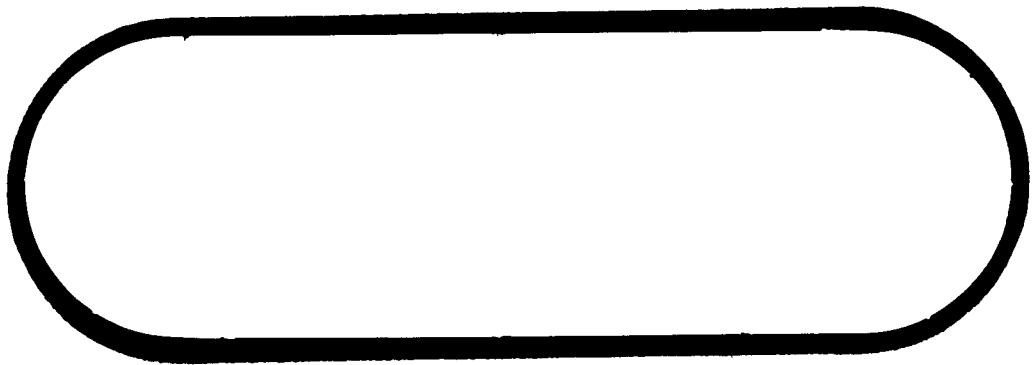


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TITLE AIR FORCE PLANT 77 FLIGHT ARTICLE MASS PROPERTIES

REPORT FOR WING I MISSILES 684 THRU 718

MODEL NO. SM-80 CONTRACT NO. AF 04(694)-46

ISSUE NO. 12 ISSUED TO RLC

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SUMMARY

This document is prepared in accordance with BSD Exhibit 62-110 dated 3 August 1962, "Missile Assembly Facility Requirements for Mass Properties Data." It contains the nominal sealant weight and balance summary for Wing I missiles, the weight effect of all changes incorporated at Plant 77 not reported in D2-13944-XXX, and a configuration page for each missile included in this report.

This report covers Wing I missile 684 through 718.

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1.0 INTRODUCTION

1.1.1 CCN 258 to AF 04(647)-580.

1.1.2 BSD Exhibit 62-110 dated 3 August 1962, Missile Assembly Facility Requirements for Mass Properties Data.

1.1.3 Boeing Document D2-13944-XXX, "Flight Article Mass Properties Report for Minuteman Wing I Components, Missiles XXX".

1.2 DISCUSSION

This Mass Properties Report is presented in accordance with Section 3.2 reference 1.1.2.

Page 7 is the nominal weight and balance summary of Boeing sealant added at Plant 77.

Page 8 of this report lists the nominal weight and balance of Autonetics sealant.

Page 9 (Boeing responsibility Change Sheet) lists all the Boeing responsibility changes incorporated in the missile at time of delivery, not reported in reference 1.1.3.

Page 10 through 27 are Configuration Summaries listing the serial numbers of major components for missiles included in this report.

2.1 WEIGHT AND BALANCE SUMMARY • BOEING SEALANT INSTALLED AT AF PLANT 77 (NOMINAL WEIGHT)						REPORT NO. D2-13945-684				
						DATE July 1, 1963				
INCHES	FEET	DESCRIPTION	DATA	EXPENDED WEIGHT (LB)	TOTAL WEIGHT (LB)	CENTER OF GRAVITY			INERTIA	
						LONG.*	LAT.	VERT.	SLUG FT ² X10-	PITS
1	41	RV Spacer								
2			Silo							
3			Aero							
4	39	CTLI Section								
5			Silo							
6			Aero							
7	42	G&C Section								
8			Silo							
9			Aero							
10	44	3rd Stage Engine			1.99	85.6	108.6	114.9		
11			Silo							
12			Aero							
13			Base							
14	45	Interstage 2-3			2.42	60.3	105.1	105.2		
15		(Fwd)	Silo							
16			Aero							
17			Base							
18			Silo							
19		Jettisoned	Aero							
20		Portion	Base							
21			Jett	1.65		60.7	102.8	102.0		
22	45	Interstage 2-3			.53	85.0	103.0	101.8		
23		(Aft)	Silo							
24			Aero							
25	46	2nd Stage Engine			1.92	112.7	109.8	117.0		
26			Silo							
27			Aero							
28			Base							
29	47	Interstage 1-2			2.31	65.0	103.9	106.8		
30		(Fwd)	Silo							
31			Aero							
32			Base							
33			Silo							
34		Jettisoned	Aero							
35		Portion	Base							
36			Jett	1.57		65.0	99.6	102.2		
37	47	Interstage 1-2			.70	94.7	102.0	103.4		
38		(Aft)	Silo							
39			Aero							
40	48	1st Stage Engine			4.92	166.9	115.7	127.2		
41			Silo							
42			Aero							
43			Base							
44	49	Skirt			8.44	66.3	101.7	103.0		
45			Silo							
46			Aero							
47			Base							
48		MISSILE			23.23					
49			Silo							
50			Aero							
51			Base							
52			Jett							

