GPA Group plc

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180K	JAN 20/08	02
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CHAPTER 31 - INDICATING/RECORDING

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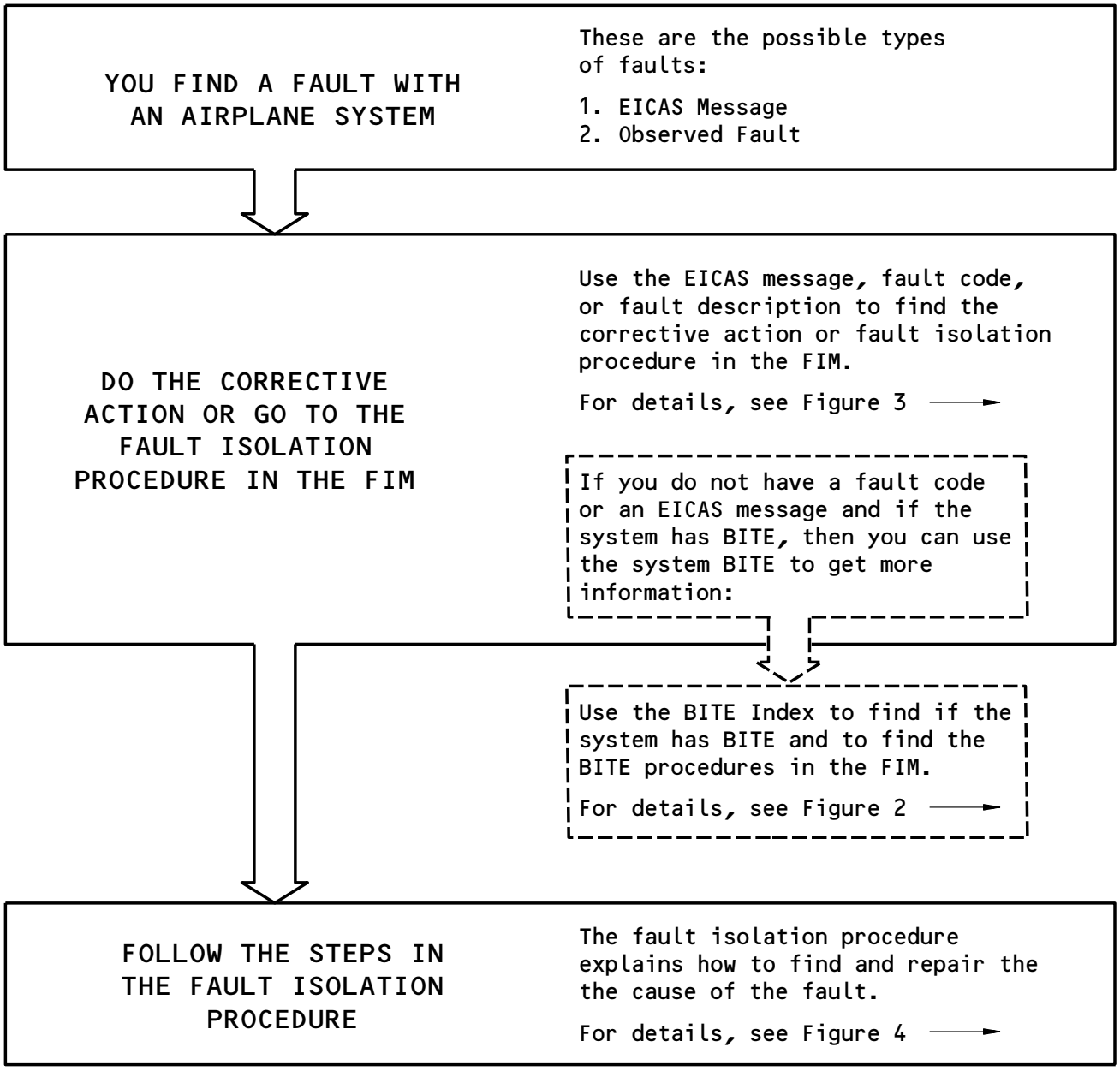
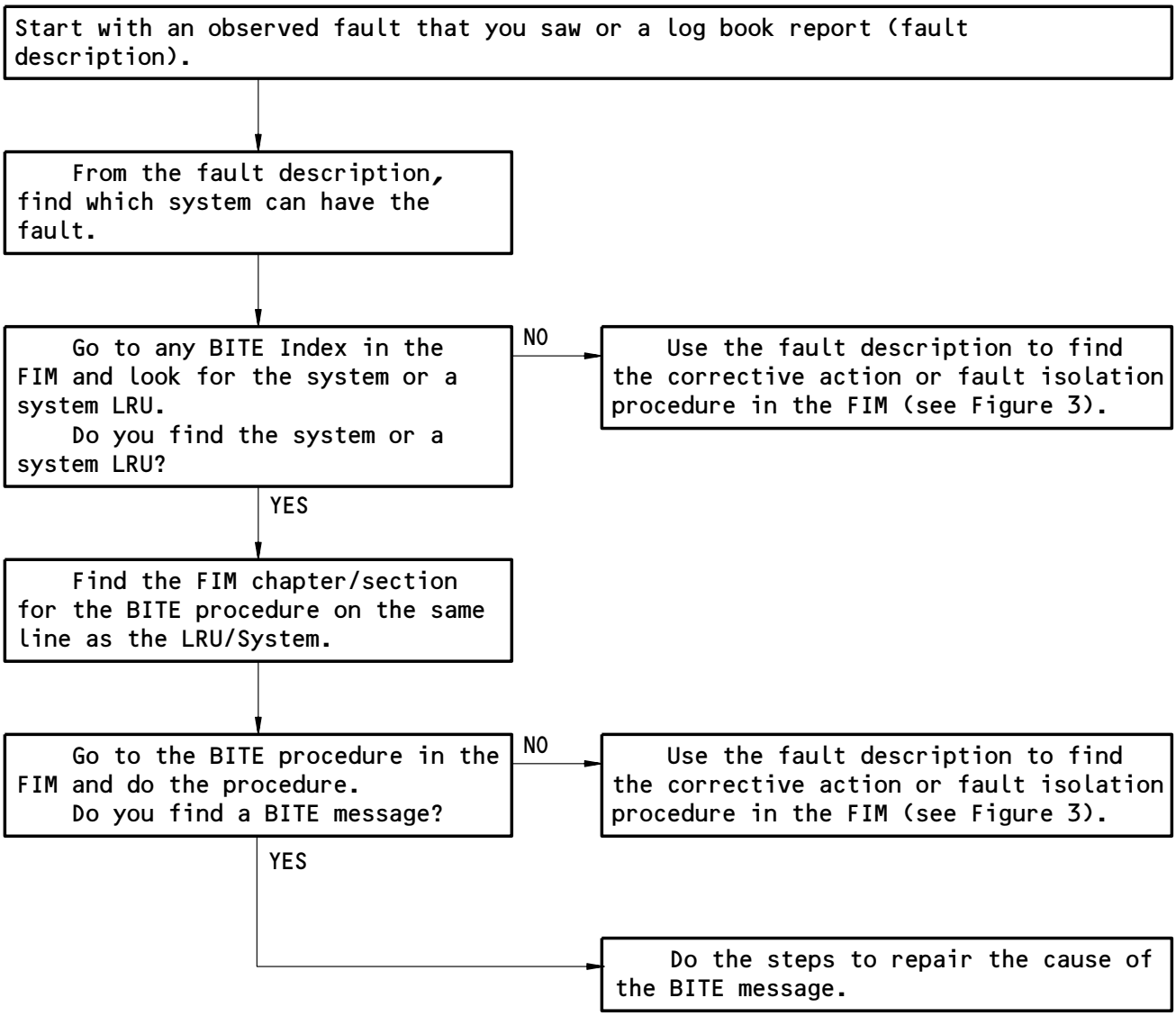


Basic Fault Isolation Process
Figure 1



How to Get Fault Information from BITE
Figure 2

H54388

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

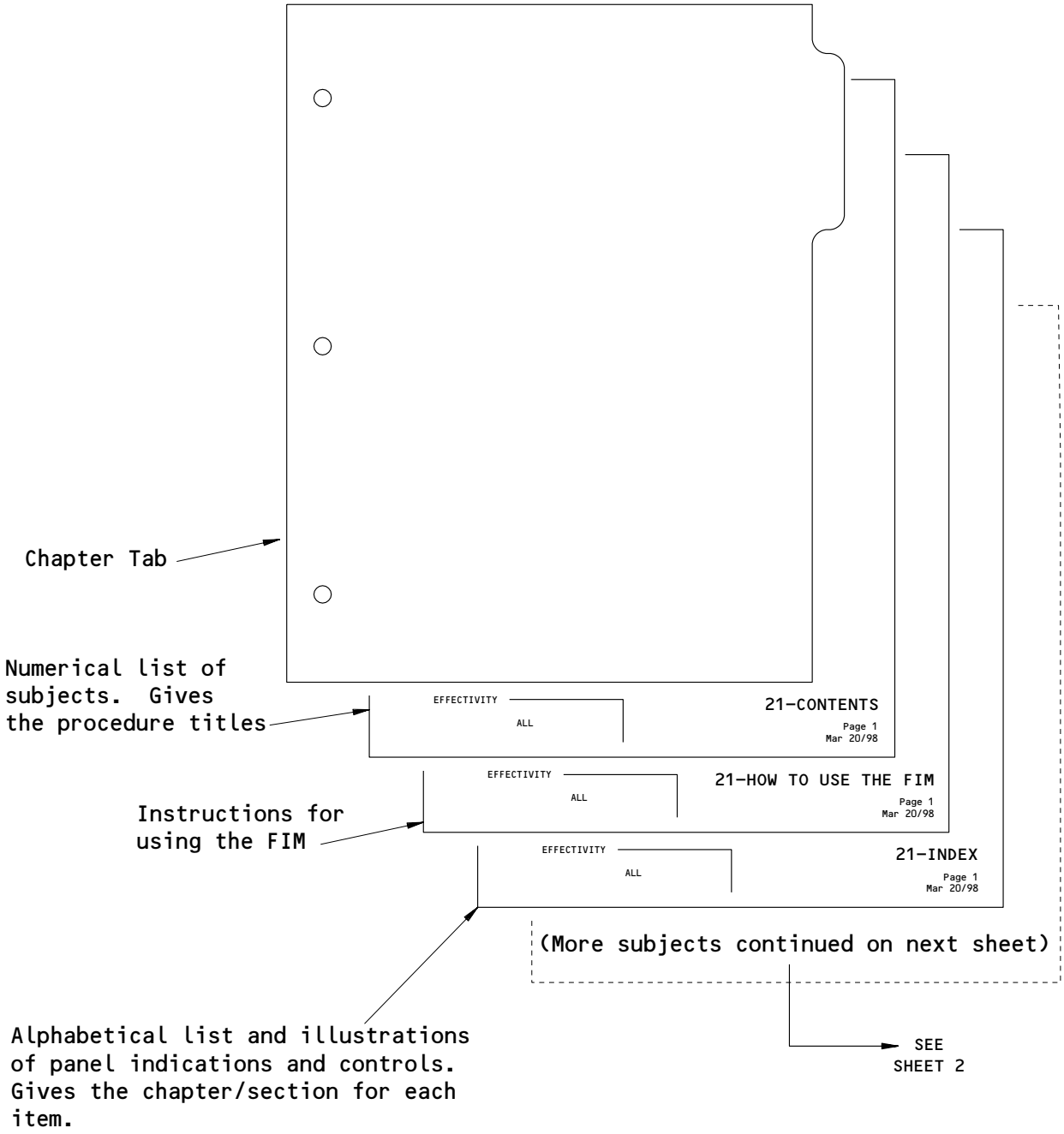
PREREQUISITES

- 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

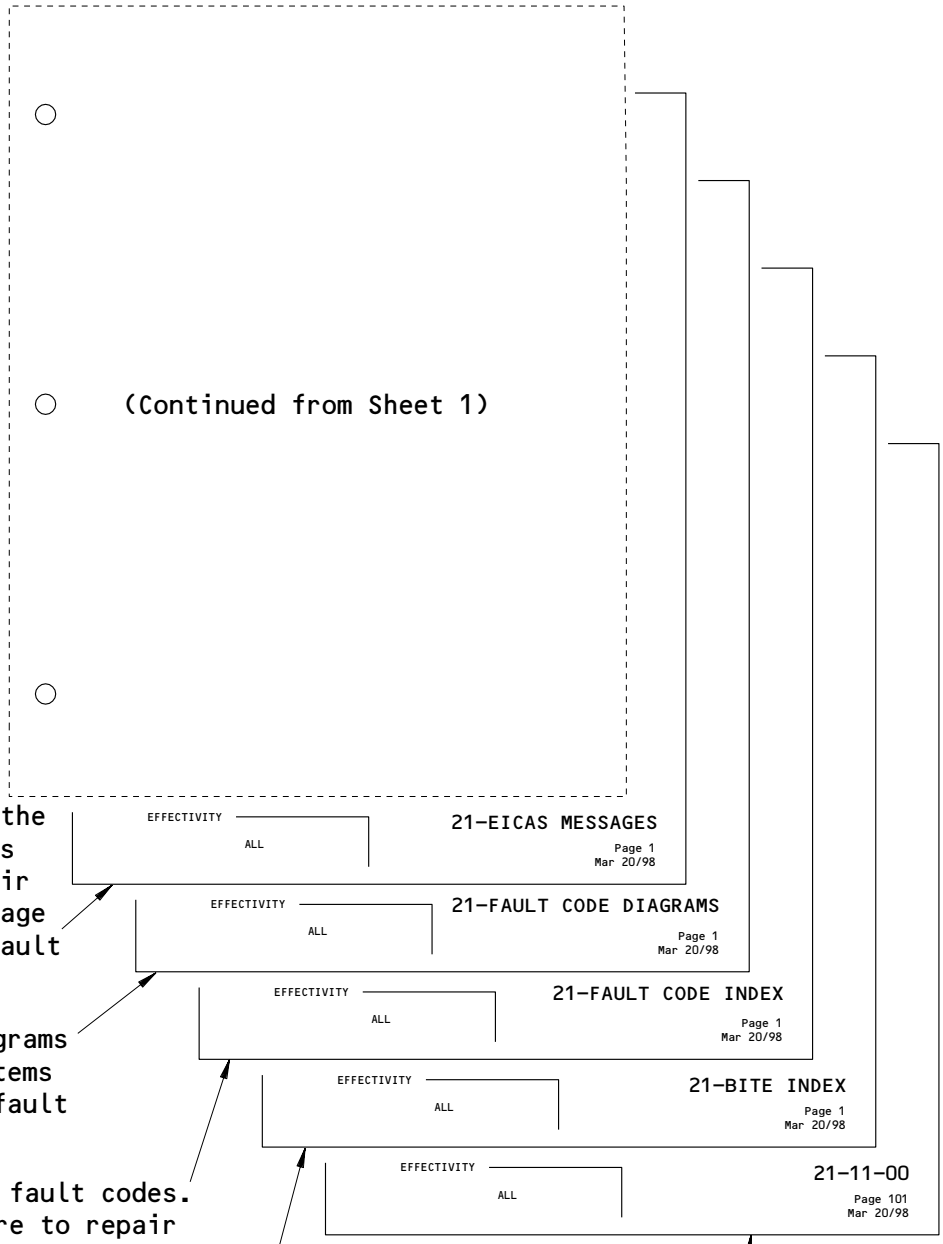


Subjects in Each FIM Chapter
Figure 5 (Sheet 1)

EFFECTIVITY
ALL

31-HOW TO USE THE FIM

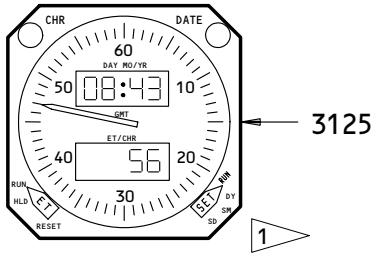
H54392



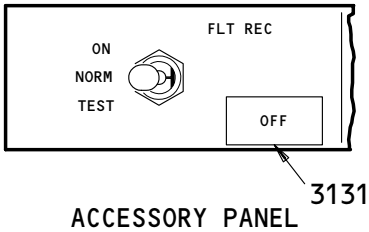
Subjects in Each FIM Chapter
Figure 5 (Sheet 2)

1 IF INSTALLED

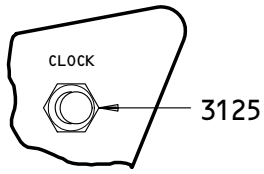
INDICATING/RECORDING SYSTEMS – INDEX
Figure 1 (Sheet 1)



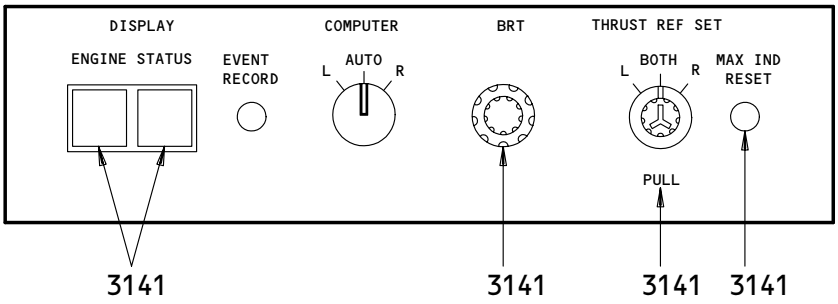
PILOTS' PANELS



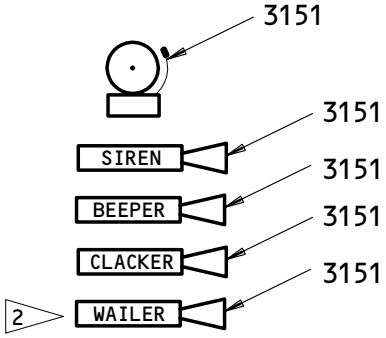
ACCESSORY PANEL



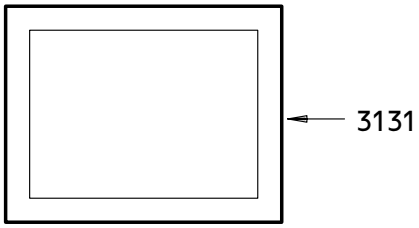
PILOTS' LGTS
CONT PANEL

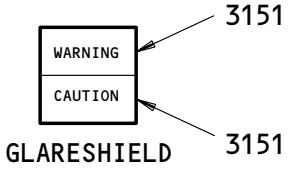


FWD ELECTRONIC PANEL

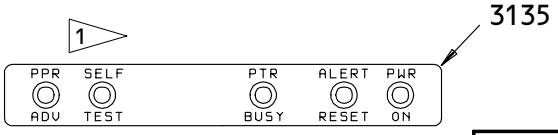


FLIGHT DECK

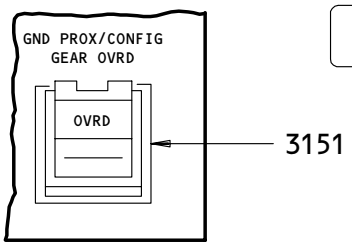


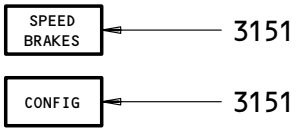


GLARESHIELD

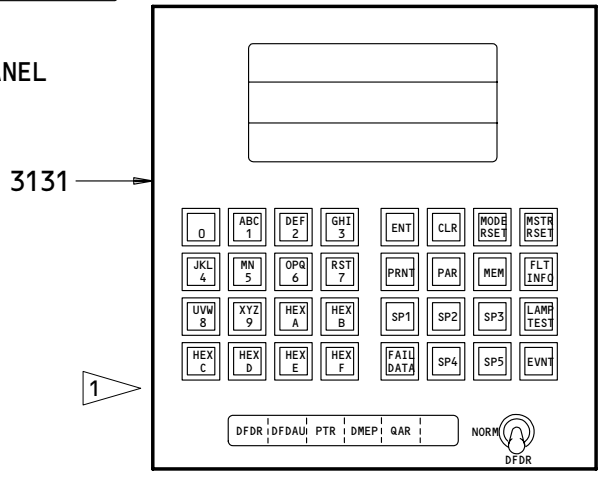


AFT ELECTRONIC PANEL





PILOTS' CENTER PANEL



ACCESSORY PANEL

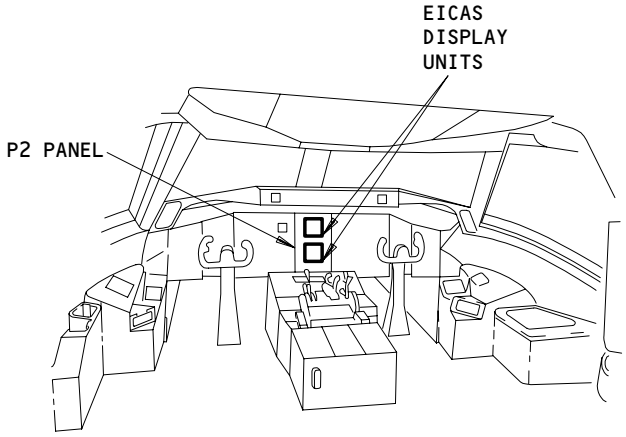
1 AS INSTALLED

2 IF INSTALLED

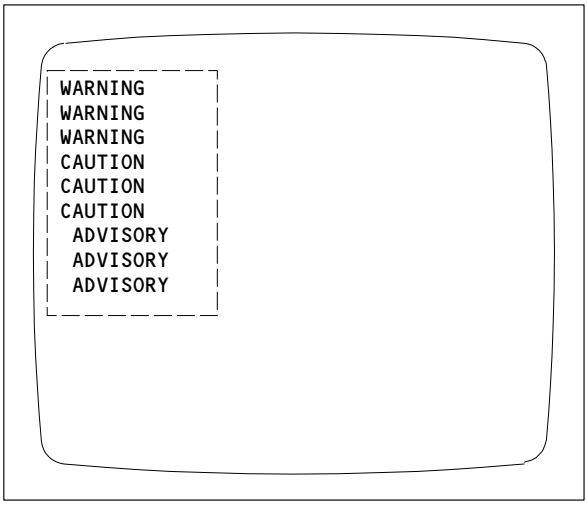
INDICATING/RECORDING SYSTEMS - INDEX
Figure 1 (Sheet 2)

INDICATING/RECORDING - EICAS MESSAGE LIST

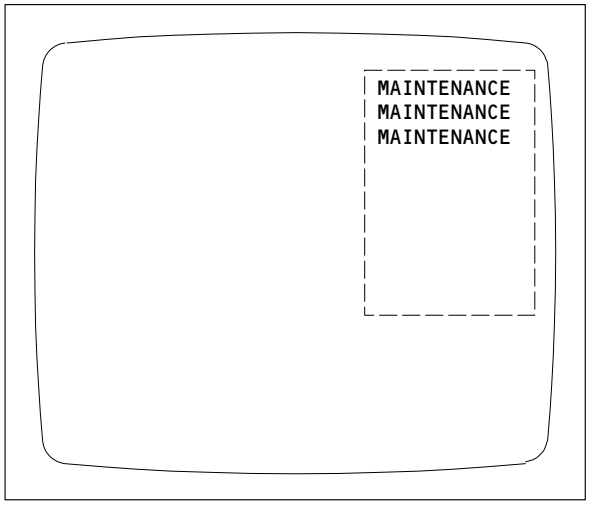
1. General
   A. This procedure shows the EICAS message locations and gives a list of procedures to find the solution for each message.
      (1) EICAS Message Locations (Fig. 1)
         (a) Figure 1 shows the location of the EICAS display units and the area where the messages show on the display units.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



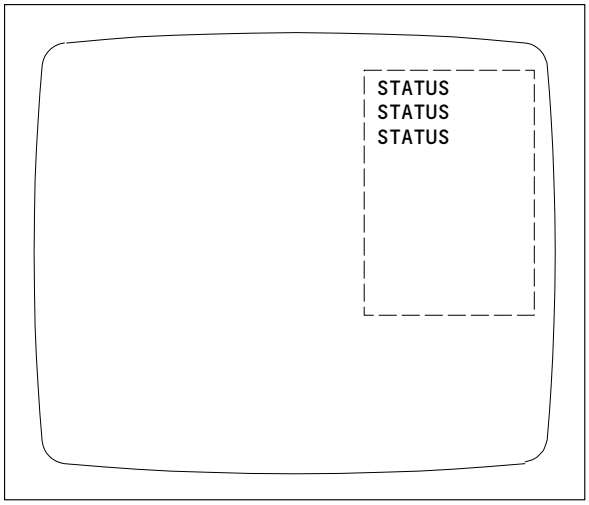
FLIGHT COMPARTMENT



ENGINE PRIMARY PAGE OR COMPACTED PAGE
(TOP DISPLAY UNIT)



ECS/MSG PAGE
(BOTTOM DISPLAY UNIT)



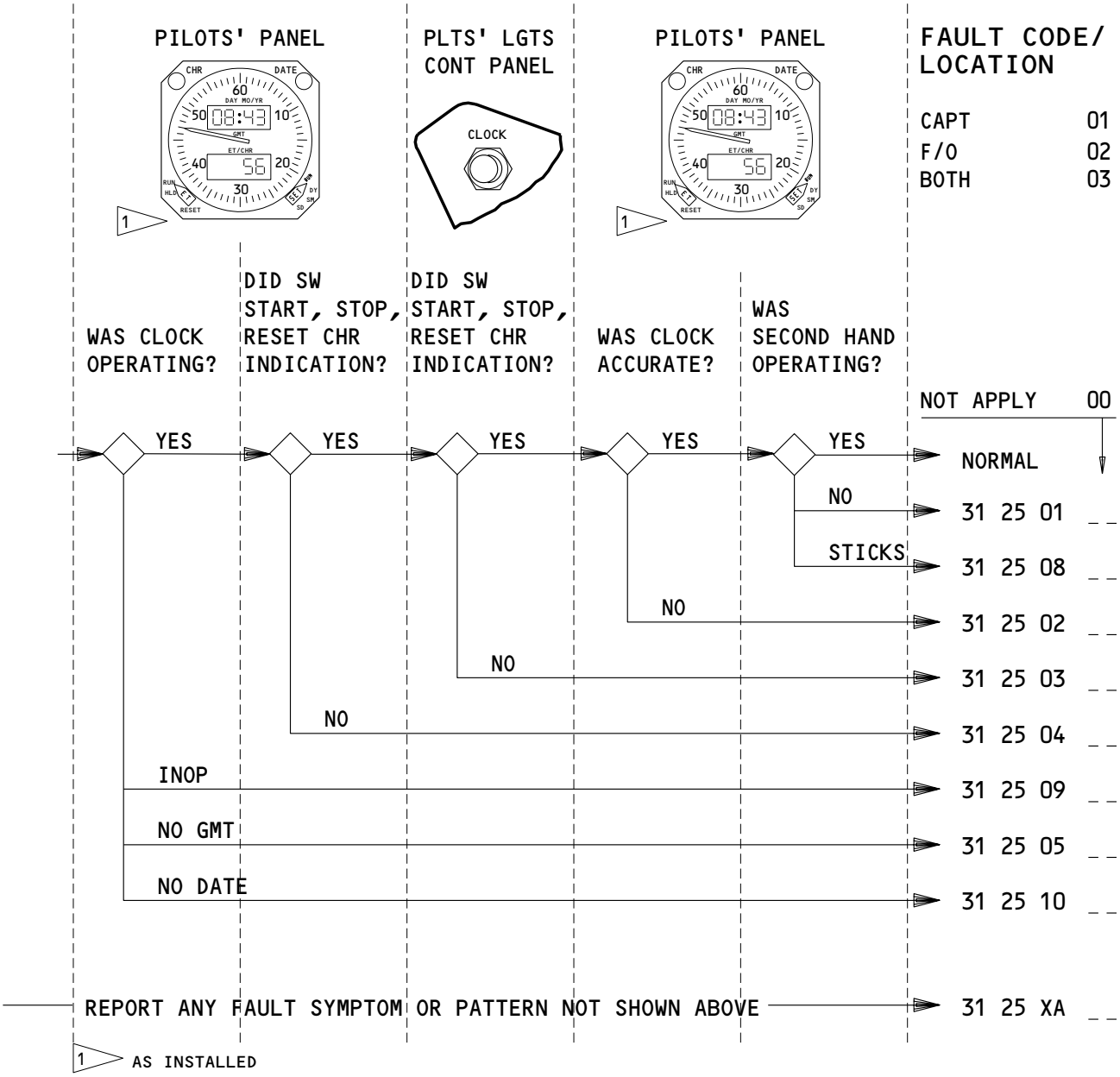
STATUS PAGE
(BOTTOM DISPLAY UNIT)

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

EICAS Message Locations
Figure 1

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

EICAS MESSAGE LIST		
EICAS MESSAGE	LEVEL	PROCEDURE
WARN ELEX	S,M	Push the WEU BITE Module RESET switch if a PSU failure indicator shows yellow. 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

6G2	L CLOCK TIME BASE	11B17	CLOCK IND LEFT
6G3	R CLOCK TIME BASE	11J9	CLOCK IND (L, LEFT)
		11J35	CLOCK IND (RIGHT, R)

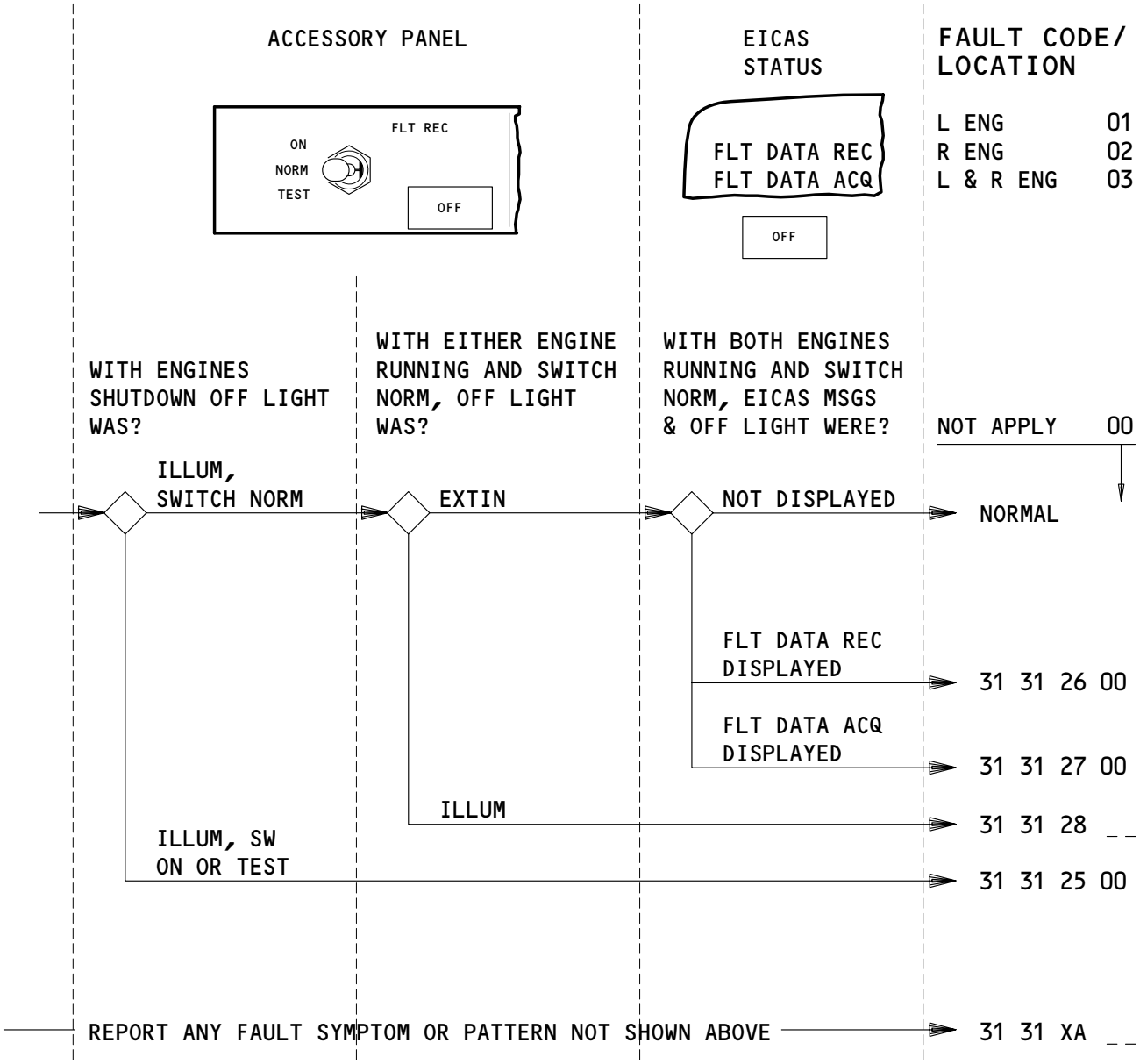
CLOCK – FAULT CODES

EFFECTIVITY

ALL

31-FAULT CODE DIAGRAM

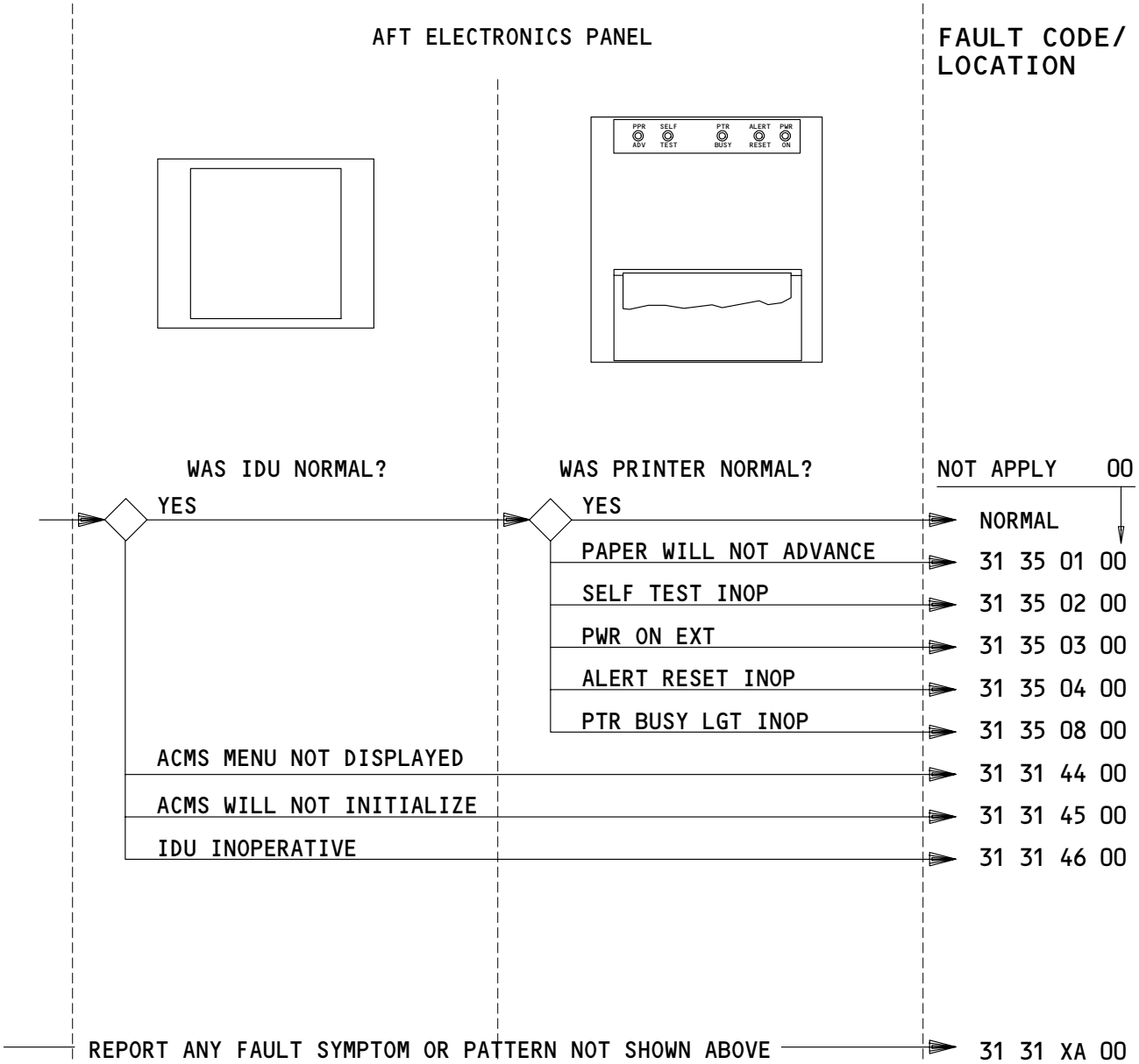
986951



APPLICABLE CIRCUIT BREAKERS

11J7	FLIGHT RECORDER AC
11J8	FLIGHT RECORDER DC

A47688



APPLICABLE CIRCUIT BREAKERS

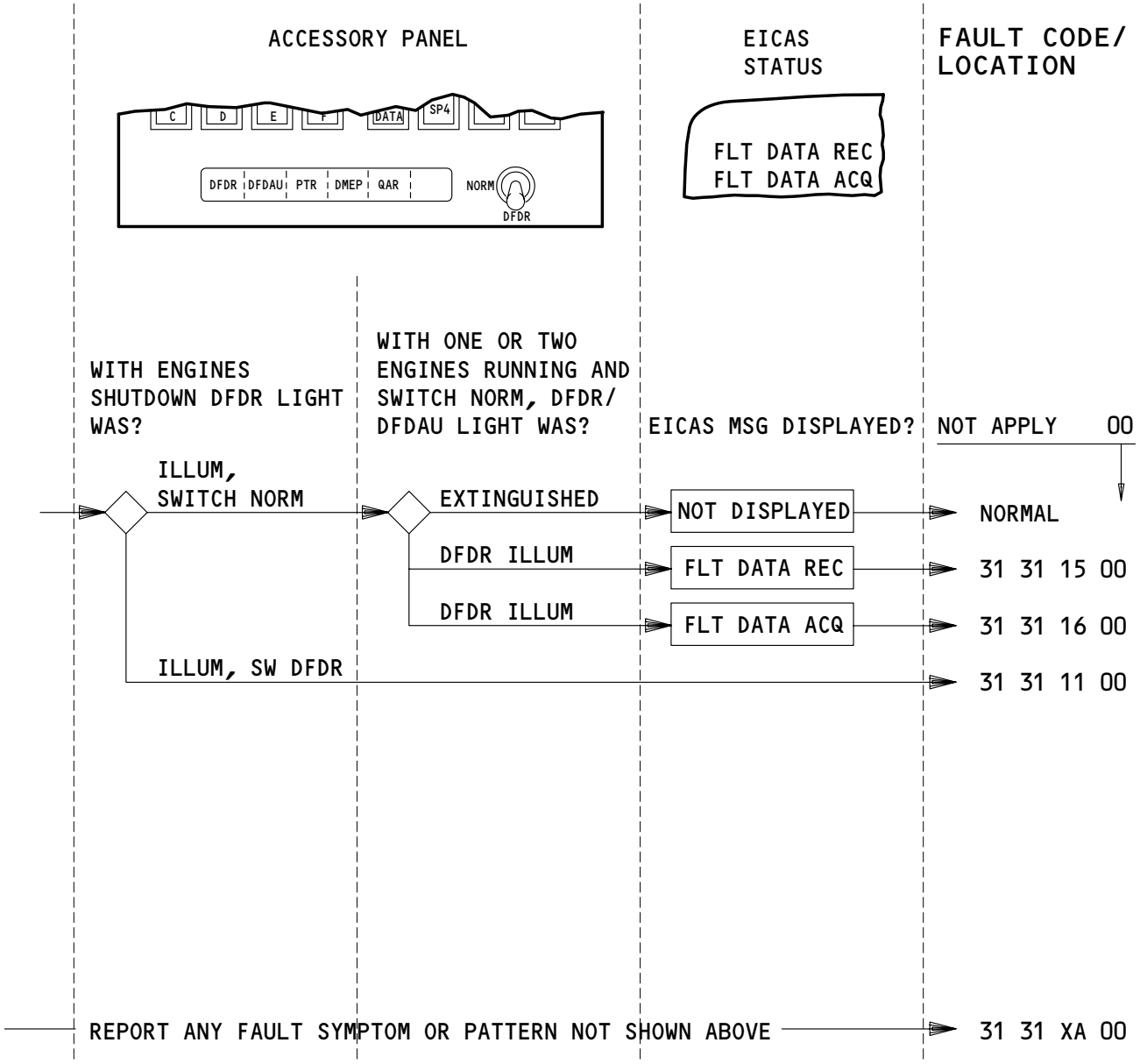
11J34	ACMS	11S1	AIDS SENSOR

ACMS – FAULT CODES

EFFECTIVITY
AIRPLANES WITH IDU

31-FAULT CODE DIAGRAM

A70188



APPLICABLE CIRCUIT BREAKERS

11J7	FLIGHT RECORDER AC
11J8	FLIGHT RECORDER DC

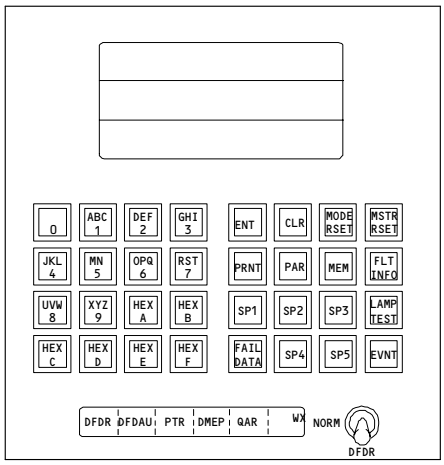
FLIGHT RECORDER – FAULT CODES

EFFECTIVITY
AIRPLANES WITH DMEP

31-FAULT CODE DIAGRAM

A70199

ACCESSORY PANEL



FAULT CODE/ LOCATION

WAS DMEP NORMAL?

NOT APPLY 00

YES → NORMAL

DISPLAY BLANK	31 31 31 00
DISPLAY MISSING SEGMENTS	31 31 32 00
KEYED DATA NOT DISPLAYED	31 31 33 00
DISPLAY WILL NOT CLEAR	31 31 34 00
KEYED DATA WILL NOT ENTER	31 31 35 00
DMEP FAIL ILLUM	31 31 08 00
PTR FAIL ILLUM	31 31 07 00
QAR FAIL ILLUM	31 31 09 00
LAMP TEST FAILURE 2	31 31 36 00

REPORT ANY FAULT SYMPTOM OR PATTERN NOT SHOWN ABOVE → 31 31 XA 00

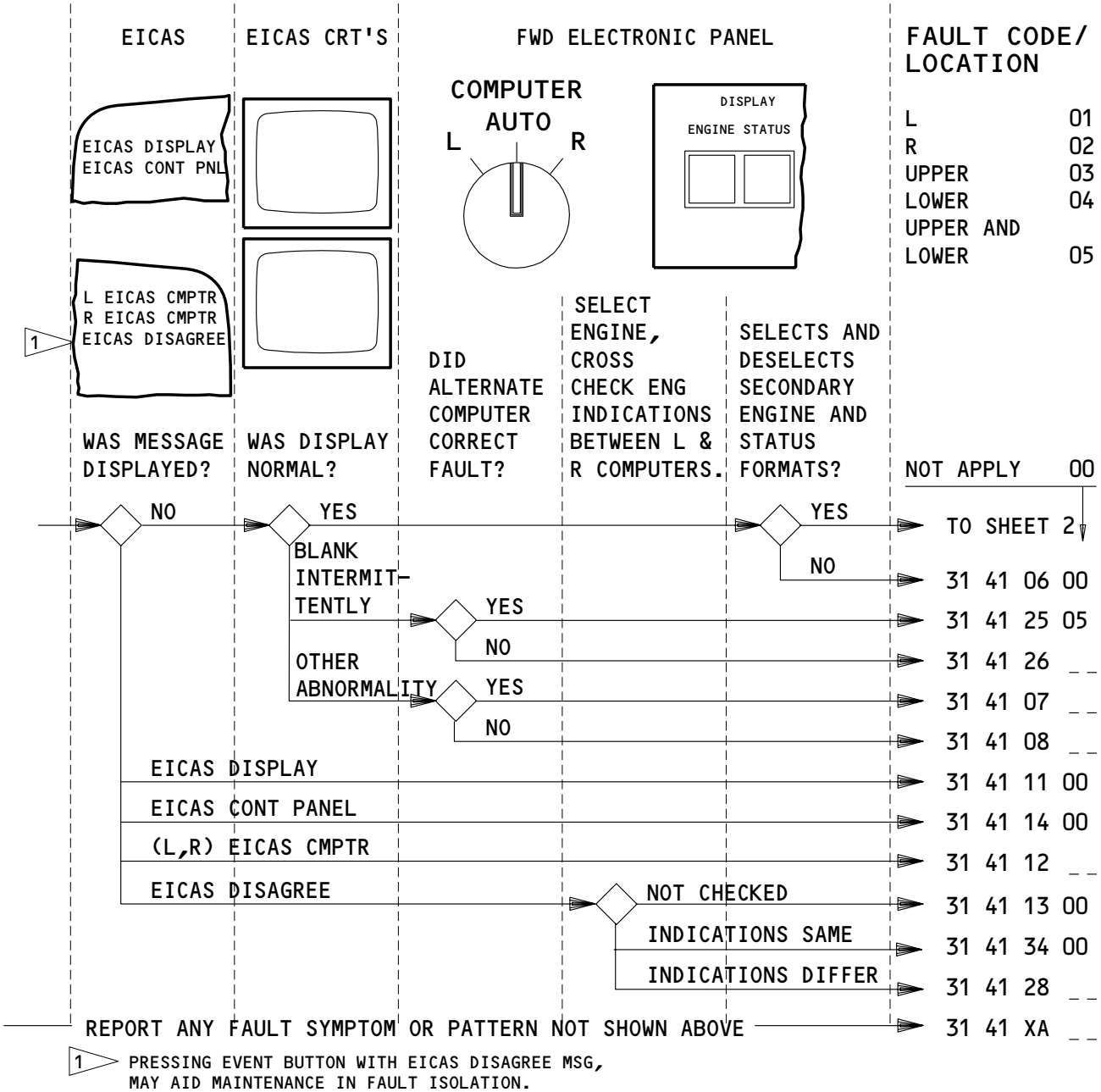
1 FAULT LGTS MAY BE TESTED WITH INDICATOR LIGHT TEST SWITCH.

2 IT MAY BE NECCESSARY TO DEPRESS LAMP TEST LGT TWICE FOR COMPLETE TEST.

APPLICABLE CIRCUIT BREAKERS

11P1	L IND LGTS 1

A70205

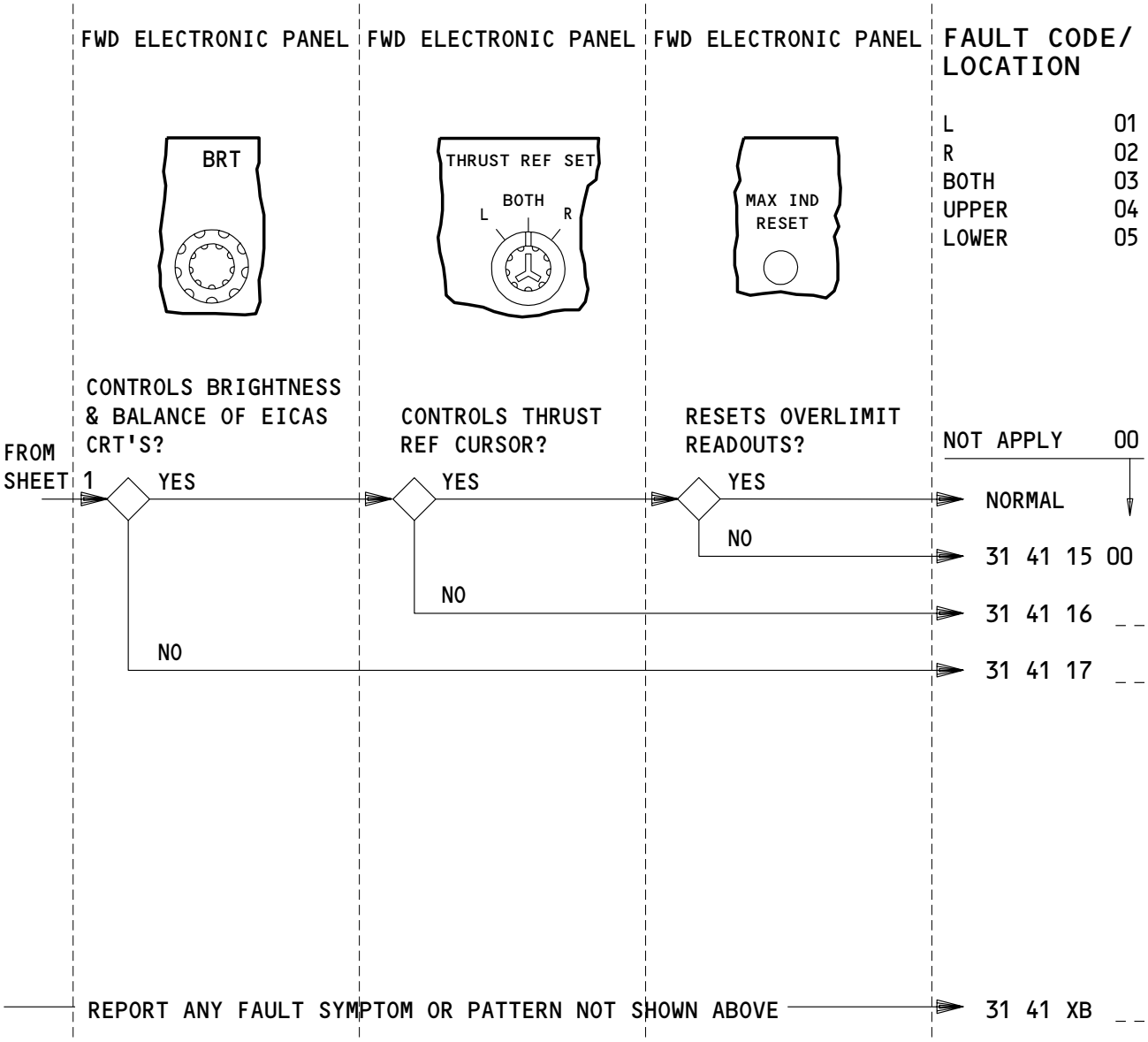


1 PRESSING EVENT BUTTON WITH EICAS DISAGREE MSG, MAY AID MAINTENANCE IN FAULT ISOLATION.

APPLICABLE CIRCUIT BREAKERS AS INSTALLED

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

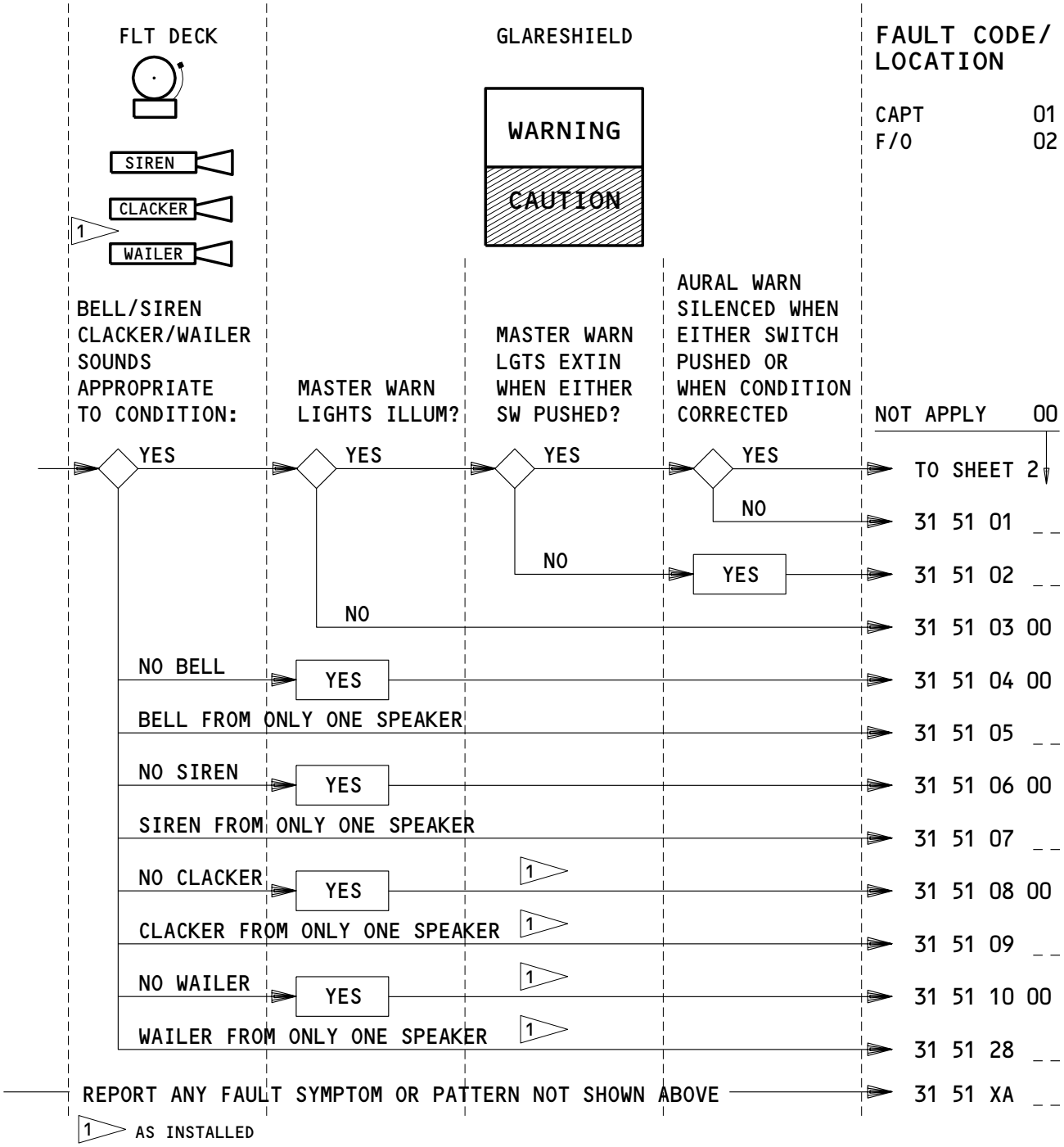
EICAS (SHEET 1) – FAULT CODES



APPLICABLE CIRCUIT BREAKERS

NONE

EICAS (SHEET 2) – FAULT CODES



APPLICABLE CIRCUIT BREAKERS AS INSTALLED

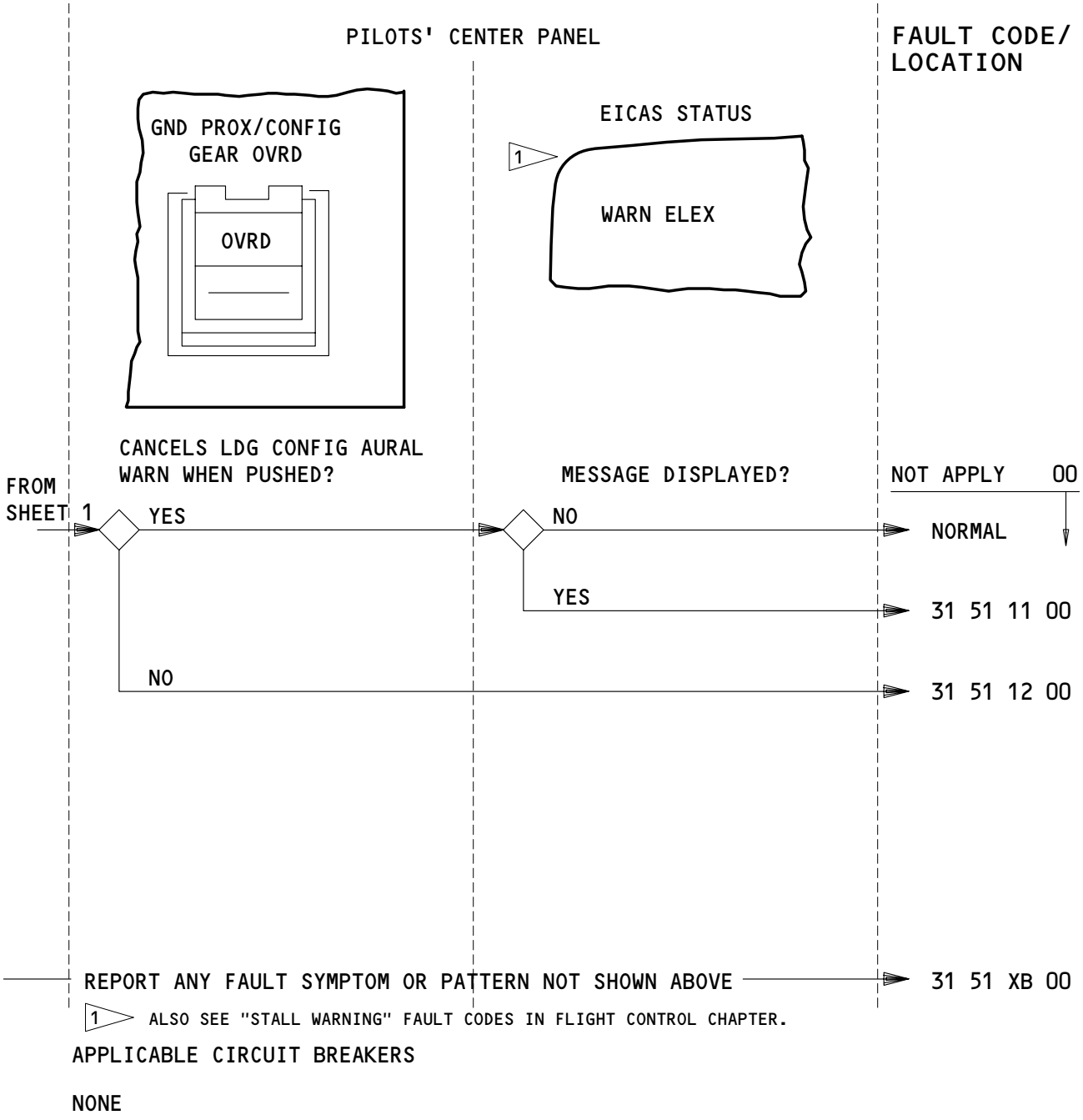
11B16	AURAL WARN SPKR (L, LEFT)	11H35	AURAL WARN SPKR (R, RIGHT)
11B18	WARN ELEX B	11J33	WARN ELEX A

