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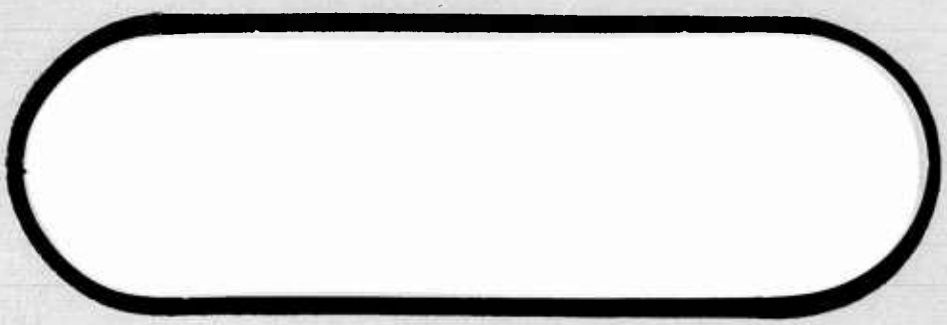
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CODE IDENT NO. 81205

NUMBER D2-13946-10

TITLE FLIGHT ARTICLE MASS PROPERTIES REPORT FOR MINUTEMAN WING II AND III COMPONENTS FOR MISSILE 905-2M4

MODEL NO. WS-133A CONTRACT NO. AF04(694)-46

ISSUE NO. _____ ISSUED TO _____

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TITLE FLIGHT ARTICLE MASS PROPERTIES REPORT FOR MINUTEMAN WING II AND III COMPONENTS FOR MISSILE 905-944 (U)

MODEL NO. WB-133A CONTRACT NO. AF04(694)-46

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SUMMARY

This report contains mass property summaries of the Boeing components for a series of Operational Wing II and III 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 Supplemental Agreement No. 6 to Contract AF04(694)-46.

1.1.3 Boeing Document D2-13943-2, "Flight Article Mass Properties Report for CTLI 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 12 through 51.

1.3 DISCUSSION

This weight report for the Boeing components of a series of Operational Wing II and III Minuteman missiles is presented in accordance with section 3.1.1 of BSD Exhibit 62-45 (reference 1.1.1) as authorized by Supplemental Agreement No. 6 to Contract AF04(694)-46 (reference 1.1.2). Since the data are to be reported monthly, this report contains data for a series of Wing II and III 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 61 through 190). 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 60 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 Assemblages (S-133-1000-0-1)" dated 15 March 1963.

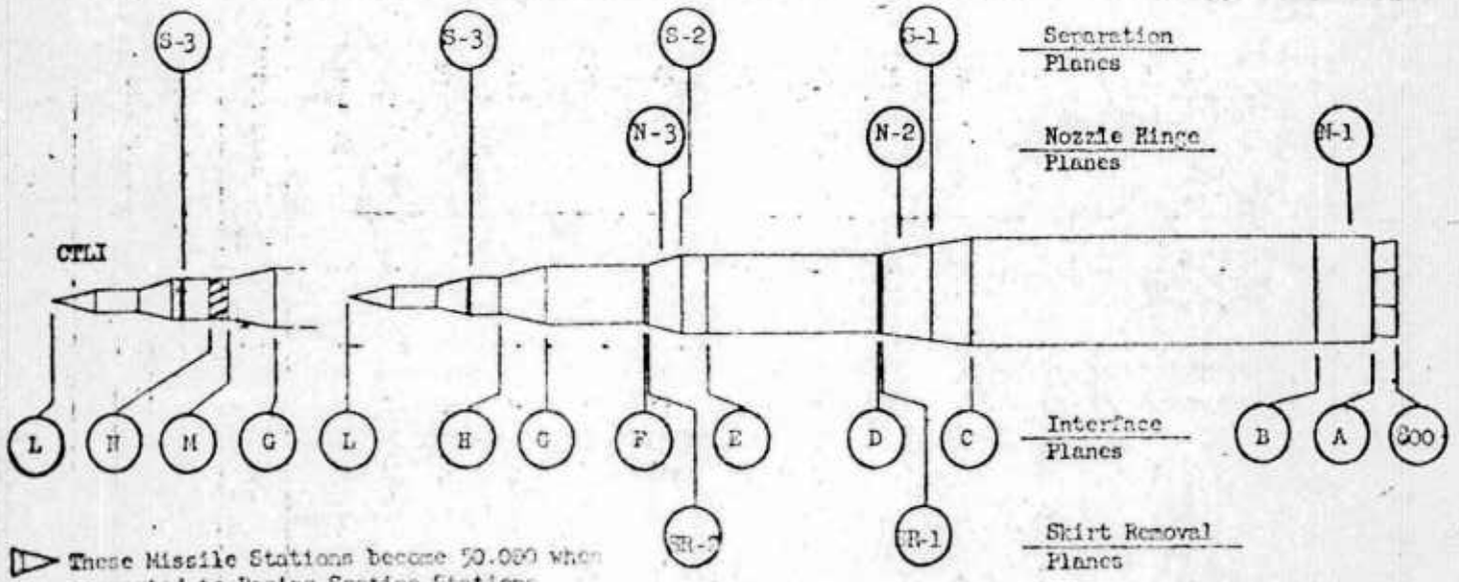
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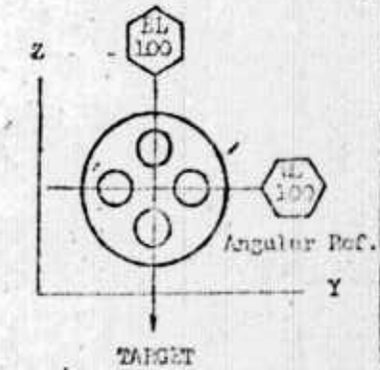
2.0 OPERATIONAL AND CTLI MISSILE STATION DIAGRAM FOR WINGS II THRU V



These Missile Stations become 50.000 when converted to Boeing Section Stations.

To be determined.

SEPARATION PLANES	MISSILE STA	INTERFACE PLANES	BODY STA
S-1	501.611	A	784.201
S-2	343.246	B	748.201
S-3	[2]	C	525.561
S-3 CTLI	[2]	D	466.481
		E	357.546
SKIRT REMOVAL PLANES		F	319.136
SR-1	466.931	G	257.421
SR-2	319.716	H	225.921
		L	129.449
NOZZLE RINGE PLANES			
N-1	769.994	M	225.921
N-2	480.747	M	215.921
N-3	327.296	L CTLI	113.187



Reference:
25-19999 Sheet 2 DCN-E

3.1 MISSILE NO. 905
WEIGHT AND BALANCE SUMMARY
MAJOR COMPONENTS S/N 0000409

REPORT NO. _____
DATE _____

LINE	SEC.	DESCRIPTION	DATA	EXPENDED WEIGHT (LB)	TOTAL WEIGHT (LB)	CENTER OF GRAVITY LONG.*	CENTER OF GRAVITY LAT.	CENTER OF GRAVITY VERT.	INERTIA SLUG FT^{2}x10-3 ROLL	INERTIA SLUG FT^{2}x10-3 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			17.49	98.41	106.45	111.35	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	.29		131.00	100.00	100.00	0	0
14	45	Interstage 2-3			120.39	59.63	100.96	101.41	.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	87.63		61.46	98.85	100.54	.008	.005
22	45	Interstage 2-3			63.63	80.60	99.32	101.46	.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			32.64	146.90	105.00	110.28	.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			244.46	67.26	99.45	101.54	.032	.022
30		(Fwd)	Silo							
31			Aero							
32			Base	3.19		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	192.33		69.00	98.53	100.40	.028	.018
37	47	Interstage 1-2			129.80	96.91	100.82	99.54	.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			60.57	228.10	109.87	116.72	.004	.115
41			Silo	2.82		100.41	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			284.28	68.56	100.91	101.26	.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			954.28					
49			Silo	32.20						
50			Aero	21.25						
51			Base	58.71						
52			Jett	286.99						

* Boeing Section Stations (See Missile Station Diagram)

3.2 MISSILE NO. 906
WEIGHT AND BALANCE SUMMARY
MAJOR COMPONENTS S/N 0000415

REPORT NO. _____
DATE _____

LINE	SEC.	DESCRIPTION	DATA	EXPENDED WEIGHT (LB)	TOTAL WEIGHT (LB)	CENTER OF GRAVITY LONG.*	CENTER OF GRAVITY LAT.	CENTER OF GRAVITY VERT.	INERTIA SLUG FT²x10-3 ROLL	INERTIA SLUG FT²x10-3 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			17.67	98.77	106.38	111.23	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			120.69	59.83	100.09	101.52	.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	87.93		61.72	98.70	100.70	.008	.005
22	45	Interstage 2-3			63.83	80.60	99.32	101.46	.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			32.74	147.04	105.89	110.24	.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			243.56	97.17	99.47	101.64	.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	198.83		68.86	98.56	100.52	.028	.018
37	42	Interstage 1-2			129.50	96.31	100.82	99.84	.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			60.62	228.06	109.86	116.71	.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			284.78	66.56	100.68	101.14	.064	.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			954.81					
49			Silo	32.20						
50			Aero	21.25						
51			Base	58.71						
52			Jett	286.76						

* Boeing Section Stations (See Missile Station Diagram)

3.3 MISSILE NO.907
WEIGHT AND BALANCE SUMMARY
MAJOR COMPONENTS S/N 0000425

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			17.65	98.73	106.39	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			120.24	60.02	100.20	101.52	.010	.026
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	87.48		62.00	99.04	100.65	.008	.005
22	45	Interstage 2-3			63.53	80.60	99.32	101.46	.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			32.75	147.06	105.88	110.84	.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			243.89	67.09	99.63	101.57	.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	198.67		68.77	98.76	100.44	.028	.018
37	47	Interstage 1-2			129.41	96.91	100.80	99.84	.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			60.48	227.97	102.88	116.75	.004	.115
41			Silo	2.89		120.41	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			284.48	68.58	100.83	101.17	.064	.039
45			Silo	17.57		68.02	100.35	100.69	.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			953.36					
49			Silo	32.20						
50			Aero	21.25						
51			Base	58.71						
52			Jett	886.15						

* Boeing Section Stations (See Missile Station Diagram)

3.4 MISSILE NO. 908
WEIGHT AND BALANCE SUMMARY
MAJOR COMPONENTS S/N 0000410

REPORT NO. _____
DATE _____

LINE	SEC.	DESCRIPTION	DATA	EXPENDED WEIGHT (LB)	TOTAL WEIGHT (LB)	CENTER OF GRAVITY			INERTIA SLUG FT²x10-3	
						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	98.71	106.32	111.85	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	.29		131.00	100.00	100.00	0	0
14	45	Interstage 2-3			120.32	59.54	100.11	101.44	.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	87.63		61.33	98.91	100.59	.008	.005
22	45	Interstage 2-3			63.63	80.60	99.32	101.46	.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			32.60	146.85	105.91	110.29	.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			244.24	67.16	99.47	101.55	.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	139.11		68.84	98.56	100.41	.028	.018
37	47	Interstage 1-2			129.67	96.91	100.82	99.84	.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			51.13	228.93	104.26	116.57	.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			285.03	88.34	100.88	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			955.35					
49			Silo	32.20						
50			Aero	21.25						
51			Base	58.71						
52			Jett	286.74						

* Boeing Section Stations (See Missile Station Diagram)

3.5 MISSILE NO. 909
WEIGHT AND BALANCE SUMMARY
MAJOR COMPONENTS S/N 0000416

REPORT NO. _____
DATE

LINE	SEC.	DESCRIPTION	DATA	EXPENDED WEIGHT (LB)	TOTAL WEIGHT (LB)	CENTER OF GRAVITY LONG.*	CENTER OF GRAVITY LAT.	CENTER OF GRAVITY VERT.	INERTIA SLUG FT2x10-3 ROLL	INERTIA SLUG FT2x10-3 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	88.83	105.36	111.20	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			120.15	59.85	100.14	101.42	.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		61.85	98.95	100.36	.008	.005
22	45	Interstage 2-3			63.47	80.60	99.32	101.46	.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			32.71	147.00	105.89	110.25	.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			243.23	66.97	93.50	101.69	.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	198.80		69.18	98.52	100.32	.028	.018
37	47	Interstage 1-2			129.48	96.91	100.88	99.84	.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			61.94	228.80	109.79	116.79	.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			287.18	68.50	100.78	101.20	.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			956.71					
49			Silo	32.20						
50			Aero	21.25						
51			Base	58.71						
52			Jett	286.19						

* Boeing Section Stations (See Missile Station Diagram)

3.6 MISSILE NO. 910
WEIGHT AND BALANCE SUMMARY
MAJOR COMPONENTS S/N 0000426

REPORT NO. _____
DATE _____

LINE	SEC.	DESCRIPTION	DATA	EXPENDED WEIGHT (LB)	TOTAL WEIGHT (LB)	CENTER OF GRAVITY LONG.*	CENTER OF GRAVITY LAT.	CENTER OF GRAVITY VERT.	INERTIA SLUG FT2x10-3 ROLL	INERTIA SLUG FT2x10-3 PITCH
1	41	HV 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	98.82	106.37	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			120.36	59.90	100.03	101.54	.010	.009
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		61.53	98.80	100.71	.008	.005
22	45	Interstage 2-3			63.61	80.60	99.32	101.46	.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			32.73	147.03	105.82	110.25	.001	.018
26			Silo	.63		99.68	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			243.49	67.32	99.55	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	195.36		69.04	98.65	100.40	.028	.018
37	47	Interstage 1-2			129.22	99.91	100.82	99.84	.024	.014
38		(Aft)	Silo	3.37		96.69	100.34	100.59	.001	0
39			Aero	3.41		97.71	101.08	103.41	.001	0
40	48	1st Stage Engine			60.30	228.60	109.82	116.63	.004	.115
41			Silo	2.89		120.41	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			287.33	68.62	100.32	101.06	.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			956.36					
49			Silo	32.20						
50			Aero	21.25						
51			Base	50.71						
52			Jett	285.96						

* Boeing Section Stations (See Missile Station Diagram)

3.7 MISSILE NO. 911
WEIGHT AND BALANCE SUMMARY
MAJOR COMPONENTS S/N 0000353

REPORT NO. _____
DATE _____

LINE	SEC.	DESCRIPTION	DATA	EXPENDED WEIGHT (LB)	TOTAL WEIGHT (LB)	CENTER OF GRAVITY LONG.*	CENTER OF GRAVITY LAT.	CENTER OF GRAVITY VERT.	INERTIA SLUG FT2x10-3 ROLL	INERTIA SLUG FT2x10-3 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	98.78	106.36	111.23	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			120.24	59.54	100.11	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	87.42		61.34	98.92	100.65	.008	.005
22	45	Interstage 2-3			63.53	80.60	99.32	101.46	.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			32.72	147.02	105.89	110.25	.001	.018
26			Silo	.63		99.02	112.30	121.20	0	0
27			Aero	.53		99.02	112.30	121.20	0	0
28			Base	1.80		189.25	100.00	100.00	0	0
29	47	Interstage 1-2			244.28	67.05	92.58	101.49	.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	199.15		68.71	98.70	100.34	.028	.018
37	47	Interstage 1-2			129.58	96.91	100.82	99.84	.024	.014
38		(Aft)	Silo	3.37		96.69	100.34	100.59	.001	0
39			Aero	3.41		97.71	101.95	103.41	.001	0
40	48	1st Stage Engine			69.05	227.32	109.96	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			288.43	68.21	100.82	101.07	.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	40.00		69.10	101.70	102.76	.009	.006
48		MISSILE			957.63					
49			Silo	32.20						
50			Aero	21.25						
51			Base	58.71						
52			Jett	286.57						

* Boeing Section Stations (See Missile Station Diagram)

3.8 MISSILE NO. 912
WEIGHT AND BALANCE SUMMARY
MAJOR COMPONENTS S/N 0000431

REPORT NO. _____
DATE _____

LINE	SEC.	DESCRIPTION	DATA	EXPENDED WEIGHT (LB)	TOTAL WEIGHT (LB)	CENTER OF GRAVITY LONG.*	CENTER OF GRAVITY LAT.	CENTER OF GRAVITY VERT.	INERTIA SLUG FT^{2}x10-3 ROLL	INERTIA SLUG FT^{2}x10-3 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	98.82	106.37	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	.29		134.00	100.00	100.00	0	0
14	45	Interstage 2-3			120.28	59.82	100.00	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	87.52		61.73	98.76	100.71	.008	.005
22	45	Interstage 2-3			63.54	80.60	99.32	101.46	.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			32.67	146.94	105.90	110.27	.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			244.02	67.32	99.48	101.04	.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	198.89		69.24	98.57	100.38	.028	.018
37	42	Interstage 1-2			129.54	96.91	100.82	99.84	.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			60.77	228.70	103.81	116.61	.004	.115
41			Silo	2.89		120.41	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			287.83	68.52	101.03	101.07	.004	.039
45			Silo	17.57		60.02	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			957.51					
49			Silo	32.20						
50			Aero	21.25						
51			Base	58.71						
52			Jett	286.41						

* Boeing Section Stations (See Missile Station Diagram)

2-5550-0-58

3.9 MISSILE NO. 913
WEIGHT AND BALANCE SUMMARY
MAJOR COMPONENTS S/N 0000417

REPORT NO. _____
DATE _____

LINE	SEC.	DESCRIPTION	DATA	EXPENDED WEIGHT (LB)	TOTAL ~~WEIGHT~~ (LB)	CENTER OF GRAVITY LONG.*	CENTER OF GRAVITY LAT.	CENTER OF GRAVITY VERT.	INERTIA SLUG FT2x10-3 ROLL	INERTIA SLUG FT2x10-3 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			17.65	98.72	106.39	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			119.91	59.70	100.11	101.61	.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	87.15		61.56	98.92	100.81	.008	.005
22	45	Interstage 2-3			63.31	80.60	99.32	101.46	.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			32.77	147.98	105.88	110.24	.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			244.62	67.08	99.51	101.09	.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	199.49		68.75	98.61	100.44	.028	.018
37	47	Interstage 1-2			129.89	99.91	100.82	99.84	.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			61.17	228.99	129.77	116.56	.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			289.88	68.54	100.91	101.07	.064	.039
45			Silo	17.57		65.02	100.35	100.60	.004	.002
46			Aero	3.33		67.62	100.64	101.12	.001	0
47			Base	40.60		69.10	101.70	102.76	.009	.006
48		MISSILE			960.22					
49			Silo	32.20						
50			Aero	21.25						
51			Base	58.71						
52			Jett	286.64						

* Boeing Section Stations (See Missile Station Diagram)

3.10 MISSILE NO. 914
WEIGHT AND BALANCE SUMMARY
MAJOR COMPONENTS S/N 0000427

REPORT NO. _____
DATE _____

LINE	SEC.	DESCRIPTION	DATA	EXPENDED WEIGHT (LB)	TOTAL WEIGHT (LB)	CENTER OF GRAVITY LONG.*	CENTER OF GRAVITY LAT.	CENTER OF GRAVITY VERT.	INERTIA SLUG FT2x10-3 ROLL	INERTIA SLUG FT2x10-3 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			17.72	98.86	106.36	111.20	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			120.42	59.66	100.04	101.59	.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	87.66		61.50	98.83	100.78	.008	.005
22	45	Interstage 2-3			63.65	80.60	99.32	101.46	.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			32.61	146.86	105.91	110.28	.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			243.96	67.27	99.45	101.64	.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	198.83		68.99	95.53	100.58	.028	.018
37	47	Interstage 1-2			129.50	96.91	100.82	99.84	.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			60.90	228.59	109.82	116.63	.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			288.53	68.56	100.78	101.13	.004	.039
45			Silo	17.57		69.02	100.35	100.60	.004	.002
46			Aero	3.33		67.89	100.64	101.12	.001	0
47			Base	40.60		69.10	101.70	102.76	.009	.006
48		MISSILE			958.31					
49			Silo	32.20						
50			Aero	21.25						
51			Base	58.71						
52			Jett	286.49						

* Boeing Section Stations (See Missile Station Diagram)

3.11 MISSILE NO. 915
WEIGHT AND BALANCE SUMMARY
MAJOR COMPONENTS S/N 0000432

REPORT NO. _____
DATE _____

LINE	SEC.	DESCRIPTION	DATA	EXPENDED WEIGHT (LB)	TOTAL WEIGHT (LB)	CENTER OF GRAVITY LONG.*	CENTER OF GRAVITY LAT.	CENTER OF GRAVITY VERT.	INERTIA SLUG FT2x10-3 ROLL	INERTIA SLUG FT2x10-3 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			17.77	98.96	106.35	111.17	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	59.79	100.04	101.51	.010	.026
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	87.45		61.68	98.83	100.68	.008	.005
22	45	Interstage 2-3			63.51	80.60	99.32	101.46	.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			32.91	147.28	105.85	110.19	.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			243.11	67.25	99.37	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	197.98		68.96	98.43	100.45	.028	.018
37	47	Interstage 1-2			129.00	90.21	100.82	92.84	.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			60.76	228.39	109.84	116.67	.004	.115
41			Silo	2.89		100.41	111.84	120.45	0	.004
42			Aero	1.04		136.60	117.20	129.70	0	.001
43			Base	4.80		300.40	100.00	100.00	0	0
44	49	Skirt			289.28	68.57	100.85	101.08	.004	.039
45			Silo	17.57		68.02	100.35	100.60	.004	.002
46			Aero	3.33		67.60	100.64	101.12	.001	0
47			Base	42.60		69.10	101.70	102.76	.009	.006
48		MISSILE			957.57					
49			Silo	32.20						
50			Aero	21.25						
51			Base	58.71						
52			Jett	285.43						

* Boeing Section Stations (See Missile Station Diagram)

3.12 MISSILE NO. 916
WEIGHT AND BALANCE SUMMARY
MAJOR COMPONENTS S/N 0000418

REPORT NO. _____
DATE _____

LINE	SEC.	DESCRIPTION	DATA	EXPENDED WEIGHT (LB)	TOTAL WEIGHT (LB)	CENTER OF GRAVITY LONG.*	CENTER OF GRAVITY LAT.	CENTER OF GRAVITY VERT.	INERTIA SLUG FT²x10⁻³ ROLL	INERTIA SLUG FT²x10⁻³ 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	98.69	106.40	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		131.09	100.00	100.00	0	0
14	45	Interstage 2-3			119.82	59.76	99.97	101.57	.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	87.06		61.65	98.72	100.75	.008	.005
22	45	Interstage 2-3			63.25	80.69	99.32	101.46	.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			32.69	146.97	105.90	110.26	.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			243.08	67.34	99.63	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	197.25		69.08	98.76	100.34	.028	.018
37	47	Interstage 1-2			128.98	99.21	100.82	99.84	.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			61.07	228.85	102.79	116.58	.004	.115
41			Silo	2.89		100.41	111.84	120.45	0	.004
42			Aero	1.04		136.60	117.20	129.70	0	.001
43			Base	4.60		302.40	100.00	100.00	0	0
44	49	Skirt			286.98	68.59	100.85	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			954.52					
49			Silo	32.20						
50			Aero	21.25						
51			Base	50.71						
52			Jett	285.01						

* Boeing Section Stations (See Missile Station Diagram)

3.13 MISSILE NO. 917
WEIGHT AND BALANCE SUMMARY
MAJOR COMPONENTS S/N 0000428

REPORT NO. _____
DATE _____

LINE	SEC.	DESCRIPTION	DATA	EXPENDED WEIGHT (LB)	TOTAL WEIGHT (LB)	CENTER OF GRAVITY LONG.*	CENTER OF GRAVITY LAT.	CENTER OF GRAVITY VERT.	INERTIA SLUG FT²x10-3 ROLL	INERTIA SLUG FT²x10-3 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	98.82	106.37	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			120.18	59.71	100.04	101.55	.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	87.42		61.57	98.83	100.74	.008	.005
22	45	Interstage 2-3			63.49	80.50	99.32	101.46	.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			32.81	147.14	105.87	110.22	.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			244.02	67.06	99.42	101.51	.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	198.89		68.72	98.51	100.36	.028	.018
37	47	Interstage 1-2			129.54	69.21	100.82	99.84	.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			60.90	228.60	109.82	116.63	.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			287.88	68.47	100.80	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			957.54					
49			Silo	32.20						
50			Aero	21.25						
51			Base	58.71						
52			Jett	286.31						

* Boeing Section Stations (See Missile Station Diagram)

3.14 MISSILE NO. 918
WEIGHT AND BALANCE SUMMARY
MAJOR COMPONENTS S/N 0000433

REPORT NO. _____
DATE _____

LINE	SEC.	DESCRIPTION	DATA	EXPENDED WEIGHT (LB)	TOTAL WEIGHT (LB)	CENTER OF GRAVITY			INERTIA SLUG FT²x10-3	
						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			17.65	98.73	106.39	111.25	0	.003
11			Silo	.43		94.95	110.30	117.70	0	0
12			Aero	.60		94.95	110.30	117.70	0	0
13			Base	.20		131.00	100.00	100.00	0	0
14	45	Interstage 2-3			120.15	52.65	100.02	101.51	.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		61.50	98.79	100.69	.008	.005
22	45	Interstage 2-3			63.47	80.60	99.32	101.46	.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			32.69	146.97	105.90	110.26	.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			242.44	67.55	99.68	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	197.31		69.35	98.80	100.28	.028	.018
37	47	Interstage 1-2			128.62	96.91	100.82	99.84	.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			60.94	228.65	109.81	116.62	.004	.119
41			Silo	2.82		190.41	111.84	120.45	0	.004
42			Aero	1.04		136.60	117.20	129.70	0	.001
43			Base	4.80		302.40	100.00	100.00	0	0
44	49	Skirt			285.33	68.55	101.01	100.88	.064	.039
45			Silo	17.57		66.02	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			952.31					
49			Silo	32.20						
50			Aero	21.25						
51			Base	58.71						
52			Jett	284.70						

* Boeing Section Stations (See Missile Station Diagram)

2-5550-0-58

3.15 MISSILE NO. 919
WEIGHT AND BALANCE SUMMARY
MAJOR COMPONENTS S/N 0000419

REPORT NO. ·
DATE

LINE	SEC.	DESCRIPTION	DATA	EXPENDED WEIGHT (LB)	TOTAL WEIGHT (LB)	CENTER OF GRAVITY LONG.*	CENTER OF GRAVITY LAT.	CENTER OF GRAVITY VERT.	INERTIA SLUG FT²x10-3 ROLL	INERTIA SLUG FT²x10-3 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	98.80	106.38	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			120.51	59.71	100.04	101.46	.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	87.75		61.55	98.83	100.61	.008	.005
22	45	Interstage 2-3			63.71	80.60	99.32	101.46	.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			32.86	147.20	105.86	116.21	.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			243.67	67.25	99.56	101.02	.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		67.02	100.27	100.76	.001	0
36			Jett	198.54		68.97	98.66	100.50	.028	.018
37	47	Interstage 1-2			129.34	96.91	100.82	99.84	.024	.014
38		(Aft)	Silo	3.37		96.69	100.34	100.59	.001	0
39			Aero	3.41		97.71	101.95	103.41	.021	0
40	48	1st Stage Engine			60.27	227.65	109.92	116.80	.004	.115
41			Silo	2.89		199.41	111.84	120.45	0	.004
42			Aero	1.04		136.60	117.80	129.70	0	.001
43			Base	4.80		369.40	100.00	100.00	0	0
44	49	Skirt			285.38	68.52	100.89	101.07	.064	.039
45			Silo	17.57		68.02	100.35	100.60	.004	.002
46			Aero	3.33		67.60	100.64	101.12	.001	0
47			Base	40.60		69.10	101.70	102.76	.009	.006
48		MISSILE			254.45					
49			Silo	32.80						
50			Aero	21.25						
51			Base	58.71						
52			Jett	286.29						