*Boeing Section Stations (See Missile Diagram)
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2.2 WEIGHT AND BALANCE SUMMARY - AUTONETICS SEALANT INSTALLED AT AF PLANT 77. (NOMINAL WEIGHT)						REPORT NO. D2-13945-684		DATE July 1, 1963		
ITEM	STATION	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								
8			Silo							
9			Aero							
10	44	3rd Stage Engine			.85	118.0	100.0	100.0		
11			Silo							
12			Aero							
13			Base							
14	45	Interstage 2-3								
15		(Fwd)	Silo							
16			Aero							
17			Base							
18			Silo							
19		Jettisoned	Aero							
20		Portion	Base							
21			Jett							
22	45	Interstage 2-3								
23		(Aft)	Silo							
24			Aero							
25	46	2nd Stage Engine			1.39	170.7	100.0	100.0		
26			Silo							
27			Aero							
28			Base							
29	47	Interstage 1-2								
30		(Fwd)	Silo							
31			Aero							
32			Base							
33			Silo							
34		Jettisoned	Aero							
35		Portion	Base							
36			Jett							
37	47	Interstage 1-2								
38		(Aft)	Silo							
39			Aero							
40	48	1st Stage Engine			1.64	293.1	100.0	100.0		
41			Silo							
42			Aero							
43			Base							
44	49	Skirt								
45			Silo							
46			Aero							
47			Base							
48		MISSILE			3.88					
49			Silo							
50			Aero							
51			Base							
52			Jett							

* Boozing Section Stations (See Missile Diagram).
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3.0 BOEING CHANGES MISSILE S/N 684 THRU 718				REPORT NO. D2-13945-684 DATE July 1, 1963			
The following changes were made on the Boeing Components at Air Force Plant 77: These changes were not reported in D2-13944-XXX.							
MISSILE SECTION	ITEM AFFECTED	PART NO.	CHANGE NO.	WEIGHT CHANGE	HORIZ. C.G.	LAT. C.G.	VERT. C.G.
<u>ECP 620</u>							
44 4c	Inst. Kit-Electr. Cable	25-27523	ECP 620	+0.01	62.3	106.4	118.0
47 7b	I-II Interstage Instl.	25-27202	ECP 620	+0.26	49.5	100.0	100.0
49 9b	Sect. 49 Skirt Instl.	25-27208	ECP 620	+0.51	49.6	100.0	100.0
<u>ECP 540</u>							
Raceway sealing was not accomplished on CML missile 63-174 (698) & 63-175 (710) at Plant 77 per ECP 540.							
See applicable footnote section 5.0 of D2-13944-XXX							

4.1 CONFIGURATION SUMMARY		REPORT NO. <u>D2-13945-684</u>	
MISSILE S/N <u>63-143 (684)</u>		DATE <u>July 1, 1963</u>	
COMPONENT		PART NO.	SERIAL NO.
Battery Assembly	Stage 3	66602-107	*
G&C Navigation Set	Stage 3	85011-106-11	*
Cable Assembly-Electrical	Stage 3	25190-102	AAT0177
Flight Control Unit	Stage 3	25174-102	AAQ0167
Motor	Stage 3	4829-7	0031160
Heat Deflector Support	Stage 3	25-25878-2	0000149
Interstage Assembly-Insulated	Stage 2-3	25-27204-64	0000145
Angular Accelerometer Unit	Stage 2	25170-102	AAM0195
Battery Assembly	Stage 2	66603-107	AAV0402
Cable Assembly-Electrical	Stage 2	25189-102-11	AAS0170
Flight Control Unit	Stage 2	25173-102	AAPO002
Motor	Stage 2	366466-9	0021145
Heat Deflector Support	Stage 2	25-25877-2	0000179
Interstage Assembly-Insulated	Stage 1-2	25-27201-11	0000150
Battery Assembly	Stage 1	66603-107	AAV0339
Cable Assembly-Electrical	Stage 1	25188-102	AAR0177
Flight Control Unit	Stage 1	25172-102-11	AAN0167
Motor	Stage 1	U31500-28	0011158
Heat Deflector Support	Stage 1	25-25876-2	0000152
Skirt Assembly	Stage 1	25-27207-3	0000179
*Not installed at Plant 77			

