GPA Group plc

PAGE	DATE	CODE
CHAPTER 35 TAB		
OXYGEN		
EFFECTIVE PAGES SEE LAST PAGE OF LIST FOR NUMBER OF PAGES		
35-CONTENTS		
1	SEP 28/99	GUI
2	SEP 28/07	GUI
35-HOW TO USE THE FIM		
1	SEP 20/98	01
2	SEP 20/98	01
3	SEP 28/99	01
4	SEP 20/98	01
5	SEP 20/98	01
6	SEP 20/98	01
35-INDEX		
1	JAN 28/00	03
2	BLANK	
35-EICAS MESSAGES		
1	MAY 28/99	01
2	MAR 20/91	01
3	SEP 28/00	01
4	BLANK	
35-FAULT CODE DIAGRAM		
1	JUN 20/96	01
2	JUN 20/96	01
3	JUN 15/87	02
4	BLANK	
35-FAULT CODE INDEX		
1	SEP 20/08	03
2	SEP 20/08	02
35-BITE INDEX		
1	SEP 28/99	01
2	SEP 28/99	01
3	SEP 28/99	01
4	BLANK	
35-11-00		
101	SEP 20/94	19
102	SEP 20/94	09
103	DEC 20/93	03
104	SEP 20/94	01
105	DEC 20/93	01
106	BLANK	
35-21-00		
101	DEC 20/93	12
102	SEP 20/90	01
103	SEP 28/07	11
104	SEP 28/07	07
105	DEC 20/93	07
106	SEP 28/07	09
107	SEP 28/07	03
108	SEP 28/07	03
109	SEP 28/07	03
110	BLANK	

CHAPTER 35 - OXYGEN

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INDEX	35-INDEX	1	ALL
EICAS MESSAGES	35-EICAS MESSAGES	1	ALL
FAULT CODE DIAGRAMS	35-FAULT CODE DIAGRAM	1	ALL
FAULT CODE INDEX	35-FAULT CODE INDEX	1	ALL
BITE INDEX	35-BITE INDEX	1	ALL
OXYGEN	35-00-00		
CREW	35-10-00		
CREW OXYGEN SYSTEM	35-11-00		
Component Location		101	ALL
Component Index			
Component Location			
Fault Isolation			
EICAS Oxygen Pressure Indication is Abnormal (Fig. 103)		105	

CHAPTER 35 - OXYGEN

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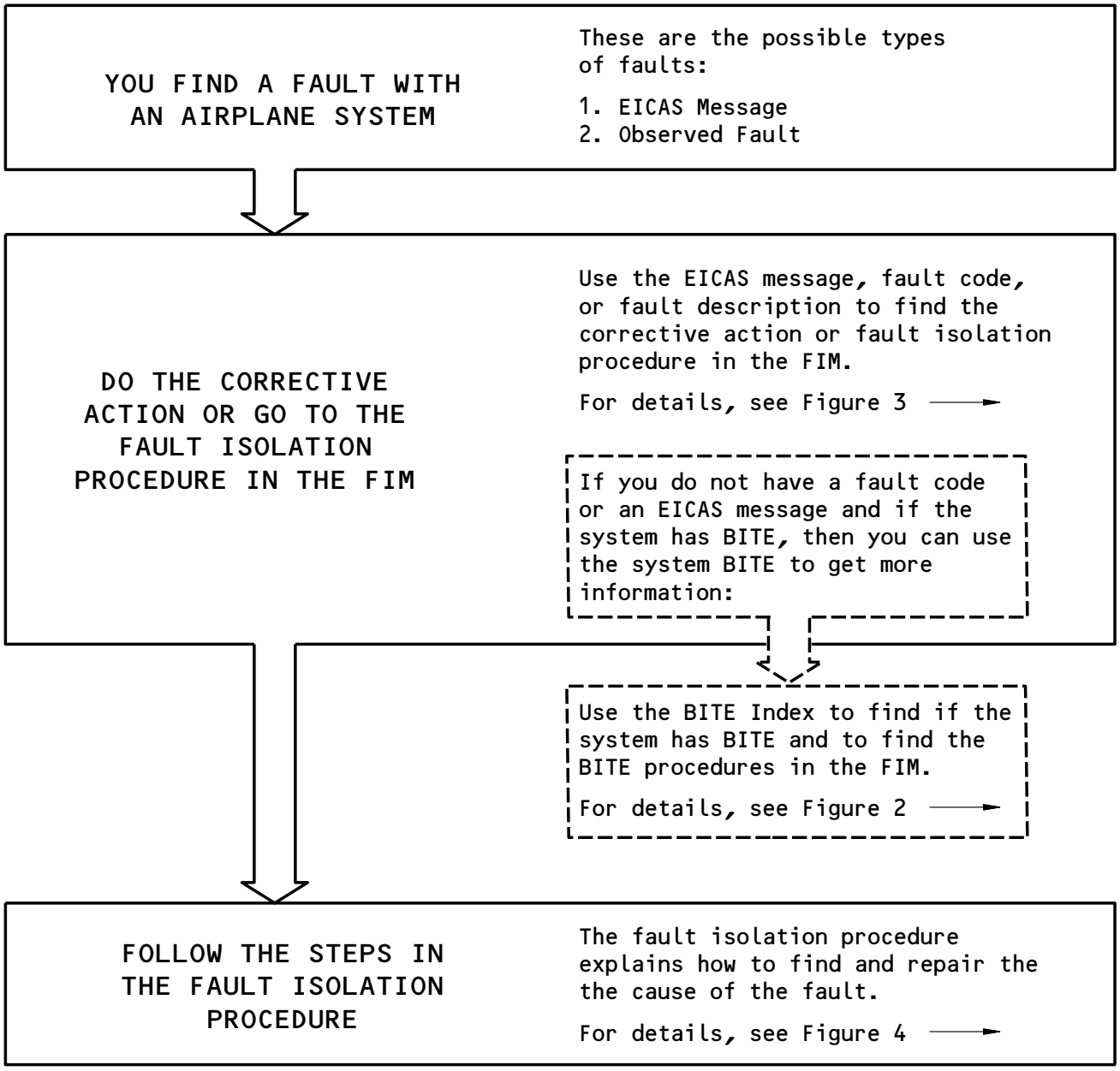
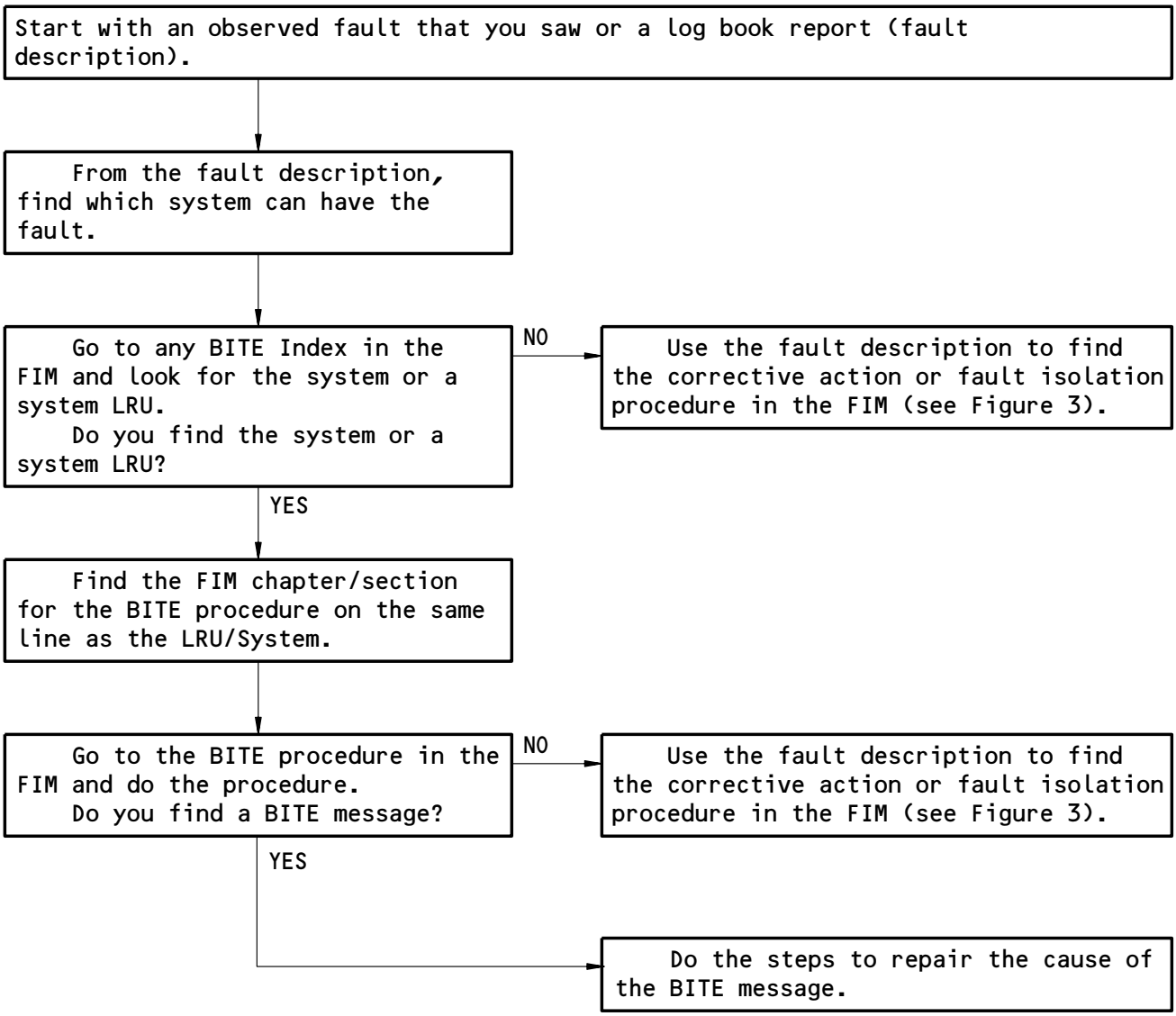
PASSENGER	35-20-00		
PASSENGER OXYGEN SYSTEM	35-21-00		
Component Location		101	ALL
Component Index			
Component Location			
Fault Isolation			
Isolated Passenger Oxygen Mask(s) Deployed (Fig. 103)		105	
Passenger Oxygen Masks Deployed Automatically without Loss of Cabin Pressurization (Fig. 104)		106	
Passenger Oxygen Masks Did Not Drop Automatically (Fig. 105)		108	



