Don EV Gloves & Verify:
Wrist Locks (4) - Locked
Glove Straps (4) - Adjusted

NOTE: IF PGA Biting, PLSS 02 - ON/OFF

PLSS DIVERTER - MIN (Verify)
PLSS PUMP - ON (It)
PRESS REG A & B - EGRESS
PRESSURE INTEGRITY CHECK

PLSS 02 - ON (Tone-On, 02 Flag-0)
Press Flag Clear (3.1-3.4 Psi) Cuff Gage 3.7-4.0 Psi 02 Flag Clear

PLSS 02 - OFF (Monitor Cuff Gage For 1 Min, Report Decay)
PLSS 02 - ON (Cuff Gage 3.7-4.0 Psi, Tone & 02 Flag May Come On)
Verify 02 Flag Clear

CABIN DEPRESS
Confirm Go For Depress From Hou
CB(16) ECS: CABIN REPRESS - Open
CB(16) Comm: TV - Close
CABIN REPRESS Vlv - CLOSE

Ovhd Or Fwd Dump Valve - OPEN Then AUTO @ 3.5 Psia (Verify Cuff Gage Does Not Drop Below 4.6 Psi)
Verify:
Cabin At 3.5 Psi
LM Suit Circuit Lockup At 4.3 Psia
PGA > 4.6 Psi & Decaying

Start Wrist Watch :
00

Ovhd Or Fwd Dump Valve - OPEN
Verify:
Tone-On & H2O Flag - A (1.2-1.7 Psia)
Pga > 4.6 Psi & Decaying

Partially Open Fwd Hatch

FINAL PREP FOR EGRESS :03

PLSS PRIM H2O - OPEN (H2O Flag - Clear In About 4 Min)

Fwd Hatch - Open

Rest Until Cooling Sufficient
Verify:
Pga 3.7 To 4.6 Psi
CABIN Status:
Caution
••••• PREAMPS
ECS

H2O SEP COMP LT - ON

Lower EV Visor :10

PLSS 02 RECHARGE
Verify DES 2 02 >56%

*** ** LMP 1st: ***
Connect LM 02 To PLSS
HI PLSS 02 FILL - OPEN Then CLOSE
After 4 Min

PLSS Mode - AR (02 QTY ~85%)
PLSS Mode - 0

Disconnect LM 02

CABIN Repeat 02 RECHARGE ***
Stow LM 02 Supply Hose

PLSS/OPS DUFFING
Disconnect OPS Actuator From RCU
Disconnect RCU From PGA
PLSS PUMP, FAN-OFF (LEFT) MODE SEL - 0
Disconnect RCU From PLSS, Stow In LG Bag (LHMS)

Disconnect PLSS 02 Hoses
Doff PLSS/OPS (LMP 1st)
Stow LMP PLSS On Floor
Stow CDR PLSS On Mid-Step
Stow OPS 02 Hose & Actuator
Disconnect OPS Antenna Lead
Install Gas Conn Plugs (Purse) In PGA
Install PLSS Elec Dust Cap (Purse)

CAUTION: Insure PLSS LiOH Carts & Batts Numbered 1 or 2 Replaced With 3 or 4.

PLSS PRIM H2O - CLOSE
Fwd Hatch - Close & Lock
Dum P/ Vess (Both) - AUTO

NOTE: PLSS 02 & PRESS Flags May Come On During Repress. PLSS 02 <10% Manually Control Cabin Repress To Maintain Positive PGA Pressure. (Leave Cabin Repress CB Open For Manual Repress)

CABIN REPRESS - AUTO
CB(16) ECS: CABIN REPRESS - Close
MASTER ALARM & CABIN Warning Lt - On
Verify Cabin Press Increasing
PRESS REG A & B - CABIN
PLSS 02 - OFF @ Cabin > 2.5 Psi

CABIN Warning Lt - Off
Verify Cabin Press Stable At 4.6-5 Psia
Use Purge Valve To Depress PGA As Req'd

POST EVA SYSTEMS CONFIGURATION
Verify EVA CB Configuration
(White Dots Out + EVA Decals)
CB(16) ECS: SUIT FAN 2 - Close
SUIT FAN A+ Close
ECS Caution & H2O SEP Comp Lts - Out
Doff Gloves, Stow On Comm Panel
Doff Helmets With Visors, Lower Shades, Stow In Helmet Bags

Verify Safety On Dump Valve
DES H2O Valv - OPEN
Remove Purge Valve, Stow In Purse
Disconnect OPS 02 Hose
Connect LM 02 Hoses R/B & B/R
PGA Divertier Vlv - Horizontal

SUIT ISOL (Both) - SUIT FLOW
PLSS PUMP - OFF (Left)
PLSS FAN - OFF (Left)
Disconnect PLSS H2O From PGA
Connect LM H2O

