



BOEING
767
FAULT ISOLATION/MAINT MANUAL

Scandinavian Airlines System

PAGE	DATE	CODE	PAGE	DATE	CODE	PAGE	DATE	CODE
CHAPTER 38 TAB			38-BITE INDEX					
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7	APR 10/98	08	123	AUG 22/99	01			
8	BLANK		124	AUG 22/04	06			
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			130	AUG 22/04	02			
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R = REVISED, A = ADDED OR D = DELETED
F = FOLDOUT PAGE
33
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CHAPTER 38
EFFECTIVE PAGES
PAGE 1
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CHAPTER 38 - WATER/WASTE

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SAS

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CHAPTER 38 - WATER/WASTE

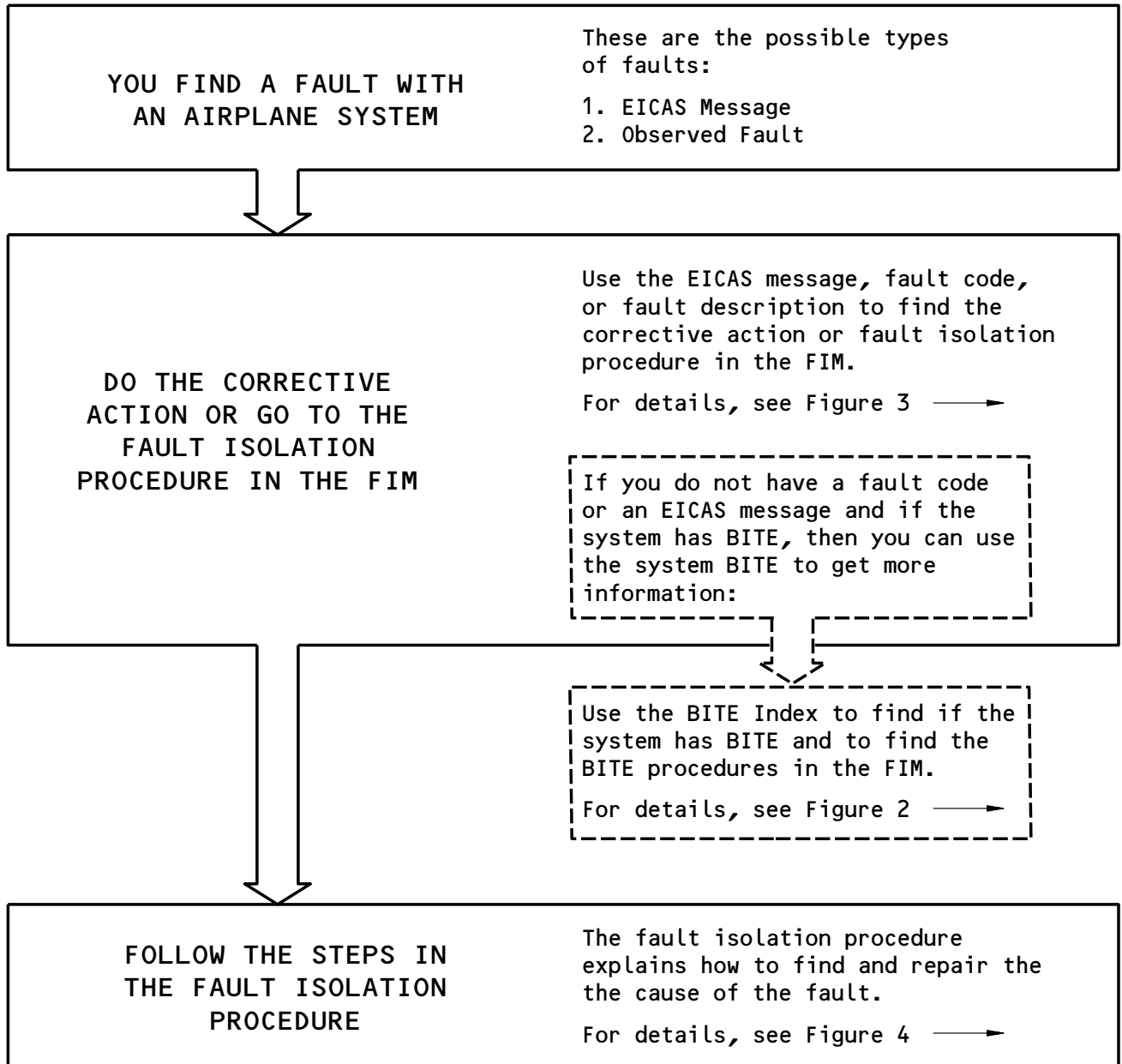
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SAS

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Basic Fault Isolation Process
Figure 1

EFFECTIVITY

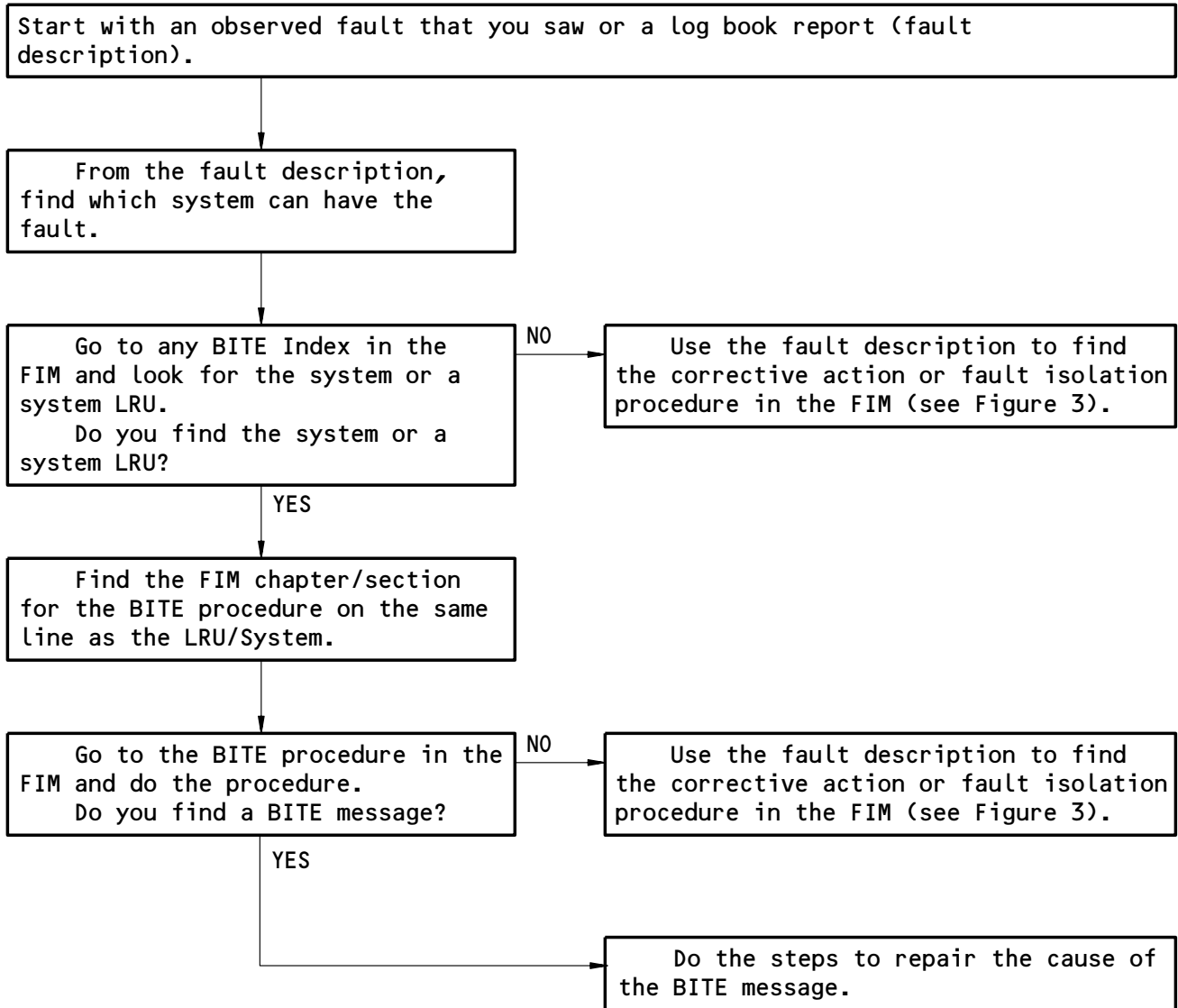
ALL

38-HOW TO USE THE FIM

01

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How to Get Fault Information from BITE
Figure 2

EFFECTIVITY

ALL

38-HOW TO USE THE FIM

01

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IF YOU HAVE:

THEN DO THIS TO FIND THE CORRECTIVE ACTION OR FAULT ISOLATION PROCEDURE IN THE FIM:

FAULT CODE

1. The first two digits of the fault code are the FIM chapter that you need. Go to the Fault Code Index in that chapter and find the fault code.
2. Find the Fault Isolation Reference for the fault code and do the corrective action. If there is a FIM reference, then go to that fault isolation procedure in the FIM and do the steps in the procedure (see Figure 4).

EICAS MESSAGE TEXT
(with no fault code)

1. If you know the chapter of the EICAS message, then go to the EICAS Messages section in that chapter and find the EICAS message.

If you do not know the chapter of the EICAS message, then do these steps:
 - A. Go to FIM EICAS MESSAGE LIST and find the EICAS message in the table.

NOTE: The list follows the INTRODUCTION to the FIM.
 - B. Find the chapter number on the same line as the EICAS message. Go to the EICAS Messages section in that chapter and find the EICAS message.
2. Do the corrective action in the "Procedure" column for the EICAS message. If there is a FIM reference, then go to that fault isolation procedure in the FIM and do the steps in the procedure (see Figure 4).

OBSERVED FAULT DESCRIPTION

1. Go to the Fault Code Diagram for the problem in the applicable chapter.
2. Do the fault analysis on the diagram and find the fault code.
3. The first two digits of the fault code are the FIM chapter that you need. Go to the Fault Code Index in that chapter and find the fault code.
4. Find the Fault Isolation Reference for the fault code and do the corrective action. If there is a FIM reference, then go to that fault isolation procedure in the FIM and do the steps in the procedure (see Figure 4).

How to Find the Corrective Action or Fault Isolation Procedure in the FIM
Figure 3

EFFECTIVITY	ALL
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38-HOW TO USE THE FIM

ASSUMED CONDITIONS AT START OF TASK

- External electrical power is OFF
- Hydraulic power and pneumatic power are OFF
- Engines are shut down
- Circuit breakers for the system are closed
- No equipment in the system is deactivated

PREREQUISITES

- This box gives the steps to get the airplane from the normal shutdown condition to the configuration necessary to do the fault isolation procedure.
- The Prerequisites give procedure references, circuit breakers, and special tools and equipment requirements.

FAULT ISOLATION BLOCKS

- Start the fault isolation procedure at block 1 unless specified differently.
- Do the check to get an answer to the question in the box. Follow the arrow that applies to your answer. This will go to the next check.
- When you get to a box in the column at the right of the page, you have isolated that fault. Do the steps in that box to repair the cause of the fault.
- Make sure that fault is corrected to complete the procedure.

Do the Fault Isolation Procedure
Figure 4

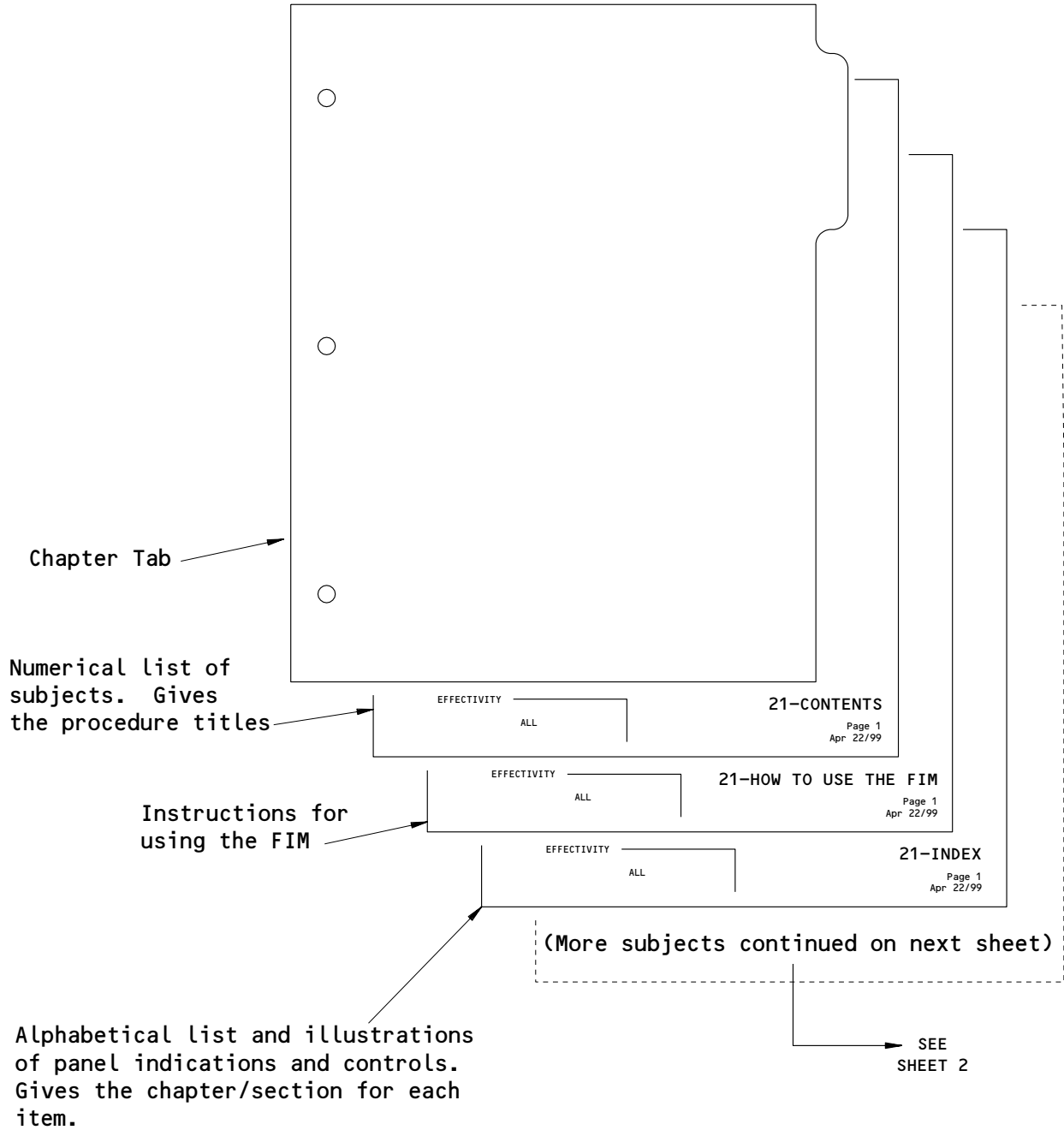
EFFECTIVITY

ALL

38—HOW TO USE THE FIM

01

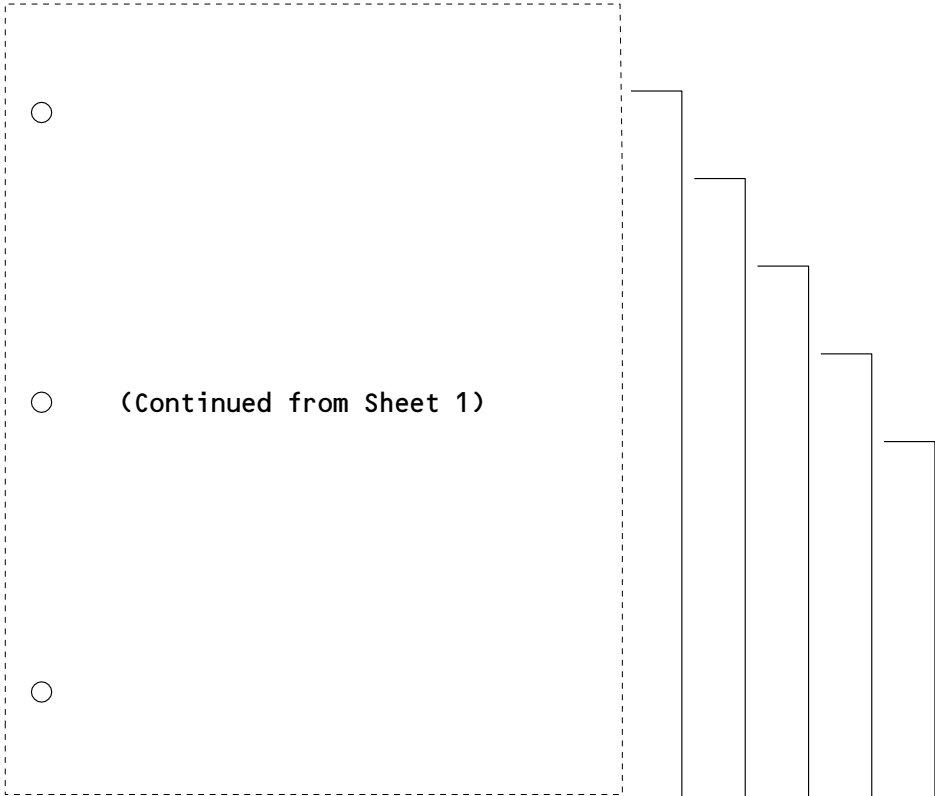
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Subjects in Each FIM Chapter
Figure 5 (Sheet 1)

<p>EFFECTIVITY</p> <hr/> <p align="center">ALL</p>	<p align="center">38-HOW TO USE THE FIM</p> <p align="right">01 Page 5 Aug 22/99</p>
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Alphabetical list of the EICAS messages. Gives the procedure to repair the cause of the message or a reference to a fault isolation procedure.

Failure analysis diagrams for the airplane systems to find the correct fault code for the fault.

Numerical list of fault codes. Gives the procedure to repair the cause of the fault or a reference to a fault isolation procedure.

EFFECTIVITY	ALL	21-EICAS MESSAGES	Page 1 Apr 22/99
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EFFECTIVITY	ALL	21-FAULT CODE DIAGRAMS	Page 1 Apr 22/99
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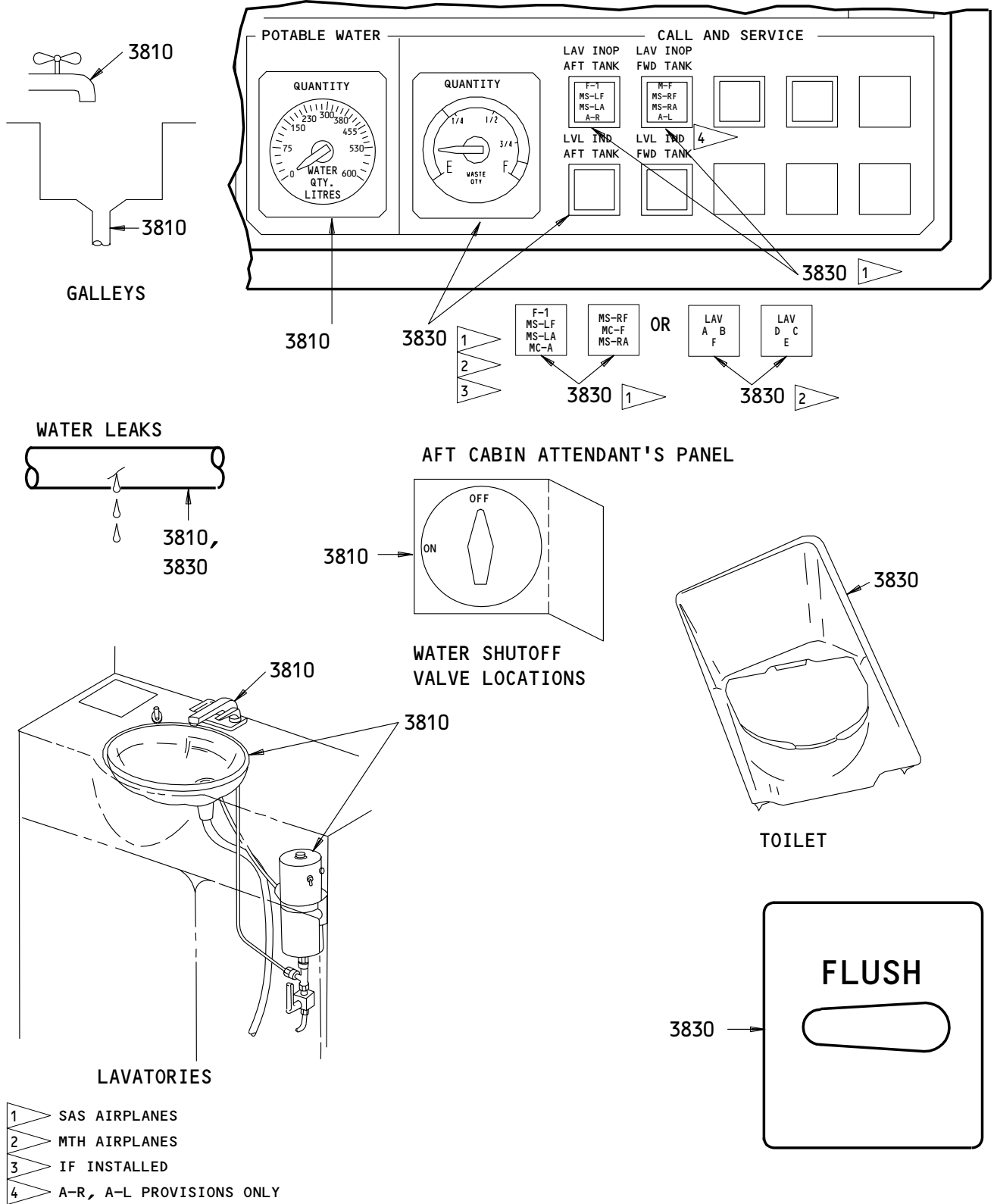
Alphabetical list of all the LRUs/systems that have BITE. Gives the chapter/section for the BITE procedure.

Component index, component location, and fault isolation procedures for the systems in the chapter.

Subjects in Each FIM Chapter
Figure 5 (Sheet 2)

EFFECTIVITY	ALL
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38-HOW TO USE THE FIM



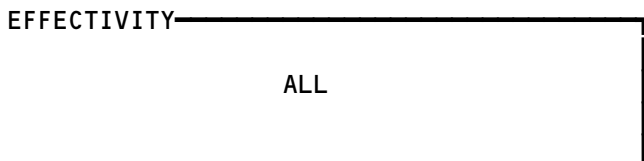
WATER AND WASTE - INDEX

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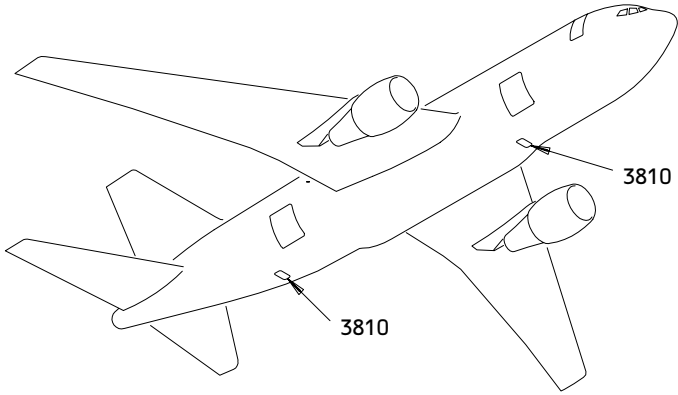
38-INDEX

<u>TITLE</u>	<u>CHAP/SEC</u>
GALLEYS	
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LEAKS	3810
NOISE	3810
SINK DRAINS	3810
LAVATORIES	
BASIN DRAINS	3810
DOOR	CHAPTER 25
FLUSH	3830
LAV INOP CHECK	3830
LEAKS	3810,3830
NOISE	3830
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LEAKS	3810
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WATER AND WASTE – CONTENTS



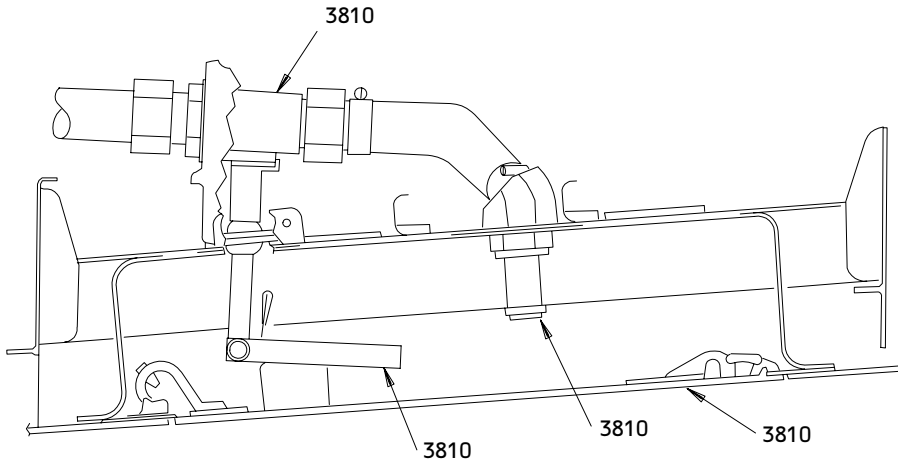
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TITLE

CHAP/SEC

POTABLE WATER
 DRAIN VALVES 3810



WATER AND WASTE - CONTENTS (GROUND)

EFFECTIVITY	ALL
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38-INDEX

WATER/WASTE - EICAS MESSAGE LIST

1. General

- A. This procedure shows the EICAS message locations and gives a list of procedures to find the solution for each message.
- (1) EICAS Message Locations (Fig. 1)
 - (a) Figure 1 shows the location of the display units and the area where the messages show on the display units.
 - (b) Each message level has a different location. The location and color of each message level is also shown.
 - (2) The EICAS MESSAGE LIST gives the message, level, and procedure for each message.
 - (a) The EICAS MESSAGE column lists the messages alphabetically. Messages which start with L, R, or C are put together and alphabetized at L.
 - (b) The LEVEL column gives all levels for each message as follows:
 - A - Warning messages
 - B - Caution messages
 - C - Advisory messages
 - S - Status messages
 - M - Maintenance messages
 - (c) The PROCEDURE column gives the steps that are necessary to remove the message and includes one or more of the procedures that follow:
 - 1) A Fault Isolation Manual procedure reference
 - 2) A Maintenance Manual procedure and reference
 - 3) Wiring checks and a Wiring Diagram Manual reference
 - 4) A reference to an EICAS message list in a different chapter.
 - 5) A reference to a FAULT CODE INDEX and specified fault codes
 - 6) A step to change the airplane configuration

EFFECTIVITY

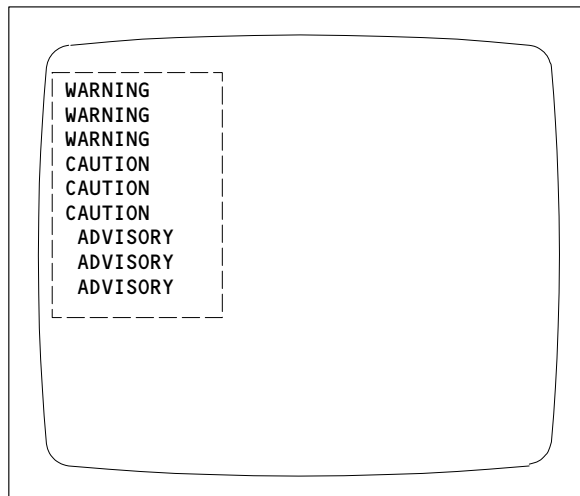
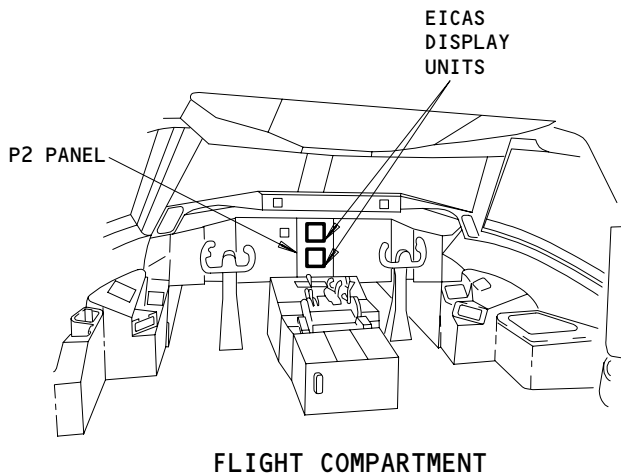
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38-EICAS MESSAGES

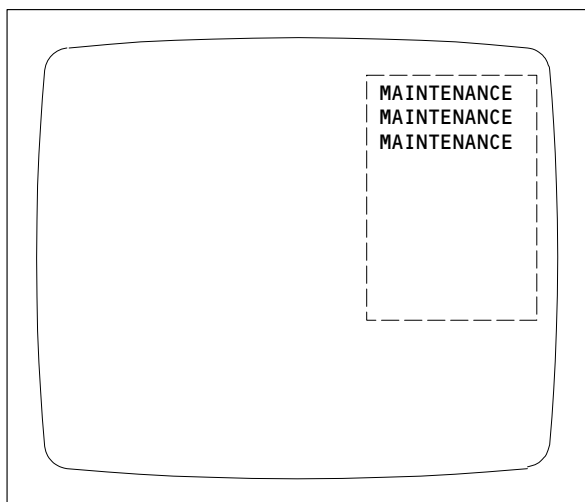
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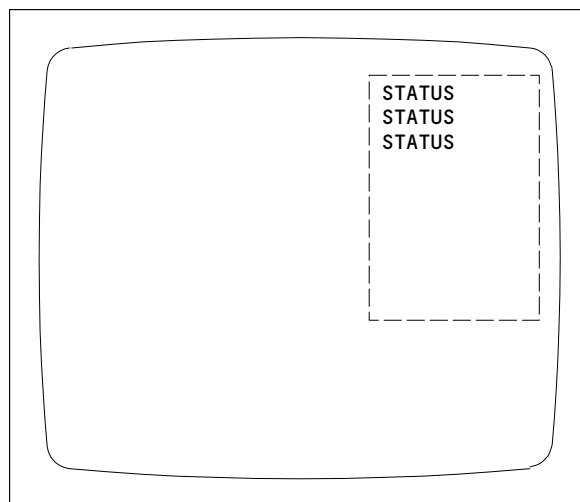

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ENGINE PRIMARY PAGE OR COMPACTED PAGE
(TOP DISPLAY UNIT)



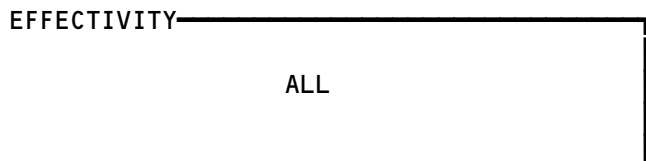
ECS/MSG PAGE
(BOTTOM DISPLAY UNIT)



STATUS PAGE
(BOTTOM DISPLAY UNIT)