Basic Fault Isolation Process
Figure 1



How to Get Fault Information from BITE
Figure 2

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

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

ASSUMED CONDITIONS AT START OF TASK

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

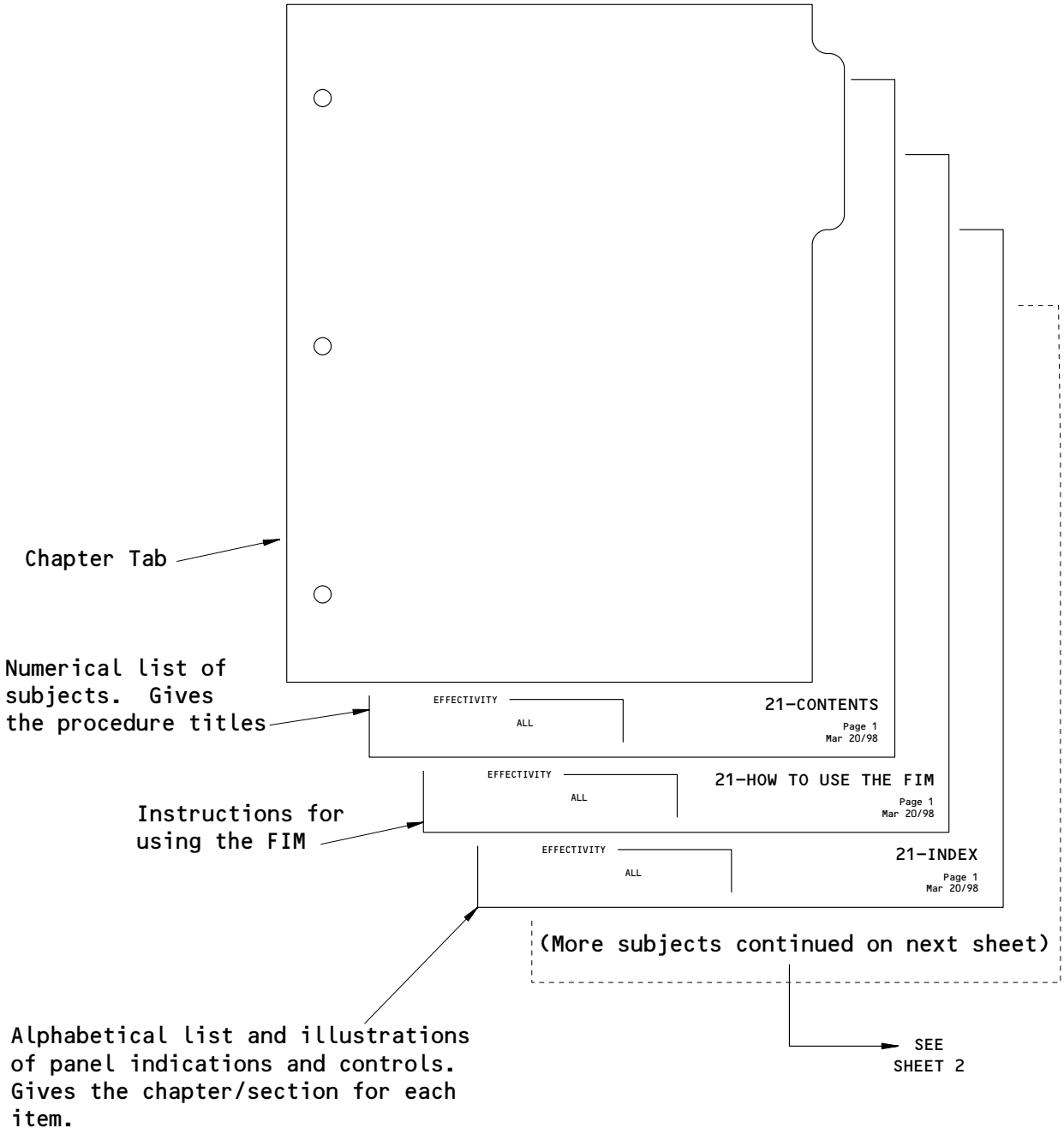
PREREQUISITES

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

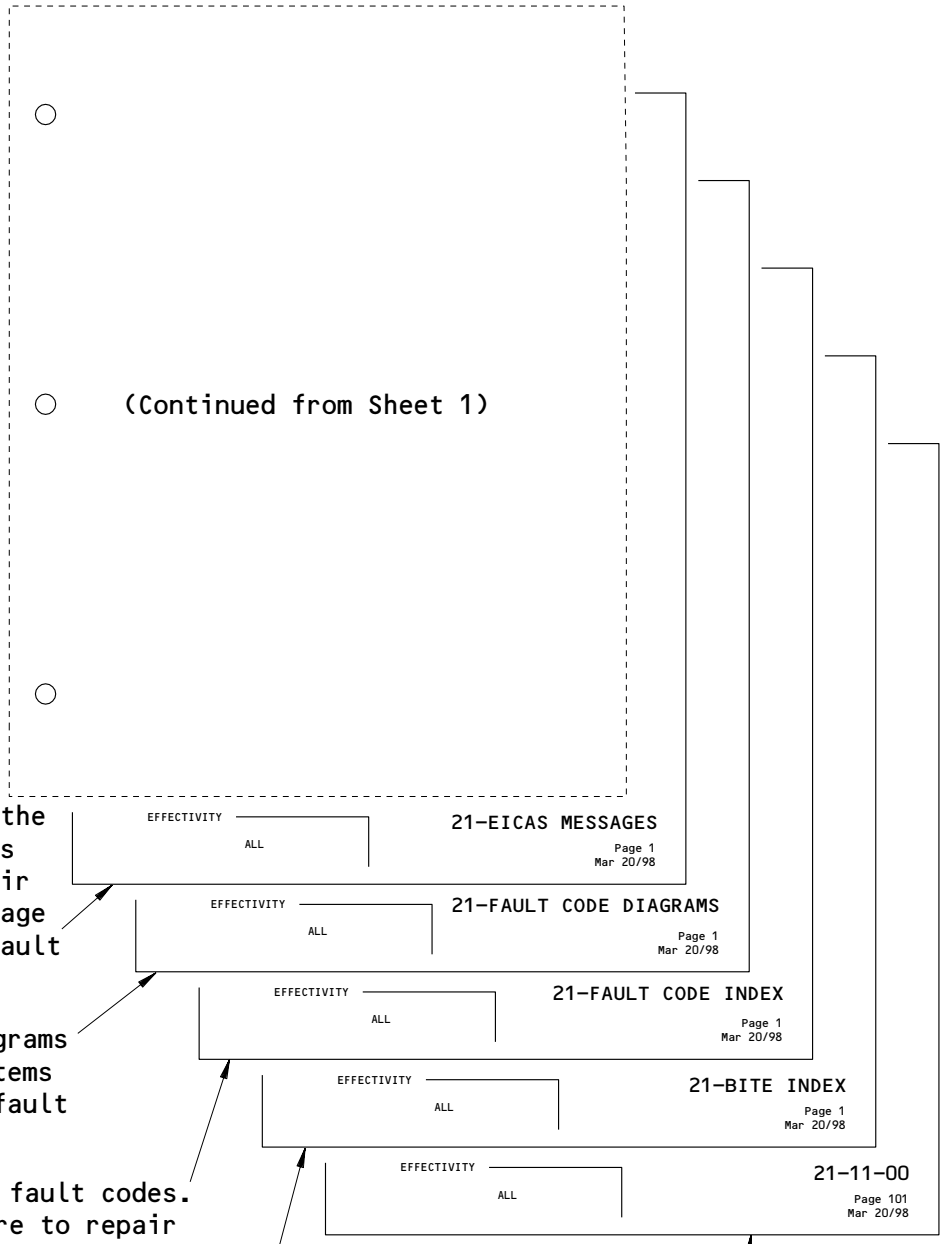
FAULT ISOLATION BLOCKS

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

Do the Fault Isolation Procedure
Figure 4



Subjects in Each FIM Chapter
Figure 5 (Sheet 1)



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

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

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

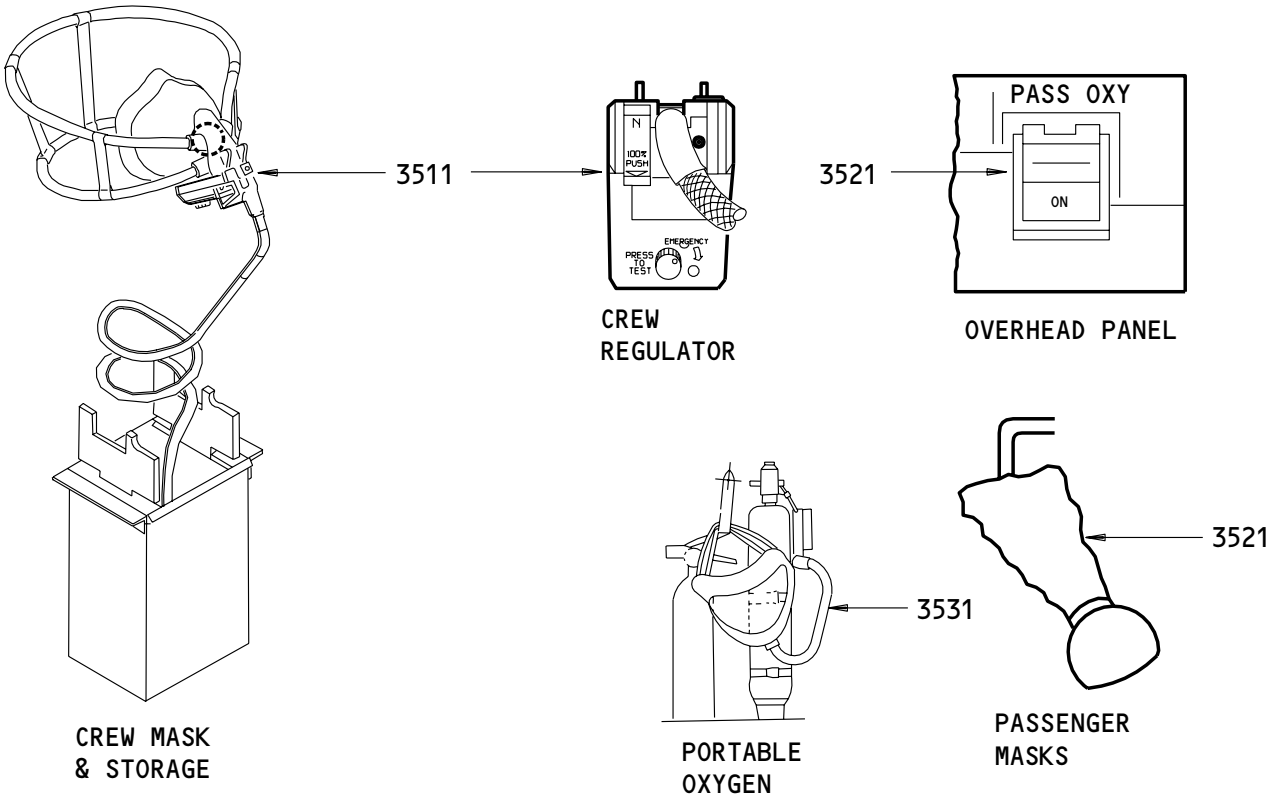
Alphabetical list of all the LRUs/systems that have BITE. Gives the chapter/ section for the BITE procedure.

