



**BOEING**  
767  
FAULT ISOLATION/MAINT MANUAL

Scandinavian Airlines System

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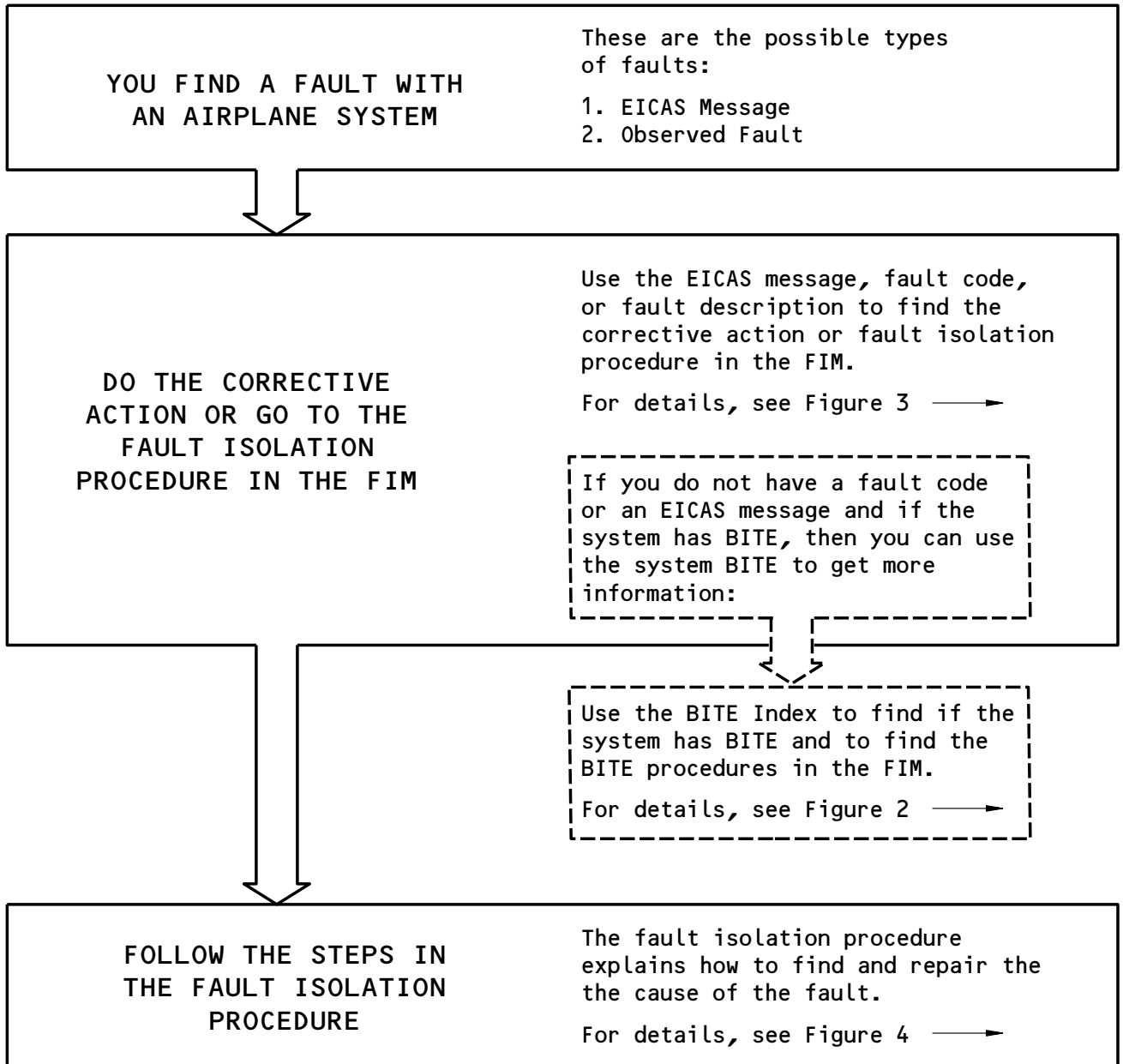


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Component Location			
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Component Index			
Component Location			



Basic Fault Isolation Process  
Figure 1

EFFECTIVITY

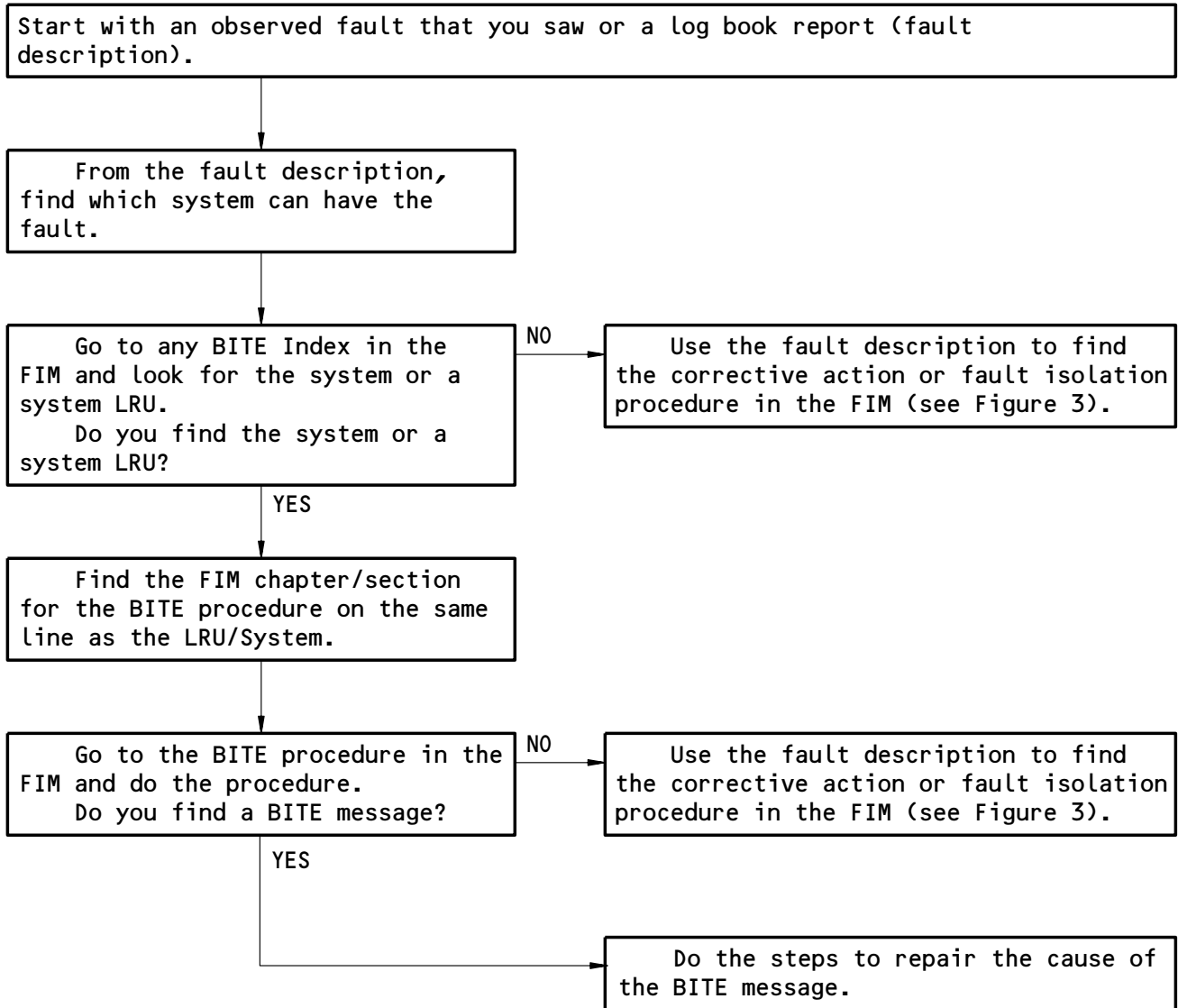
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# 29-HOW TO USE THE FIM

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How to Get Fault Information from BITE  
Figure 2

EFFECTIVITY

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## 29-HOW TO USE THE FIM

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IF YOU HAVE:

THEN DO THIS TO FIND THE CORRECTIVE ACTION OR FAULT ISOLATION PROCEDURE IN THE FIM:

FAULT CODE

1. The first two digits of the fault code are the FIM chapter that you need. Go to the Fault Code Index in that chapter and find the fault code.
2. Find the Fault Isolation Reference for the fault code and do the corrective action. If there is a FIM reference, then go to that fault isolation procedure in the FIM and do the steps in the procedure (see Figure 4).

EICAS MESSAGE TEXT  
(with no fault code)

1. If you know the chapter of the EICAS message, then go to the EICAS Messages section in that chapter and find the EICAS message.  
If you do not know the chapter of the EICAS message, then do these steps:
  - A. Go to FIM EICAS MESSAGE LIST and find the EICAS message in the table.  
**NOTE:** The list follows the INTRODUCTION to the FIM.
  - B. Find the chapter number on the same line as the EICAS message. Go to the EICAS Messages section in that chapter and find the EICAS message.
2. Do the corrective action in the "Procedure" column for the EICAS message. If there is a FIM reference, then go to that fault isolation procedure in the FIM and do the steps in the procedure (see Figure 4).

OBSERVED FAULT DESCRIPTION

1. Go to the Fault Code Diagram for the problem in the applicable chapter.
2. Do the fault analysis on the diagram and find the fault code.
3. The first two digits of the fault code are the FIM chapter that you need. Go to the Fault Code Index in that chapter and find the fault code.
4. Find the Fault Isolation Reference for the fault code and do the corrective action. If there is a FIM reference, then go to that fault isolation procedure in the FIM and do the steps in the procedure (see Figure 4).

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

Figure 3

EFFECTIVITY

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## 29-HOW TO USE THE FIM

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ASSUMED CONDITIONS AT START OF TASK

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

PREREQUISITES

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

FAULT ISOLATION BLOCKS

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

Do the Fault Isolation Procedure  
Figure 4

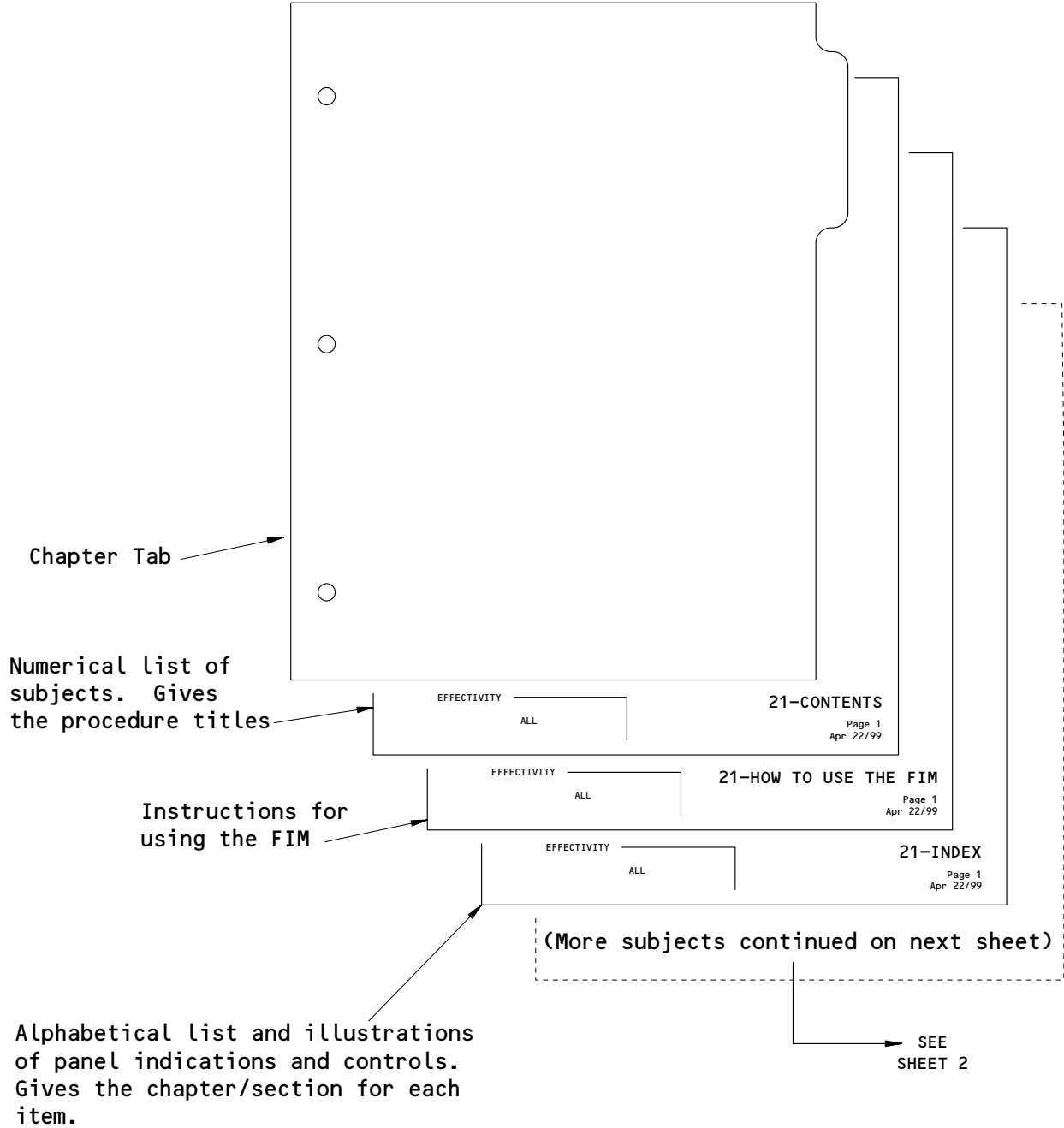
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**29-HOW TO USE THE FIM**

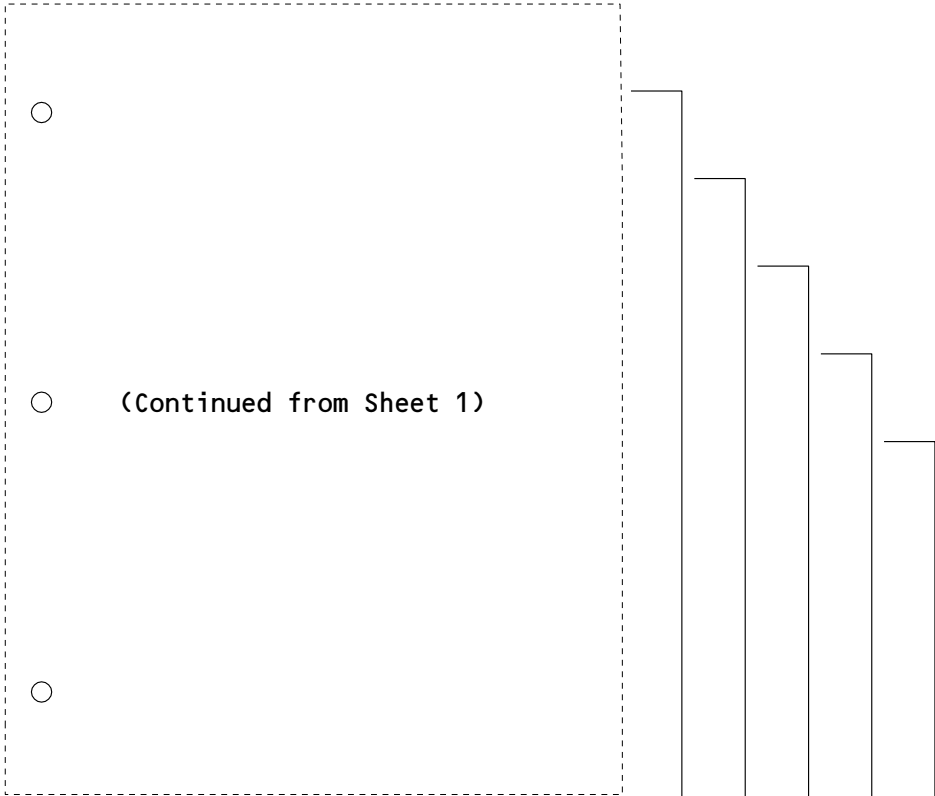
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Subjects in Each FIM Chapter  
Figure 5 (Sheet 1)

<p>EFFECTIVITY</p> <p align="center">ALL</p>	<p align="center"><b>29-HOW TO USE THE FIM</b></p> <p align="right">01</p> <p align="right">Page 5 Aug 22/99</p>
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Alphabetical list of the EICAS messages. Gives the procedure to repair the cause of the message or a reference to a fault isolation procedure.

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

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

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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.

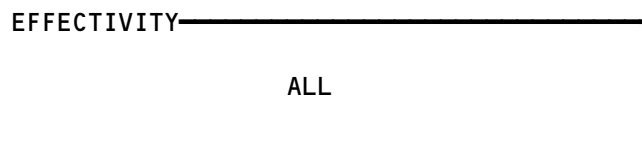
Subjects in Each FIM Chapter  
Figure 5 (Sheet 2)

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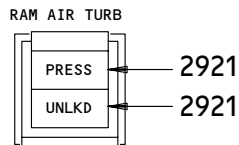
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LOW PRESS .....	2911
LOW PRESS LGT.....	2911
ZERO PRESS .....	2911
ACMP (LEFT OR RIGHT)	
AUTO MODE .....	2911
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LOW PRESS .....	2911
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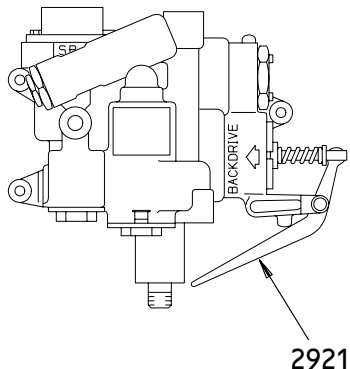


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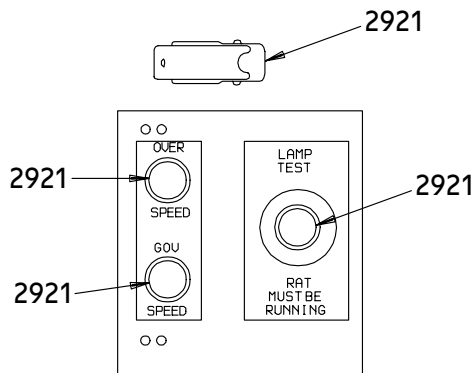




OVERHEAD PANEL



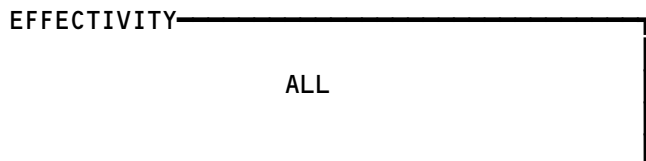
RAT GROUND  
CHECKOUT MODULE



RAT TACHOMETER AND  
RETRACTION SWITCH

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OVERSPEED LGT.....	2921
PRESS LGT.....	2921
RAT RETRACTION .....	2921

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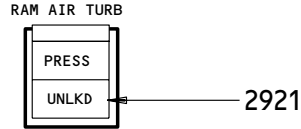


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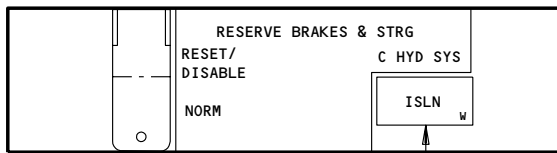
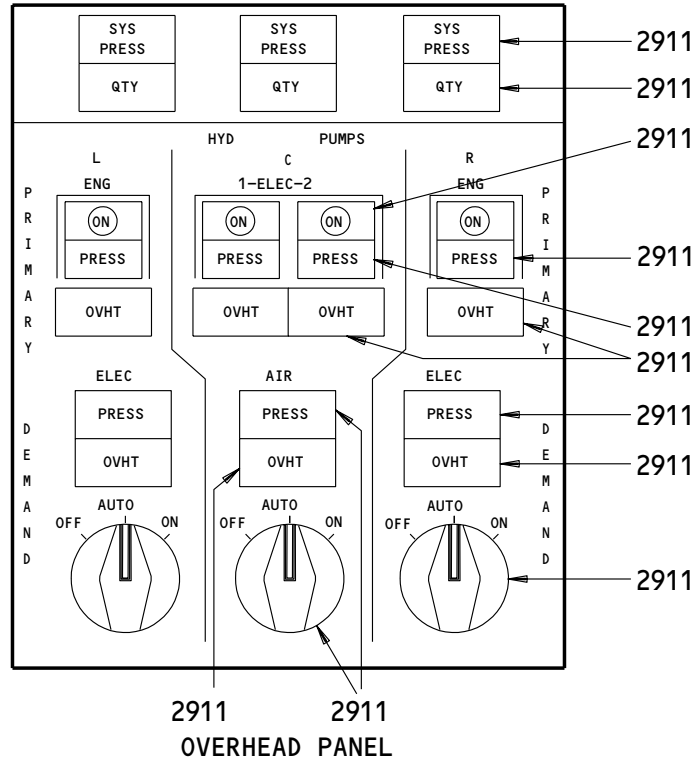
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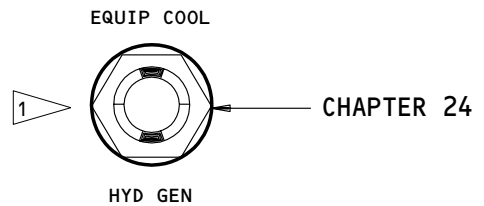


#### OVERHEAD PANEL



CHAPTER 32

#### ACCESSORY PANEL



	2911	EICAS	2911
	L	C	R
HYD QTY	0.82	1.00	0.75RF
HYD PRESS	2950	3000	3050

2911

1 AS INSTALLED

#### HYDRAULIC POWER - INDEX

EFFECTIVITY	ALL
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## 29-INDEX

HYDRAULIC POWER – EICAS MESSAGE LIST

1. General

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

EFFECTIVITY

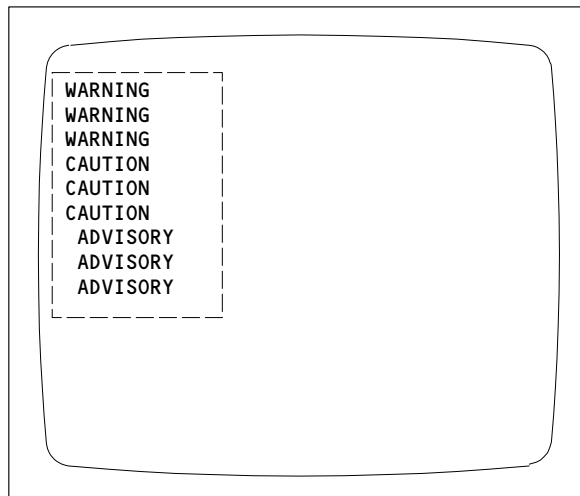
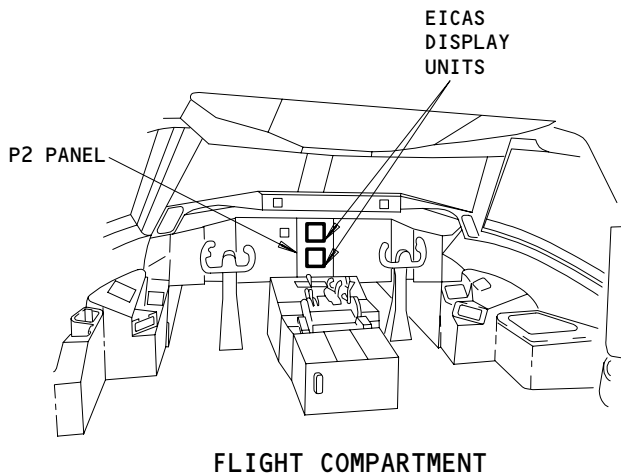
ALL

## 29-EICAS MESSAGES

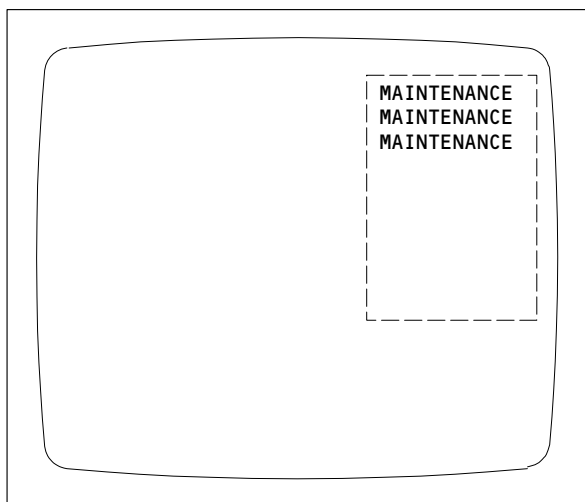
01

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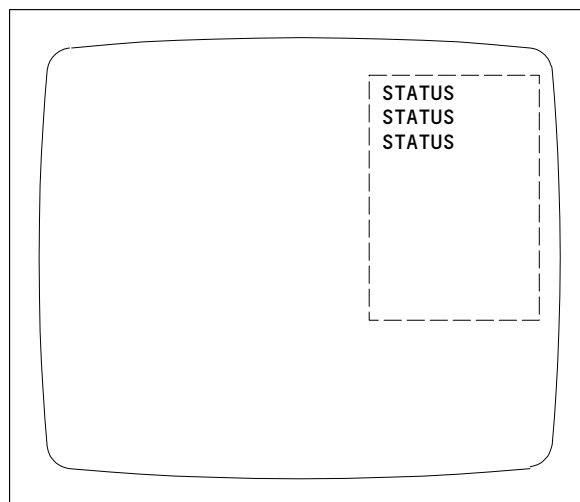
**BOEING**  
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ENGINE PRIMARY PAGE OR COMPACTED PAGE  
(TOP DISPLAY UNIT)



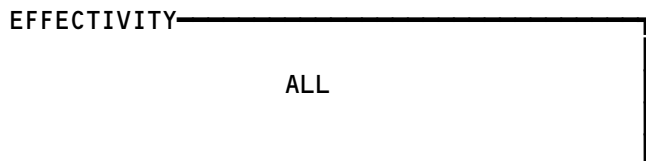
ECS/MSG PAGE  
(BOTTOM DISPLAY UNIT)



STATUS PAGE  
(BOTTOM DISPLAY UNIT)

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

EICAS Message Locations  
Figure 1



# 29-EICAS MESSAGES


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EICAS MESSAGE LIST		
EICAS MESSAGE	LEVEL	PROCEDURE
C DEM HYD OVHT	C	FIM 29-11-00/101, Fig. 121
C HYD DEM PUMP	C	FIM 29-11-00/101, Fig. 113
C HYD PRIM 1 (2)	C	FIM 29-11-00/101, Fig. 109
C HYD QTY	C	FIM 29-11-00/101, Fig. 119
C HYD QTY 0/FULL	M	FIM 29-11-00/101, Fig. 129
C HYD SYS MAINT	S,M	FIM 29-11-00/101, Fig. 125
C HYD SYS PRESS	B	Go to the 29-FAULT CODE INDEX and look at the fault codes: 29 11 17, 29 31 01.
C HYD 1 (2) OVHT	C	FIM 29-11-00/101, Fig. 123
L (R) DEM HYD OVHT	C	FIM 29-11-00/101, Fig. 122
L (R) HYD DEM PUMP	C	FIM 29-11-00/101, Fig. 105
L (R) HYD PRIM PUMP	C	FIM 29-11-00/101, Fig. 104A
L (R) HYD QTY	C	FIM 29-11-00/101, Fig. 116
L (R) HYD QTY 0/FULL	M	FIM 29-11-00/101, Fig. 129
L (R) HYD SYS MAINT	S,M	FIM 29-11-00/101, Fig. 124

EFFECTIVITY

ALL

## 29-EICAS MESSAGES

02

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EICAS MESSAGE LIST		
EICAS MESSAGE	LEVEL	PROCEDURE
L (R) HYD SYS PRESS	B	Go to the 29-FAULT CODE INDEX and look at the fault codes: 29 11 12, 29 31 01.
L (R) PRIM HYD OVHT	C	FIM 29-11-00/101, Fig. 120
RAT UNLOCKED	C	Adjust or replace the ram air turbine up limit switch, S369 (AMM 29-21-17/201)
RSV BRAKE VAL	C	FIM 29-11-00/101, Fig. 127

EFFECTIVITY \_\_\_\_\_

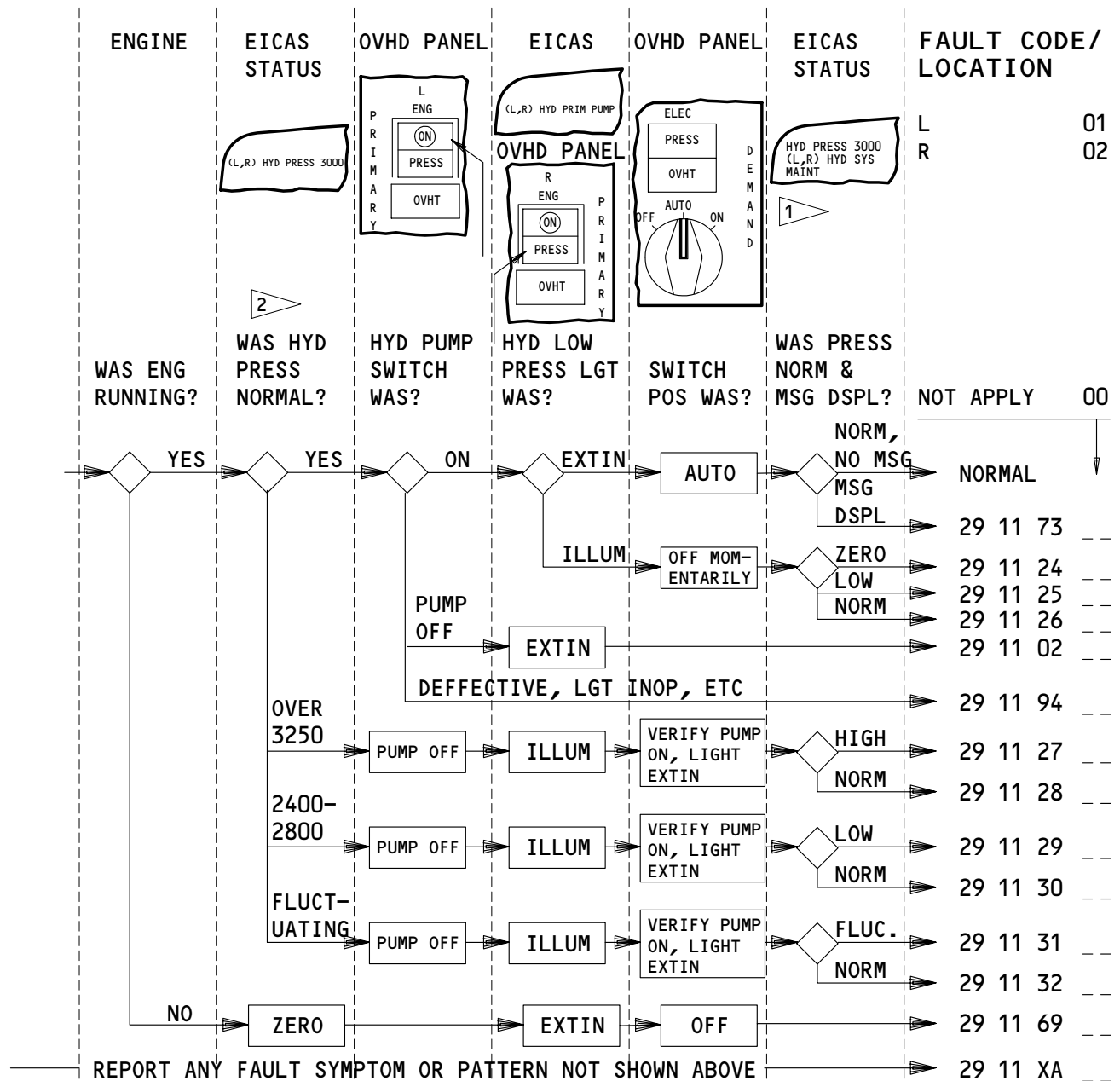
ALL

## 29-EICAS MESSAGES

# BOEING

## 767

### FAULT ISOLATION/MAINT MANUAL



1 ▷ EICAS MSG DISPLAYS IF PRESS LESS THAN 2800 FOR MORE THAN 60 SEC WITH BOTH ENGINES RUNNING. MSG IS INHIBITED BY HYD SYS LOW PRESS LGT.

2 ▷ NORMAL HYDRAULIC PRESSURE IS 2900 - 3200.

