

NAME P/N QTY	CRIT	FAILURE MODE & CAUSES	FAILURE EFFECT	RATIONALE FOR ACCEPTANCE
PRIMARY OXYGEN BOTTLE ITEM 111 SV778896 (2)	2/1A	111F002A; EXTERNAL GAS LEAKAGE.		<p>C. INSPECTION - (CONTINUED)</p> <p>RADIOGRAPHIC INSPECTION IS PERFORMED TO DETECT CRACK, VOIDS OR OTHER IRREGULARITIES IN THE WELDS AND PARENT METAL OF TANK AS SPECIFIED IN SVWS 4450 PARA. 3.3.7 FRACTURE CONTROL. IN ADDITION, FLUORESCENT PENETRANT INSPECTION TO DETECT SURFACE DEFECT IN THE WELDS AND PARENT METAL OF TANK AS SPECIFIED IN SVWS 4450, PARA. 3.3.7 FRACTURE CONTROL.</p> <p>INSPECTION OF PROOF, LEAKAGE, RADIOGRAPHIC INSPECTION AND EXAMINATION OF INTERIOR SURFACES ARE PERFORMED AT VENDOR AND MONITORED BY HAMILTON STANDARD SOURCE INSPECTION.</p> <p>D. FAILURE HISTORY - NONE.</p> <p>E. DESIGN STANDARDS - LISTED PER PARA-D-001, CHAMBER AND CHECKOUT OF O2 BOTTLE CIRCUIT LEAKAGE.</p> <p>F. OPERATION USE - CREW RESPONSE - PREEVA: WHEN DETECTED PRIOR TO PRIMARY O2 TANK TOPOFF, THROUBLE SHOOT PROBLEM, IF NO SUCCESS, CONSIDER EMP 3 IF AVAILABLE, EMP 50 DO FOR EVA, EVA: WHEN EMP DATA CONFIRMS AN ACCELERATED PRIMARY O2 USE RATE, TERMINATE EVA, TRAINING - STANDARD EMP TRAINING COVERS THIS FAILURE MODE. OPERATIONAL CONSIDERATIONS - FLIGHT RULES DEFINE REQUIRE EVA TERMINATION WHEN MINIMUM PRIMARY CONSUMABLES REMAIN. EVA CHECKLIST PROCEDURES VERIFY HARDWARE INTEGRITY AND SYSTEMS OPERATIONAL STATUS PRIOR TO EVA. REAL TIME DATA SYSTEM ALLOWS GROUND MONITORING OF EMP SYSTEMS.</p>
FC6-2 EA				

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CBL
 CRITICAL ITEMS LIST
 FILE: CBL-PLSS/2

NAME P/N QTY	CRIT	FAILURE MODE & CAUSES	FAILURE EFFECT	RATIONALE FOR ACCEPTANCE
PRIMARY OXYGEN BOTTLE ITEM 131 SV784099-1 PC4A-2 01	2/1R	111FND7D: EXTERNAL GAS LEAKAGE.		<p>D. FAILURE HISTORY - NONE.</p> <p>E. GROUND THRESHOLD - TESTED PER FEMM-N-001, CHAMBER RUN CHECKOUT BY O2 BOTTLE CIRCUIT LEAKAGE.</p> <p>F. OPERATION EFFECTS - CREW RESPONSE - PREEVA: WHEN DETECTED PRIOR TO PRIMARY O2 TANK YOFF, PROBLE SHOOT PROBLEM, IF NO SUCCESS, CONSIDER EMO I BY AVAILABLE. EMO NO GO FOR EVA. EVA: WHEN EMO DATA CONFIRMS AN ACCELERATED PRIMARY O2 USE RATE, TERMINATE EVA. TRAINING - STANDARD EMO TRAINING COVERS THIS FAILURE MODE. OPERATIONAL CONSIDERATIONS - FLIGHT MILES DEFINE REQUIRE EVA TERMINATION WHEN MINIMUM PRIMARY CONSUMABLES REMAIN. EVA CHECKLIST PROCEDURES VERIFY HARDWARE INTEGRITY AND SYSTEMS OPERATIONAL STATUS PRIOR TO EVA. REAL TIME DATA SYSTEM ALLOWS GROUND MONITORING OF EHO SYSTEMS.</p>