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

Subjects in Each FIM Chapter
Figure 5 (Sheet 2)

H54416

EICAS MESSAGES	CHAP/SEC
PASS OXYGEN ON	3521



TITLE	CHAP/SEC
CREW OXYGEN MASK	3511
CREW OXYGEN REGULATOR	3511
PASSENGER OXYGEN ON LIGHT	3521
PASSENGER OXYGEN MASKS	3521
PORTABLE OXYGEN	3531

OXYGEN – INDEX

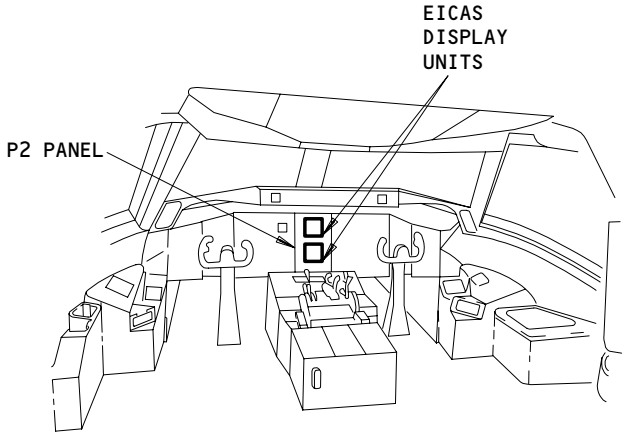
EFFECTIVITY

ALL

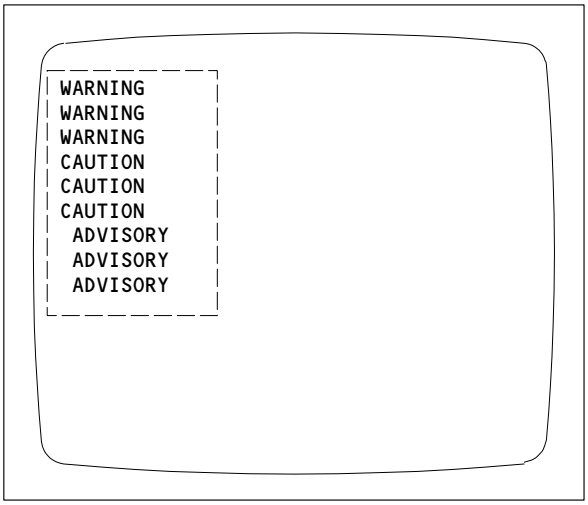
54903

OXYGEN - EICAS MESSAGE LIST

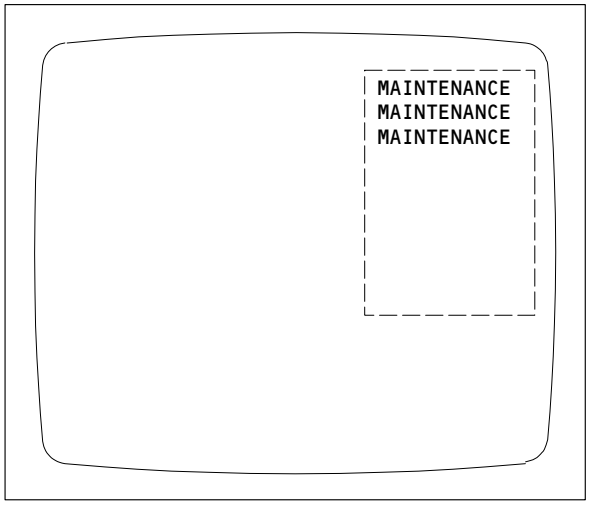
1. General
   A. This procedure shows the EICAS message locations and gives a list of procedures to find the solution for each message.
      (1) EICAS Message Locations (Fig. 1)
         (a) Figure 1 shows the location of the EICAS display units and the area where the messages show on the display units.
         (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



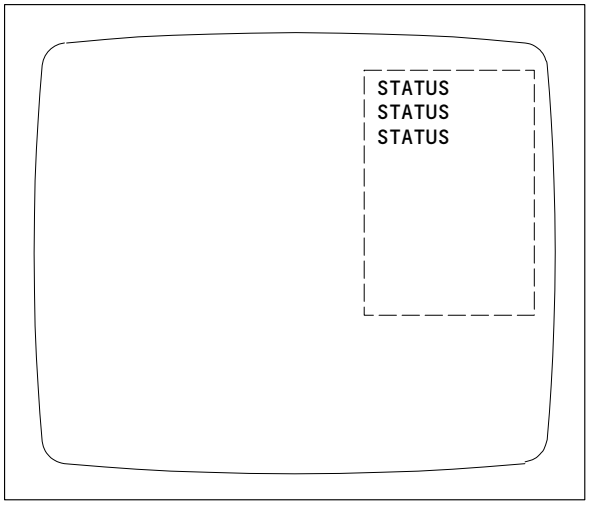
FLIGHT COMPARTMENT



ENGINE PRIMARY PAGE OR COMPACTED PAGE
(TOP DISPLAY UNIT)



ECS/MSG PAGE
(BOTTOM DISPLAY UNIT)

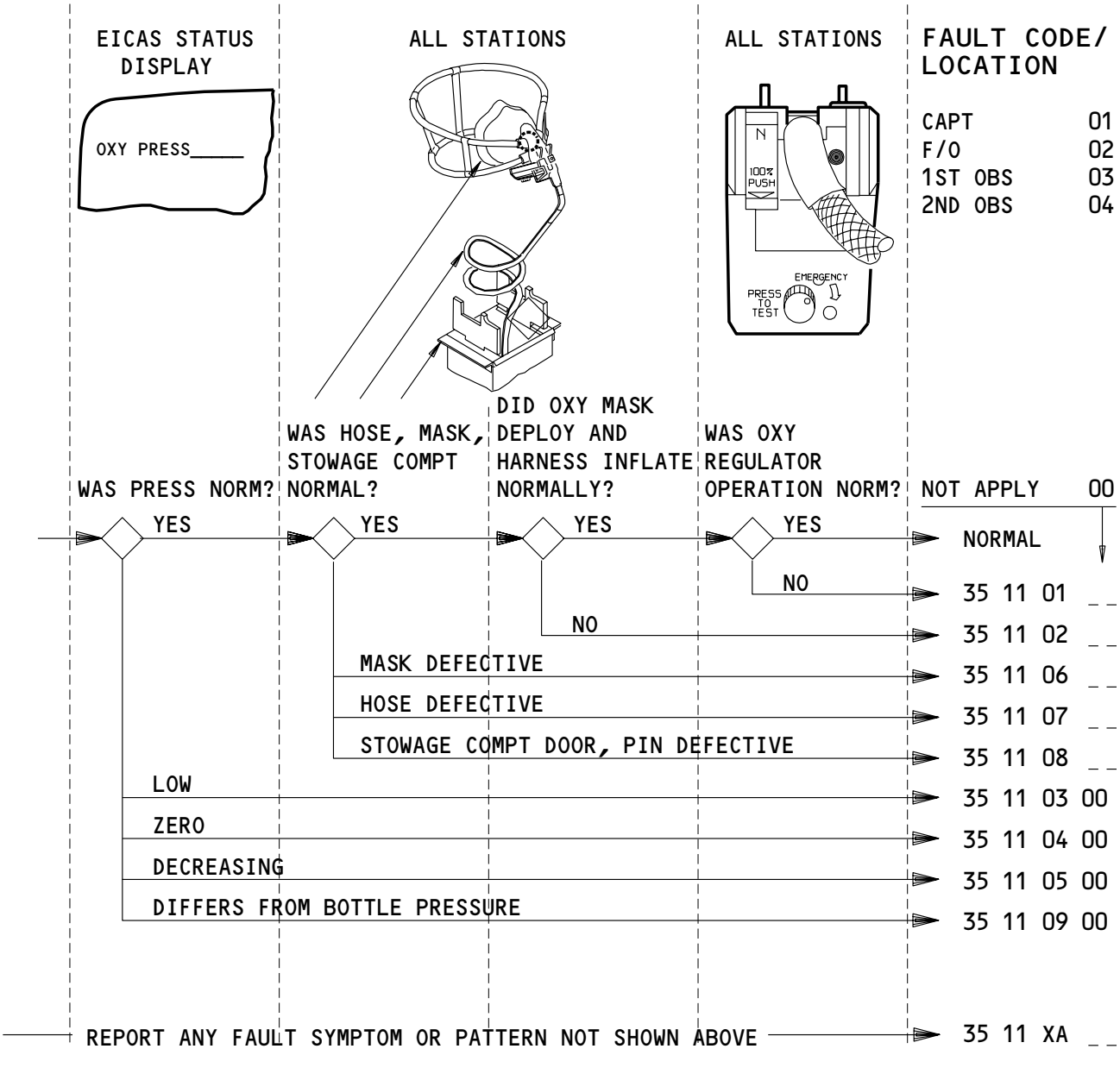


STATUS PAGE
(BOTTOM DISPLAY UNIT)

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
PASS OXYGEN ON	C	1. Replace the altitude pressure switch S119 (WDM 35-21-11). 2. If the problem continues replace the oxygen control relay K4 (WDM 35-21-11).



