



NATIONAL AERONAUTICS AND SPACE ADMINISTRATION

* APOLLO 17

DECEMBER 6 LAUNCH

DO NOT DISCARD
THIS COPY BASELINE FOR
ALL LAUNCH DATES

CHANGE B

LM ACTIVATION CHECKLIST

PREPARED BY

FLIGHT PROCEDURES BRANCH
CREW PROCEDURES DIVISION

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS

NOVEMBER 20, 1972

LOC 080-446
SIGNATOR DOerte

SUBJECT *
PGM. APO
T R

INDEXING DATA
00
OPR NSC
DATE 11-20-72

H51-481252

APOLLO 17

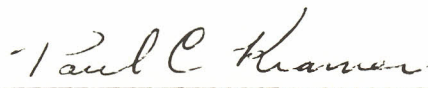
LM ACTIVATION CHECKLIST

NOVEMBER 20, 1972

PREPARED BY:


GARY DOERRE
BOOK MANAGER

APPROVED BY:


PAUL C. KRAMER
CHIEF, FLIGHT PROCEDURES BRANCH
CREW PROCEDURES DIVISION

It is requested that any organization having comments, questions, or suggestions concerning this document contact Gary Doerre, Flight Procedures Branch, CG44, Building 4, room 250, telephone 483-2651.

This document is under the configuration control of the Crew Procedures Control Board (CPCB). All proposed changes should be submitted to the Apollo Flight Data File Manager, T. W. Holloway, CG5, Building 4, room 230, telephone 483-4271.

Distribution of this document is controlled by Flight Data File Manager, T. W. Holloway, Flight Planning Branch, Crew Procedures Division.

LM ACTIVATION CHECKLIST

LIST OF EFFECTIVE PAGES

Basic 9/11/72
 Change A 11/3/72
 Change B 11/20/72

PAGE	DATE	PAGE	DATE
*i	11/20/72	3-1	11/3/72
ii	11/3/72	3-2	11/3/72
iii	9/11/72	3-3	9/11/72
iv	11/3/72	* 3-4	11/20/72
1-1	11/3/72	3-5	9/11/72
1-2	11/3/72	3-6	9/11/72
1-3	9/11/72	3-7	9/11/72
1-4	11/3/72	3-8	9/11/72
1-5	9/11/72	3-9	9/11/72
1-6	9/11/72	3-10	9/11/72
1-7	9/11/72	3-11	9/11/72
1-8	9/11/72	3-12	9/11/72
1-9	9/11/72	3-13	9/11/72
1-10	9/11/72	3-14	9/11/72
1-11	9/11/72	3-15	9/11/72
1-12	9/11/72	3-16	11/3/72
1-13	9/11/72	* 3-17	11/20/72
1-14	11/3/72	3-18	11/3/72
1-15	9/11/72	3-19	9/11/72
1-16	9/11/72	3-20	9/11/72
1-17	9/11/72	3-21	9/11/72
1-18	9/11/72	3-22	9/11/72
1-19	9/11/72	3-23	9/11/72
1-20	9/11/72	3-24	9/11/72
1-21	11/3/72	3-25	9/11/72
2-1	9/11/72	3-26	9/11/72
2-2	9/11/72	3-27	9/11/72
2-3	9/11/72	3-28	9/11/72
2-4	9/11/72	3-29	9/11/72
2-5	9/11/72	3-30	9/11/72
2-6	9/11/72	3-31	9/11/72
2-7	9/11/72	3-32	9/11/72

*Current Change

LIST OF EFFECTIVE PAGES (CONT)

PAGE	DATE
3-33	9/11/72
3-34	9/11/72
3-35	9/11/72
3-36	9/11/72
3-37	11/3/72
3-38	9/11/72
3-39	9/11/72

DATE 9/11/72

3-3

107:57

LMP IVT TO LM

- 1 Activate CABIN DUMP VALVE & Open Hatch
Carry Comm Carrier & CSM 02 Hose
- 2 Verify Docking Tunnel Index
Angle (See 1-3)
Window Shades (3) - Open
Deploy LMP Crash Bar
- 3 Transfer To LM PWR
(FLOOD Lts. Blink, C/W PWR Caution Lt-On)
CB(11) EPS: XLUNAR BUS TIE - Close
CB(16) EPS: XLUNAR BUS TIE - Close
- 4 FLOOD LIGHT - All
CB(11) LTG: UTIL - Close
- 5 DES H20 - OPEN
DES 02 - OPEN
CABIN REPRESS - AUTO
CB(16) ECS: CABIN REPRESS - Close