#### APPLICABLE CIRCUIT BREAKERS

11D29	L ENG PUMP SUPPLY	11L17	SYSTEM PRESS L
11D30	R ENG PUMP SUPPLY	11L23	R ENG PUMP DEPRESS
11L14	L ENG PUMP DEPRESS	11L26	SYSTEM PRESS R

#### EDP (ENGINE DRIVEN PUMP) - FAULT CODES

EFFECTIVITY

ALL

## 29-FAULT CODE DIAGRAM

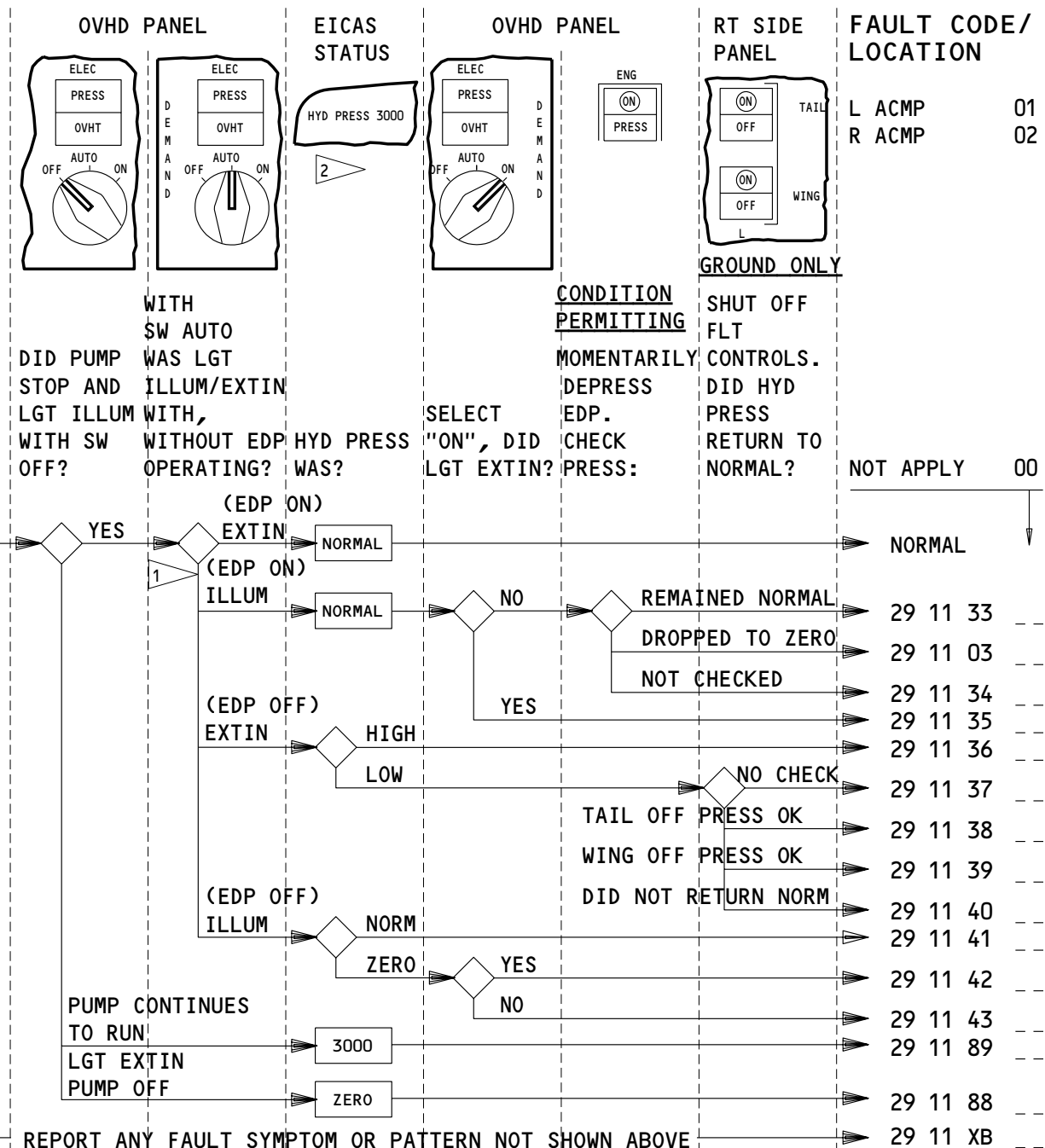
05

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### FAULT ISOLATION/MAINT MANUAL



1 ACMP STARTS AT 1900 PSI AND RUNS FOR 15 SEC AFTER PRESS EXCEEDS 2400 PSI.  
 2 NORMAL PRESS IS 2900 - 3200.

APPLICABLE CIRCUIT BREAKERS

11L25	ELEC PUMP L
11L16	ELEC PUMP R
11L17	SYSTEM PRESS L
11L26	SYSTEM PRESS R

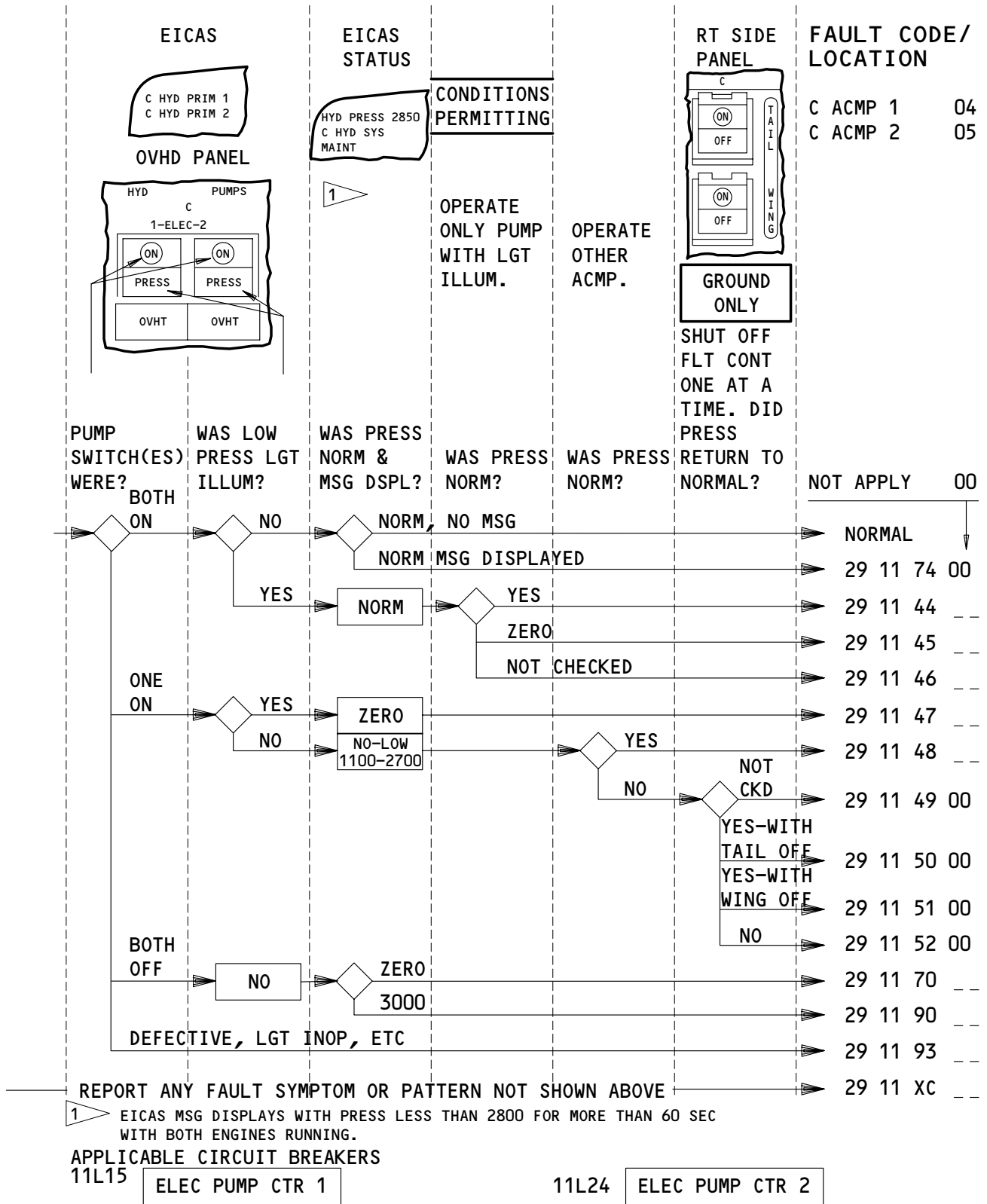
### ACMP (AC MOTOR PUMP) LEFT/RIGHT - FAULT CODES

EFFECTIVITY  
 ALL

## 29-FAULT CODE DIAGRAM

76241



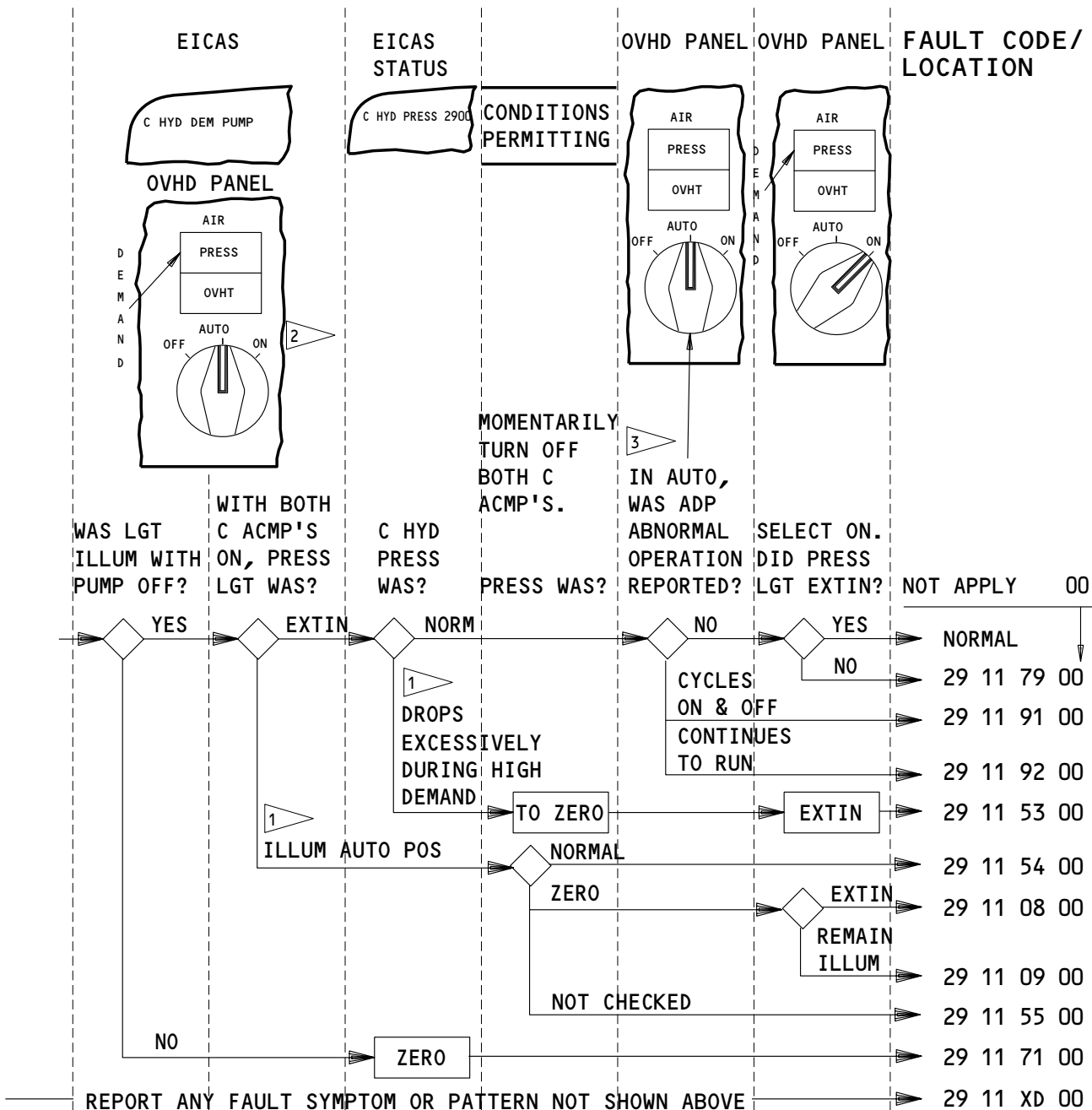


**ACMP (AC MOTOR PUMP) CENTER - FAULT CODES**

EFFECTIVITY

ALL

# 29-FAULT CODE DIAGRAM



- 1 IF SYS PRESS DROPS LOWER THAN NORMAL AND REMAINS LOW DURING HIGH DEMAND PERIODS, FAILURE OF ADP TO OPERATE IN AUTO MODE MAY BE INDICATED. (EXAMPLE: DURING LANDING GEAR OR FLAP OPERATION)
- 2 ADP WILL OPERATE IN AUTO POSITION IF COMMANDED ON BY THE HYD GEN.
- 3 CABIN STAFF NORMALLY REPORTS THIS PROBLEM AS A NOISE IN CABIN. VALIDATE ADP IS PROBLEM BEFORE USING THESE CODES.

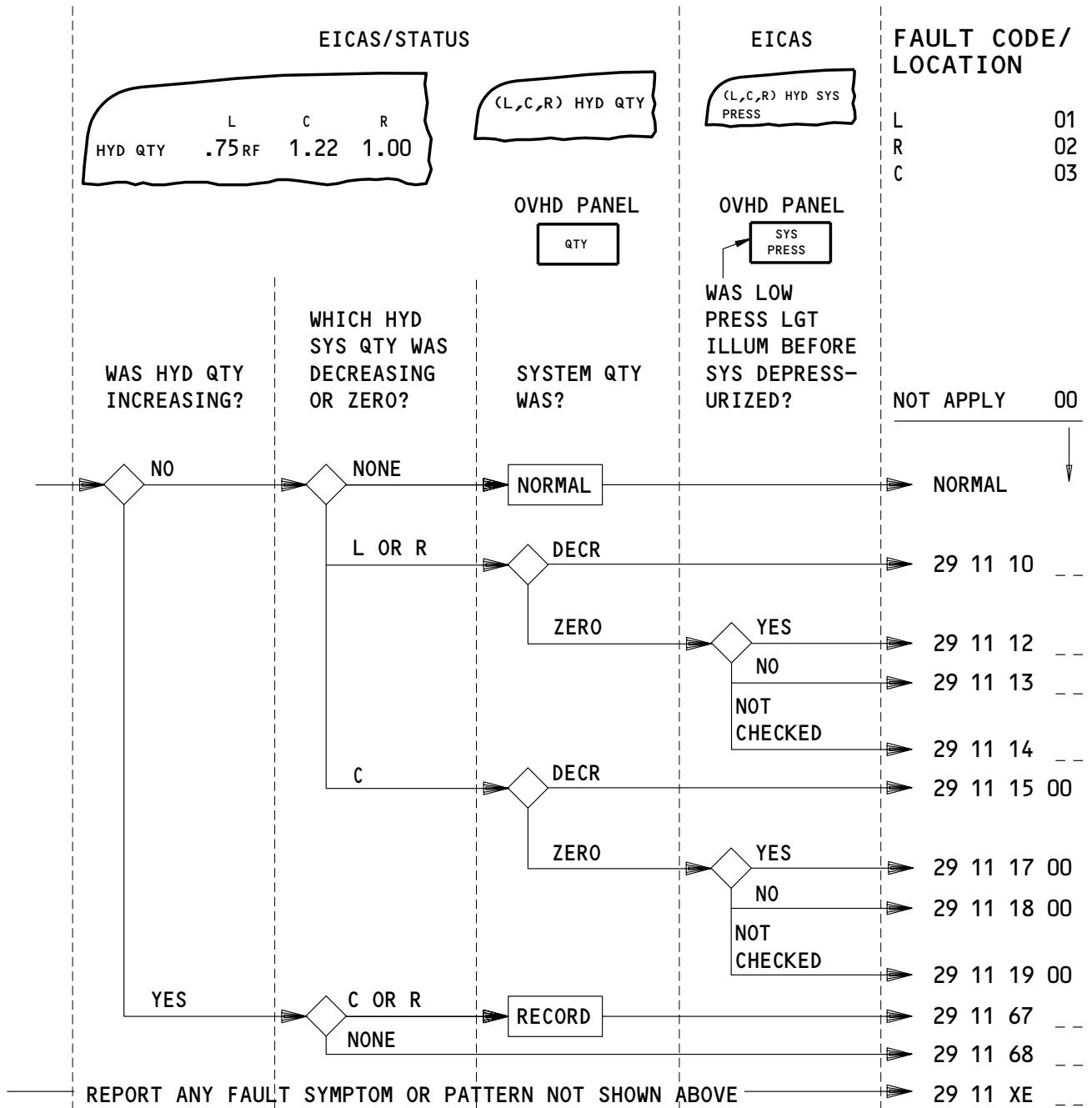
APPLICABLE CIRCUIT BREAKERS  
 11D31 HYDRAULIC AIR PUMP

ADP (AIR DRIVEN PUMP) - FAULT CODES

EFFECTIVITY  
 ALL

## 29-FAULT CODE DIAGRAM

160438



APPLICABLE CIRCUIT BREAKERS

NONE

**HYDRAULIC QUANTITY INCREASING/DECREASING - FAULT CODES**

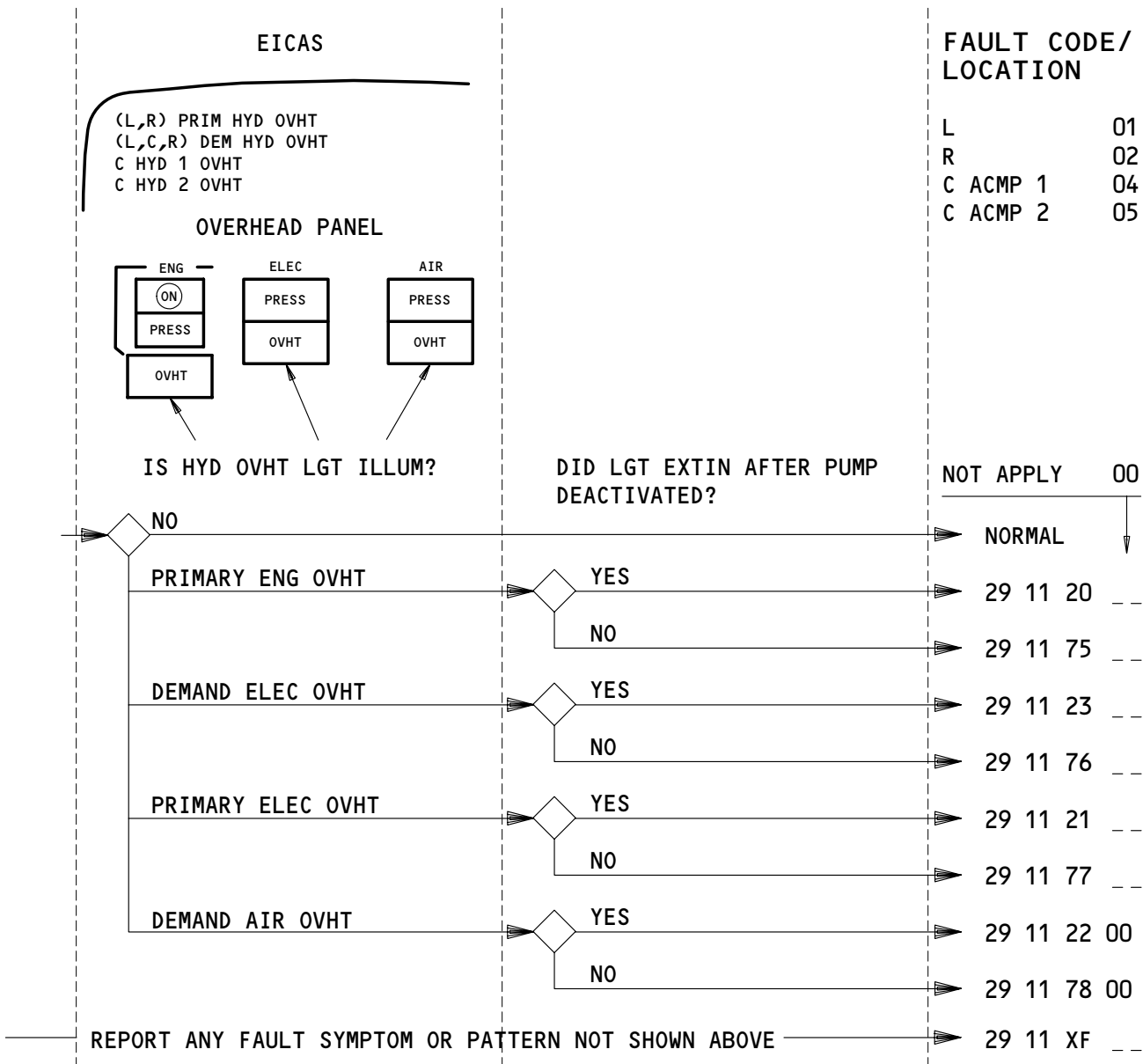
EFFECTIVITY

ALL

## 29-FAULT CODE DIAGRAM

01

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APPLICABLE CIRCUIT BREAKERS

NONE

**HYDRAULIC OVERHEAT - FAULT CODES**

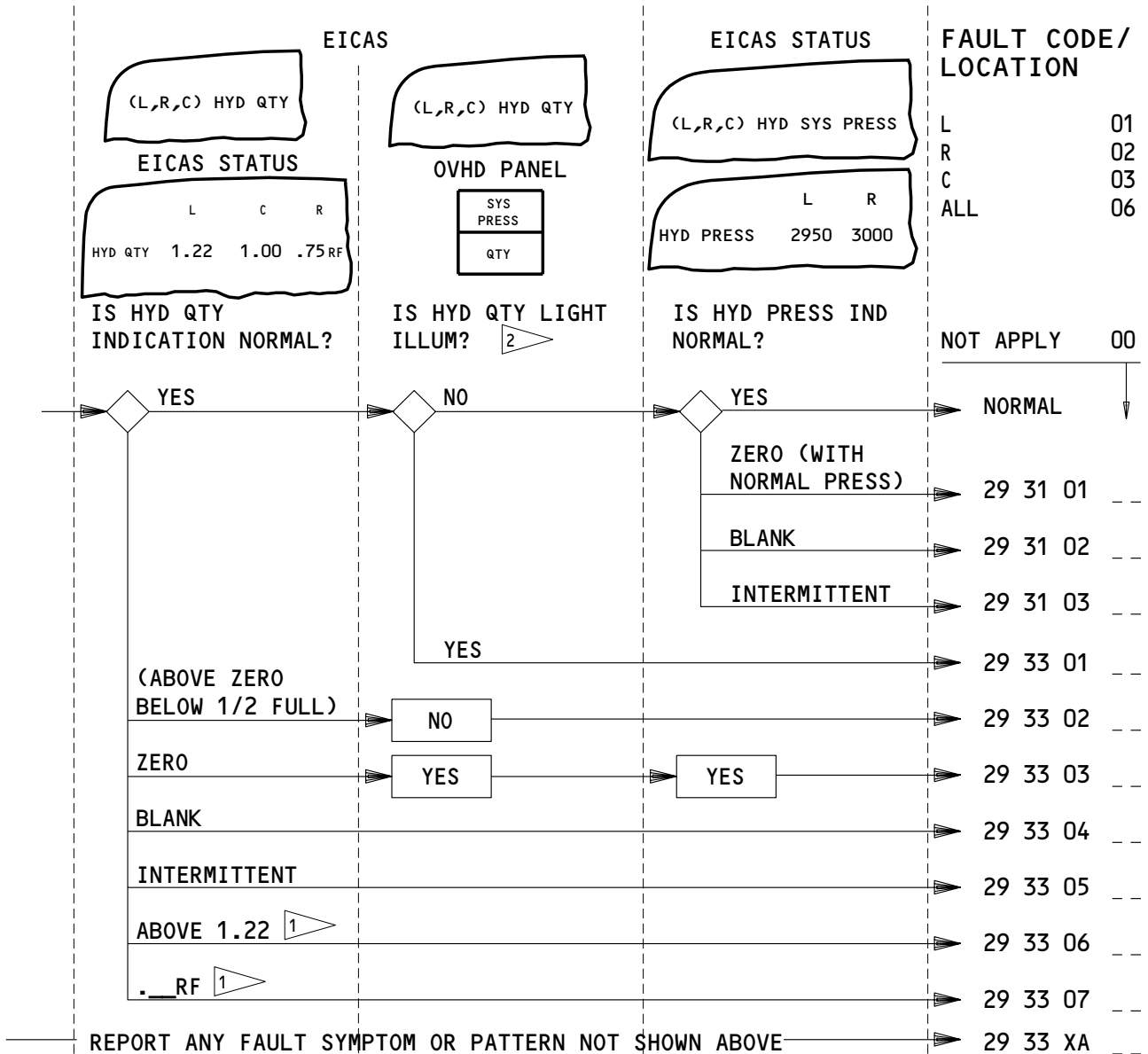
EFFECTIVITY

ALL

# 29-FAULT CODE DIAGRAM

03

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1 IF HYD QTY INCREASED TO 1.22 OR LEAK INDICATED, SEE "HYDRAULIC QUANTITY INCREASING/DECREASING".

2 IF C QTY LGT ILLUMINATES, C1 ELEC PUMP IS AUTOMATICALLY ISOLATED TO ALTN BRAKES & NOSE STEERING.

**APPLICABLE CIRCUIT BREAKERS**

11L17	SYSTEM PRESS L
11L18	SYSTEM PRESS CTR
11L20	QTY
11L26	SYSTEM PRESS R

**HYDRAULIC INDICATORS - FAULT CODES**

EFFECTIVITY

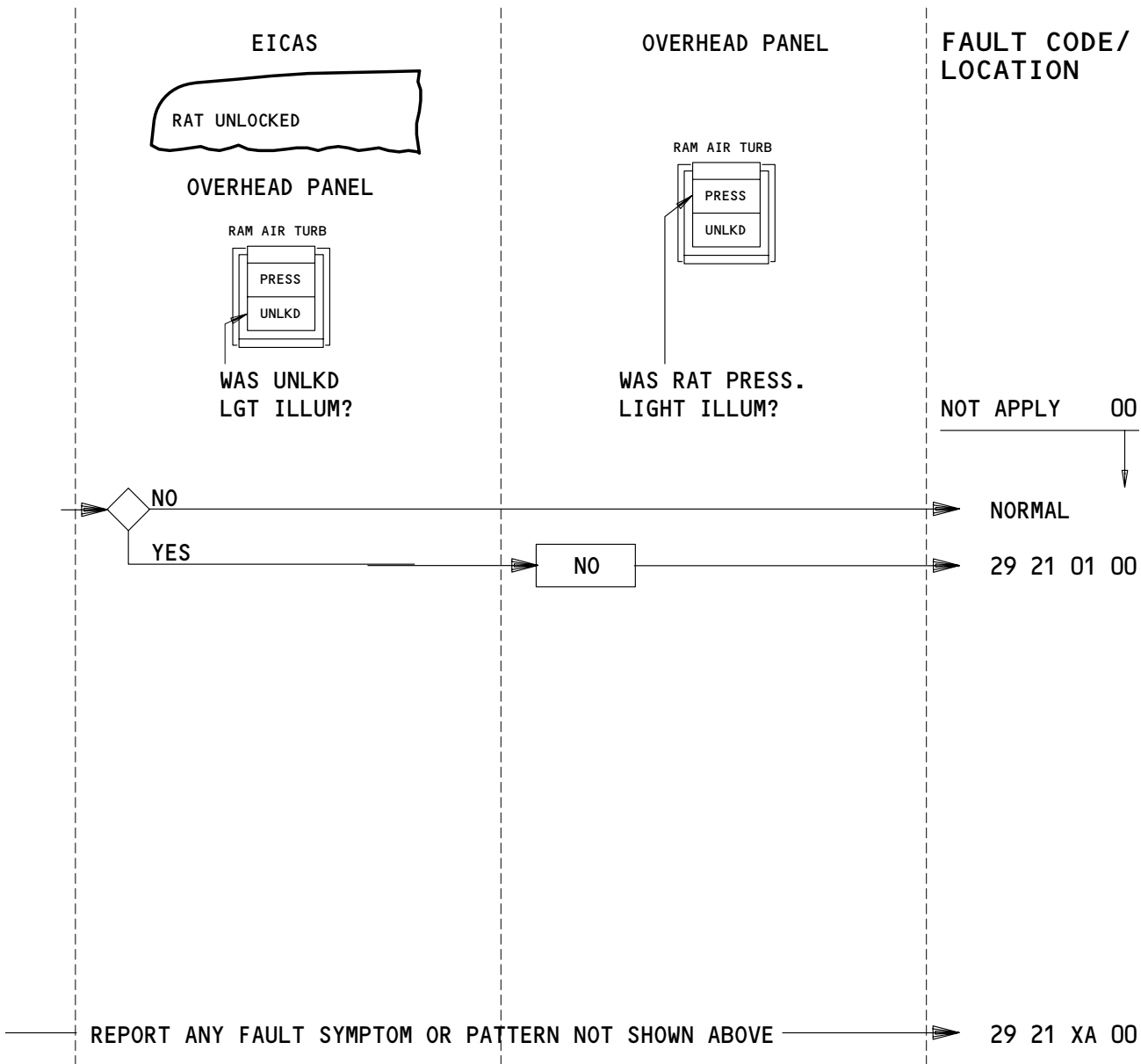
ALL

**29-FAULT CODE DIAGRAM**

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APPLICABLE CIRCUIT BREAKERS

- 6C1 MAN RAM AIR TURB
- 6C2 AUTO RAM AIR TURB
- 6J8 RAM AIR TURBINE PWR

RAT (RAM AIR TURBINE) – FAULT CODES

EFFECTIVITY  
ALL

## 29-FAULT CODE DIAGRAM

01

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Not Used  
Figure 9

EFFECTIVITY

ALL

## 29-FAULT CODE DIAGRAM

01

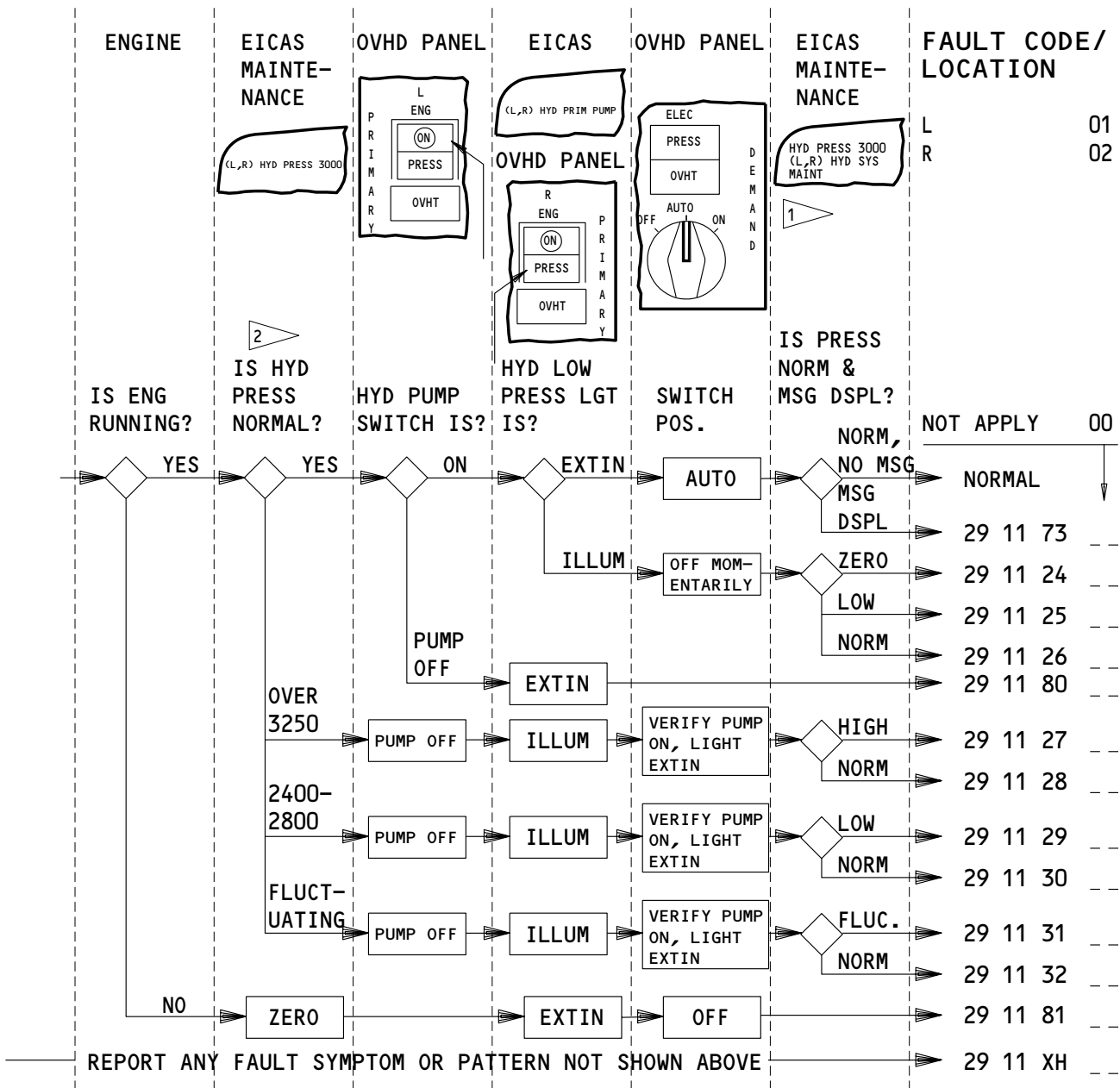
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138534

# BOEING

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### FAULT ISOLATION/MAINT MANUAL



- 1 EICAS MSG DISPLAYS IF PRESS LESS THAN 2800 FOR MORE THAN 60 SEC WITH BOTH ENGINES RUNNING. MSG IS INHIBITED BY HYD SYS LOW PRESS LGT.
- 2 NORMAL HYDRAULIC PRESSURE IS 2900 - 3200.

**APPLICABLE CIRCUIT BREAKERS**

11D29	ENG PUMP SUPPLY L	11L17	SYSTEM PRESS L
11D30	ENG PUMP SUPPLY R	11L23	R ENG PUMP DEPRESS
11L14	L ENG PUMP DEPRESS	11L26	SYSTEM PRESS R

**EDP (ENGINE DRIVEN PUMP) - FAULT CODES (GROUND)**

EFFECTIVITY

ALL

## 29-FAULT CODE DIAGRAM

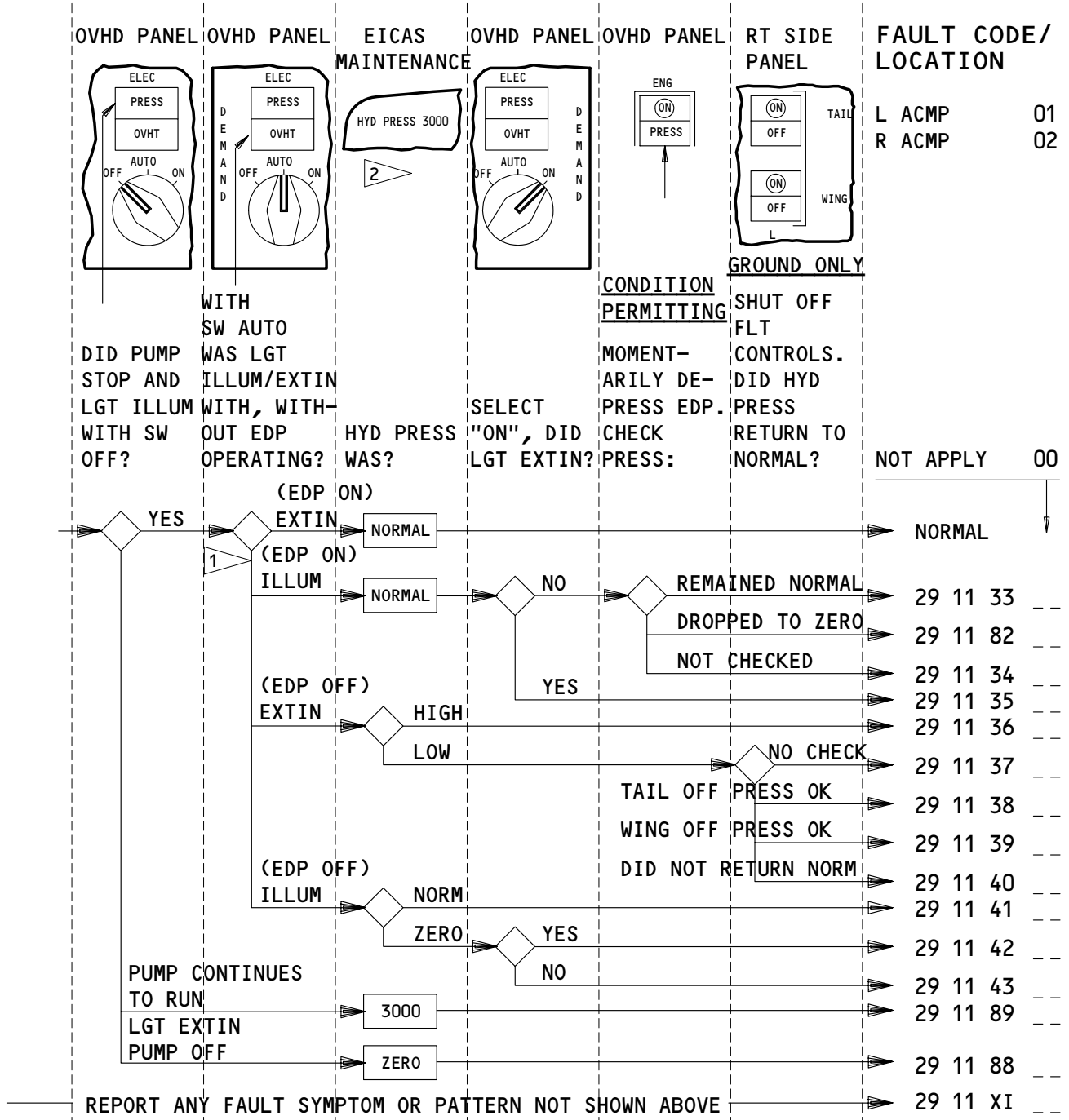
173956



# BOEING

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### FAULT ISOLATION/MAINT MANUAL



1 ACMP STARTS AT 1900 PSI AND RUNS FOR 15 SEC AFTER PRESS EXCEEDS 2400 PSI.

2 NORMAL PRESS IS 2900 - 3200.

**APPLICABLE CIRCUIT BREAKERS**

11L16 ELEC PUMP R

11L17 SYSTEM PRESS L

11L25 ELEC PUMP L

11L26 SYSTEM PRESS R

**ACMP (AC MOTOR PUMP) LEFT/RIGHT - FAULT CODES (GROUND)**

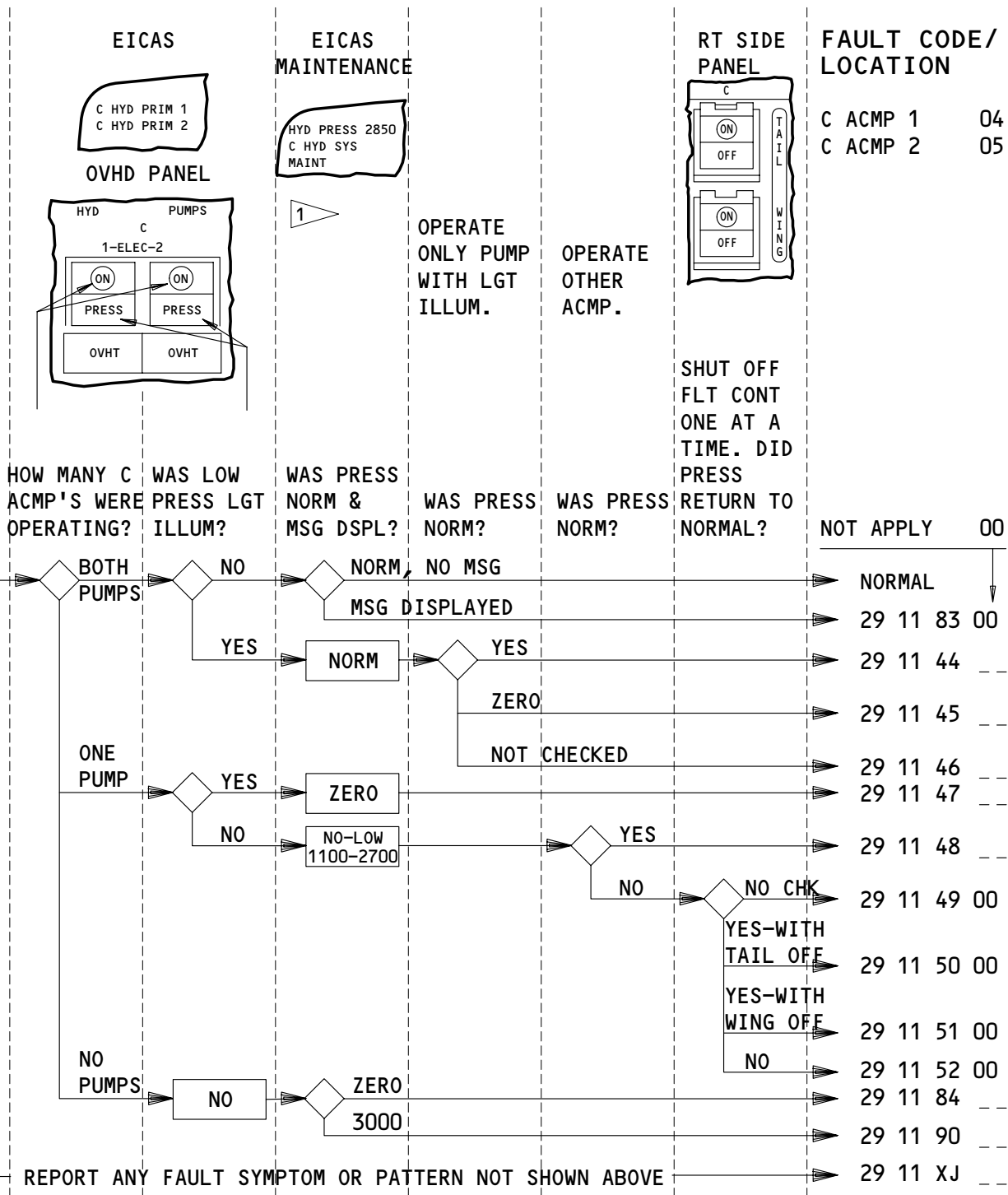
EFFECTIVITY

ALL

## 29-FAULT CODE DIAGRAM

01

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1 EICAS MSG DISPLAYS WITH PRESS LESS THAN 2800 FOR MORE THAN 60 SEC WITH BOTH ENGINES RUNNING.

