Scandinavian Airlines System

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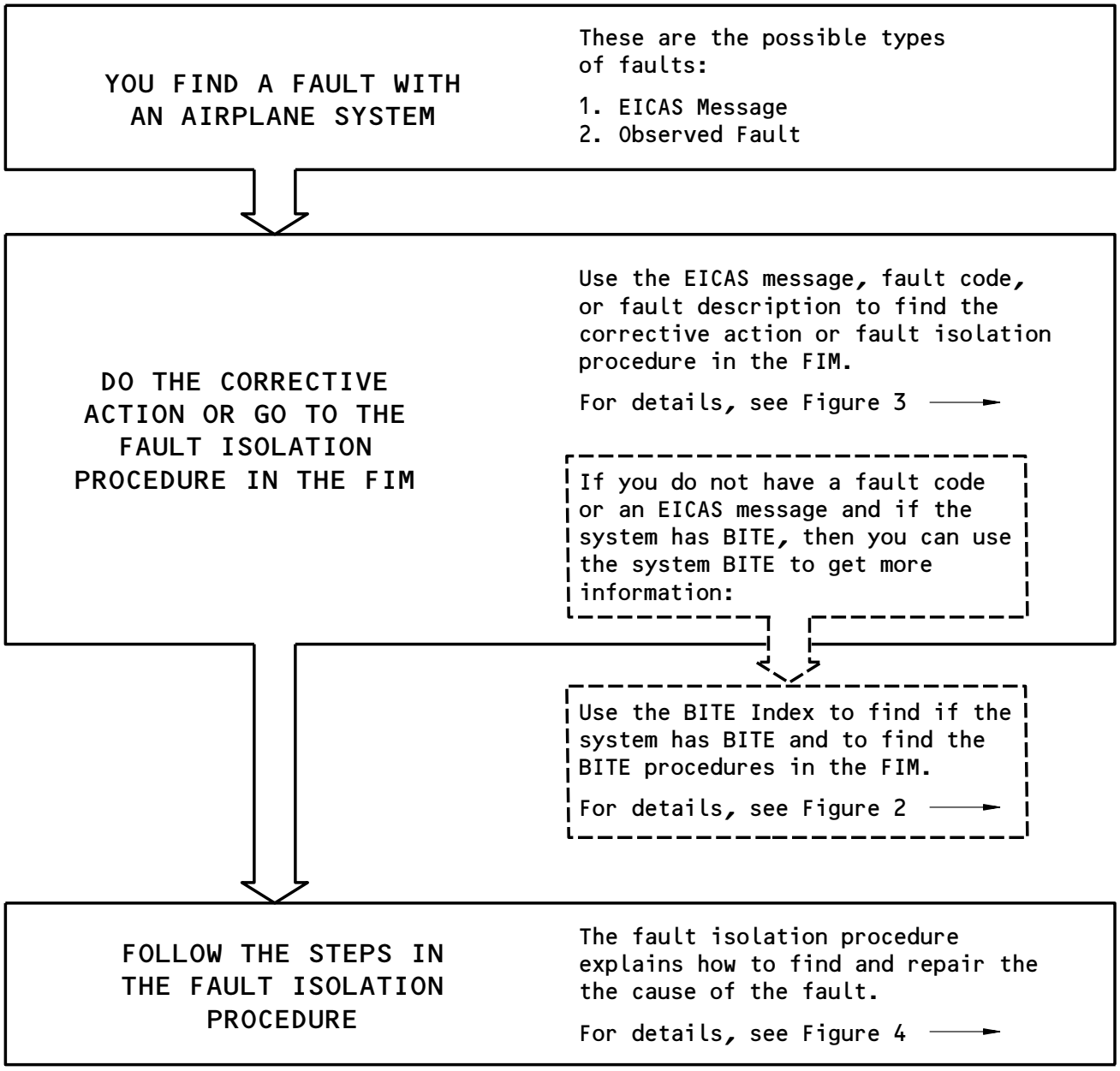

Basic Fault Isolation Process
Figure 1

K37634

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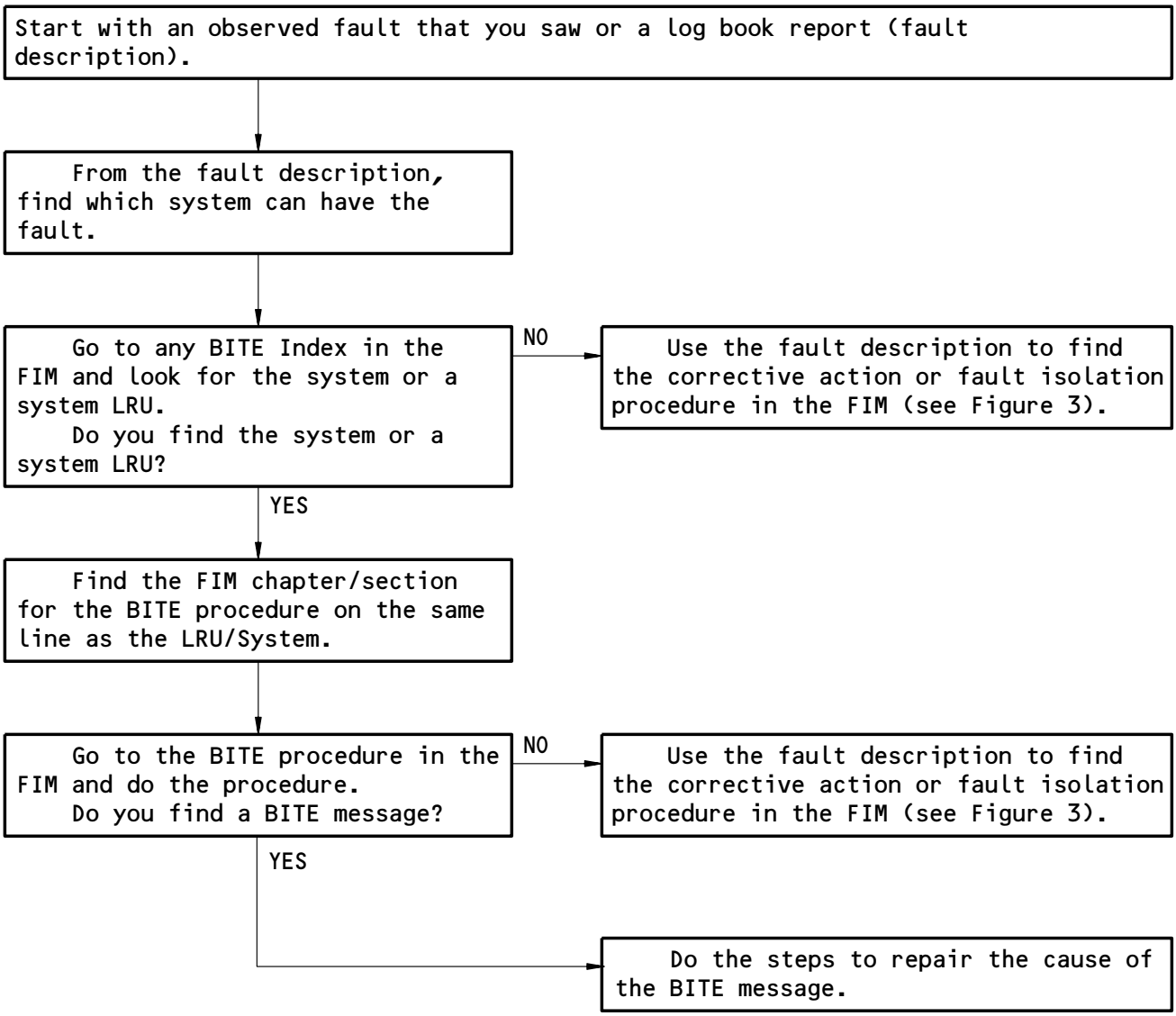

How to Get Fault Information from BITE
Figure 2

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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

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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

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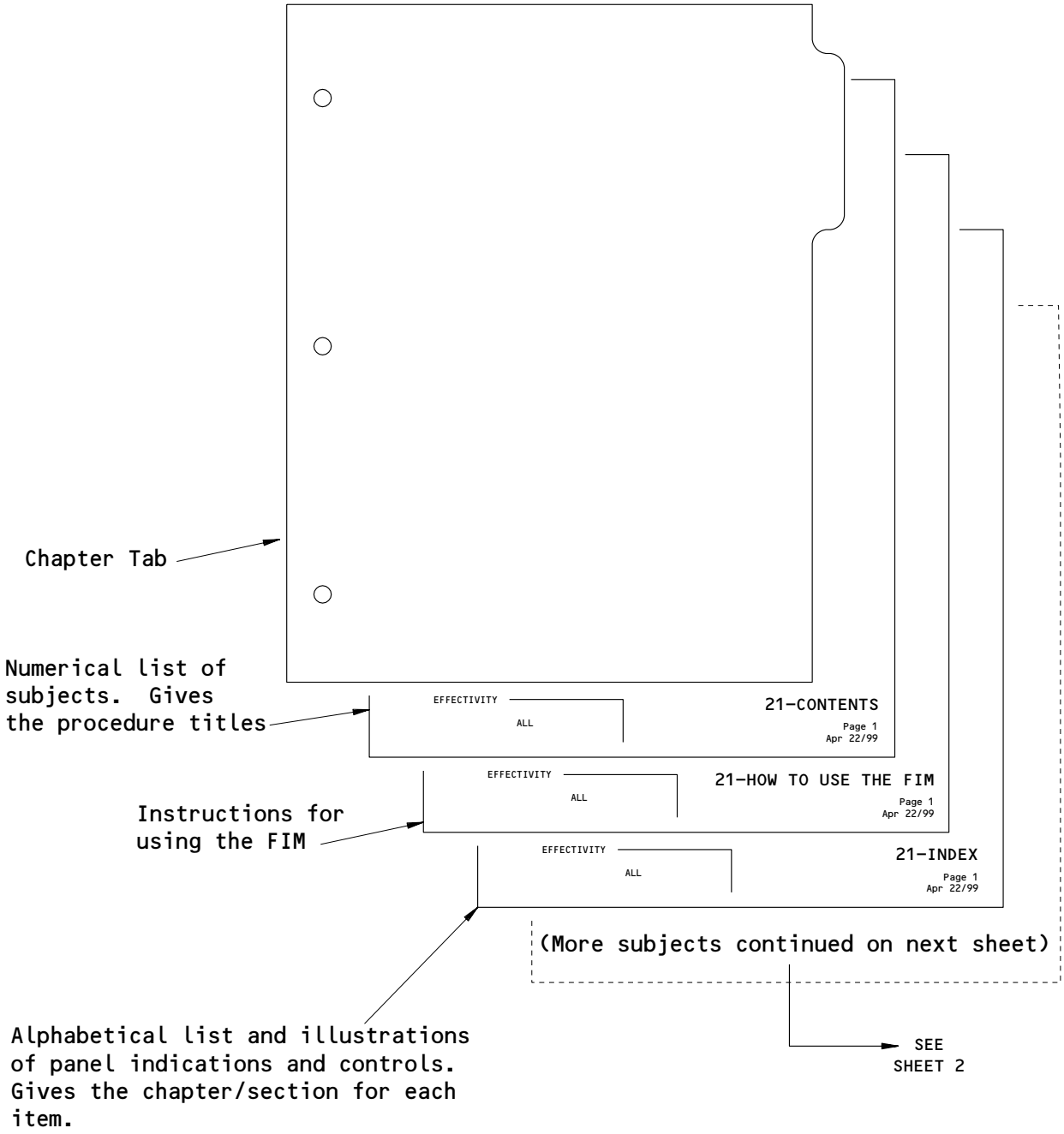

Subjects in Each FIM Chapter
Figure 5 (Sheet 1)

EFFECTIVITY
ALL

23-HOW TO USE THE FIM

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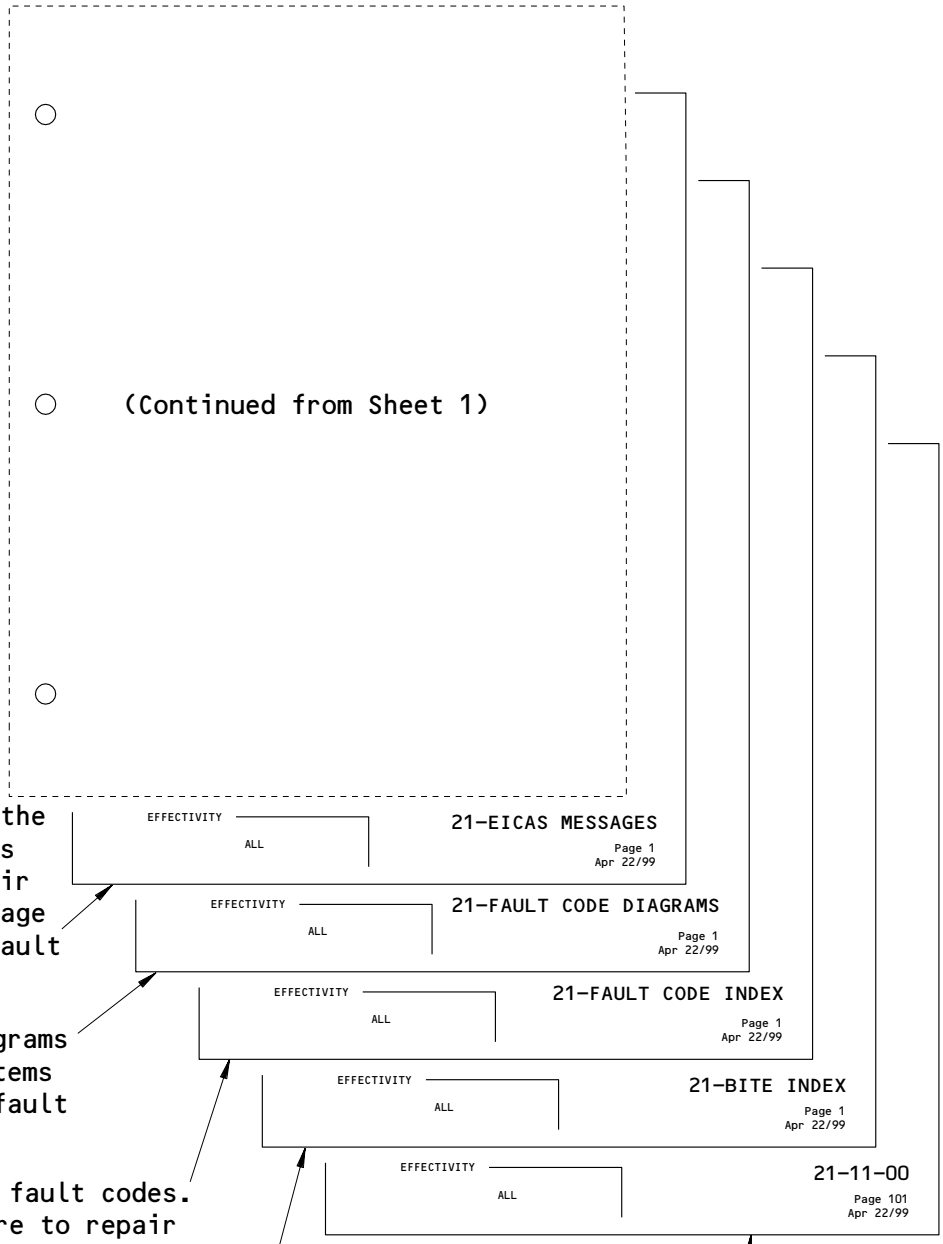

Alphabetical list of the EICAS messages. Gives the procedure to repair the cause of the message or a reference to a fault isolation procedure.

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.

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
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23-HOW TO USE THE FIM

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ATTENDANT	
CALL FROM ATTENDANT	2342
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CALL FROM PILOT	2342
CALL FROM SEATS	2334
AUDIO SELECTOR PANEL (ASP)	2351
BOARDING MUSIC	2331
CABIN	
CHIME	2342
HANDSET	2342
INTERPHONE	2342
SPEAKER	2331
COCKPIT	
CALL	2342
CHIME	2342
HANDSET	2342
HEADSET	2351
MIC	2351
SPEAKER	2351
EMERGENCY LOCATOR TRANSMITTER	2324
FLIGHT INTERPHONE	2351
GROUND CALL	2343
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PASSENGER ADDRESS	2331
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PRERECORDED ANNOUNCEMENTS	2331
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PUSH TO TALK (PTT)	2351
READING LIGHTS	2334
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SERVICE INTERPHONE	2341
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TAPE REPRODUCER	2332
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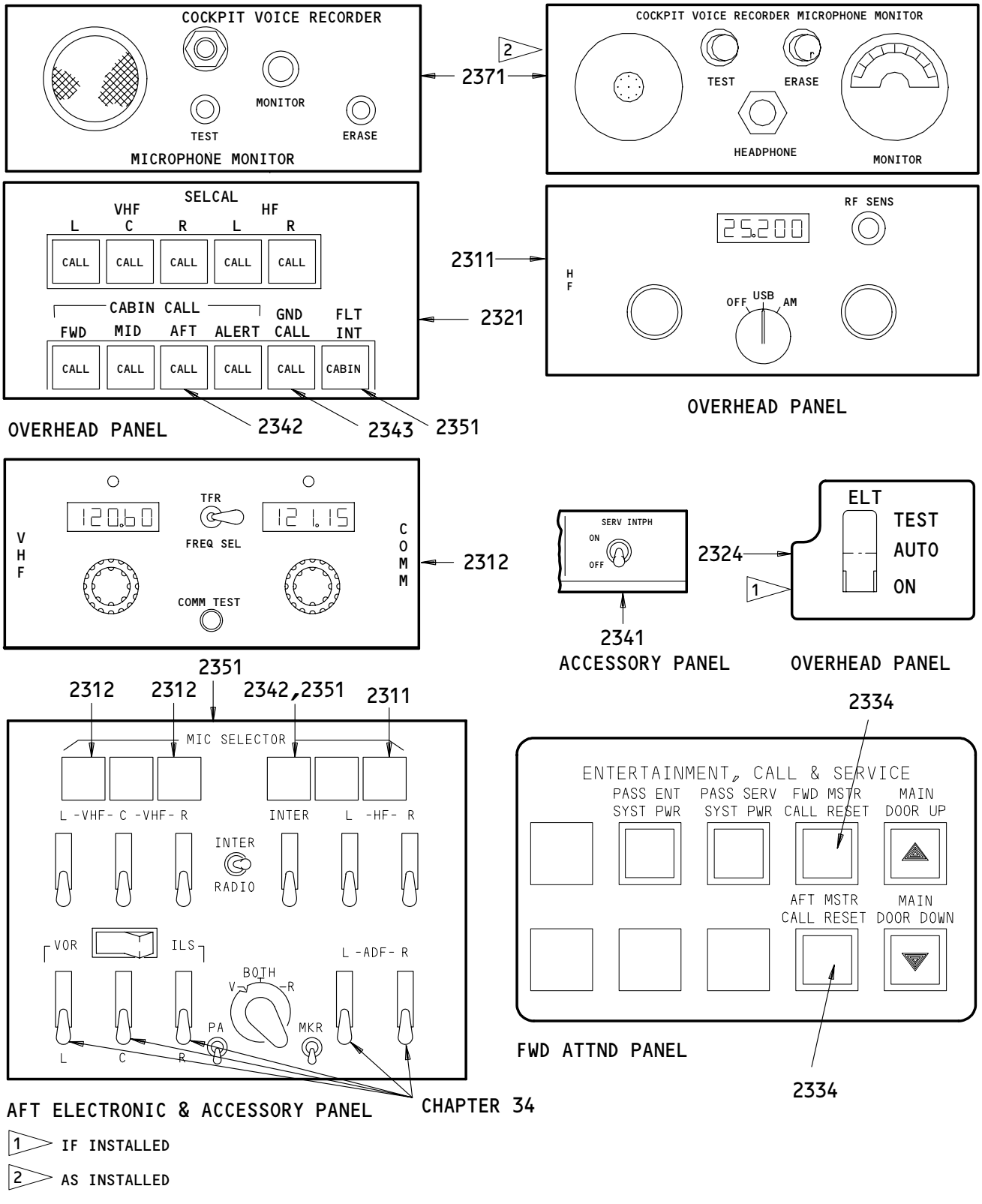

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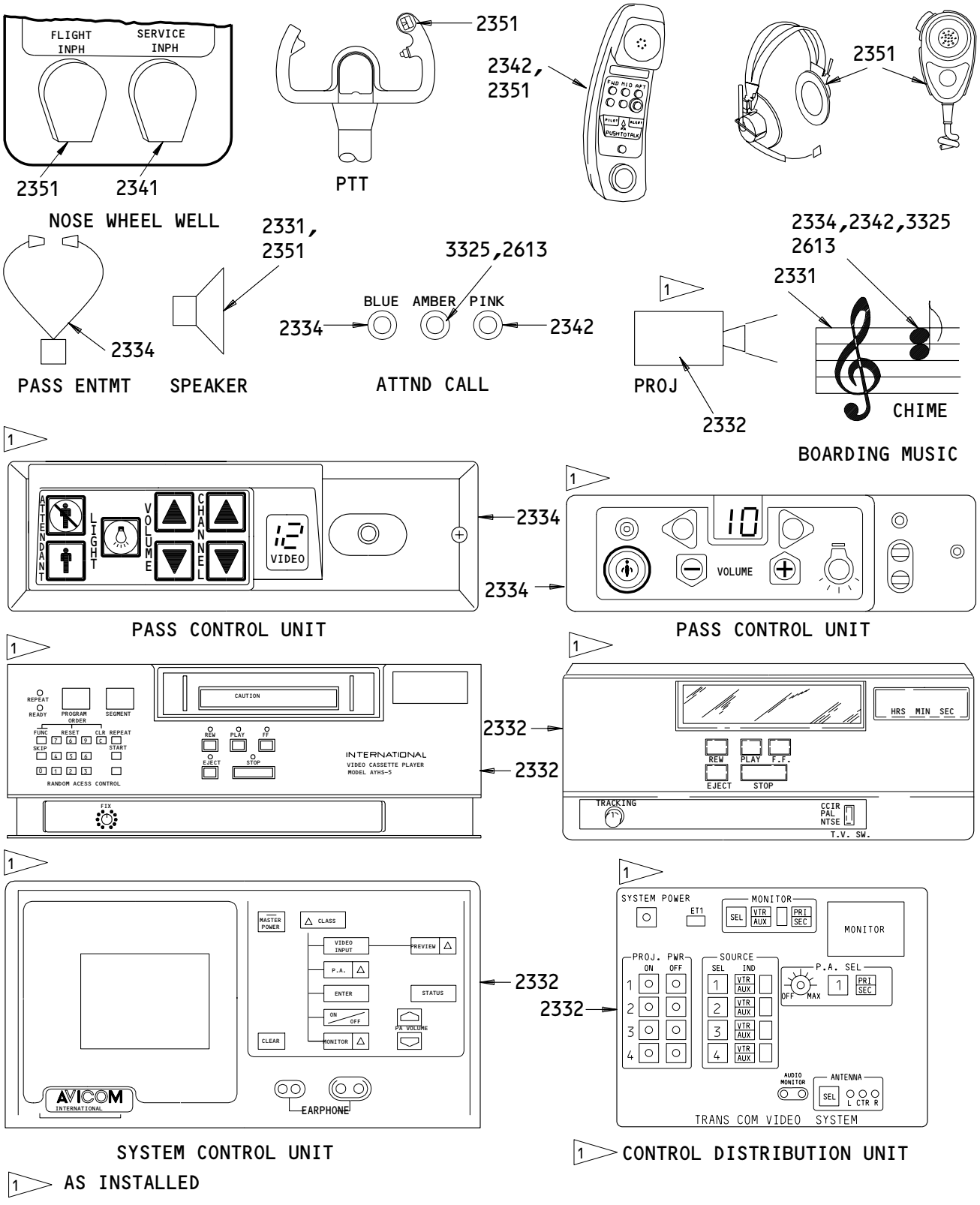

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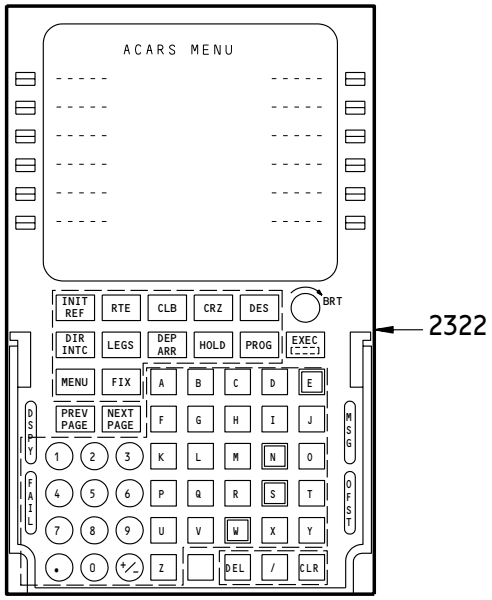
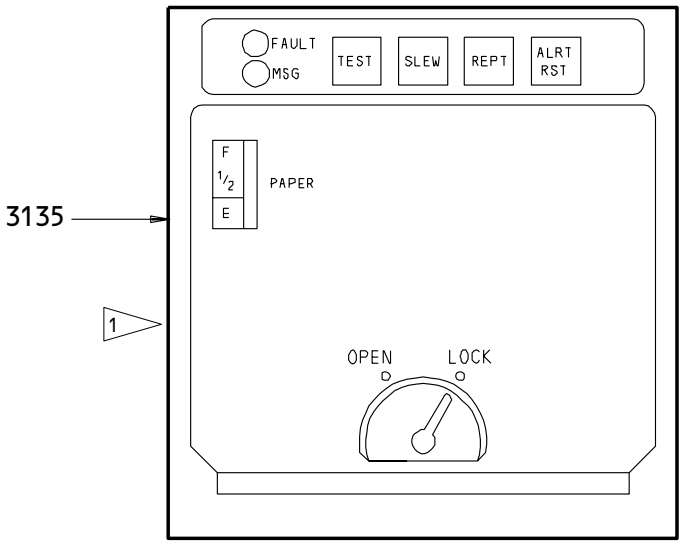
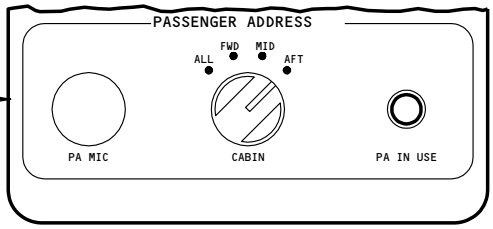


AFT ELECTRONICS PANEL



AFT ELECTRONICS PANEL



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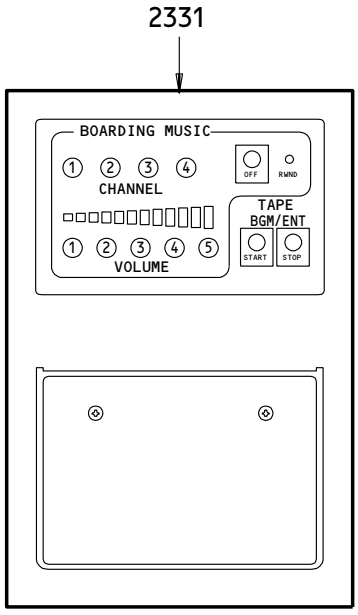

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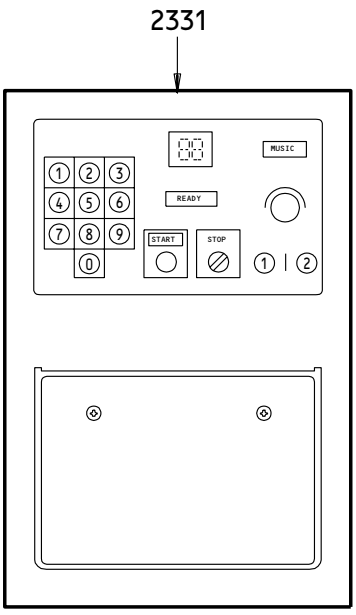

1 AS INSTALLED

COMMUNICATIONS – INDEX

EFFECTIVITY

ALL

23-INDEX

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COMMUNICATIONS - EICAS MESSAGE LIST

1. General
   A. This procedure shows the EICAS message list of procedures.
      (1) 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
            E - Communications messages (with aural chime)
            F - Communications 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

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EICAS MESSAGE LIST		
EICAS MESSAGE	LEVEL	PROCEDURE
ACARS	E	A company medium priority uplink message has been received by ACARS. This message requires crew action.
ACARS	F	A company low priority uplink message has been received by ACARS. This message requires crew action.
CABIN ALERT	E	An alert call is received over the cabin interphone. Push the ALERT switch-light on the Pilot's call panel to reset the system. AIRPLANES WITH -1001 EICAS COMPUTERS; This message can be a nuisance message. To do a check for a nuisance message, put the EICAS computer select switch to an alternative position. If the message does not show, it was a nuisance message. Open and close the circuit breakers for the EICAS computer that had the message.
CABIN CALL	E	An interphone call is received from the cabin. Push the FWD, MID or AFT switch-light on the Pilot's call panel to reset.
DATALINK AVAIL	F	ACARS Datalink is active after being in a NO COMM condition.
DATALINK LOST	C	Total loss of datalink capability due to the ACARS being in "NO COMM" condition. The "NO COMM" condition is a normal condition if the airplane is out of range of an ACARS ground station, or if the ACARS ground network is not operational. If ACARS operates correctly on other airplanes at the same location, do this fault isolation procedure: FIM 23-22--00/101, Figure 103, block 1.
DATALINK SYS	C	Total loss of datalink capability due to ACARS MU Failure (FIM 23-22-00/101).
ELT ON	C	Emergency locator transmitter (ELT) is on. Reset with switch on pilots call panel (FIM 23-24-00/101).

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EICAS MESSAGE LIST		
EICAS MESSAGE	LEVEL	PROCEDURE
GROUND CALL	E	An interphone call is received from the nose landing gear. EICAS message goes off after 30 seconds.
HF DATALINK	C	Total failure of L and R data function. This message inhibited by DATALINK SYS.
PRINTER	E, F	A message is available on the printer.
RADIO TRANSMIT	C	HF or VHF communication system in continuous transmit mode. Do a check of the PTT switches and PTT wiring (FIM 23-12-00/101, Fig. 103). AIRPLANES WITH -1001 EICAS COMPUTERS; This message can be a nuisance message. To do a check for a nuisance message, put the EICAS computer select switch to an alternative position. If the message does not show, it was a nuisance message. Open and close the circuit breakers for the EICAS computer that had the message.
SATCOM	C	Loss of both satellite voice and data capability due to SATCOM system failure (FIM 23-25-00/101)
SATCOM DATA	S,M	Interface failure between ACARS and SATCOM (FIM 23-22-00/101 and FIM 23-25-00/101).
SATCOM DATALINK	C	Interface failure between ACARS and SATCOM (FIM 23-22-00/101 and FIM 23-25-00/101).
SATCOM HIGH GAIN	S,M	SATCOM high gain or intermediate gain antenna subsystem failure (FIM 23-25-00/101).
SATCOM LOW GAIN	S,M	SATCOM low gain antenna subsystem failure (FIM 23-25-00/101)
SATCOM MESSAGE	E	A failure or status message for an air-to-ground call is displayed on the SATCOM Main Menu page (on the CDU). (FIM 23-25-00/101).

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EICAS MESSAGE LIST		
EICAS MESSAGE	LEVEL	PROCEDURE
SATCOM VOICE	C	Total loss of voice capability due to equipment failure (FIM 23-25-00/101).
L SATCOM VOICE	C	
R SATCOM VOICE	C	
SATVOICE AVAIL	F	Satellite voice communication is re-established after a log-off or temporary use of the low gain system. No fault isolation is necessary.
SATVOICE LOST	C	The SATCOM system lost the voice link capability temporarily, due to SATCOM log-off or temporary revision to the low gain antenna. No fault isolation is necessary.
SELCAL	E	A call has been received on VHF, HF or SATCOM. Push the switch-light on the Pilot's call panel to reset, or select the appropriate microphone transmitter on the ACP, and push the PTT switch. AIRPLANES WITH -1001 EICAS COMPUTERS; This message can be a nuisance message. To do a check for a nuisance message, put the EICAS computer select switch to an alter-native position. If the message does not show, it was a nuisance message. Open and close the circuit breakers for the EICAS computer that had the message.
VHF DATA OFF	F	VHF radio is selected to voice rather than data mode and ACARS can not communicate via VHF.

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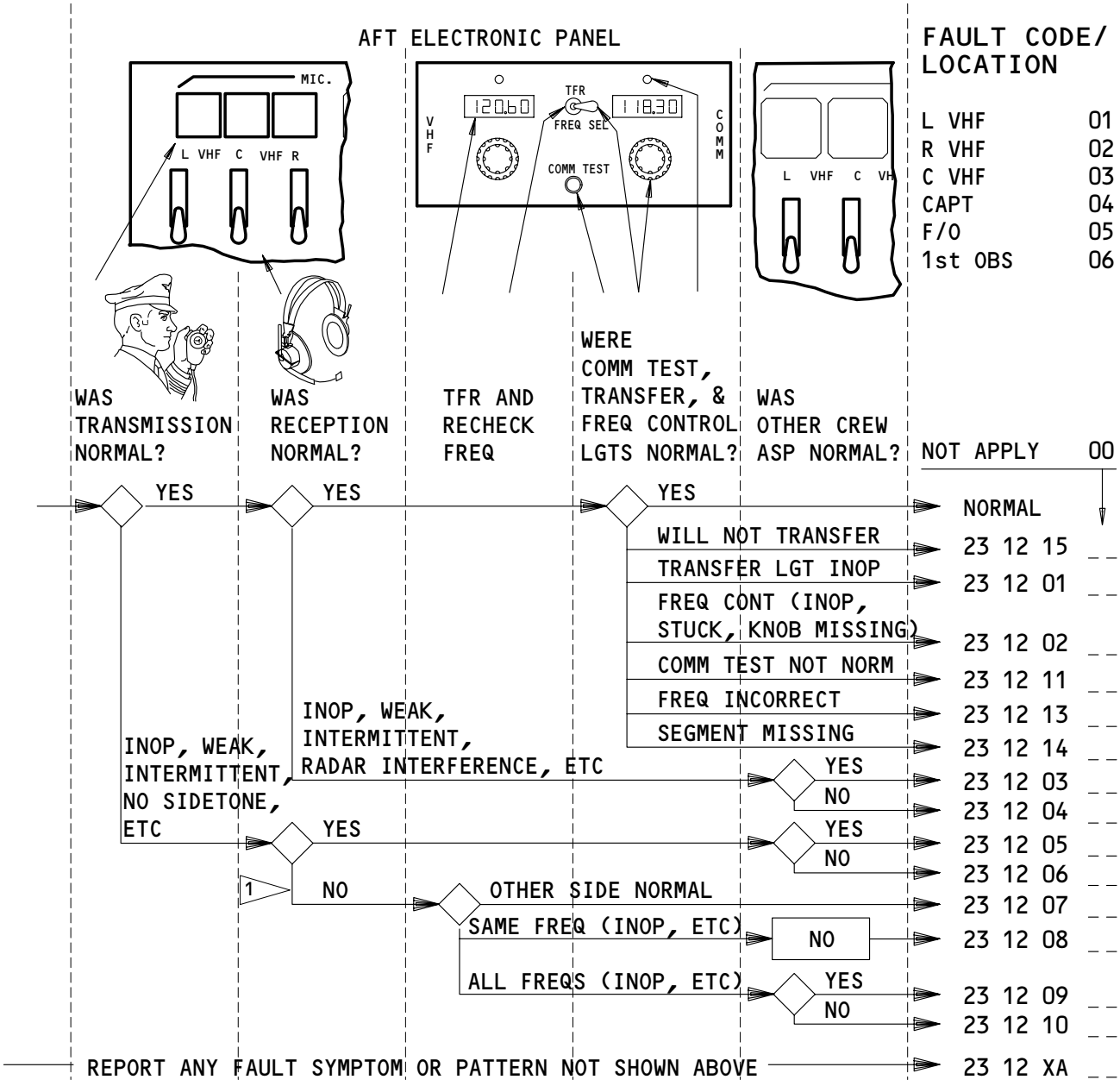

1 LOSS OF R VHF ON GROUND COULD BE NORMAL RESULT OF ANTENNA POSITION. IF AUDIO SELECTOR PANEL OR MIC IS FAULTY, SEE "ASP, COCKPIT MIC, HEADSET, HANDSET, SPEAKER" FAULT CODES.

APPLICABLE CIRCUIT BREAKERS

11C3	VHF COMM L	11G4	VHF COMM CTR	11G31	VHF COMM R
11C25	CAPT/OBS FLT AMPL	11G29	CAPT/OBS FLT AMPL		
11C26	F/O	11G30	F/O		

VHF COMM - FAULT CODES

EFFECTIVITY

ALL

23-FAULT CODE DIAGRAM

604355

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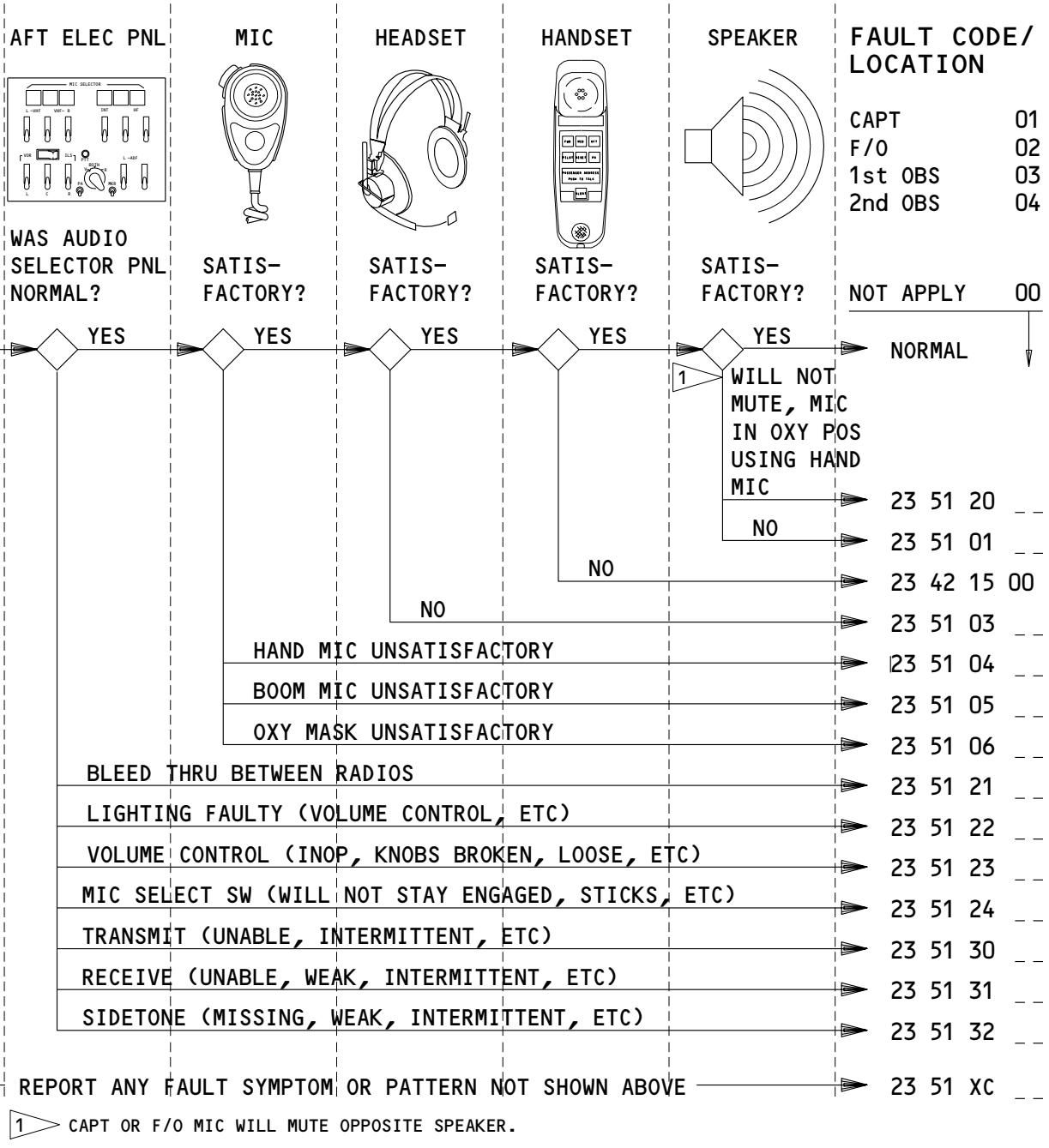

APPLICABLE CIRCUIT BREAKERS AS INSTALLED

11C25	CAPT/OBS (FLT AMPL) OR CAPT (SUP-NUM) FLT AMPL DUAL PWR	11G29	CAPT/OBS (FLT AMPL) OR CAPT (SUP-NUM) FLT AMPL DUAL PWR
11C26	F/O (OBS DUAL PWR)	11G30	F/O (OBS DUAL PWR)

ASP, COCKPIT MIC, HEADSET, HANDSET, SPEAKER - FAULT CODES

EFFECTIVITY
ALL

23-FAULT CODE DIAGRAM

171927

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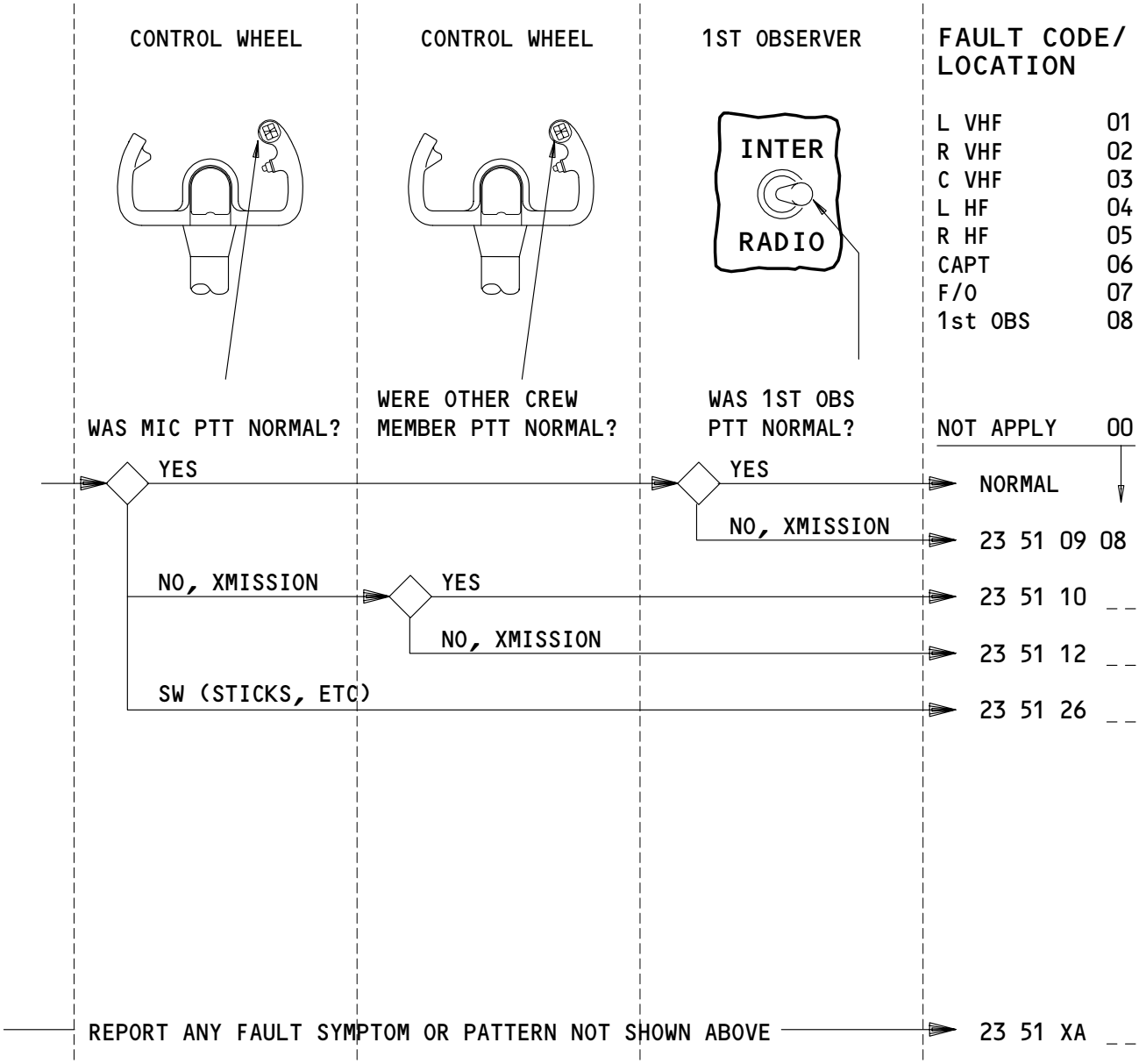

APPLICABLE CIRCUIT BREAKERS

11C3	VHF COMM L	11G29	CAPT/OBS FLT AMPL
11C25	CAPT/OBS FLT AMPL	11G30	F/O
11C26	F/O	11G31	VHF COMM R
11G4	VHF COMM CTR	11G33	RIGHT HF COMM
11G8	LEFT HF COMM		

PUSH TO TALK (PTT) – FAULT CODES

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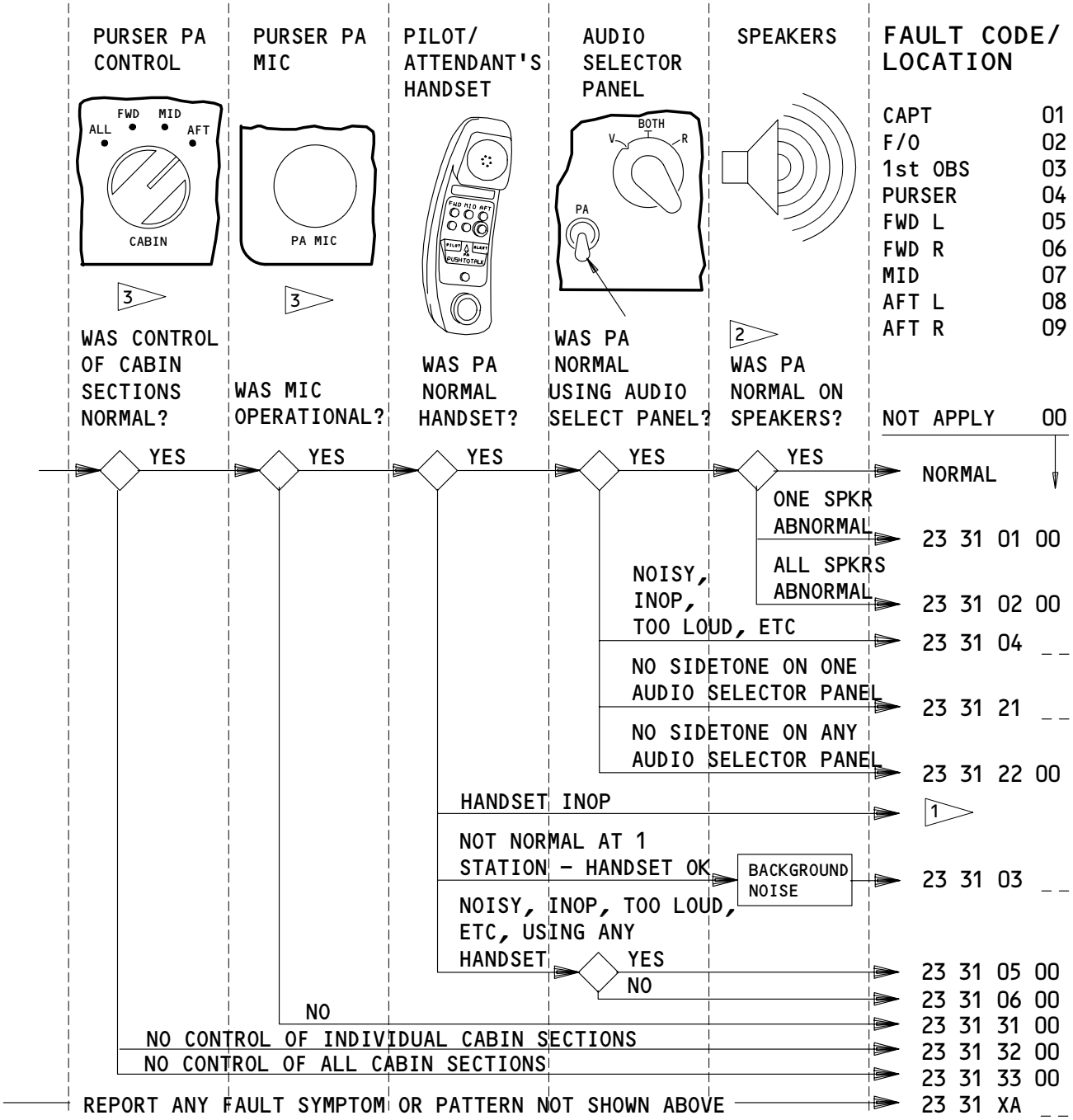

1 IF ONE HANDSET INOP, SEE "CABIN HANDSETS AND SPEAKERS" OR "ASP, COCKPIT MIC, HEADSET, HANDSET, SPEAKER" FAULT CODES.

2 IF ONE SPEAKER INOP, SEE "CABIN HANDSETS AND SPEAKERS".

3 IF INSTALLED

APPLICABLE CIRCUIT BREAKERS

11C22	PASS ADRS	11C26	F/O	11G29	CAPT/OBS FLT AMPL
11C23	CABIN SERVICE	11C25	CAPT/OBS FLT AMPL	11G30	F/O

PASSENGER ADDRESS SYSTEM - FAULT CODES

EFFECTIVITY

ALL

23-FAULT CODE DIAGRAM

589891

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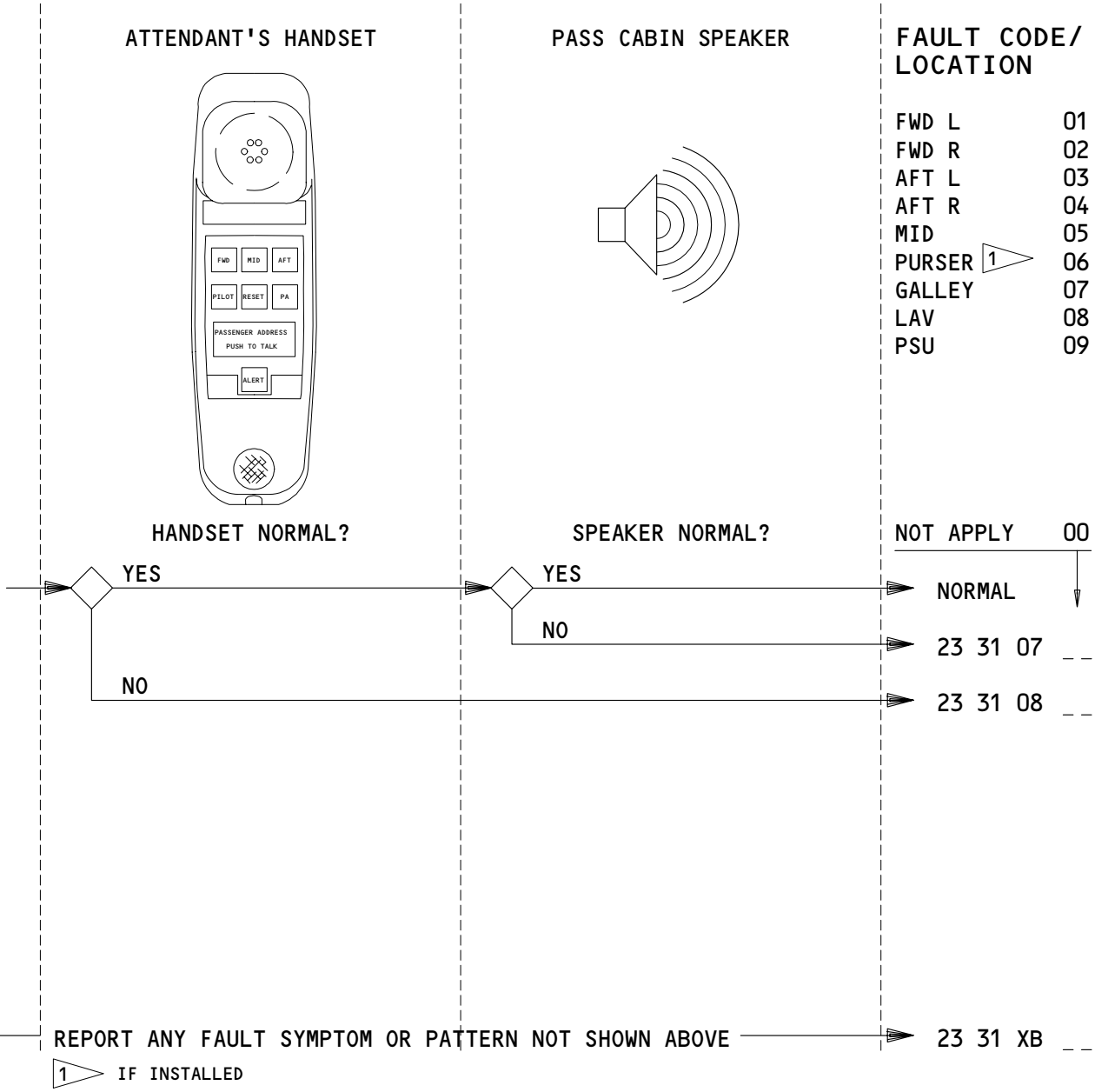

APPLICABLE CIRCUIT BREAKERS

11C22	PASS ADRS
11C23	CABIN SERVICE

CABIN HANDSETS AND SPEAKERS – FAULT CODES

EFFECTIVITY

ALL

23-FAULT CODE DIAGRAM

590175

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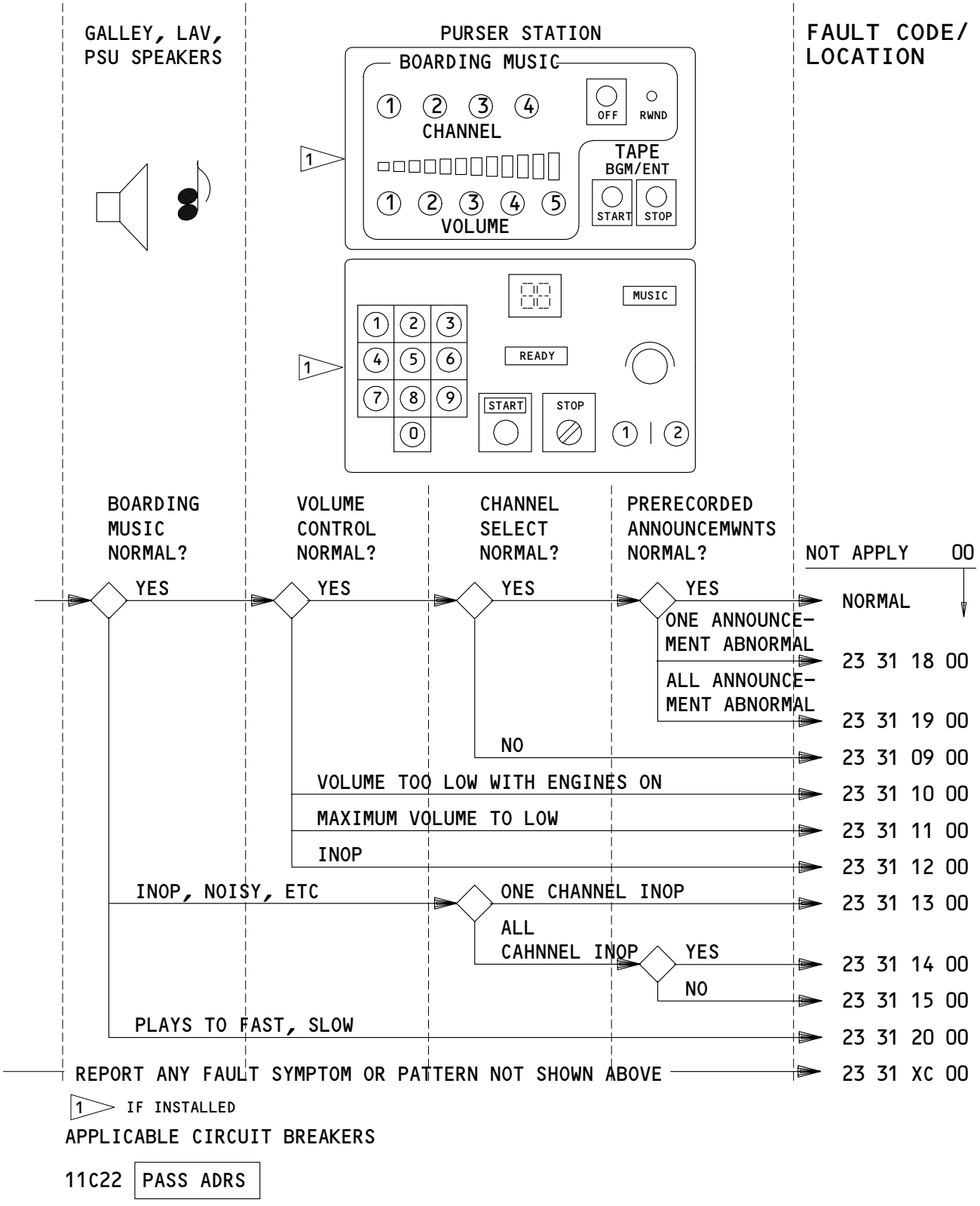

BOARDING MUSIC AND PRERECORDED ANNOUNCEMENTS – FAULT CODES

EFFECTIVITY

ALL

23-FAULT CODE DIAGRAM

590178

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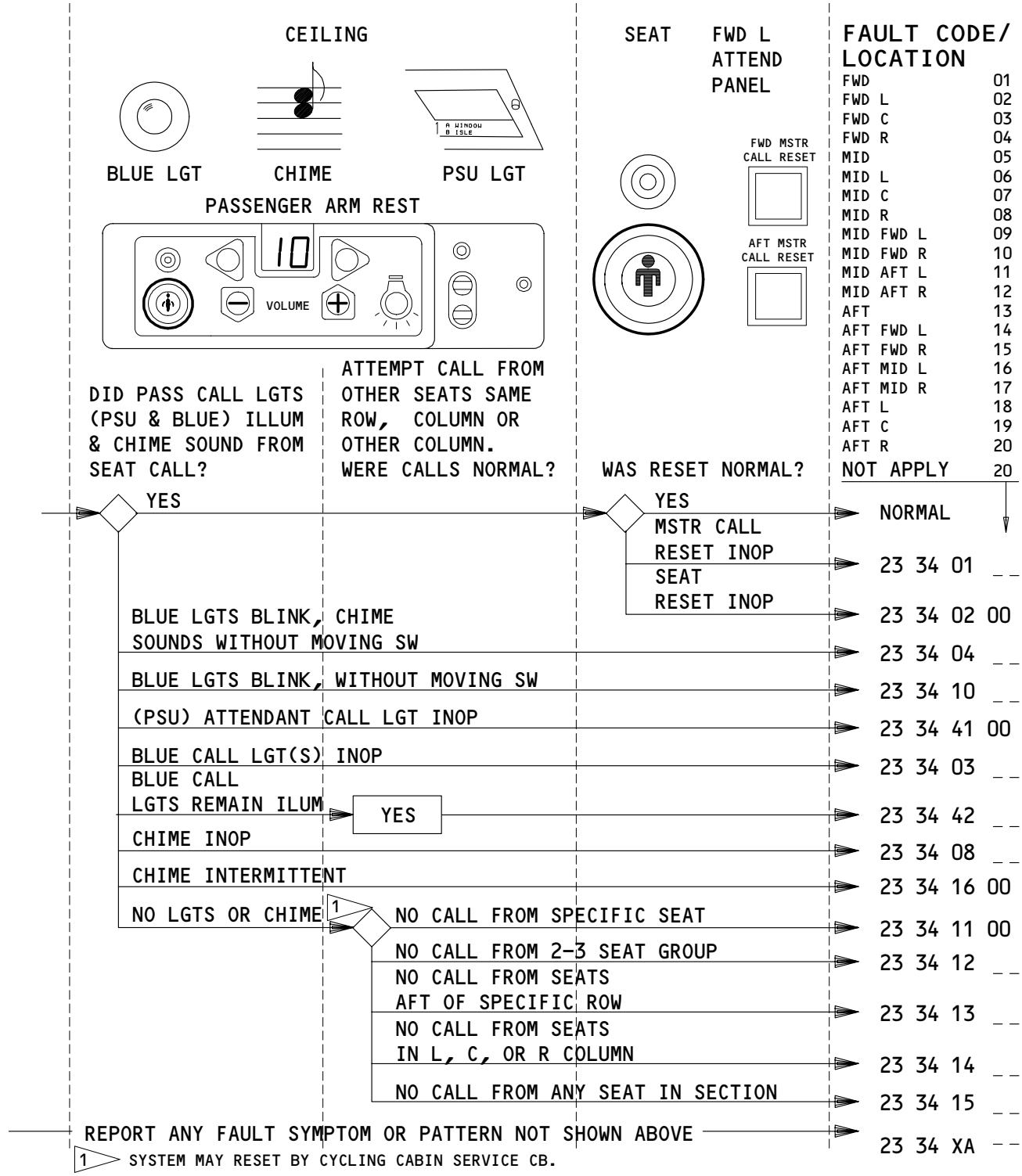

ATTENDANT CALL FROM SEATS – FAULT CODES

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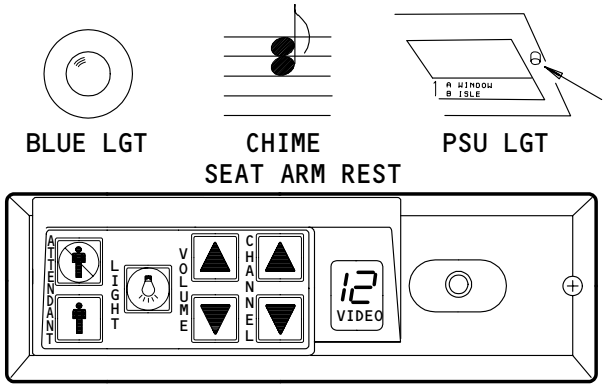

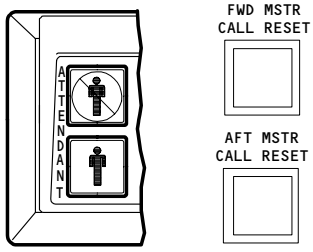

FAULT CODE/ LOCATION	
FWD	01
FWD L	02
FWD C	03
FWD R	04
MID	05
MID L	06
MID C	07
MID R	08
MID FWD L	09
MID FWD R	10
MID CTR L	11
MID CTR R	12
MID AFT L	13
MID AFT R	14
AFT	15
AFT L	16
AFT C	17
AFT R	18

DID PASS CALL LGTS (PSU & BLUE) ILLUM & CHIME SOUND FROM SEAT CALL?

ATTEMPT CALL FROM OTHER SEATS SAME ROW, COLUMN OR OTHER COLUMN. WERE CALLS NORMAL?

WAS RESET NORMAL?

NOT APPLY 00

- YES
  - YES → NORMAL
  - MSTR CALL RESET INOP → 23 34 46 _ _
  - SEAT RESET INOP → 23 34 02 00
- BLUE LGTS BLINK, CHIME SOUNDS WITHOUT MOVING SW → 23 34 47 _ _
- BLUE LGTS BLINK, WITHOUT MOVING SW → 23 34 48 _ _
- (PSU) ATTENDANT CALL LGT INOP → 23 34 41 00
- BLUE CALL LGT(S) INOP → 23 34 49 _ _
- BLUE CALL LGTS REMAIN ILUM → YES → 23 34 50 _ _
- CHIME INOP → 23 34 51 _ _
- CHIME INTERMITTENT → 23 34 16 00
- NO LGTS OR CHIME [1]
  - NO CALL FROM SPECIFIC SEAT → 23 34 11 00
  - NO CALL FROM 2-3 SEAT GROUP → 23 34 52 _ _
  - NO CALL FROM SEATS AFT OF SPECIFIC ROW → 23 34 53 _ _
  - NO CALL FROM SEATS IN L, C, OR R COLUMN → 23 34 54 _ _
  - NO CALL FROM ANY SEAT IN SECTION → 23 34 55 _ _
- REPORT ANY FAULT SYMPTOM OR PATTERN NOT SHOWN ABOVE → 23 34 XD _ _

[1] SYSTEM MAY RESET BY CYCLING CABIN SERVICE CB.