108:00

CDR IVT TO LM

CDR IVT To LM With CDR &
LMP Helmet & Gloves

Connect To LM Comm Umbilical
CB(11) COMM: CDR AUDIO - Close
AUDIO (CDR): S-BAND-T/R
: ICS - T/R

ZIP SUITS & ATTACH RESTRAINTS

***** SR 108:06 *****

IVT TO LM
EPS ACT

3-4

108:17

EPS ACTIVATION

- 1 LTG: ANUN/NUM - BRIGHT (1 Caution, 9
Power Failure, Glycol COMP Lt-On)
- 2 CB(11) INST: SIG CONDR 1 - Close
EPS: DES ECA CONT - Close
: DC BUS VOLT - Close
CB(16) INST: SIG SENSOR - Close
: PCM/TE - Close
: SIG CONDR 2 - Close
EPS: DISP - Close
: DES ECA CONT - Close
- 3 Connect To LM Comm Umbilical
AUDIO (LMP): S-BAND T/R - T/R
: ICS - T/R
CB(11) COMM: SEC S-BD PWR AMPL - Close
CB(16) COMM: DISP - Close
: S.E. AUDIO - Close
: PRIM S-BD XMTR/RCVR - Close
: S-BD ANT - Close
: PMP - Close
S-BAND - PM, PRIM, SEC, DN VOICE BU, PCM,
RANGE, OFF, LO
S-BAND ANT - AFT

DATE 11/20/72

DATE 11/20/72

3-17

108:49

SET DAP

- 1 V48E
F 04 46 Codes (Octal)
R1 _____ (32022)
R2 _____ (00011)
PRO _____
- 2 F 06 47 LM, CSM Wt. (LBS)
R1 _____ (+36744)
R2 _____ (+37831)
PRO _____
- 3 F 06 48 GMBL TRIM, PITCH, ROLL (.01°)
R1 _____ (+00645)
R2 _____ (+00641)
(TERM) V34E _____

*E-MEMORY DUMP

- 1 Verify Steerable Lockup
V74E (Erasable Dump) (42 sec)

108:47

*PRIM S-BD T/R & SEC PWR AMPL CK

Perform PRIM T/R & SEC PWR AMPL
VOICE CK With MSFN (Up To 60 sec To Lock)

108:49

*S-BAND STEERABLE ANTENNA ACTIVATION

- 1 HTR CONT TEMP MONITOR - S-BAND
(-52° to +135°)
- 2 STEERABLE: PITCH - -75°
YAW - -12°
TRACK MODE - SLEW (Wait 30 sec)
PITCH (From MSFN) _____ (+125)CCW
YAW (From MSFN) _____ (-22)CCW
ANTENNA S-BAND - SLEW
Verify Signal Strength >3.0
S-BAND CHECK WITH MSFN
S-BAND - PM, SEC, PRIM, VOICE, PCM, RANGE,
OFF, HI
S-BAND CHECK WITH MSFN
TRACK MODE - AUTO
BIOMED - RIGHT
UPLINK SQUELCH - OFF
S-BAND CHECK WITH MSFN

LDG GEAR DEPLOY
S-BD ANT ACT

3-18

***** UD - 1:30 (108:58) *****

108:58

LANDING GEAR DEPLOY

1 CB(11) ED: LDG GEAR FLAG - Close
: LOGIC POWER A - Open
MASTER ARM - ON (SYS B Lt - On)
LDG GEAR DEPLOY-FIRE, tb - gray
CB(11) ED: LOGIC PWER A - Close
(SYS A Lt - On)
LDG GEAR DEPLOY - FIRE
MASTER ARM - OFF (SYS A&B Lts - OFF)
CB(11) ED: LDG GEAR FLAG - Open

109:00

*MSFN UPLINK

UPDATA LINK - DATA
MSFN P-27 Updates LS REFSMMAT,LM
STATE VECTOR AND V66, AND LGC ABORT
CONSTANTS
UPDATA LINK - OFF

108:58

MSFN UPDATE

1 Report PRIM EVAP FLOW TIME (3-8)
2 Copy: AGS Abort Constants
: DOI - 2 PAD

11/3/72

ASA — MSC