LEVEL	COLOR
A-WARNING	RED
B-CAUTION	YELLOW
C-ADVISORY	YELLOW
S-STATUS	WHITE
M-MAINTENANCE	WHITE

EICAS Message Locations
Figure 1



38-EICAS MESSAGES


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EICAS MESSAGE LIST		
EICAS MESSAGE	LEVEL	PROCEDURE
FWD (AFT) WASTE SNSR	M	<p>AIRPLANES WITHOUT CONTINUOUS LEVEL SENSORS; clean the point level sensors in the forward (aft) waste tank (AMM 12-17-01/301 and AMM 38-33-01/701).</p> <p>AIRPLANES WITH CONTINUOUS LEVEL SENSORS; push and hold the LAV INOP FWD (AFT) TANK switch on the aft attendant panel. Hold it in for a minimum of six seconds then release it. If the problem continues, clean the point level sensors for the forward (aft) waste tank (AMM 12-17-01/301 and AMM 38-33-01/701).</p>

EFFECTIVITY _____

ALL

38-EICAS MESSAGES

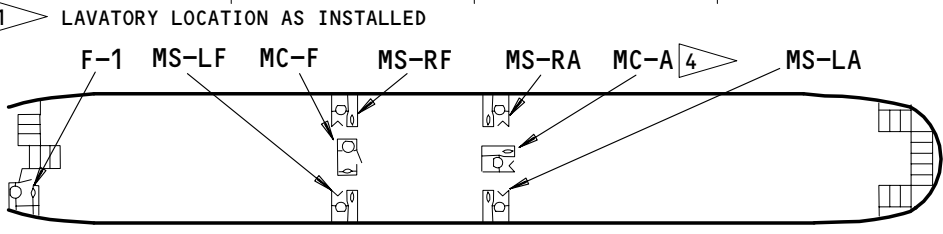
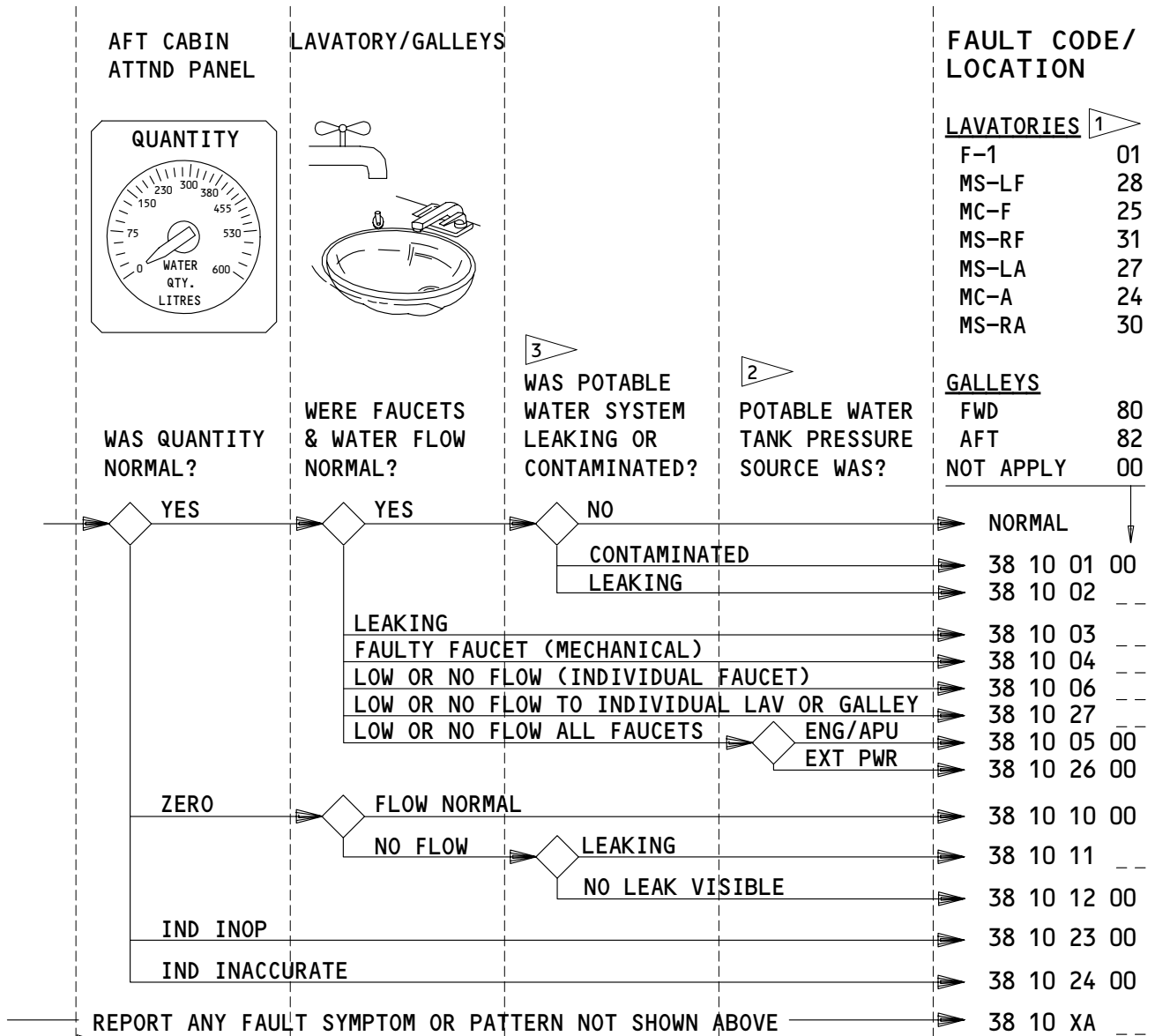
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2 TANK PRESSURE SOURCES ARE ELECTRIC DRIVEN AIR COMPRESSOR AND ENG/APU BLEED AIR. EXT POWER OPERATES THE COMPRESSOR.

3 SEE "WATER SHUTOFF VALVE LOCATIONS" PAGE IF NECESSARY TO SHUTOFF WATER.

APPLICABLE CIRCUIT BREAKERS
 11U28 ENT LTS/POT WATER

POTABLE WATER - FAULT CODES

EFFECTIVITY
 SAS AIRPLANES

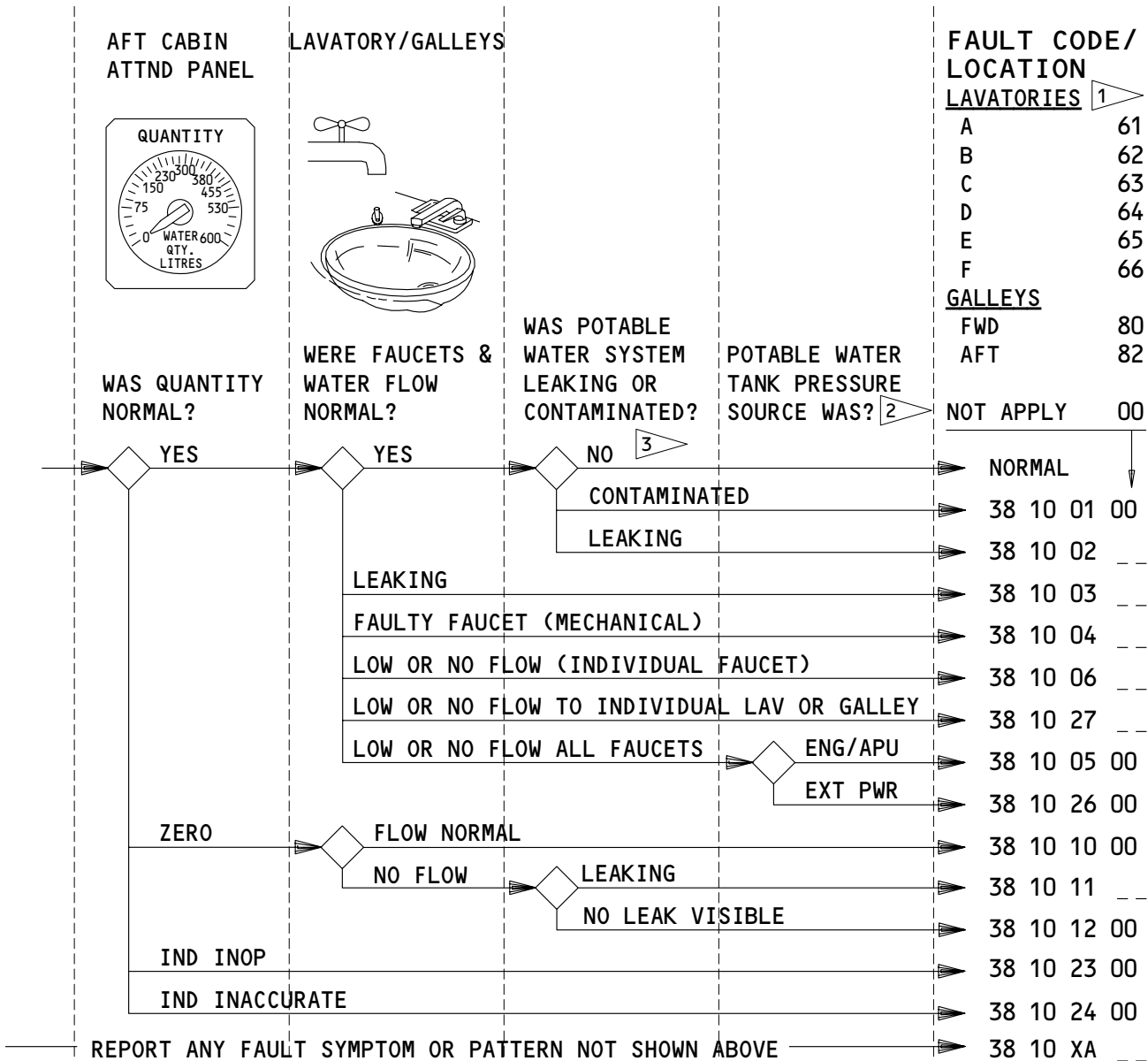
38-FAULT CODE DIAGRAM

588850

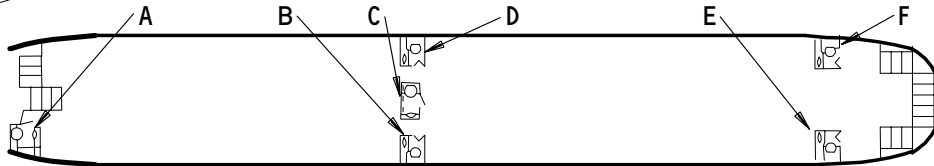
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FAULT ISOLATION/MAINT MANUAL



¹ LAVATORY LOCATION



² TANK PRESSURE SOURCES ARE ELECTRIC DRIVEN AIR COMPRESSOR AND ENG/APU BLEED AIR. EXT POWER OPERATES THE COMPRESSOR.

³ SEE "WATER SHUTOFF VALVE LOCATION" PAGE IF NECESSARY TO SHUTOFF WATER

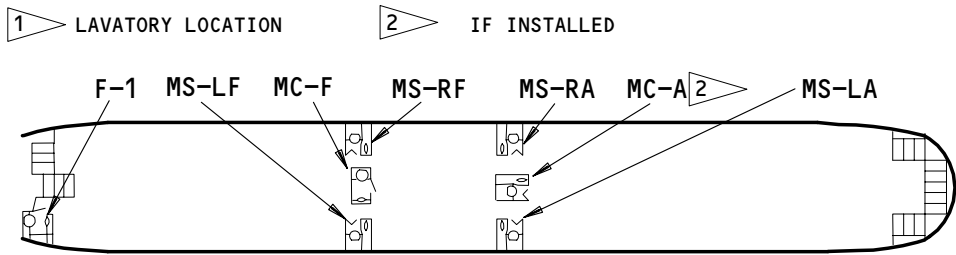
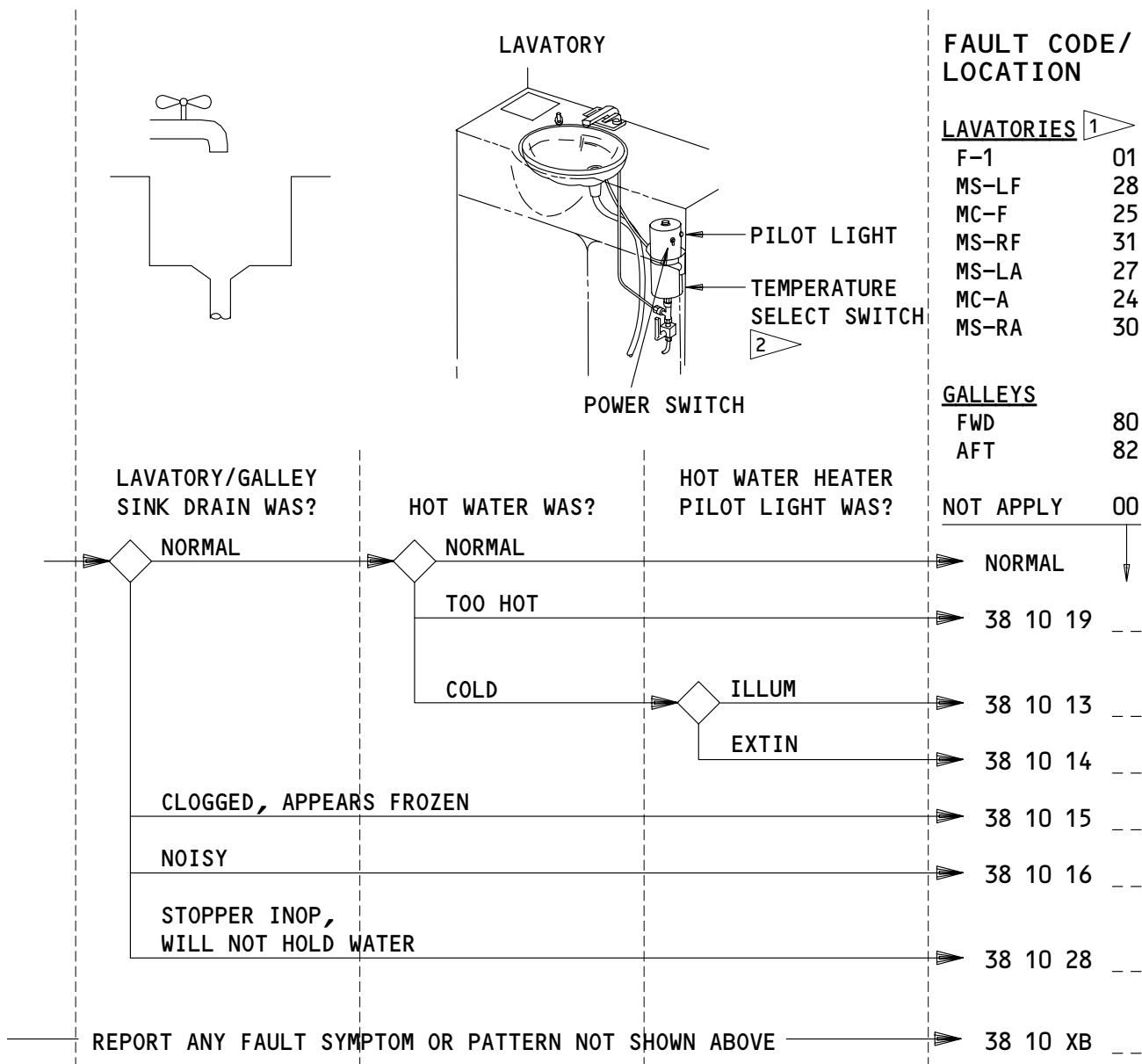
APPLICABLE CIRCUIT BREAKERS

11U28 ENT LTS/POT WATER

POTABLE WATER – FAULT CODES

EFFECTIVITY
MTH AIRPLANES

38-FAULT CODE DIAGRAM



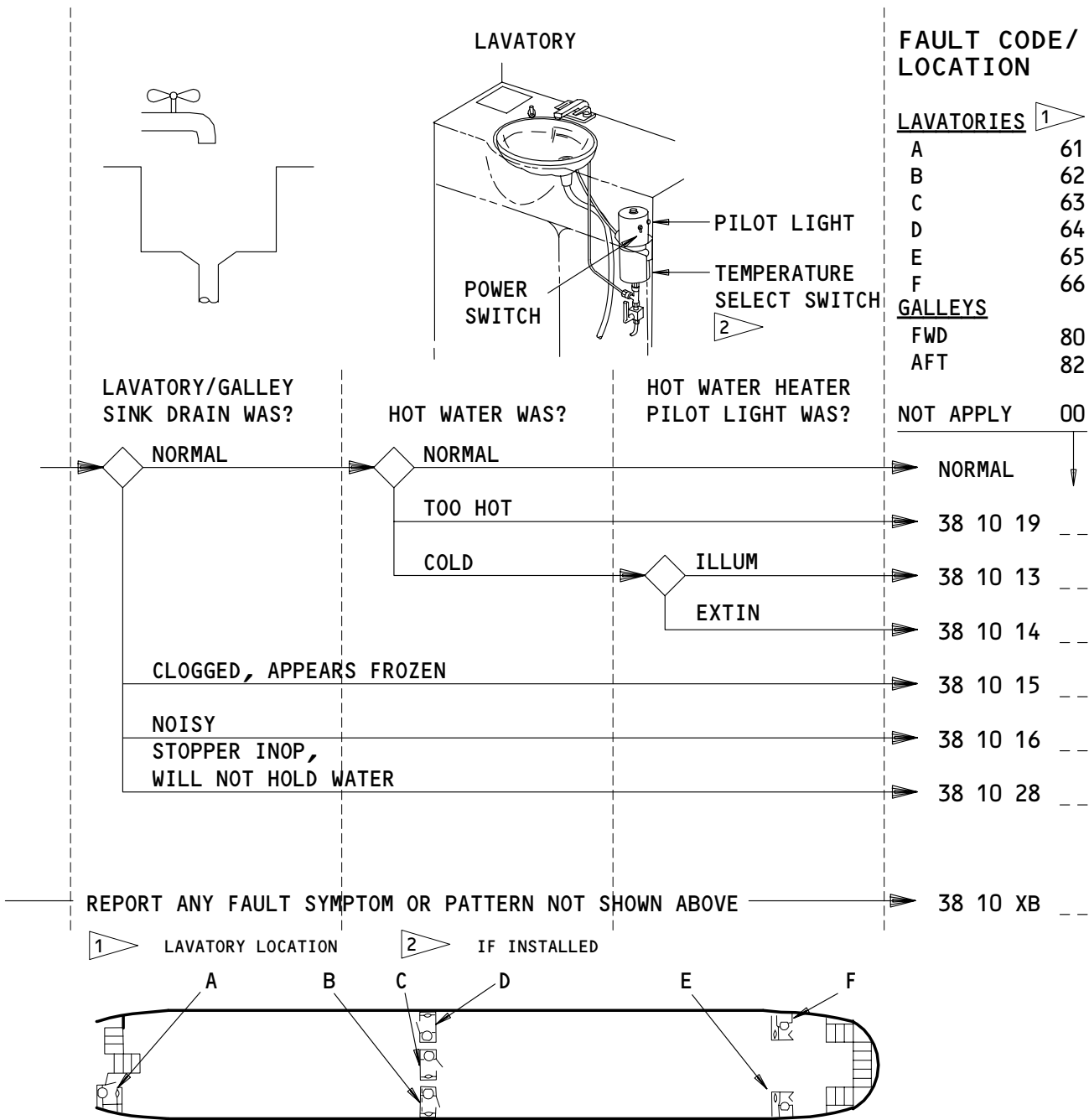
APPLICABLE CIRCUIT BREAKERS
NONE

LAVATORY/GALLEY DRAINS AND HOT WATER HEATERS - FAULT CODES

EFFECTIVITY
SAS AIRPLANES

38-FAULT CODE DIAGRAM

588852



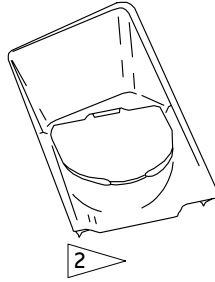
APPLICABLE CIRCUIT BREAKERS
NONE

LAVATORY/GALLEY DRAINS AND HOT WATER HEATERS – FAULT CODES

EFFECTIVITY
MTH AIRPLANES

38-FAULT CODE DIAGRAM

TOILET



DID TOILET HAVE LOUD AIR NOISE,
LEAK OR FILL WITH WATER?

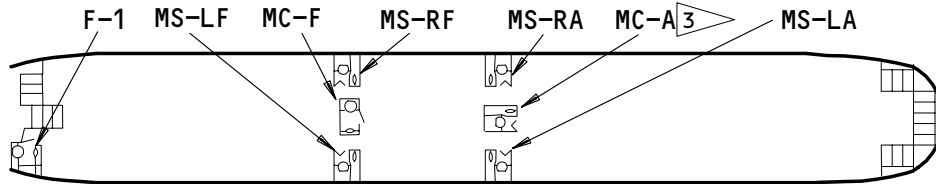
FAULT CODE/
LOCATION

LAVATORIES 1	
F-1	01
MS-LF	28
MC-F	25
MS-RF	31
MS-LA	27
MC-A	24
MS-RA	30
ALL	99
NOT APPLY	00

NO	TO SHEET 2
LOUD AIR NOISE	38 30 10
TOILET LEAKS WATER	38 30 11
TOILET FILLS WITH WATER	38 30 12

REPORT ANY FAULT SYMPTOM OR PATTERN NOT SHOWN ABOVE → 38 30 XA

1 LAVATORY LOCATION.



2 SEE "WATER SHUTOFF VALVE LOCATIONS" PAGE IF NECESSARY TO SHUTOFF WATER.

3 IF INSTALLED

APPLICABLE CIRCUIT BREAKERS
NONE

LAVATORY WASTE (SHEET 1) - FAULT CODES

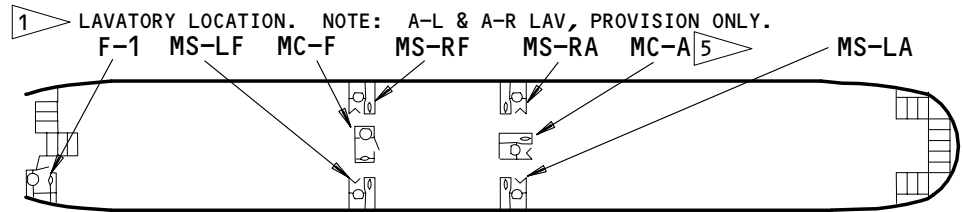
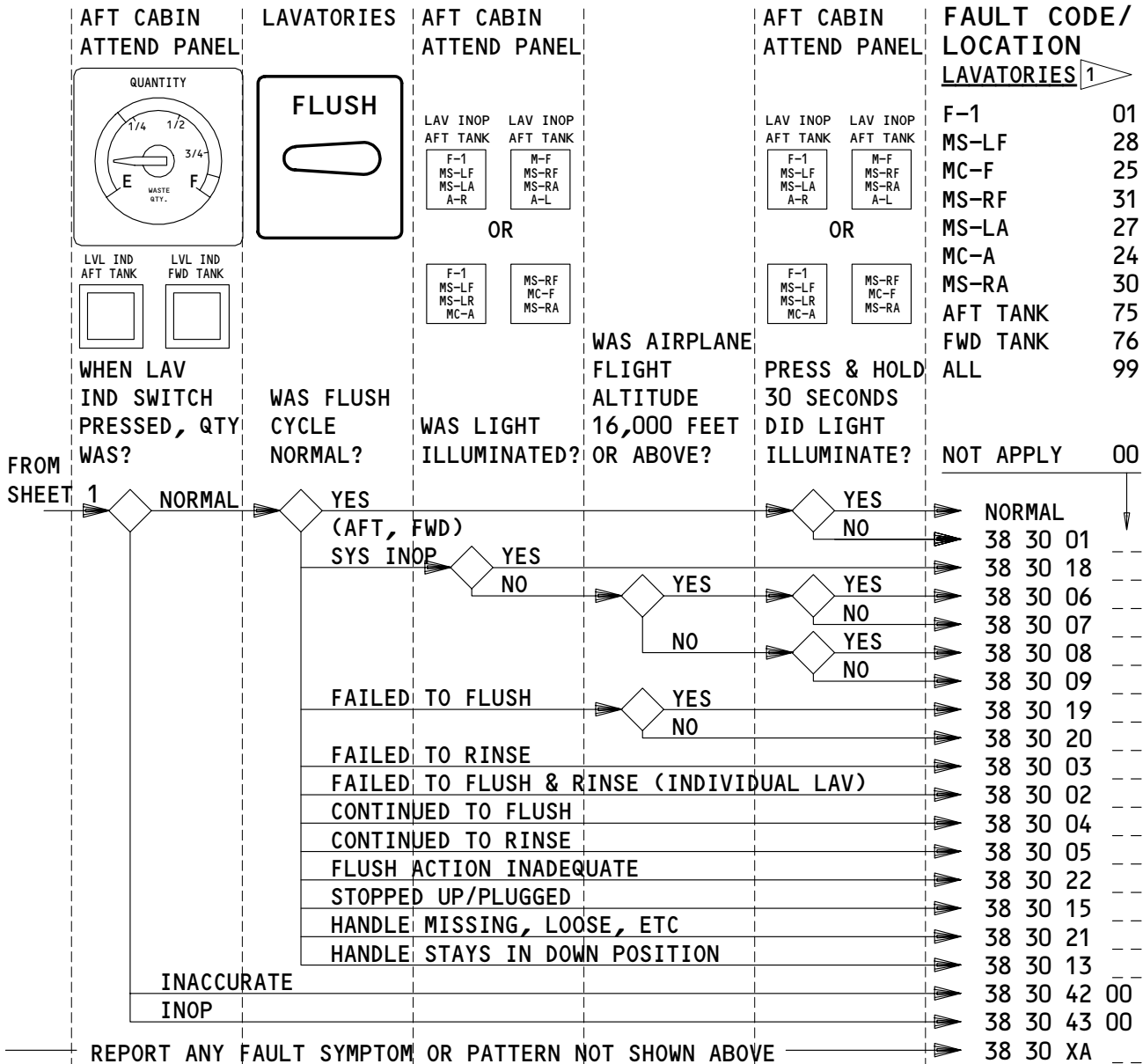
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38-FAULT CODE DIAGRAM

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- 2 SEE "WATER SHUTOFF VALVE LOCATIONS" PAGE IF NECESSARY TO SHUTOFF WATER.
- 3 LIFTING HANDLE SHOULD RECYCLE SYSTEM.
- 4 FLUSH OPERATION INOP DURING SERVICING.
- 5 IF INSTALLED

APPLICABLE CIRCUIT BREAKERS

11R8 LAV SYS 1 FLUSH 11R35 LAV SYS 2 FLUSH

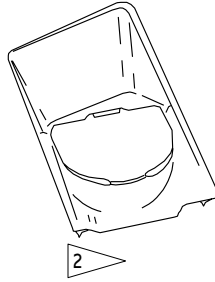
LAVATORY WASTE (SHEET 2) - FAULT CODES

EFFECTIVITY
SAS AIRPLANES

38-FAULT CODE DIAGRAM

588855

TOILET



DID TOILET HAVE LOUD AIR NOISE,
LEAK OR FILL WITH WATER?

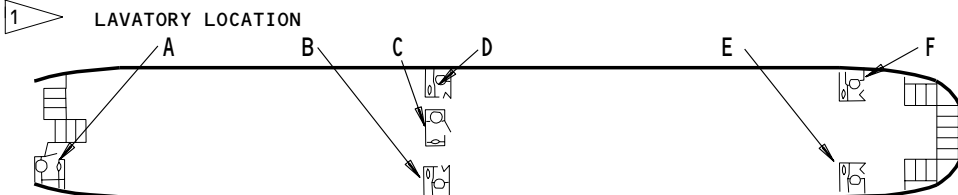
**FAULT CODE/
LOCATION**

LAVATORIES ¹	
A	61
B	62
C	63
D	64
E	65
F	66
ALL	99



REPORT ANY FAULT SYMPTOM OR PATTERN NOT SHOWN ABOVE

38 30 XA



² SEE "WATER SHUTOFF VALVE LOCATION" PAGE IF NECESSARY TO SHUTOFF WATER.

APPLICABLE CIRCUIT BREAKERS

LAVATORY WASTE(SHEET 1) - FAULT CODES

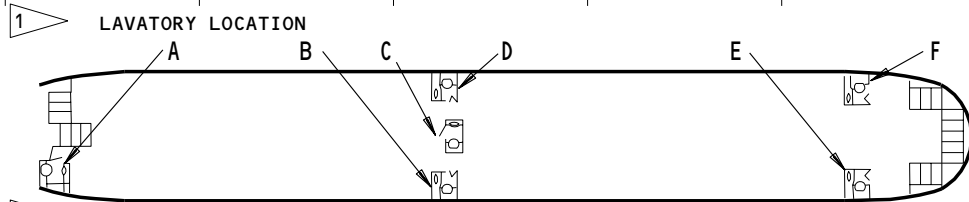
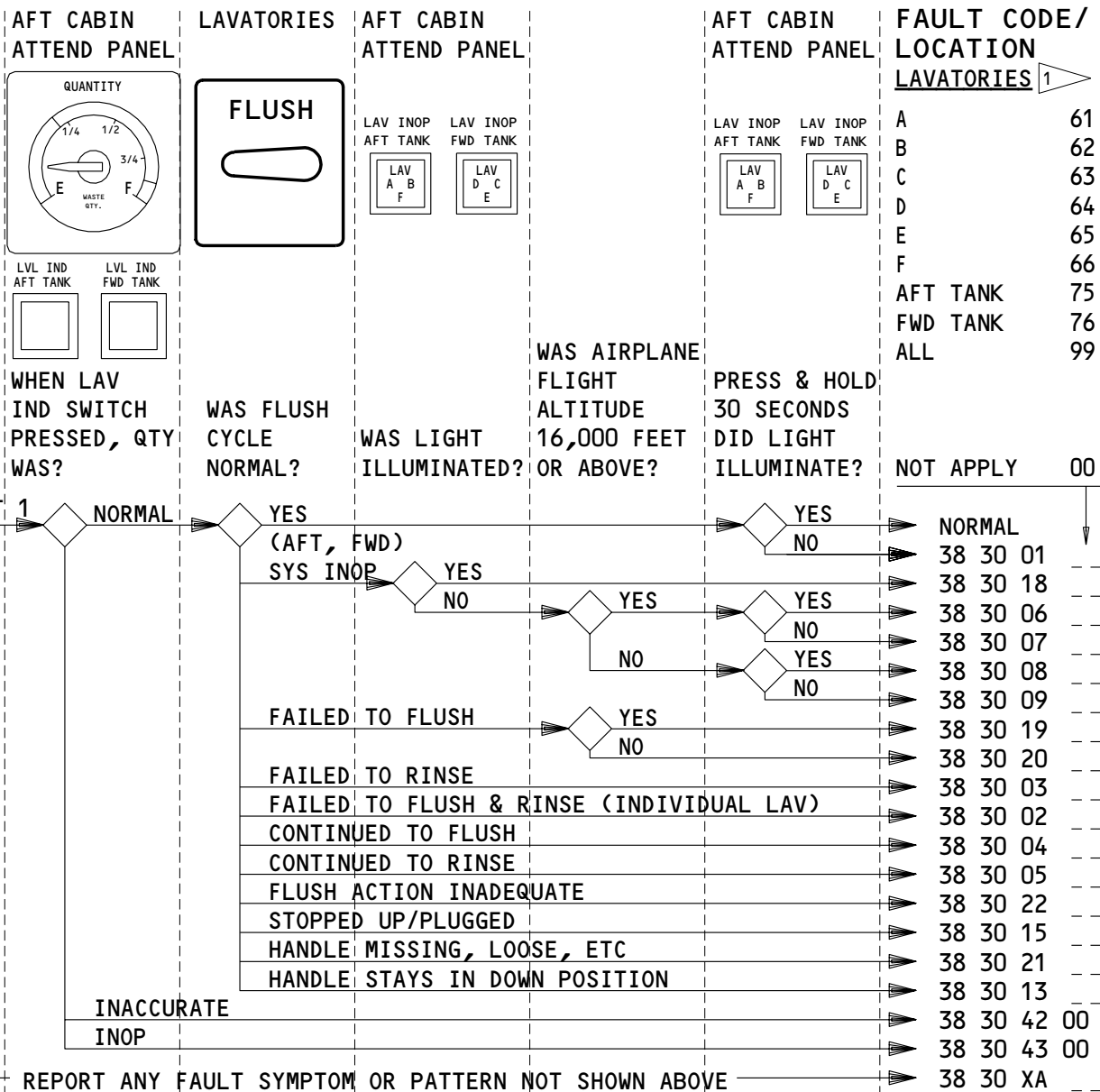
EFFECTIVITY
MTH AIRPLANES

38-FAULT CODE DIAGRAM

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- 2 SEE "WATER SHUTOFF VALVE LOCATIONS" PAGE IF NECESSARY TO SHUTOFF WATER.
- 3 LIFTING HANDLE SHOULD RECYCLE SYSTEM.
- 4 FLUSH OPERATION INOP DURING SERVICING.

