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 FAULT ISOLATION/MAINT MANUAL

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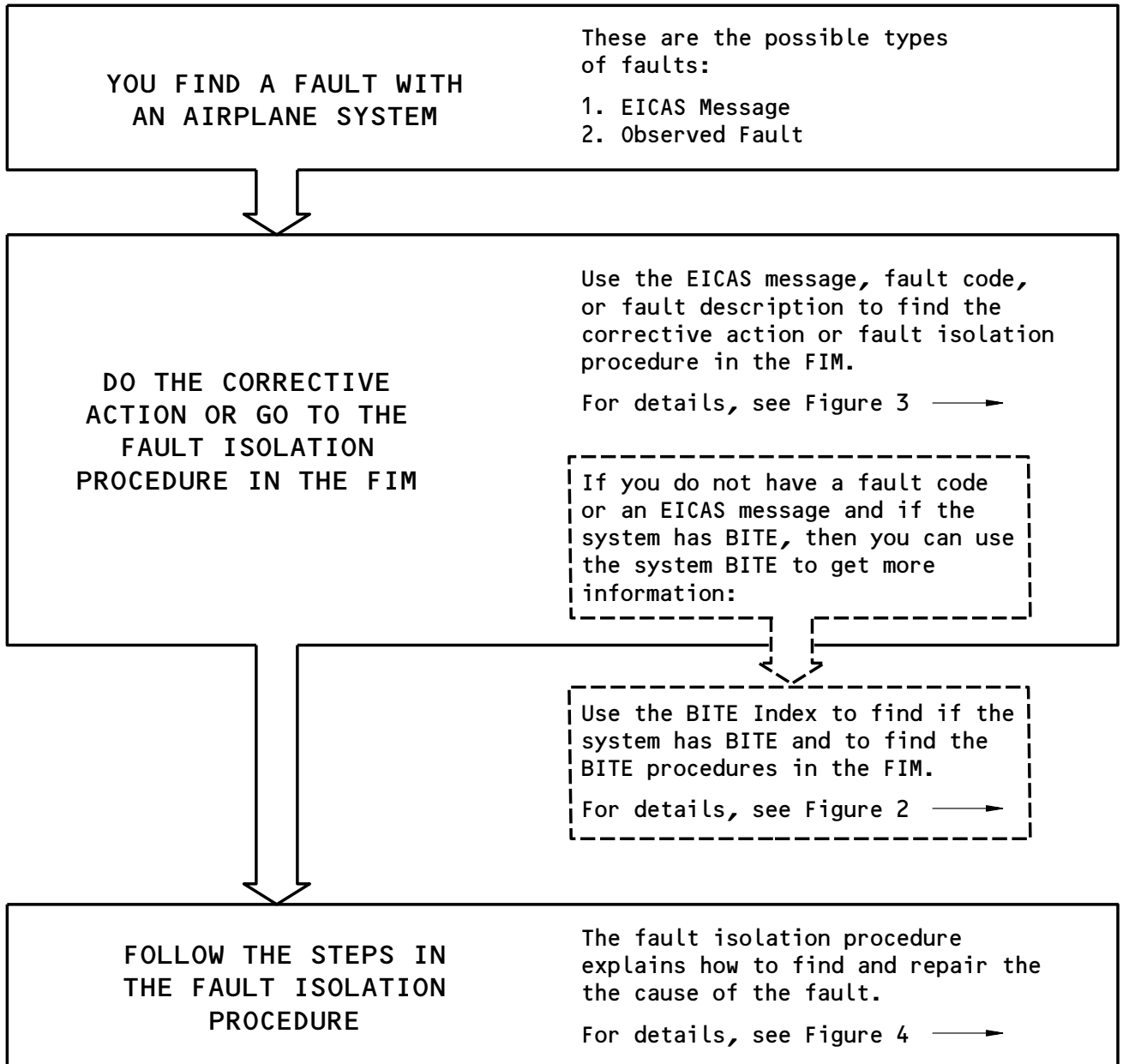
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Basic Fault Isolation Process  
Figure 1

EFFECTIVITY

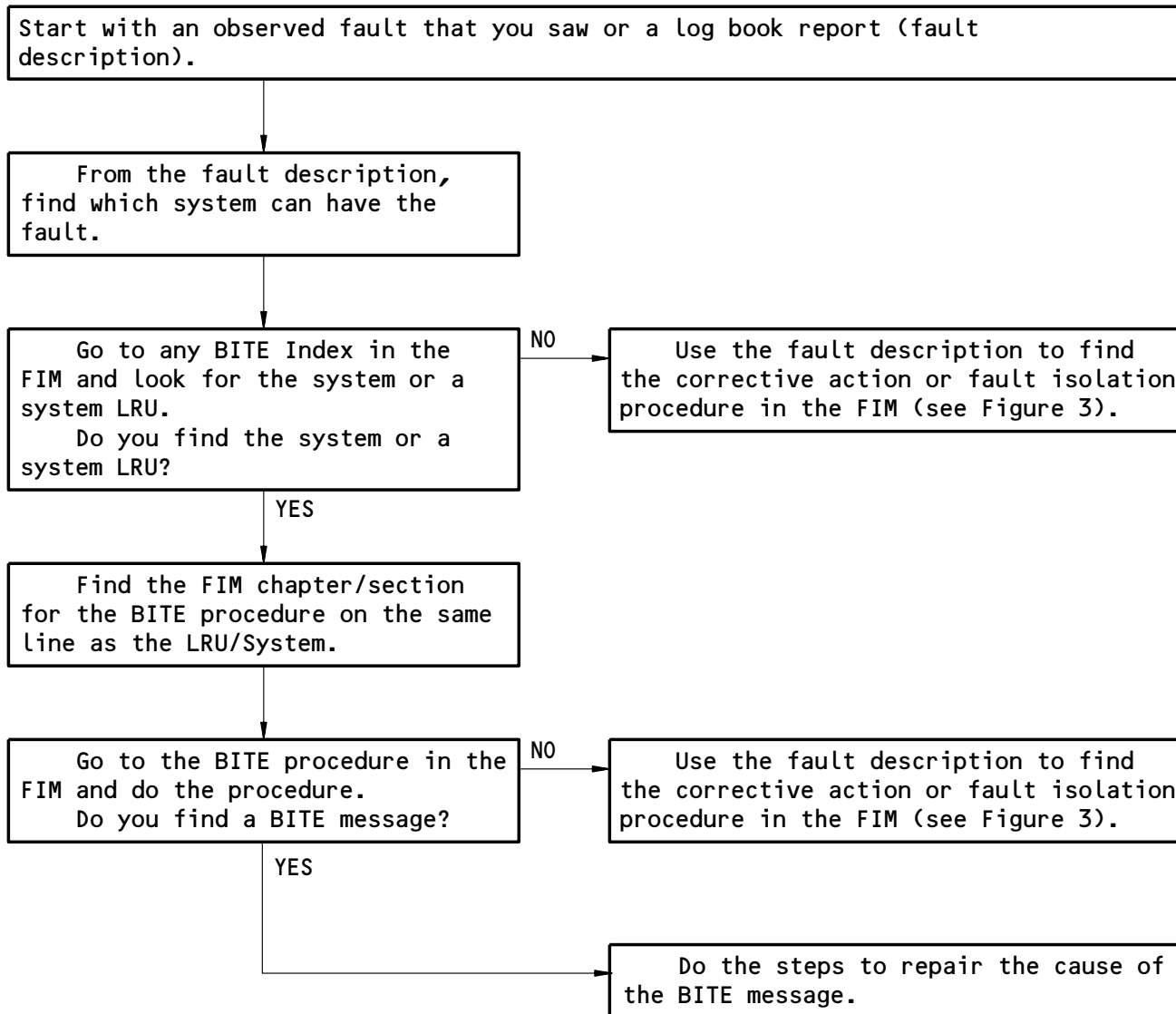
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How to Get Fault Information from BITE  
Figure 2

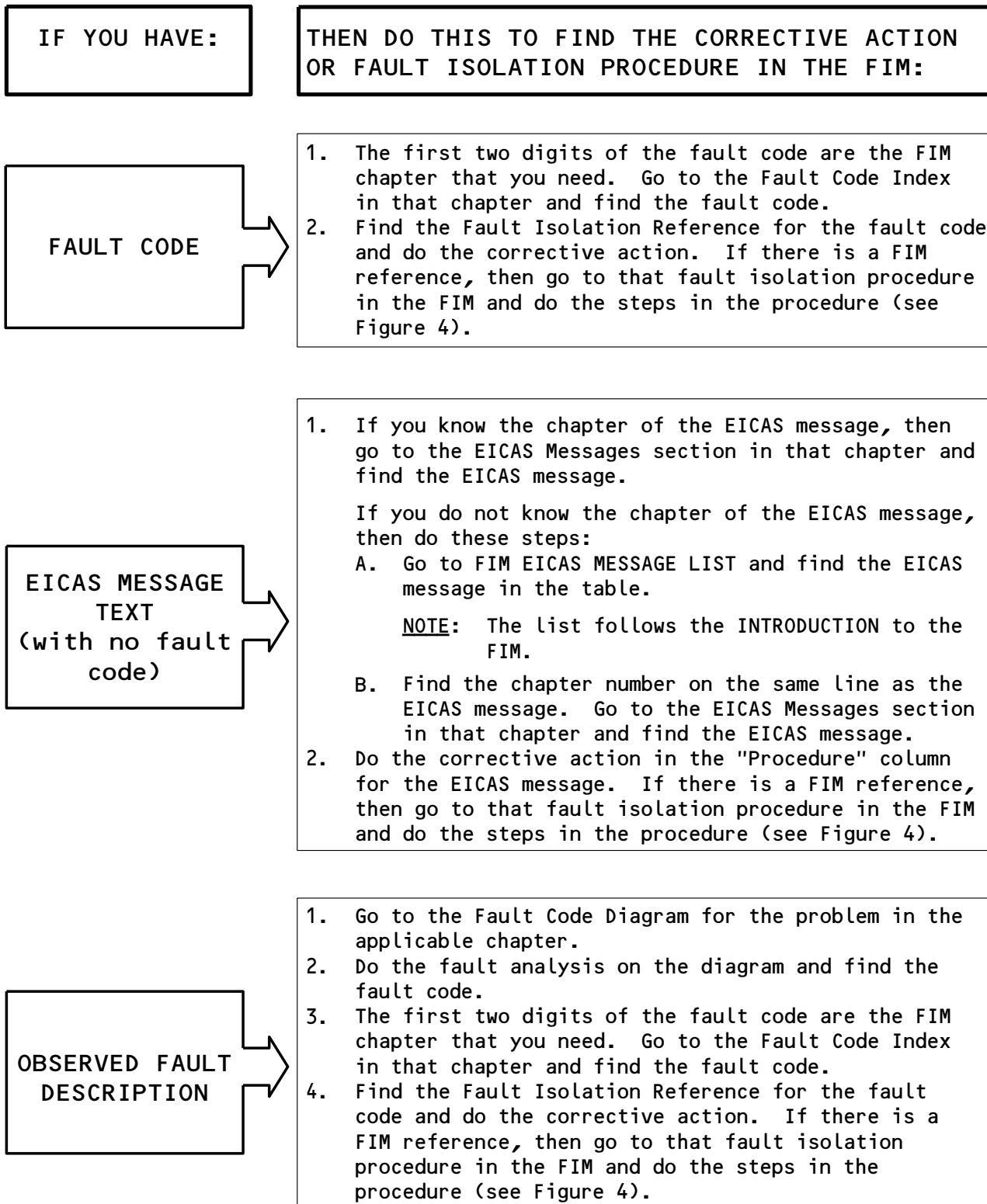
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How to Find the Corrective Action or Fault Isolation Procedure in the FIM

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

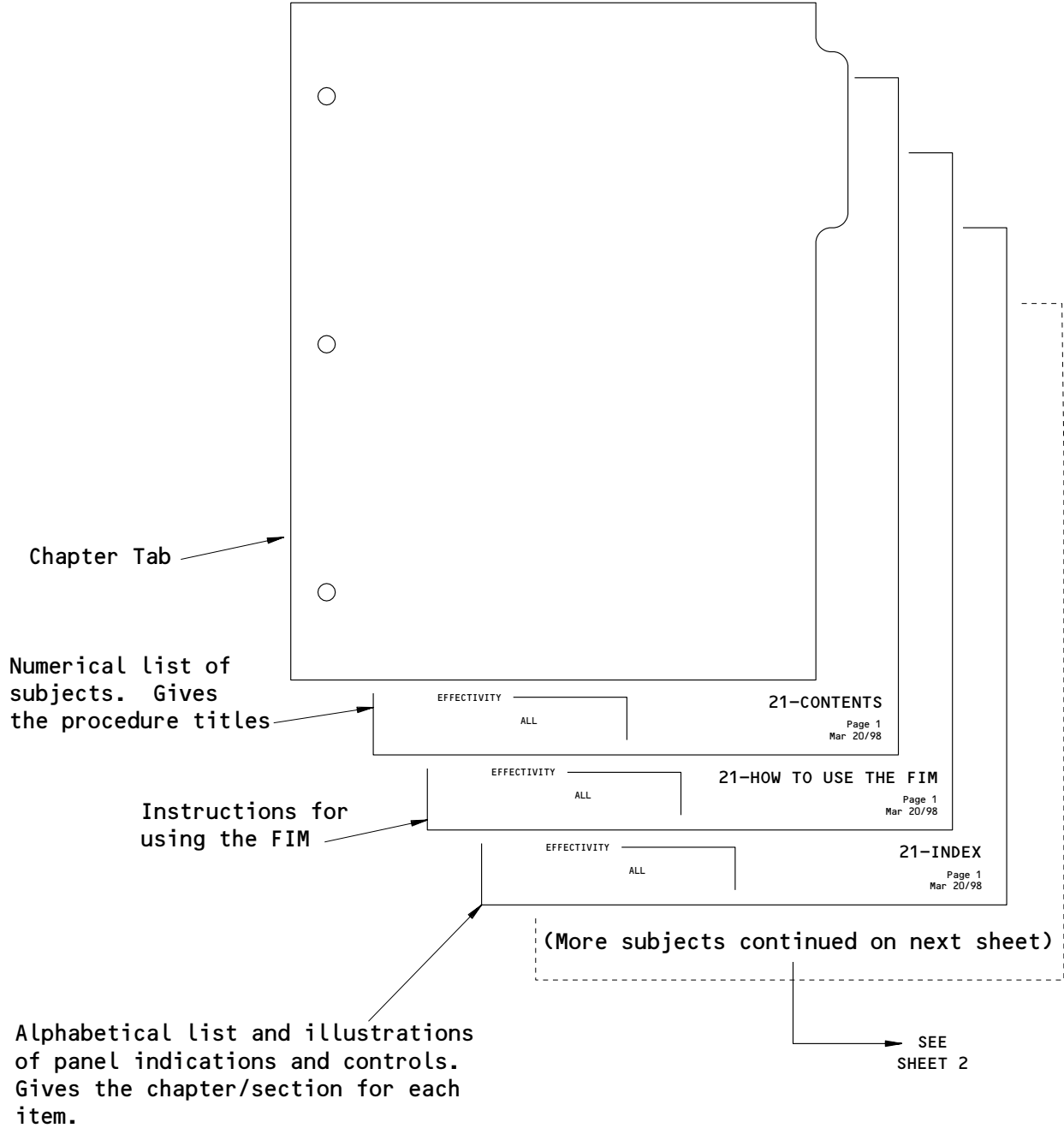
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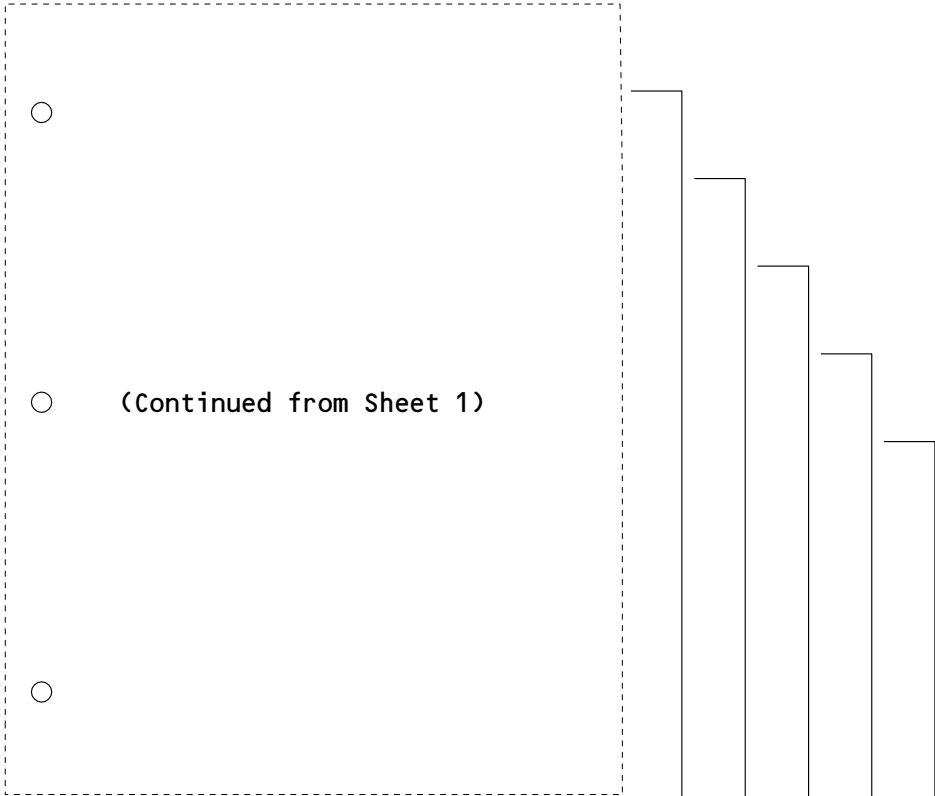
01

Page 4  
Sep 20/98



Subjects in Each FIM Chapter  
Figure 5 (Sheet 1)

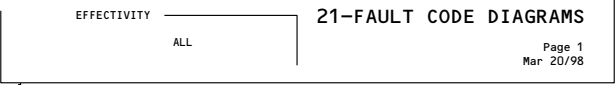
|  |  |
|--|--|
| <p>EFFECTIVITY</p> <p align="center">ALL</p> | <p align="center"><b>31-HOW TO USE THE FIM</b></p> <p align="right">01</p> <p align="right">Page 5<br/>Sep 20/98</p> |
|--|--|



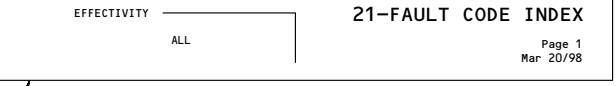
Alphabetical list of the EICAS messages. Gives the procedure to repair the cause of the message or a reference to a fault isolation procedure.



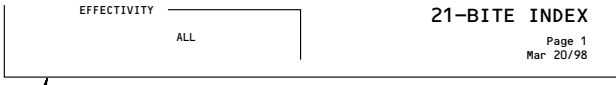
Failure analysis diagrams for the airplane systems to find the correct fault code for the fault.



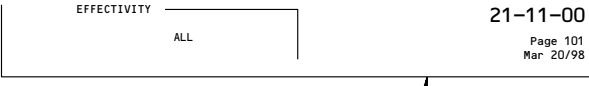
Numerical list of fault codes. Gives the procedure to repair the cause of the fault or a reference to a fault isolation procedure.



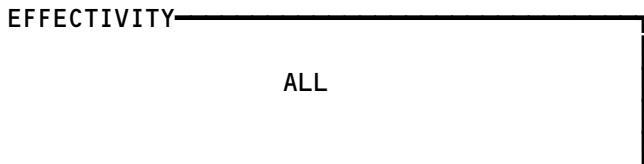
Alphabetical list of all the LRUs/systems that have BITE. Gives the chapter/section for the BITE procedure.



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



Subjects in Each FIM Chapter  
Figure 5 (Sheet 2)



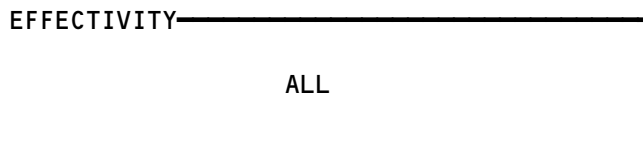
# 31-HOW TO USE THE FIM

**BOEING**  
757  
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| <u>TITLE</u>                         | <u>CHAP/SEC</u> |
|--------------------------------------|-----------------|
| ▶ ACARS .....                        | 2322            |
| ALARM BELL .....                     | 3151            |
| BEEPER .....                         | 3151            |
| CLOCK .....                          | 3125            |
| CLOCK SWITCH .....                   | 3125            |
| CONFIGURATION WARNING LIGHT .....    | 3151            |
| DISPLAY BRIGHTNESS CONTROL .....     | 3151            |
| EICAS DISPLAY .....                  | 3141            |
| EICAS STATUS/MAINT                   |                 |
| MESSAGES .....                       | 3141            |
| ENGINE DISPLAY SELECTOR .....        | 3141            |
| FLIGHT RECORDER .....                | 3131            |
| ▶ ACMS/AIDS .....                    | 3135            |
| ▶ DATA MANAGEMENT ENTRY              |                 |
| PANEL (DMEP) .....                   | 3131            |
| ▶ INTERACTIVE DISPLAY                |                 |
| UNIT (IDU) .....                     | 3131            |
| ▶ PRINTER .....                      | 3135            |
| GROUND PROXIMITY OVERRIDE SWITCH ..  | 3151            |
| MANUAL THRUST SET KNOB .....         | 3141            |
| MASTER CAUTION LIGHT .....           | 3151            |
| MASTER WARNING LIGHT .....           | 3151            |
| MAXIMUM INDICATOR RESET SWITCH ..... | 3141            |
| SIREN .....                          | 3151            |
| SPEEDBRAKE LANDING                   |                 |
| CONFIGURATION WARNING .....          | 3151            |
| STATUS DISPLAY SELECTOR .....        | 3141            |
| ▶ WAILER .....                       | 3151            |

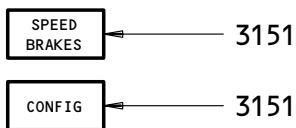
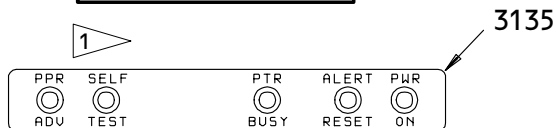
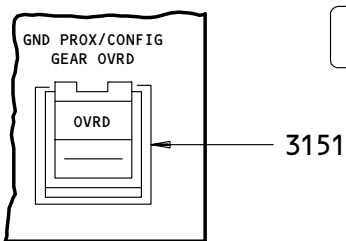
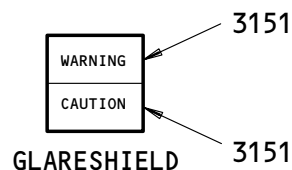
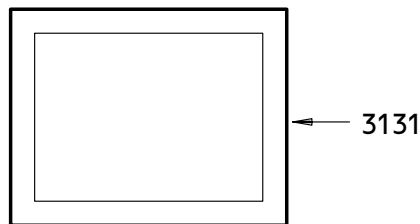
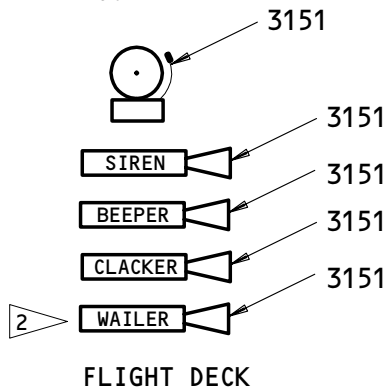
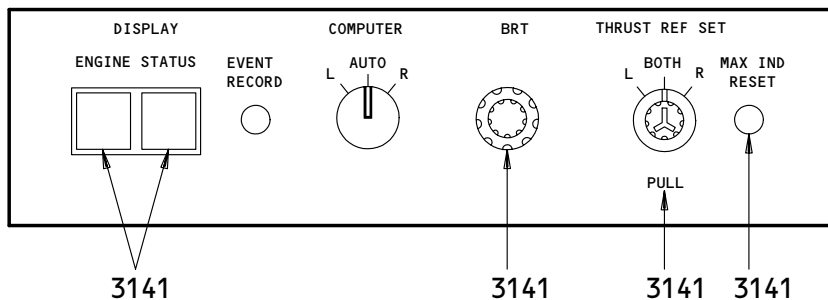
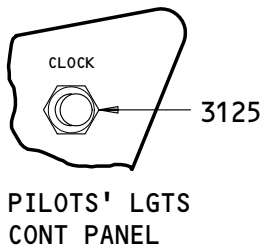
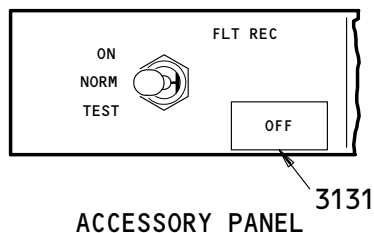
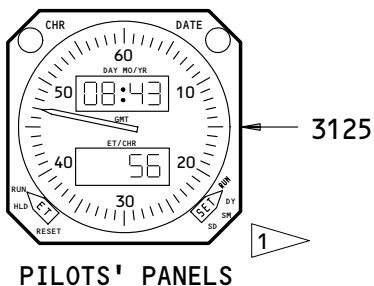
▶ IF INSTALLED

INDICATING/RECORDING SYSTEMS - INDEX  
Figure 1 (Sheet 1)

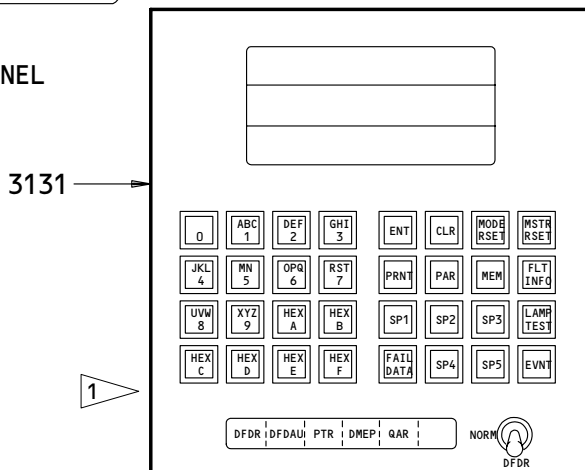


**31-INDEX**

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PILOTS' CENTER PANEL



- 1 AS INSTALLED
- 2 IF INSTALLED

INDICATING/RECORDING SYSTEMS - INDEX  
Figure 1 (Sheet 2)

|             |     |
|-------------|-----|
| EFFECTIVITY | ALL |
|-------------|-----|

**31-INDEX**

INDICATING/RECORDING – EICAS MESSAGE LIST

1. General

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

EFFECTIVITY

ALL

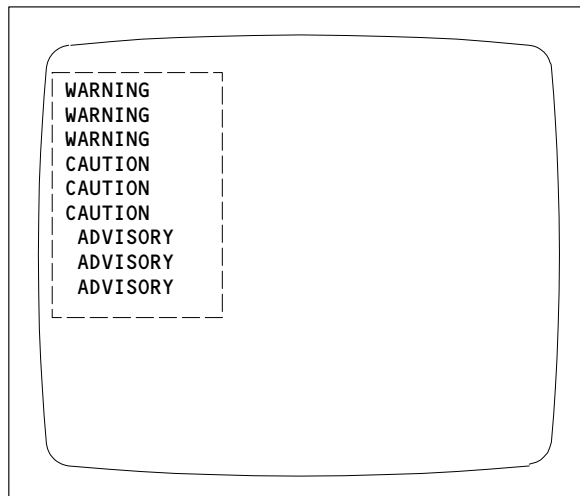
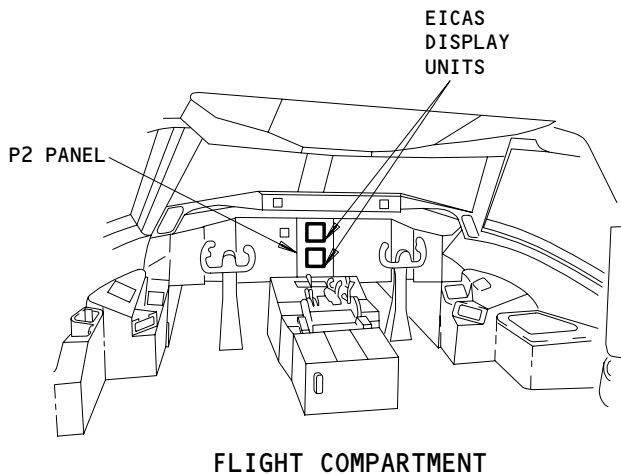
## 31-EICAS MESSAGES

01

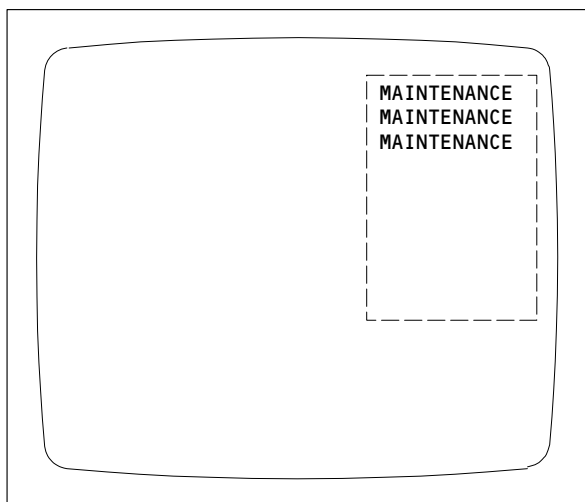
Page 1  
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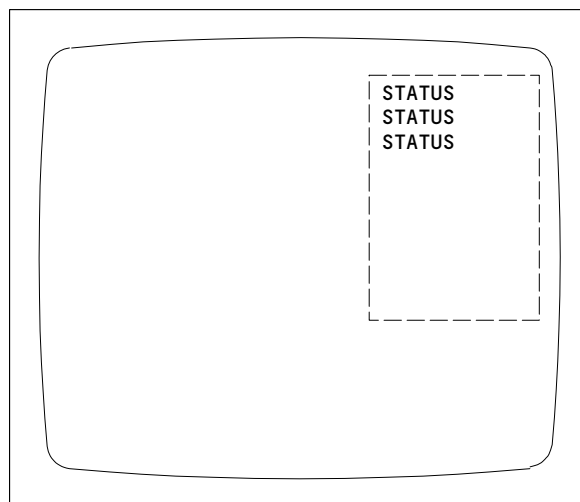
**BOEING**  
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ENGINE PRIMARY PAGE OR COMPACTED PAGE  
(TOP DISPLAY UNIT)



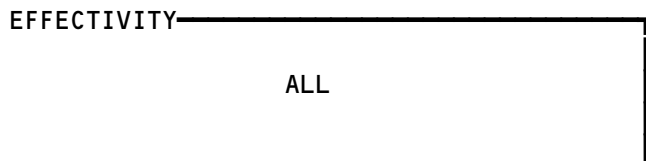
ECS/MSG PAGE  
(BOTTOM DISPLAY UNIT)



STATUS PAGE  
(BOTTOM DISPLAY UNIT)

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

EICAS Message Locations  
Figure 1



# 31-EICAS MESSAGES



**BOEING**  
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| EICAS MESSAGE LIST |       |  |
|--------------------|-------|--|
| EICAS MESSAGE      | LEVEL | PROCEDURE  |
| EICAS BITE         | M     | FIM 31-41-00/101, Fig. 103   |
| EICAS CONT PNL     | C     | FIM 31-41-00/101, Fig. 106   |
| EICAS DISAGREE     | S     | FIM 31-41-00/101, Fig. 103   |
| EICAS DISPLAY      | C     | Remove the top (bottom) display unit (AMM 31-41-01/401). Clean the inlet screen and install the display unit. If the message stays, replace the display unit (AMM 31-41-01/401).                       |
| EICAS SOFTWARE     | S     | Make sure the part number of the installed software is correct (AMM 31-41-00/201). Reinstall software (AMM 31-41-02/201).  |
| FLAPS              | A     | FIM 31-51-00/101, Fig. 108   |
| FLT DATA ACQ       | S,M   | FIM 31-31-00/101, Fig. 105   |
| FLT DATA REC       | S,M   | FIM 31-31-00/101, Fig. 105   |
| GEAR NOT DOWN      | A     | FIM 31-51-00/101, Fig. 106   |
| (L,R) EICAS CMPTR  | S     | FIM 31-41-00/101, Fig. 103   |
| PARKING BRAKE      | A     | FIM 31-51-00/101, Fig. 110   |
| PARKING BRAKE      | C     | Go to 32-EICAS MESSAGES  |
| SPEEDBRAKES EXT    | B     | Replace the landing configuration warning module, M983 (AMM 31-51-03/401). If the message stays, do the procedure "Control System Electronics Units EICAS Message Shown" (FIM 27-09-00/101, Fig. 103). |
| SPOILERS           | A     | FIM 31-51-00/101, Fig. 109   |
| SPOILERS           | C,S,M | Go to 27-EICAS MESSAGES  |
| STABILIZER         | A     | FIM 31-51-00/101, Fig. 107   |

EFFECTIVITY

ALL

## 31-EICAS MESSAGES

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| EICAS MESSAGE LIST |       |   |
|--------------------|-------|---|
| EICAS MESSAGE      | LEVEL | PROCEDURE   |
| WARN ELEX          | S,M   | Push the WEU BITE Module RESET switch if a PSU failure indicator shows yellow.<br>If the message stays, open and close the applicable circuit breaker on the P11 panel, WARN ELEX A (11J33) or B (11B18).<br>Push the WEU BITE Module RESET switch on the PSU that shows the yellow fault indicator (PSU A, M616, or PSU B, M621).<br>If the message stays, replace the same PSU (AMM 31-51-04/401).<br>If the problem continues, do the procedure "EICAS Message WARN ELEX Shown" (FIM 31-51-00/101, Fig. 105) |

EFFECTIVITY \_\_\_\_\_

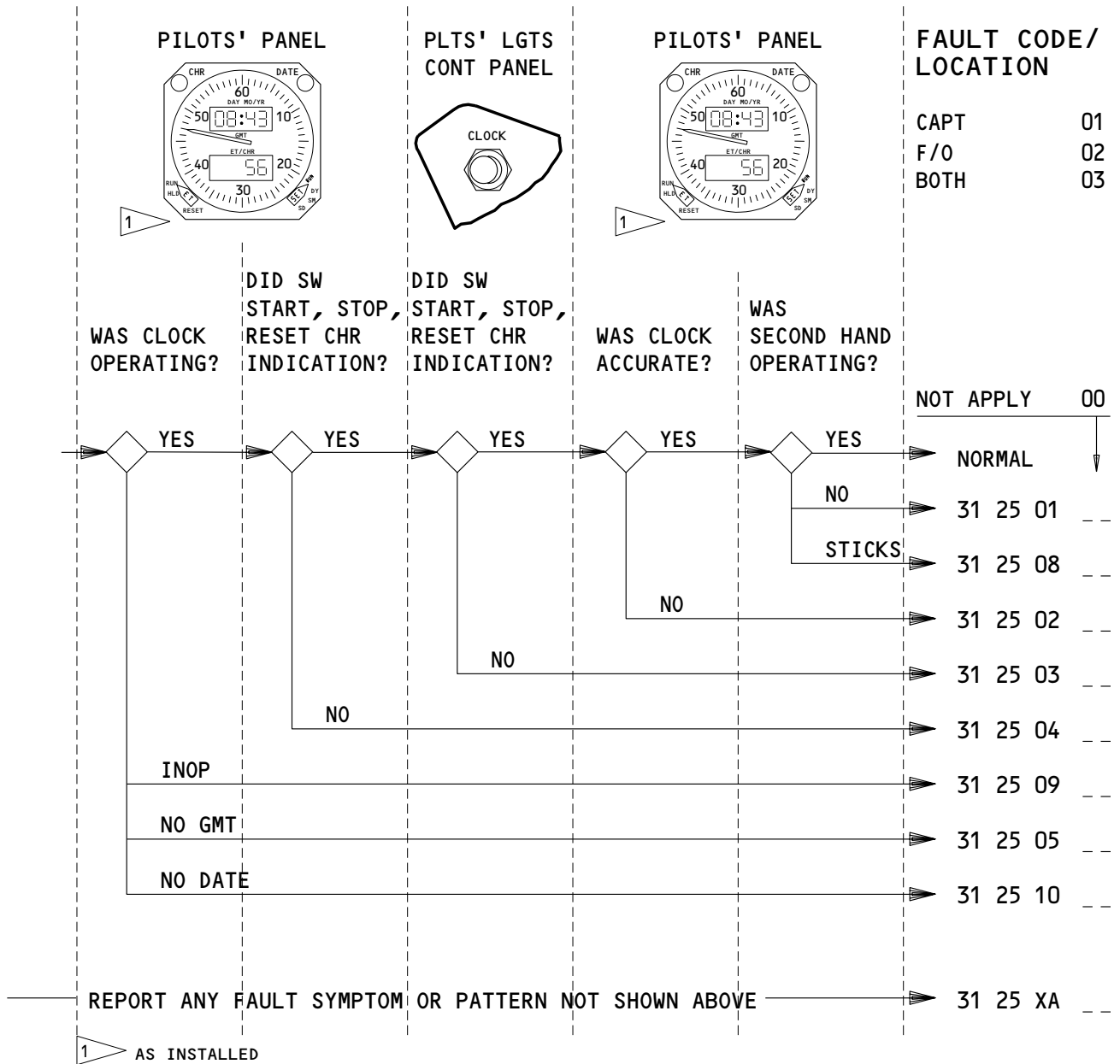
ALL

## 31-EICAS MESSAGES

# BOEING

## 757

### FAULT ISOLATION/MAINT MANUAL



#### APPLICABLE CIRCUIT BREAKERS AS INSTALLED

|     |                   |
|-----|-------------------|
| 6G2 | L CLOCK TIME BASE |
| 6G3 | R CLOCK TIME BASE |

|       |                      |
|-------|----------------------|
| 11B17 | CLOCK IND LEFT       |
| 11J9  | CLOCK IND (L, LEFT)  |
| 11J35 | CLOCK IND (RIGHT, R) |

#### CLOCK - FAULT CODES

EFFECTIVITY

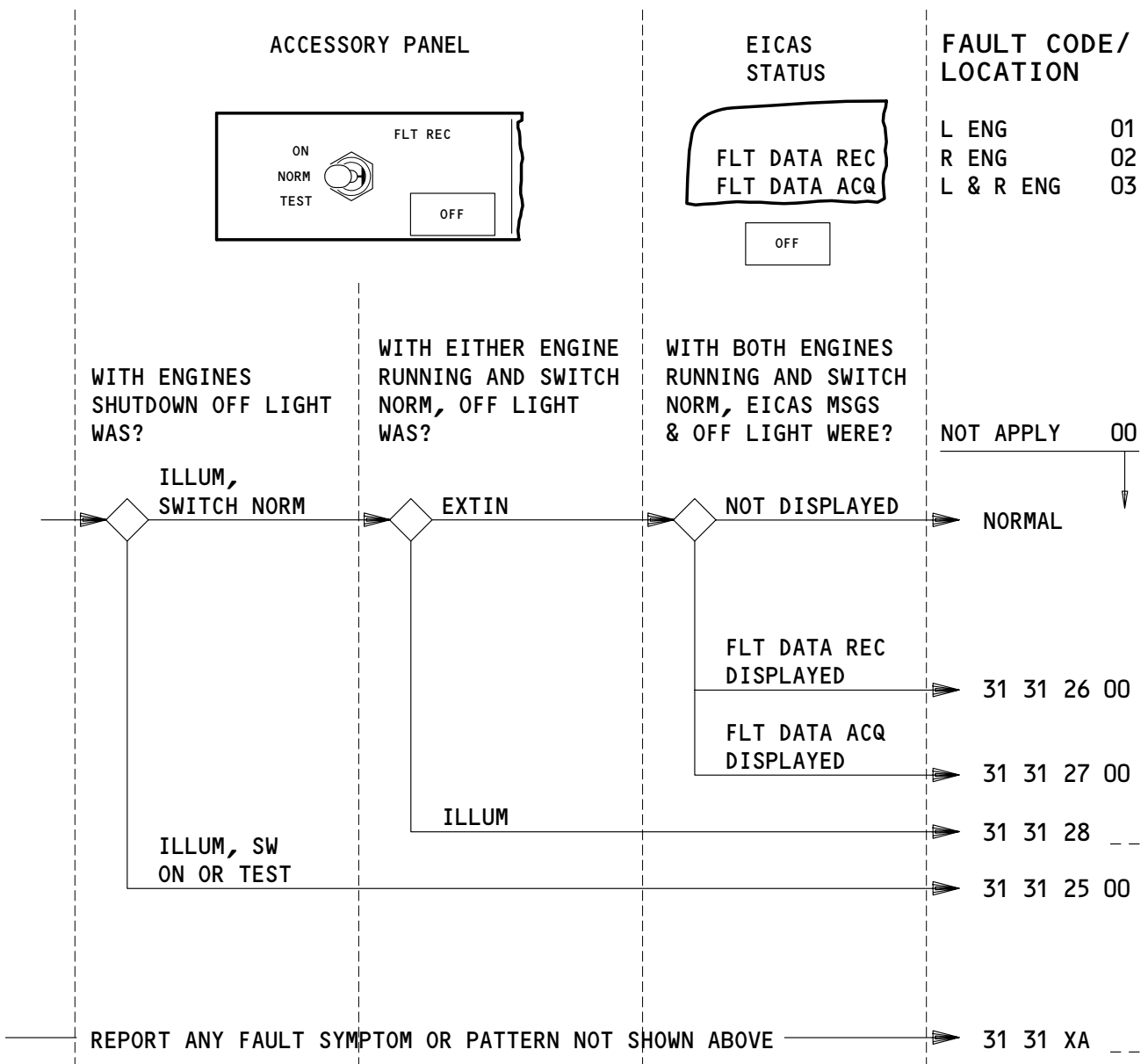
ALL

## 31-FAULT CODE DIAGRAM

02

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**BOEING**  
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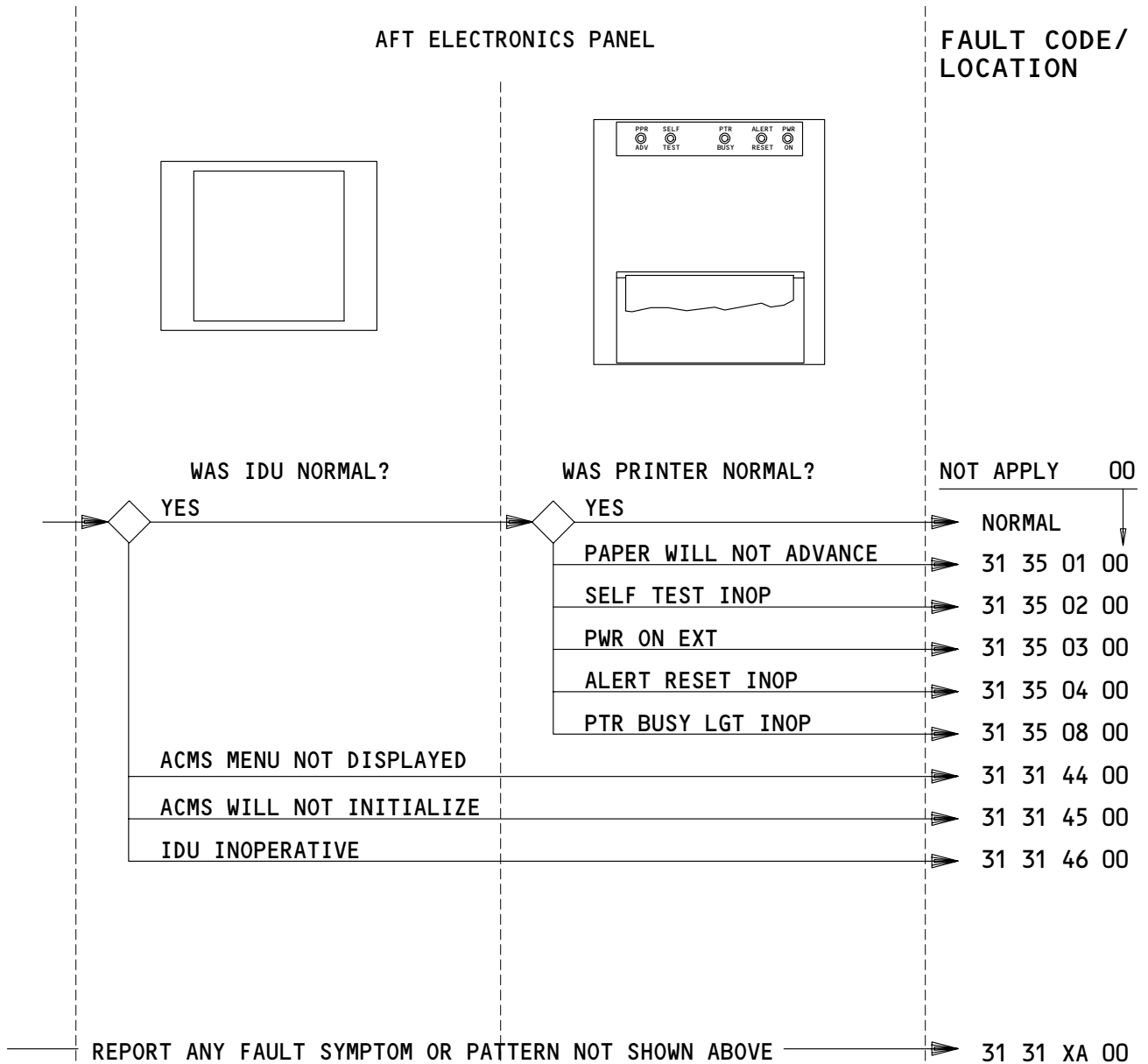
APPLICABLE CIRCUIT BREAKERS

|      |                    |
|------|--------------------|
| 11J7 | FLIGHT RECORDER AC |
| 11J8 | FLIGHT RECORDER DC |

FLIGHT RECORDER/ACMS – FAULT CODES

EFFECTIVITY  
AIRPLANES WITH IDU

# 31-FAULT CODE DIAGRAM



APPLICABLE CIRCUIT BREAKERS

11J34 ACMS

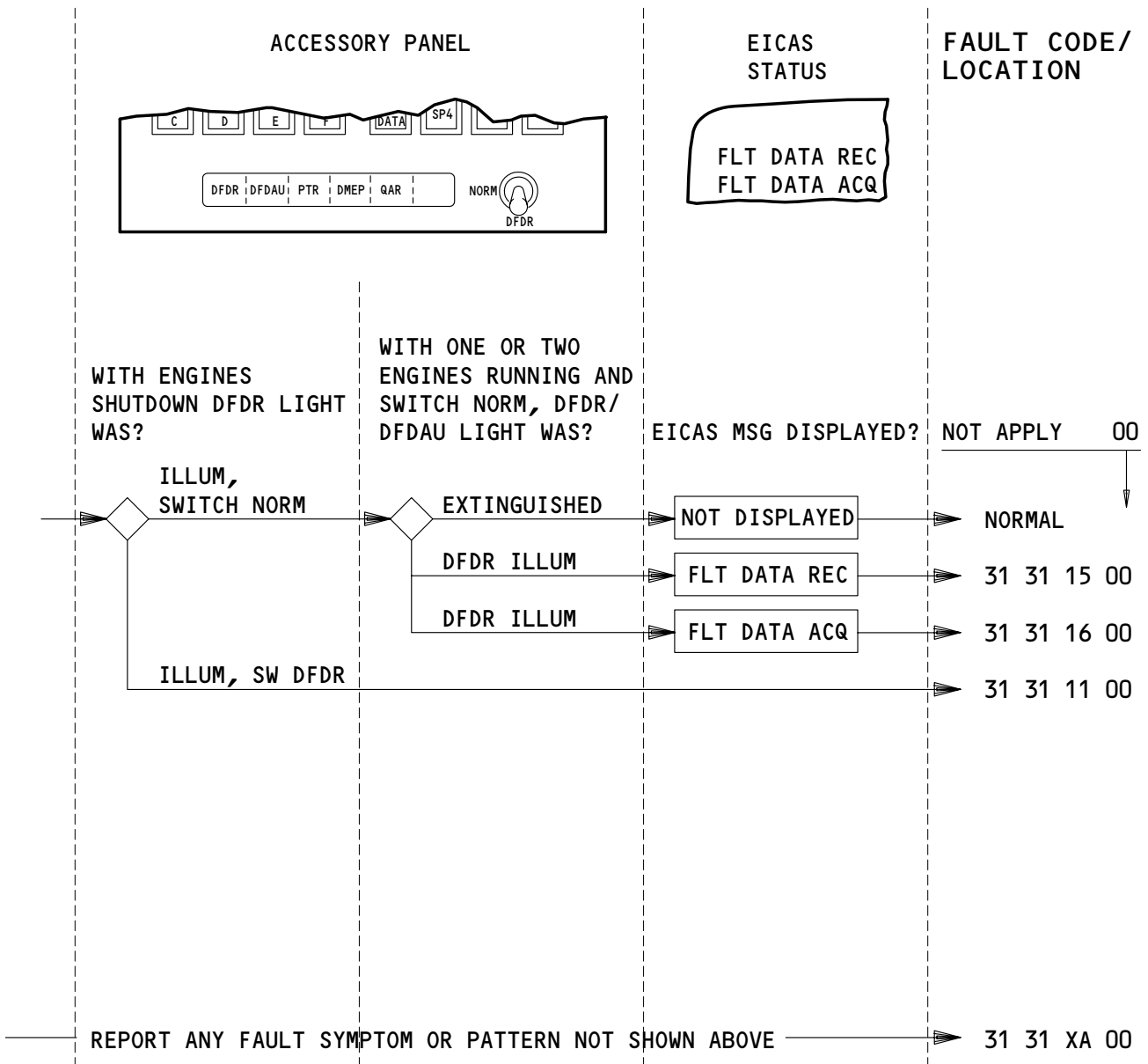
11S1 AIDS SENSOR

ACMS - FAULT CODES

EFFECTIVITY  
AIRPLANES WITH IDU

# 31-FAULT CODE DIAGRAM

**BOEING**  
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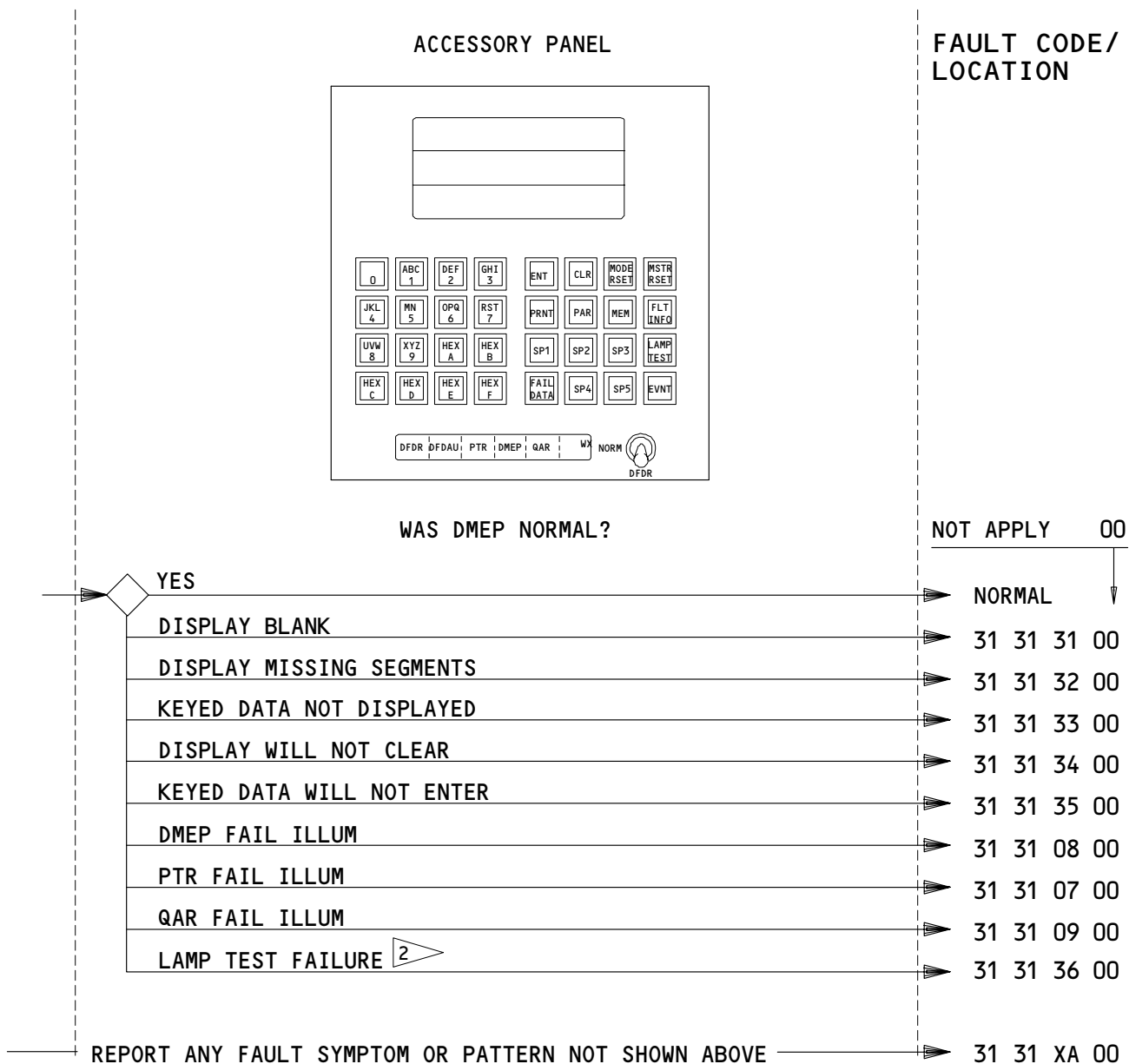
APPLICABLE CIRCUIT BREAKERS

|      |                    |
|------|--------------------|
| 11J7 | FLIGHT RECORDER AC |
| 11J8 | FLIGHT RECORDER DC |

**FLIGHT RECORDER – FAULT CODES**

EFFECTIVITY  
AIRPLANES WITH DMEP

# 31-FAULT CODE DIAGRAM



- <sup>1</sup> FAULT LGTS MAY BE TESTED WITH INDICATOR LIGHT TEST SWITCH.
- <sup>2</sup> IT MAY BE NECESSARY TO DEPRESS LAMP TEST LGT TWICE FOR COMPLETE TEST.

**APPLICABLE CIRCUIT BREAKERS**

11P1 L IND LGTS 1

**FLIGHT RECORDER/ACMS – FAULT CODES**

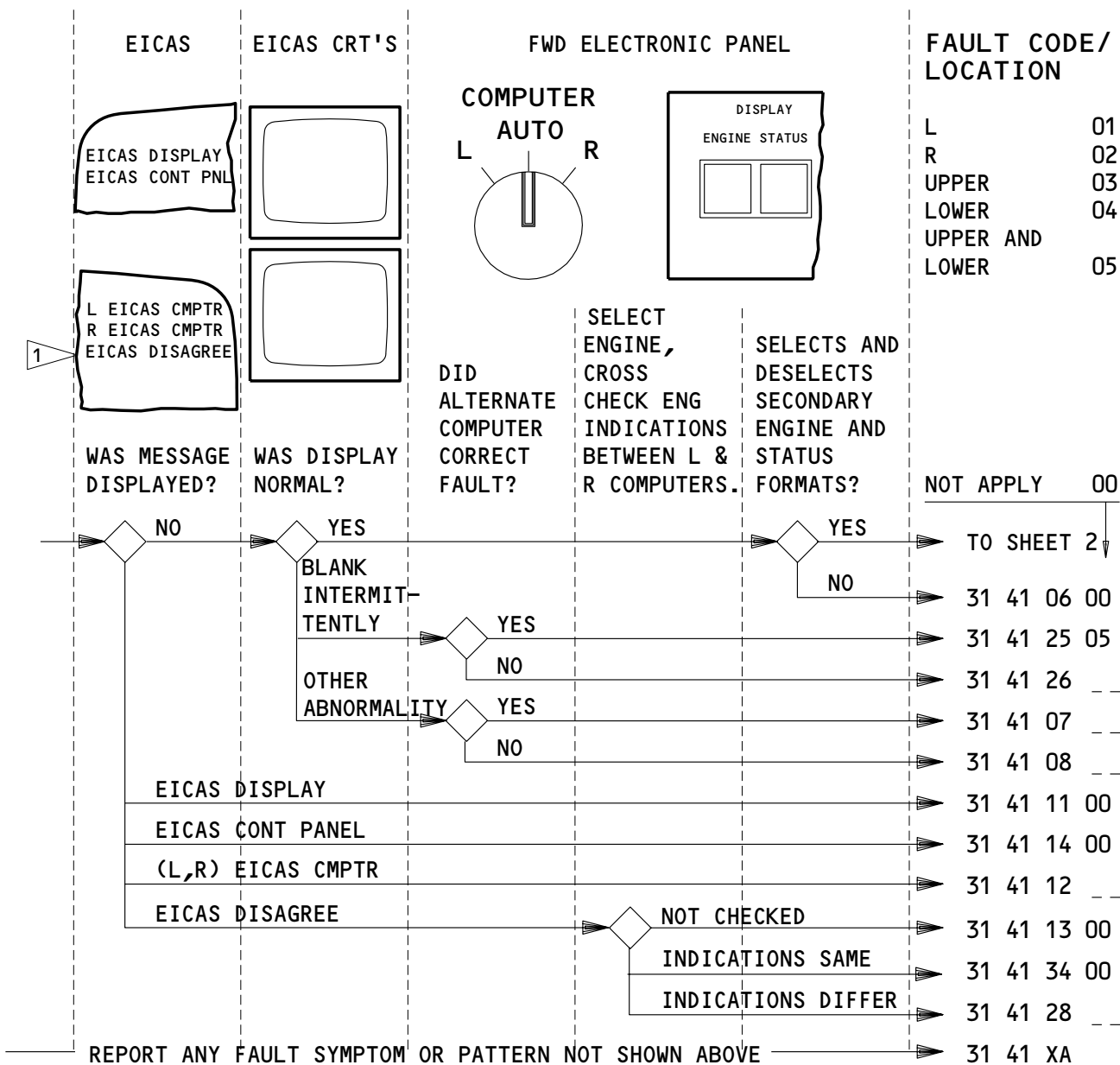
EFFECTIVITY  
AIRPLANES WITH DMEP

# 31-FAULT CODE DIAGRAM



# BOEING

## 757 FAULT ISOLATION/MAINT MANUAL



1 PRESSING EVENT BUTTON WITH EICAS DISAGREE MSG, MAY AID MAINTENANCE IN FAULT ISOLATION.

### APPLICABLE CIRCUIT BREAKERS AS INSTALLED

|       |                        |       |                      |
|-------|------------------------|-------|----------------------|
| 11J2  | EICAS CMPTR (L, LEFT)  | 11J30 | EICAS LOWER IND      |
| 11J3  | EICAS UPPER IND        | 11J31 | EICAS DSPL SW        |
| 11J3  | EICAS UPPER DISPLAY    | 11J31 | EICAS DISPLAY SW     |
| 11J29 | EICAS CMPTR (R, RIGHT) | 11J32 | EICAS PILOTS DSP     |
|       |                        | 11J32 | EICAS DISPLAY SELECT |

### EICAS (SHEET 1) - FAULT CODES

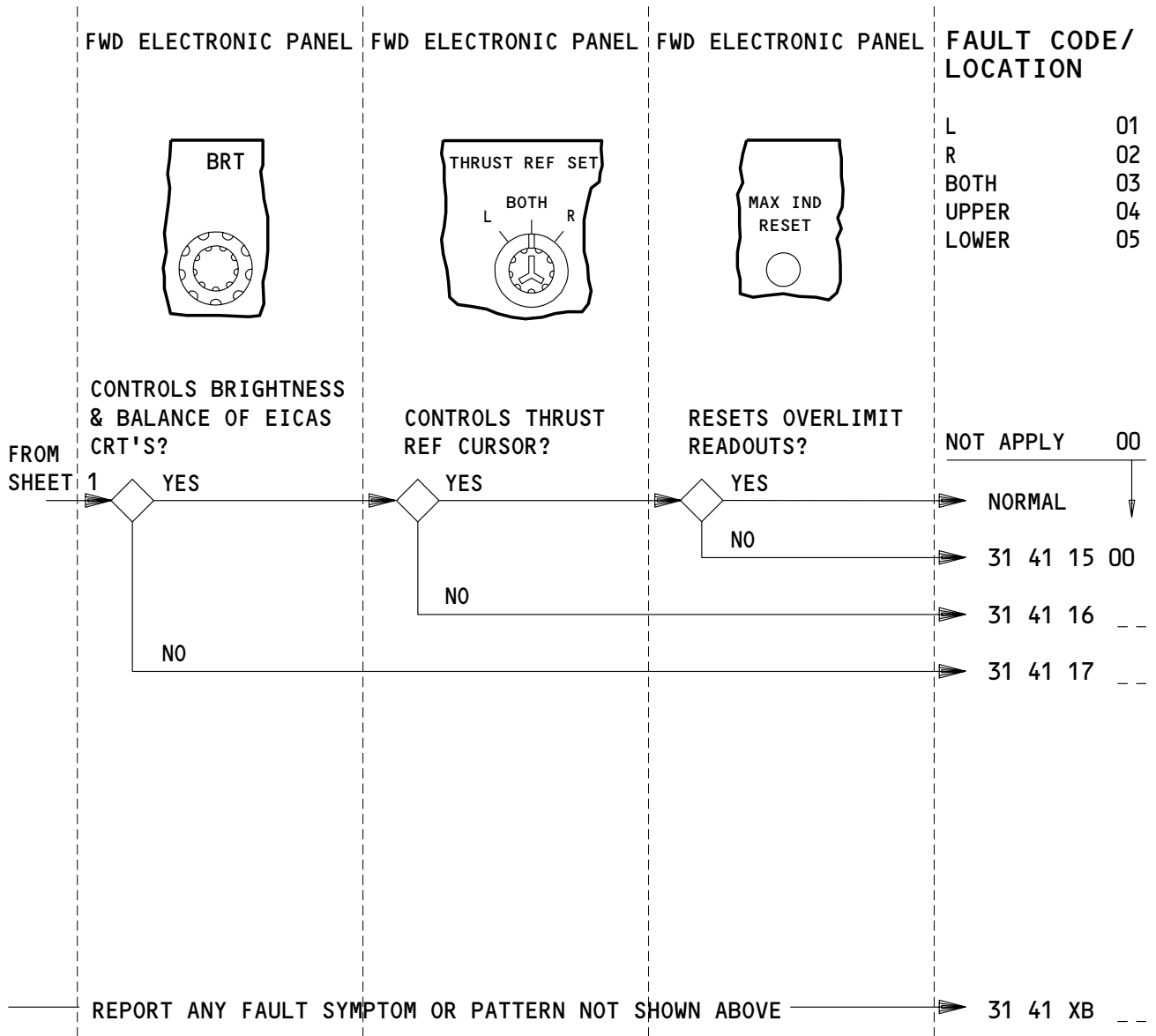
EFFECTIVITY

ALL

## 31-FAULT CODE DIAGRAM

02

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APPLICABLE CIRCUIT BREAKERS  
NONE

EICAS (SHEET 2) - FAULT CODES

EFFECTIVITY

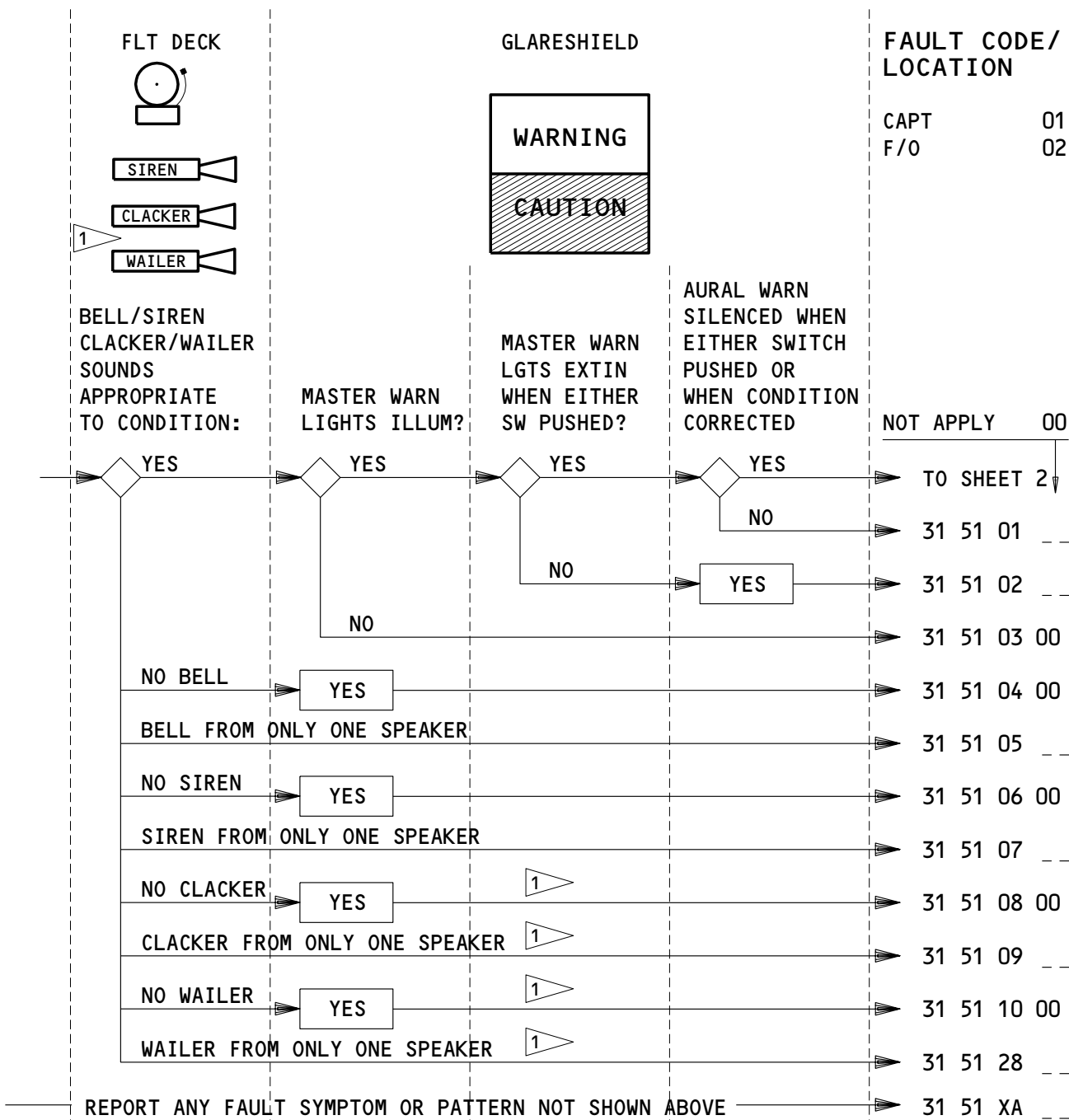
ALL

# 31-FAULT CODE DIAGRAM

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FAULT ISOLATION/MAINT MANUAL



1 AS INSTALLED

APPLICABLE CIRCUIT BREAKERS AS INSTALLED

|                                 |                                  |
|---------------------------------|----------------------------------|
| 11B16 AURAL WARN SPKR (L, LEFT) | 11H35 AURAL WARN SPKR (R, RIGHT) |
| 11B18 WARN ELEX B               | 11J33 WARN ELEX A                |

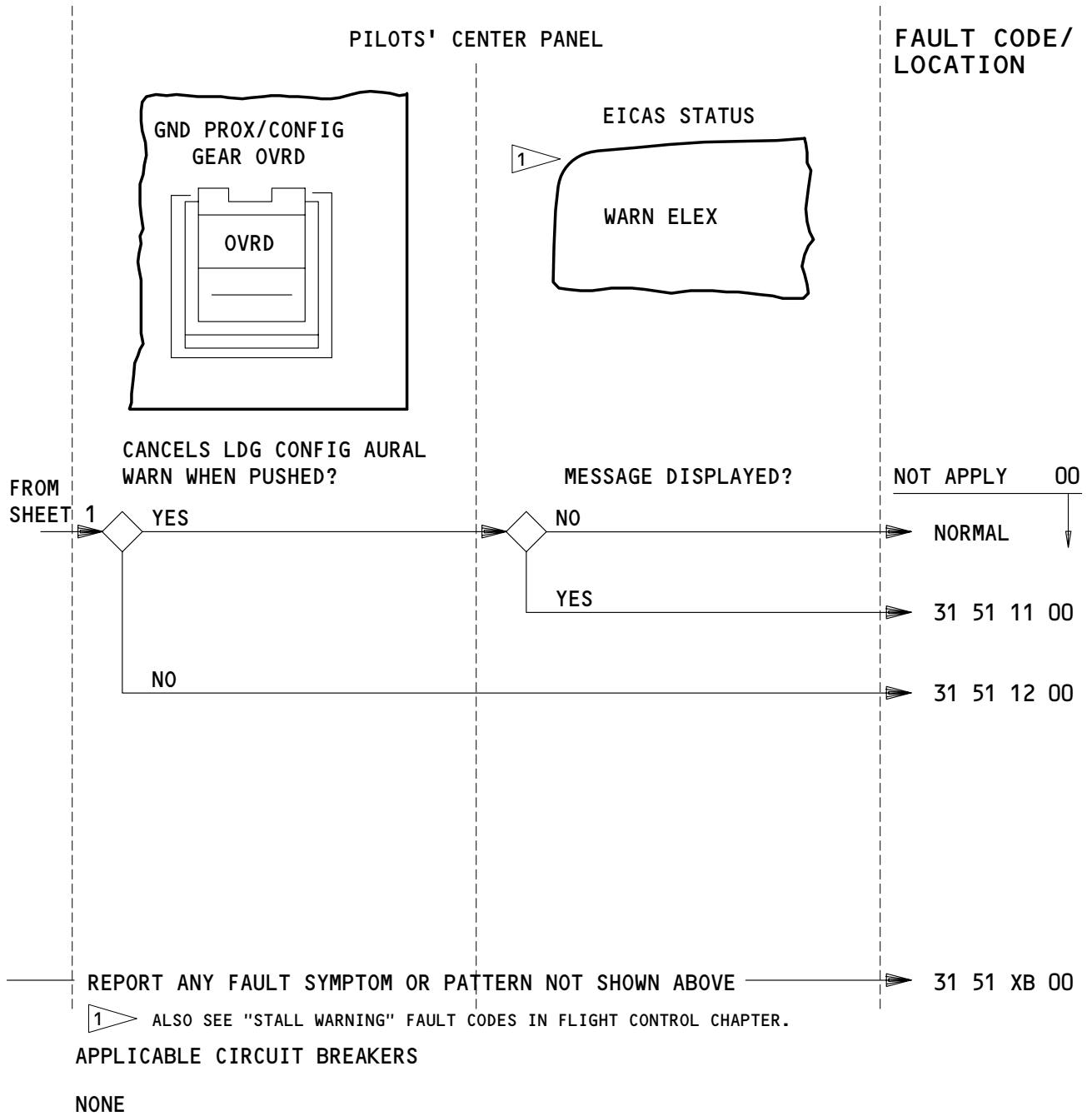
**CAUTION & WARNING SYSTEM (WARNING-SHEET 1) - FAULT CODES**

EFFECTIVITY

ALL

# 31-FAULT CODE DIAGRAM

ED9544



**CAUTION & WARNING SYSTEM (WARNING SHEET 2) - FAULT CODES**

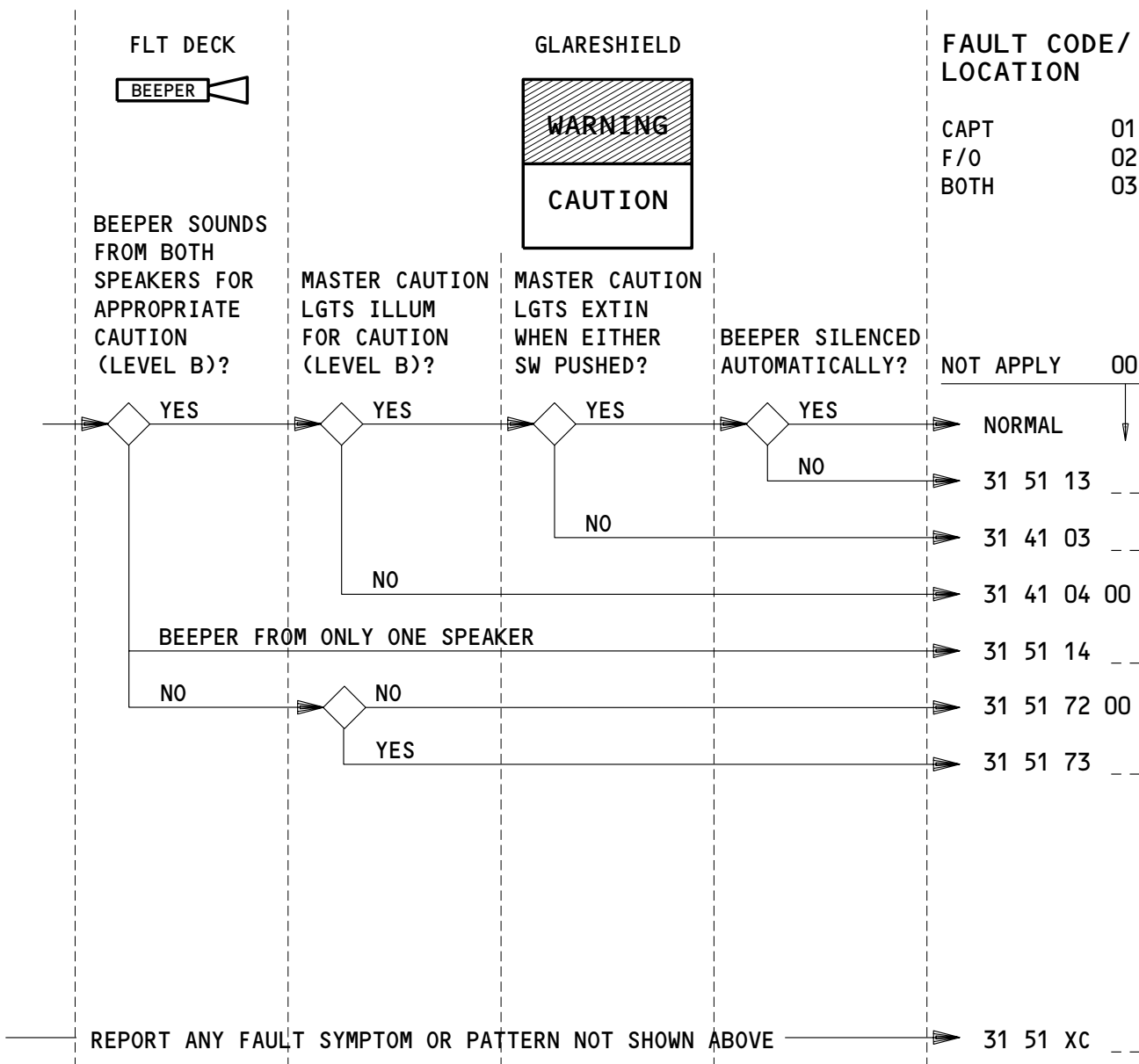
EFFECTIVITY

ALL

# 31-FAULT CODE DIAGRAM

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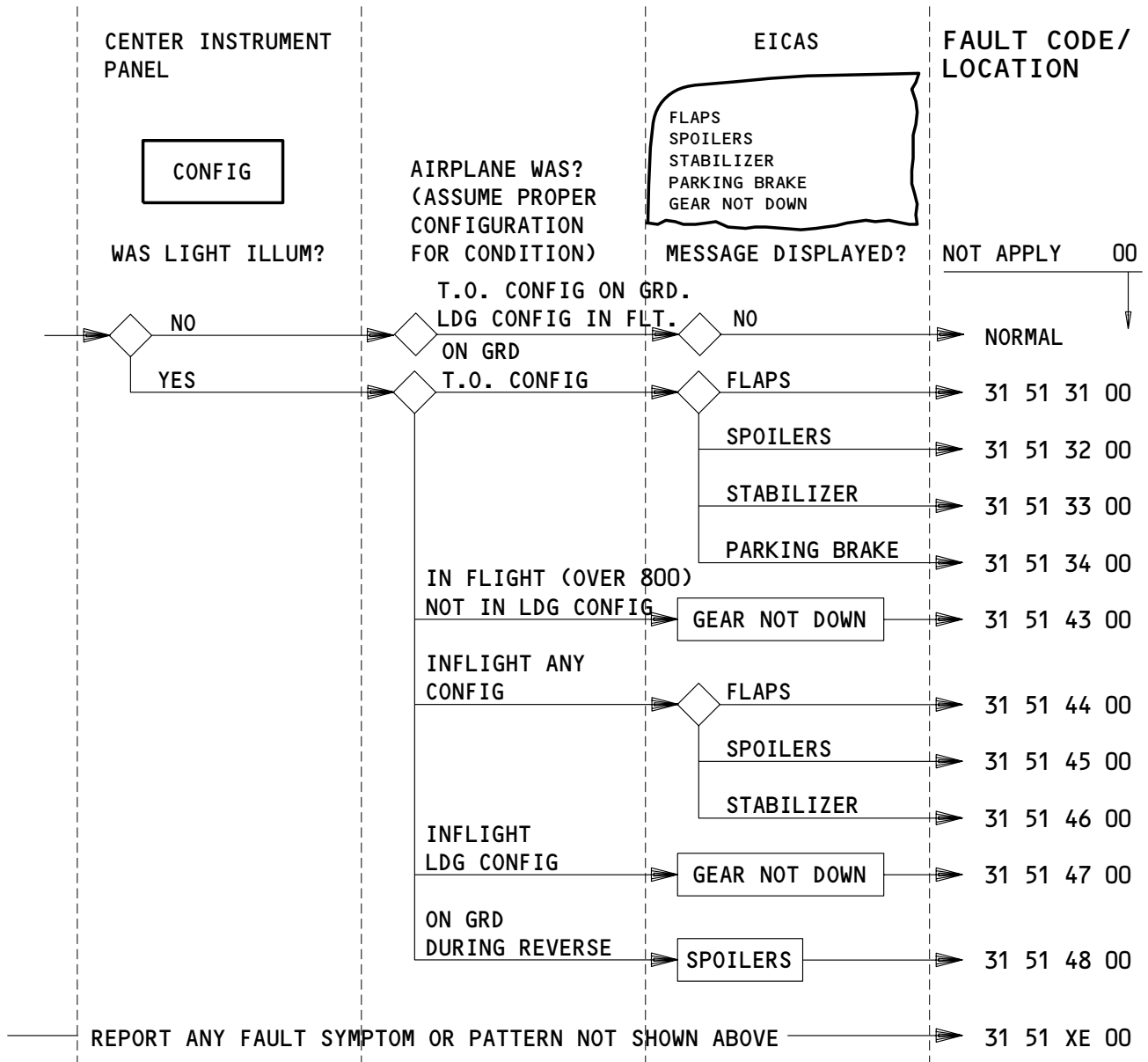


**CAUTION & WARNING SYSTEM (CAUTION) - FAULT CODES**

EFFECTIVITY

ALL

# 31-FAULT CODE DIAGRAM



APPLICABLE CIRCUIT BREAKERS AS INSTALLED

|       |                           |       |                            |
|-------|---------------------------|-------|----------------------------|
| 11A32 | (INDICATOR, IND) LIGHTS 1 | 11F5  | RADIO ALTM (L, LEFT)       |
| 11A33 | (INDICATOR, IND) LIGHTS 2 | 11H35 | AURAL WARN SPKR (R, RIGHT) |
| 11B16 | AURAL WARN SPKR (L, LEFT) | 11J33 | WARN ELEX A                |
| 11B18 | WARN ELEX B               |       |                            |

TAKEOFF/LANDING CONFIGURATION WARNING – FAULT CODES

EFFECTIVITY

ALL

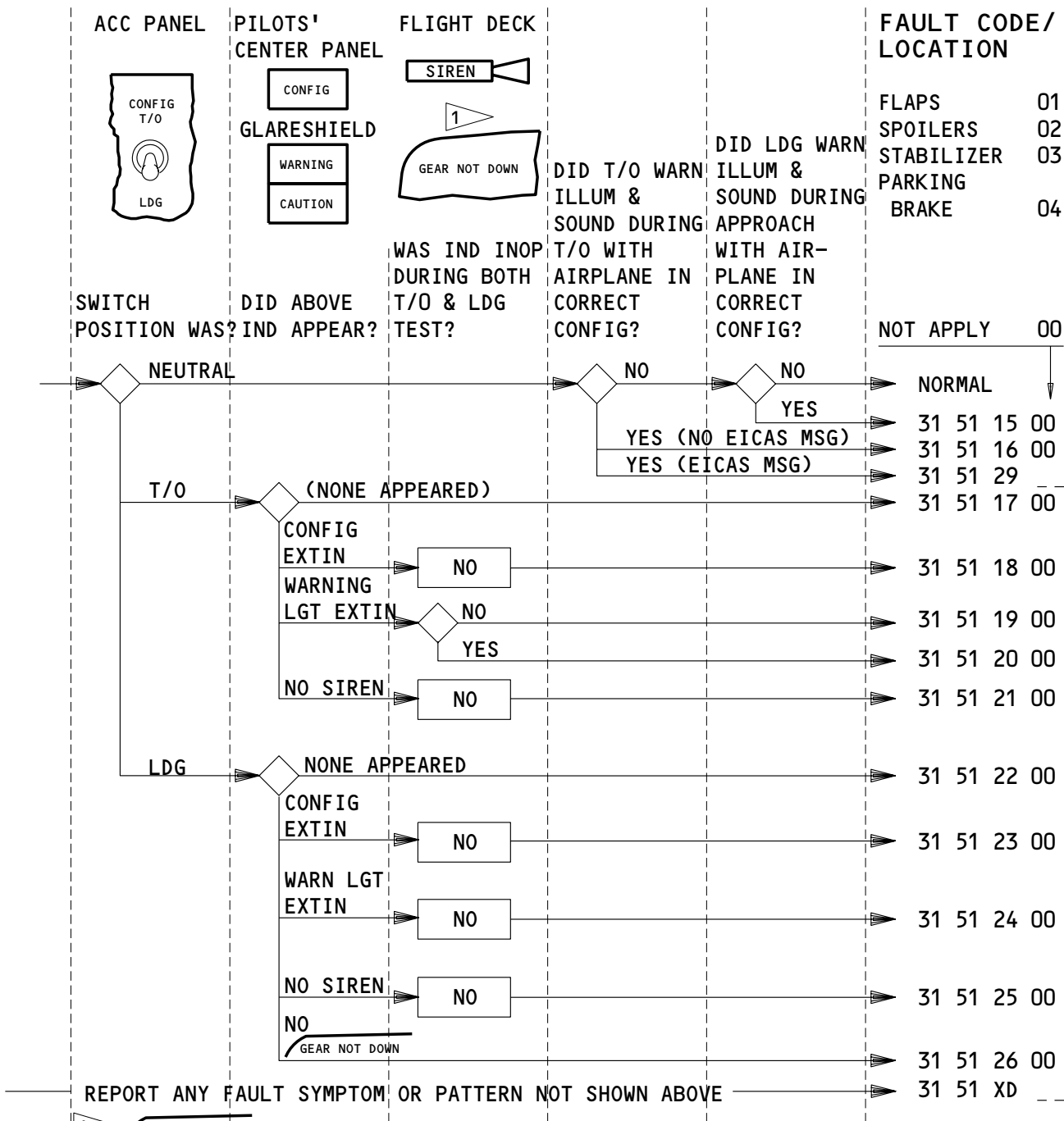
# 31-FAULT CODE DIAGRAM

02

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# BOEING

## 757 FAULT ISOLATION/MAINT MANUAL



1 GEAR NOT DOWN APPEARS ON LDG TEST ONLY

| APPLICABLE CIRCUIT BREAKERS AS INSTALLED |                                  |
|--|----------------------------------|
| 11A32 (INDICATOR, IND) LIGHTS 1          | 11B18 WARN ELEX B                |
| 11A33 (INDICATOR, IND) LIGHTS 2          | 11F5 RADIO ALTM (L, LEFT)        |
| 11B16 AURAL WARN SPKR (L, LEFT)          | 11H35 AURAL WARN SPKR (R, RIGHT) |
|  | 11J33 WARN ELEX A                |

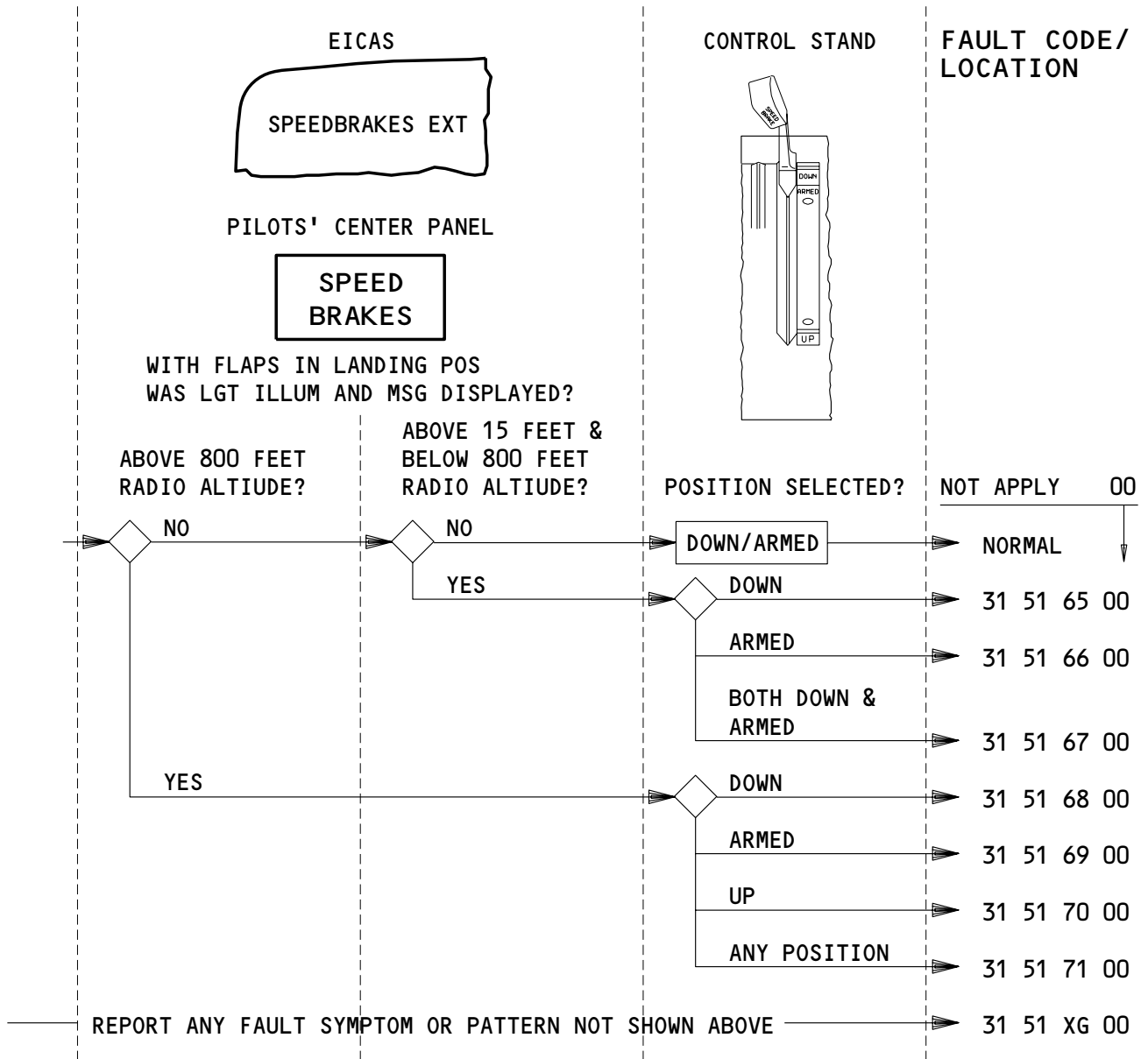
### CONFIG WARN & T/O / LDG TEST - FAULT CODES

EFFECTIVITY

|     |
|-----|
| ALL |
|-----|

## 31-FAULT CODE DIAGRAM

153289



APPLICABLE CIRCUIT BREAKERS AS INSTALLED

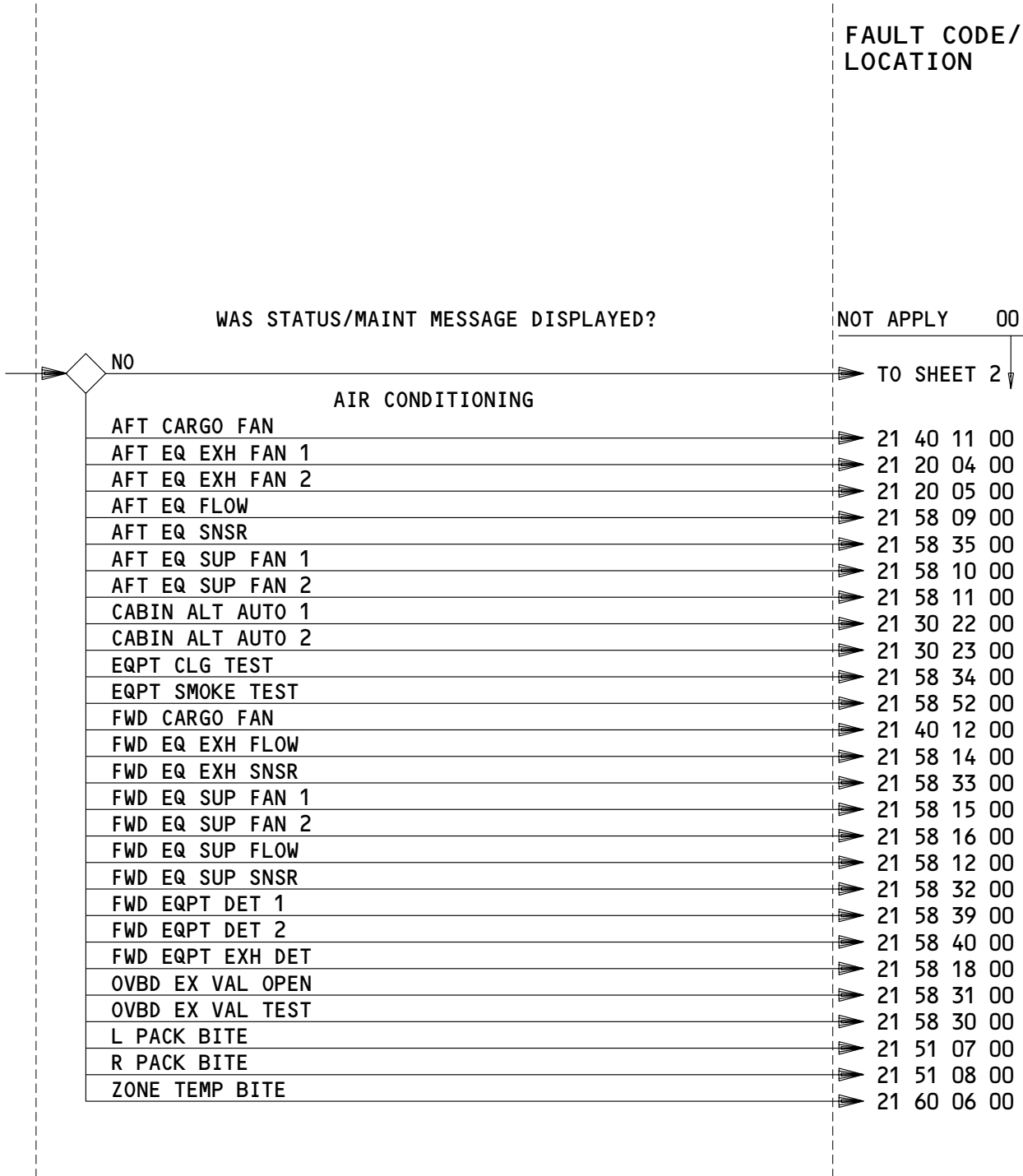
|       |                           |       |                            |
|-------|---------------------------|-------|----------------------------|
| 11A33 | (INDICATOR, IND) LIGHTS 2 | 11F5  | RADIO ALTM (L, LEFT)       |
| 11B16 | AURAL WARN SPKR (L, LEFT) | 11H35 | AURAL WARN SPKR (R, RIGHT) |
| 11B18 | WARN ELEX B               | 11J33 | WARN ELEX A                |

**SPEEDBRAKE LANDING CONFIGURATION WARNING - FAULT CODES**

|             |     |
|-------------|-----|
| EFFECTIVITY | ALL |
|-------------|-----|

**31-FAULT CODE DIAGRAM**





EICAS STATUS/MAINT MESSAGES (SHEET 1) – FAULT CODES

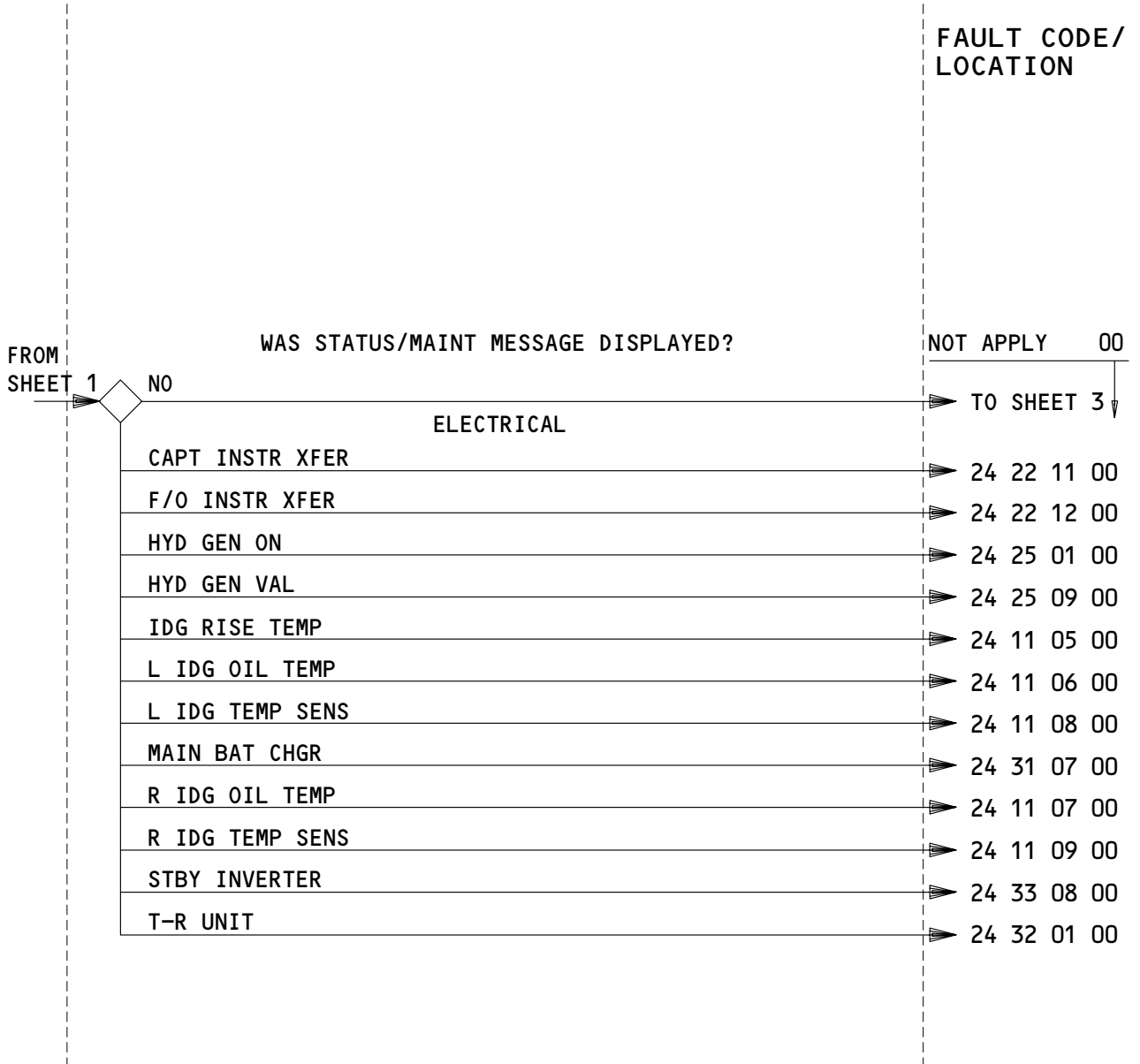
EFFECTIVITY

ALL

## 31-FAULT CODE DIAGRAM

02

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EICAS STATUS/MAINT MESSAGES (SHEET 2) - FAULT CODES

EFFECTIVITY

|     |
|-----|
| ALL |
|-----|

## 31-FAULT CODE DIAGRAM

FROM SHEET 2



NO

WAS STATUS/MAINT MESSAGE DISPLAYED?