APPLICABLE CIRCUIT BREAKERS AS INSTALLED

11S31	OXYGEN PRESS
11S33	OXYGEN PRESS

CREW OXYGEN – FAULT CODES

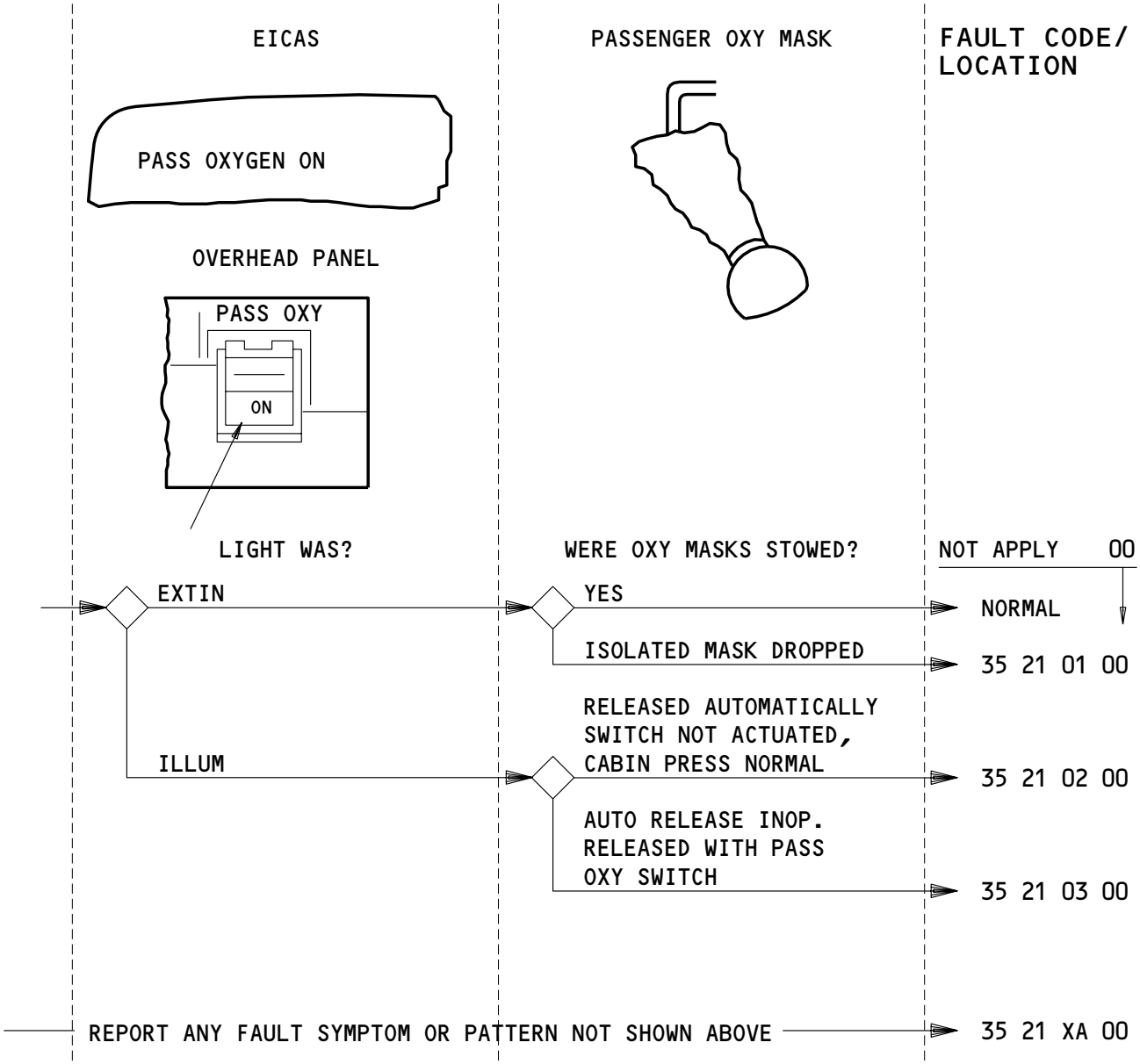
EFFECTIVITY

ALL

35-FAULT CODE DIAGRAM

01

54905



APPLICABLE CIRCUIT BREAKERS AS INSTALLED

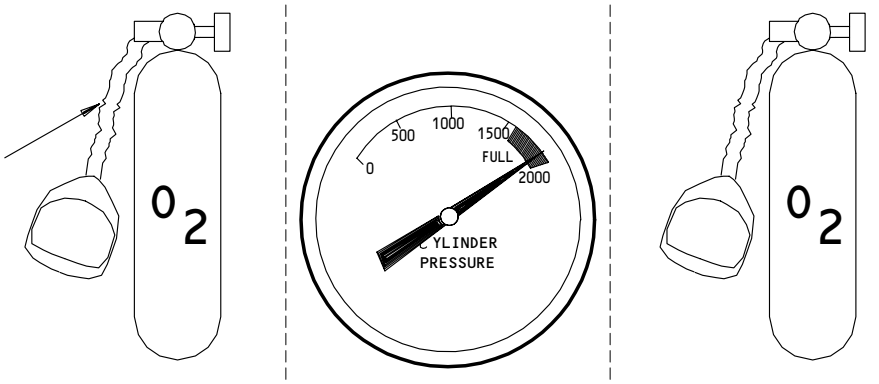
11A21	PASSENGER OXYGEN LEFT	11A24	PASSENGER OXYGEN CONT
11A21	PASSENGER OXYGEN L	11A25	PASSENGER OXYGEN MANUAL DEPLOY
11A23	PASSENGER OXYGEN RIGHT		
11A23	PASSENGER OXYGEN R		

PASSENGER OXYGEN – FAULT CODES

EFFECTIVITY

ALL

35-FAULT CODE DIAGRAM



CONDITION OF HOSE & MASK WAS?	PORTABLE OXYGEN CYLINDER PRESSURE WAS?	WAS PORTABLE OXYGEN USED?	FAULT CODE/ LOCATION
			CREW 01 PASS 02
			NOT APPLY 00
NORMAL	IN GREEN BAND	NO	NORMAL
		YES	35 31 01 _ _
	LOW/ZERO		35 31 02 _ _
HOSE DEFECTIVE			35 31 03 _ _
MASK DEFECTIVE			35 31 04 _ _
REPORT ANY FAULT SYMPTOM OR PATTERN NOT SHOWN ABOVE			35 31 XA _ _

APPLICABLE CIRCUIT BREAKERS

NONE

PORTABLE OXYGEN – FAULT CODES

EFFECTIVITY

ALL

35-FAULT CODE DIAGRAM

54909

FAULT CODE	LOG BOOK REPORT	FAULT ISOLATION REFERENCE
35 11 XA --	(O1=CAPT,O2=F/O,O3=1ST OBS, O4=2ND OBS) Crew oxygen problem was encountered by the flight crew which is not covered in the fault code diagrams.	SSM 35-11-01
35 21 XA 00	Passenger oxygen problem was encountered by the flight crew which is not covered in the fault code diagrams.	SSM 35-21-01
35 31 XA --	(O1=CREW,O2=PASS) portable oxygen problem was encountered by the flight crew which is not covered in the fault code diagrams.	SSM 35-31-01
35 11 01 --	(O1=CAPT,O2=F/O,O3=1ST OBS, O4=2ND OBS) Oxygen regulator operation (difficult to exhale, no pressure breathing available, leaking).	Replace the oxygen mask/regulator (AMM 35-11-00).
35 11 02 --	(O1=CAPT,O2=F/O,O3=1ST OBS, O4=2ND OBS) Oxygen mask (difficult to release from stowage, harness fails to flate, harness leaking, harness fails to deflate).	Replace the oxygen mask/regulator (AMM 35-11-00).
35 11 06 --	(O1=CAPT,O2=F/O,O3=1ST OBS, O4=2ND OBS) Oxygen mask defective (describe).	Replace the oxygen mask (AMM 35-11-00).
35 11 07 --	(O1=CAPT,O2=F/O,O3=1ST OBS, O4=2ND OBS) Oxygen mask hose defective (describe).	Replace the oxygen mask hose (AMM 35-11-00).
35 11 08 --	(O1=CAPT,O2=F/O,O3=1ST OBS, O4=2ND OBS) Oxygen mask panel (door, pin, etc) defective (describe).	Replace the oxygen mask panel (door, pin, etc)(AMM 35-11-00).
35 11 03 00	Crew oxygen pressure is low. OXY PRESS _____.	FIM 35-11-00/101, Fig. 103, Block 1
35 11 04 00	Crew oxygen pressure is zero. PRESS _____.	FIM 35-11-00/101, Fig. 103, Block 1

FAULT CODE	LOG BOOK REPORT	FAULT ISOLATION REFERENCE
35 11 05 00	Crew oxygen pressure is decreasing. EICAS status parameters displayed, OXY PRESS _____.	FIM 35-11-00/101, Fig. 103, Block 1
35 11 09 00	EICAS OXY PRESS differs from bottle press. EICAS OXY PRESS _____ psi. Bottle press _____ psi.	Open and then close this circuit breaker. (a) 11S31, OXYGEN PRESS If the problem continues, replace the oxygen cylinder (AMM 35-11-00). If the problem still continues, replace the pressure transducer (WDM 35-11-13).
35 21 01 00	Passenger mask(s) dropped (specify location or seat number).	FIM 35-21-00/101, Fig. 103, Block 1
35 21 02 00	EICAS msg PASS OXYGEN ON displayed, pass oxy ON light on and all masks dropped automatically. Switch not actuated, cabin pressurization was normal.	FIM 35-21-00/101, Fig. 104, Block 1
35 21 03 00	PASS OXY ON light on, masks failed to drop automatically. Masks dropped after actuation of PASS OXY switch. EICAS message displayed, PASS OXYGEN ON.	FIM 35-21-00/101, Fig. 105, Block 1
35 31 01 --	(01=Crew,02=Pass) Portable oxygen was used (specify location).	Replace the portable oxygen unit (AMM 35-00-00).
35 31 02 --	(01=Crew,02=Pass) Portable oxygen cylinder press is (low, zero)(specify location).	Replace or recharge the portable oxygen cylinder (AMM 35-00-00).
35 31 03 --	(01=Crew,02=Pass) Portable oxygen cylinder hose is defective (specify location).	Replace the hose and mask assembly (AMM 35-00-00).
35 31 04 --	(01=Crew,02=Pass) Portable oxygen cylinder mask is defective (specify location).	Replace the hose and mask assembly (AMM 35-00-00).

