[redacted] [redacted]

14 000612240

4 September 1963

1031

To: [redacted]

From: [redacted]

Subject: Recovery Take-Out Crew and Access List for Vehicle 1162 Payload System J-1 "B".

Take-Out Crew		Home Phone
[redacted]	Recovery Director	[redacted]
	Engineer	
	Technician	
	Technician	
	Technician	

Observers

Col. C. Murphy [redacted]
LMSC Project Representative - [redacted]
E.K. Representative [redacted]
Engineering Representative - [redacted]
S.E.T.D. Representative - [redacted]

Any additional personnel in attendance shall be coordinated through the Recovery Director. Recovery Director to be notified prior to 1600 hours, 9-4-63, who should be informed of recovery time.

Photographer [redacted]
Receiving Coordinator [redacted]

[redacted]

[redacted] Manager
General Services

[redacted]

[redacted]

[redacted]

[redacted]

REVISIONS

SYM	DESCRIPTION	DATE	APPROVED

J1200	
NEXT ASSY	USED ON
APPLICATION	

[redacted]

LtCol V. Webb

APPROVED

[redacted]

DATE Project Office

DR

CHK/SUPV

ENGRG [redacted]

ENGRG

ENGRG S.E.

ENGRG

ENGRG [redacted]

TEST PROCEDURE

(Approval Sheet)

J1B RECOVERY PROCEDURE

LOCKHEED AIRCRAFT CORPORATION
MISSILES and SPACE DIVISION
SUNNYVALE, CALIFORNIA

SCALE NONE

J1201

CODE [redacted] SHEET 1 OF 5

1.0 OBJECTIVE

It is the objective of this specification to establish the requirements for the special recovery operation of SRV J1B at the A/P facility.

2.0 SCOPE

This specification includes the requirements for the receipt, disassembly, documentation, shipping preparation and environment control during recovery operations.

3.0 REQUIREMENTS

3.1 Environment

3.1.1 A light-free room shall be used that has temperature control capable of $70^{\circ} \pm 5^{\circ}$.

3.2 Personnel

3.2.1 The personnel required to perform the recovery operation shall be submitted for approval by [redacted]. Other personnel shall be at the approval of the Recovery Director.

3.3 Documents

3.3.1 Prior to arrival this test procedure will be approved and assembled into the Recovery Operations folder. The folder shall include:

3.3.1.1 Dark Room admittance letter

3.3.1.2 Payload Recovery Procedure

3.3.1.3 Secondary payload installation list and location description.

3.3.1.4 Recovery Operations Log Book

3.4 Equipment

3.4.1 The following equipment is required and shall be in a readiness condition at least an hour prior to the estimated time of arrival at A/P.

3.4.1.1 Capsule dolly

3.4.1.2 100' black leader

3.4.1.3 Disassembly tools

3.4.1.4 Photographic documentation equipment.

[redacted]

3.4.1.5 Payload shipping container

3.4.1.6 Secondary payload containers

3.4.1.7 Work table

3.4.1.8 1/4 ton hoist

3.4.1.9 Cassette checkout box

3.4.1.10 D.C. power supply 28V

3.4.1.11 Graphic recorder

4.0 RECOVERY OPERATIONS

The recovery operations shall be performed as per the direction of the Recovery Operations Director in a sequence as follows.

4.1 Room light and environment check.

4.2 Assemble equipment and check for proper connections from connector cable inside the dark room to the test equipment and test box outside the dark room.

4.3 Capsule receipt.

4.4 Weigh SRV and record. _____

4.5 Clean WLJ1 with MEK solvent or equivalent, until all residue is removed.

4.6 Verify that all switches are in the OFF position at the cassette checkout box and power supply.

4.7 Seal and darken room.

4.8 Verify that there is no light leak from outside the dark room or the beacon light.

4.9 Remove SRV cover.

4.10 Examine the payload. If one piece of payload exists, follow paragraph 4.11.1 and omit paragraph 4.11.2. If two pieces of payload exist, omit paragraph 4.11.1 and follow paragraph 4.11.2.

4.11 Connect the WLJ1 connector from the test equipment area.

4.11.1 If one piece of payload exists, test personnel in test area to apply 23 volts $^{+1}_{-0}$ volt to cassette test box.

4.11.1.1 Record brake release current of main cassette. _____

4.11.1.2 Record brake release current of slave cassette. _____

[redacted]

4.11.1.3 Test personnel in test area to reset power supply to 26 volts ± 1/2 volts.

4.11.1.3.1 Record the free running current of the main cassette.

_____

4.11.1.3.2 Record the free running current of the slave cassette.

_____

4.11.1.4 Test personnel in test area to reset power supply to 28 volts and set up Midwestern recorder for operation.

4.11.1.4.1 Record both slave and main cassette T/M switch operation.

4.11.2 (Omit this paragraph only if 4.11.1 was performed.) If two pieces exist, test personnel in test area reset power supply to 23 volts +1 volt -0 volt

4.11.2.1 Record the brake release current of the main cassette

_____

4.11.2.2 Record the brake release current of the slave cassette

_____

4.11.2.3 Test personnel in test area to reset power supply to 28 volts and set up Midwestern recorder for operation.

4.11.2.3.1 Record both slave and main cassette T/M switch operation.

4.11.2.3.2 Stop recorder and disassemble when test is complete.

4.11.3 Remove the S.I. Cassette Assembly.

4.11.3.1 Carefully, using nylon gloves, remove the S.I. payload.

4.11.3.2 Insert the S.I. payload into film cans and type containers to prevent any light leak.

4.11.4 Carefully, using nylon gloves, off spool the main cassette payload.

4.11.4.1 Add the off spooled payload to a single spool and add 10 wraps of black leader over payload.

4.11.4.2 Insert the spooled payload into film can and type container to prevent any light leak.

4.11.5 Carefully, using nylon gloves, off spool the slave cassette payload.

4.11.5.1 Add the off spooled payload to a single spool and add 10 wraps of black leader over payload.

4.11.5.2 Insert the spooled payload into the film can and type container to prevent any light leak.

4.11.6 Install film cans into carting cases and seal for shipment.

4.12 Lighten room.

4.13 Examine cassette and perform any additional testing per Recovery Director direction.