* Boeing Section Stations (See Missile Station Diagram)

2-5550-0-58

3.16 MISSILE NO. 920
WEIGHT AND BALANCE SUMMARY
MAJOR COMPONENTS S/N 0000429

REPORT NO. _____
DATE _____

LINE	SEC.	DESCRIPTION	DATA	EXPENDED WEIGHT (LB)	TOTAL WEIGHT (LB)	CENTER OF GRAVITY LONG.*	CENTER OF GRAVITY LAT.	CENTER OF GRAVITY VERT.	INERTIA SLUG FT2x10-3 ROLL	INERTIA SLUG FT2x10-3 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	98.61	106.41	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			120.28	59.77	99.96	101.62	.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	87.52		61.66	98.73	100.83	.008	.005
22	45	Interstage 2-3			63.54	80.60	99.32	101.46	.006	.003
23		(Aft)	Silo	1.18		80.27	100.50	100.84	0	0
24			Aero	1.18		82.00	103.07	105.23	0	0
25	46	2nd Stage Engine			32.67	146.94	105.89	110.27	.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			243.36	67.33	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	198.23		69.06	98.65	100.40	.028	.018
37	47	Interstage 1-2			129.15	96.91	100.82	99.84	.024	.014
38		(Aft)	Silo	3.37		96.69	100.34	100.59	.001	0
39			Aero	3.41		97.71	101.95	103.41	.001	0
40	48	1st Stage Engine			60.82	228.49	109.83	116.65	.004	.115
41			Silo	2.89		100.41	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			287.38	68.62	100.94	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	.021	0
47			Base	40.60		69.10	101.70	102.76	.009	.006
48		MISSILE			955.82					
49			Silo	32.20						
50			Aero	21.25						
51			Base	58.71						
52			Jett	285.75						

* Boeing Section Stations (See Missile Station Diagram)

2-5550-0-58

3.17 MISSILE NO. 921
WEIGHT AND BALANCE SUMMARY
MAJOR COMPONENTS S/N 0000354

REPORT NO. _____
DATE _____

LINE	SEC.	DESCRIPTION	DATA	EXPENDED WEIGHT (LB)	TOTAL WEIGHT (LB)	CENTER OF GRAVITY			INERTIA SLUG FT2x10-3	
						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	98.78	106.38	111.23	0	.003
11			Silo	.43		94.95	110.30	117.70	0	0
12			Aero	.60		94.95	110.30	117.70	0	0
13			Base	.20		131.00	100.00	100.00	0	0
14	45	Interstage 2-3			119.85	52.67	99.99	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	87.09		61.53	98.75	100.74	.008	.005
22	45	Interstage 2-3			63.27	80.60	99.32	101.46	.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			32.61	146.86	105.90	110.28	.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			243.77	67.68	99.67	101.52	.032	.022
30		(Fwd)	Silo							
31			Aero							
32			Base	3.10		64.96	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	198.64		69.49	98.81	100.38	.028	.018
37	47	Interstage 1-2			129.39	96.91	100.82	99.84	.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			60.64	228.21	109.85	116.30	.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			285.23	68.61	100.87	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			251.46					
49			Silo	32.20						
50			Aero	21.25						
51			Base	58.71						
52			Jett	285.73						

* Boeing Section Stations (See Missile Station Diagram)

3.18 MISSILE NO. 922
WEIGHT AND BALANCE SUMMARY
MAJOR COMPONENTS S/N 0000434

REPORT NO. _____
DATE _____

LINE	SEC.	DESCRIPTION	DATA	EXPENDED WEIGHT (LB)	TOTAL WEIGHT (LB)	CENTER OF GRAVITY LONG.*	CENTER OF GRAVITY LAT.	CENTER OF GRAVITY VERT.	INERTIA SLUG FT²x10-3 ROLL	INERTIA SLUG FT²x10-3 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	98.65	106.49	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			120.06	59.65	100.95	101.51	.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	87.30		61.50	98.84	100.69	.008	.005
22	45	Interstage 2-3			63.41	80.60	99.32	101.46	.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			32.76	147.07	105.88	110.24	.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			243.61	67.12	99.59	101.58	.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	193.48		68.81	98.71	100.45	.028	.018
37	47	Interstage 1-2			129.30	96.91	100.82	99.84	.024	.014
38		(Aft)	Silo	3.37		96.69	100.34	100.59	.001	0
39			Aero	3.41		97.71	101.28	103.41	.001	0
40	48	1st Stage Engine			60.72	228.33	109.65	116.68	.004	.115
41			Silo	2.89		120.41	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			285.23	68.52	100.90	101.19	.004	.039
45			Silo	17.57		68.02	100.35	100.60	.004	.002
46			Aero	3.33		67.60	100.64	101.12	.001	0
47			Base	40.60		69.10	101.70	102.76	.009	.006
48		MISSILE			951.72					
49			Silo	32.20						
50			Aero	21.25						
51			Base	58.71						
52			Jett	285.78						

* Boeing Section Stations (See Missile Station Diagram)

2-5550-0-58

3.19 MISSILE NO. 923
WEIGHT AND BALANCE SUMMARY
MAJOR COMPONENTS S/N 0000420

REPORT NO. _____
DATE _____

LINE	SEC.	DESCRIPTION	DATA	EXPENDED WEIGHT (LB)	TOTAL WEIGHT (LB)	CENTER OF GRAVITY LONG.*	CENTER OF GRAVITY LAT.	CENTER OF GRAVITY VERT.	INERTIA SLUG FT²x10-3 ROLL	INERTIA SLUG FT²x10-3 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	98.78	106.38	111.23	0	.003
11			Silo	.43		94.95	110.30	117.70	0	0
12			Aero	.60		94.95	110.30	117.70	0	0
13			Base	.20		131.00	100.00	100.00	0	0
14	45	Interstage 2-3			120.42	59.71	100.18	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	87.66		61.57	99.02	100.72	.008	.005
22	45	Interstage 2-3			63.65	80.80	99.32	101.46	.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			32.78	147.10	105.68	110.23	.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			243.39	67.27	99.58	101.61	.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	7.26		66.87	100.10	100.17	.001	.001
35		Portion	Base	5.40		67.02	100.27	100.76	.001	0
36			Jett	198.17		69.00	98.69	100.50	.028	.018
37	47	Interstage 1-2			129.11	96.21	100.52	99.84	.024	.014
38		(Aft)	Silo	3.37		96.69	100.34	100.59	.001	0
39			Aero	3.41		97.71	101.28	103.41	.001	0
40	48	1st Stage Engine			66.66	228.24	102.89	116.70	.004	.115
41			Silo	2.89		120.41	111.84	120.45	0	.004
42			Aero	1.04		136.60	117.20	122.70	0	.001
43			Base	4.80		309.40	100.00	100.00	0	0
44	49	Skirt			285.43	68.49	100.94	101.92	.064	.039
45			Silo	17.57		68.02	100.35	100.69	.004	.002
46			Aero	3.33		67.60	100.64	101.12	.001	0
47			Base	40.60		69.10	101.70	102.76	.009	.006
48		MISSILE			927.05					
49			Silo	32.80						
50			Aero	21.25						
51			Base	58.71						
52			Jett	285.83						

* Boeing Section Stations (See Missile Station Diagram)

2-5550-0-58

3.20 MISSILE NO. 924
WEIGHT AND BALANCE SUMMARY
MAJOR COMPONENTS S/N 0000430

REPORT NO. _____
DATE _____

LINE	SEC.	DESCRIPTION	DATA	EXPENDED WEIGHT (LB)	TOTAL WEIGHT (LB)	CENTER OF GRAVITY LONG.*	CENTER OF GRAVITY LAT.	CENTER OF GRAVITY VERT.	INERTIA SLUG FT²x10-3 ROLL	INERTIA SLUG FT²x10-3 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	98.63	106.41	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			119.94	59.86	100.00	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		61.78	98.76	100.72	.008	.005
22	45	Interstage 2-3			63.33	80.60	99.32	101.46	.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			32.25	146.35	105.98	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			243.42	67.60	99.66	101.58	.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	198.29		69.40	98.78	100.45	.028	.018
37	47	Interstage 1-2			123.13	98.21	100.62	99.84	.024	.014
38		(Aft)	Silo	3.37		96.69	100.34	100.52	.001	0
39			Aero	3.41		97.71	101.98	103.41	.001	0
40	48	1st Stage Engine			60.75	228.39	109.83	116.67	.004	.115
41			Silo	2.82		190.41	111.84	120.45	0	.004
42			Aero	1.04		136.60	117.20	129.70	0	.001
43			Base	4.80		300.40	100.00	100.00	0	0
44	49	Skirt			284.28	66.53	100.55	101.12	.004	.039
45			Silo	17.57		68.02	100.35	100.60	.004	.002
46			Aero	3.33		57.62	100.64	101.12	.001	0
47			Base	40.60		69.10	101.70	102.76	.009	.006
48		MISSILE			951.79					
49			Silo	32.80						
50			Aero	21.25						
51			Base	98.71						
52			Jett	289.47						

* Boeing Section Stations (See Missile Station Diagram)

2-5550-0-58

3.21 MISSILE NO. 925
WEIGHT AND BALANCE SUMMARY
MAJOR COMPONENTS S/N 0000435

REPORT NO. _____
DATE

LINE	SEC.	DESCRIPTION	DATA	EXPENDED WEIGHT (LB)	TOTAL WEIGHT (LB)	CENTER OF GRAVITY LONG.*	CENTER OF GRAVITY LAT.	CENTER OF GRAVITY VERT.	INERTIA SLUG FT²x10-3 ROLL	INERTIA SLUG FT²x10-3 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	98.71	106.32	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		134.00	100.00	100.00	0	0
14	45	Interstage 2-3			120.27	59.88	100.15	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	87.51		61.81	98.98	100.75	.008	.005
22	45	Interstage 2-3			63.55	80.60	99.32	101.46	.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	146.89	105.91	110.28	.001	.010
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			243.52	67.63	99.65	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	198.39		69.42	98.78	100.31	.028	.018
37	47	Interstage 1-2			129.24	96.91	100.82	99.84	.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			60.27	227.65	109.22	116.80	.004	.115
41			Silo	2.80		109.41	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			289.08	68.54	100.74	101.13	.004	.032
45			Silo	17.57		68.02	100.35	100.60	.004	.002
46			Aero	3.33		67.80	100.04	101.12	.001	0
47			Base	40.60		69.10	101.70	102.76	.009	.006
48		MISSILE			953.22					
49			Silo	32.80						
50			Aero	21.25						
51			Base	58.71						
52			Jett	285.90						

* Boeing Section Stations (See Missile Station Diagram)

2-5550-0-58

3.22 MISSILE NO. 926
WEIGHT AND BALANCE SUMMARY
MAJOR COMPONENTS S/N 0000436

REPORT NO. _____
DATE _____

LINE	SEC.	DESCRIPTION	DATA	EXPENDED WEIGHT (LB)	TOTAL WEIGHT (LB)	CENTER OF GRAVITY LONG.*	CENTER OF GRAVITY LAT.	CENTER OF GRAVITY VERT.	INERTIA SLUG FT²x10-3 ROLL	INERTIA SLUG FT²x10-3 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	98.82	106.37	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	.29		131.00	100.00	100.00	0	0
14	45	Interstage 2-3			120.54	52.75	100.14	101.61	.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	87.78		61.62	98.95	100.82	.008	.005
22	45	Interstage 2-3			65.73	80.66	99.32	101.46	.006	.003
23		(Aft)	Silo	1.18		80.27	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	147.22	105.86	110.20	.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			243.55	67.54	99.59	101.22	.032	.022
30		(Fwd)	Silo							
31			Aero							
32			Base	3.10		64.06	112.35	115.53	0	0
33			Silo	4.21		66.01	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	198.42		69.31	98.71	100.41	.028	.018
37	47	Interstage 1-2			129.29	96.91	100.82	99.84	.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			60.32	227.84	109.90	116.77	.004	.115
41			Silo	2.89		100.41	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			285.68	68.60	100.79	101.08	.004	.039
45			Silo	17.57		66.02	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	.002	.006
48		MISSILE			934.74					
49			Silo	32.29						
50			Aero	21.25						
51			Base	58.71						
52			Jett	286.20						

* Boeing Section Stations (See Missile Station Diagram)

2-5550-0-58

3.23 MISSILE NO. 927
WEIGHT AND BALANCE SUMMARY
MAJOR COMPONENTS S/N 0000441

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			17.74	98.70	106.35	111.19	0	.023
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			120.33	59.76	100.15	101.64	.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	87.57		61.62	98.98	100.86	.008	.005
22	45	Interstage 2-3			63.52	80.66	99.32	101.46	.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			32.69	146.97	105.90	110.26	.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			242.76	67.29	99.42	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		67.02	100.27	100.76	.001	0
36			Jett	197.63		69.02	98.51	100.43	.028	.018
37	47	Interstage 1-2			128.80	96.91	100.82	99.84	.004	.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			60.94	228.65	109.81	116.62	.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			284.43	68.59	100.78	100.99	.064	.039
45			Silo	17.57		66.02	100.35	100.60	.004	.002
46			Aero	3.33		67.80	100.04	101.12	.001	0
47			Base	40.60		69.10	101.70	102.76	.009	.006
48		MISSILE			958.32					
49			Silo	32.20						
50			Aero	21.25						
51			Base	58.71						
52			Jett	285.20						

* Boeing Section Stations (See Missile Station Diagram)

3.24 MISSILE NO. 928
WEIGHT AND BALANCE SUMMARY
MAJOR COMPONENTS S/N 0000451

REPORT NO. _____
DATE _____

LINE	STA.	DESCRIPTION	DATA	EXPENDED WEIGHT (LB)	TOTAL WEIGHT (LB)	CENTER OF GRAVITY LONG.*	CENTER OF GRAVITY LAT.	CENTER OF GRAVITY VERT.	INERTIA SLUG FT²x10-3 ROLL	INERTIA SLUG FT²x10-3 PITCH
1	41	RV Spacer								
2			Silo							
3			Aero							
4	39	GT4I 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			17.54	98.51	106.42	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			180.06	59.98	100.10	101.62	.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	87.30		51.94	98.91	100.83	.008	.005
22	45	Interstage 2-3			63.41	80.60	99.32	101.46	.006	.003
23		(Aft)	Silo	1.18		80.97	100.50	100.84	0	0
24			Aero	1.16		82.00	103.07	105.23	0	0
25	46	2nd Stage Engine			32.71	147.00	105.89	110.26	.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			242.54	67.37	99.37	101.60	.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	176.41		69.12	98.42	100.47	.028	.018
37	47	Interstage 1-2			128.67	96.21	100.82	99.84	.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			60.85	228.52	109.83	116.64	.004	.115
41			Silo	2.89		129.41	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			286.13	68.58	100.20	101.09	.004	.039
45			Silo	17.57		68.02	100.35	100.60	.004	.002
46			Aero	3.33		67.60	100.64	101.12	.001	0
47			Base	40.60		69.10	101.70	102.76	.009	.006
48		MISSILE			952.93					
49			Silo	32.20						
50			Aero	21.25						
51			Base	54.71						
52			Jett	284.71						

* Boeing Section Stations (See Missile Station Diagram)

2-5550-0-58

3.25 MISSILE NO. 929
WEIGHT AND BALANCE SUMMARY
MAJOR COMPONENTS S/N 0000442

REPORT NO. _____
DATE _____

LINE	SEC.	DESCRIPTION	DATA	EXPENDED WEIGHT (LB)	TOTAL WEIGHT (LB)	CENTER OF GRAVITY LONG.*	CENTER OF GRAVITY LAT.	CENTER OF GRAVITY VERT.	INERTIA SLUG FT²x10-3 ROLL	INERTIA SLUG FT²x10-3 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			17.74	98.80	106.35	111.19	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			120.03	58.86	100.03	101.62	.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	87.27		61.77	98.80	100.83	.008	.005
22	45	Interstage 2-3			63.39	80.60	99.32	101.46	.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			32.66	146.93	105.90	110.27	.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			244.59	67.80	99.57	101.51	.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	7.26		66.87	100.10	100.17	.001	.001
35		Portion	Base	5.40		67.09	100.27	100.76	.001	0
36			Jett	109.46		69.62	98.69	100.37	.028	.018
37	47	Interstage 1-2			122.87	96.91	100.82	99.84	.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			60.95	228.67	100.81	116.62	.004	.115
41			Silo	2.89		191.41	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			286.28	68.59	100.86	101.23	.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			956.63					
49			Silo	32.20						
50			Aero	21.25						
51			Base	98.74						
52			Jett	286.73						

* Boeing Section Stations (See Missile Station Diagram)

3.26 MISSILE NO. 930
WEIGHT AND BALANCE SUMMARY
MAJOR COMPONENTS S/N 0000452

REPORT NO. _____
DATE _____

LINE	SEC.	DESCRIPTION	DATA	EXPENDED WEIGHT (LB)	TOTAL WEIGHT (LB)	CENTER OF GRAVITY LONG.*	CENTER OF GRAVITY LAT.	CENTER OF GRAVITY VERT.	INERTIA SLUG FT2x10-3 ROLL	INERTIA SLUG FT2x10-3 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	98.82	106.37	111.21	0	.003
11			Silo	.43		94.95	110.30	117.70	0	0
12			Aero	.60		94.95	110.30	117.70	0	0
13			Base	.20		132.00	100.00	100.00	0	0
14	45	Interstage 2-3			119.94	59.60	100.05	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	87.18		61.42	98.83	100.70	.008	.005
22	45	Interstage 2-3			63.33	80.60	99.32	101.46	.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			32.74	147.04	105.88	110.25	.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			243.14	67.14	99.28	101.64	.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	198.01		68.82	98.31	100.52	.028	.018
37	47	Interstage 1-2			129.02	96.91	100.82	99.84	.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			60.71	228.31	109.85	116.68	.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			283.28	68.55	100.89	101.13	.064	.039
45			Silo	17.57		66.02	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			952.56					
49			Silo	32.20						
50			Aero	21.25						
51			Base	58.71						
52			Jett	285.19						

* Boeing Section Stations (See Missile Station Diagram)

3.27 MISSILE NO. 931
WEIGHT AND BALANCE SUMMARY
MAJOR COMPONENTS S/N 0000523

REPORT NO. _____
DATE _____

LINE	SEC.	DESCRIPTION	DATA	EXPENDED WEIGHT (LB)	TOTAL WEIGHT (LB)	CENTER OF GRAVITY LONG.*	CENTER OF GRAVITY LAT.	CENTER OF GRAVITY VERT.	INERTIA SLUG FT²x10-3 ROLL	INERTIA SLUG FT²x10-3 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	98.80	106.38	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 (Fwd)			120.09	99.82	102.12	101.52	.010	.006
15			Silo							
16			Aero							
17			Base	2.81		57.33	107.51	108.65	0	0
18		Jettisoned Portion	Silo	1.92		61.11	101.01	101.74	0	0
19			Aero	3.40		61.59	100.27	100.47	0	0
20			Base							
21			Jett	87.33		61.74	98.93	100.70	.008	.005
22	45	Interstage 2-3 (Aft)			63.43	80.60	99.32	101.46	.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			32.75	147.07	105.56	110.24	.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 (Fwd)			243.14	67.15	99.26	101.55	.032	.022
30			Silo							
31			Aero							
32			Base	3.10		64.06	112.35	115.53	0	0
33		Jettisoned Portion	Silo	4.21		66.61	100.32	100.55	.001	0
34			Aero	7.56		66.67	100.10	100.17	.001	.001
35			Base	5.40		67.09	100.27	100.76	.001	0
36			Jett	138.01		68.84	98.66	100.41	.028	.018
37	47	Interstage 1-2 (Aft)			129.02	96.91	100.82	99.84	.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			60.59	228.14	109.87	116.72	.094	.115
41			Silo	2.89		190.41	111.84	120.45	0	.004
42			Aero	1.04		176.60	117.20	129.70	0	.001
43			Base	4.80		309.40	100.00	100.00	0	0
44	49	Skirt			282.93	68.58	100.08	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			956.67					
49			Silo	32.20						
50			Aero	21.25						
51			Base	58.71						
52			Jett	285.34						

* Boeing Section Stations (See Missile Station Diagram)

2-5590-0-58

3.28 MISSILE NO. 932
WEIGHT AND BALANCE SUMMARY
MAJOR COMPONENTS S/N 0000437

REPORT NO. _____
DATE _____

LINE	SEC.	DESCRIPTION	DATA	EXPENDED WEIGHT (LB)	TOTAL WEIGHT (LB)	CENTER OF GRAVITY LONG.*	CENTER OF GRAVITY LAT.	CENTER OF GRAVITY VERT.	INERTIA SLUG FT2x10-3 ROLL	INERTIA SLUG FT2x10-3 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			17.52	98.86	106.37	111.22	0	.003
11			Silo	.43		94.95	110.32	117.70	0	0
12			Aero	.89		94.95	110.30	117.70	0	0
13			Base	.20		131.00	100.00	100.00	0	0
14	45	Interstage 2-3			119.77	52.48	100.16	101.42	.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 Portion	Aero	3.40		61.52	100.27	100.47	0	0
20			Base							
21			Jett	87.21		61.26	98.99	100.65	.008	.005
22	45	Interstage 2-3			63.35	80.60	99.32	101.46	.006	.003
23		(Aft)	Silo	1.18		80.27	100.50	100.84	0	0
24			Aero	1.18		82.00	103.07	105.23	0	0
25	46	2nd Stage Engine			32.74	147.04	105.89	110.25	.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			243.55	67.53	99.65	101.55	.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 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	198.42		69.30	98.78	100.41	.028	.018
37	47	Interstage 1-2			129.26	99.91	100.82	99.84	.024	.014
38		(Aft)	Silo	3.37		96.69	100.34	100.59	.001	0
39			Aero	3.41		97.71	101.95	103.41	.001	0
40	48	1st Stage Engine			60.89	228.58	109.82	116.63	.004	.115
41			Silo	2.89		120.41	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			285.38	68.58	100.83	101.07	.004	.039
45			Silo	11.57		68.02	100.35	100.60	.004	.002
46			Aero	3.33		67.89	100.64	101.12	.001	0
47			Base	40.60		62.10	101.70	102.76	.009	.006
48		MISSILE			954.48					
49			Silo	32.20						
50			Aero	21.25						
51			Base	58.71						
52			Jett	285.63						

* Boeing Section Stations (See Missile Station Diagram)

3.29 MISSILE NO. 933
WEIGHT AND BALANCE SUMMARY
MAJOR COMPONENTS S/N 000443

REPORT NO. _____
DATE _____

LINE	SEC.	DESCRIPTION	DATA	EXPENDED WEIGHT (LB)	TOTAL WEIGHT (LB)	CENTER OF GRAVITY LONG.*	CENTER OF GRAVITY LAT.	CENTER OF GRAVITY VERT.	INERTIA SLUG FT2x10-3 ROLL	INERTIA SLUG FT2x10-3 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	98.82	106.37	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	.22		131.00	100.00	100.00	0	0
14	45	Interstage 2-3			119.61	60.06	100.14	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		61.52	100.27	100.47	0	0
20		Portion	Base							
21			Jett	86.85		62.06	98.25	100.74	.008	.005
22	45	Interstage 2-3			63.11	80.60	99.32	101.46	.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			32.85	147.20	105.87	110.21	.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			244.02	67.47	99.74	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	198.89		62.23	98.88	100.31	.028	.018
37	47	Interstage 1-2			129.54	96.21	100.82	99.80	.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			60.75	228.37	102.84	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			285.48	68.38	101.93	100.98	.064	.039
45			Silo	17.57		69.02	100.35	100.60	.004	.002
46			Aero	3.33		67.80	100.04	101.12	.001	0
47			Base	40.60		69.10	101.70	102.76	.009	.006
48		MISSILE			954.08					
49			Silo	32.20						
50			Aero	21.25						
51			Base	58.71						
52			Jett	285.74						

* Boeing Section Stations (See Missile Station Diagram)

3.30 MISSILE NO. 934
WEIGHT AND BALANCE SUMMARY
MAJOR COMPONENTS S/N 0000453

REPORT NO. _____
DATE _____

LINE	SEC.	DESCRIPTION	DATA	EXPENDED WEIGHT (LB)	TOTAL WEIGHT (LB)	CENTER OF GRAVITY LONG.*	CENTER OF GRAVITY LAT.	CENTER OF GRAVITY VERT.	INERTIA SLUG FT²x10-3 ROLL	INERTIA SLUG FT²x10-3 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			17.76	98.94	106.35	111.18	0	.003
11			Silo	.43		94.95	110.30	117.70	0	0
12			Aero	.80		94.95	110.30	117.72	0	0
13			Base	.20		131.00	100.00	100.00	0	0
14	45	Interstage 2-3			180.28	92.88	100.19	101.57	.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 Portion	Aero	3.40		61.52	100.27	100.47	0	0
20			Base							
21			Jett	87.52		61.81	99.03	100.78	.008	.005
22	45	Interstage 2-3			53.54	80.60	99.32	101.46	.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			32.74	147.04	105.88	110.25	.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			242.16	67.[illegible]	99.61	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 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	197.03		69.08	96.72	100.[illegible]	.028	.018
37	47	Interstage 1-2			128.45	96.91	100.82	99.84	.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			60.71	228.31	109.85	116.68	.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			285.48	65.50	100.22	101.10	.064	.039
45			Silo	17.57		68.02	100.35	100.60	.004	.022
46			Aero	3.33		67.60	100.64	101.12	.001	0
47			Base	40.60		69.10	101.70	102.76	.002	.006
48		MISSILE			952.14					
49			Silo	32.20						
50			Aero	21.25						
51			Base	58.71						
52			Jett	284.55						

* Boeing Section Stations (See Missile Station Diagram)

2-5550-0-58

3.31 MISSILE NO. 935
WEIGHT AND BALANCE SUMMARY
MAJOR COMPONENTS S/N 0000355

REPORT NO. _____
DATE _____

LINE	SEC.	DESCRIPTION	DATA	EXPENDED WEIGHT (LB)	TOTAL WEIGHT (LB)	CENTER OF GRAVITY LONG.*	CENTER OF GRAVITY LAT.	CENTER OF GRAVITY VERT.	INERTIA SLUG FT2x10-3 ROLL	INERTIA SLUG FT2x10-3 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	98.67	106.40	111.27	.0	.003
11			Silo	.43		94.95	110.30	117.70	0	0
12			Aero	.80		94.95	110.30	117.79	0	0
13			Base	.20		131.00	100.00	100.00	0	0
14	45	Interstage 2-3			120.30	59.32	100.20	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	87.54		61.12	99.04	100.79	.008	.005
22	45	Interstage 2-3			63.57	80.60	99.32	101.46	.006	.003
23		(Aft)	Silo	1.18		82.27	100.50	102.84	0	0
24			Aero	1.18		82.00	103.07	105.23	0	0
25	46	2nd Stage Engine			32.76	147.07	105.88	116.24	.001	.018
26			Silo	.63		99.62	112.30	121.40	0	0
27			Aero	.53		99.62	112.30	121.30	0	0
28			Base	1.80		189.25	100.00	100.00	0	0
29	47	Interstage 1-2			243.33	67.25	99.55	101.41	.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		66.67	100.10	100.17	.001	.001
35		Portion	Base	5.40		67.09	100.27	100.76	.001	0
36			Jett	195.20		68.96	98.65	100.25	.028	.018
37	42	Interstage 1-2			129.13	96.91	100.82	99.84	.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			60.70	228.30	109.85	116.68	.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			266.03	68.41	100.87	101.29	.064	.039
45			Silo	17.27		68.02	100.35	100.60	.004	.002
46			Aero	3.33		67.60	100.64	101.12	.001	0
47			Base	40.60		69.10	101.70	102.76	.009	.006
48		MISSILE			954.46					
49			Silo	32.20						
50			Aero	21.25						
51			Base	58.71						
52			Jett	285.74						

