

CHECK BEING PERFORMED: Custom

ZONES: 221 THRU 222  
 A/C NUMBER:  
 REV. DATE: 10/23/01  
 FREQUENCY: 1C

W/C NUMBER: 523M3801  
 DATE:  
 W/O:  
 JAC CODE:



MFR P/N	DESCRIPTION	QTY
13800-048	SOLENOID FLUSH VALVE SLEEVE	2
13800-007	VALVE	A/R

PANELS

112AB

REFERENCES

L10-11LM-1425 MM38-31-13 MONOGRAM INT. MANUAL 38-31-01 523M3801

MECH INSP

DRAIN/FLUSH/CLEAN/SERVICE/SYSTEM CHECK: FWD LAV

\*\*\*\*\* ATTENTION PRODUCTION SUPERVISOR\*\*\*\*\*  
 \*  
 \* ONCE THE CLEANING FLUID IS ADDED TO THE TOILET TANK, IT MUST \*  
 \* REMAIN WITHIN THE TANK AT LEAST 12 HOURS. THE FLUSHING SYSTEM \*  
 \* MUST BE ACTUATED THREE TIMES EACH HOUR TO ENSURE EFFECTIVE \*  
 \* CLEANING. FAILURE TO OBSERVE THIS PROCEDURE WILL RESULT IN \*  
 \* LINE DELAYS DUE TO LAV ODOR. \*  
 \*  
 \*\*\*\*\*

1 CLEANING PREPARATION AND INITIAL INSPECTION FOR FORWARD LAVS

A REMOVE TOILET BOWL SHROUD.

\_\_\_\_\_ XXXXX LH FWD LAV

\_\_\_\_\_ XXXXX RH FWD LAV

\_\_\_\_\_ XXXXX B REMOVE FWD LAV TANK SHROUD COVER.

XXXXX \_\_\_\_\_ C INSPECT THE AREAS SURROUNDING EACH LAVATORY UNIT,  
 LAV WASTE STORAGE TANK, DUMP LINES AND FILL LINES  
 FOR EVIDENCE OF BLUE WATER LEAKS OR SPILLS.  
 GENERATE A NON-ROUTINE AND FORM M99-38-01, IF  
 EVIDENCE OF A SPILL OR LEAKAGE IS FOUND.

XXXXX \_\_\_\_\_ D INSPECT FUSELAGE SKIN AND RIVETS IN AREA OF LAVATORY  
 SERVICE PANEL FOR SIGNS OF CORROSION AND GENERAL  
 CONDITION.

\_\_\_\_\_ XXXXX E ON FLIGHT ENGINEERS/OVERHEAD C/B PANEL CLOSE THE  
 FOLLOWING FWD LAV TOILET FLUSH PUMP CIRCUIT BREAKERS:

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MECH: INSP:

- 
- (B3) FWD LAV FLUSH PUMP (NO 1)
  - (B6) FWD LAV FLUSH PUMP (NO 2)
  - (B9) FWD LAV FLUSH PUMP (NO 3)

## 2 LAVATORY TANK CLEANING AND FUNCTIONAL CHECKS

- \_\_\_\_\_ XXXXX A AT FWD LAVATORY GROUND SERVICE PANEL TURN SERVICE PANEL LIGHT SWITCH ON TO PREVENT LAV TANK VENTING AND, ON AIRCRAFT 160AT THROUGH 164AT ONLY, DEPRESS PRESS TO TEST BUTTON VERIFYING TANK QUANTITY LIGHTS COME ON.
- \_\_\_\_\_ XXXXX B CONNECT LAVATORY SERVICING TRUCK TO DUMP CHUTE.
- \_\_\_\_\_ XXXXX C ATTACH SPRING SCALE TO DRAIN VALVE HANDLE. OPERATE VALVE AND VERIFY OPERATING TORQUE DOES NOT EXCEED 60 POUND INCH. VERIFY TORQUE REQUIRED TO MOVE HANDLE OUT OF DETENT FROM EITHER CLOSED OR OPEN POSITION DOES NOT EXCEED 63 - 67 POUND - INCH.
- NOTE: TO CONVERT POUND TO POUND-INCH, MEASURE DISTANCE FROM HANDLE PIVOT TO PULLING POINT AND MULTIPLY DISTANCE IN INCHES BY POUNDS.
- \_\_\_\_\_ XXXXX D VERIFY BALL DRAIN VALVE OPENS TO ITS FULLY OPEN POSITION. IF BALL VALVE DOES NOT OPEN FULLY, ADJUST BALL VALVE CONTROL ROD (REF. 38-31-13).
- \_\_\_\_\_ XXXXX E ALLOW WASTE TANK TO DRAIN COMPLETELY AND CLOSE (PUSH IN) DRAIN VALVE HANDLE.
- \_\_\_\_\_ XXXXX F ENSURE DRAIN HANDLE IS AGAINST STOP AND UNDER FWD LAV TANK AT BALL VALVE, CHECK 1/32 TO 1/16 INCH CLEARANCE BETWEEN VALVE LEVER SHAFT PIN AND VALVE BODY STOP. IF OUT OF LIMITS, ADJUST AS PER MM 38-31-13.
- \_\_\_\_\_ XXXXX G PRECHARGE FWD LAVATORY TANK WITH APPROXIMATELY 15 GALLONS OF HONEYBEE 76 CLEANER (OR EQUIVALENT). ON AIRCRAFT 160AT THROUGH 164AT ONLY, ENSURE PRECHARGE LIGHT IS ILLUMINATED.
- H FLUSH EACH FWD LAV TOILET AND VERIFY THE FOLLOWING:
- 1 FLUSHING TIME IS BETWEEN 11 - 13 SECONDS
  - 2 FLOW IS CONFINED WITHIN INNER SURFACE OF BOWL.
  - 3 CHECK EACH TOILET ASSEMBLY FOR ANY LEAKS FROM BOWL TO LAV TANK.