APPLICABLE CIRCUIT BREAKERS

11C22	PASS ADRS	11C23	CABIN SERVICE	11T8	PASS ENTMT/SERVICE CONT

ATTENDANT CALL FROM SEATS – FAULT CODES

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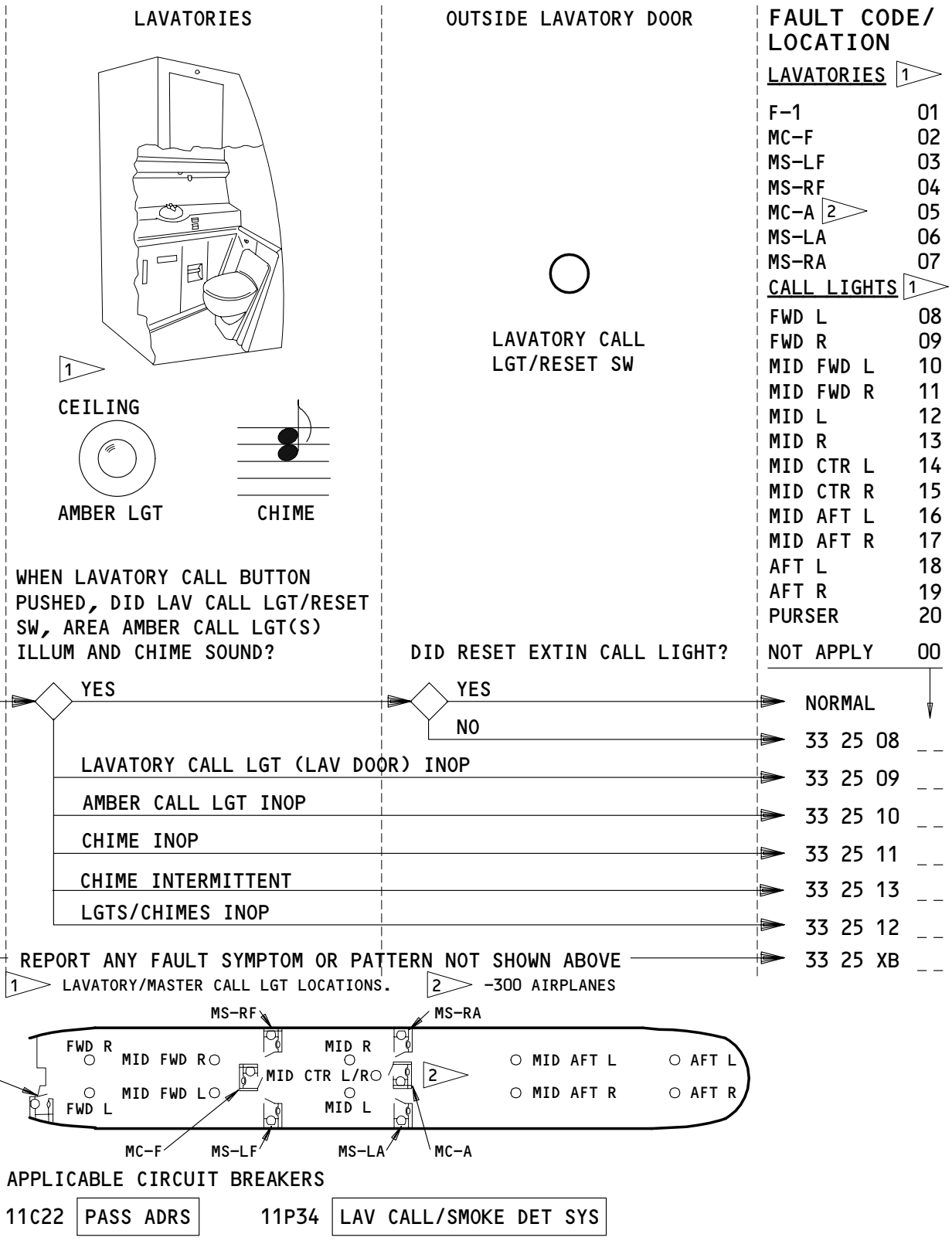

ATTENDANT CALL FROM LAVATORY – FAULT CODES

EFFECTIVITY
ALL SAS AIRPLANES

23-FAULT CODE DIAGRAM

590187

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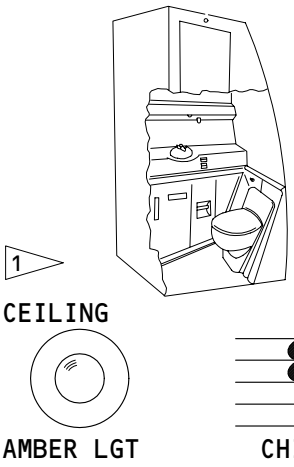
LAVATORIES



OUTSIDE LAVATORY DOOR

LAVATORY CALL
LGT/RESET SW

FAULT CODE/ LOCATION

LAVATORIES 1	
A	01
B	02
C	03
D	04
E	05
F	06

CALL LIGHTS 1	
FWD L	08
FWD R	09
MID L	10
MID R	11
MID CTR L	12
MID CTR R	13
MID AFT L	14
MID AFT R	15
AFT L	16
AFT R	17
ALL	18

WHEN LAVATORY CALL BUTTON PUSHED, DID LAV CALL LGT/RESET SW, AREA AMBER CALL LGT(S) ILLUM AND CHIME SOUND?

YES

DID RESET EXTIN CALL LIGHT?

YES → NORMAL

NO → 33 25 01 _ _

NOT APPLY 00

LAVATORY CALL LGT (LAV DOOR) INOP → 33 25 06 _ _

AMBER CALL LGT INOP → 33 25 02 _ _

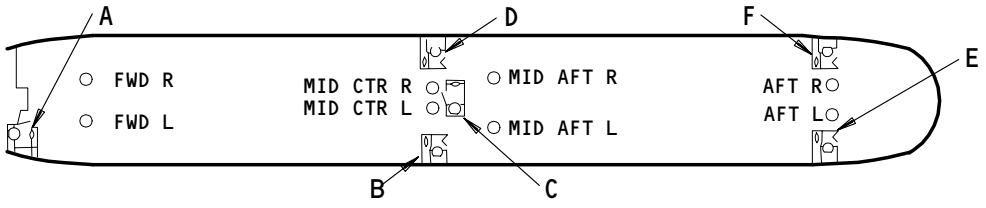
CHIME INOP → 33 25 03 _ _

CHIME INTERMITTENT → 33 25 07 _ _

LGTS/CHIMES INOP → 33 25 05 _ _

REPORT ANY FAULT SYMPTOM OR PATTERN NOT SHOWN ABOVE → 33 25 XA _ _

1 LAVATORY/MASTER CALL LGT LOCATIONS.



APPLICABLE CIRCUIT BREAKERS

11C22 PASS ADRS

11P34 LAV CALL/SMOKE DET SYS

ATTENDANT CALL FROM LAVATORY – FAULT CODES

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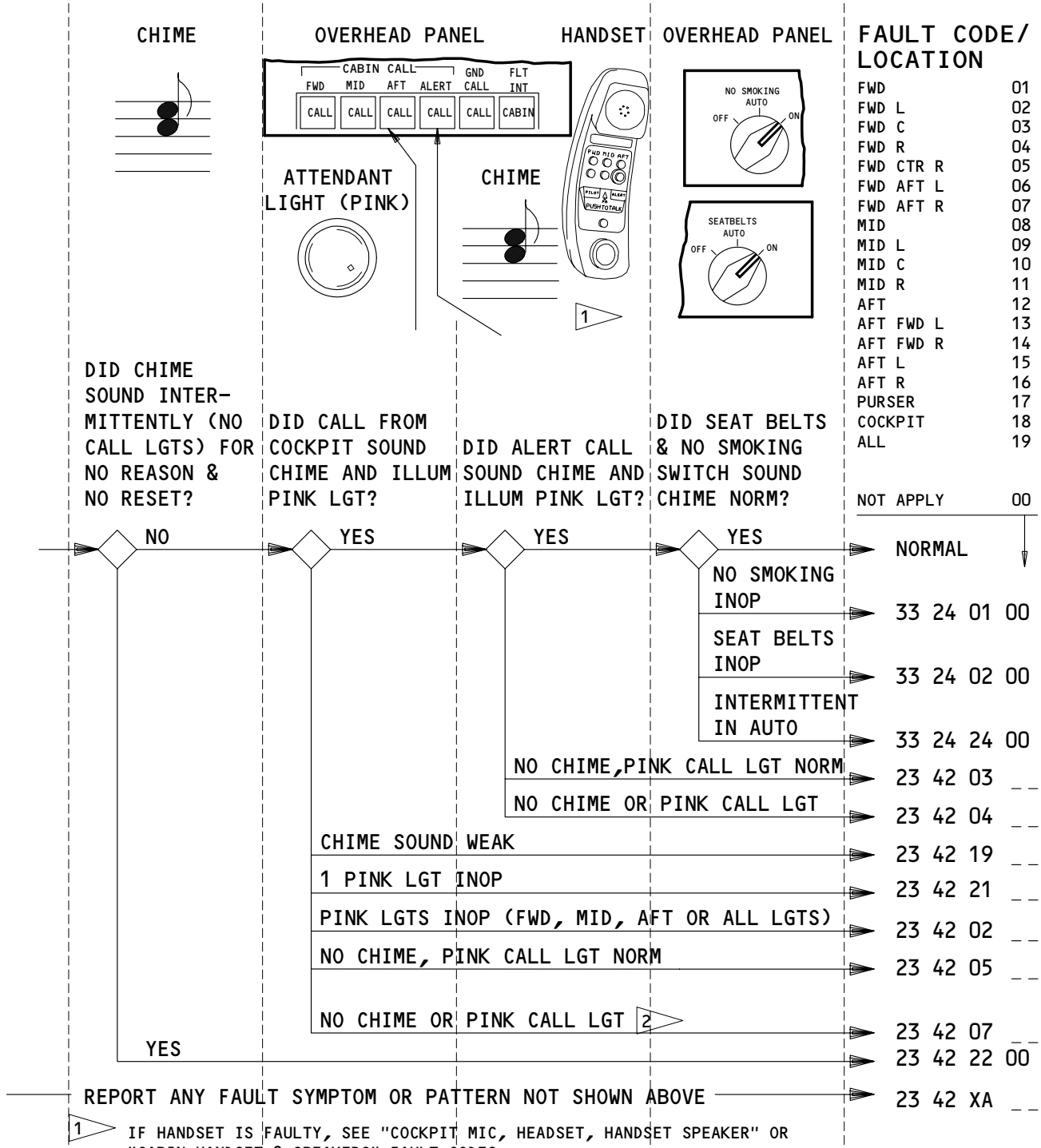

1 IF HANDSET IS FAULTY, SEE "COCKPIT MIC, HEADSET, HANDSET SPEAKER" OR "CABIN HANDSET & SPEAKERS" FAULT CODES.

2 SYSTEM MAY RESET BY CYCLING CABIN SERVICE CB.

APPLICABLE CIRCUIT BREAKERS

11C22 PASS ADRS 11C23 CABIN SERVICE

CABIN CHIME, CALL FROM PILOT, ALERT CALL & PASS SIGNS – FAULT CODES

EFFECTIVITY

ALL

23-FAULT CODE DIAGRAM

590188

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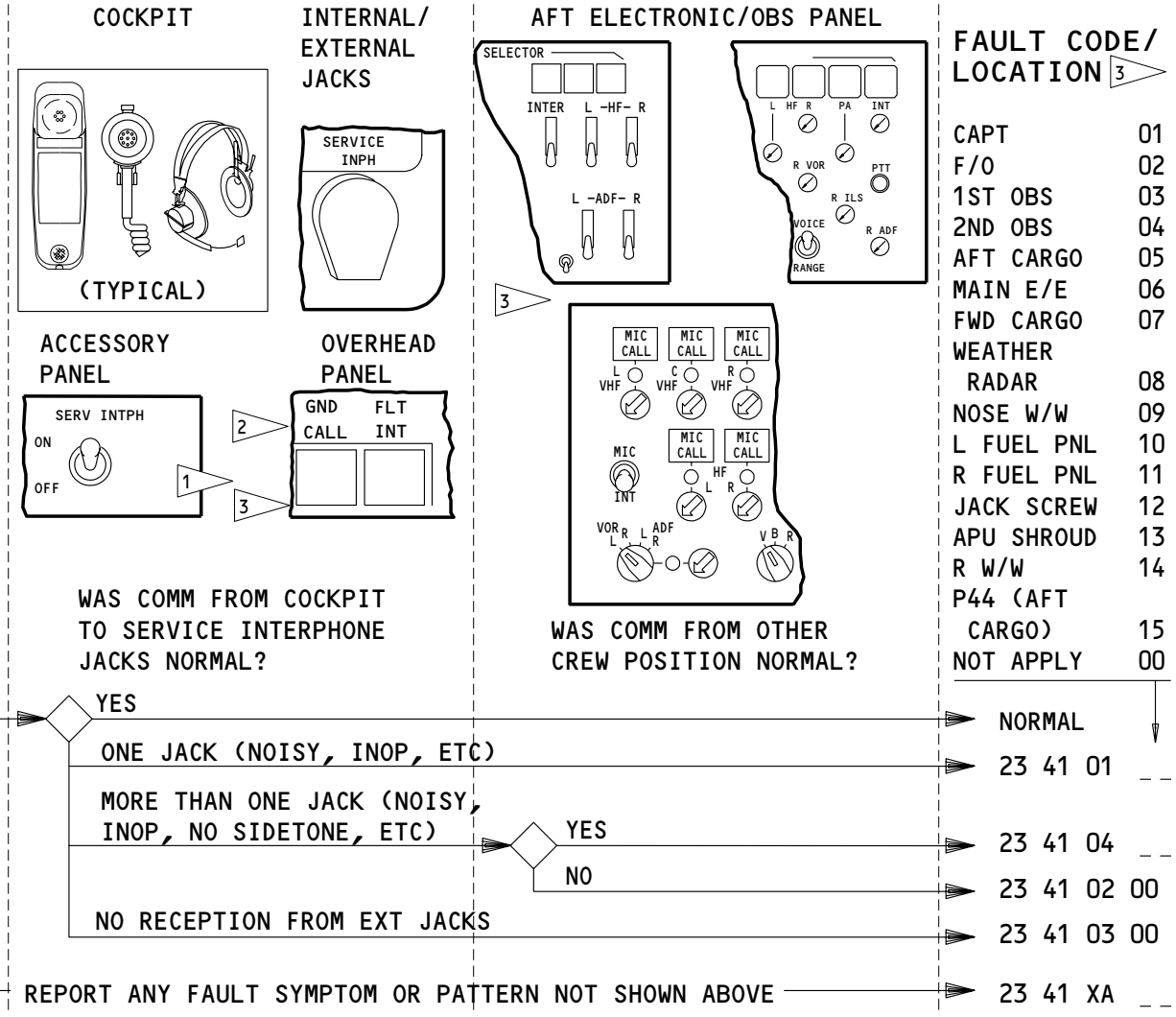

1 THE SERVICE INPH SW MUST BE ON FOR RECEPTION FROM THE EXTERNAL JACKS.

2 FLT INT SWITCH MUST BE ON TO CONNECT FLT INPH TO CABIN AND SERVICE INPH SYSTEMS.

3 AS INSTALLED

APPLICABLE CIRCUIT BREAKERS AS INSTALLED

11C23	(INTERPHONE) CABIN SERVICE	11G30	(INTERPHONE) F/O (SEC)(OBS)(DUAL PWR)
11C25	CAPT SEC-OBS FLT AMPL		
11C25	(INTERPHONE) CAPT(/OBS, OBS)(SUP NUM)(FLT AMPL)(DUAL PWR)		
11C26	(INTERPHONE) F/O (SEC)(OBS)(DUAL PWR)		
11G29	CAPT SEC-OBS FLT AMPL		
11G29	(INTERPHONE) CAPT(/OBS, OBS)(SUP NUM)(FLT AMPL)(DUAL PWR)		

SERVICE INTERPHONE - FAULT CODES

EFFECTIVITY
ALL

23-FAULT CODE DIAGRAM

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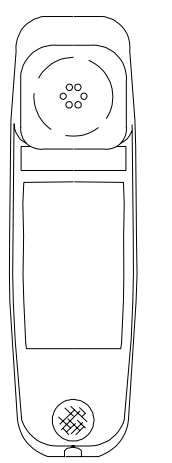

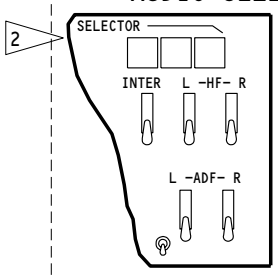

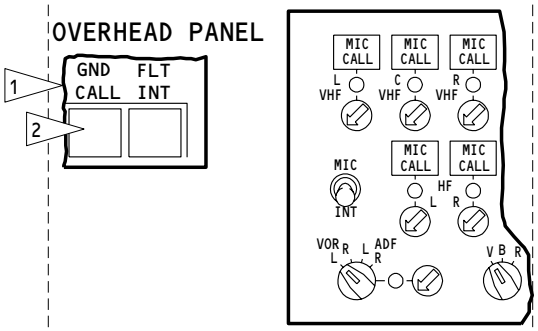

FAULT CODE/ LOCATION 2	
CAPT	01
F/O	02
1ST OBS	03
2ND OBS	04
FWD L	05
FWD R	06
FWD	07
MID FWD L	08
MID FWD R	09
MID	10
MID L	11
MID R	12
MID AFT L	13
MID AFT R	14
AFT L	15
AFT R	16
PURSER	17

WAS COMM ON CABIN INTERPHONE NORMAL USING ANY HANDSET?

YES

WAS COMM ON CABIN INTERPHONE NORMAL USING AUDIO SELECTOR PANELS?

YES → NORMAL — NOT APPLY 00

ONE PANEL (INOP, NOISY, ETC) → 23 42 08 _ _

SYSTEM (INOP, NOISY, ETC) ALL PANELS → 23 42 09 00

ONE HANDSET (INOP, NOISY, ETC) → 23 42 10 _ _

SYSTEM (INOP/NOISY, ETC) ALL HANDSETS → 23 42 11 00

REPORT ANY FAULT SYMPTOM OR PATTERN NOT SHOWN ABOVE → 23 42 XB _ _

1 FLT INT SWITCH MUST BE ON TO CONNECT FLT INPH TO CABIN AND SERVICE INPH SYSTEMS.

2 AS INSTALLED

APPLICABLE CIRCUIT BREAKERS AS INSTALLED

11C23	(INTERPHONE) CABIN SERVICE
11C25	(INTERPHONE) CAPT(/OBS, OBS)(SEC-OBS)(FLT AMPL)(DUAL PWR)
11C26	(INTERPHONE) F/O (SEC)(OBS)(DUAL PWR)
11G29	(INTERPHONE) CAPT(/OBS, OBS)(SEC-OBS)(FLT AMPL)(DUAL PWR)
11G30	(INTERPHONE) F/O (SEC)(OBS)(DUAL PWR)

CABIN INTERPHONE - FAULT CODES

EFFECTIVITY

ALL

23-FAULT CODE DIAGRAM

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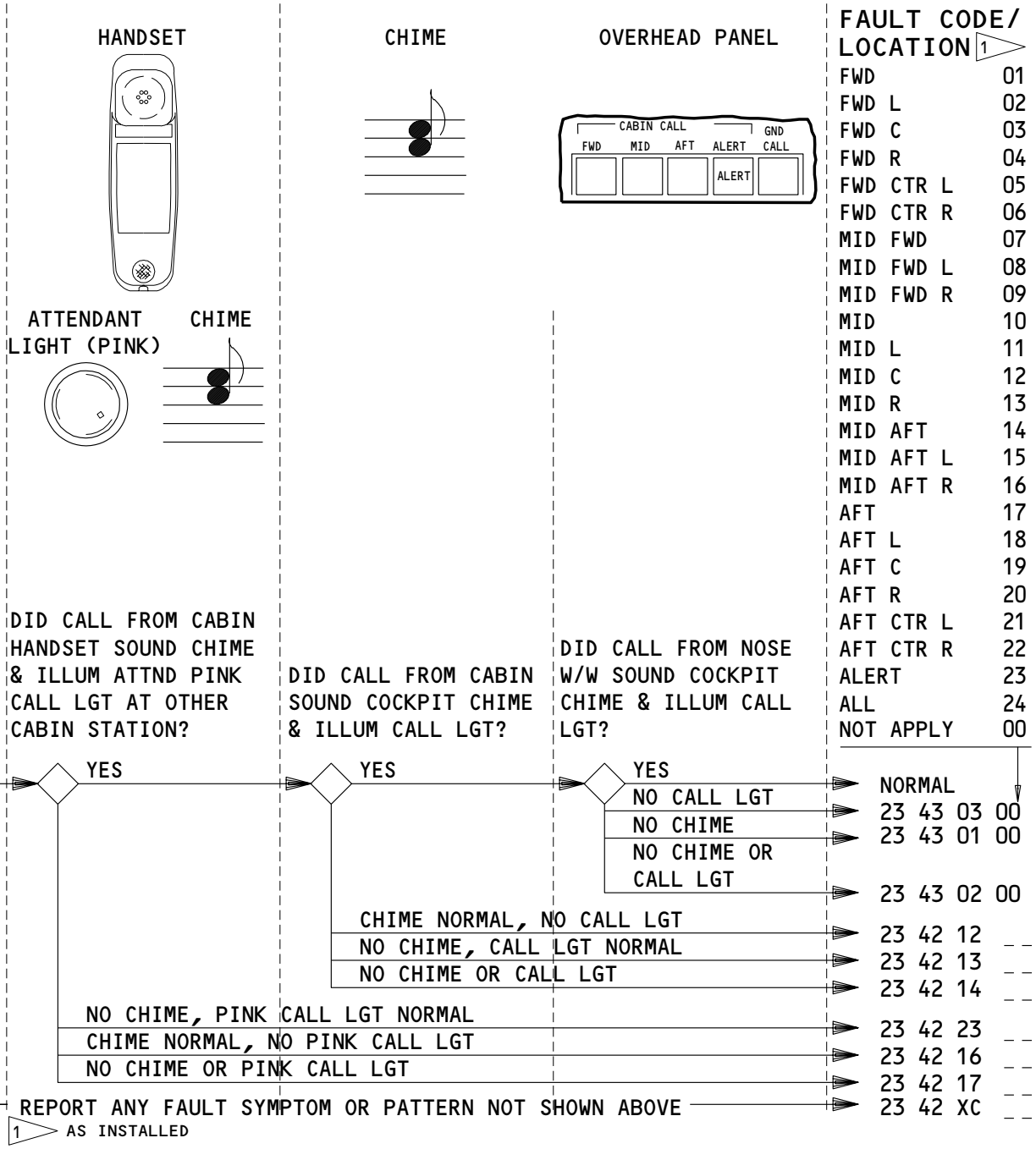

APPLICABLE CIRCUIT BREAKERS AS INSTALLED

11B16	AURAL WARN SPKR L	11H32	GND CALL
11B18	WARN ELEX B	11H35	AURAL WARN SPKR R
11C23	(INTERPHONE) CABIN SERVICE	11J34	WARN ELEX A
11C24	CABIN SERVICE		

CABIN AND COCKPIT CHIME, CALL LIGHTS FROM ATTENDANT & NOSE WHEEL WELL – FAULT CODES

EFFECTIVITY
ALL

23-FAULT CODE DIAGRAM

K98675

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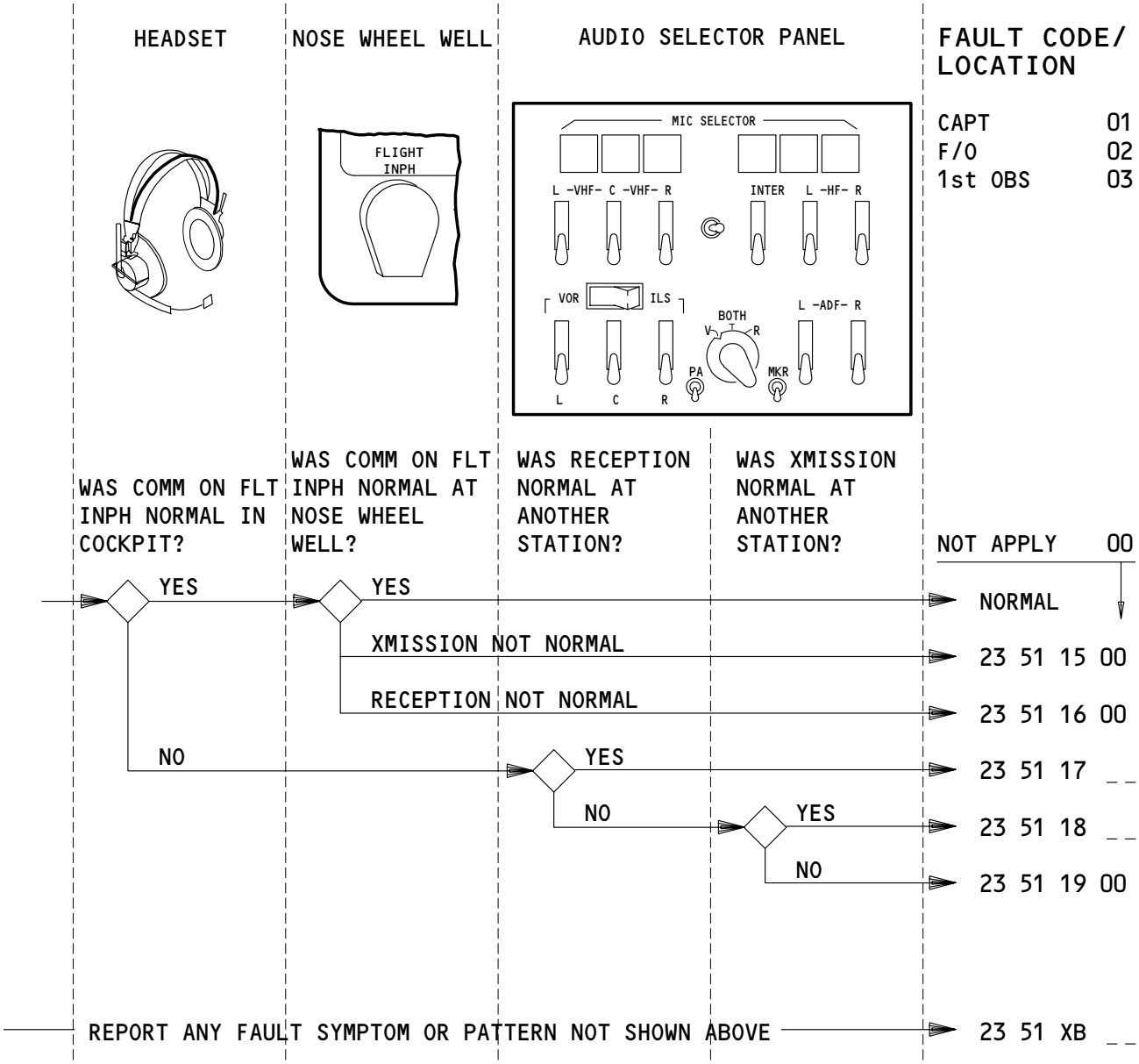

APPLICABLE CIRCUIT BREAKERS

11C25	CAPT/OBS FLT AMPL
11C26	F/O
11G29	CAPT/OBS FLT AMPL
11G30	F/O

FLIGHT INTERPHONE – FAULT CODES

EFFECTIVITY

ALL

23-FAULT CODE DIAGRAM

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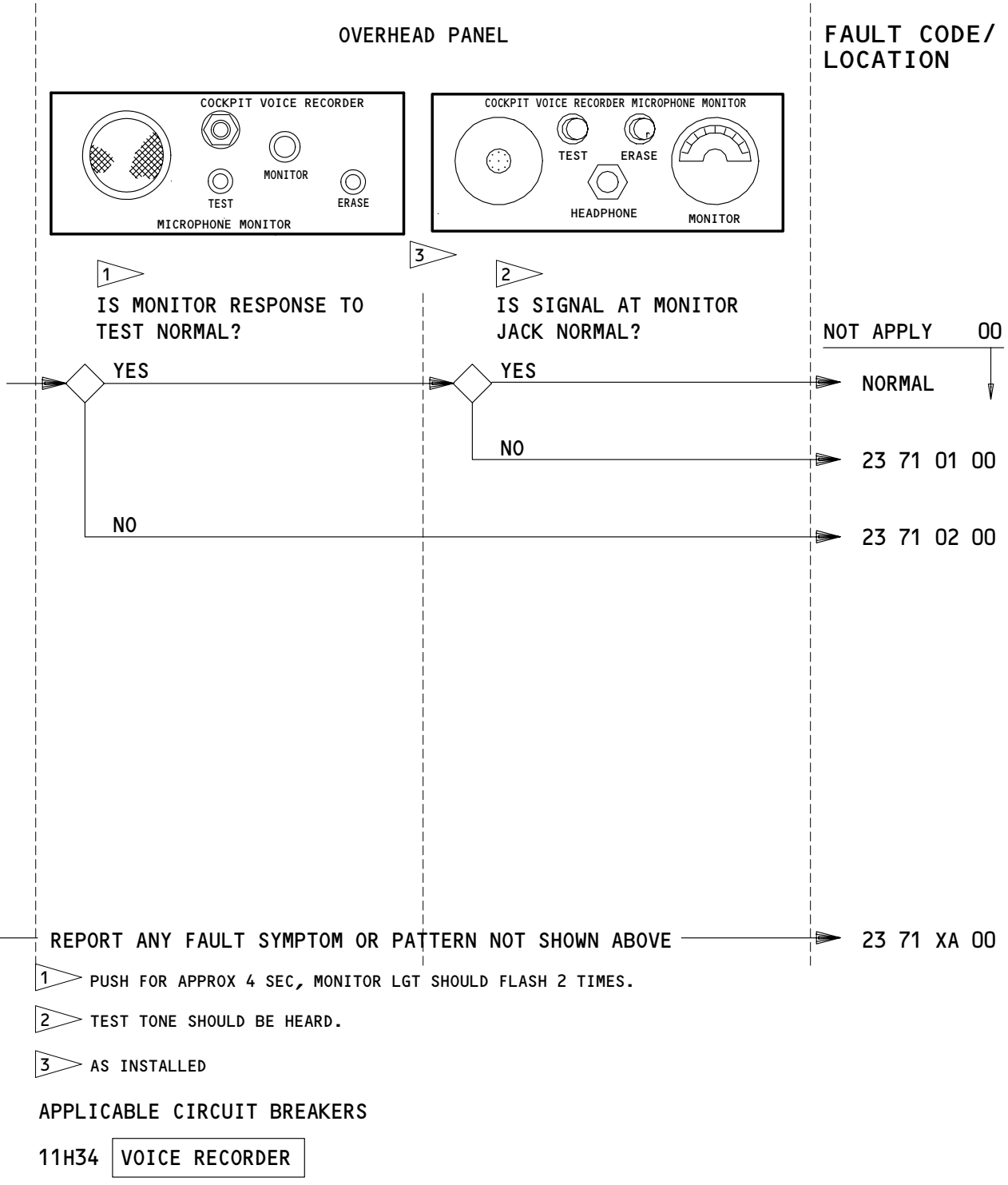

1 PUSH FOR APPROX 4 SEC, MONITOR LGT SHOULD FLASH 2 TIMES.

2 TEST TONE SHOULD BE HEARD.

3 AS INSTALLED

APPLICABLE CIRCUIT BREAKERS

11H34 | VOICE RECORDER |

VOICE RECORDER – FAULT CODES

EFFECTIVITY

ALL

23-FAULT CODE DIAGRAM

980621

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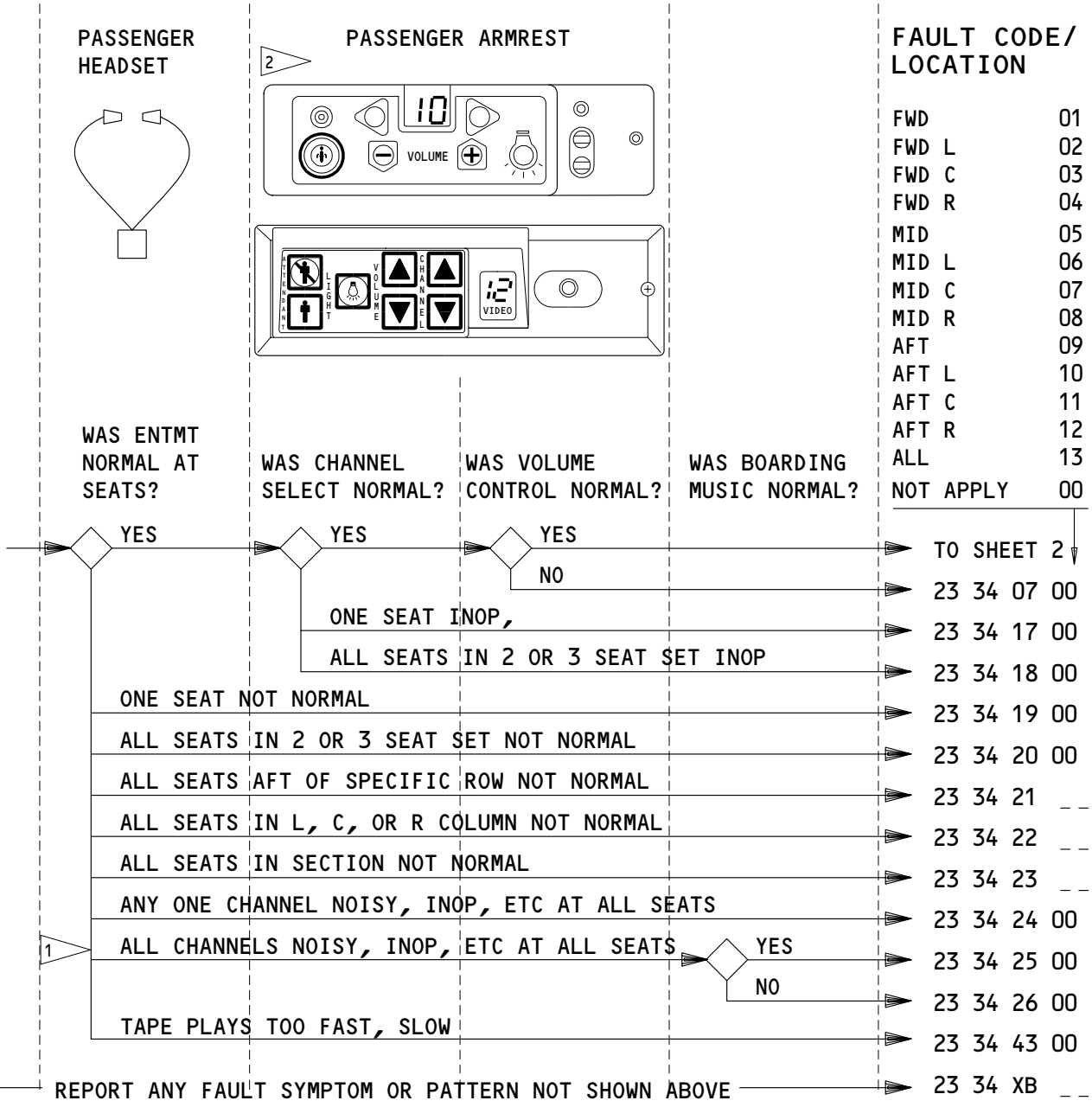

APPLICABLE CIRCUIT BREAKERS

11C22	PASS ADRS
11T8	PASS ENTMT/SERVICE CONT

PASSENGER ENTERTAINMENT (SHEET 1) – FAULT CODES

EFFECTIVITY

ALL

23-FAULT CODE DIAGRAM

590201

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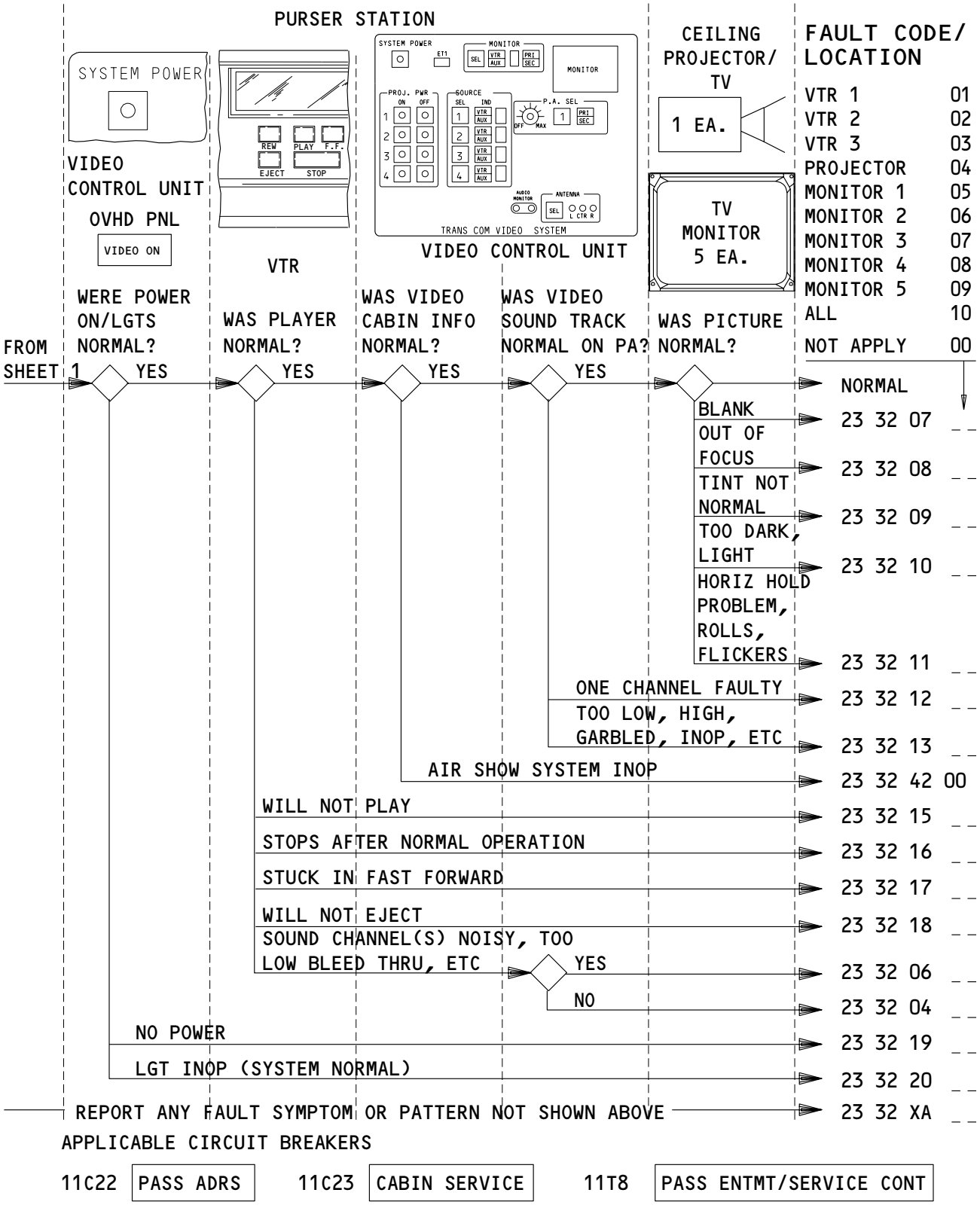

PASSENGER ENTERTAINMENT (SHEET 2) – FAULT CODES

EFFECTIVITY
ALL SAS AIRPLANES

23-FAULT CODE DIAGRAM

672687

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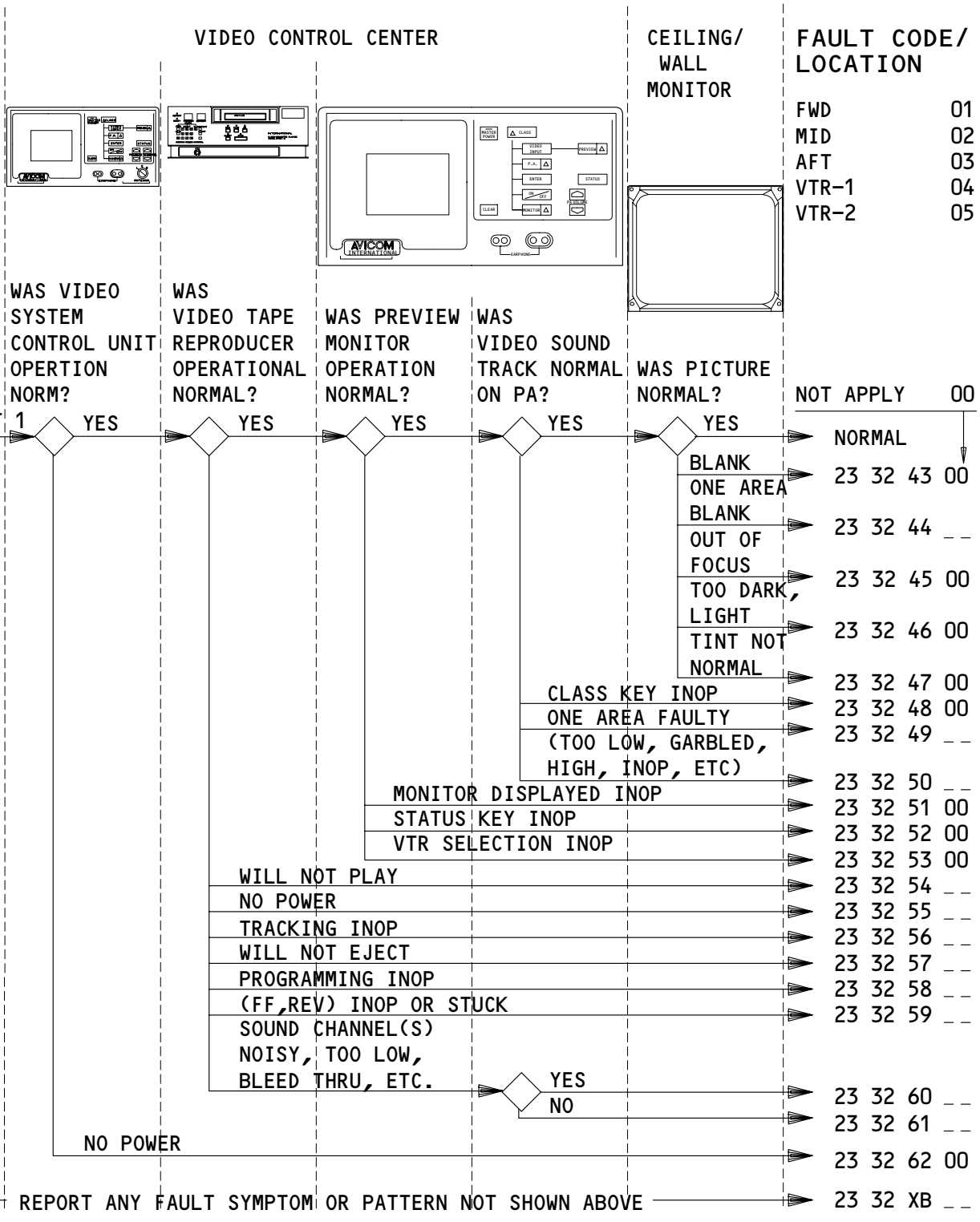

APPLICABLE CIRCUIT BREAKERS

NONE

PASSENGER ENTERTAINMENT (SHEET 3) – FAULT CODES

EFFECTIVITY

ALL

23-FAULT CODE DIAGRAM

E20901

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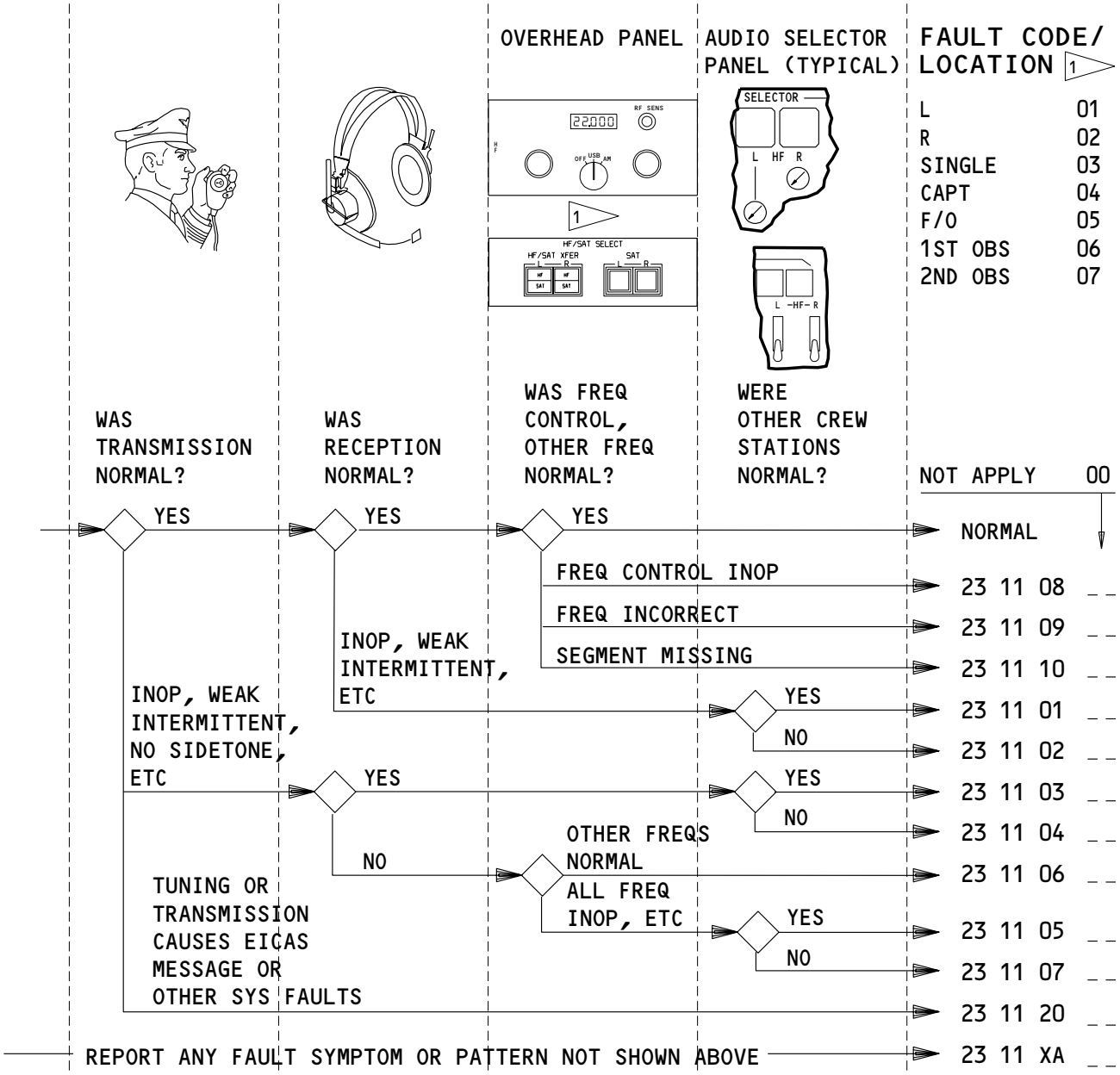

1 AS INSTALLED

APPLICABLE CIRCUIT BREAKERS AS INSTALLED

11C25	CAPT(/OBS)(FLT AMPL)(DUAL PWR)	11G29	ASP PWR 1
11C25	ALTN ASP PWR 1	11G29	CAPT(/OBS)(FLT AMPL)(DUAL PWR)
11C26	F/O (OBS)(DUAL PWR)	11G30	F/O (OBS)(DUAL PWR)
11C26	ALTN ASP PWR 2	11G30	ASP PWR 2
11G8	(LEFT, L) HF COMM	11G35	(RIGHT, R) HF COMM

HF COMM – FAULT CODES

M33496

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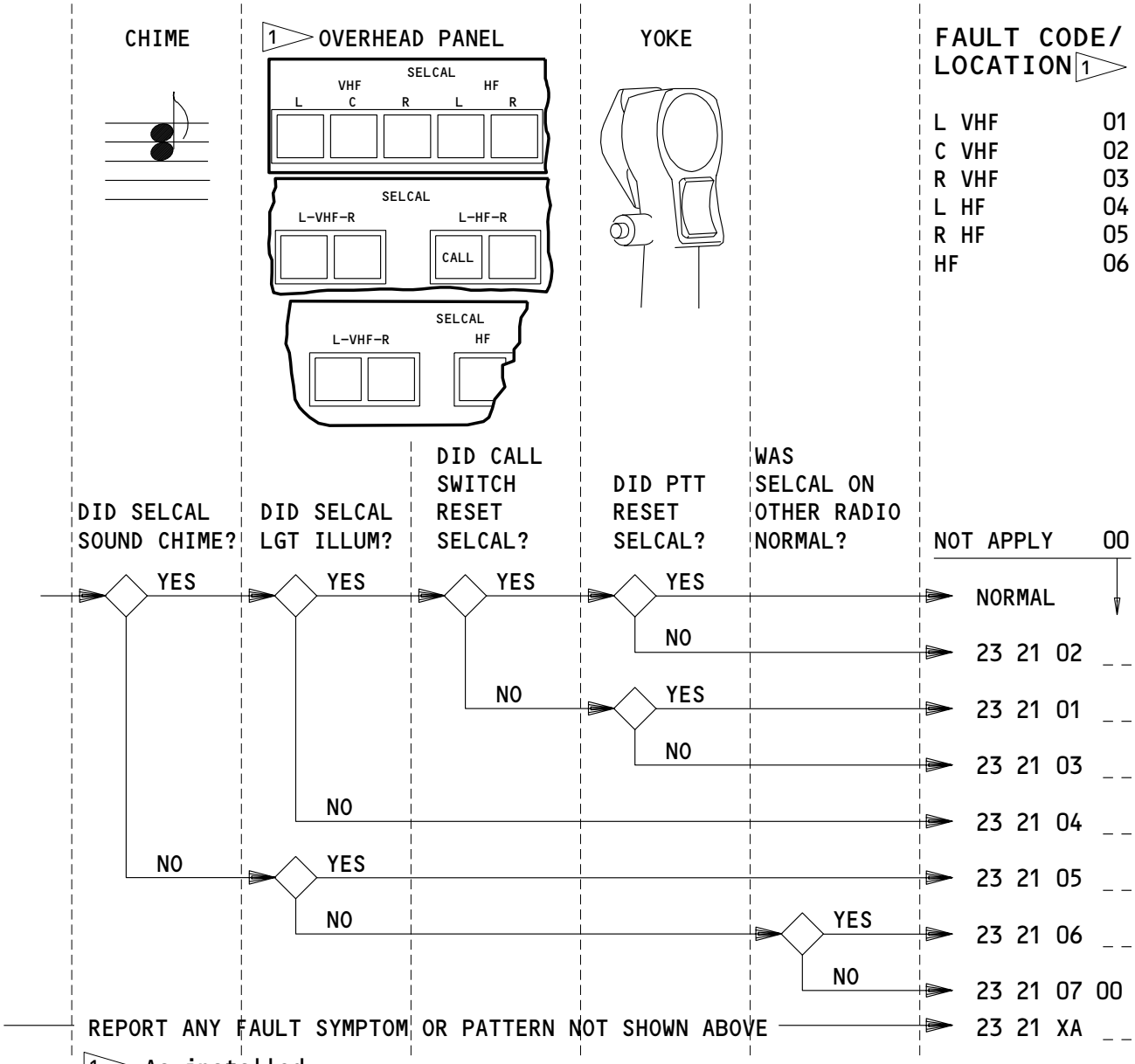

1 As installed

APPLICABLE CIRCUIT BREAKERS AS INSTALLED

11C3	VHF COMM L
11G3	SELCAL
11G4	VHF COMM (CTR, C)
11G8	(LEFT, L) HF COMM
11G31	VHF COMM R
11G35	(RIGHT, R) HF COMM

SELCAL – FAULT CODES

EFFECTIVITY

ALL

23-FAULT CODE DIAGRAM

75478

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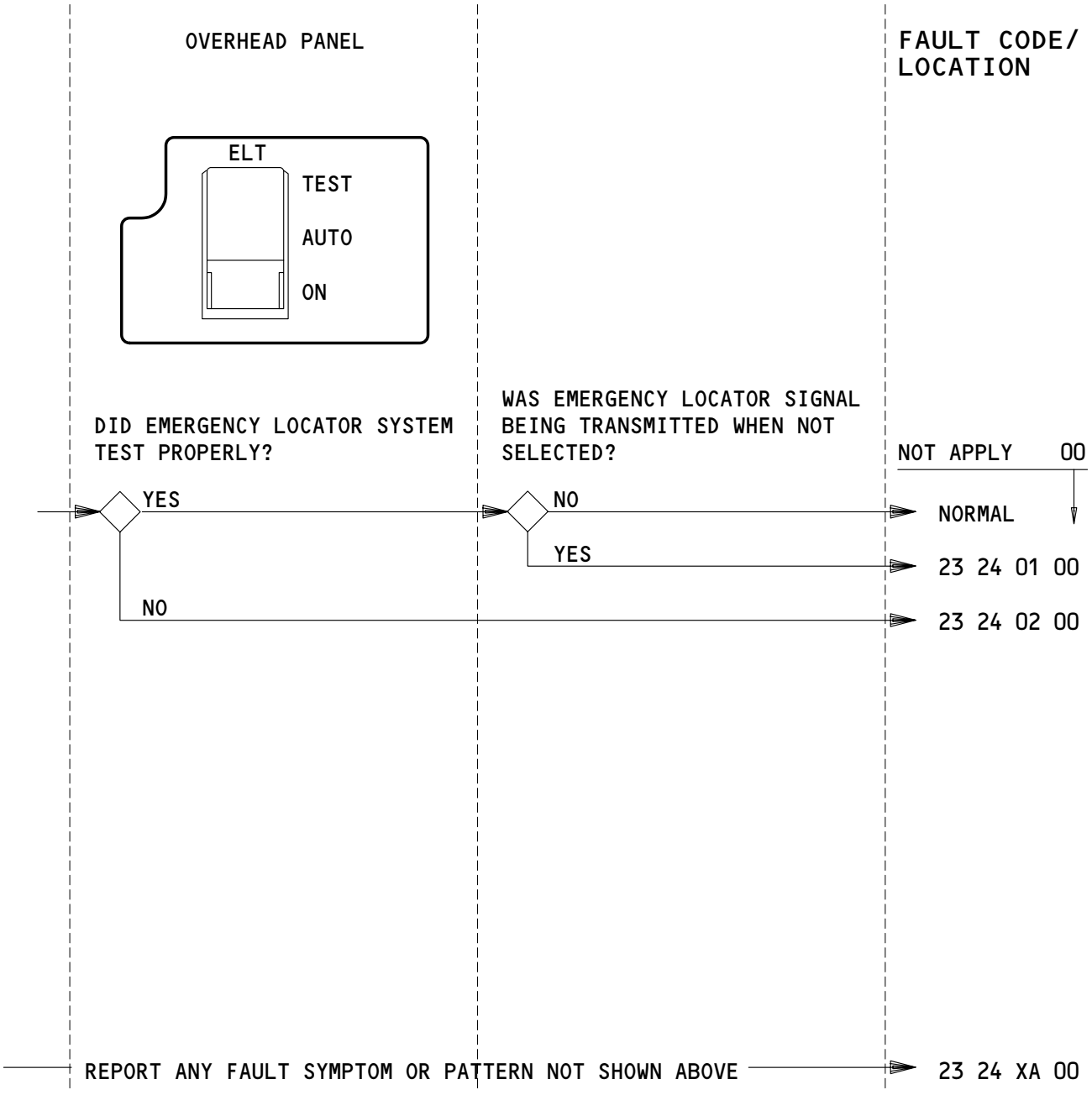

APPLICABLE CIRCUIT BREAKERS

NONE

EMERGENCY LOCATOR TRANSMITTER – FAULT CODES

EFFECTIVITY

ALL

23-FAULT CODE DIAGRAM

604378

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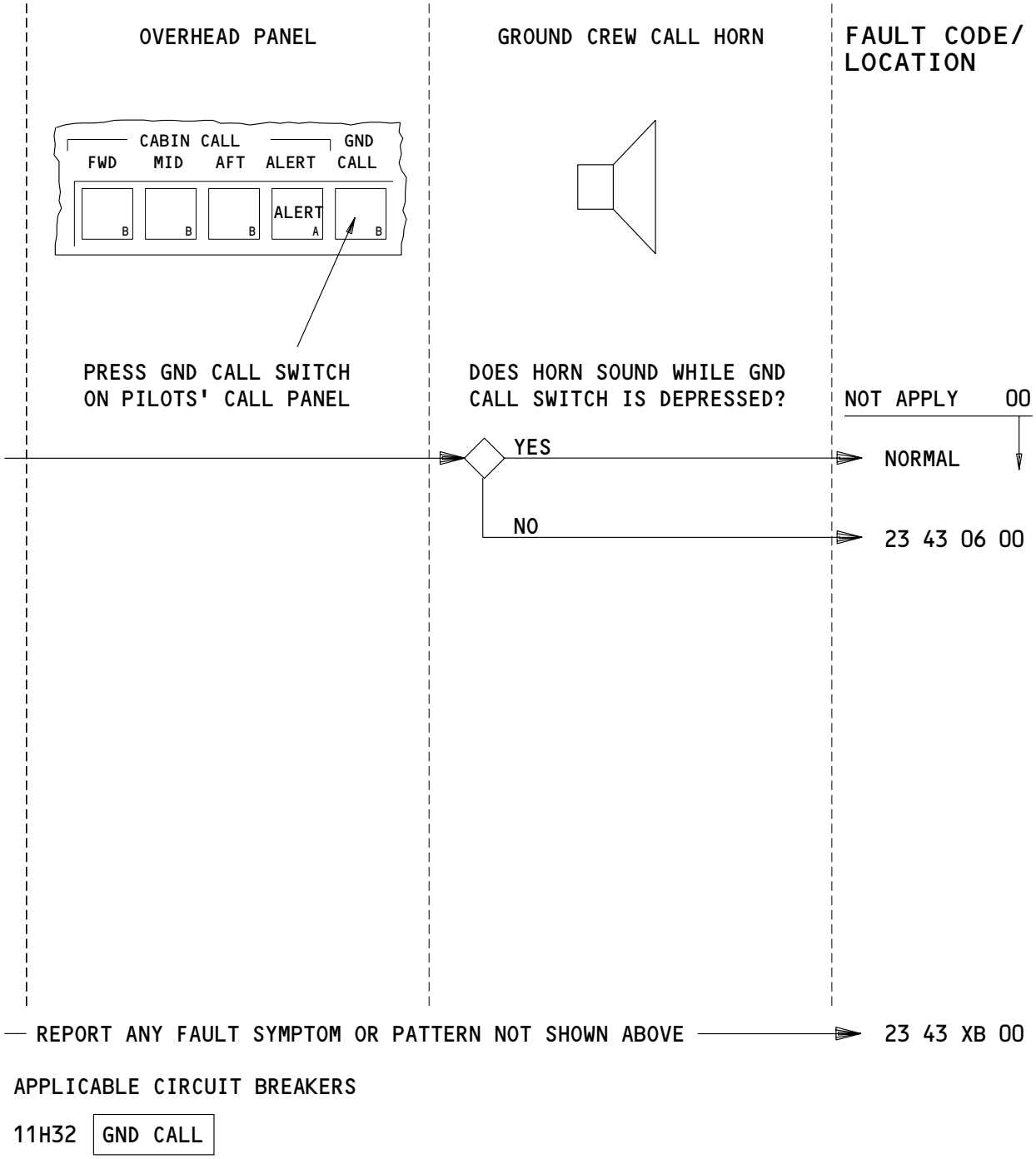

GROUND CREW CALL SYSTEM – FAULT CODES (GROUND)

EFFECTIVITY

ALL

23-FAULT CODE DIAGRAM

G34653

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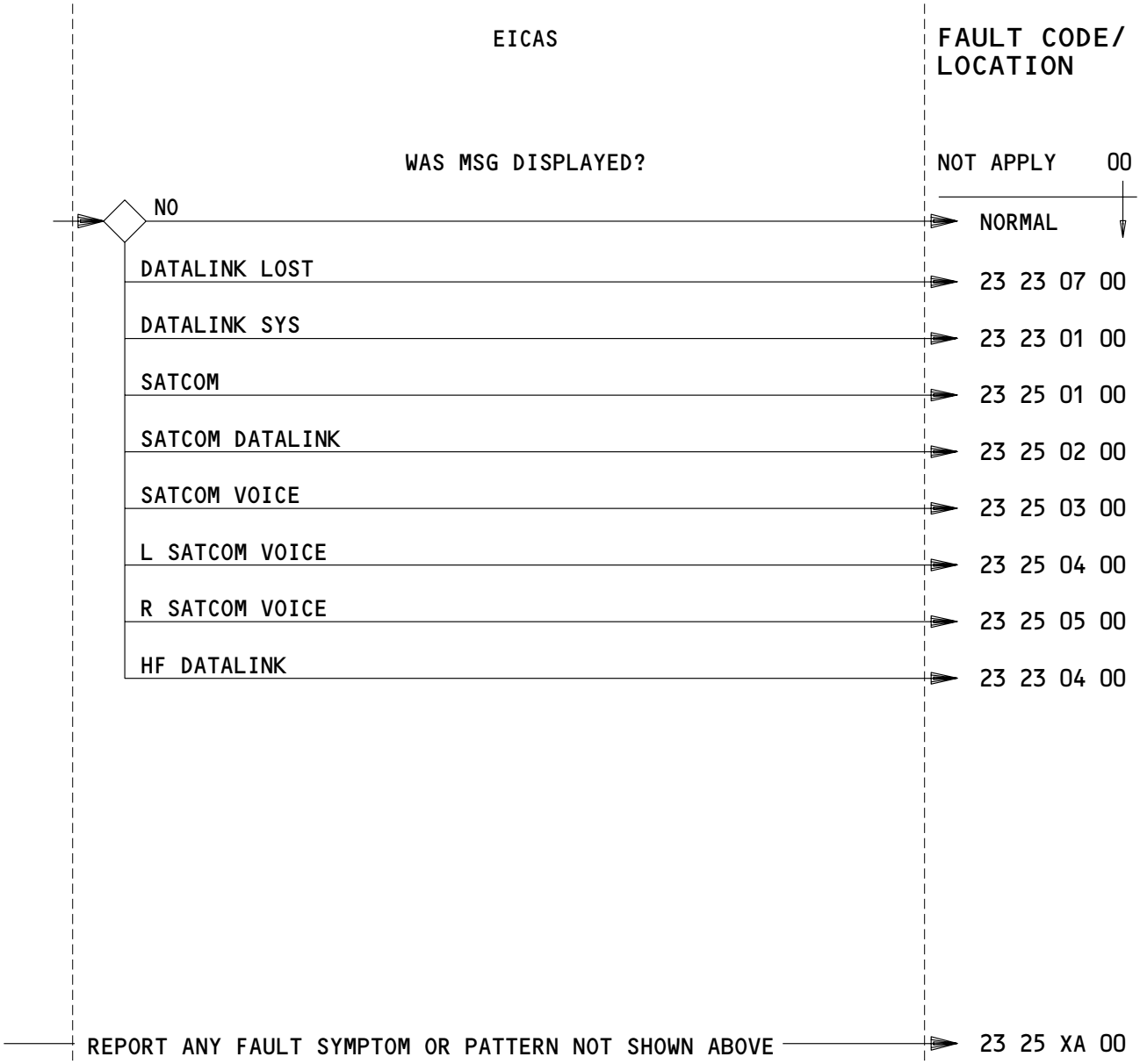

EICAS MESSAGE – FAULT CODES

EFFECTIVITY

ALL

23-FAULT CODE DIAGRAM

K98886

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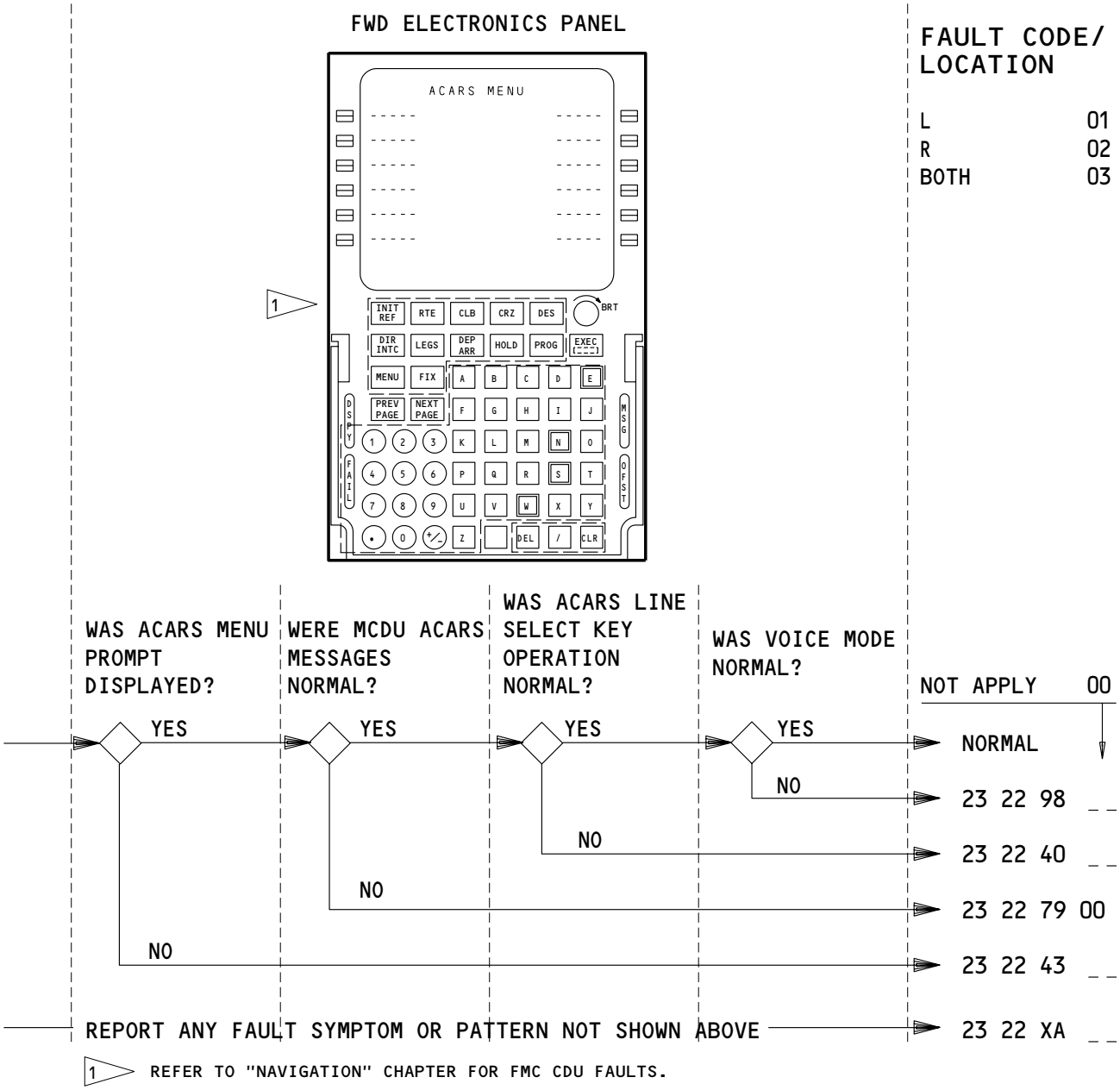

APPLICABLE CIRCUIT BREAKERS

6G5	ACARS DC PWR	11E29	RIGHT FMCS CDU
11E8	LEFT FMCS CDU	11G6	ACARS MGMT UNIT AC

FMC CDU–ACARS INTERFACE – FAULT CODES

EFFECTIVITY

ALL

23-FAULT CODE DIAGRAM

M33550

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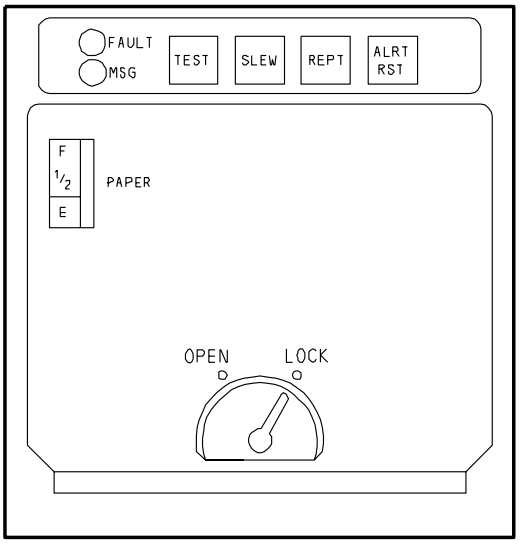
AFT ELECTRONICS PANEL



FAULT CODE/ LOCATION

WAS PRINTER OPERATION NORMAL?