APPLICABLE CIRCUIT BREAKERS

11L15 ELEC PUMP C1

11L24 ELEC PUMP C2

ACMP (AC MOTOR PUMP) CENTER - FAULT CODES (GROUND)

EFFECTIVITY

ALL

# 29-FAULT CODE DIAGRAM

01

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175974

EICAS MAINTENANCE

(L,R,C) HYD SYS PRESS

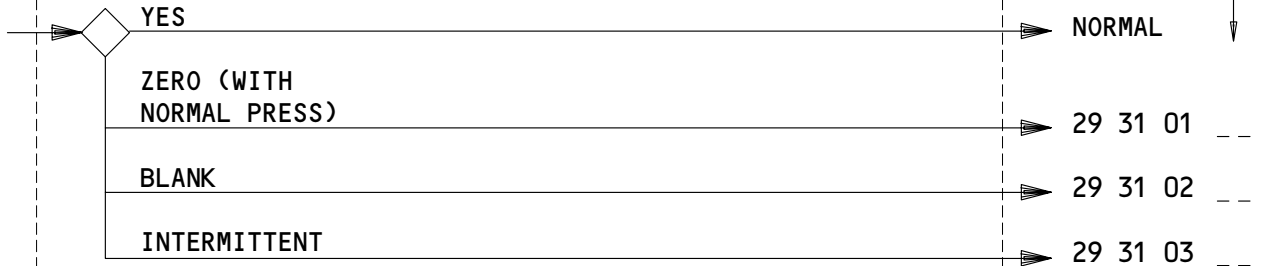
	L	R
HYD PRESS	2950	3000

IS HYD PRESS IND  
NORMAL?

FAULT CODE/  
LOCATION

L	01
R	02
C	03

NOT APPLY 00



REPORT ANY FAULT SYMPTOM OR PATTERN NOT SHOWN ABOVE → 29 31 XA \_ \_

APPLICABLE CIRCUIT BREAKERS

11L17 SYSTEM PRESS L

11L18 SYSTEM PRESS C

11L26 SYSTEM PRESS R

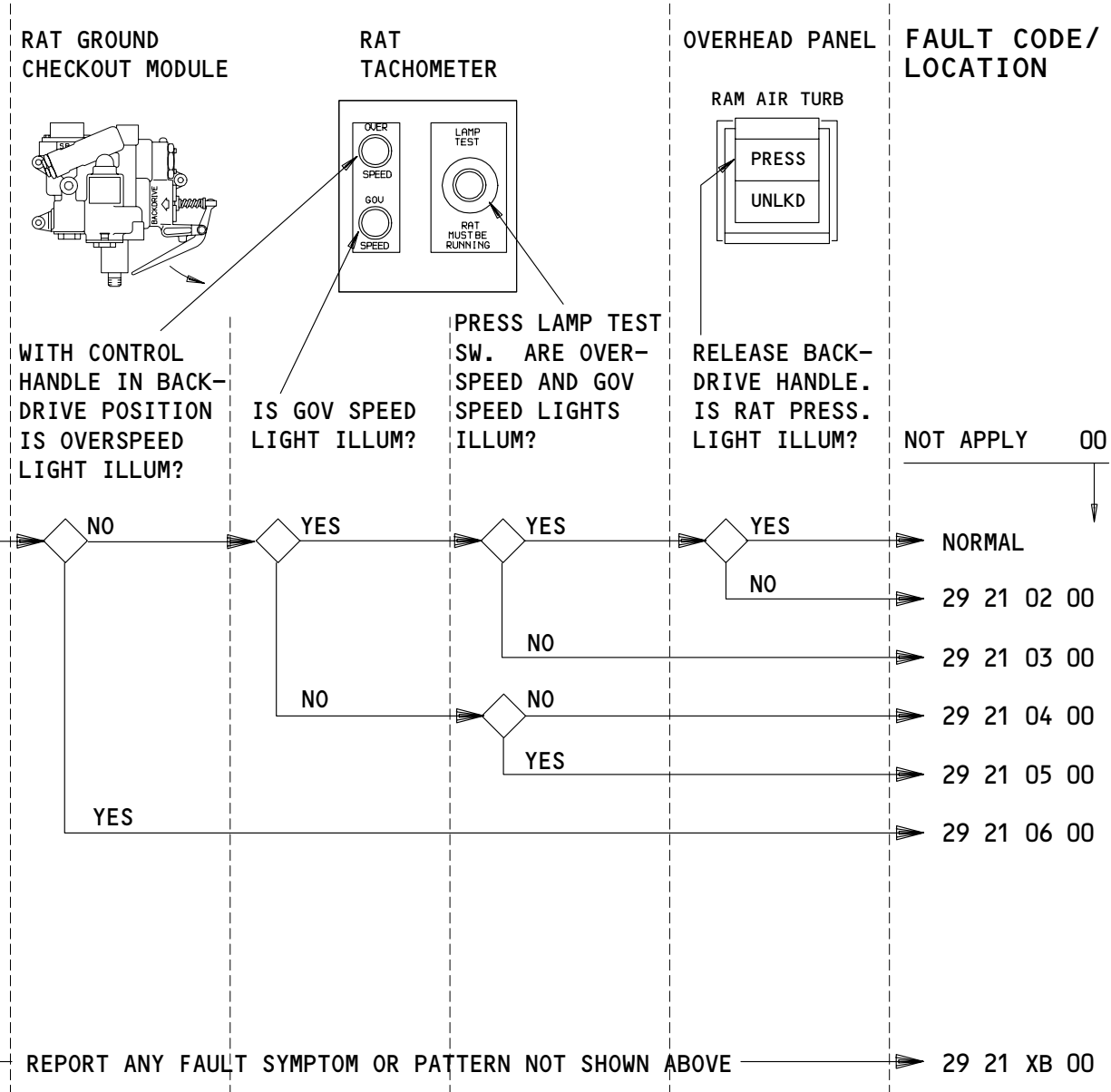
HYDRAULIC INDICATORS – FAULT CODES (GROUND)

EFFECTIVITY

ALL
-----

# 29-FAULT CODE DIAGRAM

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APPLICABLE CIRCUIT BREAKERS

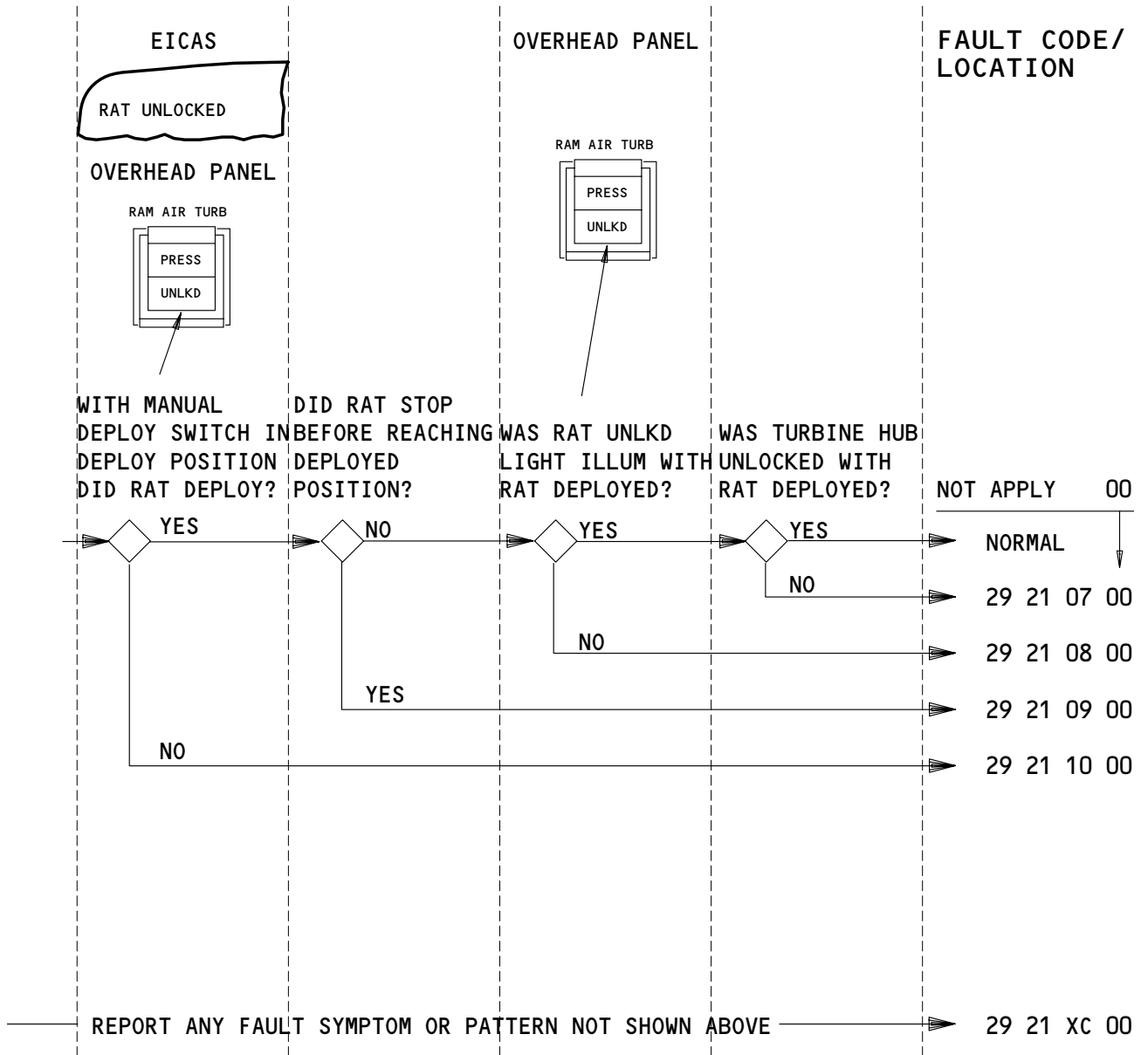
6C1	MAN RAM AIR TURB
6C2	AUTO RAM AIR TURB
6J8	RAM AIR TURBINE PWR

RAT HYD PUMP AND DRIVE SYSTEM - FAULT CODES (GROUND)

EFFECTIVITY

ALL

29-FAULT CODE DIAGRAM



APPLICABLE CIRCUIT BREAKERS

- 6C1 MAN RAM AIR TURB
- 6C2 AUTO RAM AIR TURB
- 6J8 RAM AIR TURBINE PWR

RAT GROUND DEPLOYMENT - FAULT CODES (GROUND)

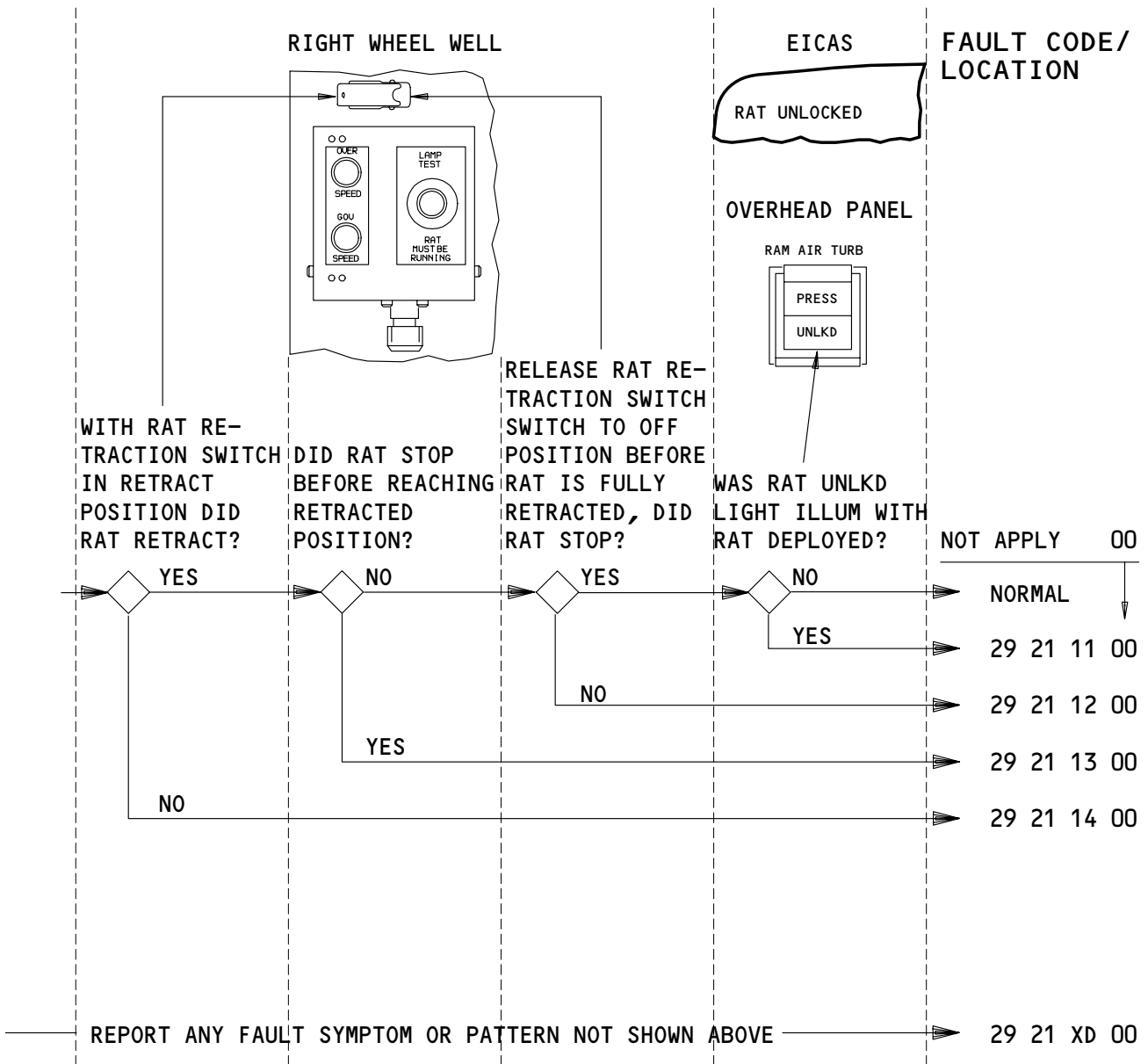
EFFECTIVITY

ALL

# 29-FAULT CODE DIAGRAM

01

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APPLICABLE CIRCUIT BREAKERS

- 6C1    MAN RAM AIR TURB
- 6C2    AUTO RAM AIR TURB
- 6J8    RAM AIR TURBINE PWR

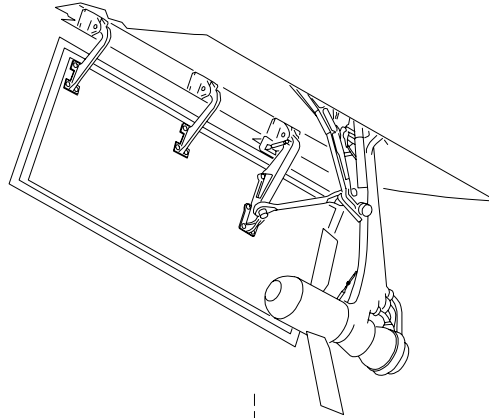
**RAT GROUND RETRACTION – FAULT CODES (GROUND)**

EFFECTIVITY ————  
ALL

**29-FAULT CODE DIAGRAM**

184946

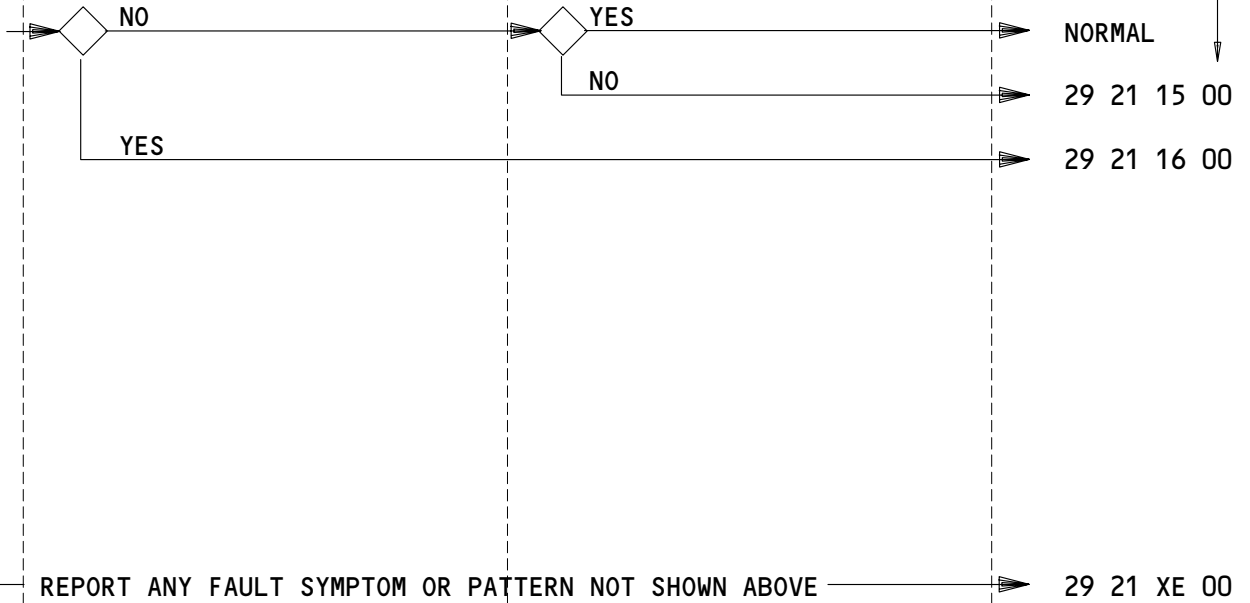
AFT RIGHT WING/BODY FAIRING



FAULT CODE/  
LOCATION

DID RAT DEPLOY WITH AUXILIARY  
PITOT SYSTEM NO.2 PRESSURIZED  
BELOW 80 KNOTS?

DID RAT DEPLOY WITH AUXILIARY  
PITOT SYSTEM NO.2 PRESSURIZED  
ABOVE 80 KNOTS?



APPLICABLE CIRCUIT BREAKERS

- 6C1    MAN RAM AIR TURB
- 6C2    AUTO RAM AIR TURB
- 6J8    RAM AIR TURBINE PWR

RAT AUTO DEPLOYMENT – FAULT CODES (GROUND)

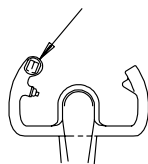
EFFECTIVITY  
ALL

# 29-FAULT CODE DIAGRAM

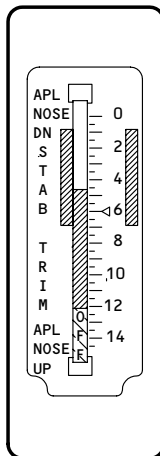
01

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CONTROL WHEEL



CONTROL STAND



FAULT CODE/  
LOCATION

WITH THE STAB TRIM SWITCH ON THE CONTROL WHEEL IN THE APL NOSE UP OR APL NOSE DN POSITION, DID THE STAB TRIM INDICATOR MOVE?

NOT APPLY 00

YES

▶ NORMAL

NO

▶ 29 22 01 00

REPORT ANY FAULT SYMPTOM OR PATTERN NOT SHOWN ABOVE

▶ 29 22 XA 00

APPLICABLE CIRCUIT BREAKERS

11H11 STAB TRIM CONT LEFT

11L10 HYDRAULICS PTU CONT

PITCH ENHANCEMENT SYSTEM (PES) – FAULT CODES (GROUND)

EFFECTIVITY

ALL

# 29-FAULT CODE DIAGRAM

06

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FAULT CODE	1. LOG BOOK REPORT 2. FAULT ISOLATION REFERENCE
29 11 XA --	1. A (01=L, 02=R) EDP (engine-driven pump) problem was encountered by the flight crew which is not covered in the fault code diagrams. (Ref fault code diagram for flight crew actions). 2. SSM 29-00-02
29 11 XB --	1. A (01=L, 02=R) ACMP (AC motor pump) problem was encountered by the flight crew which is not covered in the fault code diagrams. (Ref fault code diagram for flight crew actions). 2. SSM 29-00-02
29 11 XC --	1. A center (04=1, 05=2) ACMP (AC motor pump) problem was encountered by the flight crew which is not covered in the fault code diagrams. (Ref fault code diagram for flight crew actions). 2. SSM 29-00-04
29 11 XD 00	1. An ADP (air-driven pump) problem was encountered by the flight crew which is not covered in the fault code diagrams. (Ref fault code diagram for flight crew actions). 2. SSM 29-00-05
29 11 XE --	1. A (01=L, 02=R, 03=C) hydraulic quantity problem was encountered by the flight crew which is not covered in the fault code diagrams. (Ref fault code diagram for flight crew actions). 2. SSM 29-00-01
29 11 XF --	1. A (01=L, 02=R, 04=C ACMP 1, 05=C ACMP 2) (or ADP) hydraulic overheat problem was encountered by the flight crew which is not covered in the fault code diagrams. (Ref fault code diagram for flight crew actions). 2. SSM 29-00-01

EFFECTIVITY

ALL

## 29-FAULT CODE INDEX

02

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FAULT CODE	1. LOG BOOK REPORT 2. FAULT ISOLATION REFERENCE
29 11 XG --	Not Used
29 11 XH --	1. A (O1=L, O2=R) EDP (engine-driven pump) problem was encountered by the ground crew which is not covered in the fault code diagrams. (Ref fault code diagram for ground crew actions). 2. SSM 29-00-02
29 11 XI --	1. A (O1=L, O2=R) ACMP (AC motor pump) problem was encountered by the ground crew which is not covered in the fault code diagrams. (Ref fault code diagram for ground crew actions). 2. SSM 29-00-02
29 11 XJ --	1. A center (O4=1, O5=2) ACMP (AC motor pump) problem was encountered by the ground crew which is not covered in the fault code diagrams. (Ref fault code diagram for ground crew actions). 2. SSM 29-00-04
29 21 XA 00	1. A RAT (ram air turbine) indicating problem was encountered by the flight crew which is not covered in the fault code diagrams. (Ref fault code diagram for flight crew actions). 2. SSM 29-00-06
29 21 XB 00	1. A RAT hydraulic pump and drive system problem was encountered by the ground crew which is not covered in the fault code diagrams. (Ref fault code diagram for ground crew actions). 2. SSM 29-00-06
29 21 XC 00	1. A RAT ground deployment problem was encountered by the ground crew which is not covered in the fault code diagrams. (Ref fault code diagram for ground crew actions). 2. SSM 29-00-06
29 21 XD 00	1. A RAT ground retraction problem was encountered by the ground crew which is not covered in the fault code diagrams. (Ref fault code diagram for ground crew actions). 2. SSM 29-00-06
29 21 XE 00	1. A RAT auto deployment problem was encountered by the ground crew which is not covered in the fault code diagrams. (Ref fault code diagram for ground crew actions). 2. SSM 29-00-06

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## 29-FAULT CODE INDEX

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FAULT CODE	1. LOG BOOK REPORT 2. FAULT ISOLATION REFERENCE
29 22 XA 00	1. A Pitch Enhancement System (PES) problem was encountered by the ground crew which is not covered in the fault code diagrams. (Ref fault code diagram for ground crew actions). 2. SSM 29-00-08
29 31 XA --	1. A (01=L, 02=R, 03=C, 06=ALL) hydraulic indicating problem was encountered by the ground crew which is not covered in the fault code diagrams. (Ref fault code diagram for ground crew actions). 2. SSM 29-00-07
29 33 XA --	1. A (01=L, 02=R, 03=C, 06=ALL) a hydraulic indicating problem was encountered by the flight crew which is not covered in the fault code diagrams. (Ref fault code diagram for flight crew actions). 2. SSM 29-00-01
29 11 01 --	Not Used
29 11 02 --	1. (01=L, 02=R) EDP failed to depressurize. 2. FIM 29-11-00/101, Fig. 104, Block 1
29 11 03 --	1. (01=L, 02=R) ACMP inop in AUTO or ON mode. 2. FIM 29-11-00/101, Fig. 105, Block 2
29 11 04 --	Not Used
29 11 05 --	Not Used
29 11 06 --	Not Used
29 11 07 --	Not Used
29 11 08 00	1. C ADP inop in AUTO mode, ok with ON selected. 2. FIM 29-11-00/101, Fig. 112, Block 1
29 11 09 00	1. C ADP inop in AUTO or ON mode. 2. FIM 29-11-00/101, Fig. 113, Block 3
29 11 10 --	1. (01=L, 02=R) hyd qty decreased to _____. Qty stable with EDP depressurized and ACMP off. 2. FIM 29-11-00/101, Fig. 114, Block 1

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FAULT CODE	1. LOG BOOK REPORT 2. FAULT ISOLATION REFERENCE
29 11 11 --	1. (O1=L, O2=R) hyd qty decreased to _____. EDP depressurized and ACMP off, qty continued to decrease. 2. FIM 29-11-00/101, Fig. 115, Block 1
29 11 12 --	1. (O1=L, O2=R) hyd qty decreased to zero and system PRESS and QTY lgt illum. EICAS msg (L, R) HYD SYS PRESS and (L, R) HYD QTY displayed. 2. FIM 29-11-00/101, Fig. 116, Block 2
29 11 13 --	1. (O1=L, O2=R) hyd qty zero. EICAS msg (L, R) HYD QTY displayed. System PRESS lgt did not illum. 2. FIM 29-11-00/101, Fig. 116, Block 1
29 11 14 --	1. (O1=L, O2=R) hyd qty zero. EICAS msg (L, R) HYD QTY displayed. Pump press not checked. 2. FIM 29-11-00/101, Fig. 116, Block 1
29 11 15 00	1. C hyd qty decreased to _____. Qty stable with system pumps OFF. 2. FIM 29-11-00/101, Fig. 117, Block 1
29 11 16 00	1. C hyd qty decreased to _____. System depressurized and leak continued. 2. FIM 29-11-00/101, Fig. 118, Block 1
29 11 17 00	1. C hyd qty decreased to zero and system PRESS and QTY lgt illum. EICAS msg C HYD SYS PRESS and C HYD QTY displayed. 2. FIM 29-11-00/101, Fig. 119, Block 2
29 11 18 00	1. C hyd qty zero. EICAS msg C HYD QTY displayed. System PRESS lgt did not illum. 2. FIM 29-11-00/101, Fig. 119, Block 1
29 11 19 00	1. C hyd qty zero. EICAS msg C HYD QTY displayed. System press not checked. 2. FIM 29-11-00/101, Fig. 119, Block 1
29 11 20 --	1. (O1=L, O2=R) EDP hyd OVHT lgt illum. EICAS msg (L, R) PRIM HYD OVHT displayed. Pump was deactivated and msg and lgt extin. 2. FIM 29-11-00/101, Fig. 120, Block 2

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FAULT CODE	1. LOG BOOK REPORT 2. FAULT ISOLATION REFERENCE
29 11 21 --	1. (04=C ACMP 1, 05=C ACMP 2) prim elec hyd OVHT lgt illum. EICAS msg C HYD (1, 2) OVHT displayed. Pump was deactivated and msg and lgt extin. 2. FIM 29-11-00/101, Fig. 123, Block 3
29 11 22 00	1. C ADP hyd OVHT lgt illum. EICAS msg C DEM HYD OVHT displayed. Pump was deactivated and msg and lgt extin. 2. FIM 29-11-00/101, Fig. 121, Block 2
29 11 23 --	1. (01=L, 02=R) dem elec hyd OVHT lgt illum. EICAS msg (L, R) DEM HYD OVHT displayed. Pump was deactivated and msg and lgt extin. 2. FIM 29-11-00/101, Fig. 122, Block 3
29 11 24 --	1. (01=L, 02=R) EDP hyd press zero. 2. FIM 29-11-00/101, Fig. 104A, Block 2
29 11 25 --	1. (01=L, 02=R) EDP hyd press low _____ psi. Low PRESS light illum. and EICAS MSG displayed: (L, R) HYD PRIM PUMP. 2. FIM 29-11-00/101, Fig. 104, Block 1
29 11 26 --	1. (01=L, 02=R) EDP hyd low PRESS, SYS PRESS & DEMAND PRESS light illum and EICAS MSG displayed: (L, R) HYD PRIM PUMP. EDP press was normal. 2. Replace the pressure switch, S26 (S31), for the left (right) engine-driven pump (EDP) (AMM 29-11-17/401).
29 11 27 --	1. (01=L, 02=R) Hyd press reads high (_____ psi) with EDP or ACMP operating. 2. Replace the pressure transmitter, M341 (M343), for the left (right) hydraulic system (AMM 29-31-01/401).
29 11 28 --	1. (01=L, 02=R) EDP hyd press high (_____ psi). Press norm with ACMP operating. 2. Replace the engine-driven pump (EDP) in the left (right) hydraulic system (AMM 29-11-05/401).
29 11 29 --	1. (01=L, 02=R) Hyd press reads low _____ psi with EDP or ACMP pump operating. EICAS msg (L,R) HYD SYS MAINT (was, was not) displayed. 2. Replace the pressure transmitter, M341 (M343), in the left (right) hydraulic system (AMM 29-31-01/401).

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29 11 30 --	1. (01=L, 02=R) EDP hyd press low (_____ psi). Press norm with ACMP operating. EICAS msg (L,R) HYD SYS MAINT (was, was not) displayed. 2. FIM 29-11-00/101, Fig. 103, Block 1
29 11 31 --	1. (01=L, 02=R) Hyd press fluctuates during EDP or ACMP operation. 2. Replace the pressure transmitter, M341 (M343), in the left (right) hydraulic system (AMM 29-31-01/401).
29 11 32 --	1. (01=L, 02=R) Hyd press fluctuates during EDP operation. 2. FIM 29-11-00/101, Fig. 103, Block 1
29 11 33 --	1. (01=L, 02=R) ACMP low PRESS light illum. EICAS MSG displayed: (L, R) HYD DEM PUMP. ACMP press norm. 2. Replace the pressure switch, S25 (S30), for the alternating current motor pump (ACMP) in the left (right) hydraulic system (AMM 29-11-18/401).
29 11 34 --	1. (01=L, 02=R) ACMP low PRESS light illum. and EICAS MSG displayed: (L, R) HYD DEM PUMP in AUTO or ON mode. 2. FIM 29-11-00/101, Fig. 105, Block 1
29 11 35 --	1. (01=L, 02=R) ACMP low PRESS light illum and EICAS MSG displayed: (L, R) HYD DEM PUMP in AUTO mode. OK in ON mode. 2. FIM 29-11-00/101, Fig. 108, Block 1
29 11 36 --	1. (01=L, 02=R) ACMP press above norm _____ psi. 2. FIM 29-11-00/101, Fig. 106, Block 1
29 11 37 --	1. (01=L, 02=R) ACMP press low. 2. FIM 29-11-00/101, Fig. 107, Block 1
29 11 38 --	1. (01=L, 02=R) ACMP press low. Press OK with tail hyd shutoff valve closed. 2. Do the internal leakage check for the left (right) hydraulic system (AMM 29-11-00/601).
29 11 39 --	1. (01=L, 02=R) ACMP press low. Press OK with wing hyd shutoff valve closed. 2. Do the internal leakage check for the left (right) hydraulic system (AMM 29-11-00/601).

