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

NOTE: If PGA Biting, PLSS 02 - ON/OFF CB(16) Comm: TV - Close

PLSS DIVERTER - MIN (Verify) PLSS PUMP - ON (Rt)

PRESS REG A & B - EGRESS

PRESSURE INTEGRITY CHECK

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

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

Confirm Go For Depress From Hou CB(16)ECS: CABIN REPRESS - Open CABIN REPRESS VIV - CLOSE

3.5 Psia (Verify Cuff Gage Does Not Drop Below 4.6 Psig) Verify: Cabin At 3.5 Psia LM Suit Circuit Lockup At 4.3 Psia PGA > 4.6 Psig & Decaying

Start Wrist Watch:00

Ovhd Or Fwd Dump Valve - OPEN Verify: Tone-On & H20 Flag - A (1.2-1.7 Psia) PGA > 4.6 Psig & Decaying

Partially Open Fwd Hatch

FINAL PREP FOR EGRESS :03

PLSS PRIM H20 - OPEN (H20 Flag -Clear In About 4 Min)

Fwd Hatch - Open

Rest Until Cooling Sufficient Verify: PGA 3.7 To 4.6 Psig CWEA Status: Caution PREAMPS

H20 SEP COMP LT - ON

Lower EV Visor

PLSS PRIM H20 - CLOSE Fwd Hatch - Close & Lock Dump Valves (Both) - AUTO

Ovhd Or Fwd Dump VIv - OPEN Then AUTO @ NOTE: PLSS 02 & PRESS Flags May Come On During Repress. If 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 Psia

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

POST EVA SYSTEMS CONFIGURATION

Verify EVA CB Configuration (White Dots Out + EVA Decals) CB(16) ECS: SUIT FAN 2 - Close SUIT FAN AP- Close ECS Caution & H20 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 H20 VIV - OPEN Remove Purge Valve, Stow In Purse Disconnect OPS 02 Hose

Connect LM 02 Hoses R/B & B/R PGA Diverter Vlv - Horizontal

SUIT ISOL (Both) - SUIT FLOW PLSS PUMP - OFF (Left) PLSS FAN - OFF (Left)

Disconnect PLSS H20 From PGA Connect LM H20

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 XMTR - OFF A RCVR - ON B XMTR & RCVR - OFF TLM BIOMED - LEFT VHF ANTENNA - AFT UPLINK SQUELCH-OFF

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

CDR Repeat 02 RECHARGE * * * *

Stow LM 02 Supply Hose

PLSS/OPS DOFFING

Disconnect OPS Actuator From RCU Disconnect RCU From PGA PLSS PUMP, FAN-OFF (LEFT) MODE SEL - 0 Disconnect RCU From PLSS, Stow In LCG 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 Elect Dust Cap (Purse)

CAUTION: Insure PLSS LiOH Carts & Batts

CDR 1st: # # # Change PLSS Batt, Stow In BSLSS Bag Connect Cable to Battery Stow PLSS Hoses & Straps

Disconn Left End Of PLSS Tool Harness Change LiOH Cart, Temp<130°, Read Cart Stow Used LiOH Carts Inside Canisters Stow Canisters In BSLSS Bag Install PLSS Tool Harness

Remove OPS & Stow Antenna Lead Verify OPS 02 Press 5380 - 6380 Stow CDR OPS On Eng Cover Stow CDR PLSS In Recharge Station

LMP PLSS To Mid-Step, Repeat Above ####

Stow LMP OPS On Floor Under Dump Vlv Stow PLSS On Floor Against Hatch

POST EVA CABIN CONFIGURATION

127:35 BATT MGMT (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

Numbered 1 or 2 Replaced with 3 or 4. Unstow Lunar Surface Checklist, 5-4 Stow EVA 1 Prep & Post Card

EQUIPMENT PREP EVA 1

Stow PGA Gas Conn Plugs In Purse Empty PGA Pockets Into Purse PGA Relief Valve Cap In Pkt Verify Watch On PGA

CDR Move To Aft Cabin Area

Unstow CDR Boots, Purge Valve To Purse | Secure Flaps CDR Don Boots Unstow CDR OPS

Remove Pallet, Stow On Cabin Fan Perform OPS Check Restow OPS

LMP Move To Aft Cabin Area

Unstow LMP Boots, Purge Valve To Purse Stow IV Gloves In Bot Boot Comp LMP Don Boots

Unstow LMP OPS Remove Pallet, Stow On Cabin Fan Perform OPS Check

> & Ancillary Container Stow LMP OPS/On Eng Cover Stow CSRC (Aft OPS) In LMP's PGA Pkt Install ISS Stow Pallets In Jett Bag

