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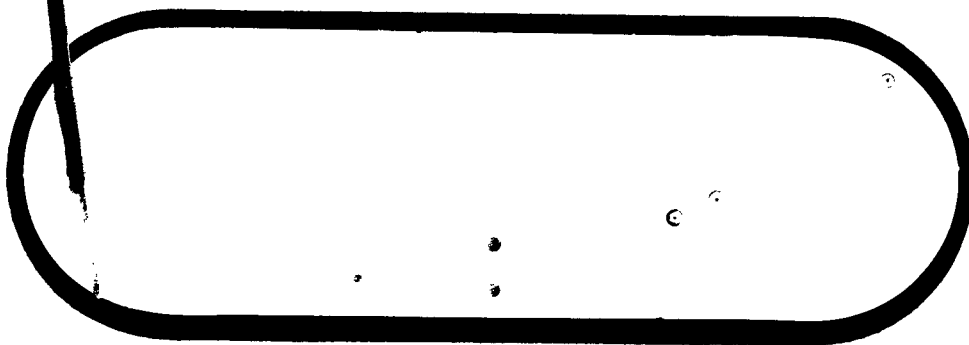
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SUMMARY

This report contains mass property summaries of the Boeing components for a series of Operational Wing II Minuteman missiles. The serialized components included in the data for each missile are those committed to that particular missile during the course of production in Seattle and may not be the ones finally installed during assembly at Air Force Plant 77.

1.0 INTRODUCTION

1.1 REFERENCES

- 1.1.1 BSD Exhibit 62-45, "Mass Properties Control data for WS-133A Dated 3 August 1962."
- 1.1.2 CCN 258 (BSD-63MSN-2597) to AFO4(647)-580 dated 5 October 1962.
- 1.1.3 Boeing Document D2-13943-2, "Flight Article Mass Properties Report for CMI Installations."
- 1.1.4 Boeing Document D2-13944-501, "Flight Article Mass Properties Report for Missile 501 Components."
- 1.1.5 Boeing Document D2-13956-2, "Statistical Means and Dispersions for the Mass Properties of Boeing Components for the Wing II Operational Minuteman Missile June 1, 1963."
- 1.1.6 Boeing Document D2-13947-xxx, "Air Force Plant 77 Flight Article Mass Properties Report for Missile xxx."

1.2 COMPONENT SERIAL NUMBERS

Component serial numbers appear on the data summary sheet for each missile. See pages 11 through 55.

1.3 DISCUSSION

This weight report for the Boeing components of a series of Operational Wing II Minuteman missiles is presented in accordance with section 3.1.1 of BSD Exhibit 62-45 (reference 1.1.1) as authorized by CCN 258 to AFO4(647)-580 (reference 1.1.2). Since the data are to be reported monthly, this report contains data for a series of Wing II missiles whose components were manufactured recently. The report includes actual mass properties for the major components assigned to each missile in the manufacturing records at Seattle. (These may not be the same components finally assembled together at Air Force Plant 77. See reference 1.1.6 for the final configuration). Mean mass properties are used for components other than the interstages, aft skirt, and base heat deflectors since the weights for these remaining items are small. Mean and dispersion back-up data for these items can be found in the latest quarterly means and dispersions report (reference 1.1.5).

The data presented in this report consist of (1) sectional summaries of the total Boeing weight responsibility for each missile covered by this report, (2) a sectional summary of the components whose mean weights are used in lieu of actual weights, (3) summary check lists by missile section, (4) a list of Engineering Change Proposals incorporated on the hardware included in this report, and (5) actual weighing records for the interstages, the aft skirt, and the base heat deflectors.

The actual weighing records for the major components covered by this report can be found in section 6 (pages 65 through 209). In order to limit the size of this report, weighing diagrams and inventory lists have been omitted for all but the first unit of each interstage and skirt since the components have all been weighed in the "complete" condition. However, these records are on file and can be supplied if necessary. The change records found in section 6 are listed in order by serial number for each major component in order to assist in cross referencing the components in case of substitution at a later date.

1.4 CTLI PROVISIONS

The only CTLI provisions incorporated into this report are those components which are installed on every operational missile. The mass properties data for CTLI components which will be added at Vandenberg Air Force Base are reported in reference 1.1.3.

1.5 WEIGHING PROCEDURES

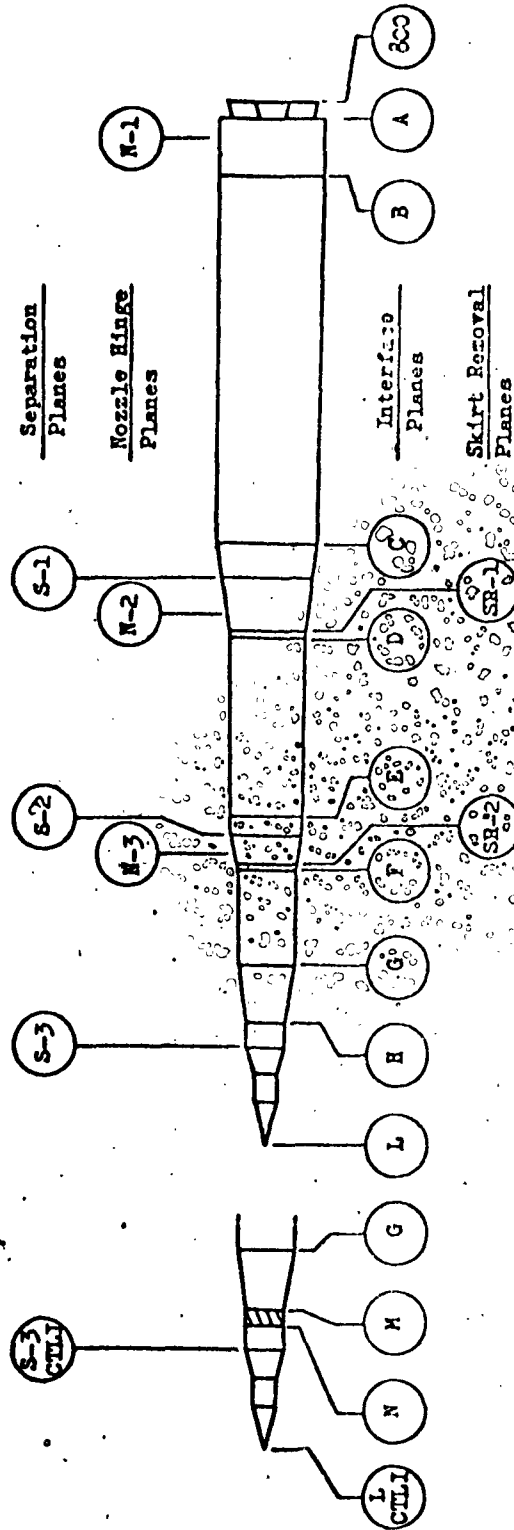
A description of the weighing procedures and an accuracy statement will be found in reference 1.1.4.

1.6 ENGINEERING CHANGE PROPOSAL (ECP) SUMMARY

See page 64 for a list of the ECP's incorporated on the Boeing components covered by this report. The ECP's listed are those not covered by the latest revision to "Model Specification for Guided Missile Main Assemblage (S-133-1000-0-1)" dated 15 March 1963.

WING II OPERATIONAL AND CTLI MISSILE STATION DIAGRAM

2.0



These Missile Stations become 50,000 when converted to Boeing Section Stations.

SEPARATION PLANES	MISSILE STA	INTERFACE PLANES	MISSILE STA
S-1	501.66	A	00781.21
S-2	342.93	B	00714.82
S-3	210.55	C	00825.60
S-3 CTLI	200.53	D	00466.52
SKIRT REMOVAL PLANES		E	00357.58
SR-1	166.97	F	00319.23
SR-2	319.71	G	00257.15
NOZZLE HINGE PLANES		H	00225.95
N-1	770.03	L	01291.80
N-2	1477.32	M	225.95
N-3	327.33	N	215.95
		L CTLI	119.46

Reference

STI Release 9862.6-513

(17 December 1962)

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3.1 MISSILE NO. 739 WEIGHT AND BALANCE SUMMARY MAJOR COMPONENTS S/N 0000249						REPORT NO. _____ DATE _____				
LINE NO.	S.S.	DESCRIPTION	DATA	EXPENDED WEIGHT (LB)	TOTAL WEIGHT (LB)	CENTER OF GRAVITY			INERTIA SLUG FT ² x10 ⁻³	
						LONG.*	LAT.	VERT.	ROLL	PITCH
1	41	RV Spacer								
2			Silo							
3			Aero							
4	39	CTLI Section								
5			Silo							
6			Aero							
7	42	G&C Section			1.02	89.94	100.00	100.00	0	0
8			Silo							
9			Aero							
10	44	3rd Stage Engine			17.65	98.69	106.37	111.27	0	.003
11			Silo	.43		94.95	110.30	117.70	0	0
12			Aero	.80		94.95	110.30	117.70	0	0
13			Base	.20		131.00	100.00	100.00	0	0
14	45	Interstage 2-3 (Fwd)			120.33	59.65	100.13	101.55	.010	.006
15			Silo							
16			Aero							
17			Base	2.81		57.33	107.51	108.65	0	0
18			Silo	1.92		61.11	101.01	101.74	0	0
19		Jettisoned Portion	Aero	3.40		61.52	100.27	100.47	0	0
20			Base							
21			Jett	87.72		61.49	98.96	100.77	.008	.005
22	45	Interstage 2-3 (Aft)			53.62	60.52	99.30	101.42	.006	.003
23			Silo	1.18		80.97	100.50	100.84	0	0
24			Aero	1.18		82.00	103.07	105.23	0	0
25	46	2nd Stage Engine			32.78	146.44	106.00	110.46	.001	.018
26			Silo	.63		99.62	112.30	121.20	0	0
27			Aero	.53		99.62	112.30	121.20	0	0
28			Base	1.80		189.25	100.00	100.00	0	0
29	47	Interstage 1-2 (Fwd)			243.21	67.43	99.50	101.60	.032	.022
30			Silo							
31			Aero							
32			Base	3.10		64.06	112.35	115.53	0	0
33			Silo	4.21		66.61	100.32	100.55	.001	0
34		Jettisoned Portion	Aero	7.56		66.87	100.10	100.17	.001	.001
35			Base	5.40		67.09	100.27	100.76	.001	0
36			Jett	196.47		69.15	98.60	101.07	.028	.018
37	47	Interstage 1-2 (Aft)			129.27	96.90	100.81	99.82	.024	.014
38			Silo	3.37		96.69	100.34	100.59	.001	0
39			Aero	3.41		97.71	101.98	103.41	.001	0
40	48	1st Stage Engine			61.19	226.74	109.97	116.86	.004	.115
41			Silo	2.89		197.41	111.84	120.45	0	.004
42			Aero	1.04		136.60	117.20	129.70	0	.001
43			Base	4.80		309.40	100.00	100.00	0	0
44	49	Skirt			280.59	68.41	100.77	101.12	.064	.039
45			Silo	17.57		68.02	100.35	100.60	.004	.002
46			Aero	3.33		67.80	100.64	101.12	.001	0
47			Base	40.60		69.10	101.70	102.76	.009	.006
48		MISSILE			949.64					
49			Silo	32.20						
50			Aero	21.25						
51			Base	58.71						
52			Jett	286.19						

* Boeing Section Stations (See Missile Station Diagram)
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3.2 MISSILE NO. 740 WEIGHT AND BALANCE SUMMARY MAJOR COMPONENTS S/N 0000230						REPORT NO. _____ DATE _____				
ITEM NO.	SEC.	DESCRIPTION	DATA	EXPENDED WEIGHT (LB)	TOTAL WEIGHT (LB)	CENTER OF GRAVITY			INERTIA SLUG FT ² x10 ⁻³	
						LONG.*	LAT.	VERT.	ROLL	PITCH
1	41	RV Spacer								
2			Silo							
3			Aero							
4	39	CTLI Section								
5			Silo							
6			Aero							
7	42	G&C Section			1.02	60.94	100.00	100.00	0	0
8			Silo							
9			Aero							
10	44	3rd Stage Engine			17.55	98.70	106.40	111.33	0	.003
11			Silo	.43		94.95	110.30	117.70	0	0
12			Aero	.80		94.95	110.30	117.70	0	0
13			Base	.20		131.00	100.00	100.00	0	0
14	45	Interstage 2-3 (Fwd)			119.88	59.72	100.06	101.45	.010	.006
15			Silo							
16			Aero							
17			Base	2.81		57.33	107.51	108.65	0	0
18			Silo	1.92		61.11	101.01	101.74	0	0
19		Jettisoned Portion	Aero	3.40		61.59	100.27	100.47	0	0
20			Base							
21			Jett	87.07		61.60	98.86	100.61	.008	.005
22	45	Interstage 2-3 (Aft)			63.30	60.52	99.30	101.42	.006	.003
23			Silo	1.18		80.97	100.50	100.84	0	0
24			Aero	1.18		82.00	103.07	105.23	0	0
25	46	2nd Stage Engine			32.97	146.71	105.97	110.40	.001	.018
26			Silo	.63		99.62	112.30	121.20	0	0
27			Aero	.53		99.62	112.30	121.20	0	0
28			Base	1.80		189.25	100.00	100.00	0	0
29	47	Interstage 1-2 (Fwd)			243.81	67.20	99.58	101.57	.032	.022
30			Silo							
31			Aero							
32			Base	3.10		64.06	112.35	115.53	0	0
33			Silo	4.21		66.61	100.32	100.55	.001	0
34		Jettisoned Portion	Aero	7.56		66.87	100.10	100.17	.001	.001
35			Base	5.40		67.09	100.27	100.76	.001	0
36			Jett	192.07		63.86	98.71	101.04	.028	.018
37	47	Interstage 1-2 (Aft)			129.62	96.93	100.81	99.82	.024	.014
38			Silo	3.37		96.69	100.34	100.59	.001	0
39			Aero	3.41		97.71	101.98	103.41	.001	0
40	48	1st Stage Engine			61.62	227.38	109.90	116.74	.004	.115
41			Silo	2.89		190.41	111.84	120.45	0	.004
42			Aero	1.04		136.60	117.20	129.70	0	.001
43			Base	4.80		309.40	100.00	100.00	0	0
44	49	Skirt			281.74	68.51	101.01	101.13	.064	.039
45			Silo	17.57		68.02	100.35	100.60	.004	.002
46			Aero	3.33		67.80	100.64	101.12	.001	0
47			Base	40.60		69.10	101.70	102.76	.009	.006
48		MISSILE			951.51					
49			Silo	32.20						
50			Aero	21.25						
51			Base	58.71						
52			Jett	286.34						

* Boeing Section Stations (See Missile Station Diagram)
2-5550-0-58

3.3 MISSILE NO. 741 WEIGHT AND BALANCE SUMMARY MAJOR COMPONENTS S/N 0009240						REPORT NO. _____ DATE _____				
LINE	S/N	DESCRIPTION	DATA	EXPENDED WEIGHT (LB)	TOTAL WEIGHT (LB)	CENTER OF GRAVITY			INERTIA SLUG FT ² x10 ⁻³	
						LONG.*	LAT.	VERT.	ROLL	PITCH
1	41	RV Spacer								
2			Silo							
3			Aero							
4	39	CTLI Section								
5			Silo							
6			Aero							
7	42	G&C Section			1.02	80.94	100.00	100.00	0	0
8			Silo							
9			Aero							
10	44	3rd Stage Engine			17.56	93.72	106.40	111.33	0	.003
11			Silo	.43		94.95	110.30	117.70	0	0
12			Aero	.80		94.95	110.30	117.70	0	0
13			Base	.20		131.00	100.00	100.00	0	0
14	45	Interstage 2-3 (Fwd)			120.24	59.99	103.17	101.54	.010	.006
15			Silo							
16			Aero							
17			Base	2.81		57.33	107.51	108.65	0	0
18			Silo	1.92		61.11	101.01	101.74	0	0
19		Jettisoned Portion	Aero	3.40		61.59	100.27	100.47	0	0
20			Base							
21			Jett	87.63		61.97	99.01	100.74	.008	.005
22	45	Interstage 2-3 (Aft)			63.54	63.59	99.30	101.42	.006	.003
23			Silo	1.18		82.97	100.50	100.84	0	0
24			Aero	1.18		82.00	103.07	105.23	0	0
25	46	2nd Stage Engine			32.87	146.57	105.99	110.43	.001	.018
26			Silo	.63		99.62	112.30	121.20	0	0
27			Aero	.53		99.62	112.30	121.20	0	0
28			Base	1.80		189.25	100.00	100.00	0	0
29	47	Interstage 1-2 (Fwd)			243.56	67.14	99.63	101.57	.032	.022
30			Silo							
31			Aero							
32			Base	3.10		64.06	112.35	115.53	0	0
33			Silo	4.21		66.61	100.32	100.55	.001	0
34		Jettisoned Portion	Aero	7.56		66.87	100.10	100.17	.001	.001
35			Base	5.40		67.09	100.27	100.76	.001	0
36			Jett	193.82		68.80	98.76	101.04	.028	.018
37	47	Interstage 1-2 (Aft)			129.47	96.90	100.81	99.82	.024	.014
38			Silo	3.37		96.60	100.34	100.59	.001	0
39			Aero	3.41		97.71	101.98	103.41	.001	0
40	48	1st Stage Engine			61.50	227.20	109.92	116.78	.004	.115
41			Silo	2.89		190.41	111.84	120.45	0	.004
42			Aero	1.04		136.60	117.20	129.70	0	.001
43			Base	4.80		309.40	100.00	100.00	0	0
44	49	Skirt			261.84	68.47	100.94	101.07	.064	.039
45			Silo	17.57		68.02	100.35	100.60	.004	.002
46			Aero	3.33		67.80	100.64	101.12	.001	0
47			Base	40.60		69.10	101.70	102.76	.009	.006
48		MISSILE			951.60					
49			Silo	32.20						
50			Aero	21.25						
51			Base	58.71						
52			Jett	286.45						

* Boeing Section Stations (See Missile Station Diagram)
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3.4 MISSILE NO. 742 WEIGHT AND BALANCE SUMMARY MAJOR COMPONENTS S/N 0000250						REPORT NO. _____ DATE _____				
LINE	SEC.	DESCRIPTION	DATA	EXPENDED WEIGHT (LB)	TOTAL WEIGHT (LB)	CENTER OF GRAVITY			INERTIA SLUG FT ² x10 ⁻³	
						LONG.*	LAT.	VERT.	ROLL	PITCH
1	41	RV Spacer								
2			Silo							
3			Aero							
4	39	CTLI Section								
5			Silo							
6			Aero							
7	42	G&C Section			1.02	80.94	100.00	100.00	0	0
8			Silo							
9			Aero							
10	44	3rd Stage Engine			17.62	98.83	106.38	111.29	0	.003
11			Silo	.43		94.95	110.30	117.70	0	0
12			Aero	.80		94.95	110.30	117.70	0	0
13			Base	.20		131.00	100.00	100.00	0	0
14	45	Interstage 2-3 (Fwd)			120.45	59.83	100.16	101.56	.010	.006
15			Silo							
16			Aero							
17			Base	2.81		57.33	107.51	108.65	0	0
18			Silo	1.92		61.11	101.01	101.74	0	0
19		Jettisoned	Aero	3.40		61.59	100.27	100.47	0	0
20		Portion	Base							
21			Jett	87.84		61.74	99.00	100.77	.008	.005
22	45	Interstage 2-3 (Aft)			63.68	80.59	99.30	101.42	.006	.003
23			Silo	1.18		82.97	100.50	100.84	0	0
24			Aero	1.18		82.00	103.07	105.23	0	0
25	46	2nd Stage Engine			32.87	146.57	105.99	110.43	.001	.018
26			Silo	.63		99.62	112.30	121.20	0	0
27			Aero	.53		99.62	112.30	121.20	0	0
28			Base	1.80		139.25	100.00	100.00	0	0
29	47	Interstage 1-2 (Fwd)			243.97	67.33	99.73	101.38	.032	.022
30			Silo							
31			Aero							
32			Base	3.10		64.06	112.35	115.53	0	0
33			Silo	4.21		66.61	100.32	100.55	.001	0
34		Jettisoned	Aero	7.56		66.87	100.10	100.17	.001	.001
35		Portion	Base	5.40		67.09	100.27	100.76	.001	0
36			Jett	199.23		67.04	98.90	100.80	.028	.018
37	47	Interstage 1-2 (Aft)			129.71	96.90	100.81	99.82	.024	.014
38			Silo	3.37		96.69	100.34	100.59	.001	0
39			Aero	3.41		97.71	101.98	103.41	.001	0
40	48	1st Stage Engine			61.59	227.34	109.91	116.75	.004	.115
41			Silo	2.89		190.41	111.84	120.45	0	.004
42			Aero	1.04		136.60	117.20	129.70	0	.001
43			Base	4.80		309.40	100.00	100.00	0	0
44	49	Skirt			281.49	68.46	100.74	101.17	.064	.039
45			Silo	17.57		68.02	100.35	100.60	.004	.002
46			Aero	3.33		67.80	100.64	101.12	.001	0
47			Base	40.60		69.10	101.70	102.76	.009	.006
48		MISSILE			952.40					
49			Silo	32.20						
50			Aero	21.25						
51			Base	58.71						
52			Jett	287.07						

* Boeing Section Stations (See Missile Station Diagram)
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3.5 MISSILE NO. 743 WEIGHT AND BALANCE SUMMARY MAJOR COMPONENTS S/N 0000255						REPORT NO. _____ DATE _____				
LINE	SS	DESCRIPTION	DATA	EXPENDED WEIGHT (LB)	TOTAL WEIGHT (LB)	CENTER OF GRAVITY			INERTIA SLUG FT ² x10 ⁻³	
						LONG.*	LAT.	VERT.	ROLL	PITCH
1	41	RV Spacer								
2			Silo							
3			Aero							
4	39	CTLI Section								
5			Silo							
6			Aero							
7	42	G&C Section			1.02	80.94	100.00	100.00	0	0
8			Silo							
9			Aero							
10	44	3rd Stage Engine			17.61	98.81	106.37	111.30	0	.003
11			Silo	.43		94.95	110.30	117.70	0	0
12			Aero	.80		94.95	110.30	117.70	0	0
13			Base	.20		131.00	100.00	100.00	0	0
14	45	Interstage 2-3			120.48	59.70	100.22	101.58	.010	.006
15		(Fwd)	Silo							
16			Aero							
17			Base	2.81		57.33	107.51	108.65	0	0
18			Silo	1.92		61.11	101.01	101.74	0	0
19		Jettisoned	Aero	3.40		61.59	100.27	100.47	0	0
20		Portion	Base							
21			Jett	87.87		61.56	99.09	100.79	.008	.005
22	45	Interstage 2-3			63.70	80.59	99.30	101.42	.006	.003
23		(Aft)	Silo	1.18		82.97	100.50	100.84	0	0
24			Aero	1.18		82.00	103.07	105.23	0	0
25	46	2nd Stage Engine			32.85	146.54	105.99	110.44	.001	.018
26			Silo	.63		99.62	112.30	121.20	0	0
27			Aero	.53		99.62	112.30	121.20	0	0
28			Base	1.80		189.25	100.00	100.00	0	0
29	47	Interstage 1-2			243.97	67.10	99.63	101.42	.032	.022
30		(Fwd)	Silo							
31			Aero							
32			Base	3.10		64.06	112.35	115.53	0	0
33			Silo	4.21		66.61	100.32	100.55	.001	0
34		Jettisoned	Aero	7.56		66.87	100.10	100.17	.001	.001
35		Portion	Base	5.40		67.09	100.27	100.76	.001	0
36			Jett	199.23		68.74	98.75	100.85	.028	.018
37	47	Interstage 1-2			129.71	96.90	100.81	99.82	.024	.014
38		(Aft)	Silo	3.37		96.69	100.34	100.59	.001	0
39			Aero	3.41		97.71	101.98	103.41	.001	0
40	48	1st Stage Engine			61.47	227.16	109.93	116.78	.004	.115
41			Silo	2.89		190.41	111.84	120.45	0	.004
42			Aero	1.04		136.60	117.20	129.70	0	.001
43			Base	4.80		309.40	100.00	100.00	0	0
44	49	Skirt			279.14	68.56	100.89	101.04	.064	.039
45			Silo	17.57		68.02	100.35	100.60	.004	.002
46			Aero	3.33		67.80	100.64	101.12	.001	0
47			Base	40.60		69.10	101.70	102.76	.009	.006
48		MISSILE			949.95					
49			Silo	32.20						
50			Aero	21.25						
51			Base	58.71						
52			Jett	287.10						

* Boeing Section Stations (See Missile Station Diagram)
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3.6 MISSILE NO. 744 WEIGHT AND BALANCE SUMMARY MAJOR COMPONENTS S/N 0000241						REPORT NO. _____ DATE _____				
LINE	SS.	DESCRIPTION	DATA	EXPENDED WEIGHT (LB)	TOTAL WEIGHT (LB)	CENTER OF GRAVITY			INERTIA SLUG FT ² ×10 ⁻³	
						LONG.*	LAT.	VERT.	ROLL	PITCH
1	41	RV Spacer								
2			Silo							
3			Aero							
4	39	CTLI Section								
5			Silo							
6			Aero							
7	42	G&C Section			1.02	80.94	100.00	100.00	0	0
8			Silo							
9			Aero							
10	44	3rd Stage Engine			17.63	98.85	106.37	111.28	0	.003
11			Silo	.43		94.95	112.30	117.70	0	0
12			Aero	.80		94.95	110.30	117.70	0	0
13			Base	.20		131.00	100.00	100.00	0	0
14	45	Interstage 2-3 (Fwd)			119.91	59.85	100.09	101.67	.010	.006
15			Silo							
16			Aero							
17			Base	2.81		57.33	107.51	108.65	0	0
18			Silo	1.92		61.11	101.01	101.74	0	0
19		Jettisoned	Aero	3.40		61.59	100.27	100.47	0	0
20		Portion	Base							
21			Jett	87.30		61.78	98.90	100.92	.008	.005
22	45	Interstage 2-3 (Aft)			63.32	60.59	99.30	101.42	.006	.003
23			Silo	1.18		80.77	100.50	100.84	0	0
24			Aero	1.18		82.00	103.07	105.23	0	0
25	46	2nd Stage Engine			32.71	146.34	106.01	110.48	.001	.018
26			Silo	.63		99.62	112.30	121.20	0	0
27			Aero	.53		99.62	112.30	121.20	0	0
28			Base	1.80		189.25	100.00	100.00	0	0
29	47	Interstage 1-2 (Fwd)			243.69	67.03	99.65	101.42	.032	.022
30			Silo							
31			Aero							
32			Base	3.10		64.06	112.35	115.53	0	0
33			Silo	4.21		66.61	100.32	100.55	.001	0
34		Jettisoned	Aero	7.56		66.87	100.10	100.17	.001	.001
35		Portion	Base	5.40		67.09	100.27	100.76	.001	0
36			Jett	198.95		68.66	98.79	100.85	.028	.018
37	47	Interstage 1-2 (Aft)			129.74	96.90	100.81	99.82	.024	.014
38			Silo	3.37		96.69	100.34	100.59	.001	0
39			Aero	3.41		97.71	101.98	103.41	.001	0
40	48	1st Stage Engine			61.65	227.42	109.90	116.73	.004	.115
41			Silo	2.89		190.41	111.84	120.45	0	.004
42			Aero	1.04		136.60	117.20	129.70	0	.001
43			Base	4.80		309.40	100.00	100.00	0	0
44	49	Skirt			280.54	68.34	100.82	101.07	.064	.039
45			Silo	17.57		68.02	100.35	100.60	.004	.002
46			Aero	3.33		67.80	100.64	101.12	.001	0
47			Base	40.60		69.10	101.70	102.76	.009	.006
48		MISSILE			950.01					
49			Silo	32.20						
50			Aero	21.25						
51			Base	58.71						
52			Jett	286.25						

* Boeing Section Stations (See Missile Station Diagram)
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3.7 MISSILE NO. 746 WEIGHT AND BALANCE SUMMARY MAJOR COMPONENTS S/N 0000251						REPORT NO. _____ DATE _____				
LINE	SSC	DESCRIPTION	DATA	EXPENDED WEIGHT (LB)	TOTAL WEIGHT (LB)	CENTER OF GRAVITY			INERTIA SLUG FT ² x10 ⁻³	
						LONG.*	LAT.	VERT.	ROLL	PITCH
1	41	RV Spacer								
2			Silo							
3			Aero							
4	39	CTLI Section								
5			Silo							
6			Aero							
7	42	G&C Section			1.02	89.94	100.00	100.00	0	0
8			Silo							
9			Aero							
10	44	3rd Stage Engine			17.62	98.83	106.38	111.29	0	.003
11			Silo	.43		94.95	110.30	117.70	0	0
12			Aero	.80		94.95	110.30	117.70	0	0
13			Base	.20		131.00	100.00	100.00	0	0
14	45	Interstage 2-3 (Fwd)			119.97	59.92	100.21	101.51	.010	.006
15			Silo							
16			Aero							
17			Base	2.81		57.33	107.51	108.65	0	0
18			Silo	1.92		61.11	101.01	101.74	0	0
19		Jettisoned	Aero	3.40		61.52	100.27	100.47	0	0
20		Portion	Base							
21			Jett	87.36		61.87	99.07	100.70	.008	.005
22	45	Interstage 2-3 (Aft)			63.35	80.52	99.30	101.42	.006	.003
23			Silo	1.18		80.97	100.50	100.84	0	0
24			Aero	1.18		82.00	103.07	105.23	0	0
25	46	2nd Stage Engine			33.09	146.88	105.95	110.36	.001	.018
26			Silo	.63		99.62	112.30	121.20	0	0
27			Aero	.53		99.62	112.30	121.20	0	0
28			Base	1.80		189.25	100.00	100.00	0	0
29	47	Interstage 1-2 (Fwd)			243.56	67.24	99.45	101.70	.032	.022
30			Silo							
31			Aero							
32			Base	3.10		64.06	112.35	115.53	0	0
33			Silo	4.21		66.61	100.32	100.55	.001	0
34		Jettisoned	Aero	7.56		66.87	100.10	100.17	.001	.001
35		Portion	Base	5.40		67.09	100.27	100.76	.001	0
36			Jett	193.82		68.92	98.54	101.19	.028	.018
37	47	Interstage 1-2 (Aft)			129.47	90.90	100.81	99.82	.024	.014
38			Silo	3.37		96.69	100.34	100.59	.001	0
39			Aero	3.41		97.71	101.98	103.41	.001	0
40	48	1st Stage Engine			61.52	227.23	109.92	116.77	.004	.115
41			Silo	2.89		190.41	111.84	120.45	0	.004
42			Aero	1.04		136.60	117.20	129.70	0	.001
43			Base	4.80		309.40	100.00	100.00	0	0
44	49	Skirt			279.54	68.43	100.86	101.08	.064	.039
45			Silo	17.57		68.02	100.35	100.60	.004	.002
46			Aero	3.33		67.80	100.64	101.12	.001	0
47			Base	40.60		69.10	101.70	102.76	.009	.006
48		MISSILE			949.15					
49			Silo	32.20						
50			Aero	21.25						
51			Base	58.71						
52			Jett	286.18						

* Boeing Section Stations (See Missile Station Diagram)
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3.8 MISSILE NO. 747 WEIGHT AND BALANCE SUMMARY MAJOR COMPONENTS S/N 0000256						REPORT NO. _____ DATE: _____				
LINE	SEC.	DESCRIPTION	DATA	EXPENDED WEIGHT (LB)	TOTAL WEIGHT (LB)	CENTER OF GRAVITY			INERTIA SLUG FT ² ×10-3	
						LONG. *	LAT.	VERT.	ROLL	PITCH
1	41	RV Spacer								
2			Silo							
3			Aero							
4	39	CTLI Section								
5			Silo							
6			Aero							
7	42	G&C Section			1.02	89.94	100.00	100.00	0	0
8			Silo							
9			Aero							
10	44	3rd Stage Engine			17.59	98.77	106.39	111.31	0	.003
11			Silo	.43		94.95	110.30	117.70	0	0
12			Aero	.80		94.95	110.30	117.70	0	0
13			Base	.20		131.00	100.00	100.00	0	0
14	45	Interstage 2-3			120.12	59.93	100.09	101.63	.010	.006
15		(Fwd)	Silo							
16			Aero							
17			Base	2.81		57.33	107.51	108.65	0	0
18			Silo	1.92		61.11	101.01	101.74	0	0
19		Jettisoned	Aero	3.40		61.59	100.27	100.47	0	0
20		Portion	Base							
21			Jett	87.51		61.88	98.90	100.87	.008	.005
22	45	Interstage 2-3			63.46	82.59	99.30	101.42	.006	.003
23		(Aft)	Silo	1.18		82.97	100.50	100.84	0	0
24			Aero	1.18		82.00	103.07	105.23	0	0
25	46	2nd Stage Engine			32.80	146.47	106.00	110.45	.001	.018
26			Silo	.63		99.62	112.30	121.20	0	0
27			Aero	.53		99.62	112.30	121.20	0	0
28			Base	1.80		189.25	100.00	100.00	0	0
29	47	Interstage 1-2			243.47	67.41	99.37	101.65	.032	.022
30		(Fwd)	Silo							
31			Aero							
32			Base	3.10		64.06	112.35	115.53	0	0
33			Silo	4.21		66.61	100.32	100.55	.001	0
34		Jettisoned	Aero	7.56		66.87	100.10	100.17	.001	.001
35		Portion	Base	5.40		67.09	100.27	100.76	.001	0
36			Jett	198.73		69.12	98.45	101.12	.028	.018
37	47	Interstage 1-2			129.66	96.90	100.81	99.82	.024	.014
38		(Aft)	Silo	3.37		96.69	100.34	100.59	.001	0
39			Aero	3.41		97.71	101.98	103.41	.001	0
40	48	1st Stage Engine			61.53	227.25	109.92	116.77	.004	.115
41			Silo	2.89		190.41	111.84	120.45	0	.004
42			Aero	1.04		136.60	117.20	129.70	0	.001
43			Base	4.80		309.40	100.00	100.00	0	0
44	49	Skirt			280.14	67.56	100.93	100.96	.064	.039
45			Silo	17.57		68.02	100.35	100.60	.004	.002
46			Aero	3.33		67.80	100.64	101.12	.001	0
47			Base	40.60		69.10	101.70	102.76	.009	.006
48		MISSILE			949.79					
49			Silo	32.20						
50			Aero	21.25						
51			Base	58.71						
52			Jett	286.24						

* Boeing Section Stations (See Missile Station Diagram)
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3.9 MISSILE NO. 748 WEIGHT AND BALANCE SUMMARY MAJOR COMPONENTS S/N 0000242						REPORT NO. _____ DATE _____				
LINE	SEC.	DESCRIPTION	DATA	EXPENDED WEIGHT (LB)	TOTAL WEIGHT (LB)	CENTER OF GRAVITY			INERTIA SLUG FT ² x10 ⁻³	
						LONG.*	LAT.	VERT.	ROLL	PITCH
1	41	RV Spacer								
2			Silo							
3			Aero							
4	39	CTLI Section								
5			Silo							
6			Aero							
7	42	G&C Section			1.02	80.94	100.00	100.00	0	0
8			Silo							
9			Aero							
10	44	3rd Stage Engine			17.62	93.83	106.38	111.29	0	.003
11			Silo	.43		94.95	110.30	117.70	0	0
12			Aero	.80		94.95	110.30	117.70	0	0
13			Base	.20		131.00	100.00	100.00	0	0
14	45	Interstage 2-3 (Fwd)			120.42	59.86	100.25	101.42	.010	.006
15			Silo							
16			Aero							
17			Base	2.81		57.33	107.51	108.65	0	0
18			Silo	1.92		61.11	101.01	101.74	0	0
19		Jettisoned Portion	Aero	3.40		61.59	100.27	100.47	0	0
20			Base							
21			Jett	87.81		61.78	99.13	100.57	.008	.005
22	45	Interstage 2-3 (Aft)			63.66	80.59	99.30	101.42	.006	.003
23			Silo	1.18		82.97	100.50	100.84	0	0
24			Aero	1.18		82.00	103.07	105.23	0	0
25	46	2nd Stage Engine			32.81	146.49	106.00	110.45	.001	.018
26			Silo	.63		99.62	112.30	121.20	0	0
27			Aero	.53		99.62	112.30	121.20	0	0
28			Base	1.80		189.25	100.00	100.00	0	0
29	47	Interstage 1-2 (Fwd)			243.05	67.30	99.45	101.68	.032	.022
30			Silo							
31			Aero							
32			Base	3.10		64.06	112.35	115.53	0	0
33			Silo	4.21		66.61	100.32	100.55	.001	0
34		Jettisoned Portion	Aero	7.56		66.87	100.10	100.17	.001	.001
35			Base	5.40		67.09	100.27	100.76	.001	0
36			Jett	198.31		69.00	98.54	101.16	.028	.018
37	47	Interstage 1-2 (Aft)			129.18	96.90	100.81	99.82	.024	.014
38			Silo	3.37		96.69	100.34	100.59	.001	0
39			Aero	3.41		97.71	101.98	103.41	.001	0
40	48	1st Stage Engine			61.41	227.06	109.93	116.80	.004	.115
41			Silo	2.89		190.41	111.84	120.45	0	.004
42			Aero	1.04		136.60	117.20	129.70	0	.001
43			Base	4.80		309.40	100.00	100.00	0	0
44	49	Skirt			282.14	68.41	100.75	101.06	.064	.039
45			Silo	17.57		68.02	100.35	100.60	.004	.002
46			Aero	3.33		67.80	100.64	101.12	.001	0
47			Base	40.60		69.10	101.70	102.76	.009	.006
48		MISSILE			951.31					
49			Silo	32.20						
50			Aero	21.25						
51			Base	58.71						
52			Jett	286.12						

* Boeing Section Stations (See Missile Station Diagram)
2-5550-0-58

3.10 MISSILE NO. 749 WEIGHT AND BALANCE SUMMARY MAJOR COMPONENTS S/N 0000252						REPORT NO. _____ DATE _____				
LINE	ITEM	DESCRIPTION	DATA	EXPENDED WEIGHT (LB)	TOTAL WEIGHT (LB)	CENTER OF GRAVITY			INERTIA SLUG FT ² x10 ⁻³	
						LONG.*	LAT.	VERT.	ROLL	PITCH
1	41	RV Spacer								
2			Silo							
3			Aero							
4	39	CTLI Section								
5			Silo							
6			Aero							
7	42	G&C Section			1.02	80.94	100.00	100.00	0	0
8			Silo							
9			Aero							
10	44	3rd Stage Engine			17.56	93.72	106.40	111.33	0	.003
11			Silo	.43		94.95	110.30	117.70	0	0
12			Aero	.80		94.95	110.30	117.70	0	0
13			Base	.20		131.00	100.00	100.00	0	0
14	45	Interstage 2-3 (Fwd)			120.42	59.88	100.13	101.58	.010	.006
15			Silo							
16			Aero							
17			Base	2.81		57.33	107.51	108.65	0	0
18			Silo	1.92		61.11	101.01	101.74	0	0
19		Jettisoned	Aero	3.40		61.59	100.27	100.47	0	0
20		Portion	Base							
21			Jett	87.81		61.79	98.96	100.79	.008	.005
22	45	Interstage 2-3 (Aft)			63.66	80.59	99.30	101.42	.006	.003
23			Silo	1.18		80.97	100.50	100.84	0	0
24			Aero	1.18		82.00	103.07	105.23	0	0
25	46	2nd Stage Engine			32.98	146.72	105.97	110.40	.001	.018
26			Silo	.63		99.62	112.30	121.20	0	0
27			Aero	.53		99.62	112.30	121.20	0	0
28			Base	1.80		189.25	100.00	100.00	0	0
29	47	Interstage 1-2 (Fwd)			241.92	67.19	99.40	101.73	.032	.022
30			Silo							
31			Aero							
32			Base	3.10		64.06	112.35	115.53	0	0
33			Silo	4.21		66.61	100.32	100.55	.001	0
34		Jettisoned	Aero	7.56		66.87	100.10	100.17	.001	.001
35		Portion	Base	5.40		67.09	100.27	100.76	.001	0
36			Jett	197.18		68.85	98.48	101.22	.028	.018
37	47	Interstage 1-2 (Aft)			126.51	95.90	100.81	99.82	.024	.014
38			Silo	3.37		96.69	100.34	100.59	.001	0
39			Aero	3.41		97.71	101.98	103.41	.001	0
40	48	1st Stage Engine			61.35	226.98	109.95	116.82	.004	.115
41			Silo	2.89		190.41	111.84	120.45	0	.004
42			Aero	1.04		136.60	117.20	129.70	0	.001
43			Base	4.80		309.40	100.00	100.00	0	0
44	49	Skirt			279.74	68.23	100.97	101.04	.064	.039
45			Silo	17.57		68.02	100.35	100.60	.004	.002
46			Aero	3.33		67.80	100.64	101.12	.001	0
47			Base	40.60		69.10	101.70	102.76	.009	.006
48		MISSILE			947.16					
49			Silo	32.20						
50			Aero	21.25						
51			Base	58.71						
52			Jett	284.99						