NOT APPLY 00

YES → NORMAL

SELF TEST INOP → 23 22 81 00

PRINTER FAULT LIGHT ILLUM → 23 22 78 00

MSG LIGHT WILL NOT RESET → 23 22 33 00

REPORT ANY FAULT SYMPTOM OR PATTERN NOT SHOWN ABOVE → 23 22 XE 00

1 REFER TO "NAVIGATION" CHAPTER FOR FMC CDU FAULTS.

APPLICABLE CIRCUIT BREAKERS

NONE

ACARS PRINTER – FAULT CODES

EFFECTIVITY

ALL

23-FAULT CODE DIAGRAM

M33566

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FAULT CODE	1. LOG BOOK REPORT 2. FAULT ISOLATION REFERENCE
23 11 XA --	1. Report HF comm symptoms or patterns along with the fault code. 2. SSM 23-11-01, SSM 23-11-02.
23 12 XA --	1. Report VHF comm symptoms or patterns along with fault code. 2. FIM 23-12-00/101, Fig. 103.
23 21 XA --	1. Report SELCAL symptoms or patterns along with fault code. 2. SSM 23-21-01.
23 22 XB --	1. Report ACARS printer symptoms or patterns along with fault code. 2. SSM 23-21-01.
23 24 XA 00	1. Report emergency locator transmitter symptoms or patterns along with fault code. 2. SSM 23-24-01.
23 25 XA 00	1. Report EICAS message symptoms or patterns along with fault code. 2. SSM 23-25-01.
23 31 XA --	1. Report passenger address system symptoms or patterns along with fault codes. 2. SSM 23-31-01.
23 31 XB --	1. Report cabin handset and speaker symptoms or patterns along with fault code. 2. SSM 23-31-01, SSM 23-42-01.
23 31 XC 00	1. Report boarding music symptoms or patterns along with fault code. 2. SSM 23-31-01, SSM 23-31-02, SSM 23-34-01.
23 32 XA --	1. Report passenger entertainment symptoms or patterns along with fault code. 2. SSM 23-32-01.

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FAULT CODE	1. LOG BOOK REPORT 2. FAULT ISOLATION REFERENCE
23 32 XB --	1. Report passenger entertainment symptoms or patterns along with fault code. 2. SSM 23-32-01.
23 34 XA --	1. Report attendant call from seat symptoms or patterns along with fault code. 2. SSM 23-34-01.
23 34 XB --	1. Report passenger entertainment symptoms or patterns along with fault code. 2. SSM 23-34-01, SSM 23-34-02.
23 34 XC --	1. A reading light problem was encountered by the flight crew which is not covered in the fault code diagrams (Ref Chapter 33 for fault code diagram). 2. SSM 23-34-01, SSM 23-34-02.
23 34 XD --	1. An attendant call from seat problem was encountered by the flight crew which is not covered in the fault code diagrams (Ref fault code diagram for flight crew actions). 2. SSM 23-34-01, SSM 23-34-02.
23 41 XA --	1. Report service interphone symptoms or patterns along with the fault code. 2. SSM 23-41-01.
23 42 XA --	1. A cabin chime, passenger signs, call from pilot, other attendant, and alert problem was encountered by the flight crew which is not covered in the fault code diagrams (Ref fault code diagram for flight crew actions). 2. SSM 23-42-01.

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FAULT CODE	1. LOG BOOK REPORT 2. FAULT ISOLATION REFERENCE
23 42 XB --	1. Report cabin interphone symptoms or patterns along with fault code. 2. SSM 23-42-01.
23 42 XC --	1. Report cabin and cockpit chime/call light from attendant and nose wheel well symptoms or patterns along with the fault code. 2. SSM 23-42-01, SSM 23-43-01.
23 43 XA 00	1. An equipment cooling/IRU: ground crew call warning system problem was encountered by the flight crew which is not covered in the fault code diagrams (Ref fault code diagram for ground crew actions). 2. SSM 23-43-01.
23 43 XB 00	1. A ground crew call system problem was encountered by the flight crew which is not covered in the fault code diagrams (Ref fault code diagram for ground crew actions). 2. SSM 23-43-01.
23 51 XA --	1. Report push to talk (PTT) symptoms or patterns along with fault codes. 2. SSM 23-51-01.
23 51 XB --	1. Report Flight Interphone symptoms or patterns along with fault code. 2. SSM 23-51-01.
23 51 XC --	1. Report ASP, cockpit mic, headset, speaker symptoms along with the fault code. 2. SSM 23-51-01.

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FAULT CODE	1. LOG BOOK REPORT 2. FAULT ISOLATION REFERENCE
23 71 XA 00	1. Report voice recorder symptoms or patterns along with fault code. 2. SSM 23-71-01.
23 11 01 --	1. Reception on (L, R, single) HF (describe problem: inop, weak, intermittent, etc.) at (04=Capt, 05=F/O, 06=1st Obs , 07=2nd Obs) station. Other crew stations normal. 2. Replace the audio selector panel, M70 (M71, M98) at the flight crew position where the problem occurs (AMM 23-51-01/401).
23 11 02 __	1. Reception on (01=L, 02=R, 03=single) HF (describe problem: inop, weak, intermittent, etc.) at all stations. 2. Replace the HF comm transceiver, M153 (AMM 23-11-03/401).
23 11 03 --	1. Transmission on (L, R, single) HF (describe problem: inop, weak, intermittent, no sidetone, etc.) at (04=Capt, 05=F/O, 06=1st Obs, 07=2nd Obs) station. Other crew stations normal. 2. Replace the audio selector panel, M70 (M71, M98) at the flight crew position where the problem occurs (AMM 23-51-01/401).
23 11 04 __	1. Transmission on (01=L, 02=R, 03=single) HF (describe problem: inop, weak, intermittent, no sidetone, etc.) at all stations. 2. Replace the HF comm transceiver, M153 (AMM 23-11-03/401).
23 11 05 --	1. Transmission and reception on (L, R, single) HF (describe problem: inop, etc.) at (04=Capt, 05=F/O, 06=1st Obs, 07=2nd Obs) station. Other crew stations are normal. 2. Replace the audio selector panel, M70 (M71, M98) at the flight crew position where the problem occurs (AMM 23-51-01/401).

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FAULT CODE	1. LOG BOOK REPORT 2. FAULT ISOLATION REFERENCE
23 11 06 __	1. Transmission and reception on (O1=L, O2=R, O3=single) HF at _____ MHz (describe problem: inop, etc.). 2. FIM 23-11-00/101, Fig. 103, Block 1.
23 11 07 --	1. Transmission and reception on (O1=L, O2=R, O3=single) HF (describe problem: inop, etc.). 2. FIM 23-11-00/101, Fig. 103, Block 1.
23 11 08 --	1. (O1=L, O2=R, O3=single) HF freq control inop. (Describe). 2. Replace the L (R) HF comm control panel, M82 (M83) (AMM 23-11-02/401).
23 11 09 --	1. (O1=L, O2=R, O3=single) HF freq incorrect on _____ MHz. 2. FIM 23-11-00/101, Fig. 103, Block 1.
23 11 10 --	1. (O1=L, O2=R, O3=single) HF freq indicator has missing segment. 2. Replace the L (R) HF comm control panel, M82 (M83) (AMM 23-11-02/401).
23 11 20 --	1. Tuning or transmission on (O1=L, O2=R) HF causes invalid EICAS message or causes faults in autothrottle or other systems (describe problem). 2. Inspect the coaxial cable connector for each HF system at the unpressurized side of the aft pressure bulkhead for corrosion (WDM 23-11-11, sheet 2 and WDM 23-11-12, sheet 2). If corrosion is present, replace the coaxial cable. 3. FIM 23-11-00/101, Fig. 103, Block 1.
23 11 21 --	1. Transmission on an HF system (O1=L, O2=R) is defective at high altitudes or cruise, but is satisfactory on the ground or at low altitudes. 2. Replace the antenna coupler for the affected system (L = M241, R = M242) (AMM 23-11-01/401).
23 12 01 --	1. (O1=L, O2=R, O3=C) VHF transfer lgt inop for (L, R) selected frequency. 2. Replace the L (R, C) VHF comm control panel, M78 (M79, M80) (AMM 23-12-02/401).
23 12 02 --	1. (O1=L, O2=R, O3=C) VHF freq control (describe problem: inop, stuck, knob missing, etc) for (L, R) frequency. 2. Replace the L (R, C) VHF comm control panel, M78 (M79, M80) (AMM 23-12-02/401).

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FAULT CODE	1. LOG BOOK REPORT 2. FAULT ISOLATION REFERENCE
23 12 03 --	1. Reception on (L, R, C, All) VHF (describe problem: inop, weak, intermittent, etc.) at (04=Capt, 05=F/O, 06=1st Obs) station. Other crew stations are norm. 2. Replace the audio selector panel, M70 (M71, M98) at the flight crew position where the problem occurs (AMM 23-51-01/401).
23 12 04 --	1. (01=L, 02=R, 03=C) VHF reception (describe problem: inop, weak, intermittent, radar interference, etc.) at all crew stations. 2. Replace the VHF comm transceiver, M188 (M189, M190) (AMM 23-12-01/401).
23 12 05 --	1. (L, R, C) VHF xmission, (describe problem: inop, weak, intermittent, no sidetone, etc.) at (04=Capt, 05=F/O, 06=1st Obs) station. Other crew stations normal. 2. Replace the audio selector panel, M70 (M71, M98) at the flight crew position where the problem occurs (AMM 23-51-01/401).
23 12 06 --	1. (01=L, 02=R, 03=C) VHF xmission (describe problem: inop, weak, intermittent, no sidetone, etc.) at all crew stations. 2. Replace the VHF comm transceiver, M188 (M189, M190) (AMM 23-12-01/401).
23 12 07 --	1. (01=L, 02=R, 03=C) VHF xmission and reception inop when using (L, R) selected frequency (specify freq). 2. Replace the L (R, C) VHF comm control panel, M78 (M79, M80) (AMM 23-12-02/401).
23 12 08 --	1. (01=L, 02=R, 03=C) VHF xmission and reception (describe problem: inop, weak, intermittent, etc.) on (specify freq). 2. FIM 23-12-00/101, Fig. 103, Block 1.
23 12 09 --	1. Xmission and reception on (L, R, C) VHF (describe problem: inop, weak, intermittent, etc.) at (04=Capt, 05=F/O, 06=1st Obs) station. 2. Replace the audio selector panel, M70 (M71, M98) at the flight crew position where the problem occurs (AMM 23-51-01/401).

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FAULT CODE	1. LOG BOOK REPORT 2. FAULT ISOLATION REFERENCE
23 12 10 --	1. (01=L, 02=R, 03=C) VHF xmission and reception (describe problem: inop, weak, intermittent, etc.) at all crew stations on all freq. 2. Do the VHF comm transceiver BITE procedure (FIM 23-12-00/101, Fig. 103, Block 1). If the problem continues, do the time domain reflectometry check of the antenna system (AMM 20-10-32/201). Repair the coaxial cable (WDM 23-12-11, WDM 23-12-21, WDM 23-12-31) or replace the VHF comm antenna, M245 (M246, M247) (AMM 23-12-03/401), as necessary.
23 12 11 --	1. (01=L, 02=R, 03=C) VHF comm test (describe problem: weak, inop, button stuck, etc.). 2. FIM 23-12-00/101, Fig. 103, Block 1.
23 12 13 --	1. (01=L, 02=R, 03=C) VHF freq indication incorrect. (Describe problem). 2. Replace the L (R, C) VHF comm control panel, M78 (M79, M80) (AMM 23-12-02/401).
23 12 14 --	1. (01=L, 02=R, 03=C) VHF freq indicator has segment missing. 2. Replace the L (R, C) VHF comm control panel, M78 (M79, M80) (AMM 23-12-02/401).
23 12 15 --	1. (01=L, 02=R, 03=C) VHF will not transfer to (L, R) side. 2. Replace the L (R, C) VHF comm control panel, M78 (M79, M80) (AMM 23-12-02/401).
23 21 01 --	1. (01=L VHF, 02=C VHF, 03=R VHF, 04=L HF, 05=R HF, 06=HF) call switch fails to reset SELCAL. PTT resets SELCAL. 2. Replace the pilots' call panel, M51 (AMM 23-42-02/401).
23 21 02 --	1. (01=L VHF, 02=C VHF, 03=R VHF, 04=L HF, 05=R HF, 06=HF) SELCAL is not reset by PTT. Call switch resets SELCAL. 2. (01=L VHF, 02=C VHF, 03=R VHF) replace the pilot's call panel, M51 (AMM 23-42-02/401). If the problem continues, replace the VHF comm transceiver, M188 (M189, M190) (AMM 23-12-01/401). (04=L HF, 05=R HF) replace the pilot's call panel, M51 (AMM 23-42-02/401). If the problem continues, replace the HF comm transceiver, M152 (M153) (AMM 23-11-03/401).

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FAULT CODE	1. LOG BOOK REPORT 2. FAULT ISOLATION REFERENCE
23 21 03 --	1. (01=L VHF, 02=C VHF, 03=R VHF, 04=L HF, 05=R HF, 06=HF) call switch and PTT fail to reset SELCAL. 2. Replace the SELCAL decoder, M180 (AMM 23-21-01/401).
23 21 04 --	1. Calls on (01=L VHF, 02=C VHF, 03=R VHF, 04=L HF , 05=R HF, 06=HF) fail to illum SELCAL lgt. 2. Replace the SELCAL decoder, M180 (AMM 23-21-01/401).
23 21 05 --	1. Calls on (01=L VHF, 02=C VHF, 03=R VHF, 04=L HF, 05=R HF, 06=HF) fail to sound chime. SELCAL call lgt illum. 2. Replace the bell chime aural warning module, M1000 (AMM 31-51-04/401). If the problem continues, replace the SELCAL decoder, M180 (AMM 23-21-01/401).
23 21 06 --	1. Calls on (01=L VHF, 02=C VHF, 03=R VHF, 04=L HF, 05=R HF, 06=HF) fail to illum SELCAL lgt and sound chime. SELCAL on another radio norm. 2. (01=L VHF, 02=C VHF, 03=R VHF) FIM 23-12-00/101, Fig. 103, Block 1. If the problem continues, replace the SELCAL decoder, M180 (AMM 23-21-01/401). (04=L HF, 05=R HF, 06=HF) FIM 23-11-00/101, Fig. 103, Block 1. If the problem continues, replace the SELCAL decoder, M180 (AMM 23-21-01/401).
23 21 07 00	1. Calls on any radio fail to illum SELCAL lgt and sound chime. 2. Replace the SELCAL decoder, M180 (AMM 23-21-01/401).
23 22 33 00	1. Printer MSG light illuminated. 2. Push the MSG switchlamp once. If the MSG switchlamp goes out and the message prints out on the printer, the system is O.K. If the MSG lamp stays on, replace the printer (AMM 31-35-06/401).
23 22 40 --	1. ACARS item selections do not respond to line item selection keys on (01=L, 02=R, 03=Both) CDU(s). 2. Replace the ACARS Management Unit, M172 (AMM 23-22-01/401).

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FAULT CODE	1. LOG BOOK REPORT 2. FAULT ISOLATION REFERENCE
23 22 78 00	1. ACARS printer FAULT lgt illum. 2. Replace the ACARS printer, M939 (AMM 23-22-03/401).
23 22 81 00	1. ACARS printer SELF TEST inoperative. 2. Replace the Multi-Input printer (AMM 31-35-06/401).
23 22 98 --	1. ACARS voice mode inop using (01=L, 02=R, 03=Both) CDU(s). 2. Replace the center VHF comm transceiver, M190 (AMM 23-12-01/401).
23 23 01 00	1. EICAS msg DATALINK SYS displayed. 2. ACARS Datalink is active after being in a NO COMM condition, no corrective action required.
23 23 04 00	1. EICAS msg HF DATALINK displayed. 2. Replace the HF Transceiver (AMM 23-11-03/401). If the fault continues, replace the ACARS Management Unit (AMM 23-22-01/401).
23 23 07 00	1. EICAS msg DATALINK LOST displayed. 2. Total loss of datalink capability due to active ACARS being in "NO COMM" condition. The "NO COMM" condition is a normal condition if the airplane is out of range of an ACARS ground station, or if the ACARS ground network is not operationsl. If ACARS operates correctly on other airplanes at the same location, do this fault isolation procedure: FIM 23-22-00/101, Figure 103, block 1.
23 23 09 00	1. EICAS msg >DATALINK LOST displayed. 2. No corrective action is necessary.
23 23 10 00	1. EICAS msg >DATALINK SYS displayed. 2. FIM 23-22-00/101 Fig. 103, Block 1.
23 24 01 00	1. Emergency locator signal being transmitted when not selected. 2. Push the RESET switch on the front panel of the emergency locator transmitter. If the problem continues, replace the emergency locator transmitter, M1597 (AMM 23-24-01/201).
23 24 02 00	1. Emergency locator system did not test properly. 2. FIM 23-24-00/101, Fig. 103, Block 1.
23 25 01 00	1. EICAS message SATCOM displayed. 2. FIM 23-25-00/101.

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FAULT CODE	1. LOG BOOK REPORT 2. FAULT ISOLATION REFERENCE
23 25 02 00	1. EICAS message SATCOM DATALINK displayed. 2. FIM 23-22-00/101, Fig. 103, Block 1 or FIM 23-25-00/101.
23 25 03 00	1. EICAS message SATCOM VOICE displayed. 2. FIM 23-25-00/101.
23 25 04 00	1. EICAS message L SATCOM VOICE displayed. 2. FIM 23-25-00/101.
23 25 05 00	1. EICAS message R SATCOM VOICE displayed. 2. FIM 23-25-00/101.
23 31 01 00	1. One speaker (describe location) is (describe problem: noisy, inop, too loud, etc.) when PA is used. 2. FIM 23-31-00/101, Fig. 103, Block 1.
23 31 02 00	1. All speakers are (describe problem: noisy, inop, too loud, etc.) when PA is used. 2. Replace the PA amplifier, M177 (AMM 23-31-01/401).
23 31 03 --	1. PA has background noise when using (01=Capt, 04=Purser, 05=Fwd L, 06=Fwd R, 07=Mid, 08=Aft L, 09=Aft R) handset. Handset is normal. 2. Replace the audio accessory unit, M108 (AMM 23-42-01/401).
23 31 04 --	1. PA is (describe problem: noisy, inop, too loud, weak, etc.) when using (01=Capt, 02=F/O, 03=1st Obs, 04=2nd Obs) audio select panel. 2. Replace the audio selector panel, M70 (M71, M98) at the flight crew position where the problem occurs (AMM 23-51-01/401).##
23 31 05 00	1. PA is (describe problem: noisy, inop, too loud, etc.) when using handsets. PA is normal when using audio select panel. 2. Replace the audio accessory unit, M108 (AMM 23-42-01/401).
23 31 06 00	1. PA is (describe problem: noisy, inop, too loud, etc.) when using handsets or audio selector panels. 2. FIM 23-31-00/101, Fig. 103, Block 1.
23 31 07 --	1. (01=Fwd L, 02=Fwd R, 03=Aft L, 04=Aft R, 05=Mid, 07=___ Galley, 08=___ Lav, 09=___ PSU) speaker (describe problem: noisy, inop, etc.). 2. FIM 23-31-00/101, Fig. 103, Block 1.

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FAULT CODE	1. LOG BOOK REPORT 2. FAULT ISOLATION REFERENCE
23 31 08 --	1. (01=Fwd L, 02=Fwd R, 03=Aft L, 04=Aft R, 05=Mid, 06=Purser) attendant handset (describe problem: unable to talk, unable to hear, unable to key). 2. Put the handset at a different position. If the problem follows, replace the handset, B61. If the problem continues, replace the audio accessory unit, M108 (AMM 23-42-01/401).
23 31 09 00	1. Boarding music channel select not normal. 2. Replace the PA tape deck, M1523 (AMM 23-31-10/401).
23 31 10 00	1. Boarding music volume too low with engines on. 2. Replace the passenger address amplifier, M177 (AMM 23-31-01/401). If the problem continues, do a check of the circuit wiring (WDM 23-31-11, WDM 23-31-12, WDM 23-31-13, WDM 23-31-14, WDM 23-31-15, WDM 23-31-16, WDM 23-31-17).
23 31 11 00	1. Boarding music too low at max volume. 2. Replace the PA tape deck, M1523 (AMM 23-31-10/401). If the problem continues, replace the PA amplifier, M177 (AMM 23-31-01/401).
23 31 12 00	1. Boarding music volume control inop. 2. Replace the PA tape deck, M1523 (AMM 23-31-10/401). If the problem continues, replace the PA amplifier, M177 (AMM 23-31-01/401).
23 31 13 00	1. Boarding music channel _____ is (describe problem: noisy inop, etc.). 2. Replace the cassette tape in the PA tape deck. If the problem continues, replace the PA tape deck, M1523 (AMM 23-31-10/401).
23 31 14 00	1. All boarding music channels are (describe problem: noisy, inop, etc.). Pass entmt channels are normal. 2. Replace the PA amplifier, M177 (AMM 23-31-01/401). If the problem continues, replace the BRD MUSIC VOLUME switch, YBHS24 (WDM 23-31-12) on the forward attendant panel, P21 (AMM 33-22-05/401).
23 31 15 00	1. All boarding music and pass entmt channels are (describe problem: noisy, inop, etc.). 2. Replace the entertainment tape reproducer, M170 (AMM 23-34-03/201).

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FAULT CODE	1. LOG BOOK REPORT 2. FAULT ISOLATION REFERENCE
23 31 18 00	1. The (enter announcement) announcement is (describe problem: noisy, inop, etc.). 2. Replace the cassette tape in the PA tape deck. If the problem continues, replace the PA tape deck, M1523 (AMM 23-31-10/401).
23 31 19 00	1. All pre-recorded announcements are (describe problem: noisy, inop, etc.). 2. Replace the PA tape deck, M1523 (AMM 23-31-10/401). If the problem continues, replace the PA amplifier, M177 (AMM 23-31-01/401).
23 31 20 00	1. Boarding music plays too (fast, slow). 2. Clean the tape deck pinch rollers and the tape heads. If the problem continues, replace the cassette tape in the PA tape deck. If the problem continues, replace the PA tape deck, M1523 (AMM 23-31-10/401).
23 31 21 --	1. PA has no sidetone when using (01=Capt, 02=F/O, 03=1st Obs) audio selector panel. 2. Replace the audio selector panel, M70 (M71, M98) at the flight crew position where the problem occurs (AMM 23-51-01/401).
23 31 22 00	1. PA has no sidetone when using any audio selector panel. 2. Replace the PA amplifier, M177 (AMM 23-31-01/401).
23 31 31 00	1. Purser PA microphone is inop. 2. Replace the purser PA microphone. If the problem continues, replace the PA switching card, M1635 (AMM 23-31-11/401).
23 31 32 00	1. Purser PA control is inoperative when selecting individual cabin sections. 2. Replace the PA switching cards, M1634 and M1635 (AMM 23-31-11/401). If the problem continues, replace the zone select switch on the purser panel (WDM 23-31-13).
23 31 33 00	1. Purser PA control is inoperative when selecting all cabin sections. 2. Replace the zone select switch on the purser panel (WDM 23-31-13). If the problem continues, replace the audio accessory unit, M108 (AMM 23-42-01/401).

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FAULT CODE	1. LOG BOOK REPORT 2. FAULT ISOLATION REFERENCE
23 32 04 --	1. (01=VTR 1, 02=VTR 2, 03=VTR 3, 10=All) video sound tracks are (describe problem: noisy, too low, bleed thru, etc.) all seats and on PA. Proj normal. 2. (01=VTR 1, 02=VTR 2, 03=VTR 3) replace the video cassette tape. If the problem continues, replace the video tape reproducer, M1108 (M1059, M1613) (AMM 23-32-01/401). If the problem continues, replace the control distribution unit, M815 (AMM 23-32-03/401). (10=All) replace the control distribution unit, M815 (AMM 23-32-03/401).
23 32 06 --	1. (01=VTR 1, 02=VTR 2, 03=VTR 3, 10=All) video sound tracks are (describe problem: noisy, too low, bleed thru, etc.) all seats. They are normal on PA. 2. Replace the control distribution unit, M815 (AMM 23-32-03/401).
23 32 07 --	1. (04=Proj, 05=Monitor 1, 06=Monitor 2, 07=Monitor 3, 08=Monitor 4, 09=Monitor 5) zone video picture is blank. Sound is normal. 2. Tell "TRANSCOM" about the problem.
23 32 08 --	1. (04=Proj, 05=Monitor 1, 06=Monitor 2, 07=Monitor 3, 08=Monitor 4, 09=Monitor 5) zone video picture is out of focus. 2. Tell "TRANSCOM" about the problem.
23 32 09 --	1. (04=Proj, 05=Monitor 1, 06=Monitor 2, 07=Monitor 3, 08=Monitor 4, 09=Monitor 5) zone video picture tint not normal (Describe). 2. Tell "TRANSCOM" about the problem.
23 32 10 --	1. (04=Proj, 05=Monitor 1, 06=Monitor 2, 07=Monitor 3, 08=Monitor 4, 09=Monitor 5) zone video picture is too (dark, light). 2. Tell "TRANSCOM" about the problem.
23 32 11 --	1. (04=Proj, 05=Monitor 1, 06=Monitor 2, 07=Monitor 3, 08=Monitor 4, 09=Monitor 5) zone video picture(s) (has horiz hold problem, rolls, flickers). 2. Tell "TRANSCOM" about the problem.
23 32 12 --	1. (01=VTR 1, 02=VTR 2, 03=VTR 3) Video sound channel (inop, garbled, etc.) on PA. 2. Replace the video tape reproducer, M1108 (M1059, M1613) (AMM 23-32-01/401). If the problem continues, replace the control distribution unit, M815 (AMM 23-32-03/401).

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FAULT CODE	1. LOG BOOK REPORT 2. FAULT ISOLATION REFERENCE
23 32 13 --	1. (O1=VTR 1, O2=VTR 2, O3=VTR 3, 1O=All) Video sound channel(s) (too low, high, garbled, inop, etc.) on PA. 2. (O1=VTR 1, O2=VTR 2, O3=VTR 3) replace the video tape reproducer, M1108 (MO159, M1613) (AMM 23-32-01/401). If the problem continues, replace the control distribution unit, M815 (AMM 23-32-03/401). (1O=All) replace the control distribution unit, M815 (AMM 23-32-03/401). If the problem continues, replace the PA amplifier, M177 (AMM 23-31-01/401).
23 32 15 --	1. (O1=VTR 1, O2=VTR 2, O3=VTR 3) video tape reproducer will not play tape. 2. Make sure the cassette tape is correctly wound. If the problem continues, replace the video cassette. If the problem continues, replace the video tape reproducer, M1108 (M1059, M1613) (AMM 23-32-01/401).
23 32 16 --	1. (O1=VTR 1, O2=VTR 2, O3=VTR 3) video tape reproducer tape stops during movie. 2. Replace the video cassette tape. If the problem continues, replace the video tape reproducer, M1108 (M1059, M1613) (AMM 23-32-01/401).
23 32 17 --	1. (O1=VTR 1, O2=VTR 2, O3=VTR 3) video tape reproducer stuck in fast forward. 2. Replace the video tape reproducer, M1108 (M1059, M1613) (AMM 23-32-01/401).
23 32 18 --	1. (O1=VTR 1, O2=VTR 2, O3=VTR 3) video tape reproducer will not eject tape. 2. Replace the video tape reproducer, M1108 (M1059, M1613) (AMM 23-32-01/401).
23 32 19 --	1. Unable to get power on (O1=VTR 1, O2=VTR 2, O3=VTR 3). VIDEO ON lgt did not illum. 2. Tell "TRANSCOM" about the problem.
23 32 20 --	1. Lgt bulb inop on (O1=VTR 1, O2=VTR 2, O3=VTR 3) control. 2. Tell "TRANSCOM" about the problem.
23 32 42 00	1. Passenger Flight Information Display System is inop. 2. Replace the digital interface unit, M1457 (AMM 23-32-07/401).
23 32 43 00	1. (Identify location). Video picture is blank. 2. Tell "TRANSCOM" about the problem.

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FAULT CODE	1. LOG BOOK REPORT 2. FAULT ISOLATION REFERENCE
23 32 44 --	1. (01=Fwd, 02=Mid, 03=Aft, 06=All) area video pictures are blank. 2. Replace the system control unit, M815 (AMM 23-32-03/401).
23 32 45 00	1. (Identify location). Video picture is out of focus. 2. Tell "TRANSCOM" about the problem.
23 32 46 00	1. (Identify location). Video picture is too (dark, light). 2. Tell "TRANSCOM" about the problem.
23 32 47 00	1. (Identify location) video picture tint not normal. 2.
23 32 48 00	1. Video control unit class key inop. 2. Replace the system control unit, M815 (AMM 23-32-03/401).
23 32 49 --	1. (04=VTR 1, 05=VTR 2) video tape reproducer area (F,C,M) using (primary, secondary) audio channel (inop, garbled, etc.) on PA. 2. Replace the video tape reproducer, M1108 (M1059) (AMM 23-32-01/401). If the problem continues, replace the system control unit, M815 (AMM 23-32-03/401).
23 32 50 --	1. (04=VTR 1, 05=VTR 2) video tape reproducer both audio channels (too low, high, garbled, inop, etc.) on PA. 2.
23 32 51 00	1. Preview monitor inop when viewing VTR's with preview key. 2. Replace the system control unit, M815 (AMM 23-32-03/401).
23 32 52 00	1. Video control unit status key inop. 2. Replace the system control unit, M815 (AMM 23-32-03/401).
23 32 53 00	1. Tape reproducer selection inop. 2. Replace the system control unit, M815 (AMM 23-32-03/401).
23 32 54 --	1. (04=VTR 1, 05=VTR 2) will not play tape. 2. Replace the video tape reproducer, M1108 (M1059) (AMM 23-32-01/401).
23 32 55 --	1. (04=VTR 1, 05=VTR 2) has no power. 2. Replace the video tape reproducer, M1108 (M1059) (AMM 23-32-01/401). If the problem continues, replace the system control unit, M815 (AMM 23-32-02/401).

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FAULT CODE	1. LOG BOOK REPORT 2. FAULT ISOLATION REFERENCE
23 32 56 --	1. (04=VTR 1, 05=VTR 2) tracking inop. 2. Replace the video tape reproducer, M1108 (M1059) (AMM 23-32-01/401).
23 32 57 --	1. (04=VTR 1, 05=VTR 2) will not eject tape. 2. Replace the video tape reproducer, M1108 (M1059) (AMM 23-32-01/401).
23 32 58 --	1. (04=VTR 1, 05=VTR 2) programming inop. 2. Replace the video tape reproducer, M1108 (M1059) (AMM 23-32-01/401).
23 32 59 --	1. (04=VTR 1, 05=VTR 2) (FF, REW) stuck or inop. 2. Replace the video tape reproducer, M1108 (M1059) (AMM 23-32-01/401).
23 32 60 --	1. (04=VTR 1, 05=VTR 2) video sound channels are (describe problem: noisy, too low, inop, etc.) all seats. Normal on PA. 2. Replace the system control unit, M815 (AMM 23-32-03/401).
23 32 61 --	1. (04=VTR 1, 05=VTR 2) video sound channels (describe problem: noisy, too low, inop, etc.) all seats and on PA. 2. Replace the video cassette tape. If the problem continues, replace the video tape reproducer, M1108 (M1059) (AMM 23-32-01/401). If the problem continues, replace the system control unit, M815 (AMM 23-32-03/401).
23 32 62 00	1. Master power sw inop on video system control unit. 2. Replace the system control unit, M815 (AMM 23-32-03/401).
23 34 01 --	1. (01=Fwd, 13=Aft) master attendant call reset not normal. 2. FIM 23-34-00/101, Fig. 104, Block 1.
23 34 02 00	1. Attendant call lgt will not reset at seat ____. 2. Replace the passenger control unit at the affected seat (AMM 23-34-05/401). If the problem continues, replace the seat electronics box, M915 (AMM 23-34-04/401).
23 34 03 --	1. (02=Fwd L, 04=Fwd R, 09=Mid Fwd L, 10=Mid Fwd R, 11=Mid Aft L, 12=Mid Aft R, 14=Aft Fwd L, 15=Aft Fwd R , 16=Aft Mid L, 17=Aft Mid R, 18=Aft L, 20=Aft R) BLUE call lgts inop. 2. FIM 23-34-00/101, Fig. 104, Block 1.

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FAULT CODE	1. LOG BOOK REPORT 2. FAULT ISOLATION REFERENCE
23 34 04 --	1. (02=Fwd L, 04=Fwd R, 06=Mid L, 08=Mid R, 18=Aft L, 20=Aft R) attendant call lgts blink. Chime sounds without moving switch. 2. FIM 23-34-00/101, Fig. 104, Block 1.
23 34 07 00	1. Pass entmt volume control (describe problem: unable to adjust volume, too sensitive, etc.) at seat _____. 2. Replace the PCU (AMM 23-34-05/401).
23 34 08 --	1. (02=Fwd L, 03= Fwd C, 06=Mid L, 08=Mid R, 18=Aft L, 20=Aft R) attendant call chime(s) inop when calling from seat _____. Call lgts are normal. 2. (02=Fwd L, 03=Fwd C) replace the electronic chime, B139 (B144) at the position where the problem occurs (AMM 23-42-04/401). If the problem continues, replace the Fwd column timer decoder, M1319 (AMM 23-34-07/401). (06=Mid L, 08=Mid R) replace the electronic chime, B145 (B146) at the position where the problem occurs (AMM 23-42-04/401). If the problem continues, replace the Mid column timer decoder, M1320 (AMM 23-34-07/401). (18=Aft L, 20=Aft R) replace the electronic chime, B147 (B148) at the position where the problem occurs (AMM 23-42-04/401). If the problem continues, replace the Aft column timer decoder, M1306 (AMM 23-34-07/401).
23 34 10 --	1. (02=Fwd L, 04=Fwd R, 06=Mid L, 08=Mid R, 18=Aft L, 20=Aft R) attendant call lgts blink. Chime doesn't sound. 2. FIM 23-34-00/101, Fig. 104, Block 1.
23 34 11 00	1. Attendant call lgt & chime inop from seat ___. 2. FIM 23-34-00/101, Fig. 104, Block 1.
23 34 12 --	1. In (02=Fwd L, 03=Fwd C, 04=Fwd R, 06=Mid L, 07=Mid C, 08=Mid R 18=Aft L, 19=Aft C, 20=Aft R) column, attendant call from row ____ inop. Chime fails to sound. 2. FIM 23-34-00/101, Fig. 104, Block 1.
23 34 13 --	1. In (02=Fwd L, 03=Fwd C, 04=Fwd R, 06=Mid L, 07=Mid C, 08=Mid R, 18=Aft L, 19=Aft C, 20=Aft R) column, attendant call lgt for row ____ and aft inop. Chime fails to sound. 2. FIM 23-34-00/101, Fig. 104, Block 1.
23 34 14 --	1. (02=Fwd L, 03=Fwd C, 04=Fwd R, 06=Mid L, 07=Mid C, 08=Mid R, 18=Aft L, 19=Aft C, 20=Aft R) column attendant call lgts inop. Chime fails to sound. 2. FIM 23-34-00/101, Fig. 104, Block 1.

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FAULT CODE	1. LOG BOOK REPORT 2. FAULT ISOLATION REFERENCE
23 34 15 --	1. (01=Fwd, 05=Mid, 13=Aft) section attendant call lgts inop. Chime fails to sound. 2. FIM 23-34-00/101, Fig. 104, Block 1.
23 34 16 00	1. Cabin chime sounds intermittently. 2. FIM 23-34-00/101, Fig. 103, Block 1.
23 34 17 00	1. Pass entmt channel select (describe problem: unable to change channels, etc.) at seat ___. 2. FIM 23-34-00/101, Fig. 104, Block 1.
23 34 18 00	1. Pass entmt channel sel (describe problem: unable to change channels, etc.) at row ___. 2. FIM 23-34-00/101, Fig. 104, Block 1.
23 34 19 00	1. Pass entmt (describe problem: noisy, inop, etc.) at seat ___. 2. FIM 23-34-00/101, Fig. 104, Block 1.
23 34 20 00	1. Pass entmt (describe problem: noisy, inop, etc.) at row ___. 2. FIM 23-34-00/101, Fig. 104, Block 1.
23 34 21 --	1. Pass entmt (describe problem: noisy, inop, etc.) aft of row ___ in (02=Fwd L, 03=Fwd C, 04=Fwd R, 06=Mid L, 07=Mid C, 08=Mid R, 10=Aft L, 11=Aft C, 12=Aft R, 13=All) sections. 2. FIM 23-34-00/101, Fig. 104, Block 1.
23 34 22 --	1. (02=Fwd L, 03=Fwd C, 04=Fwd R, 06=Mid L, 07=Mid C, 08=Mid R, 10=Aft L, 11=Aft C, 12=Aft R, 13=All) column pass entmt sections (describe problem: noisy, inop, etc.). 2. FIM 23-34-00/101, Fig. 104, Block 1.
23 34 23 --	1. (01=Fwd, 05=Mid, 09=Aft) section pass entmt (describe problem: noisy, inop, etc.). 2. FIM 23-34-00/101, Fig. 104, Block 1.
23 34 24 00	1. Pass entmt channel ___ (describe problem: noisy, inop, etc.). 2. FIM 23-34-00/101, Fig. 104, Block 1.
23 34 25 00	1. All pass entmt channels (describe problem: noisy, inop, etc.) at all seats. Boarding music normal on PA. 2. FIM 23-34-00/101, Fig. 104, Block 1.

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FAULT CODE	1. LOG BOOK REPORT 2. FAULT ISOLATION REFERENCE
23 34 26 00	1. All pass entmt channels (describe problem: noisy, inop, etc.) at all seats. Boarding music on PA also, (Describe problem noisy, inop, etc.). 2. Replace the entertainment tape reproducer, M170 (AMM 23-34-03/201).
23 34 27 --	1. (02=Fwd L, 03=Fwd C, 04=Fwd R, 06=Aft C, 08=Aft R) column reading lgts blink (Ref Chapter 33 for fault code diagrams). 2. FIM 23-34-00/101, Fig. 104, Block 1.
23 34 28 --	1. Master reading lgt switch fails to illum lgts in (01=Fwd, 05=Aft) section (Ref Chapter 33 for fault code diagrams). 2. Replace the Fwd (Aft) column timer decoder, M297 (M298) (AMM 23-34-07/401).
23 34 29 00	1. Master reading lgt switch fails to illum lgts in both sections (Ref Chapter 33 for fault code diagrams). 2. FIM 23-34-00/101, Fig. 104, Block 1.
23 34 30 00	1. Reading lgt at seat ____ inop with seat switch. Master switch is normal (Ref Chapter 33 for fault code diagrams). 2. FIM 23-34-00/101, Fig. 104, Block 1.
23 34 31 00	1. Reading lgt at seat ____ inop with both seat switch and master switch (Ref Chapter 33 for fault code diagrams). 2. FIM 23-34-00/101, Fig. 104, Block 1.
23 34 32 --	1. In (02=Fwd L, 03=Fwd C, 04=Fwd R, 06=Aft L, 07=Aft C, 08=Aft R) column, reading lgts in row ____ inop with seat switches. Master switch is normal (Ref Chapter 33 for fault code diagrams). 2. FIM 23-34-00/101, Fig. 104, Block 1.
23 34 33 --	1. In (02=Fwd L, 03=Fwd C, 04=Fwd R, 06=Aft L, 07=Aft C, 08=Aft R) column, reading lgts in row ____ inop with seat switches and master switch (Ref Chapter 33 for fault code diagrams). 2. FIM 23-34-00/101, Fig. 104, Block 1.
23 34 34 --	1. In (02=Fwd L, 03=Fwd C, 04=Fwd R, 06=Aft L, 07=Aft C, 08=Aft R) column, reading lgts in row ____ and aft inop with seat switches. Master switch is normal (Ref Chapter 33 for fault code diagram). 2. FIM 23-34-00/101, Fig. 104, Block 1.

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FAULT CODE	1. LOG BOOK REPORT 2. FAULT ISOLATION REFERENCE
23 34 35 --	1. In (O2=Fwd L, O3=Fwd C, O4=Fwd R, O6=Aft L, O7=Aft C, O8=Aft R) column, reading lgts in row ____ and aft inop with seat switches and master switch (Ref Chapter 33 for fault code diagram). 2. FIM 23-34-00/101, Fig. 104, Block 1.
23 34 36 --	1. In (O2=Fwd L, O3=Fwd C, O4=Fwd R, O6=Aft L, O7=Aft C, O8=Aft R) column, all reading lgts inop with seat switches. Master switch is normal (Ref Chapter 33 for fault code diagram). 2. FIM 23-34-00/101, Fig. 104, Block 1.
23 34 37 --	1. In (O2=Fwd L, O3=Fwd C, O4=Fwd R, O6=Aft L, O7=Aft C, O8=Aft R) column, all reading lgts inop with seat switches and master switch (Ref Chapter 33 for fault code diagram). 2. FIM 23-34-00/101, Fig. 104, Block 1.
23 34 38 --	1. Reading lgts in (O1=Fwd, O5=Aft) section inop with seat switches. Master switch is normal (Ref Chapter 33 for fault code diagram). 2. Replace the Fwd (Aft) column timer decoder, M297 (M298) (AMM 23-34-07/401).
23 34 39 --	1. Reading lgts in (O1=Fwd, O5=Aft) section inop with seat switches and master switch (Ref Chapter 33 for fault code diagram). 2. Replace the Fwd (Aft) column timer decoder, M297 (M298) (AMM 23-34-07/401).
23 34 41 00	1. Attendant call lgt in PSU inop at seat ____. 2. FIM 23-34-00/101, Fig. 104, Block 1.
23 34 42 --	1. (O2=Fwd L, O4=Fwd R, O5=Mid L, O8=Mid R, 18=Aft L, 20=Aft R) blue call lgts remain illum with no call lgts illum in PSU. MSTR call reset will reset lgts. 2. FIM 23-34-00/101, Fig. 104, Block 1.
23 34 43 00	1. Entertainment tape plays too (fast, slow). 2. Replace the entertainment tape reproducer, M170 (AMM 23-34-03/201).
23 34 46 --	1. (O1=Fwd, 15=Aft) master attendant call reset not normal. 2. FIM 23-34-00/101, Fig. 104, Block 1.

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FAULT CODE	1. LOG BOOK REPORT 2. FAULT ISOLATION REFERENCE
23 34 47 --	1. (O2=Fwd L, O4=Fwd R, O9=Mid Fwd L, 1O=Mid Fwd R, 11=Mid Ctr L, 12=Mid Ctr R, 13=Mid Aft L, 14=Mid Aft R, 16=Aft L, 17=Aft R) attendant call lgts blink. Chime sounds. 2. FIM 23-34-OO/1O1, Fig. 1O4, Block 1.
23 34 48 --	1. (O2=Fwd L, O4=Fwd R, O9=Mid Fwd L, 1O=Mid Fwd R, 11=Mid Ctr L, 12=Mid Ctr R, 13=Mid Aft L, 14=Mid Aft R, 16=Aft L, 17=Aft R) attendant call lgts blink. Chime doesn't sound. 2. FIM 23-34-OO/1O1, Fig. 1O4, Block 1.
23 34 49 --	1. (O2=Fwd L, O4=Fwd R, O9=Mid Fwd L, 1O=Mid Fwd R, 11=Mid Ctr L, 12=Mid Ctr R, 13=Mid Aft L, 14=Mid Aft R, 16=Aft L, 17=Aft R) blue call lgt(s) inop. 2. FIM 23-34-OO/1O1, Fig. 1O4, Block 1.
23 34 50 --	1. (O1=Fwd, O5=Mid, 15=Aft) blue call lgts remain illum with no call lgts illum in PSU. MSTR call reset will reset lgts. 2. FIM 23-34-OO/1O1, Fig. 1O4, Block 1.
23 34 51 --	1. (O2=Fwd L, O3=Fwd C, O6=Mid L, O8=Mid R, 16=Aft L, 18=Aft R) attendant call chime(s) inop when calling from seat _____. Call lgts are normal. 2. (O2=Fwd L, O3=Fwd C) replace the electronic chime, B139 (B144) at the position where the problem occurs (AMM 23-42-O4/4O1). If the problem continues, replace the Fwd column timer decoder, M1319 (AMM 23-34-O7/4O1). (O6=Mid L, O8=Mid R) replace the electronic chime, B145 (B146) at the position where the problem occurs (AMM 23-42-O4/4O1). If the problem continues, replace the Mid column timer decoder, M132O (AMM 23-34-O7/4O1). (16=Aft L, 18=Aft R) replace the electronic chime, B147 (B148) at the position where the problem occurs (AMM 23-42-O4/4O1). If the problem continues, replace the Aft column timer decoder, M13O6 (AMM 23-34-O7/4O1).
23 34 52 --	1. (O2=Fwd L, O3=Fwd C, O6=Mid L, O8=Mid R, 16=Aft L, 18=Aft R) cabin chime sounds intermittently. 2. FIM 23-34-OO/1O1, Fig. 1O4, Block 1.
23 34 53 --	1. In (O2=Fwd L, O3=Fwd C, O4=Fwd R, O6=Mid L, O7=Mid C, O8=Mid R, 16=Aft L, 17=Aft C, 18=Aft R) column, attendant call lgt for row ___ and aft inop. Chime fails to sound. 2. FIM 23-34-OO/1O1, Fig. 1O4, Block 1.

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FAULT CODE	1. LOG BOOK REPORT 2. FAULT ISOLATION REFERENCE
23 34 54 --	1. (O2=Fwd L, O3=Fwd C, O4=Fwd R, O6=Mid L, O7=Mid C, O8=Mid R, 16=Aft L, 17=Aft C, 18=Aft R) column attendant call lgts inop. Chime fails to sound. 2. FIM 23-34-00/101, Fig. 104, Block 1.
23 34 55 --	1. (O1=Fwd, O5=Mid, 15=Aft) section attendant call lgts inop. Chime fails to sound. 2. FIM 23-34-00/101, Fig. 104, Block 1.
23 34 56 --	1. In (O2=Fwd L, O3=Fwd C, O4=Fwd R, O6=Mid L, O7=Mid C, O8=Mid R, 16=Aft L, 17=Aft C, 18=Aft R) column, attendant call lgt for row ___ inop. Chime fails to sound. 2. Replace the seat electronic box, M915 (AMM 23-34-04/401) in the seat row where the problme occurs.
23 41 01 --	1. (O5=Aft Cargo, O6=Main E/E Headset, O7=Main E/E Phone, O8=Main E/E Mic, O9=Fwd Cargo, 10=Weather Radar, 11=Nose W/W, 12=Fueling, 13=Jackscrew, 14=APU Shroud, 15=R W/W) service jack (describe problem: noisy, inop, etc.). 2. Replace the jack at the position where the problem occurs (WDM 23-41-11).
23 41 02 00	1. Comm from service inph jacks (describe problem: noisy, inop, no sidetone, etc.) using any audio selector panel. 2. Replace the audio accessory unit, M108 (AMM 23-42-01/401).
23 41 03 00	1. Unable to receive transmission from service inph external jacks. SERV INTPH switch is ON. 2. Replace the audio accessory unit, M108 (AMM 23-42-01/401). If the problem continues, replace the flight recorder control panel, M33 (bad service interphone switch) (AMM 31-31-04/401).

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FAULT CODE	1. LOG BOOK REPORT 2. FAULT ISOLATION REFERENCE
23 41 04 --	1. Comm on service inph (describe problem: noisy, inop, no sidetone, etc.) from (01=Capt, 02=F/O, 03=1st Obs) audio selector panel. Norm from other crew pos. 2. Replace the audio selector panel, M70 (M71, M8, M98) at the flight crew position where the problem occurs (AMM 23-51-01/401).
23 42 02 --	1. (01=Fwd, 08=Mid, 12=Aft, 19=All) attendant's pink call lights inop. Chime does sound. 2. (01=Fwd, 08=Mid, 12=Aft) replace the attendant's pink call light (FIM 33-25-00/101, Fig. 103, Block 1). (19=All) replace the audio accessory unit, M108 (AMM 23-42-01/401).
23 42 03 --	1. Alert call from (02=Fwd L, 04=Fwd R, 08=Mid, 09=Mid L, 15=Aft L, 16=Aft R, 17=Purser, 18=Cockpit, 19=All) station(s) fails to sound chime. Attendant's pink call lgts illum. 2. Replace the passenger address amplifier, M177 (AMM 23-31-01/401). If the problem continues, replace the audio accessory unit, M108 (AMM 23-42-01/401).
23 42 04 --	1. Alert call from (02=Fwd L, 04=Fwd R, 08=Mid, 09=Mid L, 15=Aft L, 16=Aft R, 17=Purser, 18=Cockpit, 19=All) station(s) fails to sound chime and illum attendant's pink call lgts. 2. Replace the audio accessory unit, M108 (AMM 23-42-01/401). If the problem continues, replace the handset, B61 at the position where the problem occurs (WDM 23-42-11).
23 42 05 --	1. (01=Fwd, 08=Mid, 12=Aft) attendant call from cockpit overhead cabin call button fails to sound chime. Attendant's pink call lgts are normal. 2. Replace the electronic chime, B139 (B144-148) at the position where the problem occurs (AMM 23-42-04/401). If the problem continues, replace the audio accessory unit, M108 (AMM 23-42-01/401).
23 42 07 --	1. (01=Fwd, 08=Mid, 12=Aft) attendant call from cockpit overhead cabin call button fails to sound chime and illum attendant's pink call lights. 2. FIM 23-42-00/101, Fig. 103, Block 1.

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FAULT CODE	1. LOG BOOK REPORT 2. FAULT ISOLATION REFERENCE
23 42 08 --	1. Cabin inph (describe problem: noisy, inop, etc.) when using (01=Capt, 02=F/O, 03=1st Obs, 04=2nd Obs) audio selector panel. Cabin inph normal using handsets. 2. Replace the audio selector panel, M70 (M71, M98) at the flight crew position where the problem occurs (AMM 23-51-01/401).
23 42 09 00	1. Cabin inph (describe problem: noisy, inop, etc.) when using audio selector panels. Cabin inph normal when using handsets. 2. Replace the audio accessory unit, M108 (AMM 23-42-01/401).
23 42 10 --	1. Cabin inph (describe problem: noisy, inop, etc.) when using (01=Capt, 04=Fwd L, 05=Fwd R, 06=Mid L, 07=Aft L, 08=Aft R, 09=Purser) handset. 2. Put the handset at a different position. If the problem follows, replace the defective handset, B61 (WDM 23-42-11). If the problem does not follow, replace the audio accessory unit, M108 (AMM 23-42-01/401).
23 42 11 00	1. Cabin inph (describe problem: noisy, inop, etc.) when using any handset. 2. Replace the audio accessory unit, M108 (AMM 23-42-01/401).
23 42 12 --	1. Call from corresponding attendants station(s) fail(s) to illum (01=Fwd, 08=Mid, 12=Aft, 18=Alert, 19=All) CABIN CALL lgt. Cockpit chime normal. 2. (01=Fwd, 08=Mid, 12=Aft, 18=Alert) replace the CABIN CALL switchlight (WDM 23-42-11). If the problem continues, replace the pilots' call panel, M51 (AMM 23-42-02/401). If the problem continues, replace the audio accessory unit, M108 (AMM 23-42-01/401). (19=All) replace the audio accessory unit, M108 (AMM 23-42-01/401).
23 42 13 --	1. Call from (02=Fwd L, 05=Fwd R, 08=Mid, 09=Mid L, 15=Aft L, 16=Aft R, 17=Purser, 19=All) attendant(s) station(s) fail(s) to sound cockpit chime. Corresponding CABIN CALL lgt(s) are normal. 2. Replace the bell chime aural warning module, M1000 (AMM 31-51-04/401). If the problem continues, replace the audio accessory unit, M108 (AMM 23-42-01/401).

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FAULT CODE	1. LOG BOOK REPORT 2. FAULT ISOLATION REFERENCE
23 42 14 --	1. Call from (02=Fwd L, 05=Fwd R, 08=Mid, 09=Mid L, 15=Aft L, 16=Aft R, 17=Purser, 19=All) attendants station(s) fail(s)to sound cockpit chime or illum corresponding CABIN CALLlgt(s). 2. (02=Fwd L, 05=Fwd R, 08=Mid, 09=Mid L, 15=Aft L, 16=Aft R, 17=Purser) replace the handset, B61 that you used to make the call (WDM 23-42-11). If the problem continues, replace the audio accessory unit, M108 (AMM 23-42-01/401). (19=All) replace the audio accessory unit, M108 (AMM 23-42-01/401).
23 42 15 00	1. Cockpit handset (describe problem: noisy, unable to talk, etc.). 2. Replace the handset, B61 (WDM 23-42-11).
23 42 16 --	1. (02=Fwd L, 03=Fwd C, 04=Fwd Ctr R, 05=Fwd R, 06=Fwd Aft L, 07=Fwd Aft R, 09=Mid L, 10=Mid C, 11=Mid R, 13=Aft Fwd L, 14=Aft Fwd R, 15=Aft L, 16=Aft R, 17=Purser, 19=All) attendant pink call lgt(s) inop when calling from handsets. Chime does sound. 2. Replace the attendant's pink call light at the position where the problem occurs (FIM 33-25-00/101, Fig. 103, Block 1). If the problem continues, replace the audio accessory unit, M108 (AMM 23-42-01/401). (19=All) replace the audio accessory unit, M108 (AMM 23-42-01/401).
23 42 17 --	1. (02=Fwd L, 03=Fwd C, 09=Mid L, 11=Mid R, 15=Aft L, 16=Aft R, 17=Purser, 19=All) cabin chime(s) and call lgts inop when calling from handsets. 2. (02=Fwd L, 03=Fwd C, 09=Mid L, 11=Mid R, 15=Aft L, 16=Aft R, 17=Purser) FIM 23-42-00/101, Fig. 103, Block 1. (19=All) replace the audio accessory unit, M108 (AMM 23-42-01/401).

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FAULT CODE	1. LOG BOOK REPORT 2. FAULT ISOLATION REFERENCE
23 42 19 --	1. (01=Fwd, 02=Fwd L, 03=Fwd C, 08=Mid, 09=Mid L, 11=Mid R, 12=Aft, 15=Aft L, 16=Aft R, 17=Purser, 19=All) cabin chime(s) sound is weak. 2. (01=Fwd, 02=Fwd L, 03=Fwd C, 08=Mid, 09=Mid L, 11=Mid R, 12=Aft, 15=Aft L, 16=Aft R, 17=Purser) replace the electronic chime, B139 (B144-148, B376) at the position where the problem occurs (AMM 23-42-04/401). (19=All) replace the audio accessory unit, M108 (AMM 23-42-01/401).
23 42 21 --	1. (02=Fwd L, 03=Fwd C, 04=Fwd R, 05=Fwd Ctr R, 06=Fwd Aft L, 07=Fwd Aft R, 09=Mid L, 10=Mid C, 11=Mid R, 13=Aft Fwd L, 14=Aft Fwd R, 15=Aft L, 16=Aft R, 17=Purser) attendant's pink call lgt inop. 2. Replace the attendant's pink call light at the position where the problem occurs (FIM 33-25-00/101, Fig. 103, Block 1).
23 42 22 00	1. Cabin chime sounds intermittently for no reason. Call lgts did not illum and chime would not reset. 2. Replace the audio accessory unit, M108 (AMM 23-42-01/401). If the problem continues, replace the electronic chime, B139 (B144-148) (AMM 23-42-04/401).
23 42 23 --	1. (02=Fwd L, 03=Fwd C, 09=Mid L, 11=Mid R, 15=Aft L, 16=Aft R, 17=Purser, 19=All) cabin chime(s) inop when calling from handsets. Call lgts do illum. 2. (02=Fwd L, 03=Fwd C, 09=Mid L, 11=Mid R, 15=Aft L, 16=Aft R, 17=Purser) replace the electronic chime, B139 (B144-148, B376) at the position where the problem occurs (AMM 23-42-04/401). If the problem continues, replace the audio accessory unit, M108 (AMM 23-42-01/401). (19=All) replace the audio accessory unit, M108 (AMM 23-42-01/401).
23 43 01 00	1. Call from Nose W/W fails to sound cockpit chime. GND CALL lgt ON. 2. Replace the bell chime aural warning module, M1000 (AMM 31-51-04/401). If the problem continues, replace the audio accessory unit, M108 (AMM 23-42-01/401).

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FAULT CODE	1. LOG BOOK REPORT 2. FAULT ISOLATION REFERENCE
23 43 02 00	1. Call from Nose W/W fails to illum GND CALL lgt and sound cockpit chime. 2. Replace the FLIGHT DECK CALL switch, S426 on the APU remote control panel (WDM 23-43-11). If the problem continues, replace the pilots' call panel, M51 (AMM 23-42-02/401).
23 43 03 00	1. Call from Nose W/W fails to illum GND CALL lgt. Cockpit chime normal. 2. Replace the GND CALL switchlight on the pilots' call panel, M51 (WDM 23-43-11). If the problem continues, replace the pilots' call panel, M51 (AMM 23-42-02/401).
23 43 04 00	1. Ground crew call horn sounds continuously. Related systems in normal configuration. 2. FIM 23-43-00/101, Fig. 104, Block 1.
23 43 05 00	1. Equipment cooling failure indicated by EICAS display. Ground crew call horn fails to sound. 2. FIM 23-43-00/101, Fig. 105, Block 1.
23 43 06 00	1. Ground crew call horn fails to sound when GND CALL switch is depressed. 2. Replace the ground crew call horn, B60 (AMM 23-43-01/401). If the problem continues, replace the pilots' call panel, M51 (AMM 23-42-02/401).
23 43 07 00	1. Ground crew call horn sounding. L and R main DC buses not powered. Inertial reference mode panel switches (L, Ctr, or R) not set to OFF. 2. Put all the inertial reference mode panel switches on the P5 panel to the OFF position.
23 43 08 00	1. Ground crew call horn fails to sound. L and R main DC buses not powered. Inertial reference mode panel switches (L, Ctr or R) not set to OFF. 2. FIM 23-43-00/101, Fig. 105, Block 1.
23 43 09 00	1. GND CALL switch on pilots' call panel stuck in depressed position. 2. Replace the pilots' call panel, M51 (AMM 23-42-02/401).
23 51 01 --	1. (01=Capt, 02=F/O) speaker (describe problem: low, noisy, etc.). 2. Replace the interphone speaker, B1 (B2) at the flight crew position where the problem occurs (AMM 23-51-02/401).

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FAULT CODE	1. LOG BOOK REPORT 2. FAULT ISOLATION REFERENCE
23 51 03 --	1. (01=Capt, 02=F/O, 03=1st Obs, 04=2nd Obs) headset (describe problem: noisy, unable to hear, etc.). 2. Replace the headset (WDM 23-51-11, WDM 23-51-21, WDM 23-51-41)
23 51 04 --	1. (01=Capt, 02=F/O, 03=1st Obs) hand mic unsatisfactory. 2. Replace the hand mic (WDM 23-51-11, WDM 23-51-21, WDM 23-51-41).
23 51 05 --	1. (01=Capt, 02=F/O, 03=1st Obs) boom mic unsatisfactory. 2. Replace the boom mic (WDM 23-51-11, WDM 23-51-21, WDM 23-51-41).
23 51 06 --	1. (01=Capt, 02=F/O, 03=1st Obs) oxy mask mic unsatisfactory. 2. Replace the oxygen mask (WDM 23-51-11, WDM 23-51-21, WDM 23-51-41).
23 51 09 08	1. Xmission is (inop, weak, intermittent, etc.) using 1st Obs PTT. 2. Replace the 1st Obs audio selector panel, M98 (AMM 23-51-01/401).
23 51 10 --	1. Xmission is (inop, weak, intermittent, etc.) using (06=Capt, 07=F/O) control wheel PTT sw. Other pilot PTT sw norm. 2. Replace the audio selector panel, M70 (M71) at the flight crew position where the problem occurs (AMM 23-51-01/401). If the problem continues, replace the Capt (F/O) control wheel PTT switch, S550 (S552) (AMM 23-51-03/401).
23 51 12 --	1. Xmission from any crew position on (01=L VHF, 02=R VHF, 03=C VHF, 04=L HF, 05=R HF) comm not norm. (Describe). 2. (01=L VHF, 02=R VHF, 03=C VHF) replace the VHF comm transceiver, M188 (M189, M190) (AMM 23-12-01/401). (04=L HF, 05=R HF) replace the HF comm transceiver, M152 (M153) (AMM 23-11-03/401).

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FAULT CODE	1. LOG BOOK REPORT 2. FAULT ISOLATION REFERENCE
23 51 15 00	1. Xmission from Nose W/W on flt inph (describe problem: noisy, inop, etc.). 2. Replace the flight interphone jack, D8545 (WDM 23-51-11).
23 51 16 00	1. Reception at Nose W/W on flt inph (describe problem: noisy, inop, etc.). 2. Replace the flight interphone jack, D8545 (WDM 23-51-11).
23 51 17 --	1. Flt inph reception at (01=Capt, 02=F/O, 03=1st Obs) audio selector panel (describe problem: noisy, inop, etc.). Other stations normal. 2. Replace the audio selector panel, M70 (M71, M98) at the flight crew position where the problem occurs (AMM 23-51-01/401).
23 51 18 --	1. Flt inph xmission at (01=Capt, 02=F/O, 03=1st Obs) audio selector panel (describe problem: noisy, inop, etc.). Other stations normal. 2. Replace the audio selector panel, M70 (M71, M98) at the flight crew position where the problem occurs (AMM 23-51-01/401).
23 51 19 00	1. Flt inph abnormal at all crew stations. 2. Replace the audio accessory unit, M108 (AMM 23-42-01/401).
23 51 20 --	1. Cockpit speaker will not mute with (01=Capt, 02=F/O) audio selector panel in OXY position, using hand mic. 2. Replace the audio selector panel, M70 (M71) at the flight crew position where the problem occurs (AMM 23-51-01/401). If the problem continues, replace the interphone speaker, B1 (B2) (AMM 23-51-02/401).
23 51 21 --	1. (01=Capt, 02=F/O, 03=1st Obs) audio selector panel has bleed thru (describe). 2. Replace the audio selector panel, M70 (M71, M98) at the flight crew position where the problem occurs (AMM 23-51-01/401). If the problem continues, do an inspection of the contrahelical cable and include the shield wire connections at the grounding stud, GDX3-S. Repair or replace as necessary (WDM 23-51-11, WDM 23-51-14, WDM 23-51-21, WDM 23-51-41).
23 51 22 --	1. (01=Capt, 02=F/O, 03=1st Obs) audio selector panel lighting faulty (volume control, etc.). 2. Replace the audio selector panel, M70 (M71, M98) at the flight crew position where the problem occurs (AMM 23-51-01/401).

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FAULT CODE	1. LOG BOOK REPORT 2. FAULT ISOLATION REFERENCE
23 51 23 --	1. (01=Capt, 02=F/O, 03=1st Obs) audio selector panel volume control (inop, knobs broken, loose, etc.). 2. Replace the audio selector panel, M70 (M71, M98) at the flight crew position where the problem occurs (AMM 23-51-01/401).
23 51 24 --	1. (Identify radio) mic select sw (will not stay engaged, sticks, etc.) on (01=Capt, 02=F/O, 03=1st Obs) ASP. 2. Replace the audio selector panel, M70 (M71, M98) at the flight crew position where the problem occurs (AMM 23-51-01/401).
23 51 26 --	1. (06=Capt, 07=F/O) control wheel PTT sw (sticks, etc.). 2. Clean the rocker and the switch with a contact cleaner. If the problem continues, replace the Capt (F/O) control wheel mic PTT switch, S550 (S552) (AMM 23-51-03/401).
23 51 30 --	1. (Unable to transmit, transmission weak, etc.) using mic select sw position on (01=Capt, 02=F/O, 03=1st Obs) audio selector panel. 2. Replace the audio selector panel, M70 (M71, M98) at the flight crew position where the problem occurs (AMM 23-51-01/401).
23 51 31 --	1. (Unable to receive, reception weak, intermittent, etc.) using mic select sw position on (01=Capt, 02=F/O, 03=1st Obs) audio selector panel. 2. Replace the audio selector panel, M70 (M71, M98) at the flight crew position where the problem occurs (AMM 23-51-01/401).
23 51 32 --	1. Sidetone (missing, weak, intermittent, etc.) using (01=Capt, 02=F/O, 03=1st Obs) audio selector panel. 2. Replace the audio selector panel, M70 (M71, M98) at the flight crew position where the problem occurs (AMM 23-51-01/401).
23 71 01 00	1. Voice recorder signal is (noisy, missing, etc.) at monitor jack. 2. FIM 23-71-00/101, Fig. 103, Block 2.