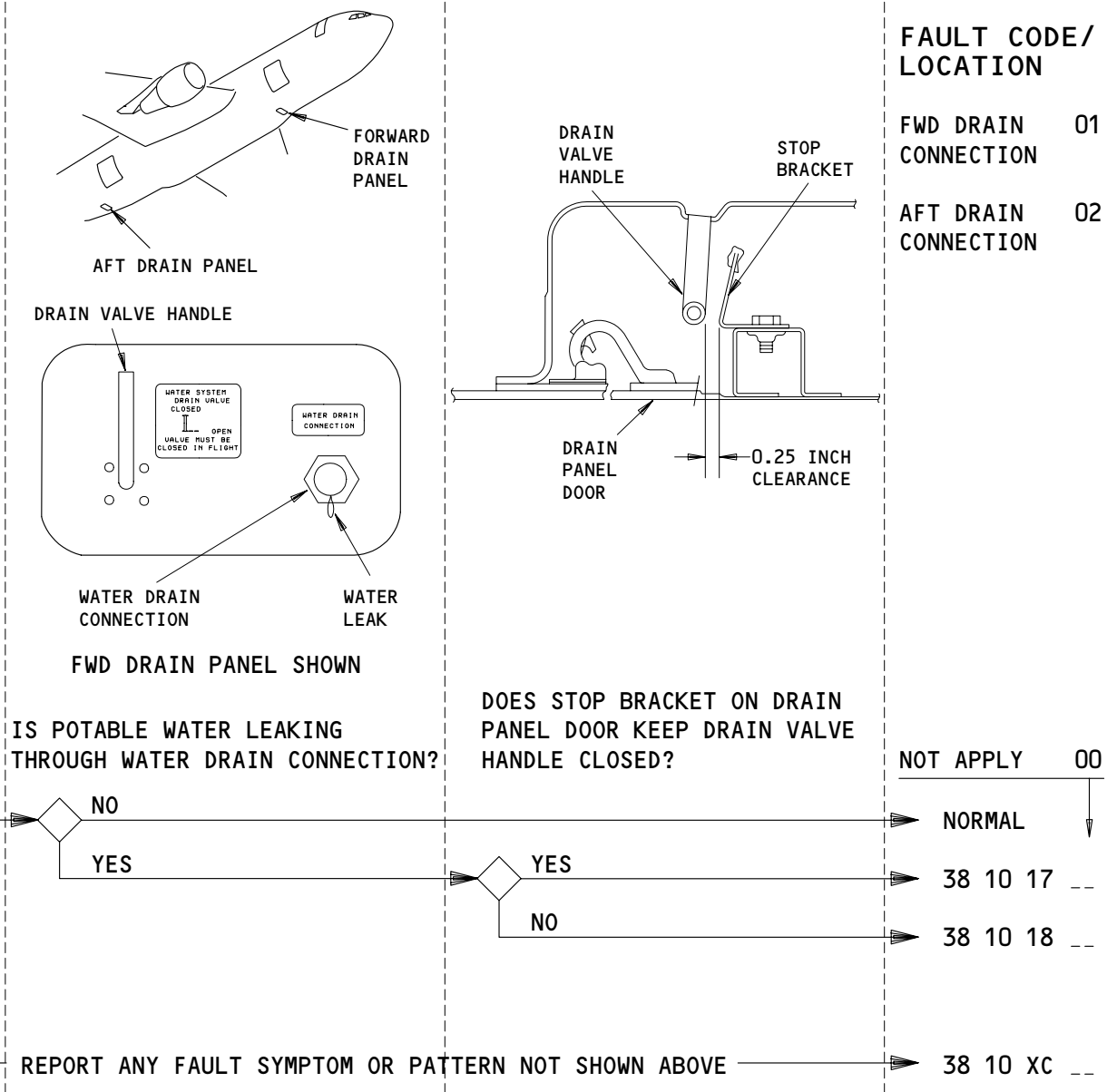
APPLICABLE CIRCUIT BREAKERS

11R8 LAVS SYS 1 FLUSH 11R35 LAVS SYS 2 FLUSH

LAVATORY WASTE (SHEET 2) - FAULT CODES

EFFECTIVITY MTH AIRPLANES 38-FAULT CODE DIAGRAM

677758



POTABLE WATER - FAULT CODES (GROUND)

EFFECTIVITY

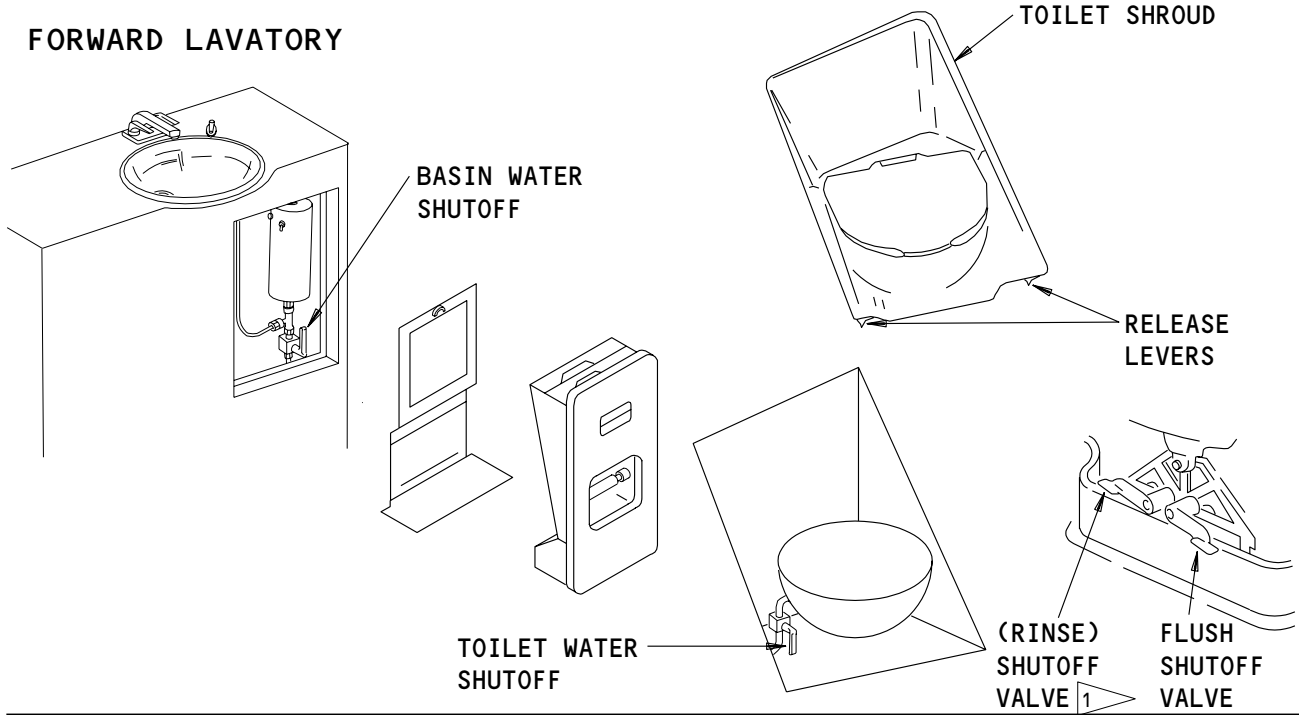
ALL

38-FAULT CODE DIAGRAM

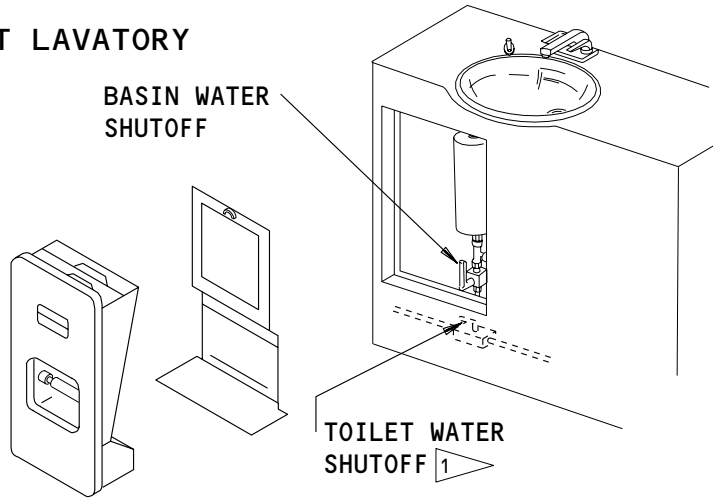
01

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FORWARD LAVATORY

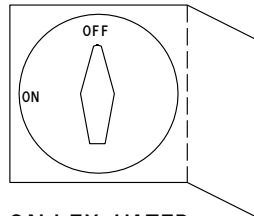


MID AND AFT LAVATORY



GALLEYS

EMERGENCY WATER SHUTOFF



GALLEY WATER SHUTOFF

1 IF INSTALLED

WATER SHUTOFF VALVE LOCATIONS

EFFECTIVITY

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38-FAULT CODE DIAGRAM

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1. General

A. Fault Code Location Identifier:

- (1) Use the identifiers that follow for fault codes that end with --:
(01=F-1, 24=MC-A, 25=MC-F, 27=MS-LA, 28=MS-LF, 30=MS-RA, 31=MS-RF,
61=A, 62=B, 63=C, 64=D, 65=E, 66=F, 75=Aft Tank, 76=Fwd Tank, 80=Fwd
Galley, 82=Aft Galley, 99=ALL)

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FAULT CODE	1. LOG BOOK REPORT 2. FAULT ISOLATION REFERENCE
38 10 XA --	1. Report potable water symptoms or patterns along with fault code. 2. SSM 38-10-01.
38 10 XB --	1. Report Lavatory/Galley drain and hot water heater symptoms or patterns along with fault code. 2. SSM 38-10-02.
38 10 XC --	1. A potable water system drain valve problem was encountered which is not covered in the fault code diagrams. (Ref Fault Code Diagrams for actions taken). 2. SSM 38-10-01.
38 30 XA --	1. Report Lavatory waste symptoms or patterns along with fault code. 2. SSM 38-30-01.
38 30 XB --	1. Report Lavatory waste symptoms or patterns along with fault code. 2. SSM 38-30-01.
38 10 01 00	1. Potable water is contaminated. 2. Disinfect potable water system (AMM 38-10-00).
38 10 02 --	1. The potable water leaks at (See above for the fault code location indicator). 2. Close the water shutoff valve in the lavatory or the galley and fix the leak.
38 10 03 --	1. A water leak at the faucet (See above for the fault code location indicator). 2. Replace the 'O' rings in the faucet cartridge (AMM 38-11-06).
38 10 04 --	1. The water faucet is faulty (describe fault) at (See above for the fault code location indicator). 2. Replace the potable water faucet (AMM 38-11-06).
38 10 05 00	1. (Low, No) water flow from all faucets during (eng, APU) operation. Quantity was normal. 2. FIM 38-10-00/101, Fig. 103A, Block 1
38 10 06 --	1. (Low, No) water flow from the faucet at (See above for the fault code location indicator). 2. Replace the water faucet (AMM 38-11-06).
38 10 07 00	Not Used.
38 10 08 00	Not Used.
38 10 09 00	Not Used

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FAULT CODE	1. LOG BOOK REPORT 2. FAULT ISOLATION REFERENCE
38 10 10 00	1. The quantity indicator for the potable water show zero with the water flow from the faucets normal. 2. Replace the water quantity indicator (AMM 38-14-02/401).
38 10 11 --	1. A potable water leak at (See above for the fault code location indicator). 2. FIM 38-10-00/101, Fig. 105, Block 1
38 10 12 00	1. Potable water quantity dropped to zero with no water flow. Water leak was not visible. 2. Locate and fix leak.
38 10 13 --	1. (See above for the fault code location indicator) The Lavatory water is not hot. The Heater power switch is ON, and the heater pilot light is ON. Temperature Select Switch adjustments did not affect the temperature. 2. Replace the water heater (AMM 38-13-01/401).
38 10 14 --	1. (See above for the fault code location indicator) The Lavatory water is not hot. The Heater power switch is ON, and the heater pilot light is not ON. 2. Remove the water heater cover and depress the manual reset switch.
38 10 15 --	1. (See above for the fault code location indicator) The sink drain is (clogged, appears frozen). 2. Unclog the drain. If the fault continues see FIM 30-71-00/101, Fig. 103.
38 10 16 --	1. (See above for the fault code location indicator) The sink drain is noisy. 2. Check the drain tube for leaks or replace the muffler.
38 10 17 --	1. The potable water leaks at the drain connection. The drain valve handle is held in the closed position by the stop bracket on the drain panel door. 2. Adjust or replace the drain valves.
38 10 18 --	1. The drain valve handle is not held in the closed position by the stop bracket on the drain panel door. 2. Adjust the stop bracket on the drain panel door.

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FAULT CODE	1. LOG BOOK REPORT 2. FAULT ISOLATION REFERENCE
38 10 19 --	1. (See above for the fault code location indicator) The water in the lavatory is too hot. Temperature Select Switch adjustments did not affect the temperature. 2. Replace the water heater (AMM 38-13-01/401).
38 10 20 00	Not Used
38 10 21 00	Not Used
38 10 22 00	Not Used
38 10 23 00	1. The water quantity indicator is inoperative. 2. Replace the water quantity indicator. (AMM 38-14-02)
38 10 24 00	1. The water quantity indicator is inaccurate. 2. FIM 38-10-00/101, Fig. 106, Block 1
38 10 25 00	Not Used
38 10 26 00	1. Potable water press (low, zero) with only ext pwr established. Water flow from faucets was also (low, zero). 2. FIM 38-10-00/101, Fig. 103, Block 1
38 10 27 --	1. There is (Low, No) water flow to the lavatory or the galley (See above for the fault code location indicator). Flow normal to other areas. 2. FIM 38-10-00/101, Fig. 104, Block 1
38 10 28 --	1. (See above for the fault code location indicator) The sink drain will not hold water. 2. Clean the sink drain and the stopper. If the fault continues, adjust or replace the drain actuator linkage (AMM 38-11-06).
38 30 01 --	1. (See above for the fault code location indicator) The LAV INOP switch at the aft cabin attendant panel failed to test. 2. FIM 38-30-00/101, Fig. 104, Block 1
38 30 02 --	1. (See above for the fault code location indicator) The Toilet does not flush and rinse. 2. Replace the toilet flush switch (AMM 38-32-04). If the fault continues, replace the logic control module (WDM 38-32-11).
38 30 03 --	1. (See above for the fault code location indicator) The toilet does not rinse. 2. FIM 38-30-00/101, Fig. 107, Block 1

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FAULT CODE	1. LOG BOOK REPORT 2. FAULT ISOLATION REFERENCE
38 30 04 --	1. (See above for the fault code location indicator) The toilet continues to flush. 2. Replace the flush valve or the flush control module (AMM 38-32-01).
38 30 05 --	1. (See above for the fault code location indicator) The toilet continues to rinse. 2. Replace the rinse valve (AMM 38-32-01).
38 30 06 --	1. (See above for the fault code location indicator) The toilets do not flush or rinse. The LAV INOP light(s) at aft cabin attendant panel are OFF. The airplane altitude was above 16,000 ft. 2. Replace the logic control module M964 or M965 (AMM 38-32-11).
38 30 07 --	1. (See above for the fault code location indicator) The toilets do not flush or rinse. The LAV INOP light(s) at aft cabin attendant panel failed to test. The airplane altitude was above 16,000 ft. 2. FIM 38-30-00/101, Fig. 104, Block 1
38 30 08 --	1. (See above for the fault code location indicator) The toilets do not flush or rinse. The LAV INOP light(s) at aft cabin attendant panel test normal. The airplane altitude was below 16,000 ft. 2. FIM 38-30-00/101, Fig. 106, Block 1
38 30 09 --	1. (See above for the fault code location indicator) The toilets do not flush or rinse. The LAV INOP light(s) at aft cabin attendant panel failed to test. The airplane altitude was below 16,000 ft. 2. FIM 38-30-00/101, Fig. 104, Block 1
38 30 10 --	1. (See above for the fault code location indicator) The toilet has a loud air noise. 2. Replace the flush valve (AMM 38-32-01).
38 30 11 --	1. (See above for the fault code location indicator) The Toilet has a water leak. 2. Replace the antisiphon valve or the vacuum break (AMM 38-32-01).
38 30 12 --	1. (See above for the fault code location indicator) The toilet fills with water. 2. FIM 38-30-00/101, Fig. 104A, Block 1

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FAULT CODE	1. LOG BOOK REPORT 2. FAULT ISOLATION REFERENCE
38 30 13 --	1. (See above for the fault code location indicator) The toilet flush handle stays in the down position. Lifting handle (does/does not) recycle system. 2. Repair the toilet flush handle assembly. If the fault continues, replace the flush switch, S2 (AMM 38-32-04).
38 30 14 00	Not Used
38 30 15 --	1. (See above for the fault code location indicator) The toilet is stopped up. 2. FIM 38-30-00/101, Fig. 108, Block 1. See also AMM 38-32-00/201, Vacuum Waste System - Maintenance Practices.
38 30 16 00	Not Used
38 30 17 00	Not Used
38 30 18 --	1. (See above for the fault code location indicator) The toilets do not flush or rinse. The LAV INOP light is ON. 2. Service appropriate waste tank (AMM 12-17-01). If fault continues, inspect and clean interior of waste tank (AMM 38-32-11).
38 30 19 --	1. (See above for the fault code location indicator). The toilet failed to flush. The airplane was above 16,000 ft. 2. FIM 38-30-00/101, Fig. 109, Block 1
38 30 20 --	1. (See above for the fault code location indicator). The toilet failed to flush. The airplane was below 16,000 ft. 2. FIM 38-30-00/101, Fig. 109, Block 1
38 30 21 --	1. (See above for the fault code location indicator) the toilet flush handle is (missing, loose, etc.). 2. Repair or replace the handle (AMM 38-32-04)
38 30 22 --	1. (See above for the fault code location indicator) the toilet flushing action is inadequate. 2. FIM 38-30-00/101, Fig. 105, Block 1
38 30 42 00	1. Waste quantity indicator inaccurate. 2. Replace the waste quantity indicator.
38 30 43 00	1. Waste quantity indicator inoperative. 2. Replace the waste quantity indicator.

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FAULT CODE	1. LOG BOOK REPORT 2. FAULT ISOLATION REFERENCE
38 30 44 00	1. AFT WASTE SNSR - EICAS message. 2. Do LEVEL SENSING SYSTEM TROUBLESHOOTING FIM 38-30-00/101 FIG 110.
38 30 45 00	1. FWD WASTE SNSR - EICAS message. 2. Do LEVEL SENSING SYSTEM TROUBLESHOOTING FIM 38-30-00/101 FIG 110.

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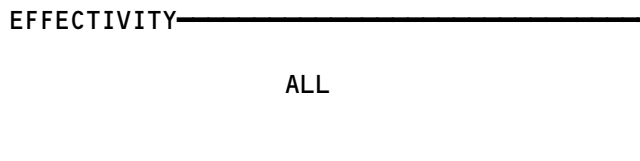
BITE Index

1. General

- A. Use this index to find the BITE procedure for the applicable LRU/System.
- B. The BITE procedure will provide the fault isolation instructions for the fault indications/LRU maintenance messages.

<u>LRU/System Name</u>	<u>Acronym</u>	<u>FIM Reference</u>
ACARS Management Unit		23-22
Air Data Computer	ADC	34-12
Air Data Inertial Reference Unit	ADIRU	34-26
Air Supply Control and Test Unit	ASCTU	36-20
Air Traffic Control Transponder	ATC	34-53
Airborne Vibration Monitor Signal Conditioner	AVM	77-31
Antiskid/Autobrake Control Unit	AACU	32-42
APU Fire Detection System		26-15
Automatic Direction Finder Receiver	ADF	34-57
APU Control Unit (or Electronic Control Unit)	ECU	49-11
Autopilot/Flight Director	AFDS	22-00
Auxiliary Zone Temperature Controller	AZTC	2160/21-61
Brake Temperature Monitor Unit	BTMU	32-46
Bus Power Control Unit	BPCU	24-20
Cabin Pressure Controller	CPC	21-30/21-31
Cabin Temperature Controller	CTC	21-61
Digital Flight Data Acquisition Unit	DFDAU	31-31
Distance Measuring Equipment Interrogator	DME	34-55
Duct Leak (Wing and Body)		26-18
E/E Cooling Control Card (If cards installed)		21-58
ECS Bleed Configuration Card		36-10
Electronic Control Unit	ECU	49-11
Electronic Engine Control Monitor Unit (Non-FADEC Engines)	EECM	71-EECM Message Index
Electronic Flight Instrument System	EFIS	34-22

Bite Index
Figure 1 (Sheet 1)

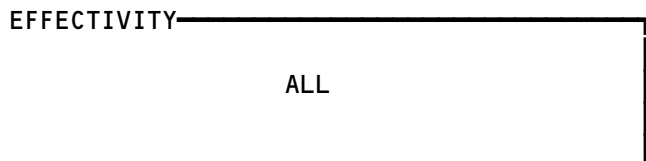


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<u>LRU/System Name</u>	<u>Acronym</u>	<u>FIM Reference</u>
Engine Fire/Overheat Detection System		26-11
Engine Indication and Crew Alerting System Computer	EICAS	31-41
Enhanced Ground Proximity Warning Computer	EGPWC	34-46
Equipment Cooling System Controller		21-58
Equipment Cooling Temperature Controller		21-58
Flap/Slat Electronic Unit	FSEU	27-51
Flap/Stabilizer Position Module	FSPM	27-58
Flight Management Computer	FMC	34-61
Fuel Quantity Indicating System Processor	FQIS	28-41
Ground Proximity Warning Computer	GPWC	34-46
HF (High Frequency) Communication		23-11
In-Flight Entertainment Equipment Cooling Card		21-58
Inertial Reference Unit	IRU	34-21
Instrument Comparator Unit	ICU	34-25
Instrument Landing System Receiver	ILS	34-31
Large Format Display System	LFDS	31-63
Lower Cargo Compartment Smoke Detection System		26-16
Maintenance Control Display Panel	MCDP	22-00
Multi-Mode Receiver	MMR	34-31
PA (Passenger Address) Amplifier		23-31
Pack Standby Temperature Controller	PSTC	21-51
Pack Temperature Controller	PTC	21-51
Passenger Entertainment System	PES	23-34
Power Supply Module (Control System Electronics Units)	PSM	27-09
Propulsion Interface and Monitor Unit (FADEC Engines)	PIMU	71-PIMU Message Index
Proximity Switch Electronics Unit	PSEU	32-09

Bite Index
Figure 1 (Sheet 2)



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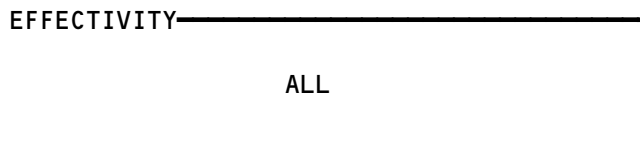


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<u>LRU/System Name</u>	<u>Acronym</u>	<u>FIM Reference</u>
Radio Altimeter Transmitter/Receiver	RA	34-33
Rudder Ratio Changer Module	RRCM	27-09
Satellite Data Unit	SDU	23-25
Spoiler Control Module	SCM	27-09
Stabilizer Trim/Elevator Asymmetry Limit Module	SAM	27-09
Stall Warning Computer/Module (in Warning Electronic Unit)	SWC	27-32
Strut Overheat Detection System (RR Engines)		26-12
Thrust Management Computer/Autothrottle	TMC	22-00
Traffic Alert and Collision Avoidance Computer	TCAS	34-45
VHF (Very High Frequency) Communication		23-12
VOR/Marker Beacon Receiver	VOR/MKR	34-51
Warning Electronic Unit BITE Module (Stall Warning)	WEU	27-32
Weather Radar Transceiver	WXR	34-43
Wheel Well Fire Detection		26-17
Window Heat Control Unit	WHCU	30-41
Yaw Damper Module	YDM	22-21
Yaw Damper/Stabilizer Trim Module	YSM	27-09
Zone Temperature Controller	ZTC	21-60/21-61

Bite Index
Figure 1 (Sheet 3)



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POTABLE WATER

COMPONENT	FIG. 102 SHT	QTY	ACCESS/AREA	AMM REFERENCE
CIRCUIT BREAKER - ENT LTS POT WATER, C1355		1	FLT COMPT, P11 11U28	*
CIRCUIT BREAKER - AIR CPRSR WATER SYS, C397		1	119AL, MAIN EQUIP CTR, P33 33H6	*
CIRCUIT BREAKER - POT WATER/ENTRY LTS, C1354		1	119AL, MAIN EQUIP CTR, P34 34P11	*
CIRCUIT BREAKER - WATER/WASTE LAV WH SYS 1, C1365	5		119AL, MAIN EQUIP CTR, P36 36D7	*
WATER/WASTE WTR HTR LAV SYS 1, C1365	6	1	36E7	*
CIRCUIT BREAKER - WATER/WASTE LAV WH SYS 2, C1366	5	1	119AL, MAIN EQUIP CTR, P37 37H7	*
WATER/WASTE WTR HTR LAV SYS 2, C1366	6	1	37E7	*
COMPRESSOR - AIR, M142		1	811, AFT OF BULK CARGO COMPT	38-15-01
FAUCET - LAVATORY WASHBASIN	1	4	LAV	38-11-06
FAUCET - LAVATORY WASHBASIN	2	4	LAV	38-11-06
FILTER - AIR	3	2	811, AFT OF BULK CARGO COMPT	38-15-02
FILTER - AIR	4	2	811, AFT OF BULK CARGO COMPT	38-15-02
FILTER - WATER	2	4	LAV, BELOW WASHBASIN	38-10-00
HEATER - WATER, M8	1	4	LAV, BELOW WASHBASIN	38-13-01
HEATER - WATER, M8	2	4	LAV, BELOW WASHBASIN	38-13-02
INDICATOR - WATER QUANTITY, N108		3	155AL, AFT SVC AND DRAIN PANEL	38-14-02
INDICATOR - WATER QUANTITY, YBIN1		2	AFT ATTENDANT STA, P22	38-14-02
MUFFLER - DRAIN LINE	1	4	LAV, BELOW WASHBASIN	38-10-00
MUFFLER - DRAIN LINE	2	4	LAV, BELOW WASHBASIN	38-10-00
RELAY - (FIM 31-01-49/101) WATER PRESS SYS, K6 WATER SYS 28V PWR, K174			822, AFT CARGO DOOR, E6 RACK, P49	
SWITCH - COMPRESSOR INTERLOCK, S333	1	2	AFT ATTENDANT STA	38-15-03
SWITCH - COMPRESSOR INTERLOCK, S553		1	811, AFT OF BULK CARGO COMPT	38-15-03
SWITCH - PRESSURE ACTUATED COMPRESSOR, S332		2	811, AFT OF BULK CARGO COMPT	38-15-05
TANK - POTABLE WATER, AUXILIARY		1	811, BULK CARGO COMPT SIDEWALL	38-11-01
TANK - POTABLE WATER, MAIN		1	811, AFT OF BULK CARGO COMPT	38-11-01
TRANSMITTER - WATER QTY, T167		1	811, AFT OF BULK CARGO COMPT	38-14-01
VALVE - FILL/OVERFLOW		1	811, AFT OF BULK CARGO COMPT	38-11-03
VALVE - PRESSURE RELIEF		2	811, AFT OF BULK CARGO COMPT	38-15-06