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29 11 40 --	1. (O1=L, O2=R) ACMP press low. Press still low with wing and tail hyd shutoff valves closed. 2. FIM 29-11-00/101, Fig. 107, Block 2
29 11 41 --	1. (O1=L, O2=R) ACMP low PRESS light illum and EICAS MSG displayed: (L, R) HYD DEM PUMP. ACMP press norm. 2. Replace the pressure switch, S25 (S30), for the alternating current motor pump (ACMP) in the left (right) hydraulic system (AMM 29-11-18/401).
29 11 42 --	1. (O1=L, O2=R) ACMP low PRESS light illum and EICAS MSG displayed: (L, R) HYD DEM PUMP in AUTO mode. OK in ON mode. 2. FIM 29-11-00/101, Fig. 108, Block 1
29 11 43 --	1. (O1=L, O2=R) ACMP inop in AUTO or ON mode. 2. FIM 29-11-00/101, Fig. 105, Block 2
29 11 44 --	1. (O4=1, O5=2) C ACMP low PRESS light illum. EICAS MSG displayed: C HYD PRIM (1, 2). Pump press is normal. 2. Replace the pressure switch, S33 (S34), for the alternating current motor pump (ACMP) C1 (C2) in the center hydraulic system (AMM 29-11-18/401).
29 11 45 --	1. (O1=1, O2=2) C ACMP press is zero. 2. FIM 29-11-00/101, Fig. 109, Block 2
29 11 46 --	1. (O1=1, O2=2) C ACMP low PRESS light illum. EICAS MSG displayed: C HYD PRIM (1, 2). Pump press not checked. 2. FIM 29-11-00/101, Fig. 109, Block 1
29 11 47 --	1. (O1=1, O2=2) C ACMP press is zero. EICAS msg C HYD SYS MAINT (is, is not) displayed. 2. FIM 29-11-00/101, Fig. 109, Block 2
29 11 48 --	1. (O1=1, O2=2) C ACMP press low. EICAS msg C HYD SYS MAINT (is, is not) displayed. Press norm when using other ACMP. 2. FIM 29-11-00/101, Fig. 110, Block 1
29 11 49 00	1. C hyd press low when operating on either ACMP. EICAS msg C HYD SYS MAINT (is, is not) displayed. 2. FIM 29-11-00/101, Fig. 111, Block 1

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FAULT CODE	1. LOG BOOK REPORT 2. FAULT ISOLATION REFERENCE
29 11 50 00	1. C hyd press low with one pump operating. EICAS msg C HYD SYS MAINT (is, is not) displayed. Press OK with Tail Hyd Shutoff Valve closed. Press _____ psi. 2. Do the internal leakage check for the center hydraulic system (AMM 29-11-00/601).
29 11 51 00	1. C hyd press low with one pump operating. EICAS msg C HYD SYS MAINT (is, is not) displayed. Press OK with Wing Hyd Shutoff Valve closed. Press _____ psi. 2. Do the internal leakage check for the center hydraulic system (AMM 29-11-00/601).
29 11 52 00	1. C hyd press low with one pump operating. EICAS msg C HYD SYS MAINT (is, is not) displayed. Press did not return to normal when Flight Control Hyd Shutoff valves closed. 2. Do the internal leakage check for the center hydraulic system (AMM 29-11-00/601).
29 11 53 00	1. C ADP inop in AUTO mode. 2. FIM 29-11-00/101, Fig. 112, Block 1
29 11 54 00	1. C ADP Low PRESS light illum in AUTO. EICAS MSG displayed: C HYD DEM PUMP. ADP press is normal. 2. FIM 29-11-00/101, Fig. 138, Block 1
29 11 55 00	1. C ADP Low PRESS light illum in AUTO mode, ON mode not checked. 2. FIM 29-11-00/101, Fig. 113, Block 1
29 11 56 -- thru 29 11 60 -- 29 11 61 00	Not Used.  1. EICAS msg C HYD SYS MAINT displayed (Ref Chapter 31 for fault code diagram). 2. FIM 29-11-00/101, Fig. 125, Block 1
29 11 62 00	1. EICAS msg L HYD SYS MAINT displayed (Ref Chapter 31 for fault code diagram). 2. FIM 29-11-00/101, Fig. 124, Block 1
29 11 63 00	1. EICAS msg R HYD SYS MAINT displayed (Ref Chapter 31 for fault code diagram). 2. FIM 29-11-00/101, Fig. 124, Block 1

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FAULT CODE	1. LOG BOOK REPORT 2. FAULT ISOLATION REFERENCE
29 11 64 00	1. EICAS msg RSV BRAKE VAL did not display and reserve brake & steering sw ON lgt fails to illum with switch pressed ON (Ref Chapter 32 for fault code diagram). 2. FIM 29-11-00/101, Fig. 126, Block 1
29 11 65 00	1. EICAS msg RSV BRAKE VAL displayed and reserve brake & steering sw VALVE and ISLN lgts illum with sw (ON, OFF) (Ref Chapter 32 for fault code diagram). 2. FIM 29-11-00/101, Fig. 127, Block 1
29 11 66 --	Not Used
29 11 67 --	1. (01=L, 02=R, 03=C) hyd qty increased to ____ with a decrease in (C, R) hyd qty. 2. FIM 29-11-00/101, Fig. 128, Block 1
29 11 68 --	1. (01=L, 02=R, 03=C) hyd qty increased to ____ with no change in other hyd qtys. 2. Replace the hydraulic fluid quantity monitor unit, M122, on the electronic rack, E2-4 (AMM 29-33-01/401). If the problem continues, replace the hydraulic quantity transmitter, M340 (M338, M339), on the reservoir in the left (right, center) hydraulic system (AMM 29-33-02/401).
29 11 69 --	1. (01=L, 02=R) EDP hyd low PRESS light did not illum or EICAS msg (L, R) HYD PRIM PUMP display with engine not running. 2. Replace the pressure switch, S26 (S31), for the engine-driven pump (EDP) in the left (right) hydraulic system (AMM 29-11-17/401).
29 11 70 --	1. (04=1, 05=2) C ACMP LOW PRESS light did not illum or EICAS msg C HYD PRIM (1, 2) display with sw OFF. Pump was off. 2. Replace the pressure switch, S33 (S34), for the alternating current motor pump (ACMP) C1 (C2) in the center hydraulic system (AMM 29-11-18/401).
29 11 71 00	1. C ADP Low PRESS lgt did not illum and EICAS msg C HYD DEM PUMP did not display with sw OFF. 2. FIM 29-11-00/101, Fig. 131, Block 1
29 11 72 --	Not Used
29 11 73 --	1. EICAS msg (01=L, 02=R) HYD SYS MAINT displayed. Hyd press normal. 2. FIM 29-11-00/101, Fig. 124, Block 1

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FAULT CODE	1. LOG BOOK REPORT 2. FAULT ISOLATION REFERENCE
29 11 74 00	1. EICAS msg C HYD SYS MAINT displayed. Hyd press normal. 2. FIM 29-11-00/101, Fig. 125, Block 1
29 11 75 --	1. (01=L, 02=R) EDP hyd OVHT lgt illum. EICAS msg (L,R) PRIM HYD OVHT displayed. Pump was deactivated but lgt and msg remained. 2. FIM 29-11-00/101, Fig. 120, Block 1
29 11 76 --	1. (01=L, 02=R) dem elec hyd OVHT lgt illum. EICAS msg (L,R) DEM HYD OVHT displayed. Pump was deactivated but lgt and msg remained. 2. FIM 29-11-00/101, Fig. 122, Block 1
29 11 77 --	1. (04=C ACMP 1, 05=C ACMP C2) prim elec hyd OVHT lgt illum. EICAS msg C HYD (1,2) OVHT displayed. Pump was deactivated but lgt and msg remained. 2. FIM 29-11-00/101, Fig. 123, Block 1
29 11 78 00	1. C ADP hyd OVHT lgt illum. EICAS msg C DEM HYD OVHT displayed. Pump was deactivated but lgt and msg remained. 2. FIM 29-11-00/101, Fig. 121, Block 1
29 11 79 00	1. C ADP inop with ON selected. AUTO mode not checked. 2. FIM 29-11-00/101, Fig. 132, Block 1
29 11 80 --	1. (01=L, 02=R) EDP failed to depressurize. 2. FIM 29-11-00/101, Fig. 104 or Fig.105, Block 1
29 11 81 --	1. (01=L, 02=R) EDP hyd low PRESS light did not illum or EICAS msg (L, R) HYD PRIM PUMP display with engine not running. 2. Replace the pressure switch, S26 (S31), for the engine-driven pump (EDP) in the left (right) hydraulic system (AMM 29-11-17/401).

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FAULT CODE	1. LOG BOOK REPORT 2. FAULT ISOLATION REFERENCE
29 11 82 --	1. (01=L, 02=R) ACMP inop in AUTO or MAN mode. 2. FIM 29-11-00/101, Fig. 105 or Fig. 106, Block 1
29 11 83 --	1. EICAS msg C HYD SYS MAINT displayed. Hyd sys normal. 2. FIM 29-11-00/101, Fig. 122 or Fig. 125, Block 1
29 11 84 --	1. (04=1, 05=2) C ACMP LOW PRESS light did not illum or EICAS msg C HYD PRIM (1, 2) display with sw OFF. Pump was off. 2. Replace the pressure switch, S33 (S34), for the alternating current motor pump (ACMP) C1 (C2) in the center hydraulic system (AMM 29-11-18/401).
29 11 88 --	1. (01=L, 02=R) ACMP low PRESS light extin with pump off. 2. FIM 29-11-00/101, Fig. 133, Block 5
29 11 89 --	1. (01=L, 02=R) ACMP continues to run with pump sw off. 2. FIM 29-11-00/101, Fig. 133, Block 2
29 11 90 --	1. C ACMP (04=1, 05=2) continues to run with sw OFF. 2. FIM 29-11-00/101, Fig. 134, Block 2
29 11 91 00	1. C ADP cycles on and off in AUTO mode. 2. FIM 29-11-00/101, Fig. 135, Block 1
29 11 92 00	1. C ADP continues to run in AUTO mode. 2. FIM 29-11-00/101, Fig. 136, Block 1
29 11 93 --	1. C ACMP (04=1, 05=2) switch (is defective, lgt inop, etc.) (describe). 2. Replace the lamp in the switch/light, YCYS2 (YCYS3), for the alternating current motor pump (ACMP) C1 (C2) on the hydraulic control panel, M10 (AMM 33-13-00/201). If the problem continues, replace the switch/light, YCYS2 (YCYS3), for the alternating current motor pump (ACMP) C1 (C2) on the hydraulic control panel, M10 (AMM 33-13-00/201) (WDM 29-11-31).

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FAULT CODE	1. LOG BOOK REPORT 2. FAULT ISOLATION REFERENCE
29 11 94 --	1. (O1=L, O2=R) EDP switch (was defective, lgt inop, etc.) (describe). 2. Replace the lamp in the switch/light, YCYS1 (YCYS4), for the engine-driven pump (EDP), in the left (right) hydraulic system, on the hydraulic control panel, M10 (AMM 33-13-00/201). If the problem continues, replace the switch/light, YCYS1 (YCYS4), on the hydraulic control panel, M10 (AMM 33-13-00/201) (WDM 29-11-11, WDM 29-11-21).
29 21 01 00	1. RAT UNLKD lite illum. RAT PRESS lgt extin. EICAS msg displayed: RAT UNLOCKED. 2. Adjust or replace the uplimit switch, S369, for the ram air turbine (RAT) (AMM 29-21-17/201).
29 21 02 00	1. Ram air turbine PRESS light did not illum when back-drive control handle is released. 2. FIM 29-21-00/101, Fig. 103, Block 1
29 21 03 00	1. Ram air turbine tachometer OVERSPEED light not illum. GOV SPEED light illum. OVERSPEED light remains off with LAMP TEST switch ON. 2. Replace the tachometer, N72, for the ram air turbine (RAT) (AMM 29-21-16/401).
29 21 04 00	1. Ram air turbine tachometer OVERSPEED and GOV SPEED lights did not illum during RAT back-drive. Lights remain off with LAMP TEST switch ON. 2. FIM 29-21-00/101, Fig. 105, Block 1
29 21 05 00	1. Ram air turbine tachometer OVERSPEED and GOV SPEED lights did not illum during RAT back-drive. Lights illum with LAMP TEST switch ON. 2. FIM 29-21-00/101, Fig. 105, Block 2

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FAULT CODE	1. LOG BOOK REPORT 2. FAULT ISOLATION REFERENCE
29 21 06 00	1. Ram air turbine tachometer OVERSPEED light illum during RAT back-drive. 2. Replace the hub on the ram air turbine (AMM 29-21-01/401).
29 21 07 00	1. Ram air turbine hub did not unlock when RAT deployed. 2. FIM 29-21-00/101, Fig. 104, Block 1
29 21 08 00	1. Ram air turbine UNLKD light did not illuminate with RAT deployed. 2. Adjust or replace the uplimit switch, S369, for the ram air turbine (AMM 29-21-10/401).
29 21 09 00	1. Ram air turbine did not fully deploy. 2. FIM 29-21-00/101, Fig. 106, Block 1
29 21 10 00	1. Ram air turbine did not deploy with manual deploy switch in deploy position. RAT UNLKD light did not illuminate. EICAS message RAT UNLOCKED was not displayed. 2. FIM 29-21-00/101, Fig. 106, Block 1
29 21 11 00	1. Ram air turbine UNLKD light was illuminated with RAT retracted. EICAS message RAT UNLOCKED was displayed. 2. FIM 29-21-00/101, Fig. 107, Block 1
29 21 12 00	1. Ram air turbine did not stop retracting with retraction switch in OFF position. 2. FIM 29-21-00/101, Fig. 108, Block 1
29 21 13 00	1. Ram air turbine did not fully retract. 2. FIM 29-21-00/101, Fig. 110, Block 1

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29 21 14 00	1. Ram air turbine did not retract with retraction switch in RETRACT position. 2. FIM 29-21-00/101, Fig. 109, Block 1
29 21 15 00	1. Ram air turbine did not deploy when auxiliary pitot system No. 2 was pressurized above 80 knots. 2. FIM 29-21-00/101, Fig. 111, Block 1
29 21 16 00	1. Ram air turbine deployed when auxiliary pitot system No. 2 was pressurized below 80 knots. 2. FIM 29-21-00/101, Fig. 112, Block 1
29 22 01 00	1. The pitch enhancement system (PES) does not operate the stabilizer trim. 2. FIM 29-22-00/101, Fig. 103, Block 1
29 31 01 --	1. (01=L, 02=R, 03=C) Hyd press reads zero with normal press. EICAS msg (L, R) HYD SYS PRESS displayed. 2. Replace the pressure transmitter, M341 (M343, M342) in the left (right, center) hydraulic system (AMM 29-31-01/401).
29 31 02 --	1. (01=L, 02=R, 03=C) Hyd press indication is blank. 2. Replace the pressure transmitter, M341 (M343, M342) in the left (right, center) hydraulic system (AMM 29-31-01/401).
29 31 03 --	1. (01=L, 02=R, 03=C) Hyd press indication is intermittent. 2. Replace the pressure transmitter, M341 (M343, M342) in the left (right, center) hydraulic system (AMM 29-31-01/401).
29 33 01 --	1. (01=L, 02=R, 03=C) hyd QTY light illum. Qty reads normal. EICAS msg displayed: (L, R, C) HYD QTY. 2. Replace the hydraulic fluid quantity monitor unit, M122 (AMM 29-33-01/401). Push the ELEC/HYD and the AUTO-EVENT read switches on the EICAS MAINT panel, on the P61 panel. Push and hold the ERASE switch for 3 seconds. Make sure the (L, R, C) HYD QTY message does not show on the EICAS display.
29 33 02 --	1. (01=L, 02=R, 03=C) hyd QTY lgt failed to illum with qty below 1/2 tank. 2. Replace the hydraulic fluid quantity monitor unit, M122 (AMM 29-33-01/401)

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FAULT CODE	1. LOG BOOK REPORT 2. FAULT ISOLATION REFERENCE
29 33 03 --	1. (01=L, 02=R, 03=C) hyd qty reads zero, hyd QTY lgt illum. EICAS msg displayed: (L, R, C) HYD QTY. Hydraulic low PRESS lgt is extin. 2. Replace the hydraulic fluid quantity monitor unit, M122 (AMM 29-33-01/401). If the problem continues, replace the fluid quantity transmitter, M340 (M338, M339), in the left (right, center) hydraulic system (AMM 29-33-02/401). Push the ELEC/HYD and the AUTO-EVENT read switches on the EICAS MAINT panel, on the P61 panel. Push and hold the ERASE switch for 3 seconds. Make sure the (L, R, C) HYD QTY message does not show on the EICAS display.
29 33 04 --	1. (01=L, 02=R, 03=C) hyd qty display is blank. 2. Inspect the system wiring for loose connections and/or chafed wiring (WDM 29-33-11). 3. Replace the hydraulic fluid quantity monitor unit, M122 (AMM 29-33-01/401).
29 33 05 --	1. (01=L, 02=R, 03=C, 06=ALL) hyd qty display is intermittent. 2. Inspect the system wiring for loose connections and/or chafed wiring (WDM 29-33-11). 3. Replace the hydraulic fluid quantity monitor unit, M122 (AMM 29-33-01/401). If the problem continues, replace the fluid quantity transmitter, M340 (M338, M339), in the left (right, center) hydraulic system (AMM 29-33-02/401).
29 33 06 --	1. (01=L, 02=R, 03=C) hyd qty reads above 1.22. 2. FIM 29-11-00/101, Fig. 129, Block 1
29 33 07 --	1. (01=L, 02=R, 03=C) hyd qty reads ___ RF. 2. FIM 29-11-00/101, Fig. 130, Block 1
29 33 08 00	1. EICAS msg C HYD QTY 0/FULL displayed (Ref Chapter 31 for fault code diagram). 2. FIM 29-11-00/101, Fig. 129, Block 1
29 33 09 00	1. EICAS msg L HYD QTY 0/FULL displayed (Ref Chapter 31 for fault code diagram). 2. FIM 29-11-00/101, Fig. 129, Block 1
29 33 10 00	1. EICAS msg R HYD QTY 0/FULL displayed (Ref Chapter 31 for fault code diagram). 2. FIM 29-11-00/101, Fig. 129, Block 1

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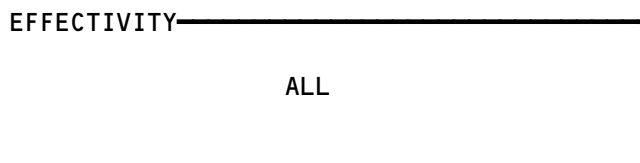
**BITE Index**

1. General

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

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Air Supply Control and Test Unit	ASCTU	36-20
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APU Control Unit (or Electronic Control Unit)	ECU	49-11
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Auxiliary Zone Temperature Controller	AZTC	2160/21-61
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Figure 1 (Sheet 1)



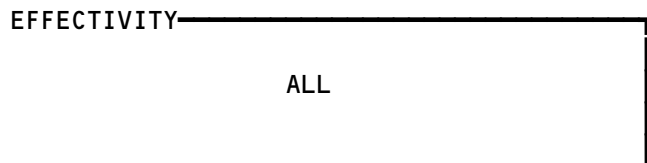
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Passenger Entertainment System	PES	23-34
Power Supply Module (Control System Electronics Units)	PSM	27-09
Propulsion Interface and Monitor Unit (FADEC Engines)	PIMU	71-PIMU Message Index
Proximity Switch Electronics Unit	PSEU	32-09

Bite Index  
Figure 1 (Sheet 2)



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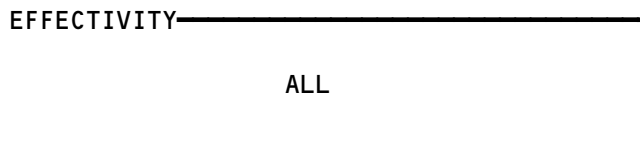
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<u>LRU/System Name</u>	<u>Acronym</u>	<u>FIM Reference</u>
Radio Altimeter Transmitter/Receiver	RA	34-33
Rudder Ratio Changer Module	RRCM	27-09
Satellite Data Unit	SDU	23-25
Spoiler Control Module	SCM	27-09
Stabilizer Trim/Elevator Asymmetry Limit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

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MAIN (LEFT, RIGHT, AND CENTER) HYDRAULIC SYSTEMS

COMPONENT	FIG. 102 SHT	QTY	ACCESS/AREA	REFERENCE				
BREAKER - L BUS TIE, C902 (REF 24-22-00, FIG. 101)	11	1	119AL, MAIN EQUIP CTR, P50	29-11-69				
BREAKER - R BUS TIE, C904 (REF 24-22-00, FIG. 101)								
CARD - SYS C ADP OVERSPEED, M1057								
CIRCUIT BREAKER - LEFT GENERATOR, C901 (REF 24-22-00, FIG. 101)								
CIRCUIT BREAKER - RIGHT GENERATOR, C903 (REF 24-22-00, FIG. 101)								
CIRCUIT BREAKERS								
BRAKE PRESS, C1180					1	11U13	*	
FLIGHT CONTROL SHUTOFF TAIL - C, C1013					1	11H18	*	
FLIGHT CONTROL SHUTOFF TAIL - L, C1011					1	11H17	*	
FLIGHT CONTROL SHUTOFF TAIL - R, C1012					1	11H27	*	
HYDRAULIC AIR PUMP, C1099					1	11D31	*	
HYDRAULIC ELEC PUMP C1, C1085					1	11L15	*	
HYDRAULIC ELEC PUMP C2, C1086					1	11L24	*	
HYDRAULIC ELEC PUMP L, C1084					1	11L25	*	
HYDRAULIC ELEC PUMP R, C1087					1	11L16	*	
HYDRAULIC L ENG PUMP DEPRESS, C1095					1	11L14	*	
HYDRAULIC R ENG PUMP DEPRESS, C1096					1	11L23	*	
HYDRAULIC ENG PUMP SUPPLY L, C1097					1	11D29	*	
HYDRAULIC ENG PUMP SUPPLY R, C1098					1	11D30	*	
HYDRAULIC QTY, C1101					1	11L20	*	
HYDRAULIC SYSTEM PRESS - C, C1082					1	11L18	*	
HYDRAULIC SYSTEM PRESS - L, C1080					1	11L17	*	
HYDRAULIC SYSTEM PRESS - R, C1081					1	11L26	*	
LIGHTING - INSTRUMENT & PANEL - CAPT, C1237					1	11P2	*	
WING FLT CONTROL SHUTOFF - C, C1016					1	11H16	*	
WING FLT CONTROL SHUTOFF - L, C1014					1	11H14	*	
WING FLT CONTROL SHUTOFF - R, C1015					1	11H26	*	
COMPUTER - EICAS L, M10181 (REF 31-41-00, FIG. 101)					7	1	149BL, KEEL BEAM	29-11-00
COMPUTER - EICAS R, M10182 (REF 31-41-00, FIG. 101)								
CONNECTION - SYS C HYDRAULIC GROUND POWER PRESSURE	7	1	149BL, KEEL BEAM	29-11-00				
CONNECTION - SYS L HYDRAULIC GROUND POWER PRESSURE	5	1	437BL, 437BR, LEFT ENGINE STRUT, EDP PRESS/CASE DRAIN FILTER MODULE	29-11-00				
CONNECTION - SYS R HYDRAULIC GROUND POWER PRESSURE	5	1	447BL, 447BR, RIGHT ENGINE STRUT, EDP PRESS/CASE DRAIN FILTER MODULE	29-11-00				
CONNECTION - SYS C HYDRAULIC GROUND POWER RETURN	7	1	149BL, KEEL BEAM	29-11-00				
CONNECTION - SYS L HYDRAULIC GROUND POWER RETURN	5	1	437BL, 437BR, LEFT ENGINE STRUT, RETURN FILTER MODULE	29-11-00				

\* SEE WM EQUIPMENT LIST

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 Figure 101 (Sheet 1)

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COMPONENT	FIG. 102 SHT	QTY	ACCESS/AREA	REFERENCE
CONNECTION - SYS R HYDRAULIC GROUND POWER RETURN	5	1	447BL,447BR, RIGHT ENGINE STRUT, RETURN FILTER MODULE, EDP PRESS/CASE DRAIN FILTER MODULE	29-11-00
DIODE - SYS C, R276	14	1	119AL, MAIN EQUIP CTR, E1-2	*
DIODE - (REF 31-01-36, FIG. 101) SYS C, R22,R28,R132,R163,R164				
DIODE - (REF 31-01-37, FIG. 101) SYS L, R42,R160,R174,R246 SYS R, R43				
DIODE - (REF 31-01-33, FIG. 101) SYS L, R45 SYS R, R44,R68,R162,R175,R247				
DIODE - (REF 27-88-00, FIG. 101) SYS R ISOLATION, R176				
EXCHANGER - SYSTEM C HEAT	6	1	632BB RIGHT WING	29-11-27
EXCHANGER - SYSTEM L HEAT	6	1	532BB LEFT WING	29-11-27
EXCHANGER - SYSTEM R HEAT	6	1	632BB RIGHT WING	29-11-27
LIGHT - ADP CONTINUOUS SOLENOID DE-ENERGIZED INDICATOR, DS1	11	1	119AL, MAIN EQUIP CTR, P50, ADP OVERSPEED CARD, M1057	29-11-69
LIGHT - ADP DEMAND SOLENOID DE-ENERGIZED INDICATOR, DS2	11	1	119AL, MAIN EQUIP CTR, P50, ADP OVERSPEED CARD, M1057	29-11-69
LIGHT - POWER SUPPLY INDICATOR, DS3	11	1	119AL, MAIN EQUIP CTR, P50, ADP OVERSPEED CARD, M1057	29-11-69
MODULE - ADP PRESS/CASE DRAIN FILTER	7	1	LEFT WHEEL WELL	29-11-19
MODULE - SYS C ACMP C1,C2 PRESS/CASE DRAIN FILTER	8	2	RIGHT WHEEL WELL	29-11-18
MODULE - SYS C RESERVOIR PRESSURIZATION	8	1	RIGHT WHEEL WELL	29-11-26
MODULE - SYS C RETURN FILTER	8	1	RIGHT WHEEL WELL	29-11-16
MODULE - SYS L ACMP PRESS/CASE DRAIN FILTER	2	1	437BL,437BR, LEFT ENGINE STRUT	29-11-18
MODULE - SYS L EDP PRESS/CASE DRAIN FILTER	2	1	437BL,437BR, LEFT ENGINE STRUT	29-11-17
MODULE - SYS L RESERVOIR PRESSURIZATION	2	1	437BL,437BR, LEFT ENGINE STRUT	29-11-25
MODULE - SYS L RETURN FILTER	2	1	437BL,437BR, LEFT ENGINE STRUT	29-11-15
MODULE - SYS R ACMP PRESS/CASE DRAIN FILTER	2	1	447BL,447BR, RIGHT ENGINE STRUT	29-11-18
MODULE - SYS R EDP PRESS/CASE DRAIN FILTER	2	1	447BL,447BR, RIGHT ENGINE STRUT	29-11-17
MODULE - SYS R RESERVOIR PRESSURIZATION	2	1	447BL,447BR, RIGHT ENGINE STRUT	29-11-25
MODULE - SYS R RETURN FILTER	2	1	447BL,447BR, RIGHT ENGINE STRUT	29-11-15
PANEL - (REF 26-21-00, FIG. 101) FIRE CONTROL, M10443				
PANEL - HYDRAULIC CONTROL, M10	1	1	FLT COMPT, P5	29-11-00
PANEL - RESERVE BRAKES AND STEERING, M1216	1	1	FLT COMPT, P61	29-11-00
PUMP (ACMP) - SYS C ALTERNATING CURRENT MOTOR C1, M232	8	1	RIGHT WHEEL WELL	29-11-02
PUMP (ACMP) - SYS C ALTERNATING CURRENT MOTOR C2, M233	8	1	RIGHT WHEEL WELL	29-11-02
PUMP (ACMP) - SYS L ALTERNATING CURRENT MOTOR, M231	2	1	437BL,437BR, LEFT ENGINE STRUT	29-11-01

\* SEE WM EQUIPMENT LIST

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COMPONENT	FIG. 102 SHT	QTY	ACCESS/AREA	REFERENCE
PUMP (ACMP) - SYS R ALTERNATING CURRENT MOTOR, M234	2	1	447BL,447BR, LEFT ENGINE STRUT	29-11-01
PUMP (ADP) - SYS C AIR DRIVEN, M235	5	1	195RL,195SL, AFT LEFT WING/BODY FAIRING	29-11-03
PUMP (EDP) - SYS L ENGINE DRIVEN	2	1	415AL,416AR, LEFT ENGINE	29-11-05
PUMP (EDP) - SYS R ENGINE DRIVEN	2	1	425AL,426AR, RIGHT ENGINE	29-11-05
RELAY - (24-25-00/101)				
HYD GEN ADP COMMAND, K865				
RELAYS - (31-01-33/101)				
ACMP R OFF CONTROL, K128				
EDP R PRESS SENSE, K127				
FLAP HANDLE SENSE, K717				
SYS R ACMP ON CONTROL, K126				
RELAYS - (31-01-36/101)				
ADP OFF CONTROL, K153				
ADP ON DEMAND, K684				
ADP OVERSPEED MAG LATCH, K603				
RELAYS - (31-01-37/101)				
ACMP L OFF CONTROL, K134				
EDP L PRESS SENSE, K131				
SYS L ACMP ON CONTROL, K130				
RELAYS - (32-09-00/101)				
SYS NO. 1 AIR/GND, K178,K552				
SYS NO. 2 AIR/GND, K204				
RELAYS - (80-11-00/101)				
L ENGINE START SENSE, K680				
R ENGINE START SENSE, K681				
RESERVOIR - SYS C HYDRAULIC	8	1	RIGHT WHEEL WELL	29-11-21
RESERVOIR - SYS L HYDRAULIC	2	1	437BL, 437BR, LEFT ENGINE STRUT	29-11-20
RESERVOIR - SYS R HYDRAULIC	2	1	447BL, 447BR, RIGHT ENGINE STRUT	29-11-20
SENSOR - MONOPOLE, YBVTS1	5	1	195RL, 195SL, AFT LEFT WING/BODY FAIRING, ADP, M235	*
SOLENOID - CONTINUOUS, YBVV1	5	1	195RL, 195SL, AFT LEFT WING/BODY FAIRING, ADP, M235	*
SOLENOID - DEMAND, YBVV2	5	1	195RL, 195SL, AFT LEFT WING/BODY FAIRING, ADP, M235	*
SWITCHES - (26-21-00/101)				
L ENGINE FIRE, S37				
R ENGINE FIRE, S38				
SWITCH - ADP CONTROL PRESSURE, S29	7	1	LEFT WHEEL WELL, ADP PRESS/CASE DRAIN FILTER MODULE	29-11-19
SWITCH - ADP TEST/RESET, S572	10	1	119AL, MAIN EQUIP CTR, P36	*

\* SEE THE WDM EQUIPMENT LIST

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Figure 101 (Sheet 3)

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FAULT ISOLATION/MAINT MANUAL

COMPONENT	FIG. 102 SHT	QTY	ACCESS/AREA	REFERENCE
SWITCH - SPEEDBRAKE LEVER POSITION, S493 (REF 27-61-00, FIG. 101)				
SWITCH - SYS C ACMP C2 PRESSURE, S34	9	1	RIGHT WHEEL WELL, ACMP C2 PRESS/ CASE DRAIN FILTER MODULE	29-11-18
SWITCH - SYS C ADP SELECT, YCYS6	1	1	FLT COMPT, P5, HYD CONT PNL, M10	*
SWITCH - SYS L ACMP CONTROL PRESSURE, S27	5	1	437BL,437BR, LEFT ENGINE STRUT, EDP PRESS/CASE DRAIN FILTER MODULE	29-11-17
SWITCH - SYS L ACMP PRESSURE, S25	3	1	437BL,437BR, LEFT ENGINE STRUT, ACMP PRESS/CASE DRAIN FILTER MODULE	29-11-18
SWITCH - SYS L ACMP SELECT, YCYS5	1	1	FLT COMPT, P5, HYD CONT PNL, M10	*
SWITCH - SYS L EDP PRESSURE, S26	5	1	437BL,437BR, LEFT ENGINE STRUT, EDP PRESS/CASE DRAIN FILTER MODULE	29-11-17
SWITCH - SYS R ACMP CONTROL PRESSURE, S32	5	1	447BL,447BR, RIGHT ENGINE STRUT, EDP PRESS/CASE DRAIN FILTER MODULE	29-11-17
SWITCH - SYS R ACMP PRESSURE, S30	3	1	447BL,447BR, RIGHT ENGINE STRUT, ACMP PRESS/CASE DRAIN FILTER MODULE	29-11-18
SWITCH - SYS R ACMP SELECT, YCYS7	1	1	FLT COMPT, P5, HYD CONT PNL, M10	*
SWITCH - SYS R EDP PRESSURE, S31	5	1	447BL,447BR, RIGHT ENGINE STRUT, EDP PRESS/CASE DRAIN FILTER MODULE	29-11-17
SWITCH/LIGHT - RESERVE BRAKES AND STEERING SELECT, S547	1	1	FLT COMPT, P1	29-11-00
SWITCH/LIGHT - SYS C ACMP C1 SELECT, YCYS2	1	1	FLT COMPT, P5, HYD CONT PNL, M10	*
SWITCH/LIGHT - SYS C ACMP C2 SELECT, YCYS3	1	1	FLT COMPT, P5, HYD CONT PNL, M10	*
SWITCH/LIGHT - SYS L EDP SELECT, YCYS1	1	1	FLT COMPT, P5, HYD CONT PNL, M10	*
SWITCH/LIGHT - SYS R EDP SELECT, YCYS4	1	1	FLT COMPT, P5, HYD CONT PNL, M10	*
TIME DELAY - (REF 31-01-31, FIG. 101)				
SYS C ACMP C1 ON, M303				
TIME DELAY - (REF 31-01-32, FIG. 101)				
SYS C ACMP C2 ON, M304				
TIME DELAY - (REF 31-01-33, FIG. 101)				
SYS R ACMP OFF, M300				
SYS R ACMP ON, M299,M500				
TIME DELAY - (REF 31-01-36, FIG. 101)				
SYS C ADP OFF, M497				
SYS C ADP ON, M305				
TIME DELAY (REF 31-01-37, FIG. 101)				
SYS L ACMP OFF, M302				
SYS L ACMP ON, M301,M499				

\* SEE WM EQUIPMENT LIST

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COMPONENT	FIG. 102 SHT	QTY	ACCESS/AREA	REFERENCE
UNIT - (27-51-00/101) FLAP/SLATS ELEC, M545				
UNIT - (32-09-03/101) PROX SW ELEC, M162				
UNITS - ELECTRICAL LOAD CONTROL (31-01-31/ 101) SYS C ACMP C1, M897 SYS R ACMP, M896				
UNITS - ELECTRICAL LOAD CONTROL (31-01-32/ 101) SYS C ACMP C2, M898 SYS L ACMP, M895				
VALVE - ADP PRESS REGULATOR AND SHUTOFF, V129	5	1	195RL,195SL, AFT LEFT WING/BODY FAIRING, ADP, M235	29-11-30
VALVE - ISOLATED ACMP PRESSURE SHUTOFF, V110	8	1	RIGHT WHEEL WELL	29-11-08
VALVE - ISOLATED ACMP SUPPLY SHUTOFF, V111	8	1	RIGHT WHEEL WELL	29-11-07
VALVE - SYS C RESERVOIR DRAIN	9	1	RIGHT WHEEL WELL, HYD RESVR	29-11-22
VALVE - SYS C RESERVOIR PRESSURE RELIEF	9	1	RIGHT WHEEL WELL, HYD RESVR	29-11-24
VALVE - SYS C RESERVOIR PRESSURIZATION SHUTOFF	8	1	RIGHT WHEEL WELL	29-11-28
VALVE - SYS C RESERVOIR SAMPLING	9	1	RIGHT WHEEL WELL, HYD RESVR	29-11-23
VALVE - SYS L EDP SUPPLY SHUTOFF, V6	2	1	437BL,437BR, LEFT ENGINE STRUT	29-11-06
VALVE - SYS L RESERVOIR DRAIN	3	1	437BL,437BR, LEFT ENGINE STRUT, HYD RESVR	29-11-22
VALVE - SYS L RESERVOIR PRESSURE RELIEF	3	1	437BL,437BR, LEFT ENGINE STRUT, HYD RESVR	29-11-24
VALVE - SYS L RESERVOIR PRESSURIZATION SHUTOFF	2	1	437BL,437BR, LEFT ENGINE STRUT	29-11-28
VALVE - SYS L RESERVOIR SAMPLING	3	1	437BL,437BR, LEFT ENGINE STRUT, HYD RESVR	29-11-23
VALVE - SYS R EDP SUPPLY SHUTOFF, V7	2	1	447BL,447BR, RIGHT ENGINE STRUT	29-11-06
VALVE - SYS R RESERVOIR DRAIN	3	1	447BL,447BR, RIGHT ENGINE STRUT, HYD RESVR	29-11-22
VALVE - SYS R RESERVOIR PRESSURE RELIEF	3	1	447BL,447BR, RIGHT ENGINE STRUT, HYD RESVR	29-11-24
VALVE - SYS R RESERVOIR PRESSURIZATION SHUTOFF	2	1	447BL,447BR, RIGHT ENGINE STRUT	29-11-28
VALVE - SYS R RESERVOIR SAMPLING	3	1	447BL,447BR, RIGHT ENGINE STRUT, HYD RESVR	29-11-23

Main (Left, Right, and Center) Hydraulic Systems - Component Index  
Figure 101 (Sheet 5)

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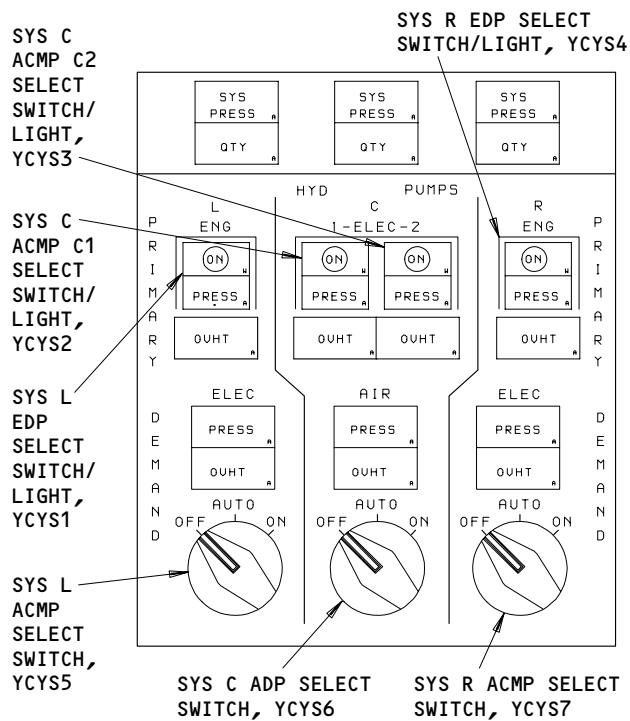
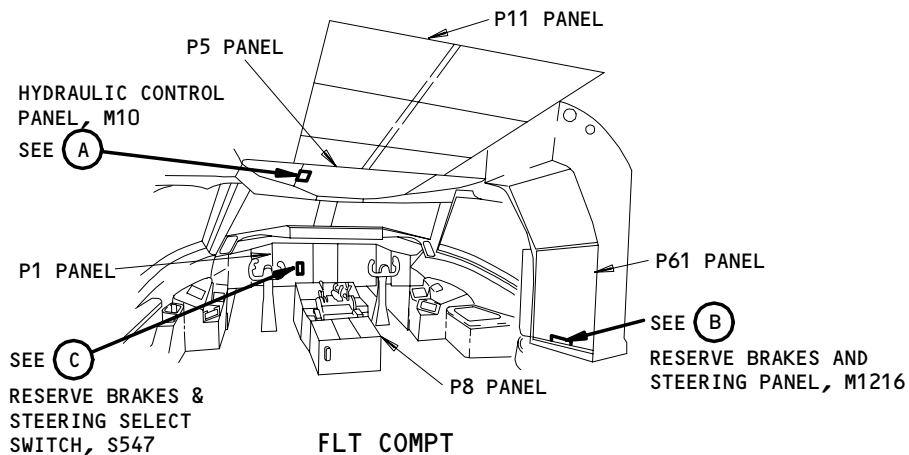
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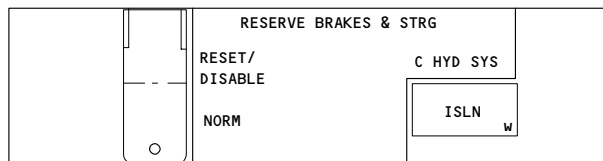
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### FAULT ISOLATION/MAINT MANUAL