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)

H55847

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)

CREW OXYGEN

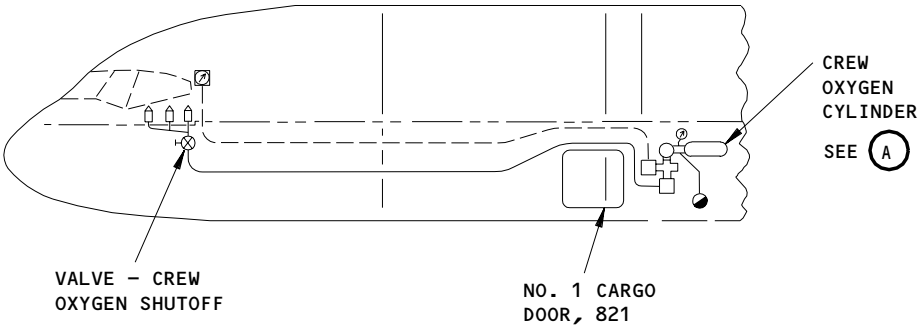
COMPONENT	FIG. 102 SHT	QTY	ACCESS/AREA	AMM REFERENCE
CIRCUIT BREAKER –	2		FLIGHT COMPARTMENT, P11	
OXYGEN PRESSURE, C1320		1	11S31	*
CIRCUIT BREAKER –	2		FLIGHT COMPARTMENT, P34	
OXYGEN PRESSURE IND, C4220 [1]		1	34B2	*
CYLINDER – CREW OXYGEN	1	1	821, AFT OF THE NO. 1 CARGO DOOR	35-11-00
FILLER VALVE [1]	1	1	821, ON THE OXYGEN FILL PANEL	35-11-12
INDICATORS –				
OXYGEN PRESSURE (CYLINDER)	1	1	821, AFT OF THE NO. 1 CARGO DOOR	35-11-00
OXYGEN PRESSURE (EXTERNAL FILL PANEL) [1]	1	1	821, ON THE OXYGEN FILL PANEL	35-11-05
MASK/REGULATOR	2	4	FLIGHT COMPARTMENT	35-11-00
REGULATOR – PRESSURE	1	1	821, AFT OF THE NO. 1 CARGO DOOR	35-11-03
RELAY – (FIM 31-01-37/101)				
GROUND HANDLING POWER TRANSFER, K10277 [1]				
TRANSDUCER – PRESSURE, TS120	1	1	821, AFT OF THE NO. 1 CARGO DOOR	35-11-00
VALVE – CREW OXYGEN SHUTOFF	3	1	FLIGHT COMPARTMENT	35-11-02

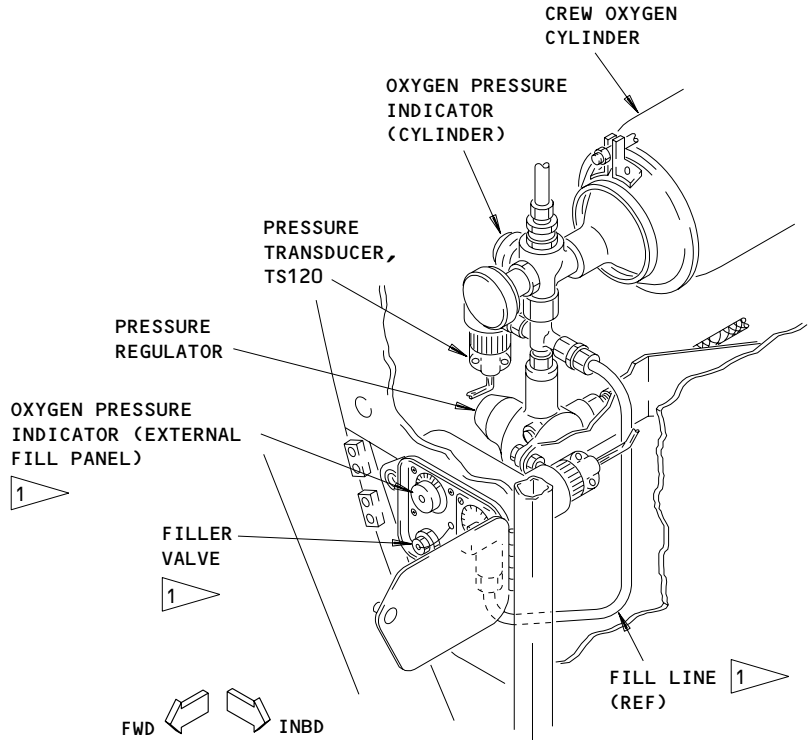
* SEE THE WDM EQUIPMENT LIST

[1] GUI 115

Crew Oxygen – Component Index
Figure 101

E48716



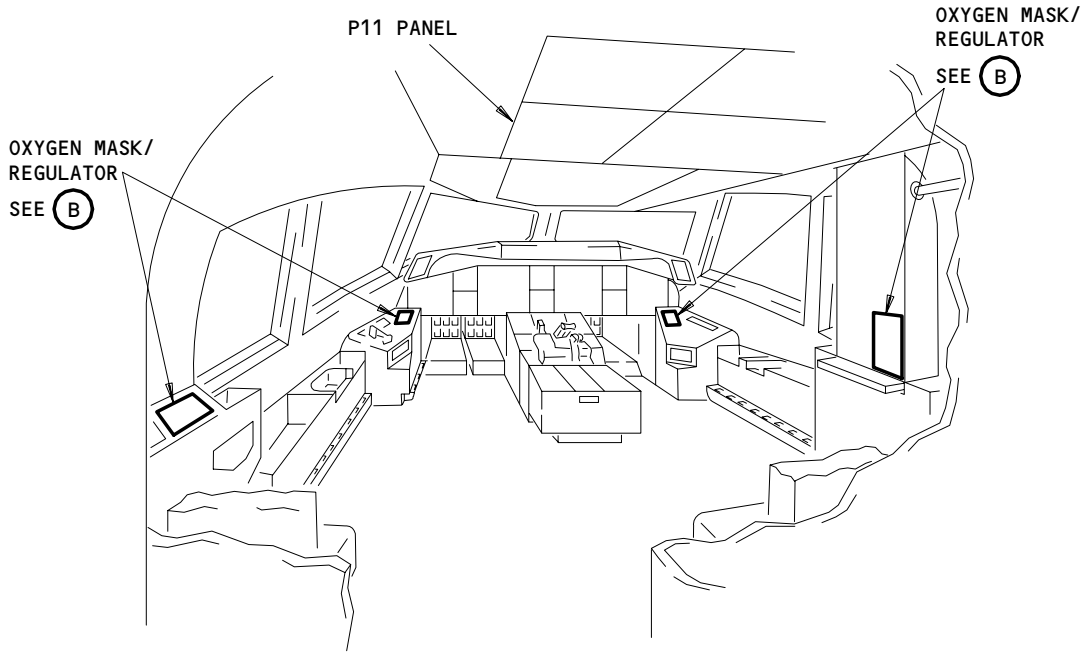


CREW OXYGEN CYLINDER

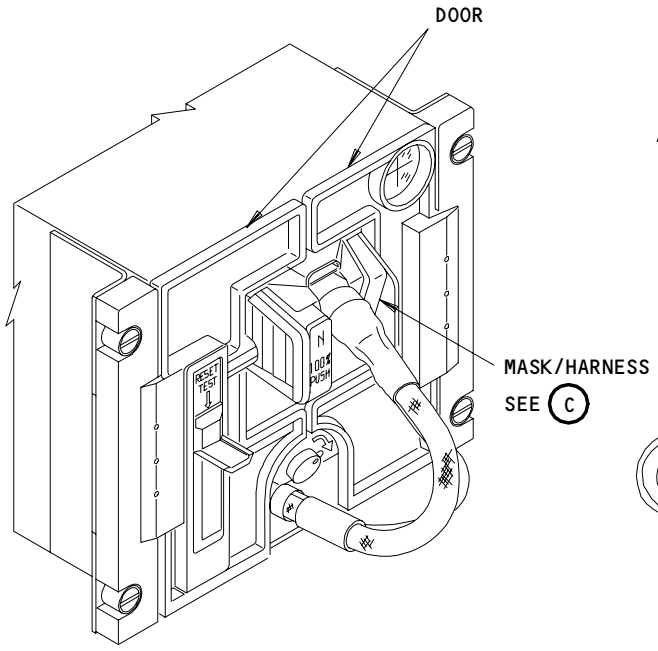
A

1 GUI 115

Crew Oxygen – Component Location
Figure 102 (Sheet 1)

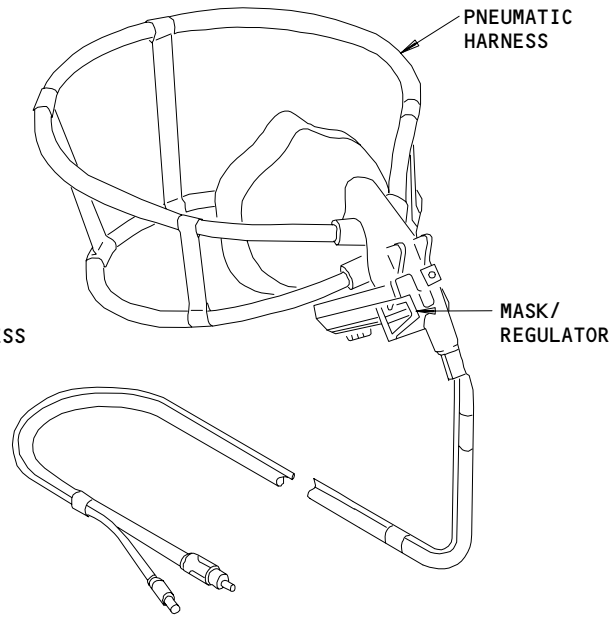


FLIGHT COMPARTMENT



OXYGEN MASK/REGULATOR
(SHOWN IN THE BOX WITH THE DOORS CLOSED)

