Scandinavian Airlines System

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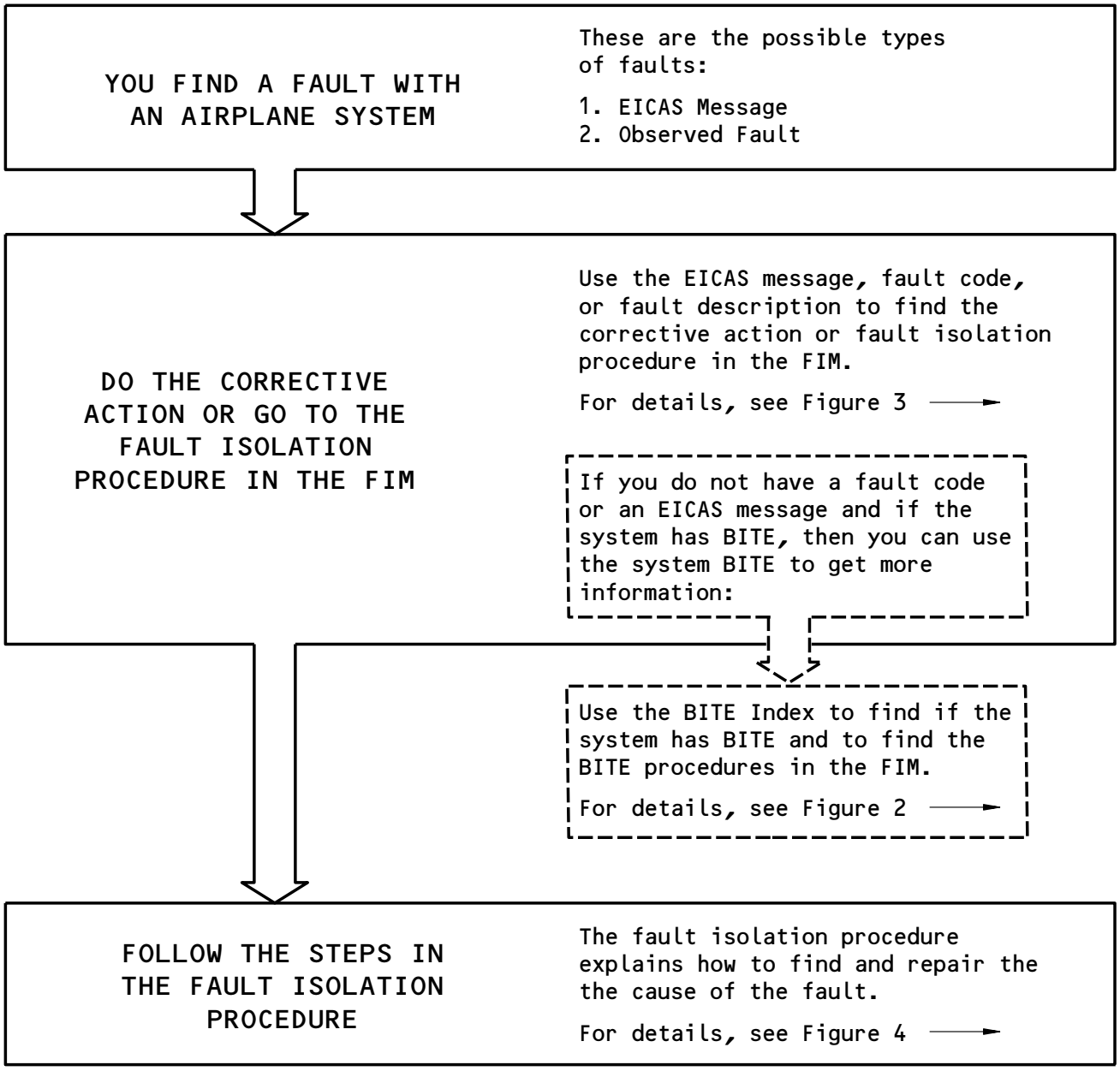
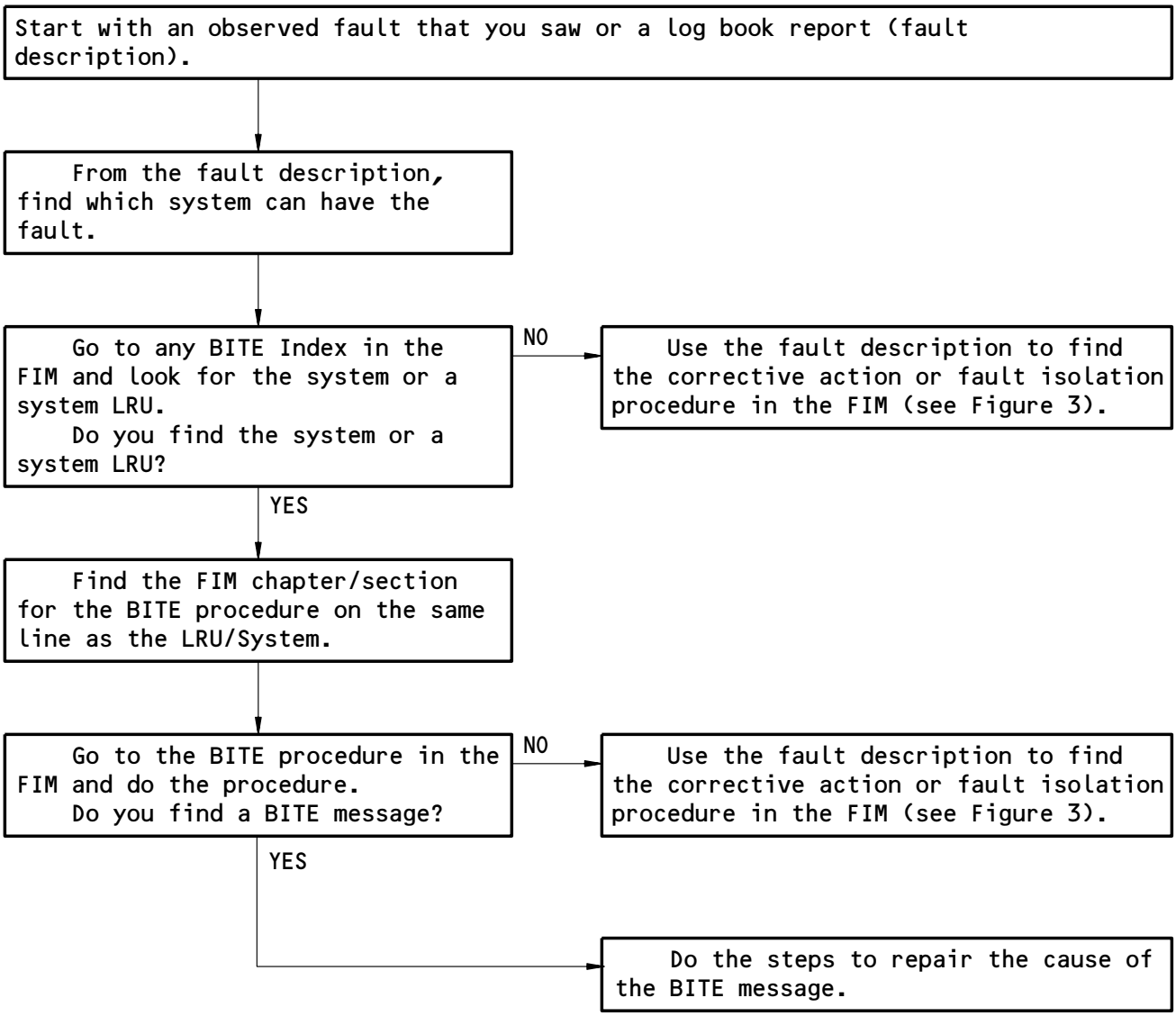


Basic Fault Isolation Process
Figure 1

K37676



How to Get Fault Information from BITE
Figure 2

IF YOU HAVE:	THEN DO THIS TO FIND THE CORRECTIVE ACTION OR FAULT ISOLATION PROCEDURE IN THE FIM:
FAULT CODE	1. The first two digits of the fault code are the FIM chapter that you need. Go to the Fault Code Index in that chapter and find the fault code. 2. Find the Fault Isolation Reference for the fault code and do the corrective action. If there is a FIM reference, then go to that fault isolation procedure in the FIM and do the steps in the procedure (see Figure 4).
EICAS MESSAGE TEXT (with no fault code)	1. If you know the chapter of the EICAS message, then go to the EICAS Messages section in that chapter and find the EICAS message. If you do not know the chapter of the EICAS message, then do these steps: A. Go to FIM EICAS MESSAGE LIST and find the EICAS message in the table. NOTE: The list follows the INTRODUCTION to the FIM. B. Find the chapter number on the same line as the EICAS message. Go to the EICAS Messages section in that chapter and find the EICAS message. 2. Do the corrective action in the "Procedure" column for the EICAS message. If there is a FIM reference, then go to that fault isolation procedure in the FIM and do the steps in the procedure (see Figure 4).
OBSERVED FAULT DESCRIPTION	1. Go to the Fault Code Diagram for the problem in the applicable chapter. 2. Do the fault analysis on the diagram and find the fault code. 3. The first two digits of the fault code are the FIM chapter that you need. Go to the Fault Code Index in that chapter and find the fault code. 4. Find the Fault Isolation Reference for the fault code and do the corrective action. If there is a FIM reference, then go to that fault isolation procedure in the FIM and do the steps in the procedure (see Figure 4).

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

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

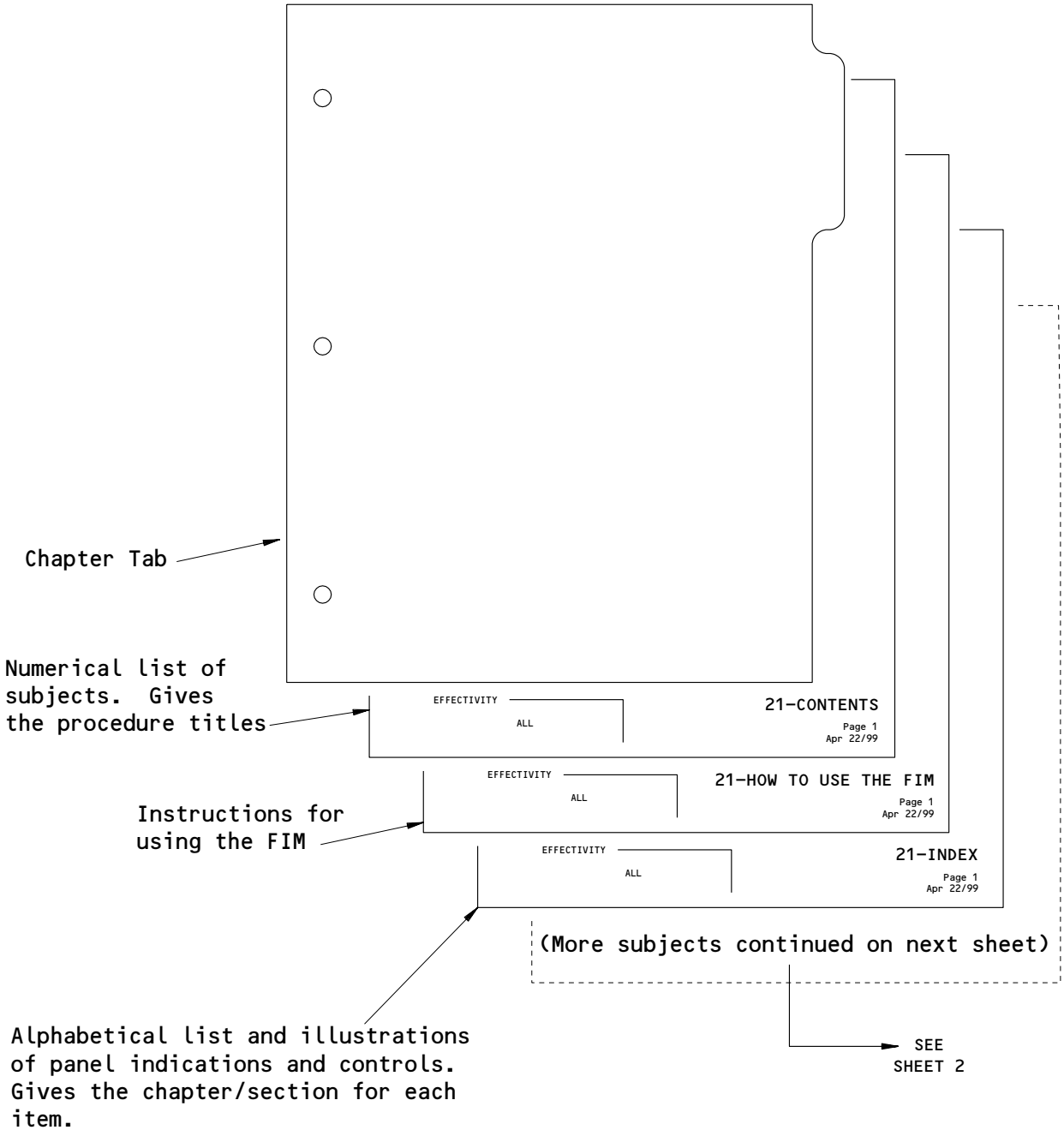
PREREQUISITES

- 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

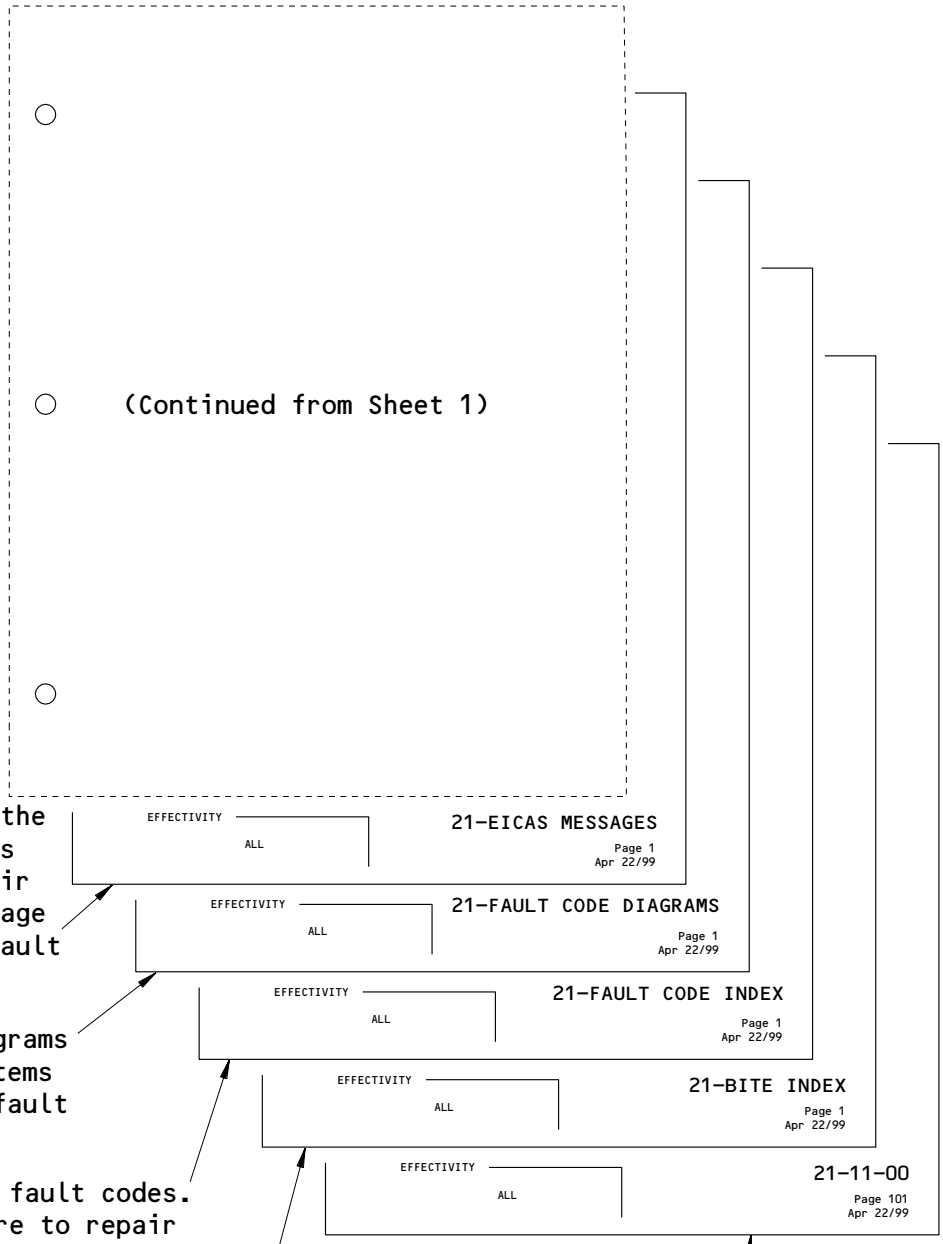


Subjects in Each FIM Chapter
Figure 5 (Sheet 1)

EFFECTIVITY
ALL

31-HOW TO USE THE FIM

K37680



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.

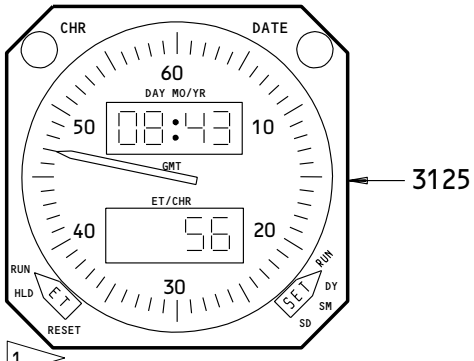
Alphabetical list of all the LRUs/systems that have BITE. Gives the chapter/section for the BITE procedure.

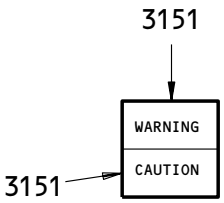
Component index, component location, and fault isolation procedures for the systems in the chapter.

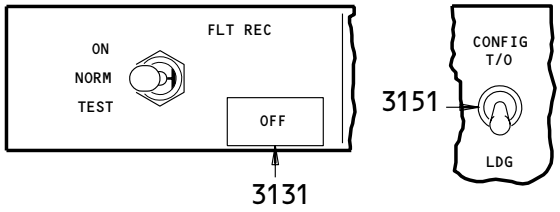
Subjects in Each FIM Chapter
Figure 5 (Sheet 2)

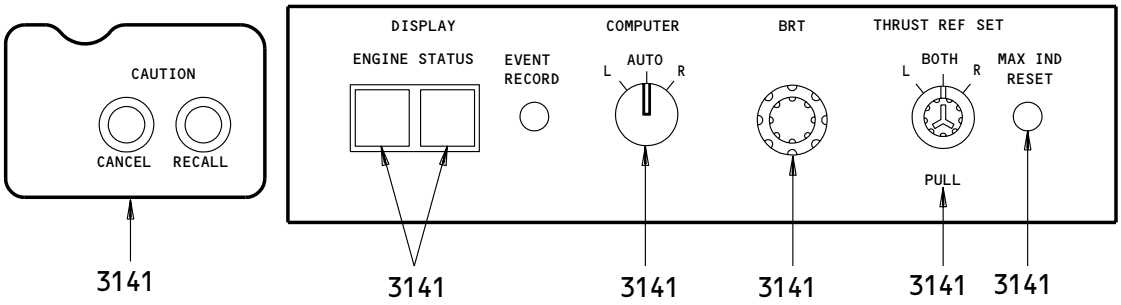
K37681

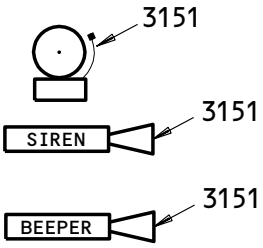
INDICATING/RECORDING SYSTEMS – INDEX

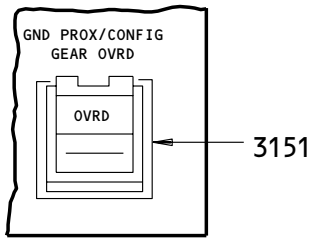


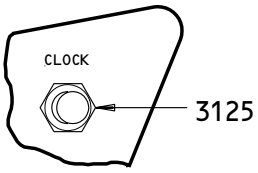


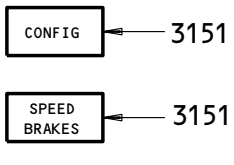


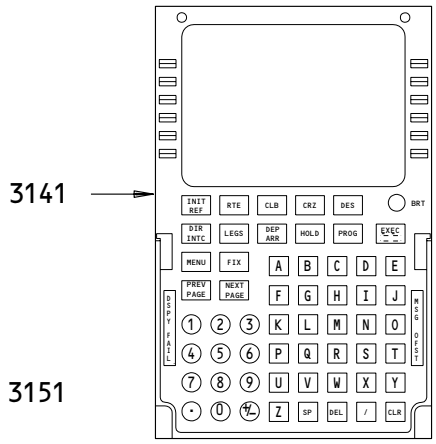


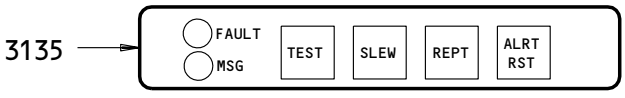












1 AS INSTALLED

INDICATING/RECORDING SYSTEMS – INDEX

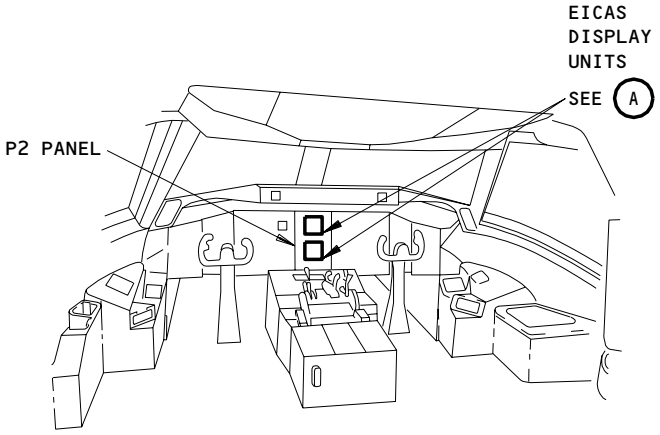
EFFECTIVITY

ALL

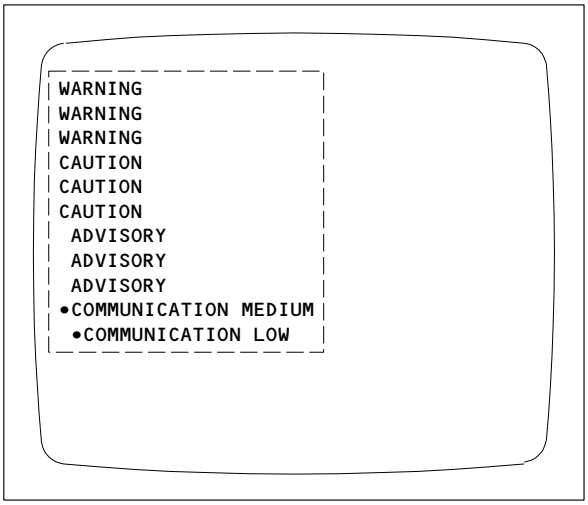
AD1246

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
            E - Communication (medium) messages
            F - Communication (low) 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

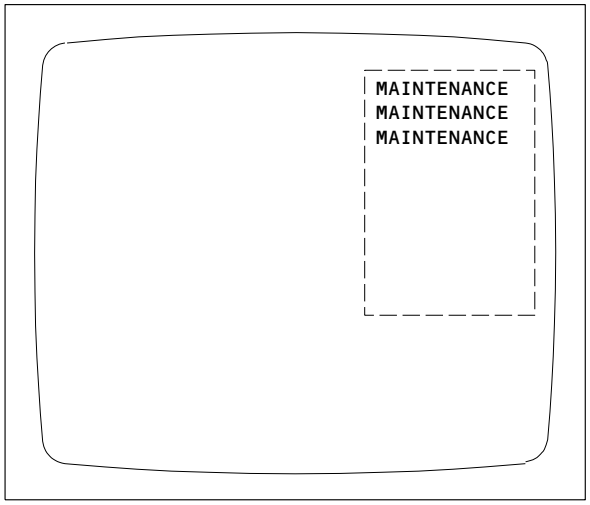


FLIGHT COMPARTMENT



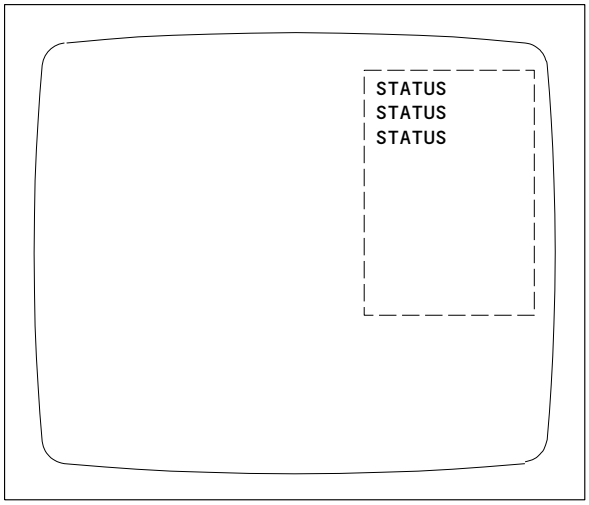
ENGINE PRIMARY PAGE OR COMPACTED PAGE
(TOP DISPLAY UNIT)

A



ECS/MSG PAGE
(BOTTOM DISPLAY UNIT)

A



STATUS PAGE
(BOTTOM DISPLAY UNIT)

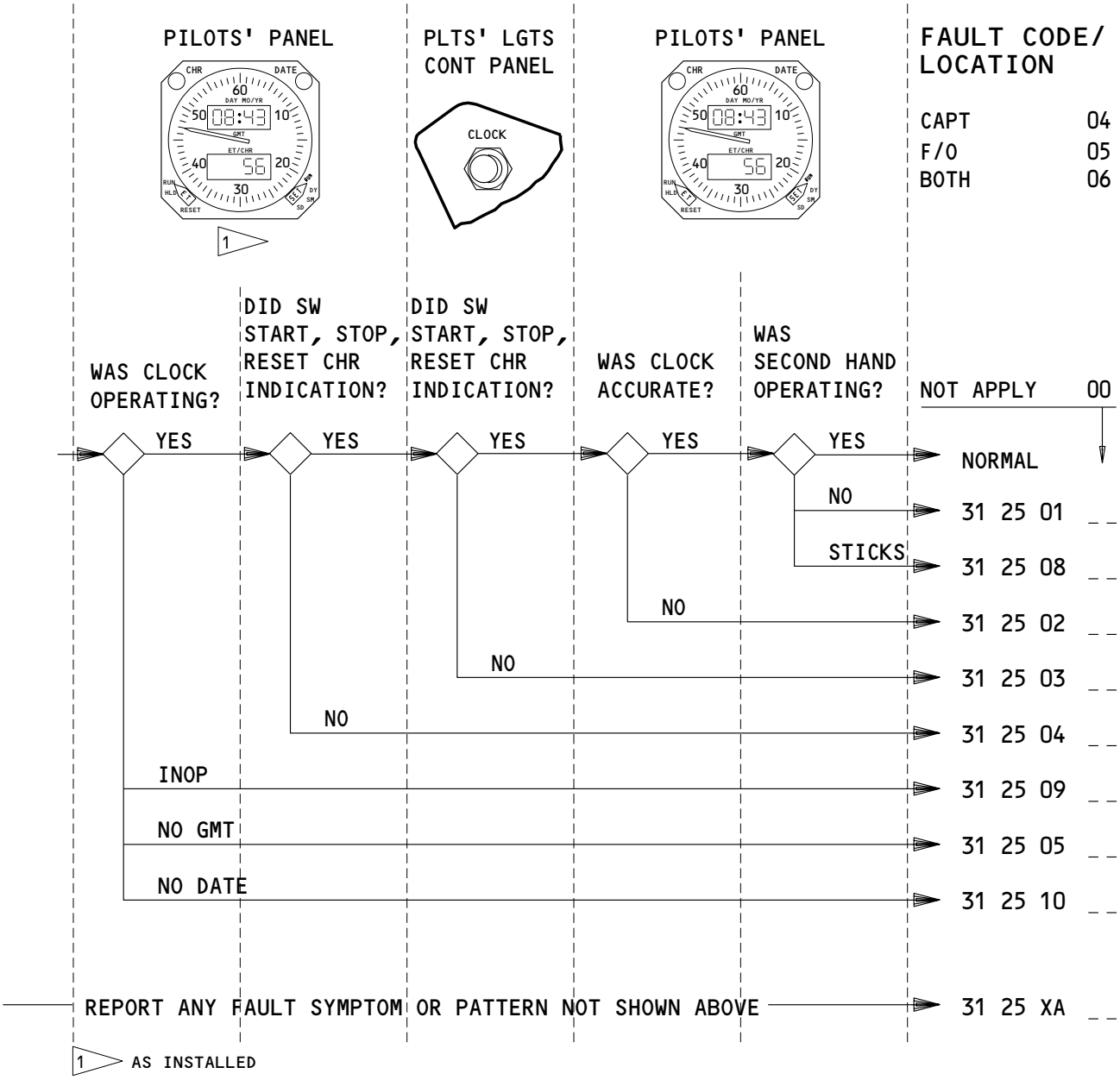
A

LEVEL	COLOR
A–WARNING	RED
B–CAUTION	YELLOW
C–ADVISORY	YELLOW
E–COMMUNICATION MEDIUM	WHITE
F–COMMUNICATION LOW	WHITE
S–STATUS	WHITE
M–MAINTENANCE	WHITE

EICAS Message Locations
Figure 1

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 SCC	S,M	Do a check for a nusiance EICAS message: Put the EICAS computer select switch to an alternative position. If the message does not show, it was a nuisance message. Open and close the circuit breaker to the EICAS computer that had the message. If the message remains, replace the EICAS signal consolidation card (AMM 31-41-07/401).
EICAS SCC I/F	S,M	Do a check for a nuisance EICAS message: Put the EICAS computer select switch to an alternative position. If the message does not show, it was a nuisance message. Open and close the circuit breaker to the EICAS computer that had the message. If the message remains, remove the EICAS signal consolidation card (AMM 31-41-07/401). Remove the left and right EICAS computers (AMM 31-41-02/401). Examine and repair the data bus circuit from connector D2261, pins 42 and 43, to connectors D881E and D883E, pins F1 and F2 (WDM 31-41-35).
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. 107
FLT DATA ACQ	S,M	FIM 31-31-00/101, Fig. 104

EICAS MESSAGE LIST		
EICAS MESSAGE	LEVEL	PROCEDURE
FLT DATA REC	S,M	FIM 31-31-00/101, Fig. 104
GEAR NOT DOWN	A	FIM 31-51-00/101, Fig. 109A, FIM 31-51-00/101, Fig. 109B
(L,R) EICAS CMPTR	S	FIM 31-41-00/101, Fig. 103
PARKING BRAKE	A	FIM 31-51-00/101, Fig. 109
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. 108
SPOILERS	C,S,M	Go to 27-EICAS MESSAGES
STABILIZER	A	FIM 31-51-00/101, Fig. 106
WARN ELEX	S,M	Push the WEU BITE Module RESET switch if a PSU failure indicator shows yellow. If the message stays, open and close the applicable circuit breaker on the P11 panel, WARN ELEX A (11J33) or B (11B18). Push the WEU BITE Module RESET switch on the PSU that shows the yellow fault indicator (PSU A, M616, or PSU B, M621). If the message stays, replace the same PSU (AMM 31-51-04/401). If the problem continues, do the procedure "EICAS Message WARN ELEX Shown" (FIM 31-51-00/101, Fig. 105).



APPLICABLE CIRCUIT BREAKERS AS INSTALLED

6G3	L CLOCK TIME BASE	11J9	CLOCK IND L
6G4	R CLOCK TIME BASE	11J36	CLOCK IND R
11B17	CLOCK IND L		

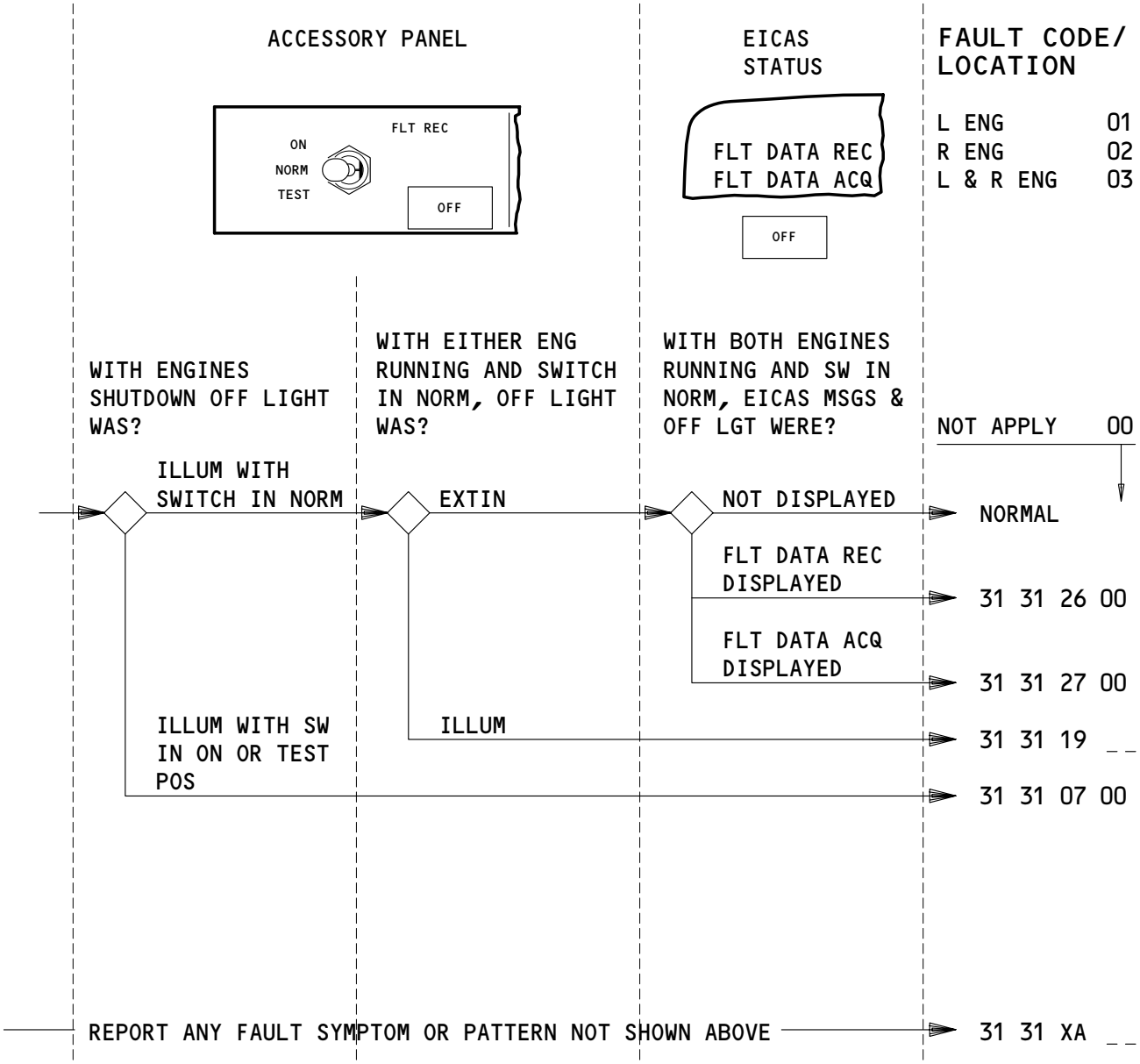
CLOCK – FAULT CODES

EFFECTIVITY

ALL

31-FAULT CODE DIAGRAM

F94547



APPLICABLE CIRCUIT BREAKERS

11J7	FLIGHT RECORDER AC
11J8	FLIGHT RECORDER DC

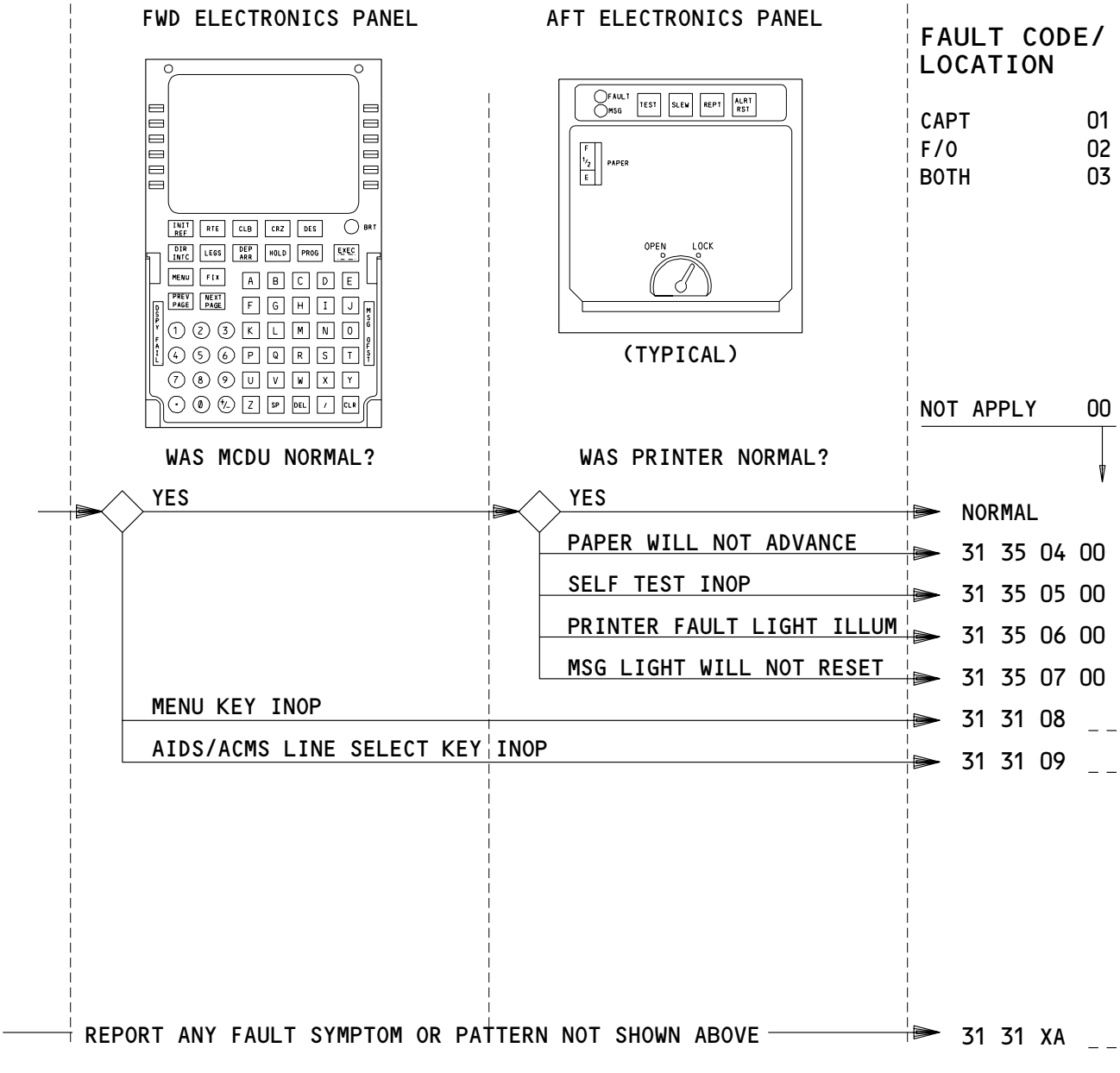
FLIGHT RECORDER – FAULT CODES

EFFECTIVITY

ALL

31-FAULT CODE DIAGRAM

93686



APPLICABLE CIRCUIT BREAKERS AS INSTALLED

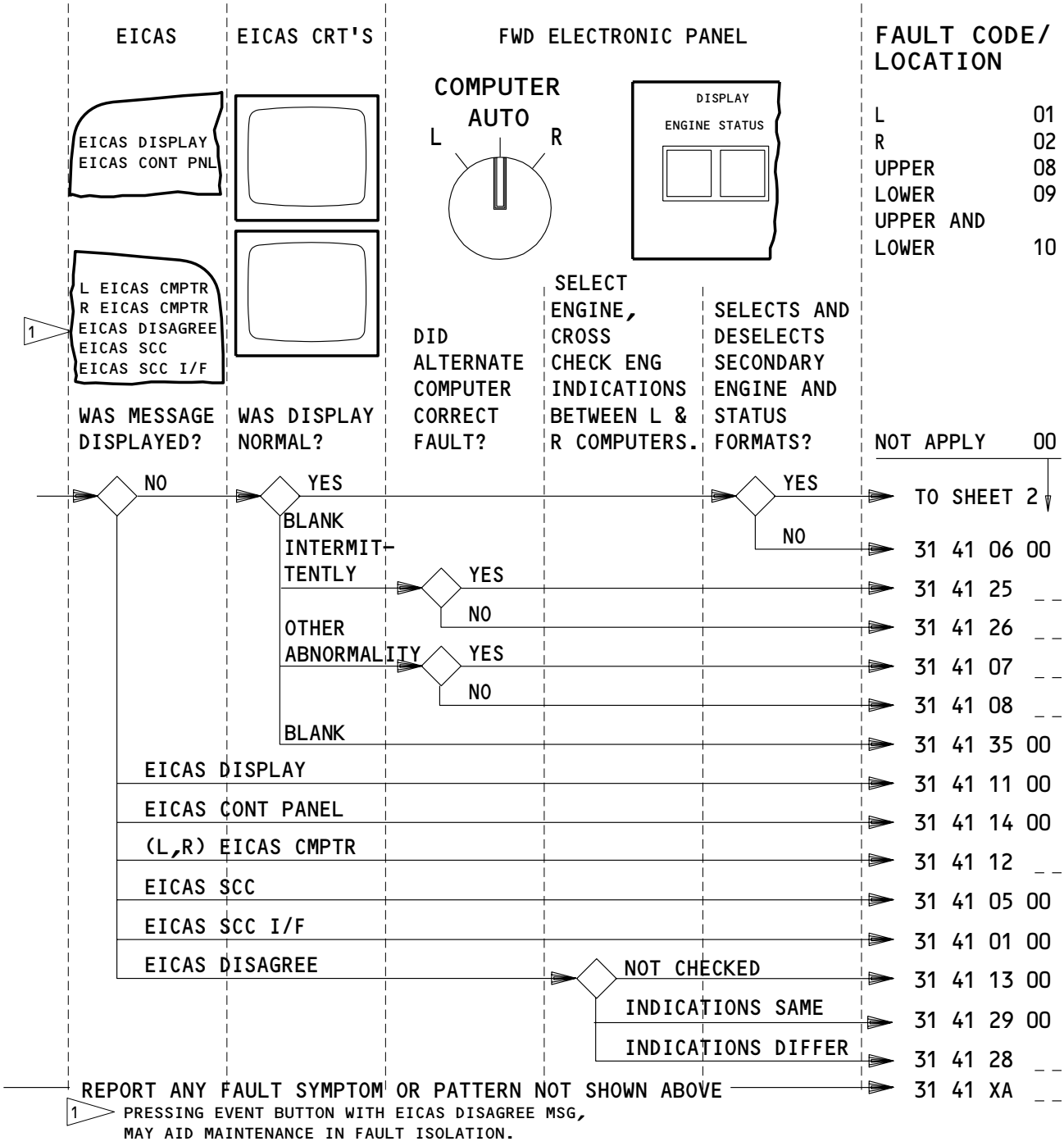
11J1	PRINTER
11J4	ACMS AC
11J6	ACMS (FLIGHT RECORDER) SENSOR

ACMS – FAULT CODES

EFFECTIVITY
AIRPLANES WITH MCDU

31-FAULT CODE DIAGRAM

A64529



APPLICABLE CIRCUIT BREAKERS

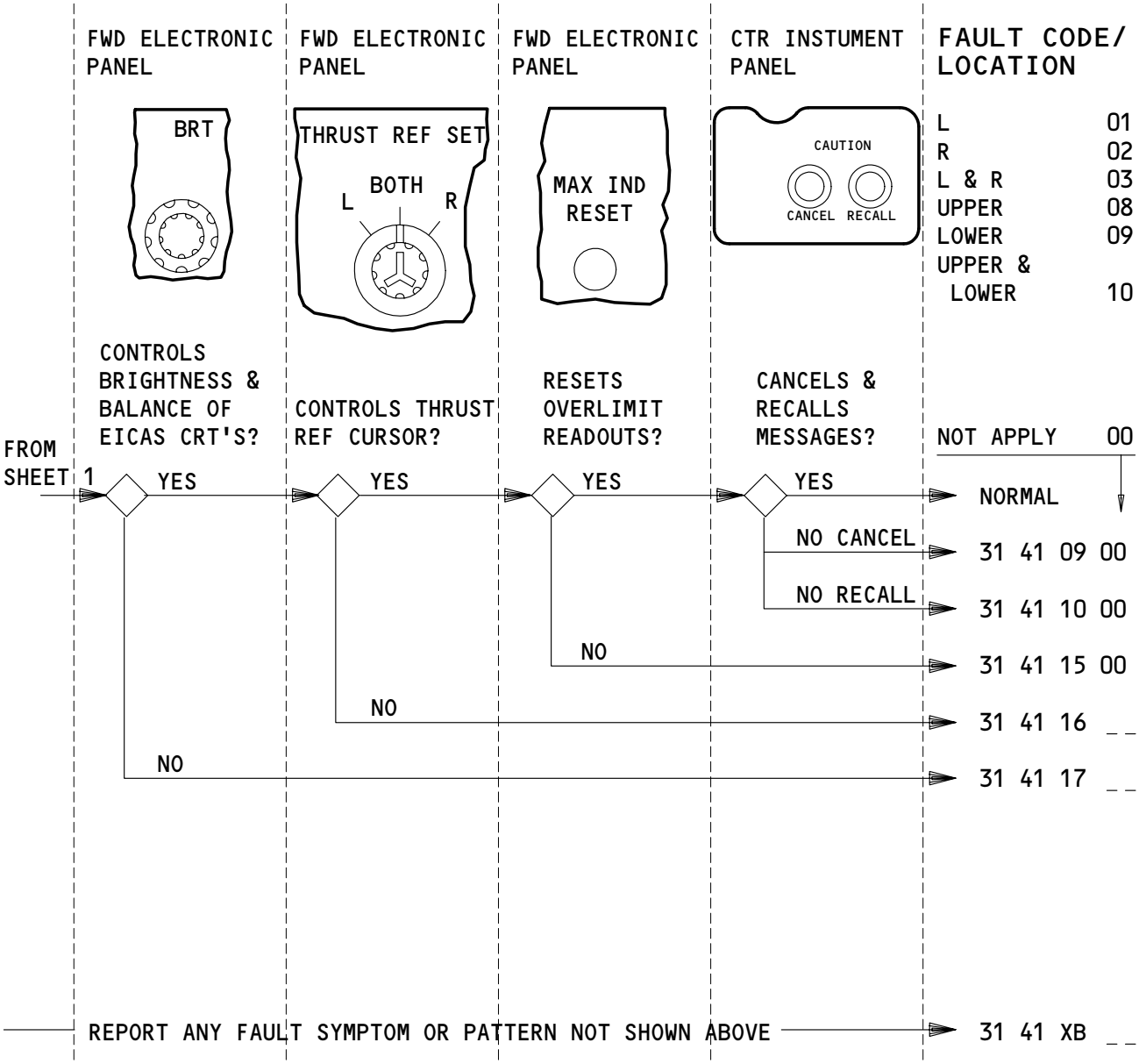
11J2	EICAS CMPTR L	11J30	EICAS LOWER DSPL
11J3	EICAS UPPER DSPL	11J31	EICAS DSPL SW
11J29	EICAS CMPTR R	11J32	EICAS DSPL SELECT

EICAS (SHEET 1) - FAULT CODES

EFFECTIVITY
ALL

31-FAULT CODE DIAGRAM

U53595



APPLICABLE CIRCUIT BREAKERS

11J2	EICAS CMPTR L	11J30	EICAS LOWER DSPL
11J3	EICAS UPPER DSPL	11J31	EICAS DSPL SW
11J29	EICAS CMPTR R	11J32	EICAS DSPL SELECT

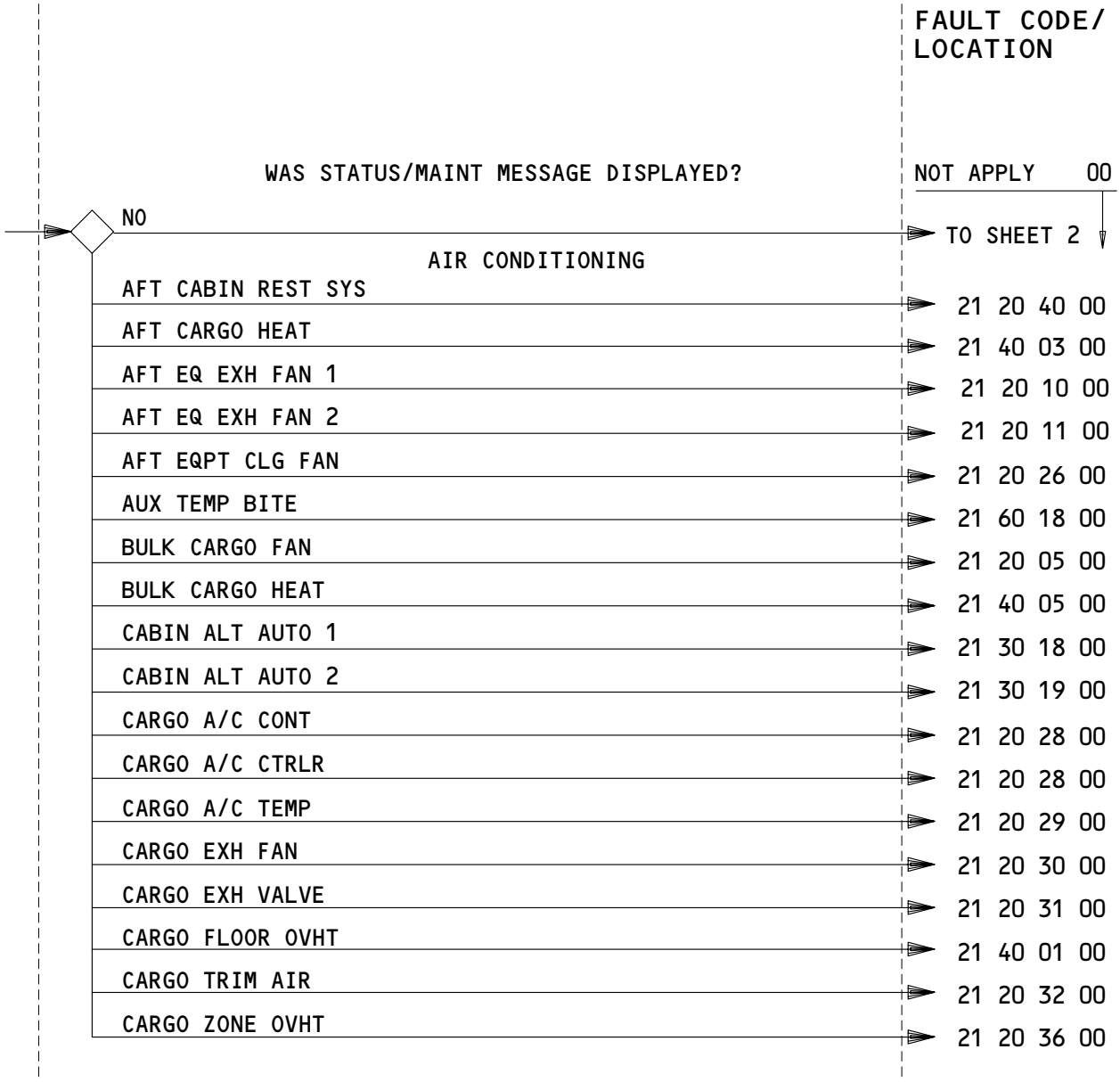
EICAS (SHEET 2) - FAULT CODES

EFFECTIVITY

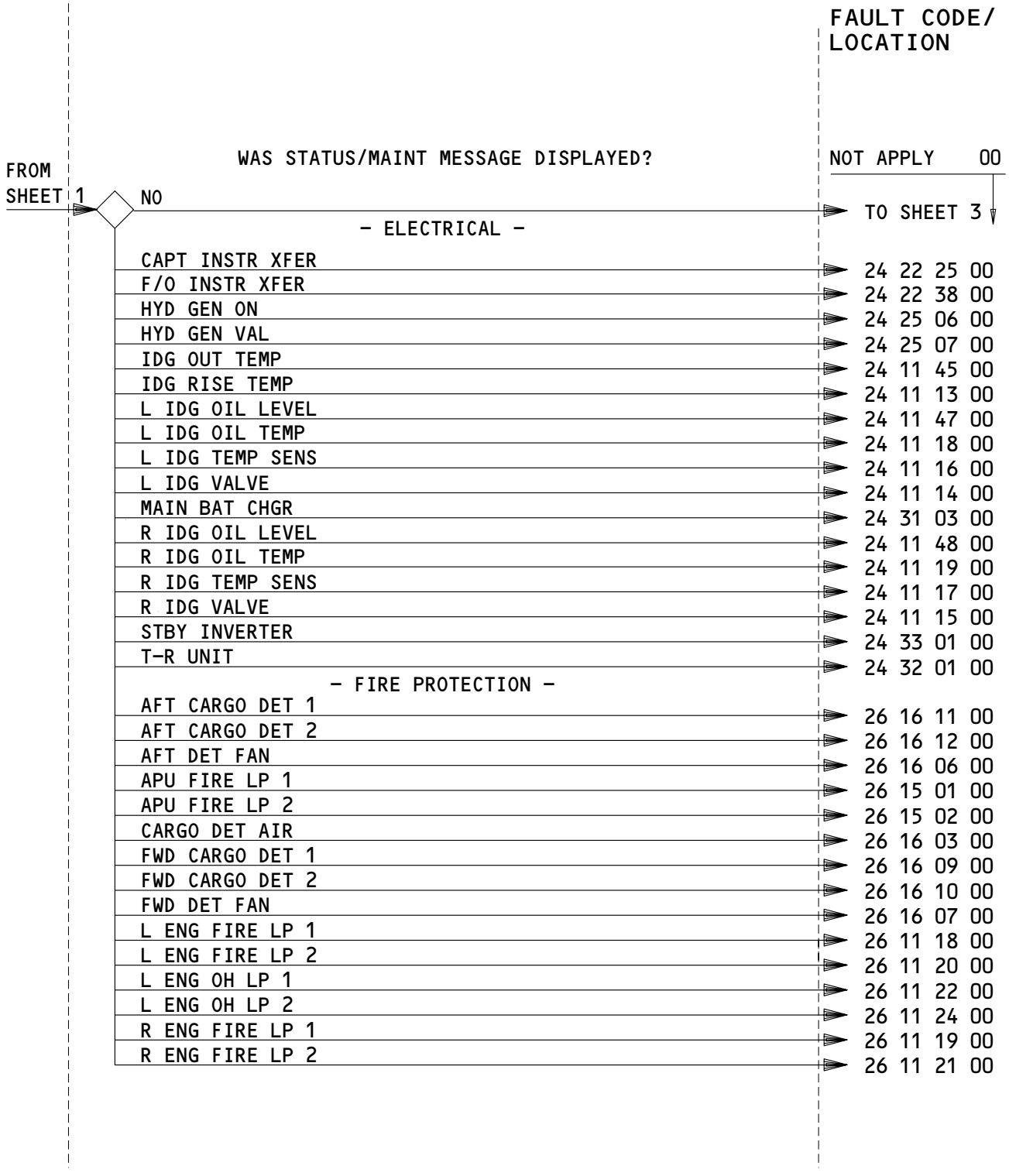
ALL

31-FAULT CODE DIAGRAM

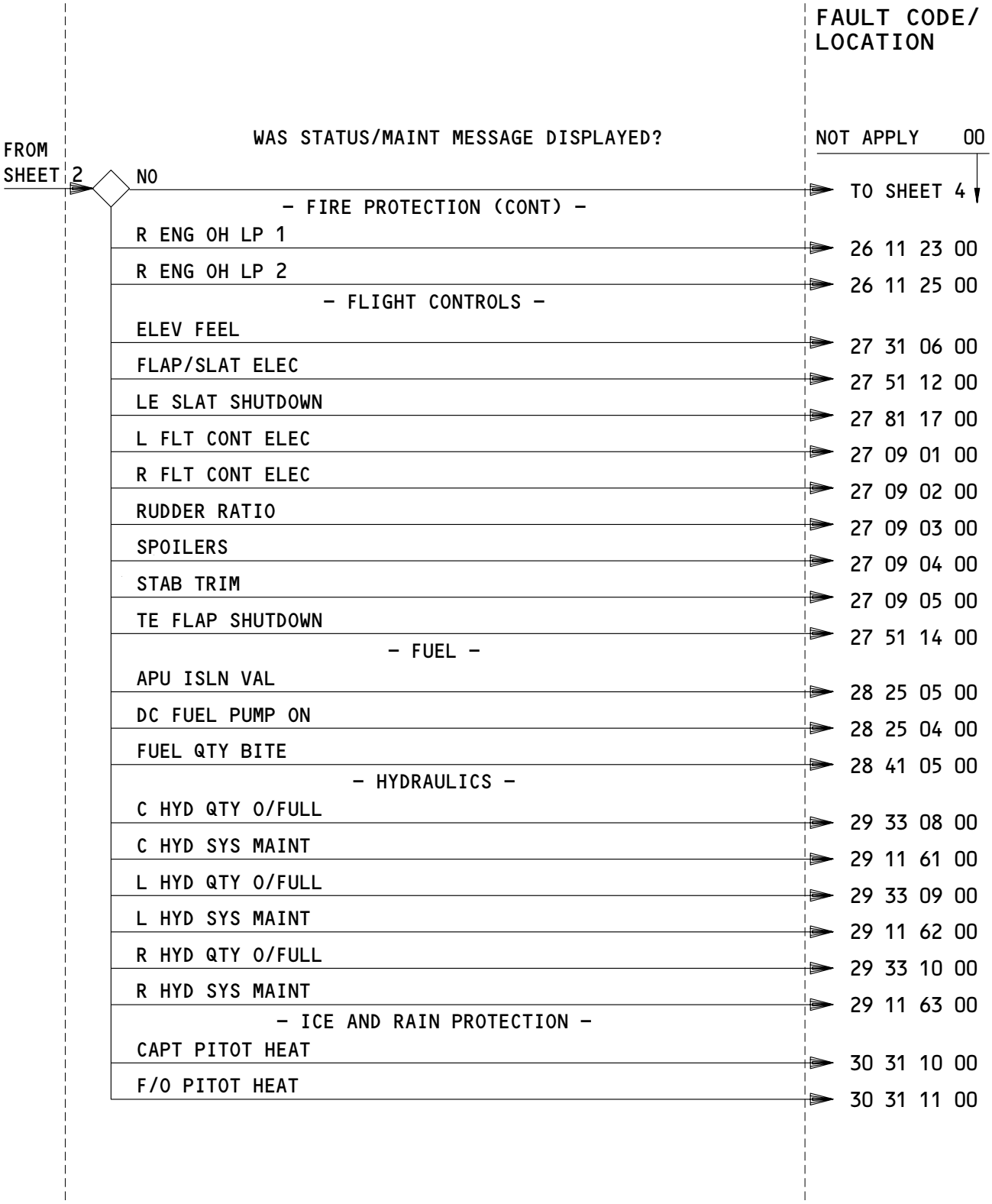
191623



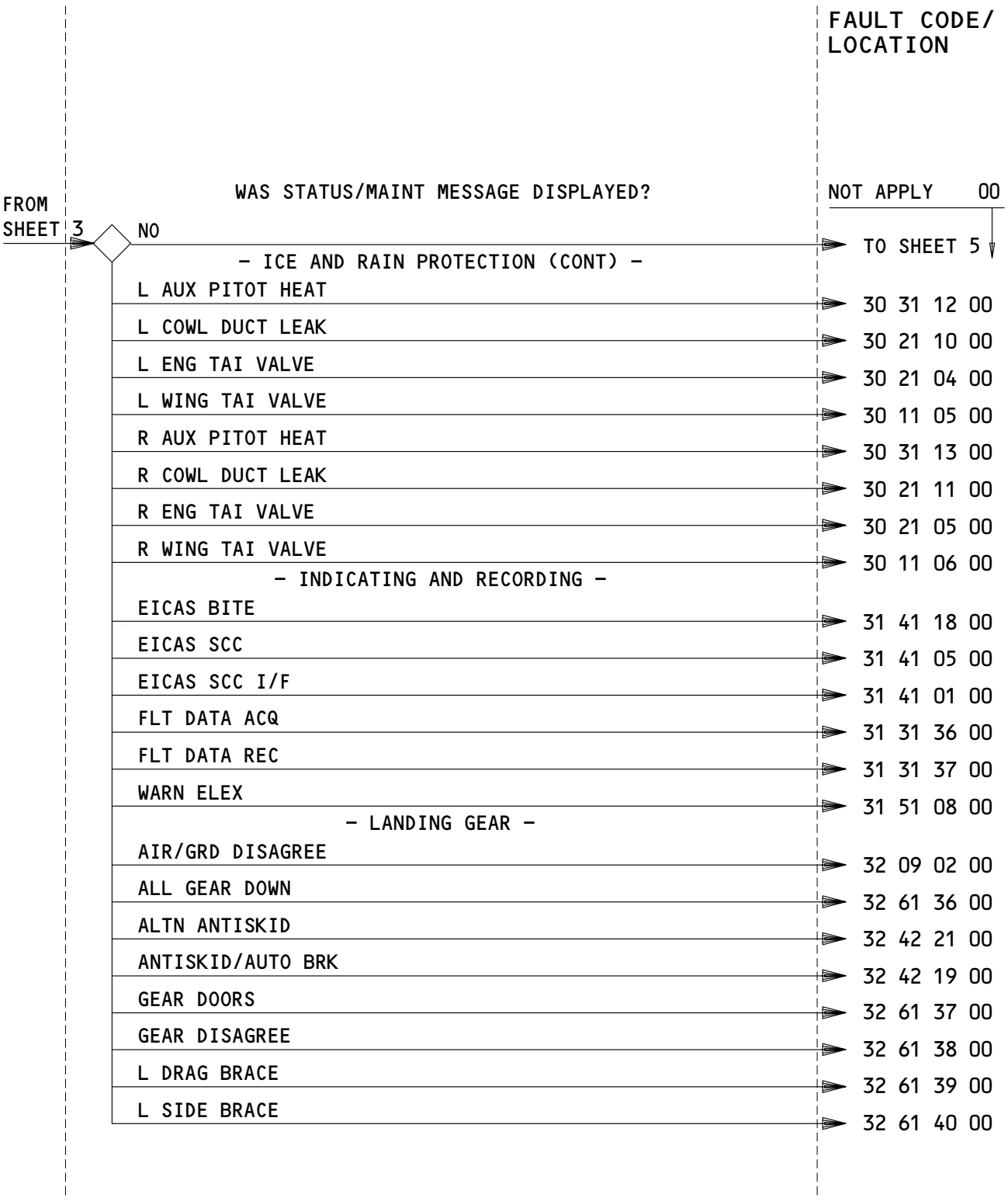
EICAS Status/Maintenance Messages – Fault Codes
Figure 4 (Sheet 1)



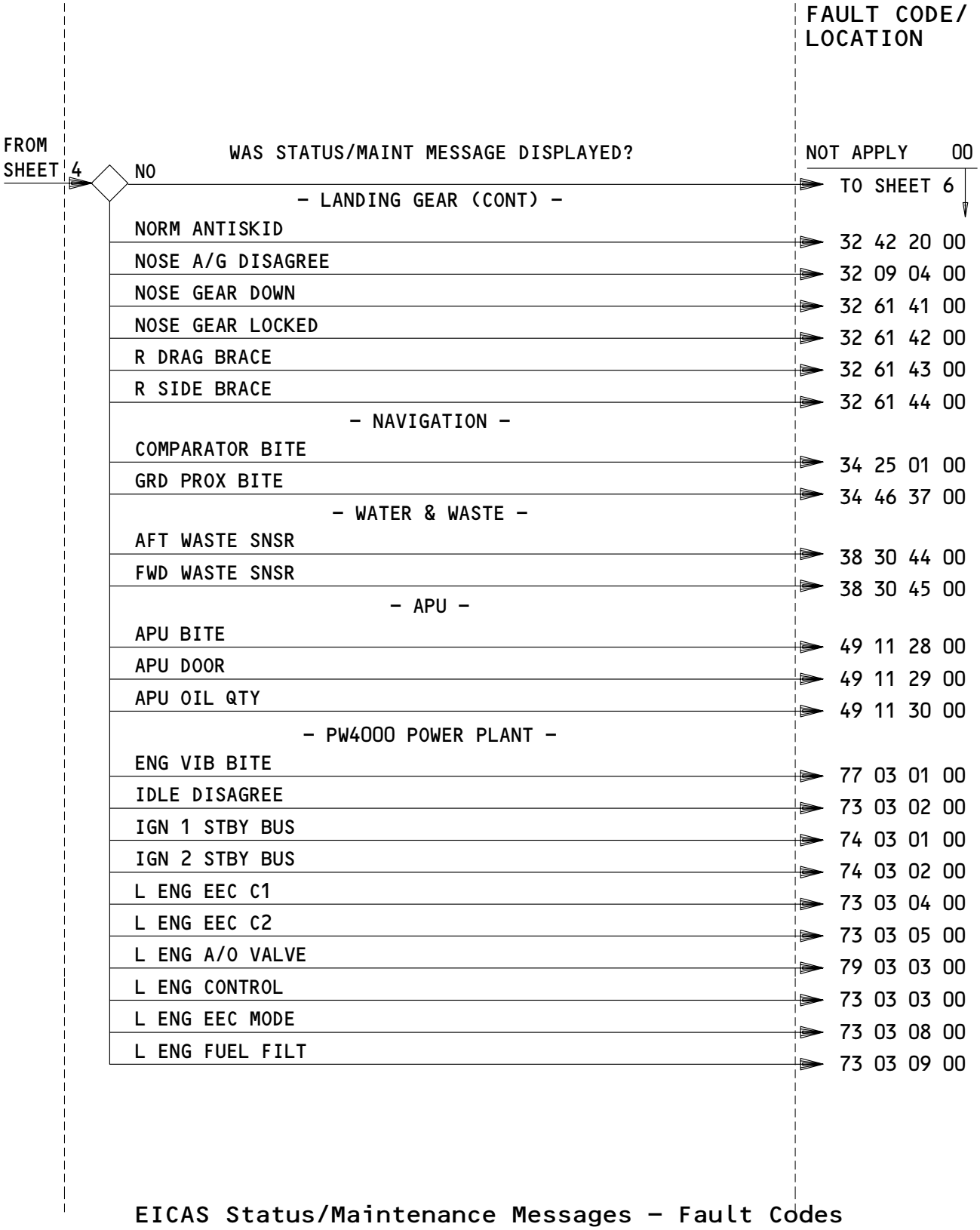
EICAS STATUS/MAINT MESSAGES (SHEET 2) – FAULT CODES



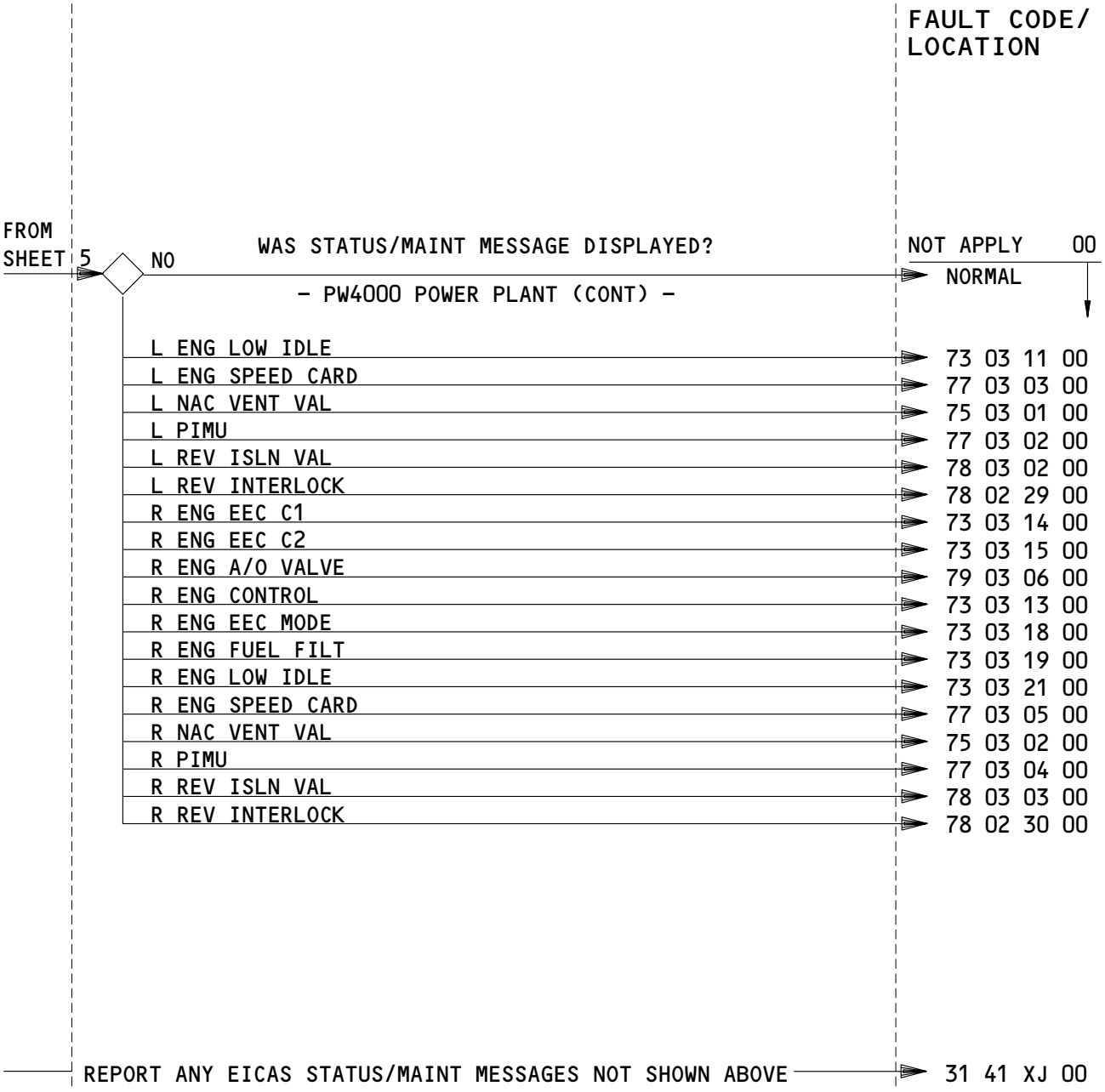
EICAS Status/Maint Messages – Fault Codes
Figure 4 (Sheet 3)



EICAS Status/Maintenance Messages – Fault Codes
Figure 4 (Sheet 4)



EICAS Status/Maintenance Messages – Fault Codes
Figure 4 (Sheet 5)



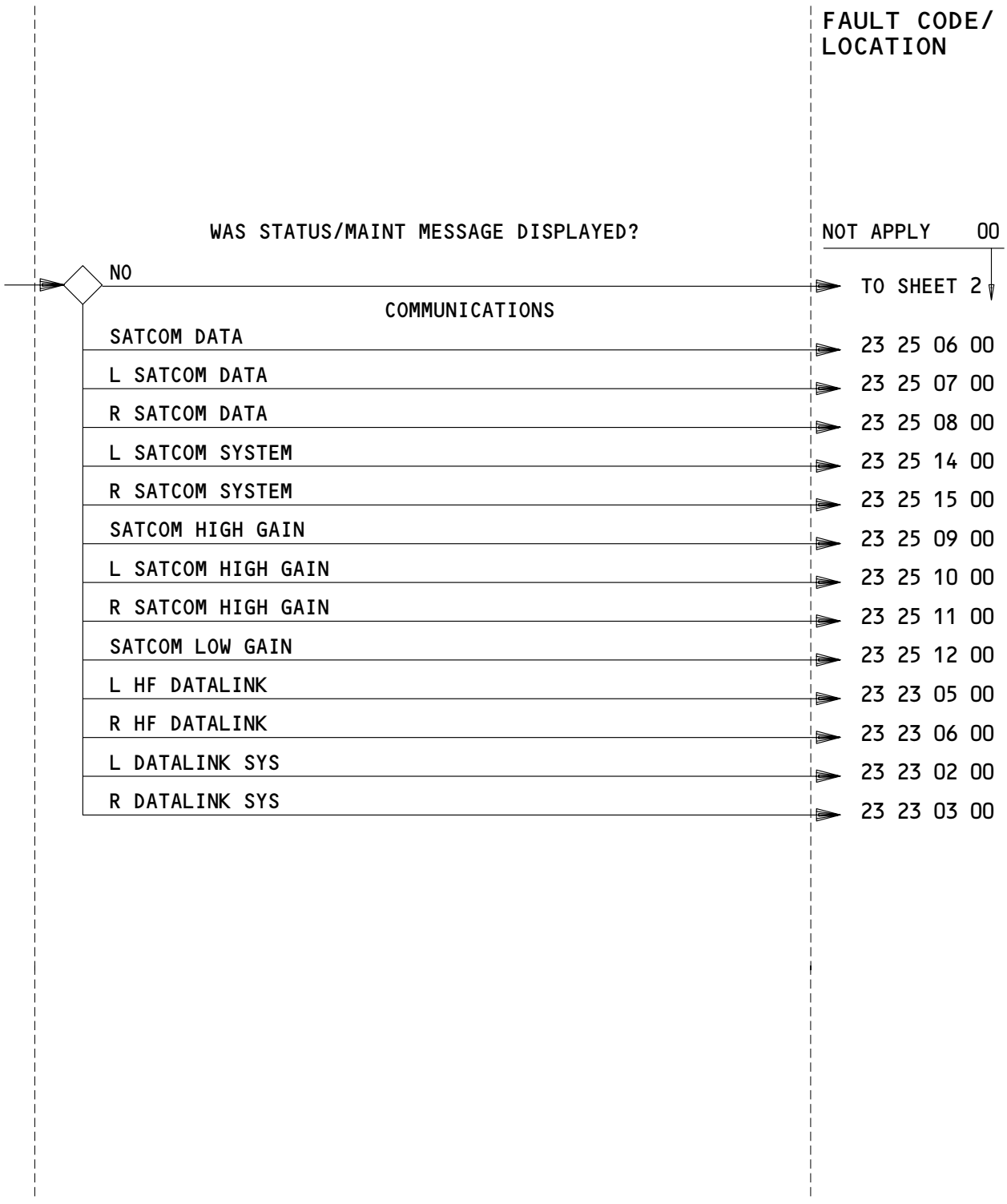
EICAS STATUS/MAINT MESSAGES (SHEET 6) – FAULT CODES

EFFECTIVITY

ALL

31-FAULT CODE DIAGRAM

F75111



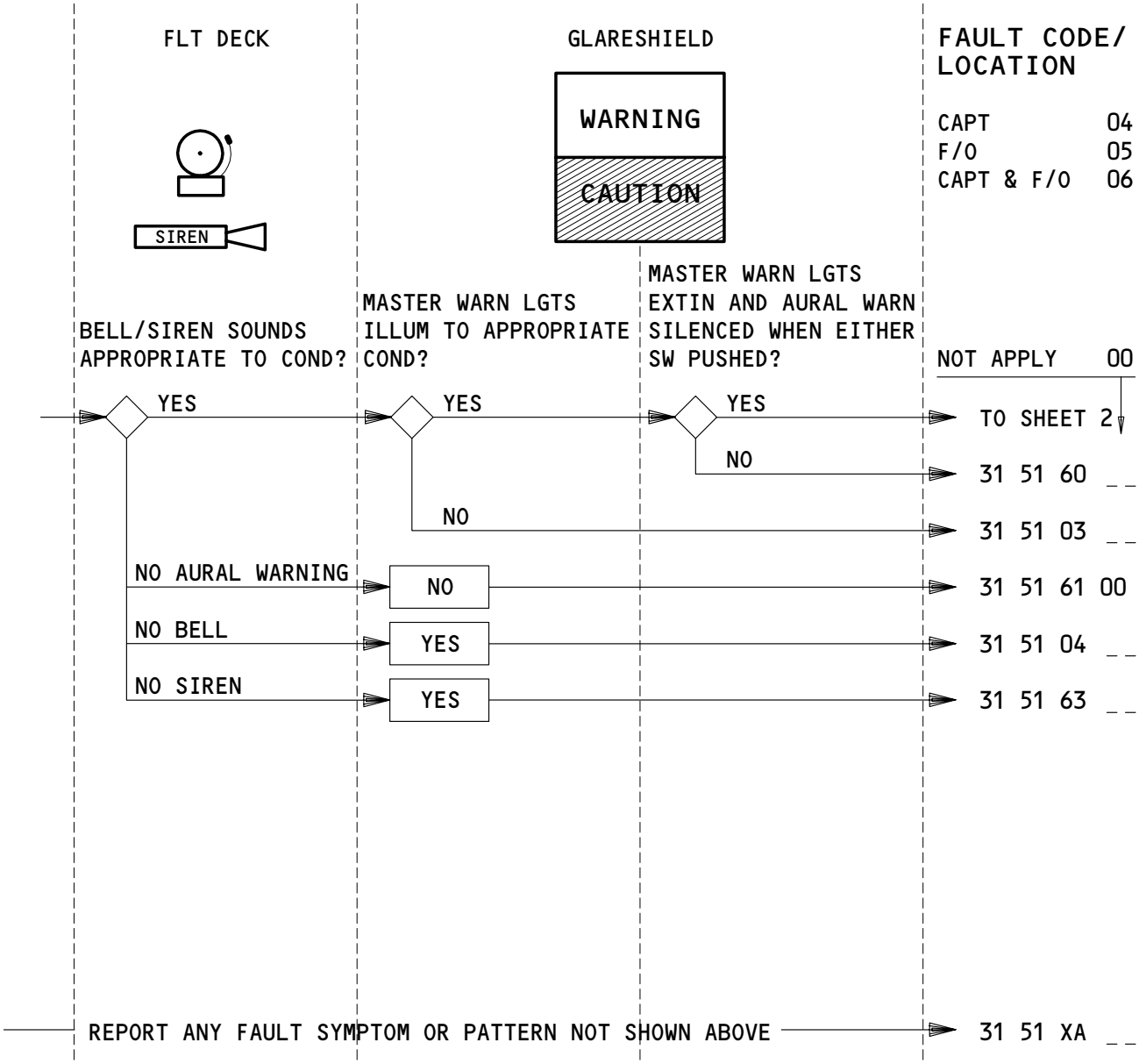
EICAS STATUS/MAINT MESSAGES – FAULT CODES

EFFECTIVITY

ALL

31-FAULT CODE DIAGRAM

L00883



APPLICABLE CIRCUIT BREAKERS

6J26	LIGHTING EQUIP BAT 1 PLT	11B18	WARN ELEX B
6J29	LIGHTING EQUIP BAT 2 PLT	11H35	AURAL WARN SPKR R
11A33	IND LIGHTS 1	11J34	WARN ELEX A
11A34	IND LIGHTS 2		
11B16	AURAL WARN SPKR L		