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FAULT CODE	
	1. LOG BOOK REPORT
	2. FAULT ISOLATION REFERENCE
23 71 02 00	1. Voice recorder monitor response to test is (describe problem: low, high, etc.).
	2. FIM 23-71-00/101, Fig. 103, Block 1.

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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.

LRU/System Name	Acronym	FIM Reference
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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LRU/System Name	Acronym	FIM Reference
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 Systen 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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LRU/System Name	Acronym	FIM Reference
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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HF COMMUNICATIONS SYSTEM

COMPONENT	FIG. 102 SHT	QTY	ACCESS/AREA	REFERENCE
ANTENNA - HF COMM, M244	1	1	322BL, VERTICAL FIN	*
CIRCUIT BREAKER	2		FLT COMPT, P11	
LEFT HF COMM, C340		1	11G8	*
RIGHT HF COMM, C341		1	11G35	*
COUPLER - L, R HF COMM, M241,M242	1	2	322BL, VERTICAL FIN	23-11-01
DECODER - (REF 23-21-00, FIG. 101)				
SELCAL, M180				
PANEL - (REF 23-42-00, FIG. 101)				
PILOTS' CALL, M51				
PANEL - (REF 23-51-00, FIG. 101)				
AUDIO SELECTOR, M70,M71,M98				
PANEL - L, R HF COMM CONTROL, M82,M83	2	2	FLT COMPT, P5	23-11-02
TRANSCEIVER - L, R HF COMM, M152,M153	2	2	119AL, MAIN EQUIP CTR, E2-6	23-11-03
UNIT - (REF 31-31-00, FIG. 101)				
DIGITAL FLIGHT DATA ACQUISITION, M138				

* SEE THE WDM EQUIPMENT LIST

HF Communications System - Component Index
Figure 101

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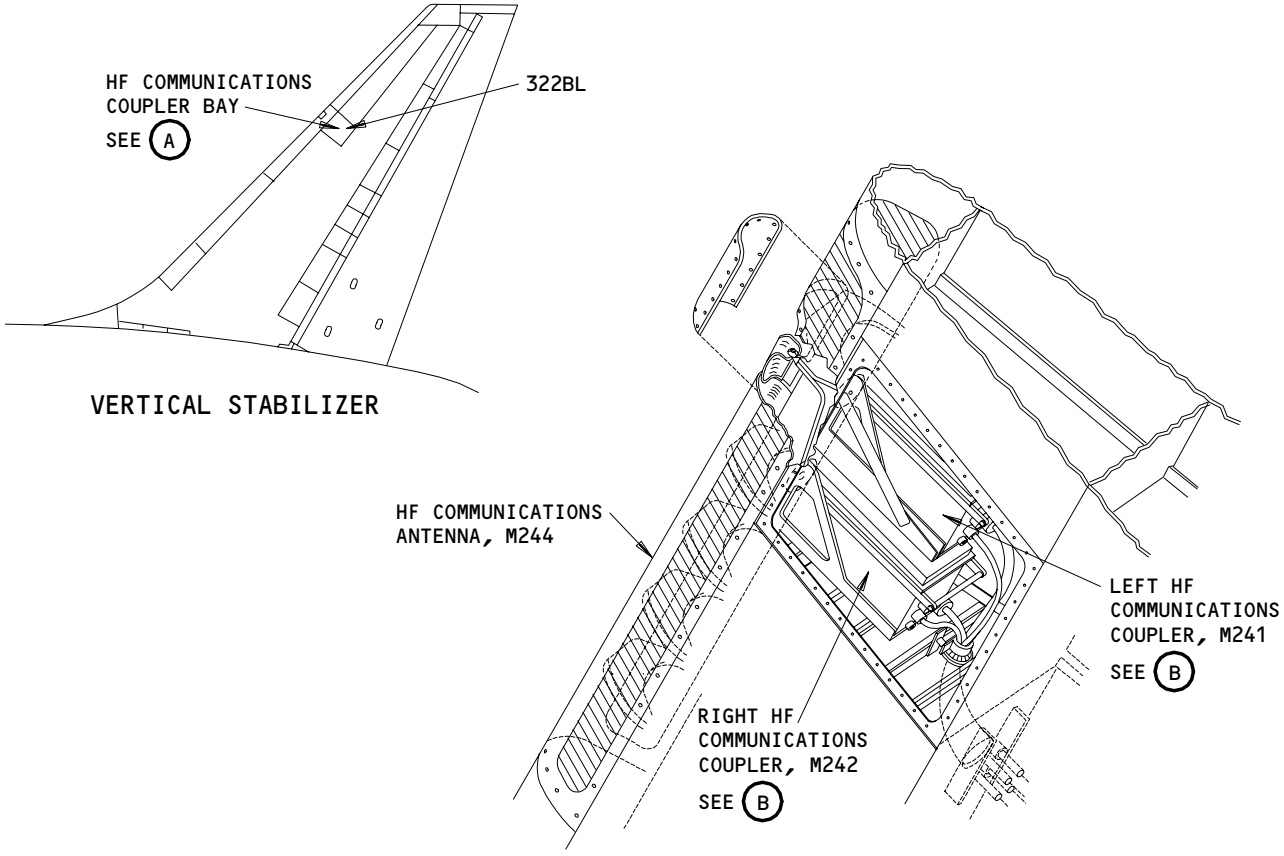

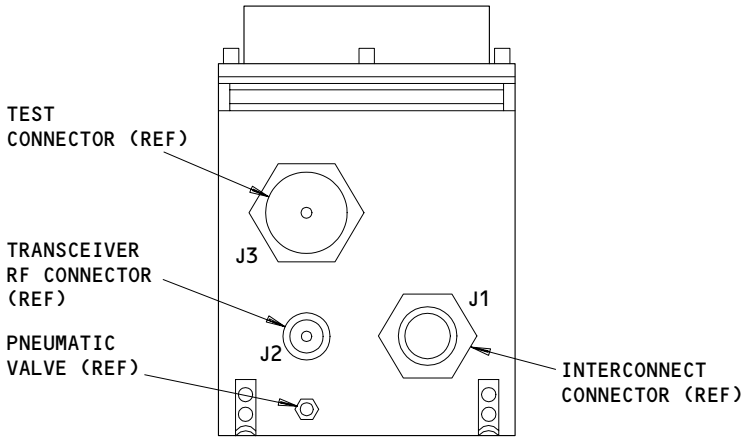

HF Communications System - Component Location
Figure 102 (Sheet 1)

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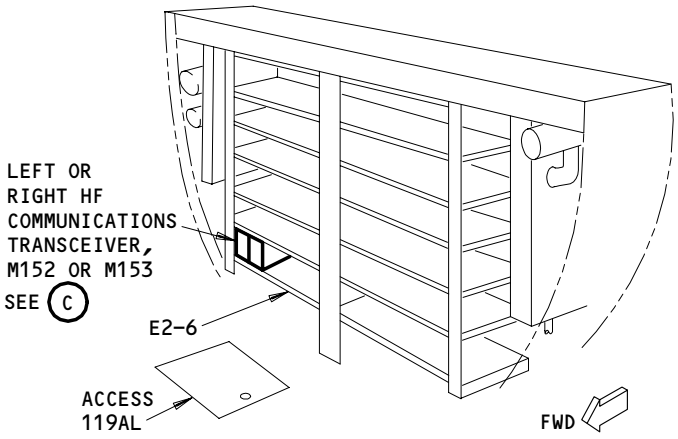
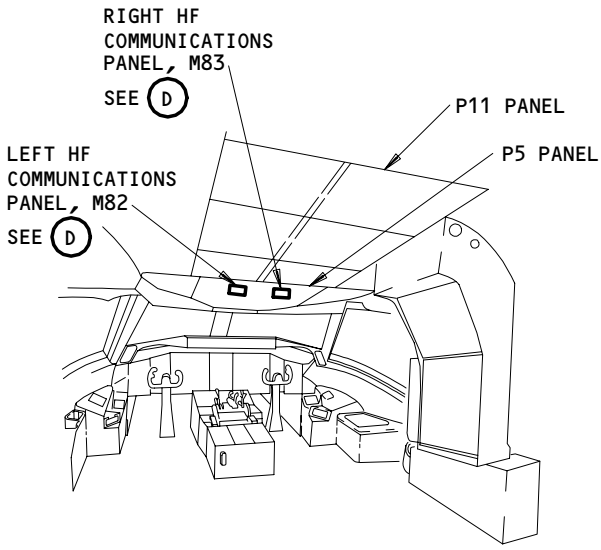
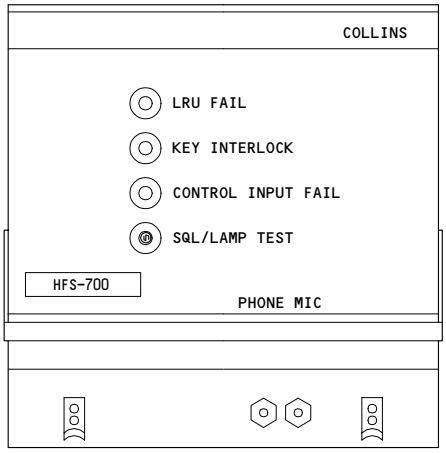


MAIN EQUIPMENT CENTER

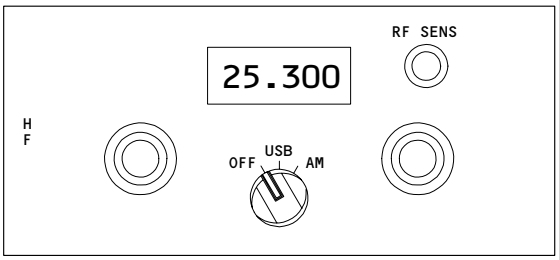


FLIGHT COMPARTMENT



LEFT OR RIGHT HF COMMUNICATIONS
TRANSCEIVER, M152 OR M153

C



LEFT OR RIGHT HF COMMUNICATIONS
CONTROL PANEL, M82 OR M83

D

HF Communications System - Component Location
Figure 102 (Sheet 2)

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HIGH FREQUENCY COMMUNICATIONS SYSTEM BITE PROCEDURE

PREREQUISITES

MAKE SURE THESE CIRCUIT BREAKERS ARE CLOSED:
11G8,11G35

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

1 SET MODE SELECTOR TO "USB" ON LEFT (RIGHT) HF COMM CONTROL PANEL, M82 (M83) ON PILOT OVERHEAD PANEL, P5.
SET THE FREQUENCY SELECTORS TO AN APPROVED TEST FREQUENCY.
SET THE RF SENS CONTROL TO THE FULLY COUNTERCLOCKWISE POSITION.
LOOK AT THE STATUS LIGHTS ON THE FRONT OF THE LEFT (RIGHT) HF COMM TRANSCEIVER, M152 (M153).
IS THE "LRU FAIL" LIGHT ON?

YES → 31 REPLACE THE LEFT (RIGHT) HF COMM TRANSCEIVER, M152 (M153)(AMM 23-11-03/401).

NO ↓

2 IS THE "CONTROL INPUT FAIL" LIGHT ON?

YES → 32 REPLACE THE LEFT (RIGHT) HF COMM CONTROL PANEL, M82 (M83)(AMM 23-11-02/401).
IF THE PROBLEM CONTINUES, REPLACE THE LEFT (RIGHT) HF COMM TRANSCEIVER, M152 (M153) (AMM 23-11-03/401).
IF THE PROBLEM CONTINUES, DO A WIRING CHECK FROM THE LEFT (RIGHT) HF COMM TRANSCEIVER, M152 (M153), CONNECTOR D641B (D643B), PINS G3 AND H3, TO THE LEFT (RIGHT) HF COMM CONTROL PANEL, M82 (M83), CONNECTOR D733 (D737), PINS 9 AND 10 (WDM 23-11-11,-21).
REPAIR THE PROBLEMS THAT YOU FIND.

NO ↓

SEE SHEET 2 (BLOCK 3)

High Frequency Communications System BITE Procedure
Figure 103 (Sheet 1)

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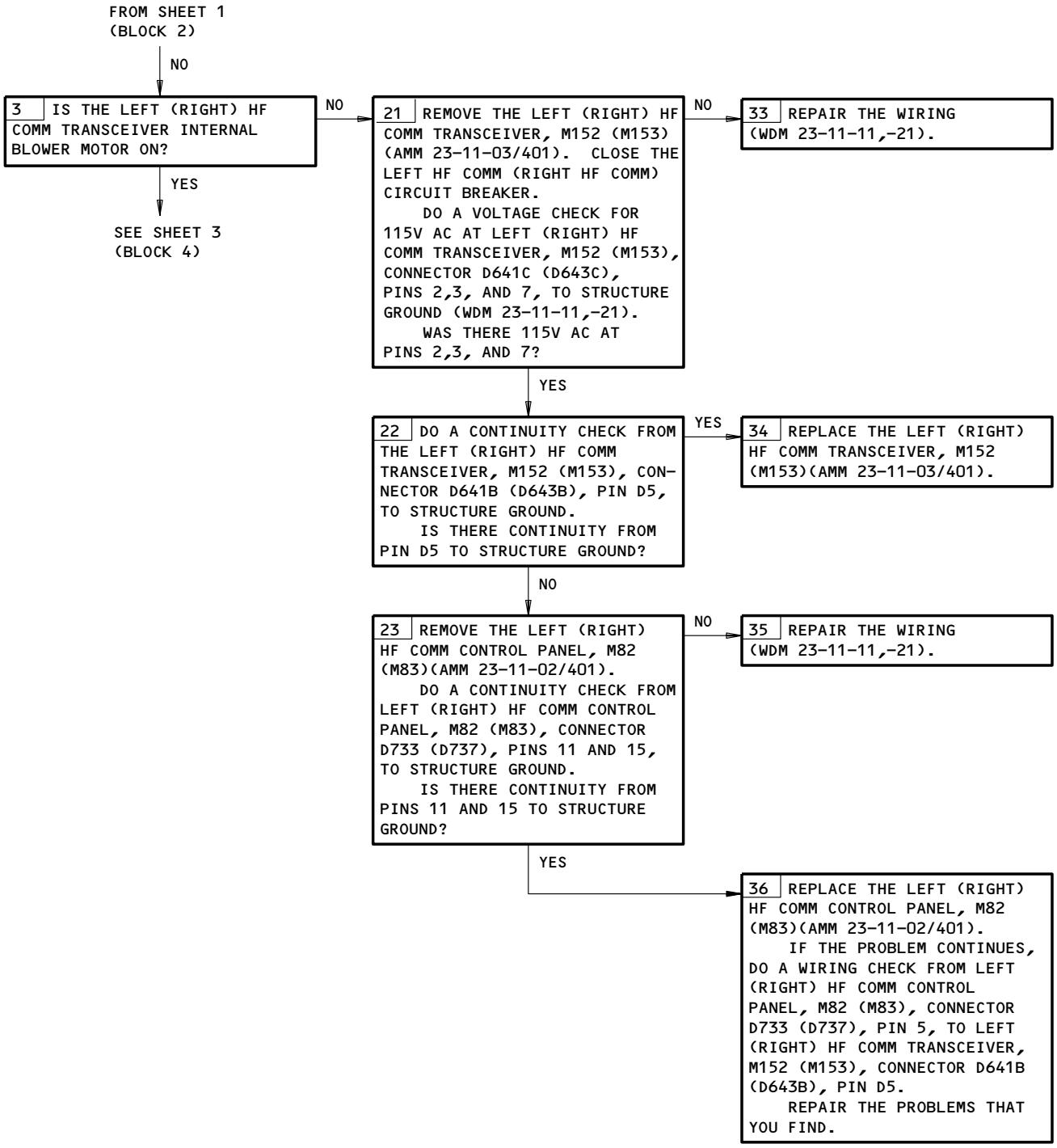

High Frequency Communications System BITE Procedure
Figure 103 (Sheet 2)

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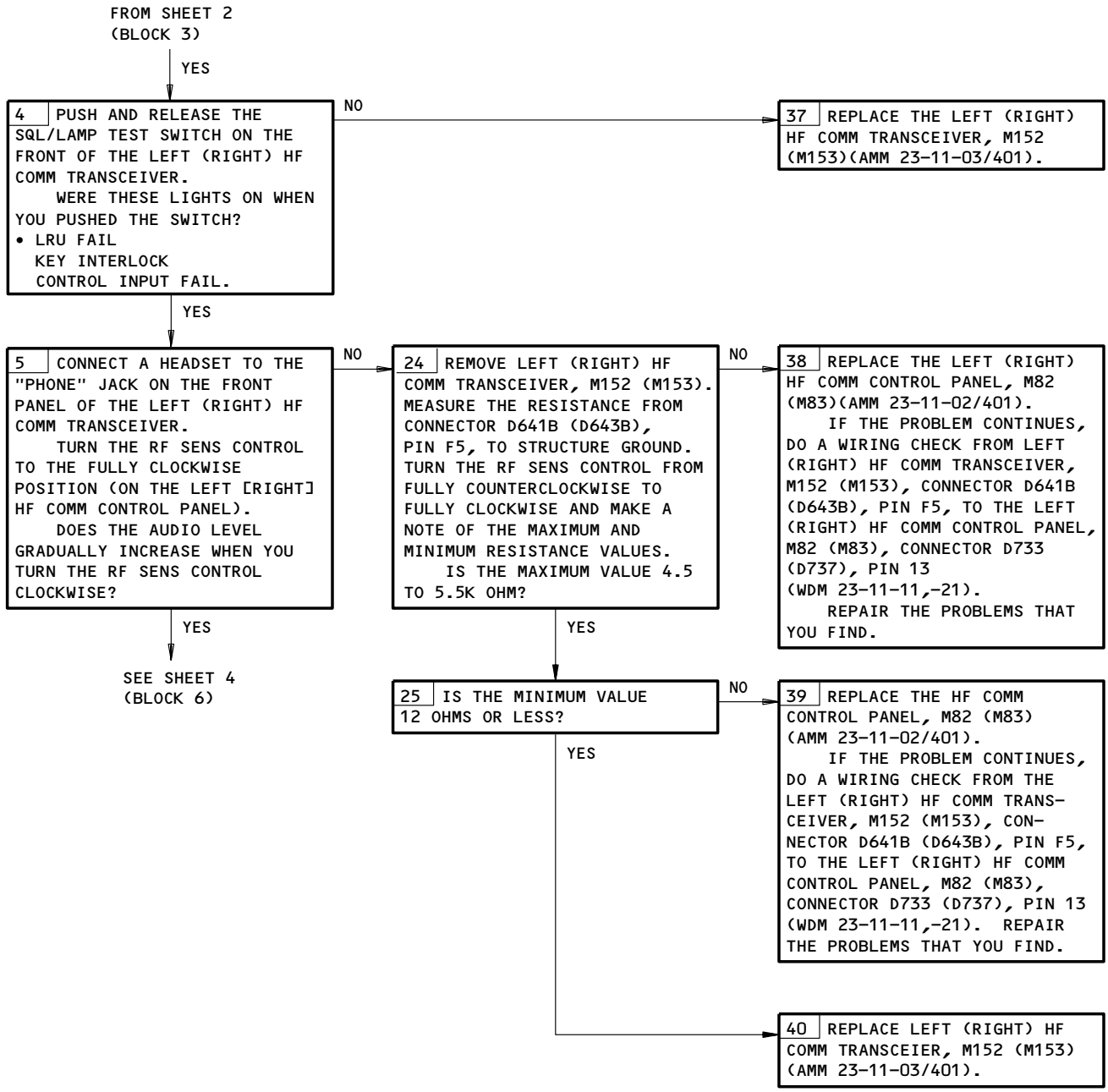

High Frequency Communications System BITE Procedure
Figure 103 (Sheet 3)

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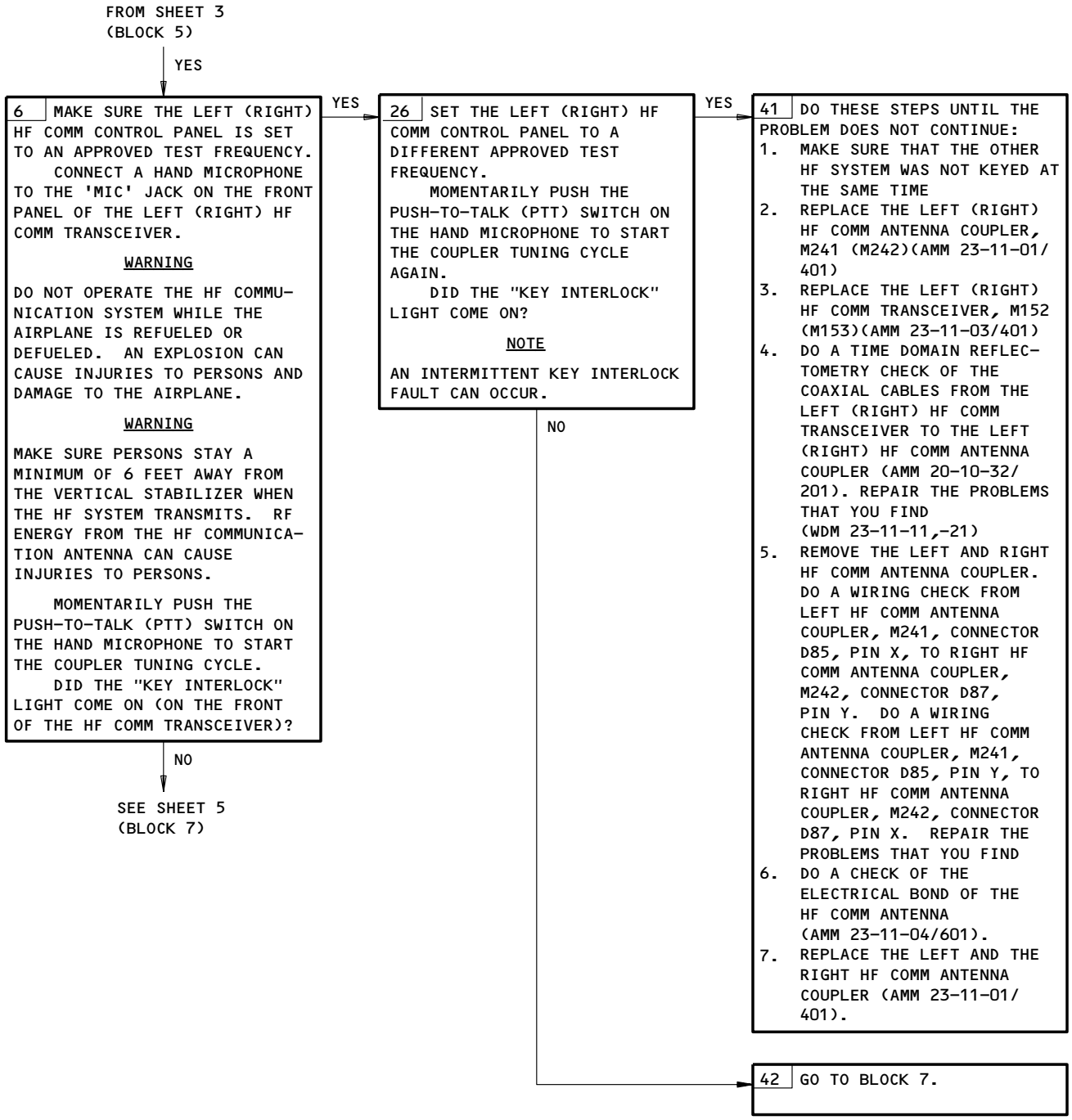

High Frequency Communications System BITE Procedure
Figure 103 (Sheet 4)

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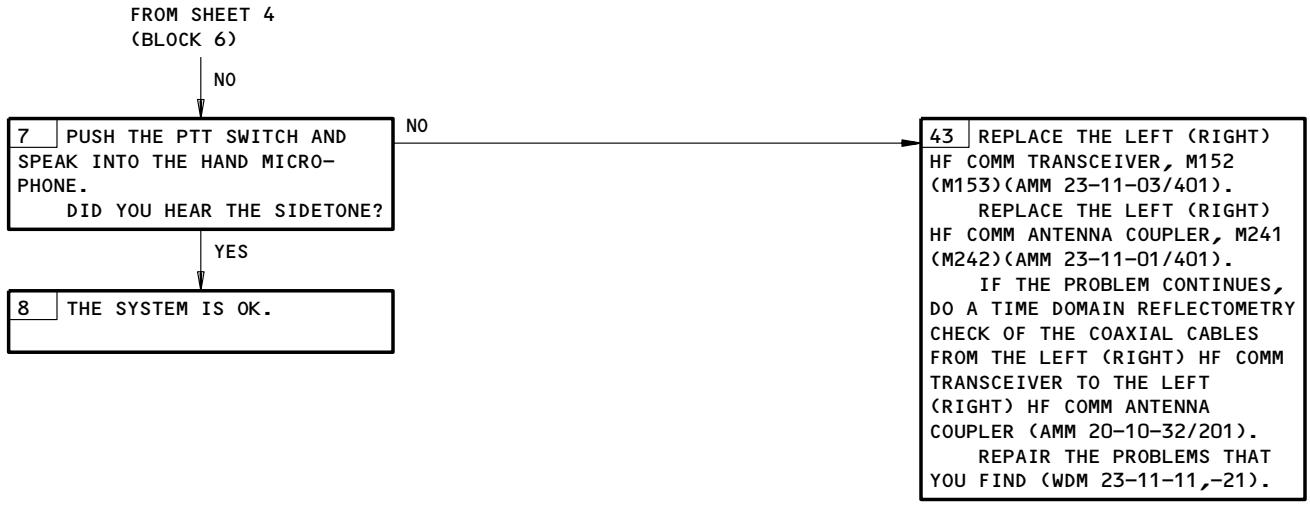

High Frequency Communications System BITE Procedure
Figure 103 (Sheet 5)

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1. Fault Isolation - Tips
   A. HF Communication System faults can be caused by Flight Interphone System faults. If HF failures continue after the replacement of HF equipment, then replace suspected Flight Interphone System equipment (FIM 23-51-00/101).
      (1) The equipment that follows are possible causes of HF audio input or keyline circuitry faults:
         (a) audio selector panel or audio control panel
         (b) audio management unit, if installed (only on airplanes with audio control panels)
         (c) headsets, boom microphone headsets
         (d) hand microphones
         (e) control wheel push-to-talk switch
         (f) flight interphone jacks for headsets and microphones
         (g) wiring between the Flight Interphone System and HF Communication System.
   B. ARINC 429 data bus charts give data necessary to make an analysis of ARINC 429 transmitters, receivers, and data buses. A breakout box is used at the available terminal blocks or at the LRU connectors to do the tests.

CAUTION: DO NOT DIRECTLY TOUCH THE CONNECTORS. USE A BREAKOUT BOX OR YOU CAN CAUSE DAMAGE TO THE CONNECTORS.

2. Equipment
   A. Standard multi-meter
   B. Data Bus Analyzer - 429EB; JcAIR Instrumentation (preferred)
      400 Industrial Parkway,
      Industrial Airport, KS 66031

      - 429-2; Interface Technology (optional)
      150 E. Arrow Highway,
      San Dimas, CA 91773
   C. Breakout box A34011-1 (preferred)
      A34011-112 (optional)

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HF PNL							
DIGITAL OUTPUT BUS CHART							
BUS NAME SOURCE	TYPE	BUS	CON	PINS	BUS FORMAT	BIT RATE	DATA BUS
HFPNL (L R)	A	1		09 10	429	LO	FREQ/FUNC SELECT

HF PNL ID = B9								
OCTAL LABELS CHART								
SIGNAL	TYPE	LABEL	FORMAT	MIN UPDATE RATE	SDI	BINARY RANGE	POSITIVE SENSE	UNITS
HF FREQ SELECT	A	037	BCD	5		2.8-24	N/A	MHZ

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VHF COMMUNICATIONS SYSTEM

COMPONENT	FIG. 102 SHT	QTY	ACCESS/AREA	AMM REFERENCE
ANTENNA - C VHF COMM, M247	1	1	BOTTOM FUSELAGE, AFT	23-12-03
ANTENNA - L VHF COMM, M245	1	1	TOP FUSELAGE, FWD	23-12-03
ANTENNA - R VHF COMM, M246	1	1	BOTTOM FUSELAGE, FWD	23-12-03
CIRCUIT BREAKER -	2		FLT COMPT, P11	
VHF COMM C, C556		1	11G4	*
VHF COMM L, C544		1	11C3	*
VHF COMM R, C545		1	11G31	*
PANEL - (FIM 23-42-00/101)				
PILOTS' CALL, M51				
PANEL - (FIM 23-51-00/101)				
AUDIO SELECTOR, M70				
AUDIO SELECTOR, M71				
AUDIO SELECTOR, M98				
PANEL - C VHF CONTROL, M80	2	1	FLT COMPT, P8	23-12-02
PANEL - L VHF CONTROL, M78	2	1	FLT COMPT, P8	23-12-02
PANEL - R VHF CONTROL, M79	2	1	FLT COMPT, P8	23-12-02
RELAY - (FIM 32-09-00/101)				
SYS NO. 1 AIR/GROUND, K199				
SYS NO. 2 AIR/GROUND, K203				
TRANSCEIVER - C VHF COMM, M190	2	1	119AL, MAIN EQUIP CTR, E2-5	23-12-01
TRANSCEIVER - L VHF COMM, M188	2	1	119AL, MAIN EQUIP CTR, E2-5	23-12-01
TRANSCEIVER - R VHF COMM, M189	2	1	119AL, MAIN EQUIP CTR, E2-5	23-12-01
UNIT - (FIM 23-21-00/101)				
SELCAL DECODER, M180				
UNIT - (FIM 31-31-00/101)				
FLT DATA ACQUISITION, M138				

* SEE THE WDM EQUIPMENT LIST

VHF Communications System - Component Index
Figure 101

315927
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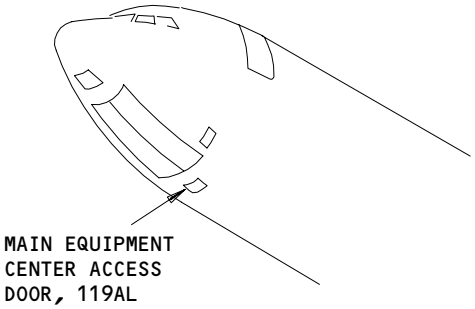

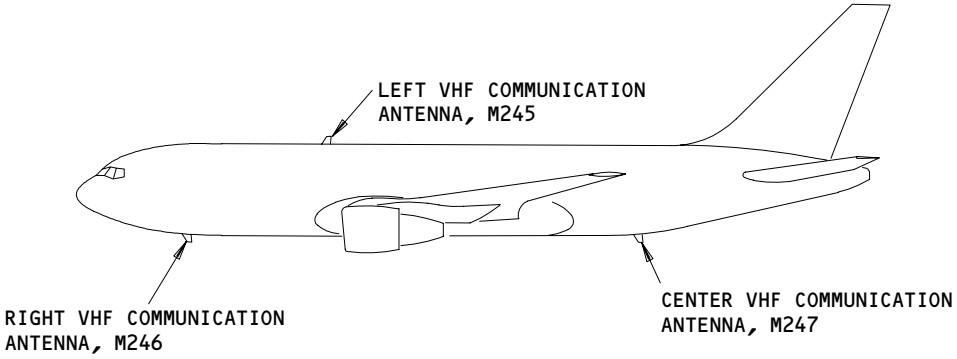

VHF COMMUNICATION ANTENNA LOCATIONS

VHF Communications System - Component Location
Figure 102 (Sheet 1)

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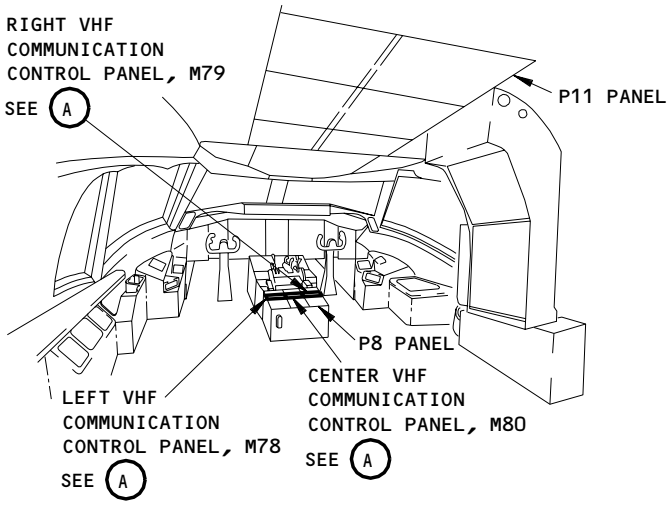
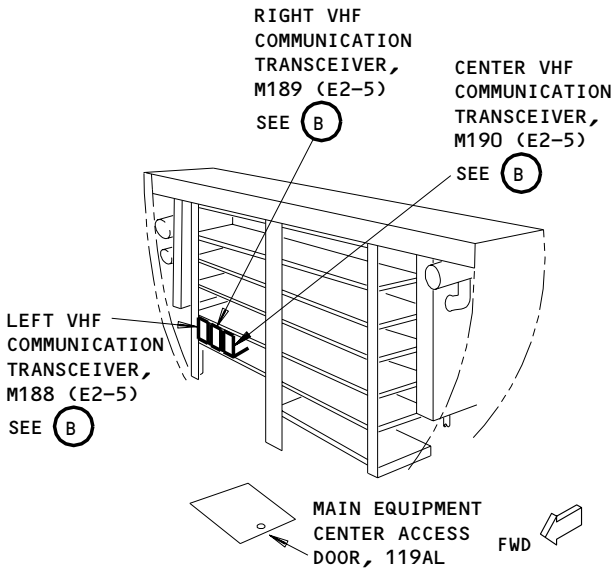


FLIGHT COMPARTMENT



MAIN EQUIPMENT CENTER

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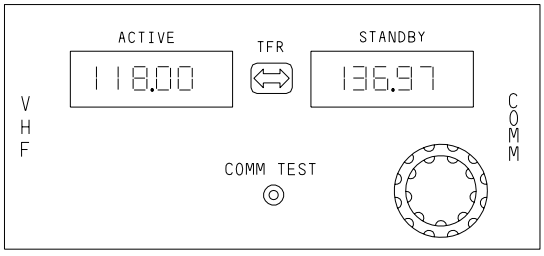
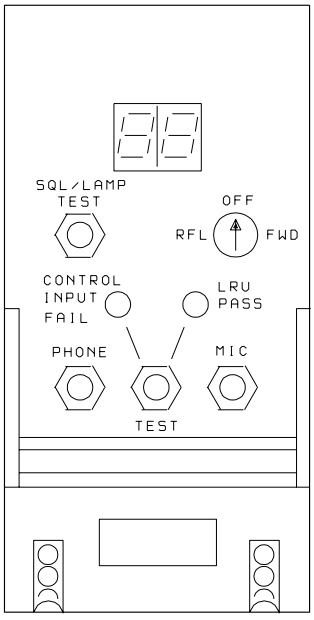


VHF COMMUNICATION CONTROL PANEL

A



VHF COMMUNICATION TRANSCEIVER, M188, M189 OR M190

B

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VHF Communications System - Component Location
Figure 102 (Sheet 2)

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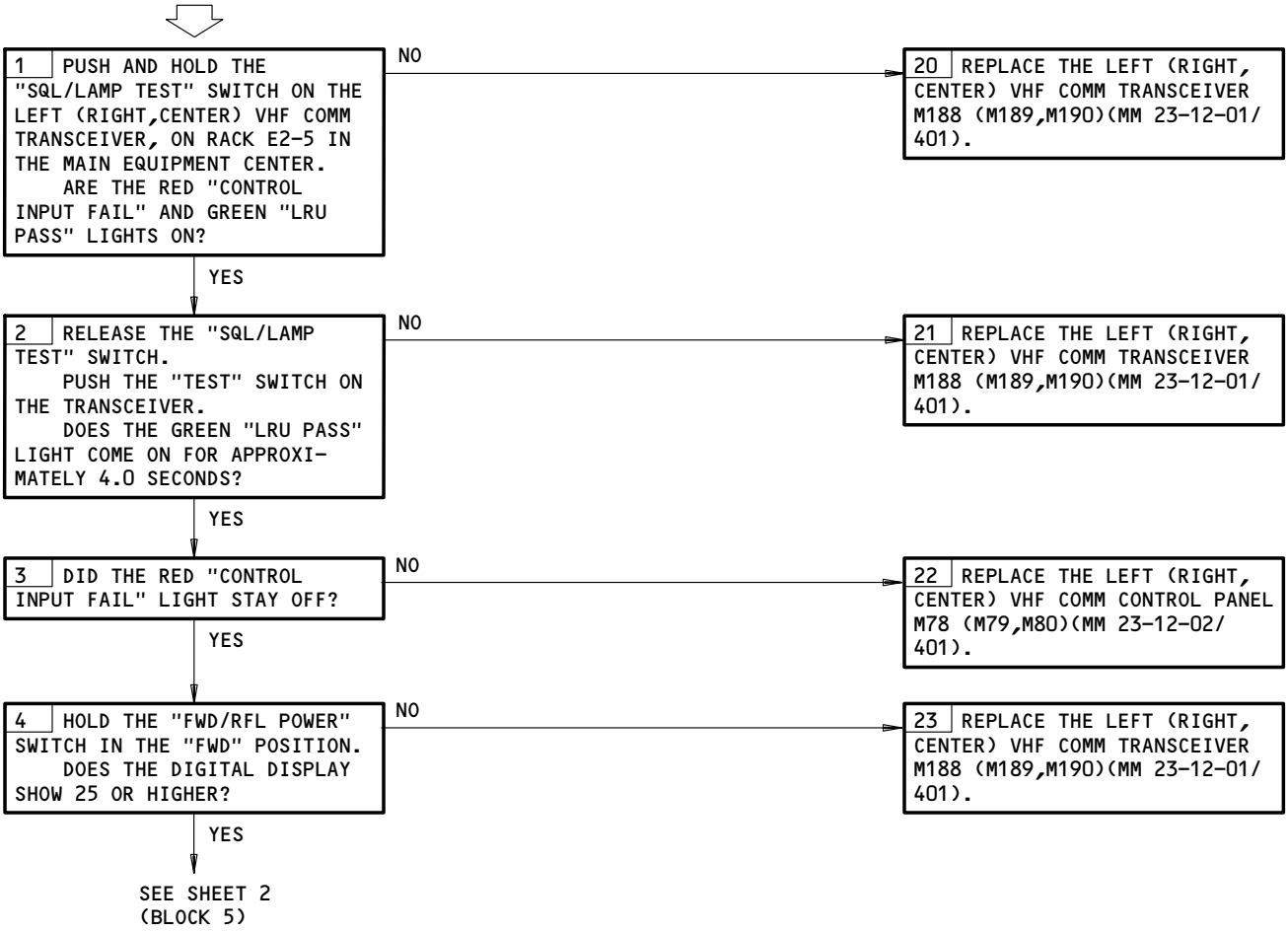
VHF COMMUNICATIONS TRANSCEIVER BITE PROCEDURE

PREREQUISITES
ELECTRICAL POWER (MM 24-22-00/201)
CB'S: 11C3,11G4,11G31



VHF Communications Transceiver BITE Procedure
Figure 103 (Sheet 1)

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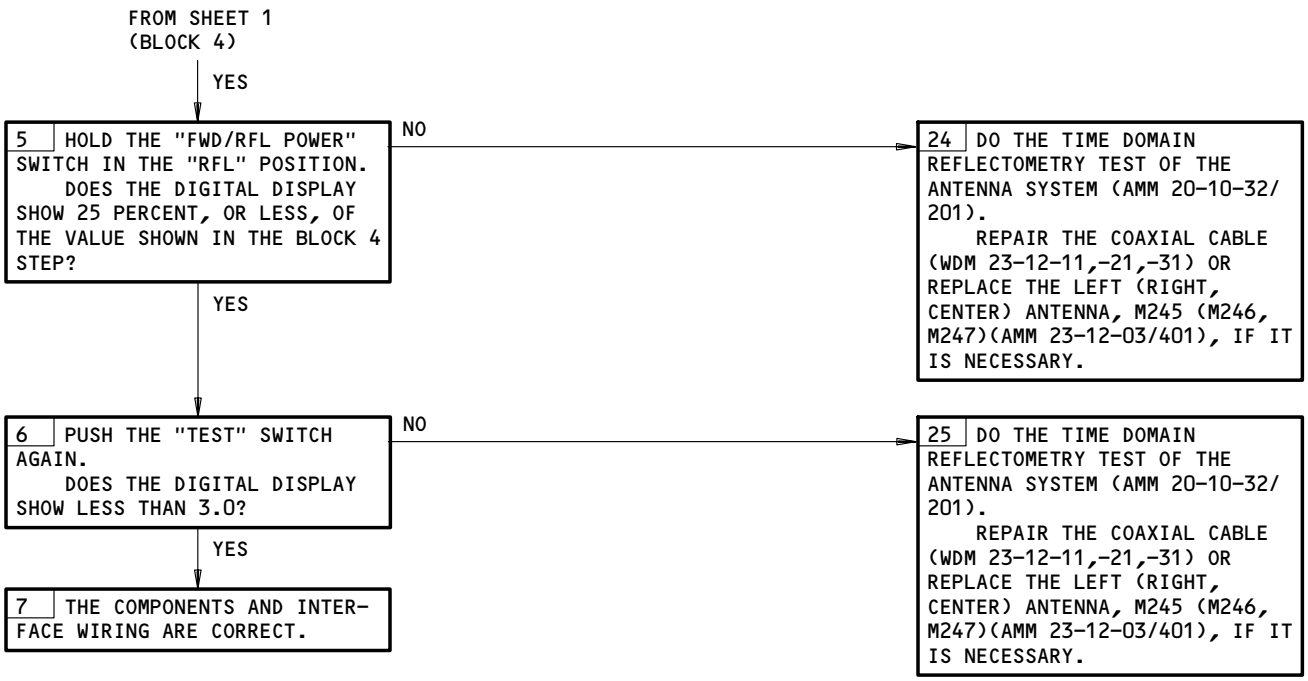
45842



VHF Communications Transceiver BITE Procedure
Figure 103 (Sheet 2)

777418

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1. Fault Isolation - Tips
   A. VHF Communication System faults can be caused by Flight Interphone System faults. If VHF failures continue after the replacement of VHF equipment, then replace suspected Flight Interphone System equipment (FIM 23-51-00/101).
      (1) The equipment that follows are possible causes of VHF audio input or keyline circuitry faults:
         (a) audio selector panel or audio control panel
         (b) audio management unit, if installed (only on airplanes with audio control panels)
         (c) headsets, boom microphone headsets
         (d) hand microphones
         (e) control wheel push-to-talk switch
         (f) flight interphone jacks for headsets and microphones
         (g) wiring between the Flight Interphone System and VHF Communication System.
   B. ARINC 429 data bus charts give data necessary to make an analysis of ARINC 429 transmitters, receivers, and data buses. A breakout box is used at the available terminal blocks or at the LRU connectors to do the tests.

CAUTION: DO NOT DIRECTLY TOUCH THE CONNECTORS. USE A BREAKOUT BOX OR YOU CAN CAUSE DAMAGE TO THE CONNECTORS.

2. Equipment
   A. Standard multi-meter
   B. Interface Technology model 429-2 Data Bus Analyzer.
   C. Breakout box A34011-1 (preferred) A34011-112 (optional)

VHF PNL

DIGITAL OUTPUT BUS CHART

BUS NAME / SOURCE	TYPE	BUS	CON	PINS	BUS FORMAT	BIT RATE	DATA BUS
VHFPNL (L C R)	A	1		17 18	429	LO	FREQ/FUNC SELECT

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VHF PNL ID = B6								
OCTAL LABELS CHART								
SIGNAL	TYPE	LABEL	FORMAT	MIN UPDATE RATE	SDI	BINARY RANGE	POSITIVE SENSE	UNITS
FREQ/FUNCTION SEL	A	030	BCD	5		118-136.97	N/A	MHZ

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SELCAL SYSTEM

COMPONENT	FIG. 102 SHT	QTY	ACCESS/AREA	REFERENCE
CIRCUIT BREAKER	--		FLT COMPT, P11	
SELCAL, C539		1	11G3	*
DECODER - SELCAL, M180	--	1	119AL, MAIN EQUIP CTR, E2-5	23-21-01
MODULE - (REF 31-51-00, FIG. 101)				
BELL CHIME AURAL WARNING, M1000				
PANEL - (REF 23-42-00, FIG. 101)				
PILOTS' CALL, M51				
RECEPTACLE - SELCAL CODING, M974	--	1	119AL, MAIN EQUIP CTR, E2-5	*
SWITCH - (REF 23-42-00, FIG. 101)				
L VHF COMM, (S1)	--	1		
R VHF COMM, (S3)	--	1		
C VHF COMM, (S2)	--	1		
L HF COMM, (S4)	--	1		
R HF COMM, (S5)	--	1		
TRANSCEIVER - (REF 23-12-00, FIG. 101)				
C VHF COMM, M190				
L VHF COMM, M188				
R VHF COMM, M189				
TRANSCEIVER - (REF 23-11-00, FIG. 101)				
L HF COMM, M152				
R HF COMM, M153				

* SEE THE WDM EQUIPMENT LIST

Selcal System - Component Index
Figure 101

174831
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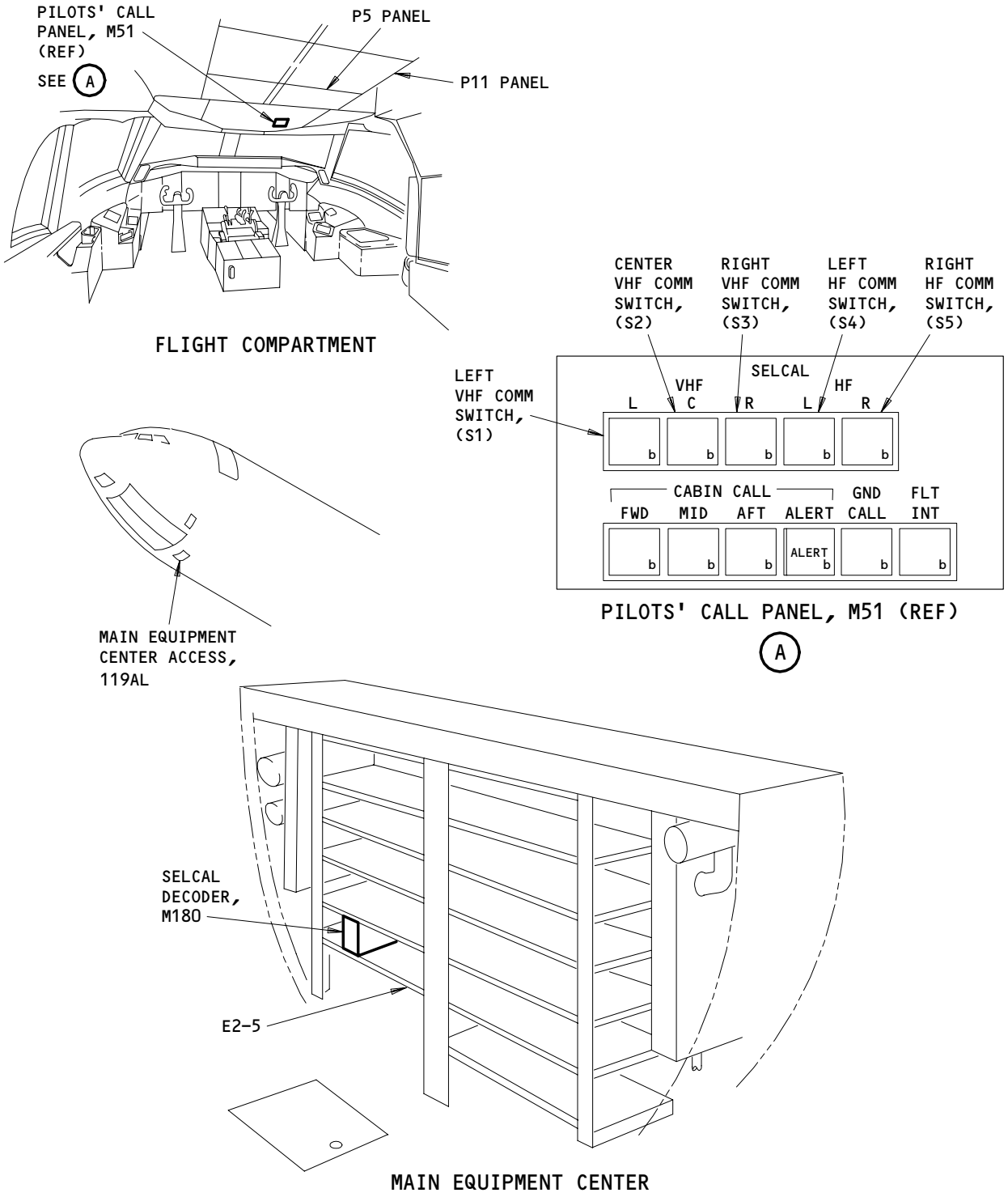

SELCAL System - Component Location
Figure 102

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ACARS

	COMPONENT	FIG. 102 SHT	QTY	ACCESS/AREA	AMM REFERENCE
	CIRCUIT BREAKER –	1		FLT COMPT, P6	
	ACARS DC PWR, C538		1	6G5	*
	CIRCUIT BREAKER –	1		FLT COMPT, P11	
	ACARS MGMT UNIT AC, C559		1	11G6	*
	COMPUTER – (FIM 31-41-00/101)				
	L EICAS, M10181				
	R EICAS, M10182				
	COMPUTER – (FIM 34-61-00/101)				
	L FLIGHT MANAGEMENT, M134				
	R FLIGHT MANAGEMENT, M135				
	DECODER – (FIM 23-21-00/101)				
	SELCAL, M180				
	DIODE – SELCAL LT ISOLATION, R76		1	119AL, MAIN EQUIP CTR, E2-5	*
	MODULE – (FIM 31-41-00/101)				
	EICAS LOWER DISPLAY SWITCHING, M10418				
	MODULE – (FIM 31-51-00/101)				
	BELL/CHIME AURAL WARNING, M1000				
	PANEL – (FIM 23-12-00/101)				
	C VHF CONTROL, M80				
SAS	PANEL – (FIM 23-22-00/101)	1			
SAS	VOICE/DATA SWITCH, TM1953		1	FLT COMPT, P8	23-22-02
MTH	PANEL – (FIM 23-22-00/101)	1		FLT COMPT, P8	23-22-02
MTH	VOICE/DATA SWITCH, M1953		1		
	PANEL – (FIM 23-42-00/101)				
	PILOTS' CALL, M51				
	RECEPTACLE – REGISTRATION I/D CODING, M975	2	1	119AL, MAIN EQUIP CTR, E2-5 DISCONNECT BRACKET	*
	TRANSCEIVER – (FIM 23-12-00/101)				
	C VHF COMM, M190				
	UNIT – (FIM 31-35-00/101)				
	DATA MANAGEMENT, M1200				
	UNIT – (FIM 34-61-00/101)				
	L FLIGHT MANAGEMENT COMPUTER CONTROL/DISPLAY, M76				
	R FLIGHT MANAGEMENT COMPUTER CONTROL/DISPLAY, M77				
	UNIT – L ACARS MANAGEMENT, M172	2	1	119AL, MAIN EQUIP CTR, E2-5	23-22-01

* SEE THE WDM EQUIPMENT LIST

ACARS – Component Index
Figure 101

F95379

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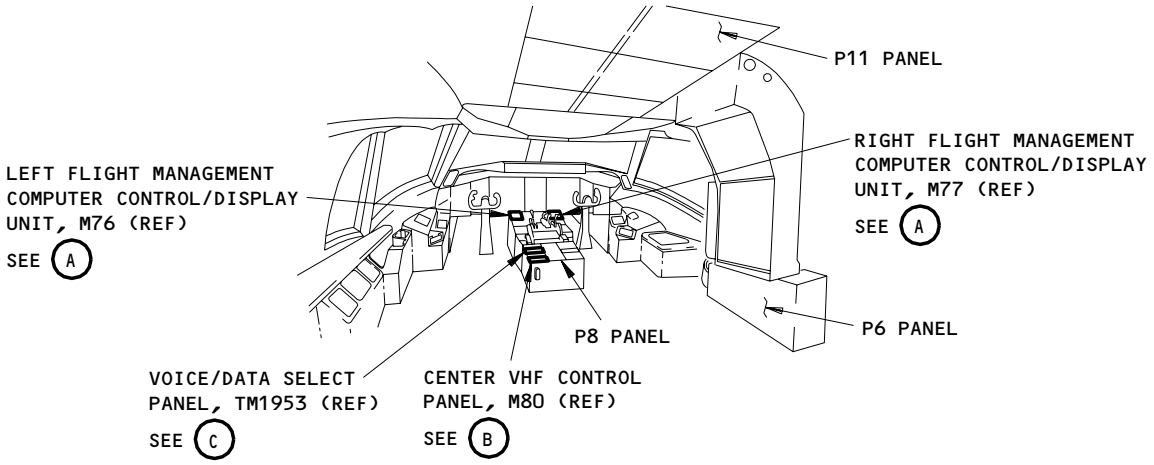

FLIGHT COMPARTMENT

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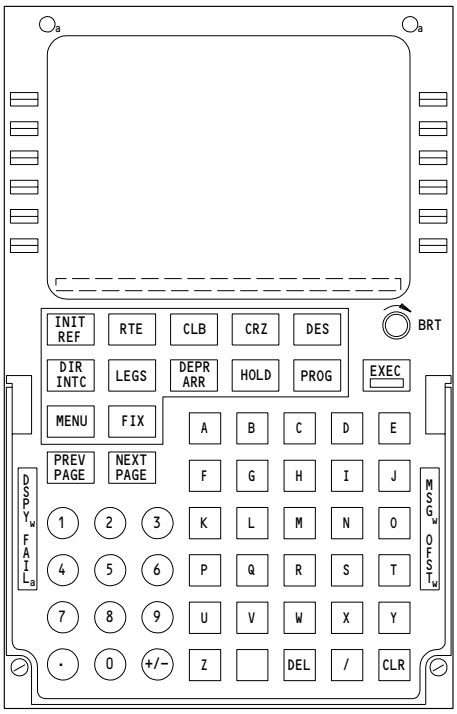
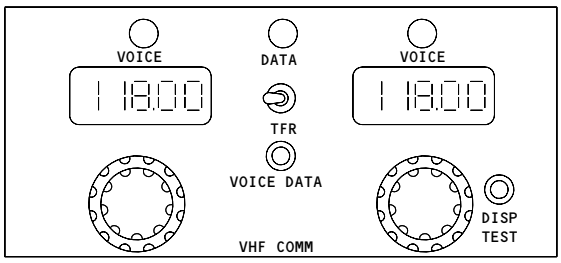


LEFT (RIGHT) FLIGHT MANAGEMENT COMPUTER CONTROL/DISPLAY UNIT, M76 (M77)(REF)

A



CENTER VHF CONTROL PANEL, M80 (REF)

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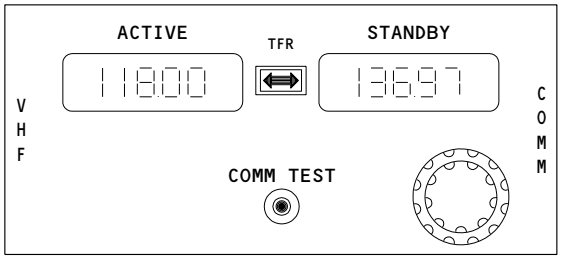
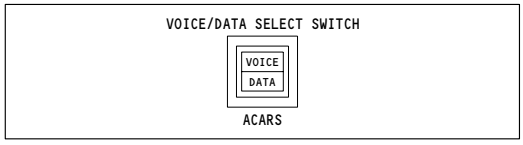


CENTER VHF CONTROL PANEL, M80 (REF)

B 2



VOICE/DATA SELECT PANEL, TM1953 (REF)

C

1 SAS 150,152-157, 162-167

2 MTH 275-278,280,281

ACARS - Component Location
Figure 102 (Sheet 1)

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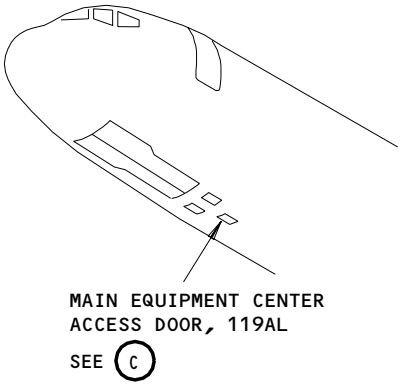

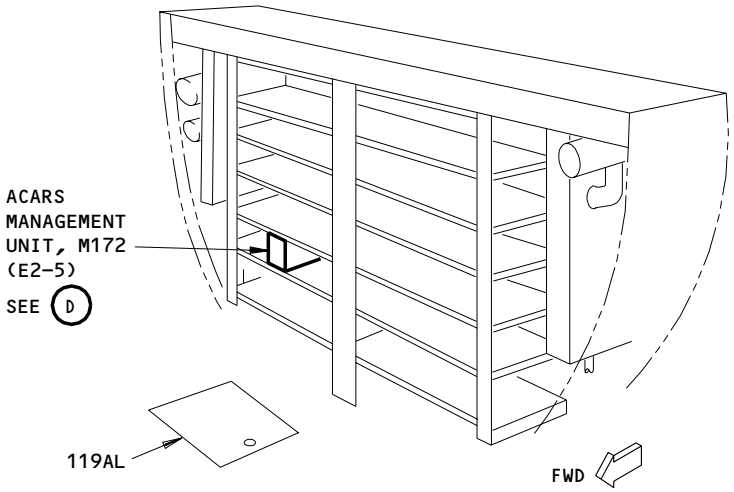

MAIN EQUIPMENT CENTER
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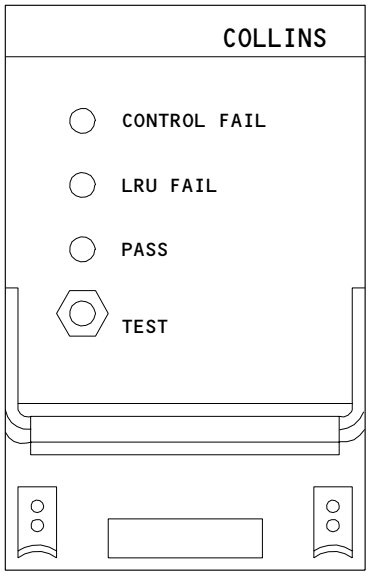

ACARS MANAGEMENT UNIT (MU), M172
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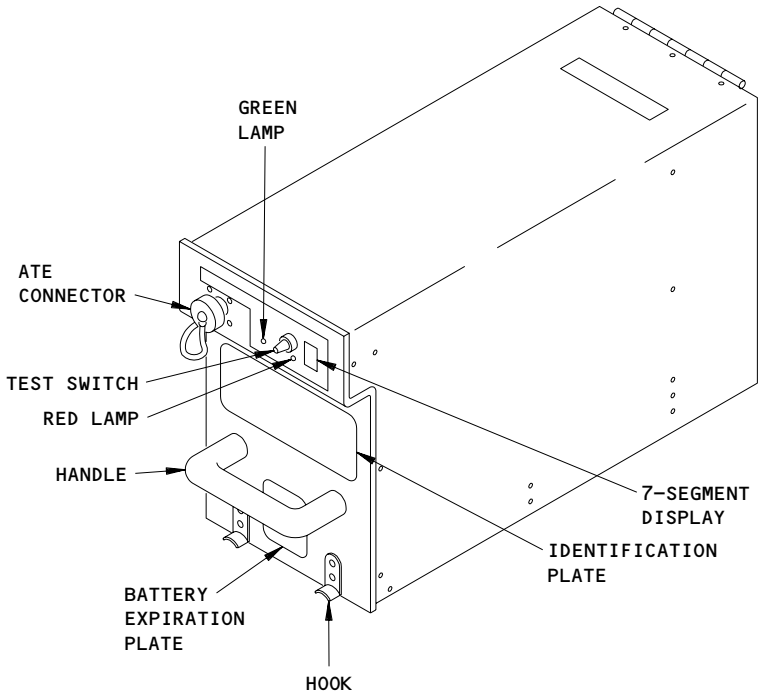

ACARS MANAGEMENT UNIT (MU), M172
D 2

ACARS - Component Location
Figure 102 (Sheet 2)

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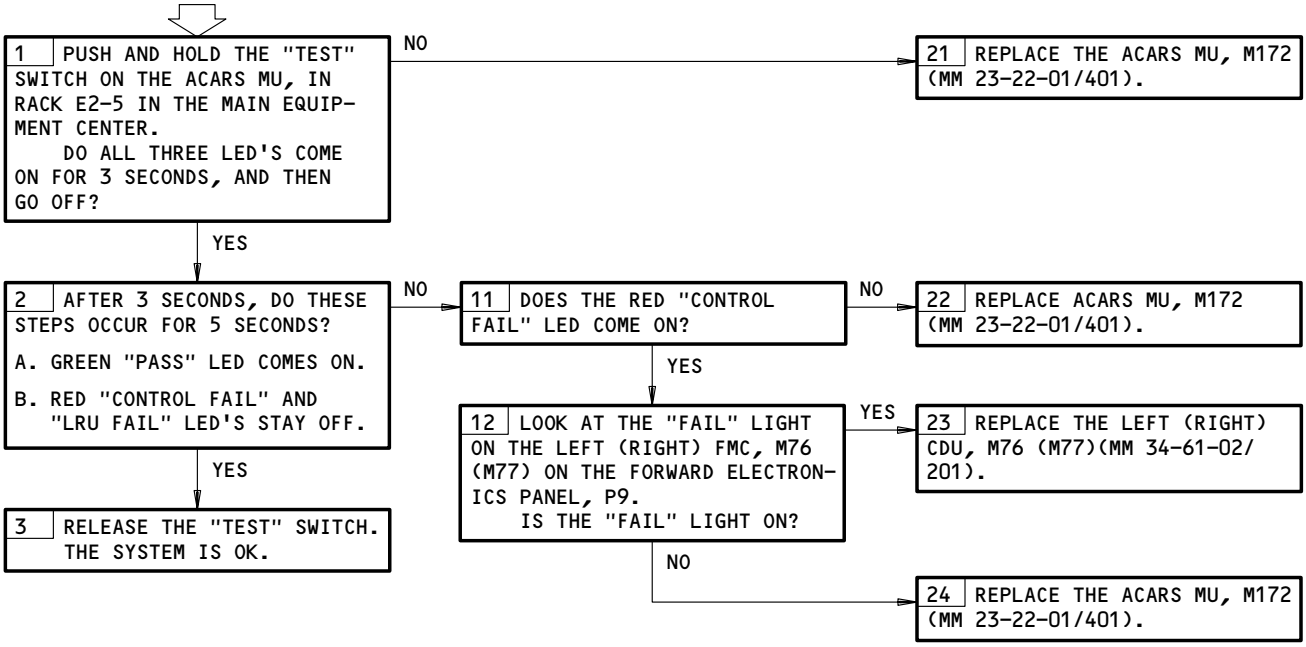
ACARS MANAGEMENT UNIT (MU) BITE PROCEDURE

PREREQUISITES
ELECTRICAL POWER (MM 24-22-00/201)
CB'S: 6G5,11E8,11E9,11E29,11E30,11G6



ACARS Management Unit (MU) BITE Procedure
Figure 103

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1. ARINC Data Bus Charts
   A. General

      CAUTION: DO NOT DIRECTLY TOUCH THE CONNECTORS. USE A BREAKOUT BOX OR YOU CAN CAUSE DAMAGE TO THE CONNECTORS.

      (1) The ARINC 429 data bus charts give data necessary to make an analysis of ARINC 429 transmitters, receivers, and ata buses. For the test, use a breakout box at the available terminal or at the LRU connector.