FAULT CODE/  
LOCATION

NOT APPLY 00

TO SHEET 4

FIRE PROTECTION

|                  |             |
|------------------|-------------|
| AFT CARGO DET 1  | 26 16 08 00 |
| AFT CARGO DET 2  | 26 16 09 00 |
| AFT DET FAN      | 26 16 02 00 |
| APU FIRE LP 1    | 26 15 06 00 |
| APU FIRE LP 2    | 26 15 07 00 |
| DUCT LEAK BITE   | 26 18 03 00 |
| DUCT LEAK LP     | 26 18 04 00 |
| FWD CARGO DET 1  | 26 16 10 00 |
| FWD CARGO DET 2  | 26 16 11 00 |
| FWD DET FAN      | 26 16 01 00 |
| L ENG FIRE LP 1  | 26 11 12 00 |
| L ENG FIRE LP 2  | 26 11 13 00 |
| L ENG OH LP 1    | 26 11 14 00 |
| L ENG OH LP 2    | 26 11 15 00 |
| L STRUT OH DET 1 | 26 12 06 00 |
| L STRUT OH DET 2 | 26 12 07 00 |
| L TURB OH DET 1  | 26 13 04 00 |
| L TURB OH DET 2  | 26 13 05 00 |
| R ENG FIRE LP 1  | 26 11 16 00 |
| R ENG FIRE LP 2  | 26 11 17 00 |
| R ENG OH LP 1    | 26 11 18 00 |
| R ENG OH LP 2    | 26 11 19 00 |
| R STRUT OH DET 1 | 26 12 08 00 |
| R STRUT OH DET 2 | 26 12 09 00 |
| R TURB OH DET 1  | 26 13 06 00 |
| R TURB OH DET 2  | 26 13 07 00 |

EICAS STATUS/MAINT MESSAGES – FAULT CODES  
(SHEET 3)

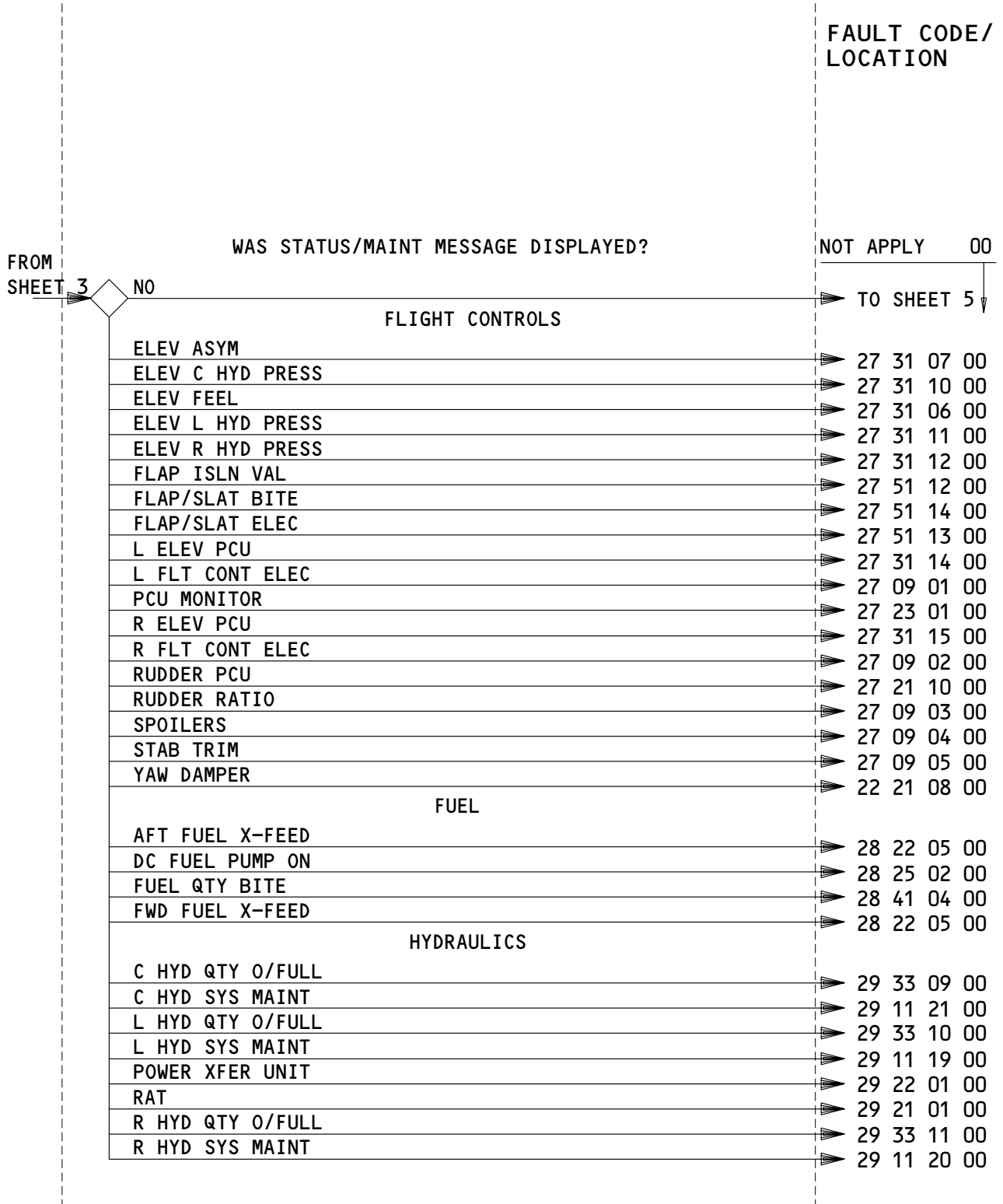
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# 31-FAULT CODE DIAGRAM

02

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EICAS STATUS/MAINT MESSAGES (SHEET 4) - FAULT CODES

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## 31-FAULT CODE DIAGRAM

01

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FROM SHEET 4



WAS STATUS/MAINT MESSAGE DISPLAYED?

FAULT CODE/  
LOCATION

NOT APPLY 00

TO SHEET 6

HYDRAULICS (CONT'D)

|                                  |             |
|----------------------------------|-------------|
| RSV BRAKE VAL                    | 29 11 22 00 |
| ICE AND RAIN PROTECTION          |             |
| CAPT PITOT HEAT                  | 30 31 04 00 |
| F/O PITOT HEAT                   | 30 31 05 00 |
| L AUX PITOT HEAT                 | 30 31 06 00 |
| L ENG PROBE HEAT                 | 30 34 02 00 |
| L ENG TAI VALVE                  | 30 21 04 00 |
| R AUX PITOT HEAT                 | 30 31 07 00 |
| R ENG PROBE HEAT                 | 30 34 03 00 |
| R ENG TAI VALVE                  | 30 21 05 00 |
| INDICATING AND RECORDING SYSTEMS |             |
| EICAS BITE                       | 31 41 18 00 |
| EICAS SOFTWARE                   | 31 41 35 00 |
| FLT DATA ACQ                     | 31 31 29 00 |
| FLT DATA REC                     | 31 31 30 00 |
| WARN ELEX                        | 31 51 27 00 |
| LANDING GEAR                     |             |
| AIR/GRD DISAGREE                 | 32 09 02 00 |
| ALL GEAR DOWN                    | 32 61 38 00 |
| ALTN ANTISKID                    | 32 42 13 00 |
| ANTISKID/AUTOBRK                 | 32 42 11 00 |
| GEAR DISAGREE                    | 32 61 32 00 |
| GEAR LEVER                       | 32 61 33 00 |
| L GEAR DOWN                      | 32 61 34 00 |
| NORM ANTISKID                    | 32 42 12 00 |
| NOSE A/G DISAGREE                | 32 09 04 00 |
| NOSE GEAR DOWN                   | 32 61 35 00 |
| NOSE GEAR LOCKED                 | 32 61 36 00 |
| PSEU BITE                        | 32 61 31 00 |
| R GEAR DOWN                      | 32 61 37 00 |

EICAS STATUS/MAINT MESSAGES – FAULT CODES  
Figure 9 (Sheet 5)

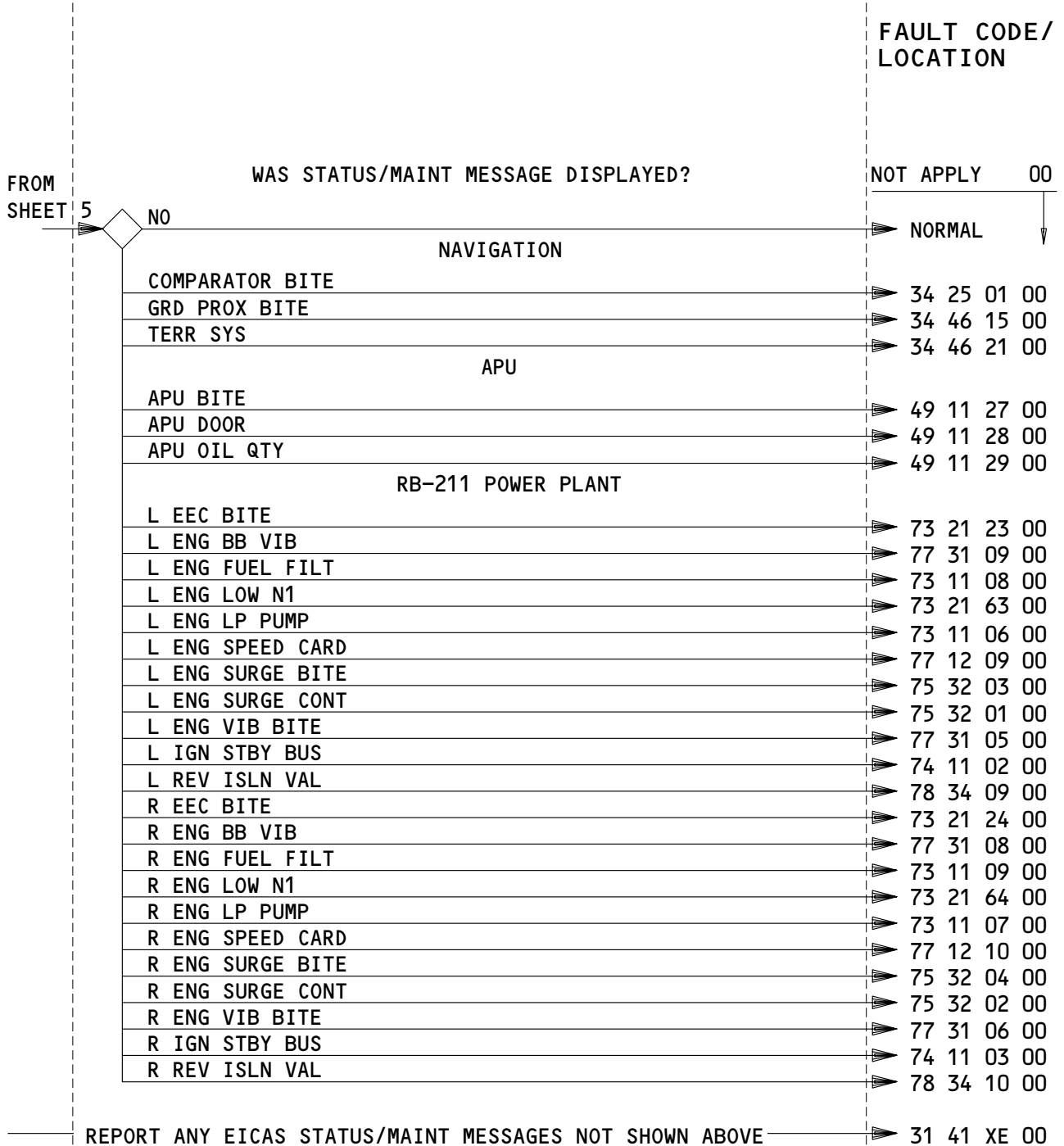
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## 31-FAULT CODE DIAGRAM

01

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EICAS STATUS/MAINT MESSAGES (SHEET 6) - FAULT CODES

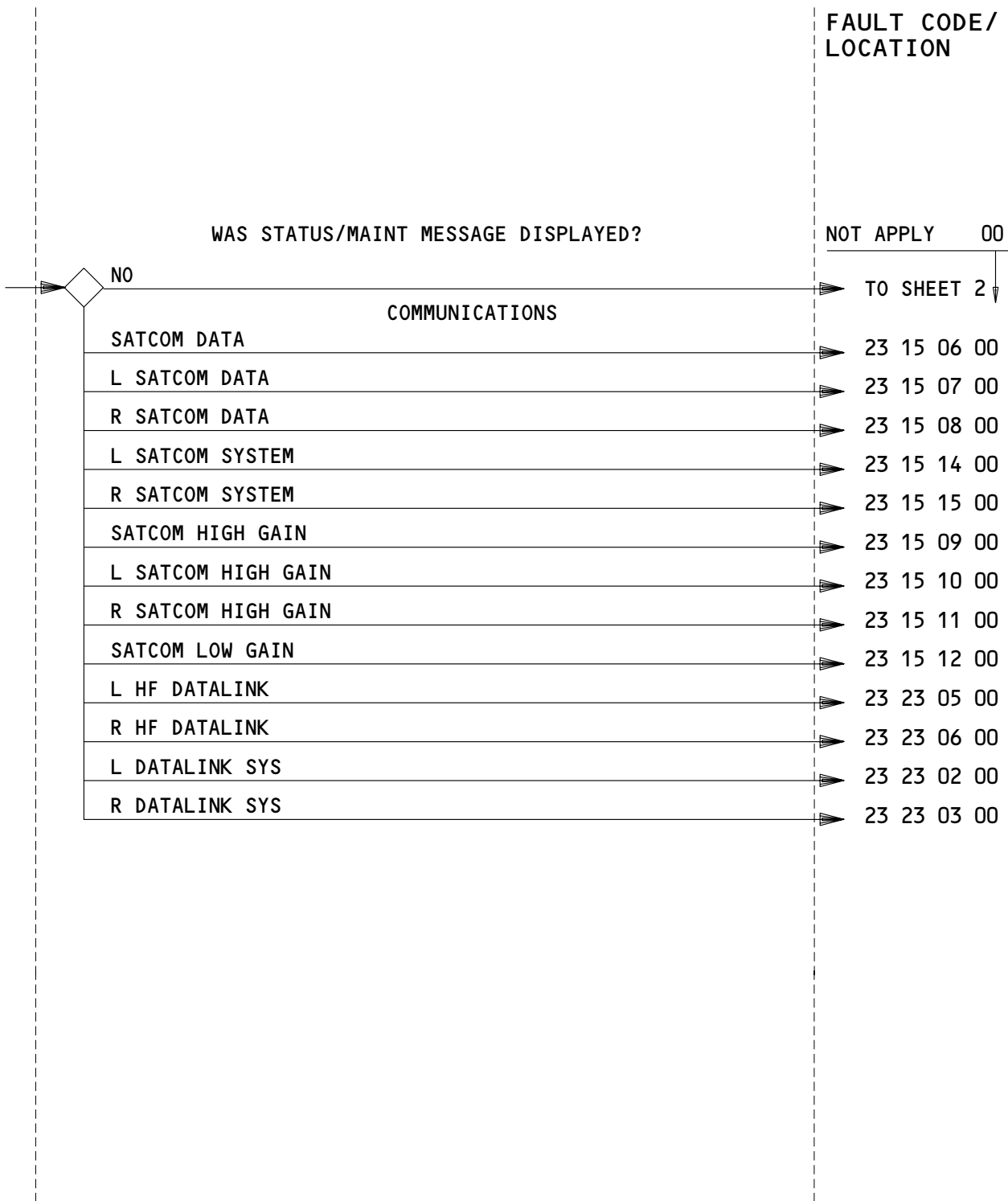
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## 31-FAULT CODE DIAGRAM

01

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EICAS STATUS/MAINT MESSAGES – FAULT CODES  
 Figure 9A

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## 31-FAULT CODE DIAGRAM

01

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| FAULT CODE  | LOG BOOK REPORT  | FAULT ISOLATION REFERENCE           |
|-------------|--|-------------------------------------|
| 31 25 XA -- | (01=Capt,02=F/O) A clock problem was encountered by the flight crew which is not covered in the fault code diagrams.                               | SSM 31-25-01                        |
| 31 31 XA -- | A problem was encountered by the flight crew which is not covered in the fault code diagrams.  | SSM 31-31-01                        |
| 31 31 XA 00 | A problem was encountered by the flight crew which is not covered in the fault code diagrams.  | SSM 31-31-01                        |
| 31 41 XA -- | (01=L,02=R,03=UPPER,04=LOWER,05=BOTH) An EICAS display problem was encountered by the flight crew which is not covered in the fault code diagrams. | SSM 31-41-01 thru SSM 31-41-07      |
| 31 41 XB -- | (01=L,02=R,03=BOTH,04=UPPER,05=LOWER) An EICAS control problem was encountered by the flight crew which is not covered in the fault code diagrams. | SSM 31-41-01 thru SSM 31-41-07      |
| 31 41 XE 00 | An EICAS status/maint msg was encountered by the flight crew which was not covered in the fault code diagram.                                      | FIM 31-41-00/101, Fig. 103, Block 1 |
| 31 51 XA -- | (01=Capt,02=F/O) A warning system (WARNING) display problem was encountered by the flight crew which is not covered in the fault code diagrams.    | SSM 31-51-01 thru SSM 31-51-07      |
| 31 51 XB 00 | Warning system problem was encountered by flight crew which is not covered in the fault code diagrams.   | SSM 31-51-01 thru SSM 31-51-07      |
| 31 51 XC -- | (01=Capt,02=F/O) A warning system (CAUTION) problem was encountered by the flight crew which is not covered in the fault code diagrams.            | SSM 31-51-01 thru SSM 31-51-07      |

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| FAULT CODE  | LOG BOOK REPORT  | FAULT ISOLATION REFERENCE                                |
|-------------|--|--|
| 31 51 XD -- | A config warn & T/O ldg test problem was encountered by flight crew which is not covered in the fault code diagrams.               | SSM 31-51-01 thru SSM 31-51-07                           |
| 31 51 XE 00 | Report takeoff/landing configuration warning symptoms or patterns along with fault code.   | SSM 31-51-07 thru SSM 31-51-08                           |
| 31 51 XG 00 | A speedbrake landing configuration warning problem was encountered by flight crew which is not covered in the fault code diagrams. | SSM 31-51-01 thru SSM 31-51-07                           |
| 31 25 01 -- | (01=Capt,02=F/O,03=Both) Clock sweep second hand inoperative.  | Replace Capt (F/O) clock N2 (N42)(AMM 31-25-01/401).     |
| 31 25 02 -- | (01=Capt,02=F/O,03=Both) Clock(s) inaccurate.  | Replace Capt (F/O) clock N2 (N42)(AMM 31-25-01/401).     |
| 31 25 03 -- | (01=Capt,02=F/O) clock switch fails to (start, stop or reset) CHR indication.  | Replace Capt (F/O) clock switch S320 (S321).             |
| 31 25 04 -- | (01=Capt,02=F/O) chronograph switch fails to (start, stop or reset) CHR indication.  | Replace Capt (F/O) clock N2 (N42)(AMM 31-25-01/401).     |
| 31 25 05 -- | (01=Capt,02=F/O,03=Both) clock(s) GMT indicator blank.   | FIM 31-25-00/101, Fig. 102A, Block 1                     |
| 31 25 08 -- | (01=Capt,02=F/O) Clock sweep second hand sticks.   | Replace Capt (F/O) clock N2 (N42)(AMM 31-25-01/401).     |
| 31 25 09 -- | (01=Capt,02=F/O,03=Both) Clocks are inoperative.   | Replace Capt (F/O) clock N2 (N42)(AMM 31-25-01/401).     |
| 31 25 10 -- | (01=Capt,02=F/O,03=Both) Clock(s) date indicator blank.  | FIM 31-41-00/101, Fig. 103, Block 1                      |
| 31 31 07 00 | PTR light illuminated on Data Management Entry Panel. System powered.  | Replace the Airborne Printer, M10386 (AMM 31-35-06/401). |

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| FAULT CODE  | LOG BOOK REPORT  | FAULT ISOLATION REFERENCE   |
|-------------|--|---|
| 31 31 08 00 | DMEP light illuminated on Data Management Entry Panel. System powered.                             | Replace the DMEP, M10301 (AMM 31-31-06/401).                        |
| 31 31 09 00 | OAR light illuminated on Data Management Entry Panel. System powered.                              | Replace the Quick Access Recorder (QAR), M10387 (AMM 31-35-01/401). |
| 31 31 25 00 | FLT RECORDER OFF light on with engines not running and switch in ON, TEST.                         | FIM 31-31-00/101, Fig. 104, Block 1                                 |
| 31 31 26 00 | EICAS msg FLT DATA REC displayed. OFF light on with engines running and switch in NORM.            | Replace the DFDR, M200 (AMM 31-31-01/401).                          |
| 31 31 27 00 | EICAS msg FLT DATA ACQ displayed. OFF light on with engines running and switch in NORM.            | Replace the DFDAU, M138 (AMM 31-31-03/401)                          |
| 31 31 28 -- | FLT RECORDER OFF light on with engines (01=L eng,02=R eng, 03=L&R eng) running and switch in NORM. | FIM 31-31-00/101, Fig. 104, Block 1                                 |
| 31 31 29 00 | EICAS msg FLT DATA ACQ displayed.  | FIM 31-31-00/101, Fig. 105, Block 1                                 |
| 31 31 30 00 | EICAS msg FLT DATA REC displayed.  | FIM 31-31-00/101, Fig. 105, Block 1                                 |
| 31 31 31 00 | DMEP display is Blank. DMEP FAIL light (is, is not) on.  | Replace the DMEP, M10301 (AMM 31-31-06/401).                        |
| 31 31 32 00 | DMEP display has missing segments.   | Replace the DMEP, M10301 (AMM 31-31-06/401).                        |
| 31 31 33 00 | Keyed in data does not display. DMEP FAIL light (is, is not) on.                                   | Replace the DMEP, M10301 (AMM 31-31-06/401).                        |
| 31 31 34 00 | DMEP display will not clear. DMEP FAIL light (is, is not) on.                                      | Replace the DMEP, M10301 (AMM 31-31-06/401).                        |
| 31 31 35 00 | Keyed data will not enter. DMEP FAIL light (is, is not) on.  | Replace the DMEP, M10301 (AMM 31-31-06/401).                        |

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| FAULT CODE  | LOG BOOK REPORT   | FAULT ISOLATION REFERENCE   |
|-------------|---|---|
| 31 31 36 00 | LAMP TEST failed on DMEP<br>(Describe: lights, LED, ETC).   | Replace the DMEP, M10301<br>(AMM 31-31-06/401).   |
| 31 35 01 00 | Printer paper will not advance.   | FIM 31-35-00/101, Fig. 103,<br>Block 1 or FIM 31-35-00/101,<br>Fig. 104, Block 1  |
| 31 35 02 00 | Printer SELF TEST inoperative.  | FIM 31-35-00/101, Fig. 103,<br>Block 1 or<br>FIM 31-35-00/101, Fig. 104,<br>Block 1   |
| 31 35 03 00 | Printer PWR ON light off with<br>FLT Recorder on.   | Replace the AIDS Printer, M10381<br>(AMM 31-35-06/401/401).   |
| 31 35 04 00 | Printer ALERT Reset inoperative.  | Replace the AIDS Printer, M10381<br>(AMM 31-35-06/401).   |
| 31 35 08 00 | PTR BUSY light inoperative.   | FIM 31-35-00/101, Fig. 103,<br>Block 1 or<br>FIM 31-35-00/101, Fig. 104,<br>Block 1   |
| 31 41 03 -- | Master caution lights and aural<br>warning did not cancel when<br>(01=Capt,02=F/O,03=Both) caution<br>switch(es) reset. | Examine and repair the circuit<br>from captain's (first officer's)<br>Master Caution lighted switch,<br>pin 8 to left (right) EICAS<br>computer connector D319B pin J15<br>(connector D321B pin J15)<br>(WDM 31-41-14, WDM 31-41-24). |
| 31 41 04 00 | Master caution lights did not<br>come on when level B caution<br>condition existed (state<br>condition existing).       | Examine and repair the circuit<br>from left (right) EICAS computer<br>connector D319A pin F8<br>(connector D321A pin F8) to<br>captain's (F/O's) master caution<br>lighted switch (pin 16)<br>(WDM 31-41-14, WDM 31-41-24).           |
| 31 41 05 -- | (01=L,02=R 03=L&R) master<br>CAUTION light(s) failed to come<br>on during FIRE/OVHT TEST.                               | Examine and repair the circuit<br>from left (right) EICAS computer<br>connector D319A pin F8<br>(connector D321A pin F8) to<br>captain's (F/O's) master caution<br>lighted switch (pin 16)<br>(WDM 31-41-14, WDM 31-41-24).           |

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| FAULT CODE  | LOG BOOK REPORT   | FAULT ISOLATION REFERENCE  |
|-------------|---|--|
| 31 41 06 00 | EICAS (ENGINE, STATUS) select switch does not (select, deselect)(secondary engine, status) format.  | Replace the EICAS select panel, M10195 (AMM 31-41-03/401).                           |
| 31 41 07 -- | (03=upper,04=lower) EICAS display is (blank, out of focus, distorted, wrong color: describe fault). Operation normal on alternate computer. | FIM 31-41-00/101, Fig. 104, Block 1  |
| 31 41 08 -- | (03=upper,04=lower) EICAS display is (blank, out of focus, distorted, wrong color: describe fault). Fault remains on alternate computer.    | FIM 31-41-00/101, Fig. 105, Block 1  |
| 31 41 11 00 | EICAS msg EICAS DISPLAY displayed.  | Replace the applicable (N10013=Upper,N10014=Lower) EICAS display (AMM 31-41-01/401). |
| 31 41 12 -- | EICAS msg (01=L,02=R) EICAS CMPTR displayed.  | FIM 31-41-00/101, Fig. 103, Block 1  |
| 31 41 13 00 | EICAS msg EICAS DISAGREE displayed. EICAS computers not checked.  | FIM 31-41-00/101, Fig. 103, Block 1  |
| 31 41 14 00 | EICAS msg EICAS CONT PNL displayed.   | FIM 31-41-00/101, Fig. 106, Block 1  |
| 31 41 15 00 | Max ind reset switch will not reset overlimit readout.  | Replace the EICAS select panel, M10195 (AMM 31-41-03/401).                           |
| 31 41 16 -- | Manual thrust set knob will not control (01=L,02=R,03=both) thrust reference cursor(s).   | Replace the EICAS select panel, M10195 (AMM 31-41-03/401).                           |
| 31 41 17 -- | Display brightness knobs will not control brightness, balance of (03=both,04=upper,05=lower) EICAS CRT(s).                                  | FIM 31-41-00/101, Fig. 107, Block 1  |
| 31 41 18 00 | Maintenance message EICAS BITE displayed with ECS/MSG format selected.  | FIM 31-41-00/101, Fig. 103, Block 1  |

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| FAULT CODE  | LOG BOOK REPORT   | FAULT ISOLATION REFERENCE   |
|-------------|---|---|
| 31 41 25 05 | Upper and lower EICAS display go blank intermittently. Operation norm on alternate computer.  | FIM 31-41-00/101, Fig. 104, Block 1   |
| 31 41 26 -- | (03=upper,04=lower,05=upper and lower) EICAS display goes blank intermittently. Fault remains on alternate computer.                                      | FIM 31-41-00/101, Fig. 105, Block 1   |
| 31 41 28 -- | EICAS msg EICAS DISAGREE displayed. (01=L,02=R) EICAS computer engine indication not normal (describe).   | FIM 31-41-00/101, Fig. 103, Block 1   |
| 31 41 29 -- | Vibration indication (describe fault) using (01=L,02=R) EICAS computer.   | FIM 31-41-00/101, Fig. 103, Block 1   |
| 31 41 30 -- | EICAS message (01=L,02=R) ENG LOW N1 displayed when engine was shut down.   | FIM 31-41-00/101, Fig. 103, Block 1   |
| 31 41 31 -- | EICAS message (01=L,02=R) ENG SHUTDOWN did not display and aural warning and appropriate engine related messages were not inhibited with engine shutdown. | FIM 31-41-00/101, Fig. 103, Block 1   |
| 31 41 34 00 | EICAS msg EICAS DISAGREE displayed. Engine indications same on both computers.  | FIM 31-41-00/101, Fig. 103, Block 1   |
| 31 41 35 00 | EICAS msg EICAS SOFTWARE displayed.   | Make sure the correct software part number is installed (AMM 31-41-00/201). |

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| FAULT CODE  | LOG BOOK REPORT   | FAULT ISOLATION REFERENCE  |
|-------------|---|--|
| 31 51 01 -- | Aural warning (bell, siren, clacker, wailer) failed to silence (01=CAPT,02=F/0)(master warning/caution reset switch pushed, condition corrected). | (Bell) Replace the bell/chime aural warning module, M100 (AMM 31-51-04). (Left siren) Replace the left siren/owl aural warning module, M999 (AMM 31-51-04). (Right siren) Replace the right siren/owl aural warning module, M619 (AMM 31-51-04). (Left clacker/wailer) Replace the left clacker/wailer aural warning module, M10421 (AMM 31-51-04). (Right clacker/wailer) Replace the right clacker/wailer aural warning module, M10422 (AMM 31-51-04). If fault persists persists, FIM 31-51-00/101, Fig. 103A, Block 1. |
| 31 51 02 -- | Master warning lights cannot be extinguished by (01=Capt,02=F/0) master warning/caution reset switch. Aural warning silenced norm.                | FIM 31-51-00/101, Fig. 103A, Block 1   |
| 31 51 03 00 | Master warning lights did not come on when warning condition existed (refer to log book for warning condition).                                   | FIM 31-51-00/101, Fig. 103A, Block 1   |
| 31 51 04 00 | Bell did not sound when fire condition existed. Master warning lights came on norm (refer to log book for fire condition).                        | Replace the bell/chime aural warning module, M1000 (AMM 31-51-04/401).   |
| 31 51 05 -- | Bell did not sound from (01=Capt,02=F/0) speaker.   | FIM 31-51-00/101, Fig. 104, Block 1  |
| 31 51 06 00 | Siren did not sound. Master warning lights came on norm.  | FIM 31-51-00/101, Fig. 104, Block 1  |
| 31 51 07 -- | Siren did not sound from (01=Capt,02=F/0) speaker.  | FIM 31-51-00/101, Fig. 104, Block 1  |
| 31 51 08 00 | Clacker did not sound when overspeed condition existed. Master warning lgts on norm.  | FIM 31-51-00/101, Fig. 104, Block 1  |

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| FAULT CODE  | LOG BOOK REPORT  | FAULT ISOLATION REFERENCE   |
|-------------|--|---|
| 31 51 09 -- | Clacker did not sound from (01=Capt,02=F/O) speaker.   | FIM 31-51-00/101, Fig. 104, Block 8   |
| 31 51 10 00 | Wailer did not sound at A/P disconnect. Master warning lights came on norm.  | FIM 31-51-00/101, Fig. 104, Block 7   |
| 31 51 11 00 | EICAS message WARN ELEX displayed.   | FIM 31-51-00/101, Fig. 105, Block 1   |
| 31 51 12 00 | Ground proximity/configuration gear override switch does not cancel the landing configurations aural warning.                      | FIM 31-51-00/101, Fig. 106, Block 6   |
| 31 51 13 -- | Beeper from (01=Capt,02=F/O, 03=Both) speaker(s) failed to automatically silence.  | Replace the left (right) siren/owl aural warning module, M999 (M619)(AMM 31-51-04/401). |
| 31 51 14 -- | Beeper did not sound from (01=Capt,02=F/O) speaker.  | FIM 31-51-00/101, Fig. 104, Block 1   |
| 31 51 15 00 | CONFIG and WARNING light came on, siren sounded and EICAS msg GEAR NOT DOWN displayed during approach. Gear was down and locked.   | Replace the landing configuration warning module, M983 (AMM 31-51-04/401).              |
| 31 51 16 00 | CONFIG and WARNING light came on, siren sounded during T/O. No EICAS msg was displayed. Airplane was in correct T/O configuration. | Replace the takeoff configuration warning module, M620 (AMM 31-51-04/401).              |
| 31 51 17 00 | CONFIG T/O warning test inop.  | FIM 31-51-00/101, Fig. 103, Block 1   |
| 31 51 18 00 | CONFIG light did not come on during CONFIG T/O test. Other indications normal.   | FIM 31-51-00/101, Fig. 103, Block 1   |
| 31 51 19 00 | WARNING light did not come on during CONFIG T/O test. Other indications normal.  | FIM 31-51-00/101, Fig. 103, Block 1   |
| 31 51 20 00 | WARNING light did not come on during CONFIG T/O and LDG test. Other indications normal.  | FIM 31-51-00/101, Fig. 103, Block 1   |

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| FAULT CODE  | LOG BOOK REPORT  | FAULT ISOLATION REFERENCE   |
|-------------|--|---|
| 31 51 21 00 | No siren sound during CONFIG T/O test. Other indications normal.   | FIM 31-51-00/101, Fig. 104, Block 1   |
| 31 51 22 00 | CONFIG LDG warning test inop.  | FIM 31-51-00/101, Fig. 106, Block 1   |
| 31 51 23 00 | CONFIG light did not come on during CONFIG LDG test. Other indications normal.   | FIM 31-51-00/101, Fig. 106, Block 1   |
| 31 51 24 00 | WARNING light did not come on during CONFIG LDG test. Other indications normal.  | FIM 31-51-00/101, Fig. 106, Block 1   |
| 31 51 25 00 | No siren sounded during CONFIG LDG test. Other indications normal.   | FIM 31-51-00/101, Fig. 104, Block 1   |
| 31 51 26 00 | EICAS msg: GEAR NOT DOWN did not display during config landing test.   | Replace the landing configuration module, M983 (AMM 31-51-04/401).  |
| 31 51 27 00 | EICAS msg WARN ELEX displayed.   | FIM 31-51-00/101, Fig. 105, Block 1   |
| 31 51 28 -- | Wailer did not sound from (01=Capt,02=F/O) speaker.  | FIM 31-51-00/101, Fig. 104, Block 7   |
| 31 51 29 -- | CONFIG & WARNING lights came on, siren sounded during T/O. EICAS msg (01=FLAPS,02=SPOILERS,03=STABILIZER,04=PARKING BRAKE) was displayed. Airplane was in correct T/O configuration. | FIM 31-51-00/101, Fig. 108, Block 1<br>FIM 31-51-00/101, Fig. 109, Block 1<br>FIM 31-51-00/101, Fig. 110, Block 1 |
| 31 51 31 00 | CONFIG light on. EICAS msg FLAPS displayed. Airplane on ground. Flaps in T.O. range.   | FIM 31-51-00/101, Fig. 108, Block 1   |
| 31 51 32 00 | CONFIG light on. EICAS msg SPOILERS displayed. Airplane on ground. SPOILERS down.  | FIM 31-51-00/101, Fig. 109, Block 1   |
| 31 51 33 00 | CONFIG light on. EICAS msg STABILIZER displayed. Airplane on ground. Stabilizer in green band.   | FIM 31-51-00/101, Fig. 107, Block 1   |

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|-------------|--|--|
| 31 51 34 00 | CONFIG light on. EICAS msg PARKING BRAKE displayed. Airplane on ground. Parking brake released.  | FIM 31-51-00/101, Fig. 110, Block 1  |
| 31 51 43 00 | CONFIG light on. EICAS msg GEAR NOT DOWN displayed. Airplane in flight above 800 ft. Not in landing configuration.                                     | FIM 31-51-00/101, Fig. 106, Block 1  |
| 31 51 44 00 | CONFIG light on. EICAS msg FLAPS displayed. Flaps in normal position for flight.   | FIM 31-51-00/101, Fig. 108, Block 1  |
| 31 51 45 00 | CONFIG light on. EICAS msg SPOILERS displayed. Spoilers in normal position for flight.   | FIM 31-51-00/101, Fig. 109, Block 1  |
| 31 51 46 00 | CONFIG light on. EICAS msg STABILIZER displayed. Stabilizer in normal position for flight.   | FIM 31-51-00/101, Fig. 107, Block 1  |
| 31 51 47 00 | CONFIG light on. EICAS msg GEAR NOT DOWN displayed. Airplane in flight with gear down for landing.   | FIM 31-51-00/101, Fig. 106, Block 1  |
| 31 51 48 00 | CONFIG light on. EICAS msg SPOILERS displayed. Airplane on ground with reverse thrust applied.   | FIM 31-51-00/101, Fig. 109, Block 1  |
| 31 51 65 00 | SPEEDBRAKE light on. EICAS msg SPEEDBRAKES EXT displayed. Radio altitude was above 15 feet and below 800 feet with speedbrake lever in down position.  | Replace the landing config warning module, M983 (AMM 31-51-04/401). If fault persists, examine the spoiler controls (FIM 27-09-00/101, Fig. 103, Block 1). |
| 31 51 66 00 | SPEEDBRAKE light on. EICAS msg SPEEDBRAKES EXT displayed. Radio altitude was above 15 feet and below 800 feet with speedbrake lever in armed position. | Replace the landing config warning module, M983 (AMM 31-51-04/401). If fault persists, examine the spoiler controls (FIM 27-09-00/101, Fig. 103, Block 1). |

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|-------------|---|--|
| 31 51 67 00 | SPEEDBRAKE light on. EICAS msg SPEEDBRAKES EXT displayed. Radio altitude was above 15 feet and below 800 feet with speedbrake lever in either down or armed position. | Replace the landing config warning module, M983 (AMM 31-51-04/401). If fault persists, examine the spoiler controls (FIM 27-09-00/101, Fig. 103, Block 1). |
| 31 51 68 00 | SPEEDBRAKES light on. EICAS msg SPEEDBRAKES EXT displayed. Radio altitude was above 800 feet with speedbrake lever in down position.                                  | Replace the landing config warning module, M983 (AMM 31-51-04/401). If fault persists, examine the spoiler controls (FIM 27-09-00/101, Fig. 103, Block 1). |
| 31 51 69 00 | SPEEDBRAKES light on. EICAS msg SPEEDBRAKES EXT displayed. Radio altitude was above 800 feet with speedbrake lever in armed position.                                 | Replace the landing config warning module, M983 (AMM 31-51-04/401). If fault persists, examine the spoiler controls (FIM 27-09-00/101, Fig. 103, Block 1). |
| 31 51 70 00 | SPEEDBRAKES light on. EICAS msg SPEEDBRAKES EXT displayed. Radio altitude was above 800 feet with speedbrake lever in up position.                                    | Replace the landing config warning module, M983 (AMM 31-51-04/401). If fault persists, examine the spoiler controls (FIM 27-09-00/101, Fig. 103, Block 1). |
| 31 51 71 00 | SPEEDBRAKES light on. EICAS msg SPEEDBRAKES EXT displayed. Radio altitude was above 800 feet with speedbrake lever in any position.                                   | Replace the landing config warning module, M983 (AMM 31-51-04/401). If fault persists, examine the spoiler controls (FIM 27-09-00/101, Fig. 103, Block 1). |
| 31 51 72 00 | Master caution light and aural warning failed to operate during caution condition (state condition).  | FIM 31-41-00/101, Fig. 103, Block 1  |
| 31 51 73 -- | (01=Capt,02=F/O,03=Both) Caution aural did not sound during caution condition. Master caution lights on normally (state caution condition).                           | FIM 31-51-00/101, Fig. 103, Block 1  |

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## 31-FAULT CODE INDEX

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| FAULT CODE  | LOG BOOK REPORT   | FAULT ISOLATION REFERENCE  |
|-------------|---|--|
| 31 51 74 -- | (01=L,02=R,03=L&R) Master WARNING light(s) failed to come on during FIRE/OVHT TEST. | FIM 31-51-00/101, Fig. 103A, Block 1                                   |
| 31 51 75 00 | Fire bell failed to ring during FIRE/OVHT TEST. Other fire indications norm.        | Replace the bell/chime aural warning module, M1000 (AMM 31-51-04/401). |

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## 31-FAULT CODE INDEX

04

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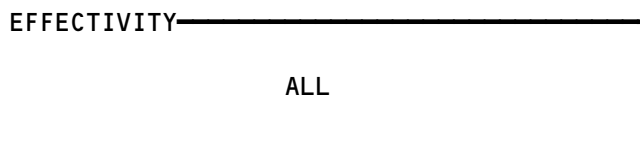
**BITE Index**

**1. General**

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

| <u>LRU/System Name</u>                              | <u>Acronym</u> | <u>FIM Reference</u>     |
|---|----------------|--------------------------|
| Air Data Computer                                   | ADC            | 34-12                    |
| Air Data Inertial Reference Unit                    | ADIRU          | 34-26                    |
| Air Traffic Control Transponder                     | ATC            | 34-53                    |
| Airborne Vibration Monitor Signal Conditioner       | AVM            | 77-31                    |
| Antiskid/Autobrake Control Unit                     |                | 32-42                    |
| APU Fire Detection System                           |                | 26-15                    |
| Automatic Direction Finder Receiver                 | ADF            | 34-57                    |
| APU Control Unit                                    | ECU            | 49-11                    |
| Brake Temperature Monitor Unit                      |                | 32-46                    |
| Bus Power Control Unit                              | BPCU           | 24-20                    |
| Cabin Pressure Controller                           |                | 21-30                    |
| 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 Engine Control (RR Engines)              | EEC            | 73-21                    |
| Electronic Engine Control Monitor Unit (PW Engines) | EECM           | 71-EPCS<br>Message Index |
| Electronic Flight Instrument System                 | EFIS           | 34-22                    |
| Electronic Propulsion Control System (PW Engines)   | EPCS           | 71-EPCS<br>Message Index |
| Engine Fire/Overheat Detection System               |                | 26-11                    |
| Engine Indication and Crew Alerting System Computer | EICAS          | 31-41                    |

Bite Index  
Figure 1 (Sheet 1)

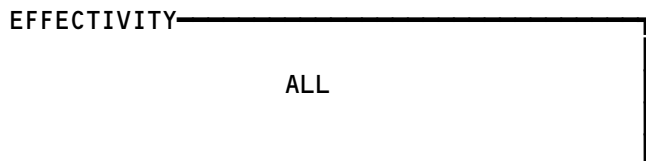


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| <u>LRU/System Name</u>  | <u>Acronym</u> | <u>FIM Reference</u> |
|---|----------------|----------------------|
| Engine Turbine Cooling Overheat Detection System (RR Engines) |                | 26-13                |
| Enhanced Ground Proximity Warning Computer                    | EGPWC          | 34-46                |
| Flap/Slat Accessory Module                                    | FSAM           | 27-51                |
| Flap/Slat Electronic Unit                                     | FSEU           | 27-51                |
| 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                |
| Inertial Reference Unit                                       | IRU            | 34-21                |
| Instrument Comparator Unit                                    | ICU            | 34-25                |
| Instrument Landing System Receiver                            | ILS            | 34-31                |
| Lower Cargo Compartment Smoke Detection System                |                | 26-16                |
| Maintenance Control Display Panel                             | MCDP           | 22-00                |
| PA (Passenger Address) Amplifier                              |                | 23-31                |
| Pack Standby Temperature Controller                           |                | 21-51                |
| Pack Temperature Controller                                   |                | 21-51                |
| Passenger Entertainment System                                | PES            | 23-34                |
| Power Supply Module (Control System Electronics Units)        | PSM            | 27-09                |
| Propulsion Discrete Interface Unit (PW Engines)               | PDIU           | 73-21                |
| Proximity Switch Electronics Unit                             | PSEU           | 32-09                |
| Radio Altimeter Transmitter/Receiver                          | RA             | 34-33                |
| Rudder Ratio Changer Module                                   | RRCM           | 27-09                |
| Spoiler Control Module  | SCM            | 27-09                |
| Stabilizer Position Module                                    | SPM            | 27-48                |
| 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                |

Bite Index  
Figure 1 (Sheet 2)

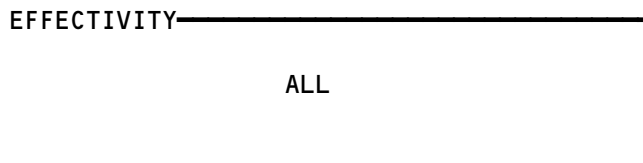


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| <u>LRU/System Name</u>                              | <u>Acronym</u> | <u>FIM Reference</u> |
|---|----------------|----------------------|
| Thrust Management Computer/Autothrottle             | TMC            | 22-00                |
| Traffic 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                         |                | 21-60                |

Bite Index  
Figure 1 (Sheet 3)



## 31-BITE INDEX

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1. General

A. The data in this section, 31-01-XX, will help you find the electrical components that are installed in the electrical/electronic panels in the airplane.

NOTE: In general, the XX is the panel number.

Examples: P6 panel is in 31-01-06  
P36 panel is in 31-01-36.

(1) These components are shown and identified:

NOTE: Examples of the electrical equipment numbers for these components are shown in parentheses.

- (a) Contactors (Txxxx)
- (b) Current Sensors (TSxxxx)
- (c) Modules (Mxxxxx)
- (d) Relays (Kxxxxx)
- (e) Terminal Blocks (TBxxxx)
- (f) Transformers (Txxxxx)

(2) These components are shown for reference only:

- (a) Circuit Breakers
- (b) Panel Switches

(3) The resistors and diodes that are usually installed on the terminal blocks are not shown.

B. Instructions to Help You Use the Data in this Section

(1) Assumptions

- (a) You know the electrical equipment number of the component you want to find.
- (b) You know the panel number where the component is installed.

(2) Find the Component

- (a) Figure 101A has a list of the components in order of component type and electrical equipment number.

NOTE: Figure 101 in this procedure gives you a list of the panels that are shown in this section, 31-01-XX.

- 1) Find the component in the component list.
- 2) The number below the "Fig. 102 Sht" column tells you which sheet shows the component. The (X) below the Access/Area refers to the view on Figure 102 that shows the component.
- 3) Go to the applicable Figure 102 sheet to find the illustration of the panel.

Electrical/Electronic Panels - Component Location  
Figure 101 (Sheet 1)

EFFECTIVITY

ALL

**31-01-00**

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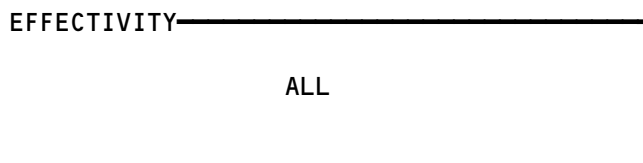
 **BOEING**  
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(b) Figure 102 shows the location of the panel and the components that are in the panels.

NOTE: Figure 102 in this procedure shows the location of the panels that are in this section, 31-01-XX.

- 1) These illustrations will show the area that contains the component.
- 2) The list of components shown for each area on Fig. 102 are in numeric order to help you find the component. They are not listed in the order that they are installed on the panel.
- 3) Use the placards in the panel to identify the specific location of the component.

Electrical/Electronic Panels - Component Location  
Figure 101 (Sheet 2)



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ELECTRICAL/ELECTRONIC PANELS

| COMPONENT  | FIG.<br>102<br>SHT | QTY | ACCESS/AREA                                  | AMM/FIM<br>REFERENCE |
|--|--------------------|-----|--|----------------------|
| E2, MAIN EQUIPMENT CENTER                              | 2                  | 1   | 119BL, MAIN EQUIP CTR, E2                    | 31-01-12             |
| E6, AFT EQUIPMENT CENTER                               | 2                  | 1   | 822, AFT CARGO COMPT, E6                     | 31-01-86             |
| P6, POWER DISTRIBUTION PANEL                           | 2                  | 1   | FLT COMPT, RIGHT SIDE                        | 31-01-06             |
| P26, LIGHTING EQUIPMENT PANEL                          | 2                  | 1   | 119BL, FLIGHT COMPARTMENT                    | 31-01-26             |
| P31, LEFT GENERATOR POWER PANEL                        | 2                  | 1   | 119BL, MAIN EQUIP CTR, CENTER                | 31-01-31             |
| P32, RIGHT GENERATOR POWER PANEL                       | 2                  | 1   | 119BL, MAIN EQUIP CTR, RIGHT SIDE            | 31-01-32             |
| P33, MISCELLANEOUS ELECTRICAL EQUIPMENT PANEL          | 2                  | 1   | 119BL, MAIN EQUIP CTR, CENTERLINE            | 31-01-33             |
| P34, APU EXTERNAL POWER PANEL                          | 2                  | 1   | 119BL, MAIN EQUIP CTR, LEFT OF<br>CENTERLINE | 31-01-34             |
| P36, LEFT MISCELLANEOUS ELECTRICAL EQUIPMENT<br>PANEL  | 2                  | 1   | 119BL, MAIN EQUIP CTR                        | 31-01-36             |
| P37, RIGHT MISCELLANEOUS ELECTRICAL EQUIPMENT<br>PANEL | 2                  | 1   | 119BL, MAIN EQUIP CTR                        | 31-01-37             |
| P65, MISCELLANEOUS ELECTRICAL EQUIPMENT                | 2                  | 1   | 119BL, MAIN EQUIP CTR, LEFT SIDE             | 31-01-65             |
| P70, MISCELLANEOUS ELECTRICAL EQUIPMENT                | 2                  | 1   | 119BL, MAIN EQUIP CTR, LEFT SIDE             | 31-01-70             |
| P71, HYDRAULIC GENERATOR POWER PANEL                   | 2                  | 1   | 119BL, MAIN EQUIP CTR                        | 31-01-71             |

Electrical/Electronic Panels - Component Index  
Figure 101A

EFFECTIVITY

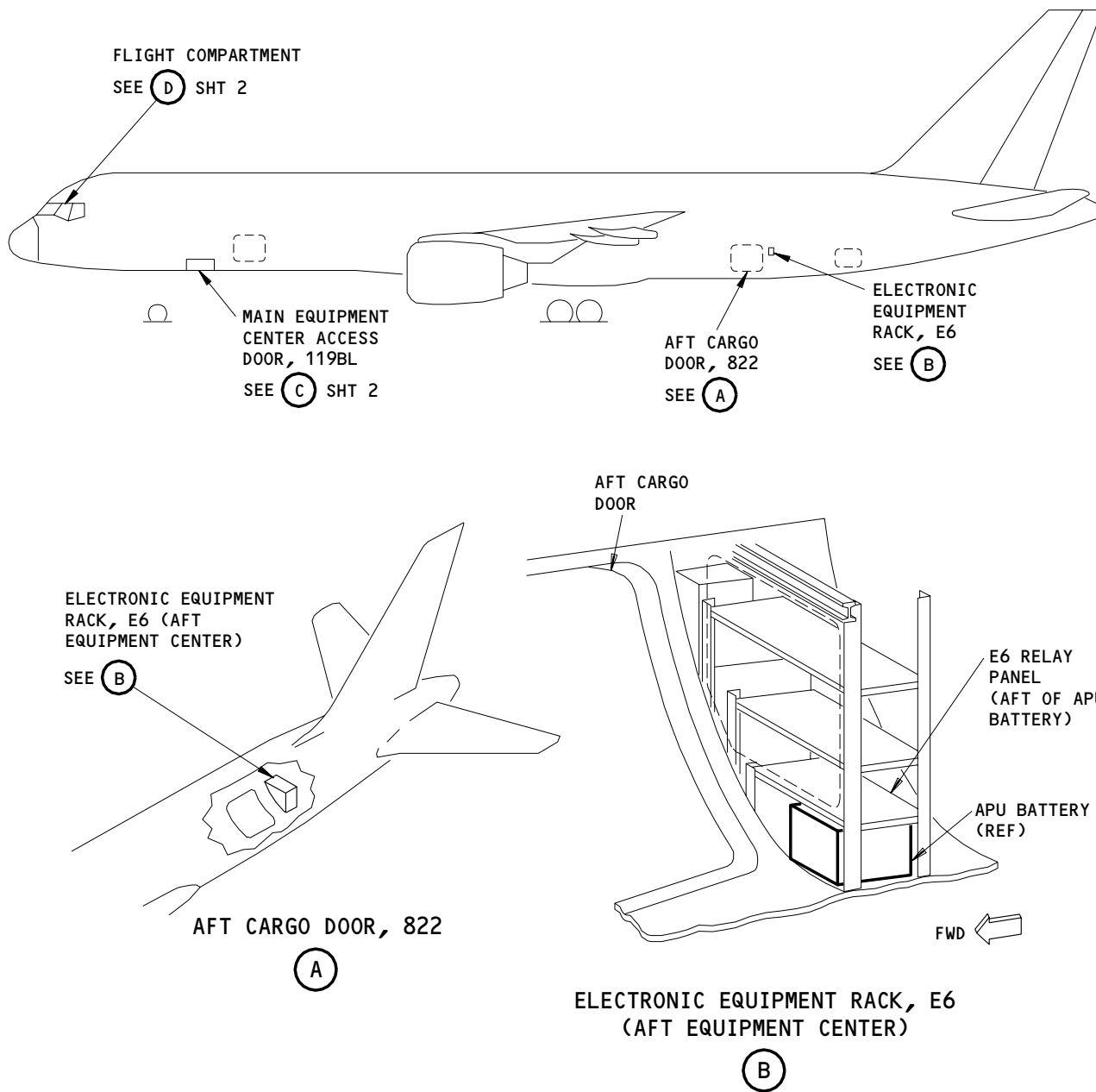
ALL

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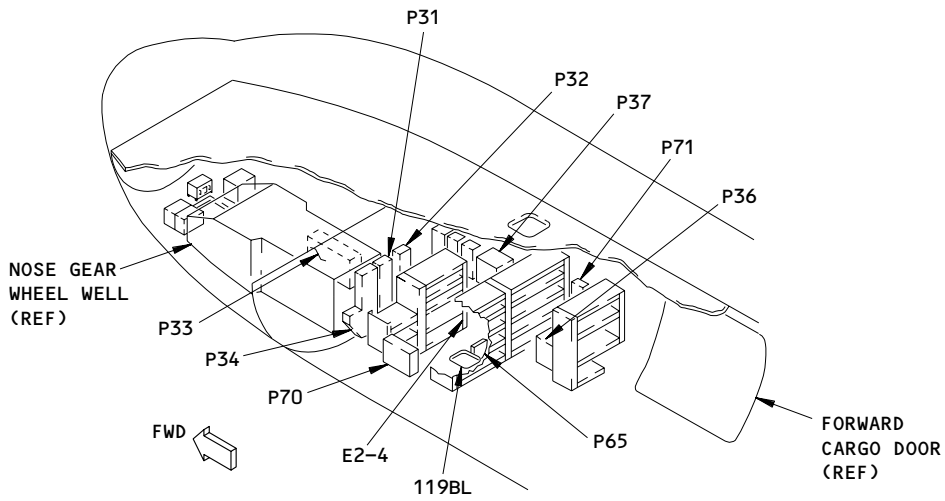
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Electrical/Electronic Panels - Component Location  
Figure 102 (Sheet 1)

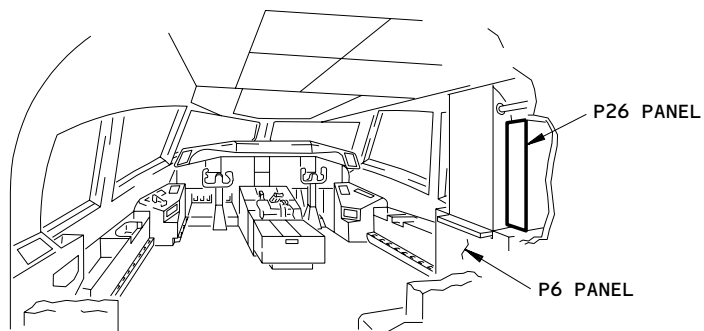
|             |     |
|-------------|-----|
| EFFECTIVITY | ALL |
|-------------|-----|

31-01-00



MAIN EQUIPMENT CENTER

(C)



FLIGHT COMPARTMENT

(D)

Electrical/Electronic Panels - Component Location (Details from Sht 1)  
Figure 102 (Sheet 2)

|             |     |
|-------------|-----|
| EFFECTIVITY |     |
|             | ALL |

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POWER DISTRIBUTION PANEL, P6

| COMPONENT        | FIG.<br>102<br>SHT | QTY | ACCESS/AREA   | AMM<br>REFERENCE |
|------------------|--------------------|-----|---------------|------------------|
| MODULE -         |                    |     | FLT COMPT, P6 |                  |
| M540             |                    | 1   | (C)           | *                |
| M10213           |                    | 1   | (A)           | *                |
| M10374           |                    | 1   | (A)           | *                |
| M10375           |                    | 1   | (A)           | *                |
| RELAY -          |                    |     | FLT COMPT, P6 |                  |
| K104             |                    | 1   | (A)           | *                |
| K105             |                    | 1   | (A)           | *                |
| K106             |                    | 1   | (A)           | *                |
| K107             |                    | 1   | (C)           | *                |
| K108             |                    | 1   | (A)           | *                |
| K109             |                    | 1   | (B)           | *                |
| K110             |                    | 1   | (B)           | *                |
| K113             |                    | 1   | (A)           | *                |
| K115             |                    | 1   | (B)           | *                |
| K122             |                    | 1   | (C)           | *                |
| K123             |                    | 1   | (C)           | *                |
| K137             |                    | 1   | (B)           | *                |
| K138             |                    | 1   | (B)           | *                |
| K10416           |                    | 1   | (B)           | *                |
| K10424           |                    | 1   | (B)           | *                |
| K10425           |                    | 1   | (B)           | *                |
| K10588           |                    | 1   | (A-A)         | *                |
| K10589           |                    | 1   | (A-A)         | *                |
| K10679           |                    | 1   | (A-A)         | *                |
| TERMINAL BLOCK - | 2                  |     | FLT COMPT, P6 |                  |
| TB24             |                    | 1   | (A)           | *                |
| TB5007           |                    | 1   | (A)           | *                |
| TB5008           |                    | 1   | (A)           | *                |
| TB5009           |                    | 1   | (A)           | *                |
| TB5012           |                    | 1   | (A)           | *                |
| TB5013           |                    | 1   | (A)           | *                |
| TB5014           |                    | 1   | (A)           | *                |
| TB5016           |                    | 1   | (A)           | *                |
| TB5017           |                    | 1   | (A)           | *                |
| TRANSFORMER -    |                    |     | FLT COMPT, P6 |                  |
| T106             |                    | 1   | (A)           | *                |
| T108             |                    | 1   | (A)           | *                |
| T10040           |                    | 1   | (A)           | *                |
| T10041           |                    | 1   | (A)           | *                |

\* SEE THE WDM EQUIPMENT LIST

**NOTE:** THE (X) BELOW THE ACCESS/AREA REFERS TO THE VIEW SHOWN ON FIG. 102. THIS HELPS YOU FIND THE COMPONENTS ON THE ILLUSTRATION. FOR EXAMPLE, (A) REFERS TO VIEW A.

Power Distribution Panel, P6 - Component Index  
Figure 101

EFFECTIVITY

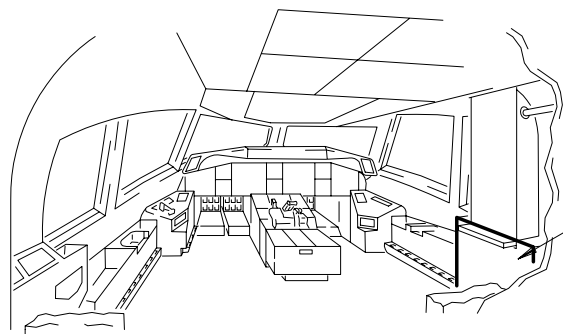
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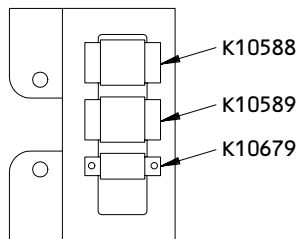
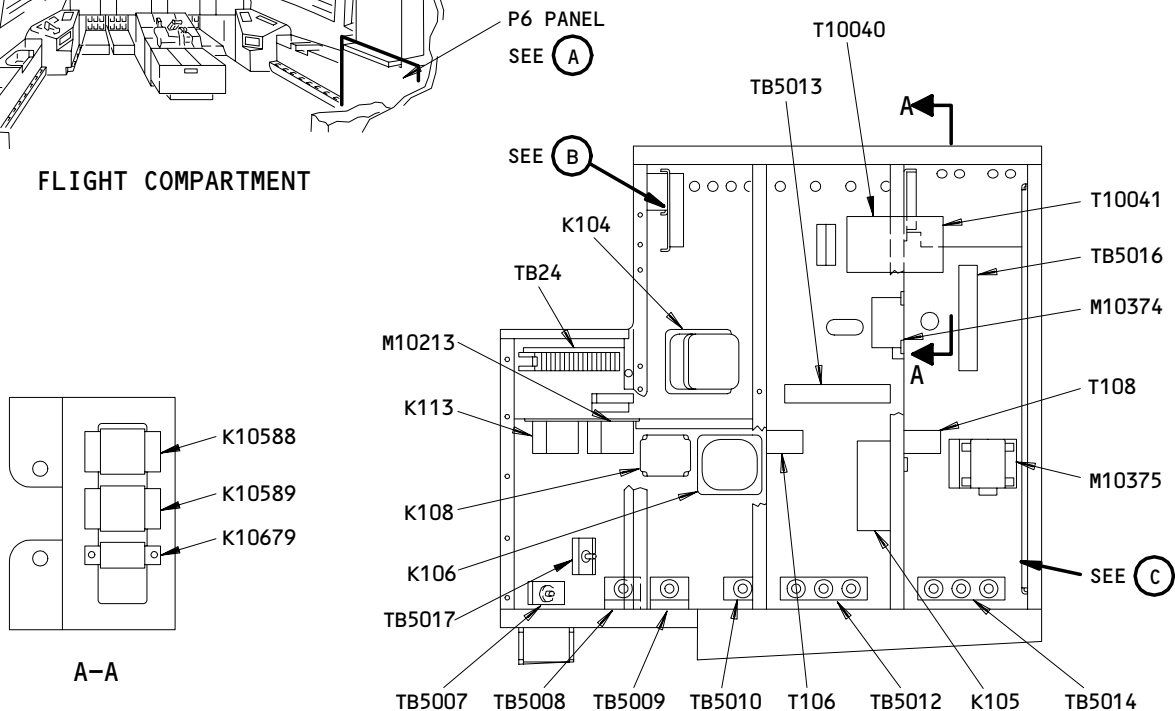
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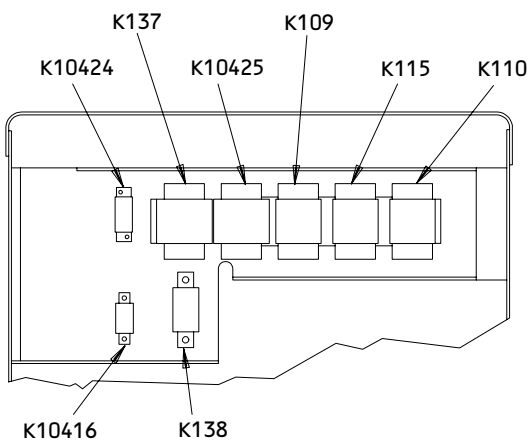
FLIGHT COMPARTMENT



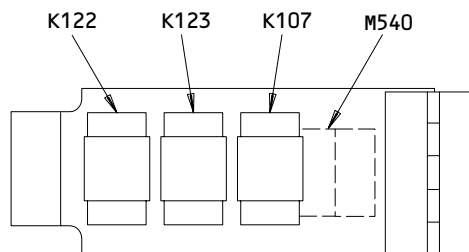
A-A

P6 PANEL

(A)



(B)



(C)

Power Distribution Panel, P6 - Component Location  
Figure 102

EFFECTIVITY

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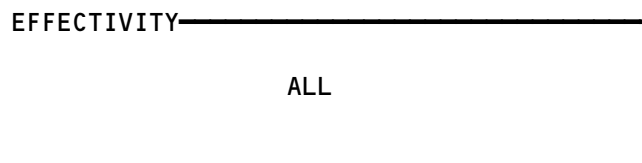
E2 ELECTRONIC SHELF

| COMPONENT                   | FIG.<br>102<br>SHT | QTY    | ACCESS/AREA               | AMM<br>REFERENCE |
|-----------------------------|--------------------|--------|---------------------------|------------------|
| RELAY -<br>K10802<br>K10803 | --                 | 1<br>1 | 119BL, MAIN EQUIP CTR, E2 | *<br>*           |

\* SEE THE WDM EQUIPMENT LIST

NOTE: THE (X) BELOW THE ACCESS/AREA REFERS TO THE VIEW SHOWN ON FIG. 102. THIS HELPS YOU FIND THE COMPONENTS ON THE ILLUSTRATION. FOR EXAMPLE, (A) REFERS TO VIEW A.

E2 Electronic Shelf - Component Index  
Figure 101

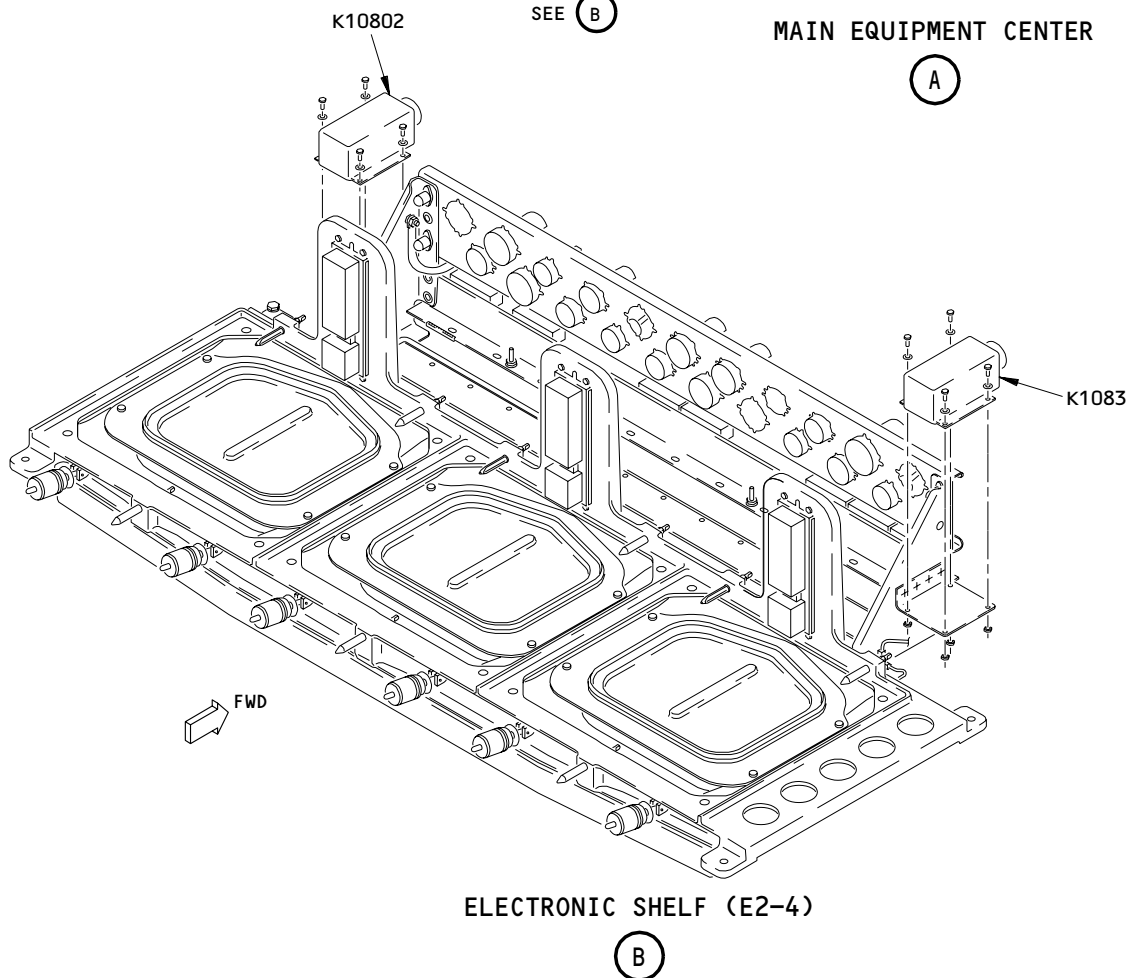
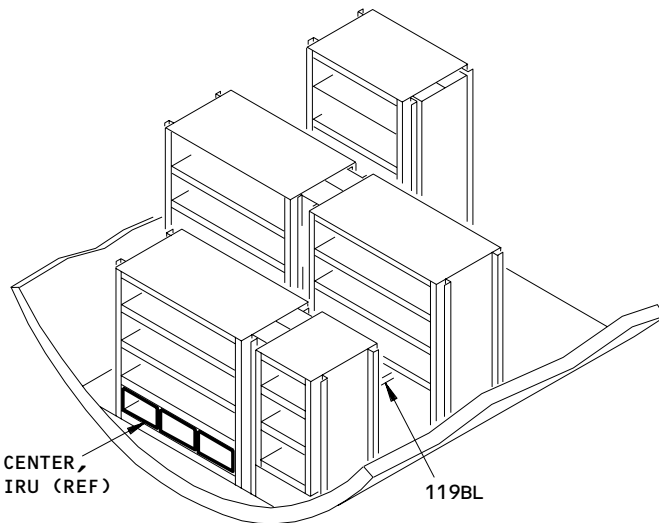
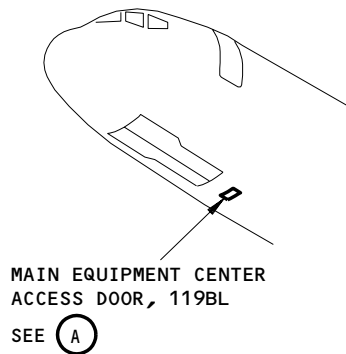


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E2 Electronic Shelf - Component Location  
Figure 102

|             |  |
|-------------|--|
| EFFECTIVITY |  |
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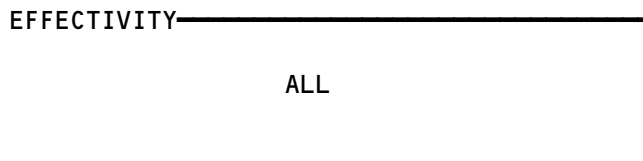
LIGHTING EQUIPMENT PANEL, P26

| COMPONENT | FIG.<br>102<br>SHT | QTY | ACCESS/AREA    | REFERENCE |
|-----------|--------------------|-----|----------------|-----------|
| MODULES - |                    |     | FLT COMPT, P26 |           |
| M10261    |                    | 1   | (A)            | *         |
| M10262    |                    | 1   | (A)            | *         |
| M10263    |                    | 1   | (A)            | *         |
| M10264    |                    | 1   | (A)            | *         |
| M10265    |                    | 1   | (A)            | *         |
| M10266    |                    | 1   | (A)            | *         |
| M10267    |                    | 1   | (A)            | *         |
| M10268    |                    | 1   | (A)            | *         |
| M10269    |                    | 1   | (A)            | *         |
| M10270    |                    | 1   | (A)            | *         |
| M10438    |                    | 1   | (A)            | *         |
| M10480    |                    | 1   | (A)            | *         |
| RELAYS -  |                    |     | FLT COMPT, P26 |           |
| K10137    |                    | 1   | (A)            | *         |
| K10138    |                    | 1   | (A)            | *         |
| K10139    |                    | 1   | (A)            | *         |
| K10140    |                    | 1   | (A)            | *         |
| K10141    |                    | 1   | (A)            | *         |
| K10142    |                    | 1   | (A)            | *         |
| K10143    |                    | 1   | (A)            | *         |
| K10144    |                    | 1   | (A)            | *         |
| K10145    |                    | 1   | (A)            | *         |
| K10146    |                    | 1   | (A)            | *         |
| K10147    |                    | 1   | (A)            | *         |
| K10148    |                    | 1   | (A)            | *         |
| K10149    |                    | 1   | (A)            | *         |
| K10150    |                    | 1   | (A)            | *         |
| K10151    |                    | 1   | (A)            | *         |
| K10152    |                    | 1   | (A)            | *         |
| K10153    |                    | 1   | (A)            | *         |
| K10155    |                    | 1   | (A)            | *         |
| K10156    |                    | 1   | (A)            | *         |
| K10271    |                    | 1   | (A)            | *         |
| K10272    |                    | 1   | (A)            | *         |
| K10274    |                    | 1   | (A)            | *         |
| K10451    |                    | 1   | (A)            | *         |
| K10452    |                    | 1   | (A)            | *         |

\* SEE THE WDM EQUIPMENT LIST

**NOTE:** THE (X) BELOW THE ACCESS/AREA REFERS TO THE VIEW SHOWN ON FIG. 102. THIS HELPS YOU FIND THE COMPONENTS ON THE ILLUSTRATION. FOR EXAMPLE, (A) REFERS TO VIEW A.

Lighting Equipment Panel, P26 - Component Index  
Figure 101



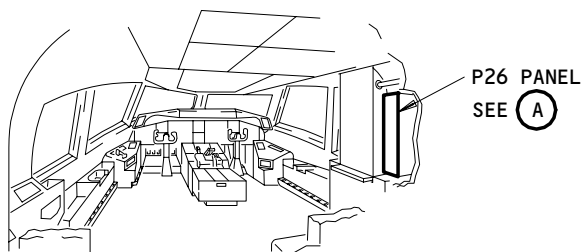
31-01-26

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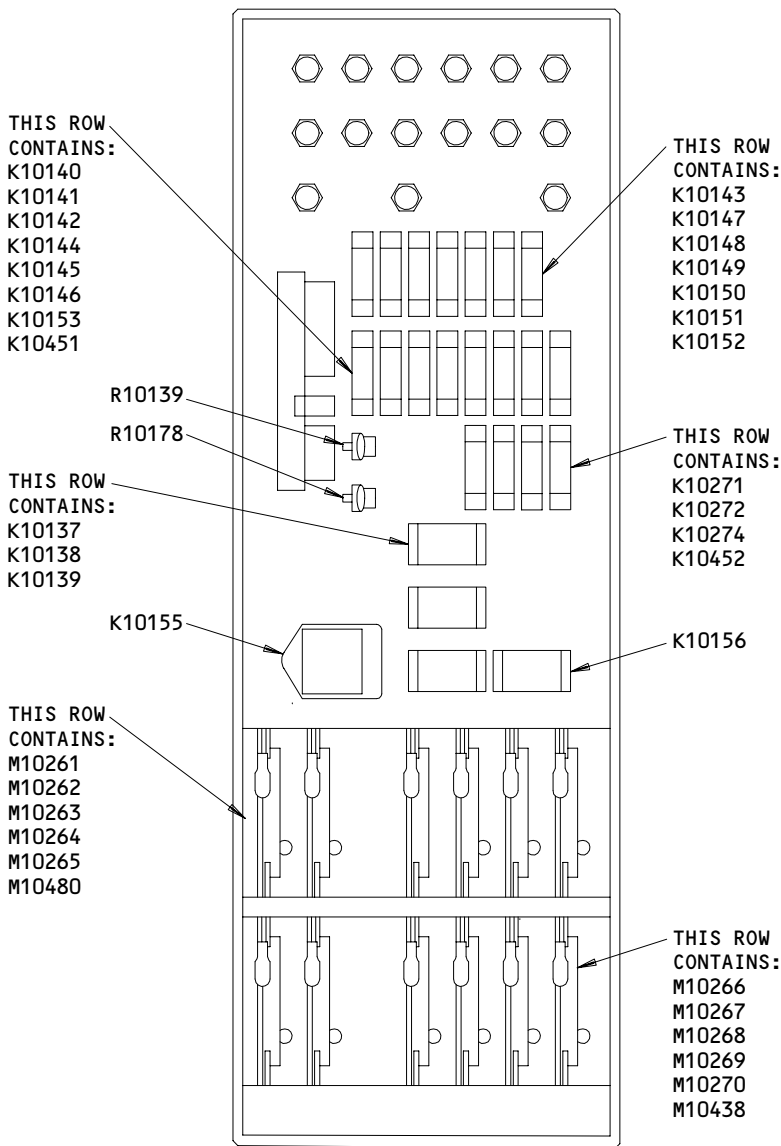
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FLIGHT COMPARTMENT



P26 PANEL



Lighting Equipment Panel, P26 - Component Location  
Figure 102

|             |     |
|-------------|-----|
| EFFECTIVITY | ALL |
|-------------|-----|

31-01-26



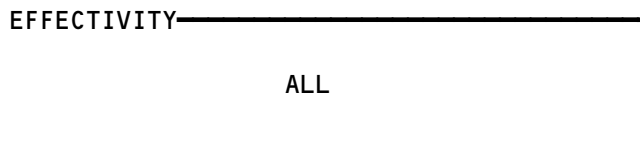
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 FAULT ISOLATION/MAINT MANUAL

LEFT GENERATOR POWER PANEL, P31

| COMPONENT   | FIG.<br>102<br>SHT | QTY                   | ACCESS/AREA                | AMM<br>REFERENCE      |
|---|--------------------|-----------------------|----------------------------|-----------------------|
| MODULE -<br>M227<br>M10005<br>M10006<br>M10561        | 2                  | 1<br>1<br>1<br>1      | 119BL, MAIN EQUIP CTR, P31 | *<br>*<br>*<br>*      |
| RELAY -<br>K199<br>K415<br>K526<br>K10136             | 2                  | 1<br>1<br>1<br>1      | 119BL, MAIN EQUIP CTR, P31 | *<br>*<br>*<br>*      |
| TERMINAL BLOCK -<br>TB131                             | 2                  | 1                     | 119BL, MAIN EQUIP CTR, P31 | *                     |
| TRANSFORMER -<br>T105<br>T112<br>T127<br>T155<br>T157 | 2                  | 1<br>1<br>1<br>1<br>1 | 119BL, MAIN EQUIP CTR, P31 | *<br>*<br>*<br>*<br>* |

\* SEE THE WDM EQUIPMENT LIST

Left Generator Power Panel, P31 - Component Index  
 Figure 101

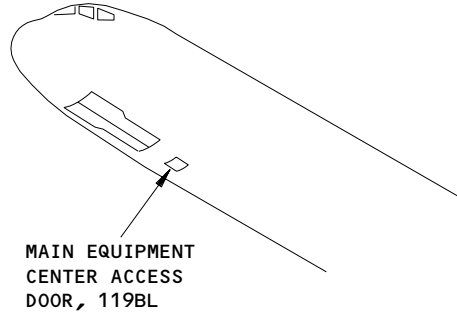


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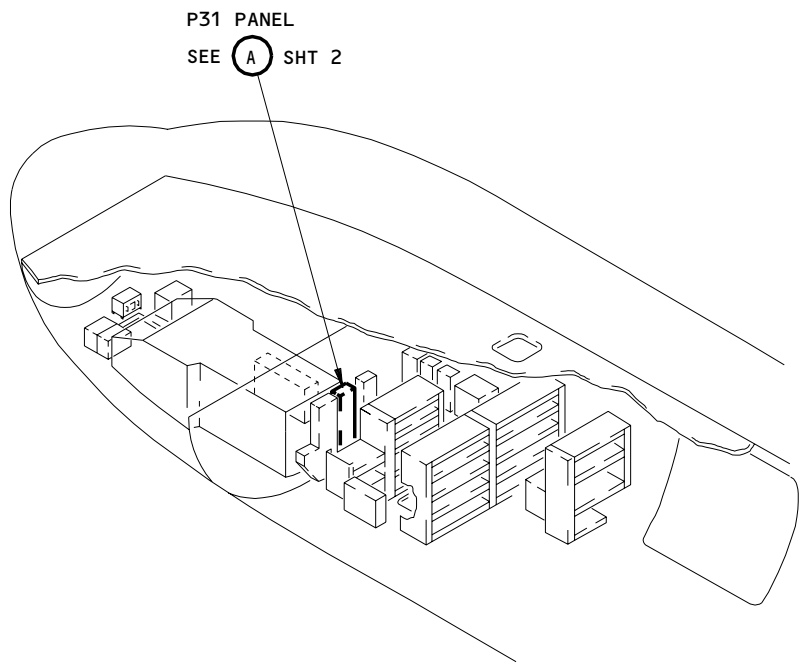
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MAIN EQUIPMENT  
 CENTER ACCESS  
 DOOR, 119BL



P31 PANEL  
 SEE A SHT 2

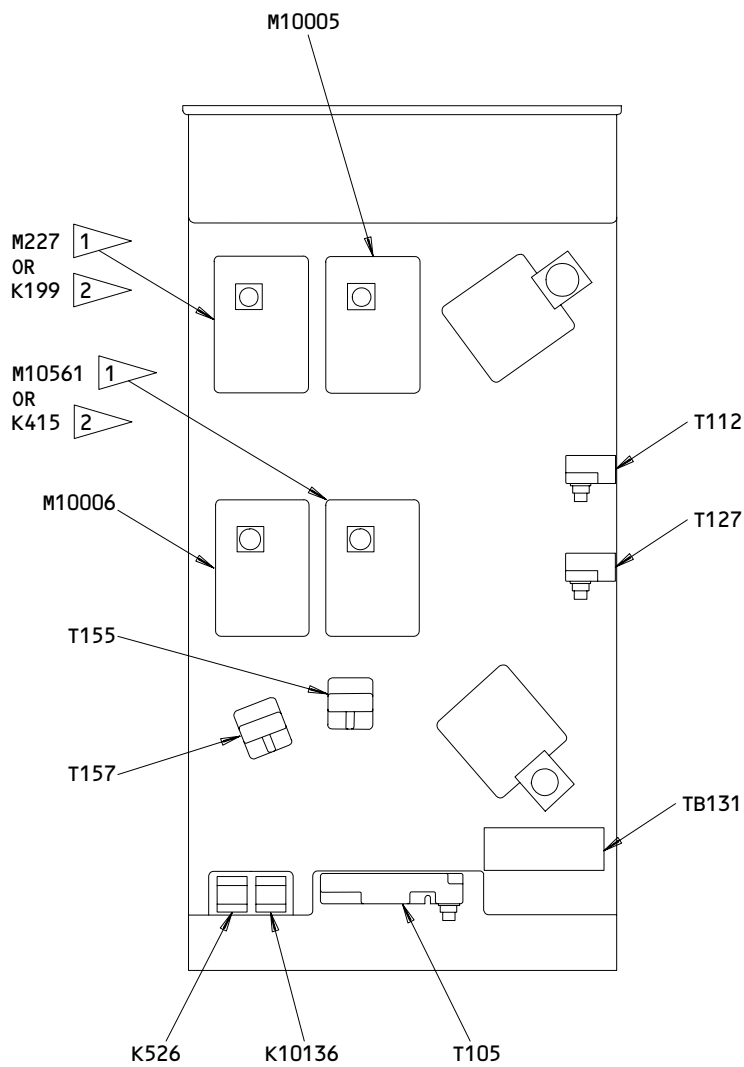
MAIN EQUIPMENT CENTER

Left Generator Power Panel, P31 - Component Location  
 Figure 102 (Sheet 1)

|             |     |
|-------------|-----|
| EFFECTIVITY |     |
|             | ALL |

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A78012



P31 PANEL

(A)

- 1 AIRPLANES WITH MODULES INSTALLED
- 2 AIRPLANES WITH RELAYS INSTALLED

Left Generator Power Panel, P31 - Component Location (Detail from Sht 1)  
Figure 102 (Sheet 2)

EFFECTIVITY

ALL

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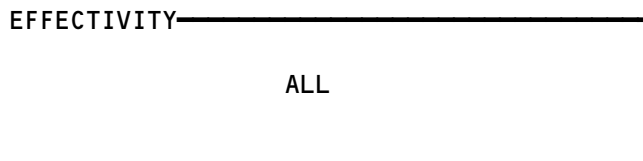
757  
 FAULT ISOLATION/MAINT MANUAL

RIGHT GENERATOR POWER PANEL, P32

| COMPONENT  | FIG.<br>102<br>SHT | QTY                   | ACCESS/AREA                           | AMM<br>REFERENCE      |
|--|--------------------|-----------------------|---------------------------------------|-----------------------|
| MODULE -<br>M225<br>M226<br>M546<br>M10001<br>M10022 |                    | 1<br>1<br>1<br>1<br>1 | 119AL, MAIN EQUIP CTR, P32<br><br>(A) | *<br>*<br>*<br>*<br>* |
| RELAY -<br>K527                                      |                    | 1                     | 119AL, MAIN EQUIP CTR, P32            | *                     |
| TERMINAL BLOCK -<br>TB132<br>TB5032                  |                    | 1<br>1                | 119AL, MAIN EQUIP CTR, P32            | *<br>*                |
| TRANSFORMER -<br>T107<br>T113<br>T128<br>T156        |                    | 1<br>1<br>1<br>1      | 119AL, MAIN EQUIP CTR, P32            | *<br>*<br>*<br>*      |

\* SEE THE WDM EQUIPMENT LIST

Right Generator Power Panel, P32 - Component Index  
 Figure 101

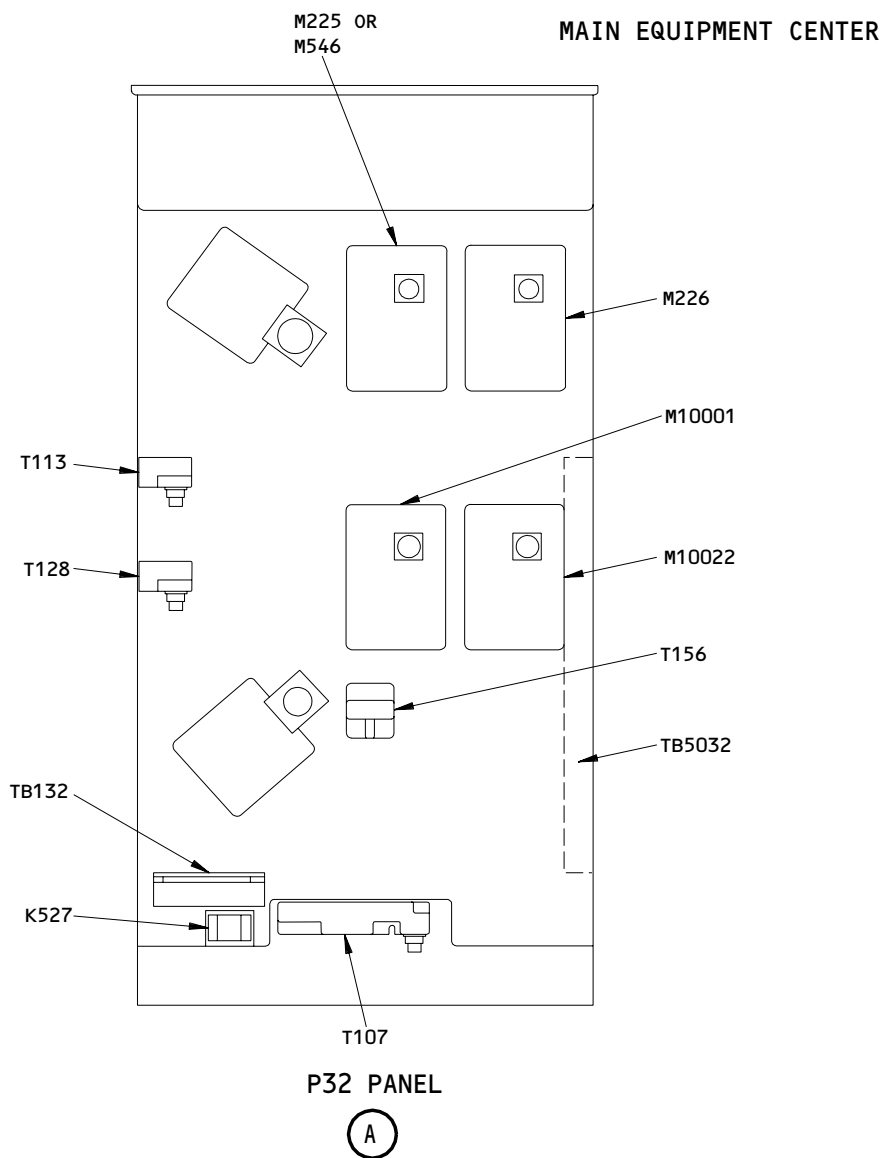
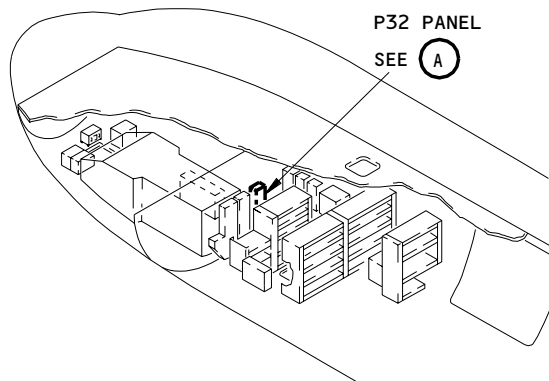
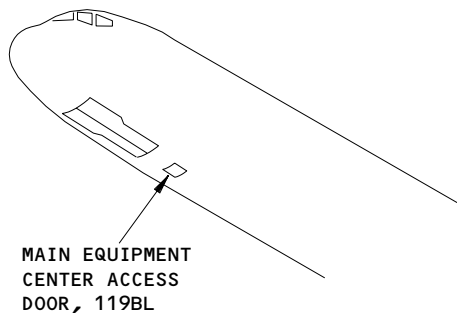


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Right Generator Power Panel, P32 - Component Location  
Figure 102

EFFECTIVITY

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 **BOEING**  
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FAULT ISOLATION/MAINT MANUAL

MISCELLANEOUS ELECTRICAL POWER PANEL, P33

| COMPONENT | FIG.<br>102<br>SHT | QTY | ACCESS/AREA                | REFERENCE |
|-----------|--------------------|-----|----------------------------|-----------|
| MODULES - | 2                  |     | 119BL, MAIN EQUIP CTR, P33 |           |
| M499      |                    | 1   | (A)                        | *         |
| M10145    |                    | 1   | (A)                        | *         |
| M10146    |                    | 1   | (A)                        | *         |
| M10323    |                    | 1   | (A)                        | *         |
| M10557    |                    | 1   | (A)                        | *         |
| M10558    |                    | 1   | (A)                        | *         |
| RELAYS -  | 2                  |     | 119BL, MAIN EQUIP CTR, P33 |           |
| K144      |                    | 1   | (A)                        | *         |
| K161      |                    | 1   | (A)                        | *         |
| K179      |                    | 1   | (A)                        | *         |
| K180      |                    | 1   | (A)                        | *         |
| K181      |                    | 1   | (A)                        | *         |
| K187      |                    | 1   | (A)                        | *         |
| K190      |                    | 1   | (A)                        | *         |
| K242      |                    | 1   | (A)                        | *         |
| K243      |                    | 1   | (A)                        | *         |
| K356      |                    | 1   | (A)                        | *         |
| K357      |                    | 1   | (A)                        | *         |
| K359      |                    | 1   | (A)                        | *         |
| K360      |                    | 1   | (A)                        | *         |
| K401      |                    | 1   | (A)                        | *         |
| K420      |                    | 1   | (A)                        | *         |
| K421      |                    | 1   | (A)                        | *         |
| K449      |                    | 1   | (A)                        | *         |
| K450      |                    | 1   | (A)                        | *         |
| K452      |                    | 1   | (A)                        | *         |
| K453      |                    | 1   | (A)                        | *         |
| K551      |                    | 1   | (A)                        | *         |
| K10011    |                    | 1   | (A)                        | *         |
| K10013    |                    | 1   | (A)                        | *         |
| K10024    |                    | 1   | (A)                        | *         |
| K10025    |                    | 1   | (A)                        | *         |
| K10051    |                    | 1   | (A)                        | *         |
| K10052    |                    | 1   | (A)                        | *         |
| K10059    |                    | 1   | (A)                        | *         |
| K10093    |                    | 1   | (A)                        | *         |

\* SEE THE WDM EQUIPMENT LIST

NOTE: THE (X) BELOW THE ACCESS/AREA REFERS TO THE VIEW SHOWN ON FIG. 102. THIS HELPS YOU FIND THE COMPONENTS ON THE ILLUSTRATION. FOR EXAMPLE, (A) REFERS TO VIEW A.