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

EFFECTIVITY
ALL

31-FAULT CODE DIAGRAM

E09544



APPLICABLE CIRCUIT BREAKERS

NONE

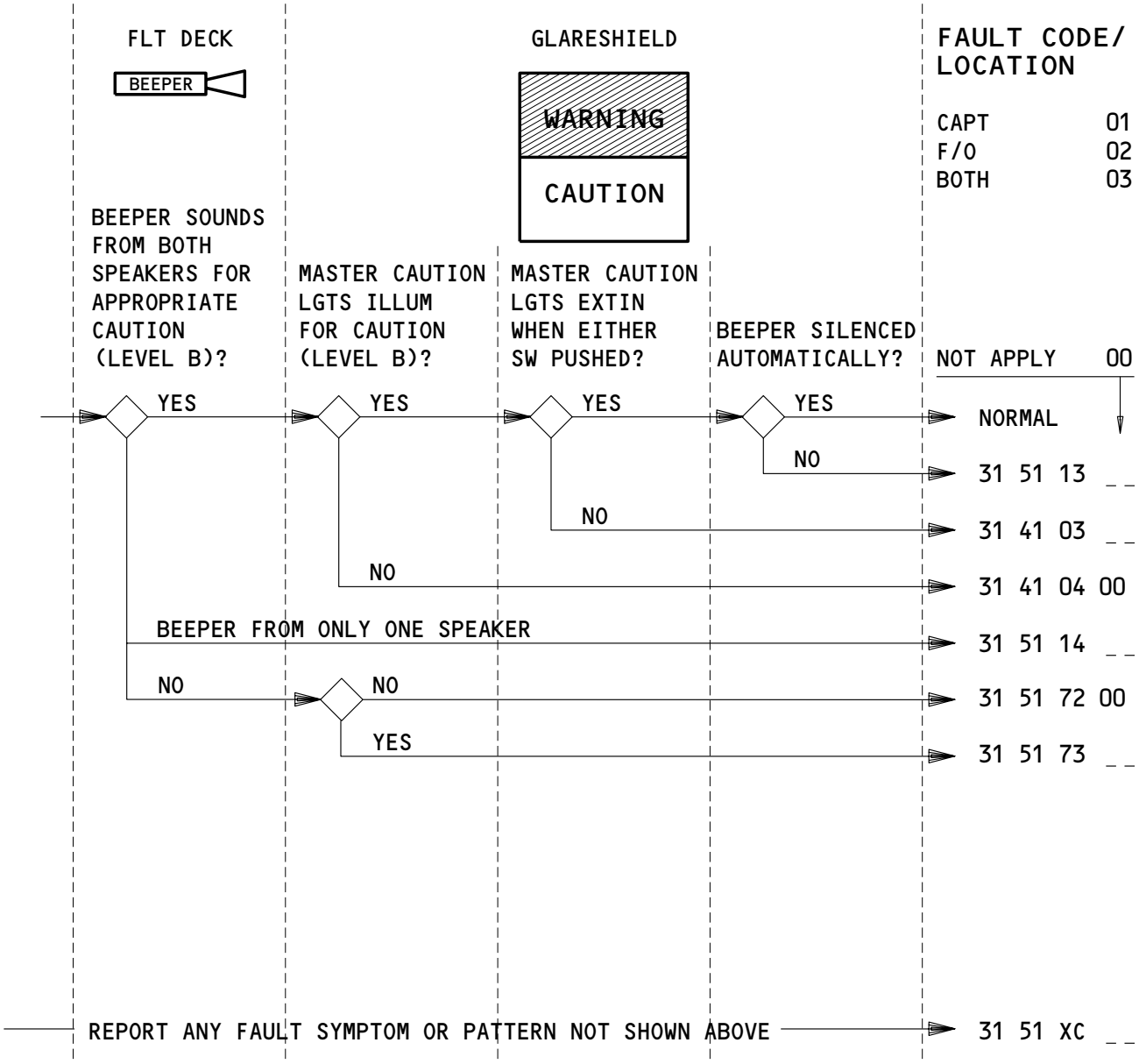
CAUTION & WARNING SYSTEM (WARNING SHEET 2) – FAULT CODES

EFFECTIVITY

ALL

31-FAULT CODE DIAGRAM

301830



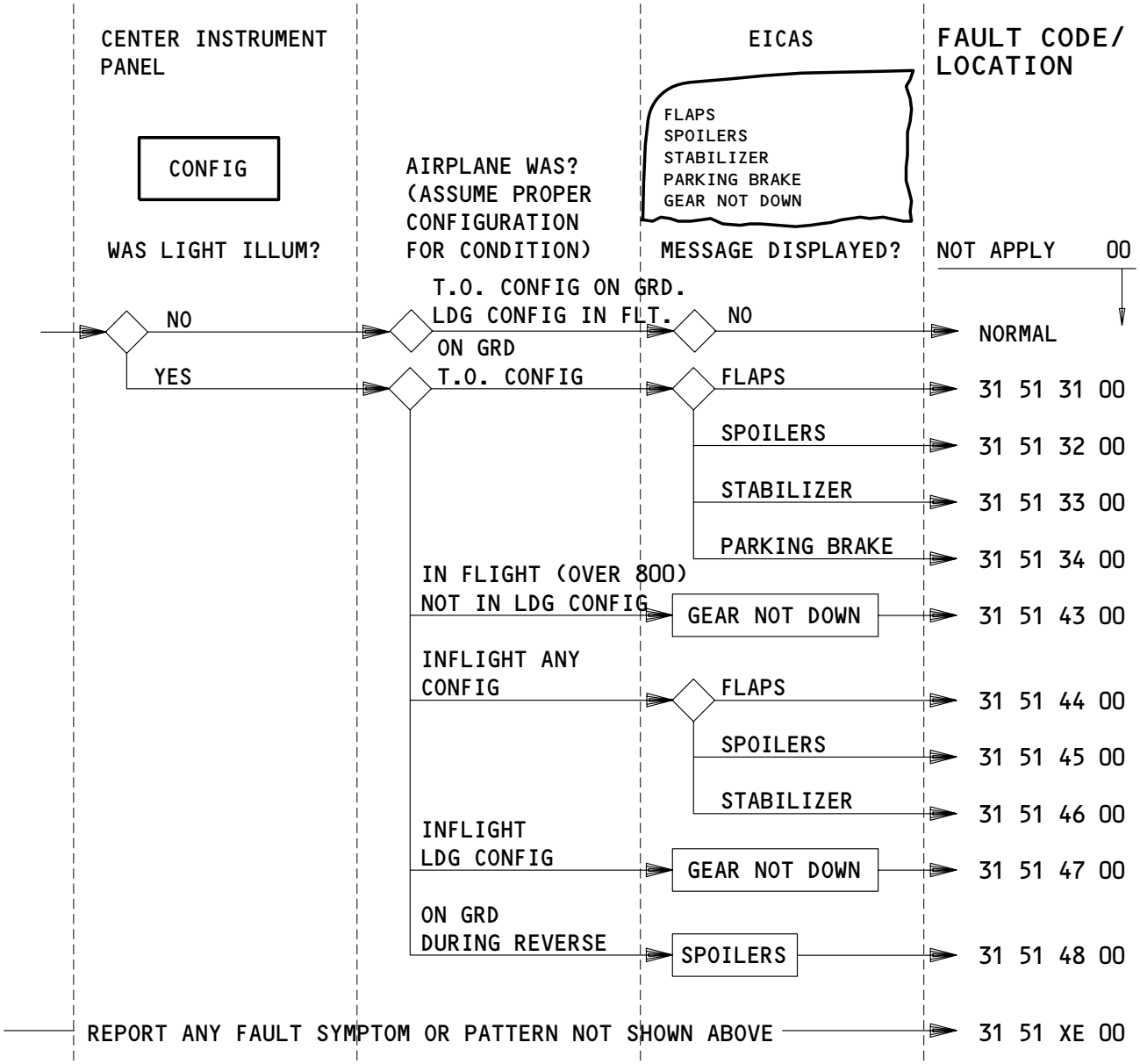
APPLICABLE CIRCUIT BREAKERS AS INSTALLED

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

CAUTION & WARNING SYSTEM (CAUTION) - FAULT CODES

EFFECTIVITY
ALL

31-FAULT CODE DIAGRAM



APPLICABLE CIRCUIT BREAKERS AS INSTALLED

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

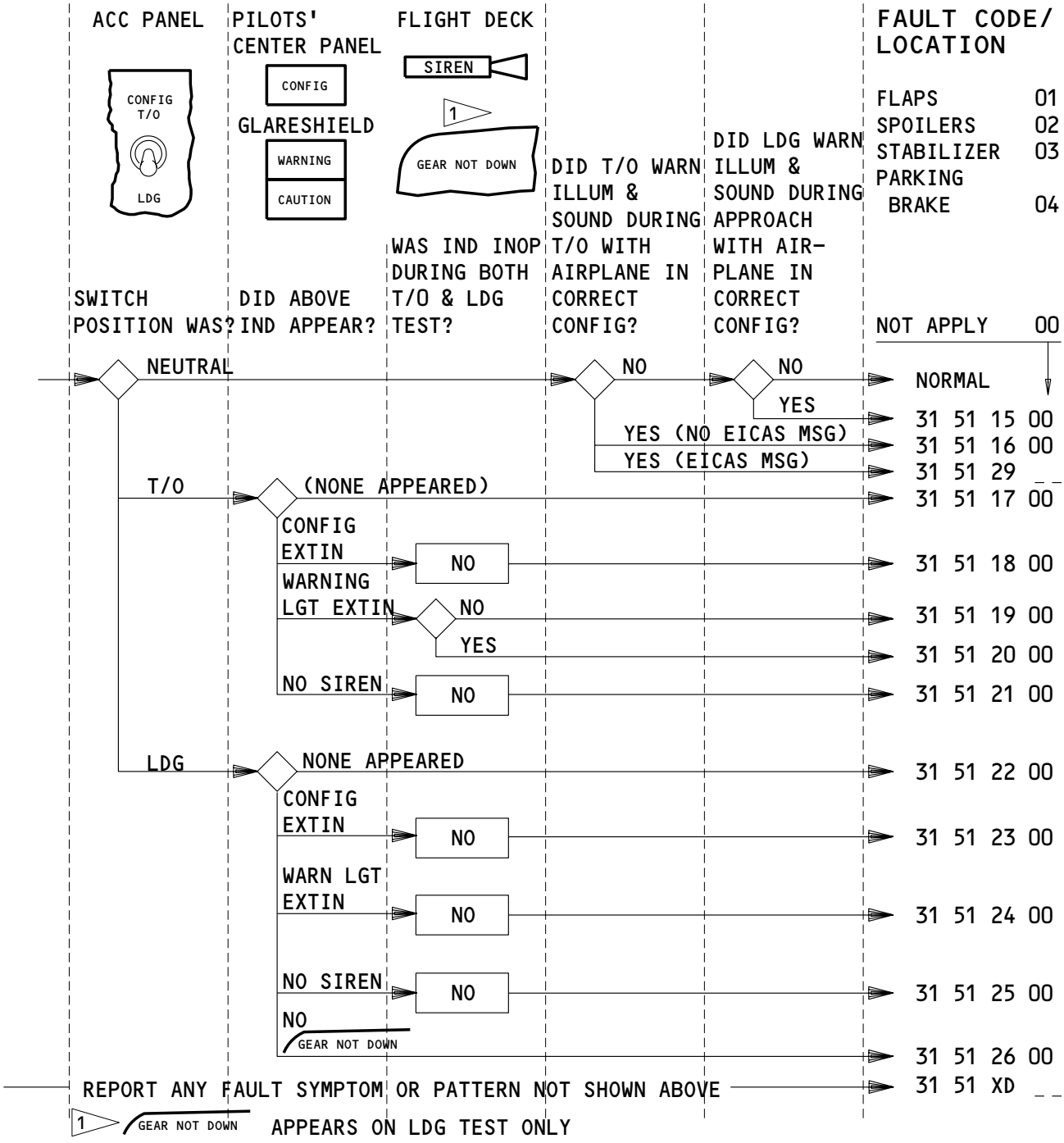
TAKEOFF/LANDING CONFIGURATION WARNING – FAULT CODES

EFFECTIVITY

ALL

31-FAULT CODE DIAGRAM

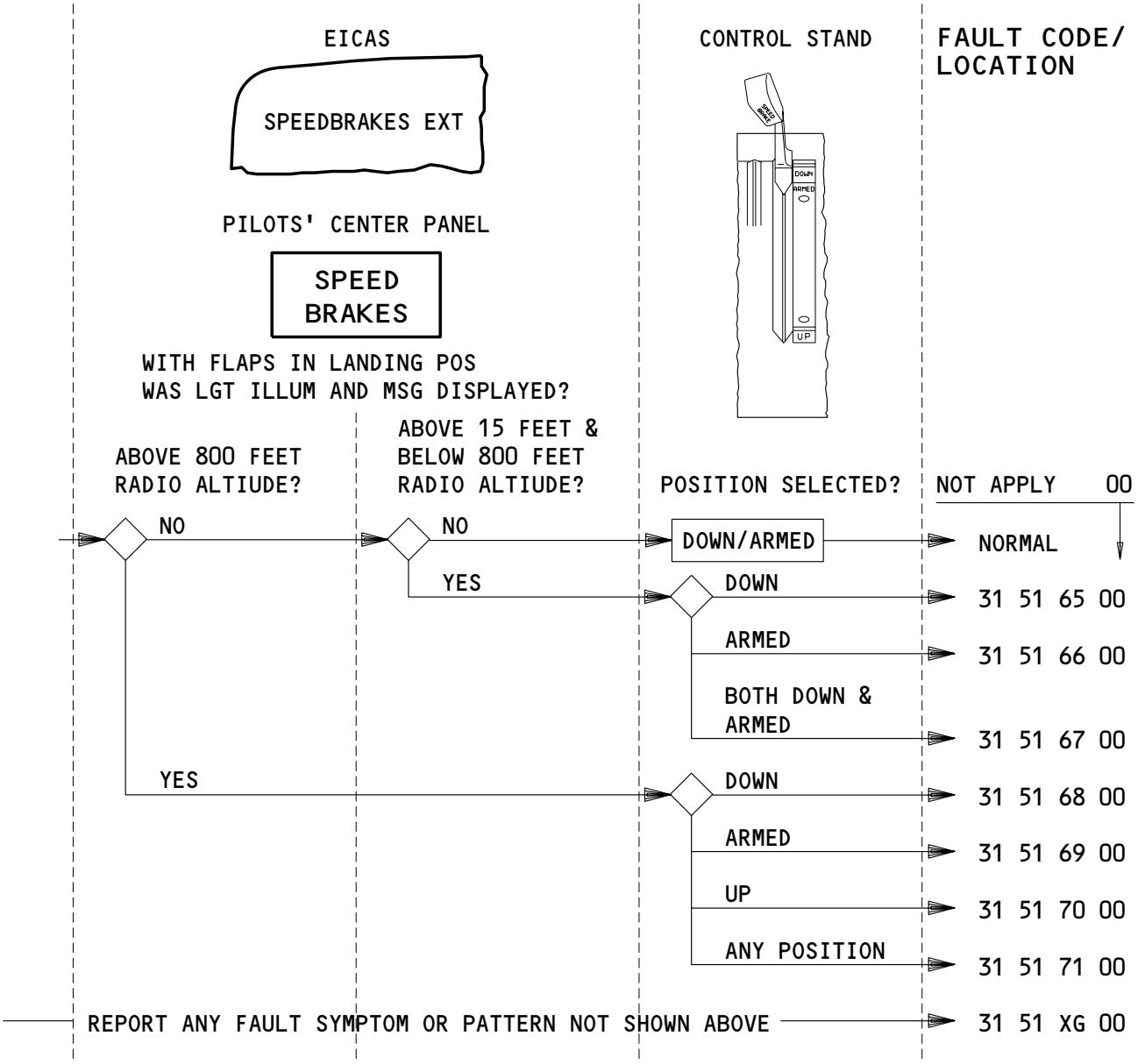
153288



APPLICABLE CIRCUIT BREAKERS AS INSTALLED

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

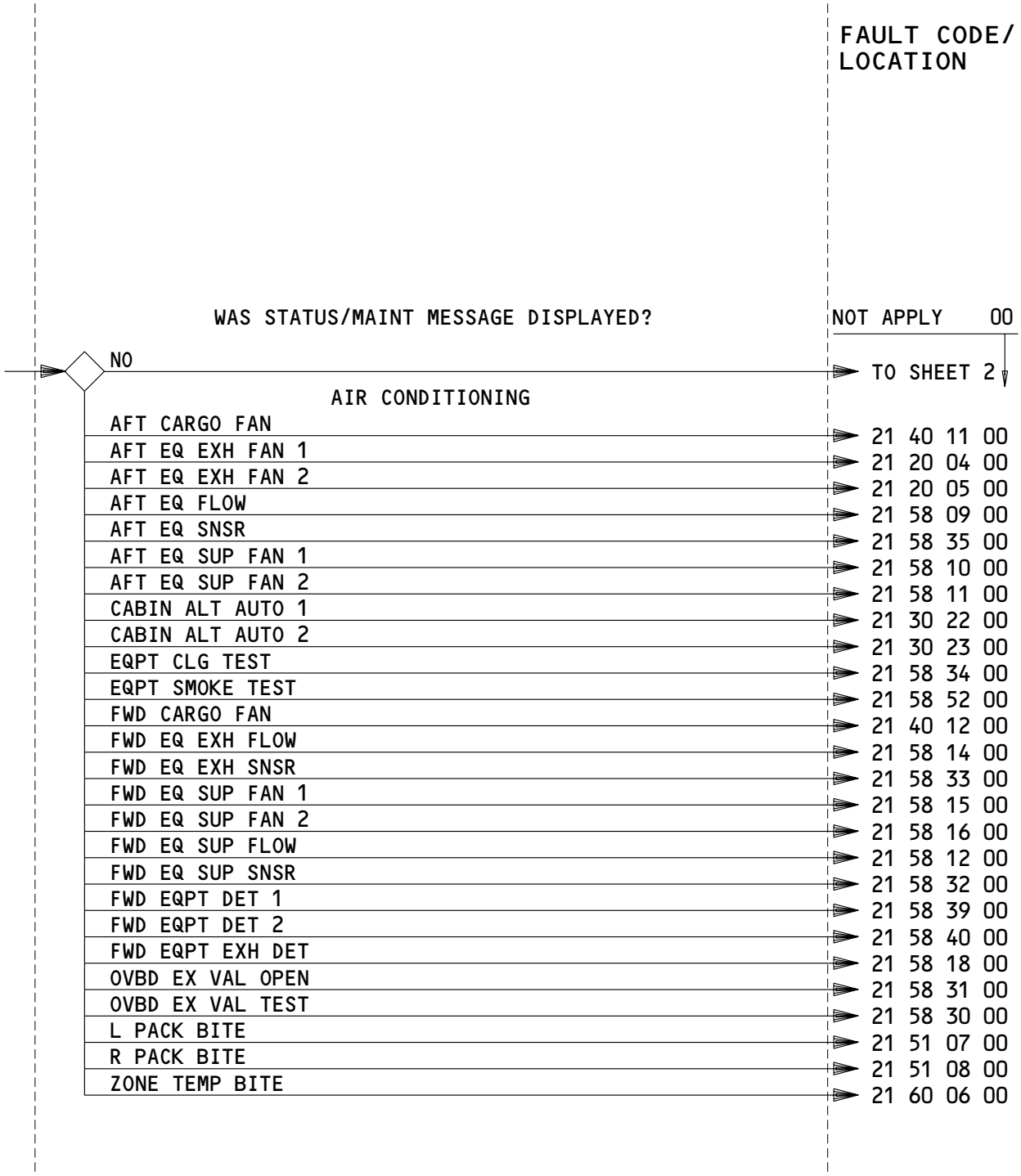
CONFIG WARN & T/O / LDG TEST - FAULT CODES



APPLICABLE CIRCUIT BREAKERS AS INSTALLED

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

SPEEDBRAKE LANDING CONFIGURATION WARNING – FAULT CODES



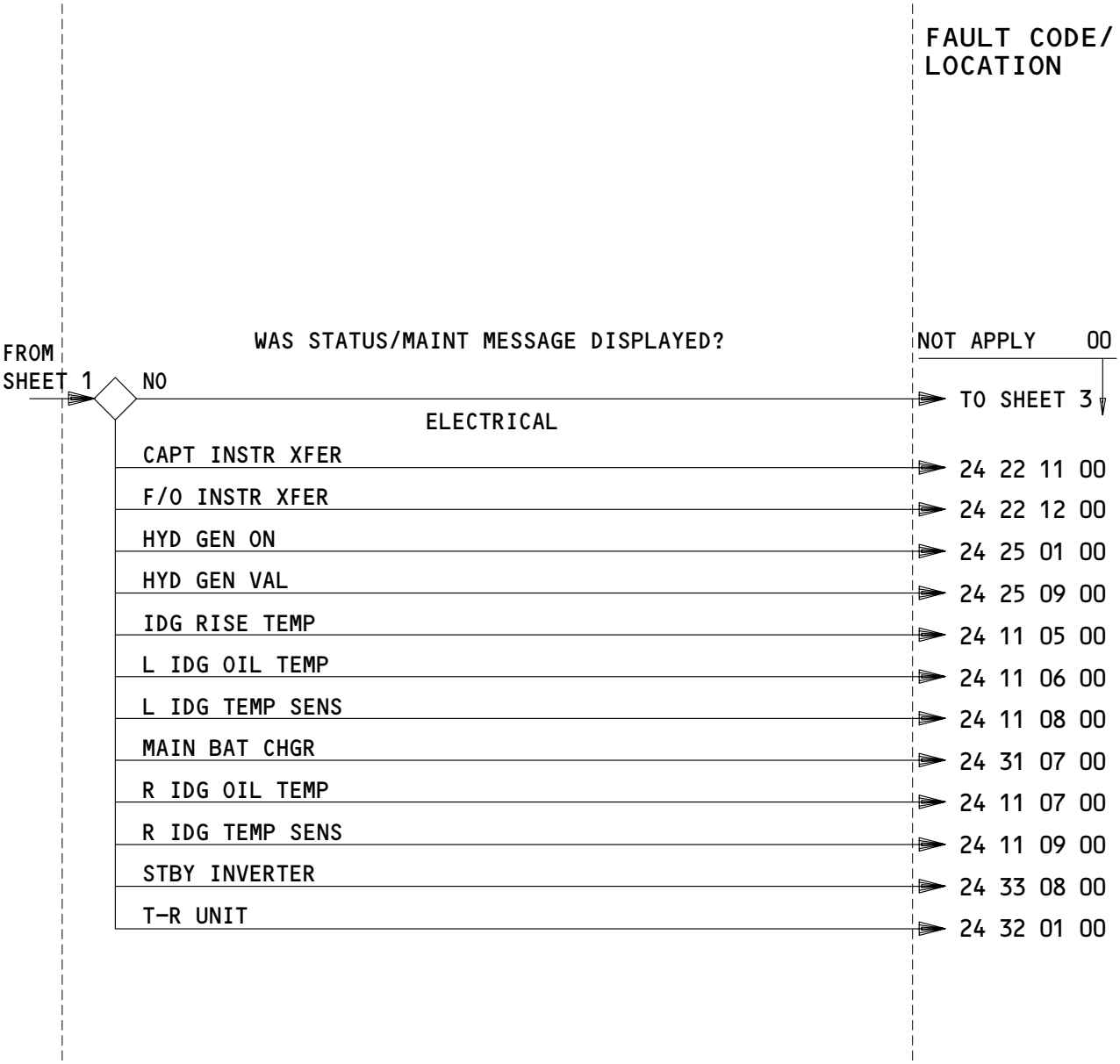
EICAS STATUS/MAINT MESSAGES (SHEET 1) – FAULT CODES

EFFECTIVITY

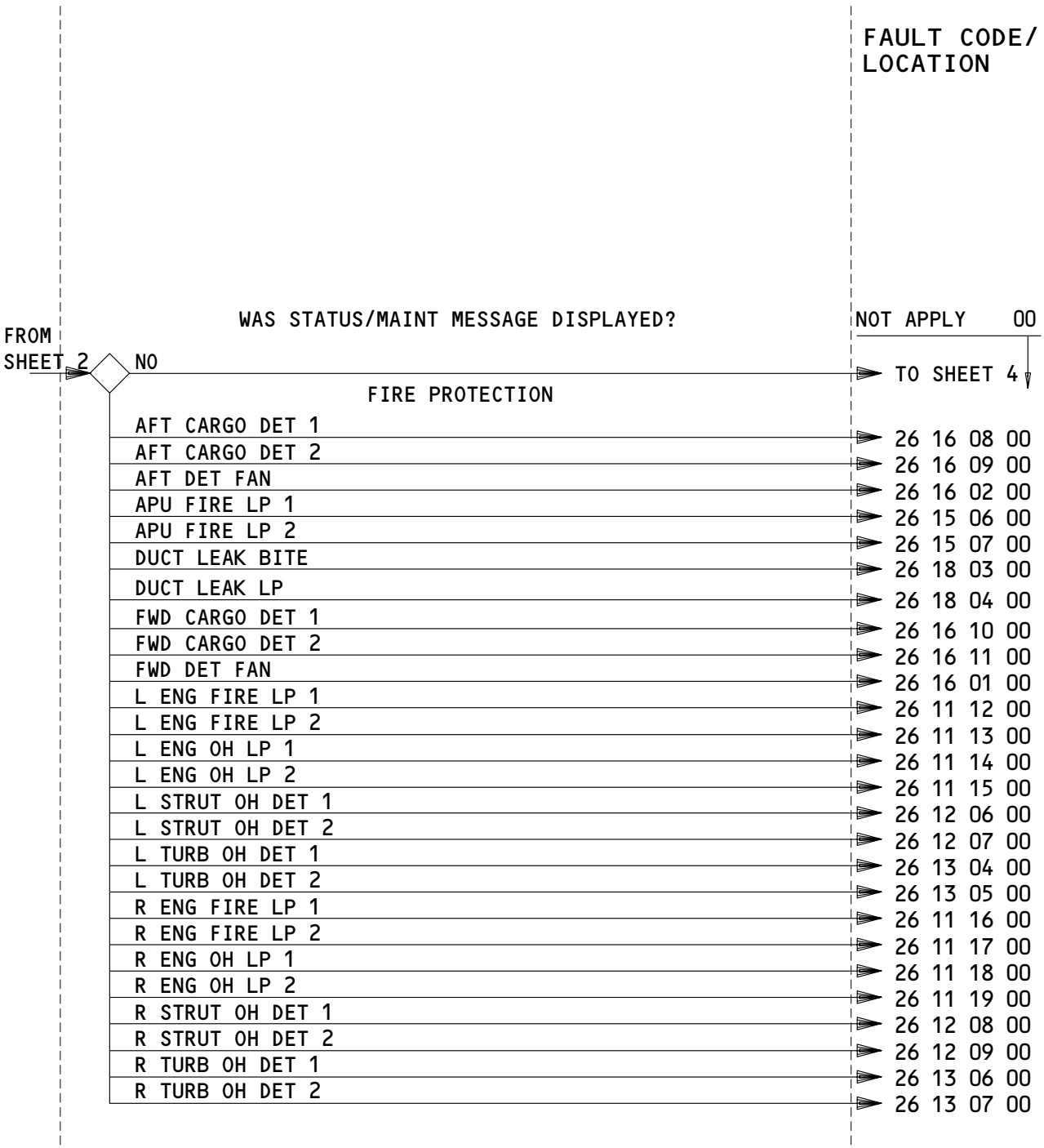
ALL

31-FAULT CODE DIAGRAM

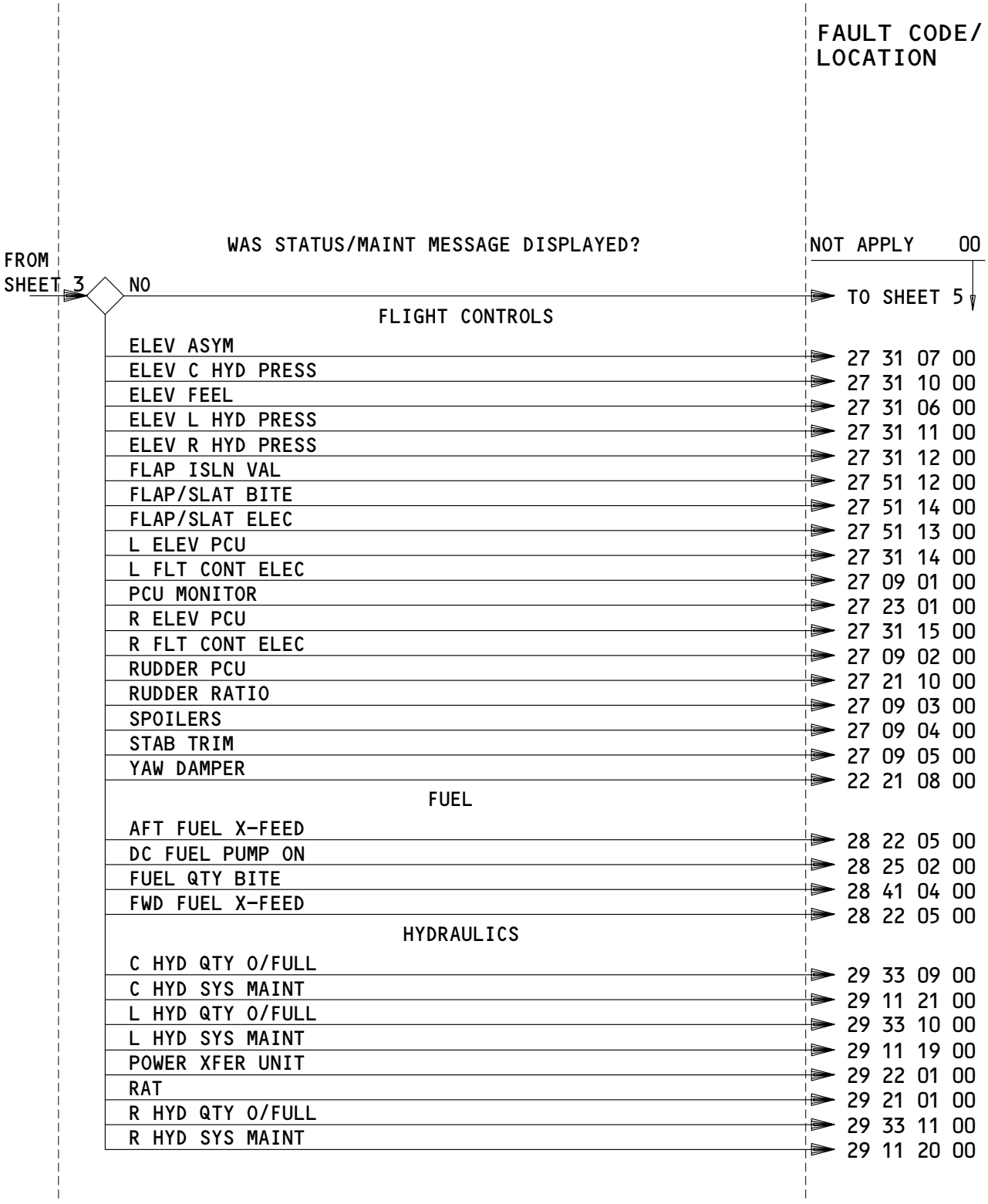
H44366



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



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



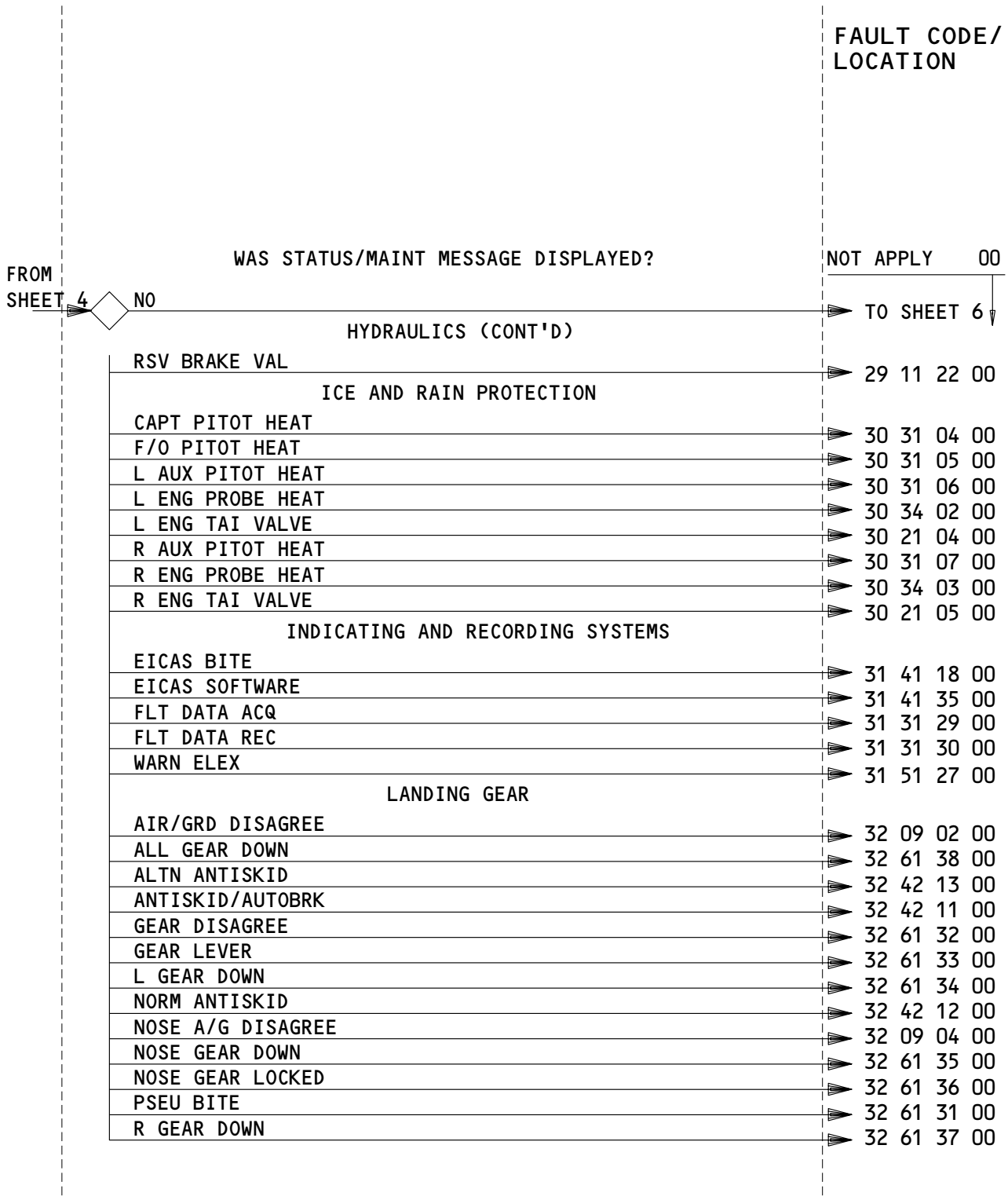
EICAS STATUS/MAINT MESSAGES (SHEET 4) – FAULT CODES

EFFECTIVITY

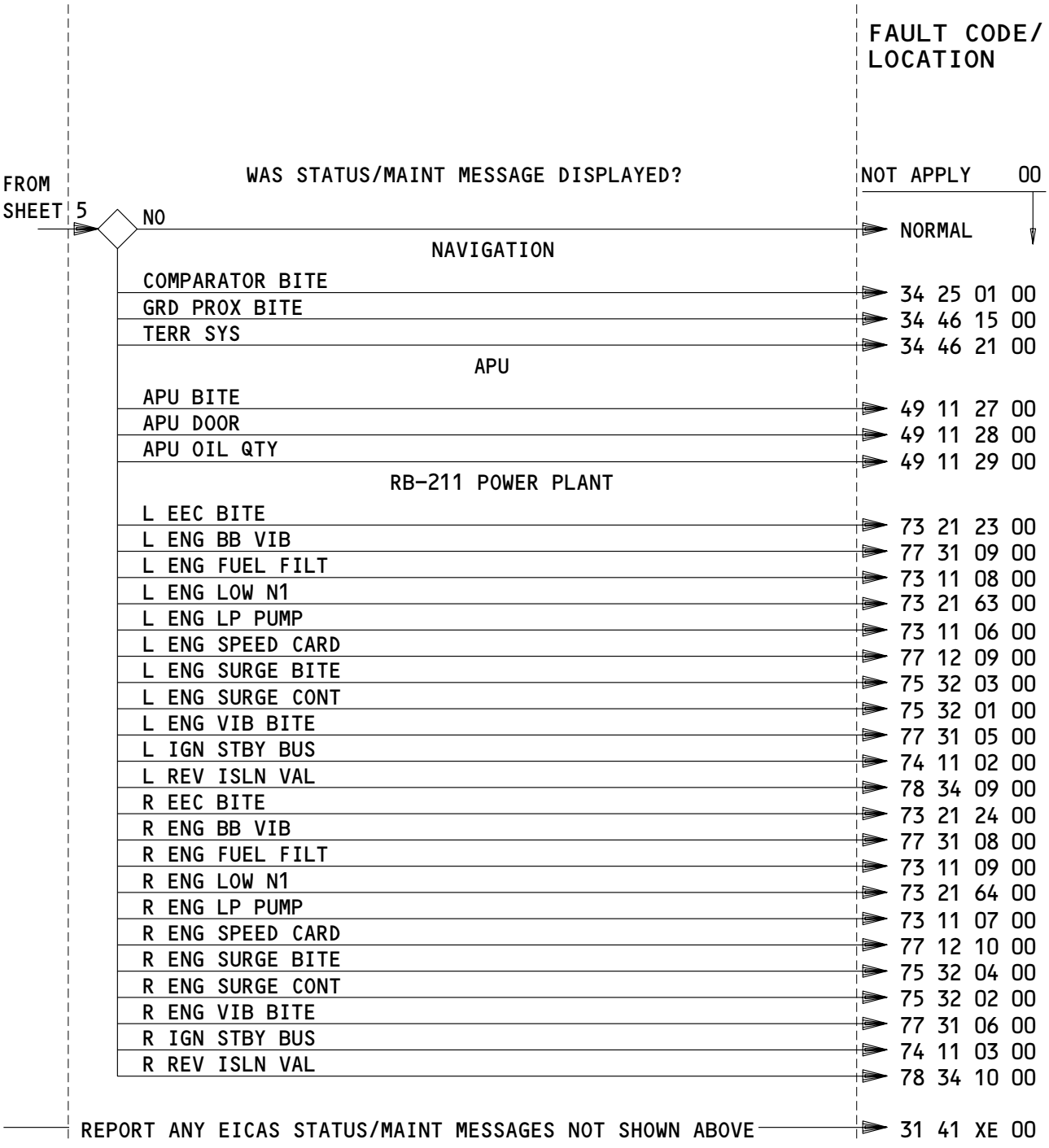
ALL

31-FAULT CODE DIAGRAM

H44348



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



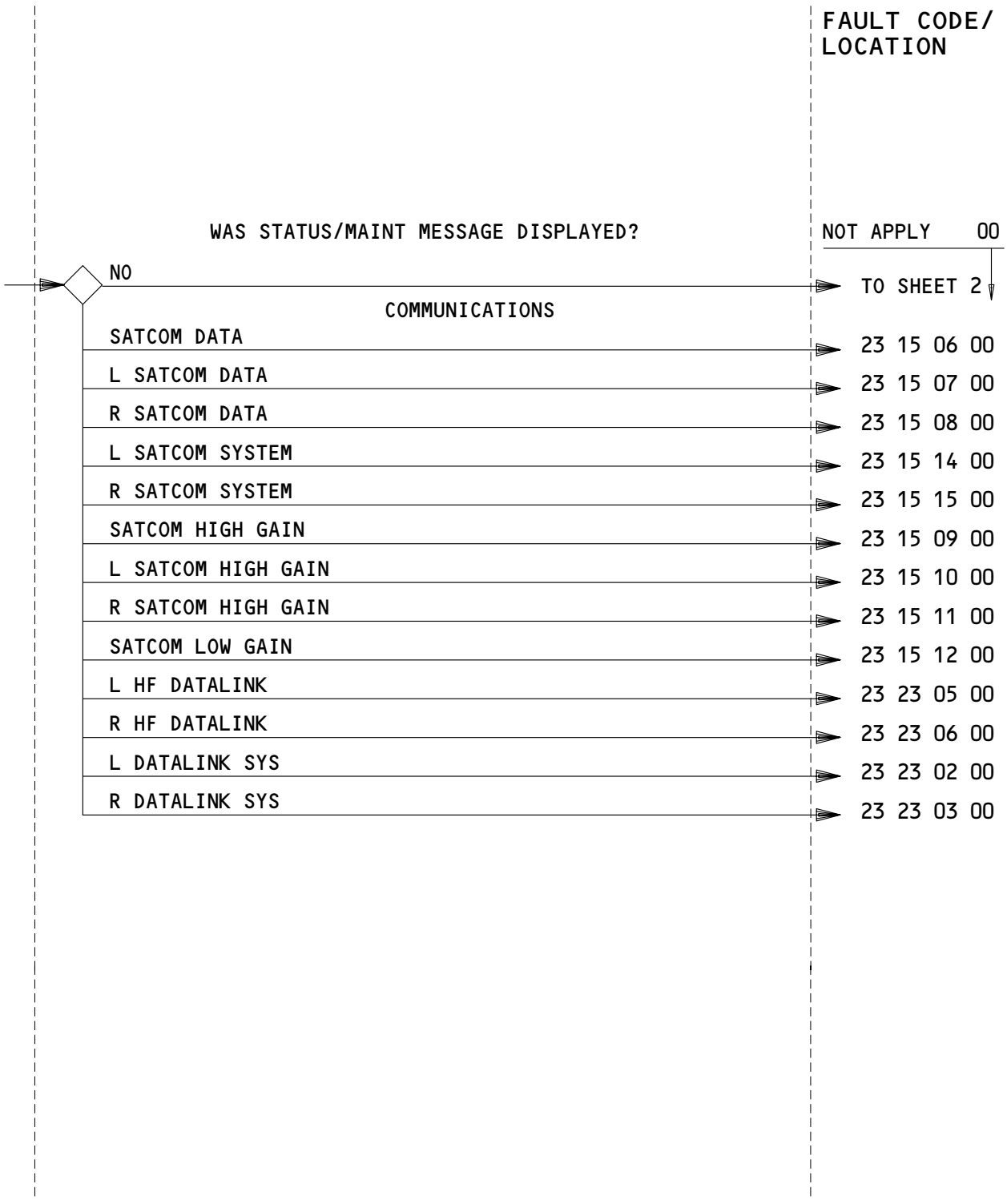
EICAS STATUS/MAINT MESSAGES (SHEET 6) – FAULT CODES

EFFECTIVITY

ALL

31-FAULT CODE DIAGRAM

D85188



EICAS STATUS/MAINT MESSAGES – FAULT CODES
Figure 9A

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

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

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

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

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

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

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

FAULT CODE	LOG BOOK REPORT	FAULT ISOLATION REFERENCE
31 51 09 --	Clacker did not sound from (01=Capt,02=F/0) speaker.	FIM 31-51-00/101, Fig. 104, Block 8
31 51 10 00	Wailer did not sound at A/P disconnect. Master warning lights came on norm.	FIM 31-51-00/101, Fig. 104, Block 7
31 51 11 00	EICAS message WARN ELEX displayed.	FIM 31-51-00/101, Fig. 105, Block 1
31 51 12 00	Ground proximity/configuration gear override switch does not cancel the landing configurations aural warning.	FIM 31-51-00/101, Fig. 106, Block 6
31 51 13 --	Beeper from (01=Capt,02=F/0, 03=Both) speaker(s) failed to automatically silence.	Replace the left (right) siren/owl aural warning module, M999 (M619)(AMM 31-51-04/401).
31 51 14 --	Beeper did not sound from (01=Capt,02=F/0) speaker.	FIM 31-51-00/101, Fig. 104, Block 1
31 51 15 00	CONFIG and WARNING light came on, siren sounded and EICAS msg GEAR NOT DOWN displayed during approach. Gear was down and locked.	Replace the landing configuration warning module, M983 (AMM 31-51-04/401).
31 51 16 00	CONFIG and WARNING light came on, siren sounded during T/0. No EICAS msg was displayed. Airplane was in correct T/0 configuration.	Replace the takeoff configuration warning module, M620 (AMM 31-51-04/401).
31 51 17 00	CONFIG T/0 warning test inop.	FIM 31-51-00/101, Fig. 103, Block 1
31 51 18 00	CONFIG light did not come on during CONFIG T/0 test. Other indications normal.	FIM 31-51-00/101, Fig. 103, Block 1
31 51 19 00	WARNING light did not come on during CONFIG T/0 test. Other indications normal.	FIM 31-51-00/101, Fig. 103, Block 1
31 51 20 00	WARNING light did not come on during CONFIG T/0 and LDG test. Other indications normal.	FIM 31-51-00/101, Fig. 103, Block 1

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

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

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

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

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
Air Data Computer	ADC	34-12
Air Data Inertial Reference Unit	ADIRU	34-26
Air Traffic Control Transponder	ATC	34-53
Airborne Vibration Monitor Signal Conditioner	AVM	77-31
Antiskid/Autobrake Control Unit		32-42
APU Fire Detection System		26-15
Automatic Direction Finder Receiver	ADF	34-57
APU Control Unit	ECU	49-11
Brake Temperature Monitor Unit		32-46
Bus Power Control Unit	BPCU	24-20
Cabin Pressure Controller		21-30
Digital Flight Data Acquisition Unit	DFDAU	31-31
Distance Measuring Equipment Interrogator	DME	34-55
Duct Leak (Wing and Body)		26-18
E/E Cooling Control Card (If cards installed)		21-58
ECS Bleed Configuration Card		36-10
Electronic Engine Control (RR Engines)	EEC	73-21
Electronic Engine Control Monitor Unit (PW Engines)	EECM	71-EPCS Message Index
Electronic Flight Instrument System	EFIS	34-22
Electronic Propulsion Control System (PW Engines)	EPCS	71-EPCS Message Index
Engine Fire/Overheat Detection System		26-11
Engine Indication and Crew Alerting System Computer	EICAS	31-41

Bite Index
Figure 1 (Sheet 1)

H55843

LRU/System Name	Acronym	FIM Reference
Engine Turbine Cooling Overheat Detection System (RR Engines)		26-13
Enhanced Ground Proximity Warning Computer	EGPWC	34-46
Flap/Slat Accessory Module	FSAM	27-51
Flap/Slat Electronic Unit	FSEU	27-51
Flight Management Computer	FMC	34-61
Fuel Quantity Indicating System Processor	FQIS	28-41
Ground Proximity Warning Computer	GPWC	34-46
HF (High Frequency) Communication		23-11
Inertial Reference Unit	IRU	34-21
Instrument Comparator Unit	ICU	34-25
Instrument Landing System Receiver	ILS	34-31
Lower Cargo Compartment Smoke Detection System		26-16
Maintenance Control Display Panel	MCDP	22-00
PA (Passenger Address) Amplifier		23-31
Pack Standby Temperature Controller		21-51
Pack Temperature Controller		21-51
Passenger Entertainment System	PES	23-34
Power Supply Module (Control System Electronics Units)	PSM	27-09
Propulsion Discrete Interface Unit (PW Engines)	PDIU	73-21
Proximity Switch Electronics Unit	PSEU	32-09
Radio Altimeter Transmitter/Receiver	RA	34-33
Rudder Ratio Changer Module	RRCM	27-09
Spoiler Control Module	SCM	27-09
Stabilizer Position Module	SPM	27-48
Stabilizer Trim/Elevator Asymmetry Limit Module	SAM	27-09
Stall Warning Computer/Module (in Warning Electronic Unit)	SWC	27-32
Strut Overheat Detection System (RR Engines)		26-12

Bite Index
Figure 1 (Sheet 2)

LRU/System Name	Acronym	FIM Reference
Thrust Management Computer/Autothrottle	TMC	22-00
Traffic Alert and Collision Avoidance Computer	TCAS	34-45
VHF (Very High Frequency) Communication		23-12
VOR/Marker Beacon Receiver	VOR/MKR	34-51
Warning Electronic Unit BITE Module (Stall Warning)	WEU	27-32
Weather Radar Transceiver	WXR	34-43
Wheel Well Fire Detection		26-17
Window Heat Control Unit	WHCU	30-41
Yaw Damper Module	YDM	22-21
Yaw Damper/Stabilizer Trim Module	YSM	27-09
Zone Temperature Controller		21-60

Bite Index
Figure 1 (Sheet 3)

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

      NOTE: In general, the XX is the panel number.
      Examples: P6 panel is in 31-01-06
      P36 panel is in 31-01-36.

      (1) These components are shown and identified:

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

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

      (2) These components are shown for reference only:
         (a) Circuit Breakers
         (b) Panel Switches

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

   B. Instructions to Help You Use the Data in this Section
      (1) Assumptions
         (a) You know the electrical equipment number of the component you want to find.
         (b) You know the panel number where the component is installed.
      (2) Find the Component
         (a) Figure 101A has a list of the components in order of component type and electrical equipment number.

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

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

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

G25693

(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.

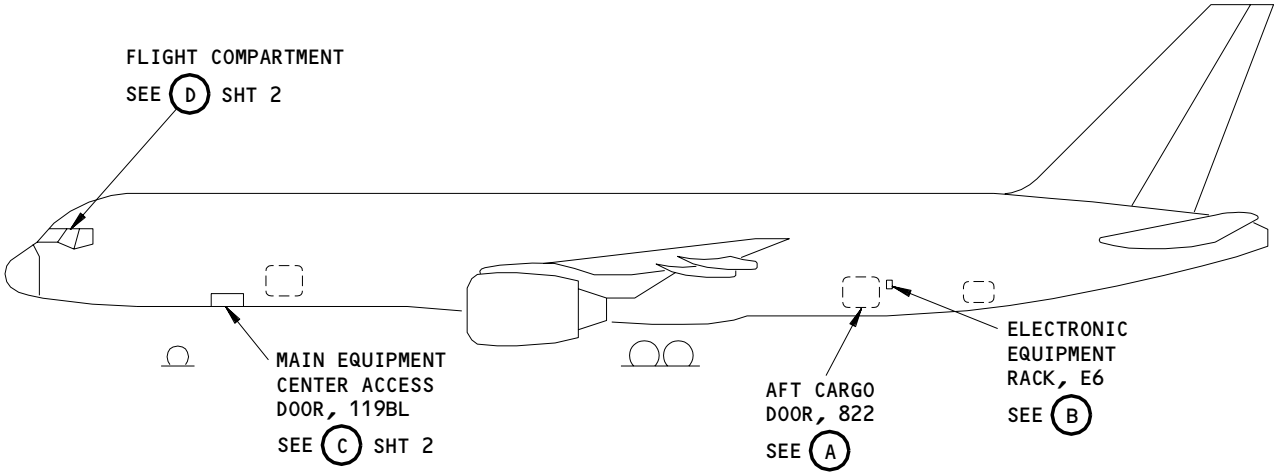
1) These illustrations will show the area that contains the component.
2) The list of components shown for each area on Fig. 102 are in numeric order to help you find the component. They are not listed in the order that they are installed on the panel.
3) Use the placards in the panel to identify the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

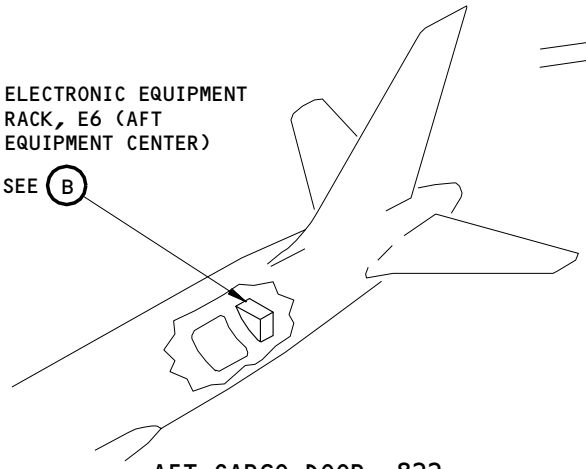
Electrical/Electronic Panels - Component Location
Figure 101 (Sheet 2)

ELECTRICAL/ELECTRONIC PANELS

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

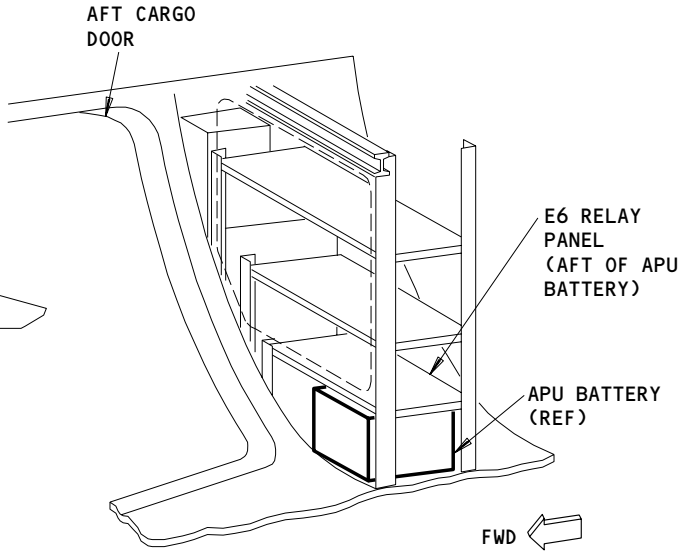
Electrical/Electronic Panels - Component Index
Figure 101A





AFT CARGO DOOR, 822

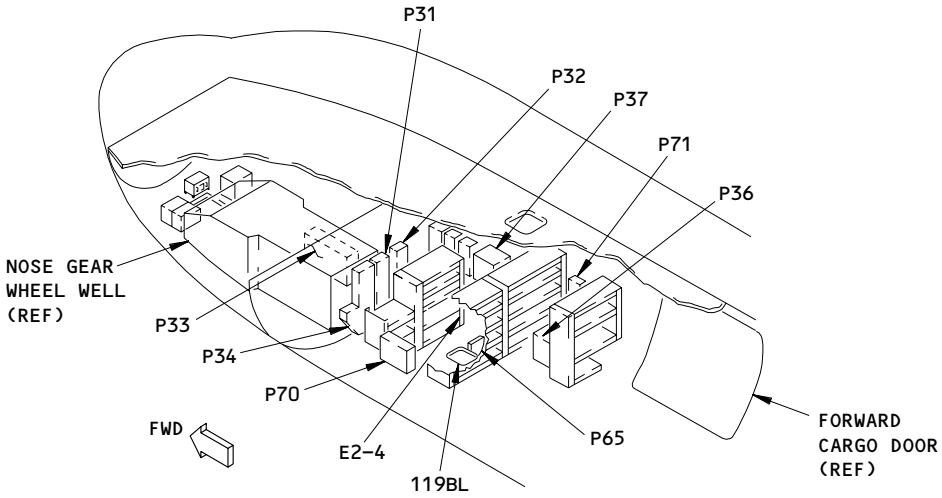
(A)



ELECTRONIC EQUIPMENT RACK, E6
(AFT EQUIPMENT CENTER)

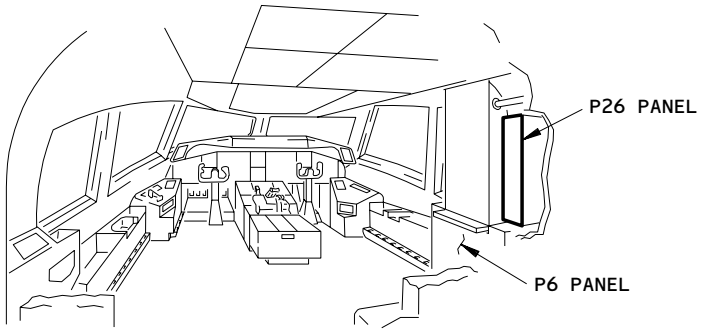
(B)

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



MAIN EQUIPMENT CENTER

C



FLIGHT COMPARTMENT

D

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

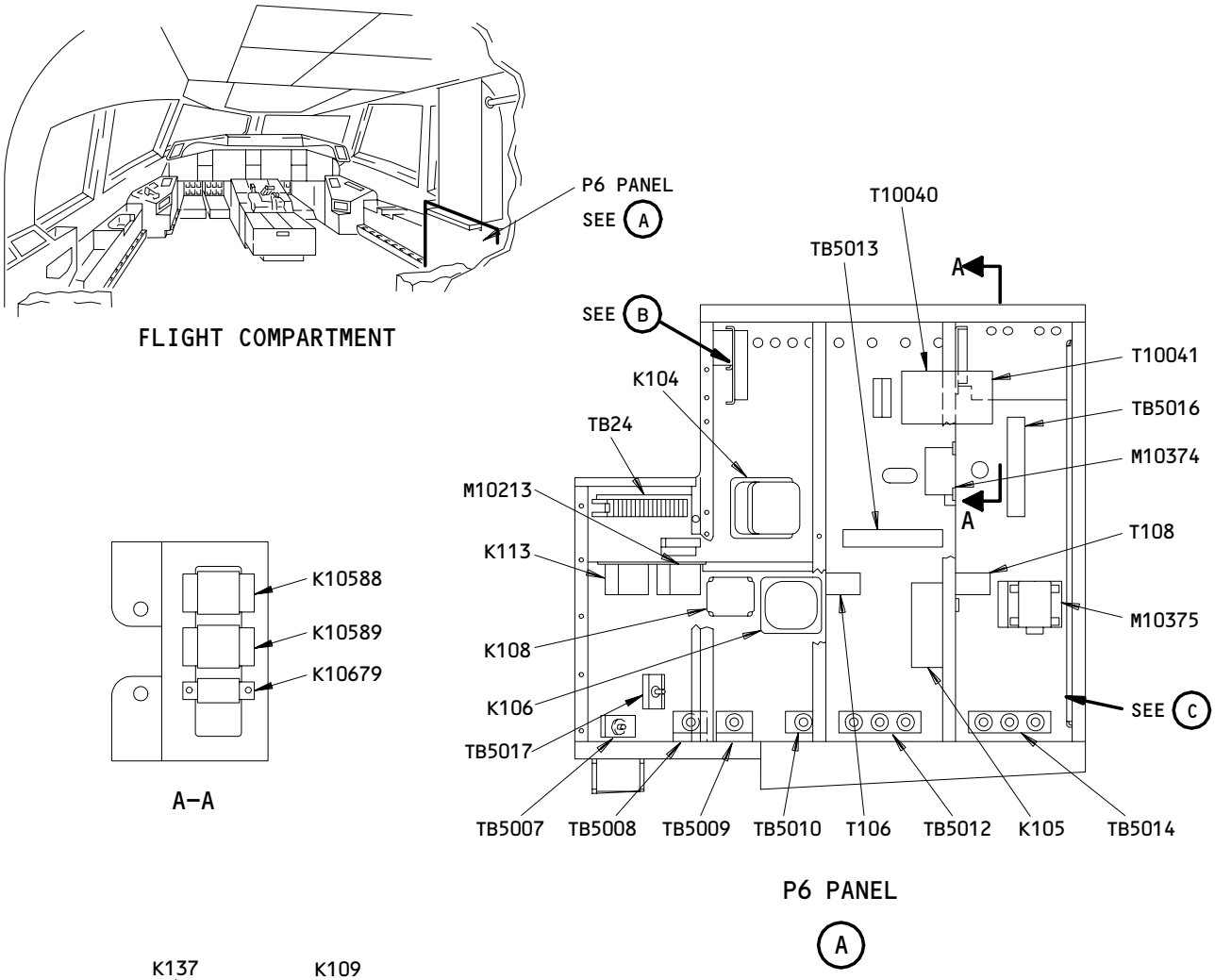
POWER DISTRIBUTION PANEL, P6

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

* SEE THE WDM EQUIPMENT LIST

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

Power Distribution Panel, P6 - Component Index
Figure 101



Power Distribution Panel, P6 - Component Location
Figure 102

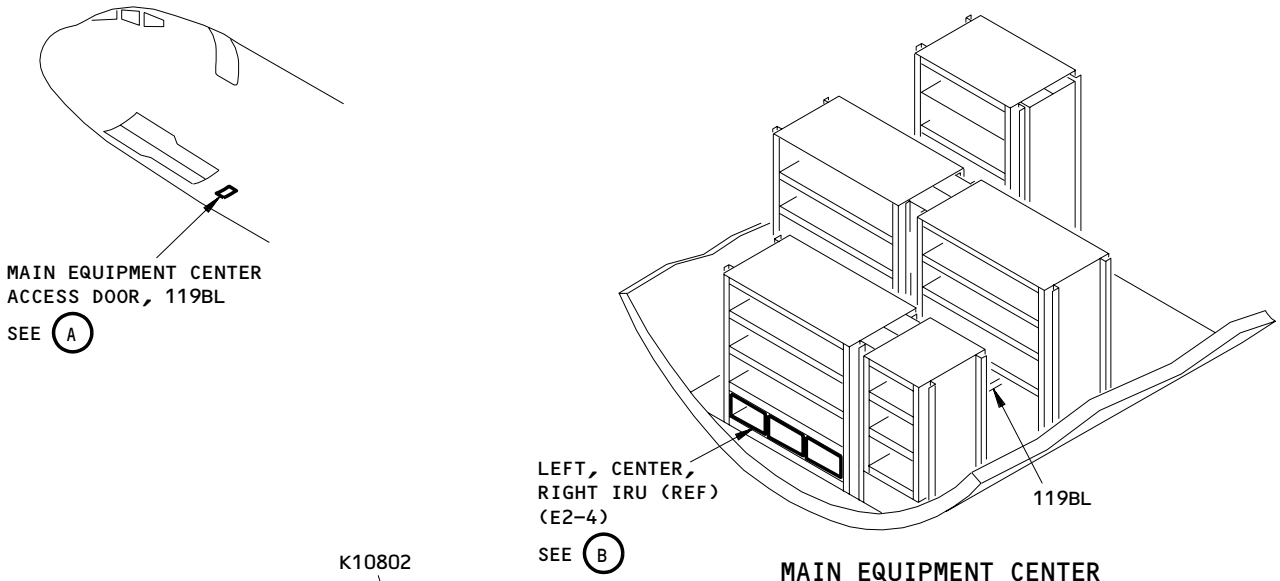
E2 ELECTRONIC SHELF

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

* SEE THE WDM EQUIPMENT LIST

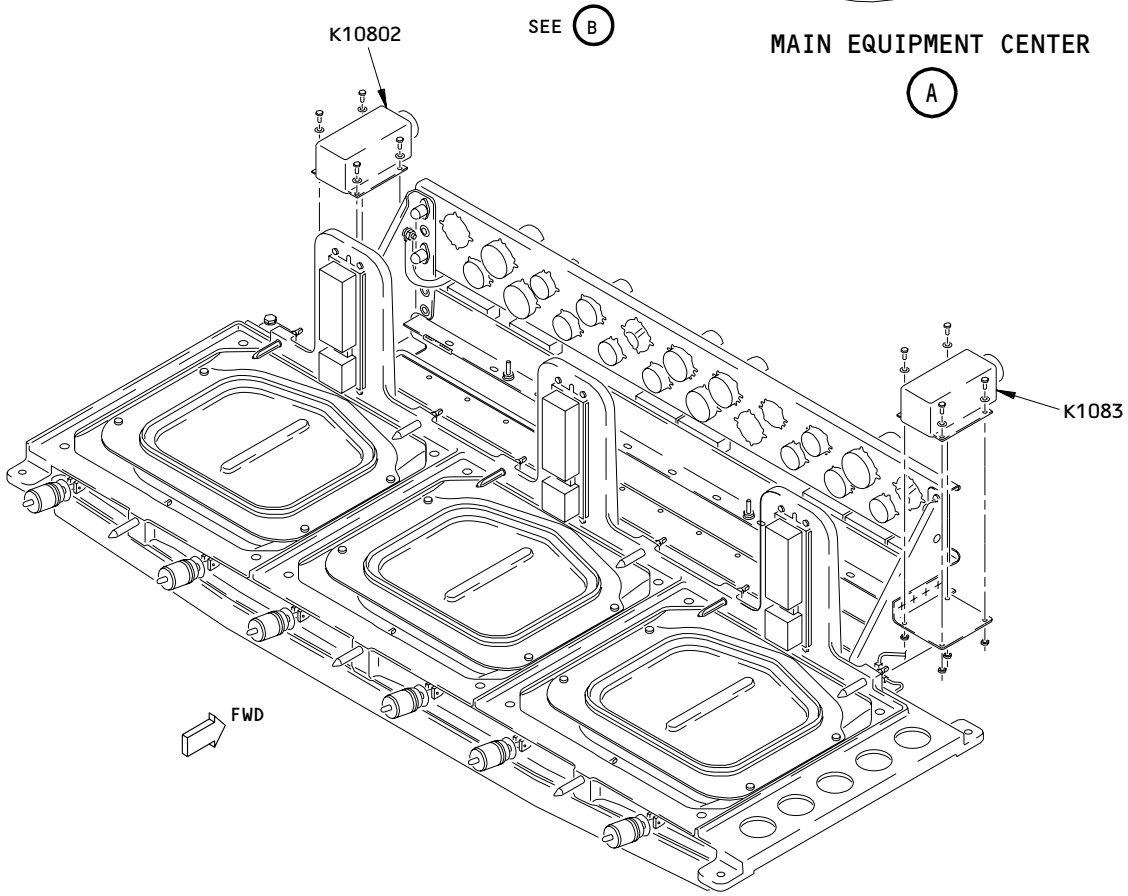
NOTE: THE (X) BELOW THE ACCESS/AREA REFERS TO THE VIEW SHOWN ON FIG. 102. THIS HELPS YOU FIND THE COMPONENTS ON THE ILLUSTRATION. FOR EXAMPLE, (A) REFERS TO VIEW A.