   B. Equipment
      (1) Standard multi-meter
      (2) 429EBP Data Bus Analyzer (recommended)
          JcAIR Instrumentation
          400 Industrial Parkway
          Industrial Airport, KS 66031

          429-2 Data Bus Analyzer (alternative)
          Interface Technology
          150 E. Arrow Highway
          San Dimas, CA 91773
      (3) A34011-1 Breakout Box (recommended)
          A34011-112 Breakout Box (alternative)

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ACR MU

DIGITAL OUTPUT BUS CHART

BUS NAME SOURCE	TYPE	BUS	CON	PINS	BUS FORMAT	BIT RATE	DATA BUS
ACRMU (L)	A	1	B	G07 H07	429	LO	DATA TO DFDAU
ACRMU (L)	B	2	A	H13 J13	429	LO	DATA TO FMC-L
ACRMU (L)	B	3	B	C15 D15	429	LO	DATA TO FMC-R
ACRMU (L)	D	5	A	A09 B09	429	LO	DATA TO XCVR
ACRMU (L)	E	6	A	A07 B07	429	LO	FREQ. SELECT

ACR MU ID = 024

OCTAL LABELS CHART

SIGNAL	TYPE	LABEL	FORMAT	MIN UPDATE RATE	SDI	BINARY RANGE	POSITIVE SENSE	UNITS
DATA TO DFDAU	A	N/A	BNR	N/A		N/A	N/A	N/A
DATA TO FMC-L	B	N/A	BNR	N/A		N/A	N/A	N/A
DATA TO FMC-R	B	N/A	BNR	N/A		N/A	N/A	N/A
DATA TO XCVR	D	N/A	BNR	N/A		N/A	N/A	N/A
FREQ SELECT	E	030	BCD	5		118-135.97	N/A	MHZ

ACR PNL

DIGITAL OUTPUT BUS CHART

BUS NAME SOURCE	TYPE	BUS	CON	PINS	BUS FORMAT	BIT RATE	DATA BUS
ACRPNL (L)	A	1		T U	429	LO	CU DATA TO MU

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ACR PNL ID=024								
OCTAL LABELS CHART								
SIGNAL	TYPE	LABEL	FORMAT	MIN UPDATE RATE	SDI	BINARY RANGE	POSITIVE SENSE	UNITS
CU DATA TO MU	A	N/A	BNR	N/A		N/A	N/A	N/A

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EMERGENCY LOCATOR TRANSMITTER (ELT)

COMPONENT	FIG. 102 SHT	QTY	ACCESS/AREA	AMM REFERENCE
ANTENNA - EMERGENCY LOCATOR TRANSMITTER, M1596	2	1	FUSELAGE	23-24-02
SWITCH - EMERGENCY LOCATOR TRANSMITTER REMOTE CONTROL, YDGS1	1	1	FLIGHT COMPARTMENT, P5 PANEL	*
TRANSMITTER - EMERGENCY LOCATOR, M1597	2	1	AFT PASSENGER CABIN CEILING, ABOVE E7 RACK	23-24-01

* SEE THE WDM EQUIPMENT LIST

Emergency Locator Transmitter (ELT) - Component Index
Figure 101

E24097

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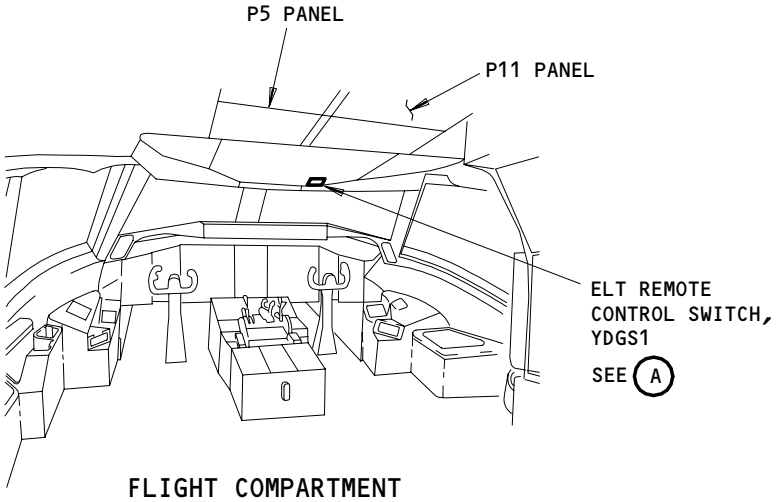
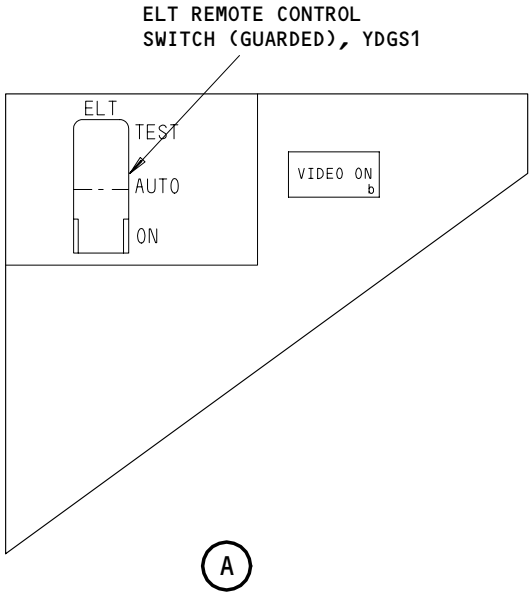


FLIGHT COMPARTMENT



Emergency Locator Transmitter (ELT) - Component Location
Figure 102 (Sheet 1)

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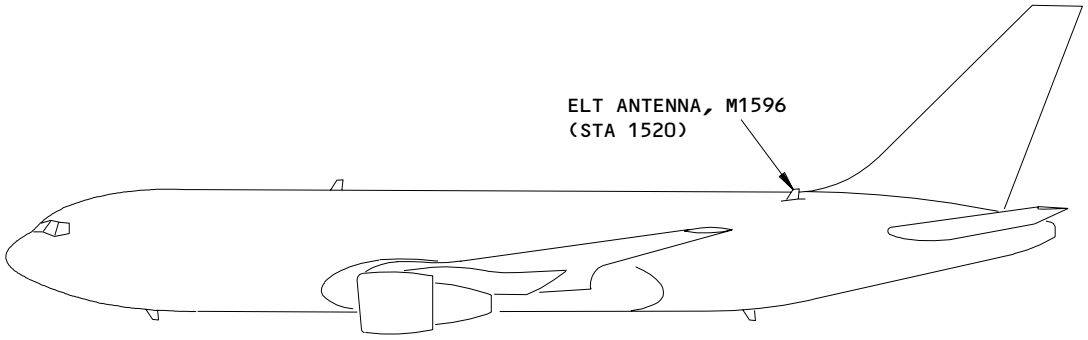
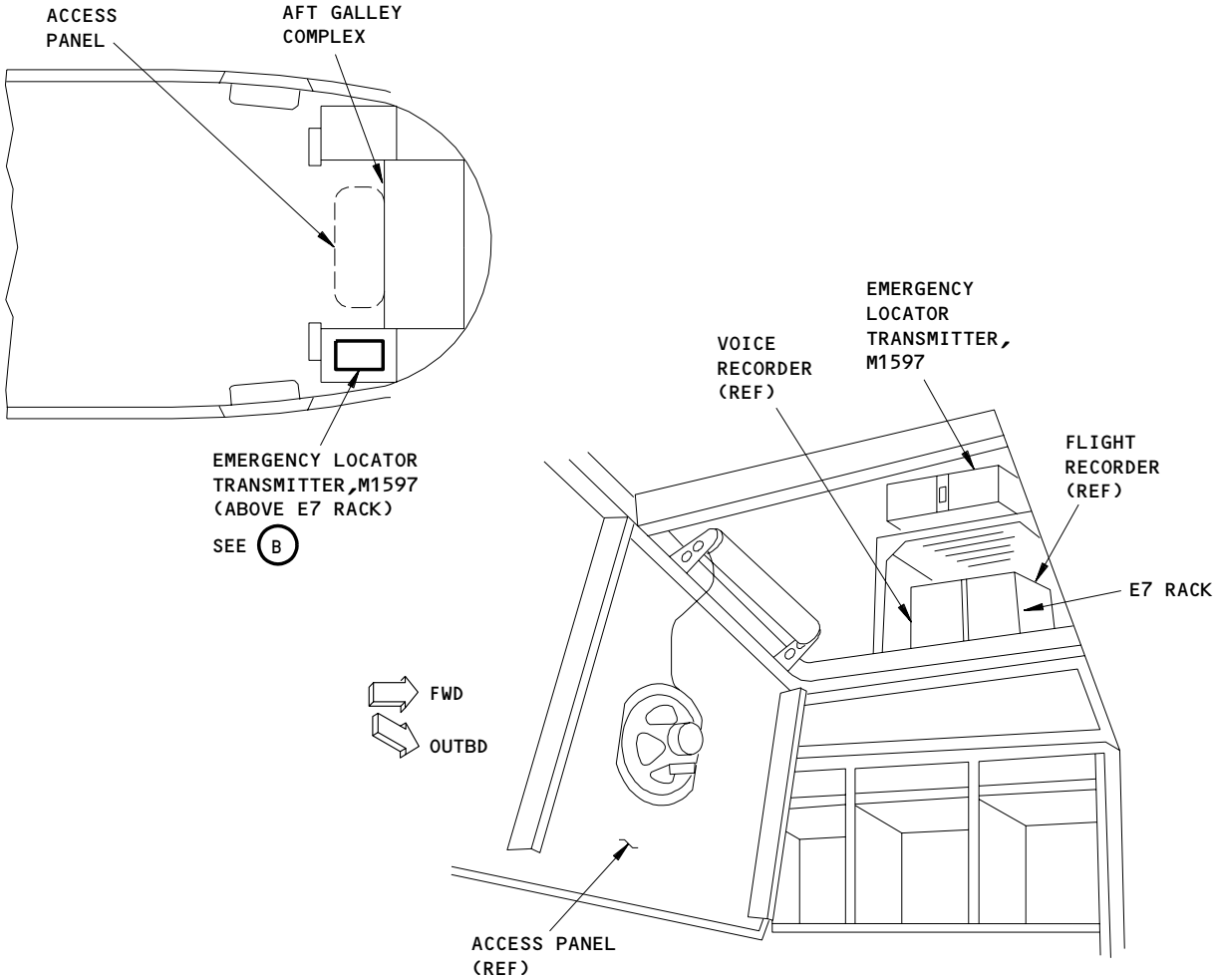


ELT ANTENNA LOCATION



EMERGENCY LOCATOR TRANSMITTER, M1597
B

Emergency Locator Transmitter (ELT) - Component Location
Figure 102 (Sheet 2)

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EMERGENCY LOCATOR TRANSMITTER (ELT) FAULT ISOLATION

PREREQUISITES

MAKE SURE THESE CIRCUIT BREAKERS ARE CLOSED:
11C3, 11C26, 11G30

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

1 ADJUST THE FIRST OFFICER'S AUDIO SELECTOR PANEL TO THESE CONDITIONS:
- PUT THE L-VHF MIC SELECTOR SWITCH IN THE ON POSITION (SWITCH/LIGHT ON)
- THE L-VHF VOLUME CONTROL SET TO THE MIDDLE POSITION. ALL OTHER VOLUME CONTROLS MUST BE OFF.

ADJUST THE LEFT VHF COMM CONTROL PANEL TO THIS CONDITION:
- THE TFR SWITCH SET TO THE RIGHT
- THE RIGHT FREQUENCY CONTROLS SET TO 121.5 MHZ.

CAUTION

FOLLOW THE LOCAL ELT REGULATIONS. FAILURE TO DO SO CAN CAUSE SEARCH OPERATIONS THAT ARE NOT NECESSARY.

CONNECT THE HEADPHONES TO THE FIRST OFFICER'S JACK PANEL.
PUSH AND HOLD THE ELT SWITCH ON THE P5 PANEL TO "TEST".
CAN THE ELT SIGNAL BE HEARD THROUGH THE HEADPHONES?

NO → 11 SET THE SWITCH ON THE ELT FRONT PANEL TO THE "ON" POSITION. [1]
CAN THE ELT SIGNAL BE HEARD THROUGH THE HEADPHONES CONNECTED TO THE FIRST OFFICER'S JACK PANEL?

YES → 21 SET THE SWITCH ON THE ELT FRONT PANEL TO THE "ARM" POSITION.
REPLACE THE ELT REMOTE CONTROL SWITCH ON THE P5 PANEL OR REPAIR THE WIRING BETWEEN THE SWITCH AND THE ELT (WDM 23-24-11).

NO → 12 DO THE TIME DOMAIN REFLECTOMETRY CHECK OF THE ELT ANTENNA SYSTEM (AMM 20-10-32/201).
DID A PROBLEM WITH THE ELT ANTENNA CABLE SHOW?

YES → 22 REPLACE THE ELT ANTENNA M1596 (AMM 23-24-02/401) OR ANTENNA CABLE (WDM 23-24-11) AS NECESSARY.

NO → 23 REPLACE THE EMERGENCY LOCATOR TRANSMITTER M1597 (AMM 23-24-01/201).

YES → 2 RELEASE THE ELT SWITCH.
MAKE SURE THE SWITCH GOES TO THE "OFF" POSITION.
MAKE SURE THE ELT SIGNAL CAN NO LONGER BE HEARD THROUGH THE HEADPHONES.
THE SYSTEM IS CORRECT.

[1] THE ELT FRONT PANEL SWITCH MUST BE IN THE "ARM" POSITION IMMEDIATELY AFTER THIS STEP. THE ELT POWER SUPPLY IS A NON-RECHARGEABLE BATTERY PACK THAT MUST BE REPLACED AFTER IT OPERATES FOR A TOTAL OF ONE HOUR.

Emergency Locator Transmitter (ELT) Fault Isolation
Figure 103

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SAS

SATCOM SYSTEM - COMPONENT INDEX

COMPONENT	FIG. 102 SHT	QTY	ACCESS/AREA	AMM REFERENCE
AMPLIFIER - HIGH POWER - HGA, M1782	1	1	E10, ABOVE CEILING, L MID, STA 1070	23-25-14
ANTENNA - HIGH GAIN - PORT, M1793	1	1	L/H OVERHEAD BIN, STA 1100	23-25-19
ANTENNA - HIGH GAIN - STARBOARD, M1794	1	1	R/H OVERHEAD BIN, STA 1100	23-25-19
CIRCUIT BREAKER -				
HF/SAT AUDIO SW, 11H7 OR 11G2, C724		1	FLT COMPT, P11	
SATCOM, 11H8, C506		1	FLT COMPT, P11	
SATCOM DC, 11G1, C901		1	FLT COMPT, P11	
SATCOM HGA, 11H9, C902		1	FLT COMPT, P11	
COMBINER, RF, M1786	1	1	E10, ABOVE CEILING, L MID, STA 1060	23-25-02
LNA/DIPLEXER - PORT, M1789	1	1	ABOVE CEILING, L MID, STA 1100	23-25-09
LNA/DIPLEXER - STARBOARD, 1790	1	1	ABOVE CEILING, R MID, STA 1100	23-25-09
PANEL - HF/SAT SW, M1798	1	1	FLT COMPT, P5	
PANEL - SATCOM TEST RECEPTICLE, P9601	1	1	FLT COMPT, P61	
RCPT - ADDRESS PLUG, M1835	1	1	822, AFT CARGO CMPT, E9	
RELAY -				
L HF/SAT, M1803	1	1	MAIN EQUIP CTR, E2-6	23-25-26
R HF/SAT, M1805	1	1	MAIN EQUIP CTR, E2-6	23-25-26
HIGH POWER, RF, M1787	1	1	E10, ABOVE CEILING, L MID, STA 1060	23-25-22
UNIT - (FIM 34-21-00/101)				
L INTERTIAL REFERENCE				
R INTERTIAL REFERENCE				
UNIT - BEAM STEERING - PORT, M1795	1	1	L/H OVERHEAD BIN, STA 1090	23-25-17
UNIT - BEAM STEERING - STARBOARD, M1796	1	1	R/H OVERHEAD BIN, STA 1090	23-25-17
UNIT - RADIO FREQUENCY, M1781	1	1	822, AFT CARGO CMPT, E9-1	23-25-11
UNIT - SATELITE DATA, M1780	1	1	822, AFT CARGO CMPT, E9-1	23-25-10

SAS

SATCOM System - Component Index
Figure 101

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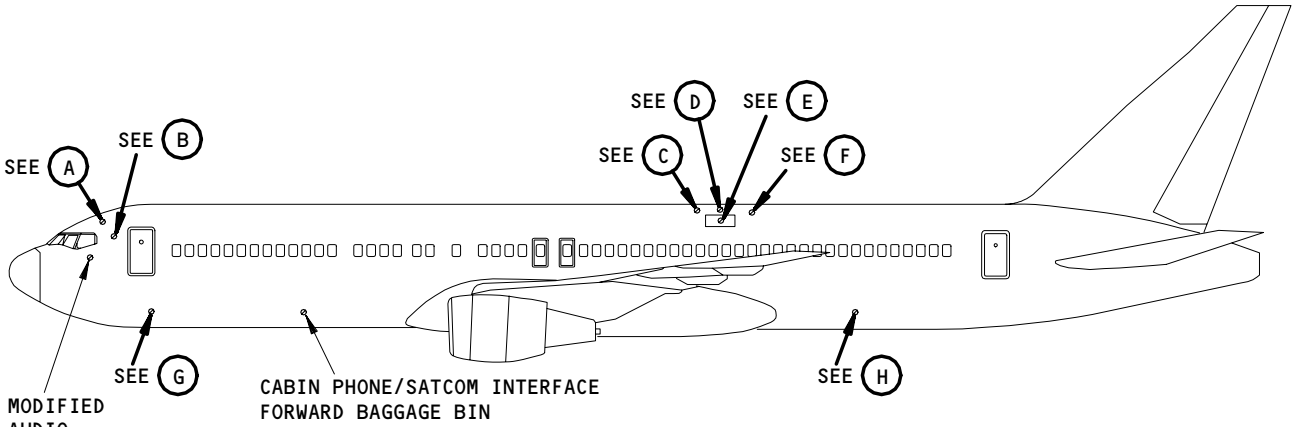
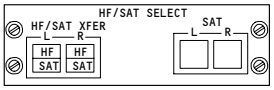
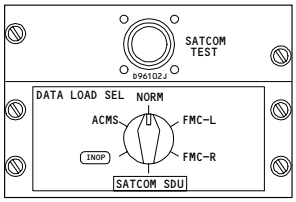
SAS





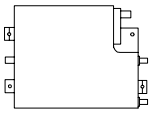
HF/SATCOM SELECT CONTROL PANEL
(PANEL P5)

A



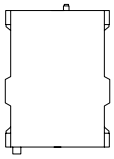
ADL/SAT CONTROL PANEL
SATCOM TEST PANEL
(PANEL P61)

B



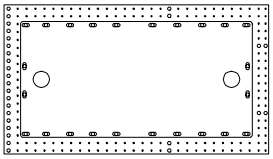
LOW NOISE AMP/DIPLEXER
(STA 1100, TWO INSTALLED)

C



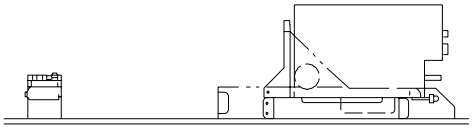
BEAM STEERING UNIT
(STA 1090, TWO INSTALLED)

D



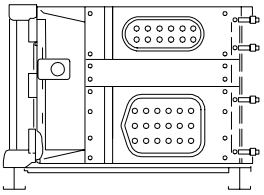
HIGH GAIN ANTENNA
(STA 1100, TWO INSTALLED)

E



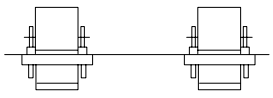
HIGH POWER AMPLIFIER
HIGH POWER RELAY/COMBINER
(SHELF E10, STA 1069)

F



LRU, SATELLITE DATA UNIT
LRU, RADIO FREQUENCY UNIT
AIRPLANE ADDRESS PLUG
(SHELF E9, STA 1210)

H



HF/SAT RELAYS
(SHELF E2-6)

G

SATCOM System - Component Location
Figure 102 (Sheet 1)

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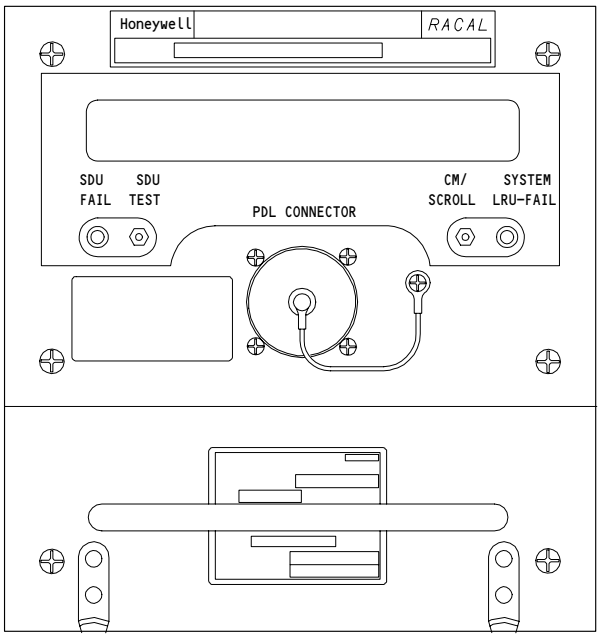
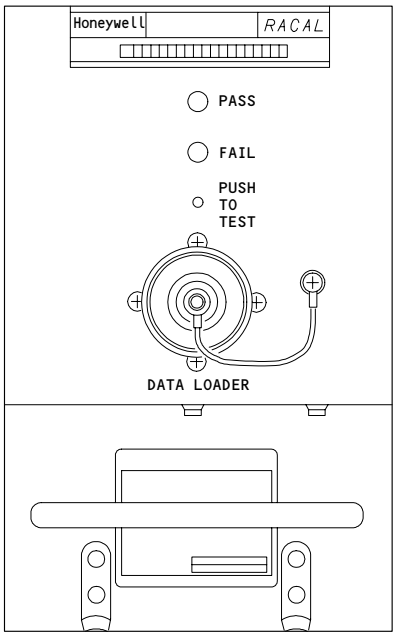
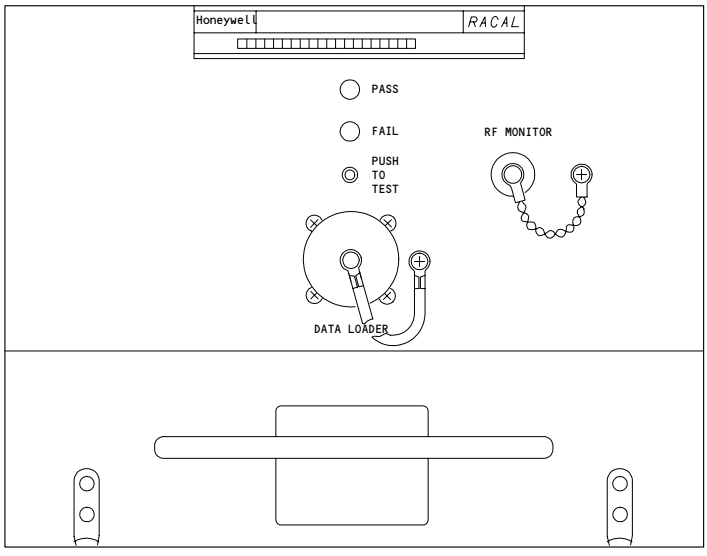
SAS



SATELLITE DATA UNIT



RADIO FREQUENCY UNIT



HIGH POWER AMPLIFIER

SATCOM System - Component Location
Figure 102 (Sheet 2)

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PASSENGER ADDRESS SYSTEM

COMPONENT	FIG. 102 SHT	QTY	ACCESS/AREA	REFERENCE
AMPLIFIER - PASSENGER ADDRESS, M177	1	1	119AL, MAIN EQUIP CTR, E2-5	23-31-01
CIRCUIT BREAKER -	2		FLT COMPT, P11	
PASS ADRS, C548		1	11C22	*
CIRCUIT BREAKER -			119AL, MAIN EQUIP CTR, P36	
PRE-RECD ANNCT, C534		1	37J7	*
DIODE - R409-R418,R431-R438, 1> R475,R655		20	119AL, MAIN EQUIP CTR E2-5	*
HANDSET - (REF 23-42-00, FIG. 101)				
ATTENDANTS, B61				
PILOTS', B61				
MULTIPLEXER - (REF 23-34-00, FIG. 101)				
AFT ZONE, M1307				
FWD ZONE, M642				
MID ZONE, M1321				
RELAY - (REF 31-01-19, FIG. 101)				
OXYGEN DEPLOYED INDICATION, K8				
OXYGEN MANUAL DEPLOYED INDICATION, K42				
PASSENGER SIGNS, K383, K384				
RELAY - (REF 31-01-36, FIG. 101)				
FLIGHT RECORDER CONTROL, K163				
RELAY - (REF 31-01-37, FIG. 101)				
FLIGHT RECORDER CONTROL, K164				
REPRODUCER - BOARDING MUSIC TAPE, M1708	2	1	PURSER STATION	23-31-10
REPRODUCER - (REF 23-34-00, FIG. 101)				
ENTERTAINMENT TAPE, M170				
SPEAKER - CEILING AFT L, B235	1	1	PASS CABIN	23-31-08
SPEAKER - CEILING, FWD L, B289	1	1	PASS CABIN	23-31-08
SPEAKER - CEILING, FWD L, B293	1	1	PASS CABIN	23-31-08
SPEAKER - CEILING, FWD R, B292	1	1	PASS CABIN	23-31-08
SPEAKER - CEILING MID, B243	1	1	PASS CABIN	23-31-08
SPEAKER - GALLEY, AFT L, B229	1	1	PASS CABIN	23-31-04
SPEAKER - GALLEY, AFT R, B230	1	1	PASS CABIN	23-31-04
SPEAKER - GALLEY, FWD, B70	1	1	PASS CABIN	23-31-04
SPEAKER - LAVATORY, FWD, M289	1	1	PASS CABIN	23-31-05
SPEAKER - LAVATORY, MID-CTR AFT, M1588	1	1	PASS CABIN	23-31-05
SPEAKER - LAVATORY, MID-CTR FWD, M1585	1	1	PASS CABIN	23-31-05
SPEAKER - LAVATORY, MID L AFT, M1587	1	1	PASS CABIN	23-31-05
SPEAKER - LAVATORY, MID L FWD, M1584	1	1	PASS CABIN	23-31-05
SPEAKER - LAVATORY, MID R AFT, M1589	1	1	PASS CABIN	23-31-05
SPEAKER - LAVATORY, MID R FWD, M1586	1	1	PASS CABIN	23-31-05
SPEAKER - PSU, B69	1			
SWITCHING CARDS - PASSENGER ADDRESS, M1634, M1635	2	2	119AL, MAIN EQUIP CTR E2-5	23-31-11
VOLUME LEVEL INDICATOR CARD - PASSENGER ADDRESS, M1633	2	1	119AL, MAIN EQUIP CTR E2-5	23-31-11
UNIT - (REF 23-42-00, FIG. 101)			PASS CABIN	23-31-02
AUDIO ACCESSORY, M108				

* SEE THE WDM EQUIPMENT LIST

1> SAS 153-999

Passenger Address System - Component Index
Figure 101 (Sheet 1)

610969

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COMPONENT	FIG. 102 SHT	QTY	ACCESS/AREA	REFERENCE
AMPLIFIER - PASSENGER ADDRESS, M177	1	1	119AL, MAIN EQUIP CTR, E2-5	23-31-01
CIRCUIT BREAKER -	2		FLT COMPT, P11	
PASS ADRS, C548		1	11C22	*
CIRCUIT BREAKER -			119AL, MAIN EQUIP CTR, P36	
PRE-RECD ANNCT, C534		1	37J7	*
DIODE - R409-R418,R431-R438,R475,R655		20	119AL, MAIN EQUIP CTR E2-5	
HANDSET - (REF 23-42-00, FIG. 101)				
ATTENDANTS, B61				
PILOTS', B61				
MULTIPLEXER - (REF 23-34-00, FIG. 101)				*
AFT ZONE, M1307				
FWD ZONE, M642				
MID ZONE, M1321				
RELAY - (REF 31-01-19, FIG. 101)				
OXYGEN DEPLOYED INDICATION, K8				
OXYGEN MANUAL DEPLOYED INDICATION, K42				
PASSENGER SIGNS, K383, K384				
RELAY - (REF 31-01-36, FIG. 101)				
FLIGHT RECORDER CONTROL, K163				
RELAY - (REF 31-01-37, FIG. 101)				
FLIGHT RECORDER CONTROL, K164				
REPRODUCER - BOARDING MUSIC TAPE, M1708	2	1	PURSER STATION	23-31-10
REPRODUCER - (REF 23-34-00, FIG. 101)				
ENTERTAINMENT TAPE, M170				
SPEAKER - ATTENDANT, AFT L, B76	1	1	PASS CABIN	23-31-03
SPEAKER - ATTENDANT, AFT R, B77	1	1	PASS CABIN	23-31-03
SPEAKER - ATTENDANT, FWD L, B72	1	1	PASS CABIN	23-31-03
SPEAKER - ATTENDANT, FWD R, B73	1	1	PASS CABIN	23-31-03
SPEAKER - ATTENDANT, MID L, B74	1	1	PASS CABIN	23-31-03
SPEAKER - ATTENDANT, MID R, B75	1	1	PASS CABIN	23-31-03
SPEAKER - CEILING, FWD L, B289	1	1	PASS CABIN	23-31-08
SPEAKER - CEILING, FWD R, B292	1	1	PASS CABIN	23-31-08
SPEAKER - GALLEY, AFT L, B229	1	1	PASS CABIN	23-31-04
SPEAKER - GALLEY, AFT R, B230	1	1	PASS CABIN	23-31-04
SPEAKER - GALLEY, FWD, B70	1	1	PASS CABIN	23-31-04
SPEAKER - LAVATORY, FWD, M289	1	1	PASS CABIN	23-31-05
SPEAKER - LAVATORY, MID-CTR FWD, M1585	1	1	PASS CABIN	23-31-05
SPEAKER - LAVATORY, MID L AFT, M1587	1	1	PASS CABIN	23-31-05
SPEAKER - LAVATORY, MID L FWD, M1584	1	1	PASS CABIN	23-31-05
SPEAKER - LAVATORY, MID R AFT, M1589	1	1	PASS CABIN	23-31-05
SPEAKER - LAVATORY, MID R FWD, M1586	1	1	PASS CABIN	23-31-05
SPEAKER - PSU, B69	1			
SWITCHING CARDS - PASSENGER ADDRESS, M1634, M1635	2	2	119AL, MAIN EQUIP CTR E2-5	23-31-11
VOLUME LEVEL INDICATOR CARD - PASSENGER ADDRESS, M1633	2	1	119AL, MAIN EQUIP CTR E2-5	23-31-11
UNIT - (REF 23-42-00, FIG. 101)			PASS CABIN	23-31-02
AUDIO ACCESSORY, M108				

* SEE THE WDM EQUIPMENT LIST

Passenger Address System - Component Index
Figure 101 (Sheet 2)

699137

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COMPONENT	FIG. 102 SHT	QTY	ACCESS/AREA	REFERENCE
AMPLIFIER - PASSENGER ADDRESS, M177	1	1	119AL, MAIN EQUIP CTR, E2-5	23-31-01
CIRCUIT BREAKER -	2		FLT COMPT, P11	
PASS ADRS, C548		1	11C22	*
CIRCUIT BREAKER -	1		119AL, MAIN EQUIP CTR, P36	
PRE RECD ANNCT, C534		1	36J7	*
DECK - PA TAPE, M1523	4	1	PASS CABIN, FWD CLOSET	23-31-10
DIODE - R126	2	1	119AL, MAIN EQUIP CTR E2-5	*
HANDSET - (REF 23-42-00, FIG. 101)				
ATTENDANTS, B61				
PILOTS', B61				
MULTIPLEXER - (REF 23-34-00, FIG. 101)				
AFT ZONE, M1307				
FWD ZONE, M642				
MID ZONE, M1321				
RELAY - (REF 31-01-19, FIG. 101)				
OXYGEN DEPLOYED INDICATION, K8				
OXYGEN MANUAL DEPLOYED INDICATION, K42				
PASSENGER SIGNS, K383, K384				
RELAY - (REF 31-01-36, FIG. 101)				
FLIGHT RECORDER CONTROL, K163				
RELAY - (REF 31-01-37, FIG. 101)				
FLIGHT RECORDER CONTROL, K164				
RELAY - VIDEO ANNCT, K671	2	1	119AL, MAIN EQUIP CTR, E2-5	*
REPRODUCER - (REF 23-34-00, FIG. 101)				
ENTERTAINMENT TAPE, M170				
SPEAKER - CEILING AFT, B235	1	1	PASS CABIN	23-31-08
SPEAKER - CEILING, FWD L, B246	1	1	PASS CABIN	23-31-08
SPEAKER - CEILING, FWD L, B289	1	1	PASS CABIN	23-31-08
SPEAKER - CEILING MID, B243	1	1	PASS CABIN	23-31-08
SPEAKER - GALLEY, AFT L, B229	1	1	PASS CABIN	23-31-04
SPEAKER - GALLEY, AFT R, B230	1	1	PASS CABIN	23-31-04
SPEAKER - GALLEY, FWD, B70	1	1	PASS CABIN	23-31-04
SPEAKER - LAVATORY, AFT L, M1186	1	1	PASS CABIN	23-31-05
SPEAKER - LAVATORY, AFT R, M1188	1	1	PASS CABIN	23-31-05
SPEAKER - LAVATORY, FWD, M289	1	1	PASS CABIN	23-31-05
SPEAKER - LAVATORY, MID CTR, M1312	1	1	PASS CABIN	23-31-05
SPEAKER - LAVATORY, MID L, M1156	1	1	PASS CABIN	23-31-05
SPEAKER - LAVATORY, MID R, M1157	1	1	PASS CABIN	23-31-05
SPEAKER - PSU, B69	1			*
UNIT - (REF 23-42-00, FIG. 101)			PASS CABIN	23-31-02
AUDIO ACCESSORY, M108				

* SEE THE WDM EQUIPMENT LIST

Passenger Address System - Component Index
Figure 101 (Sheet 3)

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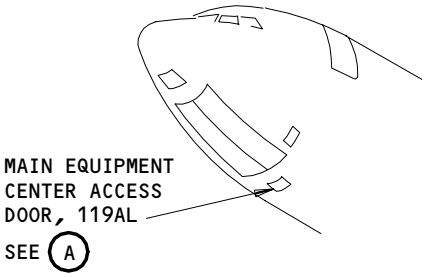
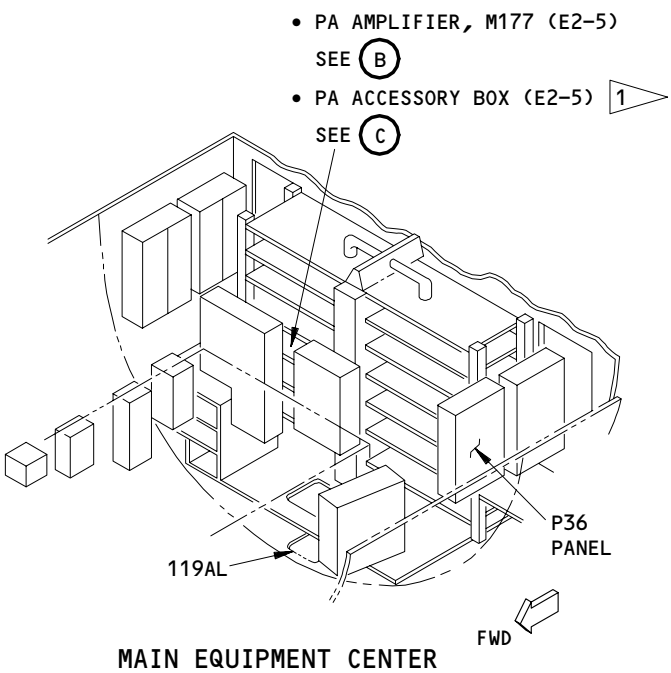
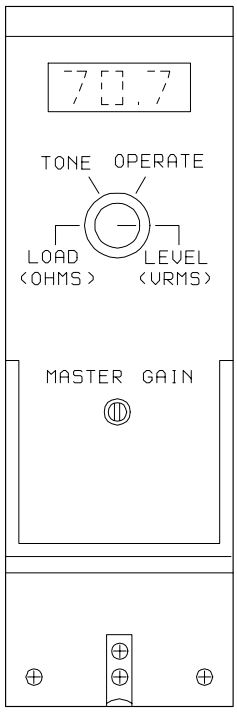




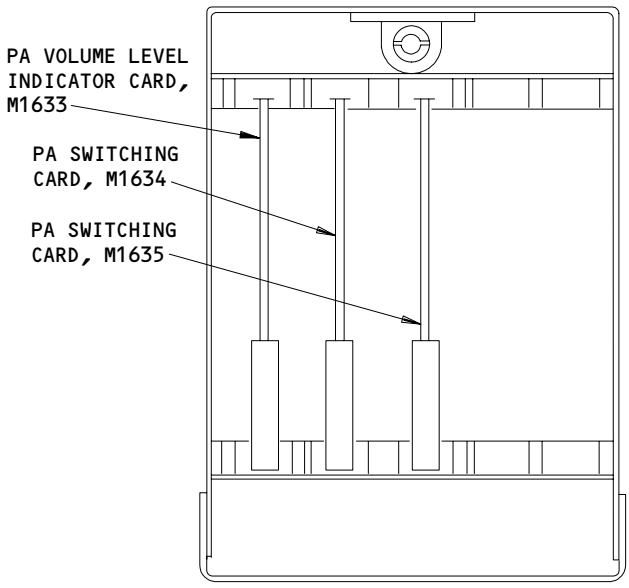
MAIN EQUIPMENT CENTER

A



PA AMPLIFIER, M177

B



PA ACCESSORY BOX
(FRONT COVER SHOWN REMOVED)

C

1 SAS ALL

Passenger Address System - Component Location
Figure 102 (Sheet 1)

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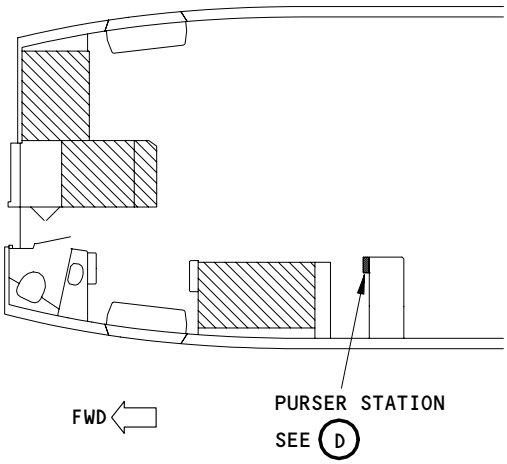
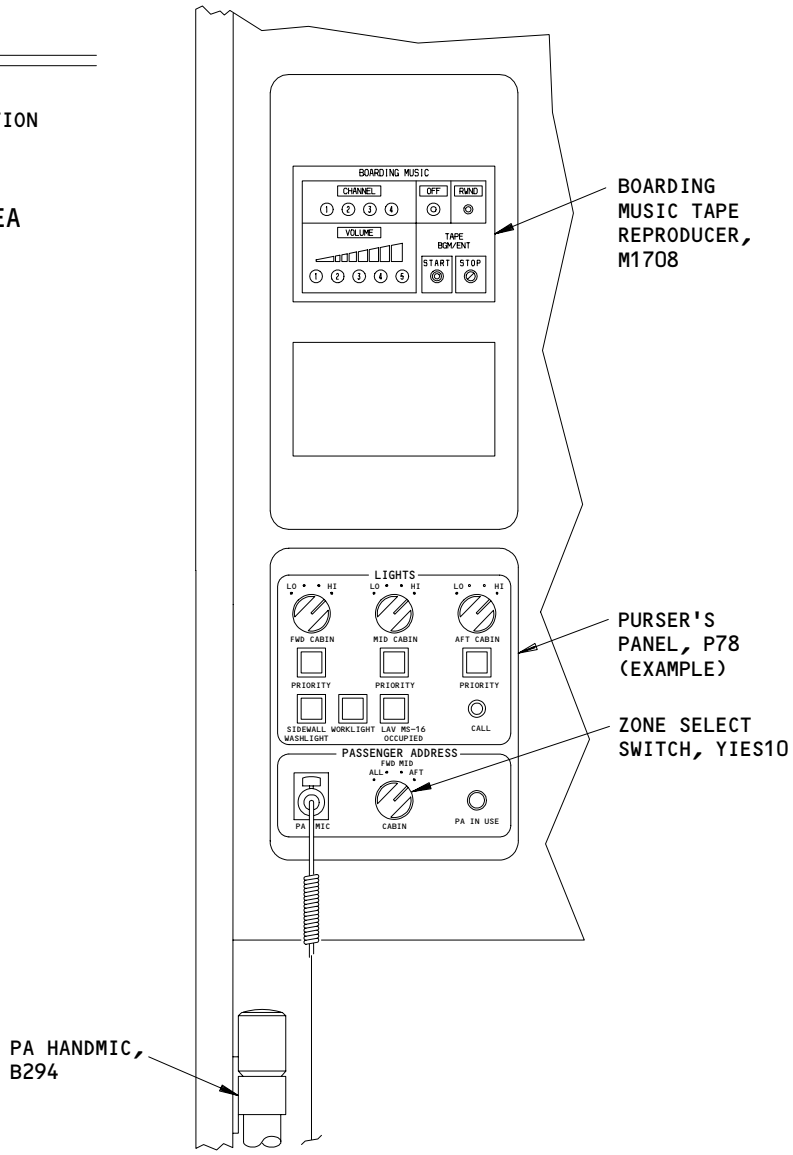


FORWARD ENTRY DOOR AREA



PARTIAL VIEW OF PURSER STATION

D

Passenger Address System – Component Location
Figure 102 (Sheet 2)

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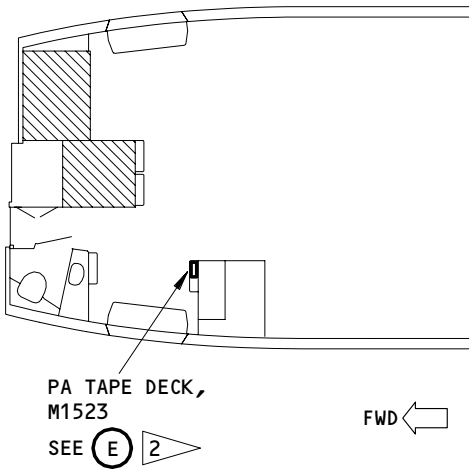
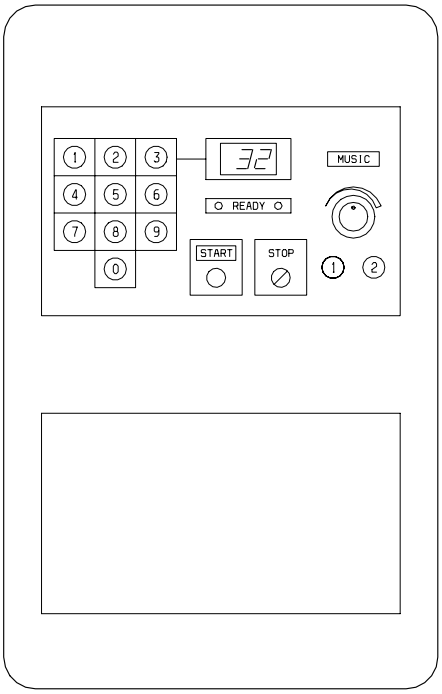
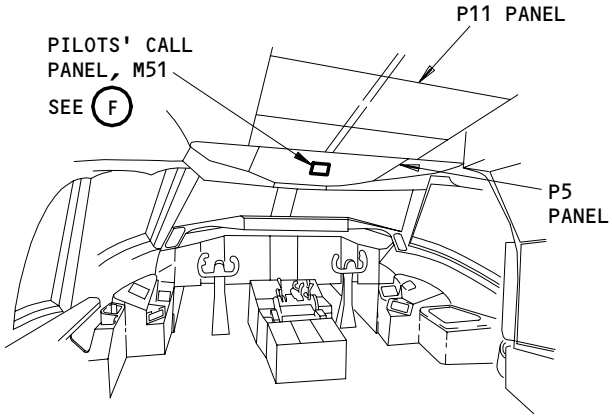


FORWARD ENTRY DOOR AREA

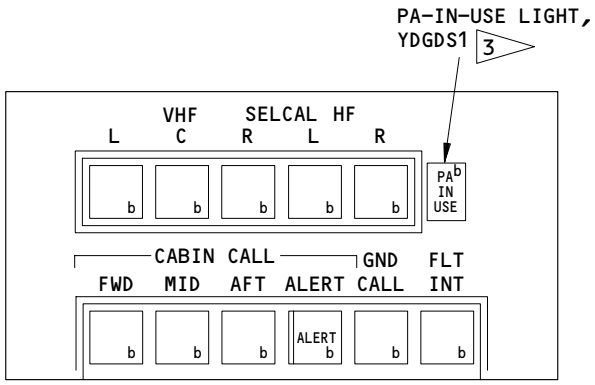


PA TAPE DECK, M1523

E



FLIGHT COMPARTMENT



PILOTS' CALL PANEL, M51
(EXAMPLE)

F

2 MTH 275-278,281-999

3 MTH 279,280

Passenger Address System - Component Location
Figure 102 (Sheet 3)

F52352

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PASSENGER ADDRESS AMPLIFIER BITE PROCEDURE

PREREQUISITES

MAKE SURE THIS CIRCUIT BREAKER IS CLOSED:
11C22

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

1 SET THE FUNCTION SELECTOR SWITCH TO THE "LEVEL" POSITION ON THE PA AMPLIFIER FRONT PANEL AT E2-5.
DOES THE PA AMPLIFIER FRONT PANEL SHOW 69 TO 71 VRMS?

NO → 10 ADJUST THE "MASTER GAIN" FOR 69 TO 71 VRMS.
DOES THE PA AMPLIFIER FRONT PANEL SHOW 69 TO 71 VRMS?

NO → 20 REPLACE THE PA AMPLIFIER, M177 (AMM 23-31-01/401).

YES → 10

YES → 1

2 SET THE FUNCTION SELECTOR SWITCH TO THE "LOAD" POSITION.
DOES THE PA AMPLIFIER FRONT PANEL SHOW 30 OHMS OR MORE?

NO → 21 EXAMINE THE SPEAKER WIRING FOR SHORT CIRCUITS FROM PIN A13 TO B13 (IF USED) AND PIN A15 TO B15, OF CONNECTOR D455B, AT E2-5 (WDM 23-31-14 THRU 23-31-17).
REPAIR THE PROBLEMS THAT YOU FIND.

YES → 2

3 SET THE FUNCTION SELECTOR SWITCH TO THE "TONE" POSITION.
DO YOU HEAR SOUND FROM ALL THE PA SPEAKERS?

NO → 11 DO YOU HEAR NO SOUND AT ONE OF THE SPEAKERS?

YES → 22 REPLACE THE BAD SPEAKER. REFER TO TABLE 101.

NO → 12 DO YOU HEAR NO SOUND FROM ALL OF THE SPEAKERS?

YES → 23 REPLACE THE PA AMPLIFIER, M177 (AMM 23-31-01/401).

NO → 24 EXAMINE THE SPEAKER WIRING FOR OPEN CIRCUITS FROM A SPEAKER WITH THE SOUND TO A SPEAKER WITHOUT (WDM 23-31-14 THRU 23-31-17).
REPAIR THE PROBLEMS THAT YOU FIND.

YES → 3

4 SET THE FUNCTION SELECTOR SWITCH TO THE "OPERATE" POSITION.
THE SYSTEM IS OK.

NOTE: BITE DOES A TEST OF THESE SYSTEM COMPONENTS:
- PA AMPLIFIER
- SPEAKERS
- SPEAKER WIRING.

BITE DOES NOT DO A TEST OF THESE SYSTEM COMPONENTS:
- AUDIO ACCESSORY UNIT
- ZONE MULTIPLEXER.

SPEAKER LOCATION	AMM REFERENCE
PSU	23-31-02/401
ATTENDANT	23-31-03/401
GALLEY	23-31-04/401
LAVATORY	23-31-05/401
CEILING	23-31-08/401

TABLE 101

Passenger Address Amplifier BITE Procedure
Figure 103

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PASSENGER ENTERTAINMENT (VIDEO PROJECTION)

COMPONENT	FIG. 102 SHT	QTY	ACCESS/AREA	REFERENCE
AMPLIFIER - (REF 23-31-00, FIG. 101)				
PASS ADRS, M177				
CIRCUIT BREAKERS	1		FLT COMPT, P11	
VIDEO PROJECTION, C540		1	11T34	*
CIRCUIT BREAKERS	1		119AL, MAIN EQUIP CTR, P37	
AFT VIDEO PROJECTOR, C555		1	37K7	*
FWD VIDEO PROJECTOR, C549		1	37K5	*
MID VIDEO PROJECTOR, C550		1	37K6	*
COUPLER - VIDEO ANTENNA, M820	1	1	VERT STAB, 322 BL	23-32-04
COMPUTER - (REF 34-12-00, FIG. 101)				
RIGHT AIR DATA, M101				
COMPUTER - (REF 34-61-00, FIG. 101)				
LEFT FLIGHT MANAGEMENT, M134				
DRIVER - (REF 23-34-00, FIG. 101)				
ZONE, M1308,M1710				
MONITOR - PASSENGER VIDEO, M1432 [2] ,M1562, M1563,M1611,M1612 [2] , M1659 [1]	1	5	PASS CABIN	*
MULTIPLEXER - (REF 23-34-00, FIG. 101)				
AFT ZONE, M1307				
FWD ZONE, M642				
MID ZONE, M1321				
PANEL - ENTERTAINMENT, M1111	1	1	FLT COMPT, P5	*
PROJECTOR - VIDEO, M819	1	1	PASS CABIN	23-32-02
RELAY - (REF 31-01-19, FIG. 101)				
OXY DEPLOYED IND, K8				
OXY MAN DEPLOYED IND, K42				
REPRODUCER - VIDEO TAPE, M1108,M1059,M1613	3	3	PASS CABIN, VIDEO CONTROL CTR	23-32-01
SPLITTER - COAX SIGNAL, M1526,M1527 [2] , M1615 [2]		3	PASS CABIN, ABOVE CEILING	*
SWITCH - MODE SELECTOR, M1614	2	1	PASS CABIN, VIDEO CONTROL CTR	*
TRANSFORMER - VIDEO, T232	3	1	119AL, MAIN EQUIP CTR, E1-4	*
TUNER - TV, M1113	1	1	PASS CABIN, VIDEO CONTROL CTR	23-32-06
UNIT - CONTROL DISTRIBUTION, M815	3	1	PASS CABIN, VIDEO CONTROL CTR	23-32-03
UNIT - DIGITAL INTERFACE, M1457	3	1	119AL, MAIN EQUIP CTR, E1-4	23-32-07
UNIT - LEFT HI BAND VIDEO MATCHING, M847	1	1	VERT STAB	*
UNIT - LEFT LO BAND VIDEO MATCHING, M970	1	1	VERT STAB	*
UNIT - RIGHT HI BAND VIDEO MATCHING, M846	1	1	VERT STAB	*
UNIT - RIGHT LO BAND VIDEO MATCHING, M969	1	1	VERT STAB	*

* SEE THE WDM EQUIPMENT LIST

[1] 767-200 AIRPLANES

[2] 767-300 AIRPLANES

Passenger Entertainment (Video Projection) - Component Index
Figure 101

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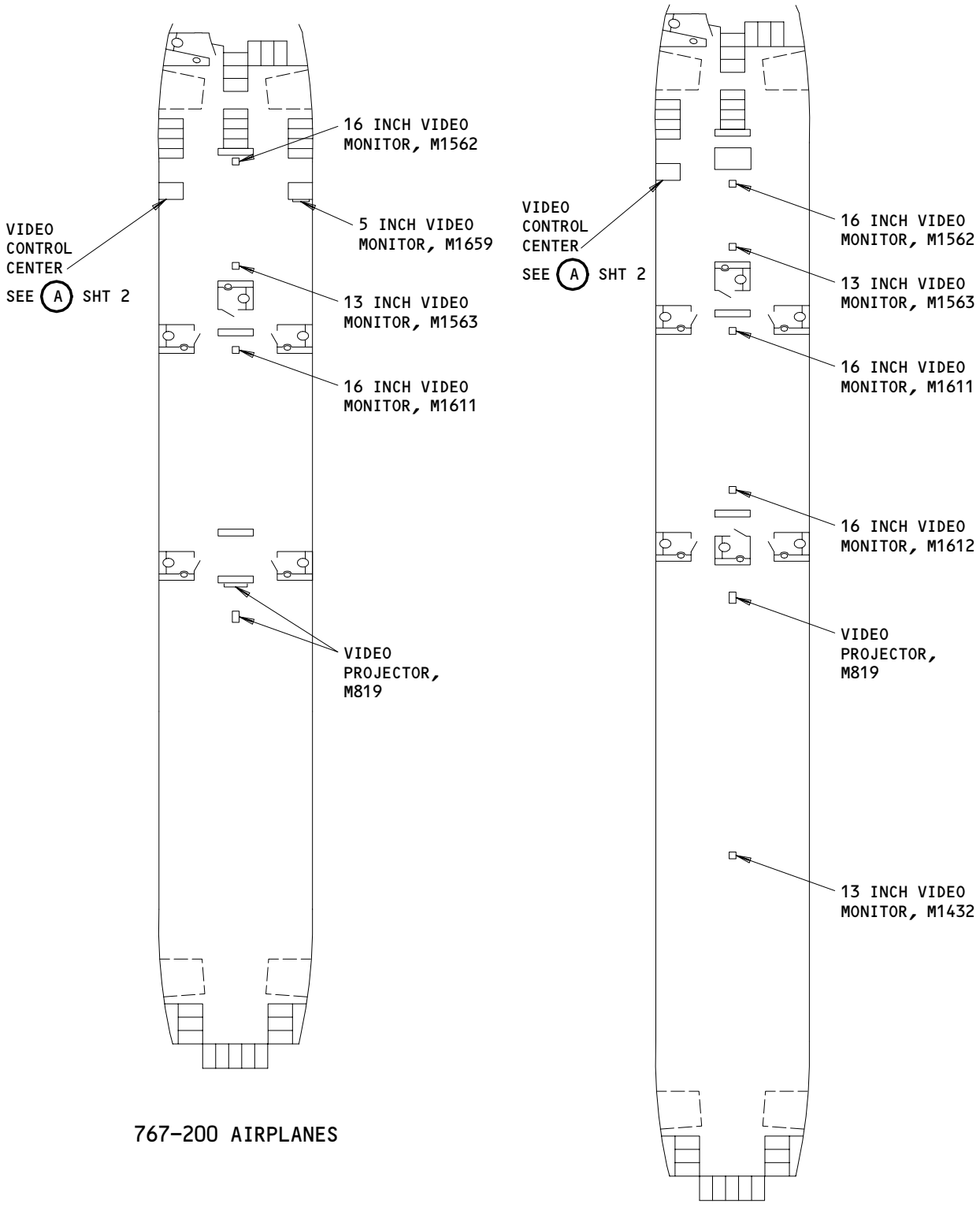

Passenger Entertainment (Video Projection) - Component Location
Figrue 102 (Sheet 1)

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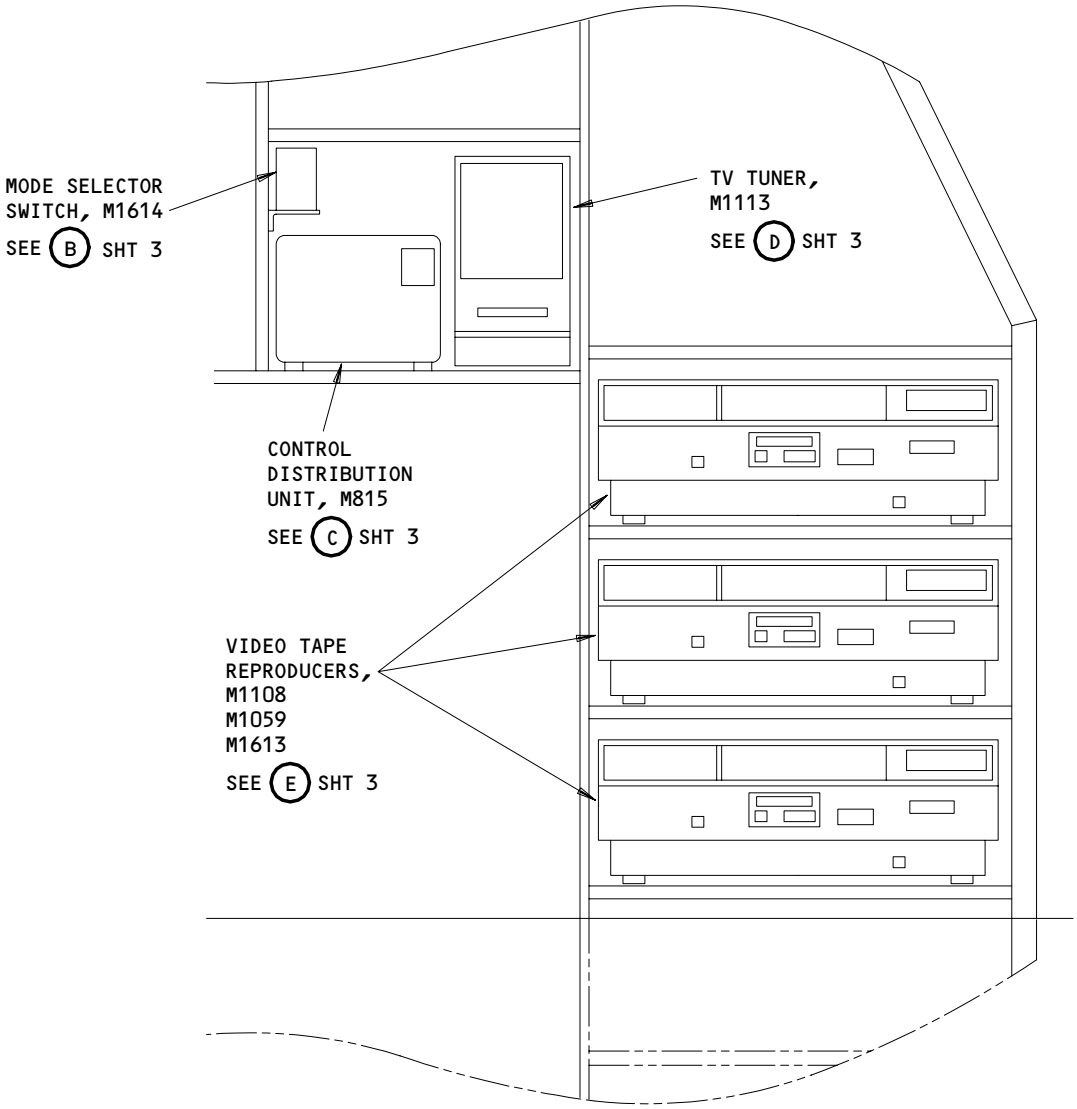

VIDEO CONTROL CENTER

A

Passenger Entertainment (Video Projection) –
Component Location (Detail from Sheet 1)
Figrue 102 (Sheet 2)

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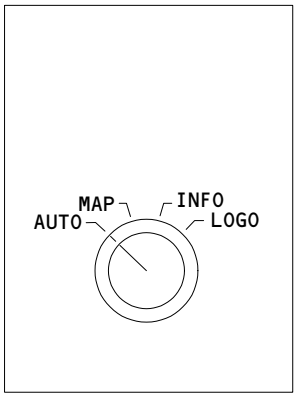
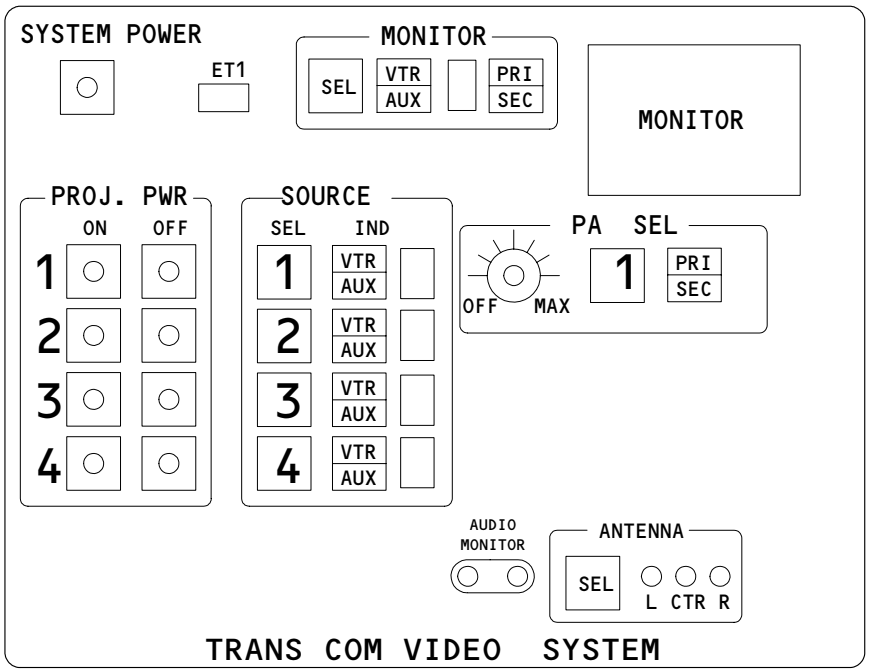


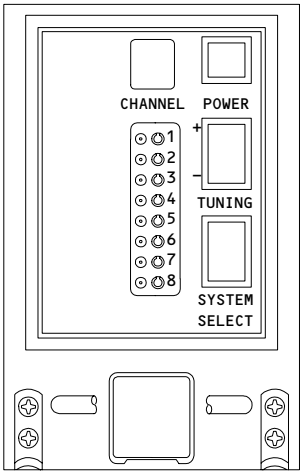
MODE SELECTOR
SWITCH, M1614

B



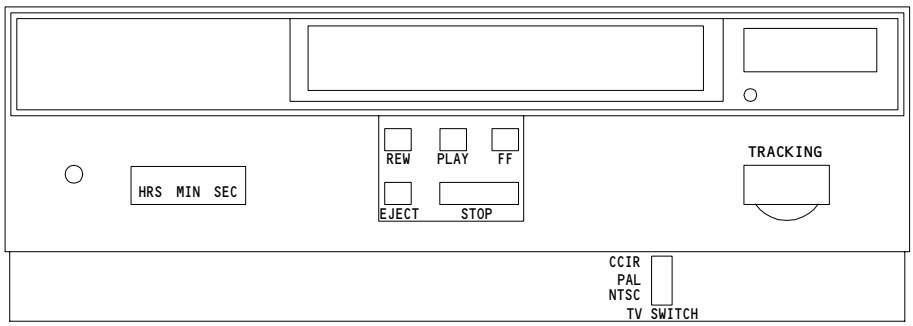
CONTROL DISTRIBUTION UNIT, M815

C



TV TUNER, M1113

D



VIDEO TAPE REPRODUCER,
M1108,M1059,M1613

E

Passenger Entertainment (Video Projection) -
Component Location (Details from Sht 2)
Figure 102 (Sheet 3)

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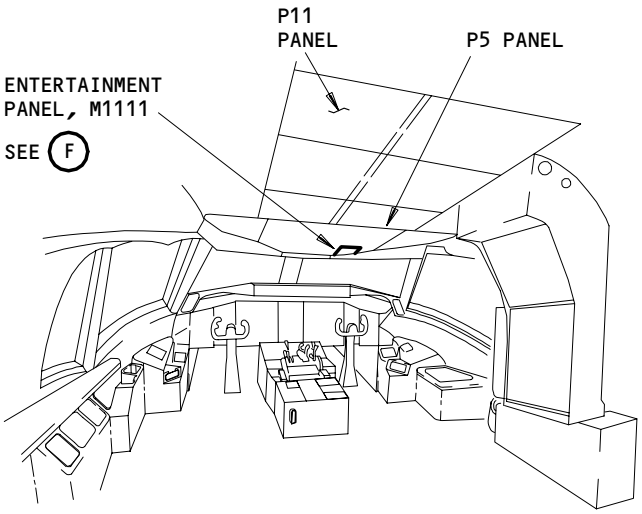
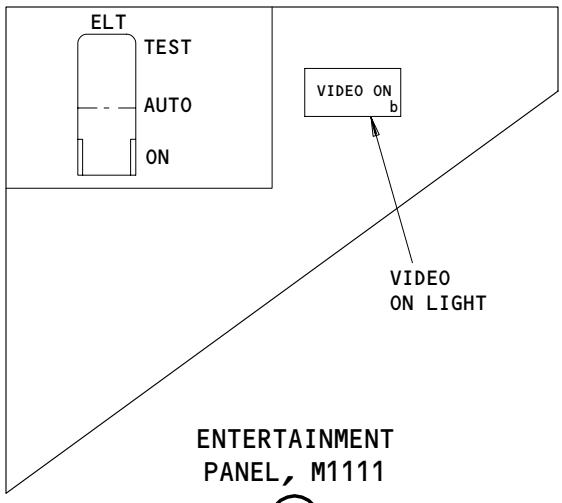
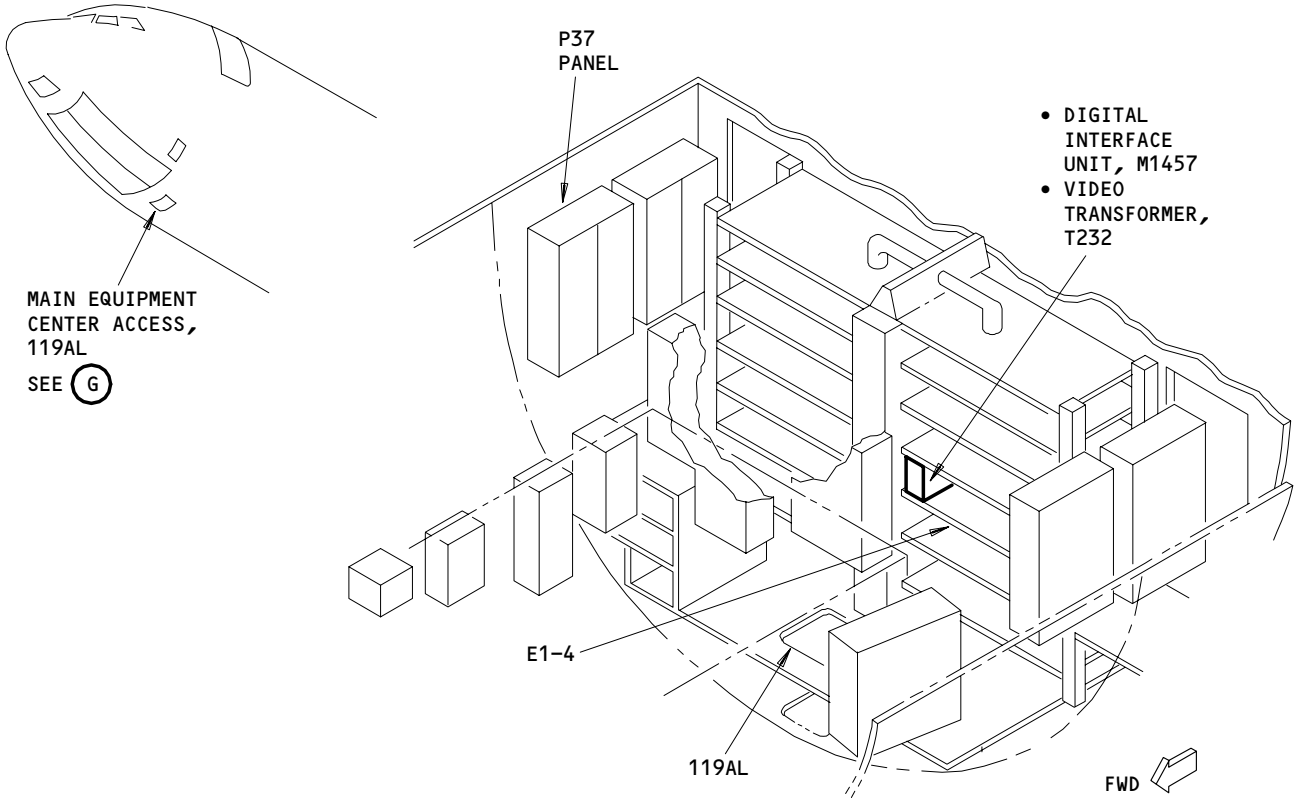