* SEE THE WDM EQUIPMENT LIST

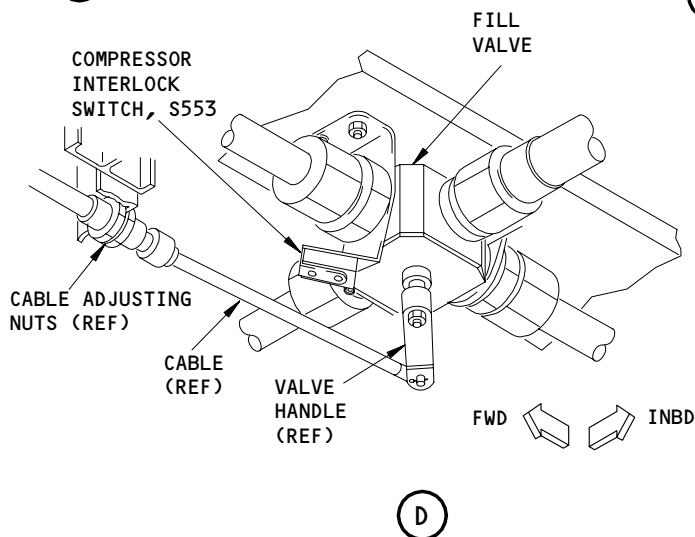
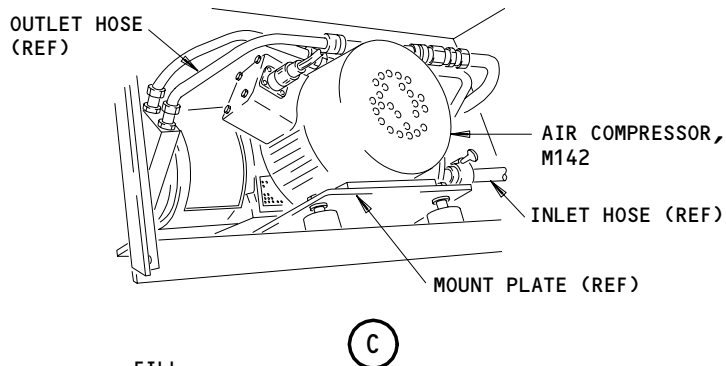
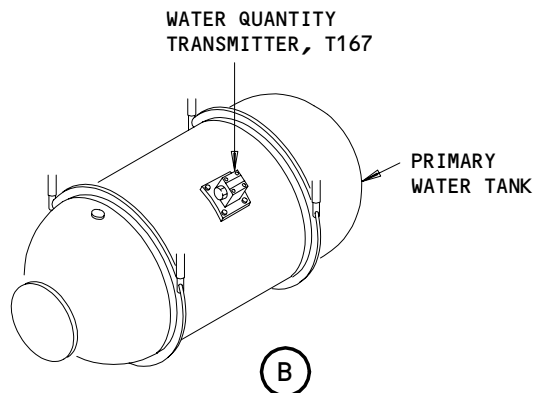
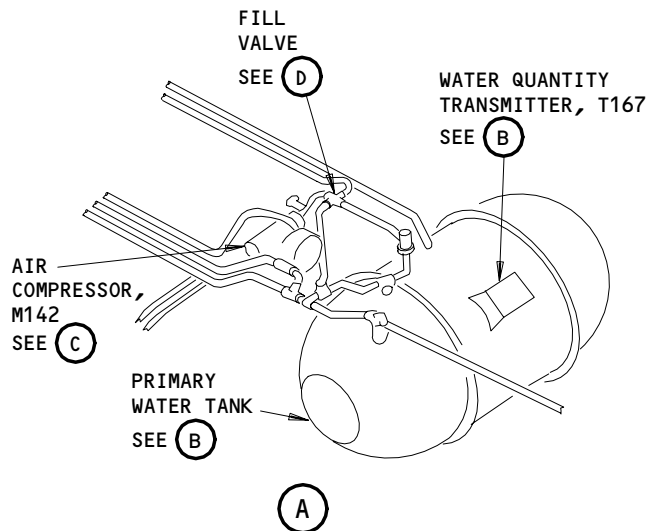
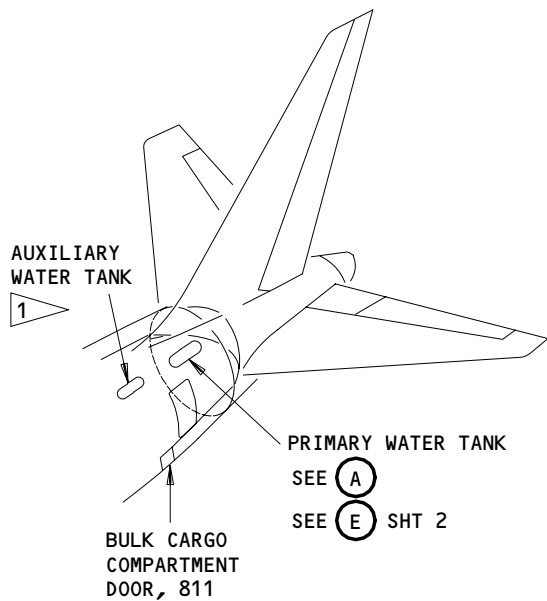
- 1 ALL SAS AIRPLANES
- 2 ALL MTH AIRPLANES
- 3 SAS 050, 051, 150-155, 162-165 MTH 275, 276
- 4 ALL EXCEPT SAS 050, 051, 150-155, 162-165;
ALL EXCEPT MTH 275, 276
- 5 SAS 001-167;
MTH 275-280
- 6 SAS 168-999;
MTH 281-999

Potable Water - Component Index
Figure 101

EFFECTIVITY

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38-10-00



1 AIRPLANES WITH AN AUXILIARY WATER TANK

Potable Water - Component Location
Figure 102 (Sheet 1)

EFFECTIVITY	ALL

38-10-00

05

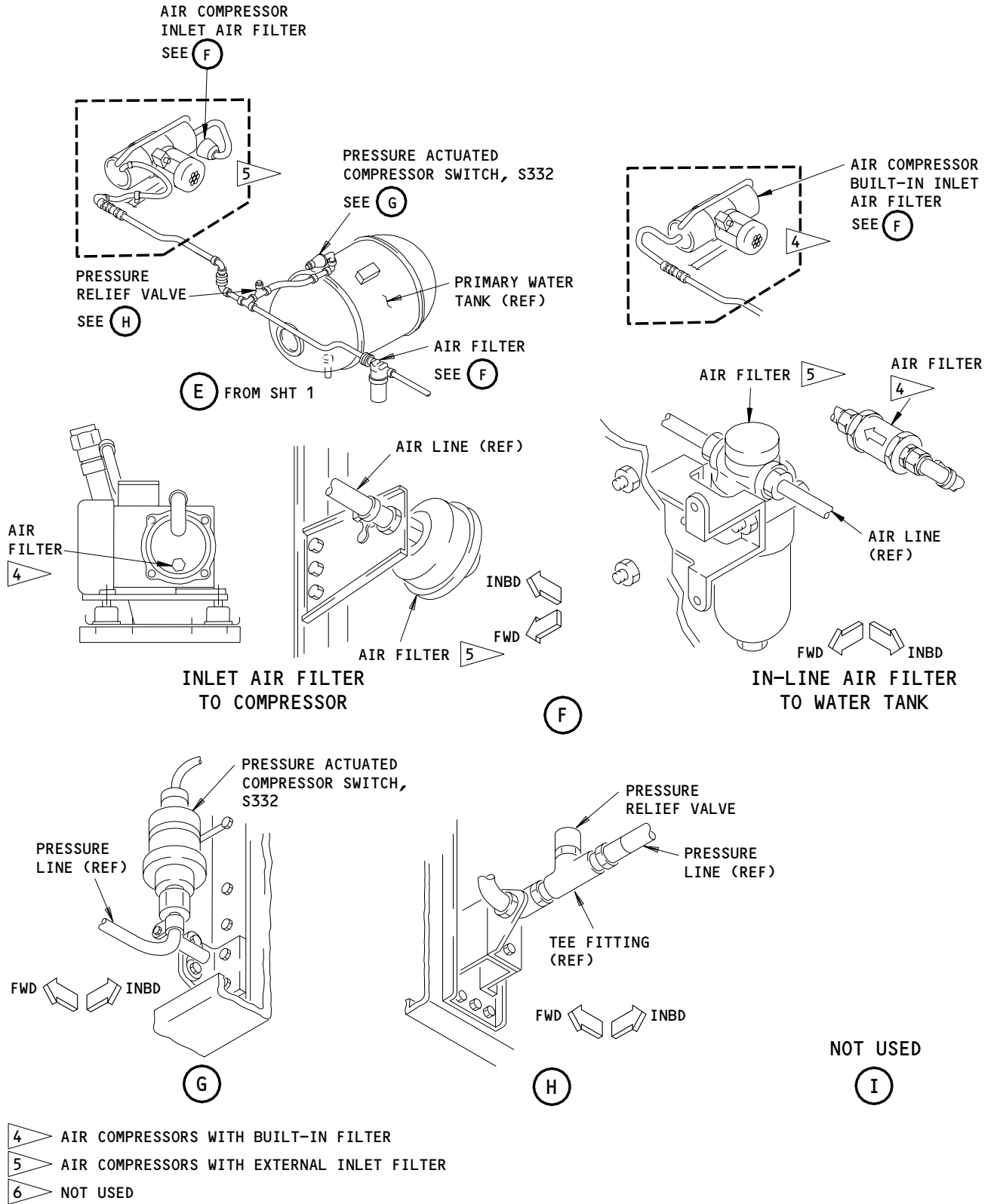
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Potable Water - Component Location
Figure 102 (Sheet 2)

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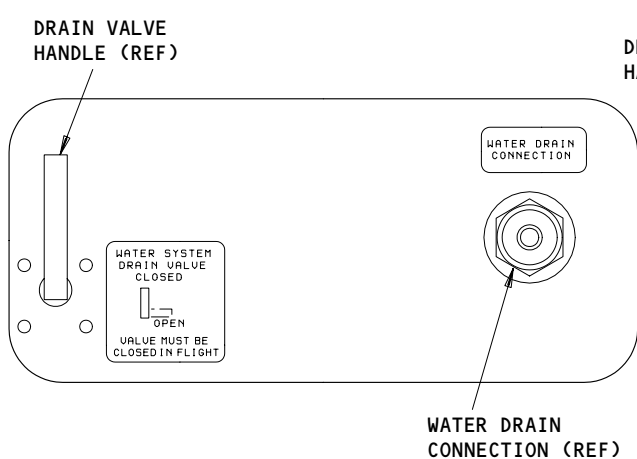
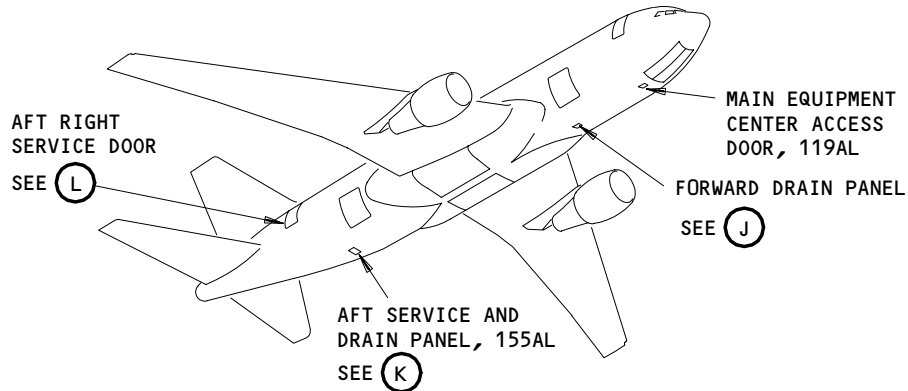
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38-10-00

09

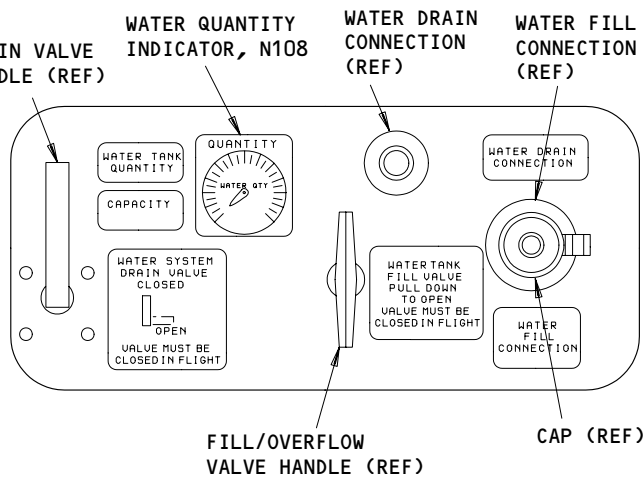
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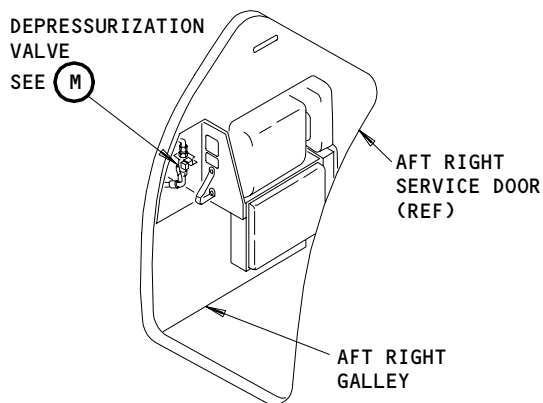
FORWARD DRAIN PANEL

(J)



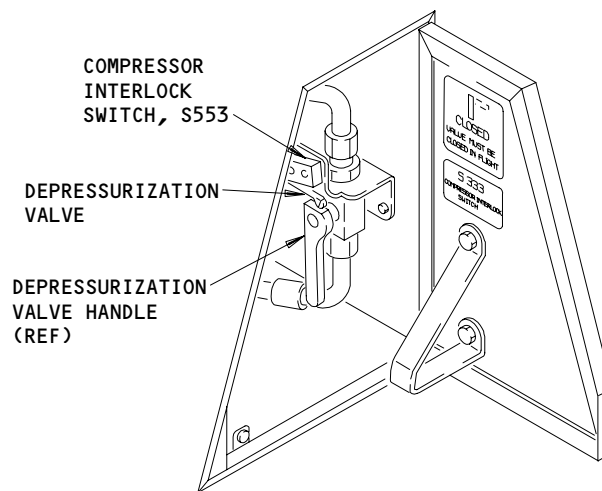
AFT SERVICE AND DRAIN PANEL

(K)



AFT RIGHT SERVICE DOOR

(L)



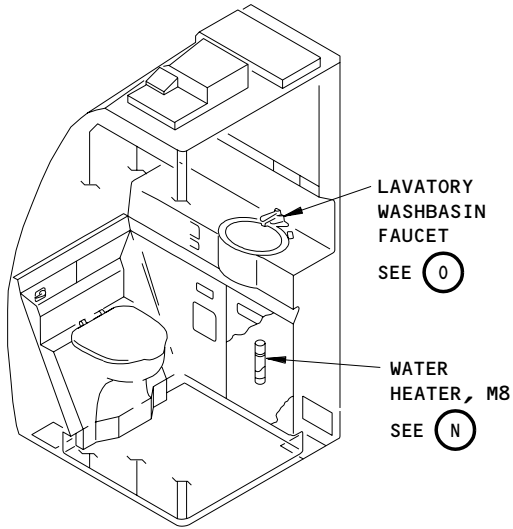
DEPRESSURIZATION VALVE

(M)

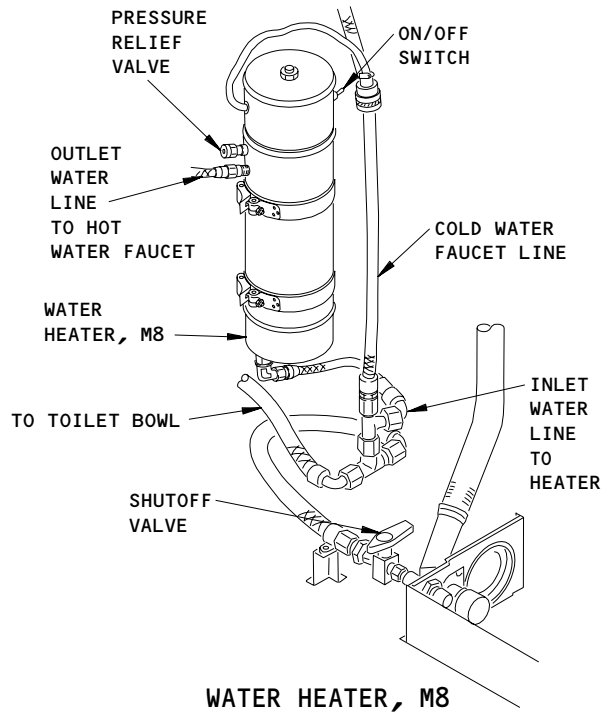
**Potable Water - Component Location
Figure 102 (Sheet 3)**

EFFECTIVITY	ALL

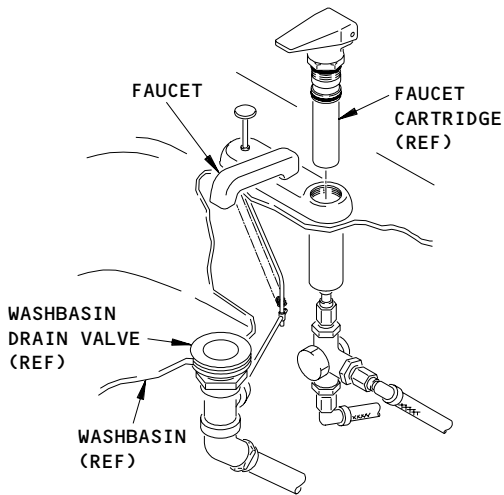
38-10-00



**LAVATORIES
(EXAMPLE)**

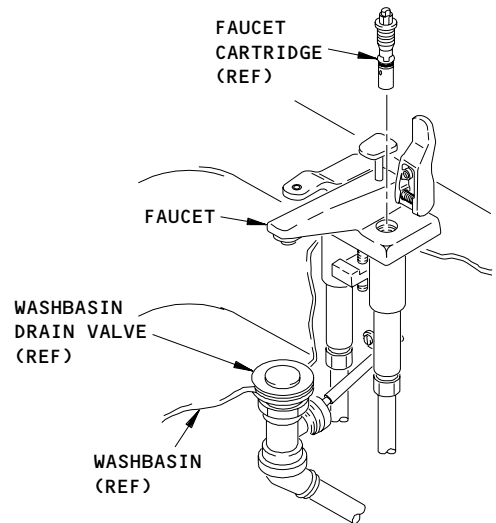


(N)



LAVATORY WASHBASIN FAUCET

(0) 2



LAVATORY WASHBASIN FAUCET

(0) 3

- 2 ALL SAS AIRPLANES
- 3 ALL MTH AIRPLANES

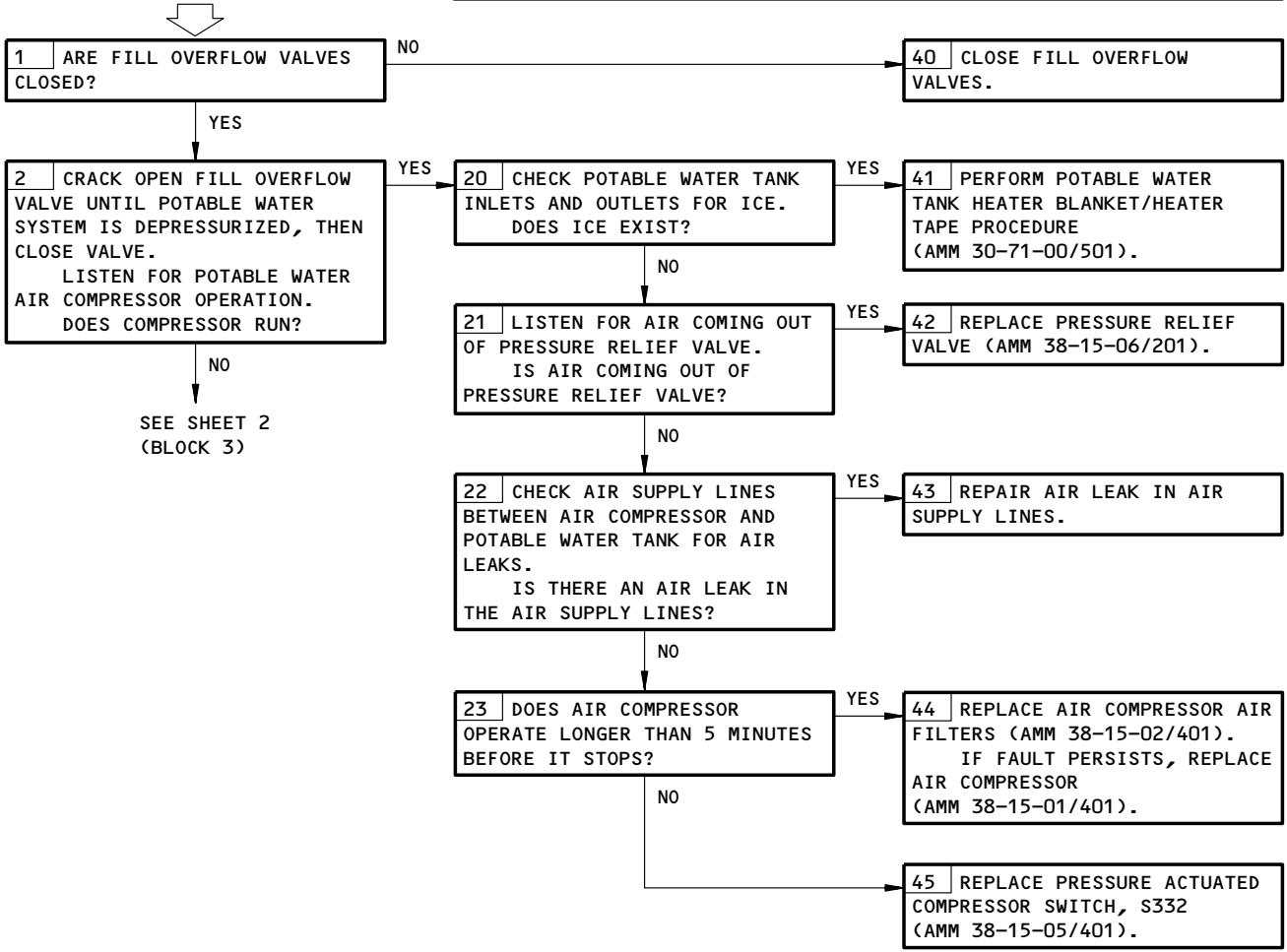
Potable Water - Component Location
Figure 102 (Sheet 4)

EFFECTIVITY	
	ALL

38-10-00

LOW OR NO WATER FLOW FROM ALL FAUCETS WITH ONLY EXTERNAL POWER ESTABLISHED

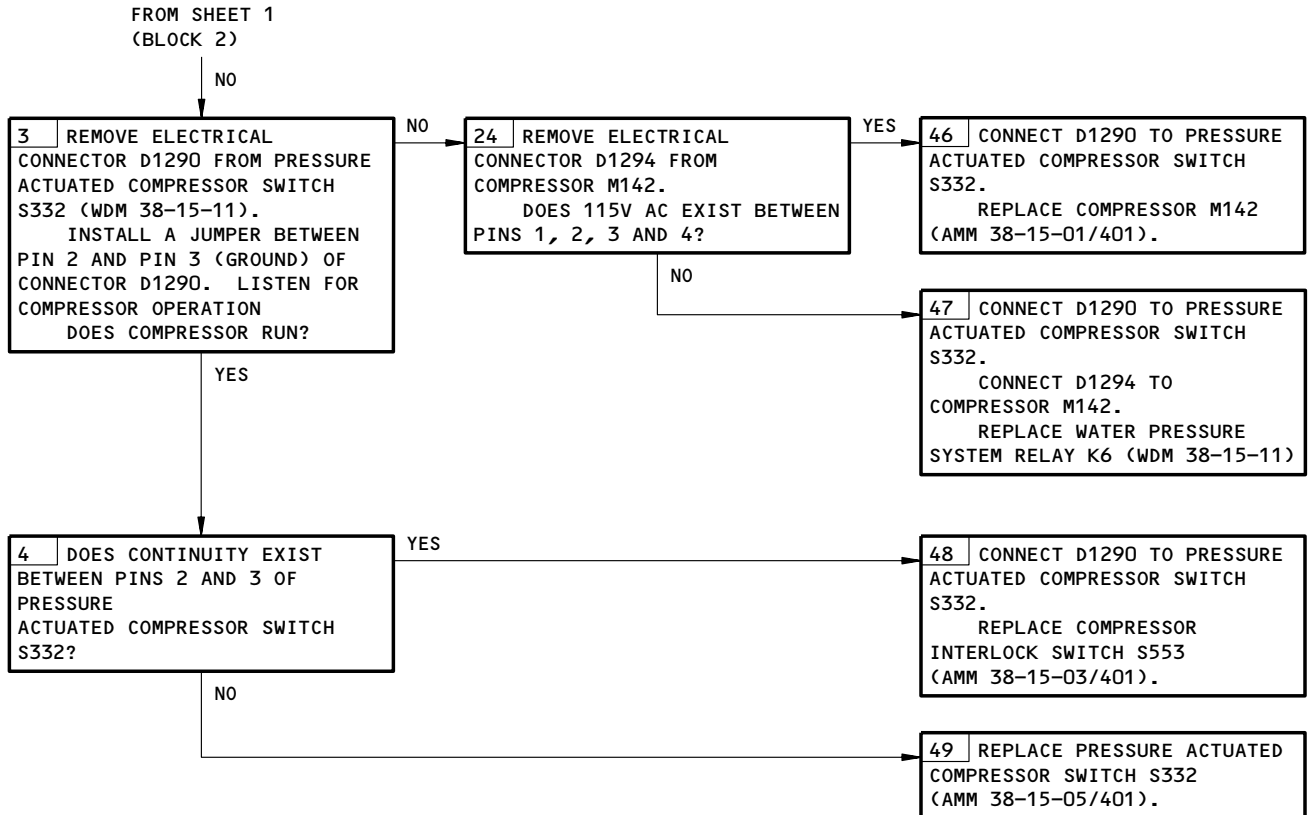
PREREQUISITES
 MAKE SURE THESE CIRCUIT BREAKERS ARE CLOSED:
 11U30, 33H6, 34P11
 MAKE SURE THE AIRPLANE IS IN THIS CONFIGURATION:
 APU AND ENGINES NOT RUNNING
 ELECTRICAL POWER IS ON (AMM 24-22-00/201)
 POTABLE WATER TANK FULL (AMM 12-14-01/301)



Low or No Water Flow From All Faucets With Only External Power Established
Figure 103 (Sheet 1)

EFFECTIVITY	ALL
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38-10-00



Low or No Water Flow From All Faucets With Only External Power Established
Figure 103 (Sheet 2)

EFFECTIVITY _____
ALL

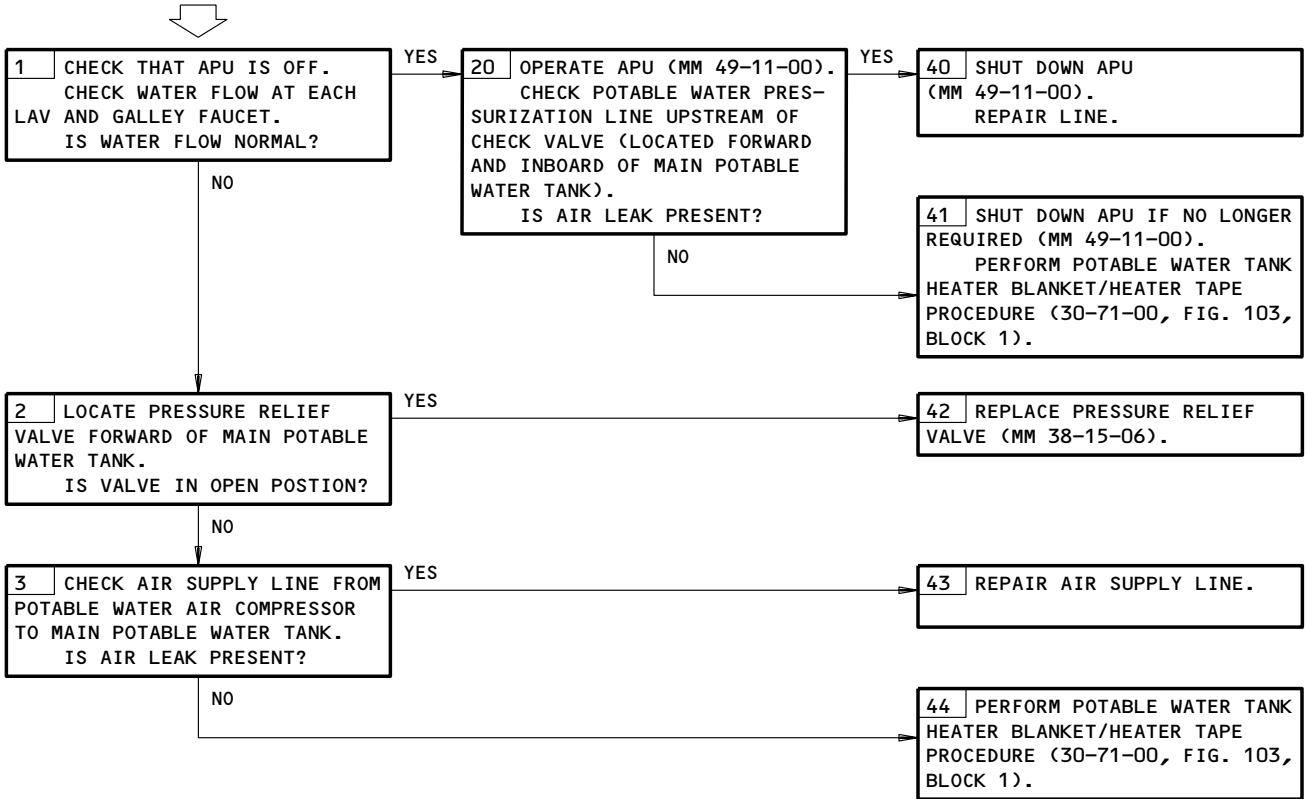
38-10-00

01

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LOW OR NO WATER FLOW FROM ALL FAUCETS DURING ENG OR APU OPERATION. QUANTITY WAS NORMAL.

PREREQUISITES
ENGINES OFF
ELECTRICAL POWER (MM 24-00-00)
CB'S: 11U28,33H6,34P11



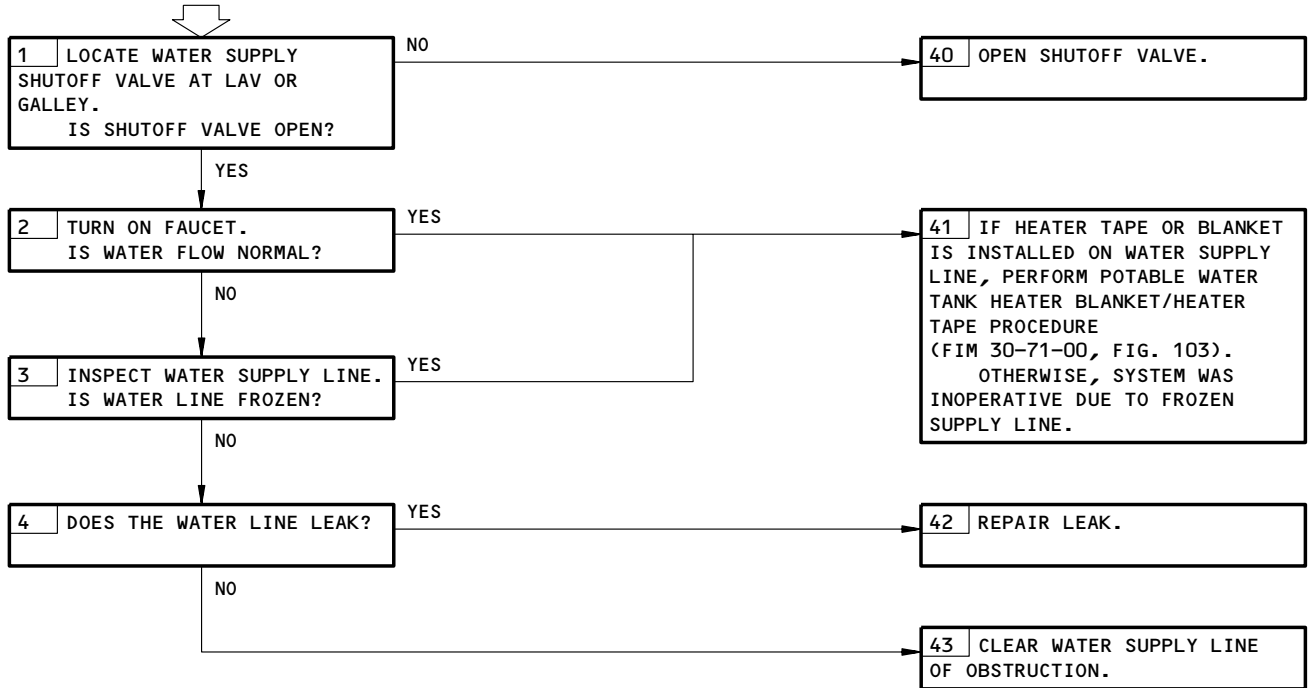
Low or No Water Flow From All Faucets During Eng or APU Operation.
Quantity was Normal.
Figure 103A

EFFECTIVITY	ALL
-------------	-----

38-10-00

LOW OR NO FLOW IN INDIVIDUAL LAV OR GALLEY. WATER QUANTITY NORMAL. FLOW NORMAL TO OTHER AREAS.