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4.2 CONFIGURATION SUMMARY		REPORT NO.	D2-13945- 684
MISSILE S/N 63-144 (685)		DATE	July 1, 1963
COMPONENT		PART NO.	SERIAL NO.
Battery Assembly	Stage 3	66602-107	*
Q&C Navigation Set	Stage 3	85011-106-11	*
Cable Assembly-Electrical	Stage 3	25190-102	AAT0178
Flight Control Unit	Stage 3	25174-102	AAQ0002
Motor	Stage 3	4829-7	0031132
Heat Deflector Support	Stage 3	25-25878-2	0000153
Interstage Assembly-Insulated	Stage 2-3	25-27204-64	0000159
Angular Accelerometer Unit	Stage 2	25170-102	AAM0203
Battery Assembly	Stage 2	66603-107	AAV0345
Cable Assembly-Electrical	Stage 2	25189-102-11	AAS0173
Flight Control Unit	Stage 2	25173-102	AAP0071
Motor	Stage 2	366466-9	0021165
Heat Deflector Support	Stage 2	25-25877-2	0000147
Interstage Assembly-Insulated	Stage 1-2	25-27201-11	0000149
Battery Assembly	Stage 1	66603-107	AAV0340
Cable Assembly-Electrical	Stage 1	25188-102	AAR0179
Flight Control Unit	Stage 1	25172-102-11	AAN0115
Motor	Stage 1	U31500-28	0011160
Heat Deflector Support	Stage 1	25-25876-2	0000156
Skirt Assembly	Stage 1	25-27207-3	0000159
*Not installed at Plant 77			

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4.3 CONFIGURATION SUMMARY		REPORT NO. <u>D2-13945-684</u>	
MISSILE S/N <u>63-145 (689)</u>		DATE <u>July 1, 1963</u>	
COMPONENT		PART NO.	SERIAL NO.
Battery Assembly	Stage 3	66602-107	*
G&C Navigation Set	Stage 3	85011-106-11	*
Cable Assembly-Electrical	Stage 3	25190-102	AAT0180
Flight Control Unit	Stage 3	25174-102	AAQ0058
Motor	Stage 3	4829-7	0031162
Heat Deflector Support	Stage 3	25-25878-2	0000150
Interstage Assembly-Insulated	Stage 2-3	25-27204-64	0000181
Angular Accelerometer Unit	Stage 2	25170-102	AAM0205
Battery Assembly	Stage 2	66603-107	AAV0403
Cable Assembly-Electrical	Stage 2	25189-102-11	AAS0174
Flight Control Unit	Stage 2	25173-102	AAP0152
Motor	Stage 2	366466-9	0021164
Heat Deflector Support	Stage 2	25-25877-2	0000171
Interstage Assembly-Insulated	Stage 1-2	25-27201-11	0000132
Battery Assembly	Stage 1	66603-107	AAV0346
Cable Assembly-Electrical	Stage 1	25188-102	AAR0178
Flight Control Unit	Stage 1	25172-102-11	AAN0042
Motor	Stage 1	U31500-28	0011162
Heat Deflector Support	Stage 1	25-25876-2	0000151
Skirt Assembly	Stage 1	25-27207-3	0000157
*Not installed at Plant 77			

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4.4 CONFIGURATION SUMMARY		REPORT NO.	D2-13945-684
MISSILE S/N 63-146 (691)		DATE	July 1, 1963
COMPONENT		PART NO.	SERIAL NO.
Battery Assembly	Stage 3	66602-107	*
G&C Navigation Set	Stage 3	85011-106-11	*
Cable Assembly-Electrical	Stage 3	25190-102	AAT0179
Flight Control Unit	Stage 3	25174-102	AAQ0162
Motor	Stage 3	4829-7	0031161
Heat Deflector Support	Stage 3	25-25878-2	0000153
Interstage Assembly-Insulated	Stage 2-3	25-27204-64	0000154
Angular Accelerometer Unit	Stage 2	25170-102	AAM0201
Battery Assembly	Stage 2	66603-107	AAV0408
Cable Assembly-Electrical	Stage 2	25189-102-11	AAS0169
Flight Control Unit	Stage 2	25173-102	AAP0168
Motor	Stage 2	366466-9	0021163
Heat Deflector Support	Stage 2	25-25877-2	0000151
Interstage Assembly-Insulated	Stage 1-2	25-27201-11	0000186
Battery Assembly	Stage 1	66603-107	AAV0406
Cable Assembly-Electrical	Stage 1	25188-102	AAR0135
Flight Control Unit	Stage 1	25172-102-11	AAN0170
Motor	Stage 1	U31500-28	0011161
Heat Deflector Support	Stage 1	25-25876-2	0000155
Skirt Assembly	Stage 1	25-27207-3	0000171
*Not installed at Plant 77			