FLIGHT COMPARTMENT



ENTERTAINMENT
PANEL, M1111
F



MAIN EQUIPMENT CENTER
G

Passenger Entertainment (Video Projection) - Component Location
Figure 102 (Sheet 4)

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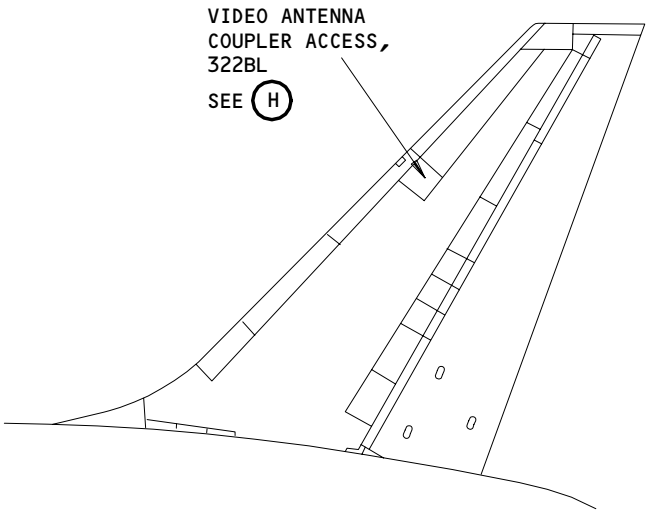
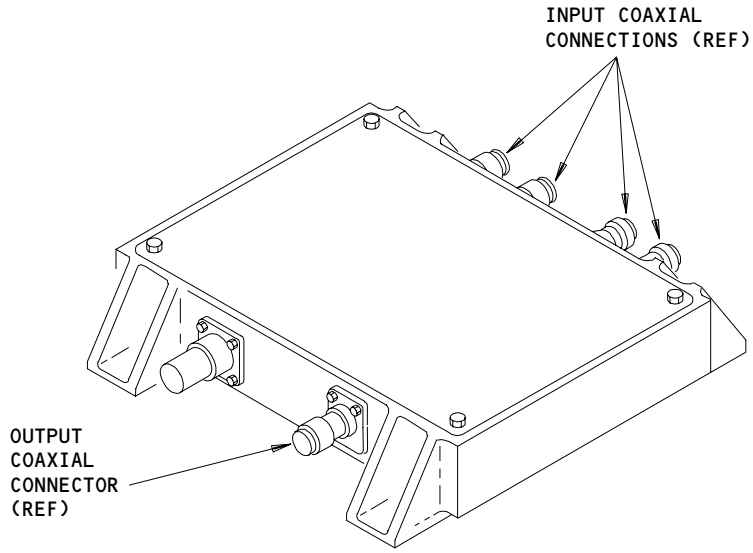


VERTICAL STABILIZER



VIDEO ANTENNA COUPLER, M820

(H)

Passenger Entertainment (Video Projection) - Component Location
Figure 102 (Sheet 5)

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PASSENGER ENTERTAINMENT (VIDEO PROJECTION)

COMPONENT	FIG. 102 SHT	QTY	ACCESS/AREA	REFERENCE
AMPLIFIER - (23-31-00/101)				
PASS. ADRS, M177				
CIRCUIT BREAKER -	6		FLT COMPT, P11	
VIDEO PROJ, C540		1	11T34	*
CIRCUIT BREAKERS -	6		119AL, MAIN EQUIP CTR, P37	
VIDEO AC CONT CTR, C1550		1	37K6	*
VIDEO AC 1, C1551		1	37L1	*
VIDEO AC 2, C1552		1	37L2	*
VIDEO AC 3, C1553		1	37L3	*
VIDEO AC 4, C1554		1	37L4	*
COUPLER - VIDEO ANTENNA, M820	7	1	VERT STAB, 322 BL	23-32-04
COMPUTER - (34-12-00/101)				
RIGHT AIR DATA, M101				
COMPUTER - (34-61-00/101)				
LEFT FLIGHT MANAGEMENT, M134				
MONITOR-1 - VIDEO, M1659	1,3	1	PASS. CABIN	23-32-10
MONITOR-2 - VIDEO, M1660	1,3	1	PASS. CABIN	23-32-10
MONITOR-3 - VIDEO, M1662	1,3	1	PASS. CABIN	23-32-10
MONITOR-4 - VIDEO, M1663	1,3	1	PASS. CABIN	23-32-10
MONITOR-5 - VIDEO, M1665 1 (PROV 2)	1,3	1	PASS. CABIN	23-32-10
MONITOR-6 - VIDEO, M1666	1,3	1	PASS. CABIN	23-32-10
MONITOR-7 - VIDEO, M1668	1,3	1	PASS. CABIN	23-32-10
MONITOR-8 - VIDEO, M1669 (PROV)	1,3	1	PASS. CABIN	23-32-10
MONITOR-9 - VIDEO, M1671 1 (PROV 2)	1,3	1	PASS. CABIN	23-32-10
MONITOR-10 - VIDEO, M1672 1 (PROV 2)	1,3	1	PASS. CABIN	23-32-10
MONITOR-11 - VIDEO, M1674 1 (PROV 2)	1,3	1	PASS. CABIN	23-32-10
MONITOR-12 - VIDEO, M1675 1 (PROV 2)	1,3	1	PASS. CABIN	23-32-10
MONITOR-13 - VIDEO, M1677 2 (PROV 1)	1,3	1	PASS. CABIN	23-32-10
MONITOR-14 - VIDEO, M1908 2	3	1	PASS. CABIN	23-32-10
MONITOR-15 - VIDEO, M1680	1,3	1	PASS. CABIN	23-32-10
MONITOR-16 - VIDEO, M1681	1,3	1	PASS. CABIN	23-32-10
MONITOR-17 - VIDEO, M1683	1,3	1	PASS. CABIN	23-32-10
MONITOR-18 - VIDEO, M1684	1,3	1	PASS. CABIN	23-32-10
MONITOR-19 - VIDEO, M1686	1,3	1	PASS. CABIN	23-32-10
MONITOR-20 - VIDEO, M1687	1,3	1	PASS. CABIN	23-32-10
MONITOR-21 - VIDEO, M1689 2	3	1	PASS. CABIN	23-32-10
MONITOR-22 - VIDEO, M1690 2	3	1	PASS. CABIN	23-32-10
MONITOR-23 - VIDEO, M1692	1,3	1	PASS. CABIN	23-32-10
MONITOR-24 - VIDEO, M1693	1,3	1	PASS. CABIN	23-32-10
MONITOR-25 - VIDEO, M1695	1,3	1	PASS. CABIN	23-32-10
MONITOR-26 - VIDEO, M1696	1,3	1	PASS. CABIN	23-32-10
MONITOR-27 - VIDEO, M1775 (PROV) 2	3	1	PASS. CABIN	23-32-10
MONITOR-28 - VIDEO, M1776 2	3	1	PASS. CABIN	23-32-10
MULTIPLEXERS - (23-34-00/101)				
AFT ZONE, M1307				
FWD ZONE, M642				
MID ZONE, M1321				
PANEL - ENTERTAINMENT, M1111	6	1	FLT COMPT, P5	*
PLUG - TERMINATION, M1697,M1698	1,3	2	PASS. CABIN, ABOVE CEILING	*
RELAY - (23-31-00/101)				
VIDEO ANNCT, K671				
RELAYS - (31-01-19/101)				
OXY DEPLOYED IND, K8				
OXY MAN DEPLOYED IND, K42				

* SEE THE WDM EQUIPMENT LIST

1 MTH 275-278
2 MTH 279-299
3 MTH 275-276
4 MTH 277-299

Passenger Entertainment (Video Projection) - Component Index
Figure 101 (Sheet 1)

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PASSENGER ENTERTAINMENT (VIDEO PROJECTION)

COMPONENT	FIG. 102 SHT	QTY	ACCESS/AREA	REFERENCE
REPRODUCER-1 - VIDEO TAPE (VTR-1), M1108	2,4	1	PASS. CABIN, VIDEO CONTROL CTR, FWD CLOSET	23-32-01
REPRODUCER-2 - VIDEO TAPE (VTR-2), M1059	2,4	1	PASS. CABIN, VIDEO CONTROL CTR, FWD CLOSET	23-32-01
REPRODUCER-3 - VIDEO TAPE (VTR-3), M1613 (PROV) 2				
SWITCH - MODE SELECTOR, M1614 3	5	1	PASS. CABIN, VIDEO CONTROL CTR, FWD CLOSET	*
TRANSFORMER - VIDEO, T232	6	1	119AL, MAIN EQUIP CTR, E1-4 IN DIU TRAY	*
UNIT - CABIN CONTROL (CCU), M1614 4	2	1	PASS. CABIN, VIDEO CONTROL CTR, FWD CLOSET	23-32-09
UNIT - CONTROL DISTRIBUTION (CDU), M815	2,4	1	PASS. CABIN, VIDEO CONTROL CTR, FWD CLOSET	23-32-03
UNIT - DIGITAL INTERFACE (DIU), M1457	6	1	119AL, MAIN EQUIP CTR, E1-4	23-32-07
UNIT - LEFT HI BAND VIDEO MATCHING, M847	--	1	VERT STAB	*
UNIT - LEFT LO BAND VIDEO MATCHING, M970	--	1	VERT STAB	*
UNIT - RIGHT HI BAND VIDEO MATCHING, M846	--	1	VERT STAB	*
UNIT - RIGHT LO BAND VIDEO MATCHING, M969	--	1	VERT STAB	*
UNIT-1 - VIDEO DISTRIBUTION (VDU-1), M1658	1,3	1	PASS. CABIN, ABOVE CEILING	23-32-08
UNIT-2 - VIDEO DISTRIBUTION (VDU-2), M1661	1,3	1	PASS. CABIN, ABOVE CEILING	23-32-08
UNIT-3 - VIDEO DISTRIBUTION (VDU-3), M1664	1,3	1	PASS. CABIN, ABOVE CEILING	23-32-08
UNIT-4 - VIDEO DISTRIBUTION (VDU-4), M1667	1,3	1	PASS. CABIN, ABOVE CEILING	23-32-08
UNIT-5 - VIDEO DISTRIBUTION (VDU-5), M1670	1,3	1	PASS. CABIN, ABOVE CEILING	23-32-08
UNIT-6 - VIDEO DISTRIBUTION (VDU-6), M1673	1,3	1	PASS. CABIN, ABOVE CEILING	23-32-08
UNIT-7 - VIDEO DISTRIBUTION (VDU-7), M1676	1,3	1	PASS. CABIN, ABOVE CEILING	23-32-08
UNIT-8 - VIDEO DISTRIBUTION (VDU-8), M1711 2	3	1	PASS. CABIN, ABOVE CEILING	23-32-08
UNIT-9 - VIDEO DISTRIBUTION (VDU-9), M1679	1,3	1	PASS. CABIN, ABOVE CEILING	23-32-08
UNIT-10 - VIDEO DISTRIBUTION (VDU-10), M1682	1,3	1	PASS. CABIN, ABOVE CEILING	23-32-08
UNIT-11 - VIDEO DISTRIBUTION (VDU-11), M1685	1,3	1	PASS. CABIN, ABOVE CEILING	23-32-08
UNIT-12 - VIDEO DISTRIBUTION (VDU-12), M1688 2	3	1	PASS. CABIN, ABOVE CEILING	23-32-08
UNIT-13 - VIDEO DISTRIBUTION (VDU-13), M1691	1,3	1	PASS. CABIN, ABOVE CEILING	23-32-08
UNIT-14 - VIDEO DISTRIBUTION (VDU-14), M1694	1,3	1	PASS. CABIN, ABOVE CEILING	23-32-08

* SEE THE WDM EQUIPMENT LIST

Passenger Entertainment (Video Projection) - Component Index
Figure 101 (Sheet 2)

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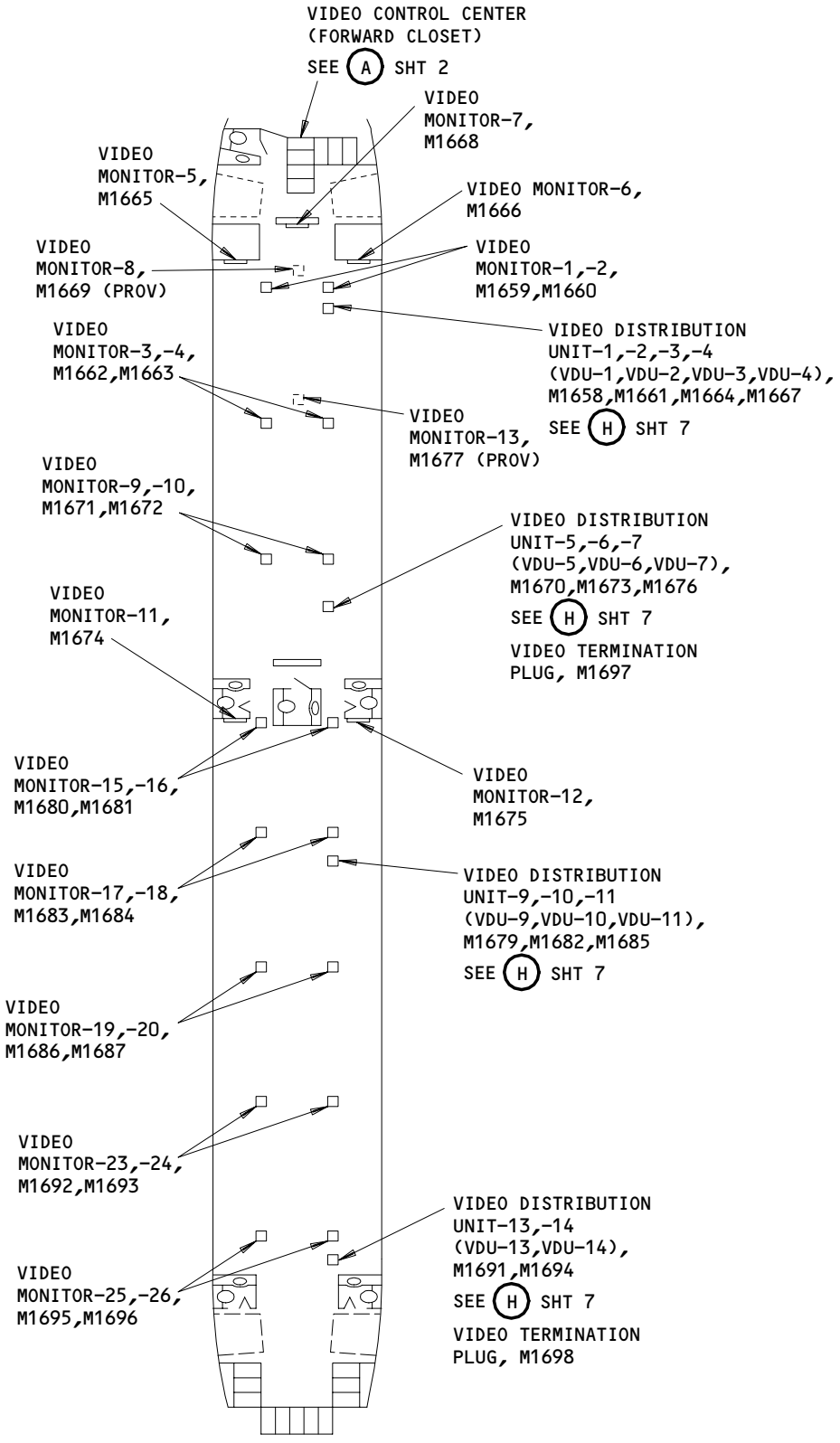
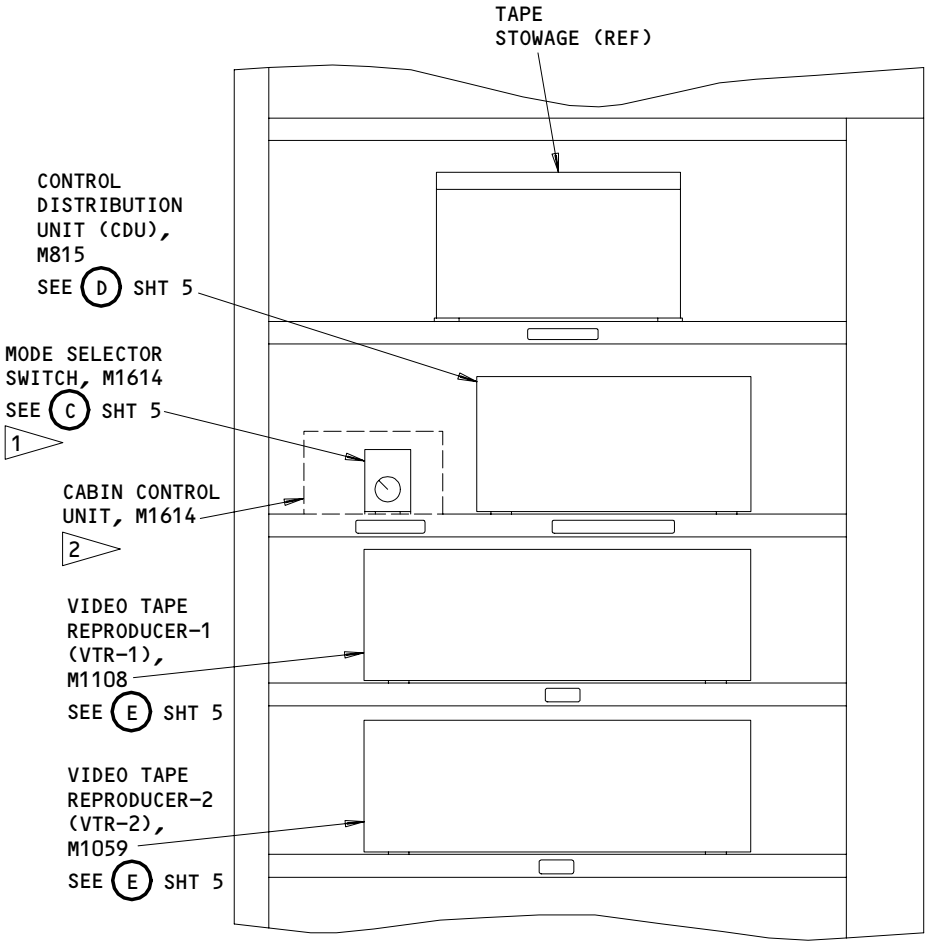


Passenger Entertainment (Video Projection) - Component Location
Figrue 102 (Sheet 1)

BOEING PROPRIETARY - Copyright (C) - Unpublished Work - See title page for details.



1 MTH 275,276
2 MTH 277,278

Passenger Entertainment (Video Projection) - Component Location (Detail from Sht 1)
Figrue 102 (Sheet 2)

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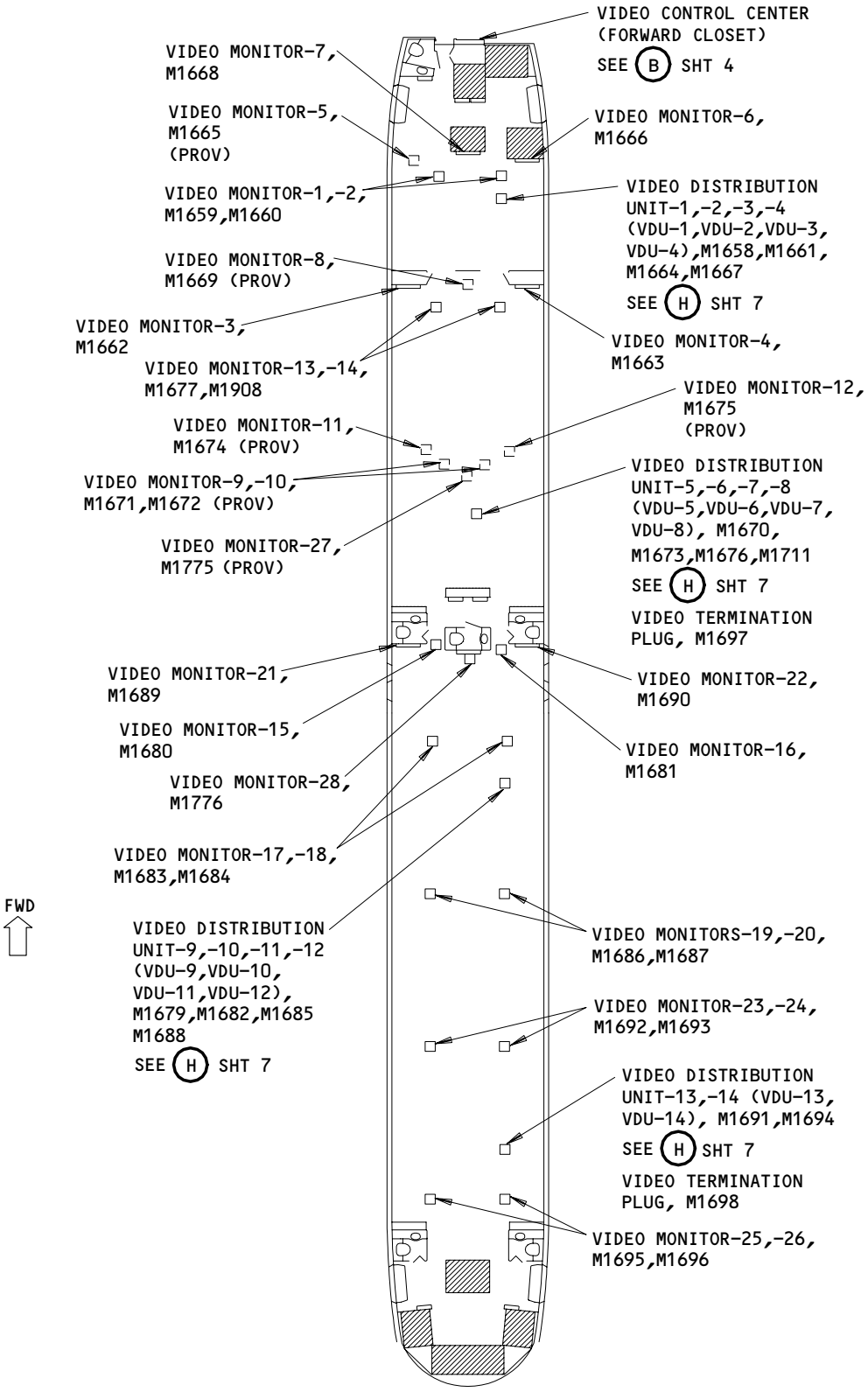
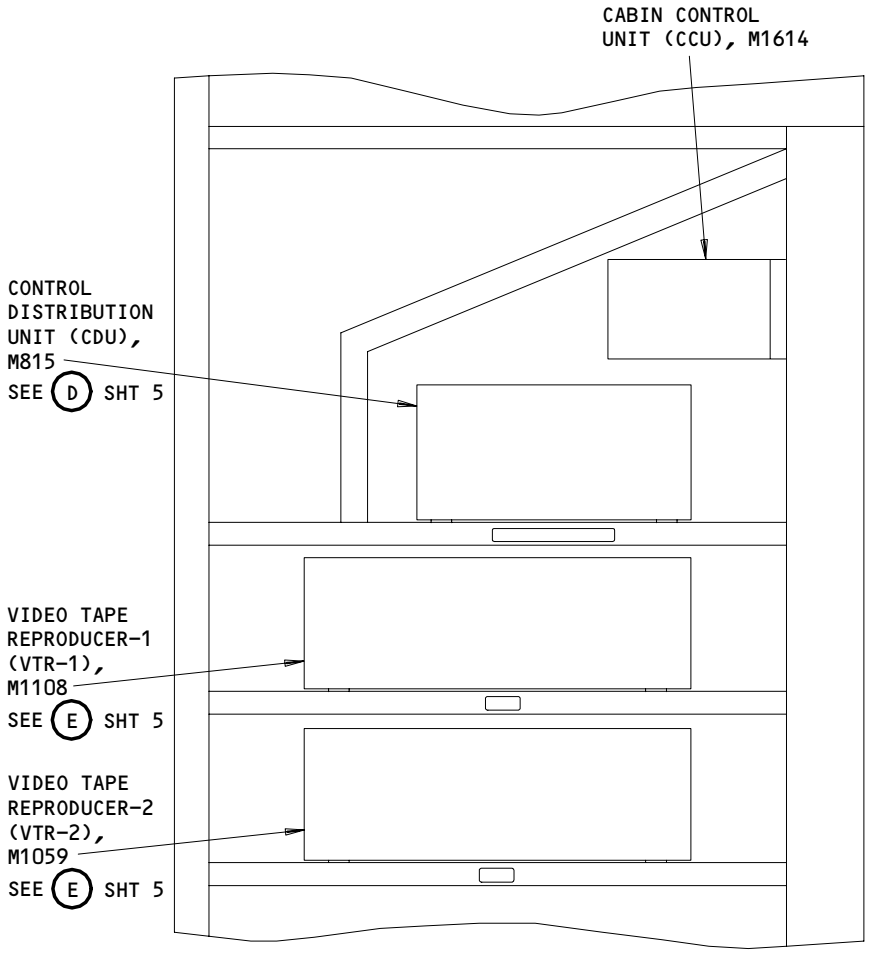


Passenger Entertainment (Video Projection) - Component Location
Figrue 102 (Sheet 3)

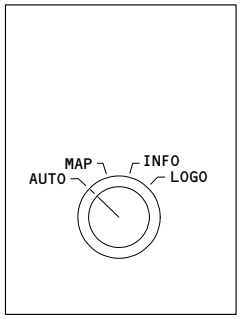
BOEING PROPRIETARY - Copyright (C) - Unpublished Work - See title page for details.



VIDEO CONTROL CENTER
(FORWARD CLOSET)
B

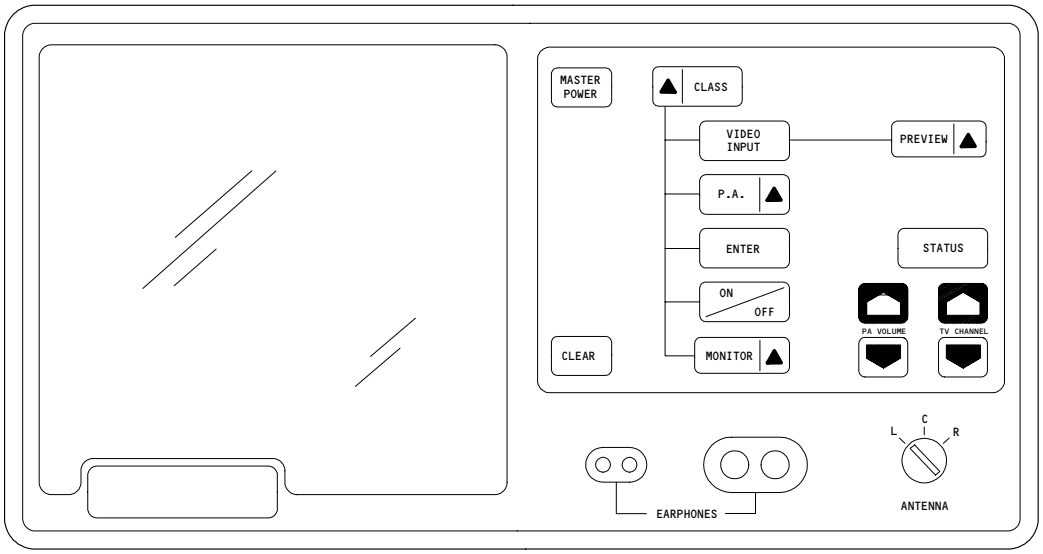
Passenger Entertainment (Video Projection) - Component Location (Detail from Sht 3)
Figrue 102 (Sheet 4)

BOEING PROPRIETARY - Copyright (C) - Unpublished Work - See title page for details.



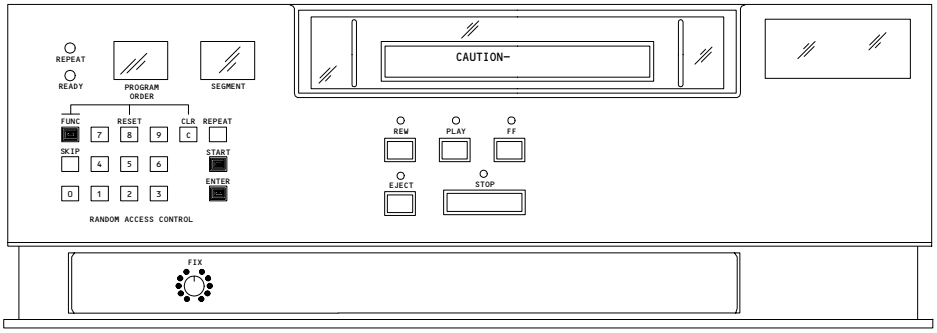
MODE SELECTOR SWITCH, M1614

C 1



CONTROL DISTRIBUTION UNIT (CDU), M815

D



VIDEO TAPE REPRODUCER–1,–2 (VTR–1,VTR–2), M1108,M1059

E

1 MTH 275,276

Passenger Entertainment (Video Projection) – Component Location
(Details from Shts 2 and 4)
Figure 102 (Sheet 5)

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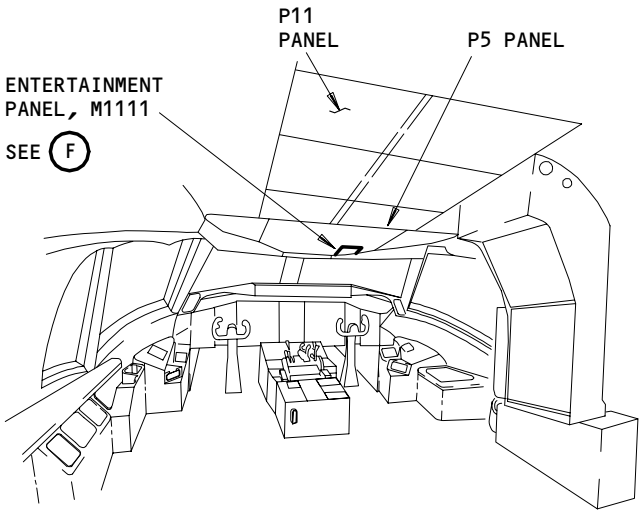
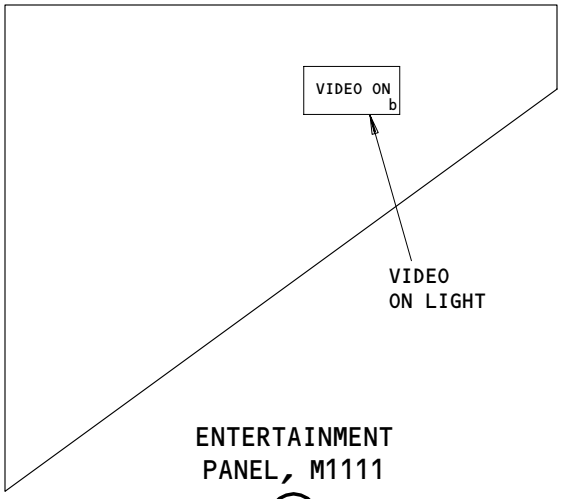
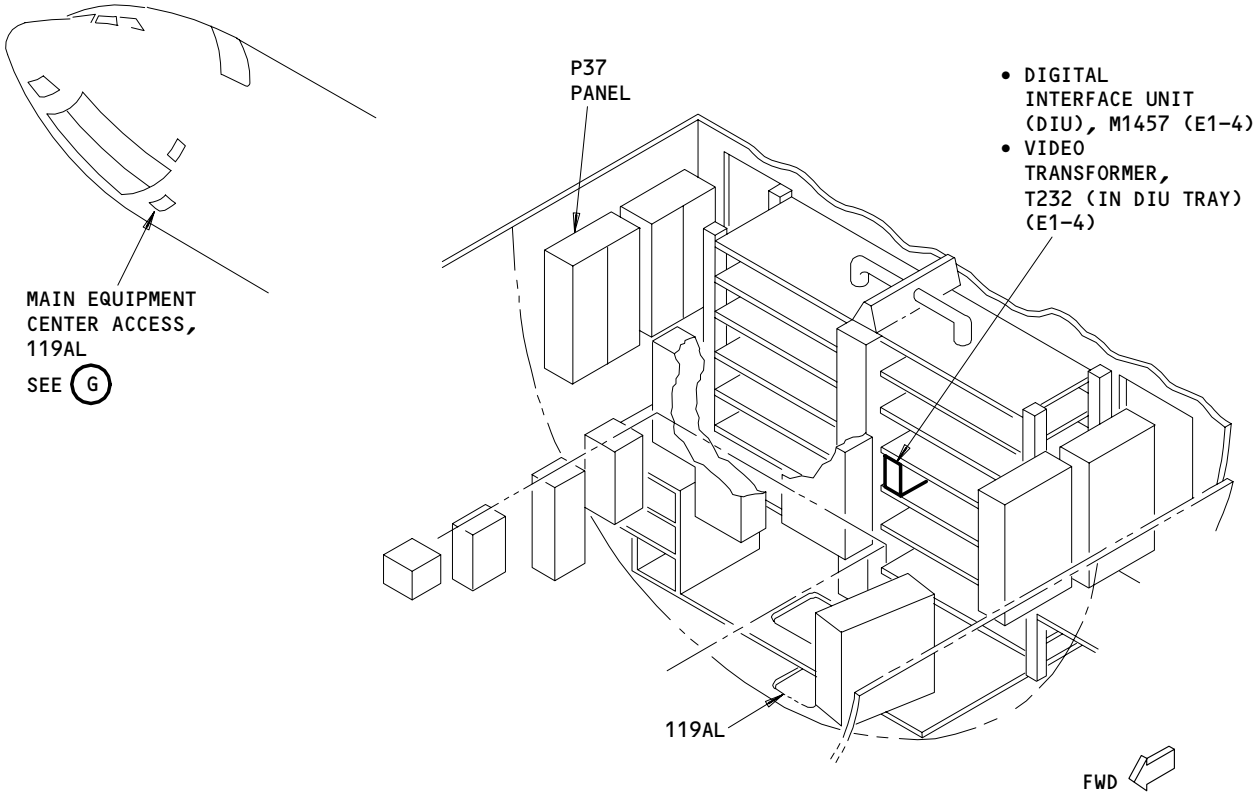


FLIGHT COMPARTMENT



ENTERTAINMENT
PANEL, M1111
F



MAIN EQUIPMENT CENTER
G

Passenger Entertainment (Video Projection) - Component Location
Figure 102 (Sheet 6)

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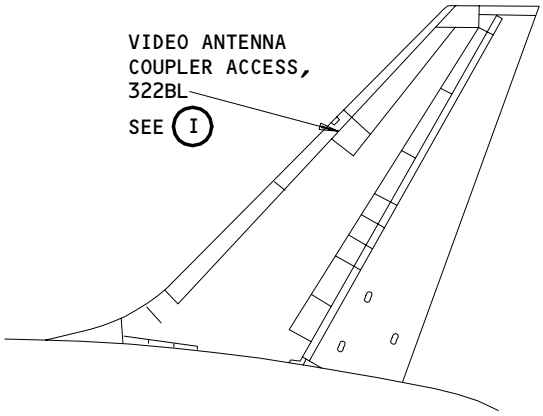
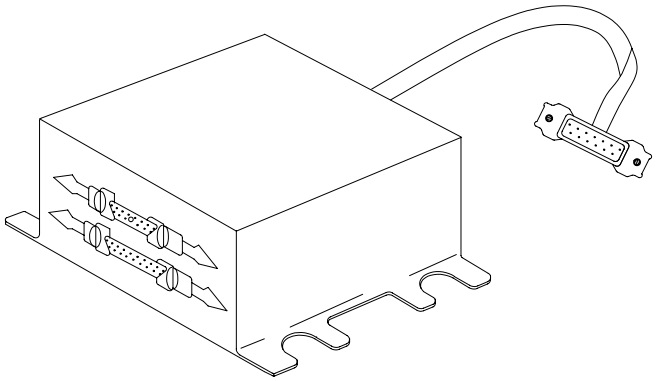
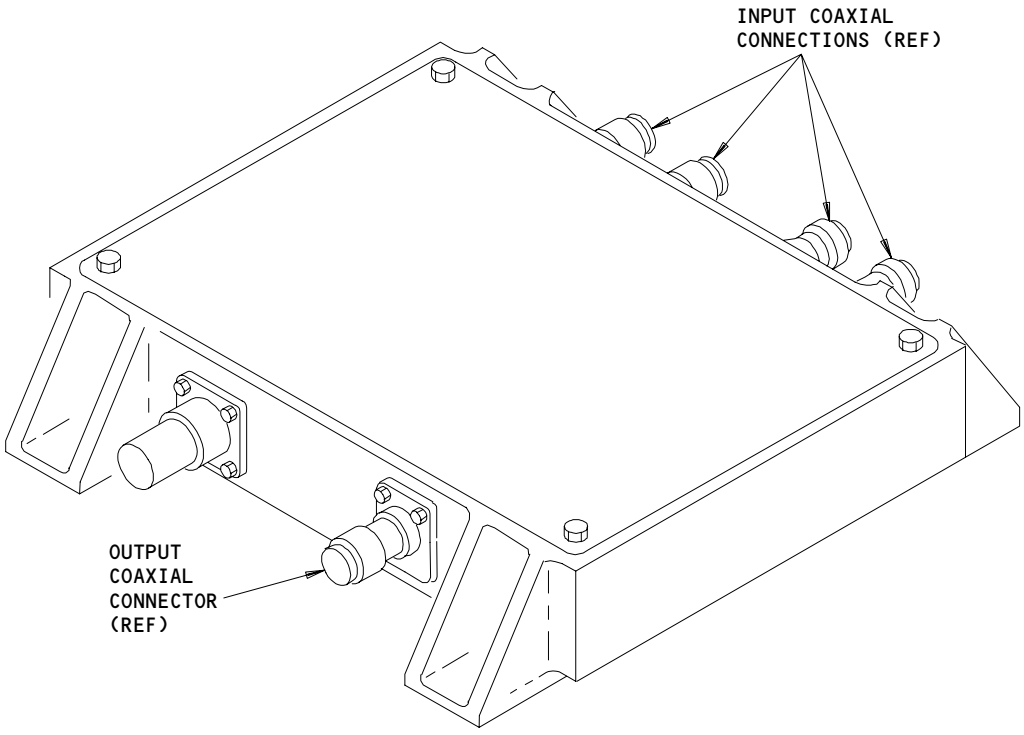


VERTICAL STABILIZER



VIDEO DISTRIBUTION UNIT (VDU)
(EXAMPLE)

(H) FROM SHTS 1 AND 3



VIDEO ANTENNA COUPLER, M820

(I)

Passenger Entertainment (Video Projection) - Component Location
Figure 102 (Sheet 7)

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PASSENGER ENTERTAINMENT/PASSENGER SERVICE SYSTEM

COMPONENT	FIG. 102 SHT	QTY	ACCESS/AREA	REFERENCE
AMPLIFIER - (23-31-00/101)				
PASSENGER ADDRESS, M177				
BOX - SEAT ELECTRONIC (SEB), M915	2	*	PASS. CABIN	23-34-04
BOX - SEAT ELECTRONIC (SEB), CREW REST, M1756 4	--	1	PASS. CABIN, CREW REST AREA	23-34-04
CARDS - (23-31-00/101)				
PA SWITCHING, M1634,M1635 1				
PA VOLUME LEVEL INDICATOR, M1633 1				
CHIMES - (23-42-00/101)				
AFT L ATTENDANT'S, B148 7				
AFT R ATTENDANT'S, B147 7				
FWD CTR ATTENDANT'S, B139 7				
FWD L ATTENDANT'S, B144 7				
MID L ATTENDANT'S, B146 7				
MID R ATTENDANT'S, B145 7				
CIRCUIT BREAKER -	2		FLT COMPT, P11	
PASS ENTMT/SERVICE CONT, C547		1	11T8	*
CIRCUIT BREAKERS -	1		119AL, MAIN EQUIP CTR, P33	
AFT C PSUD, C536		1	33A3	*
FWD C PSUD, C531		1	33A4	*
MID C PSUD, C507 6		1	33A5	*
CIRCUIT BREAKERS -	1		119AL, MAIN EQUIP CTR, P36	
L AFT PSUD, C535		1	36J4	*
L FWD PSUD, C530		1	36J3	*
MUX/TAPE REPRO, C546		1	36J5	*
R AFT PSUD, C541		1	36J2	*
R FWD PSUD, C533		1	36J1	*
CIRCUIT BREAKERS -	1		119AL, MAIN EQUIP CTR, P37	
AFT CTD, C543		1	37K2	*
FWD CTD, C542		1	37K1	*
DECODER - AFT COLUMN TIMER, M1306	1	1	821, MID EQUIP CTR, E5	23-34-07
DECODER - FWD COLUMN TIMER, M1319	1	1	119AL, MAIN EQUIP CTR	23-34-07
DECODER - MID COLUMN TIMER, M1320	1	1	119AL, MAIN EQUIP CTR	23-34-07
DECODERS - PASSENGER SERVICE UNIT (PSUD), M914,M1056	2	*	PASS. CABIN	23-34-08
DECODER - PASSENGER SERVICE UNIT (PSUD), CREW REST, M1755 4	--	1	PASS. CABIN, CREW REST AREA	23-34-08
DIODES - (23-42-00/101)				
CHIME ISLN R86,R87,R88,R89,R285,R286,R287 7				
DIODE - (31-01-33/101)				
K458 RELAY, R23				
DIODES - MASTER CALL ISLN, R312,R313 2	--	2	119AL, MAIN EQUIP CTR, E2-5, TB139	*
DRIVERS - ZONE, M1308; 1 M1710	1	2	119AL, MAIN EQUIP CTR, E3	23-34-10

* SEE THE WDM EQUIPMENT LIST

1 ALL SAS AIRPLANES
2 SAS 050-149
3 SAS 150-999
4 SAS 050-149,162-999
5 ALL MTH AIRPLANES
6 MTH 279-999
7 ALL EXCEPT SAS 050-149
8 ALL EXCEPT SAS 150-999

Passenger Entertainment/Passenger Service System - Component Index
Figure 101 (Sheet 1)

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COMPONENT	FIG. 102 SHT	QTY	ACCESS/AREA	REFERENCE
LIGHT - AFT B/C L MASTER CALL, L581 [3]	3	1	PASS. CABIN	*
LIGHT - AFT B/C R MASTER CALL, L582 [3]	3	1	PASS. CABIN	*
LIGHT - AFT CTR MASTER CALL, L637 [2]	3	1	PASS. CABIN	*
LIGHT - AFT L MASTER CALL, L583	3	1	PASS. CABIN	*
LIGHT - AFT R MASTER CALL, L584	3	1	PASS. CABIN	*
LIGHT - CTR T/C L MASTER CALL, L409 [3]	3	1	PASS. CABIN	*
LIGHT - CTR T/C R MASTER CALL, L410 [3]	--	1	PASS. CABIN	*
LIGHT - CREW REST LOWER BUNK READING, L1184 [4]	--	1	PASS. CABIN, CREW REST AREA	23-34-09
LIGHT - CREW REST UPPER BUNK READING, L1183 [4]	3	1	PASS. CABIN, CREW REST AREA	23-34-09
LIGHT - FWD B/C L MASTER CALL, L731 [3]	3	1	PASS. CABIN	*
LIGHT - FWD B/C R MASTER CALL, L732 [3]	3	1	PASS. CABIN	*
LIGHT - FWD MASTER CALL, L864 [2]	3	1	PASS. CABIN	*
LIGHT - FWD L MASTER CALL, L579	3	1	PASS. CABIN	*
LIGHTS - FWD R MASTER CALL, L580; L864 [3]	3	2	PASS. CABIN	*
LIGHTS - MID AFT L MASTER CALL, L1133 [2]; L687 [5]	3	2	PASS. CABIN	*
LIGHTS - MID AFT R MASTER CALL, L1134 [2]; L688 [5]	3	2	PASS. CABIN	*
LIGHT - MID CTR L MASTER CALL, L409 [8]	3	1	PASS. CABIN	*
LIGHT - MID CTR R MASTER CALL, L410 [8]	3	1	PASS. CABIN	*
LIGHTS - MID FWD L MASTER CALL, L731 [2]; L685 [5]	3	2	PASS. CABIN	*
LIGHTS - MID FWD R MASTER CALL, L732 [2]; L686 [5]	3	2	PASS. CABIN	*
LIGHT - MID L MASTER CALL, L581 [2]	3	1	PASS. CABIN	*
LIGHT - MID R MASTER CALL, L582 [2]	3	1	PASS. CABIN	*
LIGHT - MID T/C L MASTER CALL, L1133 [3]	3	1	PASS. CABIN	*
LIGHT - MID T/C R MASTER CALL, L1134 [3]	3	1	PASS. CABIN	*
LIGHT - PASSENGER SERVICE UNIT READING	2	*	PASS. CABIN	23-34-09
MULTIPLEXER - AFT ZONE, M1307	1	1	821, MID EQUIP CTR, E5	23-34-02
MULTIPLEXER - FWD ZONE, M642	1	1	119AL, MAIN EQUIP CTR	23-34-02
MULTIPLEXER - MAIN, M171	1	1	119AL, MAIN EQUIP CTR, E2-5	23-34-01
MULTIPLEXER - MID ZONE, M1321	1	1	119AL, MAIN EQUIP CTR	23-34-02

* SEE THE WDM EQUIPMENT LIST

Passenger Entertainment/Passenger Service System - Component Index
Figure 101 (Sheet 2)

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COMPONENT	FIG. 102 SHT	QTY	ACCESS/AREA	REFERENCE
PANEL - (33-22-00/101)				
FWD ATTENDANT'S, P21				
PLUG - 50 OHM TERMINATION, M1307T	--	1	821, MID EQUIP CTR	*
PLUG - PSUD TERMINATION, M914T	--	*	PASS. CABIN	*
PLUG - PSUD TERMINATION, M1755T 4	--	1	PASS. CABIN, CREW REST AREA	*
PLUG - SEB TERMINATION, M915T	--	*	PASS. CABIN	*
RELAYS - (31-01-33/101)				
AFT PSS PWR, K459				
FWD PSS PWR, K458				
MID PSS PWR, K1305 6				
PES PWR, K460				
PES/PSS TEST, K928				
RELAY - CALL LIGHT, K1262 2	--	1	119AL, MAIN EQUIP CTR, E2-5	*
RELAYS - CHIME OFF, K1258,K1259 5	--	2	119AL, MAIN EQUIP CTR, E2-5	*
REPRODUCER - (23-31-00/101)				
BOARDING MUSIC TAPE, M1708 1				
REPRODUCER - ENTERTAINMENT TAPE, M170	1	1	119AL, MAIN EQUIP CTR, E2-5	23-34-03
RESISTOR, R658 4	--	1	PASS. CABIN, CREW REST AREA	*
SWITCH - PES/PSS TEST, YBHS31	2	1	PASS. CABIN, FWD ATTENDANT'S PANEL, P21	*
SWITCH - READING LIGHTS, YBHS6	2	1	PASS. CABIN, FWD ATTENDANT'S PANEL, P21	*
SWITCH/LIGHT - AFT MASTER CALL RESET, YBHS19	2	1	PASS. CABIN, FWD ATTENDANT'S PANEL, P21	*
SWITCH/LIGHT - CHIME SHUT-OFF, YBHS20 5	2	1	PASS. CABIN, FWD ATTENDANT'S PANEL, P21	*
SWITCH/LIGHT - FWD MASTER CALL RESET, YBHS14	2	1	PASS. CABIN, FWD ATTENDANT'S PANEL, P21	*
SWITCH/LIGHT - PES PWR, YBHS16	2	1	PASS. CABIN, FWD ATTENDANT'S PANEL, P21	*
SWITCH/LIGHT - PSS PWR, YBHS15	2	1	PASS. CABIN, FWD ATTENDANT'S PANEL, P21	*
UNIT - (23-32-00/101)				
VIDEO CONTROL DISTRIBUTION, M815				
UNIT - (23-42-00/101)				
AUDIO ACCESSORY, M108				
UNIT - PASSENGER CONTROL (PCU)	2	*	PASS. CABIN SEAT ARMRESTS	23-34-05
UNIT - PASSENGER CONTROL (PCU), CREW REST LOWER BUNK, M1757 4	--	1	PASS. CABIN, CREW REST AREA	23-34-05
UNIT - PASSENGER CONTROL (PCU), CREW REST UPPER BUNK, M1758 4	--	1	PASS. CABIN, CREW REST AREA	23-34-05

* SEE THE WDM EQUIPMENT LIST

Passenger Entertainment/Passenger Service System - Component Index
Figure 101 (Sheet 3)

B01615
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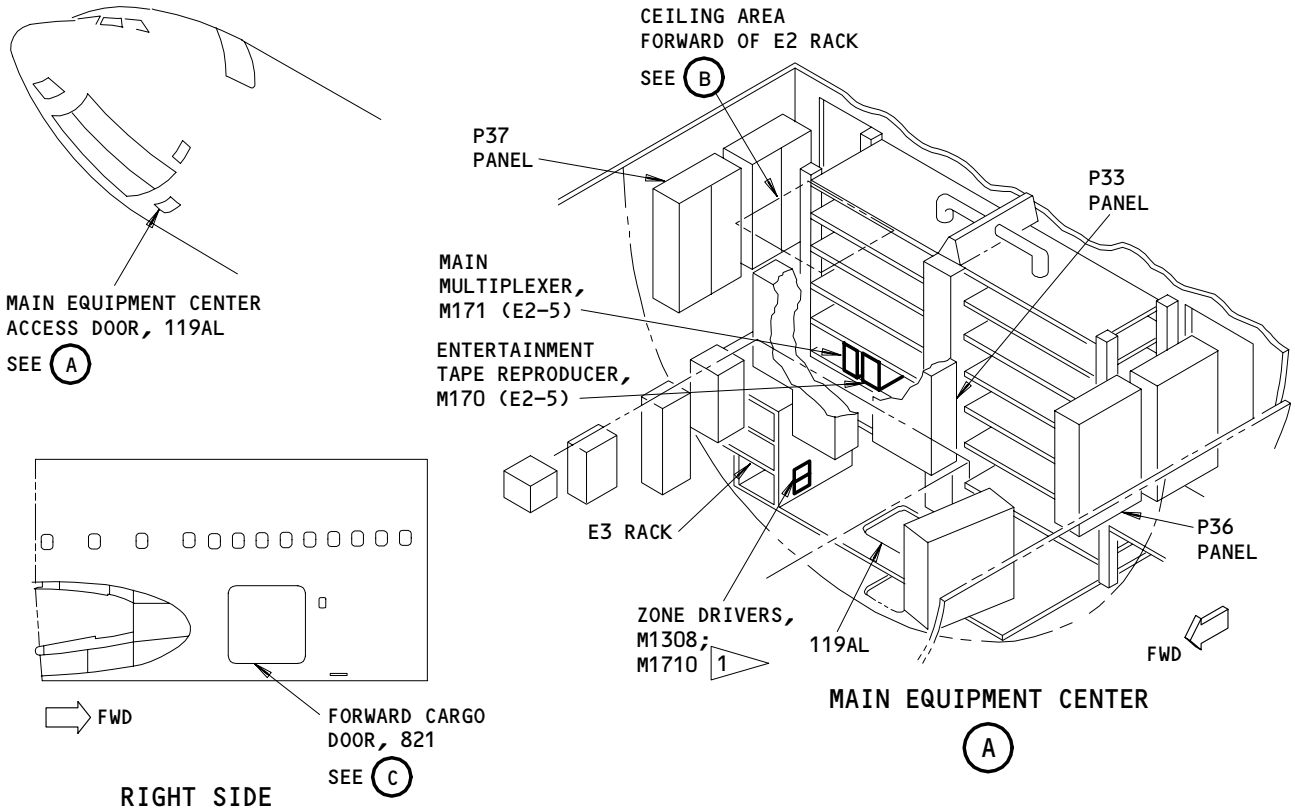

1 ALL SAS AIRPLANES

Passenger Entertainment/Passenger Service System - Component Location
Figure 102 (Sheet 1)

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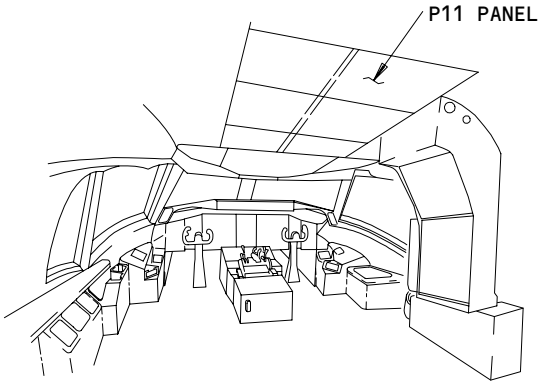
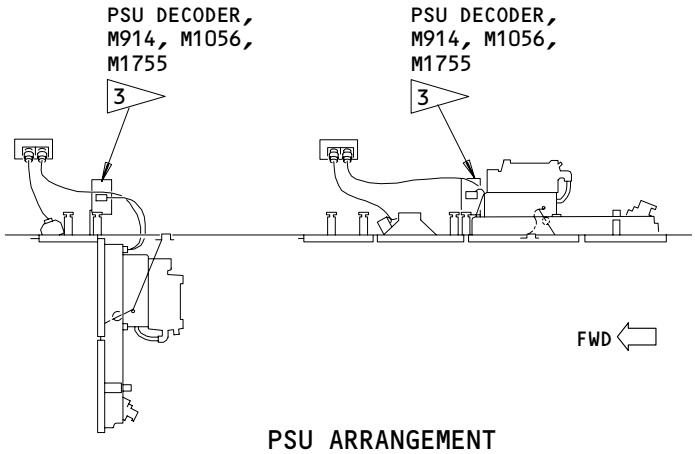
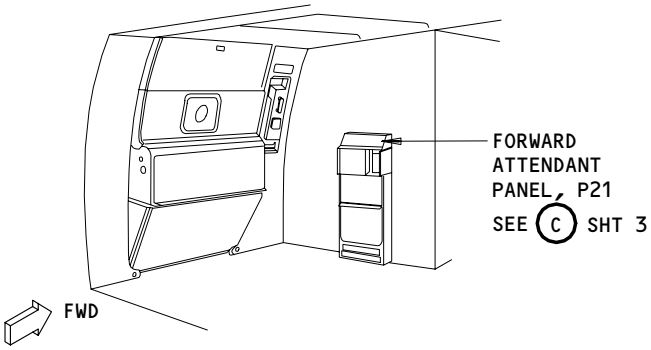


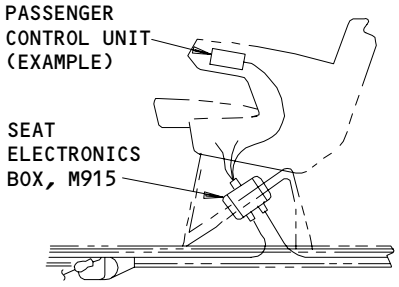
FIGHT COMPARTMENT



PSU ARRANGEMENT
(EXAMPLE)



FORWARD ENTRY DOOR AREA



SEAT ARRANGEMENT
(EXAMPLE)

Passenger Entertainment System – Component Location
Figure 102 (Sheet 2)

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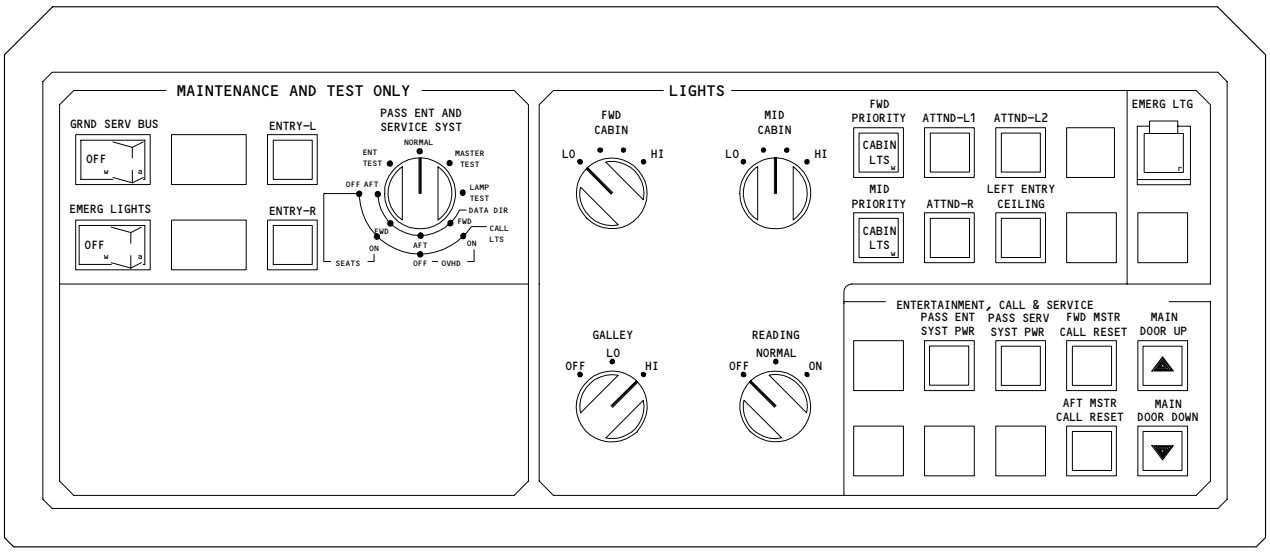
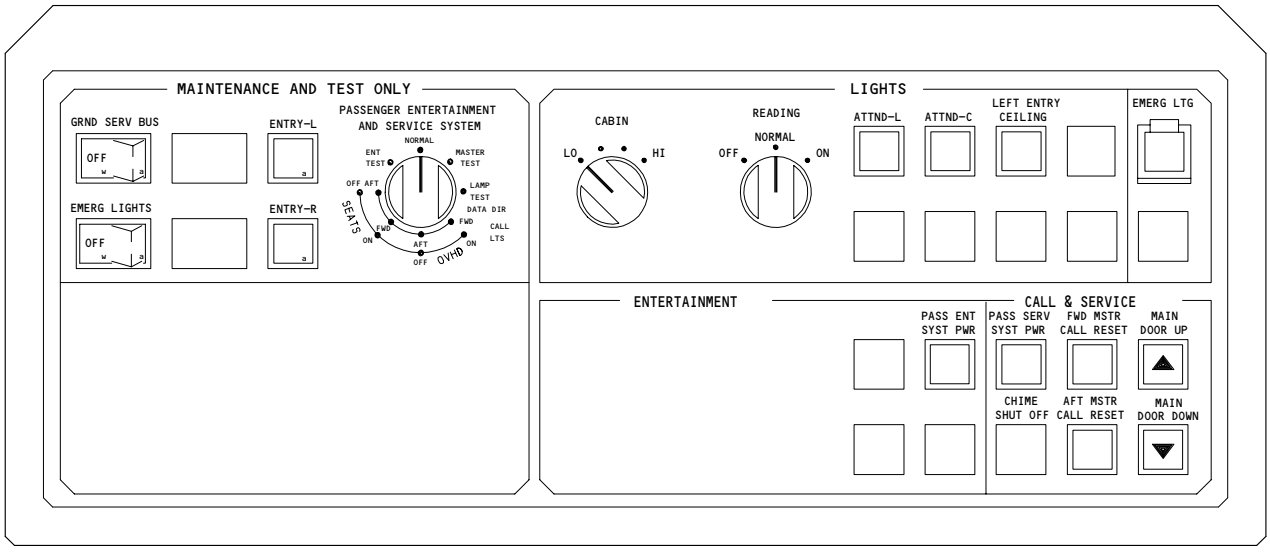


FORWARD ATTENDANT PANEL, P21

C 1



FORWARD ATTENDANT PANEL, P21

C 2

Passenger Entertainment System – Component Location (Detail from Sht 2)
Figure 102 (Sheet 3)

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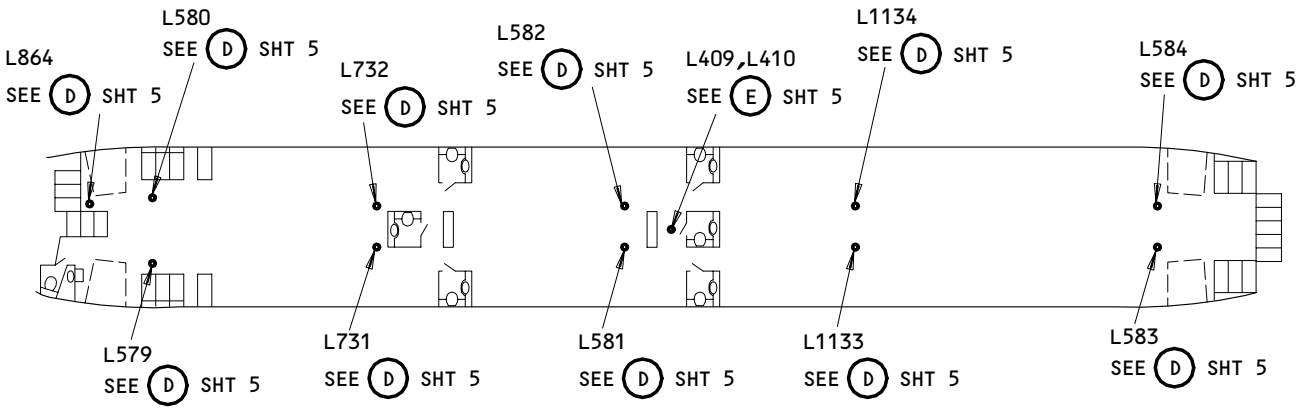
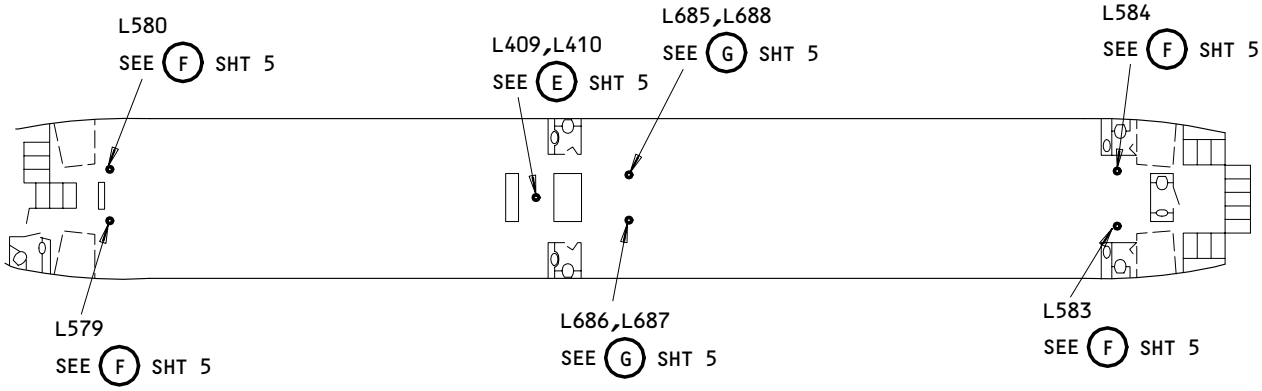
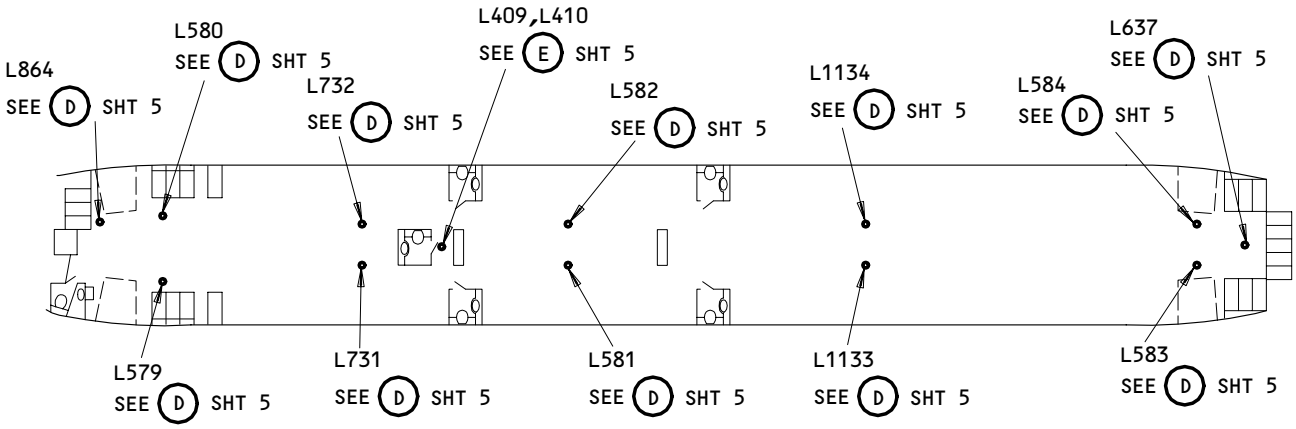


ALL SAS 767-300 AIRPLANES



ALL MTH AIRPLANES



ALL SAS 767-200 AIRPLANES

Passenger Entertainment System - Component Location
Figure 102 (Sheet 4)

613949

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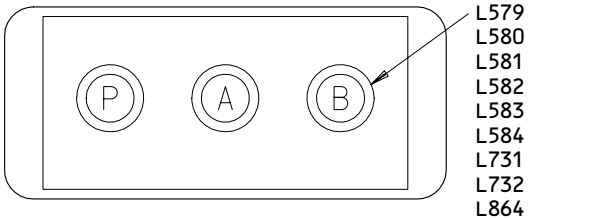
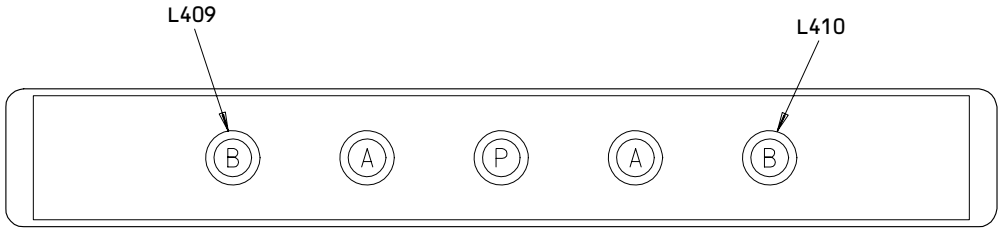


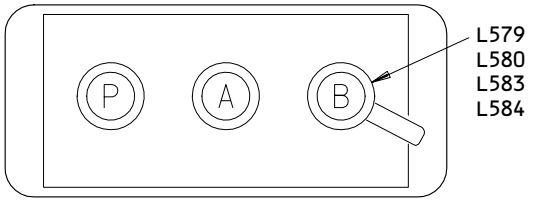
MASTER CALL LIGHT
(EXAMPLE)

D 1



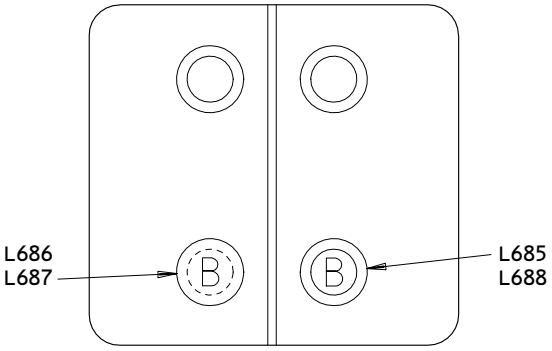
MASTER CALL LIGHT
(EXAMPLE)

E



MASTER CALL LIGHT
(EXAMPLE)

F 2



MASTER CALL LIGHT
(EXAMPLE)

G 2

Passenger Entertainment System – Component Location (Details from Sht 4)
Figure 102 (Sheet 5)

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CABIN CHIME SOUNDS INTERMITTENTLY

PREREQUISITES

MAKE SURE THESE CIRCUIT BREAKERS ARE CLOSED:
11C22,11C23,11T8,36J1,36J2,36J3,36J4,36J5,37K1,
37K2; 2 33A3,33A4; 1 37K3,37K4

MAKE SURE THE AIRPLANE IS IN THIS CONFIGURATION:
ELECTRICAL POWER IS ON (AMM 24-22-00/201)
THE PASSENGER ADDRESS SYSTEM IS ON
(AMM 23-31-00/501)
UTILITY BUS-R SWITCH IS ON (AMM 24-51-00/001) 3

1 OPEN THE CIRCUIT BREAKER 11P34.
DOES THE INTERMITTENT CHIME STOP?

YES → 30 DO THE "CABIN CHIME SOUNDS INTERMITTENTLY" FAULT ISOLATION PROCEDURE (FIM 33-25-00, FIG. 103A).