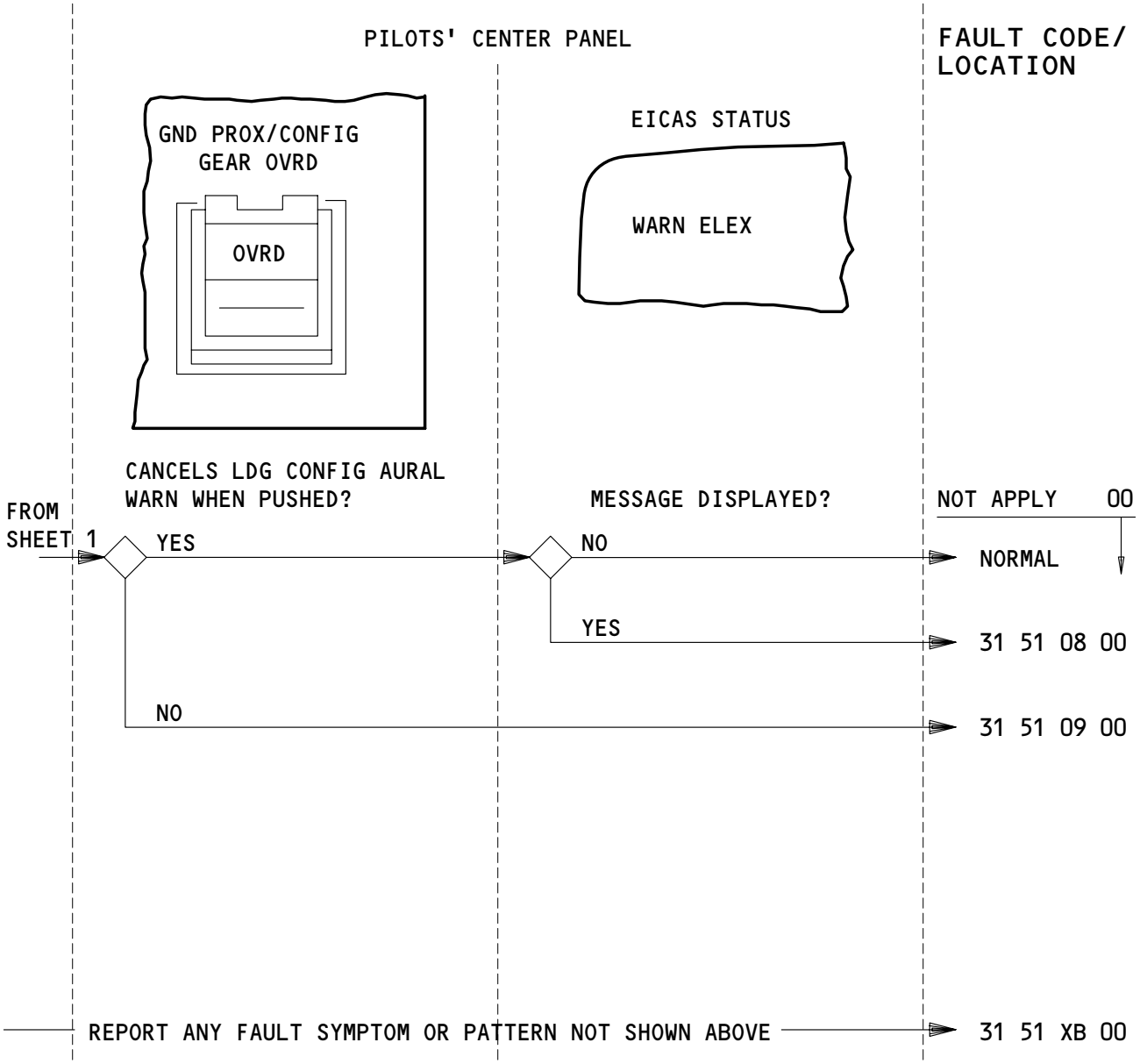
CAUTION & WARNING SYSTEM (WARNING) SHEET 1 – FAULT CODES

EFFECTIVITY

ALL

31-FAULT CODE DIAGRAM

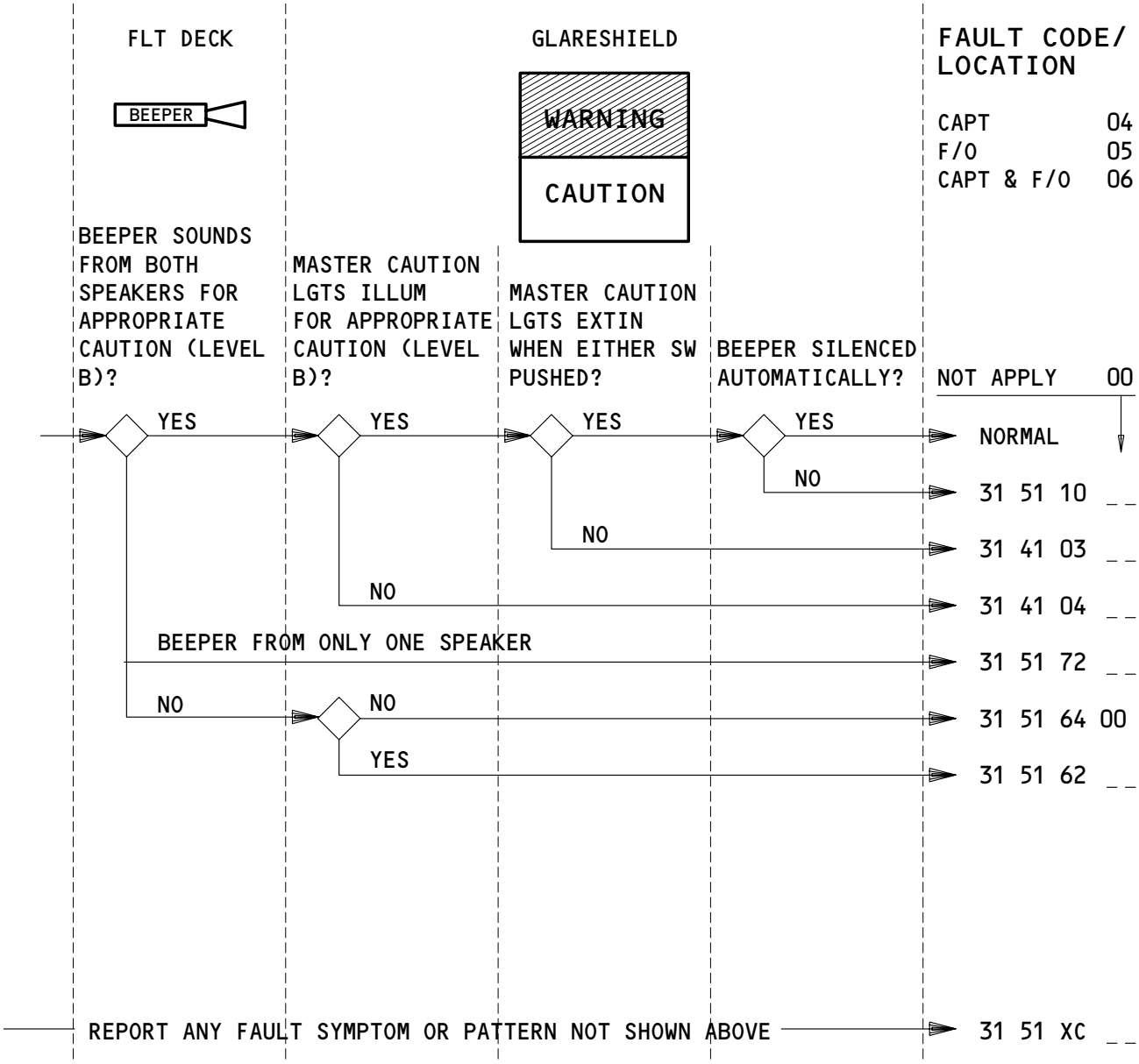
49263



APPLICABLE CIRCUIT BREAKERS

NONE

CAUTION & WARNING SYSTEM (WARNING) SHEET 2 – FAULT CODES



APPLICABLE CIRCUIT BREAKERS

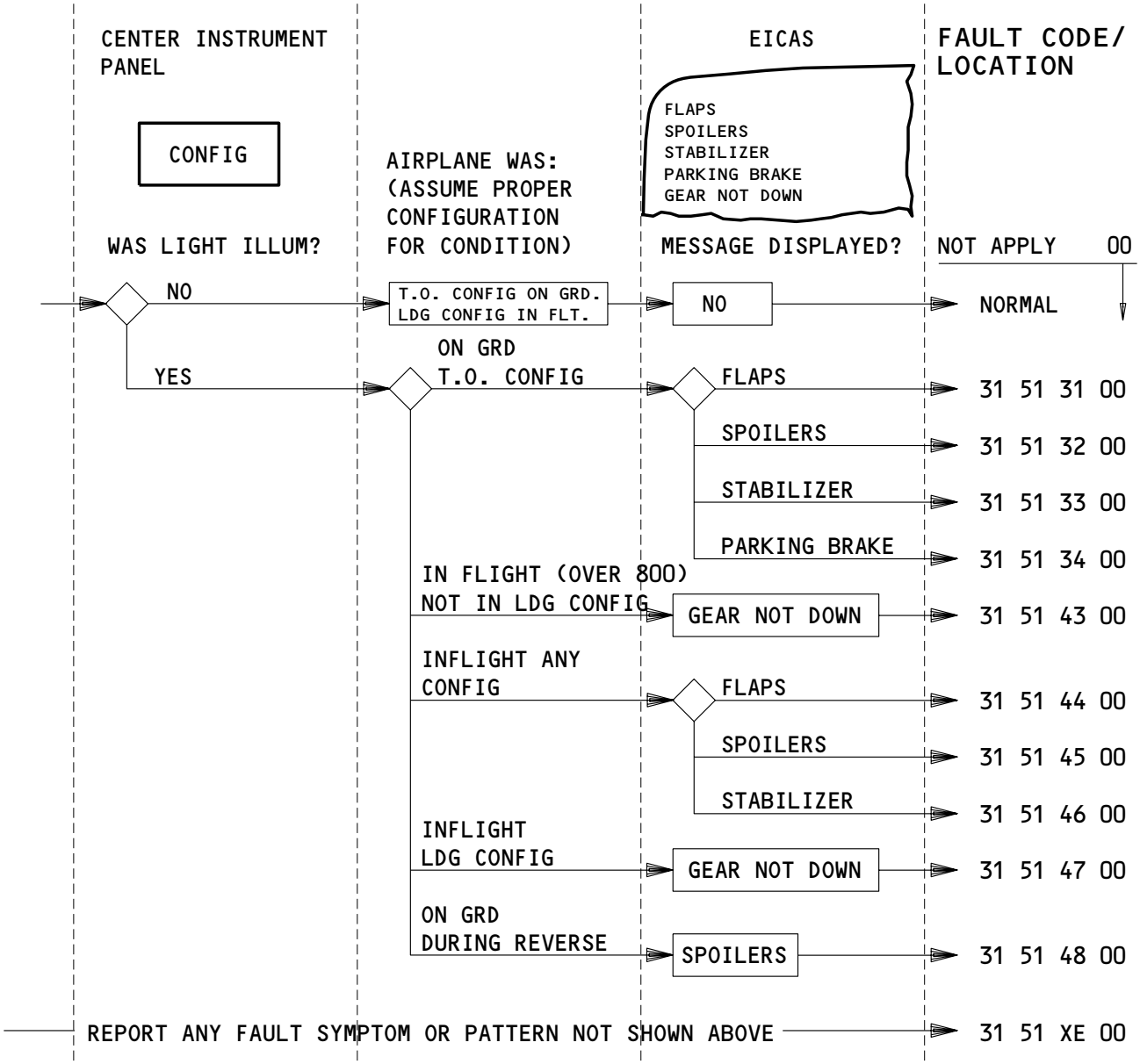
11B16	AURAL WARN SPKR L	11J34	WARN ELEX A
11B18	WARN ELEX B	11R3	LEFT IND LTS 3
11H35	AURAL WARN SPKR R	11R30	RIGHT IND LTS 3

CAUTION & WARNING SYSTEM (CAUTION) – FAULT CODES

EFFECTIVITY

ALL

31-FAULT CODE DIAGRAM



APPLICABLE CIRCUIT BREAKERS AS INSTALLED

11A35	IND LIGHTS 3	11F5	LEFT RAD ALTM
11A35	IND LGTS 3	11F5	RAD ALTM L
11B16	AURAL WARN SPKR L	11H35	AURAL WARN SPKR R
11B18	WARN ELEX B	11J34	WARN ELEX A

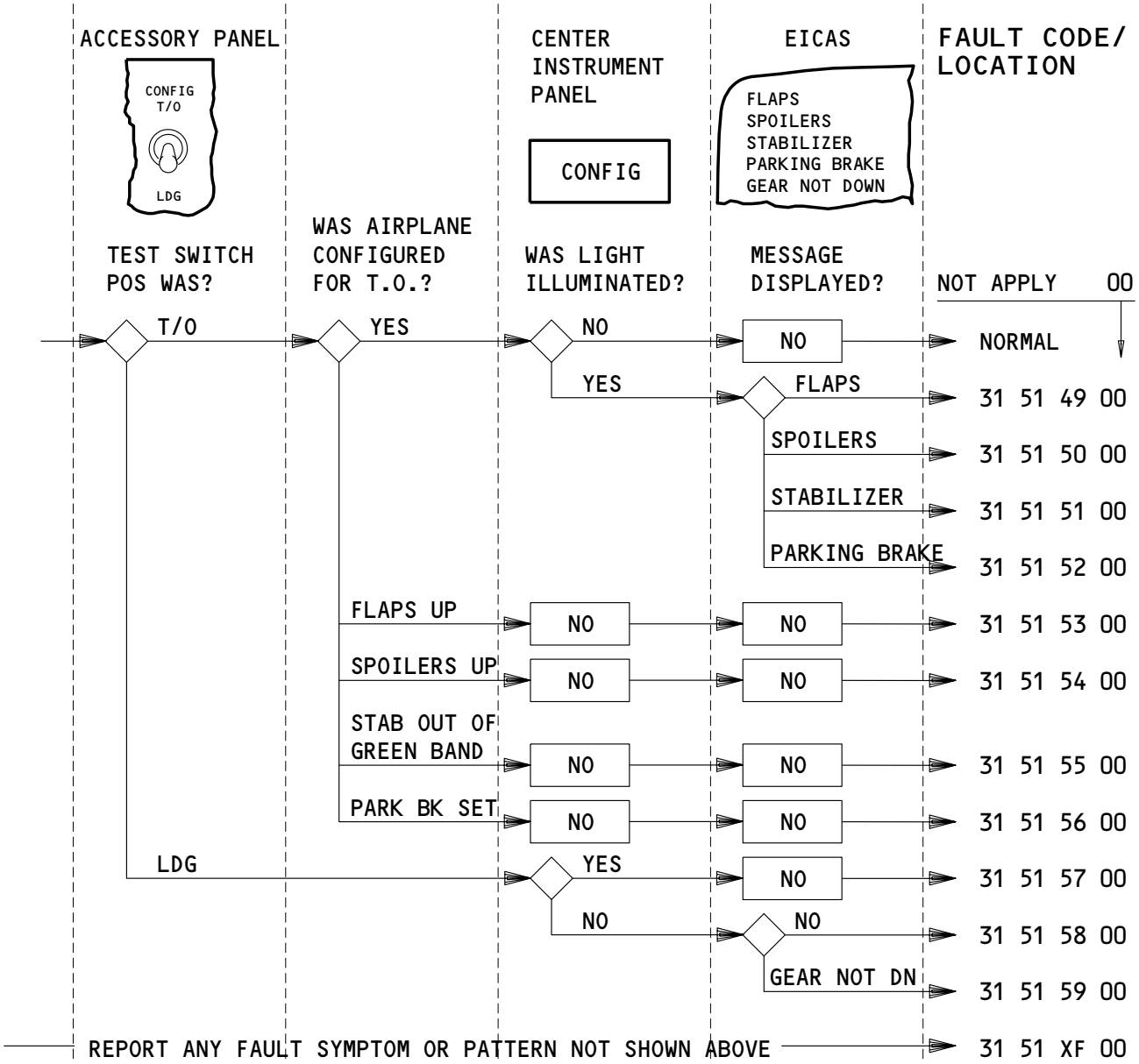
TAKEOFF/LANDING CONFIGURATION WARNING – FAULT CODES

EFFECTIVITY

ALL

31-FAULT CODE DIAGRAM

F94673



APPLICABLE CIRCUIT BREAKERS AS INSTALLED

11A35	IND LIGHTS 3	11F5	LEFT RAD ALTM
11A35	IND LGTS 3	11F5	RAD ALTM L
11B16	AURAL WARN SPKR L	11H35	AURAL WARN SPKR R
11B18	WARN ELEX B	11J34	WARN ELEX A

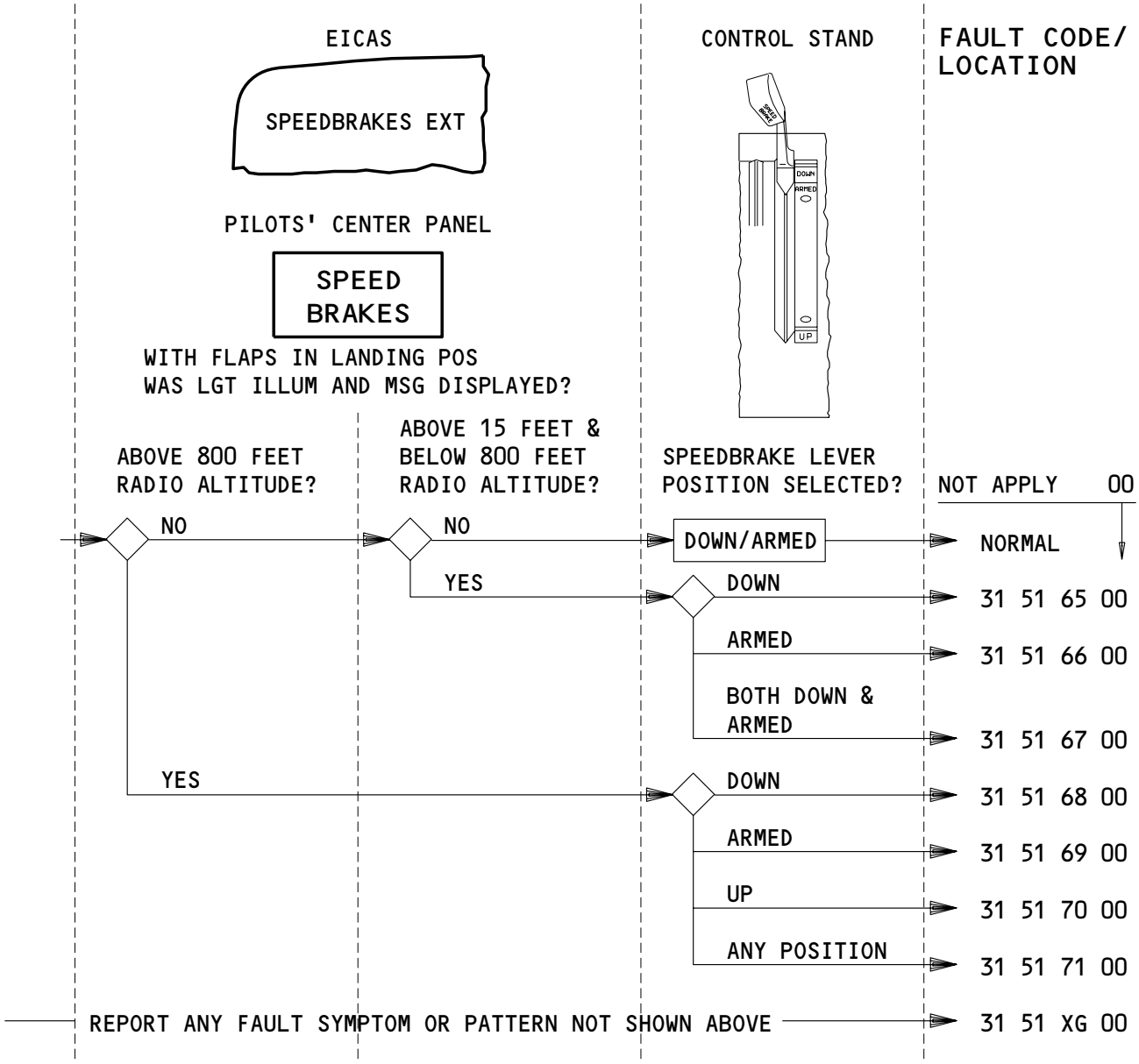
TAKEOFF/LANDING CONFIGURATION TEST – FAULT CODES

EFFECTIVITY

ALL

31-FAULT CODE DIAGRAM

F94675



APPLICABLE CIRCUIT BREAKERS AS INSTALLED

11A35	IND LIGHTS 3	11F5	LEFT RAD ALTM
11A35	IND LGTS 3	11F5	RAD ALTM L
11B16	AURAL WARN SPKR L	11H35	AURAL WARN SPKR R
11B18	WARN ELEX B	11J17	FLAP/STAB POS SENSING L
11C14	FLAP/STAB POS SENSING CTR	11J26	FLAP/STAB POS SENSING R
11C14	FLAP/STAB POS SENSING C	11J34	WARN ELEX A

SPEEDBRAKE LANDING CONFIGURATION WARNING – FAULT CODES

EFFECTIVITY

ALL

31-FAULT CODE DIAGRAM

FAULT CODE	1. LOG BOOK REPORT 2. FAULT ISOLATION REFERENCE
31 25 XA --	1. (01 = Capt, 02 = F/O) A clock problem was found by the flight crew which is not covered in the fault code diagrams. (Ref fault code diagram for flight crew actions). 2. SSM 31-25-01
31 31 XA 00	1. A problem was found by the flight crew which is not covered in the fault code diagrams. (Ref fault code diagram for flight crew actions). 2. SSM 31-31-00
31 31 XA --	1. (01=Capt, 02=F/O, 03=Both) An ACMS problem was found by the flight crew which is not covered in the fault code diagrams. (Ref fault code diagram for flight crew actions). 2. SSM 31-31-00
31 41 XA --	1. (08=UPR, 09=LWR, 10=UPR & LWR) An EICAS display problem was found by the flight crew which is not covered in the fault code diagrams. (Ref fault code diagram for flight crew actions). 2. SSM 31-41-06 thru SSM 31-41-07
31 41 XB --	1. (01=L, 02=R, 03=Both, 08=UPR, 09=LWR, 10=UPR & LWR) An EICAS control problem was found by the flight crew which is not covered in the fault code diagrams. (Ref fault code diagram for flight crew actions). 2. SSM 31-41-01
31 41 XE 00	1. An EICAS status/maint msg was found by the flight crew which was not covered in the fault code diagram (Ref fault code diagram for flight crew action). 2. FIM 31-41-00/101, Fig. 103, Block 1

FAULT CODE	1. LOG BOOK REPORT 2. FAULT ISOLATION REFERENCE
31 41 XJ 00	1. An EICAS status/maint msg was found by the flight crew which was not covered in the fault code diagram (Ref fault code diagram for flight crew action). 2. FIM 31-41-00/101, Fig. 103, Block 1
31 51 XA --	1. (01 = CAPT, 02 = F/O, 03 = BOTH) A Caution and Warning System problem was found by the flight crew which is not covered in the fault code diagrams. (Ref fault code diagram for flight crew actions). 2. SSM 31-51-00
31 51 XB 00	1. A warning system (WARNING) display problem was found by the flight crew which is not covered in the fault code diagrams. (Ref fault code diagram for flight crew actions). 2. SSM 31-51-00
31 51 XC --	1. A warning system (CAUTION) display problem was found by the flight crew which is not covered in the fault code diagrams. (Ref fault code diagram for flight crew actions). 2. SSM 31-51-00
31 51 XE 00	1. A Takeoff/Landing Configuration warning problem was found by the flight crew which is not covered in the fault code diagrams (Ref fault code diagram for flight crew actions). 2. SSM 31-51-03 thru SSM 31-51-04
31 51 XF 00	1. A Takeoff/Landing Configuration Test problem was found by the flight crew which was not covered in the fault code diagrams (Ref fault code diagrams for flight crew actions). 2. SSM 31-51-03 thru SSM 31-51-04
31 51 XG 00	1. A Speedbrake Landing Configuration warning problem was found by the flight crew which was not covered in the fault code diagrams (Ref fault code diagrams for flight crew actions). 2. SSM 31-51-04
31 25 01 --	1. (04=Capt, 05=F/O, 07=F/E) clock sweep second hand inoperative. 2. Replace the Capt (N2), F/O (N42), or F/E (N118) clock (AMM 31-25-01/401).

FAULT CODE	1. LOG BOOK REPORT 2. FAULT ISOLATION REFERENCE
31 25 02 --	1. (04=Capt, 05=F/O, 06=Both, 07=F/E, 11=All) clock(s) inaccurate. 2. Replace the Capt (N2), F/O (N42), or F/E (N118) clock (AMM 31-25-01/401).
31 25 03 --	1. (04=Capt, 05=F/O, 07=F/E) clock sw fails to (start, stop, reset) CHR indication. 2. Replace the Capt (S320), F/O (S321) clock switch (WDM 31-25-11).
31 25 04 --	1. (04=Capt, 05=F/O, 07=F/E) chronograph sw fails to (start, stop, reset) CHR indication. 2. Replace the Capt (N2), F/O (N42), or F/E (N118) clock (AMM 31-25-01/401).
31 25 05 --	1. (04=Capt, 05=F/O, 06=Both, 07=F/E, 11=All) clock(s) GMT indicator blank. 2. FIM 31-25-00/101, Fig. 102A, Block 1, or FIM 31-25-00/101, Fig. 103, Block 1
31 25 08 --	1. (04=Capt, 05=F/O, 07=F/E) clock sweep second hand sticks. 2. Replace the Capt (N2), F/O (N42), or F/E (N118) clock (AMM 31-25-01/401).
31 25 09 --	1. (04=Capt, 05=F/O, 06=Both, 07=F/E, 11=All) clock(s) inoperative. 2. Replace the Capt (N2), F/O (N42), or F/E (N118) clock (AMM 31-25-01/401).
31 25 10 --	1. (04=Capt, 05=F/O, 06=both) clock(s) date indicator blank. 2. FIM 31-25-00/101, Fig. 102A, Block 1, or FIM 31-25-00/101, Fig. 103, Block 1
31 31 07 00	1. FLIGHT RECORDER OFF light illuminated with engine not running and switch in (ON, TEST). 2. FIM 31-31-00/101, Fig. 103, Block 1

FAULT CODE	1. LOG BOOK REPORT 2. FAULT ISOLATION REFERENCE
31 31 08 --	1. (01=Capt, 02=F/O, 03=Both) MCDU MENU key(s) inoperative. 2. FIM 34-61-00/101, Figure 111, Block 1.
31 31 08 --	1. (01=Capt, 02=F/O, 03=Both) CDU menu key inoperative. 2. FIM 34-61-00/101, Figure 111, Block 1
31 31 09 --	1. (01=Capt, 02=F/O, 03=Both) AIDS/ACMS line select key(s) inoperative. 2. FIM 34-61-00/101, Figure 111, Block 1
31 31 19 --	1. FLIGHT RECORDER OFF light illuminated with (01=L, 02=R, 03=Both) engs running and sw in NORM. 2. FIM 31-31-00/101, Fig. 103, Block 1
31 31 26 00	1. EICAS msg FLT DATA REC displayed. OFF light illuminated with engines running and switch in NORM. 2. FIM 31-31-00/101, Fig. 104, Block 1
31 31 27 00	1. EICAS msg FLT DATA ACQ displayed. OFF lgt illum with engines running and switch in NORM. 2. FIM 31-31-00/101, Fig. 104, Block 1
31 31 36 00	1. EICAS msg FLT DATA ACQ displayed. 2. FIM 31-31-00/101, Fig. 104, Block 1
31 31 37 00	1. EICAS msg FLT DATA REC displayed. 2. FIM 31-31-00/101, Fig. 104, Block 1
31 35 04 00	1. Printer paper will not advance. 2. Replace the printer (M1169, M1631, M2082) (AMM 31-35-06/401).

FAULT CODE	1. LOG BOOK REPORT 2. FAULT ISOLATION REFERENCE
31 35 05 00	1. Printer TEST button inoperative. 2. Replace the printer (M1169, M1631, M2082) (AMM 31-35-06/401).
31 35 06 00	1. Printer PWR ON light extinguished with Flight Recorder on. Printer FAULT light illuminated. Printer FAIL light illuminated. 2. Replace the printer (M1169, M1631, M2082) (AMM 31-35-06/401).
31 35 07 00	1. Printer ALERT RESET button inoperative. Printer MSG light will not reset. Printer inoperative. 2. Replace the printer (M1169, M1631, M2082) (AMM 31-35-06/401).
31 35 09 00	1. ACMS line select key inoperative. 2. FIM 34-61-00/101, Figure 111, block 1
31 41 01 00	1. EICAS message EICAS SCC I/F shows. 2. If EICAS BITE message also shows, Do the EICAS BITE Procedure (FIM 31-41-00/101, Fig 103). If EICAS SCC I/F still shows, Remove and reseat the EICAS Signal Consolidation Card (SCC), M10727 (AMM 31-41-07/401). If EICAS SCC I/F still shows, Remove the EICAS SCC, M10727 (AMM 31-41-07/401). Remove the left and right EICAS computers, M10181 and M10182 (AMM 31-41-02/401). Examine and repair the data bus circuit from SSC connector D2261, pins 42 and 43, to EICAS computers connectors D881E and D883E, pins F1 and F2 (WDM 31-41-35).
31 41 03 --	1. Master caution light did not cancel when (04=Capt, 05=F/O, 06=Both) caution switches reset. 2. Examine and repair wiring from the Capt, F/O Master Caution light switch (pin 6) to the each EICAS computer (connectors D881B, D883B pin J15) (WDM 31-41-16).

FAULT CODE	1. LOG BOOK REPORT 2. FAULT ISOLATION REFERENCE
31 41 04 --	1. (04=Capt, 05=F/O, 06=Both) Master caution lights did not come on when caution (level-B) condition existed. Aural caution sounded. (State condition existing). 2. Examine and repair wiring from the each EICAS computer (connectors D881A, D883A pin F8) to Capt, F/O Master Caution Light switch (pin 16) (WDM 31-41-16).
31 41 05 00	1. EICAS message EICAS SCC shows. 2. If EICAS BITE message also shows, Do the EICAS BITE test (FIM 31-41-00/101, Fig 103). If EICAS SCC still shows, Remove and reseat the EICAS Signal Consolidation Card (SCC), M10727 (AMM 31-41-07/401). If EICAS SCC still shows. Replace the EICAS SCC, M10727 (AMM 31-41-07/401). If EICAS SCC still shows, Remove the EICAS SCC, M10727 (AMM 31-41-07/401). Remove the (L, R) EICAS computers, M10181 and M10182 (AMM 31-41-02/401). Examine and repair the data bus circuit from connector D2261, pins 42 and 43, to connector D881E and D883E, pins F1 and F2 (WDM 31-41-35).
31 41 06 00	1. EICAS (ENGINE, STATUS) select switch does not (select, deselect) (secondary engine, status) format. 2. Replace the EICAS display select panel, M10195 (AMM 31-41-03/401).
31 41 07 --	1. (08=UPR, 09=LWR) EICAS display is (blank, out of focus, distorted, wrong color: describe fault). Operation norm on alternate comptr. 2. FIM 31-41-00/101, Fig. 104, Block 1
31 41 08 --	1. (07=F/E, 08=UPR, 09=LWR) EICAS display is (blank, out of focus, distorted, wrong color: describe fault). Fault remains on alternate computer. 2. FIM 31-41-00/101, Fig. 105, Block 1

FAULT CODE	1. LOG BOOK REPORT 2. FAULT ISOLATION REFERENCE
31 41 09 00	1. Cancel switch would not remove caution or advisory messages from view. 2. Replace the cancel switch, S10170. If fault persists remove the L and R EICAS computers M10181, M10182 (AMM 31-41-02/401). Examine and repair the circuit from the cancel switch connector, D4285P pin 26 to the EICAS computer connector, D5115J pin 4 (WDM 31-41-12). Also examine the circuit from the cancel switch connector, D4285P pin 25 to ground GD57-DC (WDM 31-41-12). Install the EICAS computers M10181 and M10182 (AMM 31-41-02/401).
31 41 10 00	1. Recall switch would not redisplay cancelled caution or advisory messages. 2. Replace the recall switch, S10230 (WDM 31-41-12). If fault persists, remove the L and R EICAS computers M10181, M10182 (AMM 31-41-02/401). Examine and repair the circuit from the recall switch connector, D4285P pin 27 to the EICAS computer connector, D5115J pin 5. Also examine the circuit from the recall switch connector, D4285P pin 25 to ground GD57-DC (WDM 31-41-12). Install the EICAS computers M10181 and M10182 (AMM 31-41-02/401).
31 41 11 00	1. EICAS msg EICAS DISPLAY displayed in view. 2. FIM 31-41-00/101, Fig. 105, Block 1
31 41 12 --	1. EICAS msg (01=L, 02=R) EICAS CMPTR displayed. 2. FIM 31-41-00/101, Fig. 103, Block 1
31 41 13 00	1. EICAS msg EICAS DISAGREE displayed. EICAS computer not checked. 2. FIM 31-41-00/101, Fig. 103, Block 1
31 41 14 00	1. EICAS msg EICAS CONT PNL displayed. 2. FIM 31-41-00/101, Fig. 106, Block 1
31 41 15 00	1. Max ind reset switch will not reset overlimit readout. 2. Replace the EICAS display select panel, M10195 (AMM 31-41-03/401).

FAULT CODE	1. LOG BOOK REPORT 2. FAULT ISOLATION REFERENCE
31 41 16 --	1. Manual thrust set knob will not control (01=L, 02=R, 03=L&R) thrust reference cursor(s). 2. Replace the EICAS display select panel, M10195 (AMM 31-41-03/401).
31 41 17 --	1. Display brightness knobs will not control (brightness, balance) of (08=upper, 09=lower, 10=upper & lower) EICAS CRT(s). 2. FIM 31-41-00/101, Fig. 107, Block 1
31 41 18 00	1. Maintenance message EICAS BITE displayed. 2. FIM 31-41-00/101, Fig. 103, Block 1
31 41 25 --	1. (08=UPR, 09=LWR, 10=UPR & LWR) EICAS display goes blank intermittently. Operation is normal on the alternate computer. 2. Make sure the EICAS display switching module is correctly attached to the connector. If you cannot put the EICAS display switching module fully in the connector, use the screws that are the correct size and length to attach the EICAS display switching module to the connector. If the problem continues, go to FIM 31-41-00/101, Fig. 103, Block 1.
31 41 26 --	1. (08=UPR, 09=LWR, 10=UPR & LWR) EICAS display goes blank intermittently. Fault remains on alternate computer. 2. FIM 31-41-00/101, Fig. 105, Block 1
31 41 27 --	1. (01=L, 02=R) MASTER CAUTION lgt remained extin. during test. Other indications normal (Ref Ch 26 Fault Code Diagrams). 2. Make sure the wiring is good from the left EICAS computer (connector D891A pin F8) to Capt and F/O master caution switch/lights (pin 16). Repair circuit as necessary (WDM 31-41-16).
31 41 28 --	1. EICAS msg EICAS DISAGREE displayed. (01=L, 02=R) EICAS computer engine indication not normal (describe). 2. FIM 31-41-00/101, Fig. 103, Block 1
31 41 29 00	1. EICAS msg EICAS DISAGREE displayed. Engine indications same on both computers. 2. FIM 31-41-00/101, Fig. 103, Block 1
31 41 33 00	1. EICAS message EICAS SCC displayed. 2. Replace the EICAS signal consolidation card, M10727 (AMM 31-41-07/401).

FAULT CODE	1. LOG BOOK REPORT 2. FAULT ISOLATION REFERENCE
31 41 34 00	1. EICAS msg EICAS DISAGREE displayed. Engine indications same on both computers. 2. FIM 31-41-00/101, Fig. 103, Block 1
31 41 35 00	1. EICAS displays are blank for a failed EICAS computer. Self_Tesst cannot be initiated. 2. Open and Close Circuit Breakers 11J2 and 11J29 to initiate the Self-Test. 3. FIM 31-41-00, Fig. 103.
31 51 03 --	1. (04=CAPT, 05=F/O, 06=Both) Master warning light(s) did not illuminate when warning condition existed. Aural warning sounded. (Refer to log book for warning condition). 2. FIM 31-51-00/101, Fig. 103A, Block 1.
31 51 04 --	1. (04=CAPT, 05=F/O, 06=Both) Bell did not sound when fire condition existed. Master warning lights illuminate normally. (Refer to log book for fire condition). 2. Replace the bell/chime aural warning, module M1000 (AMM 31-51-04/401).
31 51 07 --	1. Siren did not sound from (04=Capt, 05=F/O) speaker. 2. FIM 31-51-00/101, Fig. 103, Block 1
31 51 08 00	1. EICAS message WARN ELEX displayed. 2. FIM 31-51-00/101, Fig. 105, Block 1
31 51 09 00	1. Ground proximity/configuration gear override switch does not cancel the landing configurations aural warning. 2. Replace the ground proximity/configuration gear override switch, S604 (WDM 31-51-31).
31 51 10 --	1. (04=Capt, 05=F/O, 06=Both) beeper(s) failed to automatically silence. 2. Replace the bad siren/owl aural warning module, Capt (M999) and F/O (M619) (AMM 31-51-04/401).
31 51 31 00	1. EICAS msg FLAPS displayed. Airplane on ground. Flaps in T.O. range. 2. FIM 31-51-00/101, Fig. 107, Block 1
31 51 32 00	1. EICAS msg SPOILERS displayed. Airplane on ground. SPOILERS down. 2. FIM 31-51-00/101, Fig. 108, Block 1

FAULT CODE	1. LOG BOOK REPORT 2. FAULT ISOLATION REFERENCE
31 51 33 00	1. EICAS msg STABILIZER displayed. Airplane on ground. Stabilizer in green band. 2. FIM 31-51-00/101, Fig. 106, Block 1
31 51 34 00	1. EICAS msg PARKING BRAKE displayed. Airplane on ground. Parking brake released. 2. FIM 31-51-00/101, Fig. 109, Block 1
31 51 41 --	1. (01=L, 02=R) Caution Beeper did not operate during test. Other indications normal. 2. FIM 31-51-00/101, Fig. 103, Block 1.
31 51 42 00	1. FIRE BELL did not ring during test. Other indications normal. 2. FIM 31-51-00/101, Fig. 103, Block 1.
31 51 43 00	1. EICAS message GEAR NOT DOWN displayed. Airplane inflight above 800 ft. Not in landing configuration. 2. FIM 31-51-00/101, Fig. 109A, Block 1
31 51 44 00	1. EICAS message FLAPS displayed. Flaps in normal position for flight. 2. FIM 31-51-00/101, Fig. 107, Block 1
31 51 45 00	1. EICAS message SPOILERS displayed. Spoilers in normal position for flight. 2. FIM 31-51-00/101, Fig. 108, Block 1
31 51 46 00	1. EICAS message STABILIZER displayed. Stabilizer in normal position for flight. 2. FIM 31-51-00/101, Fig. 106, Block 1
31 51 47 00	1. EICAS message GEAR NOT DOWN displayed. Airplane inflight with gear down for landing. 2. FIM 31-51-00/101, Fig. 109B, Block 1

FAULT CODE	1. LOG BOOK REPORT 2. FAULT ISOLATION REFERENCE
31 51 48 00	1. EICAS message SPOILERS displayed. Airplane on ground with reverse thrust applied. 2. FIM 31-51-00/101, Fig. 108, Block 1
31 51 49 00	1. Config Test switch in T/O. CONFIG light illuminated. EICAS message FLAPS displayed, Flaps were in T.O. range. 2. FIM 31-51-00/101, Fig. 107, Block 1
31 51 50 00	1. Config Test switch in T/O, CONFIG light illuminated, EICAS message SPOILERS displayed. Spoilers were down. 2. FIM 31-51-00/101, Fig. 108, Block 1
31 51 51 00	1. Config Test switch in T/O, CONFIG light illuminated. EICAS message STABILIZER displayed. Stabilizer in green band. 2. FIM 31-51-00/101, Fig. 106, Block 1
31 51 52 00	1. Config Test switch in T/O, CONFIG light illuminated, EICAS message "PARKING BRAKE" displayed. Parking brake was released. 2. FIM 31-51-00/101, Fig. 109, Block 1
31 51 53 00	1. Config Test switch in T/O with flaps up. No CONFIG light or EICAS message. 2. FIM 31-51-00/101, Fig. 107, Block 1
31 51 54 00	1. Config Test switch in T/O with spoiler up. No CONFIG light or EICAS message. 2. FIM 31-51-00/101, Fig. 108, Block 1
31 51 55 00	1. Config Test switch in T/O with stabilizer out of the green band. No CONFIG light or EICAS message 2. FIM 31-51-00/101, Fig. 106, Block 1
31 51 56 00	1. Config Test switch in T/O with parking brake set. No CONFIG light or EICAS message. 2. FIM 31-51-00/101, Fig. 109, Block 1
31 51 57 00	1. Config Test switch in LDG. CONFIG light illuminated. No EICAS message. 2. FIM 31-51-00/101, Fig. 104, Block 1
31 51 58 00	1. Config Test switch in LDG. No CONFIG light or EICAS message. 2. FIM 31-51-00/101, Fig. 104, Block 1

FAULT CODE	1. LOG BOOK REPORT 2. FAULT ISOLATION REFERENCE
31 51 59 00	1. Config Test switch in LDG. No CONFIG light. EICAS message GEAR NOT DOWN displayed. 2. FIM 31-51-00/101, Fig. 104, Block 1
31 51 60 --	1. Master WARNING light and aural warning did not cancel when (04=Capt, 05=F/O, 06=Both) Warning switch(es) reset. 2. FIM 31-51-00/101, Fig. 103A, Block 1.
31 51 60 05	1. Master WARNING Light and aural warning did not cancel when F/O warning switch reset. 2. FIM 31-51-00/101, Fig. 103A, Block 1.
31 51 60 06	1. Master WARNING light and aural warning did not cancel when both warning switches reset. 2. Examine and repair circuit from terminal block TB241, pin YA7 to connector D4507P, pin 5 (WDM 31-51-21).
31 51 61 00	1. Master WARNING light and aural warning failed to operate during warning conditon. 2. FIM 31-51-00/101, Fig. 103, Block 1
31 51 62 --	1. (04=CAPT, 05=F/O, 06=Both) Caution aurals did not sound during caution condition. Master caution lights illuminated normally (Refer to log book for caution condition). 2. FIM 31-51-00/101, Fig. 103, Block 1
31 51 63 --	1. (04=CAPT, 05=F/O, 06=Both) siren(s) did not sound when warning condition existed. Master warning lights illuminated normally (Refer to log book for warning condition). 2. FIM 31-51-00/101, Fig. 103, Block 1
31 51 64 00	1. Master Caution Light and aural warning failed to operate during caution condition (state condition). 2. FIM 31-41-00/101, Fig. 103, Block 1
31 51 65 00	1. EICAS msg SPEEDBRAKES EXT displayed. Radio altitude was above 15 feet and below 800 feet with speedbrake lever in down position. 2. FIM 31-51-00/101, Fig. 109C, Block 1
31 51 66 00	1. EICAS msg SPEEDBRAKES EXT displayed. Radio altitude was above 15 feet and below 800 feet with speedbrake lever in armed position. 2. FIM 31-51-00/101, Fig. 109C, Block 1

FAULT CODE	1. LOG BOOK REPORT 2. FAULT ISOLATION REFERENCE
31 51 67 00	1. EICAS msg SPEEDBRAKES EXT displayed. Radio altitude was above 15 feet and below 800 feet with speedbrake lever in either down or armed position. 2. FIM 31-51-00/101, Fig. 109C, Block 1
31 51 68 00	1. EICAS msg SPEEDBRAKES EXT displayed. Radio altitude was above 800 feet with speedbrake lever in down position. 2. Replace the Landing Configuration Warning module, M983 (AMM 31-51-04/401).
31 51 69 00	1. EICAS msg SPEEDBRAKES EXT displayed. Radio altitude was above 800 feet with speedbrake in armed position. 2. Replace the Landing Configuration Warning module, M983 (AMM 31-51-04/401).
31 51 70 00	1. EICAS msg SPEEDBRAKES EXT displayed. Radio altitude was above 800 feet with speedbrake lever in up position. 2. Replace the Landing Configuration Warning module, M983 (AMM 31-51-04/401).
31 51 71 00	1. EICAS msg SPEEDBRAKES EXT displayed. Radio altitude was above 800 feet with speedbrake lever in any position. 2. Replace the Landing Configuration Warning module, M983 (AMM 31-51-04/401).
31 51 72 --	1. Beepers did not sound from (04=Capt, 05=F/O) speaker. 2. FIM 31-51-00/101, Fig. 103, Block 1

BITE Index

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

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

Bite Index
Figure 1 (Sheet 1)

K42779

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

Bite Index
Figure 1 (Sheet 2)

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

Bite Index
Figure 1 (Sheet 3)

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 101 has a list of the components in order of component type and electrical equipment number.

            NOTE: Figure 101A 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)

(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)

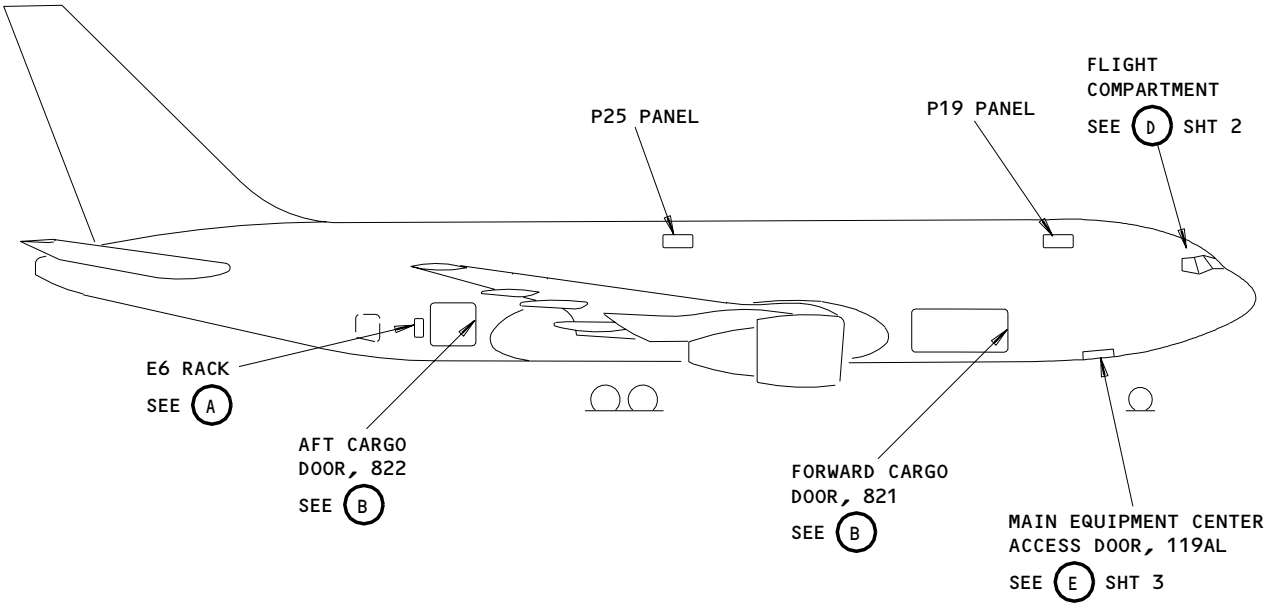
ELECTRICAL/ELECTRONIC PANELS

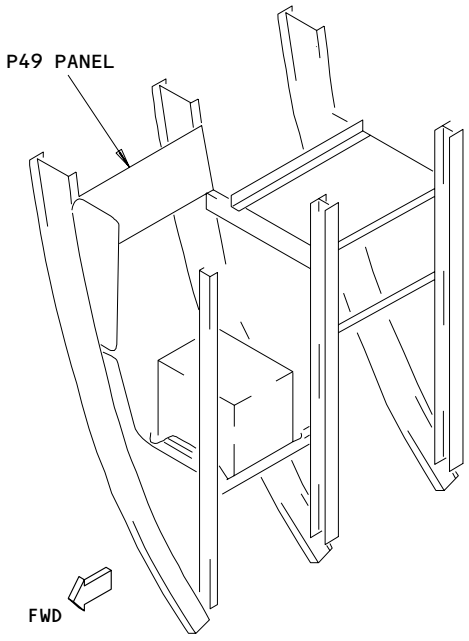
COMPONENT	FIG. 102 SHT	QTY	ACCESS/AREA	AMM REFERENCE
P6, MAIN POWER DISTRIBUTION PANEL	2	1	FLT COMPT, RIGHT SIDE	31-01-06
P19, FORWARD LIGHTING DISTRIBUTION PANEL	1	1	PASS. COMPT, CEILING LEFT OF CENTERLINE, NEAR FORWARD ENTRY DOOR	31-01-19
P25, AFT LIGHTING DISTRIBUTION PANEL	1	1	PASS. COMPT, CEILING CENTERLINE	31-01-25
P29, LIGHTING EQUIPMENT PANEL	3	1	119AL, MAIN EQUIP CTR, RIGHT SIDE	31-01-29
P31, LEFT GENERATOR POWER PANEL	3	1	119AL, MAIN EQUIP CTR, LEFT SIDE	31-01-31
P32, RIGHT GENERATOR POWER PANEL	3	1	119AL, MAIN EQUIP CTR, RIGHT SIDE	31-01-32
P33, FORWARD MISCELLANEOUS ELECTRICAL EQUIPMENT PANEL	3	1	119AL, MAIN EQUIP CTR, CENTERLINE	31-01-33
P34, APU EXTERNAL POWER PANEL	3	1	119AL, MAIN EQUIP CTR, RIGHT OF CENTERLINE	31-01-34
P35, FORWARD COMPARTMENT CARGO HANDLING ACCESSORY PANEL	2	1	FORWARD CARGO COMPT, RIGHT SIDE-WALL, FORWARD OF THE CARGO DOOR	31-01-35
P36, LEFT MISCELLANEOUS ELECTRICAL EQUIPMENT PANEL	3	1	119AL, MAIN EQUIP CTR, LEFT SIDE	31-01-36
P37, RIGHT MISCELLANEOUS ELECTRICAL EQUIPMENT PANEL	3	1	119AL, MAIN EQUIP CTR, RIGHT SIDE	31-01-37
P39, AFT COMPARTMENT CARGO HANDLING ACCESSORY PANEL	1	1	AFT CARGO COMPT, RIGHT SIDEWALL, FORWARD OF THE CARGO DOOR	31-01-39
P49, APU AUXILIARY PANEL	1	1	AFT CARGO COMPT, RIGHT SIDE, E6 RACK, AFT OF CARGO DOOR	31-01-49
P61, RIGHT SIDE PANEL	2	1	FLT COMPT, RIGHT SIDE	31-01-61
P65, HYDRAULIC GENERATOR POWER PANEL 1	3	1	119AL, MAIN EQUIP CTR, LEFT SIDE	31-01-65
P87, FORWARD LEFT MISCELLANEOUS ELECTRICAL PANEL	3	1	119AL, MAIN EQUIP CTR, CENTERLINE	31-01-87

1 ETOPS AIRPLANES

Electrical/Electronic Panels - Component Index
Figure 101A

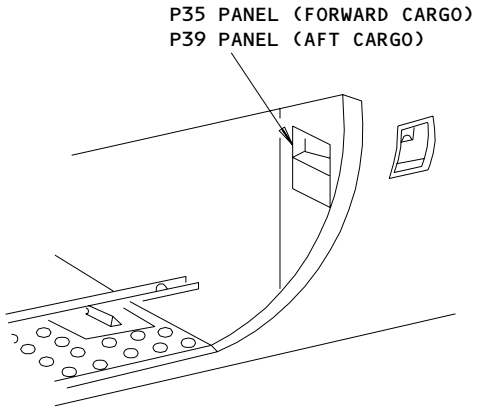
A57462





E6 RACK

A

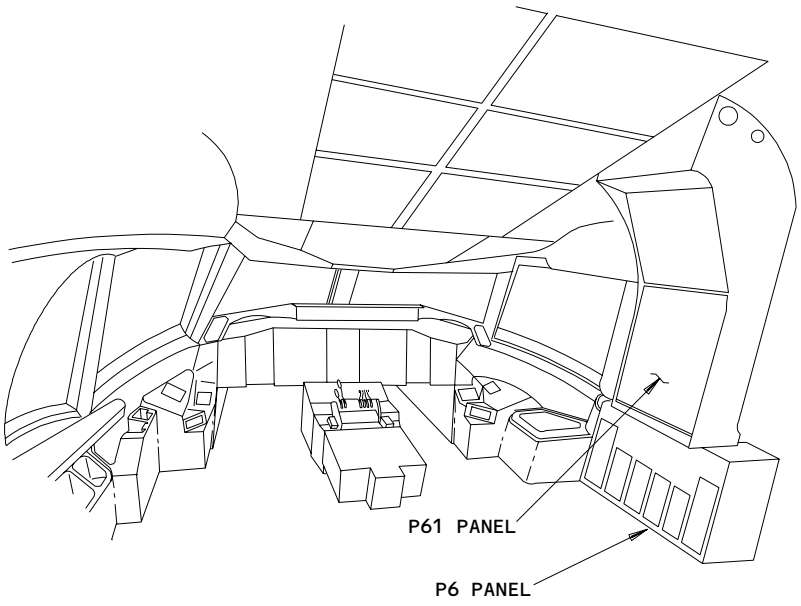


FORWARD CARGO DOOR, 821
OR
AFT CARGO DOOR, 822

B

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

A57449

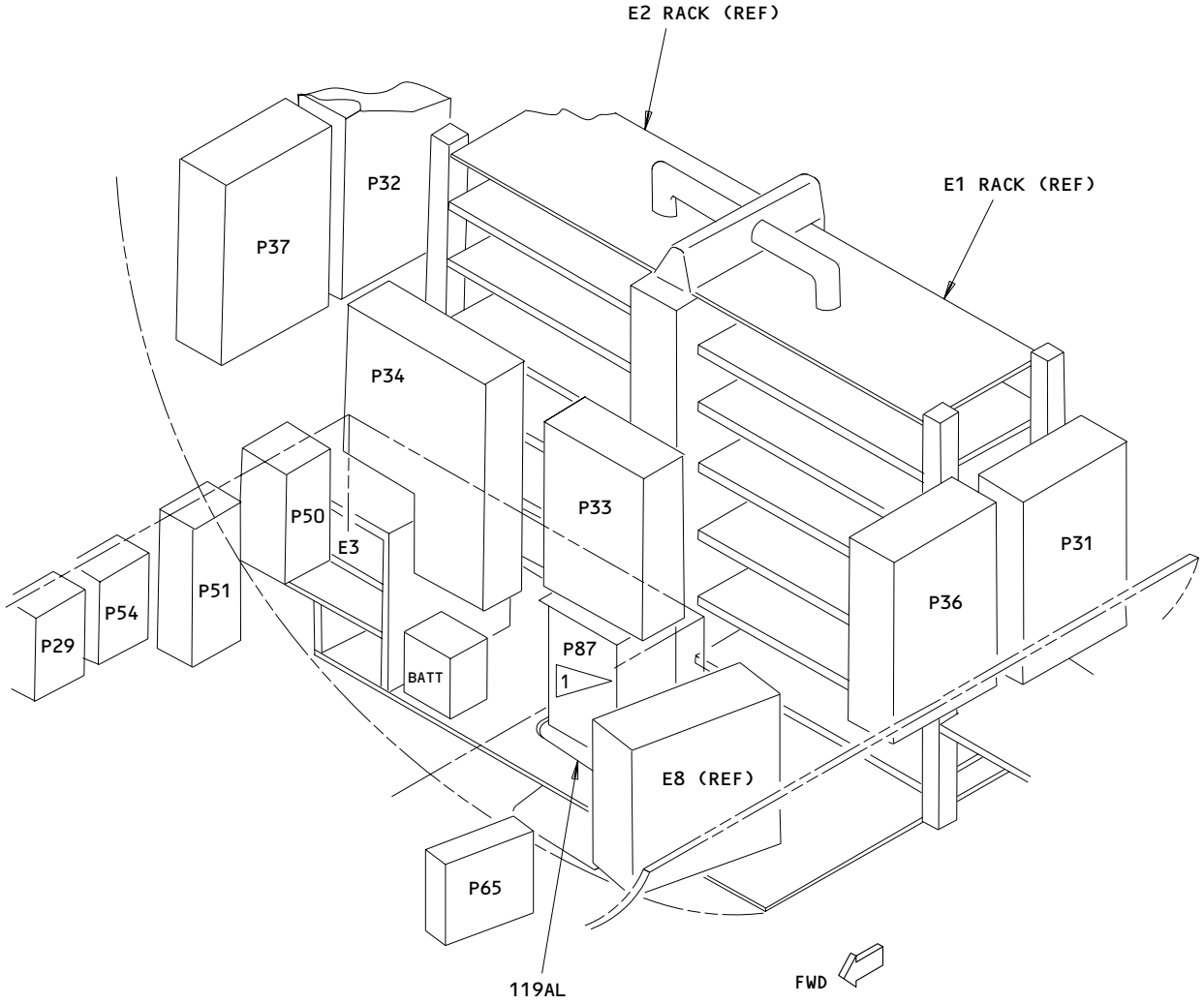


FLIGHT COMPARTMENT

(D)

NOTE: VIEW (C) NOT USED

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



MAIN EQUIPMENT CENTER

(E)

1 IF INSTALLED

Electrical/Electronic Panels – Component Location (Detail from Sht 1)
Figure 102 (Sheet 3)

A57506

MAIN POWER DISTRIBUTION PANEL, P6

COMPONENT	FIG. 102 SHT	QTY	ACCESS/AREA	REFERENCE
MODULES -			FLT COMPT, P6	
M540	2	1	(A)	*
M1079	3	1	(B)	*
M1217	3	1	(B)	*
M10334	4	1	(C)	*
M10335	4	1	(C)	*
RELAYS -			FLT COMPT, P6	
K104	2	1	(A)	24-33-02
K105	2	1	(A)	24-33-01
K106	2	1	(A)	24-33-02
K107	2	1	(A)	*
K108	2	1	(A)	*
K109	2	1	(A)	24-33-01
K110	2	1	(A)	*
K113	2	1	(A)	*
K122	2	1	(A)	*
K123	2	1	(A)	*
K137	2	1	(A)	*
K138	2	1	(A)	*
K467	3	1	(B)	*
K468	3	1	(B)	*
K469	3	1	(B)	*
K470	3	1	(B)	*
K657	4	1	(C)	*
K658	4	1	(C)	*
K659	4	1	(C)	*
K660	4	1	(C)	*
K661	4	1	(C)	*
K662	4	1	(C)	*
K663	4	1	(C)	*
K664	4	1	(C)	*
K665	4	1	(C)	*
K666	4	1	(C)	*
K694	2	1	(A)	*
K695	2	1	(A)	*
K696	2	1	(A)	*
K701	4	1	(C)	*
K702	4	1	(C)	*
K703	4	1	(C)	*
K704	4	1	(C)	*
K705	4	1	(C)	*
K706	4	1	(C)	*
K707	4	1	(C)	*
K708	4	1	(C)	*

* SEE THE WDM EQUIPMENT LIST

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

Main Power Distribution Panel, P6 - Component Index
Figure 101 (Sheet 1)

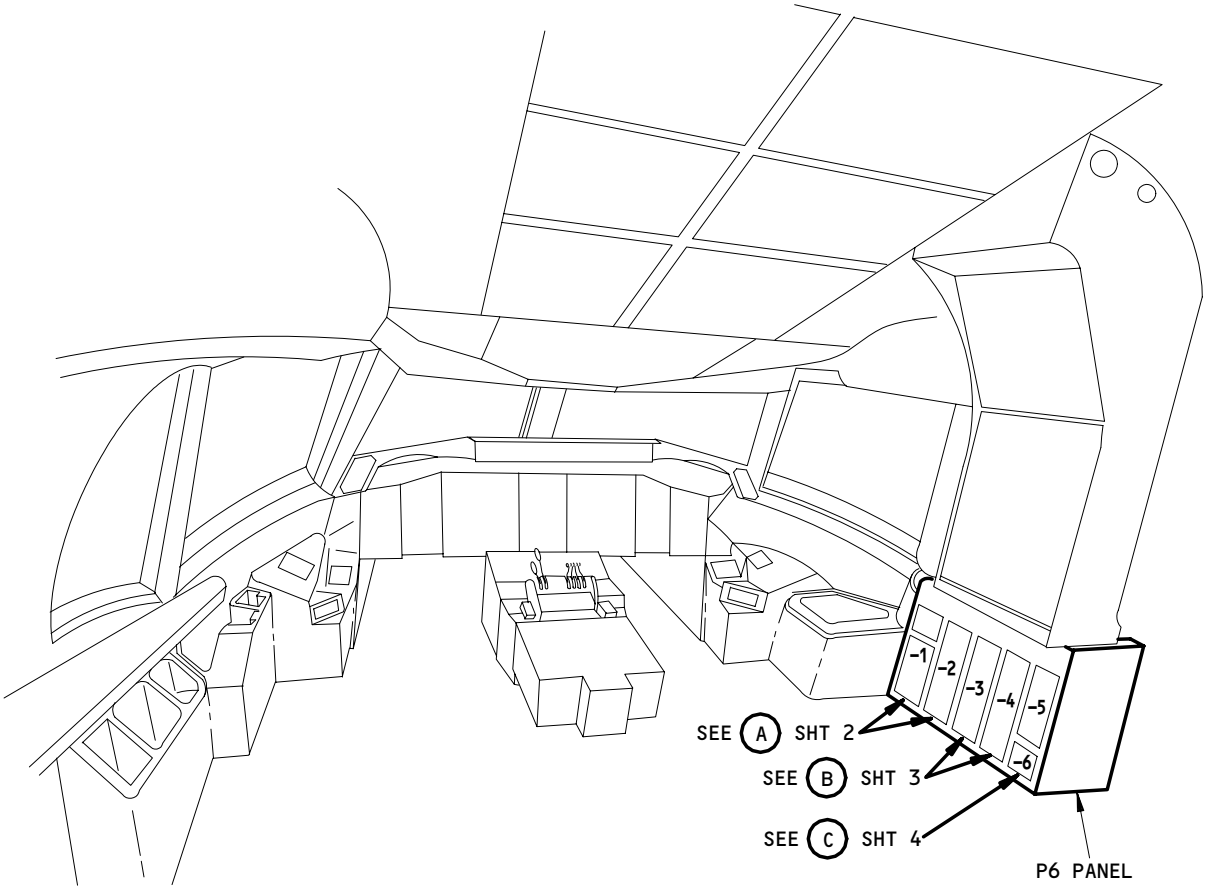
A65486

COMPONENT	FIG. 102 SHT	QTY	ACCESS/AREA	AMM REFERENCE
RELAYS (CONT) -			FLT COMPT, P6	
K709	4	1	(C)	*
K710	4	1	(C)	*
K711	4	1	(C)	*
K712	4	1	(C)	*
K713	4	1	(C)	*
K714	4	1	(C)	*
K715	4	1	(C)	*
K728	4	1	(C)	*
K743	4	1	(C)	*
K744	4	1	(C)	*
K747	4	1	(C)	*
K748	4	1	(C)	*
K749	4	1	(C)	*
K770	2	1	(A)	24-33-01
K771	4	1	(C)	*
K772	4	1	(C)	*
K773	4	1	(C)	
K791	2	1	(A)	
K794	4	1	(C)	*
K2048	4	1	(C)	*
K2127	2	1	(A)	*
K2128	2	1	(A)	*
K10247	4	1	(C)	*
K10250	4	1	(C)	*
RESISTOR -			FLT COMPT, P6	
R556	4	1	(C)	*
TERMINAL BLOCK -			FLT COMPT, P6	
TB0014	2	1	(A)	*
TB0016	3	1	(B)	*
TB0018	4	1	(C)	*
TB0022	4	1	(C)	*
TB5002	3	1	(B)	*
TB5008	3	1	(B)	*
TB5010	2	1	(A)	*
TB5012	3	1	(B)	*
TB5014	2	1	(A)	*
TRANSFORMERS -			FLT COMPT, P6	
T123	3	1	(B)	*
T124	3	1	(B)	*
T193	3	1	(B)	*
T194	3	1	(B)	*

* SEE THE WDM EQUIPMENT LIST

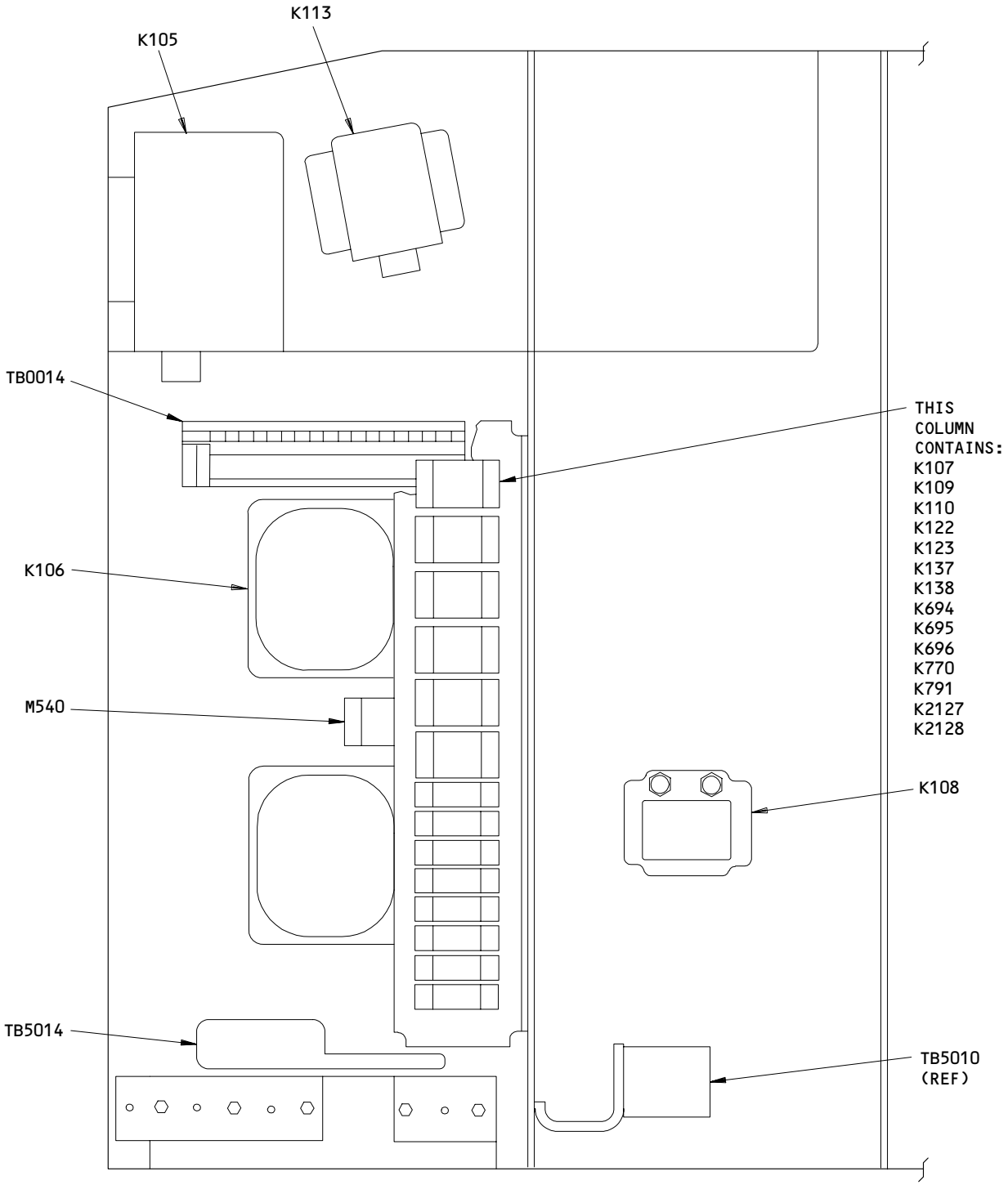
NOTE: THE (X) BELOW THE ACCESS/AREA REFERS TO THE VIEW SHOWN ON FIGURE 102. THIS HELPS YOU FIND THE COMPONENTS ON THE ILLUSTRATION. FOR EXAMPLE, (A) REFERS TO VIEW A.

Main Power Distribution Panel, P6 - Component Index
Figure 101 (Sheet 2)



FLIGHT COMPARTMENT

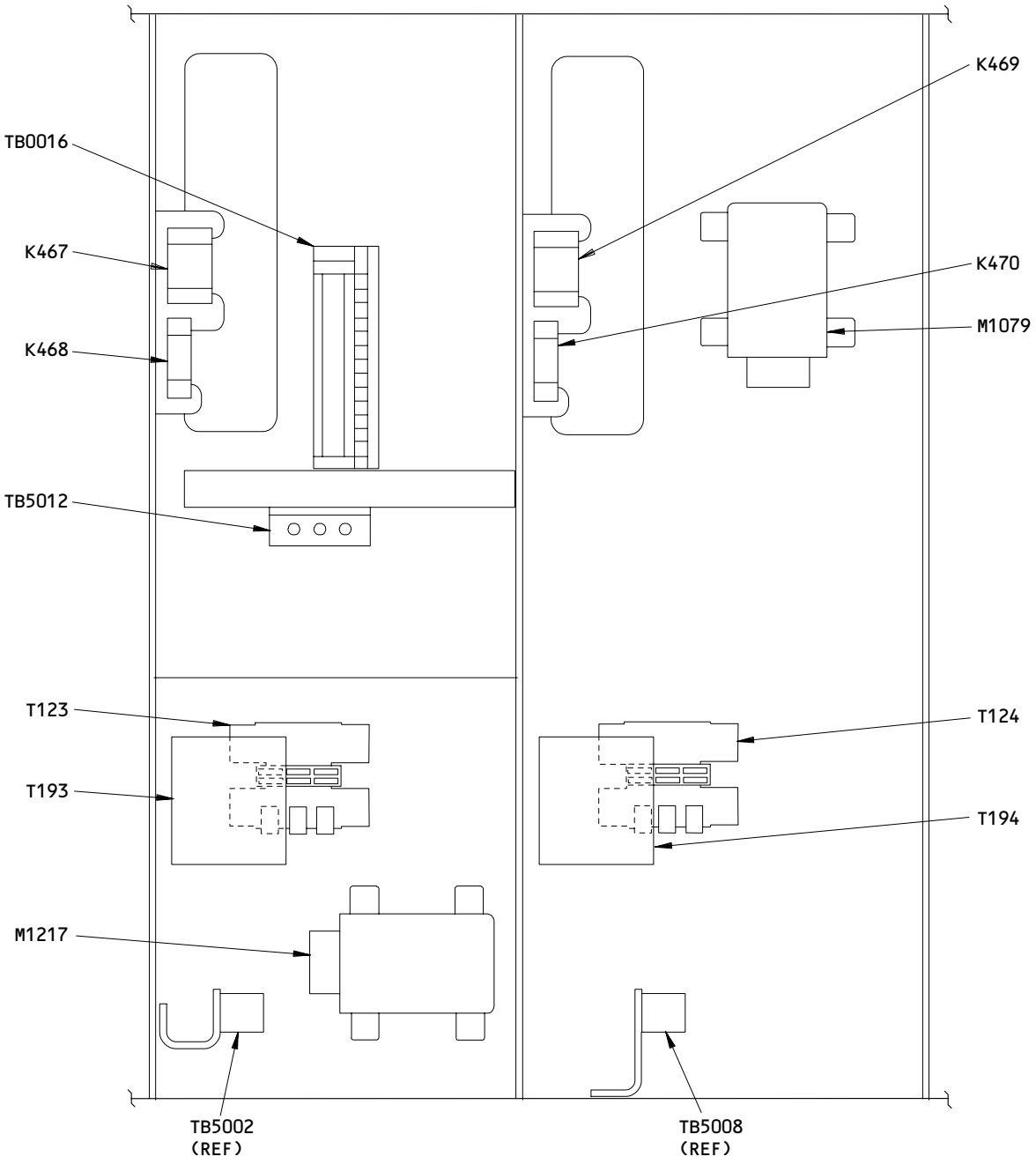
Main Power Distribution Panel, P6 - Component Location
Figure 102 (Sheet 1)



P6-1,P6-2 PANELS

(A)

Main Power Distribution Panel, P6 - Component Location (Detail from Sht 1)
Figure 102 (Sheet 2)

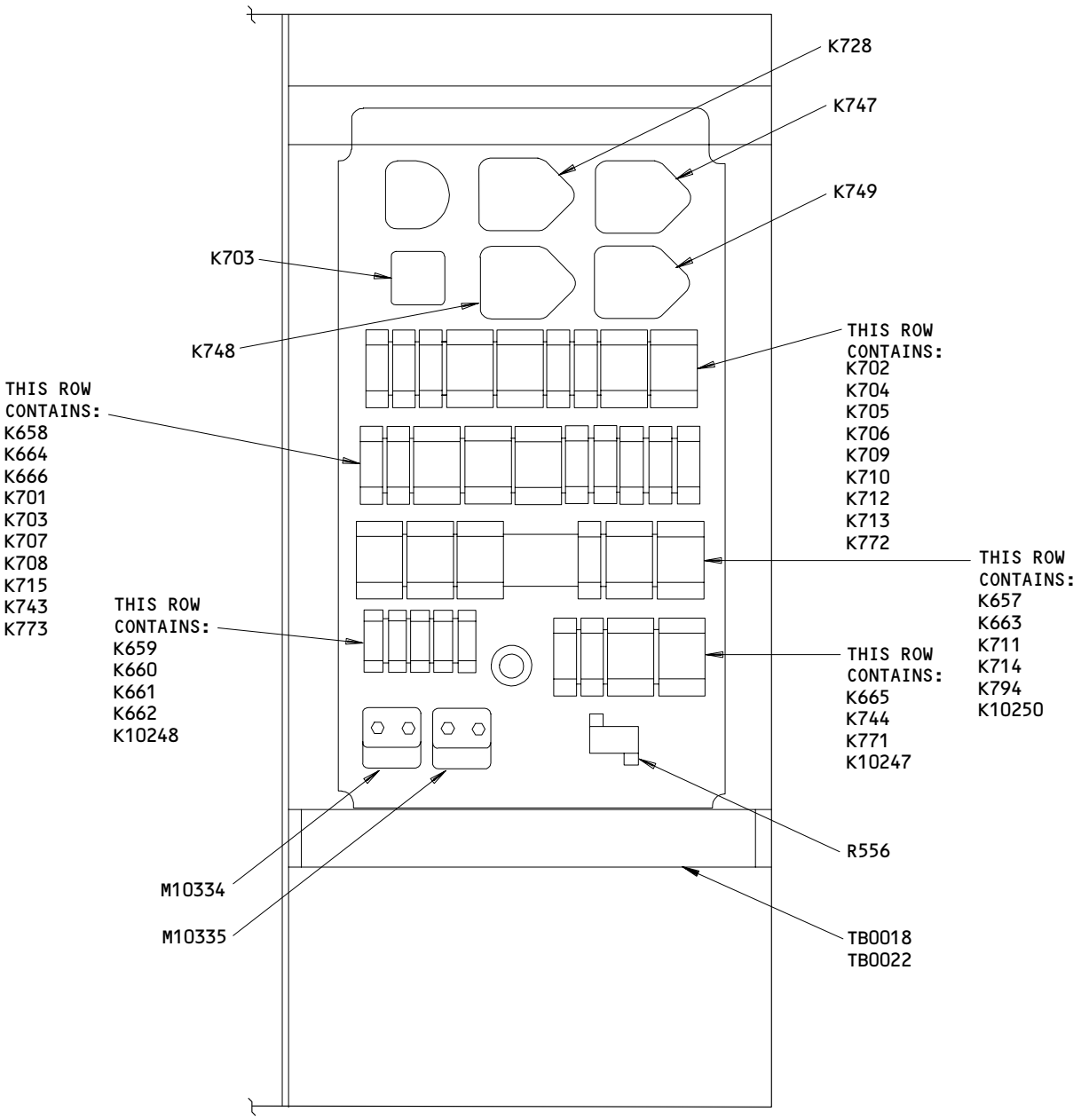


P6-3,P6-4 PANELS

B

Main Power Distribution Panel, P6 - Component Location (Detail from Sht 1)
Figure 102 (Sheet 3)

A65257



P6-5 PANEL

C

Main Power Distribution Panel, P6 - Component Location (Detail from Sht 1)
Figure 102 (Sheet 4)

FORWARD LIGHTING DISTRIBUTION PANEL, P19

COMPONENT	FIG. 102 SHT	QTY	ACCESS/AREA	REFERENCE
MODULE -			831, MAIN PASS CABIN, P19	
M1152	2	1	(A-A)	*
RELAYS -			831, MAIN PASS CABIN, P19	
K4	2	1	(B)	*
K7	2	1	(B)	*
K8	2	1	(B)	*
K42	2	1	(B)	*
K69	2	1	(B)	*
K78	2	1	(B)	*
K79	2	1	(B)	*
K80	2	1	(B)	*
K81	2	1	(B)	*
K321	2	1	(B)	*
K322	2	1	(B)	*
K323	2	1	(B)	*
K324	2	1	(B)	*
K325	2	1	(B)	*
K326	2	1	(B)	*
K358	2	1	(B)	*
K364	2	1	(B)	*
K365	2	1	(B)	*
K370	2	1	(B)	*
K371	2	1	(B)	*
K380	2	1	(B)	*
K381	2	1	(B)	*
K383	2	1	(B)	*
K384	2	1	(B)	*
K385	2	1	(B)	*
K417	2	1	(B)	*
K418	2	1	(B)	*
K455	2	1	(B)	*
K466	2	1	(B)	*
K524	2	1	(B)	*
K604	2	1	(B)	*
K605	2	1	(B)	*
K606	2	1	(B)	*
K642	2	1	(B)	*
K767	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.

Forward Lighting Distribution Panel, P19 - Component Index
Figure 101 (Sheet 1)

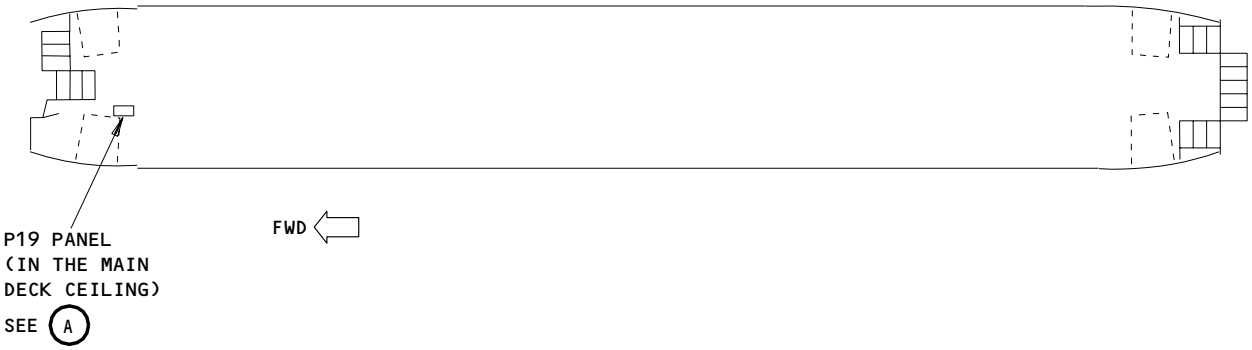
A63817

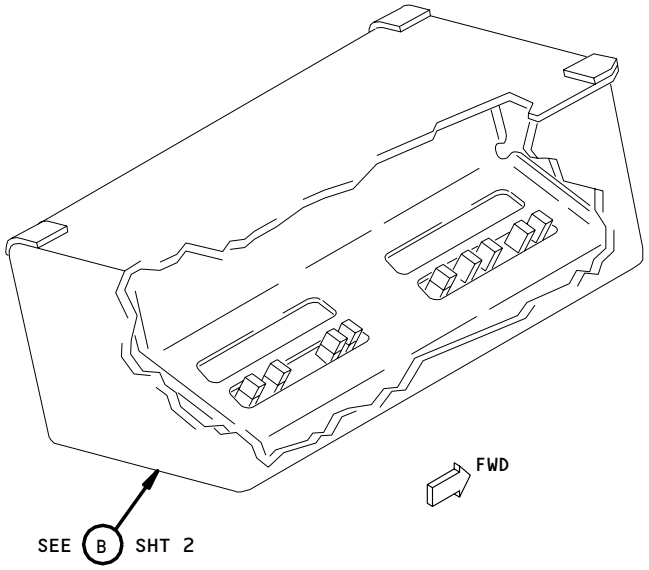
COMPONENT	FIG. 102 SHT	QTY	ACCESS/AREA	REFERENCE
RELAYS (CONT) -			831, MAIN PASS CABIN, P19	
K837	2	1	(B)	*
K838	2	1	(B)	*
K839	2	1	(B)	*
K844	2	1	(B)	*
K845	2	1	(B)	*
K846	2	1	(B)	*
K866	2	1	(B)	*
K868	2	1	(B)	*
K889	2	1	(B)	*
K930	2	1	(B)	*
K931	2	1	(B)	*
K1138	2	1	(B)	*
K1139	2	1	(B)	*
K1140	2	1	(B)	*
K1200	2	1	(B)	*
K1201	2	1	(B)	*
K1202	2	1	(A-A)	*
K1203	2	1	(A-A)	*
K1208	2	1	(B)	*
K1209	2	1	(B)	*
K1254	2	1	(B)	*
K1256	2	1	(B)	*
K1298	2	1	(B)	*
K2122	2	1	(B)	*
K2130	2	1	(B)	*
K2131	2	1	(B)	*
K2132	2	1	(B)	*
				*
TRANSFORMERS -	2		831, MAIN PASSENGER CABIN, P19	
T180		1	(B)	*
T183		1	(B)	*
T184		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.