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4.5 CONFIGURATION SUMMARY		REPORT NO.	D2-13945-684
MISSILE S/N 63-164 (692)		DATE	July 1, 1963
COMPONENT		PART NO.	SERIAL NO.
Battery Assembly	Stage 3	66602-107	*
G&C Navigation Set	Stage 3	85011-106-11	*
Cable Assembly-Electrical	Stage 3	25190-102	AAT0129
Flight Control Unit	Stage 3	25174-102	AAQ0164
Motor	Stage 3	4829-7	0031111
Heat Deflector Support	Stage 3	25-25878-2	0000181
Interstage Assembly-Insulated	Stage 2-3	25-27204-64	0000158
Angular Accelerometer Unit	Stage 2	25170-102	AAM0208
Battery Assembly	Stage 2	66603-107	AAV0413
Cable Assembly-Electrical	Stage 2	25189-102-11	AAS0166
Flight Control Unit	Stage 2	25173-102	AAPO072
Motor	Stage 2	366466-9	0021162
Heat Deflector Support	Stage 2	25-25877-2	0000154
Interstage Assembly-Insulated	Stage 1-2	25-27201-11	0000153
Battery Assembly	Stage 1	66603-107	AAV0414
Cable Assembly-Electrical	Stage 1	25188-102	AAR0180
Flight Control Unit	Stage 1	25172-102-11	AAN0168
Motor	Stage 1	U31500-28	0011164
Heat Deflector Support	Stage 1	25-25876-2	0000171
Skirt Assembly	Stage 1	25-27207-3	0000153
*Not installed at Plant 77.			

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4.6 CONFIGURATION SUMMARY		REPORT NO.	D2-13945- 684
MISSILE S/N 63-147 (694)		DATE	July 1, 1963
COMPONENT		PART NO.	SERIAL NO.
Battery Assembly	Stage 3	66602-107	*
G&C Navigation Set	Stage 3	85011-106-11	*
Cable Assembly-Electrical	Stage 3	25190-102	AAT0183
Flight Control Unit	Stage 3	25174-102	AAQ0149
Motor	Stage 3	4829-7	0031150
Heat Deflector Support	Stage 3	25-25878-2	0000139
Interstage Assembly-Insulated	Stage 2-3	25-27204-64	0000171
Angular Accelerometer Unit	Stage 2	25170-102	AAM0214
Battery Assembly	Stage 2	66603-107	AAV0422
Cable Assembly-Electrical	Stage 2	25189-102-11	AAS0176
Flight Control Unit	Stage 2	25173-102	AAPO169
Motor	Stage 2	366466-9	0021167
Heat Deflector Support	Stage 2	25-25877-2	0000180
Interstage Assembly-Insulated	Stage 1-2	25-27201-11	0000163
Battery Assembly	Stage 1	66603-107	AAV0421
Cable Assembly-Electrical	Stage 1	25188-102	AAR0148
Flight Control Unit	Stage 1	25172-102-11	AAN0169
Motor	Stage 1	U31500-28	0011163
Heat Deflector Support	Stage 1	25-25876-2	0000154
Skirt Assembly	Stage 1	25-27207-3	0000154
*Not installed at Plant 77			

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4.7 CONFIGURATION SUMMARY		REPORT NO. <u>D2-13945-684</u>	
MISSILE S/N <u>63-148 (696)</u>		DATE <u>July 1, 1963</u>	
COMPONENT		PART NO.	SERIAL NO.
Battery Assembly	Stage 3	66602-107	*
G&C Navigation Set	Stage 3	85011-106-11	*
Cable Assembly-Electrical	Stage 3	25190-102	AAT0182
Flight Control Unit	Stage 3	25174-102	AAQ0168
Motor	Stage 3	4829-7	0031163
Heat Deflector Support	Stage 3	25-25878-2	0000154
Interstage Assembly-Insulated	Stage 2-3	25-27204-64	0000151
Angular Accelerometer Unit	Stage 2	25170-102	AAM0209
Battery Assembly	Stage 2	66603-107	AAV0424
Cable Assembly-Electrical	Stage 2	25189-102-11	AAS0167
Flight Control Unit	Stage 2	25173-102	AAPO113
Motor	Stage 2	366466-9	0021171
Heat Deflector Support	Stage 2	25-25877-2	0000153
Interstage Assembly-Insulated	Stage 1-2	25-27201-11	0000158
Battery Assembly	Stage 1	66603-107	AAV0423
Cable Assembly-Electrical	Stage 1	25188-102	AAR0182
Flight Control Unit	Stage 1	25172-102-11	AAN0051
Motor	Stage 1	U31500-28	0011165
Heat Deflector Support	Stage 1	25-25876-2	0000153
Skirt Assembly	Stage 1	25-27207-3	0000146
*Not installed at Plant 77			