E2 Electronic Shelf – Component Index
Figure 101



MAIN EQUIPMENT CENTER

A



ELECTRONIC SHELF (E2-4)

B

E2 Electronic Shelf - Component Location
Figure 102

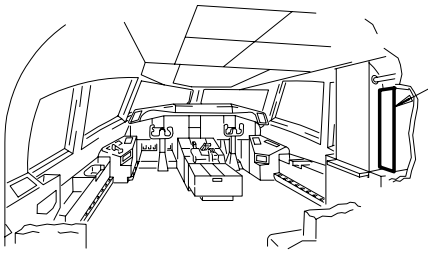
LIGHTING EQUIPMENT PANEL, P26

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

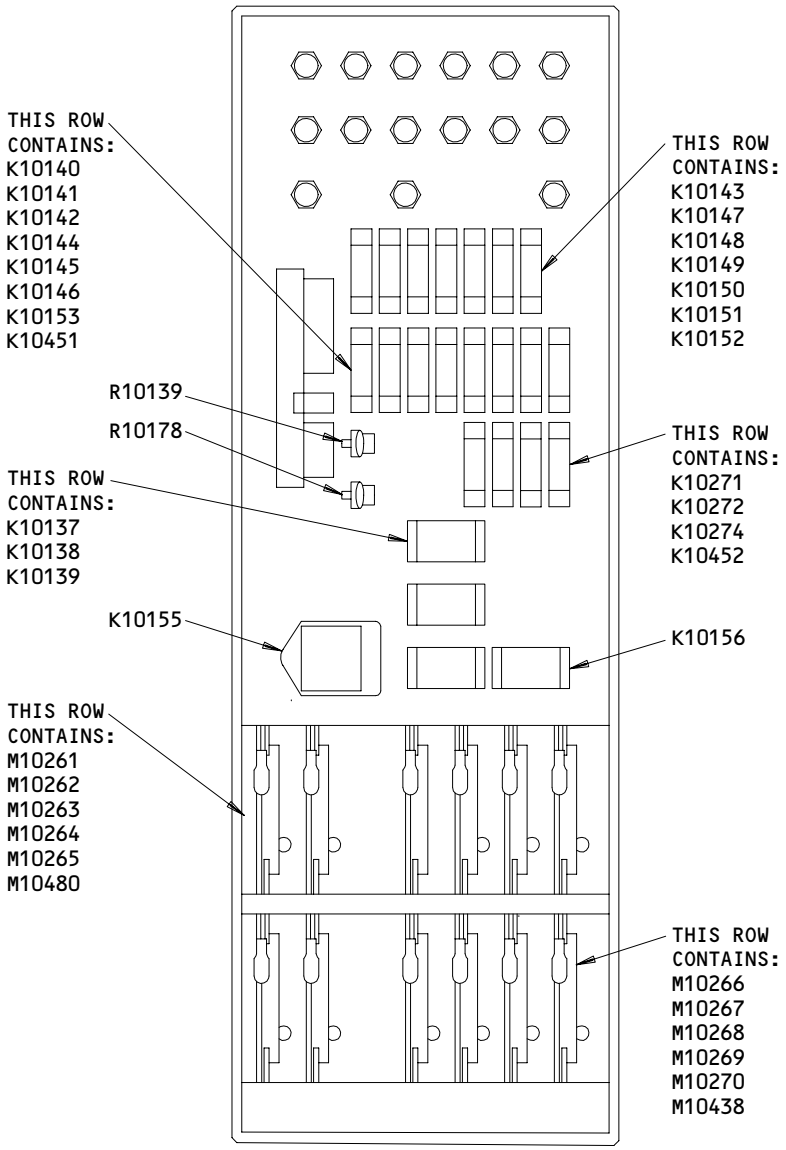
* SEE THE WDM EQUIPMENT LIST

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

Lighting Equipment Panel, P26 – Component Index
Figure 101



FLIGHT COMPARTMENT



P26 PANEL

(A)

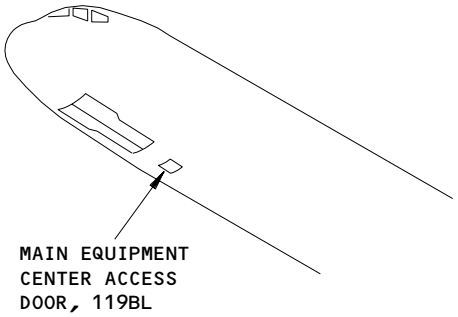
Lighting Equipment Panel, P26 - Component Location
Figure 102

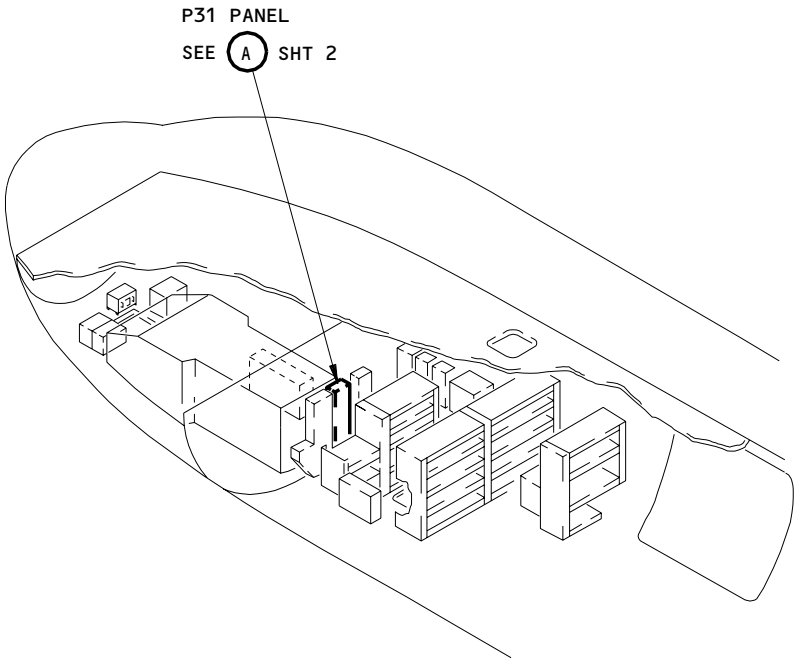
LEFT GENERATOR POWER PANEL, P31

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

* SEE THE WDM EQUIPMENT LIST

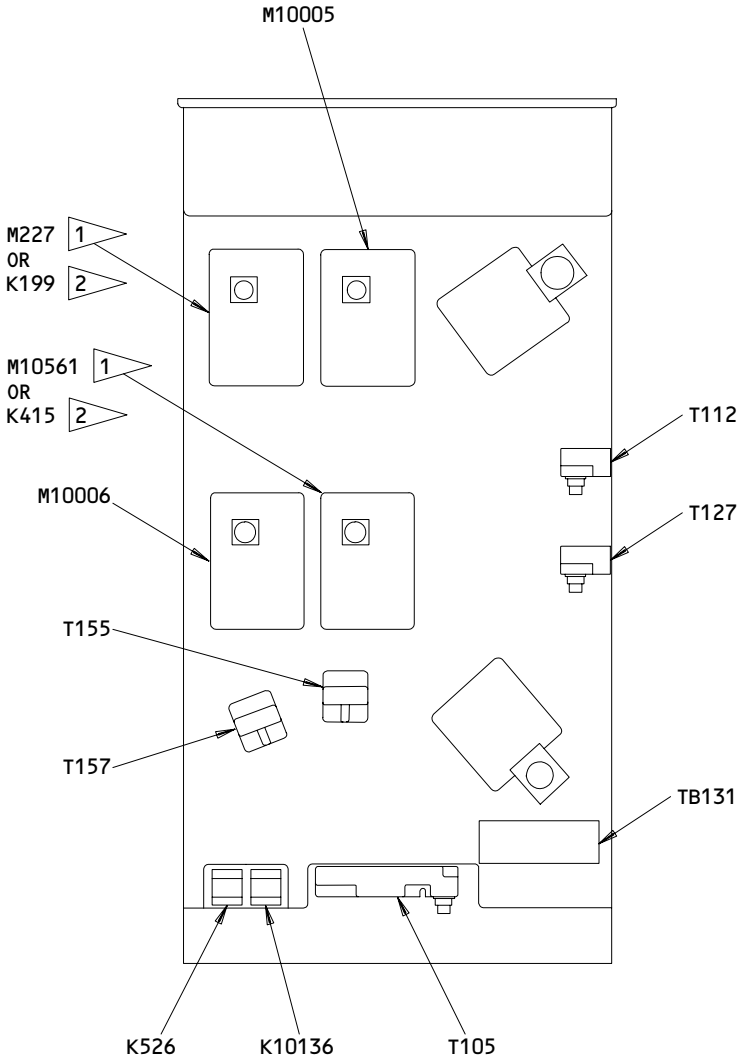
Left Generator Power Panel, P31 - Component Index
Figure 101





MAIN EQUIPMENT CENTER

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



P31 PANEL

(A)

1 AIRPLANES WITH MODULES INSTALLED

2 AIRPLANES WITH RELAYS INSTALLED

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

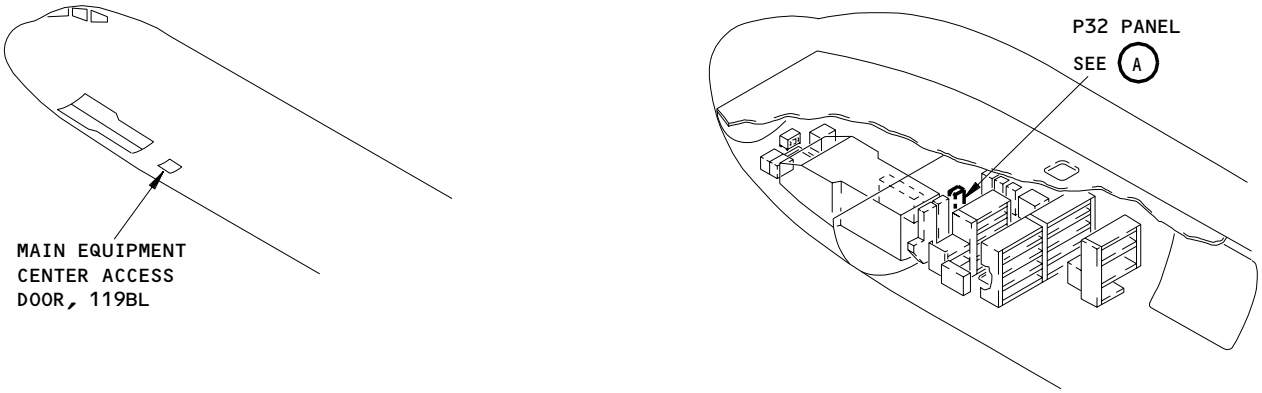
A78039

RIGHT GENERATOR POWER PANEL, P32

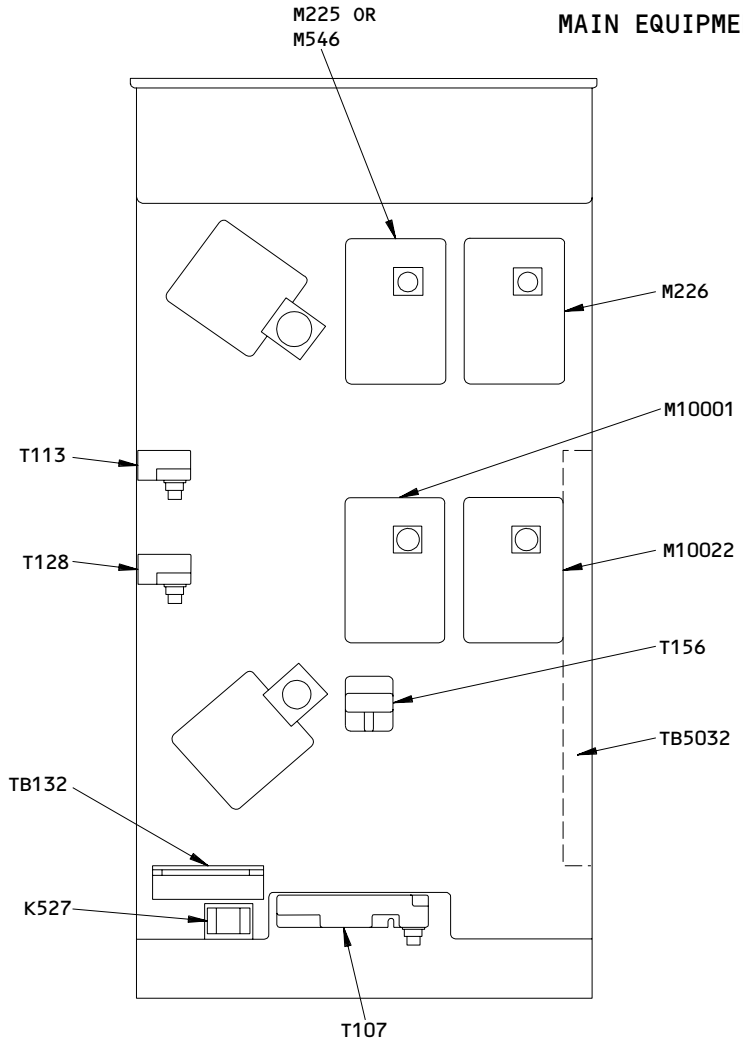
COMPONENT	FIG. 102 SHT	QTY	ACCESS/AREA	AMM REFERENCE
MODULE -			119AL, MAIN EQUIP CTR, P32	
M225		1		*
M226		1		*
M546		1	(A)	*
M10001		1		*
M10022		1		*
RELAY -			119AL, MAIN EQUIP CTR, P32	
K527		1		*
TERMINAL BLOCK -			119AL, MAIN EQUIP CTR, P32	
TB132		1		*
TB5032		1		*
TRANSFORMER -			119AL, MAIN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

* SEE THE WDM EQUIPMENT LIST

Right Generator Power Panel, P32 - Component Index
Figure 101



MAIN EQUIPMENT CENTER



P32 PANEL

A

Right Generator Power Panel, P32 - Component Location
Figure 102

MISCELLANEOUS ELECTRICAL POWER PANEL, P33

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

* SEE THE WDM EQUIPMENT LIST

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

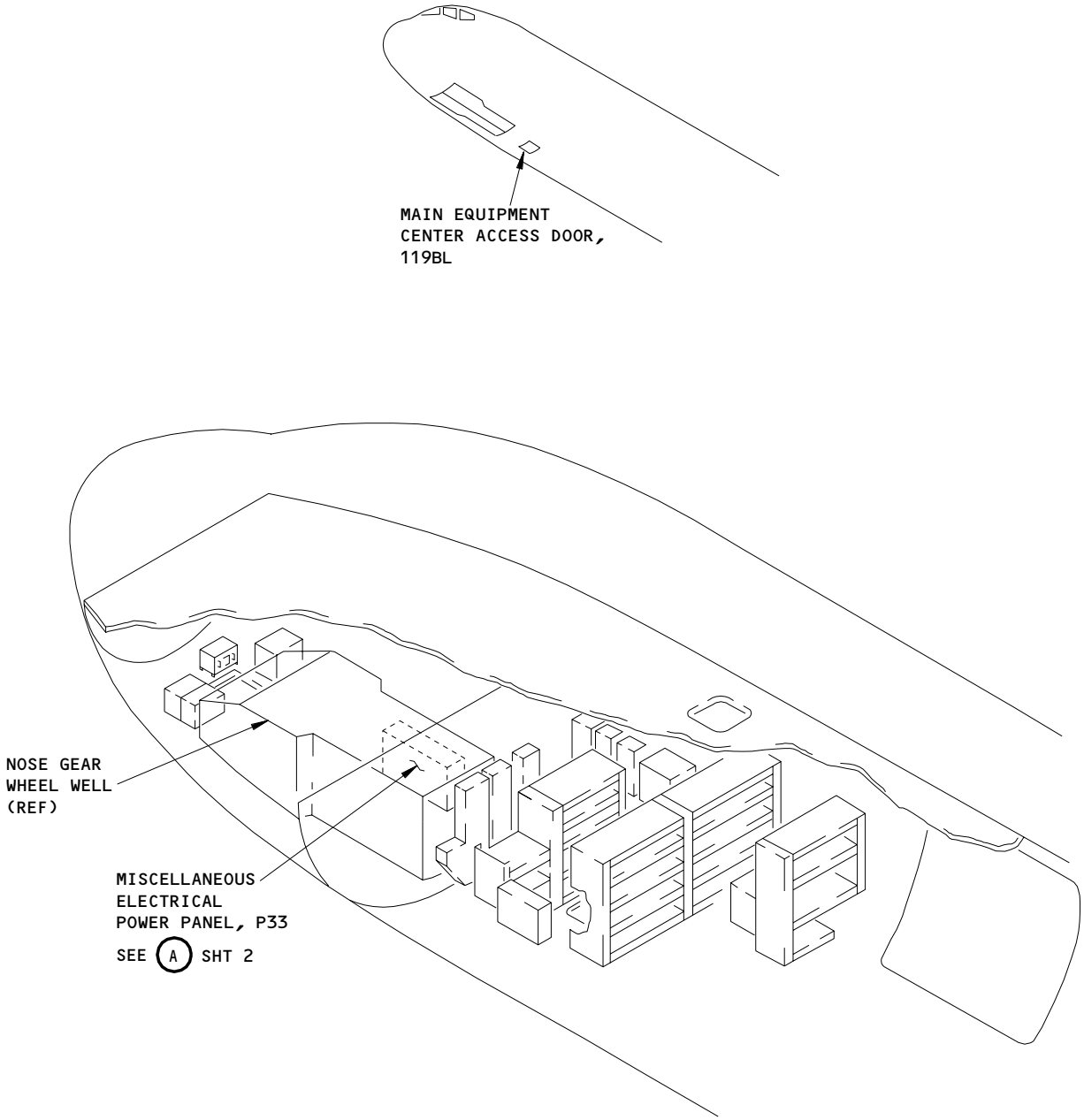
Miscellaneous Electrical Power Panel, P33 - Component Index
Figure 101 (Sheet 1)

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

* SEE THE WDM EQUIPMENT LIST

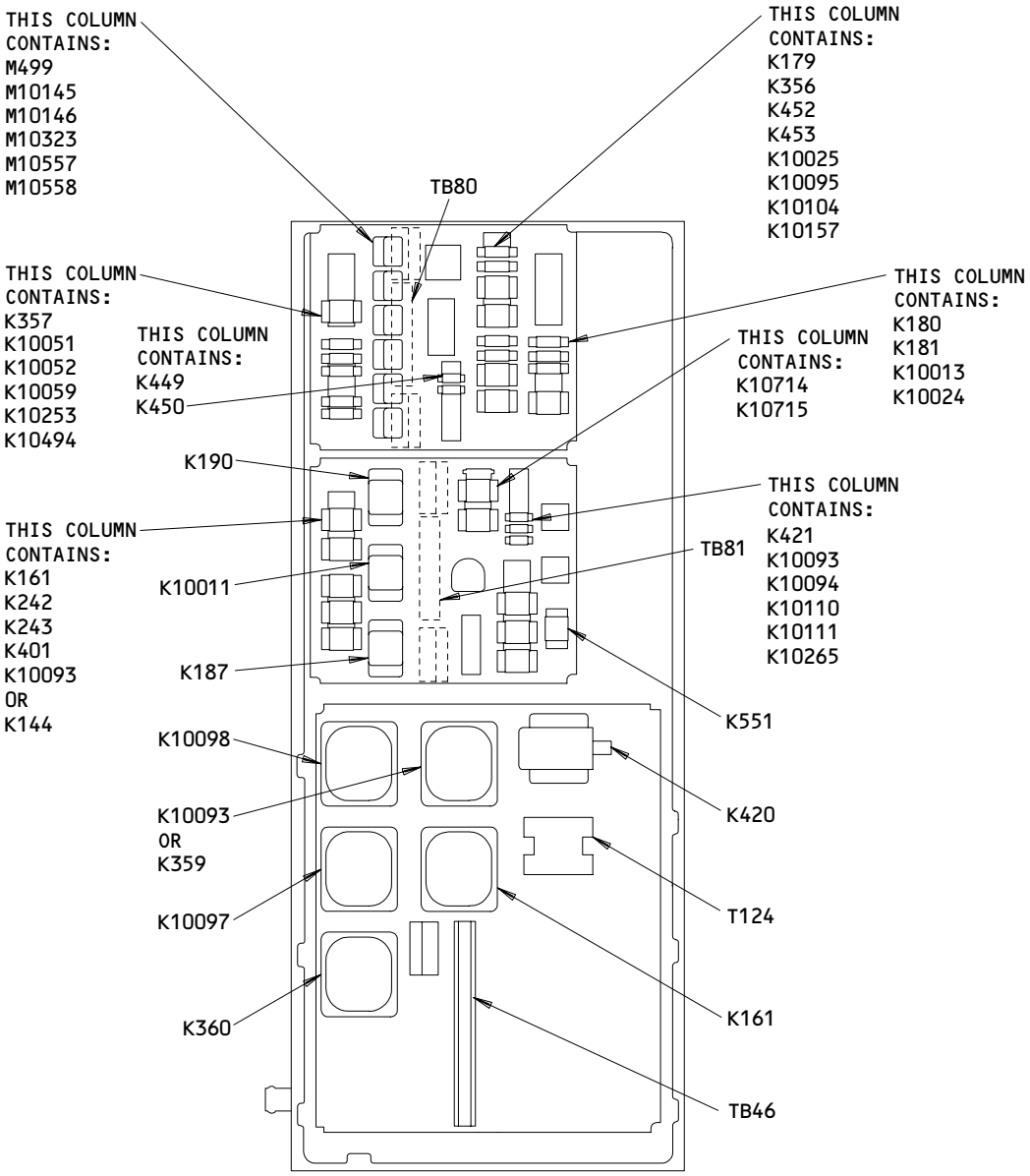
NOTE: THE (X) BELOW THE ACCESS/AREA REFERS TO THE VIEW SHOWN ON FIG. 102. THIS HELPS YOU FIND THE COMPONENTS ON THE ILLUSTRATION. FOR EXAMPLE, (A) REFERS TO VIEW A.

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



MAIN EQUIPMENT CENTER

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



P33 PANEL

A

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

APU/EXTERNAL POWER PANEL, P34

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

* SEE THE WDM EQUIPMENT LIST

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

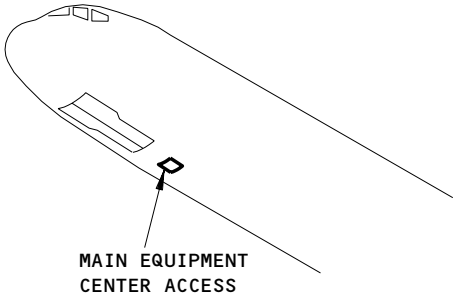
APU/External Power Panel, P34 - Component Index
Figure 101 (Sheet 1)

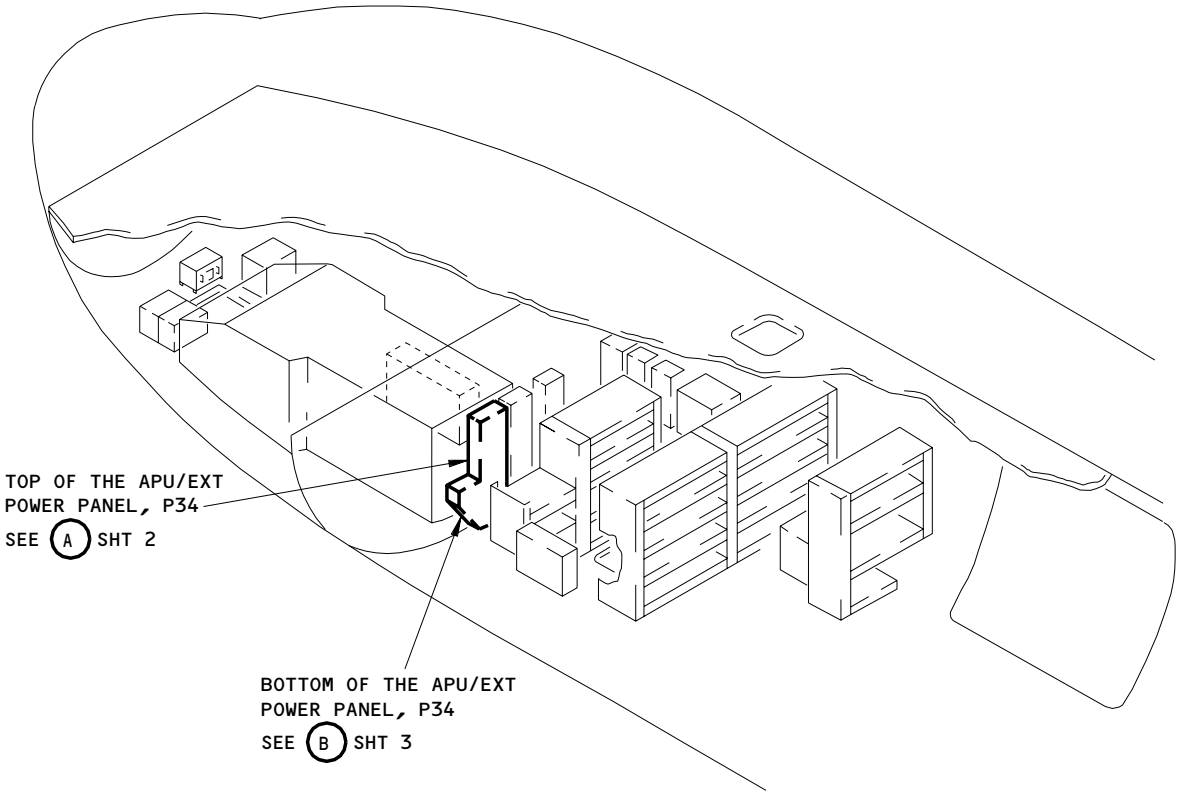
COMPONENT	FIG. 102 SHT	QTY	ACCESS/AREA	AMM REFERENCE
SWITCH -			119BL, MAIN EQUIP CTR, P34	
S10259	3	1	(B)	*
TERMINAL BLOCK -			119BL, MAIN EQUIP CTR, P34	
TB47	3	1	(B)	*
TB5034	2	1	(A)	*
TRANSFORMER -			119BL, MAIN EQUIP CTR, P34	
T103	2	1	(A)	*
T111	2	1	(A)	*
T115	2	1	(A)	*
T116	2	1	(A)	*
T122	2	1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

* SEE THE WDM EQUIPMENT LIST

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

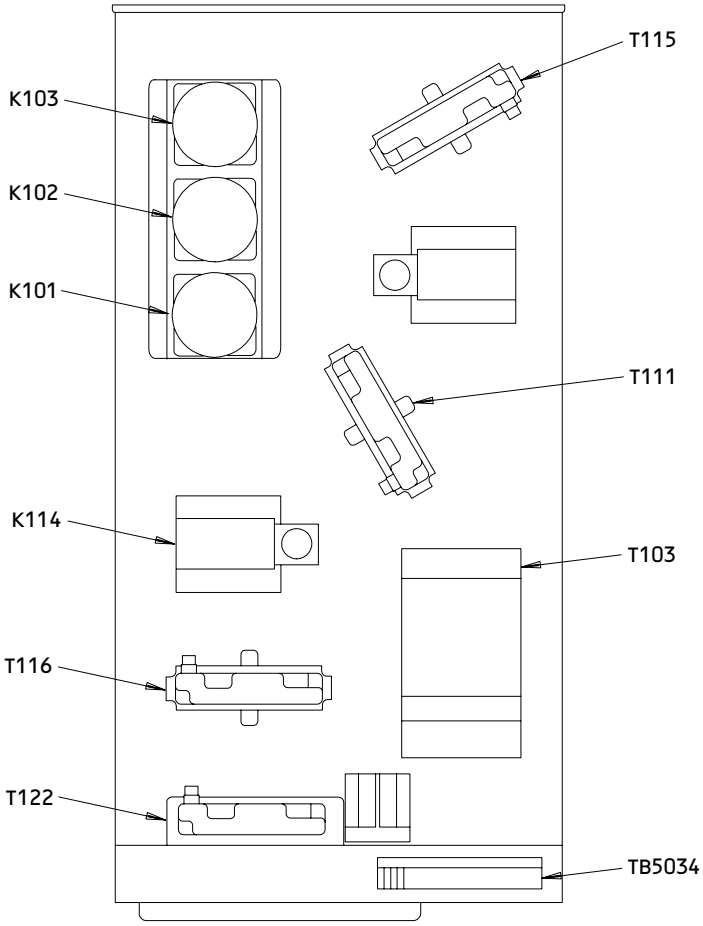
APU/External Power Panel, P34 - Component Index
Figure 101 (Sheet 2)





MAIN EQUIPMENT CENTER

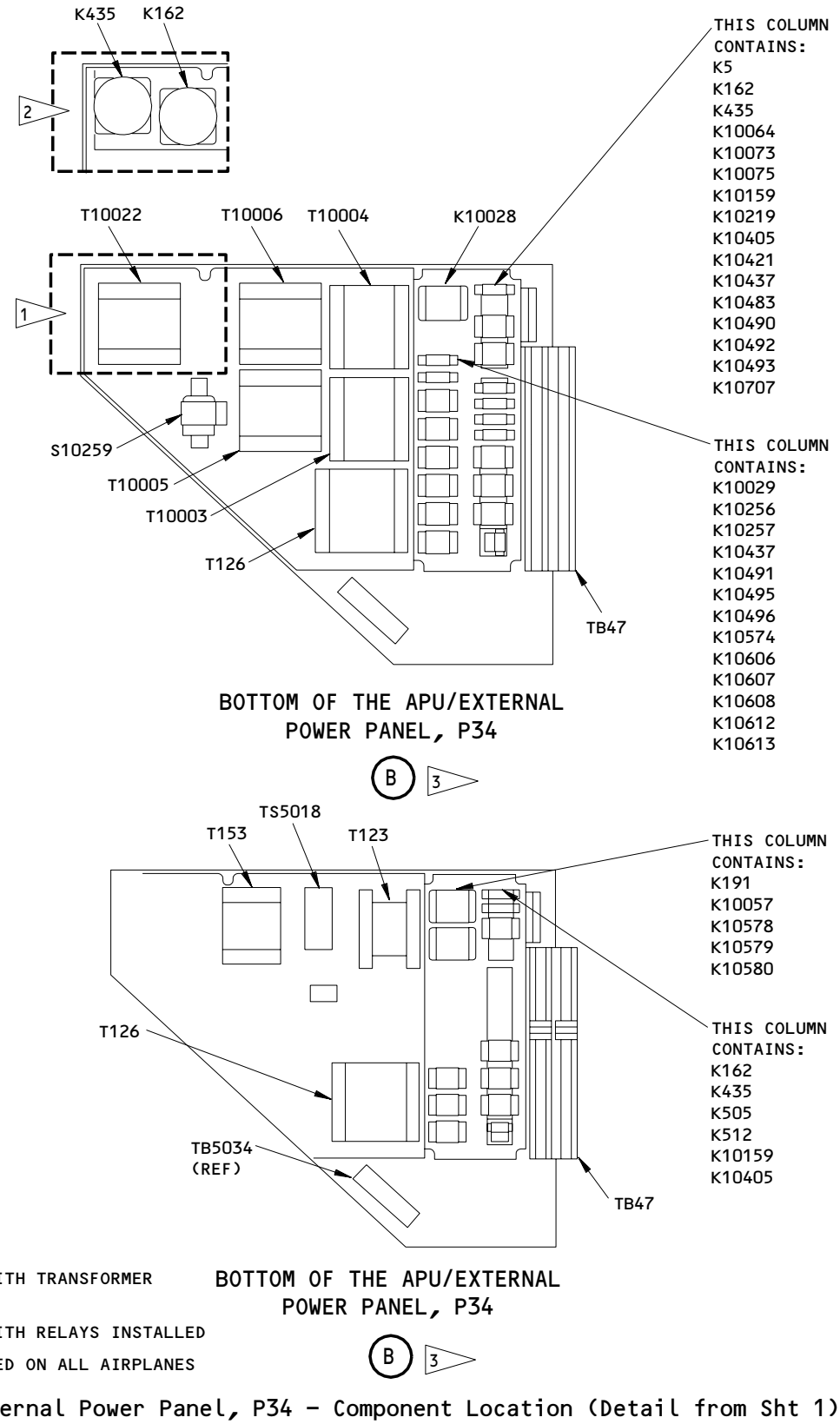
APU/External Power Panel, P34 - Component Location
Figure 102 (Sheet 1)



TOP OF THE APU/EXTERNAL POWER PANEL, P34

(A)

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



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

LEFT MISCELLANEOUS ELECTRICAL EQUIPMENT PANEL, P36

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

* SEE THE WDM EQUIPMENT LIST

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

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

A80051

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

* SEE THE WDM EQUIPMENT LIST

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

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

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

* SEE THE WDM EQUIPMENT LIST

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

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

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

* SEE THE WDM EQUIPMENT LIST

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

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

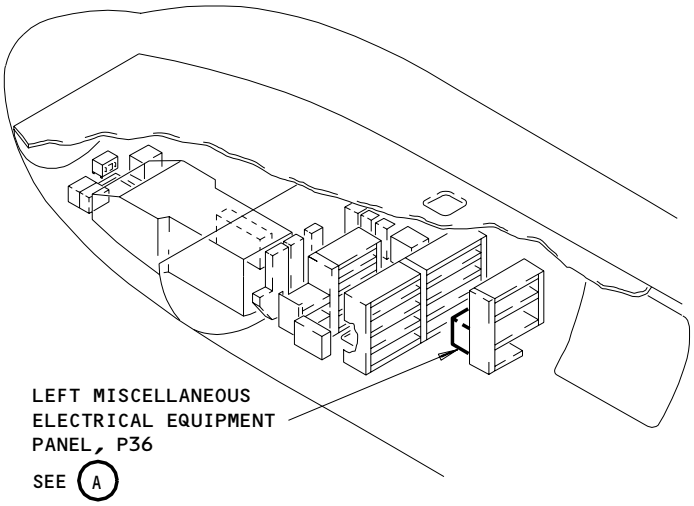
COMPONENT	FIG. 102 SHT	QTY	ACCESS/AREA	AMM REFERENCE
RELAY (CONT) -			119BL, MAIN EQUIP CTR, P36	
K10675	3	1	(D)	*
K10682	3	1	(D)	*
K10691	2	1	(B)	*
K10695	3	1	(D)	*
K10696	3	1	(D)	*
K10708	2	1	(B)	*
K10712	2	1	(B)	*
K10716	2	1	(B)	*
K10725	2	1	(B)	*
K10730	3	1	(D)	*
K10856	2	1	(B)	*
K10611	3	1	(D)	*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

* SEE THE WDM EQUIPMENT LIST

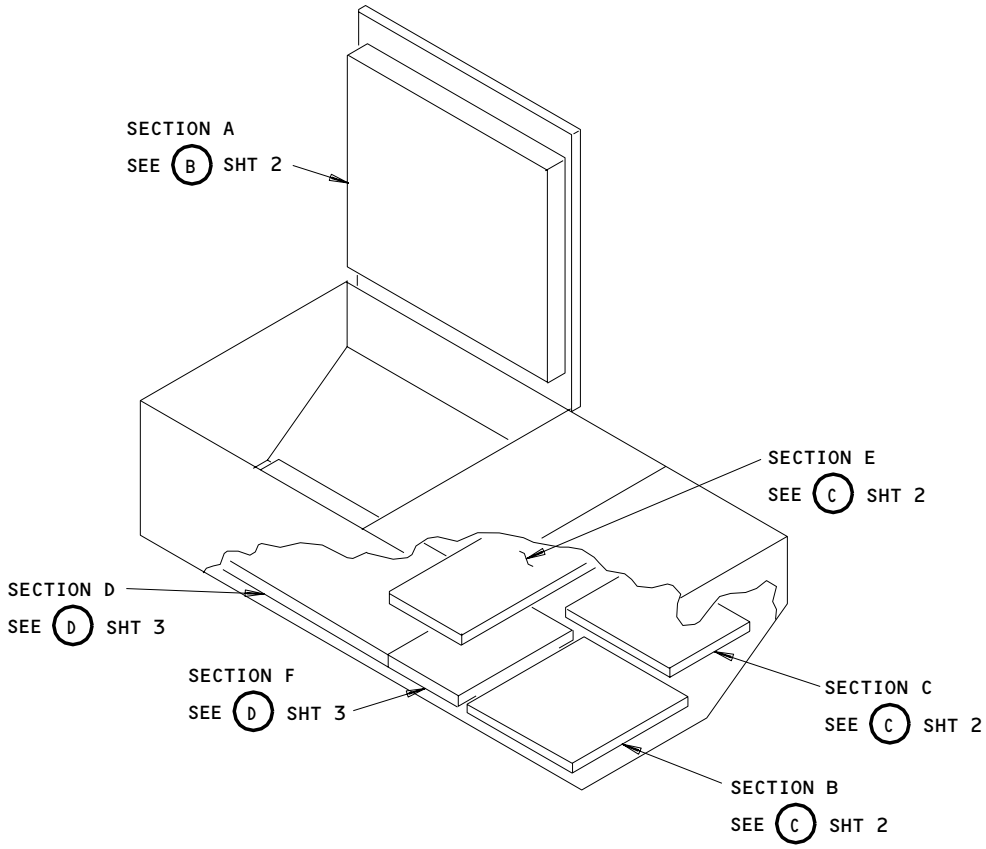
NOTE: THE (X) BELOW THE ACCESS/AREA REFERS TO THE VIEW SHOWN ON FIG. 102. THIS HELPS YOU FIND THE COMPONENTS ON THE ILLUSTRATION. FOR EXAMPLE, (A) REFERS TO VIEW A.

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

C41743



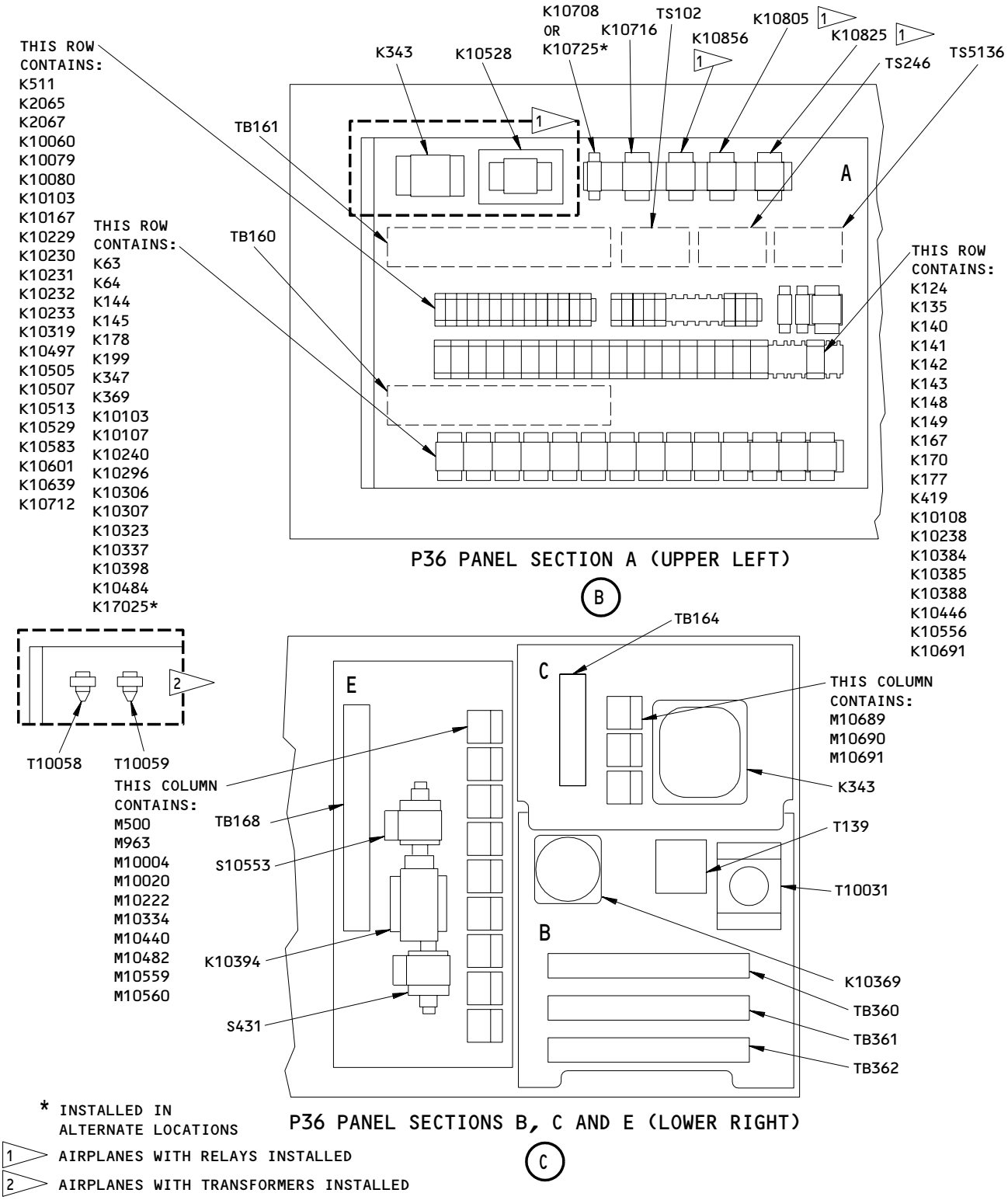
MAIN EQUIPMENT CENTER



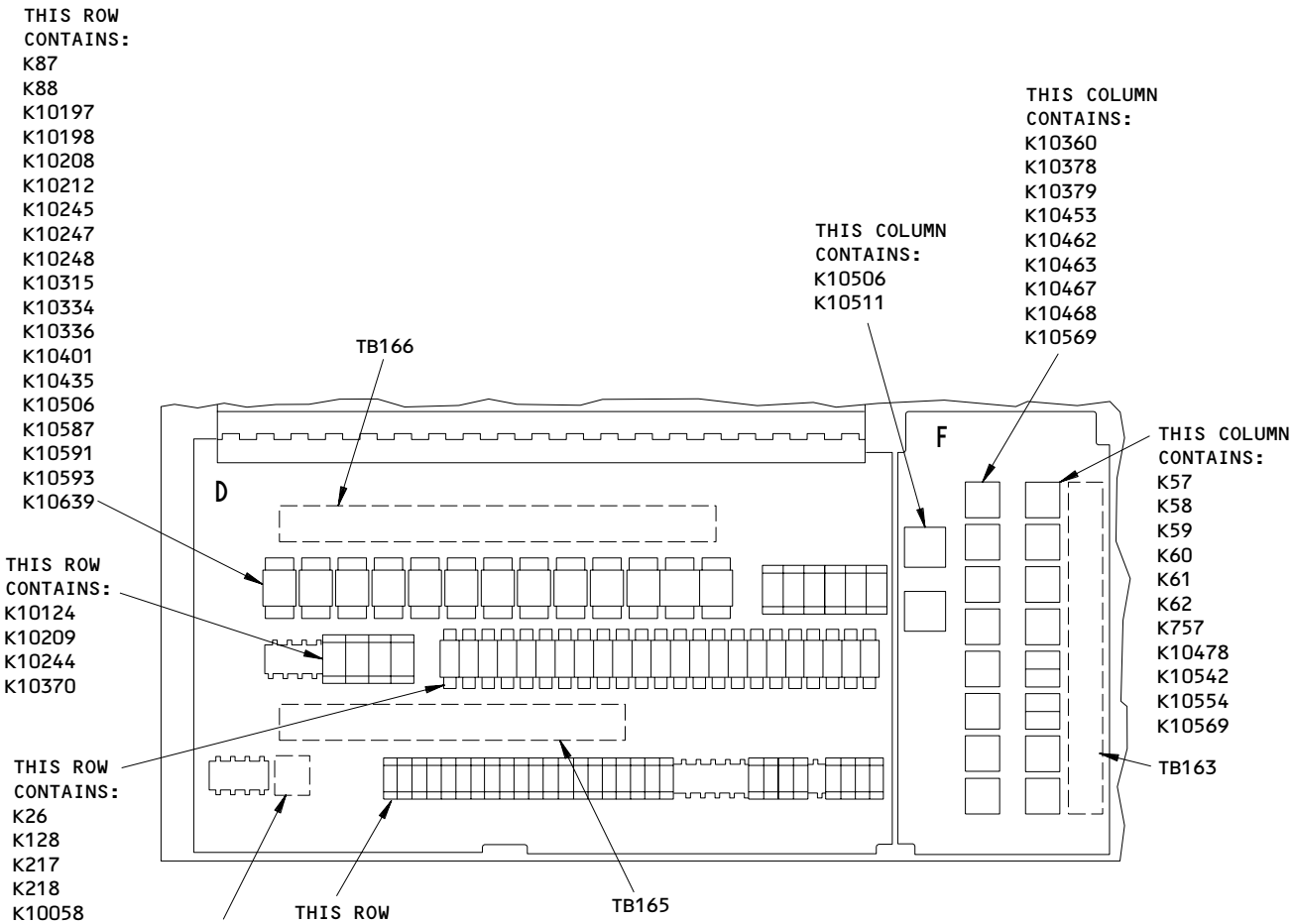
P36 PANEL

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 SECTIONS D AND F
(LOWER LEFT)

(D)

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

RIGHT MISCELLANEOUS ELECTRICAL EQUIPMENT PANEL, P37

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

* SEE THE WDM EQUIPMENT LIST

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

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

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

* SEE THE WDM EQUIPMENT LIST

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

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

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

* SEE THE WDM EQUIPMENT LIST

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

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

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

* SEE THE WDM EQUIPMENT LIST

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

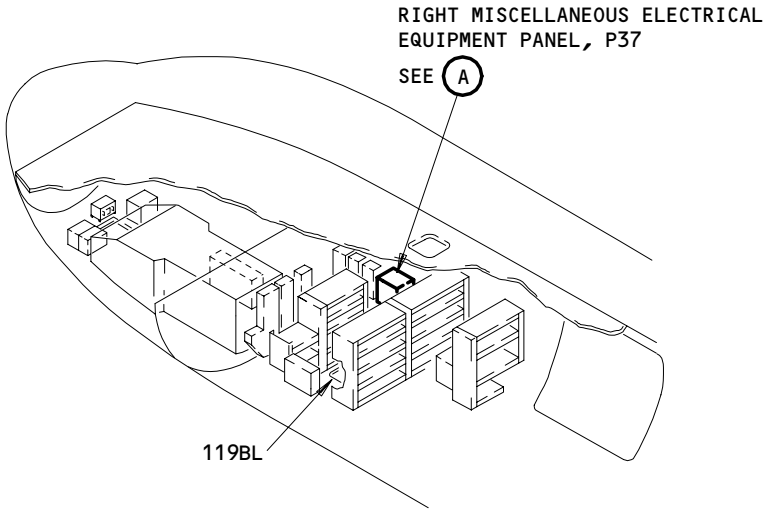
Right Miscellaneous Electrical Equipment Panel, P37 - Component Index
Figure 101 (Sheet 4)

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

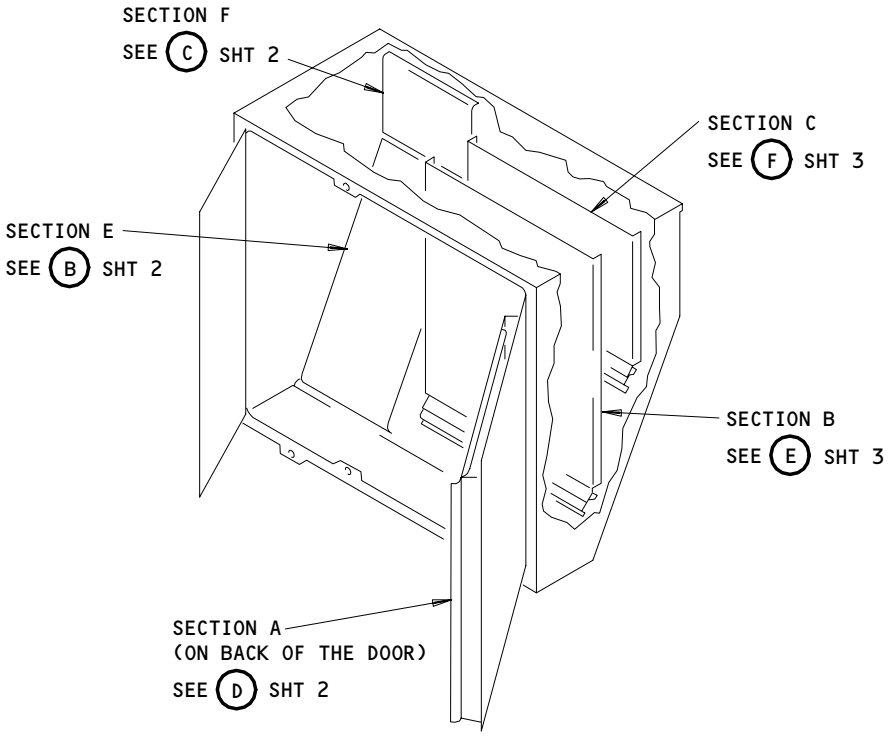
* SEE THE WDM EQUIPMENT LIST

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

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



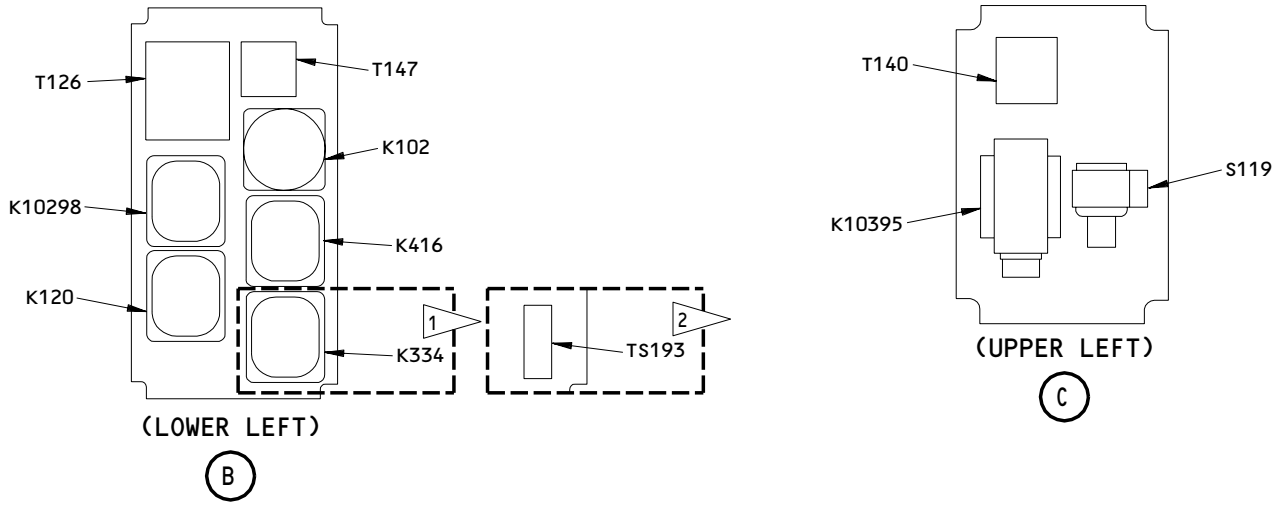
MAIN EQUIPMENT CENTER

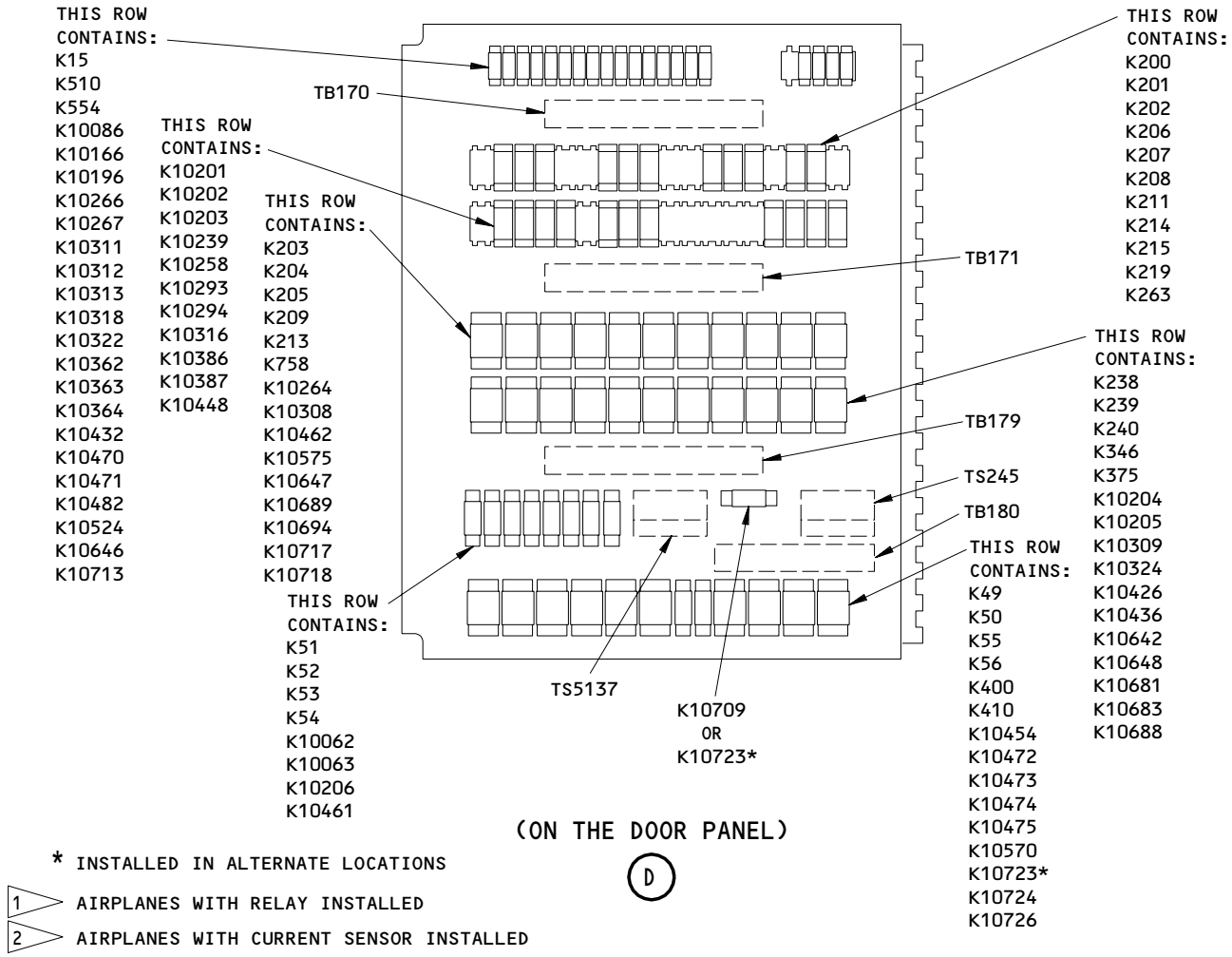


P37 PANEL

A

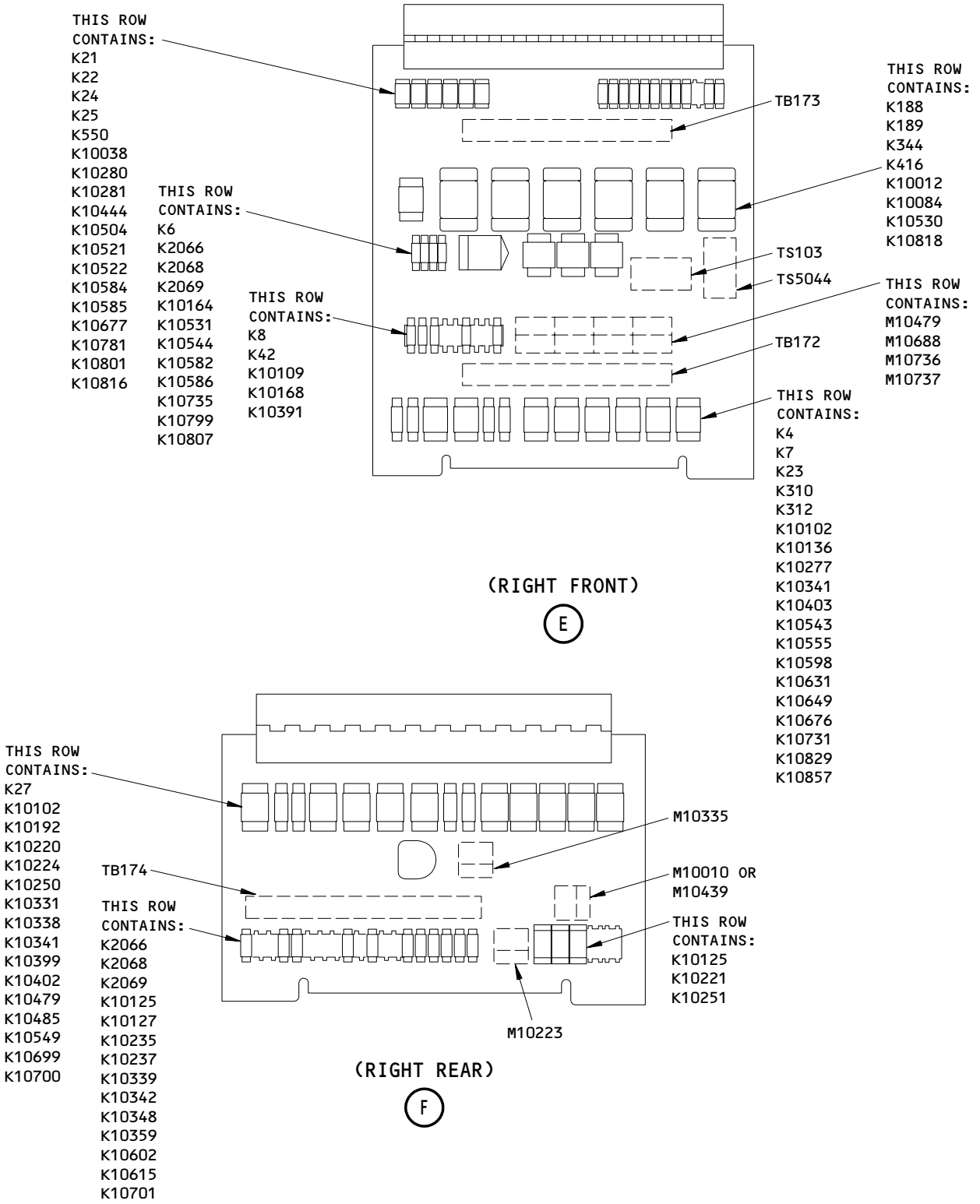
Rigt Miscellaneous Electrical Equipment Panel, P37 - Component Location
Figure 102 (Sheet 1)