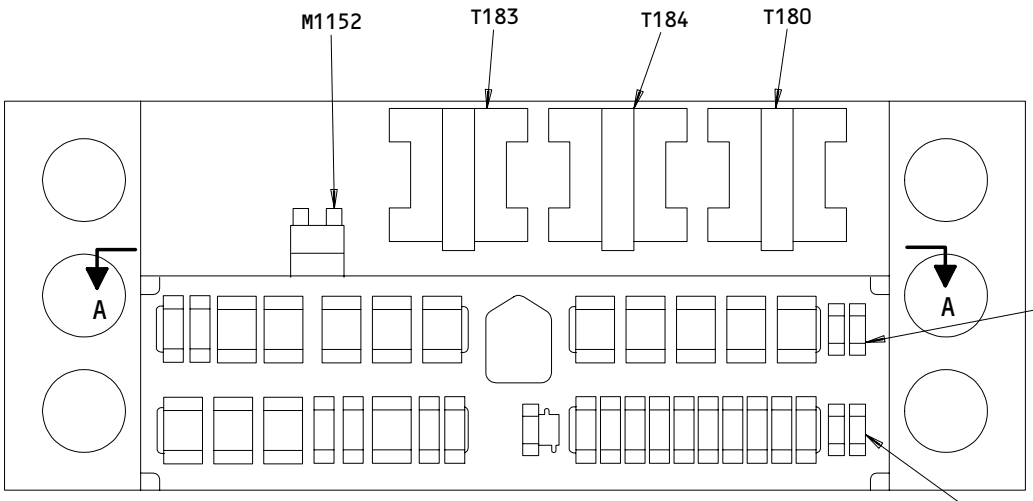
Forward Lighting Distribution Panel, P19 - Component Index
Figure 101 (Sheet 2)





P19 PANEL
A

Forward Lighting Distribution Panel, P19 - Component Location
Figure 102 (Sheet 1)

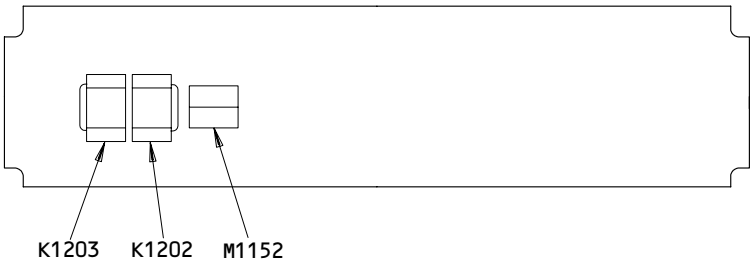


P19 PANEL

B

THIS ROW CONTAINS:
K4
K7
K8
K42
K69
K380
K383
K384
K385
K417
K418
K466
K604
K767
K839
K846
K868
K1208
K1256
K1298
K2132

THIS ROW CONTAINS:
K78
K79
K80
K81
K321
K322
K323
K324
K325
K326
K358
K364
K365
K370
K371
K381
K455
K524
K605
K606
K642
K837
K838
K844
K845
K866
K889
K930
K931
K1138
K1139
K1140
K1200
K1201
K1209
K1254
K2122
K2130
K2131



A–A

Forward Lighting Distribution Panel, P19 – Component Location (Detail from Sht 1)
Figure 102 (Sheet 2)

AFT LIGHTING DISTRIBUTION PANEL, P25

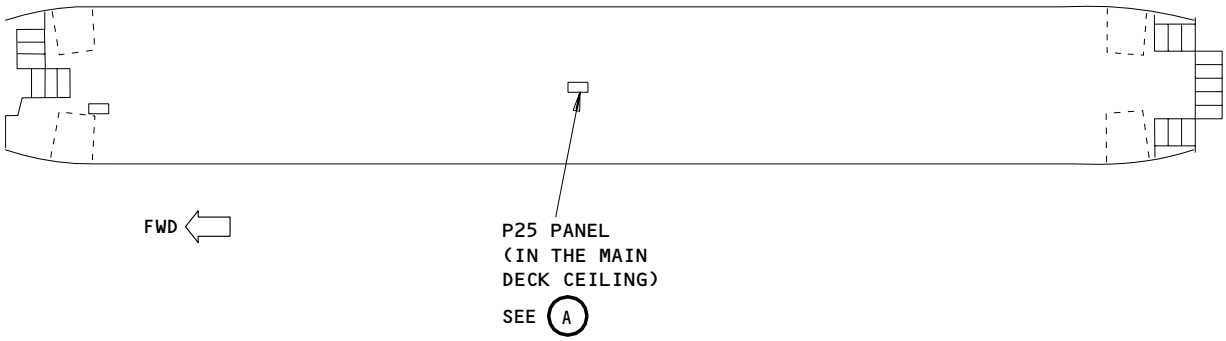
COMPONENT	FIG. 102 SHT	QTY	ACCESS/AREA	REFERENCE
RELAYS -			PASS. COMPT, P25 PANEL, CEILING CENTERLINE	
K82	2	1	(B)	*
K83	2	1	(B)	*
K314	2	1	(B)	*
K315	2	1	(B)	*
K316	2	1	(B)	*
K317	2	1	(B)	*
K318	2	1	(B)	*
K327	2	1	(B)	*
K328	2	1	(B)	*
K382	2	1	(B)	*
K386	2	1	(B)	*
K387	2	1	(B)	*
K388	2	1	(B)	*
K389	2	1	(B)	*
K390	2	1	(B)	*
K391	2	1	(B)	*
K392	2	1	(B)	*
K393	2	1	(B)	*
K530	2	1	(B)	*
K867	2	1	(B)	*
K902	2	1	(B)	*
K903	2	1	(B)	*
K1012	2	1	(B)	*
K1013	2	1	(B)	*
K1014	2	1	(B)	*
K1015	2	1	(B)	*
K1019	2	1	(B)	*
K1020	2	1	(B)	*
K1203	2	1	(B)	*
K1204	2	1	(B)	*
K1205	2	1	(B)	*
K1218	2	1	(B)	*
K1257	2	1	(B)	*
K1300	2	1	(B)	*
K1301	2	1	(B)	*
K1302	2	1	(B)	*
K2191	2	1	(B)	*
K2194	2	1	(B)	*
K2195	2	1	(B)	*
TIME DELAY -			PASS. COMPT, P25 PANEL, CEILING CENTERLINE	
S732	2	1	(B)	*
TRANSFORMERS -			PASS. COMPT, P25 PANEL, CEILING CENTERLINE	
T150	2	1	(D1)	*
T177		1	(A1)	*
T181		1	(C1)	*
T182		1	(B1)	*

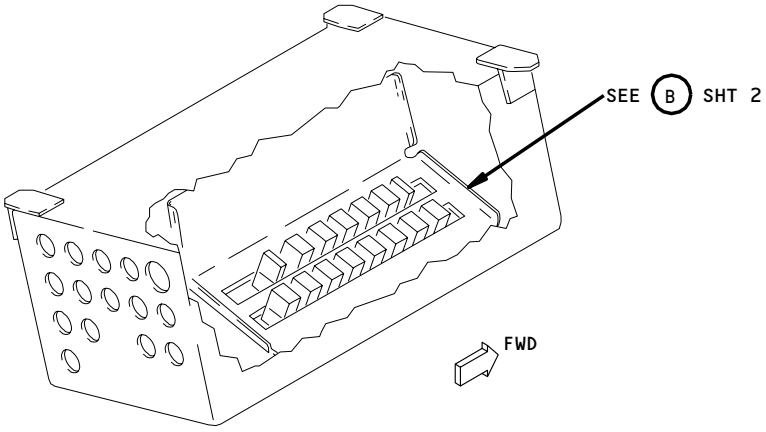
* SEE THE WDM EQUIPMENT LIST

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.

Aft Lighting Distribution Panel, P25 - Component Index
Figure 101

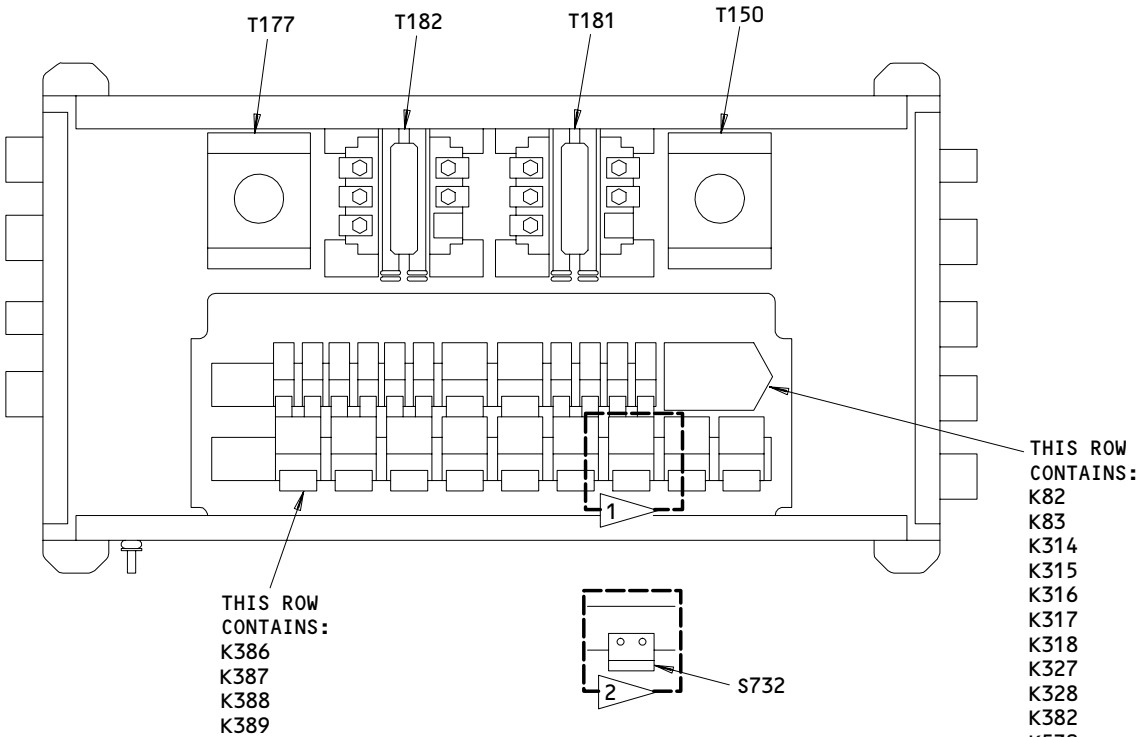
A63826





P25 PANEL
A

Aft Lighting Distribution Panel, P25 - Component Location
Figure 102 (Sheet 1)



1 AIRPLANES WITH RELAY INSTALLED

2 AIRPLANES WITH TIME DELAY INSTALLED

Aft Lighting Distribution Panel, P25 - Component Location (Detail from Sht 1)
Figure 102 (Sheet 2)

A62863

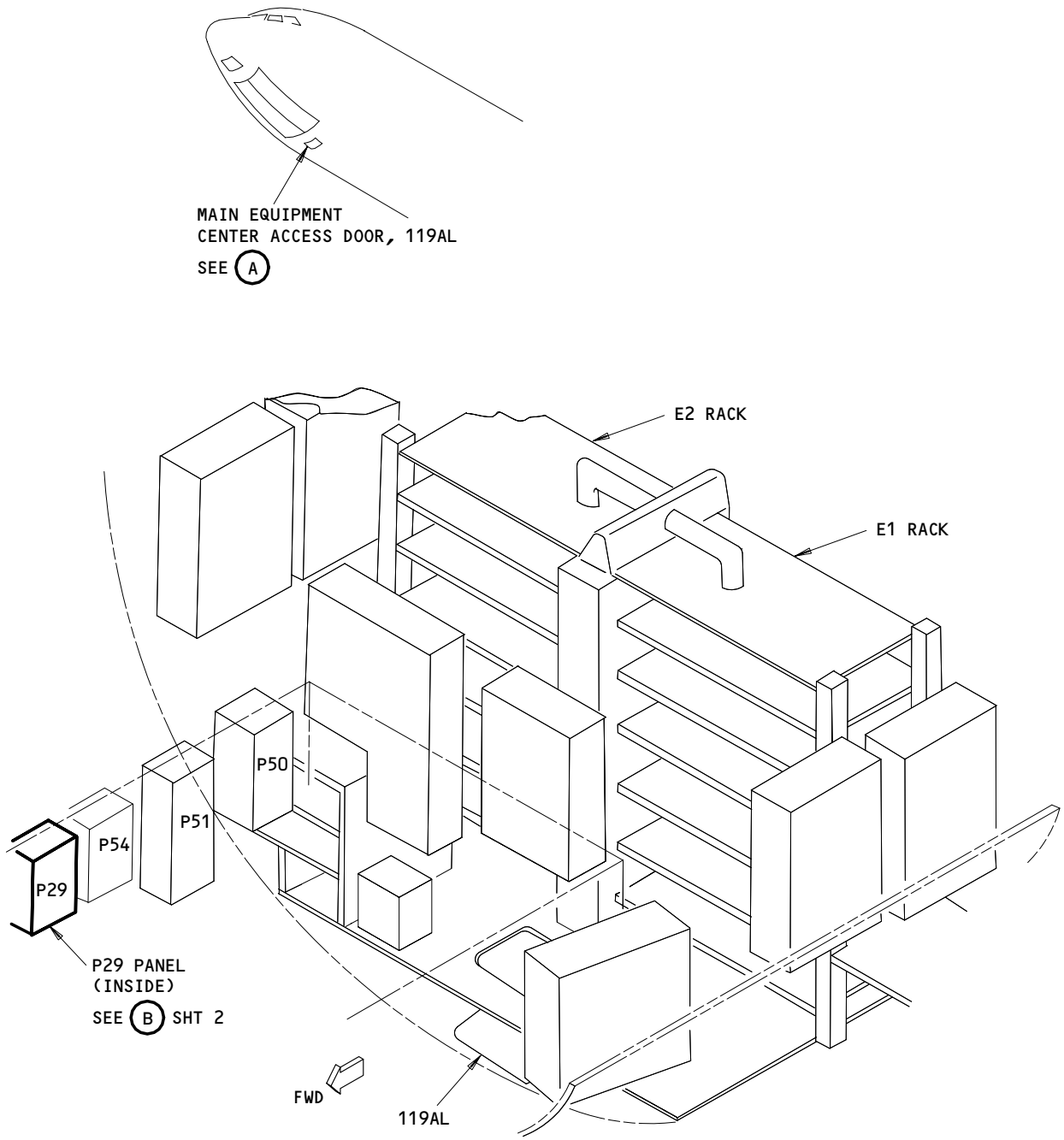
LIGHTING EQUIPMENT PANEL, P29

COMPONENT	FIG. 102 SHT	QTY	ACCESS/AREA	REFERENCE
MODULE -			119AL, MAIN EQUIP CTR, P29	
M001	2	1	(B)	*
M002	2	1	(B)	*
M003	2	1	(B)	*
M004	2	1	(B)	*
M005	2	1	(B)	*
M006	2	1	(B)	*
M007	2	1	(B)	*
M008	2	1	(B)	*
M009	2	1	(B)	*
M010	2	1	(B)	*
				*
RELAYS -			119AL, MAIN EQUIP CTR, P29	
K1	2	1	(B)	*
K2	2	1	(B)	*
K3	2	1	(B)	*
K4	2	1	(B)	*
K5	2	1	(B)	*
K6	2	1	(B)	*
K7	2	1	(B)	*
K8	2	1	(B)	*
K9	2	1	(B)	*
K10	2	1	(B)	*
K11	2	1	(B)	*
K12	2	1	(B)	*
K13	2	1	(B)	*
K14	2	1	(B)	*
K15	2	1	(B)	*
K16	2	1	(B)	*
K17	2	1	(B)	*
K18	2	1	(B)	*
K19	2	1	(B)	*
TERMINAL BLOCKS -			119AL, MAIN EQUIP CTR, P29	
TB0001	2	1	(B)	*
TB0002	2	1	(B)	*
TB0003	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.

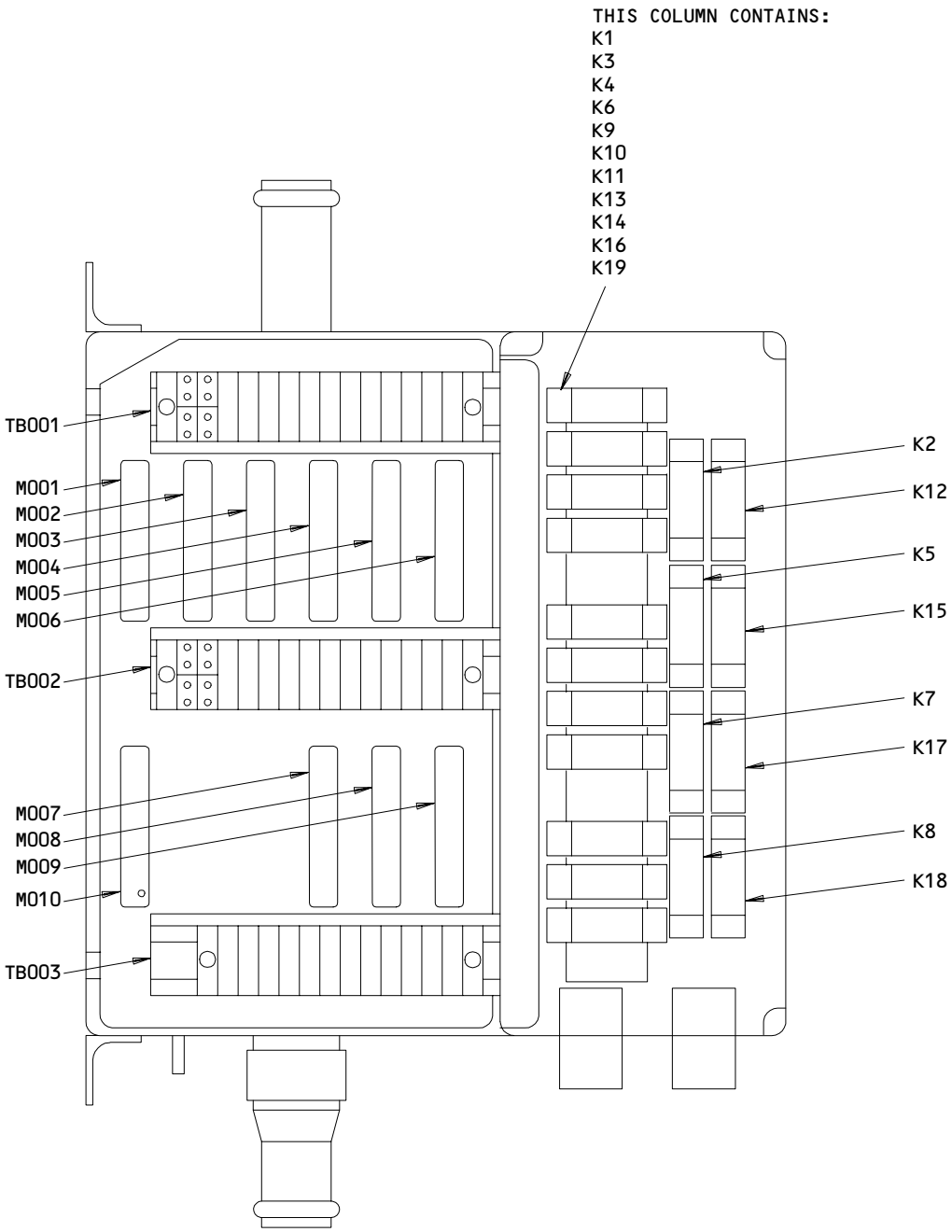
Lighting Equipment Panel, P29 - Component Index
Figure 101



MAIN EQUIPMENT CENTER

A

Lighting Equipment Panel, P29 - Component Location
Figure 102 (Sheet 1)



P29 PANEL (INSIDE)

B

Lighting Equipment Panel, P29 - Component Location (Detail from Sht 1)
Figure 102 (Sheet 2)

159588

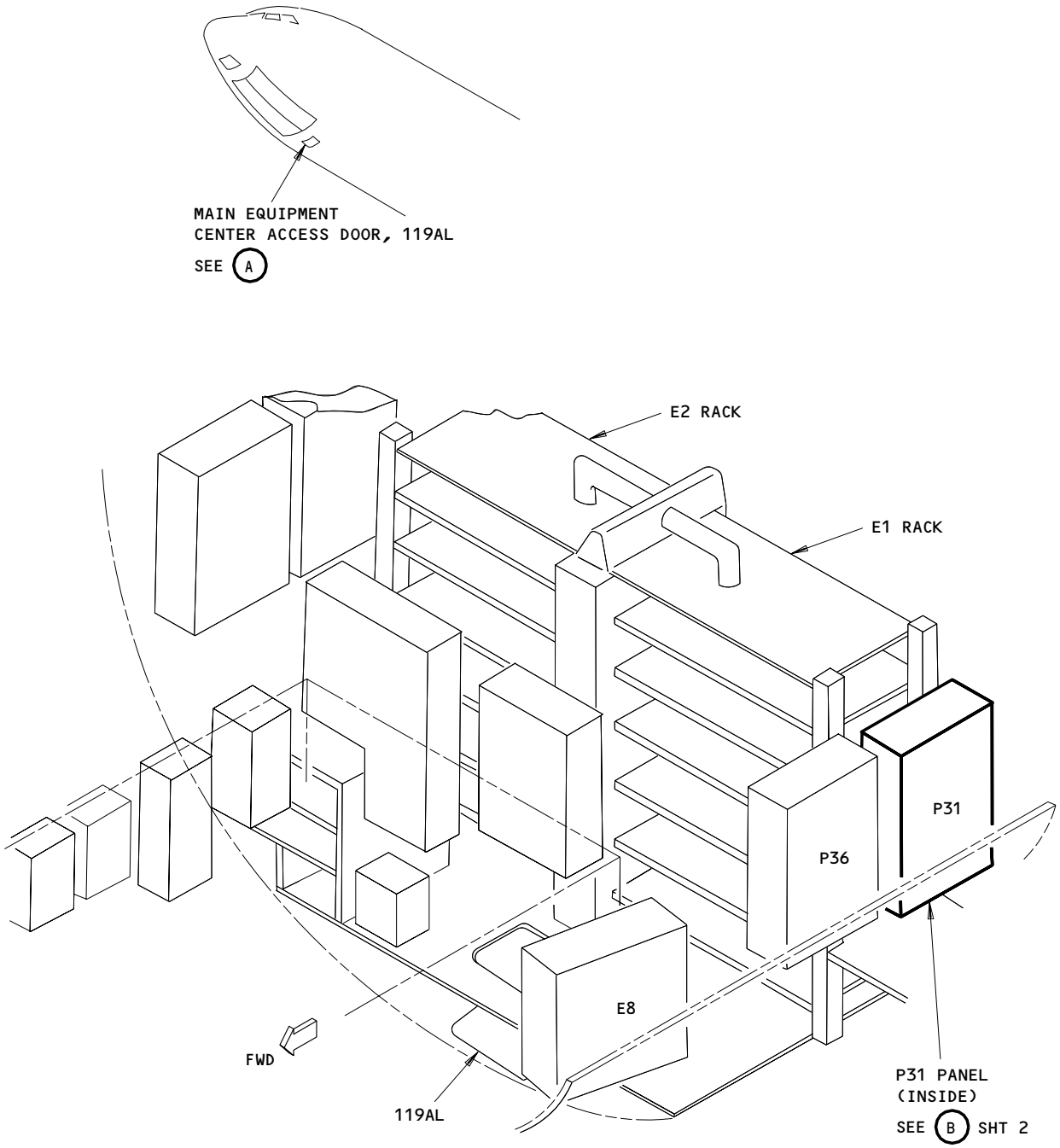
LEFT GENERATOR POWER PANEL, P31

COMPONENT	FIG. 102 SHT	QTY	ACCESS/AREA	REFERENCE
MODULES –			119AL, MAIN EQUIP CTR, P31	
M226	2	1	(B)	*
M227	2	1	(B)	*
M303	2	1	(B)	*
M896	2	1	(B)	*
M897	2	1	(B)	*
M1241	2	1	(B)	*
M1636	2	1	(B)	*
RELAYS –			119AL, MAIN EQUIP CTR, P31	
K14	2	1	(B)	*
K119	2	1	(B)	24-51-05
K526	2	1	(B)	*
K1295	2	1	(B)	*
TERMINAL BLOCKS –			119AL, MAIN EQUIP CTR, P31	
TB5032	2	1	(B)	*
TB0028	2	1	(B)	*
TB0030	2	1	(B)	*
TRANSFORMERS –	2		119AL, MAIN EQUIP CTR, P31	
T105	2	1	(B)	24-23-01
T112	2	1	(B)	24-23-01
T127	2	1	(B)	24-23-01
T155	2	1	(B)	*
T157	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.

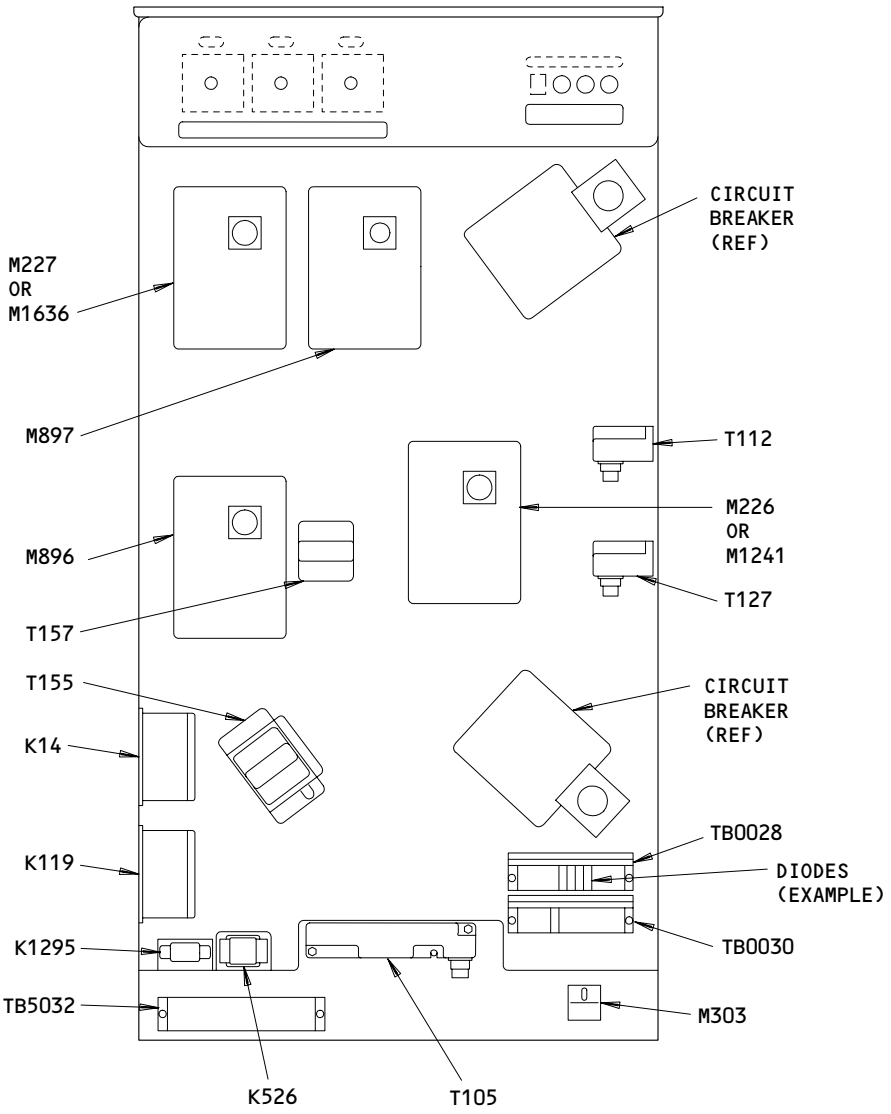
Left Generator Power Panel, P31 – Component Index
Figure 101



MAIN EQUIPMENT CENTER
A

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

A61783



P31 PANEL
(INSIDE)
B

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

A66178

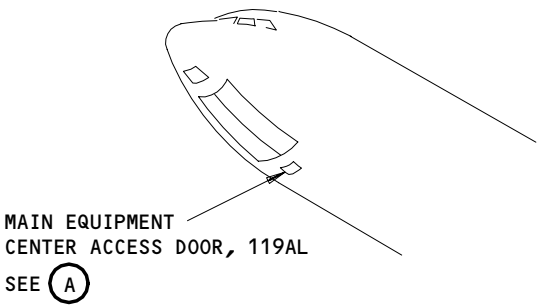
RIGHT GENERATOR POWER PANEL, P32

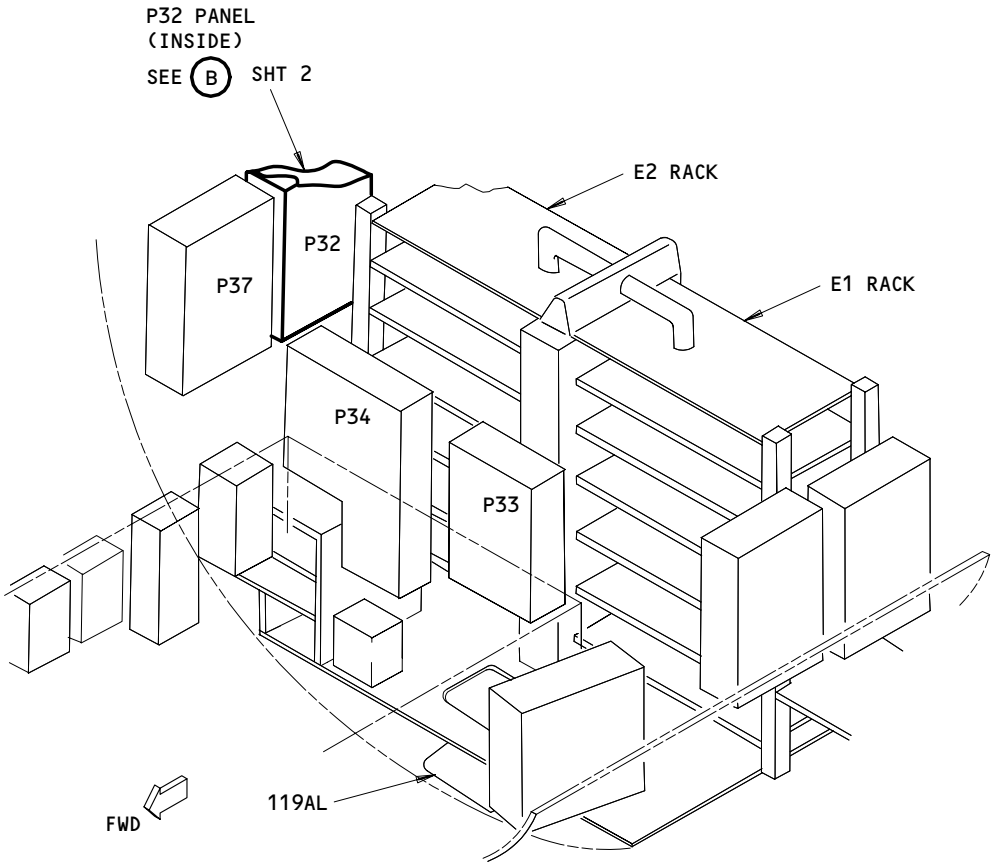
COMPONENT	FIG. 102 SHT	QTY	ACCESS/AREA	REFERENCE
MODULES –			119AL, MAIN EQUIP CTR, P32	
M225	2	1	(B)	*
M226	2	1	(B)	*
M304	2	1	(B)	*
M895	2	1	(B)	*
M898	2	1	(B)	*
M1241	2	1	(B)	*
RELAYS –			119AL, MAIN EQUIP CTR, P32	
K14	2	1	(B)	*
K102	2	1	(B)	24-51-03
K120	2	1	(B)	24-51-05
K527	2	1	(B)	*
K1296	2	1	(B)	*
TERMINAL BLOCKS –			119AL, MAIN EQUIP CTR, P32	
TB0032	2	1	(B)	24-23-01
TB0034	2	1	(B)	24-23-01
TB5034	2	1	(B)	*
TRANSFORMERS, CURRENT –			119AL, MAIN EQUIP CTR, P32	
T107	2	1	(B)	24-23-01
T113	2	1	(B)	24-23-01
T128	2	1	(B)	24-23-01
T156	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.

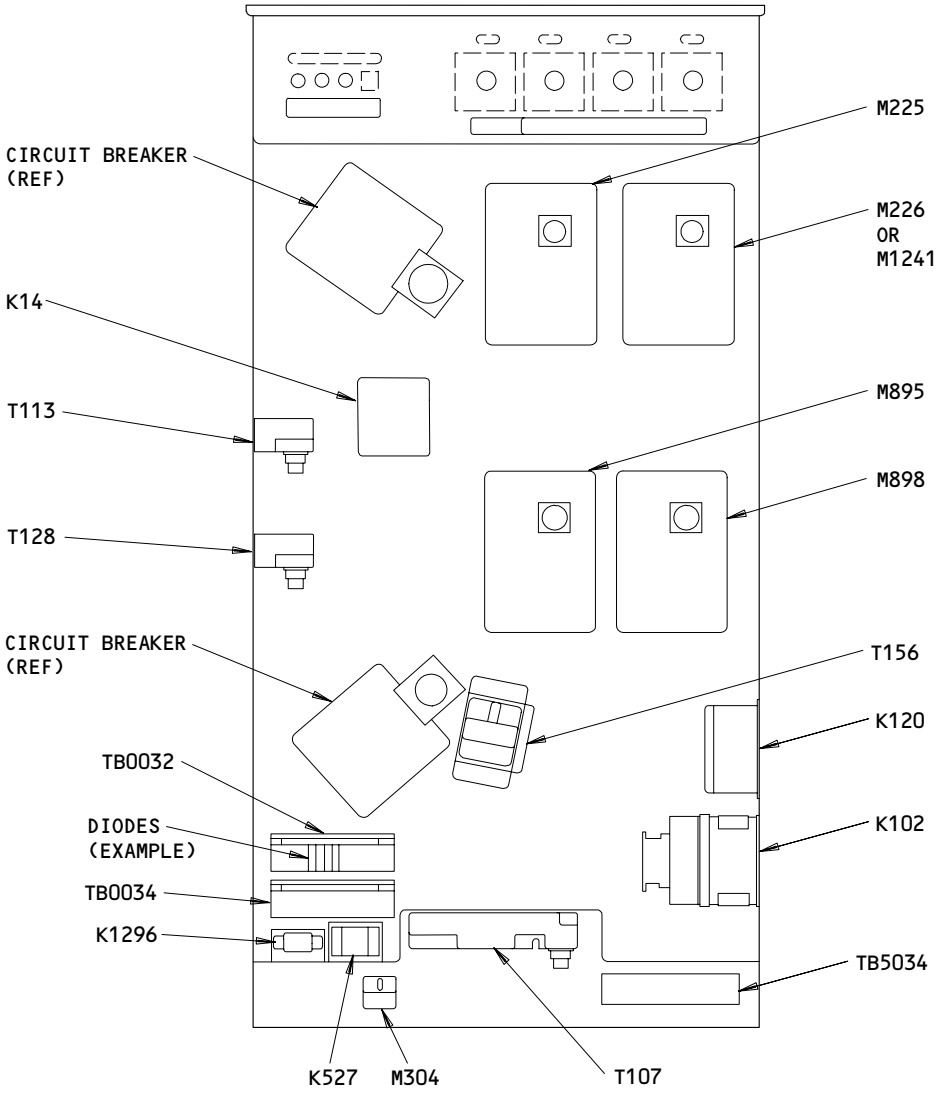
Right Generator Power Panel, P32 – Component Index
Figure 101





MAIN EQUIPMENT CENTER
A

Right Generator Power Panel, P32 - Component Location
Figure 102 (Sheet 1)



P32 PANEL (INSIDE)

B

Right Generator Power Panel, P32 - Component Location (Detail from Sht 1)
Figure 102 (Sheet 2)

FORWARD MISCELLANEOUS ELECTRICAL EQUIPMENT PANEL, P33

COMPONENT	FIG. 102 SHT	QTY	ACCESS/AREA	AMM REFERENCE
MODULE -			119AL, MAIN EQUIP CTR, P33	
M299	5	1	(F)	*
M300	5	1	(F)	*
M500	5	1	(F)	*
M605	3	1	(C)	*
M606	3	1	(C)	*
M920	5	1	(F)	*
M924	5	1	(F)	*
M963	5	1	(F)	*
M1084	5	1	(F)	*
M1990	6	1	(G)	*
M1991	6	1	(G)	*
M10439	5	1	(F)	*
M10440	5	1	(F)	*
RELAY -			119AL, MAIN EQUIP CTR, P33	
K49	4	1	(D)	*
K50	4	1	(D)	*
K51	3	1	(C)	*
K52	3	1	(C)	*
K53	3	1	(C)	*
K54	3	1	(C)	*
K55	3	1	(C)	*
K56	3	1	(C)	*
K87	3	1	(C)	*
K88	3	1	(C)	*
K115	4	1	(D)	*
K126	3	1	(C)	*
K127	3	1	(C)	*
K128	3	1	(C)	*
K188	4	1	(D)	*
K216	3	1	(C)	*
K217	3	1	(C)	*
K218	3	1	(C)	*
K220	3	1	(C)	*
K241	3	1	(C)	*
K243	3	1	(C)	*
K310	4	1	(D)	*
K312	4	1	(D)	*
K350	4	1	(D)	*
K352	3	1	(C)	*
K353	3	1	(C)	*
K359	5	1	(E)	*
K360	5	1	(E)	*
K361	5	1	(E)	*
K372	4	1	(D)	*
K373	4	1	(D)	*
K374	4	1	(D)	*
K376	4	1	(D)	*
K400	3	1	(C)	*
K401	4	1	(D)	*
K402	3	1	(D)	*
K403	4	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.

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

COMPONENT	FIG. 102 SHT	QTY	ACCESS/AREA	AMM REFERENCE
RELAY (CONT) -			119AL, MAIN EQUIP CTR, P33	
K411	3	1	(C)	*
K414	4	1	(D)	*
K458	5	1	(F)	*
K459	5	1	(F)	*
K460	3	1	(C)	*
K494	3	1	(C)	*
K498	4	1	(D)	*
K513	4	1	(D)	*
K514	4	1	(D)	32-09-02
K515	3	1	(E)	32-09-02
K516	3	1	(C)	32-09-02
K517	4	1	(D)	32-09-02
K518	4	1	(D)	32-09-02
K520	4	1	(D)	32-09-02
K522	4	1	(D)	32-09-02
K528	4	1	(D)	32-09-02
K550	3	1	(C)	*
K552	3	1	(C)	32-09-02
K622	5	1	(E)	*
K623	4	1	(D)	*
K634	4	1	(D)	*
K643	4	1	(D)	*
K644	3	1	(C)	*
K645	3	1	(C)	*
K646	4	1	(D)	*
K717	3	1	(C)	*
K729	4	1	(D)	*
K762	3	1	(C)	*
K777	3	1	(C)	*
K928	3	1	(C)	*
K1040	4	1	(D)	*
K1069	3	1	(C)	*
K1148	3	1	(C)	*
K1149	3	1	(C)	*
K1150	4	1	(D)	*
K1153	4	1	(D)	*
K1154	4	1	(D)	*
K1155	3	1	(C)	*
K1156	3	1	(C)	*
K1189	4	1	(D)	*
K2160	6	1	(G)	*
K2161	6	1	(G)	*
K2181	6	1	(G)	*
K2182	6	1	(G)	*
K2185	6	1	(G)	*
K2186	6	1	(G)	*
K2187	6	1	(G)	*
K2188	6	1	(G)	*

* 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.

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

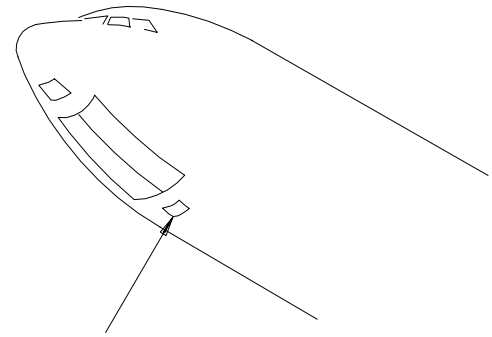
COMPONENT	FIG. 102 SHT	QTY	ACCESS/AREA	REFERENCE
RELAYS (CONT) -			119AL, MAIN EQUIP CTR, P33	
K1305	4	1	(D)	*
K2075	4	1	(D)	*
K2110	4	1	(D)	*
K2111	4	1	(D)	*
K2112	4	1	(D)	*
K2113	4	1	(D)	*
K2114	4	1	(D)	*
K2115	4	1	(D)	*
K2116	4	1	(D)	*
K2151	4	1	(D)	*
K2152	4	1	(D)	*
K10316	4	1	(D)	*
K10317	3	1	(C)	*
K10318	3	1	(C)	*
K10358	3	1	(C)	*
K10359	4	1	(D)	*
TERMINAL BLOCKS -			119AL, MAIN EQUIP CTR, P33	
TB90	4	1	(D)	*
TB92	3	1	(C)	*
TB186	2	1	(B)	*
TB188	2	1	(B)	*
TB196	2	1	(B)	*
TB200	2	1	(B)	*
TB266	4	1	(D)	*
TB268	3	1	(C)	*
TRANSFORMER -			119AL, MAIN EQUIP CTR, P33	
T126	5	1	(E)	*

* SEE THE WDM EQUIPMENT LIST

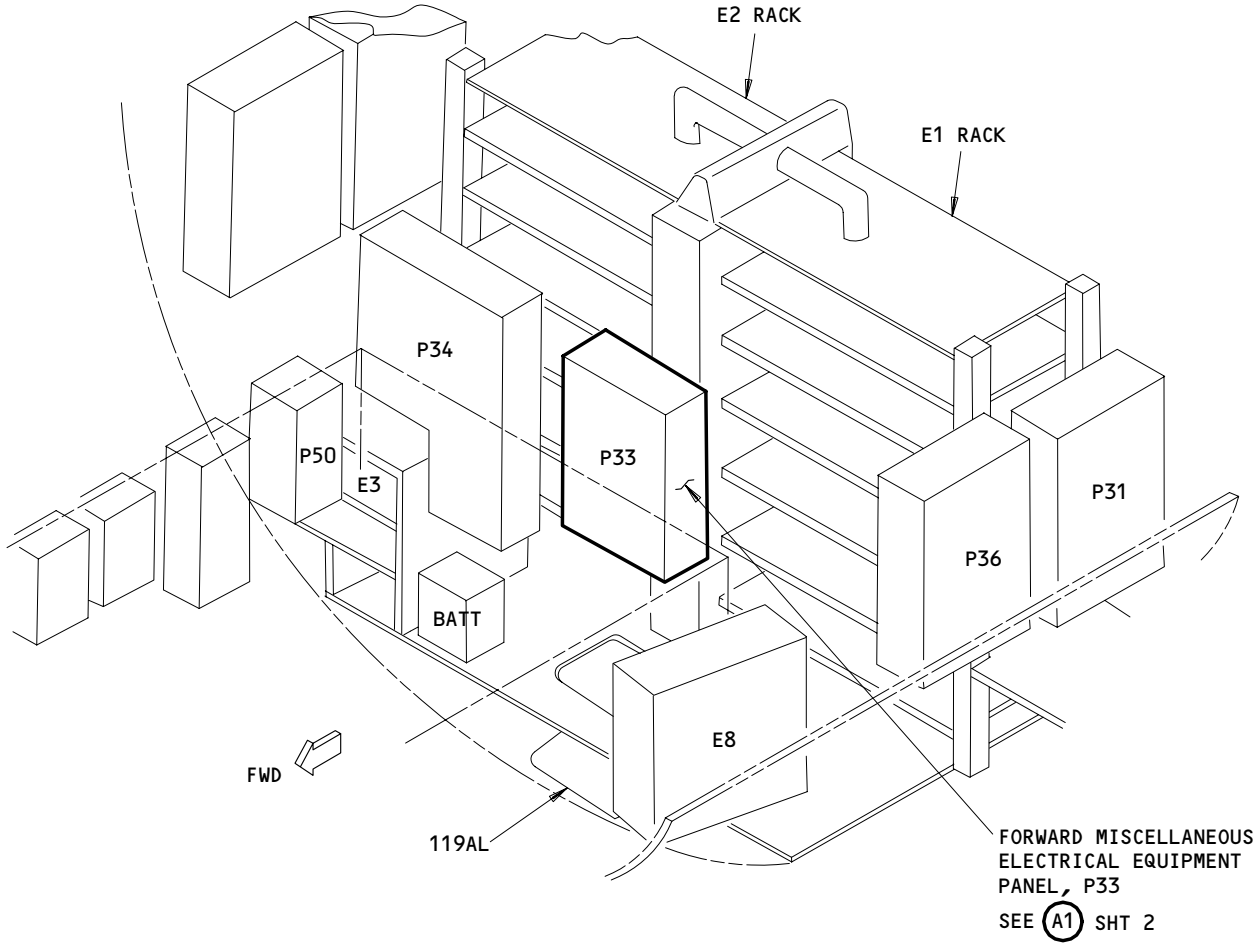
NOTE: THE (X) BELOW THE ACCESS/AREA REFERS TO THE VIEW SHOWN ON FIG. 102. THIS HELPS YOU FIND THE COMPONENTS ON THE ILLUSTRATION. FOR EXAMPLE, (A) REFERS TO VIEW A.

Forward Miscellaneous Electrical Equipment Panel, P33 - Component Index
Figure 101 (Sheet 3)

A61576

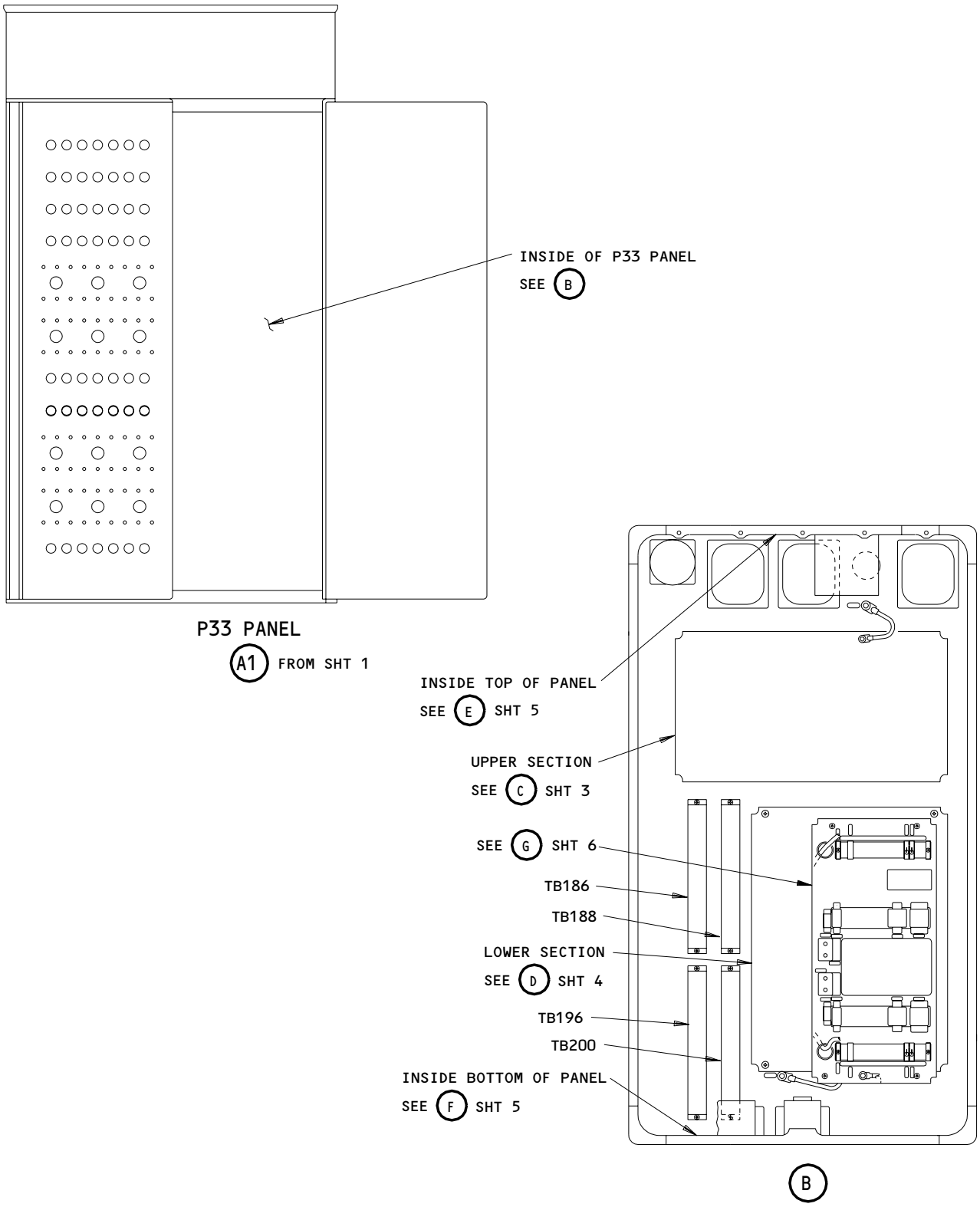


MAIN EQUIPMENT CENTER
ACCESS DOOR, 119AL
SEE (A)

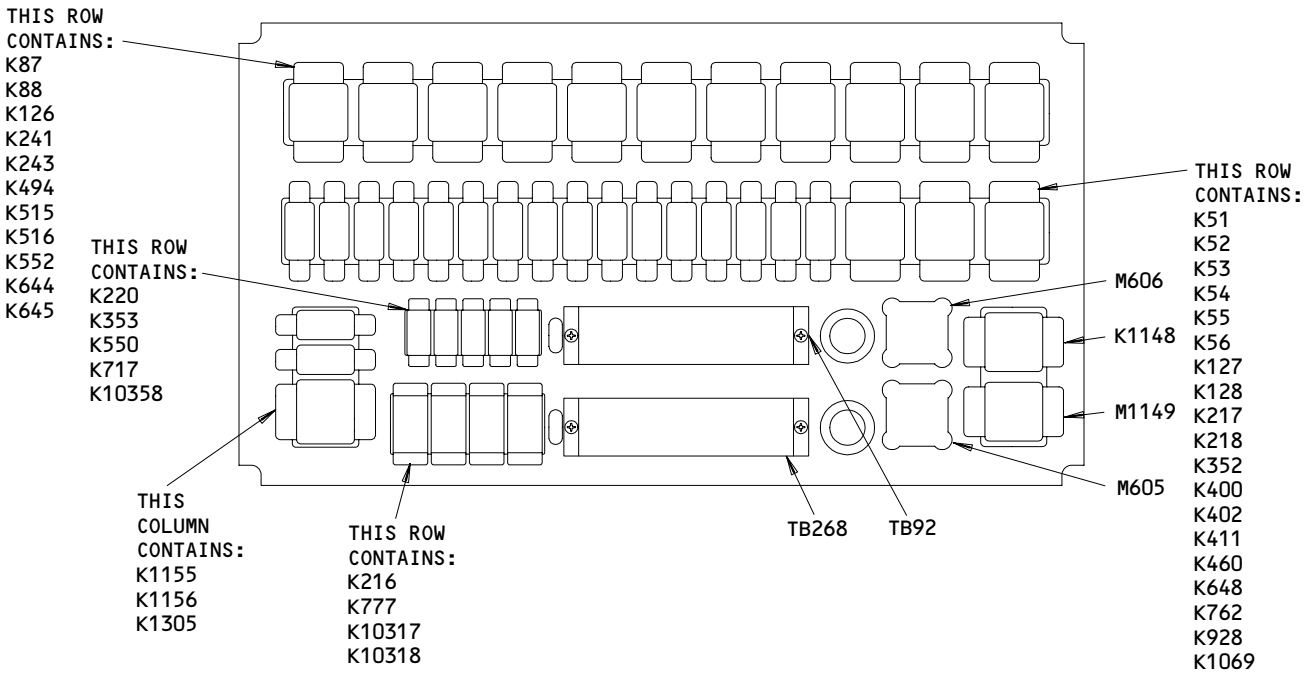


MAIN EQUIPMENT CENTER
(A)

Forward Miscellaneous Electrical Equipment Panel, P33 - Component Location
Figure 102 (Sheet 1)

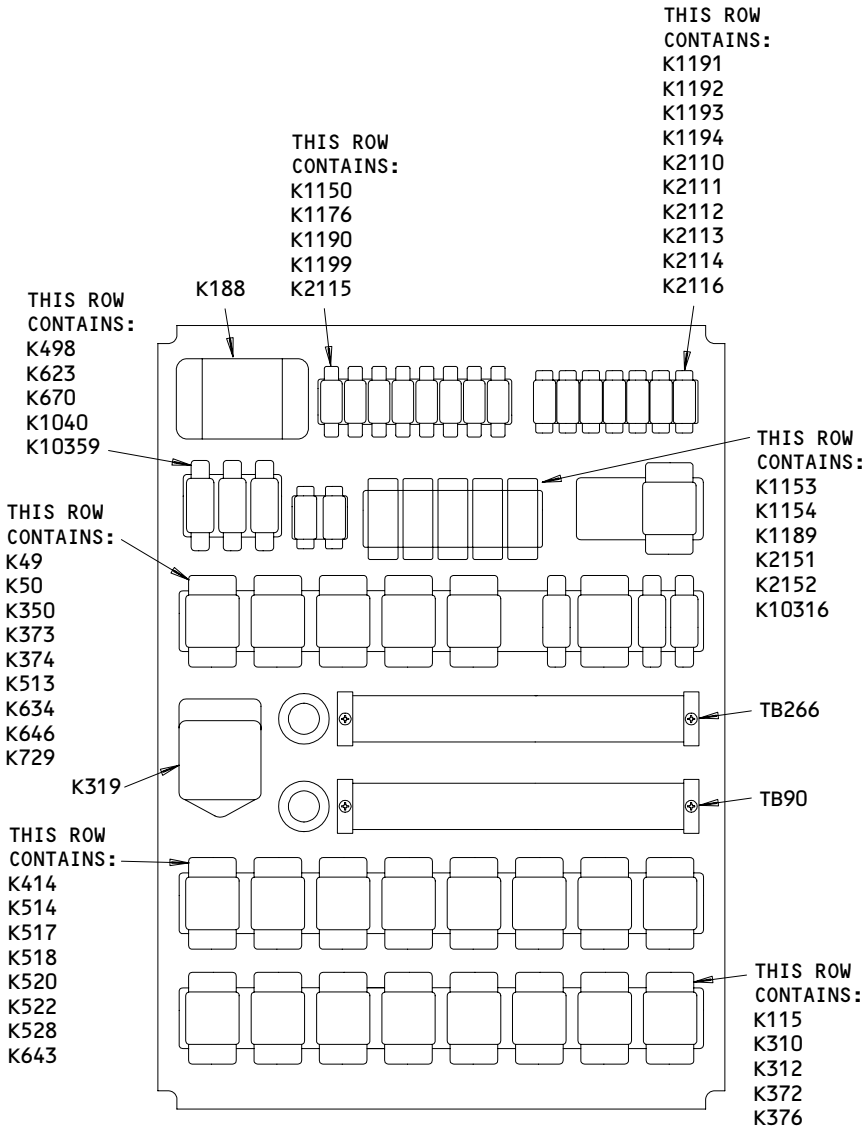


Forward Miscellaneous Electrical Equipment Panel, P33 - Component Location
Figure 102 (Sheet 2)



P33 PANEL
(UPPER SECTION)
C

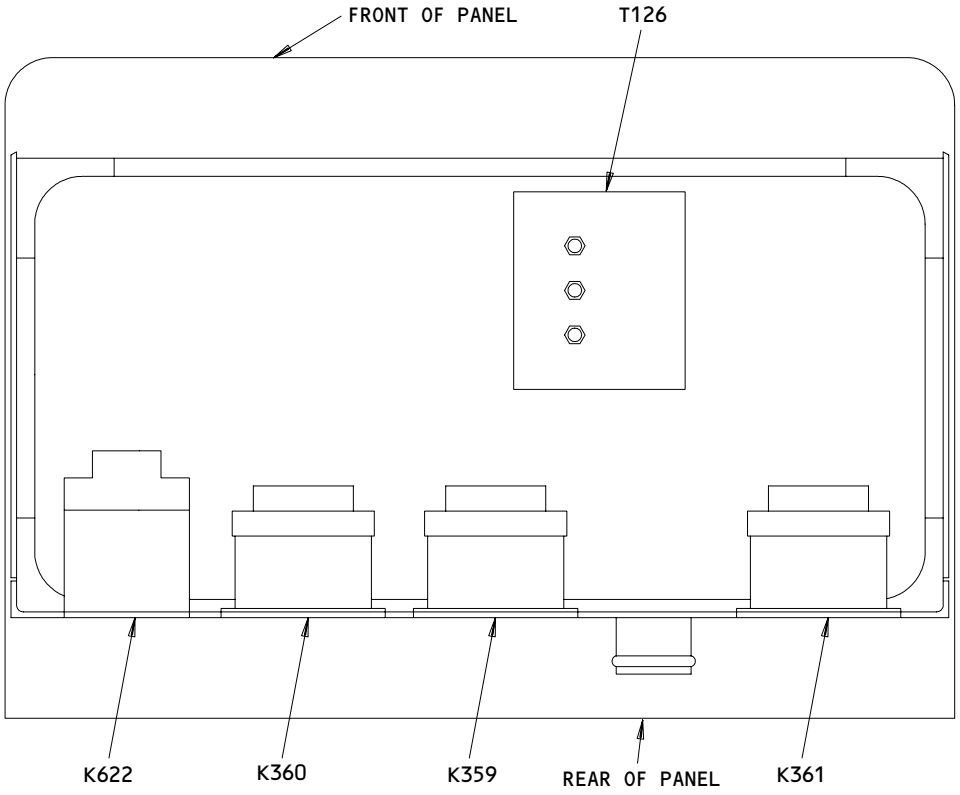
Forward Miscellaneous Electrical Equipment Panel, P33 - Component Location
(Detail from Sht 2)
Figure 102 (Sheet 3)



P33 PANEL
(LOWER SECTION)

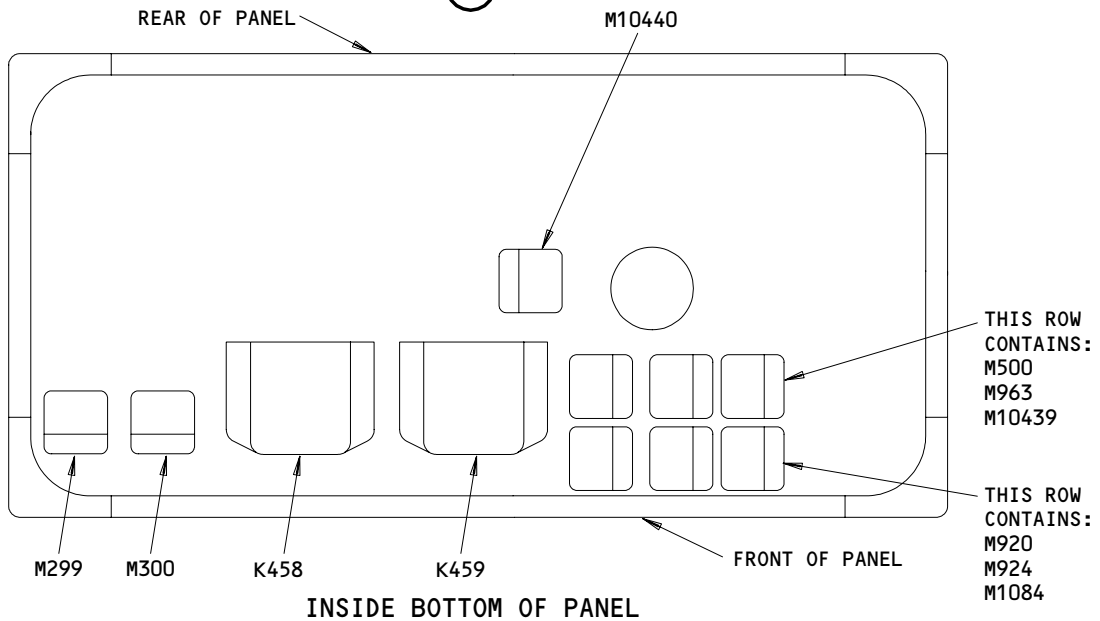
D

Forward Miscellaneous Electrical Equipment Panel, P33 - Component Location
(Detail from Sht 2)
Figure 102 (Sheet 4)



INSIDE TOP OF PANEL

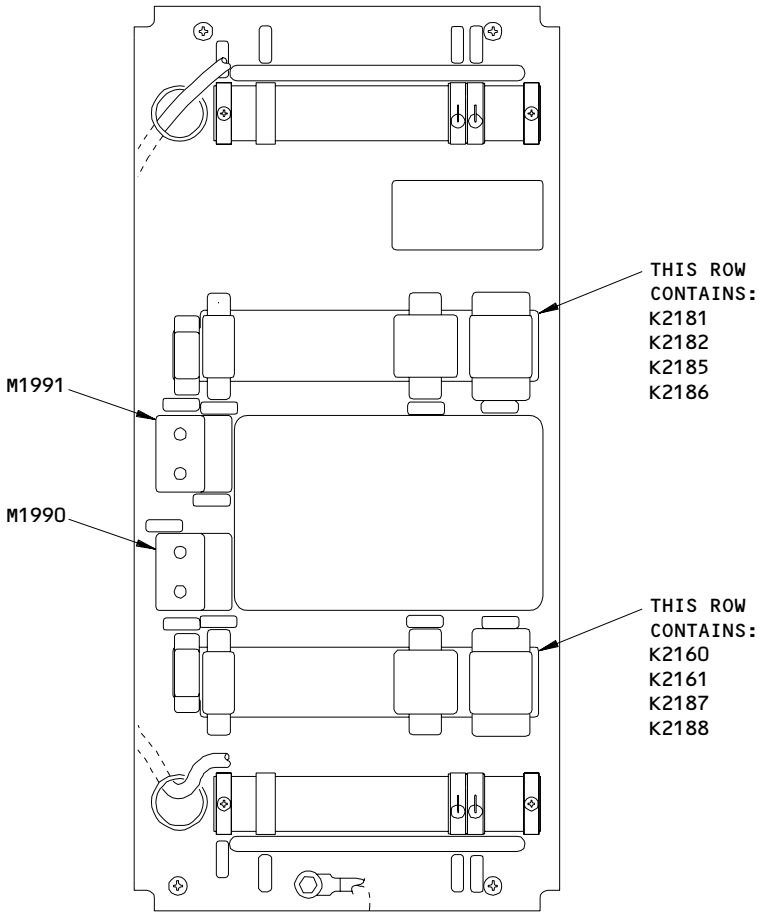
E



INSIDE BOTTOM OF PANEL

F

Forward Miscellaneous Electrical Equipment Panel, P33 - Component Location
(Details from Sht 2)
Figure 102 (Sheet 5)



P33 PANEL
(LOWER SECTION)

G

Foward Miscellaneous Electrical Equipment Panel, P33 - Component Location
(Detail from Sht 2)
Figure 102 (Sheet 6)

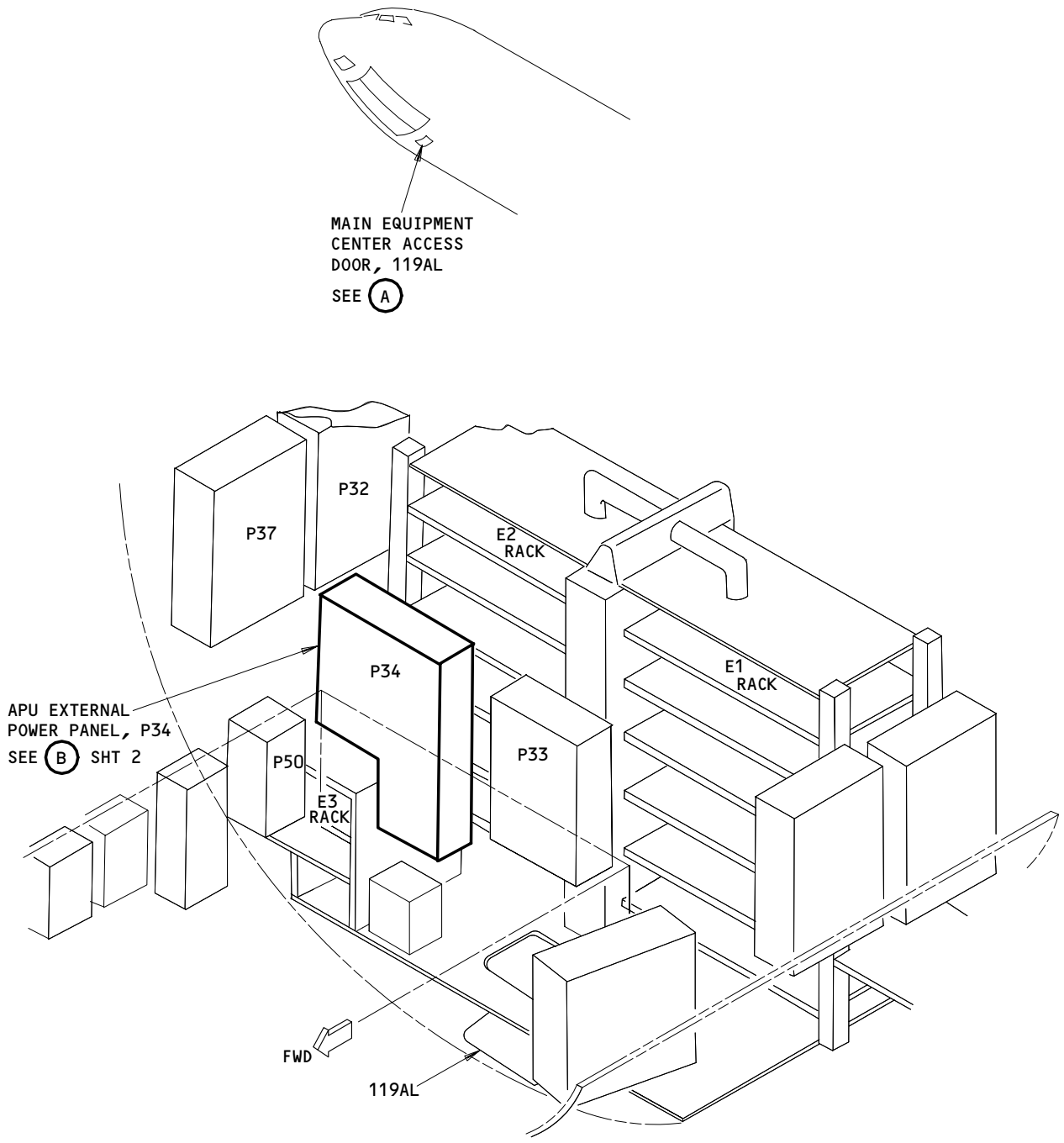
APU EXTERNAL POWER PANEL, P34

COMPONENT	FIG. 102 SHT	QTY	ACCESS/AREA	REFERENCE
RELAYS -	2		119AL, MAIN EQUIP CTR, P34	
K101		1	(B)	*
K103		1	(B)	*
K114		1	(B)	*
TERMINAL BLOCK -	2		119AL, MAIN EQUIP CTR, P34	
TB0024		1	(B)	*
TRANSFORMERS -	2		119AL, MAIN EQUIP CTR, P34	
T103		1	(B)	*
T111		1	(B)	*
T115		1	(B)	*
T116		1	(B)	*
T122		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.

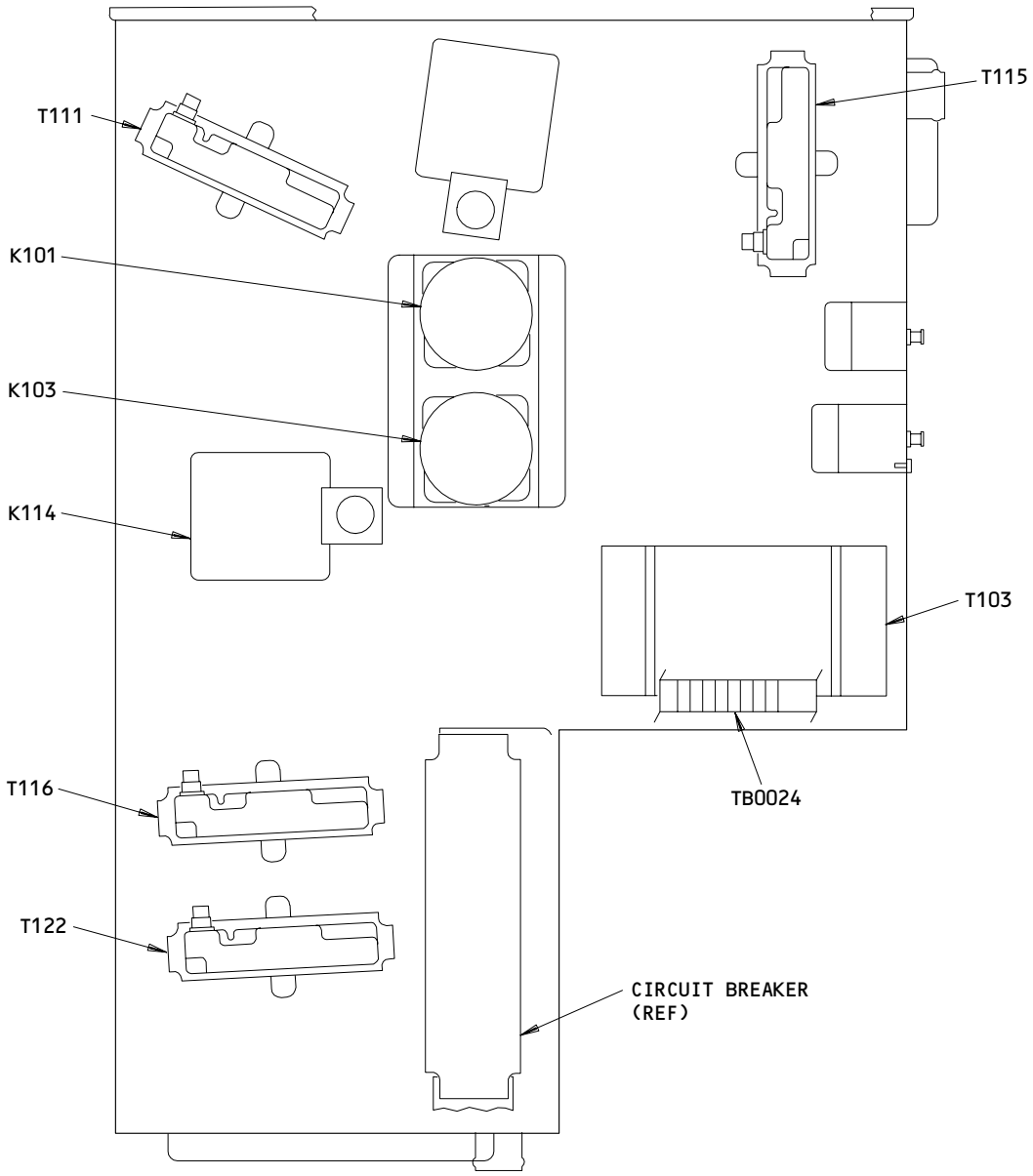
APU External Power Panel, P34 - Component Index
Figure 101



MAIN EQUIPMENT CENTER

A

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



P34 PANEL
B

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

FORWARD COMPARTMENT CARGO HANDLING ACCESSORY PANEL, P35

COMPONENT	FIG. 102 SHT	QTY	ACCESS/AREA	REFERENCE
RELAYS -	2		821, FWD CARGO DOOR, P35	
K30		1	(C)	*
K31		1	(C)	*
K32		1	(C)	*
K33		1	(C)	*
K34		1	(C)	*
K35		1	(C)	*
K76		1	(C)	*
K77		1	(C)	*
K245	3	1	(C)	*
K246	2	1	(C)	*
K247		1	(C)	*
K256		1	(C)	*
K257		1	(C)	*
K258		1	(C)	*
K262		1	(C)	*
K264		1	(C)	*
K265		1	(C)	*
K266		1	(C)	*
K267		1	(C)	*
K268		1	(C)	*
K270		1	(C)	*
K275		1	(C)	*
K277		1	(C)	*
K331		1	(C)	*
K332		1	(C)	*
K333		1	(C)	*
K334		1	(C)	*
K488		1	(C)	*
K489		1	(C)	*
K506		1	(C)	*
K542		1	(C)	*
K543		1	(C)	*
K553		1	(C)	*
K576		1	(C)	*
K577		1	(C)	*
K578		1	(C)	*
K579		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.

Forward Compartment Cargo Handling Accessory Panel, P35 - Component Index
Figure 101 (Sheet 1)

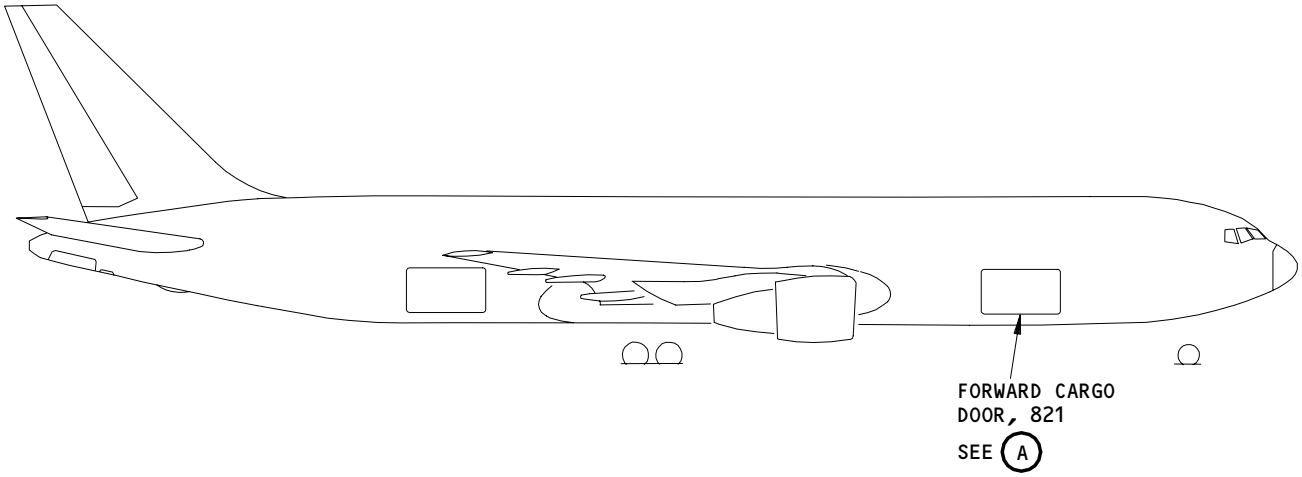
COMPONENT	FIG. 102 SHT	QTY	ACCESS/AREA	REFERENCE
RELAYS (CONT) -	2		821, FWD CARGO DOOR, P35	
K580		1	(C)	*
K581		1	(C)	*
K582		1	(C)	*
K583		1	(C)	*
K584		1	(C)	*
K585		1	(C)	*
K589		1	(C)	*
K590		1	(C)	*
K591		1	(C)	*
K592		1	(C)	*
K593		1	(C)	*
K594		1	(C)	*
K595		1	(C)	*
K596		1	(C)	*
K600		1	(C)	*
K979		1	(C)	*
K980		1	(C)	*
K981		1	(C)	*
K982		1	(C)	*
K983		1	(C)	*
K1000		1	(C)	*
K1082		1	(C)	*
SWITCHES -	3		821, FWD CARGO DOOR, P35	
S383		1	(D)	*
S384		1	(D)	*
S387		1	(D)	*
S388		1	(D)	*
S402		1	(D)	*
S563		1	(D)	*
S675	3	1	(D)	*
S676	3	1	(D)	*
S677	3	1	(D)	*
S678	3	1	(D)	*
S679	3	1	(D)	*
S698	3	1	(D)	*
TRANSFORMERS -	3		821, FWD CARGO DOOR, P35	
T148		1	(D)	*
T186		1	(D)	*

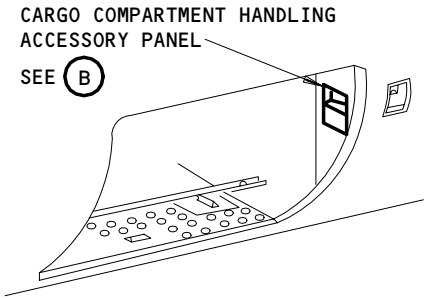
* SEE THE WDM EQUIPMENT LIST

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.