Miscellaneous Electrical Power Panel, P33 - Component Index  
Figure 101 (Sheet 1)

EFFECTIVITY

ALL

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**BOEING**  
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 FAULT ISOLATION/MAINT MANUAL

| COMPONENT         | FIG. 102 SHT | QTY | ACCESS/AREA                | REFERENCE |
|-------------------|--------------|-----|----------------------------|-----------|
| RELAYS (CONT) -   | 2            |     | 119BL, MAIN EQUIP CTR, P33 |           |
| K10094            |              | 1   | (A)                        | *         |
| K10095            |              | 1   | (A)                        | *         |
| K10097            |              | 1   | (A)                        | *         |
| K10098            |              | 1   | (A)                        | *         |
| K10104            |              | 1   | (A)                        | *         |
| K10110            |              | 1   | (A)                        | *         |
| K10111            |              | 1   | (A)                        | *         |
| K10157            |              | 1   | (A)                        | *         |
| K10253            |              | 1   | (A)                        | *         |
| K10265            |              | 1   | (A)                        | *         |
| K10494            |              | 1   | (A)                        | *         |
| K10714            |              | 1   | (A)                        | *         |
| K10715            |              | 1   | (A)                        | *         |
| TERMINAL BLOCKS - | 2            |     | 119BL, MAIN EQUIP CTR, P33 |           |
| TB46              |              | 1   |                            | *         |
| TB80              |              | 1   |                            | *         |
| TB81              |              | 1   |                            | *         |
| TRANSFORMER -     | 2            |     | 119BL, MAIN EQUIP CTR, P33 |           |
| T124              |              | 1   | (A)                        | *         |

\* SEE THE WDM EQUIPMENT LIST

**NOTE:** THE (X) BELOW THE ACCESS/AREA REFERS TO THE VIEW SHOWN ON FIG. 102. THIS HELPS YOU FIND THE COMPONENTS ON THE ILLUSTRATION. FOR EXAMPLE, (A) REFERS TO VIEW A.

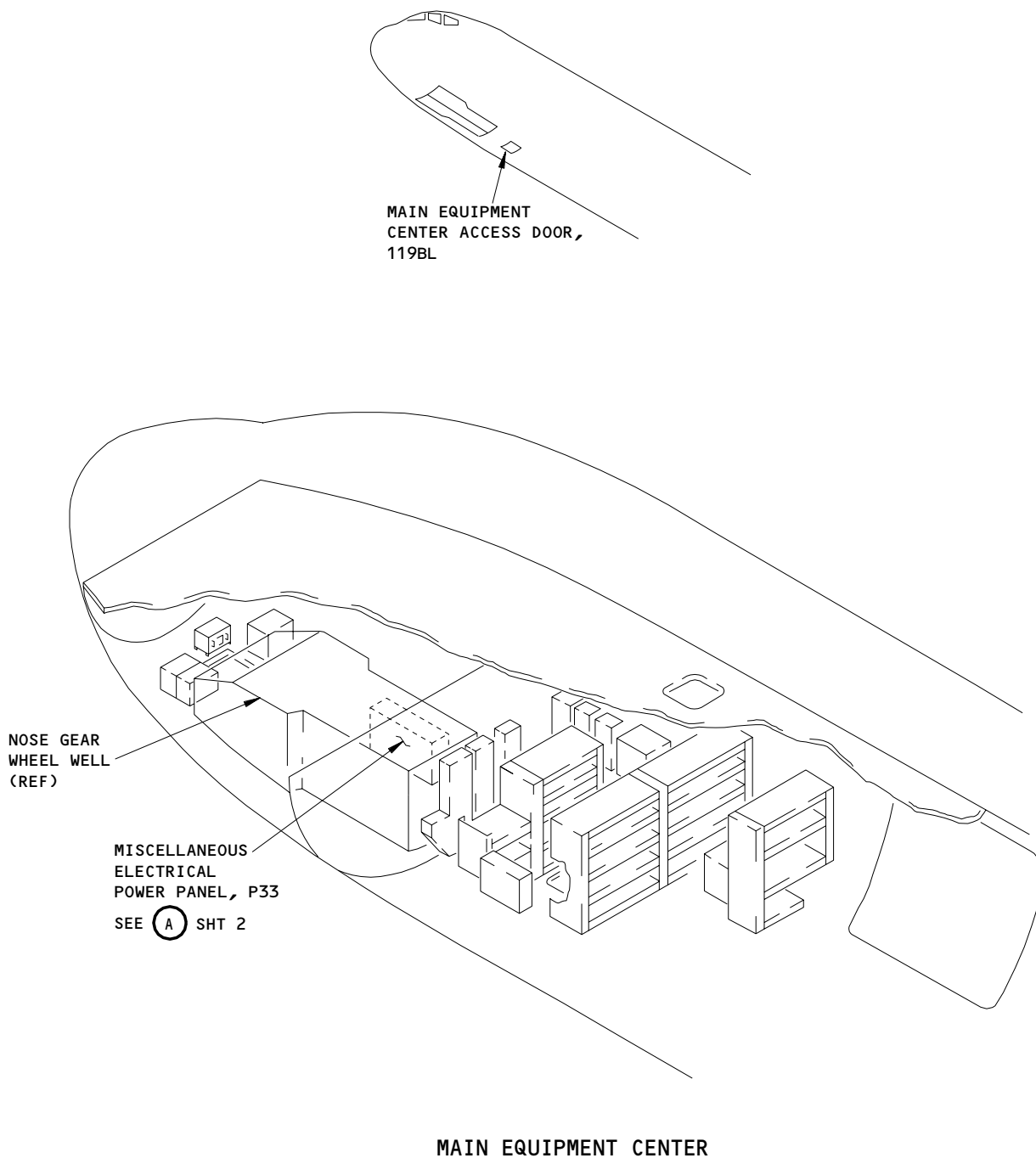
Miscellaneous Electrical Power Panel, P33 - Component Index  
 Figure 101 (Sheet 2)

EFFECTIVITY

|     |
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| ALL |
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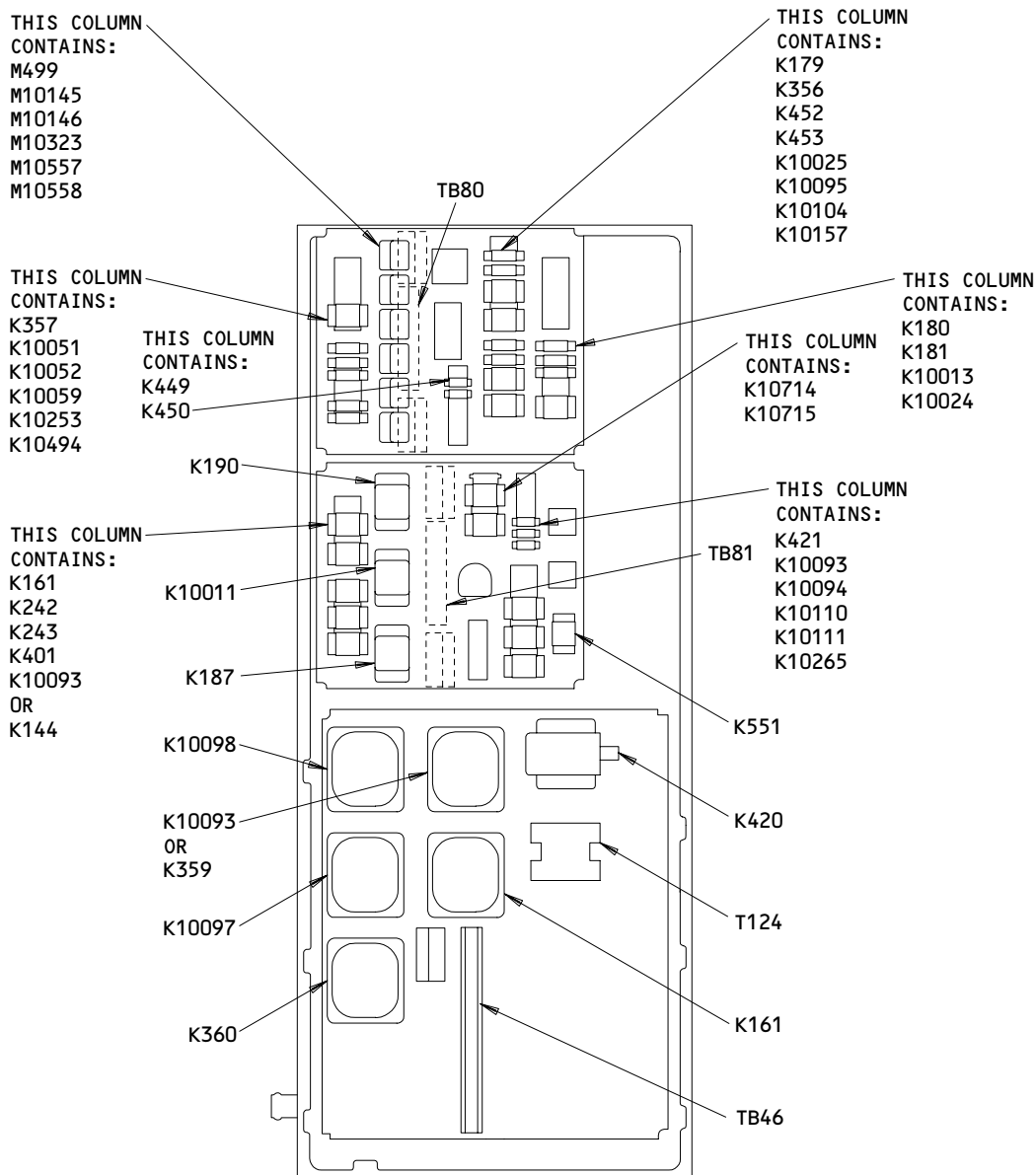
Miscellaneous Electrical Power Panel, P33 - Component Location  
Figure 102 (Sheet 1)

|             |     |
|-------------|-----|
| EFFECTIVITY |     |
|             | ALL |

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P33 PANEL

(A)

Miscellaneous Electrical Power Panel, P33 - Component Location (Detail from Sht 1)  
Figure 102 (Sheet 2)

EFFECTIVITY

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 FAULT ISOLATION/MAINT MANUAL

APU/EXTERNAL POWER PANEL, P34

| COMPONENT | FIG.<br>102<br>SHT | QTY | ACCESS/AREA                | AMM<br>REFERENCE |
|-----------|--------------------|-----|----------------------------|------------------|
| RELAY -   |                    |     | 119BL, MAIN EQUIP CTR, P34 |                  |
| K5        | 3                  | 1   | (B)                        | *                |
| K101      | 2                  | 1   | (A)                        | *                |
| K102      | 2                  | 1   | (A)                        | *                |
| K103      | 2                  | 1   | (A)                        | *                |
| K114      | 2                  | 1   | (A)                        | *                |
| K162      | 3                  | 1   | (B)                        | *                |
| K191      | 3                  | 1   | (B)                        | *                |
| K435      | 3                  | 1   | (B)                        | *                |
| K505      | 3                  | 1   | (B)                        | *                |
| K512      | 3                  | 1   | (B)                        | *                |
| K10028    | 3                  | 1   | (B)                        | *                |
| K10029    | 3                  | 1   | (B)                        | *                |
| K10057    | 3                  | 1   | (B)                        | *                |
| K10064    | 3                  | 1   | (B)                        | *                |
| K10073    | 3                  | 1   | (B)                        | *                |
| K10075    | 3                  | 1   | (B)                        | *                |
| K10159    | 3                  | 1   | (B)                        | *                |
| K10219    | 3                  | 1   | (B)                        | *                |
| K10256    | 3                  | 1   | (B)                        | *                |
| K10257    | 3                  | 1   | (B)                        | *                |
| K10405    | 3                  | 1   | (B)                        | *                |
| K10421    | 3                  | 1   | (B)                        | *                |
| K10437    | 3                  | 1   | (B)                        | *                |
| K10483    | 3                  | 1   | (B)                        | *                |
| K10490    | 3                  | 1   | (B)                        | *                |
| K10491    | 3                  | 1   | (B)                        | *                |
| K10492    | 3                  | 1   | (B)                        | *                |
| K10493    | 3                  | 1   | (B)                        | *                |
| K10495    | 3                  | 1   | (B)                        | *                |
| K10496    | 3                  | 1   | (B)                        | *                |
| K10574    | 3                  | 1   | (B)                        | *                |
| K10578    | 3                  | 1   | (B)                        | *                |
| K10579    | 3                  | 1   | (B)                        | *                |
| K10580    | 3                  | 1   | (B)                        | *                |
| K10606    | 3                  | 1   | (B)                        | *                |
| K10607    | 3                  | 1   | (B)                        | *                |
| K10608    | 3                  | 1   | (B)                        | *                |
| K10612    | 3                  | 1   | (B)                        | *                |
| K10613    | 3                  | 1   | (B)                        | *                |
| K10707    | 3                  | 1   | (B)                        | *                |

\* SEE THE WDM EQUIPMENT LIST

NOTE: THE (X) BELOW THE ACCESS/AREA REFERS TO THE VIEW SHOWN ON FIG. 102. THIS HELPS YOU FIND THE COMPONENTS ON THE ILLUSTRATION. FOR EXAMPLE, (A) REFERS TO VIEW A.

APU/External Power Panel, P34 - Component Index  
 Figure 101 (Sheet 1)

EFFECTIVITY

|     |
|-----|
| ALL |
|-----|

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**BOEING**  
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 FAULT ISOLATION/MAINT MANUAL

| COMPONENT                | FIG.<br>102<br>SHT | QTY | ACCESS/AREA                       | AMM<br>REFERENCE |
|--------------------------|--------------------|-----|-----------------------------------|------------------|
| SWITCH -<br>S10259       | 3                  | 1   | 119BL, MAIN EQUIP CTR, P34<br>(B) | *                |
| TERMINAL BLOCK -<br>TB47 | 3                  | 1   | 119BL, MAIN EQUIP CTR, P34<br>(B) | *                |
| TB5034                   | 2                  | 1   | (A)                               | *                |
| TRANSFORMER -<br>T103    | 2                  | 1   | 119BL, MAIN EQUIP CTR, P34<br>(A) | *                |
| T111                     | 2                  | 1   | (A)                               | *                |
| T115                     | 2                  | 1   | (A)                               | *                |
| T116                     | 2                  | 1   | (A)                               | *                |
| T122                     | 2                  | 1   | (A)                               | *                |
| K123                     | 3                  | 1   | (B)                               | *                |
| T126                     | 3                  | 1   | (B)                               | *                |
| K153                     | 3                  | 1   | (B)                               | *                |
| T10003                   | 3                  | 1   | (B)                               | *                |
| T10004                   | 3                  | 1   | (B)                               | *                |
| T10005                   | 3                  | 1   | (B)                               | *                |
| T10006                   | 3                  | 1   | (B)                               | *                |
| T10022                   | 3                  | 1   | (B)                               | *                |

\* SEE THE WDM EQUIPMENT LIST

**NOTE:** THE (X) BELOW THE ACCESS/AREA REFERS TO THE VIEW SHOWN ON FIG. 102. THIS HELPS YOU FIND THE COMPONENTS ON THE ILLUSTRATION. FOR EXAMPLE, (A) REFERS TO VIEW A.

APU/External Power Panel, P34 - Component Index  
 Figure 101 (Sheet 2)

EFFECTIVITY

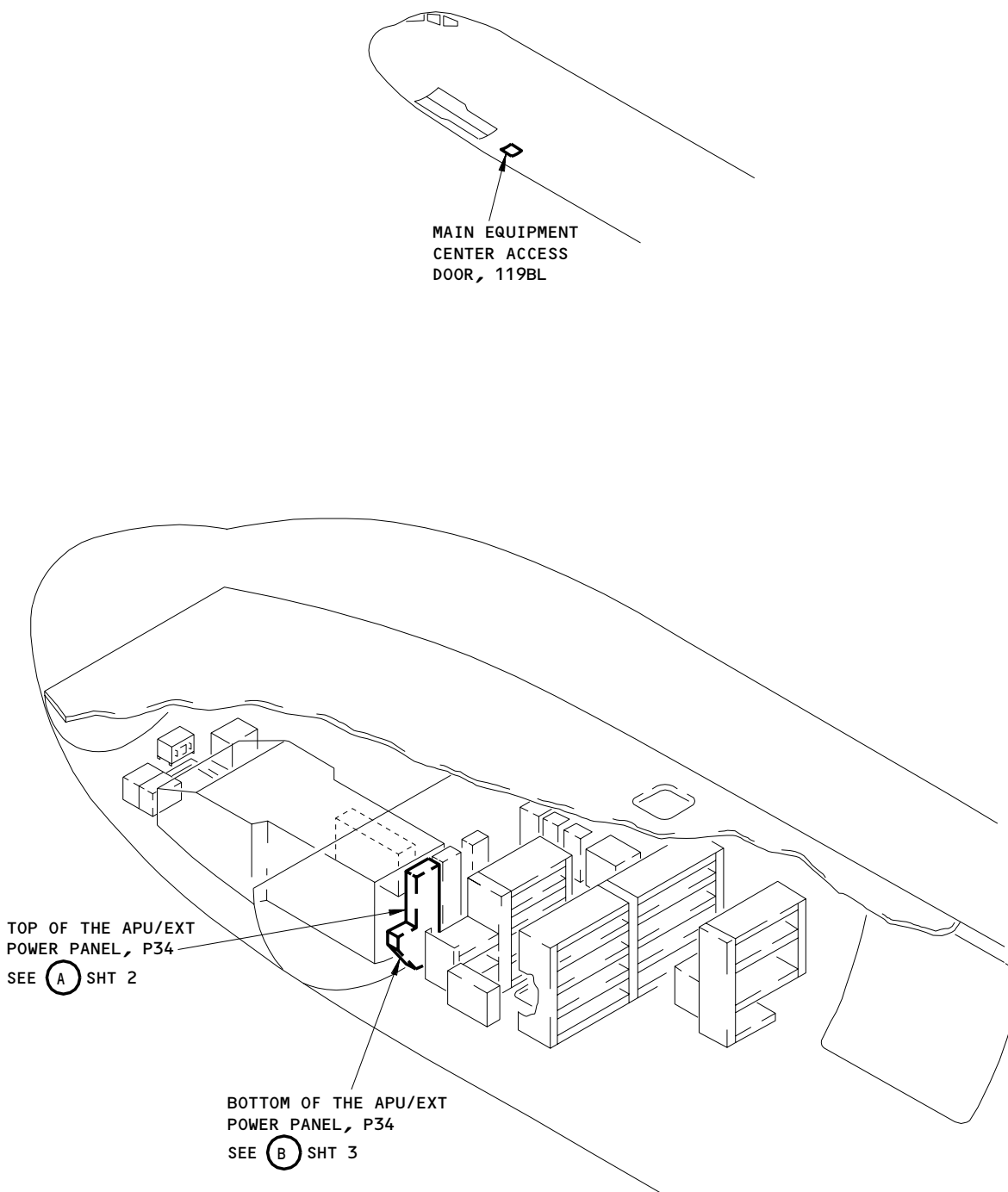
|     |
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| ALL |
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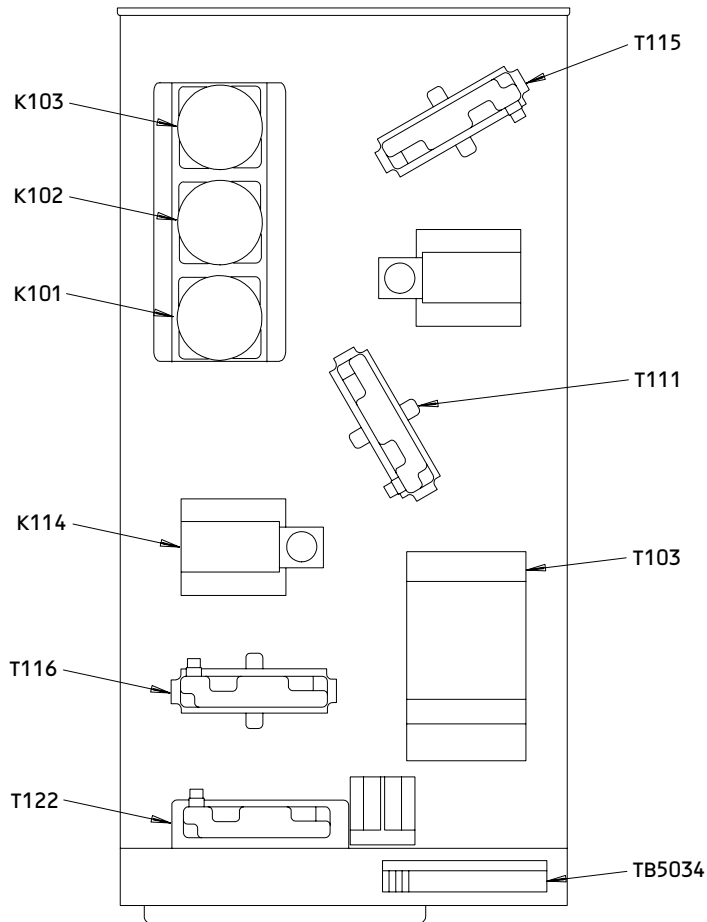


MAIN EQUIPMENT CENTER

APU/External Power Panel, P34 - Component Location  
Figure 102 (Sheet 1)

|             |     |
|-------------|-----|
| EFFECTIVITY |     |
|             | ALL |

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TOP OF THE APU/EXTERNAL POWER PANEL, P34

A

APU/External Power Panel, P34 - Component Location (Detail from Sht 1)  
Figure 102 (Sheet 2)

|             |     |
|-------------|-----|
| EFFECTIVITY |     |
|             | ALL |

**31-01-34**

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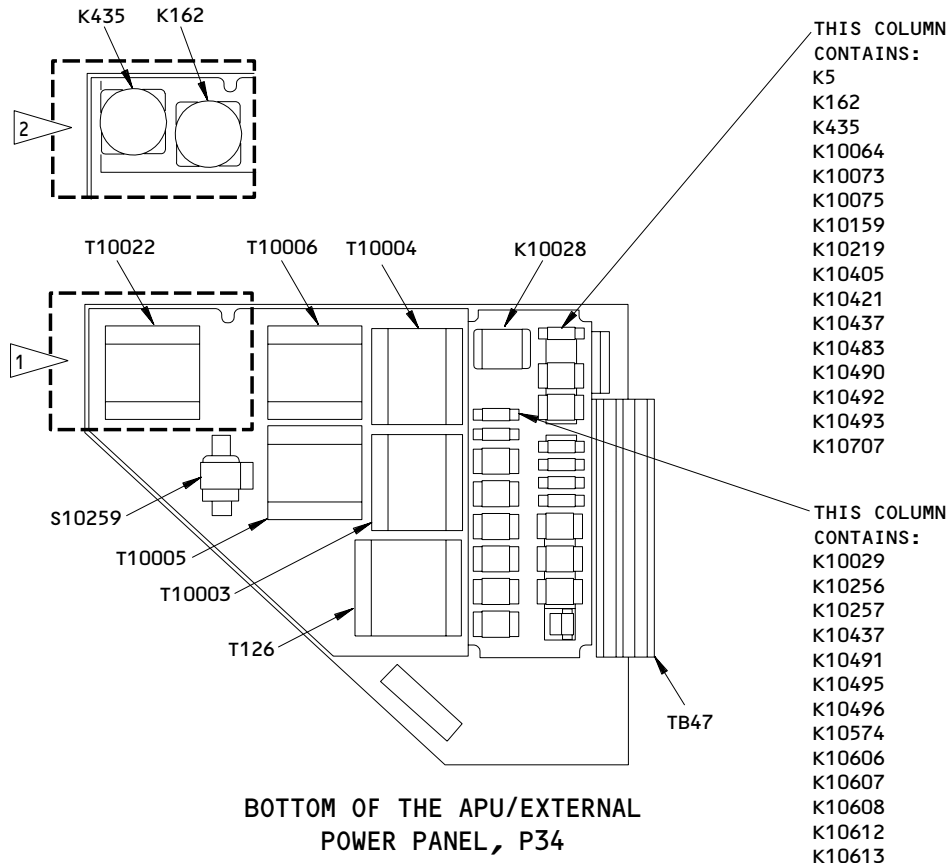
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# BOEING

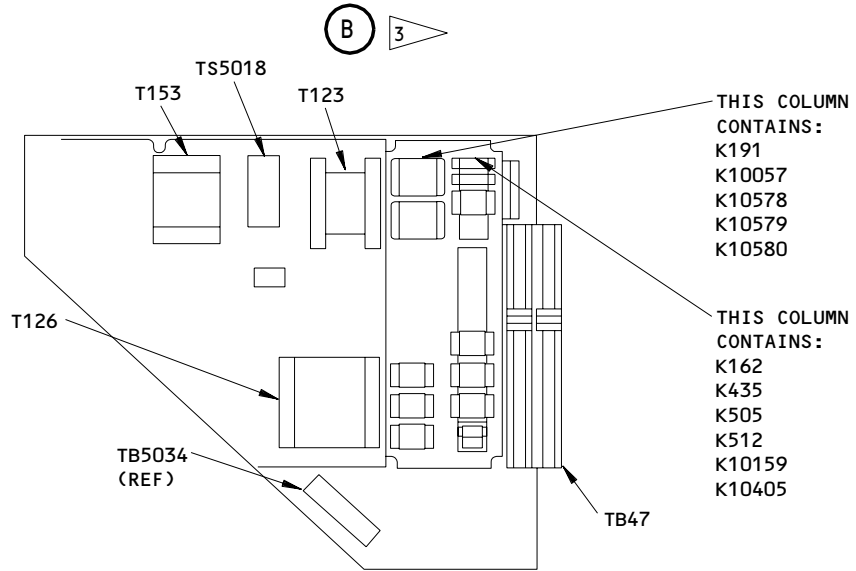
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### FAULT ISOLATION/MAINT MANUAL



THIS COLUMN CONTAINS:  
 K5  
 K162  
 K435  
 K10064  
 K10073  
 K10075  
 K10159  
 K10219  
 K10405  
 K10421  
 K10437  
 K10483  
 K10490  
 K10492  
 K10493  
 K10707

THIS COLUMN CONTAINS:  
 K10029  
 K10256  
 K10257  
 K10437  
 K10491  
 K10495  
 K10496  
 K10574  
 K10606  
 K10607  
 K10608  
 K10612  
 K10613



THIS COLUMN CONTAINS:  
 K191  
 K10057  
 K10578  
 K10579  
 K10580

THIS COLUMN CONTAINS:  
 K162  
 K435  
 K505  
 K512  
 K10159  
 K10405

- 1 AIRPLANES WITH TRANSFORMER INSTALLED
- 2 AIRPLANES WITH RELAYS INSTALLED
- 3 NOT INSTALLED ON ALL AIRPLANES

**APU/External Power Panel, P34 - Component Location (Detail from Sht 1)  
 Figure 102 (Sheet 3)**

|             |     |
|-------------|-----|
| EFFECTIVITY | ALL |
|-------------|-----|

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**BOEING**  
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FAULT ISOLATION/MAINT MANUAL

LEFT MISCELLANEOUS ELECTRICAL EQUIPMENT PANEL, P36

| COMPONENT | FIG.<br>102<br>SHT | QTY | ACCESS/AREA                | REFERENCE |
|-----------|--------------------|-----|----------------------------|-----------|
| MODULES - |                    |     | 119BL, MAIN EQUIP CTR, P36 |           |
| M500      | 2                  | 1   | (C)                        | *         |
| M963      | 2                  | 1   | (C)                        | *         |
| M10004    | 2                  | 1   | (C)                        | *         |
| M10020    | 2                  | 1   | (C)                        | *         |
| M10222    | 2                  | 1   | (C)                        | *         |
| M10334    | 2                  | 1   | (C)                        | *         |
| M10440    | 2                  | 1   | (C)                        | *         |
| M10482    | 2                  | 1   | (C)                        | *         |
| M10559    | 2                  | 1   | (C)                        | *         |
| M10560    | 2                  | 1   | (C)                        | *         |
| M10689    | 2                  | 1   | (C)                        | *         |
| M10690    | 2                  | 1   | (C)                        | *         |
| M10691    | 2                  | 1   | (C)                        | *         |
| RELAYS -  |                    |     | 119BL, MAIN EQUIP CTR, P36 |           |
| K26       | 3                  | 1   | (D)                        | *         |
| K57       | 3                  | 1   | (D)                        | *         |
| K58       | 3                  | 1   | (D)                        | *         |
| K59       | 3                  | 1   | (D)                        | *         |
| K60       | 3                  | 1   | (D)                        | *         |
| K61       | 3                  | 1   | (D)                        | *         |
| K62       | 3                  | 1   | (D)                        | *         |
| K63       | 2                  | 1   | (B)                        | *         |
| K64       | 2                  | 1   | (B)                        | *         |
| K87       | 3                  | 1   | (D)                        | *         |
| K88       | 3                  | 1   | (D)                        | *         |
| K124      | 2                  | 1   | (B)                        | *         |
| K128      | 3                  | 1   | (D)                        | *         |
| K135      | 2                  | 1   | (B)                        | *         |
| K140      | 2                  | 1   | (B)                        | *         |
| K141      | 2                  | 1   | (B)                        | *         |
| K142      | 2                  | 1   | (B)                        | *         |
| K143      | 2                  | 1   | (B)                        | *         |
| K144      | 2                  | 1   | (B)                        | *         |
| K145      | 2                  | 1   | (B)                        | *         |
| K148      | 2                  | 1   | (B)                        | *         |
| K149      | 2                  | 1   | (B)                        | *         |
| K167      | 2                  | 1   | (B)                        | *         |
| K170      | 2                  | 1   | (B)                        | *         |
| K177      | 2                  | 1   | (B)                        | *         |
| K178      | 2                  | 1   | (B)                        | *         |
| K199      | 2                  | 1   | (B)                        | *         |

\* SEE THE WDM EQUIPMENT LIST

NOTE: THE (X) BELOW THE ACCESS/AREA REFERS TO THE VIEW SHOWN ON FIG. 102. THIS HELPS YOU FIND THE COMPONENTS ON THE ILLUSTRATION. FOR EXAMPLE, (A) REFERS TO VIEW A.

Left Miscellaneous Electrical Equipment Panel, P36 - Component Index  
Figure 101 (Sheet 1)

EFFECTIVITY

ALL

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**BOEING**  
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FAULT ISOLATION/MAINT MANUAL

| COMPONENT      | FIG. 102 SHT | QTY | ACCESS/AREA                | AMM REFERENCE |
|----------------|--------------|-----|----------------------------|---------------|
| RELAY (CONT) - |              |     | 119BL, MAIN EQUIP CTR, P36 |               |
| K217           | 3            | 1   | (D)                        | *             |
| K218           | 3            | 1   | (D)                        | *             |
| K220           | 3            | 1   | (D)                        | *             |
| K343           | 2            | 1   | (B),(C)                    | *             |
| K347           | 2            | 1   | (B)                        | *             |
| K369           | 2            | 1   | (B)                        | *             |
| K419           | 2            | 1   | (B)                        | *             |
| K511           | 2            | 1   | (B)                        | *             |
| K757           | 3            | 1   | (D)                        | *             |
| K2065          | 2            | 1   | (B)                        | *             |
| K2067          | 2            | 1   | (B)                        | *             |
| K10058         | 3            | 1   | (D)                        | *             |
| K10060         | 2            | 1   | (B)                        | *             |
| K10079         | 2            | 1   | (B)                        | *             |
| K10080         | 2            | 1   | (B)                        | *             |
| K10103         | 2            | 1   | (B)                        | *             |
| K10107         | 2            | 1   | (B)                        | 32-09-00      |
| K10108         | 2            | 1   | (B)                        | 32-09-00      |
| K10124         | 3            | 1   | (D)                        | *             |
| K10126         | 3            | 1   | (D)                        | *             |
| K10167         | 2,3          | 1   | (B),(D)                    | *             |
| K10188         | 3            | 1   | (D)                        | *             |
| K10189         | 3            | 1   | (D)                        | *             |
| K10197         | 3            | 1   | (D)                        | *             |
| K10198         | 3            | 1   | (D)                        | *             |
| K10199         | 3            | 1   | (D)                        | *             |
| K10208         | 3            | 1   | (D)                        | *             |
| K10209         | 3            | 1   | (D)                        | *             |
| K10212         | 3            | 1   | (D)                        | *             |
| K10229         | 2            | 1   | (B)                        | *             |
| K10230         | 2            | 1   | (B)                        | *             |
| K10231         | 2            | 1   | (B)                        | *             |
| K10232         | 2            | 1   | (B)                        | *             |
| K10233         | 2            | 1   | (B)                        | *             |
| K10234         | 3            | 1   | (D)                        | *             |
| K10236         | 3            | 1   | (D)                        | *             |
| K10238         | 2            | 1   | (B)                        | 32-09-00      |
| K10240         | 2            | 1   | (B)                        | *             |
| K10244         | 3            | 1   | (D)                        | *             |
| K10245         | 3            | 1   | (D)                        | *             |
| K10246         | 3            | 1   | (D)                        | *             |
| K10247         | 3            | 1   | (D)                        | *             |
| K10248         | 3            | 1   | (D)                        | *             |

\* SEE THE WDM EQUIPMENT LIST

**NOTE:** THE (X) BELOW THE ACCESS/AREA REFERS TO THE VIEW SHOWN ON FIG. 102. THIS HELPS YOU FIND THE COMPONENTS ON THE ILLUSTRATION. FOR EXAMPLE, (A) REFERS TO VIEW A.

Left Miscellaneous Electrical Equipment Panel, P36 - Component Index  
Figure 101 (Sheet 2)

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| COMPONENT      | FIG.<br>102<br>SHT | QTY | ACCESS/AREA                | AMM<br>REFERENCE |
|----------------|--------------------|-----|----------------------------|------------------|
| RELAY (CONT) - |                    |     | 119BL, MAIN EQUIP CTR, P36 |                  |
| K10255         | 3                  | 1   | (D)                        | *                |
| K10282         | 3                  | 1   | (D)                        | *                |
| K10296         | 2                  | 1   | (B)                        | *                |
| K10306         | 2                  | 1   | (B)                        | 32-09-00         |
| K10307         | 2                  | 1   | (B)                        | 32-09-00         |
| K10315         | 3                  | 1   | (D)                        | *                |
| K10317         | 3                  | 1   | (D)                        | *                |
| K10319         | 2                  | 1   | (B)                        | *                |
| K10323         | 2                  | 1   | (B)                        | *                |
| K10329         | 3                  | 1   | (D)                        | 74-11-00         |
| K10334         | 3                  | 1   | (D)                        | *                |
| K10335         | 3                  | 1   | (D)                        | *                |
| K10336         | 3                  | 1   | (D)                        | *                |
| K10337         | 3                  | 1   | (D)                        | *                |
| K10340         | 3                  | 1   | (D)                        | *                |
| K10345         | 3                  | 1   | (D)                        | *                |
| K10349         | 3                  | 1   | (D)                        | *                |
| K10358         | 3                  | 1   | (D)                        | *                |
| K10360         | 3                  | 1   | (D)                        | *                |
| K10369         | 2                  | 1   | (B)                        | *                |
| K10370         | 3                  | 1   | (D)                        | *                |
| K10373         | 3                  | 1   | (D)                        | *                |
| K10374         | 3                  | 1   | (D)                        | *                |
| K10378         | 3                  | 1   | (D)                        | *                |
| K10379         | 3                  | 1   | (D)                        | *                |
| K10384         | 2                  | 1   | (B)                        | 32-09-00         |
| K10385         | 2                  | 1   | (B)                        | 32-09-00         |
| K10388         | 2                  | 1   | (B)                        | 32-09-00         |
| K10394         | 2                  | 1   | (C)                        | *                |
| K10398         | 2                  | 1   | (B)                        | *                |
| K10401         | 3                  | 1   | (D)                        | *                |
| K10404         | 3                  | 1   | (D)                        | *                |
| K10420         | 3                  | 1   | (D)                        | *                |
| K10435         | 3                  | 1   | (D)                        | *                |
| K10442         | 3                  | 1   | (D)                        | *                |
| K10443         | 3                  | 1   | (D)                        | *                |
| K10446         | 2                  | 1   | (B)                        | *                |
| K10453         | 3                  | 1   | (D)                        | *                |
| K10460         | 3                  | 1   | (D)                        | *                |
| K10462         | 3                  | 1   | (D)                        | *                |
| K10463         | 3                  | 1   | (D)                        | *                |
| K10465         | 3                  | 1   | (D)                        | *                |
| K10466         | 3                  | 1   | (D)                        | *                |
| K10467         | 3                  | 1   | (D)                        | *                |

\* SEE THE WDM EQUIPMENT LIST

NOTE: THE (X) BELOW THE ACCESS/AREA REFERS TO THE VIEW SHOWN ON FIG. 102. THIS HELPS YOU FIND THE COMPONENTS ON THE ILLUSTRATION. FOR EXAMPLE, (A) REFERS TO VIEW A.

Left Miscellaneous Electrical Equipment Panel, P36 - Component Index  
 Figure 101 (Sheet 3)

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| COMPONENT      | FIG.<br>102<br>SHT | QTY | ACCESS/AREA                | AMM<br>REFERENCE |
|----------------|--------------------|-----|----------------------------|------------------|
| RELAY (CONT) - |                    |     | 119BL, MAIN EQUIP CTR, P36 |                  |
| K10468         | 3                  | 1   | (D)                        | *                |
| K10478         | 3                  | 1   | (D)                        | *                |
| K10484         | 2                  | 1   | (B)                        | *                |
| K10497         | 2                  | 1   | (B)                        | *                |
| K10505         | 2                  | 1   | (B)                        | *                |
| K10506         | 3                  | 1   | (D)                        | *                |
| K10507         | 2                  | 1   | (B)                        | *                |
| K10509         | 3                  | 1   | (D)                        | *                |
| K10511         | 3                  | 1   | (D)                        | *                |
| K10513         | 2                  | 1   | (B)                        | *                |
| K10519         | 3                  | 1   | (D)                        | *                |
| K10520         | 3                  | 1   | (D)                        | *                |
| K10523         | 3                  | 1   | (D)                        | *                |
| K10525         | 3                  | 1   | (D)                        | *                |
| K10526         | 3                  | 1   | (D)                        | *                |
| K10527         | 3                  | 1   | (D)                        | *                |
| K10528         | 2                  | 1   | (B)                        | *                |
| K10529         | 2                  | 1   | (B)                        | *                |
| K10541         | 3                  | 1   | (D)                        | *                |
| K10542         | 3                  | 1   | (F)                        | *                |
| K10550         | 3                  | 1   | (D)                        | *                |
| K10554         | 3                  | 1   | (D)                        | *                |
| K10556         | 2                  | 1   | (B)                        | *                |
| K10559         | 3                  | 1   | (D)                        | *                |
| K10569         | 3                  | 1   | (D)                        | *                |
| K10583         | 2                  | 1   | (B)                        | *                |
| K10587         | 3                  | 1   | (D)                        | *                |
| K10591         | 3                  | 1   | (D)                        | *                |
| K10593         | 3                  | 1   | (D)                        | *                |
| K10599         | 3                  | 1   | (D)                        | *                |
| K10600         | 3                  | 1   | (D)                        | *                |
| K10601         | 2                  | 1   | (B)                        | *                |
| K10614         | 3                  | 1   | (D)                        | *                |
| K10637         | 3                  | 1   | (D)                        | *                |
| K10639         | 2,3                | 1   | (B),(D)                    | *                |
| K10645         | 3                  | 1   | (D)                        | *                |
| K10805         | 2                  | 1   | (C)                        | *                |
| K10825         | 2                  | 1   | (C)                        | *                |

\* SEE THE WDM EQUIPMENT LIST

NOTE: THE (X) BELOW THE ACCESS/AREA REFERS TO THE VIEW SHOWN ON FIG. 102. THIS HELPS YOU FIND THE COMPONENTS ON THE ILLUSTRATION. FOR EXAMPLE, (A) REFERS TO VIEW A.

Left Miscellaneous Electrical Equipment Panel, P36 - Component Index  
Figure 101 (Sheet 4)

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| COMPONENT         | FIG.<br>102<br>SHT | QTY | ACCESS/AREA                | AMM<br>REFERENCE |
|-------------------|--------------------|-----|----------------------------|------------------|
| RELAY (CONT) -    |                    |     | 119BL, MAIN EQUIP CTR, P36 |                  |
| K10675            | 3                  | 1   | (D)                        | *                |
| K10682            | 3                  | 1   | (D)                        | *                |
| K10691            | 2                  | 1   | (B)                        | *                |
| K10695            | 3                  | 1   | (D)                        | *                |
| K10696            | 3                  | 1   | (D)                        | *                |
| K10708            | 2                  | 1   | (B)                        | *                |
| K10712            | 2                  | 1   | (B)                        | *                |
| K10716            | 2                  | 1   | (B)                        | *                |
| K10725            | 2                  | 1   | (B)                        | *                |
| K10730            | 3                  | 1   | (D)                        | *                |
| K10856            | 2                  | 1   | (B)                        | *                |
| K10611            | 3                  | 1   | (D)                        | *                |
| SENSOR, CURRENT - |                    |     | 119BL, MAIN EQUIP CTR, P36 |                  |
| TS102             | 2                  | 1   | (B)                        | *                |
| TS246             | 2                  | 1   | (B)                        | *                |
| TS5084            | 3                  | 1   | (D)                        | *                |
| TS5136            | 2                  | 1   | (B)                        | *                |
| SWITCH -          |                    |     | 119BL, MAIN EQUIP CTR, P36 |                  |
| S431              | 2                  | 1   | (C)                        | *                |
| S10553            | 2                  | 1   | (C)                        | *                |
| TERMINAL BLOCK -  |                    |     | 119BL, MAIN EQUIP CTR, P36 |                  |
| TB160             | 2                  | 1   | (B)                        | *                |
| TB161             | 2                  |     | (B)                        | *                |
| TB163             | 3                  |     | (D)                        | *                |
| TB164             | 2                  |     | (C)                        | *                |
| TB165             | 3                  |     | (D)                        | *                |
| TB166             | 3                  |     | (D)                        | *                |
| TB168             | 2                  |     | (C)                        | *                |
| TB360             | 2                  |     | (C)                        | *                |
| TB361             | 2                  |     | (C)                        | *                |
| TB362             | 2                  |     | (C)                        | *                |
| TRANSFORMER -     |                    |     | 119BL, MAIN EQUIP CTR, P36 |                  |
| T139              | 2                  | 1   | (C)                        | *                |
| T10031            | 2                  | 1   | (C)                        | *                |
| T10058            | 2                  | 1   | (C)                        | *                |
| T10059            | 2                  | 1   | (C)                        | *                |

\* SEE THE WDM EQUIPMENT LIST

NOTE: THE (X) BELOW THE ACCESS/AREA REFERS TO THE VIEW SHOWN ON FIG. 102. THIS HELPS YOU FIND THE COMPONENTS ON THE ILLUSTRATION. FOR EXAMPLE, (A) REFERS TO VIEW A.

Left Miscellaneous Electrical Equipment Panel, P36 - Component Index  
 Figure 101 (Sheet 5)

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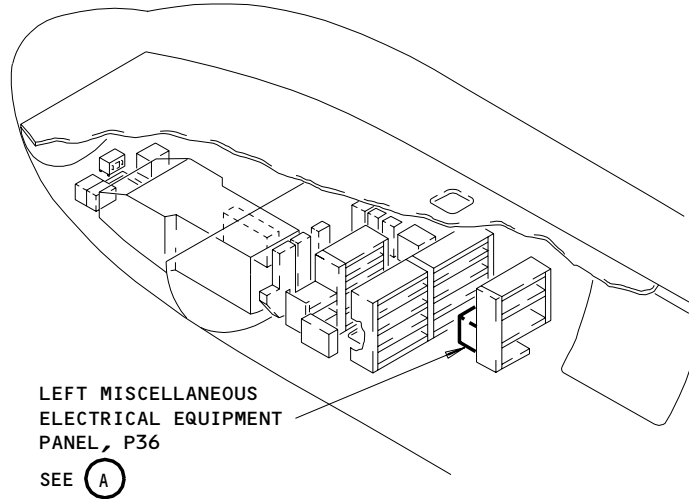
ALL

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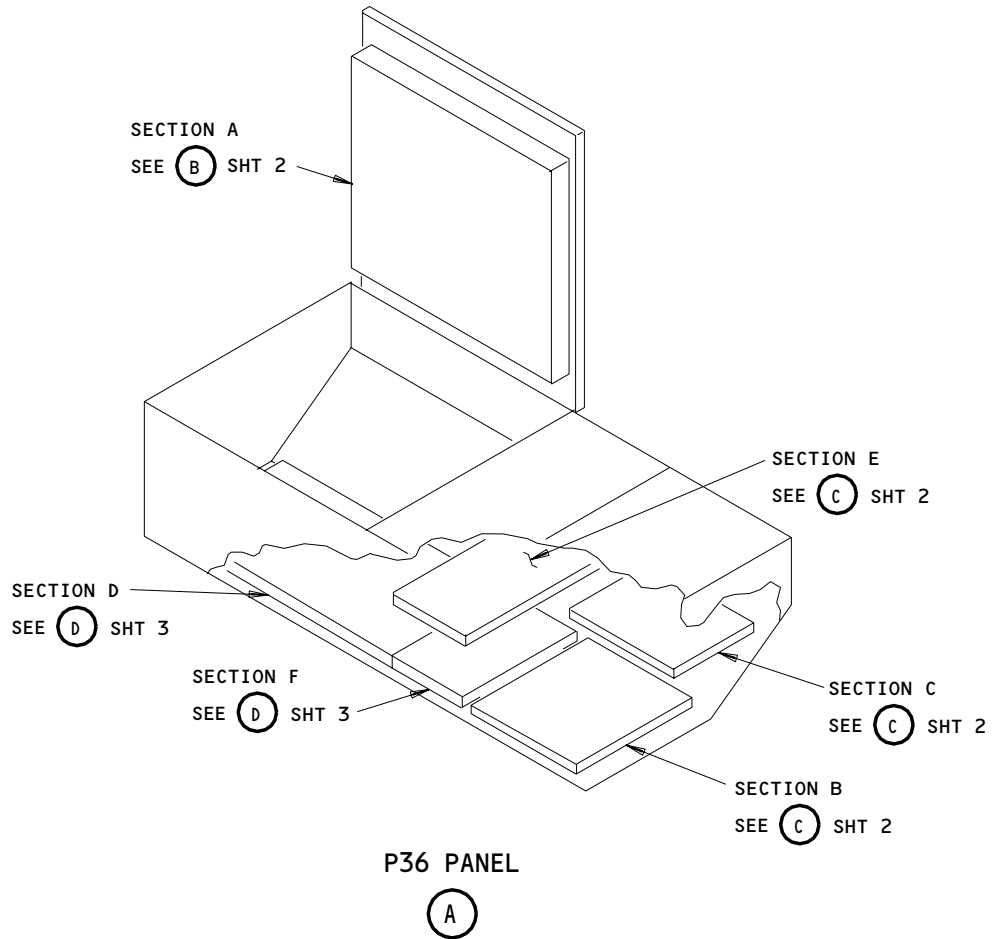
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**MAIN EQUIPMENT CENTER**



Left Miscellaneous Electrical Equipment Panel, P36 - Component Location  
Figure 102 (Sheet 1)

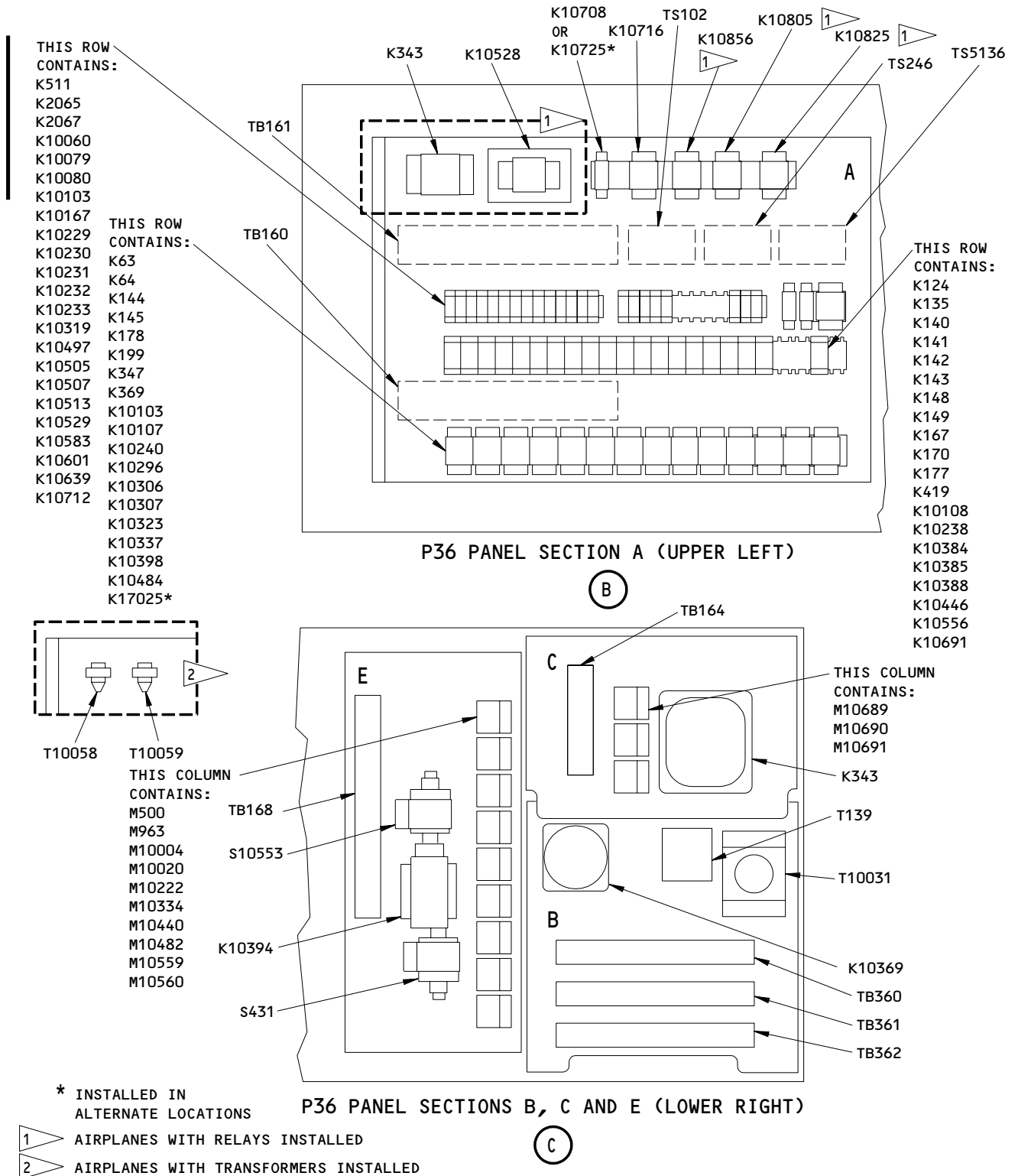
|             |     |
|-------------|-----|
| EFFECTIVITY |     |
|             | ALL |

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Left Miscellaneous Electrical Equipment Panel, P36 - Component Location  
 Figure 102 (Sheet 2)

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THIS ROW  
CONTAINS:  
K87  
K88  
K10197  
K10198  
K10208  
K10212  
K10245  
K10247  
K10248  
K10315  
K10334  
K10336  
K10401  
K10435  
K10506  
K10587  
K10591  
K10593  
K10639

THIS ROW  
CONTAINS:  
K10124  
K10209  
K10244  
K10370

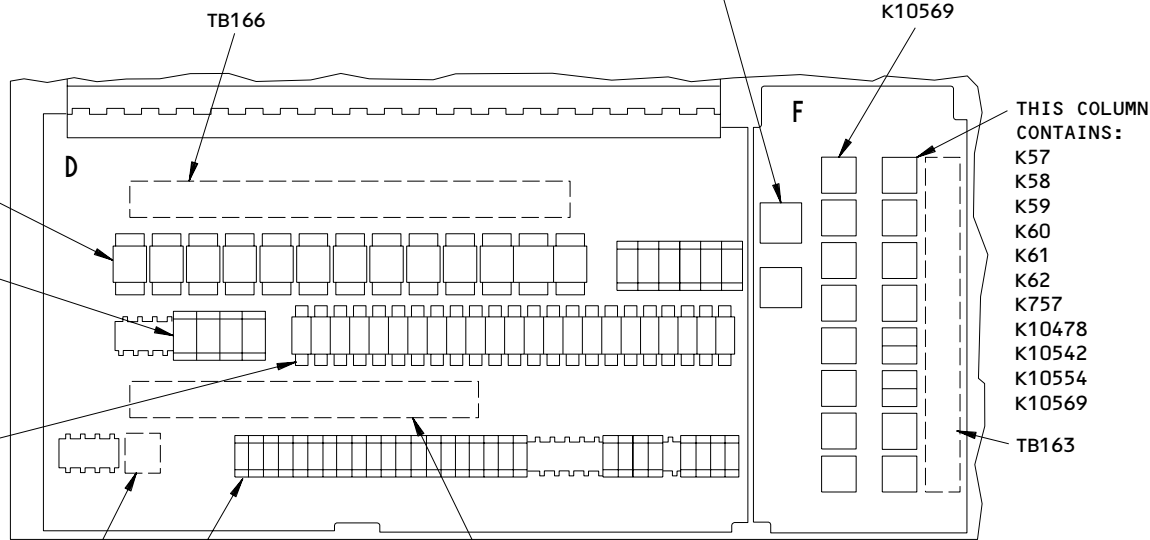
THIS ROW  
CONTAINS:  
K26  
K128  
K217  
K218  
K10058  
K10167  
K10188  
K10189  
K10199  
K10246  
K10255  
K10329  
K10340  
K10374  
K10404  
K10442  
K10443  
K10460  
K10465  
K10466  
K10525  
K10526  
K10527  
K10541  
K10550  
K10559  
K10600  
K10675

THIS ROW  
CONTAINS:  
K220  
K10124  
K10126  
K10234  
K10236  
K10282  
K10317  
K10335  
K10349  
K10358  
K10373  
K10420  
K10443  
K10465  
K10466  
K10509  
K10519  
K10520  
K10523  
K10645  
K10682  
K10695  
K10696  
K10730  
K10611

THIS COLUMN  
CONTAINS:  
K10506  
K10511

THIS COLUMN  
CONTAINS:  
K10360  
K10378  
K10379  
K10453  
K10462  
K10463  
K10467  
K10468  
K10569

THIS COLUMN  
CONTAINS:  
K57  
K58  
K59  
K60  
K61  
K62  
K757  
K10478  
K10542  
K10554  
K10569



P36 PANEL SECTIONS D AND F  
(LOWER LEFT)

D

Left Miscellaneous Electrical Equipment Panel, P36 - Component Location  
Figure 102 (Sheet 3)

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RIGHT MISCELLANEOUS ELECTRICAL EQUIPMENT PANEL, P37

| COMPONENT | FIG.<br>102<br>SHT | QTY | ACCESS/AREA                | REFERENCE |
|-----------|--------------------|-----|----------------------------|-----------|
| MODULE -  |                    |     | 119BL, MAIN EQUIP CTR, P37 |           |
| M10010    | 3                  | 1   | (F)                        | *         |
| M10223    | 3                  | 1   | (F)                        | *         |
| M10335    | 3                  | 1   | (F)                        | *         |
| M10439    | 3                  | 1   | (F)                        | *         |
| M10479    | 3                  | 1   | (E)                        | *         |
| M10688    | 3                  | 1   | (E)                        | *         |
| M10736    | 3                  | 1   | (E)                        | *         |
| M10737    | 3                  | 1   | (E)                        | *         |
| RELAY -   |                    |     | 119BL, MAIN EQUIP CTR, P37 |           |
| K4        | 3                  | 1   | (E)                        | *         |
| K6        | 3                  | 1   | (E)                        | *         |
| K7        | 3                  | 1   | (E)                        | *         |
| K8        | 3                  | 1   | (E)                        | *         |
| K15       | 2                  | 1   | (D)                        | *         |
| K21       | 3                  | 1   | (E)                        | *         |
| K22       | 3                  | 1   | (E)                        | *         |
| K23       | 3                  | 1   | (E)                        | *         |
| K24       | 3                  | 1   | (E)                        | *         |
| K25       | 3                  | 1   | (E)                        | *         |
| K27       | 3                  | 1   | (F)                        | *         |
| K42       | 3                  | 1   | (E)                        | *         |
| K49       | 2                  | 1   | (D)                        | *         |
| K50       | 2                  | 1   | (D)                        | *         |
| K51       | 2                  | 1   | (D)                        | *         |
| K52       | 2                  | 1   | (D)                        | *         |
| K53       | 2                  | 1   | (D)                        | *         |
| K54       | 2                  | 1   | (D)                        | *         |
| K55       | 2                  | 1   | (D)                        | *         |
| K56       | 2                  | 1   | (D)                        | *         |
| K102      | 2                  | 1   | (B)                        | *         |
| K120      | 2                  | 1   | (B)                        | *         |
| K188      | 3                  | 1   | (E)                        | *         |
| K189      | 3                  | 1   | (E)                        | *         |
| K200      | 2                  | 1   | (D)                        | *         |
| K201      | 2                  | 1   | (D)                        | *         |
| K202      | 2                  | 1   | (D)                        | *         |
| K203      | 2                  | 1   | (D)                        | *         |
| K204      | 2                  | 1   | (D)                        | *         |
| K205      | 2                  | 1   | (D)                        | *         |
| K206      | 2                  | 1   | (D)                        | *         |
| K207      | 2                  | 1   | (D)                        | *         |
| K208      | 2                  | 1   | (D)                        | *         |
| K209      | 2                  | 1   | (D)                        | *         |
| K211      | 2                  | 1   | (D)                        | *         |
| K213      | 2                  | 1   | (D)                        | *         |
| K214      | 2                  | 1   | (D)                        | *         |
| K215      | 2                  | 1   | (D)                        | *         |

\* SEE THE WDM EQUIPMENT LIST

NOTE: THE (X) BELOW THE ACCESS/AREA REFERS TO THE VIEW SHOWN ON FIG. 102. THIS HELPS YOU FIND THE COMPONENTS ON THE ILLUSTRATION. FOR EXAMPLE, (A) REFERS TO VIEW A.

Right Miscellaneous Electrical Equipment Panel, P37 - Component Index  
Figure 101 (Sheet 1)

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| COMPONENT      | FIG.<br>102<br>SHT | QTY | ACCESS/AREA                | AMM<br>REFERENCE |
|----------------|--------------------|-----|----------------------------|------------------|
| RELAY (CONT) - |                    |     | 119BL, MAIN EQUIP CTR, P37 |                  |
| K219           | 2                  | 1   | (D)                        | *                |
| K238           | 2                  | 1   | (D)                        | *                |
| K239           | 2                  | 1   | (D)                        | *                |
| K240           | 2                  | 1   | (D)                        | *                |
| K263           | 2                  | 1   | (D)                        | *                |
| K310           | 3                  | 1   | (E)                        | *                |
| K312           | 3                  | 1   | (E)                        | *                |
| K334           | 2                  | 1   | (B)                        | *                |
| K344           | 3                  | 1   | (E)                        | *                |
| K346           | 2                  | 1   | (D)                        | *                |
| K375           | 2                  | 1   | (D)                        | *                |
| K400           | 2                  | 1   | (D)                        | *                |
| K410           | 2                  | 1   | (D)                        | *                |
| K416           | 2,3                | 1   | (B),(E)                    | *                |
| K510           | 2                  | 1   | (D)                        | *                |
| K550           | 3                  | 1   | (E)                        | *                |
| K554           | 2                  | 1   | (D)                        | *                |
| K758           | 2                  | 1   | (D)                        | *                |
| K2066          | 3                  | 1   | (E),(F)                    |                  |
| K2068          | 3                  | 1   | (E),(F)                    |                  |
| K2069          | 3                  | 1   | (E),(F)                    |                  |
| K10012         | 3                  | 1   | (E)                        | *                |
| K10038         | 3                  | 1   | (E)                        | *                |
| K10062         | 2                  | 1   | (D)                        | *                |
| K10063         | 2                  | 1   | (D)                        | *                |
| K10084         | 3                  | 1   | (E)                        | *                |
| K10086         | 2                  | 1   | (D)                        | *                |
| K10102         | 3                  | 1   | (E),(F)                    | *                |
| K10109         | 3                  | 1   | (E)                        | *                |
| K10125         | 3                  | 1   | (F)                        | *                |
| K10127         | 3                  | 1   | (F)                        | *                |
| K10136         | 3                  | 1   | (E)                        | *                |
| K10164         | 3                  | 1   | (E)                        | *                |
| K10166         | 2                  | 1   | (D)                        | *                |
| K10168         | 3                  | 1   | (E)                        | *                |
| K10192         | 3                  | 1   | (C)                        | *                |
| K10196         | 2                  | 1   | (D)                        | *                |
| K10201         | 2                  | 1   | (D)                        | *                |
| K10202         | 2                  | 1   | (D)                        | *                |
| K10203         | 2                  | 1   | (D)                        | *                |
| K10204         | 2                  | 1   | (D)                        | *                |
| K10205         | 2                  | 1   | (D)                        | *                |
| K10206         | 2                  | 1   | (D)                        | *                |
| K10220         | 3                  | 1   | (F)                        | *                |
| K10221         | 3                  | 1   | (F)                        | *                |
| K10224         | 3                  | 1   | (F)                        | *                |
| K10235         | 3                  | 1   | (F)                        | *                |
| K10237         | 3                  | 1   | (F)                        | *                |
| K10239         | 2                  | 1   | (D)                        | *                |

\* SEE THE WDM EQUIPMENT LIST

NOTE: THE (X) BELOW THE ACCESS/AREA REFERS TO THE VIEW SHOWN ON FIG. 102. THIS HELPS YOU FIND THE COMPONENTS ON THE ILLUSTRATION. FOR EXAMPLE, (A) REFERS TO VIEW A.

Right Miscellaneous Electrical Equipment Panel, P37 - Component Index  
 Figure 101 (Sheet 2)

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| COMPONENT       | FIG.<br>102<br>SHT | QTY | ACCESS/AREA                | REFERENCE |
|-----------------|--------------------|-----|----------------------------|-----------|
| RELAYS (CONT) - |                    |     | 119BL, MAIN EQUIP CTR, P37 |           |
| K10250          | 3                  | 1   | (F)                        | *         |
| K10251          | 3                  | 1   | (F)                        | *         |
| K10258          | 2                  | 1   | (D)                        | *         |
| K10264          | 2                  | 1   | (D)                        | *         |
| K10266          | 2                  | 1   | (D)                        | *         |
| K10267          | 2                  | 1   | (D)                        | *         |
| K10277          | 3                  | 1   | (E)                        | *         |
| K10280          | 3                  | 1   | (E)                        | *         |
| K10281          | 3                  | 1   | (E)                        | *         |
| K10293          | 2                  | 1   | (D)                        | *         |
| K10294          | 2                  | 1   | (D)                        | *         |
| K10298          | 2                  | 1   | (B)                        | *         |
| K10308          | 2                  | 1   | (D)                        | *         |
| K10309          | 2                  | 1   | (D)                        | *         |
| K10311          | 2                  | 1   | (D)                        | *         |
| K10312          | 2                  | 1   | (D)                        | *         |
| K10313          | 2                  | 1   | (D)                        | *         |
| K10316          | 2                  | 1   | (D)                        | *         |
| K10318          | 2                  | 1   | (D)                        | *         |
| K10322          | 2                  | 1   | (D)                        | *         |
| K10324          | 2                  | 1   | (D)                        | *         |
| K10331          | 3                  | 1   | (F)                        | *         |
| K10338          | 3                  | 1   | (F)                        | *         |
| K10339          | 3                  | 1   | (F)                        | *         |
| K10341          | 3                  | 1   | (F)                        | *         |
| K10342          | 3                  | 1   | (F)                        | *         |
| K10348          | 3                  | 1   | (F)                        | *         |
| K10359          | 3                  | 1   | (F)                        | *         |
| K10362          | 2                  | 1   | (D)                        | *         |
| K10363          | 2                  | 1   | (D)                        | *         |
| K10364          | 2                  | 1   | (D)                        | *         |
| K10386          | 2                  | 1   | (D)                        | *         |
| K10387          | 2                  | 1   | (D)                        | *         |
| K10391          | 3                  | 1   | (E)                        | *         |
| K10395          | 2                  | 1   | (C)                        | *         |
| K10399          | 3                  | 1   | (F)                        | *         |
| K10402          | 3                  | 1   | (F)                        | *         |
| K10403          | 3                  | 1   | (E)                        | *         |
| K10426          | 2                  | 1   | (D)                        | *         |
| K10432          | 2                  | 1   | (D)                        | *         |
| K10436          | 2                  | 1   | (D)                        | *         |
| K10444          | 3                  | 1   | (E)                        | *         |
| K10448          | 2                  | 1   | (D)                        | *         |
| K10454          | 2                  | 1   | (D)                        | *         |
| K10461          | 2                  | 1   | (D)                        | *         |

\* SEE THE WDM EQUIPMENT LIST

**NOTE:** THE (X) BELOW THE ACCESS/AREA REFERS TO THE VIEW SHOWN ON FIG. 102. THIS HELPS YOU FIND THE COMPONENTS ON THE ILLUSTRATION. FOR EXAMPLE, (A) REFERS TO VIEW A.

Right Miscellaneous Electrical Equipment Panel, P37 - Component Index  
 Figure 101 (Sheet 3)

EFFECTIVITY

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| COMPONENT      | FIG.<br>102<br>SHT | QTY | ACCESS/AREA                | AMM<br>REFERENCE |
|----------------|--------------------|-----|----------------------------|------------------|
| RELAY (CONT) - |                    |     | 119BL, MAIN EQUIP CTR, P37 |                  |
| K10462         | 2                  | 1   | (D)                        | *                |
| K10470         | 2                  | 1   | (D)                        | *                |
| K10471         | 2                  | 1   | (D)                        | *                |
| K10472         | 2                  | 1   | (D)                        | *                |
| K10473         | 2                  | 1   | (D)                        | *                |
| K10474         | 2                  | 1   | (D)                        | *                |
| K10475         | 2                  | 1   | (D)                        | *                |
| K10479         | 3                  | 1   | (F)                        | *                |
| K10482         | 2                  | 1   | (D)                        | *                |
| K10485         | 3                  | 1   | (F)                        | *                |
| K10504         | 3                  | 1   | (E)                        | *                |
| K10521         | 3                  | 1   | (E)                        | *                |
| K10522         | 3                  | 1   | (E)                        | *                |
| K10524         | 2                  | 1   | (D)                        | *                |
| K10530         | 3                  | 1   | (E)                        | *                |
| K10531         | 3                  | 1   | (E)                        | *                |
| K10543         | 3                  | 1   | (E)                        | *                |
| K10544         | 3                  | 1   | (E)                        | *                |
| K10549         | 3                  | 1   | (F)                        | *                |
| K10555         | 3                  | 1   | (E)                        | *                |
| K10570         | 2                  | 1   | (D)                        | *                |
| K10575         | 2                  | 1   | (D)                        | *                |
| K10582         | 3                  | 1   | (E)                        | *                |
| K10584         | 3                  | 1   | (E)                        | *                |
| K10585         | 3                  | 1   | (E)                        | *                |
| K10586         | 3                  | 1   | (E)                        | *                |
| K10598         | 3                  | 1   | (E)                        | *                |
| K10602         | 3                  | 1   | (F)                        | *                |
| K10615         | 3                  | 1   | (F)                        | *                |
| K10631         | 3                  | 1   | (E)                        | *                |
| K10642         | 2                  | 1   | (D)                        | *                |
| K10646         | 2                  | 1   | (D)                        | *                |
| K10647         | 2                  | 1   | (D)                        | *                |
| K10648         | 2                  | 1   | (D)                        | *                |
| K10649         | 3                  | 1   | (E)                        | *                |
| K10676         | 3                  | 1   | (E)                        | *                |
| K10677         | 3                  | 1   | (E)                        | *                |
| K10681         | 2                  | 1   | (D)                        | *                |
| K10683         | 2                  | 1   | (D)                        | *                |
| K10688         | 2                  | 1   | (D)                        | *                |
| K10689         | 2                  | 1   | (D)                        | *                |
| K10694         | 2                  | 1   | (D)                        | *                |
| K10699         | 3                  | 1   | (F)                        | *                |
| K10700         | 3                  | 1   | (F)                        | *                |
| K10701         | 3                  | 1   | (F)                        | *                |
| K10709         | 2                  | 1   | (D)                        | *                |
| K10713         | 2                  | 1   | (D)                        | *                |
| K10717         | 2                  | 1   | (D)                        | *                |
| K10718         | 2                  | 1   | (D)                        | *                |
| K10723         | 2                  | 1   | (D)                        | *                |

\* SEE THE WDM EQUIPMENT LIST

NOTE: THE (X) BELOW THE ACCESS/AREA REFERS TO THE VIEW SHOWN ON FIG. 102. THIS HELPS YOU FIND THE COMPONENTS ON THE ILLUSTRATION. FOR EXAMPLE, (A) REFERS TO VIEW A.

Right Miscellaneous Electrical Equipment Panel, P37 - Component Index  
Figure 101 (Sheet 4)

EFFECTIVITY

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| COMPONENT          | FIG.<br>102<br>SHT | QTY | ACCESS/AREA                | AMM<br>REFERENCE |
|--------------------|--------------------|-----|----------------------------|------------------|
| RELAY (CONT) -     |                    |     |                            |                  |
| K10724             | 2                  | 1   | (D)                        | *                |
| K10726             | 2                  | 1   | (D)                        | *                |
| K10731             | 3                  | 1   | (E)                        | *                |
| K10735             | 3                  | 1   | (E)                        | *                |
| K10781             | 3                  | 1   | (E)                        | *                |
| K10799             | 3                  | 1   | (E)                        | *                |
| K10801             | 3                  | 1   | (E)                        | *                |
| K10807             | 3                  | 1   | (E)                        | *                |
| K10813             | 3                  | 1   | (E)                        | *                |
| K10816             | 3                  | 1   | (E)                        | *                |
| K10818             | 3                  | 1   | (E)                        | *                |
| K10829             | 3                  | 1   | (E)                        | *                |
| K10857             | 3                  | 1   | (E)                        | *                |
| SENSORS, CURRENT - |                    |     | 119BL, MAIN EQUIP CTR, P37 |                  |
| TS103              | 3                  | 1   | (E)                        | *                |
| TS193              | 2                  | 1   | (E)                        | *                |
| TS245              | 2                  | 1   | (D)                        | *                |
| TS5044             | 3                  | 1   | (E)                        | *                |
| TS5137             | 2                  | 1   | (D)                        | *                |
| SWITCH -           |                    |     | 119BL, MAIN EQUIP CTR, P37 |                  |
| S119               | 2                  | 1   | (C)                        | *                |
| TERMINAL BLOCKS -  |                    |     | 119BL, MAIN EQUIP CTR, P37 |                  |
| TB170              | 2                  | 1   | (D)                        | *                |
| TB171              | 2                  | 1   | (D)                        | *                |
| TB172              | 3                  | 1   | (E)                        | *                |
| TB173              | 3                  | 1   | (E)                        | *                |
| TB174              | 3                  | 1   | (F)                        | *                |
| TB179              | 2                  | 1   | (D)                        | *                |
| TB180              | 2                  | 1   | (D)                        | *                |
| TRANSFORMERS -     |                    |     | 119BL, MAIN EQUIP CTR, P37 |                  |
| T126               | 2                  | 1   | (B)                        | *                |
| T140               | 2                  | 1   | (C)                        | *                |
| T147               | 2                  | 1   | (B)                        | *                |

\* SEE THE WDM EQUIPMENT LIST

NOTE: THE (X) BELOW THE ACCESS/AREA REFERS TO THE VIEW SHOWN ON FIG. 102. THIS HELPS YOU FIND THE COMPONENTS ON THE ILLUSTRATION. FOR EXAMPLE, (A) REFERS TO VIEW A.

