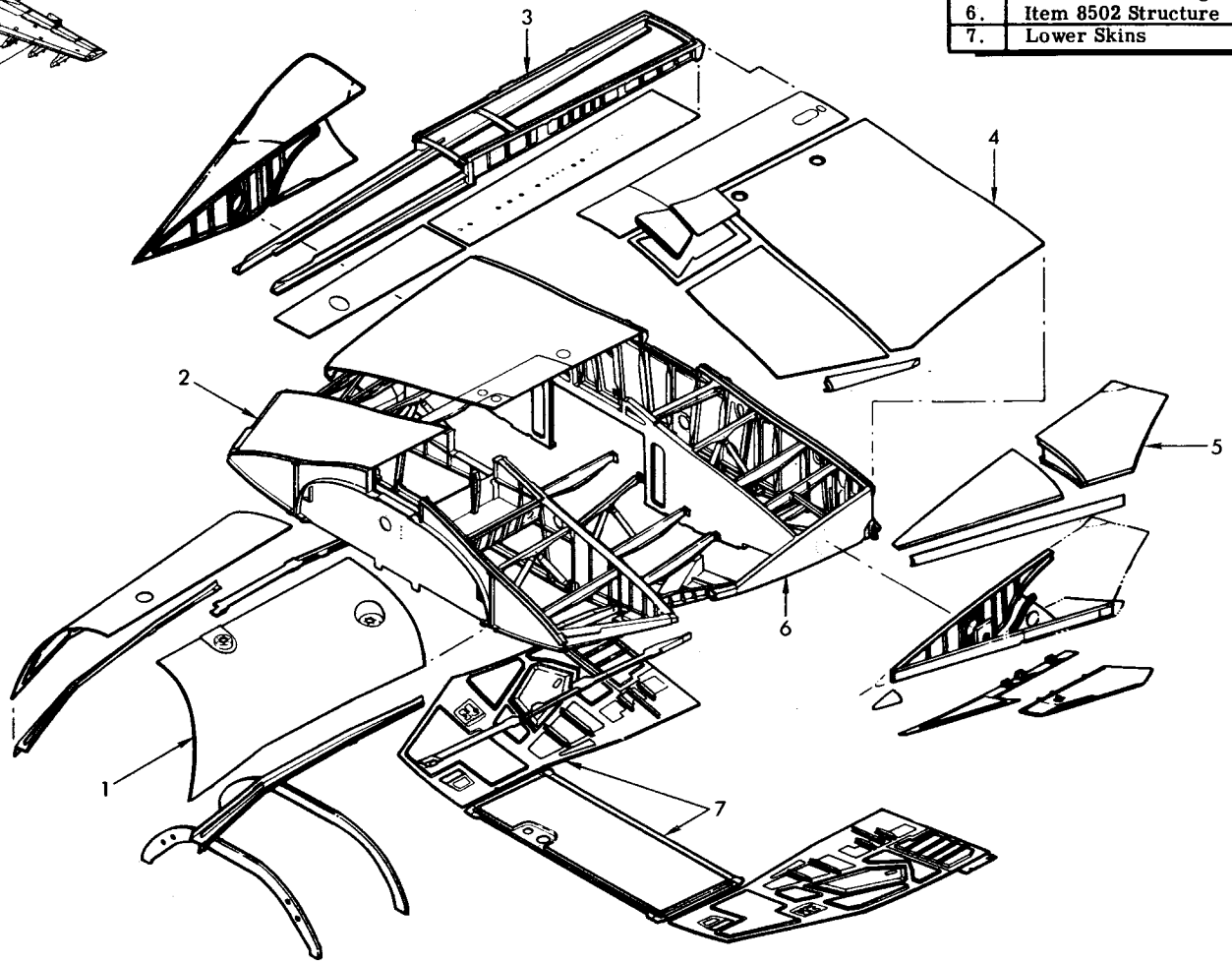
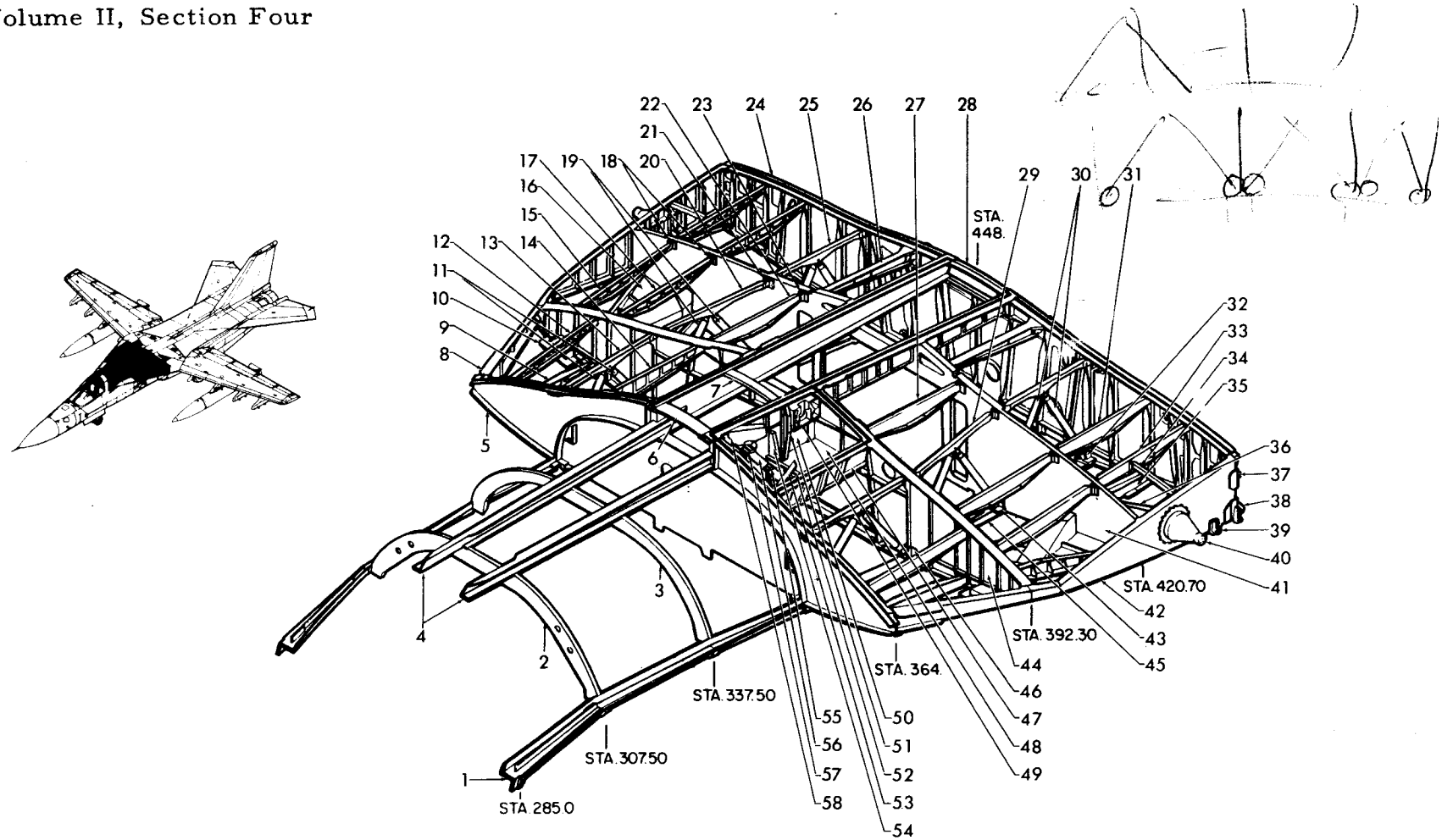


Figure 4-24 GLOVE PRODUCTION BREAKDOWN

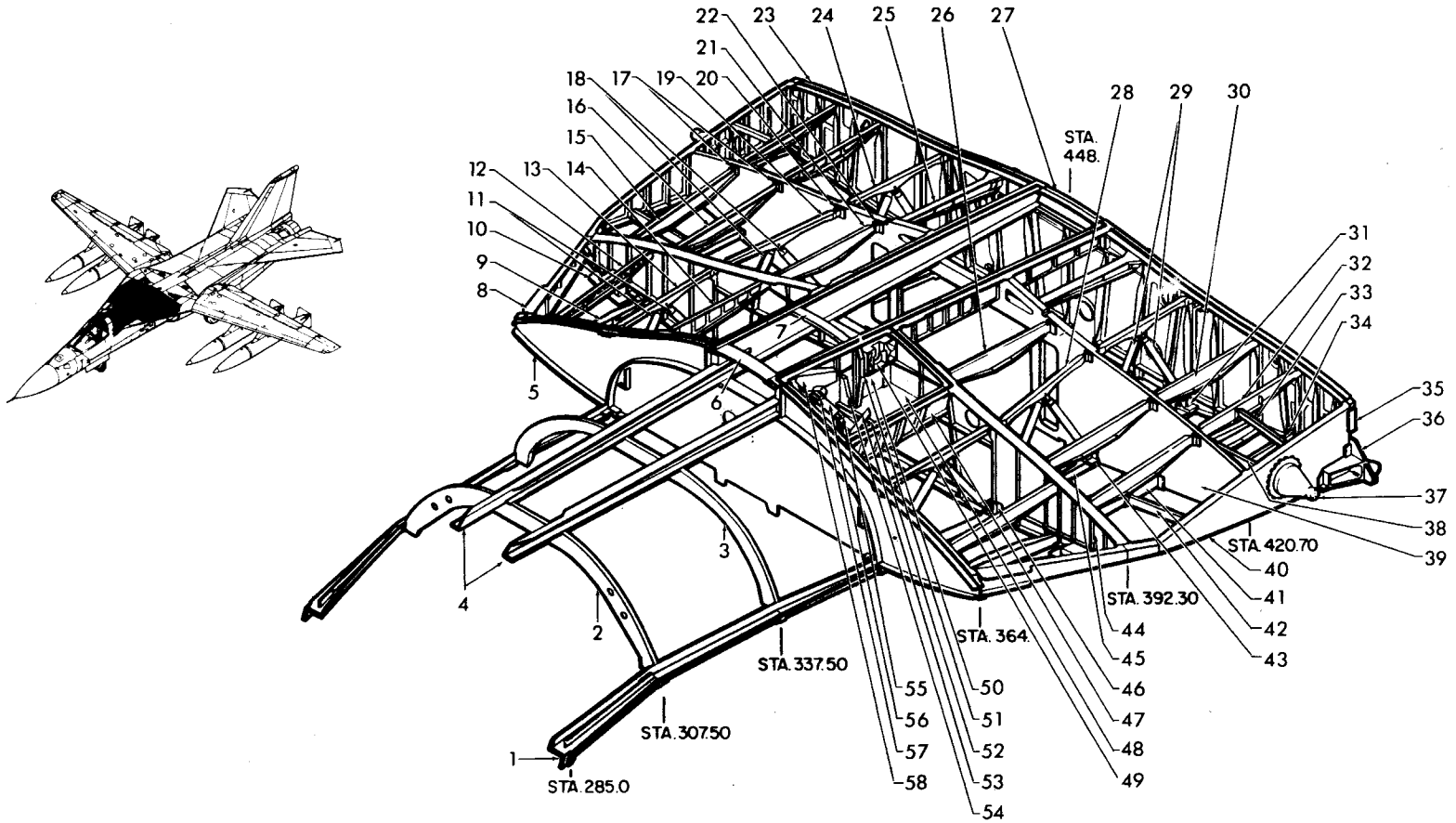
ST-645-48A



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			
7.	12B2745	Frame	25.	12B2795	Beam	42.	12B2770	Bulkhead	PARTS NOT SHOWN		
8.	12B1731	Leading Edge Spar	26.	12B1750	Longeron	43.	12B7728	Truss Bracket		12B8211	Probe Housing
9.	12B2738	Support	27.	12B2742	Support	44.	12B2740	Bulkhead		12B2257	Stiffener
10.	12B7710	Jacking Suppt. and Tie Down	28.	12B2761	Access Cover Support	45.	12B1740	Lower Longeron		12B8267	Support
11.	12B7720	Truss	29.	12B2794	Beam	46.	12B7726	Truss Bracket		12B8265	Bracket
12.	12B2737	Support	30.	12B7722	Truss	47.	12B320	Refuel Beam		12B2284	Stiffener
13.	12B2793	Beam	31.	12B2752	Support	48.	12B301	Refuel Floor		12B2279	Doubler
14.	12B2736	Support	32.	12B7730	Bracket	49.	12P124	Support		12B2288	Support
15.	12B2744	Support	33.	12B2753	Support	50.	12B345	Refuel Beam		12B8261	Plate
16.	12B7715	F.O.D. Frame	34.	12B2756	Support	51.	12B309	Support		12B8268	Filler
17.	12B2743	Support	35.	12B2258	Support	52.	12B303	Beam		12B8275	Support
18.	12B7271	Clips	36.	12B2757	Support	53.	12P337	Side Fitting		12B2283	Support

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

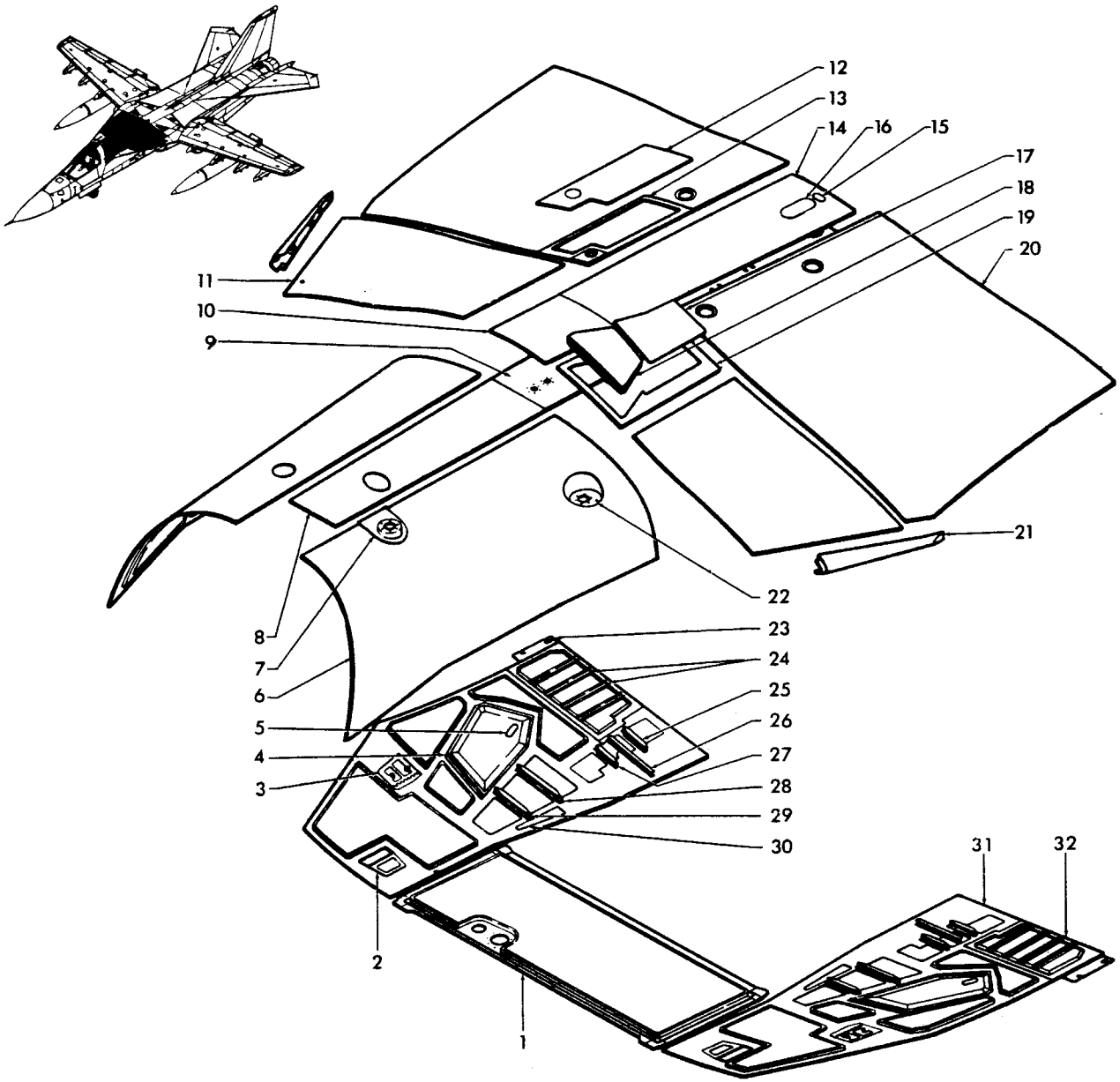
ST-645-44A



1.	12B1610	Longeron-Boom Shear	19.	12B2794	Beam	37.	12B7780	Pivot Shaft-High Lift Glove	55.	12P136	Stop
2.	12B2710	Bulkhead	20.	12B7271	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.	12B7271	Clip	40.	12B2771	Bulkhead	58.	12P323	Side Fitting
5.	12B2703	Bulkhead	23.	12B2765	Bulkhead	41.	12B2721	Support			
6.	12B2735	Frame	24.	12B2795	Beam	42.	12B2722	Support	PARTS NOT SHOWN		
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.	12B2752	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)

ST-645-45A

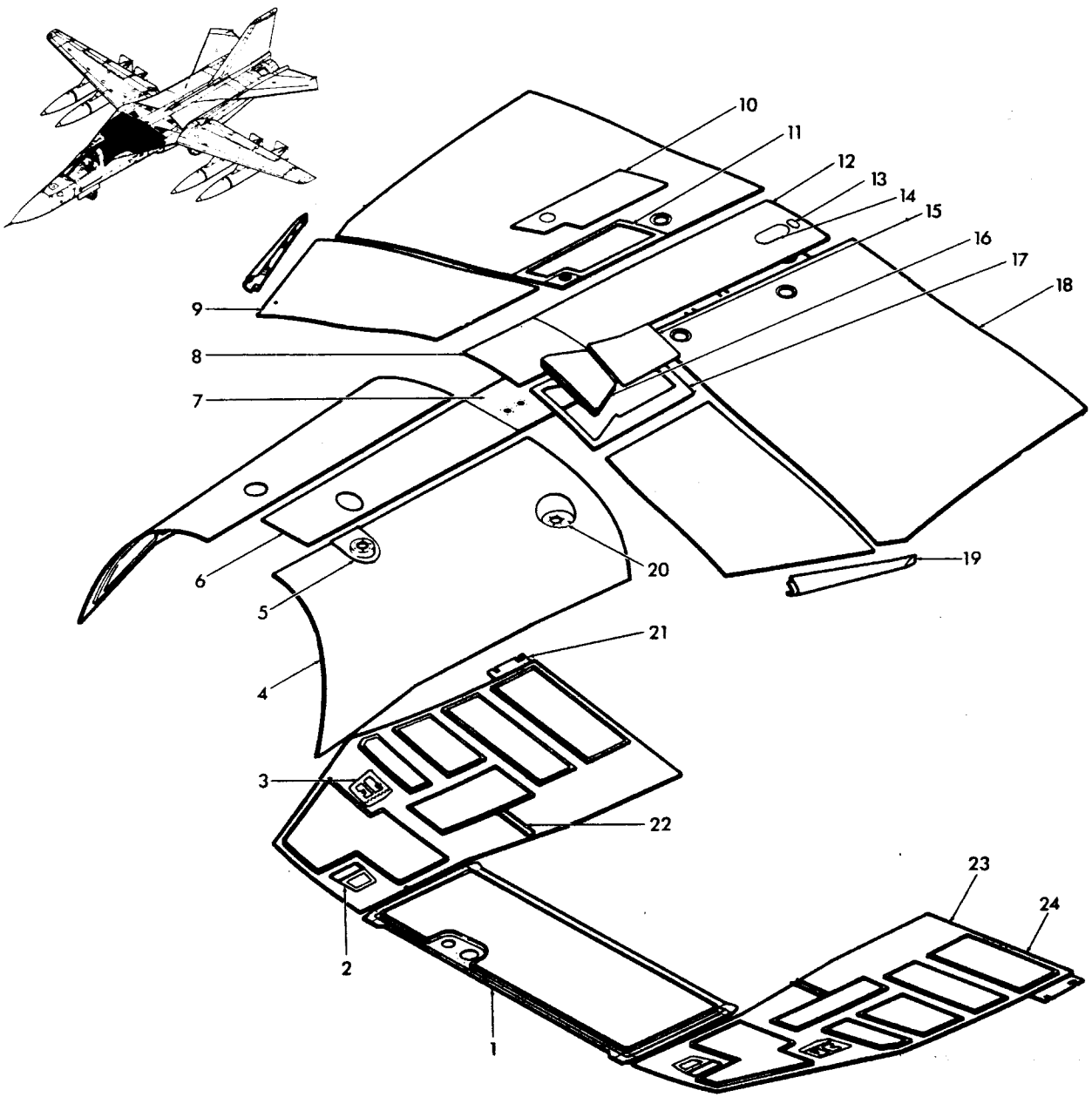


1.	12B4730	Floor - Fuel Tank
2.	12B5740	Cover
3.	12B5730	Jacking & Mooring Door
4.	12B7951	Door-Foreign Object
5.	12B8276	Cover (31-112)
6.	12B3211	Skin
7.	12B7241	Fuel Probe Support
8.	12B4711	Floor Routing Tunnel
9.	12B4710	Floor Routing Tunnel
10.	12B5211	Cover Access
11.	12B3720	Skin
12.	12B5720	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

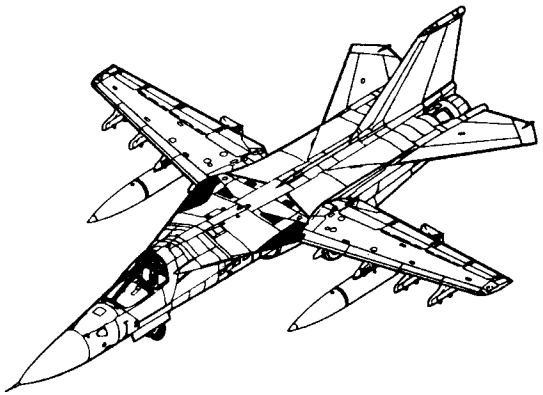
12B8259	Fairing
12B8275	Support

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



1.	12B4730	Floor - Fuel Tank
2.	12B5741	Cover
3.	12B5730	Jacking and Mooring Door
4.	12B3211	Skin
5.	12B7241	Fuel Probe Support
6.	12B4711	Floor Routing Tunnel
7.	12B4710	Floor Routing Tunnel
8.	12B5211	Cover Access
9.	12B3720	Skin
10.	12B5720	Cover Fuel Access
11.	12B7760	Frame Fuel Access Cover
12.	12B5710	Cover Access
13.	12B5215	Cover
14.	12B7203	Cover
15.	12P127	Fairing - Refuel
16.	12P328	Door Slipway
17.	12B335	Cover Refuel Well
18.	12B3725	Upper Skin
19.	12B8223	Leading Edge Fairing
20.	12B7242	Fuel Probe Support
21.	12B8202	Skin - Lower Surface
22.	12B2726	Support
23.	12B3771	Lower Surface Skins
24.	12B3272	Skin

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

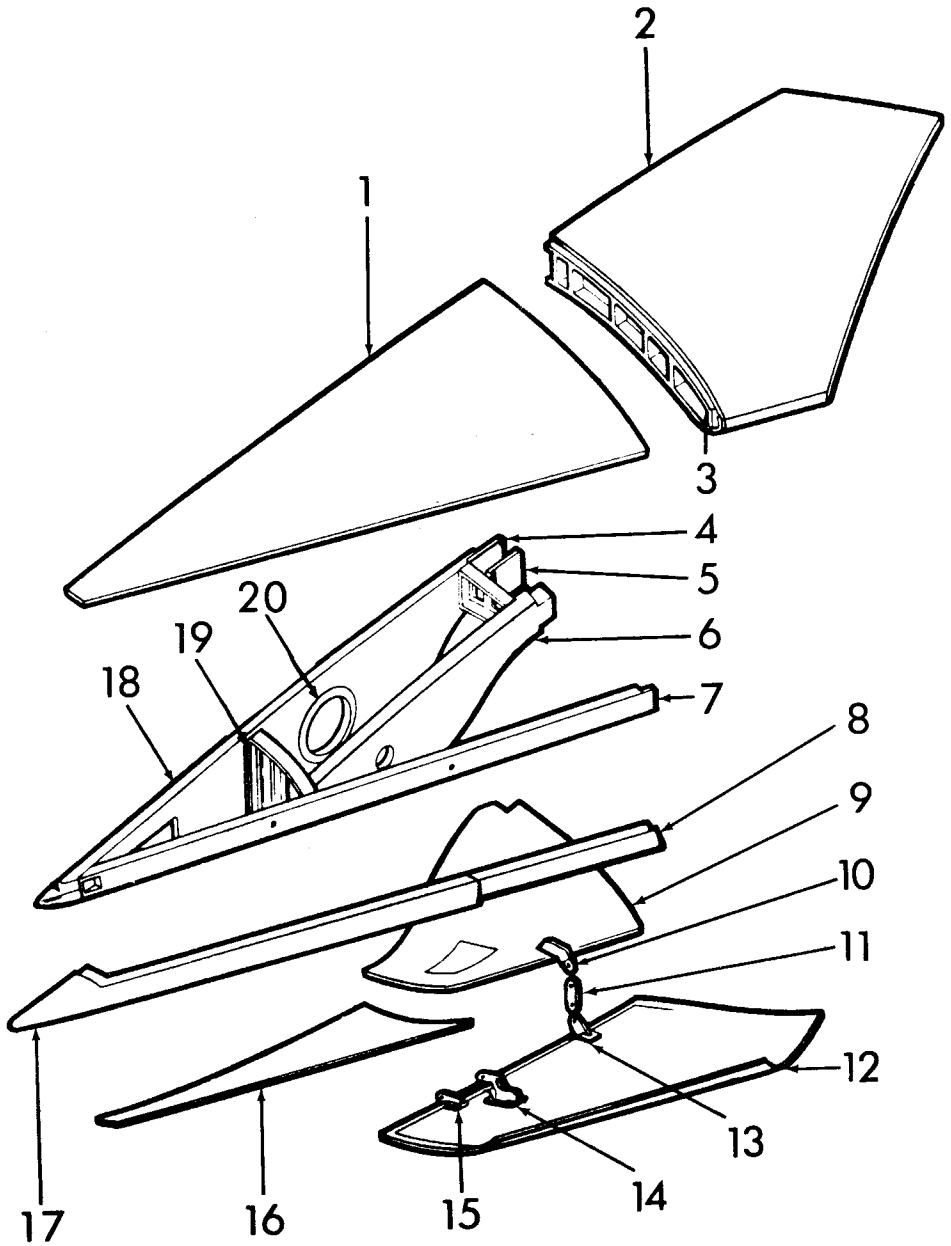
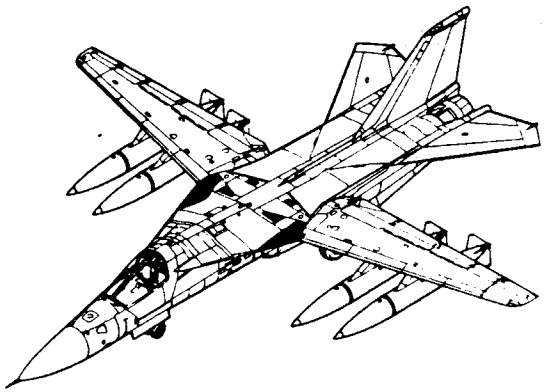


Figure 4-29 F-111A ROTATING GLOVE (TAC 31 thru 159)

ST-686-13A



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

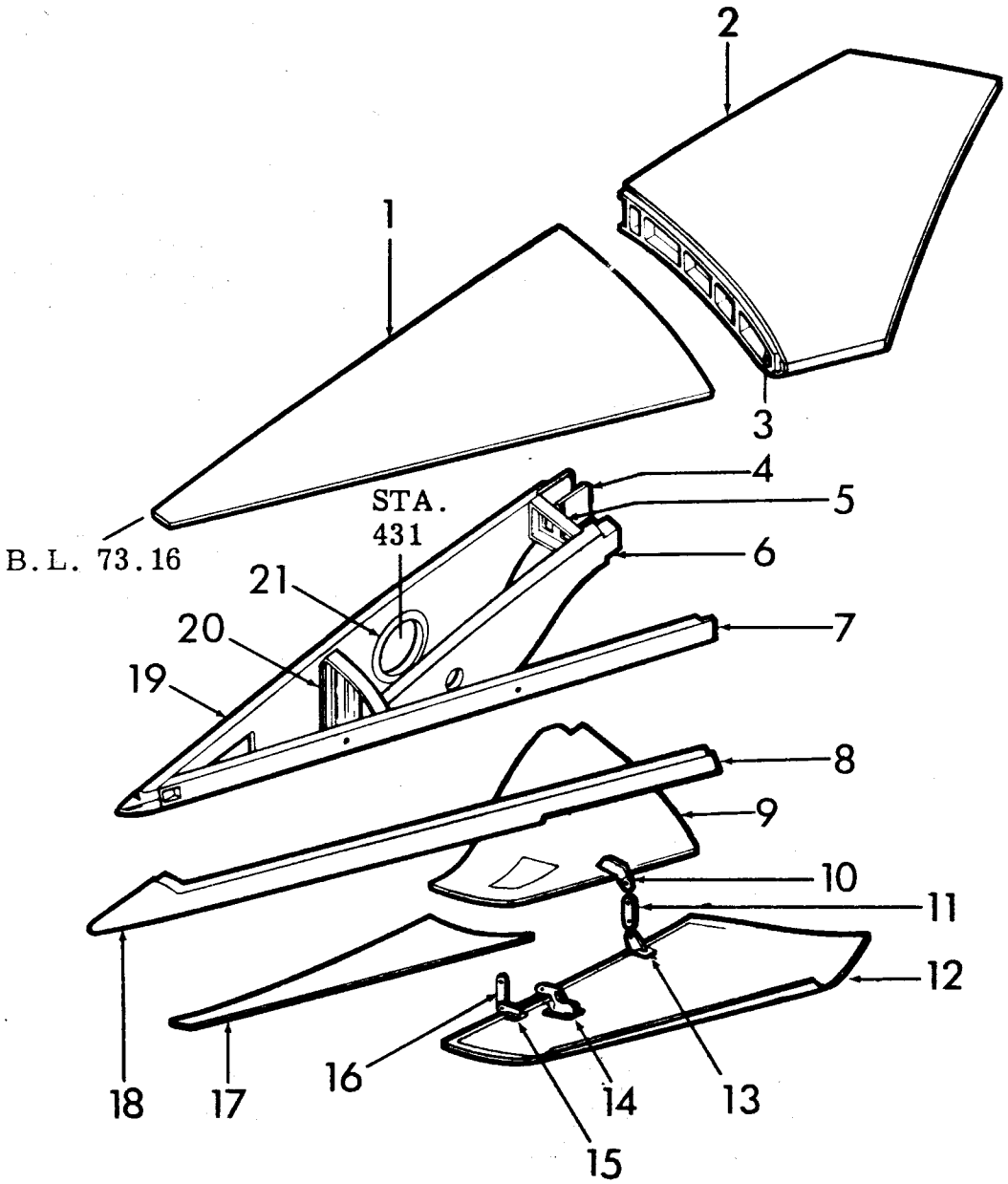
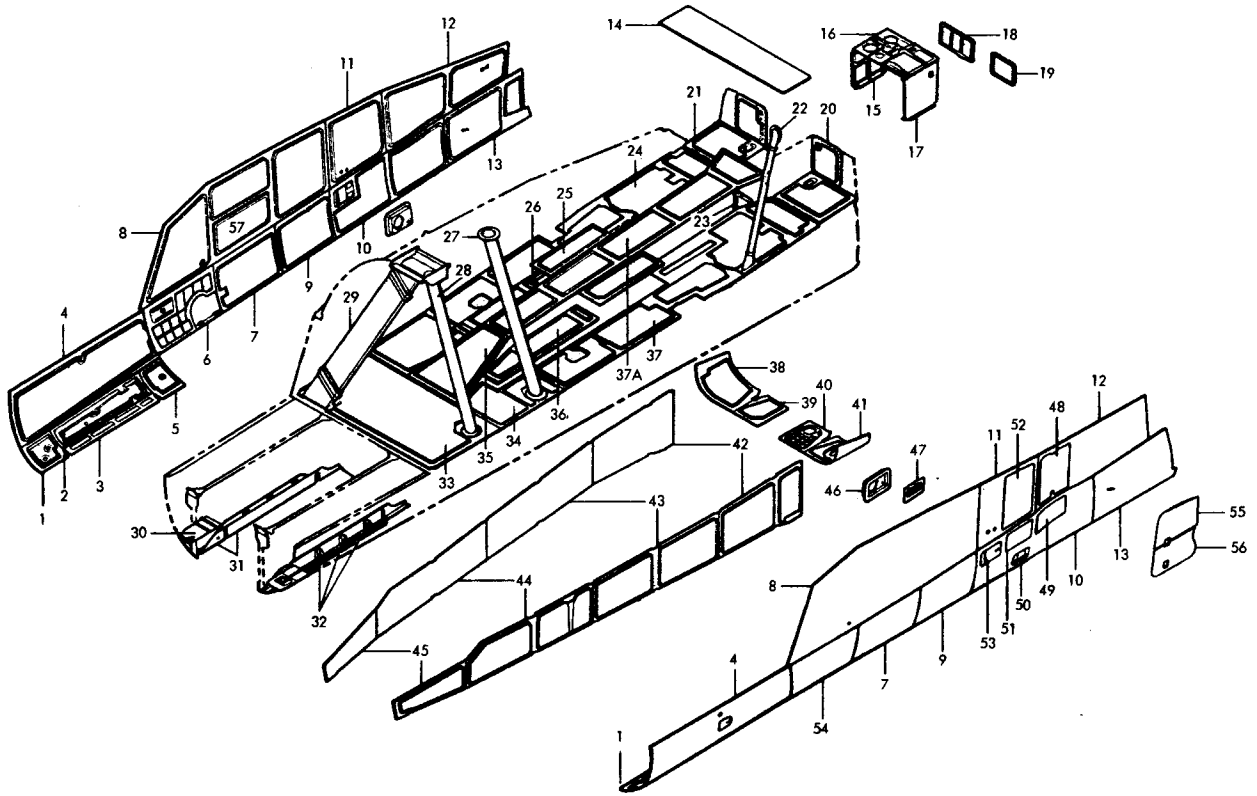
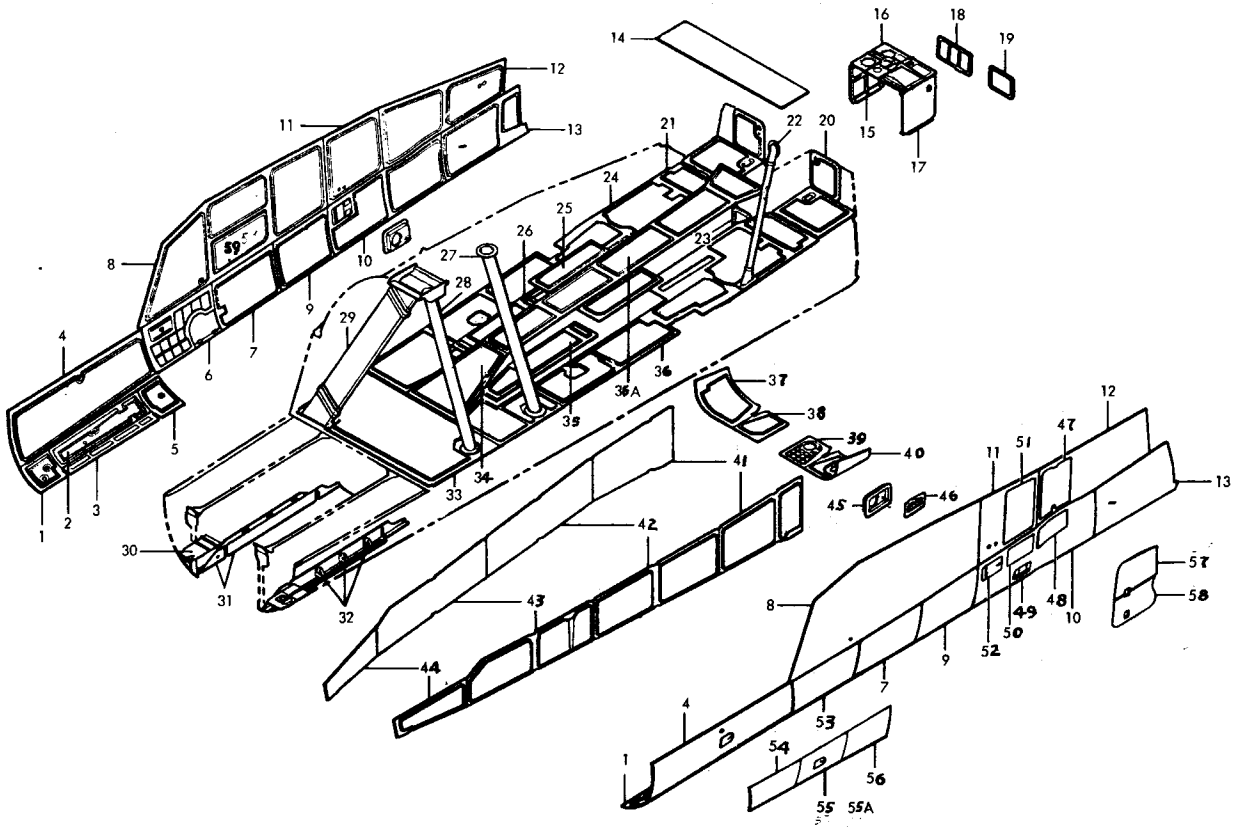


Figure 4-30 ROTATING GLOVE (F-111E: A1 160 and on; FB-111A: B1 3 and on)



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. 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
		23. 12B5640	Door Sta. 460.05	44. 12B3650	W. B. Cover Sta. 378.5 - 307.5
3. 12B3044	Skin - L/R	24. 12B4185	Deck Sta. 307.5 - 460.05 (A1 37-On)	45. 12B7110	Support L/R
4. 12B5053	Cover - RH (B1 3-On)	25. 12B4122	Deck Sta. 307.5 - 402.25 L/R	46. 12B7101	Support
4. 12B5053	Cover - L/R A1 160-On)	26. 12B4120	Deck Sta. 333.47 - 370.8	47. 12B8102	Skin L/R
5. 12B3045	Skin L/R	27. 12B8121	Tube Routing	48. 12B8104	Skin L/R
6. 12B5611	Panel Sta. 278.5 - 307.5	28. 12B8115	Tube Routing	49. 12B5631	Door
7. 12B5615	Cover Sta. 307 - 337	29. 12B8110	Tube Assembly	50. 12B8103	Skin L/R
8. 12B3111	Skin Side Shear Sta. 278 - 364	30. 12B3047	Web Instl. L/R	51. 12B8101	Skin L/R
9. 12B5617	Access Cover Sta. 337 - 364	31. 12B4022	Fairing	52. 12B5630	Door L/R
10. 12B3131	Skin Panel Sta. 364 - 420.7	32. 12B2061	Gussets L/R	53. 12B5610	Access Door Sta. 278.5 - 307
11. 12B3113	Skin Panel Sta. 364 - 392.3	33. 12B4110	Floor Sta. 275 - 307.5	54. 12B5054	Cover L. H. (B1 3-On Only)
12. 12B3121	Skin Panel Sta. 392 - 448	34. 12B4132	Deck Sta. 307.5 - 337.5	55. 12B5055	Cover - L. H. (B1 3-On Only)
13. 12B3640	Skin Panel Sta. 420 - 460	35. 12B4120	Deck Sta. 321.5 - 370.8	55A 12B5057	Access Door - L. H. (B1 3-On Only)
14. 12B4150	Fuel Deck Sta. 448 - 460	36. 12B4182	Deck Sta. 337.5 - 460.05 (A1 37-On)	56. 12B5056	Cover - L.H. (B1 3-On Only)
15. 12B3676	Skin Water Tank	36A 12B4135	Deck Fuel Boundary 337.50 - 460.05	57. 12B8151	Fuselage Fill (B1 3-6; A1 239-On)
16. 12B3670	Panel	37. 12B3683	Skin Sta. 460 - 476	57A 12B8051	Fuselage Fill (A1 160-238; B1 7-33)
17. 12B3673	Skin Water Tank	38. 12B3681	Skin Sta. 460-476	58. 12B8156	Fuselage Fill (B1 3-6; A1 239-On)
18. 12B5646	Cover Sta. 476	39. 12B3682	Skin Sta. 460 - 476	58A 12B8056	Fuselage Fill (A1 160-238; B1 7-33)
19. 12B5647	Cover Sta. 476	40. 12B3680	Skin Sta. 460 - 476	59. 12B5126	Door - RH

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

1.	12B4135	Deck
2.	12B1620	Longeron
3.	12B1645	Longeron
4.	12B1630	Longeron
5.	12B2678	Cheek Blkhd L/R F-111E, FB-111A
6.	12B2666	Cheek Blkhd L/R
7.	12B2159	Splitter Support L/R
8.	12B2655	Cheek Blkhd
9.	12B3660	Skin, Weapons Bay
10.	12B3650	Skin, Weapons Bay
11.	12B1640	Longeron
12.	12B2625	Cheek Blkhd
13.	12B2635	Cheek Blkhd
14.	12B7131	Support, Trapeze F-111A
15.	12B2645	Cheek Blkhd
16.	12B3131	Skin
17.	12B3640	Skin
18.	12B2178	Blkhd L/R F-111A
19.	12B2179	Blkhd L/R F-111A
20.	12B8183	Beam L/R F-111A, FB-111A
21.	12B8181	Beam L/R
22.	12B8147	Fittings L/R F-111A

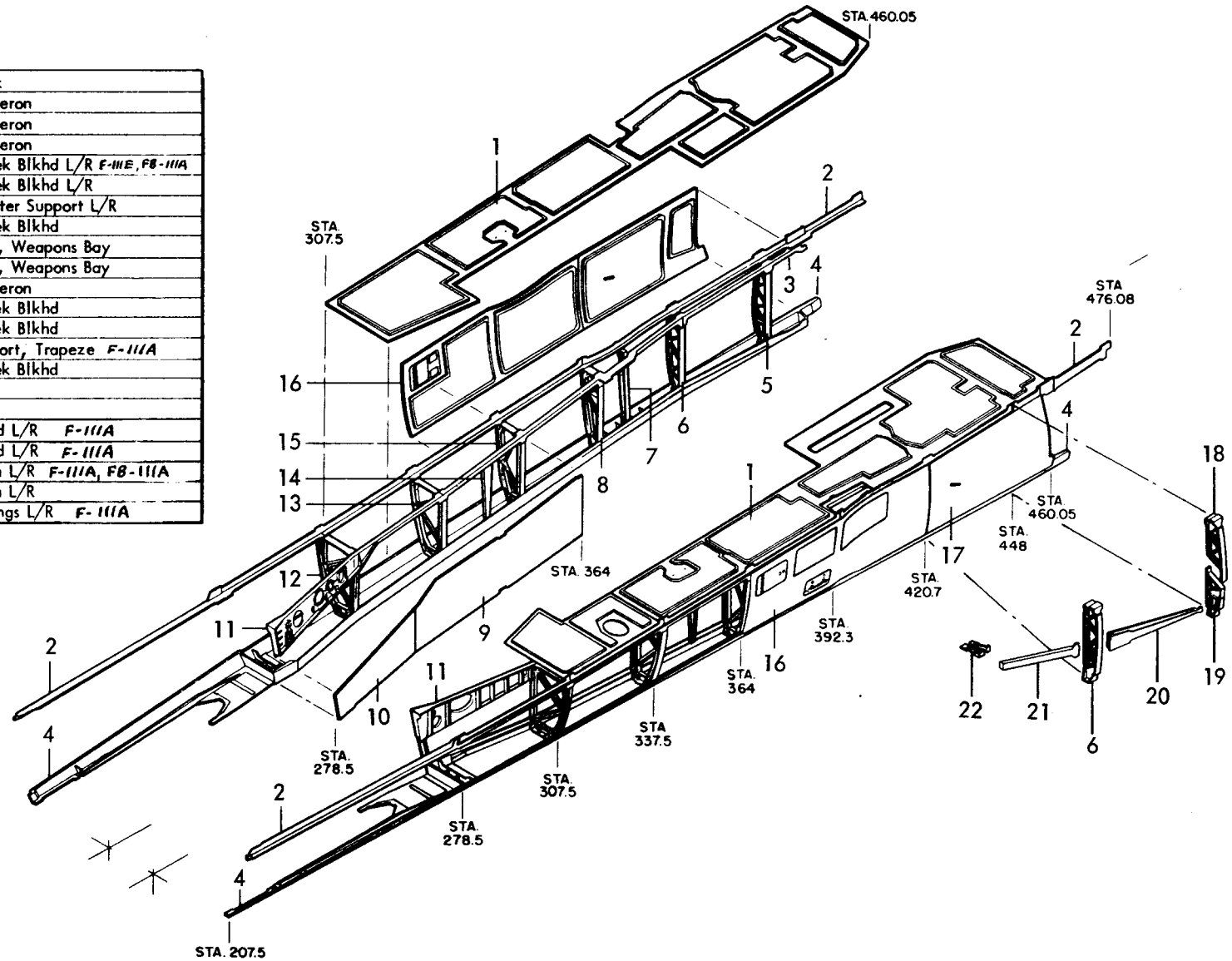
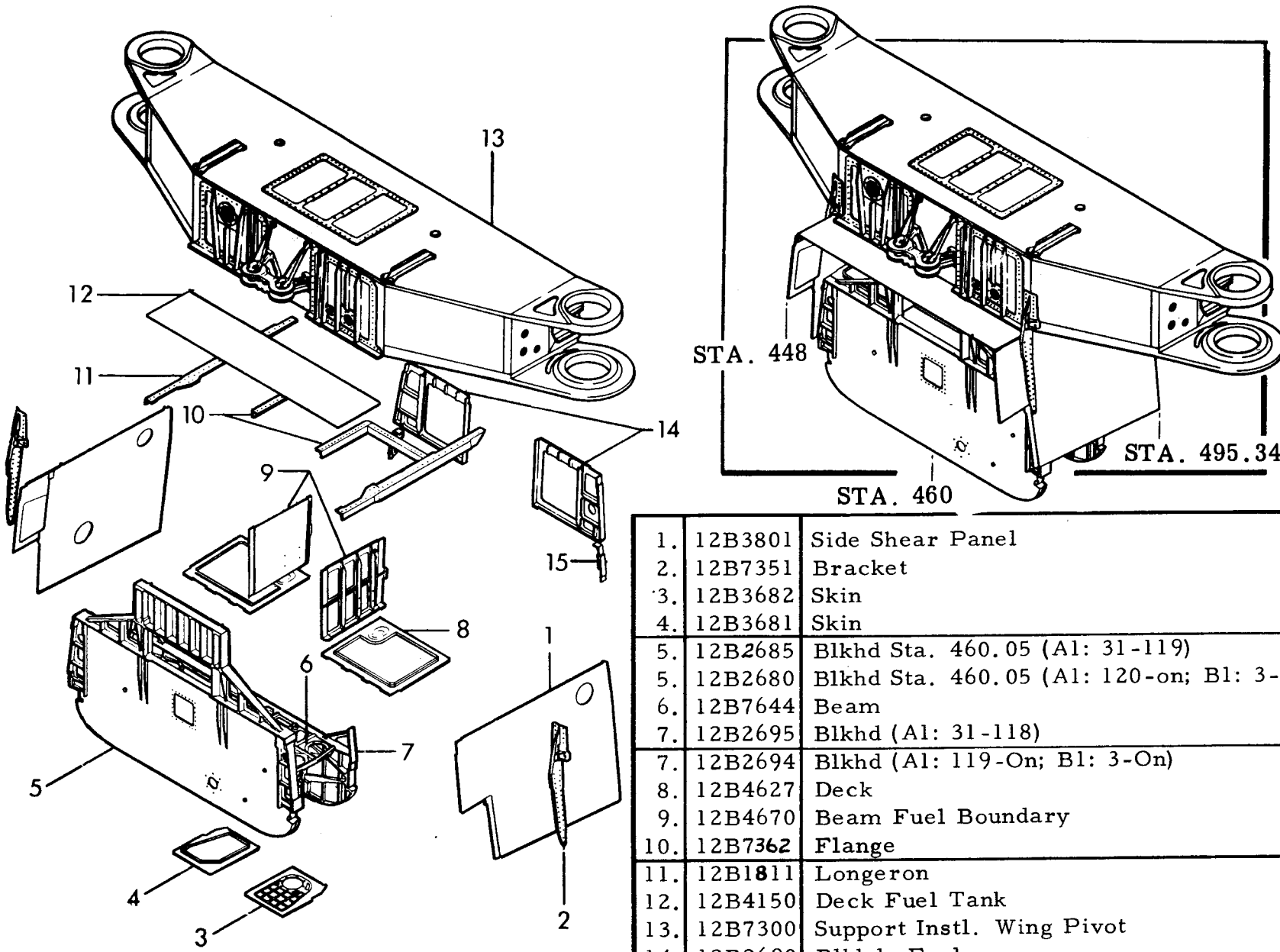
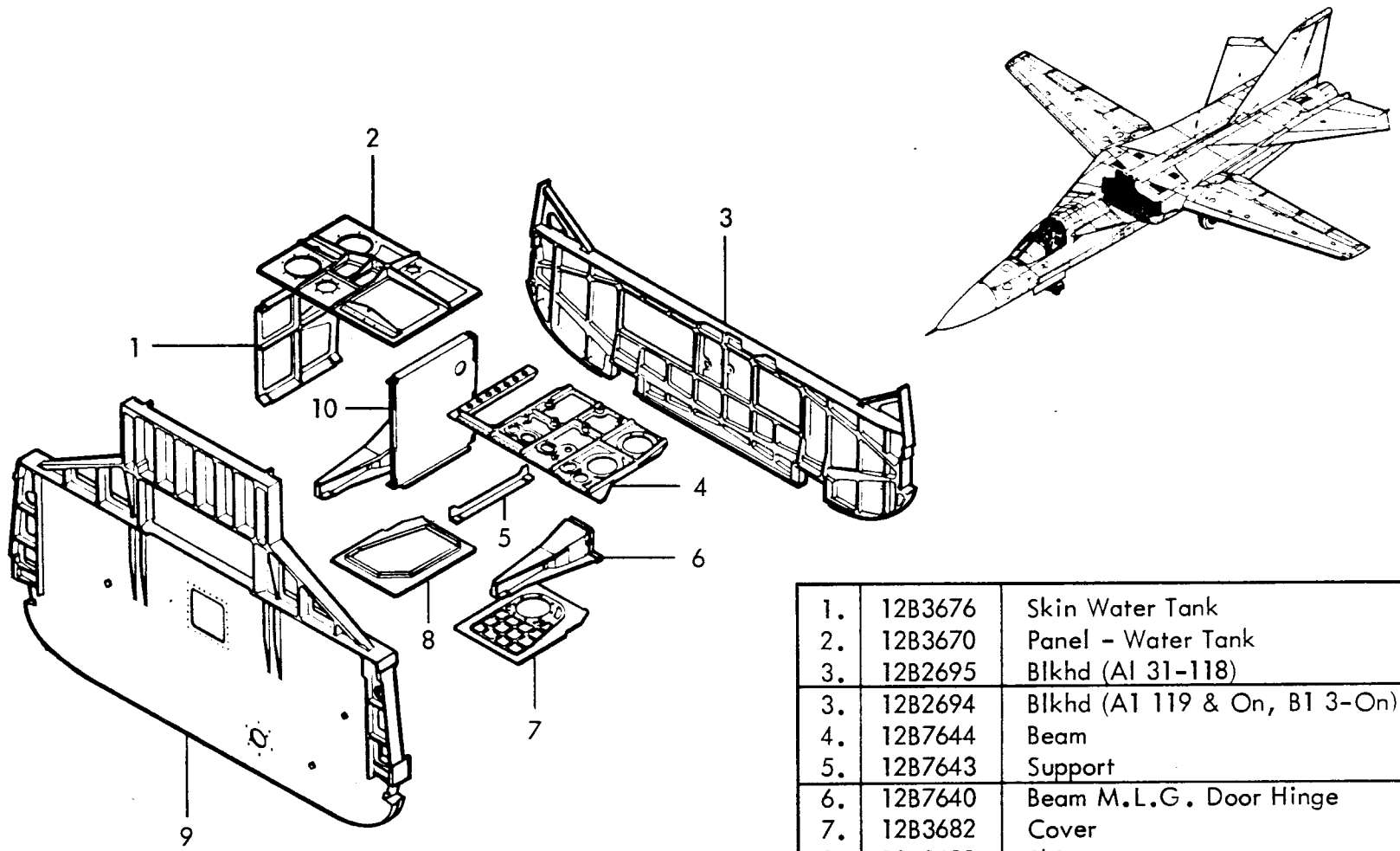


Figure 4-33 FORWARD CENTER FUSELAGE CHEEK ASSEMBLY



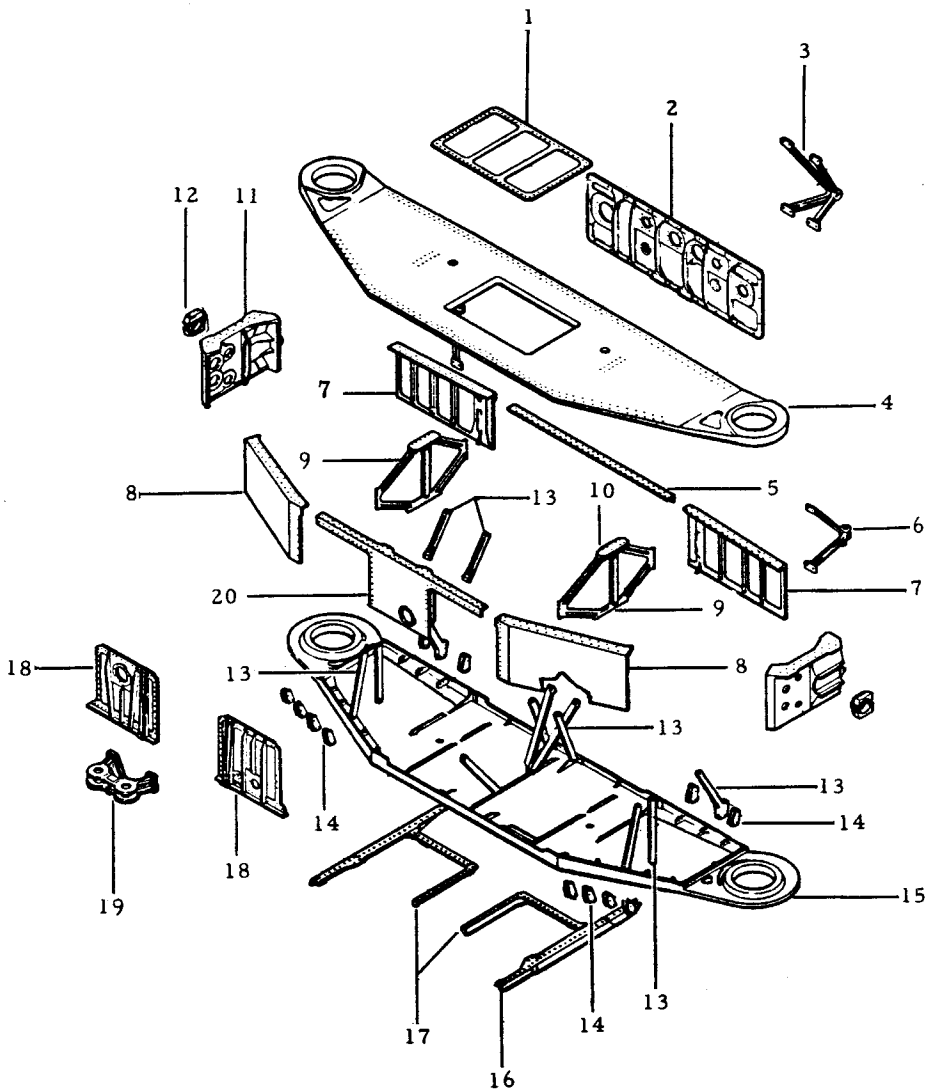
1.	12B3801	Side Shear Panel
2.	12B7351	Bracket
3.	12B3682	Skin
4.	12B3681	Skin
5.	12B2685	Blkhd Sta. 460.05 (A1: 31-119)
5.	12B2680	Blkhd Sta. 460.05 (A1: 120-on; B1: 3-On)
6.	12B7644	Beam
7.	12B2695	Blkhd (A1: 31-118)
7.	12B2694	Blkhd (A1: 119-On; B1: 3-On)
8.	12B4627	Deck
9.	12B4670	Beam Fuel Boundary
10.	12B7362	Flange
11.	12B1811	Longeron
12.	12B4150	Deck Fuel Tank
13.	12B7300	Support Instl. Wing Pivot
14.	12B2690	Blkhd. Fuel
15.	12B2696	Post Blkhd. Canted

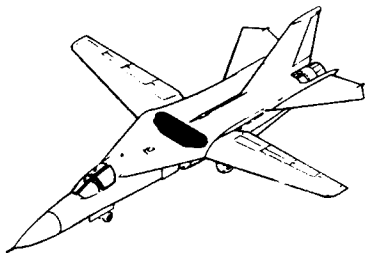
Figure 4-34 FORWARD CENTER FUSELAGE - AFT TANK AND PIVOT SUPPORT



1.	12B3676	Skin Water Tank
2.	12B3670	Panel - Water Tank
3.	12B2695	Blkhd (Al 31-118)
3.	12B2694	Blkhd (A1 119 & On, B1 3-On)
4.	12B7644	Beam
5.	12B7643	Support
6.	12B7640	Beam M.L.G. Door Hinge
7.	12B3682	Cover
8.	12B3681	Skin
9.	12B2685	Bulkhd (A1: 31-119; B1: 3 only)
9.	12B2686	Bulkhd (A1: 120 & On; B1: 4 & On)
10.	12B3673	Skin

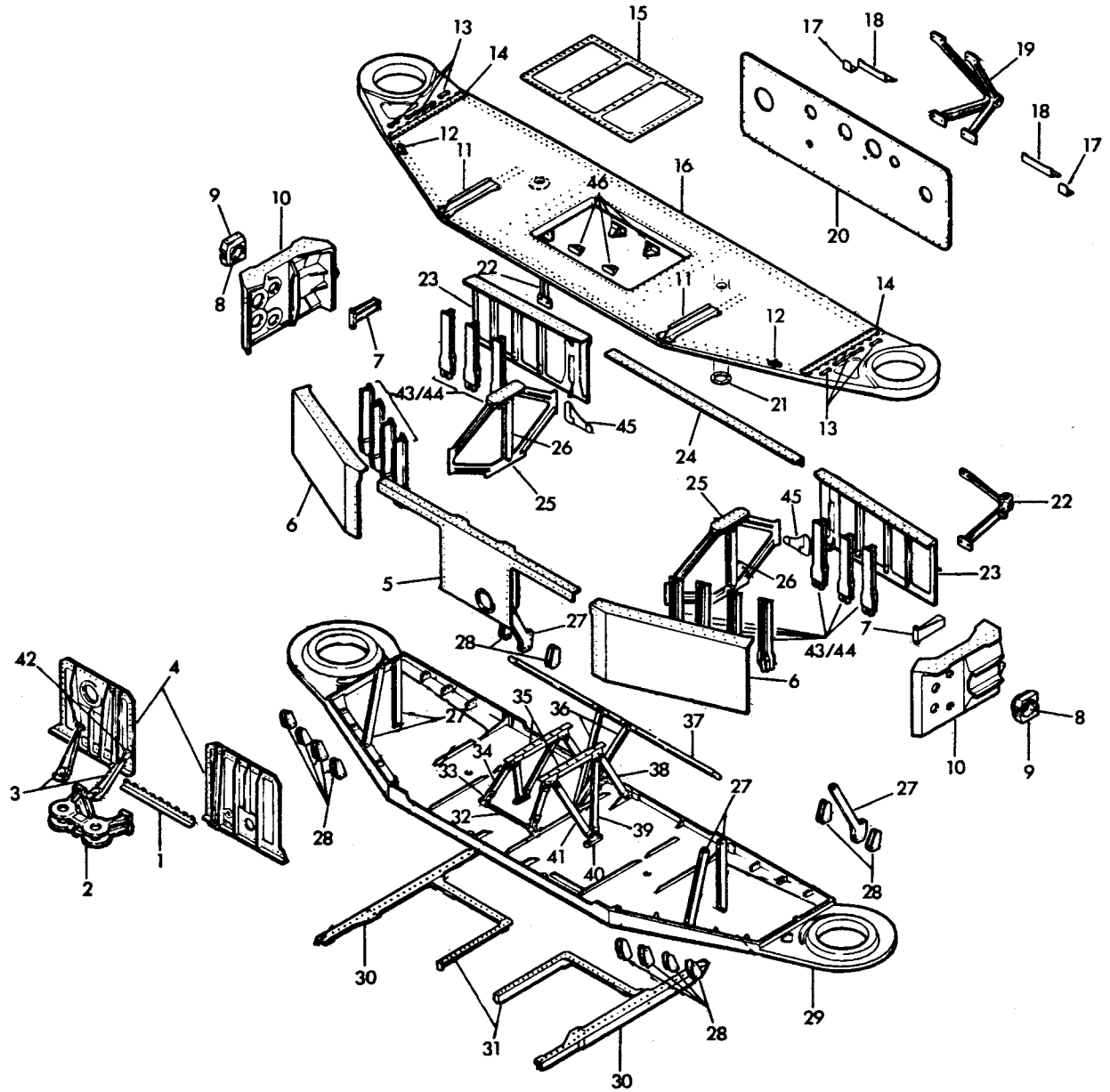
Figure 4-35 FORWARD CENTER FUSELAGE AFT TANK SUBASSEMBLY

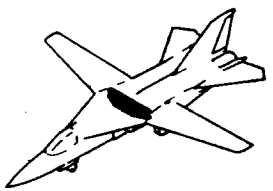




	12B7300	Installation
	12B7310	Assembly
1.	12B7332	Access Cover
2.	12B7333	Web
3.	12B7354	Speed Brake Bracket
4.	12B7311	Upper Cap
5.	12B7342	Aft Attach Angle
6.	12B7356	Pylon Actuator Bracket L/H
6.	12B7357	Pylon Actuator Bracket L/H
6.	12B7358	Pylon Actuator Bracket L/H
7.	12B7314	Aft Panel L/H
8.	12B7315	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

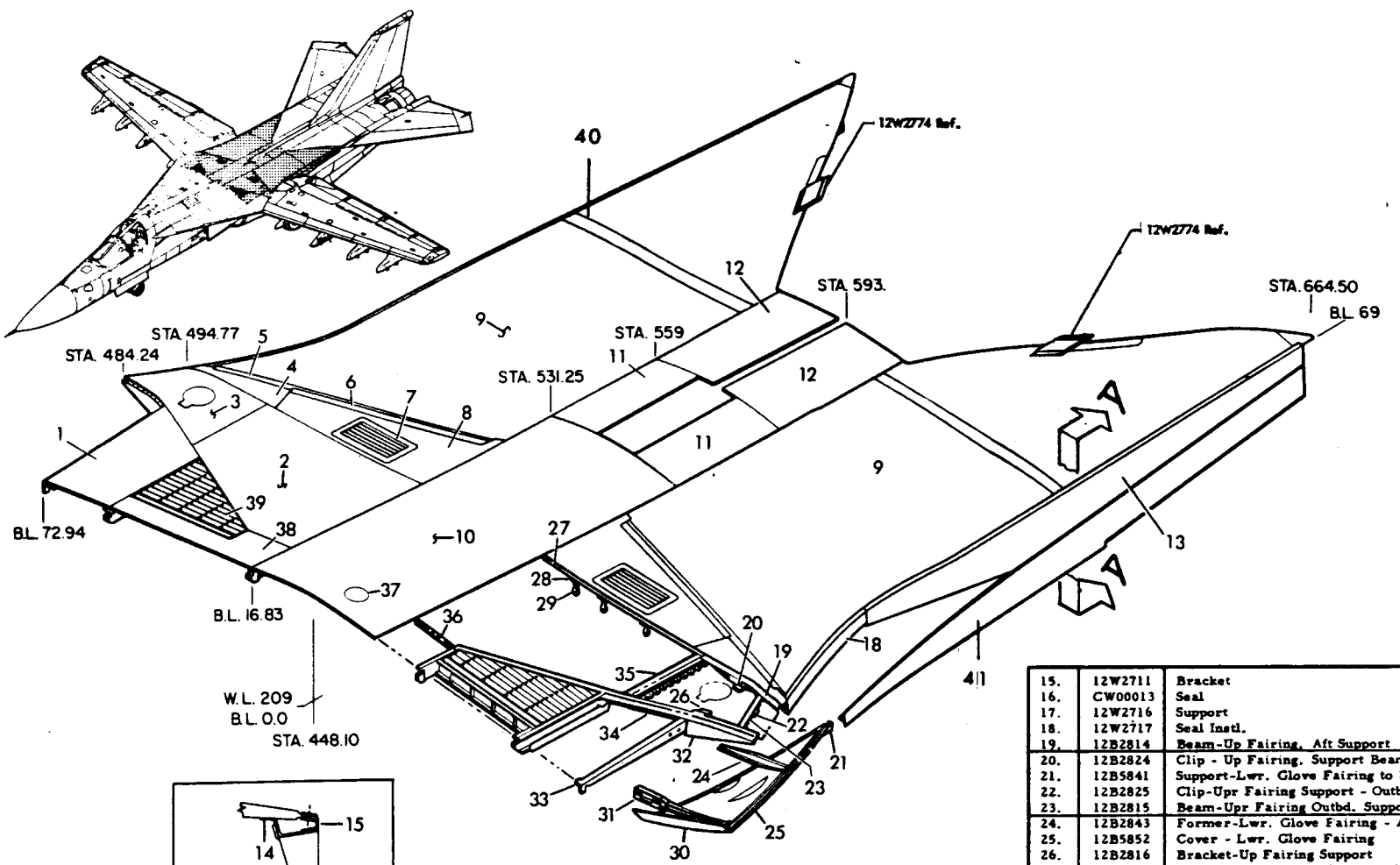
Figure 4-36 WING PIVOT SUPPORT ASSEMBLY (F-111A: 31-159 FB-111A: 3-6)





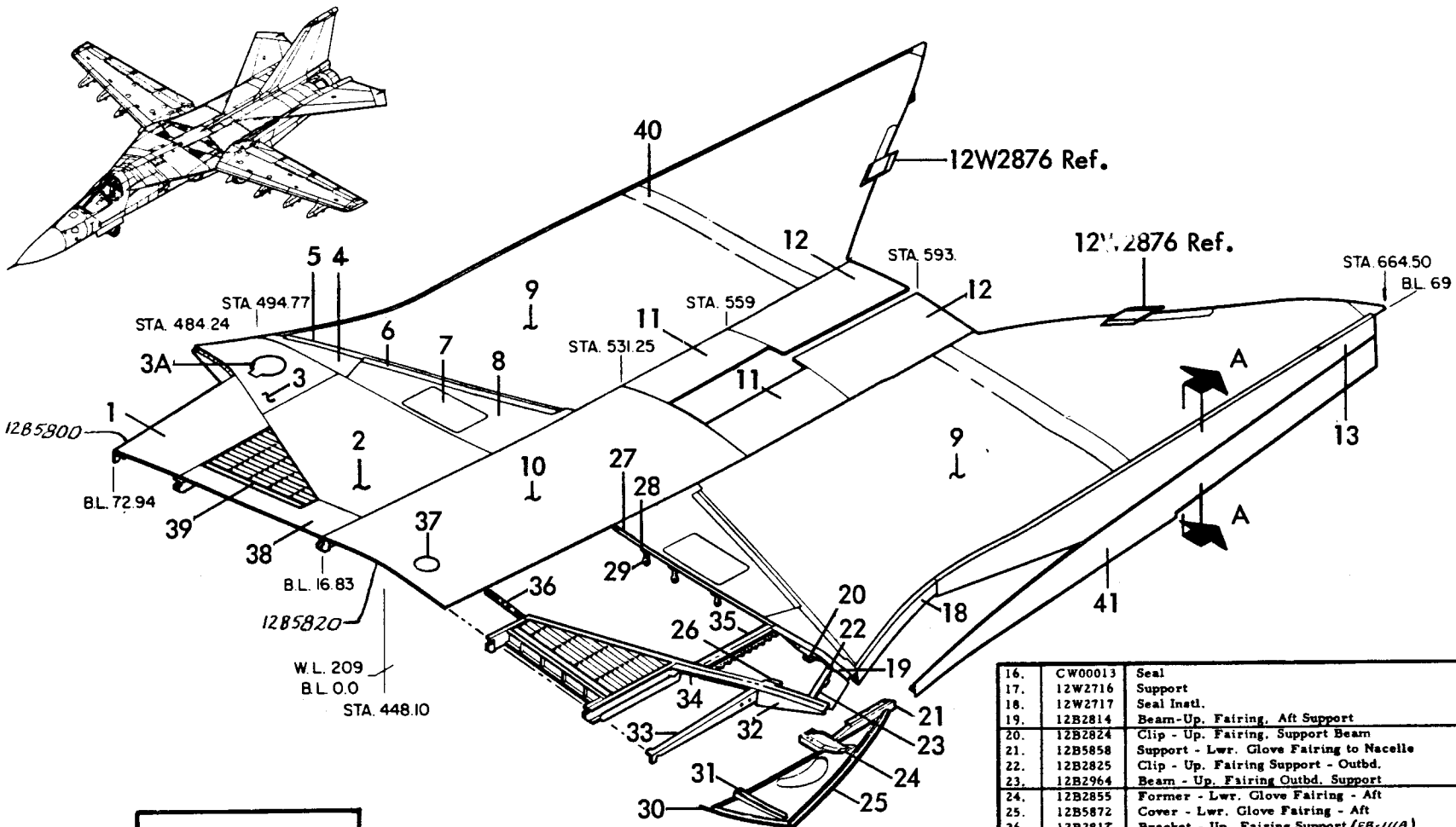
		12B7300 INSTALLATION 12B7301 ASSEMBLY
1.	12B7334	Flange
2.	12B7323	Actuator Fitting
3.	12B7378	Brace
4.	12B7331	Fwd. Access Door
5.	12B7318	Actuator Support Bhd.
6.	12B7315	Fwd. Panel
7.	12B7366	Support
8.	12W413	Receptacle
9.	12B7355	Retainer
10.	12B7313	Outbd. Shear Panel
11.	12B7377	Beam
12.	12B2826	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)



1.	12B5813	Cover-Glove Up, Outbd., Sta. 448.16
2.	12B5814	Cover Assy. - Glove, Up. BL 16.8-60.2
3.	12B5815	Cover Assy. -Glove, Up. Outbd.
4.	12W2741	Cover Instl. - Outbd. Access-O/W Fairing
5.	12W2720	Seal Strip - O/W Fairing
6.	12W2740	Closure - Cover, Inbd. Access, O/W Fairing
7.	12W2771	Plate - Close out, Assy of
8.	12W2740	Cover Instl., Inbd. Access, O/W Fairing
9.	12W2720	Fairing Instl., O/W Fairing
10.	12B5821	Cover Instl., - Glove Up Ctr. - Sta. 448-532
11.	12B5822	Cover Instl., - Glove Up Ctr. - Sta. 532-559
12.	12B5823	Cover Instl., - Glove Up Ctr. - Sta. 559 - 593
13.	12W2710	Upper Seal Instl.
14.	12W2711	Support
15.	12W2711	Bracket
16.	CW00013	Seal
17.	12W2716	Support
18.	12W2717	Seal Instl.
19.	12B2814	Beam-Up Fairing, Aft Support
20.	12B2824	Clip - Up Fairing, Support Beam
21.	12B5841	Support-Lwr. Glove Fairing to Nacelle
22.	12B2825	Clip-Upr Fairing Support - Outbd.
23.	12B2815	Beam-Upr Fairing Outbd. Support
24.	12B2843	Former-Lwr. Glove Fairing - Aft
25.	12B5852	Cover - Lwr. Glove Fairing
26.	12B2816	Bracket-Up Fairing Support
27.	12B5814	Strip - Cover, Glove Upr. BL 16.8-60.2
28.	12B2822	Bracket - Up Glove Support
29.	12B2821	Support O/W Fairing to Wing Pivot Support
30.	12B5847	Seal - Lwr., Glove Fairing, Fwd.
31.	12B2841	Former - Lwr. Glove Fairing
32.	12B2823	Seal - Upper Glove Fairing, Fwd.
33.	12B2813	Beam - Upper Fairing Suppt., B. L. 73
34.	12B2811	Beam - Upper Fairing, Fwd. Support
35.	12B2819	Hinge Half-O/W Fairing Attach - B. L. 60
36.	12B5814	Strip - Cover, Glove Upr., B.L. 16-60
37.	C123-3	Light
38.	12B5811	Cover Assy. - Glove, Upr., B.L. 16.96 - 55.6
39.	12P7150	Duct Instl., Spike Bleed Exit
40.	12W2720	Strap
41.	12W2715	Lower Seal Installation

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

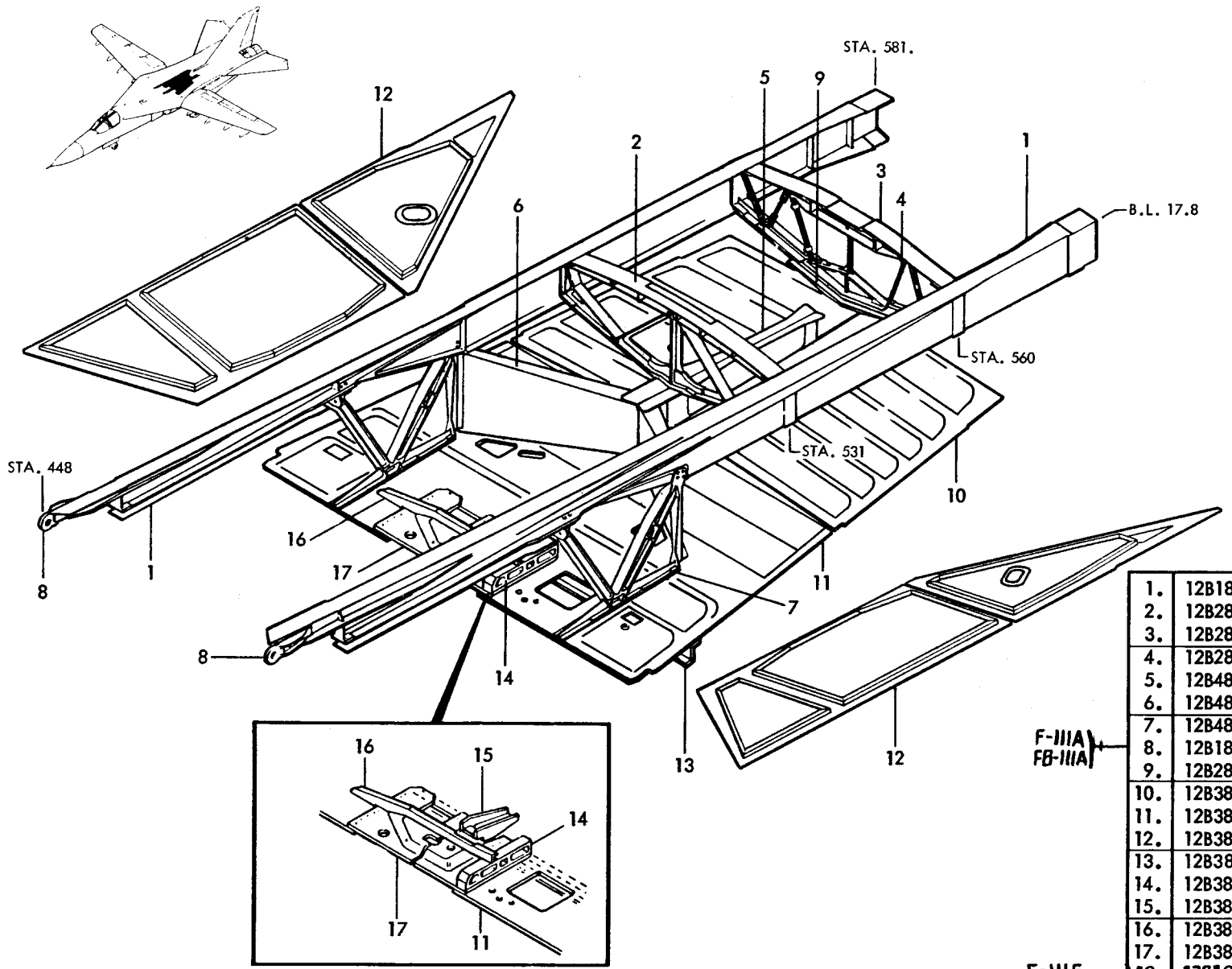


1.	12B5813	Cover - Glove Up., Outbd., Sta. 448.16
2.	12B5814	Cover Assy. - Glove, Up. BL 16.8-60.2
3.	12B5815	Cover Assy. - Glove, Up. Outbd.
3A.	12B5816	Cover Assy. - Pivot Pin Access, Up.
4.	12W2741	Cover Instl. - Outbd. Access-O/W Fairing
5.	12W2720	Seal Strip - O/W Fairing
6.	12W2740	Closure - Cover, Inbd. Access, O/W Fairing
7.	12W2771	Plate, Close Out, Assy. of
8.	12W2740	Cover Instl., Inbd. Access, O/W Fairing
9.	12W2720	Fairing Instl., O/W Fairing
10.	12B5821	Cover Instl., - Glove Up. Ctr. - Sta. 448-532
11.	12B5822	Cover Instl., - Glove Up. Ctr. - Sta. 532-559
12.	12B5823	Cover Instl., - Glove Up. Ctr. - Sta. 559-593
13.	12W2710	Upper Seal Instl.
14.	12W2711	Support
15.	12W2711	Bracket

16.	CW00013	Seal
17.	12W2716	Support
18.	12W2717	Seal Instl.
19.	12B2814	Beam-Up. Fairing, Aft Support
20.	12B2824	Clip - Up. Fairing, Support Beam
21.	12B5858	Support - Lwr. Glove Fairing to Nacelle
22.	12B2825	Clip - Up. Fairing Support - Outbd.
23.	12B2964	Beam - Up. Fairing Outbd. Support
24.	12B2855	Former - Lwr. Glove Fairing - Aft
25.	12B5872	Cover - Lwr. Glove Fairing - Aft
26.	12B2817	Bracket - Up. Fairing Support *(FB-111A)*
27.	12B5814	Strip - Cover, Glove Up. BL 16.8-60.2
28.	12B2973	Bracket - Up. Glove Support
29.	12B2971	Support - O/W Fairing to Wing Pivot Support
30.	12B5873	Seal - Lwr., Glove Fairing, Fwd.
31.	12B2854	Former - Lwr. Glove Fairing
32.	12B2853	Seal - Upper Glove Fairing, Fwd.
33.	12B2813	Beam - Upper Fairing Suppt., B.L. 73 (B1: 3-6)
33.	12B2968	Beam - Upper Fairing Suppt., B.L. 73 (B1: 7-On)
34.	12B2811	Beam - Upper Fairing, Fwd. Support
35.	12B2819	Hinge Half - O/W Fairing Attach. - B.L. 60
36.	12B5814	Strip - Cover, Glove Up., B.L. 16-60
37.	C123-3	Light
38.	12B5811	Cover Assy. - Glove, Up., B.L. 16.96 - 55.6
39.	12P12210	Duct Instl., Spike Bleed Exit
40.	12W2720	Strap
41.	12W2715	Lower Seal Installation

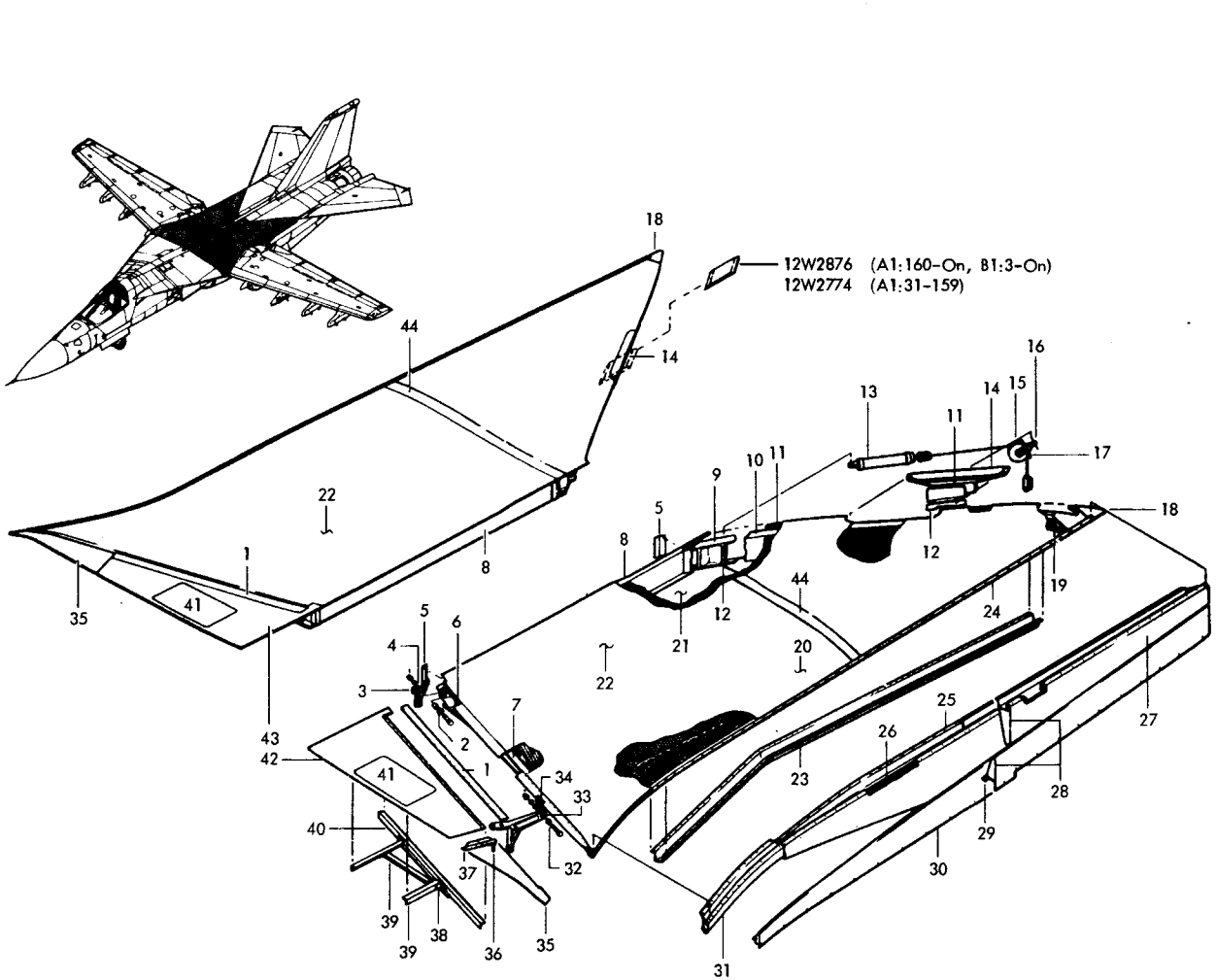
Figure 4-37A UPPER FUSELAGE PANELS AND OVERWING FAIRINGS
F-111E (A1:160 & On); FB-111A:3 & On

ST-763-49A



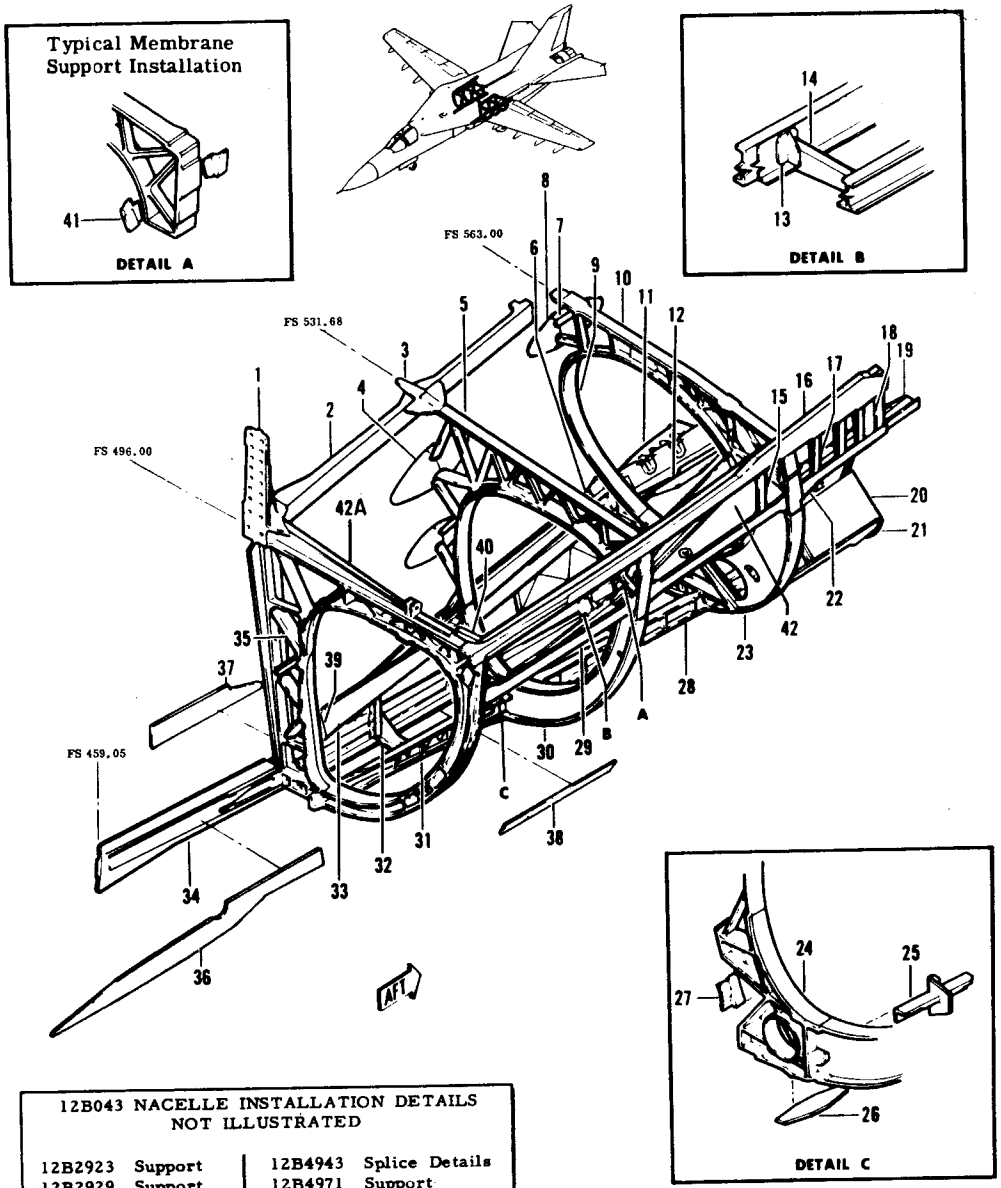
1.	12B1891	Longeron
2.	12B2893	Truss
3.	12B2894	Truss
4.	12B2805	Support
5.	12B4811	Longeron
6.	12B4802	Intercostal
7.	12B4801	Truss
8.	12B1895	Support
9.	12B2896	Strap
10.	12B3812	Skin
11.	12B3811	Skin
12.	12B3821	Deck
13.	12B3815	Stiffener
14.	12B3820	Beam
15.	12B3828	Support
16.	12B3813	Stiffener
17.	12B3819	Web
18.	12B1897	SUPPORT

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

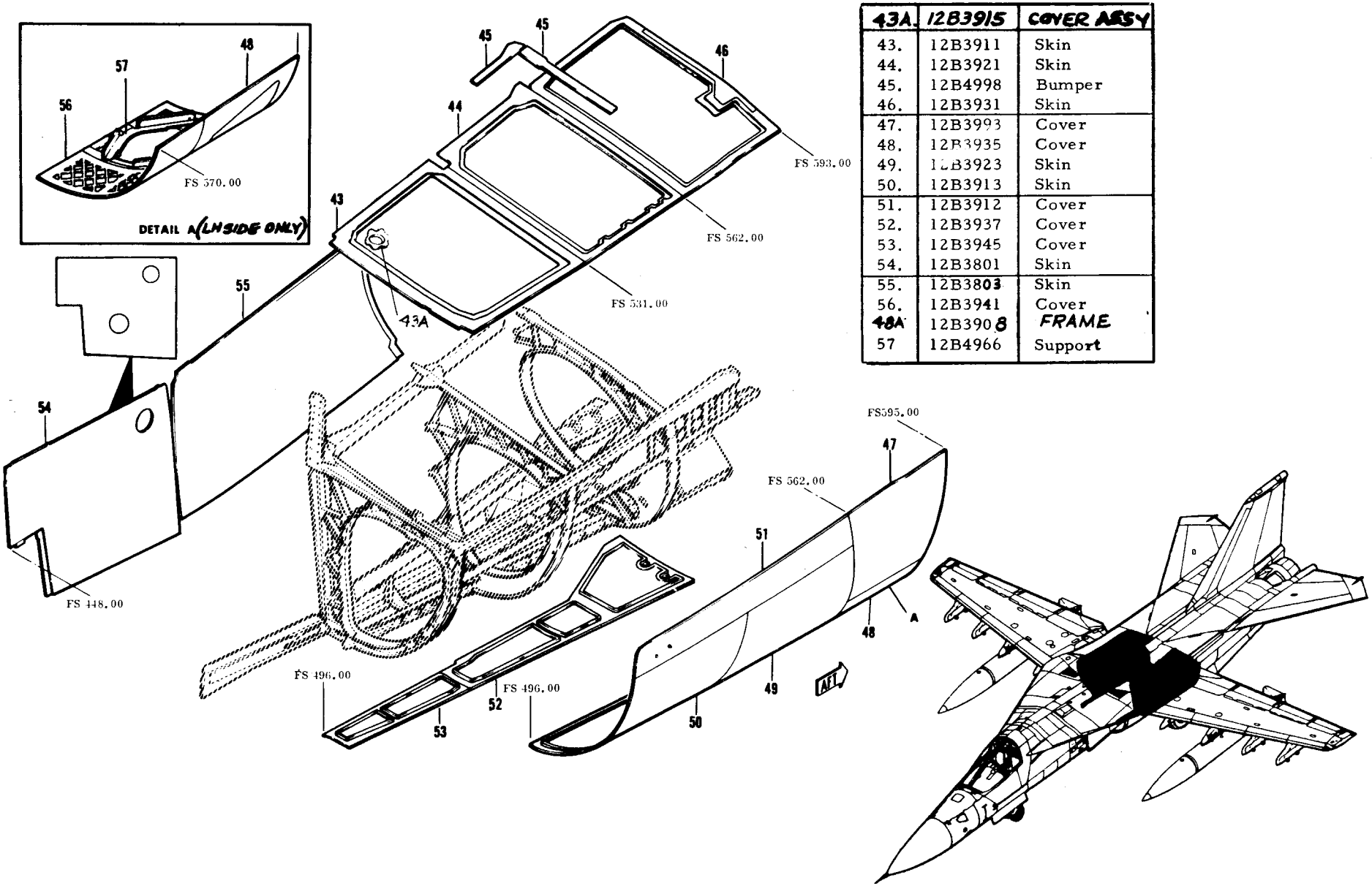


1.	12B2910	Former Assembly
	12B2906	Fairing Details
	12B2907	Inboard Former
	12B2908	Outboard Former
	12B2909	Lower Former
2.	12B1841	Longeron
3.	12B4917	Plate
4.	12B7924	Fairing
5.	12B2921	Former
6.	12B4911	Beam Installation
	12B4951	Splice Details
	12B4988	Support
7.	12B2936	Support
8.	12B7935	Fairing
9.	12B2933	Splice
10.	12B2931	Former
11.	12B7940	Beam Installation
	12B4921	Beam Assembly
	12B4952	Splice Support
	12B4969	Splice
	12B4981	Bracket
	12B7936	Support
12.	12B4964	Support
13.	12B7923	Support
14.	12B7923	Support
15.	12B4996	Stiffeners
16.	12B1905	Longeron
17.	12B4996	Stiffener
18.	12B4997	Stiffener
19.	12B7904	Support (TAC 31-49)
20.	12B4937	Beam Assembly
21.	12B4953	Splice
22.	12B4927	Splice
23.	12B2932	Former
24.	12B4929	Splice
25.	12B4919	Splice
26.	12B4927	Splice
27.	12B4986	Support
28.	12B4922	Beam
29.	12B1910	Longeron Assembly
30.	12B2922	Former
31.	12B4912	Beam
	12B4916	Splice Details
32.	12B7921	Support Assembly
33.	12B3800	Skin Installation
34.	12B1831	Longeron
35.	12B7930	Fairing Installation
36.	12B1632	Doubler
37.	12B1632	Doubler
38.	12B1632	Doubler
39.	12B4985	Support
40.	12B2905	Splice
41.	12B4970	Membrane Suppt. Instl.
	12B4991	Support
	12B4992	Support
	12B4993	Support
	12B4994	Support
	12B4995	Support
42.	12B1904	Longeron
42A.	12B2911	Support