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4.8 CONFIGURATION SUMMARY		REPORT NO. <u>D2-13945-684</u>	
MISSILE S/N <u>63-174 (698)</u>		DATE <u>July 1, 1963</u>	
COMPONENT		PART NO.	SERIAL NO.
Battery Assembly	Stage 3	66602-107	*
G&C Navigation Set	Stage 3	85011-106-11	*
Cable Assembly-Electrical	Stage 3	25190-102	AAT0181
Flight Control Unit	Stage 3	25174-102	AAQ0039
Motor	Stage 3	4829-7	0031166
Heat Deflector Support	Stage 3	25-25878-2	0000171
Interstage Assembly-Insulated	Stage 2-3	25-27204-64	0000156
Angular Accelerometer Unit	Stage 2	25170-102	AAM0211
Battery Assembly	Stage 2	66603-107	AAV0416
Cable Assembly-Electrical	Stage 2	25189-102-11	AAS0168
Flight Control Unit	Stage 2	25173-102	AAP0170
Motor	Stage 2	366466-9	0021161
Heat Deflector Support	Stage 2	25-25877-2	0000156
Interstage Assembly-Insulated	Stage 1-2	25-27201-11	0000181
Battery Assembly	Stage 1	66603-107	AAV0415
Cable Assembly-Electrical	Stage 1	25188-102	AAR0183
Flight Control Unit	Stage 1	25172-102-11	AAN0093
Motor	Stage 1	U31500-28	0011168
Heat Deflector Support	Stage 1	25-25876-2	0000145
Skirt Assembly	Stage 1	25-27207-3	0000180
*Not installed at Plant 77			

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4.9 CONFIGURATION SUMMARY		REPORT NO. <u>D2-13945684</u>	
MISSILE S/N <u>63-149 (699)</u>		DATE <u>July 1, 1963</u>	
COMPONENT		PART NO.	SERIAL NO.
Battery Assembly	Stage 3	66602-107	*
G&C Navigation Set	Stage 3	85011-106-11	*
Cable Assembly-Electrical	Stage 3	25190-102	AAT0185
Flight Control Unit	Stage 3	25174-102	AAQ0169
Motor	Stage 3	4829-7	0031165
Heat Deflector Support	Stage 3	25-25878-2	0000151
Interstage Assembly-Insulated	Stage 2-3	25-27204-64	0000155
Angular Accelerometer Unit	Stage 2	25170-102	AAM0212
Battery Assembly	Stage 2	66603-107	AAV0526
Cable Assembly-Electrical	Stage 2	25189-102-11	AAS0134
Flight Control Unit	Stage 2	25173-102	AAP0166
Motor	Stage 2	366466-9	0021160
Heat Deflector Support	Stage 2	25-25877-2	0000160
Interstage Assembly-Insulated	Stage 1-2	25-27201-11	0000161
Battery Assembly	Stage 1	66603-107	AAV0496
Cable Assembly-Electrical	Stage 1	25188-102	AAR0185
Flight Control Unit	Stage 1	25172-102-11	AAN0073
Motor	Stage 1	U31500-28	0011167
Heat Deflector Support	Stage 1	25-25876-2	0000157
Skirt Assembly	Stage 1	25-27207-3	0000181
*Not installed at Plant 77			