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

A78629



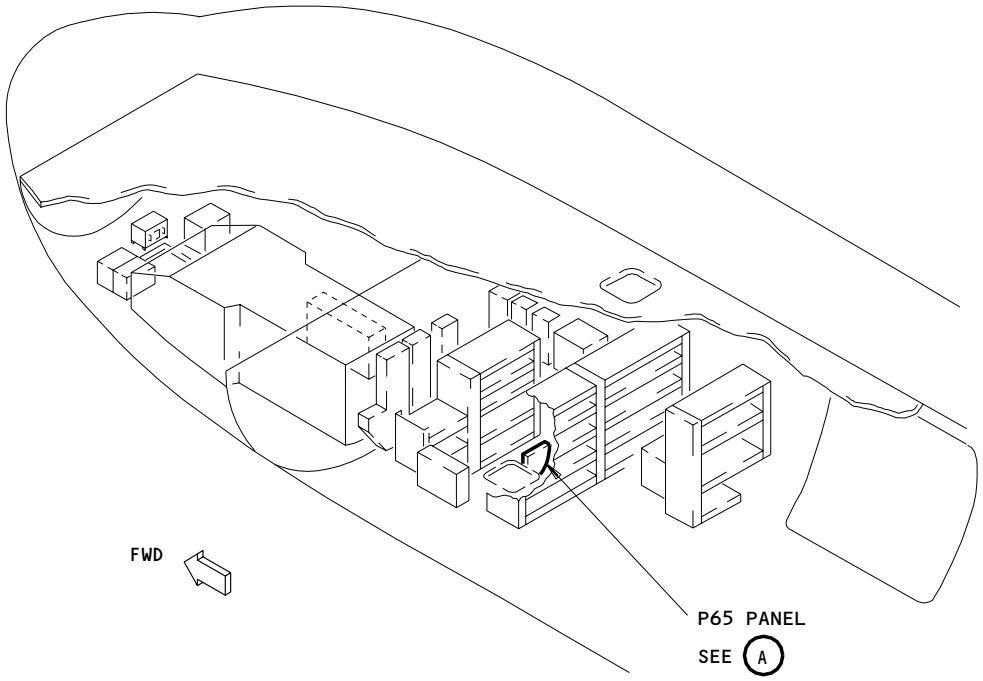
Right Miscellaneous Electrical Equipment Panel, P37 – Component Location
Figure 102 (Sheet 3)

MISCELLANEOUS ELECTRICAL EQUIPMENT PANEL, P65

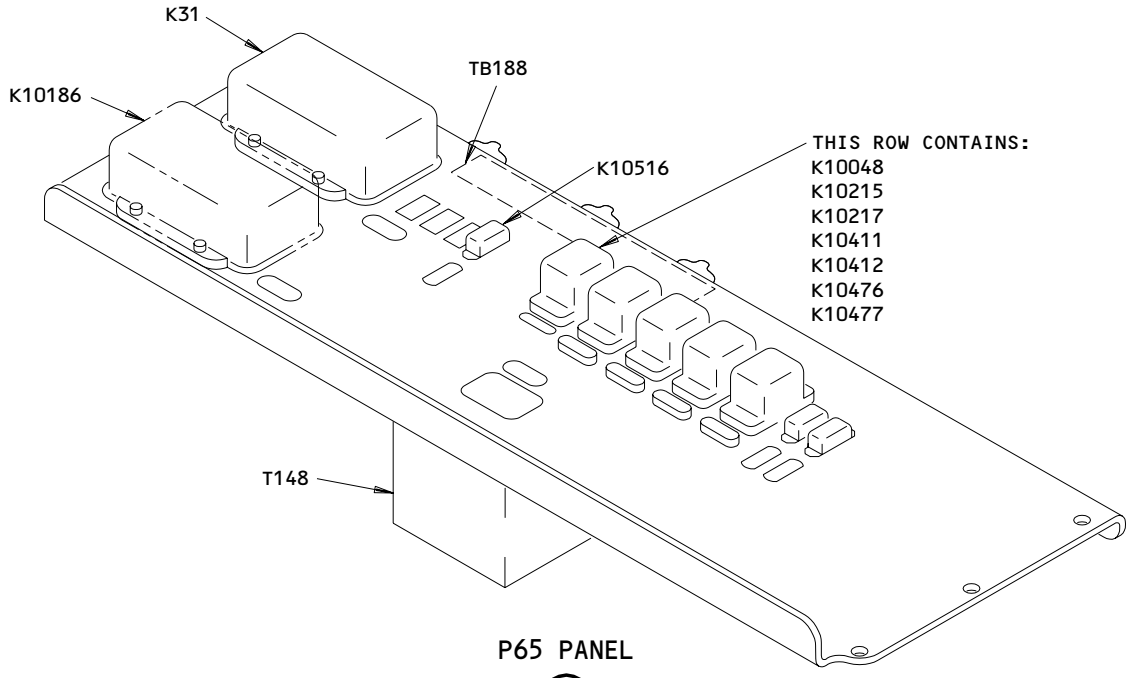
COMPONENT	FIG. 102 SHT	QTY	ACCESS/AREA	REFERENCE
RELAYS –			119BL, MAIN EQUIP CTR, P65	
K31		1		*
K10048		1		*
K10186		1		*
K10215		1		*
K10217		1		*
K10411		1		*
K10412		1		*
K10476		1		*
K10477		1		*
K10516		1		*
TERMINAL BLOCK –			119BL, MAIN EQUIP CTR, P65	
TB188		1		*
TRANSFORMER –			119BL, MAIN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

* SEE THE WDM EQUIPMENT LIST

Miscellaneous Electrical Equipment Panel, P65 – Component Index
Figure 101



MAIN EQUIPMENT CENTER



P65 PANEL
A

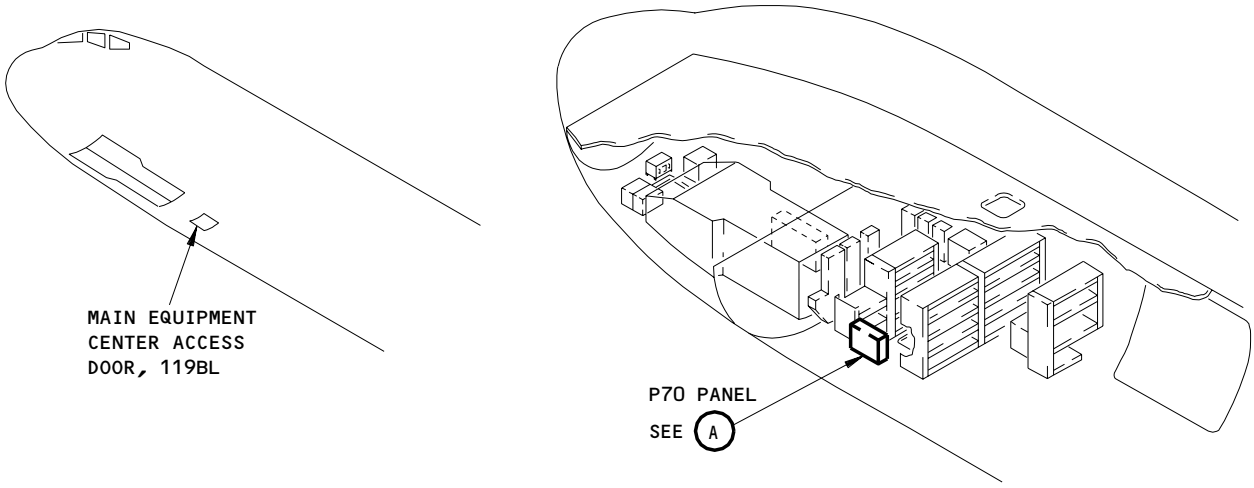
Miscellaneous Electrical Equipment Panel, P65 - Component Location
Figure 102

MISCELLANEOUS ELECTRICAL EQUIPMENT PANEL, P70

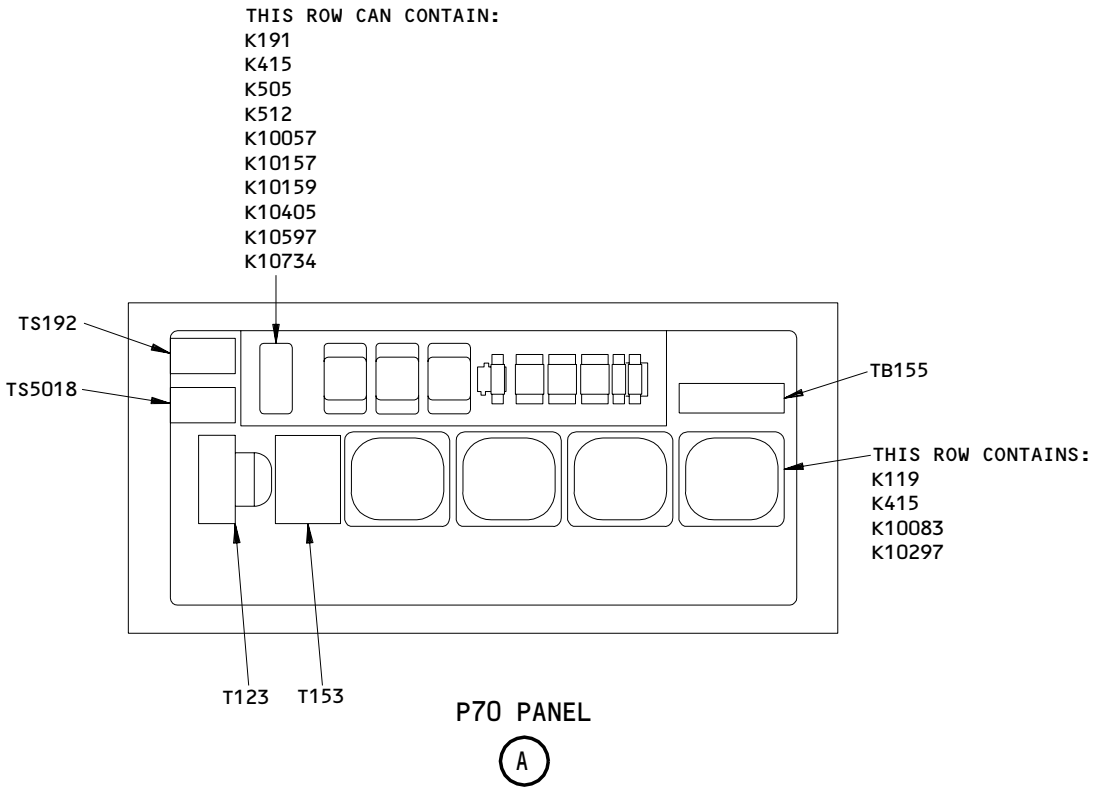
COMPONENT	FIG. 102 SHT	QTY	ACCESS/AREA	AMM REFERENCE
SENSOR, CURRENT -			119BL, MAIN EQUIP CTR, P70	
TS192		1		*
TS5018		1		*
RELAY -			119BL, MAIN EQUIP CTR, P70	
K119		1		*
K191		1		*
K415		1		*
K505		1		*
K512		1		*
K10057		1		*
K10083		1		*
K10157		1		*
K10159		1		*
K10297		1		*
K10405		1		*
K10597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

* SEE THE WDM EQUIPMENT LIST

Miscellaneous Electrical Equipment Panel, P70 - Component Index
Figure 101



MAIN EQUIPMENT CENTER



P70 PANEL

A

Miscellaneous Electrical Equipment Panel, P70 - Component Location
Figure 102

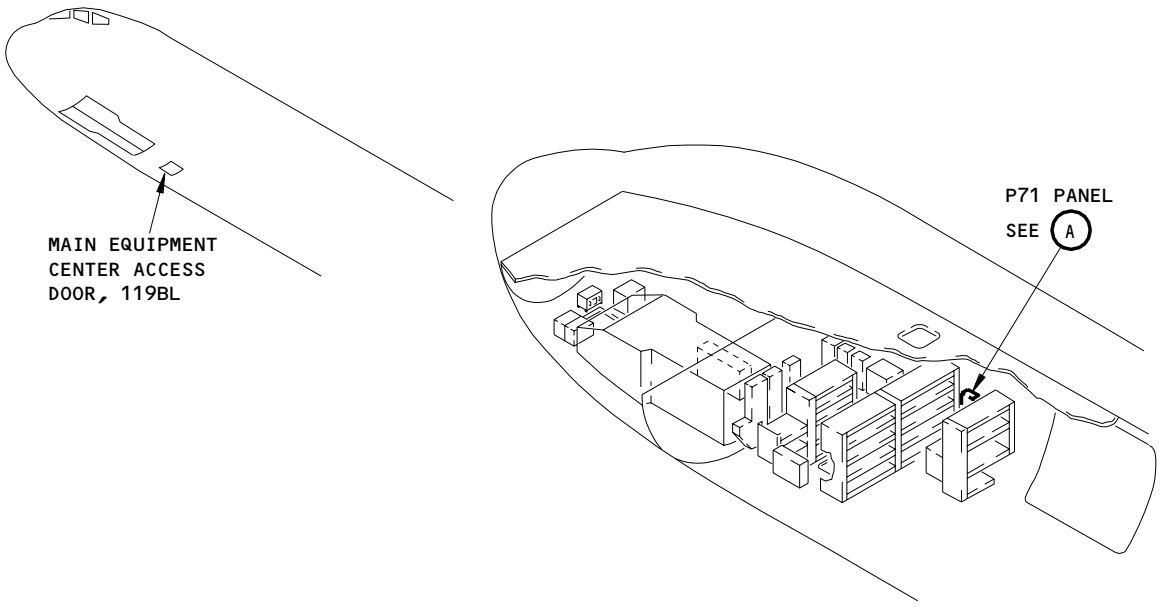
HYDRAULIC GENERATOR POWER PANEL, P71

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

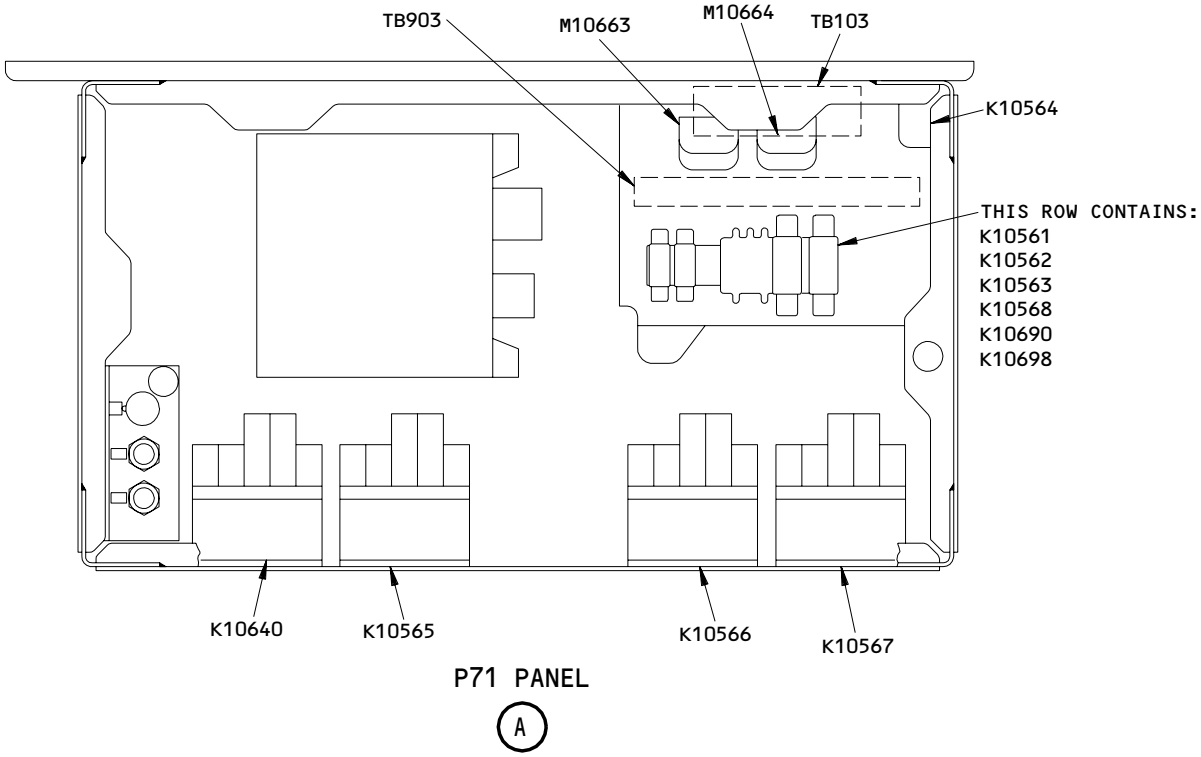
* SEE THE WDM EQUIPMENT LIST

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

Hydraulic Generator Power Panel, P71 – Component Index
Figure 101



MAIN EQUIPMENT CENTER



P71 PANEL
A

Hydraulic Generator Power Panel, P71 - Component Location
Figure 102

E6 RELAY PANEL

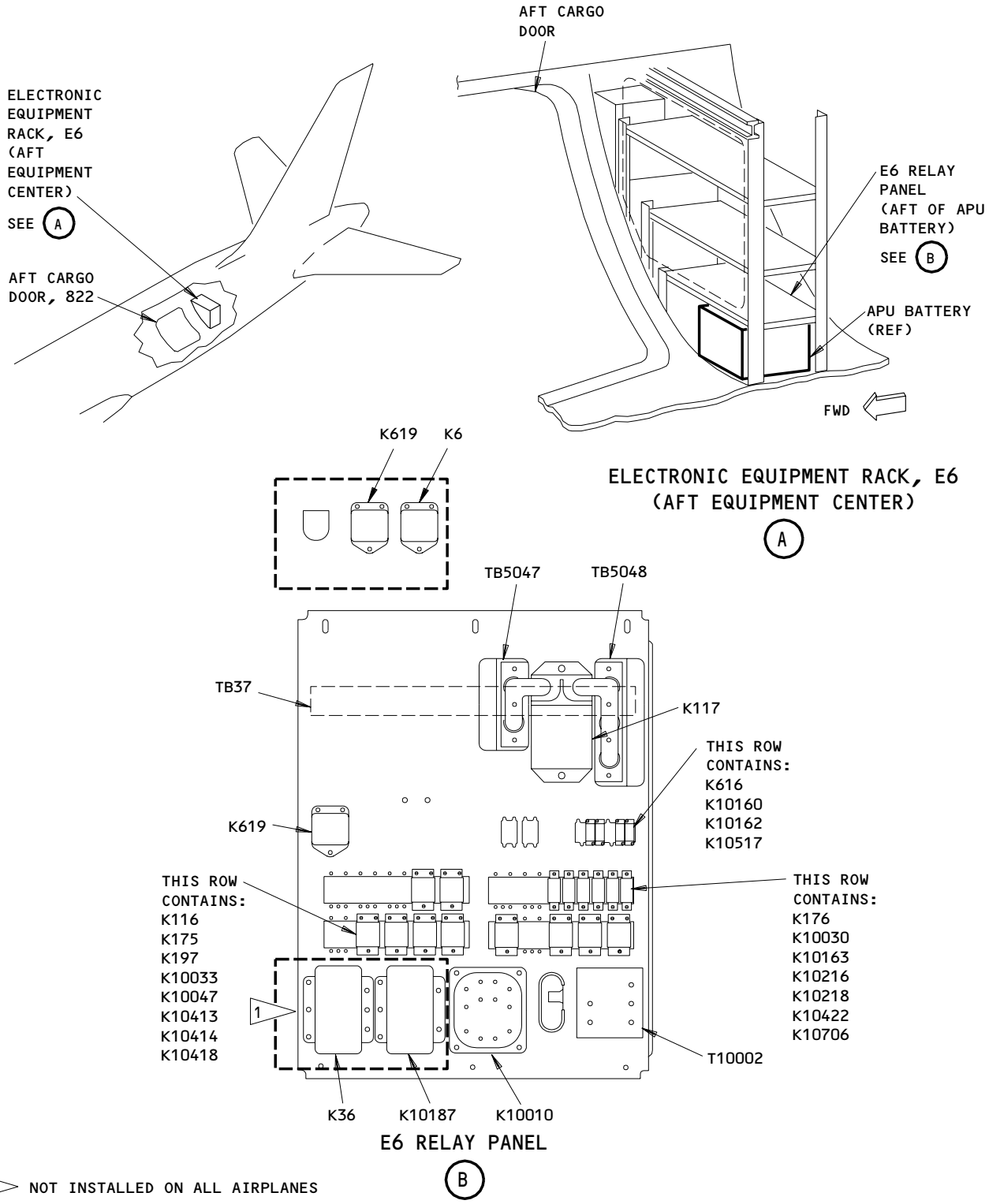
COMPONENT	FIG. 102 SHT	QTY	ACCESS/AREA	AMM REFERENCE
CONTACTOR -			822, AFT CARGO COMPT, E6	
K117		1		*
RELAY -	--		822, AFT CARGO COMPT, E6	
K6		1		*
K36		1		*
K116		1		*
K117		1		*
K175		1		*
K176		1		*
K197		1		*
K616		1		*
K619		1		*
K10010		1		*
K10030		1		*
K10033		1		*
K10047		1		*
K10160		1	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

* SEE THE WDM EQUIPMENT LIST

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

E6 Relay Panel - Component Index
Figure 101

A80164



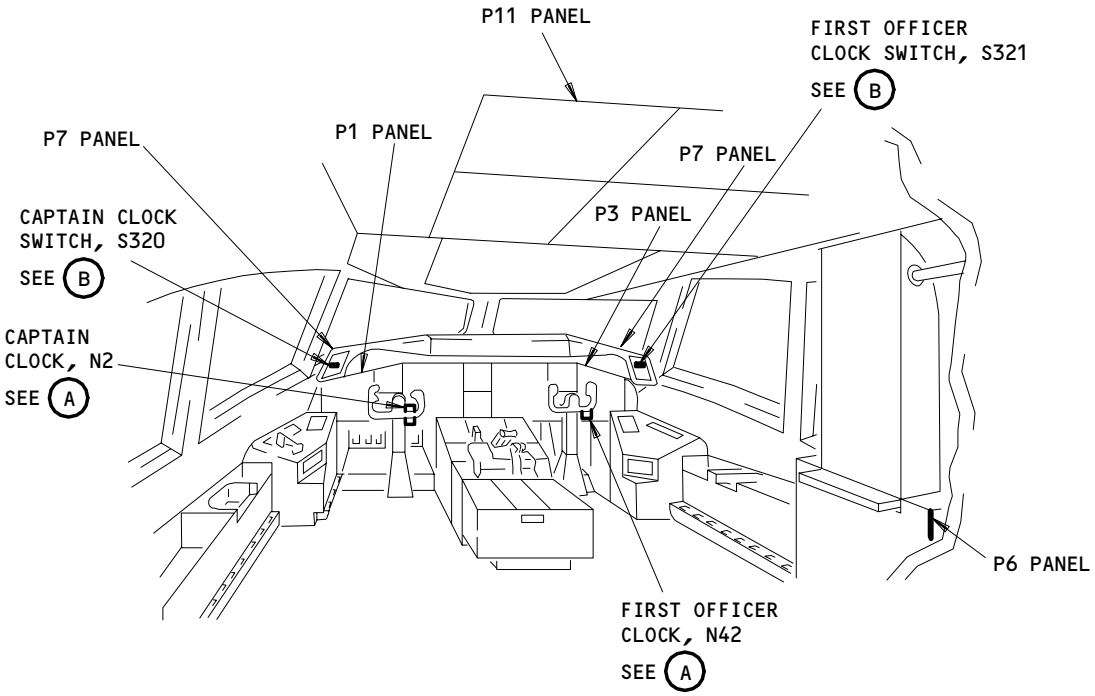
E6 Relay Panel - Component Location
Figure 102

CLOCKS

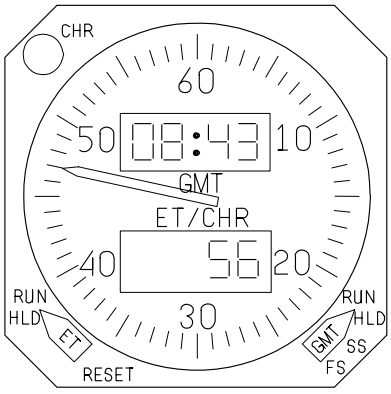
COMPONENT	FIG. 102 SHT	QTY	ACCESS/AREA	REFERENCE
CIRCUIT BREAKERS	--		FLT COMPT, P6	
CLOCK TIME BASE L, C563		1	6G2	*
CLOCK TIME BASE R, C576		1	6G3	*
CIRCUIT BREAKERS	--		FLT COMPT, P11	
CLOCK IND LEFT, C573		1	11B17	*
CLOCK IND RIGHT, C574		1	11J35	*
CLOCK - CAPT, N2	--	1	FLT COMPT, P1	31-25-01
CLOCK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

* SEE THE WDM EQUIPMENT LIST

Clocks - Component Index
Figure 101

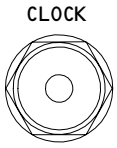


FLIGHT COMPARTMENT



CLOCK, N2 OR N42

A



CLOCK SWITCH, S320 OR S321

B

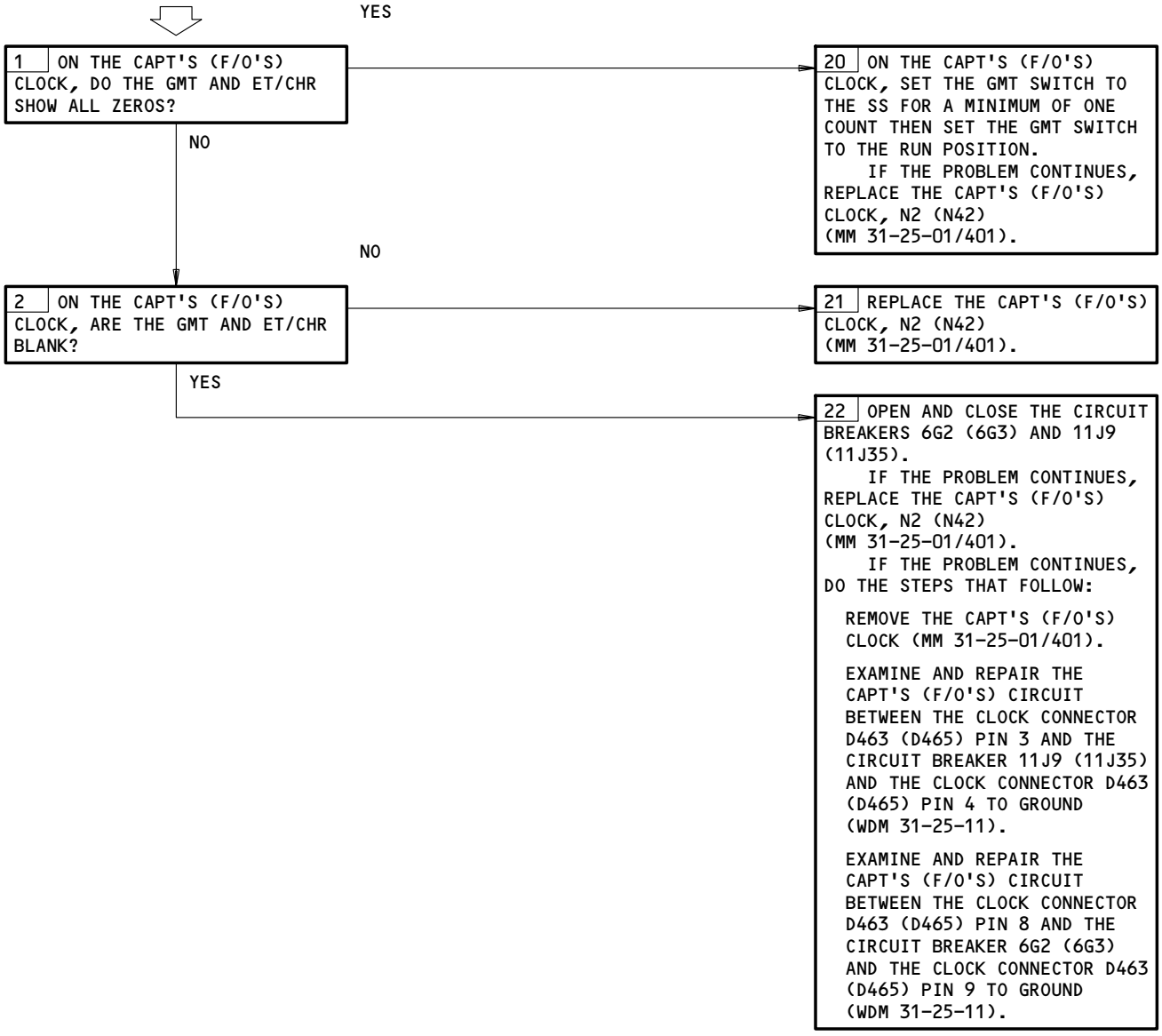
Clocks - Component Location
Figure 102

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

PREREQUISITES

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

MAKE SURE THESE CIRCUIT BREAKERS ARE CLOSED:
6G2,6G3,11J9,11J35



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

1. ARINC Data Bus Charts
   A. General

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

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

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

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

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

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

FLIGHT DATA RECORDER SYSTEM

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

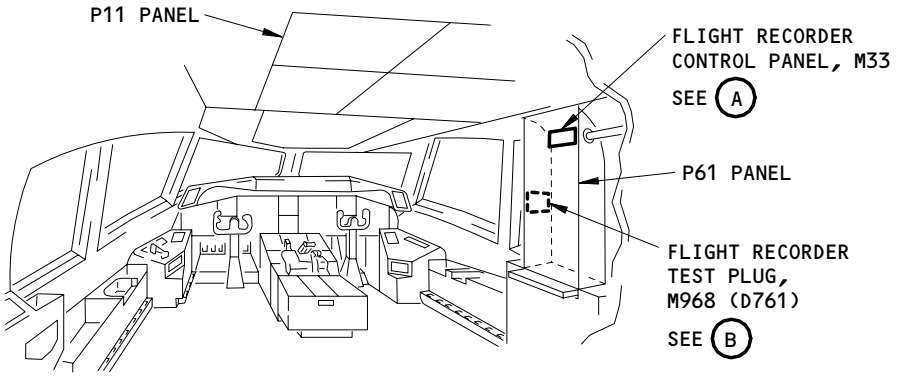
* SEE THE WDM EQUIPMENT LIST

1 GUI 115

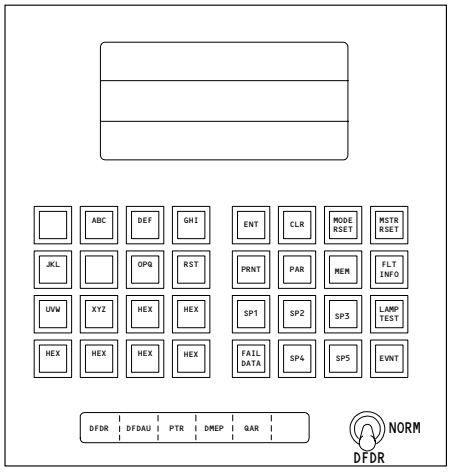
2 GUI 001-114,116-999

Flight Data Recorder System - Component Index
Figure 101

A73201

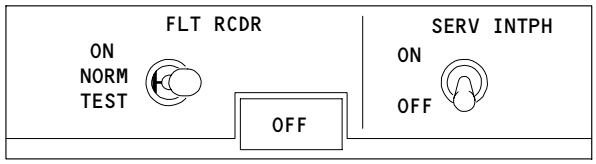


FLIGHT COMPARTMENT



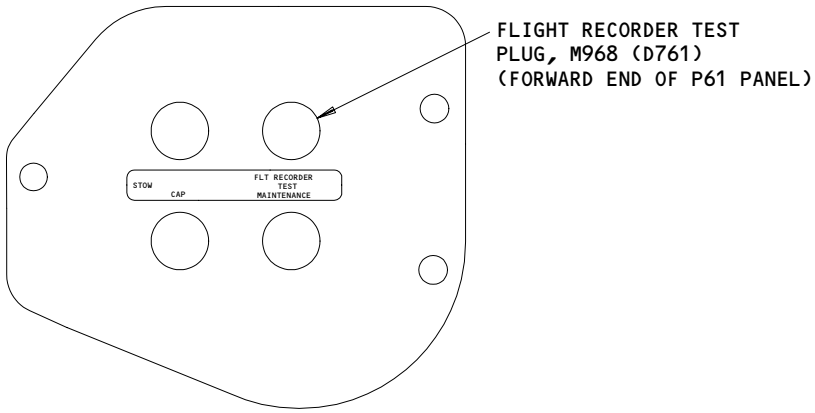
DATA MANAGEMENT ENTRY PANEL, M10301

A 1



FLIGHT RECORDER CONTROL PANEL, M33

A 2

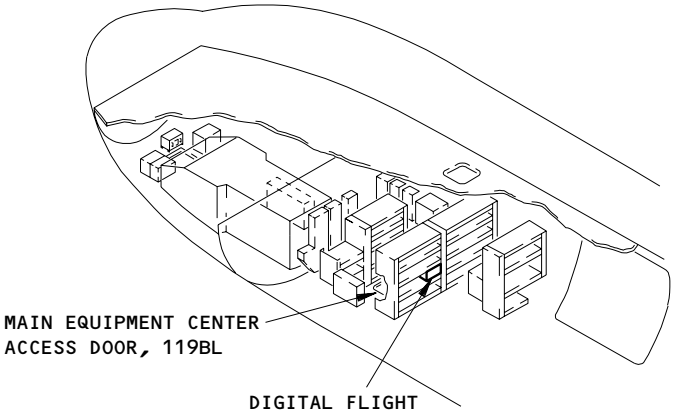


B

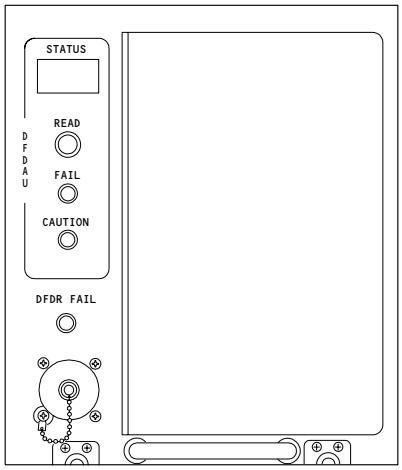
1 GUI 115
2 GUI 001-114,116-999

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

A73827

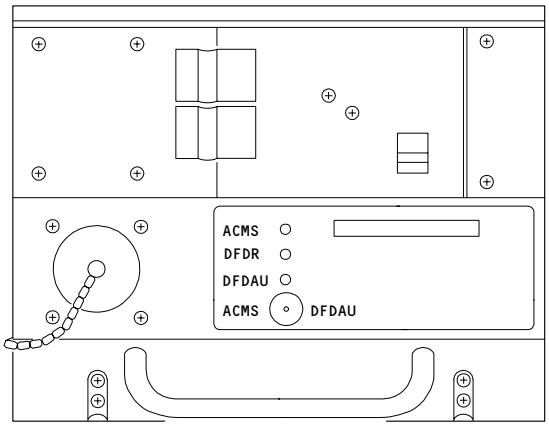


MAIN EQUIPMENT CENTER



DIGITAL FLIGHT DATA
ACQUISITION UNIT, M138

C 3



DIGITAL FLIGHT DATA
ACQUISITION UNIT

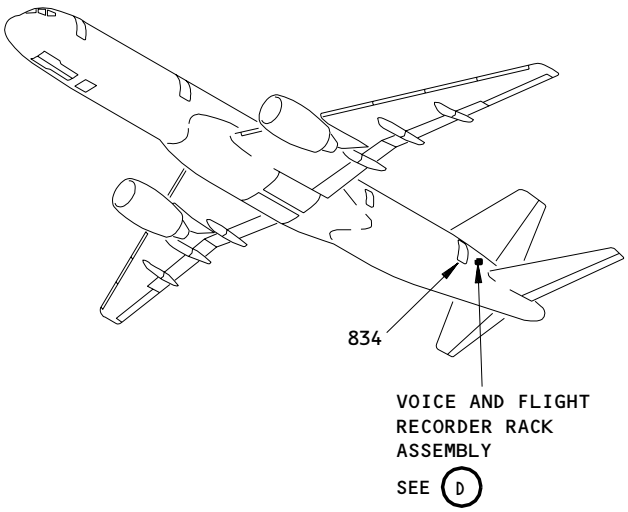
C 4

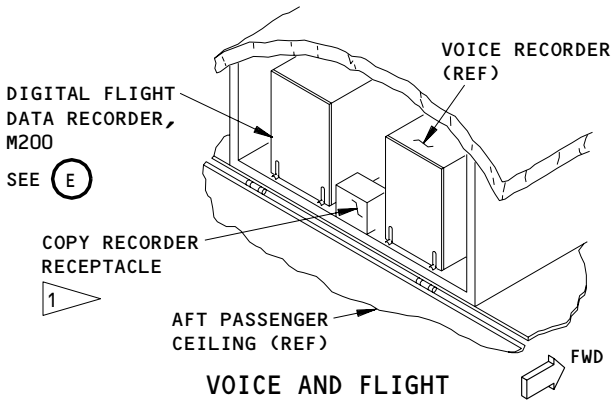
3 GUI 010, 011 PRE-SB 31-0094;
GUI 001-009, 012-015

4 GUI 010, 011 POST-SB 31-0094

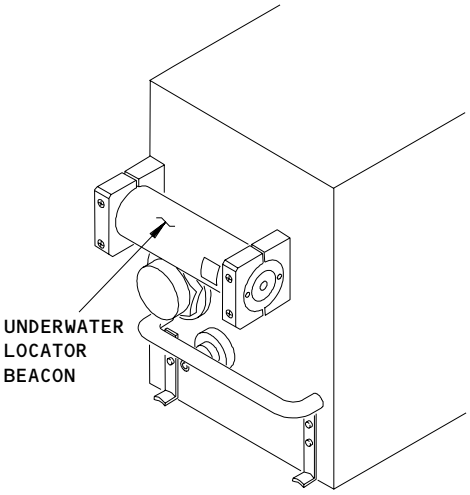
Flight Data Recorder System - Component Location
Figure 102 (Sheet 2)

M66577

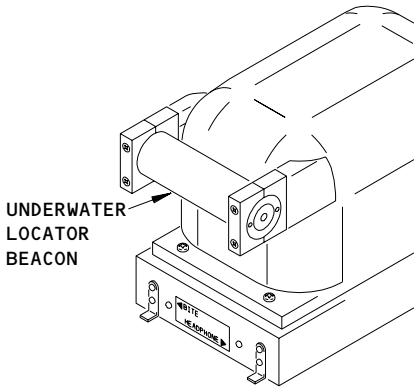




VOICE AND FLIGHT
RECORDER RACK ASSEMBLY
D



DIGITAL FLIGHT DATA
RECORDER, M200
E 3

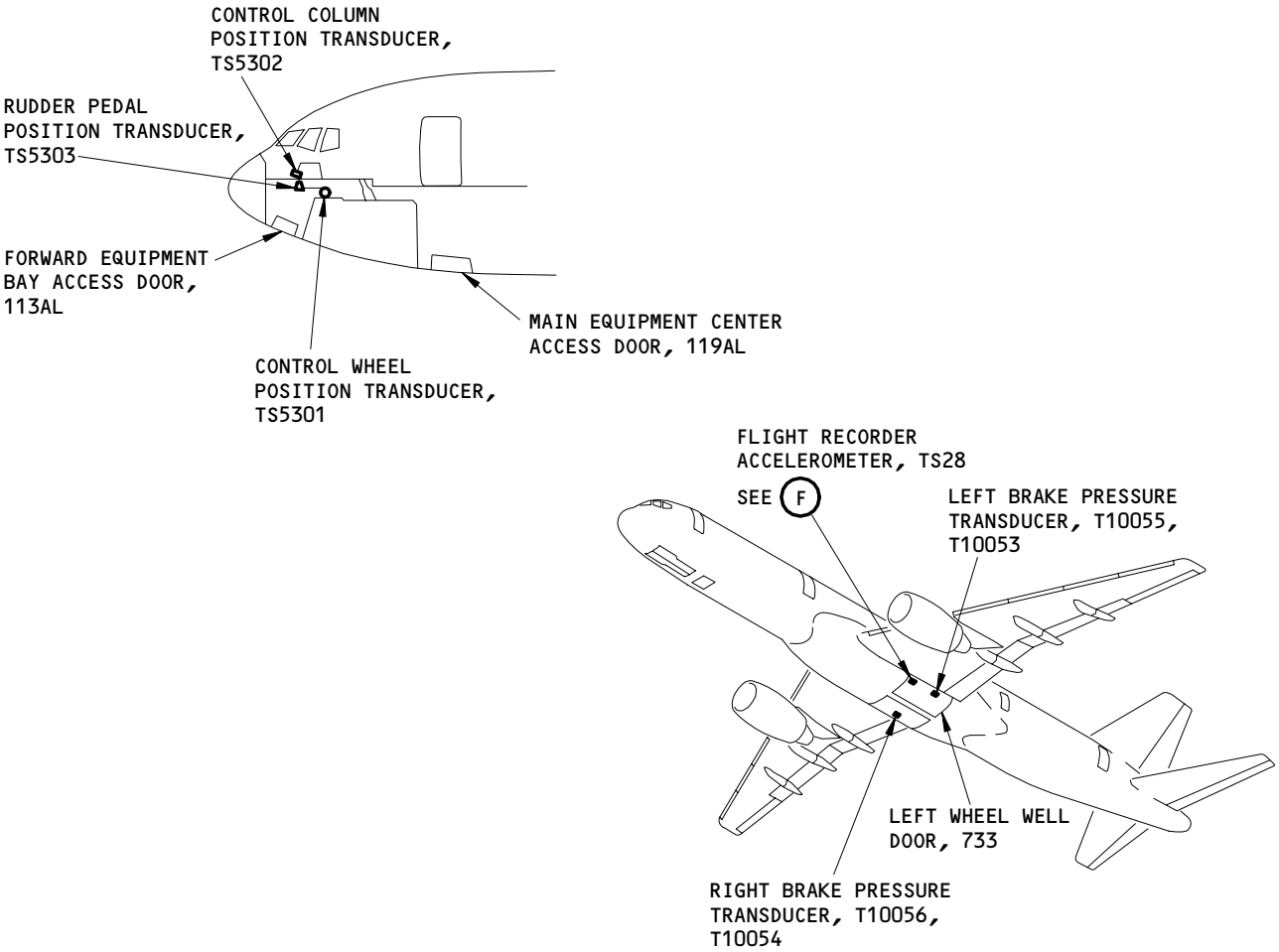


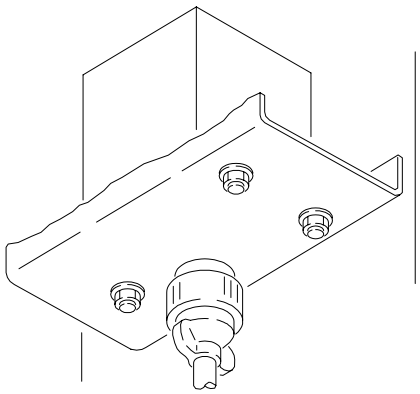
DIGITAL FLIGHT DATA
RECORDER, M200
E 4

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

4 GUI 010-011 POST-SB 31-0094

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





FLIGHT RECORDER ACCELEROMETER, TS28

F

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

Not Used
Figure 103

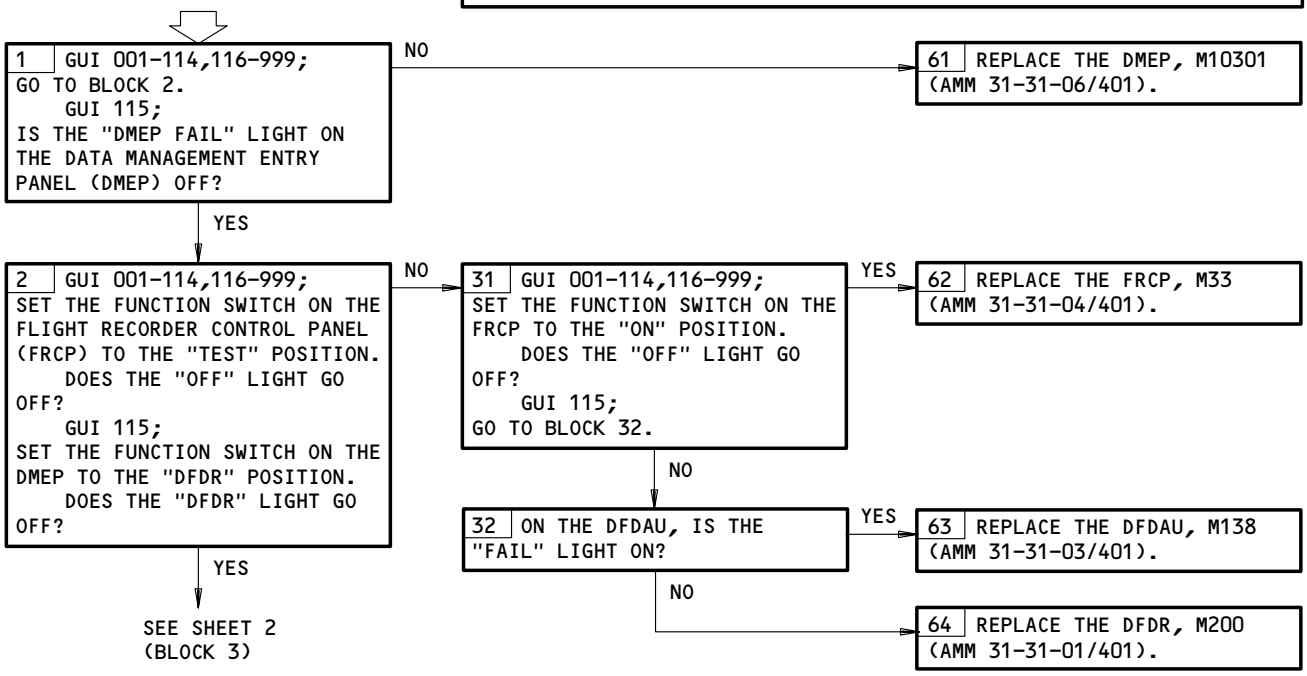
FLIGHT RECORDER SYSTEM SELF-TEST

PREREQUISITES

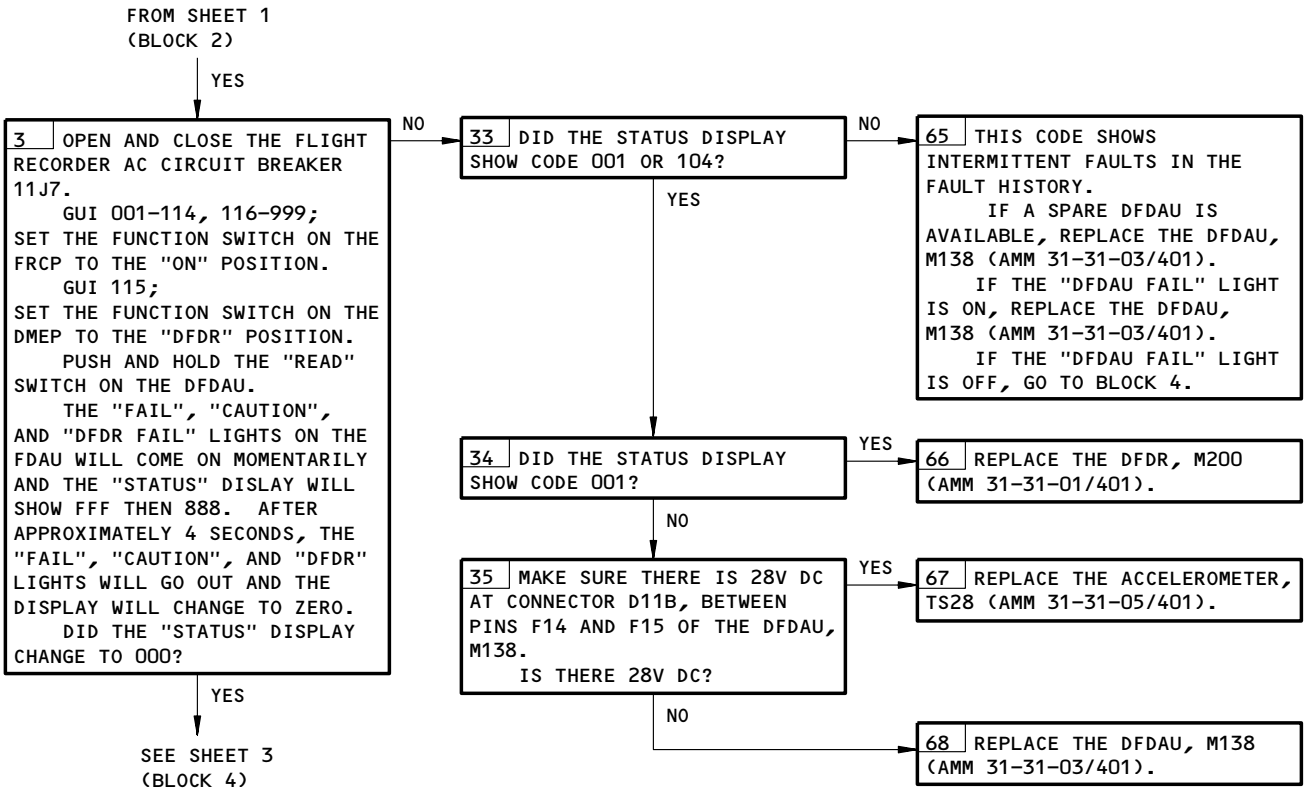
MAKE SURE THIS SYSTEM WILL OPERATE:
EICAS (AMM 31-41-00/201)

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

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

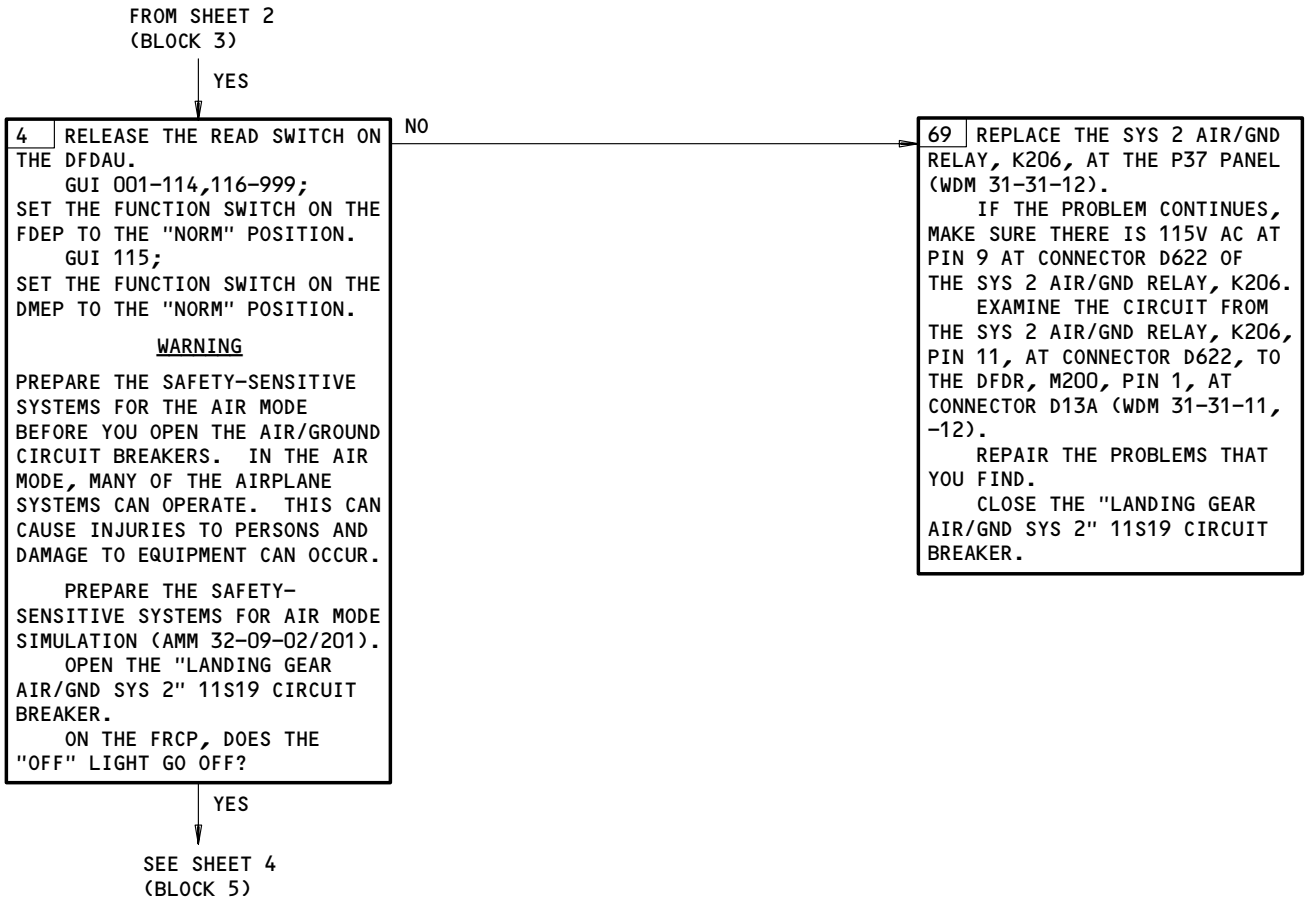


Flight Recorder System Self-Test
Figure 104 (Sheet 1)