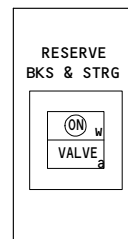
HYDRAULIC CONTROL PANEL, M10

(A)



RESERVE BRAKES AND STEERING PANEL, M1216

(B)



RESERVE BRAKES & STEERING  
SELECT SWITCH/LIGHT, S547

(C)

Component Location  
Figure 102 (Sheet 1)

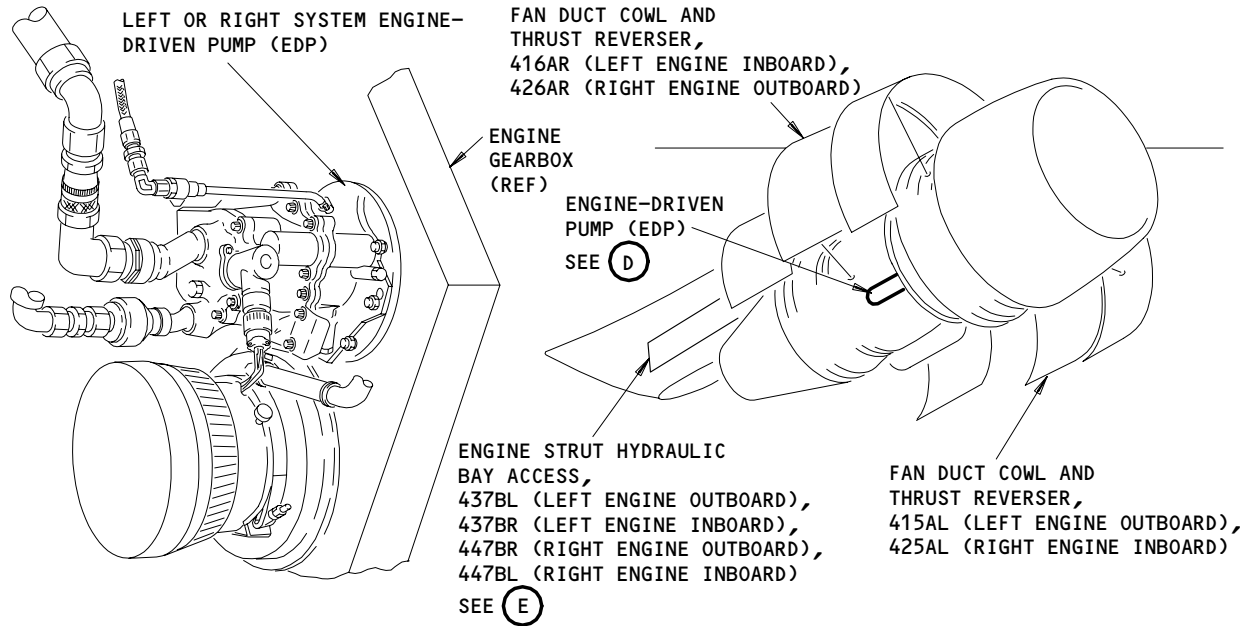
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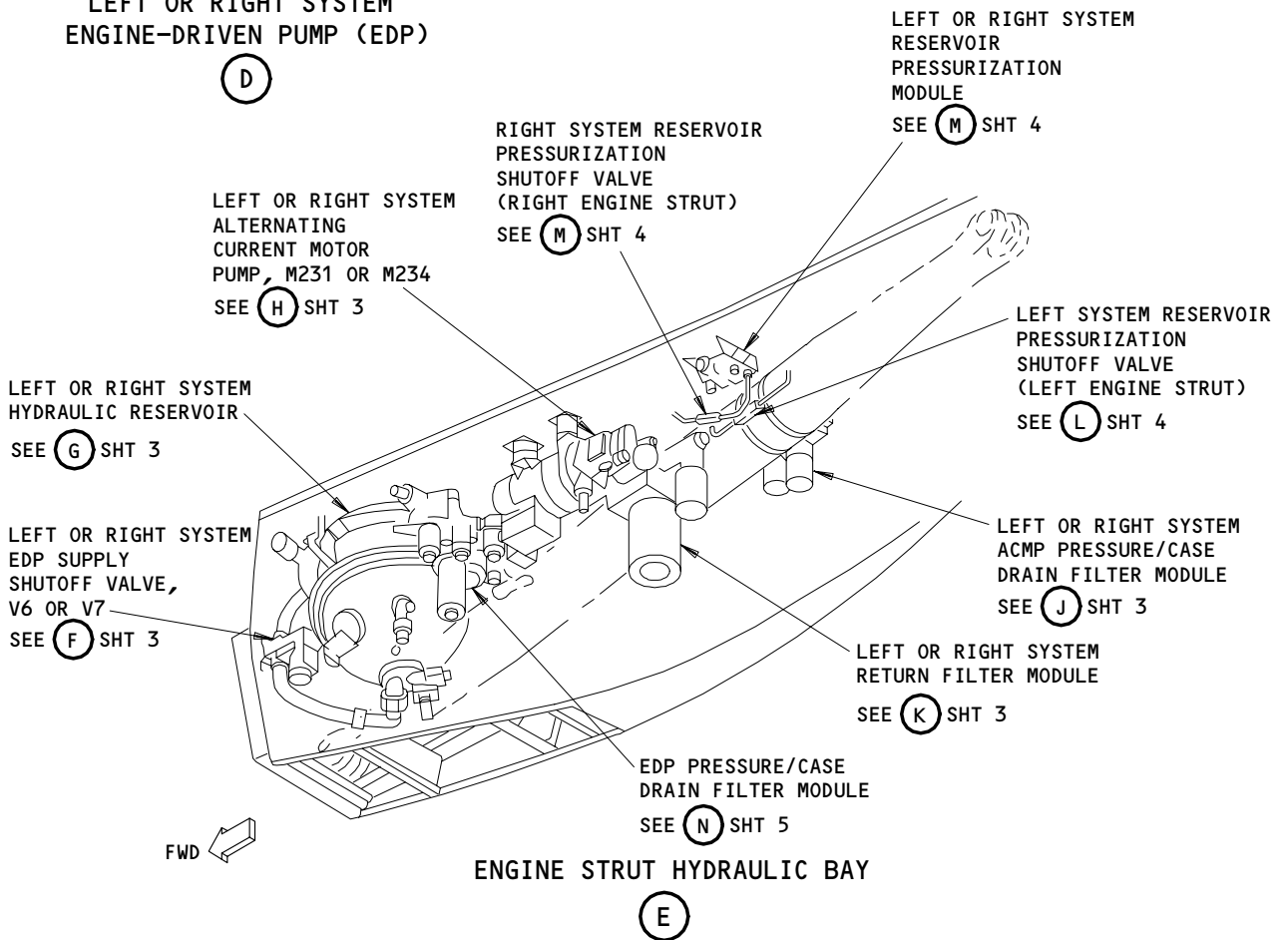


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FAULT ISOLATION/MAINT MANUAL



LEFT OR RIGHT SYSTEM ENGINE-DRIVEN PUMP (EDP)

(D)

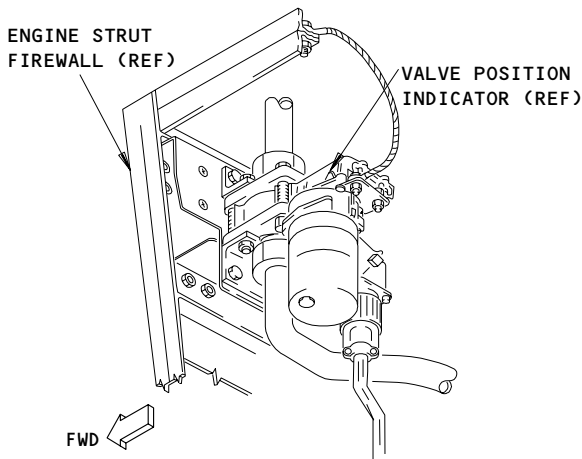


Main (Left, Right, and Center) Hydraulic Systems - Component Location  
Figure 102 (Sheet 2)

EFFECTIVITY

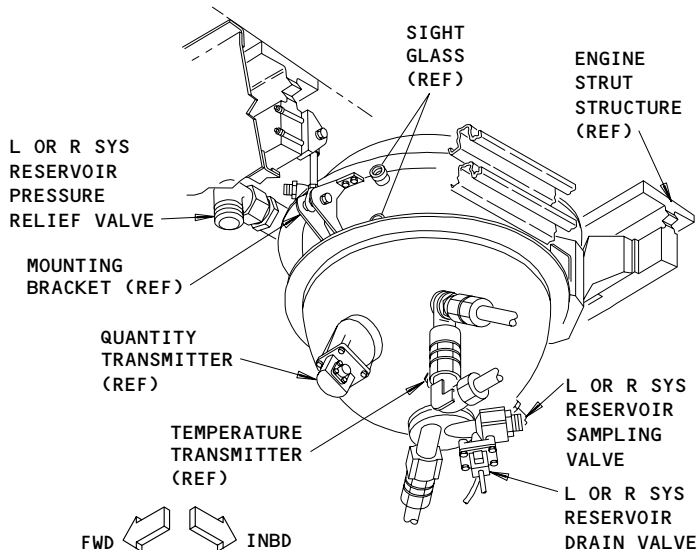
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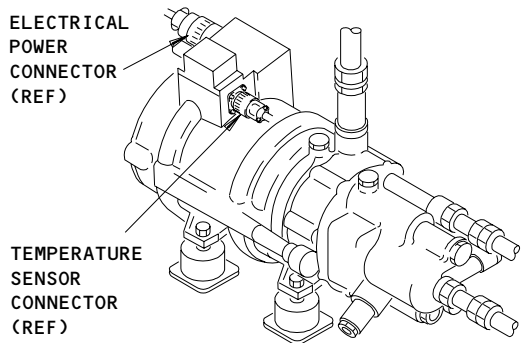
L OR R SYS EDP SUPPLY SHUTOFF VALVE, V6 OR V7

F



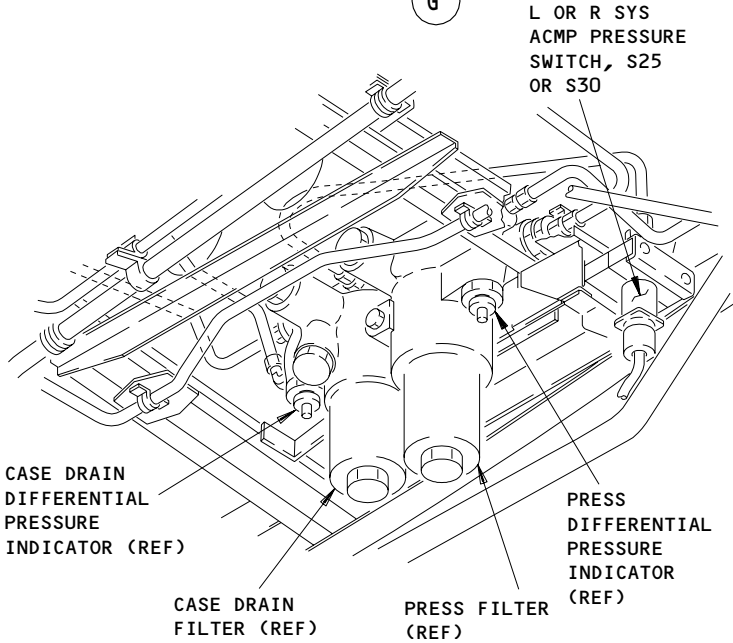
L OR R SYS RESERVOIR

G



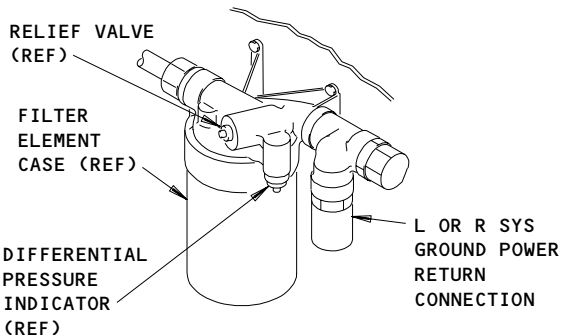
L OR R SYS ACMP ALTERNATING CURRENT MOTOR PUMP, M231 OR M234

H



L OR R SYS ACMP PRESSURE/CASE DRAIN FILTER MODULE

J



L OR R SYS RETURN FILTER MODULE

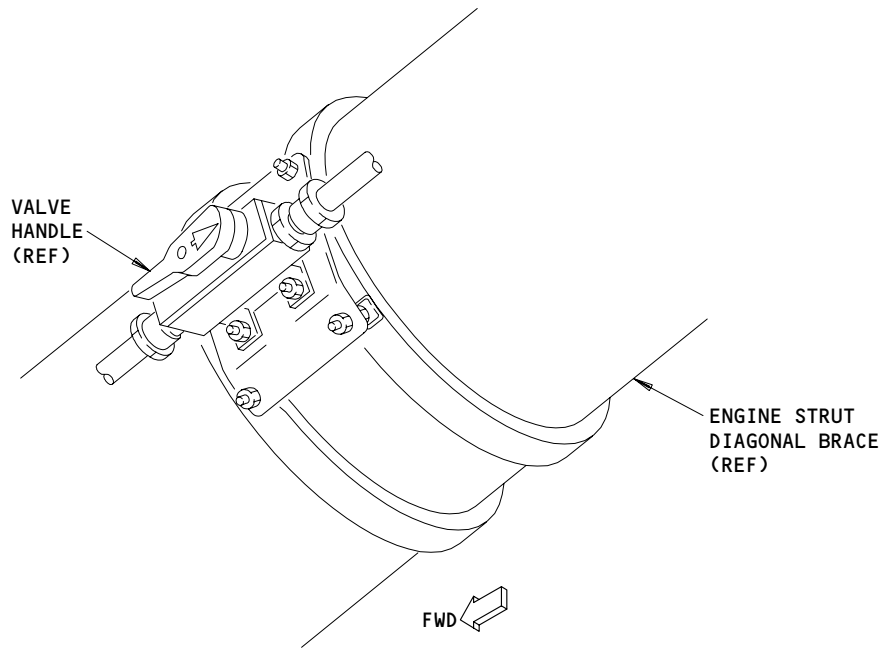
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Component Location (Details from Sht 2)  
Figure 102 (Sheet 3)

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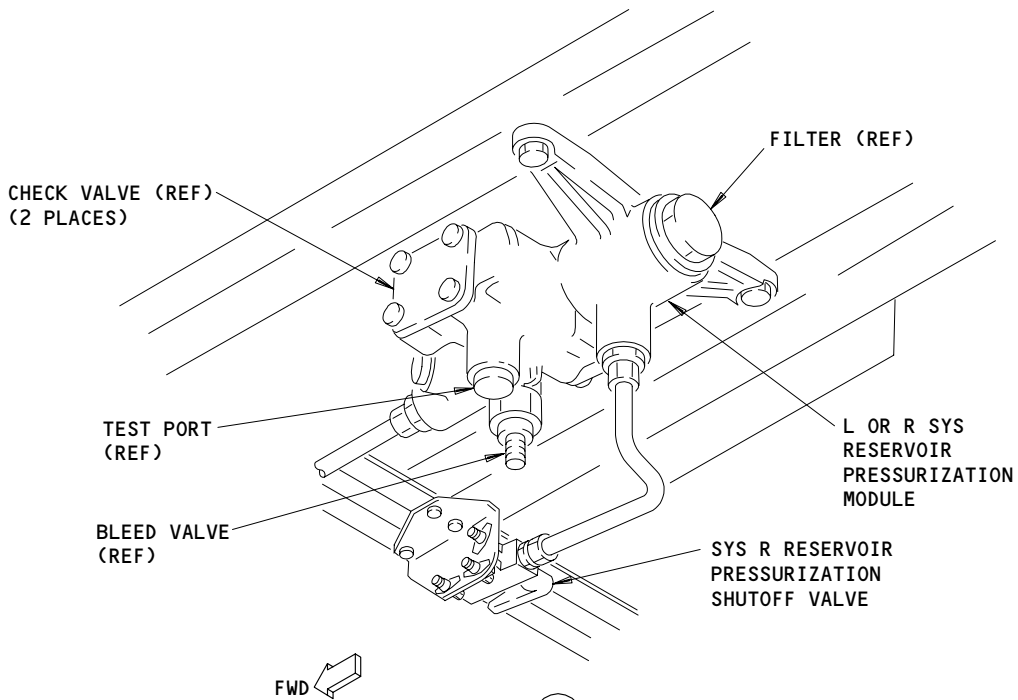
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SYS L RESERVOIR PRESSURIZATION SHUTOFF VALVE

(L)



(M)

Component Location (Details from Sht 2)  
Figure 102 (Sheet 4)

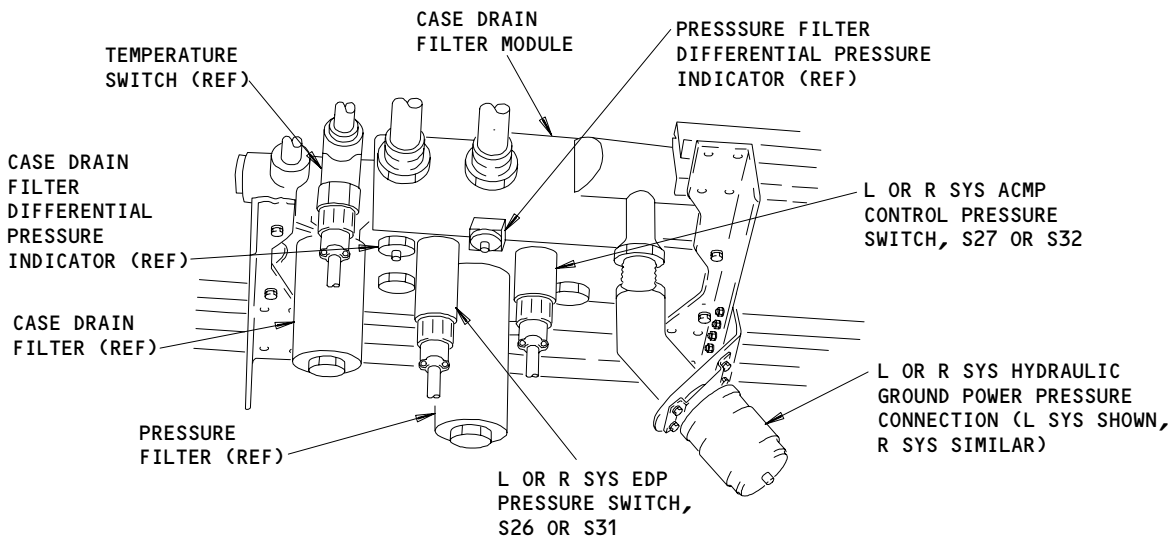
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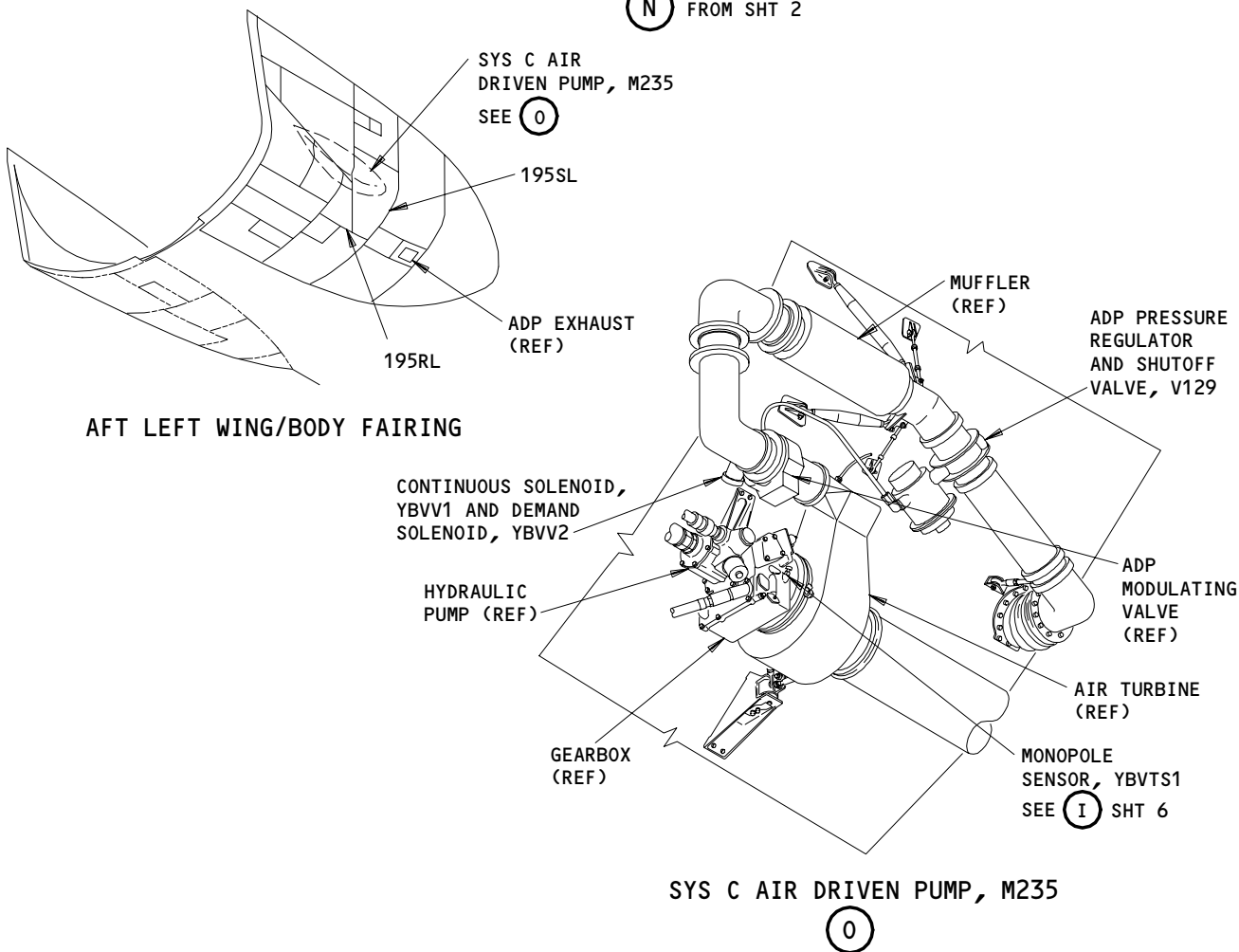
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L OR R SYS EDP PRESSURE/CASE DRAIN FILTER MODULE

(N) FROM SHT 2



SYS C AIR DRIVEN PUMP, M235

(O)

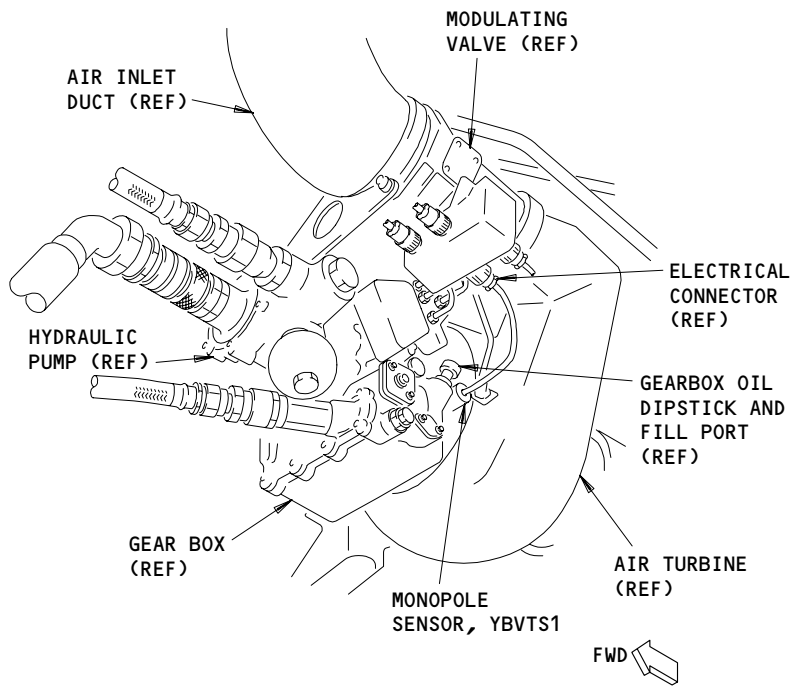
Component Location  
Figure 102 (Sheet 5)

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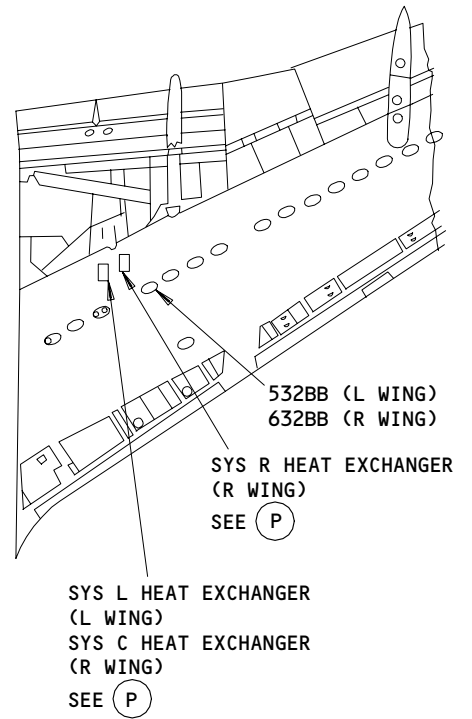
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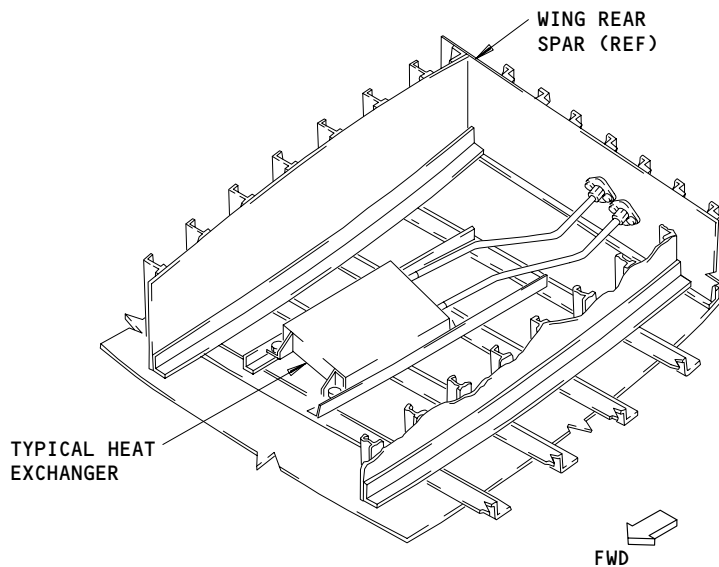
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I FROM SHT 5



WING - BOTTOM VIEW



SYS L, R OR C HEAT EXCHANGER  
(VIEW SHOWN WITH TOP SKIN REMOVED)

P

Component Location  
Figure 102 (Sheet 6)

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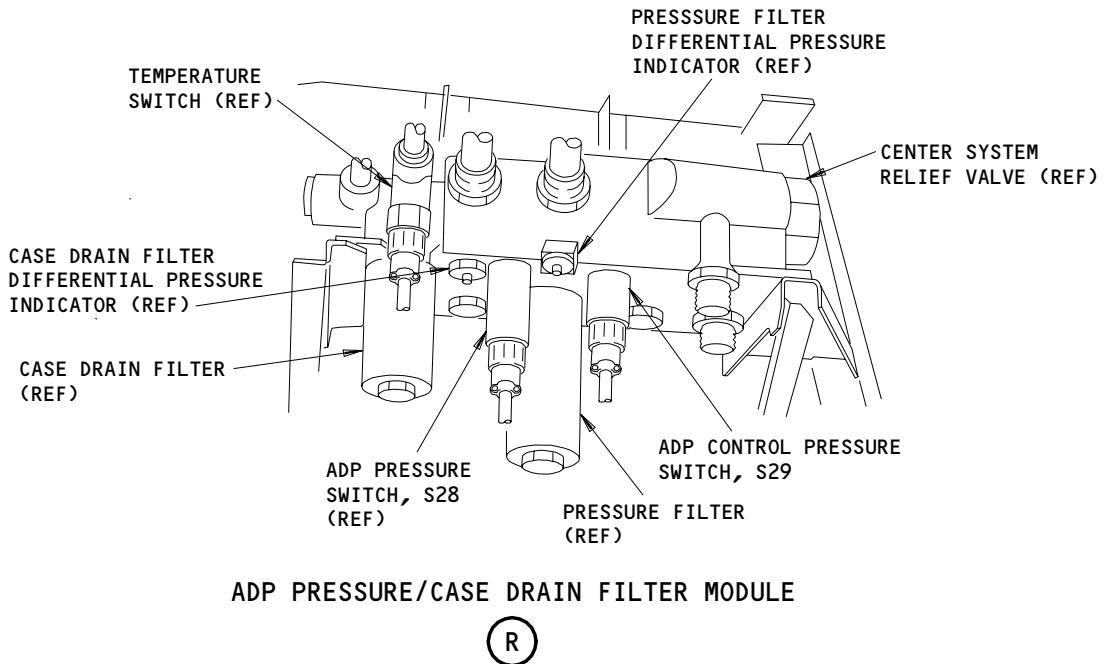
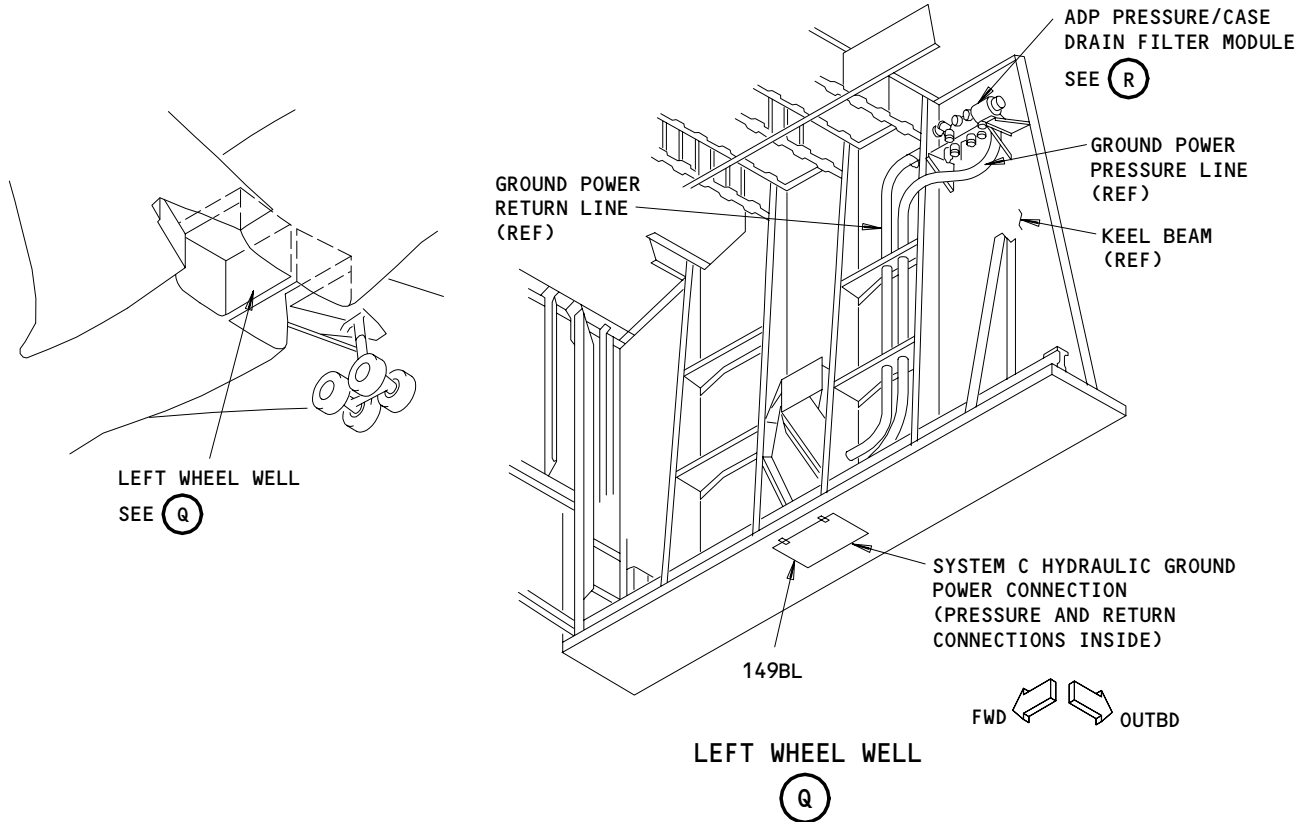
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Component Location  
Figure 102 (Sheet 7)

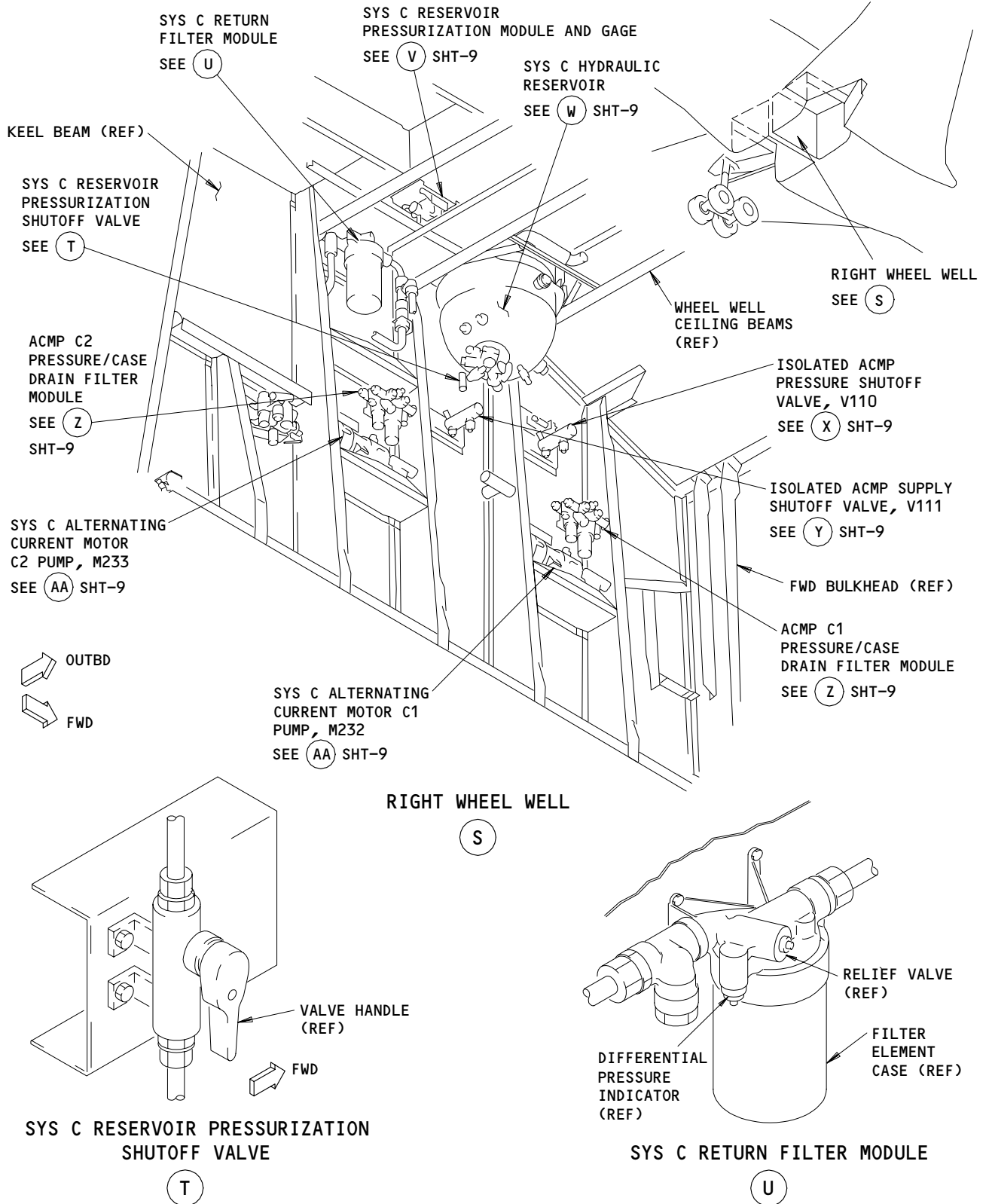
EFFECTIVITY	
	ALL

29-11-00

# BOEING

## 767

### FAULT ISOLATION/MAINT MANUAL



Component Location  
Figure 102 (Sheet 8)