12B043 NACELLE INSTALLATION DETAILS NOT ILLUSTRATED

12B2923	Support	12B4943	Splice Details
12B2929	Support	12B4971	Support
12B2939	Support	12B4977	Support
12B4941	Filler	12B7928	Splice
12B4942	Splice	12B7933	Splice

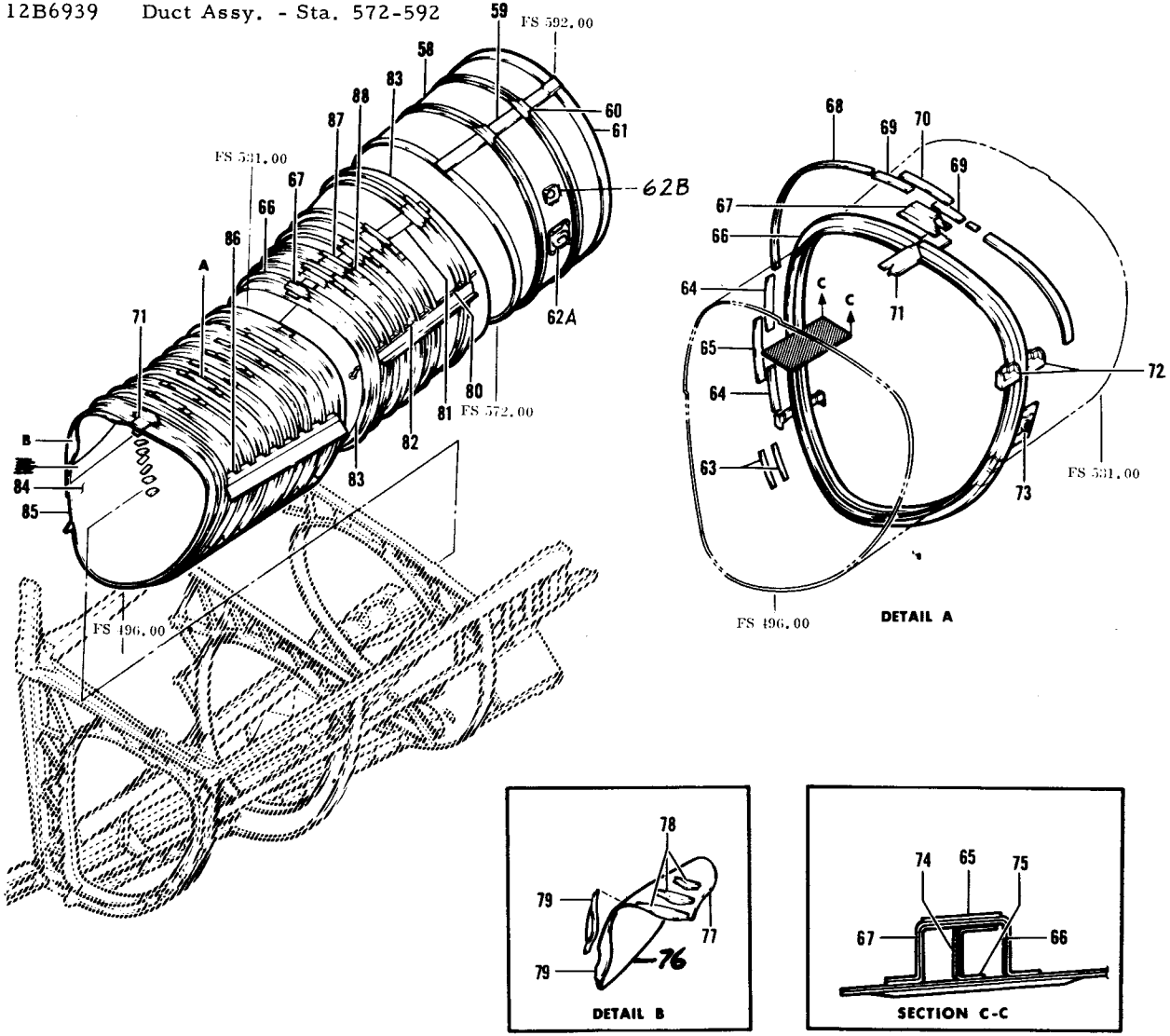
Figure 4-40 F-111A AFT CENTER FUSELAGE - SIDE ASSEMBLY (TAC 31 thru 159

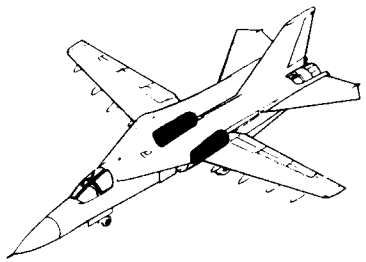


43A.	12B3915	COVER ASSY
43.	12B3911	Skin
44.	12B3921	Skin
45.	12B4998	Bumper
46.	12B3931	Skin
47.	12B3993	Cover
48.	12B3935	Cover
49.	12B3923	Skin
50.	12B3913	Skin
51.	12B3912	Cover
52.	12B3937	Cover
53.	12B3945	Cover
54.	12B3801	Skin
55.	12B3803	Skin
56.	12B3941	Cover
48A	12B3908	FRAME
57	12B4966	Support

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

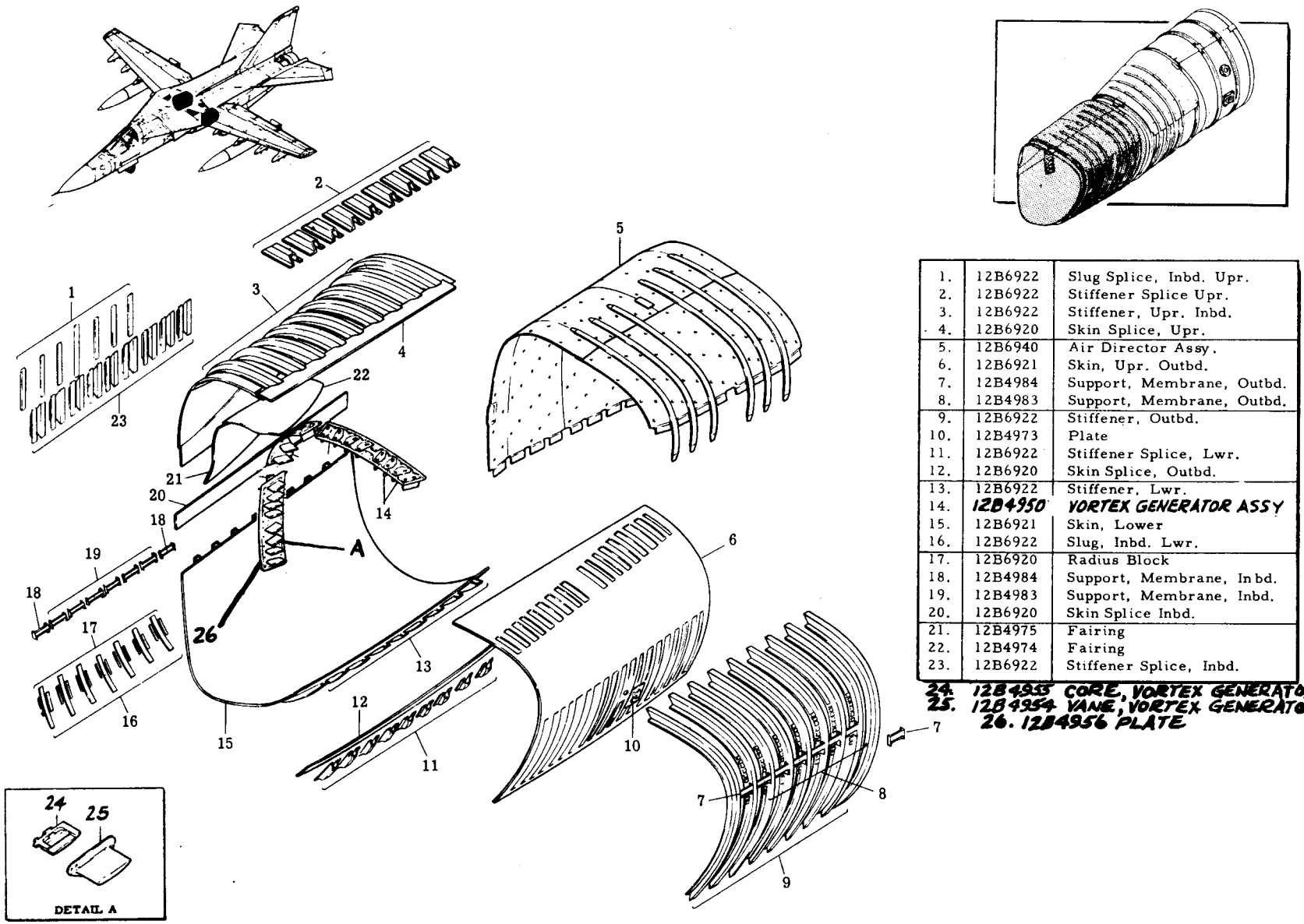




58.	12B6939	Skin
59.	12B6939	Splice Skin
60.	12B6939	Splice Hat
61.	12B6939	Hat
62A	12B4967	BRACKET Assy.
62B	12B4968	Support ASSY
63.	12B6920	Radius Block
64.	12B6922	Slug
65.	12B6922	Slug Splice
66.	12B6922	Stiffener
67.	12B6922	Stiffener Splice
68.	12B6920	Retainer
69.	12B6922	Slug
70.	12B6922	Slug 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)

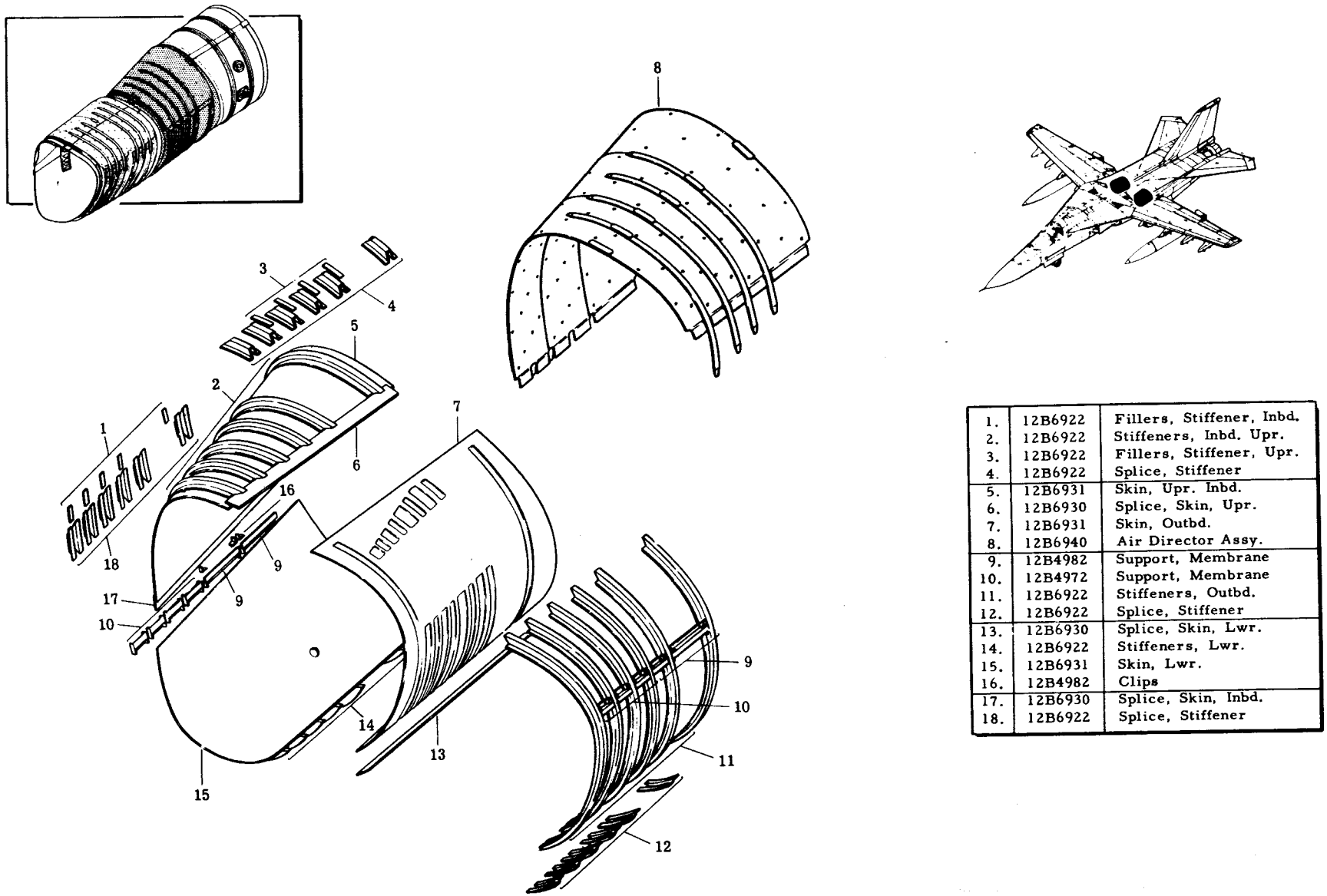
ST-839-143A



1.	12B6922	Slug Splice, Inbd. Upr.
2.	12B6922	Stiffener Splice Upr.
3.	12B6922	Stiffener, Upr. Inbd.
4.	12B6920	Skin Splice, Upr.
5.	12B6940	Air Director Assy.
6.	12B6921	Skin, Upr. Outbd.
7.	12B4984	Support, Membrane, Outbd.
8.	12B4983	Support, Membrane, Outbd.
9.	12B6922	Stiffener, Outbd.
10.	12B4973	Plate
11.	12B6922	Stiffener Splice, Lwr.
12.	12B6920	Skin Splice, Outbd.
13.	12B6922	Stiffener, Lwr.
14.	12B4950	VORTEX GENERATOR ASSY
15.	12B6921	Skin, Lower
16.	12B6922	Slug, Inbd. Lwr.
17.	12B6920	Radius Block
18.	12B4984	Support, Membrane, Inbd.
19.	12B4983	Support, Membrane, Inbd.
20.	12B6920	Skin Splice Inbd.
21.	12B4975	Fairing
22.	12B4974	Fairing
23.	12B6922	Stiffener Splice, Inbd.
24.	12B4955	CORE, VORTEX GENERATOR
25.	12B4954	VANE, VORTEX GENERATOR
26.	12B4956	PLATE

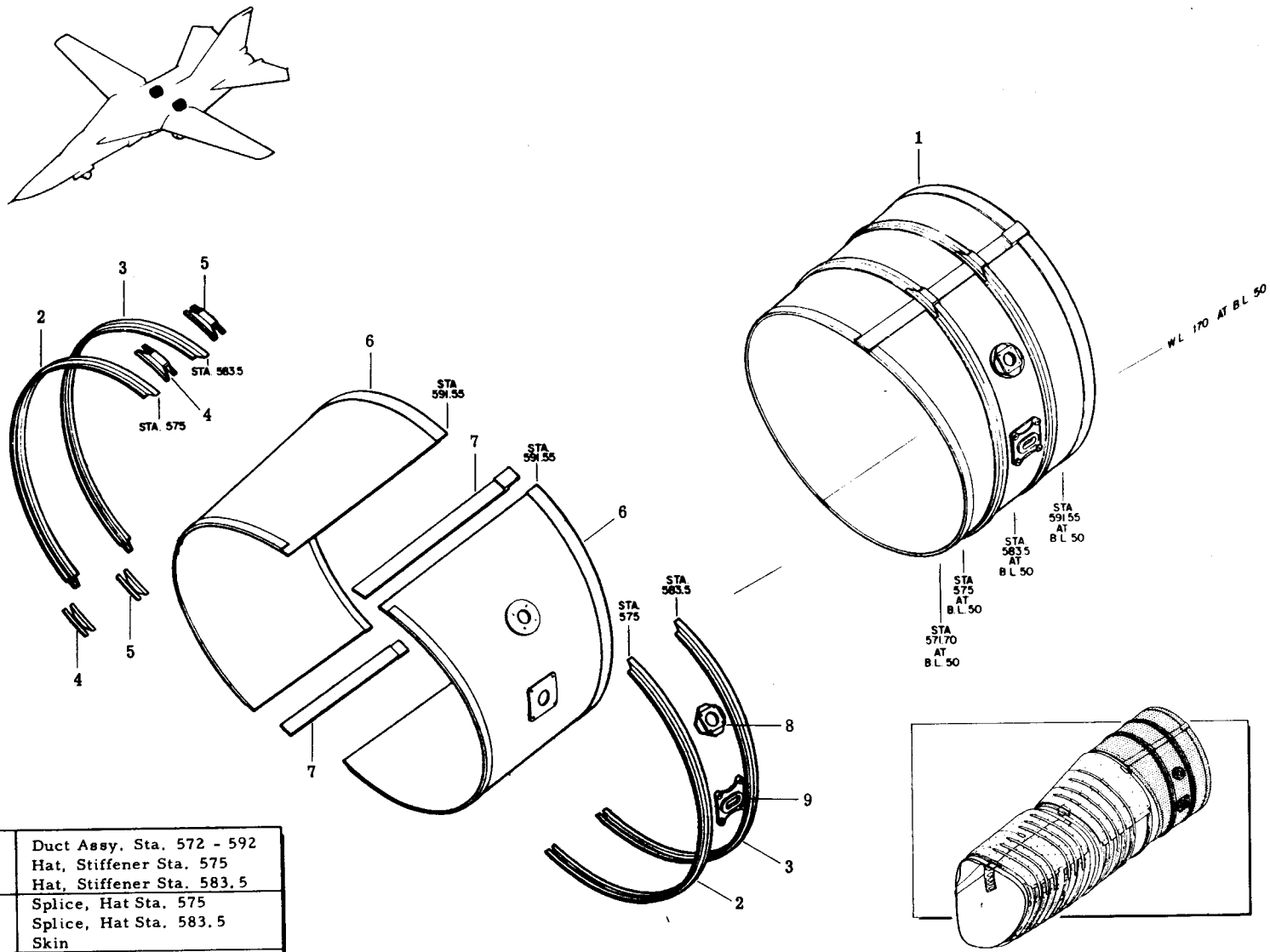
Figure 4-43 F-111A AFT CENTER FUSELAGE - FORWARD DUCT ASSEMBLY (TAC 31 thru 159)

ST-839-144A



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

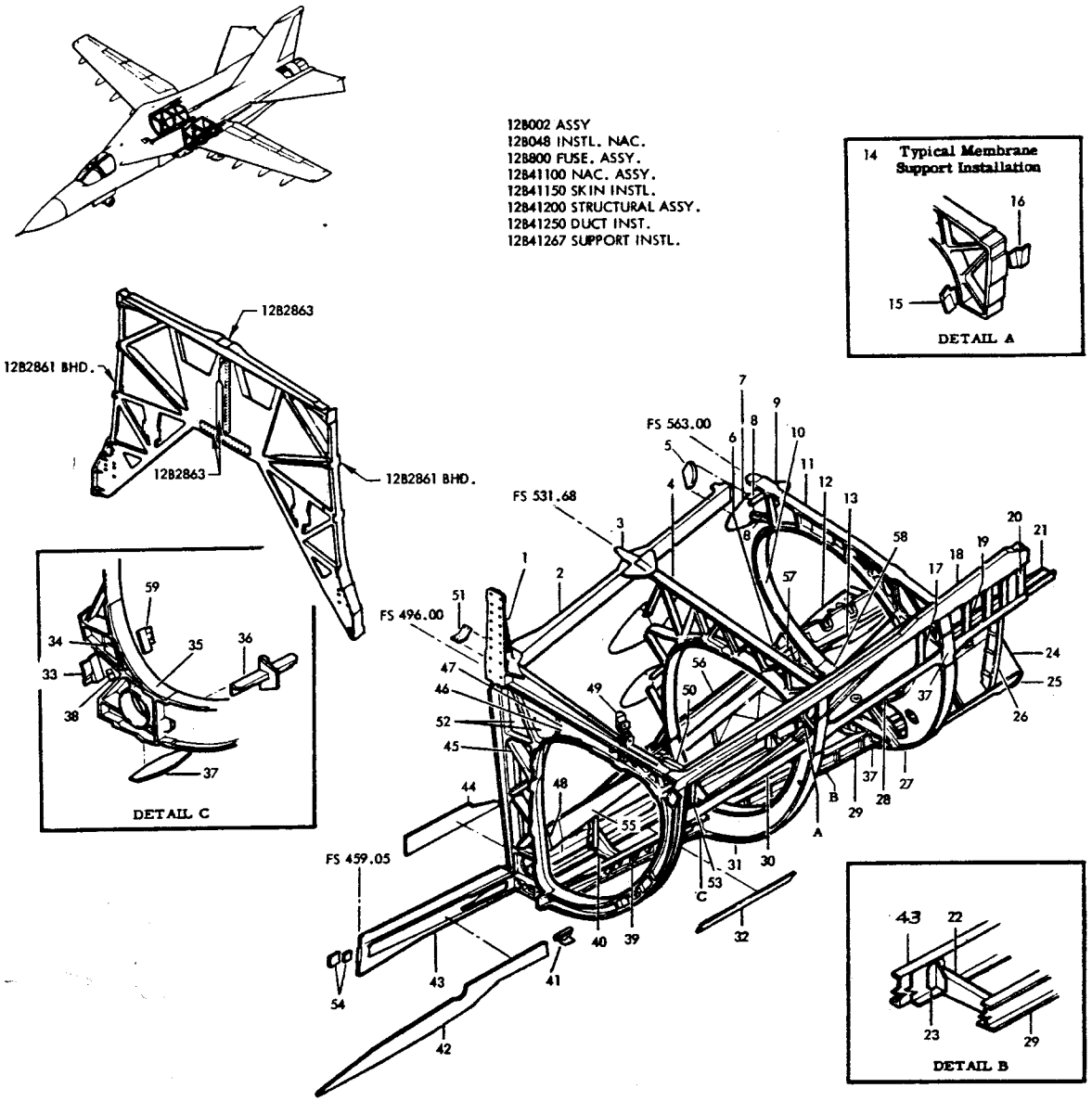
Figure 4-44 F-111A AFT CENTER FUSELAGE - MID DUCT ASSEMBLY (TAC 31 thru 159)



1.	12B6939	Duct Assy. Sta. 572 - 592
2.	12B6939	Hat, Stiffener Sta. 575
3.	12B6939	Hat, Stiffener Sta. 583.5
4.	12B6939	Splice, Hat Sta. 575
5.	12B6939	Splice, Hat Sta. 583.5
6.	12B6939	Skin
7.	12B6939	Splice Skin
8.	12B4968	Support Assy.
9.	12B4967	Bracket Assy.

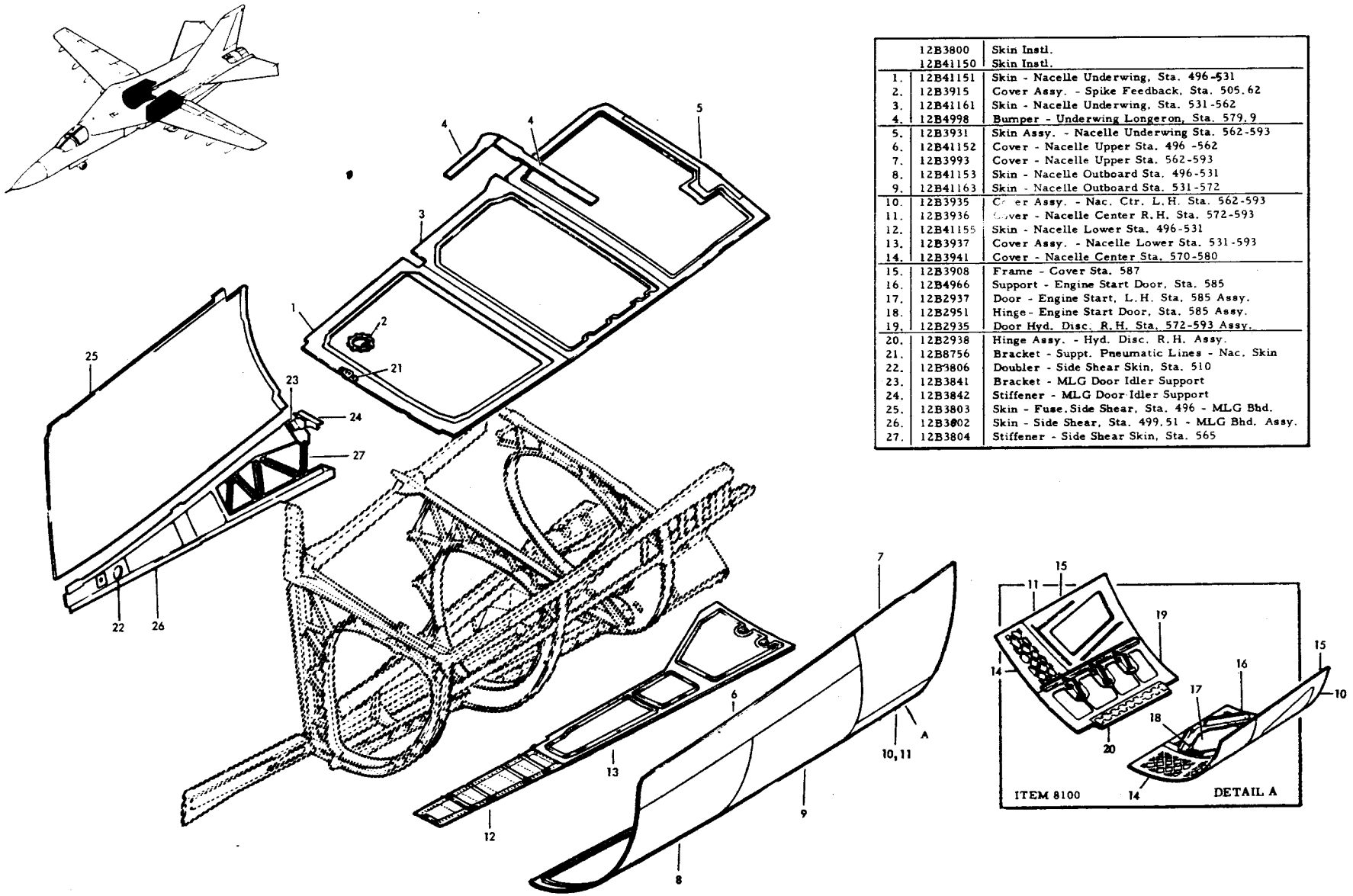
Figure 4-45 F-111A AFT CENTER FUSELAGE - AFT DUCT ASSEMBLY (TAC 31 thru 159)

ST-839-146A



	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 Cowl 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)



	12B3800	Skin Instl.
	12B41150	Skin Instl.
1.	12B41151	Skin - Nacelle Underwing, Sta. 496-531
2.	12B3915	Cover Assy. - Spike Feedback, Sta. 505.62
3.	12B41161	Skin - Nacelle Underwing, Sta. 531-562
4.	12B4998	Bumper - Underwing Longeron, Sta. 579.9
5.	12B3931	Skin Assy. - Nacelle Underwing Sta. 562-593
6.	12B41152	Cover - Nacelle Upper Sta. 496 -562
7.	12B3993	Cover - Nacelle Upper Sta. 562-593
8.	12B41153	Skin - Nacelle Outboard Sta. 496-531
9.	12B41163	Skin - Nacelle Outboard Sta. 531-572
10.	12B3935	Cover Assy. - Nac. Ctr. L.H. Sta. 562-593
11.	12B3936	Cover - Nacelle Center R.H. Sta. 572-593
12.	12B41155	Skin - Nacelle Lower Sta. 496-531
13.	12B3937	Cover Assy. - Nacelle Lower Sta. 531-593
14.	12B3941	Cover - Nacelle Center Sta. 570-580
15.	12B3908	Frame - Cover Sta. 587
16.	12B4966	Support - Engine Start Door, Sta. 585
17.	12B2937	Door - Engine Start, L.H. Sta. 585 Assy.
18.	12B2951	Hinge - Engine Start Door, Sta. 585 Assy.
19.	12B2935	Door Hyd. Disc. R.H. Sta. 572-593 Assy.
20.	12B2938	Hinge Assy. - Hyd. Disc. R.H. Assy.
21.	12B8756	Bracket - Suppt. Pneumatic Lines - Nac. Skin
22.	12B3806	Doubler - Side Shear Skin, Sta. 510
23.	12B3841	Bracket - MLG Door Idler Support
24.	12B3842	Stiffener - MLG Door Idler Support
25.	12B3803	Skin - Fuse. Side Shear, Sta. 496 - MLG Bhd.
26.	12B3802	Skin - Side Shear, Sta. 499.51 - MLG Bhd. Assy.
27.	12B3804	Stiffener - Side Shear Skin, Sta. 565

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

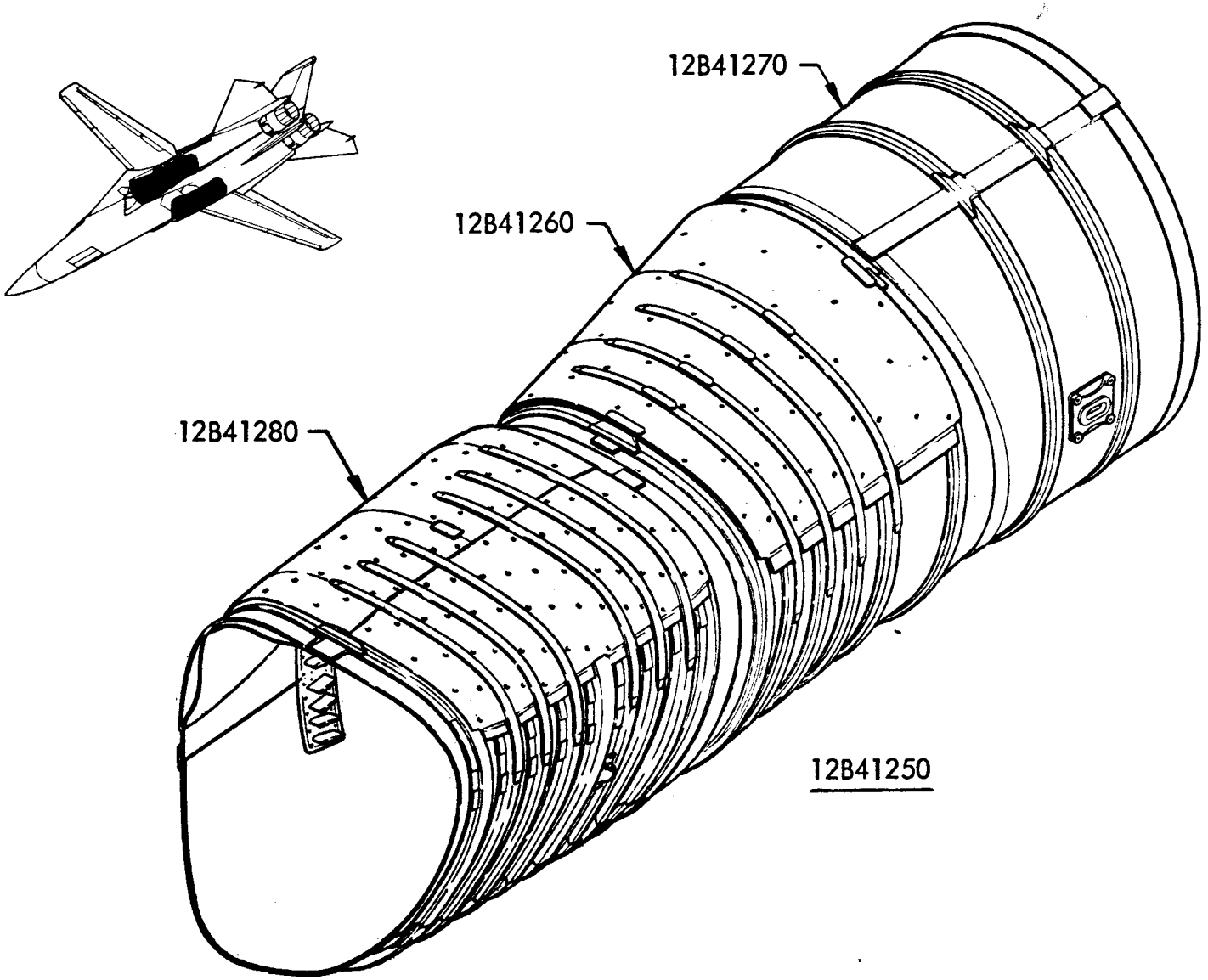
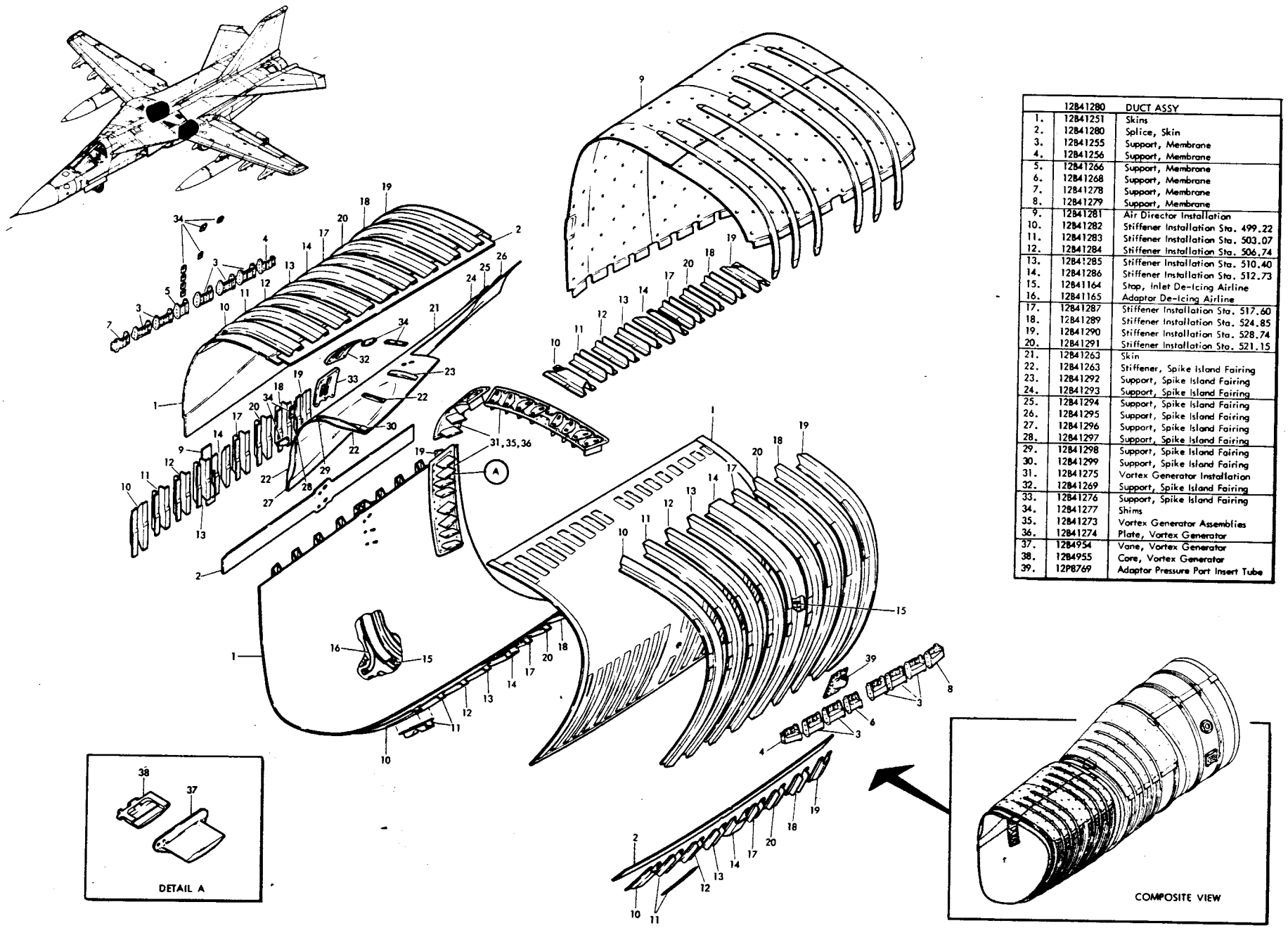
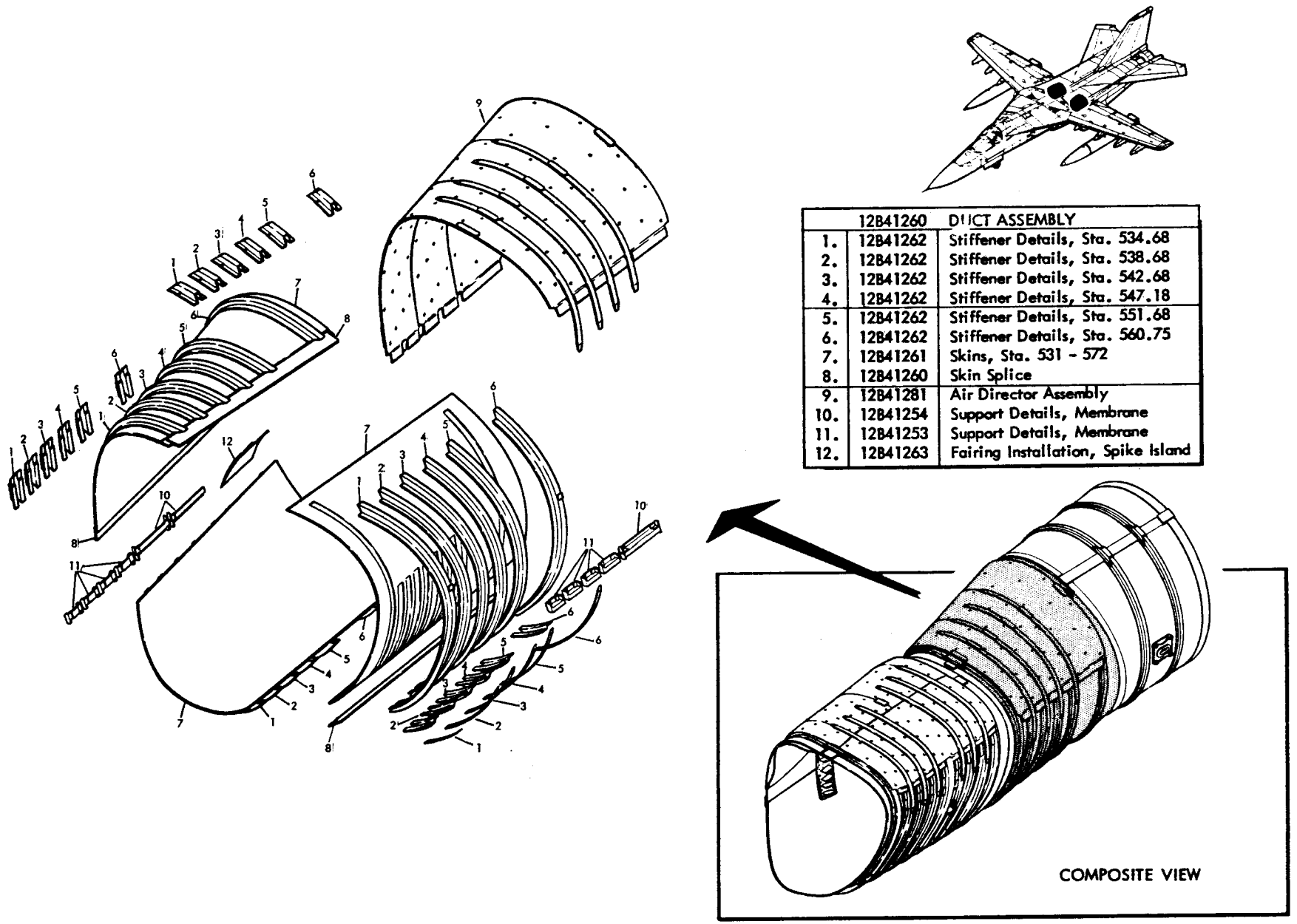


Figure 4-48 INLET DUCT, STA. 496-592 (F-111E: A1 160 and on; FB-111A: B1 3 and on)



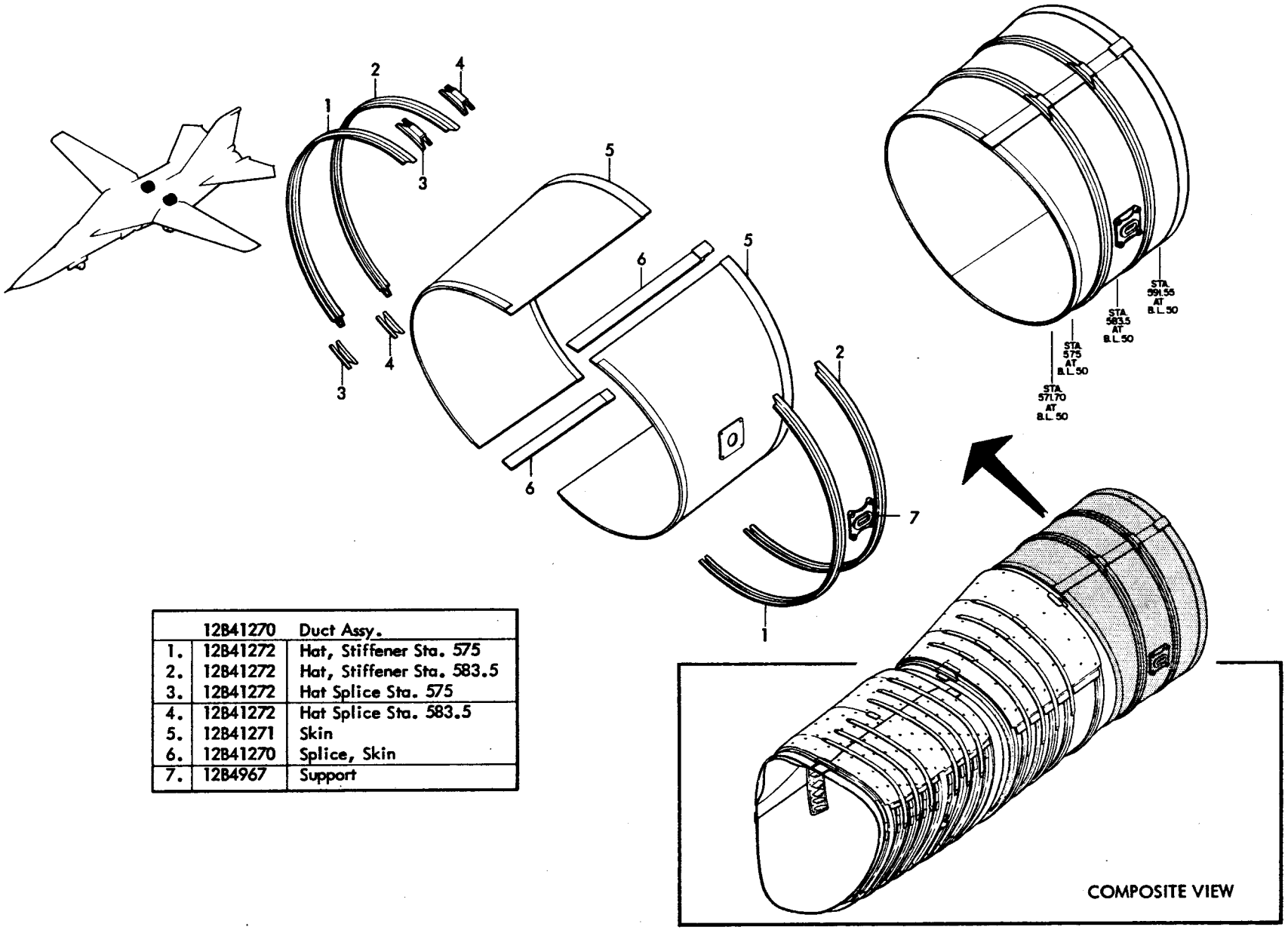
	12B41280	DUCT ASSY
1.	12B41251	Skins
2.	12B41280	Splice, Skin
3.	12B41255	Support, Membrane
4.	12B41256	Support, Membrane
5.	12B41266	Support, Membrane
6.	12B41268	Support, Membrane
7.	12B41278	Support, Membrane
8.	12B41279	Support, Membrane
9.	12B41281	Air Director Installation
10.	12B41282	Stiffener Installation Sta. 499.22
11.	12B41283	Stiffener Installation Sta. 503.07
12.	12B41284	Stiffener Installation Sta. 506.74
13.	12B41285	Stiffener Installation Sta. 510.40
14.	12B41286	Stiffener Installation Sta. 512.73
15.	12B41164	Stop, Inlet De-Icing Airline
16.	12B41165	Adaptor De-Icing Airline
17.	12B41287	Stiffener Installation Sta. 517.60
18.	12B41289	Stiffener Installation Sta. 524.85
19.	12B41290	Stiffener Installation Sta. 528.74
20.	12B41291	Stiffener Installation Sta. 521.15
21.	12B41263	Skin
22.	12B41263	Stiffener, Spike Island Fairing
23.	12B41292	Support, Spike Island Fairing
24.	12B41293	Support, Spike Island Fairing
25.	12B41294	Support, Spike Island Fairing
26.	12B41295	Support, Spike Island Fairing
27.	12B41296	Support, Spike Island Fairing
28.	12B41297	Support, Spike Island Fairing
29.	12B41298	Support, Spike Island Fairing
30.	12B41299	Support, Spike Island Fairing
31.	12B41275	Vortex Generator Installation
32.	12B41269	Support, Spike Island Fairing
33.	12B41276	Support, Spike Island Fairing
34.	12B41277	Shims
35.	12B41273	Vortex Generator Assemblies
36.	12B41274	Plate, Vortex Generator
37.	12B4954	Vane, Vortex Generator
38.	12B4955	Core, Vortex Generator
39.	12P8769	Adaptor Pressure Port Insert Tube

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



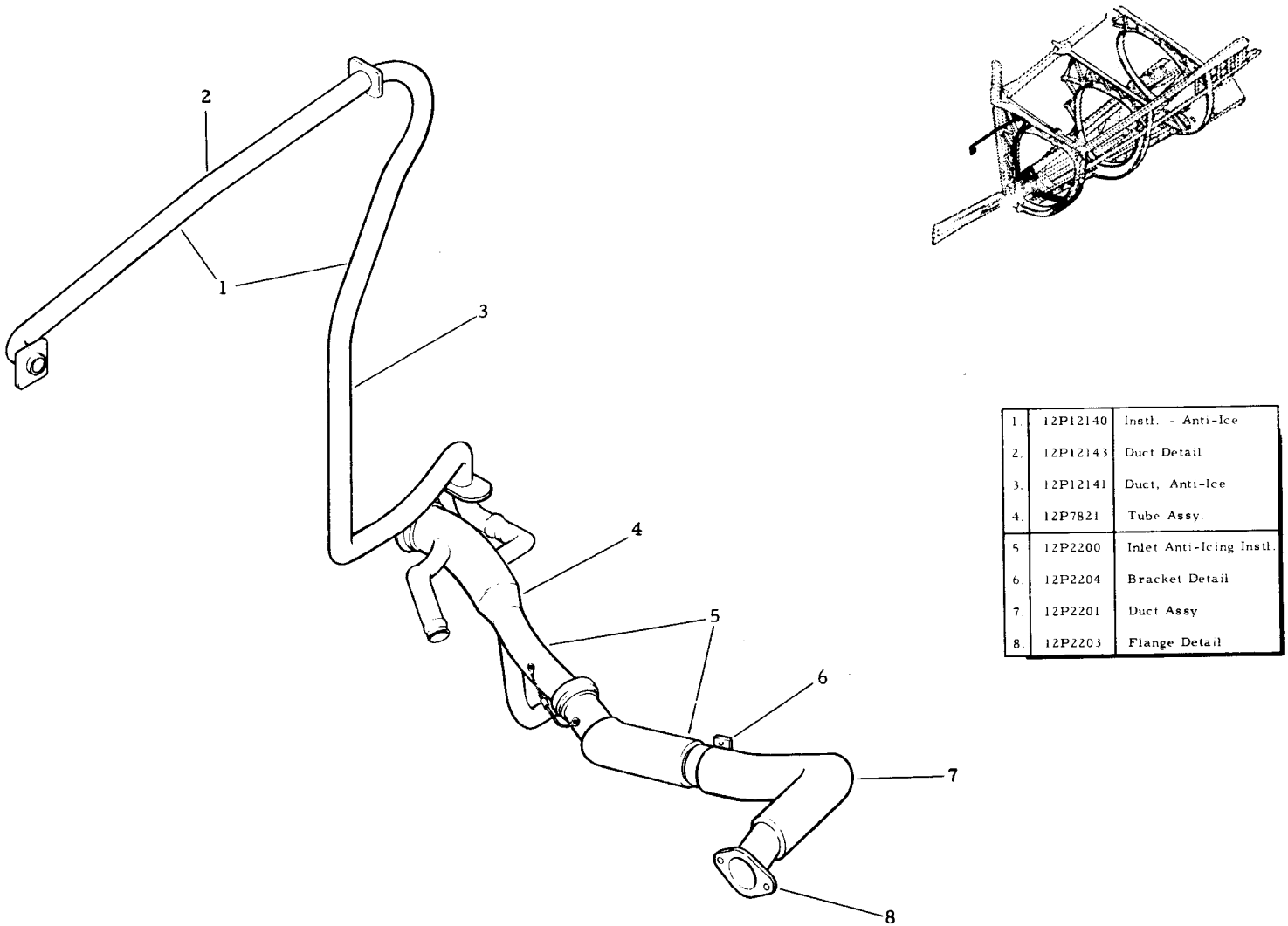
	12B41260	DUCT ASSEMBLY
1.	12B41262	Stiffener Details, Sta. 534.68
2.	12B41262	Stiffener Details, Sta. 538.68
3.	12B41262	Stiffener Details, Sta. 542.68
4.	12B41262	Stiffener Details, Sta. 547.18
5.	12B41262	Stiffener Details, Sta. 551.68
6.	12B41262	Stiffener Details, Sta. 560.75
7.	12B41261	Skins, Sta. 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 4-49 AFT CENTER FUSELAGE - MID DUCT ASSEMBLY (F-111E: A1 160-On; FB-111A: B1 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

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



1.	12P12140	Instl. - Anti-Ice
2.	12P12143	Duct Detail
3.	12P12141	Duct, Anti-Ice
4.	12P7821	Tube Assy.
5.	12P2200	Inlet Anti-Icing Instl.
6.	12P2204	Bracket Detail
7.	12P2201	Duct Assy.
8.	12P2203	Flange Detail

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

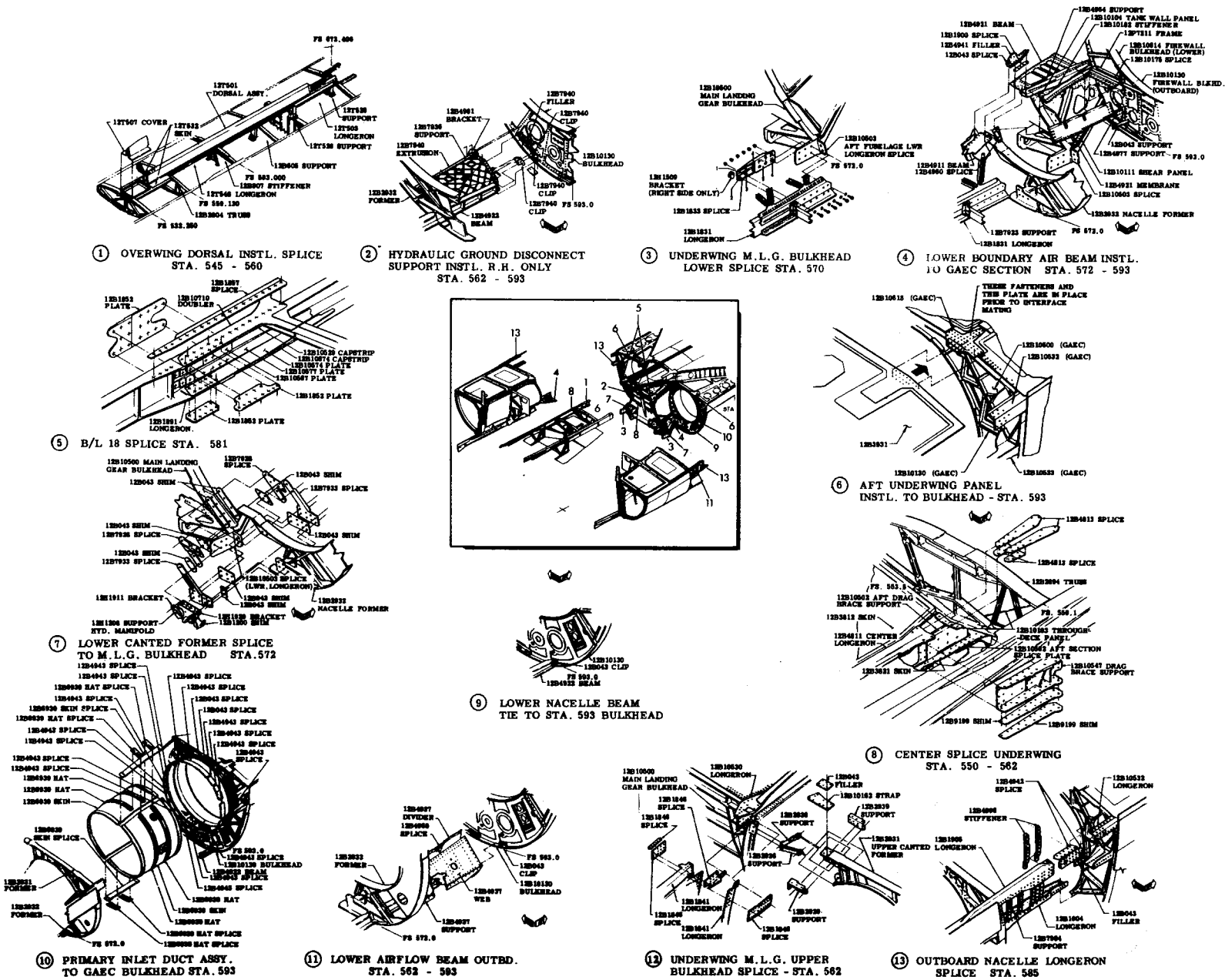


Figure 4-52 F-111A FUSELAGE MATING DETAIL (ITEM 81) (TAC 31 thru 159)

ST-1104-49

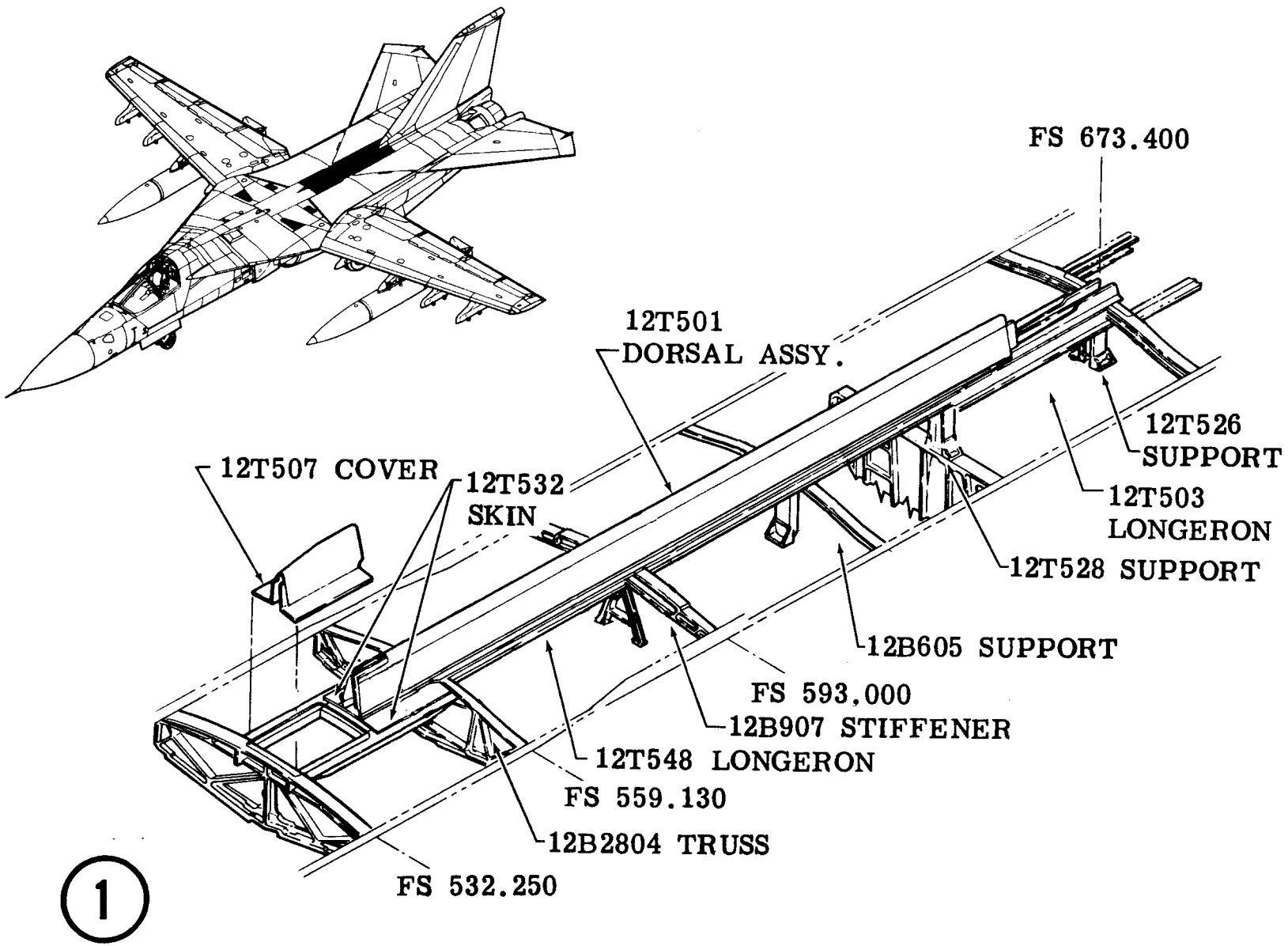


Figure 4-53 F-111A MATING DETAILS (ITEM 81) OVERWING DORSAL INSTALLATION SPLICE STATION 545 TO 560 (TAC 31 thru 159)

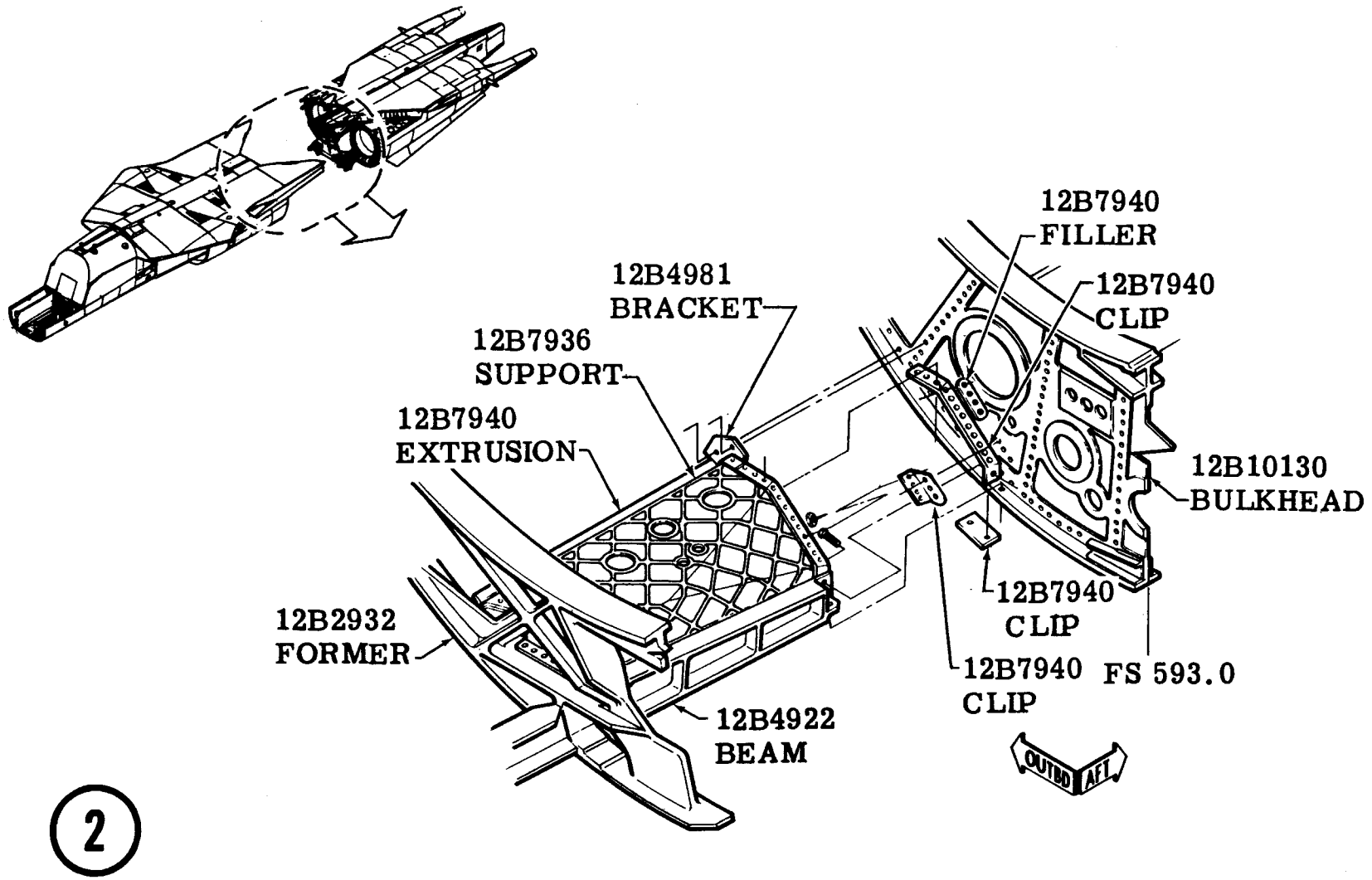


Figure 4-54 F-111A MATING DETAILS (ITEM 81) HYDRAULIC GROUND DISCONNECT SUPPORT INSTALLATION (RIGHT HAND ONLY) (TAC 31 thru 159)

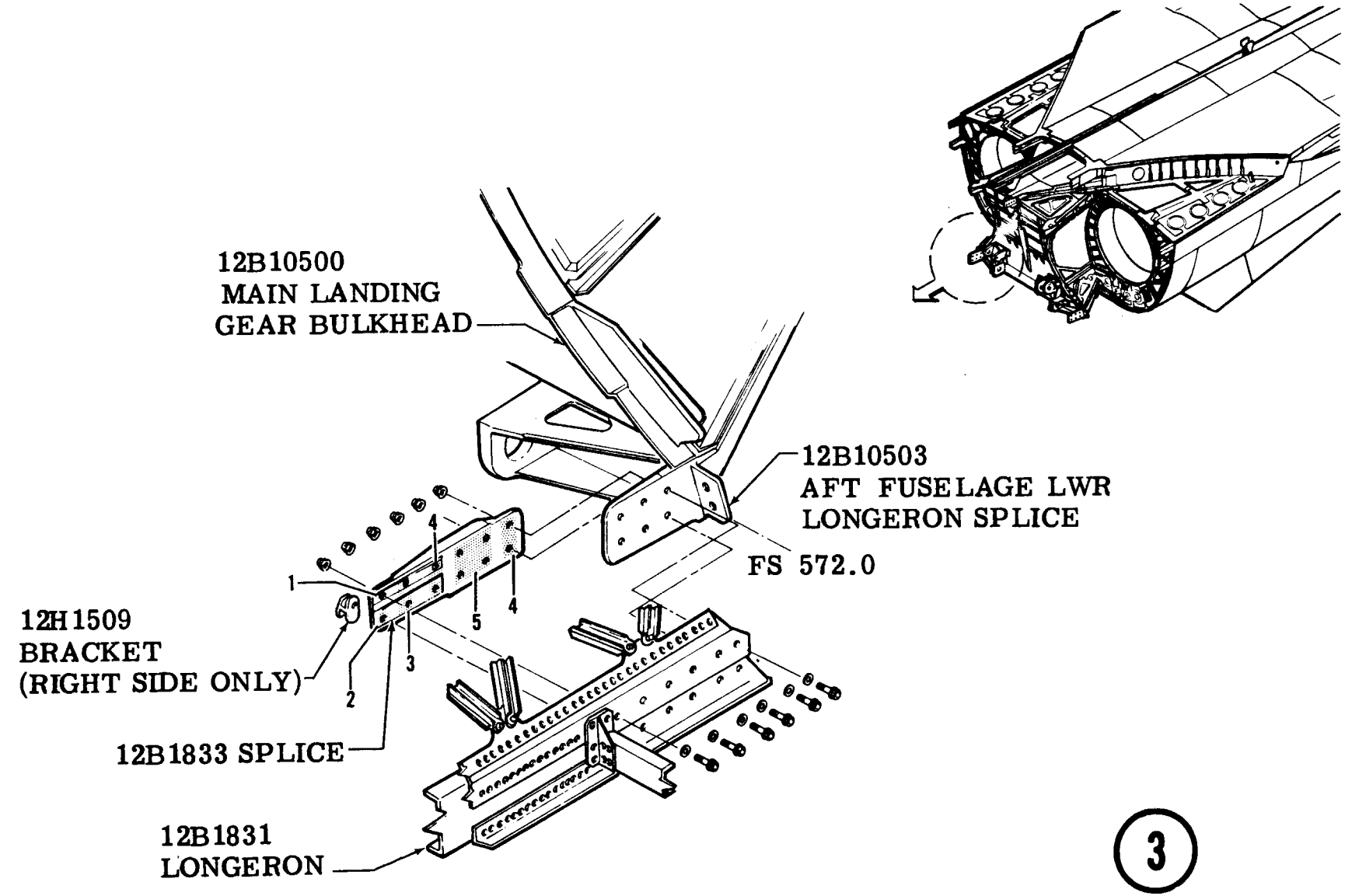


Figure 4-55 F-111A MATING DETAILS (ITEM 81) UNDERWING MAIN LANDING GEAR BULKHEAD LOWER SPLICE STATION 570.0 (TAC 31 thru 159)

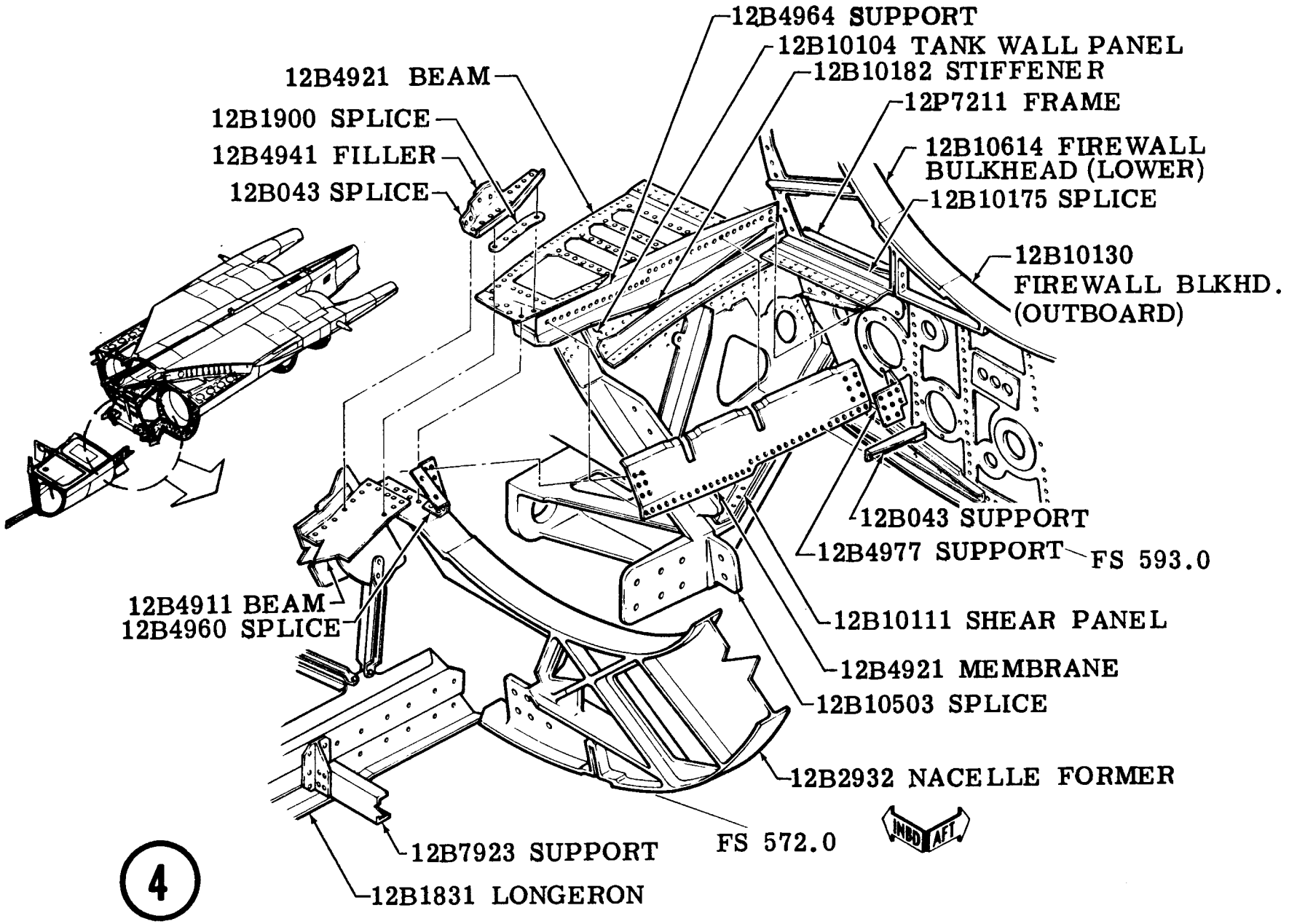


Figure 4-56 F-111A MATING DETAILS (ITEM 81) (TAC 31 thru 159)

ST-1104-54

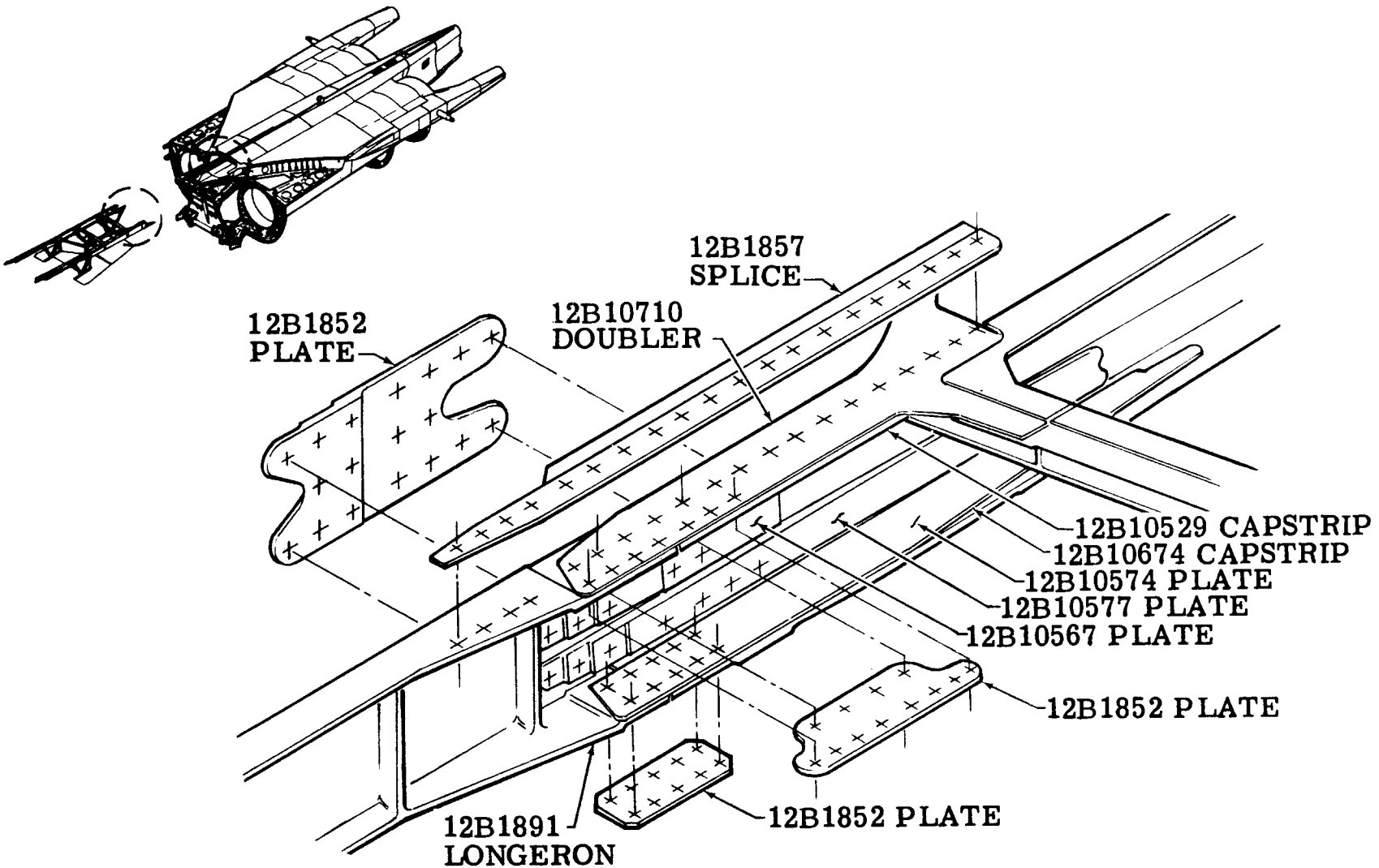


Figure 4-57 F-111A MATING DETAILS (ITEM 81) B/L 18 SPLICE STATION 581 (TAC 31 thru 159)

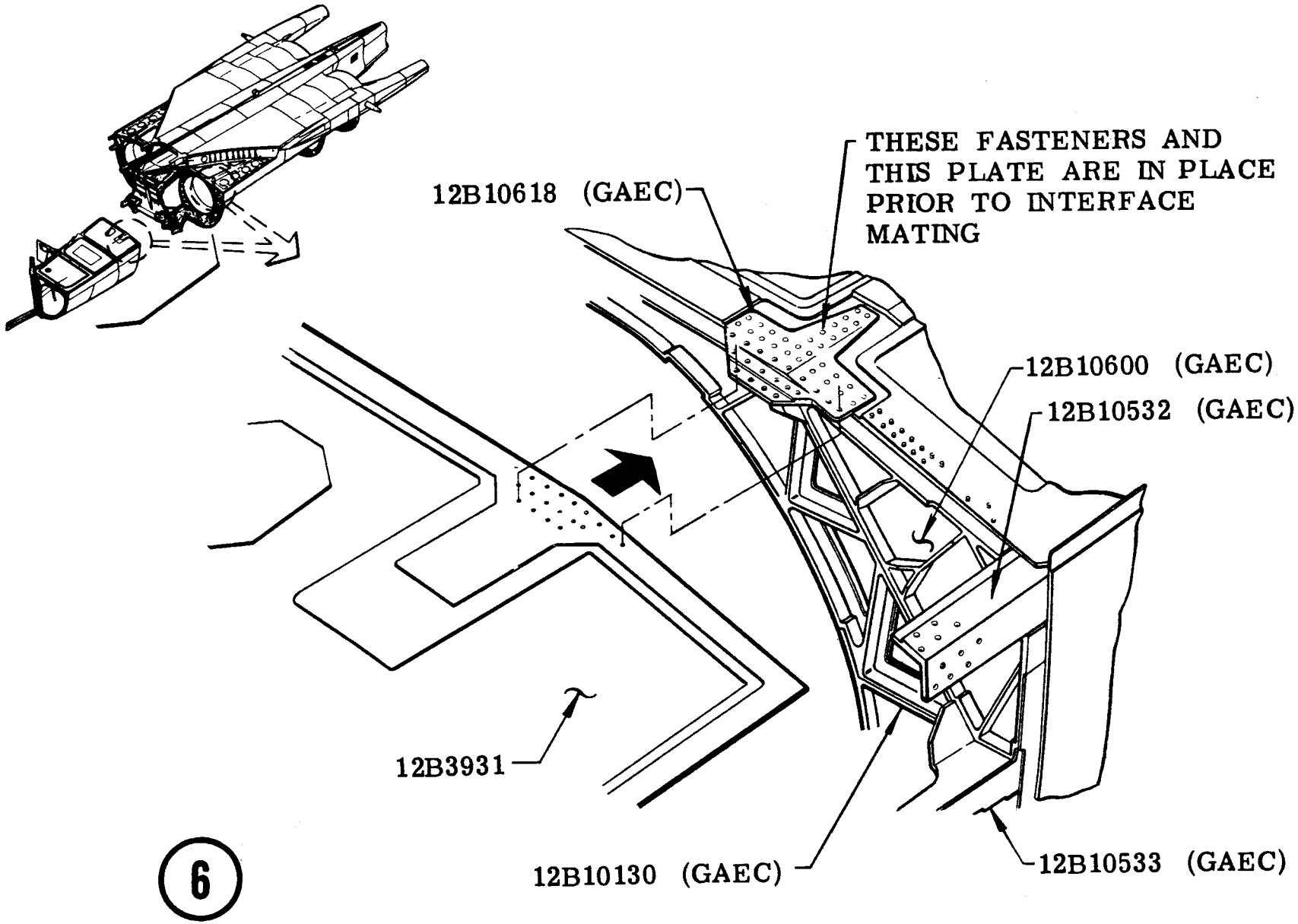


Figure 4-58 F-111A MATING DETAILS (ITEM 81) AFT UNDERWING PANEL INSTALLATION TO BULKHEAD STATION 593 (TAC 31 thru 159)

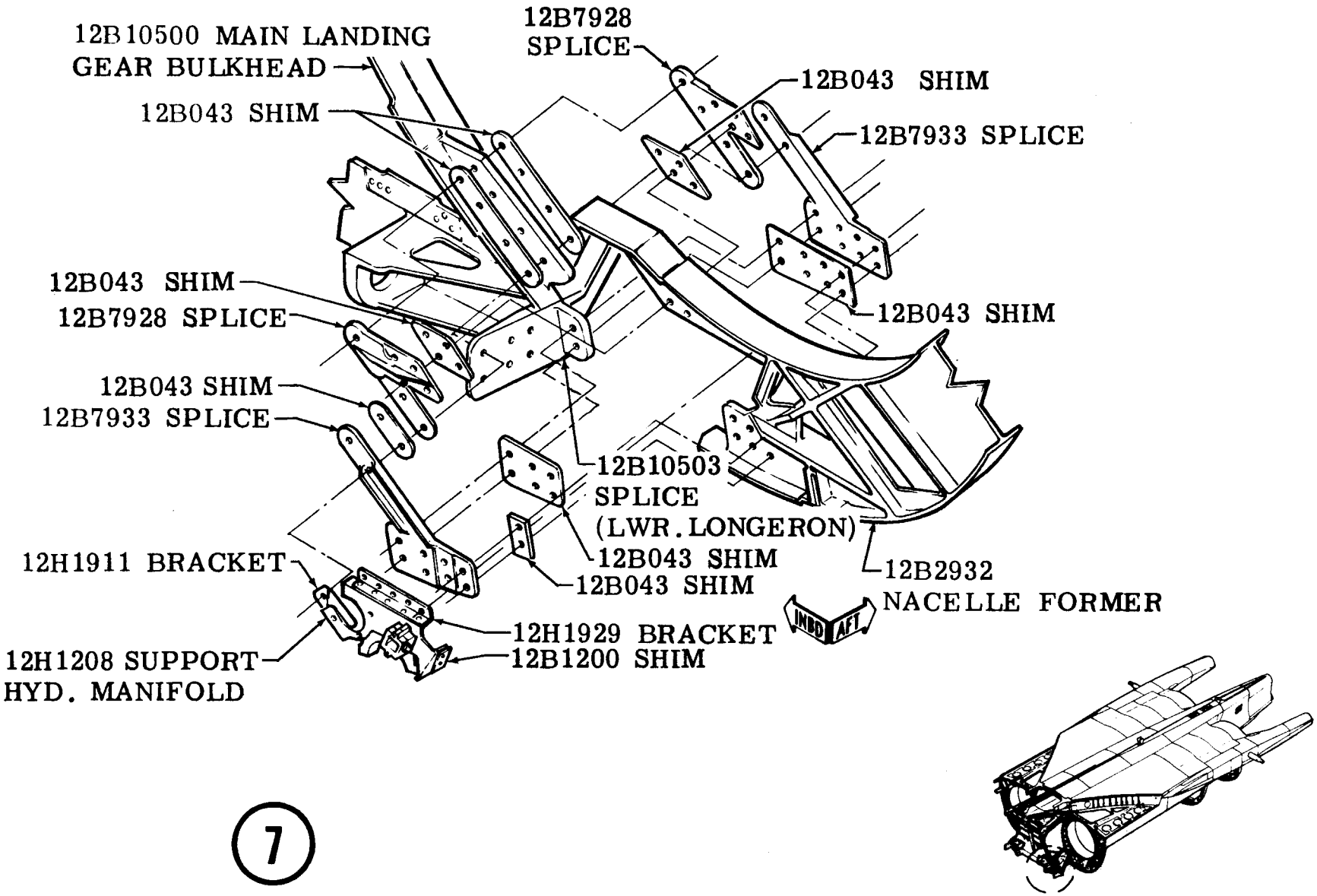


Figure 4-59 F-111A MATING DETAILS (ITEM 81) LOWER CANTED FORMER SPLICE TO MAIN LANDING GEAR BULKHEAD STATION 572 (TAC 31 thru 159)

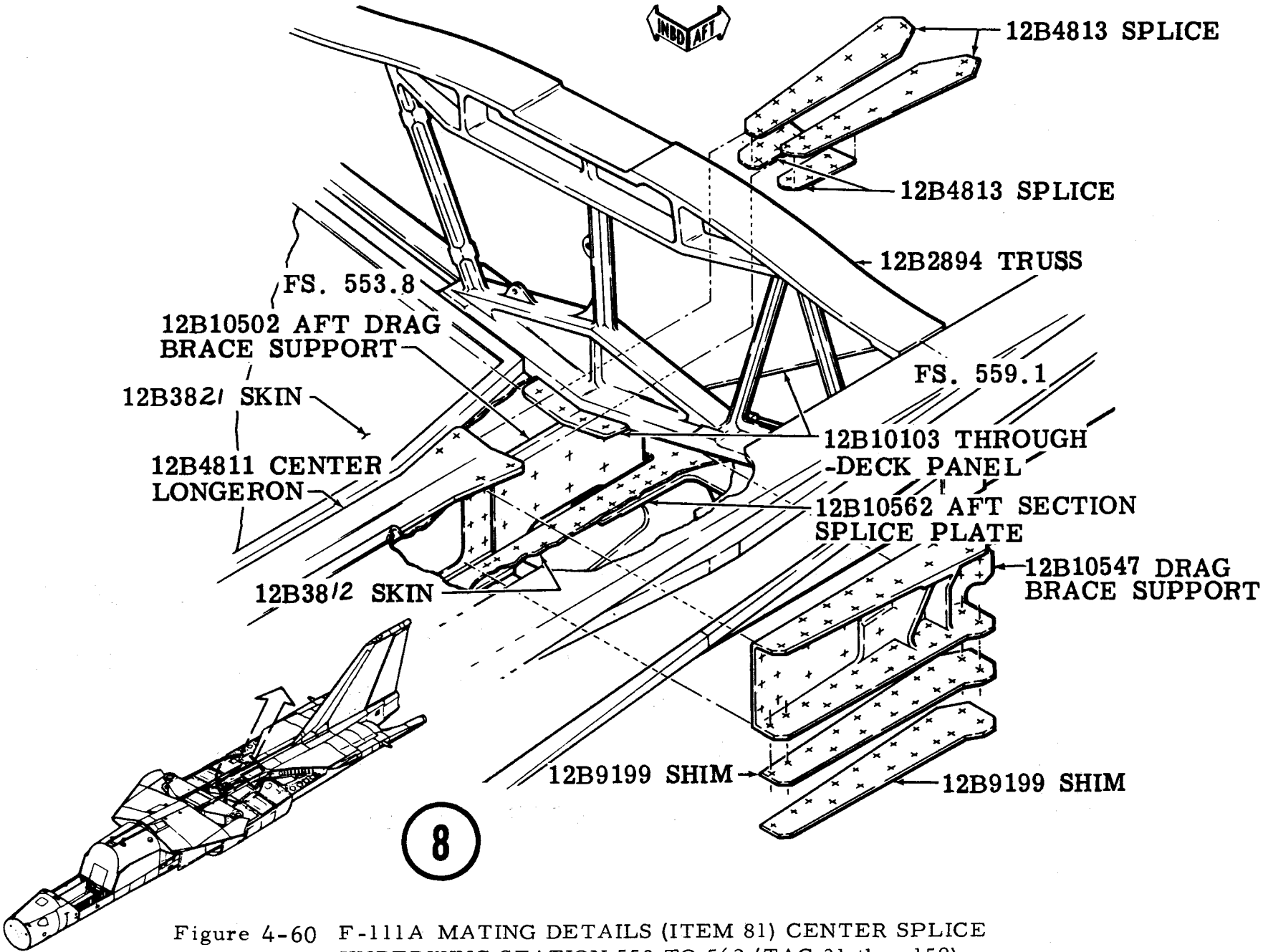


Figure 4-60 F-111A MATING DETAILS (ITEM 81) CENTER SPLICE UNDERWING STATION 550 TO 562 (TAC 31 thru 159)

ST-1104-60

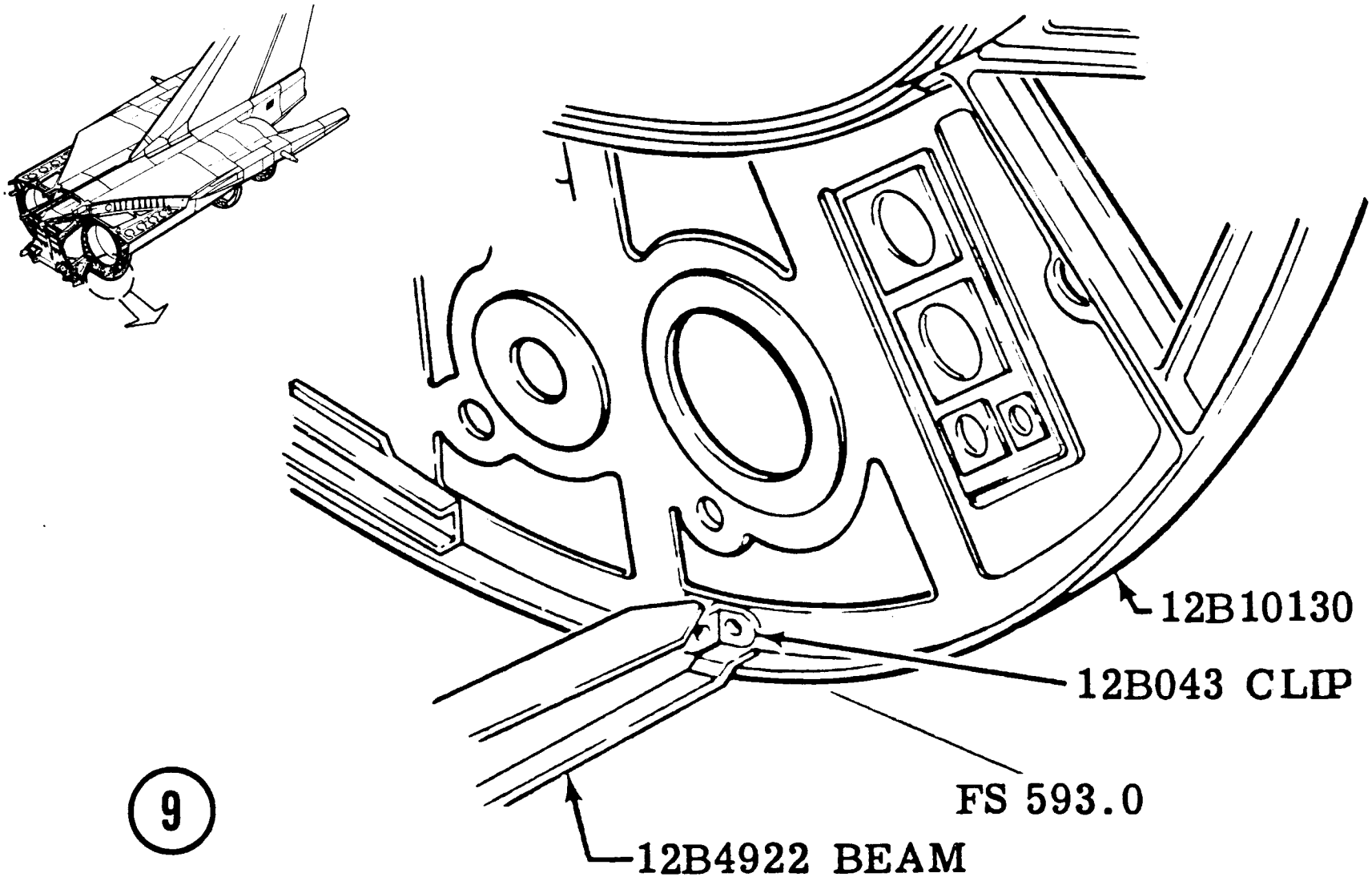


Figure 4-61 F-111A MATING DETAILS (ITEM 81) LOWER NACELLE BEAM TIE TO STATION 593 BULKHEAD (TAC 31 thru 159)