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4.10 CONFIGURATION SUMMARY		REPORT NO.	D2-13945- 684
MISSILE S/N 63-150 (701)		DATE	July 1, 1963
COMPONENT		PART NO.	SERIAL NO.
Battery Assembly	Stage 3	66602-107	*
G&C Navigation Set	Stage 3	85011-106-11	*
Cable Assembly-Electrical	Stage 3	25190-102	AAT0184
Flight Control Unit	Stage 3	25174-102	AAQ0173
Motor	Stage 3	4829-7	0031167
Heat Deflector Support	Stage 3	25-25878-2	0000152
Interstage Assembly-Insulated	Stage 2-3	25-27204-64	0000157
Angular Accelerometer Unit	Stage 2	25170-102	AAM0210
Battery Assembly	Stage 2	66603-107	AAV0505
Cable Assembly-Electrical	Stage 2	25189-102-11	AAS0175
Flight Control Unit	Stage 2	25173-102	AAP0172
Motor	Stage 2	366466-9	0021170
Heat Deflector Support	Stage 2	25-25877-2	0000157
Interstage Assembly-Insulated	Stage 1-2	25-27201-11	0000131
Battery Assembly	Stage 1	66603-107	AAV0518
Cable Assembly-Electrical	Stage 1	25188-102	AAR0130
Flight Control Unit	Stage 1	25172-102-11	AAN0172
Motor	Stage 1	U31500-28	0011166
Heat Deflector Support	Stage 1	25-25876-2	0000182
Skirt Assembly	Stage 1	25-27207-3	0000156
*Not installed at Plant 77			

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4.11 CONFIGURATION SUMMARY		REPORT NO. <u>D2-13945-684</u>	
MISSILE S/N <u>63-151 (703)</u>		DATE <u>July 1, 1963</u>	
COMPONENT		PART NO.	SERIAL NO.
Battery Assembly	Stage 3	66602-107	*
G&C Navigation Set	Stage 3	85011-106-11	*
Cable Assembly-Electrical	Stage 3	25190-102	AAT0187
Flight Control Unit	Stage 3	25174-102	AAQ0170
Motor	Stage 3	4829-7	0031164
Heat Deflector Support	Stage 3	25-25878-2	0000158
Interstage Assembly-Insulated	Stage 2-3	25-27204-64	0000180
Angular Accelerometer Unit	Stage 2	25170-102	AAM0218
Battery Assembly	Stage 2	66603-107	AAV0520
Cable Assembly-Electrical	Stage 2	25189-102-11	AAS0021
Flight Control Unit	Stage 2	25173-102	AAP0173
Motor	Stage 2	366466-9	0021169
Heat Deflector Support	Stage 2	25-25877-2	0000159
Interstage Assembly-Insulated	Stage 1-2	25-27201-11	0000156
Battery Assembly	Stage 1	66603-107	AAV0498
Cable Assembly-Electrical	Stage 1	25183-102	AAR0181
Flight Control Unit	Stage 1	25172-102-11	AAN0173
Motor	Stage 1	U31500-28	0011159
Heat Deflector Support	Stage 1	25-25876-2	0000181
Skirt Assembly	Stage 1	25-27207-3	0000158
*Not installed at Plant 77			

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4.12 CONFIGURATION SUMMARY		REPORT NO.	D2-13945-684
MISSILE S/N 63-152 (705)		DATE	July 1, 1963
COMPONENT		PART NO.	SERIAL NO.
Battery Assembly	Stage 3	66602-107	*
G&C Navigation Set	Stage 3	85011-106-11	*
Cable Assembly-Electrical	Stage 3	25190-102	AAT0186
Flight Control Unit	Stage 3	25174-102	AAQ0172
Motor	Stage 3	4829-7	0031168
Heat Deflector Support	Stage 3	25-25878-2	0000161
Interstage Assembly-Insulated	Stage 2-3	25-27204-64	0000186
Angular Accelerometer Unit	Stage 2	25170-102	AAM0221
Battery Assembly	Stage 2	66603-107	AAV0514
Cable Assembly-Electrical	Stage 2	25189-102-11	AAS0177
Flight Control Unit	Stage 2	25173-102	AAP0171
Motor	Stage 2	366466-9	0021166
Heat Deflector Support	Stage 2	25-25877-2	0000152
Interstage Assembly-Insulated	Stage 1-2	25-27201-11	0000152
Battery Assembly	Stage 1	66603-107	AAV0502
Cable Assembly-Electrical	Stage 1	25188-102	AAR0187
Flight Control Unit	Stage 1	25172-102-11	AAN0171
Motor	Stage 1	U31500-28	0011151
Heat Deflector Support	Stage 1	25-25876-2	0000185
Skirt Assembly	Stage 1	25-27207-3	0000160
*Not installed at Plant 77			

