

A/C NUMBER:

CHECK BEING PERFORMED: Cust

W/C NUMBER: 510M3802 (continued)

MECH: INSP:

- _____ XXXXX GALLEY G4
- _____ XXXXX GALLEY G5
- | _____ XXXXX FWD LH LAV (A1)
- | _____ XXXXX FWD RH LAV (A2)
- | _____ XXXXX LH MID LAV (B1)
- | _____ XXXXX RH MID LAV (B2)
- | _____ XXXXX LH FWD MID/AFT LAV (C1)
- | _____ XXXXX RH FWD MID/AFT LAV (C2)
- | _____ XXXXX LH AFT MID/AFT LAV (D1)
- | _____ XXXXX RH FWD MID/AFT LAV (D2)

6 PERFORM OPERATIONAL CHECK OF WATER SYSTEM AIR COMPRESSOR AND PRESSURE SWITCH AND FUNCTIONAL CHECK OF PRESSURE RELIEF VALVE AS FOLLOWS:

- _____ XXXXX A PRESSURE CHECK POTABLE WATER TANK PRESSURE RELIEF VALVE
 - 1 REMOVE RELIEF VALVE FROM TANK (MM 38-41-05)
 - 2 CONNECT TOOL 38-10-08-0012 TO AIR SOURCE OF AT LEAST 80 PSI.
 - 3 INSTALL RELIEF VALVE ON TEST FITTING.
 - 4 SUBMERGE RELIEF VALVE IN WATER.
 - 5 SLOWLY APPLY AIR PRESSURE BY OPENING PRESSURE REGULATOR UNTIL RELIEF VALVE POPPET IS UNSEATED TO PERMIT FLOW.
 - NOTE: CRACKING PRESSURE SHALL BE 45.0 +-5 PSI
 - 6 INCREASE AIR PRESSURE TO ASSURE FREEFLOW BY 56 PSIG OR LESS.
 - 7 DECREASE THE AIR PRESSURE TO RESEAT THE RELIEF VALVE POPPET.

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MECH: INSP:

NOTE: RESEAT PRESSURE SHALL BE 38.0 PSIG MINIMUM.

- 8 IF ANY OF THE CRACKING, FULL FLOW, OR RESEATING PRESSURES ARE OUTSIDE THE LIMITS, REMOVE THE VALVE FROM THE TEST SET UP AND ROUT TO STORES FOR OVERHAUL.
- 9 REINSTALL RELIEF VALVE USING A NEW O-RING IF TESTED WITHIN LIMITS; OTHERWISE, INSTALL A NEW VALVE ALSO USING A NEW O-RING (REF MM 38-41-05).

XXXXX B PERFORM A POTABLE WATER PRESSURIZATION AND LEAK TEST AS FOLLOWS:

- 1 ON CABIN OVERHEAD CIRCUIT BREAKER PANEL ZONE 130, OPEN AND TAG WATER SYSTEM PRESSURIZATION -1 AND 3 CIRCUIT BREAKERS (G2) AND (G5).
- 2 VERIFY POTABLE WATER TANK IS FULL (REF. MM 12-15-01).
- 3 GAIN ACCESS TO POTABLE WATER TANK(REF. 38-12-09). LOCATE TWO WATER SUPPLY SHUTOFF VALVES BELOW WATER TANK; CUT LOCK-WIRE AND CLOSE SHUTOFF VALVE.
- 4 LOCATE MANUAL SHUTOFF VALVE AT EACH LAVATORY, GALLEY, AND SERVICE CENTER. CUT LOCK-WIRE, AND CLOSE SHUTOFF VALVE.
- 5 CONNECT EXTERNAL AIR/NITROGEN HOSE TO AIRPRESSURE PORT.
- 6 GRADUALLY APPLY MINIMUM OF 150 PSI TO A MAXIMUM OF 3000 PSI AIR/NITROGEN PRESSURE TO INLET CONNECTOR.

DURING PRESSURIZATION, MONITOR WATER SYSTEM PRESSURE GAGES. ENSURE TANK PRESSURE DOES NOT EXCEED 40 PSI.

NOTE: THE AIR PRESSURE REGULATOR IN THE SYSTEM WILL ACCOMMODATE UP TO 3000 PSIG PRESSURE FROM AIR/NITROGEN BOTTLE OR SHOP AIR PRESSURE AND REDUCE IT TO TANK PRESSURE.

- 7 DISCONNECT AIR/NITROGEN SUPPLY WHEN TANK PRESSURE STABILIZES AT 25 TO 39 PSI.
- 8 MONITER TANK PRESSURE INDICATOR FOR 30 MINUTES, AND VERIFY PRESSURE DOES NOT DECREASE MORE THAN ONE (1) PSIG.

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MECH: INSP:

- 9 SLOWLY, OPEN POTABLE WATER TANK MANUAL SHUTOFF VALVE
- 10 SLOWLY OPEN EACH POTABLE WATER MANUAL SHUTOFF VALVE AT LAVATORIES, SERVICE CENTERS, AND GALLEY.
- 11 CHECK ALL CONNECTIONS FOR LEAKS BY APPLYING LEAK DETECTOR SOLUTION.
- 12 REMOVE TAGS AND CLOSE CIRCUIT BREAKERS OPENED IN STEP 5B1.
- 13 TURN ON ELECTRICAL POWER (REF. 24-41-00).
- 14 AT WATER GROUND SERVICE PANEL, PULL SYSTEM FILL & OVERFLOW CONTROL VALVE HANDLE AND BLEED OFF WATER TANK PRESSURE TO LESS THAN 29 PSIG. PUSH HANDLE BACK IN AND VERIFY FOLLOWING:
 - A BOTH COMPRESSORS START OPERATING.
 - B WATER CPRSR 1 AND WATER CPRSR 2 LIGHTS ON FLIGHT ENGINEER/SECOND OFFICERS ANNUNCIATOR PANEL GO OFF WHEN COMPRESSORS START OPERATING.
 - C OPEN CIRCUIT BREAKER WATER SYSTEM PRESSURIZATION 1. VERIFY NO. 1 COMPRESSOR STOPS OPERATING AND WATER CPRSR 1 LIGHT ON FLIGHT ENGINEER/SECOND OFFICERS ANNUNCIATOR PANEL COMES ON.
 - D CLOSE CIRCUIT BREAKER. VERIFY COMPRESSOR STARTS OPERATING AND ANNUNCIATOR WARNING LIGHT GOES OFF.
 - E OPEN CIRCUIT BREAKER WATER SYSTEM PRESSURIZATION 2. VERIFY NO. 2 COMPRESSOR STOPS OPERATING AND WATER CPRSR 1 LIGHT ON FLIGHT ENGINEER/SECOND OFFICERS
 - F VERIFY COMPRESSOR STARTS OPERATING AND ANNUNCIATOR WARNING LIGHT GOES OFF.
 - G COMPRESSORS AUTOMATICALLY STOP OPERATING AT APPROXIMATELY 40 PSIG.
 - H TURN OFF ELECTRICAL POWER (REF. 24-41-00).

*****END OF WORKCARD*****