PLSS Mode (Both) - 0
AUDIO CB - Open
Connect To LM Comm

AUDIO CB - Close
AUDIO (CDR & LMP)
VHF A - RCV
B - OFF
MODE - ICS/PTT
RELAY - OFF

COMM:
VHF A XMT/ OFF
A RCV - ON
B XMT & RCV - OFF
TLM BIOMED - LEFT
VHF ANTENNA - AFT
UPLINK SQUELCH-OFF

POST EVA CABIN CONFIGURATION
127:35 BATT MGM (1609)
POWER/TEMP MON - ED/OFF
Check ED Volts A __, B ___ (To Hou)
PWR AMP - PRIM
TLM PCM - HI
POWER/TEMP MON - BAT 1
BAT 1 HI V-ON; tb - gray
POWER/TEMP MON - BAT 2
BAT L (LMP) - OFF/RESET; tb - bp
BAT 2 - ON; tb - gray
POWER/TEMP MON - Check Bus Volts

Unstow Lunar Surface Checklist, 5-4
Stow EVA 1 Prep & Post Card
PLSS DONNING

***(*) LMP 1st: ***(*)
Set PLSS On Mid-Step
Verify OPS Reg Decay
Unstow 02 Nozzle & Antenna Lead
Secure Flaps
Attach Ops To PLSS
Connect Ops Antenna Lead To PLSS
Verify Sublimator Exhausts Clear
Install PLSS Tool Harness
Unstow PLSS Straps & Hoses
Remove Elect Duct Cap, Stow In Purse
Verify AUX H20, DIVERTER, 02, & PRIM H20-OFF
Connect Battery Cable
Verify The Following Locked:
PLSS Battery Connection
OPS Antenna Lead To PLSS
OPS To PLSS
Don PLSS/OPS, Lift PLSS Hoses Above Lower Straps
Connect PLSS 02 Hoses To PGA
Verify AUX H20, DIVERTER, 02, & PRIM H20-OFF
Connect RCU To PGA & Upper Straps
Verify RCU Controls:
PUMP, FAN - OFF (Left) MODE SEL-0
Connect RCU To PLSS
Unstow OPS 02 Hose & Actuator,
Route Hose Behind PGA
Connect Actuator To RCU

CDR Repeat PLSS DONNING ***(*)

FINAL SYSTEMS PREP

CB(16) ECS: LCG PUMP - Close
PLSS PTM (LMP) - MAIN (Rt), Verify
PLSS Mode(LMP) - A, Wheel-CCW
(Tone-On, Vent Flag - P, LMP Oppress - 0, 02 Mom)
PLSS 02 Press Gage > 85%
LMP Comm Check With CDR and Hou
NOTE: Unstow PLSS Antenna If It M Transmits Garbled And/Or Loses Th
CB(11) COMM: CDR AUDIO - Open
CONNECT To PLSS Comm
CB(11) COMM: CDR AUDIO - Close
Audio To CDR
VHF A - OFF
VHF B - OFF
PLSS PTM (CDR) - MAIN (Lt), Verify
PLSS Mode(CDR) - B, Blade-CCW
(Tone-On, Vent Flag - P, LMP Oppress - 0, 02 Mom)
PLSS 02 Press Gage > 85%
NOTE: Crewman In Mode B Cannot
Hear Hou
LMP Comm Check With CDR And Hou
PLSS Mode(LMP)-B, Blade-CCW(Tone-On)
PLSS Mode(CDR)-A, Wheel-CCW(Tone-On)
CDR Comm Check With LMP And Hou
PLSS Mode (Both) - AR (Tone-On)
NOTE: (AR) Wheel-Hou, Blade-EVA
Perform Comm & TM Check With Hou &
Comm Check With Each Other
Read PLSS 02 Qty to Hou
NOTE: If Comm Is NO GO With Hou
S-BAND MOD - P
Verify Comm & TM

PLSS COMM CHECK

Verify Powerdown CB Configuration (White Dots Out)
COMM: MODULETAIN - FM
PWR AMP - PRIM
Verify Voice Comm With Hou
Audio (LMP)
S-BAND - T/R
ICS - T/R
RELAY - ON
MODE - VOX
VOX SENS MAX
VHF A - T/R
B - RCV

CB(16) COMM: SE AUDIO - Open
LMP Connect To PLSS Comm

HELMET/GLOVE DONNING

Position Mixes (Both)
PLSS FAN - ON, Rt (Vent Flag - Clear)
Don Helmets With LEVA’s, Check Drink
Bag Position
Secure Tool Harness Self Doff Straps
To LEVA’s
LCG-Cold, As Req
CB(16) ECS: LCG PUMP - Open
Disconnect LH2O Hose
Connect PLSS H2O Hose
Stow LM Hoses (CDR’s To ECS Handhold)
Verify The Following:
Helmet & Visor (1) - Adjusted
O2 Connectors (3) - Locked
Purge Valves (1) - Locked
H2O Connectors (1) - Locked
Comm Connectors (1) - Locked
PGR Divers (1) - Vertical
Verify EVA CB Configuration
(White Dots Out + EVA Details)