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4.13 CONFIGURATION SUMMARY		REPORT NO.	D2-13945-684
MISSILE S/N <u>63-153 (708)</u>		DATE	July 1, 1963
COMPONENT		PART NO.	SERIAL NO.
Battery Assembly	Stage 3	66602-107	*
G&C Navigation Set	Stage 3	85011-106-11	*
Cable Assembly-Electrical	Stage 3	25190-102	AAT0190
Flight Control Unit	Stage 3	25174-102	AAQ0171
Motor	Stage 3	4829-7	0031169
Heat Deflector Support	Stage 3	25-25878-2	0000184
Interstage Assembly-Insulated	Stage 2-3	25-27204-64	0000152
Angular Accelerometer Unit	Stage 2	25170-102	AAM0224
Battery Assembly	Stage 2	66603-107	AAV0499
Cable Assembly-Electrical	Stage 2	25189-102-11	AAS0180
Flight Control Unit	Stage 2	25173-102	AAPO175
Motor	Stage 2	366466-9	0021172
Heat Deflector Support	Stage 2	25-25877-2	0000183
Interstage Assembly-Insulated	Stage 1-2	25-27201-11	0000160
Battery Assembly	Stage 1	66603-107	AAV0522
Cable Assembly-Electrical	Stage 1	25188-102	AAR0186
Flight Control Unit	Stage 1	25172-102-11	AAN0178
Motor	Stage 1	U31500-28	0011170
Heat Deflector Support	Stage 1	25-25876-2	0000180
Skirt Assembly	Stage 1	25-27207-3	0000184
*Not installed at Plant 77			

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4.14 CONFIGURATION SUMMARY		REPORT NO. <u>D2-13945-684</u>	
MISSILE S/N <u>63-175 (710)</u>		DATE <u>July 1, 1963</u>	
COMPONENT		PART NO.	SERIAL NO.
Battery Assembly	Stage 3	66602-107	*
G&C Navigation Set	Stage 3	85011-106-11	*
Cable Assembly-Electrical	Stage 3	25190-102	AAT0191
Flight Control Unit	Stage 3	25174-102	AAQ0177
Motor	Stage 3	4829-7	0031173
Heat Deflector Support	Stage 3	25-25878-2	0000162
Interstage Assembly-Insulated	Stage 2-3	25-27204-64	0000185
Angular Accelerometer Unit	Stage 2	25170-102	AAM0227
Battery Assembly	Stage 2	66603-107	AAV0504
Cable Assembly-Electrical	Stage 2	25189-102-11	AAS0185
Flight Control Unit	Stage 2	25173-102	AAP0179
Motor	Stage 2	366466-9	0021180
Heat Deflector Support	Stage 2	25-25877-2	0000186
Interstage Assembly-Insulated	Stage 1-2	25-27201-11	0000184
Battery Assembly	Stage 1	66603-107	AAV0500
Cable Assembly-Electrical	Stage 1	25188-102	AAR0184
Flight Control Unit	Stage 1	25172-102-11	AAN0175
Motor	Stage 1	U31500-24	0011047
Heat Deflector Support	Stage 1	25-25876-2	0000158
Skirt Assembly	Stage 1	25-27207-3	0000185
*Not installed at Plant 77.			

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4.15 CONFIGURATION SUMMARY		REPORT NO.	D2-13945-684
MISSILE S/N 63-154 (713)		DATE	July 1, 1963
COMPONENT		PART NO.	SERIAL NO.
Battery Assembly	Stage 3	66602-107	*
G&C Navigation Set	Stage 3	85011-106-11	*
Cable Assembly-Electrical	Stage 3	25190-102	AAT0188
Flight Control Unit	Stage 3	25174-102	AAQ0174
Motor	Stage 3	4829-7	0031170
Heat Deflector Support	Stage 3	25-25878-2	0000180
Interstage Assembly-Insulated	Stage 2-3	25-27204-64	0000153
Angular Accelerometer Unit	Stage 2	25170-102	AAM0219
Battery Assembly	Stage 2	66603-107	AAV0527
Cable Assembly-Electrical	Stage 2	25189-102-11	AAS0183
Flight Control Unit	Stage 2	25173-102	AAP0176
Motor	Stage 2	366466-9	0021168
Heat Deflector Support	Stage 2	25-25877-2	0000155
Interstage Assembly-Insulated	Stage 1-2	25-27201-11	0000157
Battery Assembly	Stage 1	66603-107	AAV0510
Cable Assembly-Electrical	Stage 1	25188-102	AAR0188
Flight Control Unit	Stage 1	25172-102-11	AAN0174
Motor	Stage 1	U31500-28	0011169
Heat Deflector Support	Stage 1	25-25876-2	0000183
Skirt Assembly	Stage 1	25-27207-3	0000161
*Not installed at Plant 77			