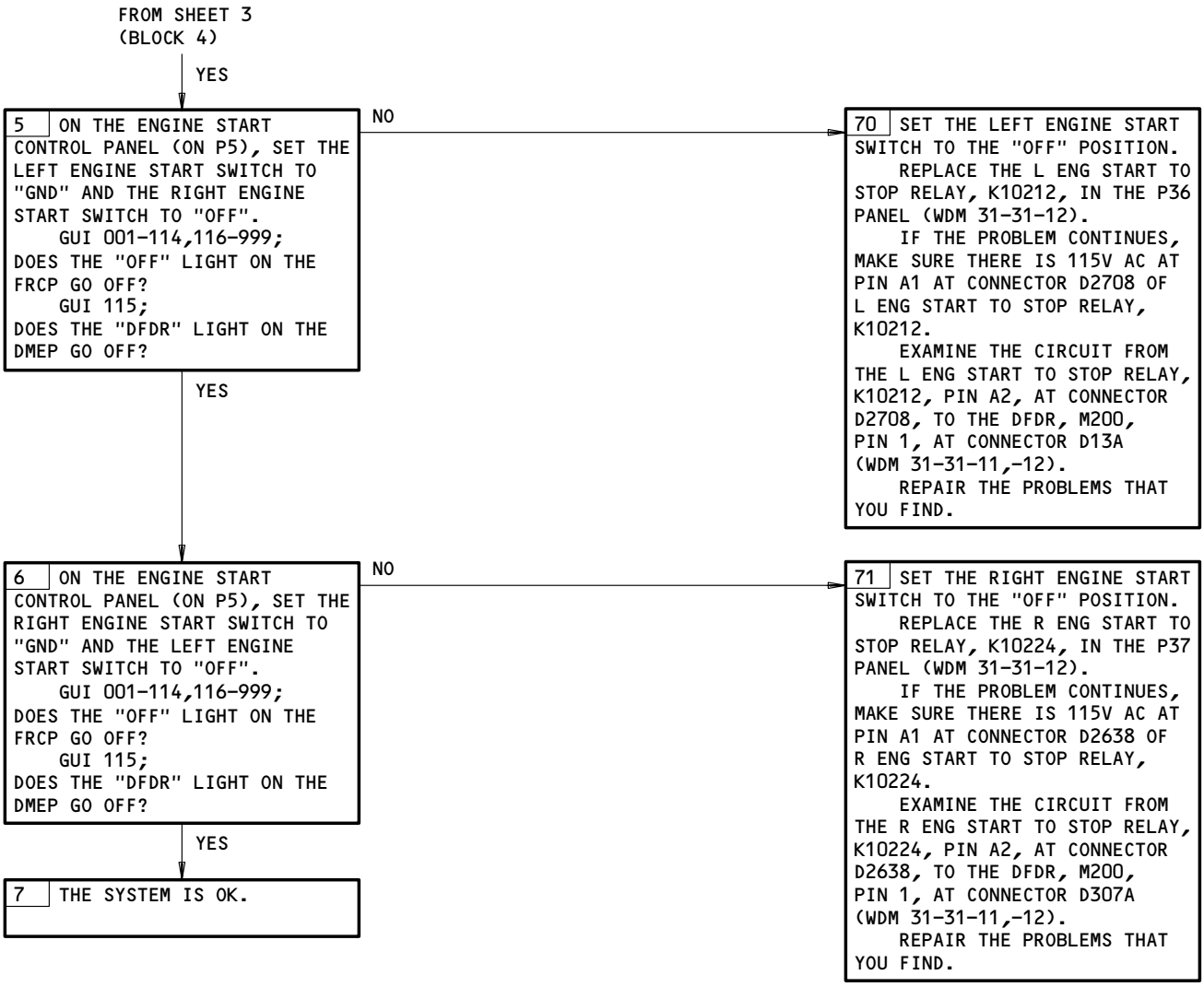
Flight Recorder System Self-Test
Figure 104 (Sheet 2)

E83534

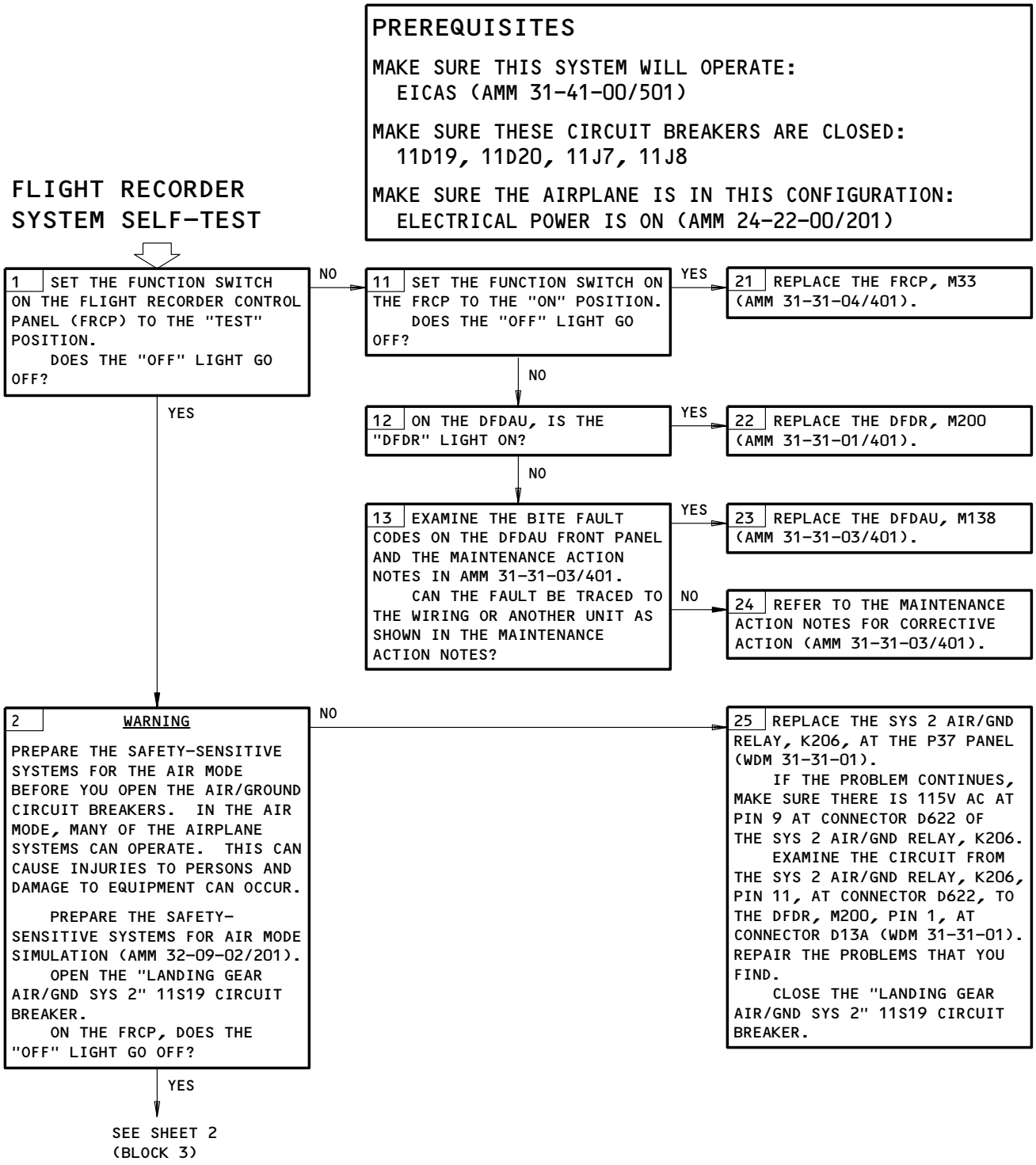


Flight Recorder System Self-Test
Figure 104 (Sheet 3)

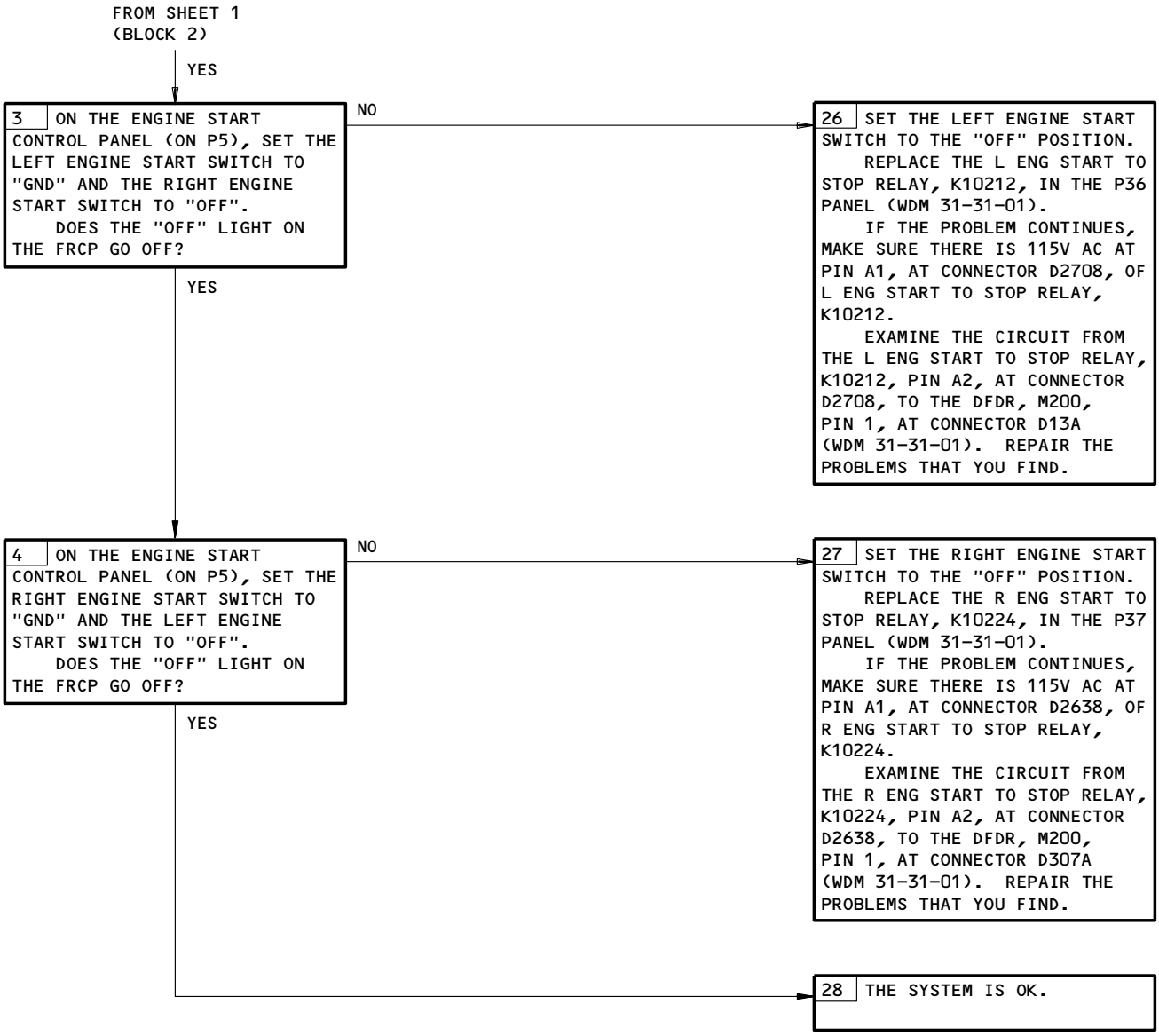
E83535



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



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



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

M66518

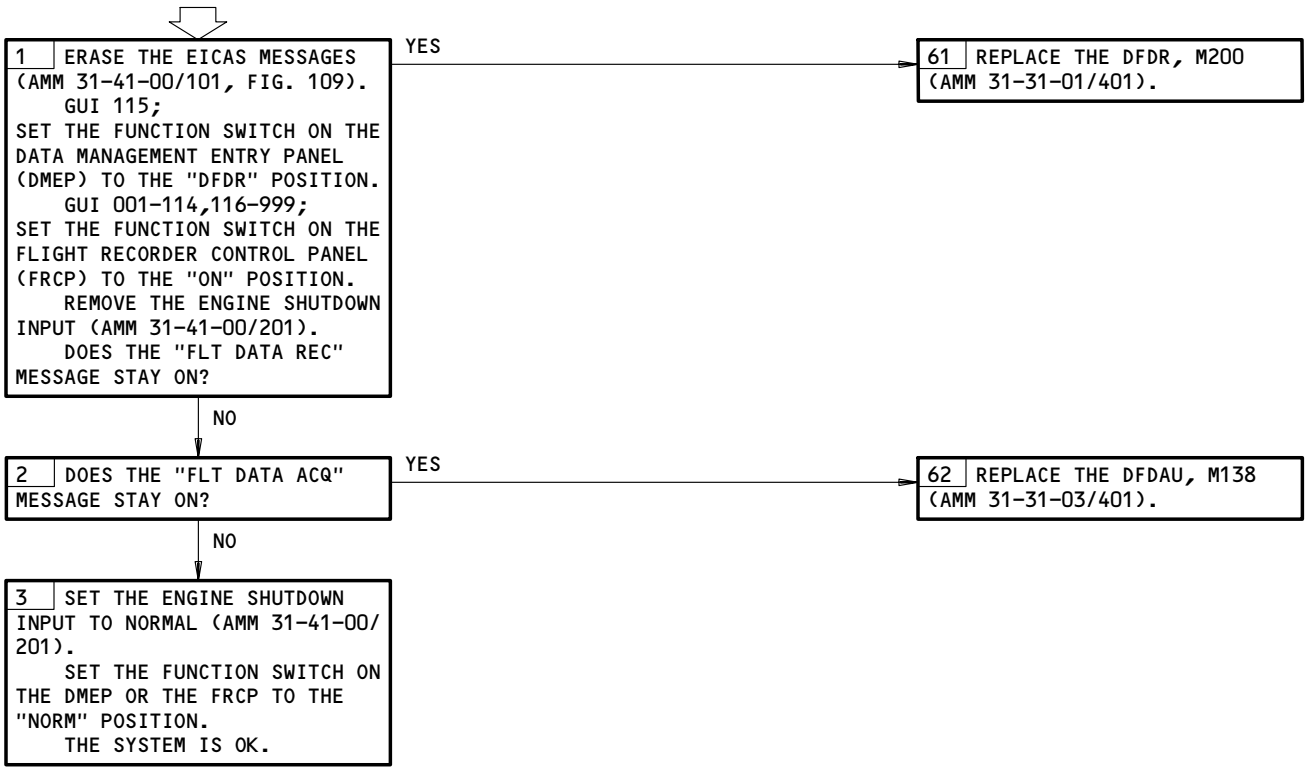
EICAS MSG "FLT DATA REC" OR "FLT DATA ACQ" DISPLAYED

PREREQUISITES

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

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

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



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

E83663

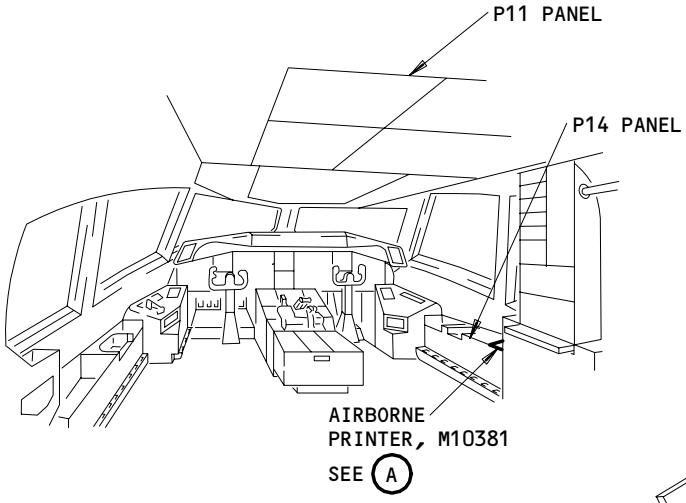
AIRPLANE CONDITION MONITORING SYSTEM

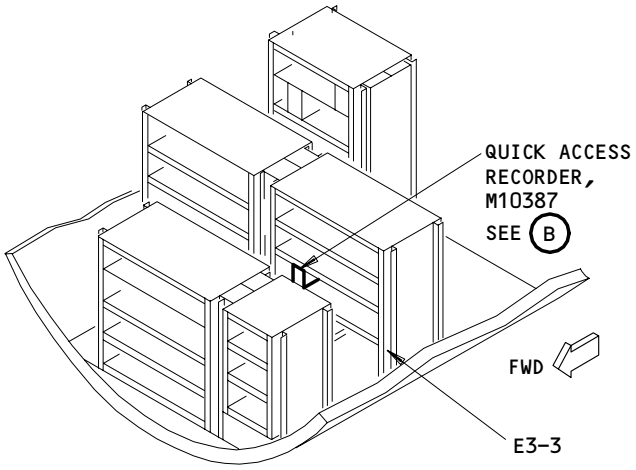
COMPONENT	FIG. 102 SHT	QTY	ACCESS/AREA	REFERENCE
CIRCUIT BREAKERS –			FLT COMPT, P11	
ACMS, C4459	--	1	11S39	*
FLIGHT RECORDER AC, C561	--	1	11J7	*
FLIGHT RECORDER DC, C578	--	1	11J8	*
PANEL (31-31-00/101)				
DATA MANAGEMENT ENTRY, M10301				
PRINTER – AIRBORNE, M10386	--	1	FLT COMPT, P14	31-35-06
RECORDER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

* SEE THE WDM EQUIPMENT LIST

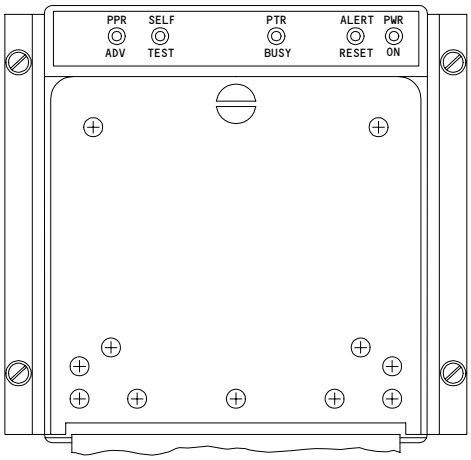
Airplane Condition Monitoring System – Component Index
Figure 101

88491



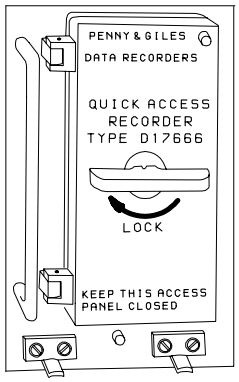


MAIN EQUIP CTR



AIRBORNE PRINTER, M10386

A



QUICK ACCESS RECORDER, M10387

B

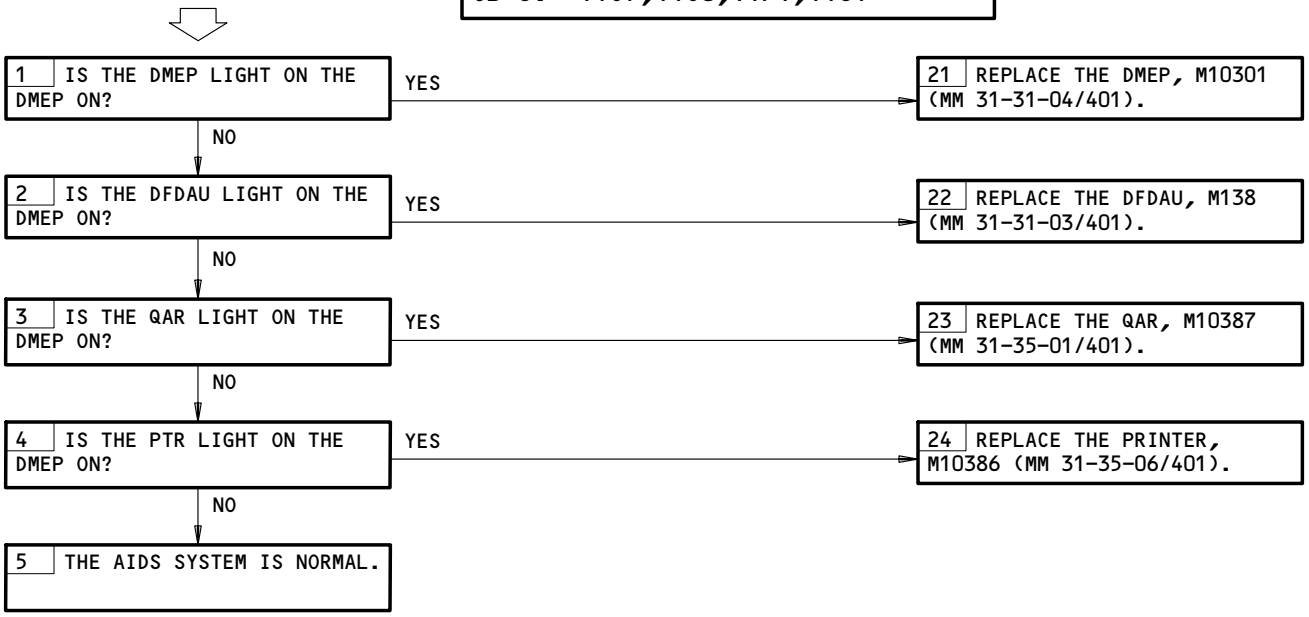
Components Location
Figure 102

AIDS PROBLEMS

PREREQUISITES

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

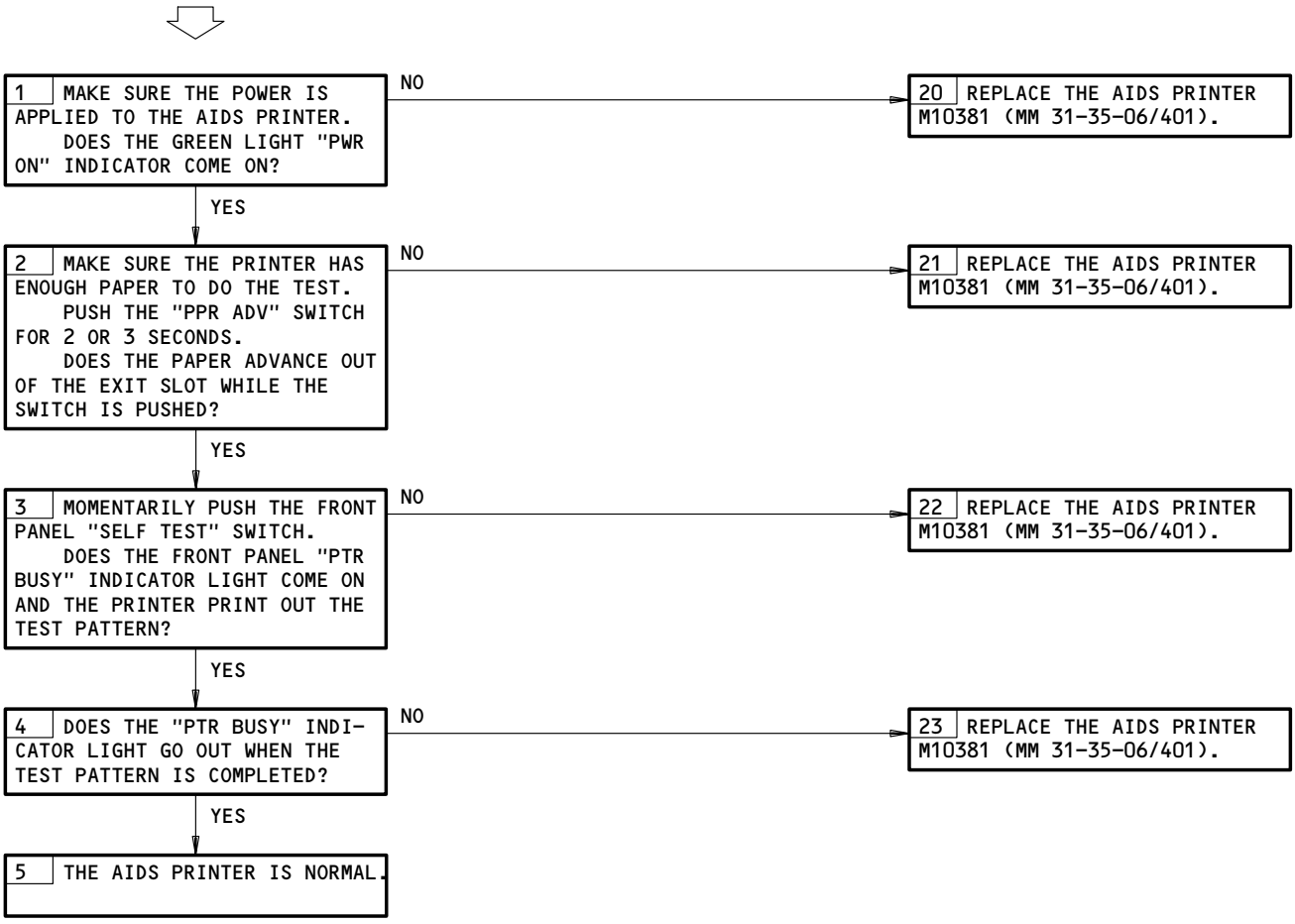
CB'S: 11J7,11J8,11P1,11S1



AIDS Problems
Figure 103

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

AIDS PRINTER PROBLEMS



AIDS Printer Problems
Figure 104

ENGINE INDICATION AND CREW ALERTING SYSTEM

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

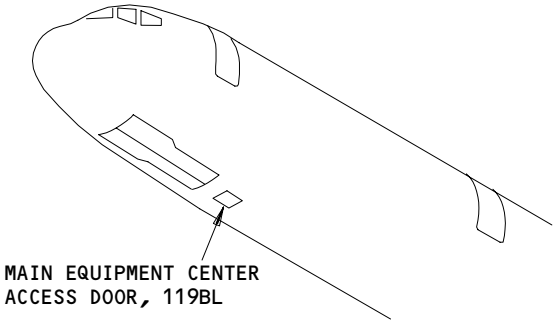
* SEE THE WDM EQUIPMENT LIST

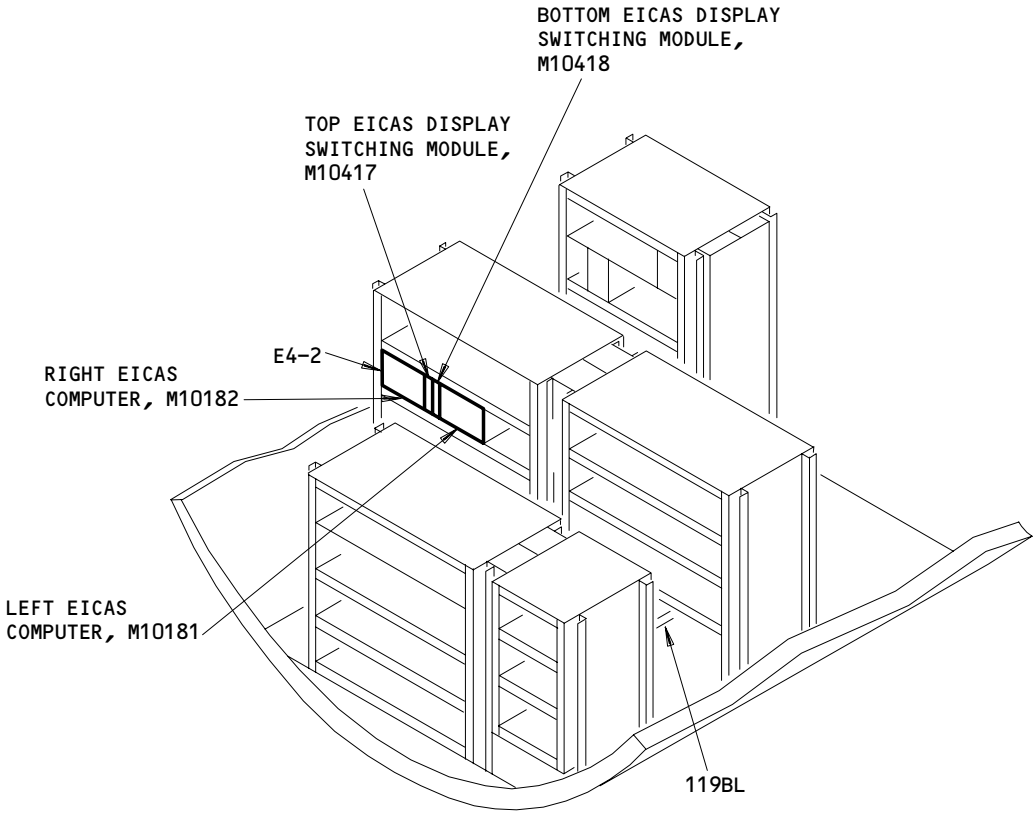
1 GUI 115

2 GUI 001-114,116-999

Engine Indication and Crew Alerting System – Component Index
Figure 101

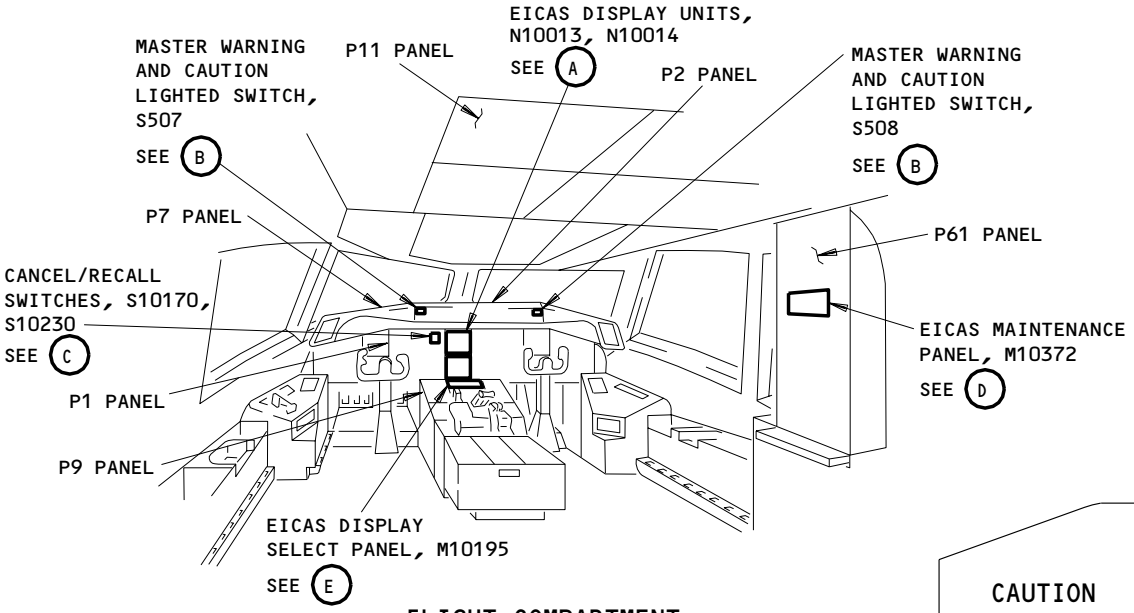
B16006





MAIN EQUIPMENT CENTER

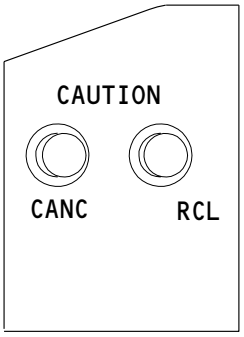
Engine Indication and Crew Alerting System - Component Location
Figure 102 (Sheet 1)



FLIGHT COMPARTMENT

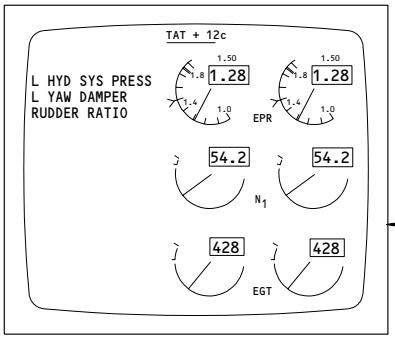
MASTER WARNING AND CAUTION LIGHTED SWITCH (EXAMPLE)

B

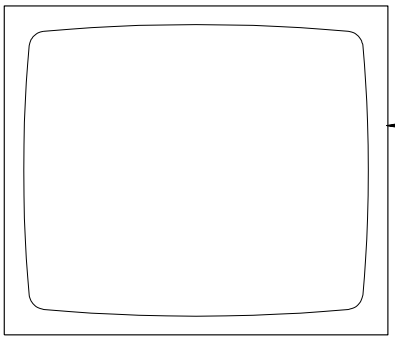


CANCEL/RECALL SWITCHES, S10170, S10230

C



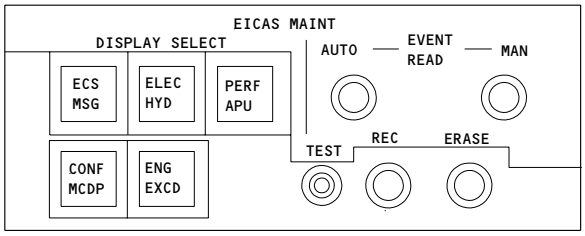
TOP EICAS DISPLAY UNIT, N10013



BOTTOM EICAS DISPLAY UNIT, N10014

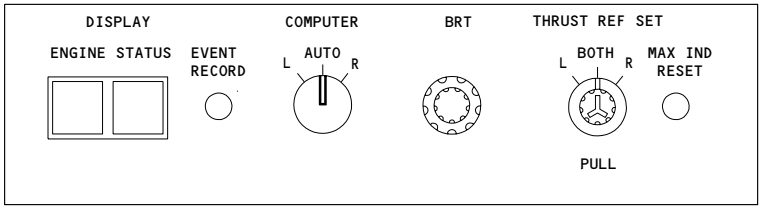
EICAS DISPLAY UNITS

A



EICAS MAINTENANCE PANEL, M10372

D



EICAS DISPLAY SELECT PANEL, M10195

E

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

PREREQUISITES

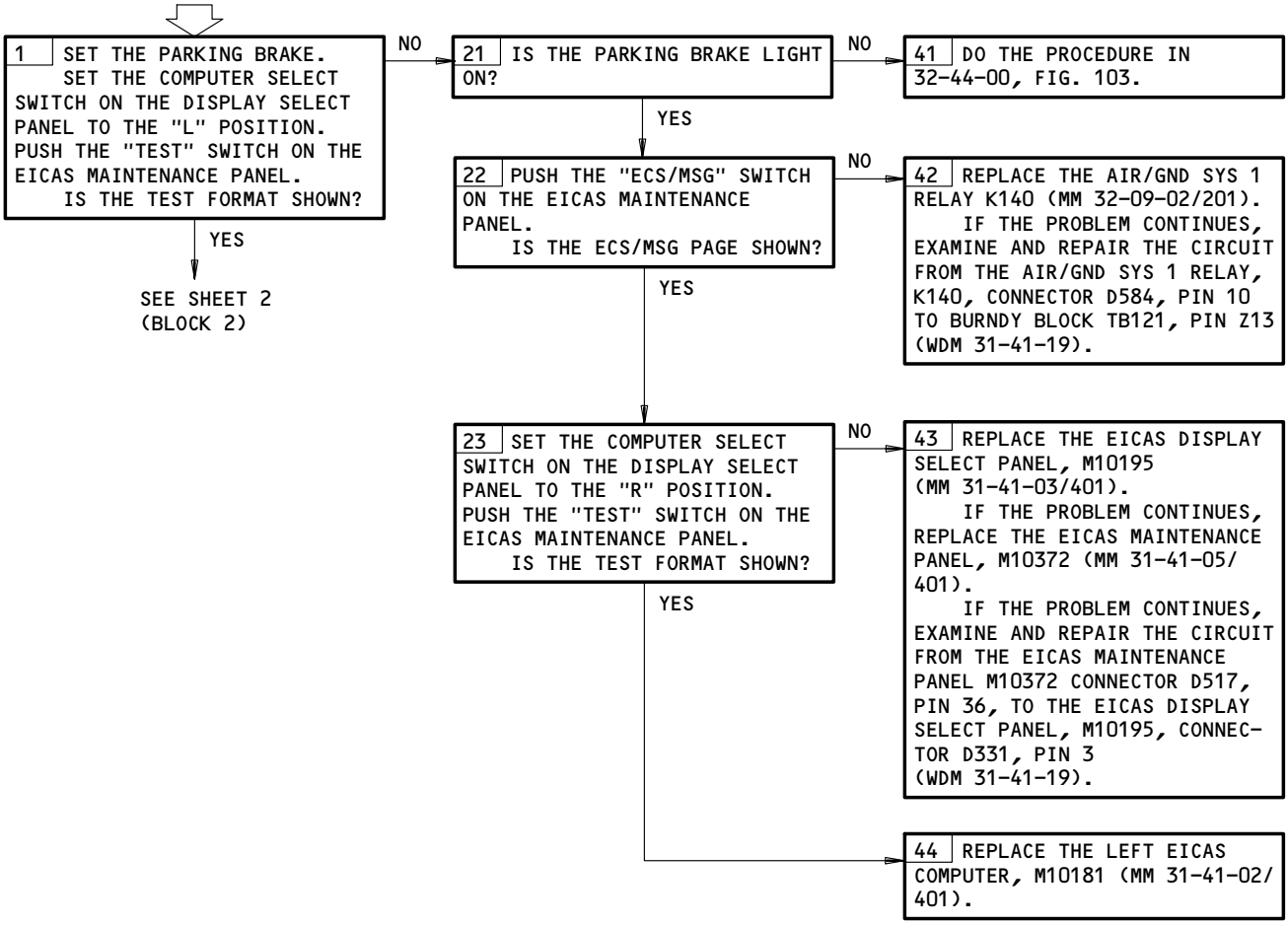
MAKE SURE THESE CIRCUIT BREAKERS ARE CLOSED:
11J2,11J3,11J29,11J30,11J31,11J32

MAKE SURE THE AIRPLANE IS IN THE CONFIGURATION THAT FOLLOWS:

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

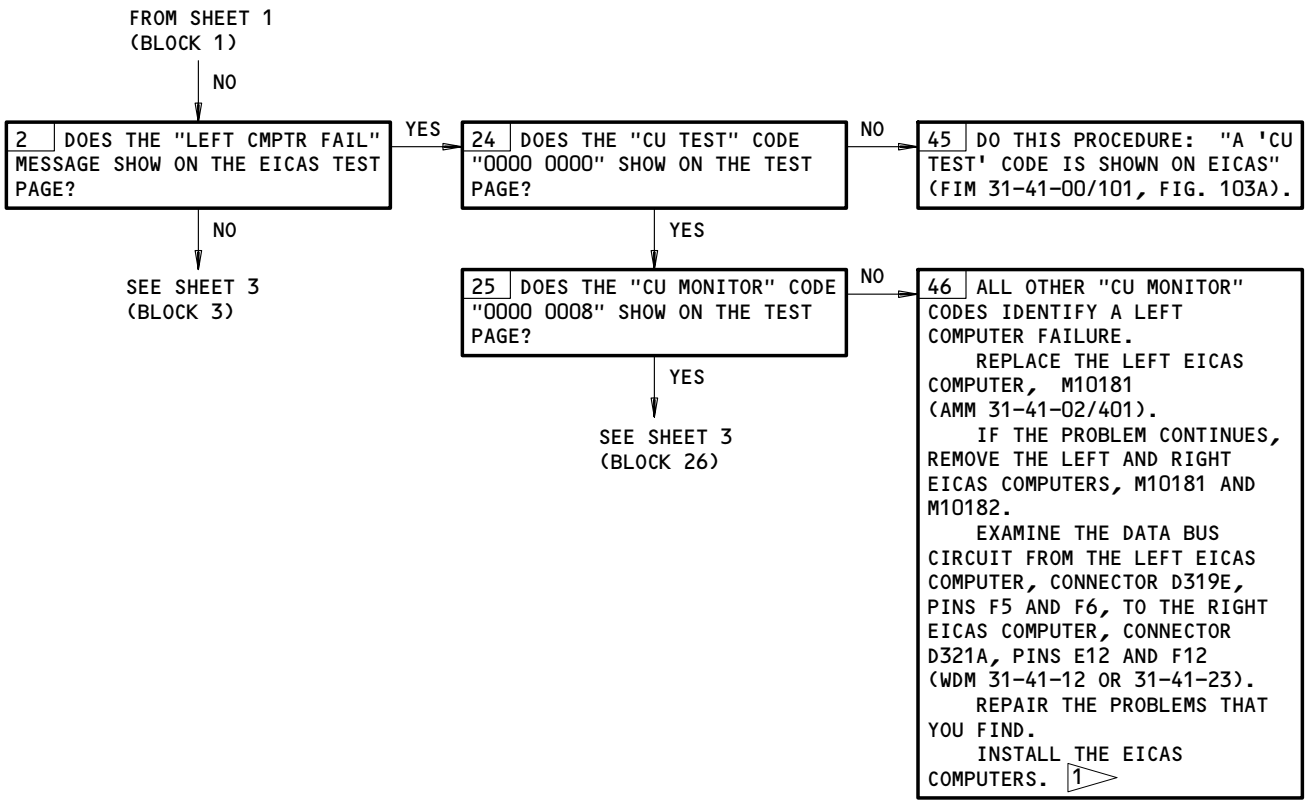
NOTE: THE "LEFT (RIGHT) CMPTR FAIL" MESSAGE THAT SHOWS ON THE EICAS TEST PAGE IS USED AS A MAINTENANCE LEVEL MESSAGE UNLESS A "L (R) EICAS CMPTR" STATUS MESSAGE OCCURS WITH IT. MAKE A RECORD OF ALL MESSAGES.

EICAS BITE PROCEDURE



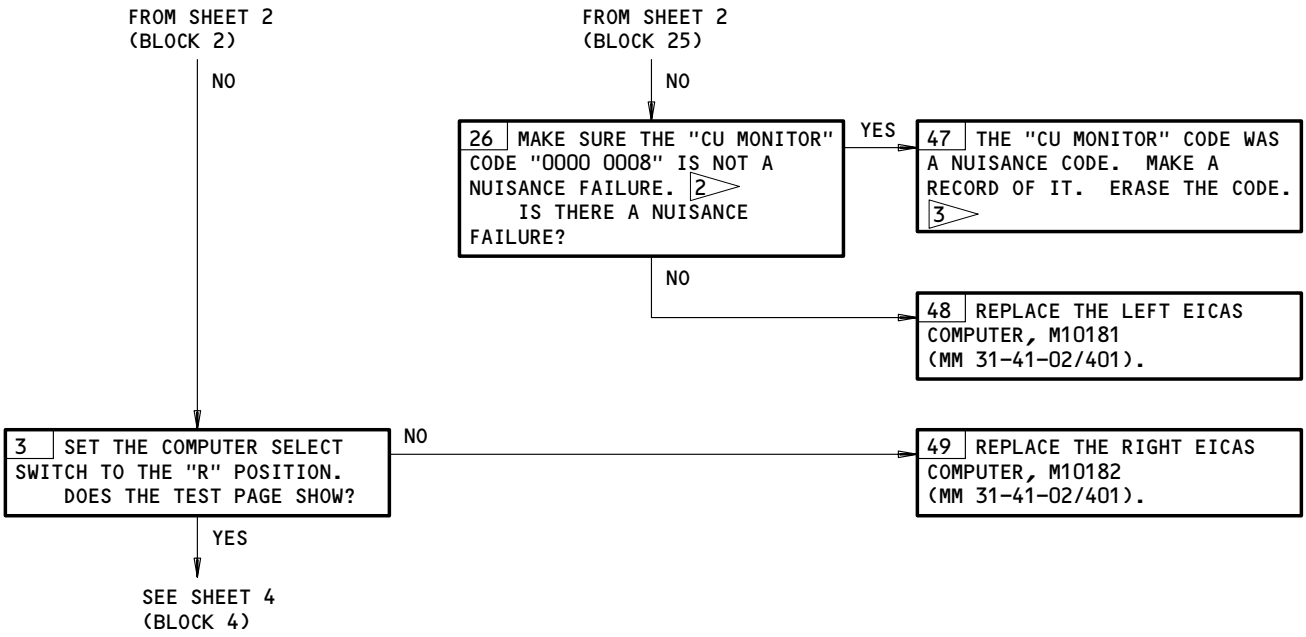
EICAS BITE Procedure
(Figure 103 (Sheet 1)

238698



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

EICAS BITE Procedure
Figure 103 (Sheet 2)



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

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

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

DISPLAY	EICAS PAGE
HYD PRESS L,C,R	(ELEC/HYD)
OIL PRESS L,R	(SEC ENG DISPLAY)

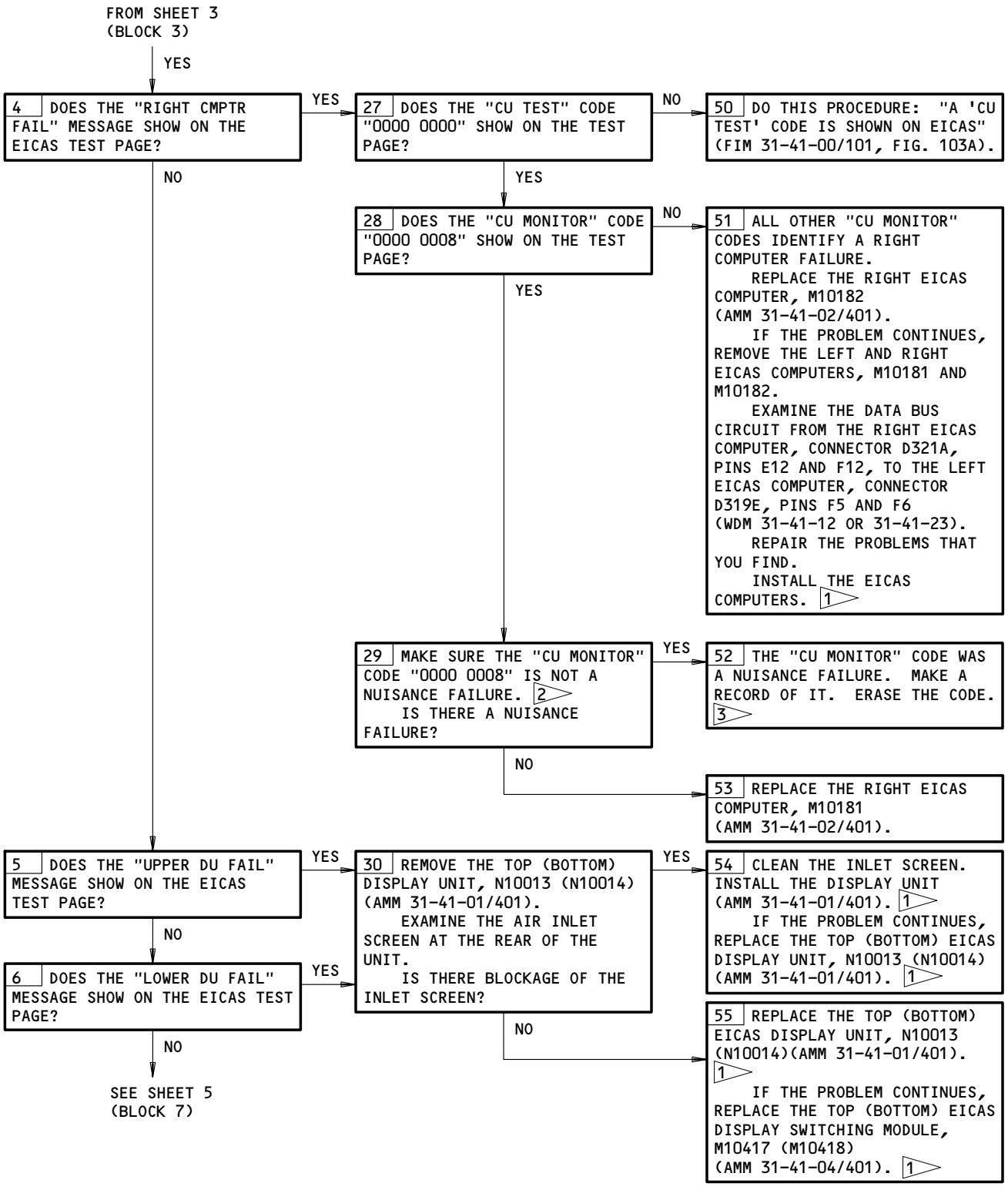
3 MAKE A RECORD OF THE CU MONITOR CODE. ERASE THE CU MONITOR CODE FROM THE APPLICABLE COMPUTER AS FOLLOWS:

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

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

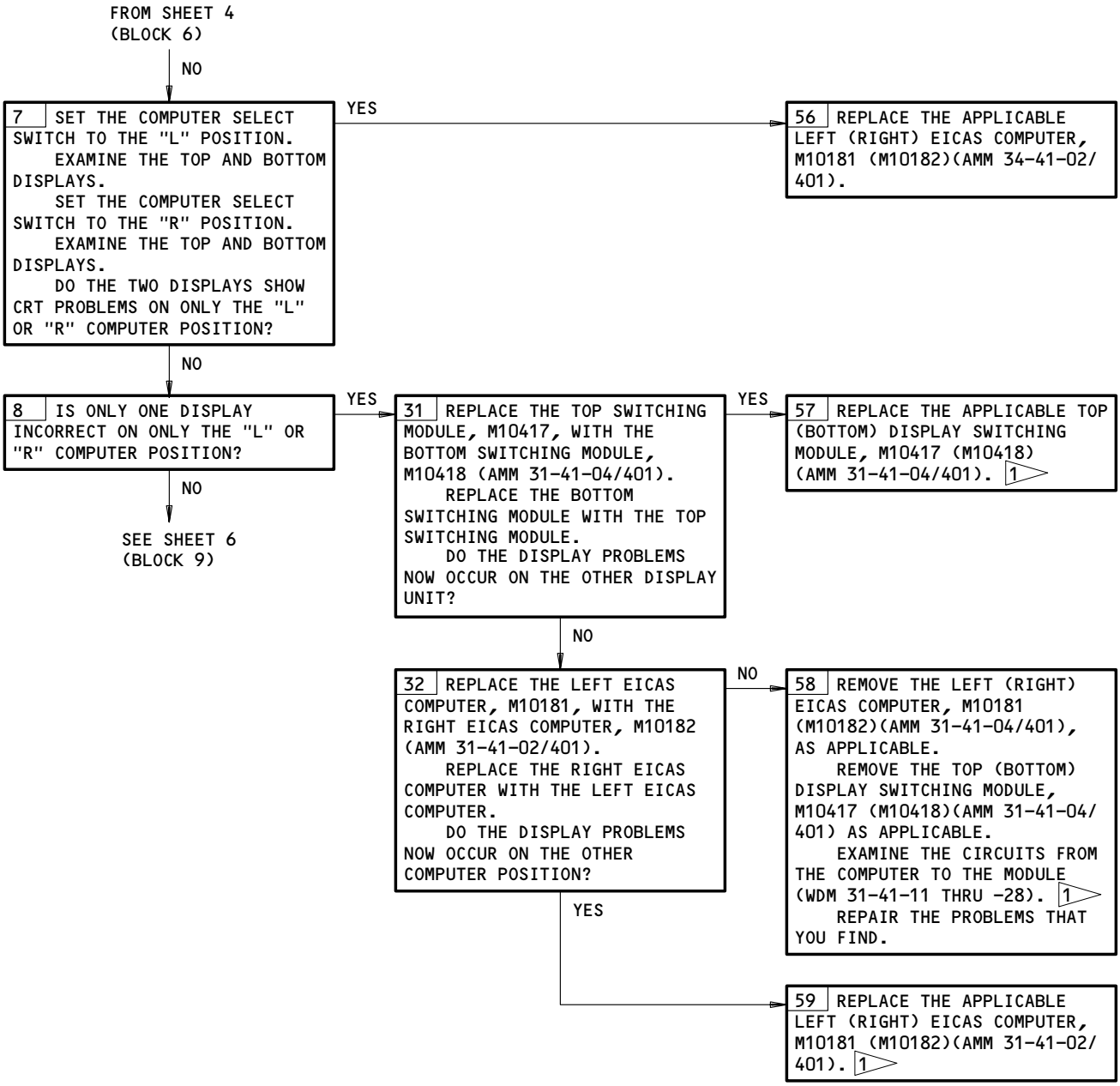
2) PUSH THE "TEST" SWITCH TO GO OUT OF THE TEST PAGE.
3) AFTER 2 MINUTES, PUSH THE "TEST" SWITCH TO GO TO THE TEST PAGE AGAIN.
4) ON THE EICAS DISPLAY SELECT PANEL, P9, SET THE COMPUTER SWITCH TO "L" AND THEN TO "R". MAKE SURE ALL CODES SHOW ZERO ON THE DISPLAYS FOR EACH COMPUTER.
5) PUSH THE "TEST"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

EICAS BITE Procedure
Figure 103 (Sheet 3)

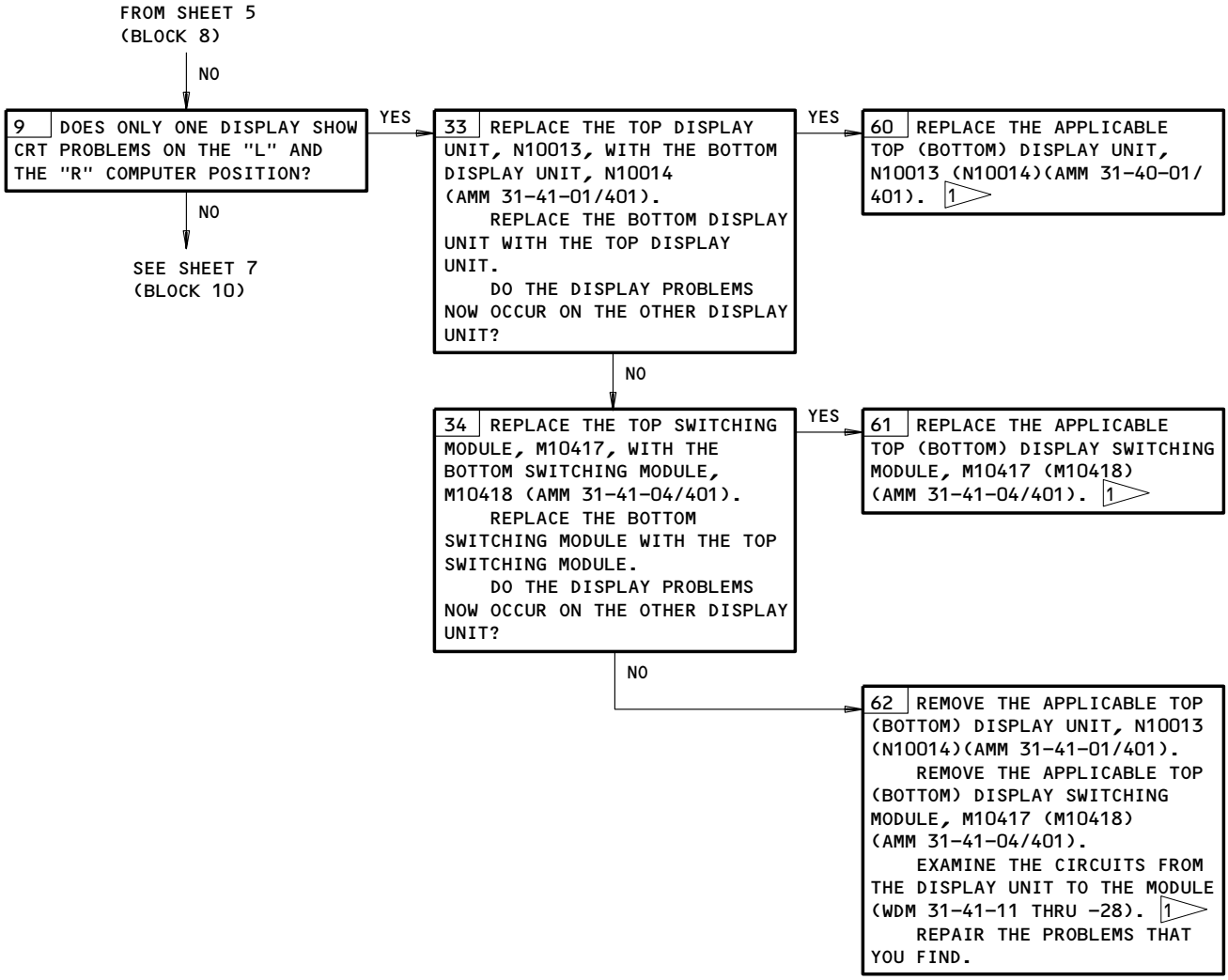


EICAS BITE Procedure
Figure 103 (Sheet 4)

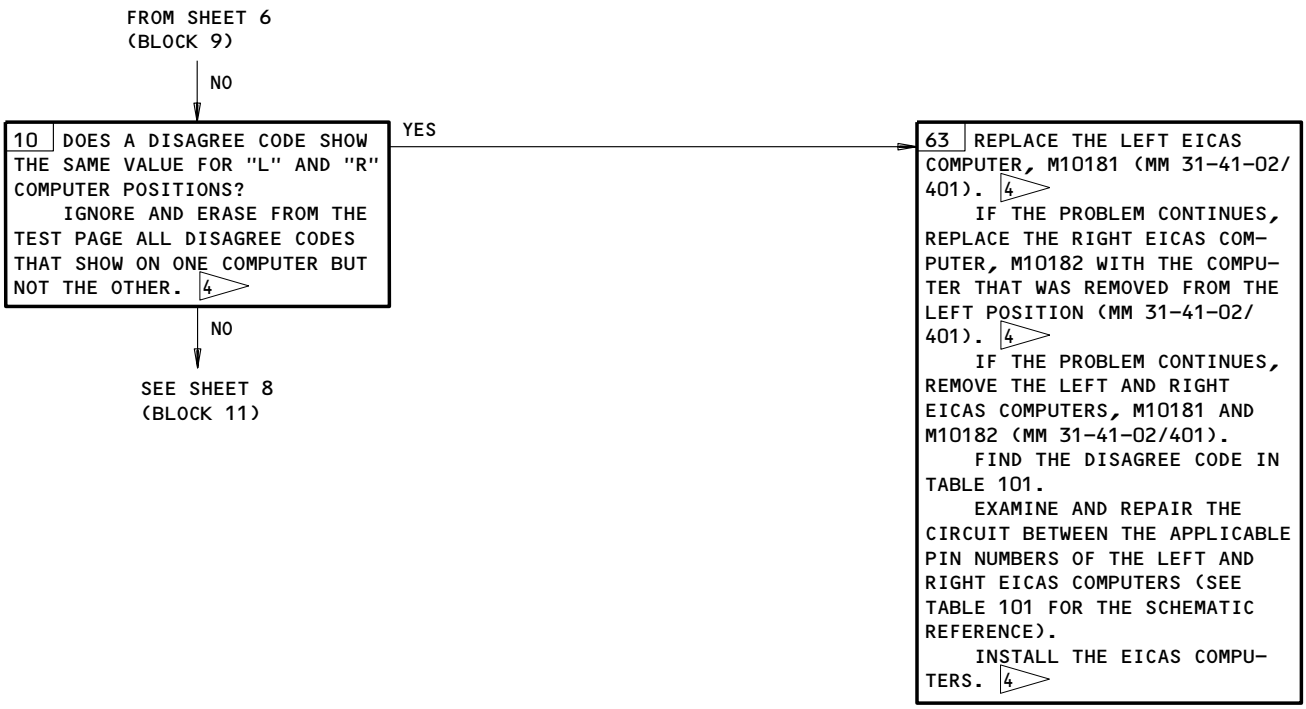
108478



EICAS BITE Procedure
Figure 103 (Sheet 5)



EICAS BITE Procedure
Figure 103 (Sheet 6)