PREREQUISITES
NONE



Low or No Flow in Individual Lav or Galley. Water Quantity Normal.
Flow Normal to Other Areas.
Figure 104

EFFECTIVITY

ALL

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183353

POTABLE WATER IS
LEAKING



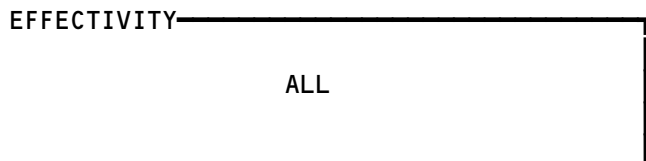
PREREQUISITES

MAKE SURE THESE CIRCUIT BREAKERS ARE CLOSED:
11U28,33H6

MAKE SURE THE AIRPLANE IS IN THIS CONFIGURATION:
ELECTRICAL POWER IS ON (AMM 24-22-00/201)

1 SERVICE POTABLE WATER SYSTEM (AMM 12-14-01/301). LOCATE AND FIX LEAK (AMM 38-10-00/501).

Potable Water is Leaking
Figure 105



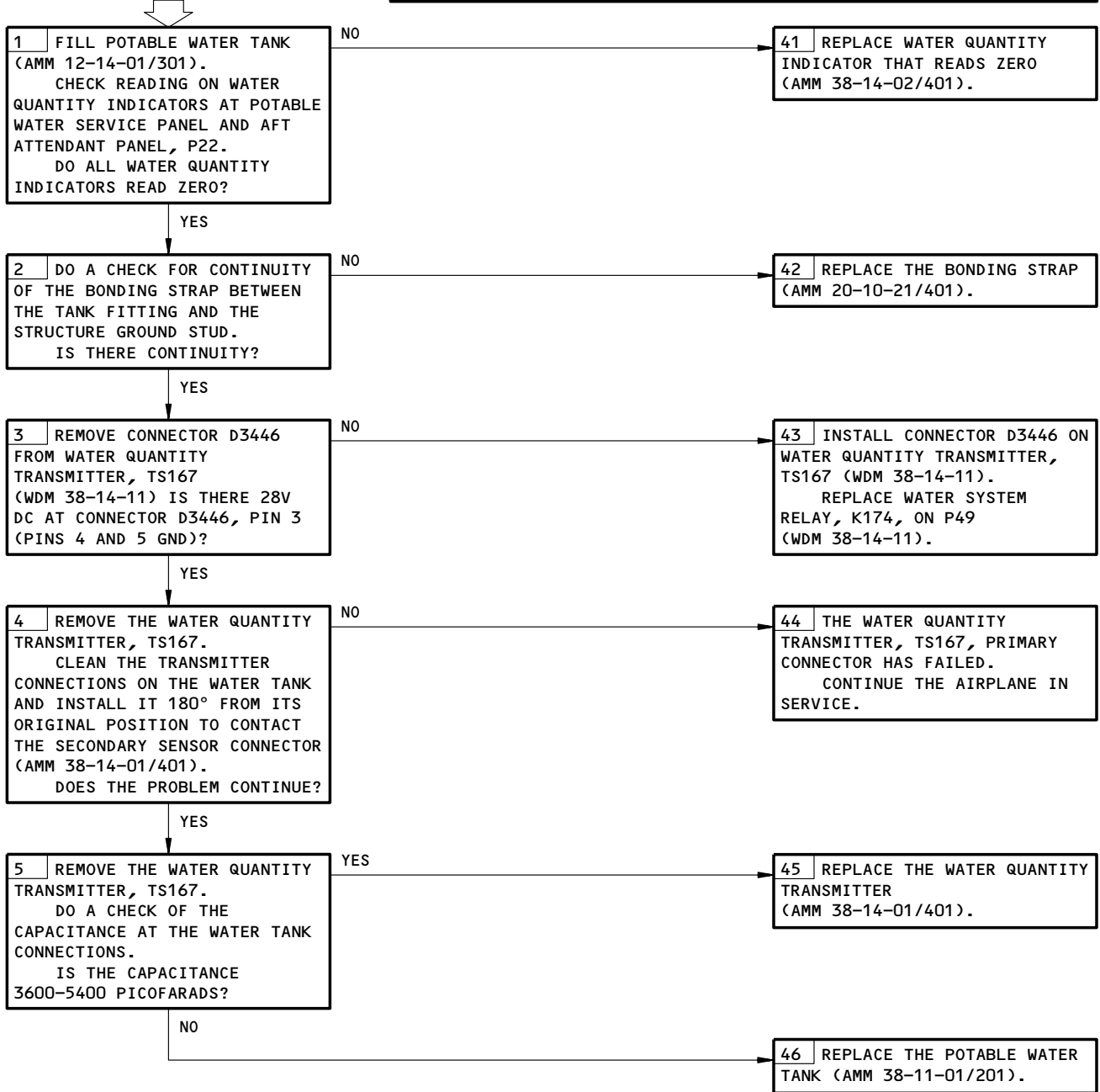
38-10-00

01

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May 10/94

**POTABLE WATER
QUANTITY READS ZERO
WITH WATER FLOW
FROM FAUCETS NORMAL**

PREREQUISITES
MAKE SURE THIS CIRCUIT BREAKER IS CLOSED:
34P11
MAKE SURE THE AIRPLANE IS IN THIS CONFIGURATION:
ELECTRICAL POWER IS ON (AMM 24-22-00/201)



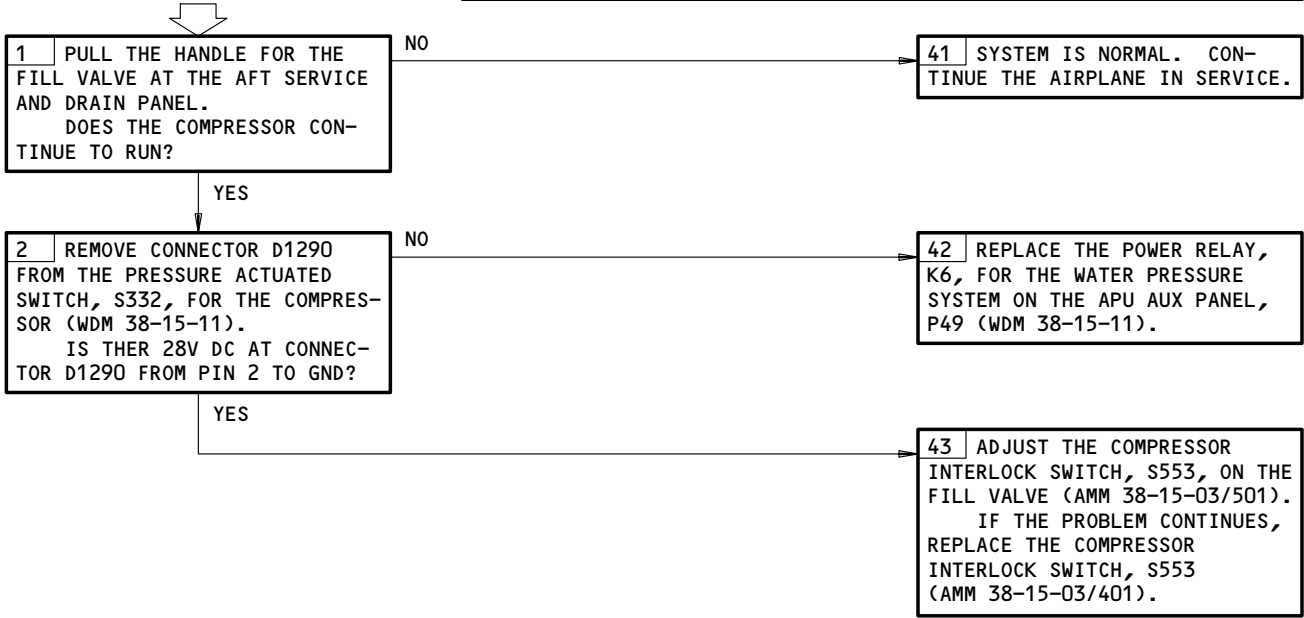
Potable Water Quantity Reads Zero with Water Flow from Faucets Normal
Figure 106

EFFECTIVITY ————
ALL

38-10-00

**COMPRESSOR RUNS
AFTER FILL VALVE
HANDLE IS PULLED**

PREREQUISITES
MAKE SURE THESE CIRCUIT BREAKERS ARE CLOSED:
11U28,34P11
MAKE SURE THE AIRPLANE IS IN THIS CONFIGURATION:
ELECTRICAL POWER IS ON (AMM 24-22-00/201)
ACCESS TO THE COMPRESSOR INTERLOCK SWITCH
(AMM 38-15-03/401), IF NECESSARY








Compressor Runs After Fill Valve Handle Is Pulled
Figure 107

EFFECTIVITY	ALL
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






38-10-00

 **BOEING**
767
FAULT ISOLATION/MAINT MANUAL

WASTE DISPOSAL

COMPONENT	FIG. 102 SHT	QTY	ACCESS/AREA	AMM REFERENCE
ASSEMBLY - TOILET	5		INSIDE LAVATORY	38-32-01
BLOWER - VACUUM, AFT WASTE TANK, M598	2	1	822, AFT OF BULK CARGO COMPT	38-32-06
BLOWER - VACUUM, FWD WASTE TANK, M599	2	1	822, AFT OF BULK CARGO COMPT	38-32-06
CIRCUIT BREAKER -			FLT COMPT, P11	
LAVS SYSTEM 1, FLUSH, C1367		1	11R8	*
LAVS SYSTEM 2, FLUSH, C1368		1	11R35	*
CIRCUIT BREAKER -			119AL, MAIN EQUIP CTR, P36	
VACUUM BLOWER, LAVS SYSTEM 1, C389 		1	36F6	*
VACUUM BLOWER, LAVS SYSTEM 1, C389 		1	36G1	*
CIRCUIT BREAKER -			119AL, MAIN EQUIP CTR, P37	
VACUUM BLOWER LAVS SYSTEM 2, C388		1	37G7	*
FILTER - RINSE LINE 	1	2	822, AFT OF BULK CARGO COMPT	38-32-18
LIGHT - SENSOR FOUL, AFT TANK	4	1	WASTE TANK SERVICE PANEL, 163AL	*
LIGHT - SENSOR FOUL, FWD TANK	4	1	WASTE TANK SERVICE PANEL, 163AL	*
MODULE - SENSOR CONTROL AND LOGIC, AFT WASTE TANK, M965	3	1	822, AFT OF BULK CARGO COMPT	38-33-03
MODULE - SENSOR CONTROL AND LOGIC, FWD WASTE TANK, M964	3	1	822, AFT OF BULK CARGO COMPT	38-33-03
NOZZLE - RINSE	1	4	822, AFT OF BULK CARGO COMPT	38-32-17
NOZZLE - RINSE 	1	2	822, AFT OF BULK CARGO COMPT	38-32-17
RELAY - (FIM 31-01-36/101)				
LAVATORY FLUSH CONTROL, SYSTEM 1, K2310				
LAVATORY FLUSH CONTROL, SYSTEM 2, K2311				
VACUUM BLOWER, K172				
RELAY - (FIM 31-01-49/101)				
VACUUM BLOWER, K173				
SENSOR A - LEVEL, AFT WASTE TANK, TS1	1, 2	1	822, AFT OF BULK CARGO COMPT	38-33-01
SENSOR A - LEVEL, FWD WASTE TANK, TS1	1, 2	1	822, AFT OF BULK CARGO COMPT	38-33-01
SENSOR B - LEVEL, AFT WASTE TANK, TS2	1, 2	1	822, AFT OF BULK CARGO COMPT	38-33-01
SENSOR B - LEVEL, FWD WASTE TANK, TS2	1, 2	1	822, AFT OF BULK CARGO COMPT	38-33-01
SENSOR C - CONTINUOUS LEVEL SENSOR, TS3 	1	2	822, AFT OF BULK CARGO COMPT	38-33-02
SEPARATOR - WATER, AFT WASTE TANK	1, 2	1	822, AFT OF BULK CARGO COMPT	38-32-02
SEPARATOR - WATER, FWD WASTE TANK	1, 2	1	822, AFT OF BULK CARGO COMPT	38-32-02

* SEE THE WDM EQUIPMENT LIST

-  AIRPLANES WITH A WASTE WATER FILTER IN THE RINSE NOZZLE TUBE (SB 767-38-0014)
-  AIRPLANES WITH ONE RINSE NOZZLE PER TANK (SB 767-38-0018)
-  AIRPLANES WITH THE WASTE SENSOR OFF SWITCH FOUND ON THE AFT ATTENDANT PANEL
-  SAS 001-167, 275-280
-  SAS 168-999, 281-999
-  SAS 052-099, 156-199, 277-999
-  SAS 052, 156, 157, 166, 167, 277-281




Waste Disposal - Component Index
Figure 101 (Sheet 1)

EFFECTIVITY

ALL

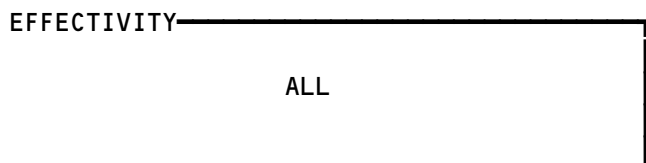
38-30-00

BOEING
767
FAULT ISOLATION/MAINT MANUAL

COMPONENT	FIG. 102 SHT	QTY	ACCESS/AREA	AMM REFERENCE
SWITCH - ALTITUDE PRESSURE, S343	6	1	311BL, STAB. JACKSCREW COMPT	38-32-51
SWITCH - ALTITUDE PRESSURE, S344	6	1	311BL, STAB. JACKSCREW COMPT	38-32-51
SWITCH - FLUSH, S2			INSIDE LAVATORY	38-32-04
SWITCH - LAV INOP, AFT TANK, S17	4	1	AFT ATTENDANT PANEL, P22	*
SWITCH - LAV INOP, FWD TANK, S16	4	1	AFT ATTENDANT PANEL, P22	*
SWITCH - SENSOR FOUL, AFT TANK, S15	4	1	AFT ATTENDANT PANEL, P22	*
SWITCH - SENSOR FOUL, FWD TANK, S14	4	1	AFT ATTENDANT PANEL, P22	*
SWITCH - SENSOR OFF, AFT TANK, S22 	4	1	AFT ATTENDANT PANEL, P22	*
SWITCH - SENSOR OFF, FWD TANK, S21 	4	1	AFT ATTENDANT PANEL, P22	*
SWITCH - SERVICE PANEL DOOR, S352	4	1	WASTE TANK SERVICE PANEL, 163AL	*
SWITCH - SERVICE PANEL DOOR, S353	4	1	WASTE TANK SERVICE PANEL, 163AL	*
TANK - WASTE, AFT	1	1	822, AFT OF BULK CARGO COMPT	38-32-11
TANK - WASTE, FWD	1	1	822, AFT OF BULK CARGO COMPT	38-32-11
VALVE - DRAIN, AFT TOILET TANK	2	1	822, AFT OF BULK CARGO COMPT	38-32-03
VALVE - DRAIN, FWD TOILET TANK	2	1	822, AFT OF BULK CARGO COMPT	38-32-03
VALVE - PRECHARGE SHUTOFF, V386, V387 	1	2	822, AFT OF BULK CARGO COMPT	38-32-19

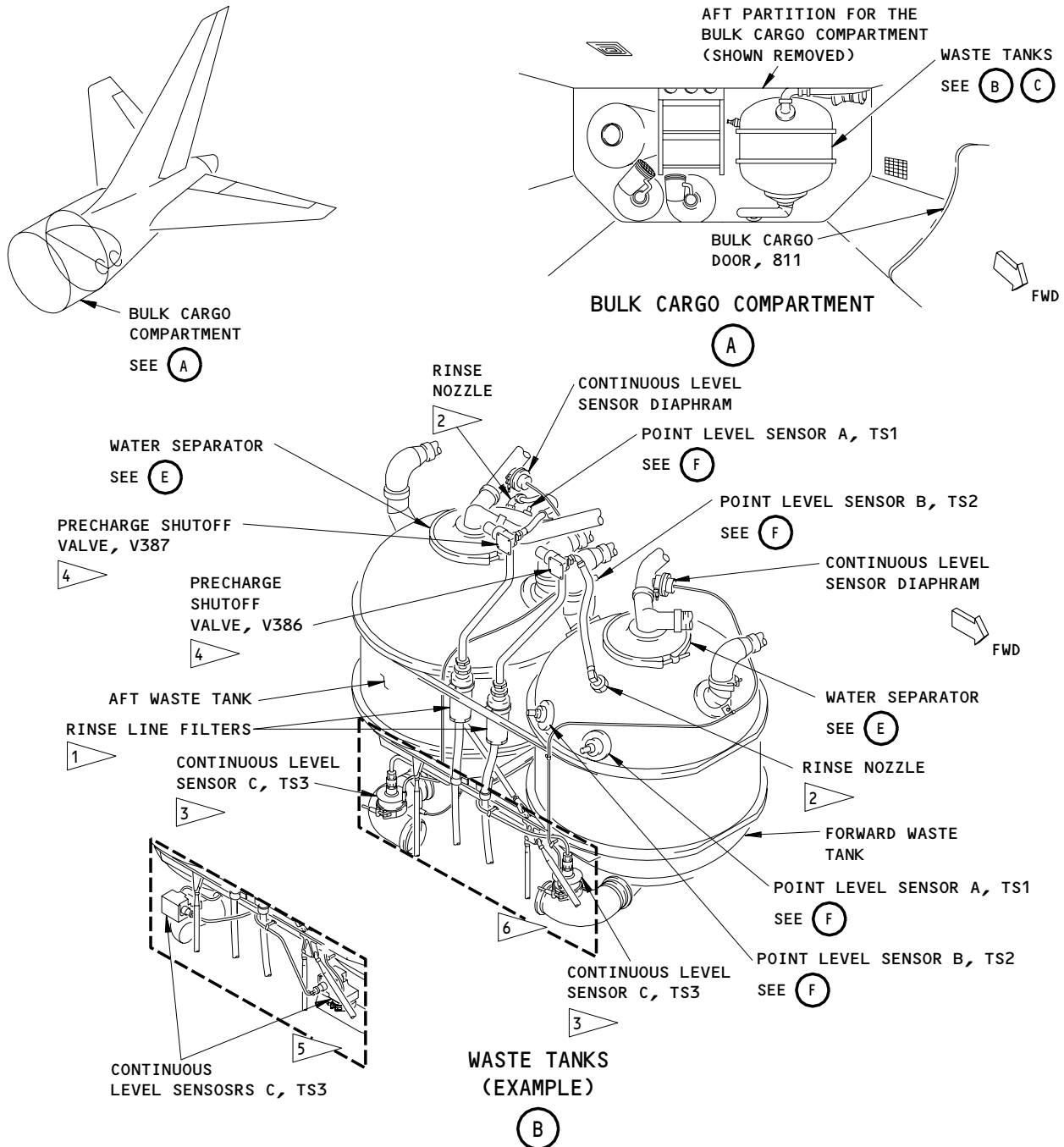
* SEE THE WDM EQUIPMENT LIST

Waste Disposal - Component Index
Figure 101 (Sheet 2)



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FAULT ISOLATION/MAINT MANUAL



- 1 AIRPLANES WITH THE RINSE LINE FILTERS (SB 767-38-0014)
- 2 AIRPLANES WITH ONE RINSE NOZZLE ON EACH WASTE TANK
- 3 AIRPLANES WITH THE CONTINUOUS LEVEL SENSORS
- 4 AIRPLANES WITH THE PRECHARGE SHUTOFF VALVE

- 5 AIRPLANES WITH THE CONTINUOUS LEVEL SENSORS WITH L-SHAPE PROFILE
- 6 AIRPLANES WITH THE CONTINUOUS LEVEL SENSORS WITH CYLINDRICAL SENSOR MODULE

Waste Disposal - Component Location
Figure 102 (Sheet 1)

EFFECTIVITY

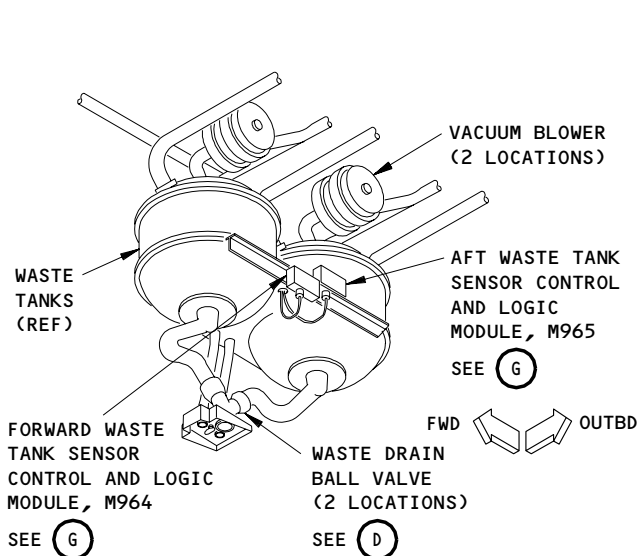
ALL

38-30-00

16

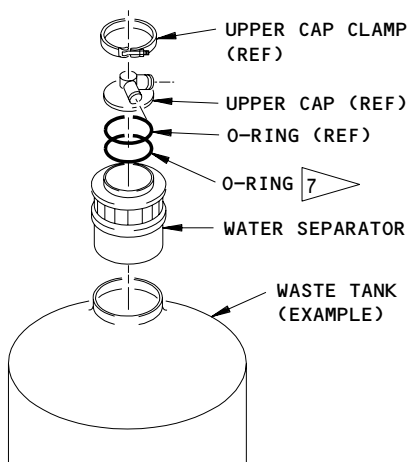
Page 103
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MD8364



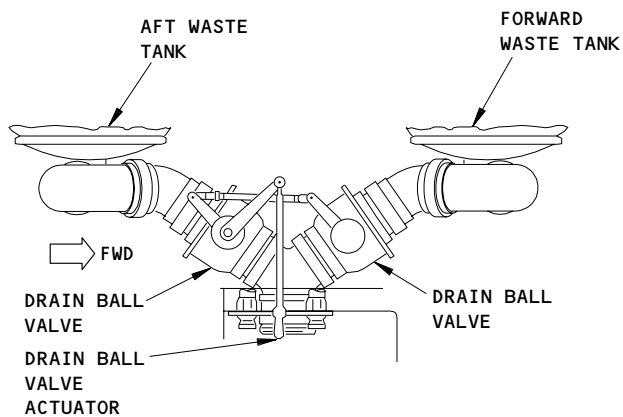
WASTE TANKS

(C)



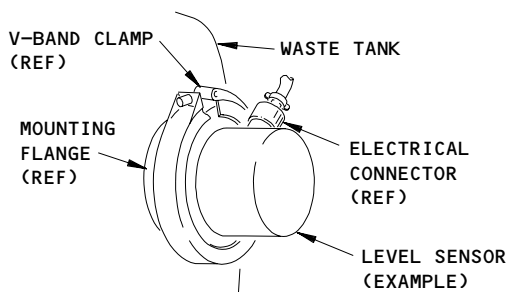
WATER SEPARATOR

(E)



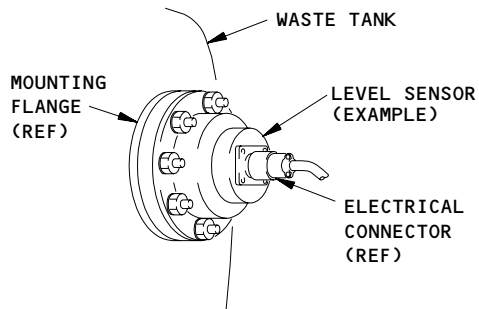
WASTE DRAIN BALL VALVE

(D)



LEVEL SENSOR

(F) 8



LEVEL SENSOR

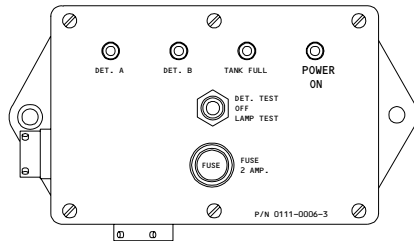
(F) 9

- 7 AIRPLANES WITH TWO O-RINGS
- 8 RECOMMENDED CONFIGURATION
- 9 ALTERNATIVE CONFIGURATION

Waste Disposal - Component Location
Figure 102 (Sheet 2)

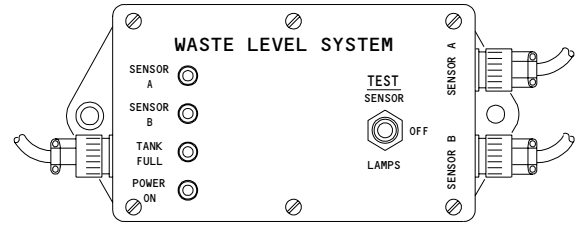
EFFECTIVITY	ALL

38-30-00



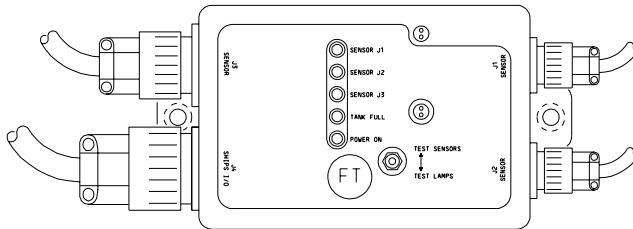
FORWARD/AFT LOGIC CONTROL MODULE

(G) 10



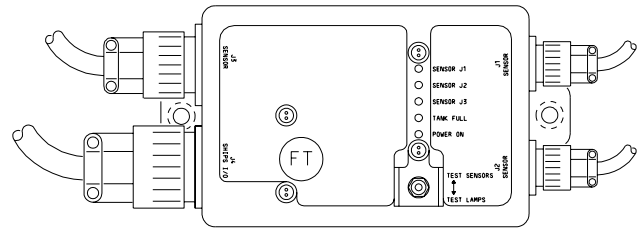
FORWARD/AFT LOGIC CONTROL MODULE

(G) 11



FORWARD/AFT LOGIC CONTROL MODULE

(G) 12



FORWARD/AFT LOGIC CONTROL MODULE

(G) 13

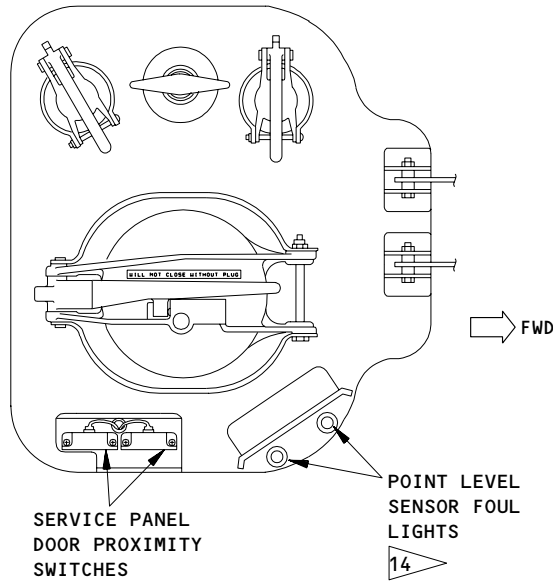
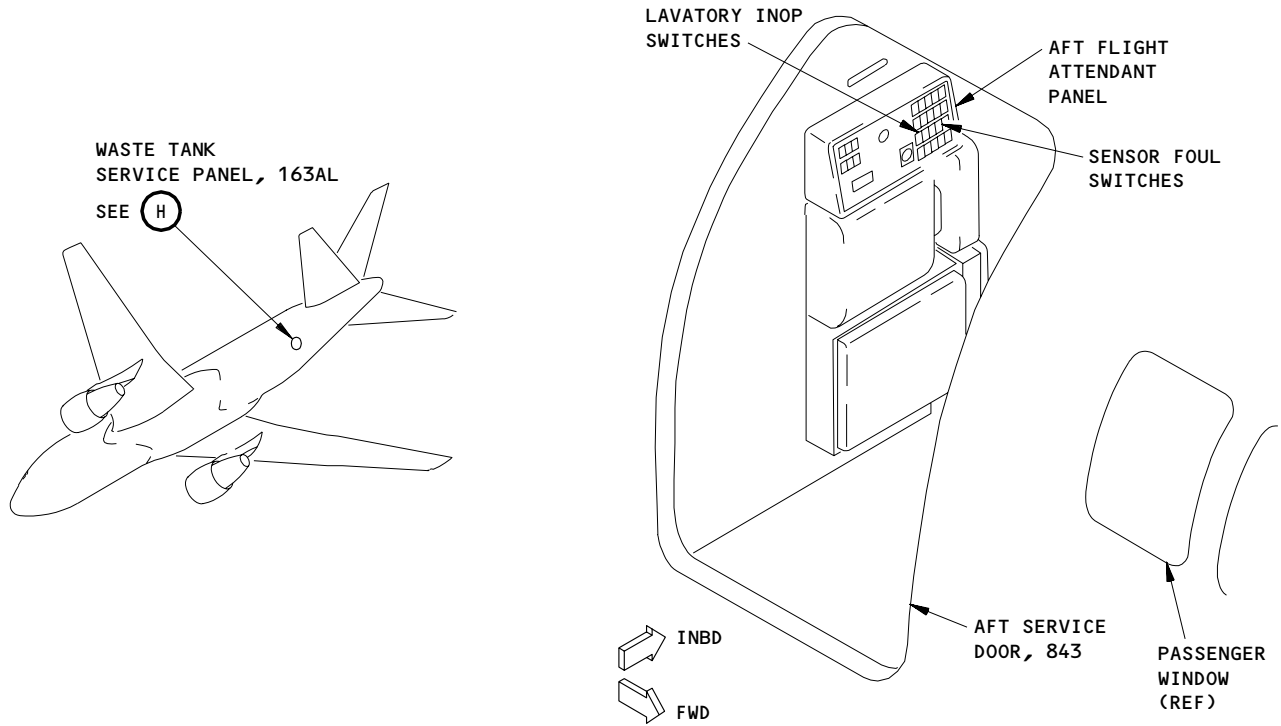
- 10 AIRPLANES WITH THE KAISER LOGIC CONTROL MODULE
- 11 AIRPLANES WITH THE DREXELBROOK LOGIC CONTROL MODULE
- 12 AIRPLANES WITH ROSEMOUNT LOGIC CONTROL MODULE WITHOUT A GUARD ON THE TEST SWITCH
- 13 AIRPLANES WITH ROSEMOUNT LOGIC CONTROL MODULE WITH A GUARD ON THE TEST SWITCH

Waste Disposal - Component Location
Figure 102 (Sheet 3)

EFFECTIVITY	ALL
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38-30-00

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767
FAULT ISOLATION/MAINT MANUAL