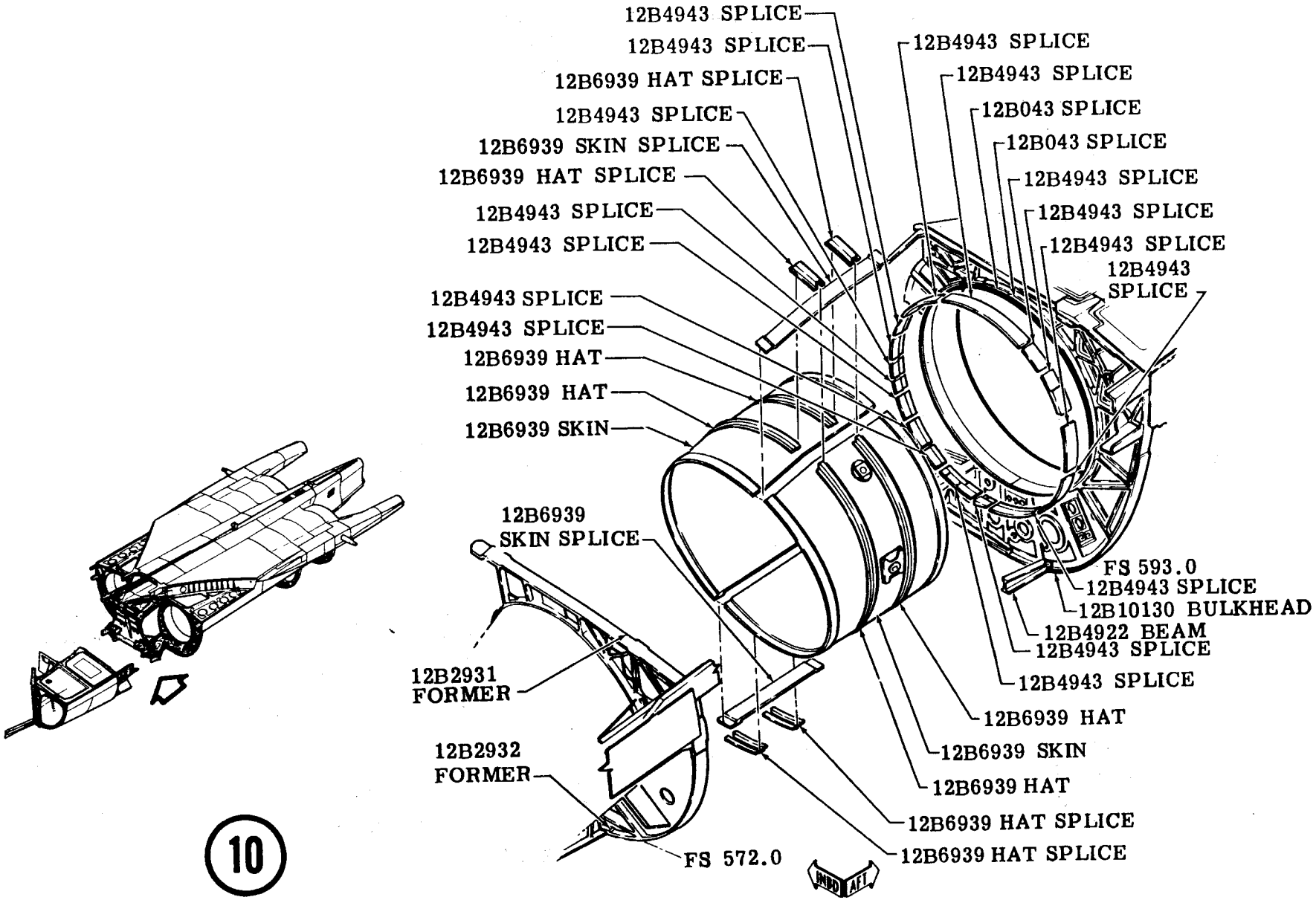


Figure 4-62 F-111A MATING DETAILS (ITEM 81) PRIMARY INLET DUCT ASSEMBLY TO GAEC BULKHEAD STATION 593.0 (TAC 31 thru 159)

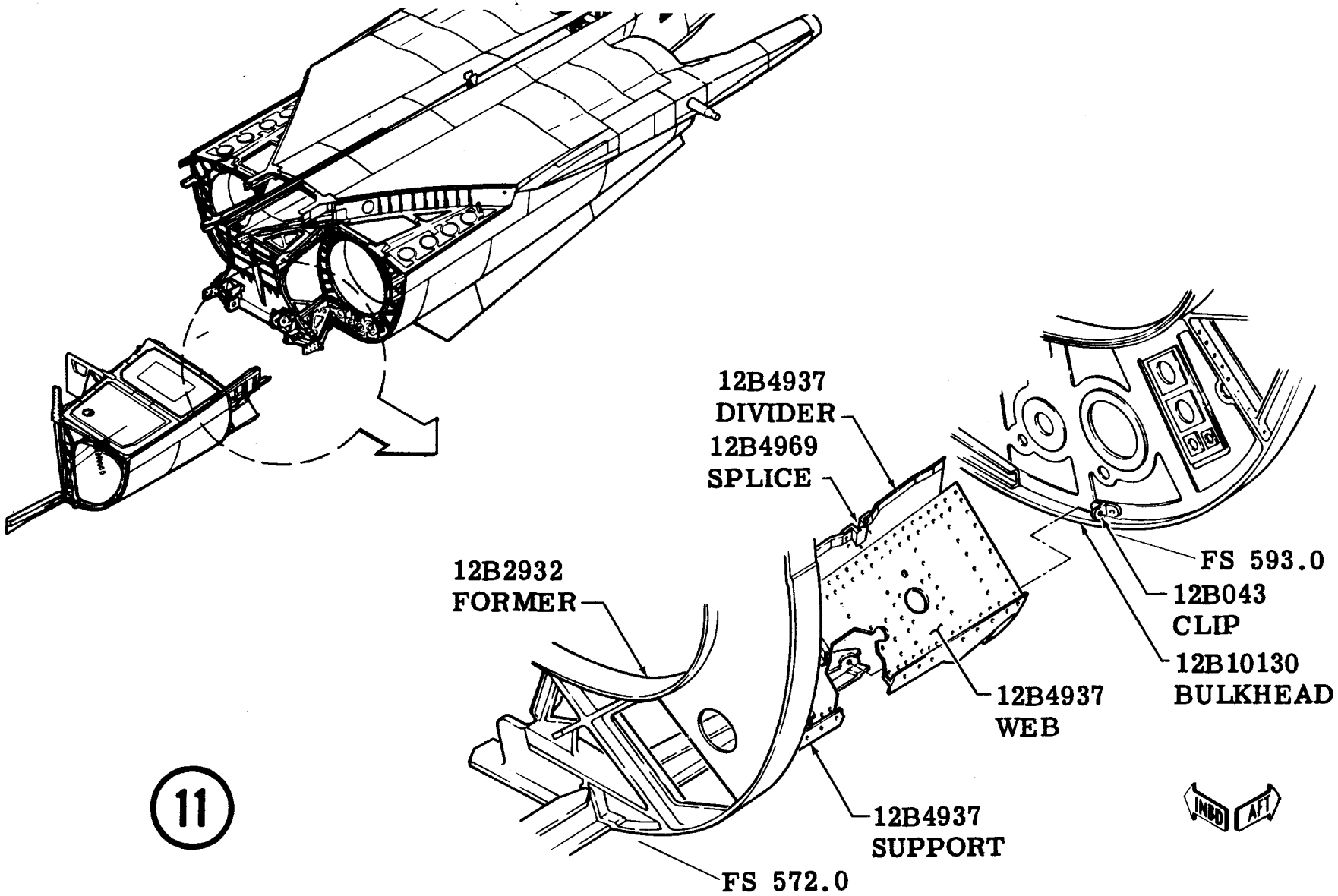


Figure 4-63 F-111A MATING DETAILS (ITEM 81) LOWER AIRFLOW BEAM-OUTBOARD STATION 562 TO 593

ST-1104-61

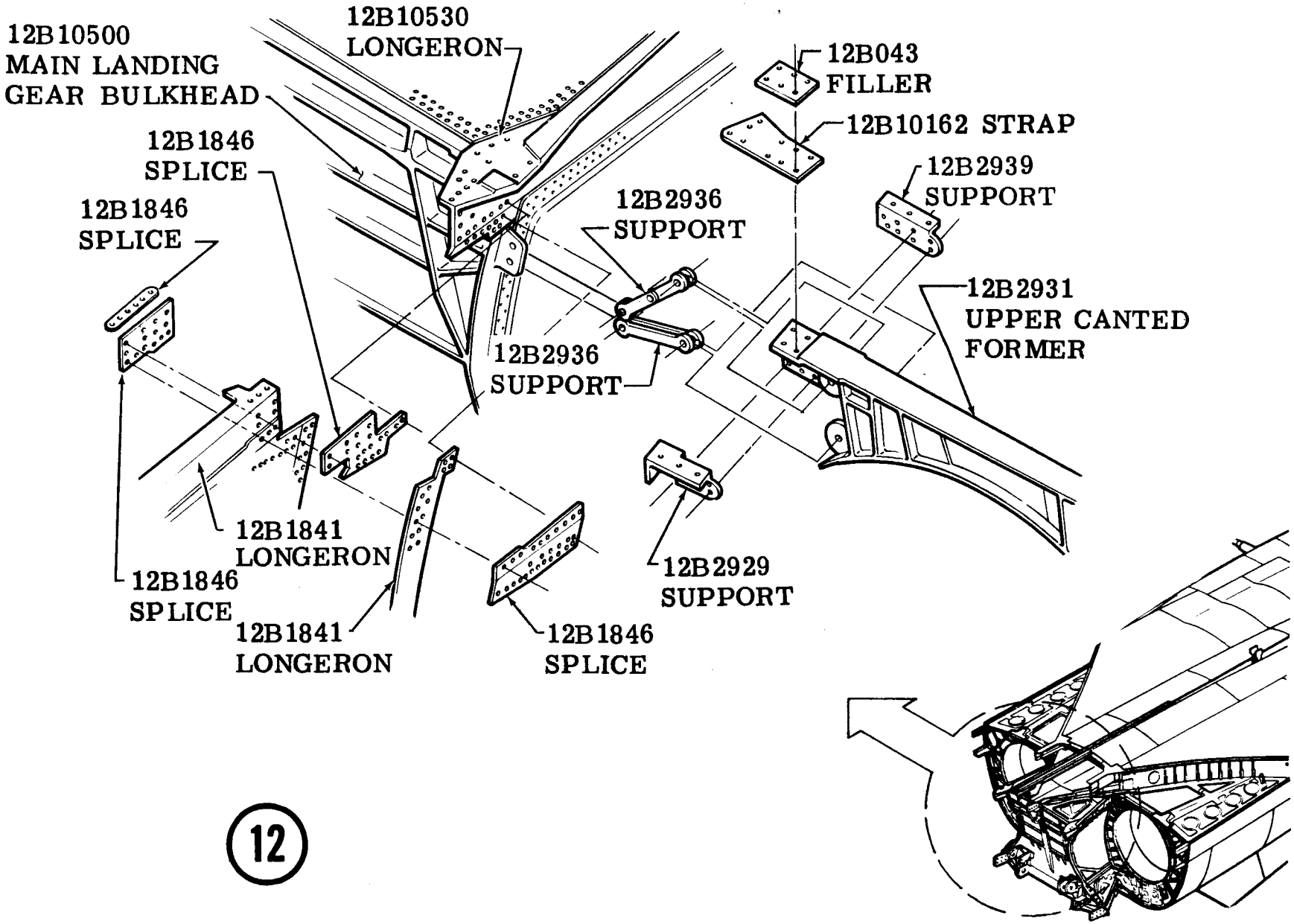


Figure 4-64 F-111A MATING DETAILS (ITEM 81) UNDERWING MAIN LANDING GEAR UPPER BULKHEAD SPLICE STATION 562.00 (TAC 31 thru 159)

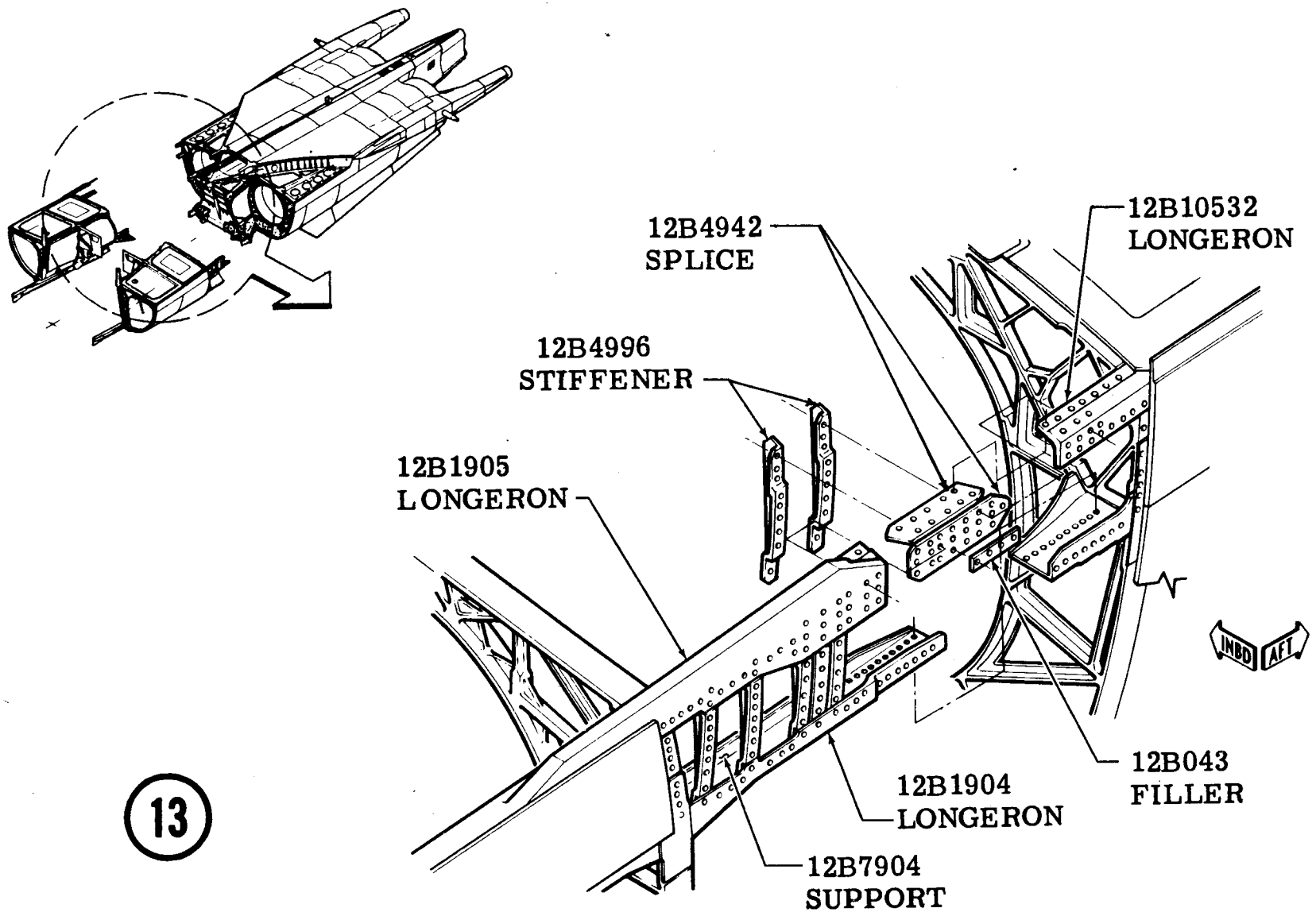
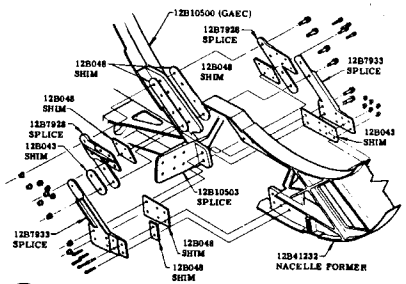
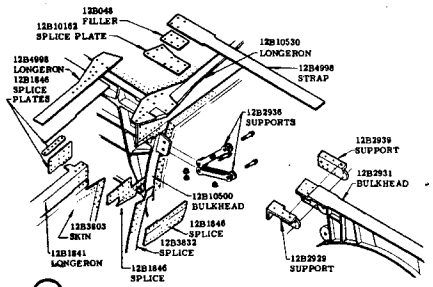


Figure 4-65 F-111A MATING DETAILS (ITEM 81) OUTBOARD UPPER NACELLE LONGERON SUPPORTS STATION 558.0 TO 593.0 (TAC 31 thru 159)

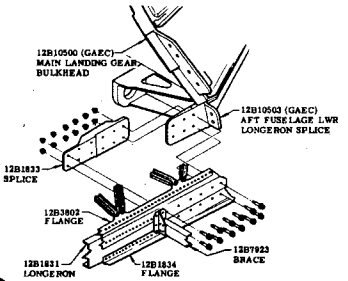
ST-1104-51



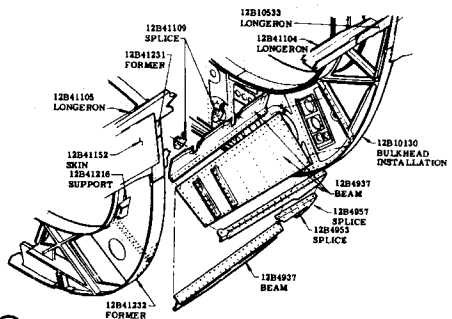
1. LOWER CANTED FORMER SPLICE TO MAIN LANDING GEAR BULKHEAD STA. 572.



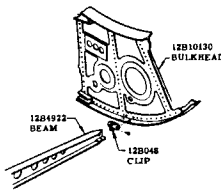
2. UNDERWING MAIN LANDING GEAR UPPER BULKHEAD SPLICE STATION 562.0



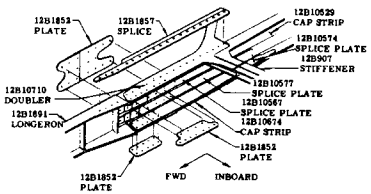
3. UNDERWING MAIN LANDING GEAR BULKHEAD LOWER SPLICE STATION 570.



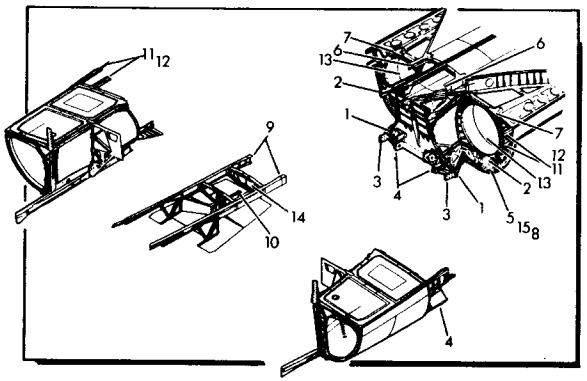
4. LOWER AIRFLOW BEAM-OUTBOARD STATION 562T0593.

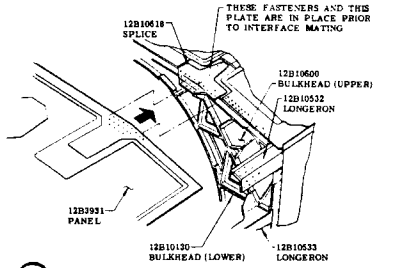


5. LOWER NACELLE BEAM TIE STATION 593 BULKHEAD.

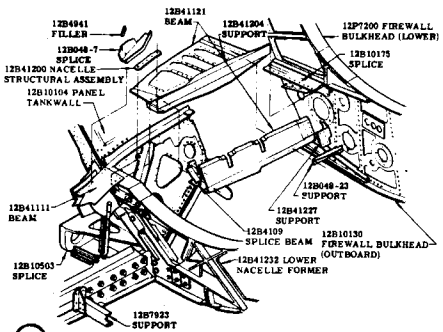


6. B.L. 18 SPLICE STATION 581.

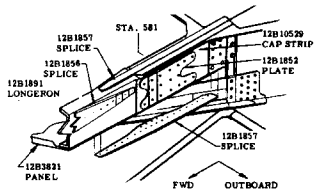




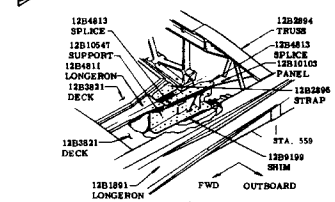
7. AFT UNDERWING PANEL INSTALLATION TO BULKHEAD STATION 593.



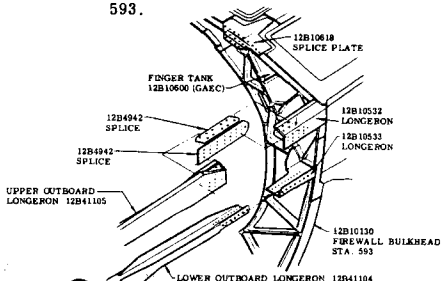
8. LOWER BOUNDARY AIR BEAM INSTALLATION TO GAEC SECTION STATION 572T0593.



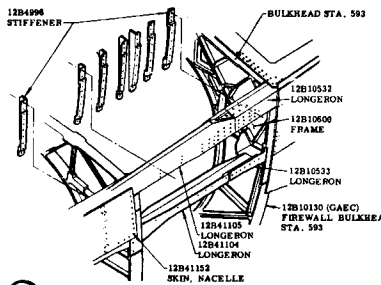
9. B.L. 18 SPLICE STATION 581.



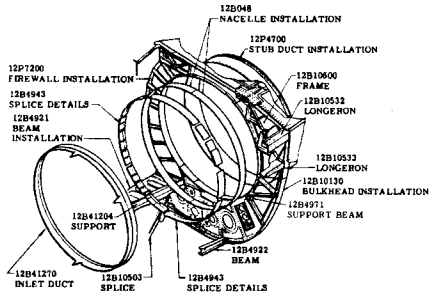
10. SPLICE UNDERWING STATION 550 TO 562.



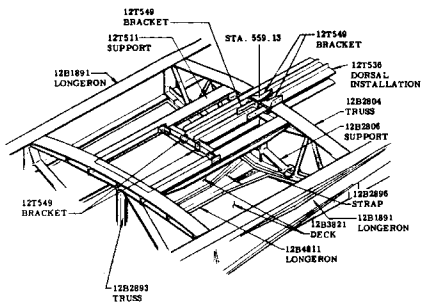
11. OUTBOARD NACELLE LONGERON SPLICE STATION 585.



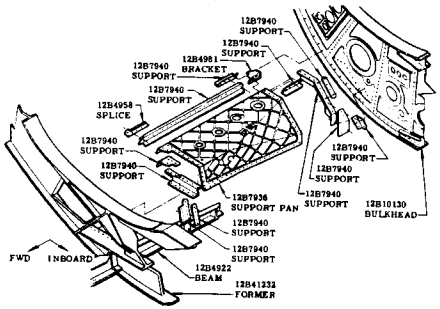
12. OUTBOARD UPPER NACELLE LONGERON SUPPORTS STATION 558.0 TO 593.0



13. PRIMARY INLET DUCT ASSEMBLY TO GAEC BULKHEAD STATION 593.0



14. OVERWING DORSAL INSTALLATION SPLICE STATION 545 TO 560



15. HYDRAULIC GROUND DISCONNECT SUPPORT INSTALLATION (RIGHT HAND ONLY).

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

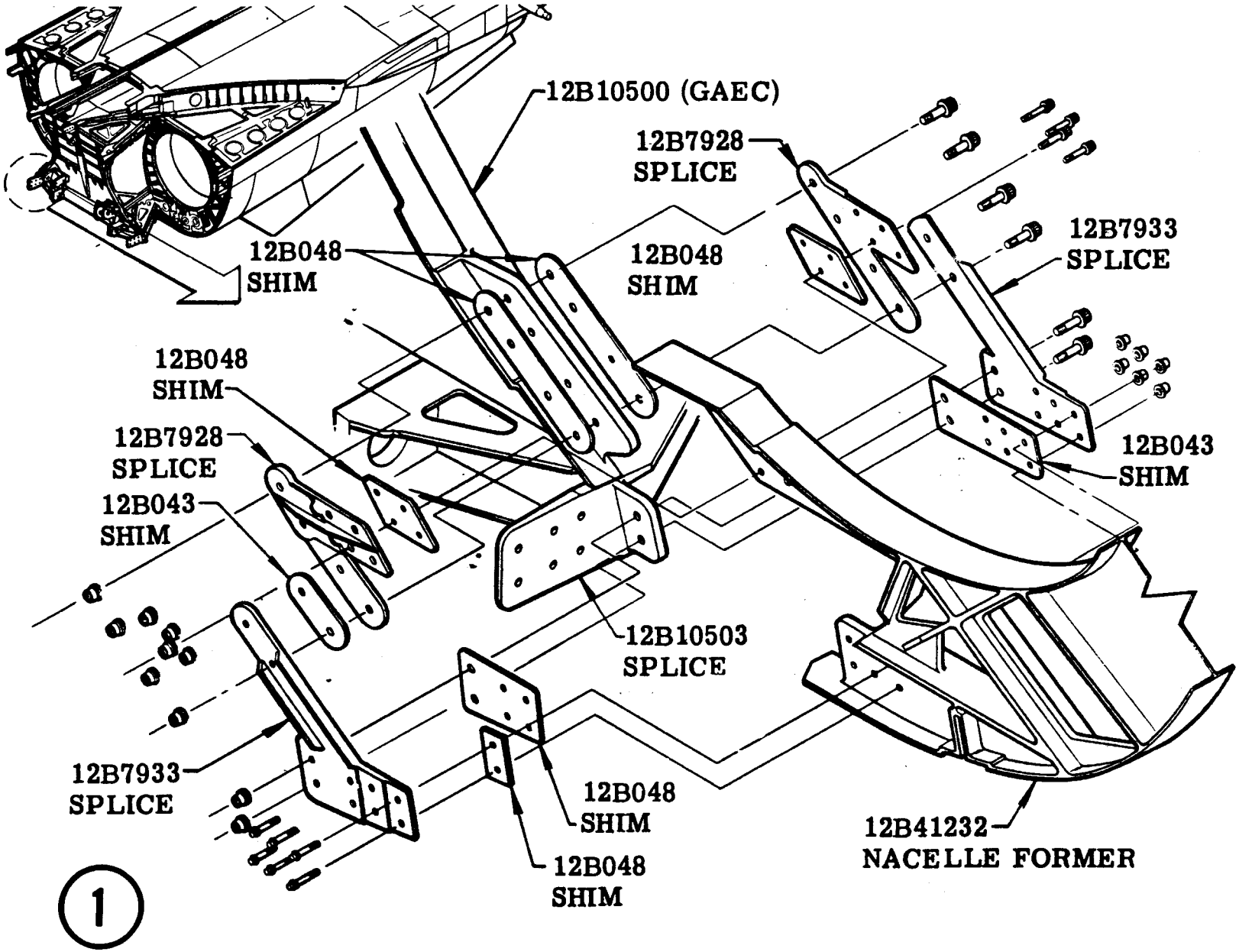


Figure 4-67 F-111E/FB-111 MATING DETAILS (ITEM 81) LOWER CANTED FORMER SPLICE TO MAIN LANDING GEAR BULKHEAD STATION 572.0 (TAC 160 and On; Bomber 3 and On)

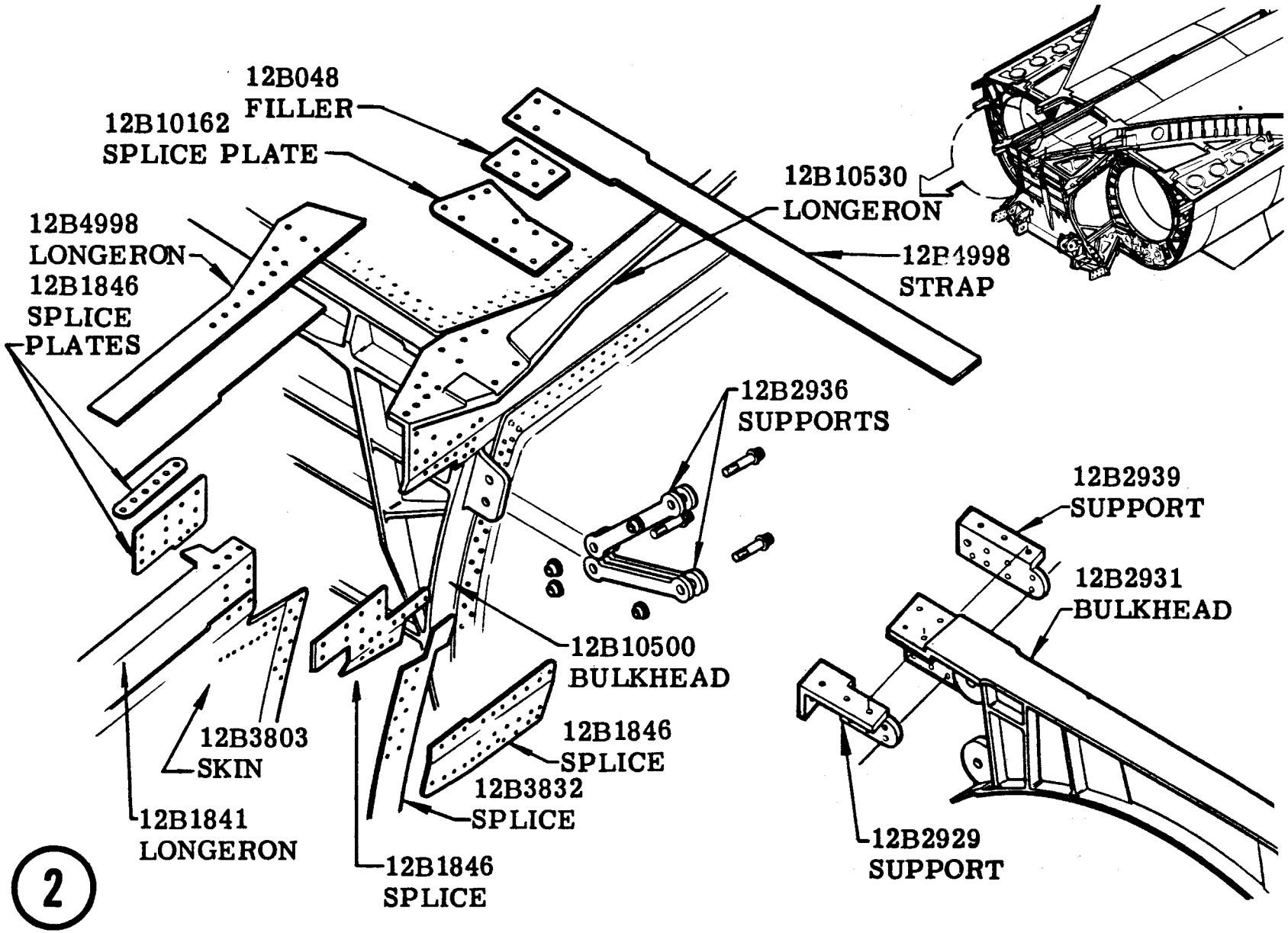


Figure 4-68 F-111E/FB-111 MATING DETAILS (ITEM 81) UNDERWING MAIN LANDING GEAR UPPER BULKHEAD SPLICE STATION 562.0 (TAC 160 and On; Bomber 3 and On)

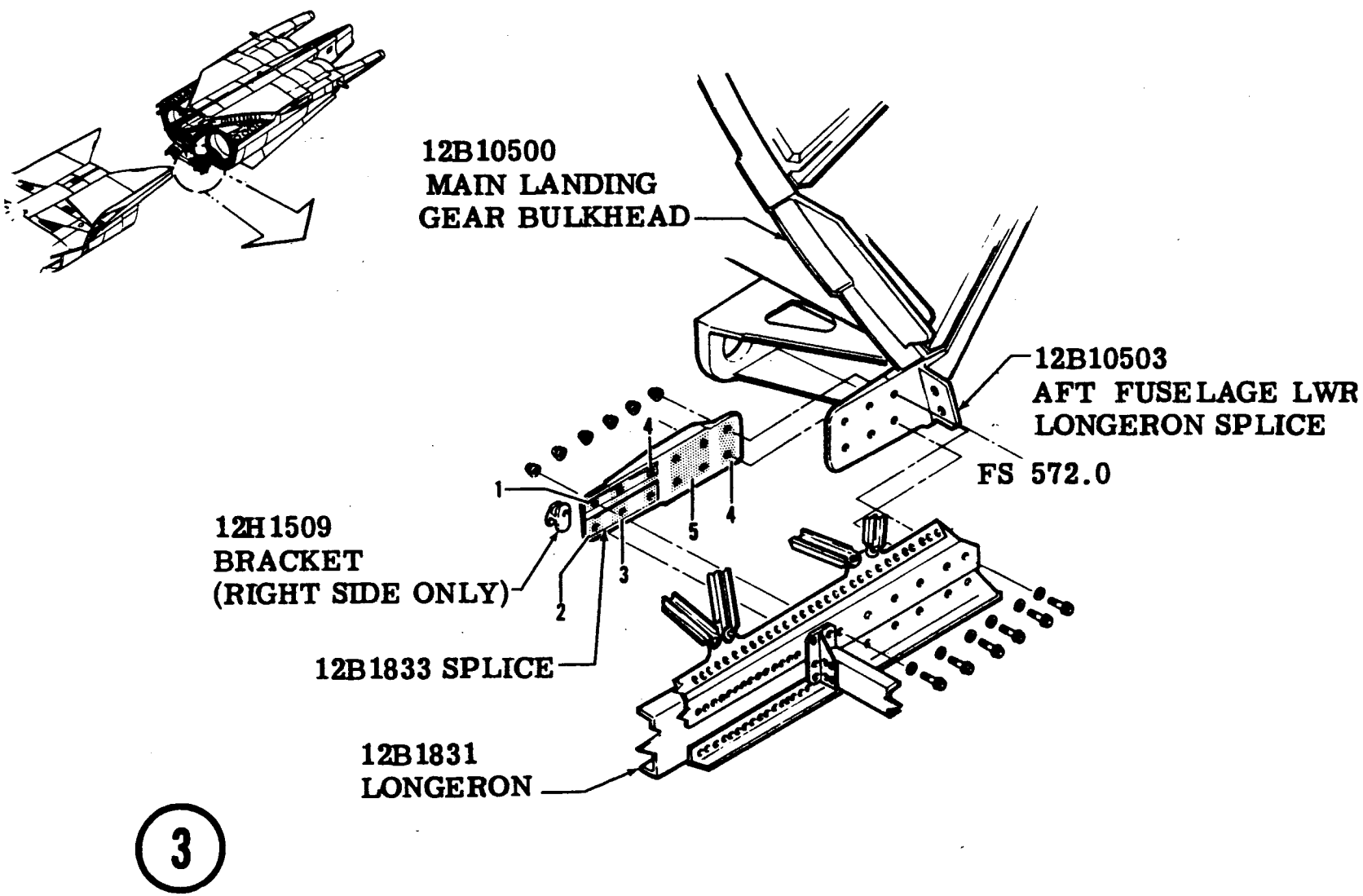


Figure 4-69 F-111E/FB-111 MATING DETAILS (ITEM 81) UNDERWING MAIN LANDING GEAR BULKHEAD LOWER SPLICE STATION 570.0 (TAC 160 and On; Bomber 3 and On)

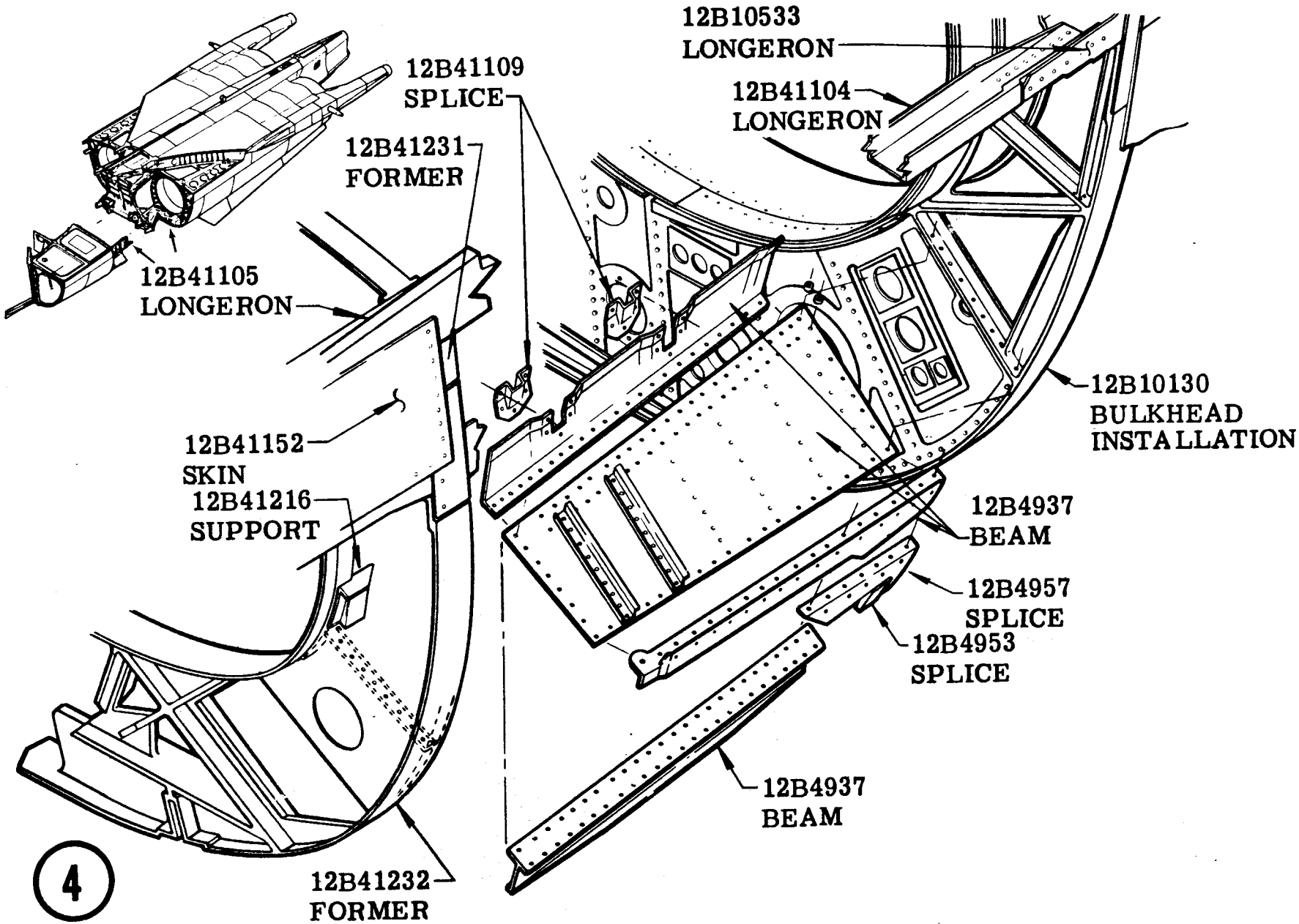


Figure 4-70 F-111E/FB-111 MATING DETAILS (ITEM 81) LOWER AIRFLOW BEAM-OUTBOARD STATION 562 TO 593 (TAC 160 and On; Bomber 3 and On)

LOWER NACELLE BEAM TIE TO STA. 593 BULKHEAD

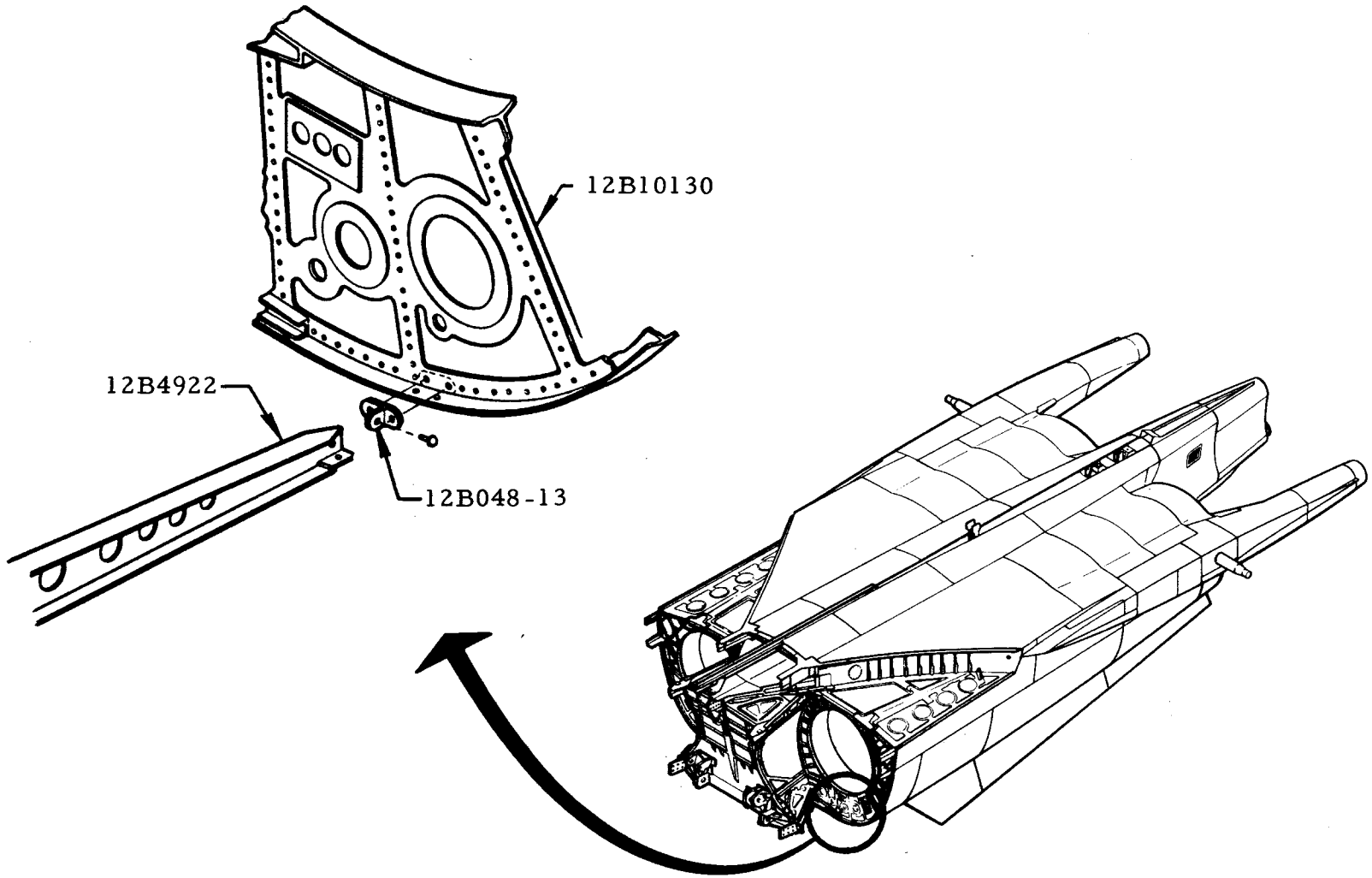
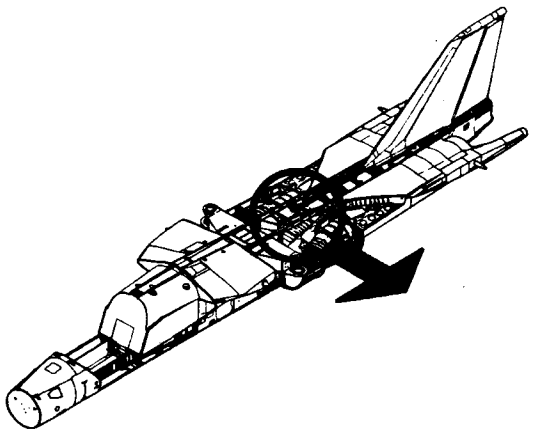


Figure 4-71 F-111E/FB-111 MATING DETAILS (ITEM 81) LOWER NACELLE BEAM TIE TO STATION 593 BULKHEAD (F-111E: A1 160-On; FB-111A: B1 3-On)

ST-1104-26



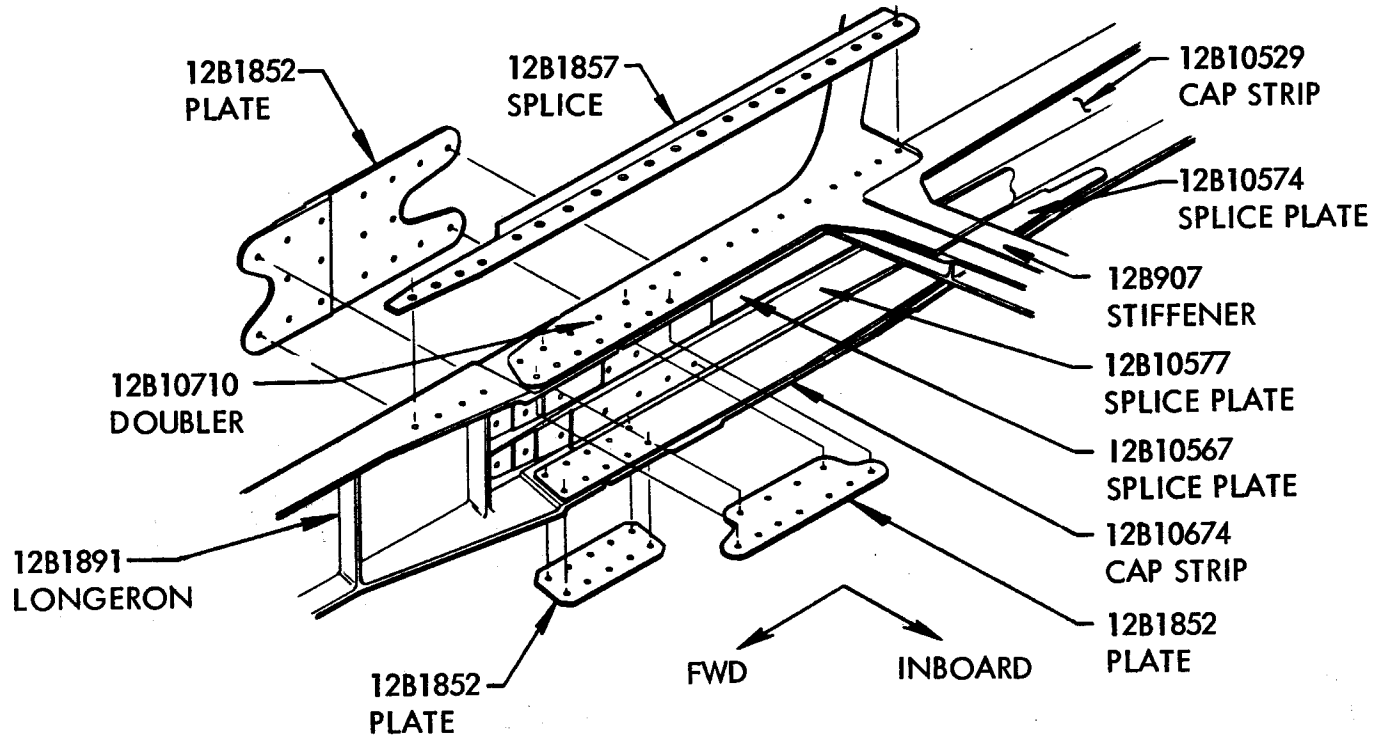


Figure 4-72 F-111E/FB-111 MATING DETAILS (ITEM 81) B.L. 18 SPLICE STATION 581
(F-111E: A1 160-On; FB-111A: B1 3-On)

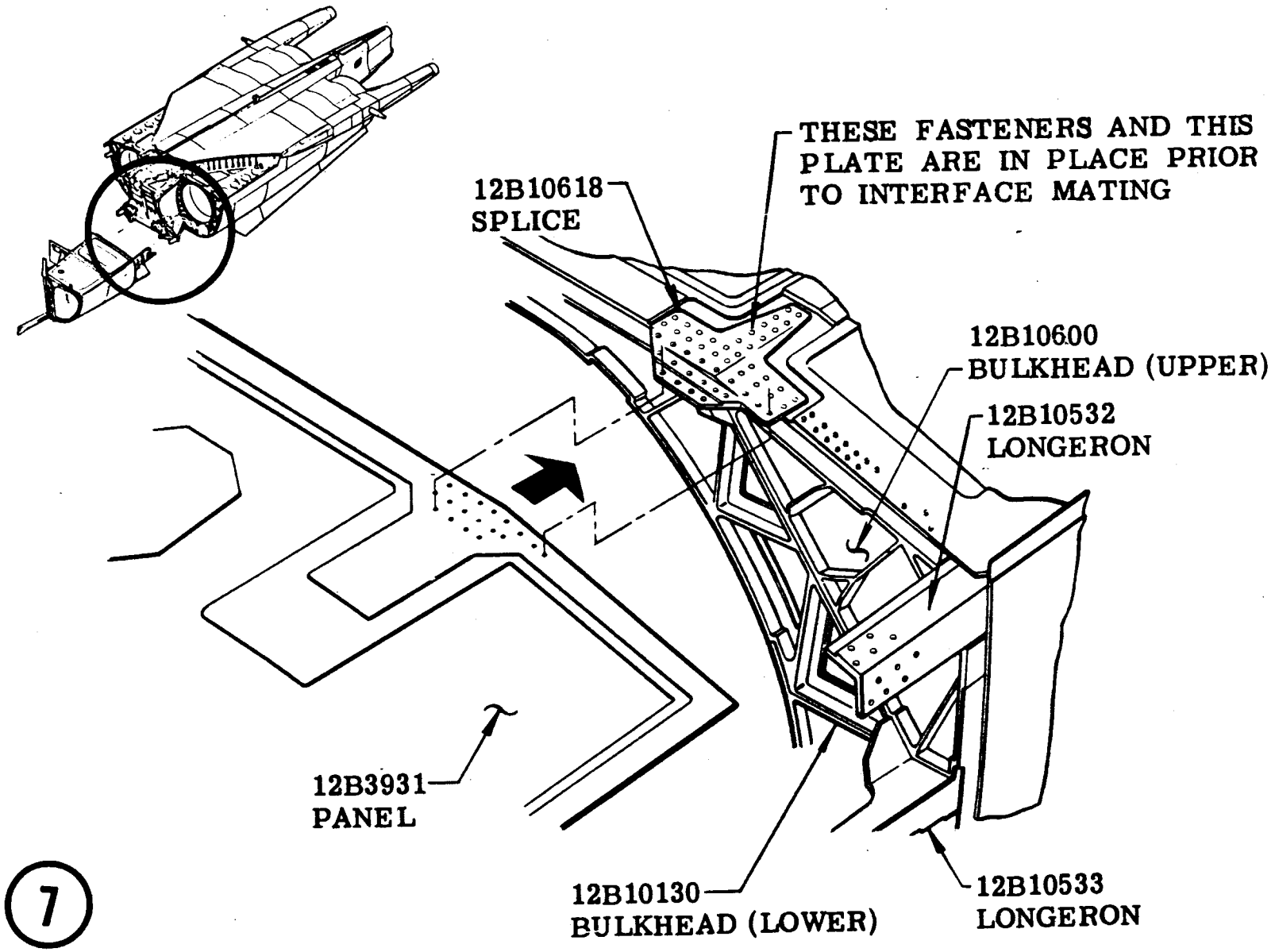


Figure 4-73 F-111E/FB-111 MATING DETAILS (ITEM 81) AFT UNDERWING PANEL INSTALLATION TO BULKHEAD STATION 593 (TAC 160 and On; Bomber 3 and On)

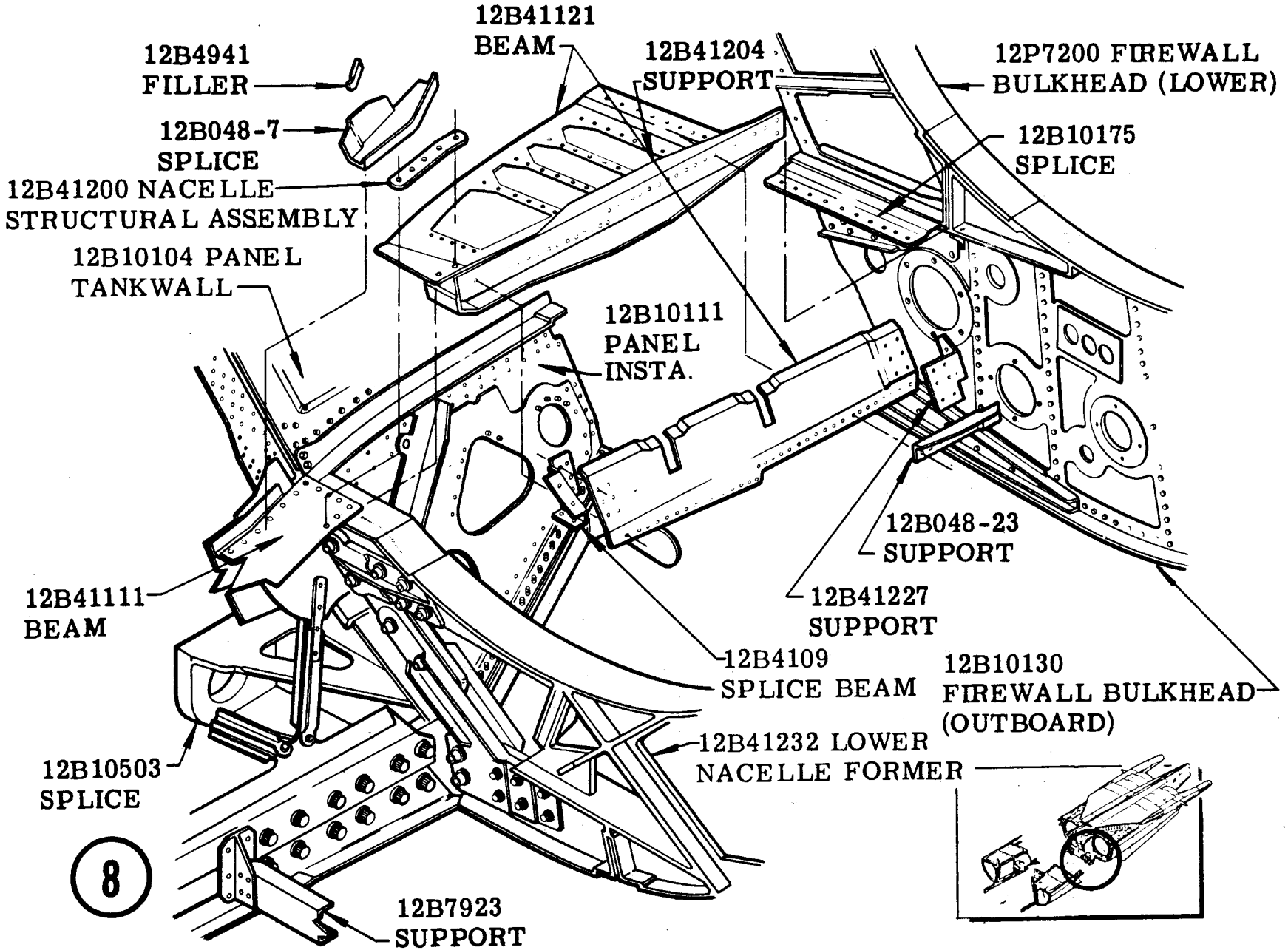


Figure 4-74 F-111E/FB-111 MATING DETAILS (ITEM 81) LOWER BOUNDARY AIR BEAM INSTALLATION TO GAEC SECTION STATION 572 TO 593 (TAC 160 and On; Bomber 3 and On)

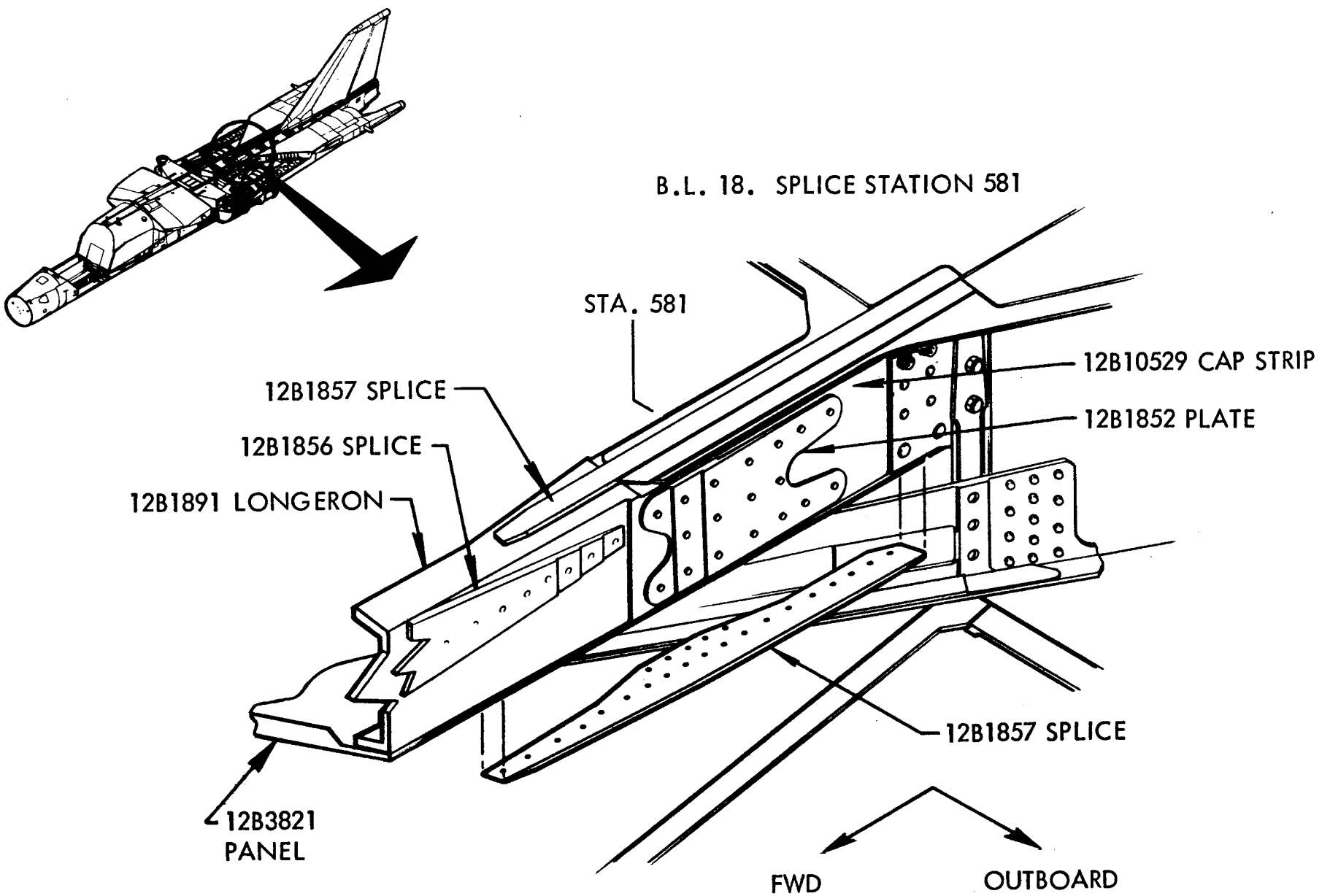


Figure 4-75 F-111E/FB-111 MATING DETAILS (ITEM 81) B.L. 18 SPLICE STATION 581

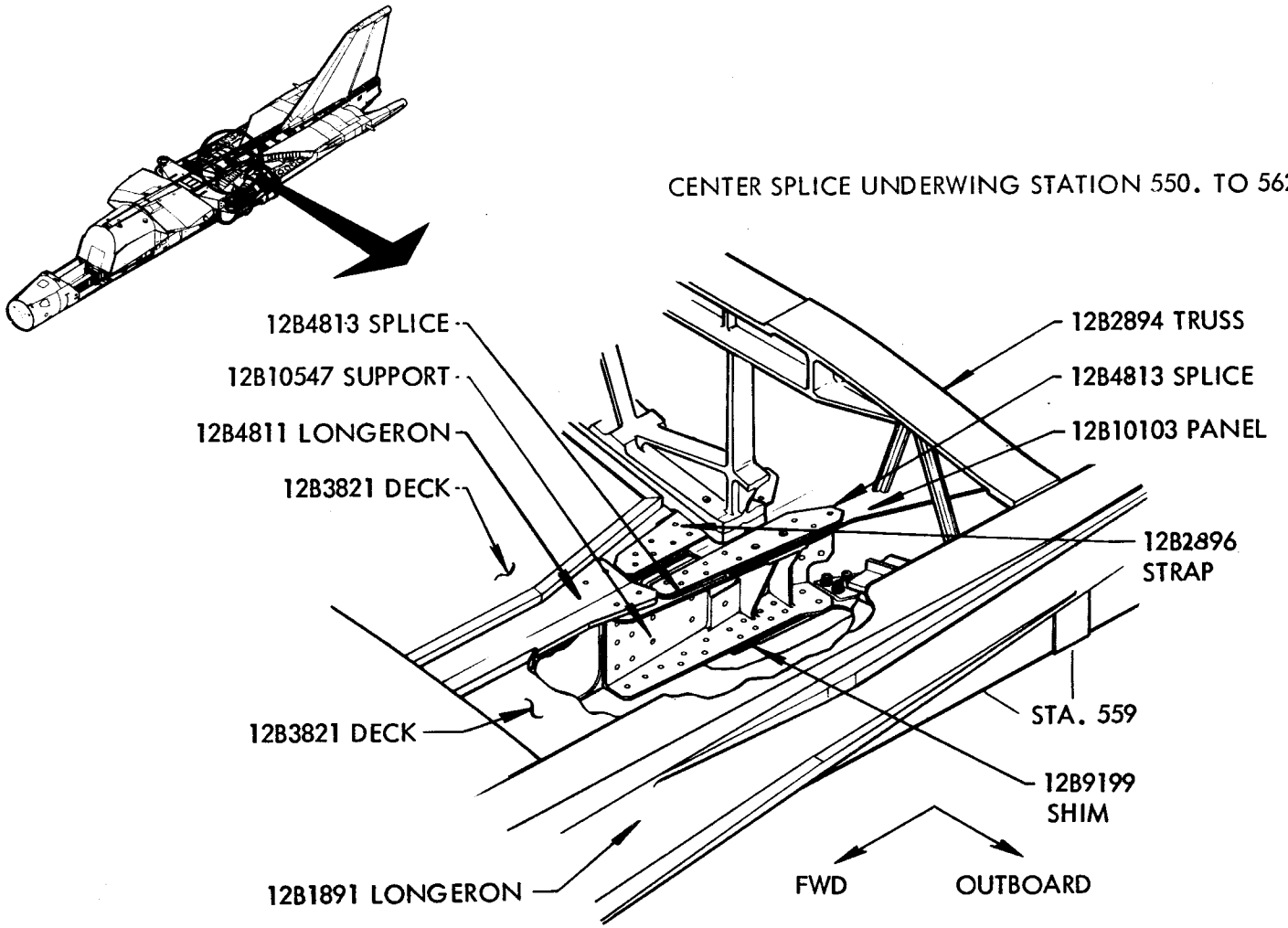


Figure 4-76 F-111E/FB-111 MATING DETAILS (ITEM 81) SPLICE UNDERWING STATION 550 TO 562

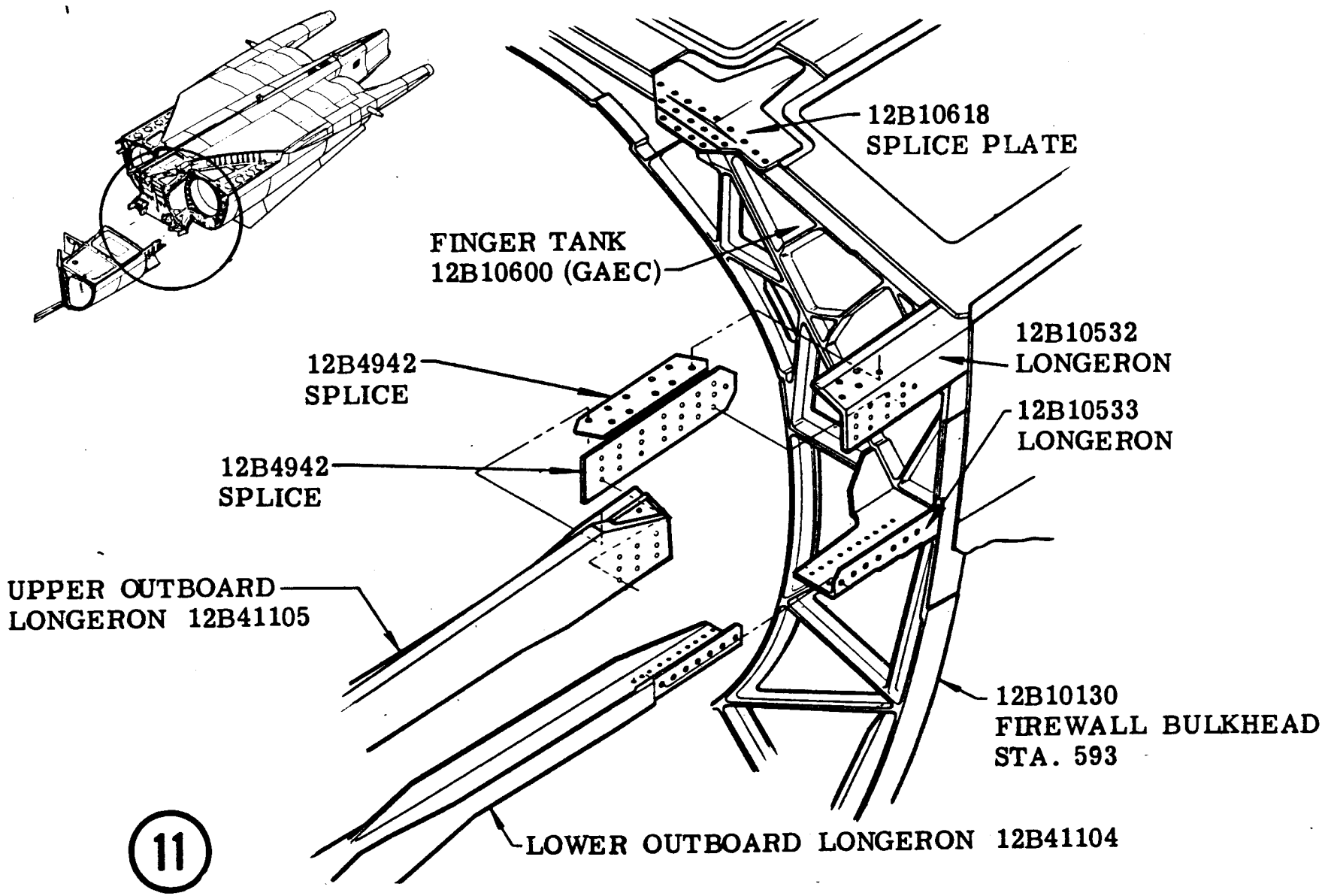


Figure 4-77 F-111E/FB-111 MATING DETAILS (ITEM 81) OUTBOARD NACELLE LONGERON SPLICE STATION 585.0 (TAC 160 and On; Bomber 3 and On)

ST-1104-20

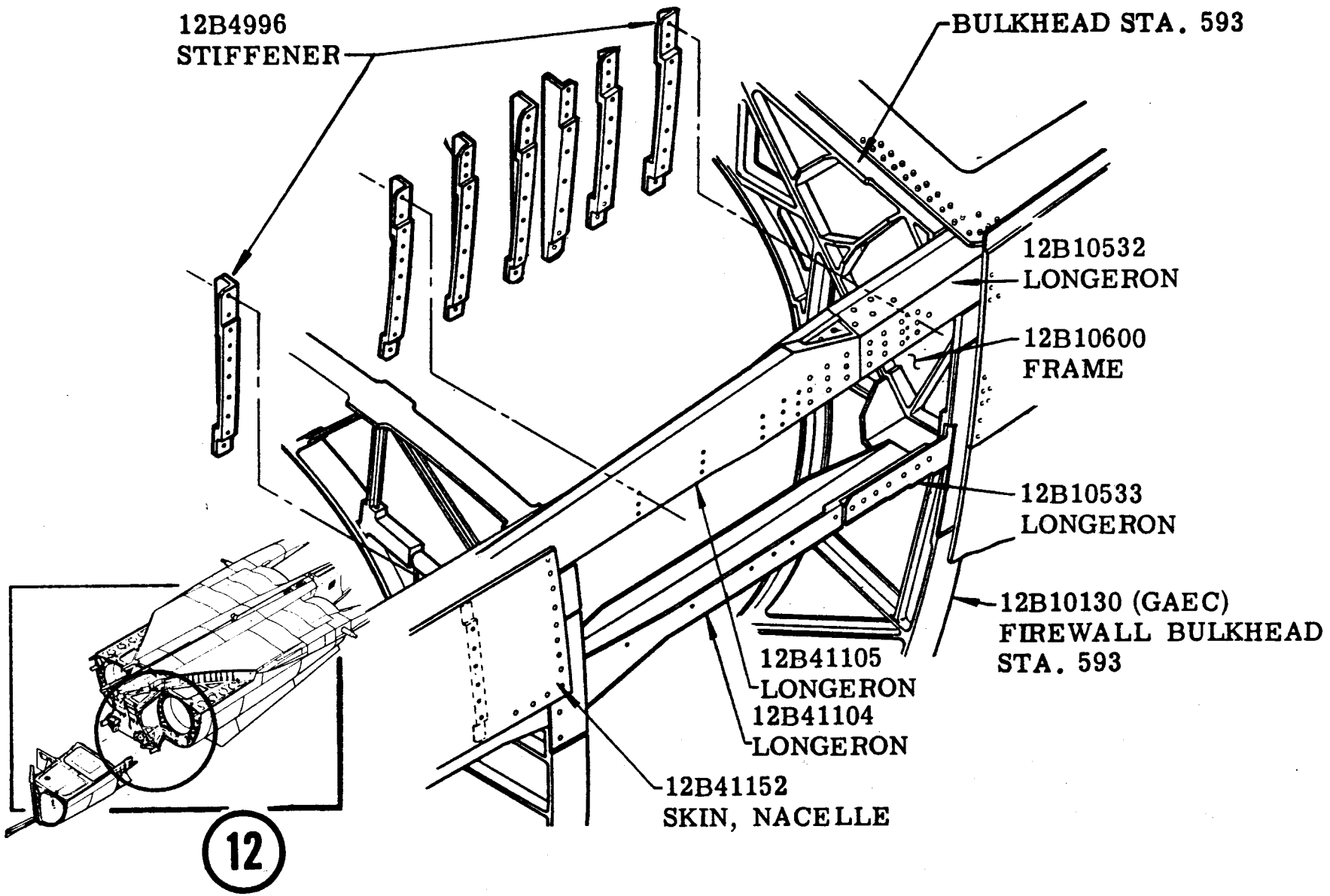


Figure 4-78 F-111E/FB-111 MATING DETAILS (ITEM 81) OUTBOARD UPPER NACELLE LONGERON SUPPORTS STATION 558.0 TO 593.0 (TAC 160 and On; Bomber 3 and On

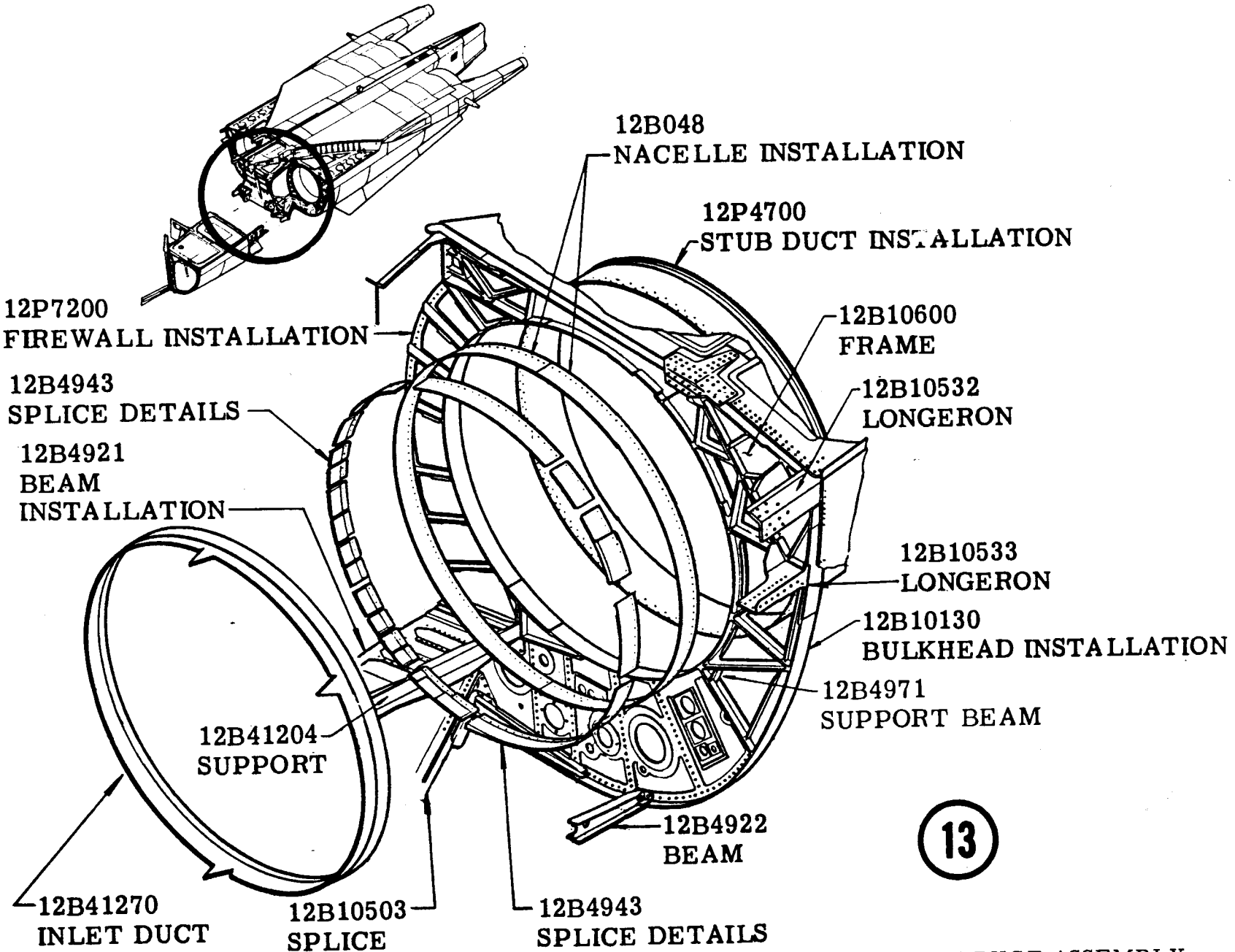


Figure 4-79 F-111E/FB-111 MATING DETAILS (ITEM 81) PRIMARY INLET DUCT ASSEMBLY TO GAEC BULKHEAD STATION 593.0 (TAC 160 and On; Bomber 3 and On)

ST-1104-18

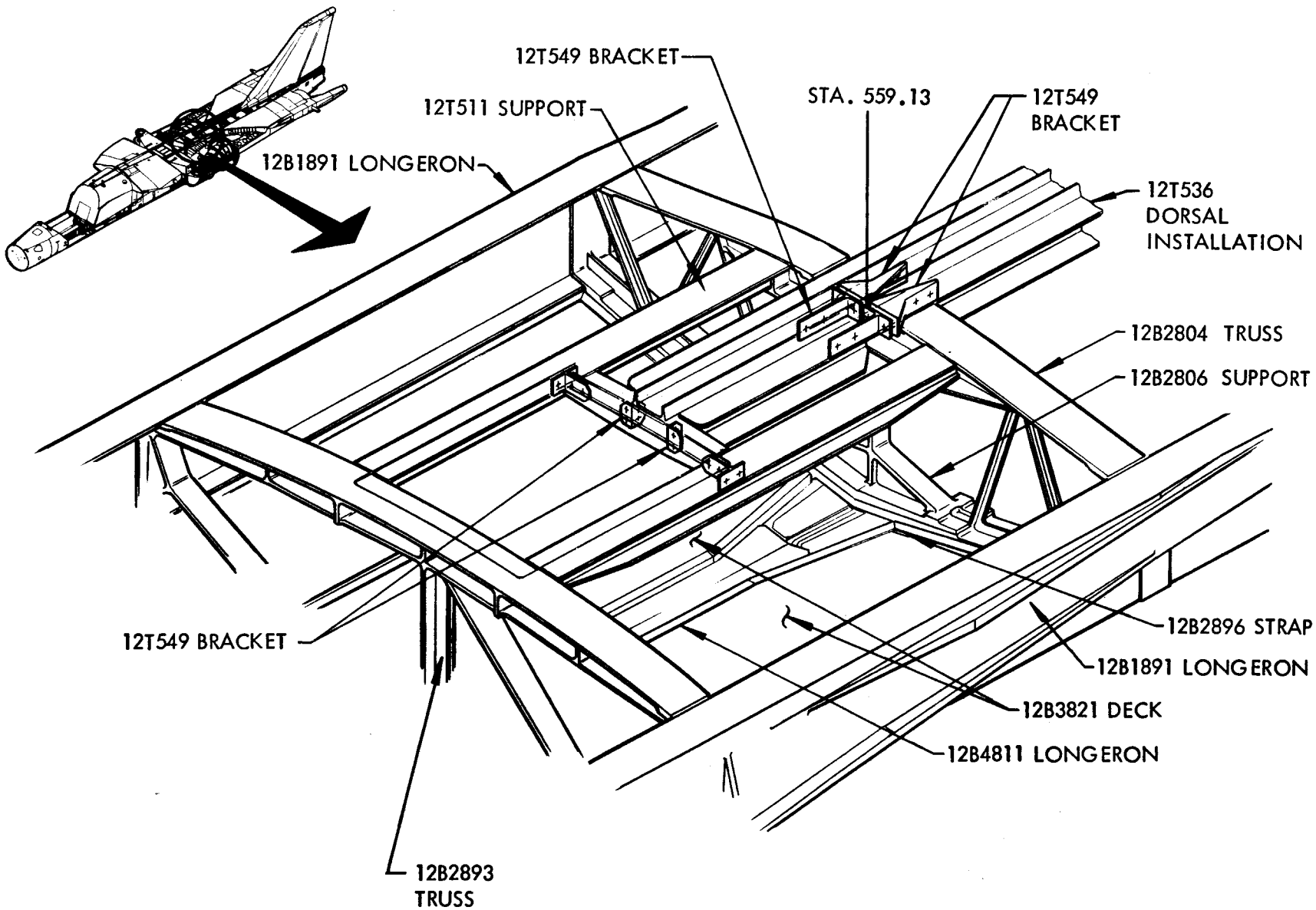


Figure 4-80 F-111E/FB-111 MATING DETAILS (ITEM 81) OVERWING DORSAL INSTALLATION SPLICE STATION 545 TO 560

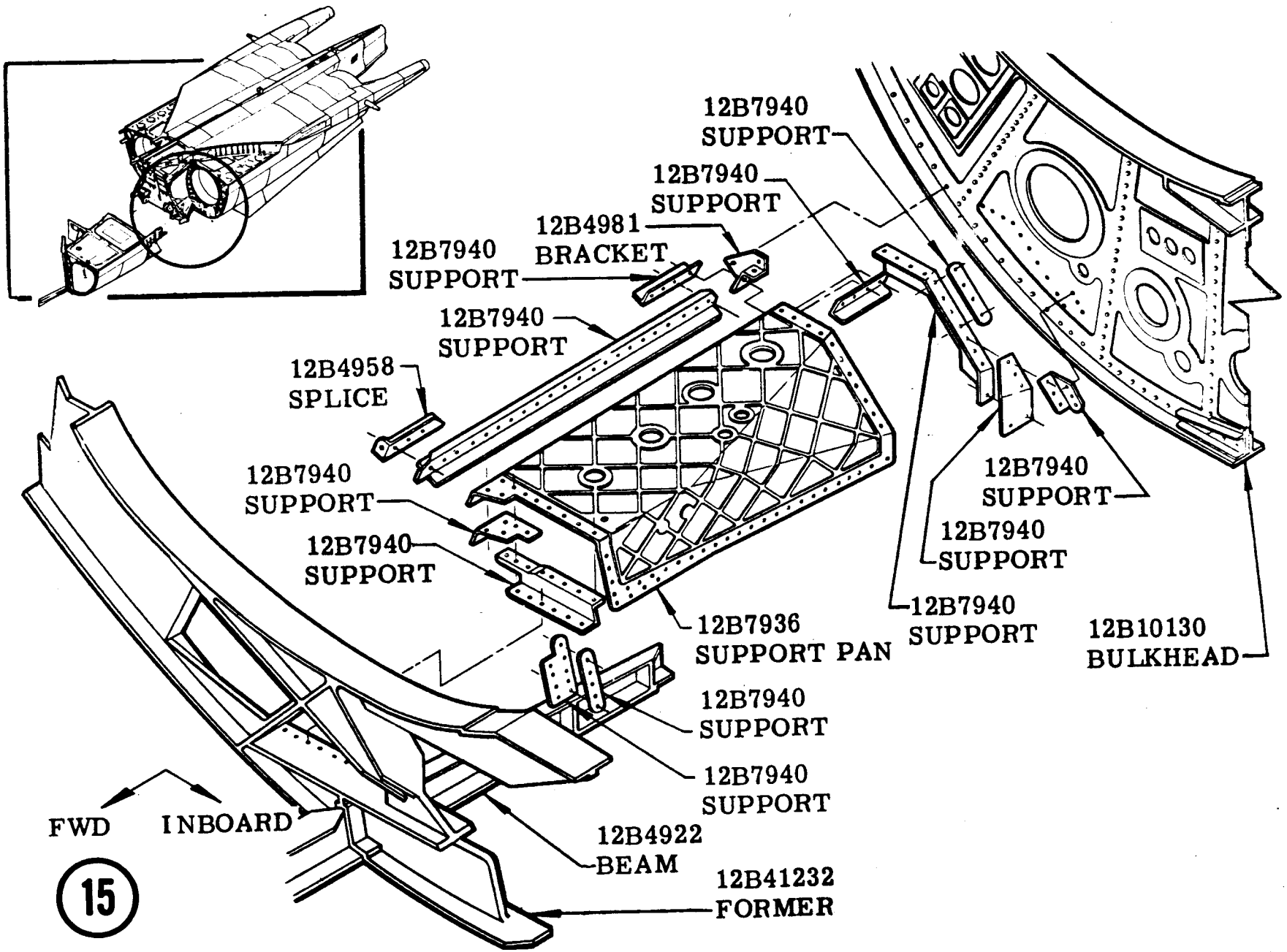


Figure 4-81 F-111E/FB-111 MATING DETAILS (ITEM 81) HYDRAULIC GROUND DISCONNECT SUPPORT INSTALLATION (RIGHT HAND ONLY) (TAC 160 and On; Bomber 3 and On)

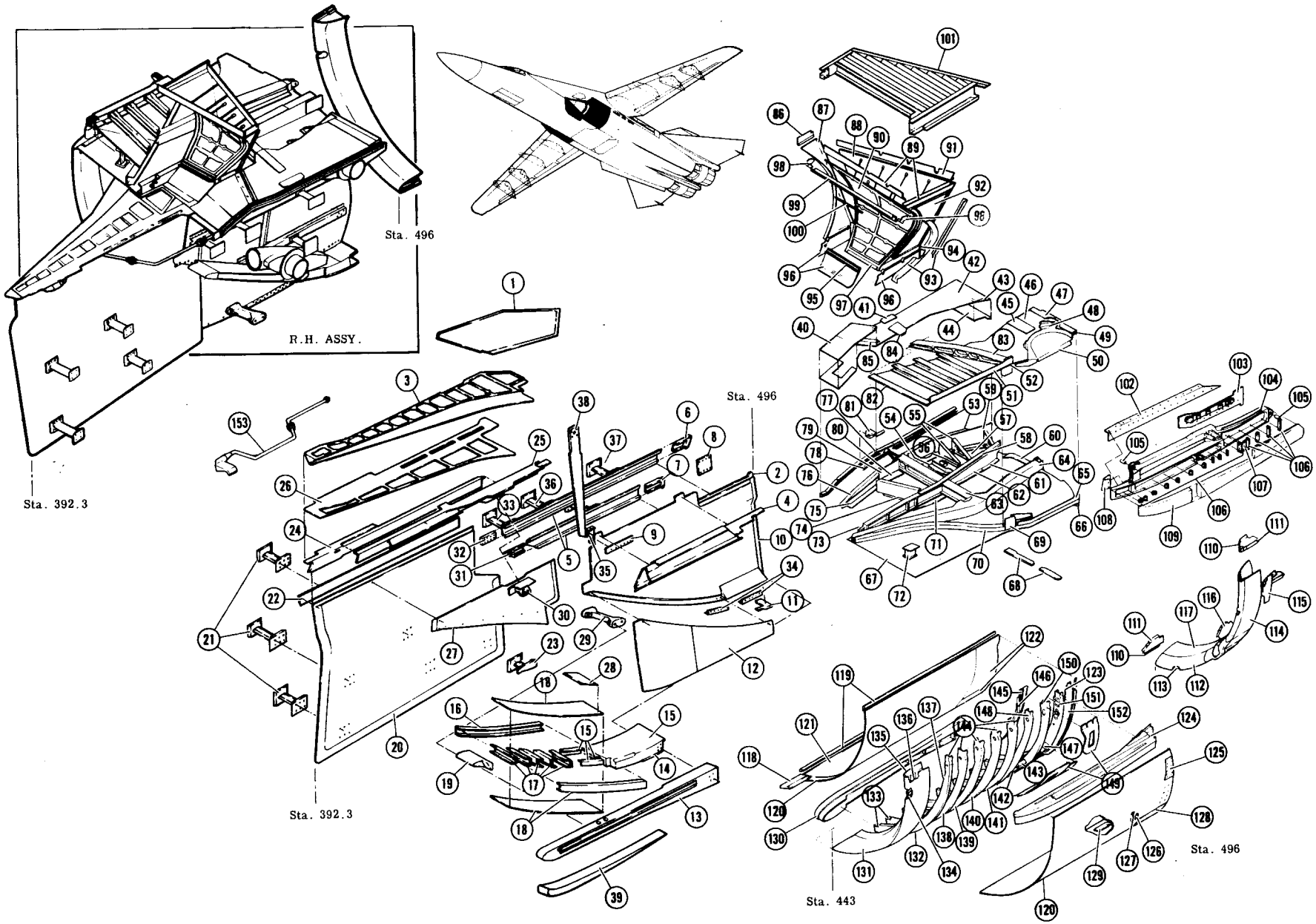
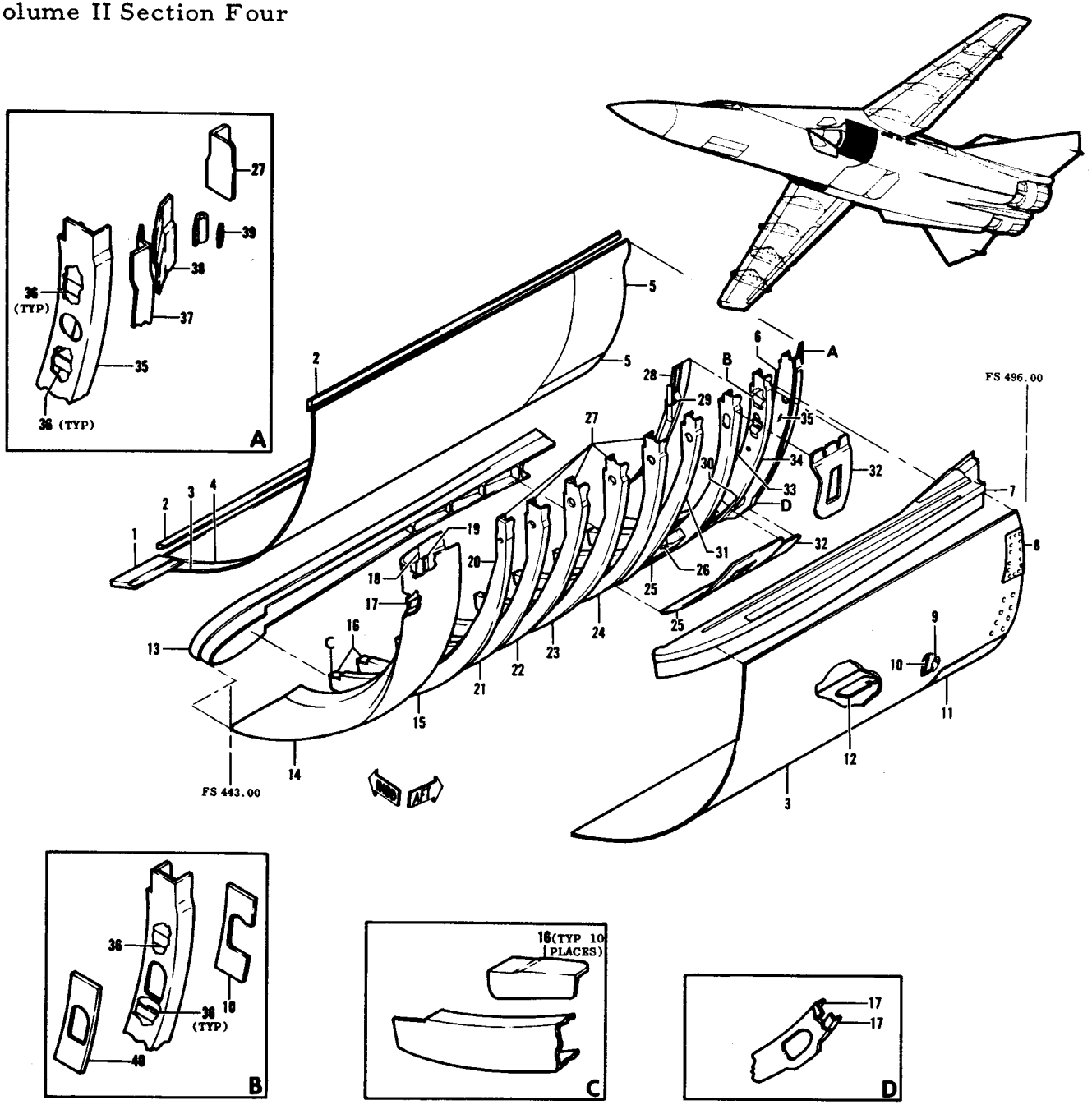