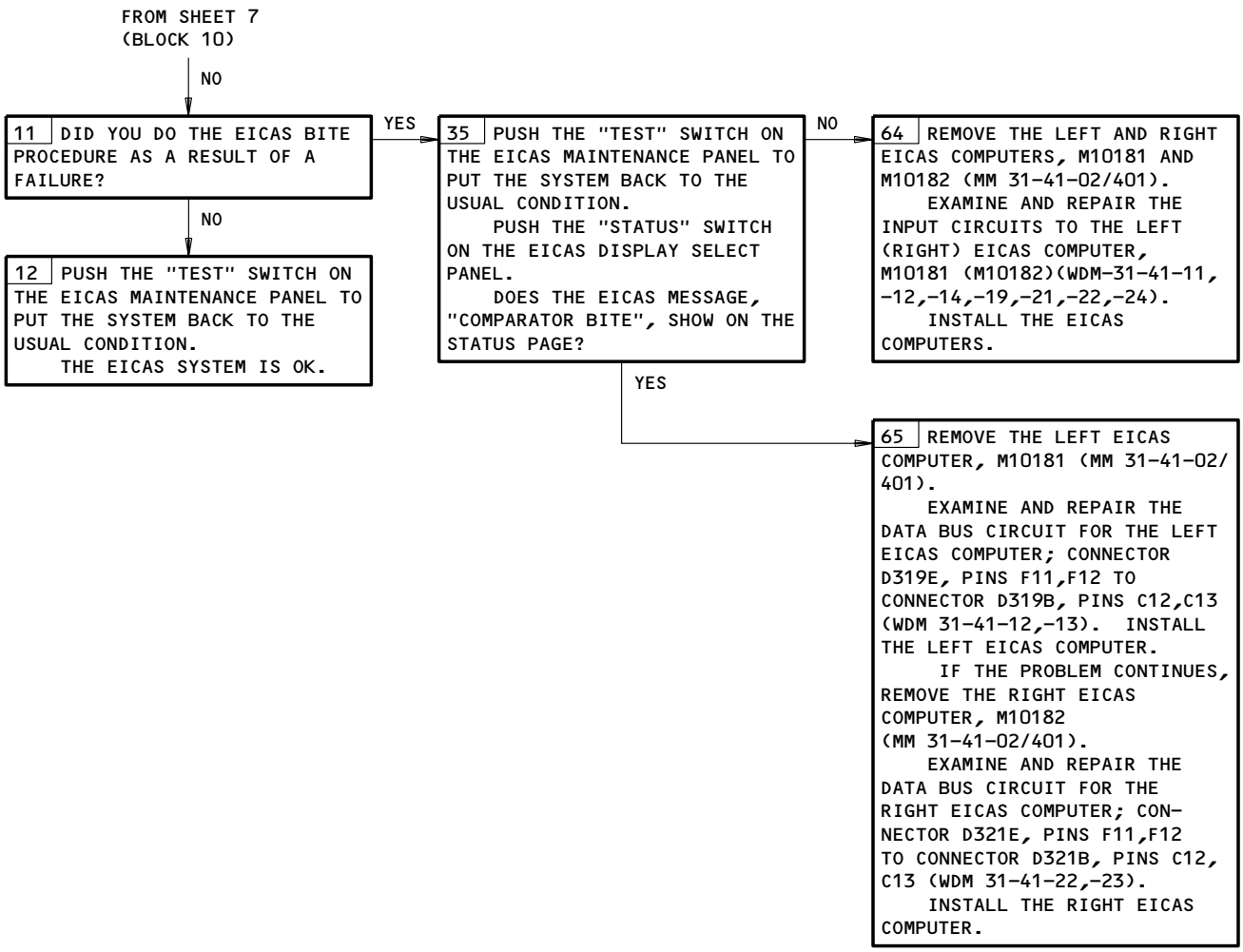
4 MAKE A RECORD OF THE DISAGREE CODE. ERASE THE DISAGREE CODE FROM THE APPLICABLE COMPUTER AS FOLLOWS:

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

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

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

EICAS BITE Procedure
Figure 103 (Sheet 7)



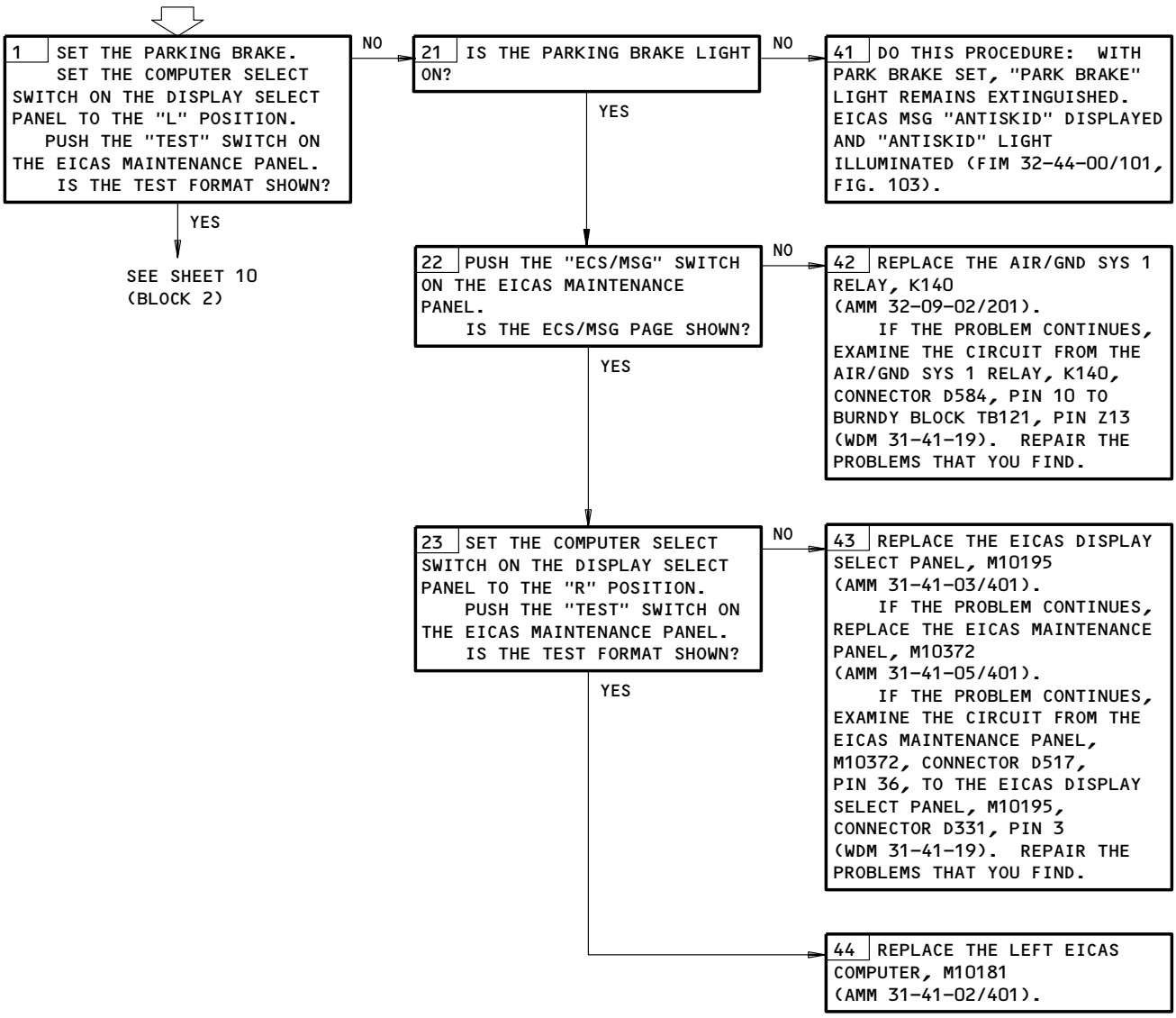
EICAS BITE Procedure
Figure 103 (Sheet 8)

EICAS BITE PROCEDURE

PREREQUISITES

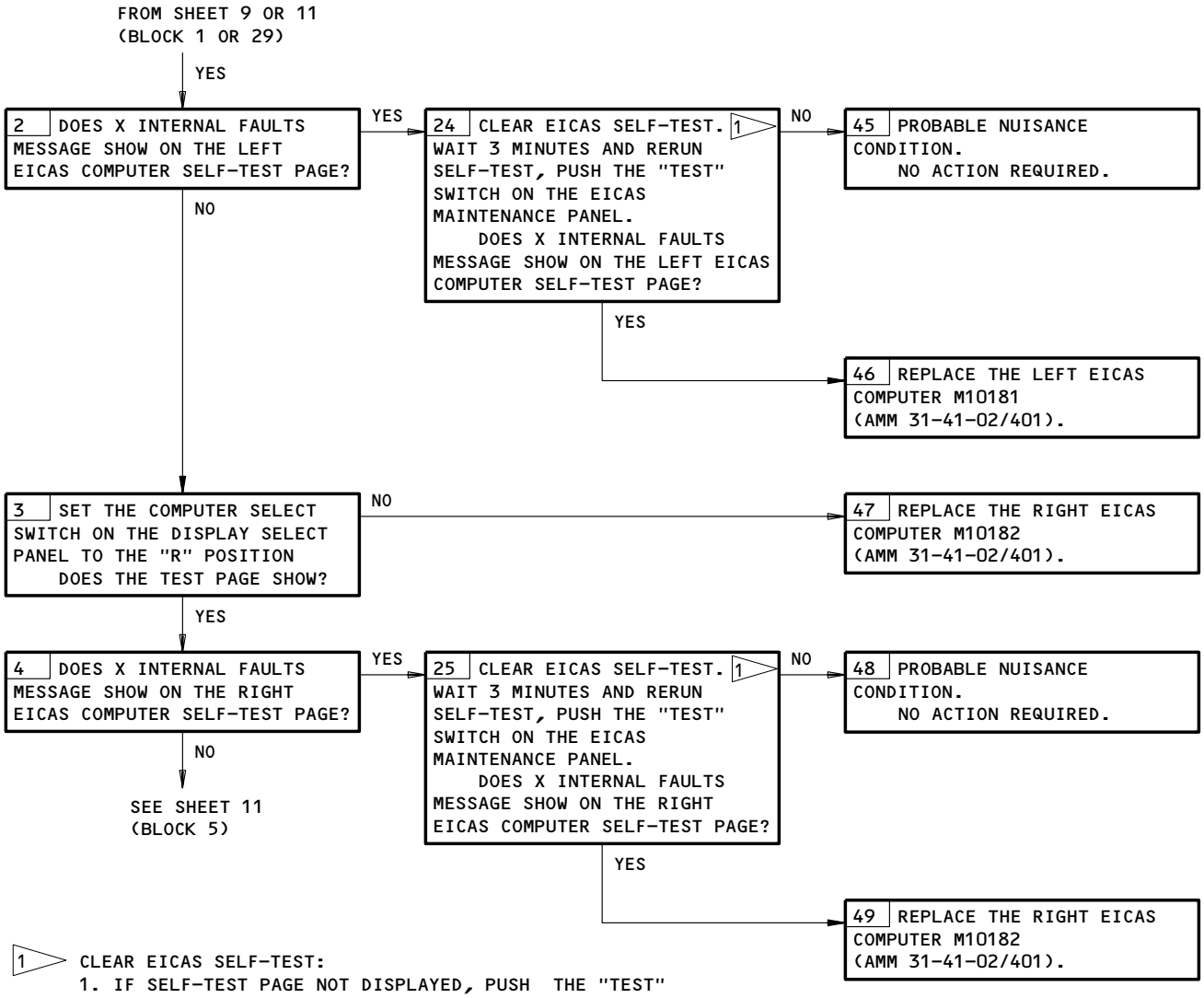
MAKE SURE THESE CIRCUIT BREAKERS ARE CLOSED:
11J2, 11J3, 11J29, 11J30, 11J31, 11J32, 11S15, 11S19

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



EICAS BITE Procedure
Figure 103 (Sheet 9)

K22949



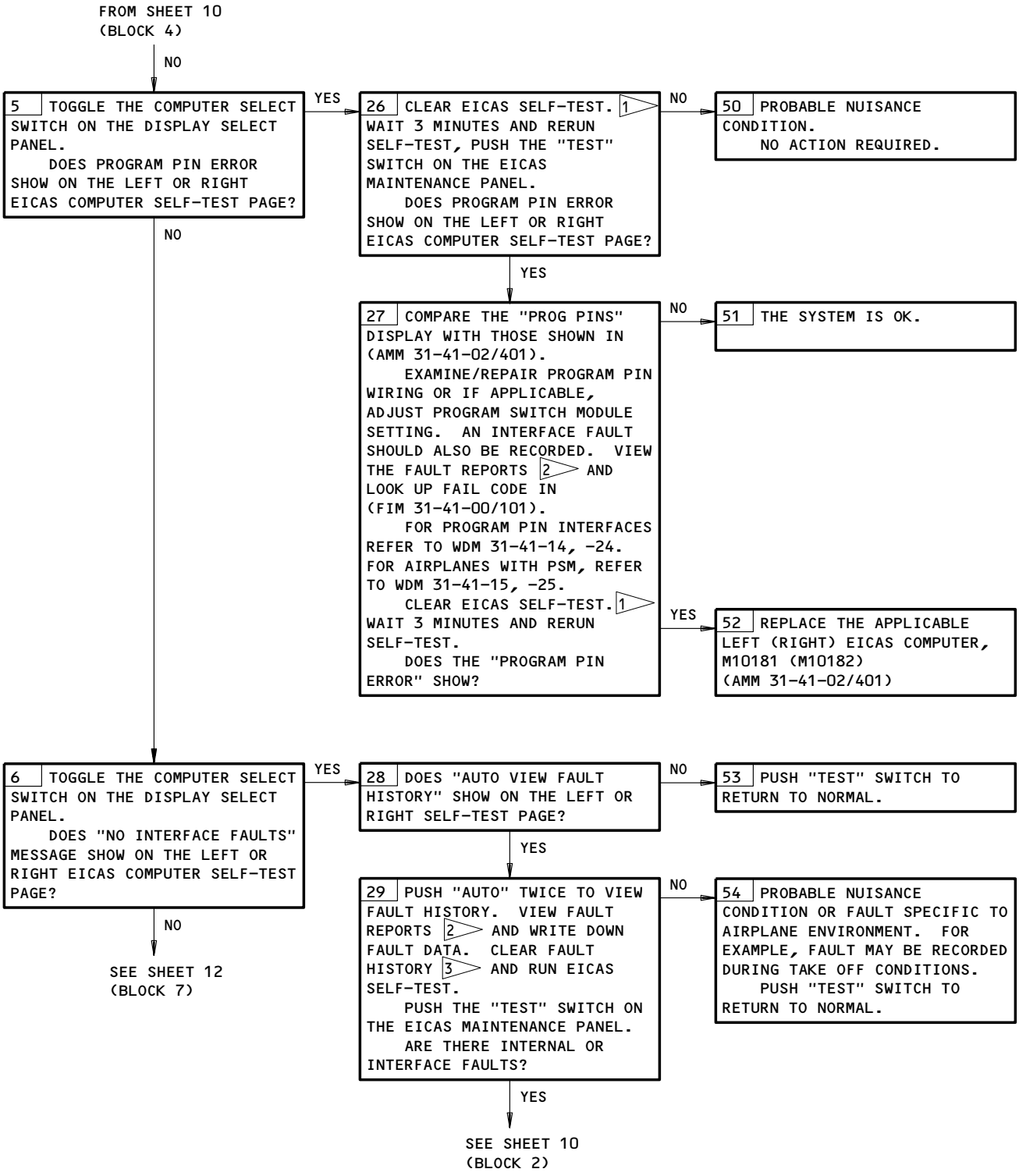
1 CLEAR EICAS SELF-TEST:
1. IF SELF-TEST PAGE NOT DISPLAYED, PUSH THE "TEST" SWITCH ON THE EICAS MAINTENANCE PANEL.
2. AFTER TEST IS COMPLETE RECORD ANY FAULTS THAT APPEAR. 2
3. PUSH "ERASE TWICE TO CLEAR FAULTS.
4. PUSH THE "TEST" SWITCH TO RETURN TO THE ENGINE PAGE.
5. WAIT 3 MINUTES BEFORE YOU DO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

2 VIEW FAULT REPORTS:
1. INSTRUCTIONS "TO ACCESS BITE FUNCTIONS, PRESS KEY TWICE:" APPEARS ON THE SELF-TEST PAGE IF A FAULT HAS BEEN RECORDED.
2. PUSH "MAN" TWICE TO VIEW PRESENT STATUS
3. PUSH "AUTO" TWICE TO VIEW FAULT HISTORY.
4. FOLLOW THE INSTRUCTIONS AT THE BOTTOM OF THE PRESENT STATUS/FAULT HISTORY PAGE TO VIEW FAULT REPORTS.
5. FOR EACH FAULT REPORT, WRITE DOWN ALL FAULT INFORMATION.
6. PUSH "TEST" TO RETURN TO NORMAL OPERATION.

3 CLEAR FAULT HISTORY:
1. IF SELF-TEST DOES NOT DISPLAY PUSH THE "TEST" SWITCH ON THE EICAS MAINTENANCE PANEL.
2. AFTER SELF-TEST IS COMPLETE PRESS "AUTO" TO VIEW FAULT HISTORY.
3. PUSH "ERASE" TWICE TO CLEAR FAULTS.

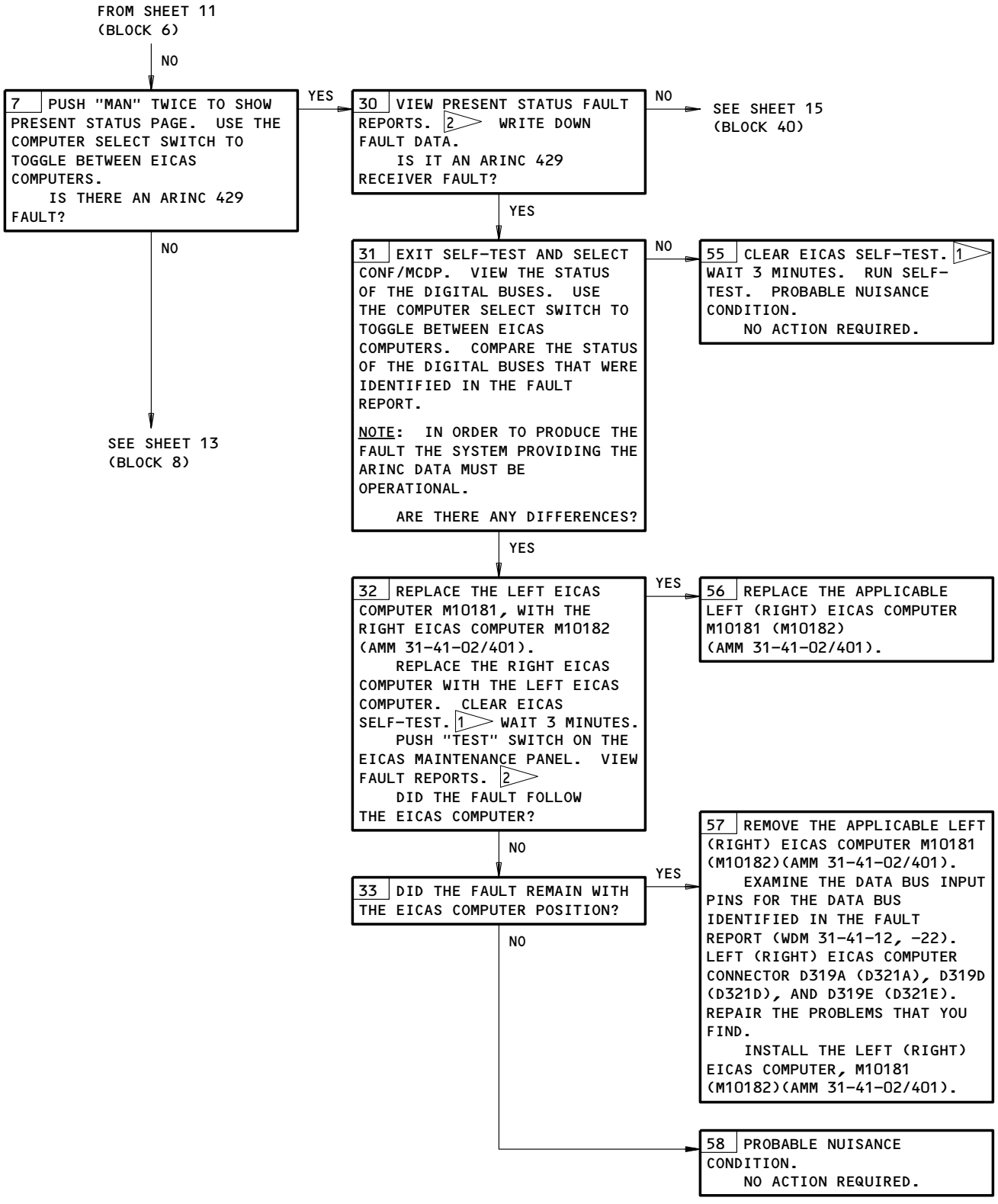
EICAS BITE Procedure
Figure 103 (Sheet 10)

K22953



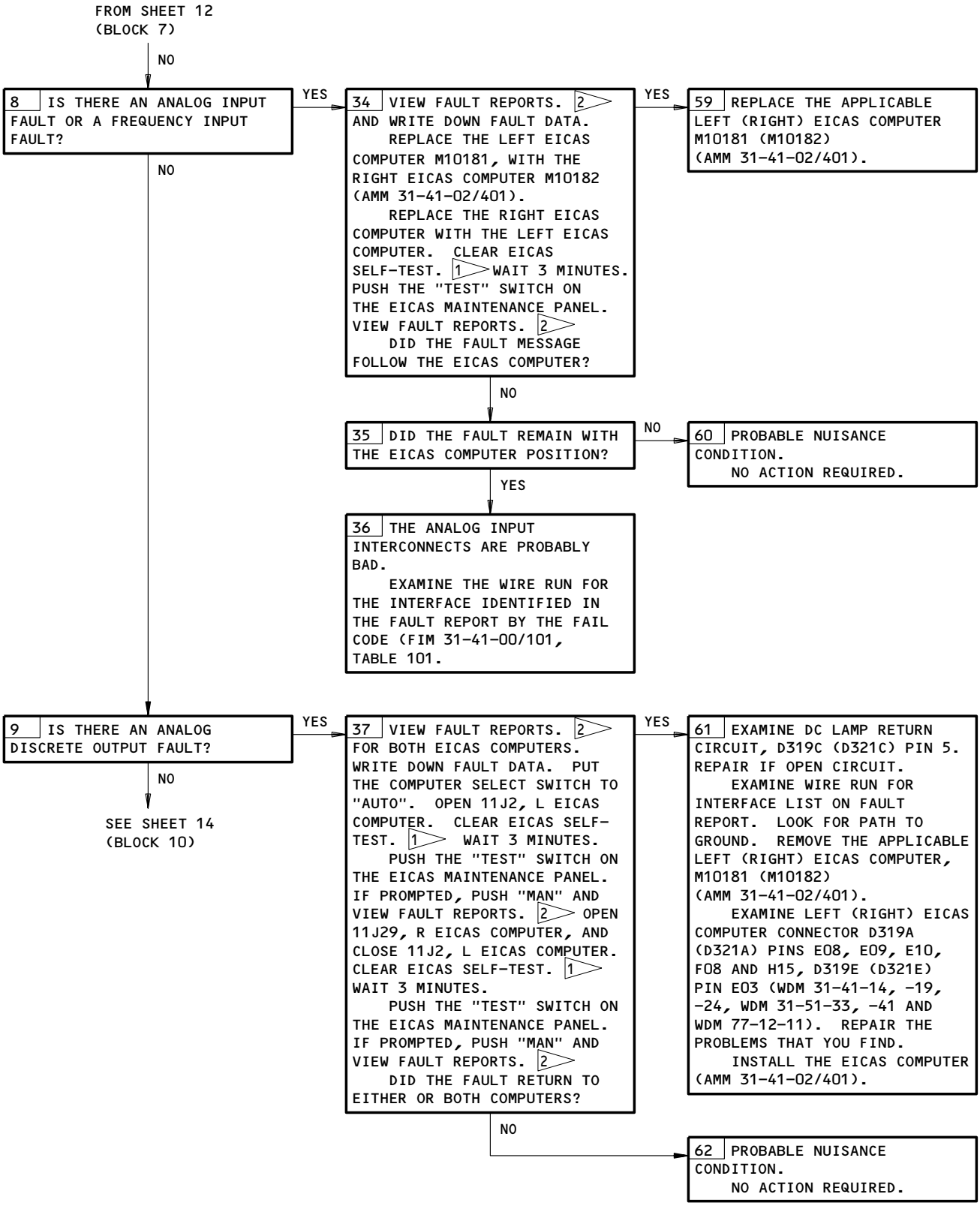
EICAS BITE Procedure
Figure 103 (Sheet 11)

K22957



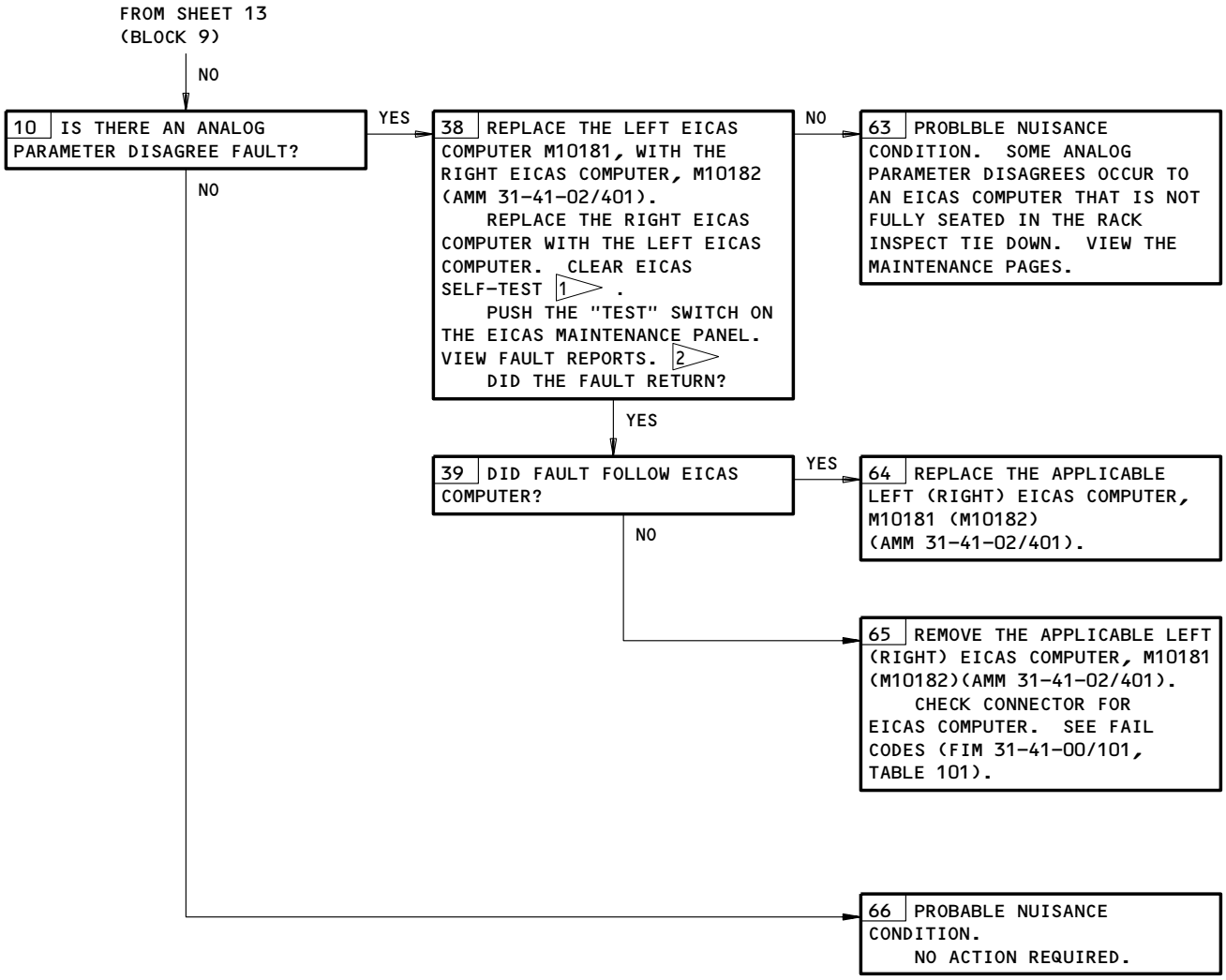
EICAS BITE Procedure
Figure 103 (Sheet 12)

K22971

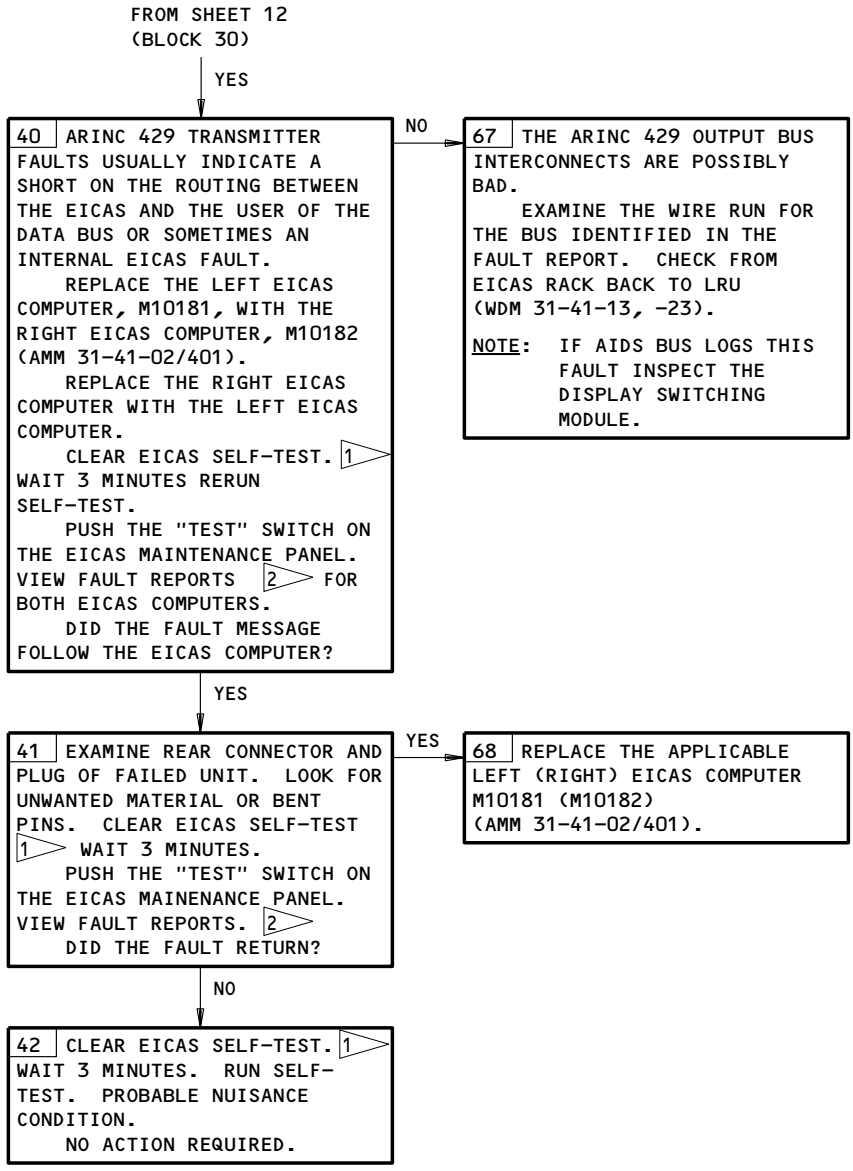


EICAS BITE Procedure
Figure 103 (Sheet 13)

K22979



EICAS BITE Procedure
Figure 103 (Sheet 14)



EICAS BITE Procedure
Figure 103 (Sheet 15)

K22987

PREREQUISITES

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

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

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

A "CU TEST" CODE IS SHOWN ON EICAS

1 DOES "CU TEST" CODE "0000 0010" SHOW ON THE TEST PAGE?

YES

NO

SEE SHEET 2 (BLOCK 2)

31 REMOVE THE LEFT ENGINE SPEED CARD, M10298 (MM 77-12-01/401).
PUSH THE TEST SWITCH ON THE EICAS MAINTENANCE PANEL TWO TIMES.
DOES THE CODE STAY SHOWN?

NO

51 DO THESE STEPS:

1) CLEAN THE LEFT ENGINE SPEED CARD CONNECTORS.
2) INSTALL THE LEFT ENGINE SPEED CARD, M10298 (MM 77-12-01/401).
3) PUSH THE TEST SWITCH ON THE EICAS MAINTENANCE PANEL TWO TIMES.
4) IF THE PROBLEM CONTINUES, REPLACE THE LEFT ENGINE SPEED CARD, M10298 (MM 77-12-01/401).
5) 1> .

YES

32 REMOVE THE RIGHT ENGINE SPEED CARD, M10311 (MM 77-12-01/401).
PUSH THE TEST SWITCH ON THE EICAS MAINTENANCE PANEL TWO TIMES.
DOES THE CODE STAY SHOWN?

NO

52 DO THESE STEPS:

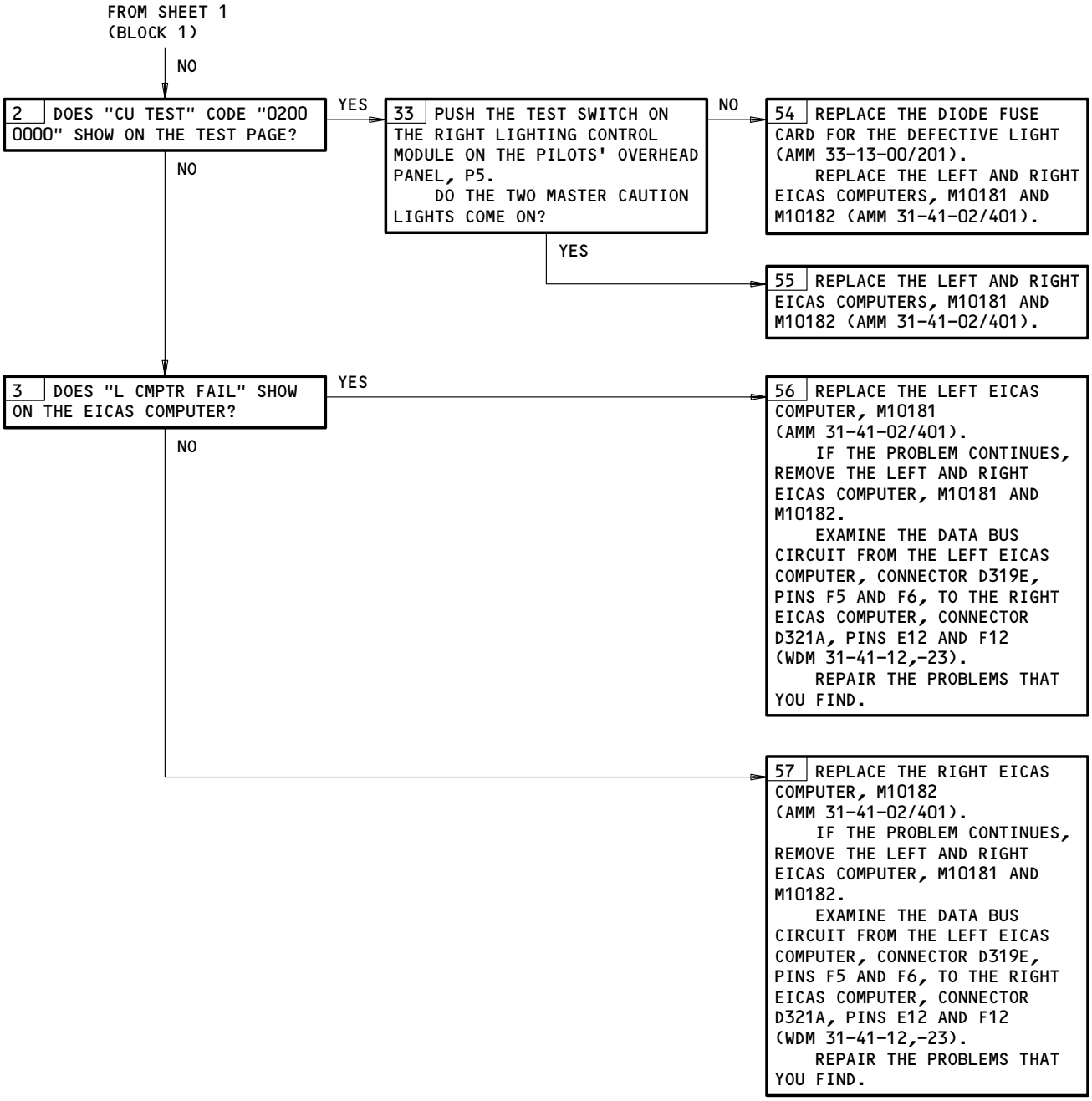
1) CLEAN THE RIGHT ENGINE SPEED CARD CONNECTORS.
2) INSTALL THE RIGHT ENGINE SPEED CARD, M10311 (MM 77-12-01/401).
3) PUSH THE TEST SWITCH ON THE EICAS MAINTENANCE PANEL TWO TIMES.
4) IF THE PROBLEM CONTINUES, REPLACE THE RIGHT ENGINE SPEED CARD, M10311 (MM 77-12-01/401).
5) INSTALL THE LEFT ENGINE SPEED CARD, M10298 (MM 77-12-01/401).
6) 1> .

YES

53 INSTALL THE LEFT AND RIGHT ENGINE SPEED CARDS, M10298 AND M10311 (MM 77-12-01/401).
DO THE STEPS IN BLOCK 3.

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

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



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

PREREQUISITES

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

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

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

"DISCRETE DISAGREE" CODE "0999" SHOWS ON EICAS

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 103B (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 103B (Sheet 2)

C75056

DISPLAY PROBLEMS – ALT CMPTR CORRECTS PROBLEMS

PREREQUISITES

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

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

1 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 (MM 31-41-02/401).

NO ↓

2 ARE THERE DISPLAY PROBLEMS ON THE TOP DISPLAY UNIT?

YES → 21 REPLACE THE TOP DISPLAY SWITCHING MODULE, M10417 (MM 31-41-04/401).
IF THE PROBLEM CONTINUES, REPLACE THE LEFT EICAS COMPUTER, M10181 (MM 31-41-02/401).
IF THE PROBLEM CONTINUES, REMOVE THE LEFT EICAS COMPUTER AND THE TOP DISPLAY SWITCHING MODULE.
EXAMINE AND REPAIR THE VIDEO LINES FROM THE LEFT EICAS COMPUTER CONNECTORS, D319A AND D319B TO THE TOP EICAS DISPLAY SWITCHING MODULE CONNECTOR, D789 (WDM 31-41-11).

NO ↓

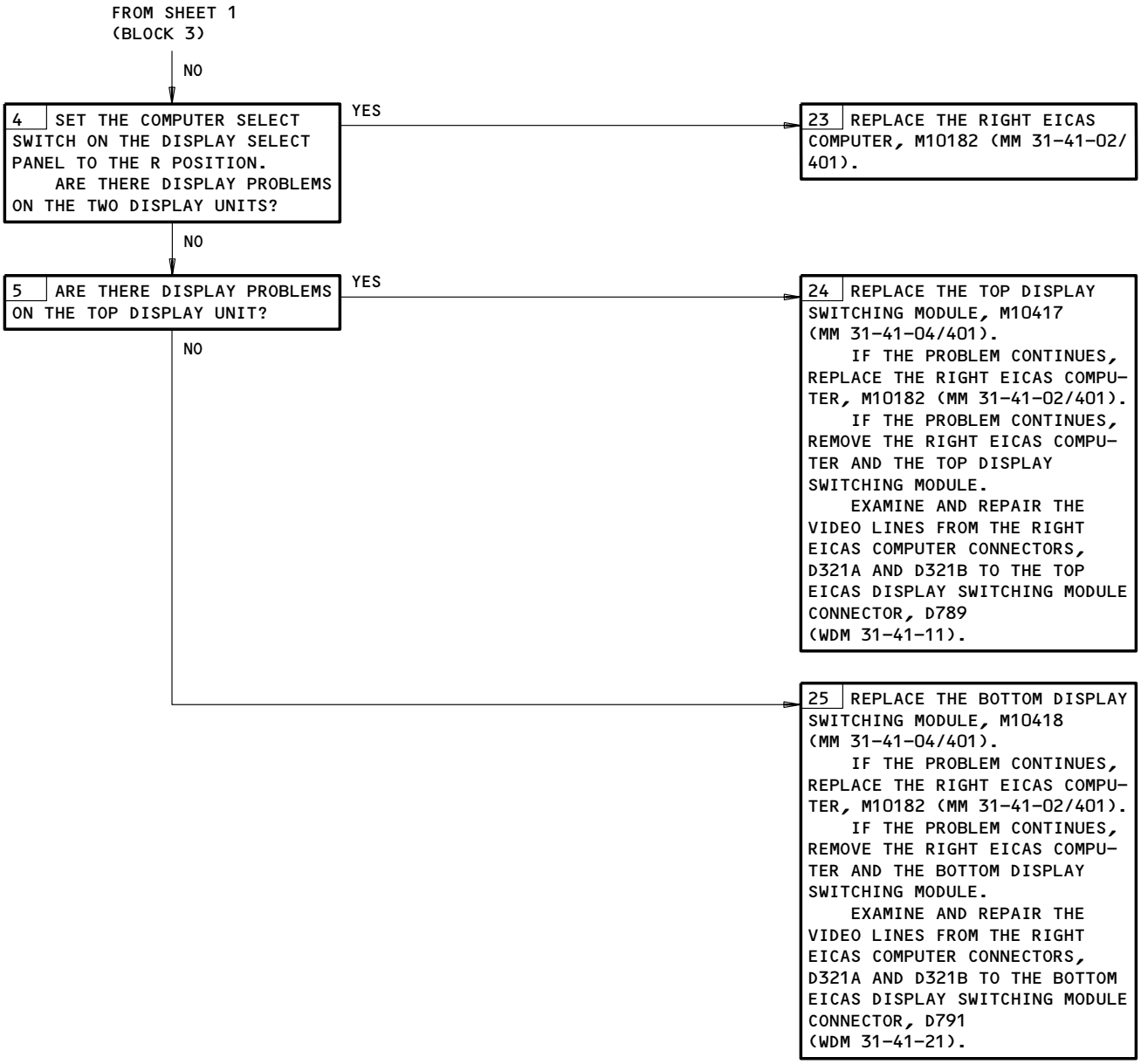
3 ARE THERE DISPLAY PROBLEMS ON THE BOTTOM DISPLAY UNIT?

YES → 22 REPLACE THE BOTTOM DISPLAY SWITCHING MODULE, M10418 (MM 31-41-04/401).
IF THE PROBLEM CONTINUES, REPLACE THE LEFT EICAS COMPUTER, M10181 (MM 31-41-02/401).
IF THE PROBLEM CONTINUES, REMOVE THE LEFT EICAS COMPUTER AND THE BOTTOM DISPLAY SWITCHING MODULE.
EXAMINE AND REPAIR THE VIDEO LINES FROM THE LEFT EICAS COMPUTER CONNECTORS, D319A AND D319B TO THE BOTTOM EICAS DISPLAY SWITCHING MODULE CONNECTOR, D791 (WDM 31-41-21).

NO ↓

SEE SHEET 2 (BLOCK 4)

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



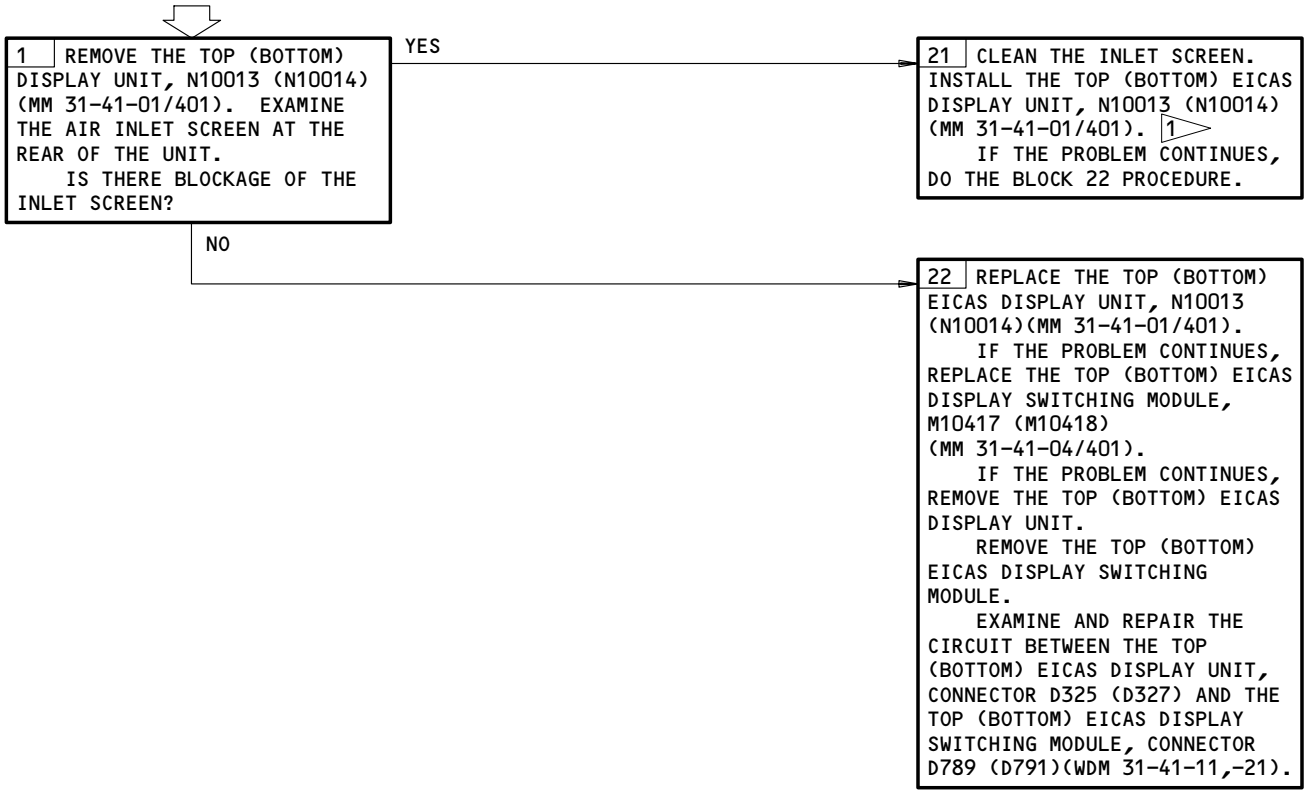
Display Problems - Alt Cmptr Corrects Problems
Figure 104 (Sheet 2)

DISPLAY PROBLEMS – ALT CMPTR DOES NOT CORRECT FAULT

PREREQUISITES

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

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



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

Display Problems – Alt Cmptr Does Not Correct Fault
Figure 105

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 D319E, 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 D321E, PINS F7 AND F8 (WDM 31-41-12).
REPAIR THE PROBLEMS THAT YOU FIND.
INSTALL THE EICAS DISPLAY SELECT PANEL. INSTALL THE EICAS COMPUTER.

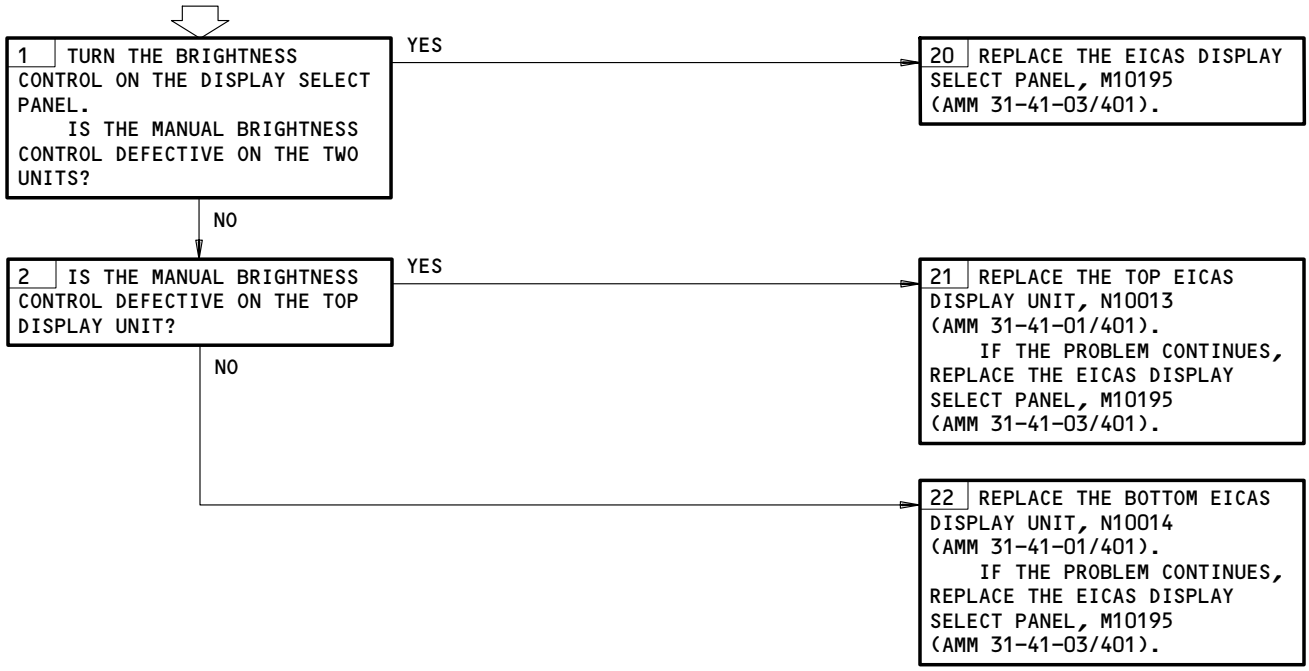
Alert Msg EICAS CONT PNL is Displayed
Figure 106

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)



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. GO TO TABLE 102 FOR THE FIM CHAPTER REFERENCE. IF YOU DO NOT DO THE CORRECTIVE ACTION FROM THE FAULT ISOLATION PROCEDURE, DAMAGE TO EQUIPMENT CAN OCCUR.

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

Message Erase Procedure

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

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

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

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

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

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

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

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

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

Maintenance Message Erase Procedure
Figure 109

1. EICAS Disagree Codes/Failt Codes (Table 101)

A. An EICAS disagree code shows in the BITE test format when an analog input received by the two EICAS computers does not agree. The EICAS computers compare the analog inputs on the crosstalk buses. The code shows as ENGINE DISAGREE, SUB-SYS DISAGREE, or DISCRETE DISAGREE.

(1) The CODE column shows the disagree code in the test format.

(2) The DESCRIPTION column shows analog input that does not agree.

(3) The PIN column shows the connector/pin number on the EICAS computer(s). The left computer input is connector D319X(pin)XX. The right computer input is connector D321X(pin)XX.

(4) The SCHEMATIC column shows the reference schematic where you can find the source of the analog input.

(5) The EFFECTIVITY column shows the airplanes with EICAS computers that can show the disagree code.

B. If the option was not a selection, the EICAS schematic will show that pin as open. If the option is a selection, the EICAS schematic will show that pin grounded. The schematic will also show the airplane effectivityfor that option (SSM 31-41-01, Table 1).

EICAS DISAGREE OR FAIL CODES (TABLE 101)

CODE	DESCRIPTION	PIN	SCHEMATIC	EFFECTIVITY
1	NOT USED			
2	NOT USED			
3	AILERON - L	EH4	27-10-01	
4	AILERON - R	EH5	27-10-01	
5	APU BATT CURRENT	FB1/FB2	24-31-02	
6	APU BATT VOLTS	FA3	24-31-02	AIRPLANES WITH HMGD
7	APU BUS AC VOLTS	EG8	24-28-01	AIRPLANES WITH HMGD
8	APU BUS AC FREQ	EG8	24-28-01	AIRPLANES WITH HMGD
9	APU EGT	FA5	49-70-01	
10	APU LOAD	EE11	24-28-01	
11	APU OIL LEVEL	FF10	49-70-01	
12	APU RPM	FA6	49-70-01	
13	BK1 TEMP	AF10	32-46-01	AIRPLANES WITH EICAS PROGRAM PIN NO. 25 SELECTED
14	BK2 TEMP	AE2	32-46-01	AIRPLANES WITH EICAS PROGRAM PIN NO. 25 SELECTED
15	BK3 TEMP	BE3	32-46-01	AIRPLANES WITH EICAS PROGRAM PIN NO. 25 SELECTED
16	BK4 TEMP	BE2	32-46-01	AIRPLANES WITH EICAS PROGRAM PIN NO. 25 SELECTED
17	BK5 TEMP	DD6	32-46-01	AIRPLANES WITH EICAS PROGRAM PIN NO. 25 SELECTED
18	BK6 TEMP	DD7	32-46-01	AIRPLANES WITH EICAS PROGRAM PIN NO. 25 SELECTED
19	BK7 TEMP	DD15	32-46-01	AIRPLANES WITH EICAS PROGRAM PIN NO. 25 SELECTED
20	BK8 TEMP	EH1	32-46-01	AIRPLANES WITH EICAS PROGRAM PIN NO. 25 SELECTED
21	BUS AC VOLTS - L	EG9	24-28-01	
22	BUS AC VOLTS - R	EG10	24-28-01	
23	BUS AC FREQ - L	EG9	24-28-01	
24	BUS AC FREQ - R	EG10	24-28-01	
25	CREW OXY PRESS	AF9	35-11-01	
26	STBY BUS OFF	DB4	24-33-01	
28	APU OIL QTY (PP#19)	EG1	31-41-01	-001 THRU -1000 EICAS
28	APU OIL QTY	EG1	31-41-01	-1001 THRU -9999 EICAS
29	L FWD WINDOW HEAT	EC6	30-41-01	
30	SPARE DISC 1-02	DB13	NC	

EICAS DISAGREE OR FAIL CODES (TABLE 101)

CODE	DESCRIPTION	PIN	SCHEMATIC	EFFECTIVITY
31	LOW FUEL QTY	ED13	28-41-01	
32	L ENG OUT RLY	FJ10	77-12-04	
33	GPWC MONITOR	BJ1	34-46-01	
34	C HYD PUMP 2 OVHT	AK3	29-00-04	
35	L HYD ELEC PUMP PR	AK11	29-00-02	
36	FWD CARGO DET 1	AH6	26-16-01	ALL
37	NOT USED			
38	R TURB OVHT LP 2	EG5	26-13-02	
39	HYD PRESS STATUS (PP#27)	EK1	31-41-01	-001 THRU -1000 EICAS
39	HYD PRESS STATUS	EK1	31-41-01	-1001 THRU -9999 EICAS
40	L T/R IN TRANSIT	BF3	78-36-01	
41	R ENG (PP#8)	BF2	31-41-01	-001 THRU -1000 EICAS
41	R ENG	BF2	31-41-01	-1001 THRU -9999 EICAS
42	APU BTL DISCH	DC9	26-22-01	AIRPLANES WITH APU FIRE BOTTLE
43	GEAR DISAGREE SYS 1	DB7	32-61-01	
44	L AC BUS TIE ISOL	DC6	24-22-07	
45	L MAIN PITOT HEAT	EC3	30-31-01	
46	SPARE DISC 1-05	EC12	NC	
47	HYD BRAKE SOURCE	EH12	32-41-01	
48	ECS IN US UNITS (PP#14)	BC6	31-41-01	-001 THRU -1000 EICAS
48	ECS IN US UNITS	BC6	31-41-01	-1001 THRU -9999 EICAS
49	NOT USED			
50	L ENG FUEL FILTER	AJ11	73-31-01	
51	L ENG BVCU FAULT	AH5	75-32-01	
52	R YAW DAMPER	AD7	22-21-02	
53	PARITY (ODD) (PP#32)	EJ1	31-41-01	-001 THRU -1000 EICAS
53	PARITY (ODD)	EJ1	31-41-01	-1001 THRU -9999 EICAS
54	NOT USED			
55	NOT USED			
56	HYD MOT GEN (PP#23)	BK9	31-41-01	-001 THRU -1000 EICAS
56	HYD MOT GEN	BK9	31-41-01	-1001 THRU -9999 EICAS
57	L ENG FIRE	BE4	26-11-01	
58	FWD EQ SUP FAN 2	AD9	21-58-03	
59	L GEN GCB OPEN	DB1	24-22-02	
60	C HYD SYS LO PRESS	DJ10	29-00-04	
61	CAPT INSTR BUS XFFR	BJ14	21-51-61	
62	DC BUS TIE	EJ14	24-32-01	
63	HYD GEN VALVE	EB13	24-27-XX	
64	RSV BRAKE VAL	FK10	29-00-04	
65	ANTISKID	FH10	32-42-04	
66	AUTO SPEEDBRAKE	AG9	27-62-01	

EICAS DISAGREE OR FAIL CODES (TABLE 101)

CODE	DESCRIPTION	PIN	SCHEMATIC	EFFECTIVITY
67	AFT CARGO FAN	AJ15	21-44-01	
68	L IRS DC FAIL	AG8	34-21-01	
69	R ECS PACK BITE	DF11	21-51-10	
70	R ENG TAI ON	DJ13	30-21-02	
71	NOT USED			
72	R T/R IN TRANSIT	DF12	78-36-01	
73	AFT CARGO DET 2	EG2	26-16-02	
74	AFT EQ EXH FAN 2	AK14	21-58-04	
75	DFDAU STATUS	AJ14	31-31-01	
76	R AC BUS OFF	DB2	24-22-04	
77	RUDD RATIO MODULE	EK9	27-20-02	
78	ANTISKID/AUTOBRAKE	DB12	32-42-04	
79	ATC FAULT	EA13	34-53-01	
80	L ICE DETECTOR	BK04	30-81-01	
81	L ENG PROBE HEAT	BJ10	30-34-01	
82	SPOILER MODULE	AH14	27-61-01	
83	N GEAR LOCK SYS 2	AD10	32-61-01	
84	FWD EQ SPLY FLOW	DA3	21-58-01	
85	NOT USED			
86	NOT USED			
87	C-L FUEL PUMP PR	BE7	28-22-01	
88	NOT USED			
89	NOT USED			
90	SPOILER SYSTEM	DC11	27-61-01	
91	FLT DECK AIR OVHT	DA14	21-61-01	
92	L ECS PACK OVHT	AE6	21-51-09	
93	MASTER CAUT/WARN	BJ15	31-41-06	
94	L HYD ENG PUMP OH	FG4	29-00-02	
95	L ENG TAI PRESS	FG5	30-21-01	
96	L IDG FILTER	FG1	24-11-01	
97	R AUX PITOT HEAT	DB9	30-31-02	
98	R HYD ELEV VALVE	DH5	29-00-04	
104	R GEAR DOWN SYS 2	FD6	32-61-01	ALL
105	APU FAULT	FB6	49-61-01	ALL
106	NOT USED			ALL
107	L SPAR FUEL VALVE	ED5	28-22-01	ALL
108	T/O CONFIG FLAPS	DA15	31-51-03	ALL
109	L WING SLIDE DOOR	BA12	NC	
110	L HYD RSVR PRESS>55	FK3	29-00-01	ALL
111	OVERSPEED-R ADC	BC15	34-12-02	ALL
112	CABIN AUTOPRESS 1	EF14	21-31-01	ALL
113	FLT RECORDER	EC10	31-31-01	ALL
114	ENG BTL 1 DISCH	DG2	26-21-01	ALL

EICAS DISAGREE OR FAIL CODES (TABLE 101)

CODE	DESCRIPTION	PIN	SCHEMATIC	EFFECTIVITY
115	R STRUT LOOP 1(PP#21)	DG1	26-12-01	-001 THRU -1000 EICAS
115	R STRUT LOOP 1	DG1	26-12-01	-1001 THRU -9999 EICAS
116	NOT USED			
117	L HYD ELEV VALVE	BJ12	29-00-02	
118	SPARE DISC 2-02	BH13	NC	
119	NOT USED			
120	R HYD SYS LO PRESS	FC9	29-00-03	
121	R STARTER CUTOUT	FB5	80-11-01	
122	TE FLAP ASYM	DG15	27-51-05	
123	FWD EQ CLG FILTER	DC15	NC	
124	L ECS PACK OFF	AD8	21-51-09	
125	GEAR DOORS SYS 1	BF14	32-61-01	
126	AUTOTHROTTLE DISC	BD8	22-34-01	
127	NOT USED			
128	FLT DECK DOOR	BB11	NC	
129	R CTR ENTRY DOOR	BA5	52-71-01	
130	ECS TEMP (PP#21)	AK1	31-41-01	-001 THRU -1000 EICAS
130	ECS TEMP	AK1	31-41-01	-1001 THRU -9999 EICAS
131	L OIL FILTER	AH4	79-35-01	
126	AUTOTHROTTLE DISC	BD8	22-34-01	
127	NOT USED			
128	FLT DECK DOOR	BB11	NC	
129	R CTR ENTRY DOOR	BA5	NC	
130	ECS TEMP (PP#21)	AK1	31-41-01	-001 THRU -1000 EICAS
130	ECS TEMP	AK1	31-41-01	-1001 THRU -9999 EICAS
131	L OIL FILTER	AH4	79-35-01	
132	L STRUT LOOP 1	AG7	26-11-00	
133	HYD GENERATOR	FJ4	24-25-01	AIRPLANES WITH HMG
134	L FIRE EXT SWITCH	BJ11	73-21-01	
135	FWD EQPT SMOKE	FF5	21-58-02	
136	OVERSPEED-L ADC	FE5	34-12-01	
137	C HYD ELEV VALVE	FJ8	27-00-01	
138	L RECIRC FAN	AE7	21-25-01	
139	NOT USED			
140	NOT USED			
141	PASS OXYGEN ON	FF6	35-21-01	
142	MAIN BAT DISCH	EC15	24-31-01	
143	NOT USED			
144	L CTR ENTRY DOOR	BA11	52-71-01	
145	AFT CARGO DOOR 1	BA7	52-71-01	ALL
146	CARGO BTL 1 DISCH	DD1	26-23-01	
147	R FIRE EXT SWITCH	DK06	76-21-01	