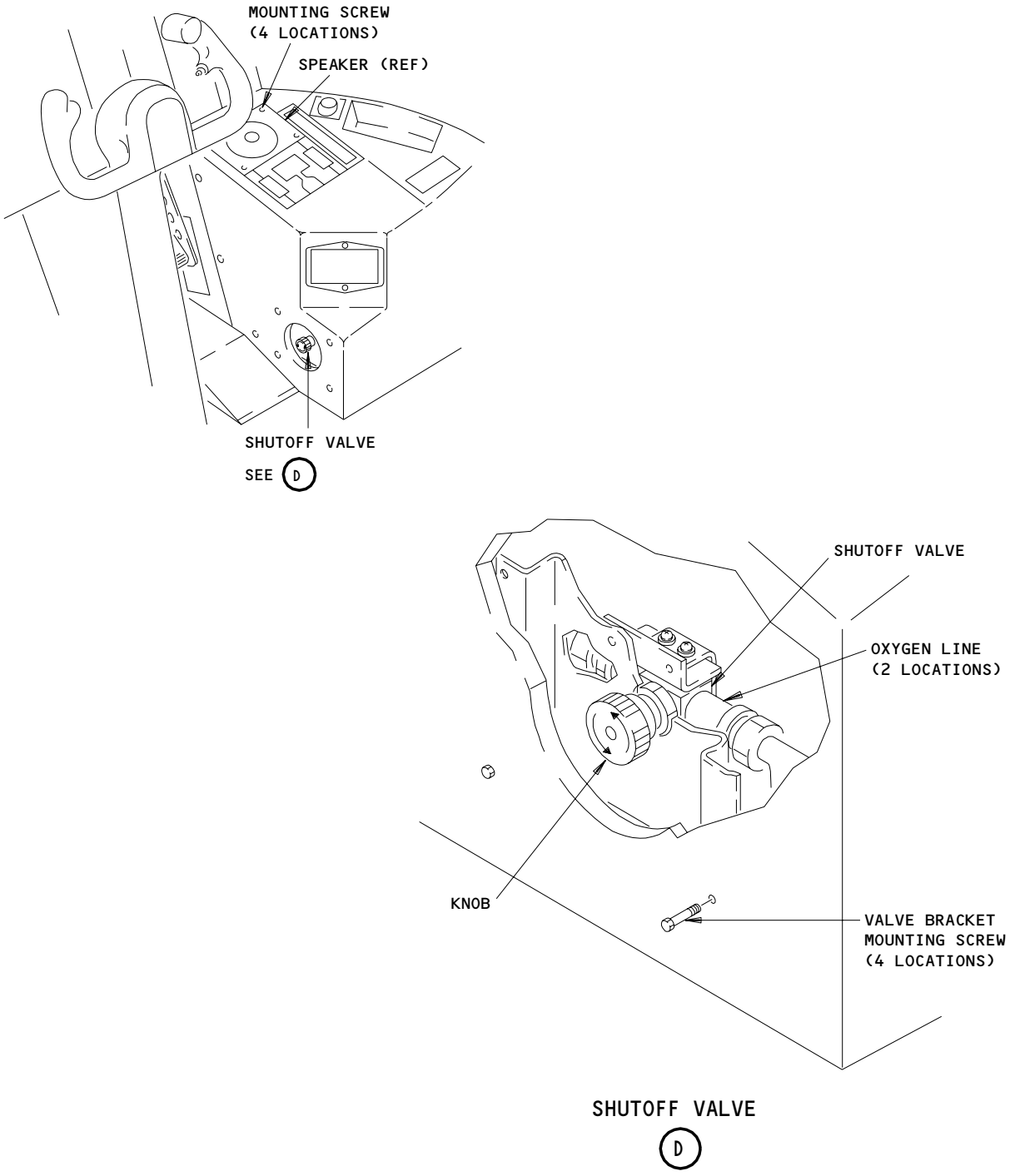
B



MASK/HARNESS
(SHOWN INFLATED)

C

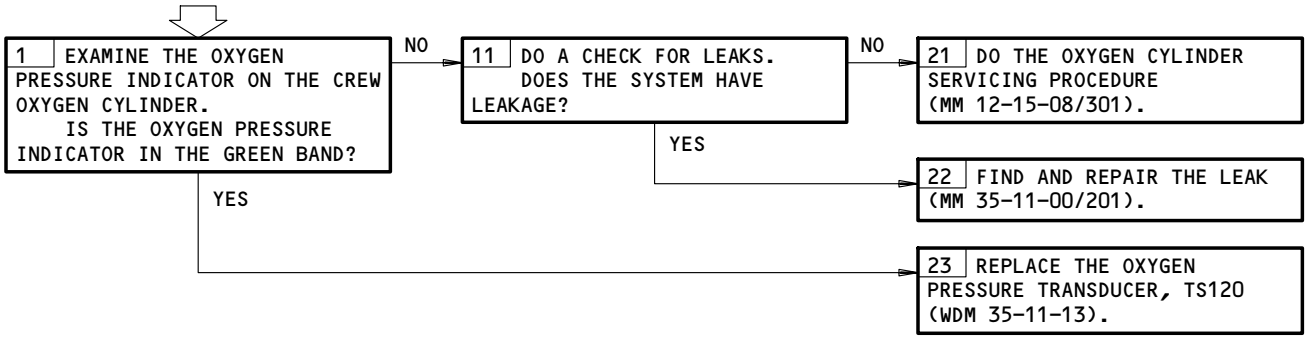
Crew Oxygen – Component Location
Figure 102 (Sheet 2)



Crew Oxygen - Component Location
Figure 102 (Sheet 3)

EICAS OXYGEN PRESSURE INDICATION IS ABNORMAL

PREREQUISITES
NONE



EICAS Oxygen Pressure Indication is Abnormal
Figure 103

PASSENGER OXYGEN

COMPONENT	FIG. 102 SHT	QTY	ACCESS/AREA	AMM REFERENCE
ACTUATOR – OXYGEN MODULE DOOR LATCH	2,3	1	PSU, OXYGEN MODULE	35-21-06
CIRCUIT BREAKER –	1		FLT COMPT, P11	
PASSENGER OXYGEN CONT, C1323		1	11A24	*
PASSENGER OXYGEN LEFT, C1321		1	11A21	*
PASSENGER OXYGEN MANUAL DEPLOY, C1325		1	11A25	*
PASSENGER OXYGEN RIGHT, C1322		1	11A23	*
DOOR – OXYGEN MODULE	2,3	1	PSU, OXYGEN MODULE	35-21-00
DOOR – SUSTAINING OXYGEN MODULE 2	2	1	PSU, SUSTAINING OXYGEN MODULE	35-21-00
GENERATOR – OXYGEN	2,3	1	PSU, OXYGEN MODULE	35-21-04
GENERATOR – SUSTAINING OXYGEN 2	2	1	PSU, SUSTAINING OXYGEN MODULE	35-21-04
LIGHT/SWITCH – PASSENGER OXYGEN, S2	1	1	FLT COMPT, P5, EMER LTS/PASS. OXY PNL, M43	35-21-00
PANEL – (FIM 33-51-00/101)				
EMER LTS/OXY, M43				
RELAY – (FIM 31-01-37/101)				
MANUAL DEPLOY OXY CONTROL, K7				
OXY CONTROL, K4				
OXY CONTROL TIME DELAY, K8 2				
OXY DEPLOY INDICATOR, K10038				
OXY MANUAL DEPLOY TIME DELAY, K42 2				
SWITCH – ALTITUDE PRESSURE, S119	1	1	119AL, MAIN EQUIP CTR, P37	35-21-00