* Boeing Section Stations (See Missile Station Diagram)

3.32 MISSILE NO. 936
WEIGHT AND BALANCE SUMMARY
MAJOR COMPONENTS S/N 0000438

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			17.67	98.77	106.38	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			120.32	59.56	100.14	101.44	.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	87.63		61.37	98.95	100.58	.008	.005
22	45	Interstage 2-3			63.63	80.66	99.32	101.46	.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			32.79	147.11	105.87	110.23	.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			242.95	67.75	99.83	101.37	.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	197.82		69.59	98.99	100.19	.028	.018
37	47	Interstage 1-2			128.91	96.91	100.82	99.84	.024	.014
38		(Aft)	Silo	3.37		96.69	100.34	100.59	.001	0
39			Aero	3.41		97.71	101.08	103.41	.001	0
40	48	1st Stage Engine			60.94	228.65	102.81	116.62	.004	.115
41			Silo	2.89		100.41	111.84	120.45	0	.004
42			Aero	1.04		136.60	117.20	122.70	0	.001
43			Base	4.80		300.40	100.00	100.00	0	0
44	49	Skirt			286.28	68.58	100.73	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			954.58					
49			Silo	32.20						
50			Aero	21.25						
51			Base	58.71						
52			Jett	285.45						

* Boeing Section Stations (See Missile Station Diagram)

2-5550-0-58

3.33 MISSILE NO. 937
WEIGHT AND BALANCE SUMMARY
MAJOR COMPONENTS S/N 0000439

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			17.77	98.96	106.35	111.17	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	59.92	100.19	101.62	.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	87.72		61.85	99.03	100.83	.008	.005
22	45	Interstage 2-3			63.69	80.60	99.32	101.46	.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			32.72	147.01	105.89	110.25	.001	.018
26			Silo	.63		99.68	112.30	121.20	0	0
27			Aero	.53		99.68	112.30	121.20	0	0
28			Base	1.80		189.25	100.00	100.00	0	0
29	42	Interstage 1-2			242.54	67.24	99.74	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		69.61	100.32	100.55	.001	0
34		Jettisoned	Aero	7.26		66.87	100.10	100.17	.001	.001
35		Portion	Base	5.40		67.02	100.27	100.76	.001	0
36			Jett	197.41		68.96	98.89	100.28	.028	.018
37	42	Interstage 1-2			128.67	96.91	100.82	99.84	.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			61.27	229.14	109.76	116.53	.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		389.40	100.00	100.00	0	0
44	49	Skirt			283.28	68.51	100.86	101.12	.064	.039
45			Silo	17.57		68.02	100.35	100.60	.004	.002
46			Aero	3.33		67.80	100.04	101.12	.001	0
47			Base	40.60		69.10	101.70	102.76	.009	.006
48		MISSILE			951.44					
49			Silo	32.20						
50			Aero	21.25						
51			Base	58.71						
52			Jett	285.13						

* Docing Section Stations (See Missile Station Diagram)

2-5550-0-58

3.34 MISSILE NO. 938
WEIGHT AND BALANCE SUMMARY
MAJOR COMPONENTS S/N 0000444

REPORT NO. _____
DATE _____

LINE	SEC.	DESCRIPTION	DATA	EXPENDED WEIGHT (LB)	TOTAL WEIGHT (LB)	CENTER OF GRAVITY LONG.*	CENTER OF GRAVITY LAT.	CENTER OF GRAVITY VERT.	INERTIA SLUG FT2x10-3 ROLL	INERTIA SLUG FT2x10-3 PITCH
1	41	MV 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	98.67	106.40	111.27	0	.003
11			Silo	.43		94.95	110.30	117.70	0	0
12			Aero	.50		94.95	110.30	117.70	0	0
13			Base	.20		131.00	100.00	100.00	0	0
14	45	Interstage 2-3			119.97	59.61	100.14	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	87.21		61.43	98.95	100.65	.008	.005
22	45	Interstage 2-3			63.35	80.60	99.32	101.46	.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			32.74	147.04	105.89	110.25	.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	1.00		189.25	100.00	100.00	0	0
29	47	Interstage 1-2			242.76	67.21	99.66	101.60	.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	197.63		68.92	98.78	100.47	.028	.018
37	47	Interstage 1-2			128.80	96.21	100.82	99.84	.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			60.59	286.14	109.86	116.72	.004	.115
41			Silo	2.82		120.41	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			286.13	68.58	100.84	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			952.98					
49			Silo	32.20						
50			Aero	21.25						
51			Base	28.71						
52			Jett	284.84						

* Boeing Section Stations (See Missile Station Diagram)

3.35 MISSILE NO. 939
WEIGHT AND BALANCE SUMMARY
MAJOR COMPONENTS S/N 000045

REPORT NO. _____
DATE _____

LINE	SEC.	DESCRIPTION	DATA	EXPENDED WEIGHT (LB)	TOTAL WEIGHT (LB)	CENTER OF GRAVITY LONG.*	CENTER OF GRAVITY LAT.	CENTER OF GRAVITY VERT.	INERTIA SLUG FT²x10-3 ROLL	INERTIA SLUG FT²x10-3 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	98.78	106.38	111.23	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	59.52	100.12	101.61	.010	.006
15		(Fwd)	Silo							
16			Aero							
17			Base	2.81		27.33	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	87.02		61.41	98.93	100.81	.008	.005
22	45	Interstage 2-3			63.23	80.60	99.32	101.46	.006	.003
23		(Aft)	Silo	1.18		80.27	100.50	100.84	0	0
24			Aero	1.18		82.00	103.07	105.23	0	0
25	46	2nd Stage Engine			32.31	146.44	105.26	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	1.60		189.25	100.00	100.00	0	0
29	47	Interstage 1-2			243.33	67.19	99.65	101.64	.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	198.20		68.89	98.77	100.52	.028	.018
37	47	Interstage 1-2			129.13	96.91	100.82	99.84	.024	.014
38		(Aft)	Silo	3.37		96.69	100.34	100.59	.001	0
39			Aero	3.41		97.71	101.96	103.41	.001	0
40	48	1st Stage Engine			60.65	228.22	103.86	116.70	.004	.115
41			Silo	2.89		120.41	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			285.13	68.54	100.84	101.11	.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			952.27					
49			Silo	32.20						
50			Aero	21.25						
51			Base	58.71						
52			Jett	285.23						

* Boeing Section Stations (See Missile Station Diagram)

2-5550-0-58

3.36 MISSILE NO. 940
WEIGHT AND BALANCE SUMMARY
MAJOR COMPONENTS S/N 0000445

REPORT NO. _____
DATE _____

LINE	SEC.	DESCRIPTION	DATA	EXPENDED WEIGHT (LB)	TOTAL WEIGHT (LB)	CENTER OF GRAVITY LONG.*	CENTER OF GRAVITY LAT.	CENTER OF GRAVITY VERT.	INERTIA SLUG FT²x10-3 ROLL	INERTIA SLUG FT²x10-3 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	98.78	106.36	111.23	0	.003
11			Silo	.43		94.95	110.30	117.70	0	0
12			Aero	.60		94.95	110.30	117.70	0	0
13			Base	.20		131.00	100.00	100.00	0	0
14	45	Interstage 2-3			119.91	59.53	100.05	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		61.52	100.27	100.47	0	0
20		Portion	Base							
21			Jett	87.15		61.33	98.83	100.60	.008	.005
22	45	Interstage 2-3			63.31	80.60	99.32	101.46	.006	.003
23		(Aft)	Silo	1.18		80.37	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	146.87	105.91	110.28	.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			242.89	67.14	99.58	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	100.19	100.17	.001	.001
35		Portion	Base	5.40		67.03	100.27	100.76	.001	0
36			Jett	197.76		68.83	98.68	100.26	.028	.018
37	47	Interstage 1-2			128.87	95.91	100.82	99.8.	.024	.014
38		(Aft)	Silo	3.37		96.69	100.34	100.59	.001	0
39			Aero	3.81		97.71	101.95	103.41	.001	0
40	48	1st Stage Engine			61.05	226.82	109.79	116.59	.004	.115
41			Silo	2.89		120.43	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			284.73	68.61	100.33	101.07	.064	.039
45			Silo	17.57		68.02	100.35	100.60	.004	.002
46			Aero	3.33		67.69	100.04	101.12	.001	0
47			Base	40.60		69.10	101.70	102.76	.009	.006
48		MISSILE			252.08					
49			Silo	32.20						
50			Aero	21.25						
51			Base	96.71						
52			Jett	284.91						

* Boeing Section Stations (See Missile Station Diagram)

3.37 MISSILE NO. 941
WEIGHT AND BALANCE SUMMARY
MAJOR COMPONENTS S/N 0000455

REPORT NO. _____
DATE _____

LINE	SEC.	DESCRIPTION	DATA	EXPENDED WEIGHT (LB)	TOTAL WEIGHT (LB)	CENTER OF GRAVITY LONG.*	CENTER OF GRAVITY LAT.	CENTER OF GRAVITY VERT.	INERTIA SLUG FT2x10-3 ROLL	INERTIA SLUG FT2x10-3 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			17.72	98.86	106.36	111.20	0	.003
11			Silo	.43		94.95	110.30	117.70	0	0
12			Aero	.69		94.95	110.30	117.70	0	0
13			Base	.20		131.02	100.00	100.00	0	0
14	45	Interstage 2-3			120.45	59.66	100.14	101.43	.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	87.69		61.50	98.98	100.57	.008	.005
22	45	Interstage 2-3			63.67	80.60	99.32	101.46	.006	.003
23		(Aft)	Silo	1.18		80.27	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	147.13	105.87	110.23	.001	.018
26			Silo	.63		99.62	112.30	121.20	0	0
27			Aero	.53		99.62	112.30	121.80	0	0
28			Base	1.80		189.25	100.00	100.00	0	0
29	47	Interstage 1-2			243.67	67.33	99.54	101.48	.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	198.54		69.05	98.65	100.33	.028	.018
37	42	Interstage 1-2			129.34	96.91	100.82	99.84	.024	.014
38		(Aft)	Silo	3.37		26.69	100.34	100.59	.001	0
39			Aero	3.61		97.71	101.98	103.43	.001	0
40	48	1st Stage Engine			60.64	228.21	109.86	116.70	.004	.115
41			Silo	2.89		190.41	111.84	120.45	0	.004
42			Aero	1.04		136.65	117.20	129.70	0	.001
43			Base	4.80		300.40	100.00	100.00	0	0
44	49	Skirt			284.68	68.55	100.86	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			953.99					
49			Silo	32.20						
50			Aero	21.25						
51			Base	58.71						
52			Jett	286.23						

* Boeing Section Stations (See Missile Station Diagram)

3.38 MISSILE NO. 942
WEIGHT AND BALANCE SUMMARY
MAJOR COMPONENTS S/N D000440

REPORT NO. _____
DATE _____

LINE	SEC.	DESCRIPTION	DATA	EXPENDED WEIGHT (LB)	TOTAL WEIGHT (LB)	CENTER OF GRAVITY LONG.*	CENTER OF GRAVITY LAT.	CENTER OF GRAVITY VERT.	INERTIA SLUG FT²x10-3 ROLL	INERTIA SLUG FT²x10-3 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			17.52	98.47	106.44	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			129.54	59.73	100.74	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	87.78		61.60	98.96	100.78	.008	.005
22	45	Interstage 2-3			63.73	80.60	99.32	101.46	.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			32.80	147.13	105.87	110.23	.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			243.39	67.19	99.67	101.41	.032	.022
30		(Fwd)	Silo							
31			Aero							
32			Base	3.10		64.06	112.35	115.53	0	0
33			Silo	4.21		69.61	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	198.26		68.89	98.79	100.24	.028	.018
37	47	Interstage 1-2			129.17	96.91	100.82	99.84	.024	.014
38		(Aft)	Silo	3.37		96.69	100.34	100.59	.001	0
39			Aero	3.41		97.71	101.95	103.41	.001	0
40	48	1st Stage Engine			60.65	228.22	109.86	116.70	.004	.115
41			Silo	2.89		190.41	111.84	120.45	0	.004
42			Aero	1.04		136.60	117.20	122.70	0	.001
43			Base	4.80		309.40	100.00	100.00	0	0
44	49	Skirt			283.63	68.53	100.97	101.04	.064	.039
45			Silo	17.57		68.02	100.35	100.60	.004	.002
46			Aero	3.33		67.69	100.64	101.12	.001	0
47			Base	40.60		69.19	101.70	102.76	.009	.006
48		MISSILE			952.45					
49			Silo	32.20						
50			Aero	21.25						
51			Base	58.71						
52			Jett	286.04						

* Boeing Section Stations (See Missile Station Diagram)

2-5550-0-58

3.39 MISSILE NO. 943
WEIGHT AND BALANCE SUMMARY
MAJOR COMPONENTS S/N 0000446

REPORT NO. _____
DATE _____

LINE	SEC.	DESCRIPTION	DATA	EXPENDED WEIGHT (LB)	TOTAL WEIGHT (LB)	CENTER OF GRAVITY LONG.*	CENTER OF GRAVITY LAT.	CENTER OF GRAVITY VERT.	INERTIA SLUG FT^{2}x10-3 ROLL	INERTIA SLUG FT^{2}x10-3 PITCH
1	41	RV Spacer								
2			Silo							
3			Aero							
4	39	CTLI Section								
5			Silo							
6			Aero							
7	42	GSC Section			1.02	80.94	100.00	100.00	0	0
8			Silo							
9			Aero							
10	44	3rd Stage Engine			17.55	98.53	106.43	111.31	0	.003
11			Silo	.43		94.95	110.30	117.70	0	0
12			Aero	.80		94.95	110.30	117.72	0	0
13			Base	.20		131.00	100.00	100.00	0	0
14	45	Interstage 2-3			112.92	92.72	100.12	101.47	.010	.006
15		(Fwd)	Silo							
16			Aero							
17			Base	2.61		27.33	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		61.58	98.93	100.52	.008	.005
22	45	Interstage 2-3			63.25	86.66	99.32	101.46	.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			32.80	147.13	105.88	110.23	.001	.010
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			244.27	67.06	99.70	101.56	.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		67.02	100.27	100.76	.001	0
36			Jett	199.14		68.73	98.84	100.44	.028	.018
37	47	Interstage 1-2			129.60	96.21	100.82	99.84	.024	.014
38		(Aft)	Silo	3.27		96.69	100.34	100.59	.001	0
39			Aero	3.41		97.71	101.28	103.41	.001	0
40	48	1st Stage Engine			60.75	228.37	104.84	116.67	.004	.115
41			Silo	2.89		190.41	111.84	120.45	0	.004
42			Aero	1.04		130.60	117.20	122.70	0	.001
43			Base	4.60		309.45	100.00	100.00	0	0
44	49	Skirt			284.43	68.49	100.79	101.19	.004	.032
45			Silo	17.57		66.02	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			953.58					
49			Silo	32.20						
50			Aero	21.25						
51			Base	28.71						
52			Jett	886.20						

* Boeing Section Stations (See Missile Station Diagram)

2-5550-0-58

3.40 MISSILE NO. 944
WEIGHT AND BALANCE SUMMARY
MAJOR COMPONENTS S/N 0000456

REPORT NO. _____
DATE _____

LINE	SEC.	DESCRIPTION	DATA	EXPENDED WEIGHT (LB)	TOTAL WEIGHT (LB)	CENTER OF GRAVITY			INERTIA SLUG FT²x10-3	
						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	98.63	106.41	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			119.97	59.77	100.12	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	87.21		61.66	98.93	100.80	.008	.005
22	45	Interstage 2-3			63.35	80.60	99.32	101.46	.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			32.68	146.96	105.90	110.26	.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			243.86	67.38	99.60	101.49	.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	7.59		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		97.32	98.72	100.34	.026	.018
37	42	Interstage 1-2			129.45	96.31	100.82	99.84	.024	.014
38		(Aft)	Silo	3.37		96.69	100.34	100.59	.001	0
39			Aero	3.41		97.71	101.28	103.41	.001	0
40	48	1st Stage Engine			90.88	228.57	109.82	116.64	.004	.115
41			Silo	2.82		100.41	111.04	120.45	0	.004
42			Aero	1.04		136.00	117.20	129.70	0	.001
43			Base	4.80		309.40	100.00	100.00	0	0
44	49	Skirt			263.48	68.56	100.72	101.21	.064	.039
45			Silo	17.57		66.02	100.35	100.60	.004	.002
46			Aero	3.33		67.80	100.04	101.12	.001	0
47			Base	15.60		69.10	101.70	102.76	.009	.006
48		MISSILE			952.23					
49			Silo	32.20						
50			Aero	21.85						
51			Base	58.71						
52			Jett	285.9						

* Boeing Section Stations (See Missile Station Diagram)

2-5550-0-58

3.41 WEIGHT AND BALANCE SUMMARY
MEAN WEIGHT COMPONENTS**

REPORT NO. _____
DATE _____

LINE	STA	DESCRIPTION	DATA	EXPENDED WEIGHT (LB)	TOTAL WEIGHT (LB)	CENTER OF GRAVITY LONG.*	CENTER OF GRAVITY LAT.	CENTER OF GRAVITY VERT.	INERTIA SLUG FT2x10-3 ROLL	INERTIA SLUG FT2x10-3 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		
8			Silo							
9			Aero							
10	44	3rd Stage Engine			11.70	81.14	109.64	116.97		
11			Silo							
12			Aero							
13			Base							
14	45	Interstage 2-3 (Fwd)			19.33	59.33	104.51	107.32		
15			Silo							
16			Aero							
17			Base							
18		Jettisoned Portion	Silo							
19			Aero							
20			Base							
21			Jett	8.32		60.79	98.72	103.60		
22	45	Interstage 2-3 (Aft)			7.54	80.44	98.47	97.10		
23			Silo							
24			Aero							
25	46	2nd Stage Engine			17.30	106.34	111.14	119.39		
26			Silo							
27			Aero							
28			Base							
29	47	Interstage 1-2 (Fwd)			22.47	64.36	106.23	106.22		
30			Silo							
31			Aero							
32			Base							
33		Jettisoned Portion	Silo							
34			Aero							
35			Base							
36			Jett	9.32		68.92	98.68	97.16		
37	47	Interstage 1-2 (Aft)			8.69	95.59	101.49	98.76		
38			Silo							
39			Aero							
40	48	1st Stage Engine			35.44	163.93	116.87	128.58		
41			Silo							
42			Aero							
43			Base							
44	49	Skirt			9.33	59.23	111.14	116.56		
45			Silo							
46			Aero							
47			Base							
48		MISSILE			132.82					
49			Silo							
50			Aero							
51			Base							
52			Jett							

*Boeing Section Stations (See Missile Diagram)

**See pages 53 through 59 for details of these items.

CHECK LIST NO. _____

DATE _____

4.1 MISSILE WEIGHING CHECK LIST

MODEL WS-133A FINAL ASSEMBLY DRAWING NO. 21 50150 12

SECTION 42 MISSILE NO. Wing II

MISSILE COMPONENT GUIDANCE SECTION COMPONENT PART NO. Noted

RECORD OF CHECKING (DATE)								
Mo								
Day								
Yr								
	COMPONENT						MISSILE	

ITEM NUMBER	DESCRIPTION	PART NO.	WEIGHT	X ARM	Y ARM	Z ARM	BASIC WEIGHT	AS WEIGHED		REMOTE SITE SHIPMENT	AS RECEIVED FROM SITE	AS WEIGHED REMOTE SITE	LAUNCH
2a	Instl. Kit-Guidance Section	25-27596-13	1.02	80.94	100.00	100.00	x						

2-5550-0-21

BOEING NO. D2-13946-10

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CHECK LIST NO. _____

DATE _____

4.2 MISSILE WEIGHING CHECK LIST

MODEL WS-133A FINAL ASSEMBLY DRAWING NO. 21-50150-12

RECORD OF CHECKING (DATE)							
Mo							
Day							
Yr							

SECTION 44 MISSILE NO. Wing II

MISSILE COMPONENT 3rd Stage Engine COMPONENT PART NO. Noted

ITEM NUMBER	DESCRIPTION	PART NO.	WEIGHT	X ARM	Y ARM	Z ARM	COMPONENT: BASIC WEIGHT	COMPONENT: AS WEIGHED	COMPONENT: REMOTE SITE SHIPMENT	COMPONENT: AS RECEIVED REMOTE SITE	MISSILE: AS WEIGHED REMOTE SITE	MISSILE: LAUNCH
4a	Deflector Assy.	25-36379-1	1>				x					
4b	Deflector Instl. 2>	25-25881-1	.10	130.30	100.00	100.00	x					
4c	Support Comp-Elec Cable	25-27523-8	2.32	77.33	109.50	116.22	x					
4d	Instl-Elec Cable Support	25-27524-6	.22	54.05	97.66	107.62	x					
4e	Conduit Support Set	25-36381-1	7.57	80.83	110.35	118.06	x					
4f	Instl-Raceway Comp.	25-36046-3	.49	73.49	109.20	116.00	x					
4g	MS 5-62 Instl. at Plant 77		1.00	97.13	108.39	114.69	x					

1> Use actual data for each deflector.

2-5500-0-21

BOEING NO. D2-13946-10 PAGE 54

CHECK LIST NO.	4.3	MISSILE WEIGHING CHECK LIST	RECORD OF CHANGING (DATE)
DATE	MODEL WS-133A	FINAL ASSEMBLY DRAWING NO. 21-50150-12	Mo / Day / Yr

SECTION 45 — MISSILE NO. Wing II

MISSILE COMPONENT 2-3 Interstage — COMPONENT PART NO. Noted

ITEM NUMBER	DESCRIPTION	PART NO.	WEIGHT	X ARM	Y ARM	Z ARM	BASIC WEIGHT	AS DESIGNED	COMPONENT AS RECEIVED	AS WEIGHED REMOTE SITE	MISSILE AS WEIGHED REMOTE SITE	LAUNCH
5a	Body Section	25-36103-1	1 >				x					
5b	Interstage Instl.	25-36812-1	3.19	66.93	100.17	100.30	x					
5c	Conduit Support Set	25-36381-1	2.37	69.22	110.47	118.15	x					
5d	Instl-Fwd R/W Cap	25-36046-3	.02	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	25-35281-2	.16	78.30	97.10	115.60	x					
5g	Support Comp-Elec Cable	25-27523-8	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.	25-27232-3	6.13	62.85	111.02	111.04	x					
5k	Disc. Bracket Instl. 2 >	25-27227-6	.22	64.19	111.24	111.37	x					
5l	Ord. Assy. Sep & Skirt Removal	25-26856-1	4.56	69.04	93.11	97.55	x					
5m	Ord. Instl-Joint Sev. 2 >	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	ESE 5-62 Inst. at Plant 77		3.41	62.87	101.85	106.15	x					

1 > Use actual data for each body section.

[illegible] at Air F[illegible] Plant 77. (See item 5n)

2-5550-0-21

BOEING | NO. D6-13946-10 >

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CHECK LIST NO. 4.4 MISSILE WEIGHING CHECK LIST

DATE

MODEL WS-133A FINAL ASSEMBLY DRAWING NO. 21-50150-12

RECORD OF CHECKING (DATE)

Mo								
Day								
Yr								

SECTION 46 MISSILE NO. Wing II

MISSILE COMPONENT 2nd Stage Engine COMPONENT PART NO. Noted

ITEM NUMBER	DESCRIPTION	PART NO.	WEIGHT	X ARM	Y ARM	Z ARM	COMPONENT: BASIC WEIGHT	COMPONENT: AS WEIGHED	COMPONENT:	MISSILE: REMOTE SITE SHIPMENT	MISSILE: AS RECEIVED REMOTE SITE	MISSILE: AS WEIGHED REMOTE SITE	MISSILE: LAUNCH
6a	Deflector Assy.	25-36378-1	1 ▷				x						
6b	Deflector Instl. ▷	25-25880-1	.11	182.60	100.00	100.00	x						
6c	Support Comp-Elec Cable	25-27523-8	.81	23.55	111.20	119.51	x						
6d	Instl-Elec Cable Support	25-27524-6	.15	41.17	101.23	105.25	x						
6e	Conduit Support Set	25-36381-1	13.48	104.61	111.72	120.36	x						
6f	Instl. R/W Comp.	25-36046-2	.53	100.88	111.20	119.40	x						
6g	RMS 5-62 Instl. at Plant 77		2.22	123.42	108.79	115.34	x						

1 ▷ Use actual data for each deflector.

2-5550-0-21

BOEING NO. D2-13946-10

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CHECK LIST NO. 4.5 MISSILE WEIGHING CHECK LIST

DATE

MODEL WS-133A FINAL ASSEMBLY DRAWING NO. 21-50150-12

RECORD OF CHECKING (DATE)

Mo																			
Day																			
Yr																			

SECTION 47 MISSILE NO. Wing II

MISSILE COMPONENT 1-2 Interstage COMPONENT PART NO. Noted

ITEM NUMBER	DESCRIPTION	PART NO.	WEIGHT	X ARM	Y ARM	Z ARM	COMPONENT: BASIC WEIGHT	COMPONENT: AS WEIGHED	COMPONENT: REMOTE SITE SHIPMENT	COMPONENT: AS RECEIVED REMOTE SITE	MISSILE: AS WEIGHED REMOTE SITE	MISSILE: LAUNCH
7a	Body Section	25-36101-1	1>				x					
7b	Interstage Instl.	25-36478-2	2.55	78.96	92.88	100.32	x					
7c	Conduit Support Set	25-36381-1	2.38	88.87	115.59	127.08	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	25-27523-8	2.36	58.58	111.43	116.80	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	10.11	66.87	114.13	114.13	x					
7j	Disc. Bracket Instl 2>	25-27221-1	.23	70.65	120.19	120.19	x					
7k	Ord. Assy-Sep. & Skirt Removal	25-26855-1	6.04	72.72	91.33	103.80	x					
7l	Ord. Instl-Joint Sev. 2>	25-27238-1	.14	84.75	83.70	91.00	x					
7m	S&A Device	10-20436-5	2.84	89.40	92.00	73.00	x					
7n	EES 5-62 Instl. at Plant 77		3.35	72.86	104.65	111.33	x					

1> Use actual data for each body section.