* Boeing Section Stations (See Missile Station Diagram)
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3.11 MISSILE NO. 750 WEIGHT AND BALANCE SUMMARY MAJOR COMPONENTS S/N 0000257						REPORT NO. _____ DATE _____				
LINE	SEC.	DESCRIPTION	DATA	EXPENDED WEIGHT (LB)	TOTAL WEIGHT (LB)	CENTER OF GRAVITY			INERTIA SLUG FT ² X10-3	
						LONG.*	LAT.	VERT.	ROLL	PITCH
1	41	RV Spacer								
2			Silo							
3			Aero							
4	39	CTLI Section								
5			Silo							
6			Aero							
7	42	G&C Section			1.02	80.94	100.00	100.00	0	0
8			Silo							
9			Aero							
10	44	3rd Stage Engine			17.64	98.67	106.37	111.28	0	.003
11			Silo	.43		94.95	110.30	117.70	0	0
12			Aero	.80		94.95	110.30	117.70	0	0
13			Base	.20		131.00	100.00	100.00	0	0
14	45	Interstage 2-3 (Fwd)			120.09	59.80	100.13	101.58	.010	.006
15			Silo							
16			Aero							
17			Base	2.81		57.33	107.51	108.65	0	0
18			Silo	1.92		61.11	101.01	101.74	0	0
19		Jettisoned	Aero	3.40		61.59	100.27	100.47	0	0
20		Portion	Base							
21			Jett	87.48		61.70	98.96	100.79	.008	.005
22	45	Interstage 2-3 (Aft)			63.44	60.52	99.30	101.42	.006	.003
23			Silo	1.18		82.97	100.50	100.84	0	0
24			Aero	1.18		82.00	103.07	105.23	0	0
25	46	2nd Stage Engine			22.87	146.57	105.99	110.43	.001	.018
26			Silo	.63		99.62	112.30	121.20	0	0
27			Aero	.53		99.62	112.30	121.20	0	0
28			Base	1.80		189.25	100.00	100.00	0	0
29	47	Interstage 1-2 (Fwd)			242.39	67.20	99.45	101.78	.032	.022
30			Silo							
31			Aero							
32			Base	3.10		64.06	112.35	115.53	0	0
33			Silo	4.21		66.61	100.32	100.55	.001	0
34		Jettisoned	Aero	7.56		66.87	100.10	100.17	.001	.001
35		Portion	Base	5.40		67.09	100.27	100.76	.001	0
36			Jett	197.65		68.87	98.53	101.29	.028	.018
37	47	Interstage 1-2 (Aft)			120.79	96.99	100.81	99.82	.024	.014
38			Silo	3.37		96.69	100.34	100.59	.001	0
39			Aero	3.41		97.71	101.98	103.41	.001	0
40	48	1st Stage Engine			61.57	227.31	109.91	116.76	.004	.115
41			Silo	2.89		190.41	111.84	120.45	0	.004
42			Aero	1.04		136.60	117.20	129.70	0	.001
43			Base	4.80		309.40	100.00	100.00	0	0
44	49	Skirt			279.84	68.46	100.74	101.21	.064	.039
45			Silo	17.57		68.02	100.35	100.60	.004	.002
46			Aero	3.33		67.80	100.64	101.12	.001	0
47			Base	40.60		69.10	101.70	102.76	.009	.006
48		MISSILE			947.65					
49			Silo	32.20						
50			Aero	21.25						
51			Base	58.71						
52			Jett	285.13						

* Boeing Section Stations (See Missile Station Diagram)
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3.12 MISSILE NO. 751 WEIGHT AND BALANCE SUMMARY MAJOR COMPONENTS S/N 0000243						REPORT NO. _____ DATE _____				
LINE NO.	SEC.	DESCRIPTION	DATA	EXPENDED WEIGHT (LB)	TOTAL WEIGHT (LB)	CENTER OF GRAVITY			INERTIA SLUG FT ² x10 ⁻³	
						LONG.*	LAT.	VERT.	ROLL	PITCH
1	41	RV Spacer								
2			Silo							
3			Aero							
4	39	CTLI Section								
5			Silo							
6			Aero							
7	42	G&C Section			1.02	89.94	100.00	100.00	0	0
8			Silo							
9			Aero							
10	44	3rd Stage Engine			17.65	93.89	106.36	111.27	0	.003
11			Silo	.43		94.95	110.30	117.70	0	0
12			Aero	.80		94.95	110.30	117.70	0	0
13			Base	.20		131.00	100.00	100.00	0	0
14	45	Interstage 2-3 (Fwd)			120.24	59.92	100.12	101.59	.010	.006
15			Silo							
16			Aero							
17			Base	2.81		57.33	107.51	108.65	0	0
18			Silo	1.92		61.11	101.01	101.74	0	0
19		Jettisoned Portion	Aero	3.40		61.59	100.27	100.47	0	0
20			Base							
21			Jett	87.63		61.85	98.94	100.81	.008	.005
22	45	Interstage 2-3 (Aft)			63.54	80.59	99.30	101.42	.006	.003
23			Silo	1.18		80.97	100.50	100.84	0	0
24			Aero	1.18		82.00	103.07	105.23	0	0
25	46	2nd Stage Engine			32.93	146.65	105.97	110.41	.001	.018
26			Silo	.63		99.62	112.30	121.20	0	0
27			Aero	.53		99.62	112.30	121.20	0	0
28			Base	1.80		189.25	100.00	100.00	0	0
29	47	Interstage 1-2 (Fwd)			242.42	67.19	99.55	101.59	.032	.022
30			Silo							
31			Aero							
32			Base	3.10		64.06	112.35	115.53	0	0
33			Silo	4.21		66.61	100.32	100.55	.001	0
34		Jettisoned Portion	Aero	7.56		66.87	100.10	100.17	.001	.001
35			Base	5.40		67.09	100.27	100.76	.001	0
36			Jett	197.63		68.85	98.66	101.06	.028	.018
37	47	Interstage 1-2 (Aft)			128.81	96.90	100.81	99.82	.024	.014
38			Silo	3.37		96.60	100.34	100.59	.001	0
39			Aero	3.41		97.71	101.98	103.41	.001	0
40	48	1st Stage Engine			61.68	227.47	109.89	116.73	.004	.115
41			Silo	2.89		190.41	111.84	120.45	0	.004
42			Aero	1.04		126.60	117.20	129.70	0	.001
43			Base	4.80		309.40	100.00	100.00	0	0
44	49	Skirt			279.54	68.48	100.95	101.14	.064	.039
45			Silo	17.57		68.02	100.35	100.60	.004	.002
46			Aero	3.33		67.80	100.64	101.12	.001	0
47			Base	40.60		69.10	101.70	102.76	.009	.006
48		MISSILE			947.83					
49			Silo	32.20						
50			Aero	21.25						
51			Base	58.71						
52			Jett	285.31						

* Boeing Section Stations (See Missile Station Diagram)
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3.13 MISSILE NO. 752 WEIGHT AND BALANCE SUMMARY MAJOR COMPONENTS S/N 0000253						REPORT NO. _____ DATE _____				
ITEM NO.	SEC.	DESCRIPTION	DATA	EXPENDED WEIGHT (LB)	TOTAL WEIGHT (LB)	CENTER OF GRAVITY			INERTIA SLUG FT ² x10 ⁻³	
						LONG.*	LAT.	VERT.	ROLL	PITCH
1	41	RV Spacer								
2			Silo							
3			Aero							
4	39	CTLI Section								
5			Silo							
6			Aero							
7	42	G&C Section			1.02	80.94	100.00	100.00	0	0
8			Silo							
9			Aero							
10	44	3rd Stage Engine			17.48	98.56	106.43	111.38	0	.003
11			Silo	.43		94.95	110.30	117.70	0	0
12			Aero	.80		94.95	110.30	117.70	0	0
13			Base	.20		131.00	100.00	100.00	0	0
14	45	Interstage 2-3 (Fwd)			120.15	59.73	100.09	101.46	.010	.006
15			Silo							
16			Aero							
17			Base	2.81		57.33	107.51	108.65	0	0
18			Silo	1.92		61.11	101.01	101.74	0	0
19		Jettisoned Portion	Aero	3.40		61.59	100.27	100.47	0	0
20			Base							
21			Jett	87.54		61.60	98.91	100.64	.008	.005
22	45	Interstage 2-3 (Aft)			63.43	67.59	99.30	101.42	.006	.003
23			Silo	1.18		82.77	100.50	100.84	0	0
24			Aero	1.18		82.00	103.07	105.23	0	0
25	46	2nd Stage Engine			32.89	146.60	105.98	110.42	.001	.018
26			Silo	.63		99.62	112.30	121.20	0	0
27			Aero	.53		99.62	112.30	121.20	0	0
28			Base	1.80		189.25	100.00	100.00	0	0
29	47	Interstage 1-2 (Fwd)			241.69	67.24	99.58	101.55	.032	.022
30			Silo							
31			Aero							
32			Base	3.10		64.06	112.35	115.53	0	0
33			Silo	4.21		66.61	100.32	100.55	.001	0
34		Jettisoned Portion	Aero	7.56		66.87	100.10	100.17	.001	.001
35			Base	5.40		67.09	100.27	100.76	.001	0
36			Jett	197.15		68.94	98.67	101.01	.028	.018
37	47	Interstage 1-2 (Aft)			128.49	96.90	100.81	99.82	.024	.014
38			Silo	3.37		96.69	100.34	100.59	.001	0
39			Aero	3.41		97.71	101.98	103.41	.001	0
40	48	1st Stage Engine			61.42	227.08	109.94	116.80	.004	.115
41			Silo	2.89		197.41	111.84	120.45	0	.004
42			Aero	1.04		136.60	117.20	129.70	0	.001
43			Base	4.80		309.40	100.00	100.00	0	0
44	49	Skirt			280.59	68.53	100.77	101.11	.064	.039
45			Silo	17.57		68.02	100.35	100.60	.004	.002
46			Aero	3.33		67.80	100.64	101.12	.001	0
47			Base	40.60		69.10	101.70	102.76	.009	.006
48		MISSILE			947.41					
49			Silo	32.20						
50			Aero	21.25						
51			Base	58.71						
52			Jett	284.69						

* Boeing Section Stations (See Missile Station Diagram)
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3.14 MISSILE NO. 753 WEIGHT AND BALANCE SUMMARY MAJOR COMPONENTS S/N 0000258						REFMT NO. _____ DATE _____				
LINE	SS	DESCRIPTION	DATA	EXPENDED WEIGHT (LB)	TOTAL WEIGHT (LB)	CENTER OF GRAVITY			INERTIA SLUG FT ² x10 ⁻³	
						LONG *	LAT.	VERT.	ROLL	PITCH
1	41	RV Spacer								
2			Silo							
3			Aero							
4	39	CTLI Section								
5			Silo							
6			Aero							
7	42	G&C Section			1.02	80.94	100.00	100.00	0	0
8			Silo							
9			Aero							
10	44	3rd Stage Engine			17.69	96.97	106.35	111.24	0	.003
11			Silo	.43		94.95	110.30	117.70	0	0
12			Aero	.80		94.95	110.30	117.70	0	0
13			Base	.20		131.00	100.00	100.00	0	0
14	45	Interstage 2-3			120.21	59.67	100.08	101.49	.010	.006
15		(Fwd)	Silo							
16			Aero							
17			Base	2.81		57.33	107.51	108.65	0	0
18			Silo	1.92		61.11	101.01	101.74	0	0
19		Jettisoned	Aero	3.40		61.59	100.27	100.47	0	0
20		Portion	Base							
21			Jett	87.60		61.51	98.90	100.68	.008	.005
22	45	Interstage 2-3			63.52	60.59	99.30	101.42	.006	.003
23		(Aft)	Silo	1.18		80.97	100.50	100.84	0	0
24			Aero	1.18		82.00	103.07	105.23	0	0
25	46	2nd Stage Engine			33.06	146.83	105.95	110.37	.001	.018
26			Silo	.63		99.62	112.30	121.20	0	0
27			Aero	.53		99.62	112.30	121.20	0	0
28			Base	1.80		189.25	100.00	100.00	0	0
29	47	Interstage 1-2			243.40	67.23	99.54	101.45	.032	.022
30		(Fwd)	Silo							
31			Aero							
32			Base	3.10		64.06	112.35	115.53	0	0
33			Silo	4.21		66.61	100.32	100.55	.001	0
34		Jettisoned	Aero	7.56		66.87	100.10	100.17	.001	.001
35		Portion	Base	5.40		67.09	100.27	100.76	.001	0
36			Jett	198.66		68.90	98.66	100.88	.028	.018
37	47	Interstage 1-2			121.38	96.90	100.81	99.82	.024	.014
38		(Aft)	Silo	3.37		96.69	100.34	100.59	.001	0
39			Aero	3.41		97.71	101.98	103.41	.001	0
40	48	1st Stage Engine			61.49	227.19	109.92	116.78	.004	.115
41			Silo	2.89		190.41	111.84	120.45	0	.004
42			Aero	1.04		136.60	117.20	129.70	0	.001
43			Base	4.80		309.40	100.00	100.00	0	0
44	49	Skirt			278.59	68.54	100.66	101.13	.064	.039
45			Silo	17.57		68.02	100.35	100.60	.004	.002
46			Aero	3.33		67.80	100.64	101.12	.001	0
47			Base	40.60		69.10	101.70	102.76	.009	.006
48		MISSILE			948.36					
49			Silo	32.20						
50			Aero	21.25						
51			Base	58.71						
52			Jett	286.26						

* Boeing Section Stations (See Missile Station Diagram)
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3.15 MISSILE NO. 754 WEIGHT AND BALANCE SUMMARY MAJOR COMPONENTS S/N 0003244						REPORT NO. _____ DATE _____				
LINE	C/S	DESCRIPTION	DATA	EXPENDED WEIGHT (LB)	TOTAL WEIGHT (LB)	CENTER OF GRAVITY			INERTIA SLUG FT ² x10-3	
						LONG.*	LAT.	VERT.	ROLL	PITCH
1	41	RV Spacer								
2			Silo							
3			Aero							
4	39	CTLI Section								
5			Silo							
6			Aero							
7	42	G&C Section			1.02	89.94	100.00	100.00	0	0
8			Silo							
9			Aero							
10	44	3rd Stage Engine			17.65	98.89	106.37	111.27	0	.003
11			Silo	.43		94.95	110.30	117.70	0	0
12			Aero	.80		94.95	110.30	117.70	0	0
13			Base	.20		131.00	100.00	100.00	0	0
14	45	Interstage 2-3 (Fwd)			119.73	59.92	100.04	101.41	.010	.006
15			Silo							
16			Aero							
17			Base	2.81		57.33	107.51	108.65	0	0
18			Silo	1.92		61.11	101.01	101.74	0	0
19		Jettisoned	Aero	3.40		61.59	100.27	100.47	0	0
20		Portion	Base							
21			Jett	87.12		61.87	98.84	100.57	.008	.005
22	45	Interstage 2-3 (Aft)			63.20	80.59	99.30	101.42	.006	.003
23			Silo	1.18		80.57	100.50	100.84	0	0
24			Aero	1.18		82.00	103.07	105.23	0	0
25	46	2nd Stage Engine			32.85	146.54	105.99	110.40	.001	.018
26			Silo	.63		99.62	112.30	121.20	0	0
27			Aero	.53		99.62	112.30	121.20	0	0
28			Base	1.80		189.25	100.00	100.00	0	0
29	47	Interstage 1-2 (Fwd)			242.93	67.44	99.57	101.60	.032	.022
30			Silo							
31			Aero							
32			Base	1.10		64.06	112.35	115.53	0	0
33			Silo	4.21		66.61	100.32	100.55	.001	0
34		Jettisoned	Aero	7.56		66.87	100.10	100.17	.001	.001
35		Portion	Base	5.40		67.09	100.27	100.76	.001	0
36			Jett	93.19		69.17	98.70	101.07	.028	.018
37	47	Interstage 1-2 (Aft)			129.10	96.90	100.81	99.82	.024	.014
38			Silo	3.37		96.69	100.34	100.59	.001	0
39			Aero	3.41		97.71	101.98	103.41	.001	0
40	48	1st Stage Engine			61.66	227.44	109.90	116.73	.004	.115
41			Silo	2.89		190.41	111.84	120.45	0	.004
42			Aero	1.04		136.60	117.20	129.70	0	.001
43			Base	4.80		309.40	100.00	100.00	0	0
44	49	Skirt			280.39	68.44	100.90	101.10	.064	.039
45			Silo	17.57		68.02	100.35	100.60	.004	.002
46			Aero	3.33		67.80	100.64	101.12	.001	0
47			Base	40.60		69.10	101.70	102.76	.009	.006
48		MISSILE			948.53					
49			Silo	32.20						
50			Aero	21.25						
51			Base	58.71						
52			Jett	285.31						

* Boeing Section Stations (See Missile Station Diagram)
2-5550-0-58

3.16 MISSILE NO. 755 WEIGHT AND BALANCE SUMMARY MAJOR COMPONENTS S/N 0000254						REPORT NO. _____ DATE _____				
LINE	SEC.	DESCRIPTION	DATA	EXPENDED WEIGHT (LB)	TOTAL WEIGHT (LB)	CENTER OF GRAVITY			INERTIA SLUG FT ² x10-3	
						LONG.*	LAT.	VERT.	ROLL	PITCH
1	41	RV Spacer								
2			Silo							
3			Aero							
4	39	CTLI Section								
5			Silo							
6			Aero							
7	42	G&C Section			1.02	80.94	100.00	100.00	0	0
8			Silo							
9			Aero							
10	44	3rd Stage Engine			17.73	99.05	106.34	111.22	0	.003
11			Silo	.43		94.95	110.30	117.70	0	0
12			Aero	.80		94.95	110.30	117.70	0	0
13			Base	.20		131.00	100.00	100.00	0	0
14	45	Interstage 2-3			119.73	59.82	100.07	101.53	.010	.006
15		(Fwd)	Silo							
16			Aero							
17			Base	2.81		57.33	107.51	108.65	0	0
18			Silo	1.92		61.11	101.01	101.74	0	0
19		Jettisoned	Aero	3.40		61.59	100.27	100.47	0	0
20		Portion	Base							
21			Jett	87.12		61.73	98.87	100.73	.008	.005
22	45	Interstage 2-3			63.20	80.59	99.30	101.42	.006	.003
23		(Aft)	Silo	1.18		80.97	100.50	100.84	0	0
24			Aero	1.18		82.00	103.07	105.23	0	0
25	46	2nd Stage Engine			32.92	146.64	105.98	110.41	.001	.018
26			Silo	.63		99.62	112.30	121.20	0	0
27			Aero	.53		99.62	112.30	121.20	0	0
28			Base	1.80		189.25	100.00	100.00	0	0
29	47	Interstage 1-2			243.15	67.23	99.38	101.50	.032	.022
30		(Fwd)	Silo							
31			Aero							
32			Base	3.10		64.06	112.35	115.53	0	0
33			Silo	4.21		66.61	100.32	100.55	.001	0
34		Jettisoned	Aero	7.56		66.87	100.10	100.17	.001	.001
35		Portion	Base	5.40		67.09	100.27	100.76	.001	0
36			Jett	193.41		68.91	98.46	100.95	.028	.018
37	47	Interstage 1-2			129.23	95.90	100.81	92.82	.024	.014
38		(Aft)	Silo	3.37		96.69	100.34	100.59	.001	0
39			Aero	3.41		97.71	101.98	103.41	.001	0
40	48	1st Stage Engine			61.66	227.44	109.90	116.73	.004	.115
41			Silo	2.89		190.41	111.84	120.45	0	.004
42			Aero	1.04		136.60	117.20	129.70	0	.001
43			Base	4.80		309.40	100.00	100.00	0	0
44	49	Skirt			280.29	68.39	100.83	100.93	.064	.039
45			Silo	17.57		68.02	100.35	100.60	.004	.002
46			Aero	3.33		67.80	100.64	101.12	.001	0
47			Base	40.60		69.10	101.70	102.76	.009	.006
48		MISSILE			948.93					
49			Silo	32.20						
50			Aero	21.25						
51			Base	58.71						
52			Jett	285.53						

* Boeing Section Stations (See Missile Station Diagram)
2-5550-0-58

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3.17, MISSILE NO. 756 WEIGHT AND BALANCE SUMMARY MAJOR COMPONENTS S/N 0000259						REPORT NO. _____ DATE _____				
LINE	SEC.	DESCRIPTION	DATA	EXPENDED WEIGHT (LB)	TOTAL WEIGHT (LB)	CENTER OF GRAVITY			INERTIA SLUG FT ² x10 ⁻⁶	
						LONG.*	LAT.	VERT.	ROLL	PITCH
1	41	RV Spacer								
2			Silo							
3			Aero							
4	39	CTLI Section								
5			Silo							
6			Aero							
7	42	G&C Section			1.02	80.94	100.00	100.00	0	0
8			Silo							
9			Aero							
10	44	3rd Stage Engine			17.58	98.76	106.39	111.31	0	.002
11			Silo	.43		94.95	110.30	117.70	0	0
12			Aero	.80		94.95	110.30	117.70	0	0
13			Base	.20		131.00	100.00	100.00	0	0
14	45	Interstage 2-3 (Fwd)			119.67	59.68	100.10	101.65	.010	.006
15			Silo							
16			Aero							
17			Base	2.81		57.33	107.51	108.65	0	0
18			Silo	1.92		61.11	101.01	101.74	0	0
19		Jettisoned	Aero	3.40		61.59	100.27	100.47	0	0
20		Portion	Base							
21			Jett	87.06		61.55	98.91	100.77	.008	.005
22	45	Interstage 2-3 (Aft)			63.16	80.59	99.30	101.42	.006	.003
23			Silo	1.18		80.97	100.50	100.84	0	0
24			Aero	1.18		82.00	103.07	105.23	0	0
25	46	2nd Stage Engine			32.96	146.70	105.97	110.40	.001	.018
26			Silo	.63		99.62	112.30	121.20	0	0
27			Aero	.53		99.62	112.30	121.20	0	0
28			Base	1.80		189.25	100.00	100.00	0	0
29	47	Interstage 1-2 (Fwd)			242.65	67.22	99.46	101.58	.032	.022
30			Silo							
31			Aero							
32			Base	3.10		64.06	112.35	115.53	0	0
33			Silo	4.21		66.61	100.32	100.55	.001	0
34		Jettisoned	Aero	7.56		66.87	100.10	100.17	.001	.001
35		Portion	Base	5.40		67.09	100.27	100.76	.001	0
36			Jett	197.91		68.89	98.54	101.04	.028	.018
37	47	Interstage 1-2 (Aft)			128.93	96.90	100.81	99.82	.024	.014
38			Silo	3.37		96.69	100.34	100.59	.001	0
39			Aero	3.41		97.71	101.98	103.41	.001	0
40	48	1st Stage Engine			61.13	226.65	109.98	116.88	.004	.115
41			Silo	2.89		190.41	111.84	120.45	0	.004
42			Aero	1.04		136.60	117.20	129.70	0	.001
43			Base	4.80		309.40	100.00	100.00	0	0
44	49	Skirt			281.04	68.53	100.84	101.13	.064	.039
45			Silo	17.57		68.02	100.35	100.60	.004	.002
46			Aero	3.33		67.80	100.64	101.12	.001	0
47			Base	40.60		69.10	101.70	102.76	.009	.006
48		MISSILE			948.14					
49			Silo	32.20						
50			Aero	21.25						
51			Base	58.71						
52			Jett	284.97						

* Boeing Section Stations (See Missile Station Diagram)
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3.18 MISSILE NO. 757 WEIGHT AND BALANCE SUMMARY MAJOR COMPONENTS S/N 0000275						REPORT NO. _____ DATE _____				
LINE	SS	DESCRIPTION	DATA	EXPENDED WEIGHT (LB)	TOTAL WEIGHT (LB)	CENTER OF GRAVITY			INERTIA SLUG FT ² x10 ⁻³	
						LONG.*	LAT.	VERT.	ROLL	PITCH
1	41	RV Spar								
2			Silo							
3			Aero							
4	39	CTLI Section								
5			Silo							
6			Aero							
7	42	G&C Section			1.02	80.94	100.00	100.00	0	0
8			Silo							
9			Aero							
10	44	3rd Stage Engine			17.57	98.73	106.40	111.32	0	.003
11			Silo	.43		94.95	110.30	117.70	0	0
12			Aero	.80		94.95	110.30	117.70	0	0
13			Base	.20		131.00	100.00	100.00	0	0
14	45	Interstage 2-3			119.87	59.83	100.06	101.67	.010	.006
15		(Fwd)	Silo							
16			Aero							
17			Base	2.81		57.33	107.51	108.65	0	0
18			Silo	1.92		61.11	101.01	101.74	0	0
19		Jettisoned	Aero	3.40		61.59	100.27	100.47	0	0
20		Portion	Base							
21			Jett	87.26		61.75	98.86	100.92	.008	.005
22	45	Interstage 2-3			63.36	80.59	99.30	101.42	.006	.003
23		(Aft)	Silo	1.18		82.97	100.50	100.84	0	0
24			Aero	1.18		82.00	103.07	105.23	0	0
25	46	2nd Stage Engine			32.79	146.46	106.00	110.45	.001	.018
26			Silo	.63		99.62	112.30	121.20	0	0
27			Aero	.53		99.62	112.30	121.20	0	0
28			Base	1.80		182.25	100.00	100.00	0	0
29	47	Interstage 1-2			243.24	67.25	99.47	101.54	.032	.022
30		(Fwd)	Silo							
31			Aero							
32			Base	3.10		64.06	112.35	115.53	0	0
33			Silo	4.21		66.61	100.32	100.55	.001	0
34		Jettisoned	Aero	7.56		66.87	100.10	100.17	.001	.001
35		Portion	Base	5.40		67.09	100.27	100.76	.001	0
36			Jett	198.50		68.93	98.50	101.00	.028	.018
37	47	Interstage 1-2			129.29	96.90	100.81	99.82	.024	.014
38		(Aft)	Silo	3.37		96.69	100.34	100.59	.001	0
39			Aero	3.41		97.71	101.98	103.41	.001	0
40	48	1st Stage Engine			61.57	227.30	109.90	116.75	.004	.115
41			Silo	2.89		190.41	111.84	120.45	0	.004
42			Aero	1.04		136.60	117.20	129.70	0	.001
43			Base	4.80		309.40	100.00	100.00	0	0
44	49	Skirt			280.94	68.56	100.76	101.10	.004	.039
45			Silo	17.57		68.02	100.35	100.60	.004	.002
46			Aero	3.33		67.80	100.64	101.12	.001	0
47			Base	40.60		69.10	101.70	102.76	.009	.006
48		MISSILE			949.65					
49			Silo	32.20						
50			Aero	21.25						
51			Base	58.71						
52			Jett	285.76						

* Boeing Section Stations (See Missile Station Diagram)
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3.19 MISSILE NO. 758 WEIGHT AND BALANCE SUMMARY MAJOR COMPONENTS S/N 0000265						REPORT NO. _____ DATE _____				
LINE	SQ.	DESCRIPTION	DATA	EXPENDED WEIGHT (LB)	TOTAL WEIGHT (LB)	CENTER OF GRAVITY			INERTIA SLUG FT ² x10 ⁻³	
						LONG.*	LAT.	VERT.	ROLL	PITCH
1	41	RV Spacer								
2			Silo							
3			Aero							
4	39	CTLI Section								
5			Silo							
6			Aero							
7	42	G&C Section			1.02	85.94	100.00	100.00	0	0
8			Silo							
9			Aero							
10	44	3rd Stage Engine			17.63	98.85	106.37	111.28	0	.003
11			Silo	.43		94.95	110.30	117.70	0	0
12			Aero	.80		94.95	110.30	117.70	0	0
13			Base	.20		131.00	100.00	100.00	0	0
14	45	Interstage 2-3 (Fwd)			119.91	59.71	100.09	101.61	.210	.006
15			Silo							
16			Aero							
17			Base	2.81		57.33	107.51	108.65	0	0
18			Silo	1.92		61.11	101.01	101.74	0	0
19		Jettisoned	Aero	3.40		61.59	100.27	100.47	0	0
20		Portion	Base							
21			Jett	87.30		61.58	98.91	100.84	.008	.005
22	45	Interstage 2-3 (Aft)			63.32	80.59	99.30	101.42	.006	.003
23			Silo	1.18		82.97	100.50	100.84	0	0
24			Aero	1.18		82.00	103.07	105.23	0	0
25	46	2nd Stage Engine			32.85	146.54	105.99	110.44	.001	.018
26			Silo	.63		99.62	112.30	121.20	0	0
27			Aero	.53		99.62	112.30	121.20	0	0
28			Base	1.80		189.25	100.00	100.00	0	0
29	47	Interstage 1-2 (Fwd)			242.58	67.35	99.50	101.67	.032	.022
30			Silo							
31			Aero							
32			Base	3.10		64.06	112.35	115.53	0	0
33			Silo	4.21		66.61	100.32	100.55	.001	0
34		Jettisoned	Aero	7.56		66.87	100.10	100.17	.001	.001
35		Portion	Base	5.40		67.09	100.27	100.76	.001	0
36			Jett	197.84		69.09	98.60	101.15	.028	.018
37	47	Interstage 1-2 (Aft)			128.90	96.90	100.81	99.82	.024	.014
38			Silo	3.37		96.69	100.34	100.59	.001	0
39			Aero	3.41		97.71	101.98	103.41	.001	0
40	48	1st Stage Engine			61.29	226.89	109.96	116.83	.004	.115
41			Silo	2.89		190.41	111.84	120.45	0	.004
42			Aero	1.04		136.60	117.20	129.70	0	.001
43			Base	4.80		309.40	100.00	100.00	0	0
44	49	Skirt			280.24	68.60	100.79	101.08	.064	.039
45			Silo	17.57		68.02	100.35	100.60	.004	.002
46			Aero	3.33		67.80	100.64	101.12	.001	0
47			Base	40.60		69.10	101.70	102.76	.009	.006
48		MISSILE			947.74					
49			Silo	32.20						
50			Aero	21.25						
51			Base	58.71						
52			Jett	285.14						

* Boeing Section Stations (See Missile Station Diagram)
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3.20 MISSILE NO. 759 WEIGHT AND BALANCE SUMMARY MAJOR COMPONENTS S/N 0000349						REPORT NO. _____ DATE _____				
LINE	SS	DESCRIPTION	DATA	EXPENDED WEIGHT (LB)	TOTAL WEIGHT (LB)	CENTER OF GRAVITY			INERTIA SLUG FT ² x10 ⁻³	
						LONG.*	LAT.	VERT.	ROLL	PITCH
1	41	RV Spacer								
2			Silo							
3			Aero							
4	39	CTLI Section								
5			Silo							
6			Aero							
7	42	G&C Section			1.02	80.94	100.00	100.00	0	0
8			Silo							
9			Aero							
10	44	3rd Stage Engine			17.68	98.95	106.35	111.25	0	.003
11			Silo	.43		94.95	110.30	117.70	0	0
12			Aero	.80		94.95	110.30	117.70	0	0
13			Base	.20		131.00	100.00	100.00	0	0
14	45	Interstage 2-3 (Fwd)			120.10	59.88	100.14	101.52	.010	.006
15			Silo							
16			Aero							
17			Base	2.81		57.33	107.51	108.65	0	0
18			Silo	1.92		61.11	101.01	101.74	0	0
19		Jettisoned	Aero	3.40		61.59	100.27	100.47	0	0
20		Portion	Base							
21			Jett	87.49		61.82	98.98	100.71	.008	.005
22	45	Interstage 2-3 (Aft)			63.43	80.59	99.30	101.42	.006	.003
23			Silo	1.18		82.97	100.50	100.84	0	0
24			Aero	1.18		82.00	103.07	105.23	0	0
25	46	2nd Stage Engine			32.85	146.54	105.98	110.44	.001	.018
26			Silo	.63		99.62	112.30	121.20	0	0
27			Aero	.53		99.62	112.30	121.20	0	0
28			Base	1.80		189.25	100.00	100.00	0	0
29	47	Interstage 1-2 (Fwd)			242.55	67.40	99.34	101.63	.032	.022
30			Silo							
31			Aero							
32			Base	3.10		64.06	112.35	115.53	0	0
33			Silo	4.21		66.61	100.32	100.55	.001	0
34		Jettisoned	Aero	7.56		66.87	100.10	100.17	.001	.001
35		Portion	Base	5.40		67.09	100.27	100.76	.001	0
36			Jett	197.81		67.12	98.41	101.10	.028	.018
37	47	Interstage 1-2 (Aft)			128.88	96.90	100.81	99.82	.024	.014
38			Silo	3.37		96.69	100.34	100.59	.001	0
39			Aero	3.41		97.71	101.98	103.41	.001	0
40	48	1st Stage Engine			61.74	227.55	109.88	116.70	.004	.115
41			Silo	2.89		190.41	111.84	120.45	0	.004
42			Aero	1.04		136.60	117.20	129.70	0	.001
43			Base	4.80		309.40	100.00	100.00	0	0
44	49	Skirt			278.94	68.55	100.78	101.19	.064	.039
45			Silo	17.57		68.02	100.35	100.60	.004	.002
46			Aero	3.33		67.80	100.64	101.12	.001	0
47			Base	40.60		69.10	101.70	102.76	.009	.006
48		MISSILE			947.19					
49			Silo	32.20						
50			Aero	21.25						
51			Base	58.71						
52			Jett	285.30						

* Boeing Section Stations (See Missile Station Diagram)
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3.21 MISSILE NO. 760 WEIGHT AND BALANCE SUMMARY MAJOR COMPONENTS S/N 0000260						REPORT NO. _____ DATE _____				
LINE	SEC.	DESCRIPTION	DATA	EXPENDED WEIGHT (LB)	TOTAL WEIGHT (LB)	CENTER OF GRAVITY			INERTIA SLUG FT ² x10 ⁻³	
						LONG.*	LAT.	VERT.	ROLL	PITCH
1	41	RV Spacer								
2			Silo							
3			Aero							
4	39	CTLI Section								
5			Silo							
6			Aero							
7	42	G&C Section			1.02	80.94	100.00	100.00	0	0
8			Silo							
9			Aero							
10	44	3rd Stage Engine			17.69	98.97	106.35	111.24	0	.003
11			Silo	.43		94.95	110.30	117.70	0	0
12			Aero	.80		94.95	110.30	117.70	0	0
13			Base	.20		131.00	100.00	100.00	0	0
14	45	Interstage 2-3 (Fwd)			119.73	59.86	100.20	101.63	.010	.006
15			Silo							
16			Aero							
17			Base	2.81		57.33	107.51	108.65	0	0
18			Silo	1.92		61.11	101.01	101.74	0	0
19		Jettisoned	Aero	3.40		61.59	100.27	100.47	0	0
20		Portion	Base							
21			Jett	87.12		61.79	99.05	100.87	.008	.005
22	45	Interstage 2-3 (Aft)			63.20	80.59	99.30	101.42	.006	.003
23			Silo	1.18		82.97	100.50	100.84	0	0
24			Aero	1.18		82.00	103.07	105.23	0	0
25	46	2nd Stage Engine			32.99	146.74	105.96	110.39	.001	.018
26			Silo	.63		99.62	112.30	121.20	0	0
27			Aero	.53		99.62	112.30	121.20	0	0
28			Base	1.80		189.25	100.00	100.00	0	0
29	47	Interstage 1-2 (Fwd)			242.23	67.34	99.45	101.57	.032	.022
30			Silo							
31			Aero							
32			Base	3.10		64.06	112.35	115.53	0	0
33			Silo	4.21		66.61	100.32	100.55	.001	0
34		Jettisoned	Aero	7.56		66.87	100.10	100.17	.001	.001
35		Portion	Base	5.40		67.09	100.27	100.76	.001	0
36			Jett	197.49		69.06	98.53	101.03	.028	.018
37	47	Interstage 1-2 (Aft)			128.70	96.90	100.81	99.82	.024	.014
38			Silo	3.37		96.69	100.34	100.59	.001	0
39			Aero	3.41		97.71	101.98	103.41	.001	0
40	48	1st Stage Engine			61.58	227.32	109.91	116.75	.004	.115
41			Silo	2.89		190.41	111.84	120.45	0	.004
42			Aero	1.04		136.60	117.20	129.70	0	.001
43			Base	4.80		309.40	100.00	100.00	0	0
44	49	Skirt			280.09	68.60	100.71	101.16	.064	.039
45			Silo	17.57		68.02	100.35	100.60	.004	.002
46			Aero	3.33		67.80	100.64	101.12	.001	0
47			Base	40.60		69.10	101.70	102.76	.009	.006
48		MISSILE			947.23					
49			Silo	32.20						
50			Aero	21.25						
51			Base	58.71						
52			Jett	284.61						

* Boeing Section Stations (See Missile Station Diagram)
2-5550-0-58

3.22 MISSILE NO. 761 WEIGHT AND BALANCE SUMMARY MAJOR COMPONENTS S/N 0000266						REPORT NO. _____ DATE _____				
LINE	S.N.	DESCRIPTION	DATA	EXPENDED WEIGHT (LB)	TOTAL WEIGHT (LB)	CENTER OF GRAVITY			INERTIA SLUG FT ² x10-3	
						LONG.*	LAT.	VERT.	ROLL	PITCH
1	41	RV Spacer								
2			Silo							
3			Aero							
4	39	CTLI Section								
5			Silo							
6			Aero							
7	42	G&C Section			1.02	80.94	100.00	100.00	0	0
8			Silo							
9			Aero							
10	44	3rd Stage Engine			17.47	98.54	106.43	111.38	0	.003
11			Silo	.43		94.95	110.30	117.70	0	0
12			Aero	.80		94.95	110.30	117.70	0	0
13			Base	.20		131.00	100.00	100.00	0	0
14	45	Interstage 2-3 (Fwd)			120.03	59.73	100.02	101.53	.010	.006
15			Silo							
16			Aero							
17			Base	2.81		57.33	107.51	108.65	0	0
18			Silo	1.92		61.11	101.01	101.74	0	0
19		Jettisoned Portion	Aero	3.40		61.59	100.27	100.47	0	0
20			Base							
21			Jett	87.42		61.61	98.79	100.73	.008	.005
22	45	Interstage 2-3 (Aft)			63.40	80.59	99.30	101.42	.006	.003
23			Silo	1.18		80.77	100.50	100.84	0	0
24			Aero	1.18		82.00	103.07	105.23	0	0
25	46	2nd Stage Engine			32.97	146.71	105.96	110.40	.001	.018
26			Silo	.63		99.62	112.30	121.20	0	0
27			Aero	.53		99.62	112.30	121.20	0	0
28			Base	1.80		189.25	100.00	100.00	0	0
29	47	Interstage 1-2 (Fwd)			243.15	67.20	99.52	101.63	.032	.022
30			Silo							
31			Aero							
32			Base	3.10		64.06	112.35	115.53	0	0
33			Silo	4.21		66.61	100.32	100.55	.001	0
34		Jettisoned Portion	Aero	7.56		66.87	100.10	100.17	.001	.001
35			Base	5.40		67.09	100.27	100.76	.001	0
36			Jett	198.41		68.87	98.64	101.10	.028	.018
37	47	Interstage 1-2 (Aft)			129.23	96.90	100.81	99.82	.024	.014
38			Silo	3.37		96.69	100.34	100.59	.001	0
39			Aero	3.41		97.71	101.98	103.41	.001	0
40	48	1st Stage Engine			61.77	227.60	109.87	116.70	.004	.115
41			Silo	2.89		190.41	111.84	120.45	0	.004
42			Aero	1.04		136.60	117.20	129.70	0	.001
43			Base	4.80		307.40	100.00	100.00	0	0
44	49	Skirt			281.64	68.49	100.84	101.14	.064	.039
45			Silo	17.57		68.02	100.35	100.60	.004	.002
46			Aero	3.33		67.80	100.64	101.12	.001	0
47			Base	40.60		69.10	101.70	102.76	.009	.006
48		MISSILE			950.68					
49			Silo	32.20						
50			Aero	21.25						
51			Base	58.71						
52			Jett	285.83						

