



**Aerospace
Systems Division**

A.D. Little LRRR Contractor Parts List

NO. ATM 869	REV. NO.
PAGE <u>1</u> OF <u>2</u>	
DATE 4 May 1970	

1. This ATM is in response to CCP 242, Exhibit F-1, Item 27.
2. Parts and materials used in the Array are listed on the attached sheets which reflect the three subassemblies of the array:
 - A. Panel Structure Assembly
 - B. Insulation Assembly
 - C. Retro-Reflector Array Assembly

All parts and materials listed are in accordance with:

- A. ATM 242D, "Approved Materials for ALSEP Equipment
 - B. ARD 447; LRRR Array II, Statement of Work and Requirements
3. Errata

Item 8, Retro-Reflector Array Assembly, should be changed as follows:

Was: Drawing No. C7028-003

Is: Drawing No. C7066-003

Prepared by:

W. J. Arthur

Approved by:

G. McElhinne



LASER RANGING RETRO-REFLECTOR ARRAY II

APOLLO 14

Bendix Contract SC-749
C-72461

MATERIAL LIST

72461-04

Q	QUAN. PER ASSM.	PART NAME	MAT'L	BXA SPEC.	DRAWING NUMBER
1	1	Panel Structure	Aluminum 6061-T6		R7028-01-001
2	2	Hinge Bracket	" 7075-T6		C7028-01-002
3	2	Release Bracket	" 7075-T6		C7028-01-004
4	120	Closure Plug 1/4"	" 6061-T6		A7028-01-002 P1
5	100	" " 3/8"	" 6061-T6		" P2
6	20	" " 5/8"	" 6061-T6		" P3
7	10	Shear Bolt-Hex HD	Titanium Alloy 6AL-4V		ADL Spec 7029
8	4	Shear Bolt-Hex HD	" " "		" " 7029
9	14	Preload Indicating Washer	Alloy Steel		" " 7031
10	14	Hex Nut-Self Locking	Titanium Alloy 6AL-4V		" " 7030
11	AR	Adhesive	Narmo 7343/7139	ATM-242-110	
12	100	Alignment Pin	304 S/S Wire	ATM-242	
13	10	Pad	Velcro Pile	ATM-242-1101	
14	AR	Strip	Velcro Pile	"	

LASER RANGING RETRO-REFLECTOR ARRAY II
APOLLO 14

MATERIAL LIST

Assembly
Panel Structure

(3)

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PL 7028 01

ITEM NO.	QUAN. PER ASSM.	PART NAME	MAT'L	BXA SPEC.	DRAWING NUMBER
2	AR	Tape	Velcro Hook	ATM-242-1101	
3	↑	Spacer	Dacron Net	" " -1104	
4		Double Alum, Mylar	Film	" " -1109	
5		Edge Filler Strip	Urethane Form	Appl Pending	
6		Cover	Dacron Cloth	ATM-242-1104	
7		Tape	Velcro Hook	" " -1101	
8		Tape	Velcro Hook	" " -1101	
9		Thread	Dacron	" " -1104	
10	↓	Tape	Teflon Temp-R-T	" " - 310	
11		Netting	Fiberglass Type 2530	ARD-447	
12		Kapton, Double Aluminized	Polyimide, Aluminum	ARD-447	
13		Beta Cloth	Fiberglass Type 15035 Finish 9362	ARD-447	
14		Beta Yarn	Fiberglass - Teflon Coated Type 753-24	ARD-447	
15		PYRE M.L.	Polyimide Wire Enamel	ATM-242-1106	

LASER RANGING RETRO-REFLECTOR ARRAY II
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MATERIAL LIST
 Insulation Assembly

ASST. NO.
 PROJ.
 REQ. D.
 LCFB CH

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 REMARKS DATE ISSUED

ITEM NO. 7028	QUAN. PER ASSM.		PART NAME	MAT'L	BXA SPEC.	DRAWING NUMBER
5	100		Lower Mounting Ring	Teflon		C7028-002
6	100		Upper Mounting Ring	Teflon		B7028-001
7	100		Flight Prism	Amersil Suprasil I Grade Fused Quartz		Perkins-Elmer
8	100		Retaining Ring	Aluminum 1100F		C7028-003
9	50		Rivets	2017 Aluminum		ATM 242

LASER RANGING RETRO-REFLECTOR ARRAY II
 APOLLO 14

MATERIAL LIST

Assembly
 Retro-Reflector Array

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ACCT. NO.	ASSY.	REQ D.

24 APRIL 70

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