Right Miscellaneous Electrical Equipment Panel, P37 - Component Index  
 Figure 101 (Sheet 5)

EFFECTIVITY

ALL

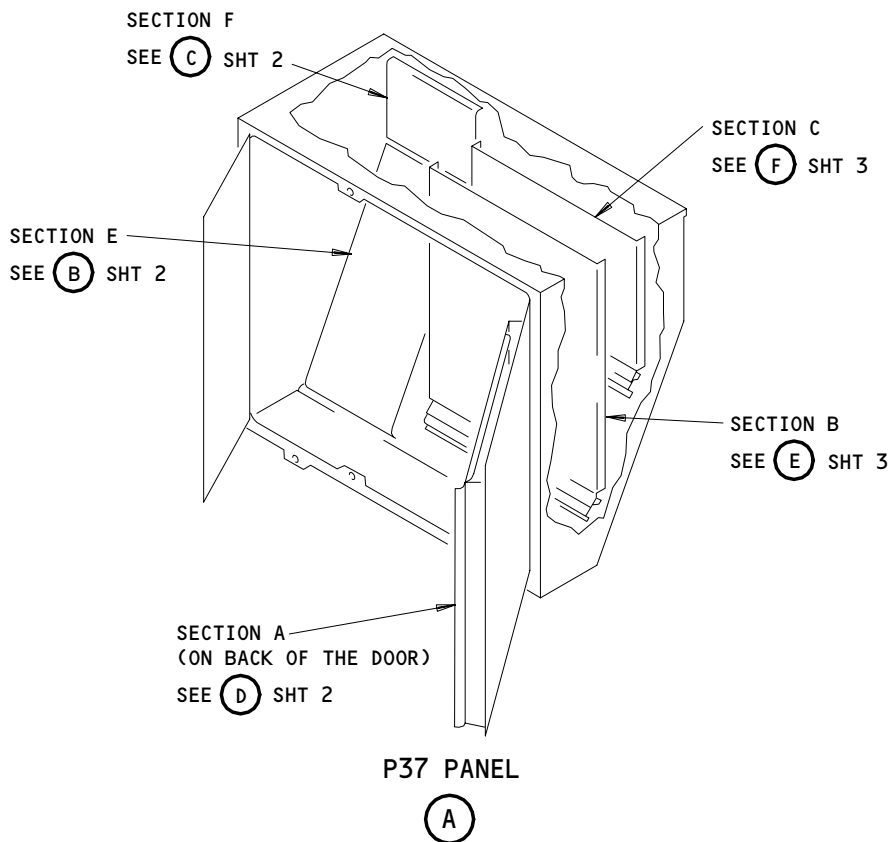
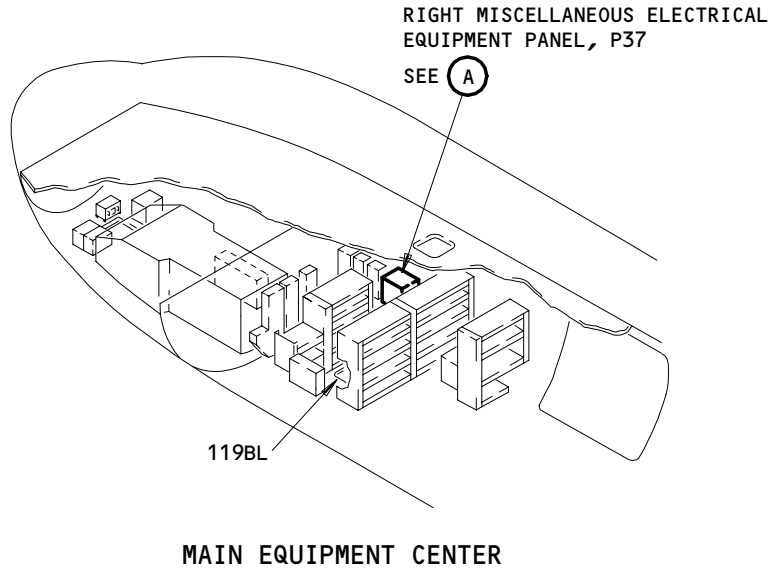
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Right Miscellaneous Electrical Equipment Panel, P37 - Component Location  
Figure 102 (Sheet 1)

|             |  |
|-------------|--|
| EFFECTIVITY |  |
| ALL         |  |

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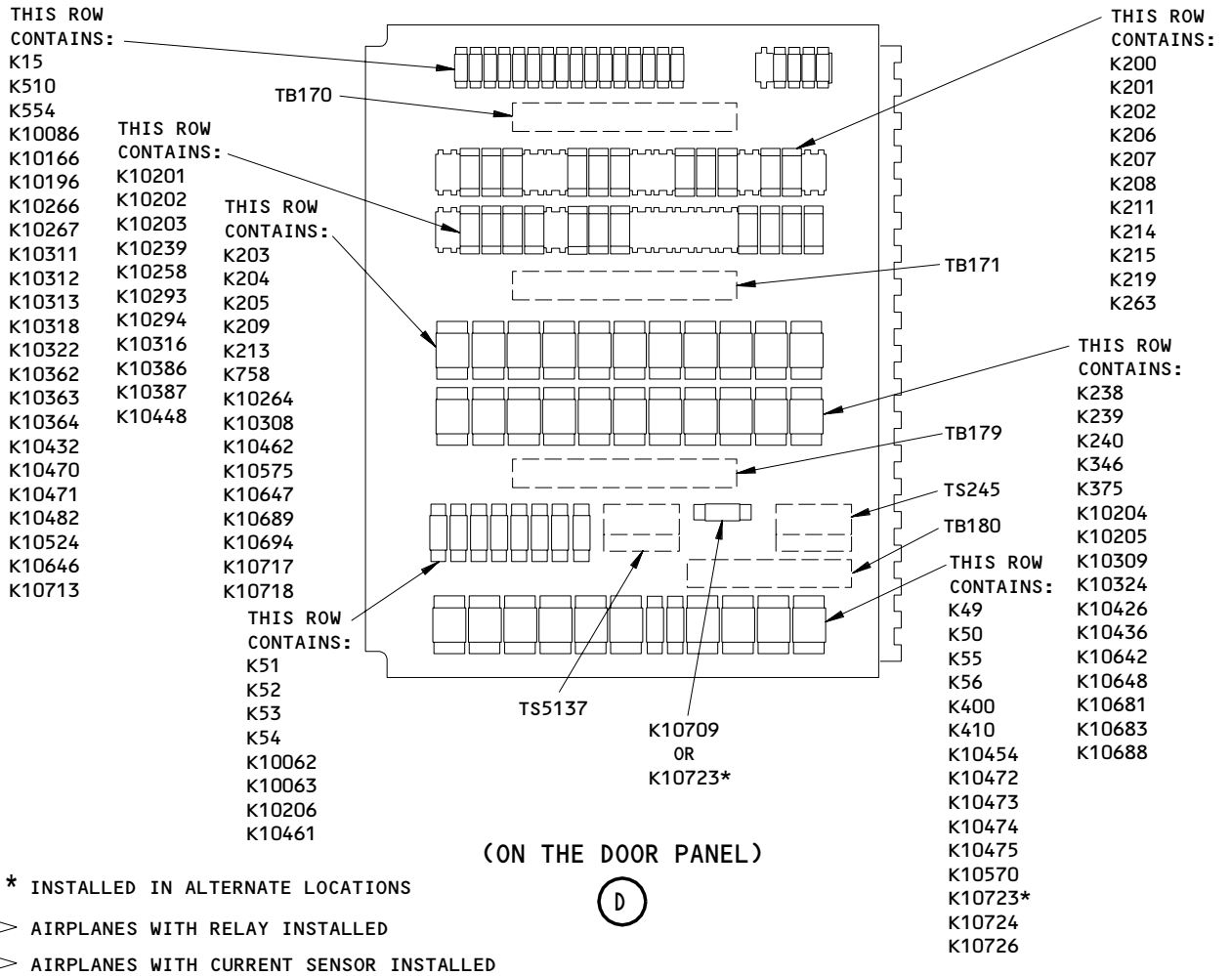
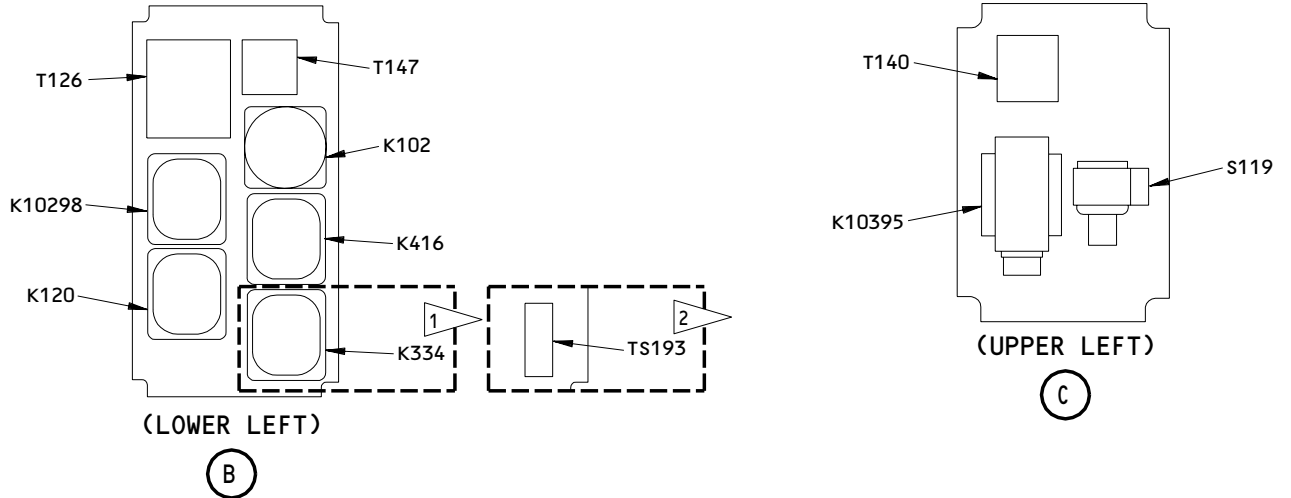
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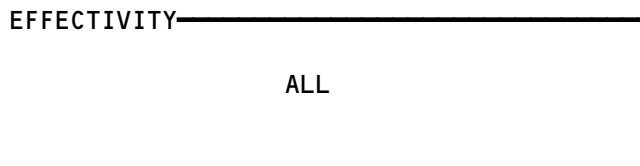
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### FAULT ISOLATION/MAINT MANUAL



**Right Miscellaneous Electrical Equipment Panel, P37 - Component Location**  
 (Details from Sht 1)  
 Figure 102 (Sheet 2)

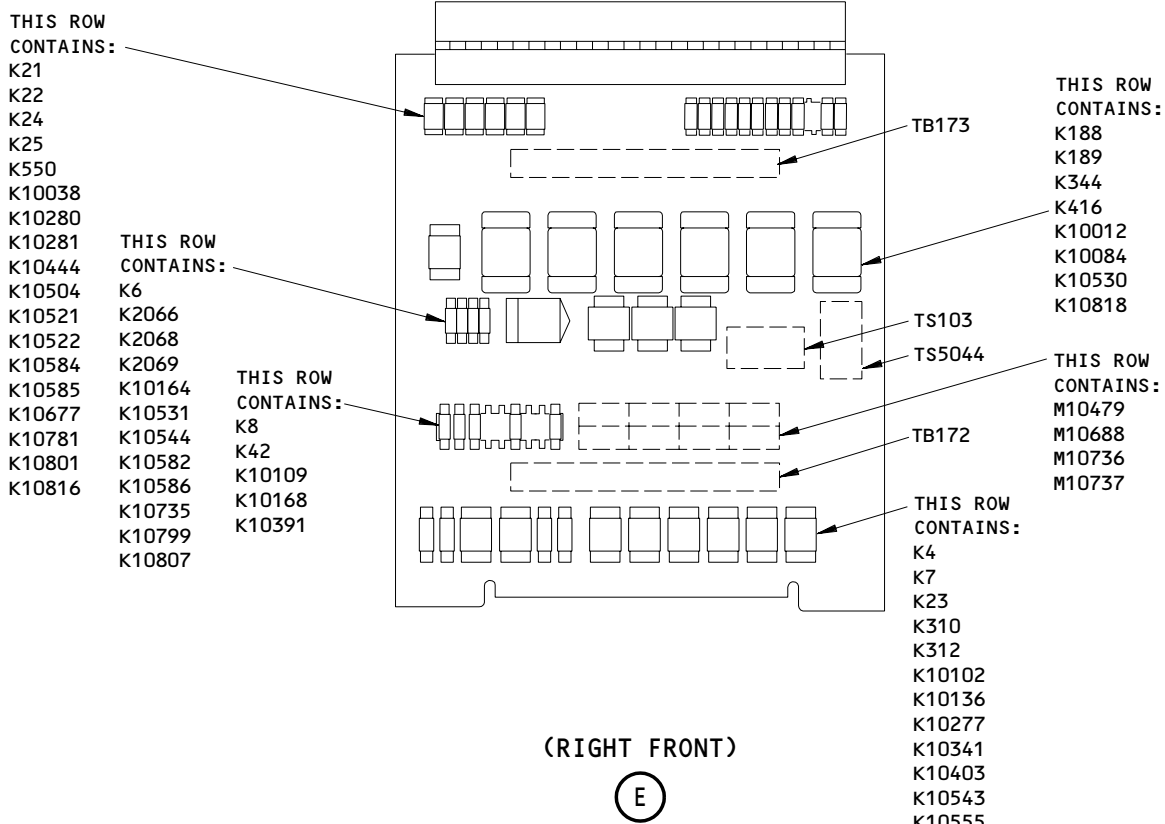


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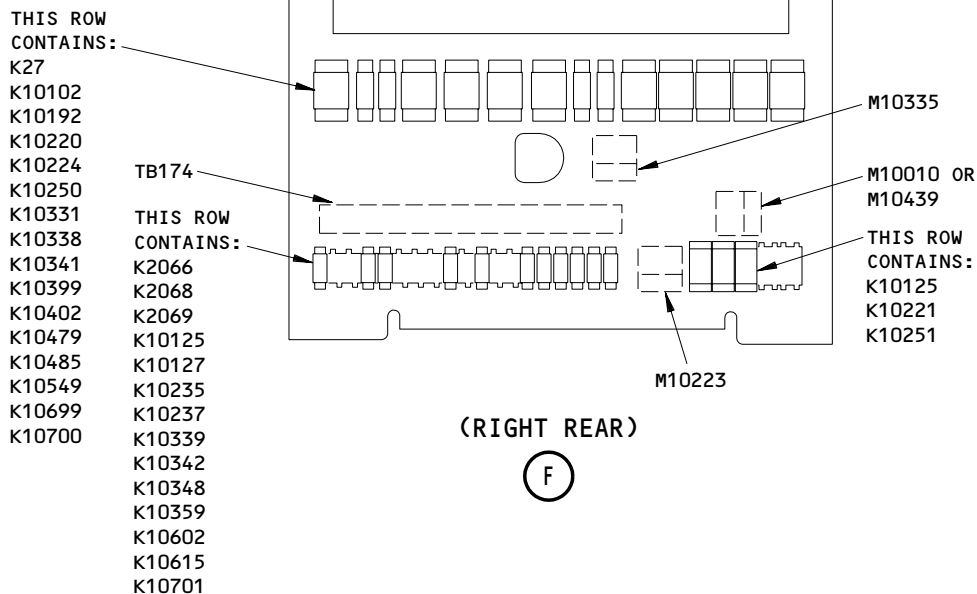
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### FAULT ISOLATION/MAINT MANUAL



(RIGHT FRONT)

(E)



(RIGHT REAR)

(F)

Right Miscellaneous Electrical Equipment Panel, P37 - Component Location  
Figure 102 (Sheet 3)

EFFECTIVITY

ALL

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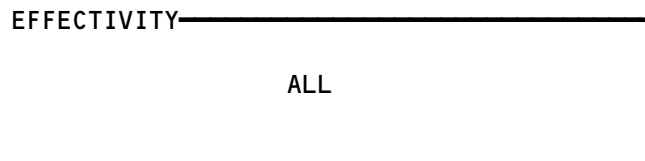
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 FAULT ISOLATION/MAINT MANUAL

MISCELLANEOUS ELECTRICAL EQUIPMENT PANEL, P65

| COMPONENT   | FIG.<br>102<br>SHT | QTY   | ACCESS/AREA                | REFERENCE                                      |
|---|--------------------|---|----------------------------|--|
| RELAYS -<br>K31<br>K10048<br>K10186<br>K10215<br>K10217<br>K10411<br>K10412<br>K10476<br>K10477<br>K10516 |                    | 1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1 | 119BL, MAIN EQUIP CTR, P65 | *<br>*<br>*<br>*<br>*<br>*<br>*<br>*<br>*<br>* |
| TERMINAL BLOCK -<br>TB188   |                    | 1   | 119BL, MAIN EQUIP CTR, P65 | *  |
| TRANSFORMER -<br>T148   |                    | 1   | 119BL, MAIN EQUIP CTR, P65 | *  |

\* SEE THE WDM EQUIPMENT LIST

Miscellaneous Electrical Equipment Panel, P65 - Component Index  
 Figure 101



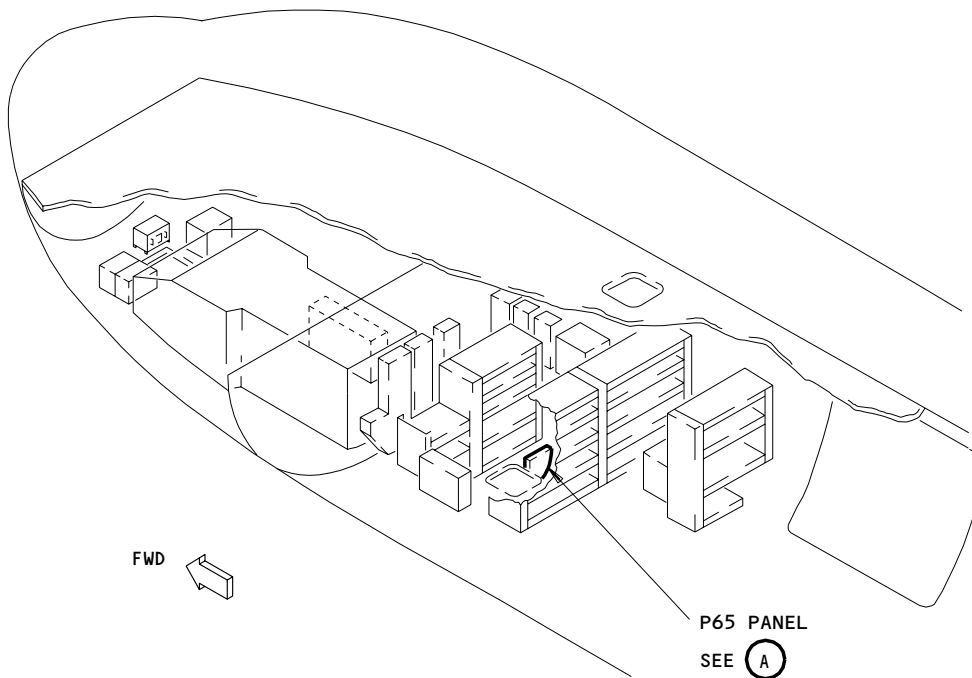
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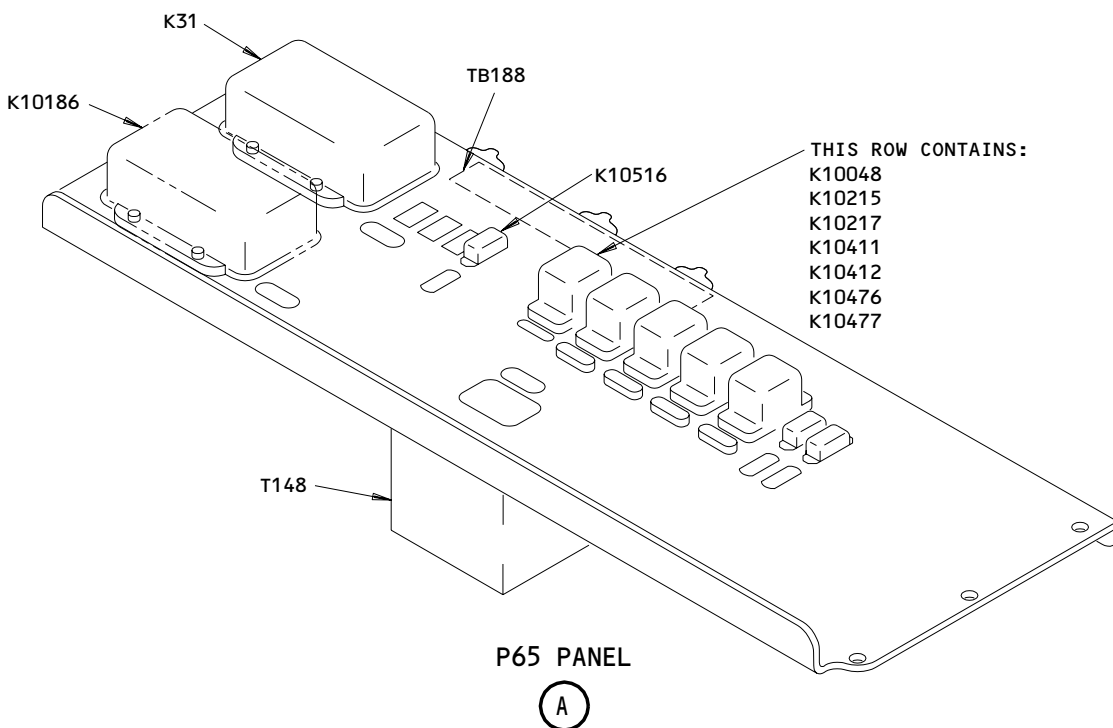
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**MAIN EQUIPMENT CENTER**



Miscellaneous Electrical Equipment Panel, P65 - Component Location  
Figure 102

|             |     |
|-------------|-----|
| EFFECTIVITY |     |
|             | ALL |

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FAULT ISOLATION/MAINT MANUAL

MISCELLANEOUS ELECTRICAL EQUIPMENT PANEL, P70

| COMPONENT         | FIG.<br>102<br>SHT | QTY | ACCESS/AREA                | AMM<br>REFERENCE |
|-------------------|--------------------|-----|----------------------------|------------------|
| SENSOR, CURRENT - |                    |     | 119BL, MAIN EQUIP CTR, P70 |                  |
| TS192             |                    | 1   |                            | *                |
| TS5018            |                    | 1   |                            | *                |
| RELAY -           |                    |     | 119BL, MAIN EQUIP CTR, P70 |                  |
| K119              |                    | 1   |                            | *                |
| K191              |                    | 1   |                            | *                |
| K415              |                    | 1   |                            | *                |
| K505              |                    | 1   |                            | *                |
| K512              |                    | 1   |                            | *                |
| K10057            |                    | 1   |                            | *                |
| K10083            |                    | 1   |                            | *                |
| K10157            |                    | 1   |                            | *                |
| K10159            |                    | 1   |                            | *                |
| K10297            |                    | 1   |                            | *                |
| K10405            |                    | 1   |                            | *                |
| K10597            |                    | 1   |                            | *                |
| K10734            |                    | 1   |                            | *                |
| TERMINAL BLOCK -  |                    |     | 119BL, MAIN EQUIP CTR, P70 |                  |
| TB155             |                    | 1   |                            | *                |
| TRANSFORMER -     |                    |     | 119BL, MAIN EQUIP CTR, P70 |                  |
| T123              |                    | 1   |                            | *                |
| T153              |                    | 1   |                            | *                |

\* SEE THE WDM EQUIPMENT LIST

Miscellaneous Electrical Equipment Panel, P70 - Component Index  
Figure 101

EFFECTIVITY

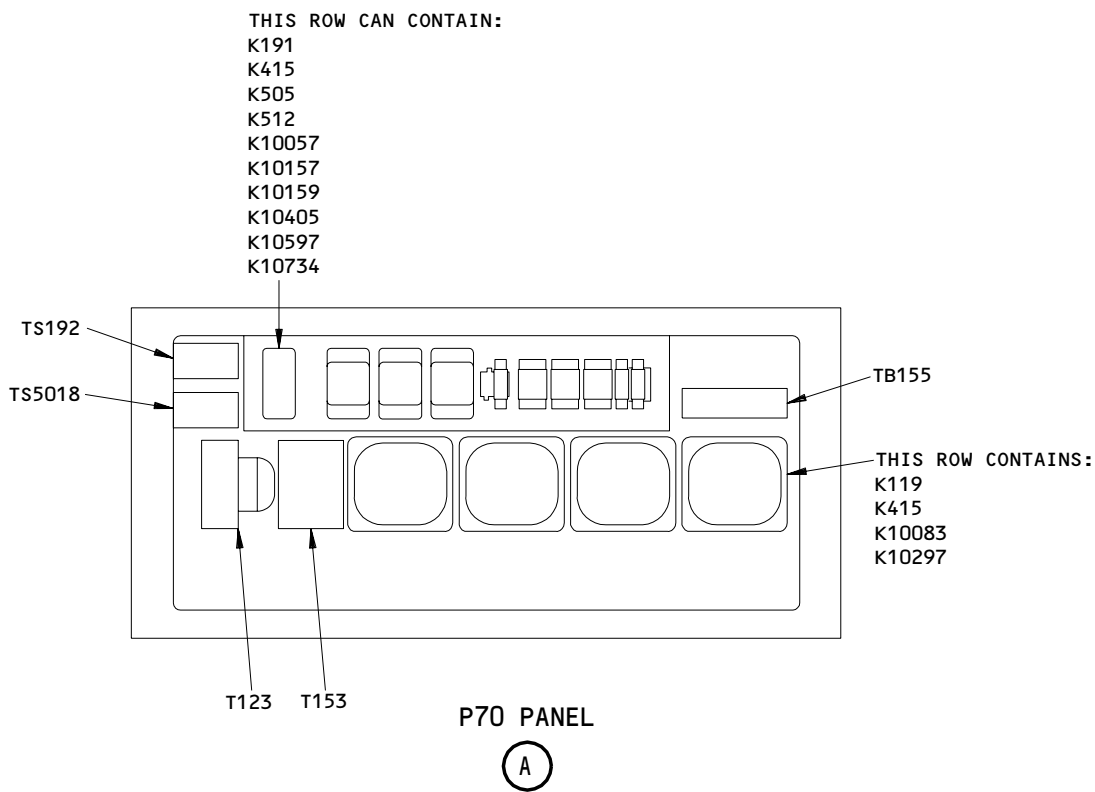
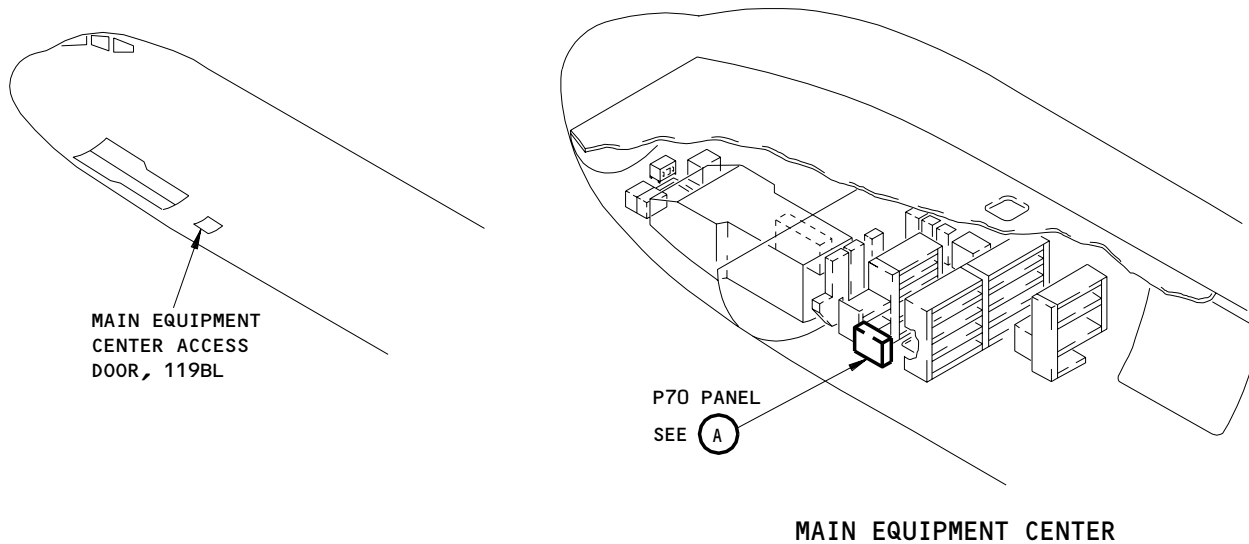
ALL

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Miscellaneous Electrical Equipment Panel, P70 - Component Location  
Figure 102

|             |     |
|-------------|-----|
| EFFECTIVITY | ALL |
|-------------|-----|

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 FAULT ISOLATION/MAINT MANUAL

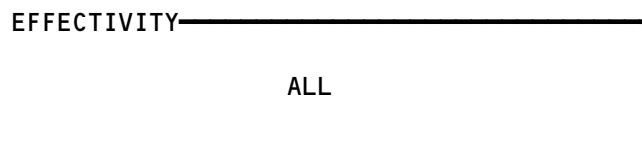
HYDRAULIC GENERATOR POWER PANEL, P71

| COMPONENT        | FIG.<br>102<br>SHT | QTY | ACCESS/AREA                | REFERENCE |
|------------------|--------------------|-----|----------------------------|-----------|
| MODULES -        |                    |     | 119BL, MAIN EQUIP CTR, P71 |           |
| M10662           |                    | 1   |                            | *         |
| M10663           |                    | 1   |                            | *         |
| M10664           |                    | 1   |                            | *         |
| RELAYS -         |                    |     | 119BL, MAIN EQUIP CTR, P71 |           |
| K10561           |                    | 1   |                            | *         |
| K10562           |                    | 1   |                            | *         |
| K10563           |                    | 1   |                            | *         |
| K10564           |                    | 1   |                            | *         |
| K10565           |                    | 1   |                            | *         |
| K10566           |                    | 1   |                            | *         |
| K10567           |                    | 1   |                            | *         |
| K10568           |                    | 1   |                            | *         |
| K10640           |                    | 1   |                            | *         |
| K10690           |                    | 1   |                            | *         |
| K10698           |                    | 1   |                            | *         |
| TERMINAL BLOCK - |                    |     | 119BL, MAIN EQUIP CTR, P71 |           |
| TB103            |                    | 1   |                            | *         |

\* SEE THE WDM EQUIPMENT LIST

NOTE: THE (X) BELOW THE ACCESS/AREA REFERS TO THE VIEW SHOWN ON FIG. 102. THIS HELPS YOU FIND THE COMPONENTS ON THE ILLUSTRATION. FOR EXAMPLE, (A) REFERS TO VIEW A.

Hydraulic Generator Power Panel, P71 - Component Index  
Figure 101

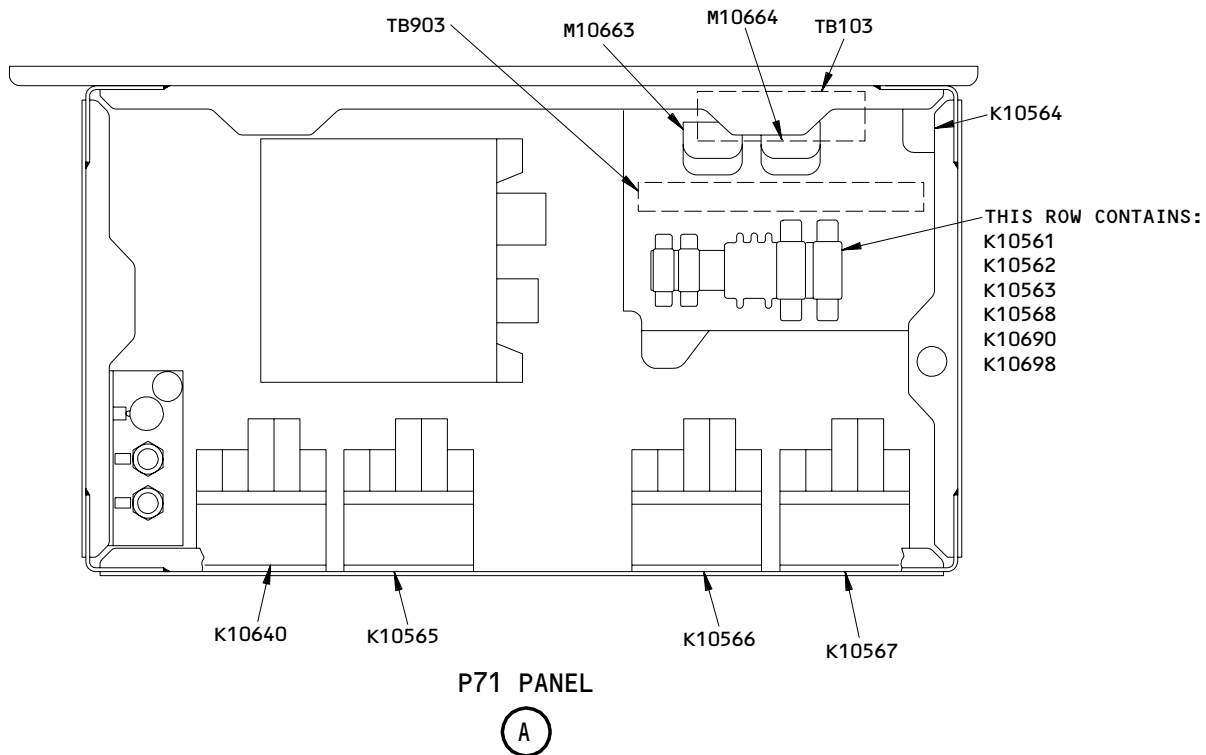
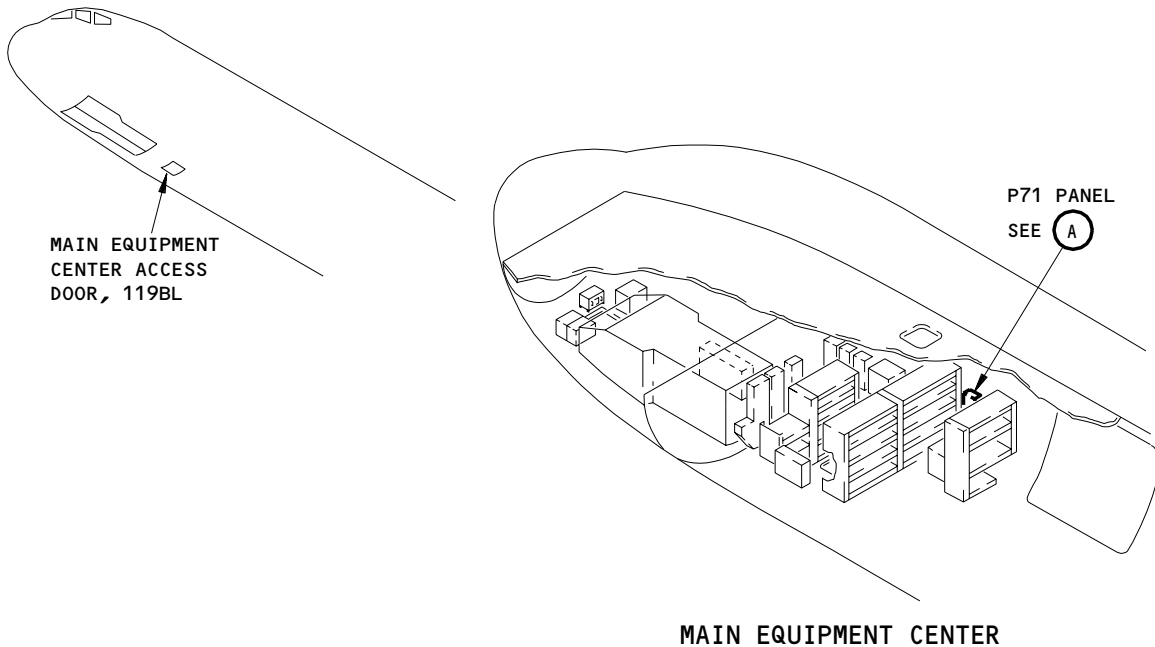


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Hydraulic Generator Power Panel, P71 - Component Location  
Figure 102

|             |     |
|-------------|-----|
| EFFECTIVITY |     |
|             | ALL |

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 FAULT ISOLATION/MAINT MANUAL

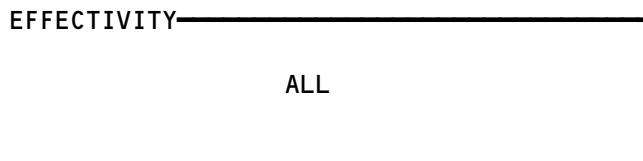
E6 RELAY PANEL

| COMPONENT           | FIG.<br>102<br>SHT | QTY | ACCESS/AREA              | AMM<br>REFERENCE |
|---------------------|--------------------|-----|--------------------------|------------------|
| CONTACTOR -<br>K117 |                    | 1   | 822, AFT CARGO COMPT, E6 | *                |
| RELAY -             | --                 |     | 822, AFT CARGO COMPT, E6 |                  |
| K6                  |                    | 1   |                          | *                |
| K36                 |                    | 1   |                          | *                |
| K116                |                    | 1   |                          | *                |
| K117                |                    | 1   |                          | *                |
| K175                |                    | 1   |                          | *                |
| K176                |                    | 1   |                          | *                |
| K197                |                    | 1   |                          | *                |
| K616                |                    | 1   |                          | *                |
| K619                |                    | 1   |                          | *                |
| K10010              |                    | 1   |                          | *                |
| K10030              |                    | 1   |                          | *                |
| K10033              |                    | 1   |                          | *                |
| K10047              |                    | 1   |                          | *                |
| K10160              |                    | 1   |                          | *                |
| K10162              |                    | 1   |                          | *                |
| K10163              |                    | 1   |                          | *                |
| K10187              |                    | 1   |                          | *                |
| K10216              |                    | 1   |                          | *                |
| K10218              |                    | 1   |                          | *                |
| K10413              |                    | 1   |                          | *                |
| K10414              |                    | 1   |                          | *                |
| K10418              |                    | 1   |                          | *                |
| K10422              |                    | 1   |                          | *                |
| K10517              |                    | 1   |                          | *                |
| K10706              |                    | 1   |                          | *                |
| TERMINAL BLOCK -    |                    |     | 822, AFT CARGO COMPT, E6 |                  |
| TB37                |                    | 1   |                          | *                |
| TB5047              |                    | 1   |                          | *                |
| TB5048              |                    | 1   |                          | *                |
| TRANSFORMER -       |                    |     | 822, AFT CARGO COMPT, E6 |                  |
| T10002              |                    | 1   |                          | *                |

\* SEE THE WDM EQUIPMENT LIST

NOTE: THE (X) BELOW THE ACCESS/AREA REFERS TO THE VIEW SHOWN ON FIG. 102. THIS HELPS YOU FIND THE COMPONENTS ON THE ILLUSTRATION. FOR EXAMPLE, (A) REFERS TO VIEW A.

E6 Relay Panel - Component Index  
Figure 101



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03

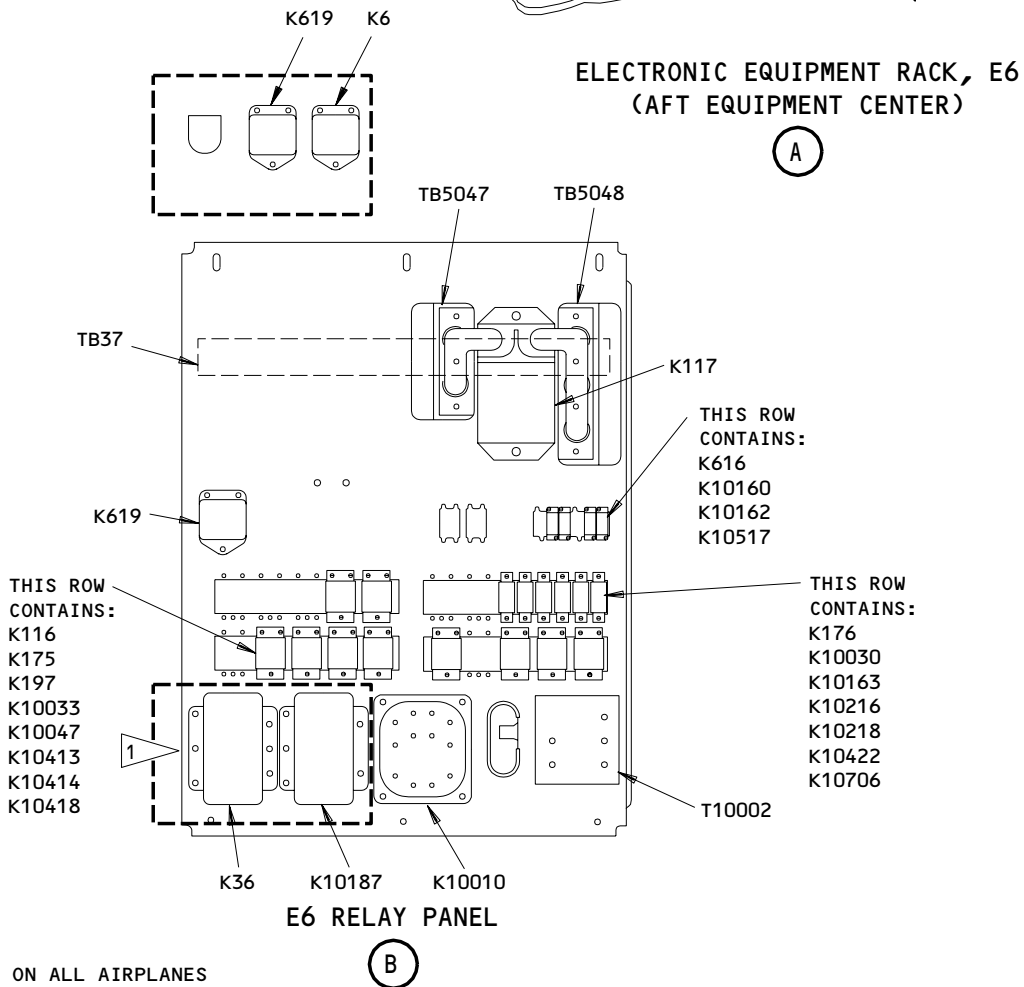
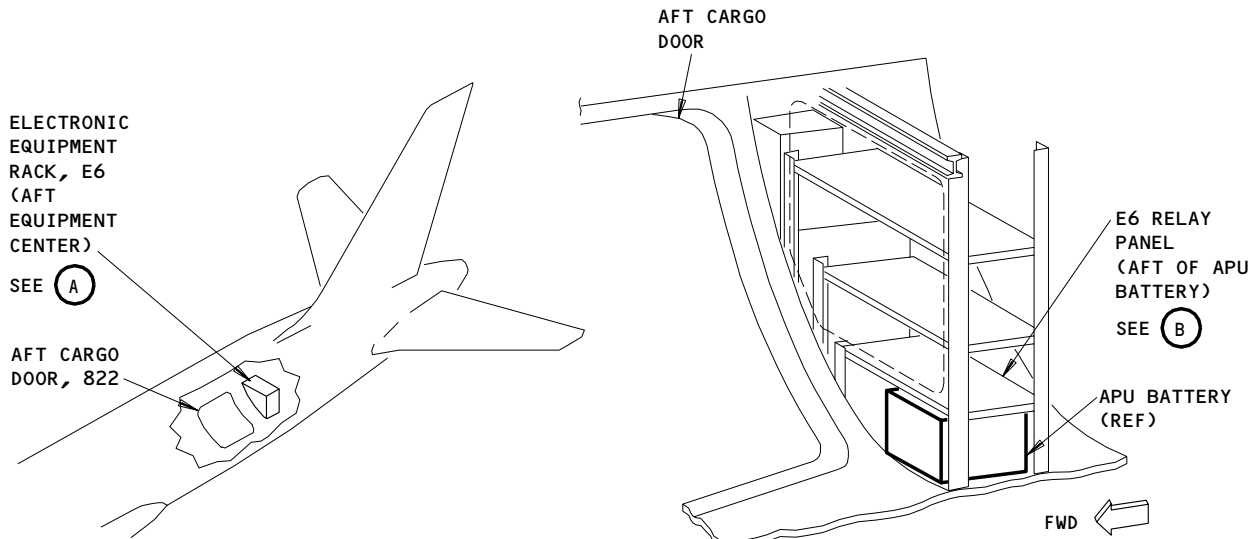
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### FAULT ISOLATION/MAINT MANUAL



1 NOT INSTALLED ON ALL AIRPLANES

**E6 Relay Panel - Component Location**  
Figure 102

|             |     |
|-------------|-----|
| EFFECTIVITY |     |
|             | ALL |

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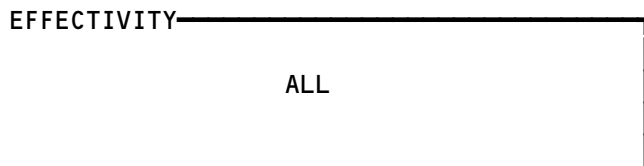

**BOEING**  
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 FAULT ISOLATION/MAINT MANUAL

CLOCKS

| COMPONENT                           | FIG.<br>102<br>SHT | QTY | ACCESS/AREA    | REFERENCE |
|-------------------------------------|--------------------|-----|----------------|-----------|
| CIRCUIT BREAKERS                    | --                 |     | FLT COMPT, P6  |           |
| CLOCK TIME BASE L, C563             |                    | 1   | 6G2            | *         |
| CLOCK TIME BASE R, C576             |                    | 1   | 6G3            | *         |
| CIRCUIT BREAKERS                    | --                 |     | FLT COMPT, P11 |           |
| CLOCK IND LEFT, C573                |                    | 1   | 11B17          | *         |
| CLOCK IND RIGHT, C574               |                    | 1   | 11J35          | *         |
| CLOCK - CAPT, N2                    | --                 | 1   | FLT COMPT, P1  | 31-25-01  |
| CLOCK - F/O, N42                    | --                 | 1   | FLT COMPT, P3  | 31-25-01  |
| COMPUTER - (REF 34-61-00, FIG. 101) |                    |     |                |           |
| FLT MGT L, M134                     |                    |     |                |           |
| FLT MGT R, M135                     |                    |     |                |           |
| SWITCH - CAPT CLOCK, S320           | --                 | 1   | FLT COMPT, P7  | *         |
| SWITCH - F/O CLOCK, S321            | --                 | 1   | FLT COMPT, P7  | *         |
| UNIT - (REF 31-31-00, FIG. 101)     |                    |     |                |           |
| DGTL FLT DATA ACQUISITION, M138     |                    |     |                |           |

\* SEE THE WDM EQUIPMENT LIST

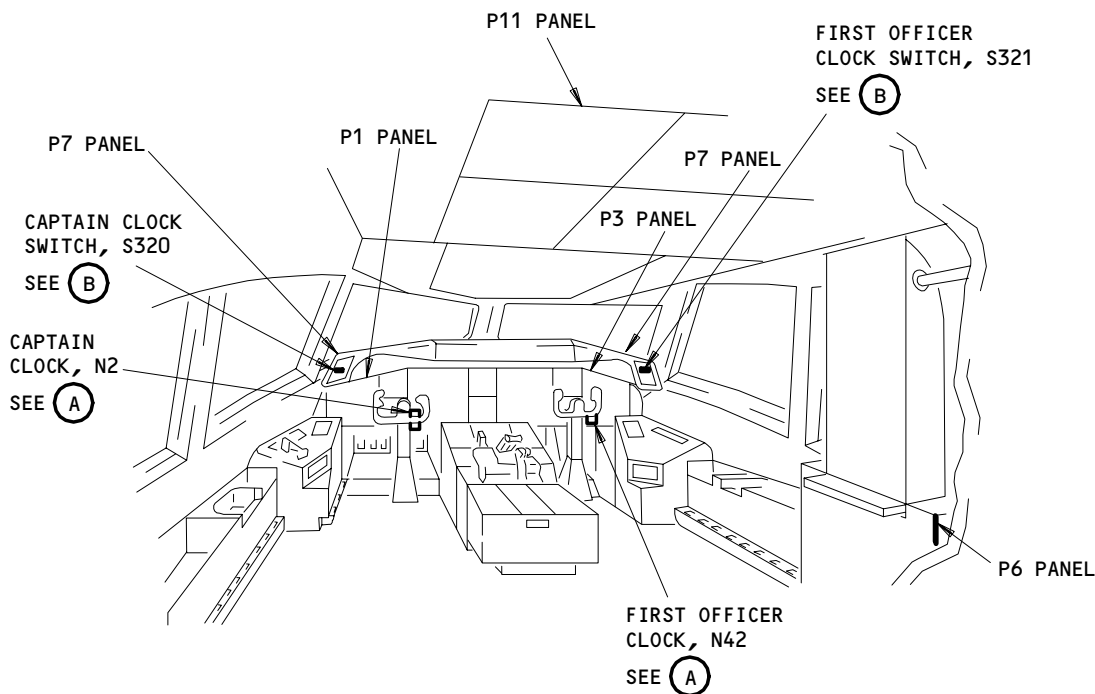
Clocks - Component Index  
Figure 101



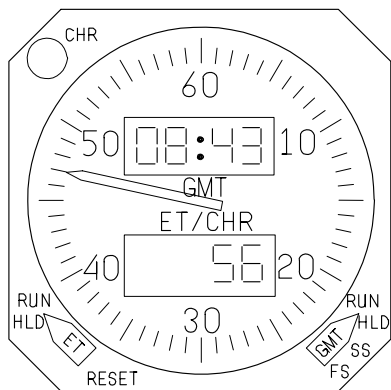
**31-25-00**



**BOEING**  
757  
FAULT ISOLATION/MAINT MANUAL



**FLIGHT COMPARTMENT**



**CLOCK, N2 OR N42**

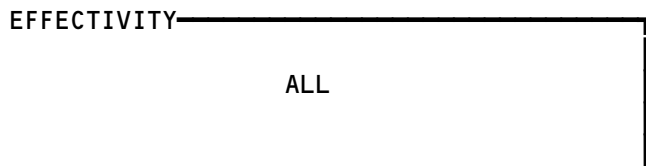
(A)



**CLOCK SWITCH, S320 OR S321**

(B)

**Clocks - Component Location  
Figure 102**



**31-25-00**

**CAPT'S (F/O'S)  
UPPER AND LOWER  
DIGITAL INDICATOR  
DISPLAY INOP**

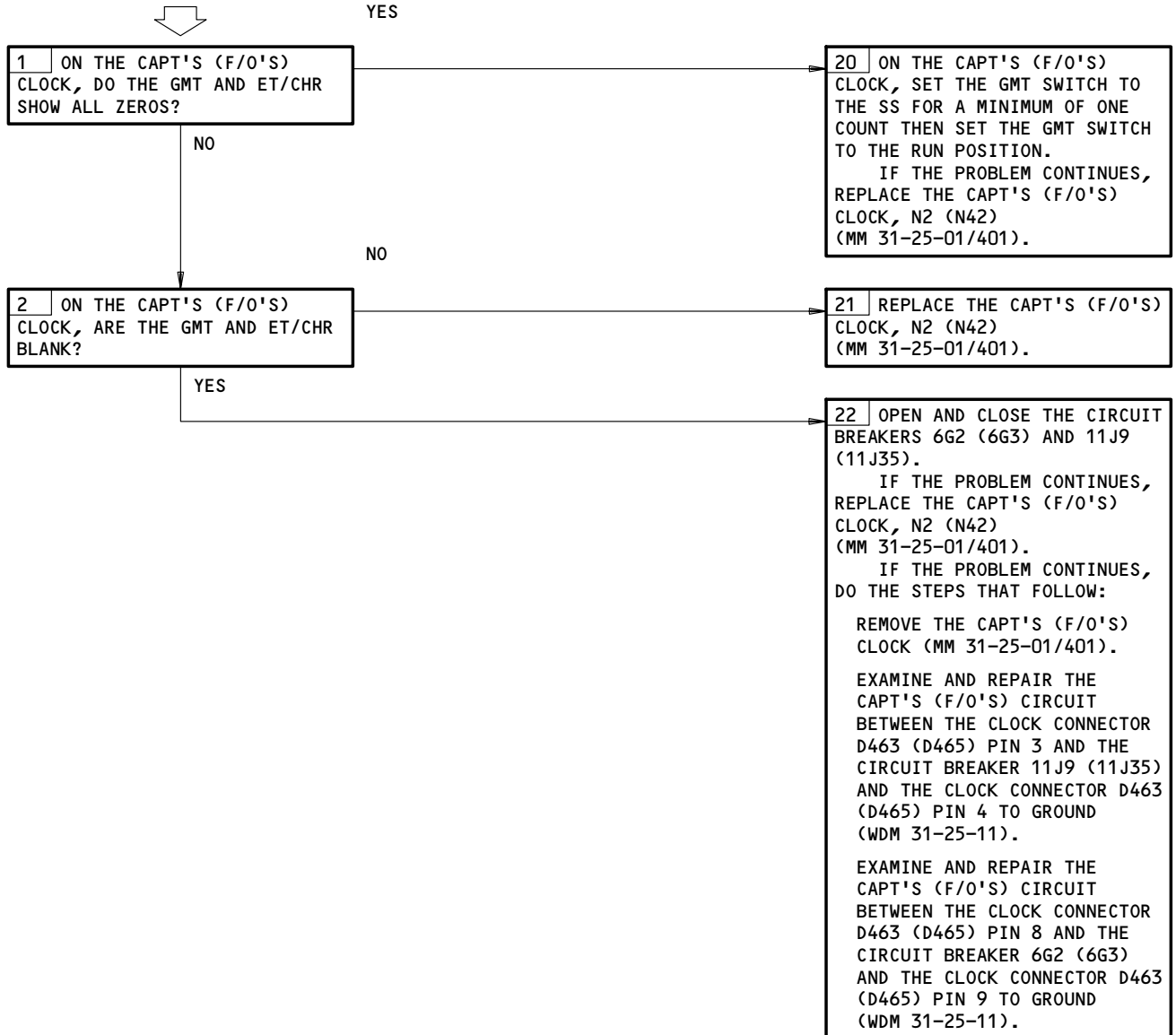
**PREREQUISITES**

MAKE SURE THE AIRPLANE IS IN THE CONFIGURATION THAT FOLLOWS:

ELECTRICAL POWER IS ON (MM 24-22-00/201)

MAKE SURE THESE CIRCUIT BREAKERS ARE CLOSED:

6G2,6G3,11J9,11J35



Capt's (F/O's) Upper and Lower Digital Indicator Display Inop  
Figure 102A

EFFECTIVITY

ALL

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 **BOEING**  
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FAULT ISOLATION/MAINT MANUAL

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 data buses. For the test, use a breakout box at the available terminal or at the LRU connectors.

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)

| CLOCK                    |      |     |     |      |            |          |                   |
|--------------------------|------|-----|-----|------|------------|----------|-------------------|
| DIGITAL OUTPUT BUS CHART |      |     |     |      |            |          |                   |
| BUS NAME                 |      |     | CON | PINS | BUS FORMAT | BIT RATE | DATA BUS          |
| SOURCE                   | TYPE | BUS |     |      |            |          |                   |
| CLOCK ( L R )            | A    | 1   |     |      | 429        | L0       | CLOCK OUTPUT BUS1 |

| CLOCK ID=31        |      |       |        |                 |     |              |                |         |
|--------------------|------|-------|--------|-----------------|-----|--------------|----------------|---------|
| OCTAL LABELS CHART |      |       |        |                 |     |              |                |         |
| SIGNAL             | TYPE | LABEL | FORMAT | MIN UPDATE RATE | SDI | BINARY RANGE | POSITIVE SENSE | UNITS   |
| GMT TIME (429)     | A    | 125   | BCD    | 5               |     | 0-23:59.9    | ALWAYS POS     | HRS:MIN |
| GMT TIME-BNR (429) | A    | 150   | BNR    | 5               |     | 0-23:59:59   | ALWAYS POS     | HRS:M:S |

EFFECTIVITY

ALL

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**BOEING**  
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FAULT ISOLATION/MAINT MANUAL

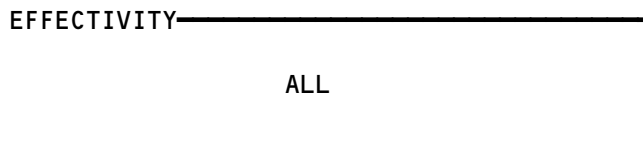
FLIGHT DATA RECORDER SYSTEM

| COMPONENT                                    | FIG.<br>102<br>SHT | QTY | ACCESS/AREA                      | AMM<br>REFERENCE |
|--|--------------------|-----|----------------------------------|------------------|
| ACCELEROMETER - FLIGHT RECORDER, TS28        | 4                  | 1   | 733, LEFT WHEEL WELL             | 31-31-05         |
| BEACON - UNDERWATER LOCATOR                  | 3                  | 1   | 834, VOICE AND FLT RECORDER RACK | 31-31-02         |
| CIRCUIT BREAKER -                            |                    |     | FLT COMPT, P11                   |                  |
| AIDS SENSOR, C564                            |                    | 1   | 11S1                             | *                |
| FLIGHT RECORDER AC, C561                     |                    | 1   | 11J7                             | *                |
| FLIGHT RECORDER DC, C578                     |                    | 1   | 11J8                             | *                |
| PANEL - DATA MANAGEMENT ENTRY, M10301        | 1                  | 1   | FLT COMPT, P61                   | 31-31-06         |
| PANEL - FLIGHT RECORDER CONTROL, M33         | 1                  | 1   | FLT COMPT, P61                   | 31-31-04         |
| PLUG - FLIGHT RECORDER TEST, M968            | 1                  | 1   | FLT COMPT, FWD END OF P61 PANEL  | *                |
| PRINTER - (FIM 31-35-00/101)<br>M10386       |                    |     |                                  |                  |
| RECEPTACLE - SHORTING, M976                  |                    |     |                                  |                  |
| RECORDER - (FIM 31-35-00/101)                |                    |     |                                  |                  |
| QUICK ACCESS, M10387                         |                    |     |                                  |                  |
| RECORDER - DIGITAL FLIGHT DATA, M200         | 3                  | 1   | 834, VOICE AND FLT RECORDER RACK | 31-31-01         |
| RELAY - (FIM 31-01-37/101)                   |                    |     |                                  |                  |
| FLT REC ADC I/P SWITCH, K554                 |                    |     |                                  |                  |
| FLT REC EFIS I/P SWITCH, K15                 |                    |     |                                  |                  |
| TRANSDUCER -                                 |                    |     |                                  |                  |
| CONTROL COLUMN POSITION, TS5302              | 4                  | 1   | 113AL, FWD EQUIP BAY             | 31-31-08         |
| CONTROL WHEEL POSITION, TS5301               | 4                  | 1   | 119AL, MAIN EQUIP CTR            | 31-31-09         |
| LEFT BRAKE PRESSURE, T10055 AND T10053       | 4                  | 2   | 730, LEFT MAIN LANDING GEAR      | 31-31-13         |
| RIGHT BRAKE PRESSURE, T10056 AND T10054      | 4                  | 2   | 740, RIGHT MAIN LANDING GEAR     | 31-31-13         |
| RUDDER PEDAL POSITION, TS5303                | 4                  | 1   | 113AL, FWD EQUIP BAY             | 31-31-10         |
| UNIT - DIGITAL FLIGHT DATA ACQUISITION, M138 | 2                  | 1   | 119BL, MAIN EQUIP CTR, E3-3      | 31-31-03         |

\* SEE THE WDM EQUIPMENT LIST

- GUI 115
- GUI 001-114,116-999

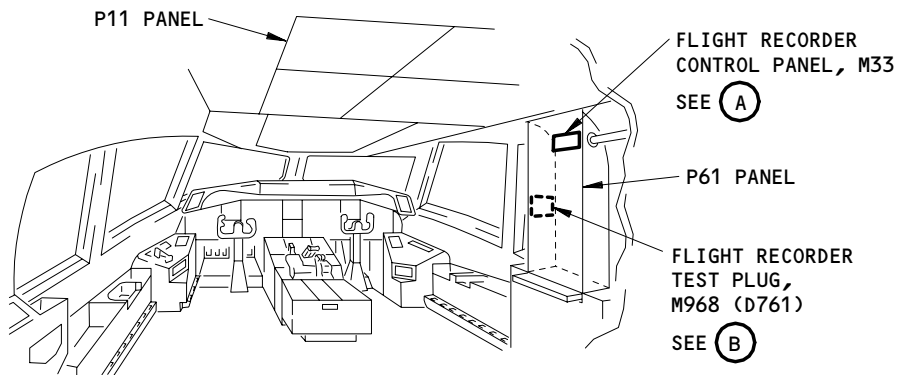
Flight Data Recorder System - Component Index  
Figure 101



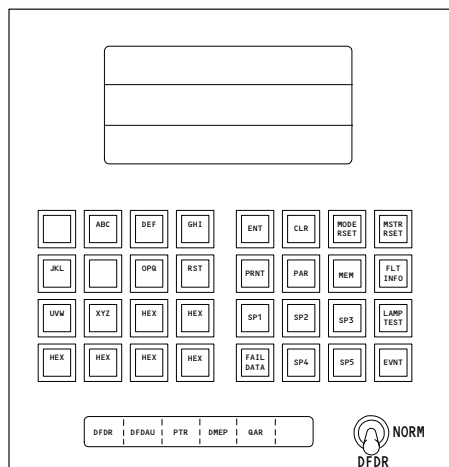
31-31-00

# BOEING

## 757 FAULT ISOLATION/MAINT MANUAL

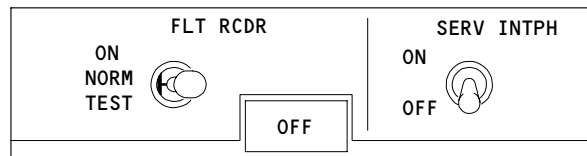


### FLIGHT COMPARTMENT



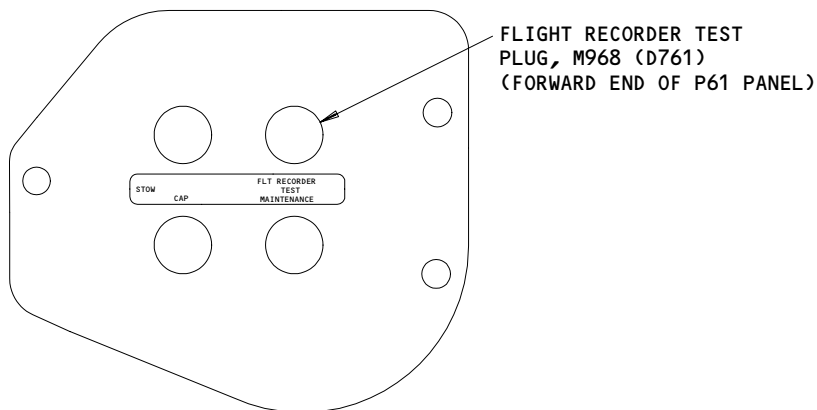
DATA MANAGEMENT ENTRY PANEL, M10301

(A) 1



FLIGHT RECORDER CONTROL PANEL, M33

(A) 2



(B)

- 1 GUI 115
- 2 GUI 001-114, 116-999

Flight Data Recorder System - Component Location  
Figure 102 (Sheet 1)

EFFECTIVITY

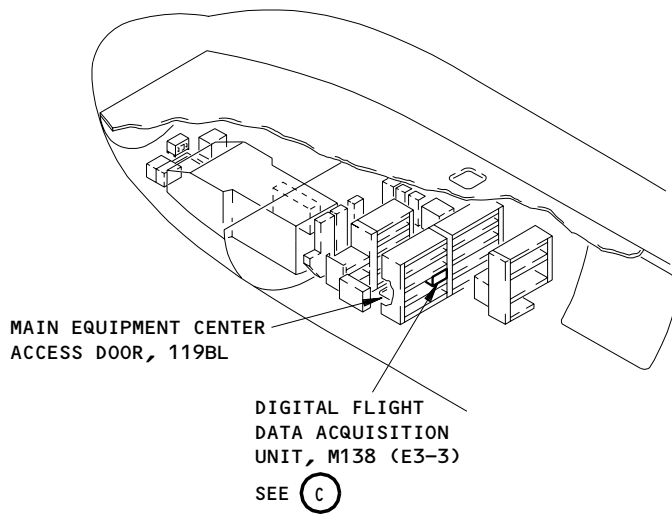
ALL

# 31-31-00

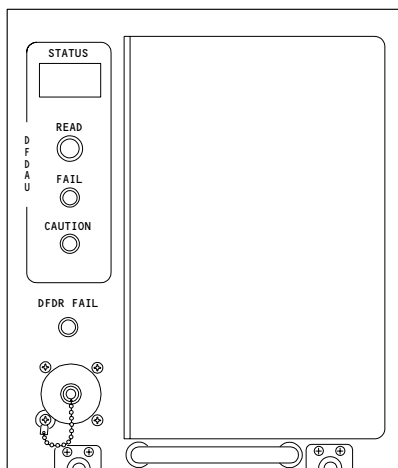
09

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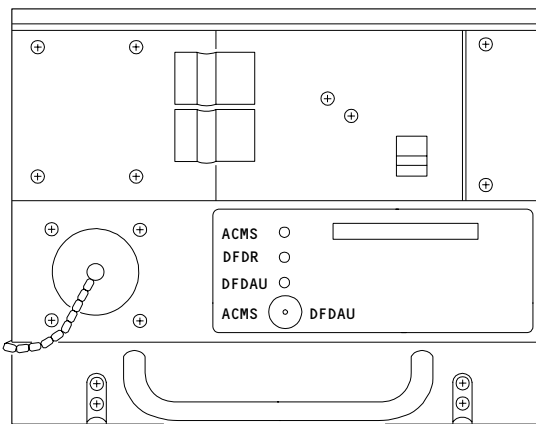


**MAIN EQUIPMENT CENTER**



**DIGITAL FLIGHT DATA ACQUISITION UNIT, M138**

(C) 3



**DIGITAL FLIGHT DATA ACQUISITION UNIT**

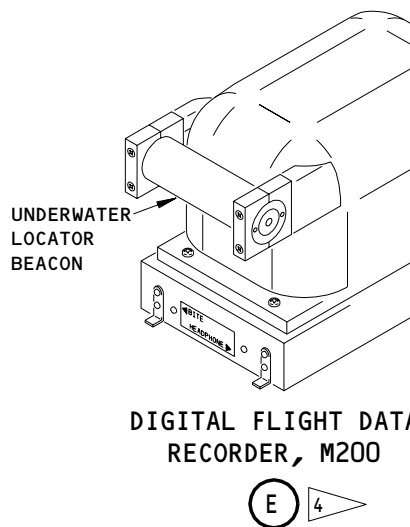
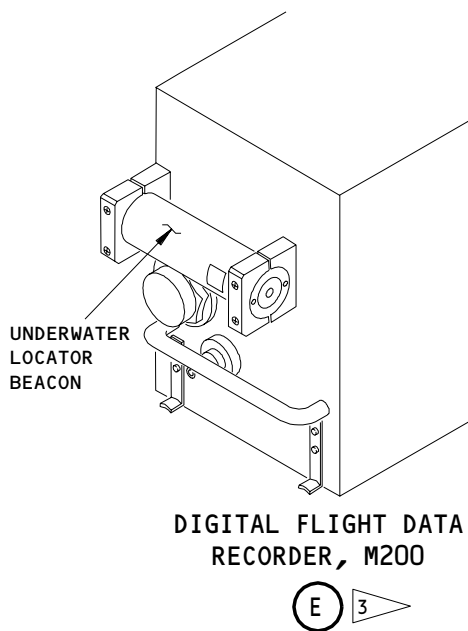
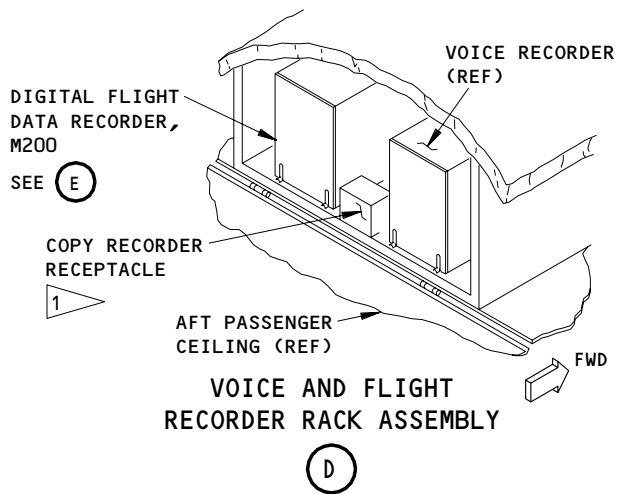
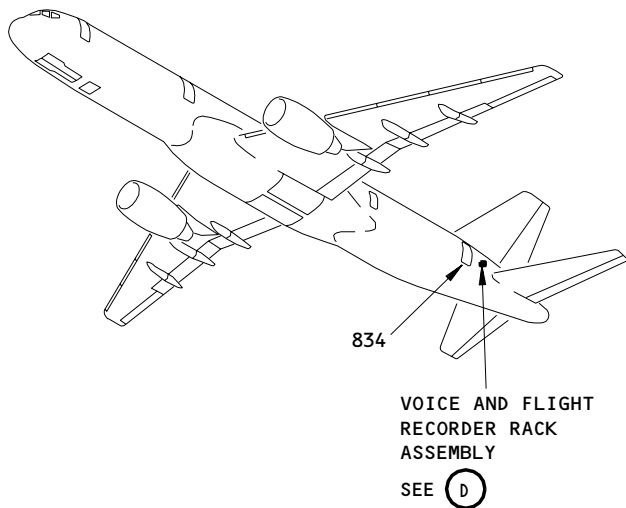
(C) 4

- 3 GUI 010, 011 PRE-SB 31-0094;  
GUI 001-009, 012-015
- 4 GUI 010, 011 POST-SB 31-0094

**Flight Data Recorder System - Component Location  
Figure 102 (Sheet 2)**

|             |     |
|-------------|-----|
| EFFECTIVITY | ALL |
|-------------|-----|

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3 GUI 010, 011 PRE-SB 31-0094;  
GUI 001-009, 012-115

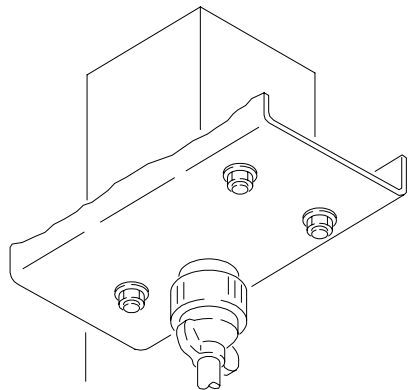
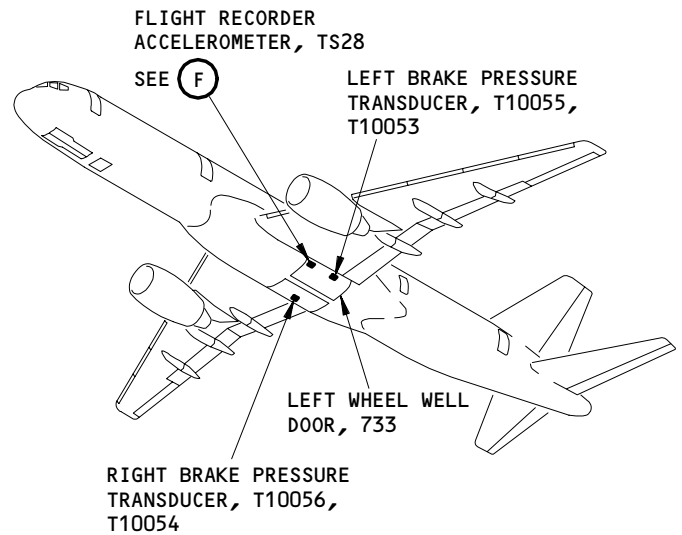
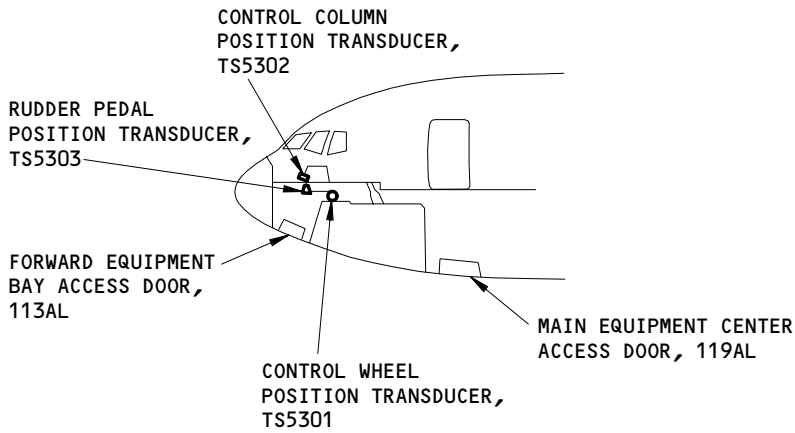
4 GUI 010-011 POST-SB 31-0094

Flight Data Recorder System - Component Location  
Figure 102 (Sheet 3)

|             |     |
|-------------|-----|
| EFFECTIVITY | ALL |
|-------------|-----|

**31-31-00**

**BOEING**  
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FAULT ISOLATION/MAINT MANUAL



FLIGHT RECORDER ACCELEROMETER, TS28

(F)

Flight Data Recorder System - Component Location  
Figure 102 (Sheet 4)

|             |     |
|-------------|-----|
| EFFECTIVITY | ALL |
|             |     |

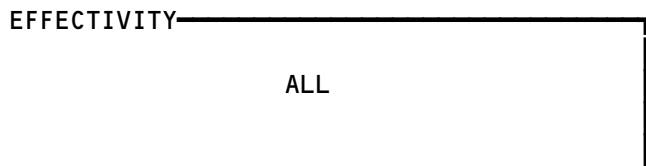
31-31-00

06

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Not Used  
Figure 103



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01

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98146

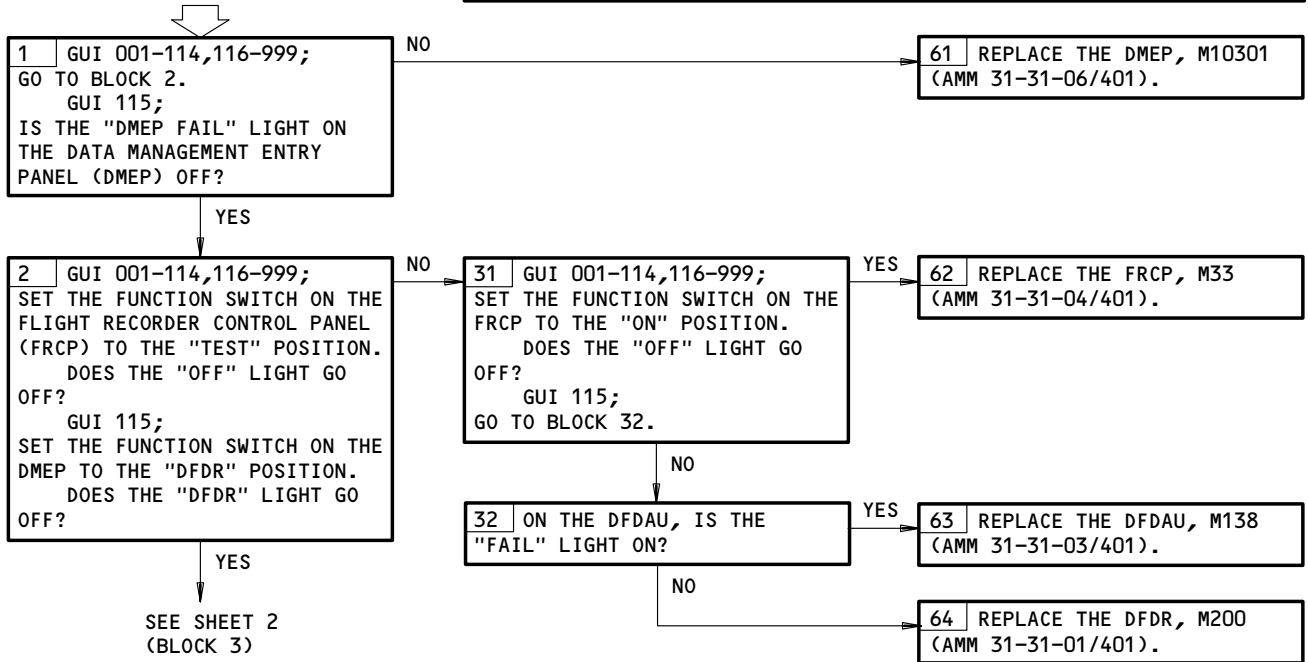
**FLIGHT RECORDER  
SYSTEM SELF-TEST**

**PREREQUISITES**

MAKE SURE THIS SYSTEM WILL OPERATE:  
EICAS (AMM 31-41-00/201)

MAKE SURE THESE CIRCUIT BREAKERS ARE CLOSED:  
11D19,11D20,11J7,11J8

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

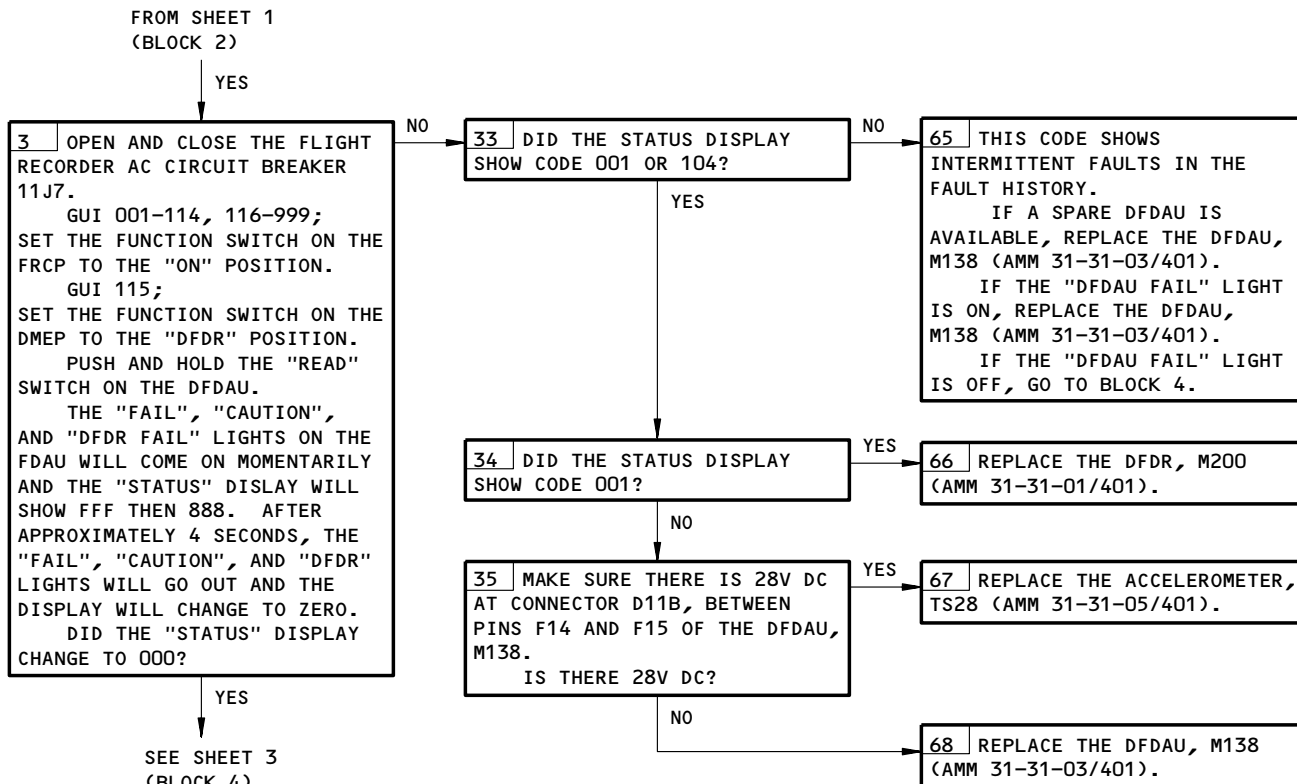


Flight Recorder System Self-Test  
Figure 104 (Sheet 1)

EFFECTIVITY  
GUI 010, 011 PRE-SB 31-0091;  
GUI 001-009, 012-015

**31-31-00**

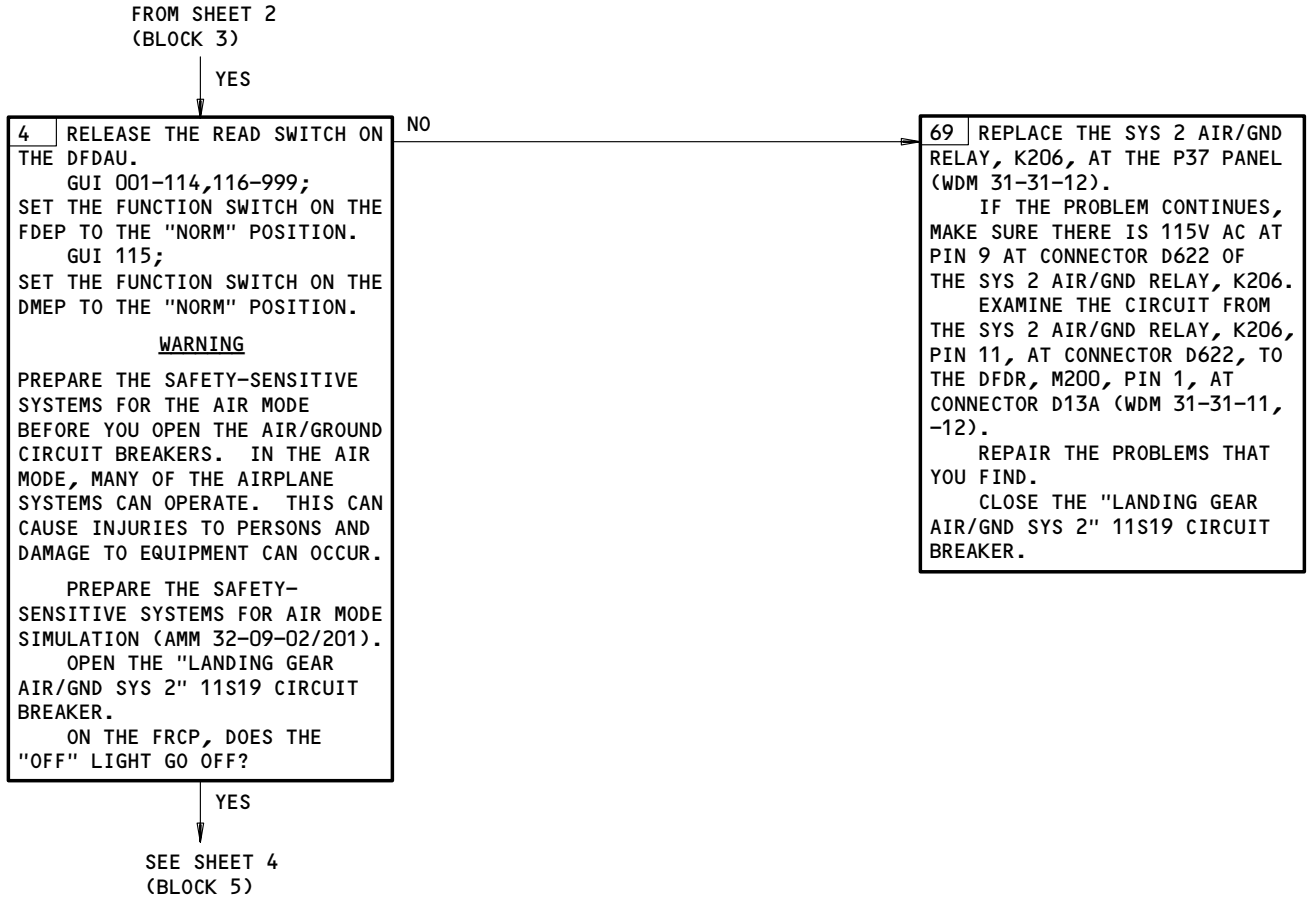
**BOEING**  
757  
FAULT ISOLATION/MAINT MANUAL



Flight Recorder System Self-Test  
Figure 104 (Sheet 2)

EFFECTIVITY  
 GUI 010, 011 PRE-SB 31-0091;  
 GUI 001-009, 012-015

31-31-00



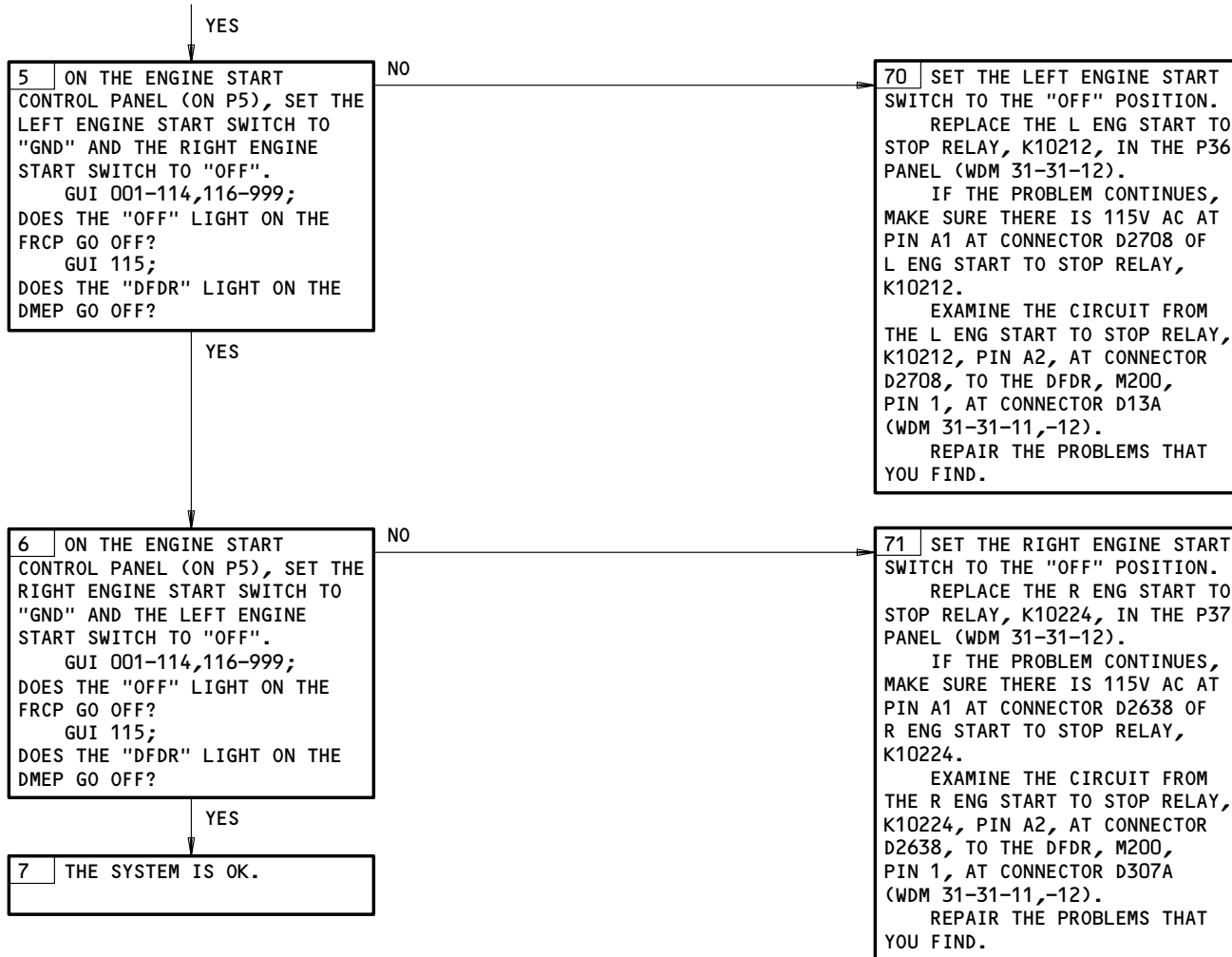
Flight Recorder System Self-Test  
Figure 104 (Sheet 3)

EFFECTIVITY

|  |
|--|
| GUI 010, 011 PRE-SB 31-0091;<br>GUI 001-009, 012-015 |
|--|

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FROM SHEET 3  
(BLOCK 4)



Flight Recorder System Self-Test  
Figure 104 (Sheet 4)

EFFECTIVITY  
GUI 010, 011 PRE-SB 31-0091;  
GUI 001-009, 012-015

**31-31-00**

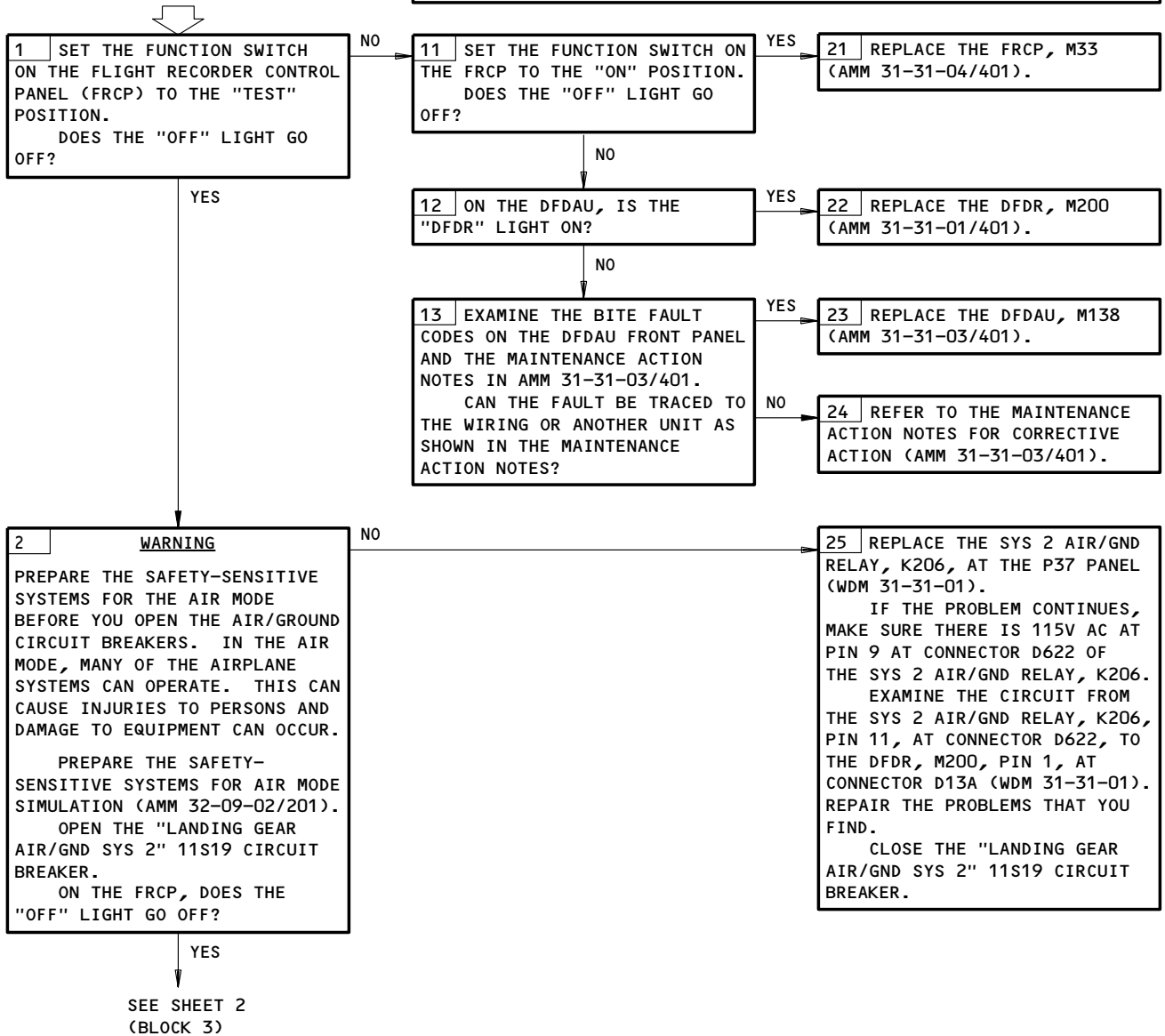
**FLIGHT RECORDER SYSTEM SELF-TEST**

**PREREQUISITES**

MAKE SURE THIS SYSTEM WILL OPERATE:  
EICAS (AMM 31-41-00/501)

MAKE SURE THESE CIRCUIT BREAKERS ARE CLOSED:  
11D19, 11D20, 11J7, 11J8

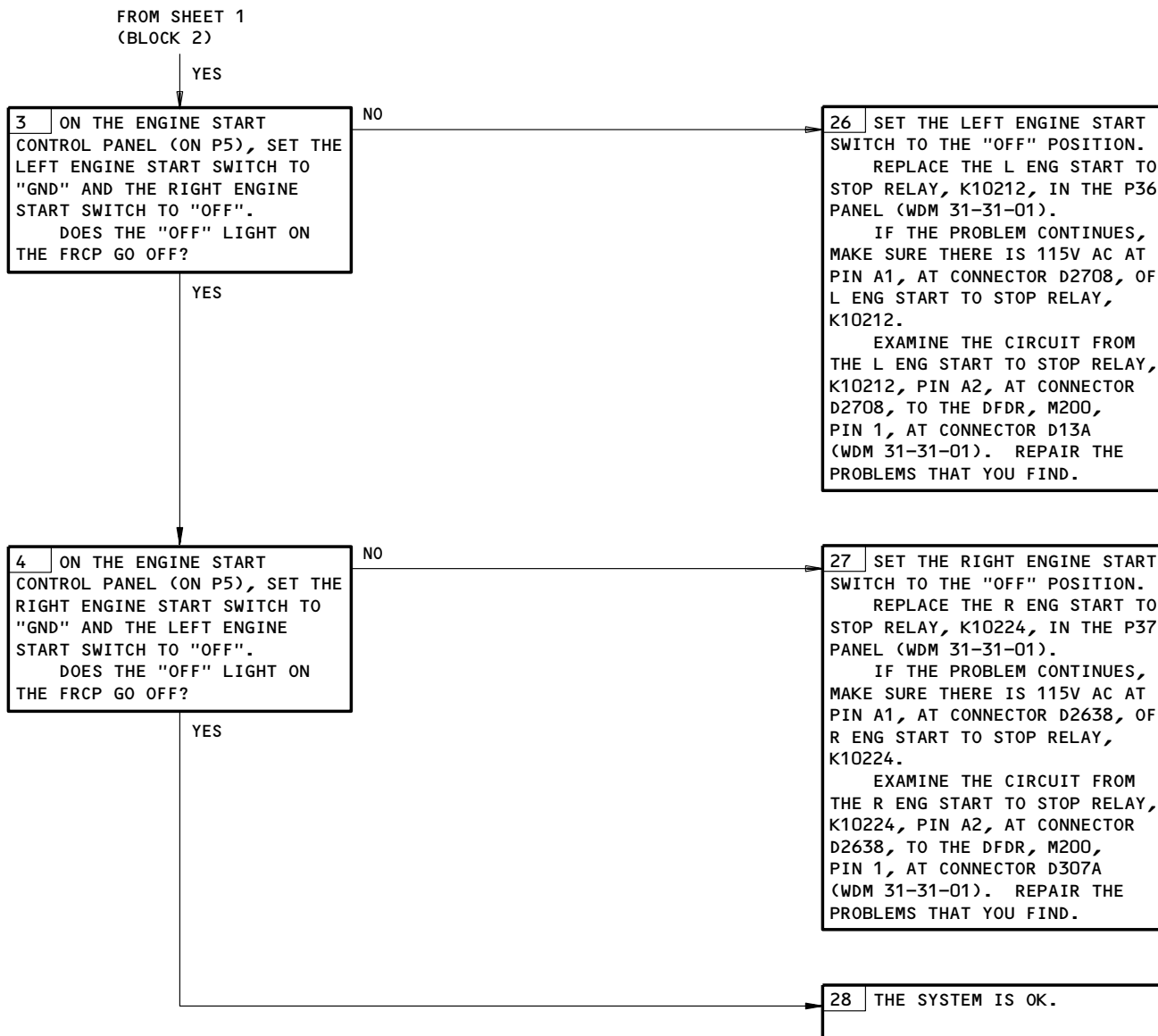
MAKE SURE THE AIRPLANE IS IN THIS CONFIGURATION:  
ELECTRICAL POWER IS ON (AMM 24-22-00/201)



Flight Recorder System Self-Test  
Figure 104A (Sheet 1)

EFFECTIVITY  
GUI 010, 011 POST-SB 31-0091

**31-31-00**



Flight Recorder System Self-Test  
Figure 104A (Sheet 2)

EFFECTIVITY  
GUI 010, 011 POST-SB 31-0091

31-31-00

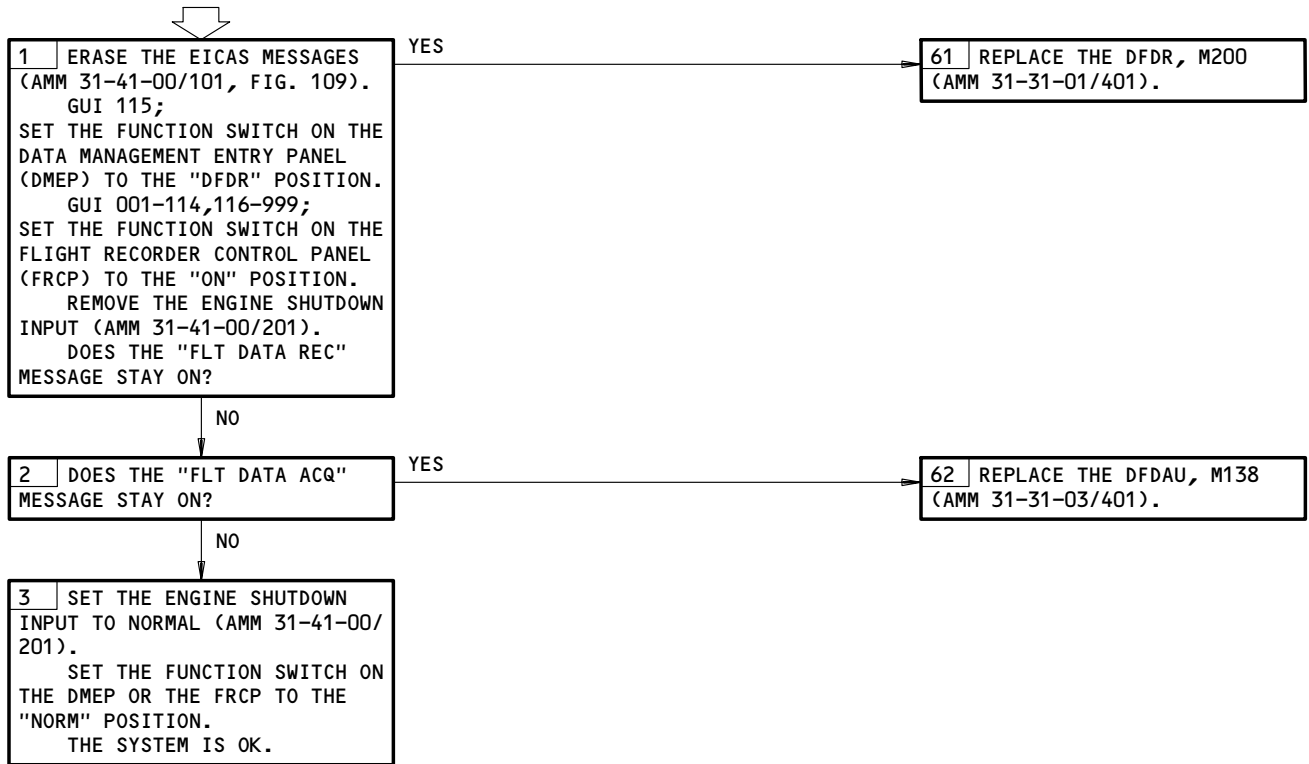
EICAS MSG "FLT  
DATA REC" OR "FLT  
DATA ACQ" DISPLAYED

**PREREQUISITES**

MAKE SURE THIS SYSTEM WILL OPERATE:  
EICAS (AMM 31-41-00/201)

MAKE SURE THESE CIRCUIT BREAKERS ARE CLOSED:  
11J7,11J8,11P1

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



EICAS Msg FLT DATA REC or FLT DATA ACQ Displayed  
Figure 105

|             |     |
|-------------|-----|
| EFFECTIVITY | ALL |
|-------------|-----|

**31-31-00**

E83663





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 FAULT ISOLATION/MAINT MANUAL

AIRPLANE CONDITION MONITORING SYSTEM

| COMPONENT                            | FIG.<br>102<br>SHT | QTY | ACCESS/AREA                | REFERENCE |
|--------------------------------------|--------------------|-----|----------------------------|-----------|
| CIRCUIT BREAKERS -                   |                    |     |                            |           |
| ACMS, C4459                          | --                 | 1   | FLT COMPT, P11<br>11S39    | *         |
| FLIGHT RECORDER AC, C561             | --                 | 1   | 11J7                       | *         |
| FLIGHT RECORDER DC, C578             | --                 | 1   | 11J8                       | *         |
| PANEL (31-31-00/101)                 |                    |     |                            |           |
| DATA MANAGEMENT ENTRY, M10301        |                    |     |                            |           |
| PRINTER - AIRBORNE, M10386           | --                 | 1   | FLT COMPT, P14             | 31-35-06  |
| RECORDER - QUICK ACCESS, M10387      | --                 | 1   | 119BL MAIN EQUIP CTR, E3-3 | 31-35-01  |
| UNIT - (31-31-00/101)                |                    |     |                            |           |
| DIGITAL FLIGHT DATA ACQUISITION UNIT |                    |     |                            |           |

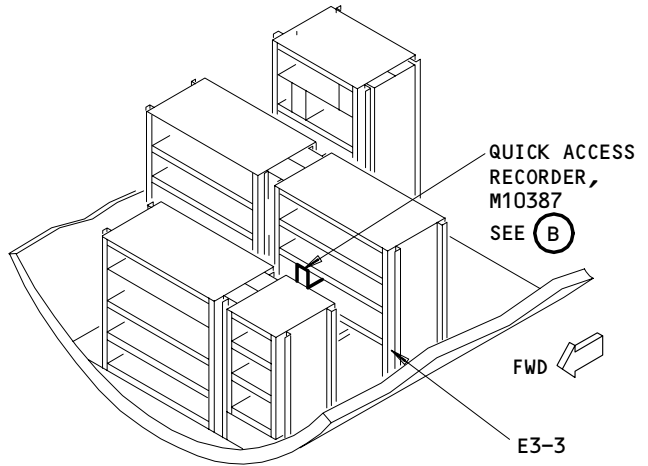
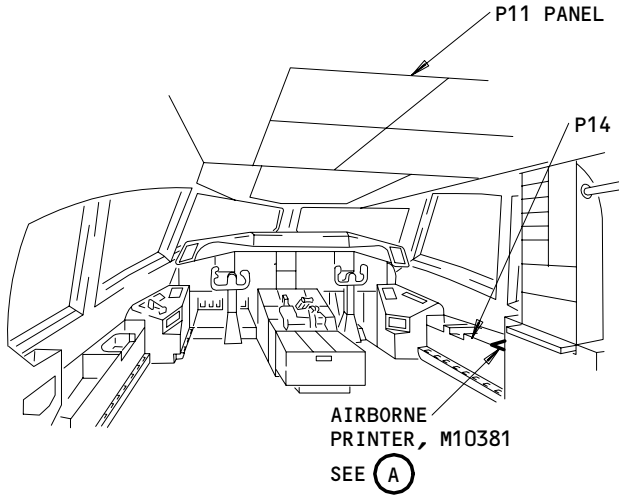
\* SEE THE WDM EQUIPMENT LIST

Airplane Condition Monitoring System - Component Index  
 Figure 101

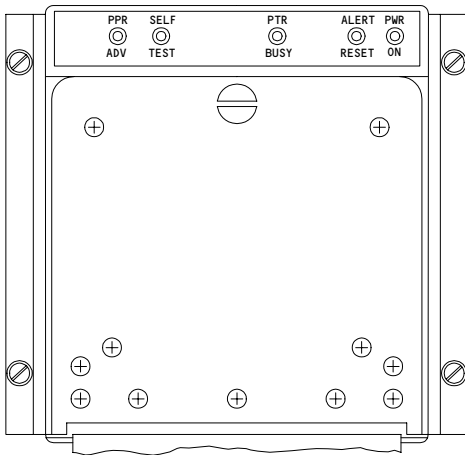
EFFECTIVITY  
 GUI 115

31-35-00

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 FAULT ISOLATION/MAINT MANUAL