Figure 4-82 F-111A NACELLE INLET - TRIPLE PLOW I (TAC 31 thru 159)

ST-776-105
Sht. 1 of 2



1.	12P11435	Clip
2.	12P11420	Retainer
3.	12P11413	Skin
4.	12P11418	Skin
5.	12P11407	Skin
6.	12P11415	Filler
7.	12P11411	Track Upper
8.	12P11417	Cover
9.	12P11415	Cover
10.	12P11415	Doubler
11.	12P11807	Cover
12.	12P11415	Doubler
13.	12P11412	Track Lwr.
14.	12P11414	Skin
15.	12P11421	Former
16.	12P11415	Clips
17.	12P11414	Angle
18.	12P11414	Splice
19.	12P11414	Stiffener
20.	12P11415	Retainer
21.	12P11422	Former
22.	12P11423	Former
23.	12P11427	Former
24.	12P11428	Former
25.	12P11433	Doubler
26.	12P11415	Stiffener
27.	12P11424	Clips
28.	12P11416	Band
29.	12P11416	Outlet
30.	12P11406	Bracket
31.	12P11429	Former
32.	12P11433	Doublers
33.	12P11430	Former
34.	12P11431	Former
35.	12P11432	Former
36.	12P11415	Webs
37.	12P11415	Stiffener
38.	12P11415	Fairing
39.	12P11415	Retainer
40.	12P11415	Doubler

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

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

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

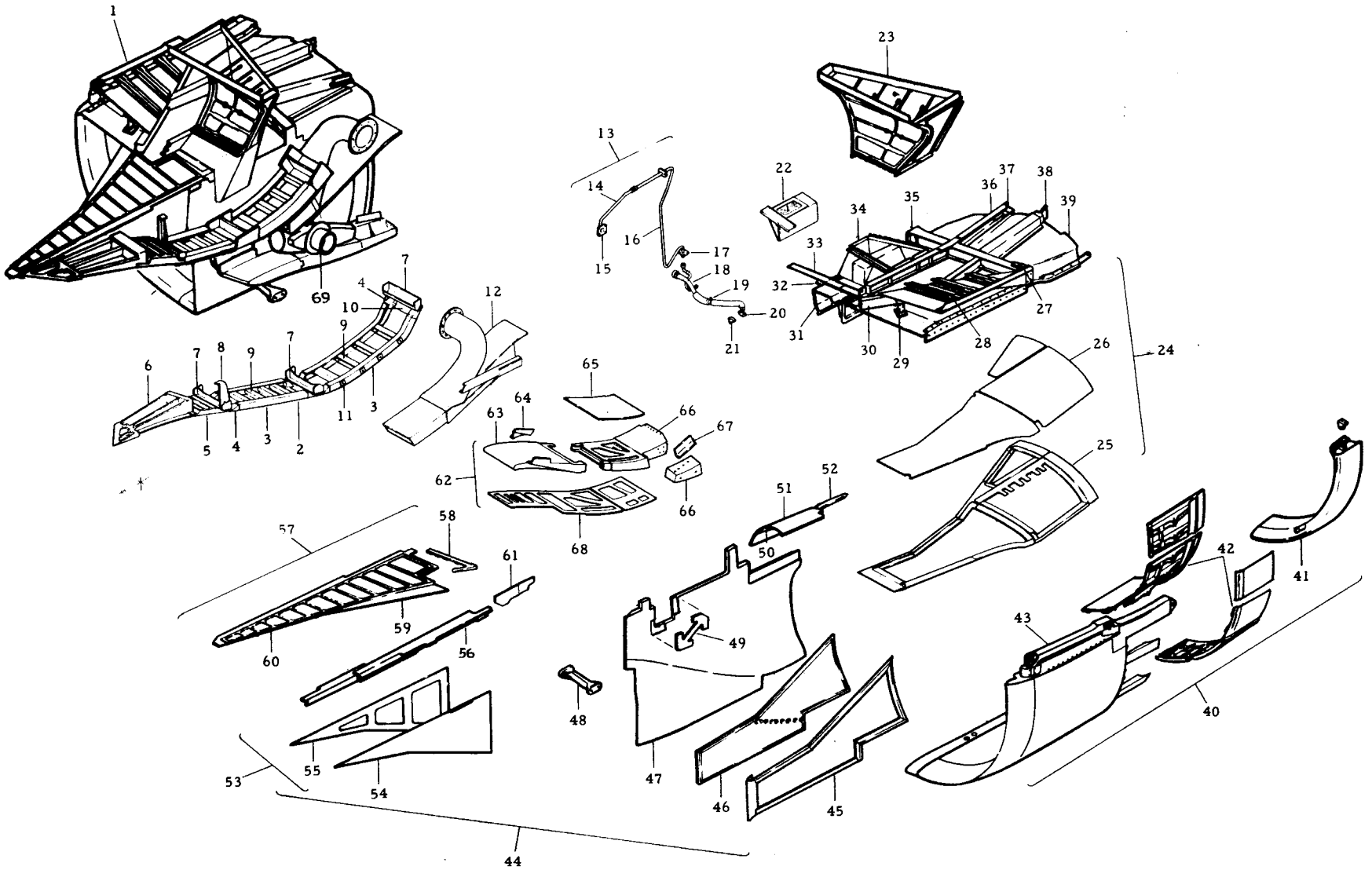


Figure 4-85 NACELLE INLET ASSEMBLY (FB-111A: B1 3-19; F-111E: A1 160-189)

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

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

ST-776-154A
Sht. 2 of 2

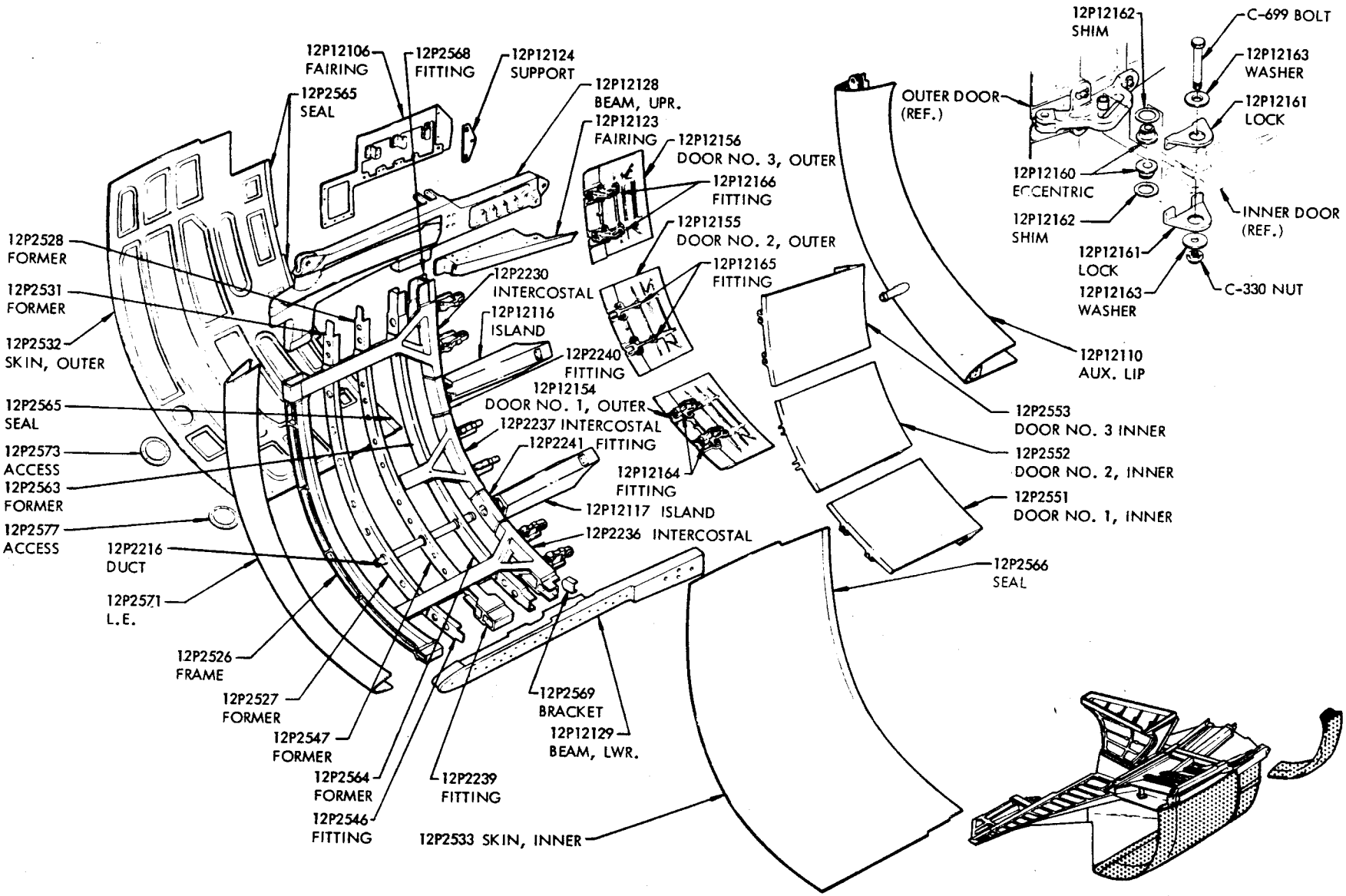


Figure 4-87 NACELLE INLET - FIXED COWL (FB-111A: B1 3-6)

ST-776-118A

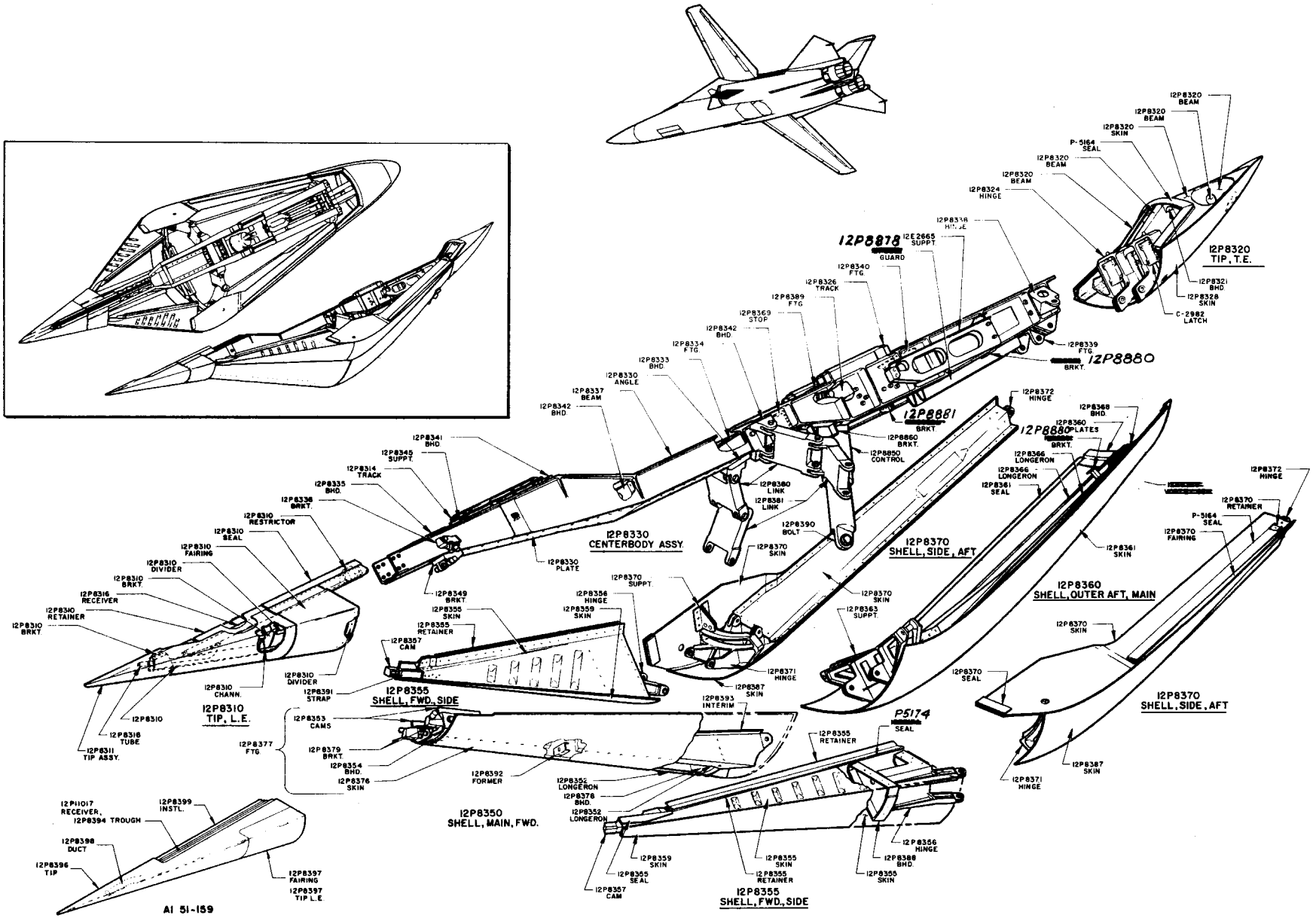
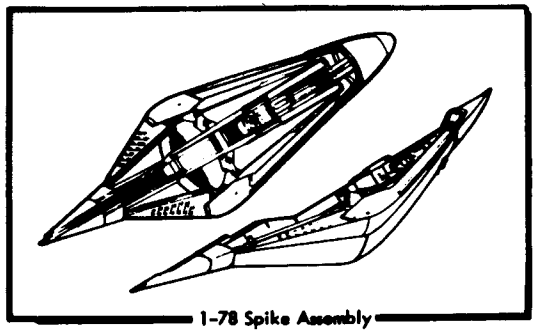
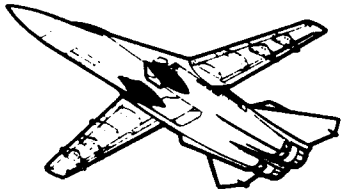
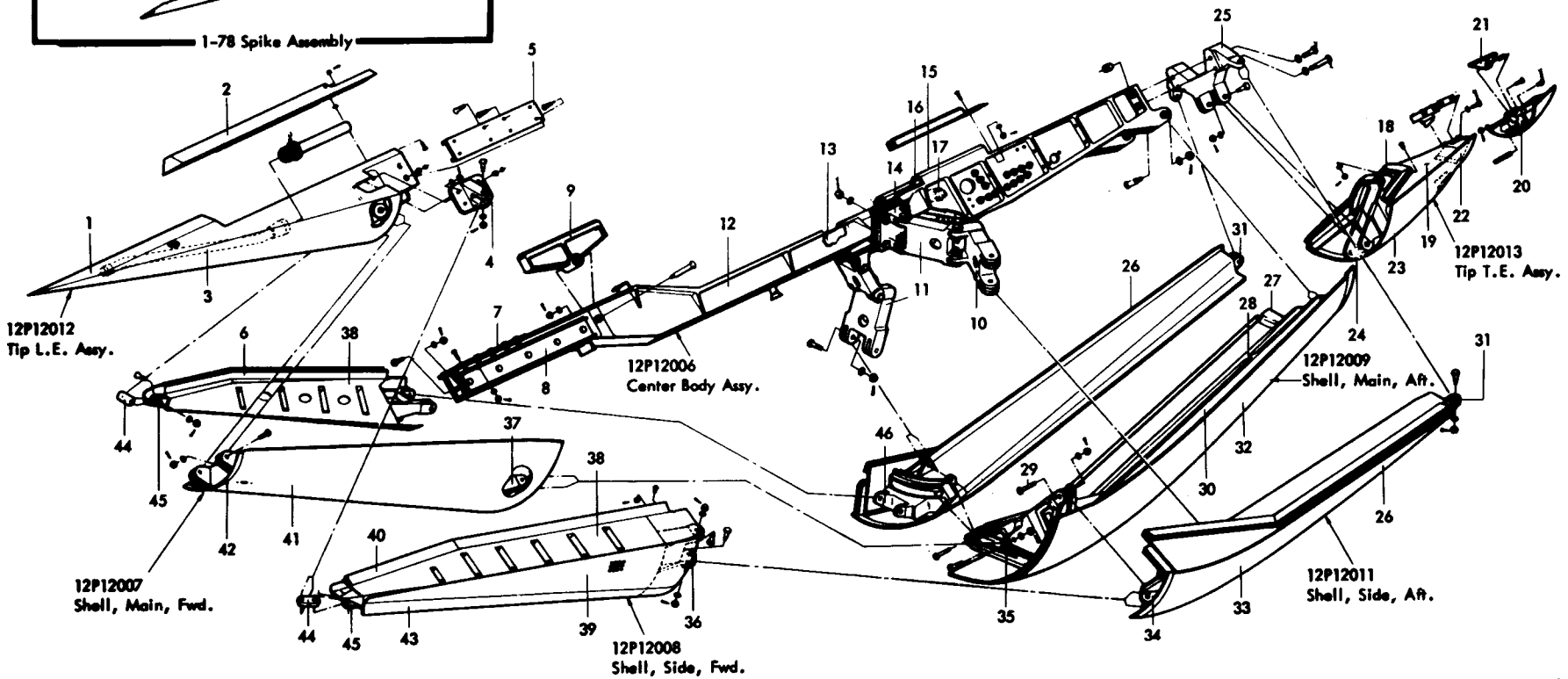


Figure 4-88 F-111A SPIKE ASSEMBLY (TAC 31 thru 159)

ST-780-12A







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	Ftg.	14.	12P11253	Ftg.	24.	12P12042	Hinge	34.	12P12021	Hinge	44.	12P12066	Link
5.	12P12069	Track	15.	12P11277	Plate	25.	12P12020	Hinge	35.	12P12029	Support	45.	12P12028	Ftg. 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	Ftg. Actuatur	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	Ftg.	30.	12P12032	Longeron	40.	12P12008	Seal & Retainer			

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

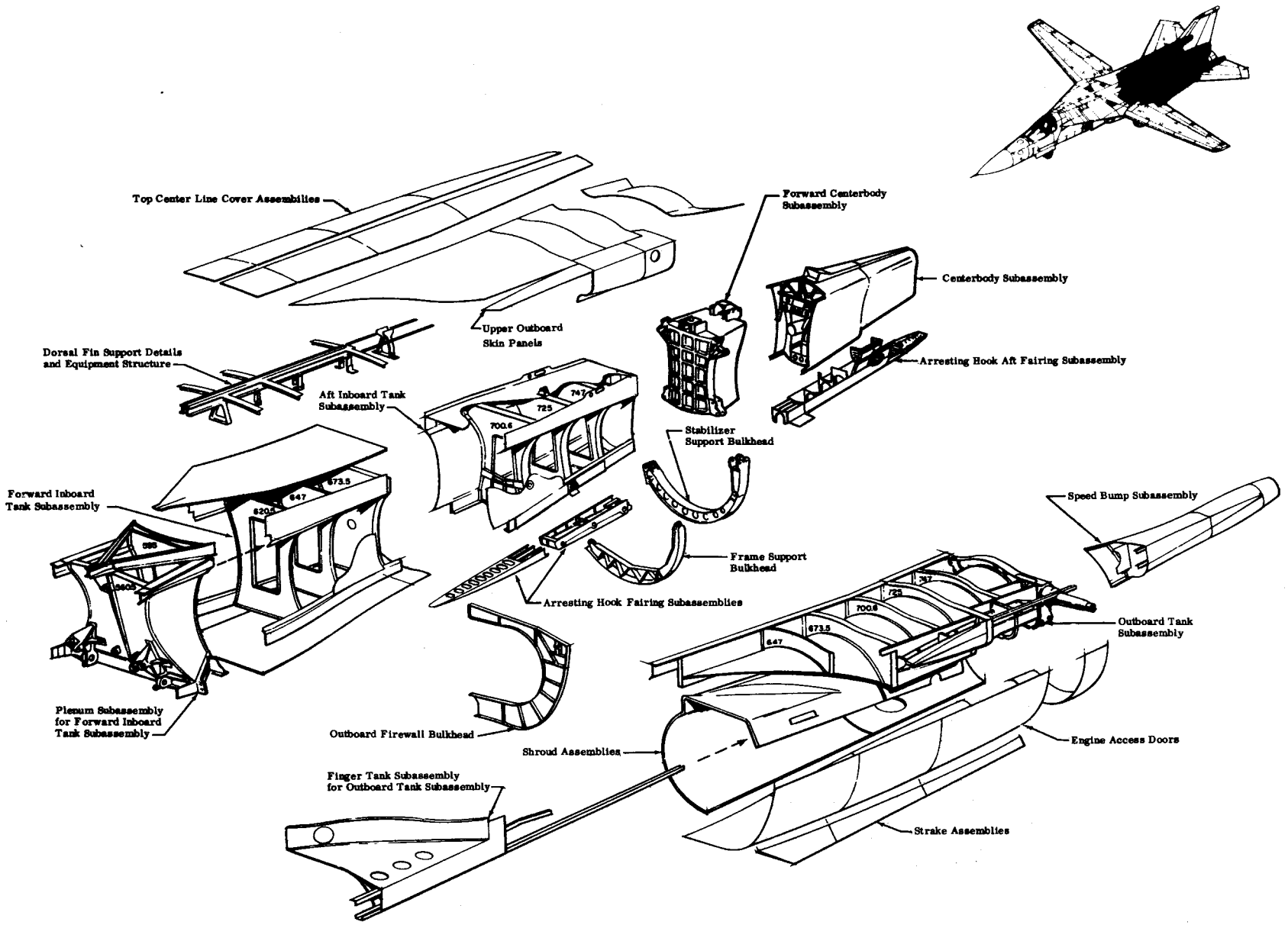


Figure 4-90 AFT FUSELAGE PRODUCTION BREAKDOWN

ST-697-53

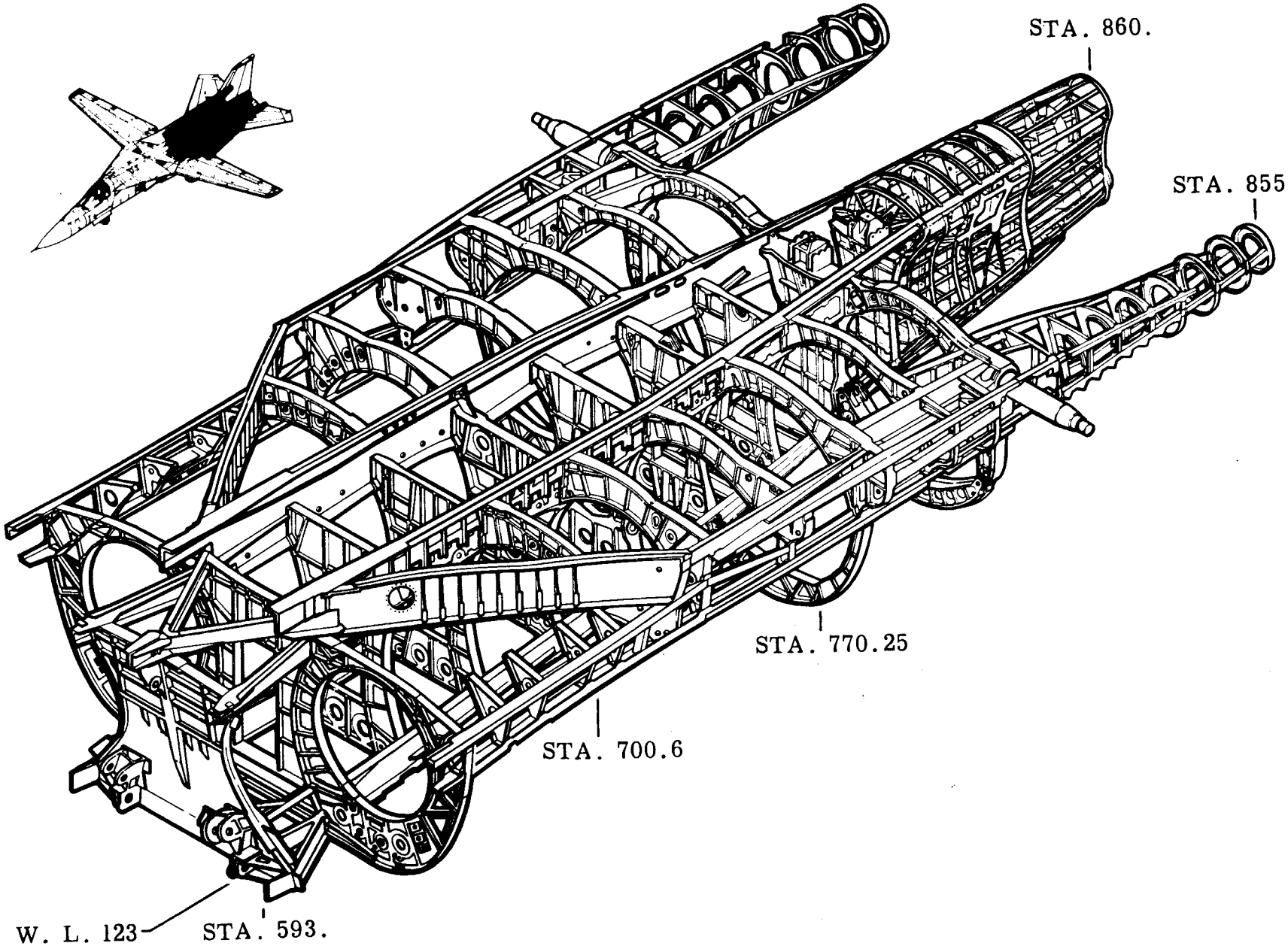
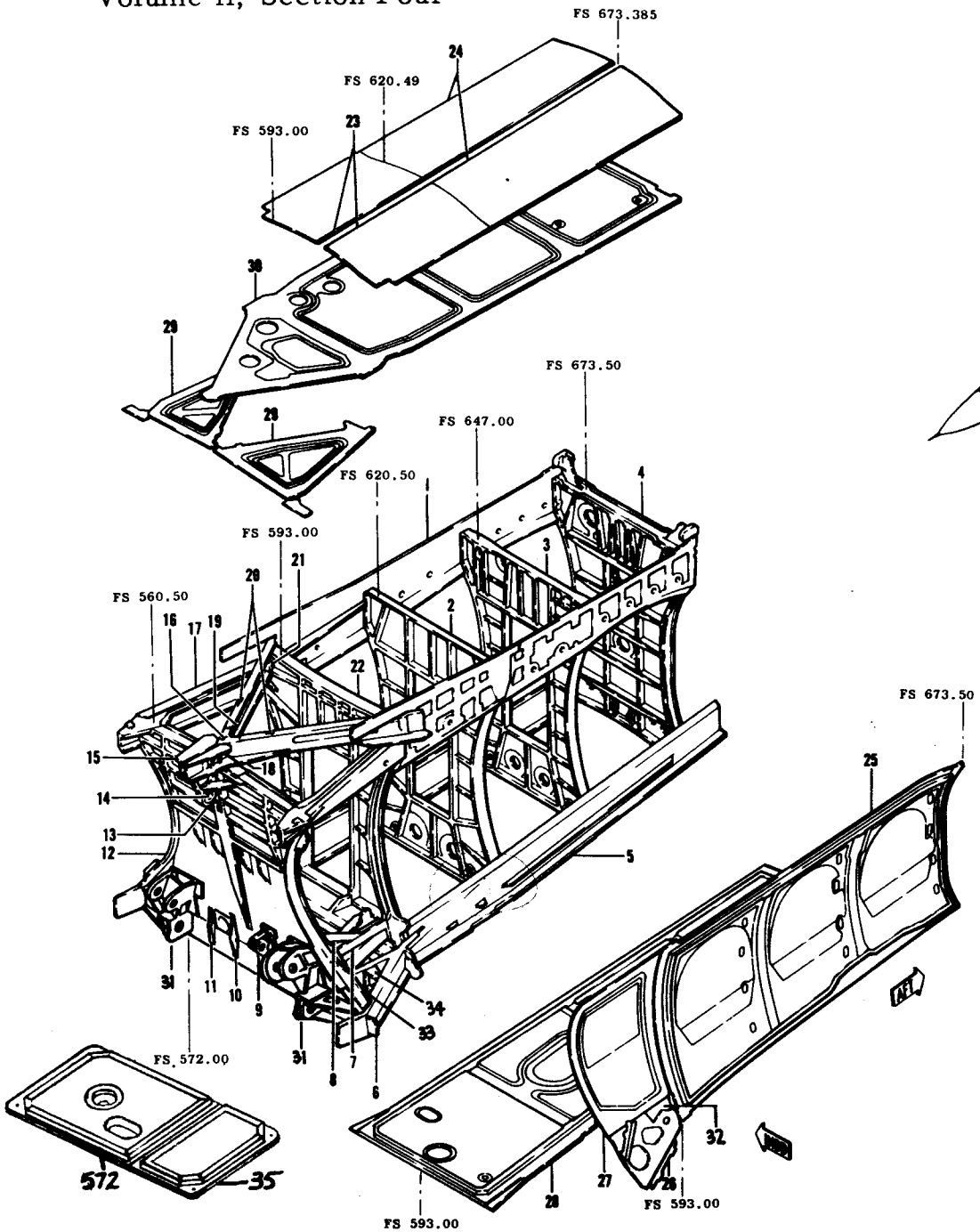
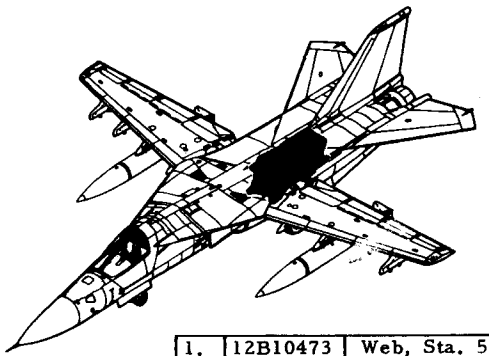


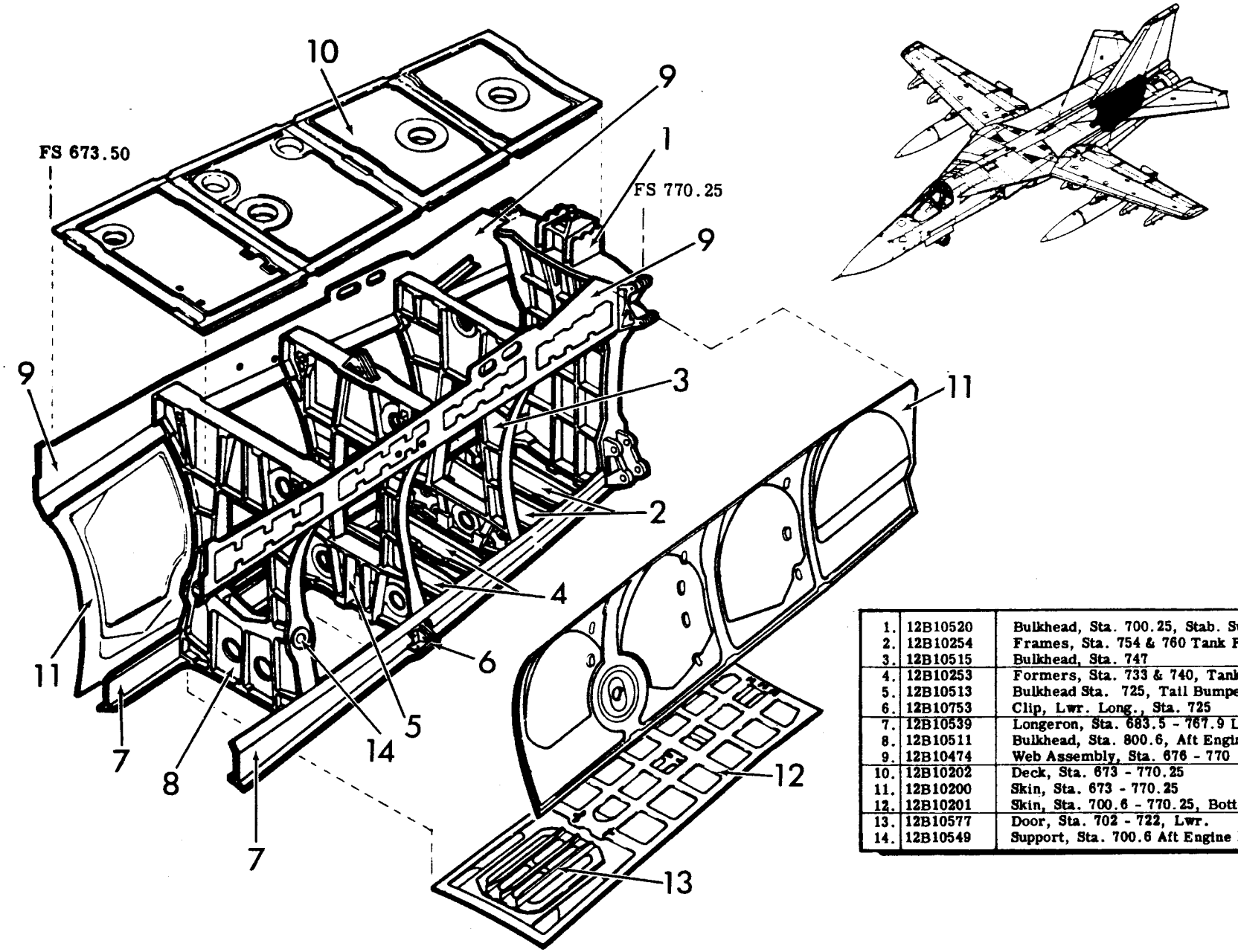
Figure 4-91 AFT FUSELAGE STRUCTURE





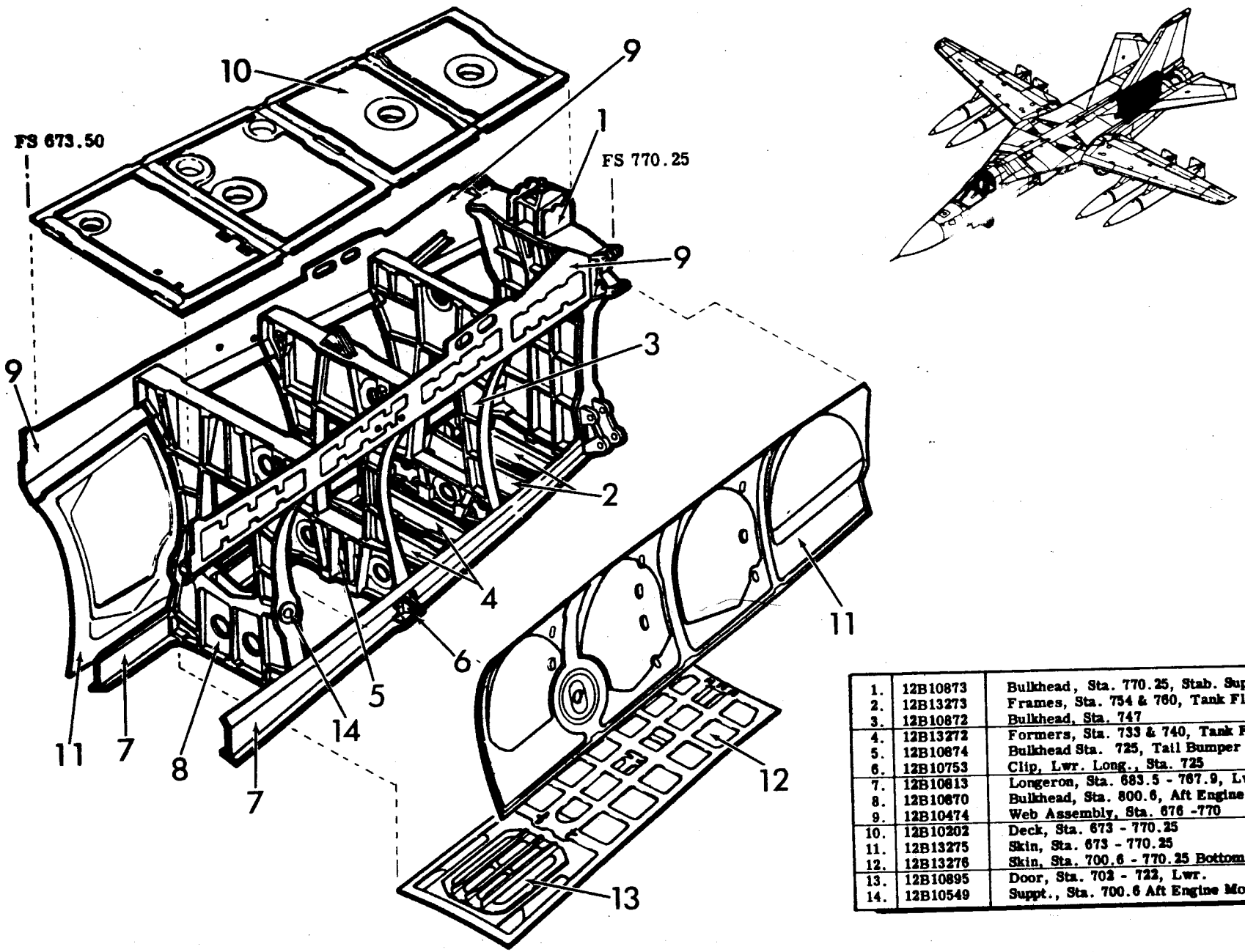
1.	12B10473	Web, Sta. 595-673. Upr. Longeron
2.	12B10505	Bulkhead, Sta. 620.5
3.	12B10507	Bulkhead, Sta. 647
4.	12B10509	Bulkhead, Sta. 673.5
5.	12B10812	Longeron, Sta. 594-684, Lwr.
6.	12B10503	Splice, Lower Longeron
7.	12B10594	Floor - Sta. 571-593
8.	12B10712	Stiffener, Sta. 572-583
9.	12B10570	Support - 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



1.	12B10520	Bulkhead, Sta. 700.25, Stab. Support
2.	12B10254	Frames, Sta. 754 & 760 Tank Floor
3.	12B10515	Bulkhead, Sta. 747
4.	12B10253	Formers, Sta. 733 & 740, Tank Floor
5.	12B10513	Bulkhead Sta. 725, Tail Bumper
6.	12B10753	Clip, Lwr. Long., Sta. 725
7.	12B10539	Longeron, Sta. 683.5 - 767.9 Lwr.
8.	12B10511	Bulkhead, Sta. 800.6, Aft Engine Mount
9.	12B10474	Web Assembly, Sta. 676 - 770
10.	12B10202	Deck, Sta. 673 - 770.25
11.	12B10200	Skin, Sta. 673 - 770.25
12.	12B10201	Skin, Sta. 700.6 - 770.25, Bottom
13.	12B10577	Door, Sta. 702 - 722, Lwr.
14.	12B10549	Support, Sta. 700.6 Aft Engine Mount

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



1.	12B10873	Bulkhead, Sta. 770.25, Stab. Support
2.	12B13273	Frames, Sta. 754 & 760, Tank Floor
3.	12B10872	Bulkhead, Sta. 747
4.	12B13272	Formers, Sta. 733 & 740, Tank Floor
5.	12B10874	Bulkhead Sta. 725, Tail Bumper
6.	12B10753	Clip, Lwr. Long., Sta. 725
7.	12B10813	Longeron, Sta. 683.5 - 767.9, Lwr.
8.	12B10870	Bulkhead, Sta. 800.6, Aft Engine Mount
9.	12B10474	Web Assembly, Sta. 676 -770
10.	12B10202	Deck, Sta. 673 - 770.25
11.	12B13275	Skin, Sta. 673 - 770.25
12.	12B13276	Skin, Sta. 700.6 - 770.25 Bottom
13.	12B10895	Door, Sta. 702 - 722, Lwr.
14.	12B10549	Suppt., Sta. 700.6 Aft Engine Mount

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

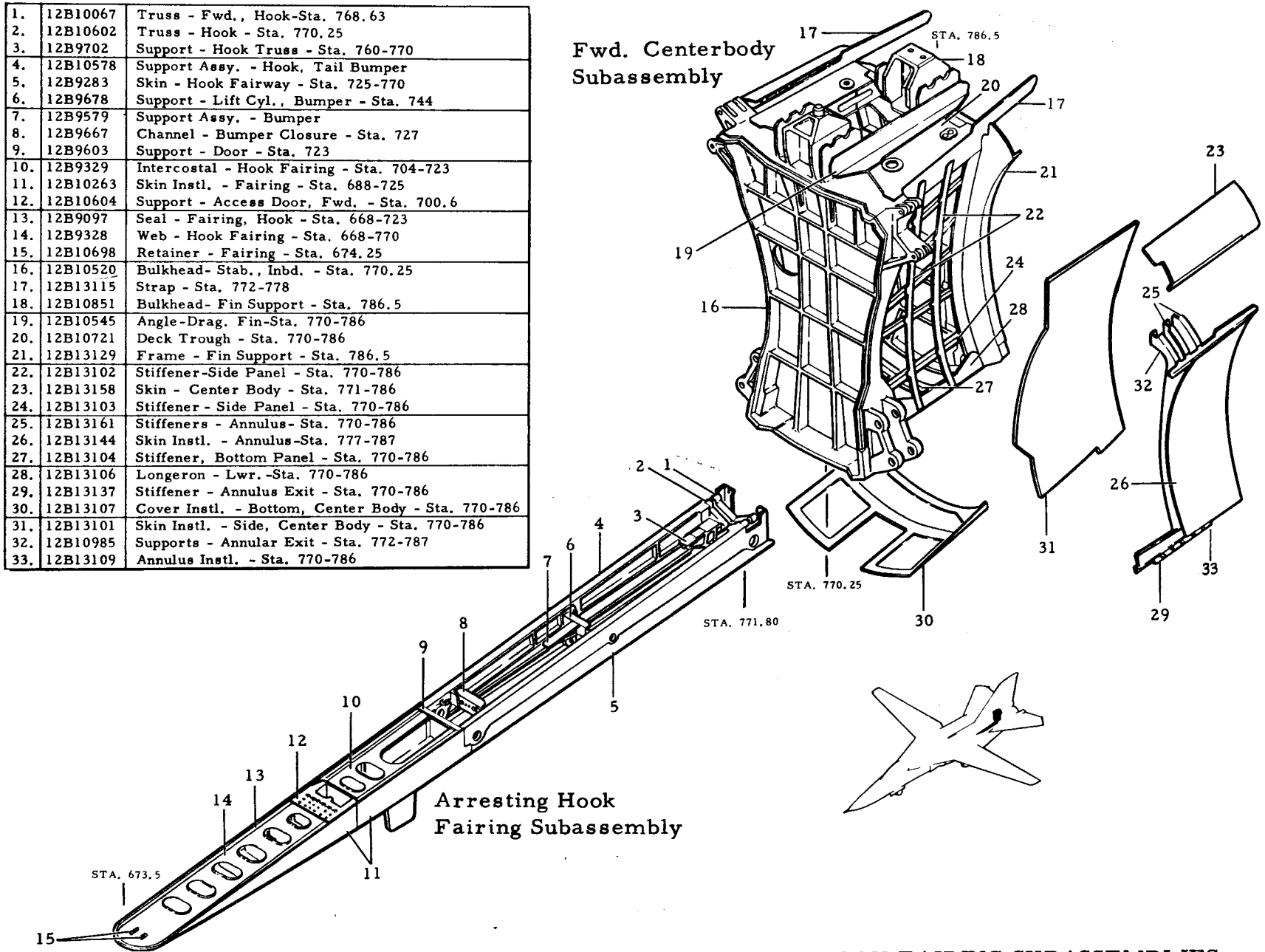


Figure 4-95 F-111A FORWARD CENTERBODY AND ARRESTING HOOK FAIRING SUBASSEMBLIES - STRUCTURE **F-111E**

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

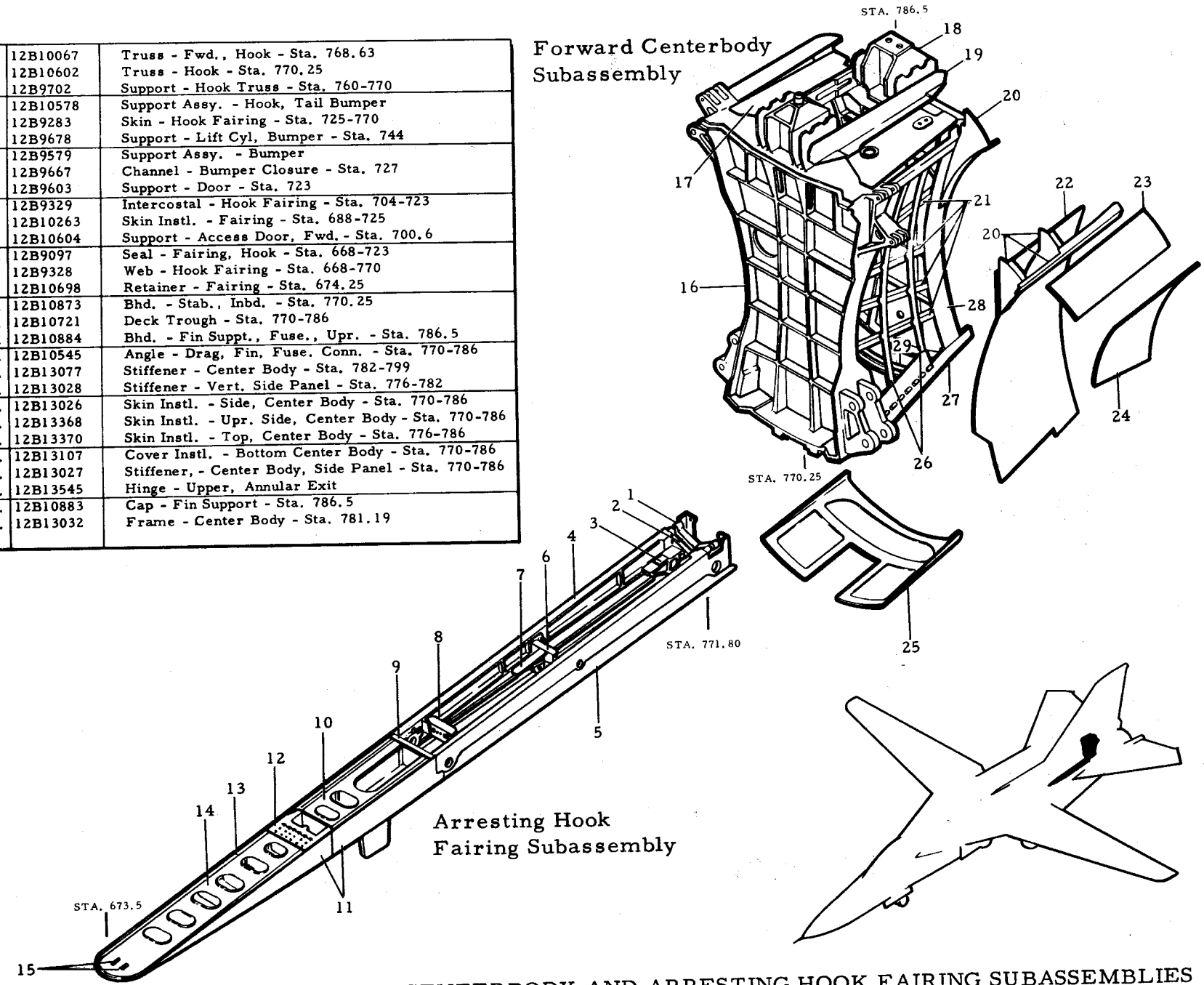
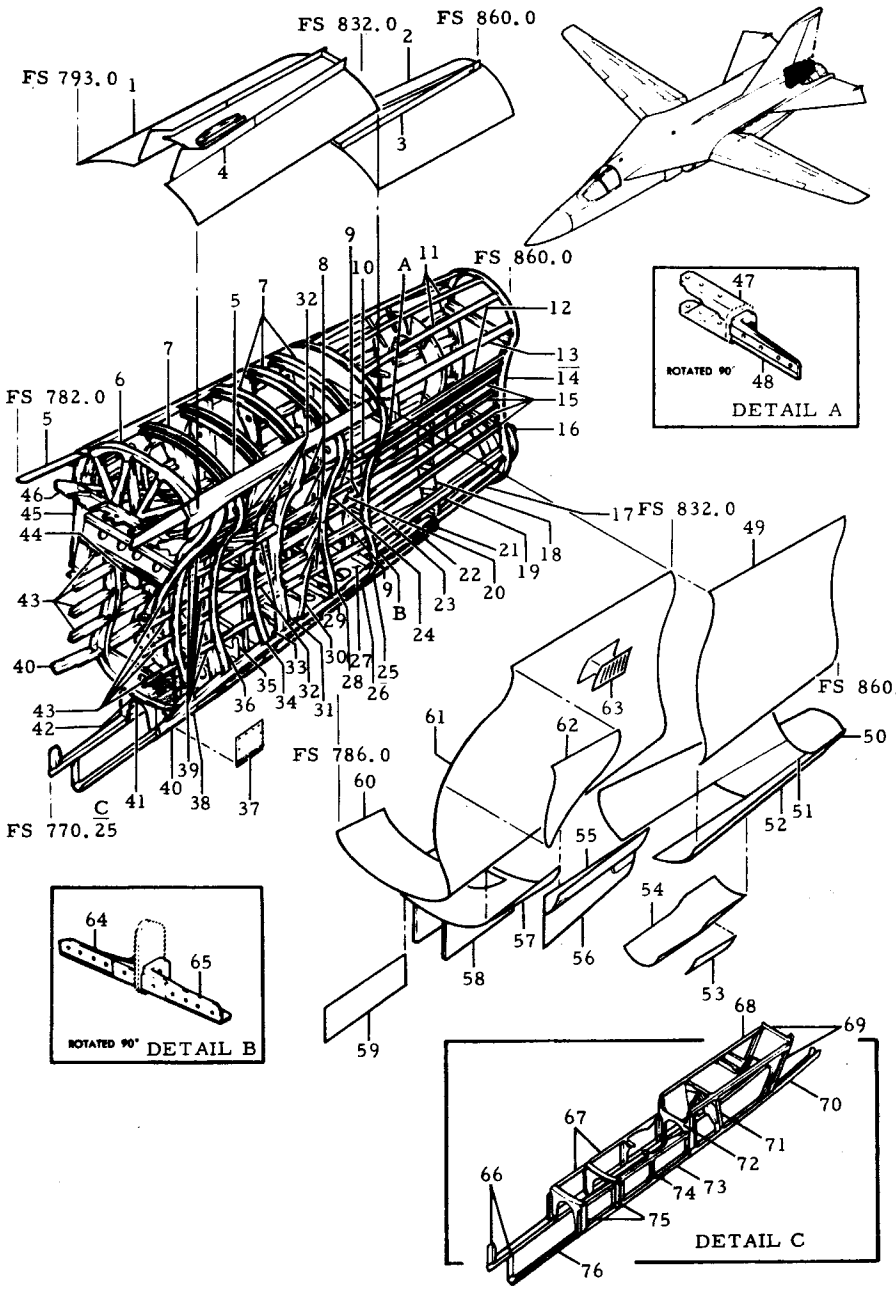


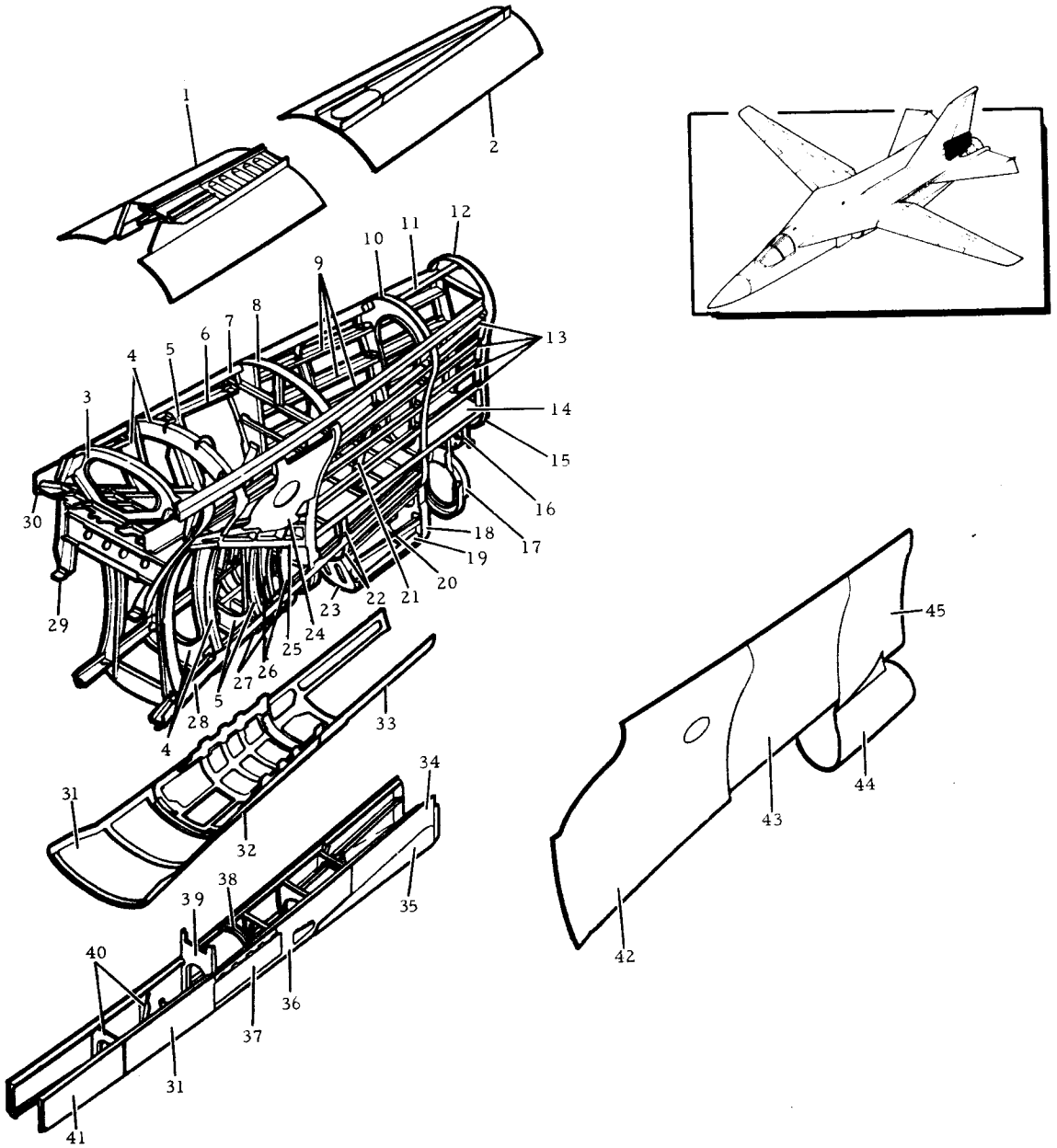
Figure 4-96 FORWARD CENTERBODY AND ARRESTING HOOK FAIRING SUBASSEMBLIES - STRUCTURE

FB-111A



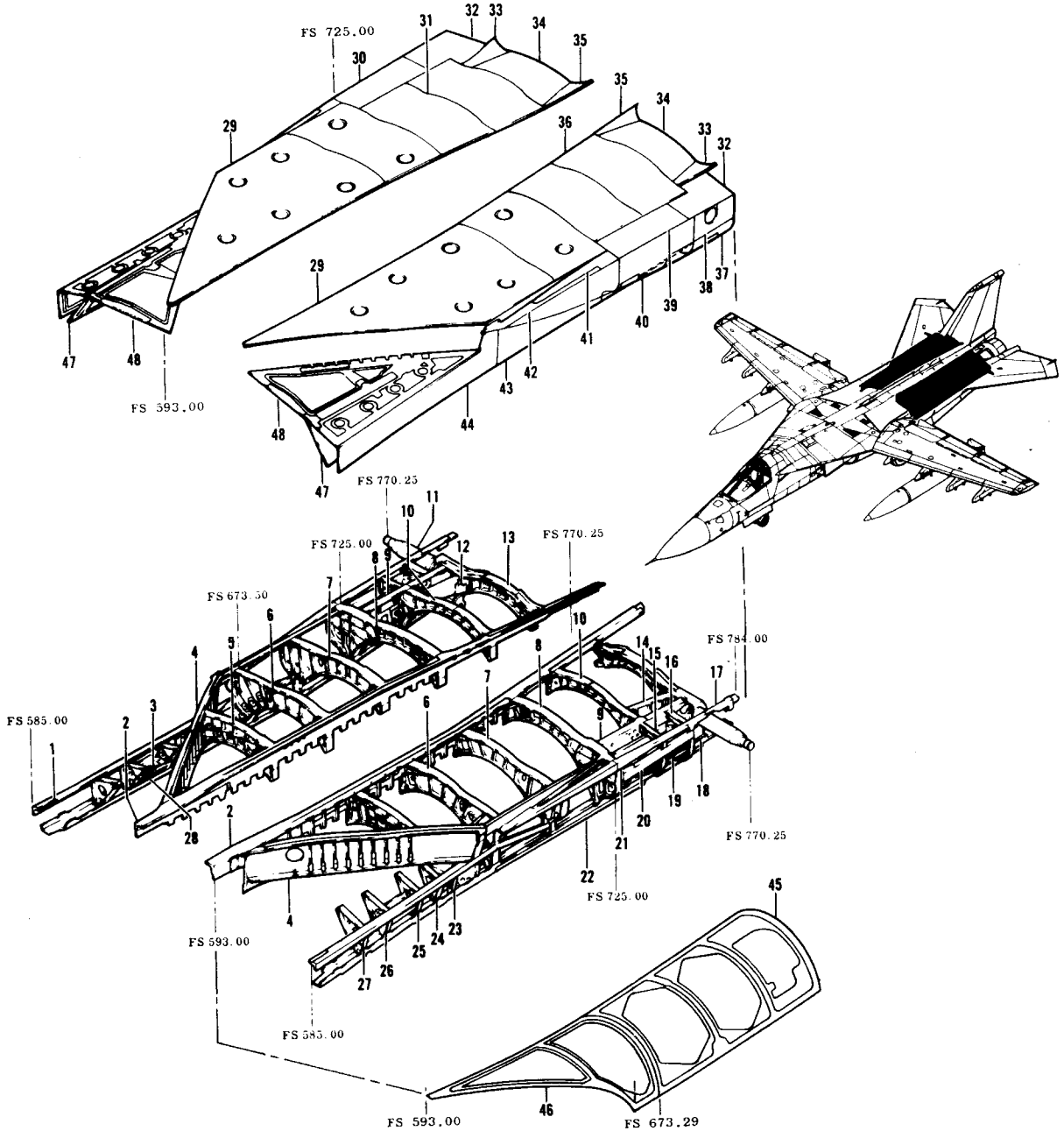
1.	12B13121	Cover Instl.	46.	12B10504	Support Forging
2.	12B13190	Skin Instl.	47.	12B10855	Support
3.	12B13210	Supports	48.	12B10858	Support
4.	12B13145	Skin	49.	12B13191	Skin Instl.
5.	12B13118	Longeron	50.	12B13108	Skin Instl.
6.	12B13116	Stiffener Assy.	51.	12B13230	Skin Instl.
7.	12B13169	Stiffener 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



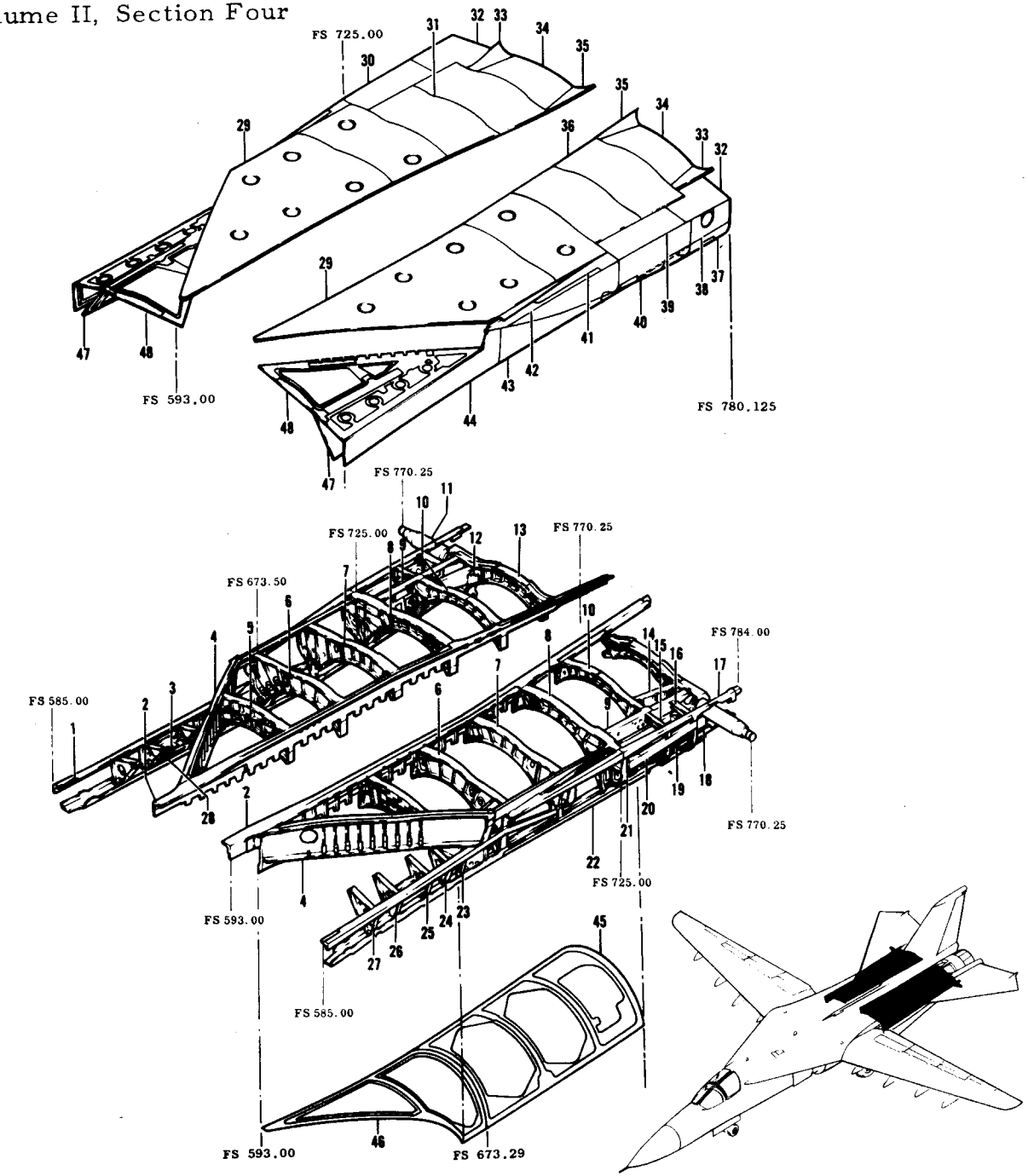
1.	12B13038	Cover Instl.
2.	12B13049	Skin Instl.
3.	12B13034	Frame Instl.
4.	12B13039	Blkd. Instl.
5.	12B13040	Frame Instl.
6.	12B13062	Stringer Instl.
7.	12B13035	Longeron Instl.
8.	12B13041	Blockhead Instl.
9.	12B13960	Stiffener
10.	12B13952	Blockhead Instl.
11.	12B13063	Stiffener
12.	12B13043	Frame 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 Inst.
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)



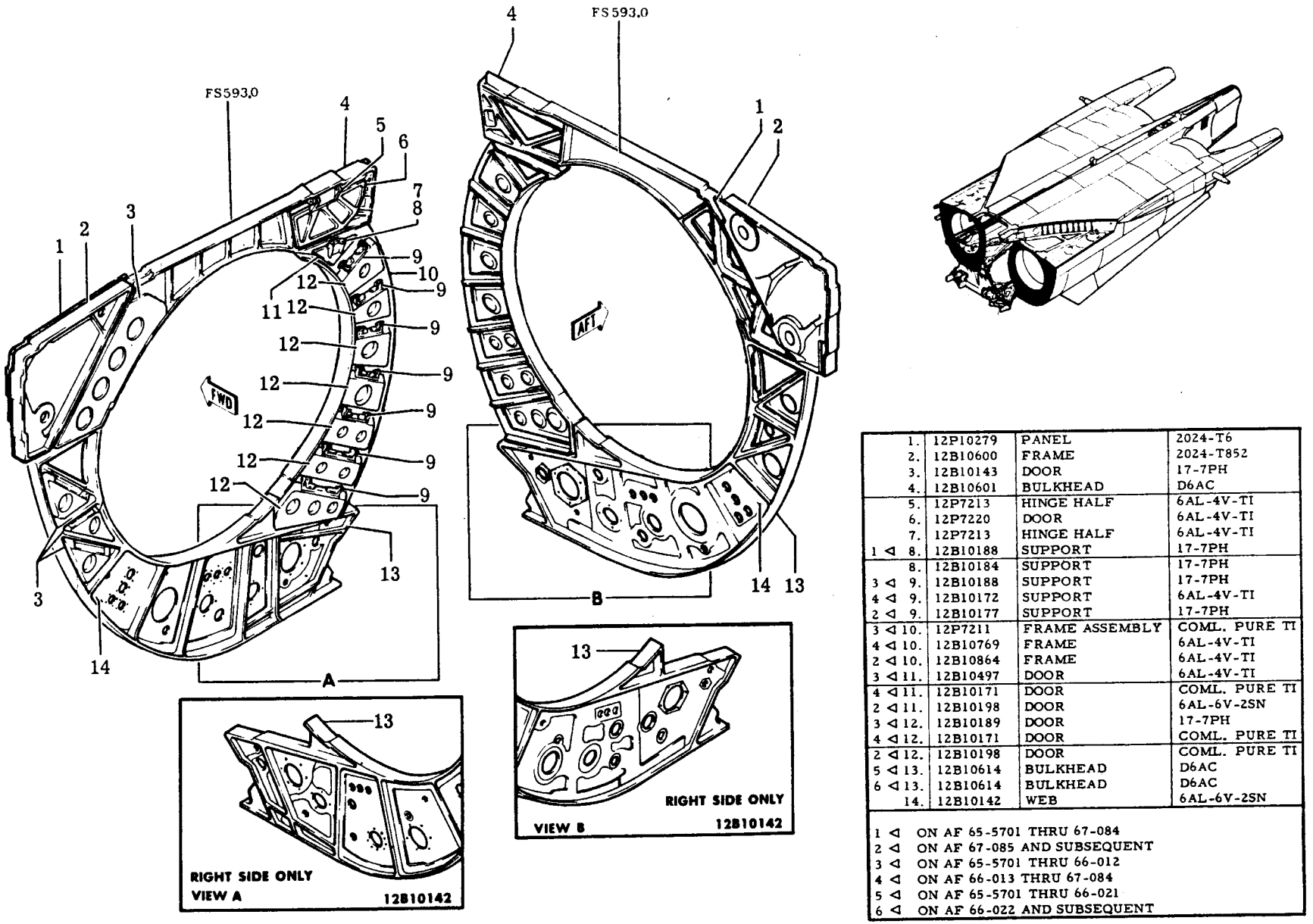
1.	12B10532	Longeron
2.	12B10525	Cap Strip
3.	12B10811	Web
4.	12B10531	Beam
5.	12B10508	Bulkhead
6.	12B10510	Bulkhead
7.	12B10512	Bulkhead
8.	12B10514	Bulkhead
9.	12B10541	Bulkhead
10.	12B10516	Bulkhead
11.	12B10521	Bulkhead
12.	12B10762	Plate
13.	12B10523	Bulkhead
14.	12B10552	Intercostal
15.	12B9563	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



1.	12B10532	Longeron
2.	12B10529	Cap Strip
3.	12B10811	Web
4.	12B10390	Beam
5.	12B10508	Bulkhead
6.	12B10510	Bulkhead
7.	12B10512	Bulkhead
8.	12B10514	Bulkhead
9.	12B10541	Bulkhead
10.	12B10516	Bulkhead
11.	12B10615	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.	12B9447	Web
24.	12B10689	Frame
25.	12B10688	Frame
26.	12B10687	Frame
27.	12B10686	Frame
28.	12B10556	Support
29.	12B10377	Panel
30.	12B10410	Skin Etched
31.	12B10405	Panel
32.	12B10419	Cover Installation
33.	12B13363	Fillet
34.	12B13361	Skin
35.	12B13362	Fillet
36.	12B10361	Panel
37.	12B10421	Cover Assembly
38.	12B10420	Skin
39.	12B10418	Cover Assembly
40.	12B10410	Cover Assembly
41.	12B10437	Skin Etched
42.	12B10495	Fairing Assembly
43.	12B10383	Panel
44.	12B10382	Panel
45.	12B10401	Panel
46.	12B10400	Panel
47.	12B10422	Panel
48.	12B10402	Panel

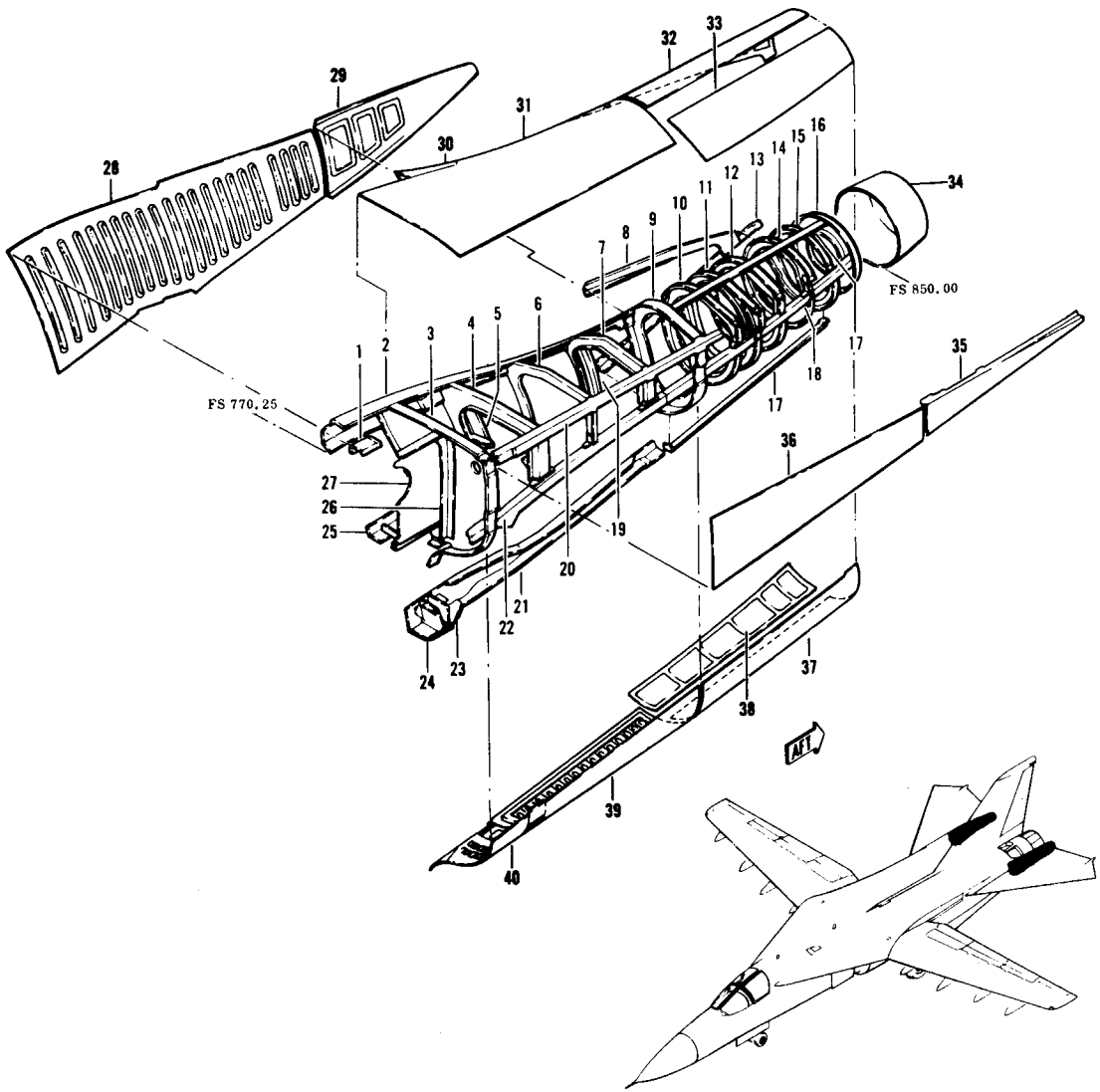
Figure 4-100 FB-111 AFT FUSELAGE OUTBOARD SUBASSEMBLY (Bomber 3 and On)



	1.	12P10279	PANEL	2024-T6
	2.	12B10600	FRAME	2024-T852
	3.	12B10143	DOOR	17-7PH
	4.	12B10601	BULKHEAD	D6AC
	5.	12P7213	HINGE HALF	6AL-4V-TI
	6.	12P7220	DOOR	6AL-4V-TI
	7.	12P7213	HINGE HALF	6AL-4V-TI
1 ◁	8.	12B10188	SUPPORT	17-7PH
	8.	12B10184	SUPPORT	17-7PH
3 ◁	9.	12B10188	SUPPORT	17-7PH
4 ◁	9.	12B10172	SUPPORT	6AL-4V-TI
2 ◁	9.	12B10177	SUPPORT	17-7PH
3 ◁	10.	12P7211	FRAME ASSEMBLY	COML. PURE TI
4 ◁	10.	12B10769	FRAME	6AL-4V-TI
2 ◁	10.	12B10864	FRAME	6AL-4V-TI
3 ◁	11.	12B10497	DOOR	6AL-4V-TI
4 ◁	11.	12B10171	DOOR	COML. PURE TI
2 ◁	11.	12B10198	DOOR	6AL-6V-2SN
3 ◁	12.	12B10189	DOOR	17-7PH
4 ◁	12.	12B10171	DOOR	COML. PURE TI
2 ◁	12.	12B10198	DOOR	COML. PURE TI
5 ◁	13.	12B10614	BULKHEAD	D6AC
6 ◁	13.	12B10614	BULKHEAD	D6AC
	14.	12B10142	WEB	6AL-6V-2SN

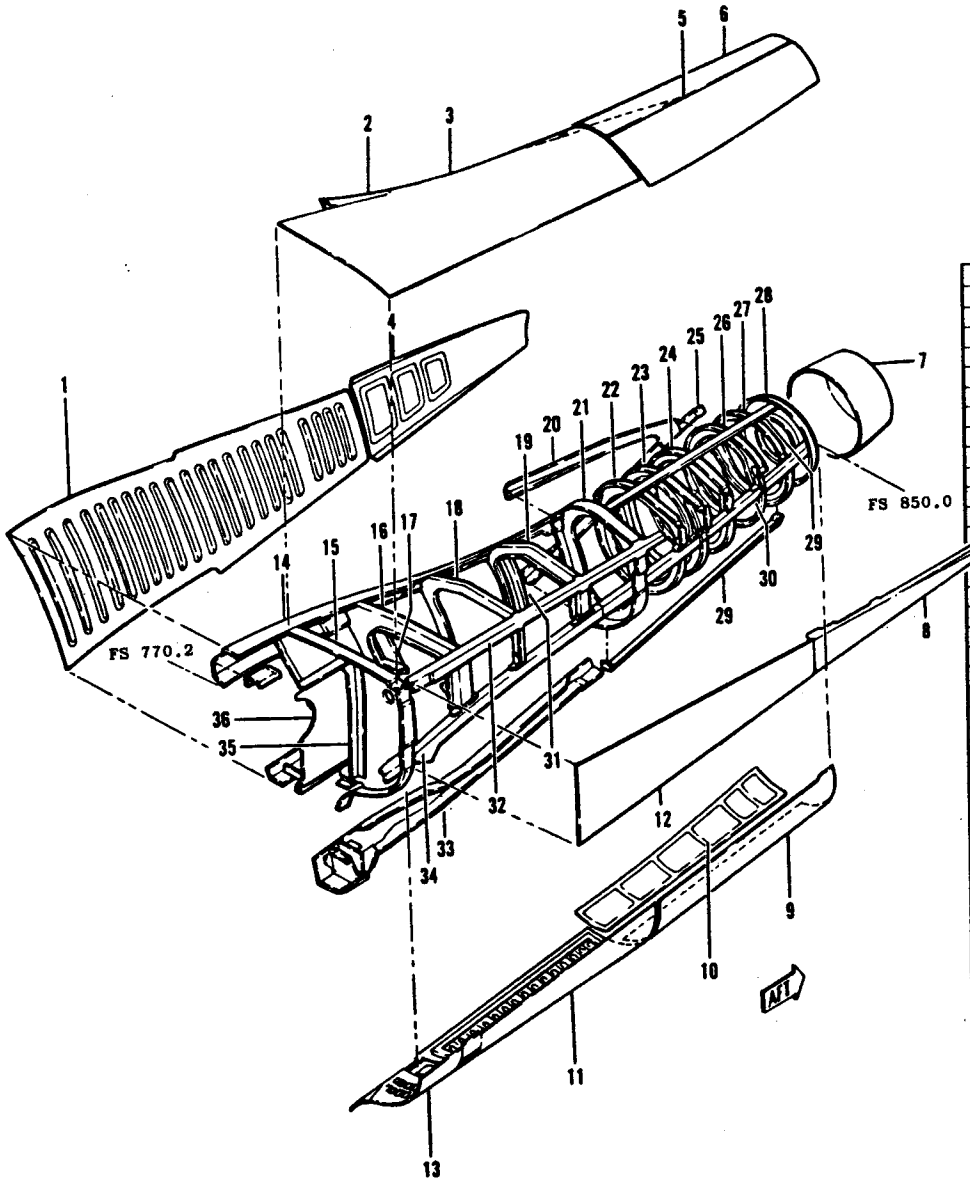
1 ◁ ON AF 65-5701 THRU 67-084
2 ◁ ON AF 67-085 AND SUBSEQUENT
3 ◁ ON AF 65-5701 THRU 66-012
4 ◁ ON AF 66-013 THRU 67-084
5 ◁ ON AF 65-5701 THRU 66-021
6 ◁ ON AF 66-022 AND SUBSEQUENT

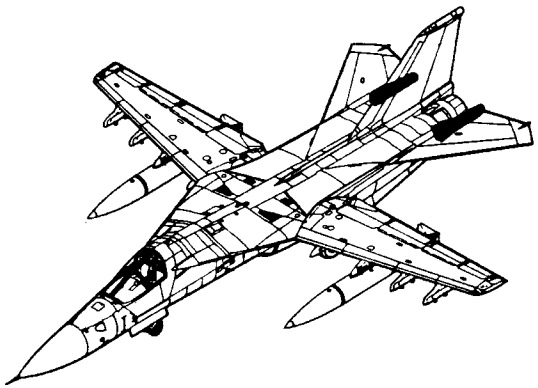
Figure 4-101 FRAME - STATION 593



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

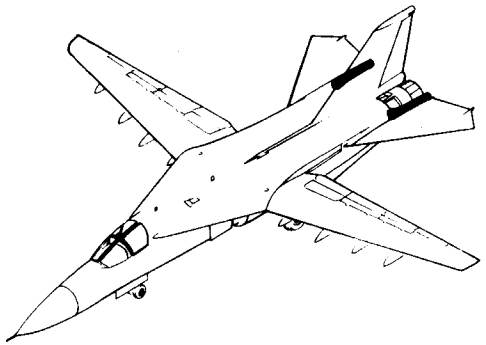


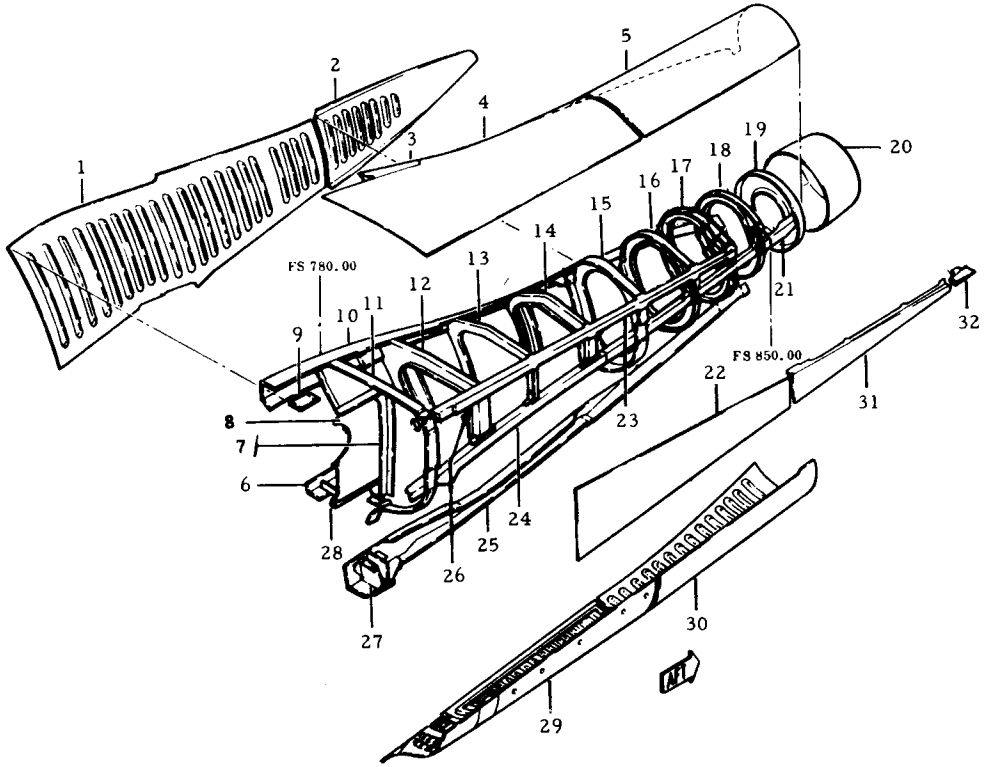


1	12B10204	SKIN (BEADED ASSEMBLY)		ALUMINUM
2	12B10055	FAIRING		REINF PLASTIC
3	12B10205	SKIN (BEADED ASSEMBLY)		ALUMINUM
4	12B13300	SKIN (ETCHED)	0.063 x 11 x 27	CRES 321
5	12B13302	SKIN (ETCHED)	0.063 x 8 x 30	2024-T6
6	12B13301	SKIN (ETCHED)	0.063 x 11 x 27	CRES 321
7	12B13222	CONE INSTALLATION		
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

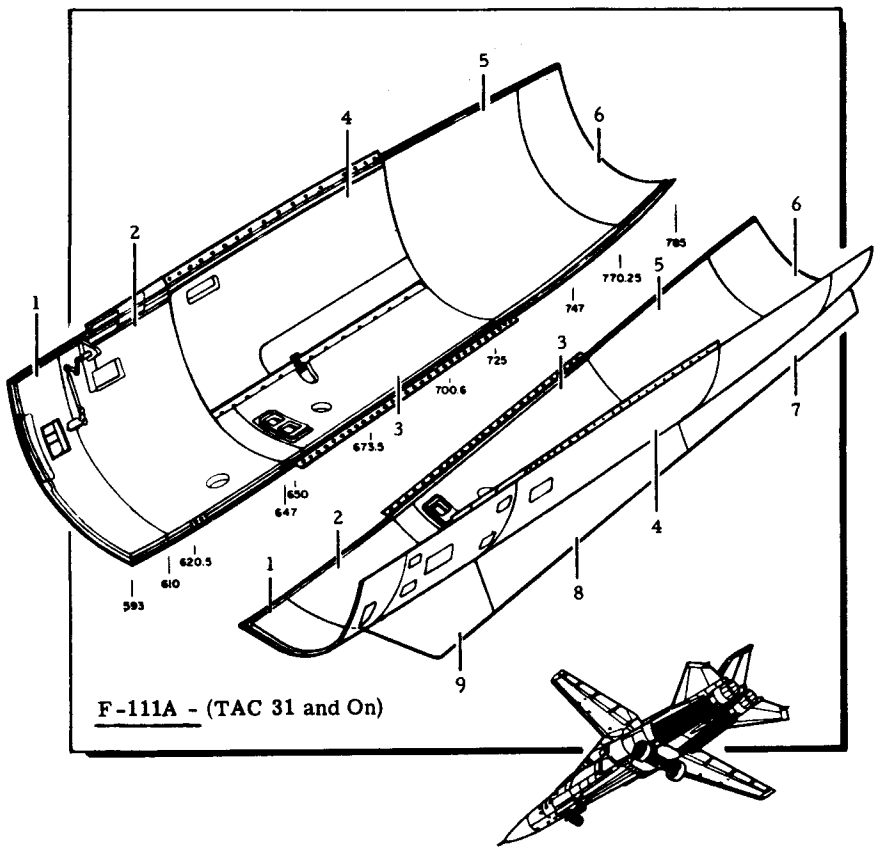
Figure 4-102A SPEED BUMPS - STRUCTURE (F-111E: A1 160-On)



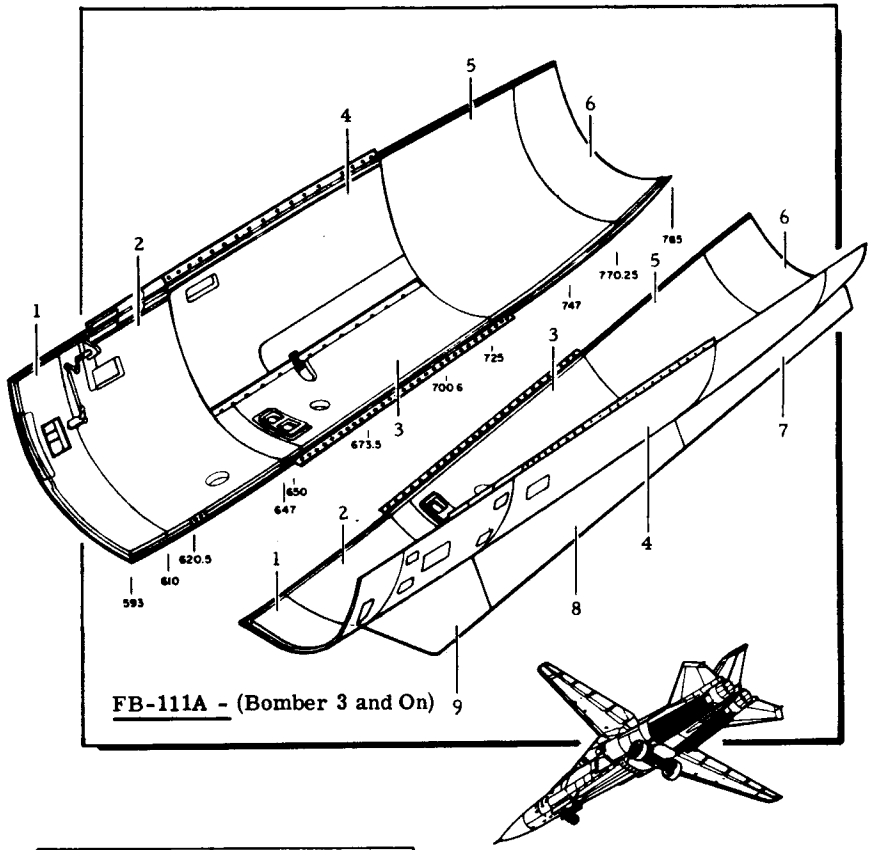


1.	12B13389	Panel, Sta. 772.75-820
2.	12B13437	Panel, Sta. 820-846 Inbd.
3.	12B13444	Fairing, Sta. 783.3-795 Upr.
4.	12B13438	Panel, Sta. 780-820 Top
5.	12B13439	Panel, Sta. 780-820 Top
6.	12B13480	Bracket, Sta. 770.812-780
7.	12B10287	Stiffener Sta. 780
8.	12B10287	Web, Sta. 772-780
9.	12B13448	Shim 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)

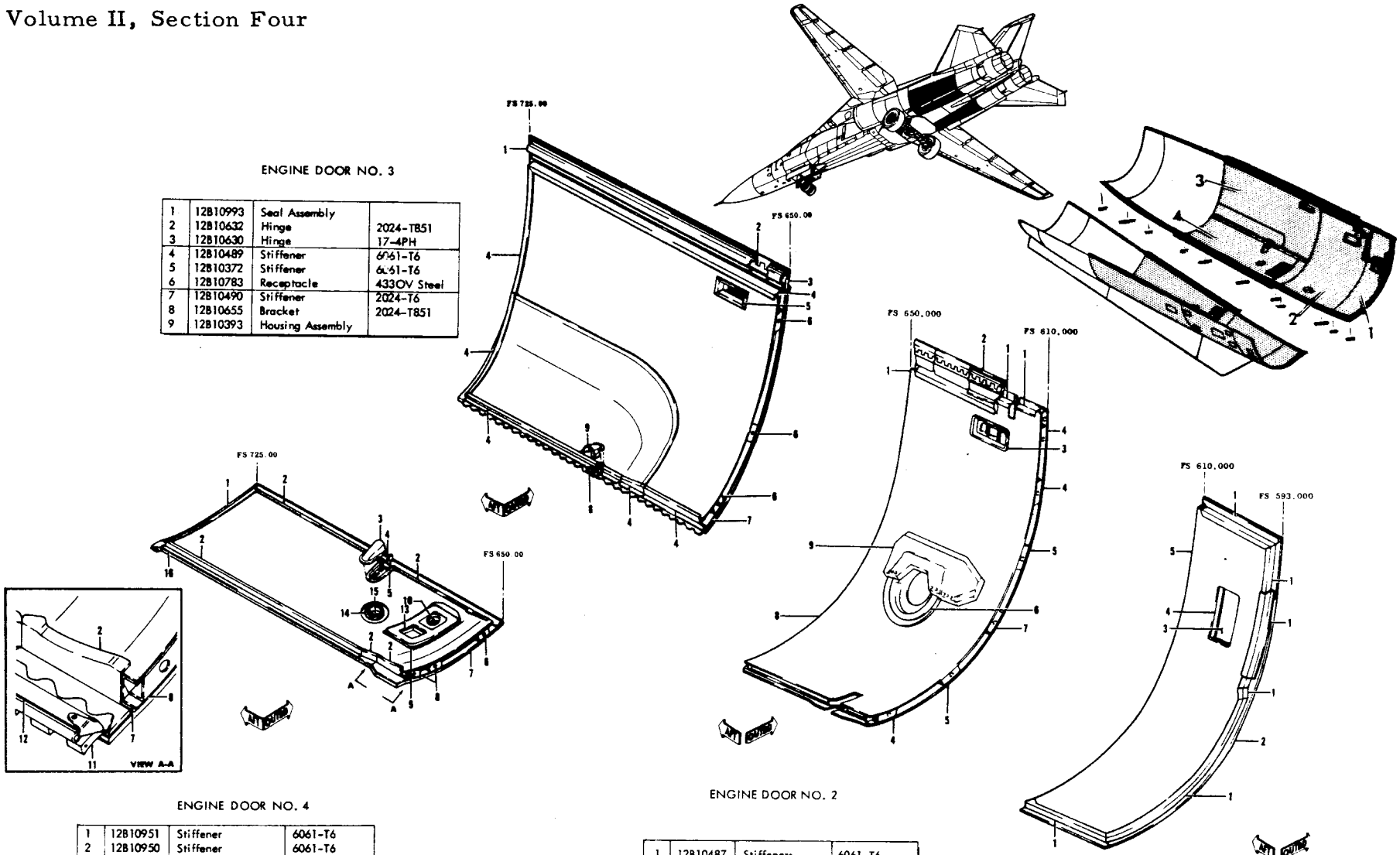


1.	12B10014	Engine Door #1
2.	12B10011	Engine Door #2
3.	12B10015	Engine Door #4
4.	12B10012	Engine Door #3
5.	12B10013	Engine Door #5
6.	12B13226	Fairing, Lower
7.	12B10416	Strake, Door #5
8.	12B10415	Strake, Door #3
9.	12B10414	Strake, Door #2