2-5550-0-21

BOEING NO. D2-13246-10

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2-5530-0-21

CHECK LIST NO. 4.6 MISSILE WEIGHING CHECK LIST

DATE

MODEL WS-133A FINAL ASSEMBLY DRAWING NO. 21-50150-12

SECTION 48 MISSILE NO. Wing II

MISSILE COMPONENT 1st Stage Engine COMPONENT PART NO. Noted

RECORD OF CHECKING (CK'd)												
No												
Day												
Yr												
	COMPONENT										MISSILE	
	BASIC WEIGHT	AS WEIGHED		REMOTE SITE SHIPMENT	AS MODIFIED REMOTE SITE		AS MODIFIED LAUNCH SITE		LAUNCH			

ITEM NUMBER	DESCRIPTION	PART NO.	WEIGHT	X ARM	Y ARM	Z ARM	BASIC WEIGHT	AS WEIGHED		REMOTE SITE SHIPMENT	AS MODIFIED REMOTE SITE		AS MODIFIED LAUNCH SITE		LAUNCH	
8a	Deflector Assy.	25-36377-1	1>				x									
8b	Deflector Instl. 2>	25-25879-1	.13	309.50	100.00	100.00	x									
8c	Conduit Supports	25-36381-1	30.01	162.34	117.45	129.80	x									
8d	Instl. Raceway Comp.	25-36046-1	1.14	161.30	116.20	119.50	x									
8e	Insul. Comp-Fasteners & Joints	25-37125-17	.79	156.59	116.50	129.00	x									
8f	Support Comp. Elec. Cable	25-27523-8	.61	51.70	116.70	129.40	x									
8g	Instl-Elec Cable	25-27524-6	.05	35.10	106.49	103.00	x									
8h	MS 5-62 Instl. at Plant 77		2.72	202.78	111.80	120.22	x									

1> Use actual data for each deflector

BOEING NO. D2-13946-10

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2-5550-0-21

CHECK LIST NO. 4.7 MISSILE-WEIGHING CHECK LIST

DATE

MODEL WS-133A FINAL ASSEMBLY DRAWING NO. 21-50150-12

RECORD OF CHECKING (DATE)								
Mo								
Day								
Yr								

SECTION 49 MISSILE NO. Wing II

MISSILE COMPONENT Skirt COMPONENT PART NO. Noted

ITEM NUMBER	DESCRIPTION	PART NO.	WEIGHT	X ARM	Y ARM	Z ARM	COMPONENT: BASIC WEIGHT	COMPONENT: AS WEIGHED	COMPONENT:	COMPONENT: REMOTE SITE SHIPMENT	COMPONENT: AS RECEIVED REMOTE SITE	MISSILE: AS WEIGHED REMOTE SITE	MISSILE: LAUNCH
9a	Skirt Assy-Insul.	25-36080-1	1/				x						
9b	Instl-Skirt Sect. 2/	25-36079-2	1.61	49.59	100.54	100.86	x						
9c	Conduit Support Set	25-36381-1	2.48	57.26	117.80	129.80	x						
9d	Instl. Raceway Cap	25-36046-1	.15	59.30	116.50	128.50	x						
9e	Support Comp-Elec Cable	25-27523-8	1.79	59.56	114.59	123.03	x						
9f	Instl. Elec. Cable Support	25-27524-6	.37	60.10	127.98	120.16	x						
9g	WS 5-62 Instl. at Plant 77		2.93	64.75	106.82	108.97	x						

1/ Use actual data for each skirt.

BOEING NO. D2-13946-10 PAGE 59

5.0 ENGINEERING CHANGE PROPOSAL (ECP) INCORPORATION APPLICABLE TO WING II MISSILES 905-944

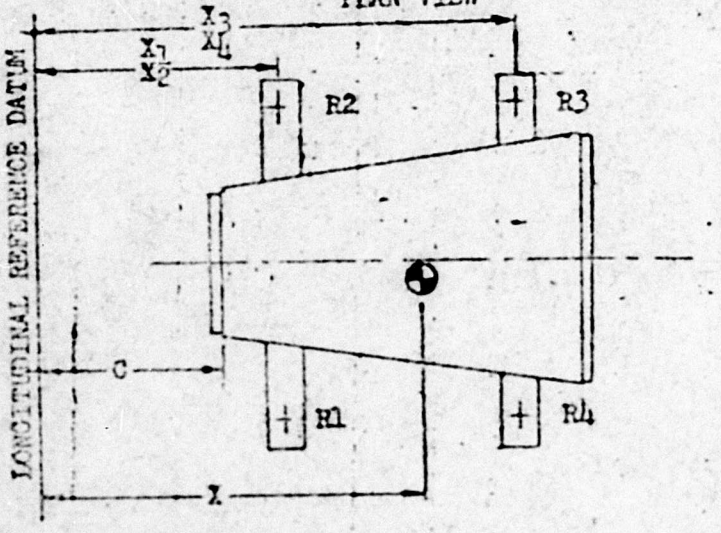
The following ECP's have not been incorporated into "Model Specification, Guided Missile Main Assemblage (S-133-1000-0-1)" dated 15 March 1963. However, the mass properties of these ECP's have been incorporated into this report unless otherwise noted. ECP's applicable to the CTLI components will be found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

ECP NO. (WS-133A-BO-)	ECP TITLE	STAGE	WEIGHT CHANGE	WEIGHT CHANGE INCORPORATED IN THIS REPORT
620	Installation of Static Dissipators on Operational Missiles	1,2,3	-	Yes

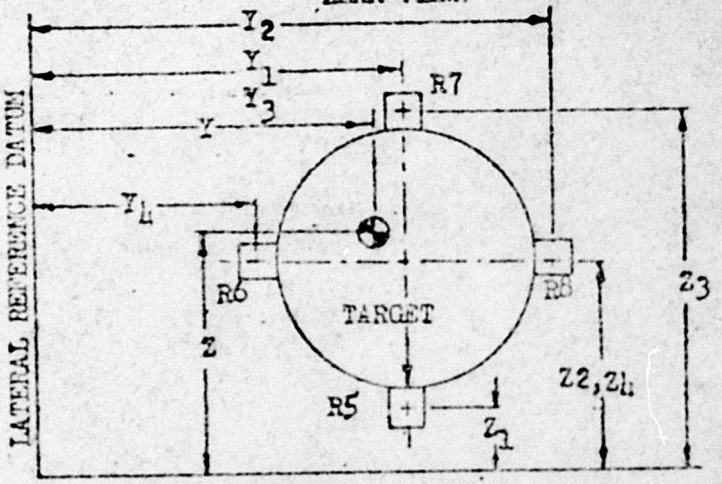
SERIAL NUMBER: 0000353 — 6.1.1 ACTUAL WEIGHT RECORD - INTERSTAGE 2-3 — WING: II

U/O MISSILE 911	DRAWING NO. 25-36103-1	CHECK LIST NO. 7	REPORT NO. OPR-2225
MISSILE MODEL WS-133	DCN A	REPORTED BY RS/RH/WB	PAGE NO.
CONFIGURATION TAH	ADCN S-20	CHECKED BY BW	DATE 9/11/63

PLAN VIEW



REAR VIEW



VERTICAL REFERENCE DATUM

WEIGHING DATA										DIMENSIONAL DATA					
REACTION	GR. WT.	TARE	CORR.	NET WT.	REACTION	GR. WT.	TARE	CORR.	NET WT.	DIM.	INCHES	DIM.	INCHES	DIM.	INCHES
R1	134.65	96.00		38.65	R5	81.35	31.00		50.35	X1	47.343	Y1	100.000	Z1	72.500
R2	82.80	40.10		42.70	R6	60.80	33.55		27.25	X2	47.351	Y2	127.498	Z2	100.000
R3	129.85	95.90		34.05	R7	86.90	31.00		55.90	X3	88.351	Y3	100.000	Z3	127.498
R4	80.90	39.40		41.50	R8	54.25	30.85		23.40	X4	88.351	Y4	72.501	Z4	100.000
TOTAL	428.30	271.40		156.90	TOTAL	283.30	126.40		156.90	C	50.000				

LONGITUDINAL C.G.				LATERAL C.G.				VERTICAL C.G.			
REACTION	NET WT.	ARM	MOMENT	REACTION	NET WT.	ARM	MOMENT	REACTION	NET WT.	ARM	MOMENT
R1	38.65	47.343		R5	50.35	100.000		R5	50.35	72.500	
R2	42.70	47.351		R6	27.25	72.501		R6	27.25	100.000	
R3	34.05	88.351		R7	55.90	100.000		R7	55.90	127.498	
R4	41.50	88.351		R8	23.40	127.498		R8	23.40	100.000	
AS WGD	156.90	67.09	10,526.7	AS WGD	156.90	99.33	15,584.1	AS WGD	156.90	100.97	15,842.5

SERIAL NUMBER: 0000353

CHECK LIST NO. —

DATE 7-11-63

6.1.1 MISSILE WEIGHING CHECK LIST

MODEL WS-133 FINAL ASSEMBLY DRAWING NO. 21-50150

RECORD OF CHECKING (DATE)							
Mo		9					
Day		11					
Yr		63					

SECTION 45 MISSILE NO. 911

MISSILE COMPONENT BODY SECTION-GUIDED MISSILE COMPONENT PART NO. Noted

ITEM NUMBER	DESCRIPTION	PART NO.	WEIGHT	X ARM	Y ARM	Z ARM	COMPONENT: BASIC WEIGHT	COMPONENT: AS WEIGHED	COMPONENT: [blank]	COMPONENT: REMOTE SITE SHIPMENT	COMPONENT: AS RECEIVED REMOTE SITE	MISSILE: AS WEIGHED REMOTE SITE	MISSILE: LAUNCH
	Body Section Assembly	25-36103-1					-	-					
	Interstage Assembly - Structural	25-36102-1					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					
	Door - Access, Ordnance (3)	29-22673-2					x	x					
	Closure Panel-Access, Booster Skirt	29-22081-3					x	x					
	Door - Access, Ignitor Stage II	29-22361-4					x	x					
	Closure Panel - Access, Ordnance	29-22672-2					x	x					
	Door - Access, Detonator	26-11878-1					x	x					
	Door - Access, Ignitor Stage III	26-11885-4					x	x					
	Door - Access, CTU	26-12009-1					x	x					
	Plug - Screw, Insulated (2)	26-12247-2					x	x					
	Bolt - 100° Head (5)	BAC B30EM-3-3					x	x					
	Bolt - 100° Head (6)	BAC B30EM-3-4					x	x					
	Bolt - 100° Head (2)	BAC B30EM-4-6					x	x					
	Bolt - 100° Head (7)	BAC B30EM-4-7					x	x					
	Bolt - 100° Head (41)	BAC B30EM-4-10					x	x					
	Bolt - 100° Head (5)	BAC B30EM-5-3					x	x					
	Bolt - 100° Head (12)	BAC B30EM-5-4					x	x					
	Bolt - 100° Head (2)	BAC B30EM-4-13					x	x					
	Insulation - Installed in Seattle	BMS 5-62					x	x					
	Flange Cover (185° - 195°)	25-36103-6					x	x					
	Splice Cover (5° - 10°)	25-36103-18					x	x					
	Sleeve - Damping, Ordnance	26-12123-1					x	x					
	Sleeve - Damping, Ordnance	26-12123-2					x	x					
	Cushion - Vibration	29-25867-1					x	x					

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BOEING

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SERIAL NUMBER: 000353

CHECK LIST NO.	6.1.1 MISSILE WEIGHING CHECK LIST	RECORD OF CHECKING (DATE)						
		Mo		9				
DATE 9-11-63	MODEL WS-133 FINAL ASSEMBLY DRAWING NO. 21-50150	Day		11				
		Yr		63				

SECTION 45 MISSILE NO. 911

MISSILE COMPONENT BODY SECTION GUIDED MISSILE COMPONENT PART NO. Noted

ITEM NUMBER	DESCRIPTION	PART NO.	WEIGHT	X ARM	Y ARM	Z ARM	COMPONENT: BASIC WEIGHT	COMPONENT: AS OBTAINED	COMPONENT: REMOTE SITE EQUIPMENT	COMPONENT: AS REMOVED FROM REMOTE SITE	MISSILE: AS INSTALLED AT REMOTE SITE	MISSILE: LAUNCH
	Body Section Assembly (Continued)	25-36103-1					-	-				
	Insulation	BMS 5-62					X	O				

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BOEING

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6.1.1

WEIGHT AND BALANCE CHANGE RECORD

ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AF04(694)-046	REPORT NO.	OPR-2225
COMPONENT	INTERSTAGE 2-3	LOT NO.		DATE	9/11/63
MODEL NO.	WS-133	DRAWING NO.	25-36103-1	PREPARED	JIM HILL
SERIAL NO.	0000353	U.O. MISSILE	911	APPROVED	G. OGARD

LINE	EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
			WEIGHT	X AXIS		Y AXIS		Z AXIS	
	PART NO.	DESCRIPTION OF EQUIPMENT		ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1									
2	25-36103-1	Body Section (As Weighed)	156.90	67.09	10,526.7	99.33	15,584.1	100.97	15,842.5
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36103-1	Body Section (Complete)	156.90	67.09	10,526.7	99.33	15,584.1	100.97	15,842.5
12									
13									
14									
15									
16									
17									
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BOEING NO. D2-13946-10

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6.1.2 WEIGHT AND BALANCE CHANGE RECORD

ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AF04(694)-046	REPORT NO.	OPR-2226
COMPONENT	INTERSTAGE 2-3	LOT NO.		DATE	9/17/63
MODEL NO.	WS-133	DRAWING NO.	25-36103-1	PREPARED	JIM HILL
SERIAL NO.	0000354	U.O. MISSILE	921	APPROVED	G. OGARD

LINE	EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
			WEIGHT	X AXIS		Y AXIS		Z AXIS	
	PART NO.	DESCRIPTION OF EQUIPMENT		ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1									
2	25-36103-1	Body Section (As Weighed)	156.25	67.19	10,498.0	99.24	15,505.3	101.02	15,784.5
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36103-1	Body Section (Complete)	156.25	67.19	10,498.0	99.24	15,505.3	101.02	15,784.5
12									
13									
14									
15									
16									
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6.1.3 WEIGHT AND BALANCE CHANGE RECORD

ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AF04(694)-046	REPORT NO.	OPR-2227
COMPONENT	INTERSTAGE 2-3	LOT NO.		DATE	9/30/63
MODEL NO.	WS-133	DRAWING NO.	25-36103-1	PREPARED	JIM HILL
SERIAL NO.	0000355	U.O. MISSILE	935	APPROVED	G. OGARD

LINE	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)	157.00	66.97	10,515.1	99.40	15,606.5	101.05	15,864.9
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36103-1	Body Section (Complete)	157.00	66.97	10,515.1	99.40	15,606.5	101.05	15,864.9
12									
13									
14									
15									
16									
17									
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6.1.4 WEIGHT AND BALANCE CHANGE RECORD

ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AF04(694)-046	REPORT NO.	OPR-2300
COMPONENT	INTERSTAGE 2-3	LOT NO.		DATE	9/6/63
MODEL NO.	WS-133	DRAWING NO.	25-36103-1	PREPARED	JIM HILL
SERIAL NO.	0000409	U.O. MISSILE	905	APPROVED	G. OGARD

LINE	EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
			WEIGHT	X AXIS		Y AXIS		Z AXIS	
	PART NO.	DESCRIPTION OF EQUIPMENT		ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1									
2	25-36103-1	Body Section (As Weighed)	157.15	67.16	10,555.0	99.29	15,603.6	100.91	15,857.9
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36103-1	Body Section (Complete)	157.15	67.16	10.555.0	99.29	15,603.6	100.91	15,857.9
12									
13									
14									
15									
16									
17									
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6.1.5

WEIGHT AND BALANCE CHANGE RECORD

ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AF04(694)-046	REPORT NO.	OPR-2303
COMPONENT	INTERSTAGE 2-3	LOT NO.		DATE	9/11/63
MODEL NO.	WS-133	DRAWING NO.	25-36103-1	PREPARED	JIM HILL
SERIAL NO.	0000410	U.O. MISSILE	908	APPROVED	G. OGARD

LINE	EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
			WEIGHT	X AXIS		Y AXIS		Z AXIS	
	PART NO.	DESCRIPTION OF EQUIPMENT		ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1									
2	25-36103-1	Body Section (As Weighed)	157.15	67.09	10,542.6	99.33	15,609.1	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	67.09	10,542.6	99.33	15,609.1	100.94	15,863.4
12									
13									
14									
15									
16									
17									
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6.1.6 WEIGHT AND BALANCE CHANGE RECORD

ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AF04(694)-046	REPORT NO.	PR-2301
COMPONENT	INTERSTAGE 2-3	LOT NO.		DATE	9/6/63
MODEL NO.	MS-133	DRAWING NO.	25-36103-1	PREPARED	JIM HILL
SERIAL NO.	0000415	U.S. MISSILE	906	APPROVED	G. OGARD

LINE	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)	157.65	67.31	10,611.5	99.32	15,657.7	101.00	15,923.0
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36103-1	Body Section (Complete)	157.65	67.31	10,611.5	99.32	15,657.7	101.00	15,923.0
12									
13									
14									
15									
16									
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6.1.7 WEIGHT AND BALANCE CHANGE RECORD

ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AF04(694)-046	REPORT NO.	OPR-2304
COMPONENT	INTERSTAGE 2-3	LOT NO.		DATE	9/6/63
MODEL NO.	WS-133	DRAWING NO.	25-36103-1	PREPARED	JIM HILL
SERIAL NO.	0000416	U.O. MISSILE	902	APPROVED	G. OGARD

LINE	EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
			WEIGHT	X AXIS		Y AXIS		Z AXIS	
	PART NO.	DESCRIPTION OF EQUIPMENT		ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1									
2	25-36103-1	Body Section (As Weighed)	156.75	67.36	10,558.6	99.35	15,573.2	100.92	15,819.3
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36103-1	Body Section (Complete)	156.75	67.36	10,558.6	99.35	15,573.2	100.92	15,819.3
12									
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15									
16									
17									
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6.1.8

WEIGHT AND BALANCE CHANGE RECORD

ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AF04(694)-046	REPORT NO.	OPR-2207
COMPONENT	INTERSTAGE 2-3	LOT NO.		DATE	9/16/63
MODEL NO.	WS-133	DRAWING NO.	25-36103-1	PREPARED	JIM HILL
SERIAL NO.	00004-17	U.O. MISSILE	913	APPROVED	G. OGARD

LINE	EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
			WEIGHT	X AXIS		Y AXIS		Z AXIS	
	PART NO.	DESCRIPTION OF EQUIPMENT		ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1									
2	25-36103-1	Body Section (As Weighed)	156.35	67.21	10,508.2	99.33	15,530.5	101.06	15,801.3
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36103-1	Body Section (Complete)	156.35	67.21	10,508.2	99.33	15,530.5	101.06	15,801.3
12									
13									
14									
15									
16									
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6.1.9

WEIGHT AND BALANCE CHANGE RECORD

ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AF04(694)-848	REPORT NO.	OPR-2310
COMPONENT	INTERSTAGE 2-3	LOT NO.		DATE	
MODEL NO.	WS-13	DRAWING NO.	25-36103-1	PREPARED	2/16/63
SERIAL NO.	0000418	U.O. MISSILE	916	APPROVED	G. OGARD

LINE	EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
			WEIGHT	X AXIS		Y AXIS		Z AXIS	
	PART NO.	DESCRIPTION OF EQUIPMENT		ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1									
2	25-36103-1	Body Section (As Weighed)	156.20	67.25	10,503.8	99.22	15,497.6	101.03	15,780.8
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	99.22	15,497.6	101.03	15,780.8
12									
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15									
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6.1.10 WEIGHT AND BALANCE CHANGE RECORD

ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AF04(694)-047	REPORT NO.	OPR-2313
COMPONENT	INTERSTAGE 2-3	LOT NO.		DATE	9/16/63
MODEL NO.	WS-133	DRAWING NO..	25-36103-1	PREPARED	JIM HILL
SERIAL NO.	0000#19	U.O. MISSILE	919	APPROVED	G. OGARD

LINE	EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
				X AXIS		Y AXIS		Z AXIS	
	PART NO.	DESCRIPTION OF EQUIPMENT	WEIGHT	ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1									
2	25-36103-1	Body Section (As Weighed)	157.35	67.22	10,576.7	99.28	15,622.2	100.95	15,884.8
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36103-1	Body Section (Complete)	157.35	67.22	10,576.7	99.28	15,622.2	100.95	15,884.8
12									
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15									
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BOEING NO D2-13946-10

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6.1.11 WEIGHT AND BALANCE CHANGE RECORD

ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AF04(694)-946	REPORT NO.	OPR-2316
COMPONENT	INTERSTAGE 2-3	LOT NO.		DATE	9/19/63
MODEL NO.	WS-133	DRAWING NO.	25-36103-1	PREPARED	JIM HILL
SERIAL NO.	0000420	U.S. MISSILE	923	APPROVED	G. OGARD

LINE	EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
			WEIGHT	X AXIS		Y AXIS		Z AXIS	
	PART NO.	DESCRIPTION OF EQUIPMENT		ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1									
2	25-36101-1	Body Section (As Weighed)	157.20	67.22	10,567.6	99.38	15,622.3	101.01	15,878.1
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36103-1	Body Section (Complete)	157.20	67.22	10,567.6	99.38	15,622.3	101.01	15,878.1
12									
13									
14									
15									
16									
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6.1.12 WEIGHT AND BALANCE CHANGE RECORD

ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AF04(694)-946	REPORT NO.	OPR-2302
COMPONENT	INTERSTAGE 2-3	LOT NO.		DATE	2/18/63
MODEL NO.	WS-13[illegible]	DRAWING NO.	25-36103-1	PREPARED	JIM HILL
SERIAL NO.	0000425	U.O. MISSILE	607	APPROVED	G. OGARD

LINE	EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
			WEIGHT	X AXIS		Y AXIS		Z AXIS	
	PART NO.	DESCRIPTION OF EQUIPMENT		ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1									
2	25-36103-1	Body Section (As Weighed)	156.90	67.46	10,584.1	99.40	15,596.5	101.00	15,846.6
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36103-1	Body Section (Complete)	156.90	67.46	10,584.1	99.40	15,596.5	101.00	15,846.6
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.	OPR-2305
COMPONENT	INTERSTAGE 2-	LOT NO.		DATE	9/10/63
MODEL NO.	WS-133	DRAWING NO.	2[illegible]-36103-1	PREPARED	JIM HILL
SERIAL NO.	0000426	U.S. MISSILE	210	APPROVED	G. OGARD

LINE	EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
			WEIGHT	X AXIS		Y AXIS		Z AXIS	
	PART NO.	DESCRIPTION OF EQUIPMENT		ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1									
2	25-36103-1	Body Section (As Weighed)	157.10	67.37	10,583.4	99.27	15,595.9	101.01	15,868.0
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36103-1	Body Section (Complete)	157.10	67.37	10,583.4	99.27	15,595.9	101.01	15,868.0
12									
13									
14									
15									
16									
17									
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6.1.14 WEIGHT AND BALANCE CHANGE RECORD

ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AF04(694)-046	REPORT NO.	OPR-2308
COMPONENT	INTERSTAGE 2-3	LOT NO.		DATE	3/13/63
MODEL NO.	WS-133	DRAWING NO.	25-36103-1	PREPARED	JIM HILL
SERIAL NO.	0000+27	U.S. MISSILE	914	APPROVED	C. OGARD

LINE	EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
			WEIGHT	X AXIS		Y AXIS		Z AXIS	
	PART NO.	DESCRIPTION OF EQUIPMENT		ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1									
2	25-36103-1	Body Section (As Weighed)	157.20	67.18	10,561.4	99.28	15,607.2	101.09	15,884.9
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36103-1	Body Section (Complete)	157.20	67.18	10,561.4	99.28	15,607.2	101.09	15,884.9
12									
13									
14									
15									
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6.1.15 WEIGHT AND BALANCE CHANGE RECORD

ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AF04(694)-046	REPORT NO.	QPR-2511
COMPONENT	INTERSTAGE 2-3	LOT NO.		DATE	9/15/65
MODEL NO.	WS-133	DRAWING NO.	25-36103-1	PREPARED	JIM HILL
SERIAL NO.	0009426	U.S. MISSILE	91T	APPROVED	G. OGARD

LINE	EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
			WEIGHT	X AXIS		Y AXIS		Z AXIS	
	PART NO.	DESCRIPTION OF EQUIPMENT		ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1									
2	25-36103-1	Body Section (As Weighed)	156.80	67.22	10,540.3	99.28	15,567.2	101.02	15,839.4
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36103-1	Body Section (Complete)	156.80	67.22	10,540.3	99.28	15,567.2	101.02	15,839.4
12									
13									
14									
15									
16									
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6.1.16 WEIGHT AND BALANCE CHANGE RECORD

ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AF04(694)-046	REPORT NO.	QPR-2314
COMPONENT	INTERSTAGE 2-3	LOT NO.		DATE	9/16/63
MODEL NO.	WS-133	DRAWING NO.	25-36103-1	PREPARED	JIM HILL
SERIAL NO.	0000429	U.C. MISSILE	920	APPROVED	G. OGARD

LINE	EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
			WEIGHT	X AXIS		Y AXIS		Z AXIS	
	PART NO.	DESCRIPTION OF EQUIPMENT		ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1									
2	25-36103-1	Body Section (As Weighed)	156.95	67.27	10,557.7	99.22	15,572.6	101.07	15,862.7
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36103-1	Body Section (Complete)	156.95	67.27	10,557.7	99.22	15,572.6	101.07	15,862.7
12									
13									
14									
15									
16									
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6.1.17 WEIGHT AND BALANCE CHANGE RECORD

ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AF04(694)-046	REPORT NO.	QPR-2317
COMPONENT	INTERSTAGE 2-3	LOT NO.		DATE	9/17/63
MODEL NO.	WS-133	DRAWING NO.	25-36103-1	PREPARED	JIM HILL
SERIAL NO.	0000430	U.S. MISSILE	924	APPROVED	G. OGARD

LINE	EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
			WEIGHT	X AXIS		Y AXIS		Z AXIS	
	PART NO.	DESCRIPTION OF EQUIPMENT		ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1									
2	25-36103-1	Body Section (As Weighed)	156.40	67.33	10,529.7	99.25	15,523.1	101.01	15,798.0
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36103-1	Body Section (Complete)	156.40	67.33	10,529.7	99.25	15,523.1	101.01	15,798.0
12									
13									
14									
15									
16									
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6 1.18 WEIGHT AND BALANCE CHANGE RECORD

ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AF04(694)-046	REPORT NO.	OPR-2306
COMPONENT	INTERSTAGE 2-3	LOT NO.		DATE	9/13/63
MODEL NO.	WS-133	DRAWING NO.	25-36103-1	PREPARED	JIM HILL
SERIAL NO..	0000431	U.O. MISSILE	912	APPROVED	G. OGARD

LINE	EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
			WEIGHT	X AXIS		Y AXIS		Z AXIS	
	PART NO.	DESCRIPTION OF EQUIPMENT		ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1									
2	25-36103-1	Body Section (As Weighed)	156.95	67.31	10,563.9	99.25	15,576.7	101.01	15,853.0
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36103-1	Body Section (Complete)	156.95	67.31	10,563.9	99.25	15,576.7	101.01	15,853.0
12									
13									
14									
15									
16									
17									
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6.1.19 WEIGHT AND BALANCE CHANGE RECORD

ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AF04(694)-046	REPORT NO.	OPR-2309
COMPONENT	INTERSTAGE 2-3	LOT NO.		DATE	9/16/63
MODEL NO.	WS-133	DRAWING NO.	25-36103-1	PREPARED	JIM HILL
SERIAL NO.	0000432	U.O. MISSILE	915	APPROVED	G. OGARD