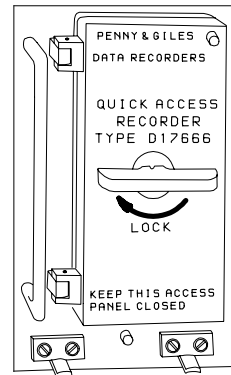


MAIN EQUIP CTR



AIRBORNE PRINTER, M10386

(A)



QUICK ACCESS RECORDER, M10387

(B)

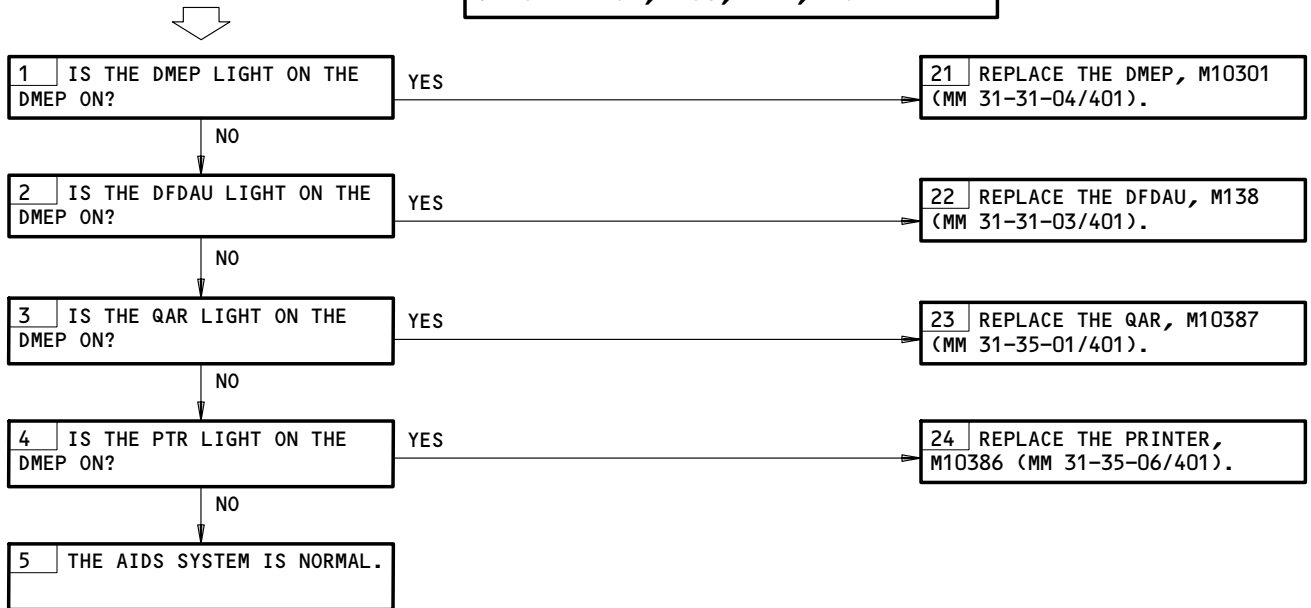
Components Location  
 Figure 102

EFFECTIVITY  
 GUI 115

31-35-00

|   |
|---|
| <b>PREREQUISITES</b><br>ELECTRICAL POWER (MM 24-22-00/201)<br>CB'S: 11J7,11J8,11P1,11S1 |
|---|

**AIDS PROBLEMS**



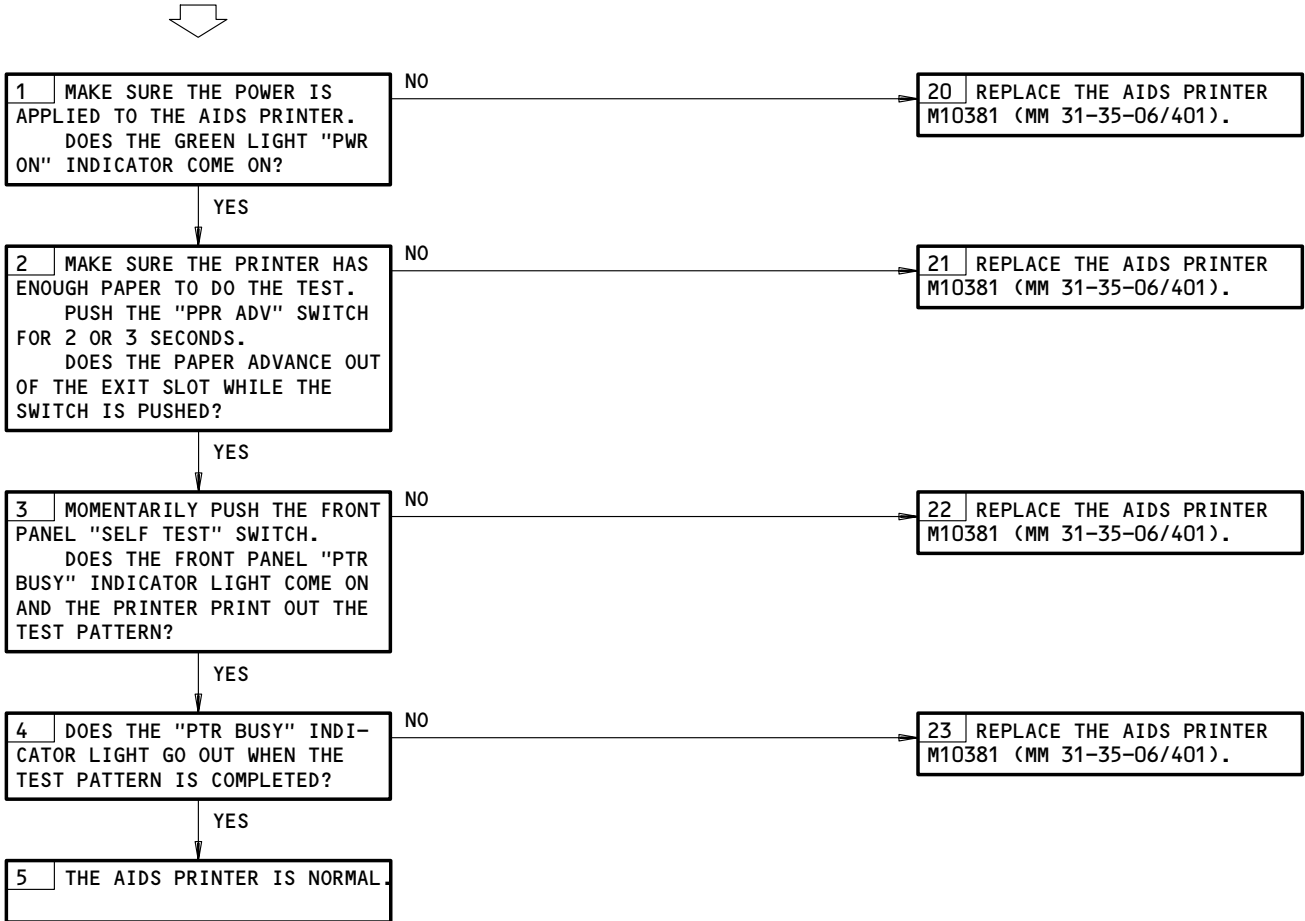
AIDS Problems  
Figure 103

EFFECTIVITY  
GUI 115

**31-35-00**

**PREREQUISITES**  
 ELECTRICAL POWER (MM 24-22-00/201)  
 CB'S: 11J7

**AIDS PRINTER PROBLEMS**



AIDS Printer Problems  
Figure 104

EFFECTIVITY  
GUI 115

**31-35-00**

**BOEING**  
757  
FAULT ISOLATION/MAINT MANUAL

ENGINE INDICATION AND CREW ALERTING SYSTEM

| COMPONENT   | FIG.<br>102<br>SHT | QTY | ACCESS/AREA                           | REFERENCE |
|---|--------------------|-----|---------------------------------------|-----------|
| CIRCUIT BREAKERS -  | 2                  |     | P11, FLIGHT COMPARTMENT               |           |
| EICAS CMPTR LEFT, C4078                                     |                    | 1   | 11J2                                  | *         |
| EICAS CMPTR RIGHT, C4079                                    |                    | 1   | 11J29                                 | *         |
| EICAS DISPLAY SW, C4189                                     |                    | 1   | 11J31                                 | *         |
| EICAS DISPLAY SELECT, C4094                                 |                    | 1   | 11J32                                 | *         |
| EICAS LOWER DISPLAY, C4082                                  |                    | 1   | 11J30                                 | *         |
| EICAS LOWER IND, C4082                                      |                    | 1   | 11J30                                 | *         |
| EICAS PILOTS DSP, C4094                                     |                    | 1   | 11J32                                 | *         |
| EICAS UPPER DISPLAY, C4081                                  |                    | 1   | 11J3                                  | *         |
| EICAS UPPER IND, C4081                                      |                    | 1   | 11J3                                  | *         |
| COMPUTER - EICAS LEFT, M10181                               | 1                  | 1   | 119BL, MAIN EQUIPMENT CENTER,<br>E4-2 | 31-41-02  |
| COMPUTER - EICAS RIGHT, M10182                              | 1                  | 1   | 119BL, MAIN EQUIPMENT CENTER,<br>E4-2 | 31-41-02  |
| INDICATOR - EICAS DISPLAY TOP, N10013                       | 2                  | 1   | FLIGHT COMPARTMENT, P2                | 31-41-01  |
| INDICATOR - EICAS DISPLAY BOTTOM, N10014                    | 2                  | 1   | FLIGHT COMPARTMENT, P2                | 31-41-01  |
| MODULE - EICAS DISPLAY SWITCHING, BOTTOM,<br>M10418         | 1                  | 1   | 119BL, MAIN EQUIPMENT CENTER,<br>E4-2 | 31-41-04  |
| MODULE - EICAS DISPLAY SWITCHING, TOP,<br>M10417            | 1                  | 1   | 119BL, MAIN EQUIPMENT CENTER,<br>E4-2 | 31-41-04  |
| PANEL - EICAS DISPLAY SELECT, M10195                        | 2                  | 1   | FLIGHT COMPARTMENT, P9                | 31-41-03  |
| PANEL - EICAS MAINTENANCE, M10372                           | 2                  | 1   | FLIGHT COMPARTMENT, P61               | 31-41-05  |
| RELAY - (31-01-36/101)<br>SYSTEM NO. 1 AIR/GND, K140        |                    |     |                                       | *         |
| SENSOR - (34-22-00/101)<br>EFIS REMOTE LIGHT RIGHT, TS188   | 2                  | 1   | FLIGHT COMPARTMENT, P1                | *         |
| SWITCH - CANCEL, S10170                                     |                    |     |                                       | *         |
| SWITCH - CAPT'S MASTER WARNING AND CAUTION<br>LIGHTED, S507 | 2                  | 1   | FLIGHT COMPARTMENT, P7                | *         |
| SWITCH - F/O'S MASTER WARNING AND CAUTION<br>LIGHTED, S508  | 2                  | 1   | FLIGHT COMPARTMENT, P7                | *         |
| SWITCH - RECALL, S10230                                     | 2                  | 1   | FLIGHT COMPARTMENT, P1                | *         |

\* SEE THE WDM EQUIPMENT LIST

- GUI 115
- GUI 001-114,116-999

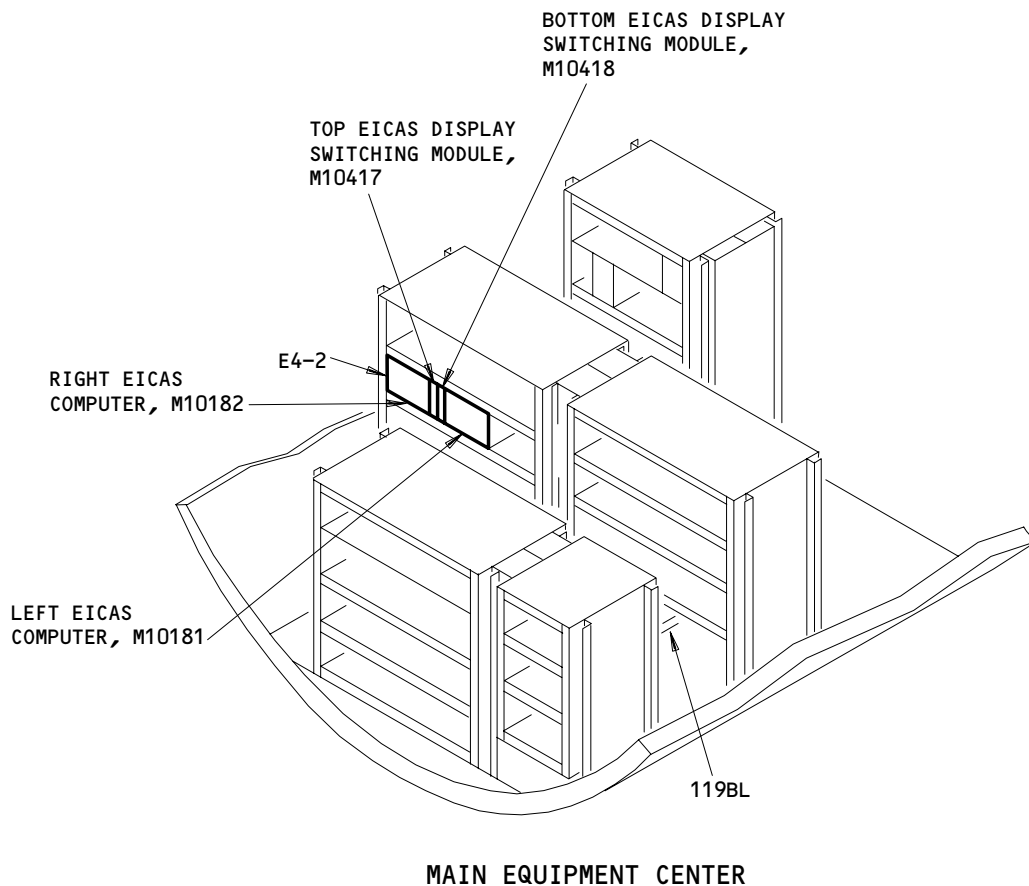
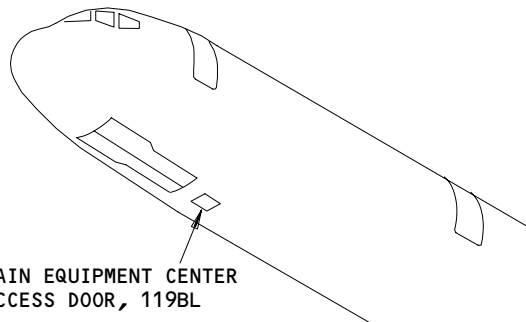
Engine Indication and Crew Alerting System - Component Index  
Figure 101

EFFECTIVITY

ALL

**31-41-00**

**BOEING**  
757  
FAULT ISOLATION/MAINT MANUAL



Engine Indication and Crew Alerting System - Component Location  
Figure 102 (Sheet 1)

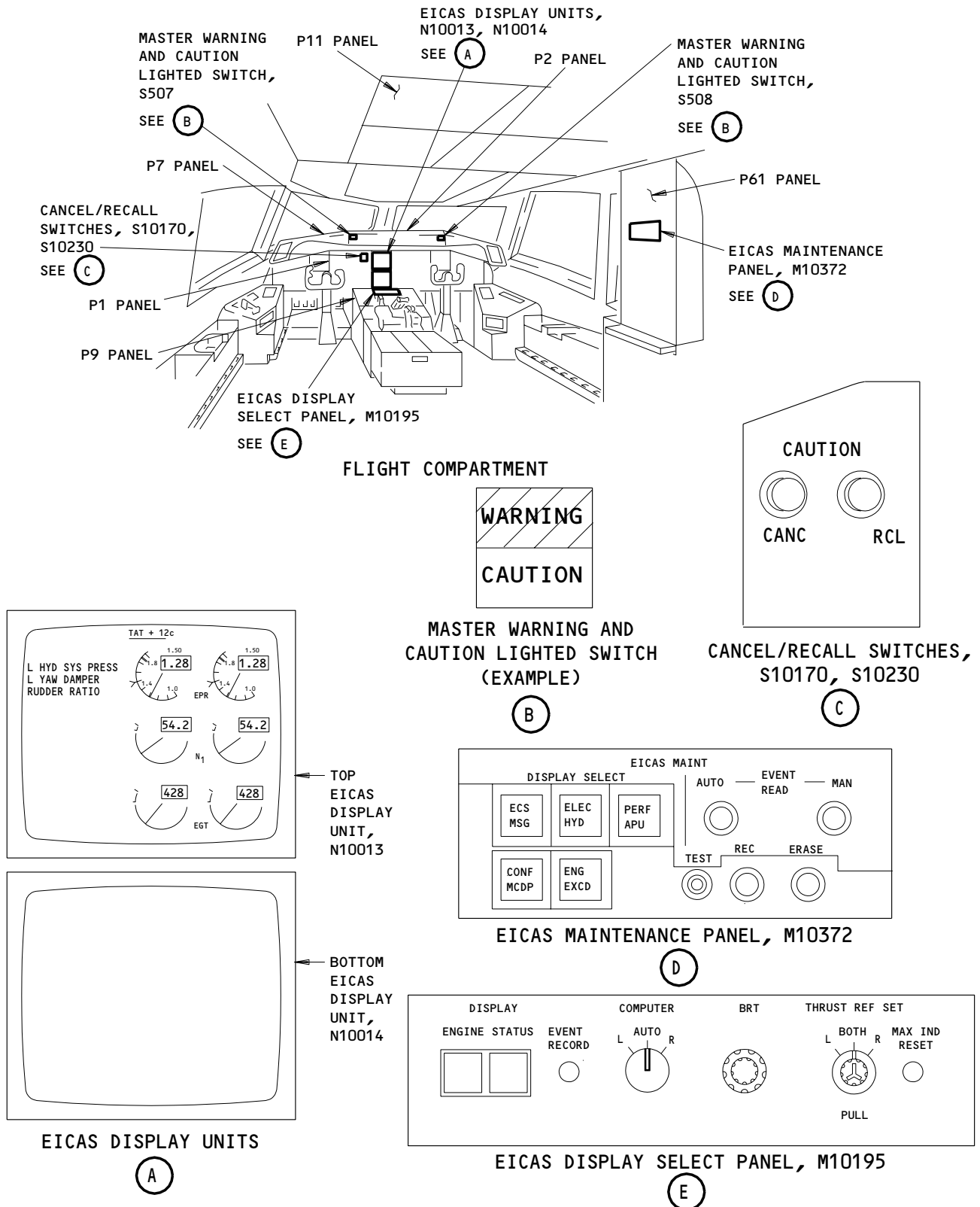
|             |     |
|-------------|-----|
| EFFECTIVITY | ALL |
|-------------|-----|

**31-41-00**

# BOEING

## 757

### FAULT ISOLATION/MAINT MANUAL



Engine Indication and Crew Alerting System - Component Location  
Figure 102 (Sheet 2)

EFFECTIVITY

ALL

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187793

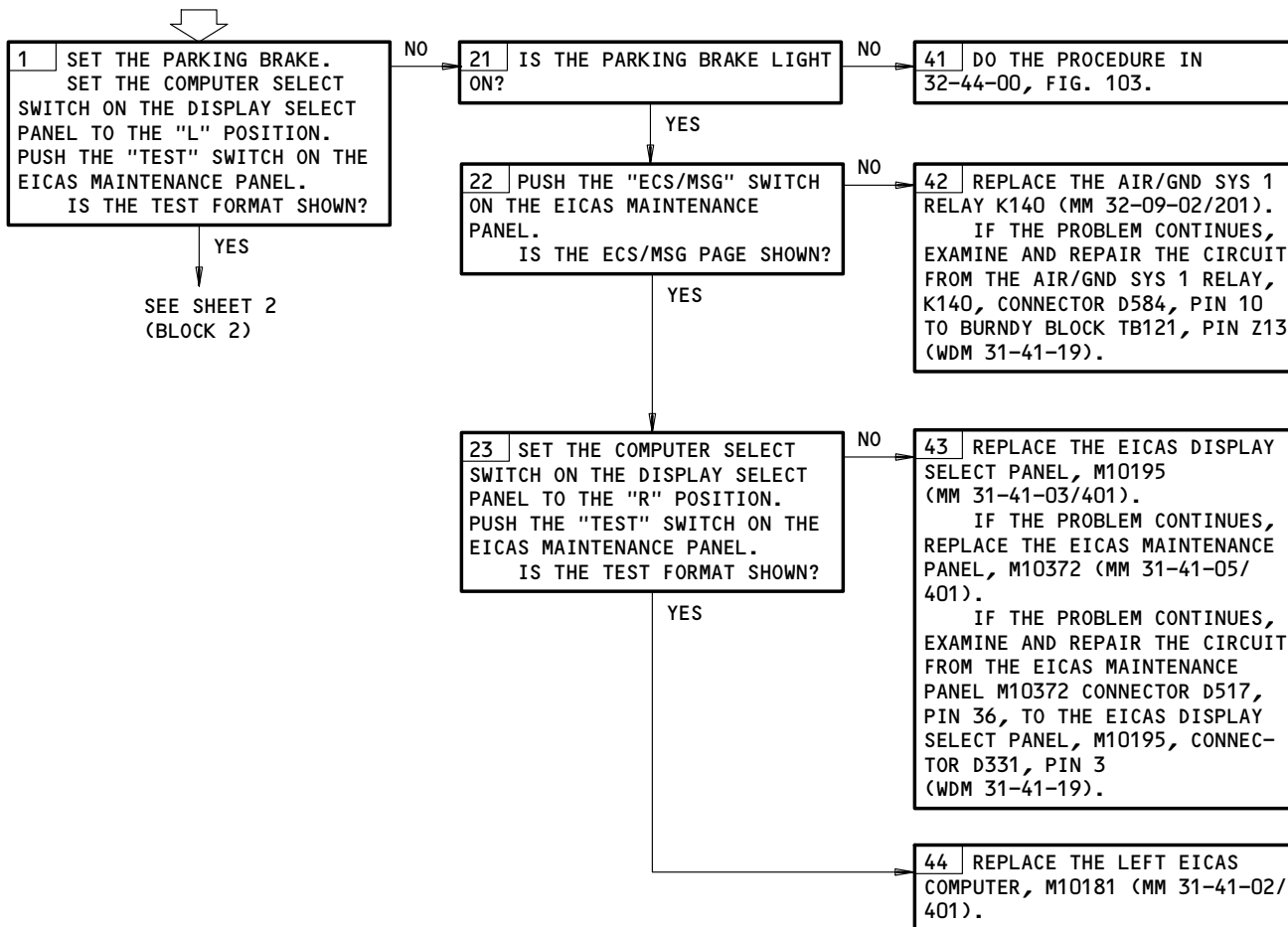
**PREREQUISITES**

MAKE SURE THESE CIRCUIT BREAKERS ARE CLOSED:  
11J2,11J3,11J29,11J30,11J31,11J32

MAKE SURE THE AIRPLANE IS IN THE CONFIGURATION THAT FOLLOWS:

ELECTRICAL POWER IS ON (MM 24-22-00/201)

**NOTE:** THE "LEFT (RIGHT) CMPTR FAIL" MESSAGE THAT SHOWS ON THE EICAS TEST PAGE IS USED AS A MAINTENANCE LEVEL MESSAGE UNLESS A "L (R) EICAS CMPTR" STATUS MESSAGE OCCURS WITH IT. MAKE A RECORD OF ALL MESSAGES.

**EICAS BITE  
PROCEDURE**


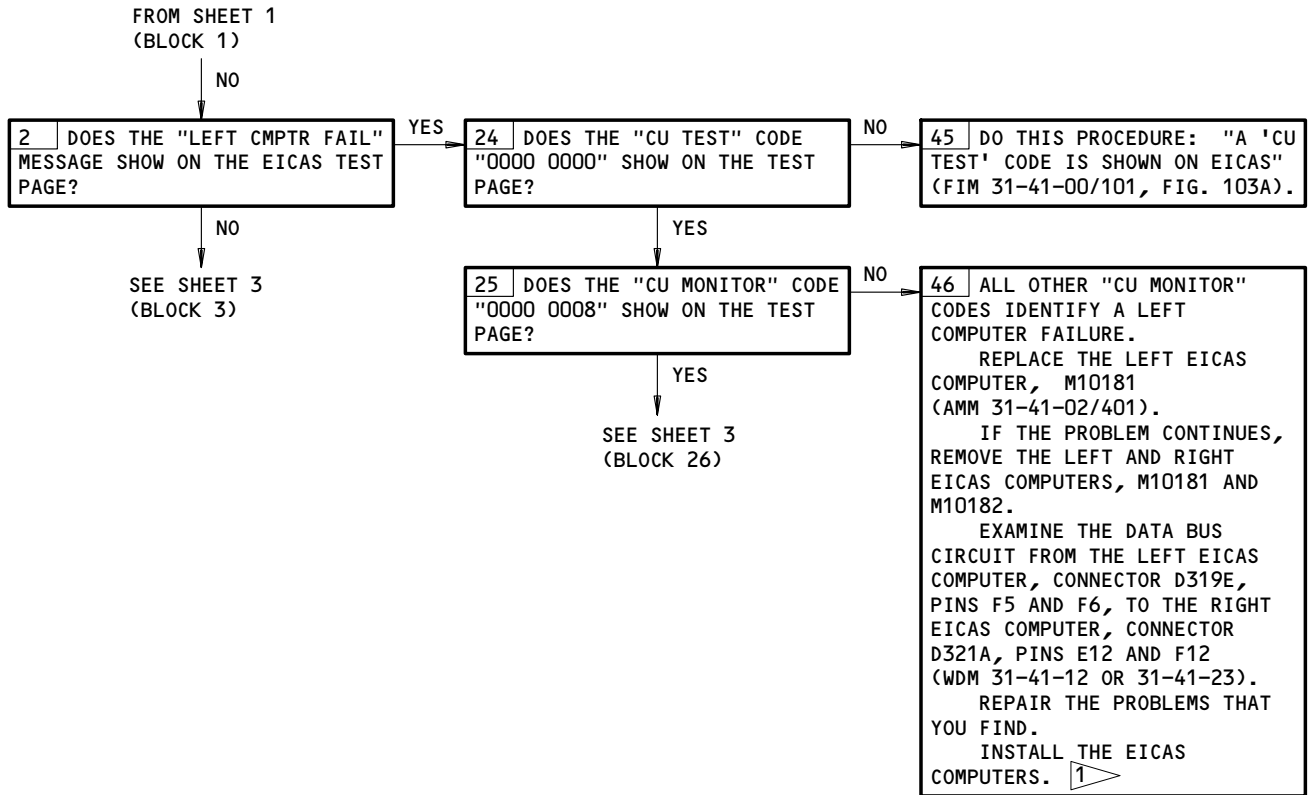
EICAS BITE Procedure  
(Figure 103 (Sheet 1))

EFFECTIVITY  
AIRPLANES WITH PRE  
-1000 SERIES EICAS

31-41-00



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FAULT ISOLATION/MAINT MANUAL



1 PUSH THE "TEST" SWITCH ON THE EICAS MAINTENANCE PANEL TO GO OUT OF THE TEST PAGE.

EICAS BITE Procedure  
Figure 103 (Sheet 2)

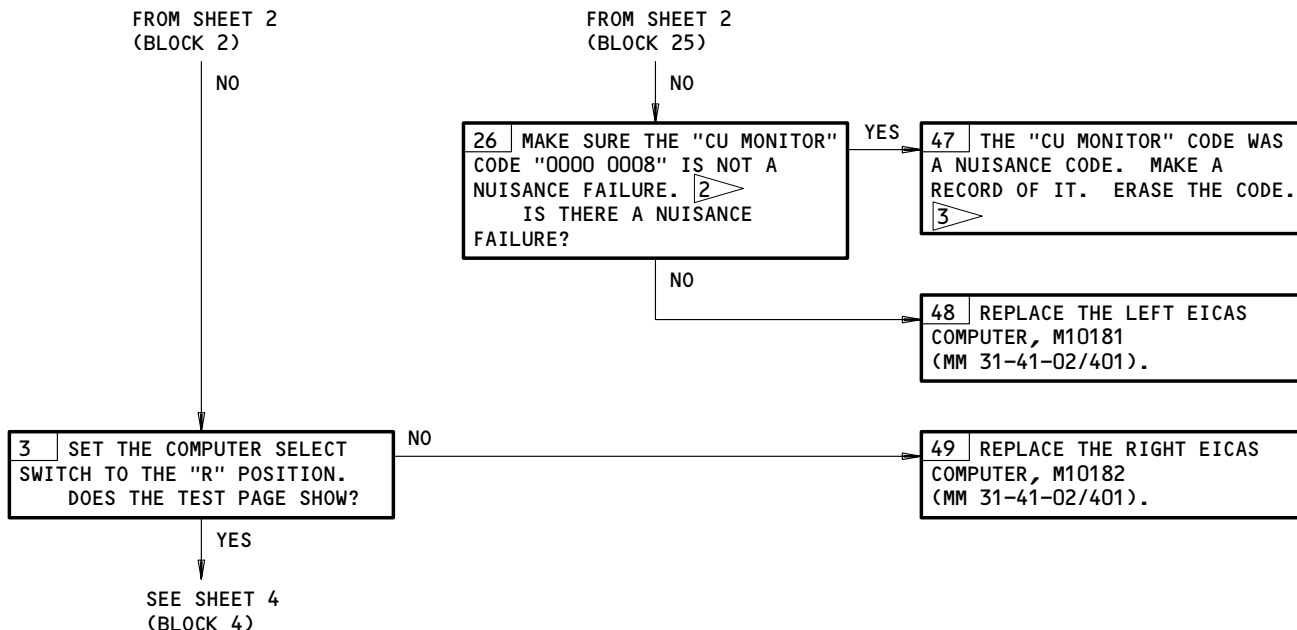
EFFECTIVITY  
AIRPLANES WITH PRE  
-1000 SERIES EICAS

31-41-00

02

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**BOEING**  
757  
FAULT ISOLATION/MAINT MANUAL



2 TO FIND IF THERE IS A NUISANCE FAILURE, MAKE SURE THESE CIRCUIT BREAKERS ARE CLOSED:

- 11K9, LEFT ENGINE OIL PRESS
- 11K17, HYDRAULIC SYSTEM PRESS L
- 11K18, HYDRAULIC SYSTEM PRESS C
- 11K26, HYDRAULIC SYSTEM PRESS R
- 11K35, RIGHT ENGINE OIL PRESS

GO OUT OF THE TEST PAGE. MAKE SURE THESE DISPLAYS SHOW DATA WHEN YOU SET THEM TO THE LEFT EICAS COMPUTER AND THE RIGHT EICAS COMPUTER. IF THE DISPLAY SHOWS DATA, THERE IS A NUISANCE FAILURE.

DISPLAY

HYD PRESS L,C,R  
OIL PRESS L,R

EICAS PAGE

(ELEC/HYD)  
(SEC ENG DISPLAY)

3 MAKE A RECORD OF THE CU MONITOR CODE. ERASE THE CU MONITOR CODE FROM THE APPLICABLE COMPUTER AS FOLLOWS:

- 1) PUSH THE "ERASE" SWITCH TWO TIMES ON THE EICAS MAINTENANCE PANEL, P61.

**NOTE:** PUSH THE SWITCH ONCE. AFTER APPROXIMATELY 1 SECOND, PUSH IT AGAIN.

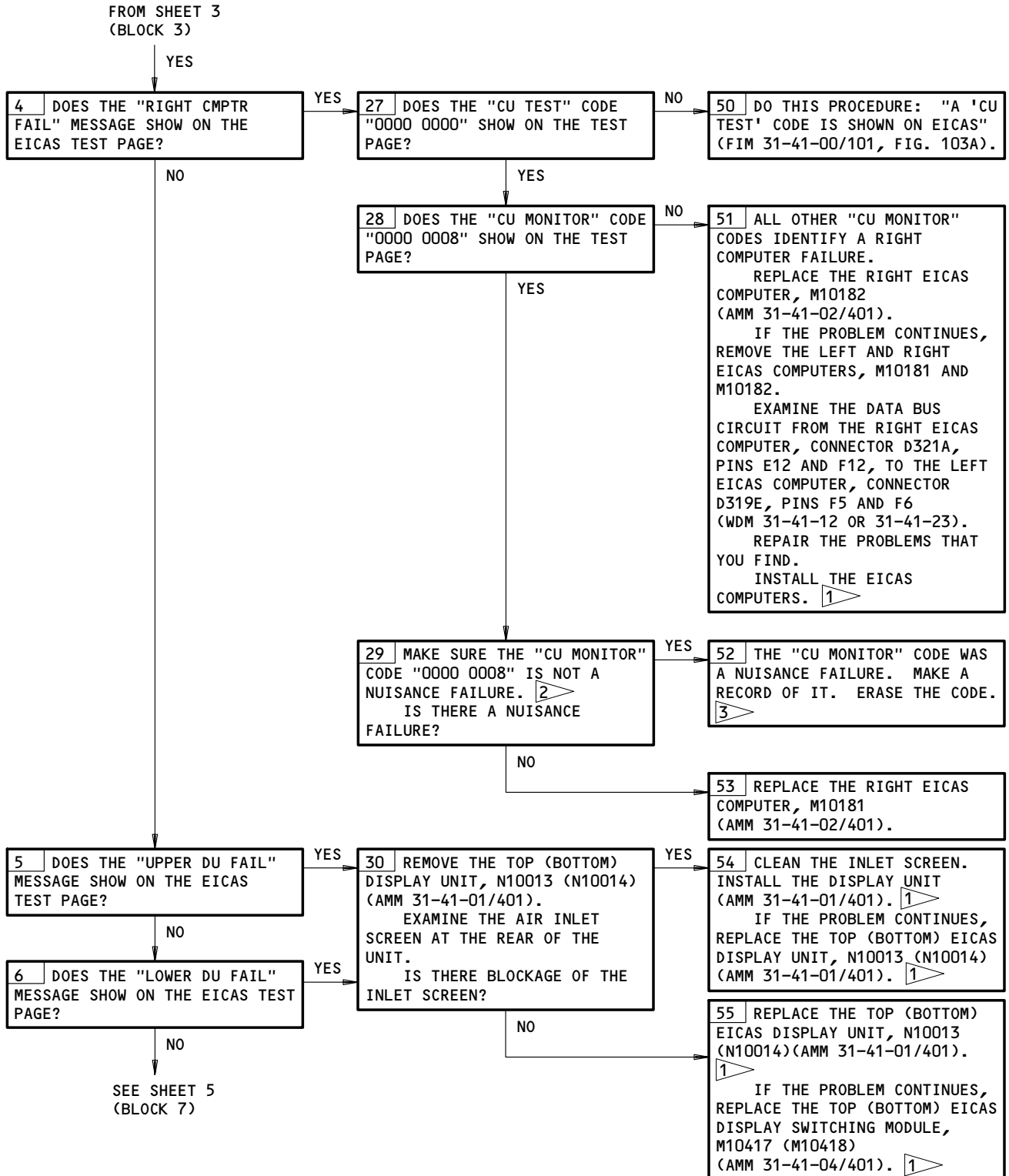
- 2) PUSH THE "TEST" SWITCH TO GO OUT OF THE TEST PAGE.
- 3) AFTER 2 MINUTES, PUSH THE "TEST" SWITCH TO GO TO THE TEST PAGE AGAIN.
- 4) ON THE EICAS DISPLAY SELECT PANEL, P9, SET THE COMPUTER SWITCH TO "L" AND THEN TO "R". MAKE SURE ALL CODES SHOW ZERO ON THE DISPLAYS FOR EACH COMPUTER.
- 5) PUSH THE "TEST" SWITCH TO SET THE DISPLAY TO THE USUAL CONDITION.
- 6) MAKE SURE THE EICAS MESSAGE, "EICAS BITE", DOES NOT SHOW.

EICAS BITE Procedure  
Figure 103 (Sheet 3)

EFFECTIVITY  
AIRPLANES WITH PRE  
-1000 SERIES EICAS

31-41-00

 **BOEING**  
757  
FAULT ISOLATION/MAINT MANUAL

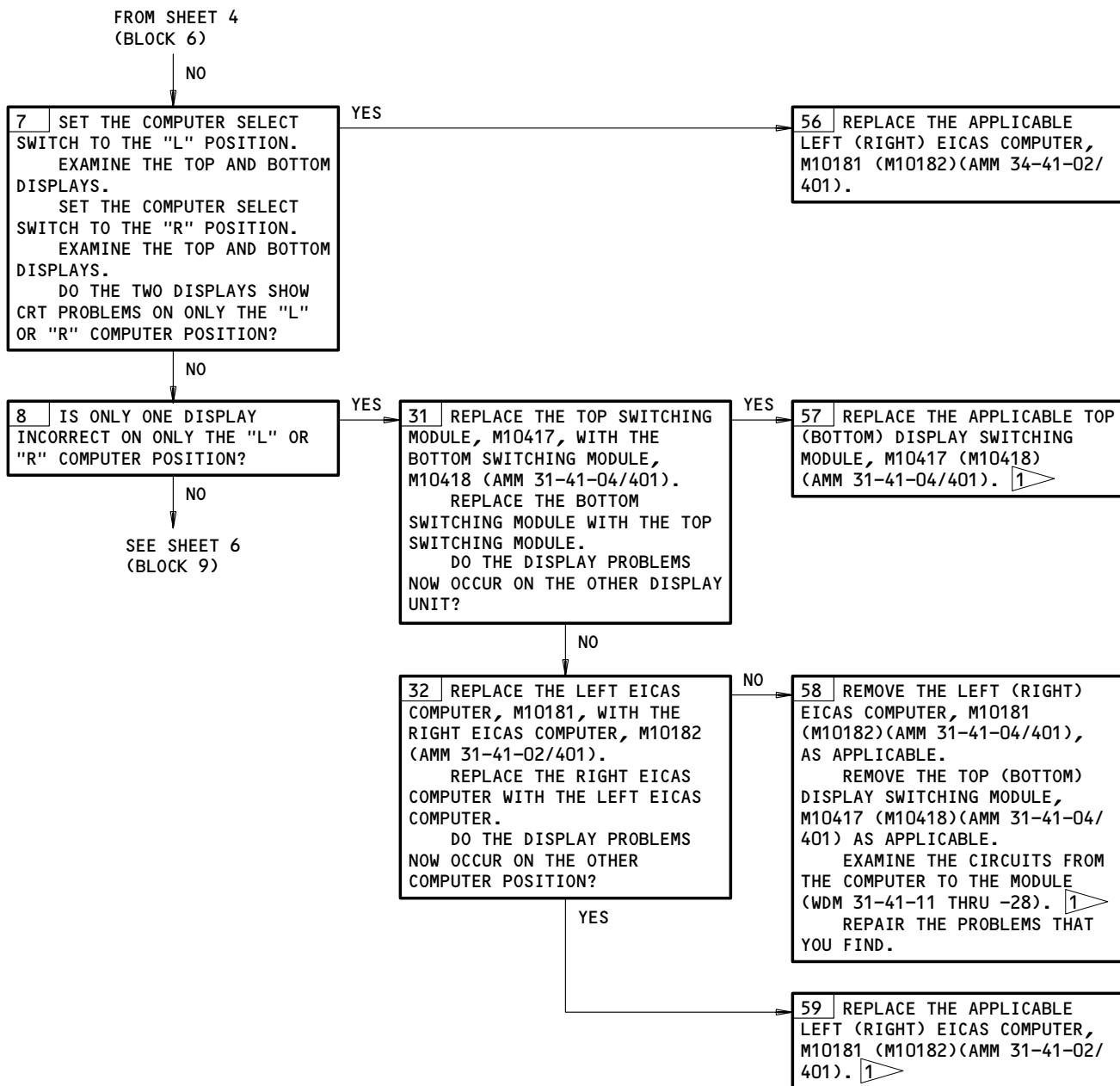


EICAS BITE Procedure  
Figure 103 (Sheet 4)

EFFECTIVITY  
AIRPLANES WITH PRE  
-1000 SERIES EICAS

**31-41-00**

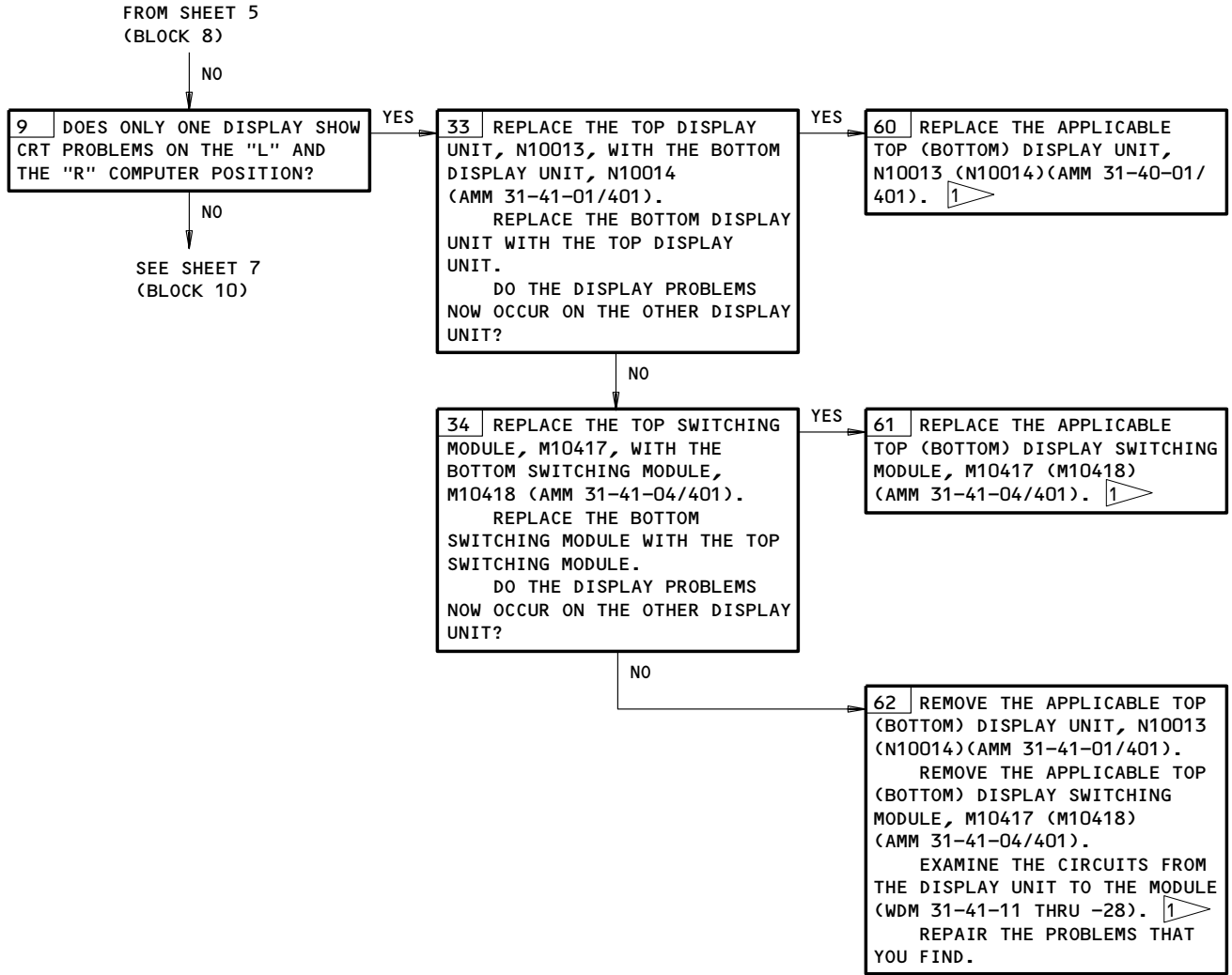
**BOEING**  
757  
FAULT ISOLATION/MAINT MANUAL



EICAS BITE Procedure  
Figure 103 (Sheet 5)

EFFECTIVITY  
AIRPLANES WITH PRE  
-1000 EICAS COMPUTERS

31-41-00

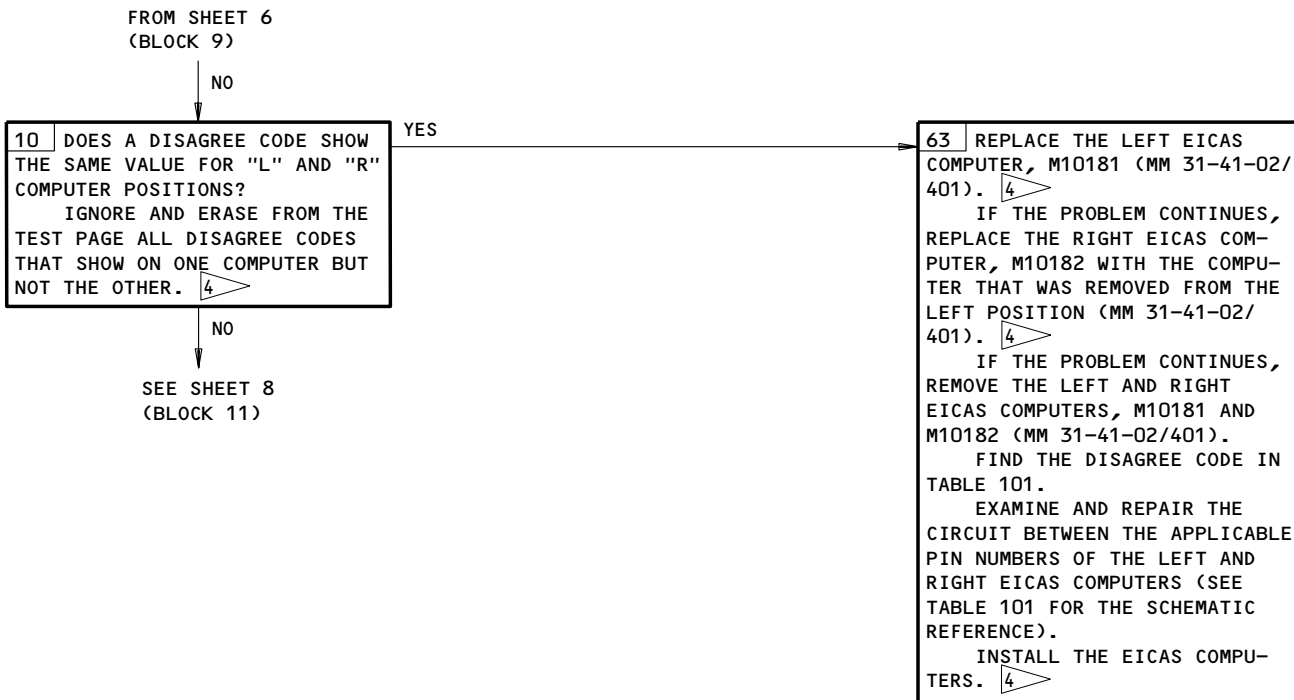


EICAS BITE Procedure  
Figure 103 (Sheet 6)

EFFECTIVITY  
AIRPLANES WITH PRE  
-1000 SERIES EICAS

31-41-00

**BOEING**  
757  
FAULT ISOLATION/MAINT MANUAL



MAKE A RECORD OF THE DISAGREE CODE. ERASE THE DISAGREE CODE FROM THE APPLICABLE COMPUTER AS FOLLOWS:

- 1) PUSH THE "ERASE" SWITCH TWO TIMES ON THE EICAS MAINTENANCE PANEL, P61.  
NOTE: PUSH THE SWITCH ONCE. AFTER APPROXIMATELY 1 SECOND, PUSH IT AGAIN.
- 2) PUSH THE "TEST" SWITCH TO GO OUT OF THE TEST PAGE.
- 3) AFTER 2 MINUTES, PUSH THE "TEST" SWITCH TO GO TO THE TEST PAGE AGAIN.
- 4) ON THE EICAS DISPLAY SELECT PANEL, P9, SET THE COMPUTER SWITCH TO "L" AND THEN TO "R".  
MAKE SURE ALL CODES SHOW ZERO ON THE DISPLAYS FOR EACH COMPUTER.
- 5) PUSH THE "TEST" SWITCH TO SET THE DISPLAY TO THE USUAL CONDITION.
- 6) MAKE SURE THE EICAS MESSAGE, "EICAS DISAGREE", DOES NOT SHOW.

EICAS BITE Procedure  
Figure 103 (Sheet 7)

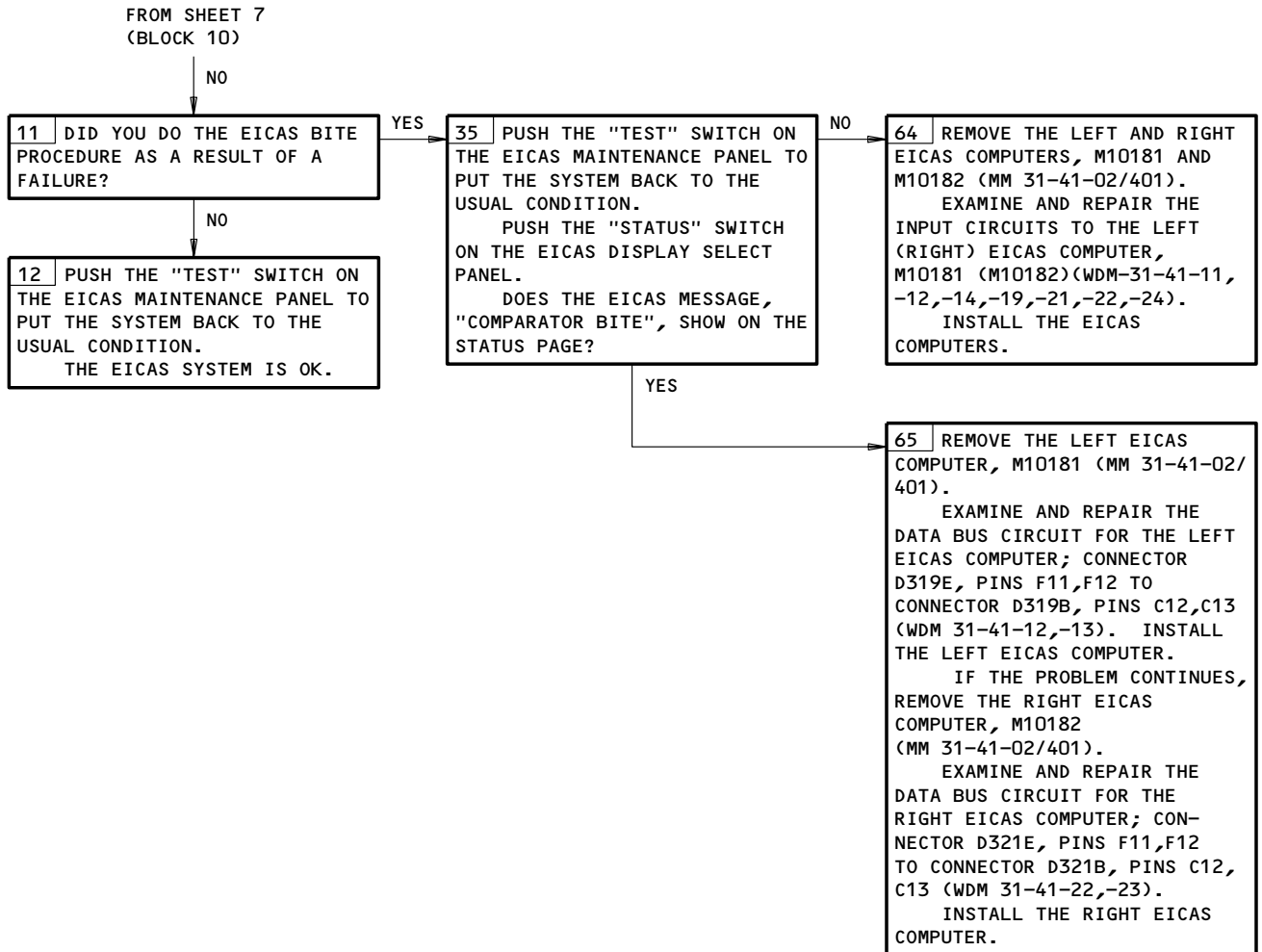
EFFECTIVITY  
AIRPLANES WITH PRE  
-1000 SERIES EICAS

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**BOEING**  
 757  
 FAULT ISOLATION/MAINT MANUAL



EICAS BITE Procedure  
Figure 103 (Sheet 8)

EFFECTIVITY  
AIRPLANES WITH PRE  
-1000 SERIES EICAS

31-41-00

03

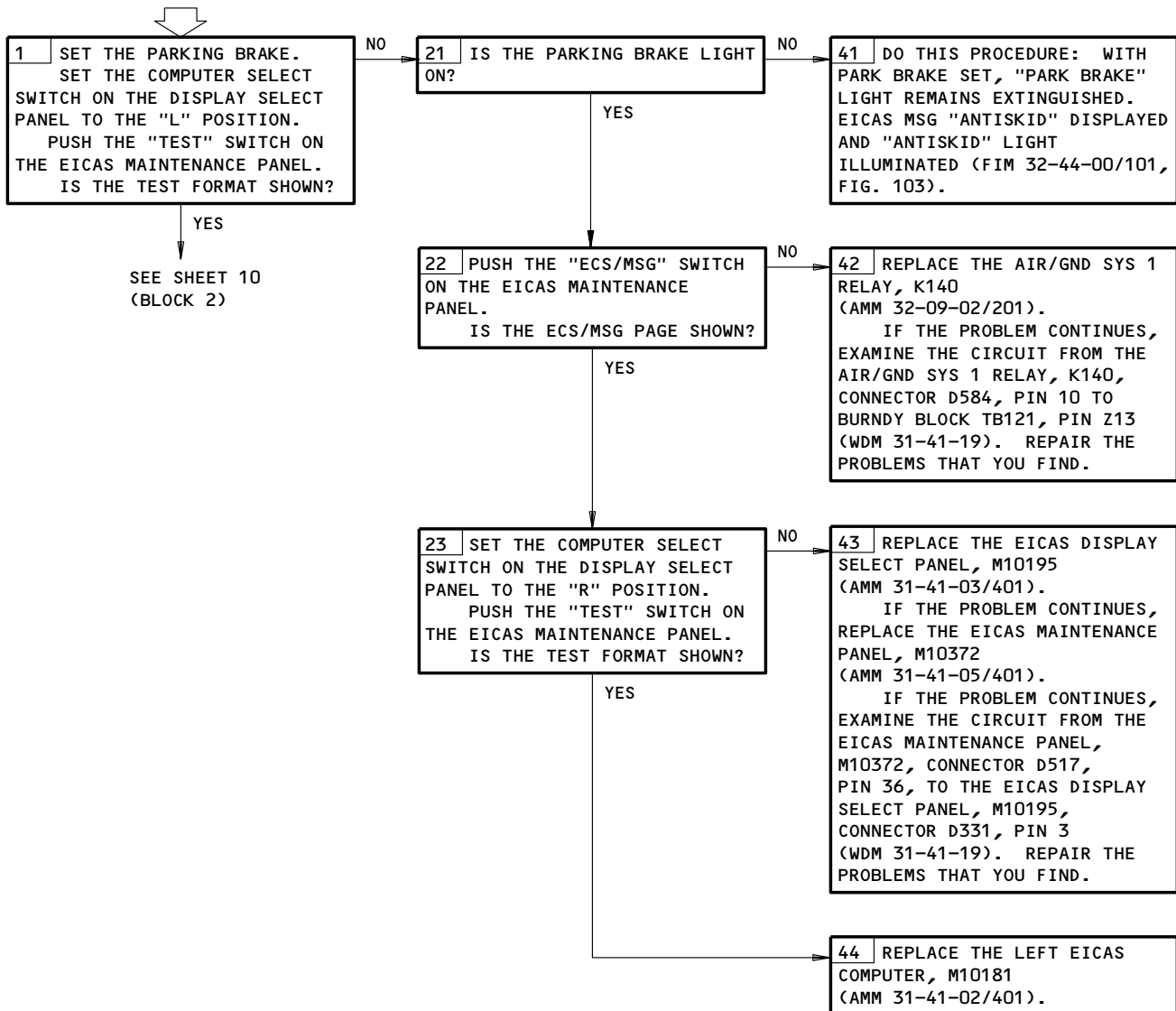
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**EICAS BITE  
PROCEDURE**

**PREREQUISITES**

MAKE SURE THESE CIRCUIT BREAKERS ARE CLOSED:  
 11J2, 11J3, 11J29, 11J30, 11J31, 11J32, 11S15,  
 11S19

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



EICAS BITE Procedure  
Figure 103 (Sheet 9)

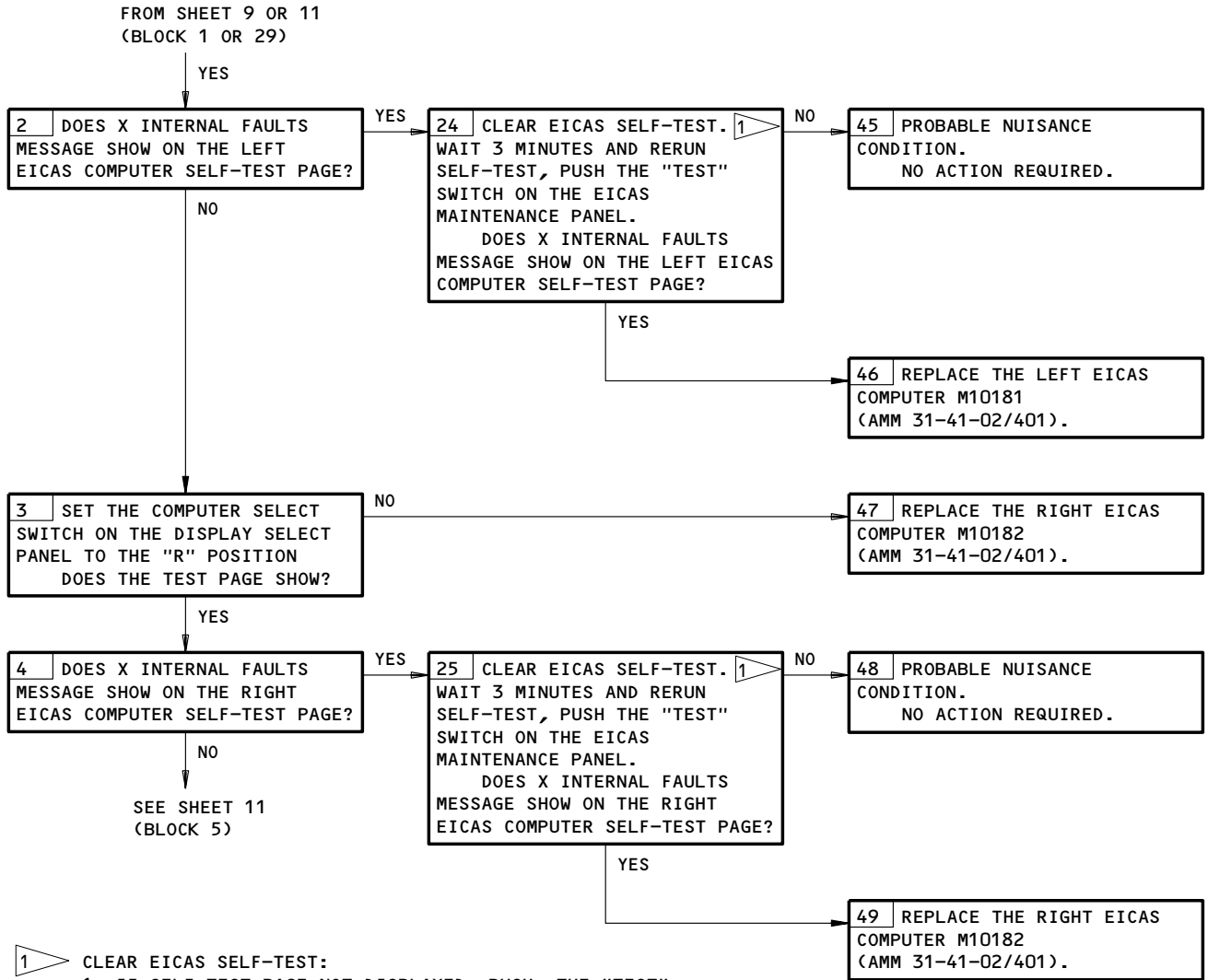
EFFECTIVITY  
 AIRPLANES WITH POST  
 -1000 SERIES EICAS

**31-41-00**

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**BOEING**  
757  
FAULT ISOLATION/MAINT MANUAL



- 1** CLEAR EICAS SELF-TEST:
1. IF SELF-TEST PAGE NOT DISPLAYED, PUSH THE "TEST" SWITCH ON THE EICAS MAINTENANCE PANEL.
  2. AFTER TEST IS COMPLETE RECORD ANY FAULTS THAT APPEAR. **2**
  3. PUSH "ERASE" TWICE TO CLEAR FAULTS.
  4. PUSH THE "TEST" SWITCH TO RETURN TO THE ENGINE PAGE.
  5. WAIT 3 MINUTES BEFORE YOU DO ANOTHER SELF-TEST.
- 2** VIEW FAULT REPORTS:
1. INSTRUCTIONS "TO ACCESS BITE FUNCTIONS, PRESS KEY TWICE:" APPEARS ON THE SELF-TEST PAGE IF A FAULT HAS BEEN RECORDED.
  2. PUSH "MAN" TWICE TO VIEW PRESENT STATUS
  3. PUSH "AUTO" TWICE TO VIEW FAULT HISTORY.
  4. FOLLOW THE INSTRUCTIONS AT THE BOTTOM OF THE PRESENT STATUS/FAULT HISTORY PAGE TO VIEW FAULT REPORTS.
  5. FOR EACH FAULT REPORT, WRITE DOWN ALL FAULT INFORMATION.
  6. PUSH "TEST" TO RETURN TO NORMAL OPERATION.
- 3** CLEAR FAULT HISTORY:
1. IF SELF-TEST DOES NOT DISPLAY PUSH THE "TEST" SWITCH ON THE EICAS MAINTENANCE PANEL.
  2. AFTER SELF-TEST IS COMPLETE PRESS "AUTO" TO VIEW FAULT HISTORY.
  3. PUSH "ERASE" TWICE TO CLEAR FAULTS.

EICAS BITE Procedure  
Figure 103 (Sheet 10)

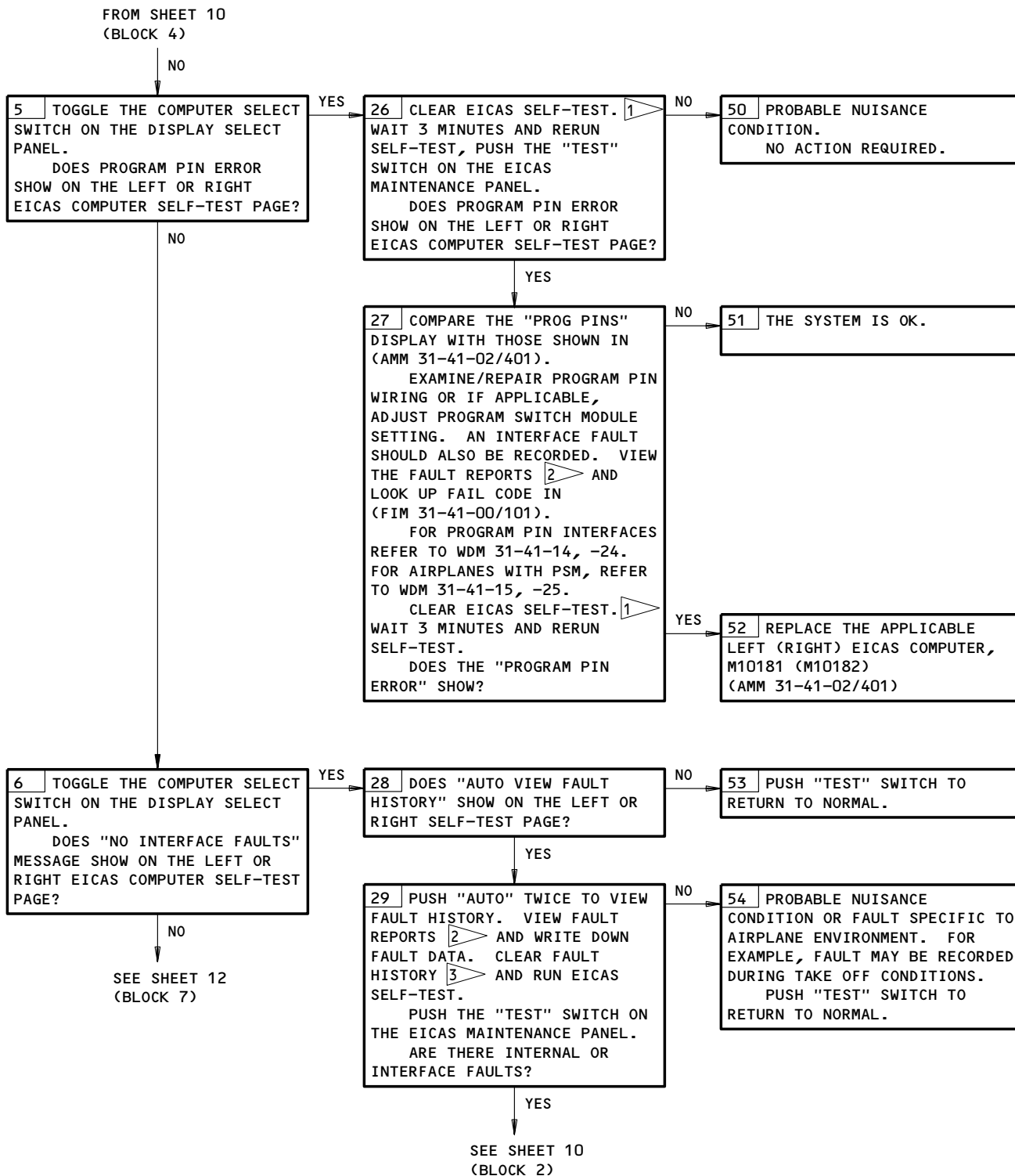
EFFECTIVITY  
AIRPLANES WITH POST  
-1000 SERIES EICAS

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03

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**BOEING**  
757  
FAULT ISOLATION/MAINT MANUAL



EICAS BITE Procedure  
Figure 103 (Sheet 11)

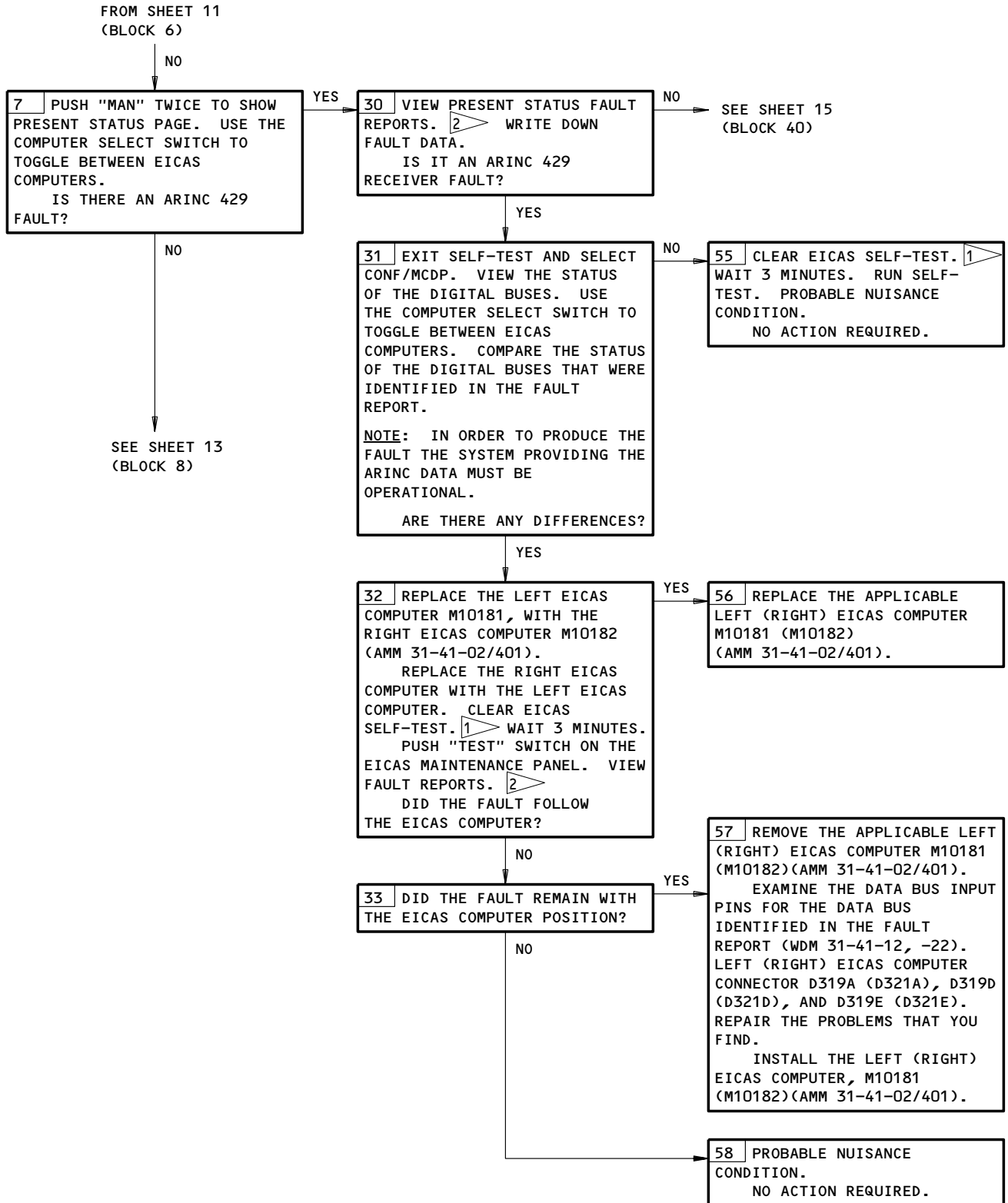
EFFECTIVITY  
AIRPLANES WITH POST  
-1000 SERIES EICAS

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03

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**BOEING**  
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FAULT ISOLATION/MAINT MANUAL



EICAS BITE Procedure  
Figure 103 (Sheet 12)

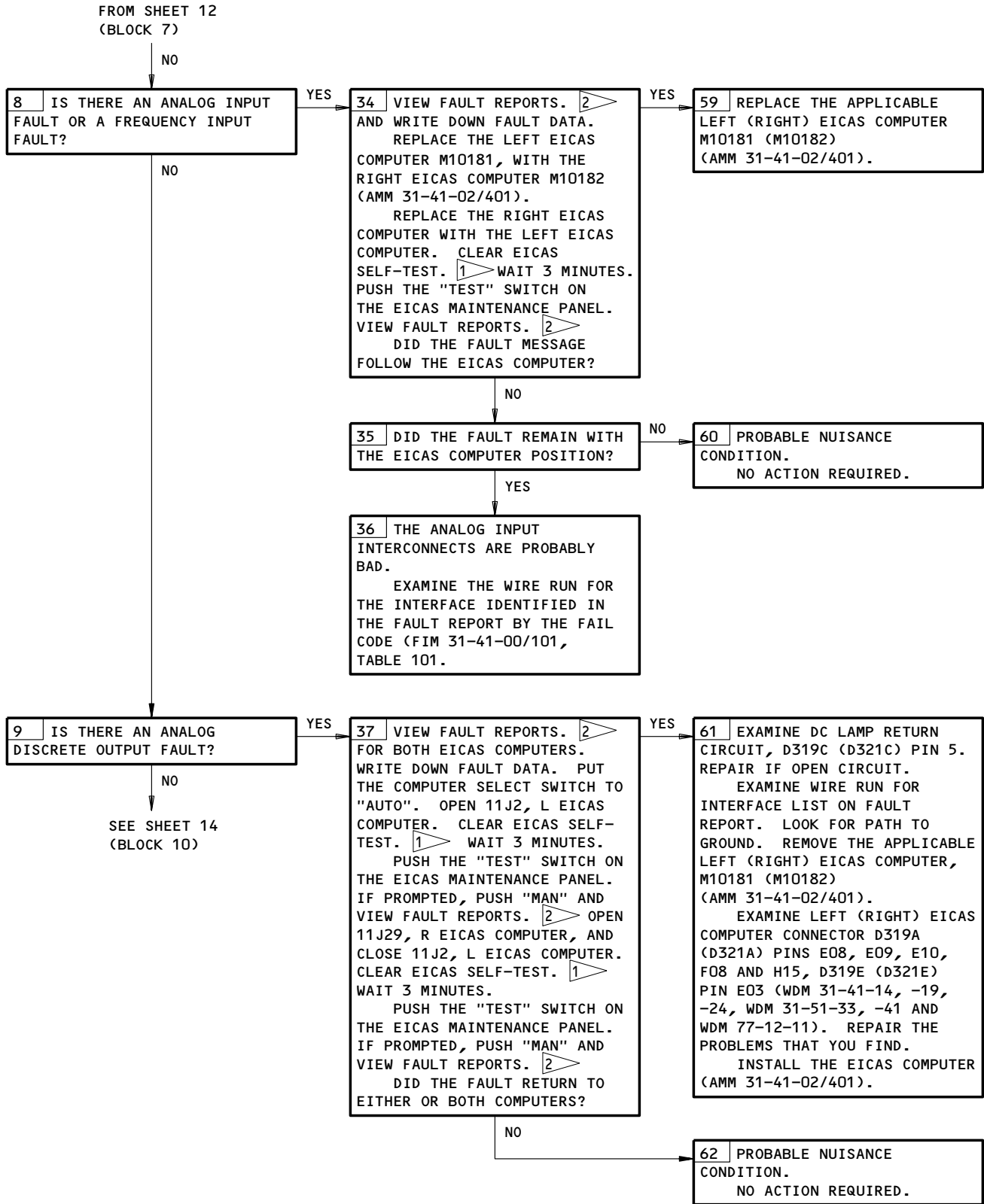
EFFECTIVITY  
AIRPLANES WITH POST  
-1000 SERIES EICAS

31-41-00

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**BOEING**  
757  
FAULT ISOLATION/MAINT MANUAL

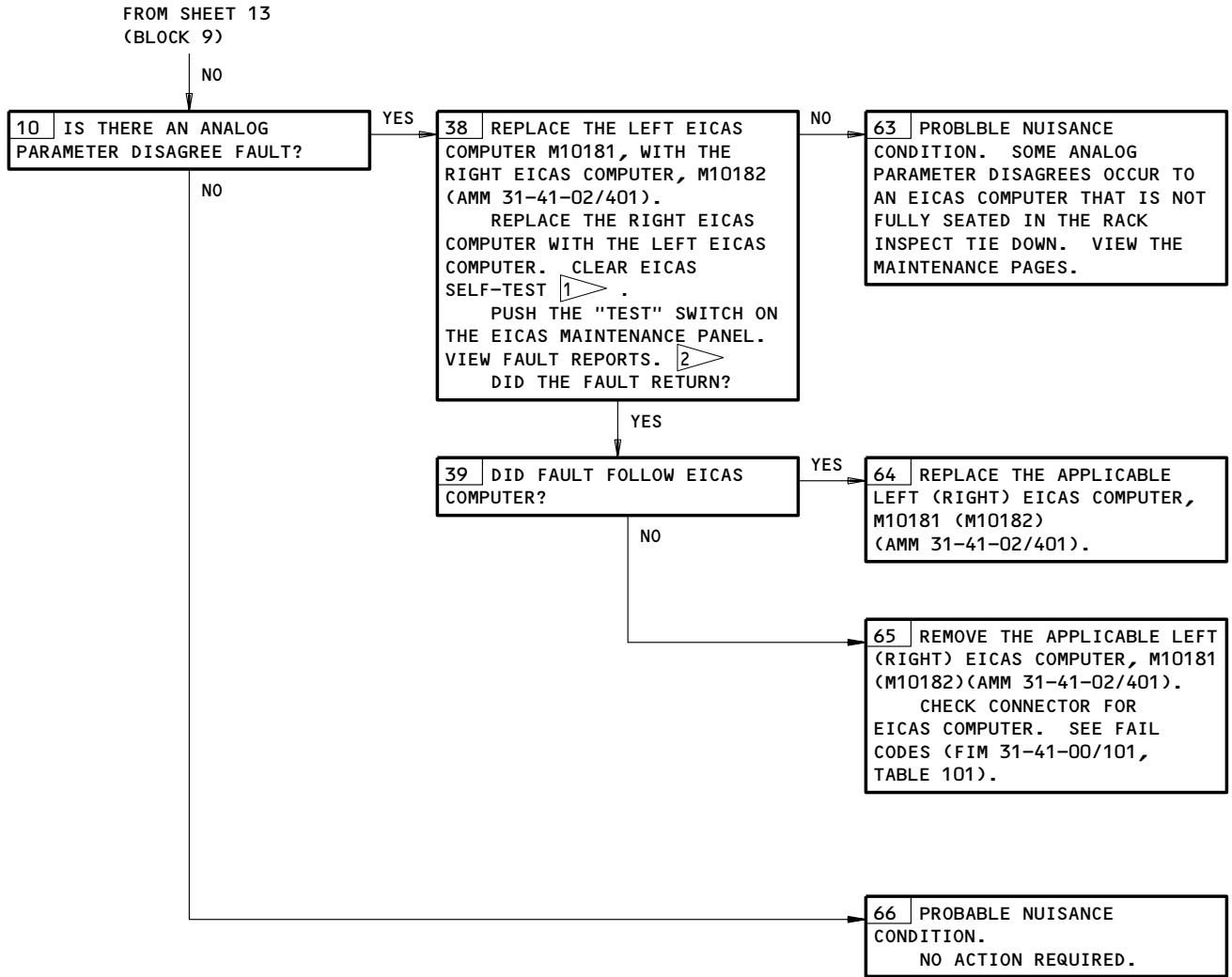


EICAS BITE Procedure  
Figure 103 (Sheet 13)

EFFECTIVITY  
AIRPLANES WITH POST  
-1000 SERIES EICAS

31-41-00

**BOEING**  
757  
FAULT ISOLATION/MAINT MANUAL



EICAS BITE Procedure  
Figure 103 (Sheet 14)

EFFECTIVITY  
AIRPLANES WITH POST  
-1000 SERIES EICAS

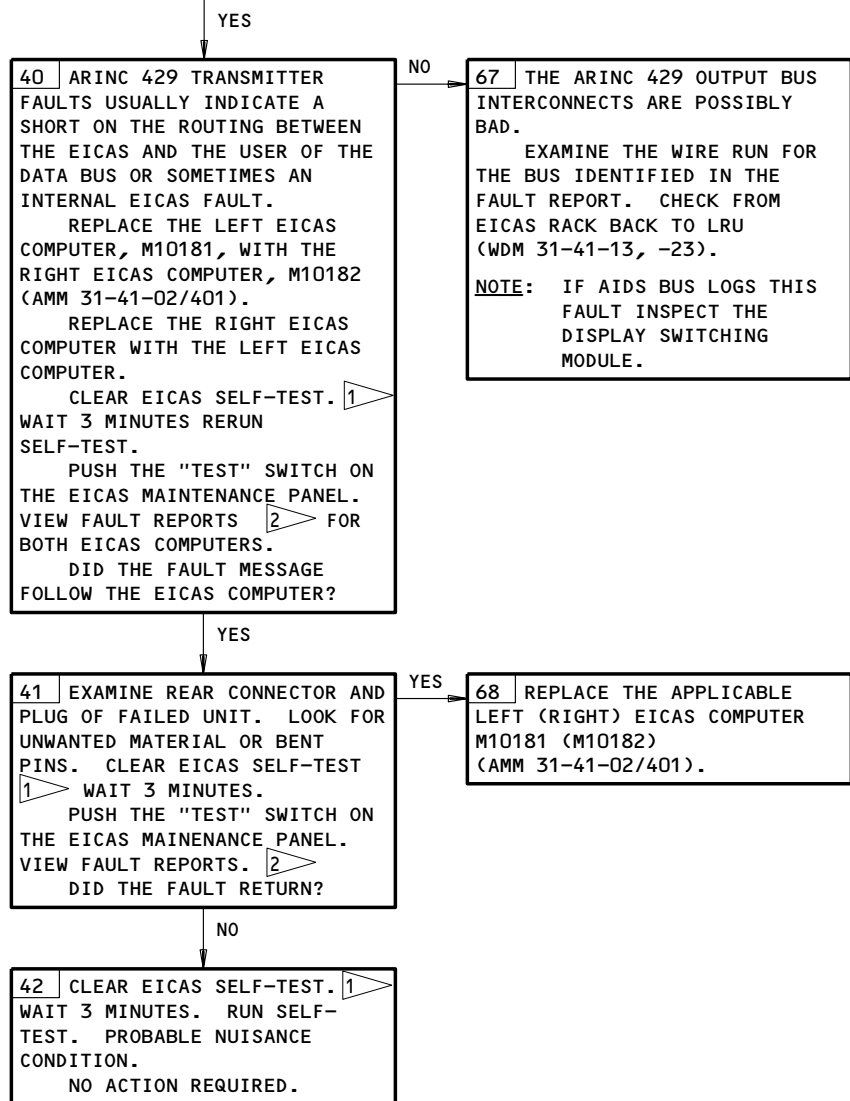
**31-41-00**

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**BOEING**  
757  
FAULT ISOLATION/MAINT MANUAL

FROM SHEET 12  
(BLOCK 30)



EICAS BITE Procedure  
Figure 103 (Sheet 15)

EFFECTIVITY  
AIRPLANES WITH POST  
-1000 SERIES EICAS

31-41-00

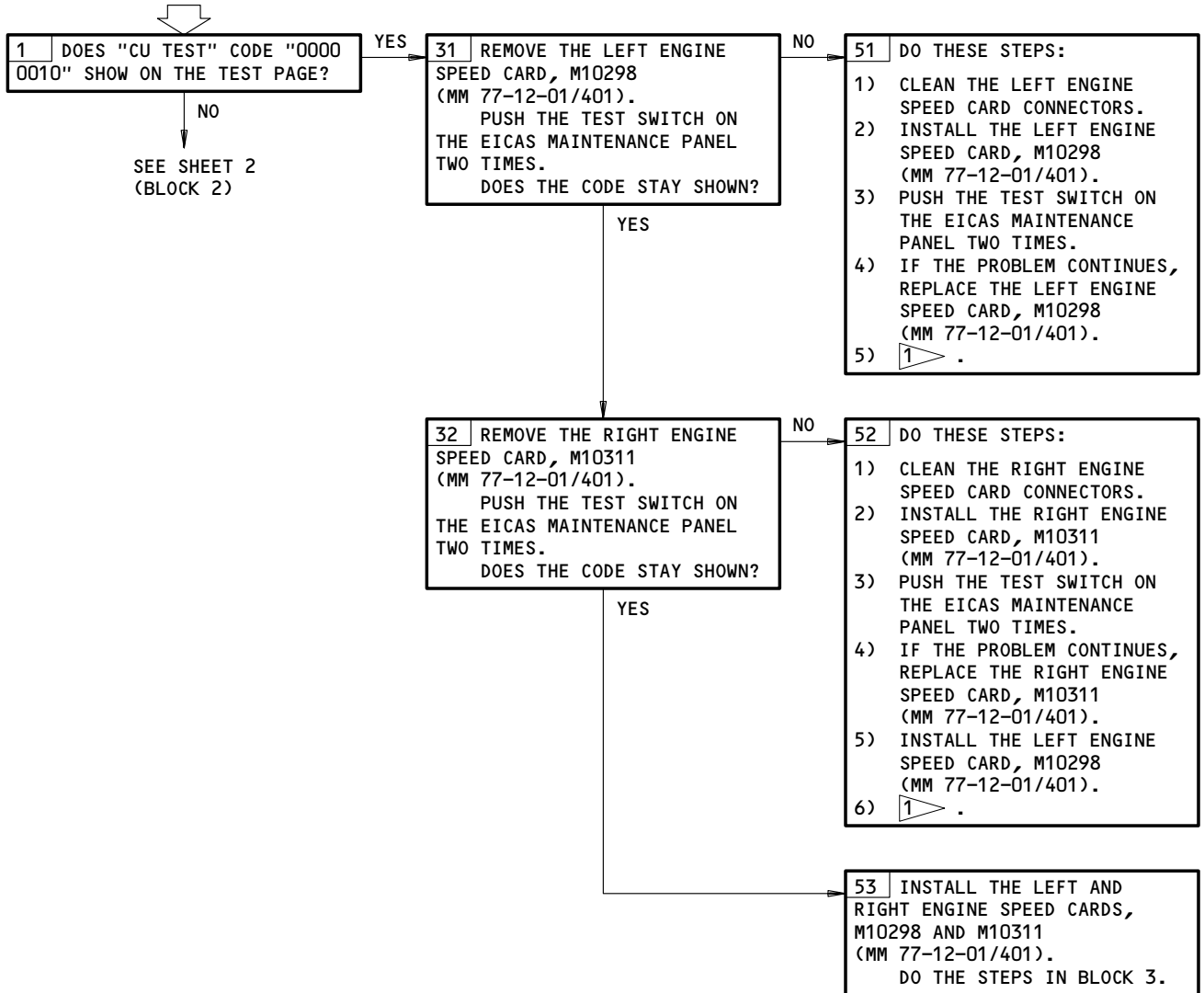
**PREREQUISITES**

MAKE SURE THIS SYSTEM WILL OPERATE:  
MASTER DIM AND TEST (MM 33-16-00/501)

MAKE SURE THESE CIRCUIT BREAKERS ARE CLOSED:  
11J2,11J3,11J29,11J30,11J31,11J32

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

A "CU TEST" CODE  
IS SHOWN ON EICAS

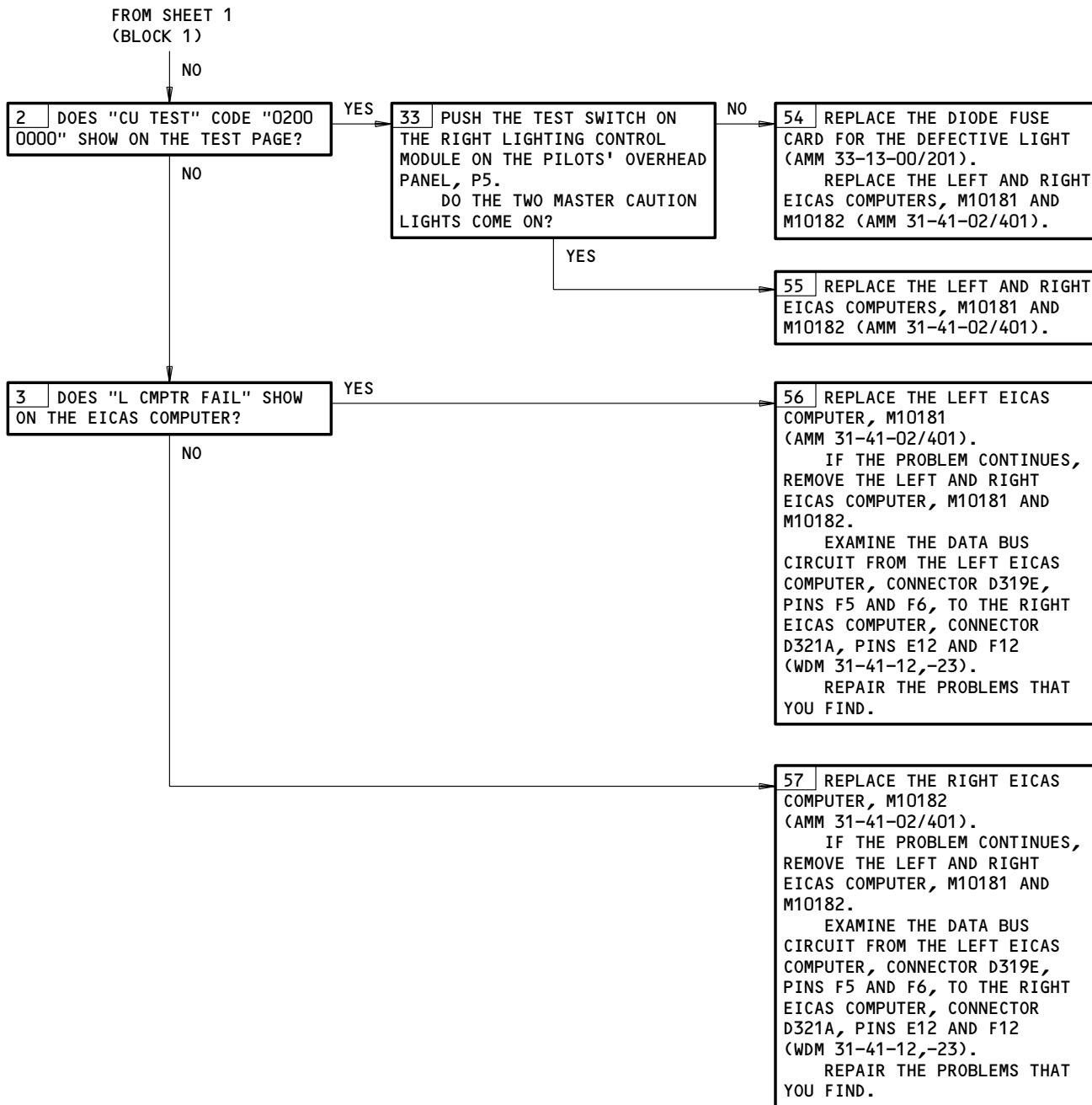


1 PUSH THE TEST SWITCH ON THE EICAS MAINTENANCE PANEL TO EXIT THE TEST PAGE.

A CU TEST Code is Shown on EICAS  
Figure 103A (Sheet 1)

|             |     |
|-------------|-----|
| EFFECTIVITY | ALL |
|-------------|-----|

**31-41-00**



A CU TEST Code is Shown on EICAS  
Figure 103A (Sheet 2)

|             |     |
|-------------|-----|
| EFFECTIVITY | ALL |
|-------------|-----|

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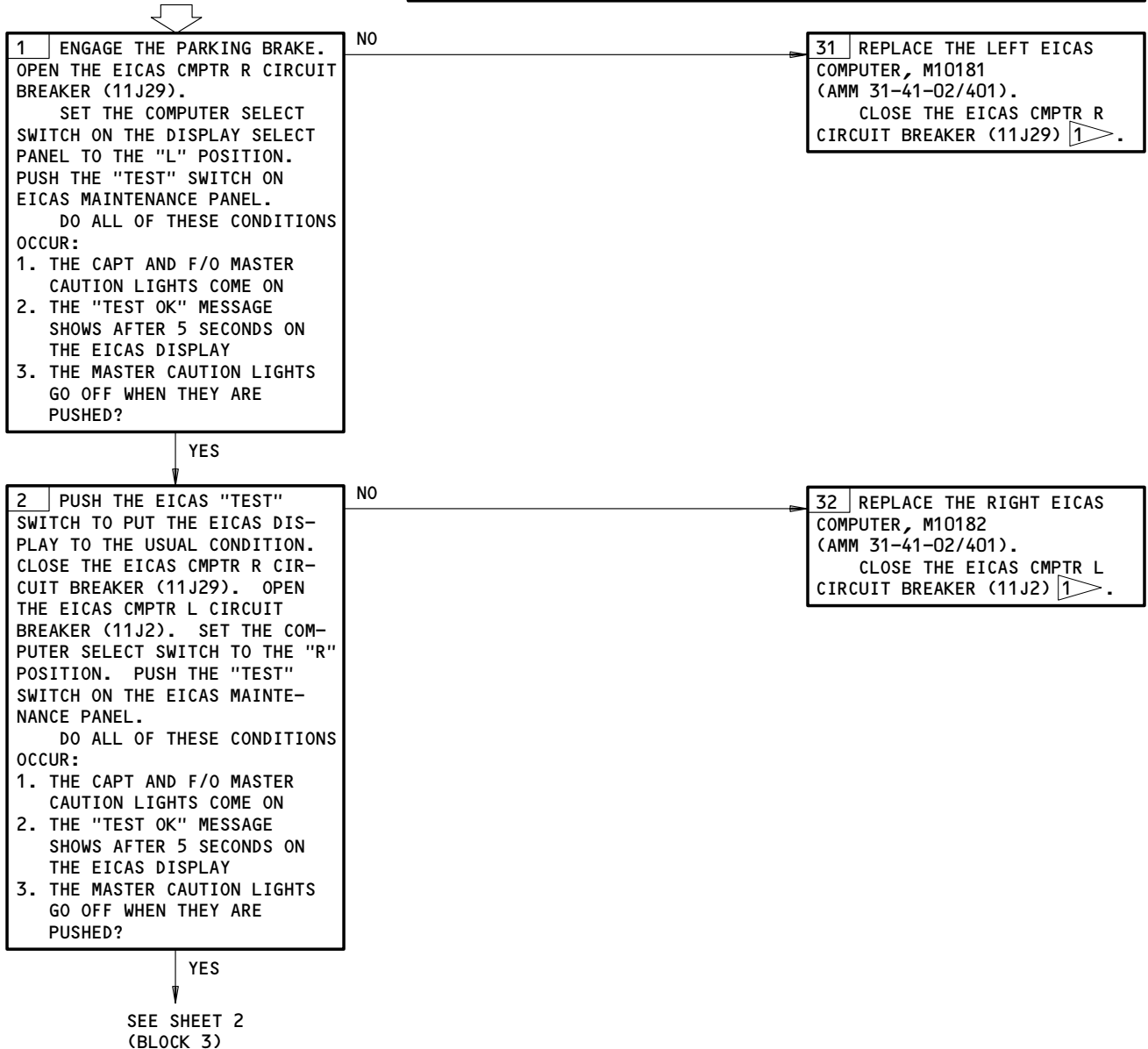
"DISCRETE DISAGREE"  
CODE "0999" SHOWS  
ON EICAS

**PREREQUISITES**

MAKE SURE THIS SYSTEM WILL OPERATE:  
EICAS (AMM 31-41-00/201)

MAKE SURE THESE CIRCUIT BREAKERS ARE CLOSED:  
11J2,11J3,11J29,11J30,11J31,11J32

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



DISCRETE DISAGREE Code "0999" Shows on EICAS  
Figure 103B (Sheet 1)


EFFECTIVITY  
ALL EXCEPT -111 AND SUBSEQUENT EICAS  
COMPUTERS


**31-41-00**

 **BOEING**  
757  
FAULT ISOLATION/MAINT MANUAL

FROM SHEET 1  
(BLOCK 2)

NO

3 THIS IS A NUISANCE CODE  
999. MAKE SURE THE EICAS  
COMPUTERS ARE SEATED PROPERLY  
IN THE RACK AND THE RACK  
CONNECTORS MAKE GOOD CONTACT  
WITH THE CONNECTORS ON THE  
BACK OF THE EICAS COMPUTERS.  
CLOSE THE EICAS CMPTR  
L CIRCUIT BREAKER (11J2).  
IGNORE THE "DISCRETE  
DISAGREE" CODE "0999" .  
THE EICAS SYSTEM IS OK.