WASTE TANK SERVICE PANEL, 163AL

14 NOT ON ALL AIRPLANES

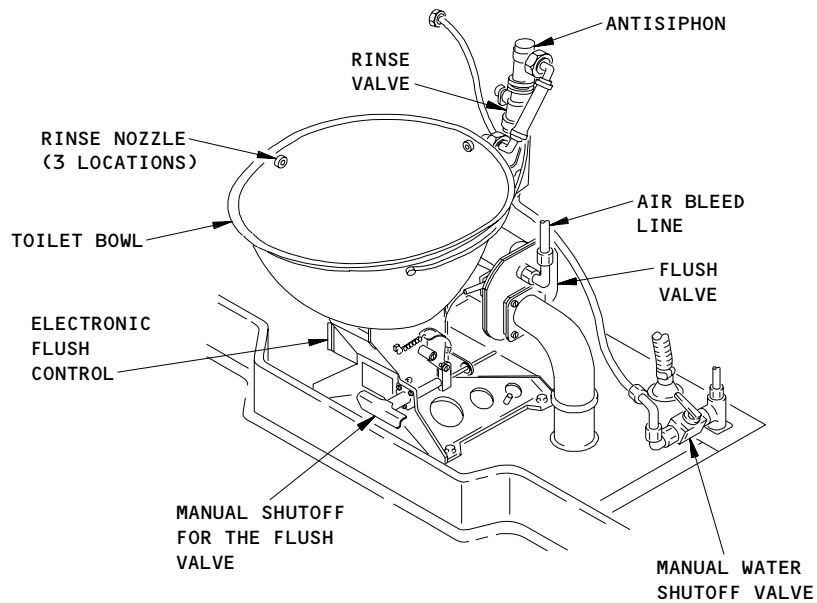
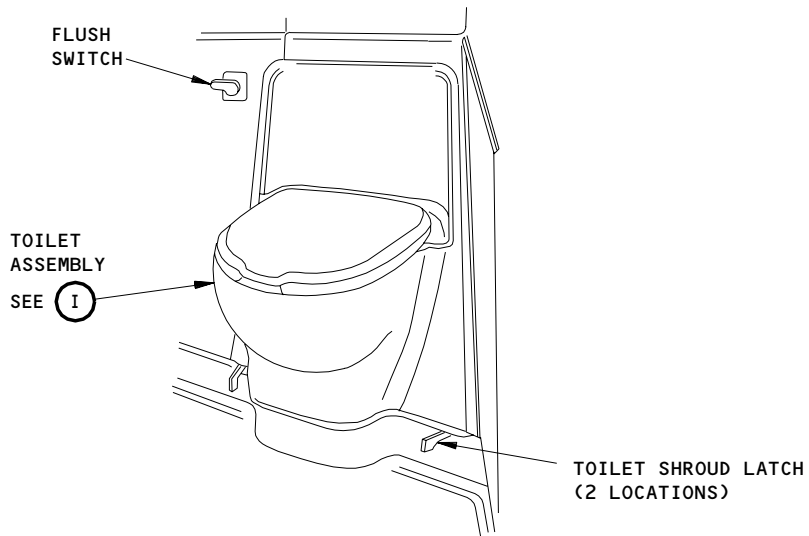
(H)

Waste Disposal - Component Location
Figure 102 (Sheet 4)

EFFECTIVITY	ALL
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38-30-00

BOEING
767
FAULT ISOLATION/MAINT MANUAL



TOILET ASSEMBLY
(ENVIROVAC)

(I)

Waste Disposal - Component Location
Figure 102 (Sheet 5)

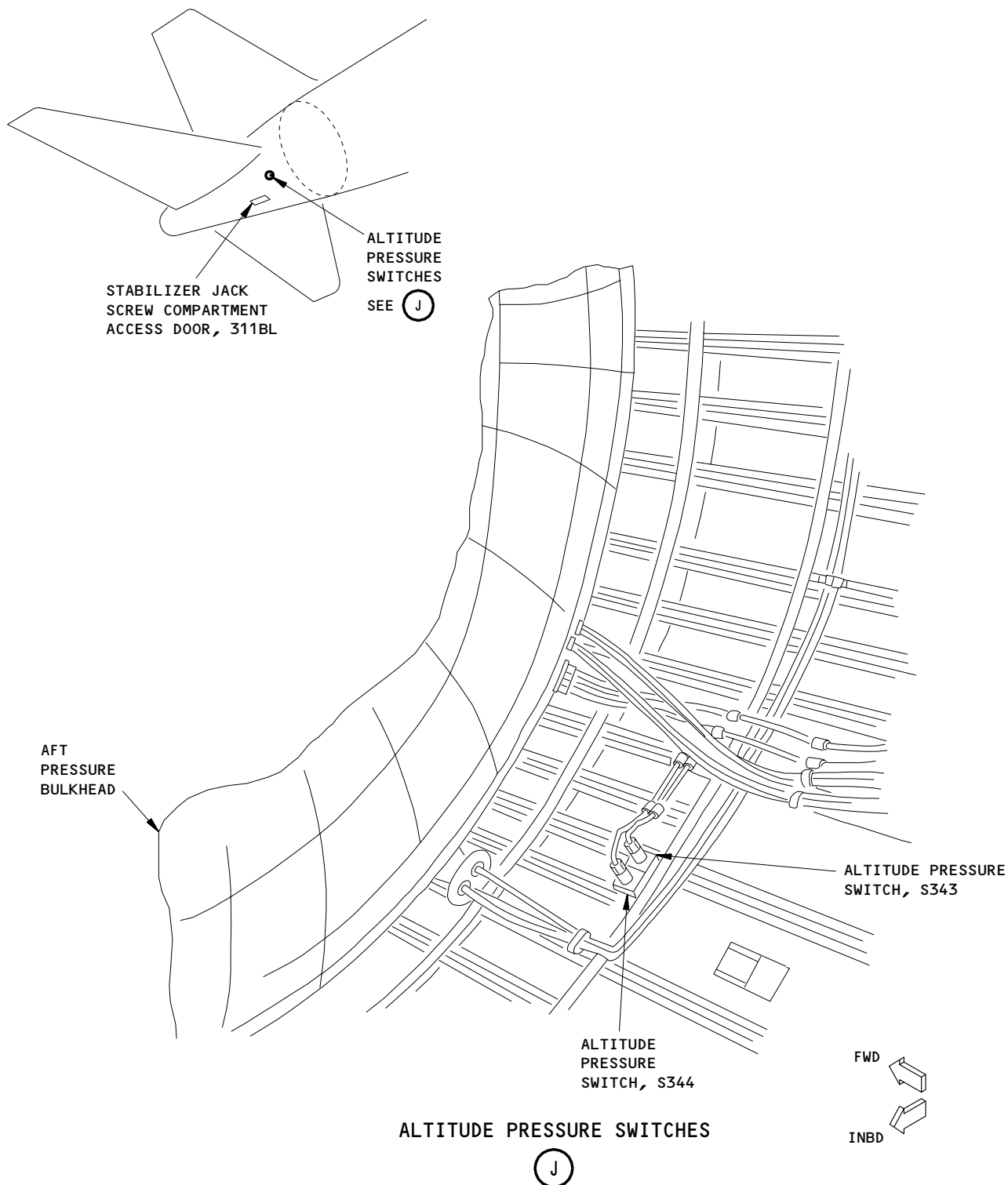
EFFECTIVITY	
	ALL

38-30-00

04

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MD9294

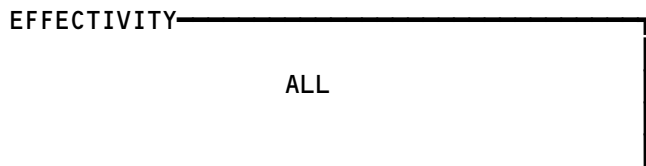


Waste Disposal - Component Location
Figure 102 (Sheet 6)

EFFECTIVITY	ALL
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Not Used
Figure 103



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02

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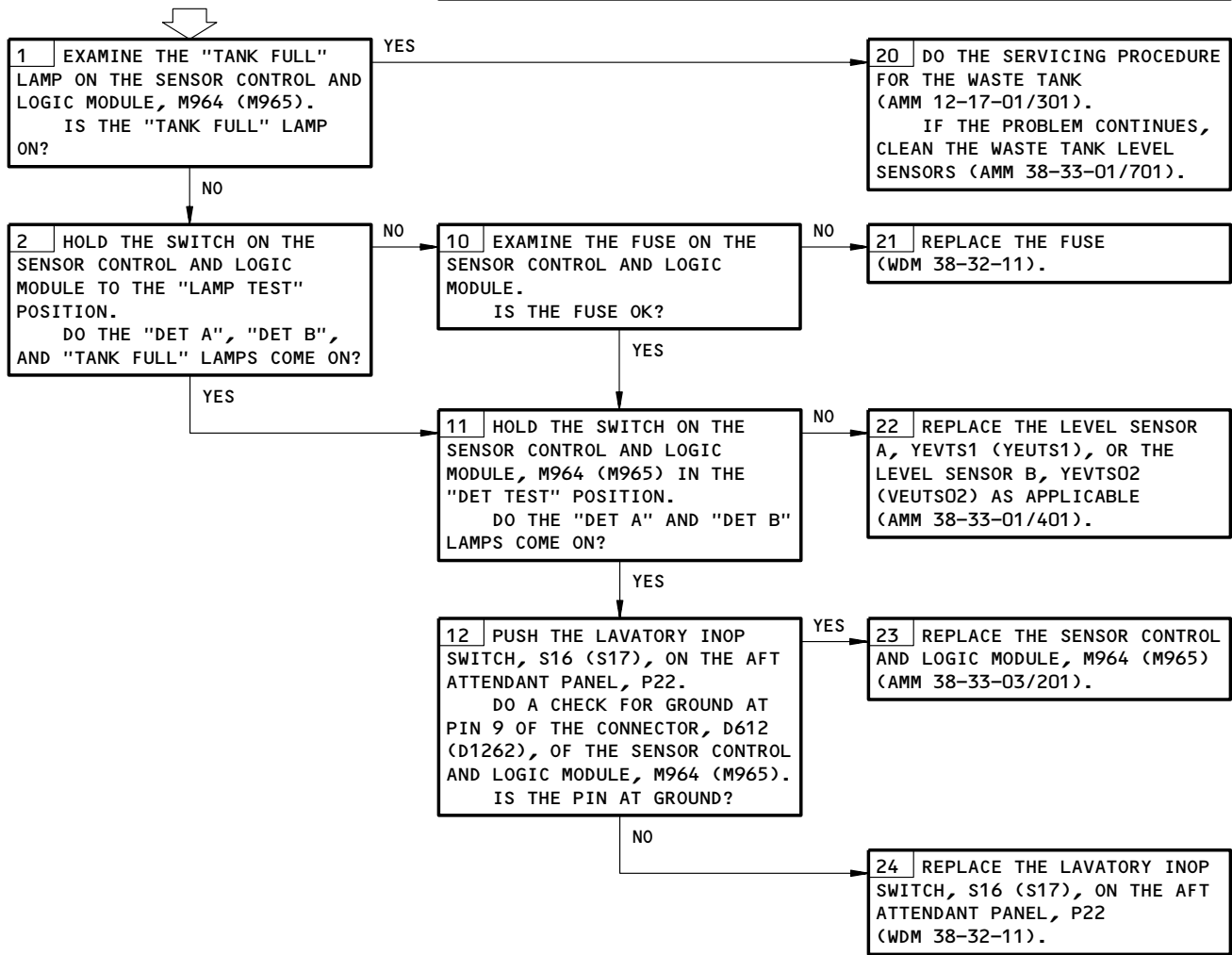
614321

**"LAV INOP" TEST AT
AFT CABIN ATTND
PANEL FAILED TO
TEST**

PREREQUISITES

MAKE SURE THESE CIRCUIT BREAKERS ARE CLOSED:
11R8, 11R35, 11U2, 36F6, 36F7 OR 36G1 (VAC BLWR SYS 1); 37G7

MAKE SURE THE AIRPLANE IS IN THIS CONFIGURATION:
ELECTRICAL POWER IS ON (AMM 24-22-00/201)



LAV INOP Test at Aft Cabin Attnd Panel Failed to Test
Figure 104 (Sheet 1)

EFFECTIVITY
SAS 150-154; MTH 275

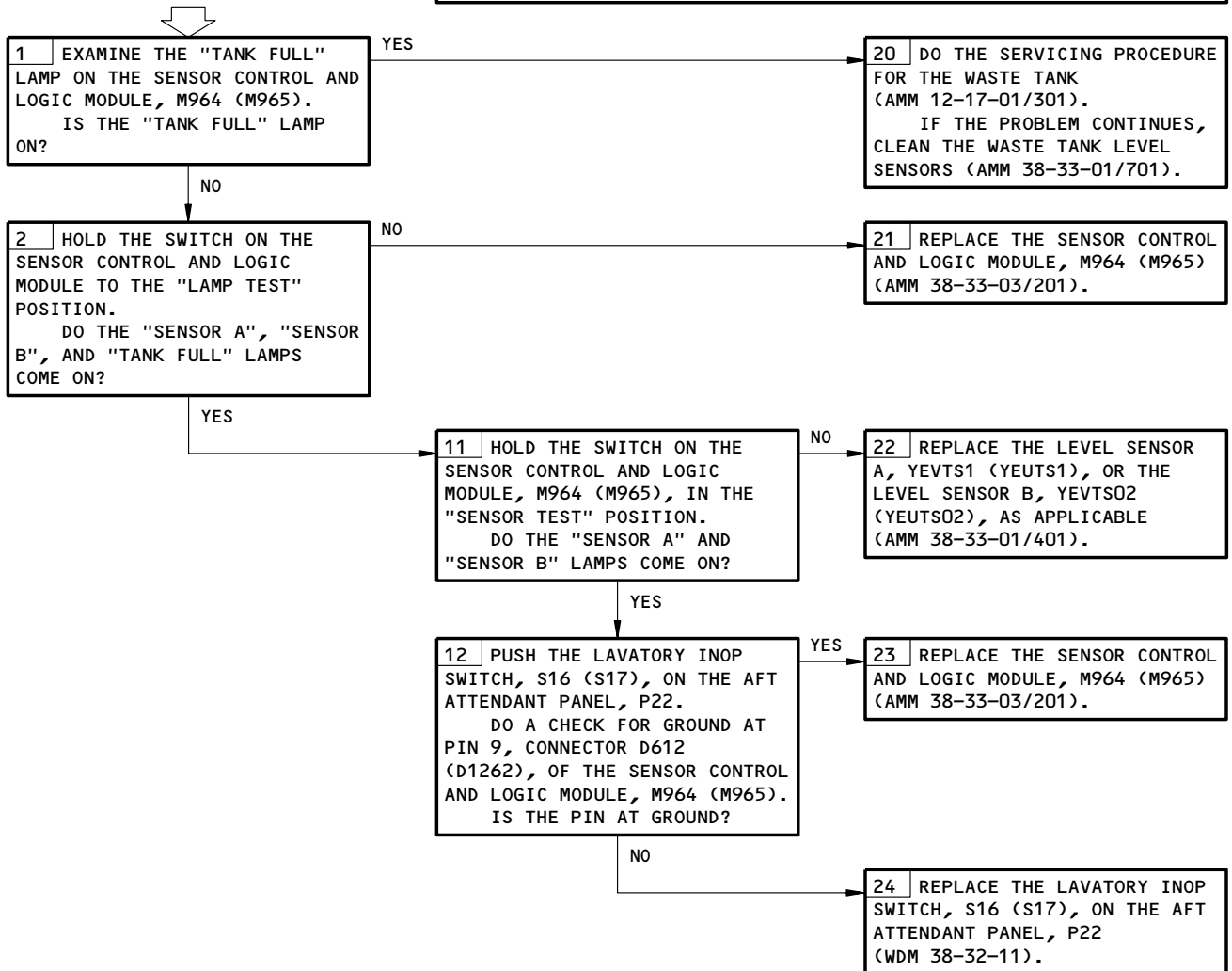
38-30-00

"LAV INOP" TEST AT
AFT CABIN ATTND
PANEL FAILED TO
TEST

PREREQUISITES

MAKE SURE THESE CIRCUIT BREAKERS ARE CLOSED:
11R8, 11R35, 11U2, 36F6, 36F7 OR 36G1 (VAC BLWR SYS
1); 37G7

MAKE SURE THE AIRPLANE IS IN THIS CONFIGURATION:
ELECTRICAL POWER IS ON (AMM 24-22-00/201)



LAV INOP Test at Aft Cabin Attnd Panel Failed to Test
Figure 104 (Sheet 2)

EFFECTIVITY
ALL EXCEPT SAS 150-154; ALL EXCEPT MTH
275

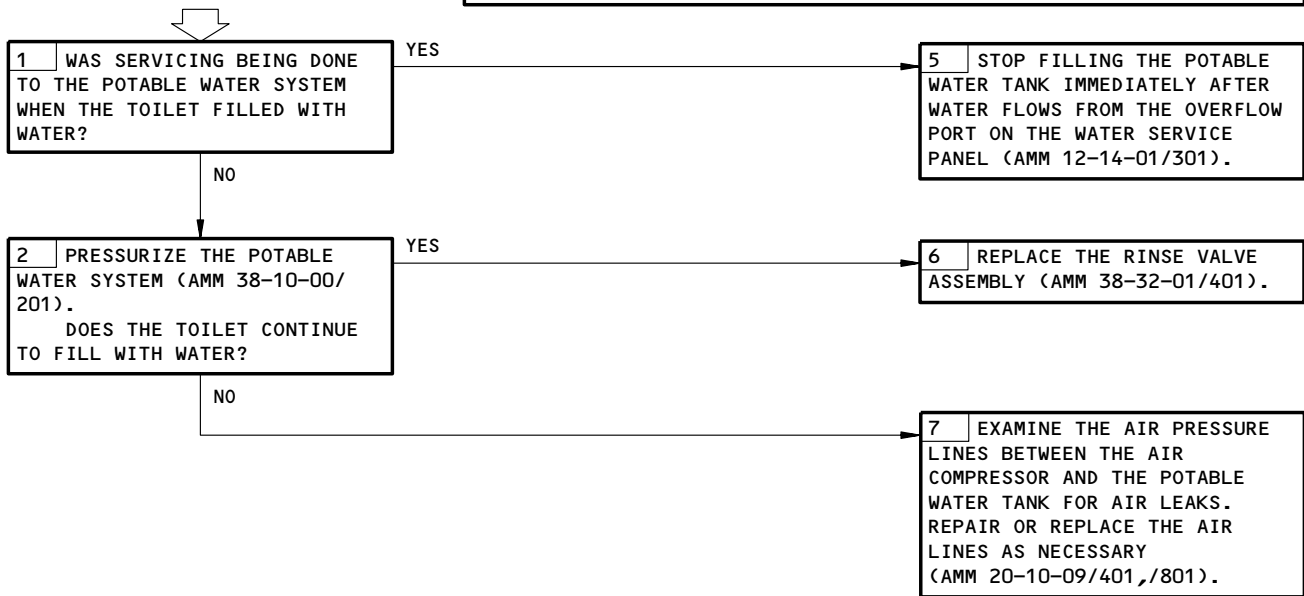
38-30-00

PREREQUISITES

MAKE SURE THESE CIRCUIT BREAKERS ARE CLOSED:
 11R8, 11R35, 36F6, 36F7 OR 36G1 (VAC BLWR SYS 1);
 37G7

MAKE SURE THE AIRPLANE IS IN THIS CONFIGURATION:
 ELECTRICAL POWER IS ON (AMM 24-22-00/201)

TOILET FILLS WITH WATER



Toilet Fills With Water
Figure 104A

EFFECTIVITY	ALL
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38-30-00

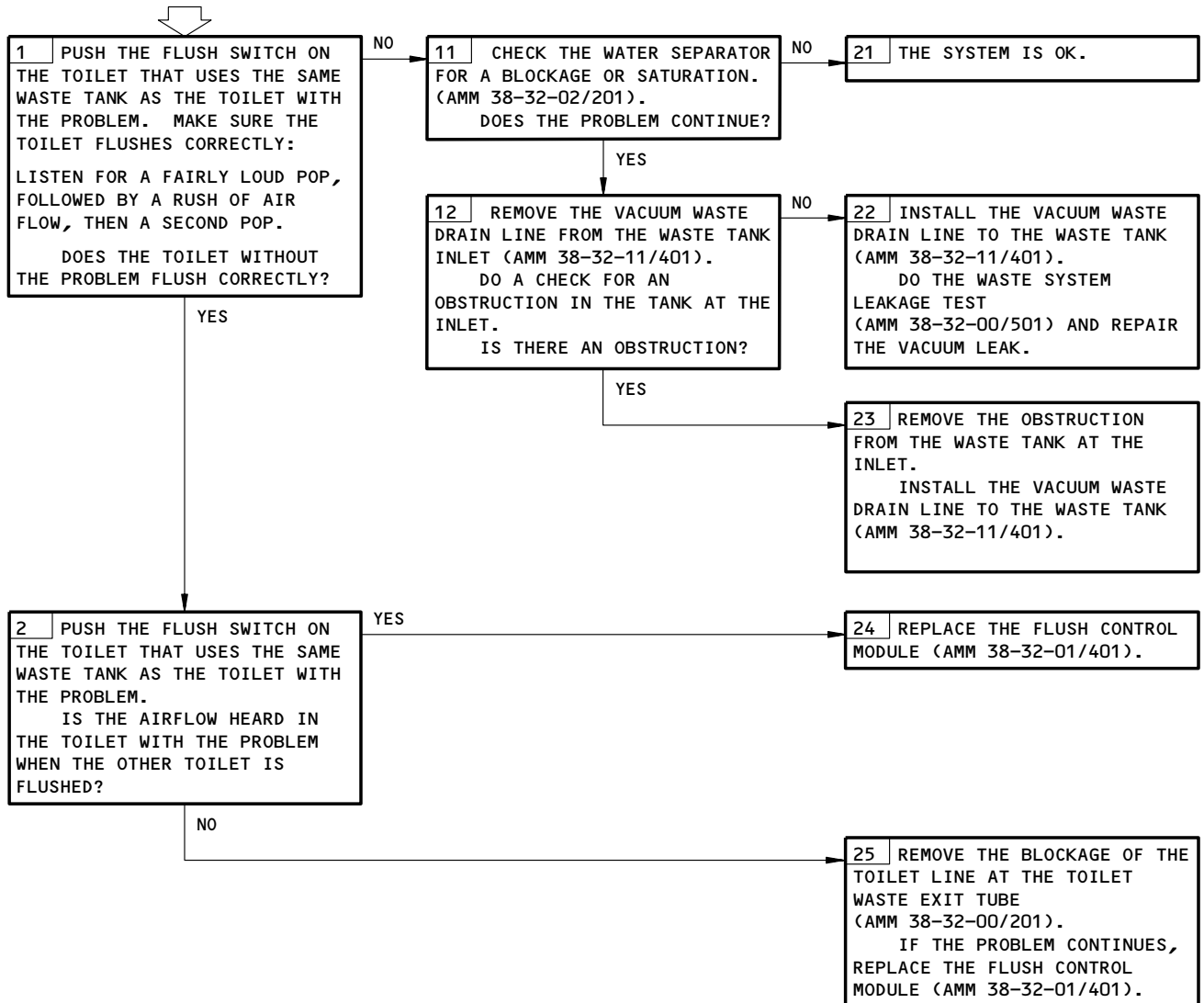
643396

**TOILET FLUSHING
ACTION INADEQUATE**

PREREQUISITES

MAKE SURE THESE CIRCUIT BREAKERS ARE CLOSED:
11R8, 11R35, 36F6, 36F7 OR 36G1 (VAC BLWR SYS 1),
37G7

MAKE SURE THE AIRPLANE IS IN THIS CONFIGURATION:
ELECTRICAL POWER IS ON (AMM 24-22-00/201)
SERVICE ACCESS DOOR FOR WASTE TANK IS CLOSED



Toilet Flushing Action Inadequate
Figure 105

EFFECTIVITY

ALL

38-30-00

02

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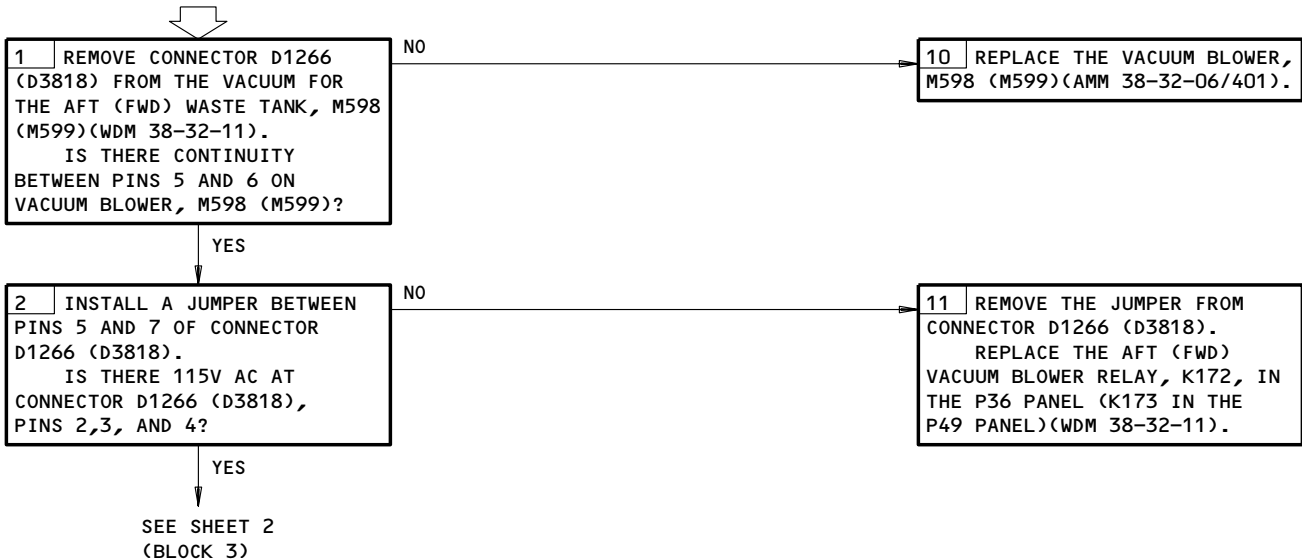
N89441

ALL TOILETS ON A WASTE SYSTEM DO NOT FLUSH. LAV OP LIGHT(S) AT AFT CABIN ATTND PANEL TEST NORMAL AND ARE NOT ILLUMINATED. AIRPLANE IS ON THE GROUND OR AT AIRPLANE ALTITUDE BELOW 16,000 FT.

PREREQUISITES

MAKE SURE THESE CIRCUIT BREAKERS ARE CLOSED:
11R8; 11R35; 36F6, 36F7 OR 36G1 (VAC BLWR SYS 1); 37G7

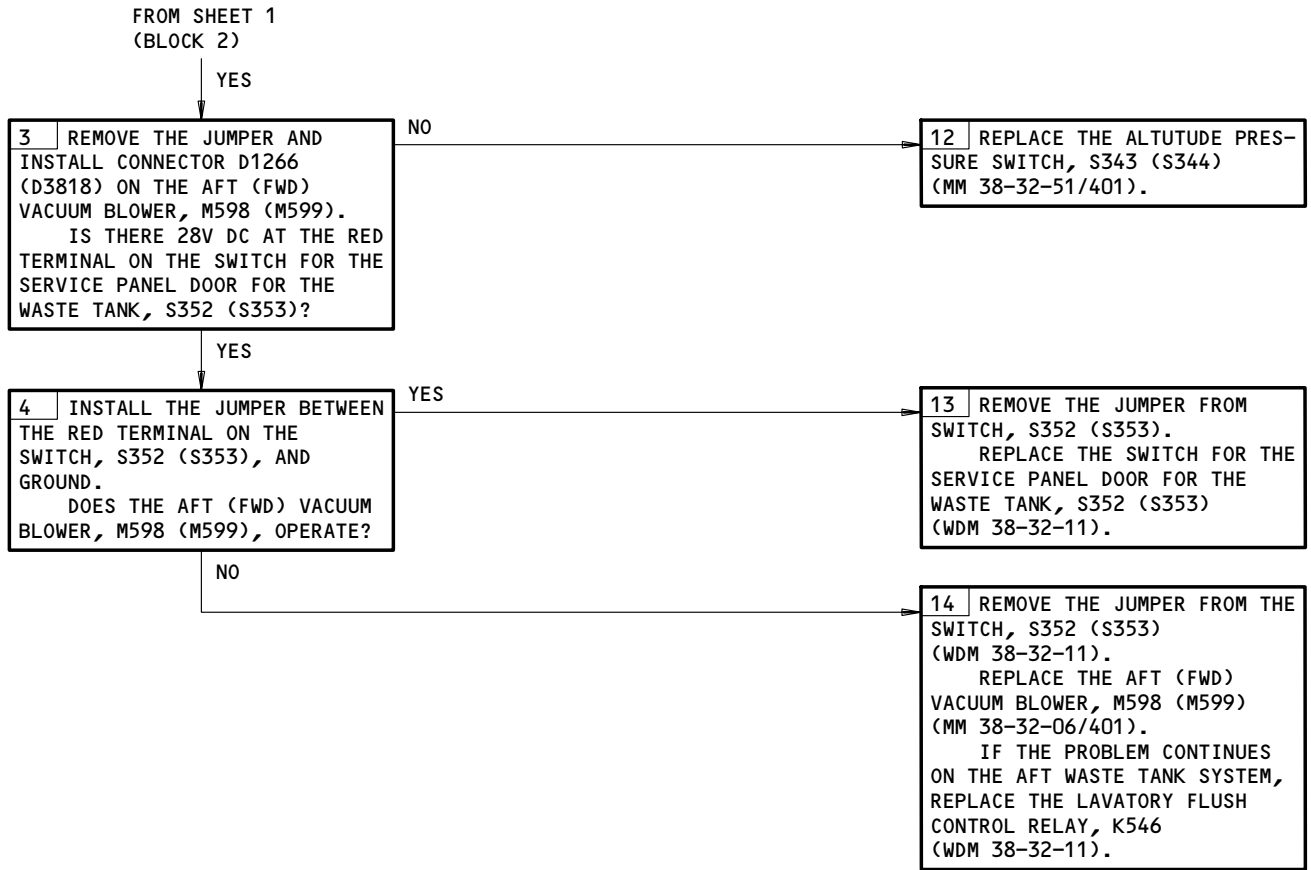
MAKE SURE THE AIRPLANE IS IN THIS CONFIGURATION:
ELECTRICAL POWER IS ON (AMM 24-22-00/201)
SERVICE ACCESS DOOR FOR WASTE TANK IS CLOSED



All Toilets on a Waste System Do Not Flush. LAV OP Light(s) at Aft Cabin Attnd Panel Test Normal and Are Not Illuminated. Airplane Is on the Ground or at Airplane Altitude Below 16,000 Feet
Figure 106 (Sheet 1)

EFFECTIVITY	ALL
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38-30-00



All Toilets on a Waste System Do Not Flush. LAV OP Light(s) at Aft Cabin
 Attn Panel Test Normal and Are Not Illuminated. Airplane Is on the Ground or
 at Airplane Altitude Below 16,000 Feet
 Figure 106 (Sheet 2)