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MECH: INSP:

\_\_\_\_\_ XXXXX LH FWD LAV

\_\_\_\_\_ XXXXX RH FWD LAV

\*\*\*\*\*  
 \* CAUTION: THE FOLLOWING PROCEDURES COMPLETELY FILLS LAV TANK. \*  
 \* IF OVERFLOW OF TANK THROUGH VENT LINE OR LEAKAGE \*  
 \* OCCURS, IT IS IMPERATIVE THAT A NONROUTINE REQUIRING\*  
 \* THE ACCOMPLISHMENT OF FORM M99-38-01 TO THE SPILL \*  
 \* AREA IS GENERATED AND ACCOMPLISHED IMMEDIATELY! \*  
 \* CLEANER CAN CAUSE DAMAGE AND/OR DETERIORATION OF \*  
 \* AIRCRAFT SURFACES. \*  
 \*\*\*\*\*

\_\_\_\_\_ XXXXX I FILL WASTE TANK WITH HONEYBEE 76 CLEANER (OR EQUIVALENT)  
 UNTIL TANK IS 3/4 FULL (APPROXIMATELY 15 GALLONS OVER  
 PRECHARGE LEVEL). FOR AIRCRAFT 160AT THROUGH 164AT,  
 ENSURE 3/4 FULL LIGHT ILLUMINATES.

\_\_\_\_\_ XXXXX J FILL WASTE TANK WITH HONEYBEE 76 CLEANER (OR EQUIVALENT)  
 UNTIL TANK IS FULL (APPROXIMATELY 10 GALLONS OVER 3/4 FULL  
 LEVEL) AND ENTER FILL DATE AND TIME BELOW. WHILE FILLING  
 WASTE TANK, CHECK FILL LINE IN FESC FOR LEAKS. FOR AIRCRAFT  
 160AT THROUGH 164AT, ENSURE FULL LIGHT ILLUMINATES.

FWD TANK FILL DATE: \_\_\_\_\_

TIME: \_\_\_\_\_

NOTE: FOR BEST RESULTS, USE UNDILUTED HONEYBEE 76 CLEANER.  
DILUTION OF THE CLEANER WILL REDUCE ITS  
EFFECTIVENESS.

NOTE: LET THE CLEANING SOLUTION STAND AT LEAST 12 HOURS OR  
LONGER.

\_\_\_\_\_ XXXXX K DISCONNECT LAV SERVICING TRUCK, TURN OFF SERVICE PANEL LIGHT  
 SWITCH, PERMIT SYSTEM TO STAND FULL FOR ONE HOUR MINIMUM AND  
 CHECK BALL VALVE FOR LEAKAGE WITH DRAIN CAPS OPEN.  
 RECORD DATE AND TIME CHECKED BELOW.

FWD TANK LEAK CHECK DATE: \_\_\_\_\_

TIME: \_\_\_\_\_

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MECH: INSP:

L FLUSH EACH FWD LAVATORY TOILET APPROXIMATELY ONCE AN HOUR UNTIL 12 HR SOAKING TIME IS COMPLETED.

XXXXX LH LAV

XXXXX RH LAV

M ENSURING AT LEAST 12 HOURS HAVE ELAPSED SINCE THE CLEANING FLUID WAS ADDED ACCOMPLISH THE FOLLOWING:

- 1 DRAIN AND FLUSH THE FWD LAV TANK.
2 IN FESC CHECK DRAIN LINES FOR LEAKS. GENERATE A NON-ROUTINE AND FORM M99-38-01, IF EVIDENCE OF A SPILL OR LEAKAGE IS FOUND.
3 RECORD DATE AND TIME TANK WAS DRAINED.

