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To: [Redacted]
From: [Redacted]



Subject: Q. C. INVENTORY OF INSTRUMENTS 164, 163, USE 648 (JX-27A)
USE 655 (JX-27B)

file

JX-27 SYSTEM

Declassified and Released by the N R O

1. INSTRUMENTS

In Accordance with E. O. 12958

A. Items Short

on NOV 26 1997

None

B. Items shipped separately to VAFB to be installed for flight.

Humidity Sensor P/N T44-643

- 2 ea. - A slit)
- 2 ea. - D slit) (Two will be selected prior to R-2 day for flight)
- 2 ea. - C slit)
- 6 ea. - Fairing bathtub door
- 5 ea. - Thermal relay module (T22-395)-501
- 8 ea. - T22-3498-CBB Bolt
- 4 ea. - T22-299-1A Spring
- 3 ea. - T22-299-1B Spring
- 3 ea. - T22-101-501 Guide Assy.
- 30 ea. - T22-299-1C Bolt
- 30 ea. - LS-8885-C5 Washer
- 8 ea. - LS8704T-4-3L Screws
- 8 ea. - LS8763-4-12L Screws
- 8 ea. - LS8885-C8 Washer

C. Installation of pyro's to be performed at VAFB concerning the fairing recovery barrel, barrel #1, and barrel #2. Refer to Drawing T22-638 for installation.

D. Open squawks in Q. C. system log to be worked at VAFB.

SECTION - PAYLOAD ASSY. COMPLETE

a. Drawing status summary sheet (Open E. O. 's)

- E. O. T22-600 D3 - Pyro Instl.
- T22-638-B1 - Pyro Instl.

b. Squawk section:

Squawk # 10 - Comply with Note 2 - Sheet 3, T22-600D
"Attach T22-299 extension springs at final mate."

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Squawk # 11 - Test mating hardware to be replaced with T22-2088-1 bolts and 885065 washers at final mating, per T22-600D. B/P

Squawk # 34 - Re-evaluate flight worthiness of K10 thru K14 relays at VAFB. Ref: Aft Pyro "J" Box Log Book.

SECTION - FEDR SUMMARY (ASSOCIATE CONTRACTOR)

No open FEDR's.

SECTION - FEDR SUMMARY (A/P)

Open FEDR's: FEDR 3290. Humidity Sensor out of tolerance.

SECTION - BOSTON E.O. SUMMARY (OPEN E.O.'s)

F. E. W. O. 8416-0020 - DFC Temp Sensor Installation

F. E. W. O. 8416-0022 - Removal of shuttle fail safe switches at VAFB.

F. E. W. O. 8416-0074 - Inspection of chipped cell prior to flight.

SECTION - INSTRUMENT #1 S/N 164

Open Squawks - None

SECTION - INSTRUMENT #2 S/N 163

Open Squawks - None

SECTION - FAIRING SECTION S/N 029-MT13

A. Drawing status summary sheet (Open E.O.'s)

E.O. T22-649-B-3

B. Open squawks

Squawk # 10 - Expended T22-395 module installed in temp. sensor J-Box connector J-127.

Squawk # 19 - Pusher Springs (161614-1) (3 ea.) and T22-202-501 Guide Assys. (3 ea.) not installed. Ref: T22-608 Dwg.

Squawk # 23 - DFC "A" D71/87/87 installed with F. E. W. O. #8416-0020 not incorporated.

Squawk # 20 - Fairing bathtub doors (6 ea.) not installed.

SECTION - RECOVERY BARREL S/N 803 JX29

- A. Drawing status summary (Open E. O. 's)
E. O. T22-656-A-3
- B. Open squawks
 - Squawk # 39 - (2 ea.) Test T22-395 modules installed in FWD. Pyro Box. J 128 & J 116.
 - Squawk # 20 - 2 ea. T22-3004 springs not attached to P29 and P30. Ref: T22-510 Dwg.
 - Squawk # 22 - (4 ea.) T22-299-1A springs not installed. Ref: T22-624 Dwg.