EFFECTIVITY

ALL

38-30-00

02

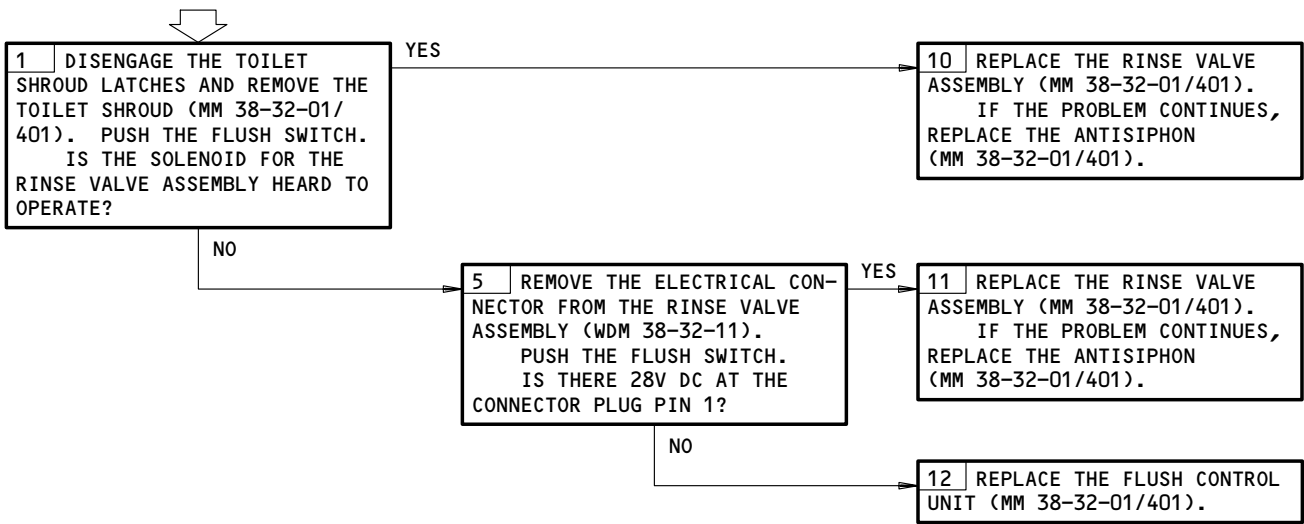
Page 115
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PREREQUISITES

MAKE SURE THESE CIRCUIT BREAKERS ARE CLOSED:
11R8,11R35

MAKE SURE THE AIRPLANE IS IN THE CONFIGURATION THAT FOLLOWS:
ELECTRICAL POWER IS ON (MM 24-22-00/201)
POTABLE WATER SYSTEM IS PRESSURIZED (MM 38-10-00/201)

LAV DOES NOT RINSE



Lav Does Not Rinse
Figure 107

EFFECTIVITY	ALL
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38-30-00

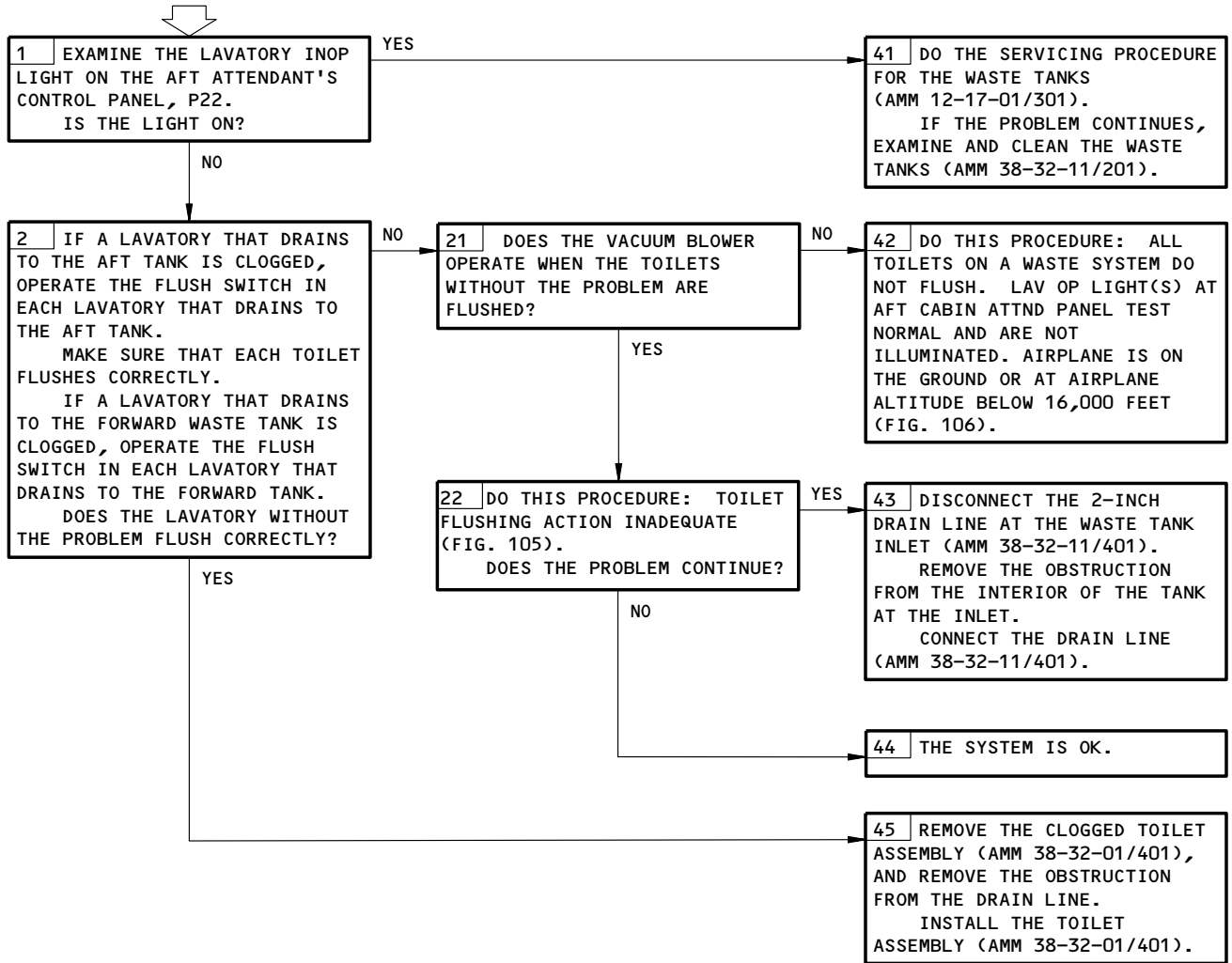
295377

PREREQUISITES

MAKE SURE THESE CIRCUIT BREAKERS ARE CLOSED:
11R8, 11R35, 36F6, 36F7 OR 36G1 (VAC BLWR SYS 1),
37G7

MAKE SURE THE AIRPLANE IS IN THIS CONFIGURATION:
ELECTRICAL POWER IS ON (AMM 24-22-00/201)
POTABLE WATER SYSTEM IS PRESSURIZED
(AMM 38-10-00/201)
SERVICE ACCESS DOOR FOR WASTE TANK IS CLOSED

TOILET IS CLOGGED



Toilet Is Clogged
Figure 108

EFFECTIVITY

ALL

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04

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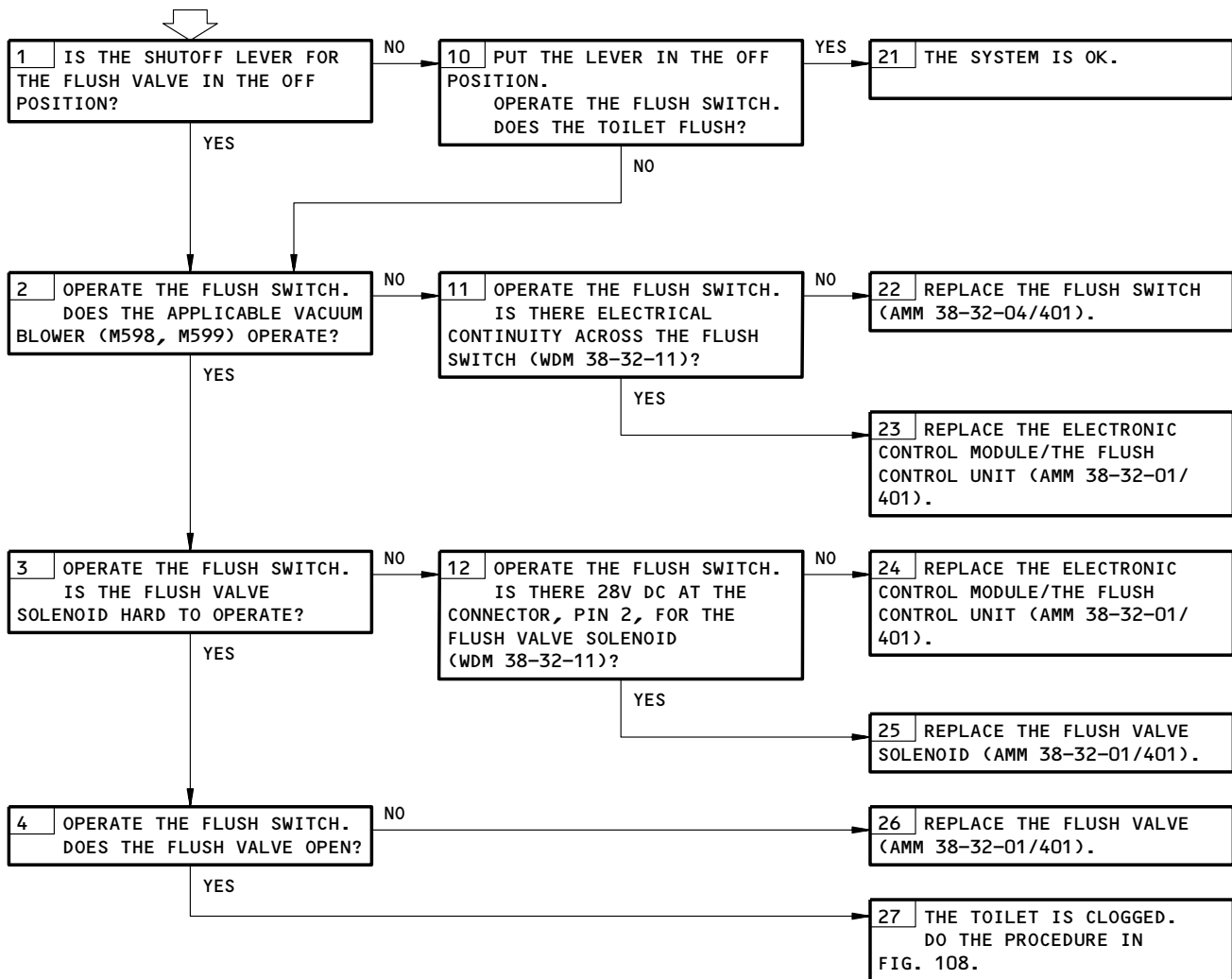
162156

PREREQUISITES

MAKE SURE THESE CIRCUIT BREAKERS ARE CLOSED:
11R8, 11R35, 36F6, 36F7 OR 36G1 (VAC BLWR SYS 1);
37G7

MAKE SURE THE AIRPLANE IS IN THIS CONFIGURATION:
ELECTRICAL POWER IS ON (AMM 24-22-00/201)
SERVICE ACCESS DOOR FOR WASTE TANK IS CLOSED

TOILET DOES NOT FLUSH



Toilet Does Not Flush
Figure 109

EFFECTIVITY	ALL
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38-30-00

PREREQUISITES

MAKE SURE THESE CIRCUIT BREAKERS ARE CLOSED:
11R8, 11R35, 34N10, 34N11, 36F6, 36F7 OR 36G1 (VAC
BLWR SYS 1); 37G7

MAKE SURE THE AIRPLANE IS IN THIS CONFIGURATION:
ELECTRICAL POWER IS ON (AMM 24-22-00/201)
WASTE TANK DRAIN VALVES AND SERVICE PANEL DOOR
CLOSED
WASTE QUANTITY SELECT SWITCH ON THE LAVATORY
OPERATION MODULE IS SET TO THE APPLICABLE WASTE
TANK

**LEVEL SENSING SYSTEM
TROUBLESHOOTING –
ROSEMOUNT "LCM"**

NOTE: ABBREVIATIONS: CLS – CONTINUOUS LEVEL SENSOR
LCM – LEVEL SENSOR LOGIC
CONTROL MODULE
PLS – POINT LEVEL SENSOR



FAULT SYMPTOM	CORRECTIVE ACTION
<p><u>WASTE DISPOSAL PROBLEMS</u> SYMPTOM A PRECHARGE SHUTOFF VALVE DOES NOT OPERATE</p>	<p><u>NOTE:</u> WHEN THE PRECHARGE SHUTOFF VALVE OPERATES CORRECTLY, STOP THE PROCEDURE AND CONNECT THE CABLES.</p> <p>A. MAKE SURE THE WASTE TANK IS EMPTY (AMM 12-17-01/301). B. MAKE SURE THE VACUUM BLOWERS FOR THE WASTE TANKS ARE OFF. C. DO A BITE CHECK FROM THE ATTENDANT PANEL (PUSH THE LAV INOP LIGHT SWITCH). D. MAKE SURE THE GREEN LED ON THE LCM IS ON. (1) IF THE GREEN LED IS OFF OR FLASHES; DO A CHECK OF THE LISTED CIRCUIT BREAKERS AND POWER CIRCUITS IN THE AIRPLANE.</p> <p><u>NOTE:</u> TOO MUCH ELECTRICAL NOISE OR CYCLING ON THE 28V DC BUS CAN CAUSE THE LCM TO STOP THE OPERATION OF THE PRECHARGE VALVE. THE GREEN LED DOES NOT ALWAYS SHOW THIS NOISE.</p> <p>E. PUSH THE SWITCH ON THE LCM TO THE TEST SENSORS POSITION MOMENTARILY. (1) MAKE SURE ALL FOUR RED LEDS COME ON FOR 3 SECONDS. (2) IF THE FOUR RED LEDS DO NOT COME ON, REPLACE THE LCM (AMM 38-33-03/201). F. WAIT 5 SECONDS AND LOOK AT THE RED LCM LEDS. (1) IF ONE OR MORE RED LEDS ARE ON OR FLASHES, DO THE LED TROUBLESHOOTING BELOW. (2) IF ALL FOUR RED LEDS FLASH IN A 1.6 SECOND CYCLE, REPLACE THE LCM (AMM 38-33-03/201). G. DO THE AUTO-ZERO PROCEDURE (AMM 38-33-00/501). H. IF THE PRECHARGE SHUTOFF VALVE DOES NOT OPERATE CORRECTLY AFTER YOU DO THE AUTOZERO PROCEDURE, DISCONNECT CABLE J4 SHIPS I/O FROM THE LCM.</p>

**LEVEL SENSING SYSTEM TROUBLESHOOTING
TABLE A**

Level Sensing System Troubleshooting – Rosemount LCM
Figure 110 (Sheet 1)

EFFECTIVITY

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 **BOEING**
767
FAULT ISOLATION/MAINT MANUAL

FAULT SYMPTOM	CORRECTIVE ACTION
<p><u>WASTE DISPOSAL PROBLEMS</u></p> <p>SYMPTOM A</p> <p>PRECHARGE SHUTOFF VALVE DOES NOT OPERATE (CONT)</p> <p>SYMPTOM B</p> <p>ALL TOILETS CONNECTED TO ONE WASTE TANK DO NOT OPERATE</p> <p style="text-align: center;"><u>NOTE</u></p> <p>IF ONE OR MORE OF THE TOILETS CONNECTED TO A WASTE TANK OPERATE, THE LCM IS OPERATING CORRECTLY AND IS NOT THE CAUSE OF THE PROBLEM.</p> <p>SYMPTOM C</p> <p>LIGHTS ON THE ATTENDANT AND/OR SERVICE PANELS FLASH</p>	<p>I. CONNECT A JUMPER FROM PIN 12 TO PIN 7 OF CABLE J4.</p> <p style="padding-left: 20px;"><u>NOTE:</u> THE PRECHARGE SHUTOFF VALVE MUST OPEN.</p> <p>J. DISCONNECT THE JUMPER FROM PIN 12 TO PIN 7 OF CABLE J4.</p> <p style="padding-left: 20px;"><u>NOTE:</u> THE PRECHARGE SHUTOFF VALVE MUST CLOSE.</p> <p>(1) IF THE PRECHARGE SHUTOFF VALVE OPENS AND CLOSES CORRECTLY, REPLACE THE LCM (AMM 38-33-03/201).</p> <p>(2) IF THE PRECHARGE SHUTOFF VALVE DOES NOT OPEN AND CLOSE CORRECTLY, MAKE SURE THE PRECHARGE VALVE CONTROL RELAY AND ELECTRIC CIRCUITS OPERATE CORRECTLY.</p> <p>(3) IF THE PRECHARGE SHUTOFF VALVE CONTROL RELAY AND ELECTRIC CIRCUITS OPERATE CORRECTLY, REPLACE THE PRECHARGE SHUTOFF VALVE (AMM 38-32-19/401).</p> <p>K. CONNECT CABLE J4 SHIPS I/O TO LCM.</p> <p>A. MAKE SURE THE WASTE TANK IS EMPTY (AMM 12-17-01/301).</p> <p>B. MAKE SURE THE VACUUM BLOWERS FOR THE WASTE TANKS ARE OFF.</p> <p>C. MAKE SURE THE GREEN LED ON THE LCM IS ON.</p> <p style="padding-left: 20px;">(1) IF THE GREEN LED IS OFF OR FLASHES, DO A CHECK OF THE LISTED CIRCUIT BREAKERS AND POWER CIRCUITS IN THE AIRPLANE.</p> <p>D. PUSH THE SWITCH ON THE LCM TO THE TEST SENSORS POSITION MOMENTARILY.</p> <p style="padding-left: 20px;">(1) MAKE SURE ALL FOUR LEDs COME ON FOR 3 SECONDS.</p> <p style="padding-left: 20px;">(2) IF THE FOUR LEDs DO NOT COME ON, REPLACE THE LCM (AMM 38-33-03/201).</p> <p>E. AFTER 5 SECONDS, LOOK AT THE RED LEDs.</p> <p style="padding-left: 20px;">(1) IF ONE OR MORE RED LEDs ARE ON OR FLASH, DO LED TROUBLESHOOTING BELOW.</p> <p style="padding-left: 20px;">(2) IF ALL FOUR RED LEDs FLASH IN A 1.6-SECOND CYCLE, REPLACE THE LCM (AMM 38-33-03/201).</p> <p>F. DISCONNECT CABLE J4 SHIPS I/O FROM THE LCM.</p> <p>G. CONNECT A JUMPER FROM PIN 1 TO PIN 2 OF CABLE J4.</p> <p style="padding-left: 20px;">(1) IF THE TOILETS OPERATE CORRECTLY, REPLACE THE LCM (AMM 38-33-03/201).</p> <p style="padding-left: 20px;">(2) IF THE TOILETS DO NOT OPERATE CORRECTLY, MAKE SURE THE PIN 1 OF CABLE J4 HAS 28V DC. MAKE SURE THAT THE AIRPLANE WIRING AND THE FLUSH CONTROLLERS ON THE TOILETS OPERATE CORRECTLY.</p> <p>H. REMOVE THE JUMPER FROM CONNECTOR AND CONNECT CABLE J4 SHIPS I/O TO THE LCM.</p> <p>A. MAKE SURE THE WASTE TANK IS EMPTY (AMM 12-17-01/301).</p> <p>B. MAKE SURE THE VACUUM BLOWERS FOR THE WASTE TANKS ARE OFF.</p> <p>C. MAKE SURE THE GREEN LED ON THE LCM IS ON.</p> <p style="padding-left: 20px;">(1) IF THE GREEN LED IS OFF OR FLASHES, DO A CHECK OF THE LISTED CIRCUIT BREAKERS AND POWER CIRCUITS IN THE AIRPLANE.</p> <p>D. PUSH THE SWITCH ON THE LCM TO THE TEST SENSORS POSITION.</p> <p style="padding-left: 20px;">(1) IF ALL FOUR RED LEDs GO ON FOR 3 SECONDS, RELEASE THE SWITCH AND DO LED TROUBLESHOOTING BELOW.</p> <p style="padding-left: 20px;">(2) IF ALL FOUR RED LEDs ARE NOT ON FOR 3 SECONDS, REPLACE THE LCM (AMM 38-33-03/201).</p>

LEVEL SENSING SYSTEM TROUBLESHOOTING
TABLE A

Level Sensing System Troubleshooting – Rosemount LCM
Figure 110 (Sheet 2)

EFFECTIVITY

ALL

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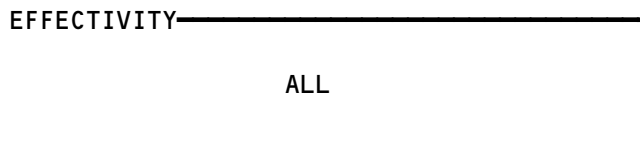
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BOEING
 767
 FAULT ISOLATION/MAINT MANUAL

FAULT SYMPTOM	CORRECTIVE ACTION
SYMPTOM C LIGHTS ON THE ATTENDANT AND/OR SERVICE PANELS FLASH (CONT)	(3) IF ALL FOUR RED LEDs BLINK IN A 1.6-SECOND CYCLE, REPLACE THE LCM (AMM 38-33-03/201). (4) IF THE PROBLEM CONTINUES AFTER YOU REPLACE THE LCM, DO A CHECK OF THE 28V DC WIRING ON THE AIRPLANE. E. DISCONNECT CABLE J4 SHIPS I/O FROM THE LCM. F. CONNECT A VOLTMETER FROM PIN 6 TO PIN 7 ON CABLE J4. G. MAKE SURE THE VOLTAGE MEASURES 28V DC. (1) IF THE VOLTAGE IS BELOW 20V DC OR CYCLES BELOW 20V DC, DO A CHECK OF THE LISTED CIRCUIT BREAKERS AND POWER CIRCUITS IN THE AIRPLANE. H. CONNECT CABLE J4 SHIPS I/O TO THE LCM. I. DISCONNECT CABLE J1, J2, AND J3 ONE AT A TIME TO SEE IF THE CLS OR ONE OF THE POINT LEVEL SENSORS DOES NOT OPERATE CORRECTLY. J. LOOK AT THE LIGHT ON THE ATTENDANT PANEL OR SERVICE PANEL. (1) IF THE LIGHT THAT FLASHES GOES OFF AFTER CABLE J1 IS DISCONNECTED, REPLACE THE POINT LEVEL SENSOR CONNECTED TO CABLE J1 (AMM 38-33-01/401). (2) IF THE LIGHT THAT FLASHES GOES OFF AFTER CABLE J2 IS DISCONNECTED, REPLACE THE POINT LEVEL SENSOR CONNECTED TO CABLE J2 (AMM 38-33-01/401). (3) IF THE LIGHT THAT FLASHES GOES OFF AFTER CABLE J3 IS DISCONNECTED, REPLACE THE CLS (AMM 38-33-02/401). (4) IF THE LIGHT THAT FLASHES DOES NOT GO OFF AFTER YOU DISCONNECT THE THREE CABLES, REPLACE THE LCM (AMM 38-33-03/201). K. MAKE SURE THAT CABLES J1, J2, AND J3 ARE CONNECTED TO THE LCM AGAIN.
SYMPTOM D INACCURATE WASTE QUANTITY INDICATOR	A. MAKE SURE THE WASTE TANK IS EMPTY (AMM 12-17-01/301). B. MAKE SURE THE VACUUM BLOWERS FOR THE WASTE TANKS ARE OFF. C. DO THE AUTO-ZERO PROCEDURE (AMM 38-33-00/501). (1) IF THE QUANTITY INDICATOR IS NOT CORRECT AFTER YOU DO THE AUTO-ZERO PROCEDURE, REPLACE THE LCM (AMM 38-33-03/201). D. IF THE PROBLEM CONTINUES AFTER YOU REPLACE THE LCM REPLACE THE CLS (AMM 38-33-02/401).

LEVEL SENSING SYSTEM TROUBLESHOOTING
 TABLE A

Level Sensing System Troubleshooting - Rosemount LCM
 Figure 110 (Sheet 3)



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 **BOEING**
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FAULT ISOLATION/MAINT MANUAL

LCM LED	INDICATION	TROUBLESHOOTING PROCEDURE
SENSOR J1 ON OR SENSOR J2 ON	J1 PLS SHOWS FULL J2 PLS SHOWS FULL	<p>A. MAKE SURE THE WASTE TANK IS DRAINED (AMM 12-17-01/301).</p> <p>B. MAKE SURE CABLE J1 AND J2 ARE CONNECTED TO THE LCM.</p> <p>C. IF SENSOR J1 LED AND J2 LED ARE OFF, DO THESE STEPS:</p> <ol style="list-style-type: none"> (1) DISCONNECT CABLE J1 AND J2 FROM THE LCM. (2) CONNECT CABLE J1 TO CONNECTOR J2 OF THE LCM. (3) CONNECT CABLE J2 TO CONNECTOR J1 OF THE LCM. (4) WAIT 20 SECONDS. <ol style="list-style-type: none"> (a) IF THE SENSOR J1 LED IS ON AND THE SENSOR J1 LED WAS ON BEFORE YOU CONNECTED THE CABLES, REPLACE THE LCM (AMM 38-33-03/201). (b) IF THE SENSOR J1 LED IS ON AND THE SENSOR J2 LED WAS ON BEFORE YOU CONNECTED THE CABLES: <ol style="list-style-type: none"> 1) CLEAN THE PLS THAT IS NOW CONNECTED TO LCM CONNECTOR J1 (AMM 38-33-01/701). 2) WAIT 20 SECONDS. 3) IF THE SENSOR J1 LED IS STILL ON, REPLACE THE PLS THAT IS CONNECTED TO LCM, CONNECTOR J1 (AMM 38-33-01/401). 4) MAKE SURE THAT CABLE J2 IS NOT DAMAGED OR BROKEN. (c) IF THE SENSOR J2 LED IS ON AND THE SENSOR J2 LED WAS ON BEFORE YOU CONNECTED THE CABLES, REPLACE THE LCM (AMM 38-33-03/201). (d) IF THE SENSOR J2 LED IS ON AND THE SENSOR J1 LED WAS ON BEFORE YOU RECONNECTED THE CABLES: <ol style="list-style-type: none"> 1) CLEAN THE PLS THAT IS NOW CONNECTED TO LCM, CONNECTOR J2 (AMM 38-33-01/701). 2) WAIT 20 SECONDS. 3) IF THE SENSOR J2 LED IS STILL ON, REPLACE THE PLS THAT IS CONNECTED TO LCM, CONNECTOR J2 (AMM 38-33-01/401). 4) MAKE SURE THAT CABLE J1 IS NOT DAMAGED OR BROKEN. (e) CONNECT CABLE J1 TO CONNECTOR J1 OF THE LCM AND CONNECT CABLE J2 TO CONNECTOR J2 OF THE LCM. <p>D. IF SENSOR J1 LED AND SENSOR J2 LED ARE ON, DO THESE STEPS:</p> <ol style="list-style-type: none"> (1) CLEAN THE TWO PLS (AMM 38-33-01/701) AND DO A VISUAL INSPECTION FOR DAMAGE. (2) IF DAMAGED, REPLACE THE PLS; IF NOT DAMAGED, INSTALL THE USED PLS (AMM 38-33-01/401). (3) WAIT 20 SECONDS. (4) IF THE LEDS STAY ON, MAKE SURE THE CABLES FOR J1 AND J2 ARE NOT DAMAGED. (5) REPLACE ANY CABLE THAT HAS DAMAGE. (6) WAIT 20 SECONDS. (7) IF THE LEDS STAY ON, REPLACE THE LCM (AMM 38-33-03/201). (8) IF ONLY ONE J1 OR J2 LED STAYS ON, DO THE STEPS THAT FOLLOW C.

LED TROUBLESHOOTING
TABLE B

Level Sensing System Troubleshooting – Rosemount LCM
Figure 110 (Sheet 4)

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BOEING
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 FAULT ISOLATION/MAINT MANUAL

LCM LED	INDICATION	TROUBLESHOOTING PROCEDURE
SENSOR J1 FLASHES OR SENSOR J2 FLASHES	J1 PLS FAILED BITE OR FOULED J2 PLS FAILED BITE OR FOULED	A. LOOK AT THE SENSOR FOULED INDICATOR AT THE SERVICE PANEL. (1) IF THE SENSOR FOULED INDICATOR IS ON AND SENSOR J1 LED FLASHES, CLEAN THE PLS CONNECTED TO CABLE J1 (AMM 38-33-01/ 701). (2) IF THE SENSOR FOULED INDICATOR IS ON AND SENSOR J2 LED FLASHES, CLEAN THE PLS CONNECTED TO CABLE J2 (AMM 38-33-01/701). B. DISCONNECT THE CABLE FOR THE LED THAT FLASHES. C. PUSH THE SWITCH ON THE LCM TO THE TEST SENSORS POSITION MOMENTARILY. D. AFTER 5 SECONDS, LOOK AT THE RED LCM LEDs. (1) IF THE SENSOR J1 OR J2 LED CONTINUES TO FLASH, REPLACE THE LCM (AMM 38-33-03/201). (2) IF THE SENSOR J1 OR J2 LED IS ON CONTINUOUSLY, CONNECT THE J1 OR J2 CABLE TO THE LCM. E. PUSH THE SWITCH ON THE LCM TO THE TEST SENSORS POSITION MOMENTARILY. F. AFTER 5 SECONDS, LOOK AT THE RED LCM LEDs. (1) IF THE SENSOR J1 OR J2 LED CONTINUES TO FLASH, REPLACE THE PLS FOR THE LED THAT FLASHES (AMM 38-33-01/401). (2) IF THE SENSOR J1 OR J2 LED IS ON CONTINUOUSLY, CONNECT THE J1 OR J2 CABLE TO THE LCM AND REPEAT THE ABOVE 2 STEPS.
SENSOR J1 FLASHES OR SENSOR J2 FLASHES (CONT)		
SENSOR J3 ON OR SENSOR J3 FLASHES	CLS SHOWS FULL CLS FAILED BITE OR NOT CORRECTLY AUTO-ZEROED	A. DO THE AUTO-ZERO PROCEDURE (AMM 38-33-00/501). (1) IF THE SENSOR J3 LED STAYS ON OR FLASHES AFTER THE AUTO- ZERO, MAKE SURE THE CABLE J3 HAS CONTINUITY, THEN CONNECT THE CABLE. B. DO THE AUTO-ZERO PROCEDURE AGAIN (AMM 38-33-00/501). (1) IF SENSOR J3 LED IS ON OR FLASHES AFTER THE AUTO-ZERO, REPLACE THE CLS (AMM 38-33-02/401).
TANK FULL ON	LCM INDICATING FULL TANK	A. MAKE SURE WASTE TANK IS DRAINED (AMM 12-17-01/301). B. LOOK AT THE RED LEDs ON THE LCM AND THE SENSOR FOULED INDICATOR ON THE SERVICE PANEL. (1) IF THE SENSOR J1 LED AND J2 LED ON THE LCM ARE ON OR FLASH, AND THE SENSOR FOULED INDICATOR IS OFF, CLEAN SENSORS J1 AND J2 (AMM 38-33-01/701). (2) IF THE J1 LED AND J2 LED STAY ON, DO A VISUAL CHECK FOR DAMAGE TO THE CABLES. (3) REPLACE ANY CABLE THAT HAS DAMAGE. (4) IF THE J1 LED AND J2 LED STAY ON, REPLACE THE LCM (AMM 38-33-03/201).
TANK FULL FLASHES	INTERNAL LCM ERROR DETECTED	A. PUSH THE SWITCH ON THE LCM TO THE TEST SENSORS POSITION. B. AFTER 5 SECONDS, RELEASE THE SWITCH. C. LOOK AT THE RED LCM LEDs. (1) IF THE TANK FULL LED CONTINUES TO FLASH, REPLACE THE LCM (AMM 38-33-03/201). (2) IF THE TANK FULL LED FLASHES AFTER YOU REPLACE THE LCM, DO A CHECK OF THE SENSOR FOULED AND PRECHARGE CIRCUITS TO MAKE SURE THEY ARE NOT LOADING THE LCM. (3) DO A CHECK FOR TOO MUCH ELECTRICAL NOISE OR CYCLING ON THE 28V DC BUS.