 MAKE A RECORD OF THE DISAGREE CODE. ERASE THE DISAGREE CODE FROM THE APPLICABLE COMPUTER AS FOLLOWS:

1. PUSH THE "ERASE" SWITCH TWO TIMES ON THE EICAS MAINTENANCE PANEL, P61.

NOTE: PUSH THE SWITCH ONCE. AFTER APPROXIMATELY 1 SECOND, PUSH IT AGAIN.

2. PUSH THE "TEST" SWITCH TO GO OUT OF THE TEST PAGE

3. AFTER 2 MINUTES, PUSH THE "TEST" SWITCH TO GO TO THE TEST PAGE AGAIN

4. ON THE EICAS DISPLAY SELECT PANEL, P9, SET THE COMPUTER SWITCH TO "L" AND THEN TO "R"  
MAKE SURE ALL CODES SHOW ZERO ON THE DISPLAYS FOR EACH COMPUTER

5. PUSH THE "TEST" SWITCH TO SET THE DISPLAY TO THE USUAL CONDITION

6. MAKE SURE THE EICAS MESSAGE, "EICAS DISAGREE", DOES NOT SHOW.

NOTE: IF YOU CANNOT ERASE THE DISAGREE CODE, MAKE SURE YOU CORRECT ALL OTHER DISAGREE CODES FIRST. INTERMIXES OF THE EICAS COMPUTERS WITH DIFFERENT CAUTION LEVEL MESSAGE LOGIC WILL CAUSE A 999 DISAGREE CODE.

DISCRETE DISAGREE Code "0999" Shows on EICAS  
Figure 103B (Sheet 2)

EFFECTIVITY  
ALL EXCEPT -111 AND SUBSEQUENT EICAS  
COMPUTERS

31-41-00

02

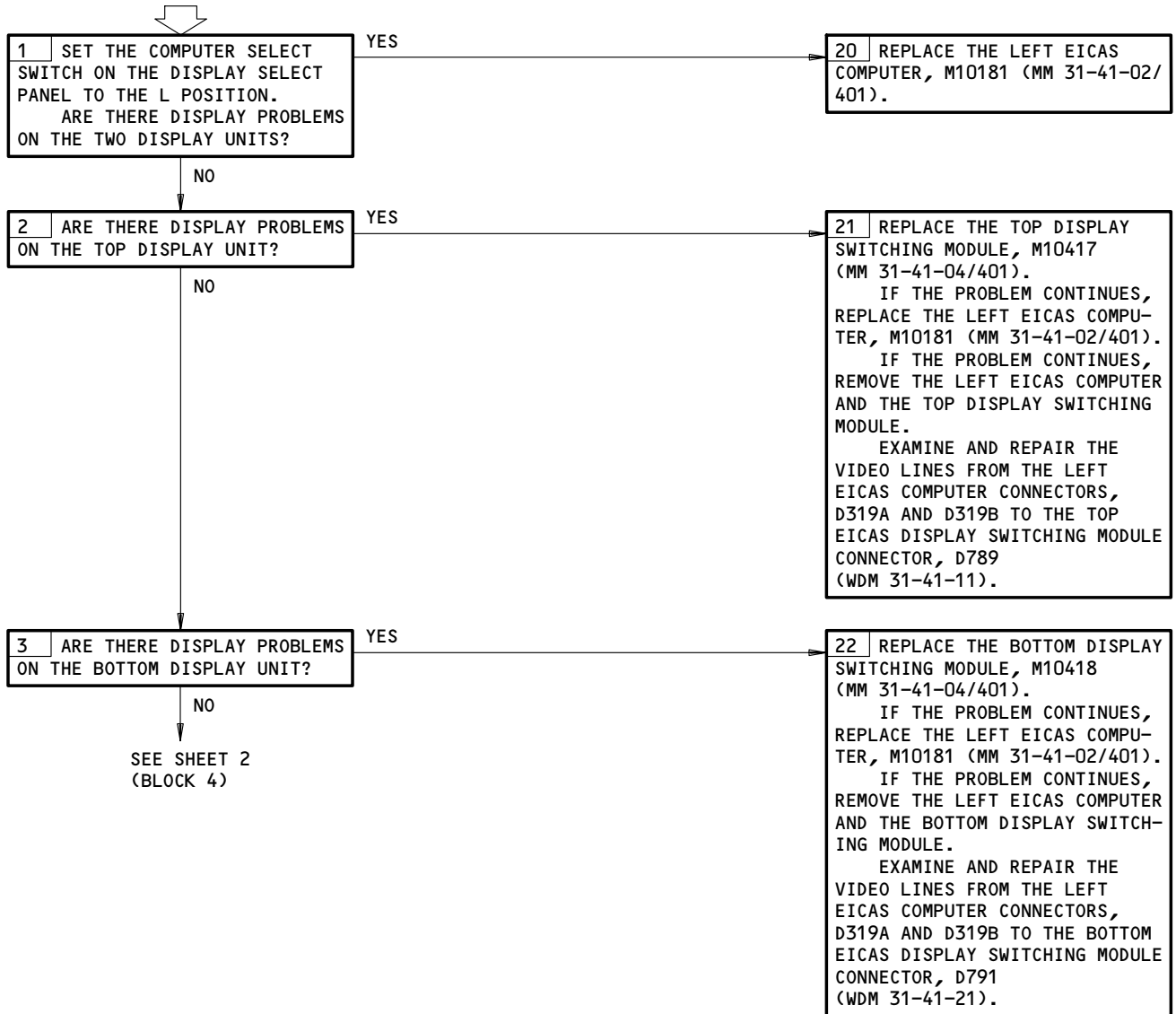
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**PREREQUISITES**

MAKE SURE THESE CIRCUIT BREAKERS ARE CLOSED:  
11J2,11J3,11J29,11J30,11J31,11J32

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

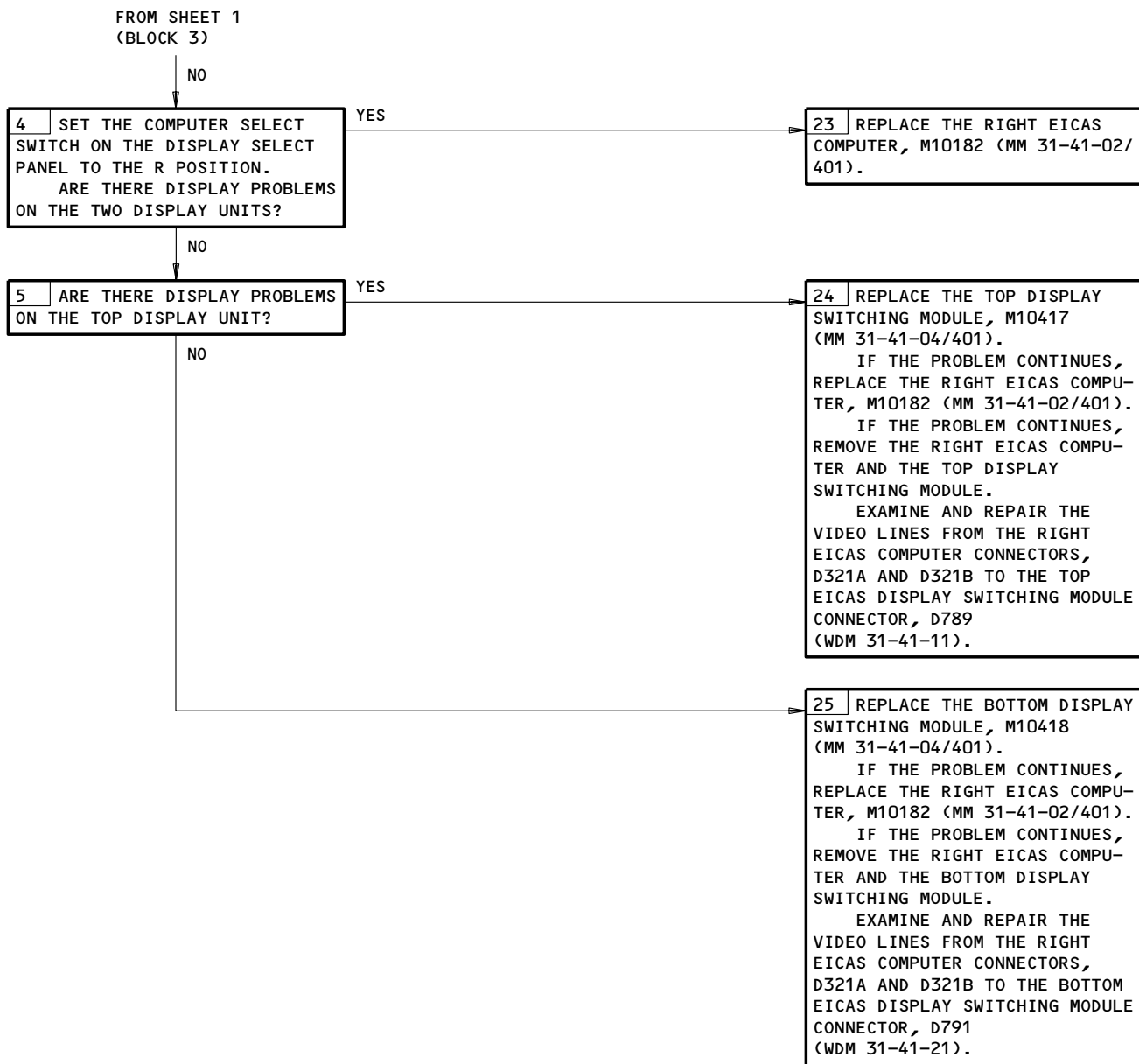
**DISPLAY PROBLEMS –  
ALT CMPTR CORRECTS  
PROBLEMS**



Display Problems - Alt Cmptr Corrects Problems  
Figure 104 (Sheet 1)

|             |     |
|-------------|-----|
| EFFECTIVITY | ALL |
|-------------|-----|

**31-41-00**



Display Problems - Alt Cmptr Corrects Problems  
Figure 104 (Sheet 2)

EFFECTIVITY \_\_\_\_\_  
ALL

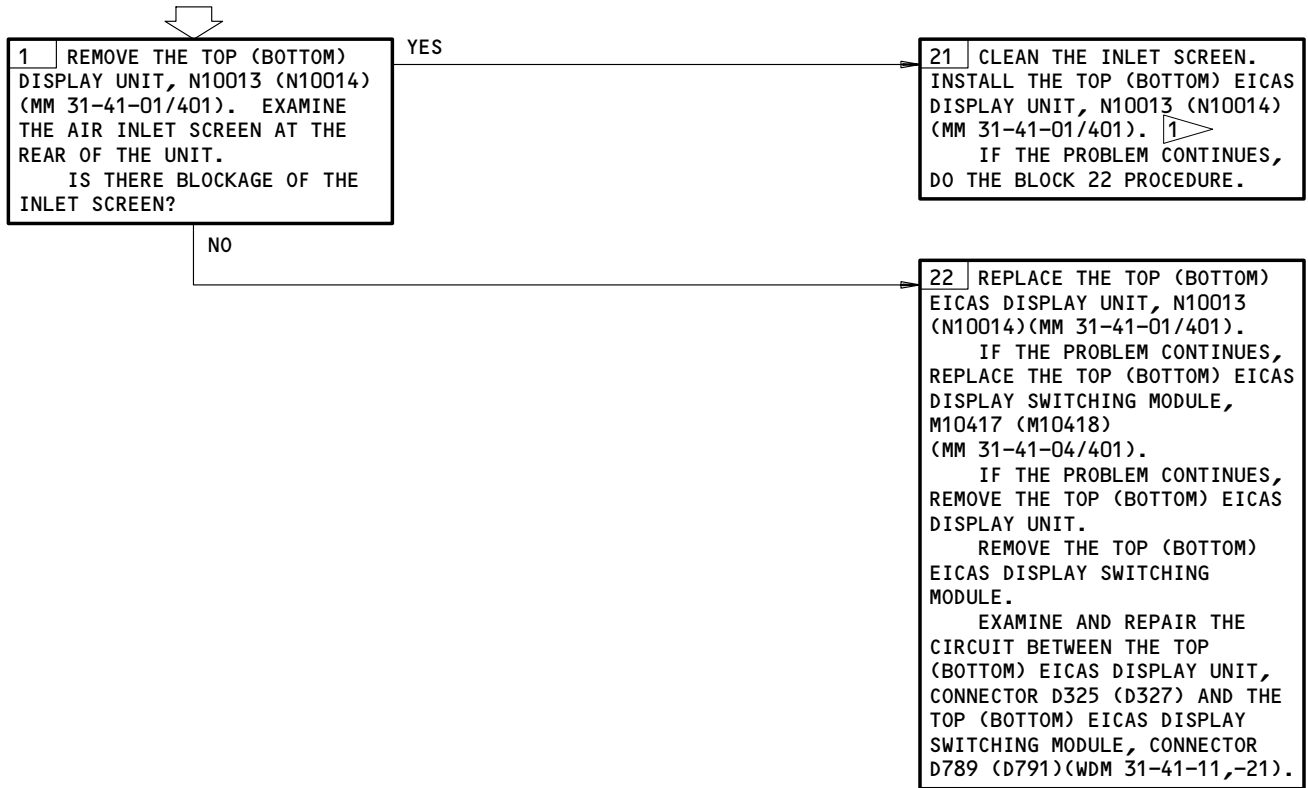
**31-41-00**

**DISPLAY PROBLEMS –  
ALT CMPTR DOES NOT  
CORRECT FAULT**

**PREREQUISITES**

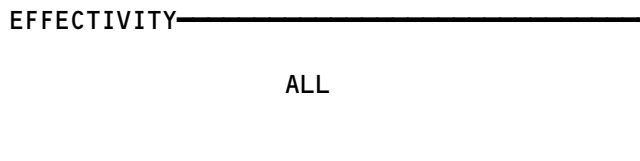
MAKE SURE THESE CIRCUIT BREAKERS ARE CLOSED:  
11J2,11J3,11J29,11J30,11J31,11J32

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



1 EXAMINE THE INLET SCREEN AT THE REAR OF THE OTHER EICAS DISPLAY UNIT, THE TWO EADIS (MM 34-22-03/401) AND THE TWO EHSIS (MM 34-22-04/401).

Display Problems – Alt Cmptr Does Not Correct Fault  
Figure 105



**31-41-00**

ALERT MSG EICAS  
CONT PNL IS  
DISPLAYED

**PREREQUISITES**

MAKE SURE THESE CIRCUIT BREAKERS ARE CLOSED:  
11J2,11J3,11J29,11J30,11J31,11J32

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



- |   |   |
|---|---|
| 1 | REPLACE THE EICAS DISPLAY SELECT PANEL, M10195 (AMM 31-41-03/401).<br>IF THE PROBLEM CONTINUES, REMOVE THE EICAS DISPLAY SELECT PANEL, M10195 (AMM 31-41-03/401). REMOVE THE LEFT EICAS COMPUTER, M10181 (AMM 31-41-02/401).<br>EXAMINE THE 429 DATA BUS FROM THE DISPLAY SELECT PANEL, CONNECTOR D331, PINS 17 AND 18, TO THE LEFT EICAS COMPUTER, CONNECTOR D319E, PINS F7 AND F8 (WDM 31-41-12).<br>REPAIR THE PROBLEMS THAT YOU FIND.<br>INSTALL THE EICAS DISPLAY SELECT PANEL. INSTALL THE EICAS COMPUTER.<br>IF THE PROBLEM CONTINUES, REMOVE THE EICAS DISPLAY SELECT PANEL. REMOVE THE RIGHT EICAS COMPUTER, M10182.<br>EXAMINE THE 429 DATA BUS FROM THE DISPLAY SELECT PANEL, CONNECTOR D331, PINS 19 AND 20 TO THE RIGHT EICAS COMPUTER, CONNECTOR D321E, PINS F7 AND F8 (WDM 31-41-12).<br>REPAIR THE PROBLEMS THAT YOU FIND.<br>INSTALL THE EICAS DISPLAY SELECT PANEL. INSTALL THE EICAS COMPUTER. |
|---|---|

Alert Msg EICAS CONT PNL is Displayed  
Figure 106

EFFECTIVITY

ALL

31-41-00

02

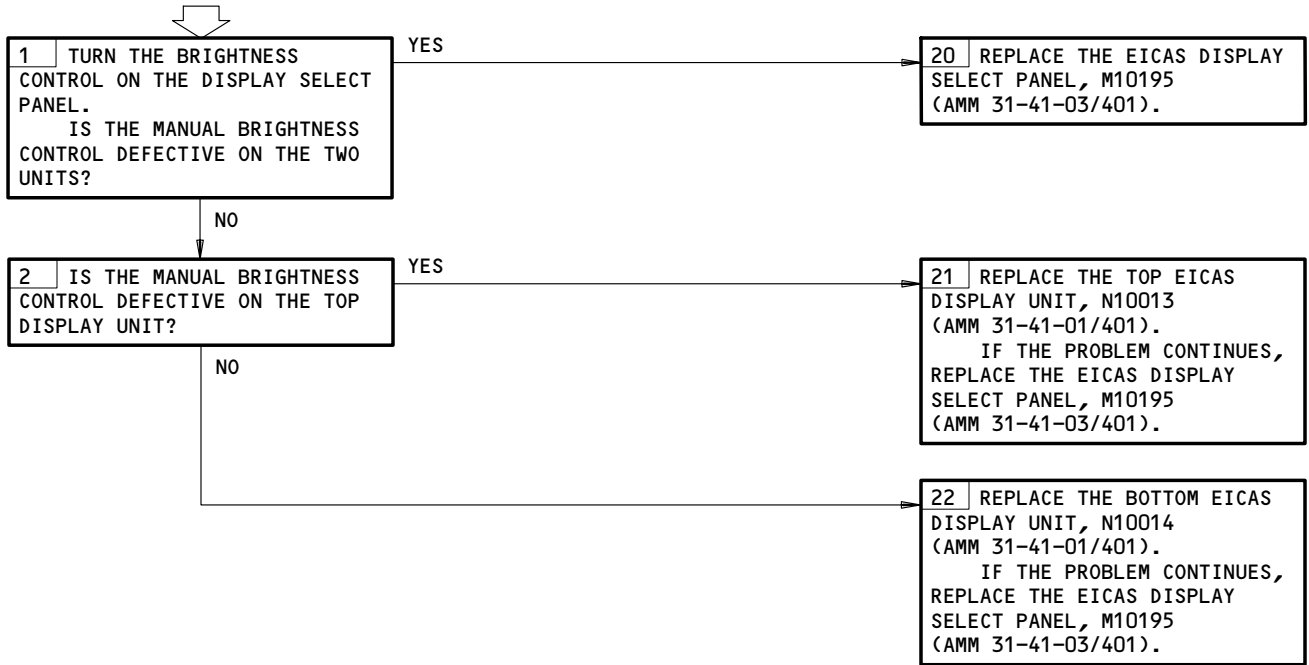
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**MANUAL BRIGHTNESS/  
BALANCE CONTROL IS  
FAULTY**

**PREREQUISITES**

MAKE SURE THESE CIRCUIT BREAKERS ARE CLOSED:  
11J2,11J3,11J29,11J30,11J31,11J32

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

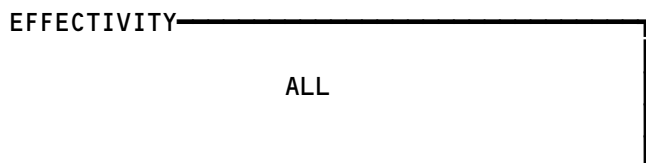


Manual Brightness Control is Faulty  
Figure 107

|             |     |
|-------------|-----|
| EFFECTIVITY | ALL |
|-------------|-----|

**31-41-00**

Not Used  
Figure 108



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1. General

**CAUTION:** DO THE CORRECTIVE ACTION FROM THE APPLICABLE FAULT ISOLATION PROCEDURE BEFORE YOU DO THE MAINTENANCE MESSAGE ERASE PROCEDURE. GO TO TABLE 102 FOR THE FIM CHAPTER REFERENCE. IF YOU DO NOT DO THE CORRECTIVE ACTION FROM THE FAULT ISOLATION PROCEDURE, DAMAGE TO EQUIPMENT CAN OCCUR.

- A. Some EICAS status/maintenance and maintenance messages are stored in non-volatile memory (NVM). These messages are stored in NVM to show faults or intermittent conditions that must have special input logic such as engines running.
- B. Correction of a fault will not clear messages stored in NVM. The messages will stay after the conditions that caused them were corrected. The messages must be manually erased.
- C. When the NVM message is erased, some messages will not show even if faults still exist. For these messages to show, it is necessary to have special input logic for EICAS or to simulate the mode of the fault condition.

Message Erase Procedure

- A. On the EICAS maintenance panel at the P61 panel, push the ECS/MSG switch and make sure the ECS/MSG format shows.
- B. Before you do a maintenance procedure, write all the messages on the ECS/MSG pages for trouble-shooting. Make sure you write the messages from all the ECS/MSG pages before you do the erase procedure.

**NOTE:** Troubleshooting can show and store more messages. Ignore these messages and erase them after you do the maintenance procedure.

- C. Push the AUTO-EVENT READ switch and make sure that AUTO EVENT shows at the bottom of the ECS/MSG page.

**NOTE:** You must set the EICAS display to the ECS/MSG AUTO EVENT page to remove messages that are kept in NVM.

- D. Push and hold the ERASE switch for approximately 3 seconds.

**NOTE:** The ERASE switch is used to erase the page of messages that shows on the display and at the same time show the next page of NVM messages, if applicable. When you erase the NVM maintenance messages, you will also erase any ECS AUTO EVENT.

- E. Look at the PAGE indication. If there is not a PAGE indication, do not do this step. If the PAGE indication shows more pages of messages, push and hold the ERASE switch for approximately 3 seconds. The subsequent page of messages will show.

- F. Do step E until there is no PAGE indication or the PAGE indication shows PAGE 1.

**NOTE:** The maintenance messages will stay on the display for conditions that are not corrected.

Maintenance Message Erase Procedure  
Figure 109

|             |     |
|-------------|-----|
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1. EICAS Disagree Codes (Table 101)

- A. An EICAS disagree code shows in the BITE test format when an analog input received by the two EICAS computers does not agree. The EICAS computers compare the analog inputs on the crosstalk buses. The code shows as ENGINE DISAGREE, SUB-SYS DISAGREE, or DISCRETE DISAGREE.
- B. The CODE column shows the disagree code in the test format.
- C. The DESCRIPTION column shows analog input that does not agree.
- D. The PIN column shows the connector/pin number on the EICAS computer(s). The left computer input is connector D319X(pin)XX. The right computer input is connector D321X(pin)XX.
- E. The SCHEMATIC column shows the reference schematic where you can find the source of the analog input.
- F. The EFFECTIVITY column shows the airplanes with EICAS computers that can show the disagree code.
- G. A \*[1] in the EFFECTIVITY column shows that the pin for that disagree code is an EICAS program pin (PP#1 thru PP#31, and the parity bit, #32) or an EICAS supplemental program pin (PP#1 thru PP#16). If the option was not a selection, the EICAS schematic will show that pin as open. If the option is a selection, the EICAS schematic will show that pin grounded. The schematic will also show the airplane effectivity for that option (Ref SSM 31-41-01, Table 1 when you see \*[1]).

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EICAS DISAGREE OR FAIL CODES (TABLE 101)

| CODE | DESCRIPTION         | PIN     | SCHEMATIC | EFFECTIVITY            |
|------|---------------------|---------|-----------|------------------------|
| 1    | NOT USED            |         |           | ALL                    |
| 2    | NOT USED            |         |           | ALL                    |
| 3    | AILERON - L         | EH4     | 27-10-01  | ALL                    |
| 4    | AILERON - R         | EH5     | 27-10-01  | ALL                    |
| 5    | APU BATT CURRENT    | FB1/FB2 | 24-31-02  | ALL                    |
| 6    | APU BATT VOLTS      | FA3     | 24-31-02  | ALL                    |
| 7    | APU BUS AC VOLTS    | EG8     | 24-28-01  | ALL                    |
| 8    | APU BUS AC FREQ     | EG8     | 24-28-01  | ALL                    |
| 9    | APU EGT             | FA5     | 49-70-01  | ALL                    |
| 10   | APU LOAD            | EE11    | 24-28-01  | ALL                    |
| 11   | APU OIL LEVEL       | FF10    | 49-70-01  | ALL                    |
| 12   | APU RPM             | FA6     | 49-70-01  | ALL                    |
| 13   | BK1 TEMP            | AF10    | 32-46-01  | GUI 115                |
|      |                     | AF10    | NC        | GUI 001-114, 116-999   |
| 14   | BK2 TEMP            | AE2     | 32-46-01  | GUI 115                |
|      |                     | AE2     | NC        | GUI 001-114, 116-999   |
| 15   | BK3 TEMP            | BE3     | 32-46-01  | GUI 115                |
|      |                     | BE3     | NC        | GUI 001-114, 116-999   |
| 16   | BK4 TEMP            | BE2     | 32-46-01  | GUI 115                |
|      |                     | BE2     | NC        | GUI 001-114, 116-999   |
| 17   | BK5 TEMP            | DD6     | 32-46-01  | GUI 115                |
|      |                     | DD6     | NC        | GUI 001-114, 116-999   |
| 18   | BK6 TEMP            | DD7     | 32-46-01  | GUI 115                |
|      |                     | DD7     | NC        | GUI 001-114, 116-999   |
| 19   | BK7 TEMP            | DD15    | 32-46-01  | GUI 115                |
|      |                     | DD15    | NC        | GUI 001-114, 116-999   |
| 20   | BK8 TEMP            | EH1     | 32-46-01  | GUI 115                |
|      |                     | EH1     | NC        | GUI 001-114, 116-999   |
| 21   | BUS AC VOLTS - L    | EG9     | 24-28-01  | ALL                    |
| 22   | BUS AC VOLTS - R    | EG10    | 24-28-01  | ALL                    |
| 23   | BUS AC FREQ - L     | EG9     | 24-28-01  | ALL                    |
| 24   | BUS AC FREQ - R     | EG10    | 24-28-01  | ALL                    |
| 25   | CREW OXY PRESS      | AF9     | 35-11-01  | ALL                    |
| 26   | STBY BUS OFF        | DB4     | 24-33-01  | ALL                    |
| 27   | R FWD EMER DOOR     | DC5     | NC        | ALL                    |
| 28   | APU OIL QTY (PP#19) | EG1     | 31-41-01  | -001 THRU -999 EICAS   |
| 28   | APU OIL QTY         | EG1     | 31-41-01  | -1001 THRU -9999 EICAS |
| 29   | L FWD WINDOW HEAT   | EC6     | 30-41-01  | ALL                    |
| 30   | SPARE DISC 1-02     | DB13    | NC        | ALL                    |
| 31   | LOW FUEL QTY        | ED13    | 28-41-01  | ALL                    |
| 32   | L ENG OUT RLY       | FJ10    | 77-12-04  | ALL                    |
| 33   | GPWC MONITOR        | BJ1     | 34-46-01  | ALL                    |
| 34   | C HYD PUMP 2 OVHT   | AK3     | 29-00-04  | ALL                    |
| 35   | L HYD ELEC PUMP PR  | AK11    | 29-00-02  | ALL                    |
| 36   | FWD CARGO DET 1     | AH6     | 26-16-01  | ALL                    |
| 37   | NOT USED            |         |           |                        |

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EICAS DISAGREE OR FAIL CODES (TABLE 101)

| CODE | DESCRIPTION                 | PIN  | SCHEMATIC | EFFECTIVITY                  |
|------|-----------------------------|------|-----------|------------------------------|
| 38   | R TURB OVHT LP 2            | EG5  | 26-13-02  | ALL                          |
| 39   | HYD PRESS STATUS<br>(PP#27) | EK1  | 31-41-01  | -001 THRU -999 EICAS<br>*[1] |
| 39   | HYD PRESS STATUS            | EK1  | 31-41-01  | -1001 THRU -9999 EICAS       |
| 40   | L T/R IN TRANSIT            | BF3  | 78-36-01  | ALL                          |
| 41   | R ENG (PP#8)                | BF2  | 31-41-01  | -001 THRU -999 EICAS<br>*[1] |
| 41   | R ENG                       | BF2  | 31-41-01  | -1001 THRU -9999 EICAS       |
| 42   | APU BTL DISCH               | DC9  | 26-22-01  | ALL                          |
| 43   | GEAR DISAGREE SYS 1         | DB7  | 32-61-01  | ALL                          |
| 44   | L AC BUS TIE ISOL           | DC6  | 24-22-07  | ALL                          |
| 45   | L MAIN PITOT HEAT           | EC3  | 30-31-01  | ALL                          |
| 46   | SPARE DISC 1-05             | EC12 | NC        | ALL                          |
| 47   | HYD BRAKE SOURCE            | EH12 | 32-41-01  | ALL                          |
| 48   | ECS IN US UNITS<br>(PP#14)  | BC6  | 31-41-01  | -001 THRU -999 EICAS<br>*[1] |
| 48   | ECS IN US UNITS             | BC6  | 31-41-01  | -1001 THRU -9999 EICAS       |
| 49   | NOT USED                    |      |           | ALL                          |
| 50   | L ENG FUEL FILTER           | AJ11 | 73-31-01  | ALL                          |
| 51   | L ENG BVCU FAULT            | AH5  | 75-32-01  | GUI 001-011, 115             |
| 51   | L ENG BVCU FAULT            | AH5  | NC        | GUI 012-114, 116-999         |
| 52   | R YAW DAMPER                | AD7  | 22-21-02  | ALL                          |
| 53   | PARITY (ODD) (PP#32)        | EJ1  | 31-41-01  | -001 THRU -999 EICAS<br>*[1] |
| 53   | PARITY (ODD)                | EJ1  | 31-41-01  | -1001 THRU -9999 EICAS       |
| 54   | NOT USED                    |      |           | ALL                          |
| 55   | NOT USED                    |      |           | ALL                          |
| 56   | HYD MOT GEN (PP#23)         | BK9  | 31-41-01  | -001 THRU -999 EICAS<br>*[1] |
| 56   | HYD MOT GEN                 | BK9  | 31-41-01  | -1001 THRU -9999 EICAS       |
| 57   | L ENG FIRE                  | BE4  | 26-11-01  | ALL                          |
| 58   | FWD EQ SUP FAN 2            | AD9  | 21-58-03  | ALL                          |
| 59   | L GEN GCB OPEN              | DB1  | 24-22-02  | ALL                          |
| 60   | C HYD SYS LO PRESS          | DJ10 | 29-00-04  | ALL                          |
| 61   | CAPT INSTR BUS XFFR         | BJ14 | 21-51-61  | ALL                          |
| 62   | DC BUS TIE                  | EJ14 | 24-32-01  | ALL                          |
| 63   | HYD GEN VALVE               | EB13 | 24-27-XX  | ALL                          |
| 64   | RSV BRAKE VAL               | FK10 | 29-00-04  | ALL                          |
| 65   | ANTISKID                    | FH10 | 32-42-04  | ALL                          |
| 66   | AUTO SPEEDBRAKE             | AG9  | 27-62-01  | ALL                          |
| 67   | AFT CARGO FAN               | AJ15 | 21-44-01  | ALL                          |
| 68   | L IRS DC FAIL               | AG8  | 34-21-01  | ALL                          |
| 69   | R ECS PACK BITE             | DF11 | 21-51-10  | ALL                          |
| 70   | R ENG TAI ON                | DJ13 | 30-21-02  | ALL                          |
| 71   | NOT USED                    |      |           | ALL                          |
| 72   | R T/R IN TRANSIT            | DF12 | 78-36-01  | ALL                          |

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| CODE | DESCRIPTION         | PIN  | SCHEMATIC | EFFECTIVITY            |
|------|---------------------|------|-----------|------------------------|
| 73   | AFT CARGO DET 2     | EG2  | 26-16-02  | ALL                    |
| 74   | AFT EQ EXH FAN 2    | AK14 | 21-58-04  | ALL                    |
| 75   | DFDAU STATUS        | AJ14 | 31-31-01  | ALL                    |
| 76   | R AC BUS OFF        | DB2  | 24-22-04  | ALL                    |
| 77   | RUDD RATIO MODULE   | EK9  | 27-20-02  | ALL                    |
| 78   | ANTISKID/AUTOBRAKE  | DB12 | 32-42-04  | ALL                    |
| 79   | ATC FAULT           | EA13 | 34-53-01  | GUI 115                |
|      |                     | EA13 | NC        | GUI 001-114, 116-999   |
| 80   | L ICE DETECTOR      | BK04 | 30-81-01  | *[1]                   |
| 81   | L ENG PROBE HEAT    | BJ10 | 30-34-01  | ALL                    |
| 82   | SPOILER MODULE      | AH14 | 27-61-01  | ALL                    |
| 83   | N GEAR LOCK SYS 2   | AD10 | 32-61-01  | ALL                    |
| 84   | FWD EQ SPLY FLOW    | DA3  | 21-58-01  | ALL                    |
| 85   | NOT USED            |      |           | ALL                    |
| 86   | NOT USED            |      |           | ALL                    |
| 87   | C-L FUEL PUMP PR    | BE7  | 28-22-01  | ALL                    |
| 88   | NOT USED            |      |           | ALL                    |
| 89   | NOT USED            |      |           | ALL                    |
| 90   | SPOILER SYSTEM      | DC11 | 27-61-01  | ALL                    |
| 91   | FLT DECK AIR OVHT   | DA14 | 21-61-01  | ALL                    |
| 92   | L ECS PACK OVHT     | AE6  | 21-51-09  | ALL                    |
| 93   | MASTER CAUT/WARN    | BJ15 | 31-41-06  | ALL                    |
| 94   | L ENG HYD OVHT      | FG4  | 29-00-02  | ALL                    |
| 95   | L ENG TAI PRESS     | FG5  | 30-21-01  | ALL                    |
| 96   | L IDG FILTER        | FG1  | 24-11-01  | GUI 115                |
|      |                     | FG1  | NC        | GUI 001-114, 116-999   |
| 97   | R AUX PITOT         | DB9  | 30-31-02  | ALL                    |
| 98   | R HYD ELEV VALVE    | DH5  | 29-00-04  | ALL                    |
| 99   | R ENGINE FIRE       | DG3  | 26-11-02  | ALL                    |
| 100  | C-L FUEL PUMP LT    | DH6  | 28-22-03  | ALL                    |
| 101  | L T/R DEPLOYED      | BG3  | 78-36-01  | ALL                    |
| 102  | FUEL PRESS (PP#29)  | FJ5  | 31-41-01  | -001 THRU -999 EICAS   |
|      |                     |      |           | *[1]                   |
| 102  | FUEL PRESS          | FJ5  | 31-41-01  | -1001 THRU -9999 EICAS |
|      |                     |      |           | ALL                    |
| 103  | L REV ISOL VALVE    | BH7  | 78-36-01  | ALL                    |
| 104  | R GEAR DOWN SYS 2   | FD6  | 32-61-01  | ALL                    |
| 105  | APU FAULT           | FB6  | 49-61-01  | ALL                    |
| 106  | NOT USED            |      |           | ALL                    |
| 107  | L SPAR FUEL VALVE   | ED5  | 28-22-01  | ALL                    |
| 108  | T/O CONFIG FLAPS    | DA15 | 31-51-03  | ALL                    |
| 109  | L WING SLIDE DOOR   | BA12 | NC        | ALL                    |
| 110  | L HYD RSVR PRESS>55 | FK3  | 29-00-01  | ALL                    |
| 111  | OVERSPEED-R ADC     | BC15 | 34-12-02  | ALL                    |
| 112  | CABIN AUTOPRESS 1   | EF14 | 21-31-01  | ALL                    |
| 113  | FLT RECORDER        | EC10 | 31-31-01  | ALL                    |
| 114  | ENG BTL 1 DISCH     | DG2  | 26-21-01  | ALL                    |

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| CODE | DESCRIPTION            | PIN  | SCHEMATIC | EFFECTIVITY                  |
|------|------------------------|------|-----------|------------------------------|
| 115  | R STRUT LOOP 1 (PP#21) | DG1  | 26-12-01  | ALL                          |
| 116  | NOT USED               |      |           | ALL                          |
| 117  | L HYD ELEV VALVE       | BJ12 | 29-00-02  | ALL                          |
| 118  | SPARE DISC 2-02        | BH13 | NC        | ALL                          |
| 119  | NOT USED               |      |           | ALL                          |
| 120  | R HYD SYS LO PRESS     | FC9  | 29-00-03  | ALL                          |
| 121  | R STARTER CUTOUT       | FB5  | 80-11-01  | ALL                          |
| 122  | TE FLAP ASYM           | DG15 | 27-51-05  | ALL                          |
| 123  | FWD EQ CLG FILTER      | DC15 | NC        | ALL                          |
| 124  | L ECS PACK OFF         | AD8  | 21-51-09  | ALL                          |
| 125  | GEAR DOORS SYS 1       | BF14 | 32-61-01  | ALL                          |
| 126  | AUTOTHROTTLE DISC      | BD8  | 22-34-01  | ALL                          |
| 127  | NOT USED               |      |           | ALL                          |
| 128  | FLT DECK DOOR          | BB11 | NC        | ALL                          |
| 129  | R CTR ENTRY DOOR       | BA5  | 52-71-01  | ALL                          |
| 130  | ECS TEMP (PP#21)       | AK1  | 31-41-01  | -001 THRU -999 EICAS<br>*[1] |
| 130  | ECS TEMP               | AK1  | 31-41-01  | -1001 THRU -9999 EICAS       |
| 131  | L OIL FILTER           | AH4  | 79-35-01  | ALL                          |
| 132  | L STRUT LOOP 1         | AG7  | 26-11-00  | ALL                          |
| 133  | HYD GENERATOR          | FJ4  | 24-25-01  | ALL                          |
| 134  | L FIRE EXT SWITCH      | BJ11 | 73-21-01  | ALL                          |
| 135  | FWD EQPT SMOKE         | FF5  | 21-58-02  | ALL                          |
| 136  | OVERSPEED-L ADC        | FE5  | 34-12-01  | ALL                          |
| 137  | C HYD ELEV VALVE       | FJ8  | 27-00-01  | ALL                          |
| 138  | L RECIRC FAN           | AE7  | 21-25-01  | ALL                          |
| 139  | NOT USED               |      |           | ALL                          |
| 140  | NOT USED               |      |           | ALL                          |
| 141  | PASS OXYGEN ON         | FF6  | 35-21-01  | ALL                          |
| 142  | MAIN BAT DISCH         | EC15 | 24-31-01  | ALL                          |
| 143  | NOT USED               |      |           | ALL                          |
| 144  | L CTR ENTRY DOOR       | BA11 | 52-71-01  | ALL                          |
| 145  | AFT CARGO DOOR 1       | BA7  | 52-71-01  | GUI 115                      |
|      |                        | BA7  | NC        | GUI 001-114, 116-999         |
| 146  | CARGO BTL 1 DISCH      | DD1  | 26-23-01  | ALL                          |
| 147  | R FIRE EXT SWITCH      | DK06 | 76-21-01  | ALL                          |
| 148  | NOT USED               |      |           | ALL                          |
| 149  | SPARE DISC 2-01        | BG6  | NC        | ALL                          |
| 150  | C IRS ON DC            | FD5  | 34-21-03  | ALL                          |
| 151  | AFT EQU SPLY FAN 2     | FJ7  | 21-58-05  | ALL                          |
| 152  | L STARTER CUTOUT       | FD9  | 80-11-01  | ALL                          |
| 153  | C-R FUEL PUMP LT       | FJ9  | 28-22-03  | ALL                          |
| 154  | C HYD SYS LO QTY       | DB6  | 29-00-05  | ALL                          |
| 155  | L AOA PROBE HEAT       | DB5  | 30-32-01  | ALL                          |
| 156  | AFT CARGO DOOR 2       | BC7  | 52-71-01  | GUI 115                      |
|      |                        | BC7  | NC        | GUI 001-114, 116-999         |
| 157  | NOSE COMPR SYS 2       | BH01 | 32-09-02  | ALL                          |

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| CODE | DESCRIPTION            | PIN  | SCHEMATIC | EFFECTIVITY                                     |
|------|------------------------|------|-----------|---|
| 158  | DUCT LEAK SYS          | DC10 | 26-17-01  | ALL   |
| 159  | ANTISKID NORMAL        | BF15 | 32-42-01  | ALL   |
| 160  | ELECT ACCESS DOOR      | BA6  | 52-71-01  | ALL   |
| 161  | APU FIRE LOOP 2        | FD4  | 26-15-01  | ALL   |
| 162  | SPARE DISC 2-03        | DE12 | NC        | ALL   |
| 163  | L GEAR DOWN SYS 1      | DG13 | 32-61-01  | ALL   |
| 164  | AFT CARGO DET 1        | DF1  | 26-16-02  | ALL   |
| 165  | APU BTL 2 DISCH        | FF9  | NC        | ALL   |
| 166  | NOT USED               |      |           | ALL   |
| 167  | R EEC (LIMITER)        | DH4  | 73-21-05  | ALL   |
| 168  | R IRS DC FAIL          | DE9  | 34-21-02  | ALL   |
| 169  | APU BAT CHGR (CAA)     | FE2  | 24-31-01  | ALL   |
| 170  | L AUX PITOT H1 HT      | EK5  | 30-31-01  | ALL   |
| 171  | L ENG HI STAGE         | EK7  | 36-11-07  | ALL   |
| 172  | R ENG BLEED OFF        | EK6  | 36-11-05  | ALL   |
| 173  | NOT USED               |      |           | ALL   |
| 174  | ICE DETECTOR LT        | ED6  | NC        | ALL   |
| 175  | FUEL QTY BITE          | ED4  | 28-40-01  | ALL   |
| 176  | CERT AGENCY CAA(PP#17) | BB6  | 31-41-01  | -001 THRU -999 EICAS<br>*[1]                    |
| 176  | CERT AGENCY CAA        | BB6  | 31-41-01  | -1001 THRU -9999 EICAS                          |
| 177  | NOT USED               |      |           | ALL   |
| 178  | BRAKE TEMP (PP#25)     | DK12 | 31-41-01  | -001 THRU -999 EICAS<br>*[1]                    |
| 178  | BRAKE TEMP             | DK12 | 31-41-01  | -1001 THRU -9999 EICAS                          |
| 179  | SPARE DISC 1-06        | DG12 | NC        | ALL   |
| 180  | R ELEV HIGH PRESS      | DK4  | 27-30-01  | ALL   |
| 181  | C ELEV HIGH PRESS      | FJ6  | 27-30-01  | ALL   |
| 182  | L ENG (PP#4)           | DE11 | 31-41-01  | -001 THRU -999 EICAS<br>*[1]                    |
| 182  | L ENG                  | DE11 | 31-41-01  | -1001 THRU -9999 EICAS                          |
| 183  | L ENG (PP#1)           | DE10 | 31-41-01  | -001 THRU -999 EICAS<br>*[1]                    |
| 183  | L ENG                  | DE10 | 31-41-01  | -1001 THRU -9999 EICAS                          |
| 184  | POWER XFER UNIT        | DK5  | 29-00-04  | ALL   |
| 185  | NOT USED               |      |           | ALL   |
| 186  | ZONETEMP CONT UNIT     | DB8  | 21-61-01  | ALL   |
| 187  | APU GEN APB OPEN       | DC7  | 24-20-03  | ALL   |
| 188  | NOT USED               |      |           | ALL   |
| 189  | L SIDE WINDOW HEAT     | EC4  | 30-41-03  | ALL   |
| 190  | R ENG PROBE HEAT       | EA8  | 30-34-01  | ALL   |
| 191  | ALL GEAR DOWN & LOCK   | ED11 | 32-61-01  | ALL   |
| 192  | APU DC FUEL PMP ON     | FD10 | 28-40-01  | ALL   |
| 193  | EMERGENCY LIGHTS       | EA11 | 33-51-01  | ALL   |
| 194  | AFT FUEL X-FEED        | AK5  | 28-11-01  | AIRPLANES WITH A DUAL<br>FUEL CROSSFEED SYSTEMS |
| 195  | L HYD ENG PUMP PR      | AK2  | 29-00-02  | ALL   |

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| CODE | DESCRIPTION          | PIN  | SCHEMATIC | EFFECTIVITY                  |
|------|----------------------|------|-----------|------------------------------|
| 196  | L HYD RSVR PRES<17   | AH2  | 29-35-01  | ALL                          |
| 197  | NOT USED             |      |           | ALL                          |
| 198  | NOT USED             |      |           | ALL                          |
| 199  | ANTISKID SWITCH      | EJ5  | NC        | ALL                          |
| 200  | NOT USED             |      |           | ALL                          |
| 201  | R ENGINE (PP#7)      | BF7  | 31-41-01  | -001 THRU -999<br>*[1]       |
| 201  | R ENGINE             | BF7  | 31-41-01  | -1001 THRU -9999             |
| 202  | N GEAR LOCK SYS 1    | DC12 | 32-61-01  | ALL                          |
| 203  | WHEEL WELL FIRE      | DB10 | 26-17-01  | ALL                          |
| 204  | R UTIL BUS OFF       | DC8  | 24-51-02  | ALL                          |
| 205  | R FWD WINDOW HEAT    | EC5  | 30-41-02  | ALL                          |
| 206  | AFT CARGO DET FAN    | EC11 | 26-16-02  | ALL                          |
| 207  | STAB TRIM MODULE     | EJ11 | 27-40-01  | ALL                          |
| 208  | METRIC UNITS (PP#13) | BC9  | 31-41-01  | -001 thru -999 EICAS<br>*[1] |
| 208  | METRIC UNITS         | BC9  | 31-41-01  | -1001 thru -9999 EICAS       |
| 209  | NOT USED             |      |           | ALL                          |
| 210  | LDG GEAR LEVER UP    | AK6  | 32-61-01  | ALL                          |
| 211  | NOT USED             |      |           | ALL                          |
| 212  | L YAW DAMPER         | DA6  | 22-21-01  | ALL                          |
| 213  | ENG MANUF (PP#31)    | EJ4  | NC        | -001 THRU -999 EICAS<br>*[1] |
| 213  | ENG MANUF            | EJ4  | NC        | -1001 THRU -9999 EICAS       |
| 214  | R ENG FUEL PUMP      | EJ3  | 73-31-01  | ALL                          |
| 215  | NOT USED             |      |           | ALL                          |
| 216  | L HYD ELEC PUMP OH   | BK7  | 29-00-02  | ALL                          |
| 217  | L BLEED DUCT LEAK    | BF4  | 26-18-01  | ALL                          |
| 218  | NOT USED             |      |           | ALL                          |
| 219  | R GEN DRIVE OIL      | DA1  | 24-22-02  | ALL                          |
| 220  | C HYD PUMP 2 PR      | DJ11 | 29-00-04  | ALL                          |
| 221  | LAVATORY SMOKE (B)   | BK14 | NC        | ALL                          |
| 222  | R CSEU PSU MODULE    | EA10 | 27-09-05  | ALL                          |
| 223  | BRAKE TEMP LT        | EJ15 | 29-00-04  | ALL                          |
| 224  | NOT USED             | FE10 | NC        | ALL                          |
| 225  | C HYD RSVR PRES<17   | FC10 | 29-00-04  | ALL                          |
| 226  | PARKING BRAKE ON     | AG3  | 32-41-01  | ALL                          |
| 227  | FWD CARGO FAN        | DA5  | 21-43-01  | ALL                          |
| 228  | L IRS ON DC          | AG1  | 34-21-01  | ALL                          |
| 229  | EQPT SMOKE DET 2     | DF13 | 26-16-01  | ALL                          |
| 230  | NOT USED             |      |           | ALL                          |
| 231  | NOT USED             |      |           | ALL                          |
| 232  | R T/R DEPLOYED       | DF14 | 78-36-01  | ALL                          |
| 233  | L ENG FIRE LOOP 2    | EG4  | 26-11-01  | ALL                          |
| 234  | AFT EQPT EXH FAN 1   | AG14 | 21-58-00  | ALL                          |
| 235  | T/O CONFIG-PARK BK   | AG15 | 31-51-03  | ALL                          |
| 236  | L AC BUS OFF         | DB3  | 24-22-02  | ALL                          |

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EICAS DISAGREE OR FAIL CODES (TABLE 101)

| CODE | DESCRIPTION                         | PIN  | SCHEMATIC | EFFECTIVITY                  |
|------|-------------------------------------|------|-----------|------------------------------|
| 237  | R AUX PITOT H1 HT                   | EK8  | 30-30-01  | ALL                          |
| 238  | R ENG TAI VALVE                     | EA5  | 30-21-02  | ALL                          |
| 239  | R FMC FAIL                          | BK1  | 34-61-07  | ALL                          |
| 240  | A/P WARN-2 NORM                     | EA9  | 22-14-01  | ALL                          |
| 241  | R AOA PROBE HEAT                    | EA7  | 30-32-02  | ALL                          |
| 242  | BRAKE LIMITER                       | DA11 | NC        | ALL                          |
| 243  | NOT USED                            |      |           | ALL                          |
| 244  | FWD EQUIP EXH FLOW                  | DA4  | 21-58-01  | ALL                          |
| 245  | NOT USED                            |      |           | ALL                          |
| 246  | NOT USED                            |      |           | ALL                          |
| 247  | L ENGINE OVHT                       | BE5  | 26-11-03  | ALL                          |
| 248  | FWD CARGO DET 2                     | BG5  | 26-16-01  | ALL                          |
| 249  | FULL TIME FF (PP#10)                | BF6  | 31-41-01  | -001 THRU -999 EICAS<br>*[1] |
| 249  | FULL TIME FF                        | BF6  | 31-41-01  | -1001 THRU -9999 EICAS       |
| 250  | MAIN BATT SWITCH                    | AD4  | 24-33-01  | ALL                          |
| 251  | L AFT EMERG DOOR                    | DA9  | NC        | ALL                          |
| 252  | SINGLE ENG OIL<br>TEMP SNSR (PP#20) | DD8  | 31-41-00  | -001 THRU -999 EICAS<br>*[1] |
| 252  | SINGLE ENG OIL<br>TEMP SNSR         | DD8  | 31-41-00  | -1001 THRU -9999 EICAS       |
| 253  | R SIDE WINDOW HEAT                  | AD2  | 30-41-04  | ALL                          |
| 254  | ICE DETECTOR INOP                   | ED7  | NC        | ALL                          |
| 255  | R AFT EMERG DOOR                    | AE1  | NC        | ALL                          |
| 256  | R ENG OUT RLY 757                   | FB10 | 77-12-05  | ALL                          |
| 257  | L FMC FAIL                          | EK14 | 34-61-02  | ALL                          |
| 258  | R HYD ELEC PUMP                     | AK8  | 29-00-03  | ALL                          |
| 259  | C HYD PUMP 1 PR                     | AG11 | 29-00-04  | ALL                          |
| 260  | L TURB OVHT LOOP 1                  | AH7  | 26-13-01  | ALL                          |
| 261  | NOT USED                            |      |           | ALL                          |
| 262  | R STRUT LOOP 2                      | EG7  | 26-12-01  | ALL                          |
| 263  | 3 CREW INSTLN (PP#28)               | EJ8  | 31-41-01  | -001 THRU -999 EICAS<br>*[1] |
| 263  | 3 CREW INSTLN                       | EJ8  | 31-41-01  | -1001 THRU -9999 EICAS       |
| 264  | R ENG (PP#6)                        | BF11 | 31-41-01  | -001 THRU -999 EICAS<br>*[1] |
| 264  | R ENG                               | BF11 | 31-41-01  | -1001 THRU -9999 EICAS       |
| 265  | R ENG (PP#9)                        | BF10 | 31-41-01  | -001 THRU -999 EICAS<br>*[1] |
| 265  | R ENG                               | BF10 | 31-41-01  | -1001 THRU -9999 EICAS       |
| 266  | FWD EQ EXH VALVE                    | DE15 | 21-58-02  | ALL                          |
| 267  | NOT USED                            |      |           | ALL                          |

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| CODE | DESCRIPTION                    | PIN  | SCHEMATIC | EFFECTIVITY                  |
|------|--------------------------------|------|-----------|------------------------------|
| 268  | R AC BUS TIE ISOL              | DC1  | 24-22-08  | ALL                          |
| 269  | L AUX PITOT HEAT               | AD1  | 30-31-01  | ALL                          |
| 270  | L CSEU PSU MODULE              | FD3  | 27-09-05  | ALL                          |
| 271  | AFT CABIN AIR OVHT             | EJ10 | 21-61-03  | ALL                          |
| 272  | PRECOOL OUTLET TEMP<br>(PP#15) | BD3  | 31-41-01  | -001 THRU -999 EICAS<br>*[1] |
| 272  | PRECOOL OUTLET TEMP            | BD3  | 31-41-01  | -1001 THRU -9999 EICAS       |
| 273  | NOT USED                       |      |           | ALL                          |
| 274  | R ENG FUEL FILTER              | AK7  | 73-31-01  | ALL                          |
| 275  | L ELEV HIGH PRESS              | AH9  | 27-30-01  | ALL                          |
| 276  | STAB TRIM FAULT                | AD11 | 27-40-01  | ALL                          |
| 277  | LDG GR LEVER SYS 2             | EJ7  | 32-61-01  | ALL                          |
| 278  | NOT USED                       |      |           | ALL                          |
| 279  | NOT USED                       |      |           | ALL                          |
| 280  | APU RPM STATUS (PP#24)         | BK6  | 31-41-01  | -001 THRU -999 EICAS<br>*[1] |
| 280  | APU RPM STATUS                 | BK6  | 31-41-01  | -1001 THRU -9999 EICAS       |
| 281  | RUDDER PCU                     | BE8  | 27-23-01  | ALL                          |
| 282  | R ENG (PP #6)                  | AJ13 | 31-41-01  | -001 THRU -999 EICAS<br>*[1] |
| 282  | R ENG                          | AJ13 | 31-41-01  | -1001 THRU -9999 EICAS       |
| 283  | R GEN GCB OPEN                 | DA12 | 24-22-04  | ALL                          |
| 284  | R HYD ENG PUMP PR              | DK13 | 29-00-03  | ALL                          |
| 285  | F/O INST BUS XFER              | BH14 | 24-51-62  | ALL                          |
| 286  | R ELEV PCU                     | ED8  | 27-23-01  | ALL                          |
| 287  | LAVATORY SMOKE (C)             | EF15 | NC        | ALL                          |
| 288  | APU FUEL SHUTOFF               | FA10 | 49-61-01  | ALL                          |
| 289  | INSTR SWITCH                   | FA9  | 34-22-00  | ALL                          |
| 290  | AUTO BRAKES                    | AG6  | 32-42-01  | ALL                          |
| 291  | CABIN ALT >IOKFT               | AF13 | 21-33-01  | ALL                          |
| 292  | L IRS FAULT                    | AG5  | 34-21-01  | ALL                          |
| 293  | NOT USED                       |      |           | ALL                          |
| 294  | NOT USED                       |      |           | ALL                          |
| 295  | NOT USED                       |      |           | ALL                          |
| 296  | NOT USED                       |      |           | ALL                          |
| 297  | R NACELLE LOOP 2               | EG6  | 26-11-04  | ALL                          |
| 298  | GEAR DISAGRE SYS 2             | AG12 | 32-61-01  | ALL                          |
| 299  | FMC ANNUNCIATION               | AG13 | 34-61-02  | ALL                          |
| 300  | L UTIL BUS OFF                 | AE5  | 24-51-01  | ALL                          |
| 301  | YAW DAMPER MOD                 | EK13 | 22-21-02  | ALL                          |
| 302  | UNSCHED STAB MOVE              | EB12 | 27-40-01  | ALL                          |
| 303  | L ENG FUEL VALVE               | BF13 | 73-21-61  | ALL                          |
| 304  | EQPT SMOKE TEST                | ED14 | 21-58-05  | ALL                          |
| 305  | L ENG TAI VALVE                | EC14 | 30-21-01  | ALL                          |
| 306  | L GEN DRIVE OIL                | DA10 | 24-22-01  | ALL                          |
| 307  | NOT USED                       |      |           | ALL                          |
| 308  | EQPT SMOKE DET 1               | DA2  | 21-58-02  | ALL                          |

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| CODE | DESCRIPTION         | PIN  | SCHEMATIC | EFFECTIVITY                  |
|------|---------------------|------|-----------|------------------------------|
| 309  | NOT USED            |      |           |                              |
| 310  | NOT USED            |      |           |                              |
| 311  | R ENG FIRE LOOP 2   | BE9  | 26-11-02  | ALL                          |
| 312  | L TURB OVHT LOOP 2  | BG2  | 26-13-01  | ALL                          |
| 313  | NOT USED            |      |           |                              |
| 314  | ELEVATOR FEEL SYS   | DC4  | 27-30-01  | ALL                          |
| 315  | TRIM AIR VALVE      | DA13 | 21-61-04  | ALL                          |
| 316  | R ECS PACK OVHT     | AD5  | 21-51-10  | ALL                          |
| 317  | L ENG IGN ON STBY   | BH15 | 74-31-01  | ALL                          |
| 318  | L WING TAI VALVE    | FG7  | 30-11-01  | ALL                          |
| 319  | R ENG TAI PRESS     | FG8  | 30-21-01  | ALL                          |
| 320  | R IDG FILTER        | FG3  | 24-11-02  | GUI 115                      |
|      |                     | FG3  | NC        | GUI 001-114, 116-999         |
| 321  | R TAT PROBE HEAT    | EC13 | NC        | ALL                          |
| 322  | L FWD FUEL PUMP     | DH8  | 28-22-02  | ALL                          |
| 323  | A/P WARN-2 BAT      | DG7  | 22-14-01  | ALL                          |
| 324  | R EEC (SUPERVISORY) | DH4  | 73-21-05  | ALL                          |
| 325  | NOT USED            |      |           | ALL                          |
| 326  | ENG MAN (PP#30)     | FH5  | NC        | -001 THRU -999 EICAS<br>*[1] |
| 326  | ENG MAN             | FH5  | NC        | -1001 THRU -9999 EICAS       |
| 327  | L ENG STARTER VAL   | BH11 | 80-11-01  | ALL                          |
| 328  | L ELEV PCU          | FD7  | 27-23-01  | ALL                          |
| 329  | LOW CREW OXY        | FB4  | 31-41-01  | ALL                          |
| 330  | FWD EQUIP SUP FAN 1 | AE11 | 21-58-03  | ALL                          |
| 331  | R SPAR FUEL VALVE   | EC1  | 28-22-01  | ALL                          |
| 332  | T/O CONFIG SPOILER  | ED2  | 31-51-03  | ALL                          |
| 333  | R WING SLIDE DOOR   | BB10 | NC        | ALL                          |
| 334  | C HYD RSVR PRES>55  | FG6  | 29-00-01  | ALL                          |
| 335  | GEAR DOORS SYS 2    | FC2  | 32-61-01  | ALL                          |
| 336  | CABIN AUTO PRESS 2  | EF13 | 21-31-02  | ALL                          |
| 337  | NOT USED            |      |           | ALL                          |
| 338  | C-R FUEL PUMP PR    | DG8  | 28-22-03  | ALL                          |
| 339  | R NACELLE LOOP 1    | DG9  | 26-11-04  | ALL                          |
| 340  | NOT USED            |      |           | ALL                          |
| 341  | L ENG FUEL PUMP     | BH5  | 73-31-01  | ALL                          |
| 342  | L ENG TAI ON        | BH12 | 30-21-01  | ALL                          |
| 343  | NOT USED            |      |           | ALL                          |
| 344  | N GEAR DOWN SYS #2  | FC7  | 32-61-01  | ALL                          |
| 345  | APU BAT NO STBY     | FB3  | 24-35-01  | ALL                          |
| 346  | TE FLAPS DISAGREE   | ED1  | 27-51-06  | ALL                          |
| 347  | L FWD EMERG DOOR    | AE4  | NC        | ALL                          |
| 348  | R ECS PACK OFF      | AG10 | 21-51-10  | ALL                          |
| 349  | LDG CONFIG-GEAR     | BG14 | 31-51-05  | ALL                          |
| 350  | L ENG FUEL CUTOFF   | BD14 | 76-21-01  | ALL                          |

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| CODE | DESCRIPTION            | PIN  | SCHEMATIC | EFFECTIVITY                  |
|------|------------------------|------|-----------|------------------------------|
| 351  | EQUIP OVHT             | BG8  | 21-58-01  | ALL                          |
| 352  | L FWD ENTRY DOOR       | BA10 | 52-71-01  | ALL                          |
| 353  | R AFT ENTRY DOOR       | AD13 | 52-71-01  | ALL                          |
| 354  | BULK CARGO TEMP(PP#22) | AK9  | NC        | -001 THRU -999 EICAS<br>*[1] |
| 354  | BULK CARGO TEMP        | AK9  | NC        | -1001 THRU -9999 EICAS       |
| 355  | NOT USED               |      |           | ALL                          |
| 356  | DUCT LEAK SYS          | AG4  | 26-11-03  | ALL                          |
| 357  | FUEL XFEED CLOSED      | FH4  | 28-22-01  | ALL                          |
| 358  | L EEC (SUPERVISORY)    | BH6  | 73-21-04  | ALL                          |
| 359  | APU FIRE               | FF2  | 26-15-01  | ALL                          |
| 360  | AIR/GND SYS 1          | FE9  | 32-09-02  | ALL                          |
| 361  | L AFT FUEL PUMP        | FH8  | 28-22-02  | ALL                          |
| 362  | R RECIRC FAN           | AD6  | 21-25-02  | ALL                          |
| 363  | NOT USED               |      |           | ALL                          |
| 364  | NOT USED               |      |           | ALL                          |
| 365  | APU BLEED VALVE        | FF1  | 36-11-04  | ALL                          |
| 366  | FLAP ISOL VALVE        | ED9  | 27-51-02  | ALL                          |
| 367  | NOT USED               |      |           | ALL                          |
| 368  | L AFT ENTRY DOOR       | BE12 | 52-71-01  | ALL                          |
| 369  | R FWD ENTRY DOOR       | AD14 | 52-71-01  | ALL                          |
| 370  | FWD CARGO FIRE         | DF7  | 26-16-01  | ALL                          |
| 371  | R ENG LO OIL PRESS     | DK10 | 79-33-01  | ALL                          |
| 372  | N GEAR DOWN SYS 1      | DF6  | 32-61-01  | ALL                          |
| 373  | MAX THROTTLE-L         | BG10 | 73-21-04  | ALL                          |
| 374  | C IRS DC FAIL          | FC3  | 34-21-03  | ALL                          |
| 375  | AFT EQU LOW FLOW       | FH7  | 21-58-01  | ALL                          |
| 376  | AFT EQ SMOKE           | FE8  | 21-58-02  | GUI 115                      |
| 376  | FWD EQPT EXH DET       | FE8  | 21-58-02  | ALL                          |
| 377  | R FWD FUEL PUMP        | FH9  | 28-22-04  | ALL                          |
| 378  | R HYD SYS LO QTY       | EC7  | NC        | ALL                          |
| 379  | L TAT PROBE HEAT       | EC8  | NC        | ALL                          |
| 380  | NOT USED               |      |           | ALL                          |
| 381  | IDG TEMP/RISE SW       | BB5  | 24-11-02  | ALL                          |
| 382  | NOT USED               |      |           | ALL                          |
| 383  | NOT USED               |      |           | ALL                          |
| 384  | FWD CARGO DOOR         | AF15 | 52-71-01  | ALL                          |
| 385  | CARGO AIR FLOW         | FE7  | 26-16-01  | ALL                          |
| 386  | MAX THROTTLE-R         | DE13 | 73-21-05  | ALL                          |
| 387  | R GEAR DOWN SYS 1      | DF8  | 32-61-01  | ALL                          |
| 388  | R TURB OVHT LOOP 1     | DF5  | 26-13-02  | ALL                          |
| 389  | CARGO BTL 2 DISCH      | FC8  | 26-23-01  | ALL                          |
| 390  | NOT USED               |      |           | ALL                          |

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| CODE | DESCRIPTION                    | PIN  | SCHEMATIC | EFFECTIVITY                  |
|------|--------------------------------|------|-----------|------------------------------|
| 391  | NOT USED                       |      |           | ALL                          |
| 392  | R IRS FAULT                    | DE2  | 34-21-02  | ALL                          |
| 393  | APU DOOR                       | FE1  | 49-52-02  | ALL                          |
| 394  | R MAIN PITOT HI HT             | EK12 | 30-31-02  | ALL                          |
| 395  | R ENG HI STAGE                 | EK11 | 36-11-08  | ALL                          |
| 396  | L ENG BLEED OVHT               | EK10 | 36-22-01  | ALL                          |
| 397  | L ECS PACK BITE                | FD2  | 21-51-09  | ALL                          |
| 398  | ANTISKID ALTN                  | AD3  | 32-42-01  | ALL                          |
| 399  | FUEL XFEED VALVE               | EC2  | 28-22-01  | ALL                          |
| 400  | MID CABIN TEMP ZONE<br>(PP#18) | BE13 | NC        | -001 THRU -999 EICAS<br>*[1] |
| 400  | MID CABIN TEMP ZONE            | BE13 | NC        | -1001 THRU -9999 EICAS       |
| 401  | NOT USED                       |      |           | ALL                          |
| 402  | RAM OUTLET DOOR<br>(PP#26)     | DJ12 | 31-41-00  | -001 THRU -999 EICAS<br>*[1] |
| 402  | RAM OUTLET DOOR                | DJ12 | 31-41-00  | -1001 THRU -9999 EICAS       |
| 403  | L HYD SYS LO PRESS             | DE14 | 29-00-02  | ALL                          |
| 404  | R HYD RSVR PRES<17             | DK7  | 29-00-01  | ALL                          |
| 405  | RAT DEPLOY FAULT               | FH6  | 29-00-04  | ALL                          |
| 406  | L INSTLN (PP#5)                | DE3  | 31-41-01  | -001 THRU -999 EICAS<br>*[1] |
| 406  | L INSTLN                       | DE3  | 31-41-01  | -1001 THRU -9999 EICAS       |
| 407  | L ENG (PP#2)                   | DE4  | 31-41-01  | -001 THRU -999 EICAS<br>*[1] |
| 407  | L ENG                          | DE4  | 31-41-01  | -1001 THRU -9999 EICAS       |
| 408  | NOT USED                       |      |           | ALL                          |
| 409  | NOT USED                       |      |           | ALL                          |
| 410  | L HYD SYS LO QTY               | EA3  | 29-00-05  | ALL                          |
| 412  | WEU POWER SUPPLY               | BC8  | 31-51-05  | ALL                          |
| 413  | R ENG IGN ON STBY              | BK2  | 74-31-01  | ALL                          |
| 414  | RUDDER RATIO SYS               | DC13 | 27-20-02  | ALL                          |
| 415  | R ENG FUEL VALVE               | BD15 | 73-21-02  | ALL                          |
| 416  | FWD ACCESS DOOR                | BB7  | 52-71-01  | ALL                          |
| 417  | ENG BTL 2 DISCH                | FE3  | 26-21-01  | ALL                          |
| 418  | NOT USED                       |      |           | ALL                          |
| 419  | FWD CARGO DET FAN              | DG11 | 26-16-01  | ALL                          |
| 420  | APU FIRE LOOP 1                | DF4  | 26-15-01  | ALL                          |
| 421  | NOSE COMPR SYS 1               | FF8  | 32-09-02  | ALL                          |
| 422  | NOT USED                       |      |           | ALL                          |
| 423  | R ENG OIL FILTER               | DK3  | 79-35-01  | ALL                          |
| 424  | R IRS ON DC                    | DE5  | 34-21-02  | ALL                          |
| 425  | MACH SPEED TRIM                | FE4  | 22-24-01  | ALL                          |
| 426  | APU LOW OIL QUANT              | EK4  | 49-27-01  | ALL                          |
| 427  | R ENG BLEED OVHT               | EK2  | 36-22-01  | ALL                          |
| 428  | L ENG BLEED OFF                | EK3  | 36-22-01  | ALL                          |
| 429  | R ENG FUEL CUTOFF              | BJ3  | 73-21-02  | ALL                          |
| 430  | FIRE/DET SYSTEM                | EA2  | 26-16-02  | ALL                          |

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| CODE | DESCRIPTION            | PIN  | SCHEMATIC | EFFECTIVITY                  |
|------|------------------------|------|-----------|------------------------------|
| 431  | T/O CONFIG STAB        | EA1  | 27-40-01  | ALL                          |
| 432  | CERT AGENCY FAA(PP#16) | BD11 | 31-41-01  | -001 THRU -999 EICAS<br>*[1] |
| 432  | CERT AGENCY FAA        | BD11 | 31-41-01  | -1001 THRU -9999 EICAS       |
| 433  | NOT USED               |      |           | ALL                          |
| 434  | AFT EQ CLG FILTER      | DK11 | NC        | ALL                          |
| 435  | APU BAT DISCH          | DG10 | 24-33-02  | ALL                          |
| 436  | R ENG BVCU FAULT       | DJ2  | 75-32-01  | GUI 001-011, 115             |
| 436  | R ENG BVCU FAULT       | DJ2  | NC        | GUI 012-114, 116-999         |
| 437  | RAT UNLOCKED           | FK6  | 29-00-04  | ALL                          |
| 438  | L ENGINE (PP#03)       | DE6  | 31-41-01  | -001 THRU -999 EICAS<br>*[1] |
| 438  | L ENGINE               | DE6  | 31-41-01  | -1001 THRU -9999 EICAS       |
| 439  | LDG GR LEVER SYS 1     | DE7  | 32-61-01  | ALL                          |
| 440  | R ENG STARTER VAL      | DK2  | 80-11-02  | ALL                          |
| 441  | NOT USED               |      |           | ALL                          |
| 442  | FSEU FAULT(MAINT)      | DC14 | 27-50-01  | ALL                          |
| 443  | NOT USED               |      |           | ALL                          |
| 444  | NOT USED               |      |           | ALL                          |
| 445  | AIR/GROUND SYS 2       | BJ13 | 32-09-02  | ALL                          |
| 446  | R HYD RVSR PRES>55     | FJ3  | 29-00-01  | ALL                          |
| 447  | R WING TAI VALVE       | FJ2  | 30-11-01  | ALL                          |
| 448  | NOT USED               |      |           | ALL                          |
| 449  | R MAIN PITOT HEAT      | EA6  | 30-31-02  | ALL                          |
| 450  | R ELEV LOW PRESS       | DH2  | 27-30-01  | ALL                          |
| 451  | R BLEED DUCT LEAK      | DG4  | 26-18-02  | ALL                          |
| 452  | R AFT FUEL PUMP        | DH3  | 28-22-04  | ALL                          |
| 453  | L ENG FUEL TEMP        | BE6  | 26-11-03  | ALL                          |
| 454  | EQUIP COOLING TEST     | FK5  | 21-58-05  | ALL                          |
| 455  | L EEC (LIMITER)        | BH8  | NC        | ALL                          |
| 456  | L GEAR DOWN SYS 2      | FC5  | 32-61-01  | ALL                          |
| 457  | L MAIN PITOT H1 HT     | FB8  | 30-31-01  | ALL                          |
| 458  | NOT USED               |      |           | ALL                          |
| 459  | FUEL CONFIG            | ED3  | 28-41-01  | ALL                          |
| 460  | LE SLAT DISAGREE       | DB14 | 27-81-03  | ALL                          |
| 461  | BLEED ISOL VALVE       | BB13 | 36-11-05  | ALL                          |
| 462  | R HYD ELEC PUMP PR     | FK2  | 29-00-03  | ALL                          |
| 463  | LDG CONFIG-SPD BK      | BC14 | 31-51-04  | ALL                          |
| 464  | ELEV ASYM PROT SYS     | EG15 | 27-30-01  | ALL                          |
| 465  | NOT USED               |      |           | ALL                          |
| 466  | R ENG OVHT             | DG5  | 26-11-04  | ALL                          |
| 467  | L ENG FIRE LOOP 1      | DG6  | 26-11-01  | ALL                          |
| 468  | NOT USED               |      |           | ALL                          |
| 469  | L ELEV LOW PRESS       | BH9  | 27-30-01  | ALL                          |
| 470  | NOT USED               |      |           | ALL                          |

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EICAS DISAGREE OR FAIL CODES (TABLE 101)

| CODE | DESCRIPTION         | PIN  | SCHEMATIC | EFFECTIVITY                                    |
|------|---------------------|------|-----------|--|
| 471  | C HYD PUMP #1 OH    | BK8  | 29-00-04  | ALL  |
| 472  | AFT CARGO FIRE      | FF7  | 26-16-02  | ALL  |
| 473  | 767 INSTL (PP#11)   | FB7  | NC        | -001 THRU -999 EICAS                           |
| 473  | 767 INSTL           | FB7  | NC        | -1001 THRU -9999 EICAS                         |
| 474  | LE SLAT ASYM        | EB1  | 27-81-05  | ALL  |
| 475  | FLAP LOAD RELIEF    | DB15 | 27-51-03  | ALL  |
| 476  | NOT USED            |      |           | ALL  |
| 477  | ALTITUDE ALERT      | BE14 | 34-16-01  | ALL  |
| 478  | A/P CAUTION-2 (NRM) | BJ2  | 22-14-01  | ALL  |
| 479  | NOT USED            |      |           | ALL  |
| 480  | APU FAULT (MAINT)   | BA13 | 49-61-01  | ALL  |
| 481  | R EMERGENCY DOOR    | BD5  | 52-71-01  | ALL  |
| 482  | R HYD ENG PUMP OH   | AK4  | 29-00-03  | ALL  |
| 483  | L ENG LO OIL PRESS  | AH3  | 79-33-01  | ALL  |
| 484  | R ENG FIRE LOOP 1   | AG2  | 26-11-02  | ALL  |
| 485  | NOT USED            |      |           | ALL  |
| 486  | L ENG DED GEN       | BJ10 | 73-21-04  | ALL  |
| 487  | FWD FUEL X-FEED     | FF3  | 28-22-01  | AIRPLANES WITH A DUAL<br>FUEL CROSSFEED SYSTEM |
| 488  | R ICE DETECTOR      | FE6  | 30-81-01  | *[1]   |
| 489  | C ELEV LOW PRESS    | FK8  | 27-30-01  | ALL  |
| 490  | NOT USED            |      |           | ALL  |
| 491  | NOT USED            |      |           | ALL  |
| 492  | NOT USED            |      |           | ALL  |
| 493  | NOT USED            |      |           | ALL  |
| 494  | MAIN BAT CHARGER    | EA12 | 24-31-01  | ALL  |
| 495  | NOT USED            |      |           | ALL  |
| 496  | L EMERGENCY DOOR    | BB12 | 52-71-01  | ALL  |
| 497  | AFT CARGO DOOR      | BA7  | 52-71-01  | ALL  |
| 497  | AFT CARGO DOOR      | BA7  | 52-71-01  | GUI 001-114, 116-999                           |
|      |                     | BA7  | NC        | GUI 115  |
| 498  | APU BTL 1 DISCH     | DF2  | NC        | ALL  |
| 499  | R ENG DED GEN       | DJ3  | 75-21-05  | ALL  |
| 500  | FSEU FAULT (STATUS) | DF3  | 27-50-01  | ALL  |
| 501  | NOT USED            |      |           | ALL  |
| 502  | C IRS FAULT         | FC4  | 34-21-03  | ALL  |
| 503  | AFT EQ SPLY FAN 1   | FK7  | 21-58-05  | ALL  |
| 504  | AVM FILTER (PP#12)  | FD8  | 31-41-01  | -001 THRU -999 EICAS<br>*[1]                   |
| 504  | AVM FILTER          | FD8  | 31-41-01  | -1001 THRU -9999 EICAS                         |
| 505  | FWD CABIN AIR OVHT  | FK9  | 21-61-02  | ALL  |

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EICAS DISAGREE OR FAIL CODES (TABLE 101)

| CODE | DESCRIPTION           | PIN           | SCHEMATIC | EFFECTIVITY |
|------|-----------------------|---------------|-----------|-------------|
| 506  | ELEV POS-L            | EH6           | 27-30-01  | ALL         |
| 507  | ELEV POS-R            | EH7           | 27-30-01  | ALL         |
| 508  | ENG EGT-L             | BA15          | 77-00-01  | ALL         |
| 509  | ENG EGT-R             | EB15          | 77-00-01  | ALL         |
| 510  | START ENG FUEL FLOW L | AJ8           | 73-31-01  | ALL         |
|      | STOP FUEL FLOW L      | AJ7           |           | ALL         |
|      | COM FUEL FLOW L       | AJ9           |           | ALL         |
| 511  | START ENG FUEL FLOW R | DJ1           | 73-31-01  | ALL         |
|      | STOP FUEL FLOW R      | DH1           |           | ALL         |
|      | COM FUEL FLOW R       | DK1           |           | ALL         |
| 512  | ENG FUEL PR-L         | AJ10          | NC        | ALL         |
| 513  | ENG FUEL PR-R         | DG14          | NC        | ALL         |
| 514  | ENG N1-L              | BD1/BD2       | 77-12-01  | ALL         |
| 515  | ENG N1-R              | EK14          | 77-12-01  | ALL         |
|      |                       | EB14          |           |             |
| 516  | ENG N2-L              | AJ6/AJ5       | 77-12-02  | ALL         |
| 517  | ENG N2-R              | DJ8/DJ9       | 77-12-02  | ALL         |
| 518  | ENG N3-L              | AF11/<br>AD12 | 77-12-03  | ALL         |
| 519  | ENG N3-R              | DA7/DE8       | 77-12-03  | ALL         |
| 520  | ENG OIL PR-L          | BH2           | 79-32-01  | ALL         |
| 521  | ENG OIL PR-R          | EH11          | 79-32-01  | ALL         |
| 522  | ENG OIL QTY-L         | BJ8           | 79-31-01  | ALL         |
| 523  | ENG OIL QTY-R         | EG13          | 79-31-01  | ALL         |
| 524  | ENG OIL TEMP-L        | AH11/<br>AH10 | 79-34-01  | ALL         |
| 525  | ENG OIL TEMP-R        | DH9/<br>DH10  | 79-34-01  | ALL         |
| 526  | NOT USED              |               |           | ALL         |
| 527  | NOT USED              |               |           | ALL         |
| 528  | GEN LOAD-L            | EE9           | 24-28-01  | ALL         |
| 529  | GEN LOAD-R            | EE10          | 24-28-01  | ALL         |
| 530  | GPU AC VOLTS          | EG12          | 24-28-01  | ALL         |
| 531  | GPU AC FREQ           | EG12          | 24-28-01  | ALL         |
| 532  | GPU LOAD              | EE12          | 24-28-01  | ALL         |
| 533  | HYD PRESS-C           | BH4           | 29-00-05  | ALL         |
| 534  | HYD PRESS-L           | BH3           | 29-00-05  | ALL         |
| 535  | HYD PRESS-R           | DK14          | 29-00-05  | ALL         |
| 536  | HYD QUANT-C           | AF4           | 29-00-05  | ALL         |
| 537  | HYD QUANT-L           | AF3           | 29-00-05  | ALL         |
| 538  | HYD QUANT-R           | AF5           | 29-00-05  | ALL         |
| 539  | IDG TEMP L            | EE7           | 24-11-01  | ALL         |
| 540  | IDG TEMP R            | EE8           | 24-11-02  | ALL         |

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EICAS DISAGREE OR FAIL CODES (TABLE 101)

| CODE | DESCRIPTION              | PIN           | SCHEMATIC | EFFECTIVITY                                   |
|------|--------------------------|---------------|-----------|---|
| 541  | INVERTER AC VOLTS        | EG11          | 24-28-01  | ALL   |
| 542  | INVERTER AC FREQ         | EG11          | 24-28-01  | ALL   |
| 543  | MAIN BATT CURRENT        | BD6           | 24-31-01  | ALL   |
| 544  | MAIN BATT VOLTS          | FA4           | 24-33-01  | ALL   |
| 545  | RUDDER POS               | EH10          | 27-20-01  | ALL   |
| 546  | TRU CURRENT-L            | BD9/BD10      | 24-32-01  | ALL   |
| 547  | TRU CURRENT-R            | BD12/<br>BD13 | 24-32-01  | ALL   |
| 548  | TRU VOLTS-L              | EG14          | 24-32-01  | ALL   |
| 549  | TRU VOLTS-R              | BE1           | 24-32-01  | ALL   |
| 550  | IDG RISE-L               |               |           | ALL   |
| 551  | IDG RISE-R               |               |           | ALL   |
| 999  | MASTER CAUT LIGHT DRIVER | AF8           | 31-41-06  | AIRPLANES WITH -106 THRU -110 EICAS COMPUTERS |

H. EICAS DISAGREE Trouble-Shooting

(1) The EICAS status level message, EICAS DISAGREE, or the maintenance level message, EICAS BITE, can occur from one or more of the conditions that follow:

(a) Engine Parameter Disagreement

When one of the EICAS computers finds a disagreement between its value and the value from the other computer and the two values are in range, an ENGINE DISAGREE code is put in NVM. This code will show on the TEST page. The code will be put in NVM when the disagreement occurs for 60 seconds (3 consecutive background cycles) for the engine parameters in the table that follows:

| PARAMETER | CODE FOR LEFT ENGINE | CODE FOR RIGHT ENGINE |
|-----------|----------------------|-----------------------|
| EGT       | 508                  | 509                   |
| FF        | 510                  | 511                   |
| N1        | 514                  | 515                   |
| N2        | 516                  | 517                   |
| N3        | 518                  | 519                   |
| OIL P     | 520                  | 521                   |
| OIL Q     | 522                  | 523                   |

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|---|-----|-----|
| OIL T<br>(AIRPLANES<br>WITH DUAL<br>OIL TEMP.<br>SENSORS) | 524 | 525 |
|---|-----|-----|

- (b) If the same disagree code is put in the two computers and they pass the self-test, you can make sure the failure is correct in two different ways. You can monitor the parameter during the usual operation and switch between the two computers or you can remove the two computers and do ATE tests on them.

If the disagree code is put in only one computer, or the two computers have different codes, it is probably a nuisance code. Too much noise on the input signal can cause random disagreements. It is possible that a computer can see 3 disagreements in a row which will cause the disagree code.

If the same disagree code occurs on more than 2 different flights for a length of time and the computers were replaced, the failure is probably a result of bad sensors or airplane wiring.

- (c) Master Caution Light Disagreement

A monitor was added to compare the condition of the left and right Master Caution outputs. If a disagreement occurs for more than 3.6 seconds, it will cause a 999 DISCRETE disagree code. Other DISCRETE disagree codes or a CU MONITOR code can also occur with the 999 DISCRETE code.

If the 999 code occurs, a computer failure will probably occur during the self-test. However, if there is not a computer failure, it is possible that the 999 code was caused by a condition that follows:

- 1) Intermixed computers that have different message logic
- 2) An internal diode failure on the input of a caution related discrete

NOTE: This condition can only be the cause (without another DISCRETE disagree code) if the caution related condition lasted for less than 60 seconds (3 consecutive background cycles).

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3) A wire failure on the input of a caution related discrete

NOTE: This condition can only be the cause (without another DISCRETE disagree code) if the caution related condition lasted for less than 60 seconds (3 consecutive background cycles).

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2. ARINC 429 Data Bus Charts

A. General

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

- (1) ARINC 429 data bus chart supply data that is necessary to make an analysis of the ARINC 429 transmitters, receivers, and data buses. Tests are done at available terminal blocks or at LRU connectors with a breakout box.
- (2) The Digital Output Bus Chart shows the type, rate, and connector/pin location for each bus.
- (3) The OCTAL LABELS CHART shows the BNR, BCD, and Discrete output signals on each of the buses. The TYPE column shows the bus on which the data is transmitted. The DIGITAL OUTPUT BUS CHART shows the input of the buses. To find the discrete format signal go to the DISCRETE OCTAL LABELS/BIT CHART.
- (4) The DISCRETE OCTAL LABELS/BIT CHART shows discrete signals sent on the data bus. Each discrete octal label shows with the bit signals applicable to that octal label.