FWD TANK DRAIN DATE: \_\_\_\_\_

TIME: \_\_\_\_\_

3 FWD LAVATORY AREA AND COMPONENT CLEANING

\*\*\*\*\*
\* WARNING: STEP 3 (EXCLUDING STEP 3G) MUST BE ACCOMPLISHED \*
\* ONLY AFTER STEPS 1 AND 2 ARE COMPLETED. FAILURE TO \*
\* DO SO COULD CAUSE POSSIBLE INJURY TO PERSONNEL AND \*
\* DAMAGE TO AIRCRAFT. \*
\*\*\*\*\*

XXXXX A ON FLIGHT ENGINEERS/OVERHEAD C/B PANEL PULL AND TAG THE FOLLOWING FWD LAV TOILET FLUSH PUMP CIRCUIT BREAKERS:

- (B3) FWD LAV FLUSH PUMP (NO 1)
(B6) FWD LAV FLUSH PUMP (NO 2)
(B9) FWD LAV FLUSH PUMP (NO 3)

B REMOVE FWD LAV TOILET BOWLS.

XXXXX LH LAV

XXXXX RH LAV

XXXXX C REMOVE BOTH FORWARD TOILET SOLENOID FLUSH VALVES FROM

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MECH: INSP:

BOWLS.

\_\_\_\_\_ XXXXX D CLEAN PAPER FROM INSIDE OF FLUSH LINES.

E CLEAN AND INSPECT EACH FLUSH VALVE ASSEMBLY PAYING PARTICULAR ATTENTION TO THE VALVE BODY. VERIFY NO CRACKING OR STRIPPED THREADS EXIST. VERIFY THAT THE VALVE P/N IS 13800-007, IF NOT REPLACE WITH P/N 13800-007. REPLACE RUBBER SLEEVE LOCATED BETWEEN THE INLET AND OUTLET PORTS OF THE VALVE BODY WITH A NEW ONE IAW MONOGRAM INTERIORS MANUAL 38-31-01.

NOTE: WHEN RE-ASSEMBLING FLUSH VALVE, USE EXTREME CARE NOT TO CROSS-THREAD OR OVER-TIGHTEN THE SOLENOID INTO THE VALVE BODY.

\_\_\_\_\_ XXXXX L/H LAV

\_\_\_\_\_ XXXXX R/H LAV

F "APPEARANCE & FURNISHINGS" USING AN APPROVED CLEANER AND DISINFECTANT, CLEAN THE FOLLOWING AREAS IN EACH LAV:

- 1 DRAIN CHUTE FLANGE AND MATING AREA
- 2 TOILET SHROUD SUPPORTS
- 3 AREA BELOW LAVATORY SINK
- 4 FLOOR PAN
- 5 ALL CORNERS AND CREVICES OF THE LAVATORY WALLS AND FLOOR

\_\_\_\_\_ XXXXX LH LAV

\_\_\_\_\_ XXXXX RH LAV

G "APPEARANCE & FURNISHINGS" USING AN APPROVED CLEANER AND DISINFECTANT, CLEAN THE FOLLOWING COMPONENTS IN EACH LAV:

- 1 LIGHT LENSES
- 2 GASPER AIR FIXTURE
- 3 BABY CHANGING TABLE (-1 A/C LAVS ONLY)

\_\_\_\_\_ XXXXX LH LAV

\_\_\_\_\_ XXXXX RH LAV

H "APPEARANCE & FURNISHINGS" USING AN APPROVED CLEANER AND DISINFECTANT, CLEAN THE FOLLOWING REMOVED COMPONENTS FOR

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MECH: INSP:

EACH LAV:

- 1 TOILET BOWLS
- 2 TOILET SHROUD
- 3 FWD LAV TANK COVER

\_\_\_\_\_ XXXXX

LH LAV

\_\_\_\_\_ XXXXX

RH LAV

\_\_\_\_\_ XXXXX

I REINSTALL BOTH FLUSH VALVES AND BOWLS. DO NOT INSTALL SHROUD AT THIS TIME.

\_\_\_\_\_ XXXXX

L/H LAV

\_\_\_\_\_ XXXXX

R/H LAV

J REMOVE AND CLEAN EACH MOTOR PUMP FILTER UNIT ASSEMBLY IAW MM 38-31-31.

\_\_\_\_\_ XXXXX

NO 1

\_\_\_\_\_ XXXXX

NO 2

\_\_\_\_\_ XXXXX

NO 3

\_\_\_\_\_ XXXXX

K CHECK FWD LAV TANK INTERIOR FOR CLEANLINESS.