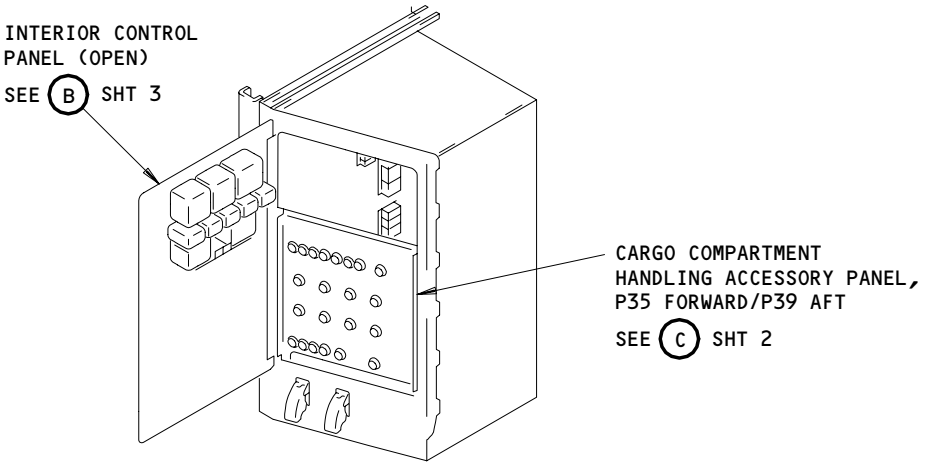
Forward Compartment Cargo Handling Accessory Panel, P35 - Component Index
Figure 101 (Sheet 2)

213186



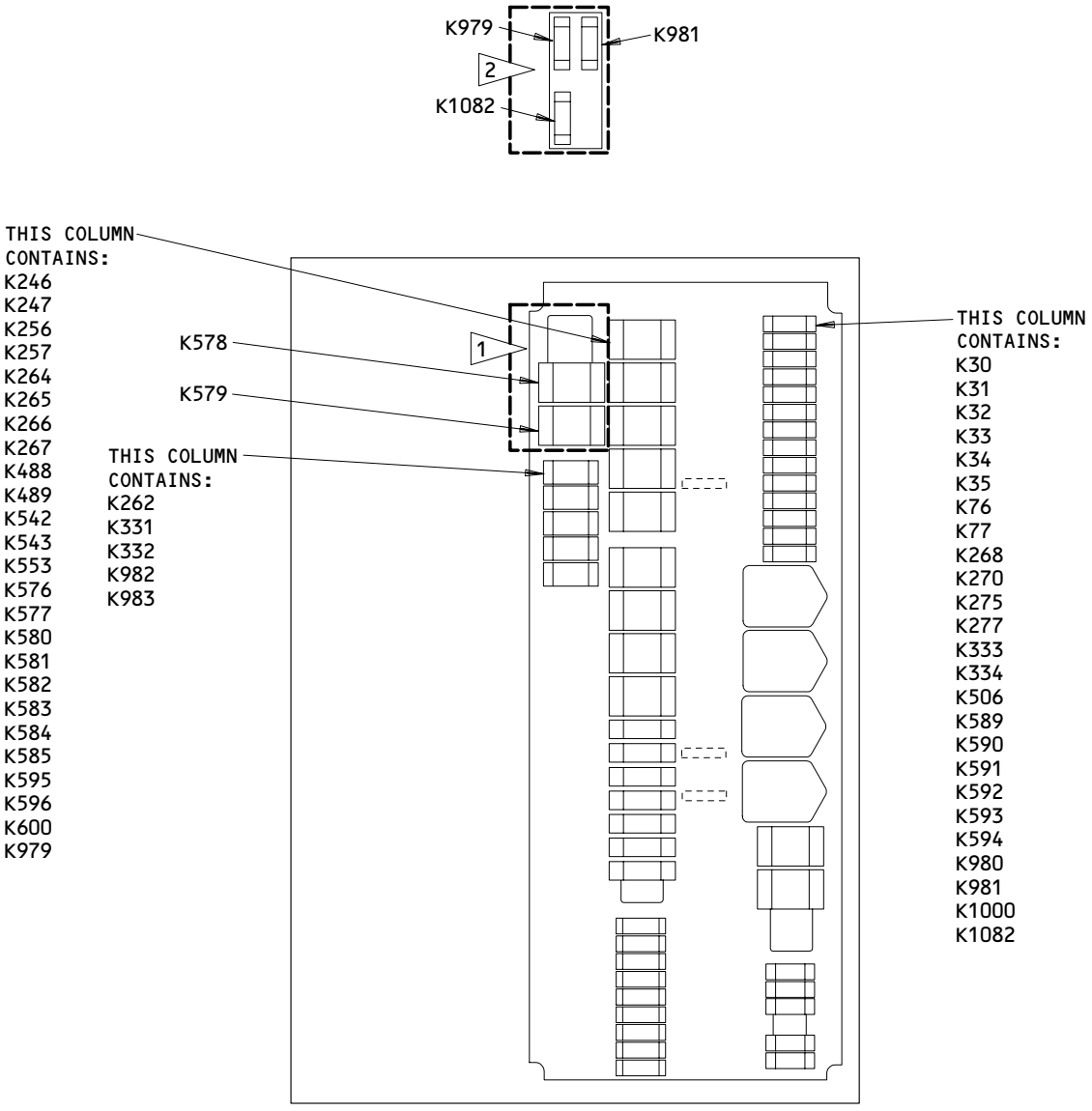


A



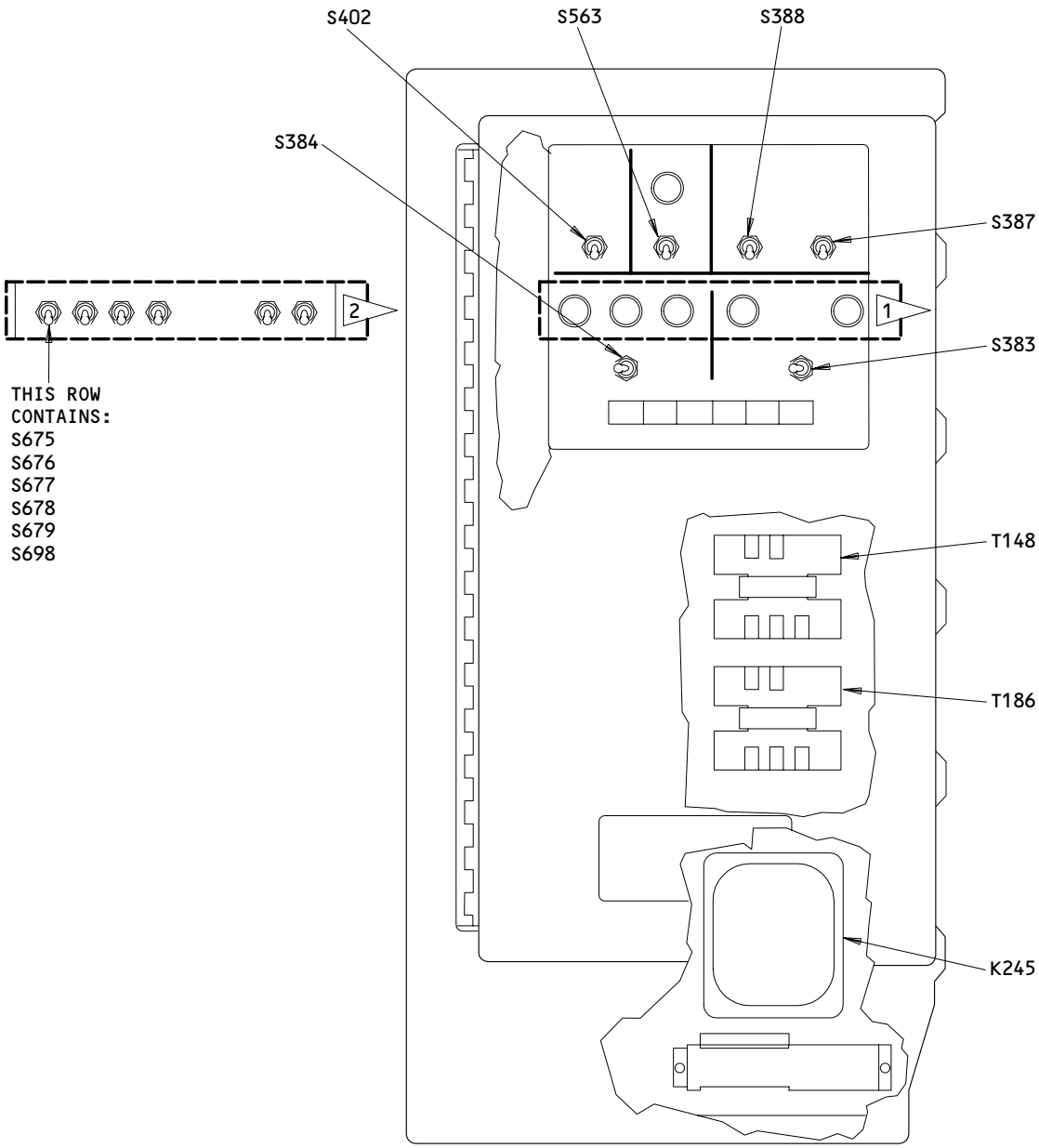
B

Forward Compartment Cargo Handling Accessory Panel, P35 - Component Location
Figure 102 (Sheet 1)



P35 PANEL
C

Forward Compartment Cargo Handling Accessory Panel, P35 - Component Location
(Detail from Sht 1)
Figure 102 (Sheet 2)



Forward Compartment Cargo Handling Accessory Panel, P35 - Component Location
(Detail from Sht 1)
Figure 102 (Sheet 3)

LEFT MISCELLANEOUS ELECTRICAL EQUIPMENT PANEL, P36

COMPONENT	FIG. 102 SHT	QTY	ACCESS/AREA	AMM REFERENCE
RELAY -			119AL, MAIN EQUIP CTR, P36	
K10	5	1	(F)	*
K16	5	1	(F)	*
K21	5	1	(F)	*
K22	5	1	(F)	*
K26	5	1	(F)	*
K28	4	1	(D)	*
K43	5	1	(F)	*
K45	3	1	(C)	*
K46	3	1	(C)	*
K57	5	1	(F)	*
K58	5	1	(F)	*
K59	5	1	(F)	*
K60	5	1	(F)	*
K61	5	1	(F)	*
K62	5	1	(F)	*
K63	5	1	(F)	*
K64	5	1	(F)	*
K124	5	1	(F)	32-09-02
K140	5	1	(F)	32-09-02
K141	5	1	(F)	32-09-02
K142	5	1	(F)	32-09-02
K143	5	1	(F)	32-09-02
K144	5	1	(F)	32-09-02
K145	5	1	(F)	32-09-02
K146	5	1	(F)	32-09-02
K147	5	1	(F)	32-09-02
K148	5	1	(F)	32-09-02
K149	5	1	(F)	32-09-02
K150	3	1	(C)	*
K151	3	1	(C)	*
K152	3	1	(C)	*
K153	3	1	(C)	*
K161	6	1	(G)	*
K163	3	1	(C)	*
K165	5	1	(F)	*
K166	5	1	(F)	*
K167	5	1	(F)	

* SEE THE WDM EQUIPMENT LIST

NOTE: THE (X) BELOW THE ACCESS/AREA REFERS TO THE VIEW SHOWN ON FIG. 102. THIS HELPS TO 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)

A62544

COMPONENT	FIG. 102 SHT	QTY	ACCESS/AREA	REFERENCE
RELAYS (CONT) -			119AL, MAIN EQUIP CTR, P36	
K168	3	1	(C)	*
K170	5	1	(F)	32-09-02
K172	6	1	(G)	*
K177	5	1	(F)	32-09-02
K178	5	1	(F)	32-09-02
K179	3	1	(C)	*
K180	3	1	(C)	*
K181	3	1	(C)	*
K183	3	1	(C)	*
K184	3	1	(C)	*
K185	3	1	(C)	*
K186	3	1	(C)	*
K187	3	1	(C)	*
K190	4	1	(D)	*
K199	5	1	(F)	32-09-02
K227	5	1	(F)	*
K228	5	1	(F)	*
K230	5	1	(F)	*
K278	3	1	(C)	*
K329	4	1	(D)	*
K335	3	1	(C)	*
K336	3	1	(C)	*
K337	3	1	(C)	*
K338	3	1	(C)	*
K339	5	1	(F)	*
K340	3,5	1	(C),(F)	*
K341	5	1	(F)	*
K342	5	1	(F)	*
K343	6	1	(G)	*
K347	6	1	(G)	*
K351	5	1	(F)	*
K356	5	1	(F)	*
K357	3	1	(C)	*
K369	3	1	(C)	*
K415	6	1	(G)	*
K419	3	1	(C)	*
K434	4	1	(D)	*
K435	6	1	(G)	*
K443	3	1	(C)	*
K446	3	1	(C)	*
K447	3	1	(C)	*
K448	3	1	(C)	*
K449	3	1	(C)	*
K450	3	1	(C)	*
K451	3	1	(C)	*
K452	3	1	(C)	*
K453	3	1	(C)	*
K454	3	1	(C)	*
K455	3	1	(C)	*

* SEE THE WDM EQUIPMENT LIST

NOTE: THE (X) BELOW THE ACCESS/AREA REFERS TO THE VIEW SHOWN ON FIG. 102. THIS HELPS TO 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)

A62570

COMPONENT	FIG. 102 SHT	QTY	ACCESS/AREA	AMM REFERENCE
RELAY (CONT) -			119AL, MAIN EQUIP CTR, P36	
K497	5	1	(F)	*
K499	3	1	(C)	*
K511	4	1	(D)	*
K525	3	1	(C)	*
K529	5	1	(F)	32-09-02
K546	5	1	(F)	*
K551	5	1	(F)	*
K603	3	1	(C)	*
K609	3	1	(C)	*
K628	3	1	(C)	*
K633	3	1	(C)	*
K650	4	1	(D)	*
K672	4,5	1	(D),(F)	*
K676	4	1	(D)	*
K684	3	1	(C)	*
K697	3,5	1	(C),(F)	*
K698	3	1	(C)	*
K699	3	1	(C)	*
K700	3	1	(C)	*
K716	5	1	(F)	32-09-02
K757	4	1	(D)	*
K751	4	1	(D)	*
K752	4	1	(D)	*
K759	4	1	(E)	*
K760	4	1	(E)	*
K761	3	1	(C)	*
K763	4	1	(D)	*
K769	3	1	(C)	*
K775	4	1	(E)	*
K785	3	1	(C)	*
K834	3	1	(C)	*
K836	5	1	(F)	*
K840	5	1	(F)	*
K850	3	1	(C)	*
K886	4	1	(E)	*
K892	5	1	(F)	*
K893	5	1	(F)	*
K894	3	1	(F)	*
K895	3	1	(C)	*
K896	5	1	(F)	*
K904	3	1	(C)	*
K950	3	1	(C)	*
K1005	4	1	(D)	*
K1006	4	1	(D)	*
K1007	4	1	(D)	*
K1008	4	1	(D)	*
K1009	4	1	(D)	*
K1010	4	1	(D)	*
K1011	4	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)

COMPONENT	FIG. 102 SHT	QTY	ACCESS/AREA	AMM REFERENCE
RELAY (CONT) -			119AL, MAIN EQUIP CTR, P36	
K1021	3	1	(C)	*
K1023	3,4	1	(C),(E)	*
K1025	4	1	(E)	*
K1031	4	1	(E)	*
K1033	4	1	(D)	*
K1034	4	1	(E)	*
K1036	4	1	(E)	*
K1037	4	1	(E)	*
K1041	3	1	(C)	*
K1043	5	1	(F)	*
K1068	4	1	(D)	*
K1077	4	1	(D)	*
K1091	5	1	(F)	*
K1115	4	1	(E)	*
K1116	4	1	(E)	*
K1117	4	1	(E)	*
K1118	4	1	(E)	*
K1119	4	1	(E)	*
K1120	4	1	(E)	*
K1128	5	1	(F)	*
K1129	5	1	(F)	*
K1130	5	1	(F)	*
K1131	5	1	(F)	*
K1132	5	1	(F)	*
K1142	5	1	(F)	*
K1146	5	1	(F)	*
K1169	4	1	(D)	*
K1170	4	1	(D)	*
K1173	5	1	(F)	*
K1177	3	1	(C)	*
K1180	4	1	(D)	*
K1181	4	1	(D)	*
K1182	4	1	(D)	*
K1183	4	1	(D)	*
K1187	5	1	(F)	*
K1188	3	1	(C)	*
K1195	3	1	(C)	*
K1206	4	1	(E)	*
K1207	3,4	1	(C),(D)	*
K1215	3	1	(C)	*
K1219	3	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)

COMPONENT	FIG. 102 SHT	QTY	ACCESS/AREA	AMM REFERENCE
RELAY (CONT) -			119AL, MAIN EQUIP CTR, P36	
K1226	3	1	(C)	*
K1230	3	1	(C)	*
K1233	3	1	(C)	*
K1237	5	1	(F)	*
K1239	4	1	(E)	*
K1248	4	1	(D)	*
K1250	3	1	(C)	*
K1251	3	1	(C)	*
K1253	5	1	(F)	*
K1255	3	1	(C)	*
K1272	6	1	(G)	*
K1274	3,4	1	(C),(D)	*
K1276	3,4	1	(C),(D)	*
K1278	3	1	(C)	*
K1280	4	1	(E)	*
K1282	3	1	(C)	*
K1287	4	1	(E)	*
K1289	3	1	(C)	*
K1293	3,4	1	(C),(D)	*
K1314	3	1	(C)	*
K1324	5	1	(F)	*
K2044	3	1	(C)	*
K2058	3	1	(C)	*
K2059	3	1	(C)	*
K2060	4	1	(D)	*
K2061	4	1	(D)	*
K2062	3	1	(C)	*
K2063	4	1	(D)	*
K2064	4	1	(D)	*
K2071	3	1	(C)	*
K2073	3	1	(C)	*
K2075	3	1	(C)	*
K2077	3	1	(C)	*
K2079	3	1	(C)	*
K2089	6	1	(G)	*
K2091	6	1	(H)	*
K2093	6	1	(G)	*
K2095	6	1	(G)	*
K2103	3	1	(C)	*
K2105	4	1	(D)	*
K2107	4	1	(D)	*
K2109	4	1	(D)	*

* SEE THE WDM EQUIPMENT LIST

NOTE: THE (X) BELOW THE ACCESS/AREA REFERS TO THE VIEW SHOWN ON FIG. 102. THIS HELPS TO 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)

A62651

COMPONENT	FIG. 102 SHT	QTY	ACCESS/AREA	AMM REFERENCE
RELAY (CONT) -			119AL, MAIN EQUIP CTR, P36	
K2154	3	1	(C)	*
K2155	3,4	1	(C),(D)	*
K2156	6	1	(G)	*
K2164	3	1	(C)	*
K2171	5	1	(F)	*
K2173	5	1	(E)	*
K2175	3,4,6	1	(C),(D),(A-A)	*
K2190	6	1	(A-A)	*
K10109	4	1	(E)	*
K10136	4	1	(E)	*
K10229	3	1	(C)	*
K10230	3	1	(C)	*
K10231	3	1	(C)	*
K10232	3	1	(C)	*
K10233	3	1	(C)	*
K10234	4	1	(D)	*
K10236	4	1	(D)	*
K10315	5	1	(F)	*
K10391	4	1	(E)	*
TERMINAL BLOCK -			119AL, MAIN EQUIP CTR, P36	
TB74	5	1	(F)	*
TB76	5	1	(F)	*
TB78	3	1	(C)	*
TB80	3	1	(C)	*
TB216	2	1	(B)	*
TB218	2	1	(B)	*
TB220	2	1	(B)	*
TB222	2	1	(B)	*
TB250	4	1	(D)	*
TB252	4	1	(E)	*
TB260	5	1	(F)	*
TB268	5	1	(F)	*
TB272	2	1	(B)	*
TB302	7	1	(B-B)	*
TB318	7	1	(B-B)	*
TB5136	7	1	(B-B)	*
TB5138	7	1	(B-B)	*

* SEE THE WDM EQUIPMENT LIST

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

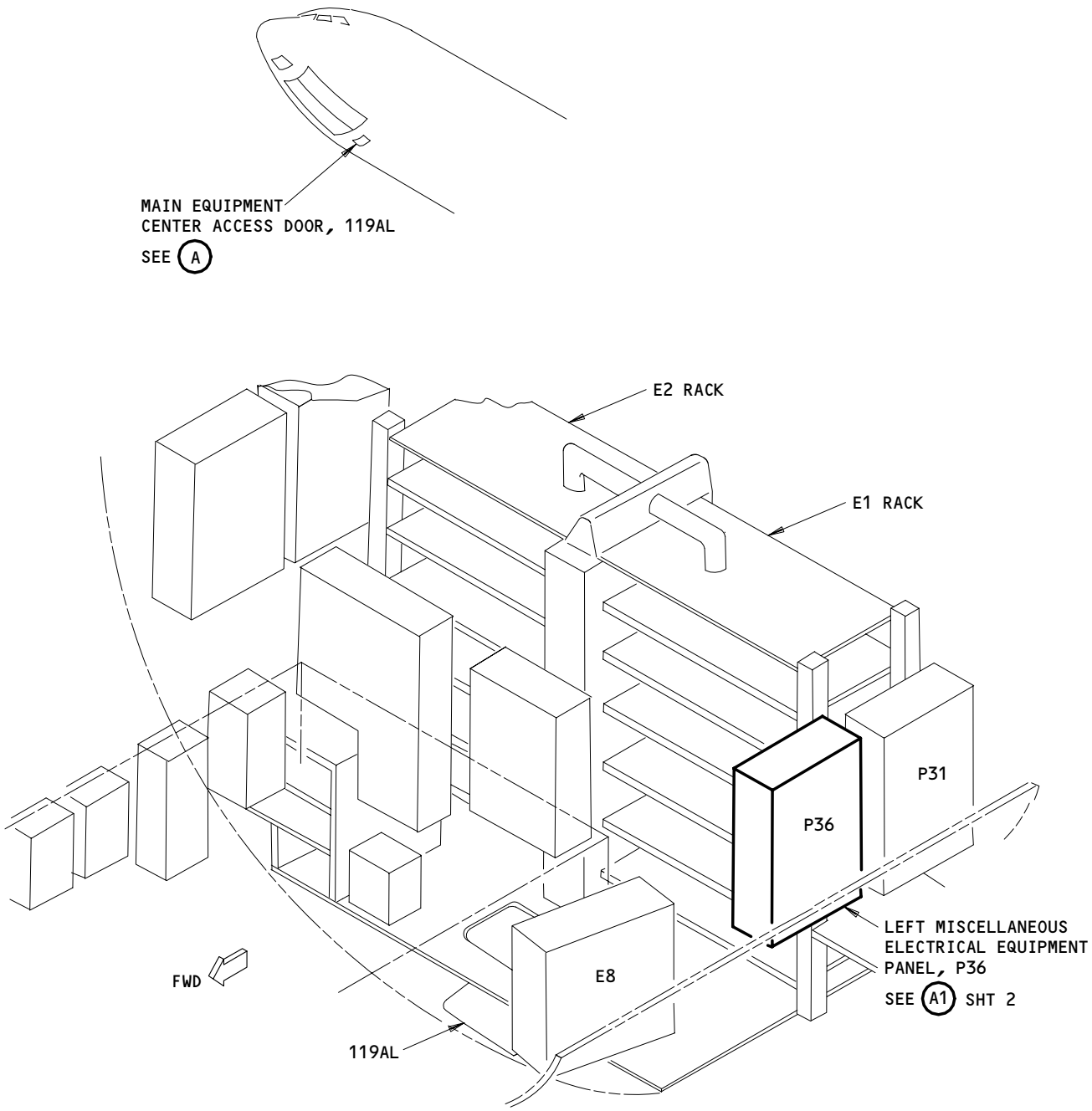
Left Miscellaneous Electrical Equipment Panel, P36 - Component Index
Figure 101 (Sheet 6)

COMPONENT	FIG. 102 SHT	QTY	ACCESS/AREA	AMM REFERENCE
TIME DELAY -			119AL, MAIN EQUIP CTR, P36	
M305	3,6	1	(C),(H)	*
M497	3,6	1	(C),(H)	*
M498	3	1	(C)	*
M919	3,6	1	(C),(H)	*
M922	3,6	1	(C),(H)	*
M1154	7	1	(B-B)	*
M1161	4,6	1	(D),(H)	*
M1162	4,6	1	(D),(H)	*
M1992	4	1	(D)	*
M10440	4,6	1	(D),(H)	*
TRANSFORMER -			119AL, MAIN EQUIP CTR, P36	
T139	6	1	(H)	*
T142	6	1	(H)	*
T143	6	1	(H)	*
T144	6	1	(H)	*
T153	6	1	(H)	*
TRANSFORMER, CURRENT -			119AL, MAIN EQUIP CTR, P36	
TS102	6	1	(G)	*
TS192	6	1	(G)	*
TS246	6	1	(G)	*
TS289	6	1	(G),(H)	*
TS459	6	1	(G)	*
TS524	7	1	(B-B)	*
TS526	7	1	(B-B)	*

* SEE THE WDM EQUIPMENT LIST

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

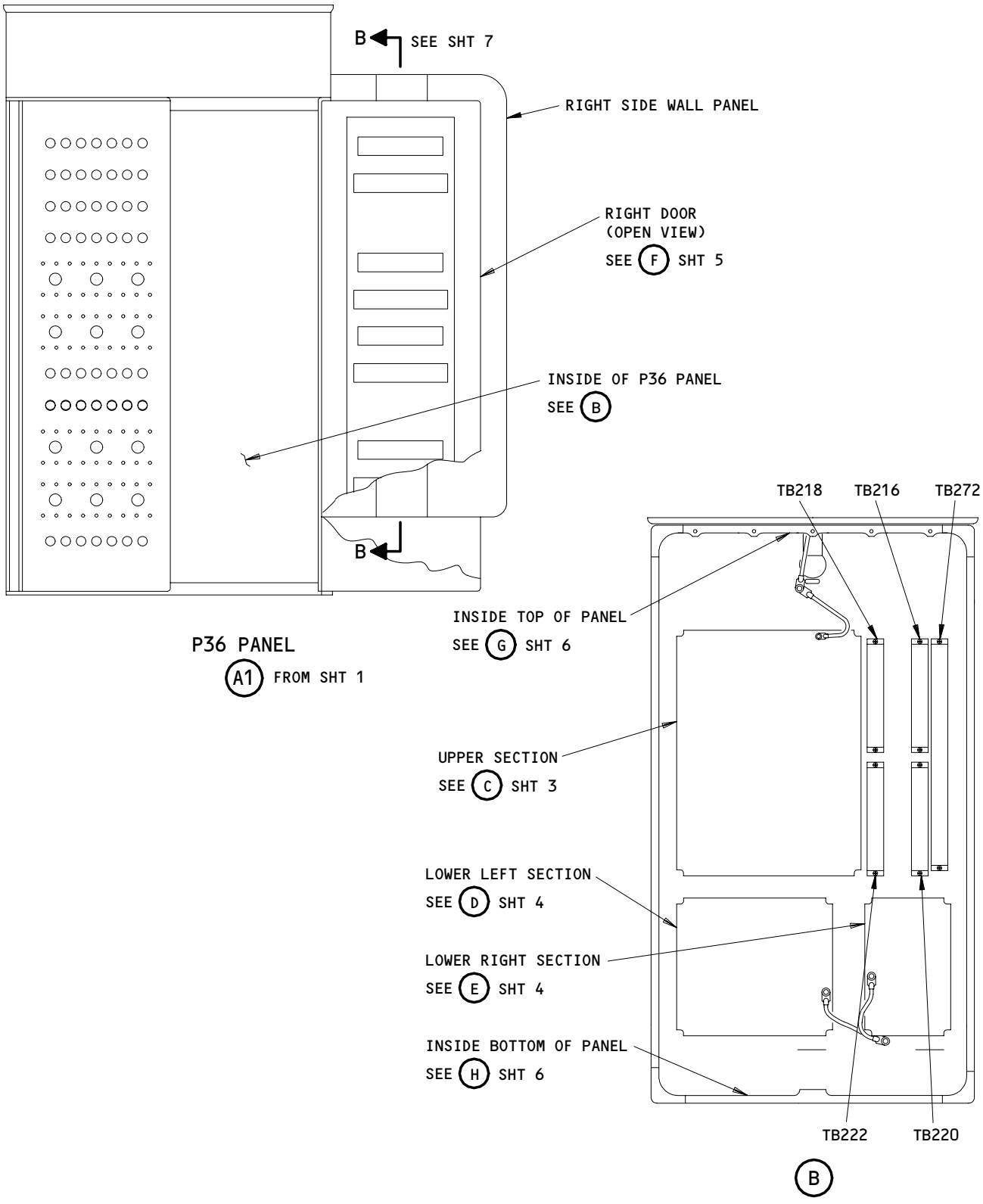
Left Miscellaneous Electrical Equipment Panel, P36 - Component Index
Figure 101 (Sheet 7)



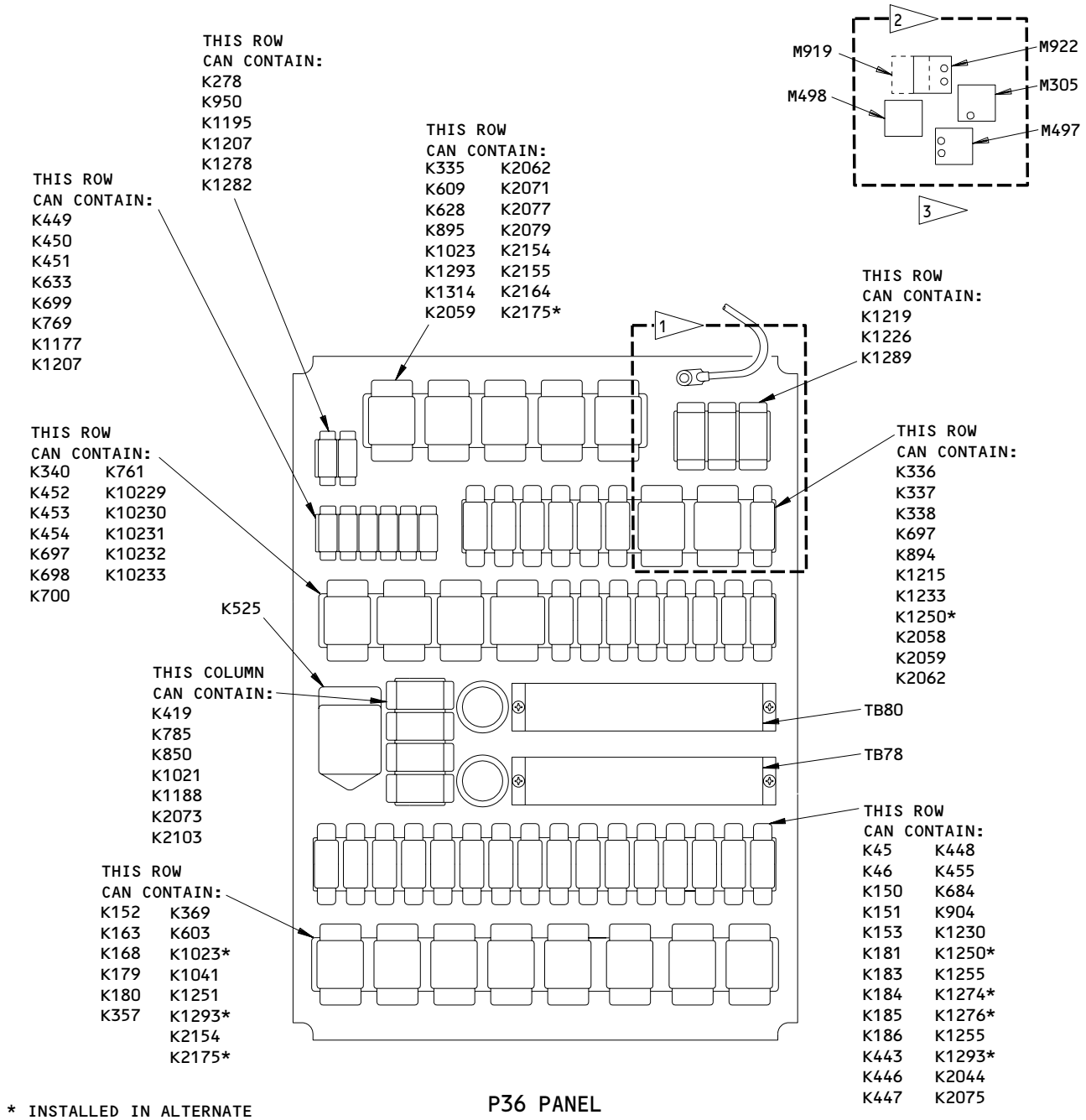
MAIN EQUIPMENT CENTER

A

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



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



P36 PANEL
(UPPER SECTION)

C

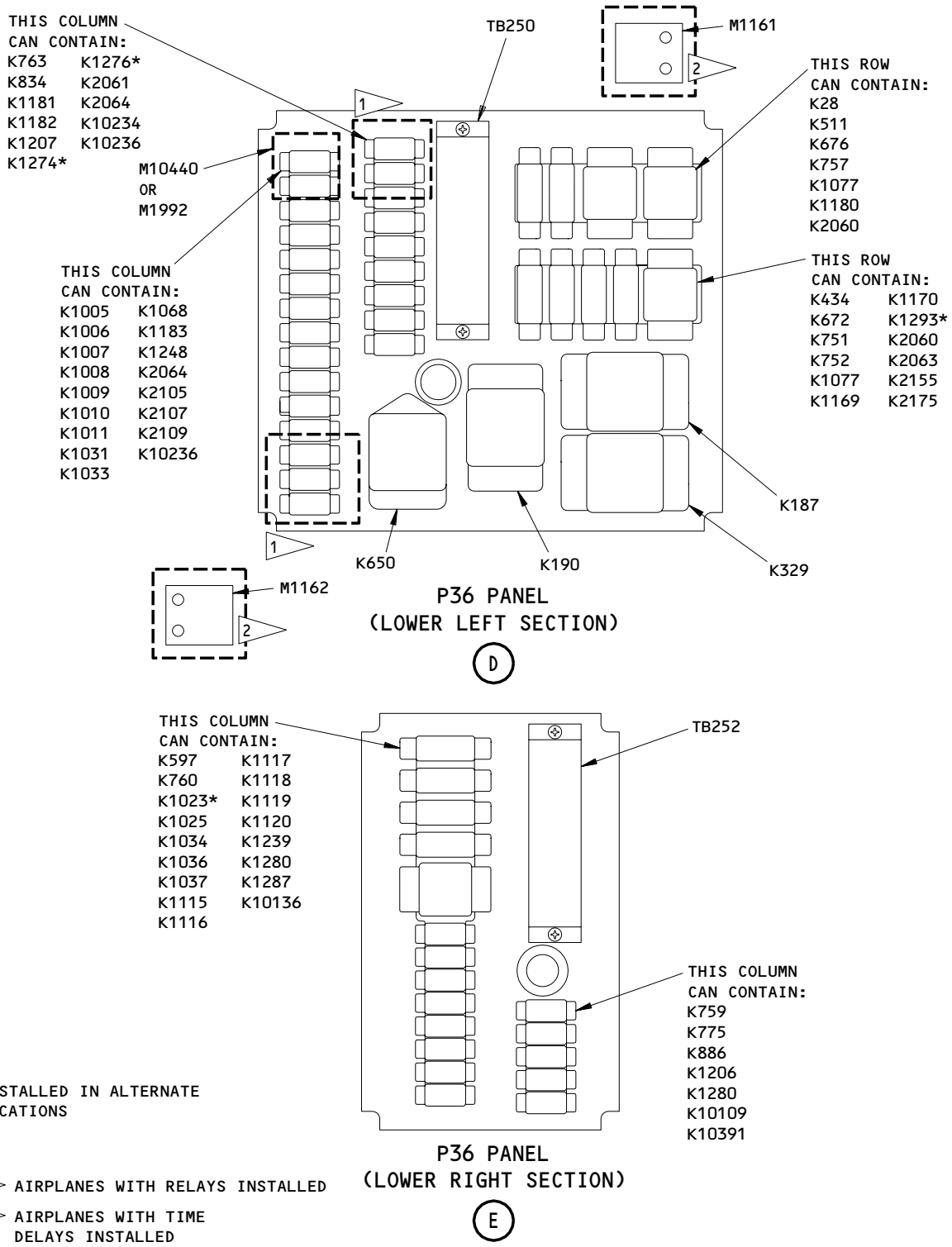
* INSTALLED IN ALTERNATE LOCATIONS

1 AIRPLANES WITH RELAYS INSTALLED

2 AIRPLANES WITH TIME DELAYS INSTALLED

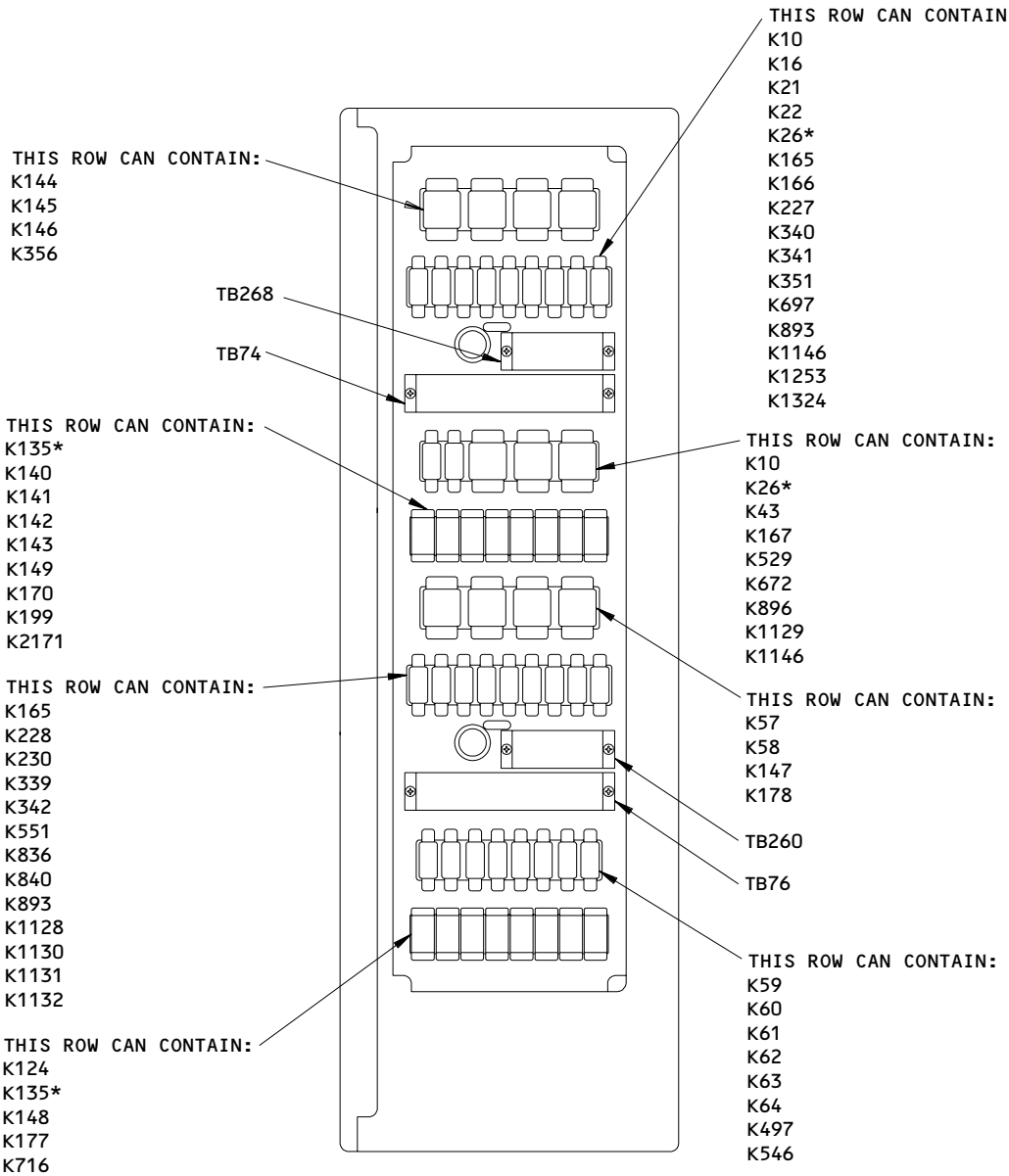
3 THESE TIME DELAYS CAN ALSO BE INSTALLED AT THE BOTTOM OF THE PANEL. SEE H

Left Miscellaneous Electrical Equipment Panel, P36 - Component Location
(Detail from Sheet 2)
Figure 102 (Sheet 3)



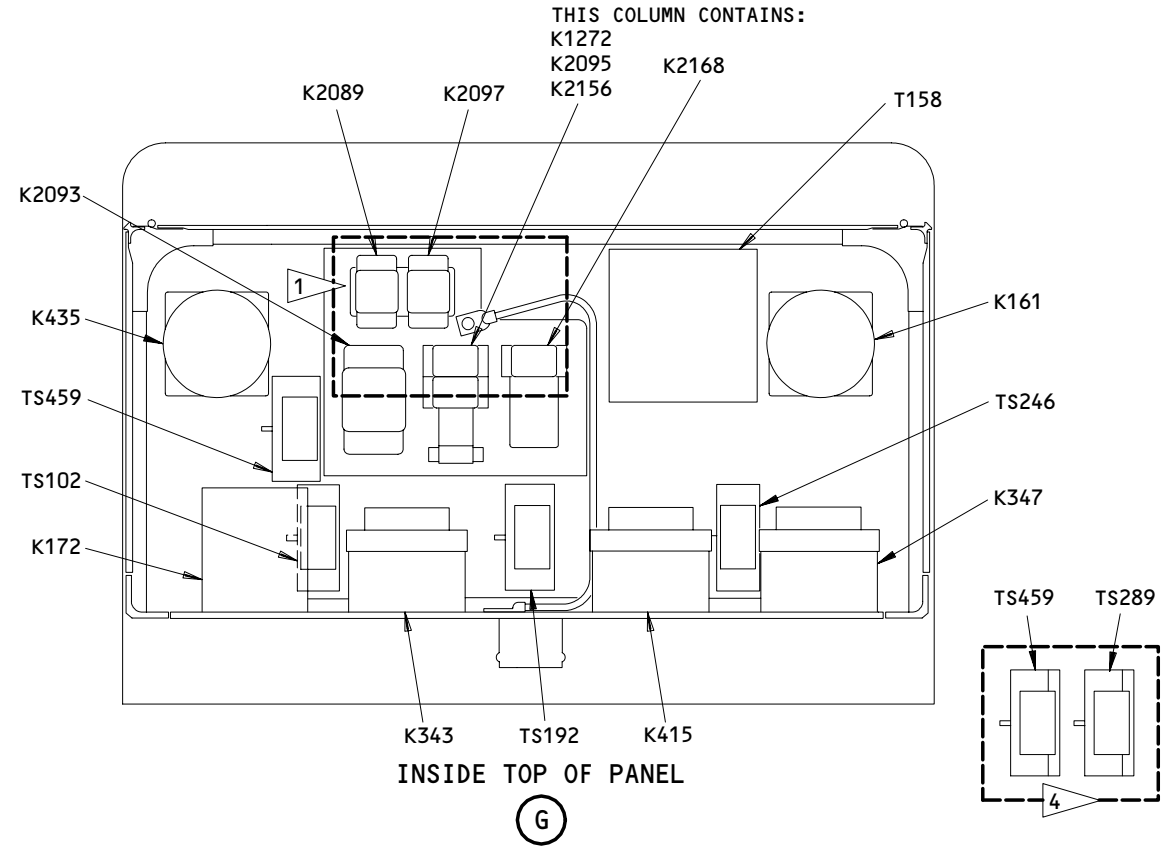
Left Miscellaneous Electrical Equipment Panel, P36 - Component Location
(Details from Sheet 2)
Figure 102 (Sheet 4)

A64383

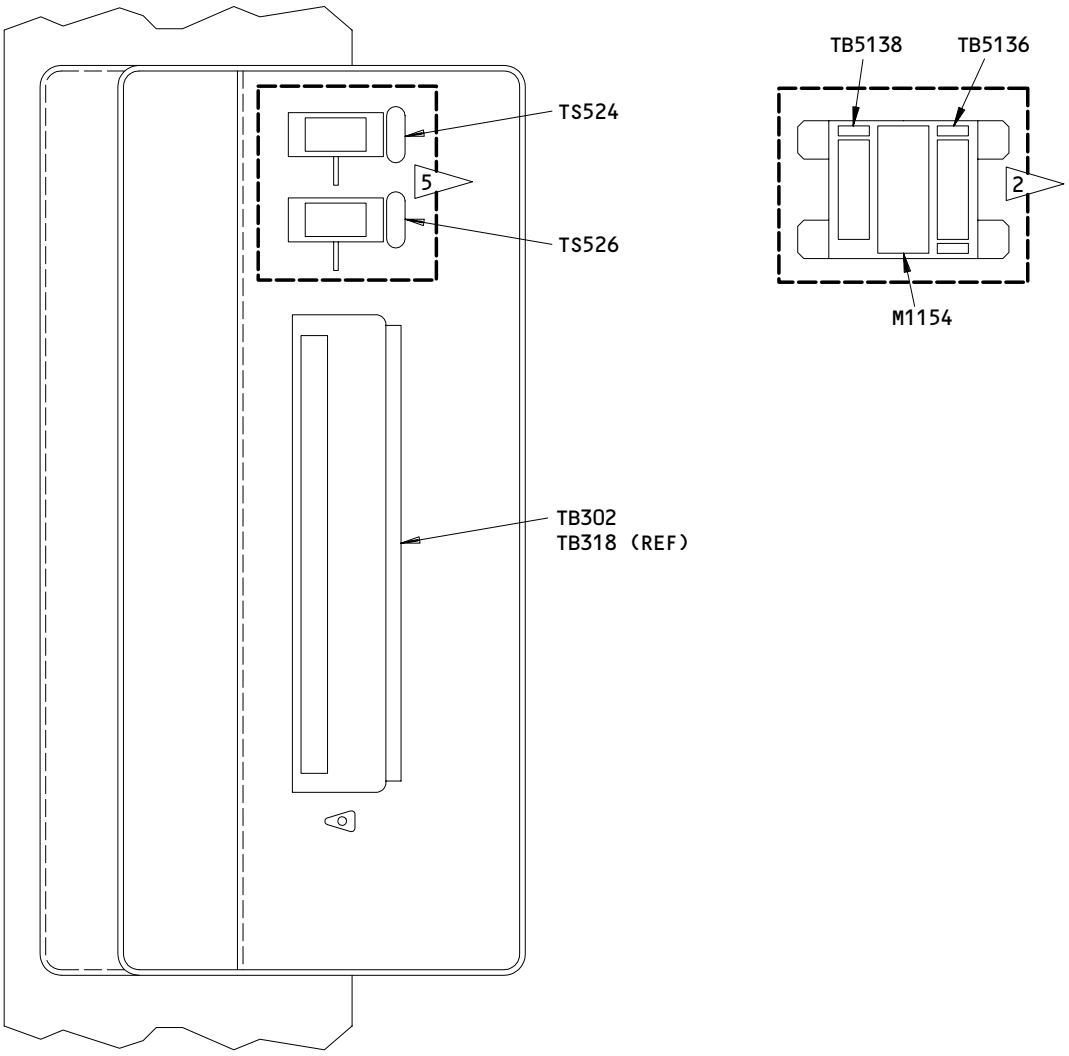


* INSTALLED IN ALTERNATE LOCATIONS

Left Miscellaneous Electrical Equipment Panel, P36 - Component Location
(Detail from Sht 2)
Figure 102 (Sheet 5)



Left Miscellaneous Electrical Equipment Panel, P36 - Component Location
(Details from Sht 2)
Figure 102 (Sheet 6)



P36 PANEL
(RIGHT SIDE WALL PANEL)
B-B

2 AIRPLANES WITH TIME DELAY INSTALLED
5 AIRPLANES WITH CURRENT SENSOR INSTALLED

Right Miscellaneous Electrical Equipment Panel, P36 - Component Location
(Details from Sht 2)
Figure 102 (Sheet 7)

RIGHT MISCELLANEOUS ELECTRICAL EQUIPMENT PANEL, P37

COMPONENT	FIG. 102 SHT	QTY	ACCESS/AREA	AMM REFERENCE
RELAY -			119AL, MAIN EQUIP CTR, P37	
K15	3	1	(C)	*
K18	5	1	(F)	*
K19	5	1	(F)	*
K27	5	1	(F)	*
K29	3	1	(C)	*
K130	5	1	(F)	*
K131	5	1	(F)	*
K134	5	1	(F)	*
K162	5	1	(F)	*
K164	4	1	(D)	*
K166	5	1	(F)	*
K169	4	1	(D)	*
K174	3	1	(C)	*
K175	4	1	(D)	*
K189	4	1	(D)	*
K191	4	1	(D)	*
K192	4	1	(D)	*
K200	5	1	(F)	32-09-02
K201	5	1	(F)	32-09-02
K202	5	1	(F)	32-09-02
K203	5	1	(F)	32-09-02
K204	5	1	(F)	32-09-02
K205	5	1	(F)	32-09-02
K206	5	1	(F)	32-09-02
K207	5	1	(F)	32-09-02
K209	5	1	(F)	32-09-02
K210	5	1	(F)	32-09-02
K211	5	1	(F)	32-09-02
K213	5	1	(F)	32-09-02
K214	5	1	(F)	32-09-02
K215	5	1	(F)	32-09-02
K219	5	1	(F)	32-09-02
K221	6	1	(G)	*
K222	6	1	(G)	*
K223	6	1	(G)	*
K224	6	1	(G)	*
K225	6	1	(G)	*
K226	3	1	(C)	*
K231	3	1	(C)	*
K238	5	1	(C)	*
K239	5	1	(F)	*
K240	5	1	(F)	*
K293	5	1	(F)	32-09-02
K330	4	1	(D)	*
K344	6	1	(G)	*
K345	6	1	(G)	*

* 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)

COMPONENT	FIG. 102 SHT	QTY	ACCESS/AREA	AMM REFERENCE
RELAY (CONT) -			119AL, MAIN EQUIP CTR, P37	
K346	6	1	(G)	*
K348	5,6	1	(F),(G)	*
K349	5,6	1	(F),(G)	*
K368	6	1	(G)	*
K397	5	1	(F)	*
K398	3,6	1	(C),(G)	*
K416	6	1	(G)	*
K421	4	1	(D)	*
K433	4	1	(D)	*
K442	4	1	(D)	*
K495	3	1	(D)	*
K496	3	1	(C)	*
K504	3	1	(C)	*
K505	4	1	(D)	*
K510	4	1	(D)	*
K512	4	1	(D)	*
K523	4	1	(D)	*
K554	3	1	(C)	*
K586	5	1	(F)	*
K587	5	1	(F)	*
K602	4	1	(D)	*
K606	4	1	(D)	*
K614	3	1	(C)	*
K621	3	1	(C)	*
K624	5	1	(F)	*
K625	5	1	(F)	*
K626	3	1	(C)	*
K629	3	1	(C)	*
K631	4	1	(D)	*
K632	4	1	(D)	*
K649	3	1	(C)	*
K680	3	1	(C)	*
K681	3	1	(C)	*
K693	4	1	(D)	*
K721	3	1	(C)	32-09-02
K744	4	1	(D)	*
K753	3	1	(C)	*
K754	3	1	(C)	*
K758	3	1	(C)	*
K764	3	1	(C)	*
K768	4	1	(D)	*
K774	3	1	(C)	*
K776	3,4	1	(C),(D)	*
K778	3	1	(C)	*
K779	3	1	(C)	*
K782	3	1	(C)	*
K786	3	1	(C)	*
K793	4	1	(D)	*
K822	5	1	(F)	*
K823	5	1	(F)	*

* 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)

COMPONENT	FIG. 102 SHT	QTY	ACCESS/AREA	AMM REFERENCE
RELAY (CONT) -			119AL, MAIN EQUIP CTR, P37	
K826	4,5	1	(D),(F)	*
K831	5	1	(F)	*
K832	5	1	(F)	*
K833	5	1	(F)	*
K835	4	1	(D)	*
K842	5	1	(F)	*
K847	3	1	(C)	*
K848	3	1	(C)	*
K849	5	1	(F)	*
K851	5	1	(F)	*
K881	5	1	(F)	*
K887	3	1	(C)	*
K897	3	1	(C)	*
K929	3	1	(C)	*
K938	3	1	(C)	*
K971	3	1	(C)	*
K1022	3	1	(C)	*
K1024	3	1	(C)	*
K1026	5	1	(F)	*
K1032	3	1	(C)	*
K1034	3	1	(C)	*
K1035	5	1	(F)	*
K1038	3	1	(C)	*
K1039	3	1	(C)	*
K1064	5	1	(F)	*
K1078	3,5	1	(C),(F)	*
K1084	4	1	(D)	*
K1085	3	1	(C)	*
K1090	4	1	(E)	*
K1114	4	1	(E)	*
K1121	4	1	(E)	*
K1122	4	1	(E)	*
K1123	4	1	(E)	*
K1124	4	1	(E)	*
K1125	4	1	(E)	*
K1126	4	1	(E)	*
K1133	3	1	(C)	*
K1134	3	1	(C)	*
K1136	3	1	(C)	*
K1137	3	1	(C)	*
K1171	5	1	(F)	*
K1172	5	1	(F)	*
K1174	4	1	(D)	*
K1175	3	1	(C)	*
K1210	3	1	(E)	*
K1211	3,4	1	(C),(E)	*
K1212	3	1	(C)	*
K1213	3	1	(C)	*
K1214	3	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.

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

A63378

COMPONENT	FIG. 102 SHT	QTY	ACCESS/AREA	AMM REFERENCE
RELAY (CONT) -			119AL, MAIN EQUIP CTR, P37	
K1220	3	1	(C)	*
K1221	3	1	(C)	*
K1222	3	1	(C)	*
K1227	3,4	1	(C),(E)	*
K1231	3	1	(C)	*
K1234	3	1	(C)	*
K1235	3	1	(C)	*
K1236	3	1	(C)	*
K1238	3	1	(C)	*
K1249	3	1	(C)	*
K1252	4	1	(D)	*
K1269	3	1	(C)	*
K1271	3	1	(C)	*
K1273	6	1	(G)	*
K1275	3,4	1	(C),(D)	*
K1277	3,4	1	(C),(D)	*
K1279	4	1	(E)	*
K1281	4	1	(E)	*
K1283	3	1	(C)	*
K1285	3,4	1	(C),(E)	*
K1286	3	1	(C)	*
K1288	4	1	(E)	*
K1290	3	1	(C)	*
K1294	3,4	1	(C),(E)	*
K1328	5	1	(F)	*
K2045	5	1	(F)	*
K2082	5	1	(F)	*
K2090	6	1	(G)	*
K2092	6	1	(G)	*
K2094	6	1	(G)	*
K2096	6	1	(G)	*
K2098	6	1	(G)	*
K2119	4	1	(E)	*
K2123	3	1	(C)	*
K2126	6	1	(G)	*
K2157	3,5,6	1	(C),(F),(C-C)	*
K2165	5	1	(F)	*
K2170	3,6	1	(C),(C-C)	*
K2172	3	1	(C)	*
K2174	3	1	(C)	*
K2189	6	1	(C-C)	*
K10235	3	1	(C)	*
K10237	3	1	(C)	*
K10312	3	1	(C)	*
K10313	3	1	(C)	*
K10363	3	1	(C)	*
K10364	3	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.

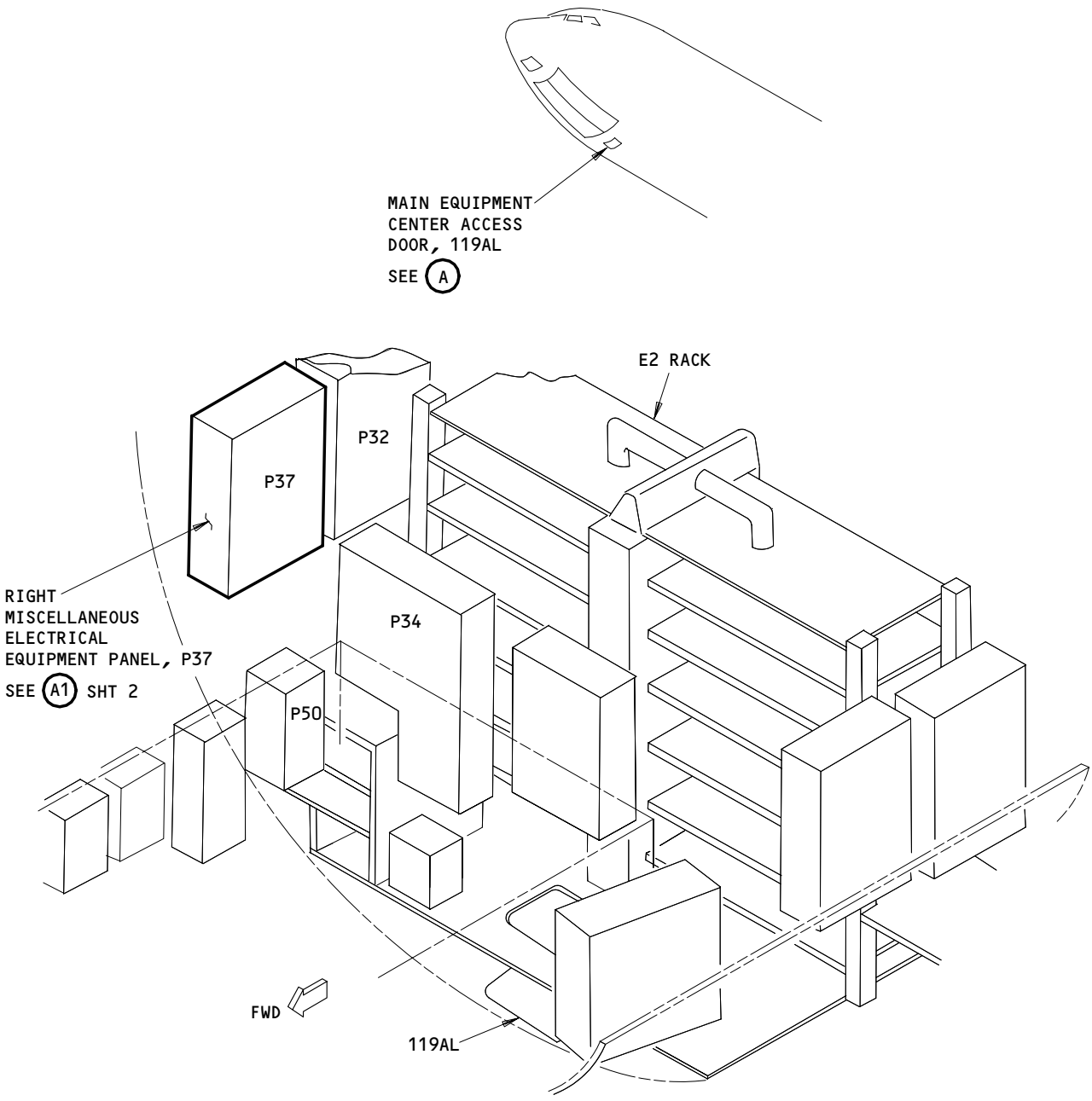
Right Miscellaneous Electrical Equipment Panel, P37 - Component Index
Figure 101 (Sheet 4)

COMPONENT	FIG. 102 SHT	QTY	ACCESS/AREA	AMM REFERENCE
SENSOR, CURRENT –			119AL, MAIN EQUIP CTR, P37	
TS103	6	1	(G)	*
TS193	6	1	(G)	*
TS230	6	1	(G)	*
TS245	6	1	(G)	*
TS493	4	1	(H)	*
TS494	6	1	(G)	*
TS525	7	1	(A-A)	*
TS527	7	1	(A-A)	*
TERMINAL BLOCK –			119AL, MAIN EQUIP CTR, P37	
TB82	5	1	(F)	*
TB84	5	1	(F)	*
TB86	4	1	(D)	*
TB88	3	1	(C)	*
TB210	2	1	(B)	*
TB212	2	1	(B)	*
TB254	3	1	(C)	*
TB262	5	1	(F)	*
TB264	5	1	(F)	*
TB274	2	1	(B)	*
TB304	7	1	(A-A)	*
TB314	4	1	(D)	*
TB320	7	1	(A-A)	*
TB5078	6	1	(G)	*
TB5140	7	1	(A-A)	*
TIME DELAY –			119AL, MAIN EQUIP CTR, P37	
M301	3,7	1	(C),(B-B)	*
M302	3,7	1	(C),(B-B)	*
M499	3,7	1	(C),(B-B)	*
M921	3,7	1	(C),(B-B)	*
M925	3,7	1	(C),(B-B)	*
M1155	7	1	(A-A)	*
M1163	3,4,7	1	(C),(D),(B-B)	*
M1164	3,4,7	1	(C),(D),(B-B)	*
M1993	3	1	(C)	*
TRANSFORMER –			119AL, MAIN EQUIP CTR, P37	
T140	6	1	(G)	*
T147	6	1	(H)	*
T162	6	1	(G)	*
T191	6	1	(H)	*

* SEE THE WDM EQUIPMENT LIST

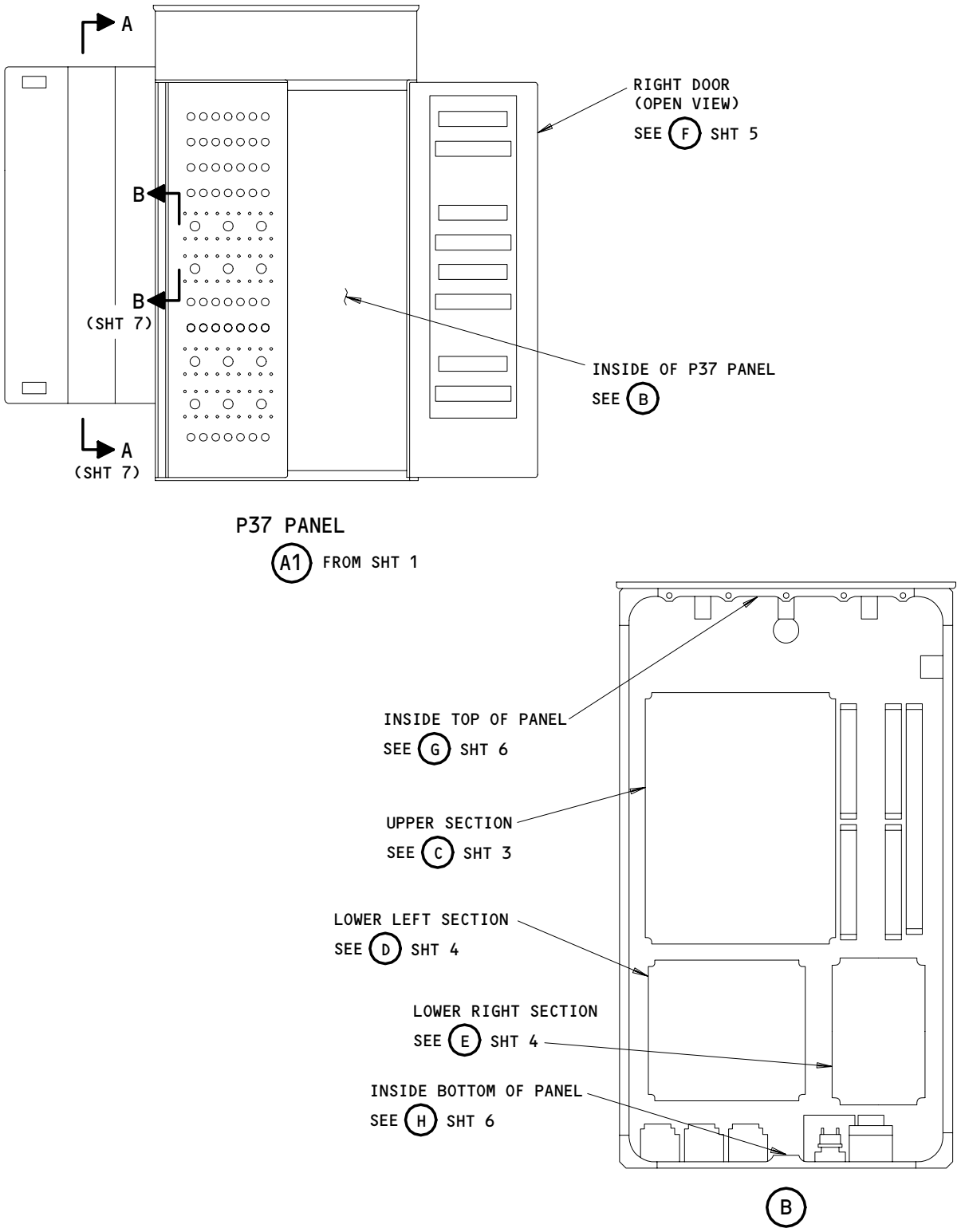
NOTE: THE (X) BELOW THE ACCESS/AREA REFERS TO THE VIEW SHOWN ON FIG. 102. THIS HELPS YOU FIND THE COMPONENTS ON THE ILLUSTRATION. FOR EXAMPLE, (A) REFERS TO VIEW A.

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



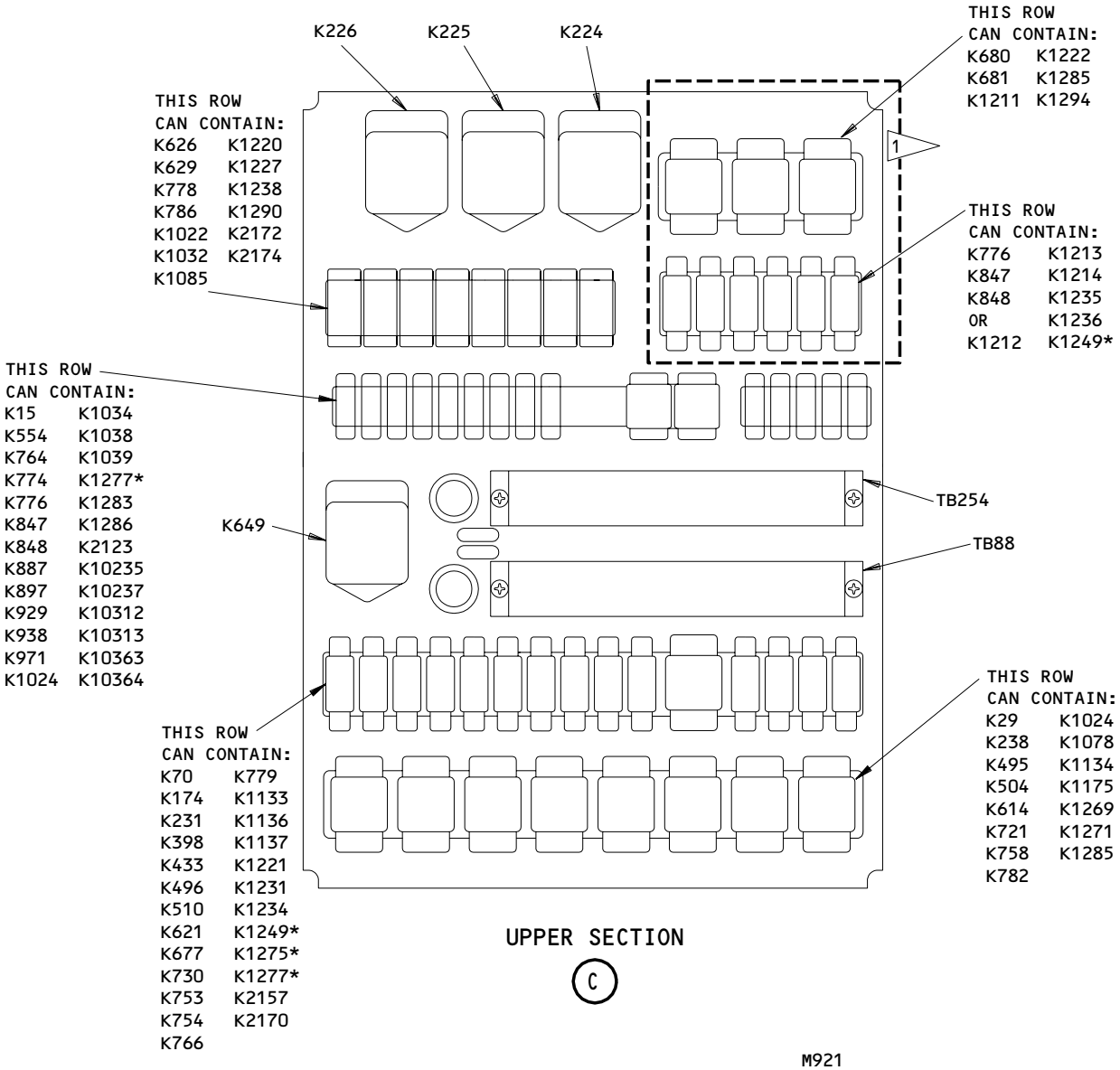
MAIN EQUIPMENT CENTER
A

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



Right Miscellaneous Electrical Equipment Panel, P37 - Component Location
Figure 102 (Sheet 2)

A54415

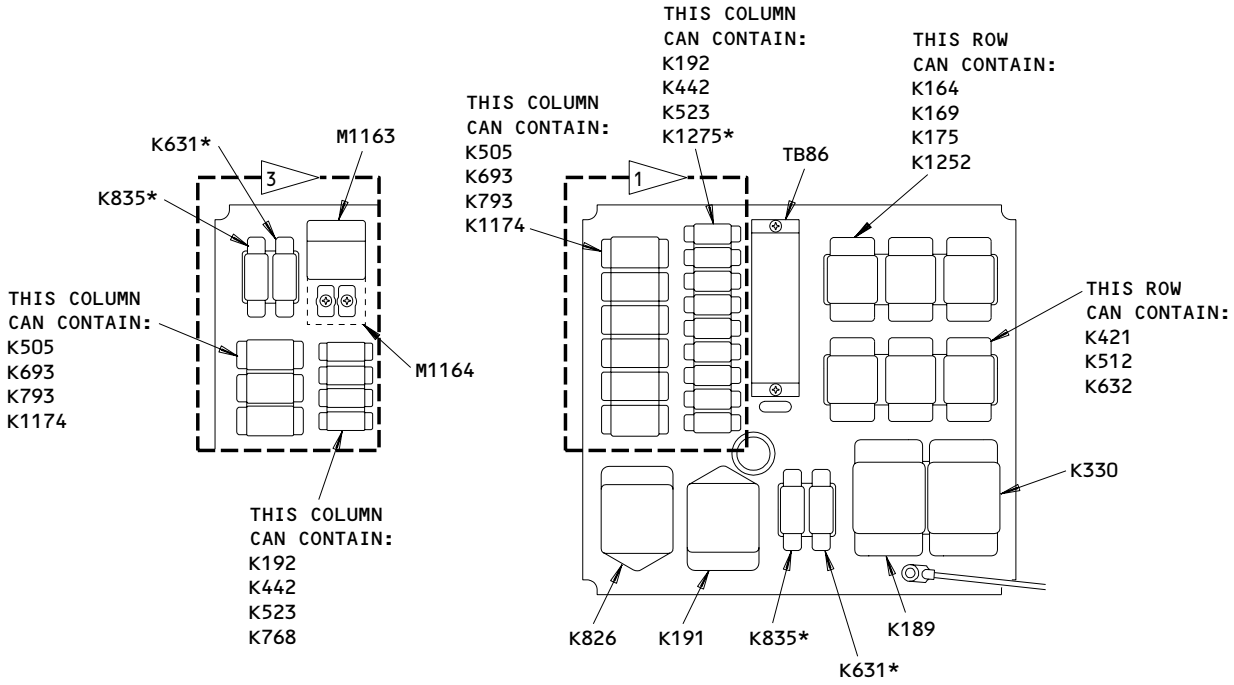


* INSTALLED IN ALTERNATE LOCATIONS

1 AIRPLANES WITH RELAYS INSTALLED

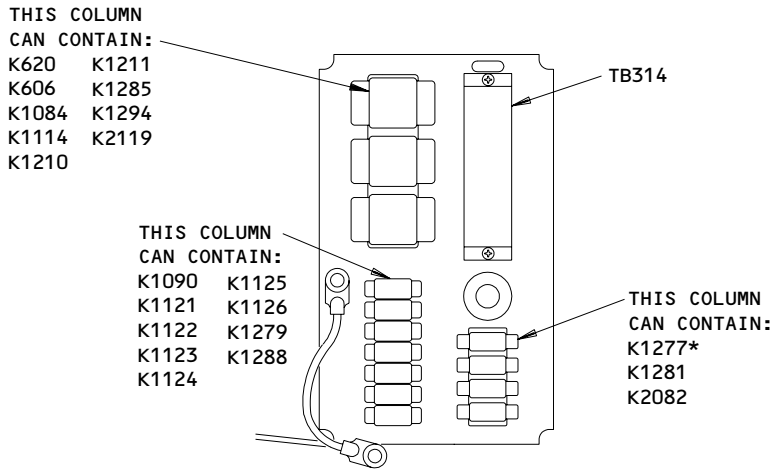
2 AIRPLANES WITH TIME DELAYS INSTALLED

Right Miscellaneous Electrical Equipment Panel, P37 - Component Location
(Detail from Sht 2)
Figure 102 (Sheet 3)



LOWER LEFT SECTION

D



LOWER RIGHT SECTION

E

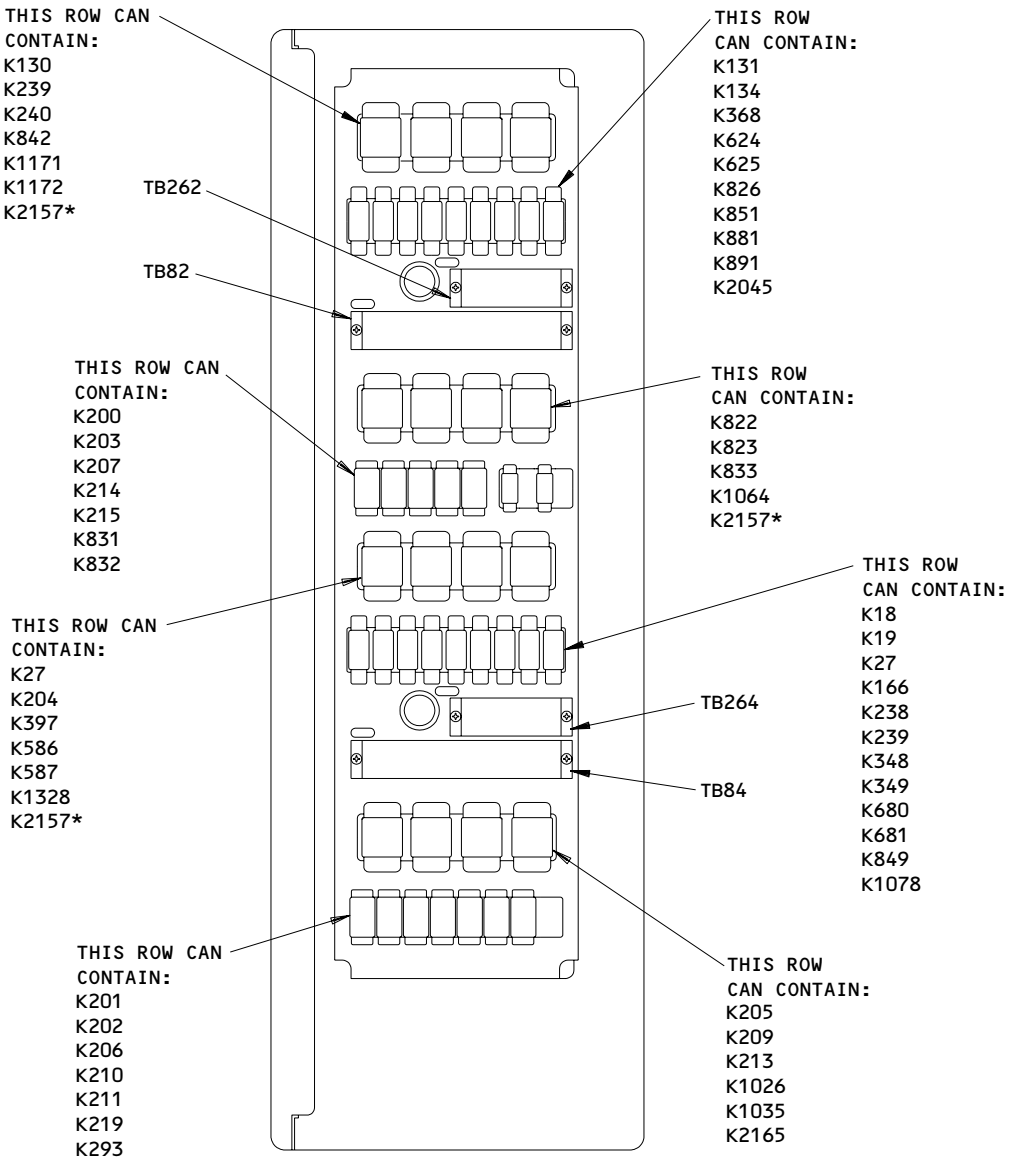
* INSTALLED IN ALTERNATE LOCATIONS

1 AIRPLANES WITH RELAYS INSTALLED

3 AIRPLANES WITH RELAYS AND TIME DELAY INSTALLED

Right Miscellaneous Electrical Equipment Panel, P37 - Component Location
(Details from Sht 2)
Figure 102 (Sheet 4)

A64191

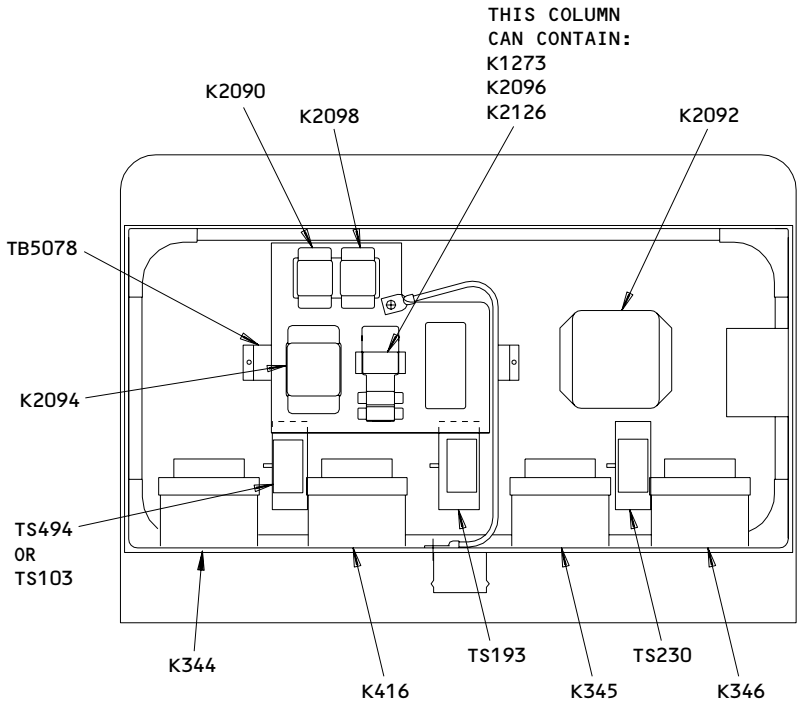


RIGHT DOOR

F

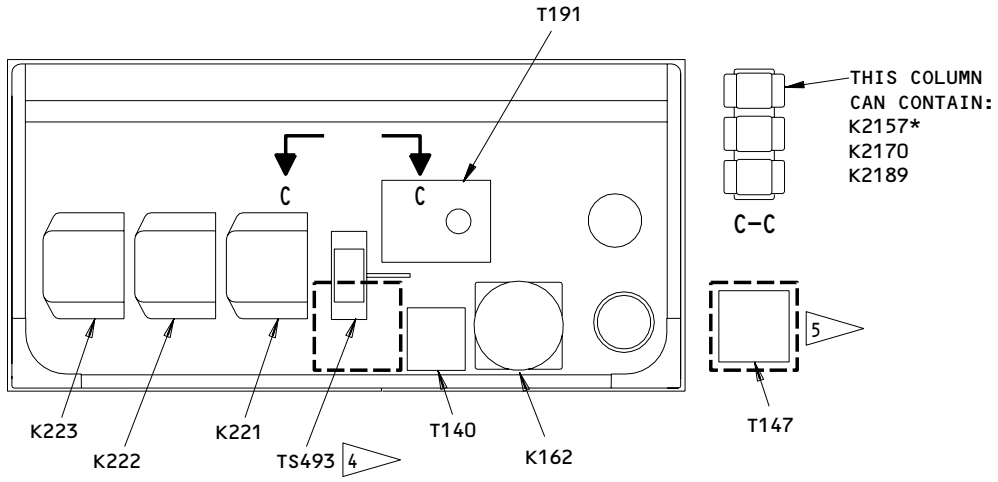
* INSTALLED IN ALTERNATE LOCATIONS

Right Miscellaneous Electrical Equipment Panel, P37 - Component Location
(Detail from Sht 2)
Figure 102 (Sheet 5)



INSIDE TOP OF PANEL

G



INSIDE BOTTOM OF PANEL

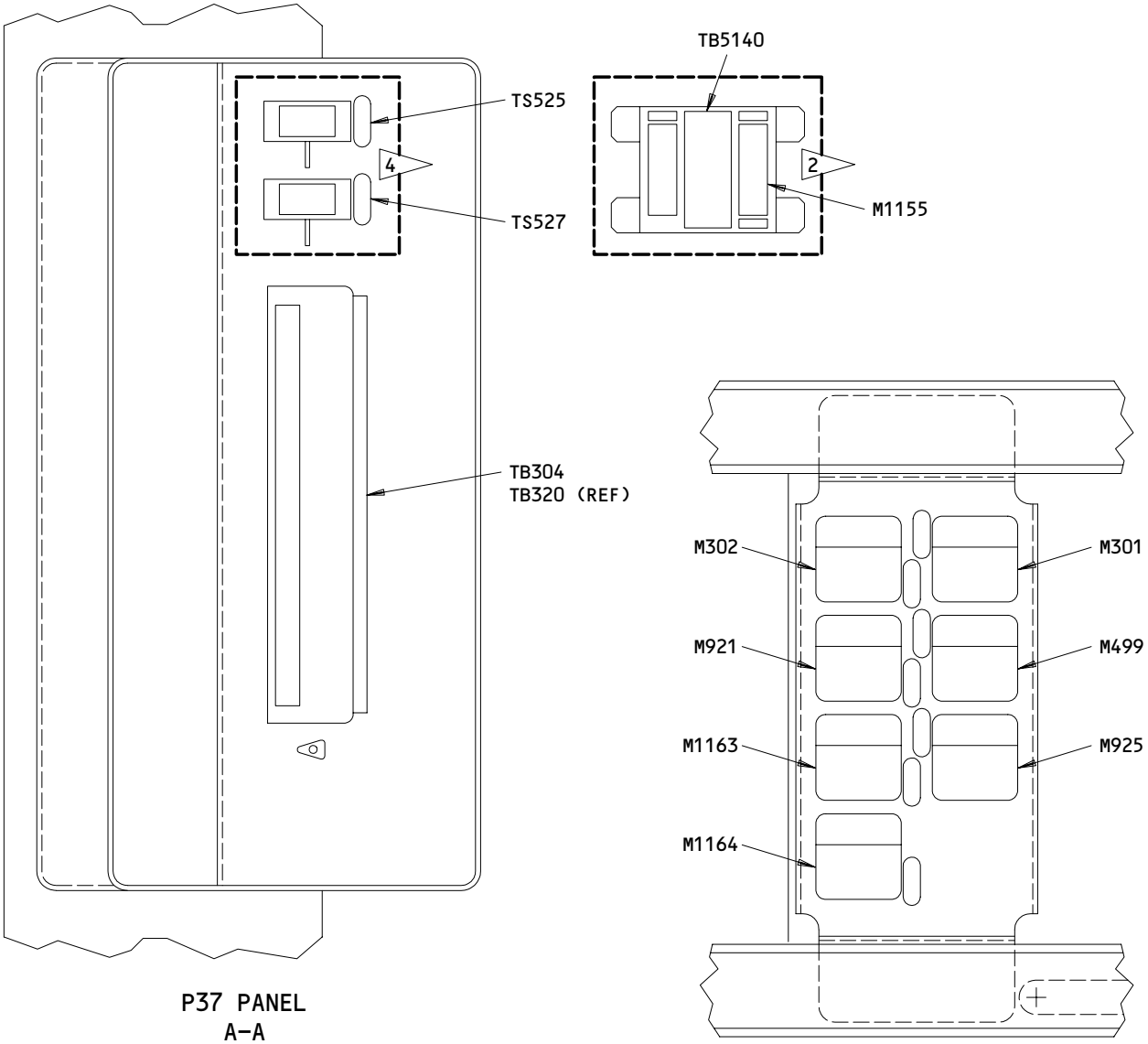
H

4 AIRPLANES WITH CURRENT SENSOR INSTALLED

5 AIRPLANES WITH TRANSFORMER INSTALLED

* INSTALLED IN ALTERNATE LOCATIONS

Right Miscellaneous Electrical Equipment Panel, P37 - Component Location
(Details from Sht 2)
Figure 102 (Sheet 6)



P37 PANEL
A-A

P37 PANEL
(LEFT WALL PANEL)
B-B

2 AIRPLANES WITH TIME DELAY INSTALLED
4 AIRPLANES WITH CURRENT SENSOR INSTALLED

Right Miscellaneous Electrical Equipment Panel, P37 - Component Location
(Details from Sht 2)
Figure 102 (Sheet 7)

AFT COMPARTMENT CARGO HANDLING ACCESSORY PANEL, P39

COMPONENT	FIG. 102 SHT	QTY	ACCESS/AREA	REFERENCE
RELAYS -			822, AFT CARGO DOOR, P39	
K36	3	1	(D)	*
K37	3	1	(D)	*
K38	3	1	(D)	*
K39	3	1	(D)	*
K40	3	1	(D)	*
K41	3	1	(D)	*
K67	3	1	(D)	*
K73	3	1	(D)	*
K74	3	1	(D)	*
K278	2	1	(C)	*
K279	3	1	(D)	*
K280	3	1	(D)	*
K281	3	1	(D)	*
K282	3	1	(D)	*
K283	3	1	(D)	*
K284	3	1	(D)	*
K285	3	1	(D)	*
K286	3	1	(D)	*
K287	3	1	(D)	*
K288	3	1	(D)	*
K289	3	1	(D)	*
K290	3	1	(D)	*
K291	3	1	(D)	*
K292	3	1	(D)	*
K294	3	1	(D)	*
K295	3	1	(D)	*
K296	3	1	(D)	*
K297	3	1	(D)	*
K298	3	1	(D)	*
K300	3	1	(D)	*
K301	3	1	(D)	*
K302	3	1	(D)	*
K303	3	1	(D)	*
K304	3	1	(D)	*
K422	3	1	(D)	*
K423	3	1	(D)	*
K490	3	1	(D)	*
K491	3	1	(D)	*
K507	3	1	(D)	*
K533	3	1	(D)	*
K539	3	1	(D)	*
K544	3	1	(D)	*
K545	3	1	(D)	*