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



ENGINE DOOR NO. 3

1	12B10993	Seal Assembly	
2	12B10632	Hinge	2024-T851
3	12B10630	Hinge	17-4PH
4	12B10489	Stiffener	6061-T6
5	12B10372	Stiffener	6061-T6
6	12B10783	Receptacle	4330V Steel
7	12B10490	Stiffener	2024-T6
8	12B10655	Bracket	2024-T851
9	12B10393	Housing Assembly	

ENGINE DOOR NO. 4

1	12B10951	Stiffener	6061-T6
2	12B10950	Stiffener	6061-T6
3	12B10381	Housing	6061-T6
4	12M9501	Latch Assembly	
5	12B10950	Stiffener	2024-T6
6	12B10784	Receptacle	4330 V Steel
7	12B10951	Stiffener	2024-T6
8	12B10783	Receptacle	4330 V Steel
9	12B10357	Retainer Installation	
10	12B10373	Plate	4130
11	12B10634	Hinge	17-4PH CRES
12	12B10352	Seal Assembly	
13	12B10969	Drain Assembly	
14	12B10366	Stiffener	2024-T6
15	12B10971	Door Assembly	
16	12B10636	Hinge	2024-T-851

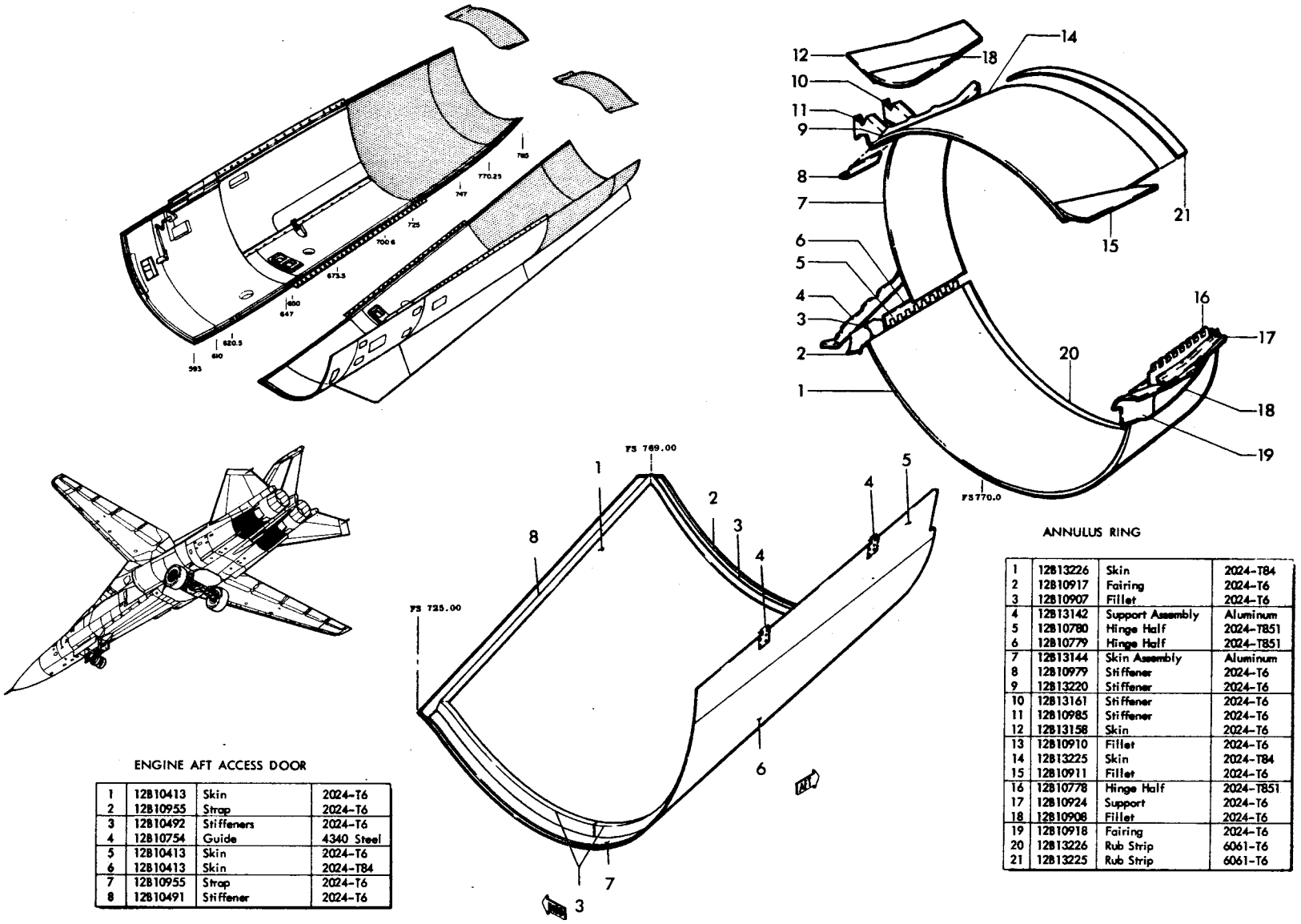
ENGINE DOOR NO. 2

1	12B10487	Stiffeners	6061-T6
2	12B10035	Hinge Assembly	
3	12B10963	Door Assembly	
4	12B1078	Receptacle	4330 V Steel
5	12B10786	Receptacle	4330 V Steel
6	12B10964	Stiffener	6061-T6
7	12B10787	Receptacle	4330 V Steel
8	12B10411	Door	Aluminum
9	12B10433	Plate	2024-T6

ENGINE PANEL NO. 1

1	12B10941	Stiffeners	2024-T6
2	12B10941	Stiffener	6061-T6
3	12B10962	Door Assembly	
4	12B10488	Support	2024-T6
5	12B10439	Panel	Aluminum

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



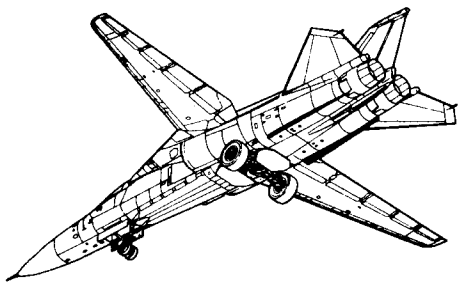
ENGINE AFT ACCESS DOOR

1	12B10413	Skin	2024-T6
2	12B10955	Strap	2024-T6
3	12B10492	Stiffeners	2024-T6
4	12B10754	Guide	4340 Steel
5	12B10413	Skin	2024-T6
6	12B10413	Skin	2024-T84
7	12B10955	Strap	2024-T6
8	12B10491	Stiffener	2024-T6

ANNULUS RING

1	12B13226	Skin	2024-T84
2	12B10917	Fairing	2024-T6
3	12B10907	Fillet	2024-T6
4	12B13142	Support Assembly	Aluminum
5	12B10780	Hinge Half	2024-T851
6	12B10779	Hinge Half	2024-T851
7	12B13144	Skin Assembly	Aluminum
8	12B10979	Stiffener	2024-T6
9	12B13220	Stiffener	2024-T6
10	12B13161	Stiffener	2024-T6
11	12B10985	Stiffener	2024-T6
12	12B13158	Skin	2024-T6
13	12B10910	Fillet	2024-T6
14	12B13225	Skin	2024-T84
15	12B10911	Fillet	2024-T6
16	12B10778	Hinge Half	2024-T851
17	12B10924	Support	2024-T6
18	12B10908	Fillet	2024-T6
19	12B10918	Fairing	2024-T6
20	12B13226	Rub Strip	6061-T6
21	12B13225	Rub Strip	6061-T6

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

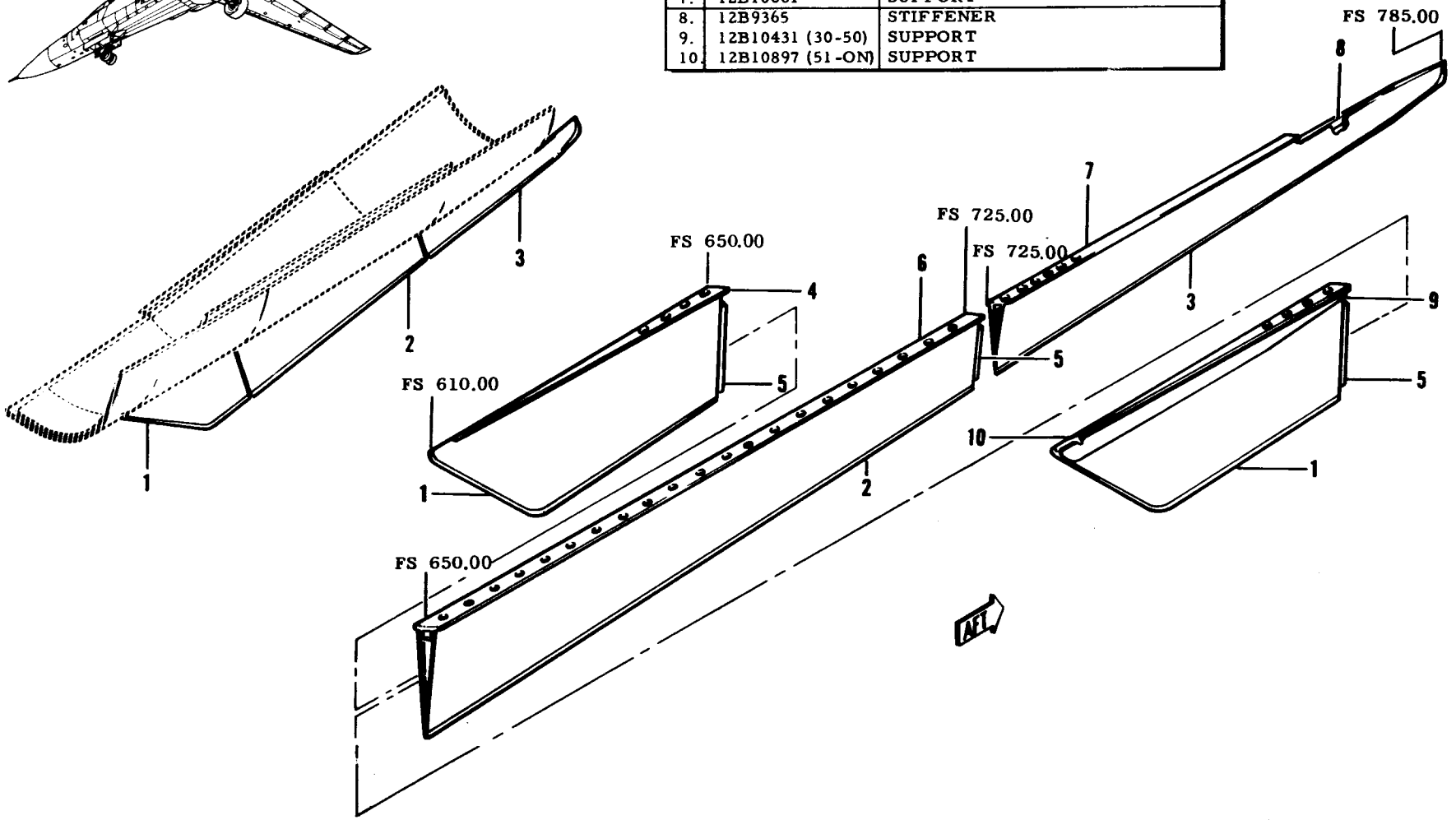
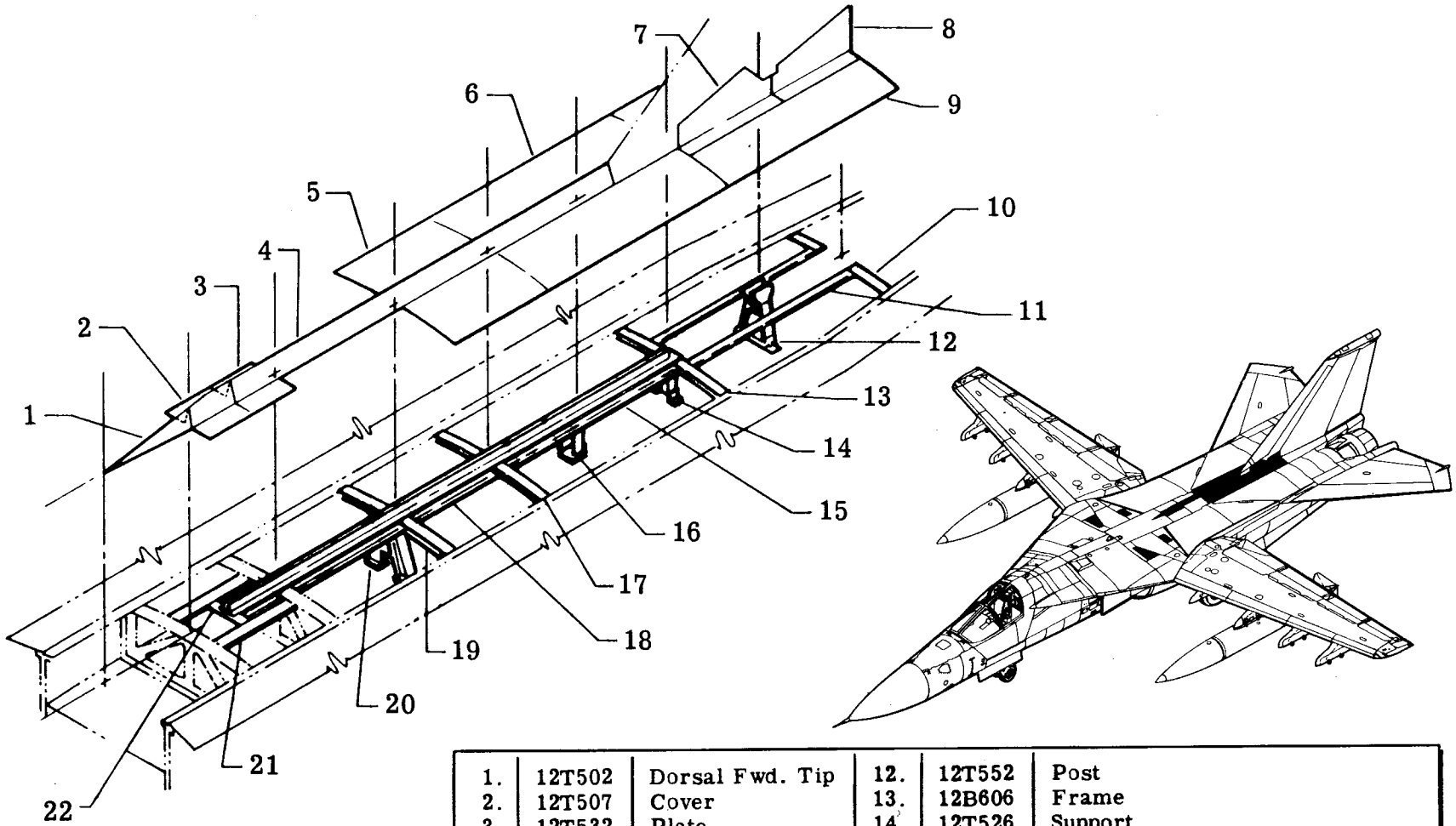


Figure 4-107 STRAKE ASSEMBLIES

ST-697-47A



1.	12T502	Dorsal Fwd. Tip	12.	12T552	Post
2.	12T507	Cover	13.	12B606	Frame
3.	12T532	Plate	14.	12T526	Support
4.	12T501	Dorsal Assy.	15.	12T503	C.L. Dorsal Suppt. Longeron Aft
5.	12B603	Panel	16.	12T528	Support
6.	12B601	Panel	17.	12B605	Frame
7.	12T514	Cover	18.	12T548	Longeron, Fwd. Dorsal Suppt.
8.	12T541	Cover	19.	12B907	Stiffener
9.	12B602	Panel	20.	12B906	Pedestal Assy
10.	12B10967	Frame	21.	12T511	Dorsal Cover Longeron
11.	12T524	Longeron	22.	12T505	Former (Sta. 545)

Figure 4-108 DORSAL AND EQUIPMENT TUNNEL STRUCTURE

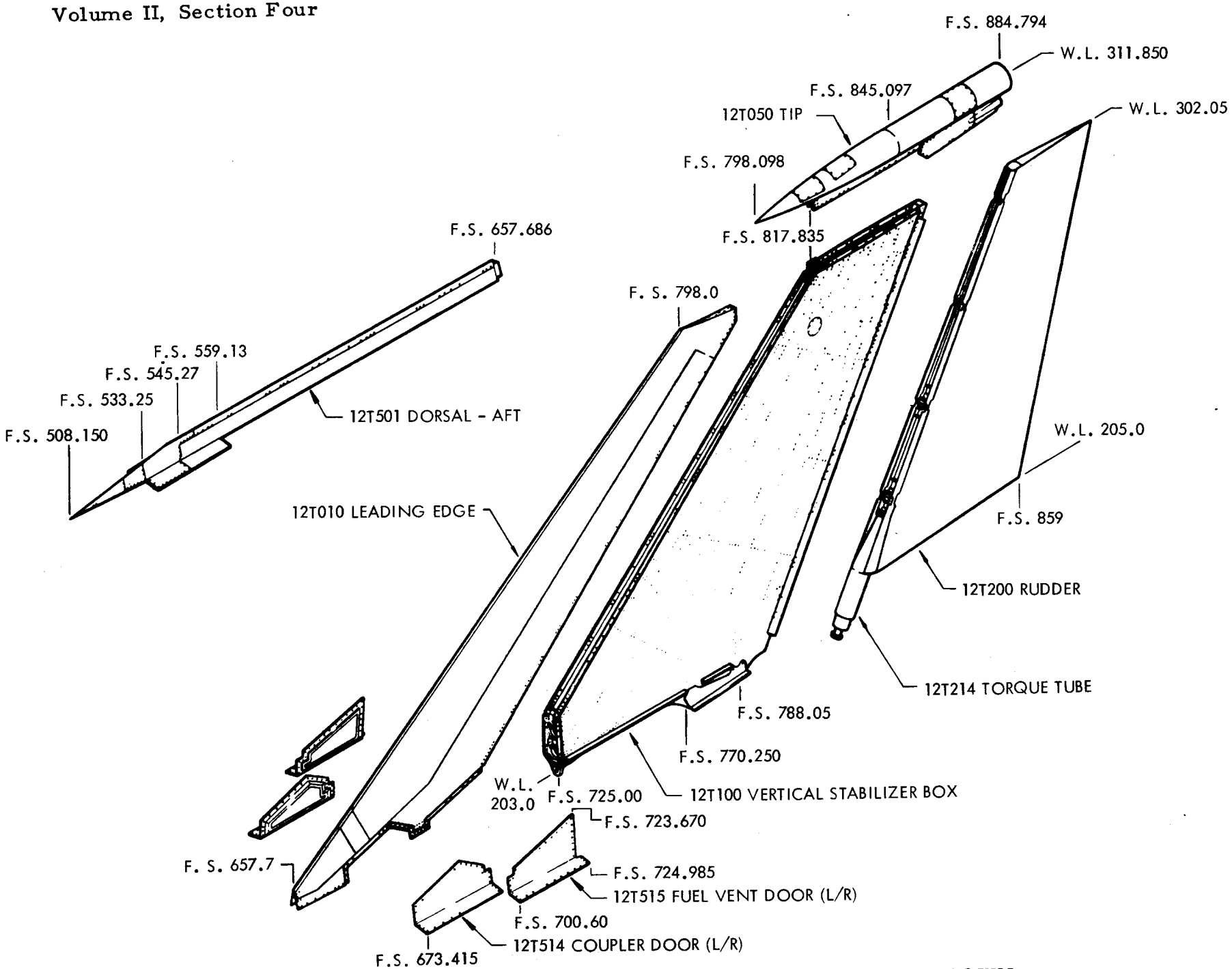
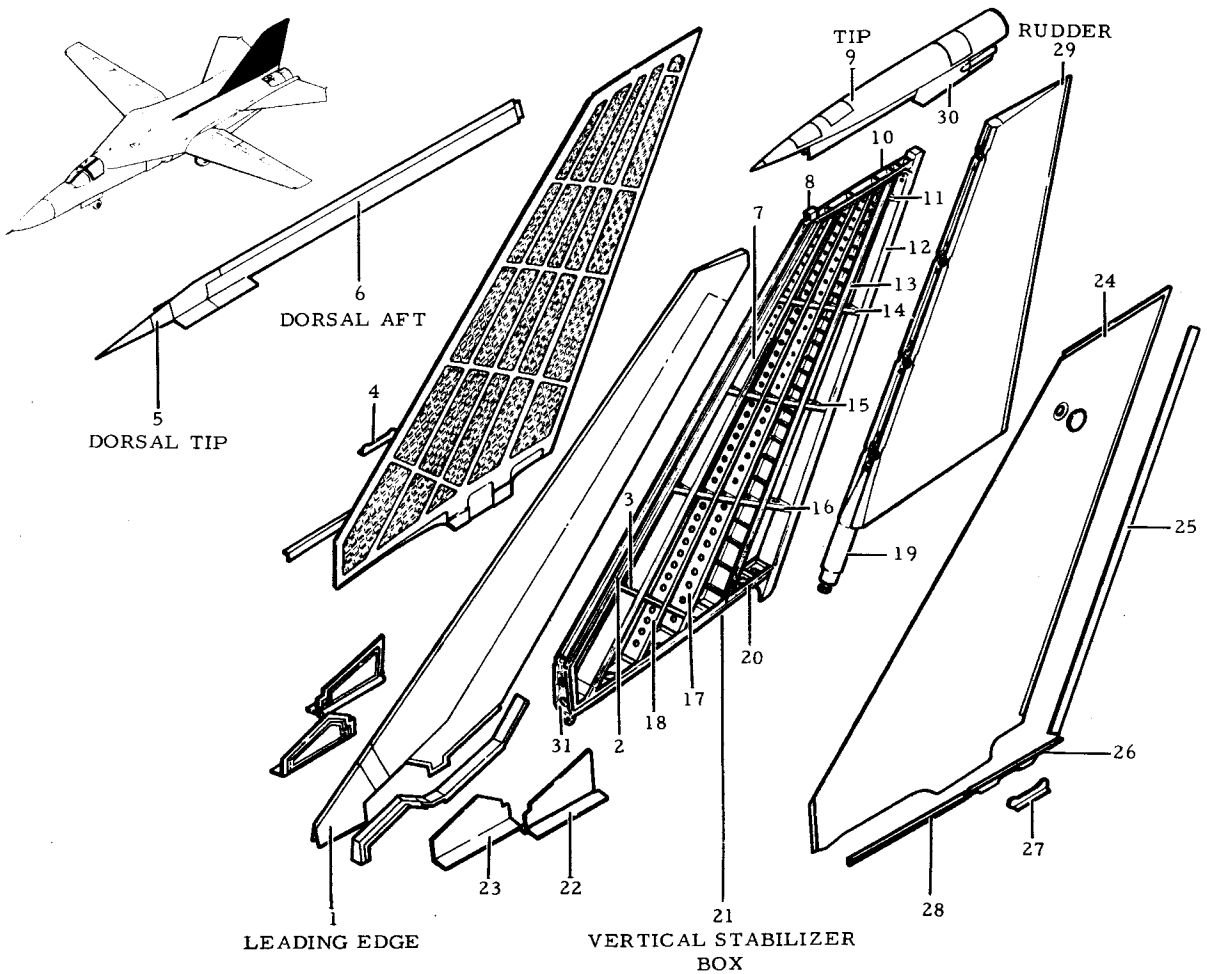


Figure 4-109 VERTICAL STABILIZER PRODUCTION BREAKDOWN

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

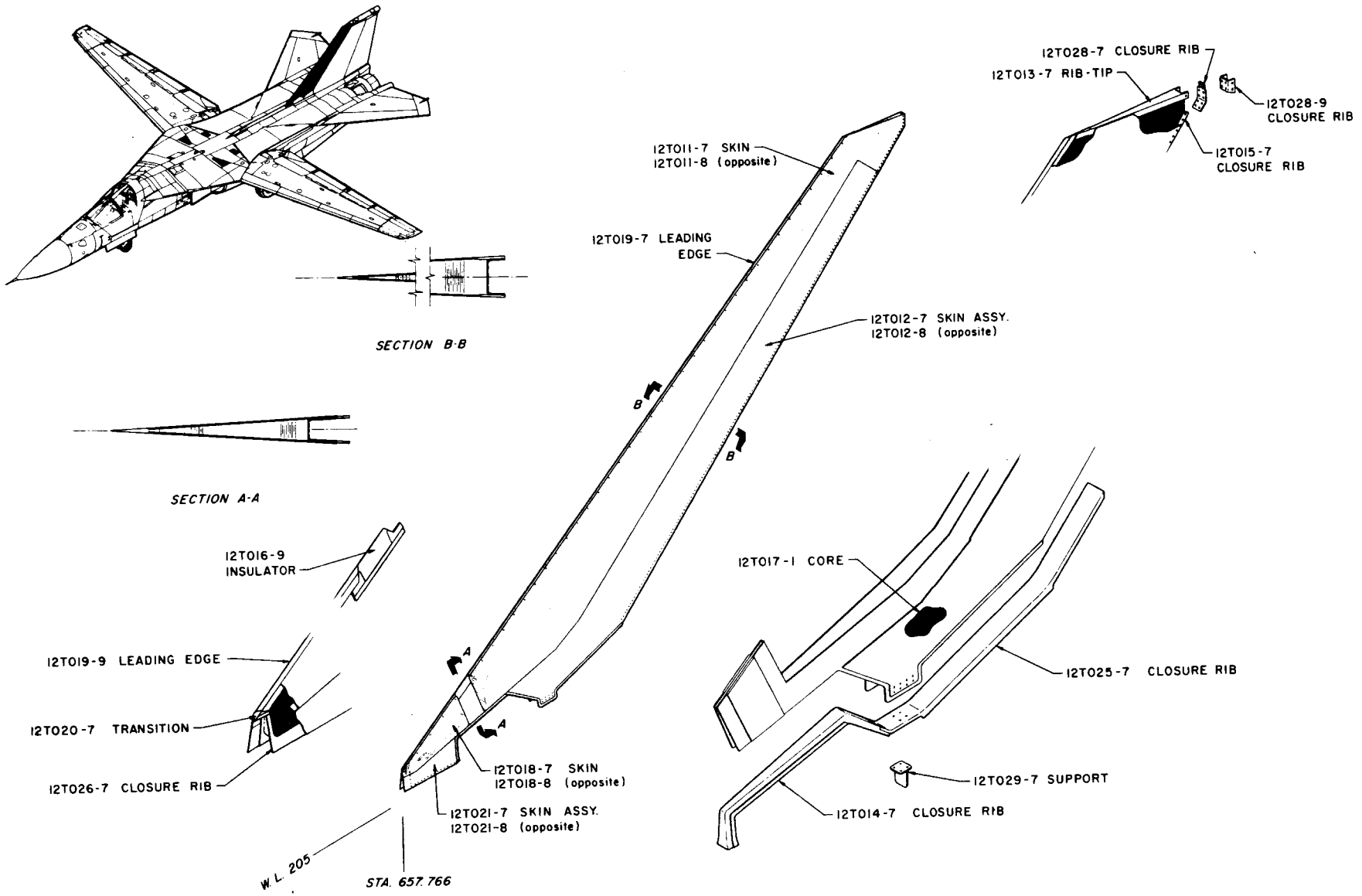
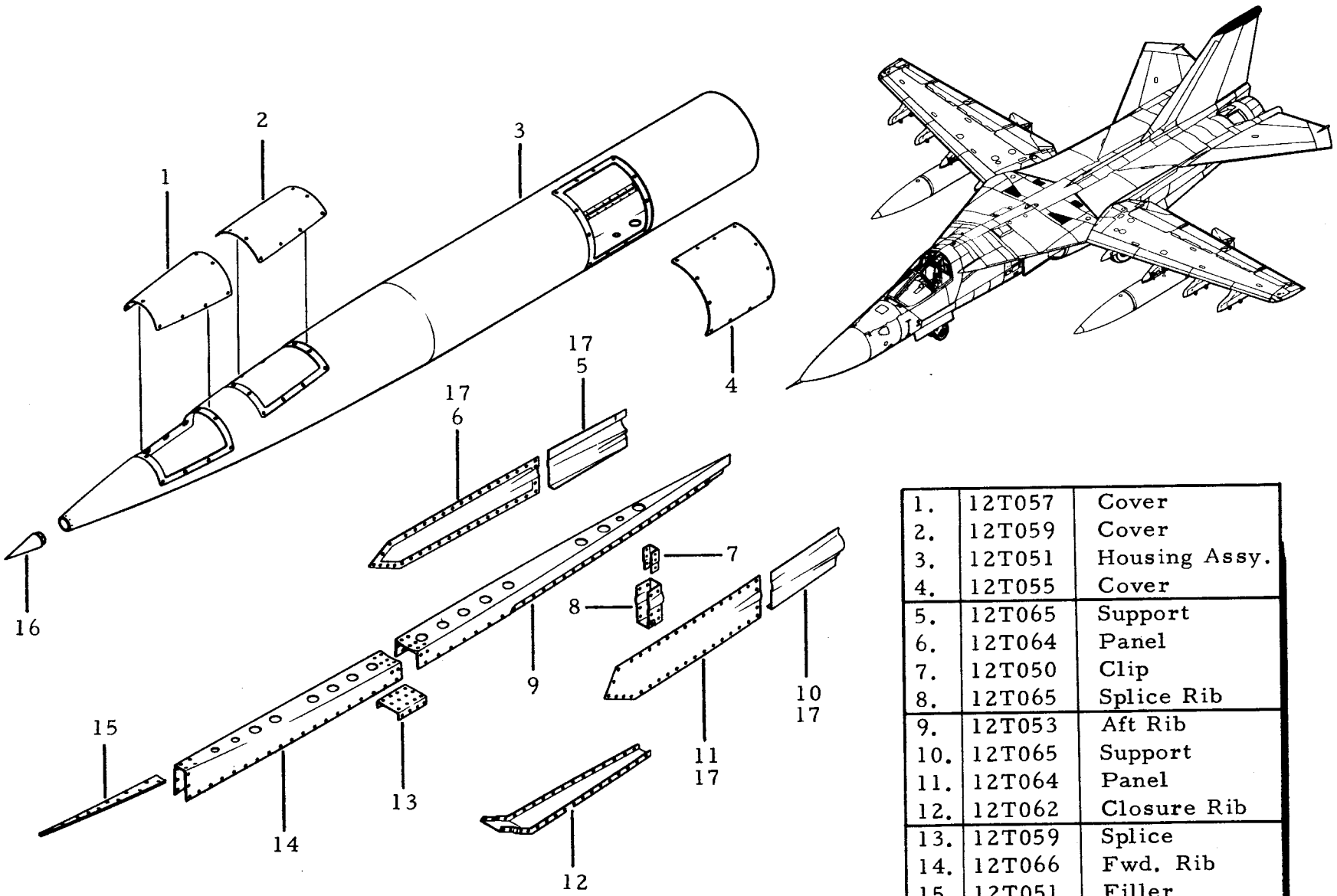
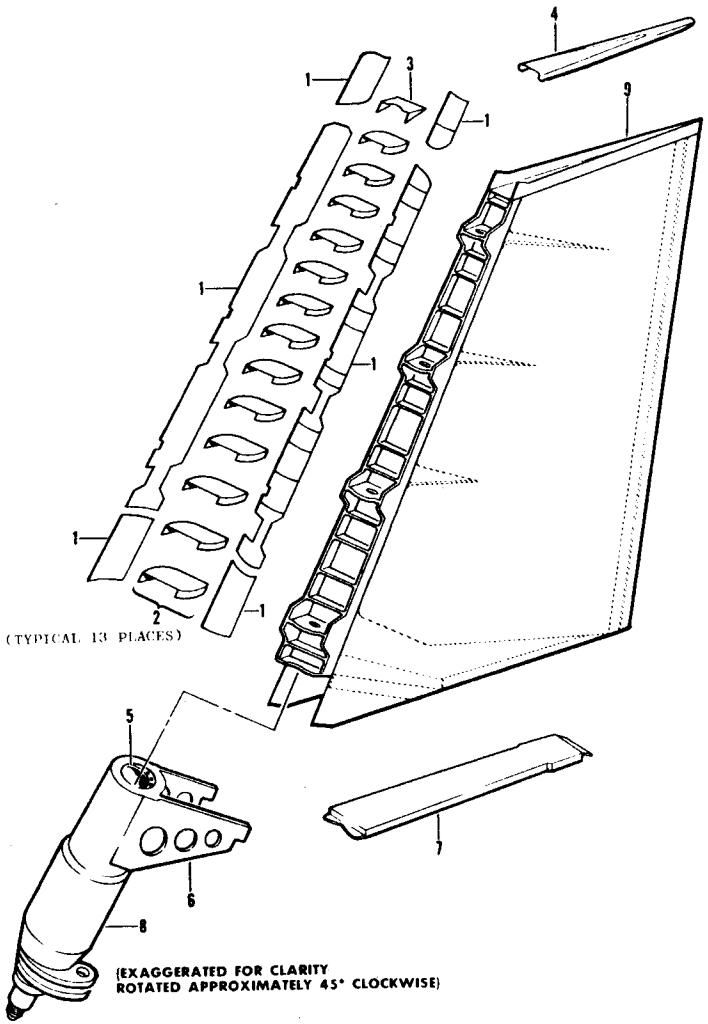


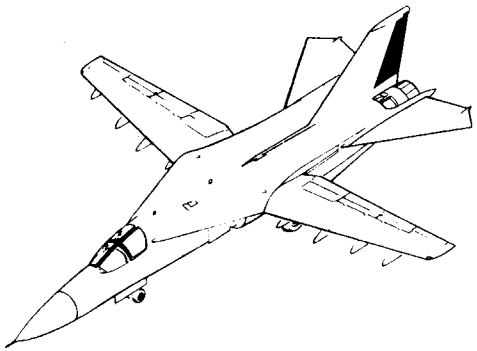
Figure 4-111 VERTICAL STABILIZER LEADING EDGE



1.	12T057	Cover
2.	12T059	Cover
3.	12T051	Housing Assy.
4.	12T055	Cover
5.	12T065	Support
6.	12T064	Panel
7.	12T050	Clip
8.	12T065	Splice Rib
9.	12T053	Aft Rib
10.	12T065	Support
11.	12T064	Panel
12.	12T062	Closure Rib
13.	12T059	Splice
14.	12T066	Fwd. Rib
15.	12T051	Filler
16.	12T052	Cone
17.	12T081	Cover

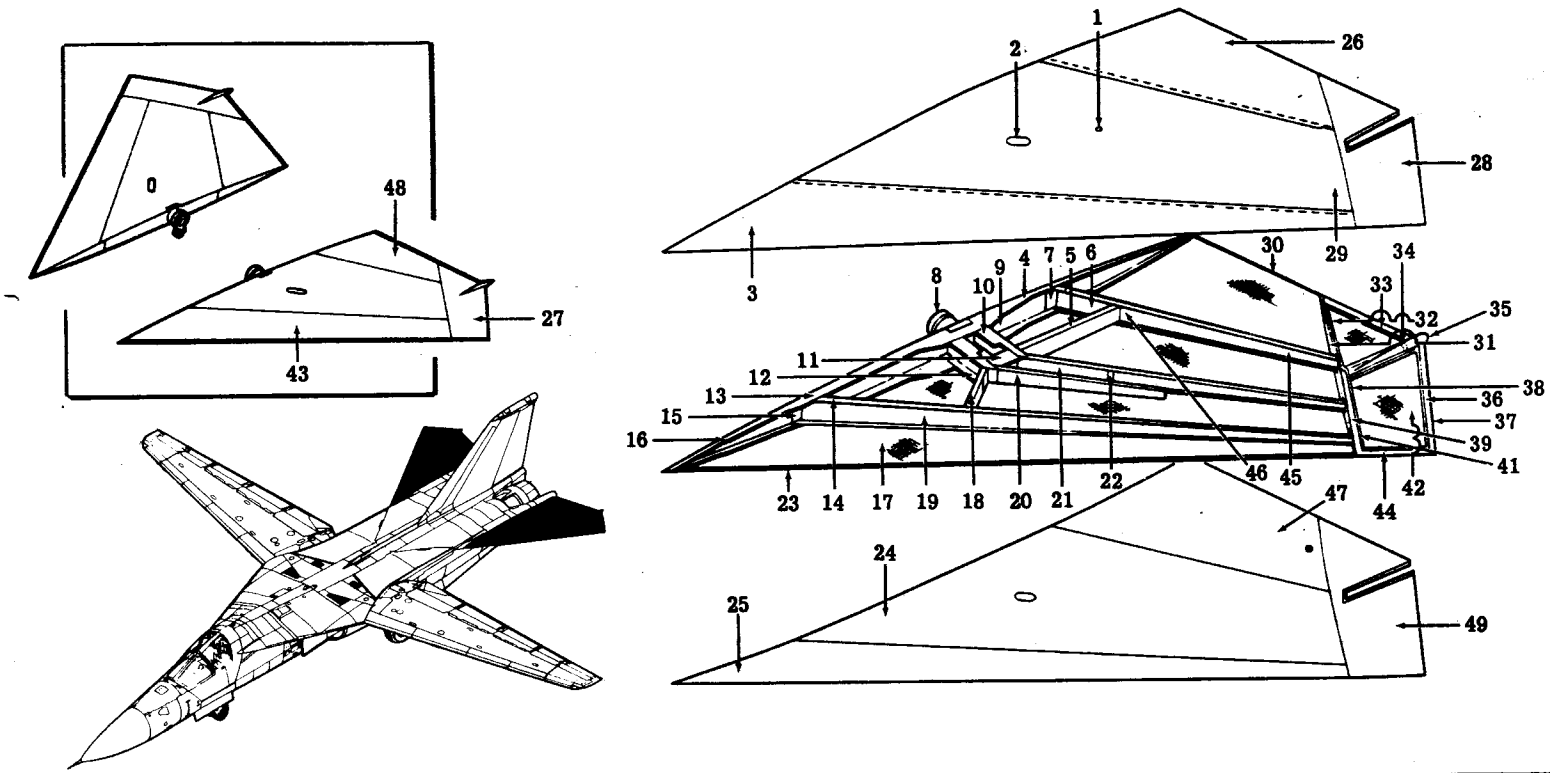
Figure 4-112 VERTICAL STABILIZER TIP





1.	12T404	SKIN
2.	12T404	RIB
3.	12T216	RIB
4.	12T216	RIB
5.	12T406	PLATE
6.	12T406	PLATE
7.	12T411	CHANNEL
8.	12T416	TORQUE TUBE FORGING
9.	12T405	RUDDER

Figure4-113 RUDDER ASSEMBLY



	12T9200 12T9201	Installation Assembly	16. 17.	12T9212 12T9216	Rib Root Core, Honeycomb	33. 34.	12T9614 12T9615	Strip T. E. 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

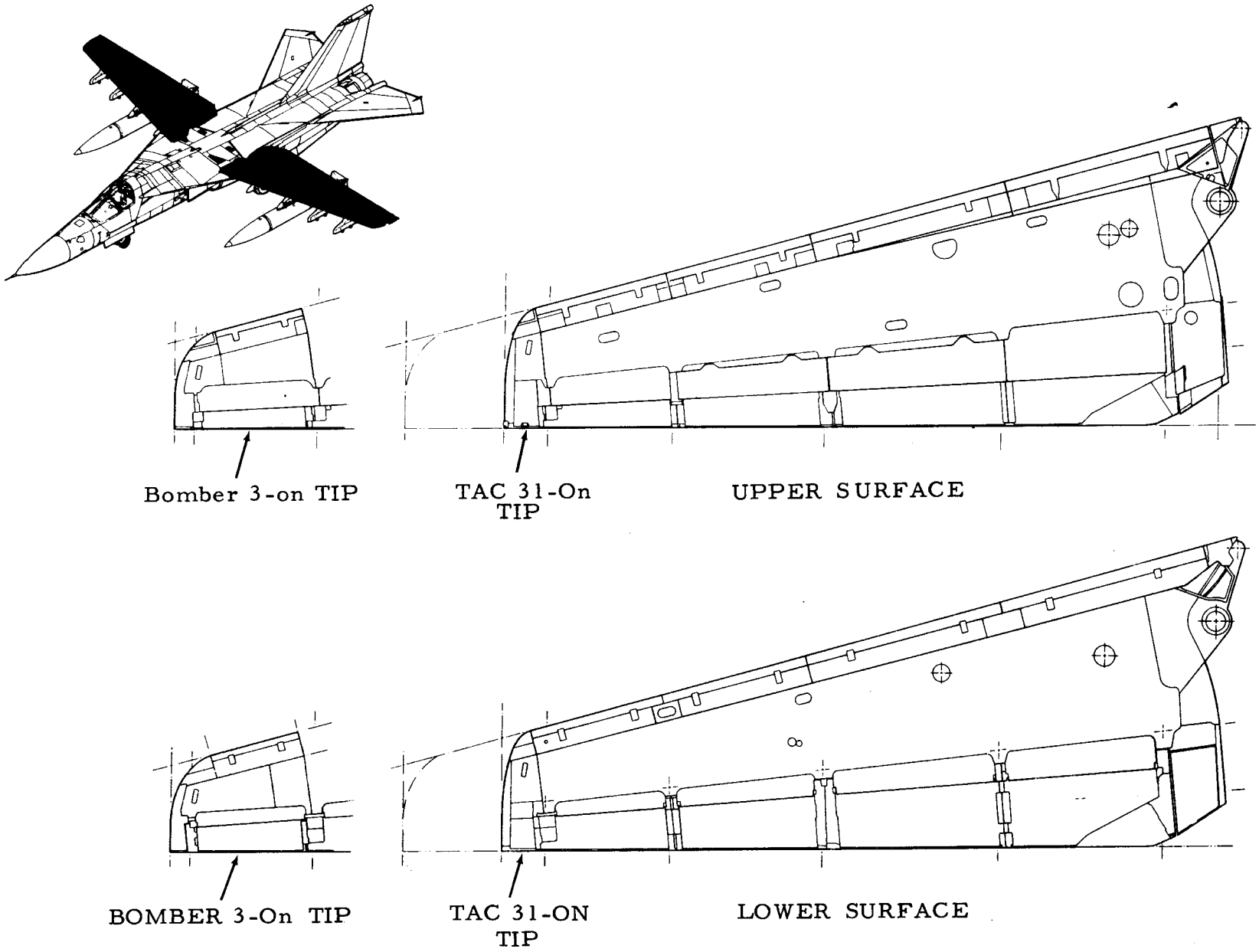
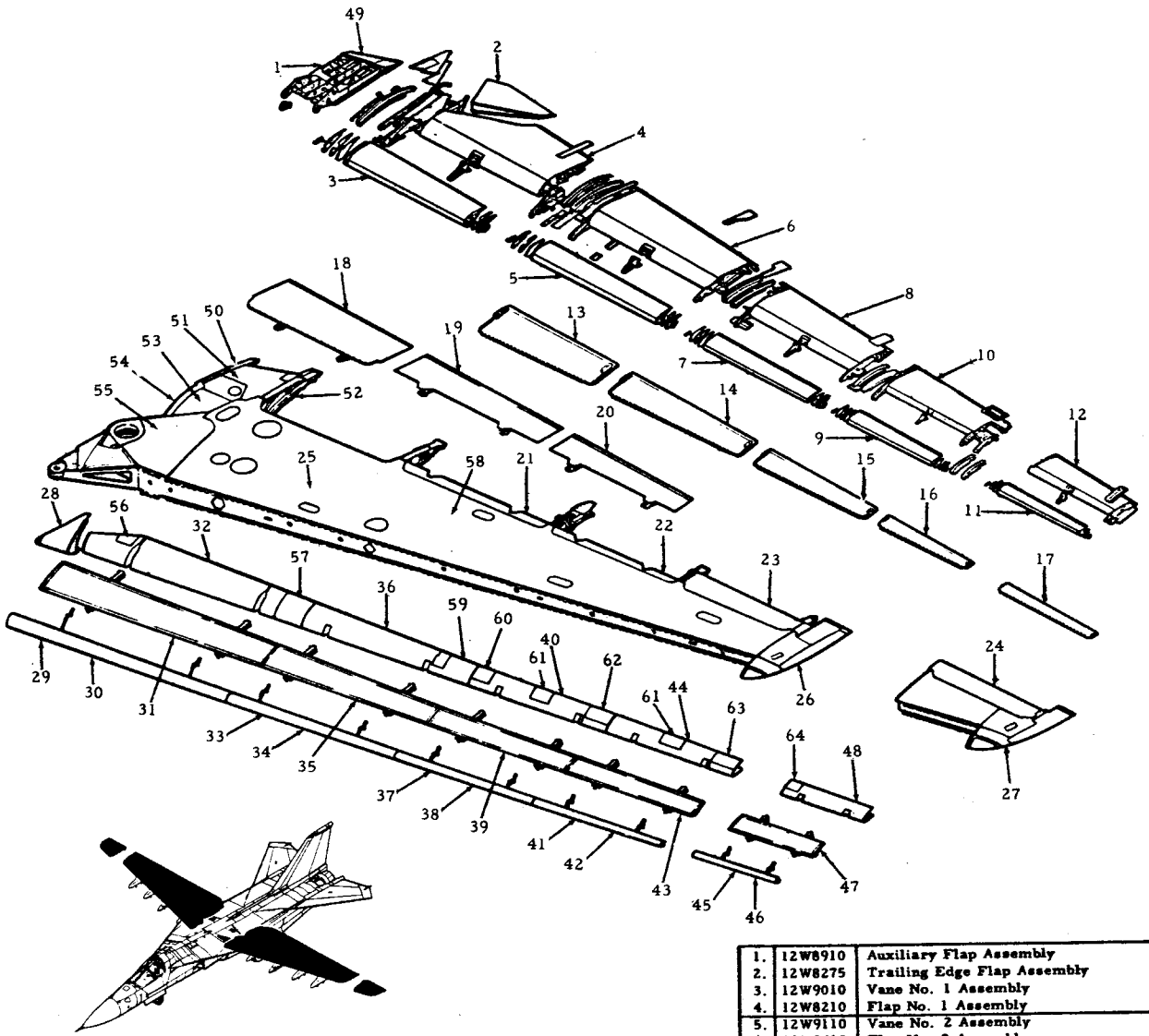


Figure 4-115 WING ASSEMBLY - PLAN VIEW



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
58.	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 4-116 WING ASSEMBLY PRODUCTION BREAKDOWN

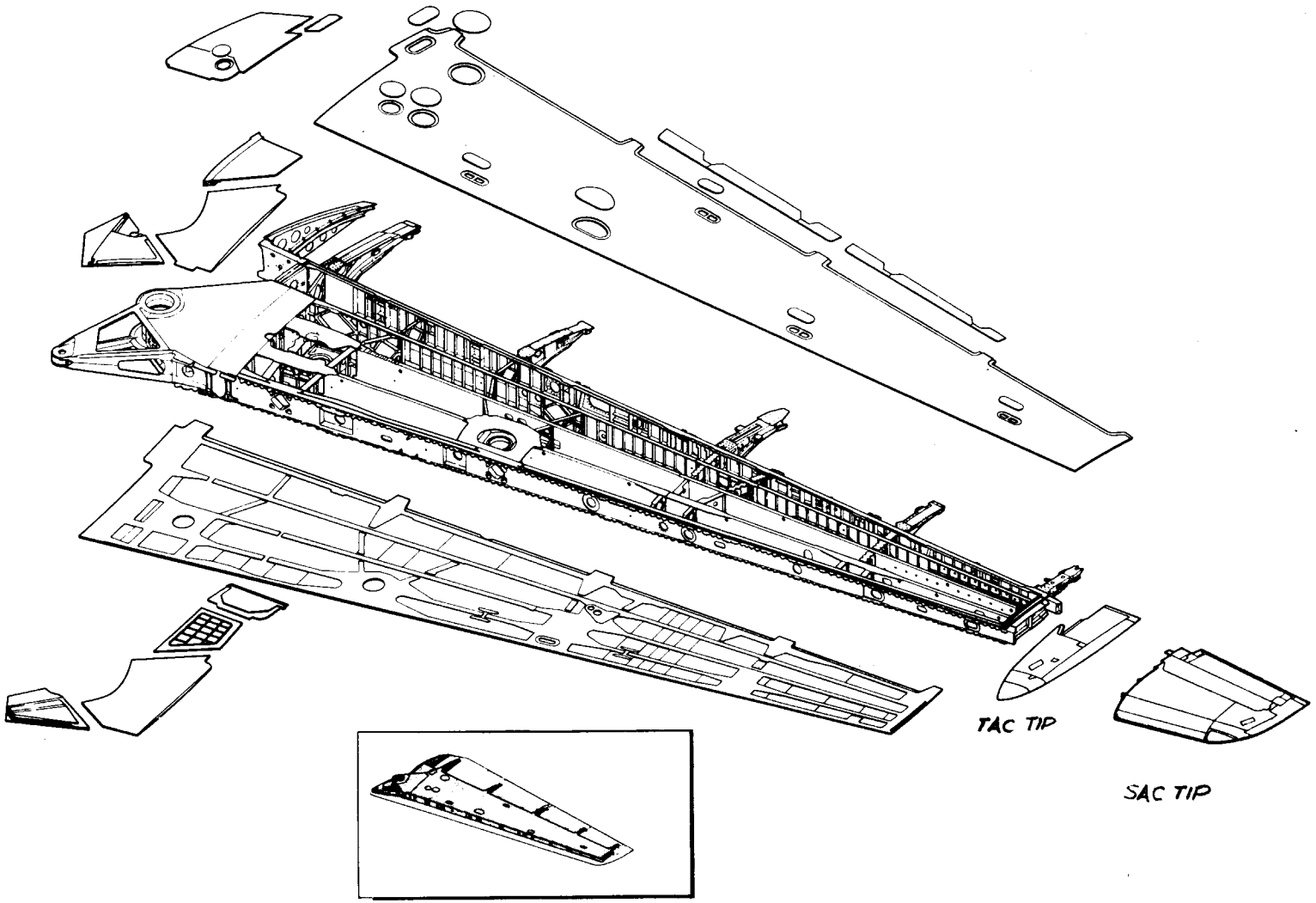


Figure 4-117 WING BOX STRUCTURE

ST-675-67

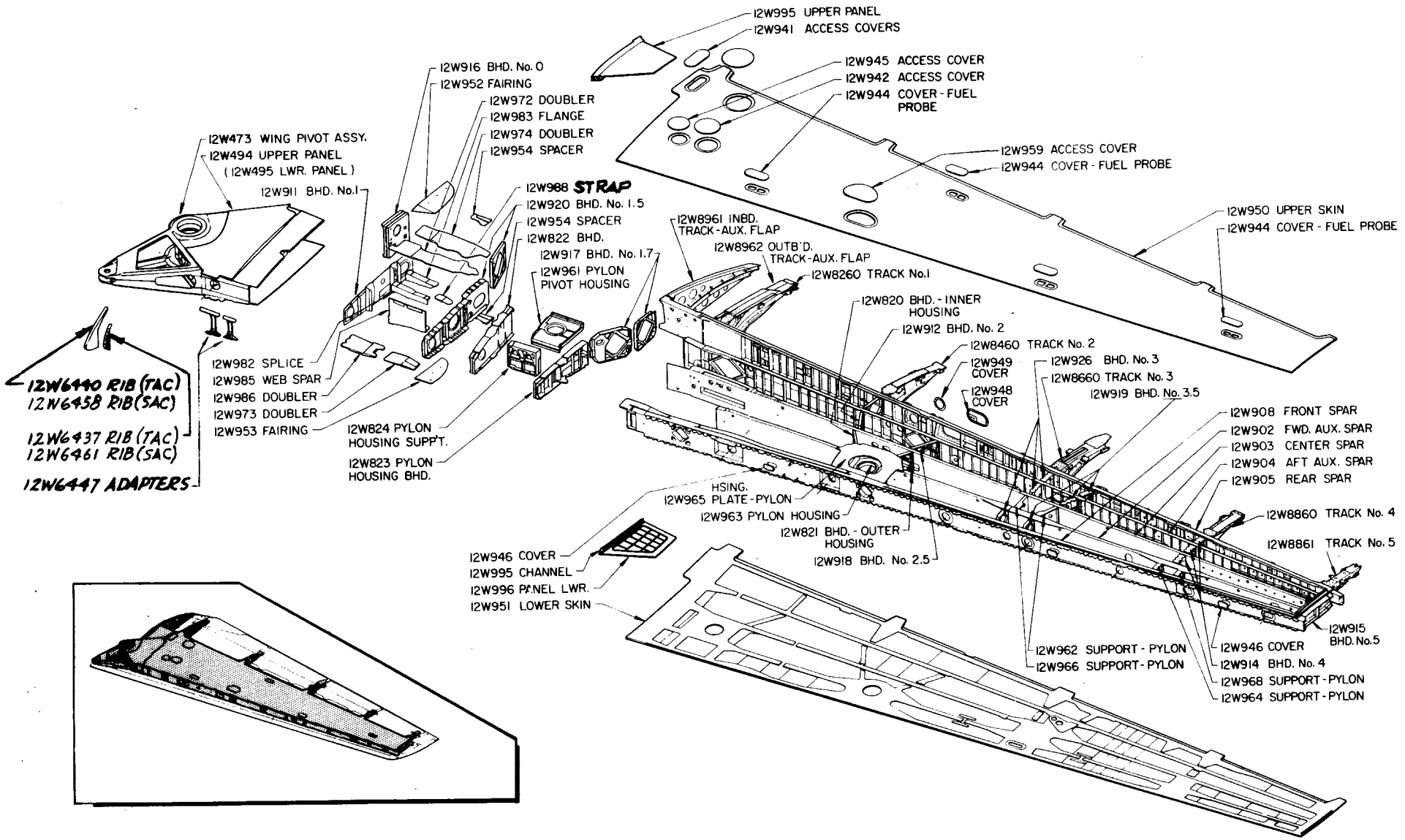
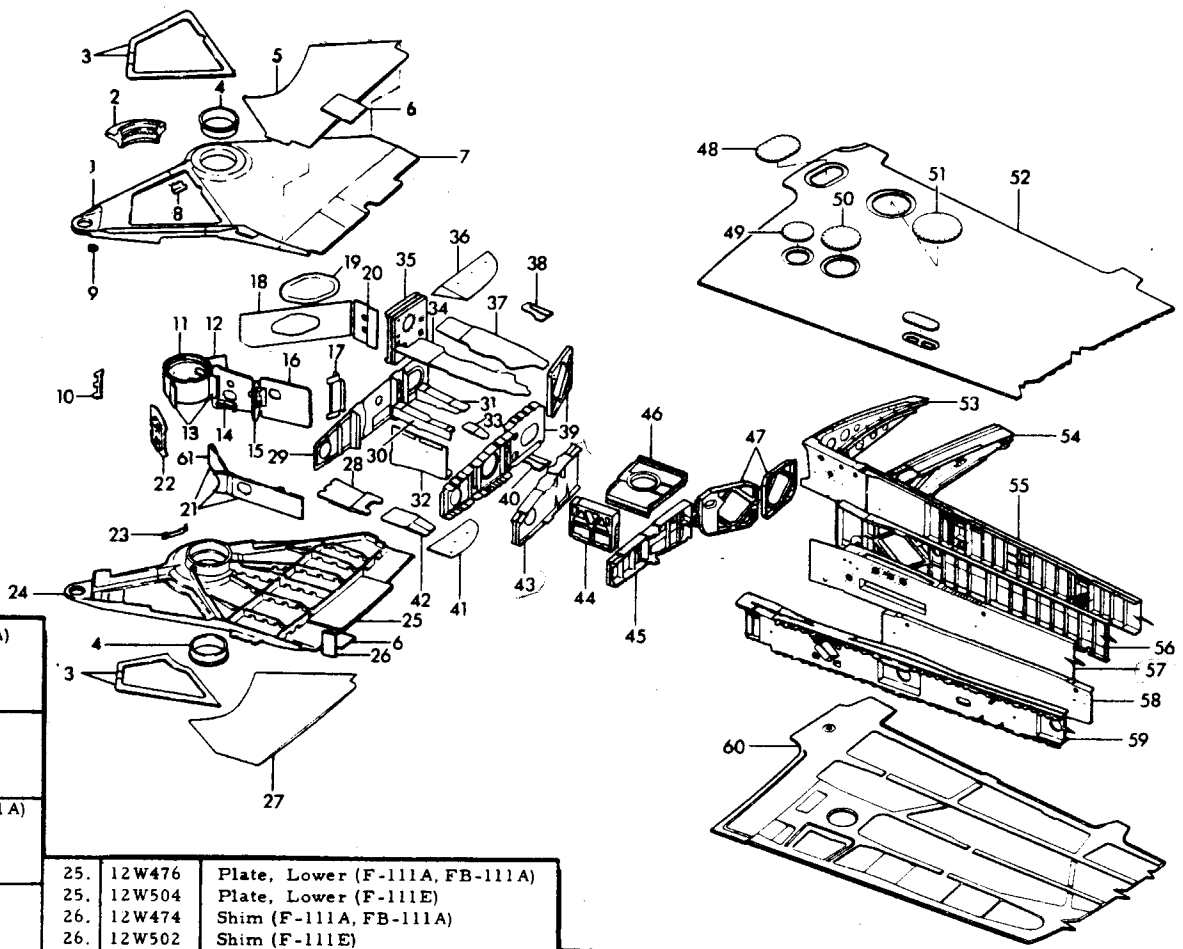


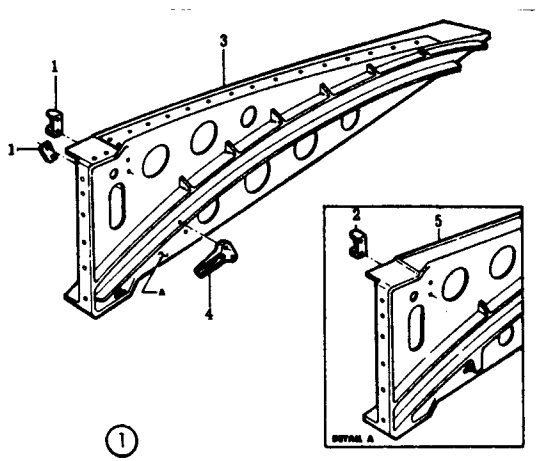
Figure 4-118 WING BOX ASSEMBLY

ST-675-67A

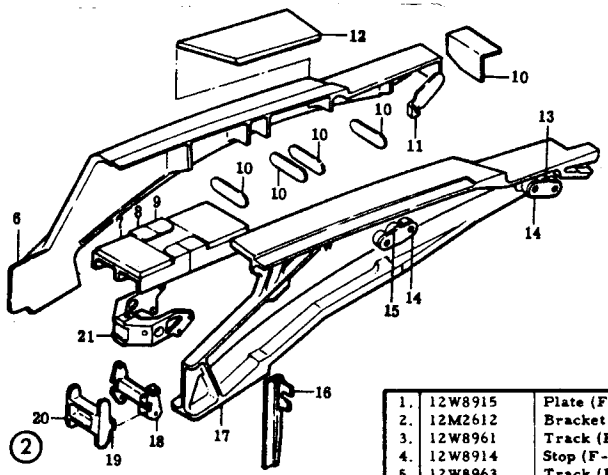


1.	12W475	Arm Plate (F-111A, FB-111A)
1.	12W503	Arm Plate (F-111E)
2.	12W412	Shear Lug
3.	12W473	Shim
4.	12W426	Bushing
5.	12W494	Panel, Wing Pivot, Upper
6.	12W474	Shim (F-111A, FB-111A)
6.	12W502	Shim (F-111E)
7.	12W475	Plate, Upper (F-111A, FB-111A)
7.	12W503	Plate, Upper (F-111E)
8.	12W427	Bracket (F-111A, FB-111A)
9.	12W433	Bracket
10.	12W6401	Retainer
11.	12W478	Ring
12.	12W472	Flange (F-111A, FB-111A)
13.	12W472	Flange
14.	12P581	Bracket (F-111A)
15.	12W406	Stiffener (F-111A, FB-111A)
15.	12W529	Stiffener (F-111E)
16.	12W490	Web, Center (F-111A, FB-111A)
16.	12W527	Web, Center (F-111E)
17.	12W984	Bracket (F-111A, FB-111A)
17.	12W528	Bracket (F-111E)
18.	12W492	Web (F-111A, FB-111A)
18.	12W592	Web (F-111E)
19.	12W473	Seal
20.	12W477	Web (F-111A, FB-111A)
20.	12W498	Web (F-111E)
21.	12W477	Web
22.	12W491	Plate
23.	12W427	Bracket
24.	12W476	Arm Plate (F-111A, FB-111A)
24.	12W504	Arm Plate (F-111E)
25.	12W476	Plate, Lower (F-111A, FB-111A)
25.	12W504	Plate, Lower (F-111E)
26.	12W474	Shim (F-111A, FB-111A)
26.	12W502	Shim (F-111E)
27.	12W495	Panel, Wing Pivot, Lower
28.	12W986	Doubler
29.	12W911	Bulkhead No. 1
30.	12W982	Flange
31.	12W983	Flange
32.	12W985	Web Spar
33.	12W988	Splice
34.	12W972	Doubler
35.	12W916	Bulkhead No. 0
36.	12W952	Fairing
37.	12W974	Doubler
38.	12W954	Spacer (F-111A)
38.	12W968	Spacer (F-111E, FB-111A)
39.	12W920	Bulkhead No. 1.5
40.	12W954	Spacer
41.	12W953	Fairing
42.	12W973	Doubler
43.	12W822	Bulkhead
44.	12W824	Pylon Housing Support
45.	12W823	Pylon Housing Bulkhead
46.	12W961	Pylon Pivot Housing
47.	12W917	Bulkhead No. 1.7
48.	12W941	Access Door
49.	12W945	Access Door
50.	12W942	Access Door
51.	12W941	Access Door
52.	12W950	Skin, Upper
53.	12W8961	Track No. 0
54.	12W8203	Track No. 1
55.	12W905	Spar, Rear
56.	12W904	Spar, Aft. Auxiliary
57.	12W903	Center Spar
58.	12W902	Fwd Auxiliary Spar
59.	12W908	Front Spar
60.	12W951	Skin, Lower
61.	12W477	Web (F-111A, FB-111A)
61.	12W588	Web (F-111E)

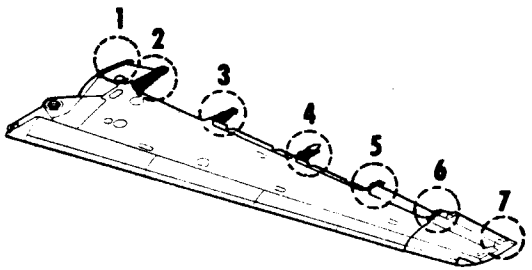
Figure 4-119 WING BOX/PIVOT FITTING SPLICE DETAIL



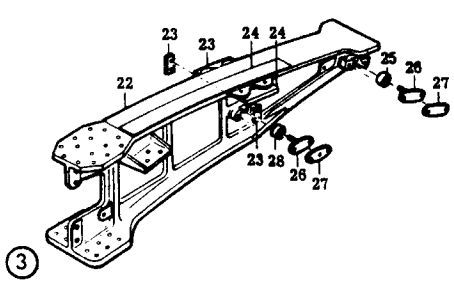
① INBOARD TRACK



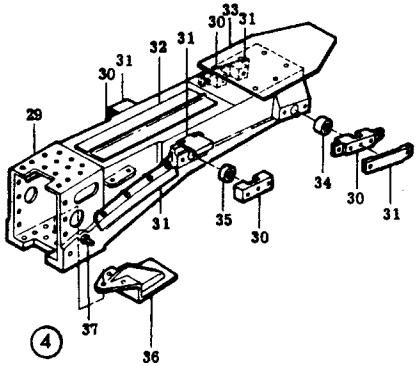
② TRACK NO.1



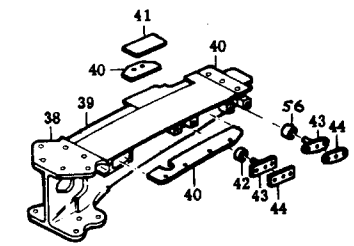
1.	12W8915	Plate (F-111A)	29.	12W8660	Rib
2.	12M2612	Bracket	30.	12W8690	Support (F-111A)
3.	12W8961	Track (F-111A)	31.	12W8685	Guide
4.	12W8914	Stop (F-111A)	32.	12W8187	Seal Assembly
5.	12W8963	Track (F-111E, FB-111A)	33.	12W8601	Plate
6.	12W8962	Track	34.	C680-17-5	Bearing (F-111A)
7.	12W8253	Splice	34.	C4294-17-6	Bearing (FB-111A, F-111E)
8.	12W8257	Stop	35.	C680-17-4	Bearing (F-111A)
9.	12W8259	Stop	35.	C4294-17-5	Bearing (FB-111A, F-111E)
10.	12W8203	Plate	36.	12W8694	Bracket
11.	12W8982	Stop (F-111A)	37.	12W8695	Stop
12.	12W8267	Filler (F-111A, FB-111A)	38.	12W8860	Rib
12.	12W8227	Filler (F-111E)	39.	12W8188	Seal Assembly
13.	C680-21-2	Bearing (F-111A)	40.	12W8801	Plate
13.	C4294-21-2	Bearing (F-111E, FB-111A)	41.	12W8801	Rub Strip
14.	12W8287	Shaft (F-111A, FB-111A)	42.	C680-17-1	Roller (F-111A)
14.	12W8282	Shaft (F-111E)	42.	C4294-17-2	Bearing (FB-111A, F-111E)
15.	C680-21-1	Bearing	43.	12W8877	Shaft (F-111A)
16.	12W8279	Stiffener	44.	12W8885	Guide
17.	12W8260	Rib	45.	12W8861	Rib
18.	12W8276	Support	46.	12W8884	Guide
19.	12W8203	Plate	47.	12W8895	Guide
20.	12W8280	Support	48.	C680-12-2	Bearing
21.	12W8278	Support (F-111A)	49.	12W8894	Cover
21.	12W8281	Support (F-111E, FB-111A)	50.	12W8879	Bracket
22.	12W8460	Rib	51.	12W9921	Rib (FB-111A)
23.	12W8485	Guide	52.	12W9911	Shim (FB-111A)
24.	12W8087	Seal Assembly	53.	12W9911	Rub Strip (FB-111A)
25.	C680-17	Bearing (F-111A)	54.	C514-10-20	Roller (FB-111A)
25.	C4294-17-1	Bearing (FB-111A, F-111E)	55.	C514-10-19	Roller (FB-111A)
26.	12W8487	Shaft	56.	C680-17-2	Roller (F-111A)
27.	12W8485	Guide	56.	C4294-17-3	Bearing (FB-111A, F-111E)
28.	C680-17-1	Bearing (F-111A)	57.	C680-12-2	Bearing (F-111A)
28.	C4294-17-2	Bearing (FB-111A, F-111E)	57.	C4294-12-1	Bearing (FB-111A, F-111E)



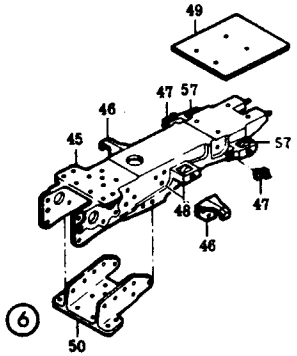
③ TRACK NO.2



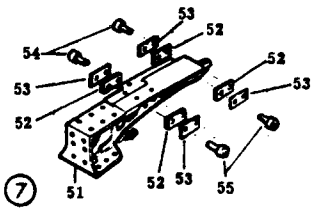
④ TRACK NO.3



⑤ TRACK NO.4



⑥ TRACK NO.5



⑦ TRACK NO.6

Figure 4-121 WING TRAILING EDGE FLAP TRACK RIBS

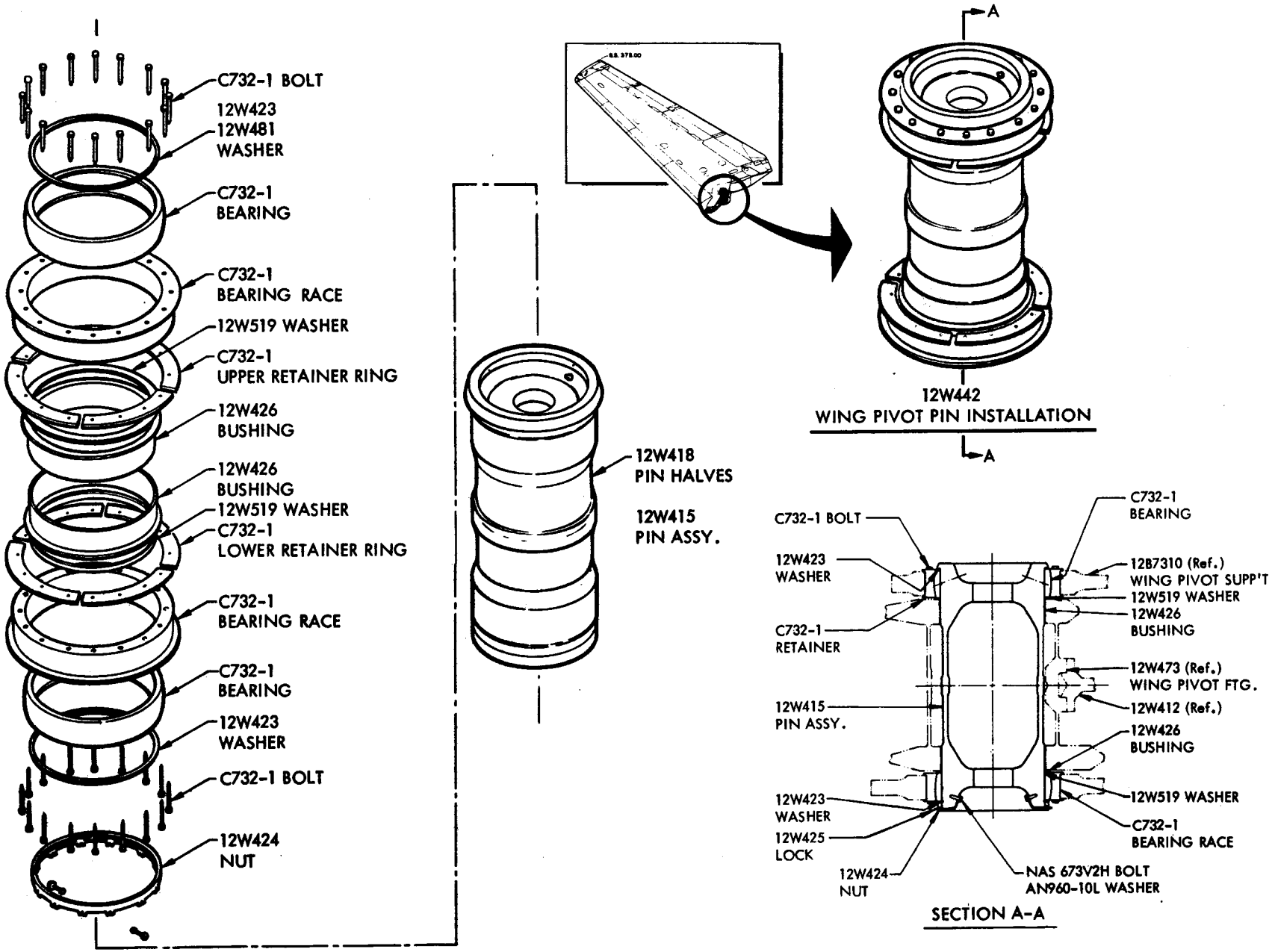
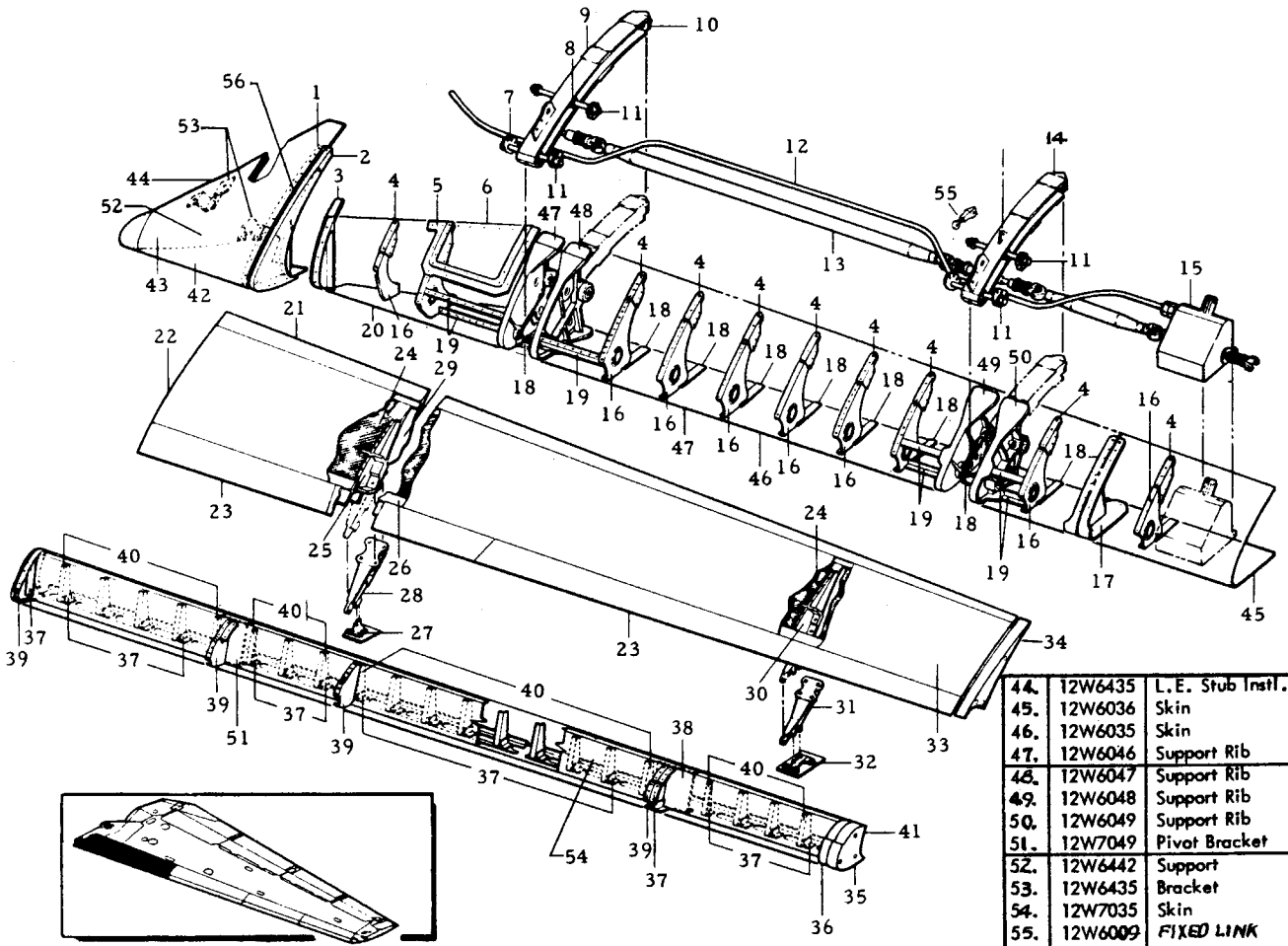
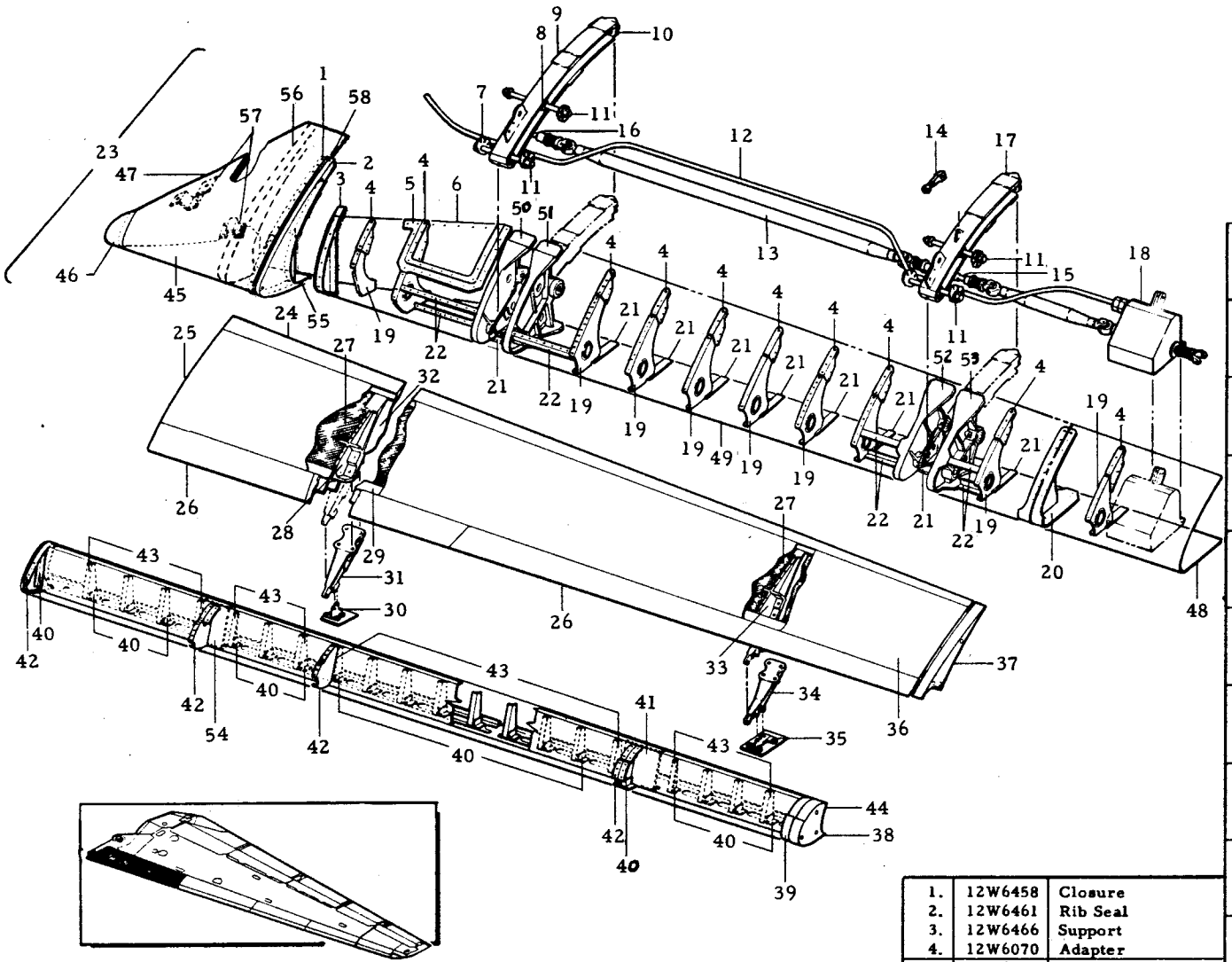


Figure 4-122 WING PIVOT PIN



1.	12W6440	Rib
2.	12W6437	Rib Seal
3.	12W6438	Rib
4.	12W6070	Adapter
5.	12W6010	Doubler
6.	12W6010	Door
7.	12W6090	Retainer
8.	12W6090	Retainer
9.	12W6060	Track
10.	12W6086	Stop
11.	12W1096	Washer
12.	CM00047	Flex Shaft
13.	12M2514	Slat Drive
14.	12W6061	Track
15.	12M2570	Gear Box
16.	12W6076	Rib
17.	12W6076	Rib
18.	12W6010	Doubler
19.	12W6010	Angle
20.	12W6010	L.E. Assy.No.1
21.	12W6094	Trailing Edge
22.	12W6510	Slat Assy.Aft Sect.
23.	12W6547	Seal
24.	12W6520	Core
25.	12W6545	Rib
26.	12W6091	Angle
27.	12W6550	Support
28.	12W6548	Adapter
29.	12W6520	Skin
30.	12W6546	Rib
31.	12W6549	Adapter
32.	12W6550	Support
33.	12W6520	Skin
34.	12W6579	Rib
35.	12W7077	Seal Rib
36.	12W7045	Rib
37.	12W7010	Support
38.	12W7048	Pivot Brkt.
39.	12W7010	Rib
40.	12W7010	Gusset
41.	12W7010	Nose Assy.Slat No.1
42.	12W6436	Inner Skin
43.	12W6435	Outer Skin
44.	12W6435	L.E. Stub Instl.
45.	12W6036	Skin
46.	12W6035	Skin
47.	12W6046	Support Rib
48.	12W6047	Support Rib
49.	12W6048	Support Rib
50.	12W6049	Support Rib
51.	12W7049	Pivot Bracket
52.	12W6442	Support
53.	12W6435	Bracket
54.	12W7035	Skin
55.	12W6009	FIXED LINK
56.	12W6441	Instl.

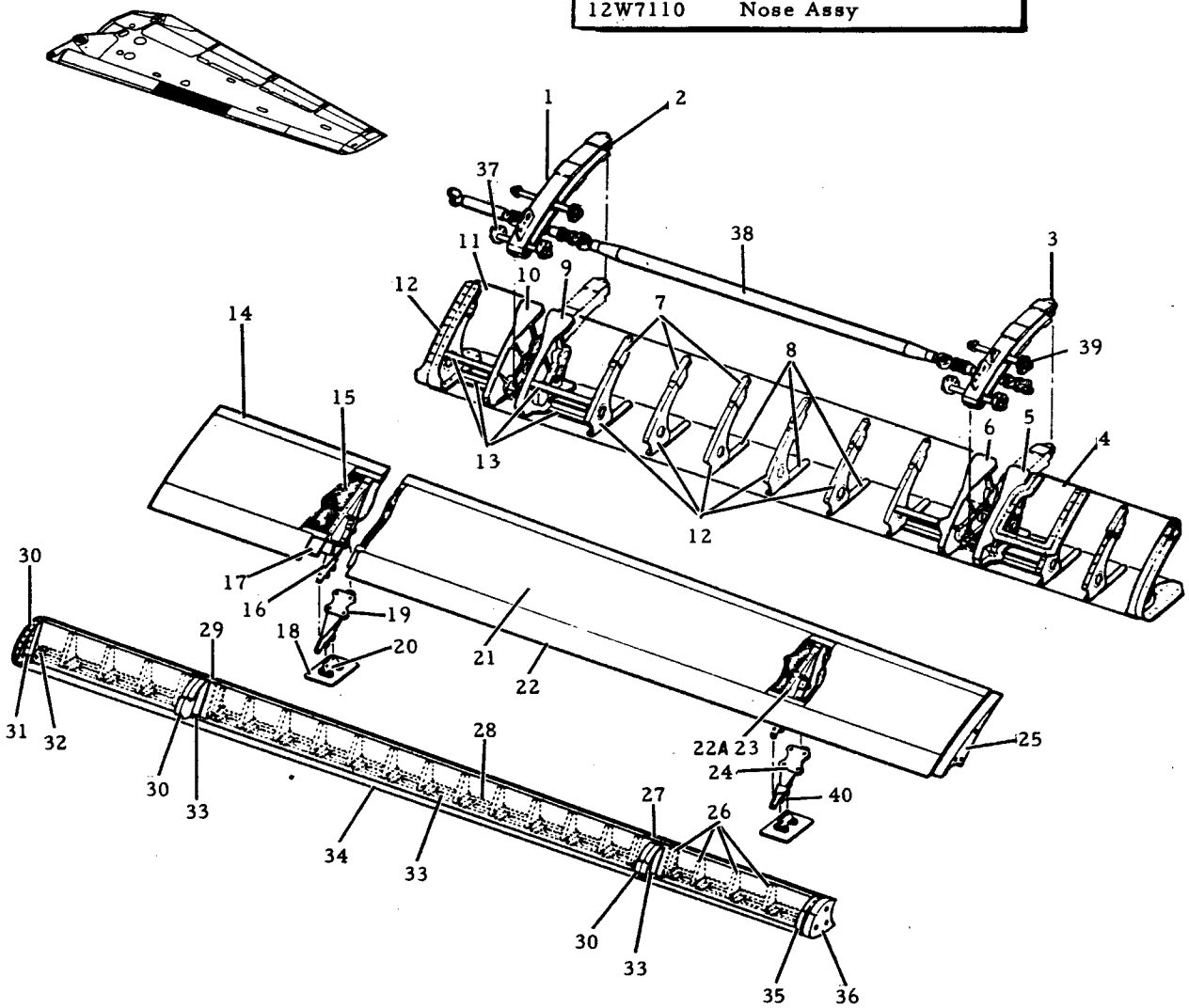
Figure 4-123 WING LEADING EDGE ASSEMBLY NO. 1 (F-111A: Al 31-159)



1.	12W6458	Closure
2.	12W6461	Rib Seal
3.	12W6466	Support
4.	12W6070	Adapter
5.	12W6010	Doubler
6.	12W6010	Door
7.	12W6090	Retainer
8.	12W6090	Retainer
9.	12W6060	Track
10.	12W6086	Stop
11.	12W1096	Washer
12.	CM00047	Flex Shaft
13.	12M2514	Slat Torque Shaft
14.	12W6009	Link
15.	12M2501	Pinion
16.	12W6090	Bushing Retainer
17.	12W6061	Track
18.	12M2570	Slat Actuator
19.	12W6076	Rib
20.	12W6076	Rib
21.	12W6010	Doubler
22.	12W6010	Angle
23.	12W6010	L. E. Assy, No. 1
24.	12W6094	Trailing Edge
25.	12W6510	Slat Assy. Aft Sect
26.	12W6547	Seal
27.	12W6525	Core
28.	12W6543	Rib
29.	12W6091	Angle
30.	12W6550	Support
31.	12W6541	Adapter
32.	12W6525	Skin
33.	12W6544	Rib
34.	12W6542	Adapter
35.	12W6550	Support
36.	12W6525	Skin
37.	12W6579	Rib
38.	12W7077	Seal Rib
39.	12W7045	Rib
40.	12W7010	Support
41.	12W7048	Pivot Brkt.
42.	12W7010	Rib
43.	12W7010	Gusset
44.	12W7010	Nose Assy. Slat No. 1
45.	12W6454	Skin
46.	12W6435	Cap
47.	12W6435	L. E. Stub Instl.
48.	12W6036	Skin
49.	12W6035	Skin
50.	12W6046	Support Rib
51.	12W6047	Support Rib
52.	12W6048	Support Rib
53.	12W6049	Support Rib
54.	12W7049	Pivot Bracket
55.	12W6417	Adapter
56.	12W6462	Rib
57.	12W6435	Bracket
58.	12W6457	Instl.