EICAS DISAGREE OR FAIL CODES (TABLE 101)

CODE	DESCRIPTION	PIN	SCHEMATIC	EFFECTIVITY
148	NOT USED			
149	SPARE DISC 2-01	BG6	NC	
150	C IRS ON DC	FD5	34-21-03	
151	AFT EQU SPLY FAN 2	FJ7	21-58-05	
152	L STARTER CUTOUT	FD9	80-11-01	
153	C-R FUEL PUMP LT	FJ9	28-22-03	
154	C HYD SYS LO QTY	DB6	29-00-05	
155	L AOA PROBE HEAT	DB5	30-32-01	
156	AFT CARGO DOOR 2	BC7	52-71-01	
157	NOSE COMPR SYS 2	BH01	32-09-02	
158	DUCT LEAK SYS	DC10	26-17-01	
159	ANTISKID NORMAL	BF15	32-42-01	
160	ELECT ACCESS DOOR	BA6	52-71-01	
161	APU FIRE LOOP 2	FD4	26-15-01	
162	SPARE DISC 2-03	DE12	NC	
163	L GEAR DOWN SYS 1	DG13	32-61-01	
164	AFT CARGO DET 1	DF1	26-16-02	
165	APU BTL 2 DISCH	FF9	26-22-01	AIRPLANES WITH DUAL APU FIRE BOTTLE
166	NOT USED			
167	R EEC (LIMITER)	DH4	73-21-05	
168	R IRS DC FAIL	DE9	34-21-02	
169	APU BAT CHGR (CAA)	FE2	24-31-01	
170	L AUX PITOT H1 HT	EK5	30-31-01	
171	L ENG HI STAGE	EK7	36-11-07	
172	R ENG BLEED OFF	EK6	36-11-05	
173	NOT USED			
174	ICE DETECTOR LT	ED6	30-81-01	
175	FUEL QTY BITE	ED4	28-40-01	
176	CERT AGENCY CAA(PP#17)	BB6	31-41-01	-001 THRU -1000 EICAS
176	CERT AGENCY CAA	BB6	31-41-01	-1001 THRU -9999 EICAS
177	NOT USED			
178	BRAKE TEMP (PP#25)	DK12	31-41-01	-001 THRU -1000 EICAS
178	BRAKE TEMP	DK12	31-41-01	-1001 THRU -9999 EICAS
179	SPARE DISC 1-06	DG12	NC	
180	R ELEV HIGH PRESS	DK4	27-30-01	
181	C ELEV HIGH PRESS	FJ6	27-30-01	
182	L ENG (PP#4)	DE11	31-41-01	-001 THRU -1000 EICAS
182	L ENG	DE11	31-41-01	-1001 THRU -9999 EICAS
183	L ENG (PP#1)	DE10	31-41-01	-001 THRU -1000 EICAS
183	L ENG	DE10	31-41-01	-1001 THRU -9999 EICAS
184	POWER XFER UNIT	DK5	29-00-04	
185	NOT USED			
186	ZONETEMP CONT UNIT	DB8	21-61-01	
187	APU GEN APB OPEN	DC7	24-20-03	
188	NOT USED			
189	L SIDE WINDOW HEAT	EC4	30-41-03	

EICAS DISAGREE OR FAIL CODES (TABLE 101)

CODE	DESCRIPTION	PIN	SCHEMATIC	EFFECTIVITY
190	R ENG PROBE HEAT	EA8	30-34-01	
191	ALL GEAR DOWN & LOCK	ED11	32-61-01	
192	APU DC FUEL PMP ON	FD10	28-40-01	
193	EMERGENCY LIGHTS	EA11	33-51-01	
194	AFT FUEL X-FEED	AK5	28-11-01	AIRPLANES WITH A DUAL FUEL CROSSFEED SYSTEMS
195	L HYD ENG PUMP PR	AK2	29-00-02	
196	L HYD RSVR PRES<17	AH2	29-35-01	
197	NOT USED			
198	TCAS FAIL	EG3	34-45-01	AIRPLANES WITH TCAS SUPPLEMENTARY PROGRAM PIN SELECTED
199	ANTISKID SWITCH	EJ5	32-42-04	
201	R ENGINE (PP#7)	BF7	31-41-01	-001 THRU -1000
201	R ENGINE	BF7	31-41-01	-1001 THRU -9999
202	N GEAR LOCK SYS 1	DC12	32-61-01	
203	WHEEL WELL FIRE	DB10	26-17-01	
204	R UTIL BUS OFF	DC8	24-51-02	
205	R FWD WINDOW HEAT	EC5	30-41-02	
206	AFT CARGO DET FAN	EC11	26-16-02	
207	STAB TRIM MODULE	EJ11	27-40-01	
208	METRIC UNITS (PP#13)	BC9	31-41-01	-001 thru -1000 EICAS
208	METRIC UNITS	BC9	31-41-01	-1001 thru -9999 EICAS
209	NOT USED			
210	LDG GEAR LEVER UP	AK6	32-61-01	
211	NOT USED			
212	L YAW DAMPER	DA6	22-21-01	
213	ENG MANUF (PP#31)	EJ4	NC	-001 THRU -1000 EICAS
213	ENG MANUF	EJ4	NC	-1001 THRU -9999 EICAS
214	R ENG FUEL PUMP	EJ3	73-31-01	
215	NOT USED			
216	L HYD ELEC PUMP OH	BK7	29-00-02	
217	L BLEED DUCT LEAK	BF4	26-18-01	
218	NOT USED			
219	R GEN DRIVE OIL	DA1	24-22-02	
220	C HYD PUMP 2 PR	DJ11	29-00-04	
221	LAVATORY SMOKE (B)	BK14	NC	
222	R CSEU PSU MODULE	EA10	27-09-05	
223	BRAKE TEMP LT	EJ15	29-00-04	
224	NOT USED	FE10	NC	
225	C HYD RSVR PRES<17	FC10	29-00-04	
226	PARKING BRAKE ON	AG3	32-41-01	
227	FWD CARGO FAN	DA5	21-43-01	
228	L IRS ON DC	AG1	34-21-01	
229	EQPT SMOKE DET 2	DF13	26-16-01	

EICAS DISAGREE OR FAIL CODES (TABLE 101)

CODE	DESCRIPTION	PIN	SCHEMATIC	EFFECTIVITY
230	NOT USED			
231	NOT USED			
232	R T/R DEPLOYED	DF14	78-36-01	
233	L ENG FIRE LOOP 2	EG4	26-11-01	
234	AFT EQPT EXH FAN 1	AG14	21-58-00	
235	T/O CONFIG-PARK BK	AG15	31-51-03	
236	L AC BUS OFF	DB3	24-22-02	
237	R AUX PITOT H1 HT	EK8	30-30-01	
238	R ENG TAI VALVE	EA5	30-21-02	
239	R FMC FAIL	BK1	34-61-07	
240	A/P WARN-2 NORM	EA9	22-14-01	
241	R AOA PROBE HEAT	EA7	30-32-02	
242	BRAKE LIMITER	DA11	NC	
243	NOT USED			
244	FWD EQUIP EXH FLOW	DA4	21-58-01	
245	NOT USED			
246	NOT USED			
247	L ENGINE OVHT	BE5	26-11-03	
248	FWD CARGO DET 2	BG5	26-16-01	
249	FULL TIME FF (PP#10)	BF6	31-41-01	-001 THRU -1000 EICAS
249	FULL TIME FF	BF6	31-41-01	-1001 THRU -9999 EICAS
250	MAIN BATT SWITCH	AD4	24-33-01	
251	L AFT EMERG DOOR	DA9	52-71-01	
252	SINGLE ENG OIL TEMP SNSR (PP#20)	DD8	31-41-00	-001 THRU -1000 EICAS
252	SINGLE ENG OIL TEMP SNSR	DD8	31-41-00	-1001 THRU -9999 EICAS
253	R SIDE WINDOW HEAT	AD2	30-41-04	
254	ICE DETECTOR INOP	ED7	30-81-01	AIRPLANES WITH ICE DETECTOR SYSTEM
255	R AFT EMERG DOOR	AE1	52-71-01	
256	R ENG OUT RLY 757	FB10	77-12-05	
257	L FMC FAIL	EK14	34-61-02	
258	R HYD ELEC PUMP	AK8	29-00-03	
259	C HYD PUMP 1 PR	AG11	29-00-04	
260	L TURB OVHT LOOP 1	AH7	26-13-01	
261	NOT USED			
262	R STRUT LOOP 2	EG7	26-12-01	
263	3 CREW INSTLN (PP#28)	EJ8	31-41-01	-001 THRU -1000 EICAS
263	3 CREW INSTLN	EJ8	31-41-01	-1001 THRU -9999 EICAS
264	R ENG (PP#6)	BF11	31-41-01	-001 THRU -1000 EICAS
264	R ENG	BF11	31-41-01	-1001 THRU -9999 EICAS
265	R ENG (PP#9)	BF10	31-41-01	-001 THRU -1000 EICAS
265	R ENG	BF10	31-41-01	-1001 THRU -9999 EICAS
266	FWD EQ EXH VALVE	DE15	21-58-02	
267	NOT USED			

EICAS DISAGREE OR FAIL CODES (TABLE 101)

CODE	DESCRIPTION	PIN	SCHEMATIC	EFFECTIVITY
268	R AC BUS TIE ISOL	DC1	24-22-08	
269	L AUX PITOT HEAT	AD1	30-31-01	
270	L CSEU PSU MODULE	FD3	27-09-05	
271	AFT CABIN AIR OVHT	EJ10	21-61-03	
272	PRECOOL OUTLET TEMP (PP#15)	BD3	31-41-01	-001 THRU -1000 EICAS
272	PRECOOL OUTLET TEMP	BD3	31-41-01	-1001 THRU -9999 EICAS
273	NOT USED			
274	R ENG FUEL FILTER	AK7	73-31-01	
275	L ELEV HIGH PRESS	AH9	27-30-01	
276	STAB TRIM FAULT	AD11	27-40-01	
277	LDG GR LEVER SYS 2	EJ7	32-61-01	
278	NOT USED			
279	NOT USED			
280	APU RPM STATUS (PP#24)	BK6	31-41-01	-001 THRU -1000 EICAS
280	APU RPM STATUS	BK6	31-41-01	-1001 THRU -9999 EICAS
281	RUDDER PCU	BE8	27-23-01	
282	R ENG (PP #6)	AJ13	31-41-01	-001 THRU -1000 EICAS
282	R ENG	AJ13	31-41-01	-1001 THRU -9999 EICAS
283	R GEN GCB OPEN	DA12	24-22-04	
284	R HYD ENG PUMP PR	DK13	29-00-03	
285	F/O INST BUS XFER	BH14	24-51-62	
286	R ELEV PCU	ED8	27-23-01	
287	LAVATORY SMOKE (C)	EF15	NC	
288	APU FUEL SHUTOFF	FA10	49-61-01	
289	INSTR SWITCH	FA9	34-22-00	
290	AUTO BRAKES	AG6	32-42-01	
291	CABIN ALT >10KFT	AF13	21-33-01	
292	L IRS FAULT	AG5	34-21-01	
293	NOT USED			
294	NOT USED			
295	NOT USED			
296	NOT USED			
297	R NACELLE LOOP 2	EG6	26-11-04	
298	GEAR DISAGRE SYS 2	AG12	32-61-01	
299	FMC ANNUNCIATION	AG13	34-61-02	
300	L UTIL BUS OFF	AE5	24-51-01	
301	YAW DAMPER MOD	EK13	22-21-02	
302	UNSCHED STAB MOVE	EB12	27-40-01	
303	L ENG FUEL VALVE	BF13	73-21-61	
304	EQPT SMOKE TEST	ED14	21-58-05	
305	L ENG TAI VALVE	EC14	30-21-01	
306	L GEN DRIVE OIL	DA10	24-22-01	
307	NOT USED			
308	EQPT SMOKE DET 1	DA2	21-58-02	

EICAS DISAGREE OR FAIL CODES (TABLE 101)

CODE	DESCRIPTION	PIN	SCHEMATIC	EFFECTIVITY
309	NOT USED			
310	NOT USED			
311	R ENG FIRE LOOP 2	BE9	26-11-02	
312	L TURB OVHT LOOP 2	BG2	26-13-01	
313	NOT USED			
314	ELEVATOR FEEL SYS	DC4	27-30-01	
315	TRIM AIR VALVE	DA13	21-61-04	
316	R ECS PACK OVHT	AD5	21-51-10	
317	L ENG IGN ON STBY	BH15	74-31-01	
318	L WING TAI VALVE	FG7	30-11-01	
319	R ENG TAI PRESS	FG8	30-21-01	
320	R IDG FILTER	FG3	24-11-02	
321	R TAT PROBE HEAT	EC13	NC	
322	L FWD FUEL PUMP	DH8	28-22-02	
323	A/P WARN-2 BAT	DG7	22-14-01	
324	R EEC (SUPERVISORY)	DH4	73-21-05	
325	NOT USED			
326	ENG MAN (PP#30)	FH5	NC	-001 THRU -1000 EICAS
326	ENG MAN	FH5	NC	-1001 THRU -9999 EICAS
327	L ENG STARTER VAL	BH11	80-11-01	
328	L ELEV PCU	FD7	27-23-01	
329	NOT USED			AIRPLANES WITH -106 THRU -109 EICAS COMPUTERS
329	LOW CREW OXY	FB4	31-41-01	AIRPLANES WITH -110 THRU -9999 EICAS COMPUTERS
330	FWD EQUIP SUP FAN 1	AE11	21-58-03	
331	R SPAR FUEL VALVE	EC1	28-22-01	
332	T/O CONFIG SPOILER	ED2	31-51-03	
333	R WING SLIDE DOOR	BB10	52-70-01	
334	C HYD RSVR PRES>55	FG6	29-00-01	
335	GEAR DOORS SYS 2	FC2	32-61-01	
336	CABIN AUTO PRESS 2	EF13	21-31-02	
337	NOT USED			
338	C-R FUEL PUMP PR	DG8	28-22-03	
339	R NACELLE LOOP 1	DG9	26-11-04	
340	NOT USED			
341	L ENG FUEL PUMP	BH5	73-31-01	
342	L ENG TAI ON	BH12	30-21-01	
343	NOT USED			
344	N GEAR DOWN SYS #2	FC7	32-61-01	
345	APU BAT NO STBY	FB3	24-35-01	
346	TE FLAPS DISAGREE	ED1	27-51-06	

EICAS DISAGREE OR FAIL CODES (TABLE 101)

CODE	DESCRIPTION	PIN	SCHEMATIC	EFFECTIVITY
347	L FWD EMERG DOOR	AE4	52-71-01	
348	R ECS PACK OFF	AG10	21-51-10	
349	LDG CONFIG-GEAR	BG14	31-51-05	
350	L ENG FUEL CUTOFF	BD14	76-21-01	
351	EQUIP OVHT	BG8	21-58-01	
352	L FWD ENTRY DOOR	BA10	52-71-01	
353	R AFT ENTRY DOOR	AD13	52-71-01	
354	BULK CARGO TEMP(PP#22)	AK9	NC	-001 THRU -1000 EICAS
354	BULK CARGO TEMP	AK9	NC	-1001 THRU -9999 EICAS
355	NOT USED			
356	DUCT LEAK SYS	AG4	26-11-03	
357	FUEL XFEED CLOSED	FH4	28-22-01	
358	L EEC (SUPERVISORY)	BH6	73-21-04	
359	APU FIRE	FF2	26-15-01	
360	AIR/GND SYS 1	FE9	32-09-02	
361	L AFT FUEL PUMP	FH8	28-22-02	
362	R RECIRC FAN	AD6	21-25-02	
363	NOT USED			
364	NOT USED			
365	APU BLEED VALVE	FF1	36-11-04	
366	FLAP ISOL VALVE	ED9	27-51-02	
367	NOT USED			
368	L AFT ENTRY DOOR	BE12	52-71-01	
369	R FWD ENTRY DOOR	AD14	52-71-01	
370	FWD CARGO FIRE	DF7	26-16-01	
371	R ENG LO OIL PRESS	DK10	79-33-01	
372	N GEAR DOWN SYS 1	DF6	32-61-01	
373	MAX THROTTLE-L	BG10	73-21-04	
374	C IRS DC FAIL	FC3	34-21-03	
375	AFT EQU LOW FLOW	FH7	21-58-01	
376	AFT EQ SMOKE	FE8	21-58-02	
377	R FWD FUEL PUMP	FH9	28-22-04	
378	R HYD SYS LO QTY	EC7	NC	
379	L TAT PROBE HEAT	EC8	NC	
380	NOT USED			
381	IDG TEMP/RISE SW	BB5	24-11-02	
382	NOT USED			
383	NOT USED			
384	FWD CARGO DOOR	AF15	52-71-01	
385	CARGO AIR FLOW	FE7	26-16-01	
386	MAX THROTTLE-R	DE13	73-21-05	
387	R GEAR DOWN SYS 1	DF8	32-61-01	
388	R TURB OVHT LOOP 1	DF5	26-13-02	
389	CARGO BTL 2 DISCH	FC8	26-23-01	
390	NOT USED			

EICAS DISAGREE OR FAIL CODES (TABLE 101)

CODE	DESCRIPTION	PIN	SCHEMATIC	EFFECTIVITY
391	NOT USED			
392	R IRS FAULT	DE2	34-21-02	
393	APU DOOR	FE1	49-52-02	
394	R MAIN PITOT HI HT	EK12	30-31-02	
395	R ENG HI STAGE	EK11	36-11-08	
396	L ENG BLEED OVHT	EK10	36-22-01	
397	L ECS PACK BITE	FD2	21-51-09	
398	ANTISKID ALTN	AD3	32-42-01	
399	FUEL XFEED VALVE	EC2	28-22-01	
400	MIDCABIN TEMP ZONE (PP#18)	BE13	NC	-001 THRU -1000 EICAS
400	MIDCABIN TEMP ZONE	BE13	NC	-1001 THRU -9999 EICAS
401	NOT USED			
402	RAM OUTLET DOOR (PP#26)	DJ12	31-41-00	-001 THRU -1000 EICAS
402	RAM OUTLET DOOR	DJ12	31-41-00	-1001 THRU -9999 EICAS
403	L HYD SYS LO PRESS	DE14	29-00-02	
404	R HYD RSVR PRES<17	DK7	29-00-01	
405	RAT DEPLOY FAULT	FH6	29-00-04	
406	L INSTLN (PP#5)	DE3	31-41-01	-001 THRU -1000 EICAS
406	L INSTLN	DE3	31-41-01	-1001 THRU -9999 EICAS
407	L ENG (PP#2)	DE4	31-41-01	-001 THRU -1000 EICAS
407	L ENG	DE4	31-41-01	-1001 THRU -9999 EICAS
408	NOT USED			
409	NOT USED			
410	L HYD SYS LO QTY	EA3	29-00-05	
412	WEU POWER SUPPLY	BC8	31-51-05	
413	R ENG IGN ON STBY	BK2	74-31-01	
414	RUDDER RATIO SYS	DC13	27-20-02	
415	R ENG FUEL VALVE	BD15	73-21-02	
416	FWD ACCESS DOOR	BB7	52-71-01	
417	ENG BTL 2 DISCH	FE3	26-21-01	
418	NOT USED			
419	FWD CARGO DET FAN	DG11	26-16-01	
420	APU FIRE LOOP 1	DF4	26-15-01	
421	NOSE COMPR SYS 1	FF8	32-09-02	
422	NOT USED			
423	R ENG OIL FILTER	DK3	79-35-01	
424	R IRS ON DC	DE5	34-21-02	
425	MACH SPEED TRIM	FE4	22-24-01	
426	APU LOW OIL QUANT	EK4	49-27-01	
427	R ENG BLEED OVHT	EK2	36-22-01	
428	L ENG BLEED OFF	EK3	36-22-01	
429	R ENG FUEL CUTOFF	BJ3	73-21-02	
430	FIRE/DET SYSTEM	EA2	26-16-02	

EICAS DISAGREE OR FAIL CODES (TABLE 101)

CODE	DESCRIPTION	PIN	SCHEMATIC	EFFECTIVITY
431	T/O CONFIG STAB	EA1	27-40-01	
432	CERT AGENCY FAA(PP#16)	BD11	31-41-01	-001 THRU -1000 EICAS
432	CERT AGENCY FAA	BD11	31-41-01	-1001 THRU -9999 EICAS
433	NOT USED			
434	AFT EQ CLG FILTER	DK11	NC	
435	APU BAT DISCH	DG10	24-33-02	AIRPLANES WITH 90 MIN STANDBY APU BATTERY
436	R ENG BVCU FAULT	DJ2	75-32-01	
437	RAT UNLOCKED	FK6	29-00-04	
438	L ENGINE (PP#03)	DE6	31-41-01	-001 THRU -1000 EICAS
438	L ENGINE	DE6	31-41-01	-1001 THRU -9999 EICAS
439	LDG GR LEVER SYS 1	DE7	32-61-01	
440	R ENG STARTER VAL	DK2	80-11-02	
441	NOT USED			
442	FSEU FAULT(MAINT)	DC14	27-50-01	
443	NOT USED			
444	NOT USED			
445	AIR/GROUND SYS 2	BJ13	32-09-02	
446	R HYD RVSR PRES>55	FJ3	29-00-01	
447	R WING TAI VALVE	FJ2	30-11-01	
448	NOT USED			
449	R MAIN PITOT HEAT	EA6	30-31-02	
450	R ELEV LOW PRESS	DH2	27-30-01	
451	R BLEED DUCT LEAK	DG4	26-18-02	
452	R AFT FUEL PUMP	DH3	28-22-04	
453	L ENG FUEL TEMP	BE6	26-11-03	
454	EQUIP COOLING TEST	FK5	21-58-05	
455	L EEC (LIMITER)	BH8	NC	
456	L GEAR DOWN SYS 2	FC5	32-61-01	
457	L MAIN PITOT H1 HT	FB8	30-31-01	
458	NOT USED			
459	FUEL CONFIG	ED3	28-41-01	
460	LE SLAT DISAGREE	DB14	27-81-03	
461	BLEED ISOL VALVE	BB13	36-11-05	
462	R HYD ELEC PUMP PR	FK2	29-00-03	
463	LDG CONFIG-SPD BK	BC14	31-51-04	
464	ELEV ASYM PROT SYS	EG15	27-30-01	

EICAS DISAGREE OR FAIL CODES (TABLE 101)

CODE	DESCRIPTION	PIN	SCHEMATIC	EFFECTIVITY
465	LOW CREW OXYGEN IND	EC9	35-11-01	
466	R ENG OVHT	DG5	26-11-04	
467	L ENG FIRE LOOP 1	DG6	26-11-01	
468	NOT USED			
469	L ELEV LOW PRESS	BH9	27-30-01	
470	NOT USED			
471	C HYD PUMP #1 OH	BK8	29-00-04	
472	AFT CARGO FIRE	FF7	26-16-02	
473	767 INSTL (PP#11)	FB7	NC	-001 THRU -1000 EICAS
473	767 INSTL	FB7	NC	-1001 THRU -9999 EICAS
474	LE SLAT ASYM	EB1	27-81-05	
475	FLAP LOAD RELIEF	DB15	27-51-03	
476	NOT USED			
477	ALTITUDE ALERT	BE14	34-16-01	
478	A/P CAUTION-2 (NRM)	BJ2	22-14-01	
479	NOT USED			
480	APU FAULT (MAINT)	BA13	49-61-01	
481	R EMERGENCY DOOR	BD5	52-71-01	
482	R HYD ENG PUMP OH	AK4	29-00-03	
483	L ENG LO OIL PRESS	AH3	79-33-01	
484	R ENG FIRE LOOP 1	AG2	26-11-02	
485	NOT USED			
486	L ENG DED GEN	BJ10	73-21-04	
487	FWD FUEL X-FEED	FF3	28-22-01	AIRPLANES WITH A DUAL FUEL CROSSFEED SYSTEM
488	R ICE DETECTOR	FE6	30-81-01	
489	C ELEV LOW PRESS	FK8	27-30-01	
490	NOT USED			
491	NOT USED			
492	NOT USED			
493	NOT USED			
494	MAIN BAT CHARGER	EA12	24-31-01	
495	NOT USED			
496	L EMERGENCY DOOR	BB12	52-71-01	
497	AFT CARGO DOOR	BA7	52-71-01	
498	APU BTL 1 DISCH	DF2	26-22-01	AIRPLANES WITH DUAL AIM FIRE BALL
499	R ENG DED GEN	DJ3	75-21-05	
500	FSEU FAULT (STATUS)	DF3	27-50-01	
501	NOT USED			
502	C IRS FAULT	FC4	34-21-03	
503	AFT EQ SPLY FAN 1	FK7	21-58-05	
504	AVM FILTER (PP#12)	FD8	31-41-01	-001 THRU -1000 EICAS
504	AVM FILTER	FD8	31-41-01	-1001 THRU -9999 EICAS
505	FWD CABIN AIR OVHT	FK9	21-61-02	

EICAS DISAGREE OR FAIL CODES (TABLE 101)

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

EICAS DISAGREE OR FAIL CODES (TABLE 101)

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

C. EICAS DISAGREE Trouble-Shooting

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

(a) Engine Parameter Disagreement

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

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

OIL T (AIRPLANES WITH DUAL OIL TEMP. SENSORS)	524	525

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

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

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

(c) Master Caution Light Disagreement

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

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

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

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

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

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

2. ARINC 429 Data Bus Charts

A. General

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

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

B. Equipment

(1) Standard multimeter
(2) 429EBP Data Bus Analyzer (recommended)
JcAIR Instrumentation
400 Industrial Parkway
Industrial Airport, KS 66031

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

EICAS

DIGITAL OUTPUT BUS CHART

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

EICAS ID=029

OCTAL LABELS CHART

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

EICAS ID=029

OCTAL LABELS CHART

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

EICAS ID=029

OCTAL LABELS CHART

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

EICAS ID=029

OCTAL LABELS CHART

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

EICAS ID=029

OCTAL LABELS CHART

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

EICAS ID=029								
OCTAL LABELS CHART								
SIGNAL	TYPE	LABEL	FORMAT	MIN UPDATE RATE	SDI	BINARY RANGE	POSITIVE SENSE	UNITS
GPU AC VOLTS	A	026	BNR	5	11	256	ALWAYS POS	VAC
GPU FREQ	A	027	BNR	5	00	512	ALWAYS POS	HZ
GPU LOAD	A	027	BNR	5	01	256	ALWAYS POS	%LOAD
HYD PRES C	A	027	BNR	5	10	4096	ALWAYS POS	PSI
HYD PRES L	A	027	BNR	5	11	4096	ALWAYS POS	PSI
HYD PRES R	A	030	BNR	5	00	4096	ALWAYS POS	PSI
HYD QUANT C	A	030	BNR	5	01	256	ALWAYS POS	%FULL
HYD QUANT L	A	030	BNR	5	10	256	ALWAYS POS	%FULL
HYD QUANT R	A	030	BNR	5	11	256	ALWAYS POS	%FULL
IDG OIL TEMP L	A	031	BNR	5	00	± 2048	ALWAYS POS	DEG-C
IDG OIL TEMP R	A	031	BNR	5	01	± 2048	ALWAYS POS	DEG-C
INVERTER AC VOLTS	A	031	BNR	5	10	256	ALWAYS POS	VAC
INVERTER FREQ	A	031	BNR	5	11	512	ALWAYS POS	HZ
MAIN BATT CURRENT	A	032	BNR	5	00	± 256	BAT CHRGNG	AMP DC
MAIN BATT VOLTS	A	032	BNR	5	01	± 128	ALWAYS POS	VDC
PACK OUT TEMP L	A	032	BNR	5	10	± 2048	ABOVE O'C	DEG C
PACK OUT TEMP R	A	032	BNR	5	11	± 2048	ABOVE O'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

EICAS ID=029

OCTAL LABELS CHART

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

EICAS ID=029								
OCTAL LABELS CHART								
SIGNAL	TYPE	LABEL	FORMAT	MIN UPDATE RATE	SDI	BINARY RANGE	POSITIVE SENSE	UNITS
L PACK AIR FLOW	A	040	BNR	5	11	2560	ALWAYS POS	CUFT/M
L PACK TEMP VALVE	A	041	BNR	5	00	128	ALWAYS POS	% OPEN
BARO ALTITUDE	A	041	BNR	5	10	± 131072	ALWAYS POS	FEET
L RAM IN DOOR	A	041	BNR	5	01	128	ALWAYS POS	% CLOSED
L RAM OUT DOOR	A	041	BNR	5	11	128	ALWAYS POS	% CLOSED
COMPUTED AIRSPEED	A	042	BNR	2	11	± 1024	ALWAYS POS	KNOTS
R PACK AIR FLOW	A	042	BNR	5	00	2560	ALWAYS POS	CUFT/M
R PACK TEMP VALVE	A	042	BNR	5	01	128	ALWAYS POS	% OPEN
R RAM IN DOOR	A	042	BNR	5	10	128	ALWAYS POS	% CLOSED
R RAM OUT DOOR	A	043	BNR	5	00	128	ALWAYS POS	% CLOSED
AFT DUCT TEMP	A	043	BNR	5	01	± 2048	ABOVE 0'C	DEG C
BULK CARGO TEMP	A	043	BNR	5	10	± 2048	ABOVE 0'C	DEG C
FLT DECK DUCT TEMP	A	043	BNR	5	11	± 2048	ALWAYS POS	DEG C
FWD DUCT TEMP	A	044	BNR	5	00	± 2048	ABOVE 0'C	DEG C
L COMPR OUT TEMP	A	044	BNR	5	01	± 2048	ABOVE 0'C	DEG C
L PRECOOL OUT TEMP	A	044	BNR	5	10	± 2048	ABOVE 0'C	DEG C
L PRIM HX IN TEMP	A	044	BNR	5	11	± 2048	ABOVE 0'C	DEG C
L PRIM HX OUT TEMP	A	045	BNR	5	00	± 2048	ABOVE 0'C	DEG C

EICAS ID=029

OCTAL LABELS CHART

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

EICAS ID=029								
OCTAL LABELS CHART								
SIGNAL	TYPE	LABEL	FORMAT	MIN UPDATE RATE	SDI	BINARY RANGE	POSITIVE SENSE	UNITS
HYD GEN AC VOTS	A	057	BNR	5	10	256	ALWAYS POS	VAC
HYD GEN AC FREQ	A	057	BNR	2	11	512	ALWAYS POS	HZ
HYD GEN DC VOLTS	A	060	BNR	5	00	50	ALWAYS POS	VDC
DISC WORD #36	A	060	DIS	20	01 (SEE DISC OCTAL LABEL BIT CHART			
WRAPAROUND WORD	A	277	TBS	TBS	00	N/A		N/A
WRAPAROUND WORD	B	277	TBS	TBS	00	N/A		N/A
WRAPAROUND WORD	C	277	TBS	TBS	00	N/A		N/A
L EPR ACTUAL - TMC	B	300	BNR	20	00	4.0	ALWAYS POS	RATIO
R EPR ACTUAL - TMC	B	301	BNR	20	00	4.0	ALWAYS POS	RATIO
L N3 ACTUAL - TMC	B	302	BNR	20	00	256	ALWAYS POS	% RPM
R N3 ACTUAL - TMC	B	303	BNR	20	00	256	ALWAYS POS	% RPM
L N1 ACTUAL - TMC	B	304	BNR	20	00	256	ALWAYS POS	% RPM
R N1 ACTUAL - TMC	B	305	BNR	20	00	256	ALWAYS POS	% RPM
L FUEL FLOW - TMC	B	306	BNR	10	00	32768	ALWAYS POS	% RPM
R FUEL FLOW - TMC	B	307	BNR	10	00	32768	ALWAYS POS	% RPM
ENG FUEL FLOW-L	B	347	BNR	10	10	32768	ALWAYS POS	LBS/HR
ENG FUEL FLOW-R	B	347	BNR	10	01	32768	ALWAYS POS	LBS/HR
INTRA SYSTEM DATA	D	N/A	N/A	N/A	00	N/A		N/A

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
L ENG N1 YELLOW	007	11	RECORD	NORMAL	11
FWD CABIN TEMP	007	12	RECORD	NORMAL	01
C HYD SYS PRESS	007	12	RECORD	NORMAL	10
R ENG N1 YELLOW	007	12	RECORD	NORMAL	11
AFT CABIN TEMP	007	13	RECORD	NORMAL	01
R HYD SYS PRESS	007	13	RECORD	NORMAL	10
L ENG N2 YELLOW	007	13	RECORD	NORMAL	11
L PACK TEMP	007	14	RECORD	NORMAL	01
L HYD QTY	007	14	RECORD	NORMAL	10
R ENG N2 YELLOW	007	14	RECORD	NORMAL	11
R PACK TEMP	007	15	RECORD	NORMAL	01
C HYD QTY	007	15	RECORD	NORMAL	10
L ENG N3 YELLOW	007	15	RECORD	NORMAL	11
MID CABIN TEMP	007	16	RECORD	NORMAL	01
R HYD QTY	007	16	RECORD	NORMAL	10
R ENG N3 YELLOW	007	16	RECORD	NORMAL	11
R FAN AIR VALVE	007	17	RECORD	NORMAL	01
L ELEC HYD OVHT	007	17	RECORD	NORMAL	10
L ENG EGT YELLOW	007	17	RECORD	NORMAL	11
L DEM HYD OVHT	007	18	RECORD	NORMAL	10

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

EICAS

DISCRETE OCTAL LABELS/BIT CHART

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

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

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

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

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

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

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

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

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

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

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

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

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
A/P WARN-2 NORM	013	23	A/P DISC	NORMAL	01
C HYD AIR PUMP OH	013	23	OVHT	NORMAL	00
PROGRAM PIN #15	013	23	SELECTED	NOT SEL	11
R ENG RLY 757	013	23	FAULT	OK	10
C HYD RSVR PRES<17	013	24	LO PRESS	NORMAL	00
L FMC FAIL	013	24	OK	FAULT	10
BULK CARGO HEATER	013	24	ON	OFF	11
R AOA PROBE HEAT	013	24	FAULT	OK	01
PARKING BRAKE ON	013	25	ON	OFF	00
SPARE DISC 1-11	013	25	GND	OPEN	01
R HYD ELEC PUMP OH	013	25	OVHT	NORMAL	10
R ENG FUEL FILTER	013	25	BYPASS	NORMAL	11
FWD CARGO FAN	013	26	FAULT	OK	00

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

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
SUPL PROG PIN 1	014	16	SELECTED	NOT SEL	10
APU BAT NO STBY	014	16	NO STBY	NORMAL	11
SUPL PROG PIN 6	014	17	SELECTED	NOT SEL	00
GEAR DISAGRE SYS#2	014	17	DISAGREE	NORMAL	01
ELEVATOR FEEL SYS	014	17	FAULT	OK	10
FWD EQPT OVHT	014	17	OVHT	NORMAL	11
FMC ANNUNCIATION	014	18	ALERT	NORMAL	01
R GEN GCB OPEN	014	18	GEN OFF	GEN ON	00
R SPAR FUEL VALVE	014	18	DISAGREE	NORMAL	11
TRIM AIR VALVE	014	18	CLOSED	NORMAL	10
R HYD ENG PUMP PR	014	19	LO PRESS	NORMAL	00
L UTIL BUS OFF	014	19	BUS OFF	BUS ON	01
R ECS PACK OVHT	014	19	OVHT	NORMAL	10

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

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

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

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 TAT PROBE HEAT	015	18	FAULT	OK	10
R ENG HI STAGE	015	18	FAULT	OK	11
R ECS PACK OFF	015	19	OFF	ON	00
ALTN EICAS COMP	015	19	OK	FAULT	10
L ENG BLEED OVHT	015	19	OVHT	NORMAL	11
APU BLEED VALVE	015	20	DISAGREE	NORMAL	01
IDG TEMP/RISE SW	015	20	TEMP RISE	TEMP	10
LDG CONFIG-GEAR	015	20	WARNING	NORMAL	00
L ECS PACK BITE	015	20	FAULT	OK	11
L ENG FUEL CUTOFF	015	21	CUTOFF	RICH/RUN	00

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

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

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

EICAS

DISCRETE OCTAL LABELS/BIT CHART

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

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 BVCU FAULT	016	27	FAULT	OK	01
L NACELLE LOOP 2	016	28	FAULT	OK	10
NOSE COMPR SYS #1	016	28	ON GROUND	IN AIR	00
RAT UNLOCKED	016	28	UNLOCKED	LOCKED	01
L ENG VIB IDENT 1	023	18	CODED		01
R ENG VIB IDENT 1	023	18	CODED		10
L ENG VIB IDENT 2	023	19	CODED		01
R ENG VIB IDENT 2	023	19	CODED		10
C HYD PUMP #1 OH	036	14	OVHT	NORMAL	11
AFT CARGO FIRE	036	15	FIRE	NORMAL	11
PROGRAM PIN #11	036	16	SELECTED	NOT SEL	11

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	CONFIG FAULT	NORMAL	11
LE SLAT DISAGREE	036	19	DISAGREE	NORMAL	11
BLEED ISOL VALVE	036	20	DISAGREE	AGREE	11
R HYD ELEC PUMP PR	036	21	LO PRESS	NORMAL	11
LDG CONFIG-SPD BK	036	22	CAUTION	NORMAL	11
ELEV ASYM PROT SYS	036	23	FAULT	OK	11
BULK CARGO OVHT	036	24	OVHT	OUT TEMP	11
R ENGINE OVHT	036	25	OVHT	NORMAL	11
L ENG FIRE LOOP 1	036	26	FAULT	OK	11
L ELEV LOW PRESS	036	28	LO PRESS	NORMAL	11
APU FAULT	037	11	RECORD	NORMAL	10
L ENG N1 RED	037	11	RECORD	NORMAL	11
APU OIL QTY	037	12	RECORD	NORMAL	10
R ENG N1 RED	037	12	RECORD	NORMAL	11
L ENG DED GEN	037	13	FAULT	OK	00
C IRS FAULT	037	13	OK	FAULT	01
L ENG N2 RED	037	13	RECORD	NORMAL	11

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

EICAS

DISCRETE OCTAL LABELS/BIT CHART

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

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

EICAS

DISCRETE OCTAL LABELS/BIT CHART

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

EICAS DISP

DIGITAL OUTPUT BUS CHART

BUS NAME							
SOURCE	TYPE	BUS	CON	PINS	BUS FORMAT	BIT RATE	DATA 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 DISP ID=029								
OCTAL LABELS CHART								
SIGNAL	TYPE	LABEL	FORMAT	MIN UPDATE RATE	SDI	BINARY RANGE	POSITIVE SENSE	UNITS
DISC WORD 1	A	270	DIS	160	00	N/A		N/A
DISC WORD 2	A	271	DIS	160	00	N/A		N/A

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

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

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

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

WARNING SYSTEM

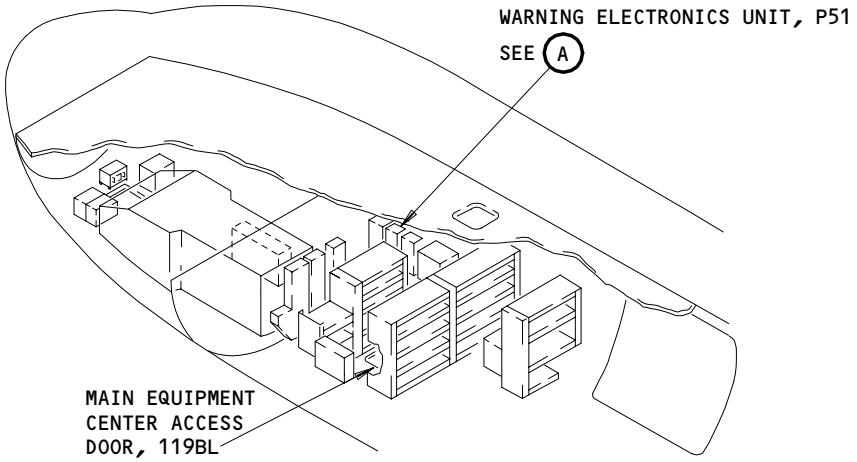
COMPONENT	FIG. 102 SHT	QTY	ACCESS/AREA	AMM REFERENCE
CIRCUIT BREAKER –	2		FLIGHT COMPARTMENT, P11	
AURAL WARN SPKR LEFT, C567		1	11B16	*
AURAL WARN SPKR RIGHT, C568		1	11H35	*
WARN ELEX A, C565		1	11J33	*
WARN ELEX B, C566		1	11B18	*
FILTER – 400 Hz EMI, M1102 (PSU A)	1	1	119BL, MAIN EQUIP CTR, P51	31-51-01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

* SEE THE WDM EQUIPMENT LIST

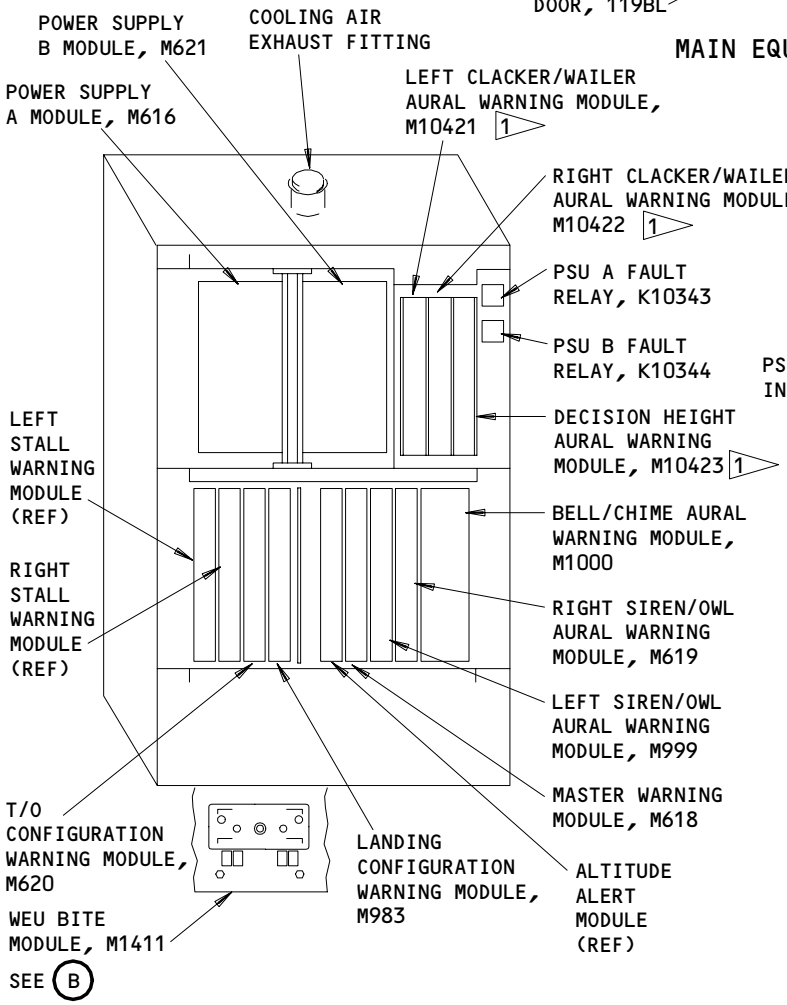
1 THE PSU RESET AND THE PSU A AND B FAULT INDICATORS ARE IN THE WEU BITE MODULE.

2 GUI 009

Warning System – Component Index
Figure 101

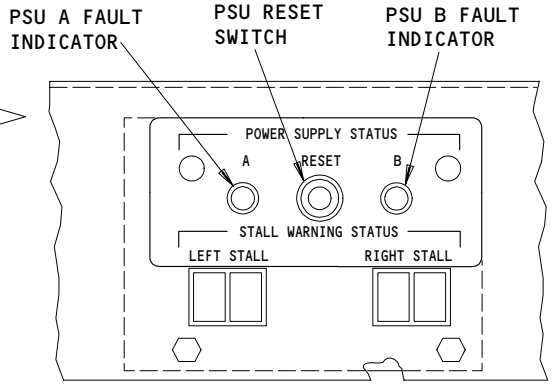


MAIN EQUIPMENT CENTER



WARNING ELECTRONICS UNIT, P51

A

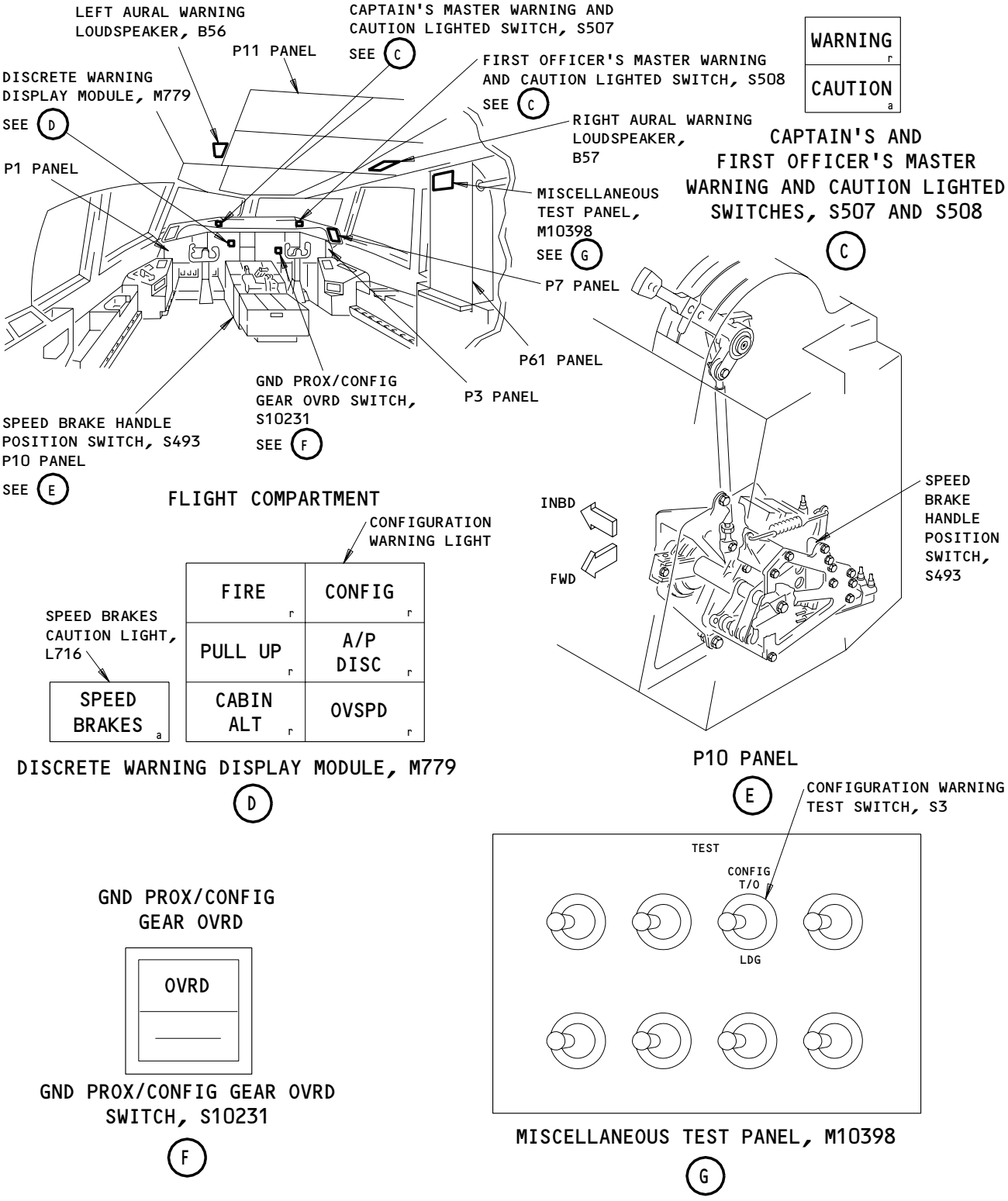


WEU BITE MODULE, M1411

B

1 GUI 009

Warning System – Component Location
Figure 102 (Sheet 1)



Warning System - Component Location
Figure 102 (Sheet 2)

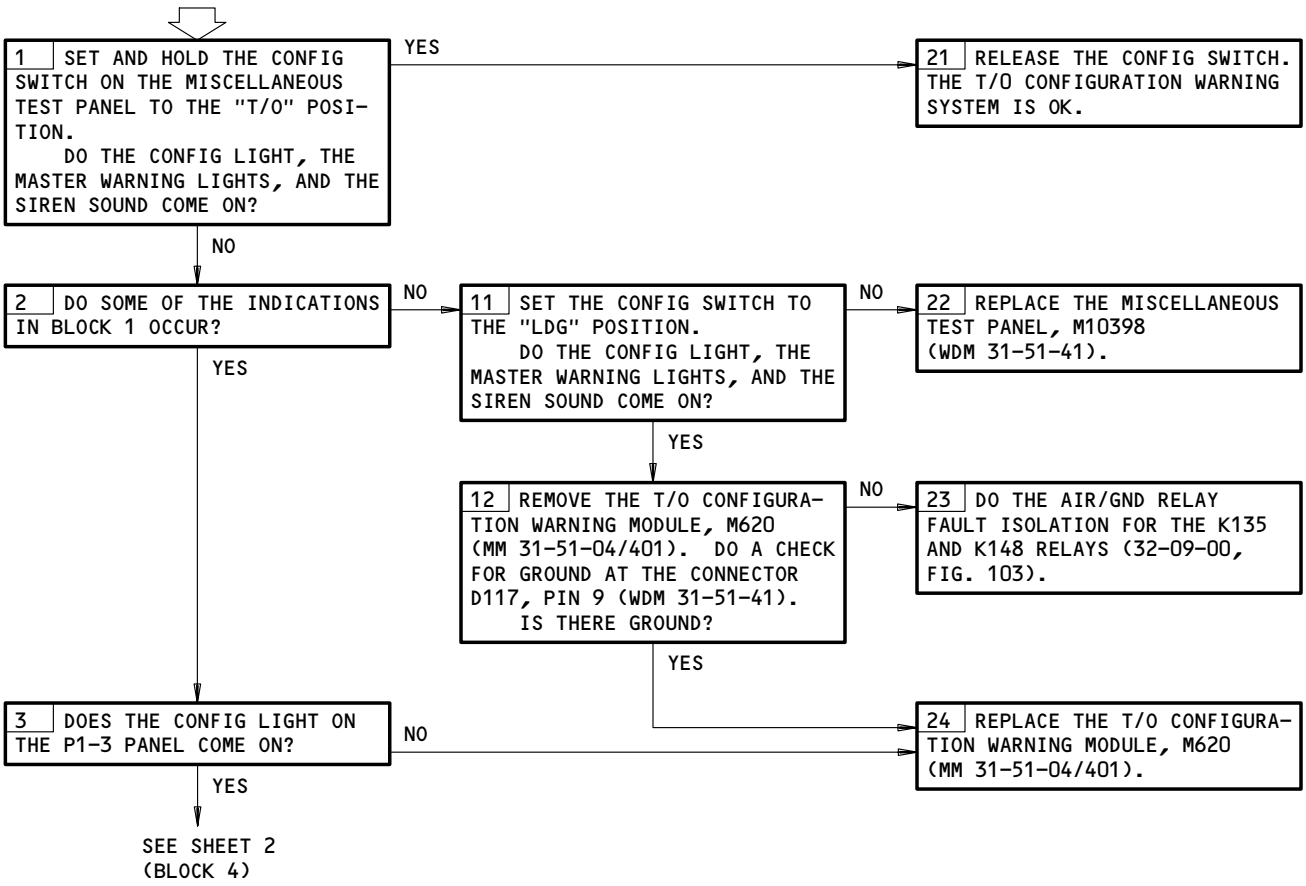
PREREQUISITES

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

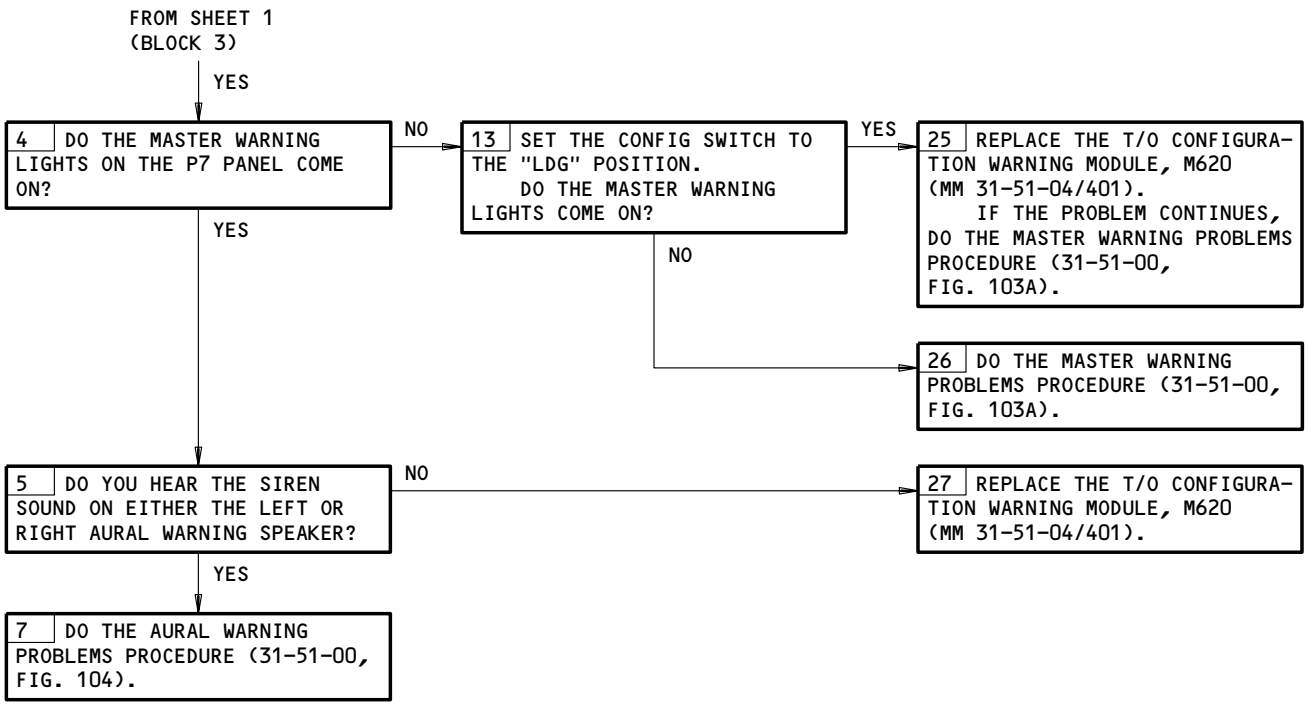
MAKE SURE THESE CIRCUIT BREAKERS ARE CLOSED:
11A32,11A33,11B16,11B18,11H35,11J33

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

T/O CONFIGURATION WARNING PROBLEMS



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



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

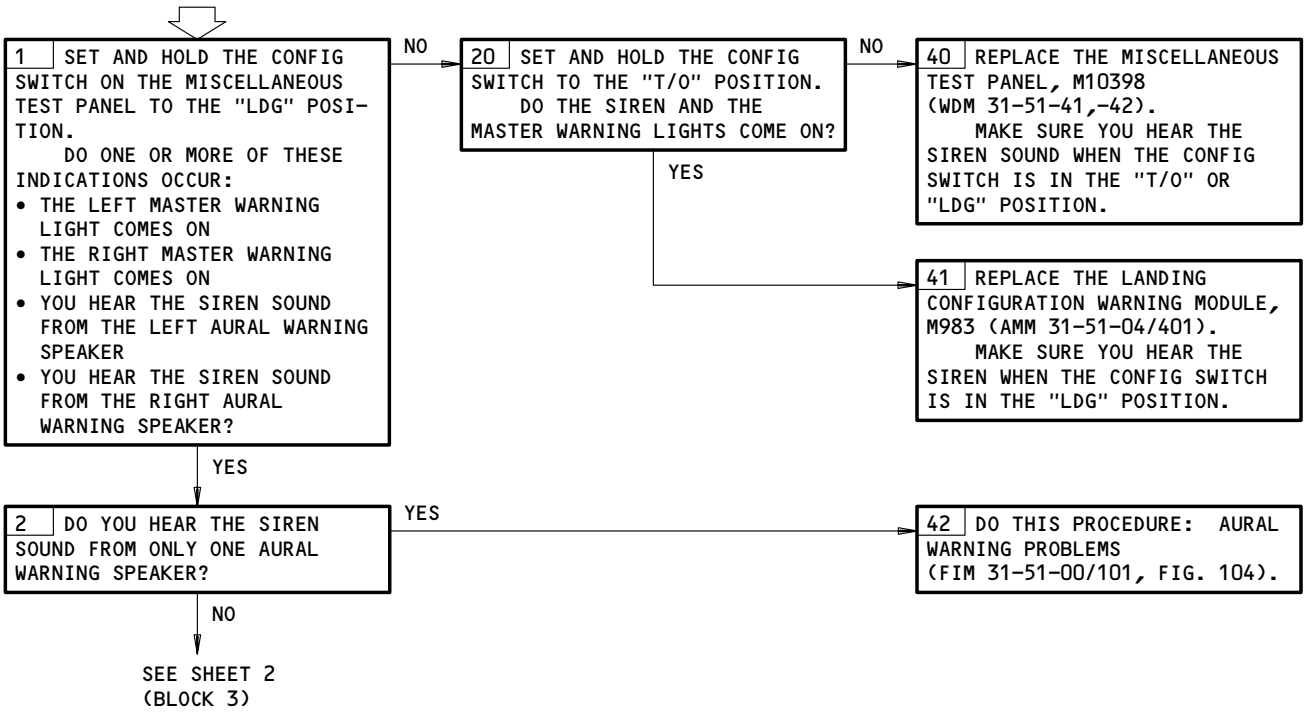
MASTER WARNING PROBLEMS

PREREQUISITES

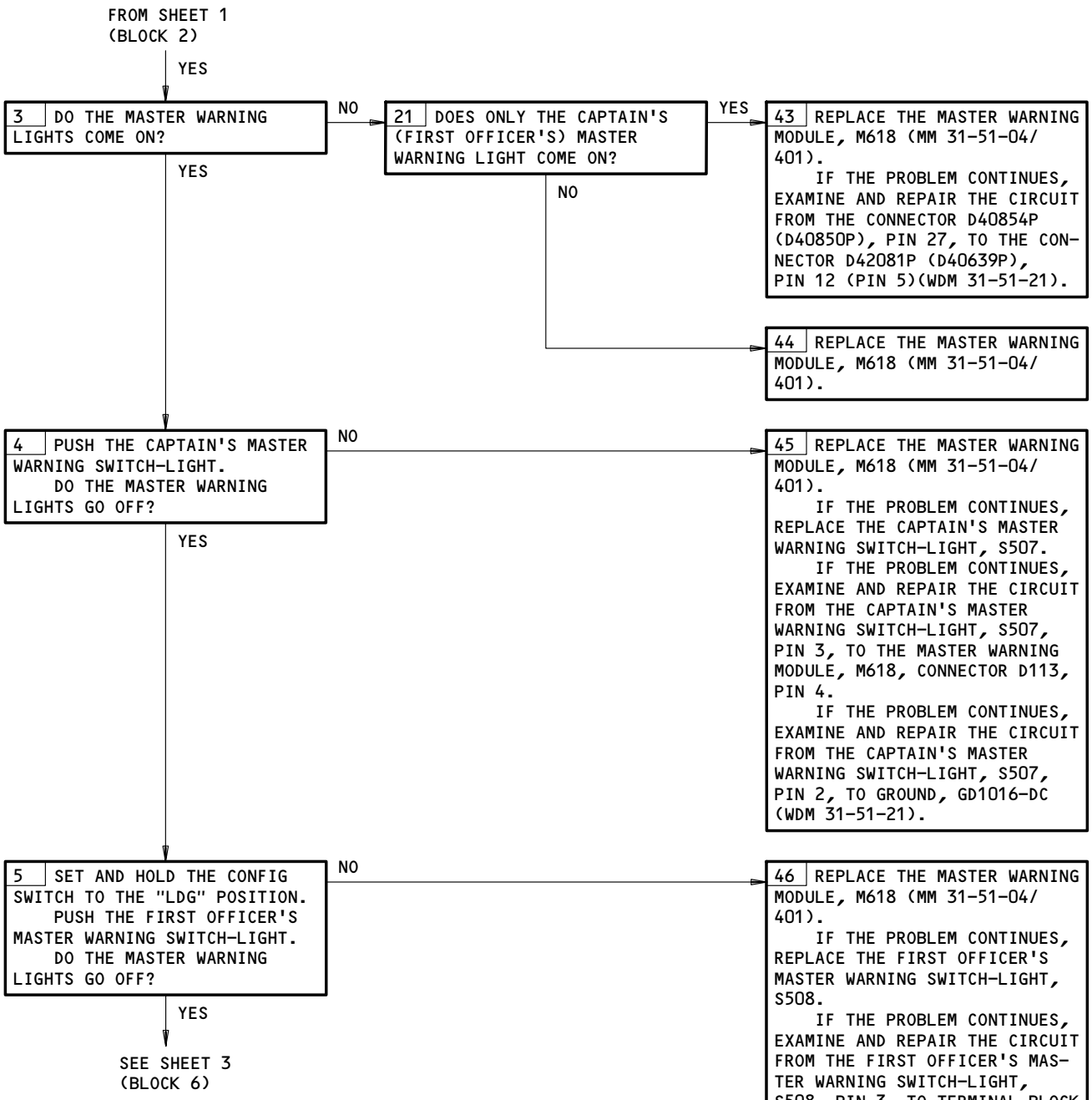
MAKE SURE THESE SYSTEMS WILL OPERATE:
MASTER DIM AND TEST (AMM 33-16-00/501)
RADIO ALTIMETER (AMM 34-33-00/501)

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

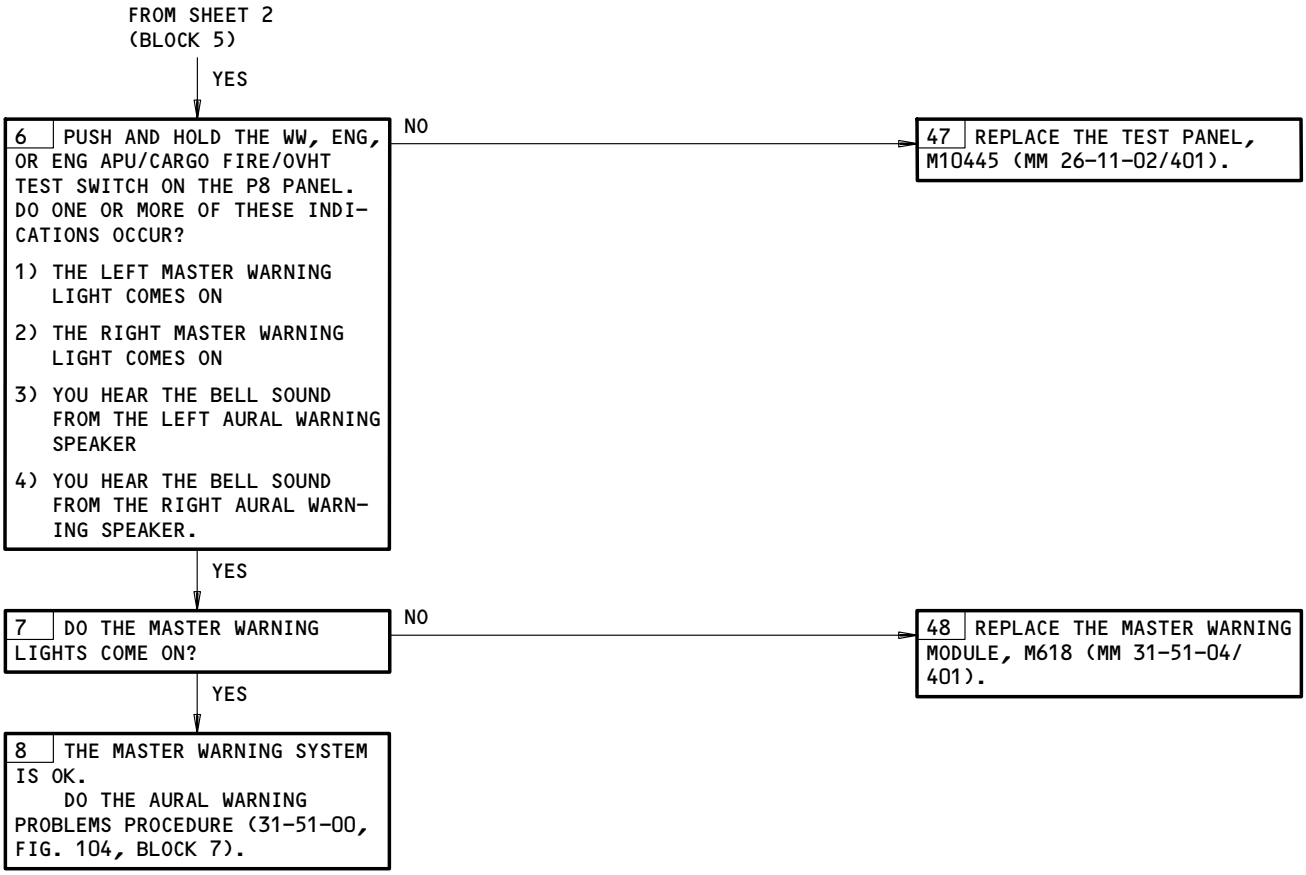
MAKE SURE THE AIRPLANE IS IN THIS CONFIGURATION:
ELECTRICAL POWER IS ON (AMM 24-22-00/201)
THE PARKING BRAKE IS SET TO THE ON POSITION



Master Warning Problems
Figure 103A (Sheet 1)



Master Warning Problems
Figure 103A (Sheet 2)



Master Warning Problems
Figure 103A (Sheet 3)

AURAL WARNING PROBLEMS

PREREQUISITES

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

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

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

1 SET AND HOLD THE CONFIG SWITCH ON THE MISCELLANEOUS TEST PANEL TO THE "LDG" POSITION. DO ONE OR MORE OF THESE INDICATIONS OCCUR?