* SEE THE WDM EQUIPMENT LIST

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

Aft Compartment Cargo Handling Accessory Panel, P39 - Component Index
Figure 101 (Sheet 1)

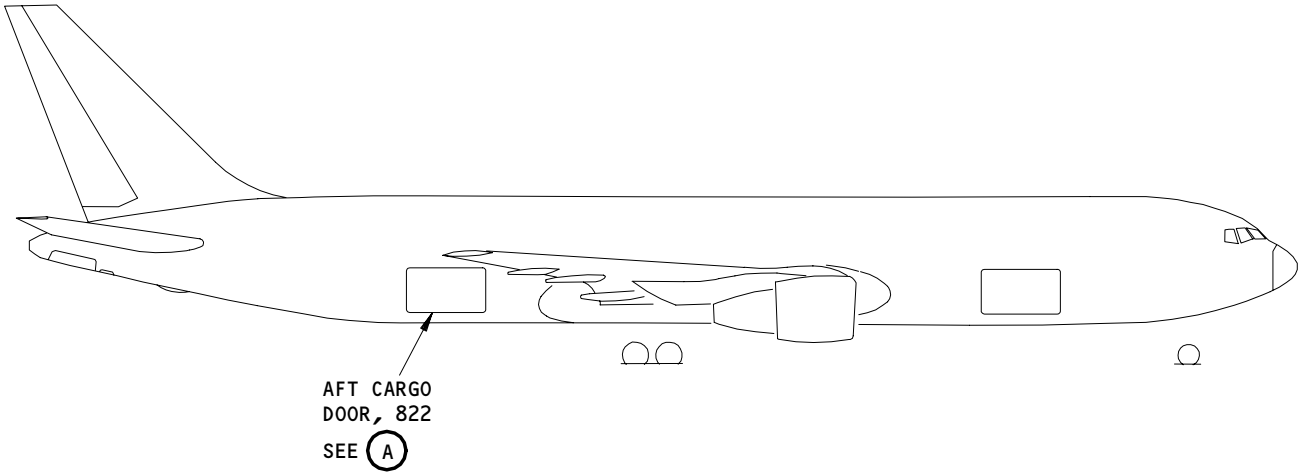
A65515

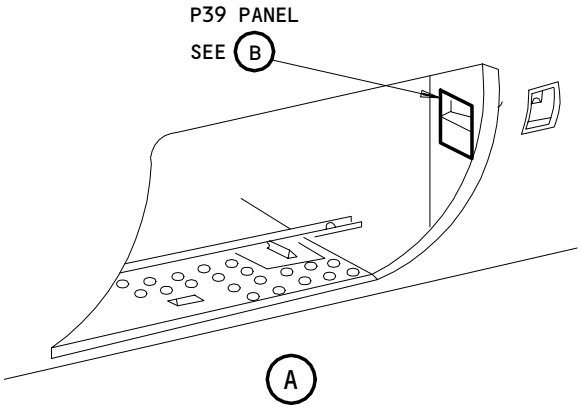
COMPONENT	FIG. 102 SHT	QTY	ACCESS/AREA	REFERENCE
RELAYS (CONT) -				
K905	3	1	(D)	*
K906	3	1	(D)	*
K907	3	1	(D)	*
K908	3	1	(D)	*
K909	3	1	(D)	*
K910	3	1	(D)	*
K911	3	1	(D)	*
K912	3	1	(D)	*
K913	3	1	(D)	*
K914	3	1	(D)	*
K915	3	1	(D)	*
K916	3	1	(D)	*
K917	3	1	(D)	*
K918	3	1	(D)	*
K926	3	1	(D)	*
K932	3	1	(D)	*
K933	3	1	(D)	*
K934	3	1	(D)	*
K998	3	1	(D)	*
K999	3	1	(D)	*
K1001	3	1	(D)	*
K1004	3	1	(D)	*
K1083	3	1	(D)	*
TERMINAL BLOCK -			822, AFT CARGO DOOR, P39	
TB122	2	1	(C)	*
TRANSFORMERS -			822, AFT CARGO DOOR, P39	
T151	2	1	(C)	*
T152	2	1	(C)	*

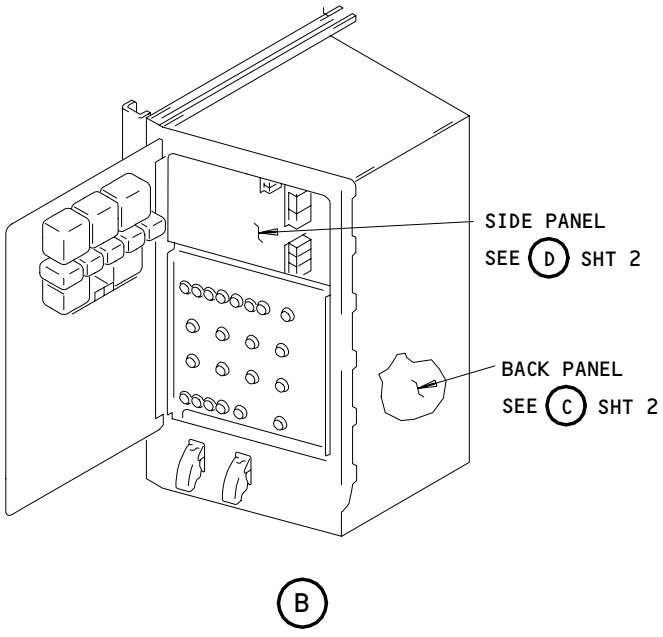
* SEE THE WDM EQUIPMENT LIST

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

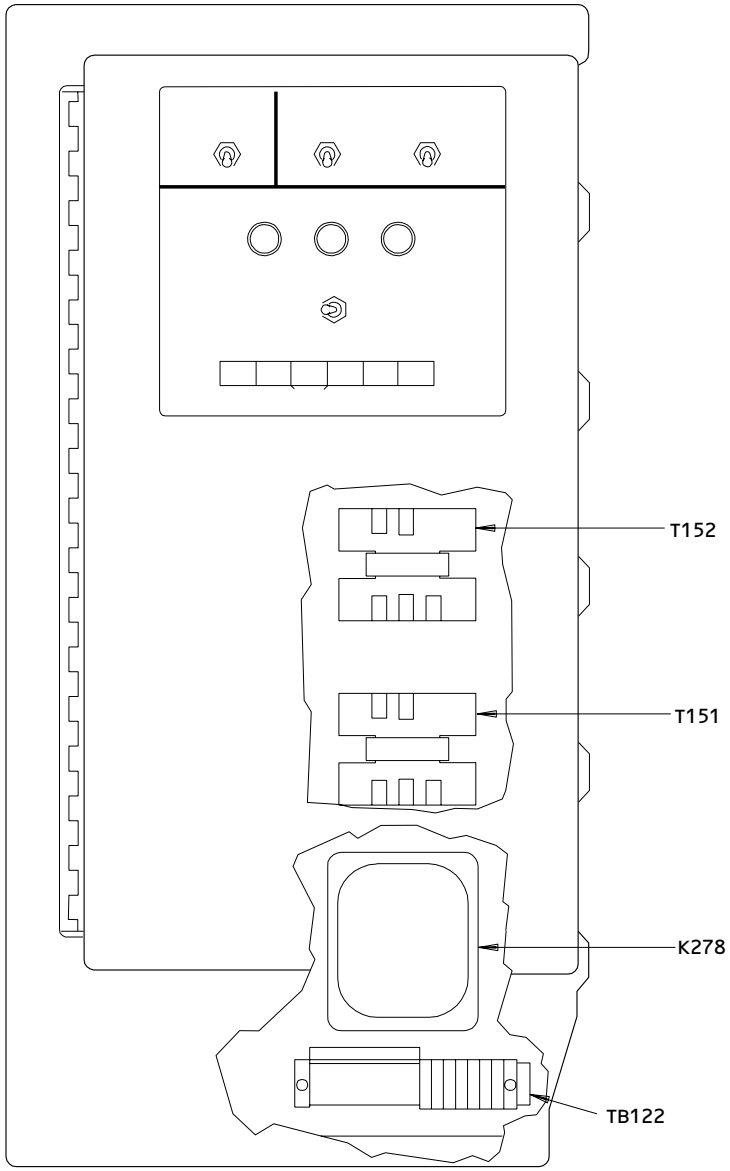
Aft Compartment Cargo Handling Accessory Panel, P39 - Component Index
Figure 101 (Sheet 2)







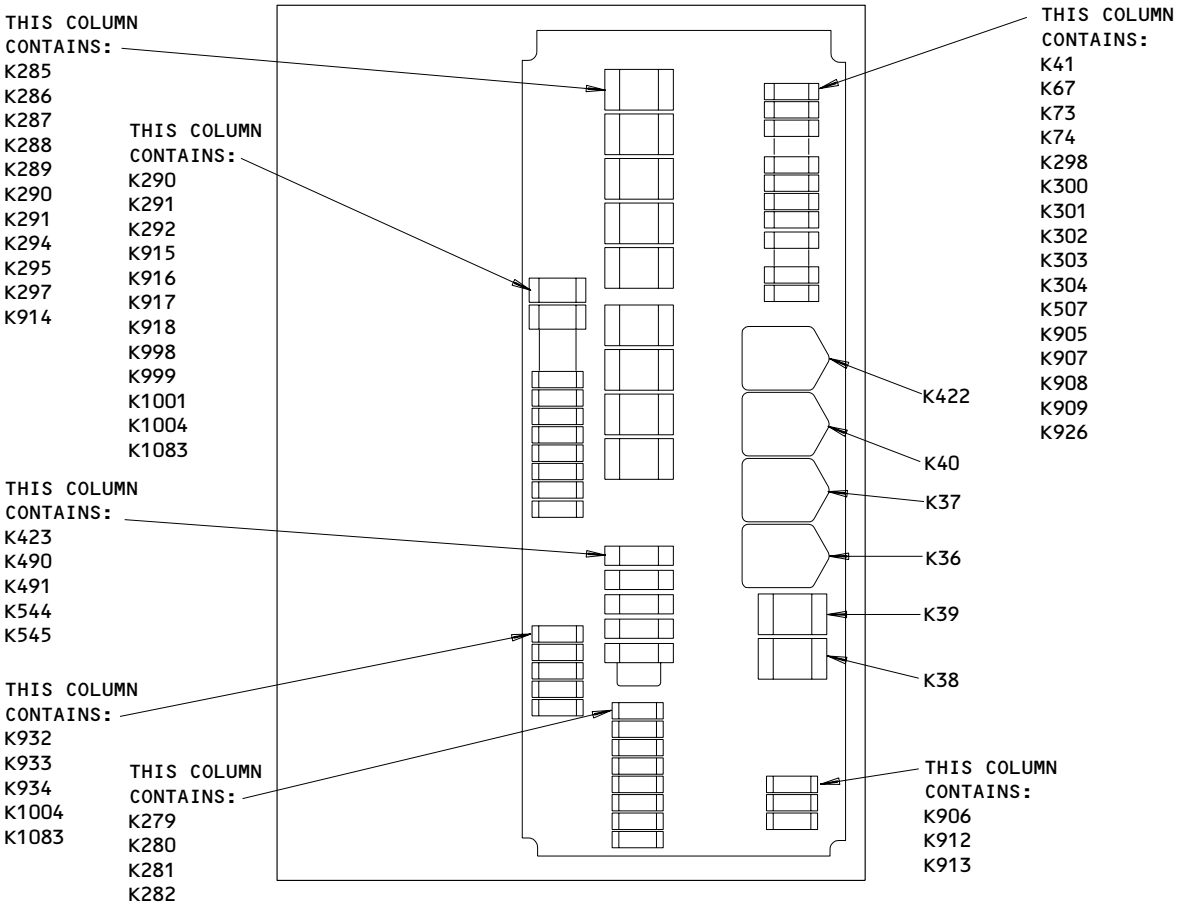
Aft Compartment Cargo Handling Accessory Panel, P39 - Component Location
Figure 102 (Sheet 1)



BACK PANEL

C

Aft Compartment Cargo Handling Accessory Panel, P39 - Component Location
(Detail from Sht 1)
Figure 102 (Sheet 2)



SIDE PANEL

D

Aft Compartment Cargo Handling Accessory Panel, P39 - Component LOcation
(Detail from Sht 1)
Figure 102 (Sheet 3)

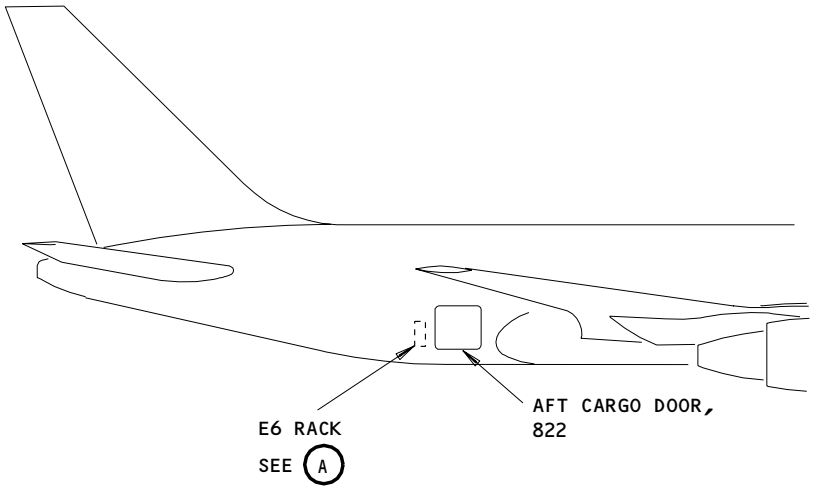
APU AUXILIARY PANEL, P49

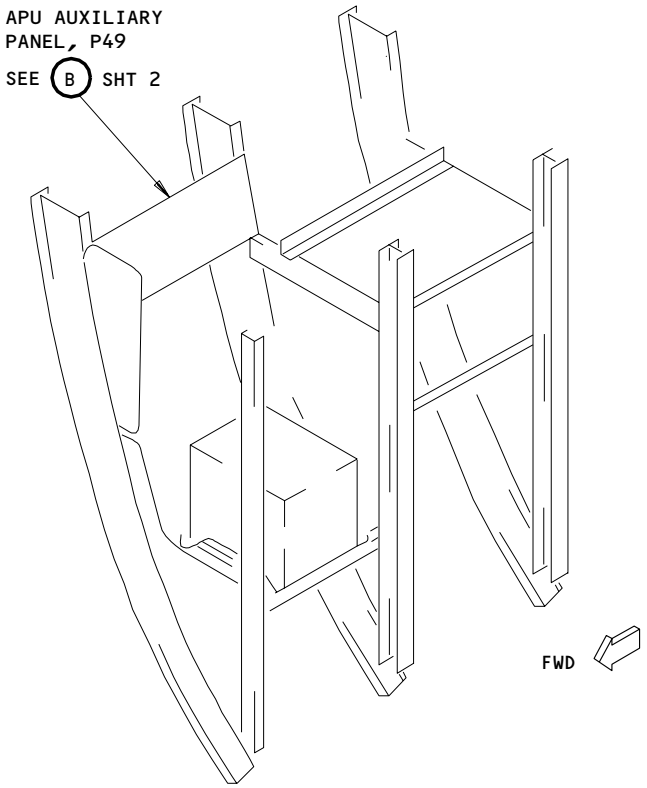
COMPONENT	FIG. 102 SHT	QTY	ACCESS/AREA	REFERENCE
BATTERY MONITOR –			882, AFT CARGO DOOR, E6 RACK, P49	
M1172	2	1	(B)	*
MODULE –			882, AFT CARGO DOOR, E6 RACK, P49	
M228	2	1	(B)	24-31-01
RELAYS –			882, AFT CARGO DOOR, E6 RACK, P49	
K6	2	1	(B)	*
K23	2	1	(B)	*
K24	2	1	(B)	*
K25	2	1	(B)	*
K116	2	1	(B)	24-31-01
K117	2	1	(B)	*
K118	2	1	(B)	*
K173	2	1	(B)	*
K174	2	1	(B)	*
K176	2	1	(B)	*
K197	2	1	(B)	*
K229	2	1	(B)	*
K547	2	1	(B)	*
K565	2	1	(B)	*
K615	2	1	(B)	*
K616	2	1	(B)	*
K617	2	1	(B)	*
K618	2	1	(B)	*
K619	2	1	(B)	*
K765	2	1	(B)	*
K787	2	1	(B)	*
K788	2	1	(B)	*
K789	2	1	(B)	*
K790	2	1	(B)	*
K1145	2	1	(B)	*
K2144	2	1	(B)	*
K2145	2	1	(B)	*
TERMINAL BLOCK –			882, AFT CARGO DOOR, E6 RACK, P49	
TB294	2	1	(B)	*
TB300	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) REFER TO VIEW A.

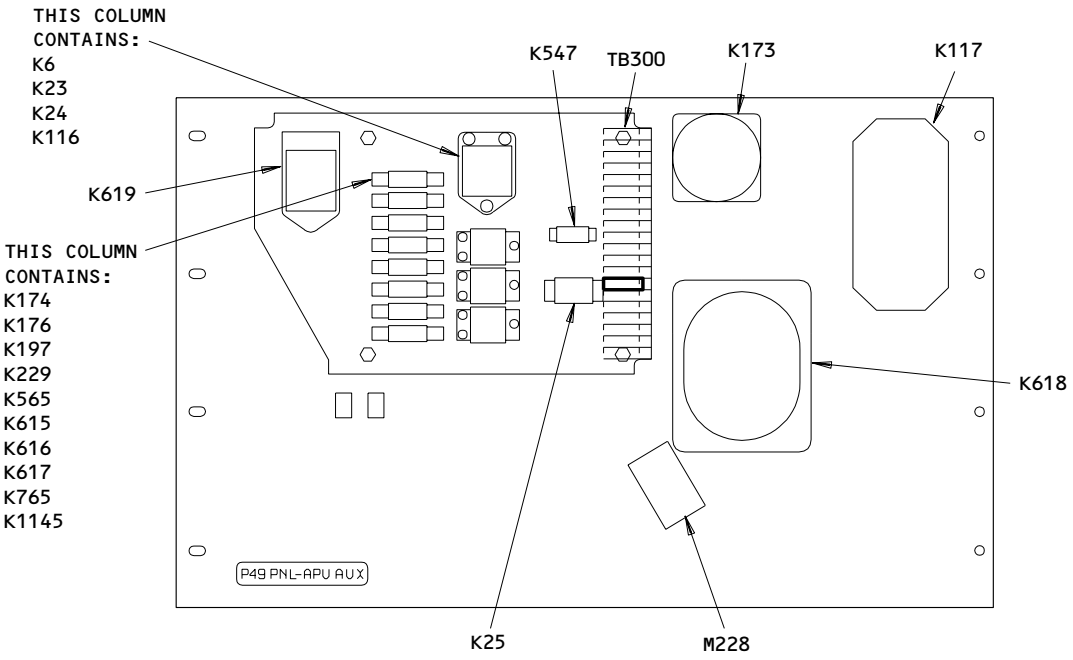
APU Auxiliary Panel, P49 – Component Index
Figure 101





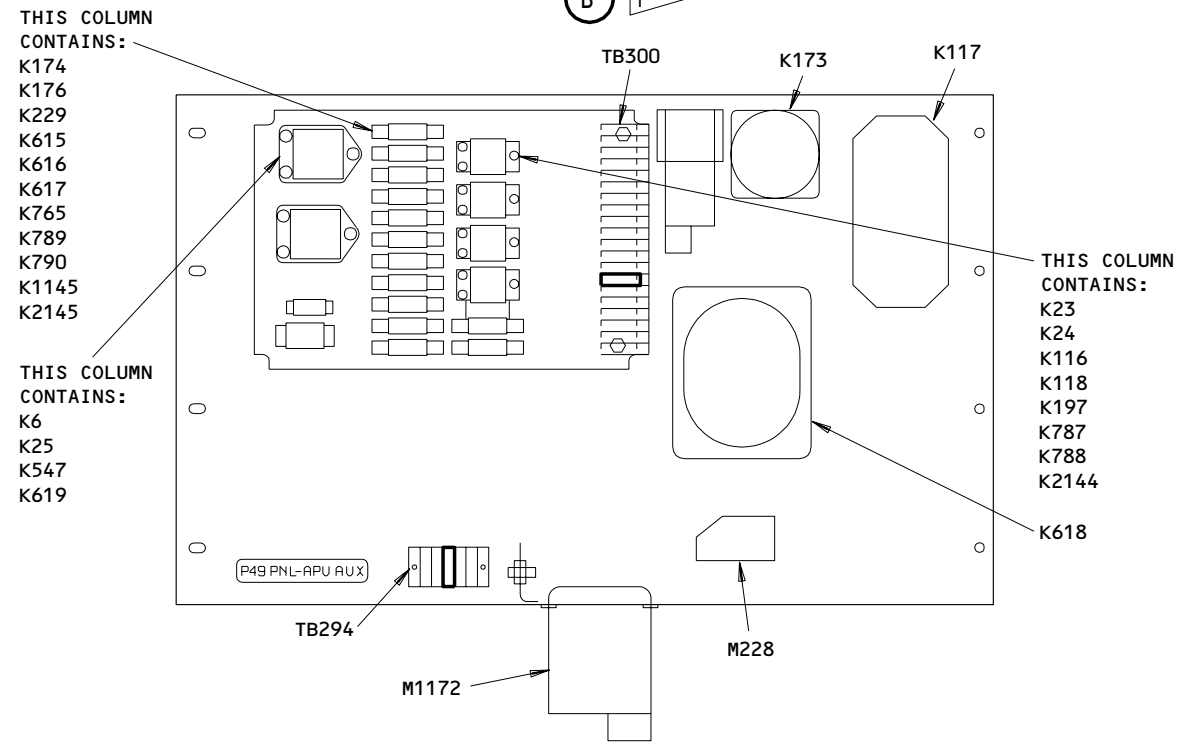
E6 RACK
A

APU Auxiliary Panel, P49 - Component Location
Figure 102 (Sheet 1)



P49 PANEL

B 1



1 AIRPLANES WITH TWO COLUMNS OF RELAYS INSTALLED

2 AIRPLANES WITH THREE COLUMNS OF RELAYS INSTALLED

P49 PANEL

B 2

APU Auxiliary Panel, P49 - Component Location
(Detail from Sht 1)
Figure 102 (Sheet 2)

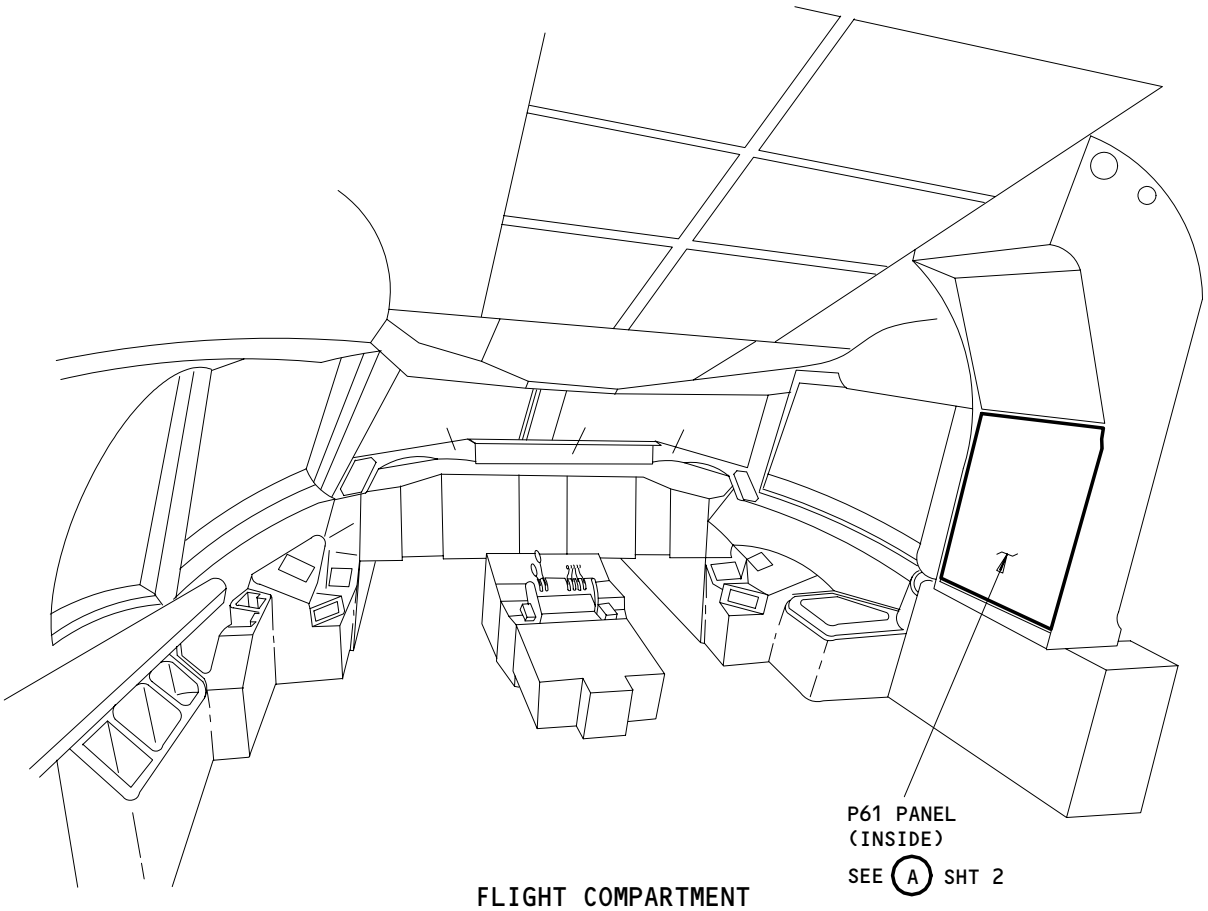
RIGHT SIDE PANEL, P61

COMPONENT	FIG. 102 SHT	QTY	ACCESS/AREA	REFERENCE
TERMINAL BLOCKS –			FLT COMPT, P61	
TB096	2	1	(A)	*
TB098	2	1	(A)	*
TB100	2	1	(A)	*
TB102	2	1	(A)	*
TB104	2	1	(A)	*
TB106	2	1	(A)	*

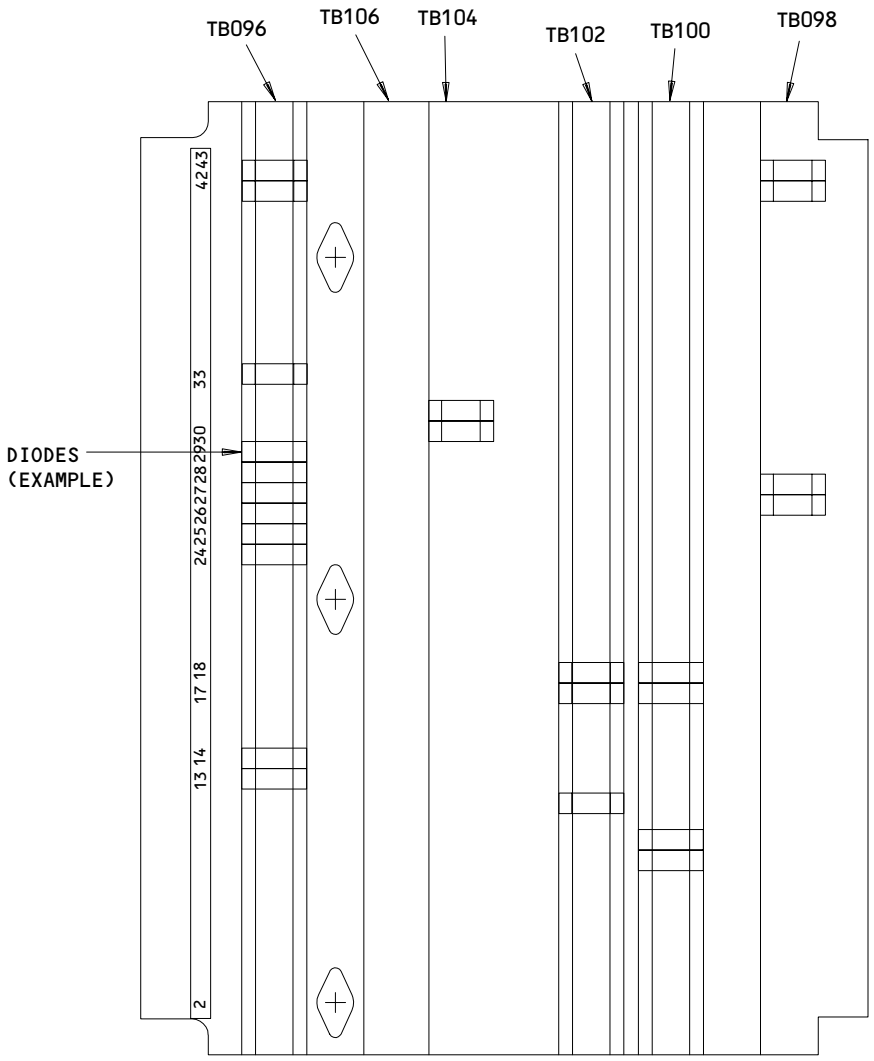
* SEE THE WDM EQUIPMENT LIST

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.

Right Side Panel, P61 – Component Index
Figure 101



Right Side Panel, P61 - Component Location
Figure 102 (Sheet 1)



Right Side Panel, P61 - Component Location (Detail from Sht 1)
Figure 102 (Sheet 2)

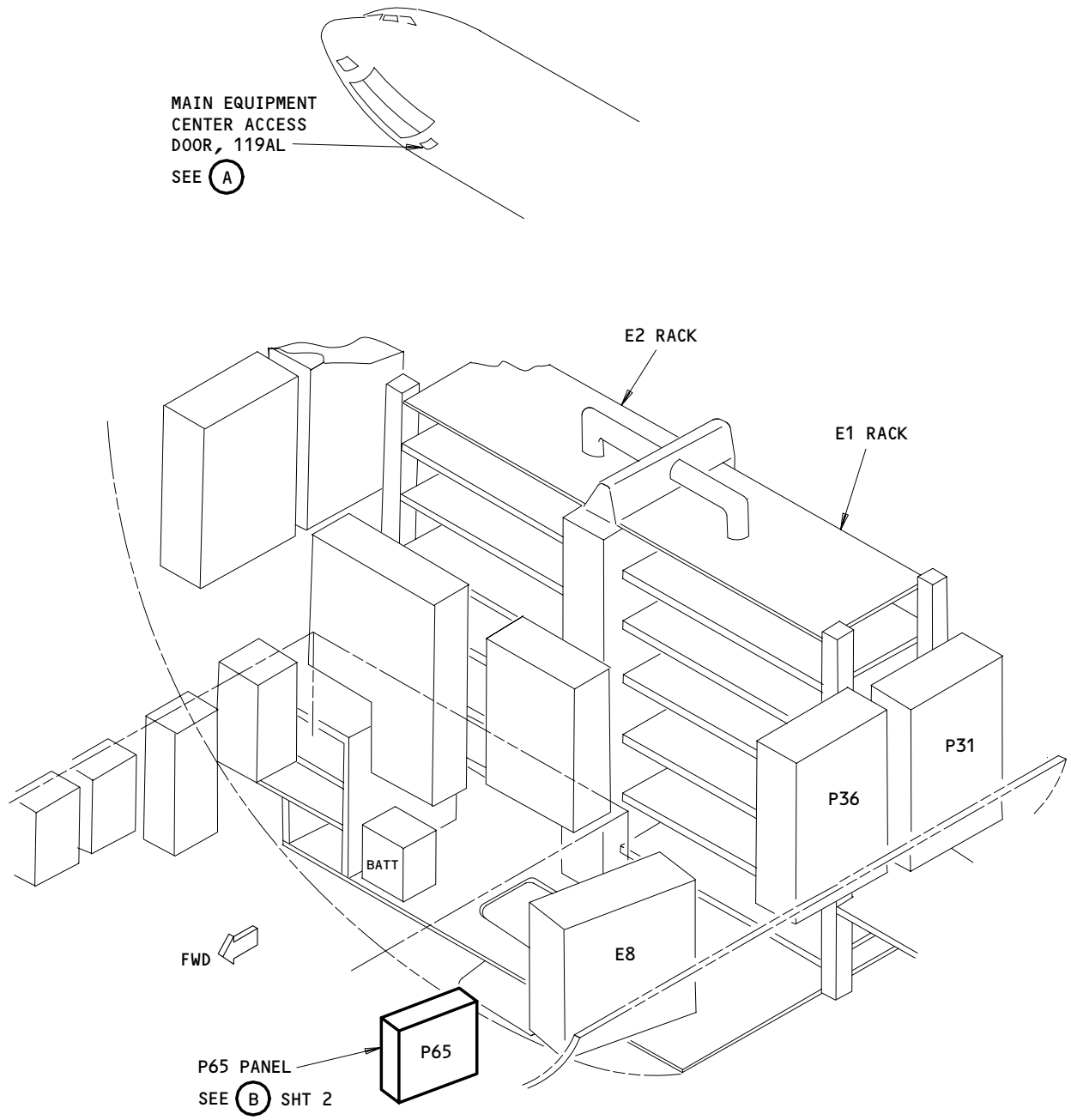
HYDRAULIC GENERATOR POWER PANEL, P65

COMPONENT	FIG. 102 SHT	QTY	ACCESS/AREA	REFERENCE
MODULES –			119AL, MAIN EQUIP CTR, P65	
M1226	2	1	(B)	*
M1228	2	1	(B)	*
M1230	2	1	(B)	*
RELAYS –			119AL, MAIN EQUIP CTR, P65	
K858	2	1	(B)	*
K859	2	1	(B)	*
K860	2	1	(B)	*
K861	2	1	(B)	*
K862	2	1	(B)	*
K863	3	1	(B)	*
K864	2	1	(B)	*
K865	2	1	(B)	*
K873	2	1	(B)	*
K1242	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 TO FIND THE COMPONENTS ON THE ILLUSTRATION. FOR EXAMPLE, (A) REFERS TO VIEW A.

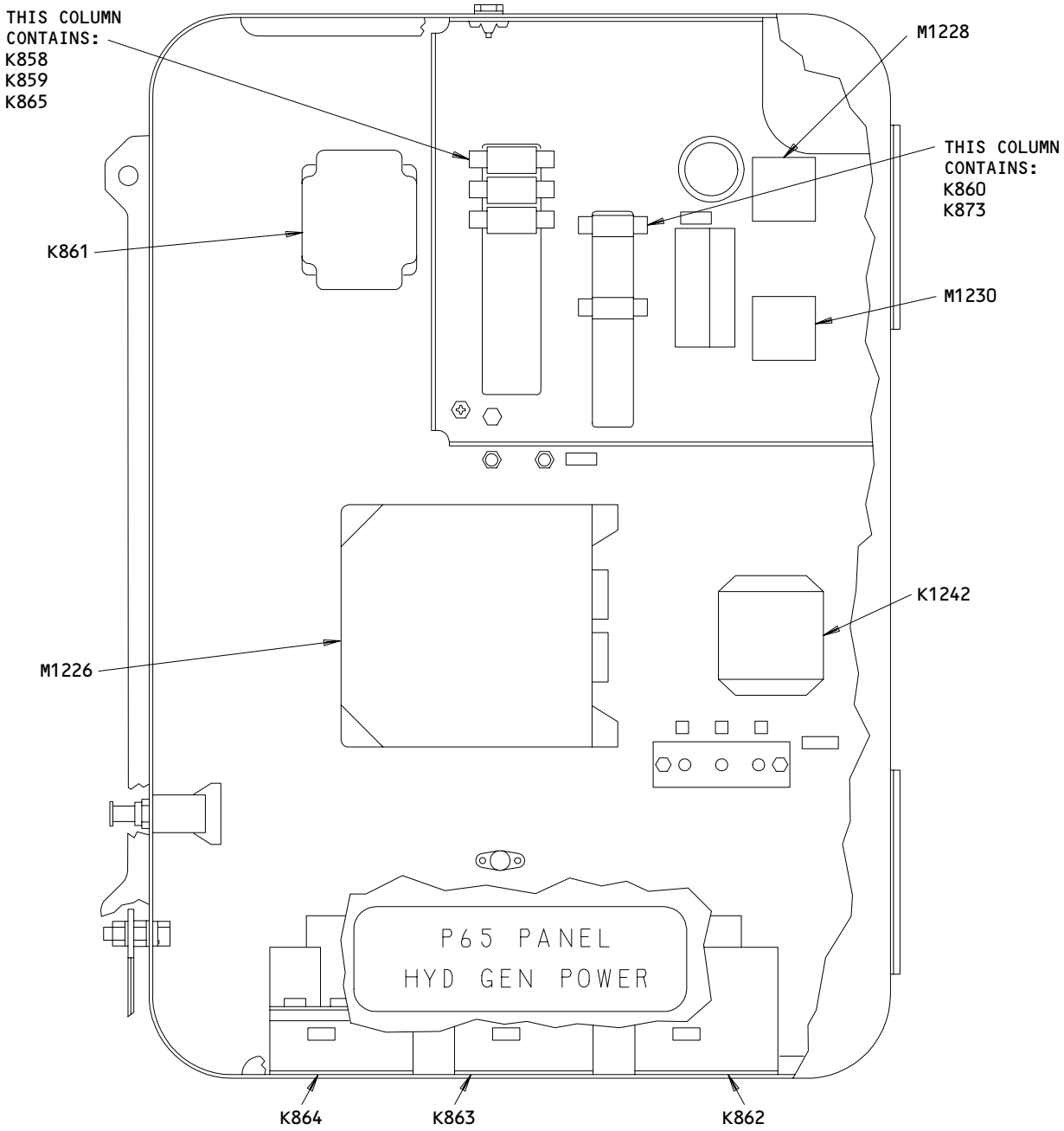
Hydraulic Generator Power Panel, P65 – Component Index
Figure 101



MAIN EQUIPMENT CENTER

A

Hydraulic Generator Power Panel, P65 - Component Location
Figure 102 (Sheet 1)



P65 PANEL
B

Hydraulic Generator Power Panel, P65 - Component Location (Detail from Sheet 1)
Figure 102 (Sheet 2)

FORWARD LEFT MISCELLANEOUS ELECTRICAL PANEL, P87

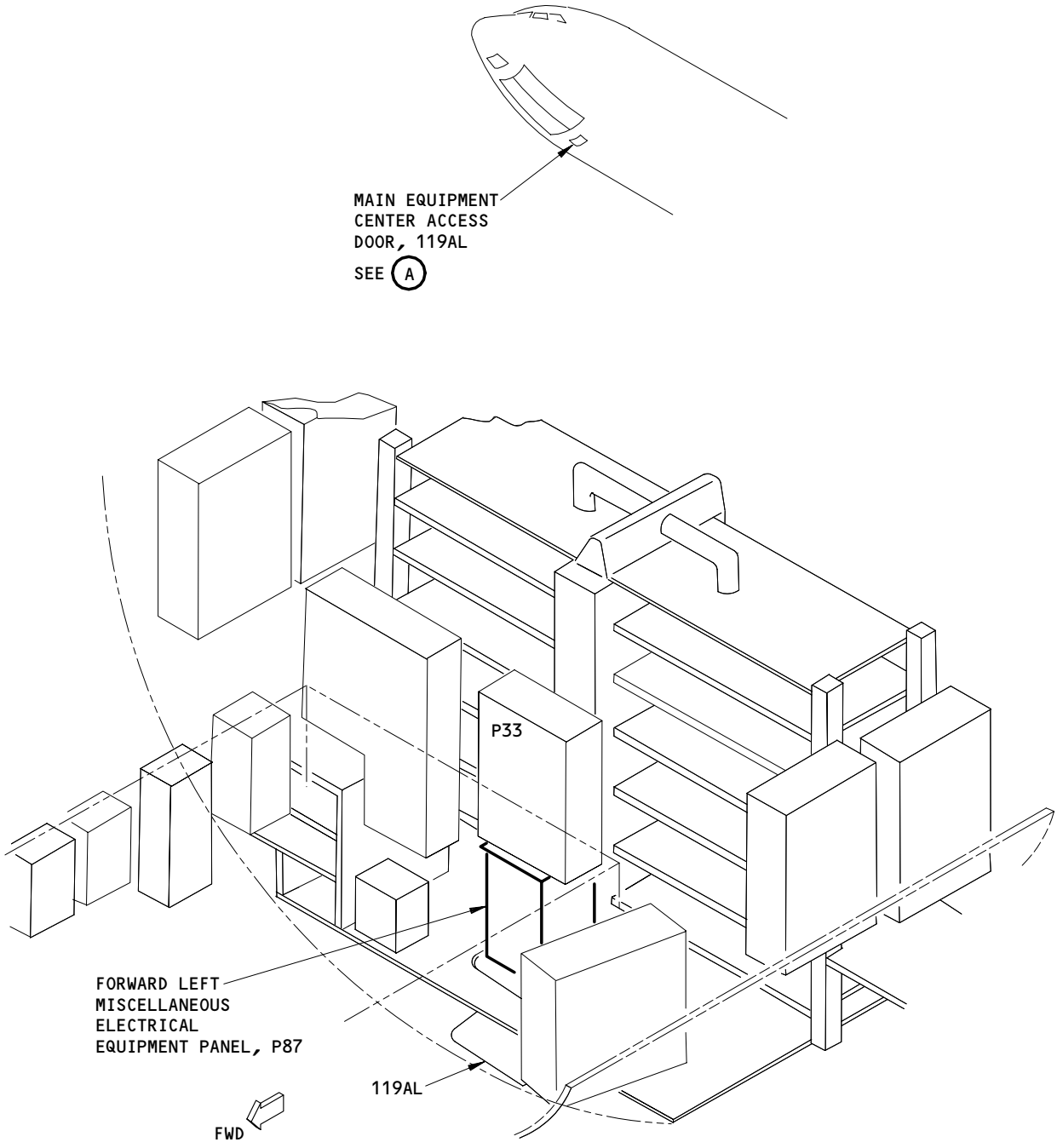
COMPONENT	FIG. 102 SHT	QTY	ACCESS/AREA	AMM REFERENCE
RELAY -			119AL, MAIN EQUIP CTR, P87	
K1316		1	(A)	*
K1317		1	(A)	*
K1318		1	(A)	*
K1319		1	(A)	*
K1325		1	(A)	*
K1326		1	(A)	*
TERMINAL BLOCK -			119AL, MAIN EQUIP CTR	
TB454		1	(A)	*
TB456		1	(A)	*

* SEE THE WDM EQUIPMENT LIST

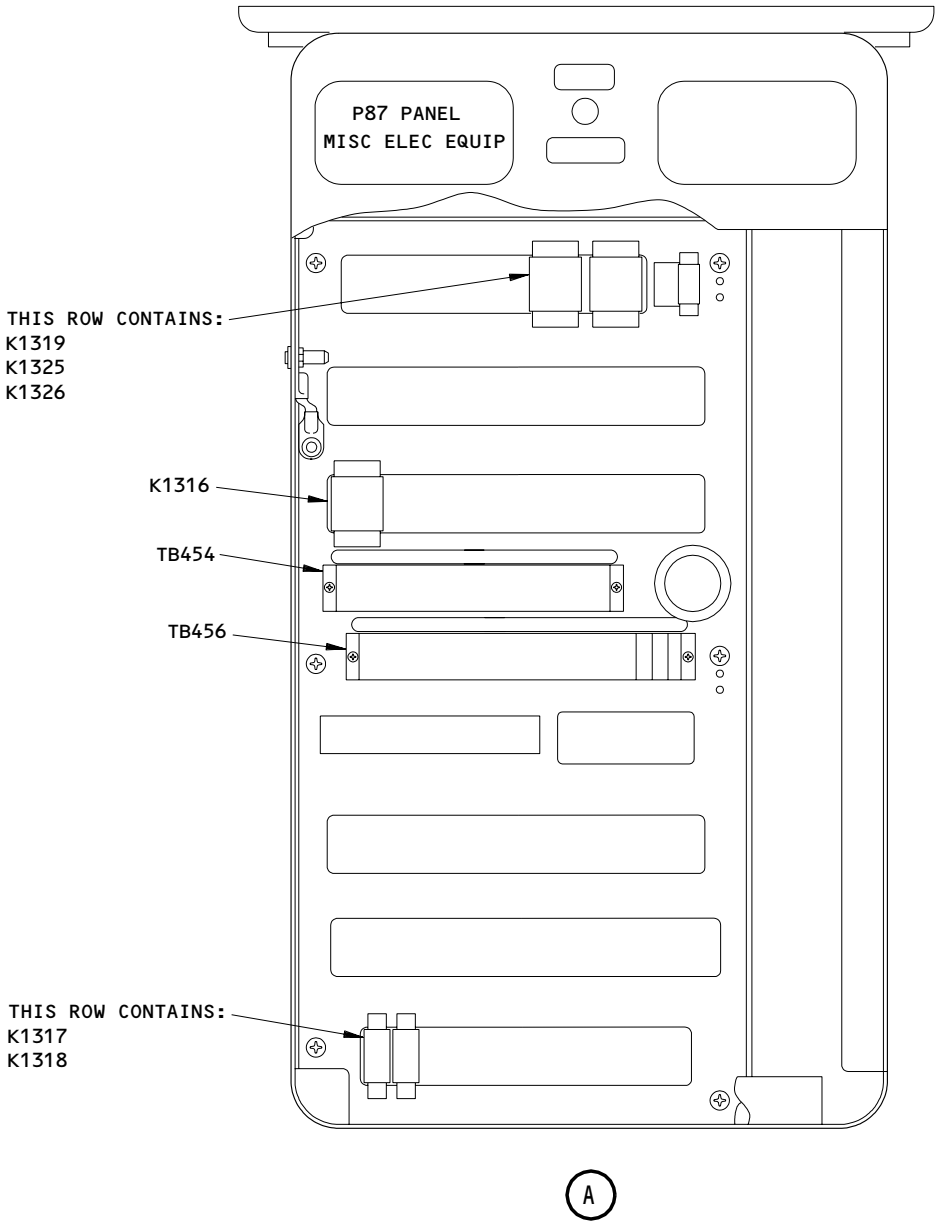
NOTE: THE (X) BELOW THE ACCESS/AREA REFERS TO THE VIEW SHOWN ON FIG. 102. THIS HELPS TO FIND THE COMPONENTS ON THE ILLUSTRATION. FOR EXAMPLE, (A) REFERS TO VIEW A.

Forward Left Miscellaneous Electrical Panel, P87 - Component Index
Figure 101

E97558



Forward Left Miscellaneous Electrical Equipment Panel, P87 - Component Location
Figure 102 (Sheet 1)



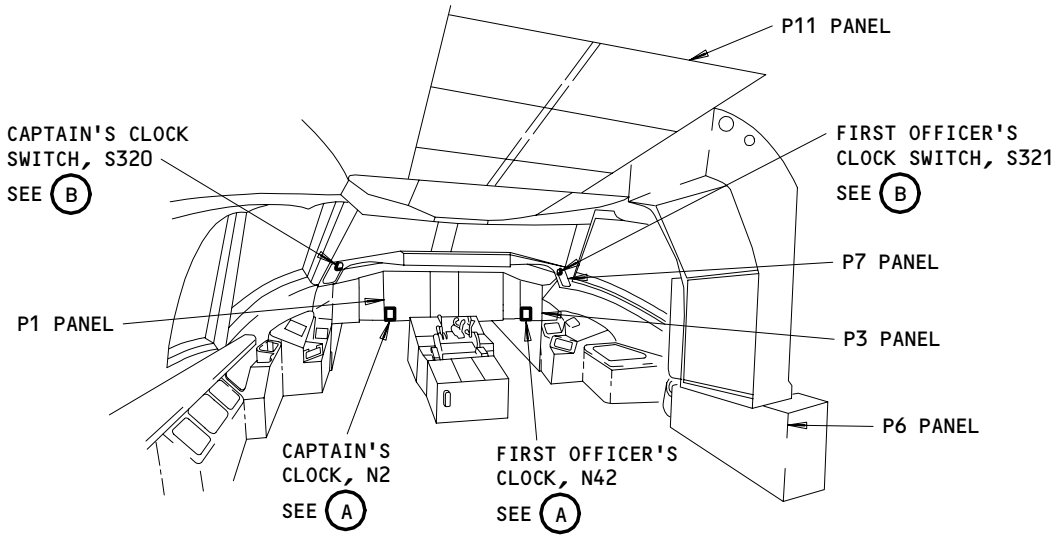
Forward Left Miscellaneous Electrical Panel, P87 - Component Location
Figure 102 (Sheet 2)

CLOCKS

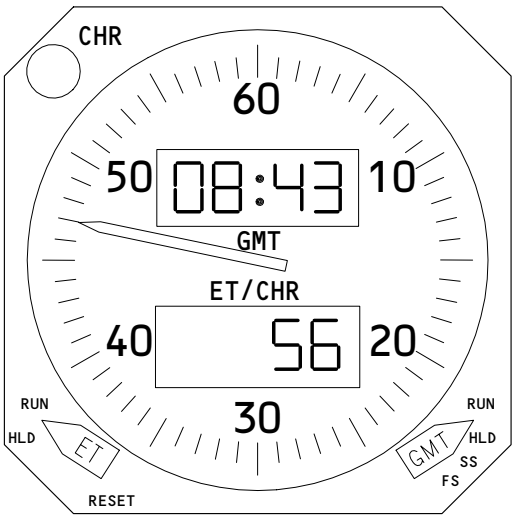
COMPONENT	FIG. 102 SHT	QTY	ACCESS/AREA	AMM REFERENCE
CIRCUIT BREAKER -	--		FLT COMPT, P6	*
CLOCK TIME BASE L, C563		1	6G3	
CLOCK TIME BASE R, C576		1	6G4	*
CIRCUIT BREAKER -	--		FLT COMPT, P11	
CLOCK IND L, C573		1	11B17	*
CLOCK IND R, C574		1	11J36	*
CLOCK - CAPT, N2	--	1	FLT COMPT, P1	31-25-01
CLOCK - F/O, N42	--	1	FLT COMPT, P3	31-25-01
COMPUTER - (FIM 34-61-00/101)				
FLT MGT LEFT, M134				
FLT MGT RIGHT, M135				
SWITCH - CAPT CLOCK, S320	--	1	FLT COMPT, P7	31-25-01
SWITCH - F/O CLOCK, S321	--	1	FLT COMPT, P7	31-25-01
UNIT - (FIM 31-31-00/101)				
DGTL FLT DATA ACQ, M138				
UNIT - (FIM 31-35-00/101)				
DATA MGT, M1200				

* SEE THE WDM EQUIPMENT LIST

Clocks - Component Index
Figure 101

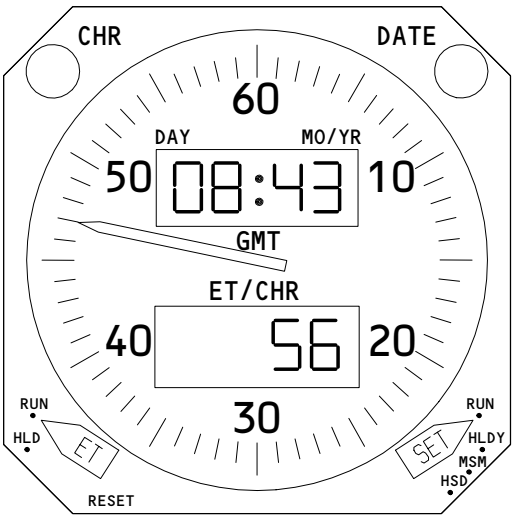


FLIGHT COMPARTMENT



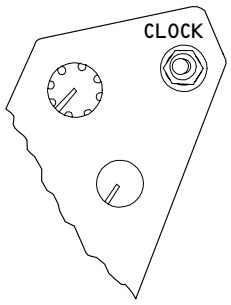
CLOCK N2,N42

A 1



CLOCK N2,N42

A 2



CLOCK SWITCH S320,S321

B

1 SAS 001-274,277-280

2 SAS 275,276,281-999

Clocks - Component Location
Figure 102

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

PREREQUISITES

MAKE SURE THESE CIRCUIT BREAKERS ARE CLOSED:
6G3,6G4,11B17,11J36

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

1 ON THE CAPT'S (F/O'S) CLOCK, DO THE GMT AND ET/CHR DISPLAYS SHOW ALL ZEROS?

YES

20 SAS 001,274,277-280;
ON THE CAPT'S (F/O'S) CLOCK, SET THE GMT SWITCH TO SS FOR A MINIMUM OF ONE COUNT, THEN SET THE SET SWITCH TO RUN.
SAS 275,276,281-999;
ON THE CAPT'S (F/O'S) CLOCK, PUT THE SET SWITCH TO MSM FOR A MINIMUM OF ONE COUNT, THEN SET THE SET SWITCH TO RUN.
IF THE PROBLEM CONTINUES, REPLACE THE CAPT'S (F/O'S) CLOCK N2 (N42)(AMM 31-25-01/401).

NO

2 ON THE CAPT'S (F/O'S) CLOCK, DO THE GMT AND ET/CHR DISPLAYS SHOW BLANK?

NO

21 REPLACE THE CAPT'S (F/O'S) CLOCK N2 (N42)(AMM 31-25-01/401).

YES

22 OPEN AND CLOSE CIRCUIT BREAKERS 6G3 (6G4) AND 11B17 (11J36).
IF THE PROBLEM CONTINUES, REPLACE THE CAPT'S (F/O'S) CLOCK N2 (N42)(AMM 31-25-01/401).
IF THE PROBLEM CONTINUES, DO THE STEPS THAT FOLLOW:
1. REMOVE THE CAPT'S (F/O'S) CLOCK N2 (N42) (AMM 31-25-01/401)
2. EXAMINE THE CAPT'S (F/O'S) CIRCUIT FROM THE CLOCK, CONNECTOR D103 (D719), PIN 3, TO CIRCUIT BREAKER 11B17 (11J36), AND THE CLOCK, CONNECTOR D103 (D719), PIN 4, TO GROUND (WDM 31-25-11)
REPAIR THE PROBLEMS THAT YOU FIND
3. EXAMINE THE CAPT'S (F/O'S) CIRCUIT FROM THE CLOCK, CONNECTOR D103 (D719), PIN 8, TO CIRCUIT BREAKER 6G3 (6G4), AND THE CLOCK, CONNECTOR D103 (D719), PIN 9, TO GROUND (WDM 31-25-11)
REPAIR THE PROBLEMS THAT YOU FIND.

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

1. General

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

A. 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.

2. Equipment

A. Standard multi-meter.

B. Data Bus Analyzer - 429EB; JcAIR Instrumentation
(preferred)
400 Industrial Parkway
Industrial Airport, KS 66031
- 429-2; Interface Technology
(optional)
150 E. Arrow Highway,
San Dimas, CA 91773

C. Breakout box A34011-1 (Preferred)
A34011-112 (Optional)

CLOCK

DIGITAL OUTPUT BUS CHART

BUS NAME SOURCE	TYPE	BUS	CON	PINS	BUS FORMAT	BIT RATE	DATA BUS
CLOCK (L R)	A	1			429	LO	CLOCK OUTPUT BUS1
CLOCK (L R)	B	2			419	LO	CLOCK OUTPUT BUS2

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

CLOCK ID = 31								
OCTAL LABELS CHART								
SIGNAL	TYPE	LABEL	FORMAT	MIN UPDATE RATE	SDI	BINARY RANGE	POSITIVE SENSE	UNITS
GMT TIME-BNR (429)	A	150	BNR	5		0-23:59:59	ALWAYS POS	HRS:M:S
GMT TIME (419)	B	N/A	BCD	10		0-23:59:59	ALWAYS POS	HRS:M:S

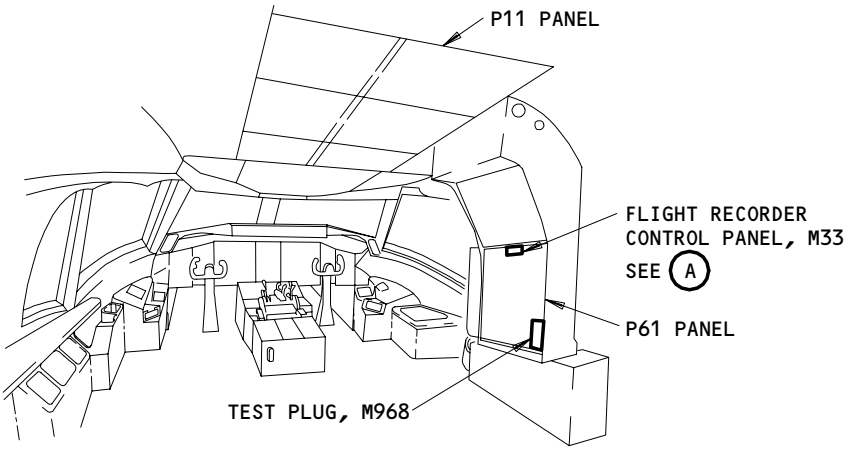
FLIGHT DATA RECORDER SYSTEM

COMPONENT	FIG. 102 SHT	QTY	ACCESS/AREA	AMM REFERENCE
ACCELEROMETER – FLIGHT RECORDER, TS28	2	1	LEFT WHEEL WELL	31-31-05
BEACON – UNDERWATER LOCATOR	2	1	AFT PASS. CABIN, E7	31-31-02
CIRCUIT BREAKER –	1		FLT COMPT, P11	
ACMS AC POWER, C643		1	11J4	*
ACMS SENSOR, C572		1	11J6	*
FLIGHT RECORDER AC, C561		1	11J7	*
FLIGHT RECORDER DC, C578		1	11J8	*
DIODE – R267		1	119AL, MAIN EQUIP CTR, E2-3	*
PANEL – FLIGHT RECORDER CONTROL, M33	1	1	FLT COMPT, P61	31-31-04
PLUG – TEST, M968	1	1	FLT COMPT, P8	*
PRINTER – (FIM 31-35-00/101)				
M1631 [1]				
RECORDER – (FIM 31-35-00/101)				
QUICK ACCESS, M1134 [1]				
RECORDER – DIGITAL-FLIGHT DATA, M200	2	1	AFT PASS. CABIN, E7	31-31-01
RELAY – (FIM 31-01-36/101)				
DFDAU BITE, K834				
FLT REC CONTROL, K163				
RELAY – (FIM 31-01-37/101)				
FLT REC ADC I/P SWITCHING, K554				
FLT REC CONTROL, K164				
FLT REC EFIS I/P SWITCHING, K15				
TRANSDUCER –				
CABIN PRESSURE, TS356	3	1	119AL, MAIN EQUIP BAY	31-31-12
CONTROL COLUMN POSITION, TS353	1	1	113AL, FWD EQUIP BAY	31-31-08
CONTROL WHEEL POSITION, TS354	1	1	119AL, MAIN EQUIP CTR	31-31-09
LEFT ALTERNATE BRAKE PRESSURE, TS474	1	2	LEFT WHEEL WELL	31-31-15
LEFT BRAKE PRESSURE, TS452	1	2	LEFT WHEEL WELL	31-31-13
RIGHT ALTERNATE BRAKE PRESSURE, TS473	1	2	RIGHT WHEEL WELL	31-31-15
RIGHT BRAKE PRESSURE, TS451	1	2	RIGHT WHEEL WELL	31-31-13
RUDDER PEDAL POSITION, TS355	1	1	113AL FWD EQUIP BAY	31-31-10
UNIT – FIM 31-35-00/101)				
DATA MANAGEMENT, M1200 [1]				
UNIT – DIGITAL FLIGHT DATA ACQUISITION, M138	3	1	119AL, MAIN EQUIP CTR, E2-3	31-31-03

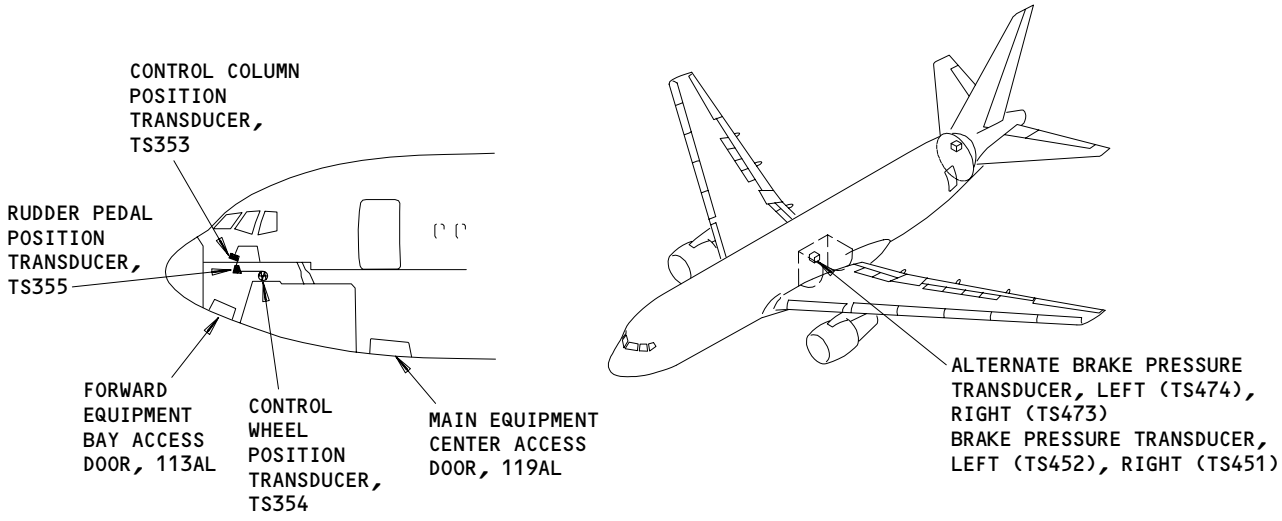
* SEE THE WDM EQUIPMENT LIST

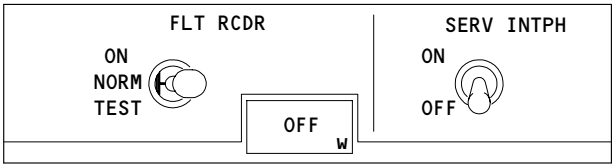
[1] ALL MTH AIRPLANES; SAS 155-999

Flight Data Recorder System – Component Index
Figure 101



FLIGHT COMPARTMENT

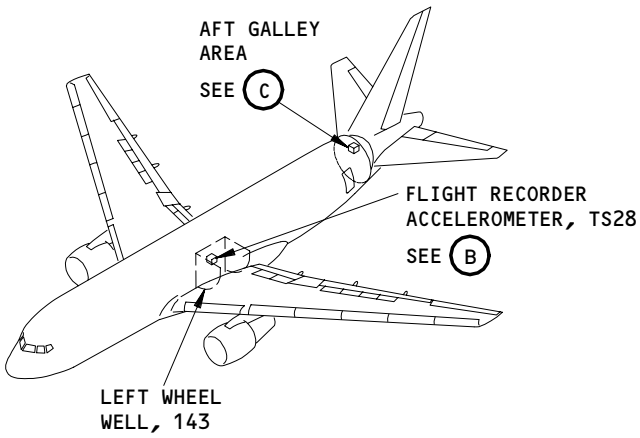


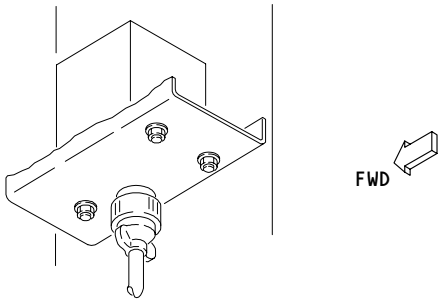


FLIGHT RECORDER CONTROL PANEL, M33

A

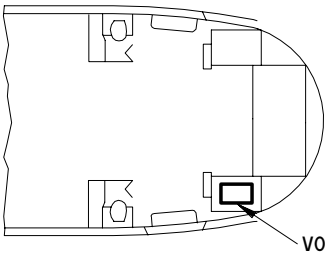
Flight Data Recorder System - Component Location
Figure 102 (Sheet 1)





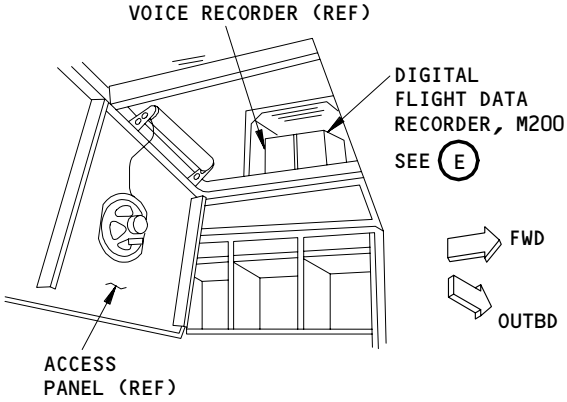
FLIGHT RECORDER ACCELEROMETER, TS28

B



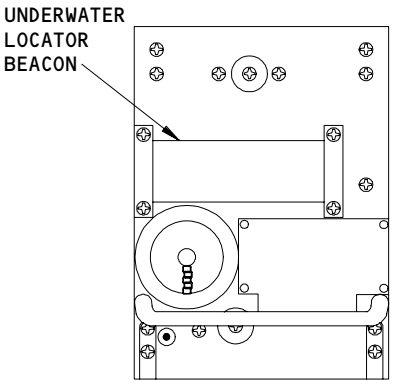
AFT GALLEY AREA

C



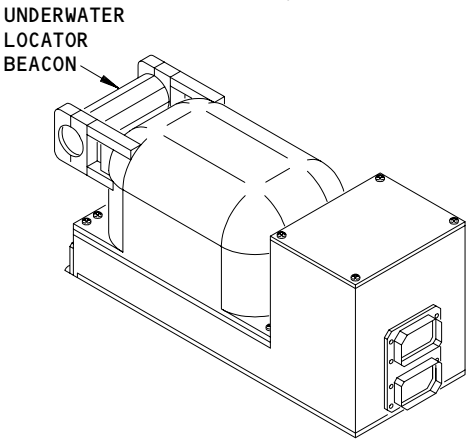
ELECTRONIC EQUIPMENT RACK, E7

D



DIGITAL FLIGHT DATA RECORDER, M200

E 1



DIGITAL FLIGHT DATA RECORDER, M200

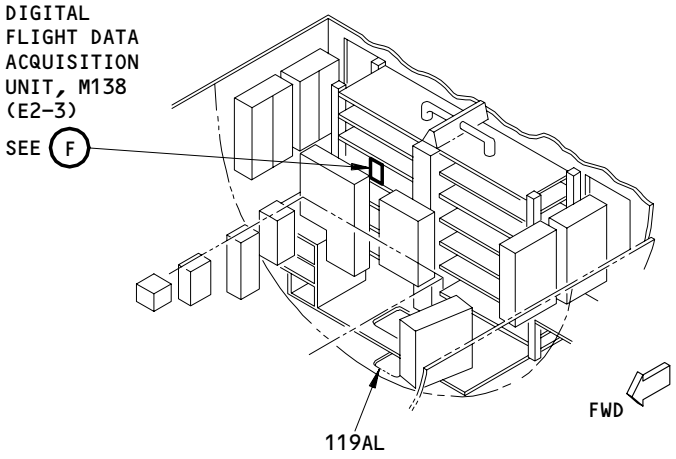
E 2

1 SAS 050-280

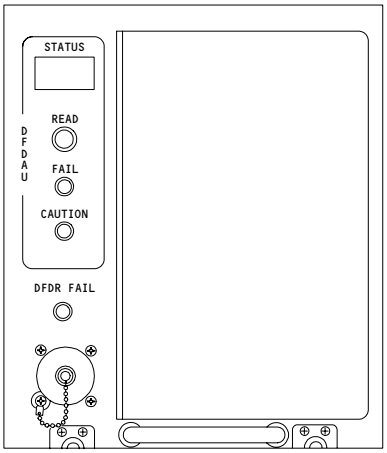
2 SAS 281-999

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

F19108



MAIN EQUIPMENT CENTER



DIGITAL FLIGHT DATA
ACQUISITION UNIT, M138

F

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

PREREQUISITES

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

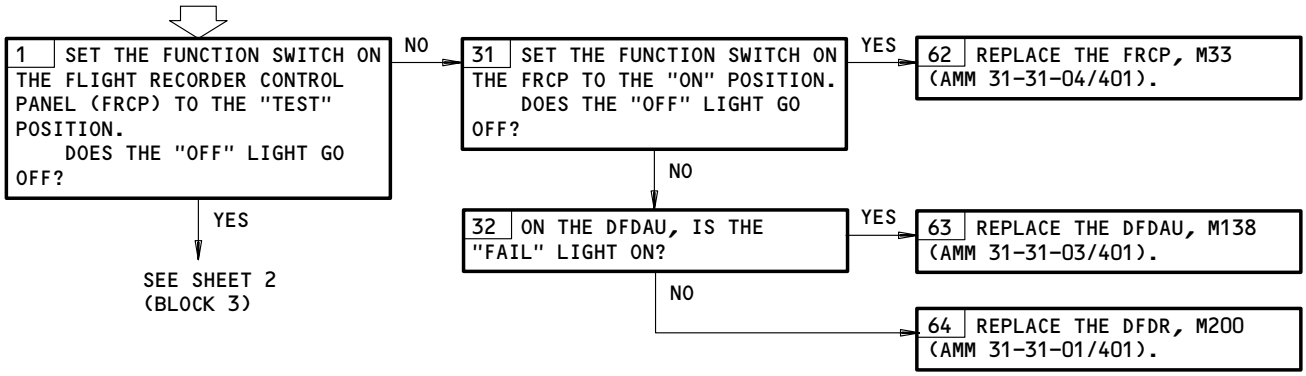
MAKE SURE THESE CIRCUIT BREAKERS ARE CLOSED:
11D19,11D20,11J7,11J8

MAKE SURE THIS CIRCUIT BREAKER IS OPEN AND ATTACH A DO-NOT-CLOSE TAG:
1 11C29

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

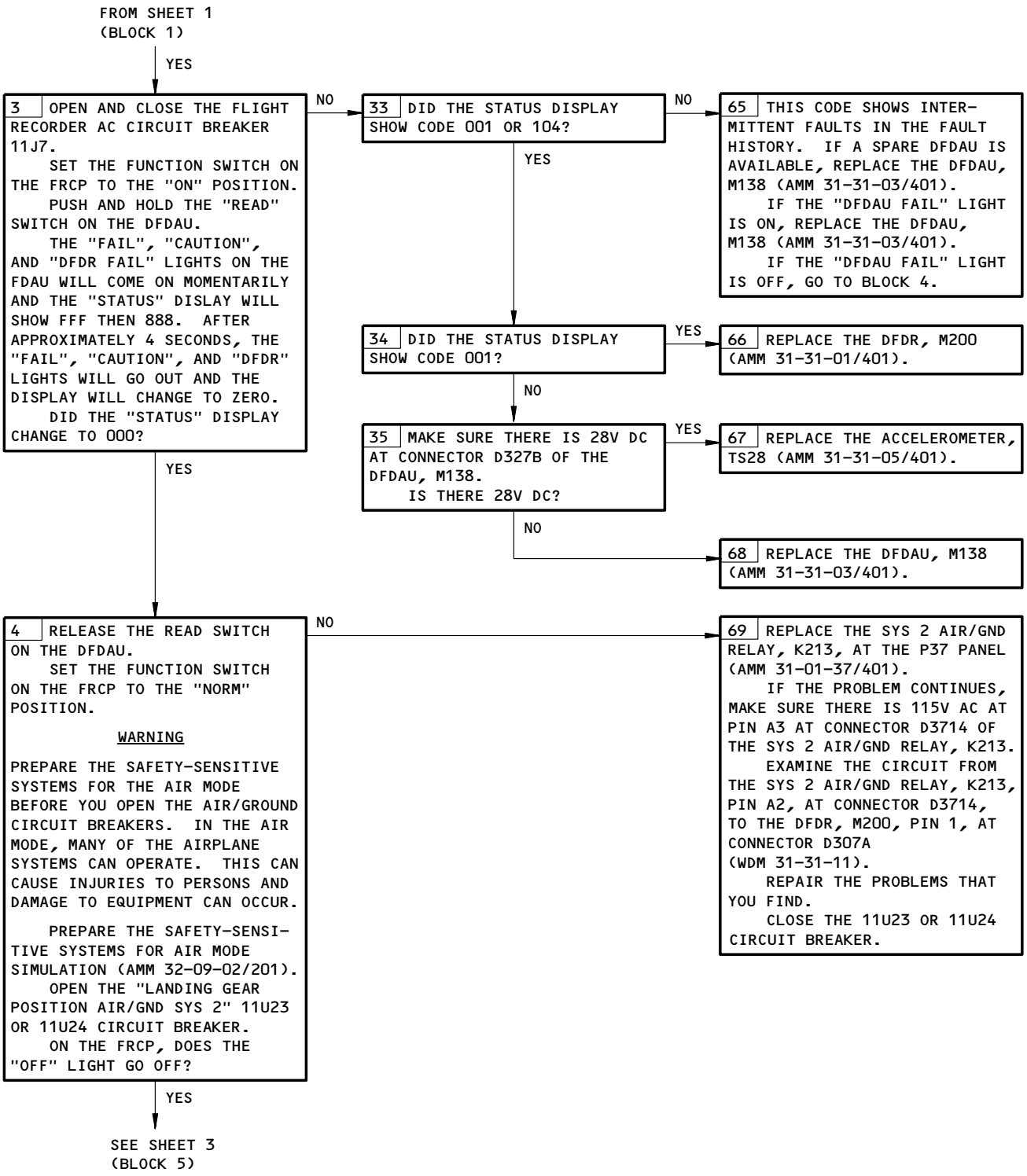
NOTE: AFTER THE FAULT ISOLATION PROCEDURE IS COMPLETED, REMOVE THE DO-NOT-CLOSE TAG AND CLOSE THE 11C29 CIRCUIT BREAKER. 1

FLIGHT RECORDER SYSTEM SELF-TEST

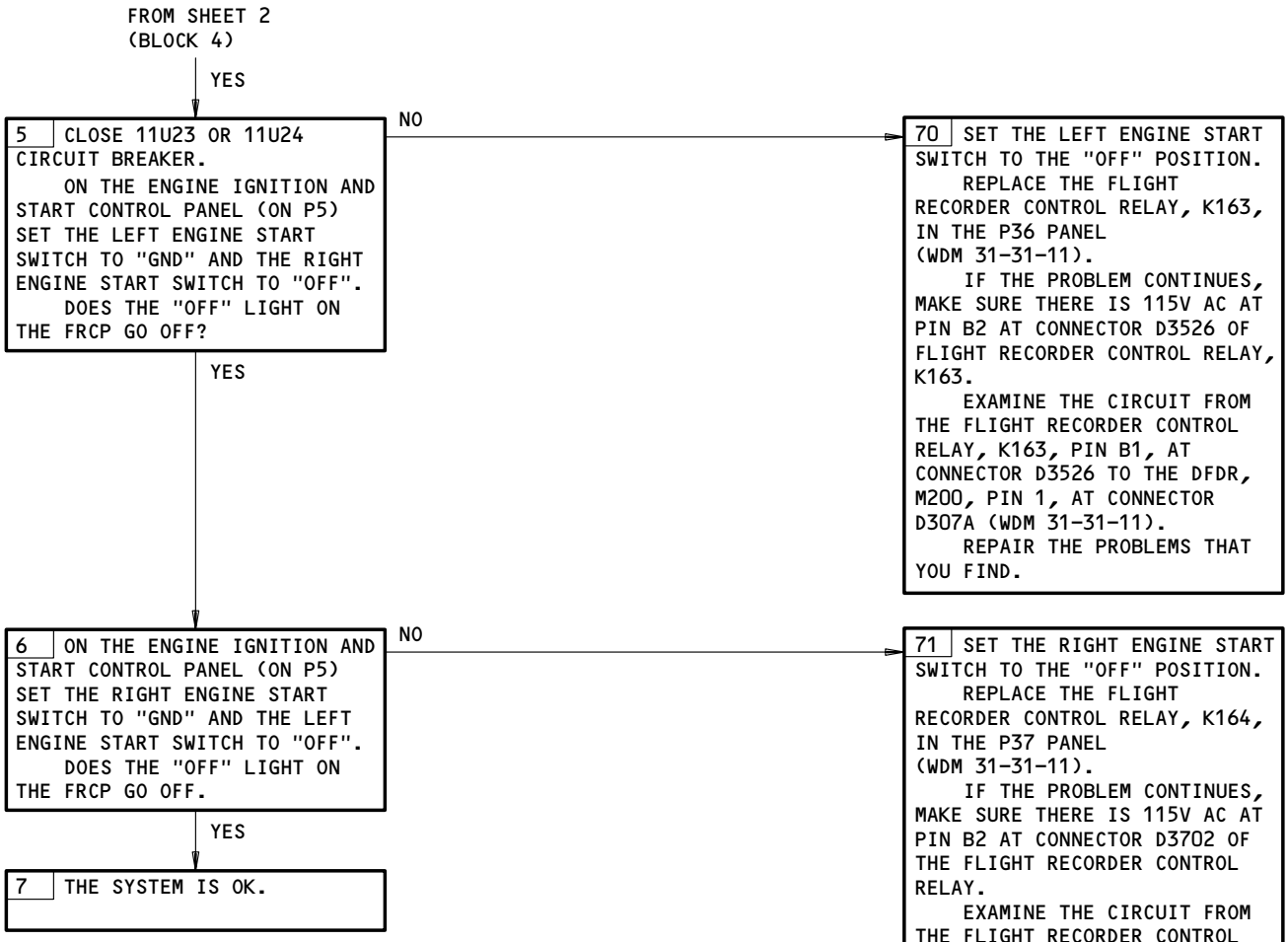


1 AIRPLANES WITH THE "LANDING GEAR POSITION AIR/GND SYS 2 ALTN" CIRCUIT BREAKER INSTALLED AT 11C29.

Flight Recorder System Self-Test
Figure 103 (Sheet 1)



Flight Recorder System Self-Test
Figure 103 (Sheet 2)



Flight Recorder System Self-Test
Figure 103 (Sheet 3)

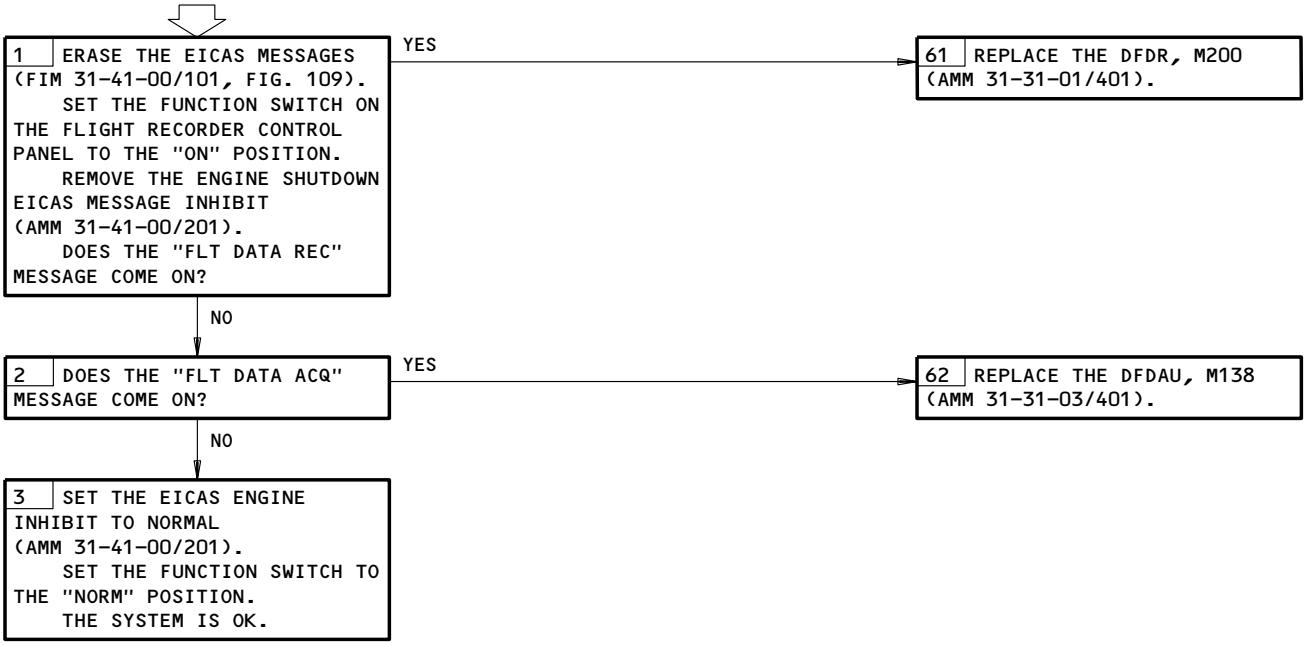
PREREQUISITES

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

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

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



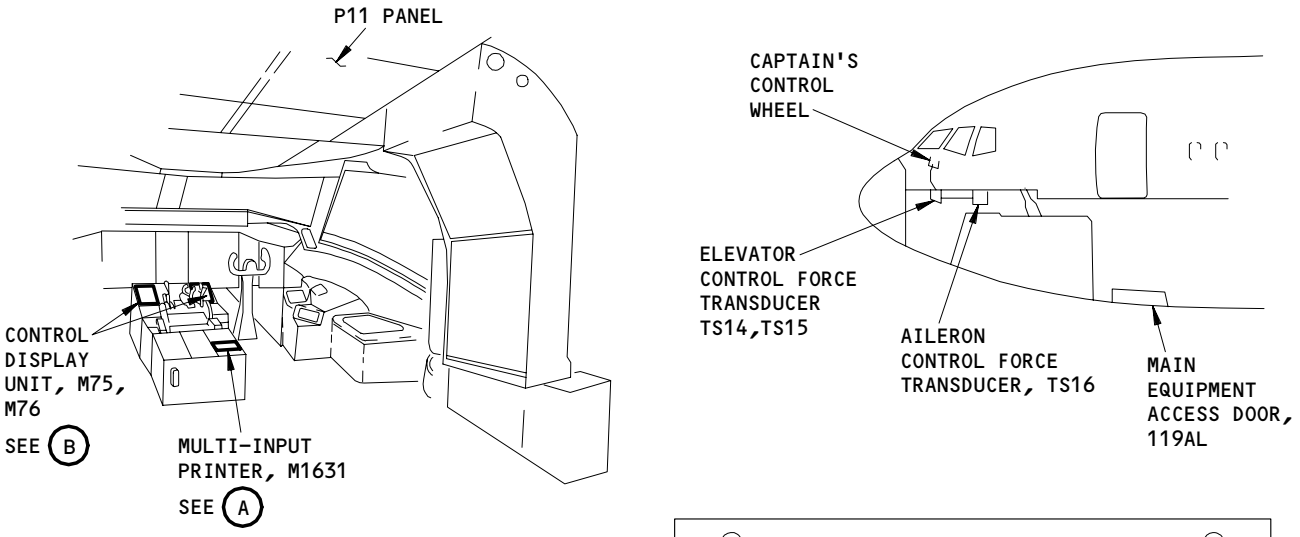
EICAS Msg FLT DATA REC or FLT DATA ACQ Displayed
Figure 104