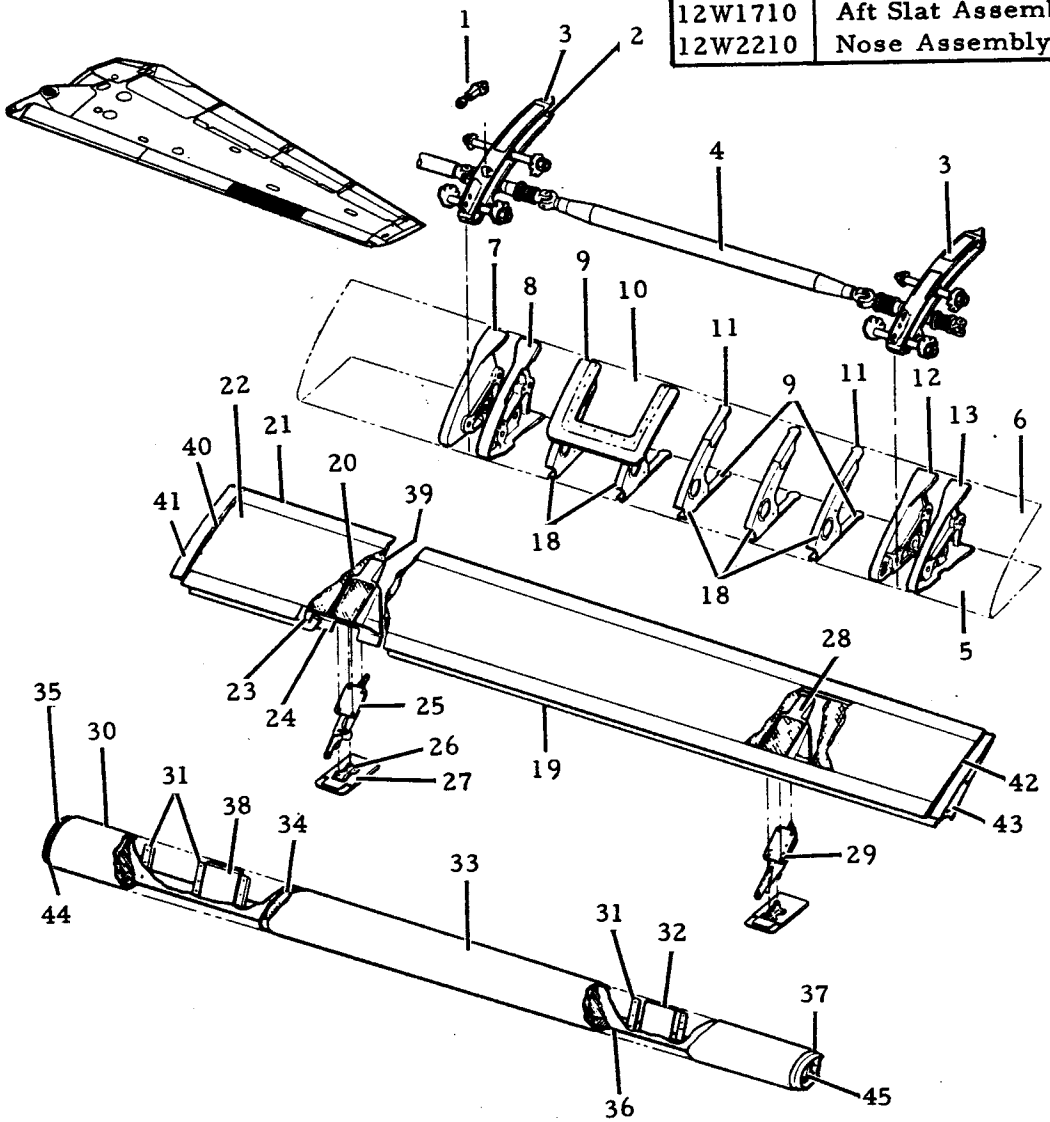
Figure 4-124 WING LEADING EDGE ASSEMBLY NO. 1

12W6111	Linkage Instl.
12W6110	Fixed L.E. Edge Assy.
12W6610	Aft Slat Assy
12W7110	Nose Assy



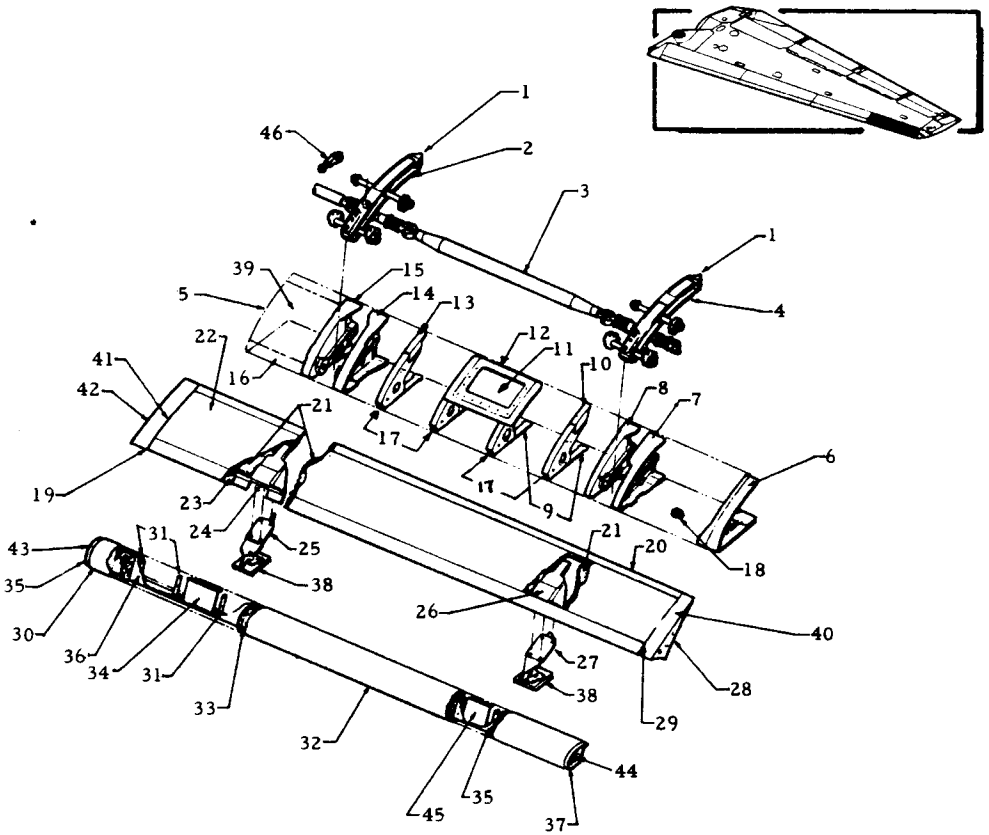
1.	12W6160	Track
2.	12W6186	Stop
3.	12W6161	Track
4.	12W6110	Access Door
5.	12W6149	Support Rib
6.	12W6148	Support Rib
7.	12W6070	Adapter
8.	12W6110	Doubler
9.	12W6147	Support Rib
10.	12W6146	Support Rib
11.	12W6135	Skin
12.	12W6176	Rib
13.	12W6110	Angle
14.	12W6099	Trailing Edge
15.	12W6620	Core (F-111A)
15.	12W6625	Core (F-111E, FB-111A)
16.	12W6645	Rib (F-111A)
16.	12W6643	Rib (FB-111A), (F-111E)
17.	12W6191	Spar
18.	12W6106	Fairing
19.	12W6648	Adapter (F-111A)
19.	12W6641	Adapter (F-111E, FB-111A)
20.	12W6550	Fairing Support
21.	12W6620	Skin (F-111A)
21.	12W6625	Skin (FB-111A, F-111E)
22.	12W6547	Seal
22A	12W6646	Rib (F-111A)
23.	12W6644	Rib (FB-111A, F-111E)
24.	12W6649	Adapter (F-111A)
24.	12W6642	Adapter (FB-111A, F-111E)
25.	12W6679	Seal Rib
26.	12W7110	Gussets
27.	12W7148	Pivot Bracket
28.	12W7110	Seal
29.	12W7149	Pivot Bracket
30.	12W7110	Rib
31.	12W7110	Angle
32.	12W7110	Clip
33	12W7110	Support
34.	12W7135	Skin
35.	12W7145	Rib
36.	12W7177	Seal Rib
37.	12W6090	Bushing Retainer
38.	12M2514	Slat Drive
39.	12W1096	Washer
40.	12W6009	Fixed Link

Figure 4-125 WING LEADING EDGE ASSEMBLY NO. 2



1.	12W6009	Fixed Link
2.	12W1086	Stop
3.	12W6260	Track
4.	12M2505	Torque Tube
5.	12W6210	Fixed Leading Edge Assembly
6.	12W6235	Skin
7.	12W6246	Support Rib
8.	12W6247	Support Rib
9.	12W6210	Doubler
10.	12W6236	Access Door
11.	12W6270	Clip and Ribs
12.	12W6248	Support Rib
13.	12W6249	Support Rib
14.	12W6275	Rib
15.	12W6204	Skin
16.	12W6244	Doubler
17.	12W6204	Doubler
18.	12W6276	Rib
19.	12W1710	Aft Slat Assembly
20.	12W1720	Core
21.	12W1099	Trailing Edge
22.	12W6735	Upper Skin (F-111E, FB-111A)
22.	12W1735	Upper Skin
23.	12W1720	Spar
24.	12W6745	Rib (F-111E) (FB-111A)
24.	12W1745	Rib (F-111A)
25.	12W6748	Support (F-111A, F-111E)
25.	12W1748	Support (F-111A)
26.	12W1550	Fairing Support
27.	12W1206	Fairing
28.	12W6746	Rib (FB-111A, F-111E)
28.	12W1746	Rib (F-111A)
29.	12W6749	Support (F-111E, FB-111A)
29.	12W1749	Support (F-111A)
30.	12W2210	Nose Assembly
31.	12W2220	Stiffener
32.	12W2248	Support
33.	12W2210	Skin
34.	12W2220	Core
35.	12W2246	Seal Rib
36.	12W2220	Spar
37.	12W2245	Seal Rib
38.	12W2249	Gusset
39.	12W6736	Lower Skin (F-111E, FB-111A)
39.	12W1736	Lower Skin (F-111A)
40.	12W1775	Rib
41.	12W1777	Extension
42.	12W1776	Rib (F-111A)
43.	12W1779	Extension (F-111A)
44.	12W2276	Extension
45.	12W2277	Extension
46.	12W6204	Skin

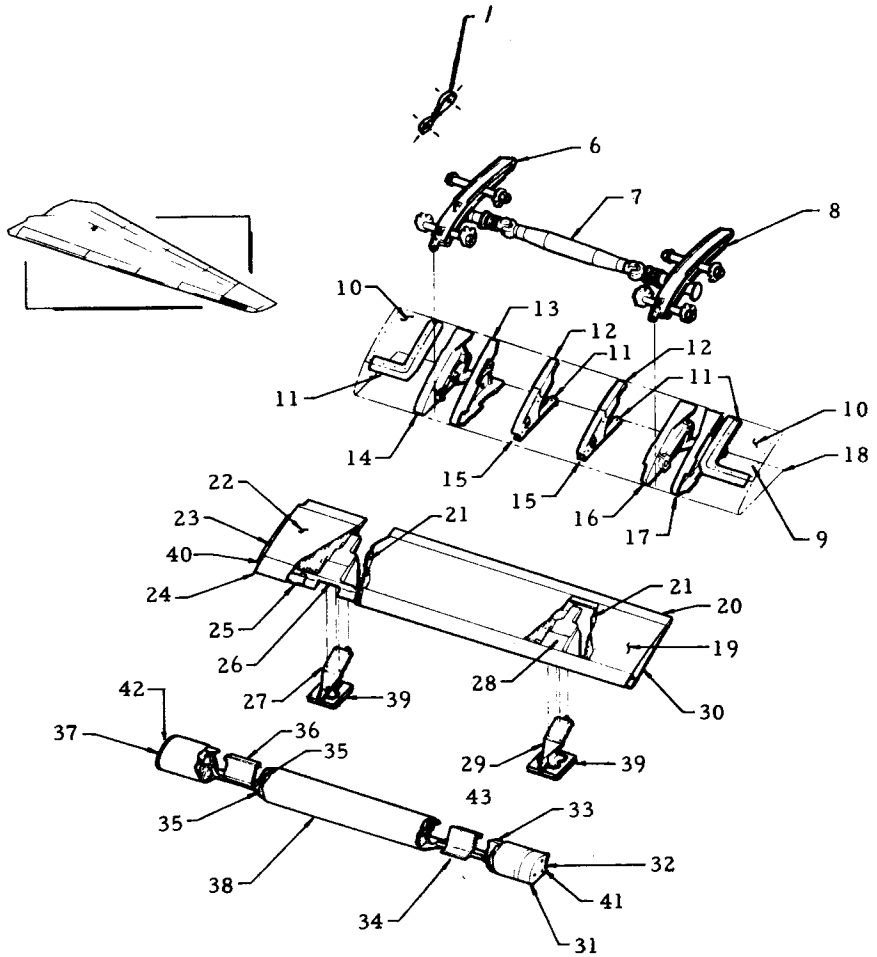
Figure 4-126 WING LEADING EDGE ASSEMBLY NO. 3



	12W1311	Linkage Installation
	12W6310	Fixed Leading Edge Assembly No. 4
	12W1810	Slat Assembly No. 4
1.	12W1086	Stop
2.	12W6360	Track
3.	12M2505	Slat Drive
4.	12W6361	Track
5.	12W6310	Fixed Leading Edge
6.	12W5275	Rib (FB-111A)
7.	12W6349	Support Rib
8.	12W6348	Support Rib
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.	12W2340	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

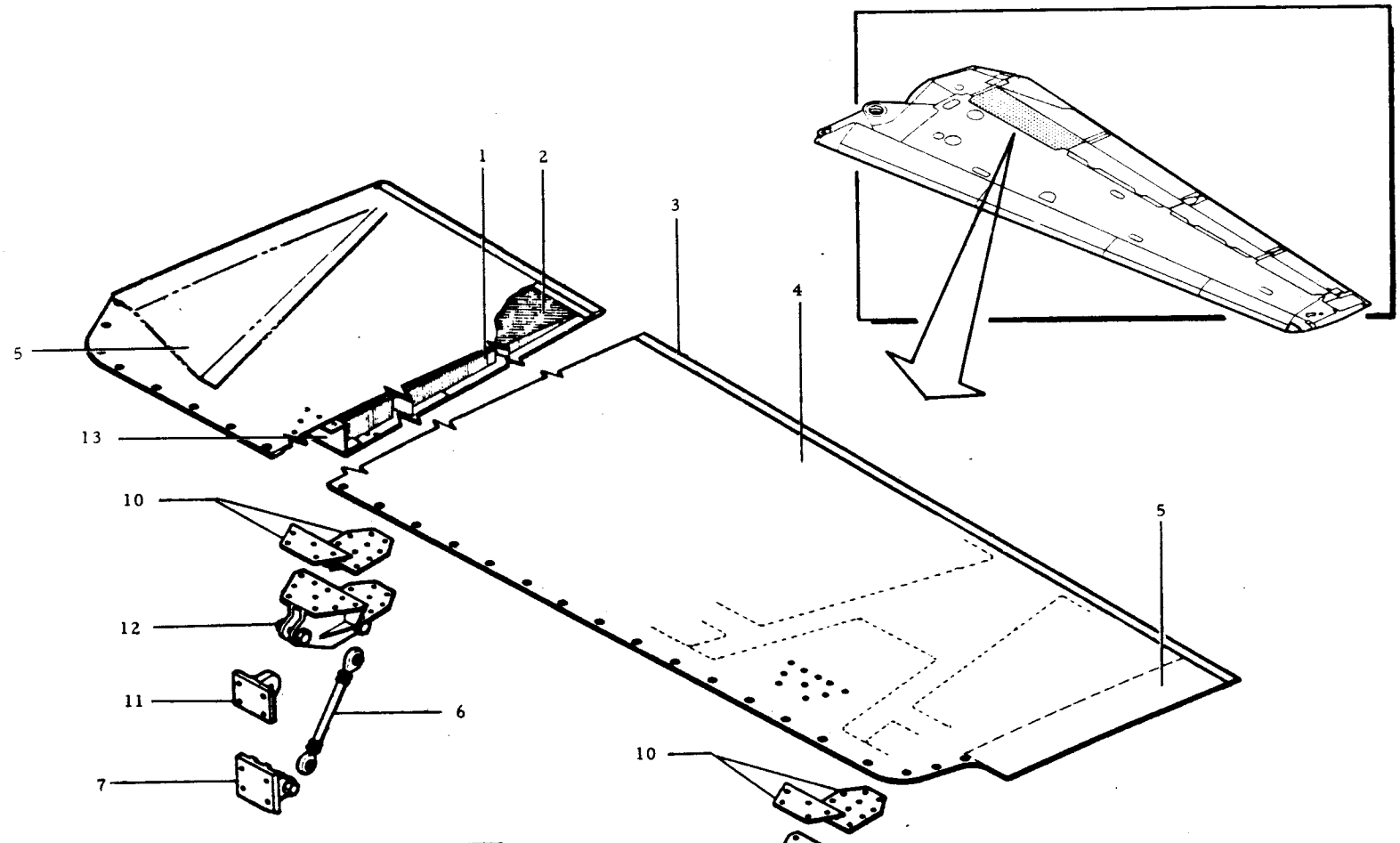
Figure 4-127 WING LEADING EDGE ASSEMBLY NO. 4

12W5211	Linkage Instl.
12W5910	Fixed L.E. No. 5 Assy.
12W5310	Aft Slat No. 5 Assy.
12W5410	Nose Slat No. 5 Assy.



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)

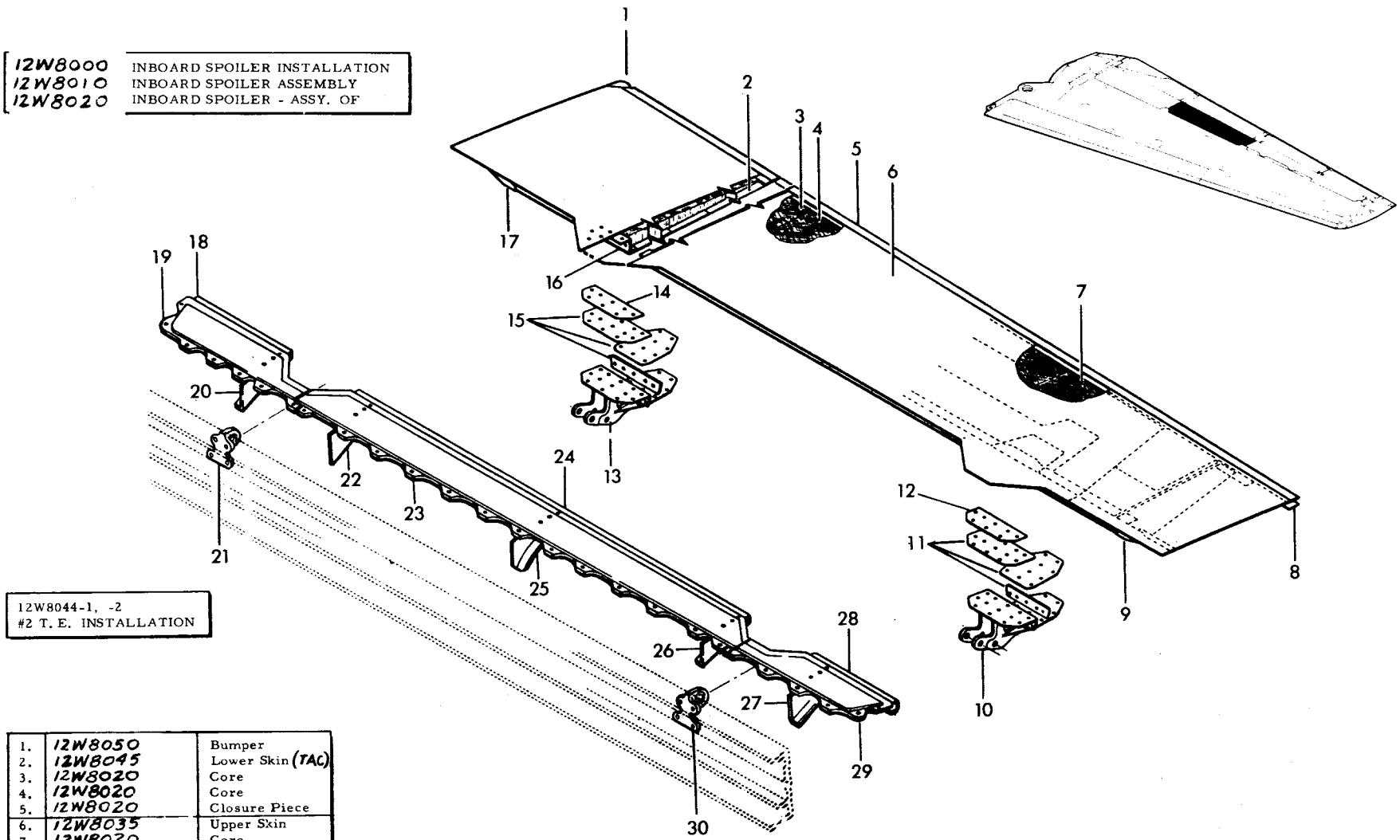


1.	12W7950	Skin - Lower
2.	12W7925	Core
3.	12W7925	Closure Piece
4.	12W7940	Skin - Upper
5.	12W7925	Edge Member
6.	12W2980	Turnbuckle Assy.
7.	12H304	Support Assy.
8.	12W2951	Support Assy.
9.	12W7949	Hinge Assy.
10.	12W2985	Shims
11.	12W2950	Support Assy.
12.	12W7948	Hinge Assy.
13.	12W7951	Spar (Tac)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

12W7905	T. E. INSTALLATION, FIXED - NO. 1
12W7925	T. E. ASSEMBLY, FIXED - NO. 1

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

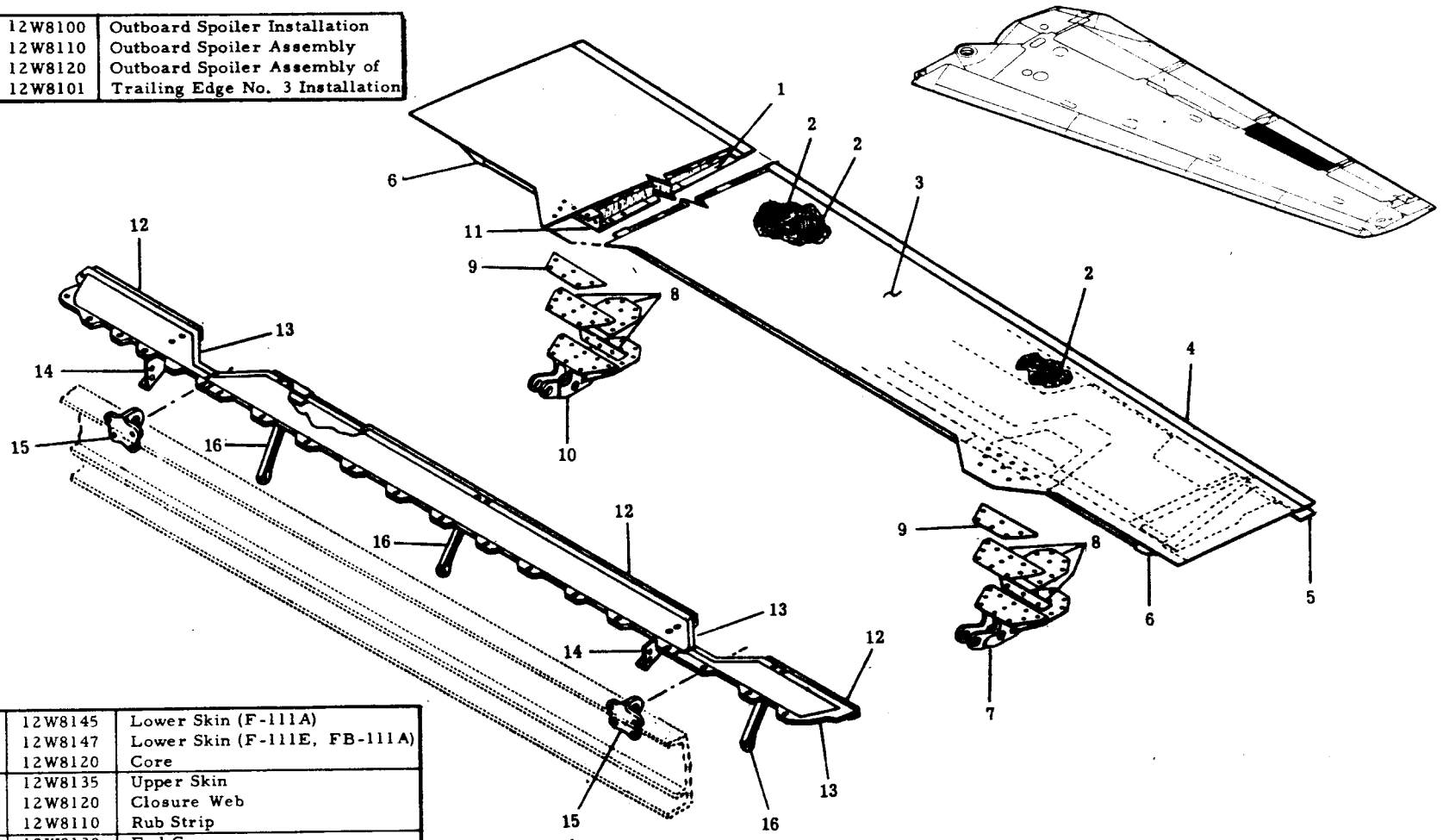
1.	12W8050	Bumper
2.	12W8045	Lower Skin (TAC)
3.	12W8020	Core
4.	12W8020	Core
5.	12W8020	Closure Piece
6.	12W8035	Upper Skin
7.	12W8020	Core
8.	12W8010	Rub Strip
9.	12W8020	Edge Member
10.	12W3047	Hinge
11.	12W3085	Lamination
12.	12W8010	Filler
13.	12W3046	Hinge
14.	12W8010	Filler
15.	12W3085	Lamination
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)

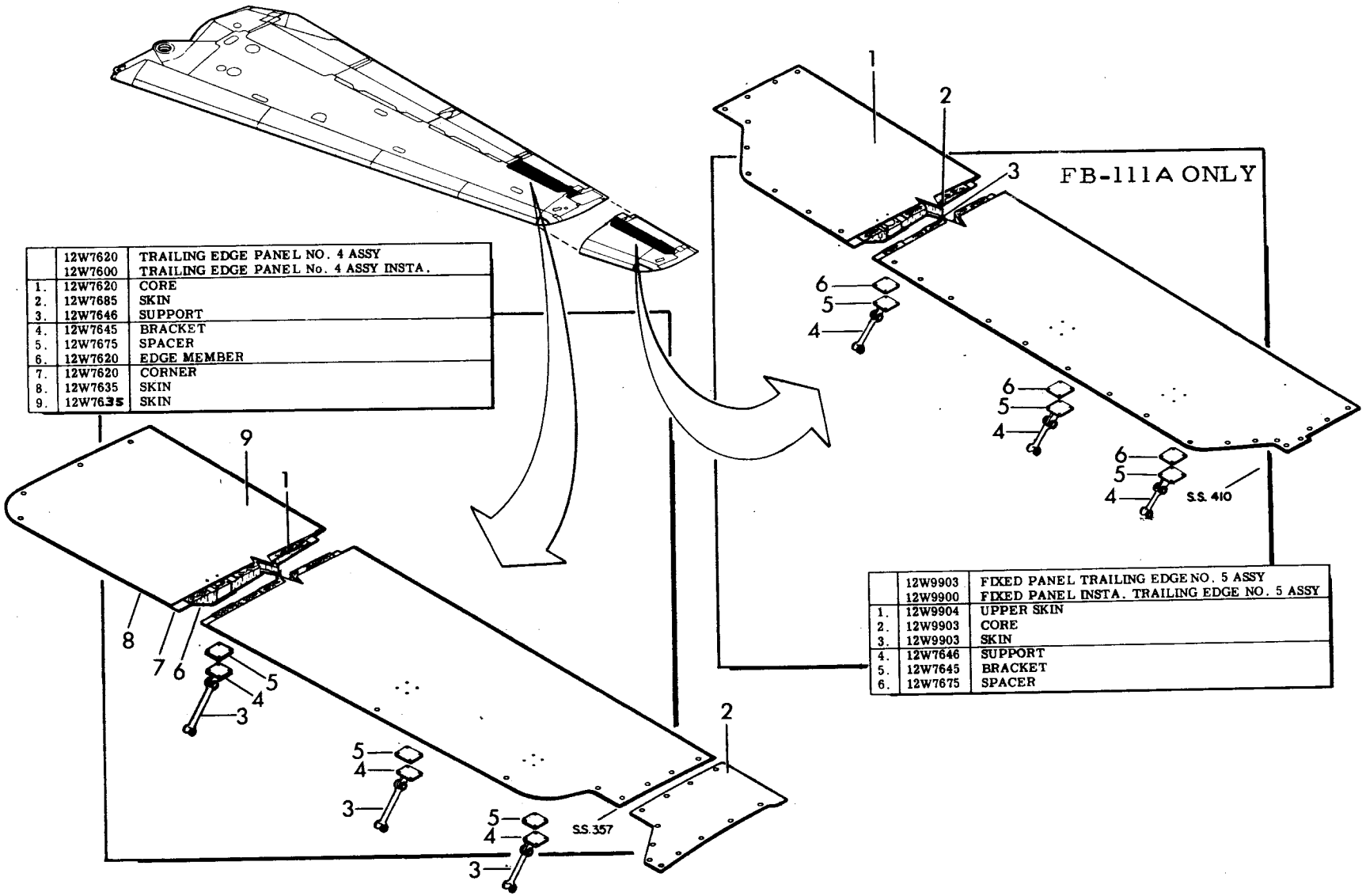
Figure 4-130 INBOARD SPOILER AND NO. 2 TRAILING EDGE INSTALLATION

12W8100	Outboard Spoiler Installation
12W8110	Outboard Spoiler Assembly
12W8120	Outboard Spoiler Assembly of
12W8101	Trailing Edge No. 3 Installation



1.	12W8145	Lower Skin (F-111A)
1.	12W8147	Lower Skin (F-111E, FB-111A)
2.	12W8120	Core
3.	12W8135	Upper Skin
4.	12W8120	Closure Web
5.	12W8110	Rub Strip
6.	12W8120	End Cap
7.	12W3147	Hinge
8.	12W3185	Shim
9.	12W8110	Filler
10.	12W3146	Hinge
11.	12W8145	Frame (F-111A)
11.	12W8146	Frame (F-111E, FB-111A)
12.	12W8101	Stiffener
13.	12W8136	Skin
14.	12W7976	Brace
15.	12W8075	Support
16.	12W8175	Support

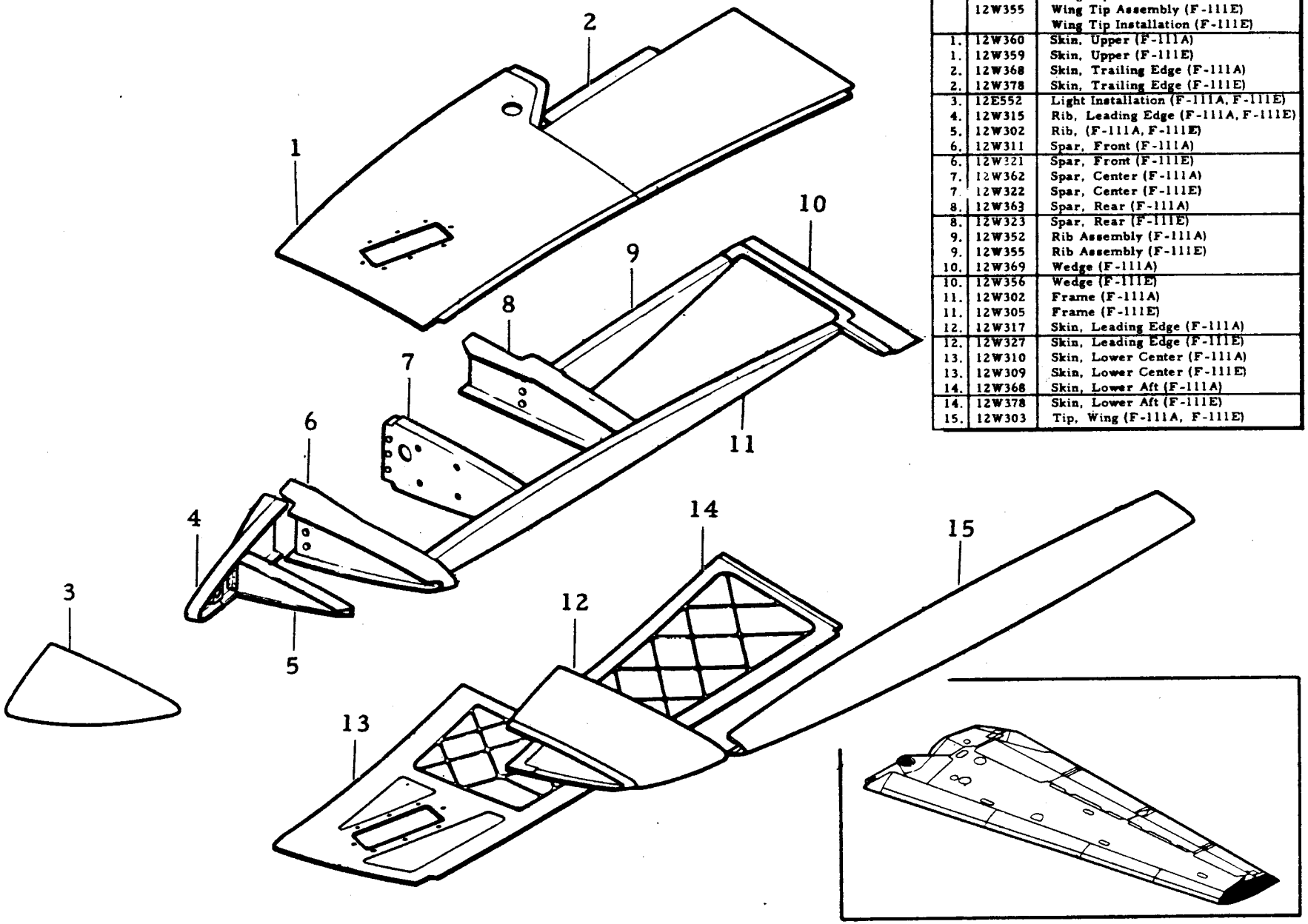
Figure 4-131 OUTBOARD SPOILER AND NO. 3 TRAILING EDGE INSTALLATION



	12W7620	TRAILING EDGE PANEL NO. 4 ASSY
	12W7600	TRAILING EDGE PANEL No. 4 ASSY INSTA.
1.	12W7620	CORE
2.	12W7685	SKIN
3.	12W7646	SUPPORT
4.	12W7645	BRACKET
5.	12W7675	SPACER
6.	12W7620	EDGE MEMBER
7.	12W7620	CORNER
8.	12W7635	SKIN
9.	12W7635	SKIN

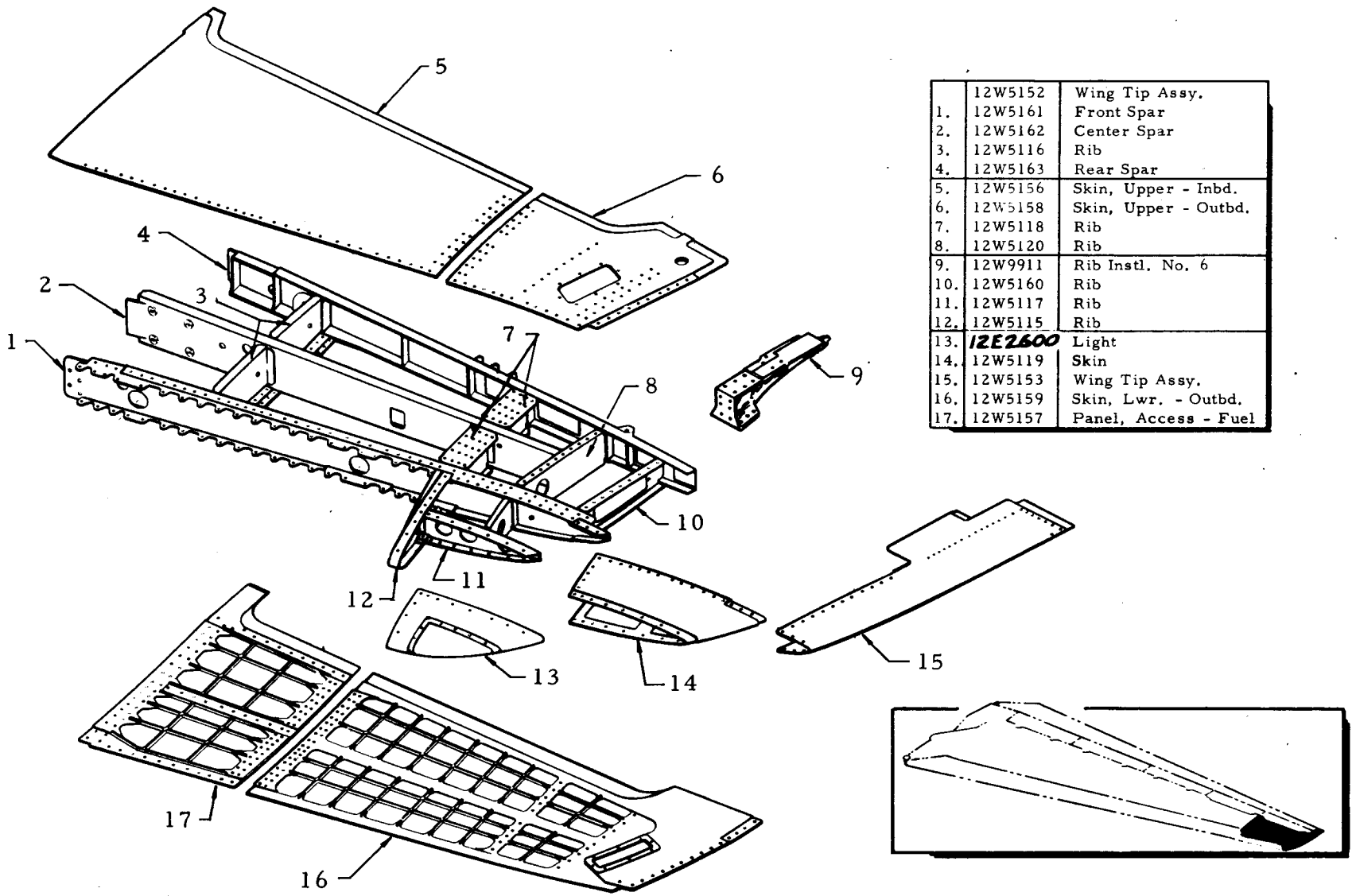
	12W9903	FIXED PANEL TRAILING EDGE NO. 5 ASSY
	12W9900	FIXED PANEL INSTA. TRAILING EDGE NO. 5 ASSY
1.	12W9904	UPPER SKIN
2.	12W9903	CORE
3.	12W9903	SKIN
4.	12W7646	SUPPORT
5.	12W7645	BRACKET
6.	12W7675	SPACER

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



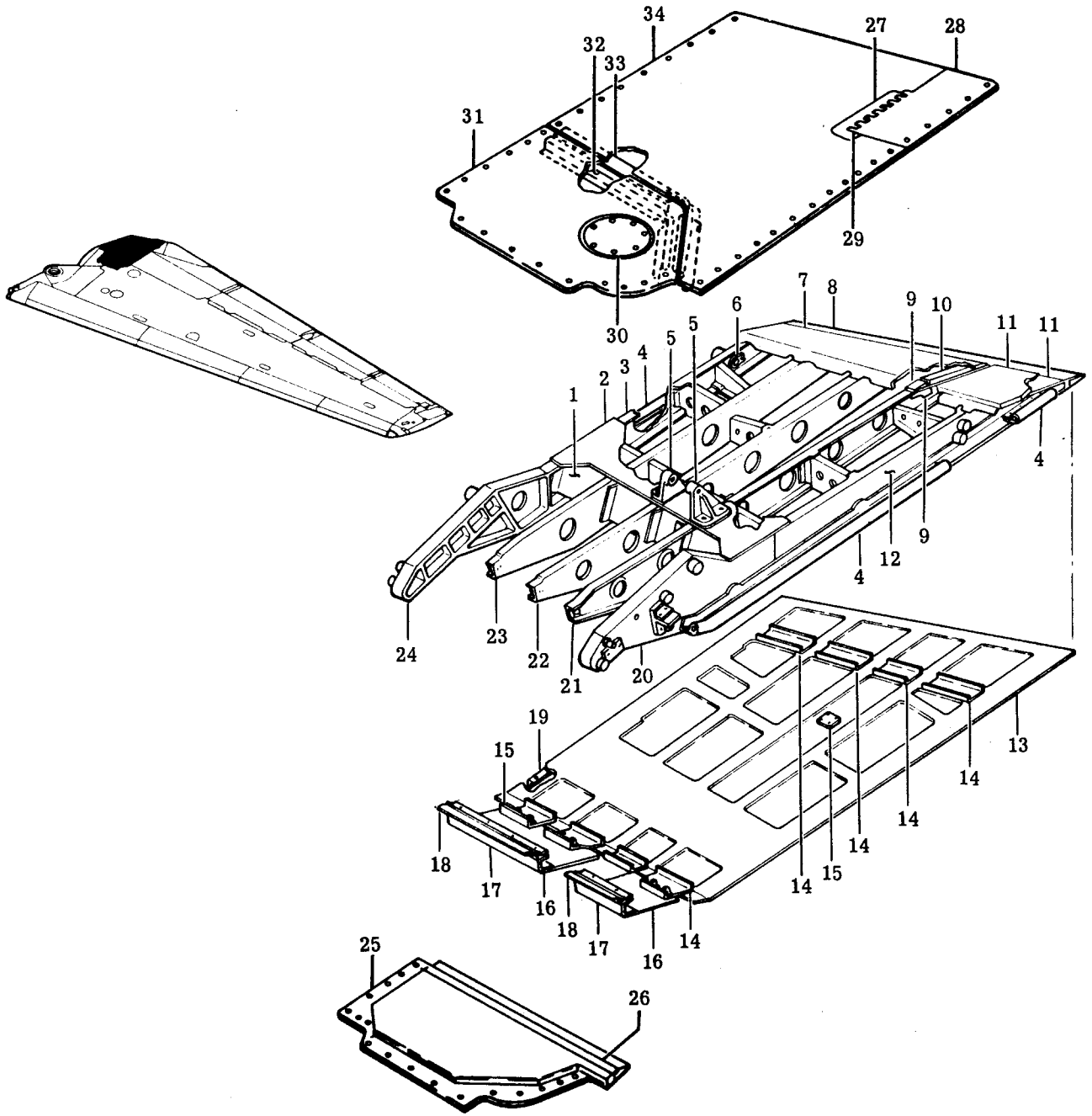
	12W352	Wing Tip Assembly (F-111A)
		Wing Tip Installation (F-111A)
	12W355	Wing Tip Assembly (F-111E)
		Wing Tip Installation (F-111E)
1.	12W360	Skin, Upper (F-111A)
1.	12W359	Skin, Upper (F-111E)
2.	12W368	Skin, Trailing Edge (F-111A)
2.	12W378	Skin, Trailing Edge (F-111E)
3.	12E552	Light Installation (F-111A, F-111E)
4.	12W315	Rib, Leading Edge (F-111A, F-111E)
5.	12W302	Rib, (F-111A, F-111E)
6.	12W311	Spar, Front (F-111A)
6.	12W321	Spar, Front (F-111E)
7.	12W362	Spar, Center (F-111A)
7.	12W322	Spar, Center (F-111E)
8.	12W363	Spar, Rear (F-111A)
8.	12W323	Spar, Rear (F-111E)
9.	12W352	Rib Assembly (F-111A)
9.	12W355	Rib Assembly (F-111E)
10.	12W369	Wedge (F-111A)
10.	12W356	Wedge (F-111E)
11.	12W302	Frame (F-111A)
11.	12W305	Frame (F-111E)
12.	12W317	Skin, Leading Edge (F-111A)
12.	12W327	Skin, Leading Edge (F-111E)
13.	12W310	Skin, Lower Center (F-111A)
13.	12W309	Skin, Lower Center (F-111E)
14.	12W368	Skin, Lower Aft (F-111A)
14.	12W378	Skin, Lower Aft (F-111E)
15.	12W303	Tip, Wing (F-111A, F-111E)

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



	12W5152	Wing Tip Assy.
1.	12W5161	Front Spar
2.	12W5162	Center Spar
3.	12W5116	Rib
4.	12W5163	Rear Spar
5.	12W5156	Skin, Upper - Inbd.
6.	12W5158	Skin, Upper - Outbd.
7.	12W5118	Rib
8.	12W5120	Rib
9.	12W9911	Rib Instl. No. 6
10.	12W5160	Rib
11.	12W5117	Rib
12.	12W5115	Rib
13.	12E2600	Light
14.	12W5119	Skin
15.	12W5153	Wing Tip Assy.
16.	12W5159	Skin, Lwr. - Outbd.
17.	12W5157	Panel, Access - Fuel

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. UPR
32.	12W7524	Stiffener
33.	12W7525	Stiffener
34.	12W7525	T.E. Assy. Upper

Figure 4-135 AUXILIARY FLAP AREA

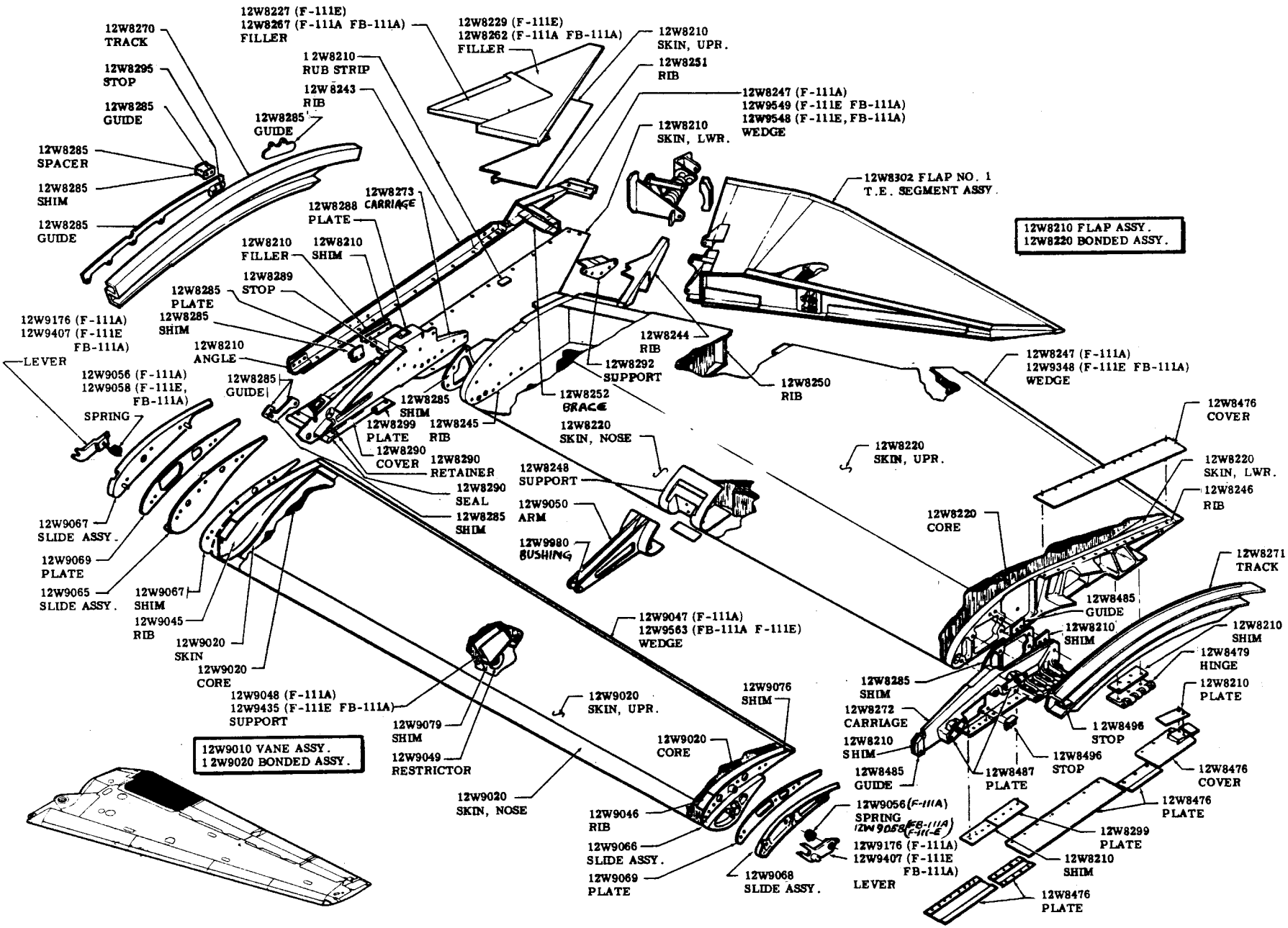
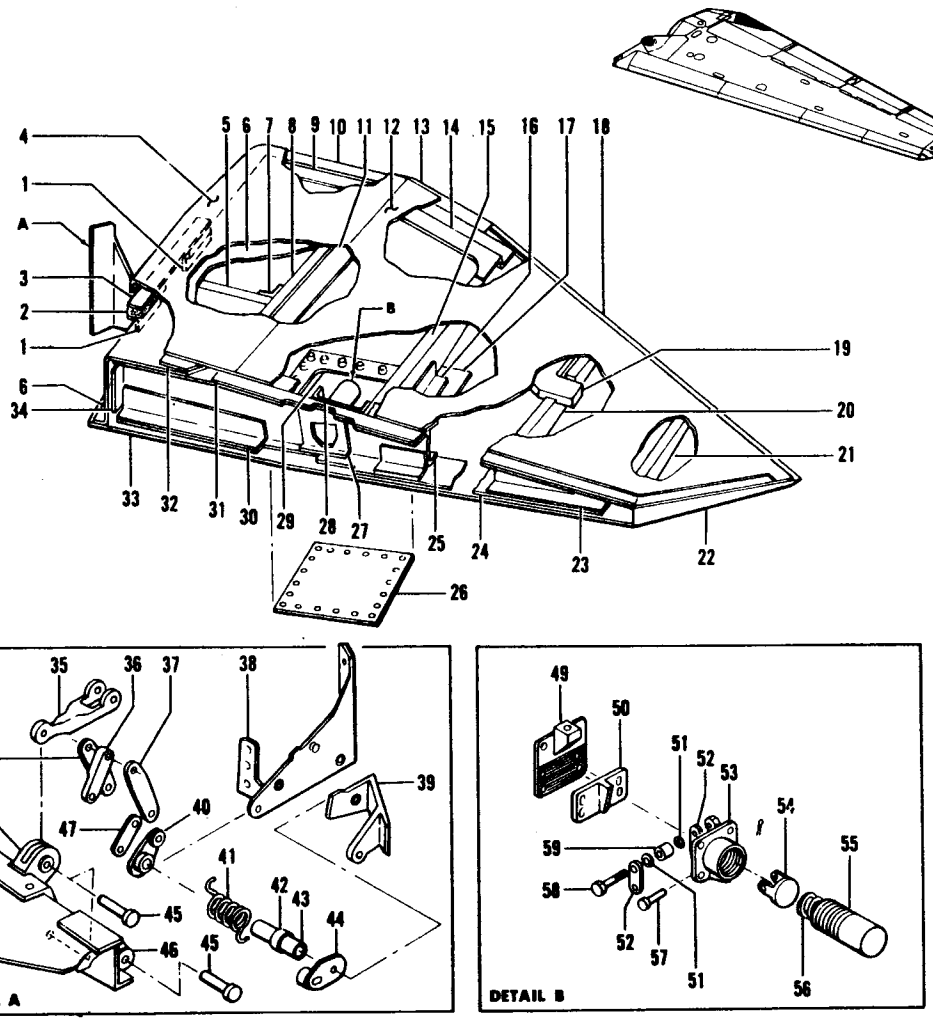


Figure 4-136 WING TRAILING EDGE FLAP AND VANE ASSEMBLY NO. 1



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			

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

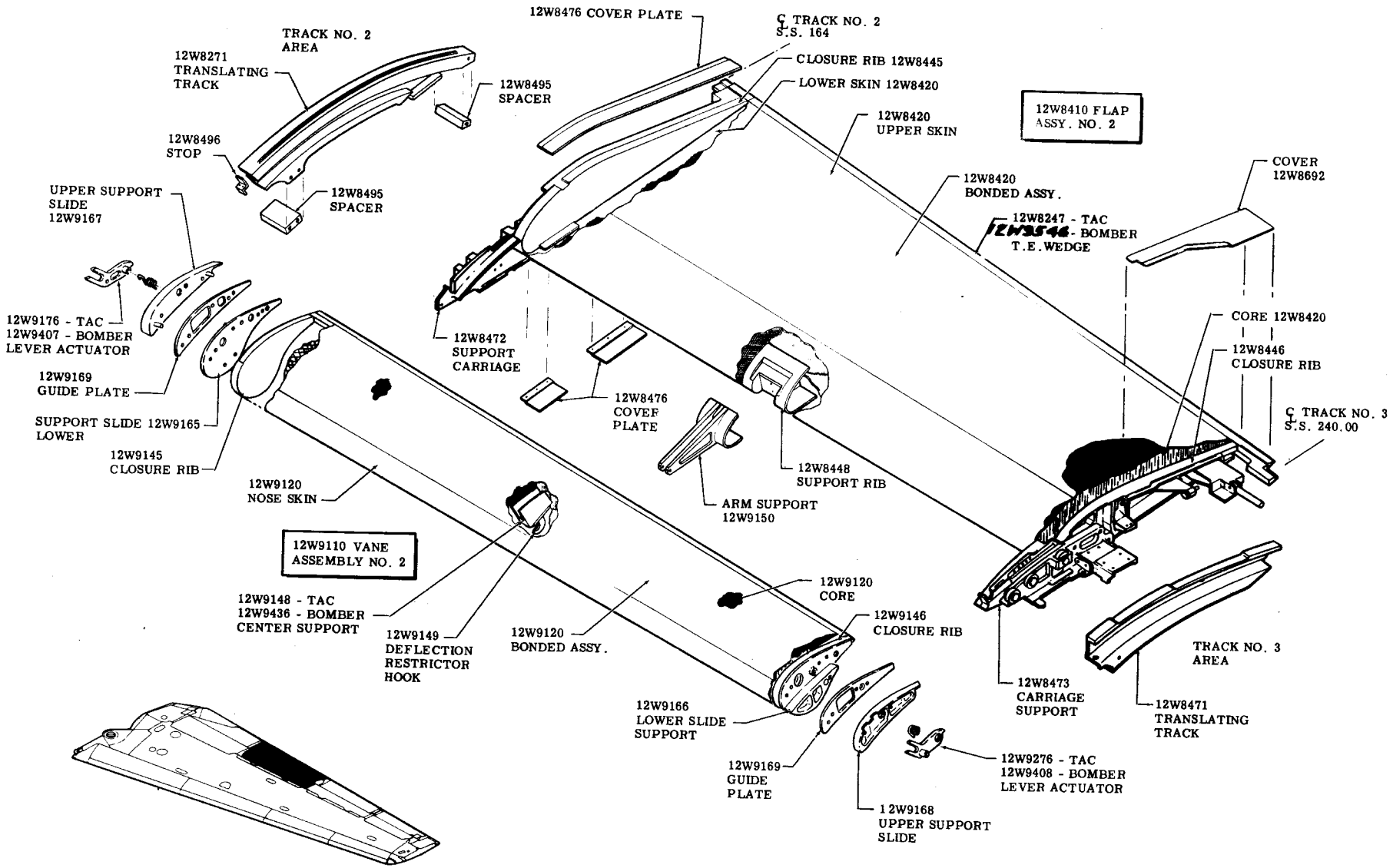


Figure 4-138 WING TRAILING EDGE FLAP AND VANE ASSEMBLY NO. 2

ST-713-74A

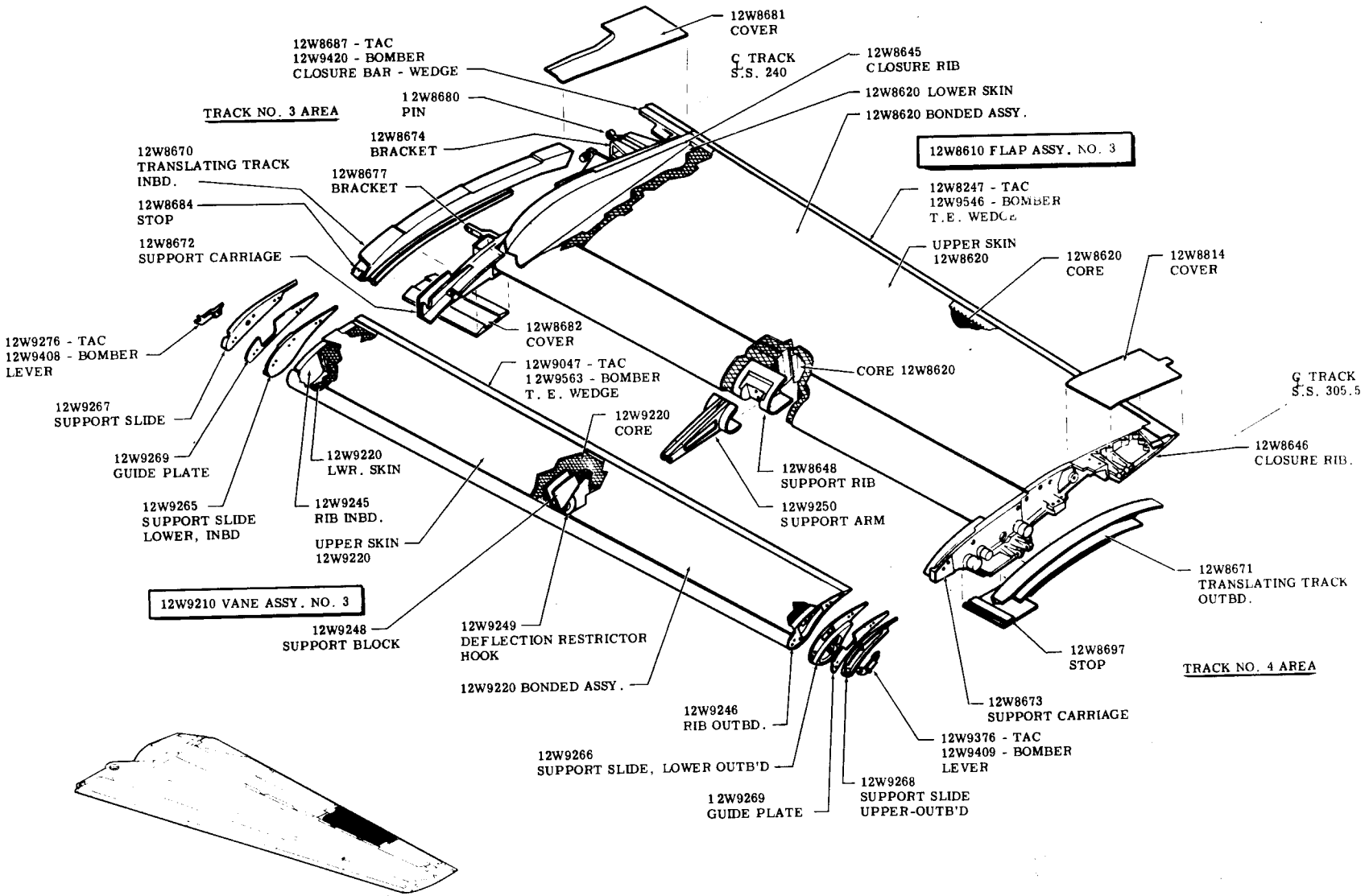


Figure 4-139 WING T.E. FLAP & VANE ASSEMBLY NO. 3

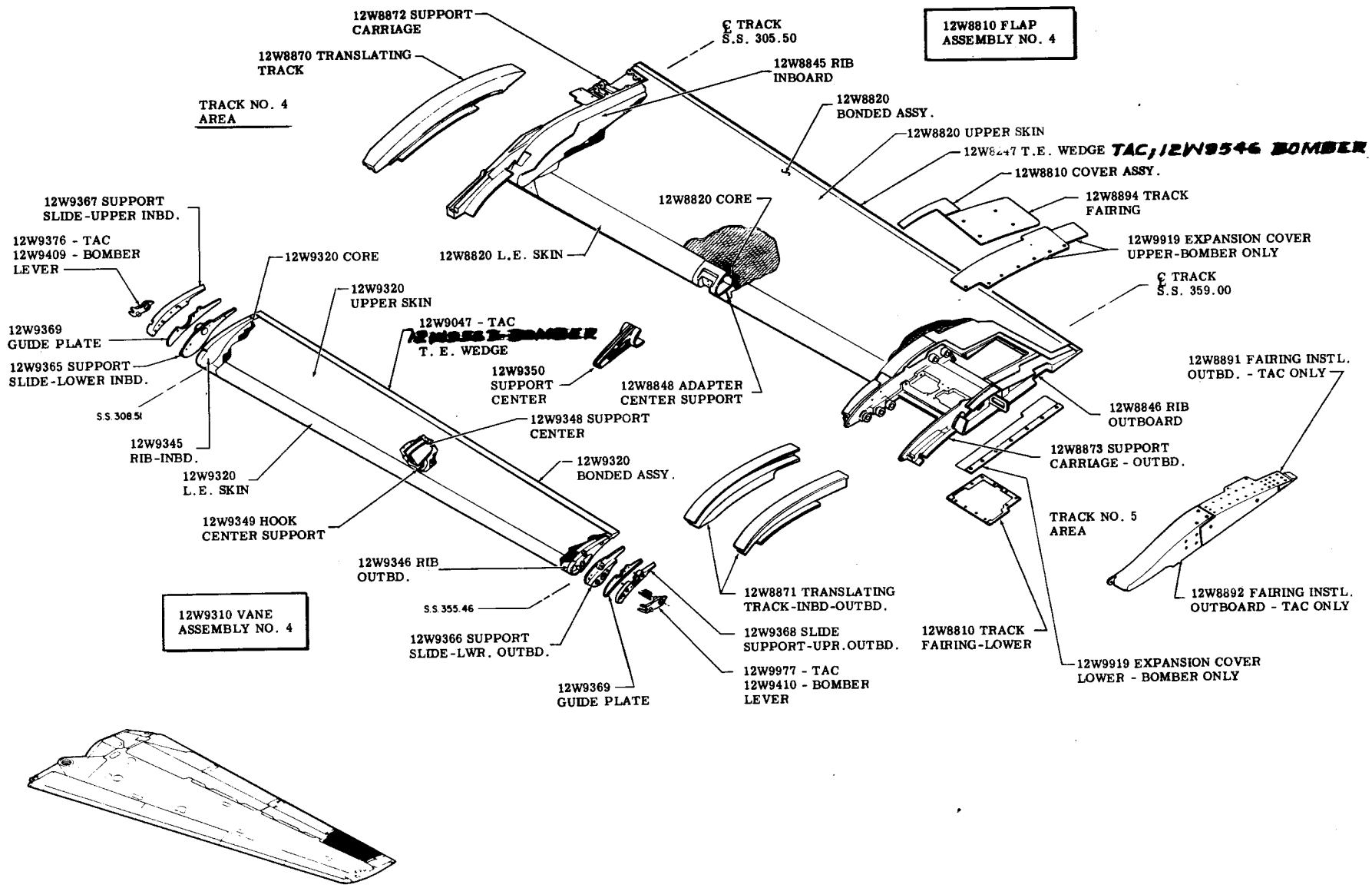


Figure 4-140 WING TRAILING EDGE FLAP AND VANE ASSEMBLY NO. 4

ST-713-76A

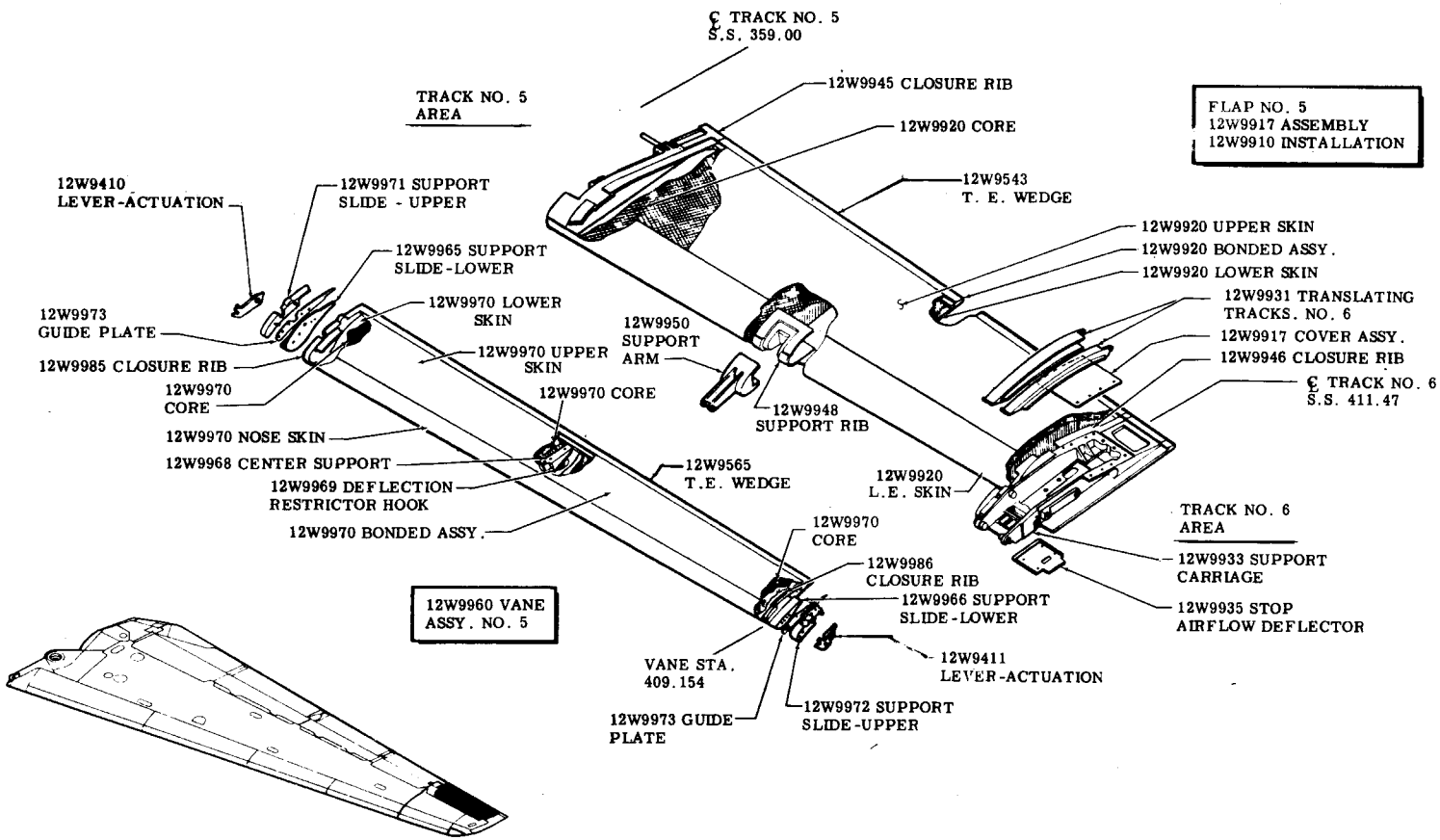
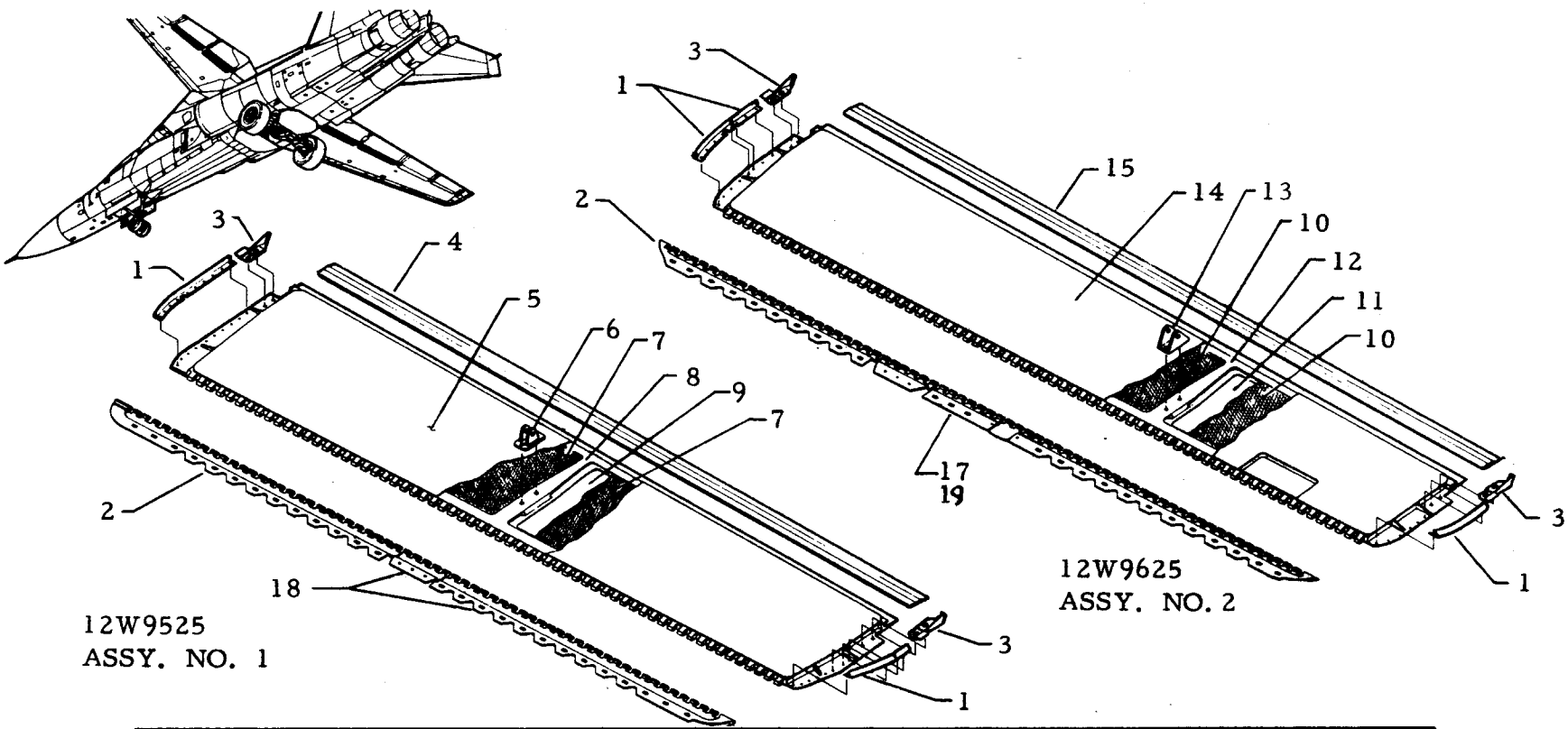


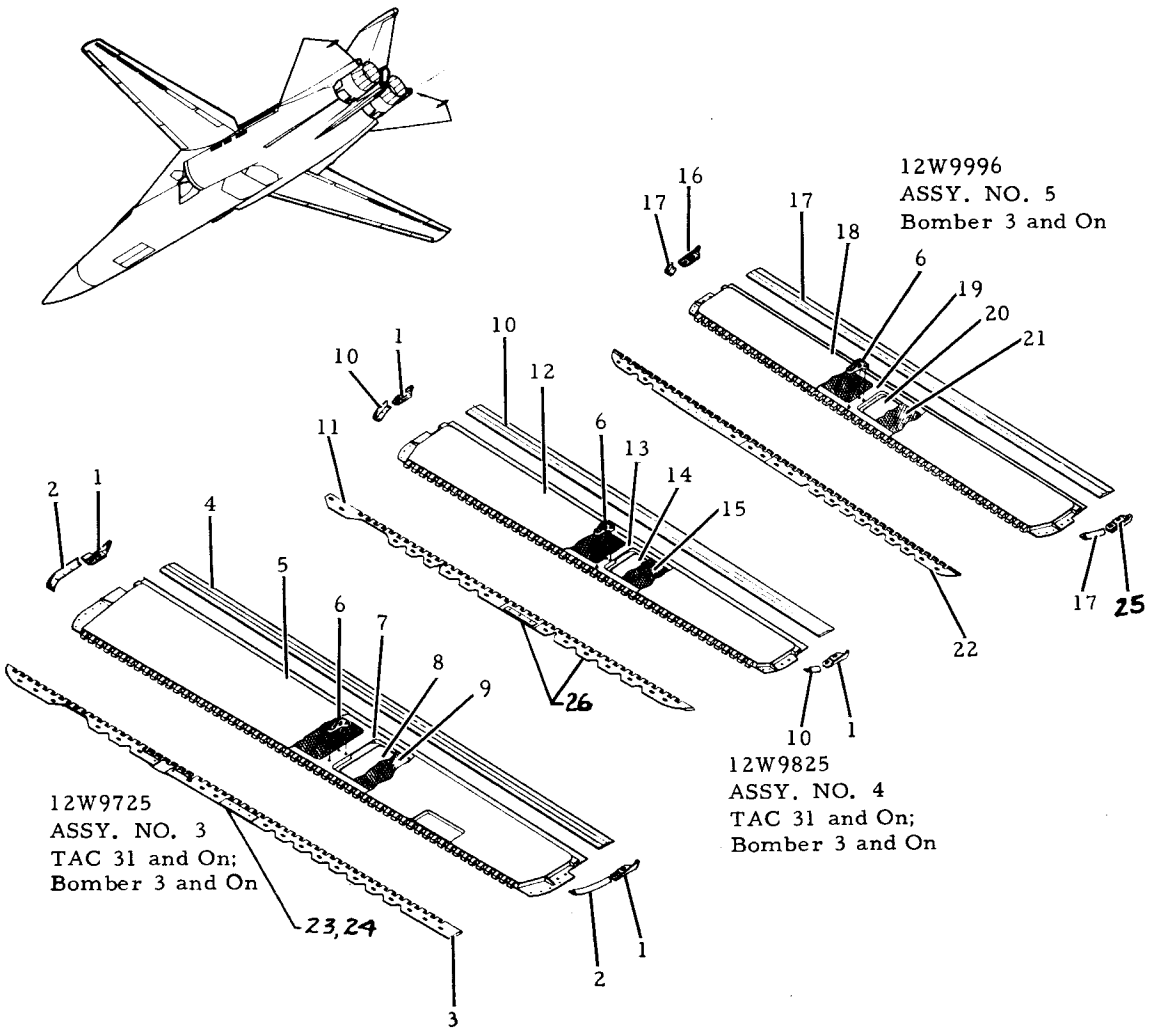
Figure 4-141 FB-111A WING T.E. FLAP AND VANE ASSEMBLY NO. 5 (Bomber 3 and On)

ST-713-77A



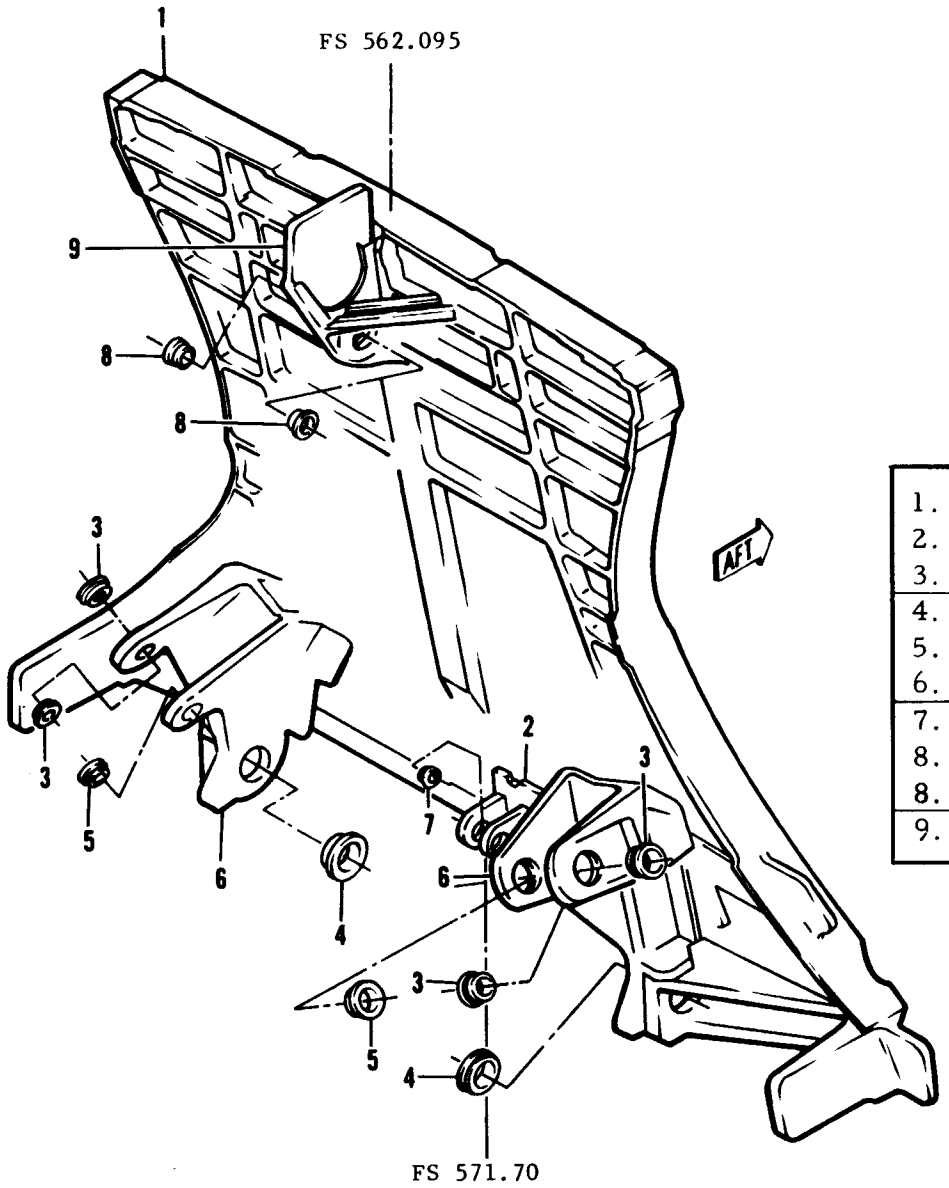
	12W9505	Deflector No. 1 Installation	8.	12W9550	Frame
	12W9525	Deflector No. 1 Assy.	9.	12W9525	Lwr. Skin
	12W9605	Deflector No. 2 Installation	10.	12W9625	Core
	12W9625	Deflector No. 2 Assy.	11.	12W9625	Lwr. Skin
1.	12W9576	Seal	12.	12W9650	Frame
2.	12W9582	Hinge	13.	12M2659	Fitting
3.	12W9575	Cam	14.	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)

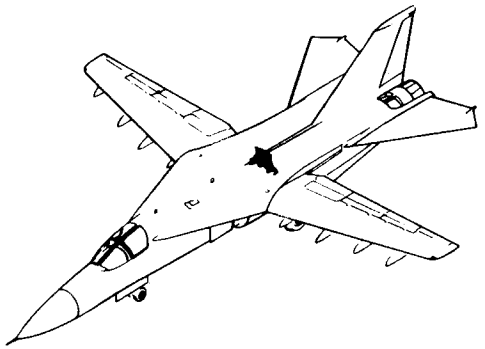
Figure 4-142 AIRFLOW DEFLECTOR ASSEMBLIES 1 AND 2



	12W9705	Deflector No. 3 Installation
	12W9725	Deflector No. 3 Assy.
	12W9805	Deflector No. 4 Installation
	12W9825	Deflector No. 4 Assy.
	12W9991	Deflector No. 5 Installation
	12W9996	Deflector No. 5 Assy.
1.	12W9575	Cam
2.	12W9705	Seal
3.	12W9582	Hinge
4.	12W9705	Seal
5.	12W9725	Upr. Skin
6.	12M2660	Fitting
7.	12W9750	Frame
8.	12W9725	Lwr. Skin
9.	12W9725	Core
10.	12W9805	Seal
11.	12W9582	Hinge
12.	12W9825	Upr. Skin
13.	12W9850	Frame
14.	12W9825	Lwr. Skin
15.	12W9825	Core
16.	12W9999	Cam
17.	12W9991	Seal
18.	12W9996	Upr. Skin
19.	12W9997	Frame
20.	12W9996	Lwr. Skin
21.	12W9996	Core
22.	12W9998	Hinge
23.	12W9581	HINGE (F-111A)
24.	12W9580	HINGE (F-111E & FB-111A)
25.	12W9989	CAM
26.	12W9851	HINGE

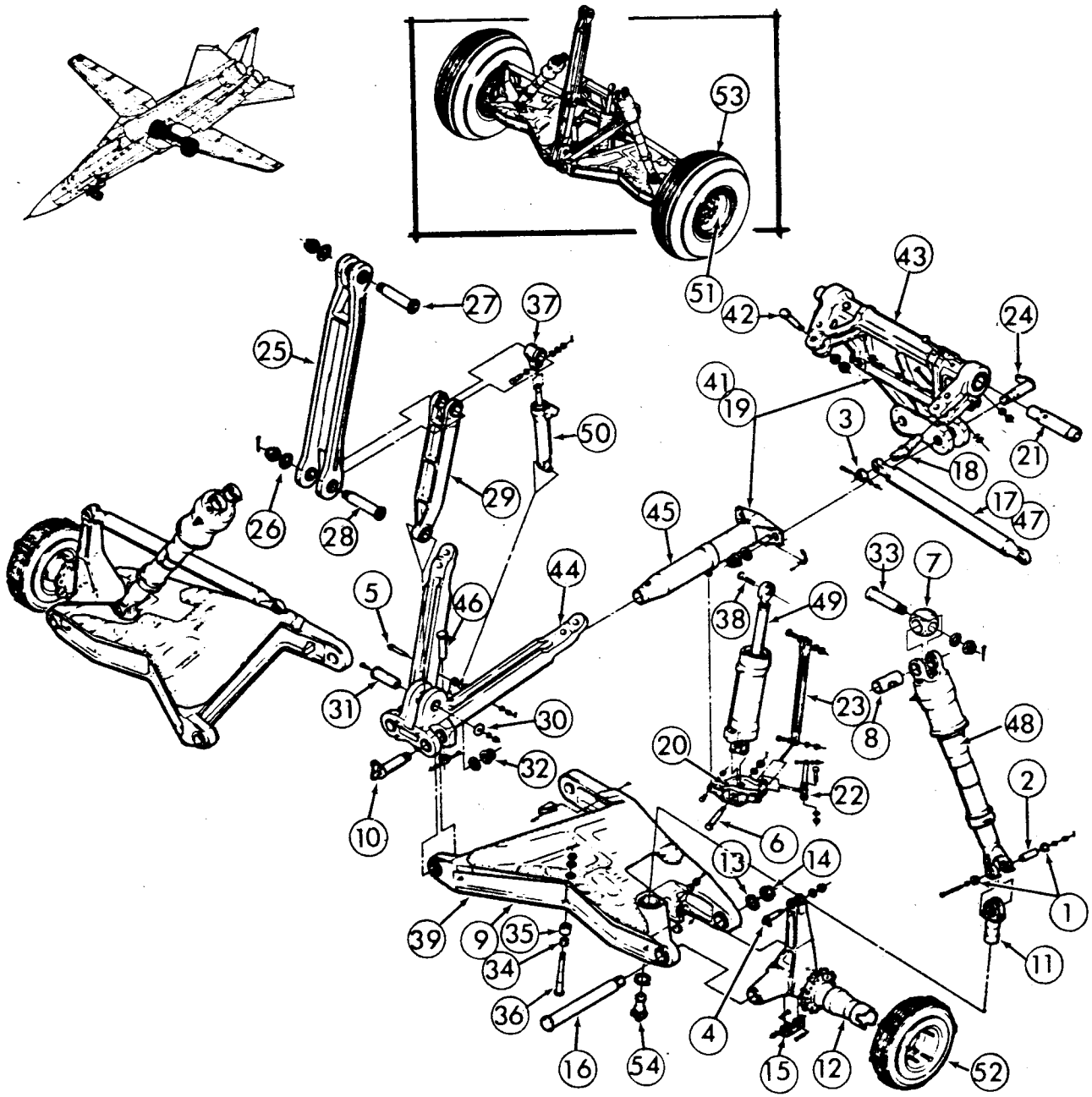
Figure 4-143 AIRFLOW DEFLECTOR ASSEMBLIES 3, 4, AND 5





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

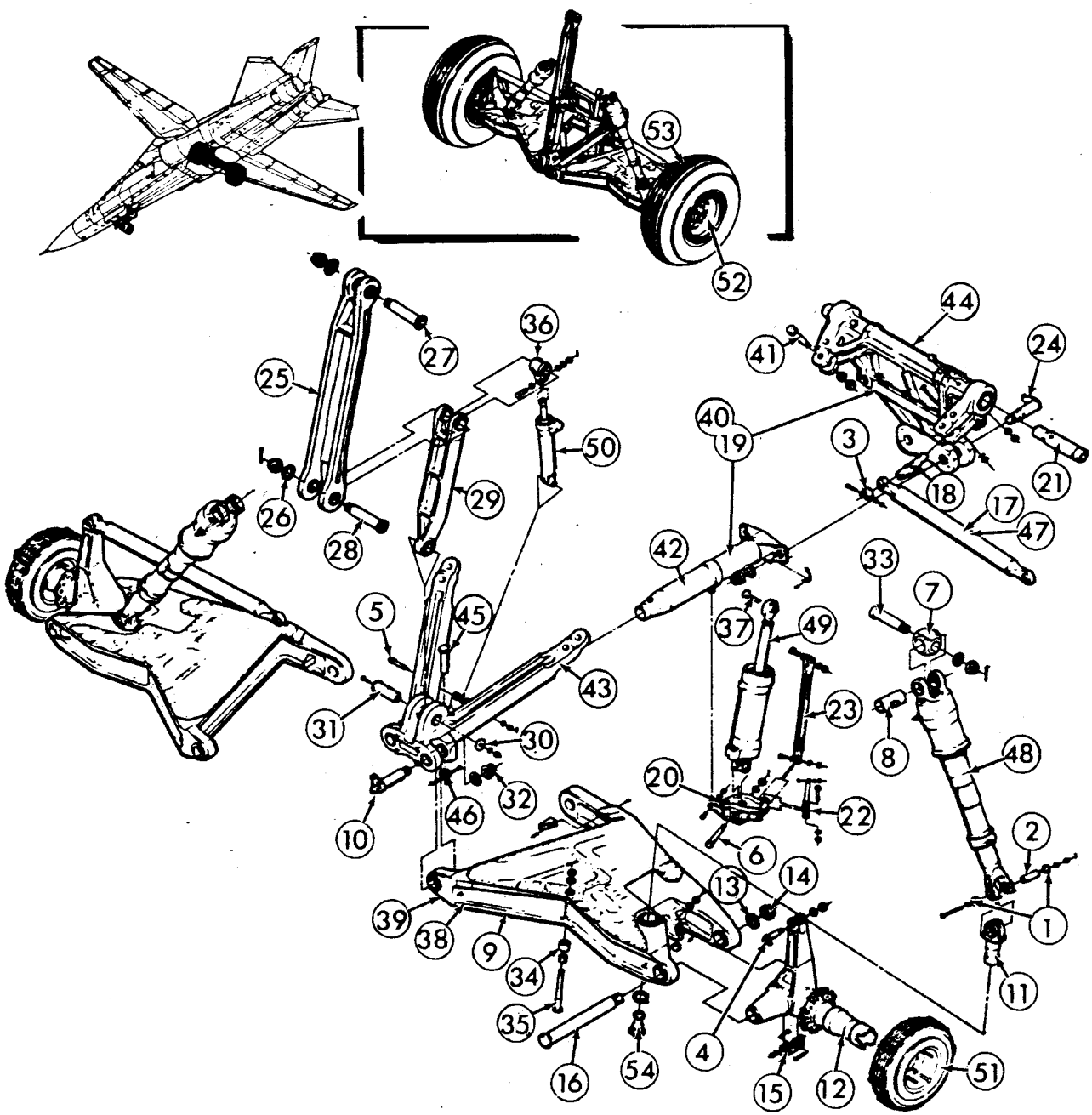
Figure4-144 MAIN LANDING GEAR SUPPORT POINTS



	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	
43.	12L9541	Frame Assy
44.	12L9546	Frame Assy of
45.	12L9550	Tube
46.	12L9559	Pin
47.	12L9530	(Breakdown)
	12L9033	Rod End
	12L9034	Rod End
48.	CL09512	Shock Strut (+Fluid)
49.	CH00201	Actuator, Retraction
50.	CH00204	Actuator, Downlock
51.	CL09503	Wheel (TAC)
52.	CL09503	Brake (TAC)
53.	CL09504	Tire - 47x18x18 TAC (+Air)
54.	CL09505	Shock Spring

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

F-111E



	12L40003	INSTALLATION
	12L10001	Assembly
1.	12L9017	Washer
2.	12L9018	Cross Bolt
3.	12L10032	Retainer
4.	12L10038	Pin
5.	12L9052	Pin Assy.
6.	12L9076	Pin
7.	12L9077	Block
8.	12L9079	Pin
9.	12L10011	Beam Assy of
10.	12L10015	Pin
11.	12L9519	Pin Assy of
12.	12L10021	Axle Assy
13.	12L9526	Washer
14.	12L9527	Retainer
15.	12L9528	Ring
16.	12L10029	Pin
17.	12L10030	Rod Assy
18.	12L10039	Pin
19.	12L10040	Trunnion Assy
20.	12L9544	Support Assy
21.	12L10045	Pin Assy
22.	12L9547	Beam
23.	12L9548	Link
24.	12L10049	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.	12L10078	Cross Pin
34.	12L10088	Roller Assy
35.	12L10089	Pin
36.	12L9591	Link Assy of
37.	12L9592	Pin
38.	12L10011	(Breakdown)
	12L10009	Plate
	12L10008	Channel
	12L10051	Pad
	12L10042	Tube, Assy of
	12L10012	Channel
	12L10010	Beam, Assy of
40.	12L10040	(Breakdown)
41.	12L10031	Pin
42.	12L10050	Tube
43.	12L10046	Support
44.	12L10041	Frame
45.	12L10059	Pin
46.	12L9554	Collar
47.	12L10030	(Breakdown)
	12L10035	Rod
	12L10034	Rod End
	12L10033	Rod End
48.	CL09512	Shock Struct (+Fluid)
49.	CH00201	Actuator, Retraction
50.	CH00204	Actuator, Downlock
51.	AERNO 41-1433	Brake Assy
52.	AERNO 41-1432	Wheel Assy
53.	AERNO 41-1431	Tire
54.	CL09505	Shock Spring

Figure4-146 FB-111 MAIN LANDING GEAR - STRUCTURE (Bomber 3 and On)