LINE	EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
			WEIGHT	X AXIS		Y AXIS		Z AXIS	
	PART NO.	DESCRIPTION OF EQUIPMENT		ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1									
2	25-36103-1	Body Section (As Weighed)	156.85	67.28	10,553.0	99.28	15,572.2	100.99	15,840.3
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36103-1	Body Section (Complete)	156.85	67.28	10,553.0	99.28	15,572.2	100.99	15,840.3
12									
13									
14									
15									
16									
17									
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6.1.20 WEIGHT AND BALANCE CHANGE RECORD

ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AF04(694)-046	REPORT NO.	FR-2312
COMPONENT	INTERSTAGE 2-3	LOT NO.		DATE	9/17/61
MODEL NO.	WS-133	DRAWING NO.	25-36103-1	PREPARED	J. HILL
SERIAL NO.	0000433	U.O. MISSILE	918	APPROVED	G. OGARD

LINE	EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
			WEIGHT	X AXIS		Y AXIS		Z AXIS	
	PART NO.	DESCRIPTION OF EQUIPMENT		ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1									
2	25-36103-1	Body Section (As Weighed)	156.75	67.18	10,529.9	99.26	15,559.5	100.99	15,830.3
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36103-1	Body Section (Complete)	156.75	67.18	10,529.9	99.26	15,559.5	100.99	15,830.3
12									
13									
14									
15									
16									
17									
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6.1.21 WEIGHT AND BALANCE CHANGE RECORD

ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AF04(694)-046	REPORT NO.	OPR-2315
COMPONENT	INTERSTAGE 2-3	LOT NO.		DATE	9/19/63
MODEL NO.	WS-1[illegible]	DRAWING NO.	25-36103-1	PREPARED	JIM HILL
SERIAL NO.	0000434	U.O. MISSILE	222	APPROVED	G. OGARD

LINE	EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
			WEIGHT	X AXIS		Y AXIS		Z AXIS	
	PART NO.	DESCRIPTION OF EQUIPMENT		ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1									
2	25-36103-1	Body Section (As Weighed)	156.60	67.18	10,520.8	99.29	15,548.6	100.99	15,815.3
3									
4			0						
5		ADD:							
6									
7			0						
8		DEDUCT:							
9									
10									
11	25-36103-1	Body Section (Complete)	156.60	67.18	10,520.8	99.29	15,548.6	100.99	15,815.3
12									
13									
14									
15									
16									
17									
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6.1.22 WEIGHT AND BALANCE CHANGE RECORD

ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AF04(694)-046	REPORT NO.	OPR-2318
COMPONENT	INTERSTAGE 2-3	LOT NO.		DATE	9/24/63
MODEL NO.	WS-133	DRAWING NO.	25-36103-1	PREPARED	JIM HILL
SERIAL NO.	0000435	U.O. MISSILE	925	APPROVED	G. OGARD

LINE	EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
			WEIGHT	X AXIS		Y AXIS		Z AXIS	
	PART NO.	DESCRIPTION OF EQUIPMENT		ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1									
2	25-36103-1	Body Section (As Weighed)	156.95	67.35	10,570.1	99.36	15,594.6	101.03	15,857.2
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36103-1	Body Section (Complete)	156.95	67.35	10,570.1	99.36	15,594.6	101.03	15,857.2
12									
13									
14									
15									
16									
17									
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6.1.23 WEIGHT AND BALANCE CHANGE RECORD

ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AF04(694)-046	REPORT NO.	OPR-2319
COMPONENT	INTERSTAGE 2-3	LOT NO.		DATE	9/19/63
MODEL NO.	WS-133	DRAWING NO.	25-36103-1	PREPARED	JIM HILL
SERIAL NO.	0000436	U.O. MISSILE	926	APPROVED	G. OGARD

LINE	EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
			WEIGHT	X AXIS		Y AXIS		Z AXIS	
	PART NO.	DESCRIPTION OF EQUIPMENT		ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1									
2	25-36103-1	Body Section (As Weighed)	157.40	67.25	10,585.3	99.35	15,638.2	101.07	15,907.7
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36103-1	Body Section (Complete)	157.40	67.25	10,585.3	99.35	15,638.2	101.07	15,907.7
12									
13									
14									
15									
16									
17									
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WEIGHT AND BALANCE CHANGE RECORD

ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AF04(694)-046	REPORT NO.	OPR-2325
COMPONENT	INTERSTAGE 2-3	LOT NO.		DATE	9/26/63
MODEL NO.	WS-133	DRAWING NO.	25-36103-1	PREPARED	JIM HILL
SERIAL NO.	0000437	U.O. MISSILE	932	APPROVED	G. OGARD

LINE	EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
			WEIGHT	X AXIS		Y AXIS		Z AXIS	
	PART NO.	DESCRIPTION OF EQUIPMENT		ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1									
2	25-36103-1	Body Section (As Weighed)	156.45	67.04	10,489.0	99.37	15,546.0	100.97	15,797.5
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36103-1	Body Section (Complete)	156.45	67.04	10,489.0	99.37	15,546.0	100.97	15,797.5
12									
13									
14									
15									
16									
17									
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6.1.25 WEIGHT AND BALANCE CHANGE RECORD

ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AF04(694)-046	REPORT NO.	OPR-2328
COMPONENT	INTERSTAGE 2-3	LOT NO.		DATE	9/27/63
MODEL NO.	WS-133	DRAWING NO.	25-36103-1	PREPARED	JIM HILL
SERIAL NO.	0000438	U.S. MISSILE	936	APPROVED	G. OGARD

LINE	EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE							
			WEIGHT	X AXIS		Y AXIS		Z AXIS		
	PART NO.	DESCRIPTION OF EQUIPMENT		ARM	MOMENT	ARM	MOMENT	ARM	MOMENT	
1										
2	25-36103-1	Body Section (As Weighed)	157.15	67.11	10,546.8	99.35	15,613.2	100.94	15,862.0	
3										
4										
5		ADD:	0							
6										
7										
8		DEDUCT:	0							
9										
10										
11	25-36103-1	Body Section (Complete)	157.15	67.11	10,546.8	99.35	15,613.2	100.94	15,862.0	
12										
13										
14										
15										
16										
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6.1.26 WEIGHT AND BALANCE CHANGE RECORD

ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AF04(694)-046	REPORT NO.	OPR-2329
COMPONENT	INTERSTAGE 2-3	LOT NO.		DATE	9/30/63
MODEL NO.	WS-133	DRAWING NO.	25-36103-1	PREPARED	JIM BELL
SERIAL NO.	0000439	U.C. MISSILE	937	APPROVED	G. OGARD

LINE	EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
			WEIGHT	X AXIS		Y AXIS		Z AXIS	
	PART NO.	DESCRIPTION OF EQUIPMENT		ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1									
2	25-36103-1	Body Section (As Weighed)	157.30	67.38	10,599.0	99.39	15,633.7	101.07	15,897.7
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36103-1	Body Section (Complete)	157.30	67.38	10,599.0	99.39	15,633.7	101.07	15,897.7
12									
13									
14									
15									
16									
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WEIGHT AND BALANCE CHANGE RECORD

ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AF04(694)-046	REPORT NO.	QPR-2334
COMPONENT	INTERSTAGE 2-3	LOT NO.		DATE	10/2/63
MODEL NO.	WS-133	DRAWING NO.	25-36103-1	PREPARED	JIM HILL
SERIAL NO.	0000440	U.O. MISSILE	942	APPROVED	G. OGARD

LINE	EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
			WEIGHT	X AXIS		Y AXIS		Z AXIS	
	PART NO.	DESCRIPTION OF EQUIPMENT		ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1									
2	25-36103-1	Body Section (As Weighed)	157.40	67.24	10,583.2	99.36	15,639.6	101.04	15,903.5
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36103-1	Body Section (Complete)	157.40	67.24	10,583.2	99.36	15,639.6	101.04	15,903.5
12									
13									
14									
15									
16									
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WEIGHT AND BALANCE CHANGE RECORD

ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AF04(694)-046	REPORT NO.	OPR-2320
COMPONENT	INTERSTAGE 2-3	LOT NO.		DATE	9/24/63
MODEL NO.	WS-133	DRAWING NO.	25-36103-1	PREPARED	JIM HILL
SERIAL NO.	0000441	U.O. MISSILE	927	APPROVED	G. OGARD

LINE	EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
			WEIGHT	X AXIS		Y AXIS		Z AXIS	
	PART NO.	DESCRIPTION OF EQUIPMENT		ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1									
2	25-36103-1	Body Section (As Weighed)	157.05	67.26	10,562.6	99.36	15,604.6	101.09	15,875.4
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36103-1	Body Section (Complete)	157.05	67.26	10,562.6	99.36	15,604.6	101.09	15,875.4
12									
13									
14									
15									
16									
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WEIGHT AND BALANCE CHANGE RECORD

ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AF04(694)-046	REPORT NO.	PR-2322
COMPONENT	INTERSTAGE 2-3	LOT NO.		DATE	9/23/63
MODEL NO.	WS-133	DRAWING NO.	25-36103-1	PREPARED	JIM HILL
SERIAL NO.	0000442	U.O. MISSILE	929	APPROVED	G. OGARD

LINE	EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
			WEIGHT	X AXIS		Y AXIS		Z AXIS	
	PART NO.	DESCRIPTION OF EQUIPMENT		ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1									
2	25-36103-1	Body Section (As Weighed)	156.55	67.33	10,540.9	99.27	15,540.8	101.07	15,828.7
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36103-1	Body Section (Complete)	156.55	67.33	10,540.9	99.27	15,540.8	101.07	15,828.7
12									
13									
14									
15									
16									
17									
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WEIGHT AND BALANCE CHANGE RECORD

ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AF04(694)-846	REPORT NO.	OTR-2326
COMPONENT	INTERSTAGE S-3	LOT NO.		DATE	9/26/63
MODEL NO.	WS-133	DRAWING NO.	25-36103-1	PREPARED	JIM HILL
SERIAL NO.	0000443	U.O. MISSILE	933	APPROVED	G. OGARD

LINE	EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
			WEIGHT	X AXIS		Y AXIS		Z AXIS	
	PART NO.	DESCRIPTION OF EQUIPMENT		ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1									
2	25-36103-1	Body Section (As Weighed)	155.85	67.48	10,516.0	99.35	15,484.6	101.02	15,744.4
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36103-1	Body Section (Complete)	155.85	67.48	10,516.0	99.35	15,484.6	101.02	15,744.4
12									
13									
14									
15									
16									
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6.1.31 WEIGHT AND BALANCE CHANGE RECORD

ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AF04(694)-046	REPORT NO.	OPR-2330
COMPONENT	INTERSTAGE 2-3	LOT NO.		DATE	9/27/63
MODEL NO.	WS-133	DRAWING NO.	25-36103-1	PREPARED	JIM HILL
SERIAL NO.	0000444	U.O. MISSILE	938	APPROVED	G. OGARD

LINE	EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
			WEIGHT	X AXIS		Y AXIS		Z AXIS	
	PART NO.	DESCRIPTION OF EQUIPMENT		ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1									
2	25-36103-1	Body Section (As Weighed)	156.45	67.14	10,503.4	99.35	15,543.2	100.97	15,797.5
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36103-1	Body Section (Complete)	156.45	67.14	10,503.4	99.35	15,543.2	100.97	15,797.5
12									
13									
14									
15									
16									
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BOEING NO. D2-13396-10

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6.1.32 WEIGHT AND BALANCE CHANGE RECORD

ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AF04(694)-046	REPORT NO.	OPR-2332
COMPONENT	INTERSTAGE 2-3	LOT NO.		DATE	9/30/63
MODEL NO.	WS-133	DRAWING NO.	25-36103-1	PREPARED	JIM HILL
SERIAL NO.	0000445	U.O. MISSILE	940	APPROVED	G. OGARD

LINE	EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
			WEIGHT	X AXIS		Y AXIS		Z AXIS	
	PART NO.	DESCRIPTION OF EQUIPMENT		ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1									
2	25-36103-1	Body Section (As Weighed)	156.35	67.08	10,488.4	99.28	15,522.2	101.05	15,798.6
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36103-1	Body Section (Complete)	156.35	67.08	10,488.4	99.28	15,522.2	101.05	15,798.6
12									
13									
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15									
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BOEING NO. D2-13946-10

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6.1.33

WEIGHT AND BALANCE CHANGE RECORD

ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AF04(694)-046	REPORT NO.	QPR-2335
COMPONENT	INTERSTAGE 2-3	LOT NO.		DATE	10/3/63
MODEL NO.	WS-133	DRAWING NO.	25-36103-1	PREPARED	JIM HILL
SERIAL NO.	0000446	U.O. MISSILE	943	APPROVED	C. OGARD

LINE	EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
			WEIGHT	X AXIS		Y AXIS		Z AXIS	
	PART NO.	DESCRIPTION OF EQUIPMENT		ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1									
2	25-36103-1	Body Section (As Weighed)	156.20	67.22	10,499.9	99.34	15,516.8	100.96	15,769.9
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36103-1	Body Section (Complete)	156.20	67.22	10,499.9	99.34	15,516.8	100.96	15,769.9
12									
13									
14									
15									
16									
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6.1.30 WEIGHT AND BALANCE CHANGE RECORD

ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AF04(694)-046	REPORT NO.	OPR-2321
COMPONENT	INTERSTAGE 2-3	LOT NO.		DATE	9/23/63
MODEL NO.	WS-133	DRAWING NO.	25-36103-1	PREPARED	JIM HILL
SERIAL NO.	0000451	U.O. MISSILE	928	APPROVED	G. OGARD

LINE	EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
			WEIGHT	X AXIS		Y AXIS		Z AXIS	
	PART NO.	DESCRIPTION OF EQUIPMENT		ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1									
2	25-36103-1	Body Section (As Weighed)	156.60	67.42	10,557.7	99.33	15,555.5	101.07	15,827.7
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36103-1	Body Section (Complete)	156.60	67.42	10,557.7	99.33	15,555.5	101.07	15,827.7
12									
13									
14									
15									
16									
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6.1.35 WEIGHT AND BALANCE CHANGE RECORD

ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AF04(694)-846	REPORT NO.	OPR-2325
COMPONENT	INTERSTAGE 2-3	LOT NO.		DATE	9/25/63
MODEL NO.	WS-133	DRAWING NO.	25-36103-1	PREPARED	JIM HILL
SERIAL NO.	0000452	U.O. MISSILE	930	APPROVED	G. OGARD

LINE	EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
			WEIGHT	X AXIS		Y AXIS		Z AXIS	
	PART NO.	DESCRIPTION OF EQUIPMENT		ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1									
2	25-36103-1	Body Section (As Weighed)	156.40	67.13	10,499.0	99.28	15,527.2	101.00	15,796.6
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36103-1	Body Section (Complete)	156.40	67.13	10,499.0	99.28	15,527.2	101.00	15,796.6
12									
13									
14									
15									
16									
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BOEING NO D2-13246-10 PAGE 96

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6.1.36 WEIGHT AND BALANCE CHANGE RECORD

ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AF04(694)-046	REPORT NO.	OPR-2327
COMPONENT	INTERSTAGE 2-3	LOT NO.		DATE	10/2/63
MODEL NO.	WS-133	DRAWING NO.	25-36103-1	PREPARED	JIM HILL
SERIAL NO.	0000453	U.O. MISSILE	934	APPROVED	G. OGARD

LINE	EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
			WEIGHT	X AXIS		Y AXIS		Z AXIS	
	PART NO.	DESCRIPTION OF EQUIPMENT		ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1									
2	25-36103-1	Body Section (As Weighed)	156.95	67.35	10,570.1	99.39	15,598.7	101.04	15,858.5
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36103-1	Body Section (Complete)	156.95	67.35	10,570.1	99.39	15,598.7	101.04	15,858.5
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.	OPR-2331
COMPONENT	INTERSTAGE 2-3	LOT NO.		DATE	10/3/63
MODEL NO.	WS-133	DRAWING NO.	25-36103-1	PREPARED	JIM HILL
SERIAL NO.	0000454	U.O. MISSILE	939	APPROVED	C. OGARD

LINE	EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
			WEIGHT	X AXIS		Y AXIS		Z AXIS	
	PART NO.	DESCRIPTION OF EQUIPMENT		ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1									
2	25-36103-1	Body Section (As Weighed)	156.15	67.12	10,481.1	99.34	15,511.8	101.06	15,779.9
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36103-1	Body Section (Complete)	156.15	67.12	10,481.1	99.34	15,511.8	101.06	15,799.9
12									
13									
14									
15									
16									
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6.1.38 WEIGHT AND BALANCE CHANGE RECORD

ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AF04(694)-046	REPORT NO.	OPR-2333
COMPONENT	INTERSTAGE 2-3	LOT NO.		DATE	10/3/63
MODEL NO.	WS-133	DRAWING NO.	25-36103-1	PREPARED	JIM HILL
SERIAL NO.	0000455	U.O. MISSILE	941	APPROVED	G. OGARD

LINE	EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
			WEIGHT	X AXIS		Y AXIS		Z AXIS	
	PART NO.	DESCRIPTION OF EQUIPMENT		ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1									
2	25-36103-1	Body Section (As Weighed)	157.25	67.18	10,564.0	99.35	15,623.2	100.93	15,872.0
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36103-1	Body Section (Complete)	157.25	67.18	10,564.0	99.35	15,623.2	100.93	15,872.0
12									
13									
14									
15									
16									
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2-5550-0-11 R1

6.1.39 WEIGHT AND BALANCE CHANGE RECORD

ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AF04(694)-046	REPORT NO.	PR-2336
COMPONENT	INTERSTAGE 2-3	LOT NO.		DATE	10/8/63
MODEL NO.	WS-133	DRAWING NO.	25-36103-1	PREPARED	JIM HILL
SERIAL NO.	0000456	U.O. MISSILE	944	APPROVED	G. OGARD

LINE	EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
			WEIGHT	X AXIS		Y AXIS		Z AXIS	
	PART NO.	DESCRIPTION OF EQUIPMENT		ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1									
2	25-36103-1	Body Section (As Weighed)	156.45	67.26	10,523.8	99.34	15,541.8	101.05	15,810.0
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36103-1	Body Section (Complete)	156.45	67.26	10,523.8	99.34	15,541.8	101.05	15,810.0
12									
13									
14									
15									
16									
17									
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6.1.40 WEIGHT AND BALANCE CHANGE RECORD

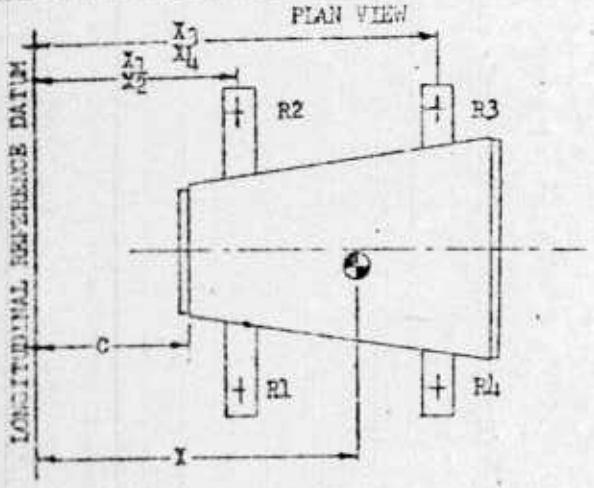
ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AF04(694)-046	REPORT NO.	OPR-2424
COMPONENT	INTERSTAGE 2-3	LOT NO.		DATE	9/25/63
MODEL NO.	WS-133	DRAWING NO.	25-36103-1	PREPARED	JIM HILL
SERIAL NO.	0000523	U.O. MISSILE	931	APPROVED	G. OGARD

LINE	EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
			WEIGHT	X AXIS		Y AXIS		Z AXIS	
	PART NO.	DESCRIPTION OF EQUIPMENT		ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1									
2	25-36103-1	Body Section (As Weighed)	156.65	67.31	10,543.6	99.34	15,561.8	101.00	15,821.7
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36103-1	Body Section (Complete)	156.65	67.31	10,543.6	99.34	15,561.8	101.00	15,821.7
12									
13									
14									
15									
16									
17									
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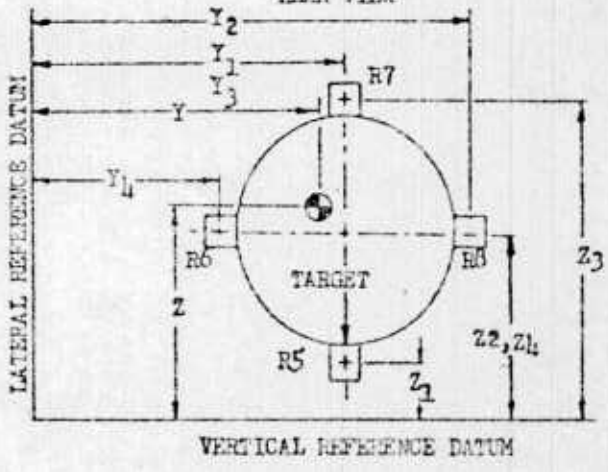
SERIAL NUMBER: 0000353 — 6.2.1 ACTUAL WEIGHT RECORD - INTERSTAGE 1-2 — WING II

U/O MISSILE 911	DRAWING NO. 25-36101-1	CHECK LIST NO. 7	REPORT NO. OPR-2225
MISSILE MODEL WS-133	DCN D	REPORTED BY RH/WB/RS	PAGE NO.
CONFIGURATION TAH	ADCN S-24	CHECKED BY BW	DATE 9/11/63

PLAN VIEW



REAR VIEW



WEIGHING DATA										DIMENSIONAL DATA					
REACTION	GR. WT.	TARE	CORR.	NET WT.	REACTION	GR. WT.	TARE	CORR.	NET WT.	DIM.	INCHES	DIM.	INCHES	DIM.	INCHES
R1	201.40	132.80		68.60	R5	127.25	31.00		96.25	X1	49.072	Y1	100.000	Z1	72.500
R2	203.00	93.40		109.60	R6	109.55	33.55		76.00	X2	49.072	Y2	127.498	Z2	100.000
R3	180.35	116.65		63.70	R7	130.85	31.00		99.85	X3	109.070	Y3	100.000	Z3	127.498
R4	171.65	76.75		100.90	R8	101.55	30.85		70.70	X4	109.070	Y4	72.502	Z4	100.000
TOTAL	767.40	419.60		342.80	TOTAL	469.20	126.40		342.80	C	50.000				

LONGITUDINAL C.G.				LATERAL C.G.				VERTICAL C.G.			
REACTION	NET WT.	ARM	MOMENT	REACTION	NET WT.	ARM	MOMENT	REACTION	NET WT.	ARM	MOMENT
R1	68.60	49.072		R5	96.25	100.000		R5	96.25	72.500	
R2	109.60	49.070		R6	76.00	72.501		R6	76.00	100.000	
R3	63.70	109.070		R7	99.85	100.000		R7	99.85	127.498	
R4	100.90	109.070		R8	70.70	127.498		R8	70.70	100.000	
AS WCD	342.80	77.88	26,697.3	AS WCD	342.80	99.57	34,134.2	AS WCD	342.80	100.29	34,378.8

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MODEL

Page No. 104

R2-1396-10

SERIAL NUMBER: 0000353

CHECK LIST NO.	6.2.1	MISSILE WEIGHING CHECK LIST	RECORD OF CHECKING (DATE)
DATE 9/11/63	MODEL WS-133	FINAL ASSEMBLY DRAWING NO. 21-50150	Mo 9 / Day 11 / Yr 63

SECTION _____ MISSILE NO. 911

MISSILE COMPONENT BODY SECTION-GUIDED MISSILE COMPONENT PART NO. Noted

ITEM CHECK	DESCRIPTION	PART NO.	WEIGHT	X ARM	Y ARM	Z ARM	COMPONENT: BASIC WEIGHT	COMPONENT: AS WEIGHED	COMPONENT: REMOTE SITE SHIPMENT	COMPONENT: AS RECEIVED REMOTE SITE	MISSILE: AS WEIGHED REMOTE SITE	MISSILE: LAUNCH
	Body Section Assembly	25-36101-1					-	-				
	Interstage Assembly - Structural	25-36100-1					x	x				
	Marking Installation	25-30134-29					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 - Access, Ordnance (4)	29-28371-1					x	x				
	Door - Access, Ordnance (4)	29-28391-1					x	x				
	Cover - Receptacle	29-22725-1					x	x				
	Plug - Screw, Insulated (2)	26-15247-1					x	x				
	Closure Panel - Access, Ordnance	29-22311-7					x	x				
	Bolt - 100° Head	BAC B30EM-4-8					x	x				
	Bolt - 100° Head	BAC B30EM-4-11					x	x				
	Bolt - 100° Head (2)	BAC B30EM-4L-9					x	x				
	Bolt - 100° Head (2)	BAC B30EM-4-5					x	x				
	Bolt - 100° Head	BAC B30EM-3-4					x	x				
	Bolt - 100° Head (4)	BAC B30EM-3-3					x	x				
	Bolt - 100° Head (4)	BAC B30EM-4-10					x	x				
	Bolt - 100° Head	BAC B30EM-4-13					x	x				
	Bolt - 100° Head	BAC B30EM-4-20					x	x				
	Bolt - 100° Head	BAC B30EM-4L-16					x	x				
	Bolt - 100° Head	BAC B30EM-4-4					x	x				
	Bolt - 100° Head (12)	BAC B30EM-4-6					x	x				
	Bolt - 100° Head (32)	BAC B30EM-4L-11					x	x				
	Bolt - 100° Head (7)	BAC B30EM-4-7					x	x				
	Bolt - 100° Head	BAC B30EM-4-12					x	x				
	Bolt - 100° Head	BAC B30EM-3-12					x	x				
	Bolt - Pan Head (16)	BAC B30EM-P4-4					x	x				
	Washer (22)	AN960-416L					x	x				
	Nut (6)	MA3679-A4W					x	x				

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BOEING | NO D2-13976-1

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SERIAL NUMBER: 0000353

CHECK LIST NO. 6.2.1 MISSILE WEIGHING CHECK LIST

DATE 9/11/63

MODEL WS-133 FINAL ASSEMBLY DRAWING NO. 21-50150

SECTION 47 MISSILE NO. 911 -

MISSILE COMPONENT BODY SECTION-GUIDED MISSILE COMPONENT PART NO. Noted

RECORD OF CHECKING (DATE)							
Mo		9					
Day		11					
Yr		63					

ITEM NUMBER	DESCRIPTION	PART NO.	WEIGHT	X ARM	Y ARM	Z ARM	COMPONENT: BASIC WEIGHT	COMPONENT: AS WEIGHED	COMPONENT: REMOTE SITE SHIPMENT	COMPONENT: AS RECEIVED REMOTE SITE	MISSILE: AS WEIGHED REMOTE SITE	MISSILE: LAUNCH
	Body Section Assembly (Continued)	25-36101-1					-	-				
	Insulation - Installed in Seattle	BMS 5-62					x	x				
	Seal, FWD Ring Splice (2)	29-24180-4					x	x				
	Insulation	BMS 5-62					x	o				

2-5550-0-21

BOEING NO D2-13946-1

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6.2.1 WEIGHT AND BALANCE CHANGE RECORD

ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AF04(694)-046	REPORT NO.	OPR-2225
COMPONENT	INTERSTAGE 1-2	LOT NO.		DATE	9/11/63
MODEL NO.	WS-133	DRAWING NO.	25-36101-1	PREPARED	JIM HILL
SERIAL NO.	0000353	U.O. MISSILE	911	APPROVED	G. OGARD