SECTION - BARREL #1 S/N 467-J10

- A. Drawing status summary (Open E. O. 's)
No open E. O. 's
- B. Open squawks
None

SECTION - BARREL #2 S/N 044 MT15

- A. Drawing status summary sheet (Open E. O. 's)
No open E. O. 's
- B. Open squawks
None

SECTION - CONIC S/N 786-MT20A

- A. Drawing status summary sheet (Open E. O. 's)
T22-646-D4 - Added note for supply cassette instl.
T22-639-E3 - Added note for gold dollar instl.

B. Open squawks

Squawk #17 - Expended T22-395 module installed on aft pyro box.

Squawk #18 - T18-171 S/N 6 Fail safe harness installed. Connect to test connector at electrical interface and J98 at command box. To be removed at VAFB at time of removal of fail safe switches from instruments.

SECTION - SUPPLY CASSETTE S/N SC29

A. Drawing status summary sheet

No open E. O. 's

B. Open squawks

None

2. FUNCTION BOXES

A. T22-3013-501 Pyro J-Box (AFT) S/N JX-27

a. Drawing status summary sheet

No open E. O. 's

b. Open squawks

None

B. T22-3018-503 Command Box S/N JX-27

a. Drawing status summary sheet

No open E. O. 's

b. Open squawks

None

C. T22-3018-503 T/M & Power J Box S/N JX 27

a. Drawing status summary sheet

No open E. O. 's

b. Open squawks

None

D. T22-3020-501 Junction Box S/N JX-27

a. Drawing status summary sheet

No open E. O. 's

b. Open squawks

None

E. T22-3022-503 Transfer Box S/N JX-27

a. Drawing status summary sheet

No open E. O. 's

b. Open squawks

None

F. T22-3024-501 Pyro J-Box (FWD) S/N JX-27

a. Drawing status summary sheet

No open E. O. 's

b. Open squawks

None

G. T22-3026-503 Fairing J-Box S/N JX-27

a. Drawing status summary sheet

No open E. O. 's

b. Open squawks

None

H. T22-3028-503 Temp. Sensor J-Box S/N JX-27

a. Drawing status summary sheet

No open E. O. 's

b. Open squawks

None

3. CLOCK, AUX. FILM CUTTER, ETC.

A. Clock S/N 532

a. Open squawks

None

B. T22-688-501 Auxiliary Film Cutter - FWD S/N 1013

No open squawks

C. T22-671-501 Auxiliary Film Cutter - AFT S/N 1013

No open squawks

D. T22-738-503 Pressure Make-Up System S/N 1013

No open squawks

4. USE 648 (JX-27) RECOVERY VEHICLE (T22-731-547)

a. Items Short

None

- 4 ea. - 102B7803P1 Thread sleeve cover
- 2 ea. - 102B7881G1 Cover assy/breakwire
- 2 ea. - 887C548G1 Actuator Assy.
- 1 ea. - 937C325G1 Standoff Assy.

c. Open items squawked in USE 648 (JX-27A) log book to be worked off at VAFB

No open squawks

5. USE 655 (JX-27B) RECOVERY VEHICLE (T22 732-555)

a. Items short

None

b. Items to be shipped separately to VAFB to be installed for flight.

- 4 ea. - 102B7893P1 Thread sleeve cover
- 2 ea. - 102B7881G1 Cover assy/breakwire
- 2 ea. - 887C548G1 Actuator Assy.
- 1 ea. - 937C325G1 Standoff Assy.

c. Open items squawked in USE 655 (JX 27B) log book to be worked off at VAFB.

d. Open squawks

Squawk # 16 - A 2.4K resistor has been installed on battery plug brkt. in capsule. This resistor is connected to simulate the cassette temp. sensor that was disconnected as per Boston E O. 11938. This installation was requested by VAFB and is to be removed prior to flight.



Quality Assurance