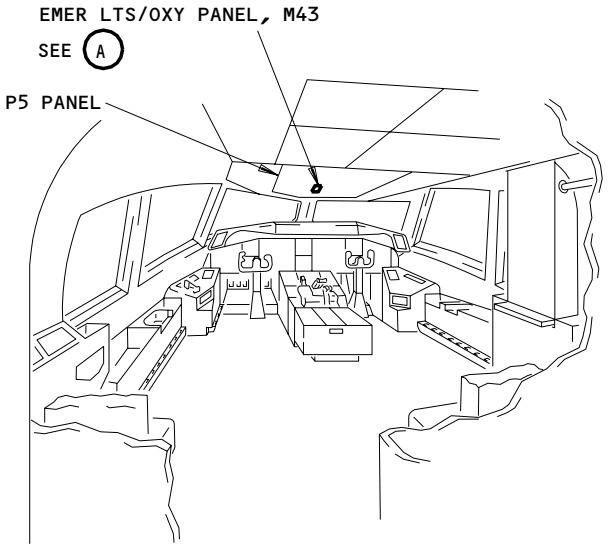
* SEE THE WDM EQUIPMENT LIST

1 VARIABLE WITH PASSENGER SEAT CONFIGURATION

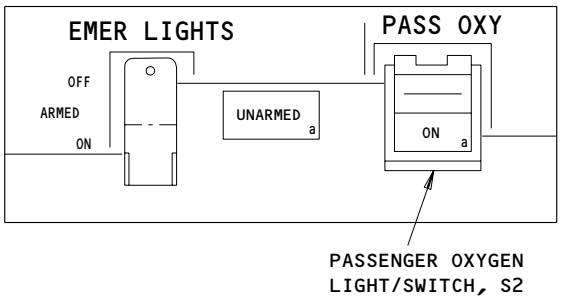
2 GUI 115

Passenger Oxygen – Component Index
Figure 101

A79649

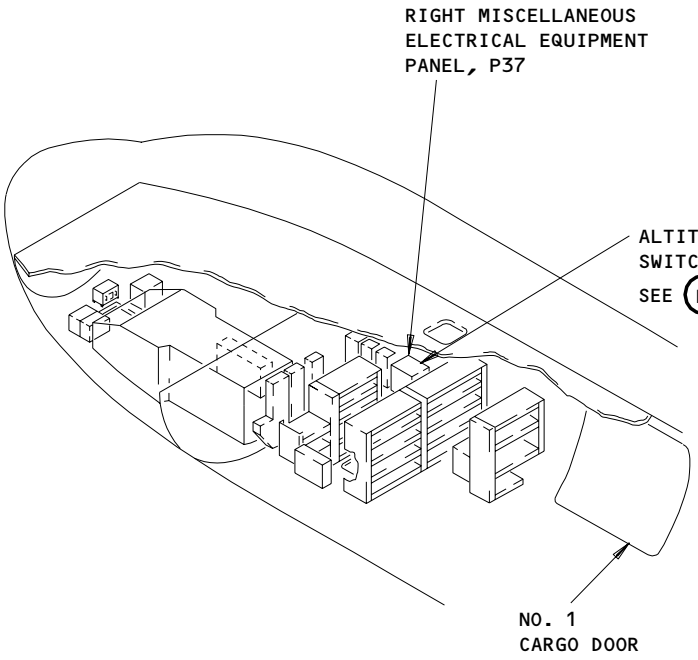


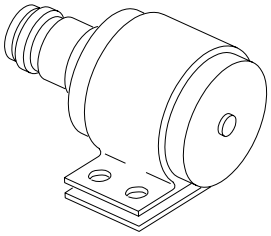
FLIGHT COMPARTMENT



EMER LTS/OXY PANEL, M43

A

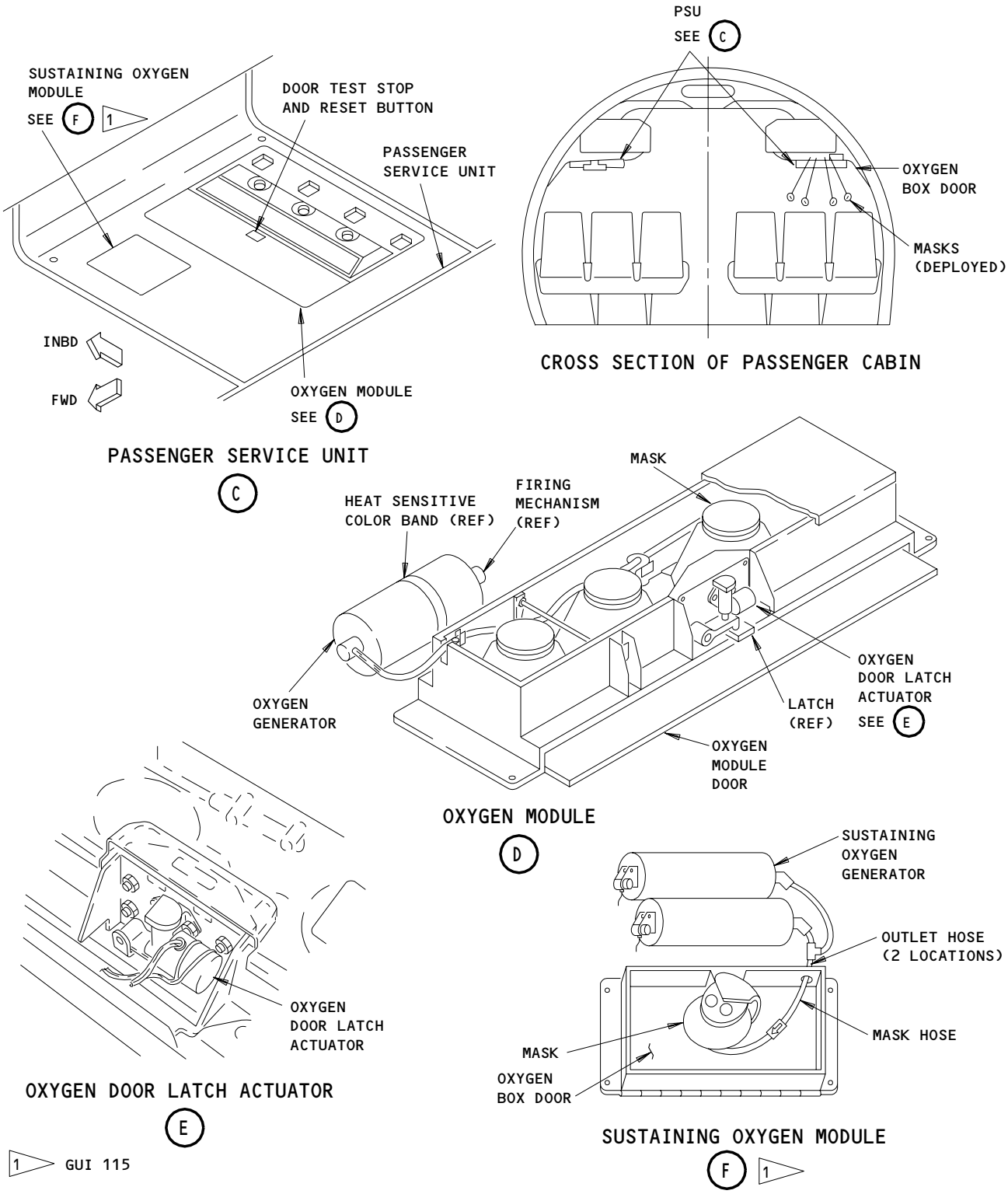




ALTITUDE PRESSURE SWITCH, S119

B

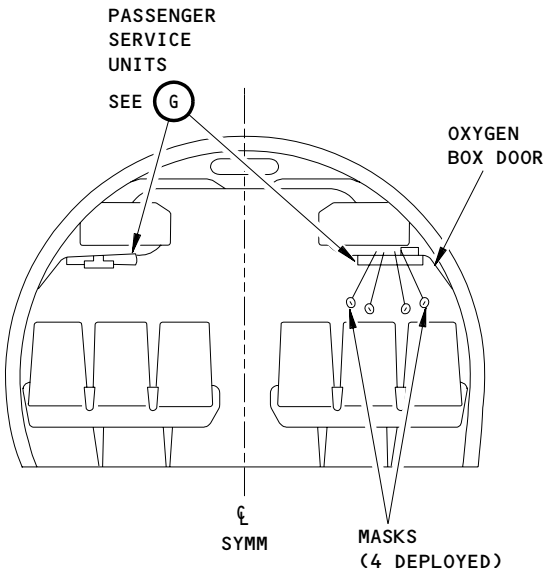
Passenger Oxygen - Component Location
Figure 102 (Sheet 1)



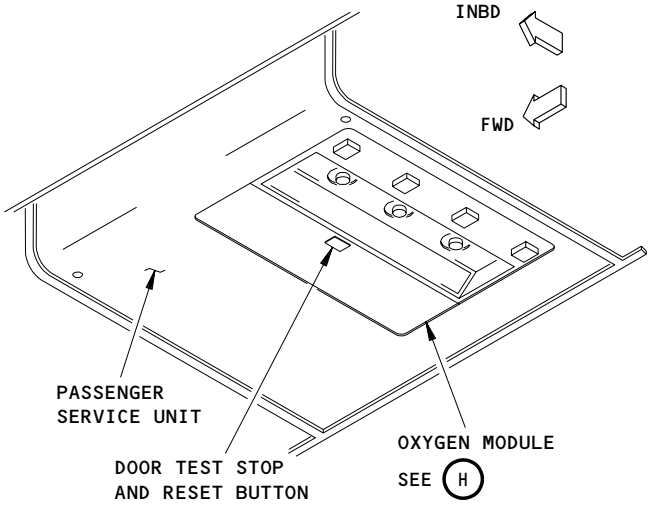
Passenger Oxygen – Component Location
Figure 102 (Sheet 2)

EFFECTIVITY
GUI 001-0004, 006, 007, 009-011, 015;
GUI 005, 008, PRE SB 05-0030;

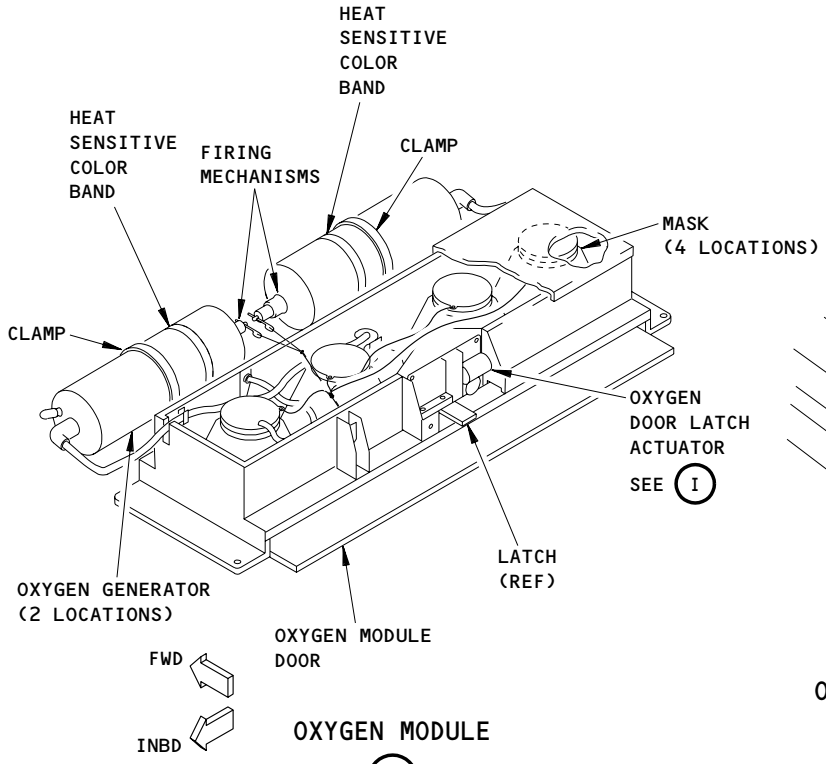
D03141



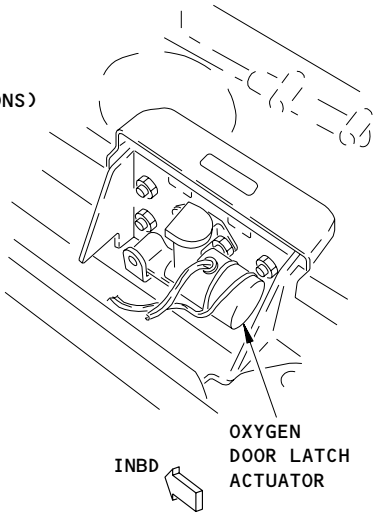
CROSS SECTION OF PASSENGER CABIN
(VIEW IN AFT DIRECTION)



PASSENGER SERVICE UNIT
G



OXYGEN MODULE
H



OXYGEN DOOR LATCH ACTUATOR
I

Passenger Oxygen – Component Location
Figure 102 (Sheet 3)

ISOLATED PASSENGER OXYGEN MASK(S) DEPLOYED

PREREQUISITES
NONE

1	ADJUST THE OXYGEN MODULE DOOR (MM 35-21-00/501). REPLACE ALL ACTIVATED OXYGEN GENERATORS (MM 35-21-04/401). REPACK THE OXYGEN MASK(S) (MM 35-21-05/201). RESET THE DOOR LATCH ACTUATOR FOR THE OXYGEN MODULE (MM 35-21-06/401). CLOSE THE OXYGEN MODULE DOOR (MM 35-21-06/401).

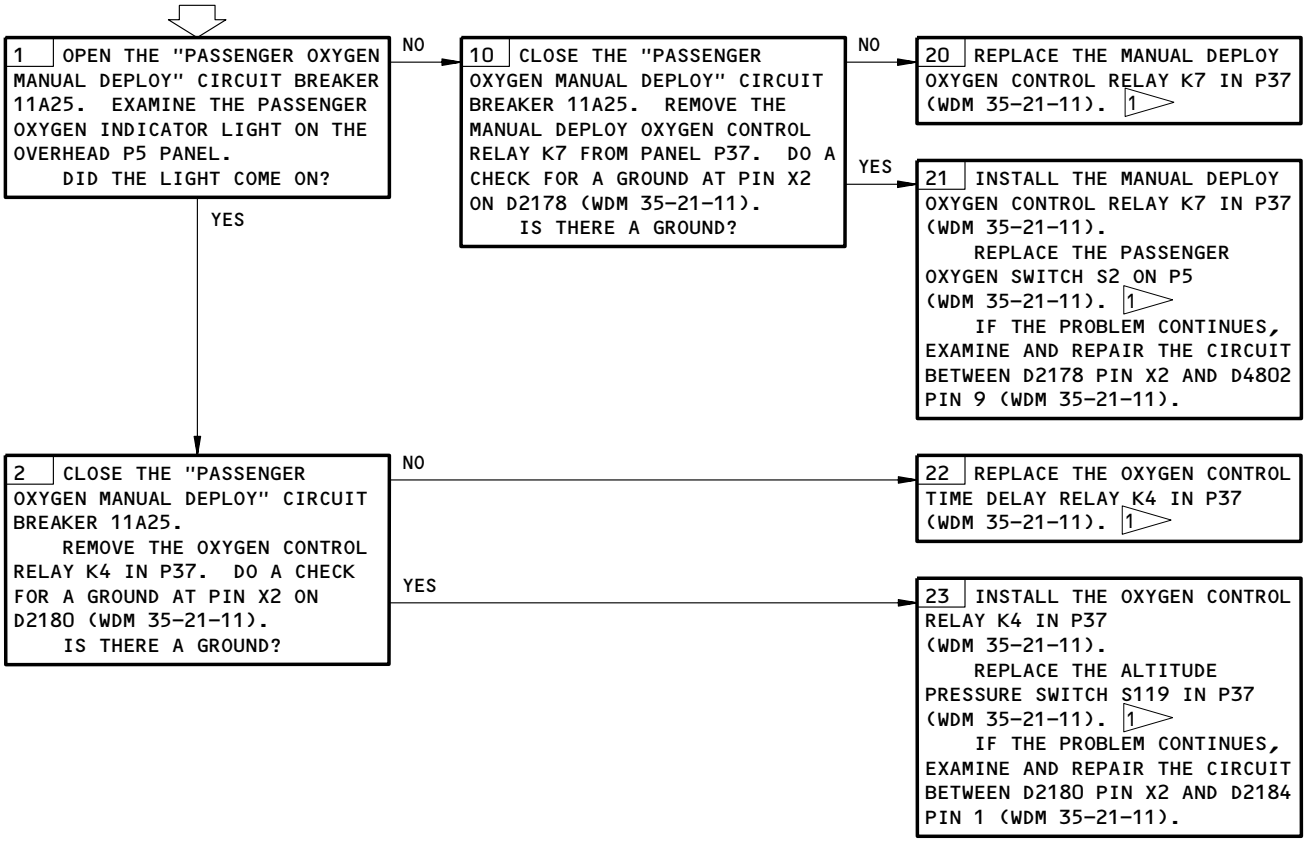
Isolated Passenger Oxygen Mask(s) Deployed
Figure 103