1) THE LEFT MASTER WARNING LIGHT COMES ON
2) THE RIGHT MASTER WARNING LIGHT COMES ON
3) YOU HEAR THE SIREN SOUND FROM THE LEFT AURAL WARNING SPEAKER
4) YOU HEAR THE SIREN SOUND FROM THE RIGHT AURAL WARNING SPEAKER.

NO → 20 SET AND HOLD THE CONFIG SWITCH TO THE "T/O" POSITION. DO THE SIREN SOUND AND THE MASTER WARNING LIGHTS COME ON?

NO → 40 REPLACE THE MISCELLANEOUS TEST PANEL, M10398 (WDM 31-51-41,-42). MAKE SURE YOU HEAR THE SIREN SOUND WHEN THE CONFIG SWITCH IS IN THE "T/O" OR "LDG" POSITION.

YES → 41 REPLACE THE LANDING CONFIGURATION WARNING MODULE, M893 (MM 31-51-04/401). MAKE SURE YOU HEAR THE SIREN SOUND WHEN THE CONFIG SWITCH IS IN THE "LDG" POSITION.

YES → 2 DO ALL THE BLOCK 1 INDICATIONS OCCUR?

NO → 21 DO THE MASTER WARNING LIGHTS COME ON?

NO → 42 DO THE MASTER WARNING PROBLEMS PROCEDURE (31-51-00, FIG. 103A, BLOCK 1).

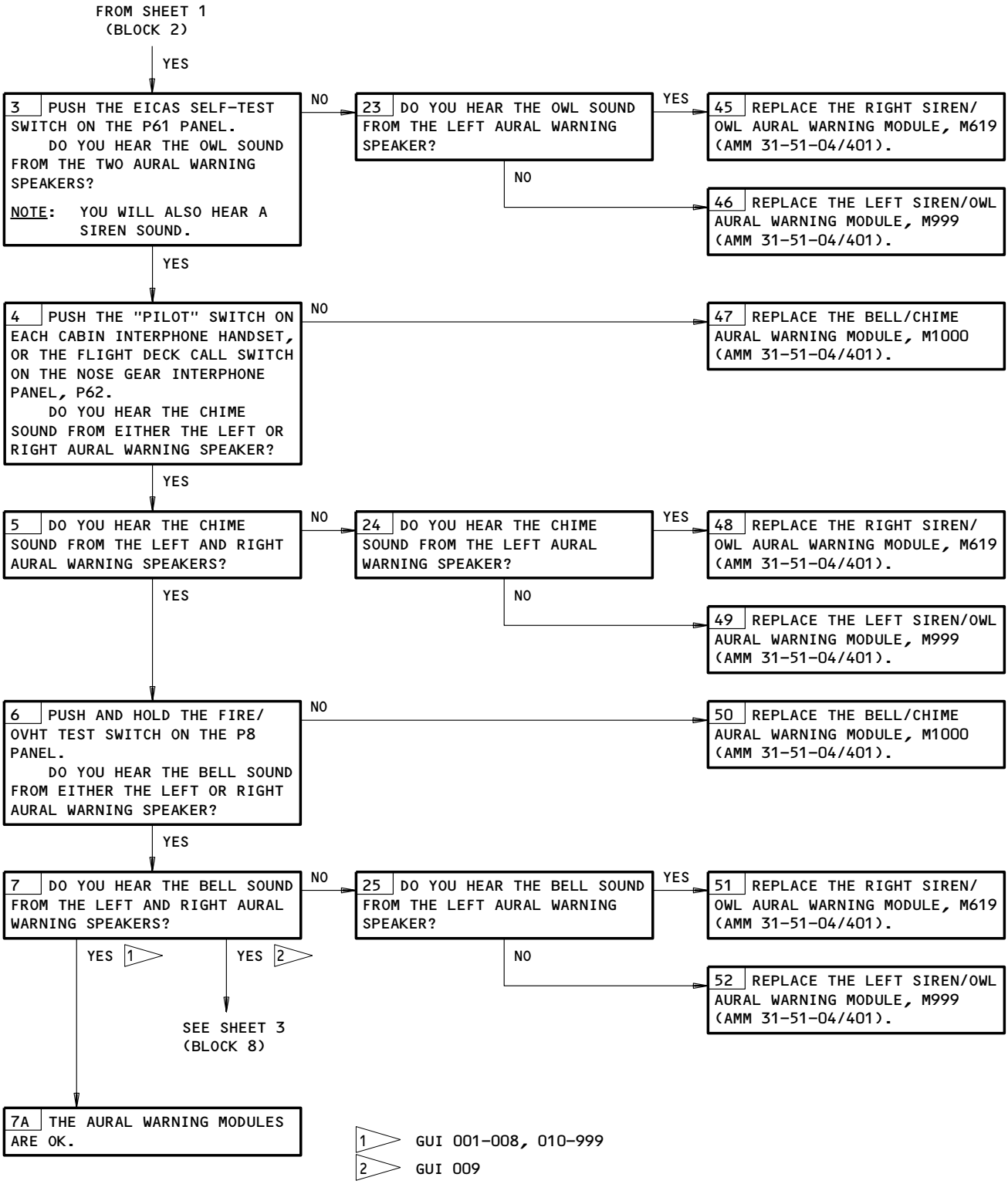
YES → SEE SHEET 2 (BLOCK 3)

YES → 22 DO YOU HEAR THE SIREN SOUND ONLY FROM THE LEFT AURAL WARNING SPEAKER?

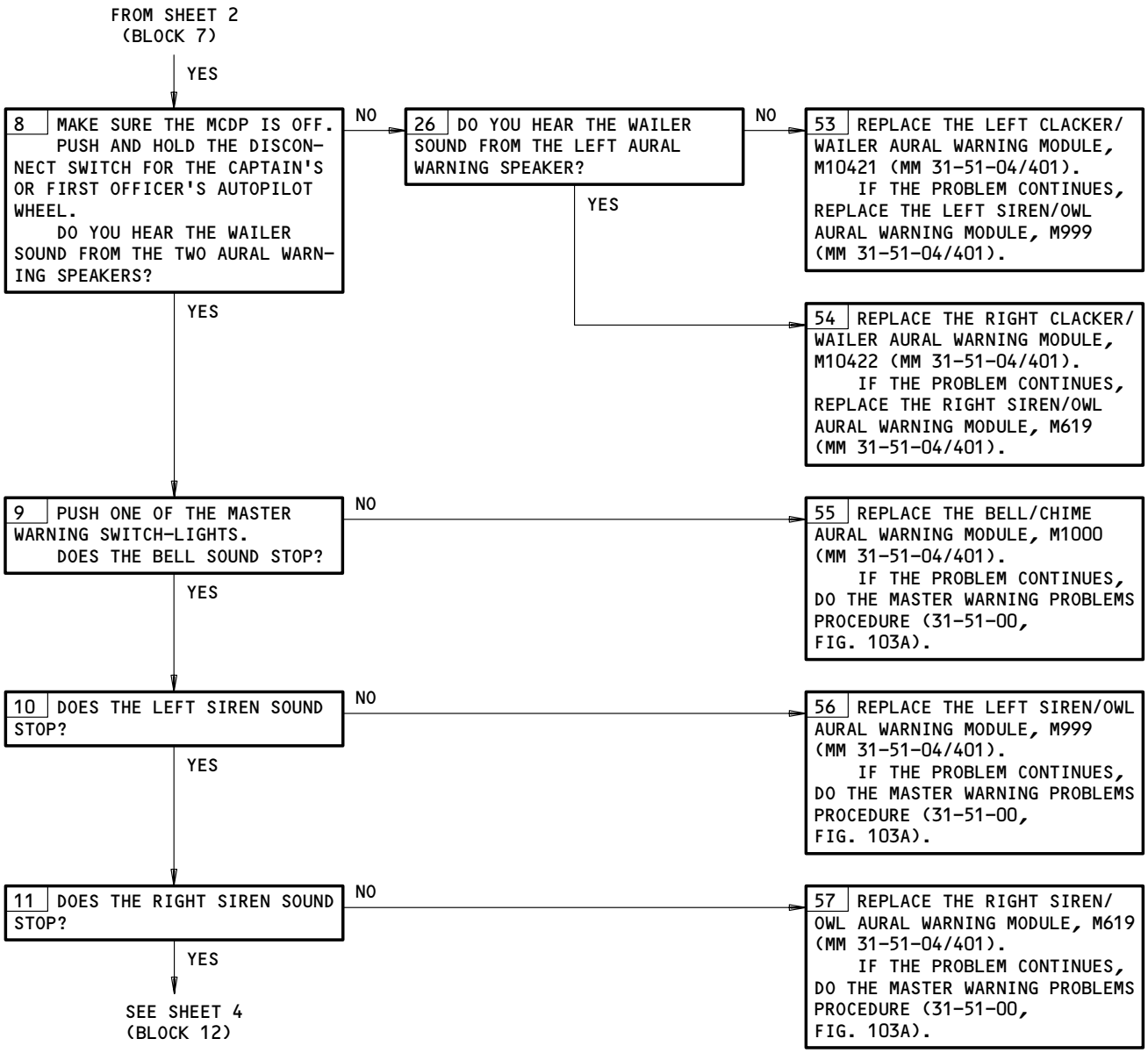
NO → 43 REPLACE THE LEFT SIREN/OWL AURAL WARNING MODULE, M999 (MM 31-51-04/401). IF THE PROBLEM CONTINUES, REPLACE THE LEFT AURAL WARNING SPEAKER, B56 (WDM 31-51-32).

YES → 44 REPLACE THE RIGHT SIREN/OWL AURAL WARNING MODULE, M619 (MM 31-51-04/401). IF THE PROBLEM CONTINUES, REPLACE THE RIGHT AURAL WARNING SPEAKER, B57 (WDM 31-51-32).

Aural Warning Problems
Figure 104 (Sheet 1)

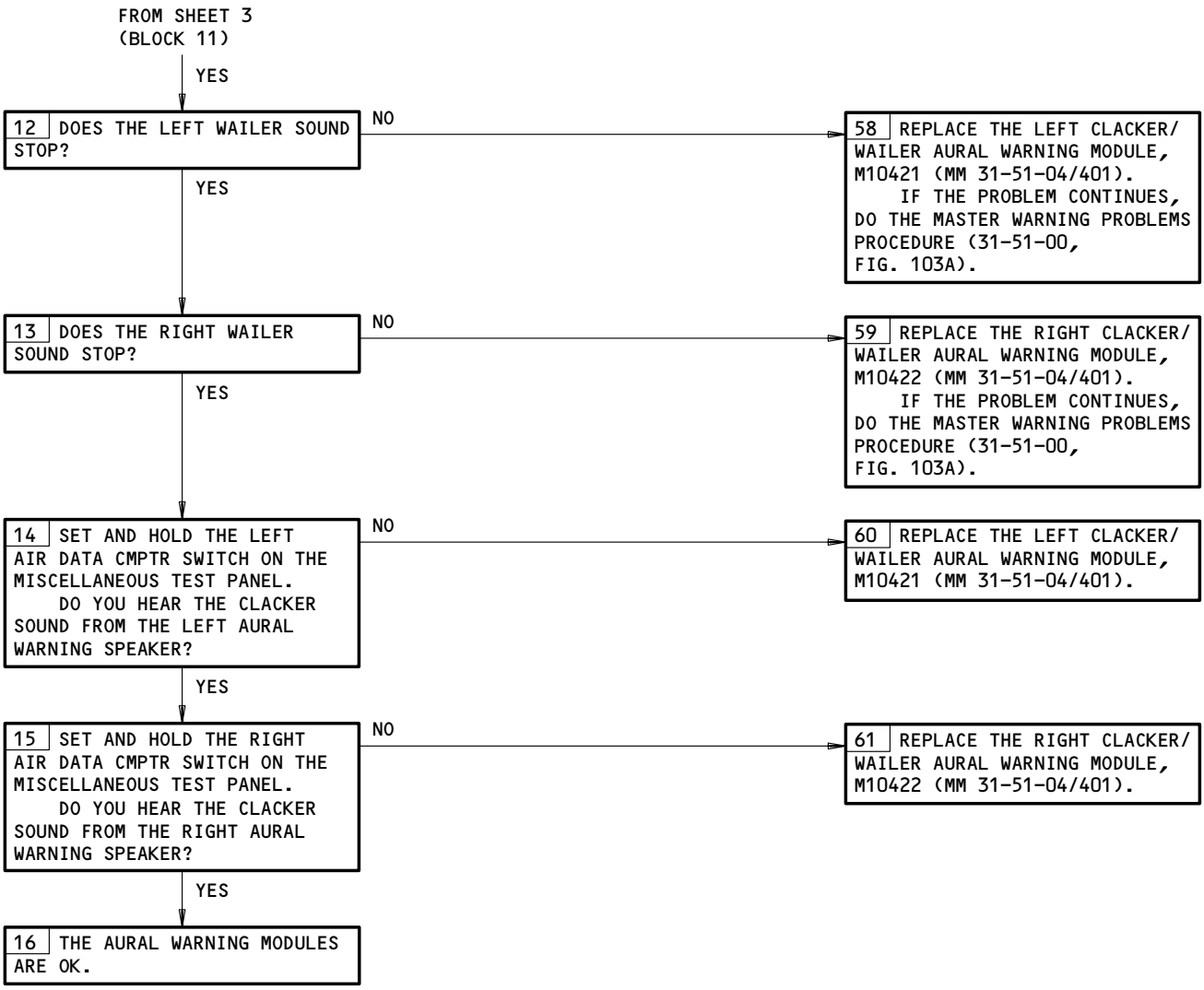


Aural Warning Problems
Figure 104 (Sheet 2)



Aural Warning Problems
Figure 104 (Sheet 3)

303291



Aural Warning Problems
Figure 104 (Sheet 4)

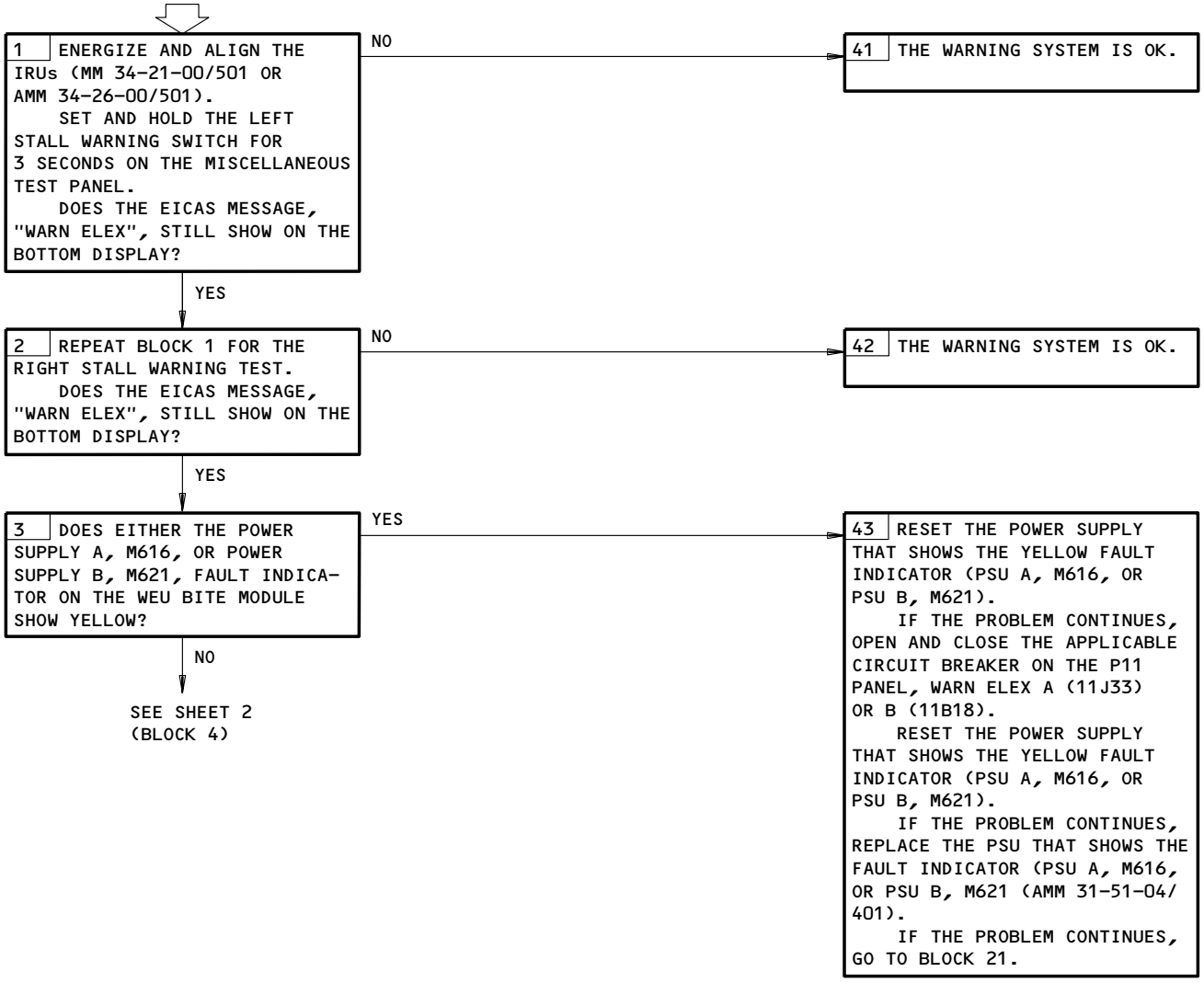
EICAS MESSAGE "WARN ELEX" DISPLAYED

PREREQUISITES

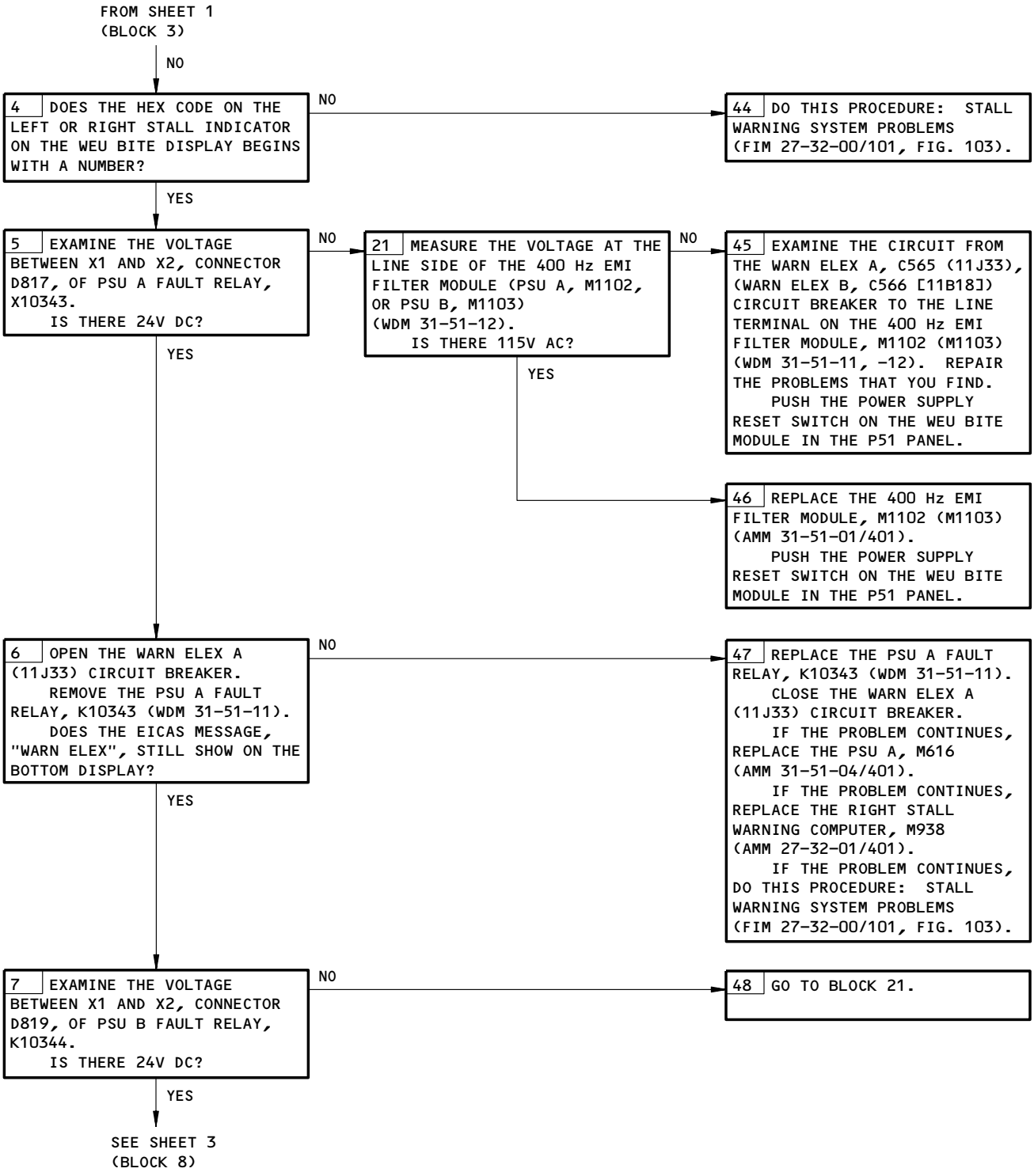
MAKE SURE THESE SYSTEMS WILL OPERATE:
- STALL WARNING SYSTEM (AMM 27-32-00/501)
- EICAS (AMM 31-41-00/201)
- AIR/GROUND SYSTEM (AMM 32-09-02/201)
- AIR DATA COMPUTER SYSTEM (AMM 34-12-00/501)
- INERTIAL REFERENCE SYSTEM (AMM 34-21-00/501 OR AIR DATA INERTIAL REFERENCE SYSTEM (AMM 34-26-00/501).

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

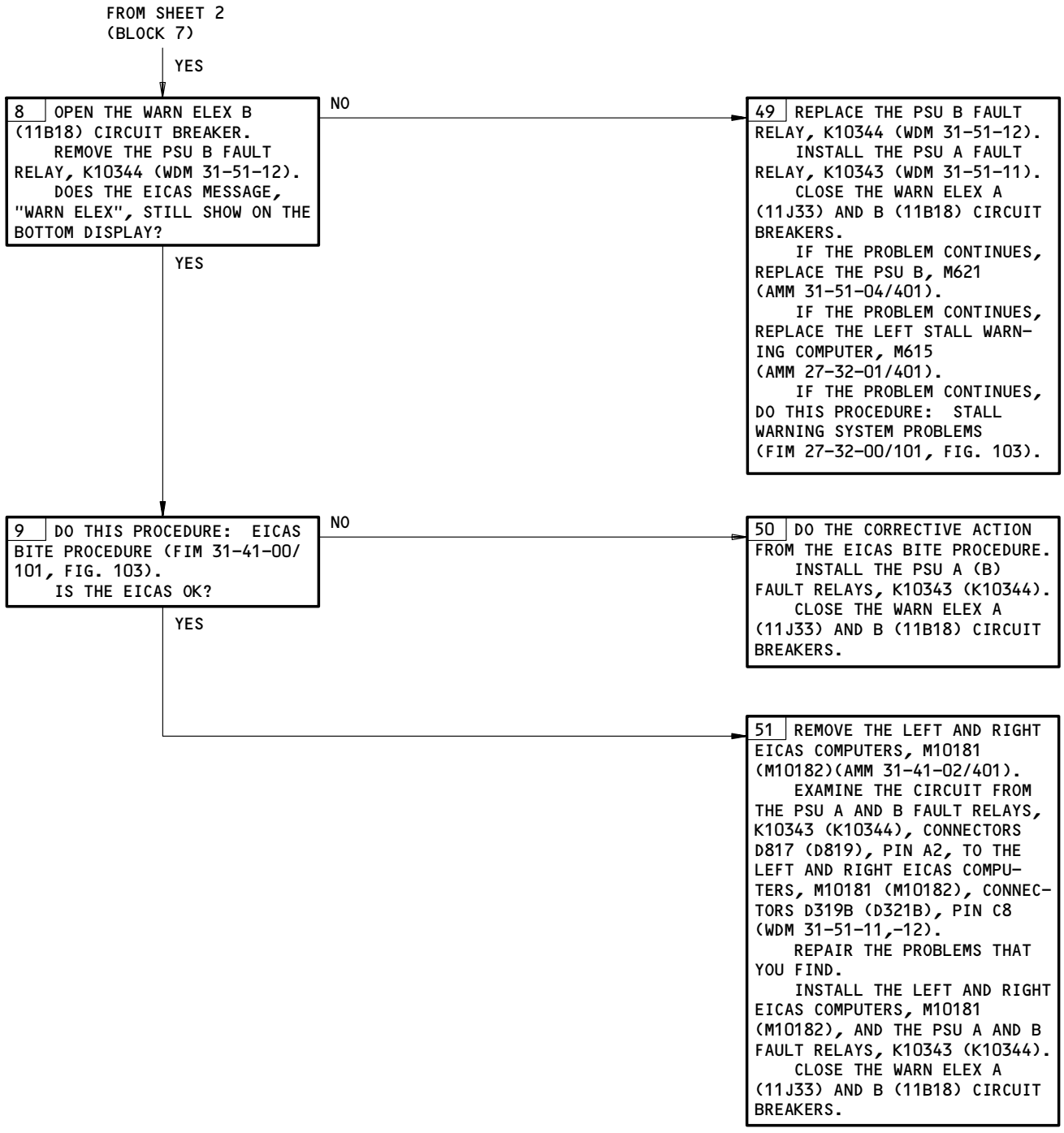
MAKE SURE THE AIRPLANE IS IN THIS CONFIGURATION:
- ELECTRICAL POWER IS ON (AMM 24-22-00/201)



EICAS Message WARN ELEX Displayed
Figure 105 (Sheet 1)



EICAS Message WARN ELEX Displayed
Figure 105 (Sheet 2)



EICAS Message WARN ELEX Displayed
Figure 105 (Sheet 3)

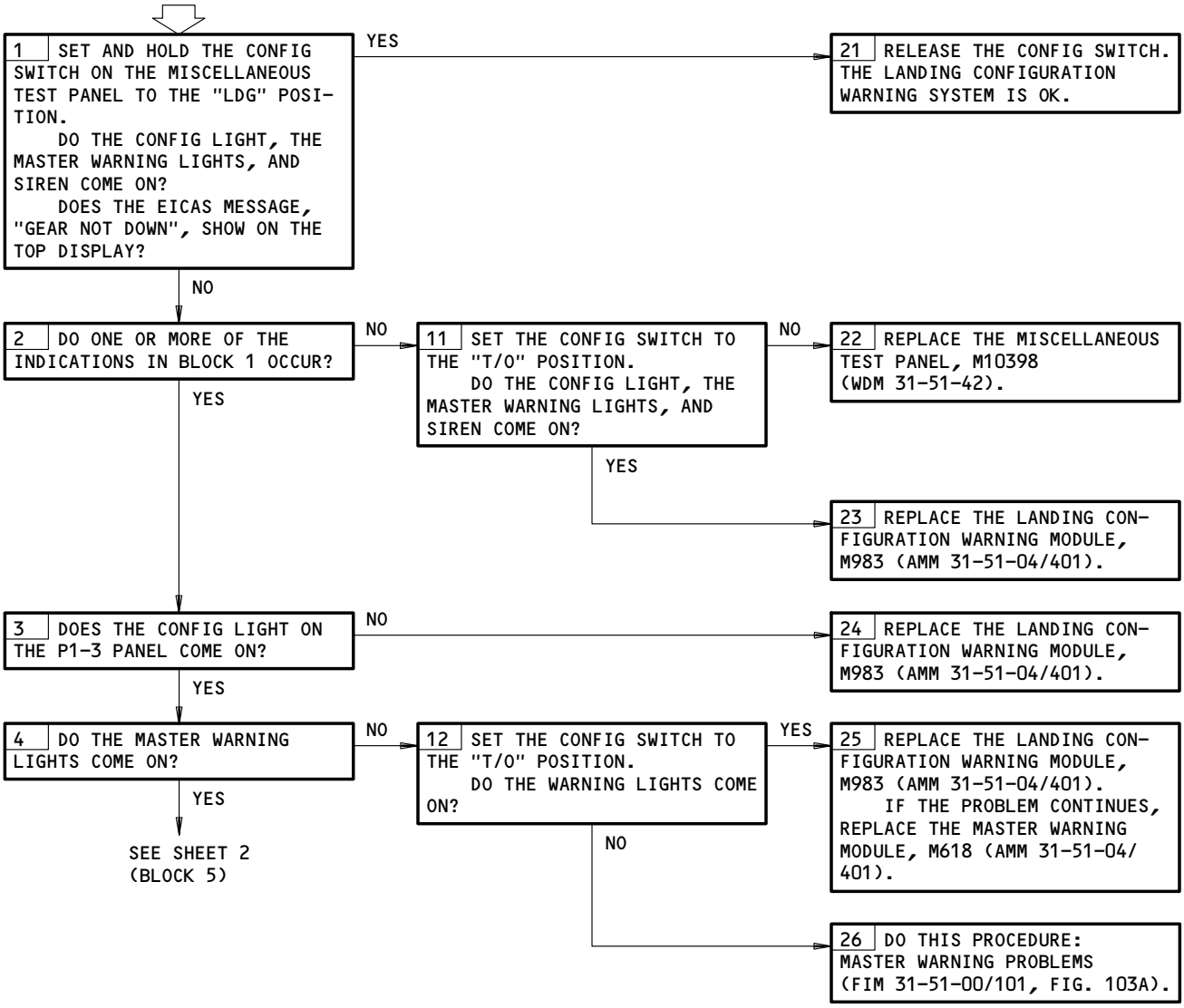
PREREQUISITES

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

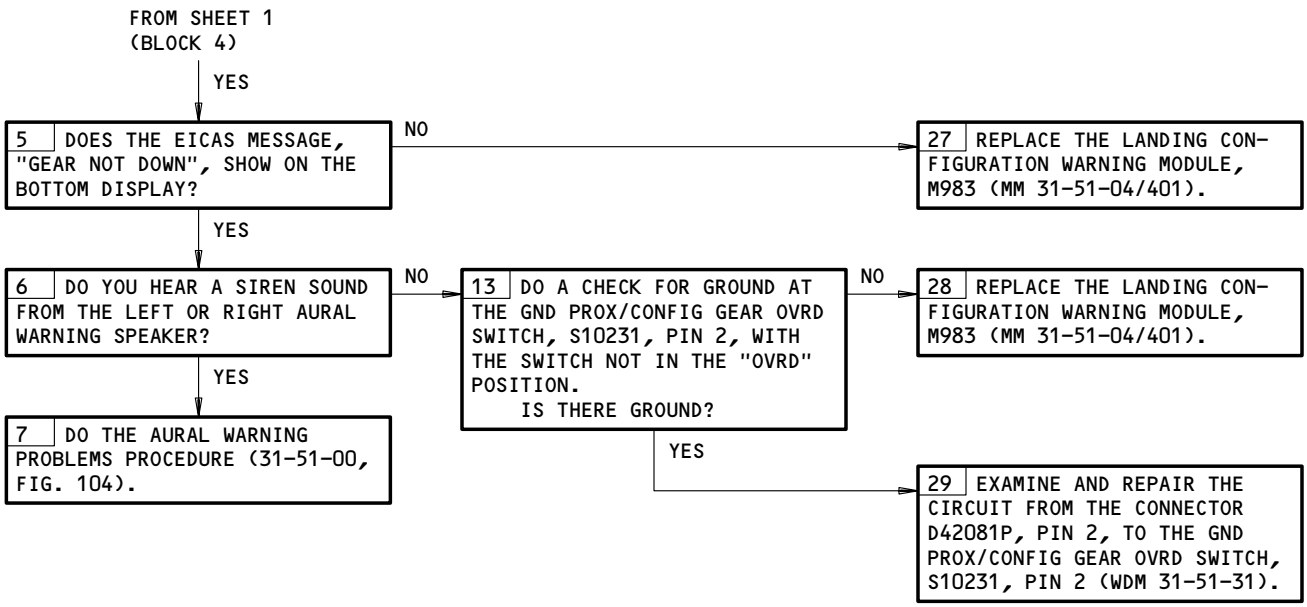
MAKE SURE THESE CIRCUIT BREAKERS ARE CLOSED:
11A33,11A34,11A35,11B16,11B18,11C14,11H35,11J33,
11P29,11S23

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

LANDING CONFIGURATION WARNING PROBLEMS



Landing Configuration Warning Problems
Figure 106 (Sheet 1)



Landing Configuration Warning Problems
Figure 106 (Sheet 2)

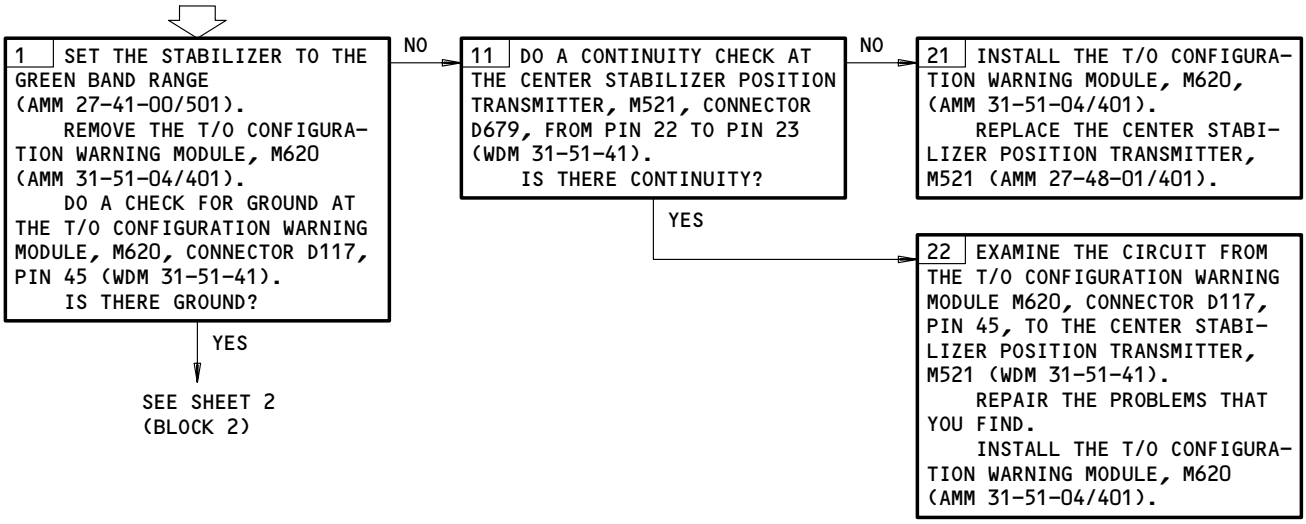
TAKEOFF WARNING SYSTEM ACTIVATED WITH AIRPLANE IN PROPER TAKEOFF CONFIGURATION. EICAS MSG "STABILIZER" DISPLAYED.

PREREQUISITES

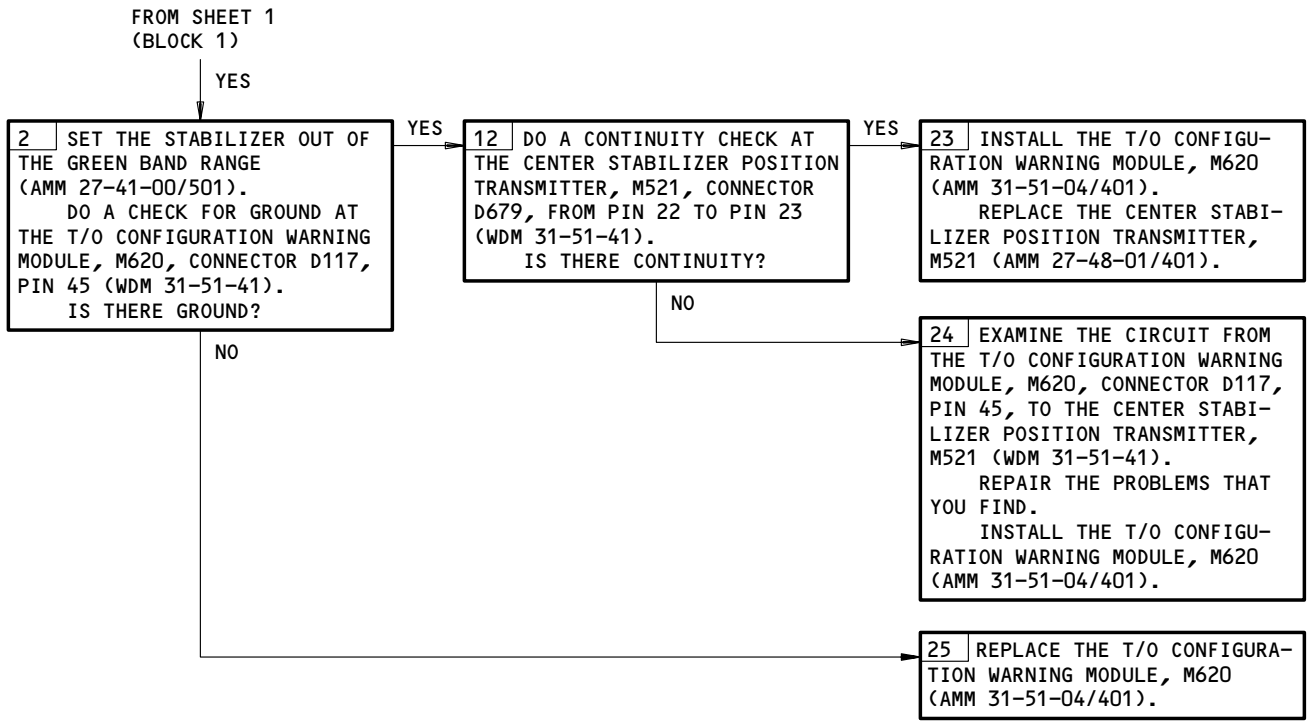
MAKE SURE THIS CIRCUIT BREAKER IS CLOSED:
11C14

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

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



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



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

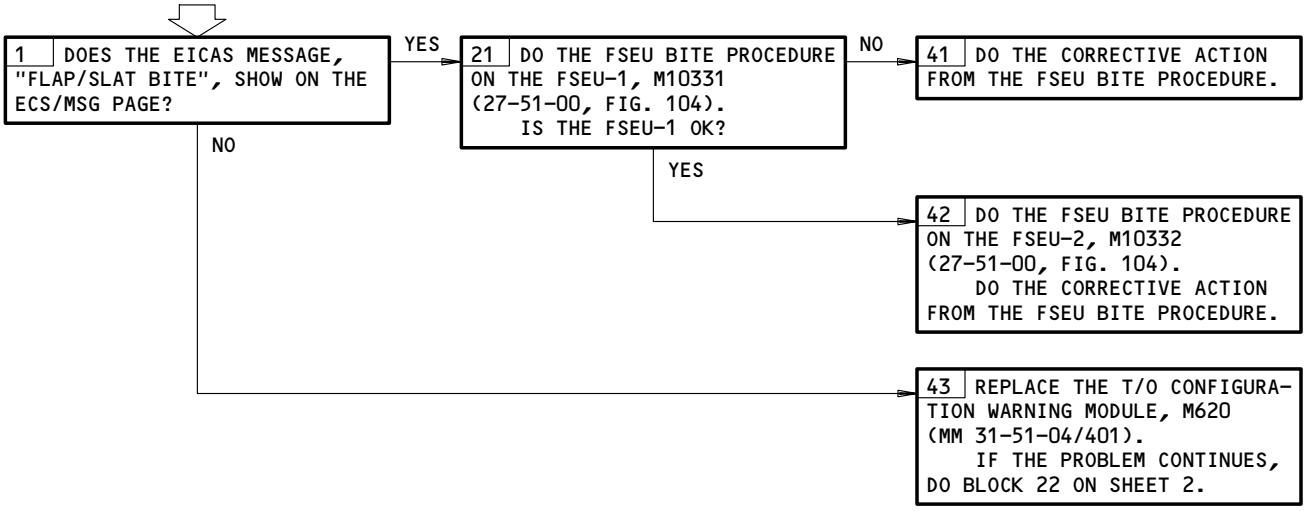
TAKEOFF WARNING SYS ACTIVATED WITH AIRPLANE IN PROPER TAKEOFF CONFIGURA-TION. EICAS MSG "FLAPS" DISPLAYED

PREREQUISITES

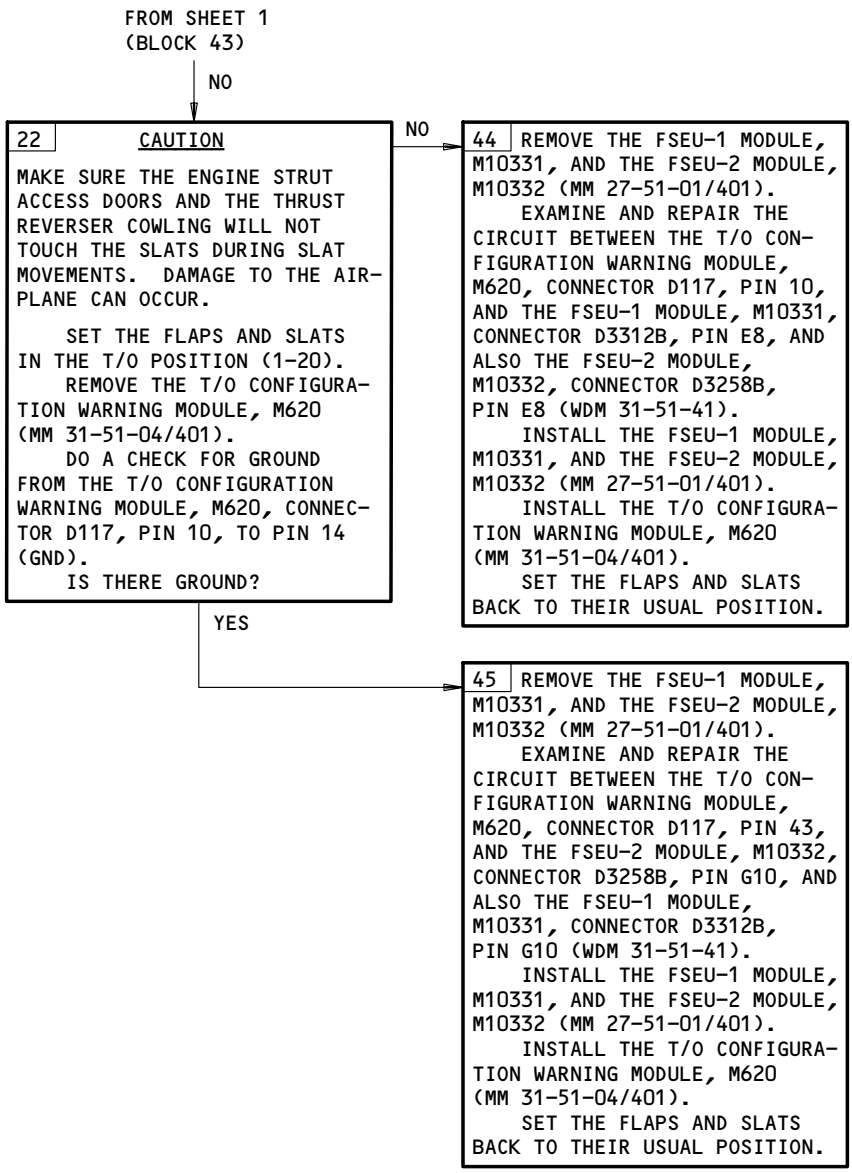
MAKE SURE THESE SYSTEMS WILL OPERATE:
TRAILING EDGE FLAP SYSTEM (MM 27-51-00/501)
EICAS (MM 31-41-00/201)

MAKE SURE THESE CIRCUIT BREAKERS ARE CLOSED:
11B16,11B18,11H35,11J33,11S15

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



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



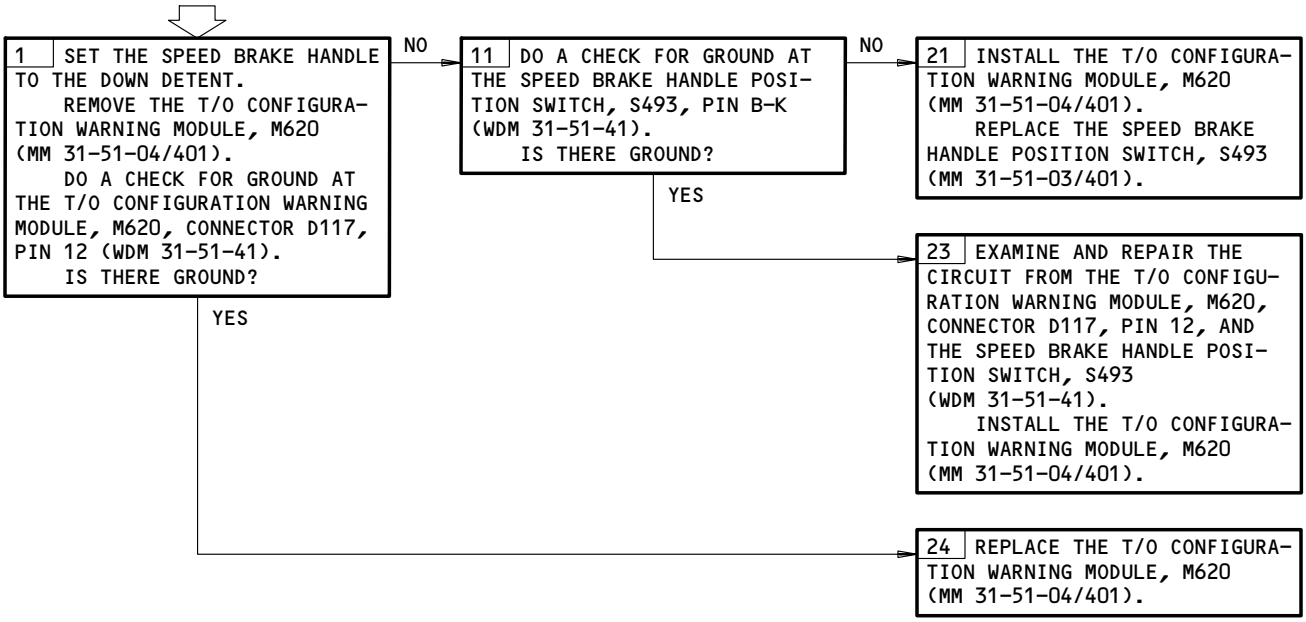
Takeoff Warning System Activated with Airplane in Proper Takeoff Configuration. EICAS Msg FLAPS Displayed
Figure 108 (Sheet 2)

TAKEOFF WARNING SYS ACTIVATED WITH AIRPLANE IN PROPER TAKEOFF CONFIGURATION. EICAS MSG "SPOILER" DISPLAYED.

PREREQUISITES

NONE

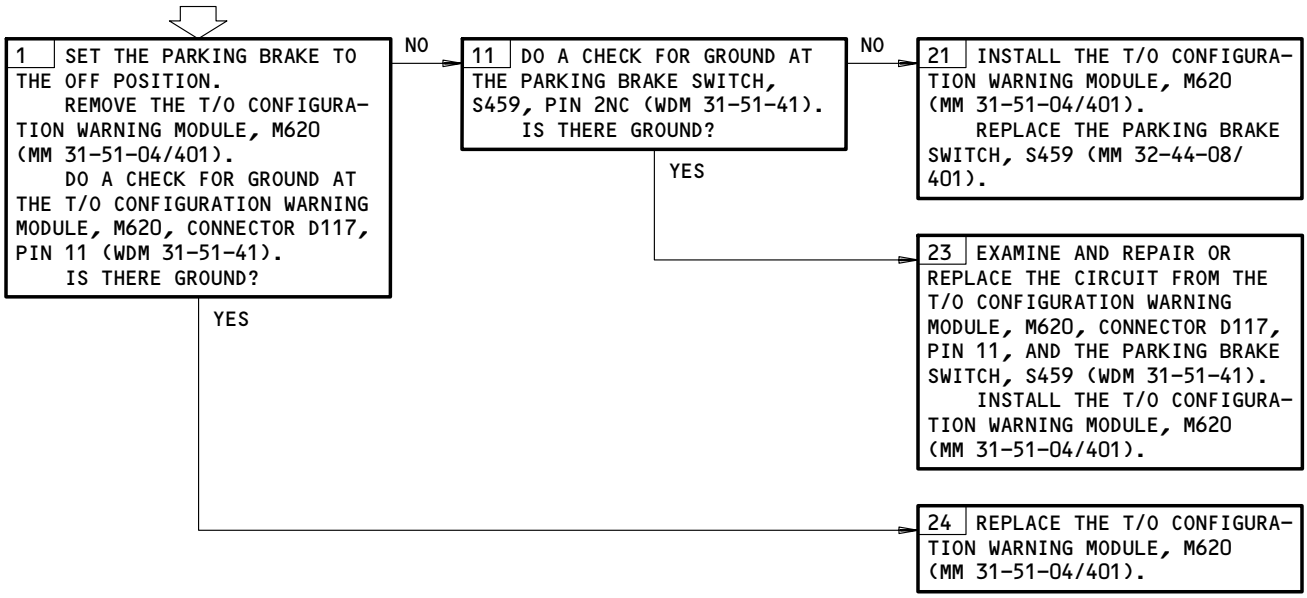
WARNING: KEEP ALL PERSONS AND EQUIPMENT AWAY FROM THE SPOILERS. IF YOU DO NOT, INJURY TO PERSONS OR DAMAGE TO EQUIPMENT CAN OCCUR.



Takeoff Warning System Activated with Airplane in Proper Takeoff Configuration. EICAS Msg SPOILERS Displayed.
Figure 109

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

PREREQUISITES
NONE



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

DECISION HEIGHT AURAL WARNING PROBLEMS

PREREQUISITES

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

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

1 DO THE DECISION HEIGHT MODULE TEST (MM 31-51-00/501). DID YOU HEAR THE DECISION HEIGHT AURAL SOUND?

NO → 20 REPLACE THE DECISION HEIGHT AURAL WARNING MODULE, M10423 (MM 31-51-04/401).

YES ↓

2 DID YOU HEAR THE DECISION HEIGHT AURAL SOUND FROM THE LEFT AND THE RIGHT AURAL WARNING SPEAKERS?

NO → 10 DID YOU HEAR THE DECISION HEIGHT AURAL SOUND FROM ONLY THE LEFT AURAL WARNING SPEAKER?

NO → 21 REPLACE THE LEFT SIREN/OWL AURAL WARNING MODULE, M999 (MM 31-51-04/401).
IF THE PROBLEM CONTINUES, REMOVE THE LEFT SIREN/OWL AURAL WARNING MODULE, M999, AND THE DECISION HEIGHT AURAL WARNING MODULE, M10423.
EXAMINE AND REPAIR THE CIRCUIT BETWEEN THE LEFT SIREN/OWL AURAL WARNING MODULE, M999, CONNECTOR D901, PIN 20, AND THE DECISION HEIGHT AURAL WARNING MODULE, M10423, CONNECTOR D907, PIN 50 (WDM 31-51-31,-34).
INSTALL THE LEFT SIREN/OWL AURAL WARNING MODULE.
INSTALL THE DECISION HEIGHT AURAL WARNING MODULE.

YES → 22 REPLACE THE RIGHT SIREN/OWL AURAL WARNING MODULE, M619 (MM 31-51-04/401).
IF THE PROBLEM CONTINUES, REMOVE THE RIGHT SIREN/OWL AURAL WARNING MODULE, M619, AND THE DECISION HEIGHT AURAL WARNING MODULE, M10423.
EXAMINE AND REPAIR THE CIRCUIT BETWEEN THE RIGHT SIREN/OWL AURAL WARNING MODULE, M619, CONNECTOR D115, PIN 20, AND THE DECISION HEIGHT AURAL WARNING MODULE, M10423, CONNECTOR D907, PIN 50 (WDM 31-51-32,-34).
INSTALL THE RIGHT SIREN/OWL AURAL WARNING MODULE.
INSTALL THE DECISION HEIGHT AURAL WARNING MODULE.

YES → 3 THE DECISION HEIGHT AURAL WARNING SYSTEM IS OK.

Decision Height Aural Warning Problems
Figure 111