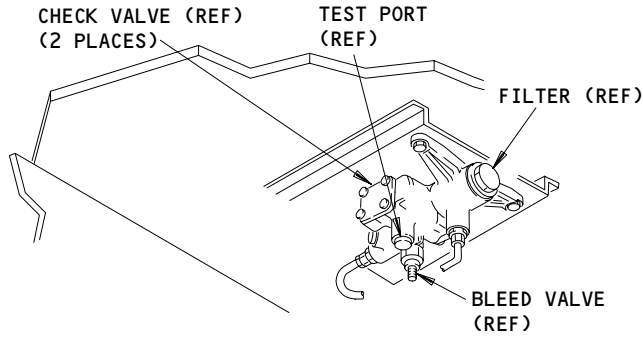
EFFECTIVITY	
	ALL

29-11-00

01

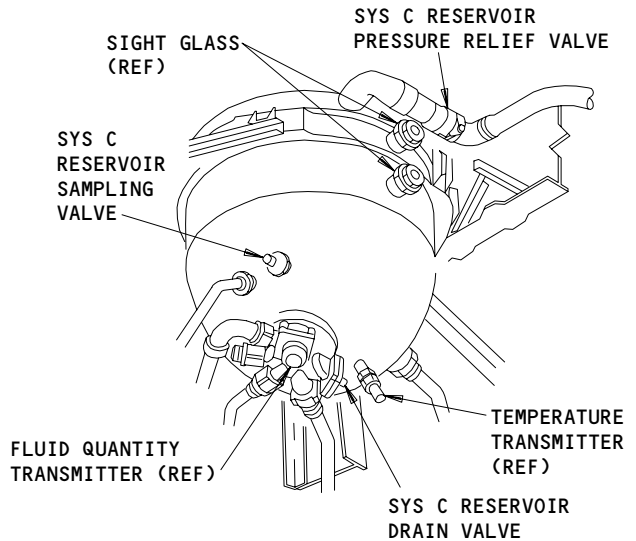
Page 113  
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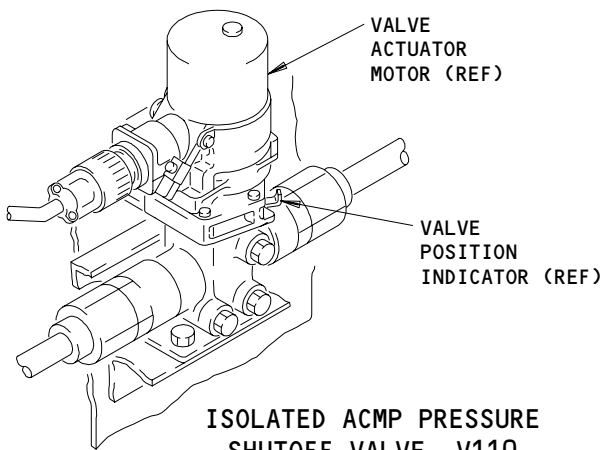
**SYS C RESERVOIR PRESSURIZATION MODULE**

(V)



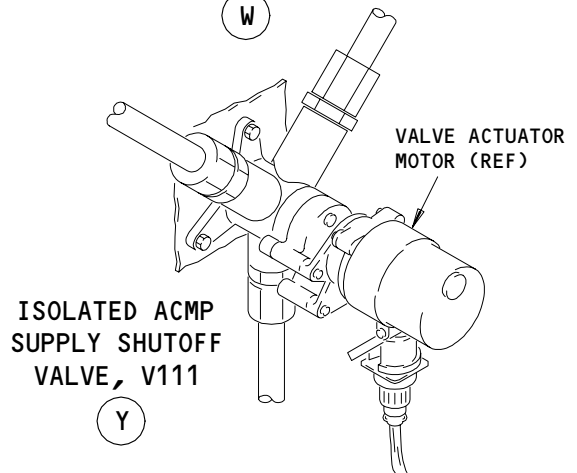
**SYS C HYDRAULIC RESERVOIR**

(W)



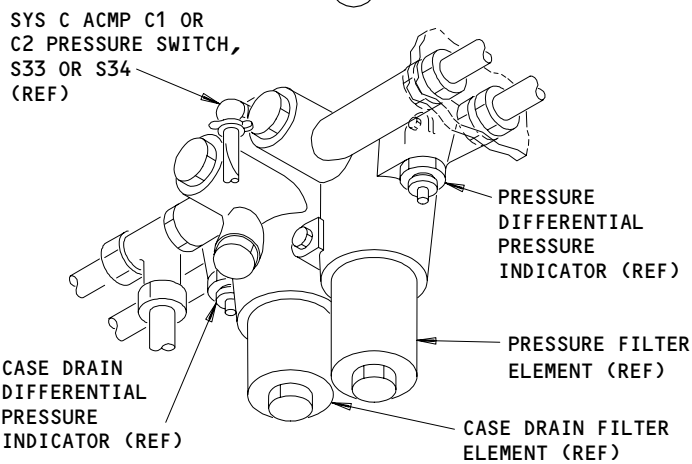
**ISOLATED ACMP PRESSURE SHUTOFF VALVE, V110**

(X)



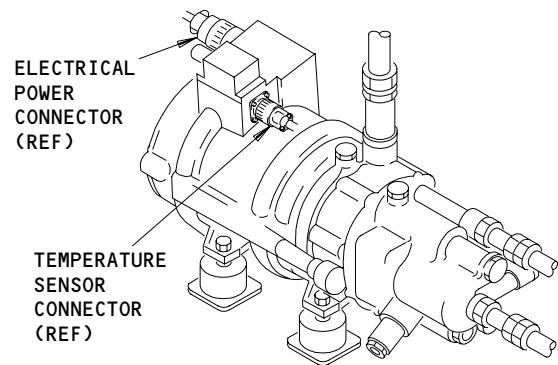
**ISOLATED ACMP SUPPLY SHUTOFF VALVE, V111**

(Y)



**SYS C ACMP C1 OR C2 PRESSURE/CASE DRAIN FILTER MODULE**

(Z)



**ALTERNATING CURRENT MOTOR C1 OR C2 PUMP, M232 OR M233**

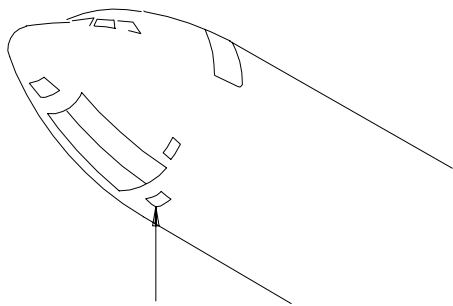
(AA)

Component Location (Details from Sht 8)  
Figure 102 (Sheet 9)

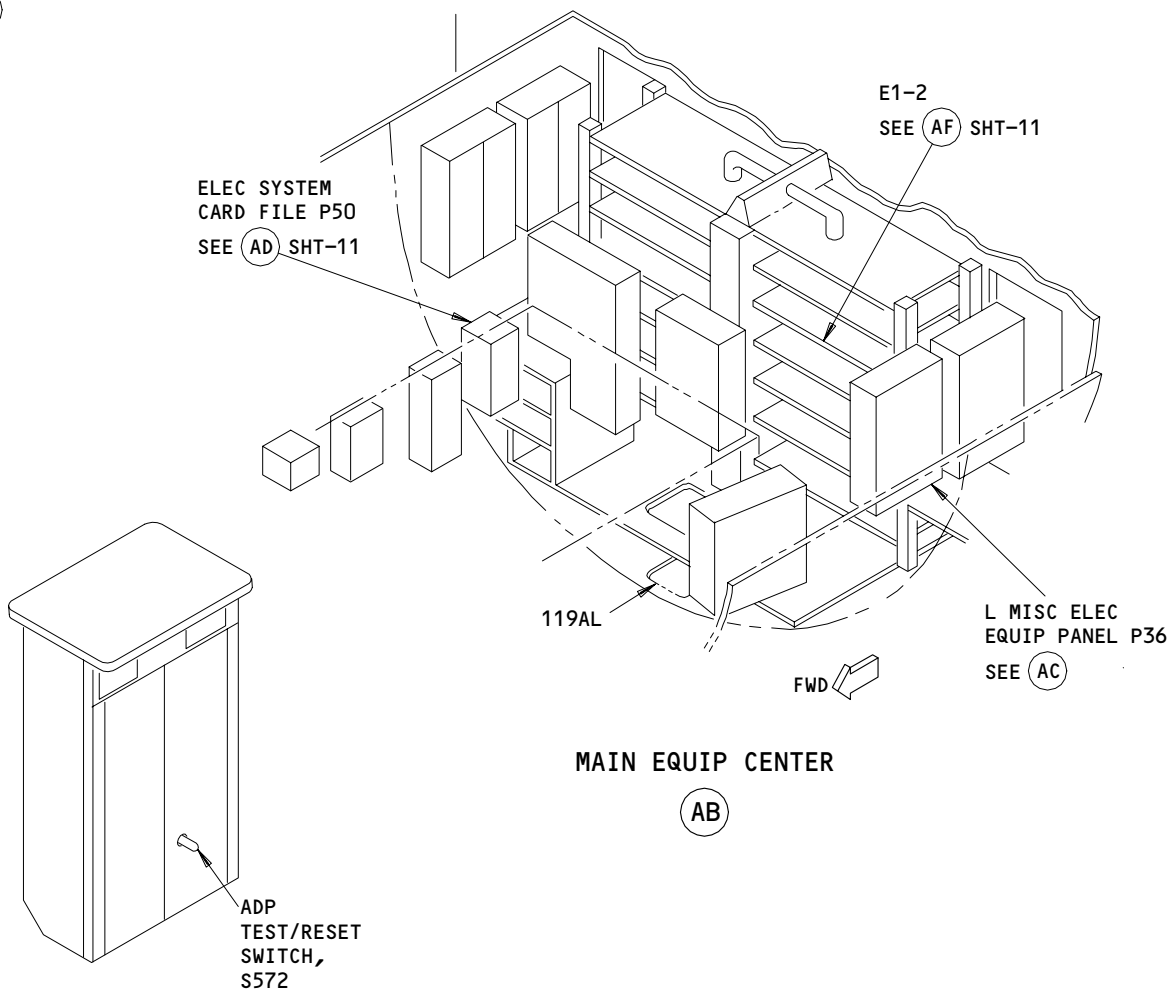
EFFECTIVITY	
	ALL

**29-11-00**





MAIN EQUIP CTR  
ACCESS, 119AL  
SEE (AB)



L MISC ELEC  
EQUIP PANEL P36

(AC)

Component Location  
Figure 102 (Sheet 10)

EFFECTIVITY

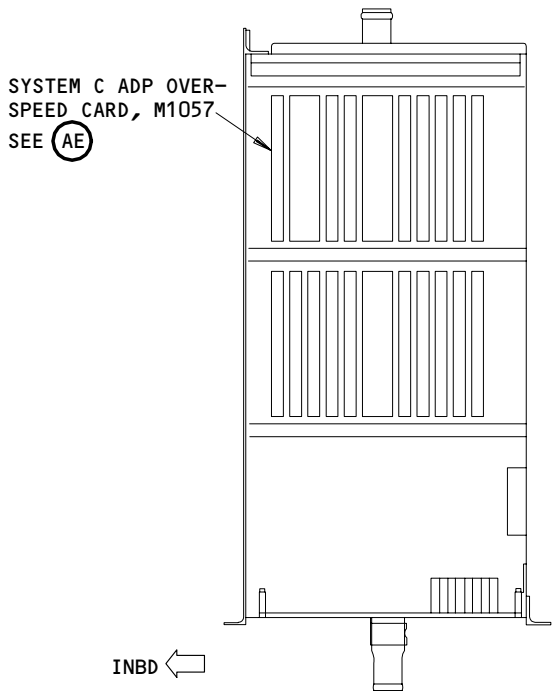
ALL

29-11-00

05

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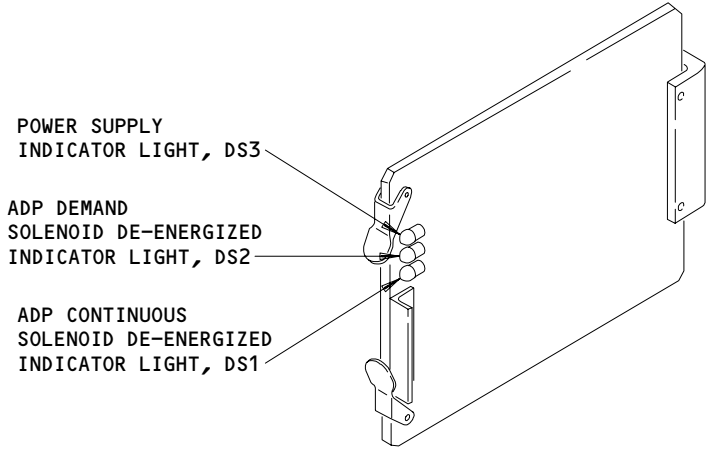
**BOEING**  
767  
FAULT ISOLATION/MAINT MANUAL



ELEC SYS CARD FILE P50

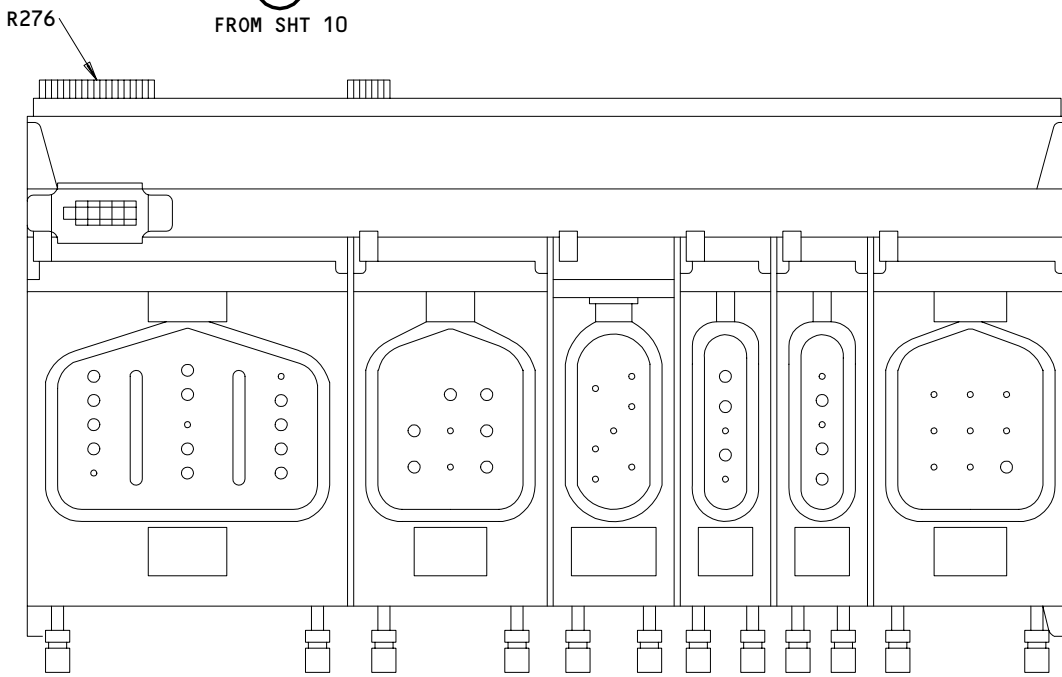
(AD)

FROM SHT 10



SYSTEM C ADP OVERSPEED CARD

(AE)



(TOP VIEW)

E1-2

(AF)

FROM SHT 10

↓  
FWD

Component Location  
Figure 102 (Sheet 11)

EFFECTIVITY	
	ALL

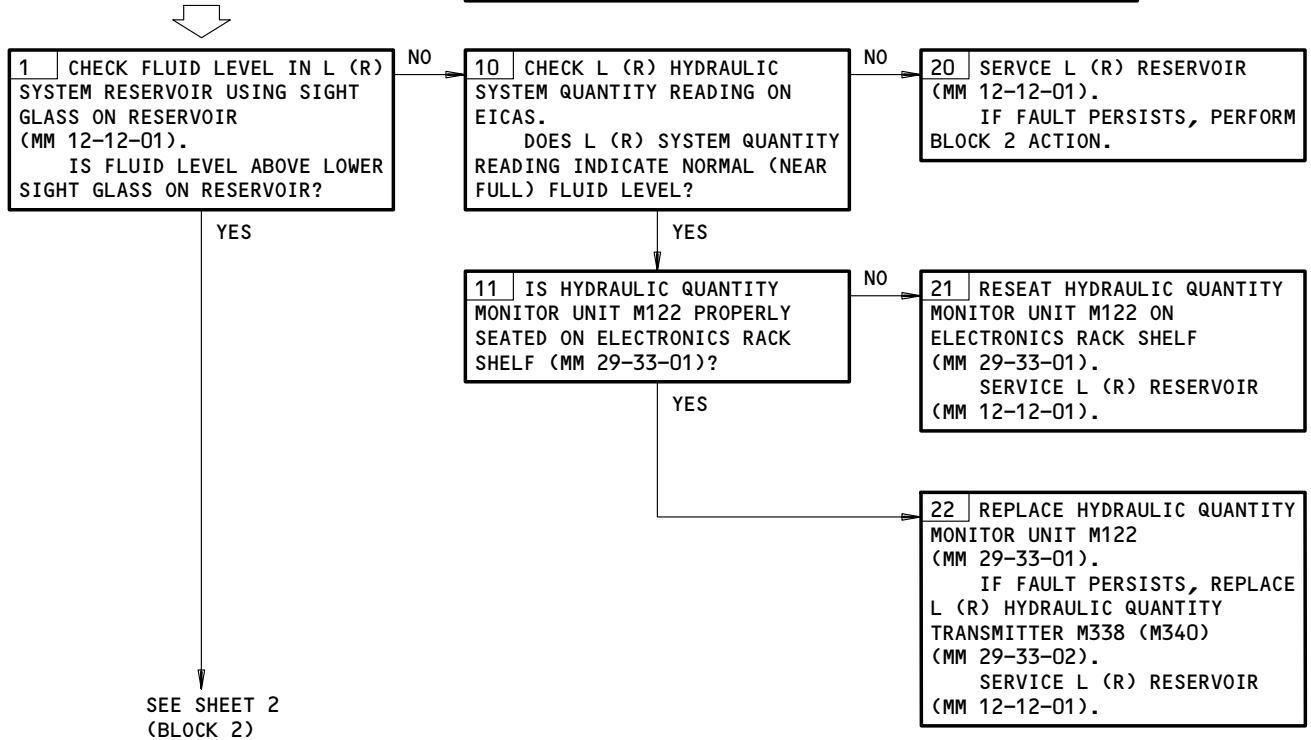
29-11-00

**PREREQUISITES**

ELECTRICAL POWER (24-22-00)  
PNEUMATIC POWER (36-00-00)  
EICAS (MM 31-41-00)

CB's: 11D29,11D30,11L14,11L17,11L23,11L26

**L (R) EDP PRESSURE  
LOW OR FLUCTUATING**



L (R) EDP Pressure Low or Fluctuating  
Figure 103 (Sheet 1)

EFFECTIVITY

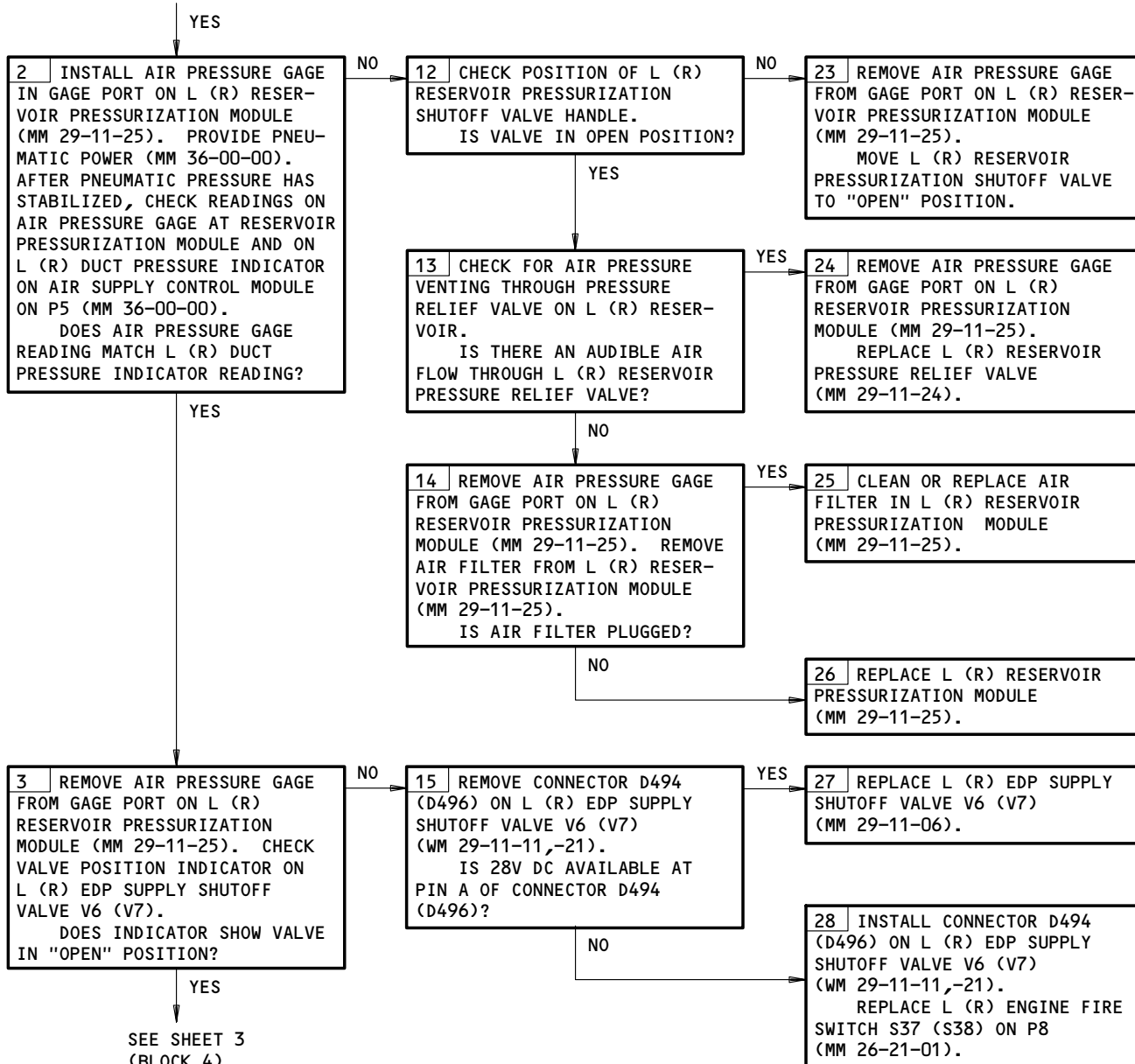
ALL

**29-11-00**

01

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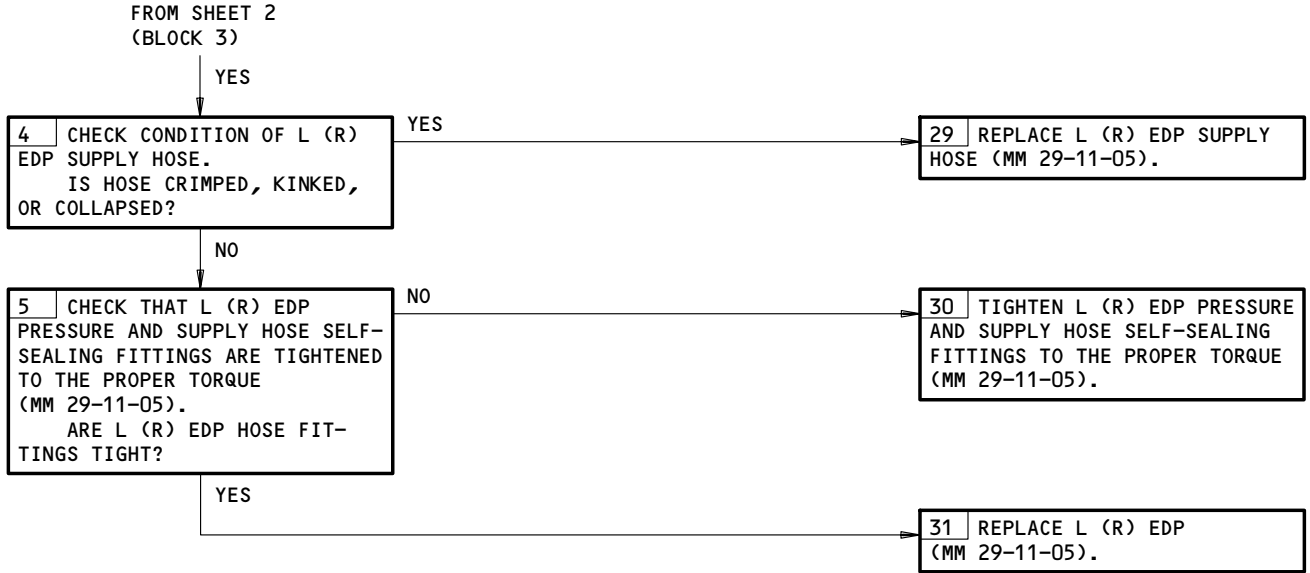
FROM SHEET 1  
(BLOCK 1)



L (R) EDP Pressure Low or Fluctuating  
Figure 103 (Sheet 2)

EFFECTIVITY	ALL
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29-11-00



L (R) EDP Pressure Low or Fluctuating  
Figure 103 (Sheet 3)

EFFECTIVITY	ALL
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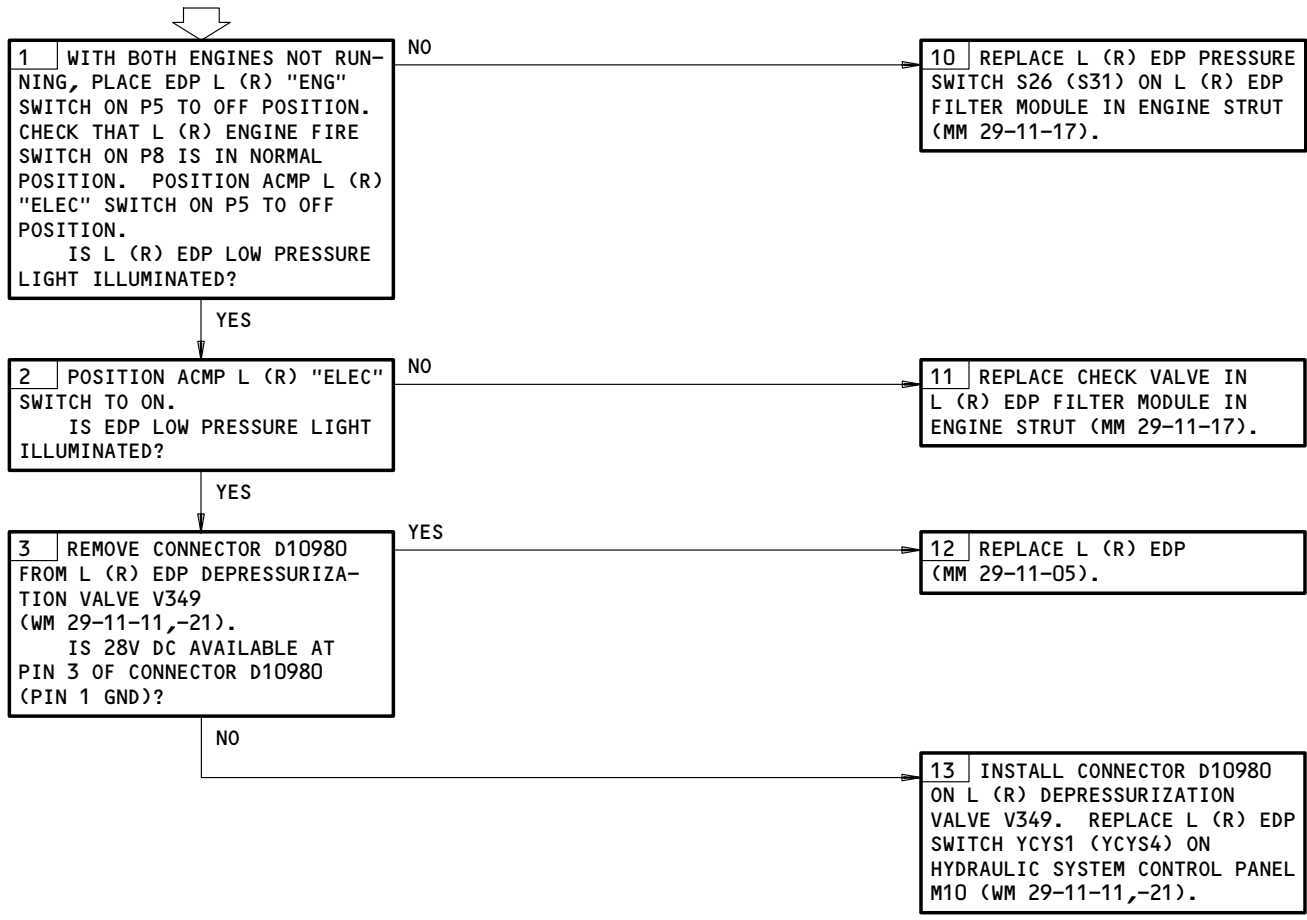
29-11-00

01

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**LEFT OR RIGHT EDP  
FAILED TO  
DEPRESSURIZE**

**PREREQUISITES**  
ELECTRICAL POWER (MM 24-22-00)  
CB'S: 11D29,11D30,11L14,11L16,11L23,11L25



Left or Right EDP Failed to Depressurize  
Figure 104

EFFECTIVITY  
ALL

**29-11-00**

599922

LEFT OR RIGHT EDP  
LOW PRESSURE LIGHT  
ILLUMINATED WITH  
EDP ON

**PREREQUISITES**

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

MAKE SURE THESE CIRCUIT BREAKERS ARE CLOSED:  
11D29, 11D30, 11L14, 11L17, 11L23, 11L26

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

1 DO A TEST OF THE L (R) RESERVOIR PRESSURIZATION SYSTEM (AMM 29-11-00/735). DID THE TEST MEET THE REQUIREMENTS?

NO

15 CHECK THE L (R) PRESSURIZATION LINE FOR BLOCKAGE.

YES

2 CHECK THAT L (R) ENGINE FIRE SWITCH ON P8 IS IN NORMAL POSITION. CHECK THAT EDP L (R) "ENG" SWITCH ON P5 IS IN "ON" POSITION. PROVIDE EDP HYDRAULIC PRESSURE BY OPERATING ENGINE (AMM 71-00-00). DOES L (R) SYSTEM PRESSURE STABILIZE AT 2900-3200 PSI?

YES

16 REPLACE L (R) EDP PRESSURE SWITCH S26 (S31) ON L (R) EDP FILTER MODULE IN ENGINE STRUT (AMM 29-11-17).

NO

3 SHUTDOWN L (R) ENGINE (AMM 71-00-00). LEAVE L (R) EDP SWITCH IN ON POSITION. REMOVE CONNECTOR D10980 FROM L (R) EDP DEPRESSURIZATION VALVE V349 (WDM 29-11-11,-21). IS 28V DC AVAILABLE AT PIN 3 OF CONNECTOR D10980 (PIN 1 GND)?

YES

10 INSTALL CONNECTOR D10980 ON L (R) EDP DEPRESSURIZATION VALVE V349. REMOVE CONNECTOR D836 (D862) FROM L (R) ENGINE SWITCH YEGS37 (YEGS38) (WDM 29-11-11,-21). CHECK FOR CONTINUITY BETWEEN PINS 13 AND 28 ON SWITCH YEGS37 (YEGS38). IS THERE CONTINUITY?

YES

17 REPLACE L (R) ENGINE FIRE SWITCH YEGS37 (YEGS38) ON P8 (AMM 26-21-01).

NO

18 INSTALL CONNECTOR D836 (D862) ON L (R) ENGINE FIRE SWITCH YEGS37 (YEGS38). REPLACE L (R) EDP SWITCH YCYS1 (YCYS4) ON HYDRAULIC SYSTEM CONTROL PANEL M10 (WDM 29-11-11,-21).

NO

4 INSTALL CONNECTOR D10980 ON L (R) EDP DEPRESSURIZATION VALVE V349 (WDM 29-11-11,-21). CHECK VALVE POSITION INDICATOR ON L (R) EDP SUPPLY SHUTOFF VALVE V6 (V7) IN ENGINE STRUT. IS VALVE IN OPEN POSITION?

NO

11 REMOVE CONNECTOR D494 (D496) FROM L (R) EDP SUPPLY SHUTOFF VALVE V6 (V7) IN ENGINE STRUT. IS 28V DC AVAILABLE AT PIN A OF CONNECTOR D494 (D496) (PIN E GND)?

YES

19 REPLACE L (R) EDP SUPPLY SHUTOFF VALVE V6 (V7) IN ENGINE STRUT (AMM 29-11-06).

NO

20 INSTALL CONNECTOR D494 (D496) ON L (R) EDP SUPPLY SHUTOFF VALVE V6 (V7) IN ENGINE STRUT (AMM 29-11-11,-21). REPLACE L (R) ENGINE FIRE SWITCH YEGS37 (YEGS38) ON P8 (AMM 26-21-01).