NO

2 CLOSE THE CIRCUIT BREAKER 11P34.
DO THE PASSENGER ENTERTAINMENT/PASSENGER SERVICE SYSTEM BITE PROCEDURE FIG. 104.
IS THE PROBLEM IDENTIFIED?

YES → 31 DO THE APPLICABLE CORRECTION PROCEDURE.

NO

3 LOOK AT THE WHITE PASSENGER SERVICE UNIT (PSU) ATTENDANT CALL LIGHTS WHEN THE CHIME OPERATES.
DOES A PSU ATTENDANT CALL LIGHT COME ON?

YES → 20 AT THE SEAT GROUP WITH THE PSU ATTENDANT CALL LIGHT ON, DISCONNECT THE CABLE FROM THE SEAT ELECTRONICS BOX JACK J3.
DOES THE INTERMITTENT CHIME STOP?

NO → 32 REPLACE THE SEAT ELECTRONICS BOX M915 (AMM 23-34-04/401).

YES → 21 CONNECT THE CABLE TO THE SEAT ELECTRONICS BOX JACK J3.
DISCONNECT THE CABLE FROM EACH PASSENGER CONTROL UNIT (PCU) IN THE SEAT GROUP. AS EACH PCU CABLE IS DISCONNECTED MONITOR THE CHIME.
DOES THE INTERMITTENT CHIME STOP?

NO → 33 REPLACE THE SEAT ELECTRONICS BOX TO THE PASSENGER CONTROL UNIT CABLE (WDM 23-34-16).

YES → 34 REPLACE THE PASSENGER CONTROL UNIT (PCU) AT WHICH THE INTERMITTENT CHIME STOPPED WHEN THE PCU CABLE WAS DISCONNECTED
(AMM 23-34-05/401).
CONNECT THE OTHER PCU CABLES.

NO → SEE SHEET 2 (BLOCK 4)

1 767-200 AIRPLANES
2 767-300 AIRPLANES
3 POST-SB 24-0152, SAS 162-167, 276-278, 280

Cabin Chime Sounds Intermittently
Figure 103 (Sheet 1)

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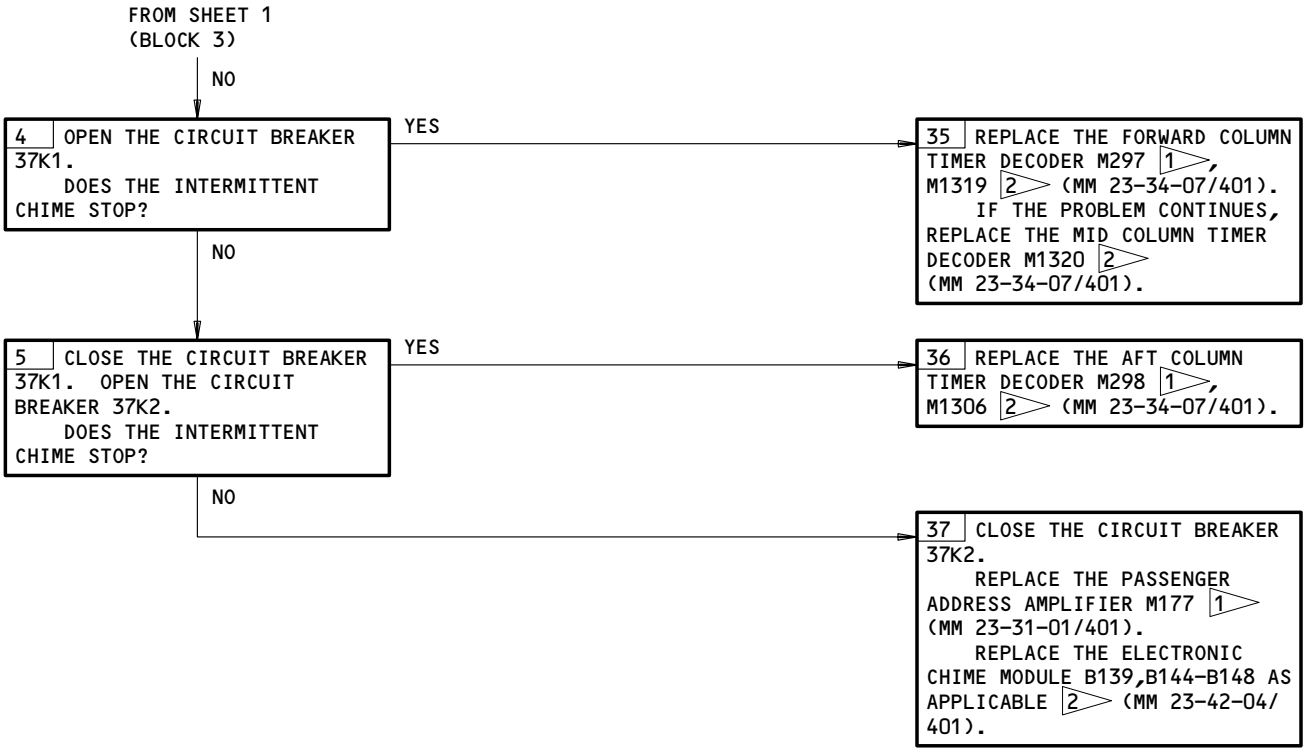

Cabin Chime Sounds Intermittently
Figure 103 (Sheet 2)

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PASSENGER ENTERTAINMENT PASSENGER SERVICE SYSTEM BITE PROCEDURE

PREREQUISITES

MAKE SURE THESE CIRCUIT BREAKERS ARE CLOSED:
11C22,11C23,11T8,36J1,36J2,36J3,36J4,36J5,37K1,
37K2; 6 33A3,33A4; 5 37K3,37K4

MAKE SURE THE AIRPLANE IS IN THIS CONFIGURATION:
ELECTRICAL POWER IS ON (AMM 24-22-00/201)
THE PASSENGER ADDRESS SYSTEM IS ON
(AMM 23-31-00/501)
UTILITY BUS-R SWITCH IS ON (AMM 24-51-00/001) 7

1 AT THE FORWARD ATTENDANT PANEL P21, PUSH "PASS ENT SYST PWR" AND "PASS SERV SYST PWR" SWITCHES ON. TURN THE "READING" LIGHTS SWITCH TO NORMAL. TURN THE PASSENGER ENTERTAINMENT AND SERVICE SYSTEM SWITCH TO "MASTER TEST". DO THE FWD AND AFT MSTR CALL RESET LIGHTS ON P21 COME ON? 1 2

YES → 20 TURN THE PASSEGER ENTERTAINMENT AND SERVICE SYSTEM SWITCH TO "NORMAL". THE SYSTEM IS OK.

NO

10 ARE ALL THE LIGHTS OFF IN ONE OR MORE COLUMNS OF THE FWD (MID,AFT) ZONE?

NO → 21 RELAMP THE INDIVIDUAL LIGHTS:
PSU CALL (WDM 23-34-20),
MASTER CALL (WDM 23-34-13),
READING (MM 23-34-09/401), OR
MSTR CALL RESET ON P21
(WDM 23-34-12). 3

YES → 22 REPLACE THE FWD (MID)(AFT) ZONE COLUMN TIMER DECODER M1319 (M1320)(M1306) (MM 23-34-07/401). 3 4

NO

2 TURN THE PASSENGER ENTERTAINMENT AND SERVICE SYSTEM SWITCH TO "LAMP TEST". DO THESE LIGHTS COME ON? 2

A. FWD AND AFT MSTR CALL RESET LIGHTS ON P21
B. MASTER CALL LIGHTS (BLUE LIGHTS IN THE AISLE CEILING IN THE FWD, MID AND AFT SECTIONS OF THE PASSENGER COMPARTMENT)
C. PSU CALL LIGHTS (WHITE LIGHT IN THE PSU ABOVE EACH SEAT GROUP)
D. READING LIGHTS (INCANDESCENT LIGHTS IN THE PSU, ONE FOR EACH SEAT IN THE GROUP)

YES → SEE SHEET 2 (BLOCK 3)

NOTE: BITE DOES A TEST OF THESE SYSTEM COMPONENTS:
FORWARD COLUMN TIMER DECODER
AFT COLUMN TIMER DECODER
PASSENGER SERVICE UNIT DECODER
SEAT ELECTRONIC BOX
MASTER CALL LIGHTS
ATTENDANT CALL LIGHTS
MAIN MUX
FORWARD ZONE MUX
AFT ZONE MUX
PASSENGER CONTROL UNIT
MID ZONE MUX
MID COLUMN TIMER DECODER
BITE DOES NOT DO A TEST OF THESE SYSTEM COMPONENTS:
ENTERTAINMENT TAPE REPRODUCER
FORWARD ATTENDANT PANEL
ZONE DRIVER

1 IF THE FWD AND AFT MSTR CALL RESET LIGHTS DO NOT COME ON, CYCLE THE PASS ENT SYST TEST SWITCH FROM NORMAL TO MASTER TEST UP TO THREE TIMES BEFORE YOU DO THE SUBSEQUENT BLOCK

2 THE CHIME WILL OPERATE AT THE END OF THE TEST

3 AFTER THE REPAIR IS MADE, DO BLOCK 1 (MASTER TEST) AGAIN

4 SEE NOTE B

5 767-200 AIRPLANES

6 767-300 AIRPLANES

7 POST-SB 24-0152, SAS 162-167, 276-278, 280

Passenger Entertainment/Passenger Service System BITE Procedure
Figure 104 (Sheet 1)

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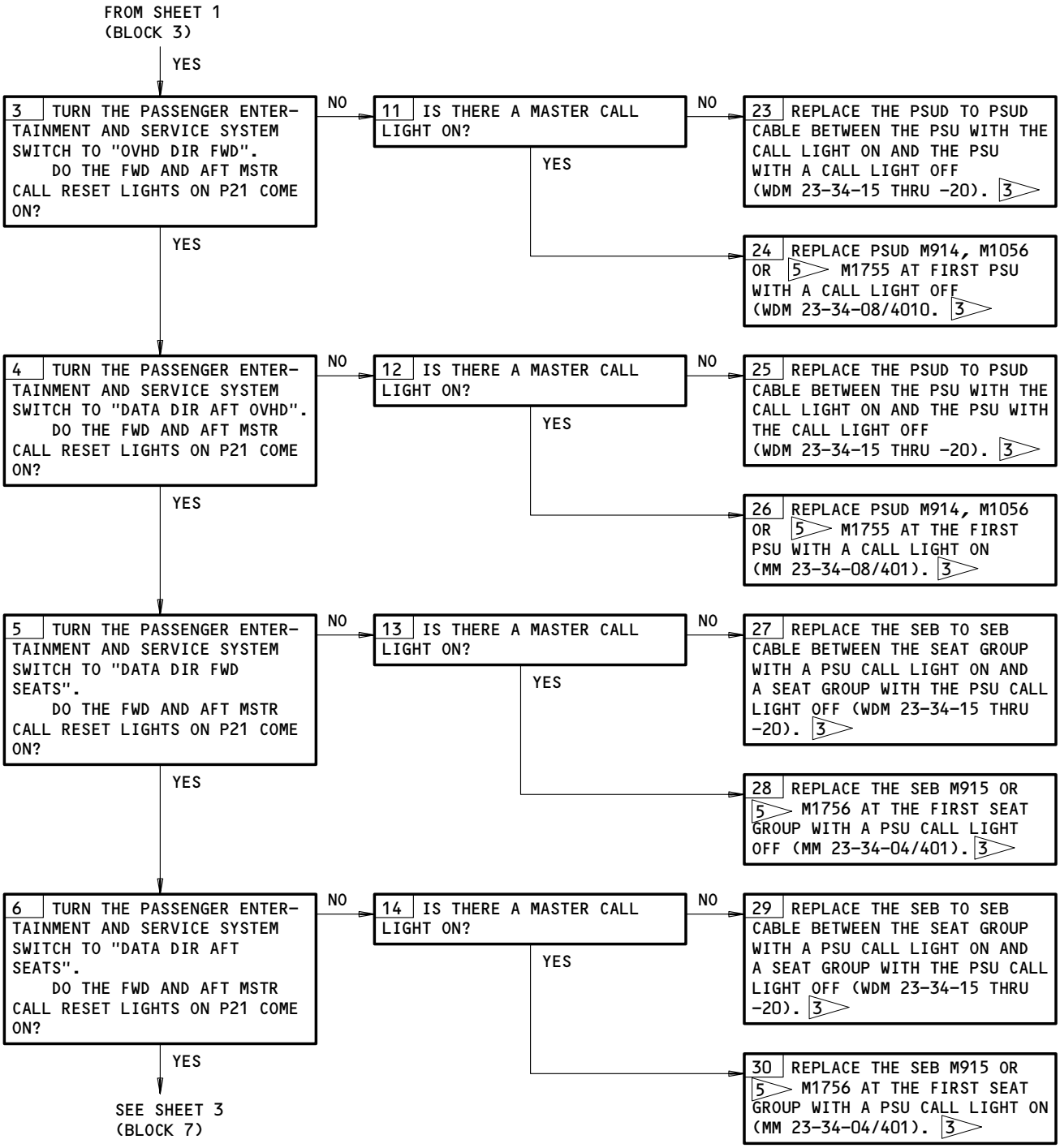

Passenger Entertainment/Passenger Service System BITE Procedure
Figure 104 (Sheet 2)

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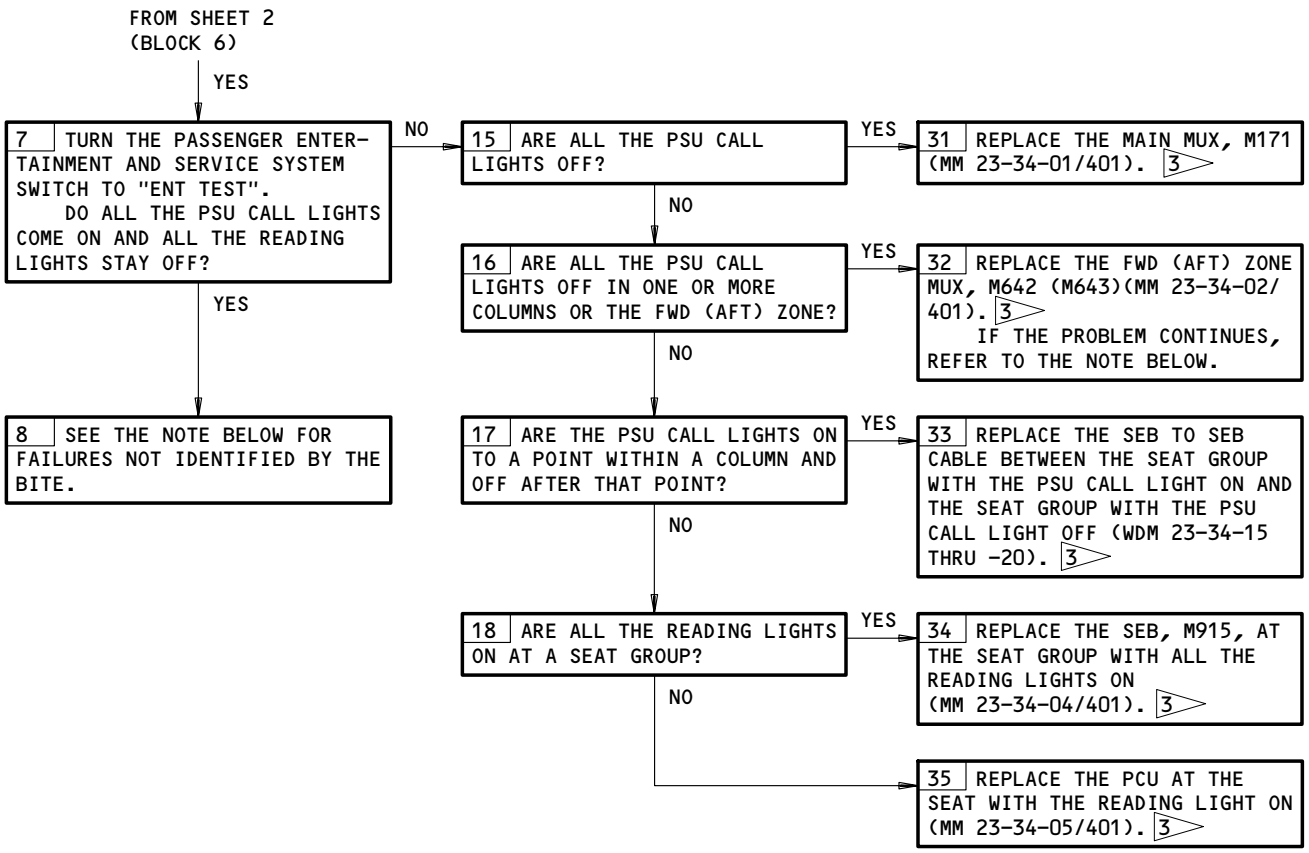

NOTE A: A SHORTED COAXIAL CABLE CAN CAUSE PES/PSS FAILURES NOT IDENTIFIABLE BY THE BITE. IF THERE IS A FAILURE THAT THE BITE DOES NOT REMOVE, DO THE STEPS THAT FOLLOW:

1. FOR AUDIO, READING LIGHT OR ATTENDANT CALL LIGHT FAILURES, MAKE SURE THE SEB TERMINATION PLUG M915T HAS THE RESISTOR AND SHORTING WIRE INSTALLED CORRECTLY (REF SCH MAN 23-34-01,-02) AND THAT THE TERMINATION PLUG IS CORRECTLY ATTACHED TO THE SEB. 3

   IF THE PROBLEM CONTINUES, MOVE THE SEB TERMINATION PLUG FORWARD IN THE COLUMN UNTIL THE FAILURE IS REMOVED. REPLACE THE LAST SEB TO SEB CABLE THAT YOU DISCONNECTED (WDM 23-34-13). INSTALL THE TERMINATION PLUG ON THE AFT SEB IN THE COLUMN. 3

2. FOR READING OR ATTENDANT CALL LIGHT FAILURES (AUDIO NORMAL), MAKE SURE THE PSUD TERMINATION PLUG M914T HAS THE SHORTING WIRE INSTALLED CORRECTLY AND THAT THE TERMINATION PLUG IS CORRECTLY ATTACHED TO THE PSUD. 3

   IF THE PROBLEM CONTINUES, MOVE THE PSUD TERMINATION PLUG FORWARD IN THE COLUMN UNTIL THE FAILURE IS REMOVED. REPLACE THE LAST CABLE THAT YOU DISCONNECTED (WDM 23-34-13). INSTALL THE TERMINATION PLUG ON THE AFT PSUD IN THE COLUMN. 3

NOTE B: BEFORE YOU REPLACE THE COLUMN TIMER DECODER (CTD) LOOK FOR OPEN CIRCUITS BETWEEN PIN 4 AND 5 OF CONNECTORS J3,J4 AND J6 ON THE CTD REMOVED FROM THE AIRPLANE. IF THERE IS AN OPEN CIRCUIT AT ONE OR MORE OF THESE POINTS, AN INTERNAL FUSE HAS BLOWN WHICH IS A PROBLEM IN THE SEAT ELECTRONICS BOX (SEB)-TO-SEB WIRING. EXAMINE AND REPAIR THE SEB-TO-SEB WIRING (WDM 23-34,13,-14,-15) IN THE APPLICABLE COLUMN (J3-LEFT,J4-RIGHT,J6-CENTER) BEFORE YOU INSTALL NEW COLUMN TIMER DECODER.

Passenger Entertainment/Passenger Service System BITE Procedure
Figure 104 (Sheet 3)

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SERVICE INTERPHONE SYSTEM

COMPONENT	FIG. 102 SHT	QTY	ACCESS/AREA	AMM REFERENCE
CIRCUIT BREAKER –	2		FLT COMPT, P11	
INTERPHONE CABIN/SERVICE, C551		1	11C23	*
JACK – SERVICE INTPH, D8503	2	1	312AR, JACKSCREW SERVICE	*
JACK – SERVICE INTPH, D8505	2	1	316AR (315AL), APU SHROUD	*
JACK – SERVICE INTPH, D8539	2	1	119AL, MAIN EQUIP CTR	*
JACK – SERVICE INTPH, D8541	2	1	113AL, WEATHER RADAR MOUNT	*
JACK – SERVICE INTPH, D8543	2	1	NOSE WHL GEAR, APU SHUTDOWN PNL, P40	*
JACK – SERVICE INTPH, D8547	2	1	821, FWD COMPT CARGO HDLG ACCESS PNL, P35	*
JACK – SERVICE INTPH, D8549	2	1	L WING FUELING PNL, P28	*
JACK – SERVICE INTPH, D8553	2	1	R W/W SERVICE PNL, P56	*
JACK – SERVICE INTPH, D8555	2	1	822, AFT COMPT CARGO HDLG ACCESS PNL, P39	*
PANEL – (FIM 31-31-00/101)				
FLIGHT RECORDER CONTROL, M33				
SWITCH – SERVICE INTPH, YDSS2	2	1	FLT COMPT, P61, FT RCDR CONT PNL, M33	*
UNIT – (FIM 23-42-00/101)				
AUDIO ACCESSORY, M108				

* SEE THE WDM EQUIPMENT LIST

Service Interphone System – Component Index
Figure 101

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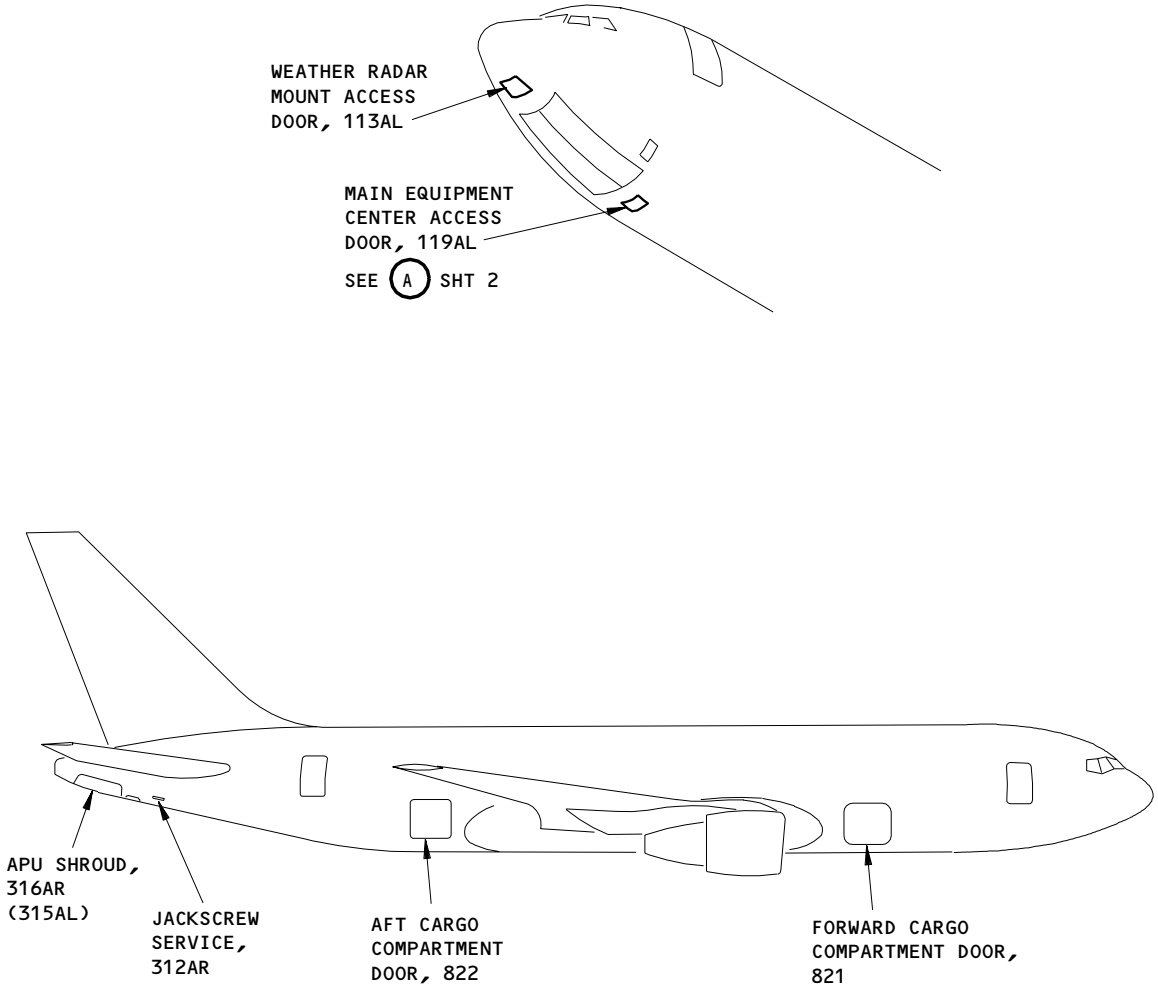

Service Interphone System - Component Location
Figure 102 (Sheet 1)

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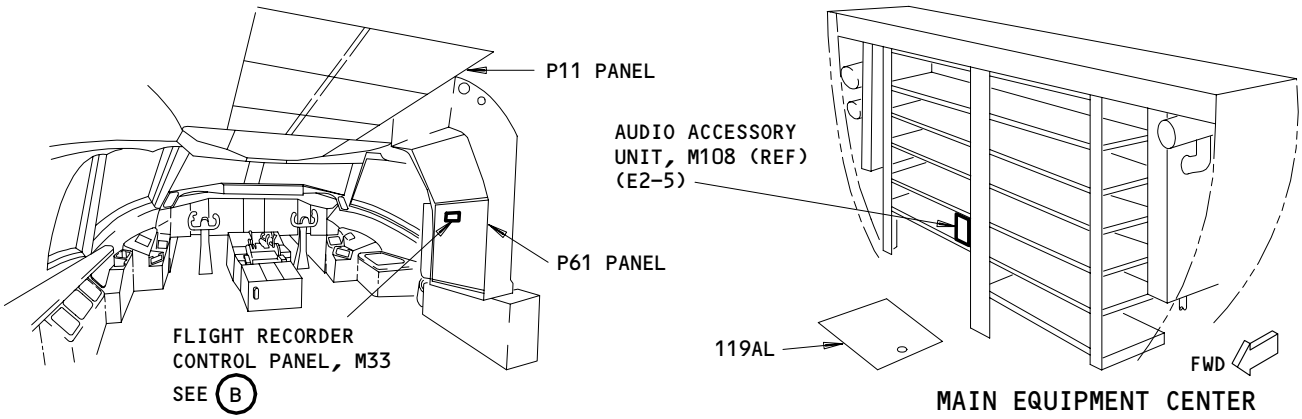
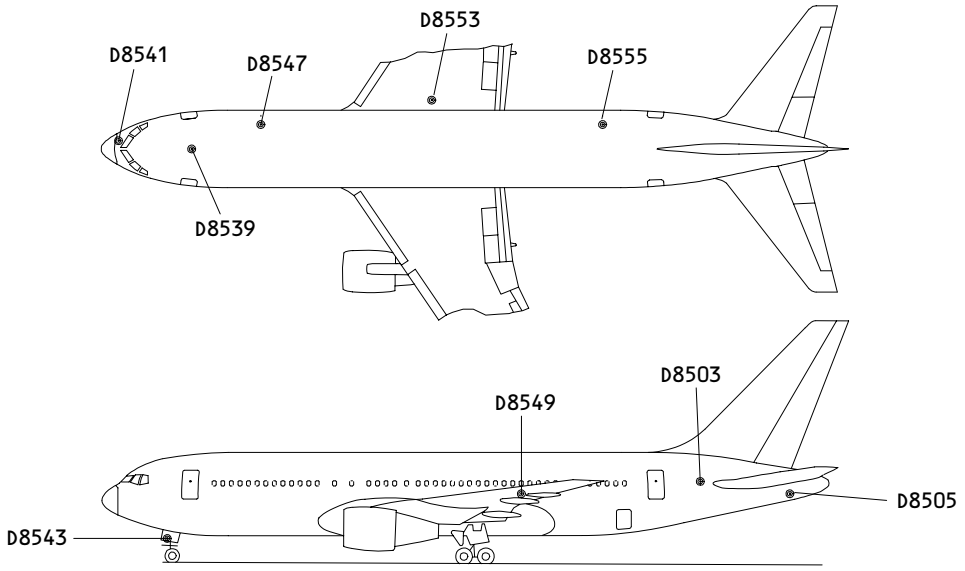


FLIGHT RECORDER CONTROL PANEL, M33 (REF)

B

JACK	LOCATION
D8503	JACKSCREW SERVICE
D8505	APU SHROUD
D8539	MAIN EQUIPMENT CENTER
D8541	WEATHER RADAR MOUNT
D8543	P40 CONTROL PANEL
D8547	FORWARD COMPARTMENT CARGO HANDLING ACCESS PANEL, P35
D8549	LEFT WING FUELING PANEL, P28
D8553	RIGHT WHEEL WELL SERVICE PANEL, P56
D8555	AFT COMPARTMENT CARGO HANDLING ACCESS PANEL, P39



SERVICE INTERPHONE JACK LOCATIONS

Service Interphone System - Component Location
Figure 102 (Sheet 2)

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CABIN INTERPHONE SYSTEM

COMPONENT	FIG. 102 SHT	QTY	ACCESS/AREA	AMM REFERENCE
AMPLIFIER - (FIM 23-31-00/101)				
PASSENGER ADDRESS, M177				
CHIME - AFT L ATTENDANT, B148 1	5	1	PASS. CABIN	23-42-04
CHIME - AFT R ATTENDANT, B147 1	5	1	PASS. CABIN	23-42-04
CHIME - CREW REST AREA, B420 2	5	1	PASS. CABIN, CREW REST AREA	*
CHIME - FWD C ATTENDANT, B139 1	5	1	PASS. CABIN	23-42-04
CHIME - FWD L ATTENDANT, B144 1	5	1	PASS. CABIN	23-42-04
CHIME - MID L ATTENDANT, B146 1	5	1	PASS. CABIN	23-42-04
CHIME - MID R ATTENDANT, B145 1	5	1	PASS. CABIN	23-42-04
CHIME - PURSER'S, B376 1	5	1	PASS. CABIN, PURSER'S STATION	23-42-04
CIRCUIT BREAKER -	2		FLT COMPT, P11	
INTERPHONE CABIN/SERVICE, C551		1	11C23	*
HANDSET - ATTENDANT, B61	2	5	PASS. CABIN	*
HANDSET - CREW REST AREA, B61 2	2	1	PASS. CABIN, CREW REST AREA	*
HANDSET - PILOTS', B61	2	1	FLT COMPT, P8	*
HANDSET - PURSER'S, B61	2	1	PASS. CABIN, PURSER'S STATION	*
LIGHT - ATTENDANT CALL	5	3	PASS. CABIN	*
MODULE - (FIM 31-51-00/101)				
BELL CHIME AURAL WARNING, M1000				
PANEL - (FIM 33-21-00/101)				
PURSER'S, P78				
PANEL - CREW REST CONTROL 2	3,4	1	PASS. CABIN, CREW REST AREA	*
PANEL - PILOTS' CALL, M51	2	1	FLT COMPT, P5	23-42-02
RELAY - TIME DELAY, B418,B419 2	3,4	2	PASS. CABIN, CREW REST AREA	*
SWITCH-LIGHT, CALL, B416,B417 2	4	2	PASS. CABIN, CREW REST AREA, CREW REST CONTROL PANEL	*
UNIT - AUDIO ACCESSORY, M108	1	1	119AL, MAIN EQUIP CTR, E2-5	23-42-01

* SEE THE WDM EQUIPMENT LIST

1 SAS 150-999

2 SAS 050-149,162-999

3 FOR THE QUANTITY, LOCATION, AND EQUIPMENT NUMBERS, REFER TO THE WDM 23-42-11.

Cabin Interphone System - Component Index
Figure 101

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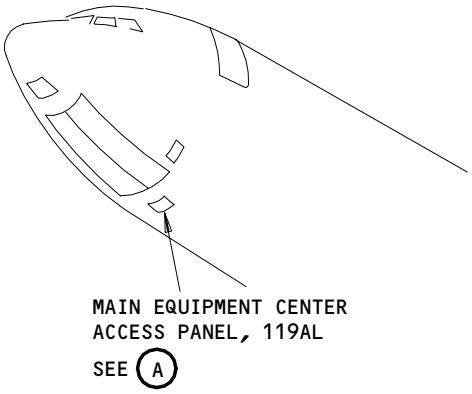

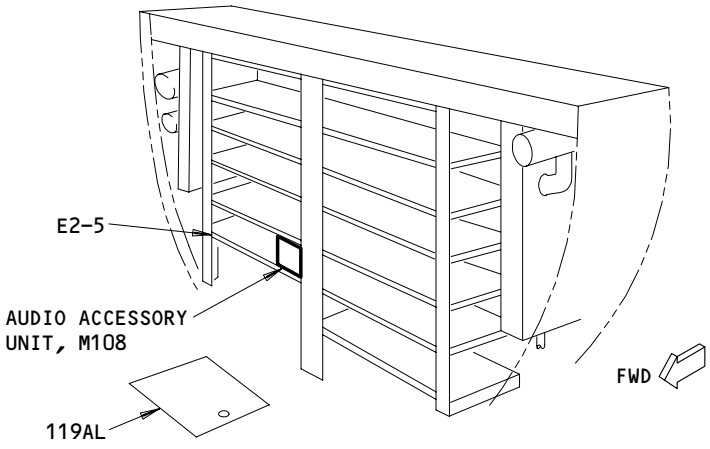

MAIN EQUIPMENT CENTER
A

Cabin Interphone System - Component Location
Figure 102 (Sheet 1)

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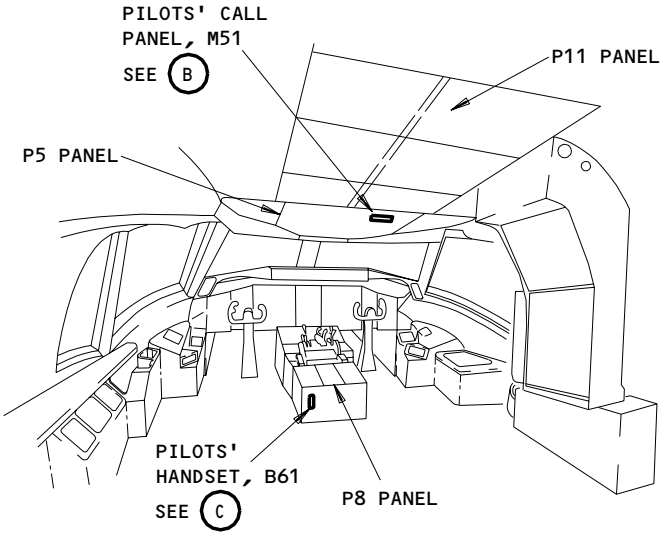
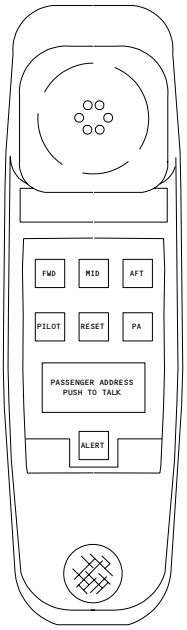
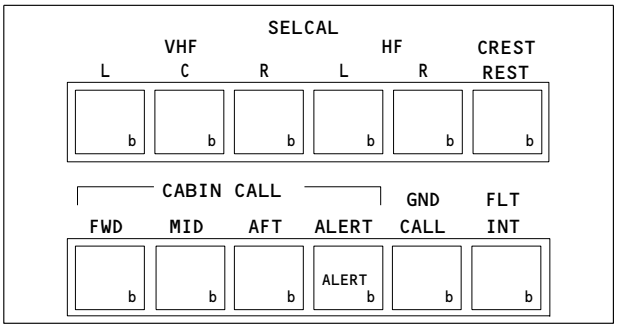


FLIGHT COMPARTMENT



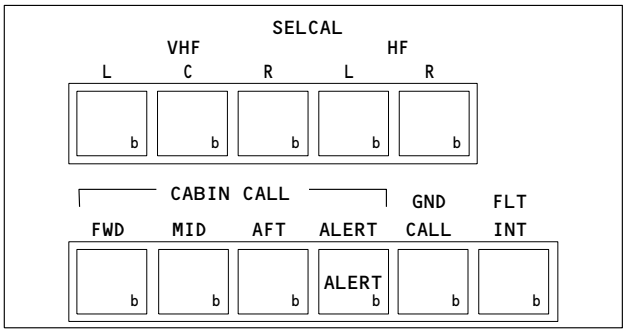
HANDSET, B61
(EXAMPLE)

C



PILOTS' CALL PANEL, M51

B 1



PILOTS' CALL PANEL, M51

B 2

1 SAS 050-149,162-999

2 SAS 150-161

Cabin Interphone System - Component Location
Figure 102 (Sheet 2)

586684

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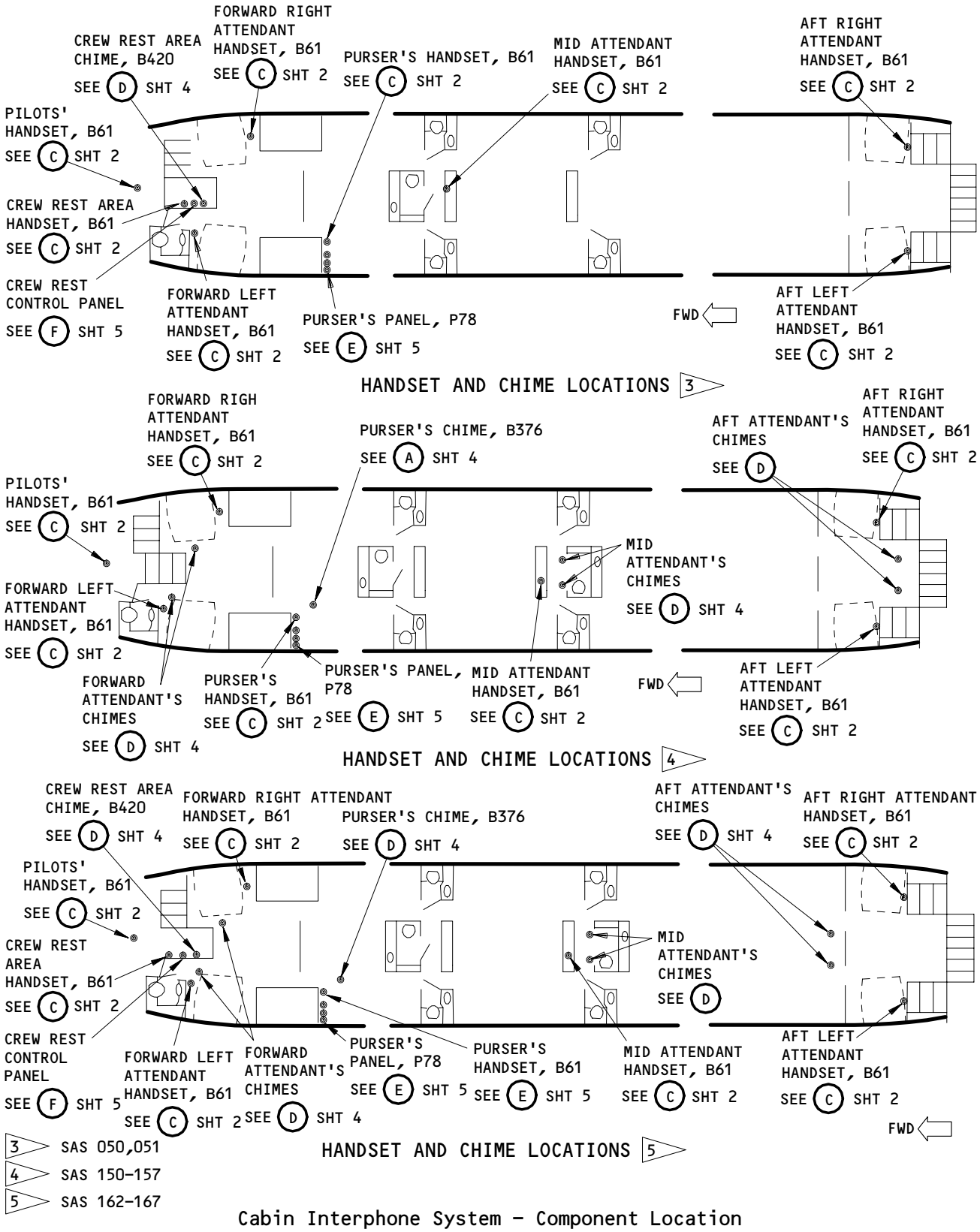

Cabin Interphone System - Component Location
Figure 102 (Sheet 3)

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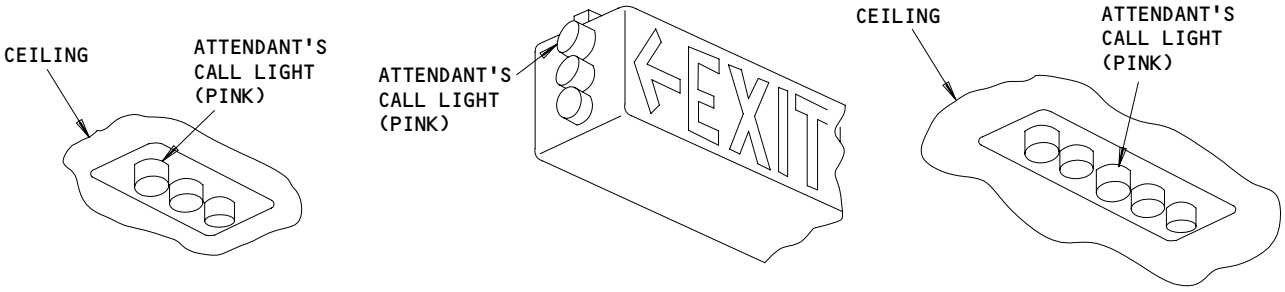
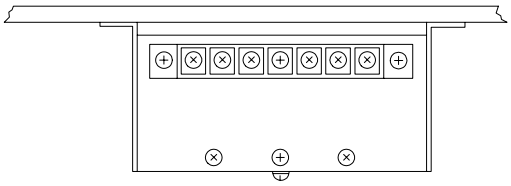


ATTENDANT'S CALL LIGHT
(EXAMPLE)



ELECTRONIC CHIME
(EXAMPLE)

D FROM SHT 3

Cabin Interphone System - Component Location
Figure 102 (Sheet 4)

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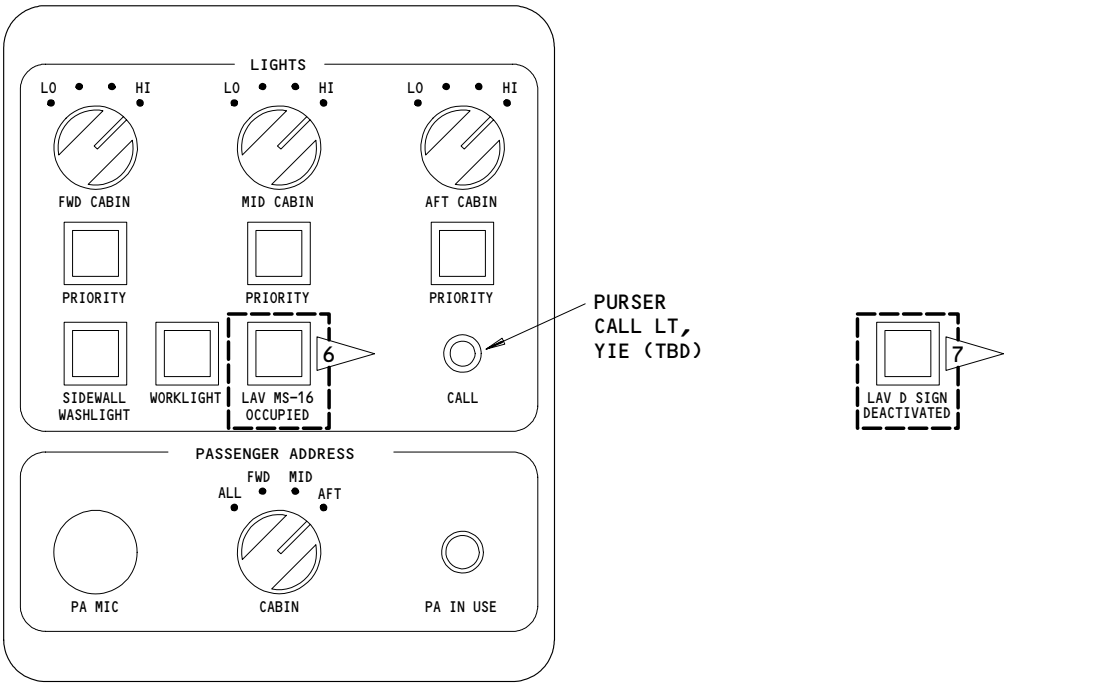
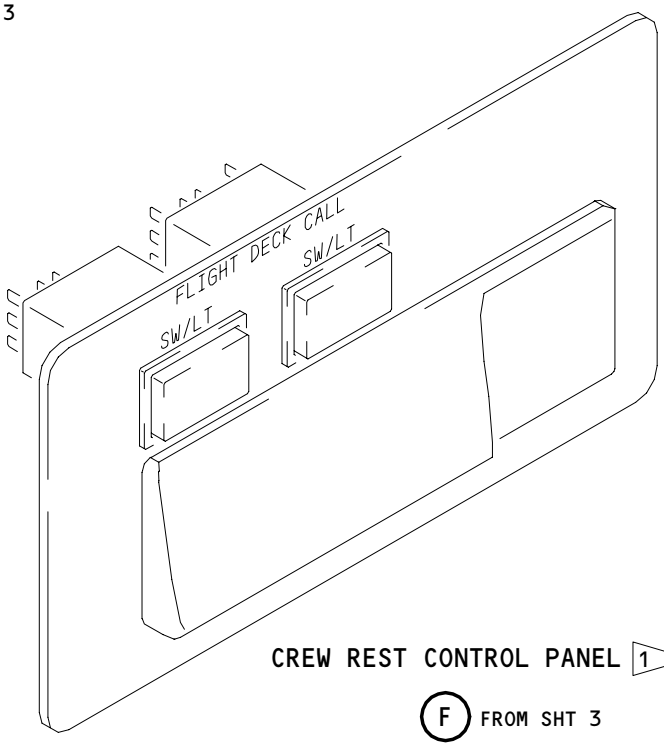


PURSER'S PANEL, P78 (REF)

(E) FROM SHT 3



CREW REST CONTROL PANEL 1

(F) FROM SHT 3

6 SAS 050-051, 150-155, 162-165

7 SAS 052-149, 156-161, 166-999

Cabin Interphone System - Component Location
Figure 102 (Sheet 5)

697326

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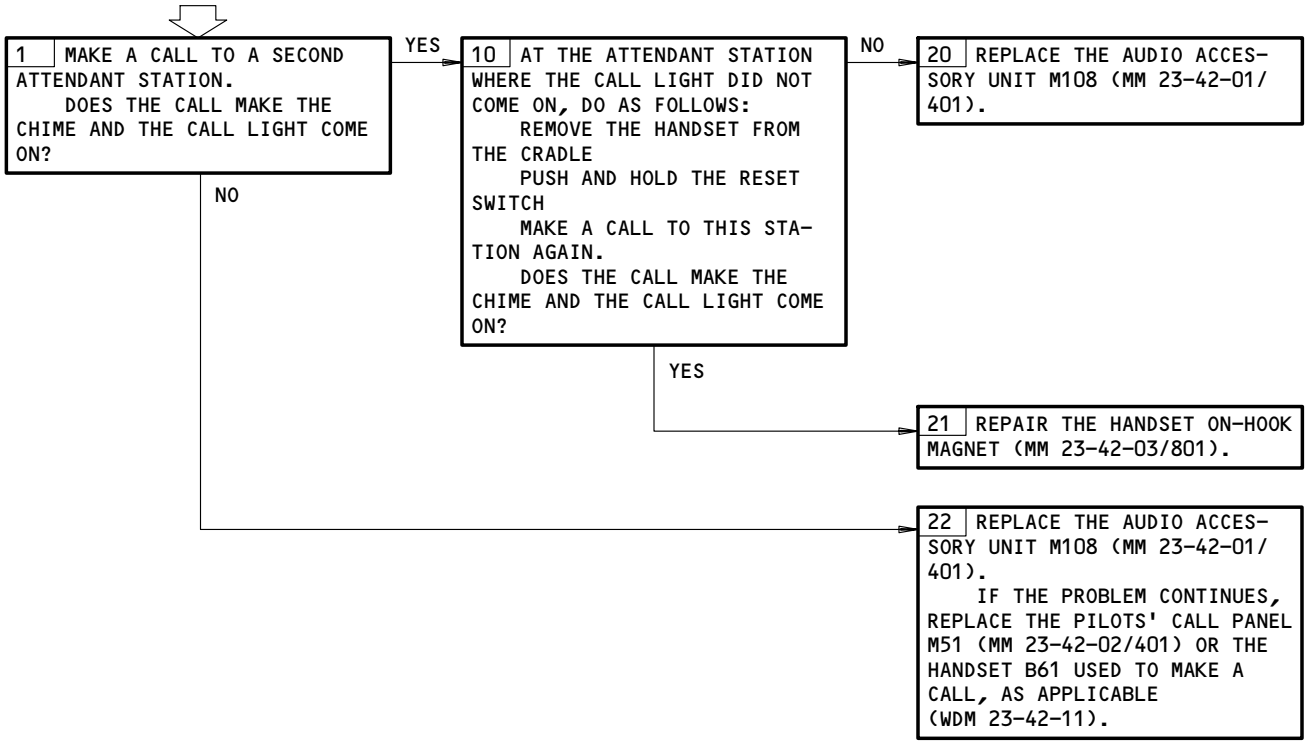
CABIN CHIME AND CALL LIGHT/ATTENDANT CALL FROM PILOT OR ATTENDANT PROBLEM

PREREQUISITES:

MAKE SURE THIS CIRCUIT BREAKER IS CLOSED:
11C23

MAKE SURE THE AIRPLANE IS IN THE CONFIGURATION THAT FOLLOWS:
ELECTRICAL POWER IS ON (MM 24-22-00/201)



Cabin Chime and Call Light/Attendant Call from Pilot or Attendant Problem
Figure 103

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CABIN INTERPHONE SYSTEM

COMPONENT	FIG. 102 SHT	QTY	ACCESS/AREA	AMM REFERENCE
AMPLIFIER - (FIM 23-31-00/101)				
PASSENGER ADDRESS, M177				
CHIME - AFT L ATTENDANT, B148	3	1	PASS. CABIN	23-42-04
CHIME - AFT R ATTENDANT, B147	3	1	PASS. CABIN	23-42-04
CHIME - FWD L ATTENDANT, B144	3	1	PASS. CABIN	23-42-04
CHIME - FWD R ATTENDANT, B139	3	1	PASS. CABIN	23-42-04
CHIME - MID L ATTENDANT, B146	3	1	PASS. CABIN	23-42-04
CHIME - MID R ATTENDANT, B145	3	1	PASS. CABIN	23-42-04
CIRCUIT BREAKER -	2		FLT COMPT, P11	
INTERPHONE CABIN/SERVICE, C551		1	11C23	*
HANDSET - ATTENDANT, B61	3	5	PASS. CABIN	*
HANDSET - PILOTS', B61	2	1	FLT COMPT, P8	*
LIGHT -ATTENDANT CALL	3	1	PASS. CABIN	*
MODULE - (FIM 31-51-00/101)				
BELL CHIME AURAL WARNING, M1000				
PANEL - PILOTS' CALL, M51	2	1	FLT COMPT, P5	23-42-02
UNIT - AUDIO ACCESSORY, M108	1	1	119AL, MAIN EQUIP CTR, E2-5	23-42-01

* SEE THE WDM EQUIPMENT LIST

1 FOR THE QUANTITY LOCATION, AND EQUIPMENT NUMBERS, REFER TO THE WDM 23-42-11.

Cabin Interphone System - Component Index
Figure 101

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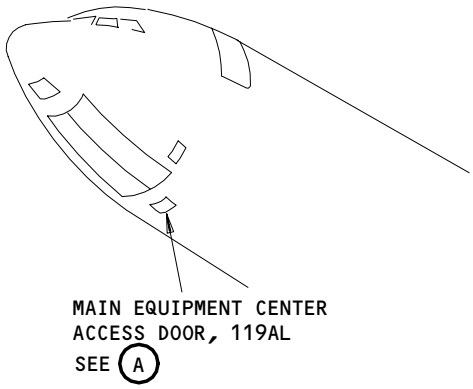

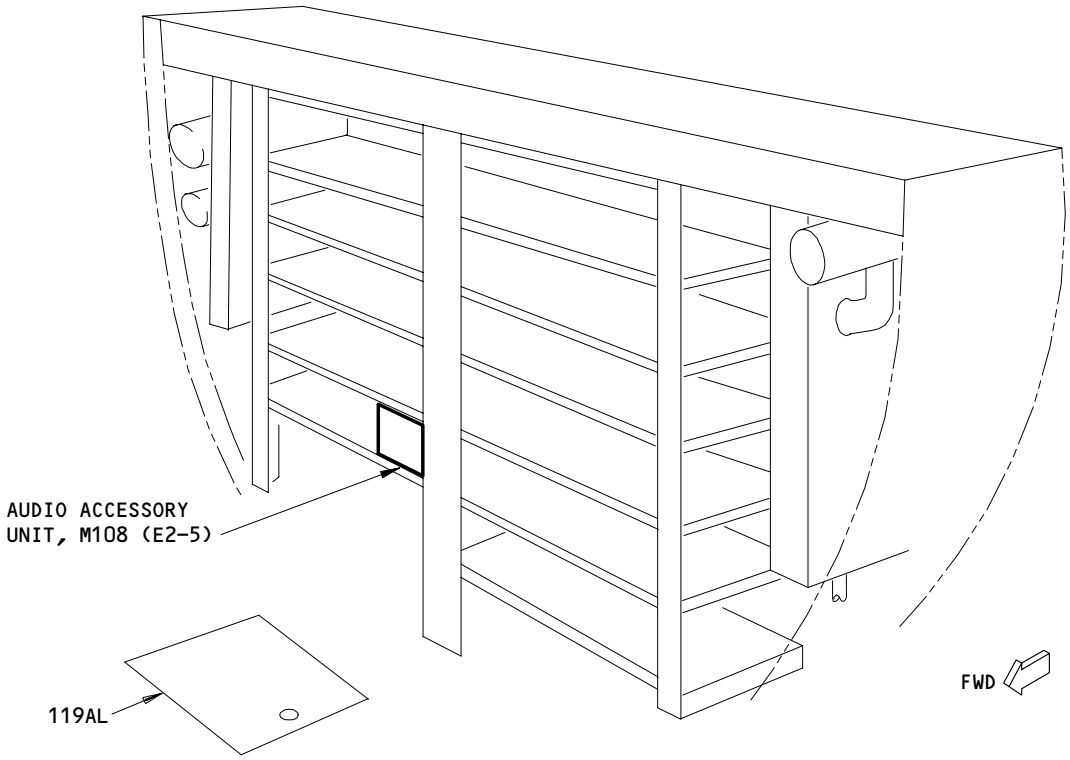

MAIN EQUIPMENT CENTER
(A)

Cabin Interphone System - Component Location
Figure 102 (Sheet 1)

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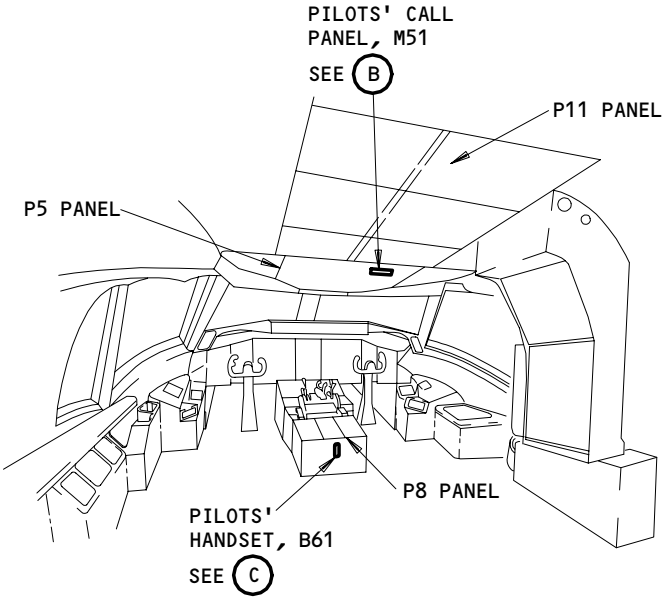
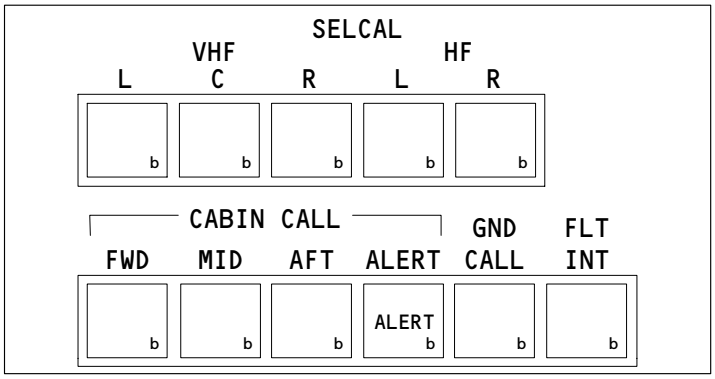
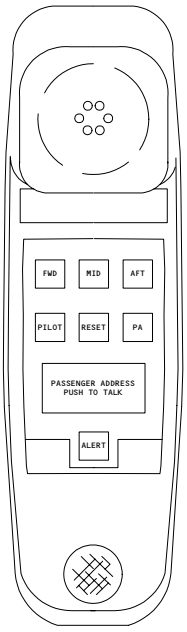


FLIGHT COMPARTMENT



PILOTS' CALL PANEL, M51

B



HANDSET, B61 (EXAMPLE)

C

Cabin Interphone System - Component Location
Figure 102 (Sheet 2)

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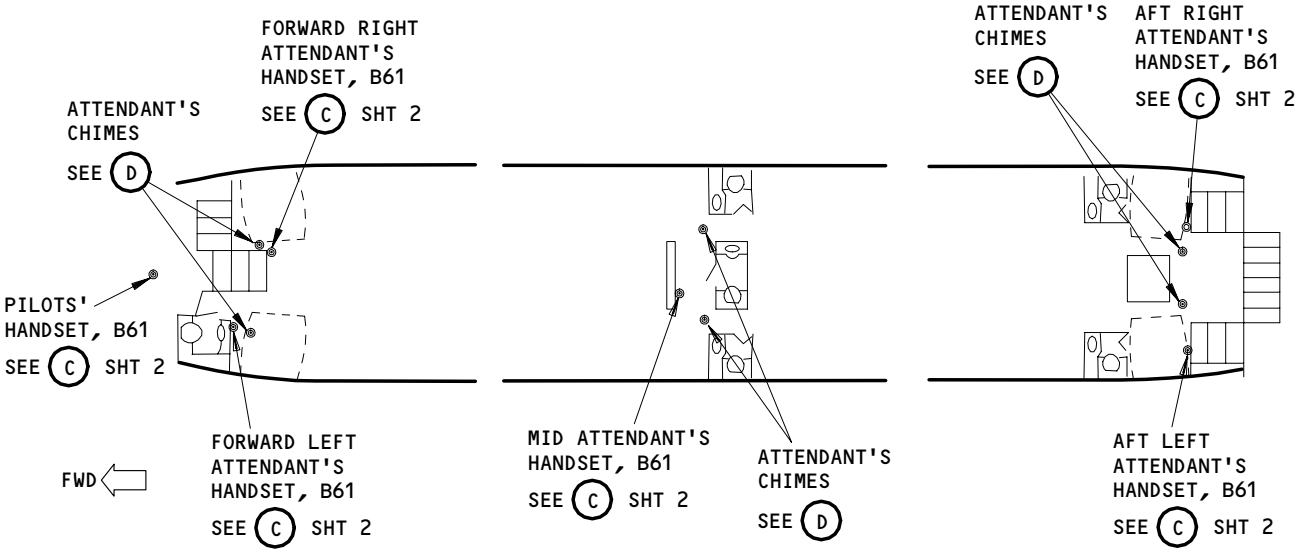
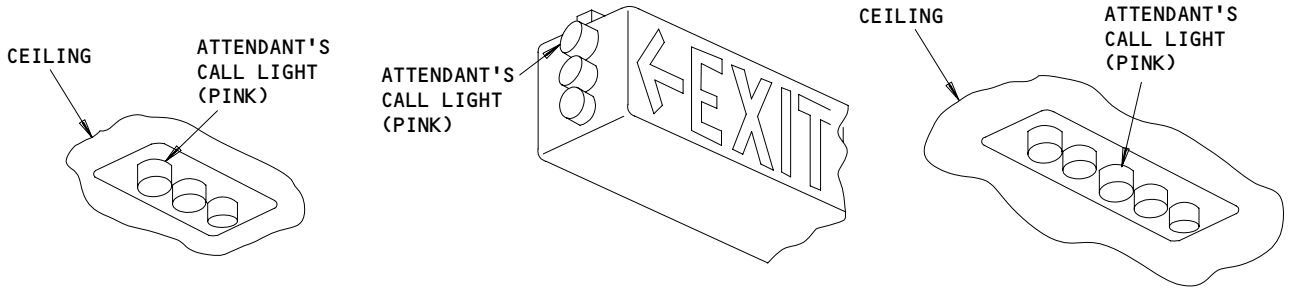
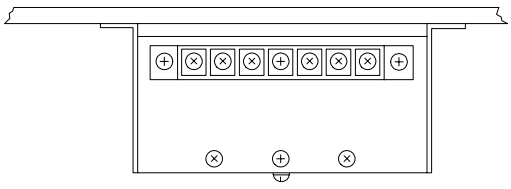


HANDSET AND CHIME LOCATIONS



ATTENDANT'S CALL LIGHT (EXAMPLE)



ELECTRONIC CHIME B139, B144-148

D

Cabin Interphone System - Component Location
Figure 102 (Sheet 3)

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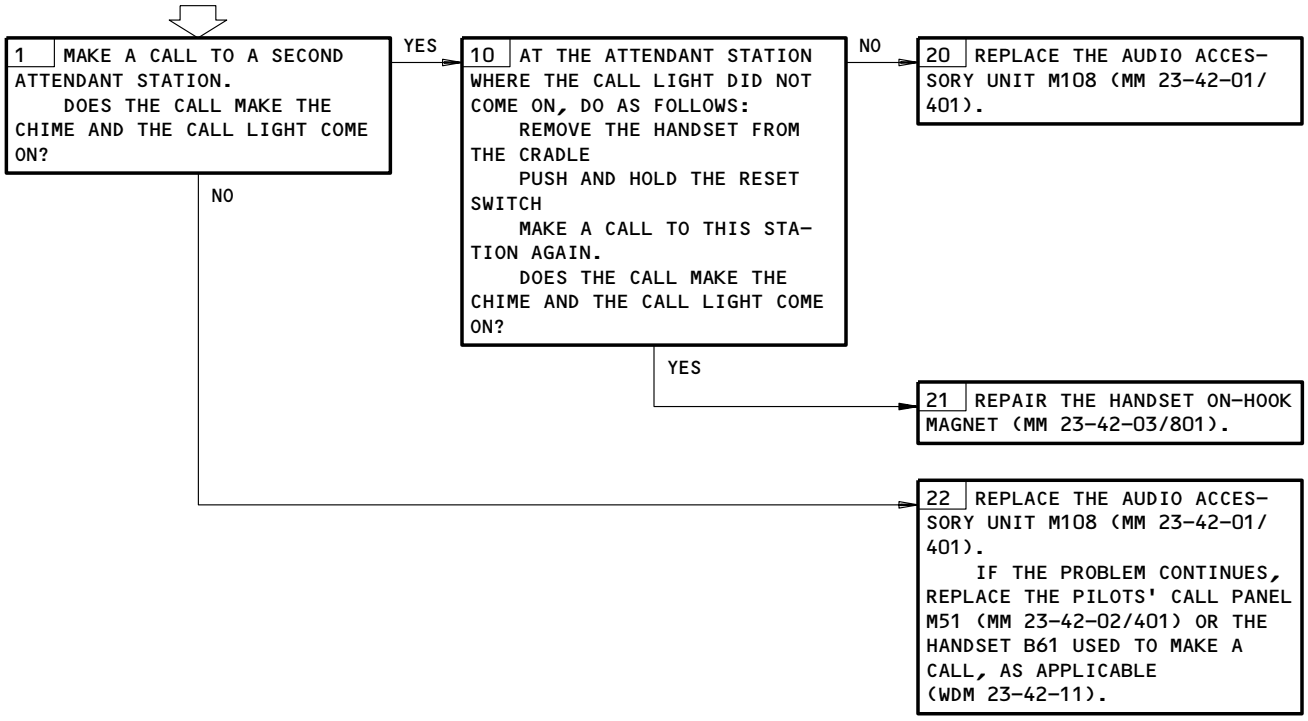
CABIN CHIME AND CALL LIGHT/ATTENDANT CALL FROM PILOT OR ATTENDANT PROBLEM

PREREQUISITES:

MAKE SURE THIS CIRCUIT BREAKER IS CLOSED:
11C23

MAKE SURE THE AIRPLANE IS IN THE CONFIGURATION THAT FOLLOWS:
ELECTRICAL POWER IS ON (MM 24-22-00/201)



Cabin Chime and Call Light/Attendant Call from Pilot or Attendant Problem
Figure 103

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GROUND CREW CALL SYSTEM

COMPONENT	FIG. 102 SHT	QTY	ACCESS/AREA	AMM REFERENCE
CARD - (FIM 21-58-00/101)				
EQUIP COOLING IND, M867				
CIRCUIT BREAKER -			FLT COMPT, P6	
EQUIP COOL GND WARN, C711	--	1	6D6	*
CIRCUIT BREAKER -			FLT COMPT, P11	
GND CALL, C560	--	1	11H32	*
DIODE - SUPPRESSOR, R252	--	1	119AL, MAIN EQUIP CTR, E2-5	*
HORN - GROUND CREW CALL, B60	--	1	714, NOSE WHEEL WELL	23-43-01
MODULE - (FIM 31-51-00/101)				
BELL CHIME AURAL WARNING, M1000				
PANEL - (FIM 23-42-00/101)				
PILOTS' CALL, M51				
PANEL - (FIM 26-15-00/101)				
APU SHUTDOWN (REMOTE CONTROL), P40				
SWITCH - FLT DECK CALL, S426	--	1	NOSE LANDING GEAR, APU SHUTDOWN PANEL, P40	*
SWITCH-LIGHT - GND CALL, YDCS10	--	1	FLT COMPT, P5, PILOTS' CALL PANEL, M51	*

* SEE THE WDM EQUIPMENT LIST

Ground Crew Call System - Component Index
Figure 101

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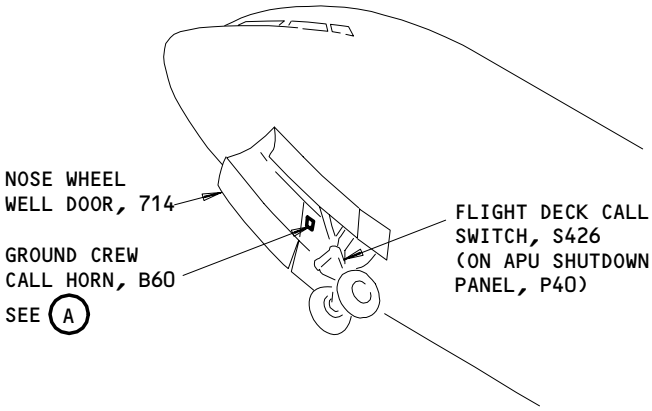
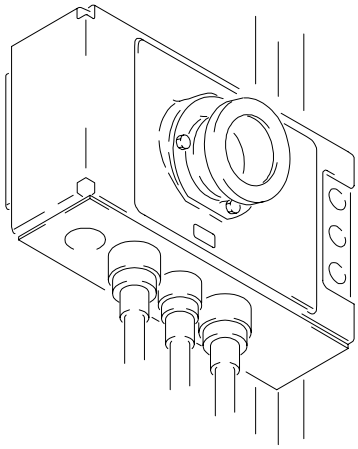
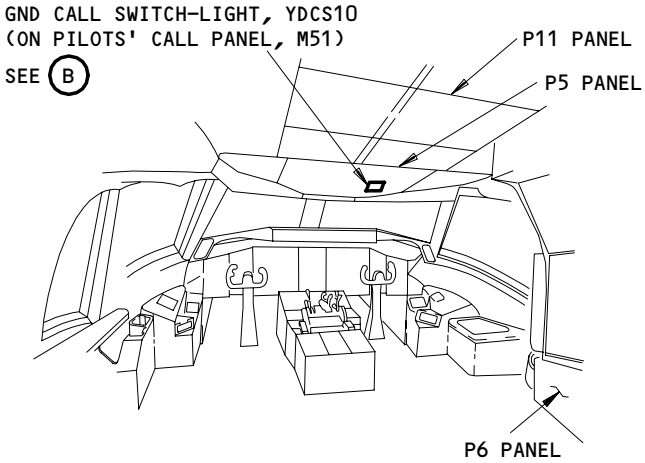
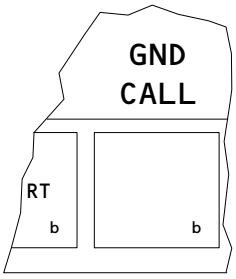




GROUND CREW CALL HORN, B60
A



FLIGHT COMPARTMENT



GND CALL SWITCH-LIGHT, YDCS10
B

Ground Crew Call System - Component Location
Figure 102

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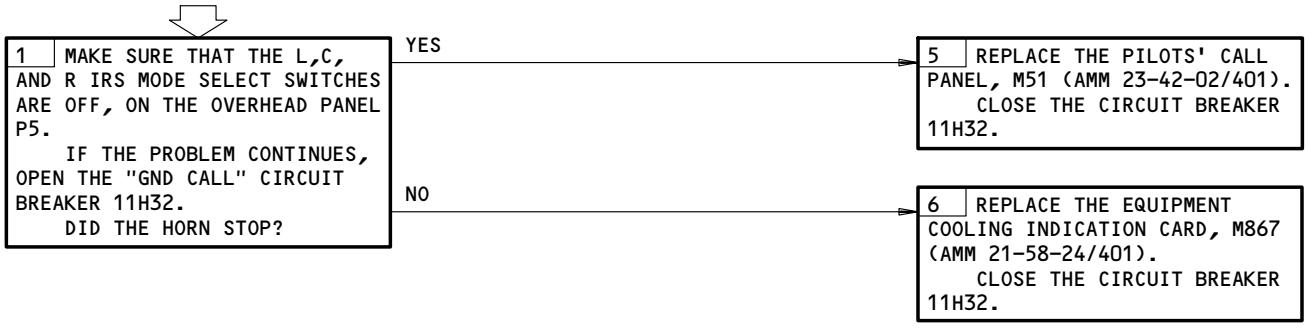
GROUND CREW CALL HORN SOUNDS CONTINUOUSLY

PREREQUISITES

MAKE SURE THESE CIRCUIT BREAKERS ARE CLOSED:
6D6,11H32,11P22

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



Ground Crew Call Horn Sounds Continuously
Figure 103

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GROUND CREW CALL HORN FAILS TO SOUND. EQUIPMENT COOLING FAILURE INDICATORS ON.