AIRPLANE CONDITION MONITORING SYSTEM

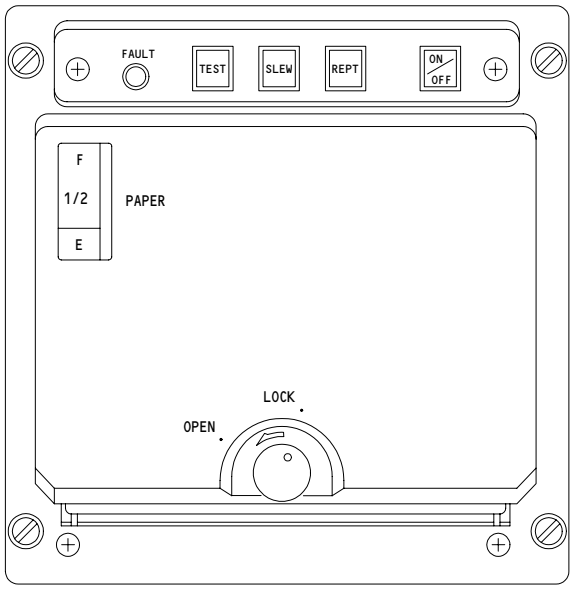
COMPONENT	FIG. 102 SHT	QTY	ACCESS/AREA	REFERENCE
CIRCUIT BREAKERS	1		FLT COMPT, P11	
ACMS AC POWER, C569		1	11J4	*
ACMS SENSOR, C672		1	11J6	*
FLIGHT RECORDER AC, C561		1	11J7	*
FLIGHT RECORDER DC, C578		1	11J8	*
PRINTER, C671		1	11J1	*
PLUG - (REF 31-31-00, FIG. 101)				
FLIGHT RECORDER TEST, M968				
PRINTER - MULTI-INPUT, M1631	1	1	FLT COMPT, P8	31-35-06
RECORDER - QUICK ACCESS, M1134	2	1	119AL, MAIN EQUIP CTR, E2-2	31-35-04
TRANSDUCER - LEFT AILERON CONTROL FORCE, TS16	1	1	113AL, FWD EQUIP BAY	31-35-11
TRANSDUCER - LEFT ELEVATOR CONTROL FORCE, TS15	1	1	113AL, FWD EQUIP BAY	31-35-10
TRANSDUCER - RIGHT ELEVATOR CONTROL FORCE, TS14	1	1	113AL, FWD EQUIP BAY	31-35-10
UNIT - (REF 34-61-00, FIG. 101)				
LEFT CONTROL DISPLAY, M76				
RIGHT CONTROL DISPLAY, M77				
UNIT - DATA MANAGEMENT, M1200	2	1	119AL, MAIN EQUIP CTR, E2-2	31-35-08
UNIT - (REF 31-31-00, FIG. 101)				
DIGITAL FLIGHT DATA ACQ, M138				

* SEE THE WDM EQUIPMENT LIST

Airplane Condition Monitoring System - Component Index
Figure 101

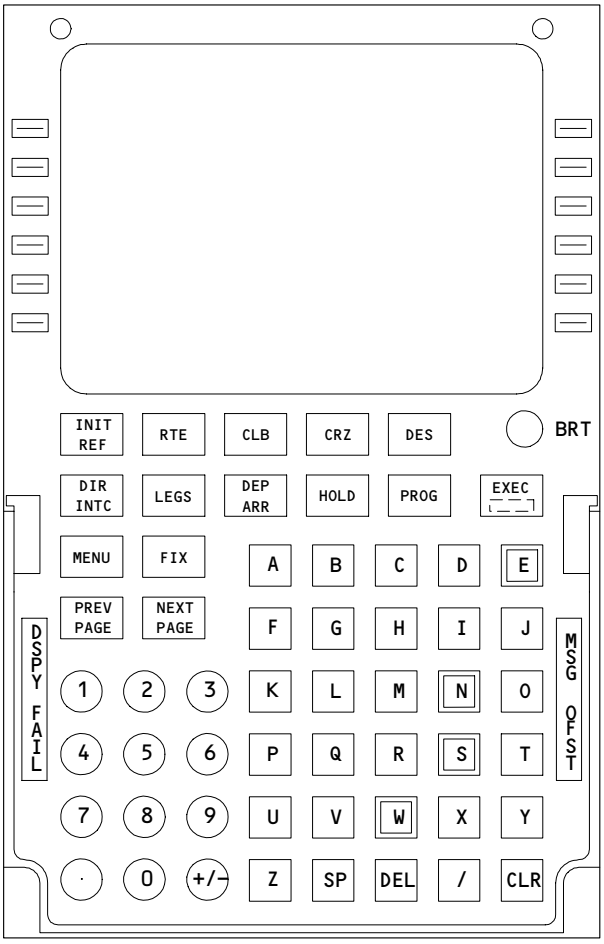


FLIGHT COMPARTMENT



MULTI-INPUT PRINTER, M1631

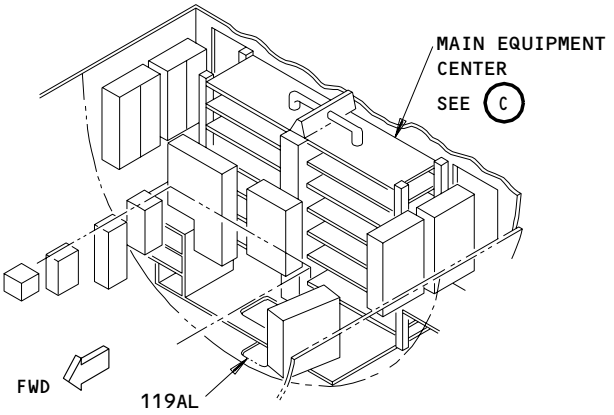
(A)

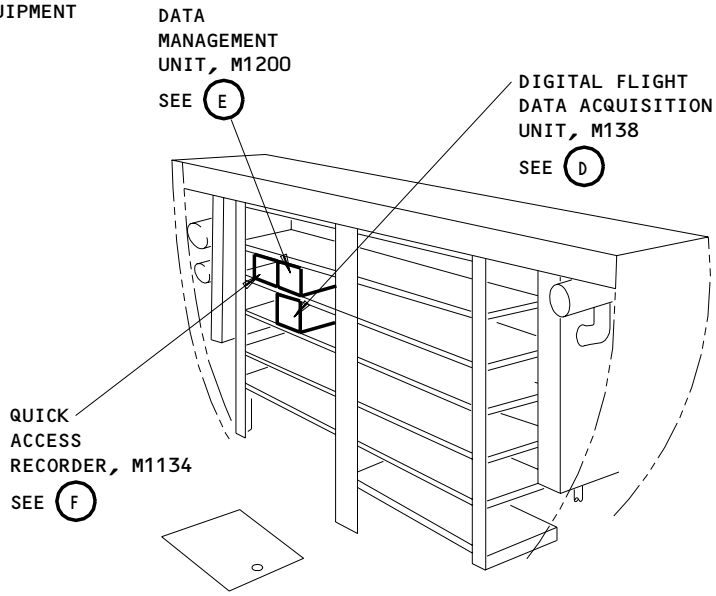


CONTROL DISPLAY UNIT, M76,M77

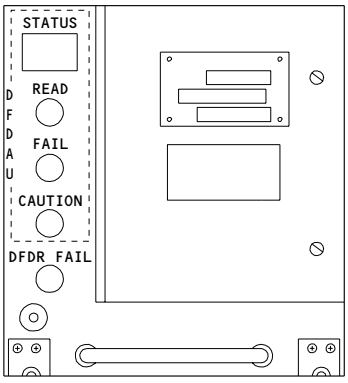
(B)

Airplane Condition Monitoring System - Component Location
Figure 102 (Sheet 1)

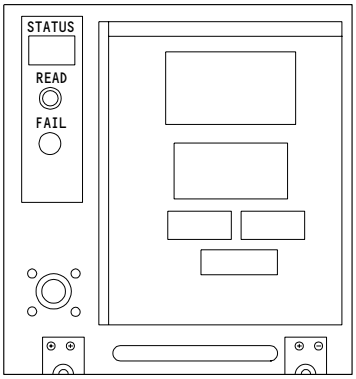




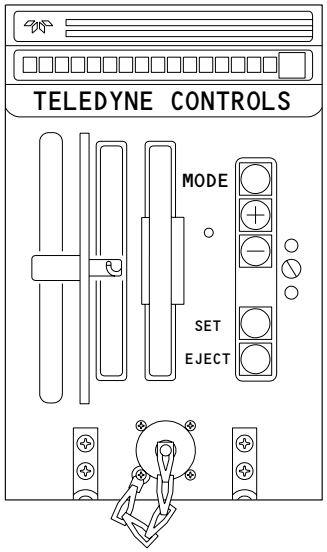
MAIN EQUIPMENT CENTER
C



DIGITAL FLIGHT DATA ACQUISITION UNIT, M138
D



DATA MANAGEMENT UNIT, M1200
E



QUICK ACCESS RECORDER, M1134
F

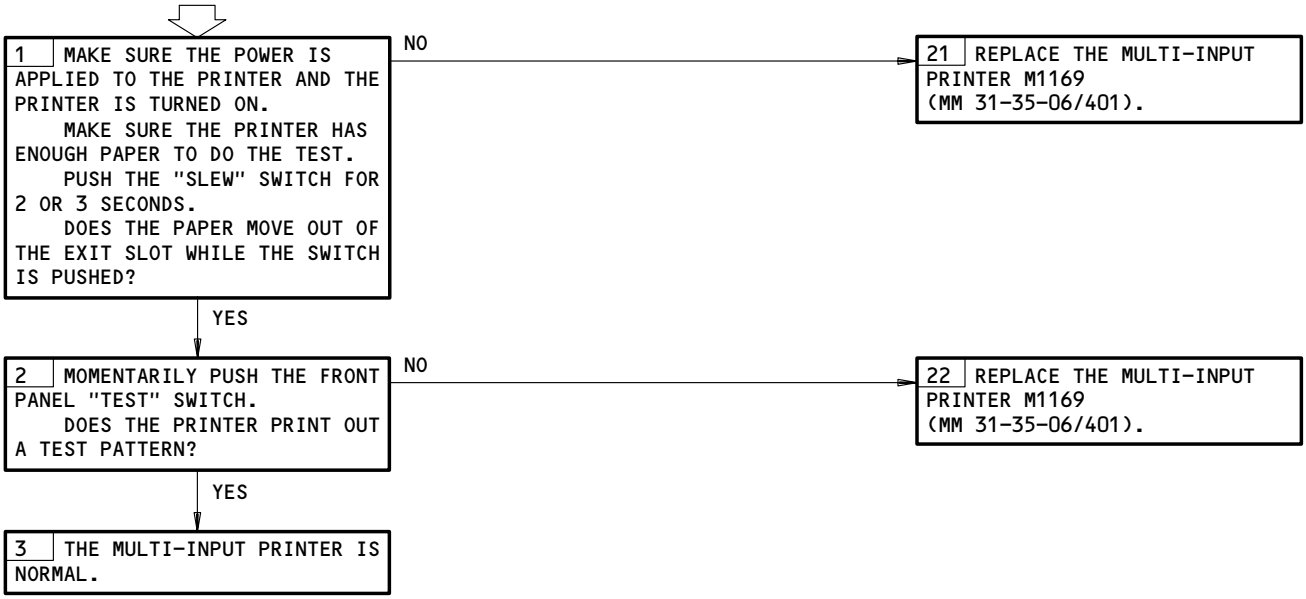
Airplane Condition Monitoring System – Component Location
Figure 102 (Sheet 2)

MULTI-INPUT PRINTER PROBLEMS

PREREQUISITES

MAKE SURE THIS CIRCUIT BREAKERS IS CLOSED:
11J1

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



Multi-Input Printer Problems
Figure 103

ENGINE INDICATION AND CREW ALERTING SYSTEM

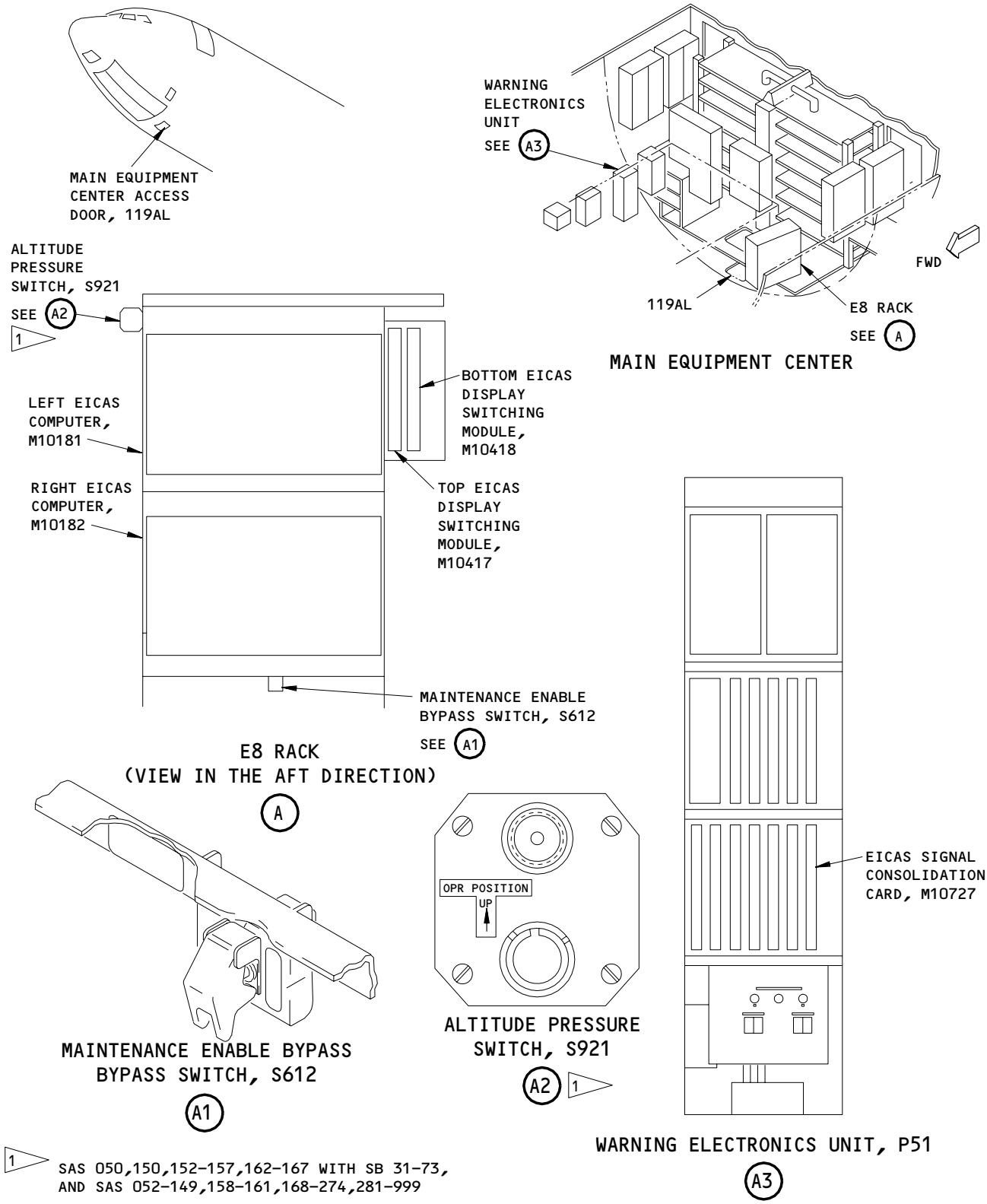
COMPONENT	FIG. 102 SHT	QTY	ACCESS/AREA	AMM REFERENCE
CARD – EICAS SIGNAL CONSOLIDATION, M10727	1	1	119AL, MAIN EQUIPMENT CENTER	31-41-07
CIRCUIT BREAKER –	2		FLIGHT COMPARTMENT, P11	
EICAS CMPTR L, C4078		1	11J2	*
EICAS CMPTR R, C4079		1	11J29	*
EICAS DSPL SELECT, C4094		1	11J32	*
EICAS DSPL SW, C4189		1	11J31	*
EICAS LOWER DSPL, C4082		1	11J30	*
EICAS UPPER DSPL, C4081		1	11J3	*
COMPUTER – LEFT EICAS, M10181	1	1	119AL, MAIN EQUIPMENT CENTER, E8	31-41-02
COMPUTER – RIGHT EICAS, M10182	1	1	119AL, MAIN EQUIPMENT CENTER, E8	31-41-02
INDICATOR – EICAS DISPLAY BOTTOM, N10014	2	1	FLIGHT COMPARTMENT, P2	31-41-01
INDICATOR – EICAS DISPLAY TOP, N10013	2	1	FLIGHT COMPARTMENT, P2	31-41-01
MODULE – EICAS DISPLAY SWITCHING, BOTTOM, M10418	1	1	119AL, MAIN EQUIPMENT CENTER, E8	31-41-04
MODULE – EICAS DISPLAY SWITCHING, TOP, M10417	1	1	119AL, MAIN EQUIPMENT CENTER, E8	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 – (FIM 31-01-36/101)		1		
SYSTEM NO. 2 AIR/GND, K202				
SENSOR – (FIM 34-22-00/101)		1		
EFIS REMOTE LIGHT, TS187				
SWITCH – ALTITUDE PRESSURE, S921 1>	1	1	119AL, MAIN EQUIPMENT CENTER, E8	*
SWITCH – CANCEL, S10170	2	1	FLIGHT COMPARTMENT, P1	*
SWITCH – CAPT MASTER CAUTION, LIGHTED, S507	2	1	FLIGHT COMPARTMENT, P7	*
SWITCH – F/O MASTER CAUTION, LIGHTED, S508	2	1	FLIGHT COMPARTMENT, P7	*
SWITCH – MAINT ENABLE BYPASS, S612	1	1	119AL, MAIN EQUIPMENT CENTER, E8	*
SWITCH – RECALL, S10230	2	1	FLIGHT COMPARTMENT, P1	*

* SEE THE WDM EQUIPMENT LIST

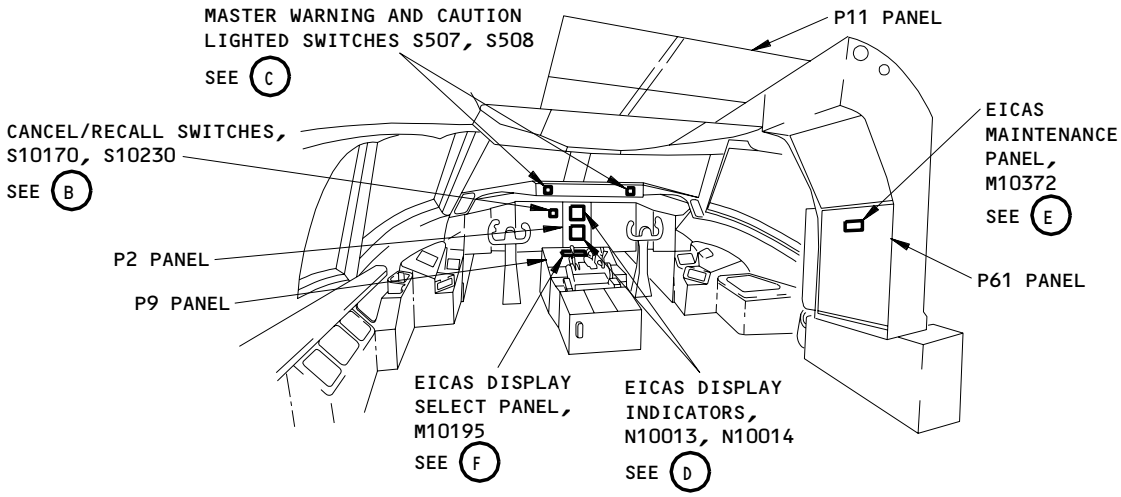
1> SAS 050,150,152-157,162-167 WITH SB 31-73, AND SAS 052-149,158-161,168-274,281-999

Engine Indication and Crew Alerting System – Component Index
Figure 101

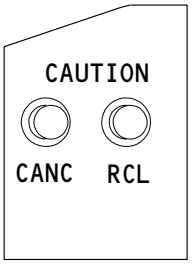
F21519



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



FLIGHT COMPARTMENT

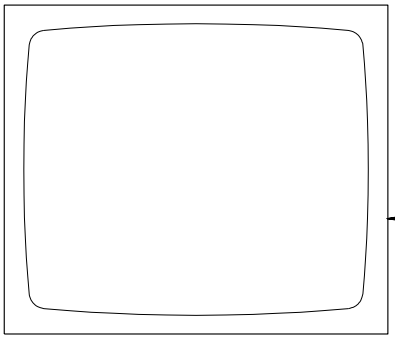


CANCEL/RECALL SWITCHES, S10170, S10230

B

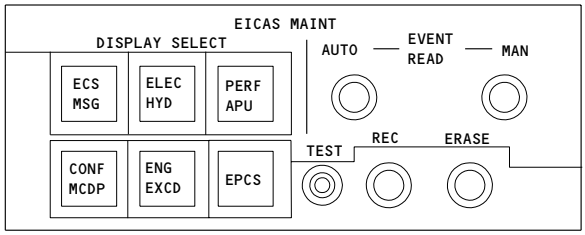
MASTER WARNING AND CAUTION LIGHTED SWITCH (EXAMPLE)

C



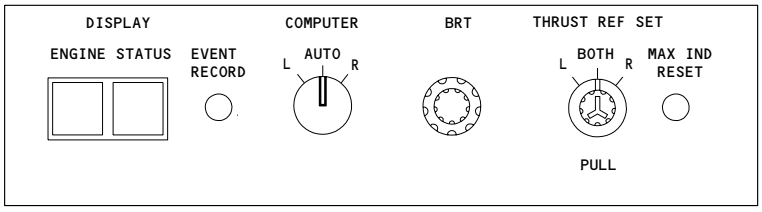
EICAS DISPLAY INDICATORS

D



EICAS MAINTENANCE PANEL, M10372

E



EICAS DISPLAY SELECT PANEL, M10195

F

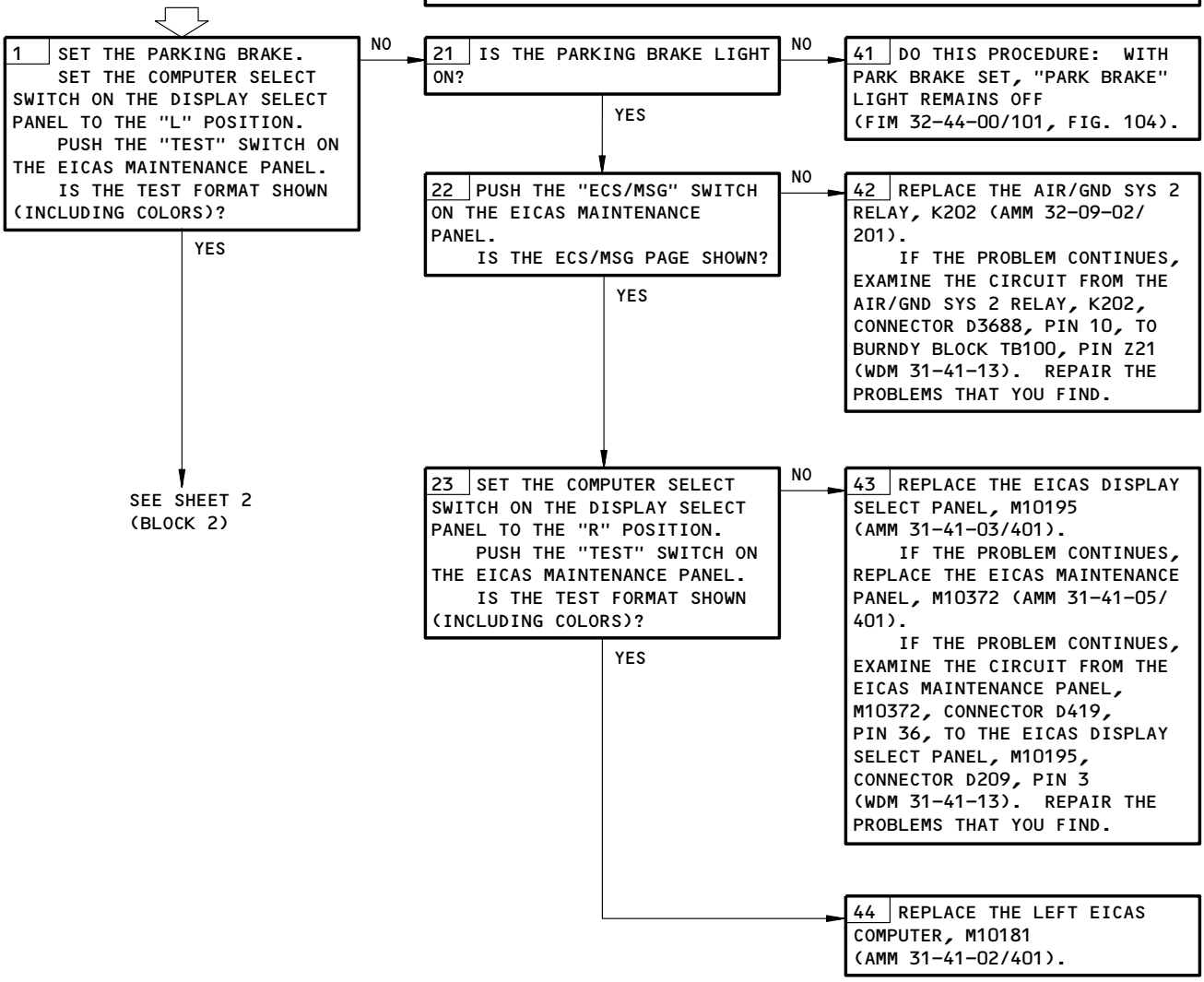
Engine Indication and Crew Alerting System – Component Location
Figure 102 (Sheet 2)

PREREQUISITES

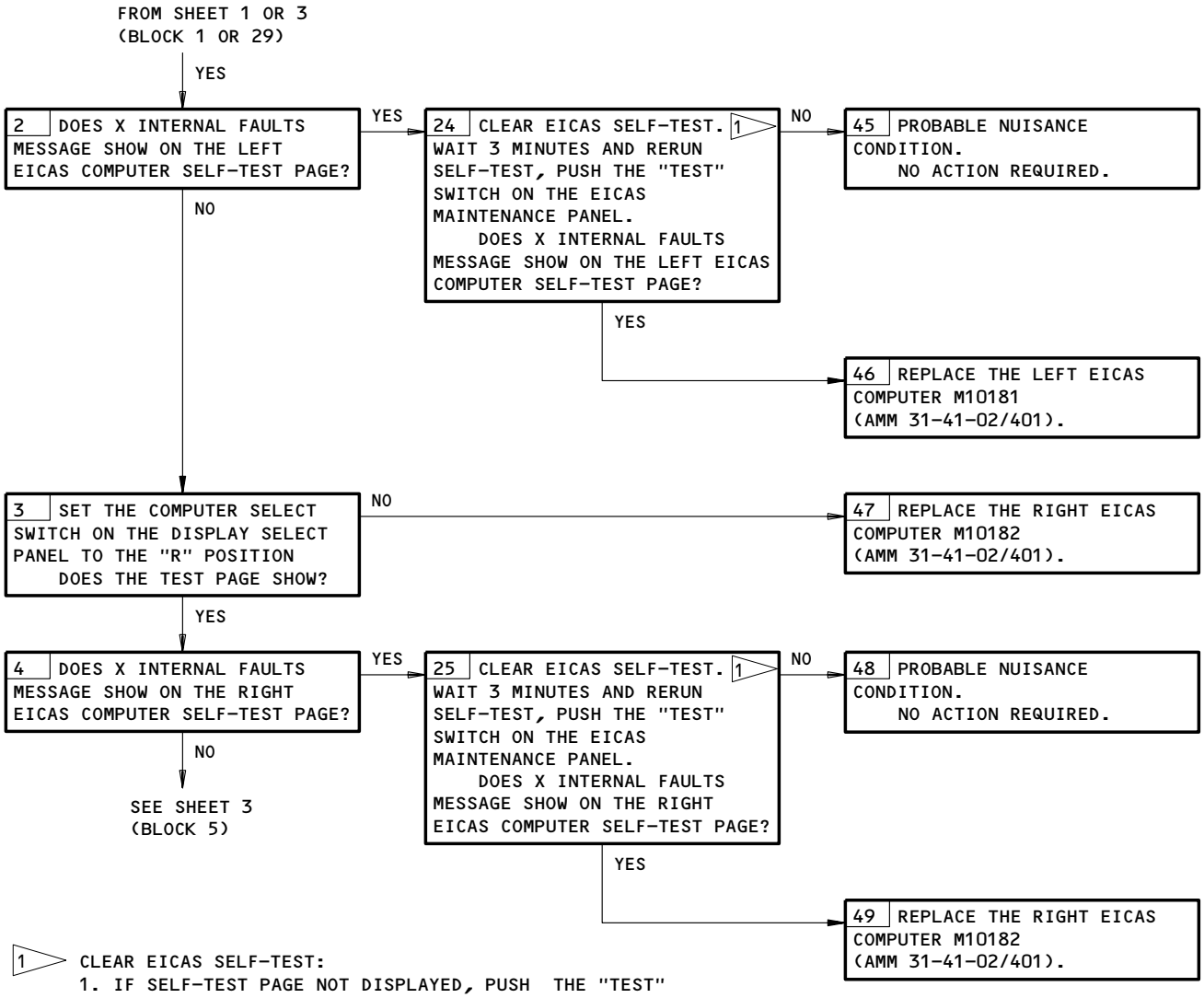
MAKE SURE THESE CIRCUIT BREAKERS ARE CLOSED:
11J2, 11J3, 11J29, 11J30, 11J31, 11J32, 11U15, 11U24

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

EICAS BITE PROCEDURE



EICAS BITE Procedure
Figure 103 (Sheet 1)

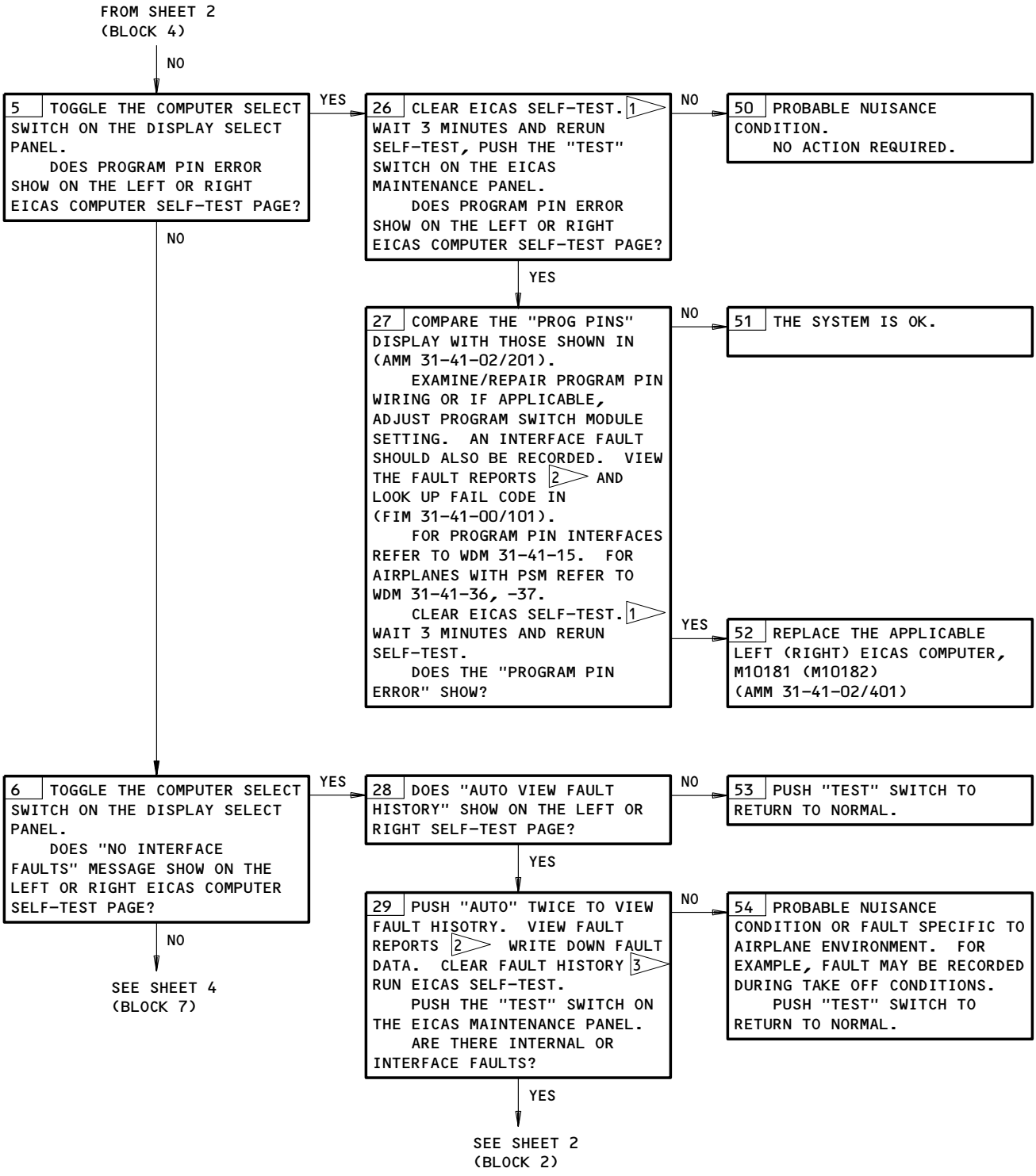


1 CLEAR EICAS SELF-TEST:
1. IF SELF-TEST PAGE NOT DISPLAYED, PUSH THE "TEST" SWITCH ON THE EICAS MAINTENANCE PANEL.
2. AFTER TEST IS COMPLETE RECORD ANY FAULTS THAT APPEAR. 2
3. PUSH "ERASE TWICE TO CLEAR FAULTS.
4. PUSH THE "TEST" SWITCH TO RETURN TO THE ENGINE PAGE.
5. WAIT 3 MINUTES BEFORE YOU DO ANOTHER SELF-TEST.

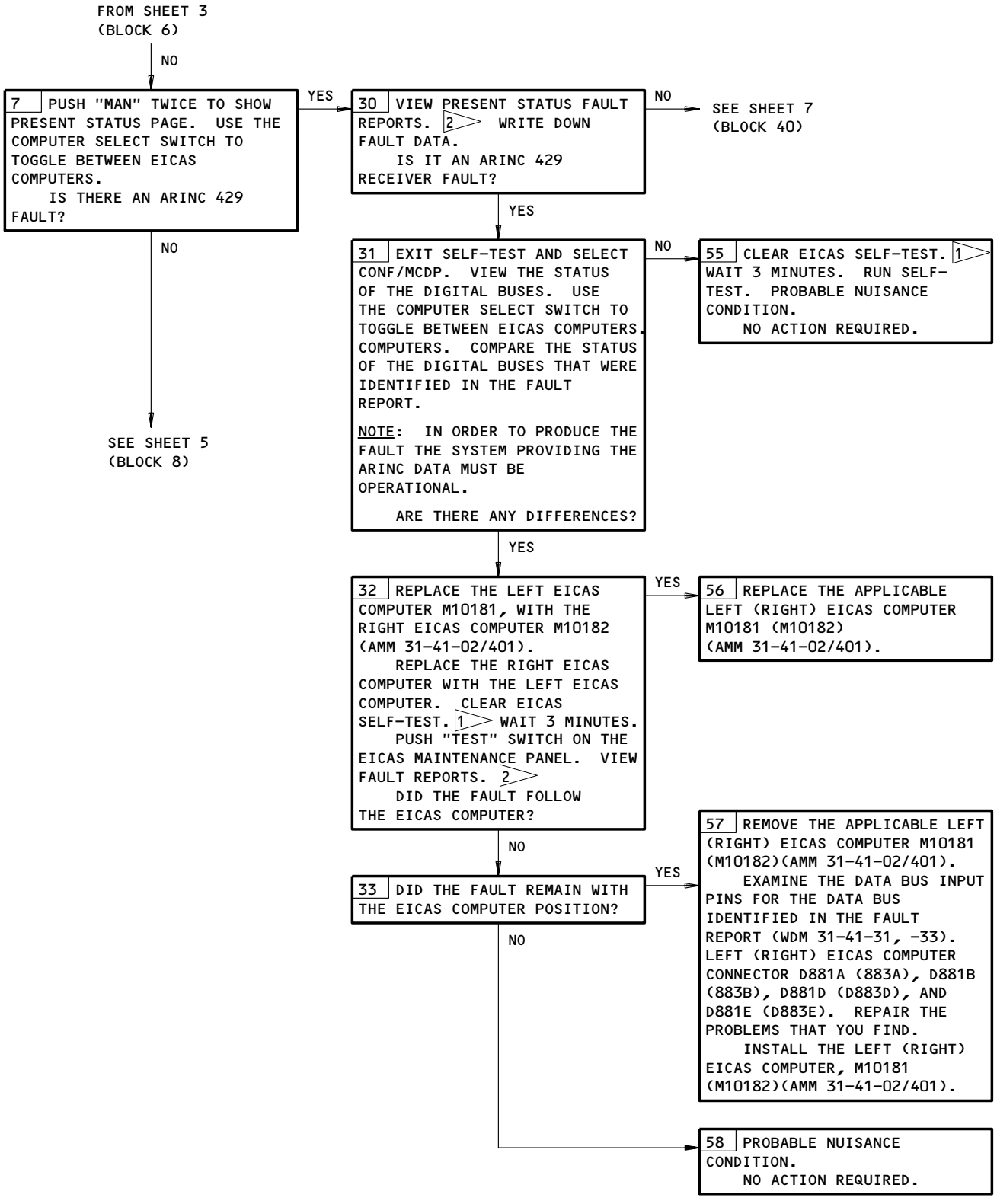
2 VIEW FAULT REPORTS:
1. INSTRUCTIONS "TO ACCESS BITE FUNCTIONS, PRESS KEY TWICE:" APPEARS ON THE SELF-TEST PAGE IF A FAULT HAS BEEN RECORDED.
2. PUSH "MAN" TWICE TO VIEW PRESENT STATUS
3. PUSH "AUTO" TWICE TO VIEW FAULT HISTORY.
4. FOLLOW THE INSTRUCTIONS AT THE BOTTOM OF THE PRESENT STATUS/FAULT HISTORY 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.

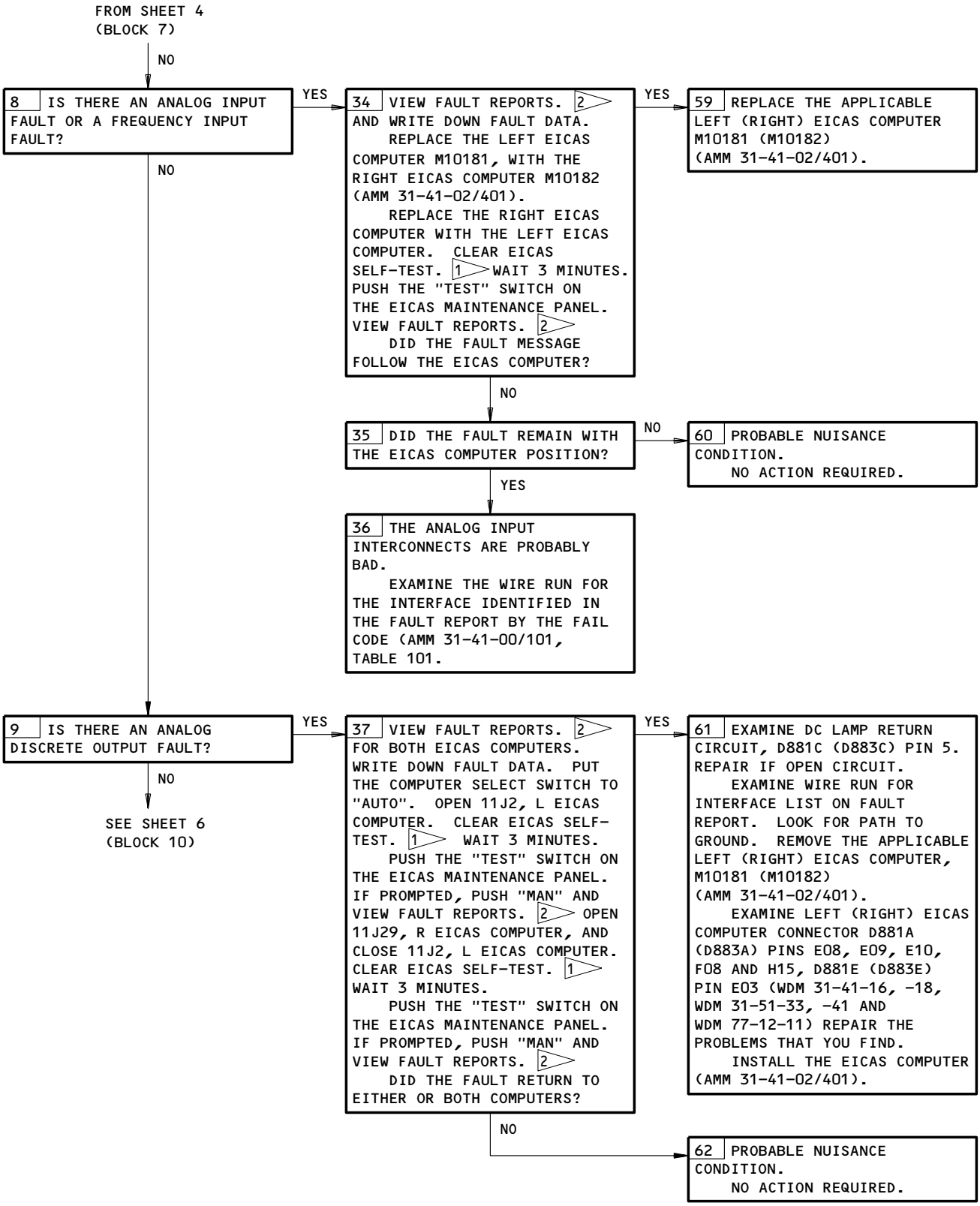
EICAS BITE Procedure
Figure 103 (Sheet 2)



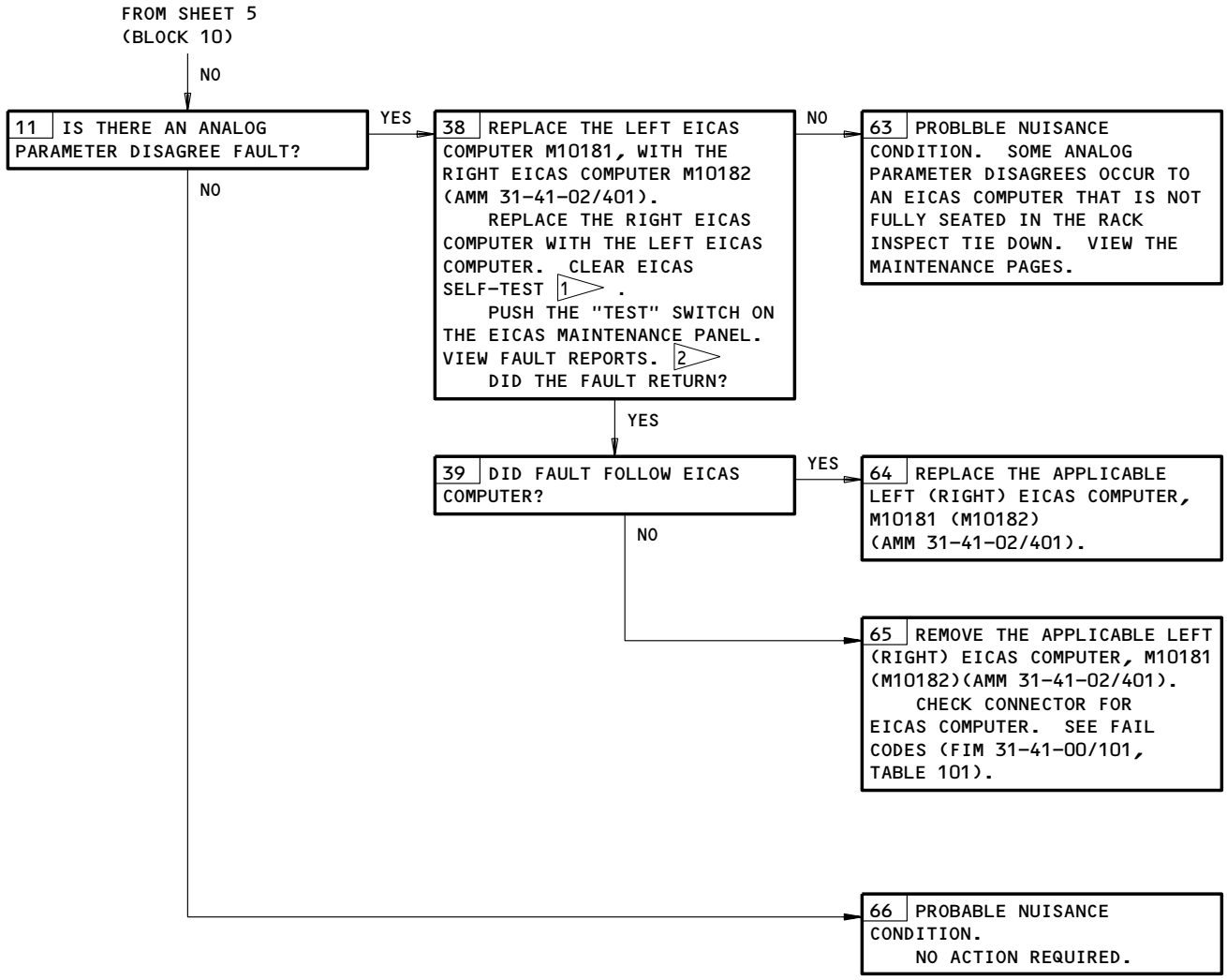
EICAS BITE Procedure
Figure 103 (Sheet 3)



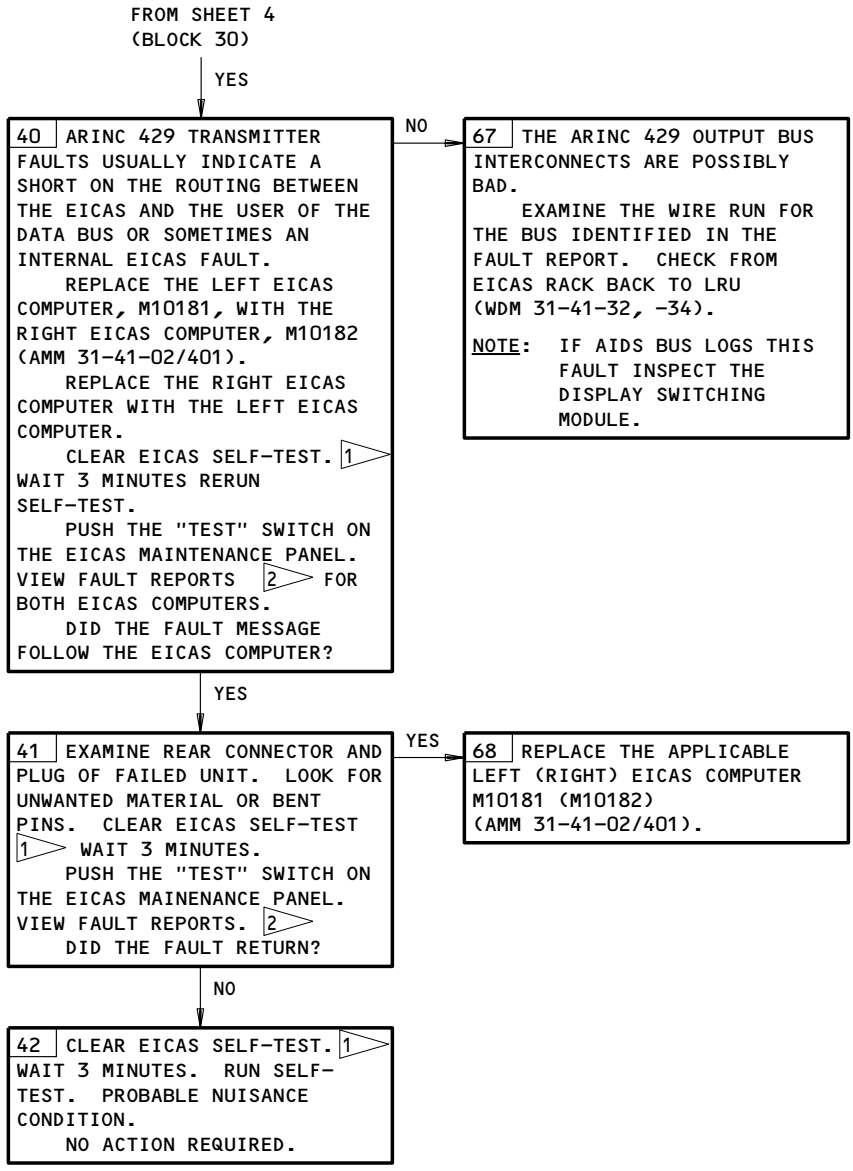
EICAS BITE Procedure
Figure 103 (Sheet 4)



EICAS BITE Procedure
Figure 103 (Sheet 5)



EICAS BITE Procedure
Figure 103 (Sheet 6)



EICAS BITE Procedure
Figure 103 (Sheet 7)

"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)

1 ENGAGE THE PARKING BRAKE. OPEN THE EICAS CMPTR R CIRCUIT BREAKER 11J29.
SET THE COMPUTER SELECT SWITCH ON THE DISPLAY SELECT PANEL TO THE "L" POSITION.
PUSH THE "TEST" SWITCH ON EICAS MAINTENANCE PANEL.
DO ALL OF THESE CONDITIONS OCCUR?

1. THE CAPT AND F/O MASTER CAUTION LIGHTS COME ON
2. THE "TEST OK" MESSAGE SHOWS AFTER 5 SECONDS ON THE EICAS DISPLAY
3. THE MASTER CAUTION LIGHTS GO OFF WHEN THEY ARE PUSHED?

NO → 31 REPLACE THE LEFT EICAS COMPUTER, M10181 (AMM 31-41-02/401).
CLOSE THE EICAS CMPTR R CIRCUIT BREAKER 11J29. ▷1

YES ↓

2 PUSH THE EICAS "TEST" SWITCH TO PUT THE EICAS DISPLAY TO THE USUAL CONDITION. CLOSE THE EICAS CMPTR R CIRCUIT BREAKER 11J29.
OPEN THE EICAS CMPTR L CIRCUIT BREAKER 11J2. SET THE COMPUTER SELECT SWITCH TO THE "R" POSITION. PUSH THE "TEST" SWITCH ON THE EICAS MAINTENANCE PANEL.
DO ALL OF THESE CONDITIONS OCCUR?

1. THE CAPT AND F/O MASTER CAUTION LIGHTS COME ON
2. THE "TEST OK" MESSAGE SHOWS AFTER 5 SECONDS ON THE EICAS DISPLAY
3. THE MASTER CAUTION LIGHTS GO OFF WHEN THEY ARE PUSHED?

NO → 32 REPLACE THE RIGHT EICAS COMPUTER, M10182 (AMM 31-41-02/401).
CLOSE THE EICAS CMPTR L CIRCUIT BREAKER 11J2. ▷1

YES ↓

SEE SHEET 2
(BLOCK 3)

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

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" 1.
THE EICAS SYSTEM IS OK.

1 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.

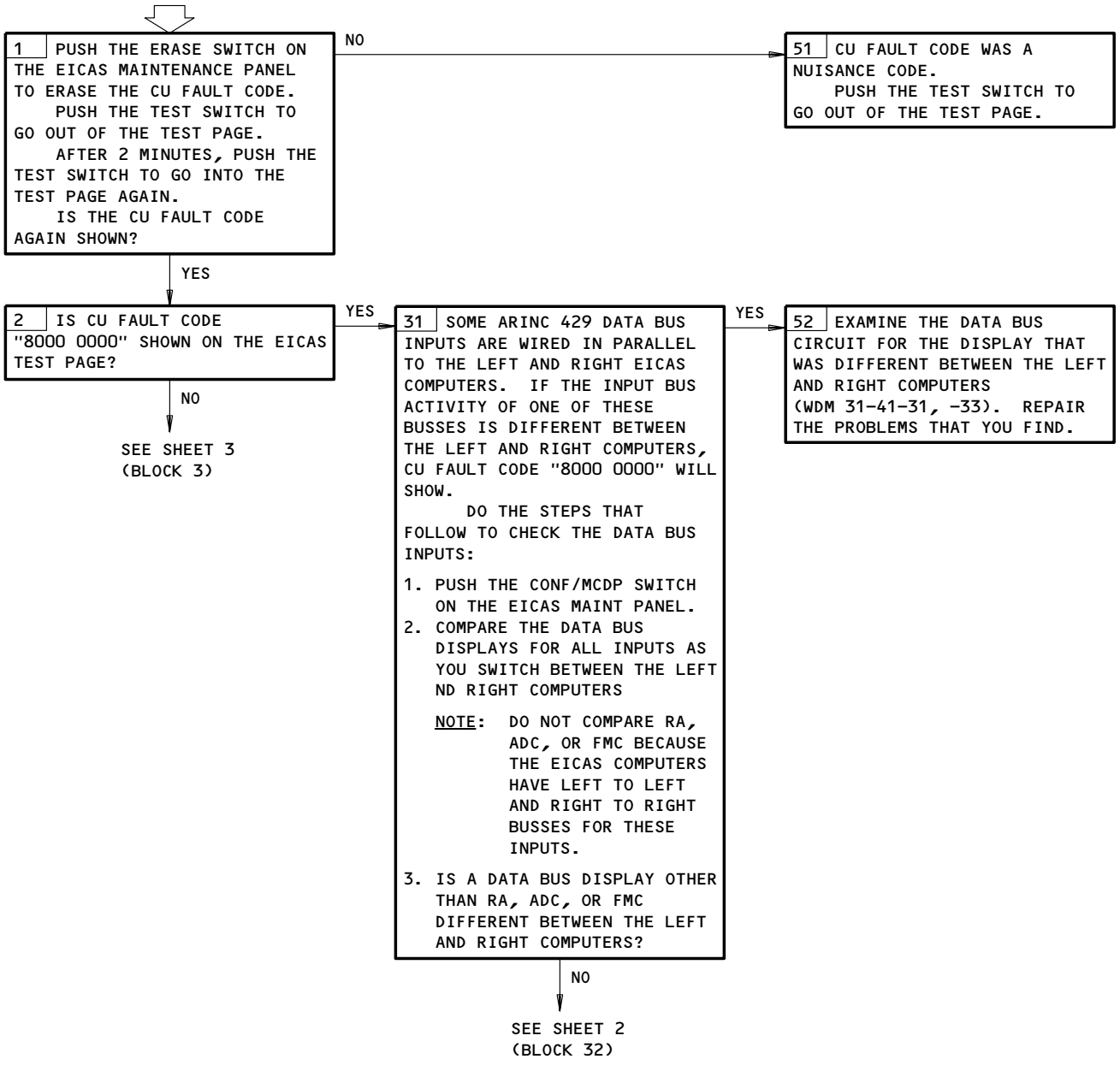
DISCRETE DISAGREE Code "0999" Shows on EICAS
Figure 103A (Sheet 2)

"CU MONITOR" OR "CU TEST" FAULT CODES SHOW ON EICAS

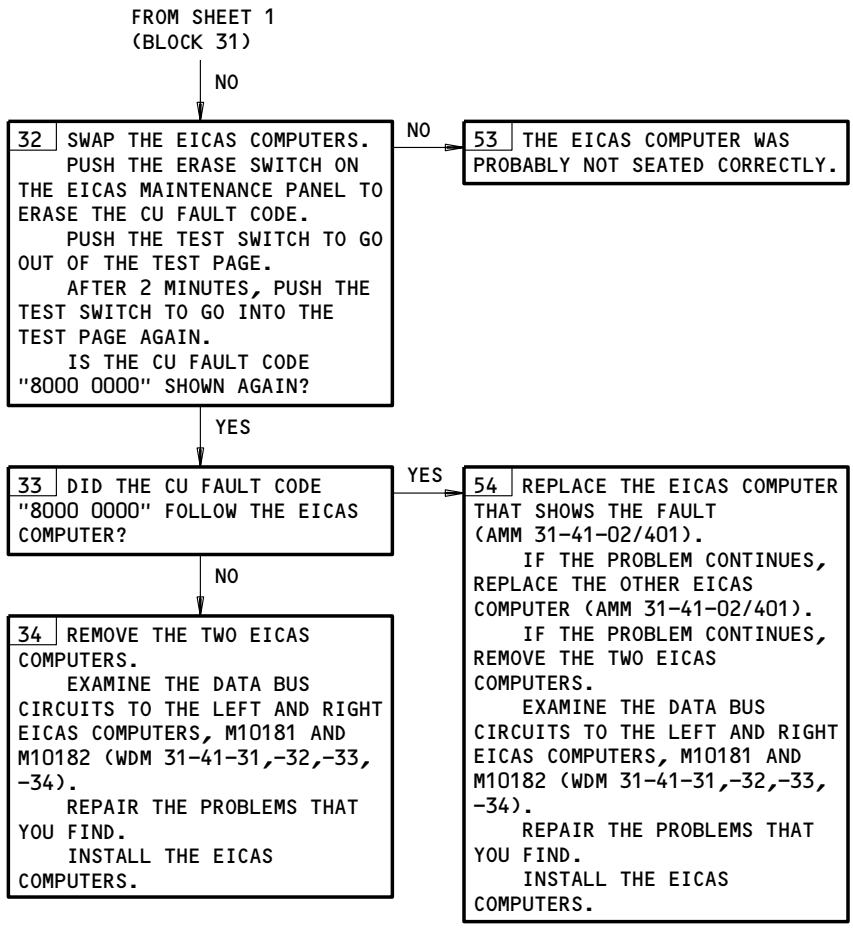
PREREQUISITES

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

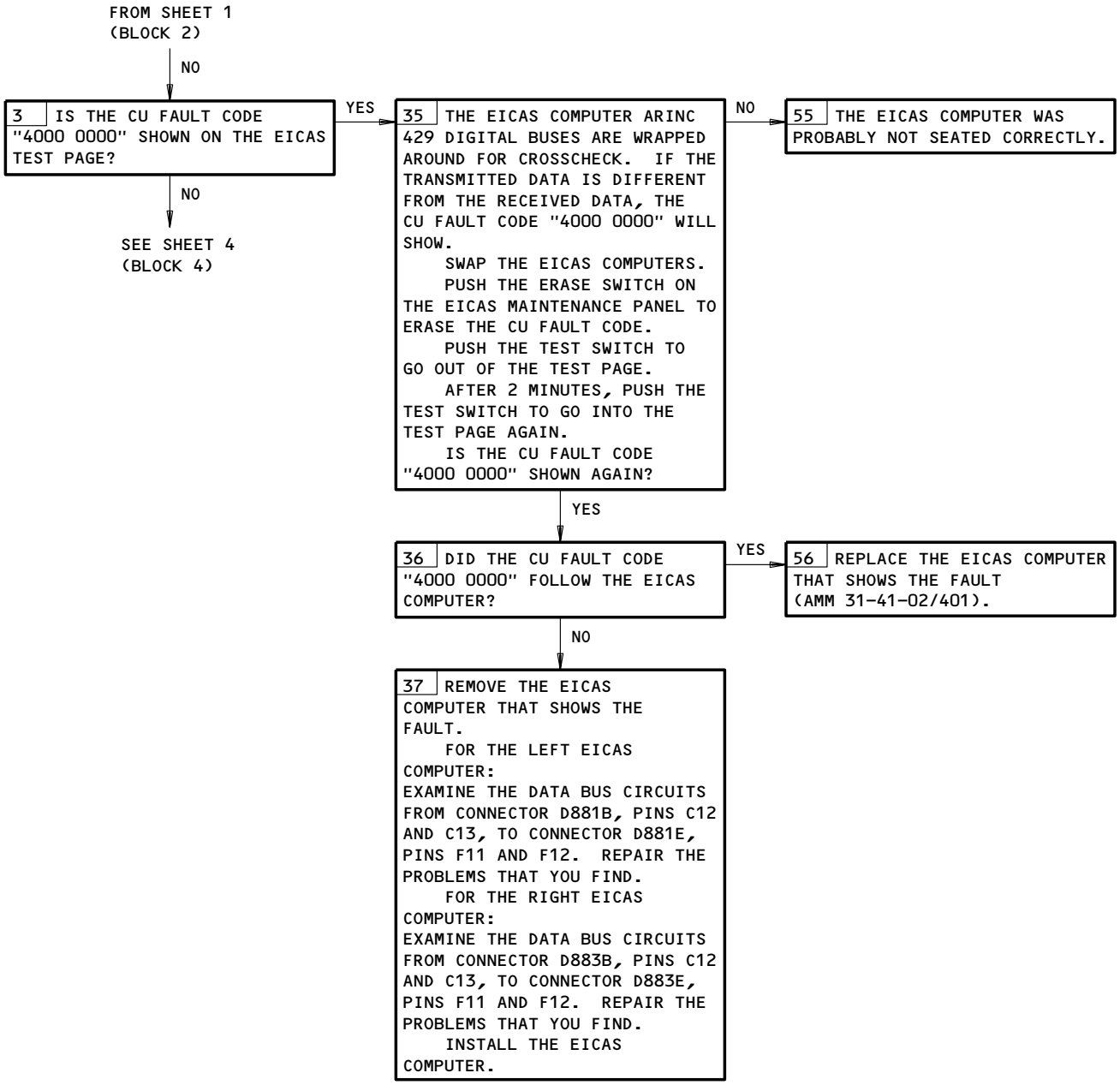
MAKE SURE THE AIRPLANE IS IN THIS CONFIGURATION:
ELECTRICAL POWER IS ON (AMM 24-22-00/201)



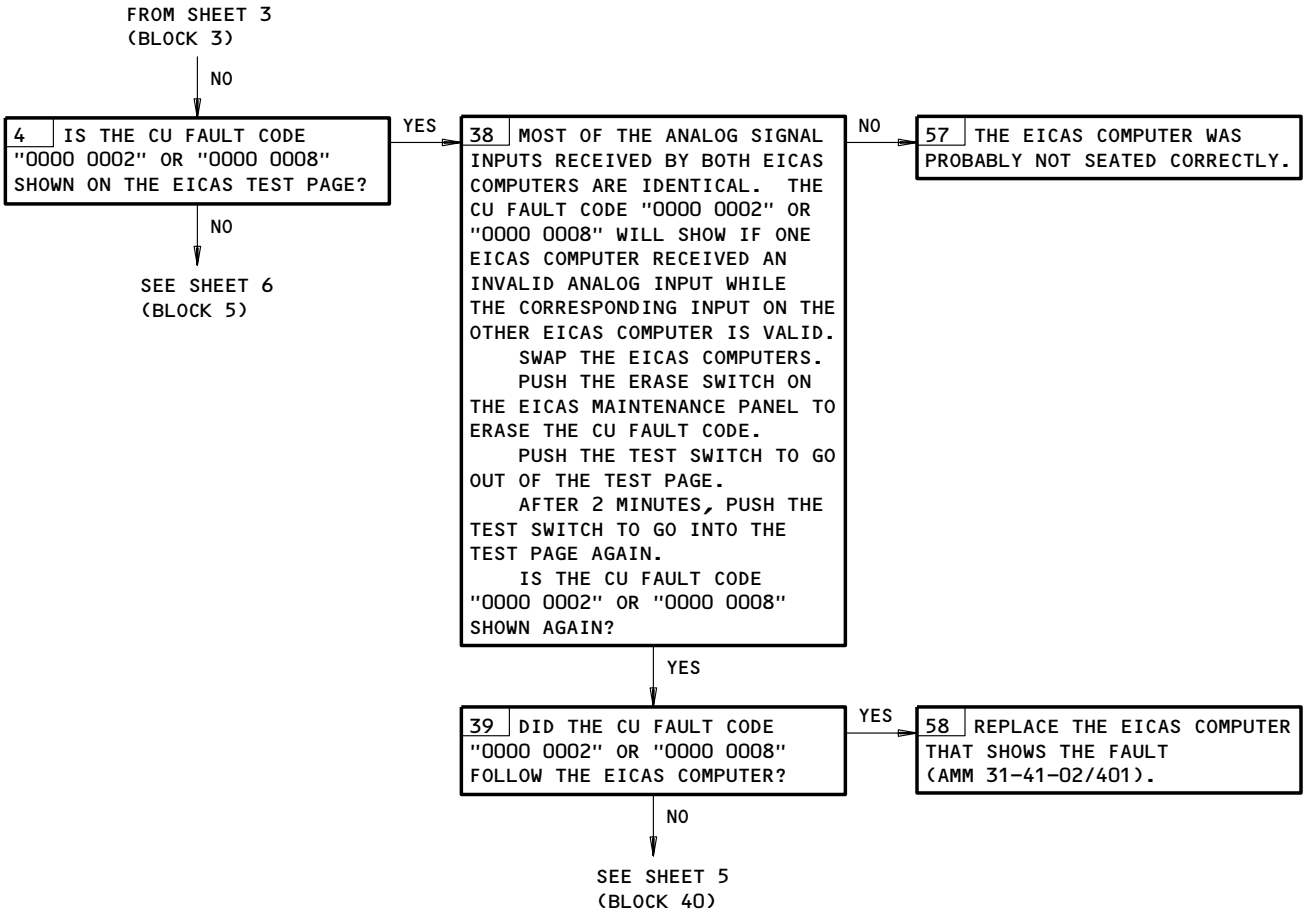
CU MONITOR or CU TEST Fault Codes Show on EICAS
Figure 103B (Sheet 1)



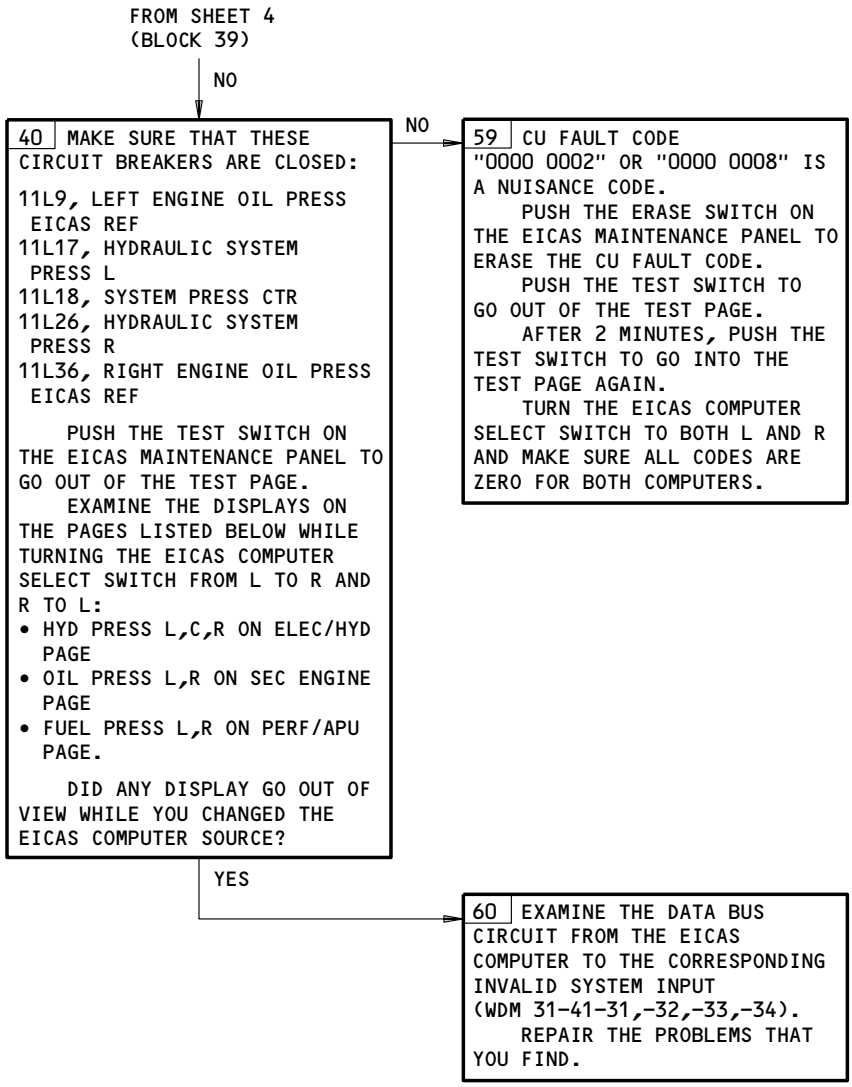
CU MONITOR or CU TEST Fault Codes Show on EICAS
Figure 103B (Sheet 2)



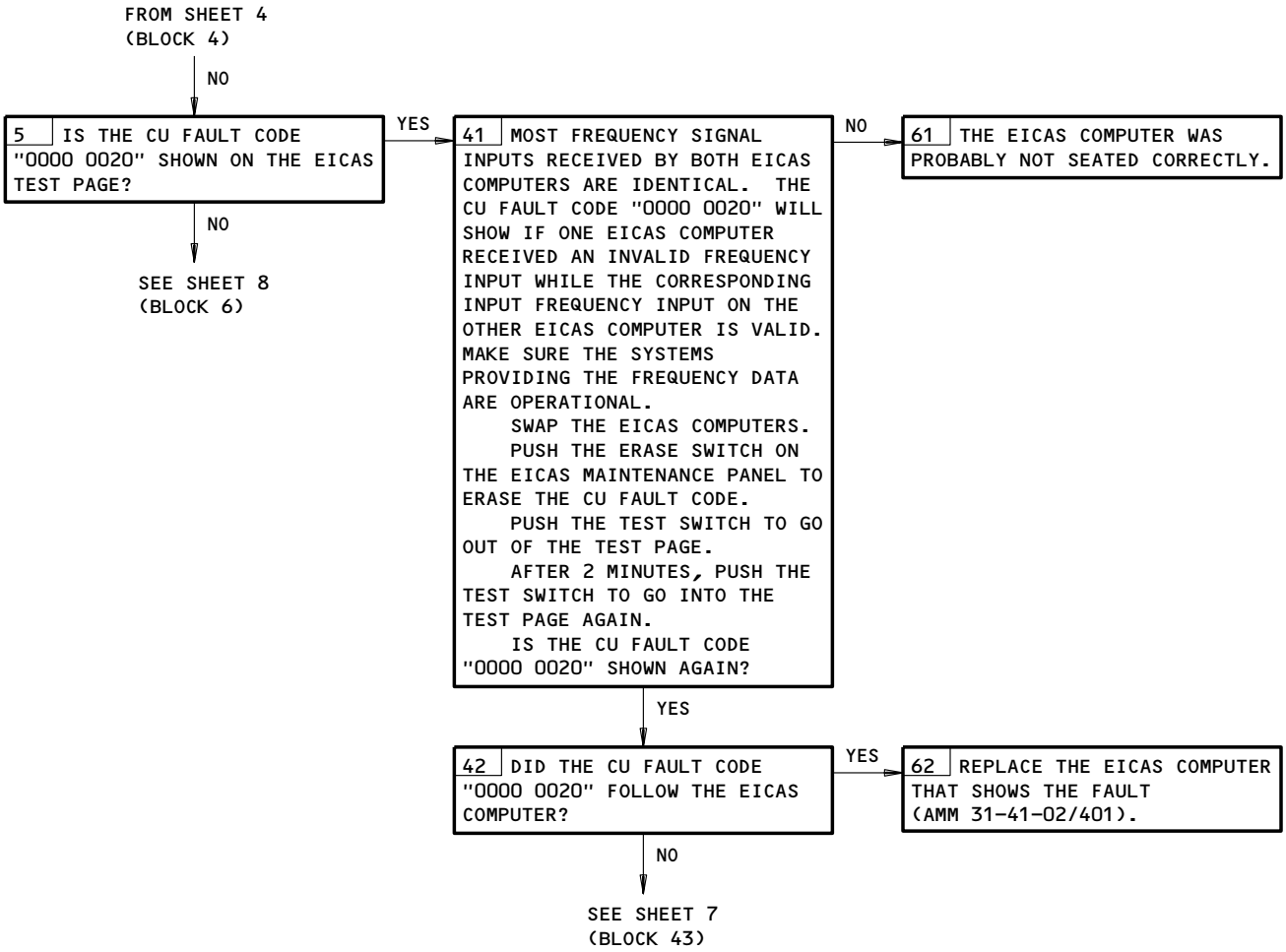
CU MONITOR or CU TEST Fault Codes Show on EICAS
Figure 103B (Sheet 3)



CU MONITOR or CU TEST Fault Codes Show on EICAS
Figure 103B (Sheet 4)



CU MONITOR or CU TEST Fault Codes Show on EICAS
Figure 103B (Sheet 5)



CU MONITOR or CU TEST Fault Codes Show on EICAS
Figure 103B (Sheet 6)

FROM SHEET 6
(BLOCK 42)

NO

43 MAKE SURE THAT THESE CIRCUIT BREAKERS ARE CLOSED ON THE P34 PANEL:

M8, APU GEN VOLTMETER
M9, EXT PWR VOLTMETER

MAKE SURE THE L GEN VM CIRCUIT BREAKER IS CLOSED ON THE P31 PANEL.

MAKE SURE THE R GEN VM CIRCUIT BREAKER IS CLOSED ON THE P32 PANEL.

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

EXAMINE THE DISPLAY ON THE ELEC/HYD PAGE WHILE TURNING THE EICAS COMPUTER SELECT SWITCH FROM L TO R AND R TO L:

- FREQ L,R,APU BAT, GND PWD ON ELEC/HYD.

DID ANY FREQUENCY PARAMETER SHOW BLANK WHILE YOU CHANGED THE EICAS COMPUTER SOURCE?

NO → 63 CU FAULT CODE "0000 0020" IS A NUISANCE CODE.

PUSH THE ERASE SWITCH ON THE EICAS MAINTENANCE PANEL TO ERASE THE CU FAULT CODE.

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

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

TURN THE EICAS COMPUTER SELECT SWITCH TO BOTH L AND R AND MAKE SURE ALL CODES ARE ZERO FOR BOTH COMPUTERS.

IF THE CU FAULT CODE "0000 0020" IS SHOWN AGAIN, GO TO BLOCK 64.

YES → 64 REMOVE THE EICAS COMPUTER THAT SHOWS BLANK FREQUENCY PARAMETER.

EXAMINE THE CORRESPONDING INVALID FREQUENCY INPUTS TO THE LEFT (RIGHT) EICAS COMPUTER, CONNECTOR D881E (D883E):

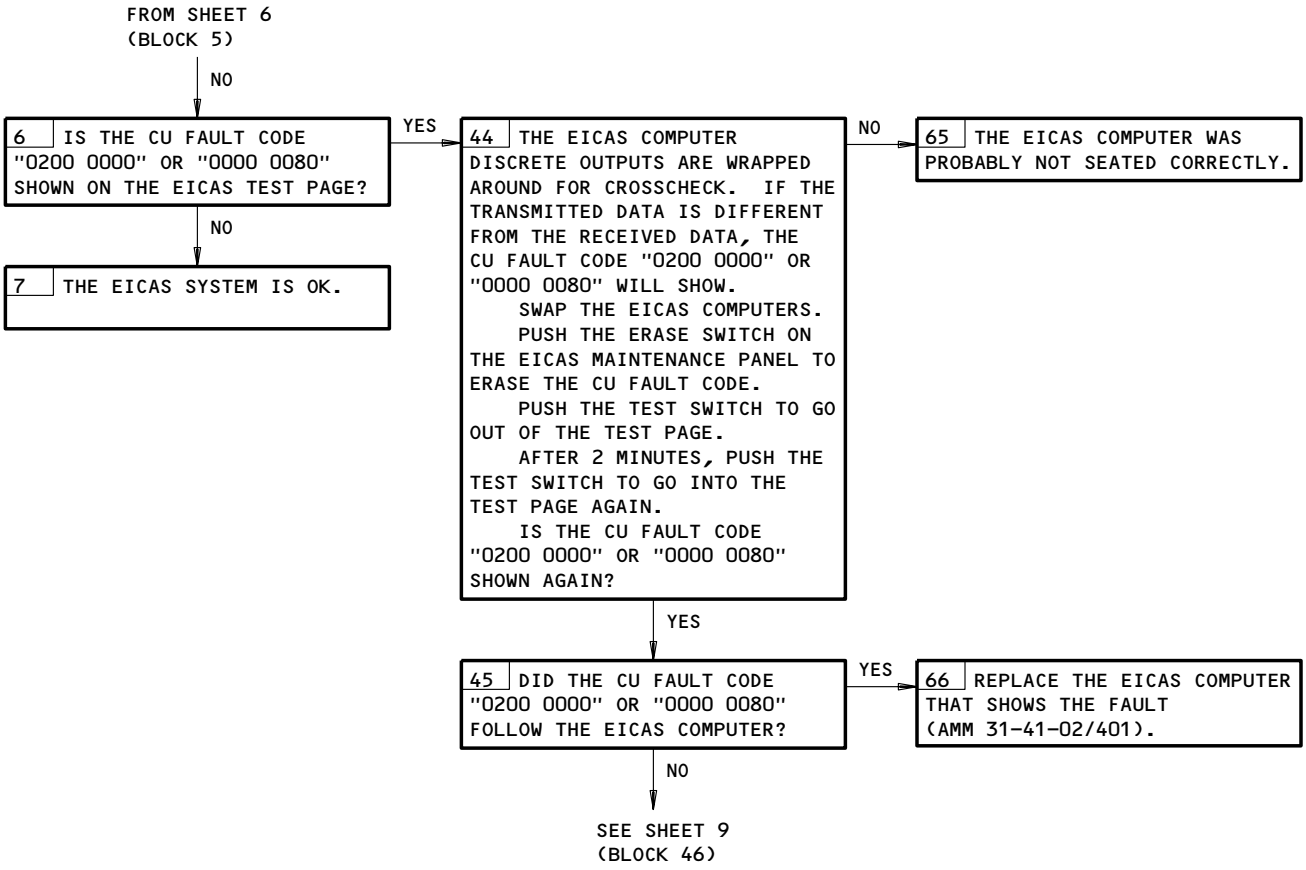
- L AC BUS – PIN G9
- R AC BUS – PIN G10
- APU/BAT BUS – PIN G8
- GND PWD BUS – PIN G12

(WDM 24-28-11).