YES

21 REPLACE L (R) EDP (AMM 29-11-05).

Left or Right EDP Low Pressure Light Illuminated with EDP On  
Figure 104A

EFFECTIVITY

ALL

29-11-00

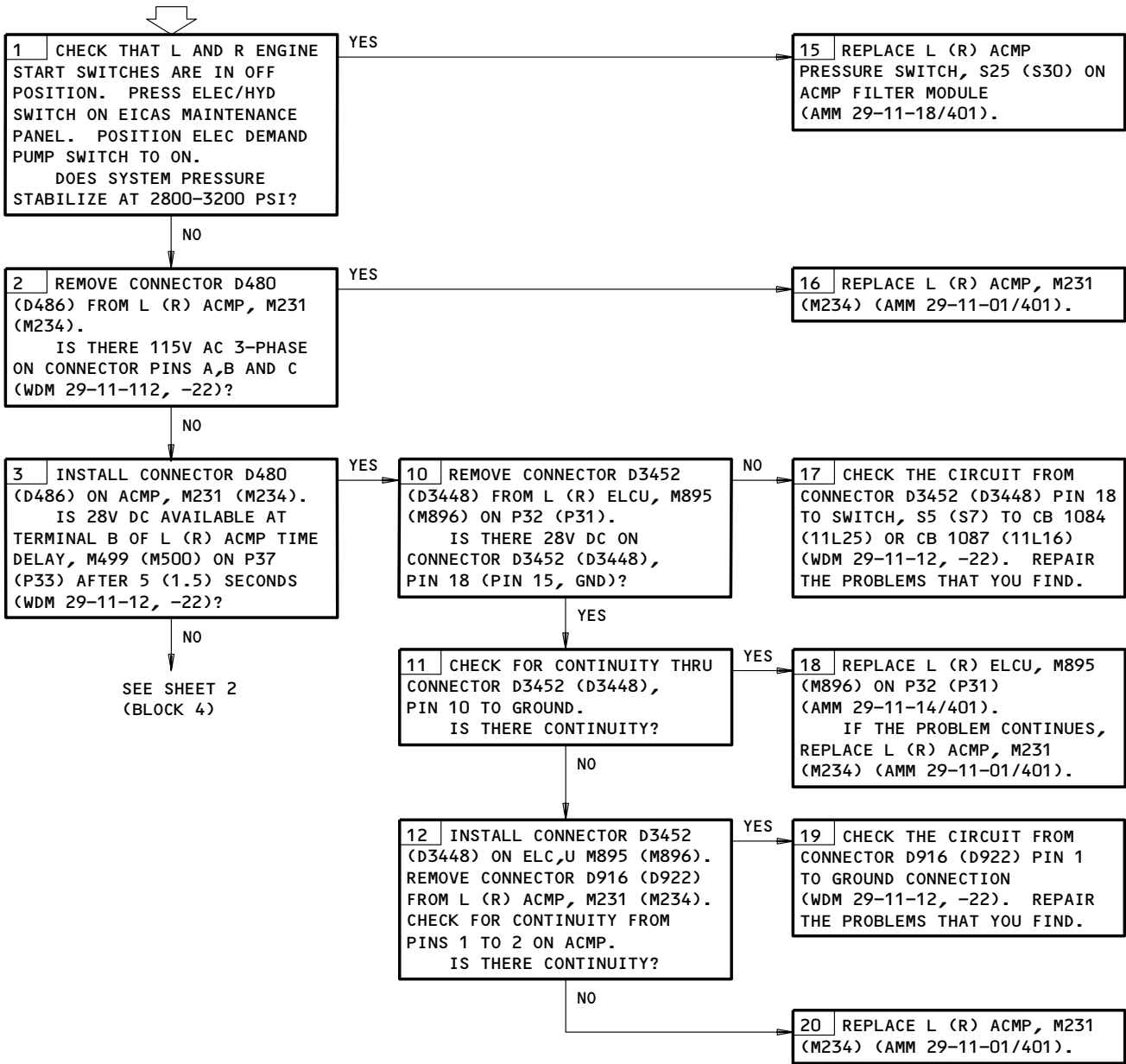
07.1

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LEFT/RIGHT ACMP  
LOW PRESSURE LIGHT  
ILLUMINATED IN AUTO  
OR ON MODE

**PREREQUISITES**  
MAKE SURE THESE CIRCUIT BREAKERS ARE CLOSED:  
11L16, 11L17, 11L25, 11L26  
MAKE SURE THE AIRPLANE IS IN THIS CONFIGURATION:  
ELECTRICAL POWER IS ON (AMM 24-22-00/201)



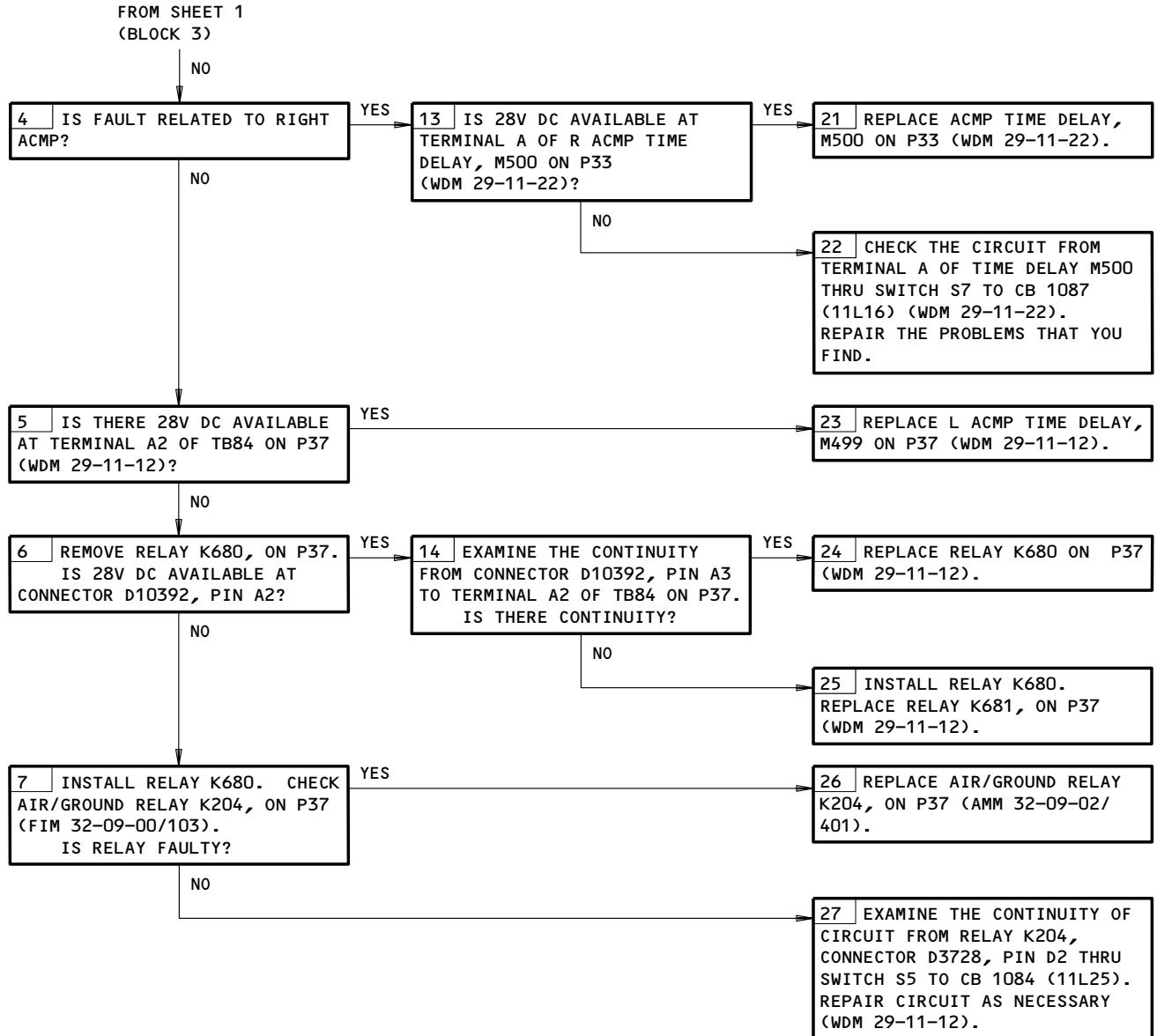
Left/Right ACMP Low Pressure Light Illuminated in Auto or On Mode  
Figure 105 (Sheet 1)

EFFECTIVITY

ALL

29-11-00





Left/Right ACMP Low Pressure Light Illuminated in Auto or On Mode  
Figure 105 (Sheet 2)

EFFECTIVITY

ALL

29-11-00

02

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101443

LEFT/RIGHT ACMP  
PRESSURE ABOVE  
NORMAL

**PREREQUISITES**  
 ELECTRICAL POWER (MM 24-22-00)  
 CB'S: 11L16,11L17,11L25,11L26



1  PROVIDE EDP HYDRAULIC PRESSURE BY MOTORING ENGINE (MM 71-00-00).  
 POSITION EDP CONTROL SWITCH TO ON.  
 DOES SYSTEM PRESSURE STABILIZE AT 2900-3200 PSI?

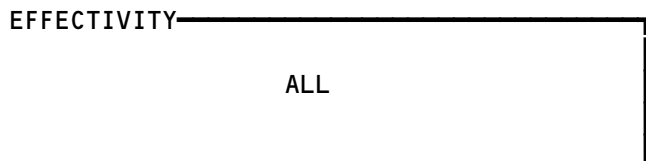
YES

NO

5  REPLACE ACMP M231 OR M234 (MM 29-11-01).

6  REPLACE PRESSURE TRANSMITTER M341 OR M343 ON INBOARD AILERON SUPPORT RIB (MM 29-31-01).

Left/Right ACMP Pressure Above Normal  
Figure 106



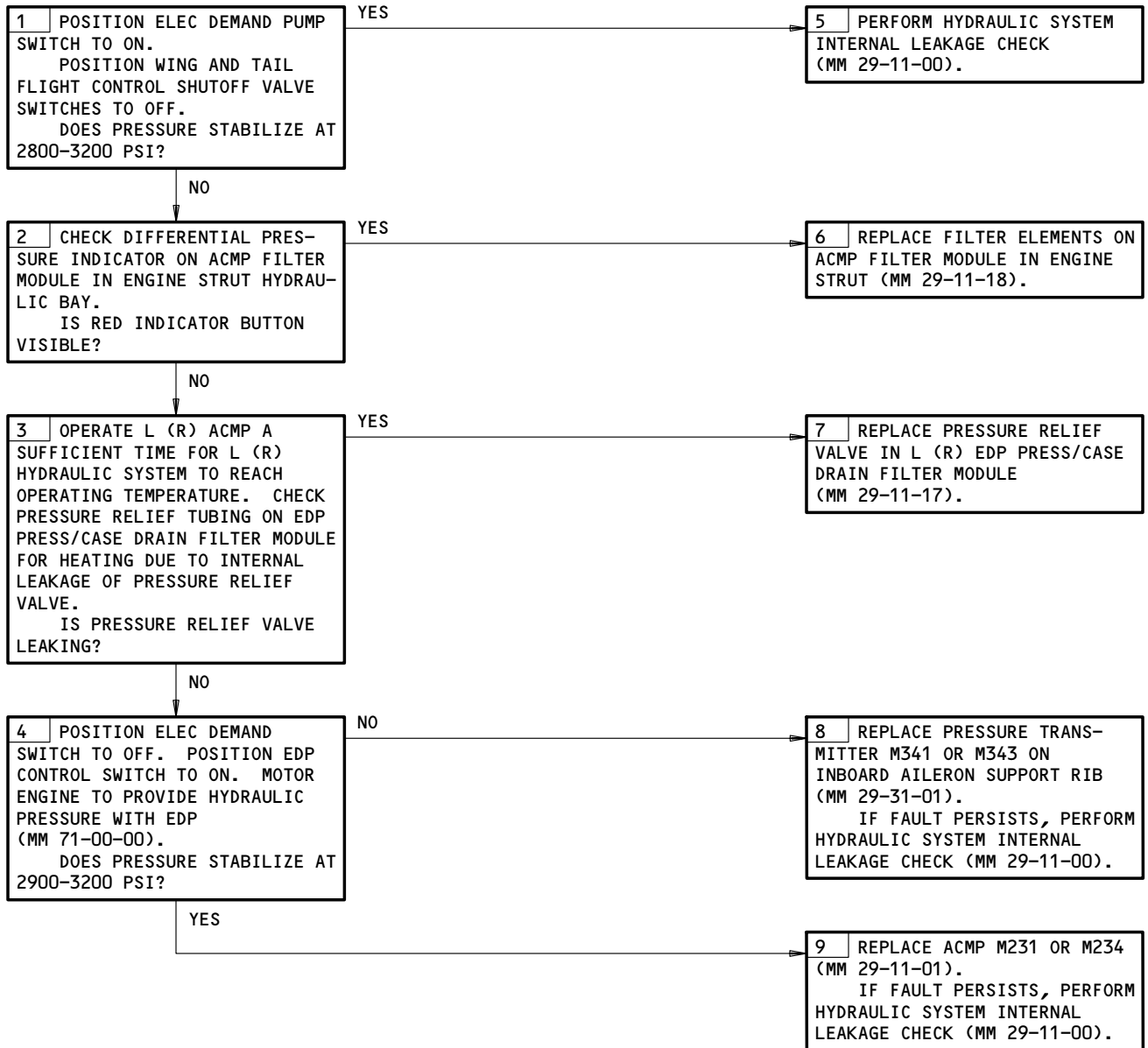
**29-11-00**

**LEFT/RIGHT ACMP  
PRESS LOW**

**PREREQUISITES**

ELECTRICAL POWER (MM 24-22-00)

CB'S: 11H15,11H16,11H17,11H18,11H26,11H27,  
11L16,11L17,11L25,11L26



Left/Right ACMP Pressure Low  
Figure 107

EFFECTIVITY

ALL

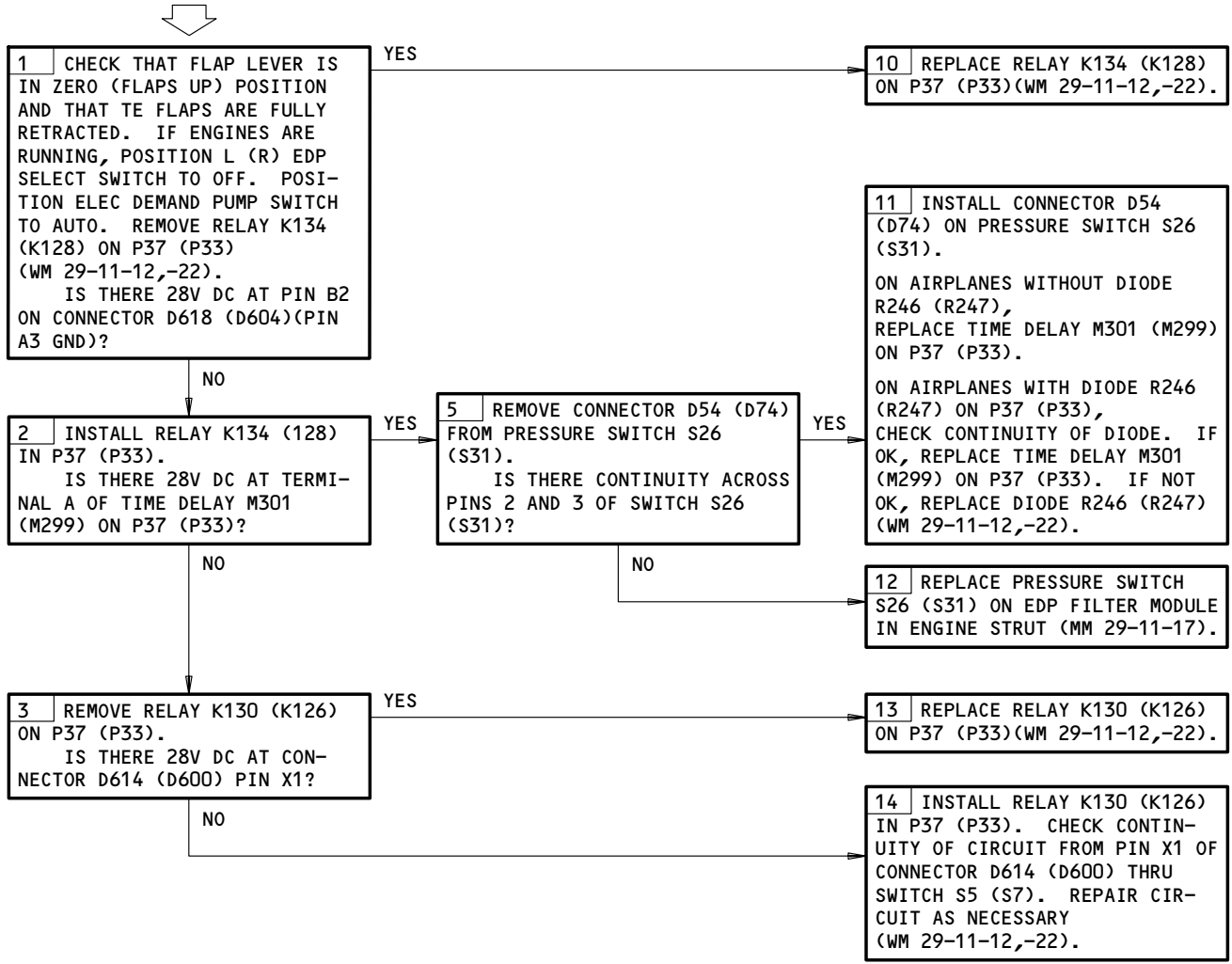
**29-11-00**

02

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May 10/90

LEFT/RIGHT ACMP LOW PRESSURE LIGHT ILLUMINATED IN AUTO MODE, NORMAL IN ON MODE

**PREREQUISITES**  
ELECTRICAL POWER (MM 24-22-00)  
CB'S: 11L16,11L25



Left/Right ACMP Low Pressure Light Illuminated in Auto Mode,  
Normal in On Mode  
Figure 108

EFFECTIVITY	ALL
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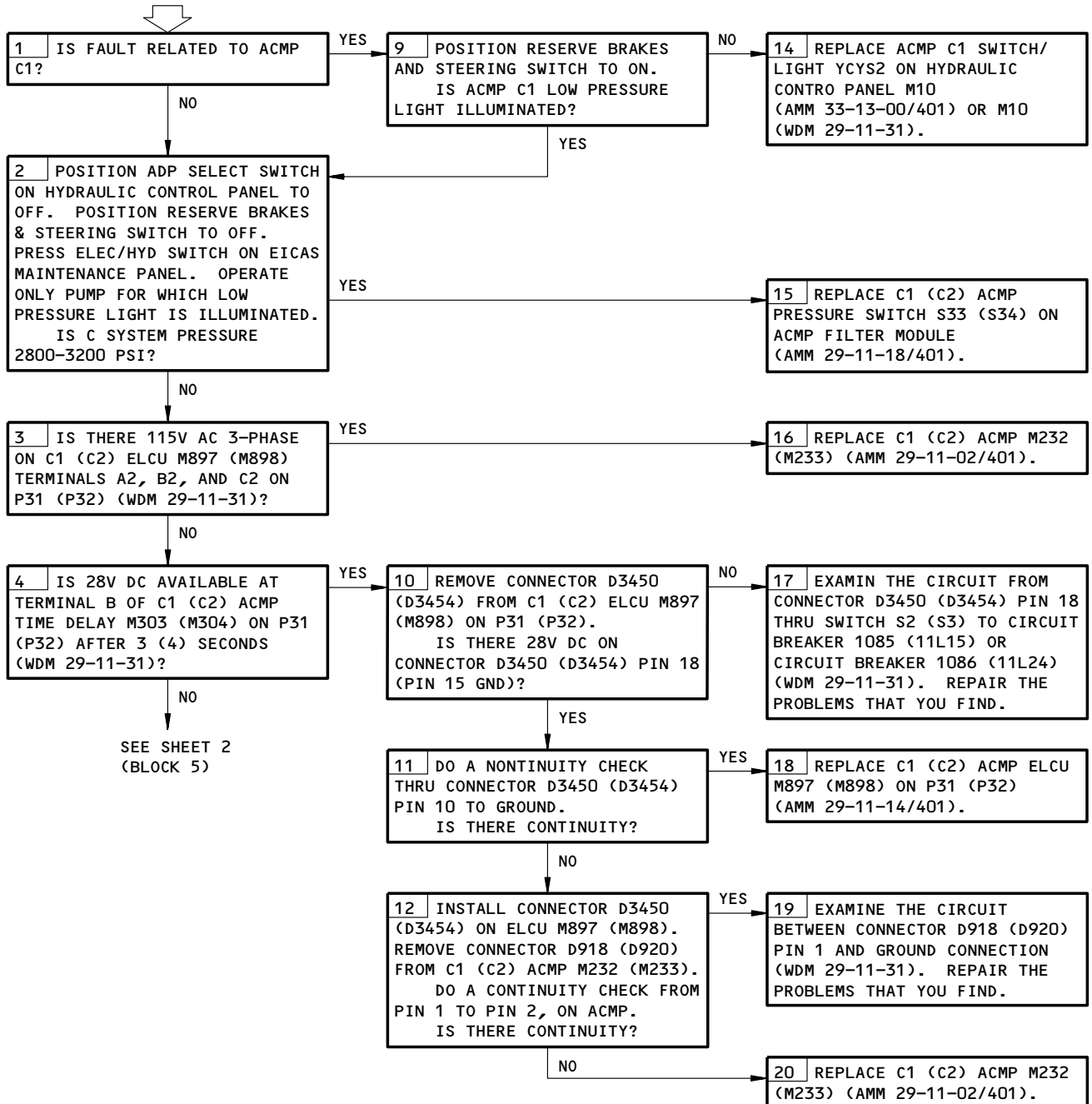
29-11-00

**CENTER ACMP LOW  
PRESSURE LIGHT  
ILLUMINATED**

**PREREQUISITES**

MAKE SURE THESE CIRCUIT BREAKERS ARE CLOSED:  
11L15, 11L18, 11L24

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



Center ACMP Low Pressure Light Illuminated  
Figure 109 (Sheet 1)

EFFECTIVITY

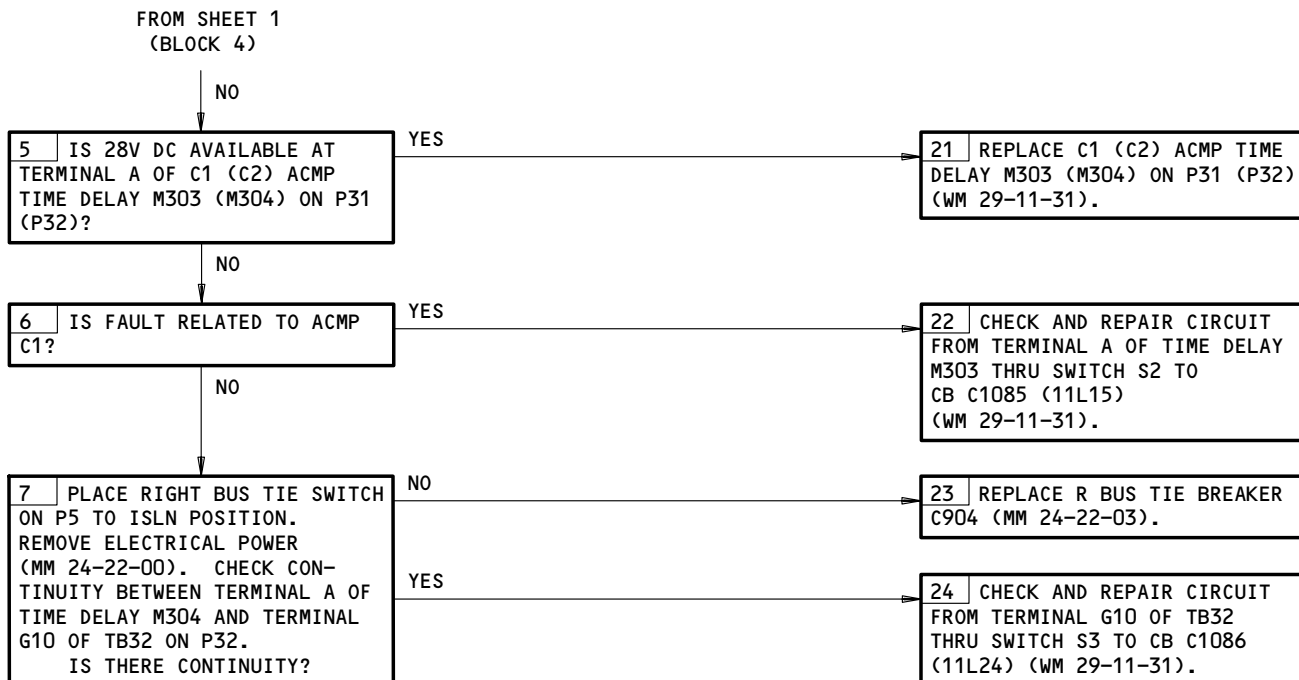
ALL

**29-11-00**

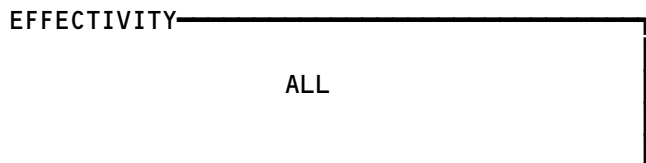
02

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Dec 22/05

61900



Center ACMP Low Pressure Light Illuminated  
Figure 109 (Sheet 2)



29-11-00

CENTER ACMP  
 PRESSURE LOW,  
 PRESSURE NORMAL  
 WHEN USING OTHER  
 ACMP

**PREREQUISITES**  
 ELECTRICAL POWER (MM 24-22-00)  
 CB'S: 11L15,11L24,11L18



1 CHECK DIFFERENTIAL PRES-  
 SURE INDICATOR ON ACMP FILTER  
 MODULE IN RIGHT WHEEL WELL.  
 IS RED INDICATOR BUTTON  
 VISIBLE?

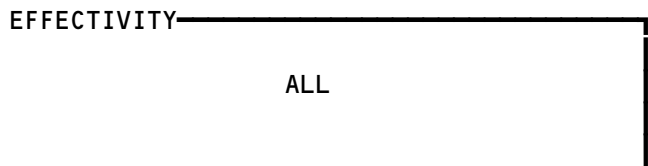
YES

NO

5 REPLACE FILTER ELEMENT IN  
 ACMP FILTER MODULE IN RIGHT  
 WHEEL WELL (MM 29-11-18).

6 REPLACE ACMP (C1) M232 OR  
 ACMP (C2) M233 (MM 29-11-02).

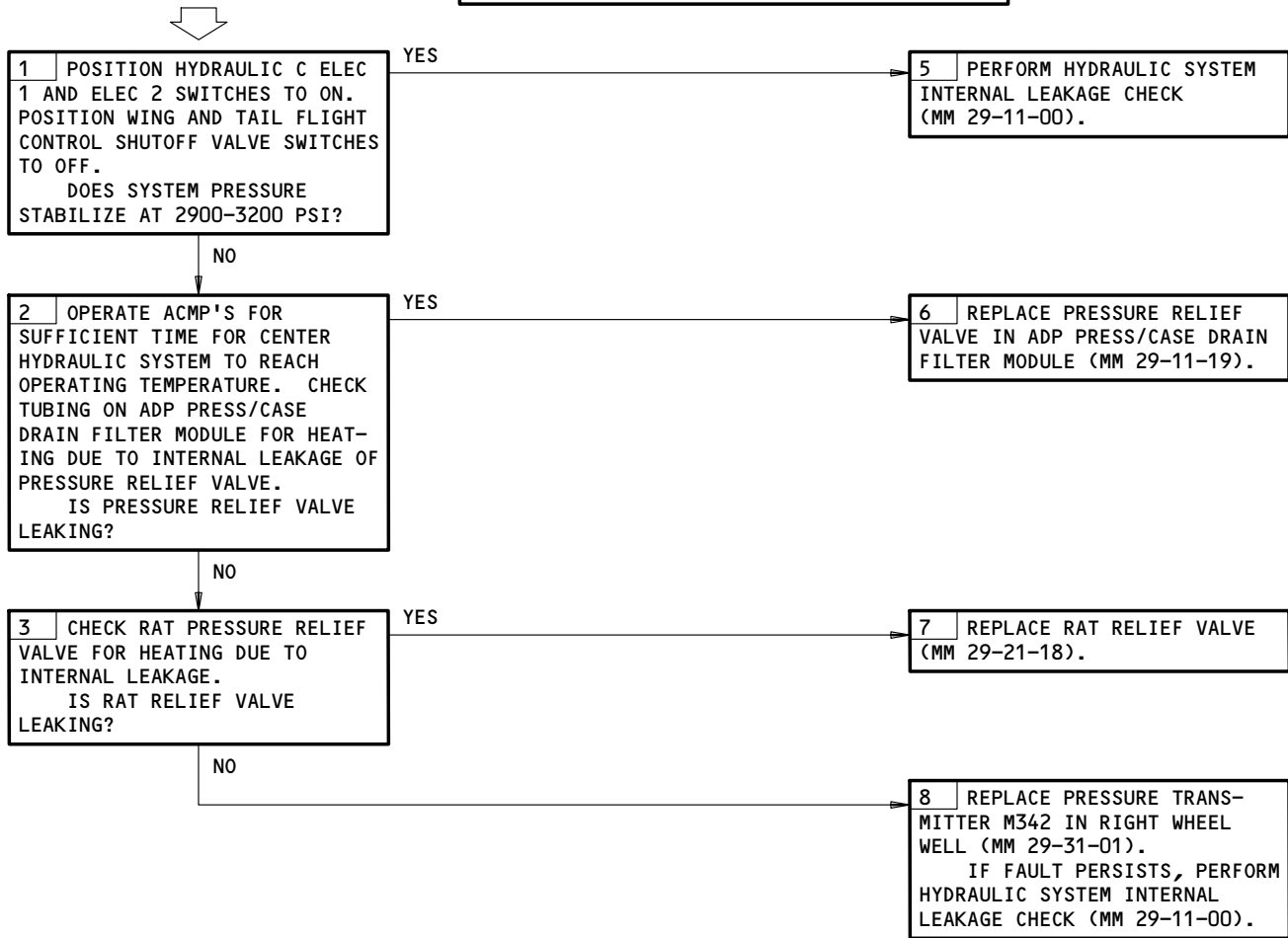
Center ACMP Pressure Low, Pressure Normal When Using Other ACMP  
 Figure 110



29-11-00

**CENTER ACMP PRESSURE  
LOW WITH EITHER ACMP  
OPERATING**

**PREREQUISITES**  
ELECTRICAL POWER (MM 24-22-00)  
CB'S: 11L15,11L24,11L18



Center ACMP Pressure Low with Either ACMP Operating  
Figure 111

EFFECTIVITY	ALL
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**29-11-00**



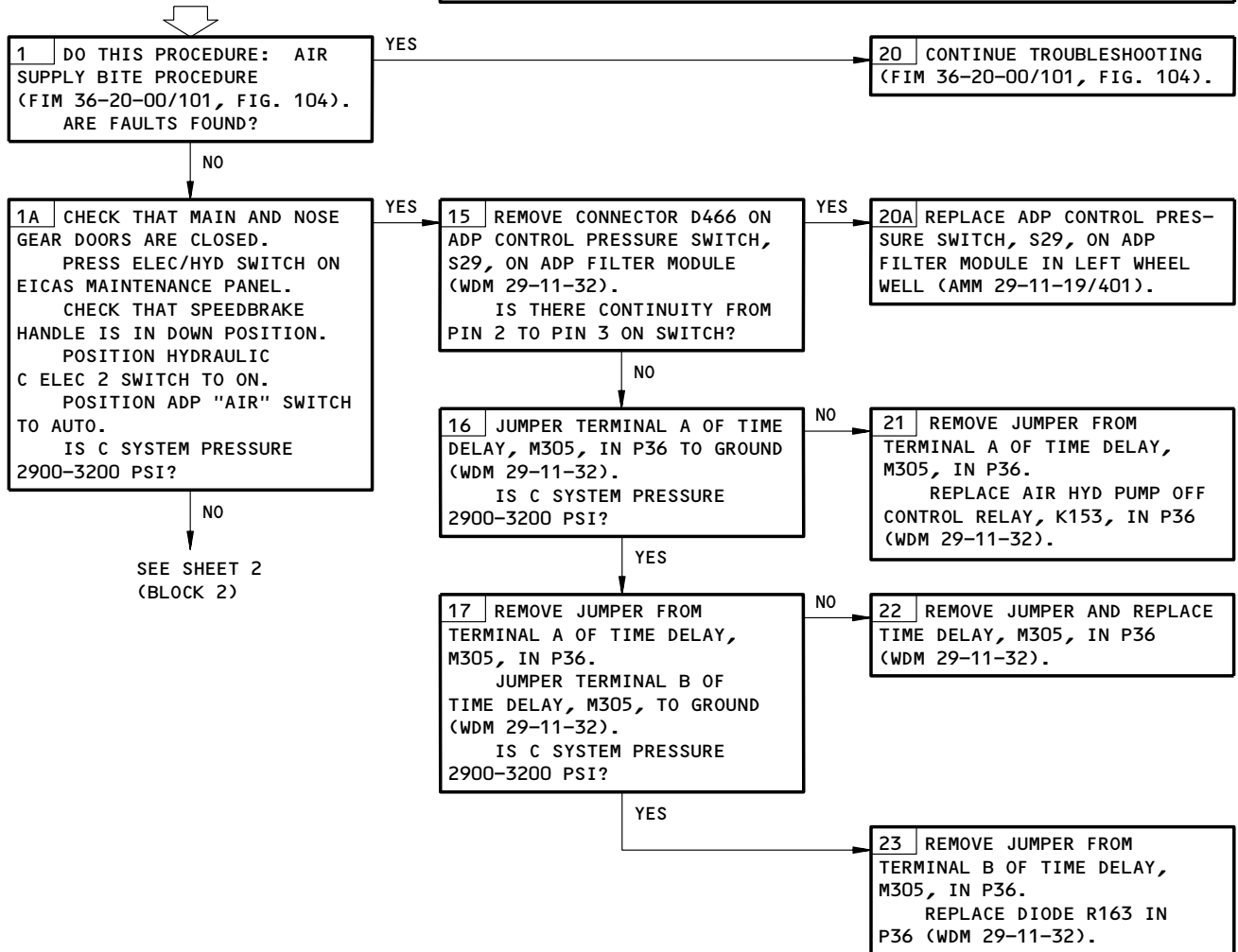
**PREREQUISITES**

MAKE SURE THESE CIRCUIT BREAKERS ARE CLOSED:  
11D31,11L18

MAKE SURE THESE CIRCUIT BREAKERS ARE OPEN AND ATTACH  
DO-NOT-CLOSE TAGS:  
11L15,11L24

MAKE SURE THE AIRPLANE IS IN THIS CONFIGURATION:  
ELECTRICAL POWER IS ON (AMM 24-22-00/201)  
EICAS IS ON (AMM 31-41-00/201)  
PNEUMATIC POWER IS ON (AMM 36-00-00/201)

**ADP INOPERATIVE IN  
AUTO MODE, NORMAL  
IN MANUAL MODE**

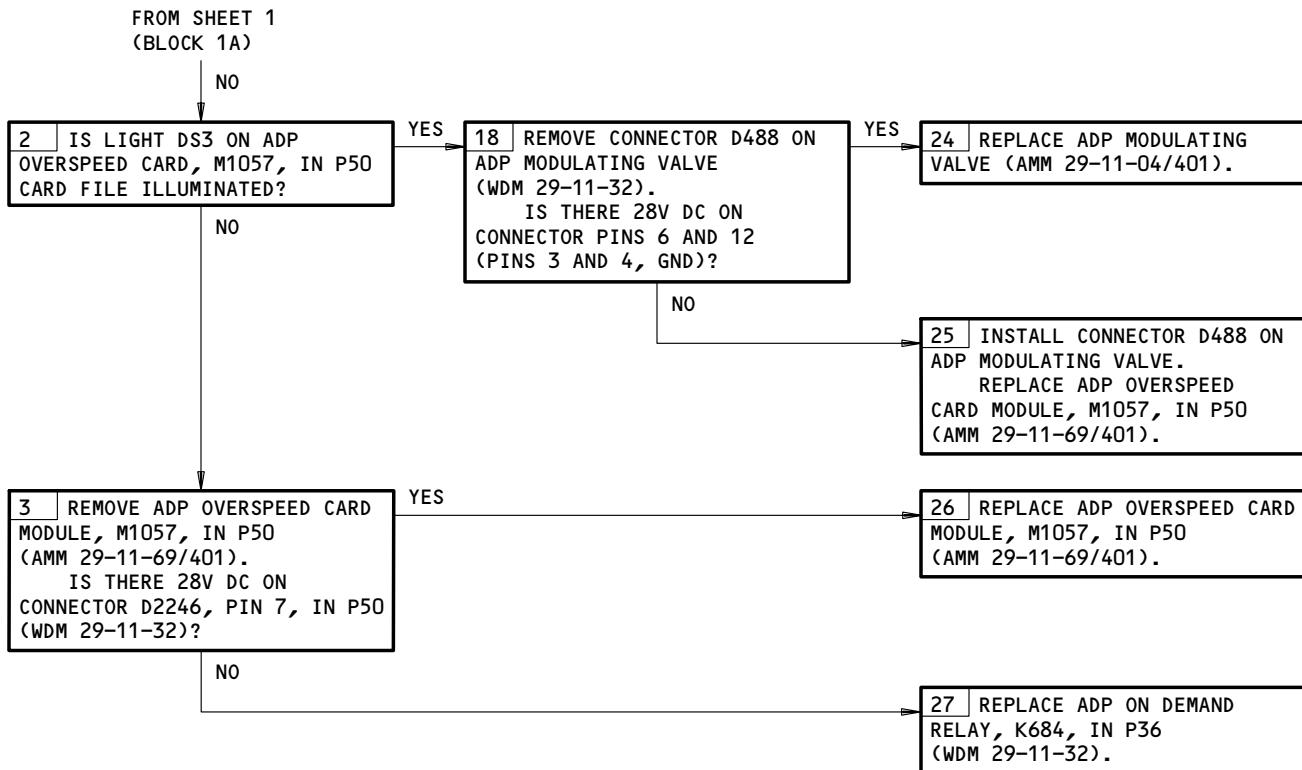


ADP Inoperative in Auto Mode, Normal in Manual Mode  
Figure 112 (Sheet 1)

EFFECTIVITY

ALL

**29-11-00**



ADP Inoperative in Auto Mode, Normal in Manual Mode  
Figure 112 (Sheet 2)

EFFECTIVITY	ALL
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29-11-00

**PREREQUISITES**

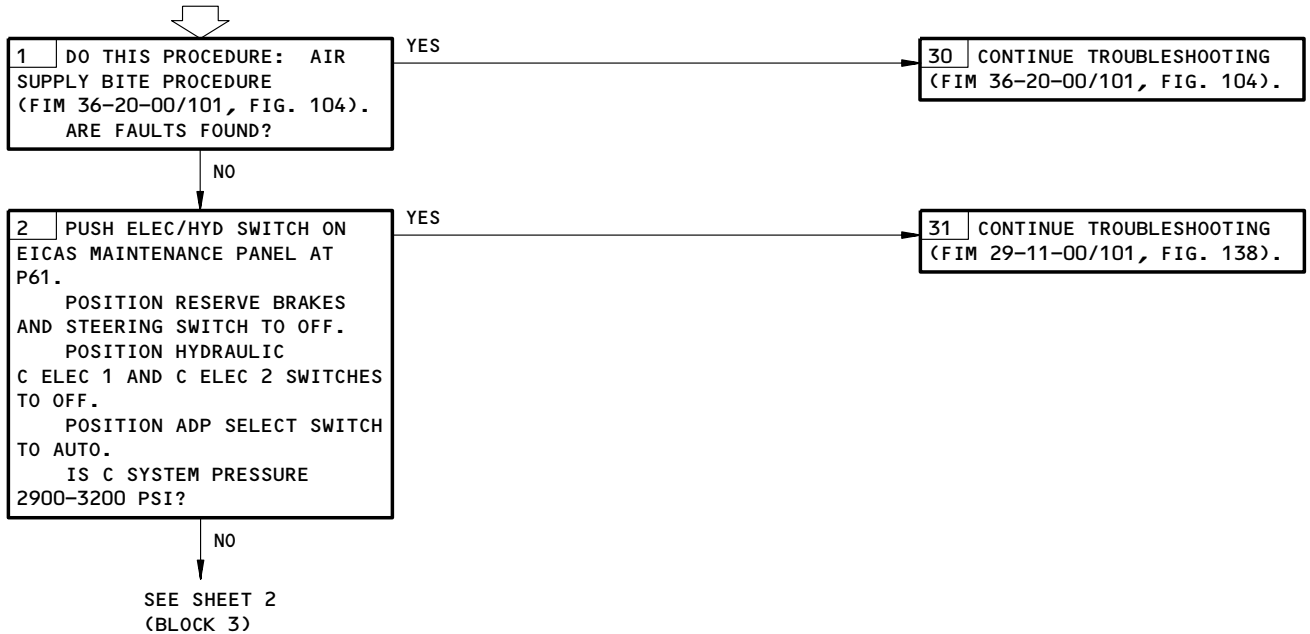
MAKE SURE THESE CIRCUIT BREAKERS ARE CLOSED:  
11D31, 11L18

MAKE SURE THESE CIRCUIT BREAKERS ARE OPEN AND ATTACH  
DO-NOT-CLOSE TAGS:  
11L15, 11L24

MAKE SURE THE AIRPLANE IS IN THIS CONFIGURATION:  
ELECTRICAL POWER IS ON (AMM 24-22-00/201)  
PNEUMATIC POWER IS ON (AMM 36-00-00/201)

**NOTE:** PRESSURIZE PNEUMATIC SYSTEM USING APU POWER.  
ENSURE BOTH PACKS, CARGO HEAT, ADP, ENGINE  
START VALVES, AND ANTI-ICE ARE SELECTED OFF AND  
LEFT, RIGHT AND CENTER ISLN VALVES ARE OPEN,  
UNLESS OTHERWISE SPECIFIED.