PREREQUISITES

MAKE SURE THESE CIRCUIT BREAKERS ARE CLOSED:
6D6,11H32,11P22

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

1 PUSH THE GND CALL SWITCH-LIGHT ON THE PILOTS' CALL PANEL, M51, ON THE OVERHEAD PANEL P5.
DID THE HORN OPERATE?

NO → 3 REPLACE THE GROUND CREW CALL HORN, B60 (AMM 23-43-01/401).

YES → 4 REPLACE THE EQUIPMENT COOLING INDICATION CARD, M867 (AMM 21-58-24/401).
IF THE PROBLEM CONTINUES, REPLACE THE PILOTS' CALL PANEL, M51 (AMM 23-42-02/401).

Ground Crew Call Horn Fails to Sound. Equipment Cooling Failure Indicators On.
Figure 104

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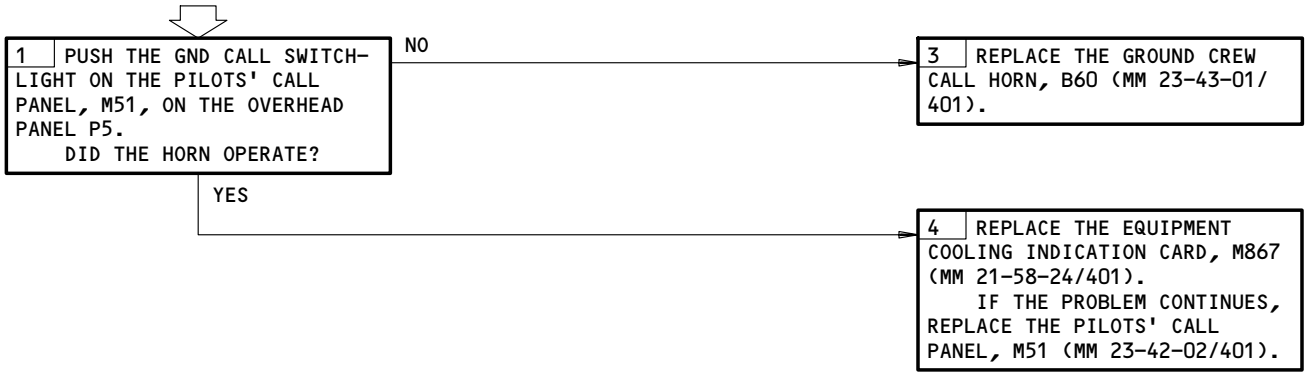
GROUND CREW CALL HORN FAILS TO SOUND. IRS MODE SELECT SWITCH (L,C, OR R) ON. L AND R DC POWER OFF.

PREREQUISITES

MAKE SURE THESE CIRCUIT BREAKERS ARE CLOSED:
6D6,11H32

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



Ground Crew Call Horn Fails to Sound. IRS Mode Select Switch (L,C, or R) On. L and R DC Power Off.
Figure 105

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FLIGHT INTERPHONE SYSTEM

COMPONENT	FIG. 102 SHT	QTY	ACCESS/AREA	REFERENCE
AMPLIFIER - (REF 23-31-00, FIG. 101)				
PASSENGER ADDRESS, M177				
CIRCUIT BREAKER -	1		FLT COMPT, P11	
INTERPHONE - DUAL PWR CAPT/OBS FLT AMPL, C644,C645		2	11C25,11G29	*
INTERPHONE - DUAL PWR F/O, C646,C647		2	11C26,11G30	*
DIODE - R58,R59,R60,R61	1	4	FLT COMPT, BEHIND P11	*
DIODE - ISOLATION, R472,R473,R474 1		3	MAIN EQUIP CENTER, E2-5	*
INTERROGATOR - (REF 34-55-00, FIG. 101)				
LEFT DME, M123				
RIGHT DME, M124				
JACK - CAPT HAND MIC, D861	1	1	FLT COMPT, P13	*
JACK - F/O HAND MIC, D863	1	1	FLT COMPT, P14	*
JACK - FLT INTPH, D8545	2	1	APU GROUND CONT PNL, P40	*
MIC - CAPT OXY MASK, M933	1	1	FLT COMPT	*
MIC - F/O OXY MASK, M934	1	1	FLT COMPT	*
MIC - F/OBS OXY MASK, M936	1	1	FLT COMPT	*
PANEL - (REF 34-51-00, FIG. 101)				
LEFT VOR CONT, M91				
RIGHT VOR CONT, M92				
PANEL - CAPT AUDIO SELECTOR, M70	1	1	FLT COMPT, P8	23-51-01
PANEL - CAPT JACK, M889	1	1	FLT COMPT, P15	*
PANEL - F/O AUDIO SELECTOR, M71	1	1	FLT COMPT, P8	23-51-01
PANEL - F/O JACK, M890	1	1	FLT COMPT, P16	*
PANEL - F/OBS AUDIO SELECTOR, M98	1	1	FLT COMPT, P61	23-51-01
PANEL - F/OBS JACK, M133	1	1	FLT COMPT, P61	*
PANEL - SEC/OBS JACK, M892	1	1	FLT COMPT, P63	*
RECEIVER - (REF 34-31-00, FIG. 101)				
CENTER ILS, M157				
LEFT ILS, M156				
RIGHT ILS, M158				
RECEIVER - (REF 34-51-00, FIG. 101)				
LEFT VOR/MKR, M186				
RIGHT VOR/MKR, M187				
RECEIVER - (REF 34-57-00, FIG. 101)				
LEFT ADF, M215				
RIGHT ADF, M216				
RECORDER - (REF 23-71-00, FIG. 101)				
VOICE, M201				
SPEAKER - CAPT COCKPIT, B1	1	1	FLT COMPT	23-51-02
SPEAKER - F/O COCKPIT, B2	1	1	FLT COMPT	23-51-02

* SEE THE WDM EQUIPMENT LIST

1 SAS 150-152 WITH SB 23-32, SAS 050-149,153-999 AND ALL MTH AIRPLANES.

Flight Interphone System - Component Index
Figure 101 (Sheet 1)

750746
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COMPONENT	FIG. 102 SHT	QTY	ACCESS/AREA	REFERENCE
STOWAGE - CAPT OXY MASK, M933	1	1	FLT COMPT	*
STOWAGE - F/O OXY MASK, M934	1	1	FLT COMPT	*
STOWAGE - F/OBS OXY MASK, M936	1	1	FLT COMPT	*
SUPPRESSOR BLOCK - PTT, R538-R542	1	5	119AL, MAIN EQUIP CTR, E2-5	*
SWITCH - CAPT PTT INTPH, S549	1	1	FLT COMPT, CAPT CONT WHEEL	23-51-03
SWITCH - CAPT R/T PTT, S550	1	1	FLT COMPT, CAPT CONT WHEEL	23-51-03
SWITCH - F/O PTT INTPH, S551	1	1	FLT COMPT, F/O CONT WHEEL	23-51-03
SWITCH - F/O R/T PTT, S552	1	1	FLT COMPT, F/O CONT WHEEL	23-51-03
UNIT - (REF 23-42-00, FIG. 101)				
AUDIO ACCESSORY, M108				
XCVER - (REF 23-11-00, FIG. 101)				
LEFT HF COMM, M152				
RIGHT HF COMM, M153				
XCVER - (REF 23-12-00, FIG. 101)				
CENTER VHF COMM, M190				
LEFT VHF COMM, M188				
RIGHT VHF COMM, M189				

* SEE THE WDM EQUIPMENT LIST

Flight Interphone System - Component Index
Figure 101 (Sheet 2)

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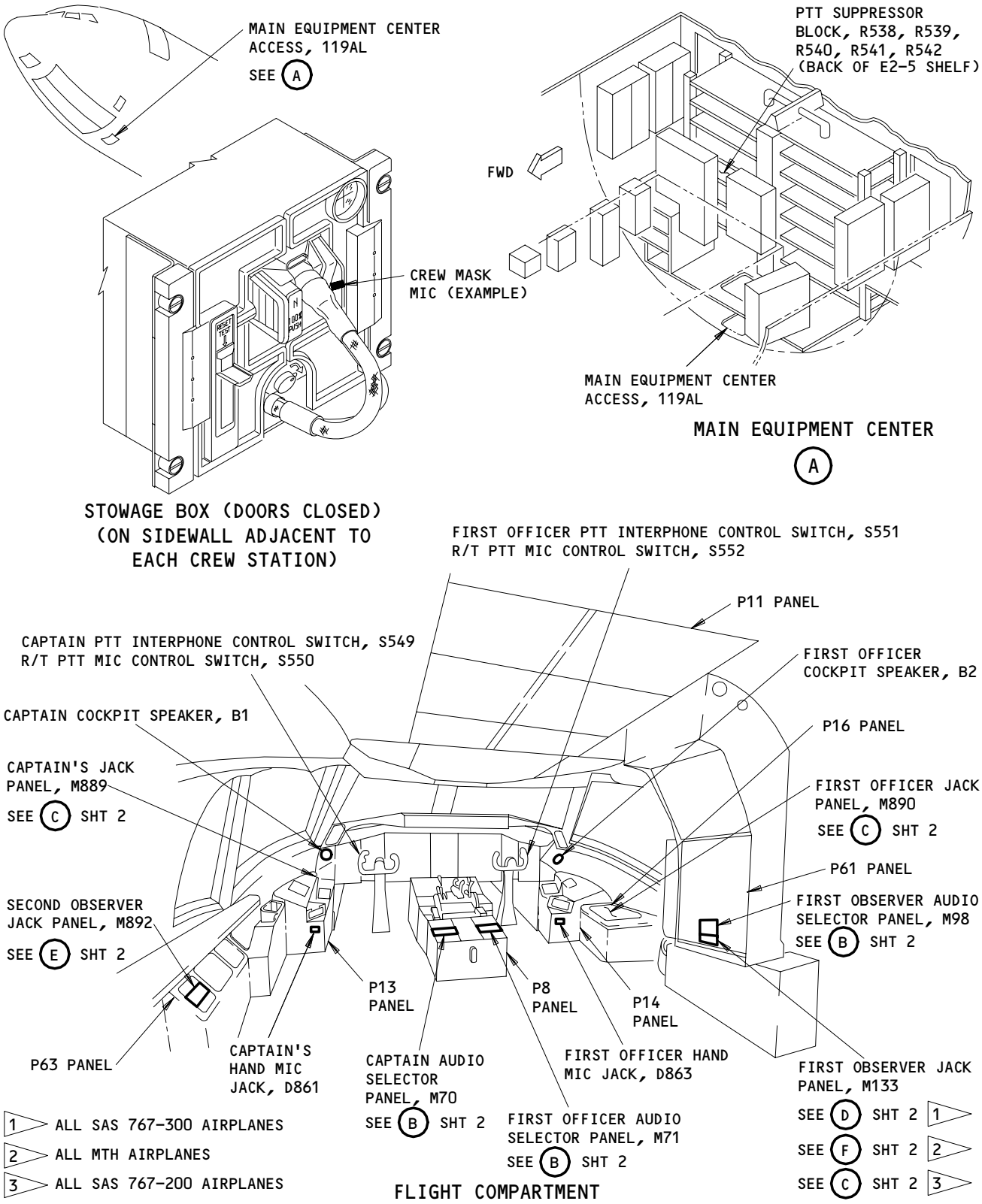
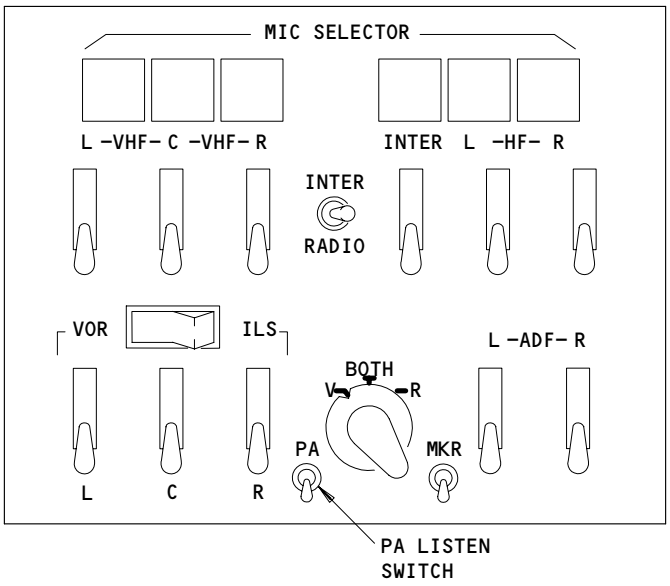


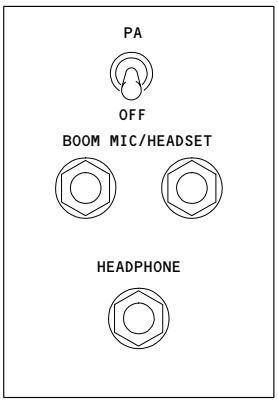
Flight Interphone System - Component Location
Figure 102 (Sheet 1)

665997
BOEING PROPRIETARY - Copyright (C) - Unpublished Work - See title page for details.



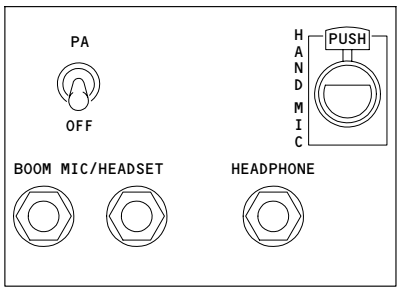
CAPTAIN, FIRST OFFICER OR FIRST OBSERVER
AUDIO SELECTOR PANEL, M70, M71, OR M98

(B) FROM SHT 1



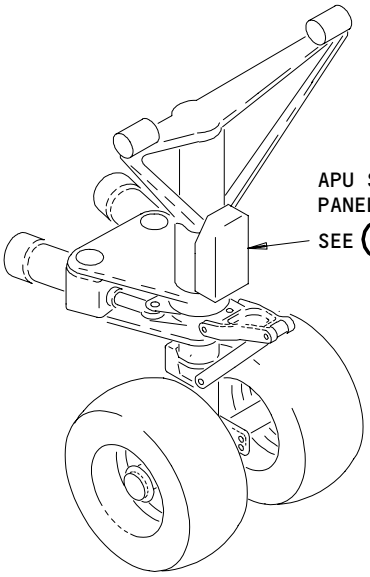
CAPTAIN 1, FIRST OFFICER 1, OR
FIRST OBSERVER 3 JACK PANEL
M889 1, M890 1, OR M133 3

(C) FROM SHT 1

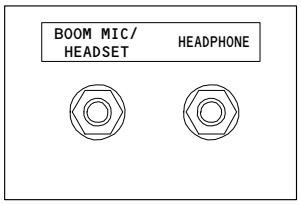


FIRST OBSERVER JACK PANEL, M133

(D) 1 FROM SHT 1

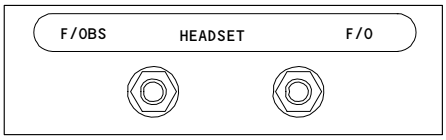


NOSE LANDING GEAR



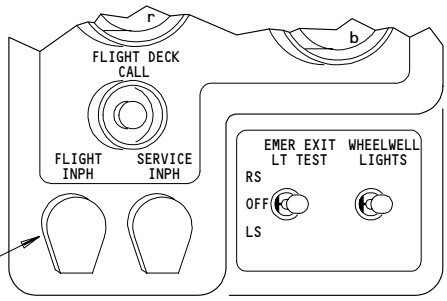
CAPTAIN, FIRST OFFICER OR
FIRST OBSERVER JACK PANEL
M889, M890, M133

(F) FROM SHT 1
2



SECOND OBSERVER JACK PANEL, M892

(E) FROM SHT 1



FLIGHT
INTERPHONE
JACK, D8545

APU SHUTDOWN PANEL, P40

(G)

1 ALL SAS 767-300 AIRPLANES
2 ALL MTH AIRPLANES
3 ALL SAS 767-200 AIRPLANES

Flight Interphone System - Component Location
Figure 102 (Sheet 2)

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STATIC DISCHARGERS

COMPONENT	FIG. 102 SHT	QTY	ACCESS/AREA	AMM REFERENCE
BASE – ALUMINUM STATIC DISCHARGER, TRAILING EDGE TYPE	3	6	HORIZ STABILIZER OUTBOARD TRAILING EDGES	23-61-01
	3	2	HORIZ STABILIZER TIPS	23-61-01
	2	4	OUTBOARD AILERONS	23-61-01
	3	3	RUDDER	23-61-01
	2	2	WINGTIPS	23-61-01
BASE – STATIC DISCHARGER, TIP TYPE	3	4	HORIZ STABILIZER TIPS	23-61-01
	3	2	VERTICAL STABILIZER TIP	23-61-01
	2	4	WINGTIPS	23-61-01
BASE – TITANIUM STATIC DISCHARGER, TRAILING EDGE TYPE	2	8	OUTBOARD AILERONS	23-61-01
	3	2	OUTBOARD ELEVATORS	23-61-01
	3	2	RUDDER	23-61-01
DISCHARGER – TIP TYPE STATIC	3	4	HORIZ STABILIZER TIPS	23-61-01
	3	2	VERTICAL STABILIZER TIP	23-61-01
	2	4	WINGTIPS	23-61-01
DISCHARGER – TRAILING EDGE TYPE STATIC	3	6	HORIZ STABILIZER OUTBOARD TRAILING EDGES	23-61-01
	3	2	HORIZ STABILIZER TIPS	23-61-01
	2	12	OUTBOARD AILERONS	23-61-01
	3	2	OUTBOARD ELEVATORS	23-61-01
	3	5	RUDDER	23-61-01
	2	2	WINGTIPS	23-61-01
MOUNTING PLATE – ALUMINUM STATIC DISCHARGER BASE	3	6	HORIZ STABILIZER OUTBOARD TRAILING EDGES	23-61-01
	3	1	RUDDER	23-61-01
MOUNTING PLATE – TITANIUM STATIC DISCHARGER BASE	3	2	OUTBOARD ELEVATORS	23-61-01
	3	2	RUDDER	23-61-01
	2	8	OUTBOARD AILERONS	23-61-01

Static Dischargers – Component Index
Figure 101

111547
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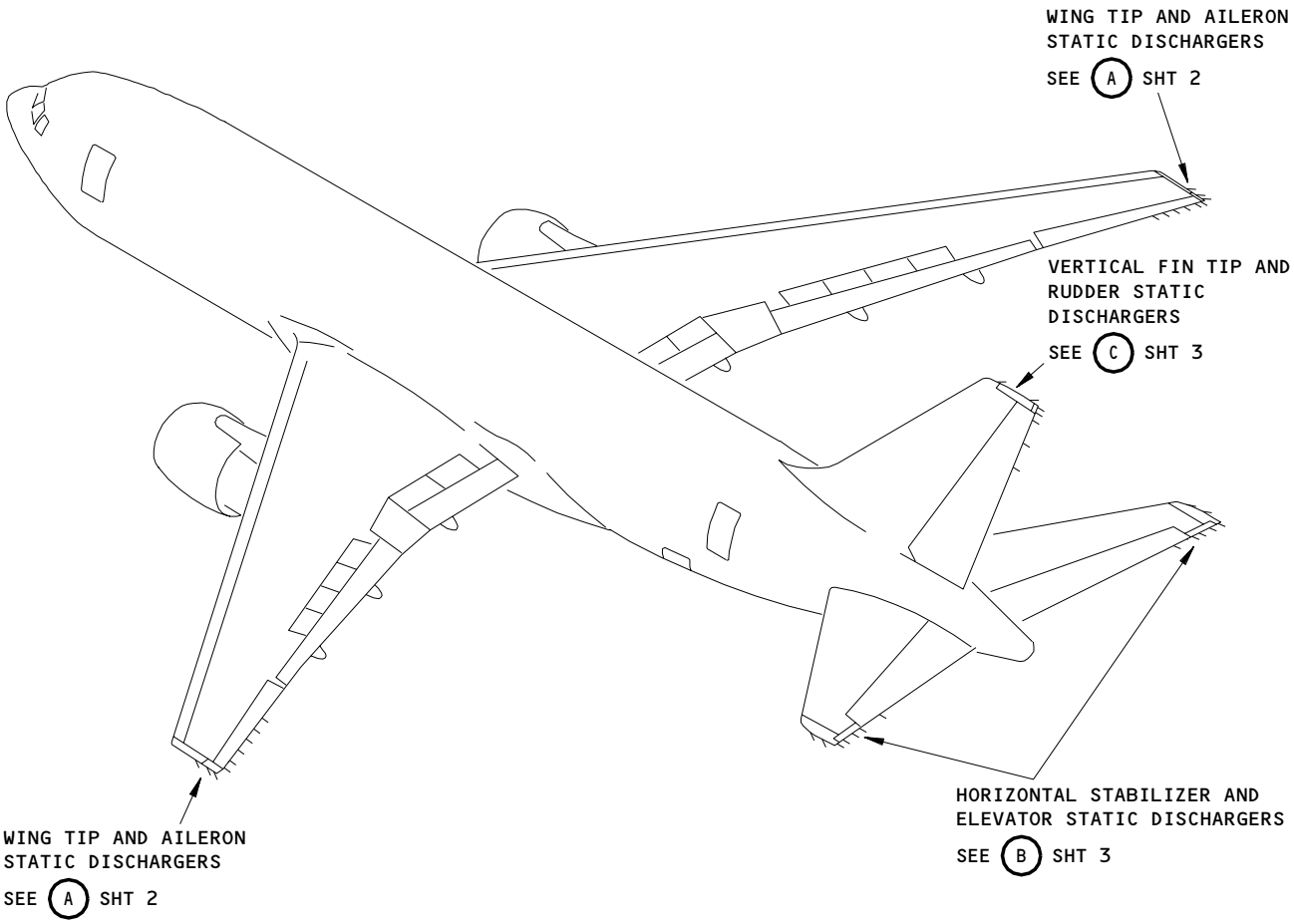

Static Dischargers - Component Location
Figure 102 (Sheet 1)

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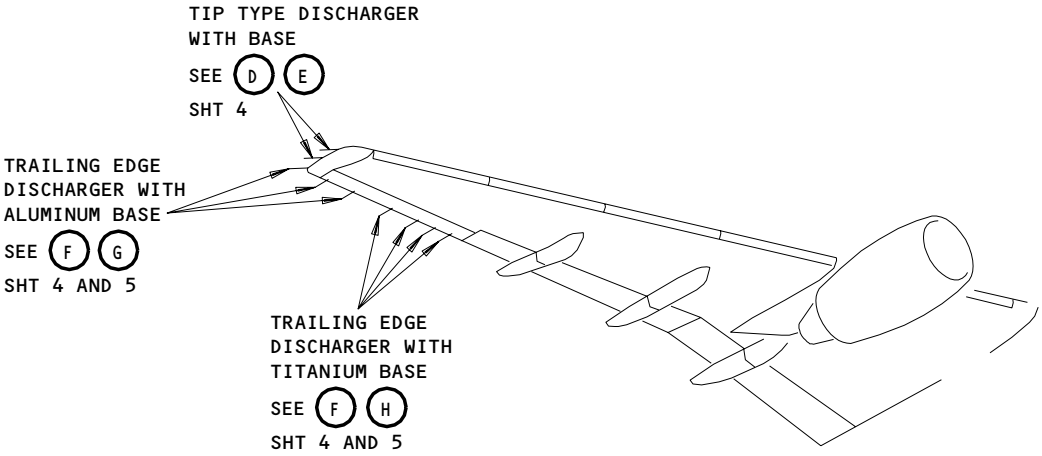

WING TIP AND AILERON STATIC DISCHARGERS (EXAMPLE)
A

Static Dischargers - Component Location (Detail from Sht 1)
Figure 102 (Sheet 2)

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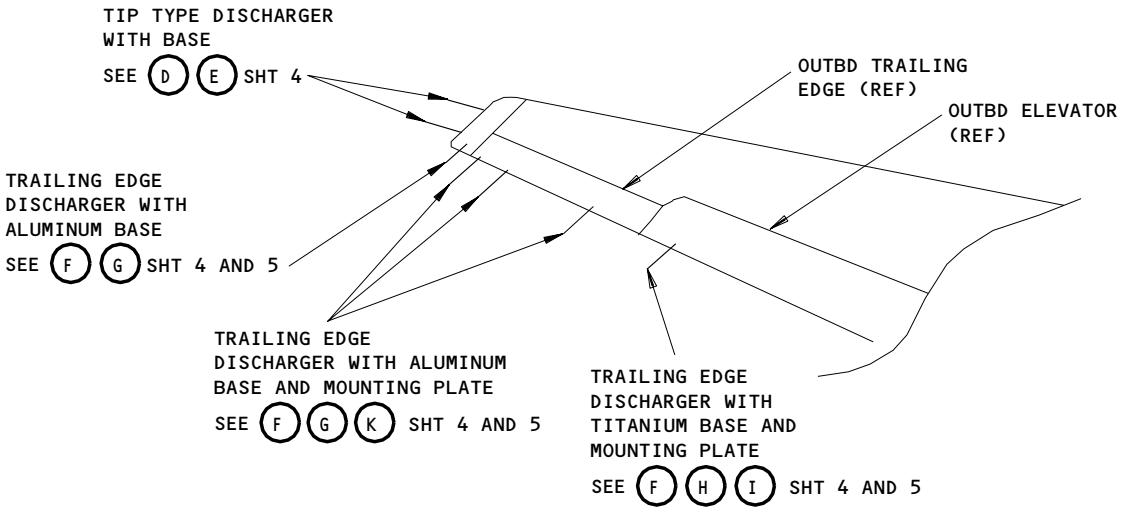
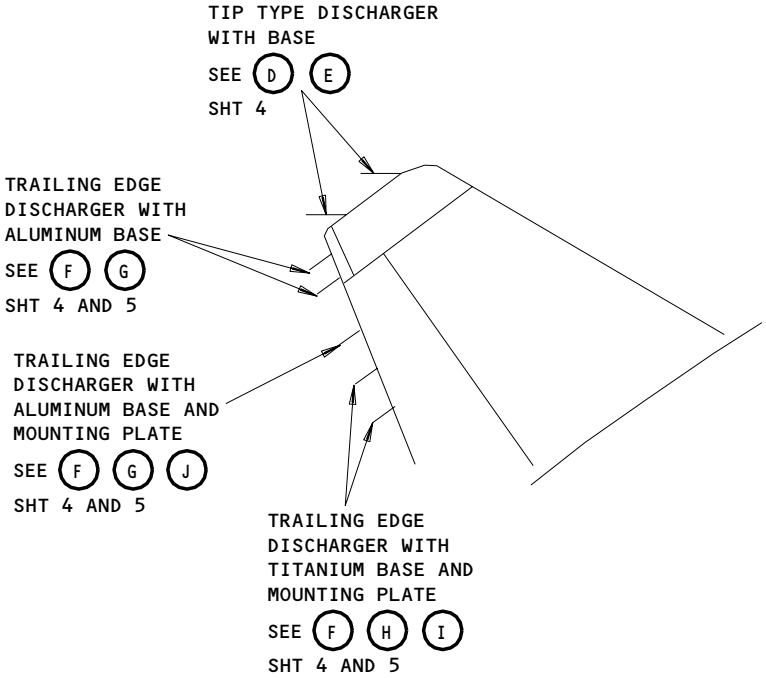


HORIZONTAL STABILIZER AND ELEVATOR STATIC DISCHARGERS (EXAMPLE)

B



VERTICAL FIN TIP AND RUDDER STATIC DISCHARGERS

C

Static Dischargers - Component Location (Details from Sht 1)
Figure 102 (Sheet 3)

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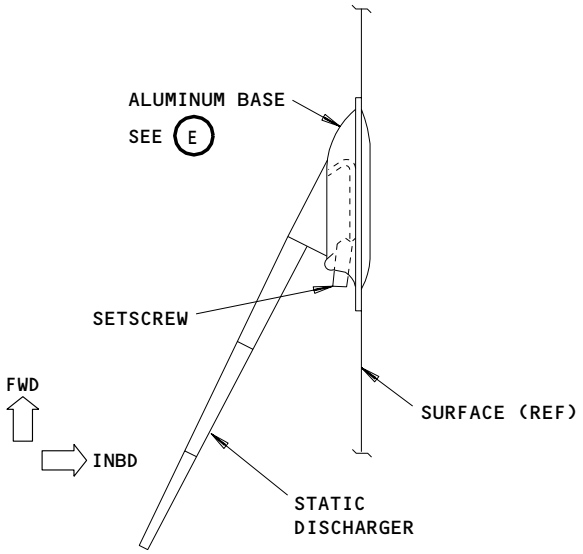
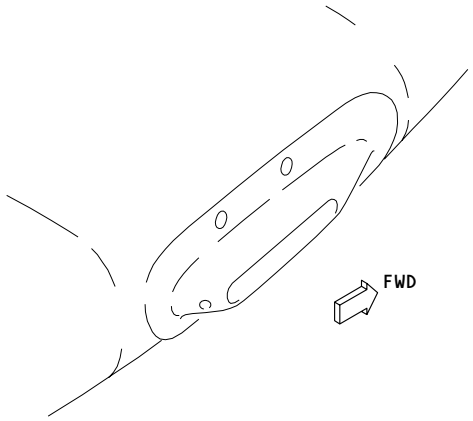


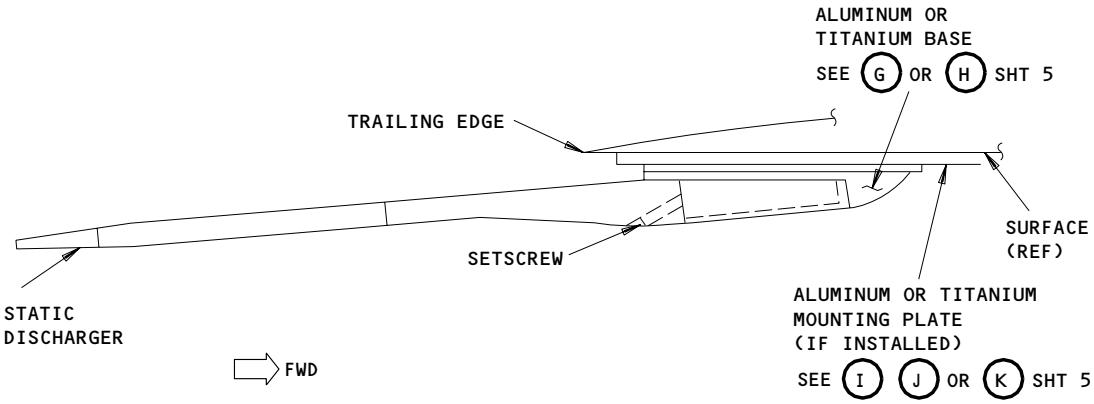
TIP TYPE STATIC DISCHARGER

D



TIP TYPE STATIC DISCHARGER BASE
(ALUMINUM – FLAT OR CURVED SURFACE)

E



TRAILING EDGE TYPE STATIC DISCHARGER

F

Static Dischargers – Component Location (Details from Sht 2 and 3)
Figure 102 (Sheet 4)

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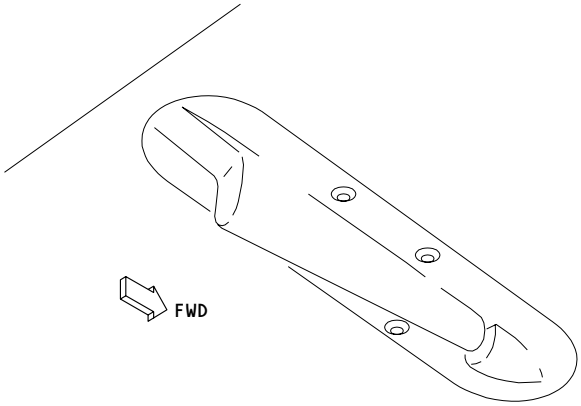
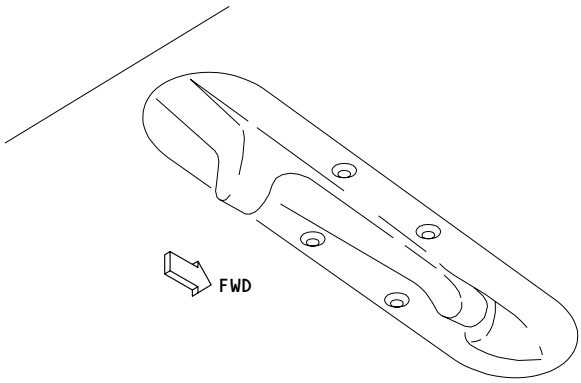


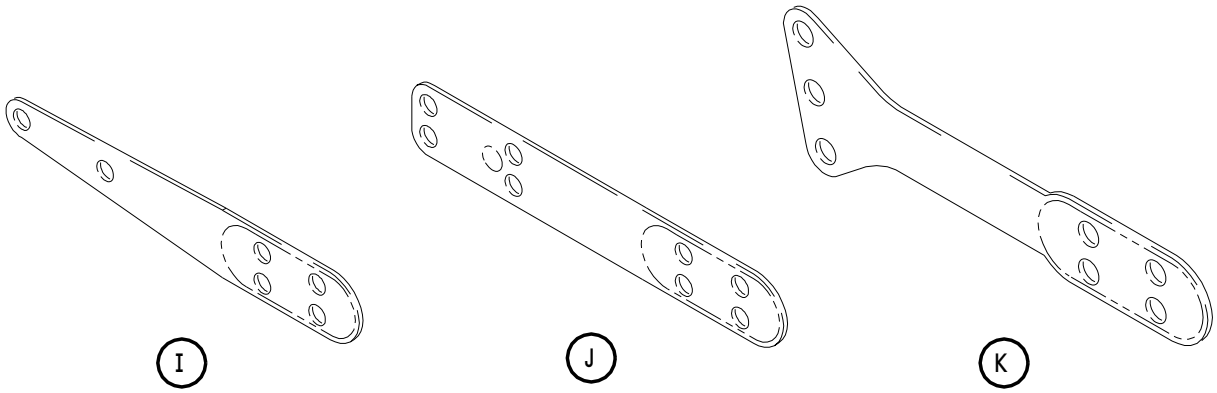
TRAILING EDGE TYPE STATIC
DISCHARGER BASE
(ALUMINUM)

G



TRAILING EDGE TYPE STATIC
DISCHARGER BASE
(TITANIUM)

H



STATIC DISCHARGER BASE MOUNTING PLATE
(ALUMINUM OR TITANIUM)

Static Discharger - Component Location (Details from Sht 2, 3 and 4)
Figure 102 (Sheet 5)

K38418

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VOICE RECORDER SYSTEM

COMPONENT	FIG. 102 SHT	QTY	ACCESS/AREA	AMM REFERENCE
BEACON – UNDERWATER LOCATOR	--	1	AFT PASSENGER CABIN CEILING, E7	23-71-03
CIRCUIT BREAKER			FLT COMPT, P11	
VOICE RECORDER, C532	--	1	11H34	*
PANEL – (FIM 23-51-00/101)				
CAPT AUDIO SELECTOR, M70				
F/O AUDIO SELECTOR, M71				
1ST OBS AUDIO SELECTOR, M98				
PANEL – VOICE RECORDER CONTROL, M50	--	1	FLT COMPT, P5	23-71-02
RECORDER – VOICE, M201	--	1	AFT PASSENGER CABIN CEILING, E7	23-71-01
RELAY – (FIM 31-01-36/101)				
SYS NO. 1 AIR/GROUND, K178				
PARK BRAKE CLOSE SENSE, K419				

* SEE THE WDM EQUIPMENT LIST

Voice Recorder System – Component Index
Figure 101

293551
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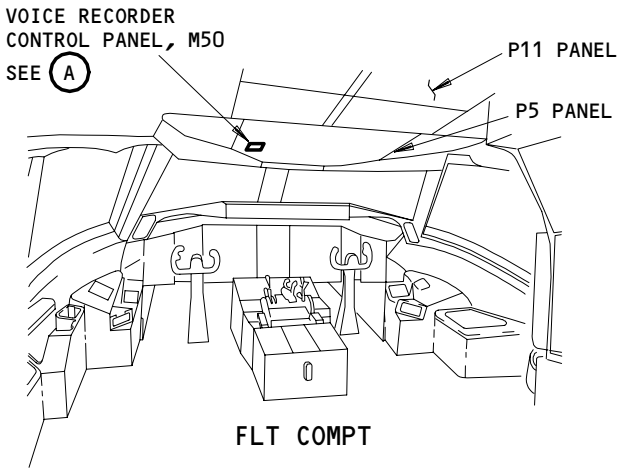
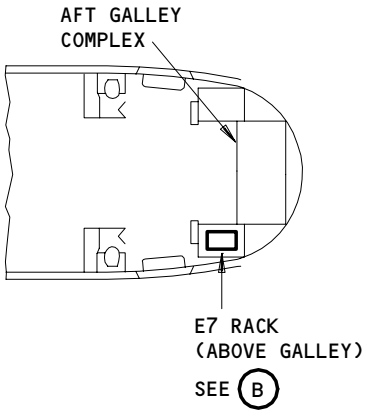
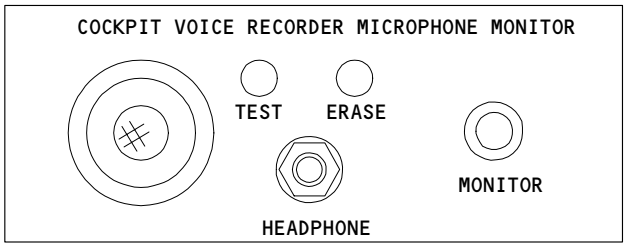
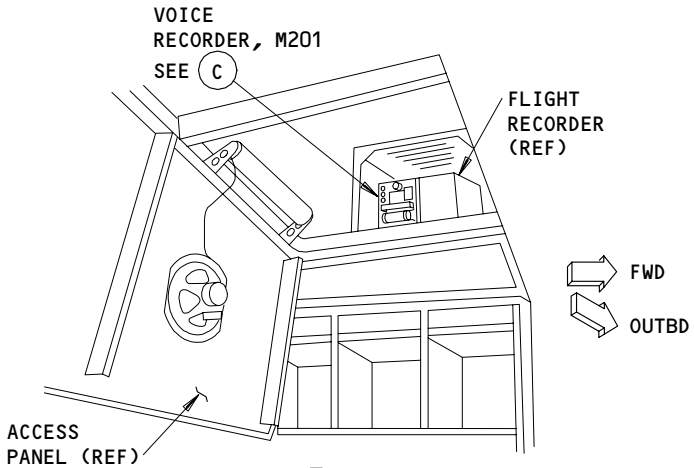






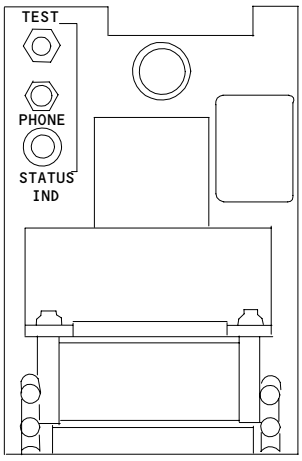
VOICE RECORDER CONTROL PANEL, M50

A



E7 RACK

B



VOICE RECORDER, M201

C

Component Location
Figure 102

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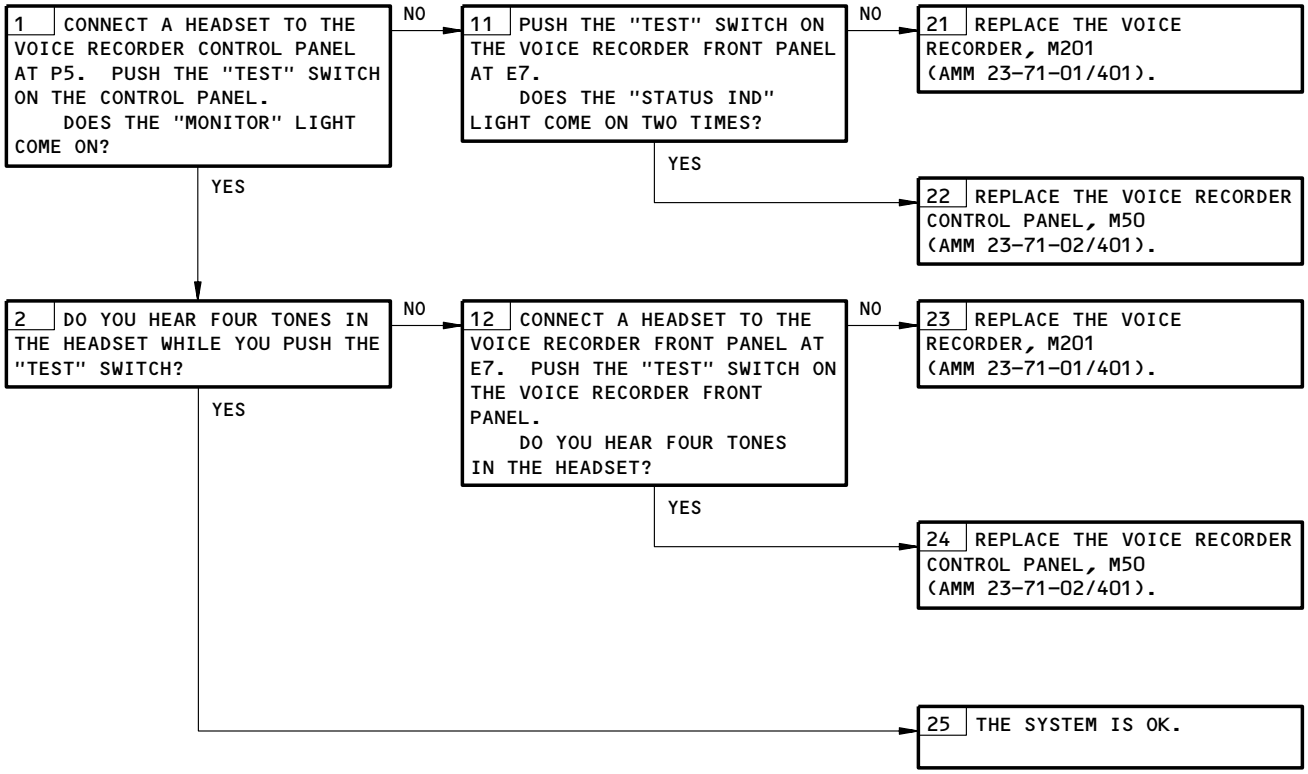
VOICE RECORDER BITE PROCEDURE

PREREQUISITES

MAKE SURE THIS CIRCUIT BREAKER IS CLOSED:
11H34

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



Voice Recorder BITE Procedure
Figure 103

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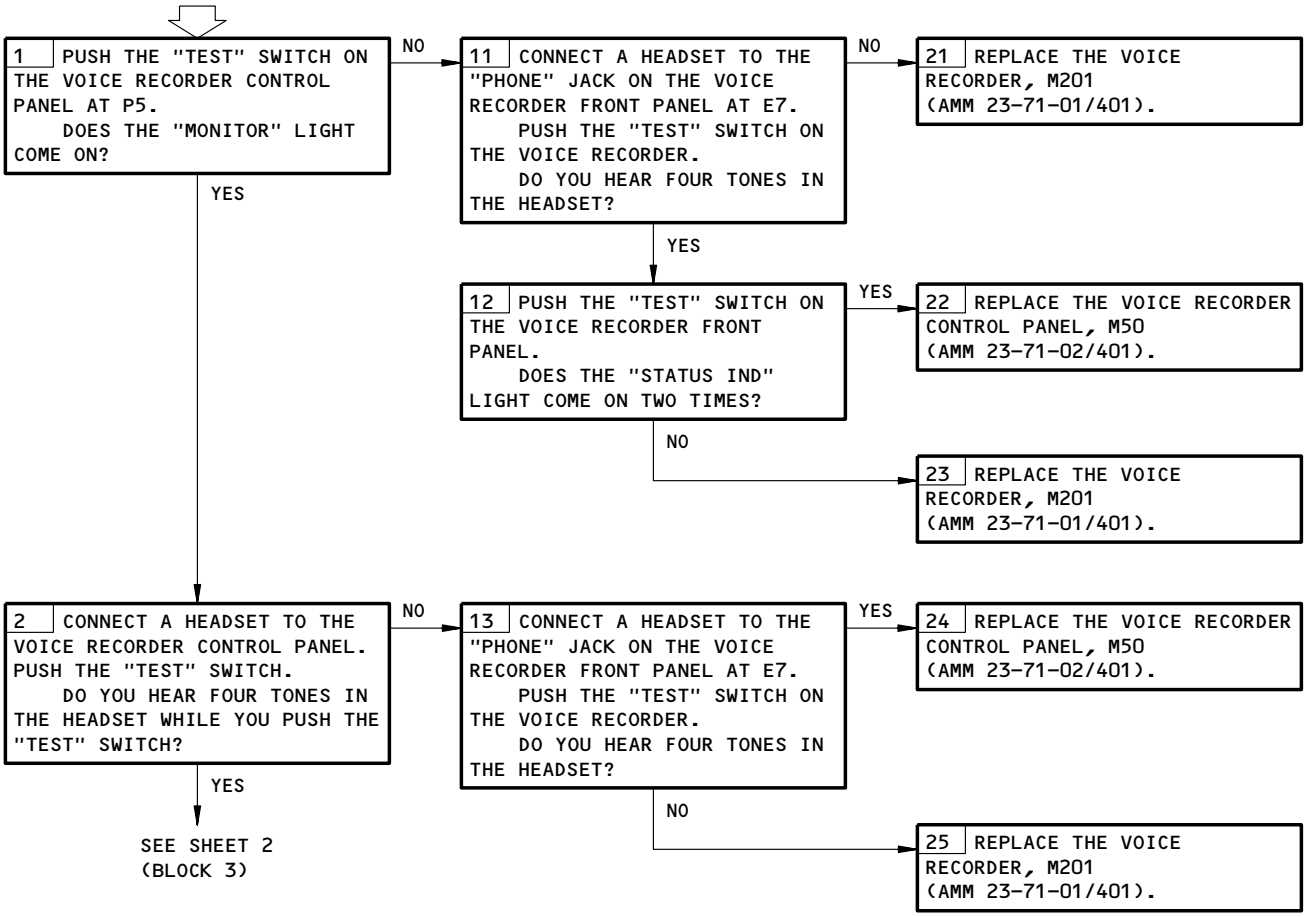
VOICE RECORDER SYSTEM FAULT ISOLATION

PREREQUISITES

MAKE SURE THIS SYSTEM WILL OPERATE:
FLIGHT INTERPHONE SYSTEM (AMM 23-51-00/501)

MAKE SURE THESE CIRCUIT BREAKERS ARE CLOSED:
6F4, 11C25, 11C26, 11G29, 11G30, 11H34, 11U15

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



Voice Recorder System Fault Isolation
Figure 104 (Sheet 1)

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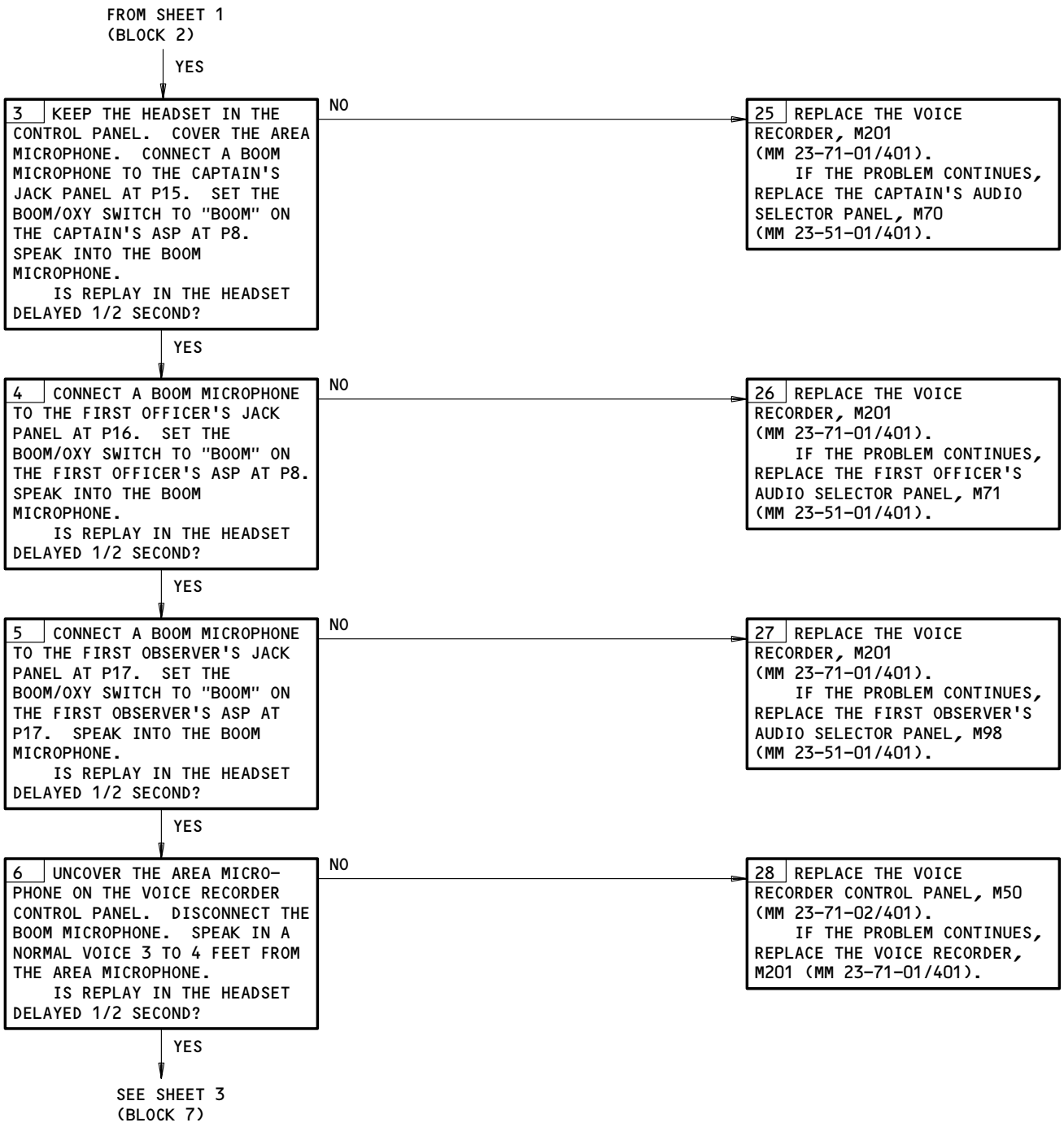

Voice Recorder System FAult Isolation
Figure 104 (Sheet 2)

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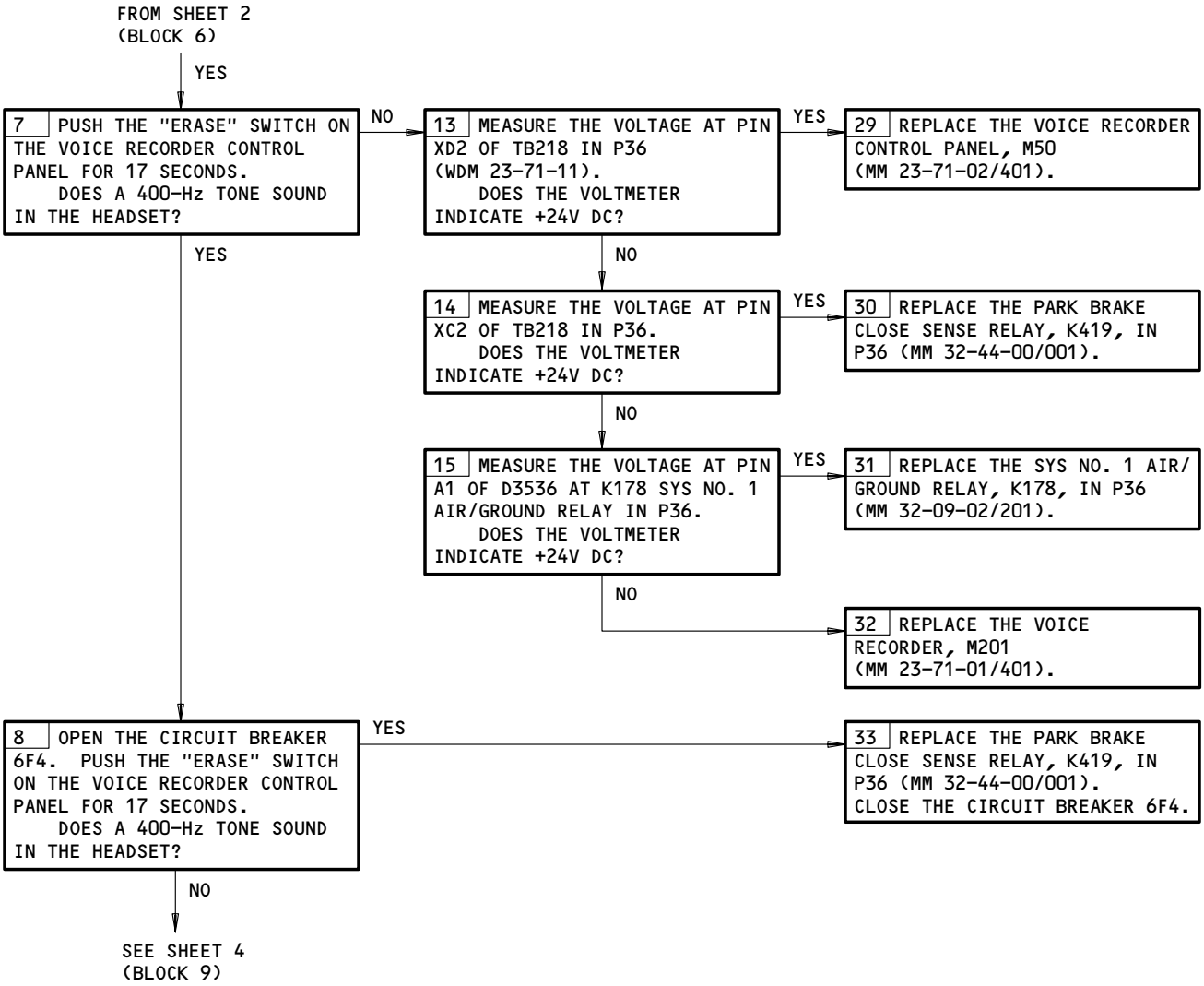

Voice Recorder System Fault Isolation
Figure 104 (Sheet 3)

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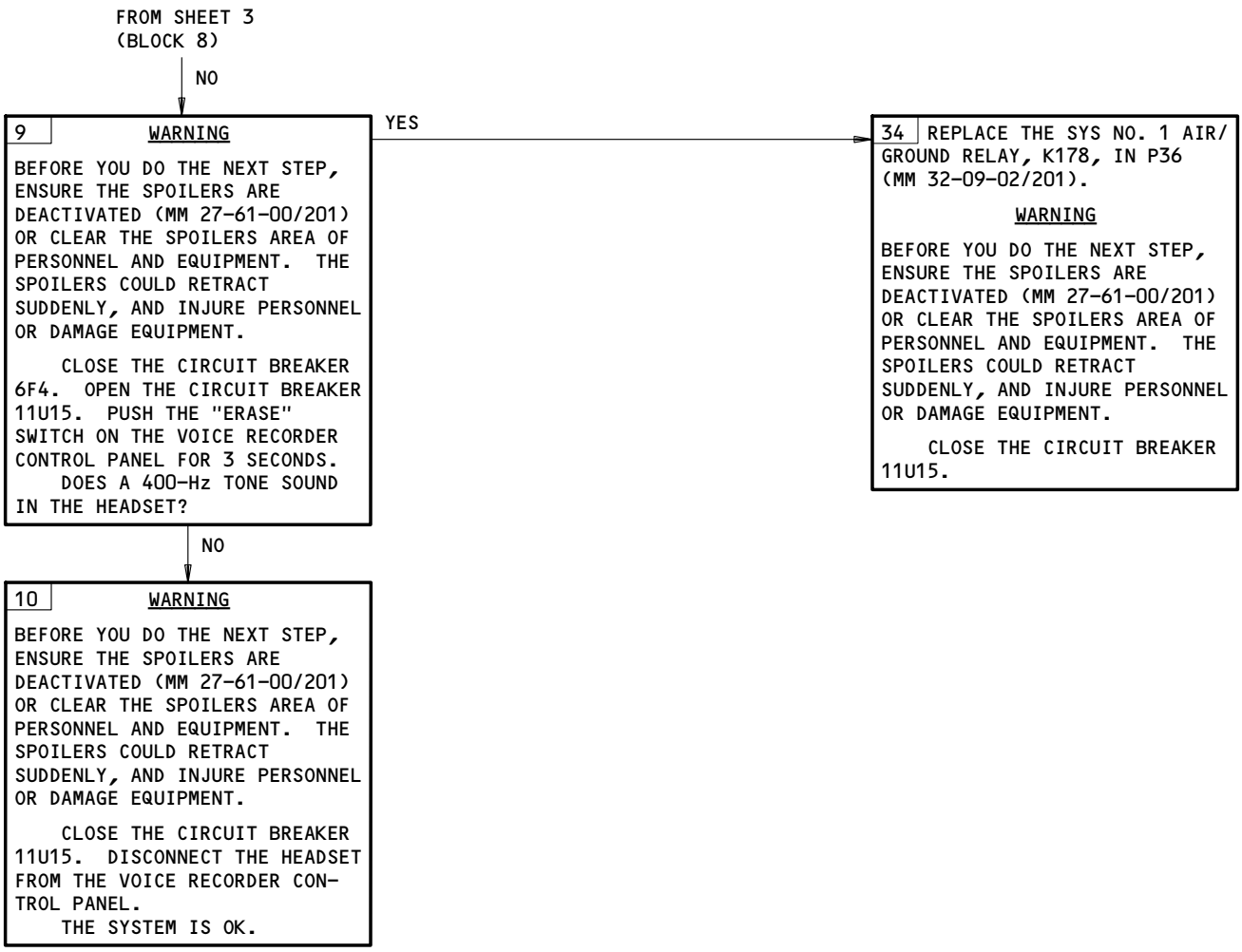

Voice Recorder System Fault Isolation
Figure 104 (Sheet 4)

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