* Boeing Section Stations (See Missile Station Diagram)
2-5550-0-58

3.23 MISSILE NO. 762 WEIGHT AND BALANCE SUMMARY MAJOR COMPONENTS S/N 0000276						REPORT NO. _____ DATE _____				
LINE	S.S.	DESCRIPTION	DATA	EXPENDED WEIGHT (LB)	TOTAL WEIGHT (LB)	CENTER OF GRAVITY			INERTIA SLUG FT ² x10-3	
						LONG.*	LAT.	VERT.	ROLL	PITCH
1	41	RV Spacer								
2			Silo							
3			Aero							
4	39	CTLI Section								
5			Silo							
6			Aero							
7	42	G&C Section			1.02	80.94	100.00	100.00	0	0
8			Silo							
9			Aero							
10	44	3rd Stage Engine			17.60	98.79	106.39	111.30	0	.003
11			Silo	.43		94.95	110.30	117.70	0	0
12			Aero	.80		94.95	110.30	117.70	0	0
13			Base	.20		101.00	100.00	100.00	0	0
14	45	Interstage 2-3 (Fwd)			119.64	59.77	100.03	101.55	.010	.006
15			Silo							
16			Aero							
17			Base	2.81		57.33	107.51	108.65	0	0
18			Silo	1.92		61.11	101.01	101.74	0	0
19		Jettisoned Portion	Aero	3.40		61.59	100.27	100.47	0	0
20			Base							
21			Jett	87.03		61.67	98.81	100.77	.008	.005
22	45	Interstage 2-3 (Aft)			63.14	80.59	99.30	101.42	.006	.003
23			Silo	1.18		80.97	100.50	100.84	0	0
24			Aero	1.13		82.00	103.07	105.23	0	0
25	46	2nd Stage Engine			33.01	146.76	105.96	110.38	.001	.018
26			Silo	.63		99.62	112.30	121.20	0	0
27			Aero	.53		92.62	112.30	121.20	0	0
28			Base	1.80		189.25	100.00	100.00	0	0
29	47	Interstage 1-2 (Fwd)			241.60	67.26	99.55	101.70	.032	.022
30			Silo							
31			Aero							
32			Base	3.10		64.06	112.35	115.53	0	0
33			Silo	4.21		66.61	100.32	100.55	.001	0
34		Jettisoned Portion	Aero	7.56		66.87	100.10	100.17	.001	.001
35			Base	5.40		67.09	100.27	100.76	.001	0
36			Jett	106.36		68.96	98.66	101.19	.028	.018
37	47	Interstage 1-2 (Aft)			128.33	96.90	100.81	99.82	.024	.014
38			Silo	3.37		96.69	100.34	100.59	.001	0
39			Aero	3.41		97.71	101.98	103.41	.001	0
40	48	1st Stage Engine			61.60	227.35	109.91	116.75	.004	.115
41			Silo	2.89		190.41	111.84	120.45	0	.004
42			Aero	1.04		136.60	117.20	129.70	0	.001
43			Base	4.80		209.40	100.00	100.00	0	0
44	49	Skirt			278.84	68.44	100.76	101.19	.064	.039
45			Silo	17.57		68.02	100.35	100.60	.004	.002
46			Aero	3.33		67.80	100.64	101.12	.001	0
47			Base	40.60		69.10	101.70	102.76	.009	.006
48		MISSILE			944.78					
49			Silo	32.20						
50			Aero	21.25						
51			Base	58.71						
52			Jett	283.89						

* Boeing Section Stations (See Missile Station Diagram)
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3.24 MISSILE NO. 763 WEIGHT AND BALANCE SUMMARY MAJOR COMPONENTS S/N 0000261						REPORT NO. _____ DATE _____				
13	14	15	16	17	18	CENTER OF GRAVITY			INERTIA	
						LONG.*	LAT.	VERT.	SLUG FT ² x10 ⁻³	ROLL PITCH
1	1	RV Spacer								
2		Silo								
3		Aero								
4	2	CTLI Section								
5		Silo								
6		Aero								
7	2	G&C Section		1.02	80.94	100.00	100.00	0	0	
8		Silo								
9		Aero								
10	4	3rd Stage Engine		17.60	98.79	106.38	111.30	0	.003	
11		Silo	.43		94.95	110.30	117.70	0	0	
12		Aero	.80		94.95	110.30	117.70	0	0	
13		Base	.20		131.00	100.00	100.00	0	0	
14	5	Interstage 2-3 (Fwd)		119.97	59.89	100.07	101.53	.010	.006	
15		Silo								
16		Aero								
17		Base	2.81		57.33	107.51	108.65	0	0	
18		Silo	1.92		61.11	101.01	101.74	0	0	
19		Jettisoned Portion	Aero	3.40	61.59	100.27	100.47	0	0	
20		Base								
21		Jett	87.36		61.83	98.87	100.73	.008	.005	
22	5	Interstage 2-3 (Aft)		63.36	60.52	99.30	101.42	.006	.003	
23		Silo	1.18		82.97	100.50	100.84	0	0	
24		Aero	1.18		82.00	103.07	105.23	0	0	
25	6	2nd Stage Engine		32.82	146.50	105.99	110.45	.001	.018	
26		Silo	.63		99.62	112.30	121.20	0	0	
27		Aero	.53		99.62	112.30	121.20	0	0	
28		Base	1.80		182.25	100.00	100.00	0	0	
29	7	Interstage 1-2 (Fwd)		242.93	67.09	99.55	101.72	.032	.022	
30		Silo								
31		Aero								
32		Base	3.10		64.06	112.35	115.53	0	0	
33		Silo	4.21		66.61	100.32	100.55	.001	0	
34		Jettisoned Portion	Aero	7.56	66.87	100.10	100.17	.001	.001	
35		Base	5.40		67.09	100.27	100.76	.001	0	
36		Jett	193.19		68.74	98.66	101.22	.028	.018	
37	7	Interstage 1-2 (Aft)		129.10	96.90	103.81	99.82	.024	.014	
38		Silo	3.37		96.69	100.34	100.59	.001	0	
39		Aero	3.41		97.71	101.98	103.41	.001	0	
40	8	1st Stage Engine		61.34	226.96	109.95	116.82	.004	.115	
41		Silo	2.89		190.41	111.84	120.45	0	.004	
42		Aero	1.04		126.60	117.20	129.70	0	.001	
43		Base	4.80		302.40	100.00	100.00	0	0	
44	9	Skirt		280.89	68.58	100.96	101.00	.064	.039	
45		Silo	17.57		68.02	100.35	100.60	.004	.002	
46		Aero	3.33		67.80	100.64	101.12	.001	0	
47		Base	40.60		69.10	101.70	102.76	.009	.006	
48		MISSILE		949.03						
49		Silo	32.20							
50		Aero	21.25							
51		Base	58.71							
52		Jett	285.55							

* Boeing Section Stations (See Missile Station Diagram)
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3.25 MISSILE NO. 764 WEIGHT AND BALANCE SUMMARY MAJOR COMPONENTS S/N 0000267						REPORT NO. _____ DATE _____				
LINE	SEQ.	DESCRIPTION	DATA	EXPENDED WEIGHT (LB)	TOTAL WEIGHT (LB)	CENTER OF GRAVITY			INERTIA SLUG FT ² x 10 ⁻³	
						LONG.*	LAT.	VERT.	ROLL	PITCH
1	41	RV Spacer								
2			Silo							
3			Aero							
4	39	CTLI Section								
5			Silo							
6			Aero							
7	42	G&C Section			1.02	80.94	100.00	100.00	0	0
8			Silo							
9			Aero							
10	44	3rd Stage Engine			17.59	98.77	106.38	111.31	0	.003
11			Silo	.43		94.95	110.32	117.70	0	0
12			Aero	.80		94.95	110.32	117.70	0	0
13			Base	.20		131.00	100.00	100.00	0	0
14	45	Interstage 2-3 (Fwd)			119.62	60.01	100.17	101.53	.010	.006
15			Silo							
16			Aero							
17			Base	2.61		57.33	107.51	108.65	0	0
18			Silo	1.92		61.11	101.01	101.74	0	0
19		Jettisoned	Aero	3.40		61.52	100.27	100.47	0	0
20		Portion	Base							
21			Jett	87.21		61.99	99.02	100.72	.008	.005
22	45	Interstage 2-3 (Aft)			63.26	60.59	99.30	101.42	.006	.003
23			Silo	1.18		80.97	100.50	100.84	0	0
24			Aero	1.18		82.00	103.07	105.23	0	0
25	46	2nd Stage Engine			33.01	146.76	105.90	110.38	.001	.018
26			Silo	.63		99.62	112.30	121.20	0	0
27			Aero	.53		99.62	112.30	121.20	0	0
28			Base	1.80		189.25	100.00	100.00	0	0
29	47	Interstage 1-2 (Fwd)			243.37	67.27	99.44	101.80	.032	.022
30			Silo							
31			Aero							
32			Base	3.10		64.06	112.35	115.53	0	0
33			Silo	4.21		66.61	100.32	100.55	.001	0
34		Jettisoned	Aero	7.56		66.87	100.10	100.17	.001	.001
35		Portion	Base	5.40		67.02	100.27	100.76	.001	0
36			Jett	198.63		68.95	98.53	101.31	.028	.018
37	47	Interstage 1-2 (Aft)			129.36	90.90	100.81	99.82	.024	.014
38			Silo	3.37		96.69	100.34	100.59	.001	0
39			Aero	3.41		97.71	101.98	103.41	.001	0
40	48	1st Stage Engine			61.60	227.35	109.90	116.70	.004	.115
41			Silo	2.89		120.41	111.84	120.45	0	.004
42			Aero	1.04		126.60	117.20	129.70	0	.001
43			Base	4.80		30.40	100.00	100.00	0	0
44	49	Skirt			279.04	68.58	100.78	101.13	.064	.039
45			Silo	17.57		68.02	100.35	100.60	.004	.002
46			Aero	3.33		67.80	100.64	101.12	.001	0
47			Base	40.60		69.10	101.70	102.76	.009	.006
48		MISSILE			948.07					
49			Silo	32.20						
50			Aero	21.25						
51			Base	58.71						
52			Jett	285.84						

* Boeing Section Stations (See Missile Station Diagram)
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3.26 MISSILE NO. 765 WEIGHT AND BALANCE SUMMARY MAJOR COMPONENTS S/N 0000277						REPORT NO. _____ DATE _____				
LINE	S.S.	DESCRIPTION	DATA	EXPENDED WEIGHT (LB)	TOTAL WEIGHT (LB)	CENTER OF GRAVITY			INERTIA SLUG FT ² x10 ⁻³	
						LONG.*	LAT.	VERT.	ROLL	PITCH
1	41	RV Spacer								
2			Silo							
3			Aero							
4	39	CTLI Section								
5			Silo							
6			Aero							
7	42	G&C Section			1.02	89.94	100.00	100.00	0	0
8			Silo							
9			Aero							
10	44	3rd Stage Engine			17.58	98.76	106.39	111.31	0	.003
11			Silo	.43		94.95	110.30	117.70	0	0
12			Aero	.80		94.95	110.30	117.70	0	0
13			Base	.20		131.00	100.00	100.00	0	0
14	45	Interstage 2-3			119.67	59.86	100.19	101.53	.010	.006
15		(Fwd)	Silo							
16			Aero							
17			Base	2.81		57.33	107.51	108.65	0	0
18			Silo	1.92		61.11	101.01	101.74	0	0
19		Jettisoned	Aero	3.40		61.52	100.27	100.47	0	0
20		Portion	Base							
21			Jett	87.06		61.72	92.04	100.73	.008	.005
22	45	Interstage 2-3			63.16	60.52	92.30	101.42	.006	.003
23		(Aft)	Silo	1.18		82.97	102.50	100.84	0	0
24			Aero	1.18		82.00	103.07	105.23	0	0
25	46	2nd Stage Engine			32.89	146.60	105.98	110.42	.001	.018
26			Silo	.63		99.62	112.30	121.20	0	0
27			Aero	.53		99.62	112.30	121.20	0	0
28			Base	1.80		182.25	100.00	100.00	0	0
29	47	Interstage 1-2			243.21	67.02	92.65	101.57	.032	.022
30		(Fwd)	Silo							
31			Aero							
32			Base	3.10		64.66	112.35	115.53	0	0
33			Silo	4.21		66.61	100.32	100.55	.001	0
34		Jettisoned	Aero	7.56		66.87	100.10	100.17	.001	.001
35		Portion	Base	5.40		67.02	100.27	100.76	.001	0
36			Jett	198.47		68.74	98.78	101.04	.028	.018
37	47	Interstage 1-2			129.27	96.90	100.61	99.82	.024	.014
38		(Aft)	Silo	3.37		96.62	100.34	100.59	.001	0
39			Aero	3.41		97.71	101.98	103.41	.001	0
40	48	1st Stage Engine			61.25	226.83	109.95	116.84	.004	.115
41			Silo	2.89		199.41	111.84	120.45	0	.004
42			Aero	1.04		136.60	117.20	129.70	0	.001
43			Base	4.80		309.40	100.00	100.00	0	0
44	49	Skirt			280.49	68.49	100.67	101.15	.004	.039
45			Silo	17.57		68.02	100.35	100.60	.004	.002
46			Aero	3.33		67.80	100.64	101.12	.001	0
47			Base	40.60		69.10	101.70	102.76	.009	.006
48		MISSILE			948.54					
49			Silo	32.20						
50			Aero	21.25						
51			Base	58.71						
52			Jett	285.53						

* Boeing Section Stations (See Missile Station Diagram)
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3.27 MISSILE NO. 766
WEIGHT AND BALANCE SUMMARY
MAJOR COMPONENTS S/N 0000262

REPORT NO. _____

DATE _____

S/N	S/N	DESCRIPTION	DATA	EXPENDED WEIGHT (LB)	TOTAL WEIGHT (LB)	CENTER OF GRAVITY			INERTIA SLUG FT ² x10 ⁻³	
						LONG.*	LAT.	VERT.	ROLL	PITCH
1	41	RV Sparar								
2			Silo							
3			Aero							
4	39	CTLI Section								
5			Silo							
6			Aero							
7	42	G&C Section			1.02	86.94	100.00	100.00	0	0
8			Silo							
9			Aero							
10	44	3rd Stage Engine			17.69	93.97	106.35	111.24	0	.003
11			Silo	.43		94.95	110.30	117.70	0	0
12			Aero	.80		94.95	110.30	117.70	0	0
13			Base	.20		131.00	100.00	100.00	0	0
14	45	Interstage 2-3 (Fwd)			119.40	59.93	100.21	101.67	.010	.006
15			Silo							
16			Aero							
17			Base	2.81		57.33	107.51	108.65	0	0
18			Silo	1.92		61.11	101.01	101.74	0	0
19		Jettisoned Portion	Aero	3.40		61.52	100.27	100.47	0	0
20			Base							
21			Jett	86.70		61.00	99.07	100.94	.008	.005
22	45	Interstage 2-3 (Aft)			60.93	80.59	99.30	101.42	.006	.003
23			Silo	1.18		80.97	100.50	100.84	0	0
24			Aero	1.18		82.00	103.07	105.23	0	0
25	46	2nd Stage Engine			32.89	146.60	105.98	110.42	.001	.018
26			Silo	.63		99.62	112.30	121.00	0	0
27			Aero	.53		99.62	112.30	121.20	0	0
28			Base	1.80		187.25	100.00	100.00	0	0
29	47	Interstage 1-2 (Fwd)			242.64	67.32	99.40	101.57	.032	.022
30			Silo							
31			Aero							
32			Base	3.10		64.06	112.35	115.53	0	0
33			Silo	4.21		66.61	100.32	100.55	.001	0
34		Jettisoned Portion	Aero	7.56		66.87	100.10	100.17	.001	.001
35			Base	5.40		67.09	100.27	100.76	.001	0
36			Jett	197.00		62.03	93.43	101.03	.028	.018
37	47	Interstage 1-2 (Aft)			128.94	96.20	100.61	99.62	.024	.014
38			Silo	3.37		96.69	100.34	100.59	.001	0
39			Aero	3.41		97.71	101.98	103.41	.001	0
40	48	1st Stage Engine			61.40	227.05	109.94	116.80	.004	.115
41			Silo	2.89		190.41	111.84	120.45	0	.004
42			Aero	1.04		126.60	117.20	129.70	0	.001
43			Base	4.80		309.40	100.00	100.00	0	0
44	49	Skirt			281.14	68.50	100.87	101.06	.064	.039
45			Silo	17.57		68.02	100.35	100.60	.004	.002
46			Aero	3.33		67.80	100.64	101.12	.001	0
47			Base	40.60		69.10	101.70	102.76	.009	.006
48		MISSILE			948.10					
49			Silo	32.20						
50			Aero	21.25						
51			Base	58.71						
52			Jett	285.59						

* Boeing Section Stations (See Missile Station Diagram)
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3.28 MISSILE NO. 767 WEIGHT AND BALANCE SUMMARY MAJOR COMPONENTS S/N 0000268						REPORT NO. _____ DATE: _____				
LINE	SSC	DESCRIPTION	DATA	EXPENDED WEIGHT (LB)	TOTAL WEIGHT (LB)	CENTER OF GRAVITY			INERTIA SLUG FT ² x10 ⁻³	
						LONG.*	LAT.	VERT.	ROLL	PITCH
1	41	RV Spacer								
2			Silo							
3			Aero							
4	39	CTLI Section								
5			Silo							
6			Aero							
7	42	G&C Section			1.02	89.94	100.00	100.00	0	0
8			Silo							
9			Aero							
10	44	3rd Stage Engine			17.65	98.89	106.36	111.26	0	.003
11			Silo	.43		94.95	110.30	117.70	0	0
12			Aero	.80		94.95	110.30	117.70	0	0
13			Base	.20		131.00	100.00	100.00	0	0
14	45	Interstage 2-3			119.25	59.93	100.14	101.60	.010	.006
15		(Fwd)	Silo							
16			Aero							
17			Base	2.81		57.33	107.51	108.65	0	0
18			Silo	1.92		61.11	101.01	101.74	0	0
19		Jettisoned	Aero	3.40		61.59	100.27	100.47	0	0
20		Portion	Base							
21			Jett	86.64		61.89	98.97	100.81	.008	.005
22	45	Interstage 2-3			62.88	80.59	99.30	101.42	.006	.003
23		(Aft)	Silo	1.18		80.97	100.50	100.84	0	0
24			Aero	1.18		82.00	103.07	105.23	0	0
25	46	2nd Stage Engine			33.02	146.78	105.95	110.38	.001	.018
26			Silo	.63		99.62	112.30	121.20	0	0
27			Aero	.53		99.62	112.30	121.20	0	0
28			Base	1.80		189.25	100.00	100.00	0	0
29	47	Interstage 1-2			242.71	67.17	99.41	101.52	.032	.022
30		(Fwd)	Silo							
31			Aero							
32			Base	3.10		64.06	112.35	115.53	0	0
33			Silo	4.21		66.61	100.32	100.55	.001	0
34		Jettisoned	Aero	7.56		66.87	100.10	100.17	.001	.001
35		Portion	Base	5.40		67.09	100.27	100.76	.001	0
36			Jett	197.97		68.84	98.50	100.97	.028	.018
37	47	Interstage 1-2			128.97	96.90	102.81	99.82	.024	.014
38		(Aft)	Silo	3.37		96.69	100.34	100.59	.001	0
39			Aero	3.41		97.71	101.98	103.41	.001	0
40	48	1st Stage Engine			61.37	227.01	109.94	116.81	.004	.115
41			Silo	2.89		190.41	111.84	120.45	0	.004
42			Aero	1.04		136.60	117.20	129.70	0	.001
43			Base	4.80		309.40	100.00	100.00	0	0
44	49	Skirt			279.99	68.84	100.50	100.57	.064	.039
45			Silo	17.57		68.02	100.35	100.60	.004	.002
46			Aero	3.33		67.80	100.64	101.12	.001	0
47			Base	40.60		69.10	101.70	102.76	.009	.006
48		MISSILE			946.86					
49			Silo	32.20						
50			Aero	21.25						
51			Base	58.71						
52			Jett	284.61						

* Boeing Section Stations (See Missile Station Diagram)
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3.29 MISSILE NO. 768 WEIGHT AND BALANCE SUMMARY MAJOR COMPONENTS S/N 0000278						REPORT NO. _____ DATE _____				
LINE	SS.	DESCRIPTION	DATA	EXPENDED WEIGHT (LB)	TOTAL WEIGHT (LB)	CENTER OF GRAVITY			INERTIA SLUG FT ² x10 ⁻³	
						LONG.*	LAT.	VERT.	ROLL	PITCH
1	41	RV Spacer								
2			Silo							
3			Aero							
4	39	CTLI Section								
5			Silo							
6			Aero							
7	42	G&C Section			1.02	80.94	100.00	100.00	0	0
8			Silo							
9			Aero							
10	44	3rd Stage Engine			17.59	98.77	106.38	111.30	0	.003
11			Silo	.43		94.95	112.30	117.70	0	0
12			Aero	.80		94.95	110.30	117.70	0	0
13			Base	.20		131.00	100.00	100.00	0	0
14	45	Interstage 2-3 (Fwd)			119.97	60.06	100.28	101.43	.010	.006
15			Silo							
16			Aero							
17			Base	2.81		57.33	107.51	108.65	0	0
18			Silo	1.92		61.11	101.01	101.74	0	0
19		Jettisoned	Aero	3.40		61.59	100.27	100.47	0	0
20		Portion	Base							
21			Jett	87.36		62.06	99.17	100.60	.008	.005
22	45	Interstage 2-3 (Aft)			63.36	80.59	99.30	101.42	.006	.003
23			Silo	1.18		80.77	100.50	100.84	0	0
24			Aero	1.18		82.00	103.07	105.23	0	0
25	46	2nd Stage Engine			32.77	146.43	106.00	110.46	.001	.018
26			Silo	.63		99.62	112.30	121.20	0	0
27			Aero	.53		99.62	112.30	121.20	0	0
28			Base	1.80		189.25	100.00	100.00	0	0
29	47	Interstage 1-2 (Fwd)			242.96	67.32	99.37	101.63	.032	.022
30			Silo							
31			Aero							
32			Base	3.10		64.06	112.35	115.53	0	0
33			Silo	4.21		66.61	100.32	100.55	.001	0
34		Jettisoned	Aero	7.56		66.87	100.10	100.17	.001	.001
35		Portion	Base	5.40		67.09	100.27	100.76	.001	0
36			Jett	198.22		69.02	98.44	101.10	.028	.018
37	47	Interstage 1-2 (Aft)			129.12	96.90	100.81	99.82	.024	.014
38			Silo	3.37		96.69	100.34	100.59	.001	0
39			Aero	3.41		97.71	101.98	103.41	.001	0
40	48	1st Stage Engine			61.34	226.96	109.90	116.81	.004	.115
41			Silo	2.89		190.41	111.84	120.45	0	.004
42			Aero	1.04		136.60	117.20	129.70	0	.001
43			Base	4.80		309.40	100.00	100.00	0	0
44	49	Skirt			278.94	68.62	100.84	101.15	.064	.039
45			Silo	17.57		68.02	100.35	100.60	.004	.002
46			Aero	3.33		67.80	100.64	101.12	.001	0
47			Base	40.60		69.10	101.70	102.76	.009	.006
48		MISSILE			947.07					
49			Silo	32.20						
50			Aero	21.25						
51			Base	58.71						
52			Jett	285.58						

* Boeing Section Stations (See Missile Station Diagram)
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3.30 MISSILE NO.769 WEIGHT AND BALANCE SUMMARY MAJOR COMPONENTS S/N 0000263						REPORT NO. _____ DATE _____				
LINE	S/N	DESCRIPTION	DATA	EXPENDED WEIGHT (LB)	TOTAL WEIGHT (LB)	CENTER OF GRAVITY			INERTIA SLUG FT ² x10-3	
						LONG.*	LAT.	VERT.	ROLL	PITCH
1	41	RV Spacer								
2			Silo							
3			Aero							
4	39	CTLI Section								
5			Silo							
6			Aero							
7	42	G&C Section			1.02	80.94	100.00	100.00	0	0
8			Silo							
9			Aero							
10	44	3rd Stage Engine			17.63	98.85	106.37	111.28	0	.003
11			Silo	.43		94.95	110.30	117.70	0	0
12			Aero	.80		94.95	110.30	117.70	0	0
13			Base	.20		131.00	100.00	100.00	0	0
14	45	Interstage 2-3			120.00	59.93	100.10	101.54	.010	.006
15		(Fwd)	Silo							
16			Aero							
17			Base	2.81		57.33	107.51	108.65	0	0
18			Silo	1.92		61.11	101.01	101.74	0	0
19		Jettisoned	Aero	3.40		61.59	100.27	100.47	0	0
20		Portion	Base							
21			Jett	87.39		61.88	98.93	100.74	.008	.005
22	45	Interstage 2-3			63.38	80.59	99.30	101.42	.006	.003
23		(Aft)	Silo	1.18		80.77	100.50	100.84	0	0
24			Aero	1.18		82.00	103.07	105.23	0	0
25	46	2nd Stage Engine			32.71	146.34	106.01	110.48	.001	.018
26			Silo	.63		99.62	112.30	121.20	0	0
27			Aero	.53		99.62	112.30	121.20	0	0
28			Base	1.80		189.25	100.00	100.00	0	0
29	47	Interstage 1-2			242.55	67.19	99.42	101.78	.032	.022
30		(Fwd)	Silo							
31			Aero							
32			Base	3.10		64.06	112.35	115.53	0	0
33			Silo	4.21		66.61	100.32	100.55	.001	0
34		Jettisoned	Aero	7.56		66.87	100.10	100.17	.001	.001
35		Portion	Base	5.40		67.09	100.27	100.76	.001	0
36			Jett	197.81		68.87	98.50	101.29	.028	.018
37	47	Interstage 1-2			128.88	96.90	100.81	99.82	.024	.014
38		(Aft)	Silo	3.37		96.69	100.34	100.59	.001	0
39			Aero	3.41		97.71	101.98	103.41	.001	0
40	48	1st Stage Engine			61.60	227.35	109.90	116.75	.004	.115
41			Silo	2.89		190.41	111.84	120.45	0	.004
42			Aero	1.04		136.60	117.20	129.70	0	.001
43			Base	4.80		309.40	100.00	100.00	0	0
44	49	Skirt			279.04	68.57	100.86	101.10	.064	.039
45			Silo	17.57		68.02	100.35	100.60	.004	.002
46			Aero	3.33		67.80	100.64	101.12	.001	0
47			Base	40.60		69.10	101.70	102.76	.009	.006
48		MISSILE			946.81					
49			Silo	32.20						
50			Aero	21.25						
51			Base	58.71						
52			Jett	285.20						

* Boeing Section Stations (See Missile Station Diagram)
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3.31 MISSILE NO. 771 WEIGHT AND BALANCE SUMMARY MAJOR COMPONENTS S/N 0000279						REPORT NO. _____ DATE _____				
LINE	SEQ.	DESCRIPTION	DATA	EXPENDED WEIGHT (LB)	TOTAL WEIGHT (LB)	CENTER OF GRAVITY			INERTIA SLUG T2x10-3	
						LONG.*	LAT.	VE T.	ROLL	PITCH
1	41	RV Spacer								
2			Silo							
3			Aero							
4	39	CTLI Section								
5			Silo							
6			Aero							
7	42	G&C Section			1.02	89.94	100.00	100.00	0	0
8			Silo							
9			Aero							
10	44	3rd Stage Engine			17.64	98.87	106.36	111.2	0	.003
11			Silo	.43		94.95	110.30	117.10	0	0
12			Aero	.80		94.95	110.30	111.70	0	0
13			Base	.20		131.02	100.00	100.00	0	0
14	45	Interstage 2-3			119.52	60.08	100.18	101.56	.010	.006
15		(Fwd)	Silo							
16			Aero							
17			Base	2.81		57.33	107.51	108.65	0	0
18			Silo	1.92		61.11	101.01	101.74	0	0
19		Jettisoned	Aero	3.40		61.59	100.27	100.47	0	0
20		Portion	Base							
21			Jett	86.91		62.09	99.01	100.76	.008	.005
22	45	Interstage 2-3			63.06	80.59	99.30	101.42	.006	.003
23		(Aft)	Silo	1.18		80.97	100.50	100.84	0	0
24			Aero	1.18		82.00	103.07	105.23	0	0
25	46	2nd Stage Engine			32.87	146.57	105.98	110.43	.001	.018
26			Silo	.63		99.62	112.30	121.20	0	0
27			Aero	.53		99.62	112.30	121.20	0	0
28			Base	1.80		189.25	100.00	100.00	0	0
29	47	Interstage 1-2			242.99	67.11	99.57	101.54	.032	.022
30		(Fwd)	Silo							
31			Aero							
32			Base	3.10		64.06	112.35	115.53	0	0
33			Silo	4.21		66.61	100.32	100.55	.001	0
34		Jettisoned	Aero	7.56		66.87	100.10	100.17	.001	.001
35		Portion	Base	5.40		67.09	100.27	100.76	.001	0
36			Jett	198.25		68.77	98.69	101.00	.028	.018
37	47	Interstage 1-2			129.14	96.90	100.81	99.82	.024	.014
38		(Aft)	Silo	3.37		96.69	100.34	100.59	.001	0
39			Aero	3.41		97.71	101.98	103.41	.001	0
40	48	1st Stage Engine			61.88	227.76	109.86	116.67	.004	.115
41			Silo	2.89		190.41	111.84	120.45	0	.004
42			Aero	1.04		136.60	117.20	129.70	0	.001
43			Base	4.80		309.40	100.00	100.00	0	0
44	49	Skirt			280.34	68.46	100.77	101.17	.064	.039
45			Silo	17.57		68.02	100.35	100.60	.004	.002
46			Aero	3.33		67.80	100.64	101.12	.001	0
47			Base	40.60		69.10	101.70	102.76	.009	.006
48		MISSILE			948.46					
49			Silo	32.20						
50			Aero	21.25						
51			Base	58.71						
52			Jett	285.16						

* Boeing Section Stations (See Missile Station Diagram)
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3.32 MISSILE NO. 772 WEIGHT AND BALANCE SUMMARY MAJOR COMPONENTS S/N 0000269						REPORT NO. _____ DATE _____				
LINE	SEC.	DESCRIPTION	DATA	EXPENDED WEIGHT (LB)	TOTAL WEIGHT (LB)	CENTER OF GRAVITY			INERTIA SLUG FT ² x10 ⁻³	
						LONG.*	LAT.	VERT.	ROLL	PITCH
1	41	RV Spacer								
2			Silo							
3			Aero							
4	39	CTLI Section								
5			Silo							
6			Aero							
7	42	G&C Section			1.02	80.94	100.00	100.00	0	0
8			Silo							
9			Aero							
10	44	3rd Stage Engine			17.61	98.81	106.38	111.29	0	.003
11			Silo	.43		94.95	110.30	117.70	0	0
12			Aero	.80		94.95	110.30	117.70	0	0
13			Base	.20		131.00	100.00	100.00	0	0
14	45	Interstage 2-3 (Fwd)			119.28	60.02	100.16	101.61	.010	.006
15			Silo							
16			Aero							
17			Base	2.81		57.33	107.51	108.65	0	0
18			Silo	1.92		61.11	101.01	101.74	0	0
19		Jettisoned	Aero	3.40		61.59	100.27	100.47	0	0
20		Portion	Base							
21			Jett	86.67		62.01	99.00	100.83	.008	.005
22	45	Interstage 2-3 (Aft)			62.90	80.59	99.30	101.42	.006	.003
23			Silo	1.18		80.97	100.50	100.84	0	0
24			Aero	1.18		82.00	103.07	105.23	0	0
25	46	2nd Stage Engine			32.99	146.74	105.96	110.39	.001	.018
26			Silo	.63		99.62	112.30	121.20	0	0
27			Aero	.53		99.62	112.30	121.20	0	0
28			Base	1.80		189.25	100.00	100.00	0	0
29	47	Interstage 1-2 (Fwd)			243.21	67.10	99.45	101.64	.032	.022
30			Silo							
31			Aero							
32			Base	3.10		64.06	112.35	115.53	0	0
33			Silo	4.21		66.61	100.32	100.55	.001	0
34		Jettisoned	Aero	7.56		66.87	100.10	100.17	.001	.001
35		Portion	Base	5.40		67.09	100.27	100.76	.001	0
36			Jett	198.47		68.78	98.54	101.12	.028	.018
37	47	Interstage 1-2 (Aft)			129.27	96.90	100.81	99.82	.024	.014
38			Silo	3.37		96.69	100.34	100.59	.001	0
39			Aero	3.41		97.71	101.98	103.41	.001	0
40	48	1st Stage Engine			61.22	226.78	109.96	116.85	.004	.115
41			Silo	2.89		190.41	111.84	120.45	0	.004
42			Aero	1.04		136.60	117.20	129.70	0	.001
43			Base	4.80		309.40	100.00	100.00	0	0
44	49	Skirt			281.99	68.60	100.93	101.00	.064	.039
45			Silo	17.57		68.02	100.35	100.60	.004	.002
46			Aero	3.33		67.80	100.64	101.12	.001	0
47			Base	40.60		69.10	101.70	102.76	.009	.006
48		MISSILE			949.49					
49			Silo	32.20						
50			Aero	21.25						
51			Base	58.71						
52			Jett	285.14						

* Boeing Section Stations (See Missile Station Diagram)
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3.33 MISSILE NO. 773 WEIGHT AND BALANCE SUMMARY MAJOR COMPONENTS S/N 0000264						REPORT NO. _____ DATE _____				
LINE	SEC.	DESCRIPTION	DATA	EXPENDED WEIGHT (LB)	TOTAL WEIGHT (LB)	CENTER OF GRAVITY			INERTIA SLUG FT ² x10-3	
						LONG.*	LAT.	VERT.	ROLL	PITCH
1	41	RV Spacer								
2			Silo							
3			Aero							
4	39	CTLI Section								
5			Silo							
6			Aero							
7	42	G&C Section			1.02	80.94	100.00	100.00	0	0
8			Silo							
9			Aero							
10	44	3rd Stage Engine			17.70	98.99	106.35	111.24	0	.003
11			Silo	.43		94.95	110.30	117.70	0	0
12			Aero	.80		94.95	110.30	117.70	0	0
13			Base	.20		131.00	100.00	100.00	0	0
14	45	Interstage 2-3 (Fwd)			119.40	59.84	100.21	101.57	.010	.006
15			Silo							
16			Aero							
17			Base	2.81		57.33	107.51	108.65	0	0
18			Silo	1.92		61.11	101.01	101.74	0	0
19		Jettisoned	Aero	3.40		61.59	100.27	100.47	0	0
20		Portion	Base							
21			Jett	86.79		61.77	99.05	100.78	.008	.005
22	45	Interstage 2-3 (Aft)			62.98	80.59	99.30	101.42	.006	.003
23			Silo	1.18		80.97	100.50	100.84	0	0
24			Aero	1.18		82.00	103.07	105.23	0	0
25	46	2nd Stage Engine			32.62	146.22	106.03	110.51	.001	.018
26			Silo	.63		99.62	112.30	121.20	0	0
27			Aero	.53		99.62	112.30	121.20	0	0
28			Base	1.80		189.25	100.00	100.00	0	0
29	47	Interstage 1-2 (Fwd)			243.72	67.09	99.47	101.62	.032	.022
30			Silo							
31			Aero							
32			Base	3.10		64.06	112.35	115.53	0	0
33			Silo	4.21		66.61	100.32	100.55	.001	0
34		Jettisoned	Aero	7.56		66.87	100.10	100.17	.001	.001
35		Portion	Base	5.40		67.09	100.27	100.76	.001	0
36			Jett	198.98		68.73	98.57	101.10	.028	.018
37	47	Interstage 1-2 (Aft)			129.56	96.90	100.81	99.82	.024	.014
38			Silo	3.37		96.69	100.34	100.59	.001	0
39			Aero	3.41		97.71	101.98	103.41	.001	0
40	48	1st Stage Engine			61.25	226.83	109.96	116.84	.004	.115
41			Silo	2.89		190.41	111.84	120.45	0	.004
42			Aero	1.04		136.60	117.20	129.70	0	.001
43			Base	4.80		309.40	100.00	100.00	0	0
44	49	Skirt			280.44	68.57	100.70	101.15	.064	.039
45			Silo	17.57		68.02	100.35	100.60	.004	.002
46			Aero	3.33		67.80	100.64	101.12	.001	0
47			Base	40.60		69.10	101.70	102.76	.009	.006
48		MISSILE			948.69					
49			Silo	32.20						
50			Aero	21.25						
51			Base	58.71						
52			Jett	285.77						

* Boeing Section Stations (See Missile Station Diagram)
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3.34 MISSILE NO. 774 WEIGHT AND BALANCE SUMMARY MAJOR COMPONENTS S/N 0000270						REPORT NO. _____ DATE _____				
LINE	SC	DESCRIPTION	DATA	EXPENDED WEIGHT (LB)	TOTAL WEIGHT (LB)	CENTER OF GRAVITY			INERTIA SLUG FT ² x10 ⁻³	
						LONG.*	LAT.	VERT.	ROLL	PITCH
1	41	RV Spacer								
2			Silo							
3			Aero							
4	39	CTLI Section								
5			Silo							
6			Aero							
7	42	O&O Section			1.02	80.94	100.00	100.00	0	0
8			Silo							
9			Aero							
10	44	3rd Stage Engine			17.62	98.83	106.30	111.28	0	.003
11			Silo	.43		94.95	110.30	117.70	0	0
12			Aero	.80		94.95	110.30	117.70	0	0
13			Base	.20		131.00	100.00	100.00	0	0
14	45	Interstage 2-3			119.46	59.79	100.29	101.47	.010	.006
15		(Fwd)	Silo							
16			Aero							
17			Base	2.81		57.33	107.51	108.65	0	0
18			Silo	1.92		61.11	101.01	101.74	0	0
19		Jettisoned	Aero	3.40		61.59	100.27	100.47	0	0
20		Portion	Base							
21			Jett	86.85		61.70	99.05	100.65	.008	.005
22	45	Interstage 2-3			63.02	80.59	99.30	101.42	.006	.003
23		(Aft)	Silo	1.18		80.97	100.50	100.84	0	0
24			Aero	1.18		82.00	103.07	105.23	0	0
25	46	2nd Stage Engine			32.83	146.51	105.90	110.48	.001	.018
26			Silo	.63		99.62	112.30	121.20	0	0
27			Aero	.53		99.62	112.30	121.20	0	0
28			Base	1.60		189.25	100.00	100.00	0	0
29	47	Interstage 1-2			243.31	67.30	99.52	101.47	.032	.022
30		(Fwd)	Silo							
31			Aero							
32			Base	3.10		64.06	112.35	115.53	0	0
33			Silo	4.21		66.61	100.32	100.55	.001	0
34		Jettisoned	Aero	7.56		66.87	100.10	100.17	.001	.001
35		Portion	Base	5.40		67.09	100.27	100.76	.001	0
36			Jett	198.57		68.99	98.64	100.91	.028	.018
37	47	Interstage 1-2			129.32	96.90	100.81	99.82	.024	.014
38		(Aft)	Silo	3.37		96.69	100.34	100.59	.001	0
39			Aero	3.41		97.71	101.98	103.41	.001	0
40	48	1st Stage Engine			61.05	226.53	110.00	116.90	.004	.115
41			Silo	2.89		190.41	111.84	120.45	0	.004
42			Aero	1.04		136.60	117.20	129.70	0	.001
43			Base	4.80		309.40	100.00	100.00	0	0
44	49	Skirt			279.89	68.37	100.83	101.13	.064	.039
45			Silo	17.57		68.02	100.35	100.60	.004	.002
46			Aero	3.33		67.80	100.64	101.12	.001	0
47			Base	40.60		69.10	101.70	102.76	.009	.006
48		MISSILE			947.52					
49			Silo	32.20						
50			Aero	21.25						
51			Base	58.71						
52			Jett	285.42						