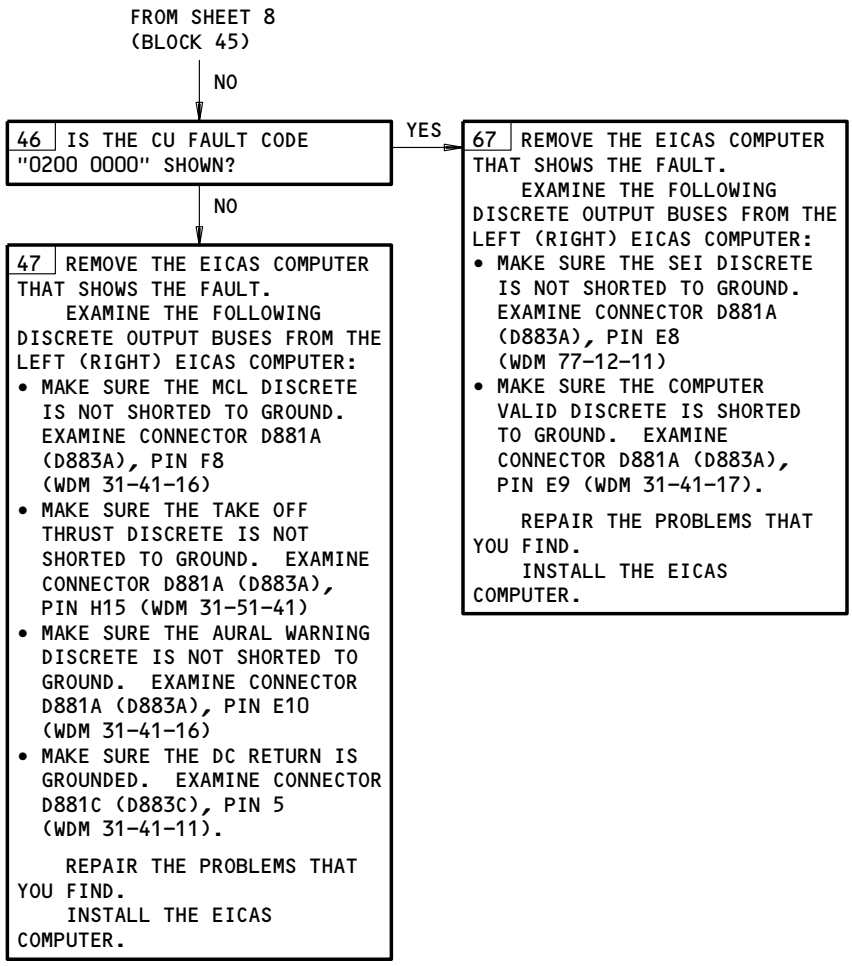
REPAIR THE PROBLEMS THAT YOU FIND.

INSTALL THE EICAS COMPUTER.

CU MONITOR or CU TEST Fault Codes Show on EICAS
Figure 103B (Sheet 7)



CU MONITOR or CU TEST Fault Codes Show on EICAS
Figure 103B (Sheet 8)



CU MONITOR or CU TEST Fault Codes Show on EICAS
Figure 103B (Sheet 9)

DISPLAY PROBLEMS – ALT CMPTR CORRECTS PROBLEMS

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)

1 SET THE COMPUTER SELECT SWITCH ON THE DISPLAY SELECT PANEL TO THE L POSITION.
ARE THERE DISPLAY PROBLEMS ON THE TWO DISPLAY UNITS?

YES → 20 REPLACE THE LEFT EICAS COMPUTER, M10181 (AMM 31-41-02/401).

NO

2 ARE THERE DISPLAY PROBLEMS ON THE TOP DISPLAY UNIT?

YES → 21 REPLACE THE TOP DISPLAY SWITCHING MODULE, M10417 (AMM 31-41-04/401).
IF THE PROBLEM CONTINUES, REPLACE THE LEFT EICAS COMPUTER, M10181 (AMM 31-41-02/401).
IF THE PROBLEM CONTINUES, REMOVE THE LEFT EICAS COMPUTER AND THE TOP DISPLAY SWITCHING MODULE.
EXAMINE THE VIDEO LINES FROM THE LEFT EICAS COMPUTER CONNECTORS D881A AND D881B, TO THE TOP EICAS DISPLAY SWITCHING MODULE CONNECTOR, D875 (WDM 31-41-21, -22). REPAIR THE PROBLEMS THAT YOU FIND.

NO

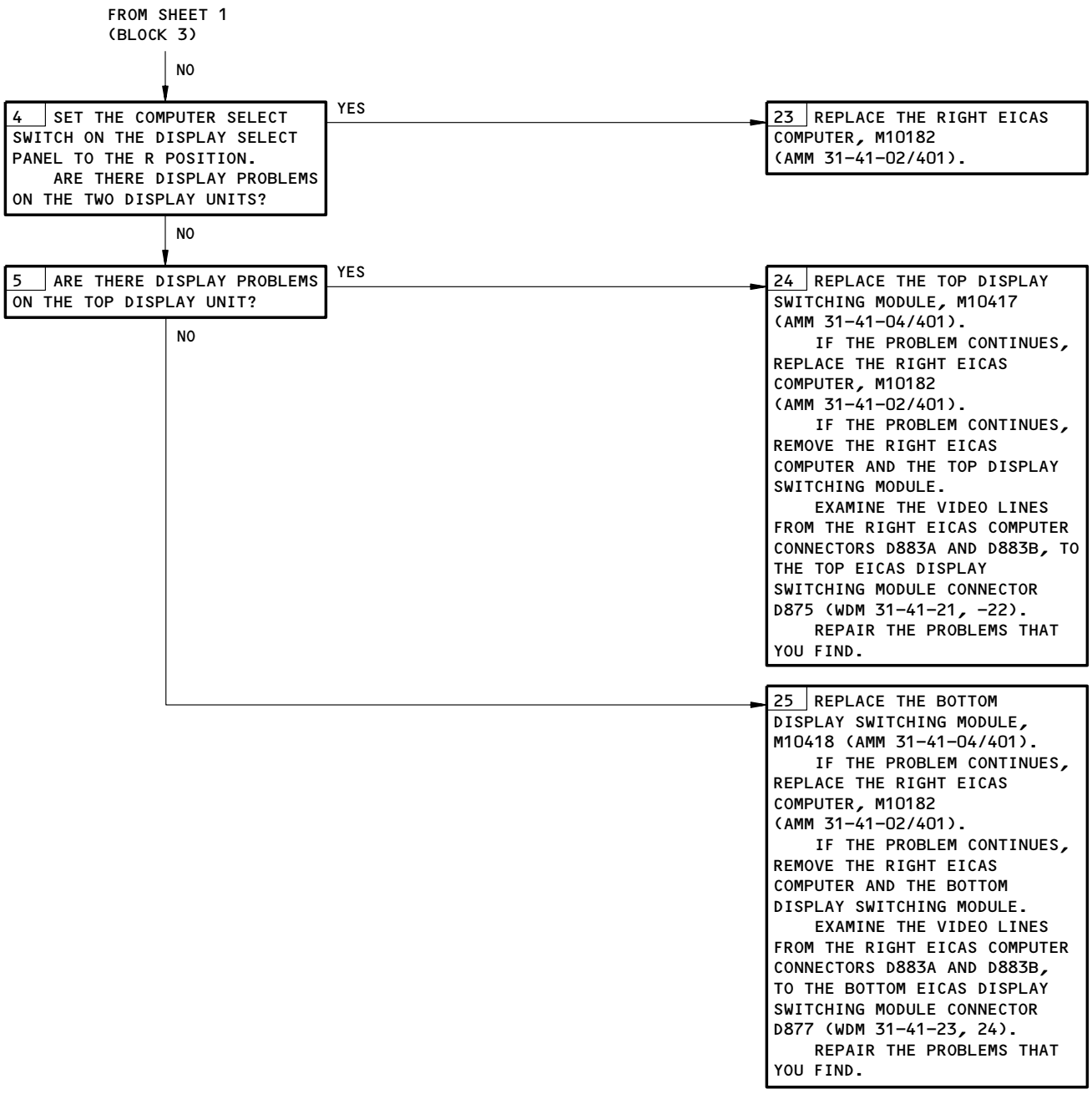
3 ARE THERE DISPLAY PROBLEMS ON THE BOTTOM DISPLAY UNIT?

YES → 22 REPLACE THE BOTTOM DISPLAY SWITCHING MODULE, M10418 (AMM 31-41-04/401).
IF THE PROBLEM CONTINUES, REPLACE THE LEFT EICAS COMPUTER, M10181 (AMM 31-41-02/401).
IF THE PROBLEM CONTINUES, REMOVE THE LEFT EICAS COMPUTER AND THE BOTTOM DISPLAY SWITCHING MODULE.
EXAMINE THE VIDEO LINES FROM THE LEFT EICAS COMPUTER CONNECTORS D881A AND D881B, TO THE BOTTOM EICAS DISPLAY SWITCHING MODULE CONNECTOR, D877 (WDM 31-41-23, -24). REPAIR THE PROBLEMS THAT YOU FIND.

NO

SEE SHEET 2
(BLOCK 4)

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



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

DISPLAY PROBLEMS – ALT CMPTR DOES NOT CORRECT FAULT

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)

1 REMOVE THE TOP (BOTTOM) DISPLAY UNIT, N10013 (N10014) (AMM 31-41-01/401). EXAMINE THE AIR INLET SCREEN AT THE REAR OF THE UNIT.
IS THERE BLOCKAGE OF THE INLET SCREEN?

YES

21 CLEAN THE INLET SCREEN. INSTALL THE TOP (BOTTOM) EICAS DISPLAY UNIT, N10013 (N10014) (AMM 31-41-01/401). 1
IF THE PROBLEM CONTINUES, DO THE BLOCK 22 PROCEDURE.

NO

22 REPLACE THE TOP (BOTTOM) EICAS DISPLAY UNIT, N10013 (N10014)(AMM 31-41-01/401).
IF THE PROBLEM CONTINUES, REPLACE THE TOP (BOTTOM) EICAS DISPLAY SWITCHING MODULE, M10417 (M10418) (AMM 31-41-04/401).
IF THE PROBLEM CONTINUES, REMOVE THE TOP (BOTTOM) EICAS DISPLAY UNIT.
REMOVE THE TOP (BOTTOM) EICAS DISPLAY SWITCHING MODULE.
EXAMINE THE CIRCUIT FROM THE TOP (BOTTOM) EICAS DISPLAY UNIT, CONNECTOR D205 (D207), TO THE TOP (BOTTOM) EICAS DISPLAY SWITCHING MODULE CONNECTOR D875 (D877) (WDM 31-41-21, -22, -23, -24). REPAIR THE PROBLEMS THAT YOU FIND.

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

Display Problems – Alt Cmptr Does Not Correct Problems
Figure 105

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).
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).
EXAMINE THE 429 DATA BUS FROM THE DISPLAY SELECT PANEL, CONNECTOR D331, PINS 17 AND 18, TO THE LEFT EICAS COMPUTER, CONNECTOR D881E, PINS F7 AND F8 (WDM 31-41-12). REPAIR THE PROBLEMS THAT YOU FIND.
INSTALL THE EICAS DISPLAY SELECT PANEL. INSTALL THE EICAS COMPUTER.
IF THE PROBLEM CONTINUES, REMOVE THE EICAS DISPLAY SELECT PANEL. REMOVE THE RIGHT EICAS COMPUTER, M10182.
EXAMINE THE 429 DATA BUS FROM THE DISPLAY SELECT PANEL, CONNECTOR D331, PINS 19 AND 20, TO THE RIGHT EICAS COMPUTER, CONNECTOR D883E, PINS F7 AND F8 (WDM 31-41-12). REPAIR THE PROBLEMS THAT YOU FIND.
INSTALL THE EICAS DISPLAY SELECT PANEL. INSTALL THE EICAS COMPUTER.

Alert Msg EICAS CONT PNL Is Displayed
Figure 106

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)

1 TURN THE BRIGHTNESS CONTROL ON THE DISPLAY SELECT PANEL.
IS THE MANUAL BRIGHTNESS CONTROL BAD ON THE TWO UNITS?

YES → 20 REPLACE THE EICAS DISPLAY SELECT PANEL, M10195 (AMM 31-41-03/401).

NO

2 IS THE MANUAL BRIGHTNESS CONTROL BAD ON THE TOP DISPLAY UNIT?

YES → 21 REPLACE THE TOP EICAS DISPLAY UNIT, N10013 (AMM 31-41-01/401).
IF THE PROBLEM CONTINUES, REPLACE THE EICAS DISPLAY SELECT PANEL, M10195 (AMM 31-41-03/401).

NO → 22 REPLACE THE BOTTOM EICAS DISPLAY UNIT, N10014 (AMM 31-41-01/401).
IF THE PROBLEM CONTINUES, REPLACE THE EICAS DISPLAY SELECT PANEL, M10195 (AMM 31-41-03/401).

Manual Brightness Control Is Faulty
Figure 107

Not Used
Figure 108

1. General

CAUTION: DO THE CORRECTIVE ACTION FROM THE APPLICABLE FAULT ISOLATION PROCEDURE BEFORE YOU DO THE MAINTENANCE MESSAGE ERASE PROCEDURE. 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 troubleshooting. 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.

The ERASE switch has two functions as follows:
1. It erases all the data on the maintenance AUTO EVENT page.
2. If you erase an ECS AUTO EVENT page, the ERASE switch will also erase the NVM maintenance message.

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.

Maintenance Message Erase Procedure
Figure 109 (Sheet 1)

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 (Sheet 2)

1. EICAS Fail Codes (Table 101)
   A. An EICAS fail code is displayed on the BITE test format when an analog input received by both EICAS computers is cross compared using the crosstalk buses. The fail code is shown on the EICAS Fault Report Page (AMM 31-41-00/201).
   B. The CODE column lists the actual fail code as shown on the EICAS Fault Report Page (AMM 31-41-00/201).
   C. The DESCRIPTION column lists the system analog input or MASTER CAUTION output that is in disagreement.
   D. The PIN # column lists the connector/pin number on the EICAS computer(s). The left computer input is connector D881X(pin)XX. The right computer input is connector D883X(pin)XX.
   E. The SCHEMATIC column lists the reference schematic where the source of the analog input can be found.
   F. The EFFECTIVITY column lists the airplanes whose EICAS computers can show the related disagree code.
   G. An NC in the SCHEMATIC manual reference column shows that the pin for that disagree CODE is not connected. The analog input or message discrete is related to an option which was not a selection. The system schematic manual will not show the open pin.

EICAS FAIL CODES (TABLE 101)

CODE	DESCRIPTION	PIN (D88X)	SCHEMATIC	EFFECTIVITY
1	AIL INNER-L	EH2	27-10-01	ALL
2	AIL INNER-R	EH3	27-10-01	ALL
3	AIL OUTER-L	EH4	27-10-01	ALL
4	AIL OUTER-R	EH5	27-10-01	ALL
5	APU BAT CURRENT	FB1/FB2	24-34-01	ALL
6	APU BATT VOLTS	FA3	24-34-01	ALL
7	APU BUS AC VOLT	EG8	24-28-01	ALL
8	APU BUS AC FREQ	EG8	24-28-01	ALL
9	APU EGT	FA5	49-00-03	ALL
10	APU LOAD	EE11	24-28-01	ALL
11	APU OIL LEVEL	FF10	49-00-02	ALL
12	APU RPM	FA6	49-00-03	ALL
13	BRAKE 1 TEMP	AF10	32-46-01	ALL
14	BRAKE 2 TEMP	AE2	32-46-01	ALL
15	BRAKE 3 TEMP	BE3	32-46-01	ALL
16	BRAKE 4 TEMP	BE2	32-46-01	ALL
17	BRAKE 5 TEMP	DD6	32-46-01	ALL
18	BRAKE 6 TEMP	DD7	32-46-01	ALL
19	BRAKE 7 TEMP	DD15	32-46-01	ALL
20	BRAKE 8 TEMP	EH1	32-46-01	ALL
21	BUS AC VOLTS-L	EG9	24-28-01	ALL
22	BUS AC VOLTS-R	EG10	24-28-01	ALL

EICAS FAIL CODES (TABLE 101)

CODE	DESCRIPTION	PIN (D88X)	SCHEMATIC	EFFECTIVITY
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/EE6	35-11-01	ALL
26	STANDBY BUS OFF	DB4	24-33-01	ALL
27	R FWD EMERG DOOR	DC5	52-70-01	767-300 AIRPLANES
		DC5	NC	767-200 AIRPLANES
28	APU OIL QTY	EG1	31-41-01	ALL
29	L FWD WINDOW HEAT	EC6	30-41-01	ALL
30	MID CABIN AIR OVHT	DB13	21-60-05	ALL
31	LOW FUEL QTY	ED13	28-40-01	ALL
32	L ENG RLY	FJ10	73-21-05	ALL
33	GPWC MONITOR	BJ1	34-46-01	ALL
34	C HYD PUMP 2 OH	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			ALL
38	NOT USED			ALL

EICAS FAIL CODES (TABLE 101)

CODE	DESCRIPTION	PIN (D88X)	SCHEMATIC	EFFECTIVITY
39	HYD PRESS STATUS	EK1	31-41-01	ALL
40	L T/R IN TRANSIT	BF3	78-36-01	ALL
41	R ENGINE	BF2	31-41-01	ALL
42	APU BTL DISCH	DC9	26-22-01	ALL SAS AIRPLANES
		DC9	NC	ALL MTH AIRPLANES
43	GEAR DISAGRE SYS 1	DB7	32-61-01	ALL
44	L AC BUS TIE ISOL	DC6	24-20-01	ALL
45	L MAIN PITOT HT	EC3	30-30-01	ALL
46	NOT USED			ALL
47	HYD BRAKE SOURCE	EH12	32-41-01	ALL
48	ECS IN US UNITS	BC6	31-41-01	ALL
49	AFT CARGO HEATER	ED12	21-44-01	ALL
50	L ENG FUEL FILTER	AJ11	73-34-01	ALL
51	NOT USED			ALL
52	R YAW DAMPER	AD7	22-21-02	ALL
53	PARITY (ODD)	EJ1	31-41-01	ALL
54	R HYD WING VALVE	EJ2	27-00-01	ALL
55	NOT USED			ALL
56	HYD MOT GEN	BK9	31-41-01	ALL
57	L ENGINE FIRE	BE4	26-11-01	ALL
58	FWD EQUIP SUP FAN 2	AD9	21-58-04	ALL
59	L GEN GCB OPEN	DB1	24-20-01	ALL

EICAS FAIL CODES (TABLE 101)

CODE	DESCRIPTION	PIN (D88X)	SCHEMATIC	EFFECTIVITY
60	C HYD SYS LO PRESS	DJ10	29-00-04	ALL
61	CAPT INST BUS XFER	BJ14	24-51-04	ALL
62	DC BUS TIE	EJ14	24-32-01	ALL
63	C HYD GEN VALVE	EB13	24-25-01	ALL
64	RSV BRAKE VALVE	FK10	29-00-04	ALL
65	ANTI-SKID	FH10	32-42-04	ALL
66	AUTO SPEEDBRAKE	AG9	27-62-01	ALL
67	R STRUT DCT LK LP 1	AJ15	NC	ALL
68	L IRS DC FAIL	AG8	34-21-01	ALL
69	R ECS PACK BITE	DF11	21-50-04	ALL
70	R ENG TAI ON	DJ13	NC	ALL
71	R BLEED ISOL VALVE	BG7	36-11-02	ALL
72	R T/R IN TRANSIT	DF12	78-36-01	ALL
73	AFT CARGO DET 2	EG2	26-16-01	ALL
74	AFT EQPT EXH FAN 2	AK14	21-26-02	ALL
75	DFDAU STATUS	AJ14	31-31-01	ALL
76	R AC BUS OFF	DB2	24-20-02	ALL
77	RUDD RATIO MODULE	EK9	27-09-05	ALL
78	ANTISKID/AUTOBRAKE	DB12	32-42-04	ALL
79	ATC FAULT	EA13	34-53-01	ALL
80	FWD CARGO OVHT	BK4	21-43-01	ALL
81	L ENG PIMU	DB11	73-31-01	ALL

EICAS FAIL CODES (TABLE 101)

CODE	DESCRIPTION	PIN (D88X)	SCHEMATIC	EFFECTIVITY
82	SPOILER MODULE	AH14	27-09-05	ALL
83	N GEAR LOCK SYS 2	AD10	32-61-01	ALL
84	FWD EQPT SPLY FLOW	DA3	21-58-01	ALL
85	L ENG T/R SRC VAL	BK11	NC	ALL
86	NOT USED			ALL
87	C-L FUEL PUMP PR	BE7	28-40-01	ALL
88	L DUCT LK LP 2	BG4	NC	ALL
89	L DRAG BRACE SYS 1	BF1	32-61-01	ALL
90	SPOILER SYSTEM	DC11	27-61-03	ALL
91	FLT DECK AIR OVHT	DA14	21-60-02	ALL
92	CARGO A/C CONT	AE6	21-28-01	ALL
93	MASTER CAUT/WARN	BJ15	31-41-06	ALL
94	L HYD ENG PUMP OH	FG4	29-00-02	ALL
95	L ENG TAI PRESS	FG5	30-21-01	ALL
96	L IDG FILTER	FG1	NUISANCE	AIRPLANES WITH SB 24-80
97	R AUX PITOT HEAT	DB9	30-30-01	ALL
98	R STRUT DUCT LEAK	DH5	26-18-01	ALL

EICAS FAIL CODES (TABLE 101)

CODE	DESCRIPTION	PIN (D88X)	SCHEMATIC	EFFECTIVITY
99	R ENGINE FIRE	DG3	26-11-01	ALL
100	C-L FUEL PUMP LT	DH6	28-40-01	ALL
101	L T/R DEPLOYED	BG3	78-36-01	ALL
102	FUEL PRESS	FJ5	31-41-01	ALL
103	L REV ISOL VALVE	BH7	78-36-01	ALL
104	AFT FUEL X-FEED	FD6	NC	AIRPLANES WITH A SINGLE
				FUEL X-FEED SYSTEM
		FD6	28-40-01	AIRPLANES WITH A DUAL
				FUEL X-FEED SYSTEM
105	APU FAULT	FB6	49-00-04	ALL
106	PACK HI-FLOW	AE13	NC	ALL
107	L SPAR FUEL VALVE	ED5	28-40-01	ALL
108	T/O CONFIG FLAPS	DA15	31-51-03	ALL
109	L WING SLIDE DOOR	BA12	52-70-01	ALL
110	TCAS FAIL	FK3	NC	ALL
111	OVERSPEED-R ADC	BC15	34-12-01	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
115	R DUCT LK LP 1	DG1	NC	ALL
116	NOT USED			ALL
117	R ENG PRV FAIL	BJ12	36-11-08	ALL

EICAS FAIL CODES (TABLE 101)

CODE	DESCRIPTION	PIN (D88X)	SCHEMATIC	EFFECTIVITY
118	SPARE DISC 2-02	BH13	NC	ALL
119	NOT USED	BK12	NC	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	MAIN CARGO DOOR	DC15	NC	ALL
124	L ECS PACK OFF	AD8	21-50-01	ALL
125	GEAR DOORS SYS 1	BF14	32-61-01	ALL
126	AUTOTHROTTLE DISC	BD8	22-30-02	ALL
127	L SIDE BRACE SYS 2	BG9	32-61-01	ALL
128	FLT DECK DOOR	BB11	NC	ALL
129	R CTR ENTRY DOOR	BA5	NC	ALL
130	ECS TEMP	AK1	31-41-01	ALL
131	L ENG OIL FILTER	AH4	79-00-01	ALL
132	L DUCT LK LP 1	AG7	NC	ALL
133	HYD GENERATOR	FJ4	24-20-05	ALL
134	L FIRE EXT SWITCH	BJ11	76-11-01	ALL
135	FWD EQUIP SMOKE	FF5	21-58-02	ALL
136	OVERSPEED-L ADC	FE5	34-12-01	ALL
137	R STRUT DCT LK LP 2	FJ8	NC	ALL
138	L RECIRC FAN	AE7	21-25-01	ALL
139	NOT USED			ALL

EICAS FAIL CODES (TABLE 101)

CODE	DESCRIPTION	PIN (D88X)	SCHEMATIC	EFFECTIVITY
140	NOT USED			ALL
141	PASS OXYGEN ON	FF6	35-21-01	ALL
142	MAIN BAT DISCH	EC15	24-31-01	ALL
143	R WING TAI PRESS	FH1	30-11-01	ALL
144	L CTR ENTRY DOOR	BA11	NC	ALL
145	LARGE FWD CARGO DR	BC5	52-70-01	ALL
146	CARGO BTL 1 DISCH	DD1	26-23-01	ALL
147	R FIRE EXT SWITCH	DK6	76-11-01	ALL
148	AFT CARGO OVHT	DE1	21-44-01	ALL
149	SPARE DISC 2-01	BG6	NC	ALL
150	C IRS ON DC	FD5	34-21-03	ALL
151	SUP PROG PIN 2	FJ7	31-41-01	ALL
152	L STARTER CUTOUT	FD9	80-11-01	ALL
153	C-R FUEL PUMP LT	FJ9	28-40-01	ALL
154	C HYD SYS LO QTY	DB6	29-00-05	ALL
155	L AOA PROBE HEAT	DB5	30-30-01	ALL
156	NOT USED			ALL
157	NOSE COMPR SYS 2	BH1	32-09-02	ALL
158	C DUCT LK LP 2	DC10	NC	ALL
159	ANTI-SKID NORMAL	BF15	32-42-04	ALL
160	ELECT ACCESS DOOR	BA6	52-70-01	ALL
161	APU FIRE LOOP 2	FD4	26-15-01	ALL
162	SPARE DISC 2-03	DE12	NC	ALL

EICAS FAIL CODES (TABLE 101)

CODE	DESCRIPTION	PIN (D88X)	SCHEMATIC	EFFECTIVITY
163	FWD FUEL XFEED VLV	DG13	NC	ALL
164	AFT CARGO DET 1	DF1	26-16-01	ALL
165	APU BTL 2 DISCH	FF9	NC	ALL SAS AIRPLANES
		FF9	26-22-01	ALL MTH AIRPLANES
166	NOT USED			ALL
167	ALT CALLOUT	DH4	NC	ALL
168	R IRS DC FAIL	DE9	34-21-02	ALL
169	APU BAT CHGR (CAA)	FE2	NC	ALL
170	L AUX PITOT HI HEAT	EK5	30-31-01	ALL
171	NOT USED			ALL
172	R ENG BLEED OFF	EK6	36-11-06	ALL
173	C DUCT LK LP 1	BF12	NC	ALL
174	ICING ENGINE	ED6	30-81-01	SAS 150-154 WITH SB 30-17
				AND SAS 050-149, 155-274
		ED6	NC	SAS 150-154 WITHOUT
				SB 30-17 AND ALL MTH
				AIRPLANES

EICAS FAIL CODES (TABLE 101)

CODE	DESCRIPTION	PIN (D88X)	SCHEMATIC	EFFECTIVITY
175	FUEL QTY IND SYS	ED4	28-40-01	ALL
176	CERT AGENCY CAA	BB6	31-41-01	ALL
177	NOT USED			ALL
178	BRAKE TEMP	DK12	31-41-01	ALL
179	R ENG FUEL FILTER	DG12	73-34-01	ALL
180	R FUEL JET PUMP	DK4	28-31-01	SAS 050-149, 155-274, AND
				MTH 276-999
		DK4	NC	SAS 150-154, AND MTH 275
181	R HYD GENERATOR	FJ6	NC	ALL
182	L ENGINE	DE11	31-41-01	ALL
183	L ENGINE	DE10	31-41-01	ALL
184	R FUEL JET XFR VLV	DK5	28-31-01	SAS 050-149, 155-274, AND
				MTH 276-999
		DK5	NC	SAS 150-154, AND MTH 275
185	NOT USED			ALL
186	ZONETEMP CONT UNIT	DB8	21-60-01	ALL
187	APU GEN APB OPEN	DC7	24-20-03	ALL
188	NOT USED			ALL
189	L SIDE WINDOW HEAT	EC4	30-41-01	ALL
190	R ENG PIMU	EA8	73-31-01	ALL

EICAS FAIL CODES (TABLE 101)

CODE	DESCRIPTION	PIN (D88X)	SCHEMATIC	EFFECTIVITY
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	C HYD AIR PUMP PR	AK5	29-00-04	ALL
195	L HYD ENG PUMP PR	AK2	29-00-02	ALL
196	L FUEL JET PUMP	AH2	28-31-01	SAS 050-149, 155-274, AND
				MTH 276-999
		AH2	NC	SAS 150-154, AND MTH 275
197	NOT USED			ALL
198	FWD EQUIP VALVE	EG3	21-58-06	ALL
199	ANTI-SKID SWITCH	EJ5	NC	ALL
200	HI FLOW INHIBIT	BF8	21-50-01	ALL
201	R ENGINE	BF7	31-41-01	ALL
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	30-41-01	ALL
206	AFT CARGO DET FAN	EC11	26-16-01	ALL

EICAS FAIL CODES (TABLE 101)

CODE	DESCRIPTION	PIN (D88X)	SCHEMATIC	EFFECTIVITY
207	STAB TRIM MODULE	EJ11	27-09-05	ALL
208	METRIC UNITS	BC9	31-41-01	ALL
209	FWD CARGO HEATER	ED10	21-43-01	ALL
210	LDG GEAR LEVER UP	AK6	32-61-01	ALL
211	C HYD TAIL VALVE	AH1	27-00-01	ALL
212	L YAW DAMPER	DA6	22-21-01	ALL
213	ENG MANUF	EJ4	31-41-01	ALL
214	R NACEL VENT VAL	EJ3	75-23-01	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	24-11-02	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	32-46-01	ALL
224	C HYD AIR PUMP OH	FE10	29-00-05	ALL
225	NOT USED			ALL
226	PARKING BRAKE ON	AG3	32-41-01	ALL
227	L STRUT DCT LK LP 1	DA5	NC	ALL
228	L IRS ON DC	AG1	34-21-01	ALL
229	NOT USED			ALL

EICAS FAIL CODES (TABLE 101)

CODE	DESCRIPTION	PIN (D88X)	SCHEMATIC	EFFECTIVITY
230	NOT USED			ALL
231	L BLEED ISOL VALVE	BG11	36-11-01	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	21-26-02	ALL
235	T/O CONFIG-PARK BK	AG15	31-51-03	ALL
236	L AC BUS OFF	DB3	24-20-01	ALL
237	R AUX PITOT HI HT	EK8	30-31-01	ALL
238	R ENG TAI VALVE	EA5	30-21-01	ALL
239	R FMC FAIL	BK1	34-61-04	ALL
240	A/P WARN-2 NORM	EA9	22-10-04	ALL
241	R AOA PROBE HEAT	EA7	30-30-01	ALL
242	NOT USED			ALL
243	TE FLAP SHUTDOWN	DA8	27-51-04	ALL
244	FWD EQUIP EXH FLOW	DA4	NC	ALL
245	L HYD WING VALVE	BK13	27-00-01	ALL
246	NOT USED			ALL
247	L ENGINE OVHT	BE5	26-11-01	ALL

EICAS FAIL CODES (TABLE 101)

CODE	DESCRIPTION	PIN (D88X)	SCHEMATIC	EFFECTIVITY
248	FWD CARGO DET 2	BG5	26-16-01	ALL
249	FULL TIME FF	BF6	31-41-01	ALL
250	MAIN BATT SWITCH	AD4	24-33-01	ALL
251	L AFT EMERG DOOR	DA9	NC	767-200 AIRPLANES
		DA9	52-70-01	767-300 AIRPLANES
252	SINGLE ENG OIL TEMP SNSR	DD8	31-41-01	ALL
253	R SIDE WINDOW HEAT	AD2	30-41-01	ALL
254	ICING WING	ED7	30-81-01	SAS 150-154 WITH SB 30-17
				AND SAS 050-149, 155-274
		ED7	NC	SAS 150-154 WITHOUT
				SB 30-17 AND ALL MTH
				AIRPLANES
255	R AFT EMERG DOOR	AE1	NC	767-200 AIRPLANES
		AE1	52-70-01	767-300 AIRPLANES
256	R ENG RELAY	FB10	73-21-05	ALL
257	L FMC FAIL	EK14	34-61-02	ALL
258	R HYD ELEC PUMP OH	AK8	29-00-03	ALL
259	C HYD PUMP 1 PR	AJ11	29-00-04	ALL
260	NOT USED			ALL
261	NOT USED			ALL
262	R DUCT LK LP 2	EG7	NC	ALL
263	3 CREW INSTLN	EJ8	31-41-01	ALL
264	R ENGINE	BF11	31-41-01	ALL

EICAS FAIL CODES (TABLE 101)

CODE	DESCRIPTION	PIN (D88X)	SCHEMATIC	EFFECTIVITY
265	R ENGINE	BF10	31-41-01	ALL
266	NO EQUIP COOLING	DE15	21-58-02	ALL
267	C BLEED DUCT LEAK	DC2	26-18-01	ALL
268	R AC BUS TIE ISOL	DC1	24-20-02	ALL
269	L AUX PITOT HEAT	AD1	30-30-01	ALL
270	L CSEU PSU MODULE	FD3	27-09-05	ALL
271	AFT CABIN AIR OVHT	EJ10	21-60-04	ALL
272	PRECOOL OUTLET AIR OH	BD3	31-41-01	ALL
273	BULK CARGO HEATER	FC6	21-44-02	ALL
274	AUTOSTART INST	AK7	31-41-01	ALL
275	L FUEL JET XFR VLV	AH9	28-31-01	SAS 050-149, 155-274, AND
				MTH 276-999
		AH9	NC	SAS 150-154, AND MTH 275
276	STAB TRIM FAULT	AD11	27-40-01	ALL
277	R SIDE BRACE SYS 2	EJ7	32-61-01	ALL
278	C HYD WING VALVE	EJ6	27-00-01	ALL
279	NOT USED			ALL
280	APU RPM STATUS	BK6	31-41-01	ALL
281	FUEL JETTISON NOZ	BE8	28-31-01	SAS 050-149, 155-274, AND
				MTH 276-999
		BE8	NC	SAS 150-154, AND MTH 275

EICAS FAIL CODES (TABLE 101)

CODE	DESCRIPTION	PIN (D88X)	SCHEMATIC	EFFECTIVITY
282	FWD EQUIP EXH FAN	AJ13	21-58-05	ALL
283	R GEN GCB OPEN	DA12	24-20-02	ALL
284	R HYD ENG PUMP PR	DK13	29-00-03	ALL
285	F/O INST BUS XFER	BH14	24-51-04	ALL
286	R IDG VALVE	ED8	24-11-01	ALL
287	LAVATORY SMOKE (C)	EF15	NC	ALL
288	APU FUEL SHUTOFF	FA10	28-40-01	ALL
289	INSTR SOURCE	FA9	34-22-09	ALL
290	AUTO BRAKES	AG6	32-42-03	ALL
291	CABIN ALT >10 KFT	AF13	21-33-01	ALL
292	L IRS FAULT	AG5	34-21-01	ALL
293	R DRAG BRACE SYS 1	DF9	32-61-01	ALL
294	NOT USED			ALL
295	C BLEED ISOL VALVE	BG13	36-11-03	ALL
296	NOT USED			ALL
297	R NACELLE LOOP 2	EG6	26-11-02	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 MODULE	EK13	27-09-05	ALL
302	UNSCHED STAB MOVE	EB12	27-40-01	ALL
303	L ENG FUEL VAL	BF13	76-11-01	ALL
304	FWD EQ COOLING SYS	ED14	NC	ALL

EICAS FAIL CODES (TABLE 101)

CODE	DESCRIPTION	PIN (D88X)	SCHEMATIC	EFFECTIVITY
305	L ENG TAI VALVE	EC14	30-21-01	ALL
306	L GEN DRIVE OIL	DA10	24-11-01	ALL
307	LE SLAT SHUTDOWN	AK13	27-81-03	ALL
308	FWD EQUIP REFRIG	DA2	NC	ALL
309	R ENG T/R SRC VAL	BK10	NC	ALL
310	NOT USED			ALL
311	R ENG FIRE LP2	BE9	26-11-02	ALL
312	L TURB OVHT LOOP 2	BG2	NC	ALL
313	L SIDE BRACE SYS 1	BF9	32-61-01	ALL
314	ELEV FEEL	DC4	27-30-01	ALL
315	TRIM AIR	DA13	21-06-01	ALL
316	R PACK TEMP	AD5	21-50-02	ALL
317	IGN 1 STBY BUS	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	NUIANCE	AIRPLANES WITH SB 24-80
321	R TAT PROBE HEAT	EC13	NC	ALL
322	L FWD FUEL PUMP	DH8	28-40-01	ALL
323	A/P WARN-2 BAT	DG7	22-10-04	ALL
324	R SCU INSTALLATION	DK9	31-41-01	*[1]
	(SUPP PP #3)			
325	NOT USED			ALL

EICAS FAIL CODES (TABLE 101)

CODE	DESCRIPTION	PIN (D88X)	SCHEMATIC	EFFECTIVITY
326	ENG MAN	FH5	31-41-01	ALL
327	L ENG STARTER VAL	BH11	80-11-01	ALL
328	L IDG VALVE	FD7	24-11-01	ALL
329	L SCU INSTALLATION	FB4	31-41-01	*[1]
	(SUPP PP #1)			
330	FWD EQUIP SUP FAN1	AE11	21-58-04	ALL
331	R FUEL SPAR VALVE	EC1	28-40-01	ALL
332	T/O CONFIG SPOILER	ED2	31-51-03	ALL
333	R WING SLIDE DOOR	BB10	52-70-01	ALL
334	NOT USED			ALL
335	GEAR DOORS SYS 2	FC2	32-61-01	ALL
336	CABIN AUTOPRESS 2	EF13	21-31-01	ALL
337	BULK CARGO FAN	AE3	21-26-01	ALL
338	C-R FUEL PUMP PR	DG8	28-40-01	ALL
339	R NACELLE LOOP 1	DG9	26-11-02	ALL
340	NOT USED			ALL
341	L NACEL VENT VAL	BH5	75-23-01	ALL
342	L ENG TAI ON	BH12	NC	ALL
343	NOT USED	BK5	NC	ALL
344	N GEAR DOWN SYS 2	FC7	32-61-01	ALL
345	APU BAT NO STBY	FB3	NC	ALL
346	NOT USED			ALL

EICAS FAIL CODES (TABLE 101)

CODE	DESCRIPTION	PIN (D88X)	SCHEMATIC	EFFECTIVITY
347	L FWD EMERG DOOR	AE4	52-70-01	767-300 AIRPLANES
		AE4	NC	767-200 AIRPLANES
348	R ECS PACK OFF	AG10	21-50-02	ALL
349	LDG CONFIG-GEAR	BG14	31-51-04	ALL
350	L ENG FUEL CUTOFF	BD14	76-11-01	ALL
351	FWD EQPT OVHT	BG8	21-58-01	ALL
352	L FWD ENT DOOR	BA10	52-70-01	ALL
353	R AFT ENT DOOR	AD13	52-70-01	ALL
354	BULK CARGO TEMP	AK9	31-41-01	ALL
355	L TAIL HYD VALVE	AH8	27-00-01	ALL
356	L NACELLE LOOP 1	AG4	26-11-01	ALL
357	FUEL XFEED CLOSED	FH4	28-40-01	ALL
358	L ENG CONT CHB	BH6	NC	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	28-40-01	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	L COWL TEMP SWITCH	ED9	30-21-01	ALL
367	NOT USED			ALL

EICAS FAIL CODES (TABLE 101)

CODE	DESCRIPTION	PIN (D88X)	SCHEMATIC	EFFECTIVITY
368	L AFT ENT DOOR	BE12	52-70-01	ALL
369	R FWD ENT DOOR	AD14	52-70-01	ALL
370	FWD CARGO FIRE	DF7	26-16-01	ALL
371	R ENG LO OIL PRESS	DK10	79-00-01	ALL
372	N GEAR DOWN SYS 1	DF6	32-61-01	ALL
373	MAX THROTTLE L	BG10	73-21-02	ALL
374	C IRS DC FAIL	FC3	34-21-03	ALL
375	NOT USED			ALL
376	NOT USED			ALL
377	R FWD FUEL PUMP	FH9	28-40-01	ALL
378	SPARE DISC 1-03	EC7	NC	ALL
379	L TAT PROBE HEAT	EC8	NC	ALL
380	NOT USED			ALL
381	IDG RISE/TEMP SW	BB5	24-11-01	ALL
382	AILERON LOCKOUT	DC3	27-10-02	ALL
383	L DRAG BRACE SYS 2	BG15	32-61-01	ALL
384	FWD CARGO DOOR	AF15	NC	ALL
385	CARGO AIR FLOW	FE7	26-16-01	ALL
386	MAX THROTTLE-R	DE13	73-21-04	ALL
387	R GEAR DOWN SYS 1	DF8	32-61-01	ALL
388	NOT USED			ALL
389	CARGO BTL 2 DISCH	FC8	26-23-01	ALL
390	NOT USED			ALL

EICAS FAIL CODES (TABLE 101)

CODE	DESCRIPTION	PIN (D88X)	SCHEMATIC	EFFECTIVITY
391	R REV ISLN VAL	DH7	78-36-01	ALL
392	R IRS FAULT	DE2	34-21-02	ALL
393	APU DOOR	FE1	49-00-04	ALL
394	F/O PITOT HI HEAT	EK12	30-31-01	ALL
395	NOT USED			ALL
396	L ENG BLEED OVHT	EK10	36-11-07	ALL
397	L ECS PACK BITE	FD2	21-50-03	ALL
398	ALTN ANTISKID	AD3	32-42-04	ALL
399	FUEL CROSSFEED VALVE	EC2	NC	AIRPLANES WITH DUAL
				FUEL X-FEED SYSTEM
			28-40-01	AIRPLANES WITH SINGLE
				FUEL X-FEED SYSTEM
400	MID CABIN ZONE	BE13	31-41-01	ALL
401	NOT USED			ALL
402	RAM OUTLET DOOR	DJ12	31-41-01	ALL
403	L HYD SYS LO PRESS	DE14	29-00-02	ALL
404	NOT USED			ALL
405	NOT USED			ALL

EICAS FAIL CODES (TABLE 101)

CODE	DESCRIPTION	PIN (D88X)	SCHEMATIC	EFFECTIVITY
406	L INSTLN	DE3	31-41-01	ALL
407	L ENG	DE4	31-41-01	ALL
408	R TAIL HYD VALVE	DK8	27-00-01	ALL
409	NOT USED			ALL
410	L HYD QTY LO	EA3	29-00-07	ALL
411	TAT PROBE HEAT	EA4	30-30-01	ALL
412	WARN ELEX	BC8	31-51-01	ALL
413	IGN 2 ON STBY BUS	BK2	74-31-01	ALL
414	RUDDER RATIO SYSTEM	DC13	27-20-02	ALL
415	R ENG FUEL VALVE	BD15	76-11-01	ALL
416	FWD ACCESS DOOR	BB7	52-70-01	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	79-00-01	ALL
424	R IRS ON DC	DE5	34-21-02	ALL
425	MACH/SPEED TRIM	FE4	NC	ALL

EICAS FAIL CODES (TABLE 101)

CODE	DESCRIPTION	PIN (D88X)	SCHEMATIC	EFFECTIVITY
426	APU OIL QTY	EK4	49-00-02	ALL
427	R ENG BLEED OVHT	EK2	36-11-08	ALL
428	L ENG BLEED OFF	EK3	36-11-05	ALL
429	R ENG FUEL CUTOFF	BJ3	76-11-01	ALL
430	FIRE/DET SYS	EA2	26-11-02	ALL
431	STABILIZER T/O CONF	EA1	31-51-03	ALL
432	CERT AGENCY FAA	BD11	31-41-01	ALL
433	NOT USED			ALL
434	NOT USED			ALL
435	APU BAT DISCH	DG10	NC	ALL
436	NOT USED			ALL
437	RAT UNLOCKED	FK6	29-00-06	ALL
438	L ENG	DE6	31-41-01	ALL
439	R SIDE BRACE SYS 1	DE7	32-61-01	ALL
440	R ENG STARTER VAL	DK2	80-11-01	ALL
441	NOT USED			ALL
442	FWD FUEL X-FEED	DC14	NC	AIRPLANES WITH A SINGLE
				FUEL X-FEED SYSTEM
		DC14	28-40-01	AIRPLANES WITH A DUAL
				FUEL X-FEED SYSTEM

EICAS FAIL CODES (TABLE 101)

CODE	DESCRIPTION	PIN (D88X)	SCHEMATIC	EFFECTIVITY
443	NOT USED			ALL
444	NOT USED			ALL
445	AIR/GROUND SYS 2	BJ13	32-09-02	ALL
446	NOT USED			ALL
447	R WING TAI VALVE	FJ2	30-11-01	ALL
448	NOT USED			ALL
449	F/O PITOT HEAT	EA6	30-30-01	ALL
450	L STRUT DUCT LEAK	DH2	26-18-01	ALL
451	R BLD DUCT LEAK	DG4	26-17-01	ALL
452	R AFT FUEL PUMP	DH3	28-40-01	ALL
453	L NACELLE LOOP 2	BE6	26-11-01	ALL
454	NOT USED			ALL
455	R ICE DETECTOR	BH8	30-81-01	SAS 150-154 WITH
				SB 30-17
				AND SAS 050-149, 155-274
		BH8	NC	SAS 150-154 WITHOUT
				SB 30-17 AND ALL MTH
				AIRPLANES
456	TAILSKID	FC5	32-71-01	767-300 AIRPLANES
456	NOT USED			767-200 AIRPLANES

EICAS FAIL CODES (TABLE 101)

CODE	DESCRIPTION	PIN (D88X)	SCHEMATIC	EFFECTIVITY
457	CAPT PITOT HEAT HI	FB8	30-30-01	ALL
458	NOT USED			ALL
459	CONFIG FUEL	ED13	28-40-01	ALL
460	LE SLAT DISAGREE	DB14	27-88-01	ALL
461	L ICE DETECTOR	BB13	30-81-01	SAS 150-154 WITH
				SB 30-17
				AND SAS 050-149, 155-274
		BB13	NC	SAS 150-154 WITHOUT
				SB 30-17 AND ALL MTH
				AIRPLANES
462	R HYD ELEC PUMP PR	FK2	29-00-03	ALL
463	LDG CONFIG-SPD BRK	BC14	31-51-04	ALL
464	R COWL TEMP SWITCH	EG15	30-21-01	ALL
465	BULK CARGO OVHT	EC9	21-44-02	ALL
466	R ENGINE OVHT	DG5	26-11-02	ALL
467	L ENG FIRE LOOP 1	DG6	26-11-01	ALL
468	NOT USED			ALL
469	L ENG PRV FAIL	BH9	36-11-07	ALL
470	NOT USED			ALL

EICAS FAIL CODES (TABLE 101)

CODE	DESCRIPTION	PIN (D88X)	SCHEMATIC	EFFECTIVITY
471	C HYD PUMP 1 OVHT	BK8	29-00-04	ALL
472	AFT CARGO FIRE	FF7	26-16-01	ALL
473	767 INSTL	FB7	31-41-01	ALL
474	LE SLAT ASYM	EB1	27-88-01	ALL
475	FLAP LOAD RELIEF	DB15	27-51-03	ALL
476	NOT USED			ALL
477	ALT ALERT	BE14	34-16-01	ALL
478	AUTOPILOT CAUTION-2	BJ2	22-14-01	ALL
479	R DRAG BRACE SYS 2	BE15	32-61-01	ALL
480	APU BITE	BA13	49-00-04	ALL
481	R EMERGENCY DOOR	BD5	52-70-01	767-200 AIRPLANES
		BD5	NC	767-300 AIRPLANES
482	R HYD ENG PUMP OVHT	AK4	29-00-03	ALL
483	L ENG LO OIL PRESS	AH3	79-00-01	ALL
484	R ENG FIRE LOOP 1	AG2	26-11-02	ALL
485	NOT USED			ALL

EICAS FAIL CODES (TABLE 101)

CODE	DESCRIPTION	PIN (D88X)	SCHEMATIC	EFFECTIVITY
485	NOT USED			ALL
486	L REV LEVER BLK	BJ10	78-36-01	ALL
487	FWD EQU SPLY OVHT	FF3	21-58-01	ALL
488	APU ISOL VALVE	FE6	28-40-01	ALL
489	L STRUT DCT LK LP 2	FK8	NC	ALL
490	NOT USED			ALL
491	NOT USED			ALL
492	NOT USED			ALL
493	BULK CARGO DOOR	FF4	52-70-01	ALL
494	MAIN BAT CHGR	EA12	24-31-01	ALL
495	L WING TAI PRESS	FK1	30-11-01	ALL
496	L EMERGENCY DOOR	BB12	52-70-01	767-200 AIRPLANES
		BB12	NC	767-300 AIRPLANES
497	AFT CARGO DOOR	BA7	52-70-01	ALL
498	APU BTL 1 DISCH	DF2	NC	ALL SAS AIRPLANES
		DF2	26-22-01	ALL MTH AIRPLANES
499	R REV LEVER BLK	DJ3	78-36-01	ALL
500	FSEU FAULT	DF3	27-51-02	ALL
501	NOT USED			ALL
502	C IRS FAULT	FC4	34-21-03	ALL
503	NOT USED			ALL

EICAS FAIL CODES (TABLE 101)

CODE	DESCRIPTION	PIN (D88X)	SCHEMATIC	EFFECTIVITY
504	FWD CARGO TEMP	FD8	31-41-01	ALL
505	FWD CABIN TEMP	FK9	21-60-03	ALL
506	L ELEVATOR	EH6	27-30-01	ALL
507	R ELEVATOR	EH7	27-30-01	ALL
508	L ENG EGT	BA15/	77-00-01	ALL
		BB25		
509	R ENG EGT	EB15/	77-00-01	ALL
		EA15		
510	L ENG FF START	AJ8	73-31-01	ALL
510	L ENG FF STOP	AJ7	73-31-01	ALL
510	L ENG FF COM	AJ9	73-31-01	ALL
511	R ENG FF START	DJ1	73-31-01	ALL
511	R ENG FF STOP	DH1	73-31-01	ALL
511	R ENG FF COM	DK1	73-3 -01	ALL
512	ENG FUEL PRESS L	AJ10	73-33-01	ALL
513	ENG FUEL PRESS R	DG14	73-33-01	ALL
514	L ENG N1	BD1/BD2	77-00-01	ALL
515	R ENG N1	EA14/	77-00-01	ALL
		EB14		
516	L ENG N2	AJ5/AJ6	77-00-01	ALL

EICAS FAIL CODES (TABLE 101)

CODE	DESCRIPTION	PIN (D88X)	SCHEMATIC	EFFECTIVITY
517	R ENG N2	DJ8/DJ9	77-00-01	ALL
518	NOT USED			ALL
519	NOT USED			ALL
520	L ENG OIL PRESS	BH2	79-00-01	ALL
521	R ENG OIL PRESS	EH11	79-00-01	ALL
522	L ENG OIL QTY	BJ8	79-00-01	ALL
523	R ENG OIL QTY	EG13	79-00-01	ALL
524	L ENG OIL TEMP	AH10/	79-00-01	ALL
		AH11		
525	R ENG OIL TEMP	DH9/	79-00-01	ALL
		DH10		
526	ENG VIB-L	AF2	77-00-02	ALL
527	ENG VIB-R	AF1	77-00-02	ALL
528	L GEN LOAD	EE9	24-28-01	ALL
529	R GEN LOAD	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	C HYD PRESS	BH4	29-00-07	ALL
534	L HYD PRESS	BH3	29-00-07	ALL
535	R HYD PRESS	DK14	29-00-07	ALL

EICAS FAIL CODES (TABLE 101)

CODE	DESCRIPTION	PIN (D88X)	SCHEMATIC	EFFECTIVITY
536	C HYD QTY	AF4	29-00-07	ALL
537	L HYD QTY	AF3	29-00-07	ALL
538	R HYD QTY	AF5	29-00-07	ALL
539	IDG OIL TEMP L	EE7	24-11-01	ALL
540	IDG OIL TEMP R	EE8	24-11-01	ALL
541	INVTR AC VOLTS	EG11	24-28-01	ALL
542	INVTR AC FREQ	EG11	24-28-01	ALL
543	MAIN BAT CURRENT	BD6/BD7	24-34-01	ALL
544	MAIN BAT VOLTS	FA4	24-34-01	ALL
545	RUDDER	EH10	27-20-01	ALL
546	L TRU CURRENT	BD9/	24-34-01	ALL
		BD10		
547	R TRU CURRENT	BD12/	24-34-01	ALL
		BD13		
548	L TRU VOLTS	EG14	24-34-01	ALL
549	R TRU VOLTS	BE1	24-34-01	ALL
550	L IDG RISE TEMP	EE7	24-11-01	ALL
551	R IDG RISE TEMP	EE8	24-11-01	ALL

EICAS FAIL CODES (TABLE 101)

CODE	DESCRIPTION	PIN (D88X)	SCHEMATIC	EFFECTIVITY

(1) EICAS DISAGREE Trouble-Shooting

(a) 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:

1) 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
FF	510	511
N1	514	515
N2	516	517
OIL P	520	521
OIL Q	522	523
VIB (ANALOG AVM)	526	527

2) 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, the problem is probably caused by a weak input signal. Due to small differences of the EICAS computers, a weak input signal may only be detected by one of the EICAS computers.

   If the two computers have different codes, it is probably not a correct failure. Too much noise on the input signal can cause random 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 of bad airplane wiring.

3) Analog Discrete Output Disagreement

   If there is a disagreement between the commanded condition and the actual condition of the Master Caution Light, aural tone, or takeoff thrust output, a CU MONITOR code (0200 0000) will be put into NVM for display on the TEST page.

   If the CU MONITOR code is set in one or two computers, the failure will probably show during the self-test. You can isolate the failure more easily if you do the self-test for one computer at a time and observe which output causes the failure.

2. ARINC 429 Data Bus Charts

A. General

(1) ARINC 429 data bus charts provide information needed to analyze ARINC 429 transmitters, receivers, and data buses. Testing is accomplished at available terminal blocks or at LRU connectors using a breakout box.

B. Equipment

(1) Standard multimeter - commercially available

(2) Data Bus Analyzer - 429EB; JcAIR
Instrumentation (preferred)
400 Industrial Parkway,
Industrial Airport, KS
66031
- 429-2; Interface Technology
(optional)
150 E. Arrow Highway,
San Dimas, CA 91773

(3) Breakout Box A34011-1 (preferred)
A34011-112 (optional)

C. Procedure

CAUTION: DO NOT PROBE CONNECTORS. USE A BREAKOUT BOX OR CONNECTORS MAY BE DAMAGED.

(1) Obey this caution during all of this task.

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							
DIGITAL OUTPUT BUS CHART							
BUS NAME			CON	PINS	BUS FORMAT	BIT RATE	DATA BUS
SOURCE	TYPE	BUS					
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

EICAS ID=029

OCTAL LABELS CHART

SIGNAL	TYPE	LABEL	FORMAT	MIN UPDATE RATE	SDI	BINARY RANGE	POSITIVE SENSE	UNITS
AIL POS INNER L	A	001	BNR	10	00	±180	SURFACE UP	DEG
AIL POS INNER R	A	001	BNR	10	01	±180	SURFACE UP	DEG
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 CHARGING	AMP DC
APU BATT VOLTS	A	002	BNR	5	01	128	ALWAYS POS	VD
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	256	ALWAYS POS	%FULL
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

EICAS ID=029

OCTAL LABELS CHART

SIGNAL	TYPE	LABEL	FORMAT	MIN UPDATE RATE	SDI	BINARY RANGE	POSITIVE SENSE	UNITS
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
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	5	01	N/A		N/A
DISC WORD #02	A	007	DIS	5	10	N/A		N/A
DISC WORD #03	A	007	DIS	5	11	N/A		N/A
DISC WORD #04	A	010	DIS	5	00	N/A		N/A
DISC WORD #05	A	010	DIS	5	01	N/A		N/A
DISC WORD #06	A	010	DIS	5	10	N/A		N/A
DISC WORD #07	A	010	DIS	5	11	N/A		N/A
DISC WORD #08	A	011	DIS	5	00	N/A		N/A
DISC WORD #09	A	011	DIS	5	01	N/A		N/A
DISC WORD #10	A	011	DIS	5	10	N/A		N/A
DISC WORD #11	A	011	DIS	5	11	N/A		N/A
DISC WORD #12	A	012	DIS	5	00	N/A		N/A
DISC WORD #13	A	012	DIS	5	01	N/A		N/A
DISC WORD #14	A	012	DIS	5	10	N/A		N/A
DISC WORD #15	A	012	DIS	5	11	N/A		N/A

EICAS ID=029

OCTAL LABELS CHART

SIGNAL	TYPE	LABEL	FORMAT	MIN UPDATE RATE	SDI	BINARY RANGE	POSITIVE SENSE	UNITS
DISC WORD #16	A	013	DIS	5	00	N/A		N/A
DISC WORD #17	A	013	DIS	5	01	N/A		N/A
DISC WORD #18	A	013	DIS	5	10	N/A		N/A
DISC WORD #19	A	013	DIS	5	11	N/A		N/A
DISC WORD #20	A	014	DIS	5	00	N/A		N/A
DISC WORD #21	A	014	DIS	5	01	N/A		N/A
DISC WORD #22	A	014	DIS	5	10	N/A		N/A
DISC WORD #23	A	014	DIS	5	11	N/A		N/A
DISC WORD #24	A	015	DIS	5	00	N/A		N/A
DISC WORD #25	A	015	DIS	5	01	N/A		N/A
DISC WORD #26	A	015	DIS	5	10	N/A		N/A
DISC WORD #27	A	015	DIS	5	11	N/A		N/A
DISC WORD #28	A	016	DIS	5	00	N/A		N/A
DISC WORD #29	A	016	DIS	5	01	N/A		N/A
DISC WORD #30	A	016	DIS	5	10	N/A		N/A
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 EGT R	A	017	BNR	10	10	2048	ABOVE 0°C	DEG-C
ENG FUEL FLOW-L	A	017	BNR	10	11	32768	ALWAYS POS	LBS/HR

EICAS ID=029

OCTAL LABELS CHART

SIGNAL	TYPE	LABEL	FORMAT	MIN UPDATE RATE	SDI	BINARY RANGE	POSITIVE SENSE	UNITS
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 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 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 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 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 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 EPR COMMAND L	A	024	BNR	10	11	4	ALWAYS POS	RATIO
TOTAL AIR TEMP	A	025	BNR	2	11	±512	ABOVE 0°C	DEG C

EICAS ID=029

OCTAL LABELS CHART

SIGNAL	TYPE	LABEL	FORMAT	MIN UPDATE RATE	SDI	BINARY RANGE	POSITIVE SENSE	UNITS
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
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	%
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 CHARGING	AMP D
MAIN BATT VOLTS	A	032	BNR	5	01	±128	ALWAYS POS	VDC

EICAS ID=029

OCTAL LABELS CHART

SIGNAL	TYPE	LABEL	FORMAT	MIN UPDATE RATE	SDI	BINARY RANGE	POSITIVE SENSE	UNITS
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
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	
DISC WORD #31	A	036	DIS	5	11	N/A		N/A
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 #32	A	037	DIS	5	00	N/A		N/A
DISC WORD #33	A	037	DIS	5	01	/A		N/A
DISC WORD #34	A	037	DIS	5	10	N/A		N/A
DISC WORD #35	A	037	DIS	5	11	N/A		N/A
AFT TRIM VALVE	A	040	BNR	5	00	128	ALWAYS POS	% OPEN

EICAS ID=029

OCTAL LABELS CHART

SIGNAL	TYPE	LABEL	FORMAT	MIN UPDATE RATE	SDI	BINARY RANGE	POSITIVE SENSE	UNITS
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
BARO ALTITUDE	A	041	BNR	5	10	±131072	ALWAYS POS	FEET
COMPUTED AIRSPEED	A	042	BNR	5	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	% OPEN
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
R RAM OUT DOOR	A	043	BNR	5	00	128	ALWAYS POS	% OPEN
FWD DUCT TEMP	A	044	BNR	5	00	±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

EICAS ID=029

OCTAL LABELS CHART

SIGNAL	TYPE	LABEL	FORMAT	MIN UPDATE RATE	SDI	BINARY RANGE	POSITIVE SENSE	UNITS
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
FWD CARGO TEMP	A	053	BNR	5	01	±2048	ABOVE 0°C	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
BURNER PRESSURE L	A	056	BNR	2	10	1024	ALWAYS POS	PSIA
BURNER PRESSURE R	A	056	BNR	2	11	1024	ALWAYS POS	PSIA
HYD GEN AC VOLTS	A	057	BNR	5	10	256	ALWAYS POS	VAC
HYD GEN AC FREQ	A	057	BNR	5	11	512	ALWAYS POS	HZ
HYD GEN DC VOLTS	A	060	BNR	5	00	50	ALWAYS POS	VDC
TIRE PRESSURE A	A	063	BNR	1	00	1024	ALWAYS POS	PSI
TIRE PRESSURE A	A	063	BNR	1	01	1024	ALWAYS POS	PSI
TIRE PRESSURE A	A	063	BNR	1	10	1024	ALWAYS POS	PSI
TIRE PRESSURE A	A	063	BNR	1	11	1024	ALWAYS POS	PSI
TIRE PRESSURE A	A	064	BNR	1	00	1024	ALWAYS POS	PSI
TIRE PRESSURE A	A	064	BNR	1	01	1024	ALWAYS POS	PSI

EICAS ID=029

OCTAL LABELS CHART

SIGNAL	TYPE	LABEL	FORMAT	MIN UPDATE RATE	SDI	BINARY RANGE	POSITIVE SENSE	UNITS
TIRE PRESSURE A	A	064	BNR	1	10	1024	ALWAYS POS	PSI
TIRE PRESSURE A	A	064	BNR	1	11	1024	ALWAYS POS	PSI
TIRE PRESSURE A	A	065	BNR	1	00	1024	ALWAYS POS	PSI
TIRE PRESSURE A	A	065	BNR	1	01	1024	ALWAYS POS	PSI
AUX FWD DUCT TEMP	A	066	BNR	5	00	±2048	ABOVE 0°C	DEG C
AUX FWD TRIM VALVE	A	066	BNR	5	01	128	ALWAYS POS	% OPEN
AUX MID DUCT TEMP	A	066	BNR	5	10	±2048	ABOVE 0°C	DEG C
AUX MID TRIM VALVE	A	066	BNR	5	11	128	ALWAYS POS	% OPEN
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 N1 ACTUAL TMC	B	304	BNR	20	00	256	ALWAYS POS	
R N1 ACTUAL TMC	B	305	BNR	20	00	256	ALWAYS POS	
L FUEL FLOW - TMC	B	306	BNR	10	00	32768	ALWAYS POS	LBS/HR
R FUEL FLOW - TMC	B	307	BNR	10	00	32768	ALWAYS POS	LBS/HR
ENG EPR ACTUAL-L	B	340	BNR	20	10	4.0	ALWAYS POS	RATIO
ENG EPR ACTUAL-R	B	340	BNR	20	01	4.0	ALWAYS POS	RATIO
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

EICAS					
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
C HYD SYS PRESS	007	12	RECORD	NORMAL	10
FWD CABIN TEMP	007	12	RECORD	NORMAL	01
AFT CABIN TEMP	007	13	RECORD	NORMAL	01
R HYD SYS PRESS	007	13	RECORD	NORMAL	10
L PACK TEMP	007	14	RECORD	NORMAL	01
L HYD QTY	007	14	RECORD	NORMAL	10
C HYD QTY	007	15	RECORD	NORMAL	10
R PACK TEMP	007	15	RECORD	NORMAL	01
MID CABIN TEMP	007	16	RECORD	NORMAL	01
R HYD QTY	007	16	RECORD	NORMAL	10
L ELEC HYD OVHT	007	17	RECORD	NORMAL	10
L ENG EGT YLW	007	17	RECORD	NORMAL	11
L DEM HYD OVHT	007	18	RECORD	NORMAL	10
R ENG EGT YLW	007	18	RECORD	NORMAL	11

EICAS

DISCRETE OCTAL LABELS/BIT CHART

SIGNAL	OCTAL LABEL	BIT	ONE-STATE	ZERO-STATE	SDI
R ELEC HYD OVHT	007	19	RECORD	NORMAL	10
R DEM HYD OVHT	007	20	RECORD	NORMAL	10
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
C HYD2 OVHT	007	22	RECORD	NORMAL	10
R GEN DRIVE	007	22	RECORD	NORMAL	01
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
L PRIM HYD OVHT	007	24	RECORD	NORMAL	10
R ENG OIL PRES YEL	007	24	RECORD	NORMAL	11
R IDG OIL TEMP	007	24	RECORD	NORMAL	01
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

EICAS					
DISCRETE OCTAL LABELS/BIT CHART					
SIGNAL	OCTAL LABEL	BIT	ONE-STATE	ZERO-STATE	SDI
R PRIM HYD OVHT	007	26	RECORD	NORMAL	10
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 ENG TAI ON	010	13	TAI OFF	TAI ON	10
R HYD WING VALVE	010	13	CLOSED	OPEN	01
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 DUCT LK LP 2	010	15	FAULT	OK	11
L ENGING 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

EICAS					
DISCRETE OCTAL LABELS/BIT CHART					
SIGNAL	OCTAL LABEL	BIT	ONE-STATE	ZERO-STATE	SDI
PROGRAM PIN #08	010	16	SELECTED	NOT SEL	00
AFT EQPT EXH FAN 2	010	17	FAULT	OK	11
APU BTL DISCH	010	17	LO PRESS	NORMAL	01
FWD EQUIP SUP FAN2	010	17	FAULT	OK	10
STBY BUS OFF	010	17	BUS OFF	BUS ON	00
GEAR DISAGRE SYS#1	010	18	DISAGREE	NORMAL	01
R FWD EMERG DOOR	010	18	OPEN	CLOSED	00
R LE INBD SLAT	010	18	DISAGREE	NORMAL	00
L GEN GCB OPEN	010	18	GEN OFF	GEN ON	10
DFDAU STATUS (767)	010	18	FAULT	OK	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

EICAS					
DISCRETE OCTAL LABELS/BIT CHART					
SIGNAL	OCTAL LABEL	BIT	ONE-STATE	ZERO-STATE	SDI
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
ANTISKID/AUTOBRAKE	010	21	FAULT	OK	11
DC BUS TIE	010	21	BUS TIE	NORMAL	10
SPARE	010	21	GND	OPEN	01
MID CABIN AIR OVHT	010	21	OVHT	NORMAL	00
ATC FAULT	010	22	FAULT	OK	11
HYD BRAKE SOURCE	010	22	ACCUMULATR	NORMAL	01
LOW FUEL QTY	010	22	LOW QTY	NORMAL	00
HYD GEN VALVE	010	22	OK	FAULT	10
L ENG RLY 767	010	23	FAULT	OK	00
FWD CARGO OVHT	010	23	OVHT	NORMAL	11
PROGRAM PIN #14	010	23	SELECTED	NOT SEL	01

EICAS

DISCRETE OCTAL LABELS/BIT CHART

SIGNAL	OCTAL LABEL	BIT	ONE-STATE	ZERO-STATE	SDI
RSVR BRAKE VALVE	010	23	DISAGREE	NORMAL	10
GPWC MONITOR	010	24	FAULT	OK	00
AFT CARGO HEATER	010	24	ON	OFF	01
ANTI-SKID	010	24	FAULT	OK	10
L ENG PROBE HEAT	010	24	FAULT	OK	11
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 MACH PRI HT	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

EICAS					
DISCRETE OCTAL LABELS/BIT CHART					
SIGNAL	OCTAL LABEL	BIT	ONE-STATE	ZERO-STATE	SDI
L IRS DC FAIL	010	27	NORMAL	DC FAIL	10
FWD EQPT SPLY FLOW	010	27	LOW FLOW	NORMAL	11
L ENG T/R SRC VAL	010	28	DISAGREE	NORMAL	11
PROGRAM PIN #32	010	28	SELECTED	NOT SEL	01
R ECS PACK BITE	010	28	FAULT	OK	10
L FIRE EXT SWITCH	011	13	PULLED	NORMAL	10
C IRS ON DC	011	13	NORMAL	ON DC	11
PROGRAM PIN #29	011	13	SELECTED	NOT SEL	00
SPARE DISC 2-02	011	13	OPEN	VOLTAGE	01
AFT EQU SPLY FAN 2	011	14	FAULT	OK	11
FWD EQUIP SMOKE	011	14	SMOKE	NORMAL	10
L REV ISOL VALVE	011	14	DISAGREE	NORMAL	00
SPARE DISC 1-05	011	14	GND	OPEN	01
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	NO CUTOUT	NORMAL	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
L RECIRC FAN	011	17	FAULT	OK	11

EICAS

DISCRETE OCTAL LABELS/BIT CHART

SIGNAL	OCTAL LABEL	BIT	ONE-STATE	ZERO-STATE	SDI
PACK HI-FLOW	011	17	HI-FLOW	NORMAL	01
SPOILER SYSTEM	011	17	FAULT	OK	00
TE FLAP ASYM	011	17	FLAPS ASYM	NORMAL	10
FWD EQPT CLG FLTR	011	18	BLOCKED	OK	10
FLT DECK AIR OVHT	011	18	OVHT	NORMAL	00
L SPAR FUEL VALVE	011	18	DISAGREE	NORMAL	01
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 STRUT LOOP 7	011	22	FAULT	OK	10

EICAS					
DISCRETE OCTAL LABELS/BIT CHART					
SIGNAL	OCTAL LABEL	BIT	ONE-STATE	ZERO-STATE	SDI
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
AFT CARGO DOOR #1	011	24	OPEN	CLOSED	11
LARGE FWD CARGO DR	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

EICAS

DISCRETE OCTAL LABELS/BIT CHART

SIGNAL	OCTAL LABEL	BIT	ONE-STATE	ZERO-STATE	SDI
R HYD ELEV VALVE	011	25	CLOSED	OPEN	00
R DUCT LK LP 1	011	26	FAULT	OK	01
R ENGINE FIRE	011	26	FIRE	NORMAL	00
L ENG OIL FILTER	011	26	BYPASS	NORMAL	10
R FIRE EXT SWITCH	011	26	PULLED	NORMAL	11
R DUCT LK LP 1	011	26	FAULT	OK	01
L DUCT LK LP 1	011	27	FAULT	OK	10
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
FWD EQUIP VALVE	012	13	DISAGREE	NORMAL	10
PROGRAM PIN #04	012	13	SELECTED	NOT SEL	01
R NACEL VENT VAL	012	13	LO PRESS	NORMAL	11

EICAS					
DISCRETE OCTAL LABELS/BIT CHART					
SIGNAL	OCTAL LABEL	BIT	ONE-STATE	ZERO-STATE	SDI
R NACEL VENT VAL	012	13	DISAGREE	NORMAL	11
ANTI-SKID SWITCH	012	14	OFF	ON	10
PROGRAM PIN #01	012	14	SELECTED	NOT SEL	01
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 CH	012	15	OVHT	NORMAL	11
APU BAT CHARGER	012	16	FAULT	OK	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
L AOA PROBE HEAT	012	18	FAULT	OK	00
L ENG HI STAGE	012	18	FAULT	OK	01

EICAS

DISCRETE OCTAL LABELS/BIT CHART

SIGNAL	OCTAL LABEL	BIT	ONE-STATE	ZERO-STATE	SDI
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
R ENG PROBE HEAT	012	21	FAULT	OK	10

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	01
ALT STAT PROB HEAT	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
SPARE DISC 2-03	012	25	OPEN	VOLTAGE	00

EICAS

DISCRETE OCTAL LABELS/BIT CHART

SIGNAL	OCTAL LABEL	BIT	ONE-STATE	ZERO-STATE	SDI
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 PRES < 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
R STRUT LOOP 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

EICAS					
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
L AFT EMERG DOOR	013	18	OPEN	CLOSE	10

EICAS					
DISCRETE OCTAL LABELS/BIT CHART					
SIGNAL	OCTAL LABEL	BIT	ONE-STATE	ZERO-STATE	SDI
L LE OUTB SLAT	013	18	DISAGREE	NORMAL	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 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

EICAS					
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
R LE OUTBD SLAT	013	22	DISAGREE	NORMAL	10
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 767	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 1-04	013	25	FAULT	OPEN	01
R HYD ELEC PUMP OH	013	25	GND	NORMAL	10
R ENG FUEL FILTER	013	25	BYPASS	NORMAL	11

EICAS

DISCRETE OCTAL LABELS/BIT CHART

SIGNAL	OCTAL LABEL	BIT	ONE-STATE	ZERO-STATE	SDI
FWD CARGO FAN	013	26	FAULT	OK	00
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
STAB TRIM FAULT	013	27	FAULT	OK	11
EQPT SMOKE DET 2	013	28	FAULT/OFF	ON	00
L HYD WING VALVE	013	28	CLOSED	OPEN	01
LDG GR LEVER SYS 2	013	28	DOWN	UP/OFF	11
R SIDE BRACE SYS 2	013	28	DOWN & LOCK	UP	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 ELEV PCU	014	15	OK	FAULT	10
N GEAR DOWN SYS #2	014	15	DOWN & LOCK	UP	11
R FUEL HEAT VAL	014	15	DISAGREE	NORMAL	00

EICAS					
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
EEC MONITOR	014	16	STORE DATA	NORMAL	10
APU BAT NO STBY	014	16	NO STBY	NORMAL	11
FWD EQUIP EXH FAN	014	17	FAULT	OK	00
GEAR DISAGRE SYS #2	014	17	DISAGREE	NORMAL	01
ELEVATOR FEEL SYS	014	17	FAULT	OK	10
FWD EQUIP SUP FAN 1	014	17	FAULT	OK	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

EICAS

DISCRETE OCTAL LABELS/BIT CHART

SIGNAL	OCTAL LABEL	BIT	ONE-STATE	ZERO-STATE	SDI
R ECS PACK OVHT	014	19	OVHT	NORMAL	10
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			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

EICAS					
DISCRETE OCTAL LABELS/BIT CHART					
SIGNAL	OCTAL LABEL	BIT	ONE-STATE	ZERO-STATE	SDI
APU FUEL SHUTOFF	014	23	DISAGREE	NORMAL	00
EQPT SMOKE TEST	014	23	TEST	NORMAL	01
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	GND	OPEN	01
A/P WARN-2 BAT	014	26	A/P DISC	NORMAL	10

EICAS

DISCRETE OCTAL LABELS/BIT CHART

SIGNAL	OCTAL LABEL	BIT	ONE-STATE	ZERO-STATE	SDI
R NACELLE LOOP 1	014	26	FAULT	OK	11
L IRS FAULT	014	27	OK	FAULT	00
EQPT SMOKE DET 1	014	27	SMOKE	NORMAL	01
FWD EQUIP REFRIG	014	27	FAULT	OK	01
R EEC (SUPERVISORY)	014	27	FAULT	OK	10
L FUEL HEAT VAL	014	28	DISAGREE	NORMAL	10
R DRAG BRACE SYS 1	014	28	DOWN & LOCK	UP	00
R ENG T/R SRC VAL	014	28	DISAGREE	NORMAL	01
L ENG FUEL PUMP	014	28	LO PRESS	NORMAL	11
L NACEL VENT VAL	014	28	DISAGREE	NORMAL	11
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

EICAS					
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 LE INBD SLAT	015	18	DISAGREE	NORMAL	00
L TAT PROBE HEAT	015	18	FAULT	OK	10

EICAS					
DISCRETE OCTAL LABELS/BIT CHART					
SIGNAL	OCTAL LABEL	BIT	ONE-STATE	ZERO-STATE	SDI
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
L ECS PACK BITE	015	19	FAULT	OK	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
FLAP ISOL VALVE	015	21	FAULT	OK	01
AILERON LOCKOUT	015	21	LOCKOUT	NORMAL	10
ANTI-SKID ALTN	015	21	FAULT	OK	11
FWD EQPT OVHT	015	22	OVHT	NORMAL	00
L IDG VALVE	015	22	DISAGREE	NORMAL	01

EICAS					
DISCRETE OCTAL LABELS/BIT CHART					
SIGNAL	OCTAL LABEL	BIT	ONE-STATE	ZERO-STATE	SDI
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
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

EICAS					
DISCRETE OCTAL LABELS/BIT CHART					
SIGNAL	OCTAL LABEL	BIT	ONE-STATE	ZERO-STATE	SDI
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 HYD RSVR PRES<17	015	27	LO PRESS	NORMAL	11
L ENGINE 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
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	UP/OFF	01
R SIDE BRACE SYS 1	016	14	DOWN & LOCK	UP	01
R ENG STARTER VAL	016	15	DISAGREE	NORMAL	01
L GEAR DOWN SYS #2	016	15	FAULT	OK	10

EICAS					
DISCRETE OCTAL LABELS/BIT CHART					
SIGNAL	OCTAL LABEL	BIT	ONE-STATE	ZERO-STATE	SDI
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 (MAINT)	016	17	FAULT	OK	10
MASTER CAUT LIGHT	016	18	MCL ON	MCL OFF	10
R ENG BLEED OVHT	016	18	OVHT	NORMAL	01
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

EICAS

DISCRETE OCTAL LABELS/BIT CHART

SIGNAL	OCTAL LABEL	BIT	ONE-STATE	ZERO-STATE	SDI
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 IDG VALVE	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

EICAS					
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 MACH PR1 HT	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

EICAS

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	>TBD FUEL	<TBD FUEL	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

EICAS					
DISCRETE OCTAL LABELS/BIT CHART					
SIGNAL	OCTAL LABEL	BIT	ONE-STATE	ZERO-STATE	SDI
L ENG MACH PR2 HT	037	13	FAULT	OK	00
C IRS FAULT	037	13	OK	FAULT	01
L ENG N2 RED	037	13	RECORD	NORMAL	11
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 SELECTED	01
ECS MAN RECORD	037	15	RECORD	NORMAL	10
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
LE SLAT ASYM	037	17	ASYM SLATS	NORMAL	00
CAUTION AURAL COMM	037	17	AURAL	NOT WARN	01

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
L ENG OIL QTY	037	21	RECORD	NORMAL	11
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
R ENG OIL QTY	037	22	RECORD	NORMAL	11
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

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
ANY PARAMETER	037	25	DISAGREE	AGREE	10
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 RED	037	25	RECORD	NORMAL	11
R ENG MACH PR2 HT	037	26	FAULT	OK	01
R ENG OIL TEMP RED	037	26	RECORD	NORMAL	11
FSEU FAULT (STATUS)	037	27	FAULT	OK	01
R ENG FIRE LOOP 1	037	27	FAULT	OK	00
L ENG LO OIL PRESS	037	26	LO PRESS	NORMAL	00
L S/DOWN PWR SAVER	037	28	OK	FAULT	00
ALERT FAULT	037	27	FAULT	OK	10
ADC DATA	056	11	ACTIVE	INACTIVE	01
AVM DATA	056	12	ACTIVE	INACTIVE	01
EEC DATA - L	056	14	ACTIVE	INACTIVE	01

EICAS					
DISCRETE OCTAL LABELS/BIT CHART					
SIGNAL	OCTAL LABEL	BIT	ONE-STATE	ZERO-STATE	SDI
EEC DATA - R	056	15	ACTIVE	INACTIVE	01
EFIS COMP DATA	056	16	ACTIVE	INACTIVE	01
EFIS XTALK DATA	056	17	ACTIVE	INACTIVE	01
EICAS DSP DATA	056	18	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
MASTER CAUTION RST	060	11	ACTIVE	INACTIVE	01
L ENG STARTER	060	12	ACTIVE	INACTIVE	01
R ENG STARTER	060	13	ACTIVE	INACTIVE	01

EICAS DSP							
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

EICAS DSP				
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	
THRUST SET #4	270	25	CODED	

EICAS DSP				
DISCRETE OCTAL LABELS/BIT CHART				
SIGNAL	OCTAL LABEL	BIT	ONE-STATE	ZERO-STATE
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
SPARE 05	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

EICAS DSP				
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		0

3. EICAS Messages

A. The MESSAGE column shows the message as shown on the EICAS display unit.

(1) Number flagnotes in the MESSAGE column show if an Auto Event occurs with that message.

(2) Messages with *[5] show that an auto event has occurred because of an engine exceedance. These messages show on the PERF/APU and EPCS pages.

(3) The number flagnotes are as follows:
*[1] ECS Auto Event
*[2] ELEC Auto Event
*[3] HYD Auto Event
*[4] APU Auto Event
*[5] PERF and EPCS Auto Event (Auto Event Messages Only)

B. The LEVEL column shows the letters A, B, C, S, or M and also if that message is kept in nonvolatile memory (NVM). Levels A, B and C are Alert Messages, level S is a Status message and level M is a Maintenance message.

(1) Alert messages level A, B and C, show automatically in the top left corner of the primary engine page. They show the conditions that follow:

(a) Level A (Warning) messages show an incorrect condition that must be corrected immediately. Warning messages are red in color and show at the top of the alert message list.

(b) Level B (Caution) messages show an incorrect condition that must be known about immeditely and corrected subsequently. Caution messages are yellow in color and show below the last warning message.

(c) Level C (Advisory) messages show an incorrect condition that only must be known about immediately. Advisory messages are also yellow in color and show below the last caution message. Advisory messages start one space to the right of the caution messages.

(2) Alert messages (level A, B, and C) show at the top position of each message level area as they occur. When a new message shows, each of the remaining messages moves down one line. Alert messages show only while there is an incorrect condition; they are not kept in NVM.

(3) Level S (Status) messages show on the right side of the STATUS page. You must push the STATUS switch on the DISPLAY select panel to see the STATUS page. Status messages show incorrect conditions that the flight crew must know about before flight. Status messages are white in color.

(4) Level M (Maintenance) messages show on the top and right side of the ECS/MSG page. You must push the ECS/MSG switch on the maintenance panel to see the ECS/MSG page. Some messages have status and maintenance levels. These messages are important to the flight crew and the maintenance crew. Other messages have only a maintenance level. These are important to the maintenance crew, but the flight crew does not have to know about them. The messages are white in color.