B. Equipment

- (1) Standard multimeter
- (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)

| EICAS                    |      |     |     |         |            |          |                  |
|--------------------------|------|-----|-----|---------|------------|----------|------------------|
| DIGITAL OUTPUT BUS CHART |      |     |     |         |            |          |                  |
| BUS NAME                 |      |     | CON | PINS    | BUS FORMAT | BIT RATE | DATA BUS         |
| SOURCE                   | TYPE | BUS |     |         |            |          |                  |
| EICAS ( L R )            | A    | 1   | B   | A09 B09 | 429        | HI       | AIDS DATA        |
| EICAS ( L R )            | B    | 2   | B   | C10 C11 | 429        | LO       | MISC ENGINE DATA |
| EICAS ( L R )            | C    | 3   | B   | C12 C13 | 429        | LO       | EICAS WRAPAROUND |
| EICAS ( L R )            | D    | 4   | A   | E12 F12 | 429        | HI       | EICAS XTALK DATA |

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| EICAS ID=029       |      |       |        |                 |     |              |                |        |
|--------------------|------|-------|--------|-----------------|-----|--------------|----------------|--------|
| OCTAL LABELS CHART |      |       |        |                 |     |              |                |        |
| SIGNAL             | TYPE | LABEL | FORMAT | MIN UPDATE RATE | SDI | BINARY RANGE | POSITIVE SENSE | UNITS  |
| AIL POS OUTER L    | A    | 001   | BNR    | 10              | 10  | ± 180        | SURFACE UP     | DEG    |
| AIL POS OUTER R    | A    | 001   | BNR    | 10              | 11  | ± 180        | SURFACE UP     | DEG    |
| APU BATT CURRENT   | A    | 002   | BNR    | 5               | 00  | ± 256        | BAT CHRNGNG    | AMP DC |
| APU BATT VOLTS     | A    | 002   | BNR    | 5               | 01  | 50           | ALWAYS POS     | VDC    |
| APU BUS AC VOLTS   | A    | 002   | BNR    | 5               | 10  | 256          | ALWAYS POS     | VAC    |
| APU BUS FREQ       | A    | 002   | BNR    | 5               | 11  | 512          | ALWAYS POS     | HZ     |
| APU EGT            | A    | 003   | BNR    | 5               | 00  | 2048         | ALWAYS POS     | DEG-C  |
| APU LOAD           | A    | 003   | BNR    | 5               | 01  | 256          | ALWAYS POS     | %LOAD  |
| APU OIL LEVEL      | A    | 003   | BNR    | 5               | 10  | 6            | ALWAYS POS     | INCHES |
| APU RPM            | A    | 003   | BNR    | 5               | 11  | 256          | ALWAYS POS     | %RPM   |
| BRAKE 1 TEMP       | A    | 004   | BNR    | 5               | 00  | 256          | ALWAYS POS     | %FSD   |
| BRAKE 2 TEMP       | A    | 004   | BNR    | 5               | 01  | 256          | ALWAYS POS     | %FSD   |
| BRAKE 3 TEMP       | A    | 004   | BNR    | 5               | 10  | 256          | ALWAYS POS     | %FSD   |
| BRAKE 4 TEMP       | A    | 004   | BNR    | 5               | 11  | 256          | ALWAYS POS     | %FSD   |
| BRAKE 5 TEMP       | A    | 005   | BNR    | 5               | 00  | 256          | ALWAYS POS     | %FSD   |
| BRAKE 6 TEMP       | A    | 005   | BNR    | 5               | 01  | 256          | ALWAYS POS     | %FSD   |
| BRAKE 7 TEMP       | A    | 005   | BNR    | 5               | 10  | 256          | ALWAYS POS     | %FSD   |
| BRAKE 8 TEMP       | A    | 005   | BNR    | 5               | 11  | 256          | ALWAYS POS     | %FSD   |
| BUS AC VOLTS L     | A    | 006   | BNR    | 5               | 00  | 256          | ALWAYS POS     | VAC    |
| BUS AC VOLTS R     | A    | 006   | BNR    | 5               | 01  | 256          | ALWAYS POS     | VAC    |

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| EICAS ID=029       |      |       |        |                 |                                     |              |                |       |
|--------------------|------|-------|--------|-----------------|-------------------------------------|--------------|----------------|-------|
| OCTAL LABELS CHART |      |       |        |                 |                                     |              |                |       |
| SIGNAL             | TYPE | LABEL | FORMAT | MIN UPDATE RATE | SDI                                 | BINARY RANGE | POSITIVE SENSE | UNITS |
| BUS FREQ L         | A    | 006   | BNR    | 5               | 10                                  | 512          | ALWAYS POS     | HZ    |
| BUS FREQ R         | A    | 006   | BNR    | 5               | 11                                  | 512          | ALWAYS POS     | HZ    |
| CREW OXY PRESSURE  | A    | 007   | BNR    | 5               | 00                                  | 4096         | ALWAYS POS     | PSI   |
| DISC WORD #01      | A    | 007   | DIS    | 0.5             | 01 (SEE DISC OCTAL LABEL/BIT CHART) |              |                |       |
| DISC WORD #02      | A    | 007   | DIS    | 0.5             | 10 (SEE DISC OCTAL LABEL/BIT CHART) |              |                |       |
| DISC WORD #03      | A    | 007   | DIS    | 0.5             | 11 (SEE DISC OCTAL LABEL/BIT CHART) |              |                |       |
| DISC WORD #04      | A    | 010   | DIS    | 0.5             | 00 (SEE DISC OCTAL LABEL/BIT CHART) |              |                |       |
| DISC WORD #05      | A    | 010   | DIS    | 0.5             | 01 (SEE DISC OCTAL LABEL/BIT CHART) |              |                |       |
| DISC WORD #06      | A    | 010   | DIS    | 0.5             | 10 (SEE DISC OCTAL LABEL BIT CHART) |              |                |       |
| DISC WORD #07      | A    | 010   | DIS    | 0.5             | 11 (SEE DISC OCTAL LABEL BIT CHART) |              |                |       |
| DISC WORD #08      | A    | 011   | DIS    | 0.5             | 00 (SEE DISC OCTAL LABEL BIT CHART) |              |                |       |
| DISC WORD #09      | A    | 011   | DIS    | 0.5             | 01 (SEE DISC OCTAL LABEL BIT CHART) |              |                |       |
| DISC WORD #10      | A    | 011   | DIS    | 0.5             | 10 (SEE DISC OCTAL LABEL BIT CHART) |              |                |       |
| DISC WORD #11      | A    | 011   | DIS    | 0.5             | 11 (SEE DISC OCTAL LABEL BIT CHART) |              |                |       |

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| EICAS ID=029       |      |       |        |                 |     |              |                |                                     |
|--------------------|------|-------|--------|-----------------|-----|--------------|----------------|-------------------------------------|
| OCTAL LABELS CHART |      |       |        |                 |     |              |                |                                     |
| SIGNAL             | TYPE | LABEL | FORMAT | MIN UPDATE RATE | SDI | BINARY RANGE | POSITIVE SENSE | UNITS                               |
| DISC WORD #12      | A    | 012   | DIS    | 0.5             |     |              |                | 00 (SEE DISC OCTAL LABEL BIT CHART) |
| DISC WORD #13      | A    | 012   | DIS    | 0.5             |     |              |                | 01 (SEE DISC OCTAL LABEL BIT CHART) |
| DISC WORD #14      | A    | 012   | DIS    | 0.5             |     |              |                | 10 (SEE DISC OCTAL LABEL BIT CHART) |
| DISC WORD #15      | A    | 012   | DIS    | 0.5             |     |              |                | 11 (SEE DISC OCTAL LABEL BIT CHART) |
| DISC WORD #16      | A    | 013   | DIS    | 0.5             |     |              |                | 00 (SEE DISC OCTAL LABEL BIT CHART) |
| DISC WORD #17      | A    | 013   | DIS    | 0.5             |     |              |                | 01 (SEE DISC OCTAL LABEL BIT CHART) |
| DISC WORD #18      | A    | 013   | DIS    | 0.5             |     |              |                | 10 (SEE DISC OCTAL LABEL BIT CHART) |
| DISC WORD #19      | A    | 013   | DIS    | 0.5             |     |              |                | 11 (SEE DISC OCTAL LABEL BIT CHART) |
| DISC WORD #20      | A    | 014   | DIS    | 0.5             |     |              |                | 00 (SEE DISC OCTAL LABEL BIT CHART) |
| DISC WORD #21      | A    | 014   | DIS    | 0.5             |     |              |                | 01 (SEE DISC OCTAL LABEL BIT CHART) |
| DISC WORD #22      | A    | 014   | DIS    | 0.5             |     |              |                | 10 (SEE DISC OCTAL LABEL BIT CHART) |
| DISC WORD #23      | A    | 014   | DIS    | 0.5             |     |              |                | 11 (SEE DISC OCTAL LABEL BIT CHART) |
| DISC WORD #24      | A    | 015   | DIS    | 0.5             |     |              |                | 00 (SEE DISC OCTAL LABEL BIT CHART) |
| DISC WORD #25      | A    | 015   | DIS    | 0.5             |     |              |                | 01 (SEE DISC OCTAL LABEL BIT CHART) |

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|--------------------|------|-------|--------|-----------------|-------------------------------------|--------------|----------------|--------|
| OCTAL LABELS CHART |      |       |        |                 |                                     |              |                |        |
| SIGNAL             | TYPE | LABEL | FORMAT | MIN UPDATE RATE | SDI                                 | BINARY RANGE | POSITIVE SENSE | UNITS  |
| DISC WORD #26      | A    | 015   | DIS    | 0.5             | 10 (SEE DISC OCTAL LABEL BIT CHART) |              |                |        |
| DISC WORD #27      | A    | 015   | DIS    | 0.5             | 11 (SEE DISC OCTAL LABEL BIT CHART) |              |                |        |
| DISC WORD #28      | A    | 016   | DIS    | 0.5             | 00 (SEE DISC OCTAL LABEL BIT CHART) |              |                |        |
| DISC WORD #29      | A    | 016   | DIS    | 0.5             | 01 (SEE DISC OCTAL LABEL BIT CHART) |              |                |        |
| DISC WORD #30      | A    | 016   | DIS    | 0.5             | 10 (SEE DISC OCTAL LABEL BIT CHART) |              |                |        |
| ELEV POS L         | A    | 016   | BNR    | 10              | 11                                  | ± 180        | SURFACE UP     | DEG    |
| ELEV POS R         | A    | 017   | BNR    | 10              | 00                                  | ± 180        | SURFACE UP     | DEG    |
| ENG EGT L          | A    | 017   | BNR    | 10              | 01                                  | ± 2048       | ABOVE 0'C      | DEG-C  |
| ENG FUEL FLOW-L    | A    | 017   | BNR    | 10              | 11                                  | 32768        | ALWAYS POS     | LBS/H  |
| ENG EGT R          | A    | 017   | BNR    | 10              | 10                                  | ± 2048       | ABOVE 0'C      | DEG-C  |
| ENG FUEL FLOW-R    | A    | 020   | BNR    | 10              | 00                                  | 32768        | ALWAYS POS     | LBS/HR |
| ENG N1-ACTUAL-L    | A    | 020   | BNR    | 10              | 01                                  | 256          | ALWAYS POS     | %RPM   |
| ENG N1-ACTUAL-R    | A    | 020   | BNR    | 10              | 10                                  | 256          | ALWAYS POS     | %RPM   |
| ENG N2-ACTUAL-L    | A    | 020   | BNR    | 10              | 11                                  | 256          | ALWAYS POS     | %RPM   |
| ENG N2-ACTUAL-R    | A    | 021   | BNR    | 10              | 00                                  | 256          | ALWAYS POS     | %RPM   |
| ENG N3 ACTUAL-L    | A    | 021   | BNR    | 10              | 01                                  | 256          | ALWAYS POS     | %RPM   |
| ENG N3 ACTUAL-R    | A    | 021   | BNR    | 10              | 10                                  | 256          | ALWAYS POS     | %RPM   |

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|--------------------|------|-------|--------|-----------------|-----|--------------|----------------|---------|
| OCTAL LABELS CHART |      |       |        |                 |     |              |                |         |
| SIGNAL             | TYPE | LABEL | FORMAT | MIN UPDATE RATE | SDI | BINARY RANGE | POSITIVE SENSE | UNITS   |
| ENG OIL PRES-L     | A    | 021   | BNR    | 10              | 11  | 4096         | ALWAYS POS     | PSI     |
| ENG OIL PRES-R     | A    | 022   | BNR    | 10              | 00  | 4096         | ALWAYS POS     | PSI     |
| ENG OIL QTY-L      | A    | 022   | BNR    | 5               | 01  | 128          | ALWAYS POS     | US PINT |
| ENG OIL QTY-R      | A    | 022   | BNR    | 5               | 10  | 128          | ALWAYS POS     | US PINT |
| ENG OIL TEMP L     | A    | 022   | BNR    | 5               | 11  | ± 2048       | ABOVE 0'C      | DEG-C   |
| ENG OIL TEMP R     | A    | 023   | BNR    | 5               | 00  | ± 2048       | ABOVE 0'C      | DEG-C   |
| ENG VIBRATION L    | A    | 023   | BNR    | 5               | 01  | 5.12         | ALWAYS POS     |         |
| ENG VIBRATION R    | A    | 023   | BNR    | 5               | 10  | 5.12         | ALWAYS POS     |         |
| ENG EPR ACTUAL-L   | A    | 023   | BNR    | 10              | 11  | 4            | ALWAYS POS     | RATIO   |
| ENG EPR ACTUAL-R   | A    | 024   | BNR    | 10              | 00  | 4            | ALWAYS POS     | RATIO   |
| ENG FUEL PRES-L    | A    | 024   | BNR    | 5               | 01  | 256          | ALWAYS POS     | PSI     |
| ENG FUEL PRES-R    | A    | 024   | BNR    | 5               | 10  | 256          | ALWAYS POS     | PSI     |
| ENG EPR COMMAND L  | A    | 024   | BNR    | 10              | 11  | 4            | ALWAYS POS     | RATIO   |
| ENG EPR COMMAND R  | A    | 025   | BNR    | 10              | 00  | 4            | ALWAYS POS     | RATIO   |
| ENG EPR LIMIT-L    | A    | 025   | BNR    | 10              | 01  | 4            | ALWAYS POS     | RATIO   |
| ENG EPR LIMIT-R    | A    | 025   | BNR    | 10              | 10  | 4            | ALWAYS POS     | RATIO   |
| TOTAL AIR TEMP     | A    | 025   | BNR    | 2               | 11  | ± 512        | ABOVE 0'C      | DEG C   |
| ENG EPR TARGET-FMC | A    | 026   | BNR    | 5               | 00  | 4            | ALWAYS POS     | RATIO   |
| GEN LOAD L         | A    | 026   | BNR    | 5               | 01  | 256          | ALWAYS POS     | %       |
| GEN LOAD R         | A    | 026   | BNR    | 5               | 10  | 256          | ALWAYS POS     | %       |

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| OCTAL LABELS CHART |      |       |        |                 |     |              |                |        |
| SIGNAL             | TYPE | LABEL | FORMAT | MIN UPDATE RATE | SDI | BINARY RANGE | POSITIVE SENSE | UNITS  |
| GPU AC VOLTS       | A    | 026   | BNR    | 5               | 11  | 256          | ALWAYS POS     | VAC    |
| GPU FREQ           | A    | 027   | BNR    | 5               | 00  | 512          | ALWAYS POS     | HZ     |
| GPU LOAD           | A    | 027   | BNR    | 5               | 01  | 256          | ALWAYS POS     | %LOAD  |
| HYD PRES C         | A    | 027   | BNR    | 5               | 10  | 4096         | ALWAYS POS     | PSI    |
| HYD PRES L         | A    | 027   | BNR    | 5               | 11  | 4096         | ALWAYS POS     | PSI    |
| HYD PRES R         | A    | 030   | BNR    | 5               | 00  | 4096         | ALWAYS POS     | PSI    |
| HYD QUANT C        | A    | 030   | BNR    | 5               | 01  | 256          | ALWAYS POS     | %FULL  |
| HYD QUANT L        | A    | 030   | BNR    | 5               | 10  | 256          | ALWAYS POS     | %FULL  |
| HYD QUANT R        | A    | 030   | BNR    | 5               | 11  | 256          | ALWAYS POS     | %FULL  |
| IDG OIL TEMP L     | A    | 031   | BNR    | 5               | 00  | ± 2048       | ALWAYS POS     | DEG-C  |
| IDG OIL TEMP R     | A    | 031   | BNR    | 5               | 01  | ± 2048       | ALWAYS POS     | DEG-C  |
| INVERTER AC VOLTS  | A    | 031   | BNR    | 5               | 10  | 256          | ALWAYS POS     | VAC    |
| INVERTER FREQ      | A    | 031   | BNR    | 5               | 11  | 512          | ALWAYS POS     | HZ     |
| MAIN BATT CURRENT  | A    | 032   | BNR    | 5               | 00  | ± 256        | BAT CHRNG      | AMP DC |
| MAIN BATT VOLTS    | A    | 032   | BNR    | 5               | 01  | ± 128        | ALWAYS POS     | VDC    |
| PACK OUT TEMP L    | A    | 032   | BNR    | 5               | 10  | ± 2048       | ABOVE 0'C      | DEG C  |
| PACK OUT TEMP R    | A    | 032   | BNR    | 5               | 11  | ± 2048       | ABOVE 0'C      | DEG C  |
| RUDDER POS         | A    | 033   | BNR    | 10              | 00  | ± 180        | RIGHT RUDDER   | DEG    |
| TRU CURRENT L      | A    | 033   | BNR    | 5               | 01  | ± 256        | ALWAYS POS     | AMP DC |
| TRU CURRENT R      | A    | 033   | BNR    | 5               | 10  | ± 256        | ALWAYS POS     | AMP DC |

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| OCTAL LABELS CHART |      |       |        |                 |                                     |              |                |        |
| SIGNAL             | TYPE | LABEL | FORMAT | MIN UPDATE RATE | SDI                                 | BINARY RANGE | POSITIVE SENSE | UNITS  |
| TRU VOLTS L        | A    | 033   | BNR    | 5               | 11                                  | ± 128        | ALWAYS POS     | VDC    |
| FILTER3 VIB-L      | A    | 034   | BNR    | 5               | 11                                  | 5.12         | ALWAYS POS     |        |
| TRU VOLTS R        | A    | 034   | BNR    | 5               | 00                                  | ± 128        | ALWAYS POS     | VDC    |
| FILTER1 VIB-L      | A    | 035   | BNR    | 5               | 11                                  | 5.12         | ALWAYS POS     |        |
| ENG EPR REF-TMC L  | A    | 034   | BNR    | 5               | 01                                  | 4            | ALWAYS POS     | RATIO  |
| ENG EPR REF-TMC R  | A    | 034   | BNR    | 5               | 10                                  | 4            | ALWAYS POS     | RATIO  |
| FILTER3 VIB-R      | A    | 035   | BNR    | 5               | 00                                  | 5.12         | ALWAYS POS     |        |
| FILTER2 VIB-L      | A    | 035   | BNR    | 5               | 01                                  | 5.12         | ALWAYS POS     |        |
| FILTER2 VIB-R      | A    | 035   | BNR    | 5               | 10                                  | 5.12         | ALWAYS POS     |        |
| FILTER1 VIB-R      | A    | 036   | DIS    | 5               | 00                                  | 5.12         | ALWAYS POS     |        |
| R BLEED DUCT PRESS | A    | 036   | BNR    | 5               | 10                                  | 128          | ALWAYS POS     | PSI    |
| DISC WORD #31      | A    | 036   | DIS    | 0.5             | 11 (SEE DISC OCTAL LABEL BIT CHART) |              |                |        |
| DISC WORD #32      | A    | 037   | DIS    | 0.5             | 00 (SEE DISC OCTAL LABEL BIT CHART) |              |                |        |
| DISC WORD #33      | A    | 037   | DIS    | 0.5             | 01 (SEE DISC OCTAL LABEL BIT CHART) |              |                |        |
| DISC WORD #34      | A    | 037   | DIS    | 0.5             | 10 (SEE DISC OCTAL LABEL BIT CHART) |              |                |        |
| DISC WORD #35      | A    | 037   | DIS    | 5               | 11 (SEE DISC OCTAL LABEL BIT CHART) |              |                |        |
| AFT TRIM VALVE     | A    | 040   | BNR    | 5               | 00                                  | 128          | ALWAYS POS     | % OPEN |
| F/DECK TRIM VALVE  | A    | 040   | BNR    | 5               | 01                                  | 128          | ALWAYS POS     | % OPEN |
| FWD TRIM VALVE     | A    | 040   | BNR    | 5               | 10                                  | 128          | ALWAYS POS     | % OPEN |

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| SIGNAL             | TYPE | LABEL | FORMAT | MIN UPDATE RATE | SDI | BINARY RANGE | POSITIVE SENSE | UNITS    |
| L PACK AIR FLOW    | A    | 040   | BNR    | 5               | 11  | 2560         | ALWAYS POS     | CUFT/M   |
| L PACK TEMP VALVE  | A    | 041   | BNR    | 5               | 00  | 128          | ALWAYS POS     | % OPEN   |
| BARO ALTITUDE      | A    | 041   | BNR    | 5               | 10  | ± 131072     | ALWAYS POS     | FEET     |
| L RAM IN DOOR      | A    | 041   | BNR    | 5               | 01  | 128          | ALWAYS POS     | % CLOSED |
| L RAM OUT DOOR     | A    | 041   | BNR    | 5               | 11  | 128          | ALWAYS POS     | % CLOSED |
| COMPUTED AIRSPEED  | A    | 042   | BNR    | 2               | 11  | ± 1024       | ALWAYS POS     | KNOTS    |
| R PACK AIR FLOW    | A    | 042   | BNR    | 5               | 00  | 2560         | ALWAYS POS     | CUFT/M   |
| R PACK TEMP VALVE  | A    | 042   | BNR    | 5               | 01  | 128          | ALWAYS POS     | % OPEN   |
| R RAM IN DOOR      | A    | 042   | BNR    | 5               | 10  | 128          | ALWAYS POS     | % CLOSED |
| R RAM OUT DOOR     | A    | 043   | BNR    | 5               | 00  | 128          | ALWAYS POS     | % CLOSED |
| AFT DUCT TEMP      | A    | 043   | BNR    | 5               | 01  | ± 2048       | ABOVE 0'C      | DEG C    |
| BULK CARGO TEMP    | A    | 043   | BNR    | 5               | 10  | ± 2048       | ABOVE 0'C      | DEG C    |
| FLT DECK DUCT TEMP | A    | 043   | BNR    | 5               | 11  | ± 2048       | ALWAYS POS     | DEG C    |
| FWD DUCT TEMP      | A    | 044   | BNR    | 5               | 00  | ± 2048       | ABOVE 0'C      | DEG C    |
| L COMPR OUT TEMP   | A    | 044   | BNR    | 5               | 01  | ± 2048       | ABOVE 0'C      | DEG C    |
| L PRECOOL OUT TEMP | A    | 044   | BNR    | 5               | 10  | ± 2048       | ABOVE 0'C      | DEG C    |
| L PRIM HX IN TEMP  | A    | 044   | BNR    | 5               | 11  | ± 2048       | ABOVE 0'C      | DEG C    |
| L PRIM HX OUT TEMP | A    | 045   | BNR    | 5               | 00  | ± 2048       | ABOVE 0'C      | DEG C    |

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| OCTAL LABELS CHART |      |       |        |                 |                                     |              |                |        |
| SIGNAL             | TYPE | LABEL | FORMAT | MIN UPDATE RATE | SDI                                 | BINARY RANGE | POSITIVE SENSE | UNITS  |
| L SEC HX OUT TEMP  | A    | 045   | BNR    | 5               | 01                                  | ± 2048       | ABOVE 0°C      | DEG C  |
| L TURB IN TEMP     | A    | 045   | BNR    | 5               | 10                                  | ± 2048       | ABOVE 0°C      | DEG C  |
| R COMPR OUT TEMP   | A    | 045   | BNR    | 5               | 11                                  | ± 2048       | ABOVE 0°C      | DEG C  |
| R PRECOOL OUT TEMP | A    | 046   | BNR    | 5               | 00                                  | ± 2048       | ABOVE 0°C      | DEG C  |
| R PRIM HX IN TEMP  | A    | 046   | BNR    | 5               | 01                                  | ± 2048       | ABOVE 0°C      | DEG C  |
| R PRIM HX OUT TEMP | A    | 046   | BNR    | 5               | 10                                  | ± 2048       | ABOVE 0°C      | DEG C  |
| R SEC HX OUT TEMP  | A    | 046   | BNR    | 5               | 11                                  | ± 2048       | ABOVE 0°C      | DEG C  |
| R TURB IN TEMP     | A    | 047   | BNR    | 5               | 00                                  | ± 2048       | ABOVE 0°C      | DEG C  |
| C HYD RSVR TEMP    | A    | 050   | BNR    | 5               | 00                                  | ± 2048       | ABOVE 0°C      | DEG C  |
| L HYD RSVR TEMP    | A    | 050   | BNR    | 5               | 11                                  | ± 2048       | ABOVE 0°C      | DEG C  |
| MACH               | A    | 051   | BNR    | 5               | 11                                  | 4.096        | ALWAYS POS     | MACH   |
| R ELEC PUMP TEMP   | A    | 051   | BNR    | 5               | 00                                  | ± 2048       | ABOVE 0°C      | DEG C  |
| R ENG PUMP TEMP    | A    | 051   | BNR    | 5               | 01                                  | ± 2048       | ABOVE 0°C      | DEG C  |
| R HYD RSVR TEMP    | A    | 051   | BNR    | 5               | 10                                  | ± 2048       | ABOVE 0°C      | DEG C  |
| GROSS WEIGHT       | A    | 052   | BNR    | 1               | 00                                  | 1310720      | ALWAYS POS     | LBS    |
| IDG TEMP RISE-L    | A    | 052   | BNR    | 5               | 01                                  | ± 2048       | ALWAYS POS     | DEG C  |
| IDG TEMP RISE-R    | A    | 052   | BNR    | 5               | 10                                  | ± 2048       | ALWAYS POS     | DEG C  |
| MID DUCT TEMP      | A    | 055   | BNR    | 5               | 11                                  | ± 2048       | ABOVE 0°C      | DEG C  |
| MID TRIM VALVE     | A    | 056   | BNR    | 5               | 00                                  | 128          | ALWAYS POS     | % OPEN |
| BUS ACTIVITY WORD  | A    | 056   | DIS    | 1               | 01 (SEE DISC OCTAL LABEL BIT CHART) |              |                |        |

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| OCTAL LABELS CHART |      |       |        |                 |                                     |              |                |        |
| SIGNAL             | TYPE | LABEL | FORMAT | MIN UPDATE RATE | SDI                                 | BINARY RANGE | POSITIVE SENSE | UNITS  |
| HYD GEN AC VOTS    | A    | 057   | BNR    | 5               | 10                                  | 256          | ALWAYS POS     | VAC    |
| HYD GEN AC FREQ    | A    | 057   | BNR    | 2               | 11                                  | 512          | ALWAYS POS     | HZ     |
| HYD GEN DC VOLTS   | A    | 060   | BNR    | 5               | 00                                  | 50           | ALWAYS POS     | VDC    |
| DISC WORD #36      | A    | 060   | DIS    | 20              | 01 (SEE DISC OCTAL LABEL BIT CHART) |              |                |        |
| WRAPAROUND WORD    | A    | 277   | TBS    | TBS             | 00                                  | N/A          |                | N/A    |
| WRAPAROUND WORD    | B    | 277   | TBS    | TBS             | 00                                  | N/A          |                | N/A    |
| WRAPAROUND WORD    | C    | 277   | TBS    | TBS             | 00                                  | N/A          |                | N/A    |
| L EPR ACTUAL - TMC | B    | 300   | BNR    | 20              | 00                                  | 4.0          | ALWAYS POS     | RATIO  |
| R EPR ACTUAL - TMC | B    | 301   | BNR    | 20              | 00                                  | 4.0          | ALWAYS POS     | RATIO  |
| L N3 ACTUAL - TMC  | B    | 302   | BNR    | 20              | 00                                  | 256          | ALWAYS POS     | % RPM  |
| R N3 ACTUAL - TMC  | B    | 303   | BNR    | 20              | 00                                  | 256          | ALWAYS POS     | % RPM  |
| L N1 ACTUAL - TMC  | B    | 304   | BNR    | 20              | 00                                  | 256          | ALWAYS POS     | % RPM  |
| R N1 ACTUAL - TMC  | B    | 305   | BNR    | 20              | 00                                  | 256          | ALWAYS POS     | % RPM  |
| L FUEL FLOW - TMC  | B    | 306   | BNR    | 10              | 00                                  | 32768        | ALWAYS POS     | % RPM  |
| R FUEL FLOW - TMC  | B    | 307   | BNR    | 10              | 00                                  | 32768        | ALWAYS POS     | % RPM  |
| ENG FUEL FLOW-L    | B    | 347   | BNR    | 10              | 10                                  | 32768        | ALWAYS POS     | LBS/HR |
| ENG FUEL FLOW-R    | B    | 347   | BNR    | 10              | 01                                  | 32768        | ALWAYS POS     | LBS/HR |
| INTRA SYSTEM DATA  | D    | N/A   | N/A    | N/A             | 00                                  | N/A          |                | N/A    |

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| DISCRETE OCTAL LABELS/BIT CHART |             |     |           |            |     |
| SIGNAL                          | OCTAL LABEL | BIT | ONE-STATE | ZERO-STATE | SDI |
| FLT DECK TEMP                   | 007         | 11  | RECORD    | NORMAL     | 01  |
| L HYD SYS PRESS                 | 007         | 11  | RECORD    | NORMAL     | 10  |
| L ENG N1 YELLOW                 | 007         | 11  | RECORD    | NORMAL     | 11  |
| FWD CABIN TEMP                  | 007         | 12  | RECORD    | NORMAL     | 01  |
| C HYD SYS PRESS                 | 007         | 12  | RECORD    | NORMAL     | 10  |
| R ENG N1 YELLOW                 | 007         | 12  | RECORD    | NORMAL     | 11  |
| AFT CABIN TEMP                  | 007         | 13  | RECORD    | NORMAL     | 01  |
| R HYD SYS PRESS                 | 007         | 13  | RECORD    | NORMAL     | 10  |
| L ENG N2 YELLOW                 | 007         | 13  | RECORD    | NORMAL     | 11  |
| L PACK TEMP                     | 007         | 14  | RECORD    | NORMAL     | 01  |
| L HYD QTY                       | 007         | 14  | RECORD    | NORMAL     | 10  |
| R ENG N2 YELLOW                 | 007         | 14  | RECORD    | NORMAL     | 11  |
| R PACK TEMP                     | 007         | 15  | RECORD    | NORMAL     | 01  |
| C HYD QTY                       | 007         | 15  | RECORD    | NORMAL     | 10  |
| L ENG N3 YELLOW                 | 007         | 15  | RECORD    | NORMAL     | 11  |
| MID CABIN TEMP                  | 007         | 16  | RECORD    | NORMAL     | 01  |
| R HYD QTY                       | 007         | 16  | RECORD    | NORMAL     | 10  |
| R ENG N3 YELLOW                 | 007         | 16  | RECORD    | NORMAL     | 11  |
| R FAN AIR VALVE                 | 007         | 17  | RECORD    | NORMAL     | 01  |
| L ELEC HYD OVHT                 | 007         | 17  | RECORD    | NORMAL     | 10  |
| L ENG EGT YELLOW                | 007         | 17  | RECORD    | NORMAL     | 11  |
| L DEM HYD OVHT                  | 007         | 18  | RECORD    | NORMAL     | 10  |

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| DISCRETE OCTAL LABELS/BIT CHART |             |     |           |            |     |
| SIGNAL                          | OCTAL LABEL | BIT | ONE-STATE | ZERO-STATE | SDI |
| R ENG EGT YELLOW                | 007         | 18  | RECORD    | NORMAL     | 11  |
| R ELEC HYD OVHT                 | 007         | 19  | RECORD    | NORMAL     | 10  |
| L ENG AVM YEL/WHT               | 007         | 19  | RECORD    | NORMAL     | 11  |
| R DEM HYD OVHT                  | 007         | 20  | RECORD    | NORMAL     | 10  |
| R ENG AVM YEL/WHT               | 007         | 20  | RECORD    | NORMAL     | 11  |
| L GEN DRIVE                     | 007         | 21  | RECORD    | NORMAL     | 01  |
| C HYD1 OVHT                     | 007         | 21  | RECORD    | NORMAL     | 10  |
| L ENG OIL QTY WHT               | 007         | 21  | RECORD    | NORMAL     | 11  |
| R GEN DRIVE                     | 007         | 22  | RECORD    | NORMAL     | 01  |
| C HYD2 OVHT                     | 007         | 22  | RECORD    | NORMAL     | 10  |
| R ENG OIL QTY WHT               | 007         | 22  | RECORD    | NORMAL     | 11  |
| L IDG OIL TEMP                  | 007         | 23  | RECORD    | NORMAL     | 01  |
| L ENG HYD OVHT                  | 007         | 23  | RECORD    | NORMAL     | 10  |
| L ENG OIL PRES YEL              | 007         | 23  | RECORD    | NORMAL     | 11  |
| R IDG OIL TEMP                  | 007         | 24  | RECORD    | NORMAL     | 01  |
| L PRIM HYD OVHT                 | 007         | 24  | RECORD    | NORMAL     | 10  |
| R ENG OIL PRES YEL              | 007         | 24  | RECORD    | NORMAL     | 11  |
| IDG RISE TEMP                   | 007         | 25  | RECORD    | NORMAL     | 01  |
| R ENG HYD OVHT                  | 007         | 25  | RECORD    | NORMAL     | 10  |
| L ENG OIL TEMP YEL              | 007         | 25  | RECORD    | NORMAL     | 11  |
| L IDG OIL TEMP                  | 007         | 26  | RECORD    | NORMAL     | 01  |
| R PRIM HYD OVHT                 | 007         | 26  | RECORD    | NORMAL     | 10  |

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| DISCRETE OCTAL LABELS/BIT CHART |             |     |            |             |     |
| SIGNAL                          | OCTAL LABEL | BIT | ONE-STATE  | ZERO-STATE  | SDI |
| R ENG OIL TEMP YEL              | 007         | 26  | RECORD     | NORMAL      | 11  |
| R IDG OIL TEMP                  | 007         | 27  | RECORD     | NORMAL      | 01  |
| C DEM HYD OVHT                  | 007         | 27  | RECORD     | NORMAL      | 10  |
| IDG RISE TEMP                   | 007         | 28  | RECORD     | NORMAL      | 01  |
| R TURB OVHT LOOP 2              | 010         | 13  | FAULT      | OK          | 00  |
| R HYD WING VALVE                | 010         | 13  | CLOSED     | OPEN        | 01  |
| R ENG TAI ON                    | 010         | 13  | TAI OFF    | TAI ON      | 10  |
| PROGRAM PIN #27                 | 010         | 14  | SELECTED   | NOT SEL     | 00  |
| R BLEED ISOL VALVE              | 010         | 14  | DISAGREE   | NORMAL      | 10  |
| C-L FUEL PUMP PR                | 010         | 14  | LO PRESS   | HI PRESS    | 11  |
| L T/R IN TRANSIT                | 010         | 15  | IN TRANSIT | LOCK/DEPLOY | 00  |
| PROGRAM PIN #23                 | 010         | 15  | SELECTED   | NOT SEL     | 01  |
| R T/R IN TRANSIT                | 010         | 15  | IN TRANSIT | LOCK/DEPLOY | 10  |
| L STRUT LOOP 2                  | 010         | 15  | FAULT      | OK          | 11  |
| PROGRAM PIN #08                 | 010         | 16  | SELECTED   | NOT SEL     | 00  |
| L ENGINE FIRE                   | 010         | 16  | FIRE       | NORMAL      | 01  |
| AFT CARGO DET 2                 | 010         | 16  | FAULT      | OK          | 10  |
| L DRAG BRACE SYS 1              | 010         | 16  | DOWN&LOCK  | UP          | 11  |
| STBY BUS OFF                    | 010         | 17  | BUS OFF    | BUS ON      | 00  |
| APU BTL DISCH                   | 010         | 17  | LO PRESS   | NORMAL      | 01  |
| FWD EQUIP SUP FAN 2             | 010         | 17  | FAULT      | OK          | 10  |

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| EICAS                           |             |     |            |            |     |
|---------------------------------|-------------|-----|------------|------------|-----|
| DISCRETE OCTAL LABELS/BIT CHART |             |     |            |            |     |
| SIGNAL                          | OCTAL LABEL | BIT | ONE-STATE  | ZERO-STATE | SDI |
| AFT EQPT EXH FAN 2              | 010         | 17  | FAULT      | OK         | 11  |
| R FWD EMERG DOOR                | 010         | 18  | OPEN       | CLOSED     | 00  |
| GEAR DISAGREE SYS#1             | 010         | 18  | DISAGREE   | NORMAL     | 01  |
| L GEN GCB OPEN                  | 010         | 18  | GEN OFF    | GEN ON     | 10  |
| DFOAU STATUS                    | 010         | 18  | OK         | FAULT      | 11  |
| PROGRAM PIN #19                 | 010         | 19  | SELECTED   | NOT SEL    | 00  |
| L AC BUS TIE ISOL               | 010         | 19  | ISOL       | NOT ISOL   | 01  |
| C HYD SYS LO PRESS              | 010         | 19  | LO PRESS   | NORMAL     | 10  |
| R AC BUS OFF                    | 010         | 19  | BUS OFF    | BUS ON     | 11  |
| L FWD WINDOW HEAT               | 010         | 20  | FAULT      | OK         | 00  |
| L MAIN PITOT HEAT               | 010         | 20  | FAULT      | OK         | 01  |
| CAPT INST BUS XFER              | 010         | 20  | NORMAL     | BUS XFER   | 10  |
| RUDD RATIO MODULE               | 010         | 20  | FAULT      | OK         | 11  |
| MID CABIN AIR OVHT              | 010         | 21  | OVHT       | NORMAL     | 00  |
| SPARE DISC 1-05                 | 010         | 21  | GND        | OPEN       | 01  |
| DC BUS TIE                      | 010         | 21  | BUS TIE    | NORMAL     | 10  |
| ANTISKID/AUTOBRAKE              | 010         | 21  | FAULT      | OK         | 11  |
| LOW FUEL QTY                    | 010         | 22  | LOW QTY    | NORMAL     | 00  |
| HYD BRAKE SOURCE                | 010         | 22  | ACCUMULATR | NORMAL     | 01  |
| HYD GEN VALVE                   | 010         | 22  | OK         | FAULT      | 10  |
| ATC FAULT                       | 010         | 22  | FAULT      | OK         | 11  |

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|---------------------------------|-------------|-----|-----------|------------|-----|
| DISCRETE OCTAL LABELS/BIT CHART |             |     |           |            |     |
| SIGNAL                          | OCTAL LABEL | BIT | ONE-STATE | ZERO-STATE | SDI |
| L ENG OUT RELY 757              | 010         | 23  | NOT RUN   | ENG RUN    | 00  |
| PROGRAM PIN #14                 | 010         | 23  | SELECTED  | NOT SEL    | 01  |
| RSV BRAKE VALVE                 | 010         | 23  | DISAGREE  | NORMAL     | 10  |
| FWD CARGO OVHT                  | 010         | 23  | OVHT      | NORMAL     | 11  |
| GPWC MONITOR                    | 010         | 24  | FAULT     | OK         | 00  |
| AFT CARGO HEATER                | 010         | 24  | ON        | OFF        | 01  |
| ANTI-SKID                       | 010         | 24  | FAULT     | OK         | 10  |
| C HYD PUMP #2 OH                | 010         | 25  | OVHT      | NORMAL     | 00  |
| L ENG FUEL FILTER               | 010         | 25  | BYPASS    | NORMAL     | 01  |
| AUTO SPEEDBRAKE                 | 010         | 25  | FAULT     | OK         | 10  |
| SPOILER MODULE                  | 010         | 25  | FAULT     | OK         | 11  |
| L HYD ELEC PUMP PR              | 010         | 26  | LO PRESS  | NORMAL     | 00  |
| L ENG BVCU FAULT                | 010         | 26  | FAULT     | OK         | 01  |
| AFT CARGO FAN                   | 010         | 26  | FAULT     | OK         | 10  |
| N GEAR LOCK SYS #2              | 010         | 26  | LOCKED    | UNLOCKED   | 11  |
| FWD CARGO DET 1                 | 010         | 27  | FAULT     | OK         | 00  |
| R YAW DAMPER                    | 010         | 27  | FAULT     | OK         | 01  |
| L IRS DC FAIL                   | 010         | 27  | NORMAL    | DC FAIL    | 10  |
| FWD EQPT SPLY FLOW              | 010         | 27  | LOW FLOW  | NORMAL     | 11  |
| PROGRAM PIN #32                 | 010         | 28  | SELECTED  | NOT SEL    | 01  |

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| EICAS                           |             |     |            |            |     |
|---------------------------------|-------------|-----|------------|------------|-----|
| DISCRETE OCTAL LABELS/BIT CHART |             |     |            |            |     |
| SIGNAL                          | OCTAL LABEL | BIT | ONE-STATE  | ZERO-STATE | SDI |
| R ECS PACK BITE                 | 010         | 28  | FAULT      | OK         | 10  |
| L ENG T/R SRC VAL               | 010         | 28  | DISAGREE   | NORMAL     | 11  |
| PROGRAM PIN #29                 | 011         | 13  | SELECTED   | NOT SEL    | 00  |
| SPARE DISC 2-02                 | 011         | 13  | OPEN       | VOLTAGE    | 01  |
| L FIRE EXT SWITCH               | 011         | 13  | PULLED     | NORMAL     | 10  |
| C IRS ON DC                     | 011         | 13  | NORMAL     | ON DC      | 11  |
| L REV ISOL VALVE                | 011         | 14  | DISAGREE   | NORMAL     | 00  |
| FWD EQUIP SMOKE                 | 011         | 14  | SMOKE      | NORMAL     | 10  |
| AFT EQU SPLY FAN 2              | 011         | 14  | FAULT      | OK         | 11  |
| R GEAR DOWN SYS #2              | 011         | 15  | DOWN&LOCK  | UP         | 00  |
| R HYD SYS LO PRESS              | 011         | 15  | LO PRESS   | NORMAL     | 01  |
| OVERSPEED-L ADC                 | 011         | 15  | OVERSPEED  | NORMAL     | 10  |
| L STARTER CUTOUT                | 011         | 15  | FAULT      | OK         | 11  |
| APU FAULT                       | 011         | 16  | FAULT      | OK         | 00  |
| R STARTER CUTOUT                | 011         | 16  | NO CUTOUT  | NORMAL     | 01  |
| C HYD ELEV VALVE                | 011         | 16  | CLOSED     | OPEN       | 10  |
| C-R FUEL PUMP LT                | 011         | 16  | LIGHT ON   | LIGHT OFF  | 11  |
| SPOILER SYSTEM                  | 011         | 17  | FAULT      | OK         | 00  |
| PACK HI-FLOW                    | 011         | 17  | HI-FLOW    | NORMAL     | 01  |
| TE FLAP ASYM                    | 011         | 17  | FLAPS ASYM | NORMAL     | 10  |
| L RECIRC FAN                    | 011         | 17  | FAULT      | OK         | 11  |
| FLT DECK AIR OVHT               | 011         | 18  | OVHT       | NORMAL     | 00  |

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| EICAS                           |             |     |            |            |     |
|---------------------------------|-------------|-----|------------|------------|-----|
| DISCRETE OCTAL LABELS/BIT CHART |             |     |            |            |     |
| SIGNAL                          | OCTAL LABEL | BIT | ONE-STATE  | ZERO-STATE | SDI |
| L SPAR FUEL VALVE               | 011         | 18  | DISAGREE   | NORMAL     | 01  |
| FWD EQPT CLG FILTER             | 011         | 18  | BLOCKED    | OK         | 10  |
| L ECS PACK OVHT                 | 011         | 19  | OVHT       | NORMAL     | 00  |
| L ECS PACK OFF                  | 011         | 19  | OFF        | ON         | 10  |
| T/O CONFIG FLAPS                | 011         | 19  | WARNING    | NORMAL     | 01  |
| GEAR DOORS SYS 1                | 011         | 20  | OPEN       | CLOSED     | 10  |
| MASTER CAUT/WARN                | 011         | 20  | RESET      | NORMAL     | 00  |
| L WING SLIDE DOOR               | 011         | 20  | OPEN       | CLOSED     | 01  |
| PASS OXYGEN ON                  | 011         | 20  | ON         | OFF        | 11  |
| L HYD RSVR PRESS 55             | 011         | 21  | LO PRESS   | NORMAL     | 01  |
| AUTOTHROTTLE DISC               | 011         | 21  | DISCONNECT | NORMAL     | 10  |
| MAIN BAT DISCH                  | 011         | 21  | DISCHARGE  | NORMAL     | 11  |
| L SIDE BRACE SYS 2              | 011         | 22  | DOWN&LOCK  | UP         | 10  |
| L HYD PRI PUMP OH               | 011         | 21  | OVHT       | NORMAL     | 00  |
| L ENG TAI PRESS                 | 011         | 22  | HI PRESS   | NORMAL     | 00  |
| OVERSPEED-R ADC                 | 011         | 22  | OVERSPEED  | NORMAL     | 01  |
| R WING TAI PRESS                | 011         | 22  | HI PRESS   | NORMAL     | 11  |
| L IDG FILTER                    | 011         | 23  | BYPASS     | NORMAL     | 00  |
| CABIN AUTOPRESS 1               | 011         | 23  | FAULT      | OK         | 01  |
| FLT DECK DOOR                   | 011         | 23  | UNLOCKED   | LOCKED     | 10  |
| L CTR ENTRY DOOR                | 011         | 23  | OPEN       | CLOSED     | 11  |

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| EICAS                           |             |     |           |            |     |
|---------------------------------|-------------|-----|-----------|------------|-----|
| DISCRETE OCTAL LABELS/BIT CHART |             |     |           |            |     |
| SIGNAL                          | OCTAL LABEL | BIT | ONE-STATE | ZERO-STATE | SDI |
| AFT CARGO DOOR #1               | 011         | 24  | OPEN      | CLOSED     | 11  |
| FLT RECORDER                    | 011         | 24  | FAULT     | OK         | 01  |
| R AUX PITOT HEAT                | 011         | 24  | FAULT     | OK         | 00  |
| R CTR ENTRY DOOR                | 011         | 24  | OPEN      | CLOSED     | 10  |
| CARGO BTL 1 DISCH               | 011         | 25  | LO PRESS  | NORMAL     | 11  |
| ENG BTL 1 DISCH                 | 011         | 25  | LO PRESS  | NORMAL     | 01  |
| PROGRAM PIN #21                 | 011         | 25  | SELECTED  | NOT SEL    | 10  |
| R HYD ELEV VALVE                | 011         | 25  | CLOSED    | OPEN       | 00  |
| R ENGINE FIRE                   | 011         | 26  | FIRE      | NORMAL     | 00  |
| R FIRE EXT SWITCH               | 011         | 26  | PULLED    | NORMAL     | 11  |
| R STRUT LOOP 1                  | 011         | 26  | FAULT     | OK         | 01  |
| L STRUT LOOP 1                  | 011         | 27  | FAULT     | OK         | 01  |
| AFT CARGO OVHT                  | 011         | 27  | OVHT      | NORMAL     | 11  |
| C-L FUEL PUMP LT                | 011         | 27  | LIGHT ON  | LIGHT OFF  | 00  |
| L T/R DEPLOYED                  | 011         | 28  | DEPLOYED  | STWD/TRANS | 00  |
| L HYD ELEV VALVE                | 011         | 28  | CLOSED    | OPEN       | 01  |
| SPARE DISC 2-01                 | 011         | 28  | OPEN      | VOLTAGE    | 11  |
| HYD GENERATOR                   | 011         | 28  | UNPOWERED | POWERED    | 10  |

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| EICAS                           |             |     |           |            |     |
|---------------------------------|-------------|-----|-----------|------------|-----|
| DISCRETE OCTAL LABELS/BIT CHART |             |     |           |            |     |
| SIGNAL                          | OCTAL LABEL | BIT | ONE-STATE | ZERO-STATE | SDI |
| TCAS FAIL                       | 012         | 13  | OK        | FAIL       | 10  |
| PROGRAM PIN #04                 | 012         | 13  | SELECTED  | NOT SEL    | 01  |
| R ENG FUEL PUMP                 | 012         | 13  | LO PRESS  | NORMAL     | 11  |
| ANTI-SKID SWITCH                | 012         | 14  | OFF       | ON         | 10  |
| PROGRAM PIN #01                 | 012         | 14  | SELECTED  | NOT SEL    | 01  |
| R EEC(LIMITER)                  | 012         | 14  | FAULT     | OK         | 00  |
| HI FLOW INHIBIT                 | 012         | 15  | INHIBIT   | NORMAL     | 10  |
| POWER XFER UNIT                 | 012         | 15  | FAULT     | OK         | 01  |
| R IRS DC FAIL                   | 012         | 15  | NORMAL    | DC FAIL    | 00  |
| L HYD ELEC PUMP OH              | 012         | 15  | OVHT      | NORMAL     | 11  |
| APU BAT CHARGER (CAA)           | 012         | 16  | OK        | FAULT      | 00  |
| PROGRAM PIN #07                 | 012         | 16  | SELECTED  | NOT SEL    | 10  |
| L BLEED DUCT LEAK               | 012         | 16  | OVHT      | NORMAL     | 11  |
| C HYD SYS LO QTY                | 012         | 17  | LO QTY    | NORMAL     | 00  |
| L AUX PITOT HI HT               | 012         | 17  | HI HEAT   | NORMAL     | 01  |
| N GEAR LOCK SYS #1              | 012         | 17  | LOCKED    | UNLOCKED   | 11  |
| ZONETEMP CONT UNIT              | 012         | 17  | FAULT     | OK         | 10  |

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| EICAS                           |             |     |           |            |     |
|---------------------------------|-------------|-----|-----------|------------|-----|
| DISCRETE OCTAL LABELS/BIT CHART |             |     |           |            |     |
| SIGNAL                          | OCTAL LABEL | BIT | ONE-STATE | ZERO-STATE | SDI |
| L AOA PROBE HEAT                | 012         | 18  | FAULT     | OK         | 00  |
| L ENG HI STAGE                  | 012         | 18  | FAULT     | OK         | 01  |
| APU GEN APB OPEN                | 012         | 18  | OPEN + ON | NORMAL     | 10  |
| WHEEL WELL FIRE                 | 012         | 18  | FIRE      | NORMAL     | 11  |
| AFT CARGO DOOR #2               | 012         | 19  | OPEN      | CLOSED     | 00  |
| R ENG BLEED OFF                 | 012         | 19  | OFF       | ON         | 01  |
| R UTIL BUS OFF                  | 012         | 19  | BUS OFF   | BUS ON     | 11  |
| C DUCT LK LP 2                  | 012         | 20  | FAULT     | OK         | 01  |
| NOSE COMPR SYS #2               | 012         | 20  | ON GROUND | IN AIR     | 00  |
| L SIDE WINDOW HEAT              | 012         | 20  | FAULT     | OK         | 10  |
| R FWD WINDOW HEAT               | 012         | 20  | FAULT     | OK         | 11  |
| AFT CARGO DET FAN               | 012         | 21  | FAULT     | OK         | 11  |
| C DUCT LK LP 2                  | 012         | 21  | FAULT     | OK         | 00  |
| DUCT LEAK SYS                   | 012         | 21  | FAULT     | OK         | 00  |
| ICE DETECTOR LT                 | 012         | 21  | LIGHT ON  | LIGHT OFF  | 01  |

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| EICAS                           |             |     |           |            |     |
|---------------------------------|-------------|-----|-----------|------------|-----|
| DISCRETE OCTAL LABELS/BIT CHART |             |     |           |            |     |
| SIGNAL                          | OCTAL LABEL | BIT | ONE-STATE | ZERO-STATE | SDI |
| ALL GEAR DOWN&LOCK              | 012         | 22  | DOWN&LOCK | NOT DOWN   | 10  |
| STAB TRIM MODULE                | 012         | 22  | FAULT     | OK         | 11  |
| ANTI-SKID NORMAL                | 012         | 22  | FAULT     | OK         | 00  |
| FUEL QTY IND SYS                | 012         | 22  | FAULT     | OK         | 01  |
| APU DC FUEL PMP ON              | 012         | 23  | HI PRESS  | LO PRESS   | 10  |
| ELECT ACCESS DOOR               | 012         | 23  | OPEN      | CLOSED     | 00  |
| PROGRAM PIN #13                 | 012         | 23  | SELECTED  | NOT SEL    | 11  |
| PROGRAM PIN #17                 | 012         | 23  | SELECTED  | NOT SEL    | 01  |
| APU FIRE LOOP 2                 | 012         | 24  | FAULT     | OK         | 00  |
| EMERGENCY LIGHTS                | 012         | 24  | UNARMED   | ARMED      | 10  |
| FWD CARGO HEATER                | 012         | 24  | ON        | OFF        | 11  |
| C HYD AIR PUMP PR               | 012         | 25  | LO PRESS  | NORMAL     | 10  |
| LDG GEAR LEVER                  | 012         | 25  | UP/OFF    | DOWN       | 11  |
| PROGRAM PIN #25                 | 012         | 25  | SELECTED  | NOT SEL    | 01  |

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|---------------------------------|-------------|-----|-----------|------------|-----|
| DISCRETE OCTAL LABELS/BIT CHART |             |     |           |            |     |
| SIGNAL                          | OCTAL LABEL | BIT | ONE-STATE | ZERO-STATE | SDI |
| SPARE DISC 2-03                 | 012         | 25  | OPEN      | VOLTAGE    | 00  |
| L GEAR DOWN SYS #1              | 012         | 26  | DOWN&LOCK | UP         | 00  |
| R ENG FUEL FILTER               | 012         | 26  | BYPASS    | NORMAL     | 01  |
| L HYD ENG PUMP PR               | 012         | 26  | LO PRESS  | NORMAL     | 10  |
| C HYD TAIL VALVE                | 012         | 26  | CLOSED    | OPEN       | 11  |
| L HYD RSVR PRESS < 17           | 012         | 27  | LO PRESS  | NORMAL     | 10  |
| L YAW DAMPER                    | 012         | 27  | FAULT     | OK         | 11  |
| AFT CARGO DET 1                 | 012         | 27  | FAULT     | OK         | 00  |
| R ELEV HIGH PRESS               | 012         | 27  | HI PRESS  | NORMAL     | 01  |
| APU BTL 2 DISCH                 | 012         | 28  | LO PRESS  | NORMAL     | 00  |
| C ELEV HIGH PRESS               | 012         | 28  | HI PRESS  | NORMAL     | 01  |
| PROGRAM PIN #31                 | 012         | 28  | SELECTED  | NOT SEL    | 11  |
| C HYD WING VALVE                | 013         | 13  | CLOSED    | OPEN       | 11  |
| R DUCT LK LP 2                  | 013         | 13  | FAULT     | OK         | 10  |
| L BLEED ISOL VALVE              | 013         | 14  | DISAGREE  | NORMAL     | 00  |
| L ENGINE OVHT                   | 013         | 14  | OVHT      | NORMAL     | 01  |
| PROGRAM PIN #28                 | 013         | 14  | SELECTED  | NOT SEL    | 10  |
| FWD CARGO DET 2                 | 013         | 15  | FAULT     | OK         | 01  |

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|---------------------------------|-------------|-----|------------|------------|-----|
| DISCRETE OCTAL LABELS/BIT CHART |             |     |            |            |     |
| SIGNAL                          | OCTAL LABEL | BIT | ONE-STATE  | ZERO-STATE | SDI |
| PROGRAM PIN #06                 | 013         | 15  | SELECTED   | NOT SEL    | 10  |
| PROGRAM PIN #24                 | 013         | 15  | SELECTED   | NOT SEL    | 11  |
| R T/R DEPLOYED                  | 013         | 15  | DEPLOYED   | STWD/TRANS | 00  |
| L ENG FIRE LOOP 2               | 013         | 16  | FAULT      | OK         | 00  |
| PROGRAM PIN #09                 | 013         | 16  | SELECTED   | NOT SEL    | 10  |
| PROGRAM PIN #10                 | 013         | 16  | SELECTED   | NOT SEL    | 01  |
| RUDDER PCU                      | 013         | 16  | OK         | FAULT      | 11  |
| AFT EQPT EXH FAN 1              | 013         | 17  | FAULT      | OK         | 01  |
| MAIN BATT SWITCH                | 013         | 17  | OFF        | ON         | 10  |
| NO EQUIP COOLING                | 013         | 17  | NO COOLING | NORMAL     | 11  |
| FWD EQ EXH VALVE                | 013         | 17  | OPEN       | CLOSED     | 11  |
| C BLEED DUCT LEAK               | 013         | 18  | OVHT       | NORMAL     | 11  |
| R GEN DRIVE OIL                 | 013         | 18  | LO PRESS   | NORMAL     | 00  |
| T/O CONFIG-PARK BK              | 013         | 18  | WARNING    | NORMAL     | 01  |

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| DISCRETE OCTAL LABELS/BIT CHART |             |     |           |            |     |
| SIGNAL                          | OCTAL LABEL | BIT | ONE-STATE | ZERO-STATE | SDI |
| L AFT EMERG DOOR                | 013         | 18  | OPEN      | CLOSE      | 10  |
| C HYD PUMP #2 PR                | 013         | 19  | LO PRESS  | NORMAL     | 00  |
| L AC BUS OFF                    | 013         | 19  | BUS OFF   | BUS ON     | 01  |
| PROGRAM PIN #20                 | 013         | 19  | SELECTED  | NOT SEL    | 10  |
| R AC BUS TIE ISOL               | 013         | 19  | ISOL      | NOT ISOL   | 11  |
| L AUX PITOT HEAT                | 013         | 20  | FAULT     | OK         | 11  |
| R AUX PITOT HI HT               | 013         | 20  | HI HEAT   | NORMAL     | 01  |
| R HYD SYS HI QTY                | 013         | 20  | HI QTY    | NORMAL     | 00  |
| R SIDE WINDOW HEAT              | 013         | 20  | FAULT     | OK         | 10  |
| ICE DETECTOR INOP               | 013         | 21  | FAULT     | OK         | 10  |
| R CSEU FAULT                    | 013         | 21  | FAULT     | OK         | 00  |
| R ENG TAI VALVE                 | 013         | 21  | DISAGREE  | NORMAL     | 01  |
| L CSEU PSU MODULE               | 013         | 21  | FAULT     | OK         | 11  |
| AFT CABIN AIR OVHT              | 013         | 22  | OVHT      | NORMAL     | 11  |
| BRAKE TEMP LT                   | 013         | 22  | LIGHT ON  | LIGHT OFF  | 00  |

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|---------------------------------|-------------|-----|-----------|------------|-----|
| DISCRETE OCTAL LABELS/BIT CHART |             |     |           |            |     |
| SIGNAL                          | OCTAL LABEL | BIT | ONE-STATE | ZERO-STATE | SDI |
| R AFT EMERG DOOR                | 013         | 22  | OPEN      | CLOSED     | 10  |
| R FMC FAIL                      | 013         | 22  | OK        | FAULT      | 01  |
| A/P WARN-2 NORM                 | 013         | 23  | A/P DISC  | NORMAL     | 01  |
| C HYD AIR PUMP OH               | 013         | 23  | OVHT      | NORMAL     | 00  |
| PROGRAM PIN #15                 | 013         | 23  | SELECTED  | NOT SEL    | 11  |
| R ENG RLY 757                   | 013         | 23  | FAULT     | OK         | 10  |
| C HYD RSVR PRES<17              | 013         | 24  | LO PRESS  | NORMAL     | 00  |
| L FMC FAIL                      | 013         | 24  | OK        | FAULT      | 10  |
| BULK CARGO HEATER               | 013         | 24  | ON        | OFF        | 11  |
| R AOA PROBE HEAT                | 013         | 24  | FAULT     | OK         | 01  |
| PARKING BRAKE ON                | 013         | 25  | ON        | OFF        | 00  |
| SPARE DISC 1-11                 | 013         | 25  | GND       | OPEN       | 01  |
| R HYD ELEC PUMP OH              | 013         | 25  | OVHT      | NORMAL     | 10  |
| R ENG FUEL FILTER               | 013         | 25  | BYPASS    | NORMAL     | 11  |
| FWD CARGO FAN                   | 013         | 26  | FAULT     | OK         | 00  |

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| EICAS                           |             |     |           |            |     |
|---------------------------------|-------------|-----|-----------|------------|-----|
| DISCRETE OCTAL LABELS/BIT CHART |             |     |           |            |     |
| SIGNAL                          | OCTAL LABEL | BIT | ONE-STATE | ZERO-STATE | SDI |
| TE FLAP SHUTDOWN                | 013         | 26  | SHUTDOWN  | NORMAL     | 01  |
| C HYD PUMP #1 PR                | 013         | 26  | LO PRESS  | NORMAL     | 10  |
| L ELEV HIGH PRESS               | 013         | 26  | HI PRESS  | NORMAL     | 11  |
| L IRS ON DC                     | 013         | 27  | NORMAL    | ON DC      | 00  |
| FWD EQUIP EXH FLOW              | 013         | 27  | LOW FLOW  | NORMAL     | 01  |
| L TURB OVHT LOOP 1              | 013         | 27  | FAULT     | OK         | 10  |
| STAB TRIM FAULT                 | 013         | 27  | FAULT     | OK         | 11  |
| EQPT SMOKE DET 2                | 013         | 28  | SMOKE     | NORMAL     | 00  |
| L HYD WING VALVE                | 013         | 28  | CLOSED    | OPEN       | 01  |
| R SIDE BRACE SYS 2              | 013         | 28  | DOWN&LOCK | UP         | 11  |
| LDG GR LEVER SYS 2              | 013         | 23  | DOWN      | UP/OFF     | 11  |
| L ENG TAI ON                    | 014         | 13  | TAI OFF   | TAI ON     | 11  |
| PROGRAM PIN #30                 | 014         | 13  | SELECTED  | NOT SEL    | 10  |
| R S/DOWN PWR SAVER              | 014         | 13  | OK        | FAULT      | 00  |
| C BLEED ISOL VALVE              | 014         | 14  | DISAGREE  | NORMAL     | 00  |
| R ENG FIRE LOOP 2               | 014         | 14  | FAULT     | OK         | 01  |
| L ENG STARTER VAL               | 014         | 14  | DISAGREE  | NORMAL     | 10  |
| SPARE DISC 1-04                 | 014         | 14  | GND       | OPEN       | 11  |
| L TURB OVHT LOOP 2              | 014         | 15  | FAULT     | OK         | 01  |
| L ELEV PCU                      | 014         | 15  | OK        | FAULT      | 10  |
| N GEAR DOWN SYS #2              | 014         | 15  | DOWN&LOCK | UP         | 11  |

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|---------------------------------|-------------|-----|-----------|------------|-----|
| DISCRETE OCTAL LABELS/BIT CHART |             |     |           |            |     |
| SIGNAL                          | OCTAL LABEL | BIT | ONE-STATE | ZERO-STATE | SDI |
| R NACELLE LOOP 2                | 014         | 16  | FAULT     | OK         | 00  |
| L SIDE BRACE SYS 1              | 014         | 16  | DOWN&LOCK | UP         | 01  |
| SUPL PROG PIN 1                 | 014         | 16  | SELECTED  | NOT SEL    | 10  |
| APU BAT NO STBY                 | 014         | 16  | NO STBY   | NORMAL     | 11  |
| SUPL PROG PIN 6                 | 014         | 17  | SELECTED  | NOT SEL    | 00  |
| GEAR DISAGRE SYS#2              | 014         | 17  | DISAGREE  | NORMAL     | 01  |
| ELEVATOR FEEL SYS               | 014         | 17  | FAULT     | OK         | 10  |
| FWD EQPT OVHT                   | 014         | 17  | OVHT      | NORMAL     | 11  |
| FMC ANNUNCIATION                | 014         | 18  | ALERT     | NORMAL     | 01  |
| R GEN GCB OPEN                  | 014         | 18  | GEN OFF   | GEN ON     | 00  |
| R SPAR FUEL VALVE               | 014         | 18  | DISAGREE  | NORMAL     | 11  |
| TRIM AIR VALVE                  | 014         | 18  | CLOSED    | NORMAL     | 10  |
| R HYD ENG PUMP PR               | 014         | 19  | LO PRESS  | NORMAL     | 00  |
| L UTIL BUS OFF                  | 014         | 19  | BUS OFF   | BUS ON     | 01  |
| R ECS PACK OVHT                 | 014         | 19  | OVHT      | NORMAL     | 10  |

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|---------------------------------|-------------|-----|-----------|------------|-----|
| DISCRETE OCTAL LABELS/BIT CHART |             |     |           |            |     |
| SIGNAL                          | OCTAL LABEL | BIT | ONE-STATE | ZERO-STATE | SDI |
| T/O CONFIG SPOILER              | 014         | 19  | WARNING   | NORMAL     | 11  |
| F/O INST BUS XFER               | 014         | 20  | NORMAL    | BUS XFER   | 00  |
| IGN 1 ON STANDBY                | 014         | 20  | STBY      | NORMAL     | 10  |
| L ENG IGN ON STBY               | 014         | 20  | STBY      | NORMAL     | 10  |
| YAW DAMPER MODULE               | 014         | 20  | FAULT     | OK         | 01  |
| R WING SLIDE DOOR               | 014         | 20  | OPEN      | CLOSED     | 11  |
| R ELEV PCU                      | 014         | 21  | OK        | FAULT      | 00  |
| UNSCHED STAB MOVE               | 014         | 21  | UNSCHED   | NORMAL     | 01  |
| L WING TAI VALVE                | 014         | 21  | DISAGREE  | NORMAL     | 10  |
| C HYD RSVR PRES>55              | 014         | 21  | LO PRESS  | NORMAL     | 11  |
| SPARE DISC 1-01                 | 014         | 22  | GND       | OPEN       | 00  |
| L ENG FUEL VALVE                | 014         | 22  | DISAGREE  | NORMAL     | 01  |
| R ENG TAI PRESS                 | 014         | 22  | HI PRESS  | NORMAL     | 10  |
| GEAR DOORS SYS 2                | 014         | 22  | OPEN      | CLOSED     | 11  |

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| EICAS                           |             |     |           |            |     |
|---------------------------------|-------------|-----|-----------|------------|-----|
| DISCRETE OCTAL LABELS/BIT CHART |             |     |           |            |     |
| SIGNAL                          | OCTAL LABEL | BIT | ONE-STATE | ZERO-STATE | SDI |
| APU FUEL SHUTOFF                | 014         | 23  | DISAGREE  | NORMAL     | 00  |
| FWD EQUIP COOLING               | 014         | 23  | FAULT     | OK         | 01  |
| R IDG FILTER                    | 014         | 23  | BYPASS    | NORMAL     | 10  |
| CABIN AUTOPRESS 2               | 014         | 23  | FAULT     | OK         | 11  |
| INSTR SOURCE                    | 014         | 24  | C&F/O SRC | NORMAL     | 00  |
| L ENG TAI VALVE                 | 014         | 24  | DISAGREE  | NORMAL     | 01  |
| R TAT PROBE HEAT                | 014         | 24  | FAULT     | OK         | 10  |
| BULK CARGO FAN                  | 014         | 24  | FAULT     | OK         | 11  |
| AUTO BRAKES                     | 014         | 25  | FAULT     | OK         | 00  |
| L GEN DRIVE OIL                 | 014         | 25  | LO PRESS  | NORMAL     | 01  |
| L FWD FUEL PUMP                 | 014         | 25  | LO PRESS  | NORMAL     | 10  |
| C-R FUEL PUMP PR                | 014         | 25  | LO PRESS  | HI PRESS   | 11  |
| CABIN ALT >10KFT                | 014         | 26  | LO PRESS  | NORMAL     | 00  |
| LE SLAT SHUTDOWN                | 014         | 26  | SHUTDOWN  | NORMAL     | 01  |

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| EICAS                           |             |     |           |            |     |
|---------------------------------|-------------|-----|-----------|------------|-----|
| DISCRETE OCTAL LABELS/BIT CHART |             |     |           |            |     |
| SIGNAL                          | OCTAL LABEL | BIT | ONE-STATE | ZERO-STATE | SDI |
| A/P WARN-2 BAT                  | 014         | 26  | A/P DISC  | NORMAL     | 10  |
| R NACELLE LOOP 1                | 014         | 26  | FAULT     | OK         | 11  |
| L IRS FAULT                     | 014         | 27  | OK        | FAULT      | 00  |
| FWD EQUIP REFRIG                | 014         | 27  | FAULT     | OK         | 01  |
| R EEC(SUPERVISORY)              | 014         | 27  | FAULT     | OK         | 10  |
| L ENG FUEL PUMP                 | 014         | 28  | LO PRESS  | NORMAL     | 11  |
| R DRAG BRACE SYS 1              | 014         | 28  | DOWN&LOCK | UP         | 00  |
| R ENG T/R SRC VAL               | 014         | 28  | DISAGREE  | NORMAL     | 01  |
| L EEC (SUPERVISORY)             | 015         | 13  | FAULT     | OK         | 00  |
| C IRS DC FAIL                   | 015         | 13  | NORMAL    | DC FAIL    | 01  |
| PROGRAM PIN #05                 | 015         | 13  | SELECTED  | NOT SEL    | 11  |
| AFT EQU LOW FLOW                | 015         | 14  | LOW FLOW  | NORMAL     | 01  |
| APU FIRE                        | 015         | 14  | FIRE      | NORMAL     | 00  |
| PROGRAM PIN #02                 | 015         | 14  | SELECTED  | NOT SEL    | 11  |
| R REV ISOL VALVE                | 015         | 14  | DISAGREE  | NORMAL     | 10  |

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|---------------------------------|-------------|-----|-----------|------------|-----|
| DISCRETE OCTAL LABELS/BIT CHART |             |     |           |            |     |
| SIGNAL                          | OCTAL LABEL | BIT | ONE-STATE | ZERO-STATE | SDI |
| AFT EQUIP SMOKE                 | 015         | 15  | SMOKE     | NORMAL     | 01  |
| AIR GROUND SYS #1               | 015         | 15  | ON GROUND | IN AIR     | 00  |
| R IRS FAULT                     | 015         | 15  | OK        | FAULT      | 10  |
| L HYD TAIL VALVE                | 015         | 15  | CLOSED    | OPEN       | 11  |
| L AFT FUEL PUMP                 | 015         | 16  | LO PRESS  | NORMAL     | 00  |
| APU DOOR                        | 015         | 16  | DISAGREE  | NORMAL     | 10  |
| R FWD FUEL PUMP                 | 015         | 16  | LO PRESS  | NORMAL     | 01  |
| R HYD SYS LO QTY                | 015         | 17  | LO QTY    | NORMAL     | 10  |
| R MAIN PITOT HI HT              | 015         | 17  | HI HEAT   | NORMAL     | 11  |
| R RECIRC FAN                    | 015         | 17  | FAULT     | OK         | 01  |
| TE FLAPS DISAGREE               | 015         | 17  | DISAGREE  | NORMAL     | 00  |
| L FWD EMERG DOOR                | 015         | 18  | OPEN      | CLOSED     | 00  |
| L TAT PROBE HEAT                | 015         | 18  | FAULT     | OK         | 10  |
| R ENG HI STAGE                  | 015         | 18  | FAULT     | OK         | 11  |
| R ECS PACK OFF                  | 015         | 19  | OFF       | ON         | 00  |
| ALTN EICAS COMP                 | 015         | 19  | OK        | FAULT      | 10  |
| L ENG BLEED OVHT                | 015         | 19  | OVHT      | NORMAL     | 11  |
| APU BLEED VALVE                 | 015         | 20  | DISAGREE  | NORMAL     | 01  |
| IDG TEMP/RISE SW                | 015         | 20  | TEMP RISE | TEMP       | 10  |
| LDG CONFIG-GEAR                 | 015         | 20  | WARNING   | NORMAL     | 00  |
| L ECS PACK BITE                 | 015         | 20  | FAULT     | OK         | 11  |
| L ENG FUEL CUTOFF               | 015         | 21  | CUTOFF    | RICH/RUN   | 00  |

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| EICAS                           |             |     |           |            |     |
|---------------------------------|-------------|-----|-----------|------------|-----|
| DISCRETE OCTAL LABELS/BIT CHART |             |     |           |            |     |
| SIGNAL                          | OCTAL LABEL | BIT | ONE-STATE | ZERO-STATE | SDI |
| FLAP ISOL VALVE                 | 015         | 21  | FAULT     | OK         | 01  |
| AILERON LOCKOUT                 | 015         | 21  | LOCKOUT   | NORMAL     | 10  |
| ANTI-SKID ALTN                  | 015         | 21  | FAULT     | OK         | 11  |
| EQPT OVHT                       | 015         | 22  | OVHT      | NORMAL     | 00  |
| L DRAG BRACE SYS 2              | 015         | 22  | DOWN&LOCK | UP         | 10  |
| FUEL XFEED VALVE                | 015         | 22  | DISAGREE  | NORMAL     | 11  |
| L FWD ENTRY DOOR                | 015         | 23  | OPEN      | CLOSED     | 00  |
| L AFT ENTRY DOOR                | 015         | 23  | OPEN      | CLOSED     | 01  |
| FWD CARGO DOOR                  | 015         | 23  | OPEN      | CLOSED     | 10  |
| PROGRAM PIN #18                 | 015         | 23  | SELECTED  | NOT SEL    | 11  |
| R AFT ENTRY DOOR                | 015         | 24  | OPEN      | CLOSED     | 00  |
| R FWD ENTRY DOOR                | 015         | 24  | OPEN      | CLOSED     | 01  |
| CARGO AIRFLOW                   | 015         | 24  | LOW FLOW  | NORMAL     | 10  |
| PROGRAM PIN #22                 | 015         | 25  | SELECTED  | NOT SEL    | 00  |
| FWD CARGO FIRE                  | 015         | 25  | FIRE      | NORMAL     | 01  |

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| EICAS                           |             |     |           |            |     |
|---------------------------------|-------------|-----|-----------|------------|-----|
| DISCRETE OCTAL LABELS/BIT CHART |             |     |           |            |     |
| SIGNAL                          | OCTAL LABEL | BIT | ONE-STATE | ZERO-STATE | SDI |
| R ENG THROTTLE                  | 015         | 25  | NOT MAX   | MAXIMUM    | 10  |
| PROGRAM PIN #26                 | 015         | 25  | SELECTED  | NOT SEL    | 11  |
| L HYD TAIL VALVE                | 015         | 26  | CLOSED    | OPEN       | 00  |
| L HYD SYS LO PRESS              | 015         | 26  | LO PRESS  | NORMAL     | 11  |
| R ENG LO OIL PRESS              | 015         | 26  | LO PRESS  | NORMAL     | 01  |
| R GEAR DOWN SYS #1              | 015         | 26  | DOWN&LOCK | UP         | 10  |
| L NACELLE LOOP 1                | 015         | 27  | FAULT     | OK         | 00  |
| N GEAR DOWN SYS #1              | 015         | 27  | DOWN&LOCK | UP         | 01  |
| R TURB OVHT LOOP 1              | 015         | 27  | FAULT     | OK         | 10  |
| R HYD RSVR PRES<17              | 015         | 27  | LO PRESS  | NORMAL     | 11  |
| L ENG THROTTLE                  | 015         | 28  | NOT MAX   | MAXIMUM    | 01  |
| CARGO BTL 2 DISCH               | 015         | 28  | LO PRESS  | NORMAL     | 10  |
| FUEL XFEED CLOSED               | 015         | 28  | OPEN      | CLOSED     | 00  |
| RAT DEPLOY FAULT                | 015         | 28  | FAULT     | OK         | 11  |

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| EICAS                           |             |     |           |            |     |
|---------------------------------|-------------|-----|-----------|------------|-----|
| DISCRETE OCTAL LABELS/BIT CHART |             |     |           |            |     |
| SIGNAL                          | OCTAL LABEL | BIT | ONE-STATE | ZERO-STATE | SDI |
| PROGRAM PIN #03                 | 016         | 13  | SELECTED  | NOT SEL    | 01  |
| EQUIP COOLING TEST              | 016         | 13  | TEST      | NORMAL     | 10  |
| R ENG OIL FILTER                | 016         | 14  | BYPASS    | NORMAL     | 00  |
| LDG GR LEVER SYS 1              | 016         | 14  | DOWN&LOCK | UP         | 01  |
| L EEC (LIMITER)                 | 016         | 14  | FAULT     | OK         | 10  |
| R ENG STARTER VAL               | 016         | 15  | DISAGREE  | NORMAL     | 01  |
| L GEAR DOWN SYS #2              | 016         | 15  | FAULT     | OK         | 10  |
| R IRS ON DC                     | 016         | 15  | NORMAL    | ON DC      | 00  |
| MACH SPEED TRIM                 | 016         | 16  | FAULT     | OK         | 00  |
| L MAIN PITOT HI HT              | 016         | 16  | HI HEAT   | NORMAL     | 10  |
| L HYD SYS LO QTY                | 016         | 17  | LO QTY    | NORMAL     | 00  |
| APU LOW OIL QUANT               | 016         | 17  | LO QTY    | NORMAL     | 01  |
| FSEU FAULT (MANT)               | 016         | 17  | FAULT     | OK         | 10  |
| MASTER CAUT LIGHT               | 016         | 18  | MCL ON    | MCL OFF    | 10  |
| R ENG BLEED OVHT                | 016         | 18  | OVHT      | NORMAL     | 01  |

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| EICAS                           |             |     |           |            |     |
|---------------------------------|-------------|-----|-----------|------------|-----|
| DISCRETE OCTAL LABELS/BIT CHART |             |     |           |            |     |
| SIGNAL                          | OCTAL LABEL | BIT | ONE-STATE | ZERO-STATE | SDI |
| TAT PROBE HEAT                  | 016         | 18  | FAULT     | OK         | 00  |
| L ENG BLEED OFF                 | 016         | 19  | OFF       | ON         | 01  |
| EICAS COMPUTER                  | 016         | 19  | OPER      | INOP       | 10  |
| WEU POWER SUPPLY                | 016         | 19  | FAULT     | OK         | 00  |
| AIR/GROUND SYS #2               | 016         | 20  | ON GROUND | IN AIR     | 10  |
| IGN 2 ON STANDBY                | 016         | 20  | STBY      | NORMAL     | 00  |
| R ENG FUEL CUTOFF               | 016         | 20  | CUTOFF    | RICH/RUN   | 01  |
| R ENG IGN ON STBY               | 016         | 20  | STBY      | NORMAL     | 00  |
| FIRE DET SYSTEM                 | 016         | 21  | FAULT     | OK         | 01  |
| R HYD RSVR PRES>55              | 016         | 21  | LO PRESS  | NORMAL     | 10  |
| RUDDER RATIO SYS                | 016         | 21  | FAULT     | OK         | 00  |
| R ENG FUEL VALVE                | 016         | 22  | DISAGREE  | NORMAL     | 00  |
| R WING TAI VALVE                | 016         | 22  | DISAGREE  | NORMAL     | 10  |
| T/O CONFIG STAB                 | 016         | 22  | WARNING   | NORMAL     | 01  |
| FWD ACCESS DOOR                 | 016         | 23  | OPEN      | CLOSED     | 00  |
| PROGRAM PIN #16                 | 016         | 23  | SELECTED  | NOT SEL    | 01  |
| R ENG VIBRATION                 | 016         | 23  | DISAGREE  | NORMAL     | 10  |
| ENG BTL 2 DISCH                 | 016         | 24  | LO PRESS  | NORMAL     | 00  |
| R MAIN PITOT HEAT               | 016         | 24  | FAULT     | OK         | 10  |
| AFT EQ CLG FILTER               | 016         | 25  | BLOCKED   | OK         | 01  |

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|---------------------------------|-------------|-----|-----------|------------|-----|
| DISCRETE OCTAL LABELS/BIT CHART |             |     |           |            |     |
| SIGNAL                          | OCTAL LABEL | BIT | ONE-STATE | ZERO-STATE | SDI |
| R ELEV LOW PRESS                | 016         | 25  | LO PRESS  | NORMAL     | 10  |
| APU BAT DISCH                   | 016         | 26  | DISCHARGE | NORMAL     | 01  |
| FWD CARGO DET FAN               | 016         | 26  | FAULT     | OK         | 00  |
| R BLEED DUCT LEAK               | 016         | 26  | OVHT      | NORMAL     | 10  |
| APU FIRE LOOP 1                 | 016         | 27  | FAULT     | OK         | 00  |
| R AFT FUEL PUMP                 | 016         | 27  | LO PRESS  | NORMAL     | 10  |
| R ENG BVCU FAULT                | 016         | 27  | FAULT     | OK         | 01  |
| L NACELLE LOOP 2                | 016         | 28  | FAULT     | OK         | 10  |
| NOSE COMPR SYS #1               | 016         | 28  | ON GROUND | IN AIR     | 00  |
| RAT UNLOCKED                    | 016         | 28  | UNLOCKED  | LOCKED     | 01  |
| L ENG VIB IDENT 1               | 023         | 18  | CODED     |            | 01  |
| R ENG VIB IDENT 1               | 023         | 18  | CODED     |            | 10  |
| L ENG VIB IDENT 2               | 023         | 19  | CODED     |            | 01  |
| R ENG VIB IDENT 2               | 023         | 19  | CODED     |            | 10  |
| C HYD PUMP #1 OH                | 036         | 14  | OVHT      | NORMAL     | 11  |
| AFT CARGO FIRE                  | 036         | 15  | FIRE      | NORMAL     | 11  |
| PROGRAM PIN #11                 | 036         | 16  | SELECTED  | NOT SEL    | 11  |

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|---------------------------------|-------------|-----|--------------|------------|-----|
| DISCRETE OCTAL LABELS/BIT CHART |             |     |              |            |     |
| SIGNAL                          | OCTAL LABEL | BIT | ONE-STATE    | ZERO-STATE | SDI |
| TAKEOFF THRUST                  | 036         | 17  | T/O THRUST   | NORMAL     | 11  |
| FUEL CONFIG                     | 036         | 18  | CONFIG FAULT | NORMAL     | 11  |
| LE SLAT DISAGREE                | 036         | 19  | DISAGREE     | NORMAL     | 11  |
| BLEED ISOL VALVE                | 036         | 20  | DISAGREE     | AGREE      | 11  |
| R HYD ELEC PUMP PR              | 036         | 21  | LO PRESS     | NORMAL     | 11  |
| LDG CONFIG-SPD BK               | 036         | 22  | CAUTION      | NORMAL     | 11  |
| ELEV ASYM PROT SYS              | 036         | 23  | FAULT        | OK         | 11  |
| BULK CARGO OVHT                 | 036         | 24  | OVHT         | OUT TEMP   | 11  |
| R ENGINE OVHT                   | 036         | 25  | OVHT         | NORMAL     | 11  |
| L ENG FIRE LOOP 1               | 036         | 26  | FAULT        | OK         | 11  |
| L ELEV LOW PRESS                | 036         | 28  | LO PRESS     | NORMAL     | 11  |
| APU FAULT                       | 037         | 11  | RECORD       | NORMAL     | 10  |
| L ENG N1 RED                    | 037         | 11  | RECORD       | NORMAL     | 11  |
| APU OIL QTY                     | 037         | 12  | RECORD       | NORMAL     | 10  |
| R ENG N1 RED                    | 037         | 12  | RECORD       | NORMAL     | 11  |
| L ENG DED GEN                   | 037         | 13  | FAULT        | OK         | 00  |
| C IRS FAULT                     | 037         | 13  | OK           | FAULT      | 01  |
| L ENG N2 RED                    | 037         | 13  | RECORD       | NORMAL     | 11  |

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|---------------------------------|-------------|-----|------------|------------|-----|
| DISCRETE OCTAL LABELS/BIT CHART |             |     |            |            |     |
| SIGNAL                          | OCTAL LABEL | BIT | ONE-STATE  | ZERO-STATE | SDI |
| AFT EQU SPLY FAN 1              | 037         | 14  | FAULT      | OK         | 01  |
| APU MAN RECORD                  | 037         | 14  | RECORD     | NORMAL     | 10  |
| FWD EQU SPLY OVHT               | 037         | 14  | OVHT       | NORMAL     | 00  |
| R ENG N2 RED                    | 037         | 14  | RECORD     | NORMAL     | 11  |
| APU FUEL VALVE                  | 037         | 15  | DISAGREE   | NORMAL     | 00  |
| PROGRAM PIN #12                 | 037         | 15  | SELECTED   | NOT SEL    | 01  |
| ECS MAN RECORD                  | 037         | 15  | RECORD     | NORMAL     | 10  |
| L ENG N3 RED                    | 037         | 15  | RECORD     | NORMAL     | 11  |
| C ELEV LOW PRESS                | 037         | 16  | LO PRESS   | NORMAL     | 00  |
| ELEC MAN RECORD                 | 037         | 16  | RECORD     | NORMAL     | 10  |
| FWD CABIN AIR OVHT              | 037         | 16  | OVHT       | NORMAL     | 01  |
| R ENG N3 RED                    | 037         | 16  | RECORD     | NORMAL     | 11  |
| LE SLAT ASYM                    | 037         | 17  | ASYM SLATS | NORMAL     | 00  |
| CAUTION AURAL COMM              | 037         | 17  | AURAL      | NOT WARN   | 01  |

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| EICAS                           |             |     |           |            |     |
|---------------------------------|-------------|-----|-----------|------------|-----|
| DISCRETE OCTAL LABELS/BIT CHART |             |     |           |            |     |
| SIGNAL                          | OCTAL LABEL | BIT | ONE-STATE | ZERO-STATE | SDI |
| HYD MAN RECORD                  | 037         | 17  | RECORD    | NORMAL     | 10  |
| L ENG EGT RED                   | 037         | 17  | RECORD    | NORMAL     | 11  |
| FLAP LOAD RELIEF                | 037         | 18  | FAULT     | NORMAL     | 00  |
| PERF MAN RECORD                 | 037         | 18  | RECORD    | NORMAL     | 10  |
| R ENG EGT RED                   | 037         | 18  | RECORD    | NORMAL     | 11  |
| SEI COMMAND                     | 037         | 19  | SEI OFF   | SEI ON     | 00  |
| APU AUTO RECORD                 | 037         | 19  | RECORD    | NORMAL     | 10  |
| ALTITUDE ALERT                  | 037         | 20  | ALERT     | NORMAL     | 00  |
| BULK CARGO DOOR                 | 037         | 20  | OPEN      | CLOSED     | 01  |
| ECS AUTO RECORD                 | 037         | 20  | RECORD    | NORMAL     | 10  |
| A/P CAUTION-2(NRM)              | 037         | 21  | FAULT     | OK         | 00  |
| MAIN BAT CHARGER                | 037         | 21  | OK        | FAULT      | 01  |
| ELEC AUTO RECORD                | 037         | 21  | RECORD    | NORMAL     | 10  |
| R DRAG BRACE SYS 2              | 037         | 22  | DOWN&LOCK | UP         | 00  |
| L WING TAI PRESS                | 037         | 22  | HI PRESS  | NORMAL     | 01  |
| HYD AUTO RECORD                 | 037         | 22  | RECORD    | NORMAL     | 10  |
| APU FAULT(MAINT)                | 037         | 23  | FAULT     | OK         | 00  |
| L EMERGENCY DOOR                | 037         | 23  | OPEN      | CLOSED     | 01  |
| L ENG OIL PRES RED              | 037         | 23  | RECORD    | NORMAL     | 11  |

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| EICAS                           |             |     |           |            |     |
|---------------------------------|-------------|-----|-----------|------------|-----|
| DISCRETE OCTAL LABELS/BIT CHART |             |     |           |            |     |
| SIGNAL                          | OCTAL LABEL | BIT | ONE-STATE | ZERO-STATE | SDI |
| PERF AUTO RECORD                | 037         | 23  | RECORD    | NORMAL     | 10  |
| AFT CARGO DOOR                  | 037         | 24  | OPEN      | CLOSED     | 01  |
| R EMERGENCY DOOR                | 037         | 24  | OPEN      | CLOSED     | 00  |
| R ENG OIL PRES RED              | 037         | 24  | RECORD    | NORMAL     | 11  |
| APU BTL 1 DISCH                 | 037         | 25  | LO PRESS  | NORMAL     | 01  |
| R HYD PRI PUMP OH               | 037         | 25  | OVHT      | NORMAL     | 00  |
| EICAS FAULT                     | 037         | 26  | FAULT     | OK         | 10  |
| L ENG OIL TEMP                  | 037         | 25  | RECORD    | NORMAL     | 11  |
| R ENG DED GEN                   | 037         | 26  | FAULT     | OK         | 01  |
| R ENG OIL TEMP                  | 037         | 26  | RECORD    | NORMAL     | 11  |
| FSEU FAULT (STATUS)             | 037         | 27  | FAULT     | OK         | 01  |
| R ENG FIRE LOOP 1               | 037         | 27  | FAULT     | OK         | 00  |
| ALERT FAULT                     | 037         | 27  | FAULT     | OK         | 10  |
| L ENG LO OIL PRESS              | 037         | 26  | LO PRESS  | NORMAL     | 00  |
| L S/DOWN PWR SAVER              | 037         | 28  | OK        | FAULT      | 00  |
| MASTER CAUTION RST              | 060         | 11  | ACTIVE    | INACTIVE   | 01  |
| L ENG STARTER                   | 060         | 12  | ACTIVE    | INACTIVE   | 01  |
| R ENG STARTER                   | 060         | 13  | ACTIVE    | INACTIVE   | 01  |
| ADC DATA                        | 056         | 11  | ACTIVE    | INACTIVE   | 01  |
| AVM DATA-RR-L                   | 056         | 12  | ACTIVE    | INACTIVE   | 01  |
| AVM DATA-RR-R                   | 056         | 13  | ACTIVE    | INACTIVE   | 01  |

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| EICAS                           |             |     |           |            |     |
|---------------------------------|-------------|-----|-----------|------------|-----|
| DISCRETE OCTAL LABELS/BIT CHART |             |     |           |            |     |
| SIGNAL                          | OCTAL LABEL | BIT | ONE-STATE | ZERO-STATE | SDI |
| EEC DATA-L                      | 056         | 14  | ACTIVE    | INACTIVE   | 01  |
| EEC DATA-R                      | 056         | 15  | ACTIVE    | INACTIVE   | 01  |
| EFIS COMP DATA                  | 056         | 16  | ACTIVE    | INACTIVE   | 01  |
| EICAS XTALK DATA                | 056         | 17  | ACTIVE    | INACTIVE   | 01  |
| EICAS DISP DATA                 | 056         | 18  | ACTIVE    | INACTIVE   | 01  |
| EPR ACTUAL-L                    | 056         | 19  | ACTIVE    | INACTIVE   | 01  |
| EPR ACTUAL-R                    | 056         | 20  | ACTIVE    | INACTIVE   | 01  |
| FMC DATA                        | 056         | 21  | ACTIVE    | INACTIVE   | 01  |
| FUEL QUANTITY DATA              | 056         | 22  | ACTIVE    | INACTIVE   | 01  |
| MCDP DATA                       | 056         | 23  | ACTIVE    | INACTIVE   | 01  |
| RA DATA                         | 056         | 24  | ACTIVE    | INACTIVE   | 01  |
| TMC DATA                        | 056         | 25  | ACTIVE    | INACTIVE   | 01  |

| EICAS DISP               |      |     |     |       |            |          |                 |
|--------------------------|------|-----|-----|-------|------------|----------|-----------------|
| DIGITAL OUTPUT BUS CHART |      |     |     |       |            |          |                 |
| BUS NAME                 |      |     | CON | PINS  | BUS FORMAT | BIT RATE | DATA BUS        |
| SOURCE                   | TYPE | BUS |     |       |            |          |                 |
| EICDSP ( C )             | A    | 1   |     | 17 18 | 429        | LO       | EICAS DSP BUS 1 |
| EICDSP ( C )             | A    | 2   |     | 19 20 | 429        | LO       | EICAS DSP BUS 2 |

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| EICAS DISP ID=029  |      |       |        |                       |     |                 |                   |       |
|--------------------|------|-------|--------|-----------------------|-----|-----------------|-------------------|-------|
| OCTAL LABELS CHART |      |       |        |                       |     |                 |                   |       |
| SIGNAL             | TYPE | LABEL | FORMAT | MIN<br>UPDATE<br>RATE | SDI | BINARY<br>RANGE | POSITIVE<br>SENSE | UNITS |
| DISC WORD 1        | A    | 270   | DIS    | 160                   | 00  | N/A             |                   | N/A   |
| DISC WORD 2        | A    | 271   | DIS    | 160                   | 00  | N/A             |                   | N/A   |

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| EICAS DISP                      |             |     |           |            |
|---------------------------------|-------------|-----|-----------|------------|
| DISCRETE OCTAL LABELS/BIT CHART |             |     |           |            |
| SIGNAL                          | OCTAL LABEL | BIT | ONE-STATE | ZERO-STATE |
| PILOTS CANCEL SW                | 270         | 11  | SEL       | NOT SEL    |
| PILOTS RECALL SW                | 270         | 12  | SEL       | NOT SEL    |
| EXCEED RESET KEY                | 270         | 13  | SEL       | NOT SEL    |
| CONFIG/MCDP SWITCH              | 270         | 14  | SEL       | NOT SEL    |
| PILOTS EVENT REC                | 270         | 15  | SEL       | NOT SEL    |
| STATUS KEY                      | 270         | 16  | SEL       | NOT SEL    |
| ENGINE KEY                      | 270         | 17  | SEL       | NOT SEL    |
| F/E RECALL SWITCH               | 270         | 18  | SEL       | NOT SEL    |
| MAN THR ON                      | 270         | 19  | SEL       | NOT SEL    |
| MAN THR LEFT                    | 270         | 20  | SEL       | NOT SEL    |
| MAN THR RIGHT                   | 270         | 21  | SEL       | NOT SEL    |
| THRUST SET #1                   | 270         | 22  | CODED     |            |
| THRUST SET #2                   | 270         | 23  | CODED     |            |
| THRUST SET #3                   | 270         | 24  | CODED     |            |

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| EICAS DISP                      |             |     |           |            |
|---------------------------------|-------------|-----|-----------|------------|
| DISCRETE OCTAL LABELS/BIT CHART |             |     |           |            |
| SIGNAL                          | OCTAL LABEL | BIT | ONE-STATE | ZERO-STATE |
| THRUST SET #4                   | 270         | 25  | CODED     |            |
| THRUST SET #5                   | 270         | 26  | CODED     |            |
| THRUST SET #6                   | 270         | 27  | CODED     |            |
| THRUST SET #7                   | 270         | 28  | CODED     |            |
| THRUST SET #8                   | 270         | 29  | CODED     |            |
| SPARE 01                        | 271         | 11  | SEL       | NOT SEL    |
| SPARE 02                        | 271         | 12  | SEL       | NOT SEL    |
| SPARE 03                        | 271         | 13  | SEL       | NOT SEL    |
| SPARE 04                        | 271         | 14  | SEL       | NOT SEL    |
| EPCS SWITCH                     | 271         | 15  | SEL       | NOT SEL    |
| SELF TEST SWITCH                | 271         | 16  | SEL       | NOT SEL    |
| F/E CANCEL SW                   | 271         | 17  | SEL       | NOT SEL    |
| AUTO READ SWITCH                | 271         | 18  | SEL       | NOT SEL    |
| EXC SWITCH                      | 271         | 19  | SEL       | NOT SEL    |
| PERF/APU SWITCH                 | 271         | 20  | SEL       | NOT SEL    |
| MAN READ SWITCH                 | 271         | 21  | SEL       | NOT SEL    |

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| EICAS DISP                      |             |     |           |            |
|---------------------------------|-------------|-----|-----------|------------|
| DISCRETE OCTAL LABELS/BIT CHART |             |     |           |            |
| SIGNAL                          | OCTAL LABEL | BIT | ONE-STATE | ZERO-STATE |
| F/E EVENT REC SW                | 271         | 22  | SEL       | NOT SEL    |
| EVENT ERASE SWITCH              | 271         | 23  | SEL       | NOT SEL    |
| ALL ENG SWITCH                  | 271         | 24  | SEL       | NOT SEL    |
| SEC ENG SWITCH                  | 271         | 25  | SEL       | NOT SEL    |
| STATUS SWITCH                   | 271         | 26  | SEL       | NOT SEL    |
| ECS/MSG SWITCH                  | 271         | 27  | SEL       | NOT SEL    |
| ELEC/HYD SWITCH                 | 271         | 28  | SEL       | NOT SEL    |
| PAD                             | 271         | 29  |           |            |

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3. EICAS Messages

- A. You can find the EICAS Message List at the front of the manual.