* Boeing Section Stations (See Missile Station Diagram)
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3.35 MISSILE NO. 775 WEIGHT AND BALANCE SUMMARY MAJOR COMPONENTS S/N 0000234						REPORT NO. _____ DATE _____				
LINE	S	DESCRIPTION	DATA	EXPENDED WEIGHT (LB)	TOTAL WEIGHT (LB)	CENTER OF GRAVITY			INERTIA SLUG FT ² x10 ⁻³	
						LONG. E	LAT.	VERT.	ROLL	PITCH
1	41	RV Spacer								
2			Silo							
3			Aero							
4	39	CTLI Section								
5			Silo							
6			Aero							
7	42	G&C Section			1.02	80.24	101.01	101.00	0	0
8			Silo							
9			Aero							
10	44	3rd Stage Engine			17.56	93.75	106.39	111.31	0	.003
11			Silo	.43		94.95	109.29	117.70	0	0
12			Aero	.80		94.95	109.29	117.70	0	0
13			Base	.20		131.00	101.00	100.00	0	0
14	45	Interstage 2-3			119.59	99.75	109.19	101.65	.010	.006
15		(Fwd)	Silo							
16			Aero							
17			Base	2.81		97.33	107.51	108.65	0	0
18			Silo	1.92		61.11	101.01	101.74	0	0
19		Jettisoned	Aero	3.40		61.59	100.27	100.47	0	0
20		Portion	Base							
21			Jett	86.97		61.05	91.02	100.88	.008	.005
22	45	Interstage 2-3			63.10	90.59	99.30	101.42	.006	.003
23		(Aft)	Silo	1.18		82.27	100.59	100.84	0	0
24			Aero	1.18		82.27	100.59	100.84	0	0
25	46	2nd Stage Engine			22.90	115.61	105.98	110.42	.001	.018
26			Silo	.63		99.62	112.30	121.20	0	0
27			Aero	.53		99.62	112.30	121.20	0	0
28			Base	1.80		189.25	100.00	100.00	0	0
29	47	Interstage 1-2			243.59	67.25	99.53	101.47	.032	.022
30		(Fwd)	Silo							
31			Aero							
32			Base	3.10		64.66	112.32	115.53	0	0
33			Silo	4.21		66.61	100.32	100.55	.001	0
34		Jettisoned	Aero	7.56		66.61	100.10	100.17	.001	.001
35		Portion	Base	5.40		67.09	100.27	100.76	.001	0
36			Jett	193.85		68.97	98.62	100.92	.028	.018
37	47	Interstage 1-2			129.49	96.90	100.81	99.82	.024	.014
38		(Aft)	Silo	3.37		96.69	100.34	100.59	.001	0
39			Aero	3.41		97.71	101.98	103.41	.001	0
40	48	1st Stage Engine			61.24	225.81	109.96	116.85	.004	.115
41			Silo	2.89		190.41	111.84	120.45	0	.004
42			Aero	1.04		136.60	117.20	129.70	0	.001
43			Base	4.80		309.40	100.00	100.00	0	0
44	49	Skirt			280.89	68.32	100.80	101.11	.004	.039
45			Silo	17.57		68.02	100.35	100.60	.004	.002
46			Aero	3.33		67.82	100.64	101.12	.001	0
47			Base	40.60		69.10	101.70	102.76	.009	.006
48		MISSILE			949.39					
49			Silo	32.20						
50			Aero	21.25						
51			Base	58.71						
52			Jett	285.82						

* Boeing Section Stations (See Missile Station Diagram)
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3.36 MISSILE NO. TTT WEIGHT AND BALANCE SUMMARY MAJOR COMPONENTS S/N 0000280						REPORT NO. _____ DATE _____				
EXT	SS	DESCRIPTION	DATA	EXPENDED WEIGHT (LB)	TOTAL WEIGHT (LB)	CENTER OF GRAVITY			INERTIA SLUG FT ² X10-3	
						LONG.*	LAT.	VERT.	ROLL	PITCH
1	41	RV Spacer								
2			Silo							
3			Aero							
4	39	CTLI Section								
5			Silo							
6			Aero							
7	42	G&C Section			1.02	89.94	100.00	100.00	0	0
8			Silo							
9			Aero							
10	44	3rd Stage Engine			17.61	98.81	106.38	111.30	0	.003
11			Silo	.43		94.95	110.30	117.70	0	0
12			Aero	.80		94.95	110.30	117.70	0	0
13			Base	.20		131.00	100.00	100.00	0	0
14	45	Interstage 2-3 (Fwd)			120.21	59.83	100.18	101.49	.010	.006
15			Silo							
16			Aero							
17			Base	2.81		57.33	107.51	108.65	0	0
18			Silo	1.92		61.11	101.01	101.74	0	0
19		Jettisoned	Aero	3.40		61.59	100.27	100.47	0	0
20		Portion	Base							
21			Jett	87.60		61.75	99.03	100.68	.008	.005
22	45	Interstage 2-3 (Aft)			63.52	80.59	99.30	101.42	.006	.003
23			Silo	1.18		80.97	100.50	100.84	0	0
24			Aero	1.18		82.00	103.07	105.23	0	0
25	46	2nd Stage Engine			32.95	146.68	105.97	110.40	.001	.018
26			Silo	.63		99.62	112.30	121.20	0	0
27			Aero	.53		99.62	112.30	121.20	0	0
28			Base	1.80		189.25	100.00	100.00	0	0
29	47	Interstage 1-2 (Fwd)			243.87	67.40	99.48	101.50	.032	.022
30			Silo							
31			Aero							
32			Base	3.10		64.06	112.35	115.53	0	0
33			Silo	4.21		66.61	100.32	100.55	.001	0
34		Jettisoned	Aero	7.56		66.87	100.10	100.17	.001	.001
35		Portion	Base	5.40		67.09	100.27	100.76	.001	0
36			Jett	199.13		69.11	98.59	100.96	.028	.018
37	47	Interstage 1-2 (Aft)			129.66	96.90	100.81	99.82	.024	.014
38			Silo	3.37		96.69	100.34	100.59	.001	0
39			Aero	3.41		97.71	101.98	103.41	.001	0
40	48	1st Stage Engine			61.53	227.24	109.91	116.76	.004	.115
41			Silo	2.89		190.41	111.84	120.45	0	.004
42			Aero	1.04		136.60	117.20	129.70	0	.001
43			Base	4.80		309.40	100.00	100.00	0	0
44	49	Skirt			280.24	68.59	100.83	101.09	.004	.039
45			Silo	17.57		68.02	100.35	100.60	.004	.002
46			Aero	3.33		67.80	100.64	101.12	.001	0
47			Base	40.60		69.10	101.70	102.76	.009	.006
48		MISSILE			950.61					
49			Silo	32.20						
50			Aero	21.25						
51			Base	58.71						
52			Jett	286.73						

* Boeing Section Stations (See Missile Station Diagram)
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3.37 MISSILE NO. 778 WEIGHT AND BALANCE SUMMARY MAJOR COMPONENTS S/N 0000285						REPORT NO. _____ DATE: _____				
LINE	SS	DESCRIPTION	DATA	EXPENDED WEIGHT (LB)	TOTAL WEIGHT (LB)	CENTER OF GRAVITY			INERTIA SLUG FT ² x10 ⁻³	
						LONG. *	LAT.	VERT.	ROLL	PITCH
1	41	RV Spacer								
2			Silo							
3			Aero							
4	39	CTLI Section								
5			Silo							
6			Aero							
7	42	G&C Section			1.02	88.94	100.00	100.00	0	0
8			Silo							
9			Aero							
10	44	3rd Stage Engine			17.49	96.58	106.42	111.37	0	.003
11			Silo	.43		94.95	110.30	117.70	0	0
12			Aero	.80		94.95	110.30	117.70	0	0
13			Base	.20		131.00	100.00	100.00	0	0
14	45	Interstage 2-3 (Fwd)			119.40	59.62	100.17	101.61	.010	.006
15			Silo							
16			Aero							
17			Base	2.81		57.33	107.51	108.65	0	0
18			Silo	1.92		61.11	101.01	101.74	0	0
19		Jettisoned	Aero	3.40		61.59	100.27	100.47	0	0
20		Portion	Base							
21			Jett	86.79		61.46	99.00	100.83	.008	.005
22	45	Interstage 2-3 (Aft)			62.98	80.59	99.30	101.42	.006	.003
23			Silo	1.18		80.97	100.50	100.84	0	0
24			Aero	1.18		82.00	103.07	105.23	0	0
25	46	2nd Stage Engine			32.98	146.72	105.97	111.40	.001	.018
26			Silo	.63		99.62	112.30	121.20	0	0
27			Aero	.53		99.62	112.30	121.20	0	0
28			Base	1.80		189.25	100.00	100.00	0	0
29	47	Interstage 1-2 (Fwd)			242.77	67.30	99.52	101.63	.032	.022
30			Silo							
31			Aero							
32			Base	3.10		64.06	112.35	115.53	0	0
33			Silo	4.21		66.61	100.32	100.55	.001	0
34		Jettisoned	Aero	7.56		66.87	100.10	100.17	.001	.001
35		Portion	Base	5.40		67.09	100.27	100.76	.001	0
36			Jett	198.03		69.00	98.62	101.11	.028	.018
37	47	Interstage 1-2 (Aft)			129.01	96.90	100.81	99.82	.024	.014
38			Silo	3.37		96.69	100.34	100.59	.001	0
39			Aero	3.41		97.71	101.98	103.41	.001	0
40	48	1st Stage Engine			61.33	226.95	109.95	116.82	.004	.115
41			Silo	2.89		190.41	111.84	120.45	0	.004
42			Aero	1.04		136.60	117.20	129.70	0	.001
43			Base	4.80		309.40	100.00	100.00	0	0
44	49	Skirt			280.69	68.60	100.95	101.17	.004	.039
45			Silo	17.57		68.02	100.35	100.60	.004	.002
46			Aero	3.33		67.80	100.64	101.12	.001	0
47			Base	40.60		69.10	101.70	102.76	.009	.006
48		MISSILE			947.67					
49			Silo	32.20						
50			Aero	21.25						
51			Base	58.71						
52			Jett	284.82						

* Boeing Section Stations (See Missile Station Diagram)
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3.38 MISSILE NO. 779 WEIGHT AND BALANCE SUMMARY MAJOR COMPONENTS S/N 0000271						REPORT NO. _____ DATE _____				
LINE	SEC.	DESCRIPTION	DATA	EXPENDED WEIGHT (LB)	TOTAL WEIGHT (LB)	CENTER OF GRAVITY			INERTIA SLUG FT ² X10-3	
						LONG.*	LAT.	VERT.	ROLL	PITCH
1	41	RV Spacer								
2			Silo							
3			Aero							
4	39	CTLI Section								
5			Silo							
6			Aero							
7	42	OGC Section			1.02	80.94	100.00	100.00	0	0
8			Silo							
9			Aero							
10	44	3rd Stage Engine			17.65	98.89	106.36	111.26	0	.003
11			Silo	.43		94.95	110.30	117.70	0	0
12			Aero	.80		94.95	110.30	117.70	0	0
13			Base	.20		131.00	100.00	100.00	0	0
14	45	Interstage 2-3 (Fwd)			119.91	59.89	100.16	101.54	.010	.006
15			Silo							
16			Aero							
17			Base	2.81		57.33	107.51	108.65	0	0
18			Silo	1.92		61.11	101.01	101.74	0	0
19		Jettisoned	Aero	3.40		61.59	100.27	100.47	0	0
20		Portion	Base							
21			Jett	87.30		61.83	99.00	100.74	.008	.005
22	45	Interstage 2-3 (Aft)			63.32	80.59	99.30	101.42	.006	.003
23			Silo	1.18		80.97	100.50	100.84	0	0
24			Aero	1.18		82.00	103.07	105.23	0	0
25	46	2nd Stage Engine			32.92	146.64	105.98	110.41	.001	.018
26			Silo	.63		99.62	112.30	121.20	0	0
27			Aero	.53		99.62	112.30	121.20	0	0
28			Base	1.80		189.25	100.00	100.00	0	0
29	47	Interstage 1-2 (Fwd)			242.30	67.26	99.47	101.54	.032	.022
30			Silo							
31			Aero							
32			Base	3.10		64.06	112.35	115.53	0	0
33			Silo	4.21		66.61	100.32	100.55	.001	0
34		Jettisoned	Aero	7.56		66.87	100.10	100.17	.001	.001
35		Portion	Base	5.40		67.09	100.27	100.76	.001	0
36			Jett	197.56		68.96	98.57	101.00	.028	.018
37	47	Interstage 1-2 (Aft)			128.73	96.90	100.81	99.82	.024	.014
38			Silo	3.37		96.69	100.34	100.59	.001	0
39			Aero	3.41		97.71	101.98	103.41	.001	0
40	48	1st Stage Engine			61.39	227.04	109.94	116.81	.004	.115
41			Silo	2.89		190.41	111.84	120.45	0	.004
42			Aero	1.04		136.60	117.20	129.70	0	.001
43			Base	1.80		309.40	100.00	100.00	0	0
44	49	Skirt			282.34	68.62	100.98	101.15	.064	.039
45			Silo	17.57		68.02	100.35	100.60	.004	.002
46			Aero	3.33		67.80	100.64	101.12	.001	0
47			Base	40.60		69.10	101.70	102.76	.009	.006
48		MISSILE			949.58					
49			Silo	32.20						
50			Aero	21.25						
51			Base	58.71						
52			Jett	204.86						

* Boeing Section Stations (See Missile Station Diagram)
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3.39 MISSILE NO. 780 WEIGHT AND BALANCE SUMMARY MAJOR COMPONENTS S/N 0000281						REPORT NO. _____ DATE _____				
LINE	S/N	DESCRIPTION	DATA	EXPENDED WEIGHT (LB)	TOTAL WEIGHT (LB)	CENTER OF GRAVITY			INERTIA SLUG FT ² x10-3	
						LONG. #	LAT.	VERT.	ROLL	PITCH
1	41	RV Spacer								
2			Silo							
3			Aero							
4	39	CTLI Section								
5			Silo							
6			Aero							
7	42	G&C Section			1.02	80.94	100.00	100.00	0	0
8			Silo							
9			Aero							
10	44	3rd Stage Engine			17.62	98.83	106.37	111.28	0	.003
11			Silo	.43		94.95	110.30	117.70	0	0
12			Aero	.80		94.95	110.30	117.70	0	0
13			Base	.20		131.00	100.00	100.00	0	0
14	45	Interstage 2-3 (Fwd)			119.34	59.71	100.17	101.60	.010	.006
15			Silo							
16			Aero							
17			Base	2.81		57.33	107.51	108.65	0	0
18			Silo	1.92		61.11	101.01	101.74	0	0
19		Jettisoned	Aero	3.40		61.59	100.27	100.47	0	0
20		Portion	Base							
21			Jett	86.73		61.60	99.00	100.81	.008	.005
22	45	Interstage 2-3 (Aft)			62.94	80.59	99.30	101.42	.006	.003
23			Silo	1.18		80.97	100.50	100.84	0	0
24			Aero	1.18		82.00	103.07	105.23	0	0
25	46	2nd Stage Engine			32.68	146.30	106.02	110.49	.001	.018
26			Silo	.63		99.62	112.30	121.20	0	0
27			Aero	.53		99.62	112.30	121.20	0	0
28			Base	1.80		189.25	100.00	100.00	0	0
29	47	Interstage 1-2 (Fwd)			243.46	67.27	99.45	101.72	.032	.022
30			Silo							
31			Aero							
32			Base	3.10		64.06	112.35	115.53	0	0
33			Silo	4.21		66.61	100.32	100.55	.001	0
34		Jettisoned	Aero	7.56		66.87	100.10	100.17	.001	.001
35		Portion	Base	5.40		67.09	100.27	100.76	.001	0
36			Jett	198.72		68.96	98.54	101.23	.028	.018
37	47	Interstage 1-2 (Aft)			129.42	96.90	100.81	99.82	.024	.014
38			Silo	3.37		96.69	100.34	100.59	.001	0
39			Aero	3.41		97.71	101.98	103.41	.001	0
40	48	1st Stage Engine			61.51	227.22	109.92	116.77	.004	.115
41			Silo	2.89		190.41	111.84	120.45	0	.004
42			Aero	1.04		136.60	117.20	129.70	0	.001
43			Base	4.80		309.40	100.00	100.00	0	0
44	49	Skirt			280.29	68.45	100.87	101.03	.064	.039
45			Silo	17.57		68.02	100.35	100.60	.004	.002
46			Aero	3.33		67.80	100.64	101.12	.001	0
47			Base	40.60		69.10	101.70	102.76	.009	.006
48		MISSILE			948.28					
49			Silo	32.20						
50			Aero	21.25						
51			Base	58.71						
52			Jett	285.45						

* Boeing Section Stations (See Missile Station Diagram)
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3.40 MISSILE NO. 781 WEIGHT AND BALANCE SUMMARY MAJOR COMPONENTS S/N 0000286						REPORT NO. _____ DATE _____				
LINE	S/N	DESCRIPTION	DATA	EXPENDED WEIGHT (LB)	TOTAL WEIGHT (LB)	CENTER OF GRAVITY			INERTIA SLUG FT ² x10 ⁻³	
						LONG.*	LAT.	VERT.	ROLL	PITCH
1	41	RV Spacer								
2			Silo							
3			Aero							
4	39	CTLI Section								
5			Silo							
6			Aero							
7	42	Q&C Section			1.02	80.94	100.00	100.00	0	0
8			Silo							
9			Aero							
10	44	3rd Stage Engine			17.59	98.77	106.39	111.31	0	.003
11			Silo	.43		94.95	110.30	117.70	0	0
12			Aero	.80		94.95	110.30	117.70	0	0
13			Base	.20		131.00	100.00	100.00	0	0
14	45	Interstage 2-3 (Fwd)			120.00	59.77	100.16	101.55	.010	.006
15			Silo							
16			Aero							
17			Base	2.81		57.33	107.51	108.65	0	0
18			Silo	1.92		61.11	101.01	101.74	0	0
19		Jettisoned	Aero	3.40		61.59	100.27	100.47	0	0
20		Portion	Base							
21			Jett	87.39		61.67	99.00	100.75	.008	.005
22	45	Interstage 2-3 (Aft)			63.38	80.59	99.30	101.42	.006	.003
23			Silo	1.18		80.97	100.50	100.84	0	0
24			Aero	1.18		82.00	103.07	105.23	0	0
25	46	2nd Stage Engine			33.10	146.89	105.94	110.36	.001	.018
26			Silo	.63		99.62	112.30	121.20	0	0
27			Aero	.53		99.62	112.30	121.20	0	0
28			Base	1.80		189.25	100.00	100.00	0	0
29	47	Interstage 1-2 (Fwd)			243.43	67.31	99.65	101.72	.032	.022
30			Silo							
31			Aero							
32			Base	3.10		64.06	112.35	115.53	0	0
33			Silo	4.21		66.61	100.32	100.55	.001	0
34		Jettisoned	Aero	7.56		66.87	100.10	100.17	.001	.001
35		Portion	Base	5.40		67.09	100.27	100.76	.001	0
36			Jett	198.69		69.01	98.79	101.22	.028	.018
37	47	Interstage 1-2 (Aft)			129.40	96.90	100.81	99.82	.024	.014
38			Silo	3.37		96.69	100.34	100.59	.001	0
39			Aero	3.41		97.71	101.98	103.41	.001	0
40	48	1st Stage Engine			61.47	227.16	109.93	116.78	.004	.115
41			Silo	2.89		190.41	111.84	120.45	0	.004
42			Aero	1.04		136.60	117.20	129.70	0	.001
43			Base	4.80		309.40	100.00	100.00	0	0
44	49	Skirt			280.39	68.54	100.81	101.17	.004	.039
45			Silo	17.57		68.02	100.35	100.60	.004	.002
46			Aero	3.33		67.80	100.64	101.12	.001	0
47			Base	40.60		69.10	101.70	102.76	.009	.006
48		MISSILE			949.78					
49			Silo	32.20						
50			Aero	21.25						
51			Base	58.71						
52			Jett	286.08						

* Boozing Section Stations (See Missile Station Diagram)
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3.41 MISSILE NO. 782 WEIGHT AND BALANCE SUMMARY MAJOR COMPONENTS S/N 0000272						REPORT NO. _____ DATE _____				
LINE	SEC.	DESCRIPTION	DATA	EXPENDED WEIGHT (LB)	TOTAL WEIGHT (LB)	CENTER OF GRAVITY			INERTIA SLUG FT ² x10 ⁻³	
						LONG.*	L.T.	VERT.	ROLL	PITCH
1	41	RV Spacer								
2			Silo							
3			Aero							
4	39	CTLI Section								
5			Silo							
6			Aero							
7	42	O&C Section			1.02	80.94	100.00	100.00	0	0
8			Silo							
9			Aero							
10	44	3rd Stage Engine			17.58	98.76	106.39	111.31	0	.003
11			Silo	.43		94.95	110.30	117.70	0	0
12			Aero	.80		94.95	110.30	117.70	0	0
13			Base	.20		131.00	100.00	100.00	0	0
14	45	Interstage 2-3 (Fwd)			119.82	59.59	100.14	101.56	.010	.006
15			Silo							
16			Aero							
17			Base	2.81		57.33	107.51	108.65	0	0
18			Silo	1.92		61.11	101.01	101.74	0	0
19		Jettisoned	Aero	3.40		61.59	100.27	100.47	0	0
20		Portion	Base							
21			Jett	87.21		61.41	98.97	100.77	.008	.005
22	45	Interstage 2-3 (Aft)			63.26	80.59	99.30	101.42	.006	.003
23			Silo	1.18		80.97	100.50	100.84	0	0
24			Aero	1.18		82.00	103.07	105.23	0	0
25	46	2nd Stage Engine			32.85	146.54	105.99	110.44	.001	.018
26			Silo	.63		99.62	112.30	121.20	0	0
27			Aero	.53		99.62	112.30	121.20	0	0
28			Base	1.80		189.25	100.00	100.00	0	0
29	47	Interstage 1-2 (Fwd)			242.20	67.21	99.61	101.54	.032	.022
30			Silo							
31			Aero							
32			Base	3.10		64.06	112.35	115.53	0	0
33			Silo	4.21		66.61	100.32	100.55	.001	0
34		Jettisoned	Aero	7.56		66.87	100.10	100.17	.001	.001
35		Portion	Base	5.40		67.09	100.27	100.76	.001	0
36			Jett	197.46		68.90	98.73	101.00	.028	.018
37	47	Interstage 1-2 (Aft)			128.68	96.90	100.81	99.82	.024	.014
38			Silo	3.37		96.69	100.34	100.59	.001	0
39			Aero	3.41		97.71	101.98	103.41	.001	0
40	48	1st Stage Engine			61.16	226.69	109.98	116.87	.004	.115
41			Silo	2.89		190.41	111.84	120.45	0	.004
42			Aero	1.04		136.60	117.20	129.70	0	.001
43			Base	4.80		309.40	100.00	100.00	0	0
44	49	Skirt			281.04	68.50	100.94	101.05	.064	.039
45			Silo	17.57		68.02	100.35	100.60	.004	.002
46			Aero	3.33		67.80	100.64	101.12	.001	0
47			Base	40.60		69.10	101.70	102.76	.009	.006
48		MISSILE			947.61					
49			Silo	32.20						
50			Aero	21.25						
51			Base	58.71						
52			Jett	284.67						

* Boeing Section Stations (See Missile Station Diagram)
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3.42 MISSILE NO. 783 WEIGHT AND BALANCE SUMMARY MAJOR COMPONENTS S/N 0000282						REPORT NO. _____ DATE _____				
IN CH	SEC	DESCRIPTION	DATA	EXPENDED WEIGHT (LB)	TOTAL WEIGHT (LB)	CENTER OF GRAVITY			INERTIA SLUG FT ² x10 ⁻³	
						LONG.*	LAT.	VERT.	ROLL	PITCH
1	41	RV Spacer								
2			Silo							
3			Aero							
4	39	CTLI Section								
5			Silo							
6			Aero							
7	42	G&C Section			1.02	80.94	100.00	100.00	0	0
8			Silo							
9			Aero							
10	44	3rd Stage Engine			17.68	98.95	106.36	111.25	0	.003
11			Silo	.43		94.95	110.30	117.70	0	0
12			Aero	.80		94.95	110.30	117.70	0	0
13			Base	.20		131.00	100.00	100.00	0	0
14	45	Interstage 2-3 (Fwd)			119.28	59.88	100.10	101.59	.010	.006
15			Silo							
16			Aero							
17			Base	2.81		57.33	107.51	108.65	0	0
18			Silo	1.92		61.11	101.01	101.74	0	0
19		Jettisoned	Aero	3.40		61.59	100.27	100.47	0	0
20		Portion	Base							
21			Jett	86.67		61.83	98.90	100.81	.008	.005
22	45	Interstage 2-3 (Aft)			62.90	80.59	99.30	101.42	.006	.003
23			Silo	1.18		80.97	100.50	100.84	0	0
24			Aero	1.18		82.00	103.07	105.23	0	0
25	46	2nd Stage Engine			32.89	146.60	105.98	110.42	.001	.018
26			Silo	.63		99.62	112.30	121.20	0	0
27			Aero	.53		99.62	112.30	121.20	0	0
28			Base	1.80		189.25	100.00	100.00	0	0
29	47	Interstage 1-2 (Fwd)			242.20	67.17	99.55	101.58	.032	.022
30			Silo							
31			Aero							
32			Base	3.10		64.06	112.35	115.53	0	0
33			Silo	4.21		66.61	100.32	100.55	.001	0
34		Jettisoned	Aero	7.56		66.87	100.10	100.17	.001	.001
35		Portion	Base	5.40		67.09	100.27	100.76	.001	0
36			Jett	197.46		68.84	98.66	101.04	.028	.018
37	47	Interstage 1-2 (Aft)			128.68	96.90	100.81	99.82	.024	.014
38			Silo	3.37		96.69	100.34	100.59	.001	0
39			Aero	3.41		97.71	101.98	103.41	.001	0
40	48	1st Stage Engine			61.34	226.96	109.95	116.82	.004	.115
41			Silo	2.89		190.41	111.84	120.45	0	.004
42			Aero	1.04		136.60	117.20	129.70	0	.001
43			Base	4.80		309.40	100.00	100.00	0	0
44	49	Skirt			282.14	68.45	100.82	101.11	.064	.039
45			Silo	17.57		68.02	100.35	100.60	.004	.002
46			Aero	3.33		67.80	100.64	101.12	.001	0
47			Base	40.60		69.10	101.70	102.76	.009	.006
48		MISSILE			948.13					
49			Silo	32.20						
50			Aero	21.25						
51			Base	58.71						
52			Jett	284.13						

* Boeing Section Stations (See Missile Station Diagram)
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3.43 MISSILE NO. 784 WEIGHT AND BALANCE SUMMARY MAJOR COMPONENTS S/N 0000287						REPORT NO. _____ DATE _____				
LINE	SEC.	DESCRIPTION	DATA	EXPENDED WEIGHT (LB)	TOTAL WEIGHT (LB)	CENTER OF GRAVITY			INERTIA SLUG FT ² x10-3	
						LONG.*	LAT.	VERT.	ROLL	PITCH
1	41	RV Spacer								
2			Silo							
3			Aero							
4	39	CTLI Section								
5			Silo							
6			Aero							
7	42	G&C Section			1.02	80.94	100.00	100.00	0	0
8			Silo							
9			Aero							
10	44	3rd Stage Engine			17.68	98.95	106.36	111.25	0	.003
11			Silo	.43		94.95	110.30	117.70	0	0
12			Aero	.80		94.95	110.30	117.70	0	0
13			Base	.20		131.00	100.00	100.00	0	0
14	45	Interstage 2-3 (Fwd)			119.40	59.83	100.29	101.57	.010	.006
15			Silo							
16			Aero							
17			Base	2.81		57.33	107.51	108.65	0	0
18			Silo	1.92		61.11	101.01	101.74	0	0
19		Jettisoned	Aero	3.40		61.59	100.27	100.47	0	0
20		Portion	Base							
21			Jett	86.79		61.76	99.17	100.77	.008	.005
22	45	Interstage 2-3 (Aft)			62.98	80.59	99.30	101.42	.006	.003
23			Silo	1.18		80.97	100.50	100.84	0	0
24			Aero	1.18		82.00	103.07	105.23	0	0
25	46	2nd Stage Engine			33.05	146.82	105.95	110.37	.001	.018
26			Silo	.63		99.62	112.30	121.20	0	0
27			Aero	.53		99.62	112.30	121.20	0	0
28			Base	1.80		189.25	100.00	100.00	0	0
29	47	Interstage 1-2 (Fwd)			243.59	67.27	99.57	101.56	.032	.022
30			Silo							
31			Aero							
32			Base	3.10		64.06	112.35	115.53	0	0
33			Silo	4.21		66.61	100.32	100.55	.001	0
34		Jettisoned	Aero	7.56		66.87	100.10	100.17	.001	.001
35		Portion	Base	5.40		67.09	100.27	100.76	.001	0
36			Jett	198.85		68.96	98.70	101.04	.028	.018
37	47	Interstage 1-2 (Aft)			129.49	96.90	100.81	99.82	.024	.014
38			Silo	3.37		96.69	100.34	100.59	.001	0
39			Aero	3.41		97.71	101.98	103.41	.001	0
40	48	1st Stage Engine			61.29	226.89	109.96	116.83	.004	.115
41			Silo	2.89		190.41	111.84	120.45	0	.004
42			Aero	1.04		136.60	117.20	129.70	0	.001
43			Base	4.80		309.40	100.00	100.00	0	0
44	49	Skirt			282.29	68.58	100.98	101.24	.064	.039
45			Silo	17.57		68.02	100.35	100.60	.004	.002
46			Aero	3.33		67.80	100.64	101.12	.001	0
47			Base	40.60		69.10	101.70	102.76	.009	.006
48		MISSILE			950.79					
49			Silo	32.20						
50			Aero	21.25						
51			Base	58.71						
52			Jett	285.64						

* Boeing Section Stations (See Missile Station Diagram)
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3.44 MISSILE NO. 785 WEIGHT AND BALANCE SUMMARY MAJOR COMPONENTS S/N 0000273						REPORT NO. _____ DATE _____				
LINE	SEC.	DESCRIPTION	DATA	EXPENDED WEIGHT (LB)	TOTAL WEIGHT (LB)	CENTER OF GRAVITY			INERTIA SLUG FT ² x10-3	
						LONG.*	LAT.	VERT.	ROLL	PITCH
1	41	RV Spacer								
2			Silo							
3			Aero							
4	39	CTLI Section								
5			Silo							
6			Aero							
7	42	G&C Section			1.02	80.94	100.00	100.00	0	0
8			Silo							
9			Aero							
10	44	3rd Stage Engine			17.56	98.71	106.40	111.33	0	.003
11			Silo	.43		94.95	110.30	117.70	0	0
12			Aero	.80		94.95	110.30	117.70	0	0
13			Base	.20		131.00	100.00	100.00	0	0
14	45	Interstage 2-3 (Fwd)			119.25	59.81	100.21	101.52	.010	.006
15			Silo							
16			Aero							
17			Base	2.81		57.33	107.51	108.65	0	0
18			Silo	1.92		61.11	101.01	101.74	0	0
19		Jettisoned	Aero	3.40		61.59	100.27	100.47	0	0
20		Portion	Base							
21			Jett	86.64		61.74	99.06	100.70	.008	.005
22	45	Interstage 2-3 (Aft)			62.88	80.59	99.30	101.42	.006	.003
23			Silo	1.18		80.97	100.50	100.84	0	0
24			Aero	1.18		82.00	103.07	105.23	0	0
25	46	2nd Stage Engine			33.05	146.71	105.95	110.37	.001	.018
26			Silo	.63		99.62	112.30	121.20	0	0
27			Aero	.53		99.62	112.30	121.20	0	0
28			Base	1.80		189.25	100.00	100.00	0	0
29	47	Interstage 1-2 (Fwd)			243.21	67.06	99.49	101.41	.032	.022
30			Silo							
31			Aero							
32			Base	3.10		64.06	112.35	115.53	0	0
33			Silo	4.21		66.61	100.32	100.55	.001	0
34		Jettisoned	Aero	7.56		66.87	100.10	100.17	.001	.001
35		Portion	Base	5.40		67.09	100.27	100.76	.001	0
36			Jett	198.47		68.70	98.59	100.85	.028	.018
37	47	Interstage 1-2 (Aft)			129.27	96.90	100.81	99.82	.024	.014
38			Silo	3.37		96.69	100.34	100.59	.001	0
39			Aero	3.41		97.71	101.98	103.41	.001	0
40	48	1st Stage Engine			61.55	227.27	109.91	116.70	.004	.115
41			Silo	2.89		190.41	111.84	120.45	0	.004
42			Aero	1.04		136.60	117.20	129.70	0	.001
43			Base	4.80		309.40	100.00	100.00	0	0
44	49	Skirt			281.44	68.62	100.89	101.22	.004	.039
45			Silo	17.57		68.02	100.35	100.60	.004	.002
46			Aero	3.33		67.80	100.64	101.12	.001	0
47			Base	40.60		69.10	101.70	102.76	.009	.006
48		MISSILE			949.23					
49			Silo	32.20						
50			Aero	21.25						
51			Base	58.71						
52			Jett	285.11						

* Boeing Section Stations (See Missile Station Diagram)
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3.45 MISSILE NO. 786 WEIGHT AND BALANCE SUMMARY MAJOR COMPONENTS S/N 0000283						REPORT NO. _____ DATE _____				
LINE	SEC.	DESCRIPTION	DATA	EXPENDED WEIGHT (LB)	TOTAL WEIGHT (LB)	CENTER OF GRAVITY			INERTIA SLUG FT ² x10-3	
						LONG.*	LAT.	VERT.	ROLL	PITCH
1	41	RV Spacer								
2			Silo							
3			Aero							
4	39	CTLI Section								
5			Silo							
6			Aero							
7	42	G2C Section			1.02	80.94	100.00	100.00	0	0
8			Silo							
9			Aero							
10	44	3rd Stage Engine			17.64	98.87	106.37	111.28	0	.003
11			Silo	.43		94.95	110.30	117.70	0	0
12			Aero	.80		94.95	110.30	117.70	0	0
13			Base	.20		131.00	100.00	100.00	0	0
14	45	Interstage 2-3			119.79	59.79	100.21	101.54	.010	.006
15		(Fwd)	Silo							
16			Aero							
17			Base	2.81		57.33	107.51	108.65	0	0
18			Silo	1.92		61.11	101.01	101.74	0	0
19		Jettisoned	Aero	3.40		61.59	100.27	100.47	0	0
20		Portion	Base							
21			Jett	87.18		61.69	99.07	100.74	.008	.005
22	45	Interstage 2-3			63.24	80.59	99.30	101.42	.006	.003
23		(Aft)	Silo	1.18		80.97	100.50	100.84	0	0
24			Aero	1.18		82.00	103.07	105.23	0	0
25	46	2nd Stage Engine			32.63	146.23	106.03	110.51	.001	.018
26			Silo	.63		99.62	112.30	121.20	0	0
27			Aero	.53		99.62	112.30	121.20	0	0
28			Base	1.80		189.25	100.00	100.00	0	0
29	47	Interstage 1-2			243.26	67.23	99.55	101.59	.032	.022
30		(Fwd)	Silo							
31			Aero							
32			Base	3.10		64.06	112.35	115.53	0	0
33			Silo	4.21		66.61	100.32	100.55	.001	0
34		Jettisoned	Aero	7.56		66.87	100.10	100.17	.001	.001
35		Portion	Base	5.40		67.09	100.27	100.76	.001	0
36			Jett	198.52		68.91	98.67	101.06	.028	.018
37	47	Interstage 1-2			129.77	96.90	100.81	99.82	.024	.014
38		(Aft)	Silo	3.37		96.69	100.34	100.59	.001	0
39			Aero	3.41		97.71	101.98	103.41	.001	0
40	48	1st Stage Engine			61.66	227.44	109.90	116.73	.004	.115
41			Silo	2.89		190.41	111.84	120.45	0	.004
42			Aero	1.04		136.60	117.20	129.70	0	.001
43			Base	4.80		309.40	100.00	100.00	0	0
44	49	Skirt			281.04	68.63	100.84	101.17	.064	.039
45			Silo	17.57		68.02	100.35	100.60	.004	.002
46			Aero	3.33		67.80	100.64	101.12	.001	0
47			Base	40.60		69.10	101.70	102.76	.009	.006
48		MISSILE			950.05					
49			Silo	32.20						
50			Aero	21.25						
51			Base	58.71						
52			Jett	285.70						

* Boeing Section Stations (See Missile Station Diagram)
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3.46 WEIGHT AND BALANCE SUMMARY MEAN WEIGHT COMPONENTS**						REPORT NO. _____ DATE _____				
LINE	SEC.	DESCRIPTION	DATA	EXPENDED WEIGHT (LB)	TOTAL WEIGHT (LB)	CENTER OF GRAVITY			INERTIA SLUG FT ² /10-3	
						LONG.	LAT.	VERT.	ROLL	PITCH
1	41	RV Spacer								
2			Silo							
3			Aero							
4	39	CTLI Section								
5			Silo							
6			Aero							
7	42	G&C Section			1.02	60.94	100.00	100.00		
8			Silo							
9			Aero							
10	44	3rd Stage Engine			11.66	81.30	109.62	117.03		
11			Silo							
12			Aero							
13			Base							
14	45	Interstage 2-3			19.15	52.56	104.69	107.69		
15		(Fwd)	Silo							
16			Aero							
17			Base							
18			Silo							
19		Jettisoned	Aero							
20		Portion	Base							
21		Jett	Jett	8.29		60.97	99.18	104.55		
22	45	Interstage 2-3			7.43	60.38	98.27	96.68		
23		(Aft)	Silo							
24			Aero							
25	46	2nd Stage Engine			17.35	105.35	111.34	119.76		
26			Silo							
27			Aero							
28			Base							
29	47	Interstage 1-2			22.07	64.57	105.21	112.14		
30		(Fwd)	Silo							
31			Aero							
32			Base							
33			Silo							
34		Jettisoned	Aero							
35		Portion	Base							
36		Jett	Jett	9.31		68.96	96.19	111.21		
37	47	Interstage 1-2			6.66	95.43	101.34	96.46		
38		(Aft)	Silo							
39			Aero							
40	48	1st Stage Engine			36.11	162.93	116.90	128.57		
41			Silo							
42			Aero							
43			Base							
44	40	Skirt			7.99	59.41	112.04	118.15		
45			Silo							
46			Aero							
47			Base							
48		MISSILE			131.46					
49			Silo							
50			Aero							
51			Base							
52			Jett							

* Boeing Section Stations (See Missile Diagram)
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** See pages 11 through 55 for details
of these items.

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1 Use actual data for each deflector.
2 Excludes EWS 5-62 added at Air Force Plant 77. (See item 4g)

CHECK LIST NO.		4.3 MISSILE WEIGHING CHECK LIST		RECORD OF CHECKING (DATE)			
DATE		MODEL WS-133A		FINAL ASSEMBLY DRAWING NO. 21-50150-4		Mo Day Yr	
SECTION		MISSILE NO. WING II		COMPONENT			
MISSILE COMPONENT 2-3 Interstage		COMPONENT PART NO. Noted		LAUNCH			
DESCRIPTION		PART NO.	WEIGHT	X ARM	Y ARM	Z ARM	BASIC WEIGHT
5a	Body Section	25-36103-1	1.1				x
5b	Interstage Instl.	25-36812-1	3.19	66.93	100.17	100.30	x
5c	Conduit Support Set	25-36381-1	2.34	68.15	110.46	118.14	x
5d	Instl-Fwd R/W Cap	25-36046-3	.09	54.43	109.20	116.00	x
5e	Instl-Aft R/W Cap	25-36046-2	.10	83.05	111.00	119.00	x
5f	Accelerometer Installation	25-33281-2	.15	78.30	97.10	115.60	x
5g	Support Comp-Elec Cable	25-27523-5	2.90	57.16	110.85	114.87	x
5h	Instl-Elec Cable Support	25-27524-6	.24	67.72	110.31	109.05	x
5i	Insul Comp-Fasteners & Joints	25-37125-17	.56	55.01	97.06	95.81	x
5j	Bracket Comp-Cable Disc.	25-27235-3	6.13	62.85	111.02	111.04	x
5k	Disc. Bracket Instl.	25-27227-6	.22	64.19	111.24	111.37	x
5l	Ord. Assy. Sep. & Skirt Removal	25-26856-1	4.56	65.04	93.11	97.58	x
5m	Ord. Instl-Joint Sev.	25-27238-2	.10	74.65	85.50	93.69	x
5n	S&A Device	10-20436-5	2.84	78.10	90.50	81.50	x
5o	EIS 5-62 Inst. at Plant 77		3.18	62.94	102.50	107.84	x

1> Use actual data for each body section.

2> Excludes EIS 5-62 added at Air Force Plant 77. (See item 5o)

1) Use actual data for each deflector.

2) Excludes EIS 5-62 added at Air Force Plant 77 (See Item 2-1)

CHECK LIST NO.		4.5 MISSILE WEIGHING CHECK LIST		RECORD OF CHECKING (DATE)									
DATE		MODEL WS-133A FINAL ASSEMBLY DRAWING NO. 21-50150-4		Mo Day Yr									
SECTION 47		MISSILE NO. Wing II		COMPONENT									
MISSILE COMPONENT 1-2 Interstage		COMPONENT PART NO. Noted		LAUNCH									
ITEM NUMBER	DESCRIPTION	PART NO.	WEIGHT	X ARM	Y ARM	Z ARM	BASIC WEIGHT	AS WEIGHED	REMOTE SITE SHIPMENT	AS RECEIVED	REMOTE SITE	AS WEIGHED	REMOTE SITE
7a	Body Section	25-36101-1	1.1					x					
7b	Interstage Instl.	25-36478-1	2.52	79.35	99.88	100.32	x						
7c	Conduit Support Set	25-36381-1	2.36	88.86	115.58	127.07	x						
7d	Instl-Fwd R/W Cap	25-36046-2	.09	53.50	110.20	119.50	x						
7e	Instl-Aft R/W Cap	25-36046-1	.09	105.77	116.20	128.00	x						
7f	Support Comp-Elec Cable	25-27523-5	2.17	59.34	112.43	118.28	x						
7g	Instl-Elec Cable Support	25-27524-6	.40	83.74	109.13	114.73	x						
7h	Insul Comp-Fasteners & Joints	25-37125-17	.57	60.98	95.42	97.49	x						
7i	Bracket Comp-Cable Disc.	25-27234-3	16.11	66.87	114.13	114.13	x						
7j	Disc. Bracket Instl	25-27221-1	.23	70.66	120.19	120.32	x						
7k	Ord. Assy-Sep. & Skirt Removal	25-26855-1	6.04	72.72	88.20	105.50	x						
7l	Ord. Instl-Joint Sev.	25-27238-1	.16	84.16	82.66	94.21	x						
7m	S&A Device	10-20436-5	2.84	89.40	92.00	73.00	x						
7n	ES 5-62 Instl. at Plant 77		3.15	73.58	102.87	112.20	x						

1> Use actual data for each body section.