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4.16 CONFIGURATION SUMMARY		REPORT NO.	D2-13945-684
MISSILE S/N 63-155 (715)		DATE	July 1, 1963
COMPONENT		PART NO.	SERIAL NO.
Battery Assembly	Stage 3	66602-107	*
G&C Navigation Set	Stage 3	85011-106-11	*
Cable Assembly-Electrical	Stage 3	25190-102	AAT0010
Flight Control Unit	Stage 3	25174-102	AAQ0175
Motor	Stage 3	4829-7	0031171
Heat Deflector Support	Stage 3	25-25878-2	0000185
Interstage Assembly-Insulated	Stage 2-3	25-27204-64	0000184
Angular Accelerometer Unit	Stage 2	25170-102	AAM0220
Battery Assembly	Stage 2	66603-107	AAV0496
Cable Assembly-Electrical	Stage 2	25189-102-11	AAS0184
Flight Control Unit	Stage 2	25173-102	AAP0177
Motor	Stage 2	366466-9	0021176
Heat Deflector Support	Stage 2	25-25877-2	0000161
Interstage Assembly-Insulated	Stage 1-2	25-27201-11	0000155
Battery Assembly	Stage 1	66603-107	AAV0501
Cable Assembly-Electrical	Stage 1	25188-102	AAR0091
Flight Control Unit	Stage 1	25172-102-11	AAN0176
Motor	Stage 1	U31500-28	0011171
Heat Deflector Support	Stage 1	25-25876-2	0000186
Skirt Assembly	Stage 1	25-27207-3	0000162
*Not installed at Plant 77			

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4.17 CONFIGURATION SUMMARY		REPORT NO.	D2-13945-684
MISSILE S/N 63-156 (717)		DATE	July 1, 1963
COMPONENT		PART NO.	SERIAL NO.
Battery Assembly	Stage 3	66602-107	*
G&C Navigation Set	Stage 3	85011-106-11	*
Cable Assembly-Electrical	Stage 3	25190-102	AAT0189
Flight Control Unit	Stage 3	25174-102	AAQ0176
Motor	Stage 3	4829-7	0031172
Heat Deflector Support	Stage 3	25-25878-2	0000163
Interstage Assembly-Insulated	Stage 2-3	25-27204-64	0000183
Angular Accelerometer Unit	Stage 2	25170-102	AAM0228
Battery Assembly	Stage 2	66603-107	AAV0432
Cable Assembly-Electrical	Stage 2	25189-102-11	AAS0179
Flight Control Unit	Stage 2	25173-102	AAP0178
Motor	Stage 2	366466-9	0021175
Heat Deflector Support	Stage 2	25-25877-2	0000158
Interstage Assembly-Insulated	Stage 1-2	25-27201-11	0000162
Battery Assembly	Stage 1	66603-107	AAV0519
Cable Assembly-Electrical	Stage 1	25188-102	AAR0133
Flight Control Unit	Stage 1	25172-102-11	AAN0177
Motor	Stage 1	U31500-28	0011172
Heat Deflector Support	Stage 1	25-25876-2	0000163
Skirt Assembly	Stage 1	25-27207-3	0000155
*Not installed at Plant 77			

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4.18 CONFIGURATION SUMMARY		REPORT NO.	D2-13945-684
MISSILE S/N 63-165 (718)		DATE	July 1, 1963
COMPONENT		PART NO.	SERIAL NO.
Battery Assembly	Stage 3	66602-107	*
G&C Navigation Set	Stage 3	85011-106-11	*
Cable Assembly-Electrical	Stage 3	25190-102	AAT0192
Flight Control Unit	Stage 3	25174-102	AAQ0179
Motor	Stage 3	4829-7	0031176
Heat Deflector Support	Stage 3	25-25878-2	0000186
Interstage Assembly-Insulated	Stage 2-3	25-27204-64	0000160
Angular Accelerometer Unit	Stage 2	25170-102	AAM0233
Battery Assembly	Stage 2	66603-107	AAV0533
Cable Assembly-Electrical	Stage 2	25189-102-11	AAS0186
Flight Control Unit	Stage 2	25173-102	AAP0181
Motor	Stage 2	366466-9	0021181
Heat Deflector Support	Stage 2	25-25877-2	0000185
Interstage Assembly-Insulated	Stage 1-2	25-27201-11	0000159
Battery Assembly	Stage 1	66603-107	AAV0536
Cable Assembly-Electrical	Stage 1	25188-102	AAR0105
Flight Control Unit	Stage 1	25172-102-11	AAN0184
Motor	Stage 1	U31500-28	0011174
Heat Deflector Support	Stage 1	25-25876-2	0000162
Skirt Assembly	Stage 1	25-27207-3	0000920
*Not installed at Plant 77			

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