

EARTH/POST LANDING

L
9-1

RRT Start Watch
 90K' (:) STEAM PRESS - pegged at ~ 90K (00:00)
 50K' (:) CABIN PRESS REL vlv (2) - BOOST/ENTRY(00:52)
 SECS PYRO ARM (2) - ARM (verify)
 Check Altimeter

40K' (:) *If CM unstable: * (01:06)█
 * RCS CMD - OFF *
 * 40K' APEX COVER JETT PB-PUSH*
 * (wait 2 sec) *
 * DROGUE DEPLOY PB - PUSH *

30K' ELS LOGIC - on (up)
ELS - AUTO (01:24)█

Start DAC

24K' (:) RCS disable (auto) (01:37)█
 RCS CMD - OFF

Apex cover jett (auto)
 APEX COVER JETT PB - PUSH
 (wait 2 sec)

Drogue parachutes deployed (auto)
 DROGUE DEPLOY PB - PUSH

*If Both Drogues Fail: *
 * ELS - MAN *
 * Stabilize CM *
 * 5K' MAIN DPLY PB - PUSH*
 * ELS - AUTO *

23.5K' Cabin Pressure increasing
 *If not increasing by 17K': *
 * CABIN PRESS REL vlv (RH) - DUMP*

10K' (:) Main chutes deployed (Drogues +46 sec)(02:25)█
 (Cab Press MAIN DEPLOY PB - PUSH (within 1 sec)
 = 10 psia)

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SURGE TK 02 vlv - OFF (if unsuited)
 REPRESS PKG vlv - OFF (if unsuited)

VHF ANT - RECY
 VHF AM A - SIMPLEX
 VHF BCN - ON
 CABIN PRESS REL vlv (RH) - DUMP
 Stow DAC
 STRUT LOCKS (4) - UNLOCK

If night landing:

- cb FLOAT BAG #3, FLT/PL (1 cb) - close
- PL BCN LT - LOW
- (275) cb FLT & PL BAT BUS A,B,&BAT C (3) - close
- cb FLT & PL MNA & B (2) - open
- (5) cb BAT RLY BUS (2) - open
- cb RAD HTRS OVLD (2) - open (verify)
- (8) cb SPS P&Y (4) - open (verify)

3K' CM RCS PRPLNT (2) - OFF
 ELS AUTO (verify)
 ELS LOGIC - on (up) (verify)
 FLOOD Lts - POST LDG

800' CAB PRESS RELF vlv (2) - CLOSE (latch off)
 MN BUS TIE (2) - OFF
 COMMAND + e - YAW (1 Sec) (Direct RCS)

POSTLANDING

STABILIZATION, VENTILATION, COMMUNICATIONS

- 1
- (229) Stabilization after landing
 - cb MAIN REL PYRO (2) - close
 - MAIN RELEASE - on (up)
 - SECS PYRO ARM (2) - SAFE
 - SECS LOGIC (2) - OFF

If no contact with recovery forces:
 * VHF AM A&B - off (ctr) *
 * VHF AM RCV ONLY - A *

*If B SIMPLEX or A DUPLEX req'd *
 * Turn BCN off during Comm *

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- (8) cb PL VENT - close
- cb FLOAT BAG (3) - close
- (278) cb UPRIGHT SYS COMPRESS (2) - close
- If Stable II:
- FLOAT BAG(3) - FILL till 2 min after upright, then - OFF
- VHF AM A/B & BCN - OFF while inverted
- If Stable I:
- After 10 Min Cooling Period,
- FLOAT BAG (3) - FILL 7 min, then OFF

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Post Stabilization And Ventilation

- PL BCN LT - BCN LT LOW (night landing)
- PL VENT vlv - UNLOCK (Pull into detent)
- Remove PL VENT Exh Cover
- PL VENT - HIGH or LOW
- If dye marker req'd:
- PL DYE MARKER - ON
- Release restraints
- (275) cb MNA BAT BUS A & BAT C (2) - open
- cb MNB BAT BUS B & BAT C (2) - open
- cb FLT & PL BAT C - open
- (250) cb PYRO A SEQ A - open
- cb PYRO B SEQ B - open
- Verify voltage > 27.5 vdc
- *If < 27.5 vdc:
- * cb FLT & PL-BAT BUS A&B (2) -open*
- * cb FLT & PL BAT C (1) - close *
- * GO TO LOW POWER CHECKLIST *
- Unstow and install PLV DISTRIB DUCT
- Deploy grappling hook and line if req'd

NOMINAL EGRESS & POWER DOWN

- PL VENT - OFF
- cb Pn1 250 (a11) - open
- Charge hatch counterbalance
- Open side hatch (after collar installed)
- ACTR HNDL SEL - N
- GN2 vlv HNDL - VENT (pull)
- GN2 vlv HNDL - PRESS (push)
- Check Pressure Gauge (mid-white)
- *repeat vent/press to obtain mid-white*

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UNAIDED EGRESS PROCEDURES

PREPARATION

Disconnect umbilicals
Neck dams on (if suited)
Configure couch(s) - 270°
Armrests stowed
Unstow survival kits
Connect lanyards, (green to S/C, white to crew)

STABLE I

PL VENT - OFF
cb Pn1 250 (all) - open
Charge hatch counterbalance
Open side hatch
ACTR HNDL SEL - N
GN2 vlv HNDL - VENT (pull)
GN2 vlv HNDL - PRESS (push)
Check Pressure Gauge (mid-white)
repeat vent/press to obtain mid-white
Remove raft from kit No. 2
Put raft overboard & pull inflation lanyard
Pass hardware kit to raft
Egress, inflate life vest, board raft
If no ventilation or CM O2 supply:
* Open side hatch, as req'd *

STABLE II

PWR (3) - OFF
SUIT PWR (3) - OFF
PRESS EQUAL vlv - OPEN
Remove & stow hatch
Lower hardware rucksack down tunnel
Exit feet first; when clear of S/C inflate
water wings
Remove life raft from kit No. 2 and inflate
If no ventilation or CM O2 supply:
* Initiate egress within 2-1/2 hrs*

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POST LANDING COMMUNICATIONS

VHF ANT - RECY (verify)

VHF BCN - ON (verify)

If no contact with recovery forces:

* Perform VHF BEACON Check *

MONITOR VHF BEACON transmission with

VHF AM B Rcvr and/or Survival Transceiver (voice)

*If VHF Beacon not operating: *

* Open VHF ant access pnl. Connect *

* Survival Transceiver cable conn J1 to *

* bcn ant cable conn P112 and place radio*

* in BCN mode *

LOW POWER CHECKLIST

VHF BCN - OFF

VHF AM (3) - RCV

FLOOD LTS - OFF

VHF AM A&B - off (ctr)

VHF AM RCV ONLY - A (verify)

POSTLANDING VENT SYS: minimize use

SURV RADIO - Open VHF ant access pnl.

Connect cable conn J1 to bcn ant

cable conn P112 and place radio in

BCN mode

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