(5) Communication messages notify the flight crew of incoming data links and other normal communications. They direct the flight crew to the appropriate system. Communication messages are displayed in the top left corner of the top EICAS display, in the alert field. They are displayed at the bottom of the alert field (alert messages are displayed at the top of the alert field). There are two levels of communication messages; COMM Medium (level E) and COMM Low (level F). Both are white and are preceded by a white bullet. COMM Medium messages are accompanied by an aural chime. COMM Low messages are indented one space. COMM Medium messages are displayed above COMM Low messages. The most recent message is displayed at the top of each group.

C. The SYSTEM INPUT column gives the general conditions that are necessary for the subsystem to send a discrete signal to show the message.

D. The FIM CHAP REF column gives the primary ATA chapter location of each message in the FIM. There is an EICAS MESSAGE LIST in each chapter which follows the FIM Contents section. This list shows all messages for that chapter and gives a corrective action or the FIM Chapter-Section reference with the applicable figure number.

E. The FIM EICAS Message List can be found in the front of the manual.

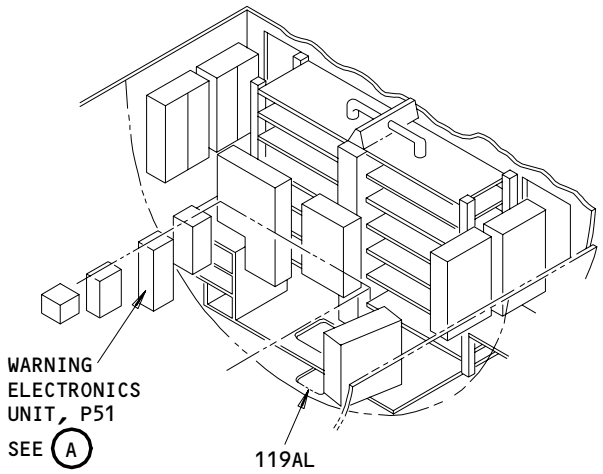
WARNING SYSTEM

COMPONENT	FIG. 102 SHT	QTY	ACCESS/AREA	AMM 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	11J34	*
WARN ELEX B, C566		1	11B18	*
FILTER – 400 Hz EMI, M1102 (PSU A)	1	1	119AL, MAIN EQUIP CTR, P51	31-51-01
FILTER – 400 Hz EMI, M1103 (PSU B)	1	1	119AL, MAIN EQUIP CTR, P51	31-51-01
INDICATOR – WEU PSU A FAULT 1	1	1	119AL, MAIN EQUIP CTR, P51	*
INDICATOR – WEU PSU B FAULT 1	1	1	119AL, 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 31-41-00/101) EICAS SIGNAL CONSOLIDATION CARD (SCC), M10727				
MODULE – (FIM 34-16-00/101) ALTITUDE ALERT, M617				
MODULE – BELL/CHIME AURAL WARNING, M1000	1	1	119AL, MAIN EQUIP CTR, P51	31-51-04
MODULE – DISCRETE WARNING DISPLAY, M779	1	1	FLIGHT COMPARTMENT, P1-3	*
MODULE – LANDING CONFIGURATION WARNING, M983	1	1	119AL, MAIN EQUIP CTR, P51	31-51-04
MODULE – LEFT SIREN/OWL AURAL WARNING, M999	1	1	119AL, MAIN EQUIP CTR, P51	31-51-04
MODULE – MASTER WARNING, M618	1	1	119AL, MAIN EQUIP CTR, P51	31-51-04
MODULE – POWER SUPPLY A, M616	1	1	119AL, MAIN EQUIP CTR, P51	31-51-04
MODULE – POWER SUPPLY B, M621	1	1	119AL, MAIN EQUIP CTR, P51	31-51-04
MODULE – RIGHT SIREN/OWL AURAL WARNING, M619	1	1	119AL, MAIN EQUIP CTR, P51	31-51-04
MODULE – T/O CONFIGURATION WARNING, M620	1	1	119AL, MAIN EQUIP CTR, P51	31-51-04
PANEL – (FIM 30-32-00/101) MISCELLANEOUS TEST, M10398				
RELAY – PSU A FAULT, K598	1	1	119AL, MAIN EQUIP CTR, P51	*
RELAY – PSU B FAULT, K599	1	1	119AL, MAIN EQUIP CTR, P51	*
SWITCH – CAPTAIN'S MASTER WARNING AND CAUTION LIGHTED, S507	2	1	FLIGHT COMPARTMENT, P7	*
SWITCH – CONFIGURATION WARNING TEST, S3	2	1	FLIGHT COMPARTMENT, P61	*
SWITCH – FIRST OFFICER'S MASTER WARNING AND CAUTION LIGHTED, S508	2	1	FLIGHT COMPARTMENT, P7	*
SWITCH – GND PROX/CONFIG GEAR OVRD, S604	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	1	119AL, MAIN EQUIP CTR, P51	*

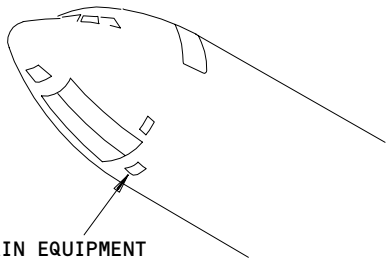
* SEE THE WDM EQUIPMENT LIST

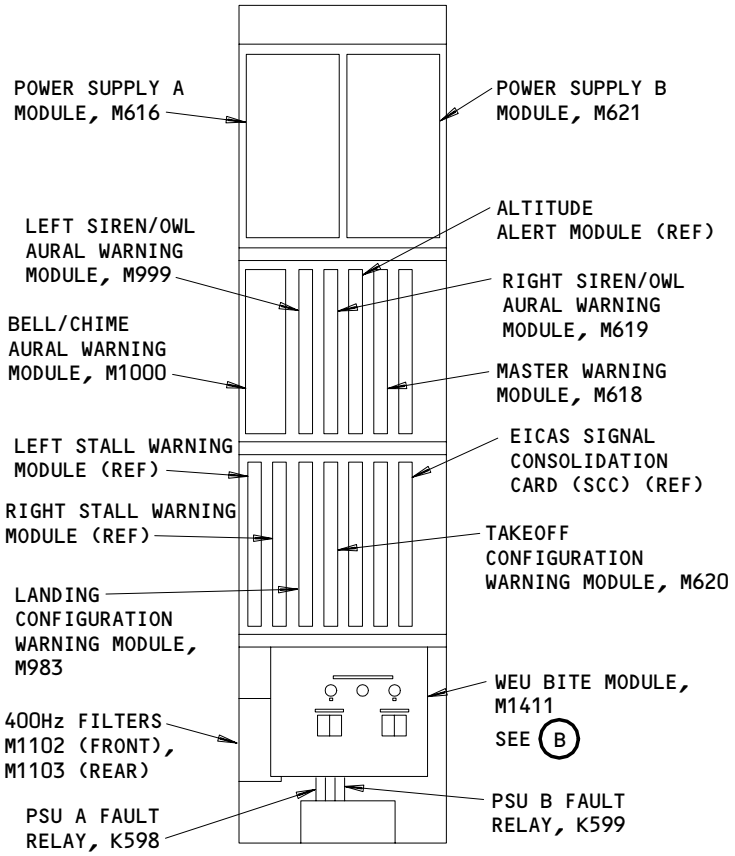
1 THE PSU RESET AND THE PSU A AND B FAULT INDICATORS ARE IN THE WEU BITE MODULE.

Warning System – Component Index
Figure 101



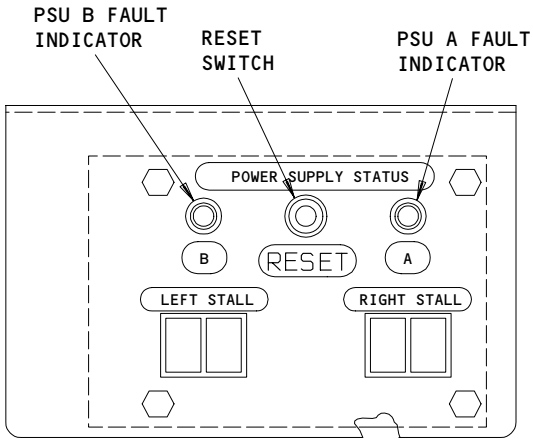
MAIN EQUIPMENT CENTER





WARNING ELECTRONICS UNIT, P51

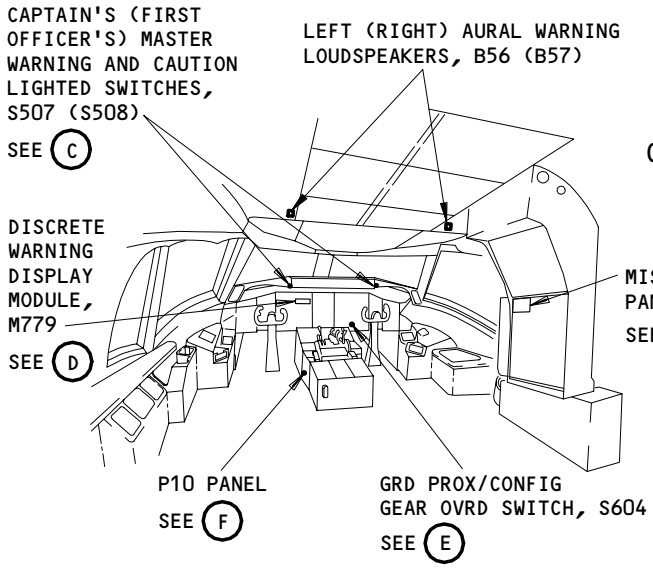
A



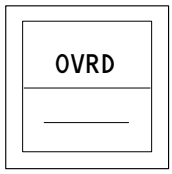
WEU BITE MODULE, M1411

B

Warning System - Component Location
Figure 102 (Sheet 1)

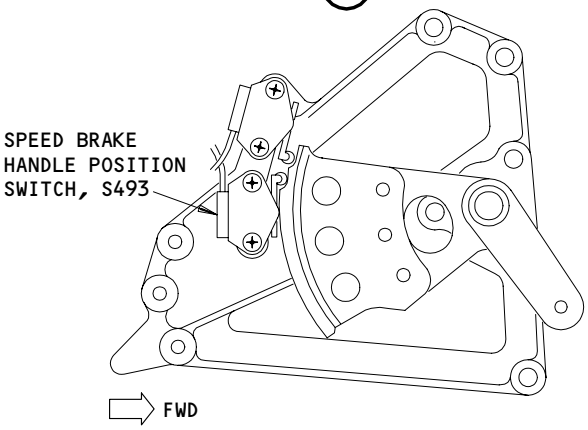


FLIGHT COMPARTMENT



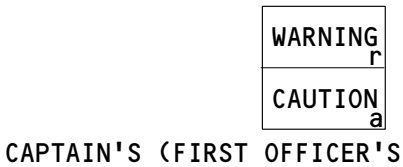
GND PROX/CONFIG GEAR OVRD SWITCH, S604

E



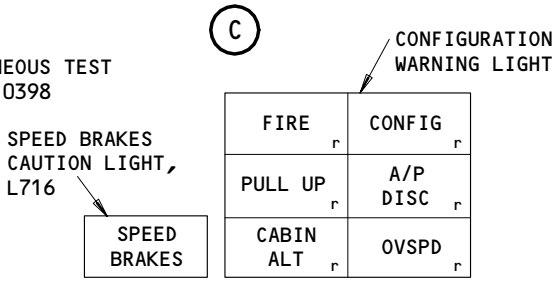
SPEED BRAKE

G



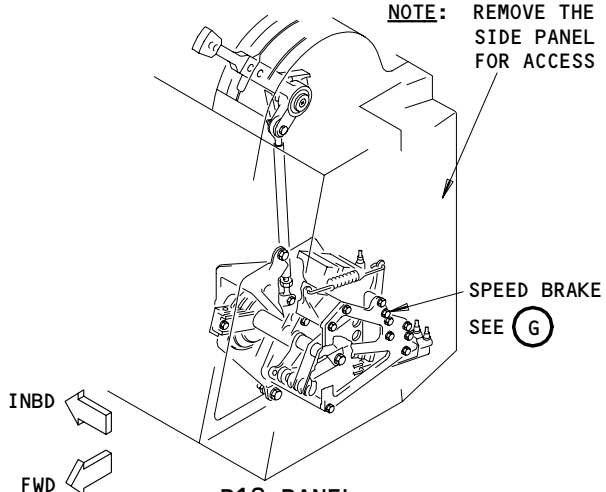
CAPTAIN'S (FIRST OFFICER'S) MASTER WARNING AND CAUTION LIGHTED SWITCHES, S507 (S508)

C



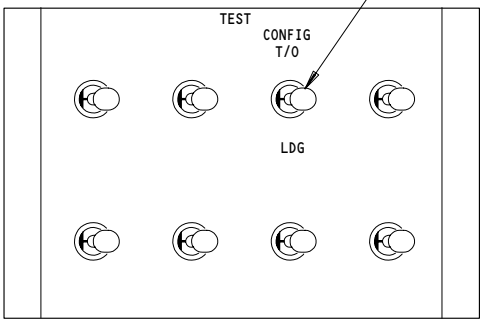
DISCRETE WARNING DISPLAY MODULE, M779

D



P10 PANEL

F



MISCELLANEOUS TEST PANEL, M10398

H

Warning System - Component Location
Figure 102 (Sheet 2)

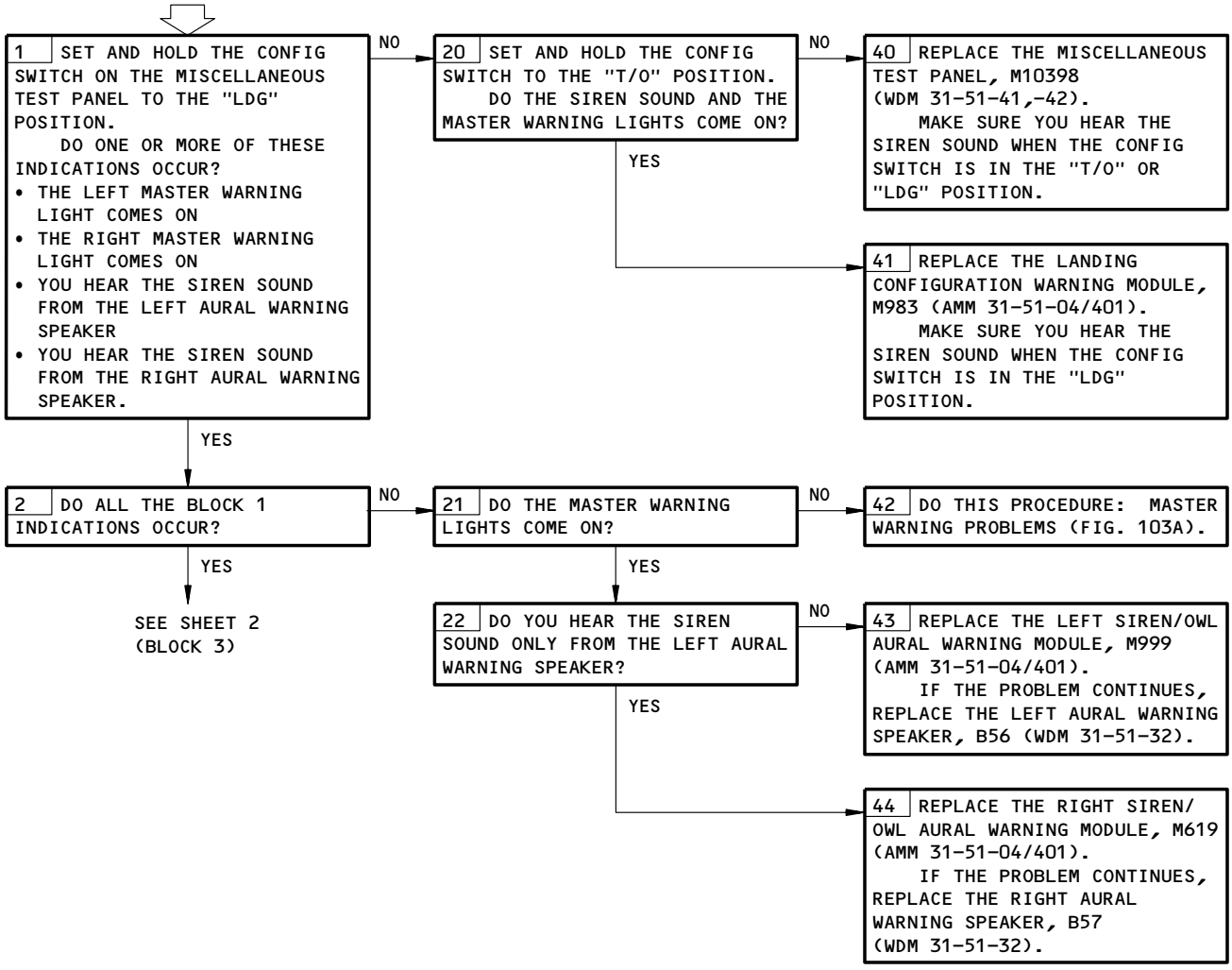
AURAL WARNING PROBLEMS

PREREQUISITES

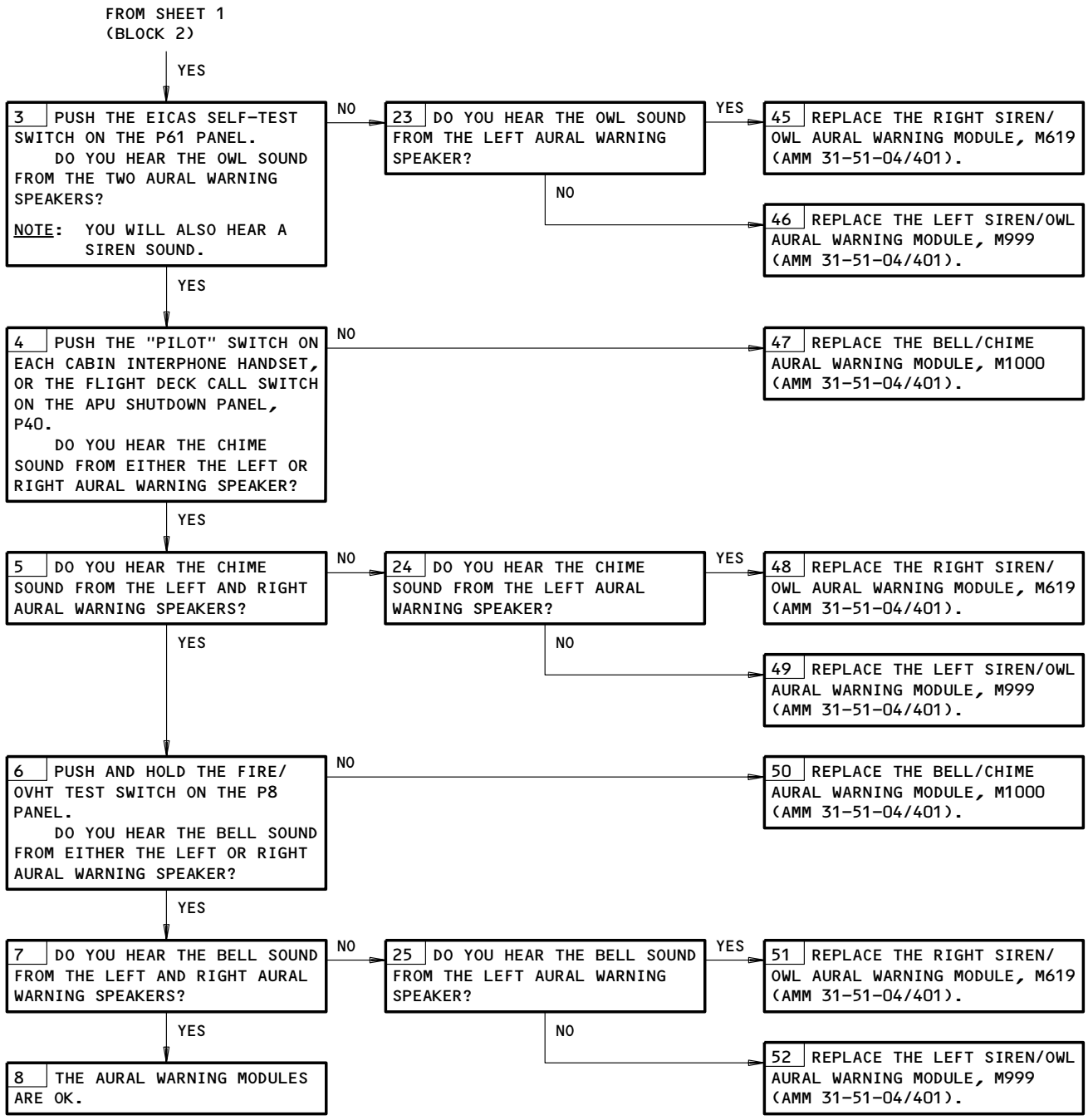
MAKE SURE THESE SYSTEMS WILL OPERATE:
MASTER DIM AND TEST (AMM 33-16-00/501)
RADIO ALTIMETER (AMM 34-33-00/501)

MAKE SURE THESE CIRCUIT BREAKERS ARE CLOSED:
11B16, 11B18, 11H35, 11J34

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



Aural Warning Problems
Figure 103 (Sheet 1)



Aural Warning Problems
Figure 103 (Sheet 2)

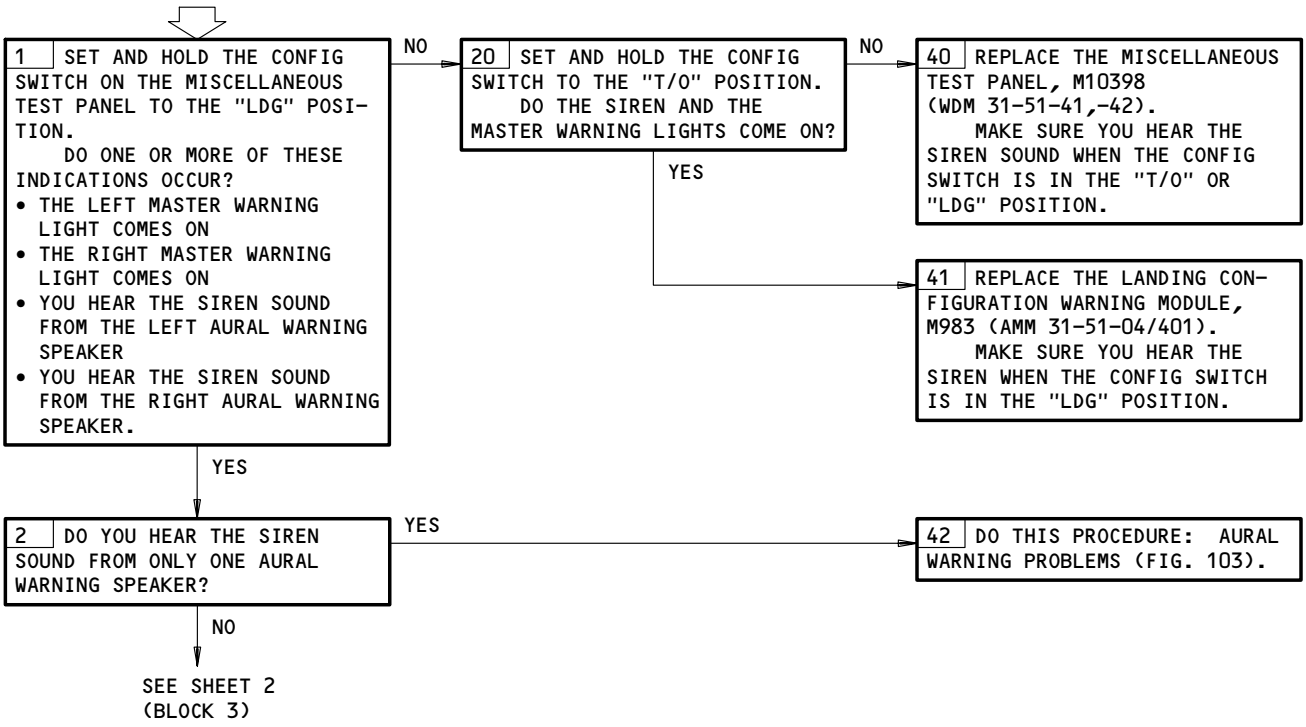
MASTER WARNING PROBLEMS

PREREQUISITES

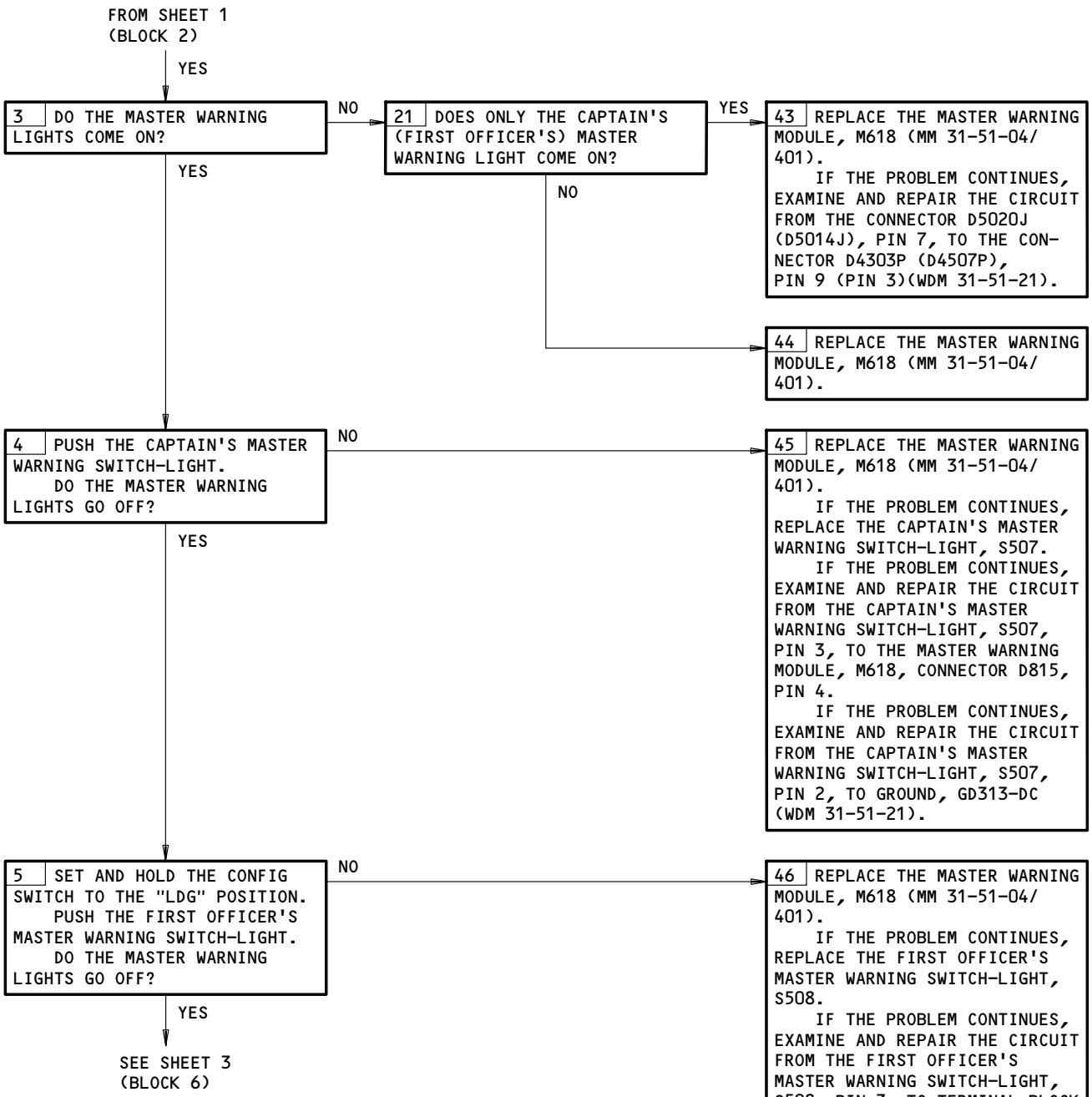
MAKE SURE THESE SYSTEMS WILL OPERATE:
MASTER DIM AND TEST (AMM 33-16-00/501)
RADIO ALTIMETER (AMM 34-33-00/501)

MAKE SURE THESE CIRCUIT BREAKERS ARE CLOSED:
11B16,11B18,11H35,11J34

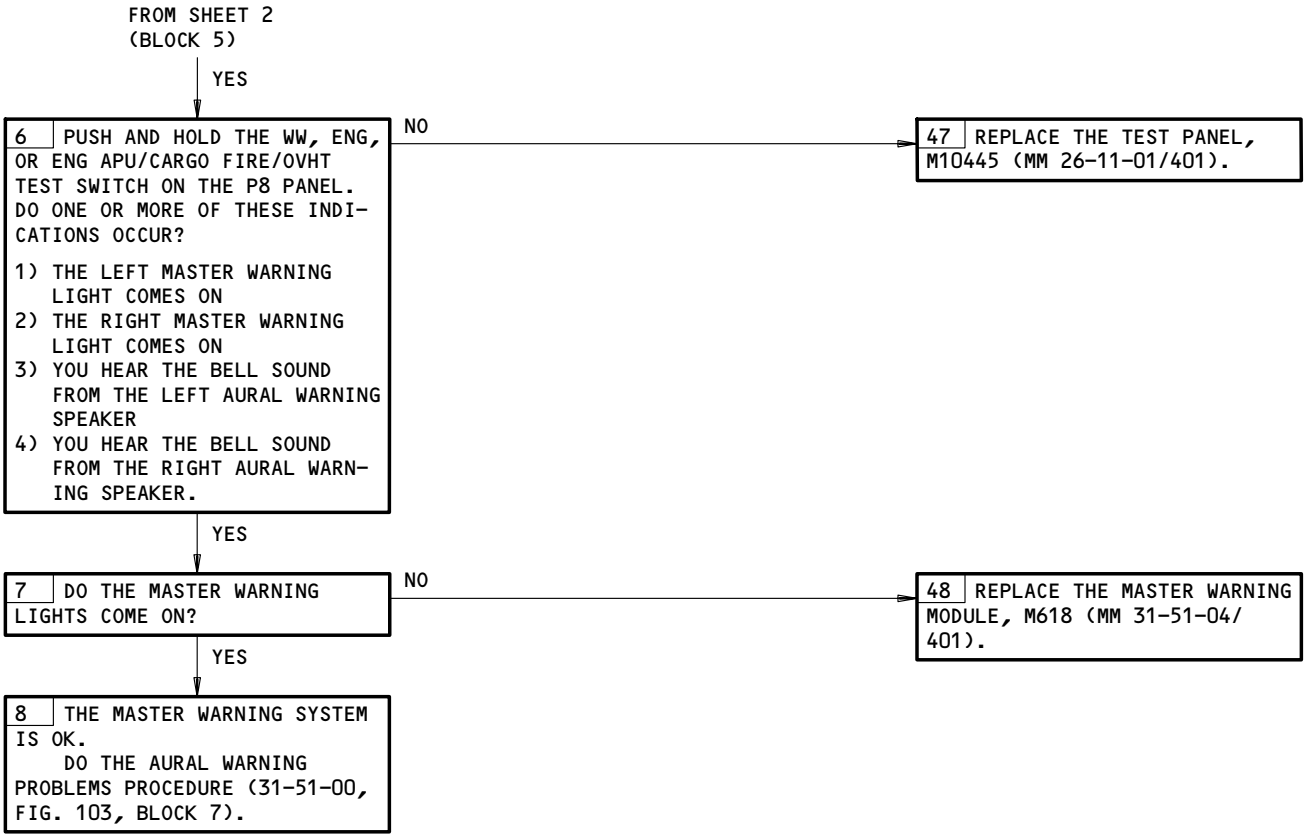
MAKE SURE THE AIRPLANE IS IN THIS CONFIGURATION:
ELECTRICAL POWER IS ON (AMM 24-22-00/201)
THE PARKING BRAKE IS SET TO THE ON POSITION



Master Warning Problems
Figure 103A (Sheet 1)



Master Warning Problems
Figure 103A (Sheet 2)



Master Warning Problems
Figure 103A (Sheet 3)

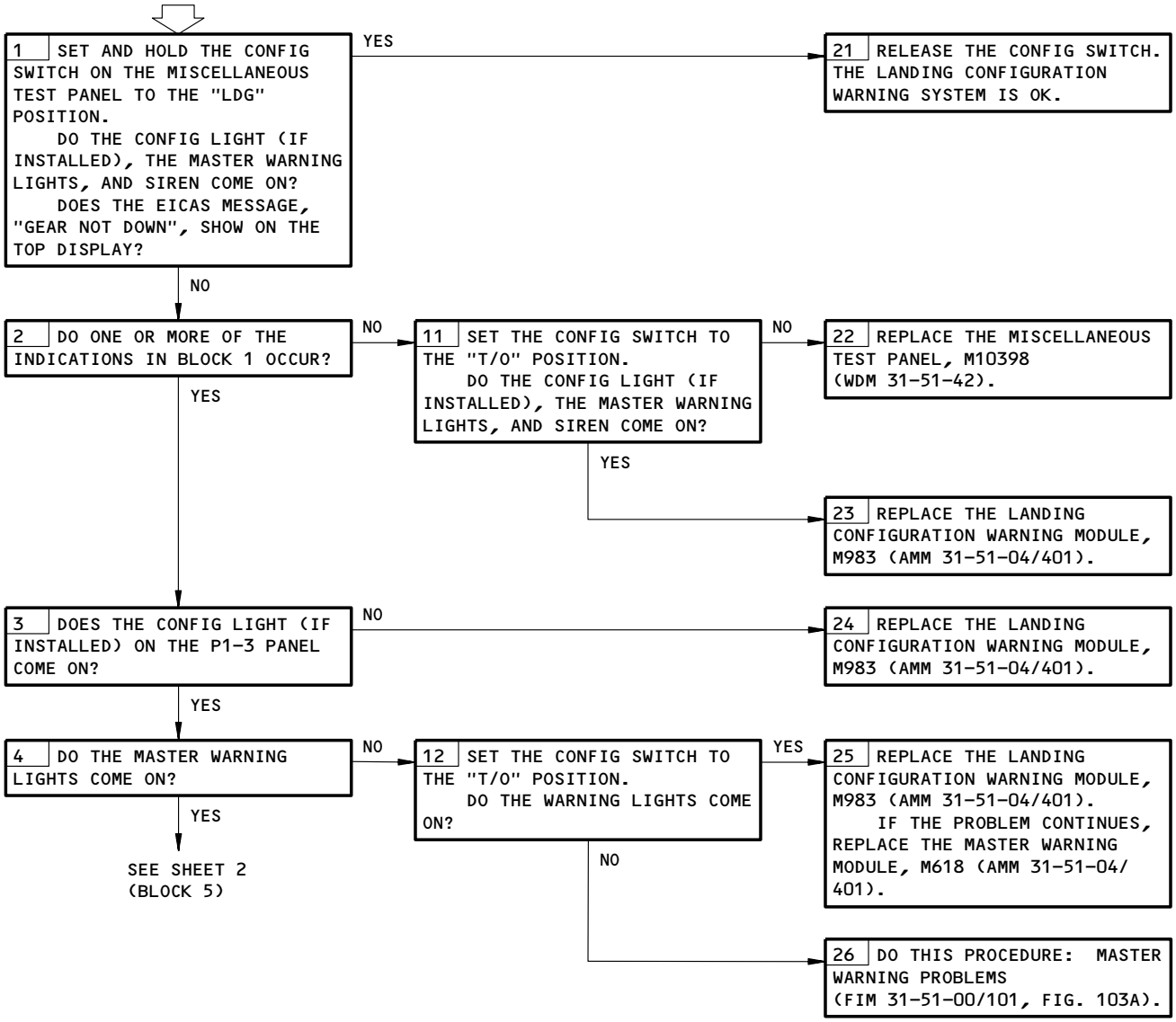
PREREQUISITES

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, 11J34, 11R29, 11U23, OR 11U24

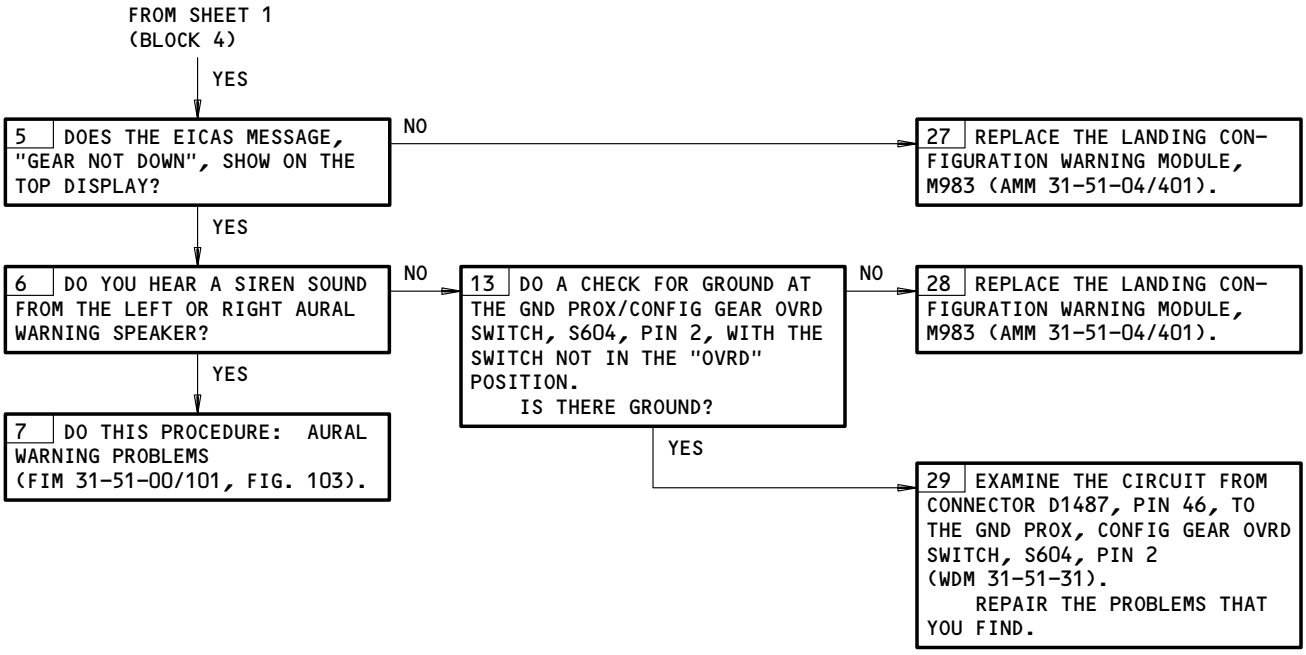
MAKE SURE THE AIRPLANE IS IN THIS CONFIGURATION:
ELECTRICAL POWER IS ON (AMM 24-22-00/201)
THE PARKING BRAKE IS SET TO THE ON POSITION
THE GND PROX/CONFIG GEAR OVRD SWITCH IS IN THE OFF POSITION

LANDING CONFIGURATION WARNING PROBLEMS



Landing Configuration Warning Problems
Figure 104 (Sheet 1)

K45186



Landing Configuration Warning Problems
Figure 104 (Sheet 2)

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)

MAKE SURE THESE CIRCUIT BREAKERS ARE CLOSED:
- 11B18,11J34

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

EICAS MESSAGE "WARN ELEX" DISPLAYED

1 ENERGIZE AND ALIGN THE IRUs (AMM 34-21-00/501).
PUSH AND HOLD THE LEFT STALL WARNING SWITCH FOR 3 SECONDS ON THE MISCELLANEOUS TEST PANEL.
RELEASE THE LEFT STALL WARNING SWITCH.
DOES THE EICAS MESSAGE, "WARN ELEX", STILL SHOW ON THE BOTTOM DISPLAY?

NO → 41 THE WARNING SYSTEM IS OK.

YES ↓

2 PUSH AND HOLD THE RIGHT STALL WARNING SWITCH FOR 3 SECONDS ON THE MISCELLANEOUS TEST PANEL.
RELEASE THE RIGHT STALL WARNING SWITCH.
DOES THE EICAS MESSAGE, "WARN ELEX", STILL SHOW ON THE BOTTOM DISPLAY?

NO → 42 THE WARNING SYSTEM IS OK.

YES ↓

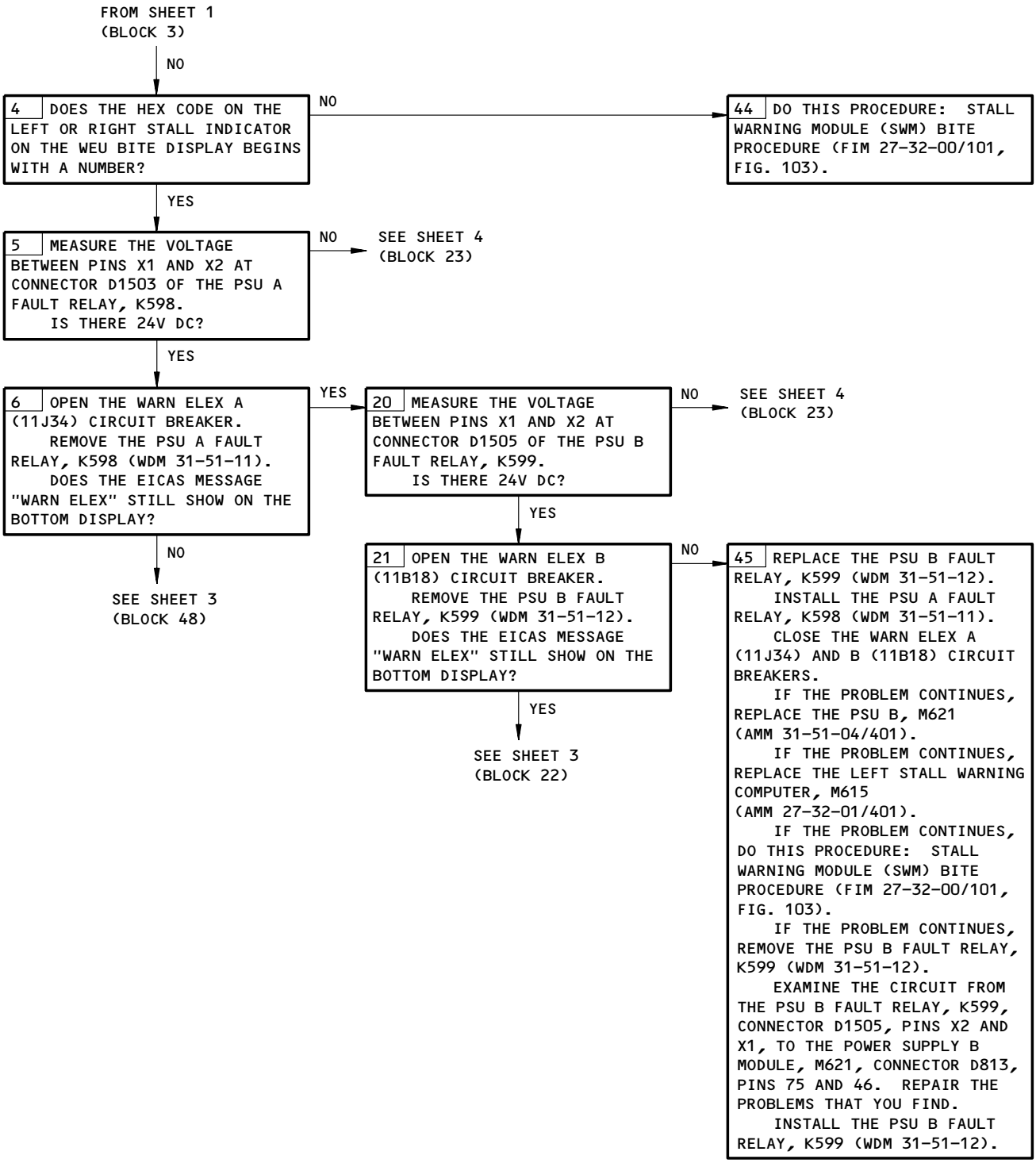
3 DOES EITHER THE POWER SUPPLY A, M616, OR POWER SUPPLY B, M621, FAULT INDICATOR ON THE WEU BITE MODULE SHOW YELLOW?

YES → 43 RESET THE POWER SUPPLY THAT SHOWS THE YELLOW FAULT INDICATOR (PSU A, M616, OR PSU B, M621).
IF THE PROBLEM CONTINUES, OPEN AND CLOSE THE APPLICABLE CIRCUIT BREAKER ON THE P11 PANEL, WARN ELEX A (11J34) OR B (11B18).
RESET THE POWER SUPPLY THAT SHOWS THE YELLOW FAULT INDICATOR (PSU A, M616, OR PSU B, M621).
IF THE PROBLEM CONTINUES, PUSH THE RESET SWITCH ON THE WEU BITE MODULE.
IF THE PROBLEM CONTINUES, REPLACE THE PSU THAT SHOWS THE FAULT INDICATOR (PSU A, M616, OR PSU B, M621 (AMM 31-51-04/401).
IF THE PROBLEM CONTINUES, GO TO BLOCK 23 ON SHEET 4.

NO ↓

SEE SHEET 2 (BLOCK 4)

EICAS Message WARN ELEX Displayed
Figure 105 (Sheet 1)



EICAS Message WARN ELEX Displayed
Figure 105 (Sheet 2)

FROM SHEET 2
(BLOCK 6)

NO

FROM SHEET 2
(BLOCK 21)

YES

22 DO THIS PROCEDURE: EICAS BITE PROCEDURE (FIM 31-41-00/101, FIG. 103).
IS THE EICAS OK?

NO

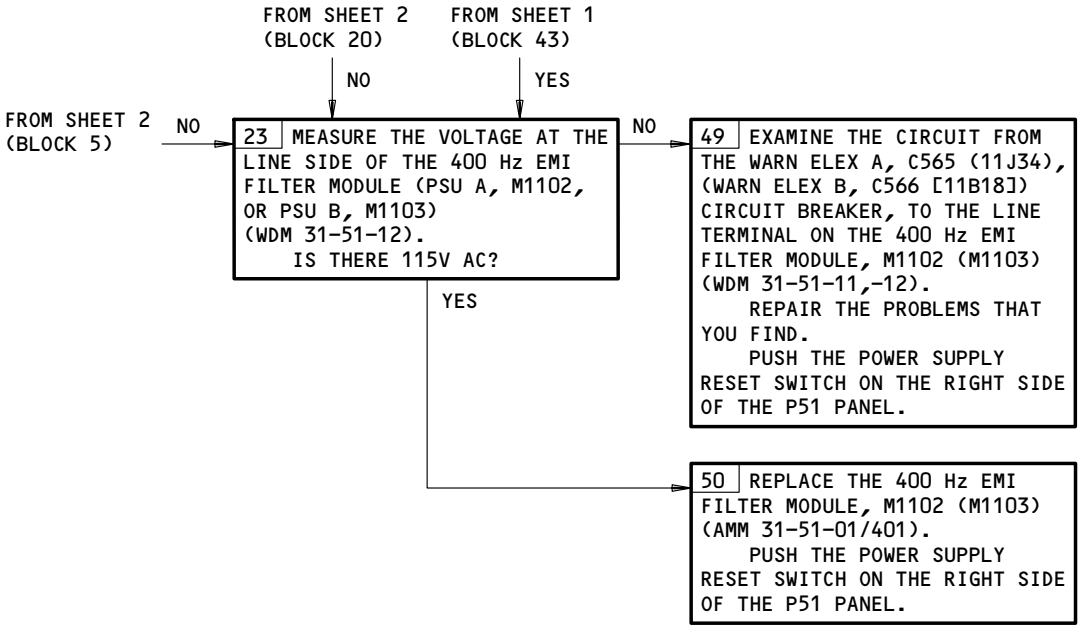
46 DO THE CORRECTIVE ACTION FROM THE EICAS BITE PROCEDURE.
INSTALL THE PSU A (B) FAULT RELAYS, K598 (K599).
CLOSE THE WARN ELEX A (11J34) AND B (11B18) CIRCUIT BREAKERS.
IF THE PROBLEM CONTINUES,

YES

47 REMOVE THE LEFT (RIGHT) EICAS COMPUTERS, M10181 (M10182)(AMM 31-41-02/401).
EXAMINE THE CIRCUIT FROM THE PSU A (B) FAULT RELAYS, K598 (K599), CONNECTORS D1503 (D1505), PIN A2, TO THE LEFT (RIGHT) EICAS COMPUTERS M10181 (M10182), CONNECTORS D881B (D883B), PIN C8 (WDM 31-51-11,-12).
REPAIR THE PROBLEMS THAT YOU FIND.
INSTALL THE LEFT (RIGHT) EICAS COMPUTERS, M10181 (M10182), AND THE PSU A (B) FAULT RELAYS, K598 (K599).
CLOSE THE WARN ELEX A (11J34) AND B (11B18) CIRCUIT BREAKERS.

48 REPLACE THE PSU A FAULT RELAY, K598 (WDM 31-51-11).
CLOSE THE WARN ELEX A (11J34) CIRCUIT BREAKER.
IF THE PROBLEM CONTINUES, REPLACE THE PSU A, M616 (AMM 31-51-04/401).
IF THE PROBLEM CONTINUES, REPLACE THE RIGHT STALL WARNING COMPUTER, M938 (AMM 27-32-01/401).
IF THE PROBLEM CONTINUES, DO THIS PROCEDURE: STALL WARNING MODULE (SWM) BITE PROCEDURE (FIM 27-32-00/101, FIG. 103).
IF THE PROBLEM CONTINUES, REMOVE THE PSU A FAULT RELAY, K598 (WDM 31-51-11).
EXAMINE THE CIRCUIT FROM THE PSU A FAULT RELAY, K598, CONNECTOR D1503, PINS X2 AND X1, TO THE POWER SUPPLY A MODULE, M616, CONNECTOR D811, PINS 75 AND 46.
REPAIR THE PROBLEMS THAT YOU FIND.
INSTALL THE PSU A FAULT RELAY, K598 (WDM 31-51-11).

EICAS Message WARN ELEX Displayed
Figure 105 (Sheet 3)



EICAS Message WARN ELEX Displayed
Figure 105 (Sheet 4)

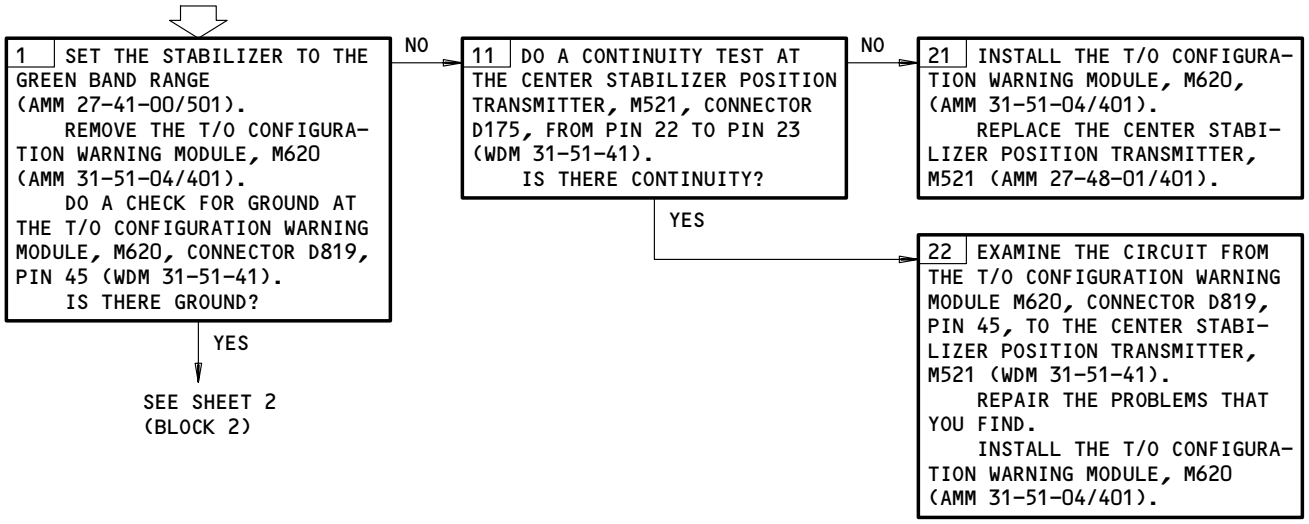
PREREQUISITES

MAKE SURE THIS SYSTEM WILL OPERATE:
HORIZONTAL STABILIZER TRIM CONTROL SYSTEM (AMM 27-41-00/501)

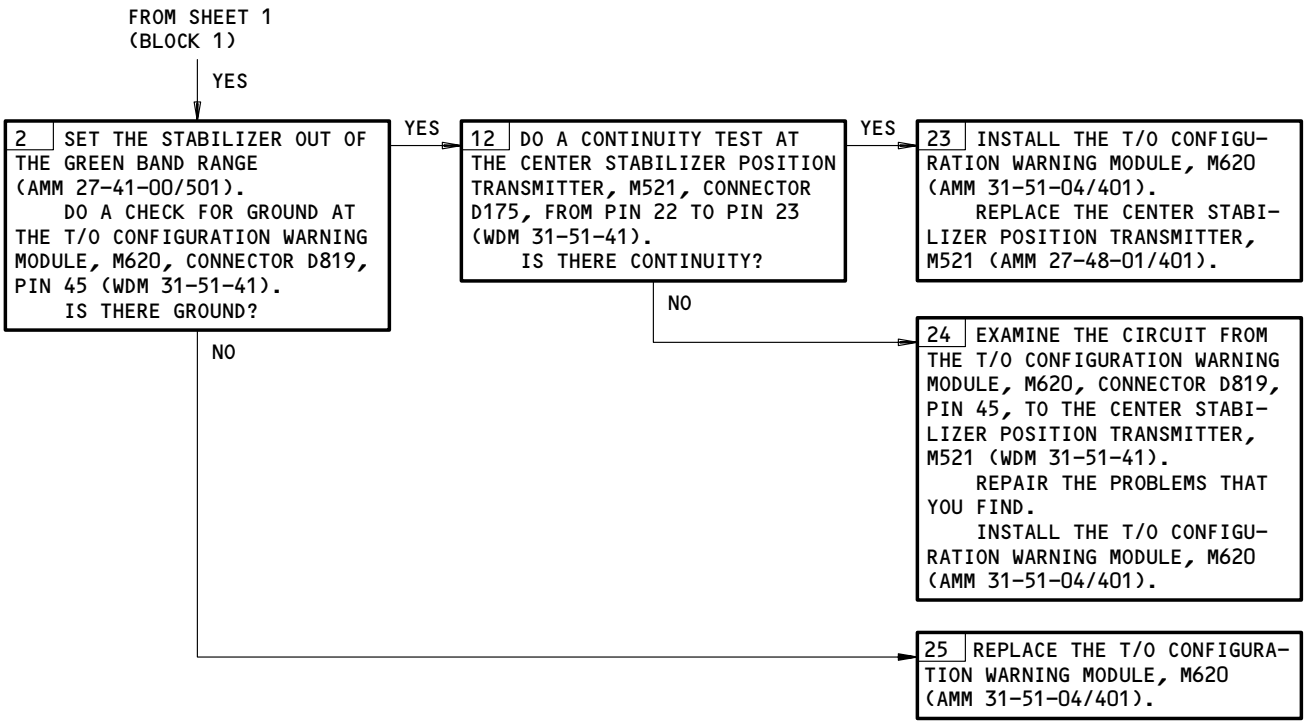
MAKE SURE THE AIRPLANE IS IN THIS CONFIGURATION:
ELECTRICAL POWER IS ON (AMM 24-22-00/201)
HYDRAULIC POWER IS ON (AMM 29-11-00/201)

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 STABILIZER PROBLEM



Takeoff Warning System STABILIZER Problem
Figure 106 (Sheet 1)



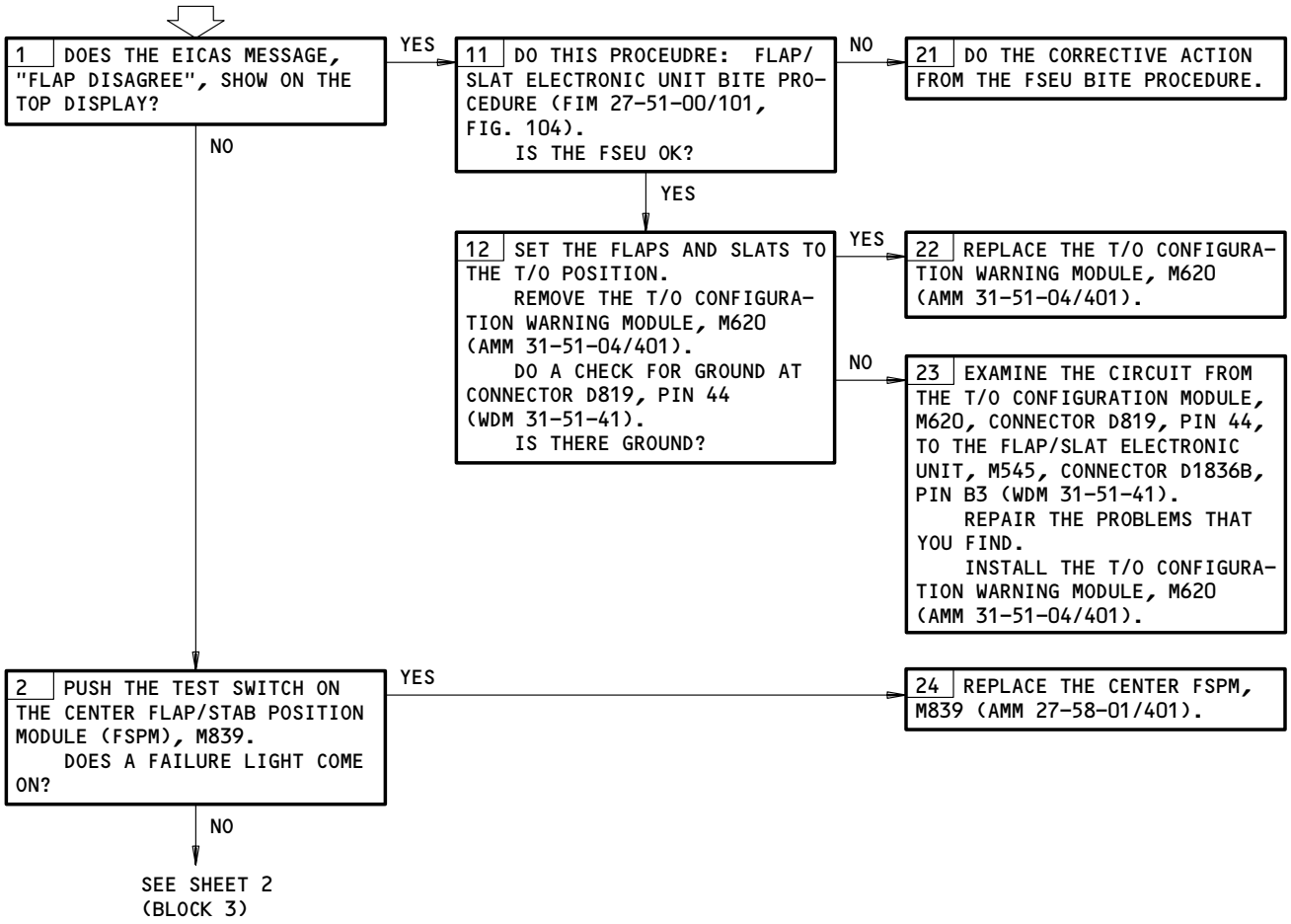
Takeoff Warning System STABILIZER Problem
Figure 106 (Sheet 2)

TAKEOFF WARNING SYSTEM FLAPS PROBLEM

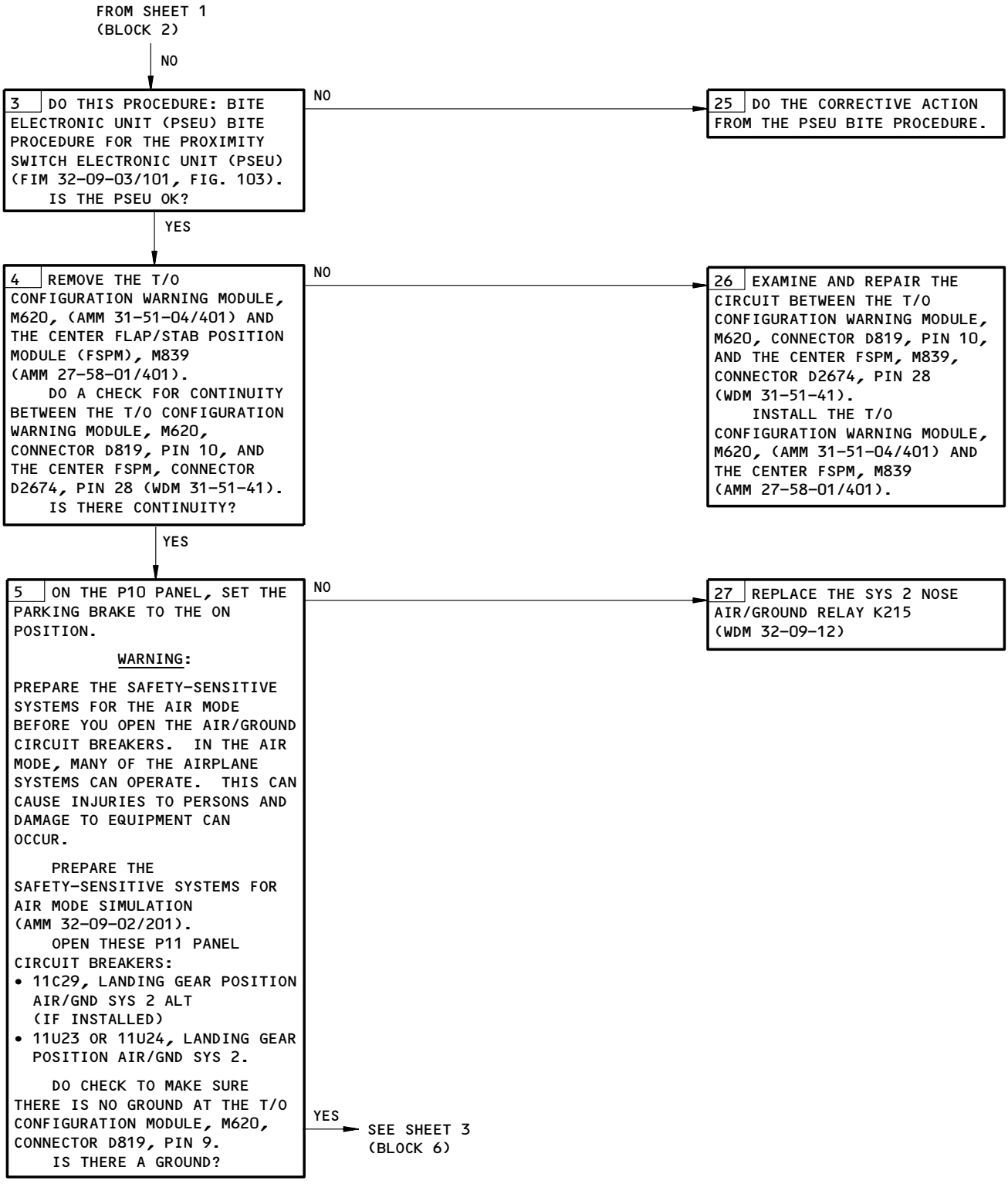
PREREQUISITES

MAKE SURE THESE SYSTEMS WILL OPERATE:
- TRAILING EDGE FLAP SYSTEM (AMM 27-51-00/501)
- PROXIMITY SWITCH SYSTEM (AMM 32-09-03/501)
- EICAS (AMM 31-41-00/201)

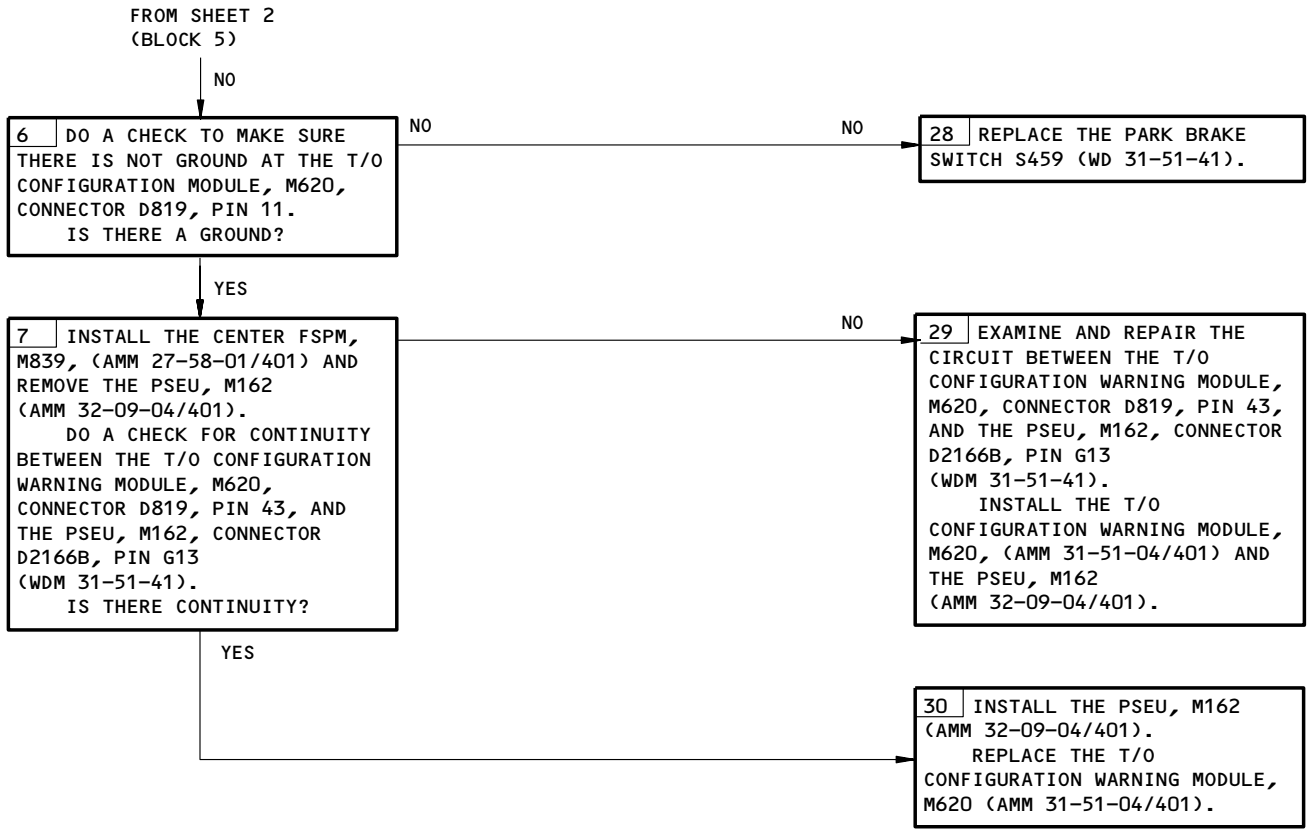
MAKE SURE THE AIRPLANE IS IN THIS CONFIGURATION:
- ELECTRICAL POWER IS ON (AMM 24-22-00/201)



Takeoff Warning System FLAPS Problem
Figure 107 (Sheet 1)



Takeoff Warning System FLAPS Problem
Figure 107 (Sheet 2)



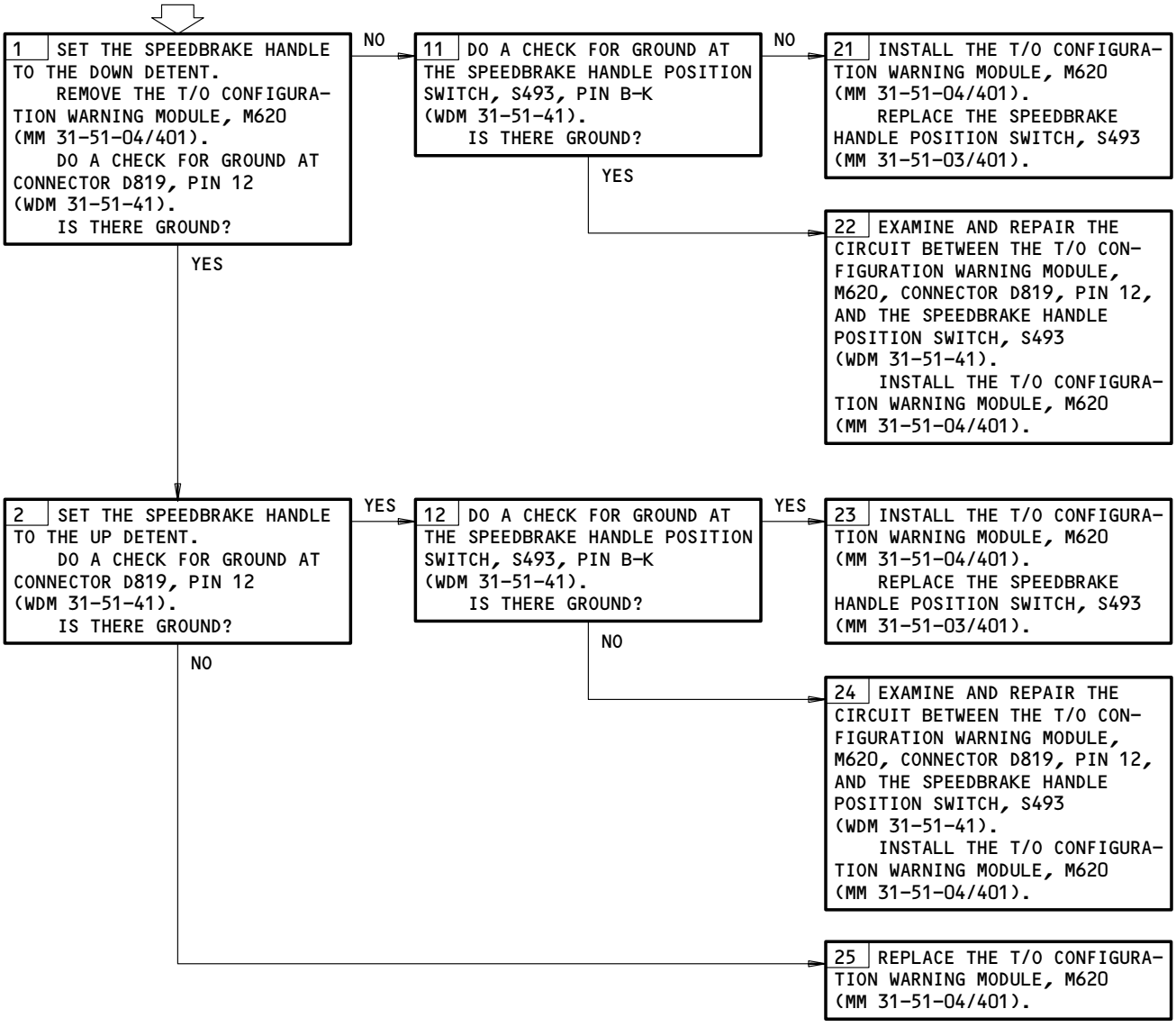
Takeoff Warning System FLAPS Problem
Figure 107 (Sheet 3)

PREREQUISITES

NONE

TAKEOFF WARNING SYSTEM SPOILER PROBLEM

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

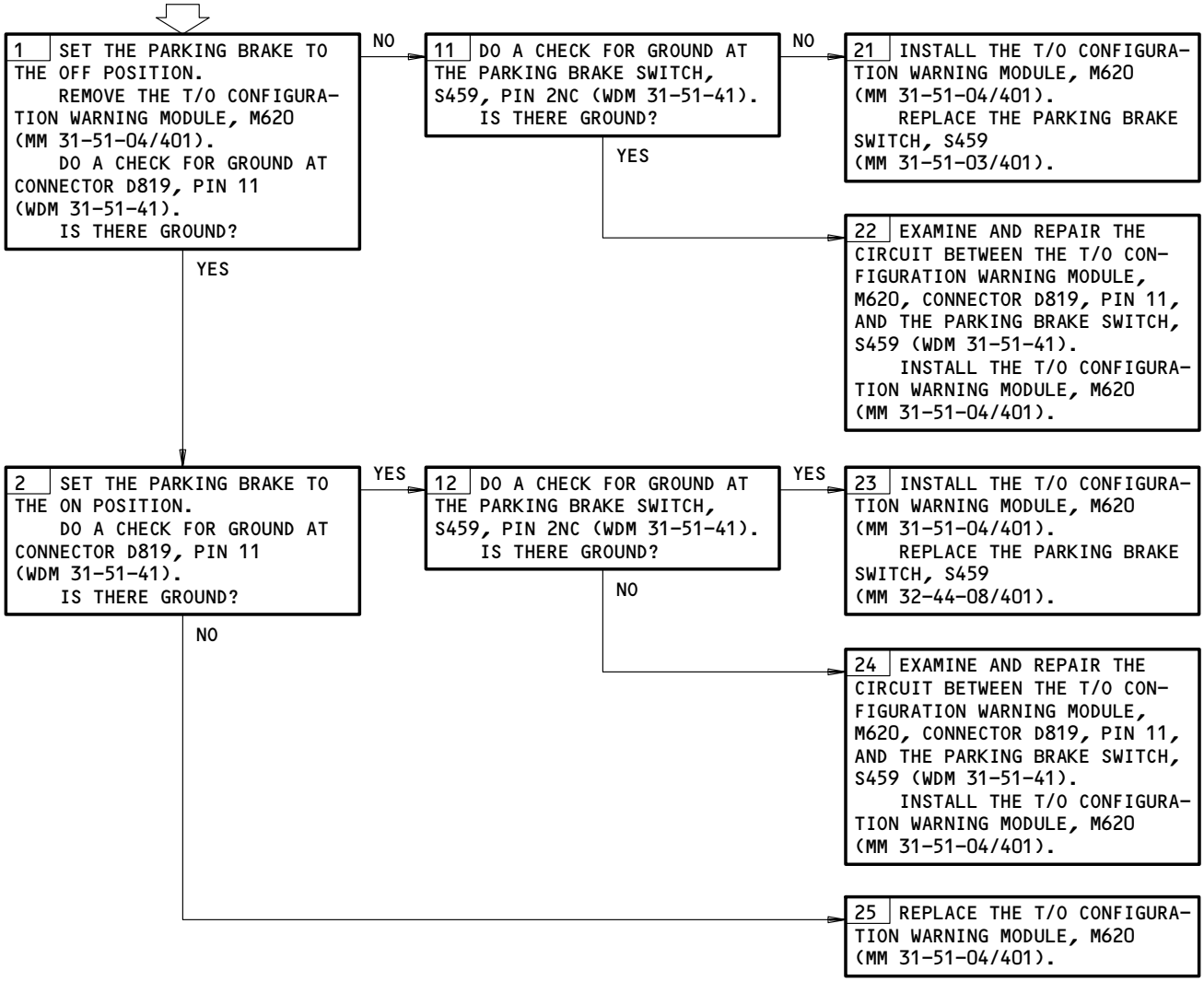


Takeoff Warning System SPOILER Problem
Figure 108

TAKEOFF WARNING SYSTEM PARKING BRAKE PROBLEM

PREREQUISITES

NONE



Takeoff Warning System PARKING BRAKE Problem
Figure 109

"CONFIG" LIGHT ILLUMINATED. EICAS MESSAGE "GEAR NOT DOWN" DISPLAYED. AIRPLANE IN FLIGHT ABOVE 800 FT. NOT IN LANDING CONFIGURATION.

PREREQUISITES

MAKE SURE THESE CIRCUIT BREAKERS ARE CLOSED:
11A35,11B16,11B18,11C14,11H35,11J34

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

1 DO THE RADIO ALTIMETER (R/A) BITE PROCEDURE (FIM 34-33-00/101, FIG. 104A).
IS THE LEFT R/A SYSTEM OK?

NO → 31 DO THE CORRECTIVE ACTION FROM THE R/A BITE PROCEDURE.

YES

2 DO THE FLAP/STABILIZER POSITION MODULE (FSPM) BITE PROCEDURE (FIM 27-58-00/101, FIG. 104).
IS THE CENTER FSPM SYSTEM OK?

NO → 32 DO THE CORRECTIVE ACTION FROM THE FSPM BITE PROCEDURE.

YES

3 MAKE SURE THE FLAPS ARE IN THE LANDING CONFIGURATION.
REMOVE THE LANDING CONFIGURATION MODULE, M983 (AMM 31-51-04/401).
DO A CHECK FOR GROUND AT CONNECTOR D1433, PIN 3 (WDM 31-51-42).
IS THERE GROUND?

NO → 33 EXAMINE THE CIRCUIT FROM THE LANDING CONFIGURATION MODULE, M983, CONNECTOR D1433, PIN 3, TO THE CENTER FSPM, M839, CONNECTOR D2674, PIN 29 (WDM 31-51-42).
REPAIR THE PROBLEMS THAT YOU FIND.
INSTALL THE LANDING CONFIGURATION MODULE, M983 (AMM 31-51-04/401).

YES → 34 REPLACE THE LANDING CONFIGURATION MODULE, M983 (AMM 31-51-04/401).

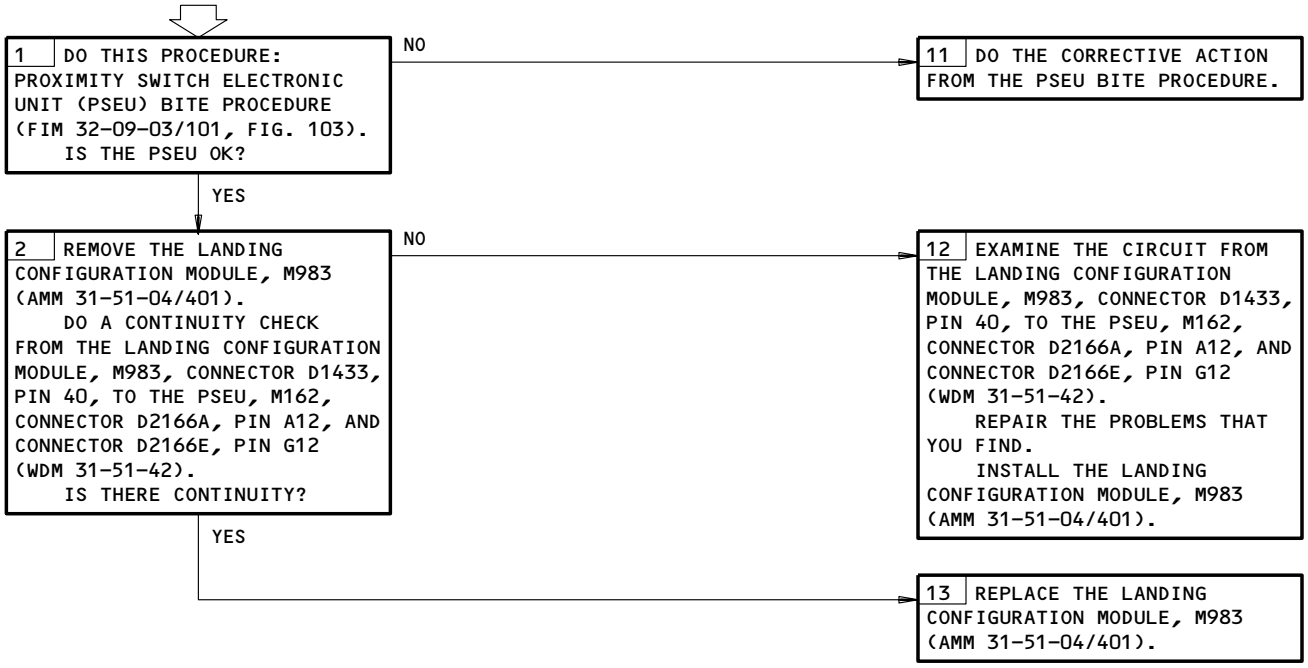
CONFIG Light Illuminated. EICAS Message GEAR NOT DOWN Displayed.
Airplane in Flight Above 800 Ft. Not in Landing Configuration.
Figure 109A

"CONFIG" LIGHT (IF INSTALLED) ILLUMINATED. EICAS MESSAGE "GEAR NOT DOWN" DISPLAYED. AIRPLANE IN FLIGHT, WITH GEAR DOWN FOR LANDING

PREREQUISITES

MAKE SURE THESE CIRCUIT BREAKERS ARE CLOSED:
11A33, 11A34, 11A35, 11B16, 11B18, 11C14, 11H35, 11J34, 11R29, 11U23, OR 11U24

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



CONFIG Light (If Installed) Illuminated. EICAS Message GEAR NOT DOWN Displayed.
Airplane In Flight with Gear Down for Landing
Figure 109B

SPEEDBRAKES LANDING CONFIGURATION WARNING PROBLEMS

PREREQUISITES

MAKE SURE THESE CIRCUIT BREAKERS ARE CLOSED:
11A35,11B16,11B18,11F5,11J34,11H35

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

1	REPLACE THE LANDING CONFIGURATION WARNING MODULE, M983 (AMM 31-51-04/401). IF THE PROBLEM CONTINUES, GO TO FIM 27-61-00/101, FIG. 103.

Speedbrakes Landing Configuration Warning Problems
Figure 109C