Apply Antifog (Purse), Wipe Dry With Stow EMU Maintenance Kit In Purse Stow LEVA's & Helmets On ISS Stow Helmet Bag

Move CDR's OPS Forward On Eng Cover Stow ETB On Aft Eng Cover Tie Jett Bag, Stow On Aft Engine Cover

Fwd Hatch Handle - UNLOCK

PLSS DONNING

* * * * LMP]st: * * * Set PLSS On Mid-Step Verify OPS Reg Decay Unstow 02 Nozzle & Antenna Lead

Attach OPS To PLSS Connect OPS Antenna Lead To PLSS Verify Sublimator Exhausts Clear Install PLSS Tool Harness

Unstow PLSS Straps & Hoses Remove Elect Dust 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 * * * -

PLSS COMM CHECK

Verify Powerdown CB Configuration (White Dots Out) COMM: MODULATE - 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

O COMM:

VHF A XMTR - VOICE A RCVR - ON B XMTR - OFF B RCVR - ON TLM BIOMED - OFF SQUELCH VHF A&B -Noise Thres + 1 1/2 RECORDER - ON VHF Antenna - EVA UPLINK SQUELCH - ENABLE

Audio (CDR) S-BAND - T/R ICS - T/R RELAY - OFF MODE - VOX VOX SENS MAX VHF A - T/R B - RCV

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

CB(16) COMM: SE AUDIO - Close O PLSS PTT (LMP) - MAIN (Rt), Verify PLSS Mode(LMP) - A, Wheel-CCW H Press Flag - U, UZ Press Gage > 85% Check With (Tone-On, Vent Flag - P, LMP Comm Check With CDR And Hou

NOTE: Unstow PLSS Antenna If It Transmits Garbled And/Or Loses TMD Lts - On (~ 1 Min)

CB(11) COMM: CDR AUDIO - Open CDR Connect To PLSS Comm

CB(11) COMM: CDR AUDIO - Close Audio (CDR) VHF A - OFF VHF B - OFF

_PLSS Mode(CDR) - B, Blade-CCW (Tone-On, Vent Flag - P, Press Flag - 0, 02 Mom) PLSS 02 Press Gage > 85%

M NOTE: Crewman In Mode B Cannot Hear Hou

LMP Comm Check With CDR And Hou

PLSS Mode(LMP)-B, Blade-CCW(Tone-On) DES H20 VLV - CLOSE _PLSS Mode(CDR)-A, Wheel-CCW(Tone-On)__ CDR Comm Check With LMP And Hou

H PLSS Mode (Both) - AR (Tone-On)

U NOTE: (AR) Wheel-Hou, Blade-EVA

Perform Comm & TM Check With Hou & U Comm Check With Each Other M Read PLSS 02 Qty to Hou

NOTE: If Comm Is NO GO With Hou S-BAND MOD - PM Verify Comm & TM

FINAL SYSTEMS PREP

CB(16) ECS: LCG PUMP - Close LCG - Cold, As Reqd CB(16) ECS: CABIN REPRESS - Close (Ver) PLSS FAN - ON, Rt (Vent Flag - Clear) SUIT FAN AP - Open SUIT FAN 2 - Open & SUIT FAN Sel - 2 Verify ECS Caution & H20 SEP COMP

R SUIT GAS DIVERTER - PULL-EGRESS(Verify) CB(16) ECS: LCG PUMP - Open CABIN GAS RETURN - EGRESS (Verify) SUIT CIRCUIT RELIEF - AUTO (Verify)

OPS CONNECT

\ # # # LMP 1st: # # # SUIT ISOL - SUIT DISC PLSS PTT (CDR) - MAIN (Rt), Verify | Discon LM 02 Hoses, Secure About PGA

> Connect OPS 02 Hose To PGA B/B H Retrieve Purge Valve (Purse)-Ol Verify Closed, Lock Pin In & LO U Install Purge Valve In PGA R/R . PGA Diverter Valve - Vertical

C CDR Repeat OPS CONNECT # # # #

HELMET/GLOVE DONNING

Position Mikes (Both) Don Helmets With LEVA's, Check Drink Bag Position Secure Tool Harness Self Doff Straps

LCG-Cold, As Read Disconnect LM H20 Hose Connect PLSS H20 Hose Stow LM Hoses (CDR's To ECS Handhold)

Verify The Following: Helmet & Visor (1) - Aligned & 02 Connectors (3) - Locked Purge Valves - Locked H20 Connectors (1) - Locked Comm Connectors (1) - Locked PGA Diverter Vlv(1) - Vertical

Verify EVA CB Configuration (White Dots Out + EVA Decals)