2> Excludes ES 5-62 added at Air Force Plant 77. (See item 7n)

11. Use actual data for each deflector.

5.0

**ENGINEERING CHANGE PROPOSAL (ECP) INCORPORATION
APPLICABLE TO WING II MISSILES 735-786**

The following ECP's have not been incorporated into "Model Specification, Guided Missile Main Assemblage (S-133-1000-0-1)" dated 15 March 1963. However, the mass properties of these ECP's have been incorporated into this report unless otherwise noted. ECP's applicable to the CTLI components will be found in D2-13943-2, "Flight Article Mass Properties for CTLI Installations".

All changes incorporated in components at time of delivery to Plant 77 have been incorporated in the Model Specification.

2-5550-0-78

SERIAL NUMBER: 0000230				6.1.1 ACTUAL WEIGHT RECORD - INTERSTAGE 2-3			
U/O MISSILE 740		DRAWING NO. 25-27204-1		CHECK LIST NO. 5		REPORT NO. OPR-2114	
MISSILE MODEL WS-133		DCN A		REPORTED BY JH/WB		PAGE NO.	
CONFIGURATION TAH		ADCN 12		CHECKED BY		DATE 5/3/63	

(FIGURE I)

LONGITUDINAL REFERENCE DATUM

(FIGURE II)

VERTICAL REFERENCE DATUM

WEIGHING DATA				DIMENSIONAL DATA			
REACTION	GR. WT.	TARE	CORR.	REACTION	GR. WT.	TARE	CORR.
R1	103.50	65.50		R5	61.90	28.90	
R2	113.50	70.80		R6	80.45	35.65	
R3	95.75	64.60		R7	66.90	28.75	
R4	115.00	70.25		R8	73.65	33.00	
TOTAL	427.75	271.15	156.60	TOTAL	282.90	126.30	156.60

LONGITUDINAL C.G.				VERTICAL C.G.			
REACTION	NET WT.	ARM	MOMENT	REACTION	NET WT.	ARM	MOMENT
R1	38.00	47.343		R5	33.00	100.000	
R2	42.70	47.354		R6	44.80	72.501	
R3	31.15	88.351		R7	38.15	100.000	
R4	44.75	88.351		R8	40.65	127.499	
AS WGD	156.60	87.22	10,526.8	AS WGD	156.60	100.90	15,801.5

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CHECK LIST NO.	6.1.1 MISSILE WEIGHING CHECK LIST	RECORD OF CHECKING (DATE)										
		Mo	Day	Yr								
DATE	MODEL WS-133 FINAL ASSEMBLY DRAWING NO.											
SECTION 45	MISSILE NO. 740											
MISSILE COMPONENT Body Section-Guided Missile COMPONENT PART NO. Noted												
ITEM NUMBER	DESCRIPTION	PART NO.	WEIGHT	X ARM	Y ARM	Z ARM	BASIC WEIGHT	AS WEIGHED	REMOTE SITE SHIPMENT	AS RECEIVED REMOTE SITE	ADCN	REV. USED ON DCM
	Body Section Assembly	25-36103-1					-	-				
	Interstage Assembly - Structural	25-36102-1					x	x				
	Cork Insulation Installation	25-37084-1					x	x				
	Instr. Rack & Accelerometer	25-31659-4					x	x				
	Marking Instl. - Section 45	25-30134-28					x	x				
	Cover - Insulating	29-24652-2					x	x				
	Cover - Insulating	29-25598-1					x	x				
	Cover - Insulating (3)	29-23365-1					x	x				
	Cover - Insulating (8)	29-23365-2					x	x				
	Cover - Insulating (7)	29-23365-3					x	x				
	Cover - Insulating (4)	29-23365-4					x	x				
	Cover - Insulating	29-23365-5					x	x				
	Cover - Insulating	29-23365-6					x	x				
	Seal - Forward	(2) 29-23674-1					x	x				
	Door - Access, Ordnance	(3) 29-22673-3					x	x				
	Closure Panel - Access, Ordnance	29-22672-2					x	x				
	Door - Access, Ignitor Stage II	29-22361-4					x	x				
	Closure Panel - Access, Booster Skirt	29-22021-5					x	x				
	Door - Access, Detonator	26-11373-1					x	x				
	Door - Access, Ignitor Stage III	26-11885-4					x	x				
	Door - Access, CTLI	26-12909-1					x	x				
	Plug - Screw, Insulated	(2) 26-15247-2					x	x				
	Sleeve	26-14713-1					x	x				
	Bolt - 100° Head	(6) BAC B30EM-3-3					x	x				
	Bolt - 100° Head	(4) BAC B30EM-3-4					x	x				
	Bolt - 100° Head	(14) BAC B30EM-4-6					x	x				
	Bolt - 100° Head	(8) BAC B30EM-4-7					x	x				
	Bolt - 100° Head	(41) BAC B30EM-4-10					x	x				
	Bolt - 100° Head	(3) BAC B30EM-5-3					x	x				
	Bolt - 100° Head	(6) BAC B30EM-4-4					x	x				

[illegible]

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6.1.1		WEIGHT AND BALANCE CHANGE RECORD										
ASSOCIATE CONTRACTOR <u>BOEING</u>		CONTRACT NO. <u>AF04(694)-046</u>		REPORT NO. <u>OPR-2114</u>								
COMPONENT <u>INTERSTAGE 2-3</u>		LOT NO.		DATE <u>5/3/63</u>								
MODEL NO. <u>WS-133</u>		DRAWING NO. <u>25-36103-1</u>		PREPARED <u>JIM HILL</u>								
SERIAL NO. <u>0000230</u>		U.O. MISSILE <u>740</u>		APPROVED <u>G. ROBERTS</u>								
EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE										
PART NO.	DESCRIPTION OF EQUIPMENT	WEIGHT	X AXIS		Y AXIS		Z AXIS					
			ARM	MOMENT	ARM	MOMENT	ARM	MOMENT	ARM	MOMENT		
1												
2	25-36103-1 Body Section (As Weighed)	156.60	67.22	10,526.8	99.27	15,545.9	100.90	15,801.5				
3												
4												
5	ADD:	0										
6												
7												
8	DEDUCT:	0										
9												
10												
11	25-36103-1 Body Section (Complete)	156.60	67.22	10,526.8	99.27	15,545.9	100.90	15,801.5				
12												
13												
14												
15												
16												
17												
18												
19												
20												
21												
22												
23												
24												
25												
26												
27												
28												
29												
30												
31												
32												

6.1.2		WEIGHT AND BALANCE CHANGE RECORD				
ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AFO4(694)-046		REPORT NO.	OPR-2147
COMPONENT	INTERSTAGE 2-3	LOT NO.			DATE	6/4/63
MODEL NO.	WS-133	DRAWING NO.	25-36103-1		PREPARED	JIM HILL
SERIAL NO.	0000234	U.O. MISSILE	775		APPROVED	G. OGARD

EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
PART NO.	DESCRIPTION OF EQUIPMENT	WEIGHT	X AXIS		Y AXIS		Z AXIS	
			ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1								
2	25-36103-1 Body Section (As Weighed)	156.10	67.24	10,490.2	99.37	15,502.4	101.05	15,763.5
3								
4								
5	ADD:	0						
6								
7								
8	DEDUCT:	0						
9								
10								
11	25-36103-1 Body Section (Complete)	156.10	67.24	10,490.2	99.37	15,502.4	101.05	15,763.5
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								
31								
32								



6.1.3		WEIGHT AND BALANCE CHANGE RECORD									
ASSOCIATE CONTRACTOR		BOEING		CONTRACT NO.		AF04(594)-46		REPORT NO.		OPR-2115	
COMPONENT		INTERSTAGE 2-3		LOT NO.				DATE		5/7/63	
MODEL NO.		WS-133		DRAWING NO.		25-36103-1		PREPARED		T. VOGEL	
SERIAL NO.		0000240		U.O. MISSILE		741		APPROVED		G. ROBERTS	

EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
PART NO.	DESCRIPTION OF EQUIPMENT	WEIGHT	X AXIS		Y AXIS		Z AXIS	
			ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1								
2	25-36103-1 Body Section (As Weighed)	157.20	67.43	10,600.4	99.36	15,619.6	100.97	15,872.6
3								
4								
5	ADD:	0						
6								
7								
8	DEDUCT:	0						
9								
10								
11	25-36103-1 Body Section (Complete)	157.20	67.43	10,600.4	99.36	15,619.6	100.97	15,872.6
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								
31								
32								



6.1.1.4 WEIGHT AND BALANCE CHANGE RECORD									
ASSOCIATE CONTRACTOR		BOEING		CONTRACT NO.		REPORT NO.		OFR-2118	
COMPONENT		INTERSTAGE 2-3		LOT NO.		DATE		5/9/63	
MODEL NO.		WS-133		DRAWING NO.		PREPARED		JIM HILL	
SERIAL NO.		0000241		U.O. MISSILE		APPROVED		G. ROBERTS	
EQUIPMENT CHANGE RECORD				WEIGHT AND BALANCE					
LINE	PART NO.	DESCRIPTION OF EQUIPMENT	WEIGHT	X AXIS		Y AXIS		Z AXIS	
				ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1	25-36103-1	Body Section (As Weighed)	156.65	67.32	10,545.6	99.29	15,553.6	101.07	15,832.7
2									
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36103-1	Body Section (Complete)	156.65	67.32	10,545.6	99.29	15,553.6	101.07	15,832.7
12									
13									
14									
15									
16									
17									
18									
19									
20									
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29									
30									
31									
32									

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6.1.5 WEIGHT AND BALANCE CHANGE RECORD											
ASSOCIATE CONTRACTOR		BOEING		CONTRACT NO.		AF04(694)-046		REPORT NO.		OPR-2121	
COMPONENT		INTERSTAGE 2-3		LOT NO.				DATE		5/8/63	
MODEL NO.		WS-133		DRAWING NO.		25-36103-1		PREPARED		JTM HILL	
SERIAL NO.		0000242		U.O. MISSILE		748		APPROVED		G. ROBERTS	
EQUIPMENT CHANGE RECORD				WEIGHT AND BALANCE							
LINE	PART NO.	DESCRIPTION OF EQUIPMENT		WEIGHT	X AXIS		Y AXIS		Z AXIS		
					ARM	MOMENT	ARM	MOMENT	ARM	MOMENT	
1											
2	25-36103-1	Body Section (As Weighed)		157.50	67.33	10,604.3	99.42	15,657.9	100.88	15,688.8	
3											
4											
5		ADD:		0							
6											
7											
8		DEDUCT:		0							
9											
10											
11	25-36103-1	Body Section (Complete)		157.50	67.33	10,604.3	99.42	15,657.9	100.88	15,688.8	
12											
13											
14											
15											
16											
17											
18											
19											
20											
21											
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6.1.6 WEIGHT AND BALANCE CHANGE RECORD											
ASSOCIATE CONTRACTOR		BOEING		CONTRACT NO.		AF04(694)-046		REPORT NO.		OPR-2124	
COMPONENT		INTERSTAGE 2-3		LOT NO.				DATE		5/16/63	
MODEL NO.		WS-133		DRAWING NO.		25-36103-1		PREPARED		R. ST. ROMAIN	
SERIAL NO.		0000243		U.O. MISSILE		751		APPROVED		B. WARRENDER	
EQUIPMENT CHANGE RECORD				WEIGHT AND BALANCE							
PART NO.		DESCRIPTION OF EQUIPMENT		WEIGHT		X AXIS		Y AXIS		Z AXIS	
						ARM		MOMENT		ARM	
1	25-36103-1	Body Section (As Weighed)		157.20		67.37	10,590.1	99.32	15,612.8	101.01	15,879.4
2											
3											
4											
5		ADD:		0							
6											
7											
8		DEDUCT:		0							
9											
10											
11	25-36103-1	Body Section (Complete)		157.20		67.37	10,590.1	99.32	15,612.8	101.01	15,879.4
12											
13											
14											
15											
16											
17											
18											
19											
20											
21											
22											
23											
24											
25											
26											
27											
28											
29											
30											
31											
32											

6.1.7 WEIGHT AND BALANCE CHANGE RECORD									
ASSOCIATE CONTRACTOR		BOEING		CONTRACT NO.		AF04(694)-046		REPORT NO.	
COMPONENT		INTERSTAGE 2-3		LOT NO.				DATE	
MODEL NO.		WS-133		DRAWING NO.		25-36103-1		PREPARED	
SERIAL NO.		0000244		U.O. MISSILE		754		APPROVED	
								W. BAIRD	
								G. OGARD	
EQUIPMENT CHANGE RECORD				WEIGHT AND BALANCE					
LINE	PART NO.	DESCRIPTION OF EQUIPMENT	WEIGHT	X AXIS		Y AXIS		Z AXIS	
				ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1	25-36103-1	Body Section (As Weighed)	156.35	67.37	10,533.5	99.26	15,519.5	100.87	15,771.1
2									
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36103-1	Body Section (Complete)	156.35	67.37	10,533.5	99.26	15,519.5	100.87	15,771.1
12									
13									
14									
15									
16									
17									
18									
19									
20									
21									
22									
23									
24									
25									
26									
27									
28									
29									
30									
31									
32									



6.1.1.6 WEIGHT AND BALANCE CHANGE RECORD									
ASSOCIATE CONTRACTOR BOEING		CONTRACT NO. AFO4(694)-Q46		REPORT NO. OFR-2113					
COMPONENT INTERSTAGE 2-3		LOT NO.		DATE 5/2/63					
MODEL NO. WS-133		DRAWING NO. 25-36103-1		PREPARED JIM HILL					
SERIAL NO. 0000249		U.O. MISSILE 739		APPROVED G. ROBERTS					
EQUIPMENT CHANGE RECORD				WEIGHT AND BALANCE					
PART NO.	DESCRIPTION OF EQUIPMENT	WEIGHT	X AXIS ARM	X AXIS MOMENT	Y AXIS ARM	Y AXIS MOMENT	Z AXIS ARM	Z AXIS MOMENT	
1									
2	25-36103-1 Body Section (As Weighed)	157.35	67.17	10,568.6	99.33	15,619.1	100.98	15,879.0	
3									
4									
5	ADD:	0							
6									
7									
8	DEDUCT:	0							
9									
10									
11	25-36103-1 Body Section (Complete)	157.35	67.17	10,568.6	99.33	15,619.1	100.98	15,879.0	
12									
13									
14									
15									
16									
17									
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6.1.9 WEIGHT AND BALANCE CHANGE RECORD											
ASSOCIATE CONTRACTOR		BOEING		CONTRACT NO.		AF04(694)-046		REPORT NO.		OPR-2116	
COMPONENT		INTERSTAGE 2-3 LOT NO.		DRAWING NO.		25-36103-1		DATE		5/7/63	
MODEL NO.		WS-133		U.O. MISSILE		742		PREPARED		T. VOGEL	
SERIAL NO.		0000250						APPROVED		G. ROBERTS	

EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE							
LINE	PART NO.	DESCRIPTION OF EQUIPMENT	WEIGHT	X AXIS		Y AXIS		Z AXIS	
				ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1									
2	25-36103-1	Body Section (As Weighed)	157.55	67.31	10,604.6	99.35	15,651.9	100.99	15,911.7
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36103-1	Body Section (Complete)	157.55	67.31	10,604.6	99.35	15,651.9	100.99	15,911.7
12									
13									
14									
15									
16									
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6.1.1.10 WEIGHT AND BALANCE CHANGE RECORD											
ASSOCIATE CONTRACTOR		BOEING		CONTRACT NO.		AF04(594)-046		REPORT NO.		OPR-2119	
COMPONENT		INTERSTAGE 2-3		LOT NO.				DATE		5/10/63	
MODEL NO.		WS-133		DRAWING NO.		25-36103-1		PREPARED		JIM HILL	
SERIAL NO.		0000251		U.O. MISSILE		746		APPROVED		G. ROBERTS	
EQUIPMENT CHANGE RECORD				WEIGHT AND BALANCE							
LINE	PART NO.	DESCRIPTION OF EQUIPMENT	WEIGHT	X AXIS		Y AXIS		Z AXIS			
				ARM	MOMENT	ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1	25-36103-1	Body Section (As Weighed)	156.75	67.37	10,560.6	99.39	15,578.8	100.95	15,824.8		
2											
3											
4											
5		ADD:	0								
6											
7											
8		DEDUCT:	0								
9											
10											
11	25-36103-1	Body Section (Complete)	156.75	67.37	10,560.6	99.39	15,578.8	100.95	15,824.8		
12											
13											
14											
15											
16											
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BOEING

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6.1.1.1 WEIGHT AND BALANCE CHANGE RECORD											
ASSOCIATE CONTRACTOR COMPONENT		BOEING INTERSTAGE 2-3		CONTRACT NO. AFO4(594)-046		REPORT NO. OPR-2122					
MODEL NO.		.WS-133		LOT NO.		DATE		5/10/63			
SERIAL NO.		0000252		DRAWING NO. 25-36103-1		PREPARED		R. HOLCOMB			
				U.O. MISSILE 749		APPROVED		G. ROBERTS			
EQUIPMENT CHANGE RECORD				WEIGHT AND BALANCE							
PART NO.		DESCRIPTION OF EQUIPMENT		WEIGHT		X AXIS		Y AXIS		Z AXIS	
						ARM		MOMENT		ARM	
1	25-36103-1	Body Section (As Weighed)	157.50	67.34	10,606.5	99.33	15,644.1	101.00	15,908.1		
2											
3											
4											
5		ADD:	0								
6											
7											
8		DEDUCT:	0								
9											
10											
11	25-36103-1	Body Section (Complete)	157.50	67.34	10,606.5	99.33	15,644.1	101.00	15,908.1		
12											
13											
14											
15											
16											
17											
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BOEING

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6.1.1.2 WEIGHT AND BALANCE CHANGE RECORD									
ASSOCIATE CONTRACTOR COMPONENT		BOEING INTERSTAGE 2-3 WS-133		CONTRACT NO. AFO4(694)-046		REPORT NO. OPR-2125			
MODEL NO.		DRAWING NO. 25-36103-1		DATE PREPARED W. BAIRD		DATE 5/16/63			
SERIAL NO.		U.O. MISSILE 0000253		APPROVED G. OGARD					
EQUIPMENT CHANGE RECORD				WEIGHT AND BALANCE					
PART NO.	DESCRIPTION OF EQUIPMENT	WEIGHT	X AXIS ARM	X AXIS MOMENT	Y AXIS ARM	Y AXIS MOMENT	Z AXIS ARM	Z AXIS MOMENT	
1									
2	25-36103-1 Body Section (As Weighed)	157.05	67.23	10,558.3	99.30	15,595.0	100.91	15,847.7	
3									
4									
5	ADD:	0							
6									
7									
8	DEDUCT:	0							
9									
10									
11	25-36103-1 Body Section (Complete)	157.05	67.23	10,558.3	99.30	15,595.0	100.91	15,847.7	
12									
13									
14									
15									
16									
17									
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6.1.13 WEIGHT AND BALANCE CHANGE RECORD									
ASSOCIATE CONTRACTOR		BOEING		CONTRACT NO.		AF04(694)-046		REPORT NO.	
COMPONENT		INTERSTAGE 2-3		LOT NO.				DATE	
MODEL NO.		WS-133		DRAWING NO.		25-36103-1		PREPARED	
SERIAL NO.		0000254		U.O. MISSILE		755		APPROVED	
								G. OGARD	
EQUIPMENT CHANGE RECORD				WEIGHT AND BALANCE					
LINE	PART NO.	DESCRIPTION OF EQUIPMENT	WEIGHT	X AXIS		Y AXIS		Z AXIS	
				ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1	225-36103-1	Body Section (As Weighed)	156.35	67.29	10,521.1	99.28	15,522.3	100.96	15,784.8
2									
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	225-36103-1	Body Section (Complete)	156.35	67.29	10,521.1	99.28	15,522.3	100.96	15,784.8
12									
13									
14									
15									
16									
17									
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6.1.1.14 WEIGHT AND BALANCE CHANGE RECORD											
ASSOCIATE CONTRACTOR		BOEING		CONTRACT NO.		AFO4(694)-046		REPORT NO.		OPR-2117	
COMPONENT		INTERSTAGE 2-3		LOT NO.				DATE		5/8/63	
MODEL NO.		WS-133		DRAWING NO.		25-36103-1		PREPARED		JTM HILL	
SERIAL NO.		0000255		U.O. MISSILE		743		APPROVED		G. ROBERTS	

EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
PART NO.	DESCRIPTION OF EQUIPMENT	WEIGHT	X AXIS		Y AXIS		Z AXIS	
			ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1								
2	25-36103-1 Body Section (As Weighed)	157.60	67.21	10,592.6	99.40	15,665.1	101.00	15,918.0
3								
4								
5	ADD:	0						
6								
7								
8	DEDUCT:	0						
9								
10								
11	25-36103-1 Body Section (Complete)	157.60	67.21	10,592.6	99.40	15,665.1	101.00	15,918.0
12								
13								
14								
15								
16								
17								
18								
19								
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6.1.1.5 WEIGHT AND BALANCE CHANGE RECORD									
ASSOCIATE CONTRACTOR		BOEING		CONTRACT NO.		AF04(694)-046		REPORT NO.	
COMPONENT		INTERSTAGE 2-3		LOT NO.				DATE	
MODEL NO.		WS-133		DRAWING NO.		25-36103-1		PREPARED	
SERIAL NO.		0000256		U.O. MISSILE		747		APPROVED	
								JTM HILL	
								G. ROBERTS	
LINE	PART NO.	DESCRIPTION OF EQUIPMENT	WEIGHT	X AXIS		Y AXIS		Z AXIS	
				ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1	25-36103-1	Body Section (As Weighed)	157.00	67.38	10,578.6	99.29	15,588.6	101.04	15,863.5
2									
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36103-1	Body Section (Complete)	157.00	67.38	10,578.6	99.29	15,588.6	101.04	15,863.5
12									
13									
14									
15									
16									
17									
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6.1.1.16		WEIGHT AND BALANCE CHANGE RECORD	
ASSOCIATE CONTRACTOR BOEING		CONTRACT NO. AFO4(694)-046	
COMPONENT INTERSTAGE 2-3		REPORT NO. OPR-2123	
MODEL NO. WS-133		DATE 5/13/63	
SERIAL NO. 0000257		PREPARED JIM HILL	
		APPROVED G. OGARD	

EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
PART NO.	DESCRIPTION OF EQUIPMENT	WEIGHT	X AXIS		Y AXIS		Z AXIS	
			ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1								
2	25-36103-1 Body Section (As Weighed)	156.95	67.28	10,559.8	99.33	15,589.1	101.00	15,851.6
3								
4								
5	ADD:	0						
6								
7								
8	DEDUCT:	0						
9								
10								
11	25-36103-1 Body Section (Complete)	156.95	67.28	10,559.8	99.33	15,589.1	101.00	15,851.6
12								
13								
14								
15								
16								
17								
18								
19								
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6.1.17 WEIGHT AND BALANCE CHANGE RECORD											
ASSOCIATE CONTRACTOR		BOEING		CONTRACT NO.		AF04(694)-046		REPORT NO.		OFR-2126	
COMPONENT		INTERSTAGE 2-3		LOT NO.				DATE		5/16/63	
MODEL NO.		WS-133		DRAWING NO.		25-36103-1		PREPARED		W. BAIRD	
SERIAL NO.		000258		U.O. MISSILE		753		APPROVED		G. OGARD	
EQUIPMENT CHANGE RECORD				WEIGHT AND BALANCE							
PART NO.	DESCRIPTION OF EQUIPMENT	WEIGHT	X AXIS ARM	X AXIS MOMENT	Y AXIS ARM	Y AXIS MOMENT	Z AXIS ARM	Z AXIS MOMENT			
1											
2	25-36103-1 Body Section (As Weighed)	157.15	67.18	10,556.9	99.29	15,603.6	100.94	15,863.4			
3											
4											
5	ADD:	0									
6											
7											
8	DEDUCT:	0									
9											
10											
11	25-36103-1 Body Section (Complete)	157.15	67.18	10,556.9	99.29	15,603.6	100.94	15,863.4			
12											
13											
14											
15											
16											
17											
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6.1.18 WEIGHT AND BALANCE CHANGE RECORD											
ASSOCIATE CONTRACTOR		BOEING		CONTRACT NO.		AF04(694)-046		REPORT NO.		OPR-2129	
COMPONENT		INTERSTAGE 2-3		LOT NO.				DATE		5/17/63	
MODEL NO.		WS-133		DRAWING NO.		25-36103-1		PREPARED		R. ST. ROWAIN	
SERIAL NO.		0000259		U.O. MISSILE		756		APPROVED		B. WARRENDER	

EQUIPMENT CHANGE RECORD			WEIGHT AND BALANCE					
PART NO.	DESCRIPTION OF EQUIPMENT	WEIGHT	X AXIS		Y AXIS		Z AXIS	
			ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1								
2	Body Section (As Weighed)	156.25	67.19	10,498.0	99.30	15,515.0	100.98	15,777.6
3								
4								
5	AUD:	0						
6								
7								
8	DEDUCT:	0						
9								
10								
11	Body Section (Complete)	156.25	67.19	10,498.0	99.30	15,515.0	100.98	15,777.6
12								
13								
14								
15								
16								
17								
18								
19								
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21								
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6.1.19 WEIGHT AND BALANCE CHANGE RECORD											
ASSOCIATE CONTRACTOR		BOEING		CONTRACT NO.		AF04(64)-046		REPORT NO.		OPR-2133	
COMPONENT		INTERSTAGE 2-3		LOT NO.				DATE		5/20/63	
MODEL NO.		WS-133		DRAWING NO.		25-36103-1		PREPARED		JIM HILL	
SERIAL NO.		0000260		U.O. MISSILE		760		APPROVED		G. OGARD	
EQUIPMENT CHANGE RECORD				WEIGHT AND BALANCE							
PART NO.		DESCRIPTION OF EQUIPMENT		WEIGHT		X AXIS		Y AXIS		Z AXIS	
						ARM		MOMENT		ARM	
1	25-36103-1	Body Section (As Weighed)		156.35	67.32	10,525.3	99.38	15,537.4	101.04	15,797.2	
2											
3											
4											
5		ADD:		0							
6											
7											
8		DEDUCT:		0							
9											
10											
11	25-36103-1	Body Section (Complete)		156.35	67.32	10,525.3	99.38	15,537.4	101.04	15,797.2	
12											
13											
14											
15											
16											
17											
18											
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29											
30											
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6.1.20 WEIGHT AND BALANCE CHANGE RECORD									
ASSOCIATE CONTRACTOR BOEING		CONTRACT NO. AF04(694)-046		REPORT NO. OPR-2136					
COMPONENT INTERSTAGE 2-3		LOT NO.		DATE 5/27/63					
MODEL NO. WS-133		DRAWING NO. 25-36103-1		PREPARED R. ST. ROMAIN					
SERIAL NO. 0000261		U.O. MISSILE 763		APPROVED B. WARRENDER					
EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE							
PART NO.	DESCRIPTION OF EQUIPMENT	WEIGHT	X AXIS		Y AXIS		Z AXIS		
			ARM	MOMENT	ARM	MOMENT	ARM	MOMENT	
1									
2	25-36103-1 Body Section (As Weighed)	156.75	67.35	10,556.5	99.28	15,562.3	100.96	15,824.8	
3									
4									
5	ADD:	0							
6									
7									
8	DEDUCT:	0							
9									
10									
11	25-36103-1 Body Section (Complete)	156.75	67.35	10,556.5	99.28	15,562.3	100.96	15,824.8	
12									
13									
14									
15									
16									
17									
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6.1.2E WEIGHT AND BALANCE CHANGE RECORD											
ASSOCIATE CONTRACTOR		BOEING		CONTRACT NO.		AF04(694)-046		REPORT NO.		OPR-2139	
COMPONENT		INTERSTAGE 2-3		LOT NO.				DATE		5/28/63	
MODEL NO.		HS-133		DRAWING NO.		25-36103-1		PREPARED		R. HOLCOMB	
SERIAL NO.		0000262		U.O. MISSILE		766		APPROVED		B. WARRENDER	

EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
PART NO.	DESCRIPTION OF EQUIPMENT	WEIGHT	X AXIS		Y AXIS		Z AXIS	
			ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1								
2	25-36103-1 Body Section (As Weighed)	155.80	67.38	10,497.2	99.39	15,485.1	101.08	15,749.0
3								
4								
5	ADD:	0						
6								
7								
8	DEDUCT:	0						
9								
10								
11	25-36103-1 Body Section (Complete)	155.80	67.38	10,497.2	99.39	15,485.1	101.08	15,749.0
12								
13								
14								
15								
16								
17								
18								
19								
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21								
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6.1.22 WEIGHT AND BALANCE CHANGE RECORD									
ASSOCIATE CONTRACTOR BOEING		CONTRACT NO. AF04(691)-046		REPORT NO. OPR-2142					
COMPONENT INTERSPACE 2-3		LOT NO.		DATE 5/31/63					
MODEL NO. WS-133		DRAWING NO. 25-36103-1		PREPARED R. HOLCOMB					
SERIAL NO. 0000263		U.O. MISSILE 769		APPROVED B. WARREN					
EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE							
PART NO.	DESCRIPTION OF EQUIPMENT	WEIGHT	X AXIS		Y AXIS		Z AXIS		
			ARM	MOMENT	ARM	MOMENT	ARM	MOMENT	
1									
2	25-36103-1 Body Section (As Weighed)	156.80	67.38	10.565.0	99.31	15.571.4	100.97	15.832.5	
3									
4									
5	ADD:	0							
6									
7									
8	DEDUCT:	0							
9									
10									
11	25-36103-1 Body Section (Complete)	156.80	67.38	10.565.0	99.31	15.571.4	100.97	15.832.5	
12									
13									
14									
15									
16									
17									
18									
19									
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6.1.1.23 WEIGHT AND BALANCE CHANGE RECORD											
ASSOCIATE CONTRACTOR		BOEING		CONTRACT NO.		AF04(694)-046		REPORT NO.			
COMPONENT		INTERSTAGE 2-3		LOT NO.				DATE			
MODEL NO.		WS-133		DRAWING NO.		25-36103-1		PREPARED			
SERIAL NO.		0000264		U.O. MISSILE		773		APPROVED			
								G. OGARD			
EQUIPMENT CHANGE RECORD				WEIGHT AND BALANCE							
PART NO.		DESCRIPTION OF EQUIPMENT		WEIGHT		X AXIS		Y AXIS		Z AXIS	
						ARM		MOMENT		ARM	
1	25-36103-1	Body Section (As Weighed)		155.80	67.31	10,486.9	99.38	15,483.8	100.99	15,733.9	
2											
3											
4											
5		ADD:		0							
6											
7											
8		DEDUCT:		0							
9											
10											
11	25-36103-1	Body Section (Complete)		155.80	67.31	10,486.9	99.38	15,483.8	100.99	15,733.9	
12											
13											
14											
15											
16											
17											
18											
19											
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30											
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6.1.1.24		WEIGHT AND BALANCE CHANGE RECORD									
ASSOCIATE CONTRACTOR		BOEING		CONTRACT NO.		AF04(694)-046		REPORT NO.		0PR-2131	
COMPONENT		INTERSTAGE 2-3		LOT NO.				DATE		5/21/63	
MODEL NO.		WS-133		DRAWING NO.		25-36103-1		PREPARED		W. BAIRD	
SERIAL NO.		0000265		U.O. MISSILE		758		APPROVED		G. OGARD	
EQUIPMENT CHANGE RECORD				WEIGHT AND BALANCE							
LINE	PART NO.	DESCRIPTION OF EQUIPMENT	WEIGHT	X AXIS		Y AXIS		Z AXIS			
				ARM	MOMENT	ARM	MOMENT	ARM	MOMENT		
1	225-36103-1	Body Section (As Weighed)	156.65	67.21	10,529.1	99.30	15,555.0	101.03	15,825.8		
2											
3											
4											
5		ADD:	0								
6											
7											
8		DEDUCT:	0								
9											
10											
11	25-36103-1	Body Section (Complete)	156.65	67.21	10,529.1	99.30	15,555.0	101.03	15,825.8		
12											
13											
14											
15											
16											
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6.1.25 WEIGHT AND BALANCE CHANGE RECORD											
ASSOCIATE CONTRACTOR BOEING		CONTRACT NO.		REPORT NO.		DATE		PREPARED		APPROVED	
COMPONENT INTERSTAGE 2-3		LOT NO.		AF04(694)-046		5/22/63		W. BAIRD		G. OGDEN	
MODEL NO. WS-133		DRAWING NO.		25-36103-1							
SERIAL NO. 0000266		U.O. MISSILE		761							
EQUIPMENT CHANGE RECORD				WEIGHT AND BALANCE							
LINE	PART NO.	DESCRIPTION OF EQUIPMENT	WEIGHT	X AXIS		Y AXIS		Z AXIS			
				ARM	MOMENT	ARM	MOMENT	ARM	MOMENT		
1											
2	25-36103-1	Body Section (As Weighed)	156.85	67.23	10,544.9	99.24	15,565.4	100.96	15,836.1		
3											
4											
5		ADD:	0								
6											
7											
8		DEDUCT:	0								
9											
10											
11	25-36103-1	Body Section (Complete)	156.85	67.23	10,544.9	99.24	15,565.4	100.96	15,836.1		
12											
13											
14											
15											
16											
17											
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6.1.26 WEIGHT AND BALANCE CHANGE RECORD											
ASSOCIATE CONTRACTOR		BOEING		CONTRACT NO.		AF04(694)-046		REPORT NO.		OPR-2137	
COMPONENT		INTERSTAGE 2-3		LOT NO.				DATE		5/29/63	
MODEL NO.		WS-133		DRAWING NO.		25-36103-1		PREPARED		W. BAIRD	
SERIAL NO.		0000267		U.O. MISSILE		764		APPROVED		G. CGARD	
EQUIPMENT CHANGE RECORD				WEIGHT AND BALANCE							
LINE	PART NO.	DESCRIPTION OF EQUIPMENT	WEIGHT	X AXIS		Y AXIS		Z AXIS			
				ARM	MOMENT	ARM	MOMENT	ARM	MOMENT		
1	25-36103-1	Body Section (As Weighed)	156.50	67.44	10,544.9	92.36	15,549.6	100.96	15,722.8		
2											
3											
4											
5		ADD:	0								
6											
7											
8		DEDUCT:	0								
9											
10											
11	25-36103-1	Body Section (Complete)	156.50	67.44	10,544.9	92.36	15,549.6	100.96	15,722.8		
12											
13											
14											
15											
16											
17											
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6.1.27		WEIGHT AND BALANCE CHANGE RECORD							
ASSOCIATE CONTRACTOR		BOEING		CONTRACT NO. APO4(694)-046					
COMPONENT		INTERSTAGE 2-3		REPORT NO. OPR-2140					
MODEL NO.		WS-133		DATE 5/28/63					
SERIAL NO.		0000268		PREPARED W. BAIRD					
		U.O. MISSILE		APPROVED G. OGARD					
		767							
EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE							
PART NO.	DESCRIPTION OF EQUIPMENT	WEIGHT		X AXIS		Y AXIS		Z AXIS	
		ARM	MOMENT	ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1									
2	25-36080-1 Body Section (As Weighed)	155.53	61.37	10,479.3	22.34	15,451.9	101.01	15,711.6	
3									
4									
5	ADD:	0							
6									
7									
8	DEDUCT:	0							
9									
10									
11	25-36080-1 Body Section (As Weighed)								
12									
13									
14									
15									
16									
17									
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6.1.28		WEIGHT AND BALANCE CHANGE RECORD									
ASSOCIATE CONTRACTOR		BOEING		CONTRACT NO.		AF04(694)-046		REPORT NO.		OPR-2144	
COMPONENT		INTERSTAGE 2-3		LOT NO.				DATE		6/3/63	
MODEL NO.		WS-133		DRAWING NO.		25-36103-1		PREPARED		R. ST. ROMAIN	
SERIAL NO.		000269		U.O. MISSILE		772		APPROVED		B. WARENDER	

EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
PART NO.	DESCRIPTION OF EQUIPMENT	WEIGHT	X AXIS		Y AXIS		Z AXIS	
			ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1								
2	25-36103-1 Body Section (As Weighed)	155.00	67.44	10,493.8	92.25	15,459.6	101.02	15,718.0
3								
4								
5	ADD:	0						
6								
7								
8	DEDUCT:	0						
9								
10								
11	25-36103-1 Body Section (As Weighed)	155.00	67.44	10,493.8	92.25	15,459.6	101.02	15,718.0
12								
13								
14								
15								
16								
17								
18								
19								
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6.1.29 WEIGHT AND BALANCE CHANGE RECORD									
ASSOCIATE CONTRACTOR BOEING		CONTRACT NO. AFO4(694)-046		REPORT NO. OPR-2146					
COMPONENT INTERSTAGE 2-3		LOT NO.		DATE 6/1/63					
MODEL NO. WS-133		DRAWING NO. 25-36103-1		PREPARED JTM HILL					
SERIAL NO. 0000270		U.O. MISSILE 774		APPROVED G. OGARD					
EQUIPMENT CHANGE RECORD			WEIGHT AND BALANCE						
PART NO.	DESCRIPTION OF EQUIPMENT	WEIGHT	X AXIS ARM	X AXIS MOMENT	Y AXIS ARM	Y AXIS MOMENT	Z AXIS ARM	Z AXIS MOMENT	
1	225-36103-1 Body Section (As Weighed)	155.90	67.27	10,487.7	96.28	15,493.8	100.92	15,722.2	
2									
3									
4									
5	ADD:	0							
6									
7									
8	DEDUCT:	0							
9									
10									
11	225-36103-1 Body Section (Complete)	155.90	67.27	10,487.7	96.28	15,493.8	100.92	15,722.2	
12									
13									
14									
15									
16									
17									
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6.1.30		WEIGHT AND BALANCE CHANGE RECORD			
ASSOCIATE CONTRACTOR <u>BOEING</u>		CONTRACT NO. <u>AFO4(694)-046</u>		REPORT NO. <u>OPR-2150</u>	
COMPONENT <u>INTERSTAGE 2-3</u>		LOT NO. <u>25-36103-1</u>		DATE <u>6/5/63</u>	
MODEL NO. <u>WS-133</u>		DRAWING NO. <u>25-36103-1</u>		PREPARED <u>JHM HILL</u>	
SERIAL NO. <u>0000271</u>		U.O. MISSILE <u>779</u>		APPROVED <u>G. OGARD</u>	

EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE							
LINE	PART NO.	DESCRIPTION OF EQUIPMENT	WEIGHT	X AXIS		Y AXIS		Z AXIS	
				ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1									
2	25-36103-1	Body Section (As Weighed)	156.65	67.35	10,549.7	99.36	15,564.6	100.98	15,618.9
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36103-1	Body Section (Complete)	156.65	67.35	10,549.7	99.36	15,564.6	100.98	15,618.9
12									
13									
14									
15									
16									
17									
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6.1.31		WEIGHT AND BALANCE CHANGE RECORD							
ASSOCIATE CONTRACTOR <u>BOEING</u>		CONTRACT NO. <u>AFO4(694)-016</u>		REPORT NO. <u>OPR-2153</u>					
COMPONENT <u>INTERSTAGE 2-3</u>		LOT NO.		DATE <u>6/6/63</u>					
MODEL NO. <u>WS-133</u>		DRAWING NO. <u>25-36103-1</u>		PREPARED <u>T. VOGEL</u>					
SERIAL NO. <u>0000272</u>		U.O. MISSILE		APPROVED <u>G. OGARD</u>					
EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE							
LINE	PART NO.	DESCRIPTION OF EQUIPMENT	WEIGHT	X AXIS		Y AXIS		Z AXIS	
				ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1	25-36103-1	Body Section (As Weighed)	156.50	67.12	10,503.6	99.34	15,546.9	100.99	15,805.3
2									
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36103-1	Body Section (Complete)	156.50	67.12	10,503.6	99.34	15,546.9	100.99	15,805.3
12									
13									
14									
15									
16									
17									
18									
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6.1.32 WEIGHT AND BALANCE CHANGE RECORD											
ASSOCIATE CONTRACTOR		BOEING		CONTRACT NO.		AFOL(694)-046		REPORT NO.		OPR-2156	
COMPONENT		INTERSTAGE 2-3		LOT NO.				DATE		6/12/63	
MODEL NO.		WS-133		DRAWING NO.		25-36103-1		PREPARED		R. HOLCOMB	
SERIAL NO.		0000273		U.O. MISSILE		785		APPROVED		B. WARRENDER	

EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE							
LINE	PART NO.	DESCRIPTION OF EQUIPMENT	WEIGHT	X AXIS		Y AXIS		Z AXIS	
				ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1									
2	25-36103-1	Body Section (As Weighed)	155.55	67.29	10,466.9	99.39	15,460.1	100.95	15,703.4
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36103-1	Body Section (Complete)	155.55	67.29	10,466.9	99.39	15,460.1	100.95	15,703.4
12									
13									
14									
15									
16									
17									
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6.1.1.33		WEIGHT AND BALANCE CHANGE RECORD									
ASSOCIATE CONTRACTOR <u>BOEING</u>		CONTRACT NO. <u>AF04(694)-046</u>		REPORT NO. <u>OPR-2130</u>							
COMPONENT <u>INTERSTAGE 2-3</u>		LOT NO.		DATE <u>5/17/63</u>							
MODEL NO. <u>WS-133</u>		DRAWING NO. <u>25-36103-1</u>		PREPARED <u>W. BAIRD</u>							
SERIAL NO. <u>000275</u>		U.O. MISSILE <u>757</u>		APPROVED <u>G. OGARD</u>							

EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
PART NO.	DESCRIPTION OF EQUIPMENT	WEIGHT	X AXIS		Y AXIS		Z AXIS	
			ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1								
2	Body Section (As Weighed)	156.65	67.31	10,543.6	99.27	15,550.9	101.07	15,832.7
3								
4								
5	ADD:	0						
6								
7								
8	DEDUCT:	0						
9								
10								
11	Body Section (Complete)	156.65	67.31	10,543.6	99.27	15,550.9	101.07	15,832.7
12								
13								
14								
15								
16								
17								
18								
19								
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6.1.34 WEIGHT AND BALANCE CHANGE RECORD									
ASSOCIATE CONTRACTOR		BOEING		CONTRACT NO. AF04(694)-046		REPORT NO. OPR-2135			
COMPONENT		INTERSTAGE 2-3		LOT NO.		DATE 5/27/63			
MODEL NO.		WS-133		DRAWING NO. 25-36103-1		PREPARED R. HOLCOMB			
SERIAL NO.		0000276		U.O. MISSILE 762		APPROVED B. WARRENDER			
EQUIPMENT CHANGE RECORD				WEIGHT AND BALANCE					
LINE	PART NO.	DESCRIPTION OF EQUIPMENT	WEIGHT	X AXIS		Y AXIS		Z AXIS	
				ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1									
2	25-36103-1	Body Section (As Weighed)	156.20	67.25	10,503.8	99.25	15,503.1	100.98	15,772.5
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36103-1	Body Section (Complete)	156.20	67.25	10,503.8	99.25	15,503.1	100.98	15,772.5
12									
13									
14									
15									
16									
17									
18									
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6.1.35		WEIGHT AND BALANCE CHANGE RECORD			
ASSOCIATE CONTRACTOR <u>BOEING</u>		CONTRACT NO. <u>AR04(604)-046</u>		REPORT NO. <u>OPR-2138</u>	
COMPONENT <u>INTERSTAGE 2-3</u>		LOT NO.		DATE <u>5-27-63</u>	
MODEL NO. <u>WS-133</u>		DRAWING NO. <u>25-36103-1</u>		PREPARED <u>T. VOGEL</u>	
SERIAL NO. <u>000277</u>		U.O. MISSILE <u>765</u>		APPROVED <u>G. OGARD</u>	

EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
PART NO.	DESCRIPTION OF EQUIPMENT	WEIGHT	X AXIS		Y AXIS		Z AXIS	
			ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1								
2	Body Section (As Weighed)	156.25	67.32	10,518.5	99.37	15,526.0	100.96	15,774.8
3								
4								
5	ADD:	0						
6								
7								
8	DEDUCT:	0						
9								
10								
11	Body Section (Complete)	156.25	67.32	10,518.5	99.37	15,526.0	100.96	15,774.8
12								
13								
14								
15								
16								
17								
18								
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6.1.36		WEIGHT AND BALANCE CHANGE RECORD									
ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AR04(694)-046			REPORT NO.	OPR-2141				
COMPONENT	INTERSTAGE 2-3	LOT NO.				DATE	5/29/63				
MODEL NO.	WS-133	DRAWING NO.	25-36103-1			PREPARED	W. BAIRD				
SERIAL NO.	0000278	U.O. MISSILE	768			APPROVED	G. OGARD				

EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
PART NO.	DESCRIPTION OF EQUIPMENT	WEIGHT	X AXIS		Y AXIS		Z AXIS	
			ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1								
2	25-36103-1 Body Section (As Weighed)	156.75	67.48	10,576.9	99.45	15,588.4	100.89	15,815.2
3								
4								
5	AUD:	0						
6								
7								
8	REDUCT:	0						
9								
10								
11	25-36103-1 Body Section (Complete)	156.75	67.48	10,576.9	99.45	15,588.4	100.89	15,815.2
12								
13								
14								
15								
16								
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6.1.37		WEIGHT AND BALANCE CHANGE RECORD			
ASSOCIATE CONTRACTOR BOEING		CONTRACT NO. AF04(694)-046		REPORT NO. QPR-2143	
COMPONENT INTERSTAGE 2-3		LOT NO.		DATE 5/29/63	
MODEL NO. WS-133		DRAWING NO. 25-36103-1		PREPARED T. VOGEL	
SERIAL NO. 0000279		U.O. MISSILE		APPROVED G. OGARD	

EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
PART NO.	DESCRIPTION OF EQUIPMENT	WEIGHT	X AXIS		Y AXIS		Z AXIS	
			ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1	225-36103-1 Body Section (As Weighed)	156.00	67.49	10,529.2	99.36	15,499.6	100.98	15,752.5
2								
3								
4								
5	ADD:	0						
6								
7								
8	DEDUCT:	0						
9								
10								
11	225-36103-1 Body Section (Complete)	156.00	67.49	10,529.2	99.36	15,499.6	100.98	15,752.5
12								
13								
14								
15								
16								
17								
18								
19								
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6.1.38 WEIGHT AND BALANCE CHANGE RECORD									
ASSOCIATE CONTRACTOR BOEING		CONTRACT NO. AF04(694)-046		REPORT NO. OFR-2148					
COMPONENT INTERSTAGE 2-3		LOT NO.		DATE 6/4/63					
MODEL NO. WS-133		DRAWING NO. 25-36103-1		PREPARED JIM HILL					
SERIAL NO. 000280		U.O. MISSILE 777		APPROVED G. OGARD					

EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
PART NO.	DESCRIPTION OF EQUIPMENT	WEIGHT	X AXIS		Y AXIS		Z AXIS	
			ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1								
2	Body Section (As Weighed)	157.15	67.31	10,577.5	99.36	15,614.6	100.94	15,863.4
3								
4								
5	ADD:	0						
6								
7								
8	DEDUCT:	0						
9								
10								
11	Body Section (Complete)	157.15	67.31	10,577.5	99.36	15,614.6	100.94	15,863.4
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								
25								
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6.1.39 WEIGHT AND BALANCE CHANGE RECORD									
ASSOCIATE CONTRACTOR		BOEING		CONTRACT NO.		AF04(694)-046		REPORT NO.	
COMPONENT		INTERSTAGE 2-3		LOT NO.				DATE	
MODEL NO.		WS-133		DRAWING NO.		25-36103-1		PREPARED	
SERIAL NO.		0000281		U.O. MISSILE		780		APPROVED	
								T. VOGEL	
								G. OGARD	
EQUIPMENT CHANGE RECORD				WEIGHT AND BALANCE					
PART NO.	DESCRIPTION OF EQUIPMENT	WEIGHT	X AXIS		Y AXIS		Z AXIS		
			ARM	MOMENT	ARM	MOMENT	ARM	MOMENT	
1									
2	Body Section (As Weighed)	155.70	67.21	10,465.8	99.36	15,471.0	101.02	15,729.4	
3									
4									
5	ADD:	0							
6									
7									
8	DEDUCT:	0							
9									
10									
11	Body Section (Complete)	155.70	67.21	10,465.8	99.36	15,471.0	101.02	15,729.4	
12									
13									
14									
15									
16									
17									
18									
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6.1.40		WEIGHT AND BALANCE CHANGE RECORD	
ASSOCIATE CONTRACTOR BOEING		CONTRACT NO.	AF04(694)-046
COMPONENT INTERSTAGE 2-3		REPORT NO.	OPR-2154
MODEL NO. WS-133		DATE	6/10/63
SERIAL NO. 0000282		PREPARED	R. HOLCOMB
		APPROVED	B. WARRENDER

EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE							
LINE	PART NO.	DESCRIPTION OF EQUIPMENT	WEIGHT	X AXIS		Y AXIS		Z AXIS	
				ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1									
2	25-36103-1	Body Section (As Weighed)	155.60	67.34	10,477.5	99.31	15,452.8	101.01	15,716.6
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36103-1	Body Section (Complete)	155.60	67.34	10,477.5	99.31	15,452.8	101.01	15,716.6
12									
13									
14									
15									
16									
17									
18									
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ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AF04(694)-046	REPORT NO.	OPR-2157
COMPONENT	INTERSTAGE 2-3	LOT NO.		DATE	6/12/63
MODEL NO.	WS-133	DRAWING NO.	25-36103-1	PREPARED	R. HOLOMB
SERIAL NO.	0000283	U.O. MISSILE	786	APPROVED	B. WARRENDER

EQUIPMENT CHANGE RECORD			WEIGHT AND BALANCE						
PART NO.	DESCRIPTION OF EQUIPMENT	WEIGHT	X AXIS		Y AXIS		Z AXIS		
			ARM	MOMENT	ARM	MOMENT	ARM	MOMENT	
1									
2	Body Section (As Weighed)	156.45	67.27	10,524.0	99.39	15,550.1	100.97	15,796.2	
3									
4									
5	ADD:	0							
6									
7									
8	DEDUCT:	0							
9									
10									
11	Body Section (Complete)	156.45	67.27	10,524.0	99.39	15,550.1	100.97	15,796.2	
12									
13									
14									
15									
16									
17									
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6.1.42		WEIGHT AND BALANCE CHANGE RECORD				
ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AF04(694)-Q46		REPORT NO.	OPR-2149
COMPONENT	INTERSTAGE 2-3	LOT NO.			DATE	6/5/63
MODEL NO.	WS-133	DRAWING NO.	25-36103-1		PREPARED	JIM HILL
SERIAL NO.	0000285	U.O. MISSILE	T78		APPROVED	G. OGDARD

EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
PART NO.	DESCRIPTION OF EQUIPMENT	WEIGHT	X AXIS		Y AXIS		Z AXIS	
			ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1								
2	25-36103-1 Body Section (As Weighed)	155.80	67.14	10,460.3	99.36	15,481.0	101.02	15,739.4
3								
4								
5	ADD:	0						
6								
7								
8	DEDUCT:	0						
9								
10								
11	25-36103-1 Body Section (Complete)	155.80	67.14	10,460.3	99.36	15,481.0	101.02	15,739.4
12								
13								
14								
15								
16								
17								
18								
19								
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6.1.43 WEIGHT AND BALANCE CHANGE RECORD									
ASSOCIATE CONTRACTOR BOEING		CONTRACT NO.		REPORT NO.		DATE		OPR-2152	
COMPONENT INTERSTAGE 2-3		LOT NO.				6/6/63			
MODEL NO. WS-133		DRAWING NO.		25-36103-1		PREPARED		W. BAIRD	
SERIAL NO. 0000286		U.O. MISSILE		781		APPROVED		G. OGARD	
EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE							
PART NO.	DESCRIPTION OF EQUIPMENT	WEIGHT	X AXIS		Y AXIS		Z AXIS		
			ARM	MOMENT	ARM	MOMENT	ARM	MOMENT	
1									
2	25-36103-1 Body Section (As Weighed)	156.80	67.26	10,546.5	99.35	15,578.3	100.98	15,822.9	
3									
4									
5	ADD:	0							
6									
7									
8	DEDUCT:	0							
9									
10									
11	25-36103-1 Body Section (Complete)	156.80	67.26	10,546.5	99.35	15,578.3	100.98	15,822.9	
12									
13									
14									
15									
16									
17									
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6.1.44 WEIGHT AND BALANCE CHANGE RECORD									
ASSOCIATE CONTRACTOR		BOEING		CONTRACT NO.		AF04(694)-046		REPORT NO.	
COMPONENT		INTERSTAGE 2-3		LOT NO.				DATE	
MODEL NO.		WS-133		DRAWING NO.		25-36103-1		PREPARED	
SERIAL NO.		0000287		U.O. MISSILE		784		APPROVED	
								B. WARRENDER	
EQUIPMENT CHANGE RECORD				WEIGHT AND BALANCE					
PART NO.	DESCRIPTION OF EQUIPMENT	WEIGHT	X AXIS		Y AXIS		Z AXIS		
			ARM	MOMENT	ARM	MOMENT	ARM	MOMENT	
1									
2	25-36103-1 Body Section (As Weighed)	155.80	67.30	10,484.8	99.45	15,494.8	100.99	15,733.9	
3									
4									
5	ADD:	0							
6									
7									
8	DEDUCT:	0							
9									
10									
11	25-36103-1 Body Section (Complete)	155.80	67.30	10,484.8	99.45	15,494.8	100.99	15,733.9	
12									
13									
14									
15									
16									
17									
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6.1.45		WEIGHT AND BALANCE CHANGE RECORD	
ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AF04(694)-046
COMPONENT	INTERSTAGE 2-3	LOT NO.	
MODEL NO.	WS-133	DRAWING NO.	25-36103-1
SERIAL NO.	0000349	U.O. MISSILE	759
		REPORT NO.	OPR-2132
		DATE	5/21/63
		PREPARED	R. ST. ROMAIN
		APPROVED	B. WARRENER

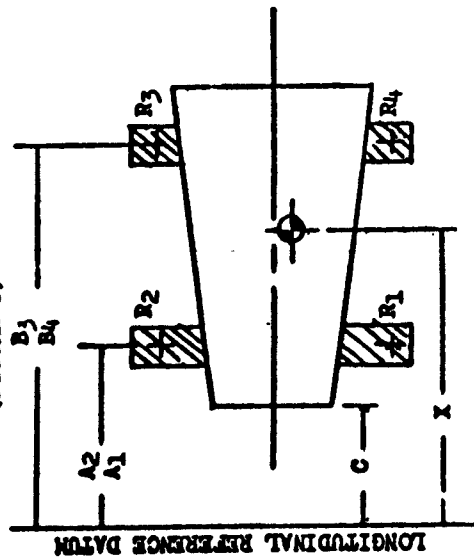
EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
PART NO.	DESCRIPTION OF EQUIPMENT	WEIGHT	X AXIS		Y AXIS		Z AXIS	
			ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1								
2	25-36103-1 Body Section (As Weighed)	156.95	67.35	10,570.0	99.34	15,591.9	100.96	15,846.2
3								
4								
5	ADD:	0						
6								
7								
8	DEDUCT:	0						
9								
10								
11	25-36103-1 Body Section (Complete)	156.95	67.35	10,570.0	99.34	15,591.9	100.96	15,846.2
12								
13								
14								
15								
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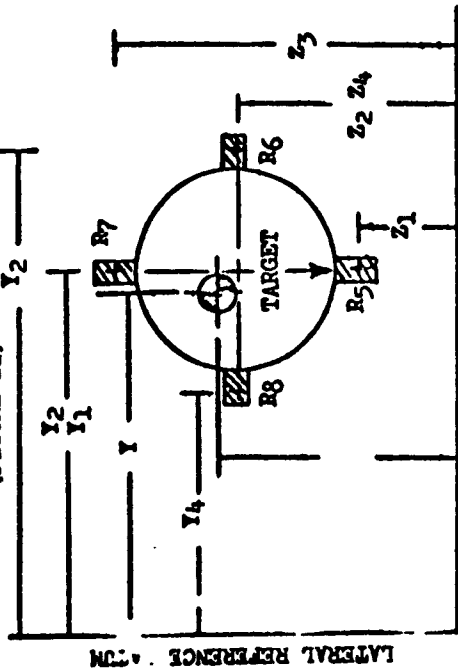
2-5550-0-77

SERIAL NUMBER: 0000230		6.2.1		ACTUAL WEIGHT RECORD - INTERSTAGE 1-2	
U/O MISSILE 740		DRAWING NO. 25-27201-1		CHECK LIST NO. 7	
MISSILE MODEL WS-133		DCN C		REPORTED BY TV-WB	
CONFIGURATION TAH		ADCN 17		CHECKED BY GVR	
				PAGE NO. OPR-2114	
				DATE 5/7/63	

(FIGURE 1)



(FIGURE 11)



VERTICAL REFERENCE DATUM

WEIGHING DATA

REACTION	GR. WT.	TARE	CORR.	NET WT.	REACTION	GR. WT.	TARE	CORR.	NET WT.	DIM.	INCHES	DIM.	INCHES
R1	223.50	146.40		77.10	R5	146.75	33.60		113.15	A1	49.072	Z1	100.000
R2	180.75	79.75		101.00	R6	89.45	30.95		58.50	A2	49.070	Z2	72.501
R3	199.90	129.15		70.75	R7	150.50	33.45		117.05	B3	109.070	Z3	100.000
R4	157.15	63.30		93.85	R8	82.30	28.30		54.00	B4	109.070	Z4	127.499
TOTAL	761.30	418.60		342.70	TOTAL	469.00	126.30		342.70	C	50.000		

DIMENSIONAL DATA

DIM.	INCHES	DIM.	INCHES	DIM.	INCHES
A1	49.072	Z1	100.000	Y1	72.500
A2	49.070	Z2	72.501	Y2	100.000
B3	109.070	Z3	100.000	Y3	127.493
B4	109.070	Z4	127.499	Y4	100.000
C	50.000				

LONGITUDINAL C.G.

REACTION	NET WT.	ARM	MOMENT
R1	77.10	49.072	
R2	101.00	49.070	
R3	70.75	109.070	
R4	93.85	109.070	
AS WGD	342.70	77.89	26,692.4

LATERAL C.G.

REACTION	NET WT.	ARM	MOMENT
R5	113.15	100.000	
R6	58.50	72.501	
R7	117.05	100.000	
R8	54.00	127.499	
AS WGD	342.70	99.64	34,146.3

VERTICAL C.G.

REACTION	NET WT.	ARM	MOMENT
R5	113.15	72.500	
R6	58.50	100.000	
R7	117.05	127.493	
R8	54.00	100.000	
AS WGD	342.70	100.31	34,377.0

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SERIAL NUMBER: 0000230

CHECK LIST NO.		6.2.1		MISSILE WEIGHING CHECK LIST		RECORD OF CHECKING (DATE)						
DATE		MODEL WS-133		FINAL ASSEMBLY DRAWING NO.		Mo	Day	Yr				
SECTION 47		MISSILE NO. 740										
MISSILE COMPONENT Body Section-Guided Missile COMPONENT PART NO.		Noted										
ITEM NUMBER	DESCRIPTION	PART NO.	WEIGHT	X ARM	Y ARM	Z ARM	BASIC WEIGHT	AS WEIGHED	SHIPMENT	AS RECEIVED	ADCN	DCN
	Body Section Assembly	25-36101-1					-	-				
	Interstage Assembly - Structural	25-36100-1					x	x				
	Shield - Assembly of, Insulated	25-36101-2					x	x				
	Shield - Time Delay, Booster	25-29544-1					x	x				
	Cork Insulation Instl. - Exterior	25-37131-1					x	x				
	Plug - Access Hole	29-23663-1					x	x				
	Seal - Forward Adapter Ring (2)	29-24180-1					x	x				
	Door - Access Stage Separation	26-11886-1					x	x				
	Door - Access, Booster	26-11888-1					x	x				
	Door Assembly - Safe & Arm	29-20567-4					x	x				
	Closure Panel Ord. Access (117°)	29-28371-1					x	x				
	Door - Ordnance Access (4)	29-28391-1					x	x				
	Cover Panel Tie	29-23654-1					x	x				
	Cover Panel Tie	29-23654-2					x	x				
	Panel - Insulation	29-25565-1					x	x				
	Panel - Insulation	25-36383-1					x	x				
	Marking Installation	25-30134-29					x	x				
	Cover Receptacle	29-22725-1					x	x				
	Bolt - 100° Head	BAC B30EM-3-8					x	x				
	Bolt - 100° Head (33)	BAC B30EM-4-11					x	x				
	Bolt - 100° Head	BAC B30EM-4-9					x	x				
	Bolt - 100° Head (6)	BAC B30EM-4-5					x	x				
	Bolt - 100° Head (3)	BAC B30EM-3-4					x	x				
	Bolt - 100° Head	BAC B30EM-3-3					x	x				
	Bolt - 100° Head (4)	BAC B30EM-4-10					x	x				
	Bolt - 100° Head	BAC B30EM-4-19					x	x				
	Bolt - 100° Head	BAC B30EM-4-20					x	x				
	Bolt - 100° Head	BAC B30EM-41-9					x	x				
	Bolt - 100° Head	BAC B30EM-41-16					x	x				
	Bolt - 100° Head	BAC B30EM-4-4					x	x				

2-7824-0-26 A

[illegible]

6.2.1 WEIGHT AND BALANCE CHANGE RECORD											
ASSOCIATE CONTRACTOR		BOEING		CONTRACT NO.		AF04(694)-046		REPORT NO.		OPR-2114	
COMPONENT		INTERSTAGE 1-2 LOT NO.		DRAWING NO.		25-36101-1		DATE		5/7/63	
MODEL NO.		HS-133		U.O. MISSILE		740		PREPARED		T. VOGEL	
SERIAL NO.		0000230						APPROVED		G. ROBERTS	
EQUIPMENT CHANGE RECORD				WEIGHT AND BALANCE							
PART NO.	DESCRIPTION OF EQUIPMENT	WEIGHT	X AXIS ARM	X AXIS MOMENT	Y AXIS ARM	Y AXIS MOMENT	Z AXIS ARM	Z AXIS MOMENT			
1	25-36101-1	342.70	77.89	26,692.4	99.64	34,146.3	100.31	34,377.0			
2	Body Section (As Weighed)										
3											
4											
5	ADD:	0									
6											
7											
8	DEDUCT:	0									
9											
10											
11	25-36101-1	342.70	77.89	26,692.4	99.64	34,146.3	100.31	34,377.0			
12	Body Section (Complete)										
13											
14											
15											
16											
17											
18											
19											
20											
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6.2.2 WEIGHT AND BALANCE CHANGE RECORD									
ASSOCIATE CONTRACTOR COMPONENT		BOEING INTERSTAGE 1-2		CONTRACT NO. AFOL(64)-046		REPORT NO. OPR-2147			
MODEL NO. WS-133		DRAWING NO. 25-36101-1		DATE 6/3/63		PREPARED R. ST. ROMAINE			
SERIAL NO. 0000234		U.O. MISSILE		TTS		APPROVED B. WARRENDER			
EQUIPMENT CHANGE RECORD				WEIGHT AND BALANCE					
PART NO.	DESCRIPTION OF EQUIPMENT	WEIGHT	X AXIS		Y AXIS		Z AXIS		
			ARM	MOMENT	ARM	MOMENT	ARM	MOMENT	
1	25-36101-1 Body Section (As Weighed)	342.35	77.95	26,687.3	99.60	34,098.9	100.24	34,317.3	
2									
3									
4									
5	ADD:	0							
6									
7									
8	DEDUCT:	0							
9									
10									
11	25-36101-1 Body Section (Complete)	342.35	77.95	26,687.3	99.60	34,098.9	100.24	34,317.3	
12									
13									
14									
15									
16									
17									
18									
19									
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2-5550-0-11 R1

6.2.3 WEIGHT AND BALANCE CHANGE RECORD											
ASSOCIATE CONTRACTOR		BOEING		CONTRACT NO.		AF04(694)-046		REPORT NO.		OPR-2115	
COMPONENT		INTERSTAGE 1-2		LOT NO.				DATE		5/14/63	
MODEL NO.		WS-133		DRAWING NO.		25-36101-1		PREPARED		R. HOLCOMB	
SERIAL NO.		0000240		U.O. MISSILE		741		APPROVED		B. WARRENDER	

EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE							
UNIT	PART NO.	DESCRIPTION OF EQUIPMENT	WEIGHT	X AXIS		Y AXIS		Z AXIS	
				ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1	225-36101-1	Body Section (As Weighed)	342.30	77.85	26,648.8	99.67	34,117.3	100.31	34,337.0
2									
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	225-36101-1	Body Section (Complete)	342.30	77.85	26,648.8	99.67	34,117.3	100.31	34,337.0
12									
13									
14									
15									
16									
17									
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6.2.4 WEIGHT AND BALANCE CHANGE RECORD											
ASSOCIATE CONTRACTOR		BOEING		CONTRACT NO.		AFO4(694)-046		REPORT NO.		OPR-2118	
COMPONENT		INTERSTAGE 1-2		LOT NO.				DATE		5/8/63	
MODEL NO.		WS-133		DRAWING NO.		25-36101-1		PREPARED		JTM HILL	
SERIAL NO.		0000241		U.O. MISSILE		744		APPROVED		G. ROBERTS	
EQUIPMENT CHANGE RECORD				WEIGHT AND BALANCE							
PART NO.		DESCRIPTION OF EQUIPMENT		WEIGHT		X AXIS		Y AXIS		Z AXIS	
						ARM		ARM		ARM	
						MOMENT		MOMENT		MOMENT	
1											
2	25-36101-1	Body Section (As Weighed)		342.50		77.77	26,637.7	99.69	34,142.8	100.20	34,318.6
3											
4											
5			AID:	0							
6											
7											
8			DEDUCT:	0							
9											
10											
11	25-36101-1	Body Section (Complete)		342.50		77.77	26,637.7	99.69	34,142.8	100.20	34,318.6
12											
13											
14											
15											
16											
17											
18											
19											
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29											
30											
31											
32											



6.2.5 WEIGHT AND BALANCE CHANGE RECORD											
ASSOCIATE CONTRACTOR		BOEING		CONTRACT NO.		AF04(694)-046		REPORT NO.		OPR-2121	
COMPONENT		INTERSTAGE 1-2		LOT NO.				DATE		5/9/63	
MODEL NO.		WS-133		DRAWING NO.		25-36101-1		PREPARED		JIM HILL	
SERIAL NO.		0000242		U.O. MISSILE		748		APPROVED		G. ROBERTS	
EQUIPMENT CHANGE RECORD				WEIGHT AND BALANCE							
PART NO.	DESCRIPTION OF EQUIPMENT	WEIGHT	X AXIS		Y AXIS		Z AXIS				
			ARM	MOMENT	ARM	MOMENT	ARM	MOMENT			
1											
2	25-36101-1 Body Section (As Weighed)	341.50	77.96	26,624.6	99.55	33,997.4	100.38	34,280.4			
3											
4											
5	ADD:	0									
6											
7											
8	DEDUCT:	0									
9											
10											
11	25-36101-1 Body Section (Complete)	341.50	77.96	26,624.6	99.55	33,997.4	100.38	34,280.4			
12											
13											
14											
15											
16											
17											
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6.2.6 WEIGHT AND BALANCE CHANGE RECORD									
ASSOCIATE CONTRACTOR BOEING			CONTRACT NO. AFO4(694)-046		REPORT NO. OPR-224				
COMPONENT INTERSTAGE 1-2			LOT NO.		DATE 5/13/63				
MODEL NO. WS-133			DRAWING NO. 25-36101-1		PREPARED JIM HILL				
SERIAL NO. 0000243			U.O. MISSILES 751		APPROVED G. OGARD				
EQUIPMENT CHANGE RECORD				WEIGHT AND BALANCE					
ITEM	PART NO.	DESCRIPTION OF EQUIPMENT	WEIGHT	X AXIS		Y AXIS		Z AXIS	
				ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1	25-36101-1	Body Section (As Weighed)	340.50	77.88	26,518.5	99.61	33,918.0	100.32	34,159.8
2									
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36101-1	Body Section (Complete)	340.50	77.88	26,518.5	99.61	33,918.0	100.32	34,159.8
12									
13									
14									
15									
16									
17									
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6.2.7 WEIGHT AND BALANCE CHANGE RECORD									
ASSOCIATE CONTRACTOR BOEING		CONTRACT NO.		REPORT NO.		DATE		OFR-2127	
COMPONENT		LOT NO.		DATE		DATE		5/14/63	
MODEL NO.		DRAWING NO.		PREPARED		APPROVED		JIM HILL	
SERIAL NO.		U.O. MISSILE		754		G. OGARD			
EQUIPMENT CHANGE RECORD				WEIGHT AND BALANCE					
LINE	PART NO.	DESCRIPTION OF EQUIPMENT	WEIGHT	X AXIS		Y AXIS		Z AXIS	
				ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1	25-36101-1	Body Section (As Weighed)	341.30	78.06	26,641.8	99.63	34,004.9	100.33	34,241.2
2									
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36101-1	Body Section (Complete)	341.30	78.06	26,641.8	99.63	34,004.9	100.33	34,241.2
12									
13									
14									
15									
16									
17									
18									
19									
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BOEING

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6.2.8		WEIGHT AND BALANCE CHANGE RECORD									
ASSOCIATE CONTRACTOR		BOEING		CONTRACT NO.		AF04(694)-046		REPORT NO.		OPR-2113	
COMPONENT		INTERSTAGE 1-2		LOT NO.				DATE		5/6/63	
MODEL NO.		WS-133		DRAWING NO.		25-36101-1		PREPARED		W. BAIRD	
SERIAL NO.		0000249		U.O. MISSILES		739		APPROVED		G. ROBERTS	
EQUIPMENT CHANGE RECORD				WEIGHT AND BALANCE							
PART NO.		DESCRIPTION OF EQUIPMENT		WEIGHT		X AXIS		Y AXIS		Z AXIS	
						ARM		MOMENT		ARM	
1	25-36101-1	Body Section (As Weighed)		341.75		78.05	26,672.9	99.58	34,032.0	100.33	34,288.9
2											
3											
4											
5		ADD:		0							
6											
7											
8		DEDUCT:		0							
9											
10											
11	25-36101-1	Body Section (Complete)		341.75		78.05	26,672.9	99.58	34,032.0	100.33	34,288.9
12											
13											
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6.2.9 WEIGHT AND BALANCE CHANGE RECORD									
ASSOCIATE CONTRACTOR BOEING		CONTRACT NO. A704(694)-046		REPORT NO. OPR-2116					
COMPONENT INTERSTAGE 1-2		LOT NO.		DATE 5/8/63					
MODEL NO. WS-133		DRAWING NO. 25-36101-1		PREPARED JIM HILL					
SERIAL NO. 0000250		U.O. MISSILE 742		APPROVED G. ROBERTS					
EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE							
PART NO.	DESCRIPTION OF EQUIPMENT	WEIGHT	X AXIS		Y AXIS		Z AXIS		
			ARM	MOMENT	ARM	MOMENT	ARM	MOMENT	
1									
2	Body Section (As Weighed)	342.95	77.99	26,746.8	99.75	34,208.4	100.17	34,352.5	
3									
4									
5	ADD:	0							
6									
7									
8	DEDUCT:	0							
9									
10									
11	Body Section (Complete)	342.95	77.99	26,746.8	99.75	34,208.4	100.17	34,352.5	
12									
13									
14									
15									
16									
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6.2.10		WEIGHT AND BALANCE CHANGE RECORD	
ASSOCIATE CONTRACTOR <u>BOEING</u>		CONTRACT NO. <u>AF04(694)-046</u>	
COMPONENT <u>INTERSTAGE 1-2</u>		REPORT NO. <u>OPR-2119</u>	
MODEL NO. <u>WS-133</u>		DATE <u>5/9/63</u>	
SERIAL NO. <u>0000251</u>		PREPARED <u>JIM HILL</u>	
		APPROVED <u>G. ROBERTS</u>	
		DRAWING NO. <u>25-36101-1</u>	
		U.O. MISSILE <u>746</u>	

EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE							
ITEM	PART NO.	DESCRIPTION OF EQUIPMENT	WEIGHT	X AXIS		Y AXIS		Z AXIS	
				ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1	25-36101-1	Body Section (As Weighed)	342.30	77.92	26,672.9	99.55	34,077.4	100.40	34,365.9
2									
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36101-1	Body Section (Complete)	342.30	77.92	26,672.9	99.55	34,077.4	100.40	34,365.9
12									
13									
14									
15									
16									
17									
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6.2.11 WEIGHT AND BALANCE CHANGE RECORD											
ASSOCIATE CONTRACTOR		BOEING		CONTRACT NO.		AFOL(604)-046		REPORT NO.		OPR-2122	
COMPONENT		INTERSTAGE 1-2		LOT NO.				DATE		5/10/63	
MODEL NO.		WS-133		DRAWING NO.		25-36101-1		PREPARED		R. ST. ROMAIN	
SERIAL NO.		0000252		U.O. MISSILE		749		APPROVED		G. ROBERTS	
LINE	PART NO.	EQUIPMENT CHANGE RECORD				WEIGHT AND BALANCE					
		DESCRIPTION OF EQUIPMENT		WEIGHT	X AXIS ARM	X AXIS MOMENT	Y AXIS ARM	Y AXIS MOMENT	Z AXIS ARM	Z AXIS MOMENT	
1	25-36101-1	Body Section (As Weighed)		339.70	77.88	26,455.3	99.51	33,805.0	100.41	34,110.0	
2											
3											
4											
5		ADD:		0							
6											
7											
8		DEDUCT:		0							
9											
10											
11	25-36101-1	Body Section (Complete)		339.70	77.88	26,455.3	99.51	33,805.0	100.41	34,110.0	
12											
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15											
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6.2.12		WEIGHT AND BALANCE CHANGE RECORD					
ASSOCIATE CONTRACTOR		BOEING		CONTRACT NO. AF04(694)-046		REPORT NO. QPR-2125	
COMPONENT		INTERSTAGE 1-2		LOT NO.		DATE 5/13/63	
MODEL NO.		WS-133		DRAWING NO. 25-36101-1		PREPARED JIM HILL	
SERIAL NO.		0000253		U.O. MISSILE 752		APPROVED G. OGARD	

EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
PART NO.	DESCRIPTION OF EQUIPMENT	WEIGHT	X AXIS		Y AXIS		Z AXIS	
			ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1	225-36101-1 Body Section (As Weighed)	339.65	77.92	26,464.8	99.63	33,838.5	100.29	34,062.4
2								
3								
4								
5	ADD:	0						
6								
7								
8	DEDUCT:	0						
9								
10								
11	225-36101-1 Body Section (Complete)	339.65	77.92	26,464.8	99.63	33,838.5	100.29	34,062.4
12								
13								
14								
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6.2.13 WEIGHT AND BALANCE CHANGE RECORD							
ASSOCIATE CONTRACTOR <u>BOEING</u>		CONTRACT NO. <u>AF04(64)-046</u>					
COMPONENT <u>INTERSTAGE 1-2</u>		REPORT NO. <u>OPR-2128</u>					
MODEL NO. <u>WS-133</u>		DATE <u>5/15/63</u>					
SERIAL NO. <u>0000254</u>		PREPARED <u>T. VOGEL</u>					
		APPROVED <u>G. OGARD</u>					
WEIGHT AND BALANCE							
EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE					
PART NO.	DESCRIPTION OF EQUIPMENT	X AXIS		Y AXIS		Z AXIS	
		WEIGHT	ARM	MOMENT	ARM	MOMENT	ARM
1							
2	25-36101-1 Body Section (As Weighed)	341.65	77.91	26,619.9	99.49	33,995.9	100.26
3							34,258.2
4							
5	ADD:	0					
6							
7							
8	DEDUCT:	9					
9							
10							
11	25-36101-1 Body Section (Complete)	341.65	77.91	26,619.9	99.49	33,995.9	100.26
12							34,258.2
13							
14							
15							
16							
17							
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6.2.14 WEIGHT AND BALANCE CHANGE RECORD											
ASSOCIATE CONTRACTOR		BOEING		CONTRACT NO.		AF04(694)-046		REPORT NO.		OFR-2117	
COMPONENT		INTERSTAGE 1-2		LOT NO.				DATE		5/8/63	
MODEL NO.		MS-133		DRAWING NO.		25-36101-1		PREPARED		JIM HILL	
SERIAL NO.		0000255		U.O. MISSILE		743		APPROVED		G. ROBERTS	
EQUIPMENT CHANGE RECORD				WEIGHT AND BALANCE							
LINE	PART NO.	DESCRIPTION OF EQUIPMENT	WEIGHT	X AXIS		Y AXIS		Z AXIS			
				ARM	MOMENT	ARM	MOMENT	ARM	MOMENT		
1	25-36101-1	Body Section (As Weighed)	342.95	77.82	26,686.7	99.67	34,182.3	100.20	34,364.9		
2											
3											
4											
5		ADD:	0								
6											
7											
8		DEDUCT:	0								
9											
10											
11	25-36101-1	Body Section (Complete)	342.95	77.82	26,686.7	99.67	34,182.3	100.20	34,364.9		
12											
13											
14											
15											
16											
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6.2.15 WEIGHT AND BALANCE CHANGE RECORD											
ASSOCIATE CONTRACTOR		BOEING		CONTRACT NO.		AF04(694)-046		REPORT NO.		QPR-2120	
COMPONENT		INTERSTAGE 1-2		LOT NO.				DATE		5/9/63	
MODEL NO.		WS-133		DRAWING NO.		25-36101-1		PREPARED		JIM HILL	
SERIAL NO.		0000256		U.O. MISSILE		747		APPROVED		G. ROBERTS	

EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE							
LINE	PART NO.	DESCRIPTION OF EQUIPMENT	WEIGHT	X AXIS		Y AXIS		Z AXIS	
				ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1									
2	25-36101-1	Body Section (As Weighed)	342.40	78.05	26,722.7	99.49	34,064.0	100.35	34,360.8
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36101-1	Body Section (Complete)	342.40	78.05	26,722.7	99.49	34,064.0	100.35	34,360.8
12									
13									
14									
15									
16									
17									
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6.2.16 WEIGHT AND BALANCE CHANGE RECORD											
ASSOCIATE CONTRACTOR		BOEING		CONTRACT NO.		AF04(694)-046		REPORT NO.		OPR-2123	
COMPONENT		INTERSTAGE 1-2		LOT NO.				DATE		5/15/63	
MODEL NO.		WS-133		DRAWING NO.		25-36101-1		PREPARED		R. ST. ROMAIN	
SERIAL NO.		000027		U.O. MISSILE		750		APPROVED		B. WARRENDER	

EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
PART NO.	DESCRIPTION OF EQUIPMENT	WEIGHT	X AXIS		Y AXIS		Z AXIS	
			ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1								
2	25-36101-1 Body Section (As Weighed)	340.45	77.89	26,519.0	99.54	33,889.6	100.45	34,198.8
3								
4								
5	ADD:	0						
6								
7								
8	DEDUCT:	0						
9								
10								
11	25-36101-1 Body Section (Complete)	340.45	77.89	26,519.0	99.54	33,889.6	100.45	34,198.8
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
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24								
25								
26								
27								
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29								
30								
31								
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6.2.17		WEIGHT AND BALANCE CHANGE RECORD				
ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AF04(694)-046		REPORT NO.	QPR-2126
COMPONENT	INTERSTAGE 1-2	LOT NO.			DATE	5/10/63
MODEL NO.	WS-133	DRAWING NO.	25-36101-1		PREPARED	JIM HILL
SERIAL NO.	000258	U.O. MISSILE	753		APPROVED	G. ROBERTS

EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
PART NO.	DESCRIPTION OF EQUIPMENT	WEIGHT	X AXIS		Y AXIS		Z AXIS	
			ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1								
2	25-36101-1 Body Section (As Weighed)	342.05	77.91	26,648.6	99.61	34,071.6	100.22	34,281.8
3								
4								
5	ADD:	0						
6								
7								
8	DEDUCT:	0						
9								
10								
11	25-36101-1 Body Section (Complete)	342.05	77.91	26,648.6	99.61	34,071.6	100.22	34,281.8
12								
13								
14								
15								
16								
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18								
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27								
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29								
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6.2.18		WEIGHT AND BALANCE CHANGE RECORD						
ASSOCIATE CONTRACTOR		BOEING		CONTRACT NO. AF04(694)-046				
COMPONENT		INTERSTAGE 1-2 LOT NO.		REPORT NO. OPR-2129				
MODEL NO.		WS-133		DATE 5/15/63				
SERIAL NO.		0000259		PREPARED R. HOLCOMB				
		U.O. MISSILE		APPROVED B. WARRENDER				
		756						
EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
PART NO.	DESCRIPTION OF EQUIPMENT	WEIGHT	X AXIS		Y AXIS		Z AXIS	
			ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1	25-36101-1 Body Section (As Weighed)	340.85	77.90	26,553.7	99.55	33,931.0	100.31	34,190.7
2								
3								
4								
5	ADD:	0						
6								
7								
8	DEDUCT:	0						
9								
10								
11	25-36101-1 Body Section (Complete)	340.85	77.90	26,553.7	99.55	33,931.0	100.31	34,190.7
12								
13								
14								
15								
16								
17								
18								
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6.2.19 WEIGHT AND BALANCE CHANGE RECORD									
ASSOCIATE CONTRACTOR BOEING		CONTRACT NO.		REPORT NO.		DATE		APPROVED	
INTERSTAGE 1-2		AF04(694)-046		OFR-2133		5/23/63		T. VOGEL	
MODEL NO.		LOT NO.		ARM		MOMENT		APPROVED	
WS-133		25-36101-1						G. OGARD	
SERIAL NO.		U.O. MISSILE							
0000260		760							
EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE							
PART NO.	DESCRIPTION OF EQUIPMENT	WEIGHT	X AXIS		Y AXIS		Z AXIS		
			ARM	MOMENT	ARM	MOMENT	ARM	MOMENT	
1									
2	225-36101-1 Body Section (As Weighed)	340.20	77.99	26,533.8	99.54	36,864.6	100.30	34,122.9	
3									
4									
5	ADD:	0							
6									
7									
8	DEDUCT:	0							
9									
10									
11	225-36101-1 Body Section (Complete)	340.20	77.99	26,533.8	99.54	36,864.6	100.30	34,122.9	
12									
13									
14									
15									
16									
17									
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6.2.20				WEIGHT AND BALANCE CHANGE RECORD			
ASSOCIATE CONTRACTOR <u>BOEING</u>		CONTRACT NO. <u>AF04(604)-046</u>		REPORT NO. <u>OPR-2136</u>			
COMPONENT <u>INTERSTAGE 1-2</u>		LOT NO.		DATE <u>5/28/63</u>			
MODEL NO. <u>WS-133</u>		DRAWING NO. <u>25-36080-1</u>		PREPARED <u>W. BAIRD</u>			
SERIAL NO. <u>0000261</u>		U.O. MISSILE <u>763</u>		APPROVED <u>G. OGARD</u>			

EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
PART NO.	DESCRIPTION OF EQUIPMENT	WEIGHT	X AXIS		Y AXIS		Z AXIS	
			ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1								
2	25-36080-1 Body Section (As Weighed)	341.30	77.81	26,557.7	99.61	33,996.6	100.41	34,271.4
3								
4								
5	ADD:	0						
6								
7								
8	DEDUCT:	0						
9								
10								
11	25-36080-1 Body Section (Complete)	341.30	77.81	26,557.7	99.61	33,996.6	100.41	34,271.4
12								
13								
14								
15								
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6.2.21 WEIGHT AND BALANCE CHANGE RECORD									
ASSOCIATE CONTRACTOR BOEING		CONTRACT NO.		REPORT NO.		DATE		OFR-2139	
COMPONENT		LOT NO.		DATE		DATE		5/22/63	
MODEL NO.		DRAWING NO.		PREPARED		PREPARED		R. ST. ROMAIN	
SERIAL NO.		U.O. MISSILE		APPROVED		APPROVED		B. WARRENDER	
INTERSTAGE 1-2		AF04(694)-046		25-36101-1		766			
WS-133									
0000262									
EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE							
LINE	PART NO.	DESCRIPTION OF EQUIPMENT	WEIGHT	X AXIS		Y AXIS		Z AXIS	
				ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1	25-36101-1	Body Section (As Weighed)	340.85	77.98	26,580.7	99.51	33,917.3	100.30	34,188.0
2									
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36101-1	Body Section (Complete)	340.85	77.98	26,580.7	99.51	33,917.3	100.30	34,188.0
12									
13									
14									
15									
16									
17									
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6.2.22		WEIGHT AND BALANCE CHANGE RECORD									
ASSOCIATE CONTRACTOR BOEING		CONTRACT NO. AFO4(694)-046		REPORT NO. OPR-2142							
COMPONENT INTERSTAGE 1-2		LOT NO.		DATE 5/28/63							
MODEL NO. WS-133		DRAWING NO. 25-36101-1		PREPARED R. ST. ROMAIN							
SERIAL NO. 0000263		U.O. MISSILE 769		APPROVED B. WARRENDER							

EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
PART NO.	DESCRIPTION OF EQUIPMENT	WEIGHT	X AXIS		Y AXIS		Z AXIS	
			ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1								
2	Body Section (As Weighed)	340.70	77.88	26,534.3	99.52	33,906.4	100.45	34,222.4
3								
4								
5	ADD:	0						
6								
7								
8	DEDUCT:	0						
9								
10								
11	Body Section (Complete)	340.70	77.88	26,534.3	99.52	33,906.4	100.45	34,222.4
12								
13								
14								
15								
16								
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6.2.23 WEIGHT AND BALANCE CHANGE RECORD									
ASSOCIATE CONTRACTOR BOEING		CONTRACT NO. AF04(694)-046		REPORT NO. OPR-2145					
COMPONENT INTERSTAGE 1-2		LOT NO.		DATE 5/31/63					
MODEL NO. WS-133		DRAWING NO. 25-36101-1		PREPARED R. ST. ROMAIN					
SERIAL NO. 0000264		U.O. MISSILE 773		APPROVED B. WARRENDER					
EQUIPMENT CHANGE RECORD				WEIGHT AND BALANCE					
UNIT	PART NO.	DESCRIPTION OF EQUIPMENT	WEIGHT	X AXIS		Y AXIS		Z AXIS	
				ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1									
2	25-36101-1	Body Section (As Weighed)	342.55	77.81	26,655.1	99.56	34,105.1	100.34	34,370.3
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36101-1	Body Section (Complete)	342.55	77.81	26,655.1	99.56	34,105.1	100.34	34,370.3
12									
13									
14									
15									
16									
17									
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6.2.24 WEIGHT AND BALANCE CHANGE RECORD											
ASSOCIATE CONTRACTOR		BOEING		CONTRACT NO.		AF04(694)-046		REPORT NO.		OPR-2131	
COMPONENT		INTERSTAGE 1-2		LOT NO.				DATE		5/16/63	
MODEL NO.		WS-133		DRAWING NO.		25-36101-1		PREPARED		W. BAIRD	
SERIAL NO.		0000265		U.O. MISSILE		758		APPROVED		G. OGARD	
EQUIPMENT CHANGE RECORD				WEIGHT AND BALANCE							
LINE	PART NO.	DESCRIPTION OF EQUIPMENT		WEIGHT	X AXIS		Y AXIS		Z AXIS		
					ARM	MOMENT	ARM	MOMENT	ARM	MOMENT	
1											
2	25-36101-1	Body Section (As Weighed)		340.75	78.00	26,578.8	99.58	33,932.0	100.37	34,133.9	
3											
4											
5		ADD:		0							
6											
7											
8		DEDUCT:		0							
9											
10											
11	25-36101-1	Body Section (Complete)		340.75	78.00	26,578.8	99.58	33,932.0	100.37	34,133.9	
12											
13											
14											
15											
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6.2.25 WEIGHT AND BALANCE CHANGE RECORD											
ASSOCIATE CONTRACTOR BOEING		CONTRACT NO. AF04(694)-046		REPORT NO. OPR-2134							
COMPONENT INTERSTAGE 1-2		LOT NO.		DATE 5/17/63							
MODEL NO. WS-133		DRAWING NO. 25-36101-1		PREPARED W. BAIRD							
SERIAL NO. 000266		U.O. MISSILE 761		APPROVED G. OGARD							
EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE									
PART NO.	DESCRIPTION OF EQUIPMENT	WEIGHT	X AXIS		Y AXIS		Z AXIS				
			ARM	MOMENT	ARM	MOMENT	ARM	MOMENT			
1											
2	25-36101-1 Body Section (As Weighed)	341.65	77.89	26,611.0	99.60	34,027.5	100.35	34,251.5			
3											
4											
5	ADD:	0									
6											
7											
8	DEDUCT:	0									
9											
10											
11	25-36101-1 Body Section (Complete)	341.65	77.89	26,611.0	99.60	34,027.5	100.35	34,251.5			
12											
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14											
15											
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6.2.26 WEIGHT AND BALANCE CHANGE RECORD									
ASSOCIATE CONTRACTOR BOEING		CONTRACT NO. AFO4(694)-046		REPORT NO. OFR-2137					
COMPONENT INTERSTAGE 1-2		LOT NO.		DATE 5/27/63					
MODEL NO. WS-133		DRAWING NO. 25-36101-1		PREPARED W. BAIRD					
SERIAL NO. 0000267		U.O. MISSILE 764		APPROVED G. OGARD					
EQUIPMENT CHANGE RECORD			WEIGHT AND BALANCE						
LINE	PART NO.	DESCRIPTION OF EQUIPMENT	WEIGHT	X AXIS		Y AXIS		Z AXIS	
				ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1	25-36101-1	Body Section (As Weighed)	342.00	77.94	26,655.1	99.54	34,043.3	100.47	34,359.3
2									
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36101-1	Body Section (Complete)	342.00	77.94	26,655.1	99.54	34,043.3	100.47	34,359.3
12									
13									
14									
15									
16									
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6.2.27		WEIGHT AND BALANCE CHANGE RECORD					
ASSOCIATE CONTRACTOR		BOEING		CONTRACT NO. AF04(694)-046		REPORT NO. OPR-2140	
COMPONENT		INTERSTAGE 1-2		LOT NO.		DATE 5/27/63	
MODEL NO.		WS-133		DRAWING NO. 25-36101-1		PREPARED R. ST. ROMAIN	
SERIAL NO.		0000268		U.O. MISSILE 767		APPROVED B. WARRENDER	

EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE							
LINE	PART NO.	DESCRIPTION OF EQUIPMENT	WEIGHT	X AXIS		Y AXIS		Z AXIS	
				ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1	25-36101-1	Body Section (As Weighed)	340.95	77.87	26,549.6	99.52	33,932.8	100.27	34,166.9
2									
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36101-1	Body Section (Complete)	340.95	77.87	26,549.6	99.52	33,932.8	100.27	34,166.9
12									
13									
14									
15									
16									
17									
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6.2.28 WEIGHT AND BALANCE CHANGE RECORD									
ASSOCIATE CONTRACTOR		BOEING		CONTRACT NO.		AF04(694)-046		REPORT NO.	
COMPONENT		INTERSTAGE 1-2		LOT NO.				DATE	
MODEL NO.		WS-133		DRAWING NO.		25-36101-1		PREPARED	
SERIAL NO.		0000269		U.O. MISSILE		772		APPROVED	
								B. WARRENDER	
EQUIPMENT CHANGE RECORD				WEIGHT AND BALANCE					
LINE	PART NO.	DESCRIPTION OF EQUIPMENT	WEIGHT	X AXIS		Y AXIS		Z AXIS	
				ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1									
2	25-36101-1	Body Section (As Weighed)	341.75	77.82	26,594.8	99.55	34,021.0	100.36	34,297.2
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36101-1	Body Section (Complete)	341.75	77.82	26,594.8	99.55	34,021.0	100.36	34,297.2
12									
13									
14									
15									
16									
17									
18									
19									
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6.2.29		WEIGHT AND BALANCE CHANGE RECORD			
ASSOCIATE CONTRACTOR <u>BOEING</u>		CONTRACT NO. <u>AF04(624)-046</u>		REPORT NO. <u>OPR-2146</u>	
COMPONENT <u>INTERSTAGE 1-2</u>		LOT NO.		DATE <u>6/5/63</u>	
MODEL NO. <u>WS-133</u>		DRAWING NO. <u>25-36101-1</u>		PREPARED <u>R. ST. ROMAIN</u>	
SERIAL NO. <u>0000270</u>		U.O. MISSILE <u>774</u>		APPROVED <u>B. WARRENDER</u>	

EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
PART NO.	DESCRIPTION OF EQUIPMENT	WEIGHT	X AXIS		Y AXIS		Z AXIS	
			ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1								
2	25-36101-1 Body Section (As Weighed)	341.90	77.96	26,653.2	99.60	34,053.9	100.24	34,273.7
3								
4								
5	ADD:	0						
6								
7								
8	DEDUCT:	0						
9								
10								
11	25-36101-1 Body Section (Complete)	341.90	77.96	26,653.2	99.60	34,053.9	100.24	34,273.7
12								
13								
14								
15								
16								
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6.2.30		WEIGHT AND BALANCE CHANGE RECORD			
ASSOCIATE CONTRACTOR <u>BOEING</u>		CONTRACT NO. <u>AF04(694)-046</u>		REPORT NO. <u>OPR-2150</u>	
COMPONENT <u>INTERSTAGE 1-2</u>		LOT NO. <u>25-36101-1</u>		DATE <u>6/4/63</u>	
MODEL NO. <u>MS-133</u>		DRAWING NO. <u>25-36101-1</u>		PREPARED <u>R. ST. ROMA</u>	
SERIAL NO. <u>0000271</u>		U.O. MISSILE <u>779</u>		APPROVED <u>B. WARRENDER</u>	

EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
PART NO.	DESCRIPTION OF EQUIPMENT	WEIGHT	X AXIS		Y AXIS		Z AXIS	
			ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1								
2	25-36101-1 Body Section (As Weighed)	340.30	77.93	26,520.7	99.56	33,881.5	100.28	34,126.0
3								
4								
5	ADD:	0						
6								
7								
8	DEDUCT:	0						
9								
10								
11	25-36101-1 Body Section (Complete)	340.30	77.93	26,520.7	99.56	33,881.5	100.28	34,126.0
12								
13								
14								
15								
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6.2.31 WEIGHT AND BALANCE CHANGE RECORD									
ASSOCIATE CONTRACTOR		BOEING		CONTRACT NO. AFO4(694)-046		REPORT NO. OPR-2153			
COMPONENT		INTERSTAGE 1-2		LOT NO.		DATE		6/6/63	
MODEL NO.		WS-133		DRAWING NO. 25-36101-1		PREPARED		T. VOGL	
SERIAL NO.		0000212		U.O. MISSILE 782		APPROVED		G. OGARD	
EQUIPMENT CHANGE RECORD				WEIGHT AND BALANCE					
LINE	PART NO.	DESCRIPTION OF EQUIPMENT	WEIGHT	X AXIS		Y AXIS		Z AXIS	
				ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1	25-36101-1	Body Section (As Weighed)	340.15	77.90	26,498.3	99.66	33,898.1	100.28	34,111.0
2									
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36101-1	Body Section (Complete)	340.15	77.90	26,498.3	99.66	33,898.1	100.28	34,111.0
12									
13									
14									
15									
16									
17									
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6.2.32 WEIGHT AND BALANCE CHANGE RECORD											
ASSOCIATE CONTRACTOR		BOEING		CONTRACT NO.		AF04(694)-046		REPORT NO.		OFR-2156	
COMPONENT		INTERSTAGE 1-2		LOT NO.				DATE		6/7/63	
MODEL NO.		WS-133		DRAWING NO.		25-36101-1		PREPARED		JIM HILL	
SERIAL NO.		0000273		U.O. MISSILE		785		APPROVED		G. OGARD	
EQUIPMENT CHANGE RECORD				WEIGHT AND BALANCE							
PART NO.	DESCRIPTION OF EQUIPMENT	WEIGHT	X AXIS		Y AXIS		Z AXIS				
			ARM	MOMENT	ARM	MOMENT	ARM	MOMENT			
1											
225-36101-1	Body Section (As Weighed)	341.75	77.79	26,585.9	99.57	34,029.3	100.20	34,245.0			
3											
4											
5	ADD:	0									
6											
7											
8	DEDUCT:	0									
9											
10											
11	25-36101-1 Body Section (Complete)	341.75	77.79	26,585.9	99.57	34,029.3	100.20	34,245.0			
12											
13											
14											
15											
16											
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6.2.33		WEIGHT AND BALANCE CHANGE RECORD					
ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AF04(694)-046		REPORT NO.	OFR-2130	
COMPONENT	INTERSTAGE 1-2	LOT NO.			DATE	5/17/63	
MODEL NO.	WS-133	DRAWING NO.	25-36101-1		PREPARED	W. BAIRD	
SERIAL NO.	0000275	U.O. MISSILE	757		APPROVED	G. OGARD	

EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
PART NO.	DESCRIPTION OF EQUIPMENT	WEIGHT	X AXIS		Y AXIS		Z AXIS	
			ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1								
2	Body Section (As Weighed)	341.80	77.93	26,636.3	99.56	34,030.1	100.29	34,280.2
3								
4								
5	AUD1	0						
6								
7								
8	DEDUCT:	0						
9								
10								
11	Body Section (Complete)	341.80	77.93	26,636.3	99.56	34,030.1	100.29	34,280.2
12								
13								
14								
15								
16								
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6.2.34		WEIGHT AND BALANCE CHANGE RECORD					
ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AF04(694)-046		REPORT NO.	OFR-2135	
COMPONENT	INTERSTAGE 1-2	LOT NO.			DATE	5/20/63	
MODEL NO.	WS-133	DRAWING NO.	25-36101-1		PREPARED	JIM HILL	
SERIAL NO.	0000276	U.O. MISSILE	762		APPROVED	G. OGARD	

EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE							
UNIT	PART NO.	DESCRIPTION OF EQUIPMENT	WEIGHT	X AXIS		Y AXIS		Z AXIS	
				ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1	25-36101-1	Body Section (As Weighed)	339.20	77.93	26,433.7	99.61	33,788.0	100.39	34,051.9
2									
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36101-1	Body Section (Complete)	339.20	77.93	26,433.7	99.61	33,788.0	100.39	34,051.9
12									
13									
14									
15									
16									
17									
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6.2.35 WEIGHT AND BALANCE CHANGE RECORD											
ASSOCIATE CONTRACTOR		BOEING		CONTRACT NO.		AF04(694)-046		REPORT NO.		0PR-2138	
COMPONENT		INTERSTAGE 1-2		LOT NO.				DATE		5/21/63	
MODEL NO.		WS-133		DRAWING NO.		25-36101-1		PREPARED		H. BAIRD	
SERIAL NO.		0000277		U.O. MISSILE		765		APPROVED		G. OGARD	
EQUIPMENT CHANGE RECORD				WEIGHT AND BALANCE							
LINE	PART NO.	DESCRIPTION OF EQUIPMENT		WEIGHT	X AXIS		Y AXIS		Z AXIS		
					ARM	MOMENT	ARM	MOMENT	ARM	MOMENT	
1											
2	25-36101-1	Body Section (As Weighed)		341.75	77.81	26,591.8	99.68	34,066.4	100.31	34,279.4	
3											
4											
5		ADD:		0							
6											
7											
8		DEDUCT:		0							
9											
10											
11	25-36101-1	Body Section (Complete)		341.75	77.81	26,591.8	99.68	34,066.4	100.31	34,279.4	
12											
13											
14											
15											
16											
17											
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6.2.36		WEIGHT AND BALANCE CHANGE RECORD			
ASSOCIATE CONTRACTOR <u>BOEING</u>		CONTRACT NO. <u>ATO4(694)-046</u>		REPORT NO. <u>OPR-2141</u>	
COMPONENT <u>INTERSTAGE 1-2</u>		LOT NO.		DATE <u>5/22/63</u>	
MODEL NO. <u>MS-133</u>		DRAWING NO. <u>25-36101-1</u>		PREPARED <u>JDM HILL</u>	
SERIAL NO. <u>0000278</u>		U.O. MISSILE <u>768</u>		APPROVED <u>G. OGARD</u>	

EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
PART NO.	DESCRIPTION OF EQUIPMENT	WEIGHT	X AXIS		Y AXIS		Z AXIS	
			ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1								
2	25-36101-1 Body Section (As Weighed)	341.35	77.98	26,617.2	99.49	33,960.4	100.35	34,253.1
3								
4								
5	ADD:	0						
6								
7								
8	DEDUCT:	0						
9								
10								
11	25-36101-1 Body Section (Complete)	341.35	77.98	26,617.2	99.49	33,960.4	100.35	34,253.1
12								
13								
14								
15								
16								
17								
18								
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6.2.37 WEIGHT AND BALANCE CHANGE RECORD											
ASSOCIATE CONTRACTOR BOEING		CONTRACT NO.		REPORT NO.		DATE		5/29/63			
COMPONENT		INTERSTAGE 1-2		AF04(694)-046		DATE		5/29/63			
MODEL NO.		WS-133		DRAWING NO.		PREPARED		R. HOLCOMB			
SERIAL NO.		000279		U.O. MISSILE		APPROVED		B. WARRENDER			
PART NO.		DESCRIPTION OF EQUIPMENT		WEIGHT		X AXIS		Y AXIS		Z AXIS	
						ARM		MOMENT		ARM	
1	25-36101-1	Body Section (As Weighed)		343.40	77.83	26,571.7	99.63	34,012.1	100.28	34,234.7	
2											
3											
4											
5		AND:		0							
6											
7											
8		DEDUCT:		0							
9											
10											
11	25-36101-1	Body Section (Complete)		343.40	77.83	26,571.7	99.63	34,012.1	100.28	34,234.7	
12											
13											
14											
15											
16											
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6.2.38		WEIGHT AND BALANCE CHANGE RECORD						
ASSOCIATE CONTRACTOR		BOEING		CONTRACT NO. AFOL(694)-046				
COMPONENT		INTERSTAGE 1-2		REPORT NO. OPR-2148				
MODEL NO.		WS-133		DATE 6/5/63				
SERIAL NO.		0000280		PREPARED R. ST. ROMAIN				
		D.O. MISSILE		APPROVED B. WARRENDER				
		U.O. MISSILE						
		TIT						
EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
PART NO.	DESCRIPTION OF EQUIPMENT	WEIGHT	X AXIS		Y AXIS		Z AXIS	
			ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1								
2	25-36101-1 Body Section (As Weighed)	342.80	78.03	26,748.4	99.57	34,131.5	100.26	34,367.8
3								
4								
5	ADD:	0						
6								
7								
8	DEDUCT:	0						
9								
10								
11	25-36101-1 Body Section (Complete)	342.80	78.03	26,748.4	99.57	34,131.5	100.26	34,367.8
12								
13								
14								
15								
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6.2.39		WEIGHT AND BALANCE CHANGE RECORD					
ASSOCIATE CONTRACTOR		BOEING		CONTRACT NO. AF04(694)-046		REPORT NO. OFR-2151	
COMPONENT		INTERSTAGE 1-2		LOT NO.		DATE 6/10/63	
MODEL NO.		WS-133		DRAWING NO. 25-36101-1		PREPARED R. HOLCOMB	
SERIAL NO.		0000281		U.O. MISSILE 780		APPROVED B. WARRENDER	

EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
PART NO.	DESCRIPTION OF EQUIPMENT	WEIGHT	X AXIS		Y AXIS		Z AXIS	
			ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1	225-36101-1 Body Section (As Weighed)	342.15	77.94	26,668.5	99.55	34,059.6	100.42	34,357.8
2								
3								
4								
5	ADD:	0						
6								
7								
8	DEDUCT:	0						
9								
10								
11	225-36101-1 Body Section (Complete)	342.15	77.94	26,668.5	99.55	34,059.6	100.42	34,357.8
12								
13								
14								
15								
16								
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6.2.40 WEIGHT AND BALANCE CHANGE RECORD									
ASSOCIATE CONTRACTOR		BOEING		CONTRACT NO. AF04(694)-046		REPORT NO. OPR-2154			
COMPONENT		INTERSTAGE 1-2		LOT NO.		DATE		6/5/63	
MODEL NO.		WS-133		DRAWING NO. 25-36101-1		PREPARED		R. ST. ROMAIN	
SERIAL NO.		0000282		U.O. MISSILE 783		APPROVED		B. WARRENDER	
EQUIPMENT CHANGE RECORD				WEIGHT AND BALANCE					
PART NO.	DESCRIPTION OF EQUIPMENT	WEIGHT	X AXIS		Y AXIS		Z AXIS		
			ARM	MOMENT	ARM	MOMENT	ARM	MOMENT	
1									
2	25-36101-1 Body Section (As Weighed)	340.15	77.87	26,486.3	99.62	33,884.4	100.31	34,119.3	
3									
4									
5	ADD:	0							
6									
7									
8	DEDUCT:	0							
9									
10									
11	25-36101-1 Body Section (Complete)	340.15	77.87	26,486.3	99.62	33,884.4	100.31	34,119.3	
12									
13									
14									
15									
16									
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6.2.41		WEIGHT AND BALANCE CHANGE RECORD	
ASSOCIATE CONTRACTOR		BOEING	
COMPONENT		INTERSTAGE 1-2	
MODEL NO.		MS-133	
SERIAL NO.		0000283	
CONTRACT NO.		AF04(694)-046	
LOT NO.		25-36101-1	
DRAWING NO.		U.O. MISSILE 786	
REPORT NO.		OPR-2157	
DATE		6/12/63	
PREPARED		R. HOLCOMB	
APPROVED		B. WARRENDER	

EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
PART NO.	DESCRIPTION OF EQUIPMENT	WEIGHT	X AXIS		Y AXIS		Z AXIS	
			ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1								
2	Body Section (As Weighed)	342.30	77.94	26,678.8	99.62	34,099.4	100.32	34,341.2
3								
4								
5	ADD:	0						
6								
7								
8	DEDUCT:	0						
9								
10								
11	Body Section (Complete)	342.30	77.94	26,678.8	99.62	34,099.4	100.32	34,341.2
12								
13								
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6.2.42		WEIGHT AND BALANCE CHANGE RECORD									
ASSOCIATE CONTRACTOR		BOEING		CONTRACT NO.		AF04(694)-046		REPORT NO.		OPR-2149	
COMPONENT		INTERSTAGE 1-2		LOT NO.				DATE		6/3/63	
MODEL NO.		WS-133		DRAWING NO.		25-36101-1		PREPARED		W. BAIRD	
SERIAL NO.		0000285		U.O. MISSILE		778		APPROVED		G. OGARD	

EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
PART NO.	DESCRIPTION OF EQUIPMENT	WEIGHT	X AXIS		Y AXIS		Z AXIS	
			ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1								
2	25-36101-1 Body Section (As Weighed)	341.05	77.96	26,587.5	99.59	33,964.8	100.35	34,224.4
3								
4								
5	ADD:	0						
6								
7								
8	DEDUCT:	0						
9								
10								
11	25-36101-1 Body Section (Complete)	341.05	77.96	26,587.5	99.59	33,964.8	100.35	34,224.4
12								
13								
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6.2.43 WEIGHT AND BALANCE CHANGE RECORD											
ASSOCIATE CONTRACTOR		BOEING		CONTRACT NO.		AF04(694)-046		REPORT NO.		OPR-2152	
COMPONENT		INTERSTAGE 1-2		LOT NO.				DATE		6/6/63	
MODEL NO.		WS-133		DRAWING NO.		25-36101-1		PREPARED		W. BAIRD	
SERIAL NO.		0000286		U.O. MISSILE		781		APPROVED		G. OGARD	
EQUIPMENT CHANGE RECORD				WEIGHT AND BALANCE							
LINE	PART NO.	DESCRIPTION OF EQUIPMENT	WEIGHT	X AXIS		Y AXIS		Z AXIS			
				ARM	MOMENT	ARM	MOMENT	ARM	MOMENT		
1	225-36101-1	Body Section (As Weighed)	342.10	77.97	26,675.0	99.69	34,104.1	100.41	34,348.7		
2											
3											
4											
5		ADD:	0								
6											
7											
8		DEDUCT:	0								
9											
10											
11	25-36101-1	Body Section (Complete)	342.10	77.97	26,675.0	99.69	34,104.1	100.41	34,348.7		
12											
13											
14											
15											
16											
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6.2.44		WEIGHT AND BALANCE CHANGE RECORD	
ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AF04(694)-046
COMPONENT	INTERSTAGE 1-2	REPORT NO.	OPR-2155
MODEL NO.	MS-133	DATE	6/10/63
SERIAL NO.	0000287	PREPARED	R. HOLCOMB
		APPROVED	B. WARRENDER

EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
PART NO.	DESCRIPTION OF EQUIPMENT	WEIGHT	X AXIS		Y AXIS		Z AXIS	
			ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1								
2	25-36101-1 Body Section (As Weighed)	342.35	77.94	26,684.3	99.63	34,107.1	100.30	34,339.3
3								
4								
5	ADD:	0						
6								
7								
8	DEDUCT:	0						
9								
10								
11	25-36101-1 Body Section (Complete)	342.35	77.94	26,684.3	99.63	34,107.1	100.30	34,339.3
12								
13								
14								
15								
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6.2.45 WEIGHT AND BALANCE CHANGE RECORD											
ASSOCIATE CONTRACTOR		BOEING		CONTRACT NO.		AF04(694)-046		REPORT NO.		OPR-2132	
COMPONENT		INTERSTAGE 1-2		LOT NO.				DATE		5/16/63	
MODEL NO.		WS-133		DRAWING NO.		25-36101-1		PREPARED		W. BAIRD	
SERIAL NO.		0000349		U.O. MISSILE		759		APPROVED		G. OGARD	

EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE							
LINE	PART NO.	DESCRIPTION OF EQUIPMENT	WEIGHT	X AXIS		Y AXIS		Z AXIS	
				ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1									
2	25-36101-1	Body Section (As Weighed)	340.70	78.03	26,585.3	99.47	33,888.5	100.35	34,188.0
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36101-1	Body Section (Complete)	340.70	78.03	26,585.3	99.47	33,888.5	100.35	34,188.0
12									
13									
14									
15									
16									
17									
18									
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SERIAL NUMBER: 0000230

CHECK LIST NO.		6.3.1		MISSILE WEIGHING CHECK LIST		RECORD OF CHECKING (DATE)			
DATE		MODEL WS-133		FINAL ASSEMBLY DRAWING NO.		Mo	Day	Yr	
						5	3	63	
ITEM NUMBER	SECTION 49	MISSILE NO. 740				COMPONENT			
MISSILE COMPONENT Body Section-Guided Missile COMPONENT PART NO. Noted									
	DESCRIPTION	PART NO.	WEIGHT	X ARM	Y ARM	Z ARM	BASIC WEIGHT	AS WEIGHED	LAUNCH
	Body Section Assembly	25-36030-1							
	Skirt	25-36031-1					X	X	
	Screw	NAS 514P832-8					X	X	
	Screw	NAS 603-10					X	X	
	Support Bracket G&C & CILI Conn.	25-37345-1					X	X	
	Bracket G&C Cable	29-28033-1					X	X	
	Bracket - Clamp G&C Cable	25-36624-1					X	X	
	Bracket Cable Support	29-28847-1					X	X	
	Bracket Cable Support	29-28847-2					X	X	
	Marking Installation	25-30134-30					X	X	
	Insulation	BMS-5-62					X	X	
	Structure Weight:								
	Insulation Weight:								
	BMS-5-62 Weight:								

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6.3.1 WEIGHT AND BALANCE CHANGE RECORD											
ASSOCIATE CONTRACTOR		BOEING		CONTRACT NO.		AF04(694)-046		REPORT NO.		OPR-2114	
COMPONENT		SKIRT		LOT NO.				DATE		5/3/63	
MODEL NO.		WS-133		DRAWING NO.		25-36080-1		PREPARED		R. ST. ROMAIN	
SERIAL NO.		0000230		U.O. MISSILE		740		APPROVED		G. ROBERTS	
EQUIPMENT CHANGE RECORD				WEIGHT AND BALANCE							
LINE	PART NO.	DESCRIPTION OF EQUIPMENT	WEIGHT	X AXIS		Y AXIS		Z AXIS			
				ARM	MOMENT	ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1	25-36080-1	Body Section (As Weighed)	273.35	68.78	18,801.5	100.69	27,522.6	100.63	27,506.1		
2											
3											
4											
5		ADD:	0								
6											
7											
8		DEDUCT:	0								
9											
10											
11	25-36080-1	Body Section (Complete)	273.35	68.78	18,801.5	100.69	27,522.6	100.63	27,506.1		
12											
13											
14											
15											
16											
17											
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6.3.2 WEIGHT AND BALANCE CHANGE RECORD									
ASSOCIATE CONTRACTOR BOEING		CONTRACT NO.		REPORT NO.		DATE		OFR-2147	
COMPONENT		LOT NO.		ARM		MOMENT		ARM	
MODEL NO.		DRAWING NO.		ARM		MOMENT		ARM	
SERIAL NO.		U.O. MISSILE		ARM		MOMENT		ARM	
SKIRT		AF04(694)-046		25-36080-1		775		5/28/63	
WS-133								W. BAIRD	
0000234								G. OGDARD	
EQUIPMENT CHANGE RECORD				WEIGHT AND BALANCE					
PART NO.	DESCRIPTION OF EQUIPMENT	WEIGHT	X AXIS ARM	X AXIS MOMENT	Y AXIS ARM	Y AXIS MOMENT	Z AXIS ARM	Z AXIS MOMENT	
1									
2	25-36080-1 Body Section (As Weighed)	272.90	68.58	18,709.0	100.47	27,407.8	100.61	27,445.6	
3									
4									
5	ADD:	0							
6									
7									
8	DEDUCT:	0							
9									
10									
11	25-36080-1 Body Section (Complete)	272.90	68.58	18,709.0	100.47	27,407.8	100.61	27,445.6	
12									
13									
14									
15									
16									
17									
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6.3.3 WEIGHT AND BALANCE CHANGE RECORD									
ASSOCIATE CONTRACTOR		BOEING		CONTRACT NO.		AF04(694)-046		REPORT NO.	
COMPONENT		SKIRT		LOT NO.				DATE	
MODEL NO.		WS-133		DRAWING NO.		25-36080-1		PREPARED	
SERIAL NO.		0000240		U.O. MISSILE		741		APPROVED	
								JDM HILL	
								G. ROBERTS	
EQUIPMENT CHANGE RECORD				WEIGHT AND BALANCE					
PART NO.	DESCRIPTION OF EQUIPMENT	WEIGHT	X AXIS		Y AXIS		Z AXIS		
			ARM	MOMENT	ARM	MOMENT	ARM	MOMENT	
1									
2	25-36080-1 Body Section (As Weighed)	273.85	68.73	18,822.1	100.62	27,554.5	100.57	27,541.5	
3									
4									
5	ADD:	0							
6									
7									
8	DEDUCT:	0							
9									
10									
11	25-36080-1 Body Section (Complete)	273.85	68.73	18,822.1	100.62	27,554.5	100.57	27,541.5	
12									
13									
14									
15									
16									
17									
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6.3.4 WEIGHT AND BALANCE CHANGE RECORD											
ASSOCIATE CONTRACTOR		BOEING		CONTRACT NO.		AF04(64)-046		REPORT NO.		OPR-2118	
COMPONENT		SKIRT		LOT NO.				DATE		5/9/63	
MODEL NO.		WS-133		DRAWING NO.		25-36080-1		PREPARED		R. HOLCOMB	
SERIAL NO.		0000241		U.O. MISSILE		744		APPROVED		G. ROBERTS	
EQUIPMENT CHANGE RECORD				WEIGHT AND BALANCE							
PART NO.		DESCRIPTION OF EQUIPMENT		WEIGHT		X AXIS		Y AXIS		Z AXIS	
						ARM		MOMENT		ARM	
1	25-36080-1	Body Section (As Weighed)		272.55		68.60	18,697.8	100.49	27,388.2	100.57	27,411.6
2											
3											
4											
5		ADD:		0							
6											
7											
8		DEDUCT:		0							
9											
10											
11	25-36080-1	Body Section (Complete)		272.55		68.60	18,697.8	100.49	27,388.2	100.57	27,411.6
12											
13											
14											
15											
16											
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6.3.5 WEIGHT AND BALANCE CHANGE RECORD									
ASSOCIATE CONTRACTOR		BOEING		CONTRACT NO.		AF04(694)-046		REPORT NO.	
COMPONENT		FICRT		LOT NO.				DATE	
MODEL NO.		WB-133A		DRAWING NO.		25-36080-1		PREPARED	
SERIAL NO.		0000242		U.O. MISSILE		748		APPROVED	
								G. ROBERTS	
EQUIPMENT CHANGE RECORD				WEIGHT AND BALANCE					
PART NO.	DESCRIPTION OF EQUIPMENT	WEIGHT	X AXIS		Y AXIS		Z AXIS		
			ARM	MOMENT	ARM	MOMENT	ARM	MOMENT	
1									
2	25-36080-1 Body Section (As Weighed)	274.15	68.67	18,826.5	100.42	27,530.1	100.56	27,567.9	
3									
4									
5	ADD:	0							
6									
7									
8	DEDUCT:	0							
9									
10									
11	25-36080-1 Body Section (Complete)	274.15	68.67	18,826.5	100.42	27,530.1	100.56	27,567.9	
12									
13									
14									
15									
16									
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6.3.6 WEIGHT AND BALANCE CHANGE RECORD											
ASSOCIATE CONTRACTOR		BOEING		CONTRACT NO.		AF04(694)-046		REPORT NO.		GPR-2124	
COMPONENT		SECRET		LOT NO.				DATE		5/9/63	
MODEL NO.		18-133		DRAWING NO.		25-36080-1		PREPARED		JIM HILL	
SERIAL NO.		000243		U.O. MISSILE		751		APPROVED		G. ROBERTS	

EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE							
LINE NO.	PART NO.	DESCRIPTION OF EQUIPMENT	WEIGHT	X AXIS		Y AXIS		Z AXIS	
				ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1	25-36080-1	Body Section (As Weighed)	271.55	68.75	18,667.9	100.62	27,324.5	100.64	27,329.8
2									
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36080-1	Body Section (Complete)	271.55	68.75	18,667.9	100.62	27,324.5	100.64	27,329.8
12									
13									
14									
15									
16									
17									
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6.3.7		WEIGHT AND BALANCE CHANGE RECORD									
ASSOCIATE CONTRACTOR		BOEING		CONTRACT NO.		AF04(694)-046		REPORT NO.		QPR-2127	
COMPONENT		SKIRT		LOT NO.				DATE		5/13/63	
MODEL NO.		WS-133		DRAWING NO.		25-36080-1		PREPARED		JDM HULL	
SERIAL NO.		0000244		U.O. MISSILE		754		APPROVED		G. OGARD	
EQUIPMENT CHANGE RECORD				WEIGHT AND BALANCE							
PART NO.	DESCRIPTION OF EQUIPMENT	WEIGHT	X AXIS		Y AXIS		Z AXIS				
			ARM	MOMENT	ARM	MOMENT	ARM	MOMENT			
1											
2	Body Section (As Weighed)	272.40	68.71	18,718.0	100.57	27,396.8	100.60	27,402.1			
3											
4											
5	ADD:	0									
6											
7											
8	DEDUCT:	0									
9											
10											
11	Body Section (Complete)	272.40	68.71	18,718.0	100.57	27,396.8	100.60	27,402.1			
12											
13											
14											
15											
16											
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6.3.3 WEIGHT AND BALANCE CHANGE RECORD											
ASSOCIATE CONTRACTOR <u>BOEING</u>		CONTRACT NO. <u>AF04(694)-046</u>		REPORT NO. <u>OFR-2113</u>							
COMPONENT <u>SKIRT</u>		LOT NO. <u>25-36080-1</u>		DATE <u>5/2/63</u>							
MODEL NO. <u>MS-133</u>		DRAWING NO. <u>25-36080-1</u>		PREPARED <u>W. BAIRD</u>							
SERIAL NO. <u>0000249</u>		U.O. MISSILE <u>739</u>		APPROVED <u>G. JOBERTS</u>							

EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
PART NO.	DESCRIPTION OF EQUIPMENT	WEIGHT	X AXIS		Y AXIS		Z AXIS	
			ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1								
2	Body Section (As Weighed)	272.60	68.67	18,719.1	100.44	27,380.5	100.62	27,429.3
3								
4								
5	ADD:	0						
6								
7								
8	DEDUCT:	0						
9								
10								
11	Body Section (Complete)	272.60	68.67	18,719.1	100.44	27,380.5	100.62	27,429.3
12								
13								
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6.1.9 WEIGHT AND BALANCE CHANGE RECORD									
ASSOCIATE CONTRACTOR		BOEING		CONTRACT NO.		REPORT NO.			
COMPONENT		SHEET		LOT NO.		DATE			
MODEL NO.		WB-133		DRAWING NO.		PREPARED			
SERIAL NO.		0000250		U.O. MISSILE		APPROVED			
				25-36080-1		W. BAIRD			
				742		G. ROBERTS			
EQUIPMENT CHANGE RECORD				WEIGHT AND BALANCE					
UNIT	PART NO.	DESCRIPTION OF EQUIPMENT	WEIGHT	X AXIS		Y AXIS		Z AXIS	
				ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1	25-36080-1	Body Section (As Weighed)	273.50	68.72	18,796.2	100.41	27,463.3	100.67	27,533.7
2									
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36080-1	Body Section (Complete)	273.50	68.72	18,796.2	100.41	27,463.3	100.67	27,533.7
12									
13									
14									
15									
16									
17									
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6.1.30				WEIGHT AND BALANCE CHANGE RECORD							
ASSOCIATE CONTRACTOR		BOEING		CONTRACT NO.		AF04(694)-046		REPORT NO.		OPR-2119	
COMPONENT		ENGINE		LOT NO.				DATE		5/9/63	
MODEL NO.		WB-133A		DRAWING NO.		25-36080-1		PREPARED		R. HOLCOMB	
SERIAL NO.		0000251		U.O. MISSILE		746		APPROVED		G. ROBERTS	
EQUIPMENT CHANGE RECORD				WEIGHT AND BALANCE							
PART NO.		DESCRIPTION OF EQUIPMENT		WEIGHT		X AXIS		Y AXIS		Z AXIS	
						ARM		MOMENT		ARM	
1	25-36080-1	Body Section (As Weighed)		271.55		68.70	18,654.8	100.53	27,299.1	100.58	27,311.7
2											
3											
4											
5		ADD:		0							
6											
7											
8		DEDUCT:		0							
9											
10											
11	25-36080-1	Body Section (Complete)		271.55		68.70	18,654.8	100.53	27,299.1	100.58	27,311.7
12											
13											
14											
15											
16											
17											
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6.3.11 WEIGHT AND BALANCE CHANGE RECORD											
ASSOCIATE CONTRACTOR		BOEING		CONTRACT NO.		AF04(694)-046		REPORT NO.		OFR-2122	
COMPONENT		SKIRT		LOT NO.				DATE		5/9/63	
MODEL NO.		WS-133		DRAWING NO.		25-36080-1		PREPARED		R. HOLCOMB	
SERIAL NO.		000252		U.O. MISSILE		749		APPROVED		G. ROBERTS	
EQUIPMENT CHANGE RECORD				WEIGHT AND BALANCE							
PART NO.	DESCRIPTION OF EQUIPMENT	WEIGHT	X AXIS ARM	X AXIS MOMENT	Y AXIS ARM	Y AXIS MOMENT	Z AXIS ARM	Z AXIS MOMENT			
1											
2	25-36080-1 Body Section (As Weighed)	271.75	68.46	18,605.2	100.64	27,348.1	100.54	27,320.8			
3											
4											
5	ADD:	0									
6											
7											
8	DEDUCT:	0									
9											
10											
11	25-36080-1 Body Section (Complete)	271.75	68.46	18,605.2	100.64	27,348.1	100.54	27,320.8			
12											
13											
14											
15											
16											
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6.3.12		WEIGHT AND BALANCE CHANGE RECORD				
ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AF04(694)-046		REPORT NO.	OFR-2125
COMPONENT	SKIRT	LOT NO.			DATE	5/10/63
MODEL NO.	WB-133	DRAWING NO.	25-36080-1		PREPARED	JIM HILL
SERIAL NO.	0000253	U.O. MISSILE	752		APPROVED	G. ROBERTS

EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
PART NO.	DESCRIPTION OF EQUIPMENT	WEIGHT	X AXIS		Y AXIS		2 AXIS	
			ARM	MOMENT	ARM	MOMENT		ARM
1	225-36080-1 Body Section (As Weighed)	272.60	68.80	18,754.7	100.44	27,380.5	100.61	27,425.6
2								
3								
4								
5	ADD:	0						
6								
7								
8	DEDUCT:	0						
9								
10								
11	225-36080-1 Body Section (Complete)	272.60	68.80	18,754.7	100.44	27,380.5	100.61	27,425.6
12								
13								
14								
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6.3.13 WEIGHT AND BALANCE CHANGE RECORD											
ASSOCIATE CONTRACTOR		BOEING		CONTRACT NO. AF04(694)-046		REPORT NO. OFR-2128					
COMPONENT		SKIRT		LOT NO.		DATE		5/14/63			
MODEL NO.		WS-133		DRAWING NO.		PREPARED		JIM HILL			
SERIAL NO.		000254		U.O. MISSILE		APPROVED		G. OGARD			
EQUIPMENT CHANGE RECORD				WEIGHT AND BALANCE							
PART NO.		DESCRIPTION OF EQUIPMENT		WEIGHT		X AXIS		Y AXIS		Z AXIS	
						ARM		ARM		MOMENT	
1	225-36080-1	Body Section (As Weighed)		272.30	68.65	18,695.9	100.50	27,365.1	100.42	27,344.9	
2											
3											
4											
5		ADD:		0							
6											
7											
8		DEDUCT:		0							
9											
10											
11	25-36080-1	Body Section (Complete)		272.30	68.65	18,695.9	100.50	27,365.1	100.42	27,344.9	
12											
13											
14											
15											
16											
17											
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6.3.14 WEIGHT AND BALANCE CHANGE RECORD											
ASSOCIATE CONTRACTOR		BOEING		CONTRACT NO.		AF04(694)-046		REPORT NO.		OPR-2117	
COMPONENT		ELECT		LOT NO.				DATE		5/22/63	
MODEL NO.		WB-133		DRAWING NO.		25-36080-1		PREPARED		JIM HILL	
SERIAL NO.		0000255		U.O. MISSILE		743		APPROVED		G. OGARD	
EQUIPMENT CHANGE RECORD				WEIGHT AND BALANCE							
PART NO.	DESCRIPTION OF EQUIPMENT			WEIGHT	X AXIS		Y AXIS		Z AXIS		
					ARM	MOMENT	ARM	MOMENT	ARM	MOMENT	
1	25-36080-1	Body Section (As Weighed)		271.15	68.83	18,662.0	100.56	27,266.4	100.54	27,260.8	
2											
3											
4											
5		AID:		0							
6											
7											
8		DUCT:		0							
9											
10											
11	25-36080-1	Body Section (Complete)		271.15	68.83	18,662.0	100.56	27,266.4	100.54	27,260.8	
12											
13											
14											
15											
16											
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6.3.15 WEIGHT AND BALANCE CHANGE RECORD									
ASSOCIATE CONTRACTOR <u>BOEING</u>		CONTRACT NO. <u>AF04(69A)-046</u>		REPORT NO. <u>OPR-2120</u>					
COMPONENT <u>SKIRT</u>		LOT NO. <u>25-36080-1</u>		DATE <u>5/9/63</u>					
MODEL NO. <u>WS-133</u>		DRAWING NO. <u>25-36080-1</u>		PREPARED <u>R. HOLCOMB</u>					
SERIAL NO. <u>0000256</u>		U.O. MISSILE <u>747</u>		APPROVED <u>G. ROBERTS</u>					
EQUIPMENT CHANGE RECORD				WEIGHT AND BALANCE					
ITEM	PART NO.	DESCRIPTION OF EQUIPMENT	WEIGHT	X AXIS		Y AXIS		Z AXIS	
				ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1	25-36080-1	Body Section (As Weighed)	272.15	68.70	18,697.4	100.60	27,377.2	100.46	27,339.0
2									
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36080-1	Body Section (Complete)	272.15	68.70	18,697.4	100.60	27,377.2	100.46	27,339.0
12									
13									
14									
15									
16									
17									
18									
19									
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6.3.16 WEIGHT AND BALANCE CHANGE RECORD											
ASSOCIATE CONTRACTOR		BOEING		CONTRACT NO.		AF04(694)-046		REPORT NO.		OPR-2123	
COMPONENT		SKIRT		LOT NO.				DATE		5/9/63	
MODEL NO.		WS-133		DRAWING NO.		25-36080-1		PREPARED		JIM HILL	
SERIAL NO.		0000257		U.O. MISSILE		750		APPROVED		G. ROBERTS	
EQUIPMENT CHANGE RECORD				WEIGHT AND BALANCE							
UNIT	PART NO.	DESCRIPTION OF EQUIPMENT	WEIGHT	X AXIS		Y AXIS		Z AXIS			
				ARM	MOMENT	ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1	225-36080-1	Body Section (As Weighed)	271.85	68.73	18,683.6	100.41	27,296.5	100.71	27,377.9		
2											
3											
4											
5		ADD:	0								
6											
7											
8		DEDUCT:	0								
9											
10											
11	25-36080-1	Body Section (Complete)	271.85	68.73	18,683.6	100.41	27,296.5	100.71	27,377.9		
12											
13											
14											
15											
16											
17											
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6.3.17				WEIGHT AND BALANCE CHANGE RECORD							
ASSOCIATE CONTRACTOR		BOEING		CONTRACT NO.		A704(694)-046		REPORT NO.		OPR-2126	
COMPONENT		SKIT		LOT NO.				DATE		5/10/63	
MODEL NO.		WB-133		DRAWING NO.		25-36080-1		PREPARED		JIM HILL	
SERIAL NO.		0000258		U.O. MISSILE		753		APPROVED		G. ROBERTS	
EQUIPMENT CHANGE RECORD				WEIGHT AND BALANCE							
PART NO.		DESCRIPTION OF EQUIPMENT		WEIGHT		X AXIS		Y AXIS		Z AXIS	
						ARM		MOMENT		ARM	
1	25-36080-1	Body Section (As Weighed)		270.60		68.81	18,620.0	100.32	27,147.9	100.63	27,229.4
2											
3											
4											
5		ADD:		0							
6											
7											
8		DEDUCT:		0							
9											
10											
11	25-36080-1	Body Section (Complete)		270.60		68.81	18,620.0	100.32	27,147.9	100.63	27,229.4
12											
13											
14											
15											
16											
17											
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6.3.18 WEIGHT AND BALANCE CHANGE RECORD											
ASSOCIATE CONTRACTOR		BOEING		CONTRACT NO.		AF04(694)-046		REPORT NO.		OPR-2129	
COMPONENT		SKIRT		LOT NO.				DATE		5/14/63	
MODEL NO.		WS-133		DRAWING NO.		25-36080-1		PREPARED		JIM HILL	
SERIAL NO.		0000259		U.O. MISSILE		756		APPROVED		G. OGARD	
EQUIPMENT CHANGE RECORD				WEIGHT AND BALANCE							
LINE	PART NO.	DESCRIPTION OF EQUIPMENT	WEIGHT	X AXIS		Y AXIS		Z AXIS			
				ARM	MOMENT	ARM	MOMENT	ARM	MOMENT		
1	25-36080-1	Body Section (As Weighed)	273.05	68.80	18,785.8	100.51	27,445.5	100.63	27,476.1		
2											
3											
4											
5		ADD:	0								
6											
7											
8		DEDUCT:	0								
9											
10											
11	25-36080-1	Body Section (Complete)	273.05	68.80	18,785.8	100.51	27,445.5	100.63	27,476.1		
12											
13											
14											
15											
16											
17											
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6.3.19 WEIGHT AND BALANCE CHANGE RECORD									
ASSOCIATE CONTRACTOR BOEING		CONTRACT NO. AFO4(694)-046		REPORT NO. OPR-2133					
COMPONENT		LOT NO.		DATE					
MODEL NO. 18-133		DRAWING NO. 25-36080-1		PREPARED W. BAIRD					
SERIAL NO. 0000260		U.O. MISSILE 760		APPROVED G. OGARD					
EQUIPMENT CHANGE RECORD				WEIGHT AND BALANCE					
PART NO.	DESCRIPTION OF EQUIPMENT	WEIGHT	X AXIS ARM	X AXIS MOMENT	Y AXIS ARM	Y AXIS MOMENT	Z AXIS ARM	Z AXIS MOMENT	
1									
2	25-36080-1 Body Section (As Weighed)	272.10	68.87	18,739.8	100.38	27,312.4	100.66	27,390.2	
3									
4									
5	ADD:	0							
6									
7									
8	DEDUCT:	0							
9									
10									
11	25-36080-1 Body Section (Complete)	272.10	68.87	18,739.8	100.38	27,312.4	100.66	27,390.2	
12									
13									
14									
15									
16									
17									
18									
19									
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6.3.20 WEIGHT AND BALANCE CHANGE RECORD									
ASSOCIATE CONTRACTOR BOEING		CONTRACT NO. AF04(694)-046		REPORT NO. OFR-2136					
COMPONENT		LOT NO.		DATE					
MODEL NO.		DRAWING NO.		PREPARED					
SERIAL NO.		U.O. KISSILE		APPROVED					
		763		G. OGARD					
EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE							
PART NO.	DESCRIPTION OF EQUIPMENT	WEIGHT	X AXIS		Y AXIS		Z AXIS		
			ARM	MOMENT	ARM	MOMENT	ARM	MOMENT	
1	225-36080-1 Body Section (As Weighed)	272.90	68.85	18,785.5	100.64	27,464.9	100.50	27,426.7	
2									
3									
4									
5	ADD:	0							
6									
7									
8	DEDUCT:	0							
9									
10									
11	225-36080-1 Body Section (Complete)	272.90	68.85	18,785.5	100.64	27,464.9	100.50	27,426.7	
12									
13									
14									
15									
16									
17									
18									
19									
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23									
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31									
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6.3.21		WEIGHT AND BALANCE CHANGE RECORD				
ASSOCIATE COMPONENT	CONTRACTOR	BOEING	CONTRACT NO.	AF04(694)-046	REPORT NO.	QPR-2139
MODEL NO.	SKIRT	WS-133	LOT NO.	25-36080-1	DATE	5/21/63
SERIAL NO.	0000262		DRAWING NO.	766	PREPARED	R. ST. ROMAIN
			U.O. MISSILE		APPROVED	B. WARRENDER

EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
PART NO.	DESCRIPTION OF EQUIPMENT	WEIGHT	X AXIS		Y AXIS		Z AXIS	
			ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1								
2	25-36080-1 Body Section (As Weighed)	273.15	68.77	18,785.4	100.54	27,462.7	100.56	27,467.9
3								
4								
5	ADD:	0						
6								
7								
8	DEDUCT:	0						
9								
10								
11	25-36080-1 Body Section (Complete)	273.15	68.77	18,785.4	100.54	27,462.7	100.56	27,467.9
12								
13								
14								
15								
16								
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18								
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29								
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6.3.22 WEIGHT AND BALANCE CHANGE RECORD											
ASSOCIATE CONTRACTOR		BOEING		CONTRACT NO.		AF04(694)-046		REPORT NO.		OPR-2142	
COMPONENT		SKIRT		LOT NO.				DATE		5/24/63	
MODEL NO.		WS-133		DRAWING NO.		25-36080-1		PREPARED		R. ST. ROMAIN	
SERIAL NO.		000263		U.O. MISSILE		769		APPROVED		B. WARRENDER	
EQUIPMENT CHANGE RECORD				WEIGHT AND BALANCE							
PART NO.	DESCRIPTION OF EQUIPMENT	WEIGHT	X AXIS ARM	X AXIS MOMENT	Y AXIS ARM	Y AXIS MOMENT	Z AXIS ARM	Z AXIS MOMENT			
1	25-36080-1 Body Section (As Weighed)	271.05	68.85	18,660.5	100.53	27,249.1	100.59	27,265.3			
2											
3											
4											
5	ADD:	0									
6											
7											
8	DEDUCT:	0									
9											
10											
11	25-36080-1 Body Section (Complete)	271.05	68.85	18,660.5	100.53	27,249.1	100.59	27,265.3			
12											
13											
14											
15											
16											
17											
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29											
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6.3.23 WEIGHT AND BALANCE CHANGE RECORD									
ASSOCIATE CONTRACTOR		BOEING		CONTRACT NO. APO4(694)-046		REPORT NO. OPR-2145			
COMPONENT		BRIET		LOT NO.		DATE		5/27/63	
MODEL NO.		V8-133		DRAWING NO. 25-36080-1		PREPARED		R. HOLCOMB	
SERIAL NO.		0000264		U.O. MISSILE		APPROVED		B. WARRENDER	
EQUIPMENT CHANGE RECORD									
ITEM	PART NO.	DESCRIPTION OF EQUIPMENT	WEIGHT	X AXIS		Y AXIS		Z AXIS	
				ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1	25-36080-1	Body Section (As Weighed)	272.45	68.84	18,754.4	100.37	27,354.6	100.65	27,423.3
2									
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36080-1	Body Section (Complete)	272.45	68.84	18,754.4	100.37	27,354.6	100.65	27,423.3
12									
13									
14									
15									
16									
17									
18									
19									
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30									
31									
32									

6.3.24		WEIGHT AND BALANCE CHANGE RECORD	
ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AFD4(684)-046
COMPONENT	SKIRT	REPORT NO.	OPR-2131
MODEL NO.	HS-133	DATE	5/15/63
SERIAL NO.	0000265	DRAWING NO.	25-36080-1
		U.O. MISSILE	758
		PREPARED	JIM HILL
		APPROVED	G. OGDARD

EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
PART NO.	DESCRIPTION OF EQUIPMENT	WEIGHT	X AXIS		Y AXIS		Z AXIS	
			ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1								
2	25-36080-1 Body Section (As Weighed)	272.25	68.87	18,750.0	100.46	27,351.0	100.58	27,381.6
3								
4								
5	ADD:	0						
6								
7								
8	DEDUCT:	0						
9								
10								
11	25-36080-1 Body Section (Complete)	272.25	68.87	18,750.0	100.46	27,351.0	100.58	27,381.6
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								
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6.3.25		WEIGHT AND BALANCE CHANGE RECORD									
ASSOCIATE CONTRACTOR		CONTRACT NO.		REPORT NO.		DATE		PREPARED		APPROVED	
COMPONENT		LOT NO.		ARM		MOMENT		ARM		MOMENT	
MODEL NO.		DRAWING NO.		ARM		MOMENT		ARM		MOMENT	
SERIAL NO.		U.O. MISSILE		ARM		MOMENT		ARM		MOMENT	
BOEING		AF04(694)-046		OPR-2134		5/20/63		T. VOGEL		G. OGDARD	
SKIRT		25-36080-1		273.65		18,817.2		100.51		27,505.5	
18-133		761									
0000266											
EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE									
PART NO.		DESCRIPTION OF EQUIPMENT		WEIGHT		X AXIS		Y AXIS		Z AXIS	
				ARM		MOMENT		ARM		MOMENT	
1	225-36080-1	Body Section (As Weighed)		273.65	68.76	18,817.2	100.51	27,505.5	100.65	27,543.2	
2											
3											
4											
5		ADD:		0							
6											
7											
8		DEDUCT:		0							
9											
10											
11	225-36080-1	Body Section (Complete)		273.65	68.76	18,817.2	100.51	27,505.5	100.65	27,543.2	
12											
13											
14											
15											
16											
17											
18											
19											
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29											
30											
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32											

6.3.26		WEIGHT AND BALANCE CHANGE RECORD				
ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AF04(694)-046		REPORT NO.	OPR-2137
COMPONENT	SKIRT	LOT NO.			DATE	5/17/63
MODEL NO.	WS-133	DRAWING NO.	25-36080-1		PREPARED	W. BAIRD
SERIAL NO.	0000267	U.O. MISSILE	764		APPROVED	G. OGARD

EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
PART NO.	DESCRIPTION OF EQUIPMENT	WEIGHT	X AXIS		Y AXIS		Z AXIS	
			ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1								
2	25-36080-1 Body Section (As Weighed)	271.05	68.85	18,662.35	100.45	27,227.37	100.63	27,276.21
3								
4								
5	ADD:	0						
6								
7								
8	REDUCT:	0						
9								
10								
11	25-36080-1 Body Section (Complete)	271.05	68.85	18,662.35	100.45	27,227.37	100.63	27,276.21
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
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27								
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6.3.27		WEIGHT AND BALANCE CHANGE RECORD				
ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AF04(684)-046		REPORT NO.	OPR-2140
COMPONENT	SKIRT	LOT NO.			DATE	5/22/63
MODEL NO.	WS-133	DRAWING NO.	25-36080-1		PREPARED	R. HOLCOMB
SERIAL NO.	0000268	U.O. MISSILE	767		APPROVED	B. WARRENDER

EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
PART NO.	DESCRIPTION OF EQUIPMENT	WEIGHT	X AXIS		Y AXIS		Z AXIS	
			ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1								
2	25-36080-1 Body Section (As Weighed)	272.00	68.84	18,725.2	100.50	27,335.0	100.57	27,354.8
3								
4								
5	ADD:	0						
6								
7								
8	DEDUCT:	0						
9								
10								
11	25-36080-1 Body Section (Complete)	272.00	68.84	18,725.2	100.50	27,335.0	100.57	27,354.8
12								
13								
14								
15								
16								
17								
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6.3.28 WEIGHT AND BALANCE CHANGE RECORD											
ASSOCIATE CONTRACTOR		BOEING		CONTRACT NO.		AF04(694)-046		REPORT NO.		OPR-2144	
COMPONENT		SKIC		LOT NO.				DATE		5/27/63	
MODEL NO.		WB-133		DRAWING NO.		25-36080-1		PREPARED		R. ST. ROMAINE	
SERIAL NO.		0000269		U.O. MISSILE		772		APPROVED		B. WARRENDER	
EQUIPMENT CHANGE RECORD				WEIGHT AND BALANCE							
PART NO.		DESCRIPTION OF EQUIPMENT		WEIGHT		X AXIS		Y AXIS		Z AXIS	
						ARM		ARM		ARM	
						MOMENT		MOMENT		MOMENT	
1	225-36080-1	Body Section (As Weighed)	274.00	68.87	18,869.3	100.61	27,567.7	100.51	27,540.2		
2											
3											
4											
5		ADD:	0								
6											
7											
8		DEDUCT:	0								
9											
10											
11	25-36080-1	Body Section (Complete)	274.00	68.87	18,869.3	100.61	27,567.7	100.51	27,540.2		
12											
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6.3.29 WEIGHT AND BALANCE CHANGE RECORD									
ASSOCIATE CONTRACTOR BOEING			CONTRACT NO. AF04(694)-Q46		REPORT NO. OPR-2146				
COMPONENT			LOT NO.		DATE				
MODEL NO. WS-133			DRAWING NO. 25-36080-1		PREPARED		W. BAIRD		
SERIAL NO. 000270			U.O. MISSILE		APPROVED		O. OGDEN		
EQUIPMENT CHANGE RECORD			WEIGHT AND BALANCE						
PART NO.	DESCRIPTION OF EQUIPMENT	WEIGHT	X AXIS		Y AXIS		Z AXIS		
			ARM	MOMENT	ARM	MOMENT	ARM	MOMENT	
1									
2	25-36080-1 Body Section (As Weighed)	271.90	68.63	18,661.9	100.50	27,321.8	100.63	27,356.1	
3									
4									
5	ADD:	0							
6									
7									
8	DEDUCT:	0							
9									
10									
11	25-36080-1 Body Section (Complete)	271.90	68.63	18,661.9	100.50	27,321.8	100.63	27,356.1	
12									
13									
14									
15									
16									
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6.3.30		WEIGHT AND BALANCE CHANGE RECORD			
ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AFD4(694)-046	REPORT NO.	OFR-2150
COMPONENT	SKIRT	LOT NO.		DATE	6/1/63
MODEL NO.	WS-133	DRAWING NO.	25-36080-1	PREPARED	JIM HILL
SERIAL NO.	0000271	U.O. MISSILE	779	APPROVED	G. OGARD

EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE							
UNIT	PART NO.	DESCRIPTION OF EQUIPMENT	WEIGHT	X AXIS		Y AXIS		Z AXIS	
				ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1	25-36080-1	Body Section (As Weighed)	274.35	68.89	18,898.9	100.66	27,615.3	100.66	27,616.9
2									
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36080-1	Body Section (Complete)	274.35	68.89	18,898.9	100.66	27,615.3	100.66	27,616.9
12									
13									
14									
15									
16									
17									
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6.3.31 WEIGHT AND BALANCE CHANGE RECORD									
ASSOCIATE CONTRACTOR		BOILING		CONTRACT NO.		AF04(694)-046		REPORT NO.	
COMPONENT		SKIRT		LOT NO.				OFFR-2153	
MODEL NO.		WS-133		DRAWING NO.		25-36080-1		DATE	
SERIAL NO.		0000272		U.O. MISSILE		782		PREPARED	
								JIM HILL	
								APPROVED	
								G. OGARD	
EQUIPMENT CHANGE RECORD				WEIGHT AND BALANCE					
LINE	PART NO.	DESCRIPTION OF EQUIPMENT	WEIGHT	X AXIS		Y AXIS		Z AXIS	
				ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1									
2	25-36080-1	Body Section (As Weighed)	273.05	68.77	18,778.3	100.62	27,474.5	100.55	27,454.3
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36080-1	Body Section (Complete)	273.05	68.77	18,778.3	100.62	27,474.5	100.55	27,454.3
12									
13									
14									
15									
16									
17									
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6.3.32		WEIGHT AND BALANCE CHANGE RECORD				
ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AF04(694)-046		REPORT NO.	OPR-2156
COMPONENT	SKIRT	LOT NO.			DATE	6/5/63
MODEL NO.	WS-133	DRAWING NO.	25-36080-1		PREPARED	JIM HILL
SERIAL NO.	0000273	U.O. MISSILE	785		APPROVED	G. OGARD

EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
PART NO.	DESCRIPTION OF EQUIPMENT	WEIGHT	X AXIS		Y AXIS		Z AXIS	
			ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1	25-36080-1 Body Section (As Weighed)	273.45	68.89	18,836.7	100.57	27,500.0	100.73	27,545.1
2								
3								
4								
5	ADD:	0						
6								
7								
8	DEDUCT:	0						
9								
10								
11	25-36080-1 Body Section (Complete)	273.45	68.89	18,836.7	100.57	27,500.0	100.73	27,545.1
12								
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14								
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6.3.33 WEIGHT AND BALANCE CHANGE RECORD									
ASSOCIATE CONTRACTOR		BOEING		CONTRACT NO.		REPORT NO.		OFR-2130	
COMPONENT		SKIRT		LOT NO.		DATE		5/15/63	
MODEL NO.		WS-133		DRAWING NO.		PREPARED		R. ST. ROMAIN	
SERIAL NO.		0000275		U.O. MISSILE		APPROVED		B. WARREN	
EQUIPMENT CHANGE RECORD				WEIGHT AND BALANCE					
ITEM	PART NO.	DESCRIPTION OF EQUIPMENT	WEIGHT	X AXIS		Y AXIS		Z AXIS	
				ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1	225-36080-1	Body Section (As Weighed)	272.95	68.83	18,786.2	100.43	27,413.7	100.60	27,458.8
2									
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	225-36080-1	Body Section (Complete)	272.95	68.83	18,786.2	100.43	27,413.7	100.60	27,458.8
12									
13									
14									
15									
16									
17									
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6.3.34		WEIGHT AND BALANCE CHANGE RECORD			
ASSOCIATE CONTRACTOR <u>BOEING</u>		CONTRACT NO. <u>AF04(694)-046</u>		REPORT NO. <u>OPR-2135</u>	
COMPONENT <u>SKIRT</u>		LOT NO.		DATE <u>5/16/63</u>	
MODEL NO. <u>WS-133</u>		DRAWING NO. <u>25-36080-1</u>		PREPARED <u>W. BAIRD</u>	
SERIAL NO. <u>0000276</u>		U.O. MISSILE		APPROVED <u>G. O'CARD</u>	

EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE							
ITEM	PART NO.	DESCRIPTION OF EQUIPMENT	WEIGHT	X AXIS		Y AXIS		Z AXIS	
				ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1	225-36080-1	Body Section (As Weighed)	270.85	68.71	18,610.6	100.43	27,200.1	100.69	27,270.7
2									
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	225-36080-1	Body Section (Complete)	270.85	68.71	18,610.6	100.43	27,200.1	100.69	27,270.7
12									
13									
14									
15									
16									
17									
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6.3.35 WEIGHT AND BALANCE CHANGE RECORD											
ASSOCIATE CONTRACTOR		BOEING		CONTRACT NO.		AFOL(694)-046		REPORT NO.		QPR-2138	
COMPONENT		SICUT		LOT NO.				DATE		5/21/63	
MODEL NO.		WS-133		DRAWING NO.		25-36080-1		PREPARED		JIM HILL	
SERIAL NO.		0000277		U.O. MISSILE		765		APPROVED		G. OGARD	
EQUIPMENT CHANGE RECORD				WEIGHT AND BALANCE							
PART NO.		DESCRIPTION OF EQUIPMENT		WEIGHT		X AXIS		Y AXIS		Z AXIS	
						ARM		MOMENT		ARM	
1	25-36080-1	Body Section (As Weighed)		272.50		68.76	18,736.4	100.34	27,341.5	100.65	27,426.5
2											
3											
4											
5		ARM:		0							
6											
7											
8		DEDUCT:		0							
9											
10											
11	25-36080-1	Body Section (Complete)		272.50		68.76	18,736.4	100.34	27,341.5	100.65	27,426.5
12											
13											
14											
15											
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6.3.36		WEIGHT AND BALANCE CHANGE RECORD									
ASSOCIATE CONTRACTOR		BOEING		CONTRACT NO.		AF04(694)-046		REPORT NO.		QPR-2141	
COMPONENT		SKIRT		LOT NO.				DATE		5/22/63	
MODEL NO.		WS-133		DRAWING NO.		25-36080-1		PREPARED		R. ST. ROMAIN	
SERIAL NO.		0000278		U.O. MISSILE		768		APPROVED		B. WARRENDER	
EQUIPMENT CHANGE RECORDED				WEIGHT AND BALANCE							
PART NO.		DESCRIPTION OF EQUIPMENT		WEIGHT		X AXIS		Y AXIS		Z AXIS	
						ARM		MOMENT		ARM	
1	25-36080-1	Body Section (As Weighed)		270.95		68.89	18,666.5	100.52	27,235.5	100.65	27,269.8
2											
3											
4											
5		ADD:		0							
6											
7											
8		DEDUCT:		0							
9											
10											
11	25-36080-1	Body Section (Complete)		270.95		68.89	18,666.5	100.52	27,235.5	100.65	27,269.8
12											
13											
14											
15											
16											
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6.3.37 WEIGHT AND BALANCE CHANGE RECORD											
ASSOCIATE CONTRACTOR		BOEING		CONTRACT NO.		AF04(694)-046		REPORT NO.		OPR-2143	
COMPONENT		SKIRT		LOT NO.				DATE		5/24/63	
MODEL NO.		W3-133		DRAWING NO.		25-36080-1		PREPARED		R. HOLOMB	
SERIAL NO.		0000279		U.O. MISSILE		771		APPROVED		B. WARRENDER	
EQUIPMENT CHANGE RECORD				WEIGHT AND BALANCE							
LINE	PART NO.	DESCRIPTION OF EQUIPMENT	WEIGHT	X AXIS		Y AXIS		Z AXIS			
				ARM	MOMENT	ARM	MOMENT	ARM	MOMENT		
1	25-36080-1	Body Section (As Weighed)	272.35	68.73	18,719.2	100.44	27,353.7	100.67	27,417.0		
2											
3											
4											
5		ADD:	0								
6											
7											
8		DEDUCT:	0								
9											
10											
11	25-36080-1	Body Section (Complete)	272.35	68.73	18,719.2	100.44	27,353.7	100.67	27,417.0		
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6.3.38 WEIGHT AND BALANCE CHANGE RECORD											
ASSOCIATE CONTRACTOR		BOEING		CONTRACT NO.		AF04(694)-046		REPORT NO.		OPR-2148	
COMPONENT		SKIRT		LOT NO.				DATE		5/29/63	
MODEL NO.		WS-133		DRAWING NO.		25-36080-1		PREPARED		W. BAIRD	
SERIAL NO.		000280		U.O. MISSILE		717		APPROVED		G. OGARD	
EQUIPMENT CHANGE RECORD				WEIGHT AND BALANCE							
PART NO.		DESCRIPTION OF EQUIPMENT		WEIGHT		X AXIS		Y AXIS		Z AXIS	
						ARM		MOMENT		ARM	
1	225-36080-1	Body Section (As Weighed)		272.25		68.86	18,745.8	100.50	27,361.9	100.59	27,385.3
2											
3											
4											
5		ARM:		0							
6											
7											
8		DEDUCT:		0							
9											
10											
11	225-36080-1	Body Section (Complete)		272.25		68.86	18,745.8	100.50	27,361.9	100.59	27,385.3
12											
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6.3.39		WEIGHT AND BALANCE CHANGE RECORD			
ASSOCIATE CONTRACTOR BOEING		CONTRACT NO. AFO4(694)-046		REPORT NO. OPR-2152	
COMPONENT SKIRT		LOT NO.		DATE 5/31/63	
MODEL NO. WS-133		DRAWING NO. 25-36080-1		PREPARED W. BAIRD	
SERIAL NO. 0000281		U.O. MISSILE 780		APPROVED G. OGARD	

EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
PART NO.	DESCRIPTION OF EQUIPMENT	WEIGHT	X AXIS		Y AXIS		Z AXIS	
			ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1								
2	225-36080-1 Body Section (As Weighed)	272.30	68.72	18,712.8	100.54	27,375.9	100.53	27,373.9
3								
4								
5	ADD:	0						
6								
7								
8	DEDUCT:	0						
9								
10								
11	225-36080-1 Body Section (Complete)	272.30	68.72	18,712.8	100.54	27,375.9	100.53	27,373.9
12								
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14								
15								
16								
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6.3.40		WEIGHT AND BALANCE CHANGE RECORD									
ASSOCIATE CONTRACTOR BOEING		CONTRACT NO. AFO4(694)-046		REPORT NO. OPR-2154							
COMPONENT SKIRT		LOT NO.		DATE 6/4/63							
MODEL NO. WS-133		DRAWING NO. 25-36080-1		PREPARED JIM HILL							
SERIAL NO. 0000282		U.O. MISSILE		APPROVED G. OGDARD							

EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE							
UNIT	PART NO.	DESCRIPTION OF EQUIPMENT	WEIGHT	X AXIS		Y AXIS		Z AXIS	
				ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1	25-36080-1	Body Section (As Weighed)	274.15	68.71	18,836.1	100.49	27,548.2	100.61	27,582.4
2									
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36080-1	Body Section (Complete)	274.15	68.71	18,836.1	100.49	27,548.2	100.61	27,582.4
12									
13									
14									
15									
16									
17									
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6.3.41		WEIGHT AND BALANCE CHANGE RECORD	
ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AF04(694)-046
COMPONENT	SKIRT	LOT NO.	
MODEL NO.	WS-133	DRAWING NO.	25-36080-1
SERIAL NO.	0000283	U.O. MISSILE	786
REPORT NO.		OPR-2157	
DATE		6/14/63	
PREPARED		RH/CB	
APPROVED		B. WARREN	

EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
PART NO.	DESCRIPTION OF EQUIPMENT	WEIGHT	X AXIS		Y AXIS		Z AXIS	
			ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1								
2	25-36080-1 Body Section (As Weighed)	273.05	68.90	18,813.9	100.51	27,445.5	100.67	27,486.9
3								
4								
5	ADD:	0						
6								
7								
8	DEDUCT:	0						
9								
10								
11	25-36080-1 Body Section (Complete)	273.05	68.90	18,813.9	100.51	27,445.5	100.67	27,486.9
12								
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ASSOCIATE CONTRACTOR <u>BOMING</u> REPORT NO. <u>OPR-2149</u>			
COMPONENT <u>SKIRT</u> DATE <u>5/29/63</u>			
MODEL NO. <u>MS-133</u> PREPARED <u>H. BAIRD</u>			
SERIAL NO. <u>0000295</u> APPROVED <u>G. JOGARD</u>			
CONTRACT NO. <u>AF04(694)-046</u>			
LOT NO. <u>25-36080-1</u>			
DRAWING NO. <u>778</u>			
U.O. MISSILE			

EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
PART NO.	DESCRIPTION OF EQUIPMENT	WEIGHT	X AXIS		Y AXIS		Z AXIS	
			ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1								
2	25-36080-1 Body Section (As Weighed)	272.70	68.87	18,780.6	100.63	27,441.3	100.67	27,453.8
3								
4								
5	ADD:	0						
6								
7								
8	DEDUCT:	0						
9								
10								
11	25-36080-1 Body Section (Complete)	272.70	68.87	18,780.6	100.63	27,441.3	100.67	27,453.8
12								
13								
14								
15								
16								
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6.3.43		WEIGHT AND BALANCE CHANGE RECORD					
ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AF04(694)-046		REPORT NO.	GPR-2152	
COMPONENT	SKIRT	LOT NO.			DATE	6/3/63	
MODEL NO.	WS-133	DRAWING NO.	25-36080-1		PREPARED	H. BAIRD	
SERIAL NO.	0000286	U.O. MISSILE	781		APPROVED	G. OGDARD	

EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE							
UNIT	PART NO.	DESCRIPTION OF EQUIPMENT	WEIGHT	X AXIS		Y AXIS		Z AXIS	
				ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1	25-36080-1	Body Section (As Weighed)	272.40	68.81	18,744.3	100.48	27,372.4	100.67	27,423.8
2									
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36080-1	Body Section (Complete)	272.40	68.81	18,744.3	100.48	27,372.4	100.67	27,423.8
12									
13									
14									
15									
16									
17									
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6.3.44		WEIGHT AND BALANCE CHANGE RECORD									
ASSOCIATE CONTRACTOR		BOEING		CONTRACT NO.		AF04(694)-046		REPORT NO.		OFR-2155	
COMPONENT		SKIRT		LOT NO.				DATE		6/4/63	
MODEL NO.		WS-133		DRAWING NO.		25-36080-1		PREPARED		JTM HILL	
SERIAL NO.		000287		U.O. MISSILE		784		APPROVED		G. OGARD	

EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
PART NO.	DESCRIPTION OF EQUIPMENT	WEIGHT	X AXIS		Y AXIS		Z AXIS	
			ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1								
2	25-36080-1 Body Section (As Weighed)	274.30	68.85	18,885.0	100.66	27,612.1	100.75	27,635.4
3								
4								
5	ADD:	0						
6								
7								
8	DEDUCT:	0						
9								
10								
11	25-36080-1 Body Section (Complete)	274.30	68.85	18,885.0	100.66	27,612.1	100.75	27,635.4
12								
13								
14								
15								
16								
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6.3.45 WEIGHT AND BALANCE CHANGE RECORD									
ASSOCIATE CONTRACTOR		DOING		CONTRACT NO.		REPORT NO.		DATE	
COMPONENT		SKIRT		LOT NO.		DATE		5/15/63	
MODEL NO.		WS-133		DRAWING NO.		PREPARED		T. VOGEL	
SERIAL NO.		0000349		U.O. MISSILE		APPROVED		G. OGDARD	
EQUIPMENT CHANGE RECORD				WEIGHT AND BALANCE					
UNIT	PART NO.	DESCRIPTION OF EQUIPMENT	WEIGHT	X AXIS		Y AXIS		Z AXIS	
				ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1	25-36080-1	Body Section (As Weighed)	270.95	68.82	18,645.9	100.45	27,217.4	100.69	27,280.7
2									
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36080-1	Body Section (Complete)	270.95	68.82	18,645.9	100.45	27,217.4	100.69	27,280.7
12									
13									
14									
15									
16									
17									
18									
19									
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21									
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BOEING

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6.4 BASE HEAT DEFLECTOR

SERIAL NUMBER	25-36379-1	25-36378-1	25-36377-1
0000230	5.87 lb.	15.62 lb.	25.51 lb.
0000234	5.90	15.55	25.13
0000240	5.88	15.52	25.39
0000241	5.95	15.36	25.54
0000242	5.94	15.46	25.30
0000243	5.97	15.58	25.57
0000244	5.97	15.50	25.55
0000249	5.97	15.43	25.08
0000250	5.94	15.52	25.48
0000251	5.94	15.74	25.41
0000252	5.88	15.63	25.24
0000253	5.80	15.54	25.31
0000254	6.05	15.57	25.55
0000255	5.93	15.50	25.36
0000256	5.91	15.45	25.42
0000257	5.96	15.52	25.46
0000258	6.01	15.71	25.38
0000259	5.90	15.61	25.02
0000260	6.01	15.64	25.47
0000261	5.92	15.47	25.23
0000262	6.01	15.54	25.29
0000263	5.95	15.36	25.49
0000264	6.02	15.27	25.14
0000265	5.95	15.50	25.18
0000266	5.79	15.62	25.66
0000267	5.91	15.66	25.49
0000268	5.97	15.67	25.26
0000269	5.93	15.64	25.11
0000270	5.94	15.48	24.94
0000271	5.97	15.57	25.28
0000272	5.90	15.50	25.05
0000273	5.88	15.70	25.44
0000275	5.89	15.44	25.46
0000276	5.92	15.66	25.49

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6.4

BASE HEAT DEFLECTORS (CONT.)

SERIAL NUMBER	25-36379-1	25-36378-1	25-36377-1
0000277	5.90 lb.	15.54 lb.	25.14 lb.
0000278	5.91	15.42	25.23
0000279	5.96	15.52	25.77
0000280	5.93	15.60	25.42
0000281	5.94	15.33	25.40
0000282	6.00	15.54	25.23
0000283	5.96	15.28	25.55
0000285	5.81	15.63	25.22
0000286	5.91	15.75	25.36
0000287	6.00	15.70	25.18
0000349	6.00	15.50	25.63

REV SYM _____

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