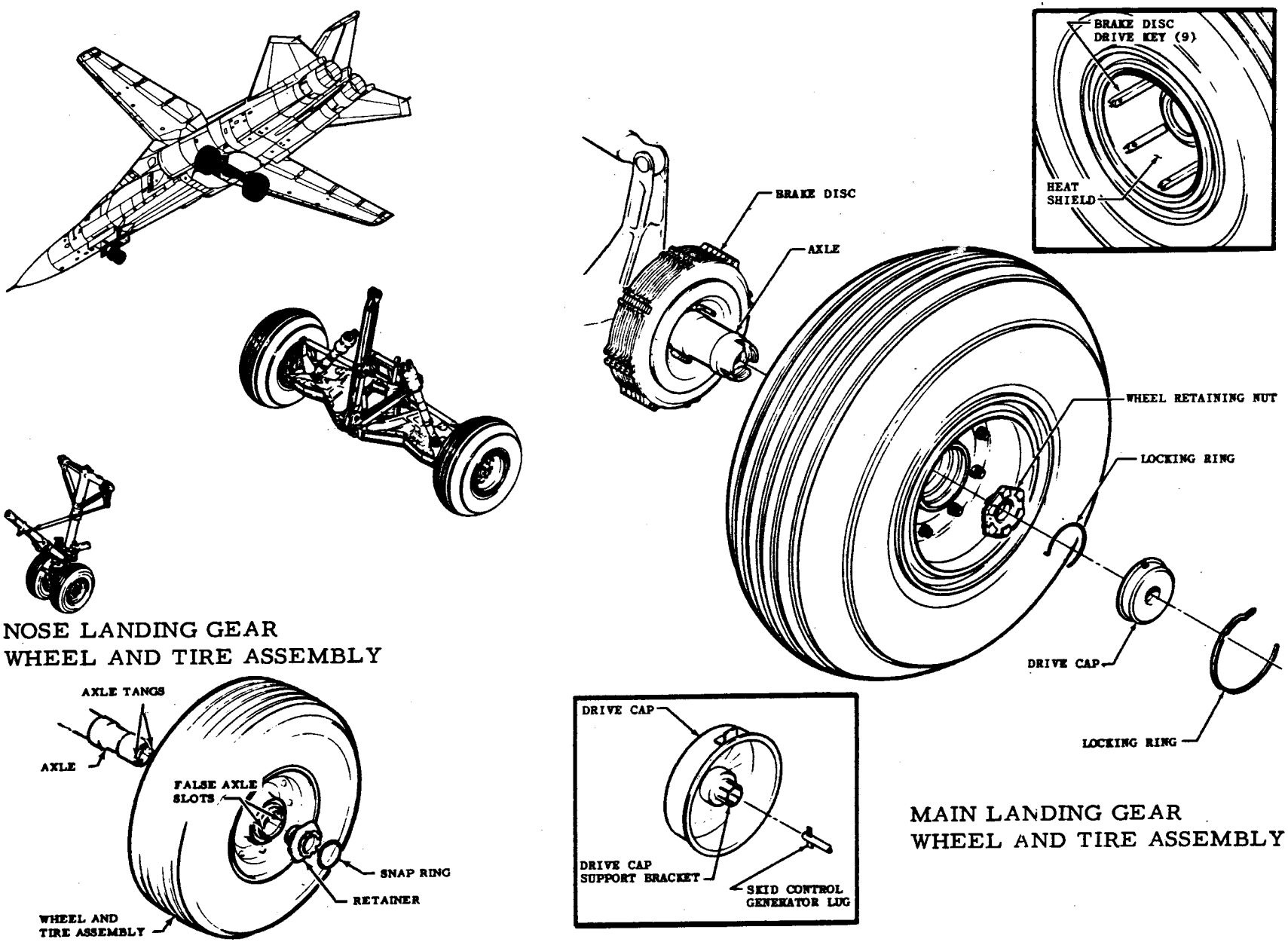


Figure 4-147 F-111A LANDING GEAR WHEEL AND TIRE ASSEMBLIES
F-111E

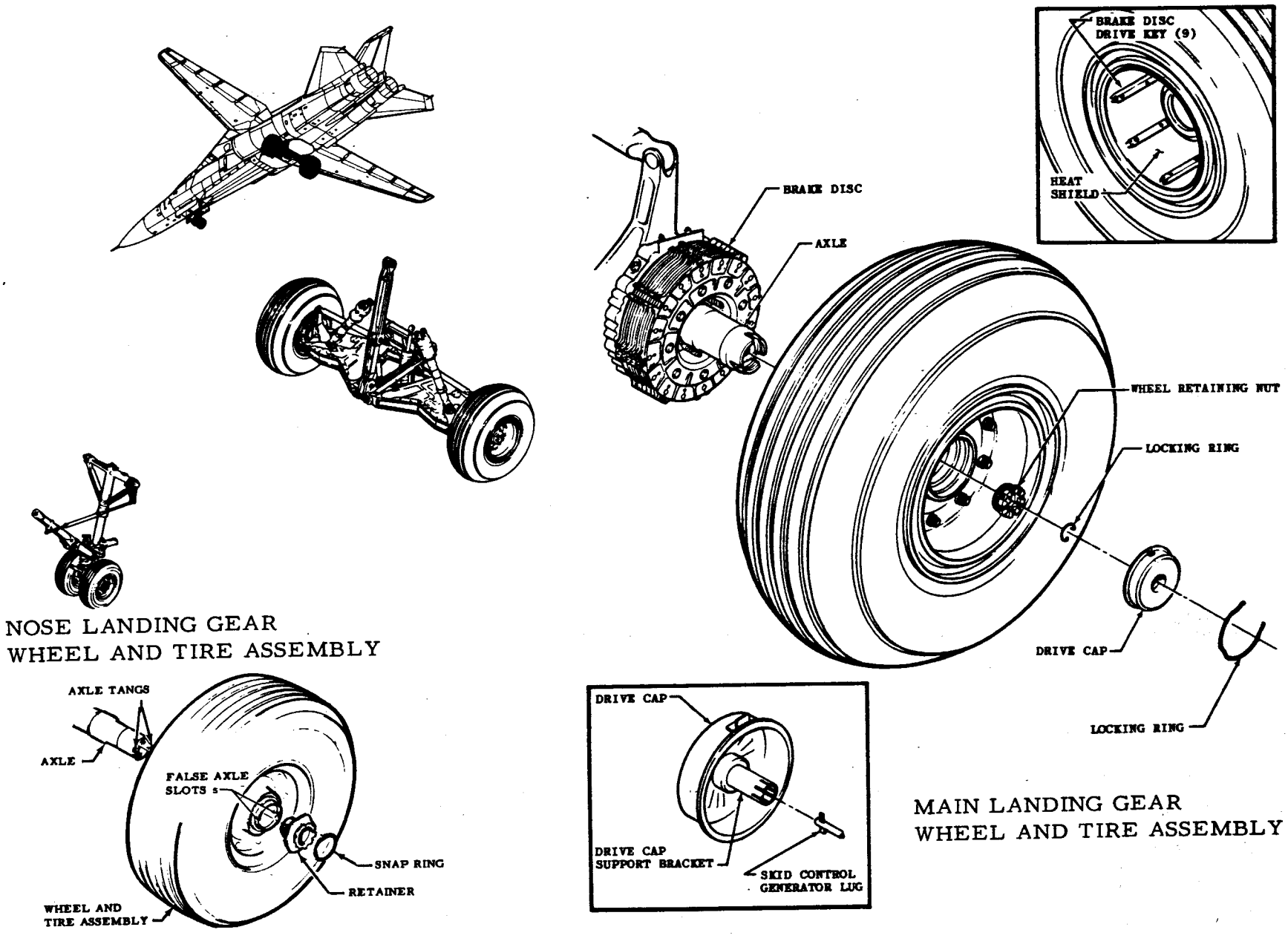
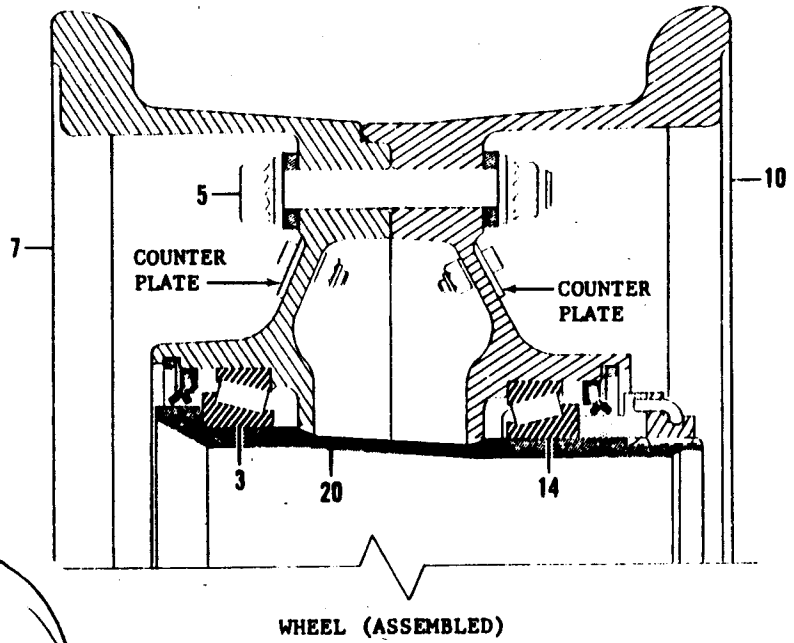
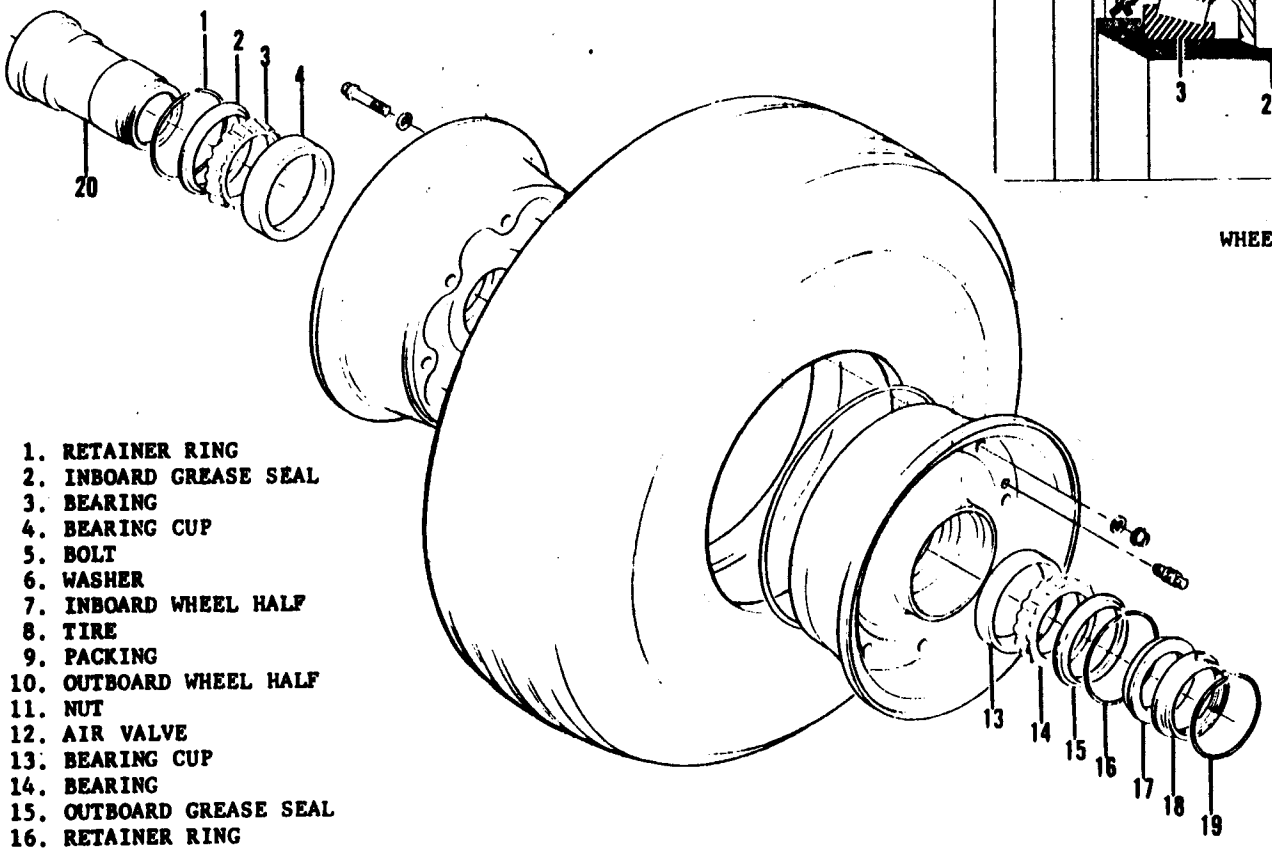


Figure 4-148 FB-111 LANDING GEAR WHEEL AND TIRE ASSEMBLIES





1. RETAINER RING
2. INBOARD GREASE SEAL
3. BEARING
4. BEARING CUP
5. BOLT
6. WASHER
7. INBOARD WHEEL HALF
8. TIRE
9. PACKING
10. OUTBOARD WHEEL HALF
11. NUT
12. AIR VALVE
13. BEARING CUP
14. BEARING
15. OUTBOARD GREASE SEAL
16. RETAINER RING
17. SHAFT COLLAR ASSY
18. BEARING RETAINER NUT
19. RETAINER RING
20. FALSE AXLE

Figure 4-149 WHEEL ASSEMBLY

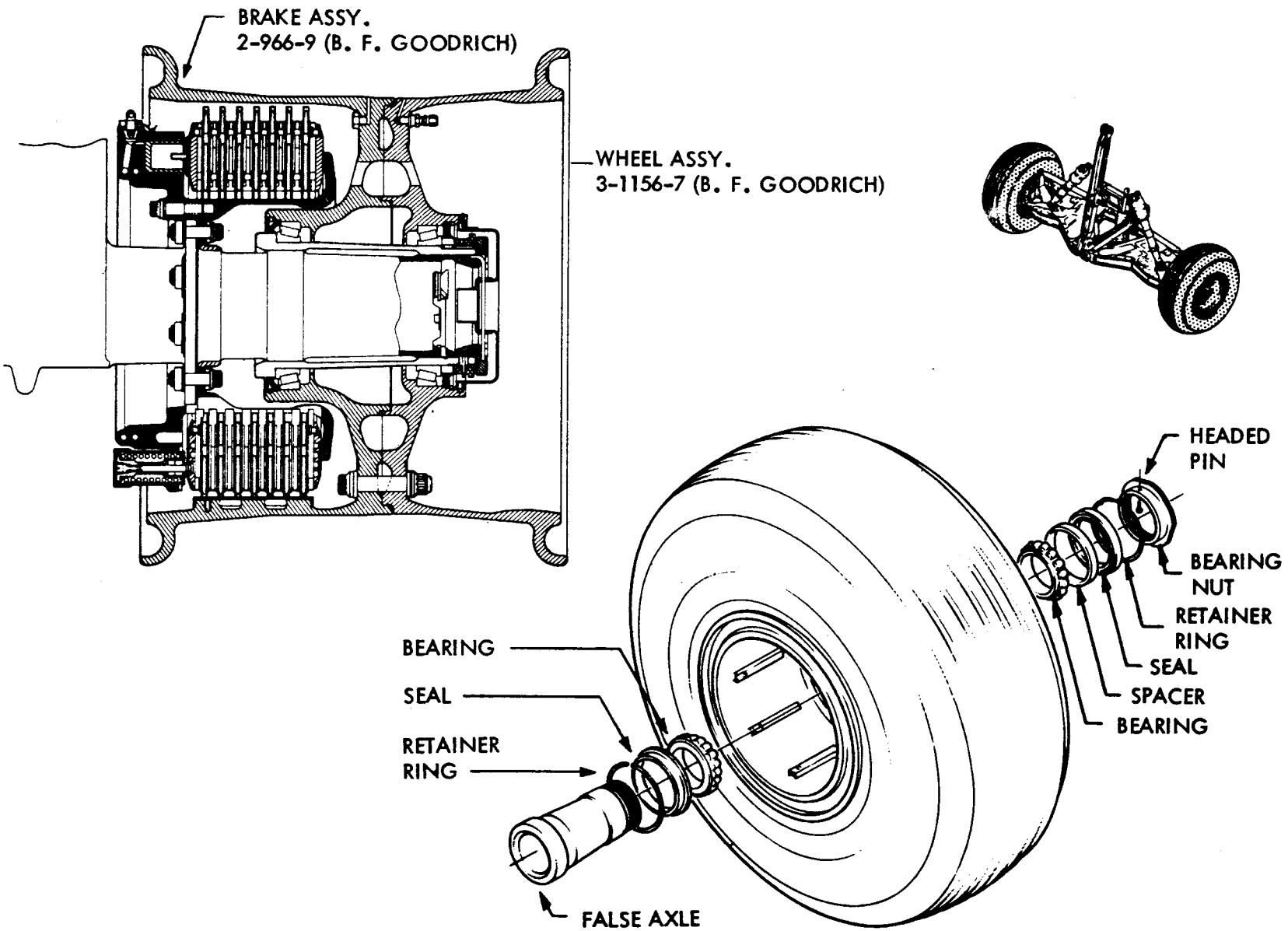
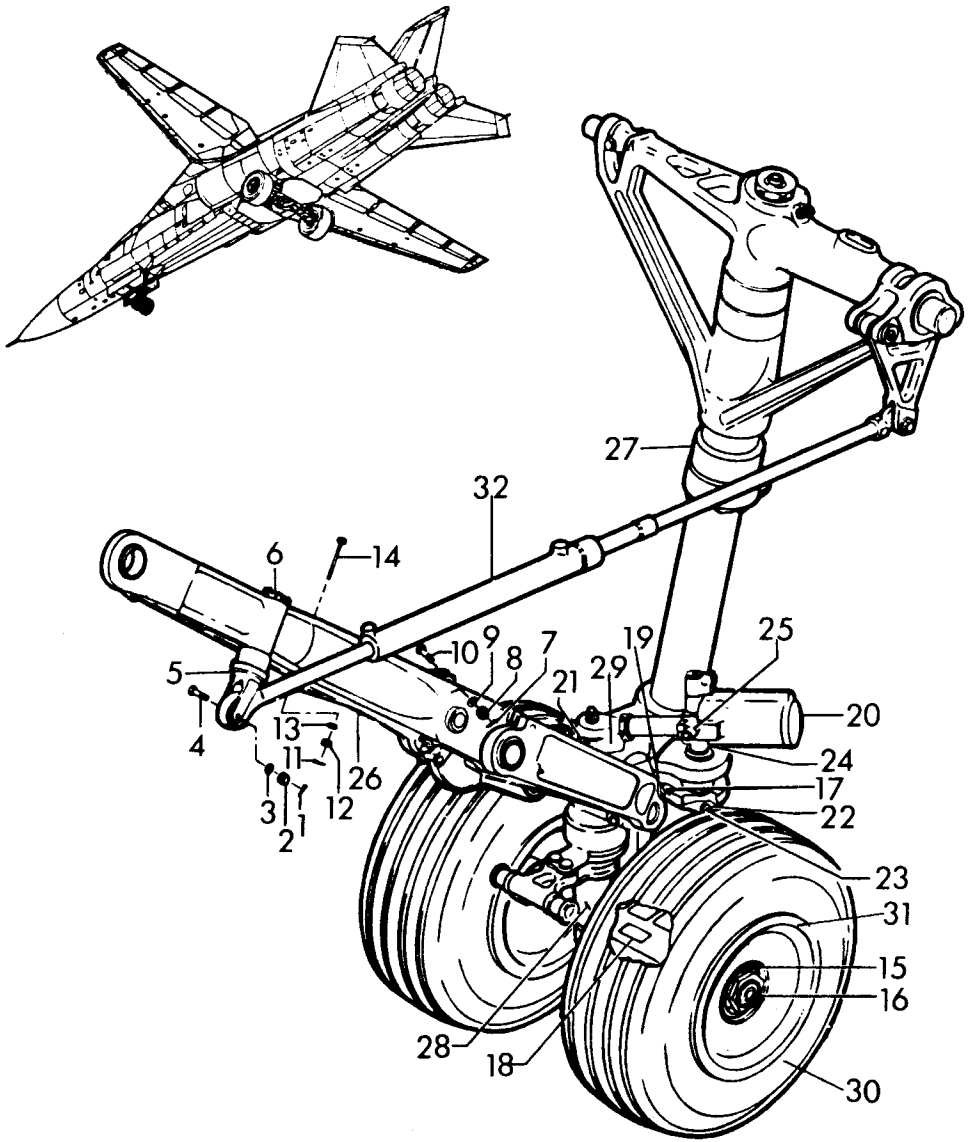
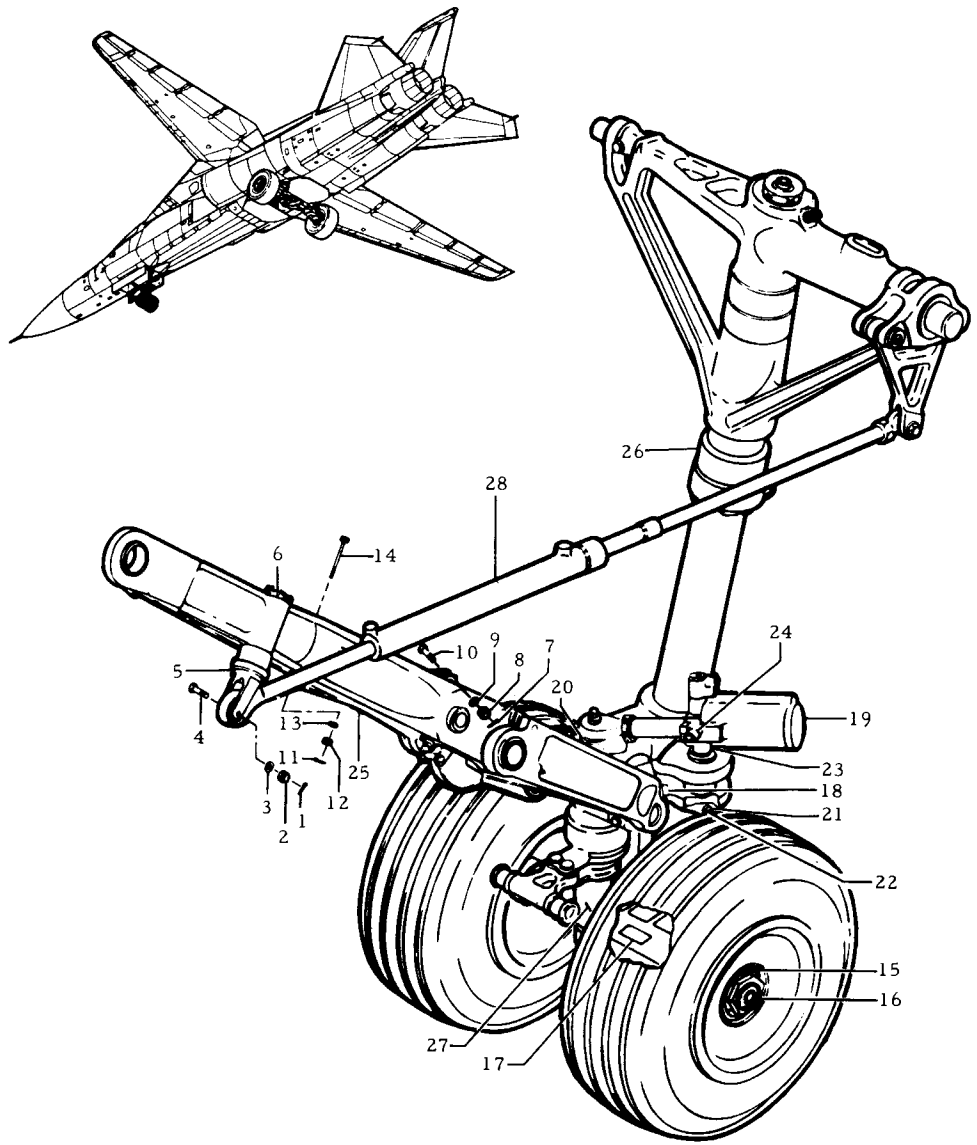


Figure 4-150 WHEEL AND BRAKE ASSEMBLY



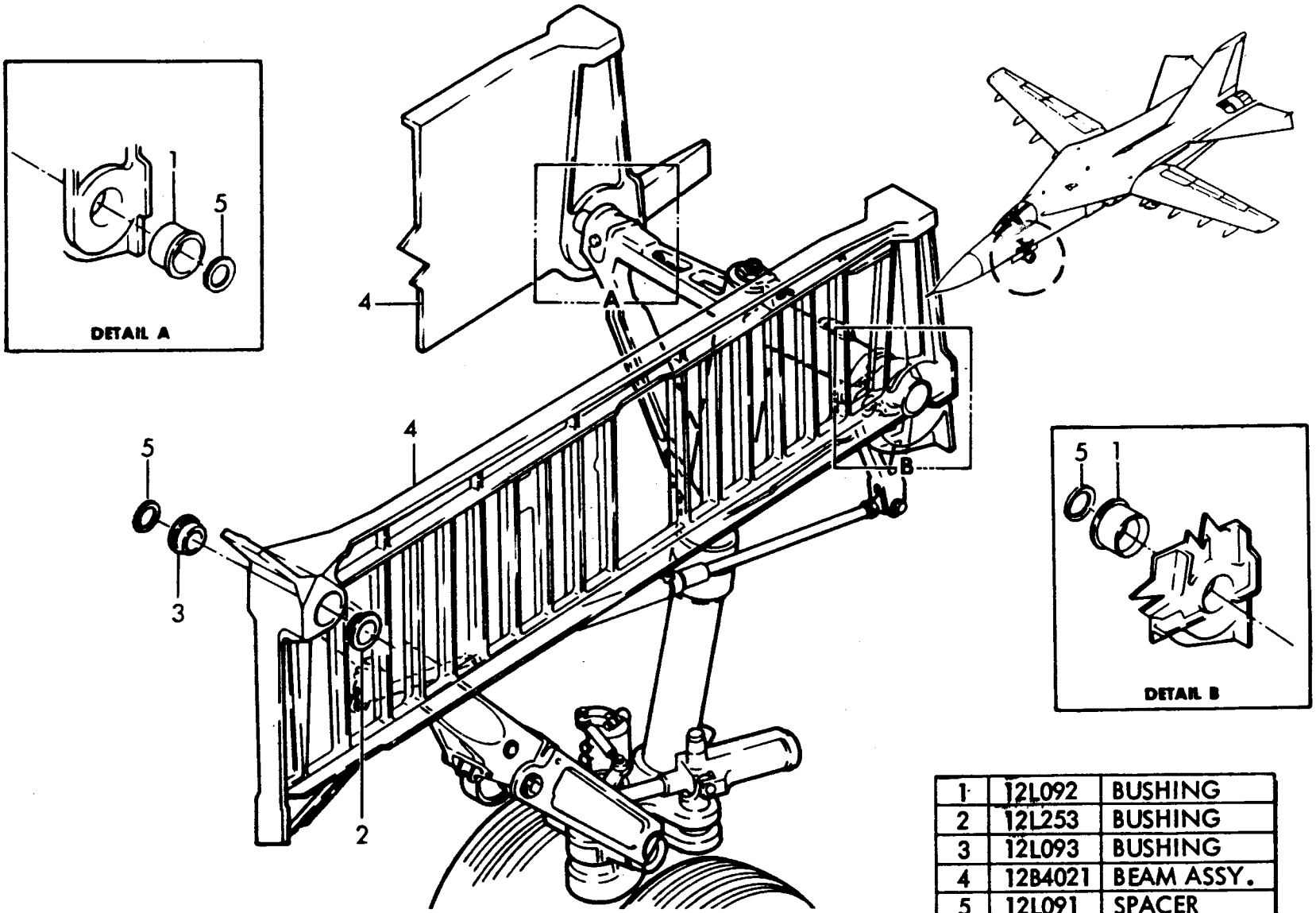
	12L9002	Assembly, Nose Landing Gear
1.	MS24665	Pin
2.	AN310	Nut
3.	AN960PD716L	Washer
4.	NAS677V14D	Bolt
5.	12L9107	Pin, Retraction Cylinder
6.	MS24665	Pin
	AN320	Washer
	AN960DD816	Pin
	AN960PD816L	Washer
7.	MS24665	Pin
8.	AN310	Nut
9.	AN960D516	Washer
10.	NAS675V21D	Bolt
11.	MS24665	Pin
12.	AN310	Nut
13.	AN960D616L	Washer
14.	NAS676V520	Bolt
15.	12L9163	Ring, Snap, False Axle
16.	12L9129	Retainer, False Axle
17.	12N453	Plate, Indent, 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



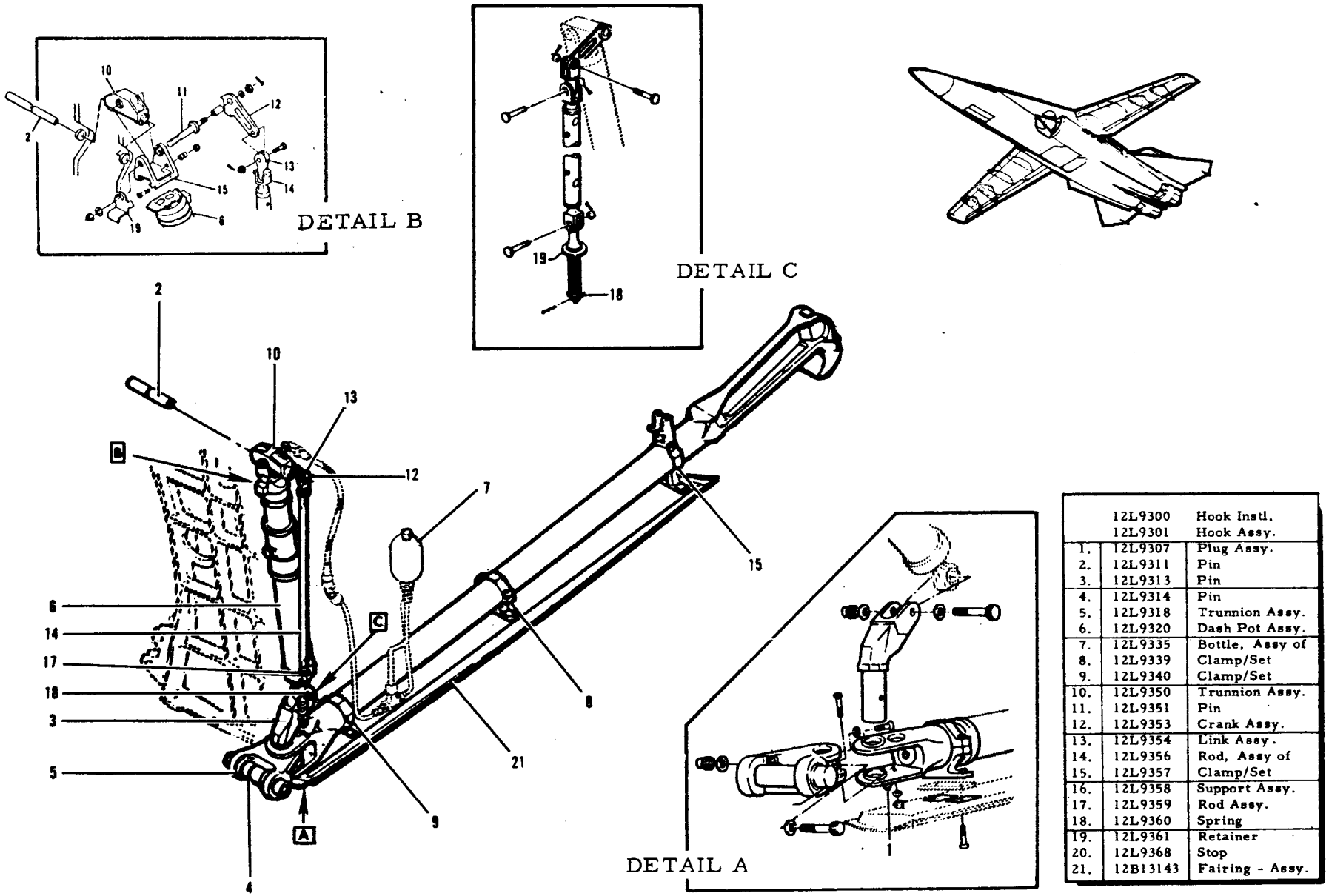
	12L10002	Assy.
1.	MS24665	Pin
2.	AN310	Nut
3.	AN960PD716L	Washer
4.	NAS677V14D	Bolt
5.	12L9107	Pin, Retraction Cylinder
6.	MS24665	Pin
7.	MS24665	Pin
8.	AN310	Nut
9.	AN960D516	Washer
10.	NAS675V21D	Bolt
11.	MS24665	Pin
12.	AN310	Nut
13.	AN960D616L	Washer
14.	NAS676V52D	Bolt
15.	12L9163	Ring, Snap, False Axle
16.	12L9129	Retainer, False Axle
17.	12N9111	Plate, Identification, Uplock Roller
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)



1	12L092	BUSHING
2	12L253	BUSHING
3	12L093	BUSHING
4	12B4021	BEAM ASSY.
5	12L091	SPACER

Figure 4-153 NOSE LANDING GEAR SUPPORT POINTS

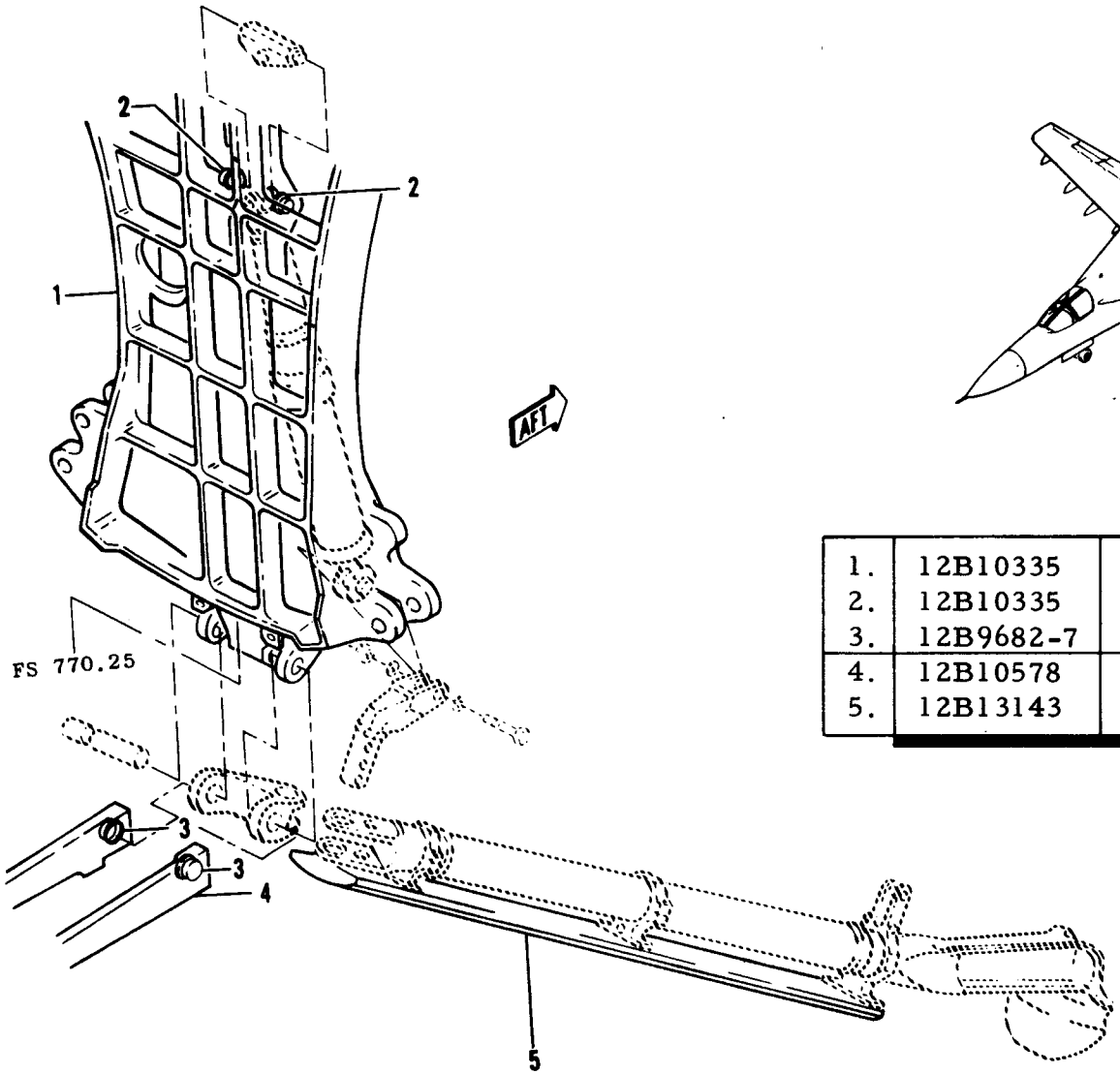


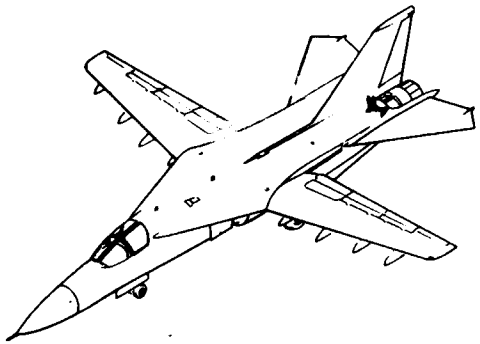
	12L9300	Hook Instl.
	12L9301	Hook Assy.
1.	12L9307	Plug Assy.
2.	12L9311	Pin
3.	12L9313	Pin
4.	12L9314	Pin
5.	12L9318	Trunnion Assy.
6.	12L9320	Dash Pot Assy.
7.	12L9335	Bottle, Assy of
8.	12L9339	Clamp/Set
9.	12L9340	Clamp/Set
10.	12L9350	Trunnion Assy.
11.	12L9351	Pin
12.	12L9353	Crank Assy.
13.	12L9354	Link Assy.
14.	12L9356	Rod, Assy of
15.	12L9357	Clamp/Set
16.	12L9358	Support Assy.
17.	12L9359	Rod Assy.
18.	12L9360	Spring
19.	12L9361	Retainer
20.	12L9368	Stop
21.	12B13143	Fairing - Assy.

Figure 4-154 F-111A ARRESTING HOOK ASSEMBLY

F-111E

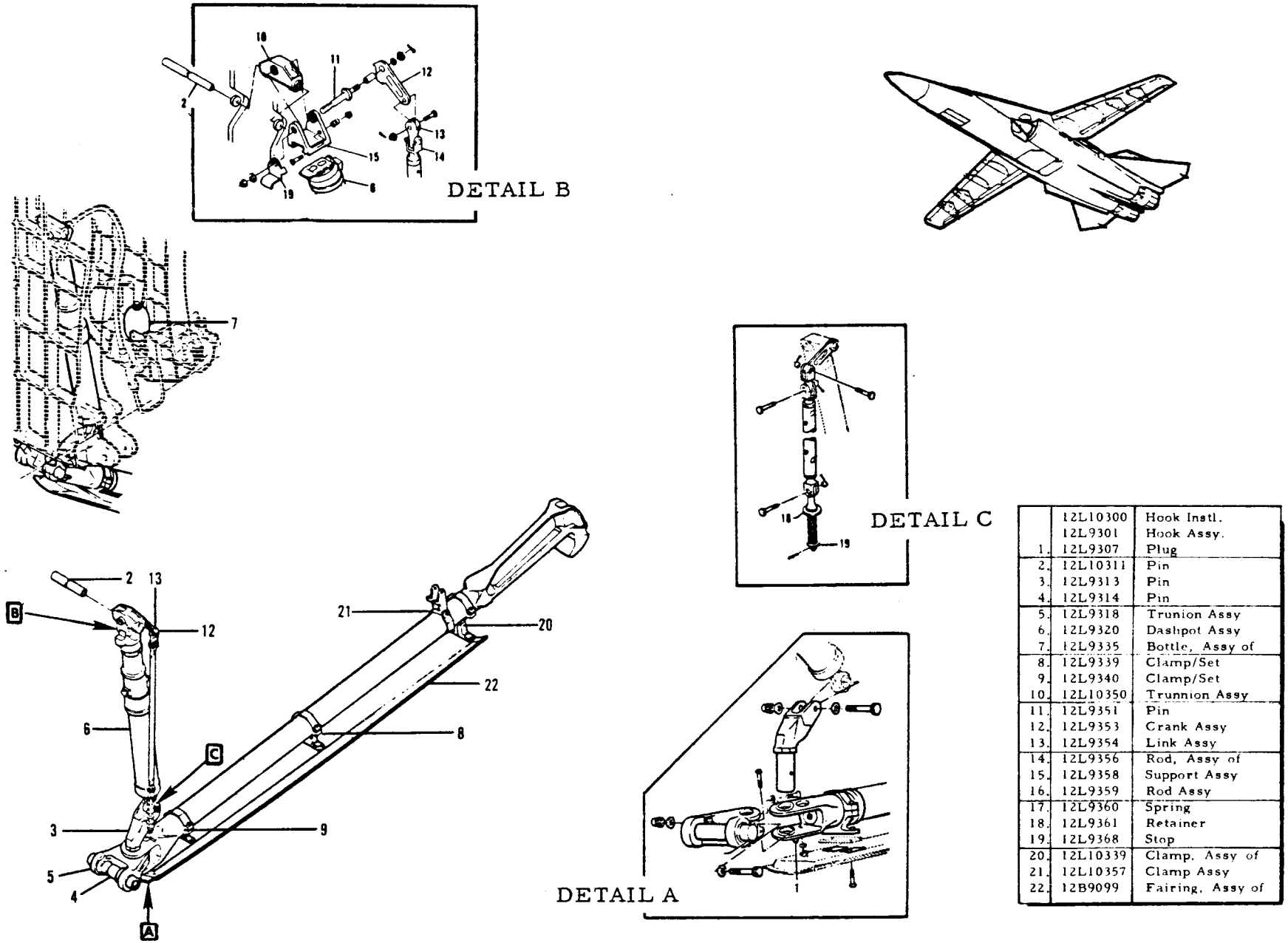
ST-697-62





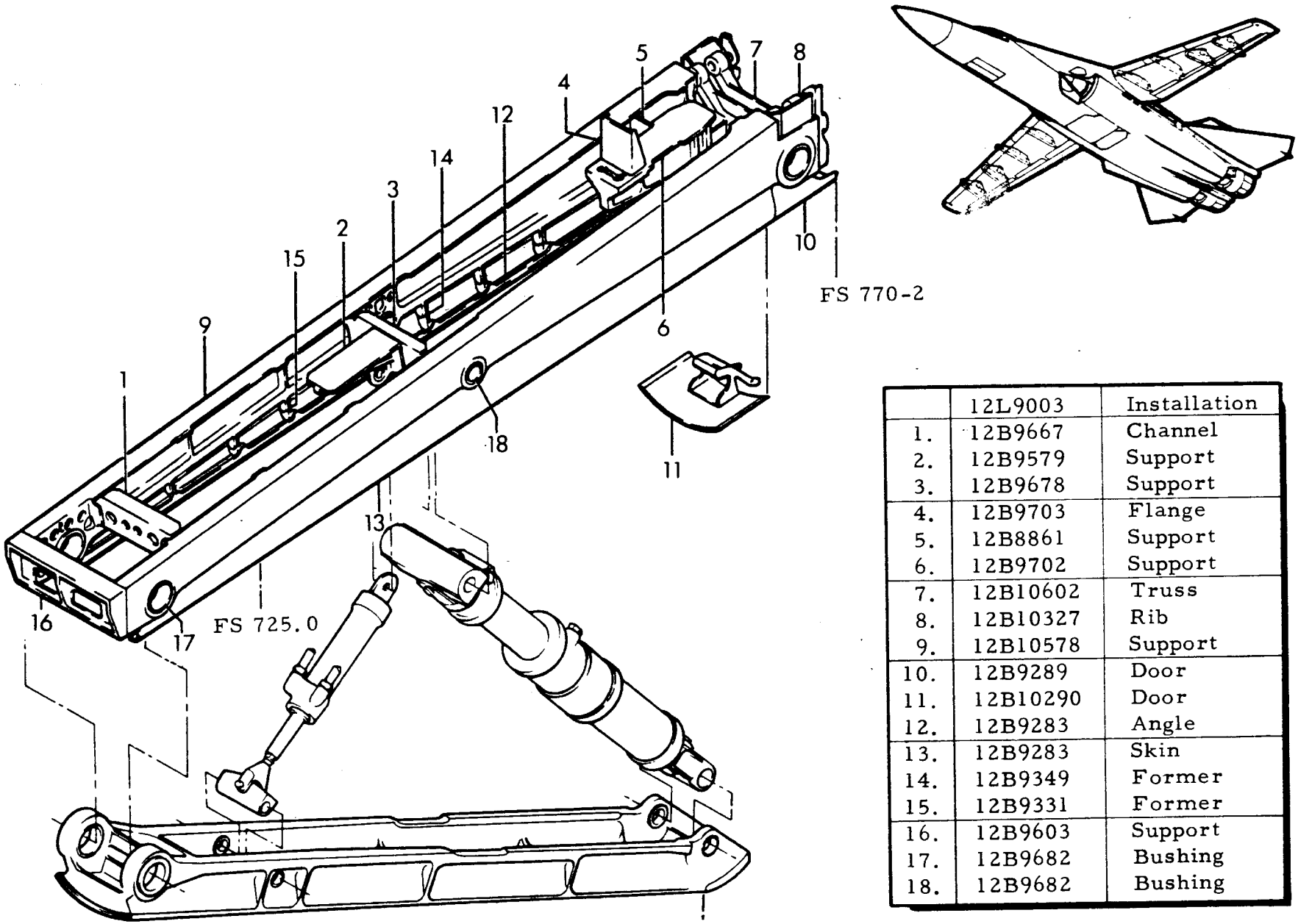
1.	12B10335	BULKHEAD
2.	12B10335	BUSHING
3.	12B9682-7	BUSHING
4.	12B10578	SUPPORT ASSEMBLY
5.	12B13143	FAIRING ASSEMBLY

Figure 4-155 TAIL HOOK INSTALLATION



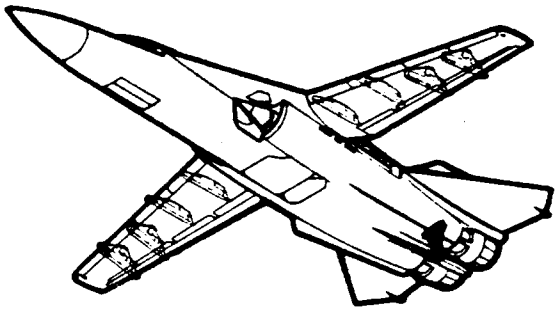
	12L10300	Hook Instl.
	12L9301	Hook Assy.
1.	12L9307	Plug
2.	12L10311	Pin
3.	12L9313	Pin
4.	12L9314	Pin
5.	12L9318	Trunion Assy
6.	12L9320	Dashpot Assy
7.	12L9335	Bottle, Assy of
8.	12L9339	Clamp/Set
9.	12L9340	Clamp/Set
10.	12L10350	Trunnion Assy
11.	12L9351	Pin
12.	12L9353	Crank Assy
13.	12L9354	Link Assy
14.	12L9356	Rod, Assy of
15.	12L9358	Support Assy
16.	12L9359	Rod Assy
17.	12L9360	Spring
18.	12L9361	Retainer
19.	12L9368	Stop
20.	12L10339	Clamp, Assy of
21.	12L10357	Clamp Assy
22.	12B9099	Fairing, Assy of

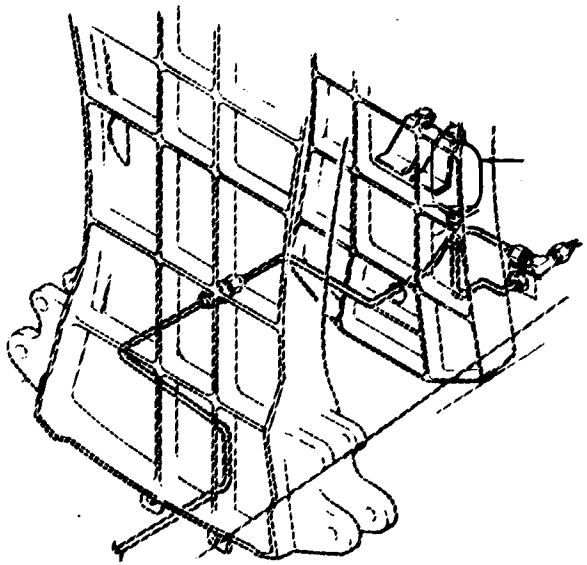
Figure 4-156 FB-111 ARRESTING HOOK ASSEMBLY (Bomber 3 and On)

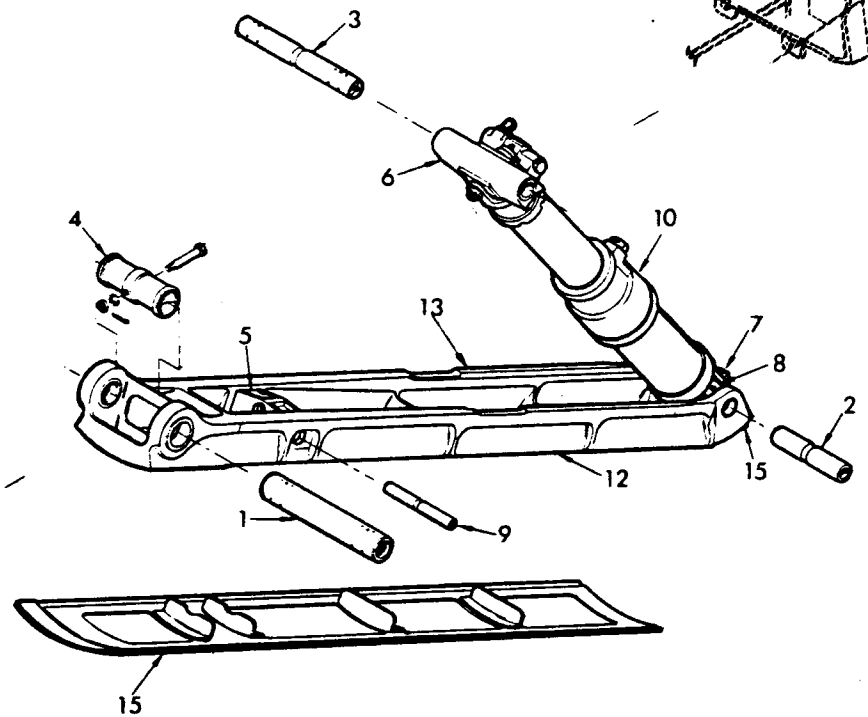


	12L9003	Installation
1.	12B9667	Channel
2.	12B9579	Support
3.	12B9678	Support
4.	12B9703	Flange
5.	12B8861	Support
6.	12B9702	Support
7.	12B10602	Truss
8.	12B10327	Rib
9.	12B10578	Support
10.	12B9289	Door
11.	12B10290	Door
12.	12B9283	Angle
13.	12B9283	Skin
14.	12B9349	Former
15.	12B9331	Former
16.	12B9603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

Figure 4-157 TAIL BUMPER INSTALLATION

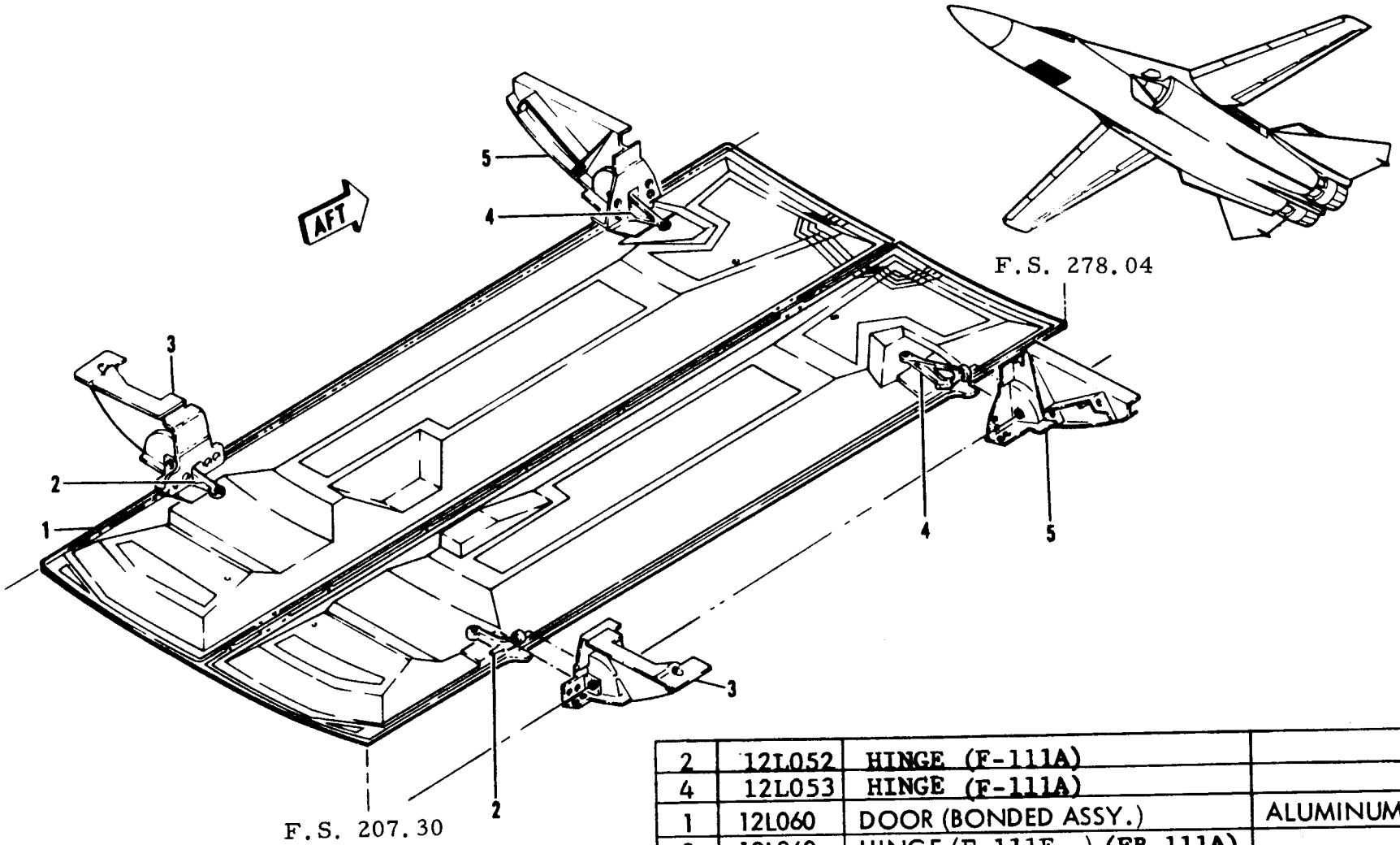






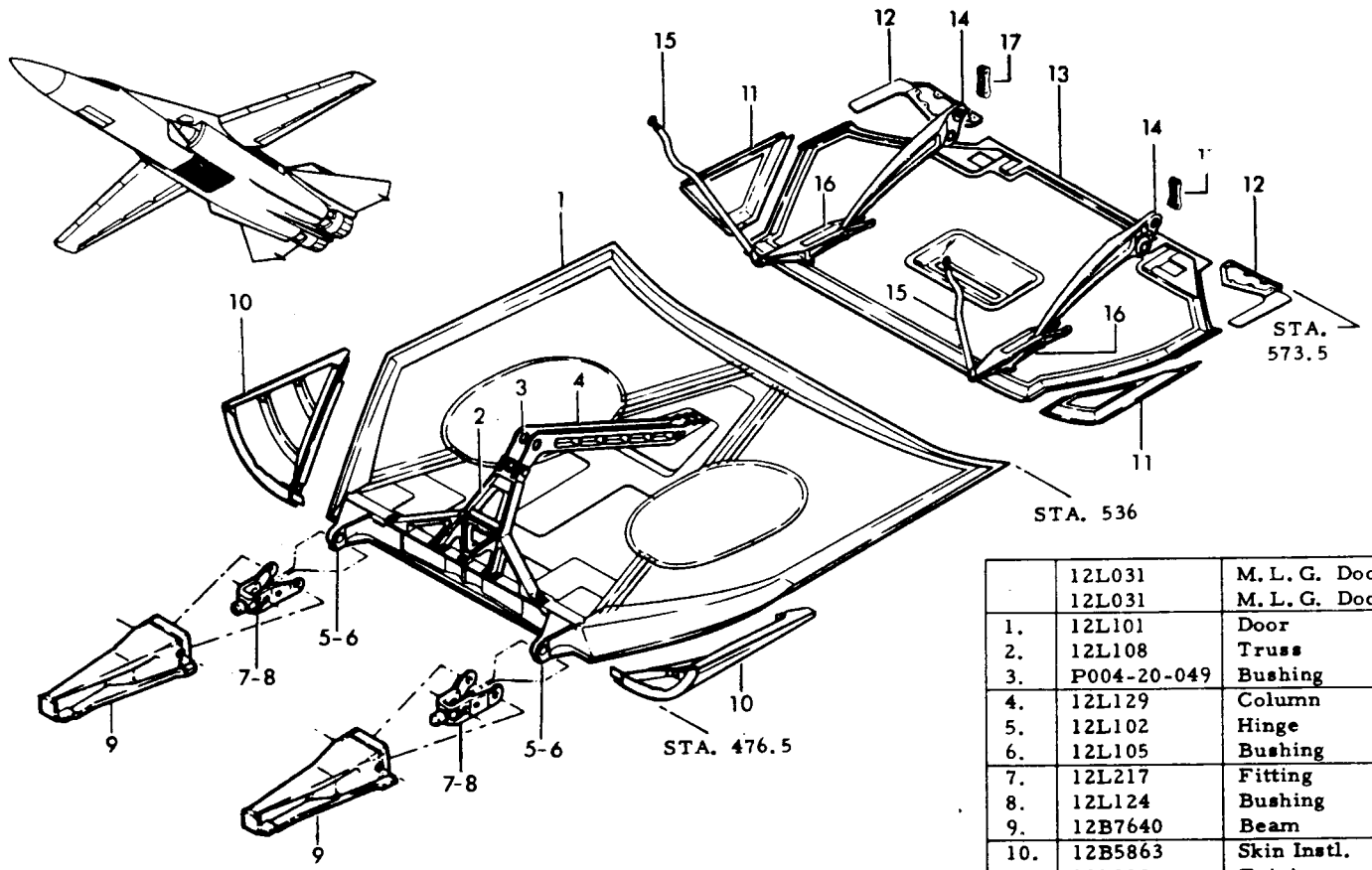
	12L9003	Tail Bumper Installation
1.	12L9203	Pin Assy
2.	12L9204	Pin
3.	12L9205	Pin Assy
4.	12L9206	Sleeve
5.	12L9207	Trunnion Assy
6.	12L9208	Trunnion Assy
7.	12L9210	Pin Assy
8.	12L9212	Trunnion Assy
9.	12L9213	Pin
10.	12L9220	Dashpot Assy
11.	12L9241	Bottle, Assy of
12.	12L9200	Skid, Assy of
13.	12L9201	Skid Beam Assy
14.	12B9325	Skid Fairing Assy
15.	12L9202	Shoe

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



	12L031 12L031	M. L. G. Door Instl., Fwd. M. L. G. Door Instl., Aft
1.	12L101	Door
2.	12L108	Truss
3.	P004-20-049	Bushing
4.	12L129	Column
5.	12L102	Hinge
6.	12L105	Bushing
7.	12L217	Fitting
8.	12L124	Bushing
9.	12B7640	Beam
10.	12B5863	Skin Instl.
11.	12L110	Fairing
12.	12L5862	Skin
13.	12L140	Door, MLG
14.	12L344	Beam
15.	12L346	Link Assy.
16.	12L347	Bracket
17.	12L353	Drive Link

Figure 4-160 MAIN LANDING GEAR DOORS AND FAIRINGS

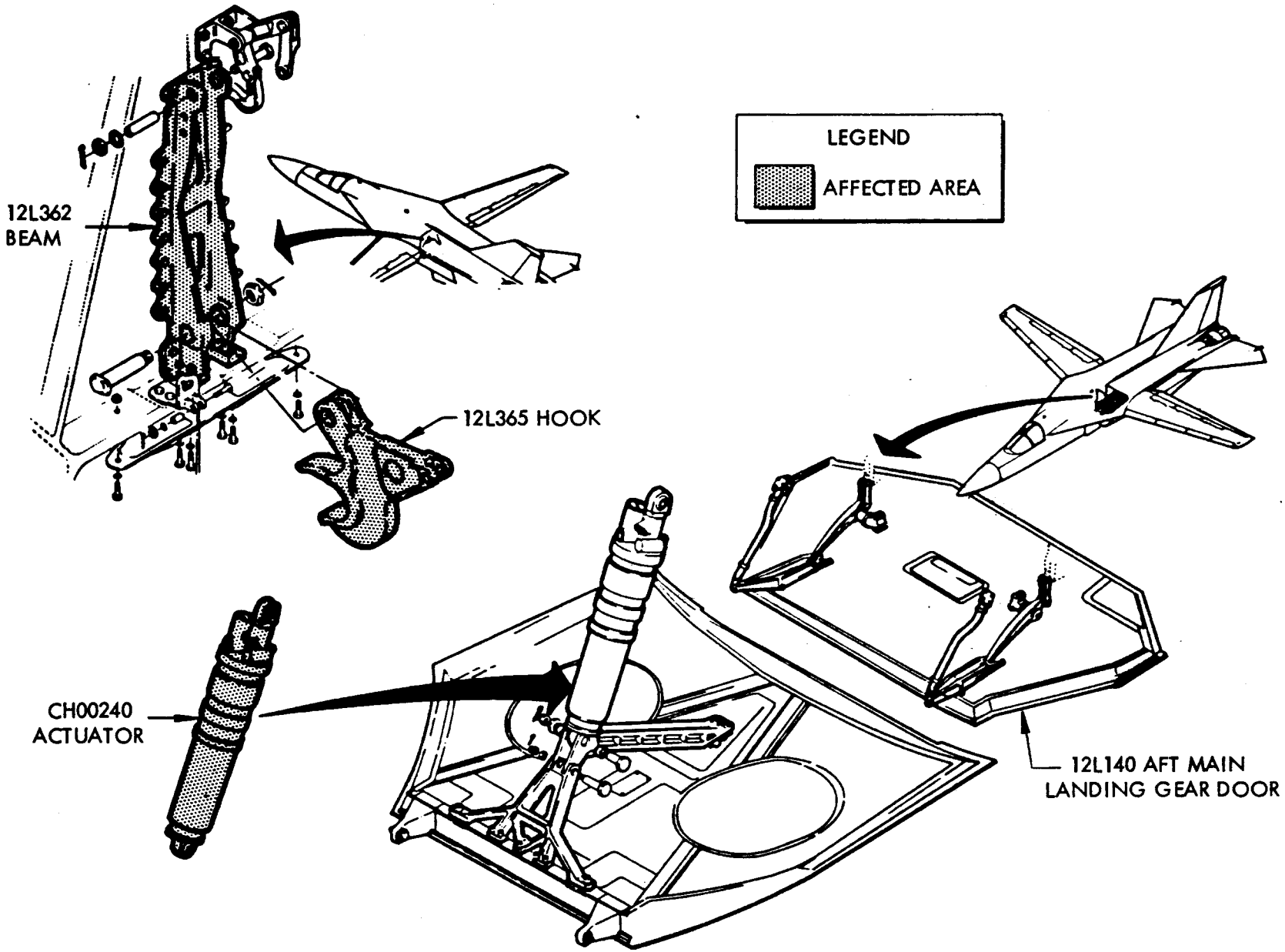


Figure 4-160A ECP 2070 - INSTALL IMPROVED SPEED BRAKE ACTUATOR AND CONTROL (TAC 160-on)

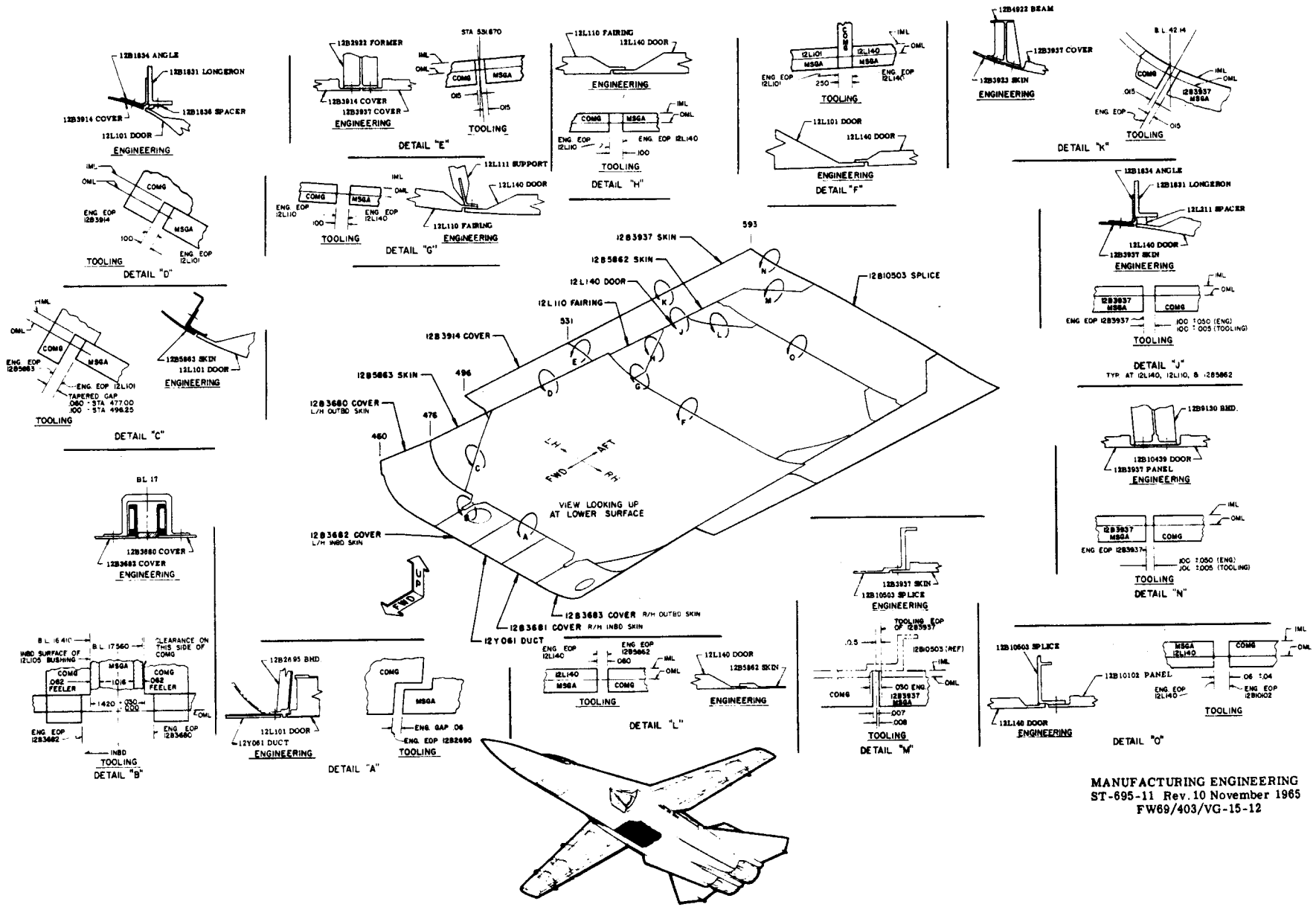
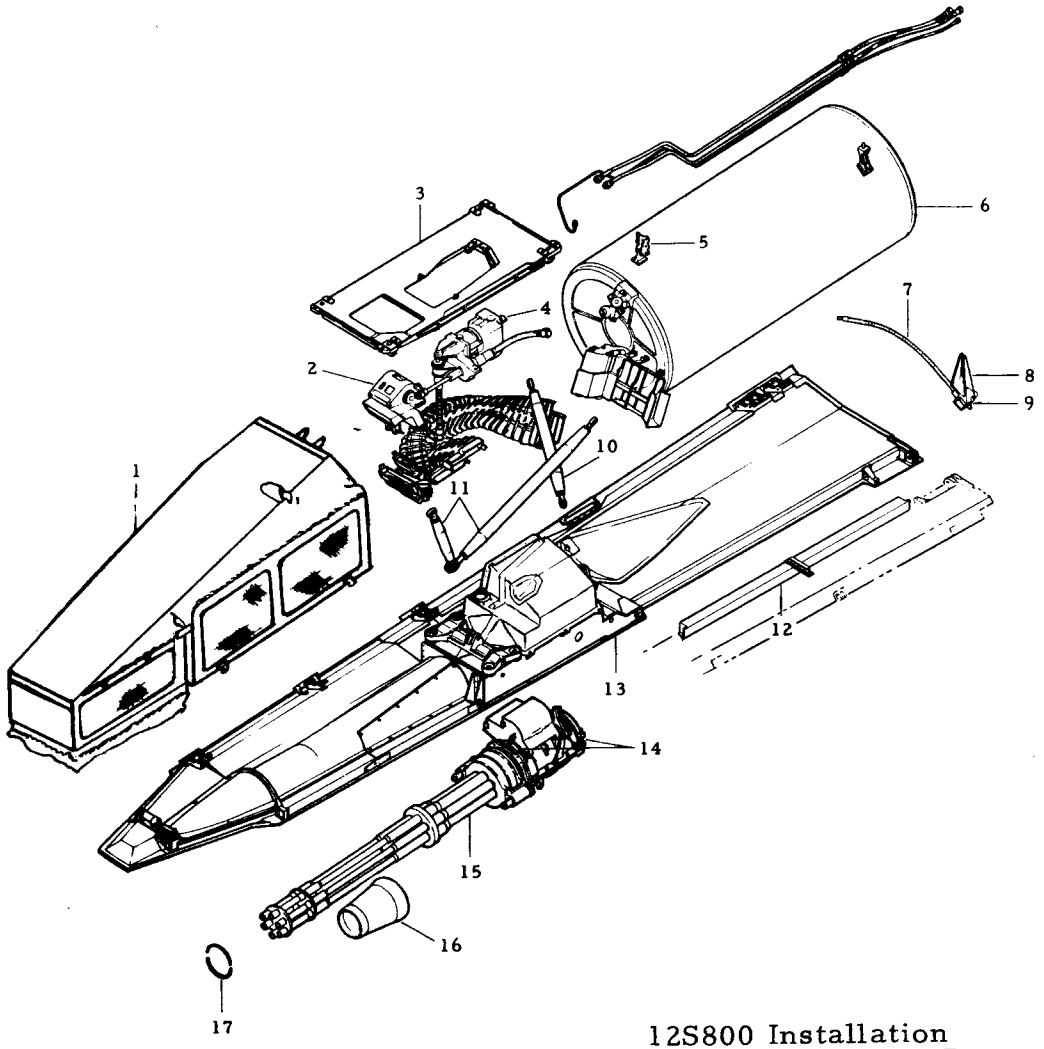


Figure4-161 PANEL AND UNDERSTRUCTURE RELATIONSHIP - MLG AND LWR NACELLE AREA



12S800 Installation

F-111A / F-111E	L	12S811	EXPENDED CASE BIN 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

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

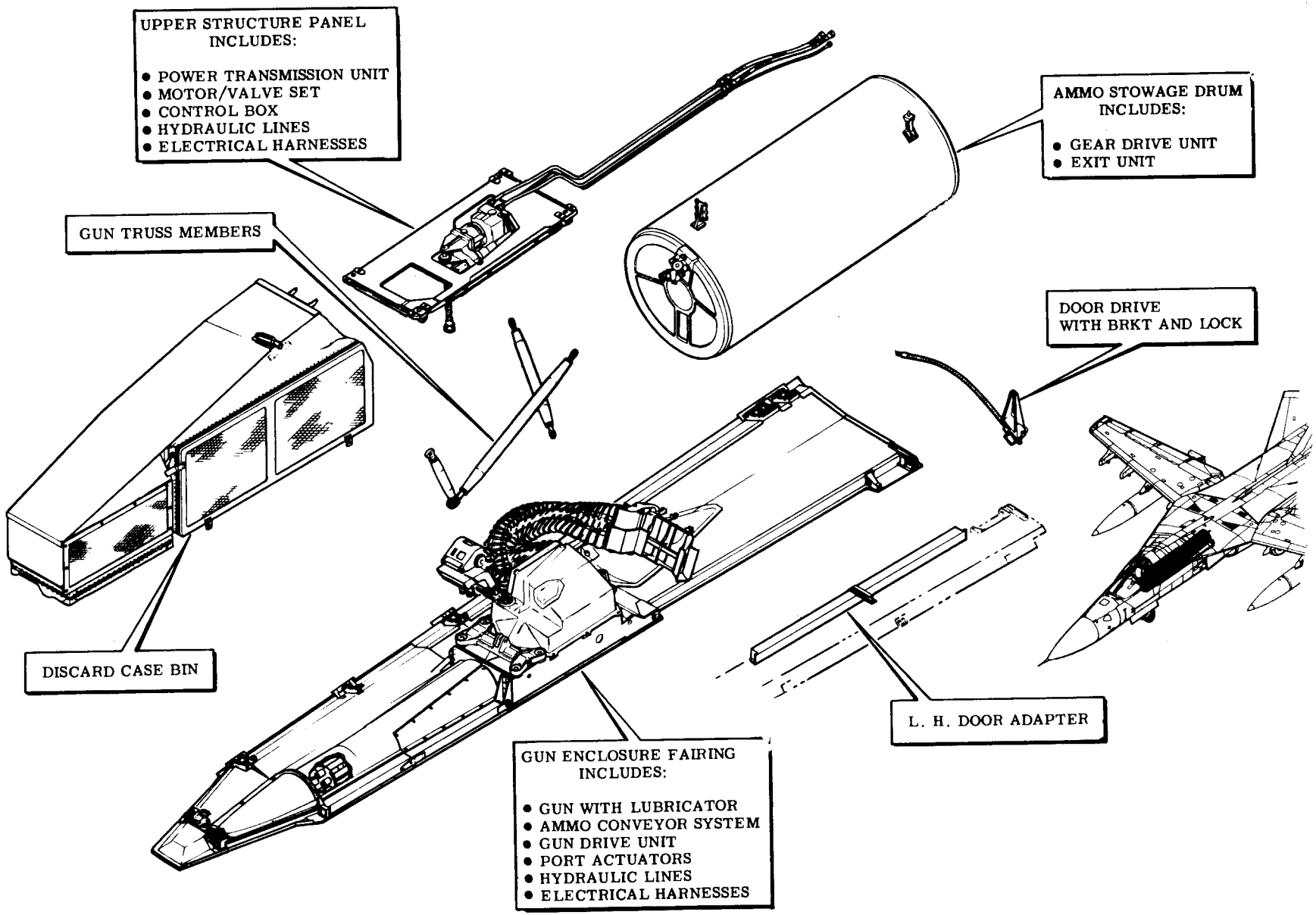
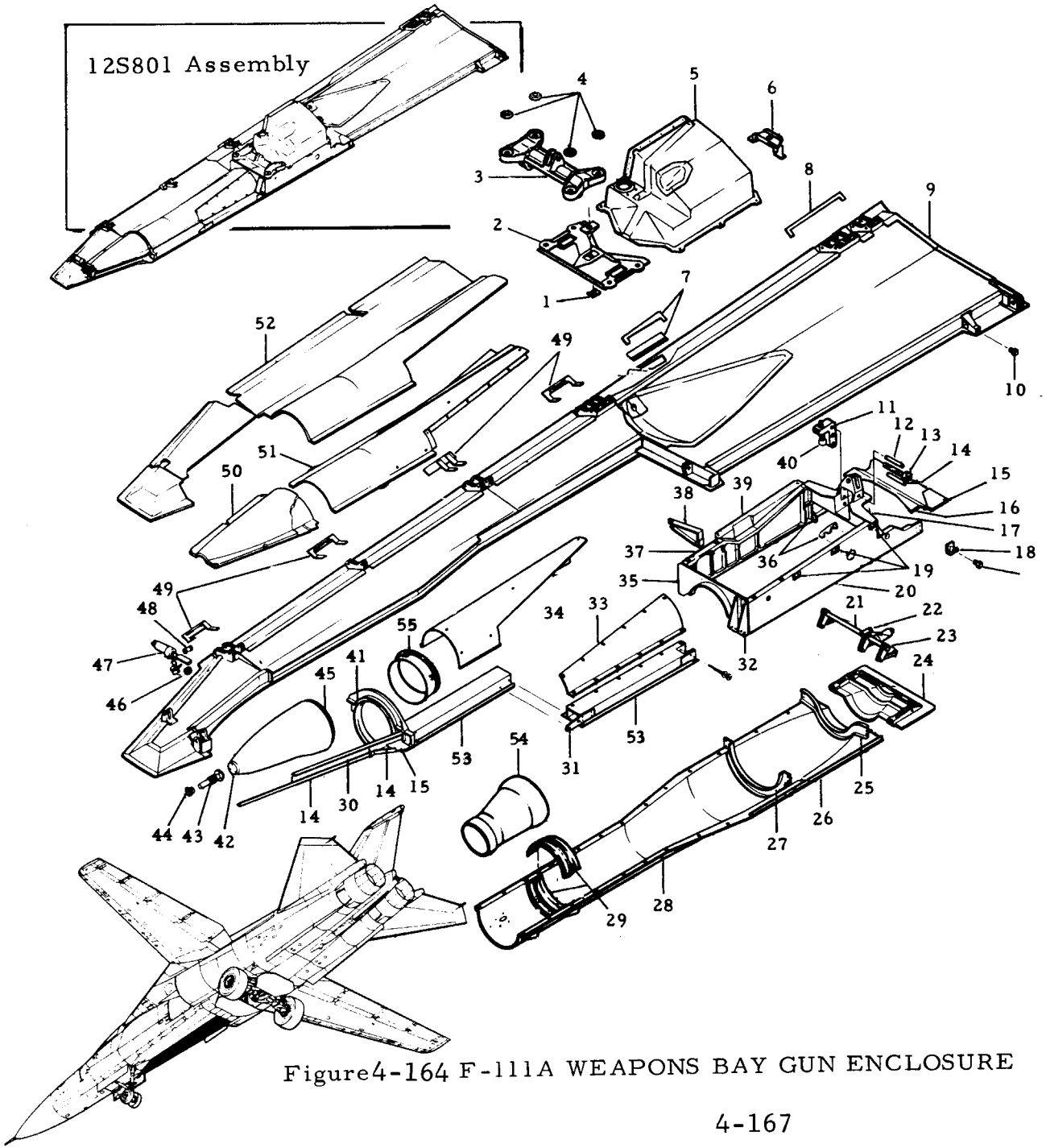


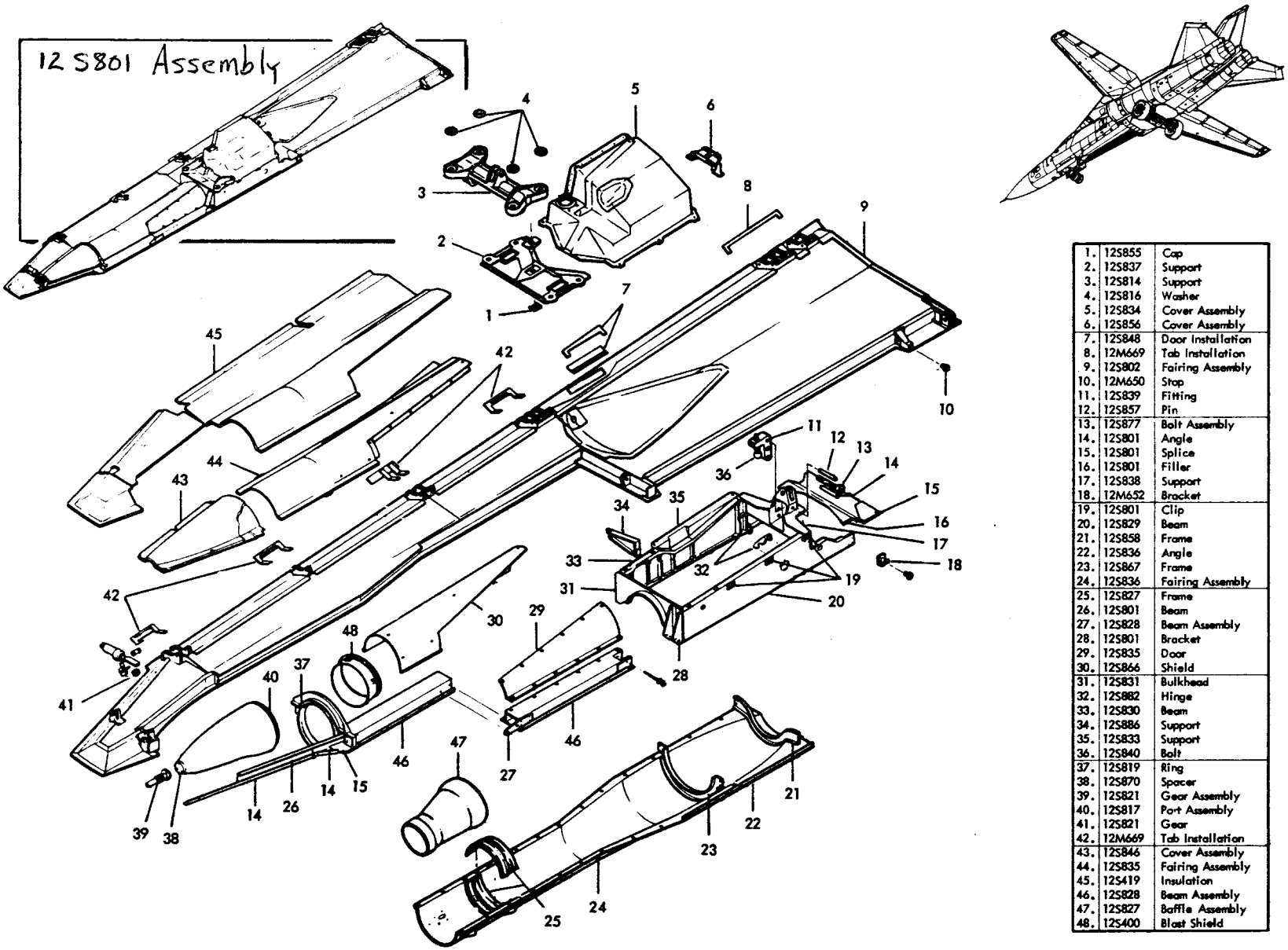
Figure4-163 F-111A WEAPONS BAY COMPONENTS

F-111E



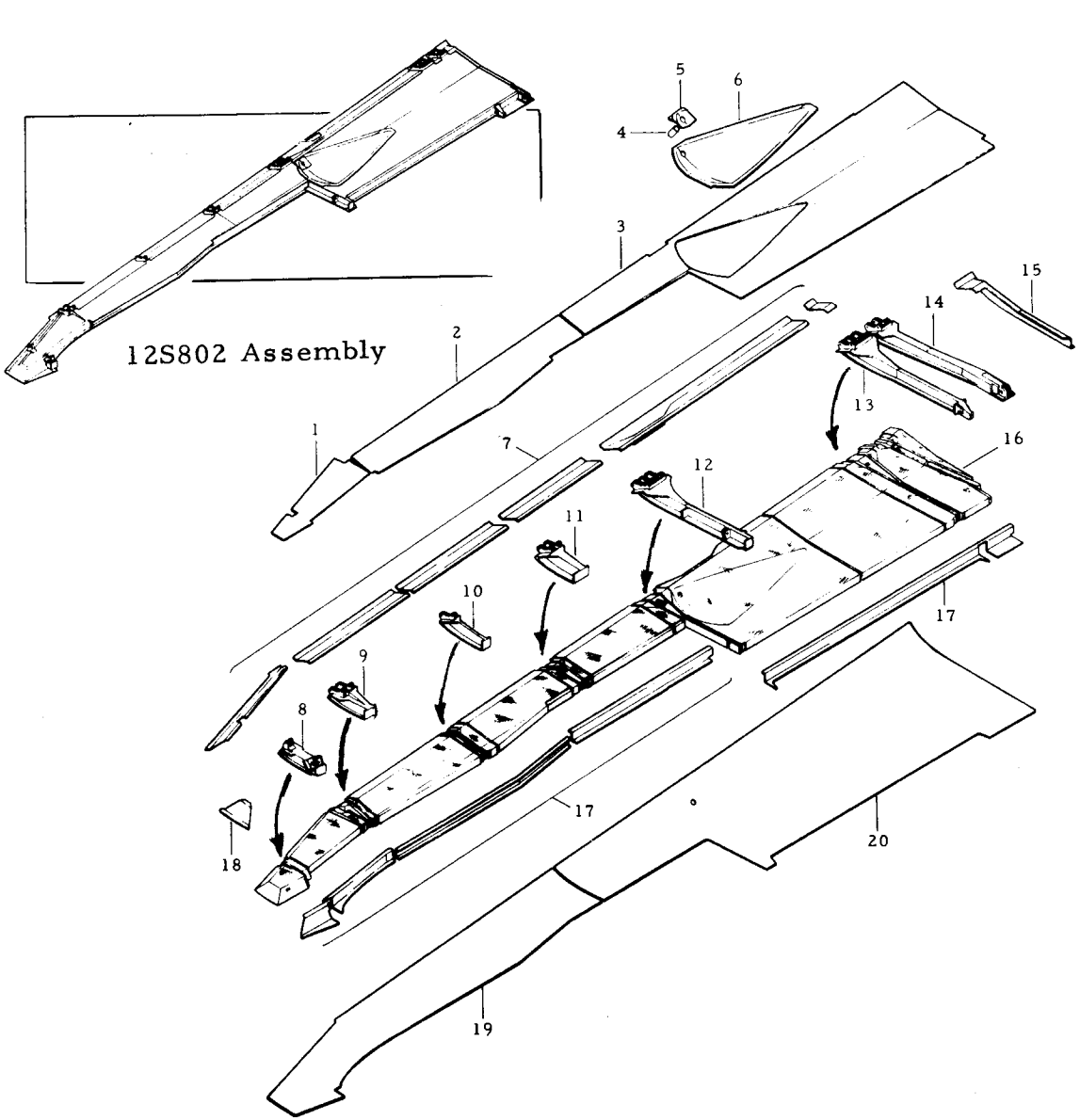
1.	12S855	Cap
2.	12S837	Support
3.	12S814	Support
4.	12S816	Washer
5.	12S834	Cover Assy.
6.	12S856	Cover Assy.
7.	12S848	Door Instl.
8.	12M669	Tab Instl.
9.	12S802	Fairing Assy.
10.	12M650	Stop
11.	12S839	Fitting
12.	12S857	Pin
13.	12S877	Bolt Assy.
14.	12S801	Angle
15.	12S801	Splice
16.	12S801	Filler
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

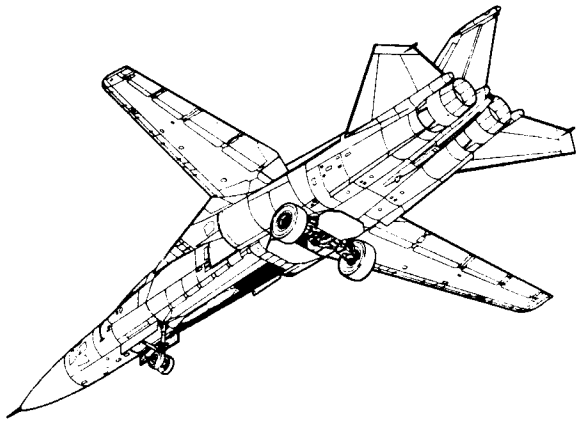
Figure4-164 F-111A WEAPONS BAY GUN ENCLOSURE



1.	12S855	Cap
2.	12S837	Support
3.	12S814	Support
4.	12S816	Washer
5.	12S834	Cover Assembly
6.	12S856	Cover Assembly
7.	12S848	Door Installation
8.	12M669	Tab Installation
9.	12S802	Fairing Assembly
10.	12M650	Stop
11.	12S839	Fitting
12.	12S857	Pin
13.	12S877	Bolt Assembly
14.	12S801	Angle
15.	12S801	Splice
16.	12S801	Filler
17.	12S838	Support
18.	12M652	Bracket
19.	12S801	Clip
20.	12S829	Beam
21.	12S858	Frame
22.	12S836	Angle
23.	12S867	Frame
24.	12S836	Fairing Assembly
25.	12S827	Frame
26.	12S801	Beam
27.	12S828	Beam Assembly
28.	12S801	Bracket
29.	12S835	Door
30.	12S866	Shield
31.	12S831	Bulkhead
32.	12S882	Hinge
33.	12S830	Beam
34.	12S886	Support
35.	12S833	Support
36.	12S840	Bolt
37.	12S819	Ring
38.	12S870	Spacer
39.	12S821	Gear Assembly
40.	12S817	Port Assembly
41.	12S821	Gear
42.	12M669	Tab Installation
43.	12S846	Cover Assembly
44.	12S835	Fairing Assembly
45.	12S419	Insulation
46.	12S828	Beam Assembly
47.	12S827	Baffle Assembly
48.	12S400	Blast Shield

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





1.	12S802	Skin, Upr., Sta. 278-289
2.	12S802	Skin, Upr., Sta. 289-364
3.	12S802	Skin, Upr., Sta. 364-448
4.	12S802	Tube
5.	12S802	Doubler
6.	12S802	Pan
7.	12S802	Edge Members, Outboard
8.	12S842	Frame, Sta. 289.23
9.	12S822	Frame, Sta. 307.5
10.	12S823	Frame, Sta. 337.5
11.	12S883	Frame, Sta. 364
12.	12S824	Frame, Sta. 392.30
13.	12S825	Frame, Sta. 448
14.	12S826	Frame, Sta. 454
15.	12S802	Edge Member, Aft
16.	12S802	Core Details
17.	12S802	Edge Members, Inbd.
18.	12S802	Edge Member, Fwd.
19.	12S802	Skin, Lwr., Sta. 278-364
20.	12S802	Skin, Lwr., Sta. 364-448

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

F-111E

ST-1105-43A

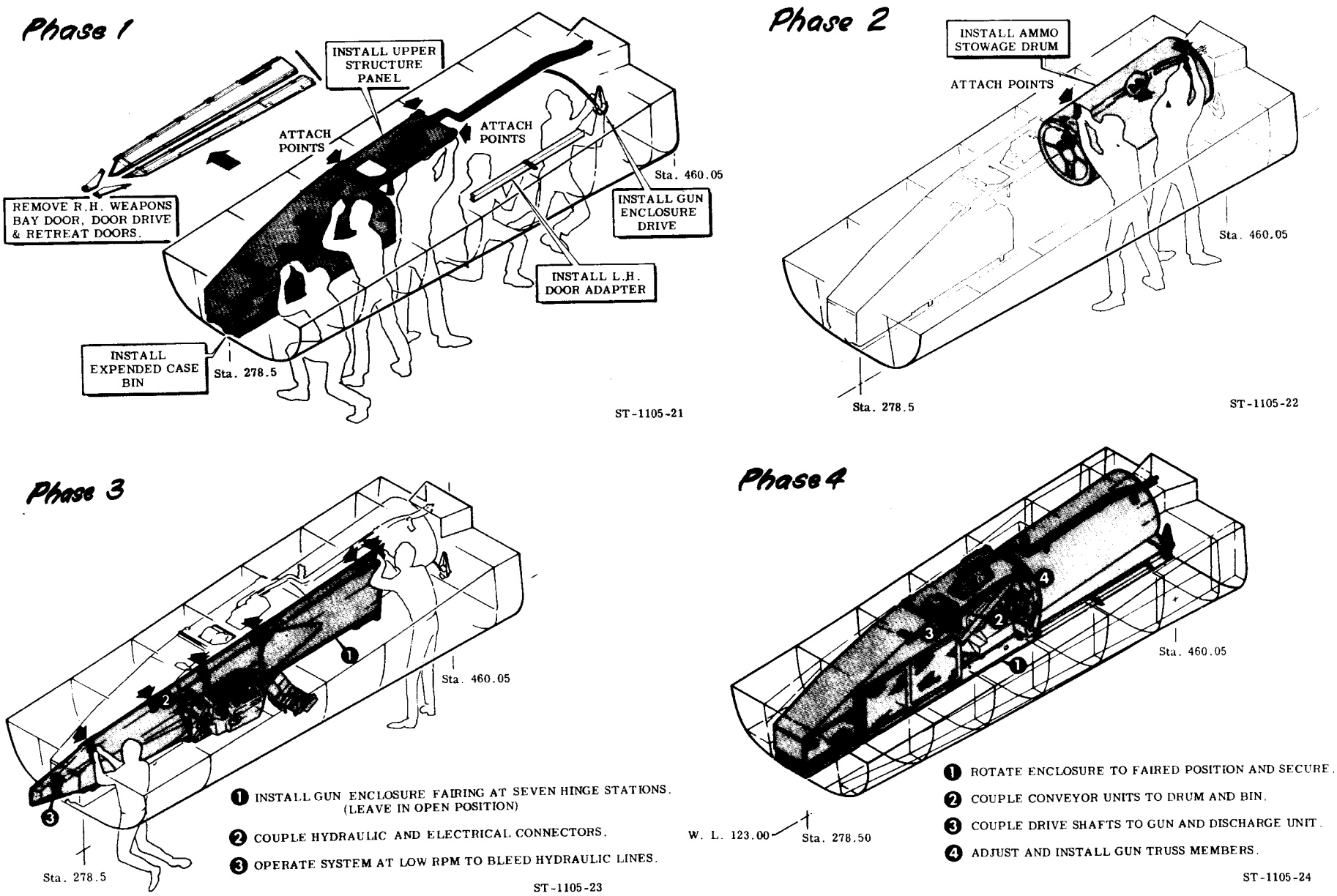
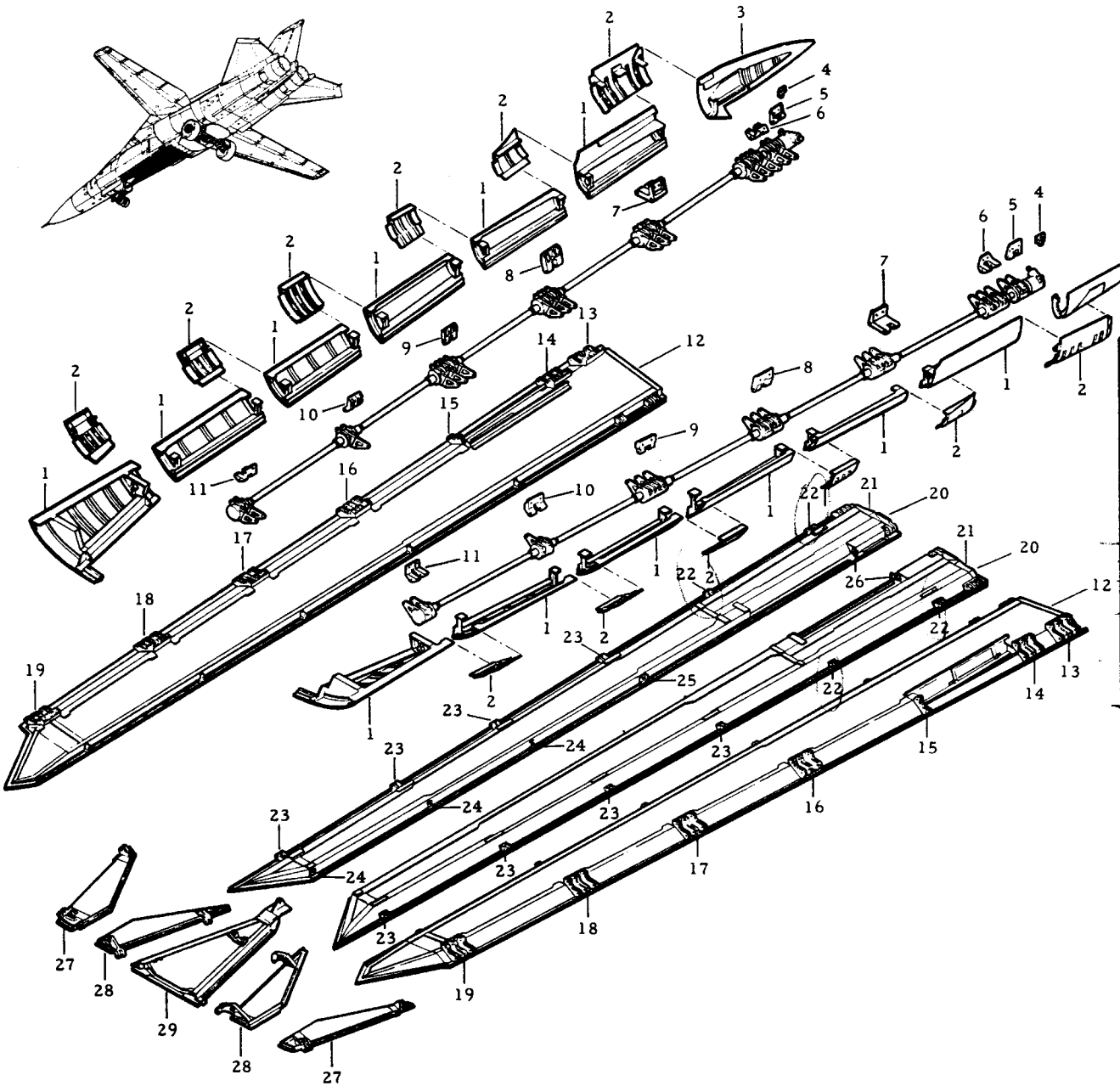