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





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WARNING SYSTEM

| COMPONENT  | FIG.<br>102<br>SHT | QTY | ACCESS/AREA                | AMM<br>REFERENCE |
|--|--------------------|-----|----------------------------|------------------|
| CIRCUIT BREAKER -  | 2                  |     | FLIGHT COMPARTMENT, P11    |                  |
| AURAL WARN SPKR LEFT, C567   |                    | 1   | 11B16                      | *                |
| AURAL WARN SPKR RIGHT, C568  |                    | 1   | 11H35                      | *                |
| WARN ELEX A, C565  |                    | 1   | 11J33                      | *                |
| WARN ELEX B, C566  |                    | 1   | 11B18                      | *                |
| FILTER - 400 Hz EMI, M1102 (PSU A)   | 1                  | 1   | 119BL, MAIN EQUIP CTR, P51 | 31-51-01         |
| FILTER - 400 Hz EMI, M1103 (PSU B)   | 1                  | 1   | 119BL, MAIN EQUIP CTR, P51 | 31-51-01         |
| INDICATOR - WEU PSU A FAULT                               | 1                  | 1   | 119BL, MAIN EQUIP CTR, P51 | *                |
| INDICATOR - WEU PSU B FAULT                               | 1                  | 1   | 119BL, MAIN EQUIP CTR, P51 | *                |
| LIGHT - SPEEDBRAKES, L716  | 2                  | 1   | FLIGHT COMPARTMENT, P1-3   | *                |
| LOUDSPEAKER - LEFT AURAL WARNING, B56  | 2                  | 1   | FLIGHT COMPARTMENT - OVHD  | *                |
| LOUDSPEAKER - RIGHT AURAL WARNING, B57   | 2                  | 1   | FLIGHT COMPARTMENT - OVHD  | *                |
| MODULE - (FIM 27-32-00/101)  |                    |     |                            |                  |
| LEFT STALL WARNING, M615   |                    |     |                            |                  |
| RIGHT STALL WARNING, M938  |                    |     |                            |                  |
| WEU BITE, M1411  |                    |     |                            |                  |
| MODULE - (FIM 34-16-00/101)  |                    |     |                            |                  |
| ALTITUDE ALERT, M617   |                    |     |                            |                  |
| MODULE - BELL/CHIME AURAL WARNING, M1000   | 1                  | 1   | 119BL, MAIN EQUIP CTR, P51 | 31-51-04         |
| MODULE - DECISION HEIGHT AURAL WARNING,<br>M10423         | 1                  | 1   | 119BL, MAIN EQUIP CTR, P51 | 31-51-04         |
| MODULE - DISCRETE WARNING DISPLAY, M779  | 1                  | 1   | FLIGHT COMPARTMENT, P1-3   | *                |
| MODULE - LANDING CONFIGURATION WARN, M983  | 1                  | 1   | 119BL, MAIN EQUIP CTR, P51 | 31-51-04         |
| MODULE - LEFT CLACKER/WAILER AURAL WARNING,<br>M10421     | 1                  | 1   | 119BL, MAIN EQUIP CTR, P51 | 31-51-04         |
| MODULE - LEFT SIREN/OWL AURAL WARNING, M999  | 1                  | 2   | 119BL, MAIN EQUIP CTR, P51 | 31-51-04         |
| MODULE - MASTER WARNING, M618  | 1                  | 1   | 119BL, MAIN EQUIP CTR, P51 | 31-51-04         |
| MODULE - POWER SUPPLY A, M616  | 1                  | 1   | 119BL, MAIN EQUIP CTR, P51 | 31-51-04         |
| MODULE - POWER SUPPLY B, M621  | 1                  | 1   | 119BL, MAIN EQUIP CTR, P51 | 31-51-04         |
| MODULE - RIGHT CLACKER/WAILER AURAL WARNING,<br>M10422  | 1                  | 1   | 119BL, MAIN EQUIP CTR, P51 | 31-51-04         |
| MODULE - RIGHT SIREN/OWL AURAL WARNING, M619   | 1                  | 1   | 119BL, MAIN EQUIP CTR, P51 | 31-51-04         |
| MODULE - T/O CONFIGURATION WARN, M620  | 1                  | 1   | 119BL, MAIN EQUIP CTR, P51 | 31-51-04         |
| PANEL - (FIM 30-32-00/101)   |                    |     |                            |                  |
| MISCELLANEOUS TEST, M10398   |                    |     |                            |                  |
| RELAY - (FIM 31-01-36/101)   |                    |     |                            |                  |
| AIR/GND SYSTEM NO. 1, K135   |                    |     |                            |                  |
| AIR/GND SYSTEM NO. 1, K148   |                    |     |                            |                  |
| AIR/GND SYSTEM NO. 1, K10108   |                    |     |                            |                  |
| RELAY - PSU A FAULT, K10343  | 1                  | 1   | 119BL, MAIN EQUIP CTR, P51 | *                |
| RELAY - PSU B FAULT, K10344  | 1                  | 1   | 119BL, MAIN EQUIP CTR, P51 | *                |
| SWITCH - CAPTAIN'S MASTER WARNING AND CAUTION<br>LIGHTED, S507   | 2                  | 1   | FLIGHT COMPARTMENT, P7     | *                |
| SWITCH - CONFIGURATION WARNING TEST, S3  | 2                  | 1   | FLIGHT COMPARTMENT, P61    | *                |
| SWITCH - FIRST OFFICER'S MASTER WARNING AND<br>CAUTION LIGHTED, S508   | 2                  | 1   | FLIGHT COMPARTMENT, P7     | *                |
| SWITCH - GND PROX/CONFIG GEAR OVRD, S10231   | 2                  | 1   | FLIGHT COMPARTMENT, P3-1   | *                |
| SWITCH - SPEEDBRAKE HANDLE POSITION, S493  | 2                  | 1   | FLIGHT COMPARTMENT, P10    | 31-51-03         |
| SWITCH - WEU PSU RESET                                  | 1                  | 1   | 119BL, MAIN EQUIP CTR, P51 | *                |

\* SEE THE WDM EQUIPMENT LIST

-  THE PSU RESET AND THE PSU A AND B FAULT INDICATORS ARE IN THE WEU BITE MODULE.
-  GUI 009

Warning System - Component Index  
Figure 101

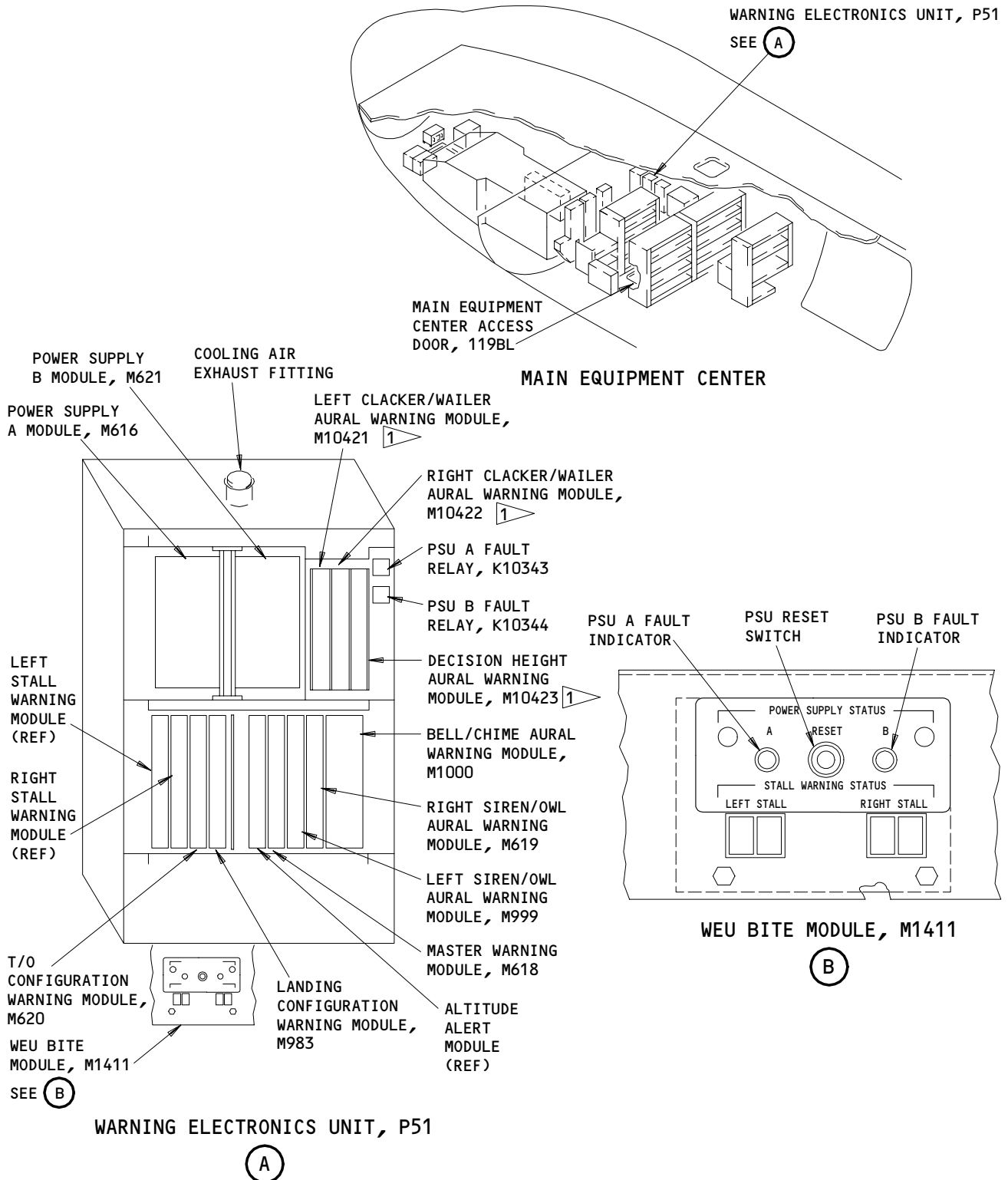
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1 GUI 009

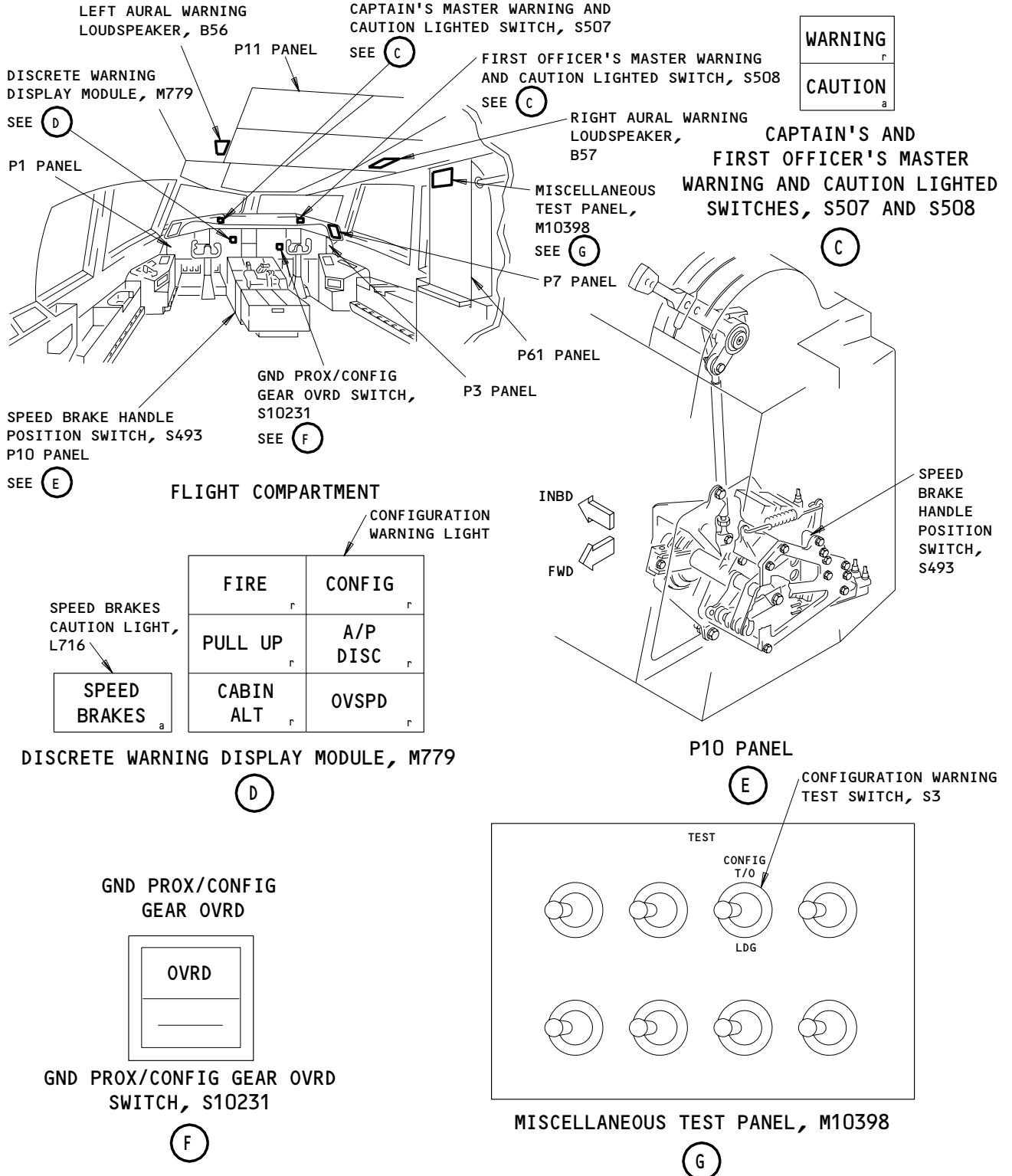
Warning System - Component Location  
Figure 102 (Sheet 1)

|             |     |
|-------------|-----|
| EFFECTIVITY |     |
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Warning System - Component Location  
Figure 102 (Sheet 2)

|             |     |
|-------------|-----|
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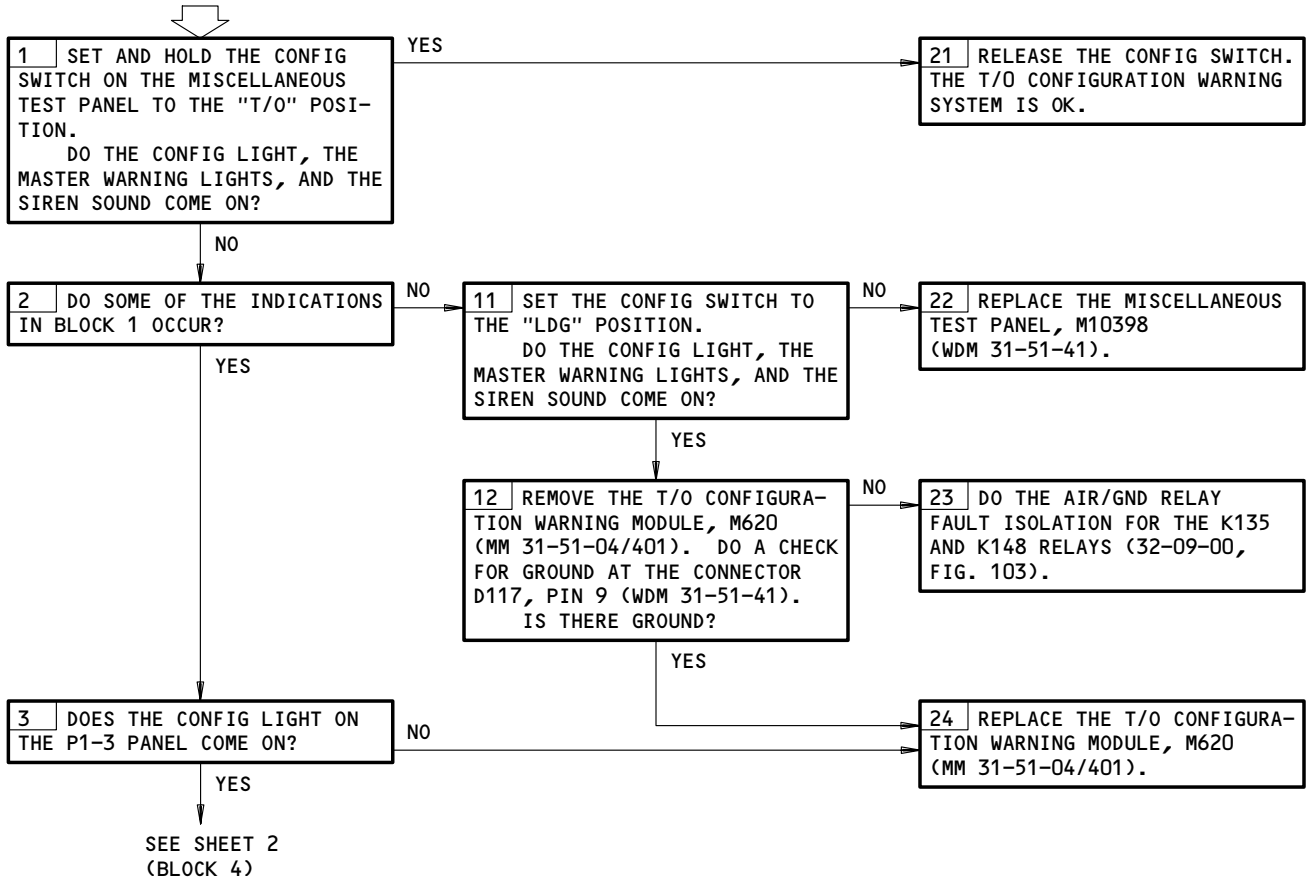
**PREREQUISITES**

MAKE SURE THIS SYSTEM WILL OPERATE:  
 RADIO ALTIMETER (MM 34-33-00/501)

MAKE SURE THESE CIRCUIT BREAKERS ARE CLOSED:  
 11A32,11A33,11B16,11B18,11H35,11J33

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

**T/O CONFIGURATION WARNING PROBLEMS**

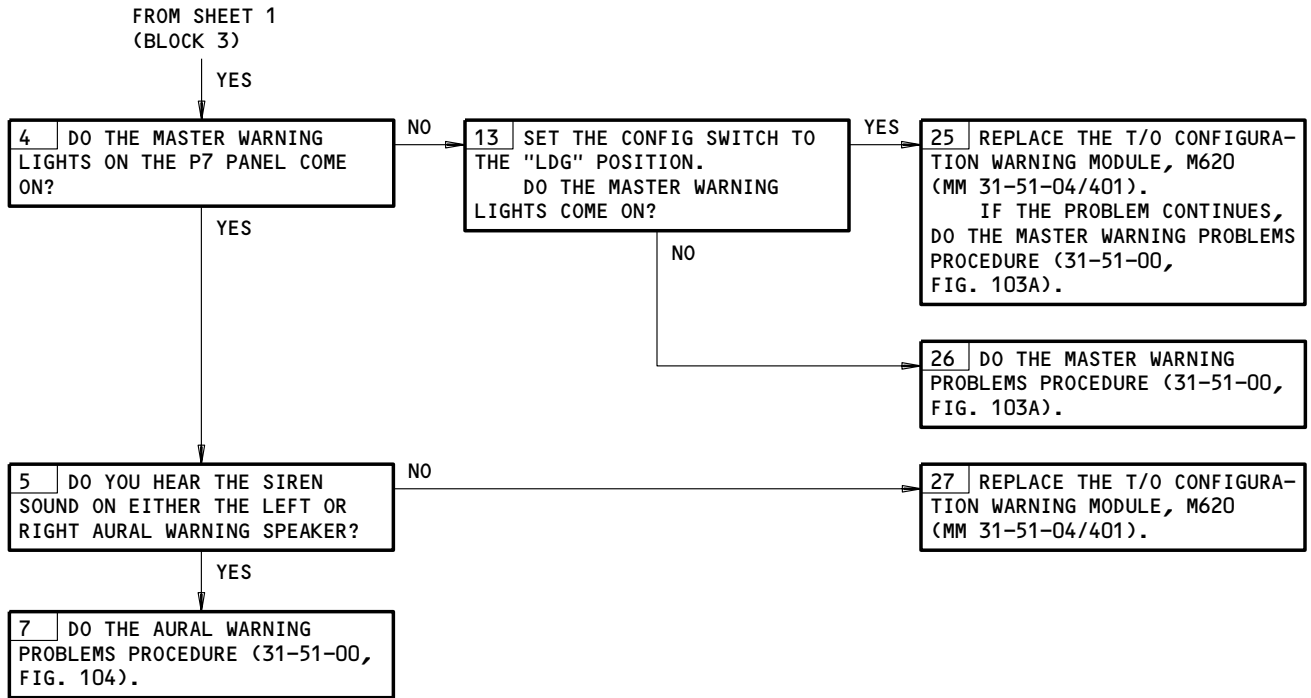


T/O Configuration Warning Problems  
 Figure 103 (Sheet 1)

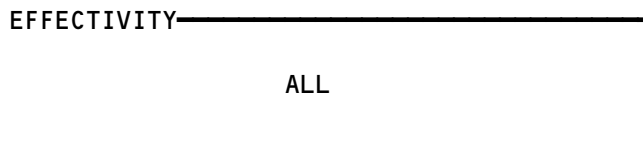
|             |     |
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| EFFECTIVITY | ALL |
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T/O Configuration Warning Problems  
Figure 103 (Sheet 2)



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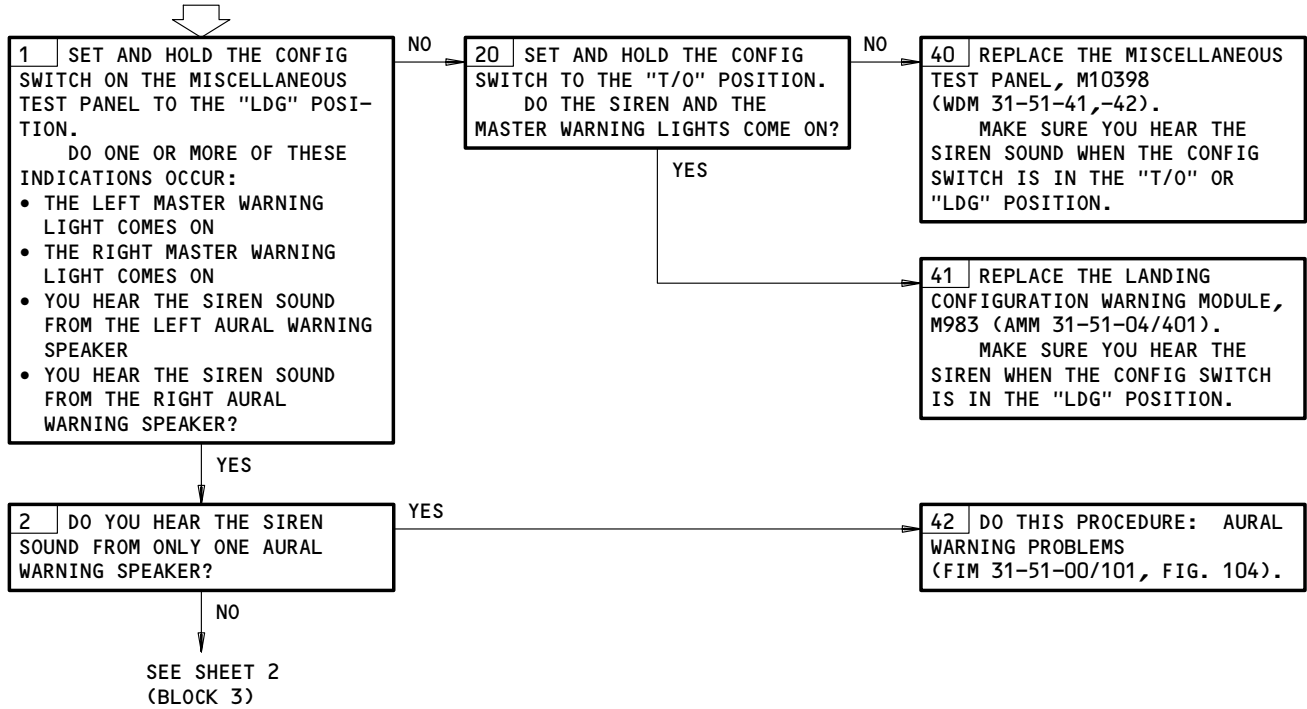
**PREREQUISITES**

MAKE SURE THESE SYSTEMS WILL OPERATE:  
 MASTER DIM AND TEST (AMM 33-16-00/501)  
 RADIO ALTIMETER (AMM 34-33-00/501)

MAKE SURE THESE CIRCUIT BREAKERS ARE CLOSED:  
 11B16,11B18,11H35,11J33

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

**MASTER WARNING PROBLEMS**

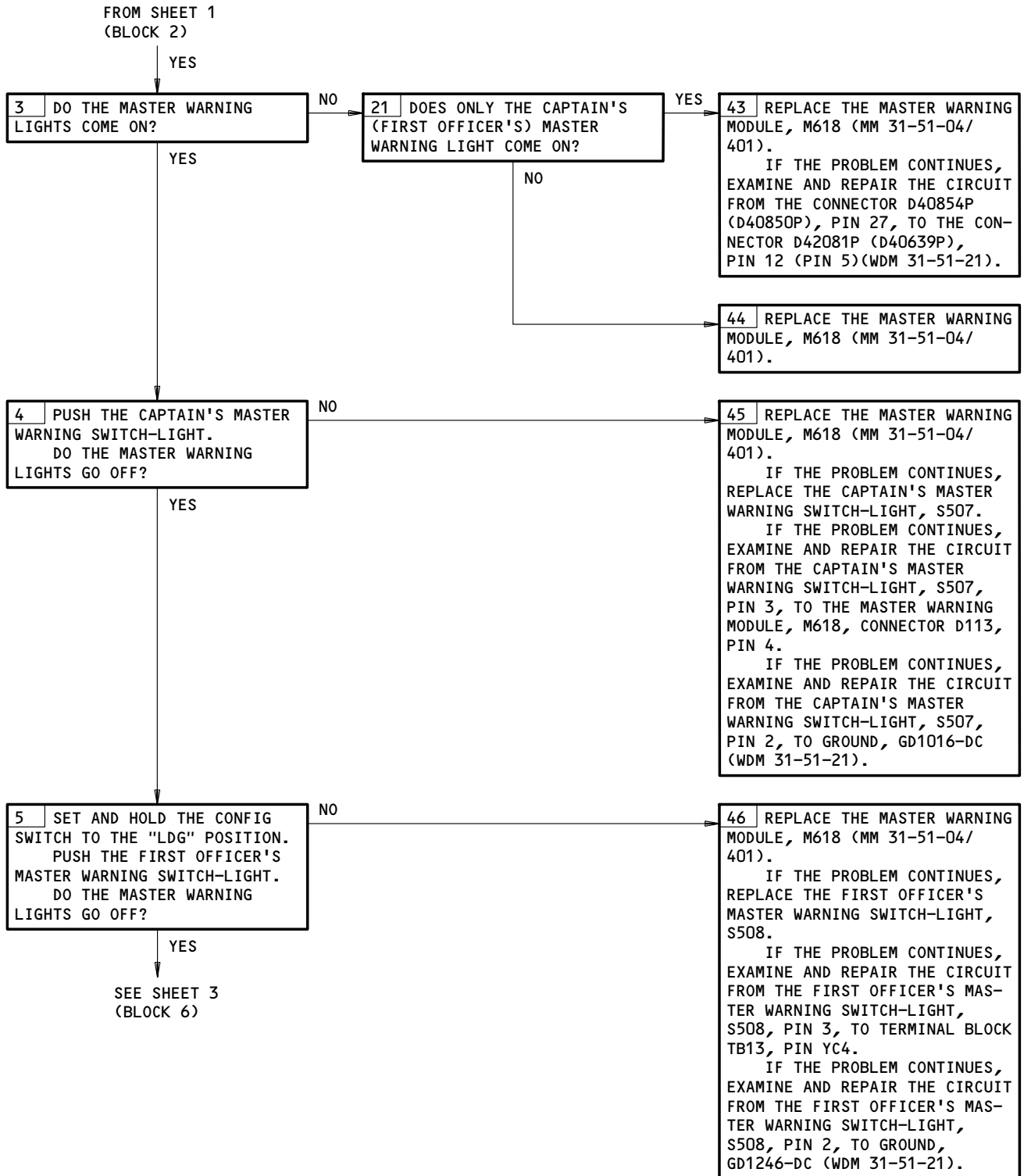


Master Warning Problems  
Figure 103A (Sheet 1)

|             |     |
|-------------|-----|
| EFFECTIVITY | ALL |
|-------------|-----|

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Master Warning Problems  
Figure 103A (Sheet 2)

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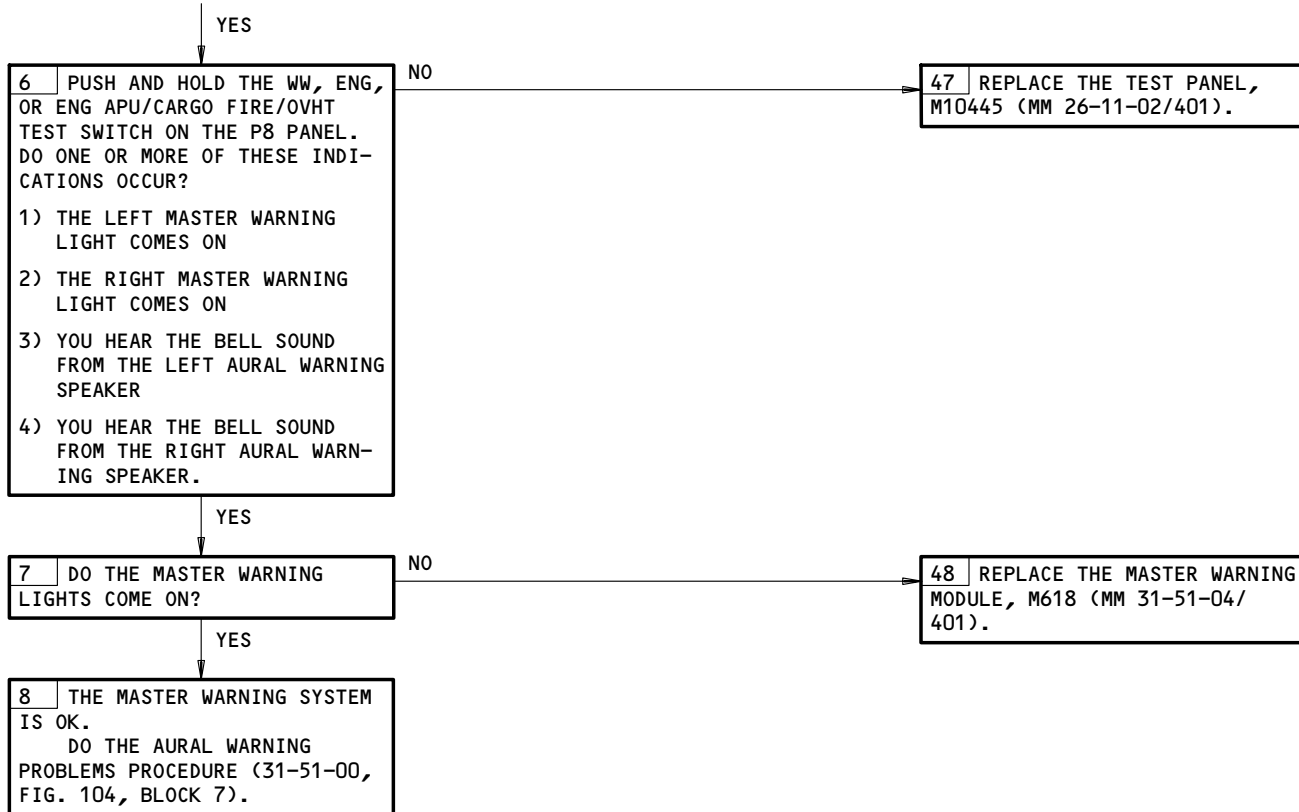
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FROM SHEET 2  
(BLOCK 5)



Master Warning Problems  
Figure 103A (Sheet 3)

|             |     |
|-------------|-----|
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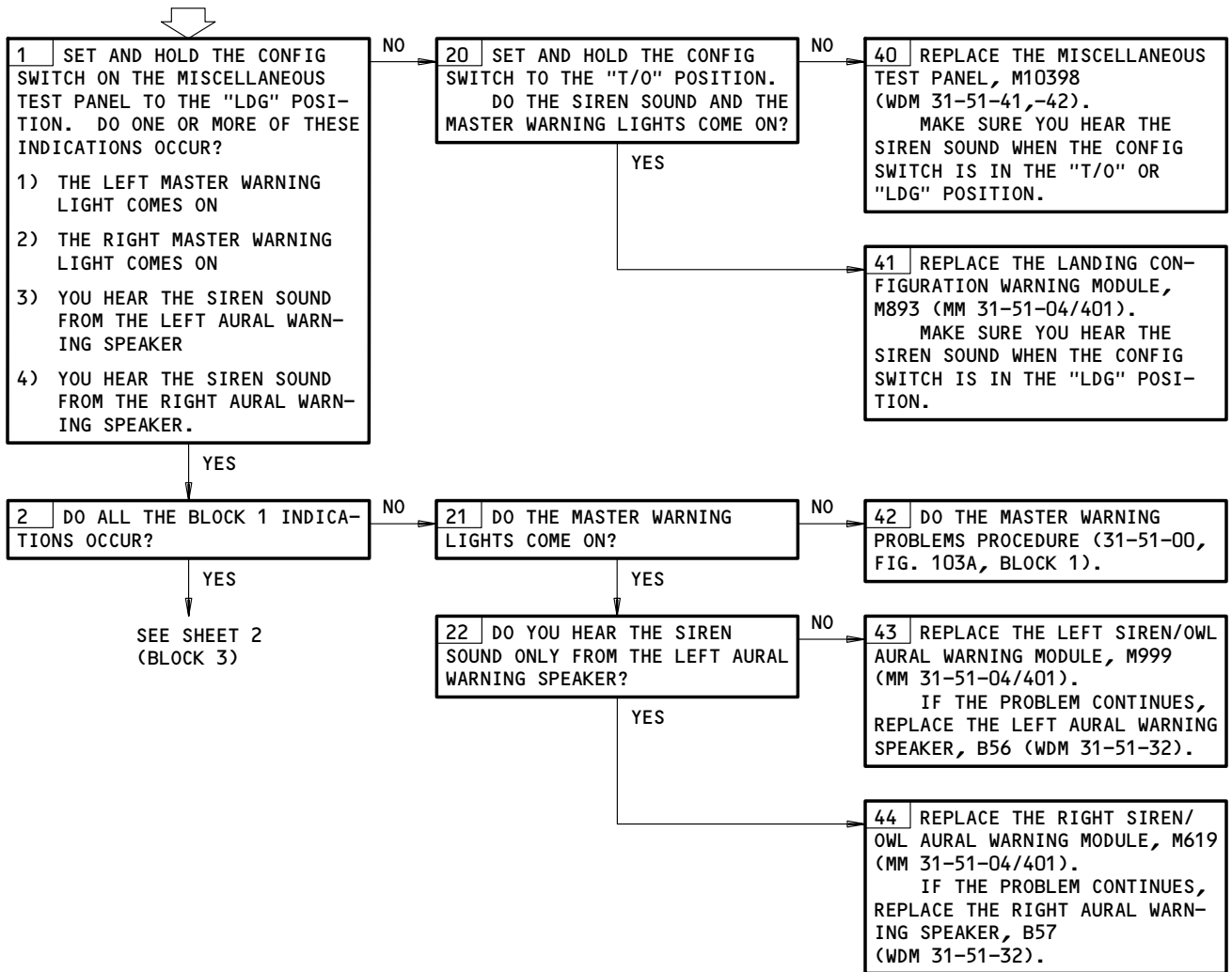
**PREREQUISITES**

MAKE SURE THESE SYSTEMS WILL OPERATE:  
MASTER DIM AND TEST (MM 33-16-00/501)  
RADIO ALTIMETER (MM 34-33-00/501)

MAKE SURE THESE CIRCUIT BREAKERS ARE CLOSED:  
11B16,11B18,11H35,11J33

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

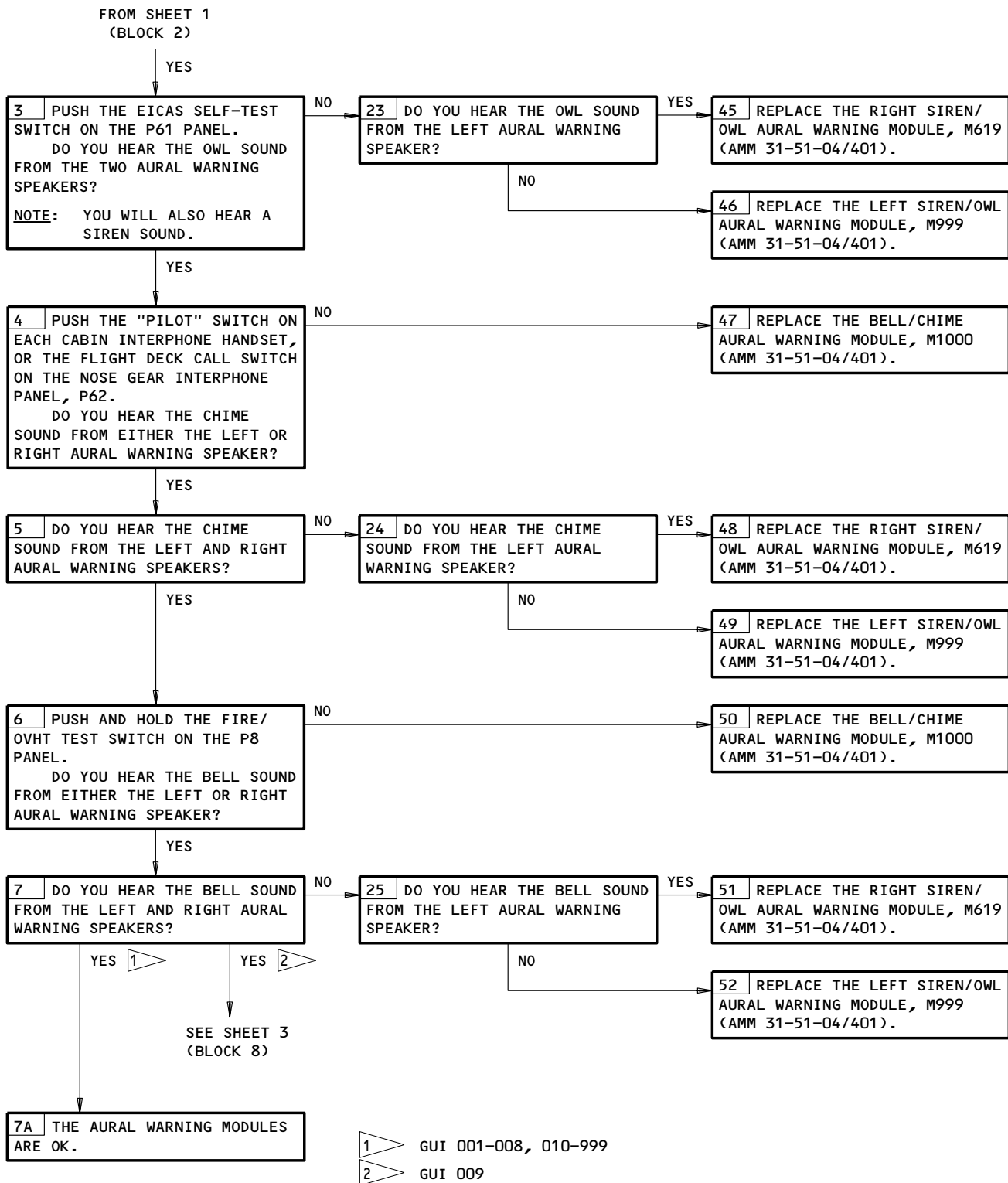
**AURAL WARNING PROBLEMS**



Aural Warning Problems  
Figure 104 (Sheet 1)

|             |     |
|-------------|-----|
| EFFECTIVITY | ALL |
|-------------|-----|

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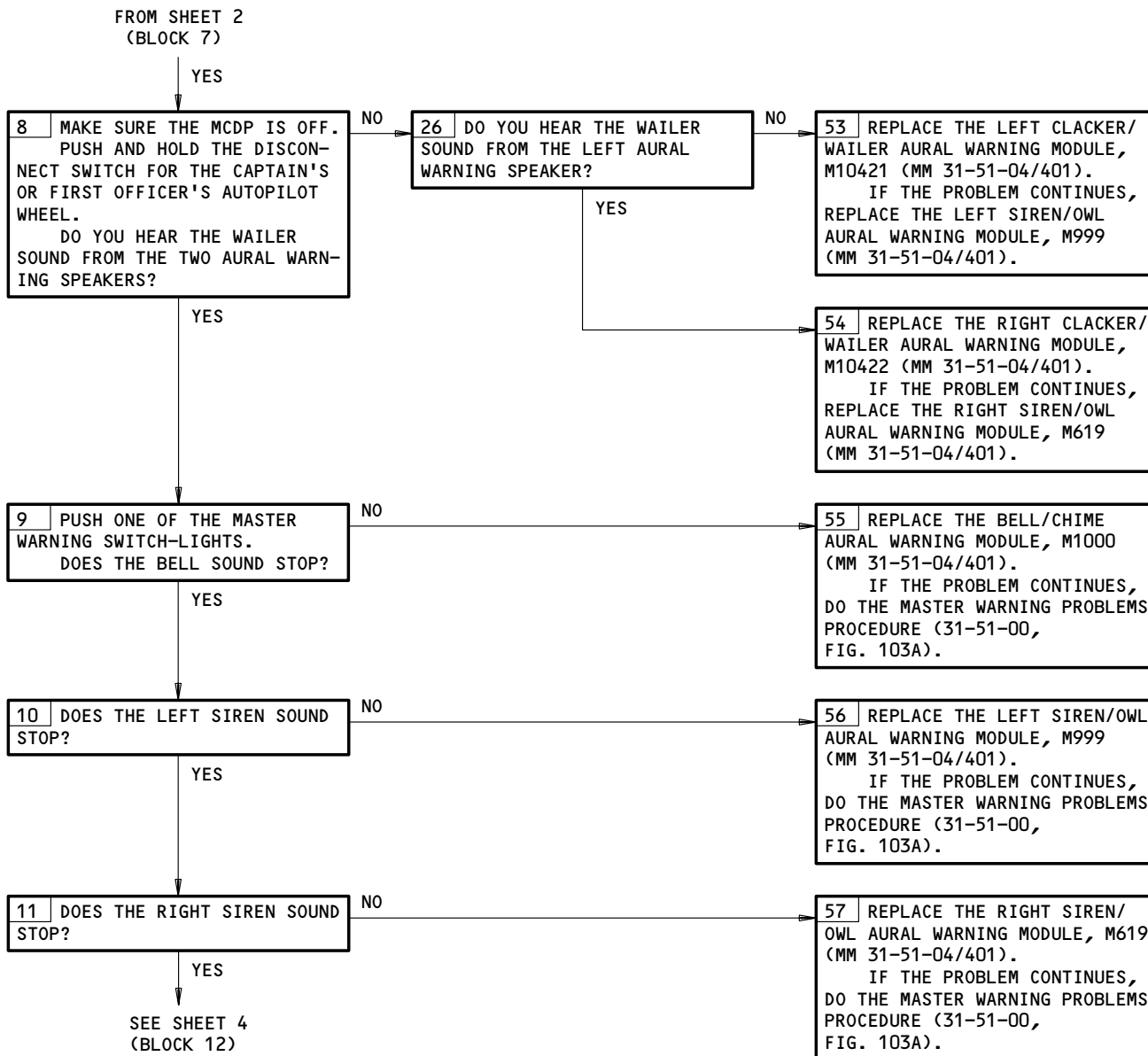


Aural Warning Problems  
Figure 104 (Sheet 2)

EFFECTIVITY

ALL

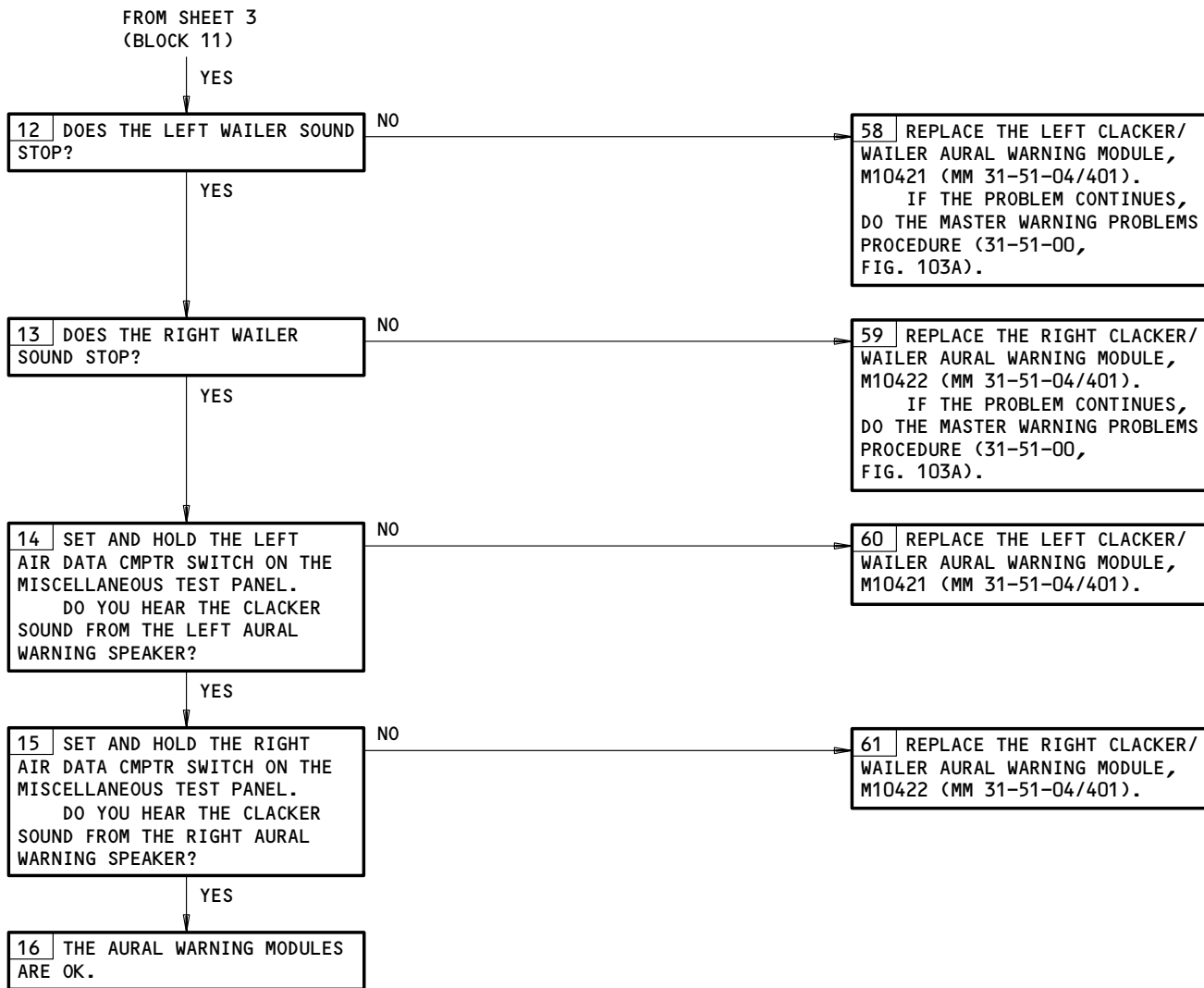
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Aural Warning Problems  
Figure 104 (Sheet 3)

EFFECTIVITY  
GUI 009

31-51-00



Aural Warning Problems  
Figure 104 (Sheet 4)

EFFECTIVITY  
GUI 009

31-51-00

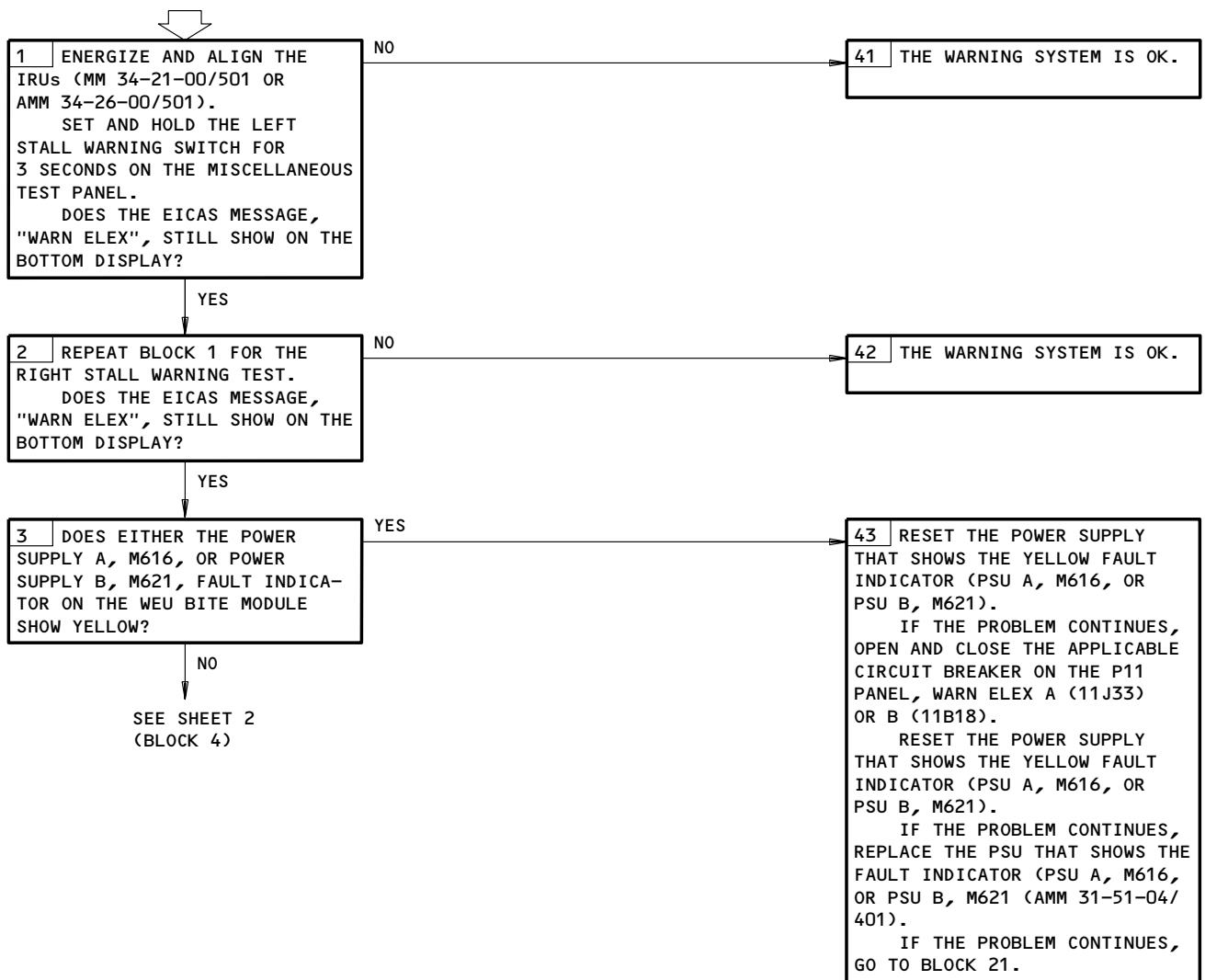
**EICAS MESSAGE  
"WARN ELEX"  
DISPLAYED**

**PREREQUISITES**

MAKE SURE THESE SYSTEMS WILL OPERATE:  
 STALL WARNING SYSTEM (AMM 27-32-00/501)  
 EICAS (AMM 31-41-00/201)  
 AIR/GROUND SYSTEM (AMM 32-09-02/201)  
 AIR DATA COMPUTER SYSTEM (AMM 34-12-00/501)  
 INERTIAL REFERENCE SYSTEM (AMM 34-21-00/501 OR  
 AIR DATA INERTIAL REFERENCE SYSTEM  
 (AMM 34-26-00/501).

MAKE SURE THESE CIRCUIT BREAKERS ARE CLOSED:  
 11B18,11C11,11J21,11J33

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



EICAS Message WARN ELEX Displayed  
Figure 105 (Sheet 1)

EFFECTIVITY

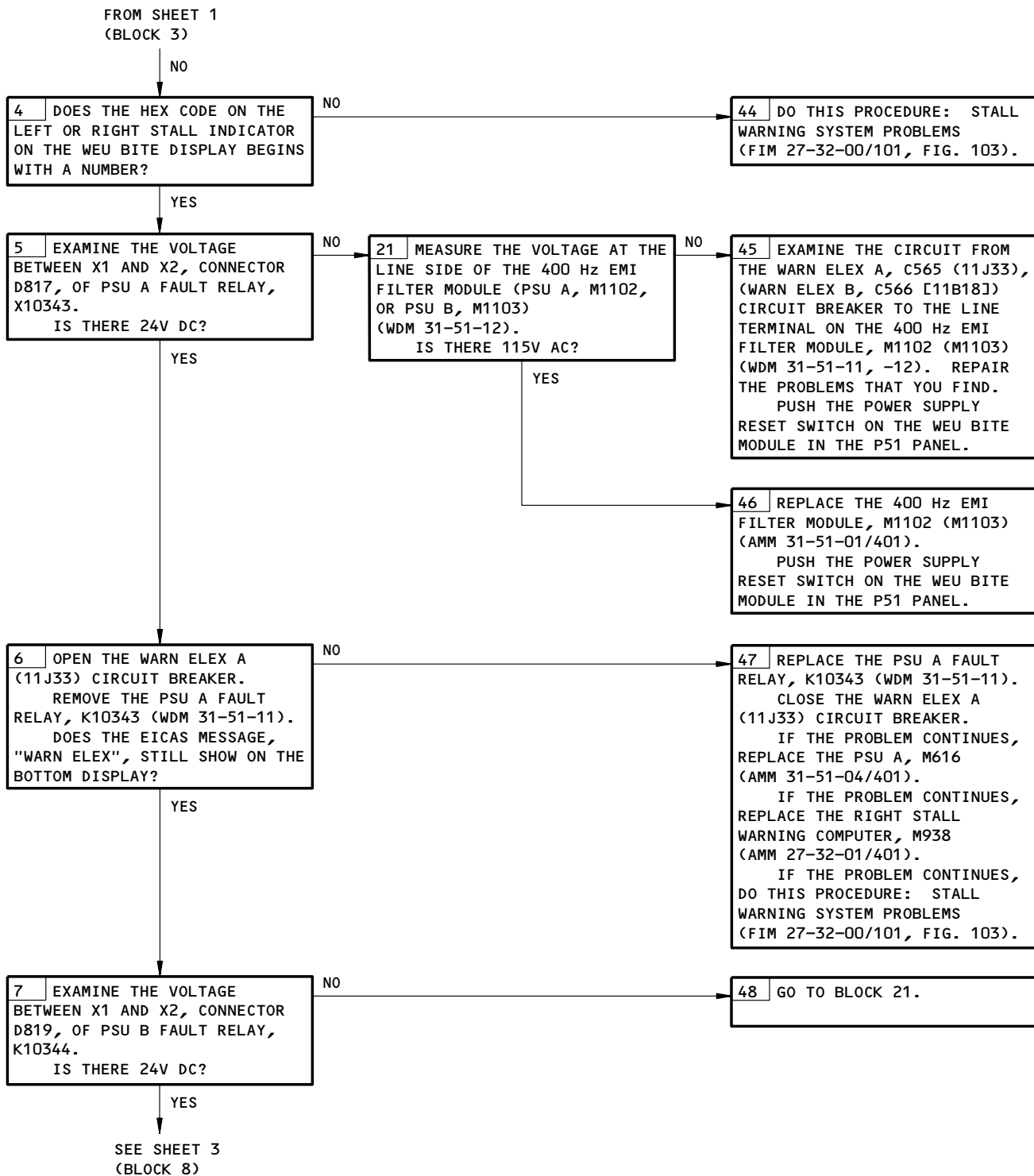
ALL

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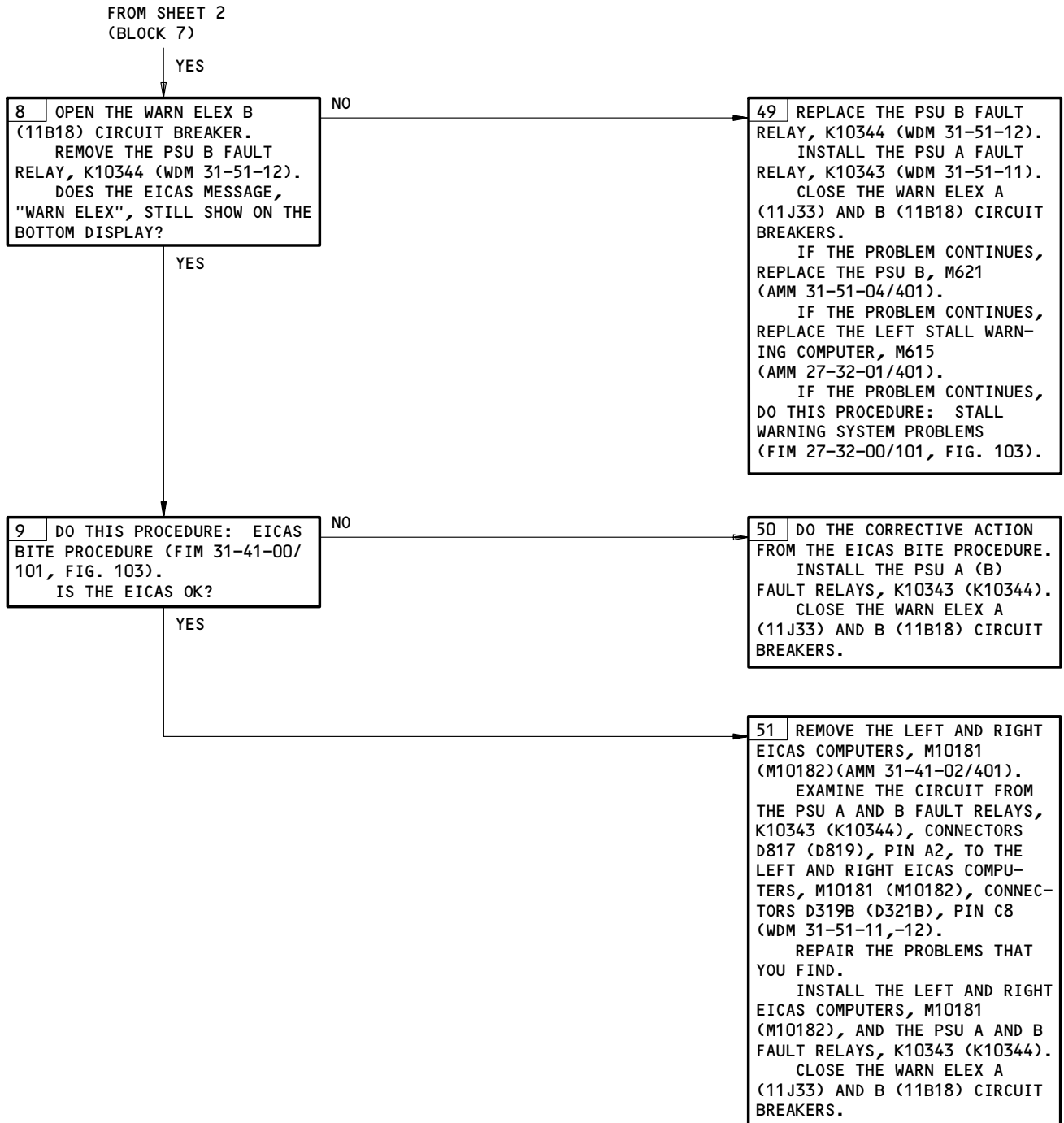
EICAS Message WARN ELEX Displayed  
Figure 105 (Sheet 2)

EFFECTIVITY

ALL

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EICAS Message WARN ELEX Displayed  
Figure 105 (Sheet 3)

EFFECTIVITY

ALL

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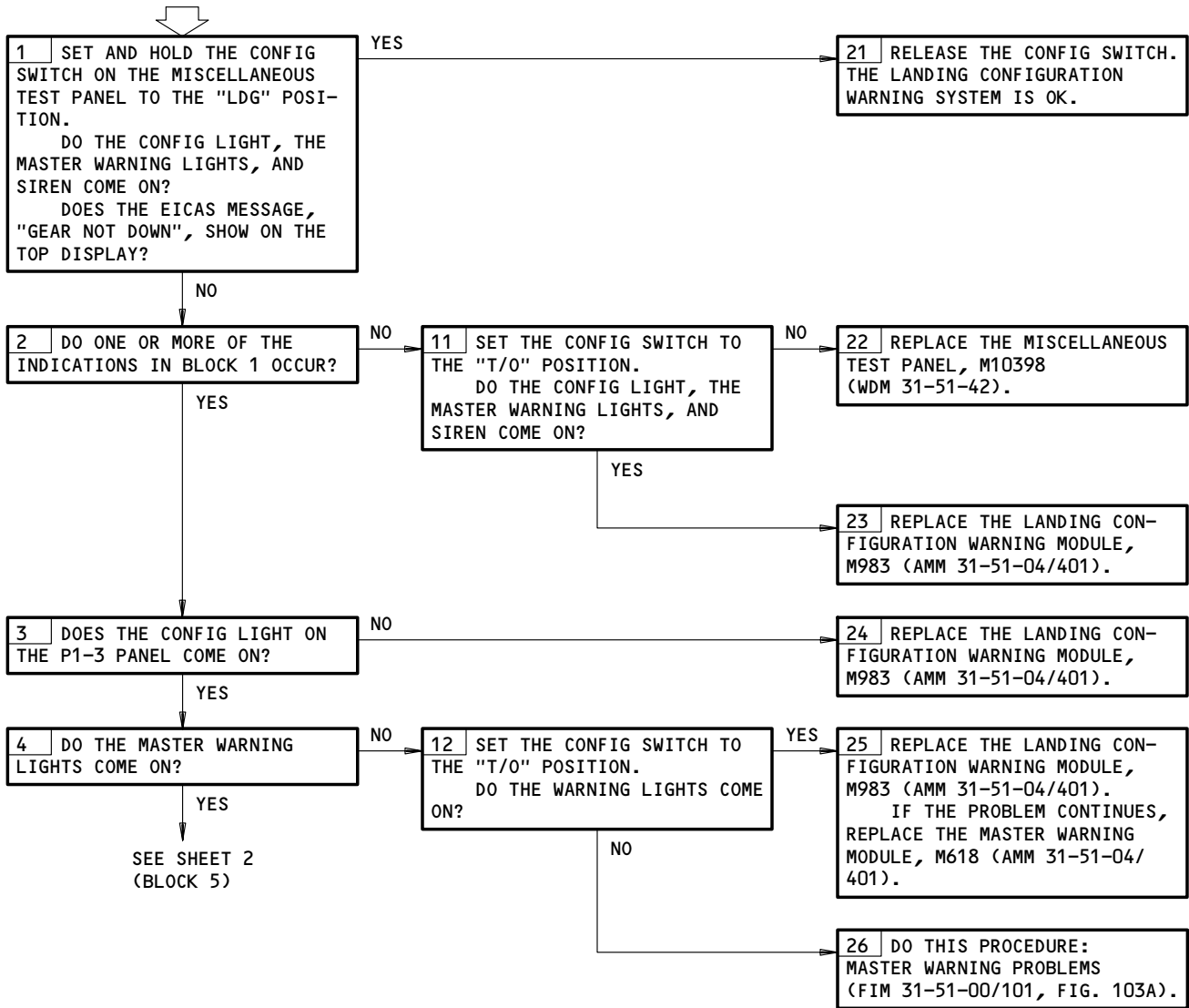
**PREREQUISITES**

MAKE SURE THIS SYSTEM WILL OPERATE:  
RADIO ALTIMETER (AMM 34-33-00/501)

MAKE SURE THESE CIRCUIT BREAKERS ARE CLOSED:  
11A33,11A34,11A35,11B16,11B18,11C14,11H35,11J33,  
11P29,11S23

MAKE SURE THE AIRPLANE IS IN THIS CONFIGURATION:  
ELECTRICAL POWER IS ON (AMM 24-22-00/201)  
THE PARKING BRAKE IS SET TO THE ON POSITION  
THE GND PROX/CONFIG GEAR OVRD SWITCH IS IN THE OFF POSITION

**LANDING CONFIGURATION WARNING PROBLEMS**

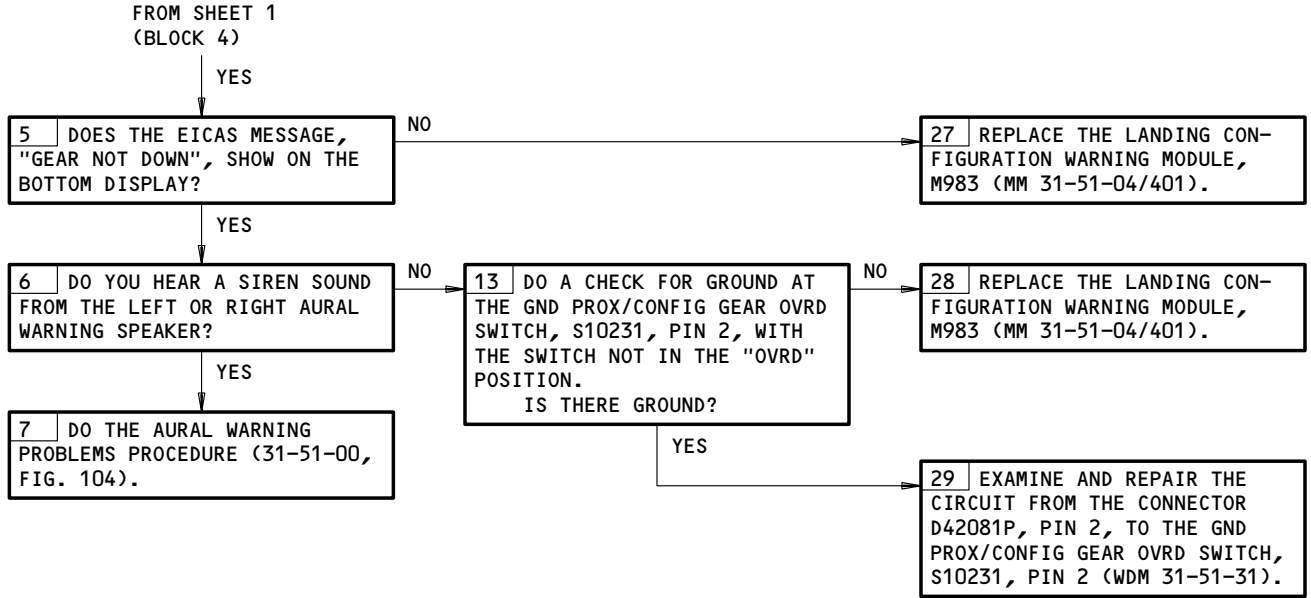


Landing Configuration Warning Problems  
Figure 106 (Sheet 1)

|             |     |
|-------------|-----|
| EFFECTIVITY | ALL |
|-------------|-----|

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Landing Configuration Warning Problems  
Figure 106 (Sheet 2)

|             |     |
|-------------|-----|
| EFFECTIVITY | ALL |
|-------------|-----|

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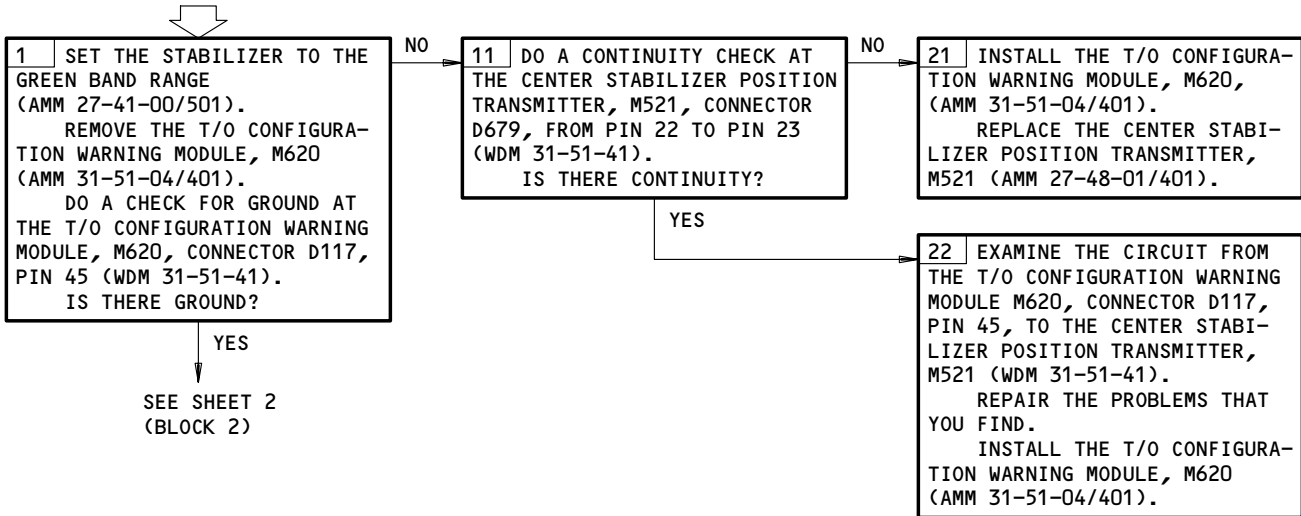
TAKEOFF WARNING SYSTEM ACTIVATED WITH AIRPLANE IN PROPER TAKEOFF CONFIGURATION. EICAS MSG "STABILIZER" DISPLAYED.

**PREREQUISITES**

MAKE SURE THIS CIRCUIT BREAKER IS CLOSED:  
11C14

MAKE SURE THE AIRPLANE IS IN THIS CONFIGURATION:  
ELECTRICAL POWER IS ON (AMM 24-22-00/201)  
HYDRAULIC POWER IS ON (AMM 29-11-00/201)

**WARNING:** KEEP ALL PERSONS AND EQUIPMENT AWAY FROM THE CONTROL SURFACES WHEN THE HYDRAULIC POWER IS ON. IF YOU DO NOT, INJURY TO PERSONS OR DAMAGE TO EQUIPMENT CAN OCCUR.



Takeoff Warning System Activated with Airplane in Proper Takeoff Configuration. EICAS Msg STABILIZER Displayed.  
Figure 107 (Sheet 1)

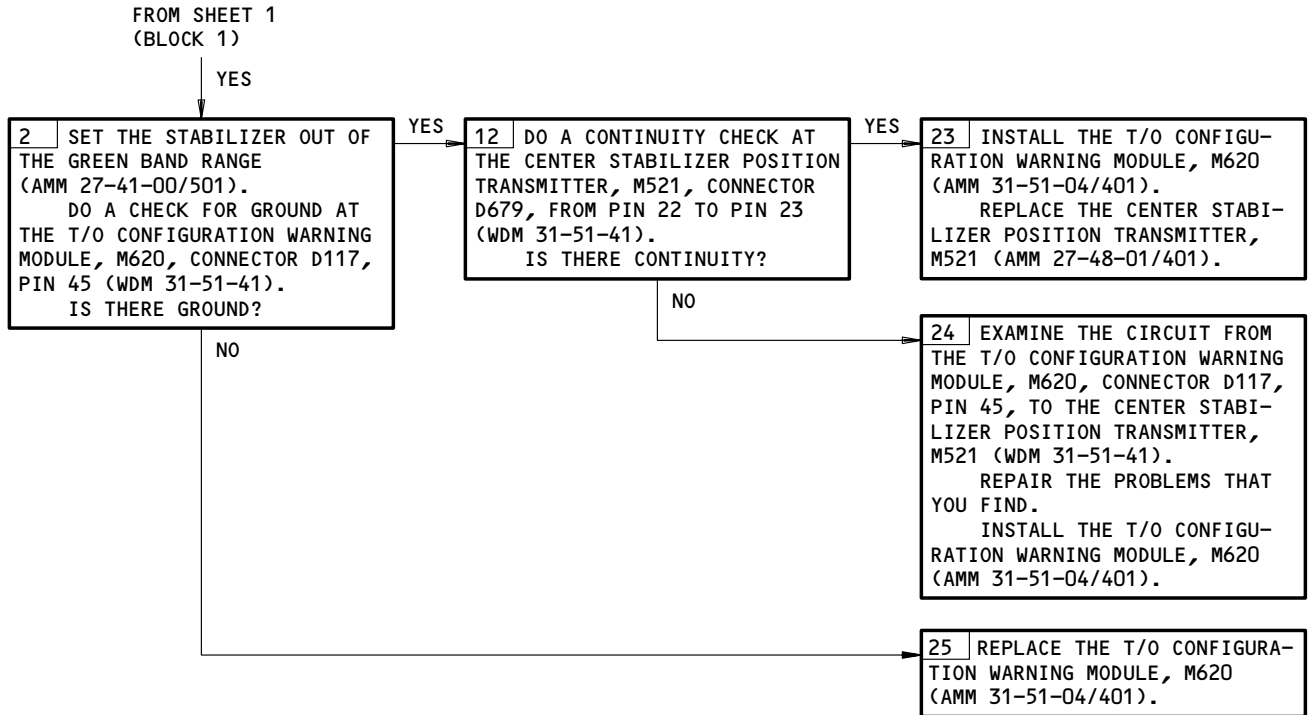
EFFECTIVITY

ALL

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Takeoff Warning System Activated with Airplane in Proper Takeoff Configuration. EICAS Msg STABILIZER Displayed.  
Figure 107 (Sheet 2)

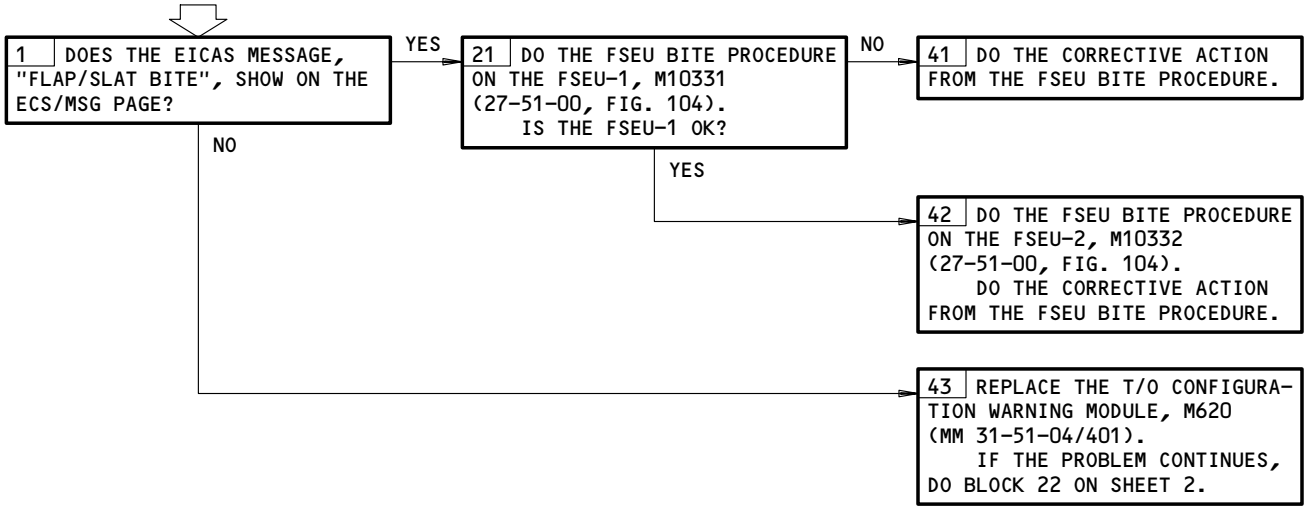
EFFECTIVITY

|     |
|-----|
| ALL |
|-----|

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TAKEOFF WARNING SYS  
 ACTIVATED WITH  
 AIRPLANE IN PROPER  
 TAKEOFF CONFIGURA-  
 TION. EICAS MSG  
 "FLAPS" DISPLAYED

**PREREQUISITES**  
 MAKE SURE THESE SYSTEMS WILL OPERATE:  
 TRAILING EDGE FLAP SYSTEM (MM 27-51-00/501)  
 EICAS (MM 31-41-00/201)  
 MAKE SURE THESE CIRCUIT BREAKERS ARE CLOSED:  
 11B16,11B18,11H35,11J33,11S15  
 MAKE SURE THE AIRPLANE IS IN THE CONFIGURATION THAT  
 FOLLOWS:  
 ELECTRICAL POWER IS ON (MM 24-22-00/201)



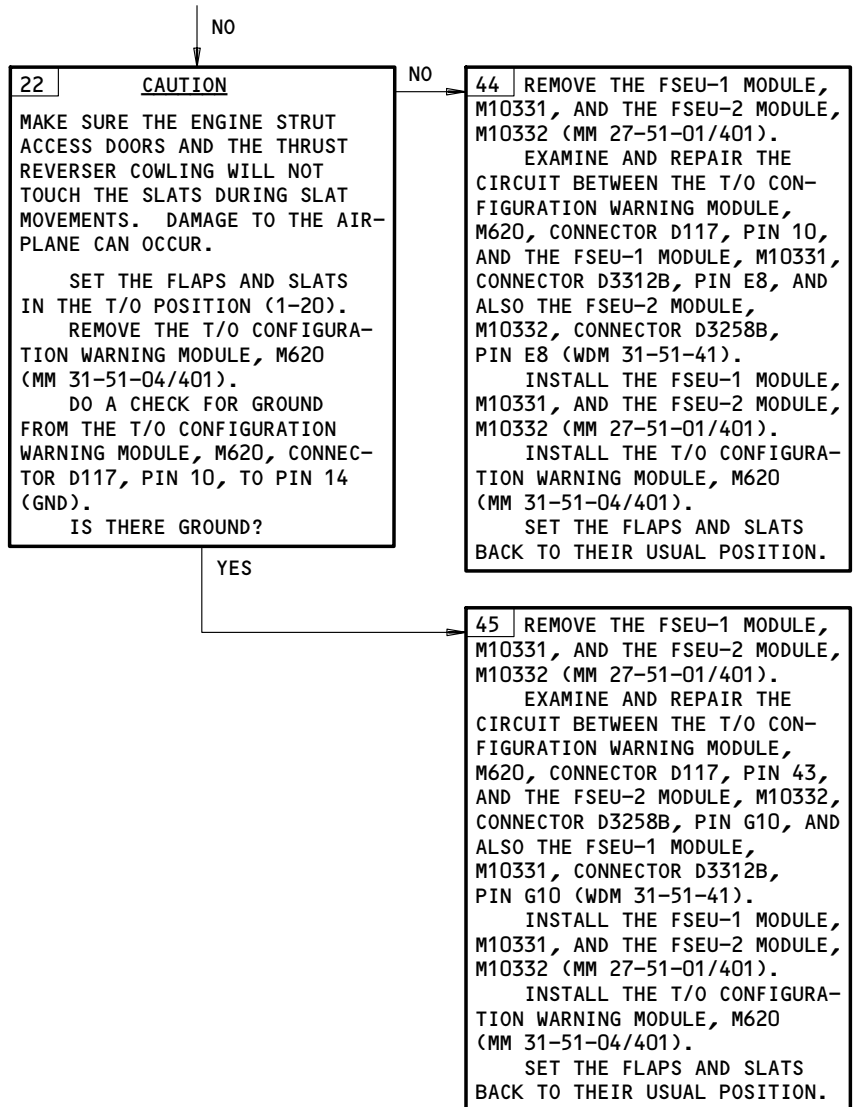
Takeoff Warning System Activated with Airplane in Proper  
 Takeoff Configuration. EICAS Msg FLAPS Displayed  
 Figure 108 (Sheet 1)

|             |     |
|-------------|-----|
| EFFECTIVITY | ALL |
|-------------|-----|

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**BOEING**  
757  
FAULT ISOLATION/MAINT MANUAL

FROM SHEET 1  
(BLOCK 43)



Takeoff Warning System Activated with Airplane in Proper  
Takeoff Configuration. EICAS Msg FLAPS Displayed  
Figure 108 (Sheet 2)

EFFECTIVITY

|     |
|-----|
| ALL |
|-----|

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03

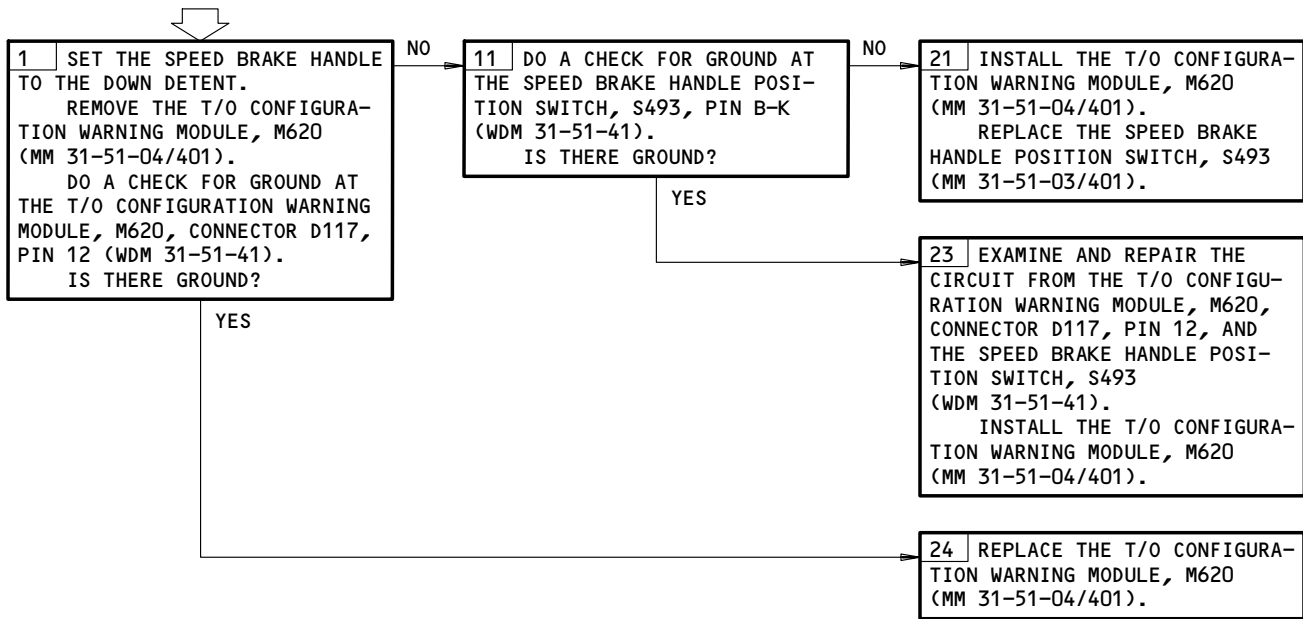
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TAKEOFF WARNING SYS  
ACTIVATED WITH AIR-  
PLANE IN PROPER  
TAKEOFF CONFIGURA-  
TION. EICAS MSG  
"SPOILER" DISPLAYED.

**PREREQUISITES**  
NONE

**WARNING:** KEEP ALL PERSONS AND EQUIPMENT AWAY FROM THE SPOILERS. IF YOU DO NOT, INJURY TO PERSONS OR DAMAGE TO EQUIPMENT CAN OCCUR.



Takeoff Warning System Activated with Airplane in Proper  
Takeoff Configuration. EICAS Msg SPOILERS Displayed.

Figure 109

EFFECTIVITY

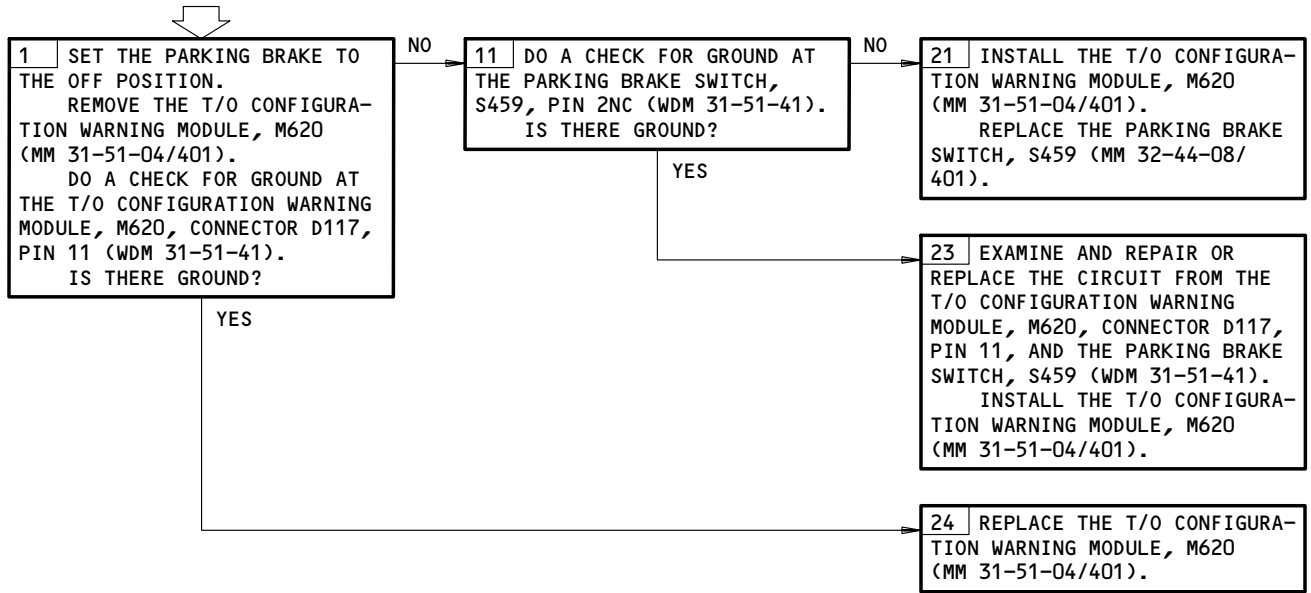
|     |
|-----|
| ALL |
|-----|

31-51-00



TAKEOFF WARNING SYS  
ACTIVATED WITH AIR-  
PLANE IN PROPER  
TAKEOFF CONFIGURA-  
TION. EICAS MSG  
"PARKING BRAKE"  
DISPLAYED.

PREREQUISITES  
NONE



Takeoff Warning System Activated with Airplane in Proper  
Takeoff Configuration. EICAS Msg PARKING BRAKE Displayed.  
Figure 110

|             |       |
|-------------|-------|
| EFFECTIVITY | _____ |
| ALL         |       |

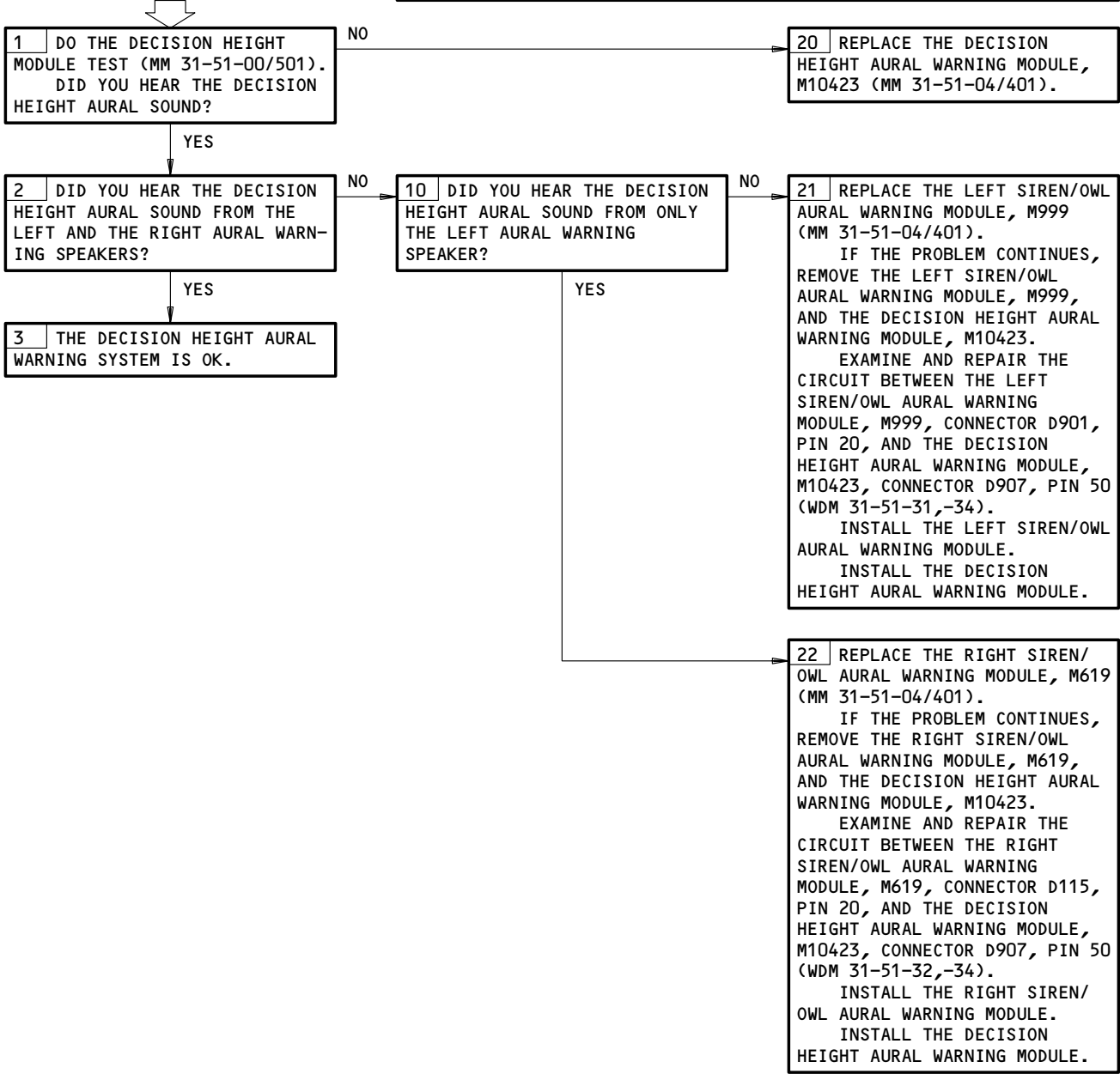
31-51-00

**DECISION HEIGHT  
AURAL WARNING  
PROBLEMS**

**PREREQUISITES**

MAKE SURE THESE CIRCUIT BREAKERS ARE CLOSED:  
11B16, 11B18, 11E4, 11F5, 11F20, 11H35, 11J33

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



Decision Height Aural Warning Problems  
Figure 111

EFFECTIVITY  
GUI 009

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