LINE	EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
			WEIGHT	X AXIS -		Y AXIS		Z AXIS	
	PART NO.	DESCRIPTION OF EQUIPMENT		ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1									
2	25-36101-1	Body Section (As Weighed)	342.80	77.88	26,697.3	99.57	34,134.2	100.29	34,378.8
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36101-1	Body Section (Complete)	342.80	77.88	26,697.3	99.57	34,134.2	100.29	34,378.8
12									
13									
14									
15									
16									
17									
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6.2.2 WEIGHT AND BALANCE CHANGE RECORD

ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AF04(694)-046	REPORT NO.	OPR-2226
COMPONENT	INTERSTAGE 1-2	LOT NO.		DATE	9/25/63
MODEL NO.	WS-133	DRAWING NO.	25-36101-1	PREPARED	JIM HILL
SERIAL NO.	0000354	U.O. MISSILE	921	APPROVED	G. OGARD

LINE	EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
			WEIGHT	X AXIS		Y AXIS		Z AXIS	
	PART NO.	DESCRIPTION OF EQUIPMENT		ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1									
2	25-36101-1	Body Section (As Weighed)	342.00	78.25	26,760.2	99.63	34,073.4	100.31	34,307.1
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36101-1	Body Section (Complete)	342.00	78.25	26,760.2	99.63	34,073.4	100.31	34,307.1
12									
13									
14									
15									
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6.2.3 WEIGHT AND BALANCE CHANGE RECORD

ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AF04(694)-046	REPORT NO.	OPR-2227
COMPONENT	INTERSTAGE 1-2	LOT NO.		DATE	9/19/63
MODEL NO.	WS-133	DRAWING NO.	25-36101-1	PREPARED	JIM HILL
SERIAL NO.	0000355	U.O. MISSILE	935	APPROVED	G. OGARD

LINE	EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
			WEIGHT	X AXIS		Y AXIS		Z AXIS	
	PART NO.	DESCRIPTION OF EQUIPMENT		ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1									
2	25-36101-1	Body Section (As Weighed)	341.30	77.94	26,599.7	99.54	33,974.6	100.23	34,208.1
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36101-1	Body Section (Complete)	341.30	77.94	26,599.7	99.54	33,974.6	100.23	34,208.1
12									
13									
14									
15									
16									
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6.2.4 WEIGHT AND BALANCE CHANGE RECORD

ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AF04(694)-046	REPORT NO.	OPR-2300
COMPONENT	INTERSTAGE 1-2	LOT NO.		DATE	9/9/63
MODEL NO.	WS-133	DRAWING NO.	25-36101-1	PREPARED	JIM HILL
SERIAL NO.	0000409	U.S. MISSILE	305	APPROVED	G. OGARD

LINE	EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
			WEIGHT	X AXIS		Y AXIS		Z AXIS	
	PART NO.	DESCRIPTION OF EQUIPMENT		ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1									
2	25-36101-1	Body Section (As Weighed)	343.10	77.97	26,751.1	99.47	34,129.8	100.32	34,421.2
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36101-1	Body Section (Complete)	343.10	77.97	26,751.1	99.47	34,129.8	100.32	34,421.2
12									
13									
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15									
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6.2.5 WEIGHT AND BALANCE CHANGE RECORD

ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AF04(694)-046	REPORT NO.	OPR-2303
COMPONENT	INTERSTAGE 1-2	LOT NO.		DATE	9/10/63
MODEL NO.	WS-133	DRAWING NO.	25-36101-1	PREPARED	JM HILL
SERIAL NO.	0000410	U.S. MISSILE	908	APPROVED	G. GARD

LINE	EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
			WEIGHT	X AXIS		Y AXIS		Z AXIS	
	PART NO.	DESCRIPTION OF EQUIPMENT		ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1									
2	25-36101-1	Body Section (As Weighed)	342.75	77.88	26,691.9	99.49	34,098.9	100.33	34,386.9
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36101-1	Body Section (Complete)	342.75	77.88	26,691.9	99.49	34,098.9	100.33	34,386.9
12									
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15									
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6.2.6 WEIGHT AND BALANCE CHANGE RECORD

ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AF04(694)-046	REPORT NO.	OPR-2301
COMPONENT	INTERSTAGE 1-2	LOT NO.		DATE	9/9/63
MODEL NO.	WS-133	DRAWING NO.	25-36101-1	PREPARED	JIM HILL
SERIAL NO.	0000415	U.O. MISSILE	906	APPROVED	G. OGARD

LINE	EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
			WEIGHT	X AXIS		Y AXIS		Z AXIS	
	PART NO.	DESCRIPTION OF EQUIPMENT		ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1									
2	25-36101-1	Body Section (As Weighed)	342.30	77.89	26,660.8	99.48	34,051.2	100.39	34,361.8
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36101-1	Body Section (Complete)	342.30	77.89	26,660.8	99.48	34,051.2	100.39	34,361.8
12									
13									
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15									
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BOEING NO D2-13246-10

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6.2.7 WEIGHT AND BALANCE CHANGE RECORD

ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AF04(694)-046	REPORT NO.	UPR-2304
COMPONENT	IN. ERSTAGE 1-2	LOT NO.		DATE	9/17/63
MODEL NO.	WS-133	DRAWING NO.	25-36101-1	PREPARED	JIM HILL
SERIAL NO.	0000416	U.O. MISSILE	909	APPROVED	G. OGARD

LINE	EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
			WEIGHT	X AXIS		Y AXIS		Z AXIS	
	PART NO.	DESCRIPTION OF EQUIPMENT		ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1									
2	25-36101-1	Body Section (As Weighed)	342.25	78.07	26,718.4	99.51	34,058.5	100.43	34,373.3
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36101-1	Body Section (Complete)	342.25	78.07	26,718.4	99.51	34,058.5	100.43	34,373.3
12									
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15									
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BOEING NO D2-13946 10

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6.2.8 WEIGHT AND BALANCE CHANGE RECORD

ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AF04(694)-046	REPORT NO.	OPR-2207
COMPONENT	INTERSTAGE 1-2	LOT NO.		DATE	9/6/63
MODEL NO.	WS-133	DRAWING NO.	25-36101-1	PREPARED	JIM HILL
SERIAL NO.	0000417	U.O. MISSILE	913	APPROVED	C. OGARD

LINE NO.	EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
			WEIGHT	X AXIS		Y AXIS		Z AXIS	
	PART NO.	DESCRIPTION OF EQUIPMENT		ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1									
2	25-36101-1	Body Section (As Weighed)	343.35	77.83	26,724.4	99.52	34,171.3	100.34	34,453.1
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36101-1	Body Section (Complete)	343.35	77.83	26,724.4	99.52	34,171.3	100.34	34,453.1
12									
13									
14									
15									
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BOEING NO D2-13946-10

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6.2.9

WEIGHT AND BALANCE CHANGE RECORD

ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AF04(694)-046	REPORT NO.	OPR-2310
COMPONENT	INTERSTAGE 1&2	LOT NO.		DATE	9/19/63
MODEL NO.	WS-133	DRAWING NO.	25-36101-1	PREPARED	JIM HILL
SERIAL NO.	0000418	U.C. MISSILE	916	APPROVED	G. OGARD

LINE	EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
			WEIGHT	X AXIS		Y AXIS		Z AXIS	
	PART NO.	DESCRIPTION OF EQUIPMENT		ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1									
2	25-36101-1	Body Section (As Weighed)	340.90	78.01	26,595.1	99.60	33,953.9	100.29	34,190.1
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36101-1	Body Section (Complete)	340.90	78.01	26,595.1	99.60	33,953.9	100.29	34,190.1
12									
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15									
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6.2.10 WEIGHT AND BALANCE CHANGE RECORD

ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AF04(694)-046	REPORT NO.	OPR-2313
COMPONENT	INTERSTAGE 1-2	LOT NO.		DATE	9/23/63
MODEL NO.	WS-133	DRAWING NO.	25-36101-1	PREPARED	JIM HILL
SERIAL NO.	0000419	U.O. MISSILE	919	APPROVED	G. OGARD

LINE	EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
			WEIGHT	X AXIS		Y AXIS		Z AXIS	
	PART NO.	DESCRIPTION OF EQUIPMENT		ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1									
2	25-36101-1	Body Section (As Weighed)	341.85	77.95	26,647.7	99.55	34,030.9	100.38	34,315.4
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36101-1	Body Section (Complete)	341.85	77.95	26,647.7	99.55	34,030.9	100.38	34,315.4
12									
13									
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15									
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6.2.11 WEIGHT AND BALANCE CHANGE RECORD

ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AF04(694)-046	REPORT NO.	QPR-2316
COMPONENT	INTERSTAGE 1-2	LOT NO.		DATE	9/23/63
MODEL NO.	WS-133	DRAWING NO.	25-36101-1	PREPARED	JIM HILL
SERIAL NO.	0000420	U.O. MISSILE	923	APPROVED	G. OGARD

LINE	EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
			WEIGHT	X AXIS		Y AXIS		Z AXIS	
	PART NO.	DESCRIPTION OF EQUIPMENT		ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1									
2	25-36101-1	Body Section (As Weighed)	341.25	77.96	26,603.3	99.56	33,975.1	100.37	34,251.3
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36101-1	Body Section (Complete)	341.25	77.96	26,603.3	99.56	33,975.1	100.37	34,251.3
12									
13									
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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.	PR-2302
COMPONENT	INTERSTAGE 1-2	LOT NO.		DATE	9/6/63
MODEL NO.	WS-133	DRAWING NO.	25-36101-1	PREPARED	JIM HILL
SERIAL NO.	0000425	U.O. MISSILE	907	APPROVED	C. OGARD

LINE	EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
			WEIGHT	X AXIS		Y AXIS		Z AXIS	
	PART NO.	DESCRIPTION OF EQUIPMENT		ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1									
2	25-36101-1	Body Section (As Weighed)	342.05	77.83	26,621.6	99.60	34,067.4	100.34	34,321.7
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36101-1	Body Section (Complete)	342.05	77.83	26,621.6	99.60	34,067.4	100.34	34,321.7
12									
13									
14									
15									
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6.2.13 WEIGHT AND BALANCE CHANGE RECORD

ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AF04(694)-046	REPORT NO.	PR-2305
COMPONENT	INTERSTAGE 1-2	LOT NO.		DATE	9/6/63
MODEL NO.	WS-133	DRAWING NO.	25-36101-1	PREPARED	JIM HILL
SERIAL NO.	0000426	U.O. MISSILE	910	APPROVED	G. OGARD

LINE	EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
			WEIGHT	X AXIS		Y AXIS		Z AXIS	
	PART NO.	DESCRIPTION OF EQUIPMENT		ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1									
2	25-36101-1	Body Section (As Weighed)	341.55	77.99	26,639.0	99.54	33,998.2	100.32	34,263.4
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36101-1	Body Section (Complete)	341.55	77.99	26,639.0	99.54	33,998.2	100.32	34,263.4
12									
13									
14									
15									
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6.2.14 WEIGHT AND BALANCE CHANGE RECORD

ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AF04(694)-046	REPORT NO.	CPR-2308
COMPONENT	INTERSTAGE 1-2	LOT NO.		DATE	9/13/63
MODEL NO.	WS-133	DRAWING NO.	25-36101-1	PREPARED	JIM HILL
SERIAL NO.	0000427	U.O. MISSILE	914	APPROVED	G. OGARD

LINE	EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
			WEIGHT	X AXIS		Y AXIS		Z AXIS	
	PART NO.	DESCRIPTION OF EQUIPMENT		ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1									
2	25-36101-1	Body Section (As Weighed)	342.30	77.96	26,684.8	99.47	34,084.4	100.39	34,364.6
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36101-1	Body Section (Complete)	342.30	77.96	26 684.8	99.47	34,084.4	100.39	34,364.6
12									
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15									
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6.2.15 WEIGHT AND BALANCE CHANGE RECORD

ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AF04(694)-046	REPORT NO.	OPR-2311
COMPONENT	INTERSTAGE 1-2	LOT NO.		DATE	9/13/63
MODEL NO.	WS-133	DRAWING NO.	25-36101-1	PREPARED	JIM HILL
SERIAL NO.	0000428	U.O. MISSILE	917	APPROVED	G. OGARD

LINE	EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
			WEIGHT	X AXIS		Y AXIS		Z AXIS	
	PART NO.	DESCRIPTION OF EQUIPMENT		ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1									
2	25-36101-1	Body Section (As Weighed)	342.40	77.81	26,641.7	99.46	34,054.3	100.30	34,342.9
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36101-1	Body Section (Complete)	342.40	77.81	26,641.7	99.46	34,054.3	100.30	34,342.9
12									
13									
14									
15									
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6.2.16 WEIGHT AND BALANCE CHANGE RECORD

ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AF04(694)-046	REPORT NO.	OPR-2314
COMPONENT	INTERSTAGE 1-2	LOT NO.		DATE	9/23/63
MODEL NO.	WS-133	DRAWING NO.	25-36101-1	PREPARED	JIM HILL
SERIAL NO.	0000429	U.S. MISSILE	920	APPROVED	G. OGARD

LINE	EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
			WEIGHT	X AXIS		Y AXIS		Z AXIS	
	PART NO.	DESCRIPTION OF EQUIPMENT		ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1									
2	25-36101-1	Body Section (As Weighed)	341.35	78.00	26,626.2	99.56	33,986.4	100.32	34,243.4
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36101-1	Body Section (Complete)	341.35	78.00	26,626.2	99.56	33,986.4	100.32	34,243.4
12									
13									
14									
15									
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6.2.17 WEIGHT AND BALANCE CHANGE RECORD

ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AF04(694)-046	REPORT NO.	OPR-2317
COMPONENT	INTERSTAGE 1-2	LOT NO.		DATE	9/25/63
MODEL NO.	WS-133	DRAWING NO.	25-36101-1	PREPARED	JIM HILL
SERIAL NO.	0000430	U.O. MISSILE	924	APPROVED	G. OGAR

LINE	EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
			WEIGHT	X AXIS		Y AXIS		Z AXIS	
	PART NO.	DESCRIPTION OF EQUIPMENT		ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1									
2	25-36101-1	Body Section (As Weighed)	341.45	78.19	26,697.2	99.62	34,015.7	100.35	34,264.4
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36101-1	Body Section (Complete)	341.45	78.19	26,697.2	99.62	34,015.7	100.35	34,264.4
12									
13									
14									
15									
16									
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6.2.18 WEIGHT AND BALANCE CHANGE RECORD

ASSOCIATE CONTRACTOR	B EING	CONTRACT NO.	AF04(694)-046	REPORT NO.	OPR-2306
COMPONENT	INTERSTAGE 1-2	LOT NO.		DATE	9/10/63
MODEL NO.	WS-133	DRAWING NO.	25-36101-1	PREPARED	JIM HILL
SERIAL NO.	0000431	U.O. MISSILE	912	APPROVED	G. GARD

LINE	EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
			WEIGHT	X AXIS		Y AXIS		Z AXIS	
	PART NO.	DESCRIPTION OF EQUIPMENT		ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1									
2	25-36101-1	Body Section (As Weighed)	342.40	77.99	26,704.7	99.49	34,064.0	100.31	34,347.0
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36101-1	Body Section (Complete)	342.40	77.99	26,704.7	99.49	34,064.0	100.31	34,347.0
12									
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14									
15									
16									
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6.2.19 WEIGHT AND BALANCE CHANGE RECORD

ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AF04(694)-046	REPORT NO.	QPR-2309
COMPONENT	INTERSTAGE 1-2	LOT NO.		DATE	9/13/63
MODEL NO.	WS-133	DRAWING NO.	25-36101-1	PREPARED	JIM HILL
SERIAL NO.	0000432	U.O. MISSILE	915	APPROVED	G. OGARD

LINE	EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
			WEIGHT	X AXIS		Y AXIS		Z AXIS	
	PART NO.	DESCRIPTION OF EQUIPMENT		ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1									
2	25-36101-1	Body Section (As Weighed)	340.95	77.94	26,573.6	99.41	33,892.8	100.35	34,215.8
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36101-1	Body Section (Complete)	340.95	77.94	26,573.6	99.41	33,892.8	100.35	34,215.8
12									
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14									
15									
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6.2.20 WEIGHT AND BALANCE CHANGE RECORD

ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AF04(694)-046	REPORT NO.	OPR-2312
COMPONENT	INTERSTAGE 1-2	LOT NO.		DATE	9/26/63
MODEL NO.	WS-133	DRAWING NO.	25-36101-1	PREPARED	JIM HILL
SERIAL NO.	0004-33	U.O. MISSILE	918	APPROVED	G. OGARD

LINE	EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
			WEIGHT	X AXIS		Y AXIS		Z AXIS	
	PART NO.	DESCRIPTION OF EQUIPMENT		ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1									
2	25-36101-1	Body Section (As Weighed)	339.90	78.16	26,567.0	99.63	33,864.8	100.26	34,079.1
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36101-1	Body Section (Complete)	339.90	78.16	26,567.0	99.63	33,864.8	100.26	34,079.1
12									
13									
14									
15									
16									
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6.2.21 WEIGHT AND BALANCE CHANGE RECORD

ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AF04(694)-046	REPORT NO.	OPR-2315
COMPONENT	INTERSTAGE 1-2	LOT NO.		DATE	9/23/63
MODEL NO.	WS-133	DRAWING NO.	25-36101-1	PREPARED	JIM HILL
SERIAL NO.	0000434	U.O. MISSILE	922	APPROVED	G. OGARD

LINE	EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
			WEIGHT	X AXIS		Y AXIS		Z AXIS	
	PART NO.	DESCRIPTION OF EQUIPMENT		ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1									
2	25-36101-1	Body Section (As Weighed)	341.75	77.85	26,603.8	99.57	34,026.4	100.35	34,294.5
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36101-1	Body Section (Complete)	341.75	77.85	26,603.8	99.57	34,026.4	100.35	34,294.5
12									
13									
14									
15									
16									
17									
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6.2.22 WEIGHT AND BALANCE CHANGE RECORD

ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AF04(694)-046	REPORT NO.	OPR-2318
COMPONENT	INTERSTAGE 1-2	LOT NO.		DATE	9/26/63
MODEL NO.	WS-133	DRAWING NO.	25-36101-1	PREPARED	JIM HILL
SERIAL NO.	0000435	U.O. MISSILE	925	APPROVED	G. OGARD

LINE	EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
			WEIGHT	X AXIS		Y AXIS		Z AXIS	
	PART NO.	DESCRIPTION OF EQUIPMENT		ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1									
2	25-36101-1	Body Section (As Weighed)	341.60	78.21	26,716.5	99.61	34,028.0	100.27	34,253.3
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36101-1	Body Section (Complete)	341.60	78.21	26,716.5	99.61	34,028.0	100.27	34,253.3
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-2319
COMPONENT	INTERSTAGE 1-2	LOT NO.		DATE	9/25/63
MODEL NO.	WS-133	DRAWING NO.	25-36101-1	PREPARED	JIM HILL
SERIAL NO.	0000436	U.O. MISSILE	926	APPROVED	G. OGARD

LINE	EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
			WEIGHT	X AXIS		Y AXIS		Z AXIS	
	PART NO.	DESCRIPTION OF EQUIPMENT		ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1									
2	25-36101-1	Body Section (As Weighed)	341.65	78.15	26,700.9	99.57	34,019.2	100.33	34,276.2
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36101-1	Body Section (Complete)	341.65	78.15	26,700.9	99.57	34,019.2	100.33	34,276.2
12									
13									
14									
15									
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6.2.24 WEIGHT AND BALANCE CHANGE RECORD

ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AF04(694)-046	REPORT NO.	OPR-2525
COMPONENT	INTERSTAGE 1-2	LOT NO.		DATE	9/19/63
MODEL NO.	WS-133	DRAWING NO.	25-36101-1	PREPARED	JIM HILL
SERIAL NO.	0000437	U.O. MISSILE	932	APPROVED	G. OGARD

LINE	EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
			WEIGHT	X AXIS		Y AXIS		Z AXIS	
	PART NO.	DESCRIPTION OF EQUIPMENT		ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1									
2	25-36101-1	Body Section (As Weighed)	341.65	78.14	26,694.9	99.61	34,030.2	100.33	34,278.9
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36101-1	Body Section (Complete)	341.65	78.14	26,694.9	99.61	34,030.2	100.33	34,278.9
12									
13									
14									
15									
16									
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6.2.25 WEIGHT AND BALANCE CHANGE RECORD

ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AF04(694)-046	REPORT NO.	OPR-2328
COMPONENT	INTERSTAGE 1-2	LOT NO.		DATE	9/26/63
MODEL NO.	WS-133	DRAWING NO.	25-36101-1	PREPARED	JIM HILL
SERIAL NO.	0000438	U.O. MISSILE	936	APPROVED	G. OGARD

LINE	EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
			WEIGHT	X AXIS		Y AXIS		Z AXIS	
	PART NO.	DESCRIPTION OF EQUIPMENT		ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1									
2	25-36101-1	Body Section (As Weighed)	340.70	78.30	26,675.3	99.74	33,981.9	100.20	34,138.5
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36101-1	Body Section (Complete)	340.70	78.30	26,675.3	99.74	33,981.9	100.20	34,138.5
12									
13									
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15									
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6.2.26 WEIGHT AND BALANCE CHANGE RECORD

ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AF04(694)-046	REPORT NO.	OPR-2329
COMPONENT	INTERSTAGE 1/2	LOT NO.		DATE	10/1/63
MODEL NO.	MB-133	DRAWING NO.	25-36101-1	PREPARED	JDM HILL
SERIAL NO.	0000439	U.O. MISSILE	937	APPROVED	G. OGARD

LINE	EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
			WEIGHT	X AXIS		Y AXIS		Z AXIS	
	PART NO.	DESCRIPTION OF EQUIPMENT		ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1									
2	25-36101-1	Body Section (As Weighed)	340.05	77.93	26,499.4	99.68	33,894.9	100.26	34,094.2
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36101-1	Body Section (Complete)	340.05	77.93	26,499.4	99.68	33,894.9	100.26	34,094.2
12									
13									
14									
15									
16									
17									
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6.2.27 WEIGHT AND BALANCE CHANGE RECORD

ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AF04(694)-046	REPORT NO.	OPR-2334
COMPONENT	INTERSTAGE 1-2	LOT NO.		DATE	10/3/63
MODEL NO.	WS-133	DRAWING NO.	25-36101-1	PREPARED	JIM HILL
SERIAL NO.	0000440	U.O. MISSILE	942	APPROVED	G. OGARD

LINE	EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
			WEIGHT	X AXIS		Y AXIS		Z AXIS	
	PART NO.	DESCRIPTION OF EQUIPMENT		ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1									
2	25-36101-1	Body Section (As Weighed)	341.40	77.90	26,595.7	99.63	34,014.8	100.23	34,218.2
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36101-1	Body Section (Complete)	341.40	77.90	26,595.7	99.63	34,014.8	100.23	34,218.2
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.	OPR-2320
COMPONENT	INTERSTAGE 1-2	LOT NO.		DATE	9/19/63
MODEL NO.	WS-133	DRAWING NO.	25-36101-1	PREPARED	JIM HILL
SERIAL NO.	0000441	U.O. MISSILE	927	APPROVED	G. OGARD

LINE	EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
			WEIGHT	X AXIS		Y AXIS		Z AXIS	
	PART NO.	DESCRIPTION OF EQUIPMENT		ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1									
2	25-36101-1	Body Section (As Weighed)	340.40	77.97	26,540.6	99.46	33,857.1	100.36	34,162.1
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36101-1	Body Section (Complete)	340.40	77.97	26,540.6	99.46	33,857.1	100.36	34,162.1
12									
13									
14									
15									
16									
17									
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6.2.29 WEIGHT AND BALANCE CHANGE RECORD

ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AF04(694)-046	REPORT NO.	OPR-2322
COMPONENT	INTERSTAGE 1-2	LOT NO.		DATE	9/26/63
MODEL NO.	WS-133	DRAWING NO.	25-36101-1	PREPARED	JIM HILL
SERIAL NO.	0000442	U.O. MISSILE	929	APPROVED	G. OGARD

LINE	EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
			WEIGHT	X AXIS		Y AXIS		Z AXIS	
	PART NO.	DESCRIPTION OF EQUIPMENT		ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1									
2	25-36101-1	Body Section (As Weighed)	343.30	78.34	26,892.9	99.56	34,178.7	100.30	34,431.5
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36101-1	Body Section (Complete)	343.30	78.34	26,892.9	99.56	34,178.7	100.30	34,431.5
12									
13									
14									
15									
16									
17									
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6.2.30 WEIGHT AND BALANCE CHANGE RECORD

ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AF04(694)-046	REPORT NO.	OPR-2326
COMPONENT	INTERSTAGE 1-2	LOT NO.		DATE	9/25/63
MODEL NO.	WS-133	DRAWING NO.	25-36101-1	PREPARED	JIM HILL
SERIAL NO.	0000443	U.O. MISSILE	933	APPROVED	G. OGARD

LINE	EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
			WEIGHT	X AXIS		Y AXIS		Z AXIS	
	PART NO.	DESCRIPTION OF EQUIPMENT		ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1									
2	25-36101-1	Body Section (As Weighed)	342.40	78.10	26,740.8	99.68	34,131.3	100.27	34,331.9
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36101-1	Body Section (Complete)	342.40	78.10	26,740.8	99.68	34,131.3	100.27	34,331.9
12									
13									
14									
15									
16									
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6.2.31 WEIGHT AND BALANCE CHANGE RECORD

ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AF04(694)-046	REPORT NO.	OPR-2330
COMPONENT	INTERSTAGE 1-2	LOT NO.		DATE	9/30/63
MODEL NO.	WS-133	DRAWING NO.	25-36101-1	PREPARED	JIM HILL
SERIAL NO.	0000444	U.O. MISSILE	938	APPROVED	G. OGARD

LINE	EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
			WEIGHT	X AXIS		Y AXIS		Z AXIS	
	PART NO.	DESCRIPTION OF EQUIPMENT		ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1									
2	25-36101-1	Body Section (As Weighed)	340.40	77.91	26,519.6	99.62	33,910.6	100.36	34,160.9
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36101-1	Body Section (Complete)	340.40	77.91	26,519.6	99.62	33,910.6	100.36	34,160.9
12									
13									
14									
15									
16									
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6.2.32 WEIGHT AND BALANCE CHANGE RECORD

ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AF04(694) 046	REPORT NO.	OPR-2332
COMPONENT	INTERSTAGE 1-2	LOT NO.		DATE	10/3/63
MODEL NO.	WS-133	DRAWING NO.	25-36101-1	PREPARED	JIM HILL
SERIAL NO.	0000445	U.O. MISSILE	940	APPROVED	G. OGARD

LINE	EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
			WEIGHT	X AXIS		Y AXIS		Z AXIS	
	PART NO.	DESCRIPTION OF EQUIPMENT		ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1									
2	25-36101-1	Body Section (As Weighed)	340.60	77.86	26,517.4	99.56	33,911.4	100.24	34,142.3
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36101-1	Body Section (Complete)	340.60	77.86	26,517.4	99.56	33,911.4	100.24	34,142.3
12									
13									
14									
15									
16									
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BOEING NO D2-1396-10

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6.2.33 WEIGHT AND BALANCE CHANGE RECORD

ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AF04(694)-046	REPORT NO.	QPR-2335
COMPONENT	INTERSTAGE 1-2	LOT NO.		DATE	10/8/63
MODEL NO.	WS-133	DRAWING NO.	25-36101-1	PREPARED	JIM HILL
SERIAL NO.	0000446	U.O. MISSILE	943	APPROVED	G. OGARD