LED TROUBLESHOOTING
TABLE B

Level Sensing System Troubleshooting – Rosemount LCM
Figure 110 (Sheet 5)

EFFECTIVITY

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THE WASTE QUANTITY INDICATOR ON THE ATTENDANT PANEL READS LOW AFTER ADDING LIQUID PRECHARGE

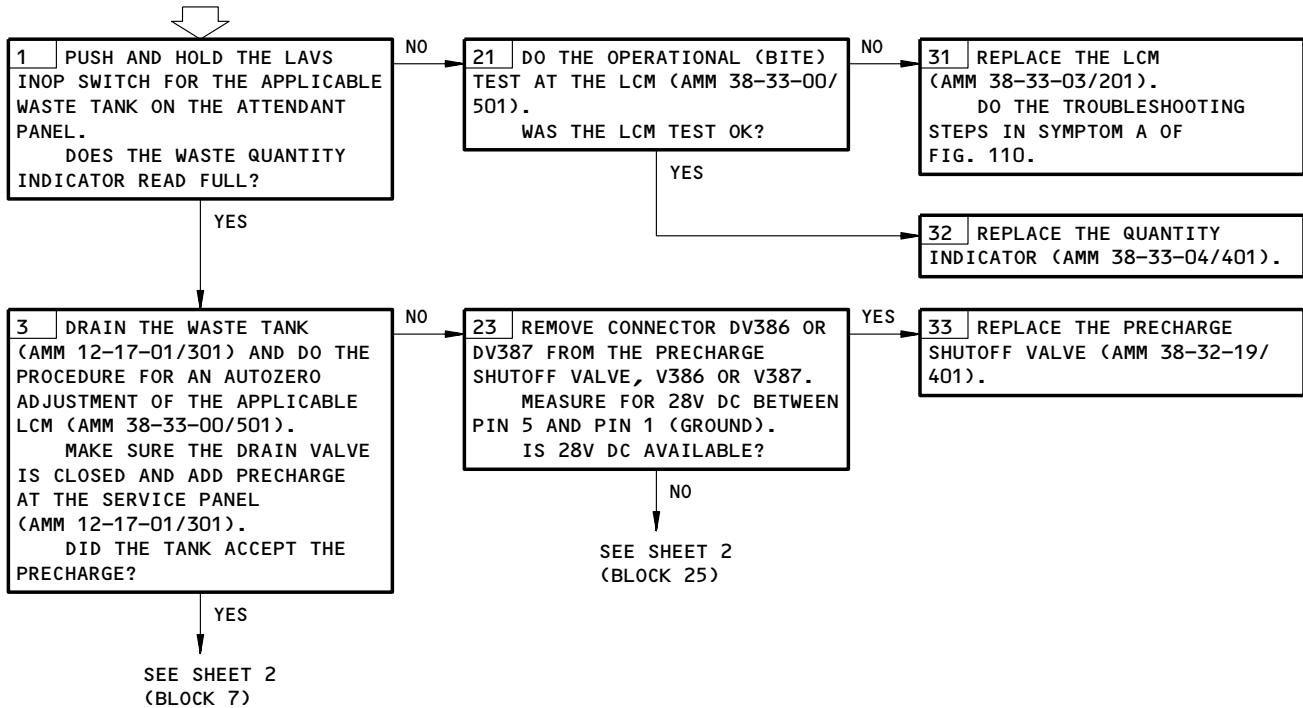
PREREQUISITES

MAKE SURE THESE CIRCUIT BREAKERS ARE CLOSED:
11R8, 11R35, 34N10, 34N11, 36F6, 36F7 OR 36G1 (VAC BLWR SYS 1); 37G7

MAKE SURE THE AIRPLANE IS IN THIS CONFIGURATION:
ELECTRICAL POWER IS ON (AMM 24-22-00/201)

NOTE: ABBREVIATIONS: CLS - CONTINUOUS LEVEL SENSOR
LCM - LOGIC CONTROL MODULE

PUSH THE TANK LEVEL INDICATOR SWITCH TO READ THE WASTE QUANTITY INDICATOR.

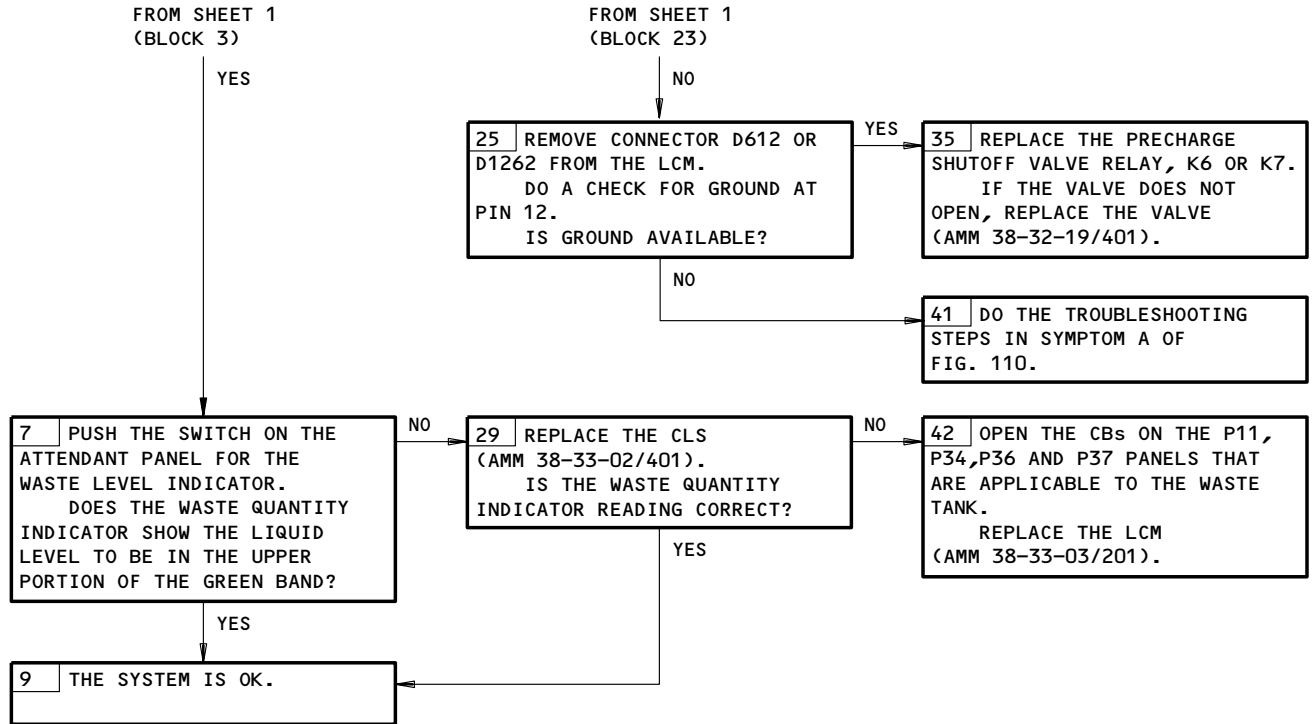


The Waste Quantity Indicator on the Attendant Panel
Reads Low After Adding Liquid Precharge
Figure 111 (Sheet 1)

EFFECTIVITY	ALL
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38-30-00

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FAULT ISOLATION/MAINT MANUAL



The Waste Quantity Indicator on the Attendant Panel
Reads Low After Adding Liquid Precharge
Figure 111 (Sheet 2)

EFFECTIVITY ————
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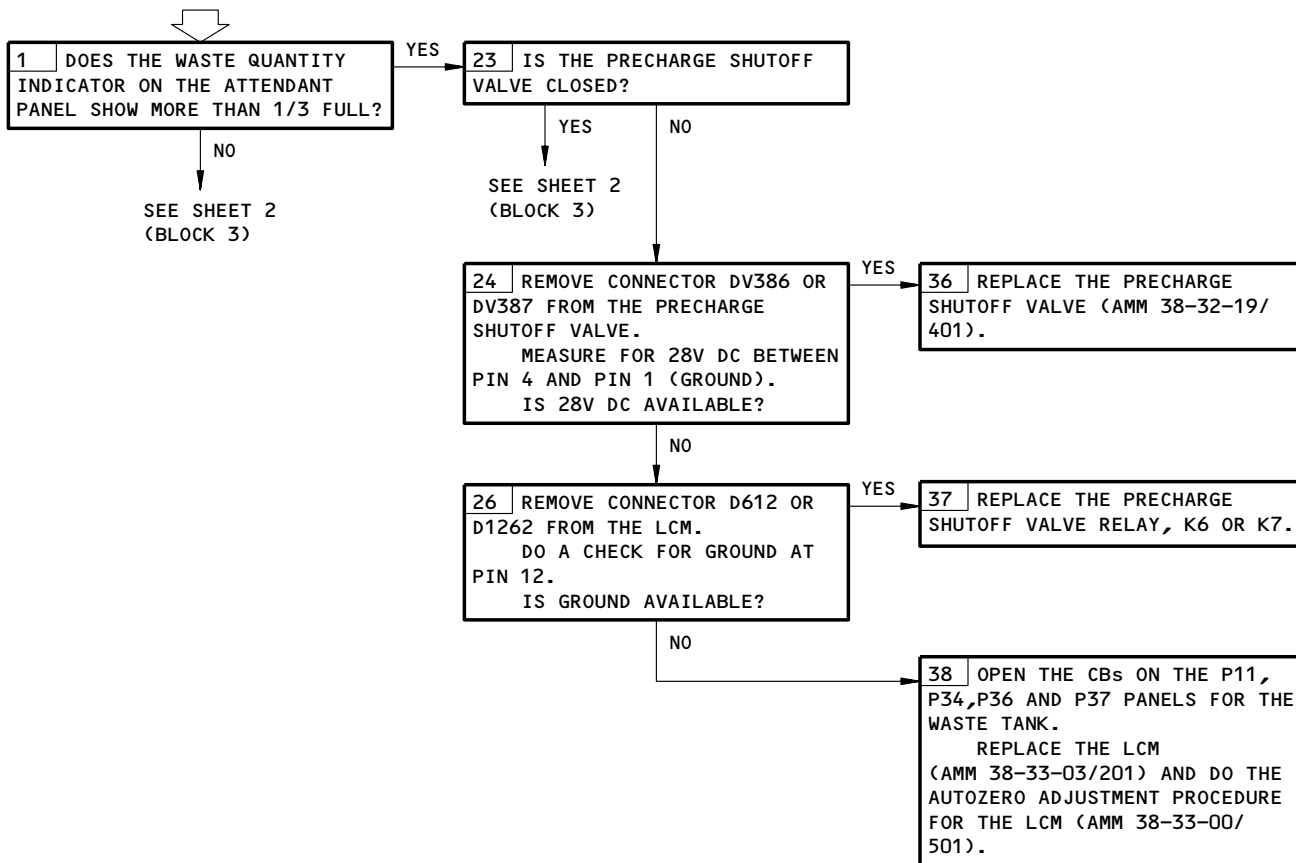
PREREQUISITES

MAKE SURE THESE CIRCUIT BREAKERS ARE CLOSED:
11R8, 11R35, 34N10, 34N11, 36F6, 36F7 OR 36G1 (VAC
BLWR SYS 1); 37G7

MAKE SURE THE AIRPLANE IS IN THIS CONFIGURATION:
ELECTRICAL POWER IS ON (AMM 24-22-00/201)
WASTE TANK DRAIN VALVES AND SERVICE PANEL DOOR
CLOSED
WASTE QUANTITY SELECT SWITCH ON THE LAVATORY
OPERATION MODULE IS SET TO THE APPLICABLE WASTE
TANK

NOTE: ABBREVIATIONS: CLS - CONTINUOUS LEVEL SENSOR
LCM - LOGIC CONTROL MODULE

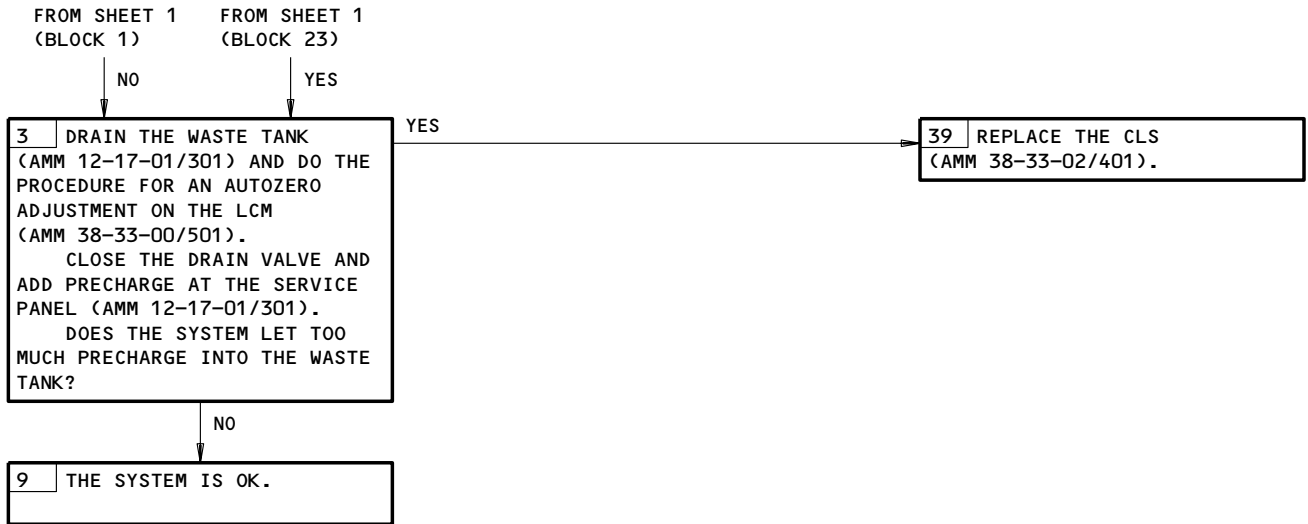
TOO MUCH PRECHARGE
WAS LET INTO THE TANK
(VALVE DID NOT CLOSE
AFTER 4-1/2 TO 8
GALLONS WERE ADDED)



Too Much Precharge Was Let into the Tank
(Valve Did Not Close After 4-1/2 to 8 Gallons Were Added)
Figure 112 (Sheet 1)

EFFECTIVITY
AIRPLANES WITH PRECHARGE CONTROL VALVES

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Too Much Precharge Was Let into the Tank
 (Valve Did Not Close After 4-1/2 to 8 Gallons Were Added)
 Figure 112 (Sheet 2)

EFFECTIVITY
 AIRPLANES WITH PRECHARGE CONTROL VALVES

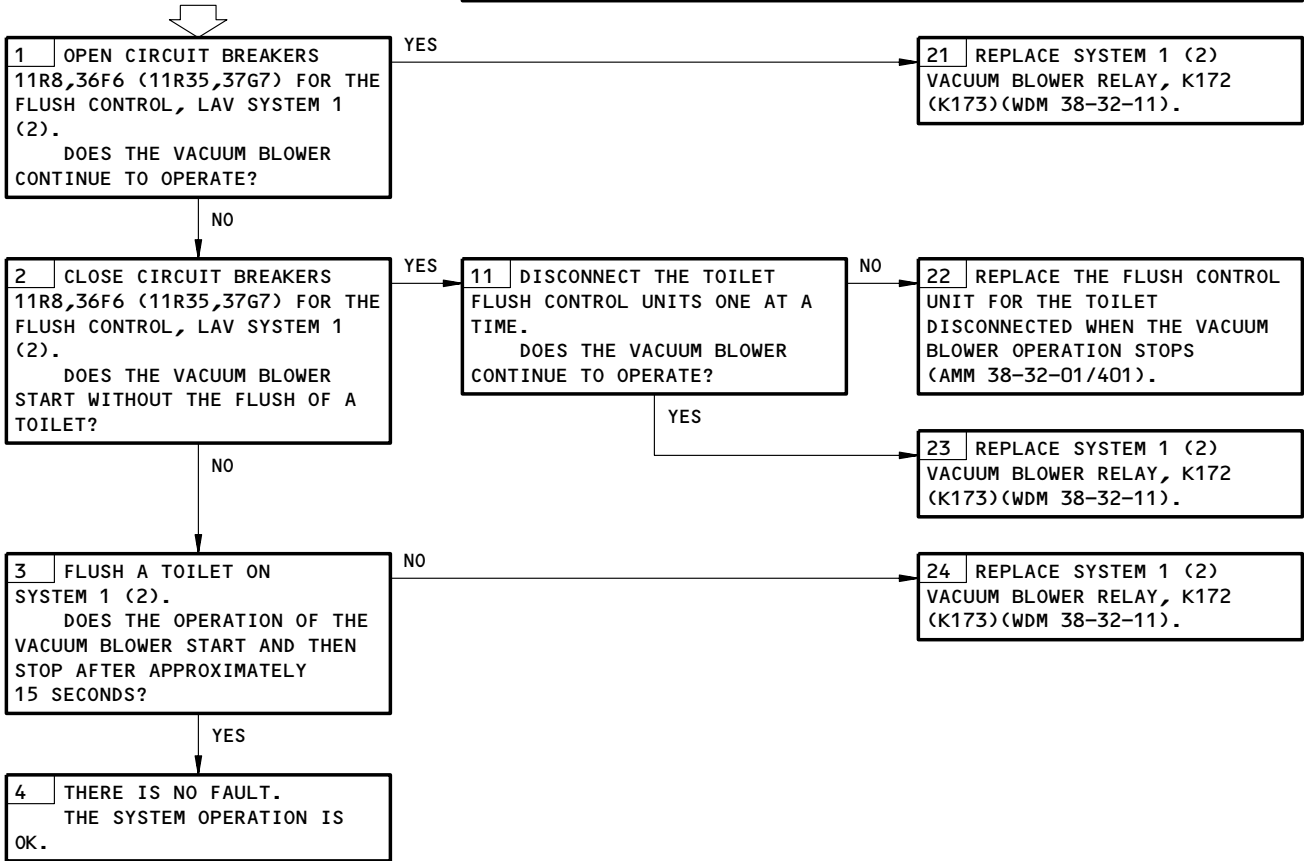
38-30-00

CONTINUOUS VACUUM BLOWER OPERATION

PREREQUISITES

MAKE SURE THESE CIRCUIT BREAKERS ARE CLOSED:
11R8, 11R35, 36F6, 36F7 OR 36G1 (VAC BLWR SYS 1);
37G7

MAKE SURE THE AIRPLANE IS IN THIS CONFIGURATION:
ELECTRICAL POWER IS ON (AMM 24-22-00/201)



Continuous Vacuum Blower Operation
Figure 113

EFFECTIVITY	ALL
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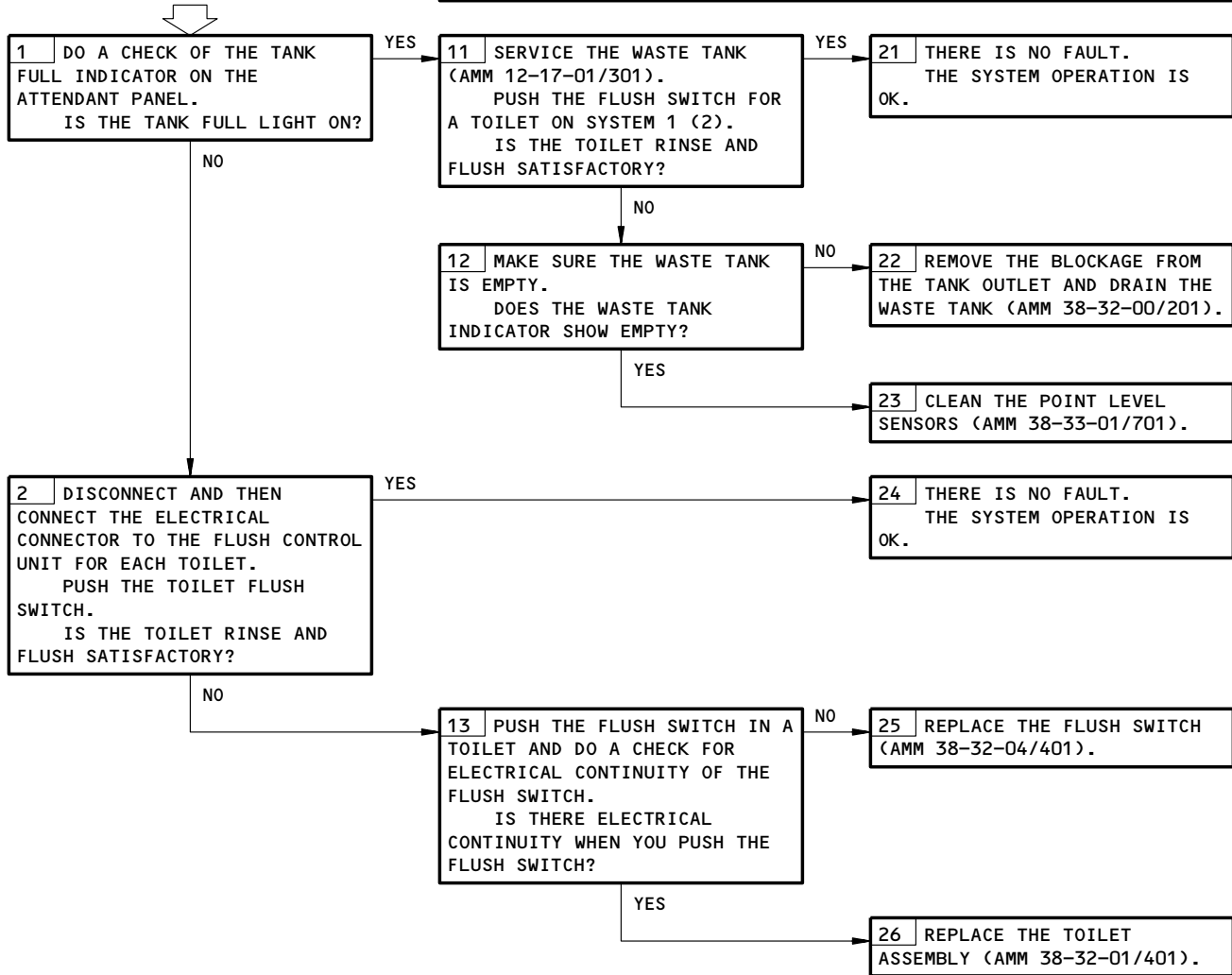
38-30-00

TOILET FAILS TO RINSE OR FLUSH

PREREQUISITES

MAKE SURE THESE CIRCUIT BREAKERS ARE CLOSED:
11R8, 11R35, 36F6, 36F7 OR 36G1 (VAC BLWR SYS 1);
37G7

MAKE SURE THE AIRPLANE IS IN THIS CONFIGURATION:
ELECTRICAL POWER IS ON (AMM 24-22-00/201)



Toilet Fails to Rinse or Flush
Figure 114

EFFECTIVITY	ALL
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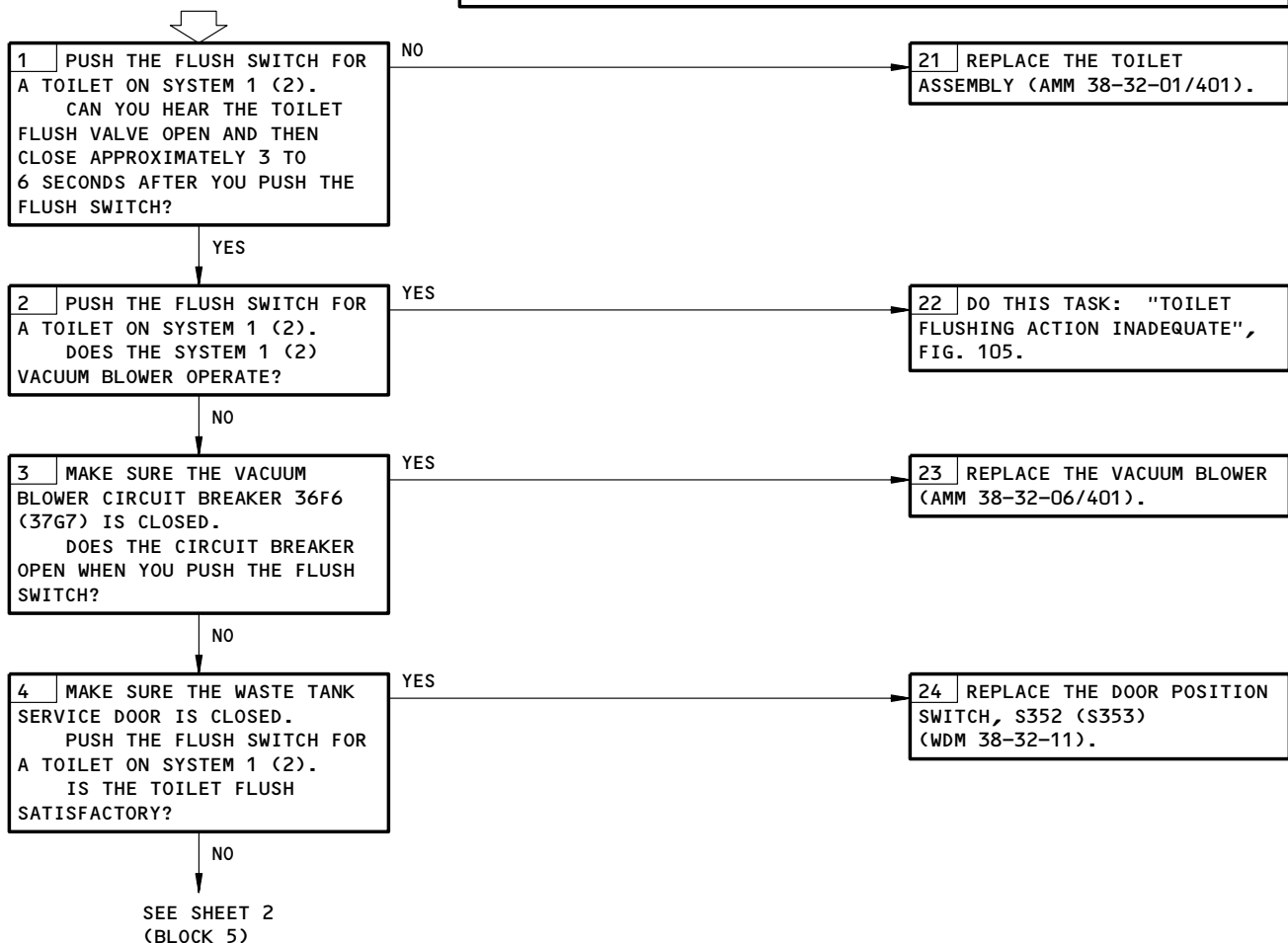
38-30-00

PREREQUISITES

MAKE SURE THESE CIRCUIT BREAKERS ARE CLOSED:
11R8, 11R35, 36F6, 36F7 OR 36G1 (VAC BLWR SYS 1);
37G7

MAKE SURE THE AIRPLANE IS IN THIS CONFIGURATION:
ELECTRICAL POWER IS ON (AMM 24-22-00/201)

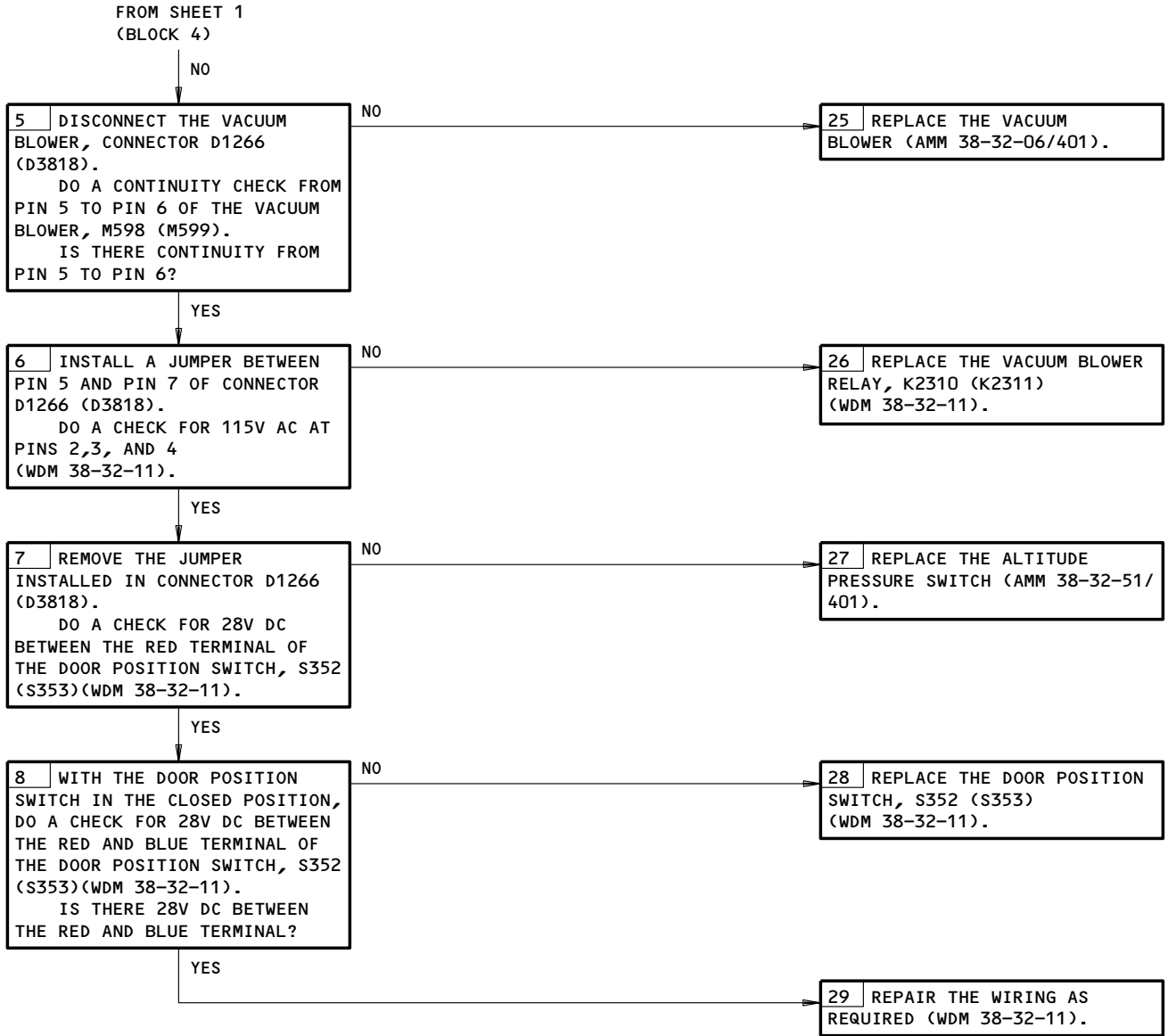
TOILET RINSES BUT FAILS TO FLUSH



Toilet Rinses but Fails to Flush
Figure 115 (Sheet 1)

EFFECTIVITY	ALL
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38-30-00



Toilet Rinses but Fails to Flush
Figure 115 (Sheet 2)

EFFECTIVITY	ALL
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38-30-00