PASSENGER OXYGEN MASKS DEPLOYED AUTOMATICALLY WITHOUT LOSS OF CABIN PRESSURIZATION

PREREQUISITES

MAKE SURE THESE CIRCUIT BREAKERS ARE CLOSED:
11A21, 11A23, 11A24, 11A25

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



1 RESET ALL THE OXYGEN MODULE DOOR LATCH ACTUATORS (AMM 35-21-06/401). CLOSE THE OXYGEN MODULE DOORS (AMM 35-21-06/401).

Passenger Oxygen Masks Deployed Automatically Without Loss of Cabin Pressurization
Figure 104 (Sheet 1)

PASSENGER OXYGEN MASKS DEPLOYED AUTOMATICALLY WITHOUT LOSS OF CABIN PRESSURIZATION

PREREQUISITES

MAKE SURE THESE CIRCUIT BREAKERS ARE CLOSED:
11A21, 11A23, 11A24, 11A25

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

1 OPEN THE "PASSENGER OXYGEN MANUAL DEPLOY" CIRCUIT BREAKER 11A25. EXAMINE THE PASSENGER OXYGEN INDICATOR LIGHT ON THE OVERHEAD PANEL P5.
DID THE LIGHT COME ON?

NO → 10 CLOSE THE "PASSENGER OXYGEN MANUAL DEPLOY" CIRCUIT BREAKER 11A25. REMOVE THE OXYGEN MANUAL DEPLOY TIME DELAY RELAY K42 FROM P37. DO A CHECK FOR GROUND AT PIN 5 ON D2176 (WDM 35-21-11).
IS THERE A GROUND?

NO → 20 INSTALL THE OXYGEN MANUAL DEPLOY TIME DELAY RELAY K42 IN P37 (WDM 35-21-11).
REPLACE THE MANUAL DEPLOY OXYGEN CONTROL RELAY K7 IN P37 (WDM 35-21-11). 1
IF THE PROBLEM CONTINUES, EXAMINE AND REPAIR THE CIRCUIT BETWEEN D2178 PIN X2 AND D2174 PIN 5 (WDM 35-21-11).

YES

11 DO A CHECK FOR A GROUND AT PIN 3 ON D2176.
IS THERE A GROUND?

NO → 21 REPLACE THE MANUAL DEPLOY TIME DELAY RELAY K42 ON P37 (WDM 35-21-11). 1

YES → 22 INSTALL THE OXYGEN MANUAL DEPLOY TIME DELAY RELAY K42 IN P37.
REPLACE THE PASSENGER OXYGEN SWITCH S2 ON P5 (WDM 35-21-11). 1
IF THE PROBLEM CONTINUES, EXAMINE AND REPAIR THE CIRCUIT BETWEEN D2174 PIN 3 AND D4802 PIN 9 (WDM 35-21-11).

YES

2 CLOSE THE "PASSENGER OXYGEN MANUAL DEPLOY" CIRCUIT BREAKER 11A25.
REMOVE THE OXYGEN CONTROL TIME DELAY RELAY K8 FROM P37. DO A CHECK FOR A GROUND AT PIN 5 ON D2176 (WDM 35-21-11).
IS THERE A GROUND?

NO → 23 INSTALL THE OXYGEN CONTROL TIME DELAY RELAY K8 ON P37 (WDM 35-21-11).
REPLACE THE OXYGEN CONTROL RELAY K4 IN P37 (WDM 35-21-11). 1
IF THE PROBLEM CONTINUES, EXAMINE AND REPAIR THE CIRCUIT BETWEEN D2180 PIN X2 AND D2176 PIN 5 (WDM 35-21-11).

YES

3 DO A CHECK FOR A GROUND AT PIN 3 ON D2176.
IS THERE A GROUND?

NO → 24 REPLACE THE OXYGEN CONTROL TIME DELAY RELAY K8 IN P37 (WDM 35-21-11). 1

YES → 25 INSTALL THE OXYGEN CONTROL TIME DELAY RELAY K8 ON P37 (WDM 35-21-11).
REPLACE THE ALTITUDE PRESSURE SWITCH S119 IN P37 (WDM 35-21-11). 1
IF THE PROBLEM CONTINUES, EXAMINE AND REPAIR THE CIRCUIT BETWEEN D2180 PIN X2 AND D2176 PIN 5 (WDM 35-21-11).

1 RESET ALL THE OXYGEN MODULE DOOR LATCH ACTUATORS (AMM 35-21-06/401). CLOSE THE OXYGEN MODULE DOORS (AMM 35-21-06/401).

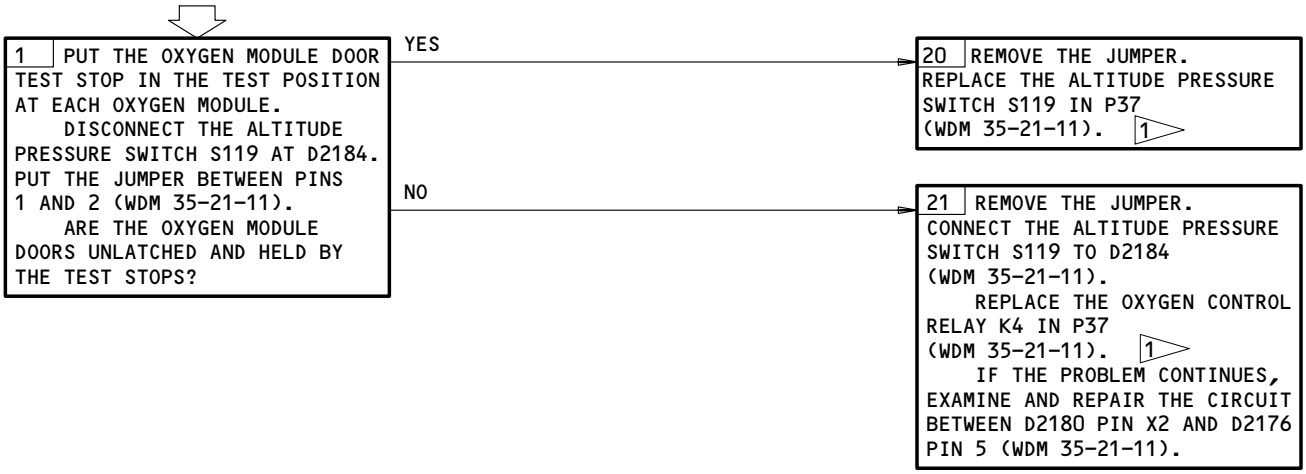
Passenger Oxygen Masks Deployed Automatically Without Loss of Cabin Pressurization
Figure 104 (Sheet 2)

PASSENGER OXYGEN MASKS DID NOT DROP AUTOMATICALLY

PREREQUISITES

MAKE SURE THESE CIRCUIT BREAKERS ARE CLOSED:
11A21,11A23,11A24,11A25

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



1 RESET ALL THE OXYGEN MODULE DOOR LATCH ACTUATORS (MM 35-21-06/401). CLOSE THE OXYGEN MODULE DOORS (MM 35-21-06/401). RETURN THE DOOR TEST STOPS TO THE STOWED POSITION (MM 35-21-00/501).

Passenger Oxygen Masks Did Not Drop Automatically
Figure 105 (Sheet 1)

PREREQUISITES

MAKE SURE THESE CIRCUIT BREAKERS ARE CLOSED:
11A21,11A23,11A24,11A25

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

PASSENGER OXYGEN MASKS DID NOT DROP AUTOMATICALLY

1 PUT THE OXYGEN MODULE DOOR TEST STOP IN THE TEST POSITION AT EACH OXYGEN MODULE.
DISCONNECT THE ALTITUDE PRESSURE SWITCH S119 AT D2184. PUT THE JUMPER BETWEEN PINS 1 AND 2 (WDM 35-21-11).
ARE THE OXYGEN MODULE DOORS UNLATCHED AND HELD BY THE TEST STOPS?

YES → 20 REMOVE THE JUMPER. REPLACE THE ALTITUDE PRESSURE SWITCH S119 IN P37 (WDM 35-21-11). 1

NO ↓

2 REMOVE THE JUMPER. CONNECT THE ALTITUDE PRESSURE SWITCH S119 TO D2184.
REMOVE THE OXYGEN CONTROL TIME DELAY RELAY K8 FROM P37. PUT THE JUMPER BETWEEN PINS 5 AND 2.
ARE THE OXYGEN MODULE DOORS UNLATCHED AND HELD BY THE TEST STOPS?

YES → 21 REPLACE THE OXYGEN CONTROL TIME DELAY RELAY K8 IN P37 (WDM 35-21-11). 1
IF THE PROBLEM CONTINUES, EXAMINE AND REPAIR THE CIRCUIT BETWEEN D2176 PIN 3 AND D2184 PIN 1 (WDM 35-21-11).

NO →

22 REMOVE THE JUMPER. INSTALL THE OXYGEN CONTROL TIME DELAY RELAY K8 IN P37 (WDM 35-21-11).
REPLACE THE OXYGEN CONTROL RELAY K4 ON P37 (WDM 35-21-11). 1
IF THE PROBLEM CONTINUES, EXAMINE AND REPAIR THE CIRCUIT BETWEEN D2180 PIN X2 AND D2176 PIN 5 (WDM 35-21-11).

1 RESET ALL THE OXYGEN MODULE DOOR LATCH ACTUATORS (MM 35-21-06/401). CLOSE THE OXYGEN MODULE DOORS (MM 35-21-06/401). RETURN THE DOOR TEST STOPS TO THE STOWED POSITION (MM 35-21-00/501).

Passenger Oxygen Masks Did Not Drop Automatically
Figure 105 (Sheet 2)

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