LINE	EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
			WEIGHT	X AXIS		Y AXIS		Z AXIS	
	PART NO.	DESCRIPTION OF EQUIPMENT		ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1									
2	25-36101-1	Body Section (As Weighed)	342.80	77.81	26,673.4	99.65	34,158.9	100.34	34,398.1
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36101-1	Body Section (Complete)	342.80	77.81	26,673.4	99.65	34,158.9	100.34	34,398.1
12									
13									
14									
15									
16									
17									
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6.2.34 WEIGHT AND BALANCE CHANGE RECORD

ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AF04(694)-046	REPORT NO.	QPR-2321
COMPONENT	INTERSTAGE 1-2	LOT NO.		DATE	9/16/63
MODEL NO.	WS-133	DRAWING NO.	25-36101-1	PREPARED	JIM HILL
SERIAL NO.	0000451	U.O. MISSILE	928	APPROVED	G. OGARD

LINE	EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
			WEIGHT	X AXIS		Y AXIS		Z AXIS	
	PART NO.	DESCRIPTION OF EQUIPMENT		ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1									
2	25-36101-1	Body Section (As Weighed)	340.05	78.03	26,535.4	99.41	33,805.5	100.36	34,128.6
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36101-1	Body Section (Complete)	340.05	78.03	26,535.4	99.41	33,805.5	100.36	34,128.6
12									
13									
14									
15									
16									
17									
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BOEING NO D8 13346-10

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6.2.35

WEIGHT AND BALANCE CHANGE RECORD

ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AF04(694)-046	REPORT NO.	OPR-2323
COMPONENT	INTERSTAGE 1-2	LOT NO.		DATE	9/13/63
MODEL NO.	WS-133	DRAWING NO.	25-36101-1	PREPARED	JIM HILL
SERIAL NO.	0000452	U.O. MISSILE	930	APPROVED	G. OGARD

LINE	EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
			WEIGHT	X AXIS		Y AXIS		Z AXIS	
	PART NO.	DESCRIPTION OF EQUIPMENT		ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1									
2	25-36101-1	Body Section (As Weighed)	341.00	77.86	26,549.0	99.35	33,879.9	100.39	34,234.5
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36101-1	Body Section (Complete)	341.00	77.86	26,549.0	99.35	33,879.9	100.39	34,234.5
12									
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BOEING NO. D2-13946-10

6.2.36

WEIGHT AND BALANCE CHANGE RECORD

ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AF04(694)-046	REPORT NO.	OPR-2327
COMPONENT	INTERSTAGE 1-2	LOT NO.		DATE	9/19/63
MODEL NO.	WS-133	DRAWING NO.	25-36101-1	PREPARED	JIM RILL
SERIAL NO.	0000453	U.O. MISSILE	934	APPROVED	G. OGARD

LINE	EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
			WEIGHT	X AXIS		Y AXIS		Z AXIS	
	PART NO.	DESCRIPTION OF EQUIPMENT		ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1									
2	25-36101-1	Body Section (As Weighed)	339.45	78.01	26,482.0	99.58	33,802.0	100.29	34,042.4
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36101-1	Body Section (Complete)	339.45	78.01	26,482.0	99.58	33,802.0	100.29	34,042.4
12									
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BOEING NO D2-13946-10

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6.2.37 WEIGHT AND BALANCE CHANGE RECORD

ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AF04(694)-046	REPORT NO.	QPR-2331
COMPONENT	INTERSTAGE 1-2	LOT NO.		DATE	2/30/63
MODEL NO.	WS-133	DRAWING NO.	25-36101-1	PREPARED	JDM HILL
SERIAL NO.	0000454	U.O. MISSILE	939	APPROVED	G. OGARD

LINE	EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
			WEIGHT	X AXIS		Y AXIS		Z AXIS	
	PART NO.	DESCRIPTION OF EQUIPMENT		ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1									
2	25-36101-1	Body Section (As Weighed)	341.30	77.90	26,587.7	99.61	33,997.9	100.39	34,261.8
3									
4									
5		ADD:	0.						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36101-1	Body Section (Complete)	341.30	77.90	26,587.7	99.61	33,997.9	100.39	34,261.8
12									
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6.2.38 WEIGHT AND BALANCE CHANGE RECORD

ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AF04(694)-046	REPORT NO.	OPR-2333
COMPONENT	INTERSTAGE 1-2	LOT NO.		DATE	10/4/63
MODEL NO.	WS-133	DRAWING NO.	25-36101-1	PREPARED	JIM HILL
SERIAL NO.	0000455	U.O. MISSILE	941	APPROVED	G. OGARD

LINE	EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
			WEIGHT	X AXIS		Y AXIS		Z AXIS	
	PART NO.	DESCRIPTION OF EQUIPMENT		ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1									
2	25-36101-1	Body Section (As Weighed)	341.85	78.00	26,662.7	99.54	34,028.2	100.28	34,282.4
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36101-1	Body Section (Complete)	341.85	78.00	26,662.7	99.54	34,028.2	100.28	34,282.4
12									
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6.2.39 WEIGHT AND BALANCE CHANGE RECORD

ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AF04(694)-046	REPORT NO.	OPR-2336
COMPONENT	INTERSTAGE 1-2	LOT NO.		DATE	10/4/63
MODEL NO.	WS-133	DRAWING NO.	25-36101-1	PREPARED	JIM HILL
SERIAL NO.	0000456	U.O. MISSILE	944	APPROVED	G. OGARD

LINE	EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
			WEIGHT	X AXIS		Y AXIS		Z AXIS	
	PART NO.	DESCRIPTION OF EQUIPMENT		ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1									
2	25-36101-1	Body Section (As Weighed)	342.15	77.99	26,683.5	99.58	34,072.0	100.29	34,315.1
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36101-1	Body Section (Complete)	342.15	77.99	26,683.5	99.58	34,072.0	100.29	34,315.1
12									
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15									
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6.2.40 WEIGHT AND BALANCE CHANGE RECORD

ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AF04(694)-046	REPORT NO.	OPR-2424
COMPONENT	INTERSTAGE 1-2	LOT NO.		DATE	9/20/63
MODEL NO.	WS-133	DRAWING NO.	25-36080-1	PREPARED	JIM HILL
SERIAL NO.	0000523	U.O. MISSILE	931	APPROVED	G. OGARD

LINE	EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
			WEIGHT	X AXIS		Y AXIS		Z AXIS	
	PART NO.	DESCRIPTION OF EQUIPMENT		ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1									
2	25-36080-1	Body Section (As Weighed)	341.00	77.87	26,552.0	99.55	33,946.3	100.33	34,211.1
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36080-1	Body Section (Complete)	341.00	77.87	26,552.0	99.55	33,947.3	100.33	34,211.1
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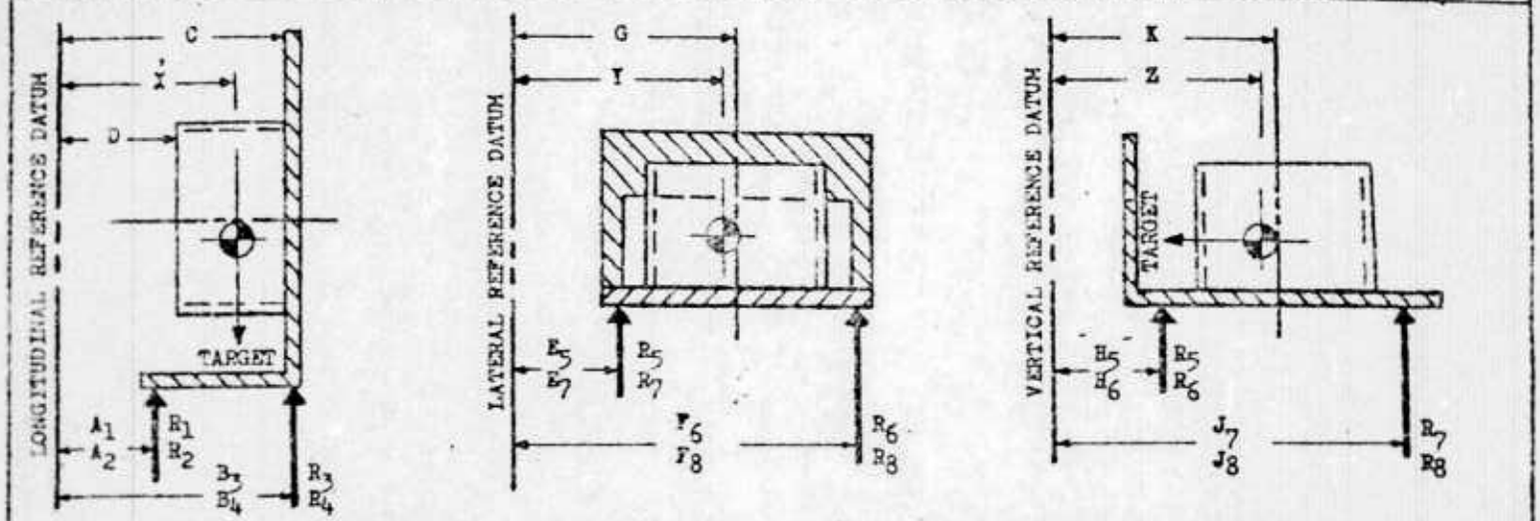
BOEING NO D2-13946-10

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SERIAL NO. 0000353 — 6.3.1 ACTUAL WEIGHT RECORD - SKIRT - — WING II

U/O MISSILE 911	DRAWING NO. 25-36080-1	CHECK LIST NO.	REPORT NO. OPR-2225
MISSILE MODEL WS-133	DCN E	REPORTED BY RS/RH/WB	PAGE NO. 9/11/63
CONFIGURATION TAH	ADCN S-23	CHECKED BY BW	DATE



WEIGHING DATA									
REACTION	GR. WT.	TARE	CORR.	NET WT.	REACTION	GR. WT.	TARE	CORR.	NET WT.
R1	131.95	52.50		79.45	R5	123.35	61.35		62.00
R2	97.25	20.15		77.10	R6	199.85	124.70		75.15
R3	170.15	107.90		62.25	R7	174.05	98.40		75.65
R4	199.90	139.60		60.30	R8	102.00	35.70		66.30
TOTAL	599.25	320.15		279.10	TOTAL	599.25	320.15		279.10

DIMENSIONAL DATA					
DIM.	INCHES	DIM.	INCHES	DIM.	INCHES
A1	52.353	E5	63.752	H5	63.667
A2	52.354	E7	63.727	H6	63.698
B3	89.854	F6	136.253	J7	136.160
B4	89.854	F8	136.229	J8	136.198
C		G	100.000	K	100.000
D	50.00				

LONGITUDINAL C.G.			
REACTION	NET WT.	ARM	MOMENT
R1	79.45	52.353	
R2	77.10	52.354	
R3	62.25	89.854	
R4	60.30	89.854	
AS WGD	279.10	68.82	19,207.5

LATERAL C.G.			
REACTION	NET WT.	ARM	MOMENT
R5	62.00	63.752	
R6	75.15	136.253	
R7	75.65	63.727	
R8	66.30	136.229	
AS WGD	279.10	100.48	28,045.0

VERTICAL C.G.			
REACTION	NET WT.	ARM	MOMENT
R5	62.00	63.[illegible]	
R6	75.15	63.698	
R7	75.65	136.160	
R8	66.30	136.198	
AS WGD	279.10	100.55	28,064.1

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SERIAL NUMBER: 0000353

CHECK LIST NO. 6.3.1 MISSILE WEIGHING CHECK LIST

DATE 9/11/63

MODEL WS-133 FINAL ASSEMBLY DRAWING NO. 21-50150

SECTION 49 MISSILE NO. 911

MISSILE COMPONENT BODY SECTION-GUIDED MISSILE COMPONENT PART NO. Noted

RECORD OF CHECKING (DATE)							
Mo		9					
Day		11					
Yr		63					

ITEM NUMBER	DESCRIPTION	PART NO.	WEIGHT	X ARM	Y ARM	Z ARM	COMPONENT: BASIC WEIGHT	COMPONENT: AS WEIGHED	COMPONENT: REMOTE SITE SHIPMENT	COMPONENT: AS RECEIVED REMOTE SITE	MISSILE: AS WEIGHED REMOTE SITE	MISSILE: LAUNCH
	Body Section Assembly	25-36080-1					-	-				
	Skirt Assy - Structural	25-36080-1					x	x				
	Support Bracket G&C & CTLI Conn.	25-37345-1					x	x				
	" " (OPTIONAL)	25-37345-3					x	x				
	Bracket G&C Cable	29-28033-1					x	x				
	Bracket - Clamp G&C Cable	25-36624-1					x	x				
	Bracket - Cable Support	29-28847-5					x	x				
	Bracket - Cable Support	29-28847-2					x	x				
	Screw (4)	NAS 514P832-8					x	x				
	Screw (4)	NAS 603-10					x	x				
	Engine Dome Seal	29-13439					x	x				
	Marking Installation	25-30134-30					x	x				
	Insulation	BMS 5-62					x	x				
	Base Ring Splice (2)	29-30315-1					x	x				

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BOEING NO D2-13946-10

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6.3.1 WEIGHT AND BALANCE CHANGE RECORD

ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AF04(694)-046	REPORT NO.	OPR-2225
COMPONENT	SKIRT	LOT NO.		DATE	9/11/63
MODEL NO.	WS-133	DRAWING NO.	25-36080-1	PREPARED	JIM HILL
SERIAL NO.	0000353	U.O. MISSILE	911	APPROVED	G. OGARD

LINE	EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
			WEIGHT	X AXIS		Y AXIS		Z AXIS	
	PART NO.	DESCRIPTION OF EQUIPMENT		ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1									
2	25-36080-1	Body Section (As Weighed)	279.10	68.82	19,207.5	100.48	28,045.0	100.55	28,064.3
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36080-1	Body Section (Complete)	279.10	68.82	19,207.5	100.48	28,045.0	100.55	28,064.3
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15									
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6.3.2 WEIGHT AND BALANCE CHANGE RECORD

ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AF04(694)-046	REPORT NO.	PR-2226
COMPONENT	SKIRT	LOT NO.		DATE	9/18/63
MODEL NO.	WS-133	DRAWING NO.	25-36080-1	PREPARED	JIM HILL
SERIAL NO.	0000354	U.O. MISSILE	921	APPROVED	G. OGARD

LINE	EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
			WEIGHT	X AXIS		Y AXIS		Z AXIS	
	PART NO.	DESCRIPTION OF EQUIPMENT		ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1									
2	25-36080-1	Body Section (As Weighed)	275.90	68.93	19,017.5	100.56	27,743.1	100.51	27,730.1
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36080-1	Body Section (Complete)	275.90	68.93	19,017.5	100.56	27,743.1	100.51	27,730.1
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6.3.3 WEIGHT AND BALANCE CHANGE RECORD

ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AF04(694)-046	REPORT NO.	QPR-2227
COMPONENT	SKIRT	LOT NO.		DATE	9/27/63
MODEL NO.	WS-133	DRAWING NO.	25-36080-1	PREPARED	JIM HILL
SERIAL NO.	0000355	U.O. MISSILE	935	APPROVED	Q. OGARD

LINE	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)	276.70	68.72	19,014.4	100.53	27,815.9	100.68	27,857.1
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36080-1	Body Section (Complete)	276.70	68.72	19,014.4	100.53	27,815.9	100.68	27,857.1
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15									
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. 6.3.4

WEIGHT AND BALANCE CHANGE RECORD

ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AF04(694)-046	REPORT NO.	OPR-2300
COMPONENT	SKIRT	LOT NO.		DATE	9/3/63
MODEL NO.	WS-133	DRAWING NO.	25-36080-1	PREPARED	JIM HILL
SERIAL NO.	0000409	U.O. MISSILE	905	APPROVED	G. OGARD

LINE	EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
			WEIGHT	X AXIS		Y AXIS		Z AXIS	
	PART NO.	DESCRIPTION OF EQUIPMENT		ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1									
2	25-36080-1	Body Section (As Weighed)	274.95	68.88	18,939.7	100.56	27,649.9	100.74	27,698.6
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36080-1	Body Section (Complete)	274.95	68.88	18,939.7	100.56	27,649.9	100.74	27,698.6
12									
13									
14									
15									
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6.3.5 WEIGHT AND BALANCE CHANGE RECORD

ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AF04(694)-046	REPORT NO.	OPR-2303
COMPONENT	SKIRT	LOT NO.		DATE	9/5/63
MODEL NO.	WS-133	DRAWING NO.	25-36080-1	PREPARED	JIM HILL
SERIAL NO.	0000410	U.O. MISSILE	908	APPROVED	G. OGARD

LINE	EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
			WEIGHT	X AXIS		Y AXIS		Z AXIS	
	PART NO.	DESCRIPTION OF EQUIPMENT		ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1									
2	25-36080-1	Body Section (As Weighed)	275.70	68.86	18,984.5	100.53	27,715.9	100.59	27,731.8
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36080-1	Body Section (Complete)	275.70	68.86	18,984.5	100.53	27,715.9	100.59	27,731.8
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.	QPR-2301
COMPONENT	SKIRT	LOT NO.		DATE	9/4/63
MODEL NO.	WS-133	DRAWING NO.	25-36080-1	PREPARED	JIM HILL
SERIAL NO.	0000415	U.O. MISSILE	906	APPROVED	G. OGARD

LINE	EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
			WEIGHT	X AXIS		Y AXIS		Z AXIS	
	PART NO.	DESCRIPTION OF EQUIPMENT		ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1									
2	25-36080-1	Body Section (As Weighed)	275.45	68.88	18,973.3	100.33	27,634.7	100.62	27,715.9
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36080-1	Body Section (Complete)	275.45	68.88	18,973.3	100.33	27,634.7	100.62	27,715.9
12									
13									
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6.3.7 WEIGHT AND BALANCE CHANGE RECORD

ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AF04(694)-046	REPORT NO.	OPR-2304
COMPONENT	SKIRT	LOT NO.		DATE	9/11/63
MODEL NO.	WS-133	DRAWING NO.	25-36080-1	PREPARED	JIM HILL
SERIAL NO.	0000416	U.O. MISSILE	909	APPROVED	G. OGARD

LINE	EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
			WEIGHT	X AXIS		Y AXIS		Z AXIS	
	PART NO.	DESCRIPTION OF EQUIPMENT		ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1									
2	25-36080-1	Body Section (As Weighed)	277.85	68.81	19,119.6	100.43	27,903.7	100.68	27,973.8
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36080-1	Body Section (Complete)	277.85	68.81	19,119.6	100.43	27,903.7	100.68	27,973.8
12									
13									
14									
15									
16									
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6.3.8 WEIGHT AND BALANCE CHANGE RECORD

ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AF04(694)-046	REPORT NO.	OPR-2307
COMPONENT	SKIRT	LOT NO.	-	DATE	9/12/63
MODEL NO.	WS-133	DRAWING NO.	25-36080-1	PREPARED	JIM HILL
SERIAL NO.	0000417	U.O. MISSILE	913	APPROVED	G. OGARD.

LINE	EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
			WEIGHT	X AXIS		Y AXIS		Z AXIS	
	PART NO.	DESCRIPTION OF EQUIPMENT		ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1									
2	25-36080-1	Body Section (As Weighed)	280.55	68.85	19,315.3	100.57	28,213.5	100.56	28,211.0
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36080-1	Body Section (Complete)	280.55	68.85	19,315.3	100.57	28,213.5	100.56	28,211.0
12									
13									
14									
15									
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6.3.9 WEIGHT AND BALANCE CHANGE RECORD

ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AF04(694)-046	REPORT NO.	OPR-2310
COMPONENT	SKIRT	LOT NO.		DATE	9/12/63
MODEL NO.	WS-133	DRAWING NO.	25-36080-1	PREPARED	JIM HILL
SERIAL NO.	0000418	U.O. MISSILE	916	APPROVED	G. OGARD

LINE	EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
			WEIGHT	X AXIS		Y AXIS		Z AXIS	
	PART NO.	DESCRIPTION OF EQUIPMENT		ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1									
2	25-36080-1	Body Section (As Weighed)	277.65	68.91	19,131.6	100.51	27,905.4	100.55	27,917.6
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36080-1	Body Section (Complete)	277.65	68.91	19,131.6	100.51	27,905.4	100.55	27,917.6
12									
13									
14									
15									
16									
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2-5550-0-11 R1

6.3.10 WEIGHT AND BALANCE CHANGE RECORD

ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AF04(694)-046	REPORT NO.	OPR-2313
COMPONENT	SKIRT	LOT NO.		DATE	9/12/63
MODEL NO.	WS-133	DRAWING NO.	25-36080-1	PREPARED	JIM HILL
SERIAL NO.	0000419	U.O. MISSILE	919	APPROVED	G. OGARD

LINE	EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
			WEIGHT	X AXIS		Y AXIS		Z AXIS	
	PART NO.	DESCRIPTION OF EQUIPMENT		ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1									
2	25-36080-1	Body Section (As Weighed)	276.05	68.84	19,002.9	100.55	27,756.3	100.55	27,757.7
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36080-1	Body Section (Complete)	276.05	68.84	19,002.9	100.55	27,756.3	100.55	27,757.7
12									
13									
14									
15									
16									
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2-5550-0-11 R1

6.3.11 WEIGHT AND BALANCE CHANGE RECORD

ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AF04(694)-046	REPORT NO.	OPR-2316
COMPONENT	SKIRT	LOT NO.		DATE	9/20/63
MODEL NO.	WS-133	DRAWING NO.	25-36080-1	PREPARED	JIM HILL
SERIAL NO.	0000420	U.O. MISSILE	923	APPROVED	G. OGARD

LINE	EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
			WEIGHT	X AXIS		Y AXIS		Z AXIS	
	PART NO.	DESCRIPTION OF EQUIPMENT		ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1									
2	25-36080-1	Body Section (As Weighed)	279.10	68.80	19,201.9	100.60	28,077.6	100.50	28,049.9
3									
4									
5		ADD;	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36080-1	Body Section (Complete)	279.10	68.80	19,201.9	100.60	28,077.6	100.50	28,049.9
12									
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14									
15									
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6.3.12

WEIGHT AND BALANCE CHANGE RECORD

ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AF04(694)-046	REPORT NO.	OPR-2302
COMPONENT	SKIRT	LOT NO.		DATE	9/11/63
MODEL NO.	WS-133	DRAWING NO.	25-36080-1	PREPARED	JIM HILL
SERIAL NO.	0000425	U.O. MISSILE	907	APPROVED	G. OGARD

LINE	EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
			WEIGHT	X AXIS		Y AXIS		Z AXIS	
	PART NO.	DESCRIPTION OF EQUIPMENT		ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1									
2	25-36080-1	Body Section (As Weighed)	275.15	68.90	18,957.6	100.48	27,648.2	100.65	27,693.2
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36080-1	Body Section (Complete)	275.15	68.90	18,957.6	100.48	27,648.2	100.65	27,693.2
12									
13									
14									
15									
16									
17									
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6.3.13 WEIGHT AND BALANCE CHANGE RECORD

ASSOCIATE CONTRACTOR	B EING	CONTRACT NO.	AF04(694)-046	REPORT NO.	OPR-2305
COMPONENT	SKIRT	LOT NO.		DATE	9/5/63
MODEL NO.	WS-133	DRAWING NO.	25-36080-1	PREPARED	JIM HILL
SERIAL NO.	0000426	U.O. MISSILE	910	APPROVED	G. GARD

LINE	EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
			WEIGHT	X AXIS		Y AXIS		Z AXIS	
	PART NO.	DESCRIPTION OF EQUIPMENT		ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1									
2	25-36080-1	Body Section (As Weighed)	278.00	68.93	19,161.2	100.58	27,960.4	100.54	27,950.8
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36080-1	Body Section (Complete)	278.00	68.93	19,161.2	100.58	27,960.4	100.54	27,950.8
12									
13									
14									
15									
16									
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BOEING D2-13946-10

2-5500-0-11 R1

6.3.14 WEIGHT AND BALANCE CHANGE RECORD

ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AF04(694)-046	REPORT NO.	OPR-2308
COMPONENT	SKIRT	LOT NO.		DATE	9/12/6[illegible]
MODEL NO.	WS-133	DRAWING NO.	25-36080-1	PREPARED	JIM HILL
SERIAL NO.	0000427	U.C. MISSILE	914	APPROVED	G. OGARD

LINE	EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
			WEIGHT	X AXIS		Y AXIS		Z AXIS	
	PART NO.	DESCRIPTION OF EQUIPMENT		ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1									
2	25-36080-1	Body Section (As Weighed)	279.20	68.87	19,227.8	100.44	28,044.1	100.62	28,092.4
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36080-1	Body Section (Complete)	279.20	68.87	19,227.8	100.44	28,044.1	100.62	28,092.4
12									
13									
14									
15									
16									
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6.3.15 WEIGHT AND BALANCE CHANGE RECORD

ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AF04(694)-046	REPORT NO.	OPR-2311
COMPONENT	SKIRT	LOT NO.		DATE	9/18/63
MODEL NO.	WS-133	DRAWING NO.	25-36080-1	PREPARED	JIM HILL
SERIAL NO.	0000428	U.O. MISSILE	917	APPROVED	G. OGARD

LINE	EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
			WEIGHT	X AXIS		Y AXIS		Z AXIS	
	PART NO.	DESCRIPTION OF EQUIPMENT		ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1									
2	25-36080-1	Body Section (As Weighed)	278.25	68.78	19,160.0	100.45	27,980.9	100.63	28,029.3
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36080-1	Body Section (Complete)	278.25	68.78	19,160.0	100.45	27,980.9	100.63	28,029.3
12									
13									
14									
15									
16									
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BOEING NO D2-13946-10

6.3.16

WEIGHT AND BALANCE CHANGE RECORD

ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AF04(694)-046	REPORT NO.	OPR-2314
COMPONENT	SKIRT	LOT NO.		DATE	9/18/63
MODEL NO.	WS-132	DRAWING NO.	25-36080-1	PREPARED	JIM HILL
SERIAL NO.	0000429	U.O. MISSILE	920	APPROVED	G. OGARD

LINE	EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
			WEIGHT	X AXIS		Y AXIS		Z AXIS	
	PART NO.	DESCRIPTION OF EQUIPMENT		ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1									
2	25-36080-1	Body Section (As Weighed)	278.05	68.94	19,164.4	100.60	27,970.8	100.60	27,972.1
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36080-1	Body Section (Complete)	278.05	68.94	19,164.4	100.60	27,970.8	100.60	27,972.1
12									
13									
14									
15									
16									
17									
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6.3.17

WEIGHT AND BALANCE CHANGE RECORD

ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AF04(694)-046	REPORT NO.	OPR-2317
COMPONENT	SKIRT	LOT NO.		DATE	9/20/63
MODEL NO.	WS-133	DRAWING NO.	25-36080-1	PREPARED	JIM HILL
SERIAL NO.	0000430	U.O. MISSILE	924	APPROVED	G. OGARD

LINE	EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
			WEIGHT	X AXIS		Y AXIS		Z AXIS	
	PART NO.	DESCRIPTION OF EQUIPMENT		ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1									
2	25-36080-1	Body Section (As Weighed)	274.95	68.95	18,958.4	100.50	27,631.8	100.60	27,658.7
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36080-1	Body Section (Complete)	274.95	68.95	18,958.4	100.50	27,631.8	100.60	27,658.7
12									
13									
14									
15									
16									
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6.3.18 WEIGHT AND BALANCE CHANGE RECORD

ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AF04(694)-046	REPORT NO.	QPR-2306
COMPONENT	SKIRT	LOT NO.		DATE	9/12/63
MODEL NO.	WS-133	DRAWING NO.	25-36080-1	PREPARED	JIM HILL
SERIAL NO.	0000431	U.O. MISSILE	912	APPROVED	G. OGARD