\_\_\_\_\_ XXXXX

L REMOVE FWD LAV TANK FLUSHING NOZZLES (6 EACH) IAW MM 38-31-22.

\_\_\_\_\_ XXXXX

M DISASSEMBLE, THOROUGHLY CLEAN AND REASSEMBLE FWD LAV TANK FLUSH NOZZLES (6 EACH).

\_\_\_\_\_ XXXXX

N REINSTALL FWD LAV TANK FLUSH NOZZLES (6 EACH).

O REINSTALL EACH MOTOR PUMP FILTER UNIT ASSEMBLY IAW MM 38-31-31.

\_\_\_\_\_ XXXXX

NO 1

\_\_\_\_\_ XXXXX

NO 2

\_\_\_\_\_ XXXXX

NO 3

\_\_\_\_\_ XXXXX

P CLEAN THE FORWARD LAV TANK OVERBOARD VENT LINE.

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MECH: INSP:

DISASSEMBLE THE VENT LINE AS NECESSARY TO ASSURE VENT IS CLEAN AND NOT RESTRICTED WITH PAPER FROM THE TOP OF THE TOILET TANK TO THE OVERBOARD DISCHARGE PORT.

NOTE: ACCOMPLISH WITH LIKE TASK ON B CHECK.

4 FWD LAV SYSTEM FINAL CLEAN AND CLOSE-UP

XXXXX A ON FLIGHT ENGINEERS/OVERHEAD C/B PANEL CLOSE THE FOLLOWING FWD LAV TOILET FLUSH PUMP CIRCUIT BREAKERS:

- (B3) FWD LAV FLUSH PUMP (NO 1)
(B6) FWD LAV FLUSH PUMP (NO 2)
(B9) FWD LAV FLUSH PUMP (NO 3)

XXXXX B AT GROUND SERVICE PANEL TURN ON PANEL LIGHT SWITCH, CONNECT LAV SERVICING TRUCK AND ACCOMPLISH THE FOLLOWING:

- 1 PRECHARGE FWD LAVATORY WASTE TANK (APPROXIMATELY 15 GALLONS) WITH FLUID. ON AIRCRAFT 160AT THROUGH 164AT, ENSURE PRECHARGE LIGHT ILLUMINATES.
2 VERIFY FLUSH NOZZLES AND ALL FLUID LINES CONNECTED TO FWD LAV TANK, DO NOT LEAK AT ANY POINT IN THE SYSTEM AND CORRECT LEAKS AS REQUIRED.
3 TURN FWD LAV SERVICING PANEL LIGHT SWITCH TO THE OFF POSITION, AND CLOSE GUARD ON SWITCH.

C FLUSH EACH FWD LAV TOILET 3 TIMES AND VERIFY THE FOLLOWING:

- 1 FLUSHING TIME IS BETWEEN 11 - 13 SECONDS
2 FLOW IS CONFINED WITHIN INNER SURFACE OF BOWL.
3 EACH FLUSH PUMP MOTOR OPERATES ONCE EVERY 3 FLUSHES.
4 NO FLUID LEAKS EXIST FROM BOWL TO LAV TANK.

XXXXX LH FWD LAV

XXXXX RH FWD LAV

XXXXX D "APPEARANCE & FURNISHINGS" USING AN APPROVED CLEANER, CLEAN FWD LAV GROUND SERVICE CONNECTION BOX.

XXXXX LH FWD LAV

XXXXX RH FWD LAV

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MECH: INSP:

\_\_\_\_\_ XXXXX E IN FESC, REINSTALL FWD TANK SHROUD COVER

F IN EACH FWD LAVATORY, REINSTALL TOILET BOWL SHROUD.

\_\_\_\_\_ XXXXX LH FWD LAV

\_\_\_\_\_ XXXXX RH FWD LAV

5 FINAL INSPECTION

A FINAL INSPECT THE FOLLOWING FWD LAVATORY WASTE SYSTEM  
SERVICING ITEMS:

XXXXX \_\_\_\_\_ 1 INSPECT FWD LAV GROUND SERVICE PANEL SERVICING  
INSTRUCTIONS PLACARD FOR CONDITION, SECURITY, AND  
LEGIBILITY PER MM CHAPTERS 11-11-10, 11-11-60 AND  
38-31-00.

2 INSPECT FWD LAVATORY TOILET SHROUDS FOR CONDITION AND  
WORN OR MISSING PLACARDS.

XXXXX \_\_\_\_\_ LH LAV

XXXXX \_\_\_\_\_ RH LAV

\_\_\_\_\_ XXXXX B CLOSE FWD WASTE SERVICING ACCESS DOOR.

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