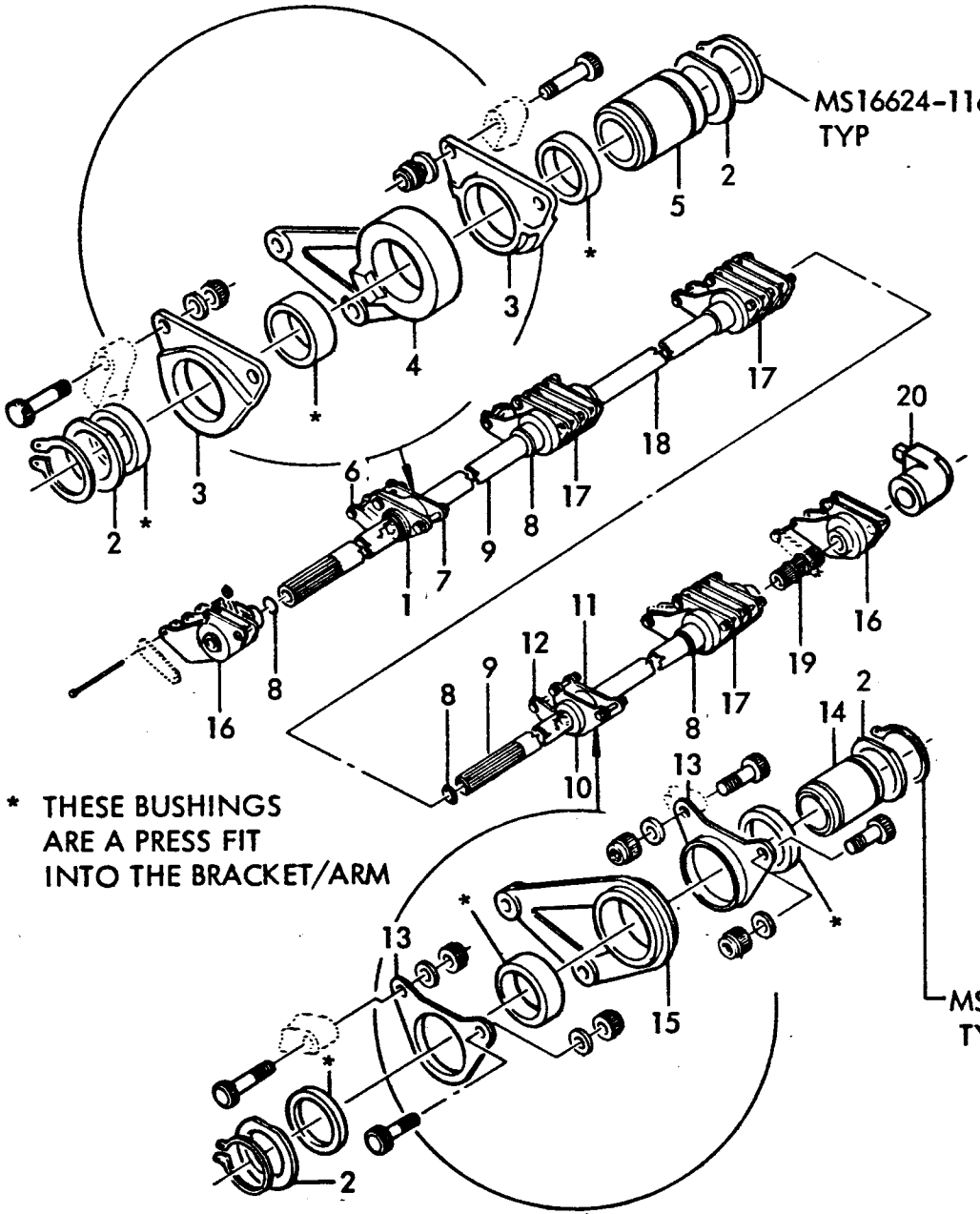
Figure 4-166 F-111A BAY GUN INSTALLATION
F-111E

ST-1105-25



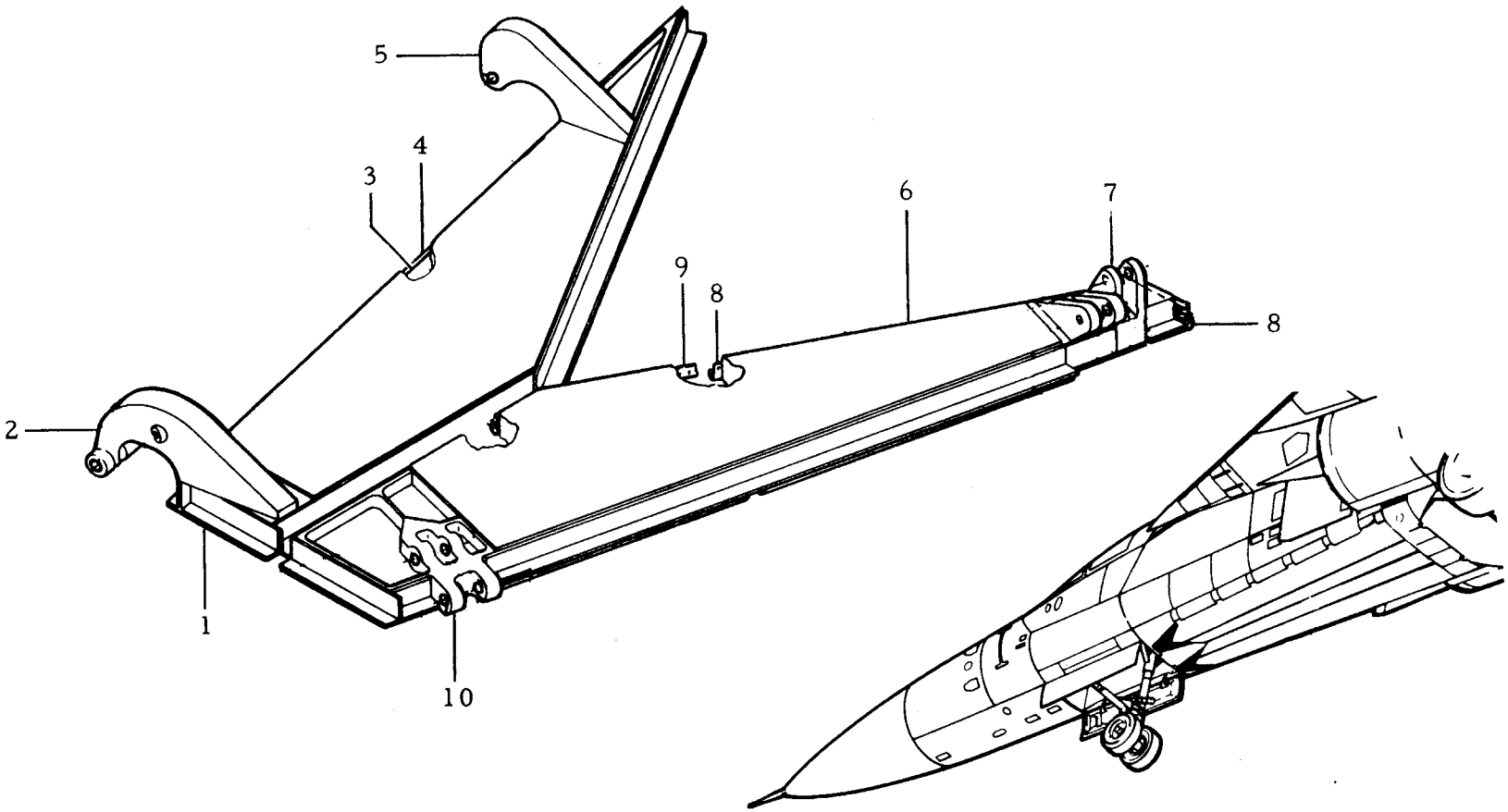
1.	12S903	Fairing Assemblies
2.	12S932	Seal Assemblies
3.	12M635	Fixed Fairing Assy
4.	12B8387	Support, Gear Box
5.	12B8396	Support Hinge
6.	12B8379	Support Hinge
7.	12B8368	Support
8.	12B8356	Support Hinge
9.	12B8346	Support Hinge
10.	12B8336	Support Hinge
11.	12B8326	Support Hinge
12.	12S902	Door Assembly
13.	12M648	Frame
14.	12M647	Frame
15.	12S907	Frame
16.	12M645	Frame
17.	12M644	Frame
18.	12M643	Frame
19.	12M642	Frame
20.	12S901	Door Assembly
21.	12M621	Frame
22.	12M622	Frame
23.	12M620	Frame
24.	12M652	Socket Stop (RH)
	12M651	Socket Stop (LH)
25.	12S874	Socket Stop (LH)
	12M653	Socket Stop (RH)
26.	12S875	Socket Stop (LH)
	12M653	Socket Stop (RH)
27.	12S911	Door Assy.
28.	12S912	Door Assy.
29.	12S954	Skin Instl.(F-111A: A1 19-83)
	12S960	Skin Instl.(F-111A: A1 84-159) (FB-111A: B1 3-On)
	12S965	Skin Instl.(F-111A: A1 160-On)

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



1.	12S938	Hinge Instl., Sta. 337
2.	12S937	Retainer, Hinge Pin
3.	12S939	Bracket
4.	12S940	Arm
5.	12S941	Pin, Hinge
6.	12S940	Arm Assy.
7.	12S939	Bracket Assy.
8.	12M686	Ring, Retaining
9.	12M684	Shaft, Drive
10.	12S933	Hinge Instl., Sta. 420.7
11.	12S934	Bracket Assy.
12.	12S935	Arm Assy., Sta. 420.7
13.	12S934	Bracket
14.	12S936	Pin
15.	12S935	Arm
16.	CM00038-1-7	Power Hinge (Single)(LH)
	CM00038-1-8	Power Hinge (Single)(RH)
17.	CM00038-1-5	Power Hinge (Double)
18.	CM00038-6-9	Drive Shaft
19.	CM00038-6-12	Drive Shaft
20.	CM00038-2-4	Angle Gear Box (LH)
	CM00038-2-2	Angle Gear Box (RH)

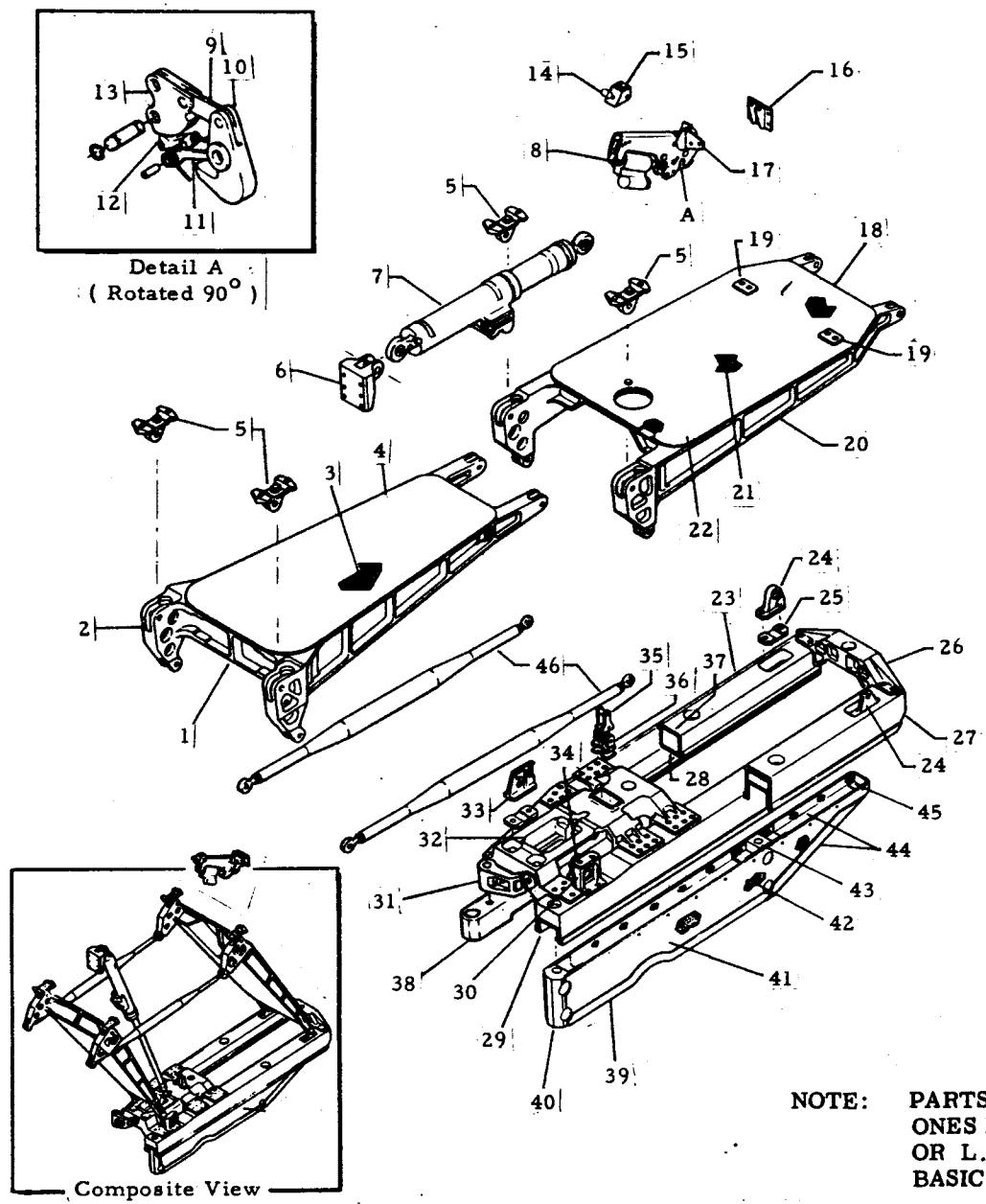
Figure 4-168 WEAPONS BAY DOORS - DRIVE SET INSTALLATION



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

Figure4-169 WEAPONS BAY FORWARD DOOR - L/R

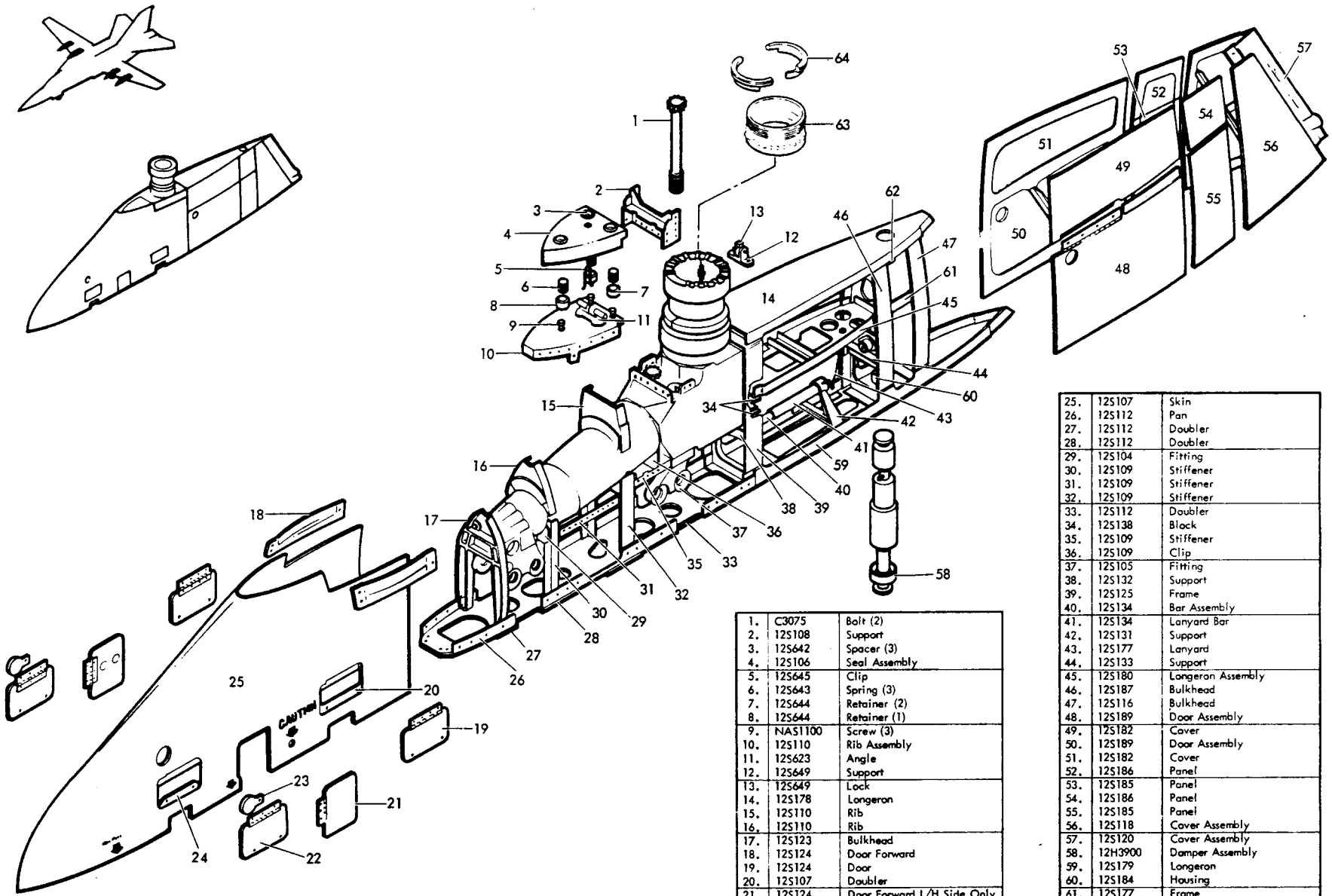




	12M005	Trapeze Instl.
1.	12S500	FWD ARM ASSEMBLY
2.	12S545	Frame
3.	12S500	Core
4.	12S500	Skin, Upper
5.	12S503	Fitting, Assy. Interface
6.	12M407	Bracket
7.	CH00217	Actuator Assy.
8.	12S530	UPLATCH ASSEMBLY
9.	12S536	Link-Toggle
10.	12S532	Hook-Toggle
11.	12S539	Trigger-Lock
12.	12S538	Sear-Lock
13.	12S533	Bellcrank
	12S543	Pin-Uplatch
	12S531	Housing Assy.
	12S537	Pin-Cocking
	12S543	Pins
	12S546	Actuator, Present Switch
	12S547	Lever-Actuation
14.	12D579	Fitting
15.	12M401	Bracket
16.	12M408	Bracket
17.	12H951	Support
18.	12S506	Arm Assy.
19.	12S509	Bumper
20.	12S545	Frame Assy, Arm
21.	12S506	Core
22.	12S506	Skins
23.	12S510	Adapter Assy.
24.	12S516	Ftg. Pivot-Aft
25.	12S519	Plate, Adjusting
26.	12S525	Crossbeam, Aft
27.	12S511	Rail, Upper-LH
28.	12S518	Rail, Lower-RH
29.	12S512	Rail, Lower-LH
30.	12S504	Bumper - LH, Fwd.
31.	12S556	Extension, Adapter
32.	12S513	Crossbeam Assy. Fwd-Adapter
33.	12S515	Ftg, Pivot-Fwd, RH
34.	12S521	Ftg, Pivot-Fwd, LH
35.	12S523	Clevis-Uplatch Pickup
36.	12S522	Support-Uplatch Pickup
37.	12S517	Rail, Upper-RH
	12S543	Pins-Uplatch, Trapeze
38.	12S558	Spacer (LH INSTL. ONLY)
39.	12S527	Spacer Assy. (RH BAY INSTALLATION ONLY)
40.	12S528	Fitting-Fwd.
41.	12S527	Skin
42.	12S527	Core
43.	12S508	Fitting-Aft
44.	12S527	Channel
45.	12S527	Angles
46.	12S526	Tube Assy-Arm Syn.
	12S534	Tube-Arm Syn.

NOTE: PARTS OTHER THAN ONES MARKED R.H. OR L.H. ARE IN BASIC NUMBER.

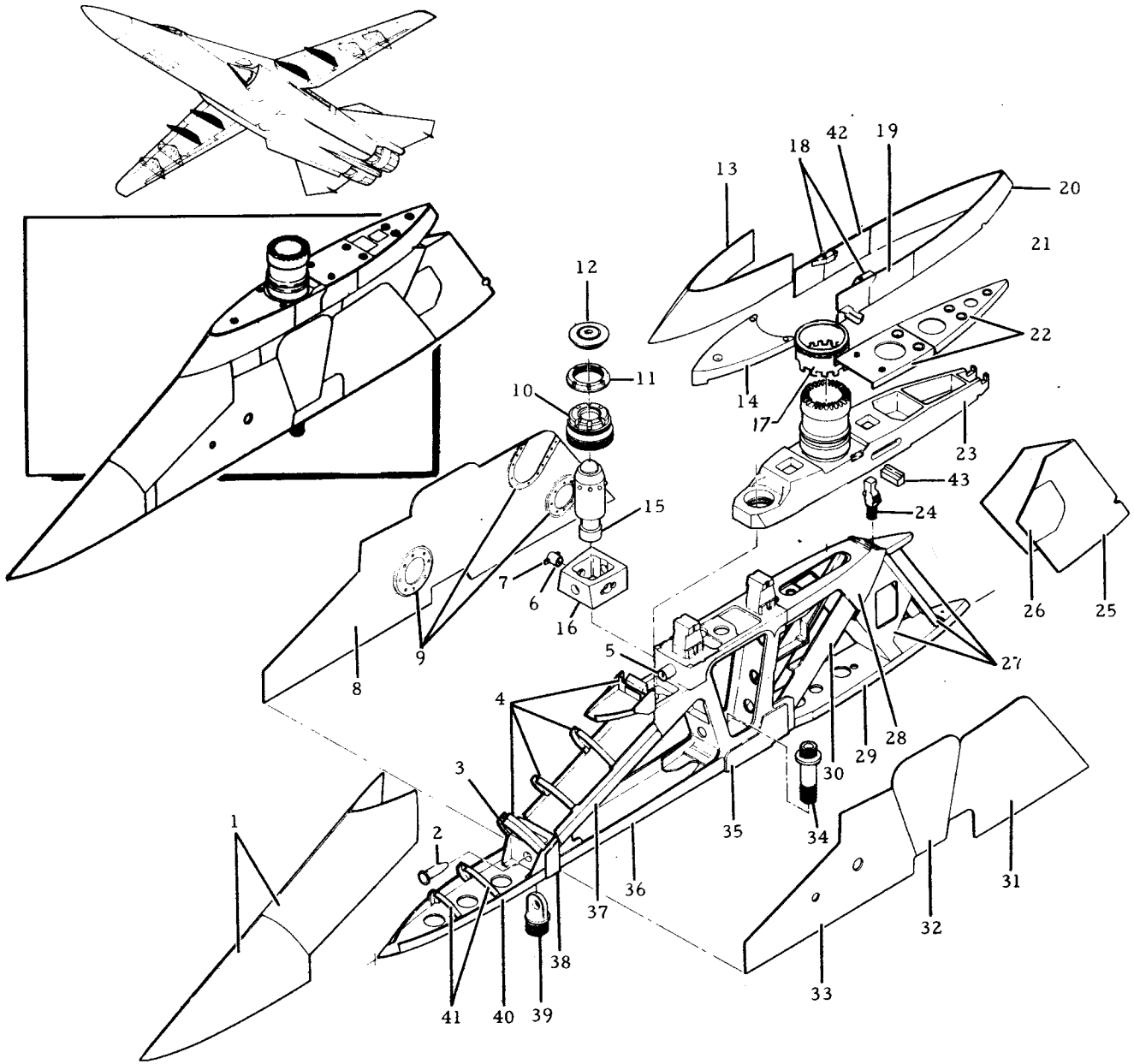
Figure 4-170 TRAPEZE ARRANGEMENT - WEAPONS BAY (F-111A: A1 31-159)



1.	C3075	Bolt (2)
2.	12S108	Support
3.	12S642	Spacer (3)
4.	12S106	Seal Assembly
5.	12S645	Clip
6.	12S643	Spring (3)
7.	12S644	Retainer (2)
8.	12S644	Retainer (1)
9.	NAS1100	Screw (3)
10.	12S110	Rib Assembly
11.	12S623	Angle
12.	12S649	Support
13.	12S649	Lock
14.	12S178	Longeron
15.	12S110	Rib
16.	12S110	Rib
17.	12S123	Bulkhead
18.	12S124	Door Forward
19.	12S124	Door
20.	12S107	Doubler
21.	12S124	Door Forward L/H Side Only
22.	12S124	Door Assembly Forward L/H
23.	12S124	Door Forward
24.	12S107	Doubler

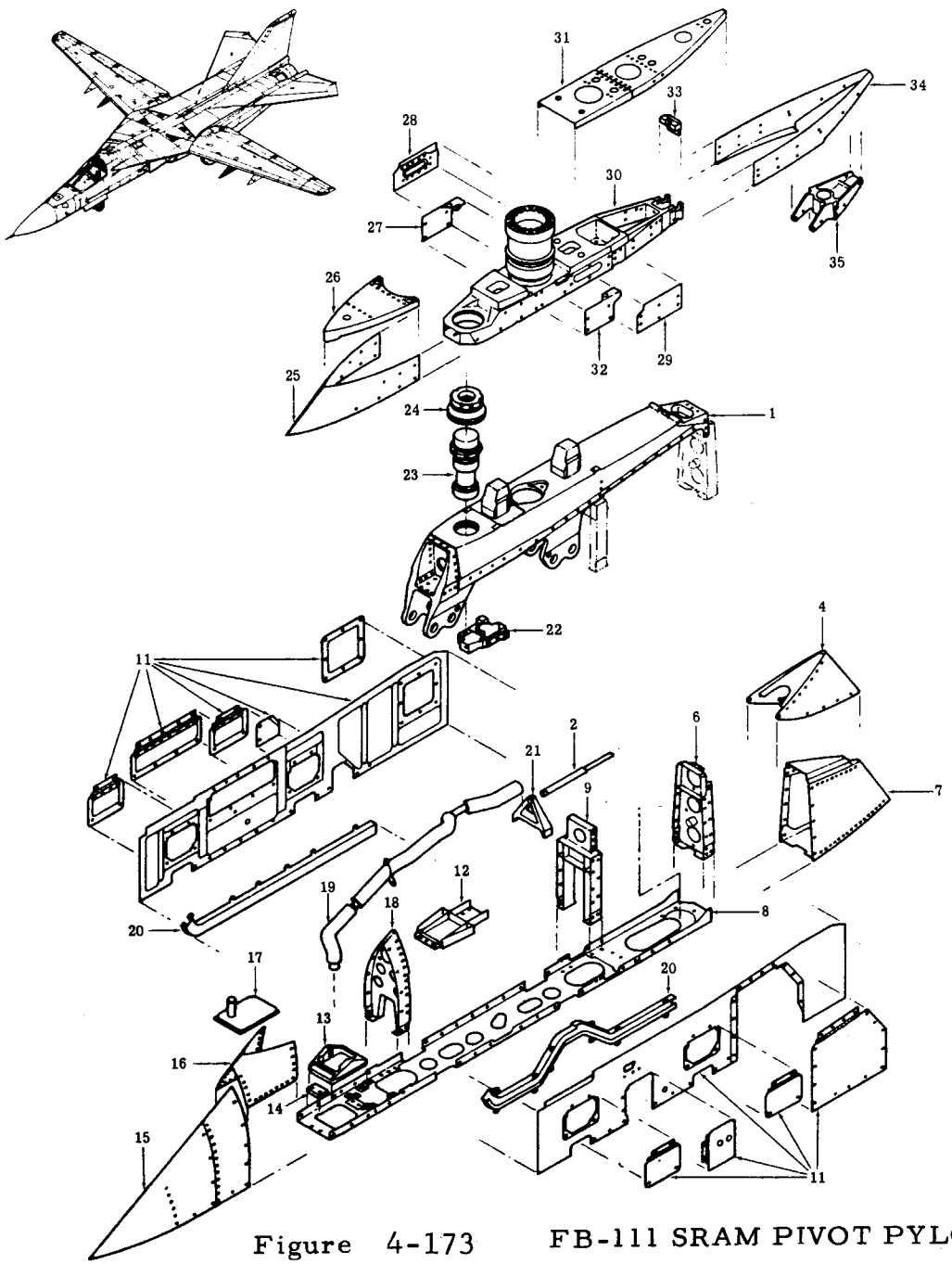
25.	12S107	Skin
26.	12S112	Pan
27.	12S112	Doubler
28.	12S112	Doubler
29.	12S104	Fitting
30.	12S109	Stiffener
31.	12S109	Stiffener
32.	12S109	Stiffener
33.	12S112	Doubler
34.	12S138	Block
35.	12S109	Stiffener
36.	12S109	Clip
37.	12S105	Fitting
38.	12S132	Support
39.	12S125	Frame
40.	12S134	Bar Assembly
41.	12S134	Lanyard Bar
42.	12S131	Support
43.	12S177	Lanyard
44.	12S133	Support
45.	12S180	Longeron Assembly
46.	12S187	Bulkhead
47.	12S116	Bulkhead
48.	12S189	Door Assembly
49.	12S182	Cover
50.	12S189	Door Assembly
51.	12S182	Cover
52.	12S186	Panel
53.	12S185	Panel
54.	12S186	Panel
55.	12S185	Panel
56.	12S118	Cover Assembly
57.	12S120	Cover Assembly
58.	12H3900	Damper Assembly
59.	12S179	Longeron
60.	12S184	Housing
61.	12S177	Frame
62.	12S183	Housing
63.	12S615	Ringnut
64.	12S147	Collar

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

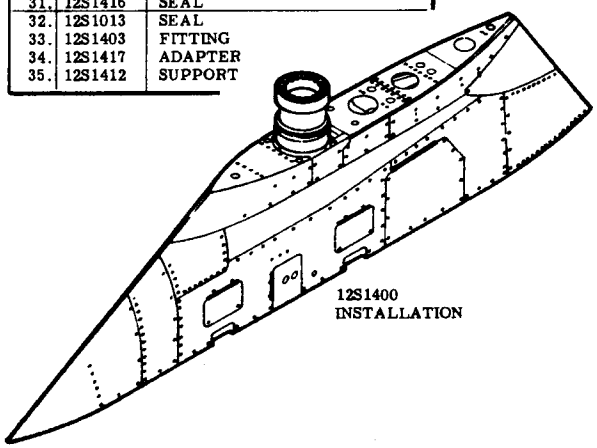


	12S1001	Pylon Assembly
	12S1003	Adapter Assembly
1.	12S1010	Pylon Fairing
2.	12S1116	Bolt
3.	12S1010	Flat
4.	12S1010	Stiffener
5.	12S1054	Gimbal Pin
6.	12S1055	Pin Ejector
7.	12S1059	Plate
8.	12S1001	Skin
9.	12S1001	Cover
10.	12S1056	Cap
11.	12S1058	Ring
12.	12S1057	Ejector Cap
13.	12S1003	Fairing
14.	12S1012	Seal
15.	12S1200	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.	12S1200	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)

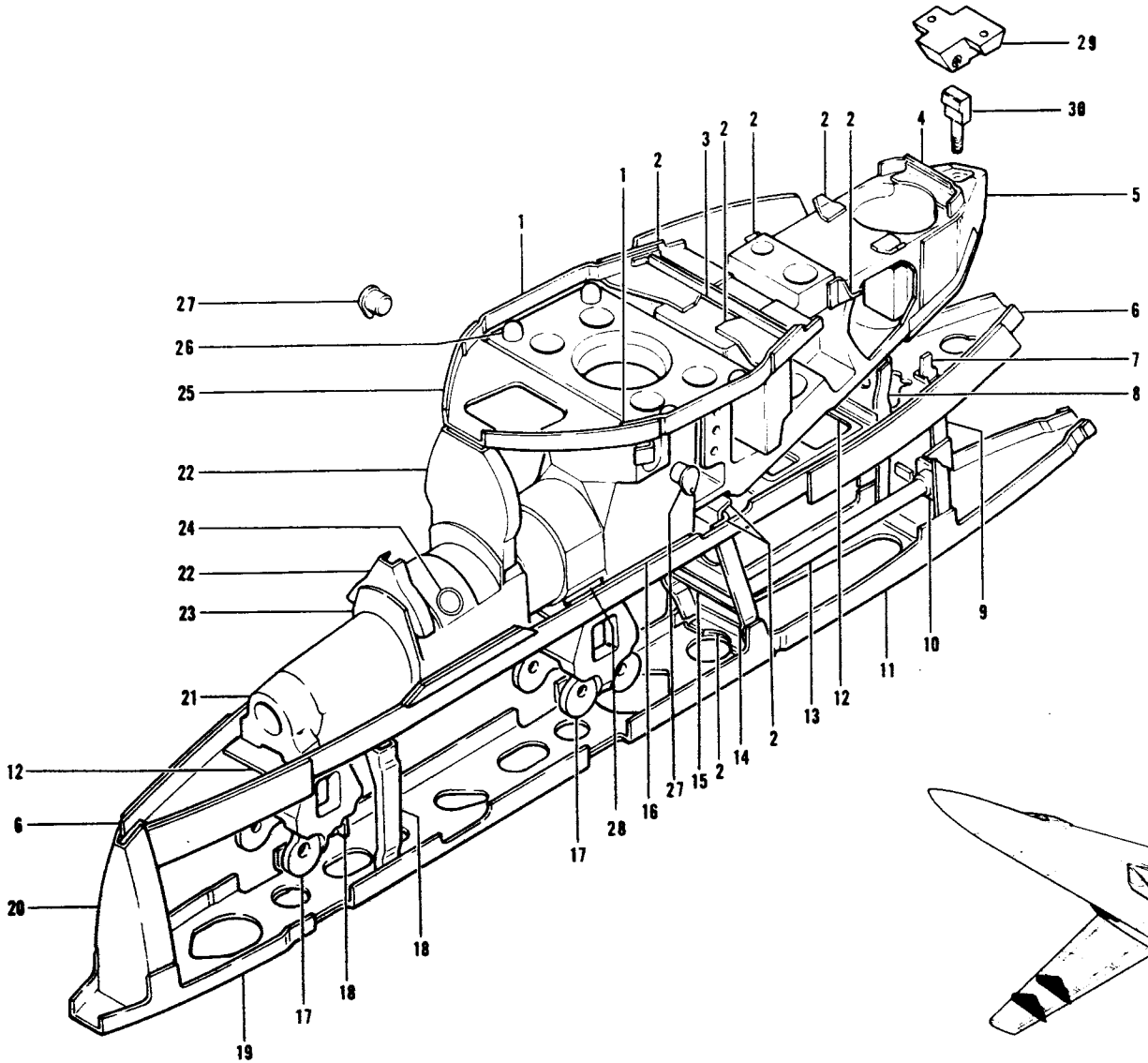


1.	12S1402	SUPPORT
2.	12S1419	LANYARD BAR
[redacted]		
4.	12S1414	FAIRING
[redacted]		
6.	12S1409	AFT FRAME
7.	12S1405	FAIRING
8.	12S1406	CLOSURE
9.	12S1408	CENTER FRAME
[redacted]		
11.	12S1410	PANEL
12.	12S1411	FITTING
13.	12S1418	SEAL
14.	12S1406	LOWER CLOSURE
15.	12S1404	FAIRING
16.	12S1420	FAIRING 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 12S1451 12S1058	RETAINER
25.	12S1003	WING ADAPTER ASSY.
26.	12S1012	SEAL
27.	12S1013	SEAL CENTER ADAPTER
28.	12S1015	COVER ASSY.-ADAPTER, AIR
29.	12S1003	COVER
30.	12S1011	ADAPTER
31.	12S1416	SEAL
32.	12S1013	SEAL
33.	12S1403	FITTING
34.	12S1417	ADAPTER
35.	12S1412	SUPPORT



12S1400
INSTALLATION

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



1.	12S202	Stiffener
2.	12S202	Clip
3.	12S202	Filler
4.	12S202	Clip
5.	12S226	Beam
6.	12S229	Shelf
7.	12P020	Support
8.	12S202	Bulkhead
9.	12S202	Bulkhead
10.	12S237	Bracket
11.	12S208	Closure
12.	12S229	Doubler
13.	12S202	Bar
14.	12S202	Bulkhead
15.	12M312	Channel
16.	12S229	Doubler
17.	12S217	Adapter
18.	12S202	Brace
19.	12S208	Closure
20.	12S210	Bulkhead
21.	12M303	Whiffletree Assembly
22.	12S202	Bulkhead
23.	12S227	Beam
24.	12S256	Pin
25.	12S202	Closure
26.	12S230	Stud
27.	12S255	Pin
28.	12M330	Fitting
29.	12S205	Socket
30.	12S223	Rod

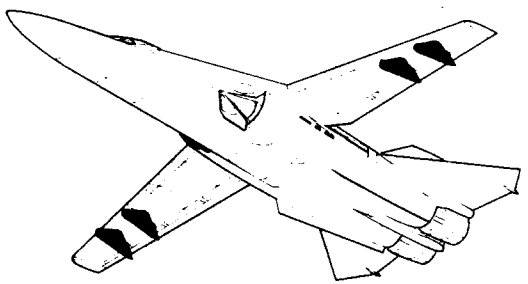
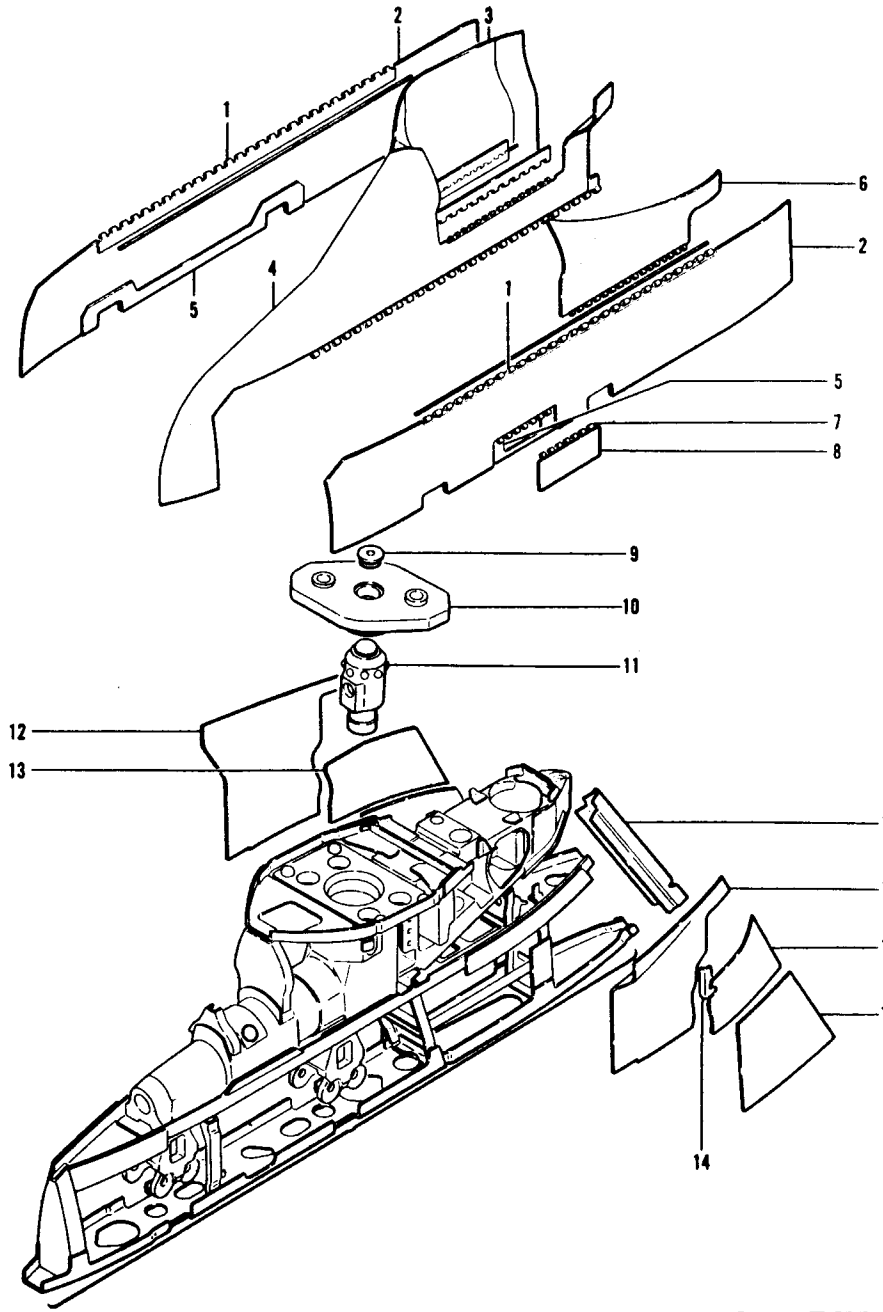
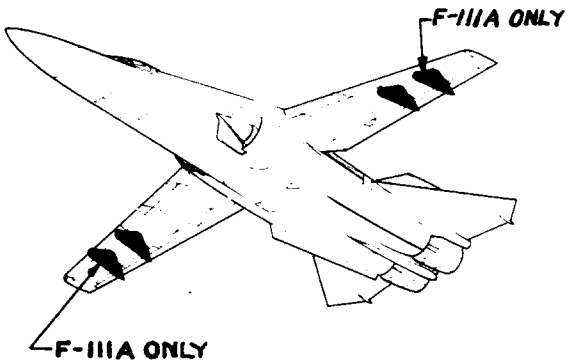


Figure4-174 FIXED PYLON - STRUCTURE





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

Figure 4-175 FIXED PYLON - SKINS

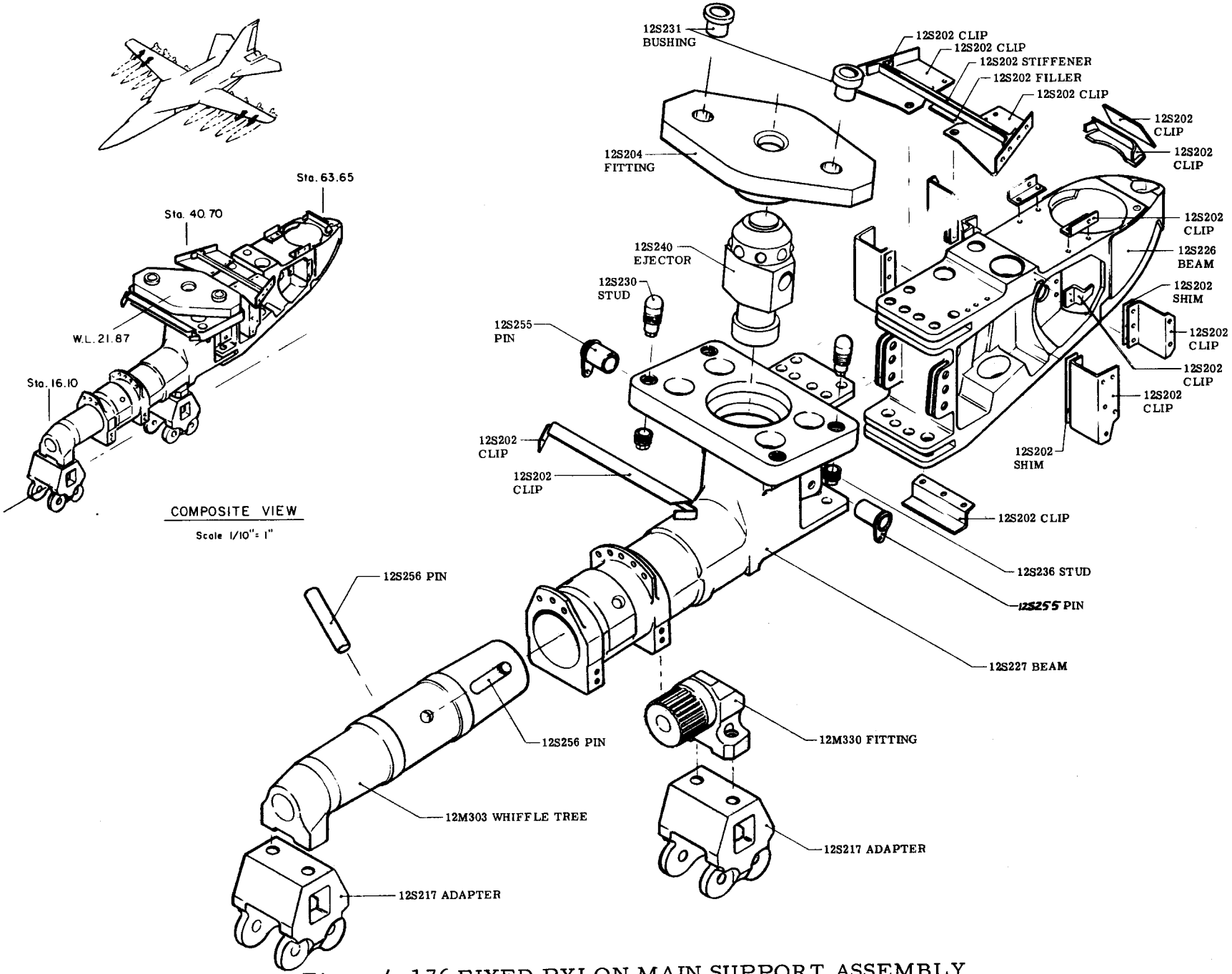
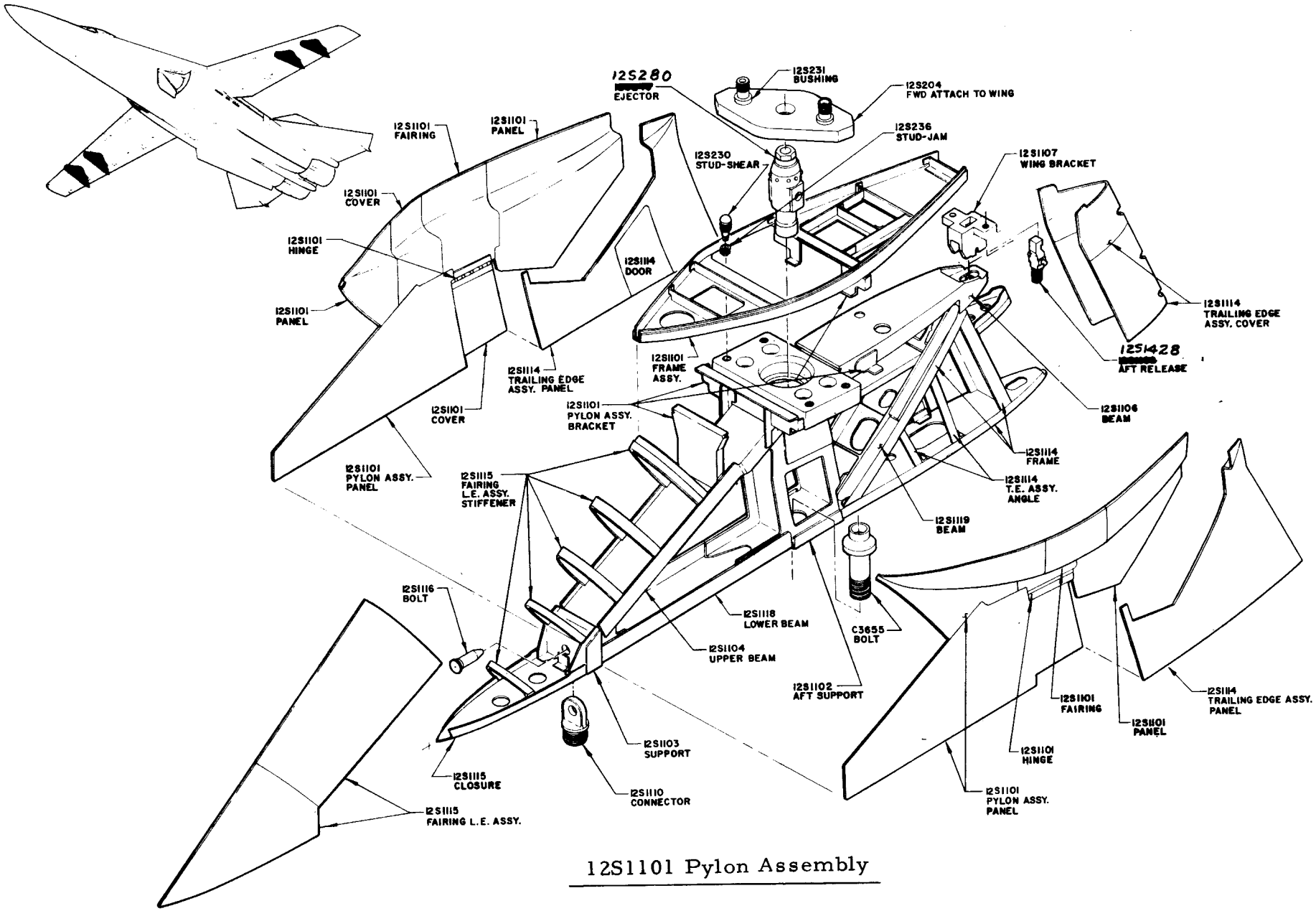
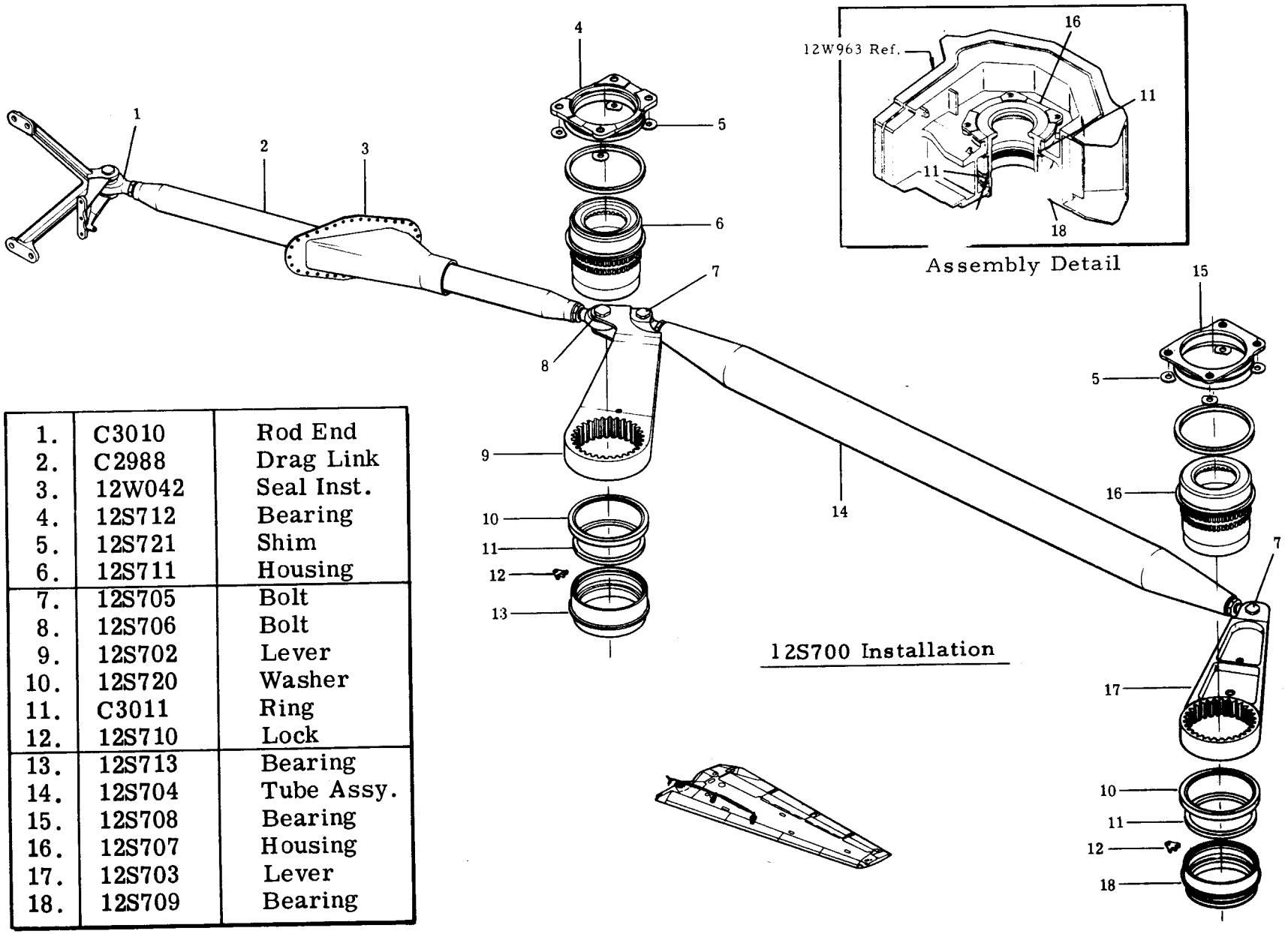


Figure 4-176 FIXED PYLON MAIN SUPPORT ASSEMBLY



12S1101 Pylon Assembly

Figure 4-177 FB-111 FIXED PYLON - TANK (Bomber 3 and On)



1.	C3010	Rod End
2.	C2988	Drag Link
3.	12W042	Seal Inst.
4.	12S712	Bearing
5.	12S721	Shim
6.	12S711	Housing
7.	12S705	Bolt
8.	12S706	Bolt
9.	12S702	Lever
10.	12S720	Washer
11.	C3011	Ring
12.	12S710	Lock
13.	12S713	Bearing
14.	12S704	Tube Assy.
15.	12S708	Bearing
16.	12S707	Housing
17.	12S703	Lever
18.	12S709	Bearing

Figure 4-178 WING PIVOT PYLON PIVOTING MECHANISM

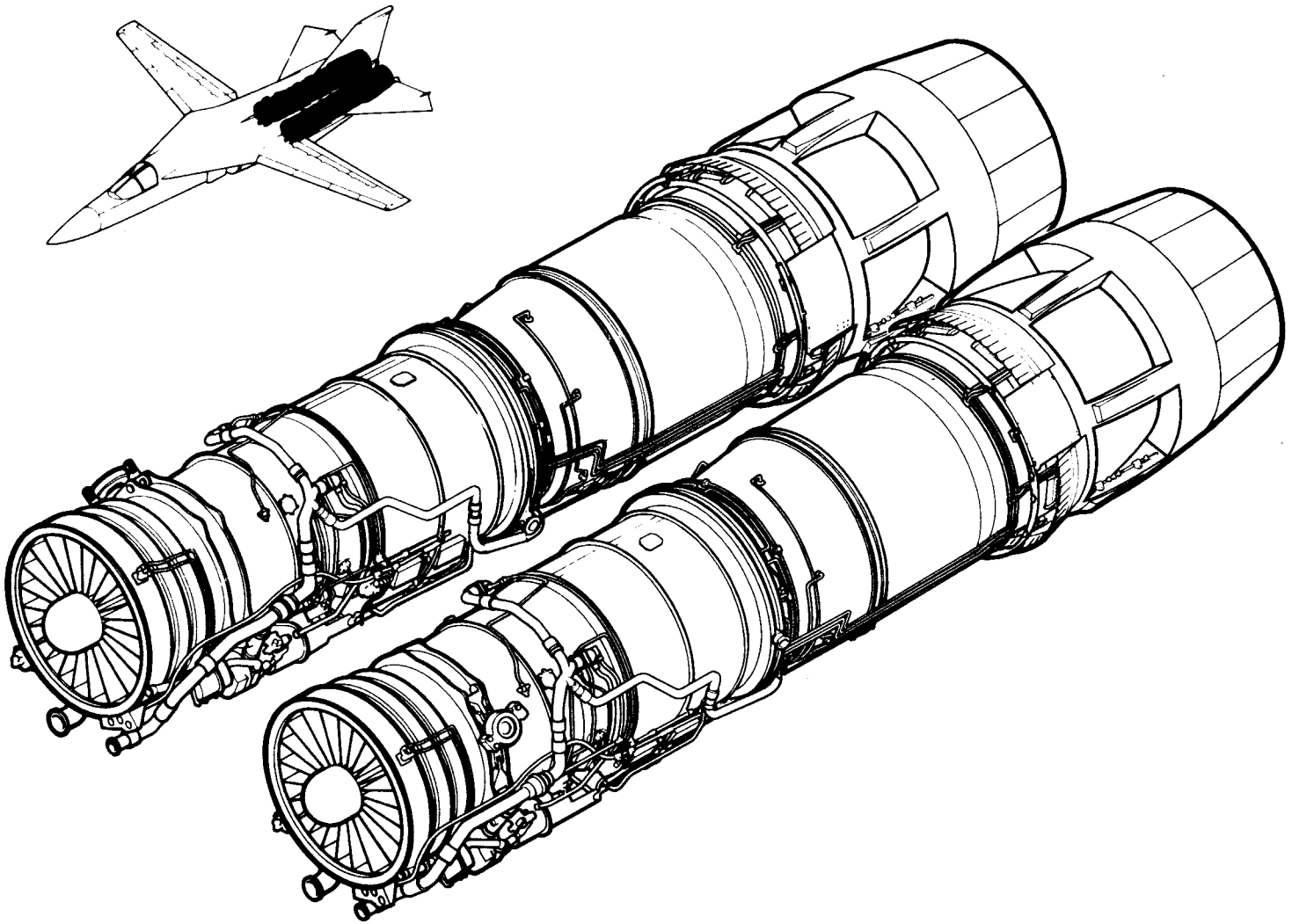


Figure4-179 F-111A TF-30-P-3 ENGINE
F-111E

ST-654-32

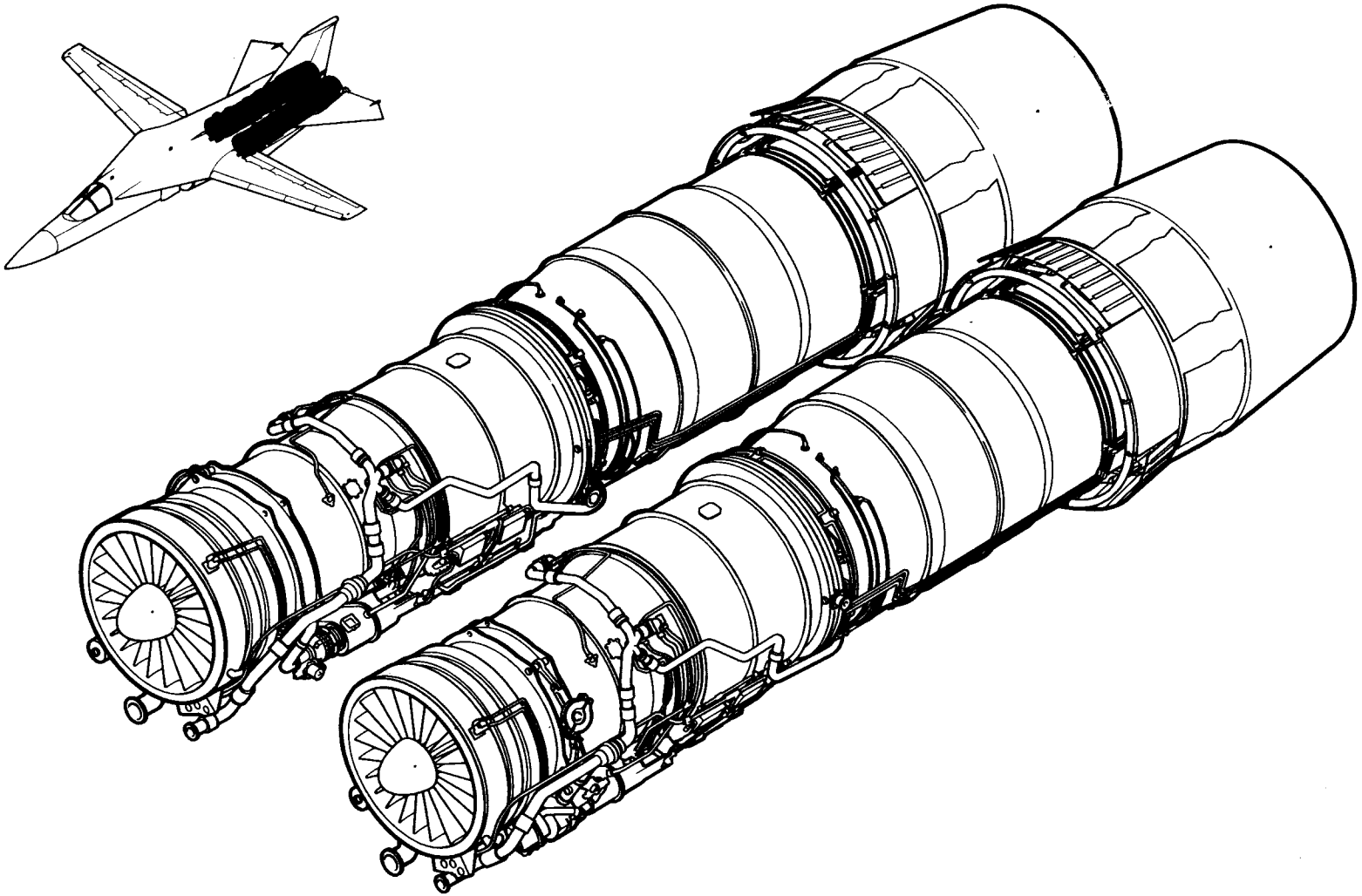


Figure 4-180 FB-111 TF30-P-7 ENGINES (Bomber 3 and On)

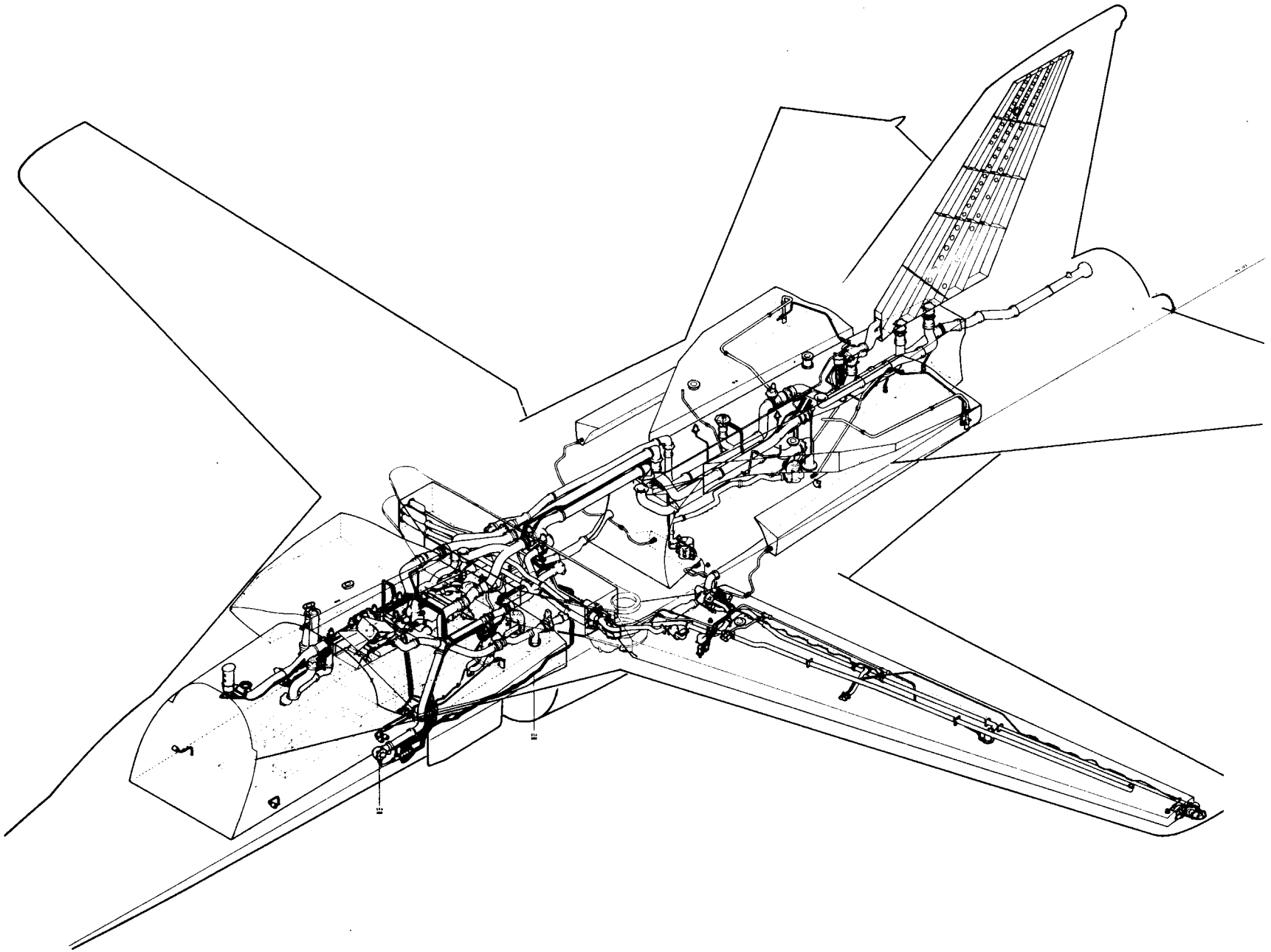


Figure 4-181 FUEL SYSTEM

ST-1025-34-1

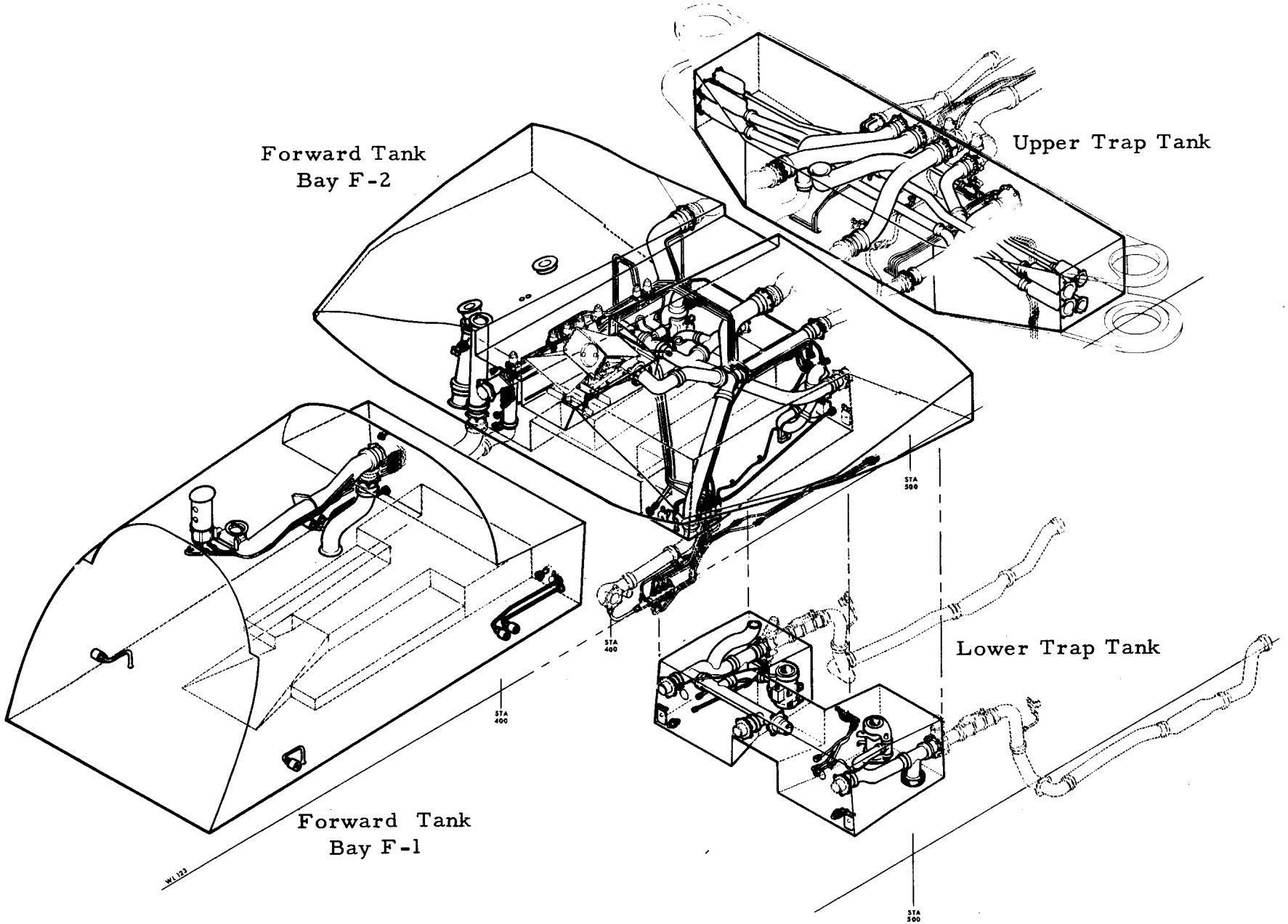


Figure 4-182 FUEL SYSTEM - FORWARD FUSELAGE

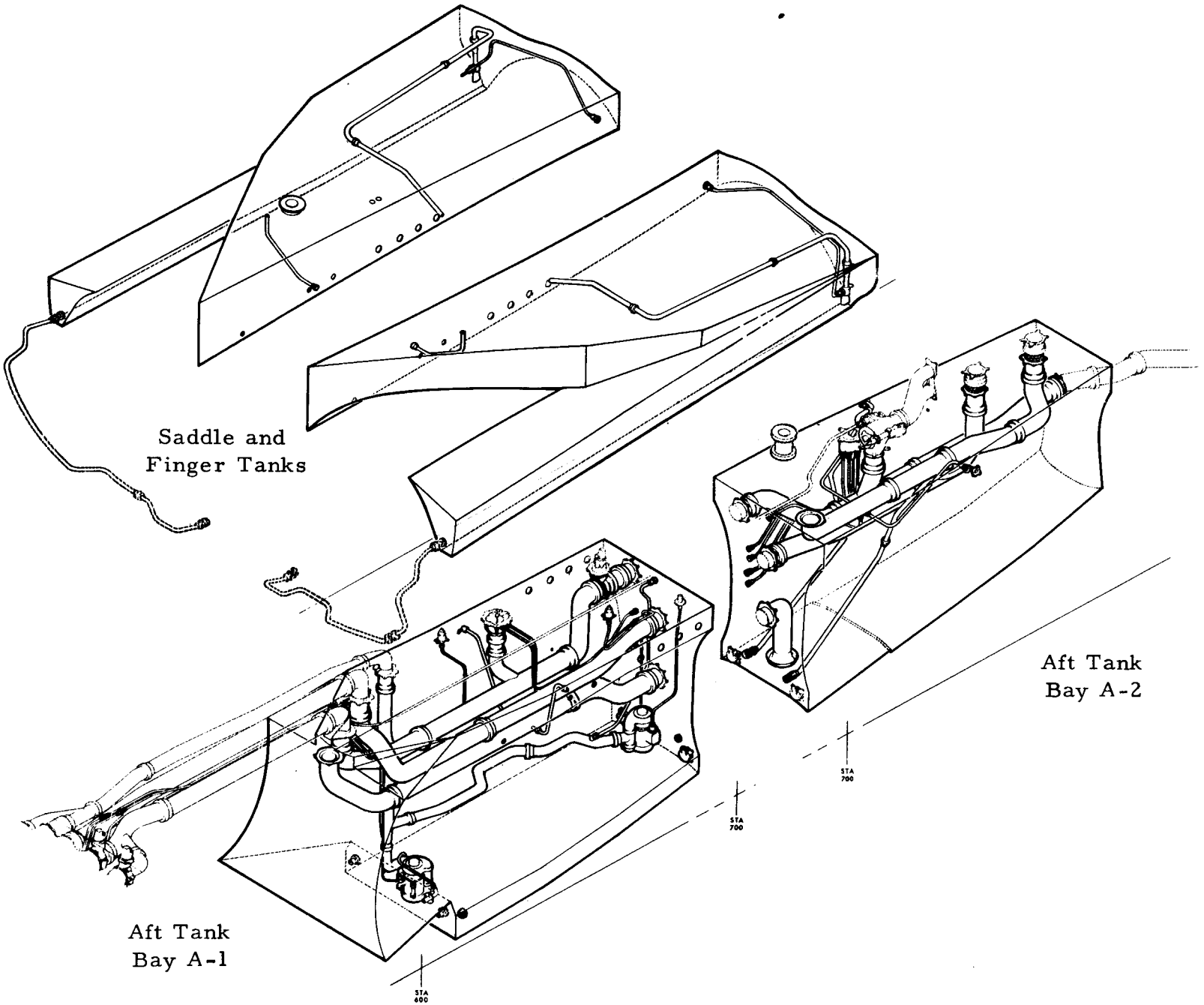


Figure 4-183 FUEL SYSTEM - AFT FUSELAGE

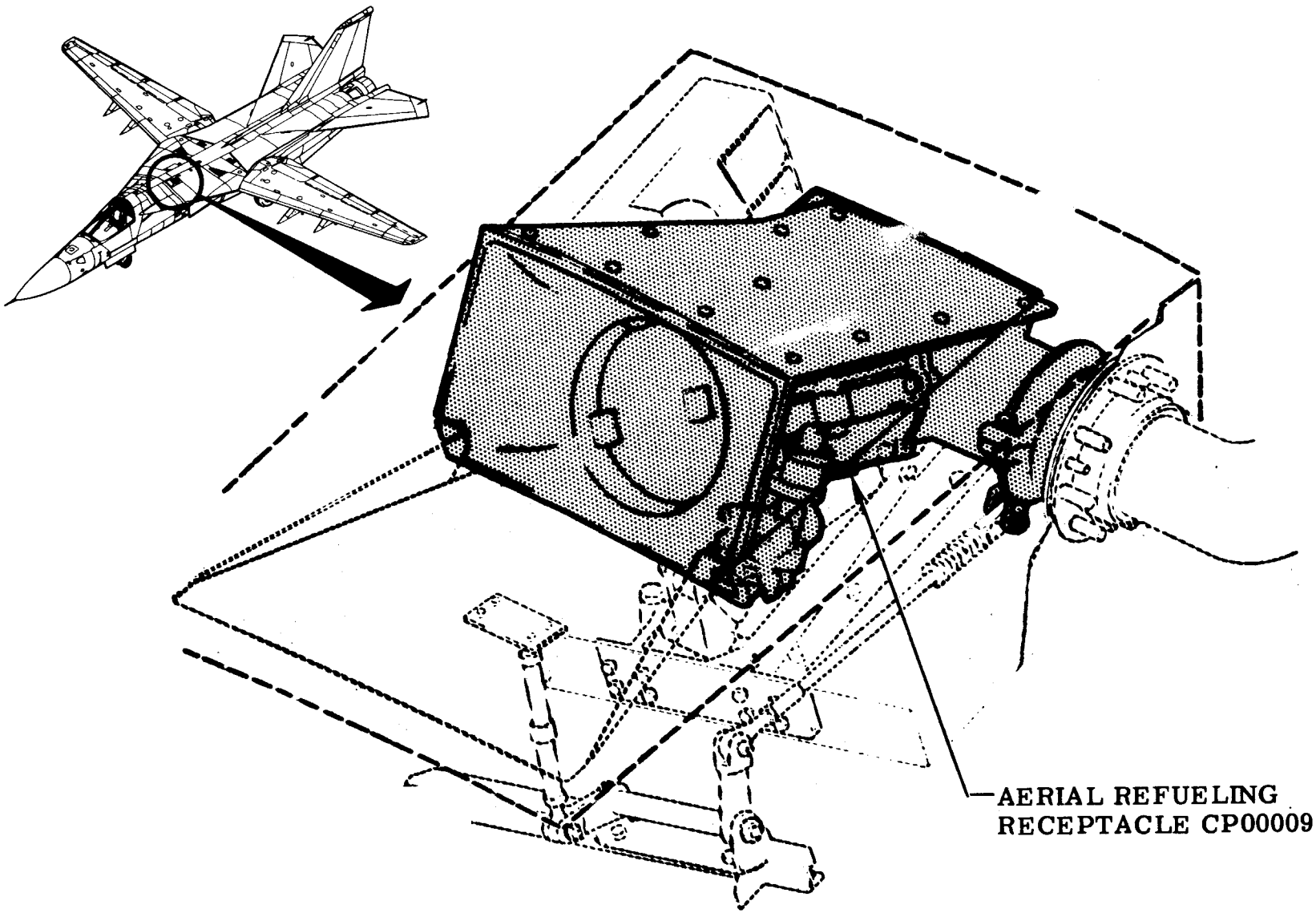


Figure 4-184 AERIAL REFUELING RECEPTACLE

ST-844-6

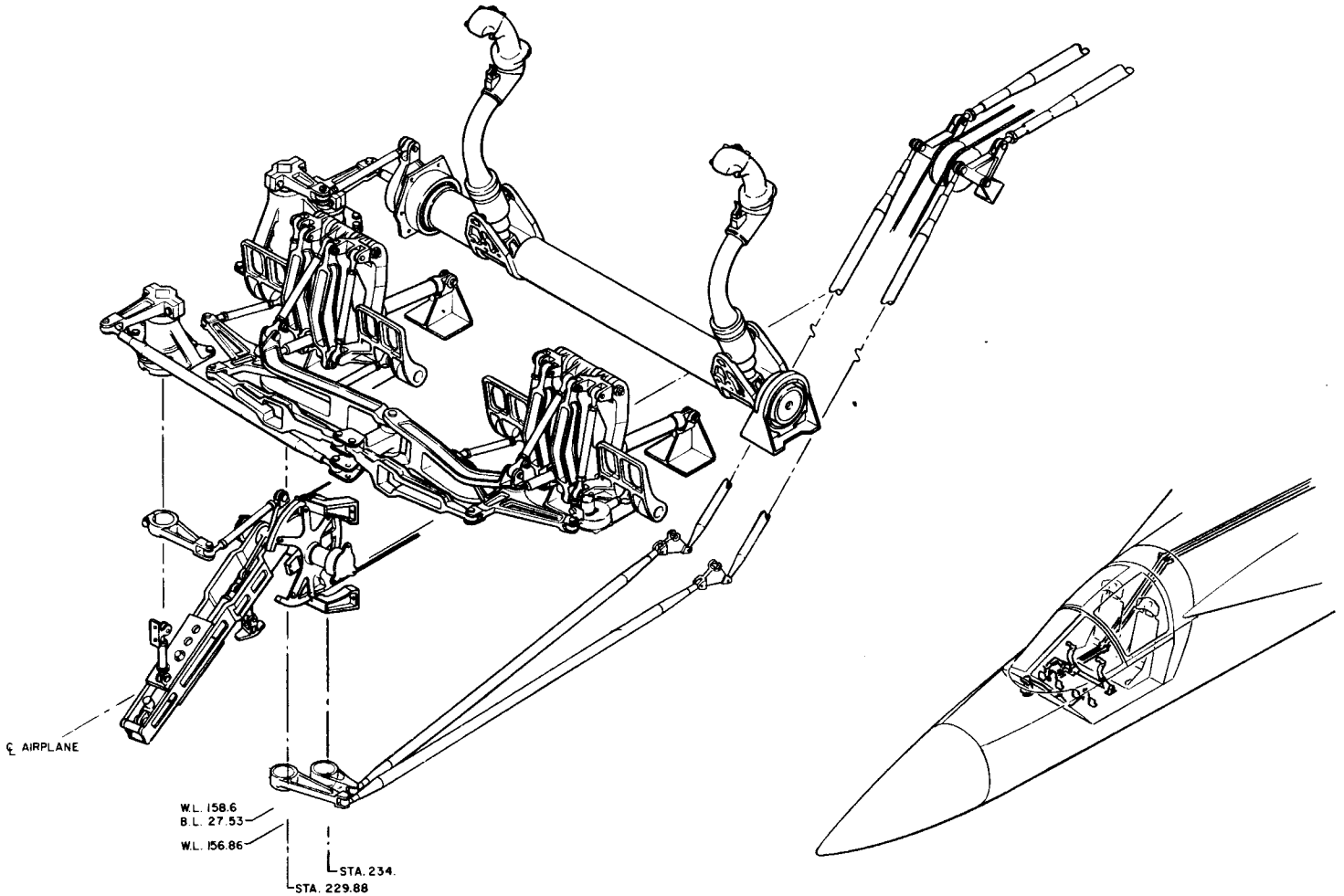


Figure 4-185 FLIGHT CONTROLS - CREW COMPARTMENT

ST-947

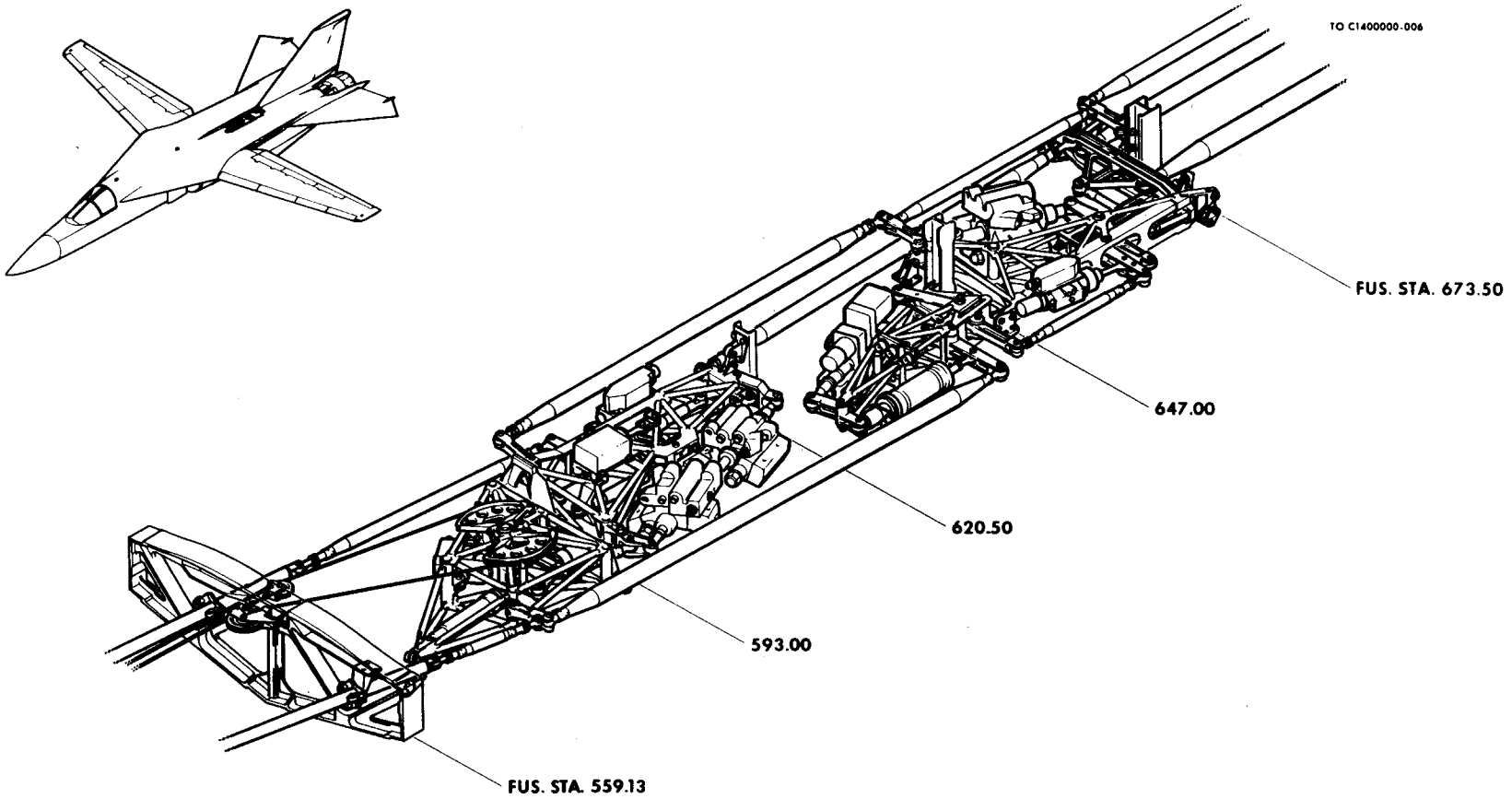


Figure 4-186 PRIMARY FLIGHT CONTROLS - UPPER SHELF

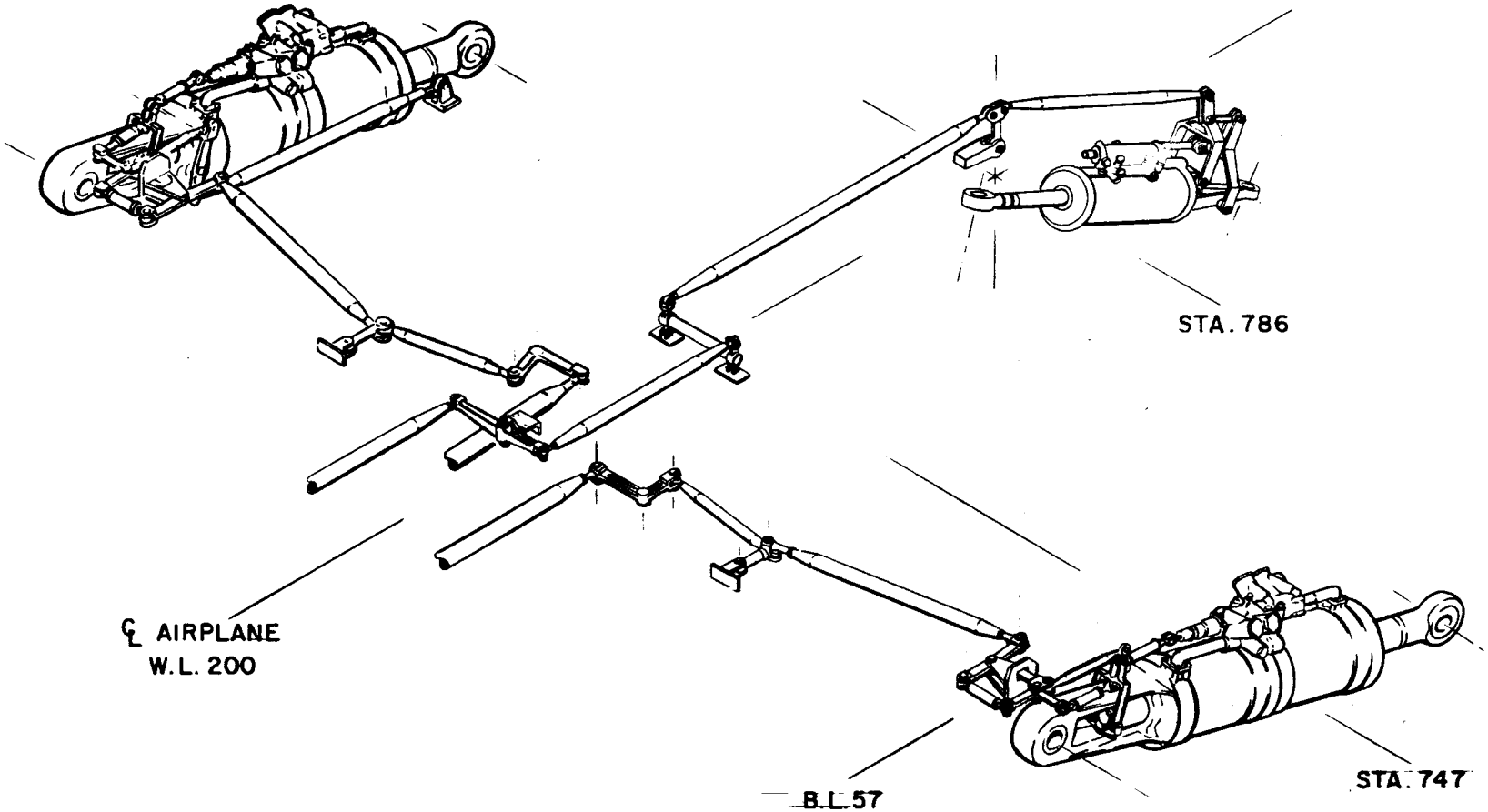


Figure 4-187 PRIMARY FLIGHT CONTROL SYSTEM
HORIZ. STAB. AND RUDDER

ST-946