LINE	EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
			WEIGHT	X AXIS		Y AXIS		Z AXIS	
	PART NO.	DESCRIPTION OF EQUIPMENT		ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1									
2	25-36080-1	Body Section (As Weighed)	278.50	68.83	19,168.6	100.69	28,043.0	100.55	28,004.4
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36080-1	Body Section (Complete)	278.50	68.83	19,168.6	100.69	28,043.0	100.55	28,004.4
12									
13									
14									
15									
16									
17									
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6.3.19 WEIGHT AND BALANCE CHANGE RECORD

ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AF04(694)-046	REPORT NO.	OPR-2289
COMPONENT	SKIRT	LOT NO.		DATE	9/17/63
MODEL NO.	WS-133	DRAWING NO.	25-36080-1	PREPARED	JIM HILL
SERIAL NO.	0000432	U.O. MISSILE	215	APPROVED	G. OGARD

LINE	EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
			WEIGHT	X AXIS		Y AXIS		Z AXIS	
	PART NO.	DESCRIPTION OF EQUIPMENT		ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1									
2	25-36080-1	Body Section (As Weighed)	279.25	68.58	19,282.1	100.51	28,139.0	100.56	28,151.1
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36080-1	Body Section (Complete)	279.25	68.88	19,282.1	100.51	28,139.0	100.56	28,151.1
12									
13									
14									
15									
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6.3.20 WEIGHT AND BALANCE CHANGE RECORD

ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AF04(694)-046	REPORT NO.	OPR-2312
COMPONENT	SKIRT	LOT NO.		DATE	9/18/63
MODEL NO.	WS-133	DRAWING NO.	25-36080-1	PREPARED	JIM HILL
SERIAL NO.	0000433	U.O. MISSILE	918	APPROVED	G. OGARD

LINE	EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
			WEIGHT	X AXIS		Y AXIS		Z AXIS	
	PART NO.	DESCRIPTION OF EQUIPMENT		ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1									
2	25-36080-1	Body Section (As Weighed)	276.00	68.87	19,007.7	100.67	27,785.8	100.35	27,696.6
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36080-1	Body Section (Complete)	276.00	68.87	19,007.7	100.67	27,785.8	100.35	27,696.6
12									
13									
14									
15									
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6.3.21 WEIGHT AND BALANCE CHANGE RECORD

ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AF04(694)-046	REPORT NO.	OPR-2315
COMPONENT	SKIRT	LOT NO.		DATE	9/17/63
MODEL NO.	WS-133	DRAWING NO.	25-36080-1	PREPARED	JIM HILL
SERIAL NO.	000434	U.O. MISSILE	922	APPROVED	G. OGARD

LINE	EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
			WEIGHT	X AXIS		Y AXIS		Z AXIS	
	PART NO.	DESCRIPTION OF EQUIPMENT		ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1									
2	25-36080-1	Body Section (As Weighed)	275.90	68.94	19,019.4	100.55	27,743.1	100.67	27,773.6
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36080-1	Body Section (Complete)	275.90	68.94	19,019.4	100.55	27,743.1	100.67	27,773.6
12									
13									
14									
15									
16									
17									
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6.3.22

WEIGHT AND BALANCE CHANGE RECORD

ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AF04(694)-046	REPORT NO.	OPR-2318
COMPONENT	SKIRT	LOT NO.		DATE	9/20/63
MODEL NO.	WS-133	DRAWING NO.	25-36080-1	PREPARED	JIM HILL
SERIAL NO.	0000435	U.O. MISSILE	925	APPROVED	G. OGARD

LINE	EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
			WEIGHT	X AXIS		Y AXIS		Z AXIS	
	PART NO.	DESCRIPTION OF EQUIPMENT		ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1									
2	25-36080-1	Body Section (As Weighed)	275.75	68.85	18,985.3	100.39	27,682.8	100.61	27,742.2
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36080-1	Body Section (Complete)	275.75	68.85	18,985.3	100.39	27,682.8	100.61	27,742.2
12									
13									
14									
15									
16									
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6.3.23 WEIGHT AND BALANCE CHANGE RECORD

ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AF04(694)-046	REPORT NO.	OPR-2319
COMPONENT	SKIRT	LOT NO.		DATE	9/20/63
MODEL NO.	WS-133	DRAWING NO.	25-36080-1	PREPARED	JIM HILL
SERIAL NO.	0000436	U.O. MISSILE	926	APPROVED	G. OGARD

LINE	EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
			WEIGHT	X AXIS		Y AXIS		Z AXIS	
	PART NO.	DESCRIPTION OF EQUIPMENT		ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1									
2	25-36080-1	Body Section (As Weighed)	276.35	68.92	19,046.7	100.44	27,757.3	100.56	27,791.3
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36080-1	Body Section (Complete)	276.35	68.92	19,046.7	100.44	27,757.3	100.56	27,791.3
12									
13									
14									
15									
16									
17									
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6.3.24

WEIGHT AND BALANCE CHANGE RECORD

ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AF04(694)-046	REPORT NO.	OPR-2325
COMPONENT	SKIRT	LOT NO.		DATE	9/24/63
MODEL NO.	WS-133	DRAWING NO.	25-36080-1	PREPARED	JIM HILL
SERIAL NO.	0000437	U.O. MISSILE	932	APPROVED	G. OGARD

LINE	EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
			WEIGHT	X AXIS		Y AXIS		Z AXIS	
	PART NO.	DESCRIPTION OF EQUIPMENT		ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1									
2	25-36080-1	Body Section (As Weighed)	276.65	68.90	19,060.5	100.48	27,798.2	100.55	27,817.7
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36080-1	Body Section (Complete)	276.65	68.90	19,060.5	100.48	27,798.2	100.55	27,817.7
12									
13									
14									
15									
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BOEING NO D2-13946-10

6.3.25

WEIGHT AND BALANCE CHANGE RECORD

ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AF04(694)-046	REPORT NO.	QPR-2328
COMPONENT	SKIRT	LOT NO.		DATE	10/1/63
MODEL NO.	WS-133	DRAWING NO.	25-36080-1	PREPARED	JIM HILL
SERIAL NO.	0000438	U.O. MISSILE	936	APPROVED	G. OGARD

LINE	EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
			WEIGHT	X AXIS		Y AXIS		Z AXIS	
	PART NO.	DESCRIPTION OF EQUIPMENT		ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1									
2	25-36080-1	Body Section (As Weighed)	276.95	68.90	19,081.9	100.38	27,799.2	100.70	27,887.5
3									
4			0						
5		ADD:							
6									
7			0						
8		DEDUCT:							
9									
10									
11	25-36080-1	Body Section (Complete)	276.95	68.90	19,081.9	100.38	27,799.2	100.70	27,887.5
12									
13									
14									
15									
16									
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6.3.26

WEIGHT AND BALANCE CHANGE RECORD

ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AF04(694)-046	REPORT NO.	OPR-2329
COMPONENT	SKIRT	LOT NO.		DATE	9/30/63
MODEL NO.	WS-133	DRAWING NO.	25-36080-1	PREPARED	JIM HILL
SERIAL NO.	0000439	U.O. MISSILE	937	APPROVED	G. OGARD

LINE	EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
			WEIGHT	X AXIS		Y AXIS		Z AXIS	
	PART NO.	DESCRIPTION OF EQUIPMENT		ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1									
2	25-36080-1	Body Section (As Weighed)	273.95	68.83	18,855.4	100.51	27,535.5	100.60	27,558.8
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36080-1	Body Section (Complete)	273.95	68.83	18,855.4	100.51	27,535.5	100.60	27,558.8
12									
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BOEING NO D2-13946-10

6.3.27

WEIGHT AND BALANCE CHANGE RECORD

ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AF04(694)-046	REPORT NO.	OPR-2334
COMPONENT	SKIRT	LOT NO.		DATE	10/7/63
MODEL NO.	WS-133	DRAWING NO.	25-36080-1	PREPARED	JIM HILL
SERIAL NO.	0000440	U.O. MISSILE	942	APPROVED	G. OGARD

LINE	EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
			WEIGHT	X AXIS		Y AXIS		Z AXIS	
	PART NO.	DESCRIPTION OF EQUIPMENT		ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1									
2	25-36080-1	Body Section (As Weighed)	274.30	68.85	18,886.9	100.62	27,601.3	100.51	27,570.2
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36080-1	Body Section (Complete)	274.30	68.85	18,886.9	100.62	27,601.3	100.51	27,570.2
12									
13									
14									
15									
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BOEING

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6.3.28 WEIGHT AND BALANCE CHANGE RECORD

ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AF04(694)-046	REPORT NO.	OPR-2320
COMPONENT	SKIFT	LOT NO.		DATE	9/23/63
MODEL NO.	WS-133	DRAWING NO.	25-36080-1	PREPARED	JIM HILL
SERIAL NO.	0000441	U.O. MISSILE	927	APPROVED	G. OGARD

LINE	EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
			WEIGHT	X AXIS		Y AXIS		Z AXIS	
	PART NO.	DESCRIPTION OF EQUIPMENT		ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1									
2	25-36080-1	Body Section (As Weighed)	275.10	68.91	18,958.8	100.43	27,630.5	100.46	27,639.2
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36080-1	Body Section (Complete)	275.10	68.91	18,958.8	100.43	27,630.5	100.46	27,639.2
12									
13									
14									
15									
16									
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6.3.29 WEIGHT AND BALANCE CHANGE RECORD

ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AF04(694)-046	REPORT NO.	OPR-2322
COMPONENT	SKIRT	LOT NO.		DATE	9/24/63
MODEL NO.	WS-133	DRAWING NO.	25-36080-1	PREPARED	JIM HILL
SERIAL NO.	0000442	U.O. MISSILE	929	APPROVED	G. OGARD

LINE	EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
			WEIGHT	X AXIS		Y AXIS		Z AXIS	
	PART NO.	DESCRIPTION OF EQUIPMENT		ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1									
2	25-36080-1	Body Section (As Weighed)	276.95	68.91	19,085.6	100.51	27,835.4	100.71	27,891.2
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36080-1	Body Section (Complete)	276.95	68.91	19,085.6	100.51	27,835.4	100.71	27,891.2
12									
13									
14									
15									
16									
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BOEING NO D2-13946-10

6.3.30 WEIGHT AND BALANCE CHANGE RECORD

ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AF04(694)-046	REPORT NO.	QPR-2326
COMPONENT	SKIPT	LOT NO.		DATE	9/27/63
MODEL NO.	WS-133	DRAWING NO.	25-36080-1	PREPARED	JIM HILL
SERIAL NO.	0000443	U.O. MISSILE	933	APPROVED	G. OGARD

LINE	EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
			WEIGHT	X AXIS		Y AXIS		Z AXIS	
	PART NO.	DESCRIPTION OF EQUIPMENT		ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1									
2	25-36080-1	Body Section (As Weighed)	276.15	68.69	18,968.7	100.69	27,806.2	100.45	27,738.8
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36080-1	Body Section (Complete)	276.15	68.69	18,968.7	100.69	27,806.2	100.45	27,738.8
12									
13									
14									
15									
16									
17									
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6.3.31 WEIGHT AND BALANCE CHANGE RECORD

ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AF04(694)-046	REPORT NO.	QPR-2330
COMPONENT	SKIRT	LOT NO.		DATE	10/1/63
MODEL NO.	WS-133	DRAWING NO.	25-36080-1	PREPARED	JIM HILL
SERIAL NO.	0000444	U.S. MISSILE	938	APPROVED	G. OGARD

LINE	EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
			WEIGHT	X AXIS		Y AXIS		Z AXIS	
	PART NO.	DESCRIPTION OF EQUIPMENT		ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1									
2	25-36080-1	Body Section (As Weighed)	276.80	68.90	19,070.3	100.49	27,815.0	100.58	27,841.7
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36080-1	Body Section (Complete)	276.80	68.90	19,070.3	100.49	27,815.0	100.58	27,841.7
12									
13									
14									
15									
16									
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6.3.32

WEIGHT AND BALANCE CHANGE RECORD

ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AF04(694)-046	REPORT NO.	QPR-2332
COMPONENT	SKIRT	LOT NO.		DATE	10/1/63
MODEL NO.	WS-133	DRAWING NO.	25-36080-1	PREPARED	JIM HILL
SERIAL NO.	0000445	U.O. MISSILE	940	APPROVED	O. OGARD

LINE	EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
			WEIGHT	X AXIS		Y AXIS		Z AXIS	
	PART NO.	DESCRIPTION OF EQUIPMENT		ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1									
2	25-36080-1	Body Section (As Weighed)	275.40	68.93	18,982.0	100.58	27,700.4	100.55	27,691.0
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36080-1	Body Section (Complete)	275.40	68.93	18,982.0	100.58	27,700.4	100.55	27,691.0
12									
13									
14									
15									
16									
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6.3.33

WEIGHT AND BALANCE CHANGE RECORD

ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AF04(694)-046	REPORT NO.	OPR-2335
COMPONENT	SKIRT	LOT NO.		DATE	10/7/63
MODEL NO.	WS-133	DRAWING NO.	25-36080-1	PREPARED	JIM HILL
SERIAL NO.	0000446	U.O. MISSILE	943	APPROVED	G. OGARD

LINE	EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
			WEIGHT	X AXIS		Y AXIS		Z AXIS	
	PART NO.	DESCRIPTION OF EQUIPMENT		ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1									
2	25-36080-1	Body Section (As Weighed)	275.10	68.80	18,962.9	100.44	27,630.5	100.67	27,693.6
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36080-1	Body Section (Complete)	275.10	68.80	18,926.9	100.44	27,630.5	100.67	27,693.6
12									
13									
14									
15									
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BOEING

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6.3.34

WEIGHT AND BALANCE CHANGE RECORD

ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AF04(694)-046	REPORT NO.	OPR-2321
COMPONENT	SKIRT	LOT NO.		DATE	9/20/63
MODEL NO.	WS-133	DRAWING NO.	25-36080-1	PREPARED	JIM HILL
SERIAL NO.	0000451	U.O. MISSILE	928	APPROVED	C. OGARD

LINE	EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
			WEIGHT	X AXIS		Y AXIS		Z AXIS	
	PART NO.	DESCRIPTION OF EQUIPMENT		ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1									
2	25-36080-1	Body Section (As Weighed)	276.80	68.90	19,070.3	100.55	27,833.1	100.57	27,838.1
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36080-1	Body Section (Complete)	276.80	68.90	19,070.3	100.55	27,833.1	100.57	27,838.1
12									
13									
14									
15									
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2-5550-0-11 R1

6.3.35 WEIGHT AND BALANCE CHANGE RECORD

ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AF04(694)-046	REPORT NO.	QPR-2323
COMPONENT	SKIRT	LOT NO.		DATE	9/24/63
MODEL NO.	WS-133	DRAWING NO.	25-36080-1	PREPARED	JIM HILL
SERIAL NO.	0000452	U.O. MISSILE	930	APPROVED	G. OGARD

LINE	EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
			WEIGHT	X AXIS		Y AXIS		Z AXIS	
	PART NO.	DESCRIPTION OF EQUIPMENT		ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1									
2	25-36080-1	Body Section (As Weighed)	274.65	68.87	18,914.6	100.54	27,612.7	100.61	27,632.3
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36080-1	Body Section (Complete)	274.65	68.87	18,914.6	100.54	27,612.7	100.61	27,632.3
12									
13									
14									
15									
16									
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6.3.36 WEIGHT AND BALANCE CHANGE RECORD

ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AF04(694)-046	REPORT NO.	QPR-2327
COMPONENT	SKIRT	LOT NO.		DATE	9/27/63
MODEL NO.	WS-133	DRAWING NO.	25-36080-1	PREPARED	JIM HILL
SERIAL NO.	0000453	U.O. MISSILE	934	APPROVED	G. OGARD

LINE	EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
			WEIGHT	X AXIS		Y AXIS		Z AXIS	
	PART NO.	DESCRIPTION OF EQUIPMENT		ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1									
2	25-36080-1	Body Section (As Weighed)	276.15	68.81	19,002.5	100.65	27,795.3	100.58	27,775.0
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36080-1	Body Section (Complete)	276.15	68.81	19,002.5	100.65	27,795.3	100.58	27,775.0
12									
13									
14									
15									
16									
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BOEING NO. D2-13246-10

6.3.37

WEIGHT AND BALANCE CHANGE RECORD

ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AF04(694)-046	REPORT NO.	OPR-2331
COMPONENT	SKIRT	LOT NO.		DATE	10/1/63
MODEL NO.	WS-133	DRAWING NO.	25-36080-1	PREPARED	JIM HILL
SERIAL NO.	0000454	U.O. MISSILE	939	APPROVED	G. OGARD

LINE	EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
			WEIGHT	X AXIS		Y AXIS		Z AXIS	
	PART NO.	DESCRIPTION OF EQUIPMENT		ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1									
2	25-36080-1	Body Section (As Weighed)	275.80	68.86	18,991.7	100.49	27,715.0	100.59	27,741.8
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36080-1	Body Section (Complete)	275.80	68.86	18,991.7	100.49	27,715.0	100.59	27,741.8
12									
13									
14									
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16									
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BOEING NO D2-13946-10

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6.3.38 WEIGHT AND BALANCE CHANGE RECORD

ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AF04(694)-046	REPORT NO.	GPR-2333
COMPONENT	SKIRT	LOT NO.		DATE	10/1/63
MODEL NO.	WS-133	DRAWING NO.	25-36080-1	PREPARED	JIM HILL
SERIAL NO.	0000455	U.O. MISSILE	941	APPROVED	G. OGARD

LINE	EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
			WEIGHT	X AXIS		Y AXIS		Z AXIS	
	PART NO.	DESCRIPTION OF EQUIPMENT		ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1									
2	25-36080-1	Body Section (As Weighed)	275.35	68.87	18,964.3	100.51	27,675.4	100.63	27,709.5
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36080-1	Body Section (Complete)	275.35	68.87	18,964.3	100.51	27,675.4	100.63	27,709.5
12									
13									
14									
15									
16									
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6.3.39

WEIGHT AND BALANCE CHANGE RECORD

ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AF04(694)-046	REPORT NO.	QPR-2336
COMPONENT	SKIRT	LOT NO.		DATE	10/7/63
MODEL NO.	WS-133	DRAWING NO.	25-36080-1	PREPARED	JIM HILL
SERIAL NO.	0000456	U.O. MISSILE	944	APPROVED	G. O'ARD

LINE	EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
			WEIGHT	X AXIS		Y AXIS		Z AXIS	
	PART NO.	DESCRIPTION OF EQUIPMENT		ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1									
2	25-36080-1	Body Section (As Weighed)	274.15	68.88	18,884.6	100.37	27,515.6	100.69	27,604.1
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36080-1	Body Section (Complete)	274.15	68.88	18,884.6	100.37	27,515.6	100.69	27,604.1
12									
13									
14									
15									
16									
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6.3.40

WEIGHT AND BALANCE CHANGE RECORD

ASSOCIATE CONTRACTOR	BOEING	CONTRACT NO.	AF04(694)-046	REPORT NO.	OPR-2424
COMPONENT	SKIRT	LOT NO.		DATE	9/24/63
MODEL NO.	WS-133	DRAWING NO.	25-36080-1	PREPARED	JIM HILL
SERIAL NO.	0000523	U.O. MISSILE	931	APPROVED	G. OGARD

LINE	EQUIPMENT CHANGE RECORD		WEIGHT AND BALANCE						
			WEIGHT	X AXIS		Y AXIS		Z AXIS	
	PART NO.	DESCRIPTION OF EQUIPMENT		ARM	MOMENT	ARM	MOMENT	ARM	MOMENT
1									
2	25-36080-1	Body Section (As Weighed)	273.60	68.90	18,852.1	100.53	27,505.9	100.57	27,514.7
3									
4									
5		ADD:	0						
6									
7									
8		DEDUCT:	0						
9									
10									
11	25-36080-1	Body Section (Complete)	273.60	68.90	18,852.1	100.53	27,505.9	100.57	27,514.7
12									
13									
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15									
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6.4 BASE HEAT DEFLECTORS

SERIAL NUMBERS	25-36379-1	25-36378-1	25-36377-1
0000353	5.98 lb.	15.42 lb.	24.61 lb.
0000354	5.98	15.31	25.20
0000355	5.92	15.46	25.26
0000409	5.79	15.34	25.13
0000410	5.94	15.30	25.69
0000415	5.97	15.44	25.18
0000416	6.03	15.41	25.60
0000417	5.95	15.47	25.73
0000418	5.93	15.39	25.63
0000419	5.99	15.56	24.83
0000420	5.98	15.48	25.22
0000425	5.95	15.45	25.04
0000426	6.00	15.43	25.46
0000427	6.02	15.31	25.46
0000428	6.00	15.51	25.46
0000429	5.89	15.37	25.39
0000430	5.90	14.95	25.32
0000431	6.00	15.37	25.53
0000432	6.07	15.61	25.32
0000433	5.95	15.39	25.50
0000434	5.91	15.46	25.28
0000435	5.94	15.33	24.83
0000436	6.00	15.57	24.95
0000437	6.02	15.44	25.45
0000438	5.97	15.49	25.50
0000439	6.07	15.42	25.83
0000440	5.82	15.50	25.21
0000441	6.04	15.39	25.50
0000442	6.04	15.36	25.51
0000443	6.00	15.55	25.31
0000444	5.92	15.44	25.15
0000445	5.98	15.32	25.61
0000446	5.85	15.50	25.31
0000451	5.84	15.41	25.41
0000452	6.00	15.44	25.27

6.4 BASE HEAT DEFLECTORS (CONT.)

SERIAL NUMBERS	25-36379-1	25-36378-1	25-36377-1
0000453	6.06 lb.	15.44 lb.	25.27 lb.
0000454	5.98	15.01	25.21
0000455	6.02	15.50	25.20
0000456	5.90	15.38	25.44
0000523	5.99	15.46	25.15

7.0 CONVERSION INDEX

Listed on the following pages by production serial number is a Conversion Index showing missile number and the Mass Properties Report in which data may be found.

The following list covers serial numbers listed in D2-13946-1 thru D2-13946-10.

In following reports only those serial numbers listed in the newly released reports will appear.

7.0

Serial No.	Missile	D2-13946-	Serial No.	Missile	D2-13946-
0000187	611	3	0000223	719	5
0000188	618	3	0000224	721	5
0000189	641	3	0000225	724	5
0000190	787	7	0000226	727	5
0000191	GTM-021	1	0000227	732	5
0000192	625	3	0000228	735	5
0000193	GTM-020	2	0000229	737	5
0000194	632	3	0000230	740	6
0000195	639	3	0000231	687	4
0000196	644	3	0000232	706	5
0000197	646	3	0000233	726	5
0000198	648	3	0000234	775	6
0000199	655	4	0000235	723	5
0000200	660	4	0000236	725	5
0000201	667	4	0000237	729	5
0000202	669	4	0000238	734	5
0000203	674	4	0000239	738	5
0000204	676	4	0000240	741	6
0000205	681	4	0000241	744	6
0000206	686	4	0000242	748	6
0000207	690	5	0000243	751	6
0000208	697	5	0000244	754	6
0000209	702	5	0000245	728	5
0000210	707	5	0000246	730	5
0000211	679	4	0000247	733	5
0000212	683	4	0000248	736	5
0000213	688	5	0000249	739	6
0000214	693	5	0000250	742	6
0000215	700	5	0000251	746	6
0000216	704	5	0000252	749	6
0000217	709	5	0000253	752	6
0000218	712	5	0000254	755	6
0000219	716	5	0000255	743	6
0000220	720	5	0000256	747	6
0000221	711	5	0000257	750	6
0000222	714	5	0000258	753	6

7.0

Serial No.	Missile	D2-13946-	Serial No.	Missile	D2-13946-
0000259	756	6	0000295	792	7
0000260	760	6	0000296	795	7
0000261	763	6	0000297	799	7
0000262	766	6	0000298	802	7
0000263	769	6	0000299	805	7
0000264	773	6	0000300	809	7
0000265	758	6	0000301	811	7
0000266	761	6	0000302	814	7
0000267	764	6	0000303	818	7
0000268	767	6	0000304	821	7
0000269	772	6	0000305	793	7
0000270	774	6	0000306	796	7
0000271	779	6	0000307	800	7
0000272	782	6	0000308	803	7
0000273	785	6	0000309	806	7
0000274	789	7	0000310	810	7
0000275	757	6	0000311	812	7
0000276	762	6	0000312	815	7
0000277	765	6	0000313	819	7
0000278	768	6	0000314	822	7
0000279	771	6	0000315	824	7
0000280	777	6	0000316	827	7
0000281	780	6	0000317	831	8
0000282	783	6	0000318	834	8
0000283	786	6	0000319	837	8
0000284	790	7	0000320	840	8
0000285	778	6	0000321	844	8
0000286	781	6	0000322	847	8
0000287	784	6	0000323	850	8
0000288	788	7	0000324	853	8
0000289	791	7	0000325	825	7
0000290	794	7	0000326	828	7
0000291	797	7	0000327	832	8
0000292	801	7	0000328	835	8
0000293	804	7	0000329	838	8
0000294	807	7	0000330	841	8

7.0

Serial No.	Missile	D2-13946-	Serial No.	Missile	D2-13946-
0000331	845	8	0000380	846	8
0000332	848	8	0000381	849	8
0000333	851	8	0000382	852	8
0000334	854	8	0000383	856	8
0000335	857	8	0000384	859	8
0000336	860	8	0000385	861	8
0000337	862	8	0000386	864	8
0000338	865	9	0000387	867	9
0000339	868	9	0000388	871	9
0000340	872	9	0000389	875	9
0000341	874	9	0000390	877	9
0000342	878	9	0000391	863	8
0000343	881	9	0000392	866	9
0000344	885	9	0000393	869	9
0000345	808	7	0000394	873	9
0000346	722	5	0000395	876	9
0000347	829	8	0000396	879	9
0000348	842	8	0000397	882	9
0000349	759	6	0000398	886	9
0000350	870	9	0000399	888	9
0000351	883	9	0000400	890	9
0000352	898	9	0000401	880	9
0000353	911	10	0000402	884	9
0000354	921	10	0000403	887	9
0000355	935	10	0000404	889	9
0000356	695	5	0000405	891	9
0000357	718	5	0000406	895	9
0000371	817	7	0000407	899	9
0000372	820	7	0000408	902	9
0000373	823	7	0000409	905	10
0000374	826	7	0000410	908	10
0000375	830	8	0000411	892	9
0000376	833	8	0000412	896	9
0000377	836	8	0000413	900	9
0000378	839	8	0000414	903	9
0000379	843	8	0000415	906	10

7.0

Serial No.	Missile	D2-13946-
0000416	909	10
0000417	913	10
0000418	916	10
0000419	919	10
0000420	923	10
0000421	893	9
0000422	897	9
0000423	901	9
0000424	904	9
0000425	907	10
0000426	910	10
0000427	914	10
0000428	917	10
0000429	920	10
0000430	924	10
0000431	912	10
0000432	915	10
0000433	918	10
0000434	922	10
0000435	925	10
0000436	926	10
0000437	932	10
0000438	936	10
0000439	937	10
0000440	042	10
0000441	927	10
0000442	929	10
0000443	933	10
0000444	038	10
0000445	940	10
0000446	943	10
0000451	928	10
0000452	930	10
0000453	934	10
0000454	939	10
0000455	941	10
0000456	944	10
0000521	855	8
0000522	894	9
0000523	931	10
0000915	653	4
0000916	813	7
0000917	622	4

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