**ADP LOW PRESSURE  
LIGHT ILLUMINATED  
IN AUTO MODE OR  
MANUAL MODE**

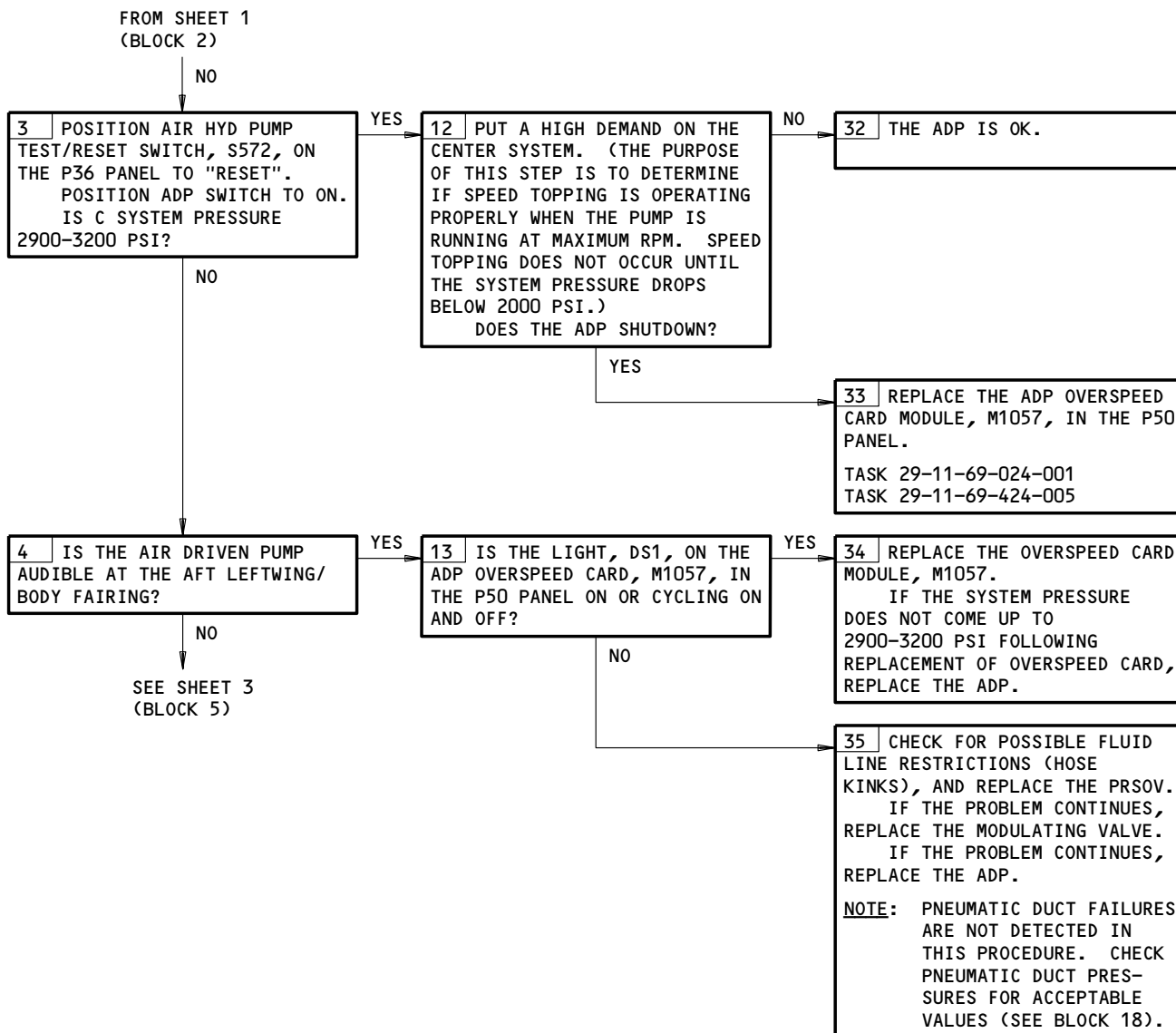


ADP Low Pressure Light Illuminated in Auto Mode or Manual Mode  
Figure 113 (Sheet 1)

EFFECTIVITY	ALL
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**29-11-00**

**BOEING**  
767  
FAULT ISOLATION/MAINT MANUAL



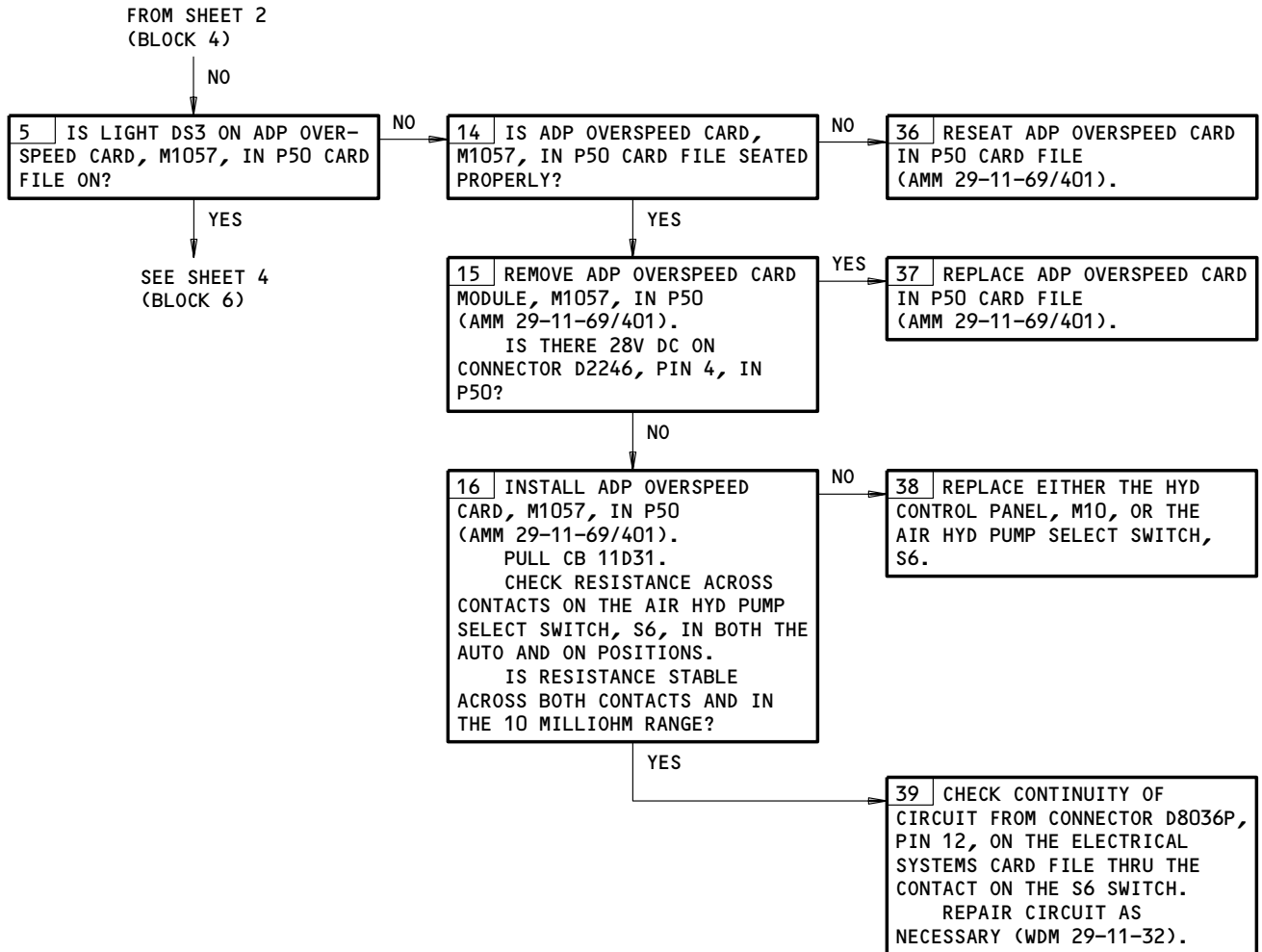
ADP Low Pressure Light Illuminated in Auto Mode or Manual Mode  
Figure 113 (Sheet 2)

EFFECTIVITY

ALL

29-11-00


**BOEING**  
 767  
 FAULT ISOLATION/MAINT MANUAL



ADP Low Pressure Light Illuminated in Auto Mode or Manual Mode  
Figure 113 (Sheet 3)

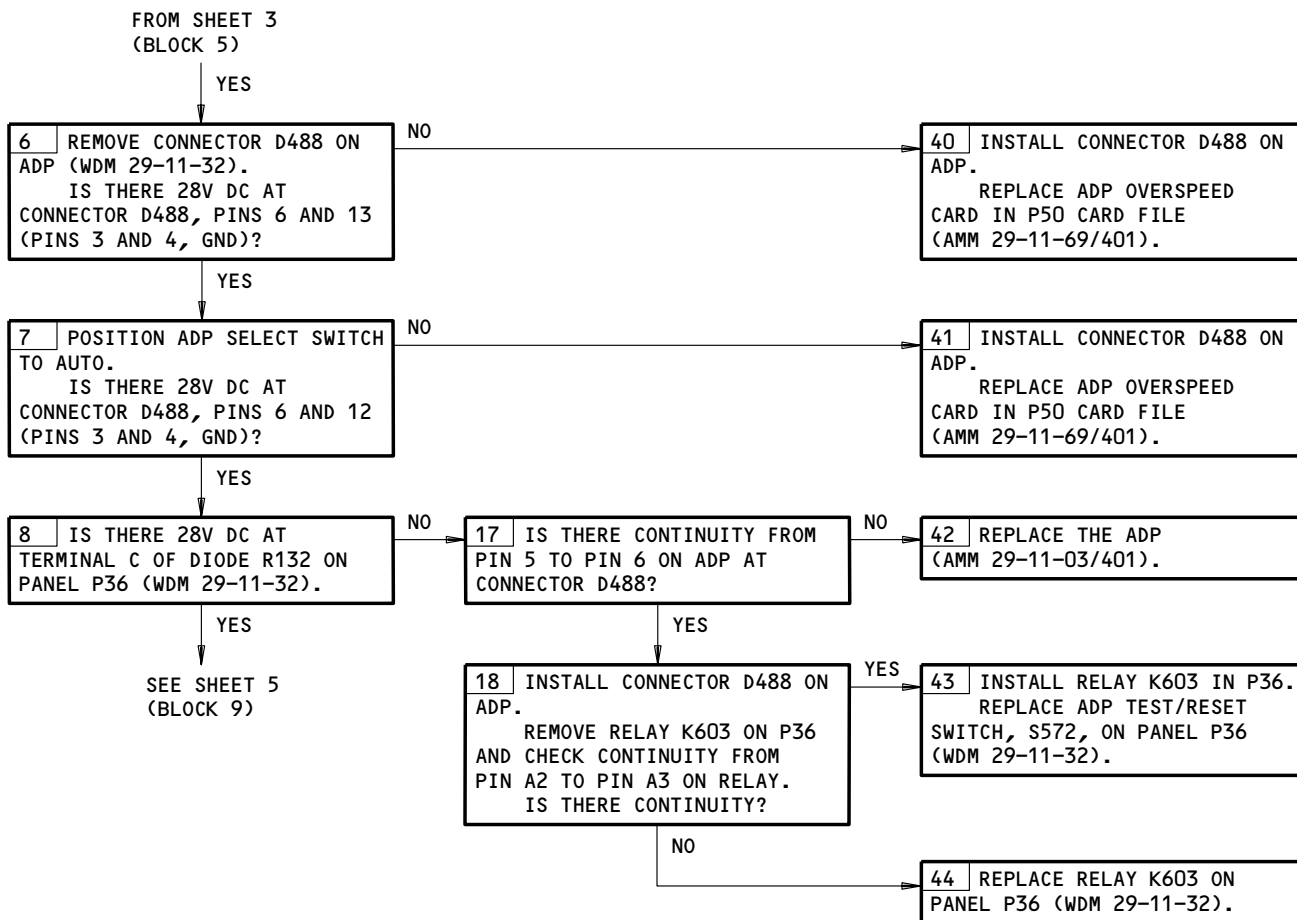
EFFECTIVITY

ALL

29-11-00

18

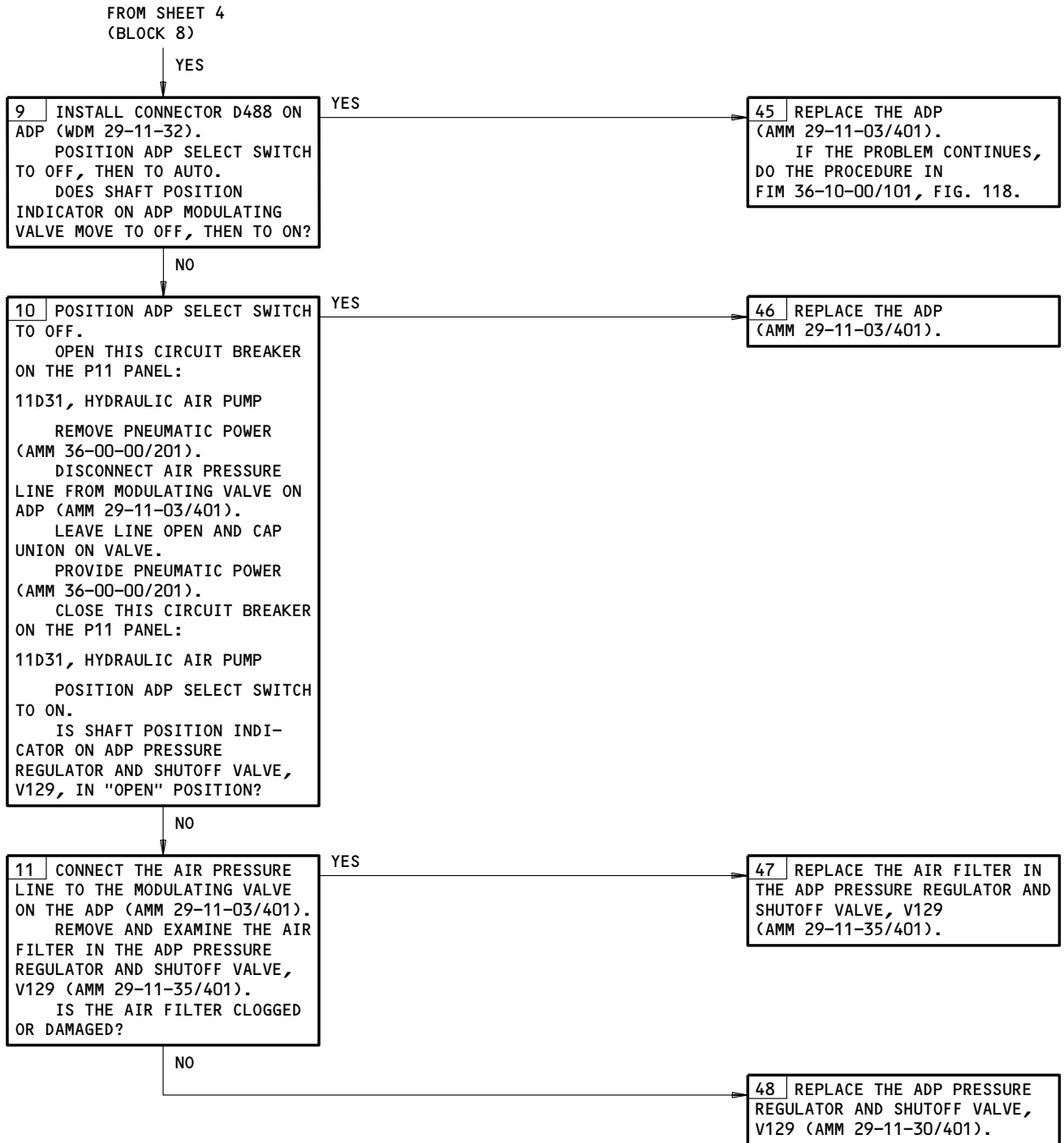
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ADP Low Pressure Light Illuminated in Auto Mode or Manual Mode  
Figure 113 (Sheet 4)

EFFECTIVITY	ALL
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29-11-00



ADP Low Pressure Light Illuminated in Auto Mode or Manual Mode  
Figure 113 (Sheet 5)

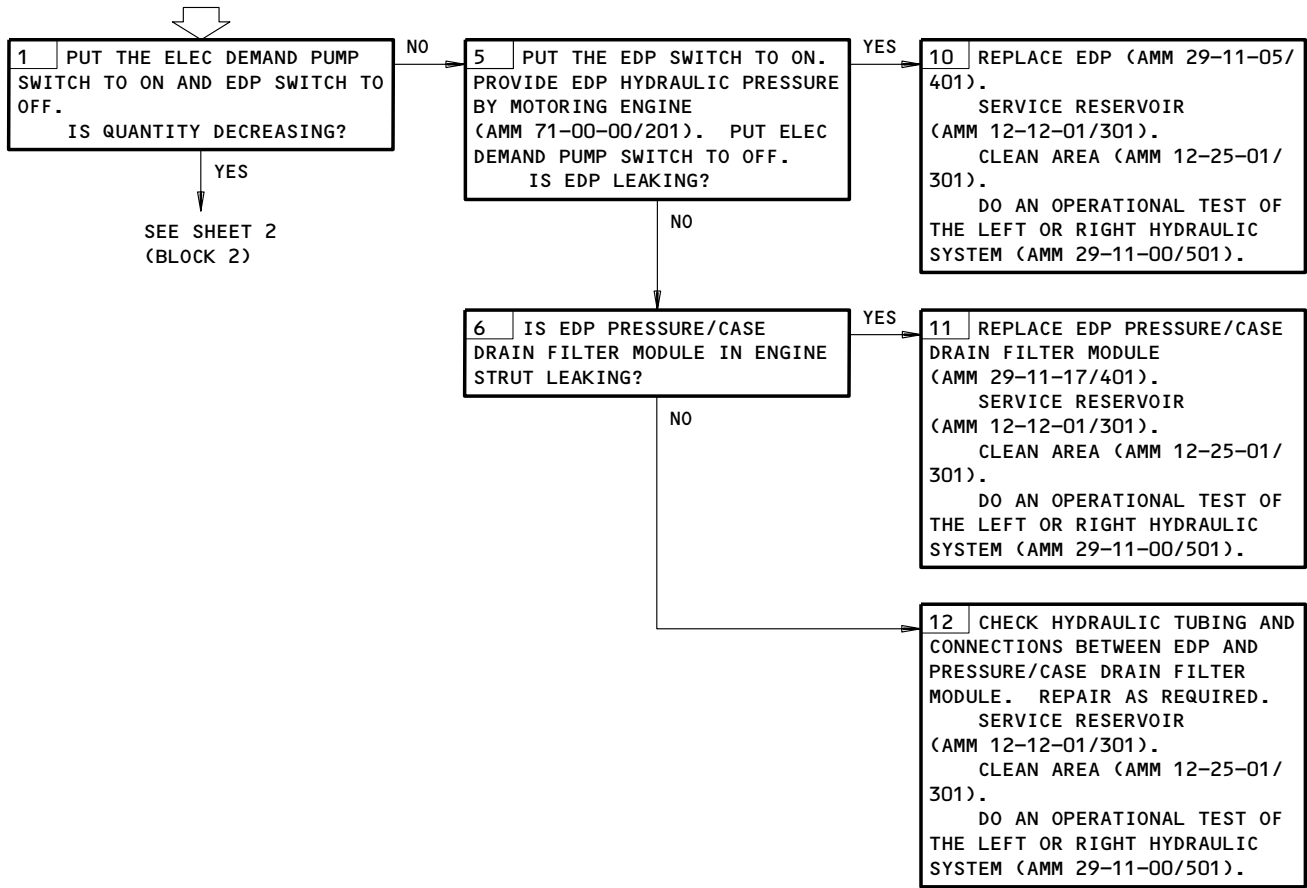
EFFECTIVITY	ALL
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29-11-00

D16097

LEFT OR RIGHT  
HYDRAULIC QUANTITY  
DECREASING REMAINED  
STABLE WITH EDP  
DEPRESSURIZED AND  
ACMP OFF

**PREREQUISITES**  
MAKE SURE THESE CIRCUIT BREAKERS ARE CLOSED:  
11L16,11L20,11L25  
MAKE SURE THE AIRPLANE IS IN THIS CONFIGURATION:  
ELECTRICAL POWER IS ON (AMM 24-22-00/201)  
SYSTEM HYDRAULIC RESERVOIR PRESSURIZED  
(AMM 29-11-00/201)

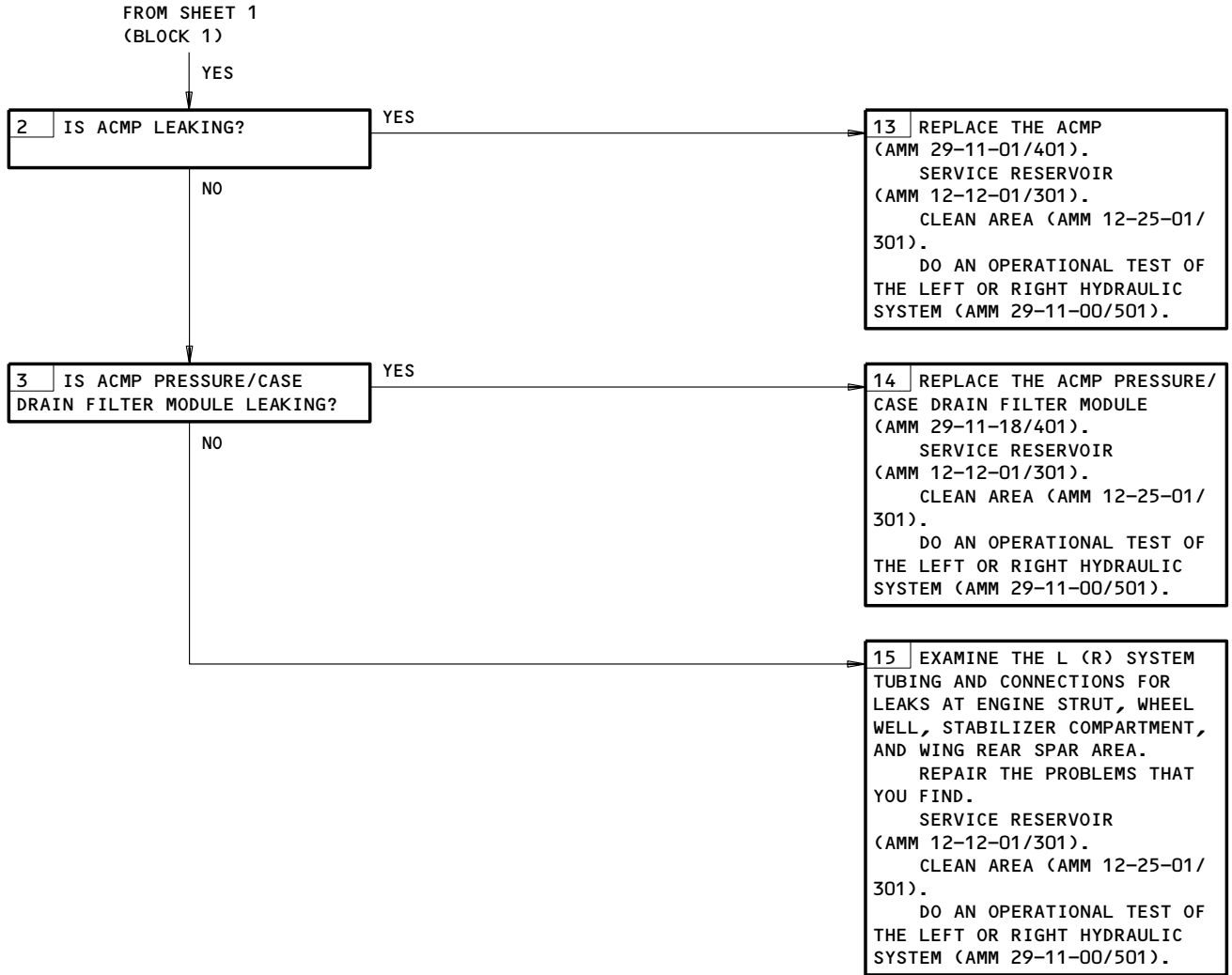


Left or Right Hydraulic Quantity Decreasing Remained Stable with EDP  
Depressurized and ACMP Off  
Figure 114 (Sheet 1)

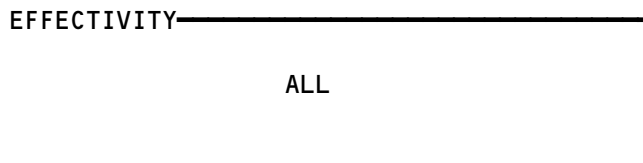
EFFECTIVITY	ALL
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**29-11-00**





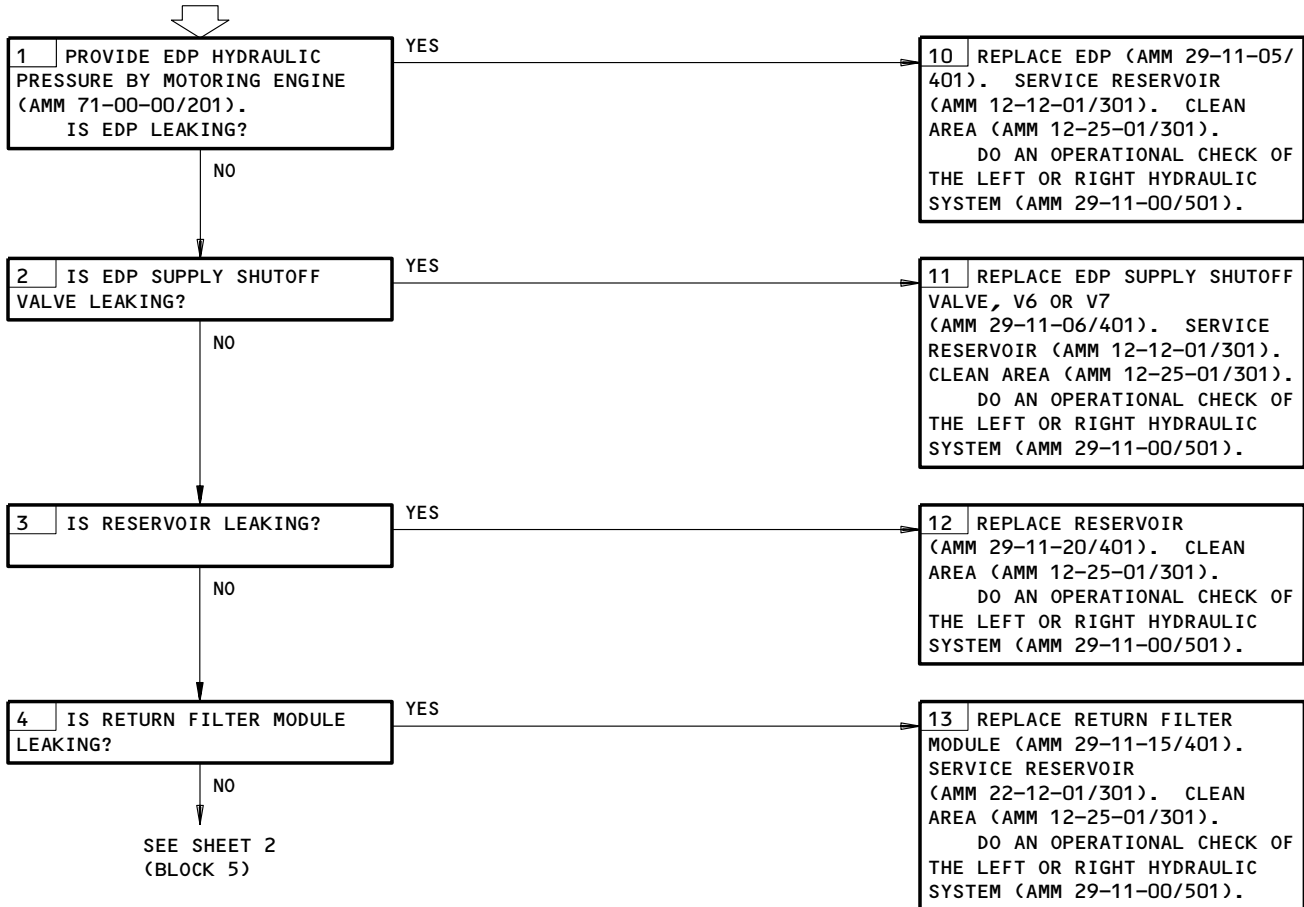
Left or Right Hydraulic Quantity Decreasing Remained Stable with EDP  
Depressurized and ACMP Off  
Figure 114 (Sheet 2)



**29-11-00**

LEFT OR RIGHT  
HYDRAULIC QUANTITY  
DECREASING WITH  
EDP DEPRESSURIZED  
AND ACMP OFF

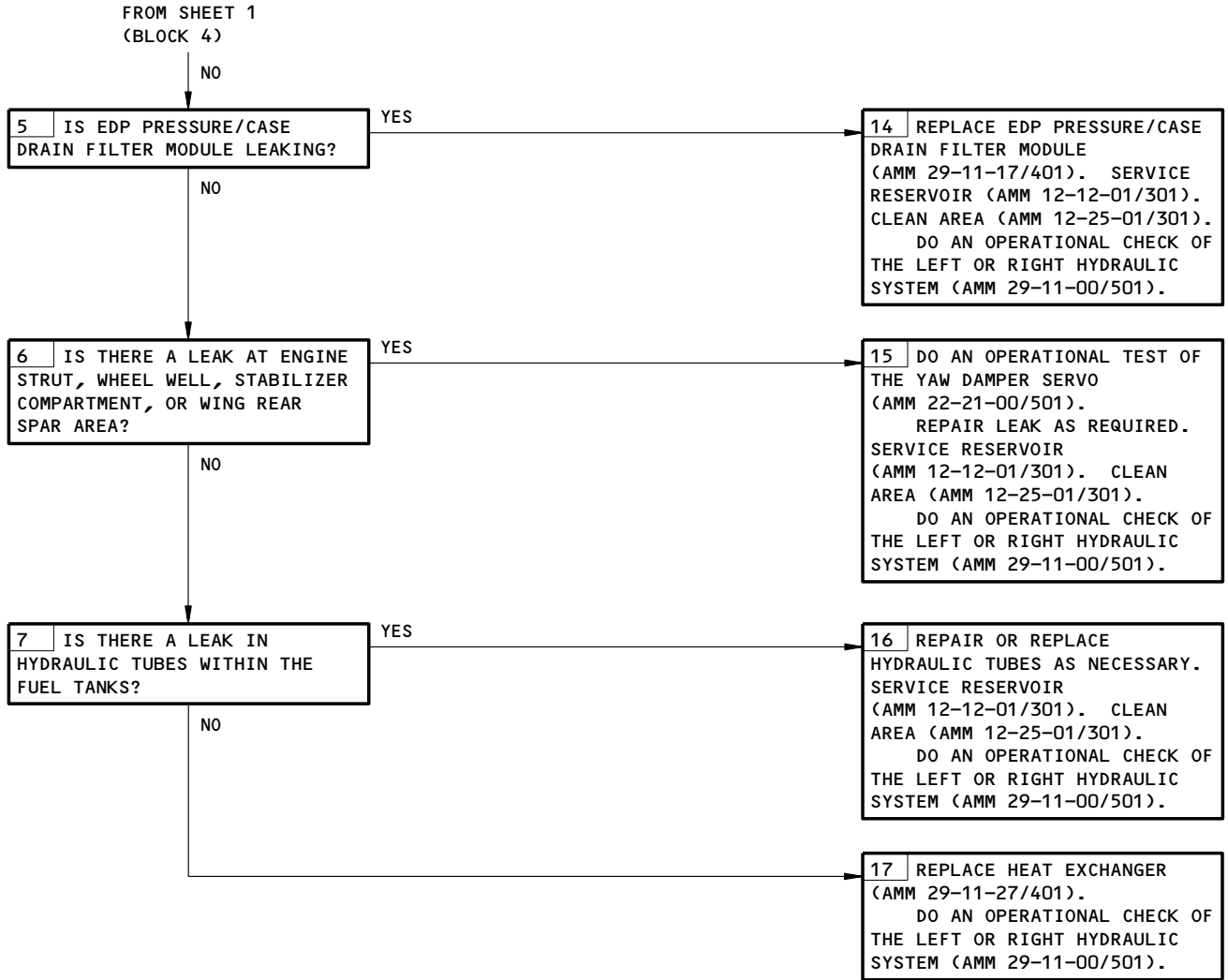
**PREREQUISITES**  
MAKE SURE THE AIRPLANE IS IN THIS CONFIGURATION:  
ELECTRICAL POWER IS ON (AMM 24-22-00/201)  
SYSTEM HYDRAULIC RESERVOIR PRESSURIZED  
(AMM 29-11-00/201)



Left or Right Hydraulic Quantity Decreasing with EDP Depressurized and ACMP Off  
Figure 115 (Sheet 1)

EFFECTIVITY ————  
ALL

**29-11-00**



Left or Right Hydraulic Quantity Decreasing with EDP Depressurized and ACMP Off  
Figure 115 (Sheet 2)

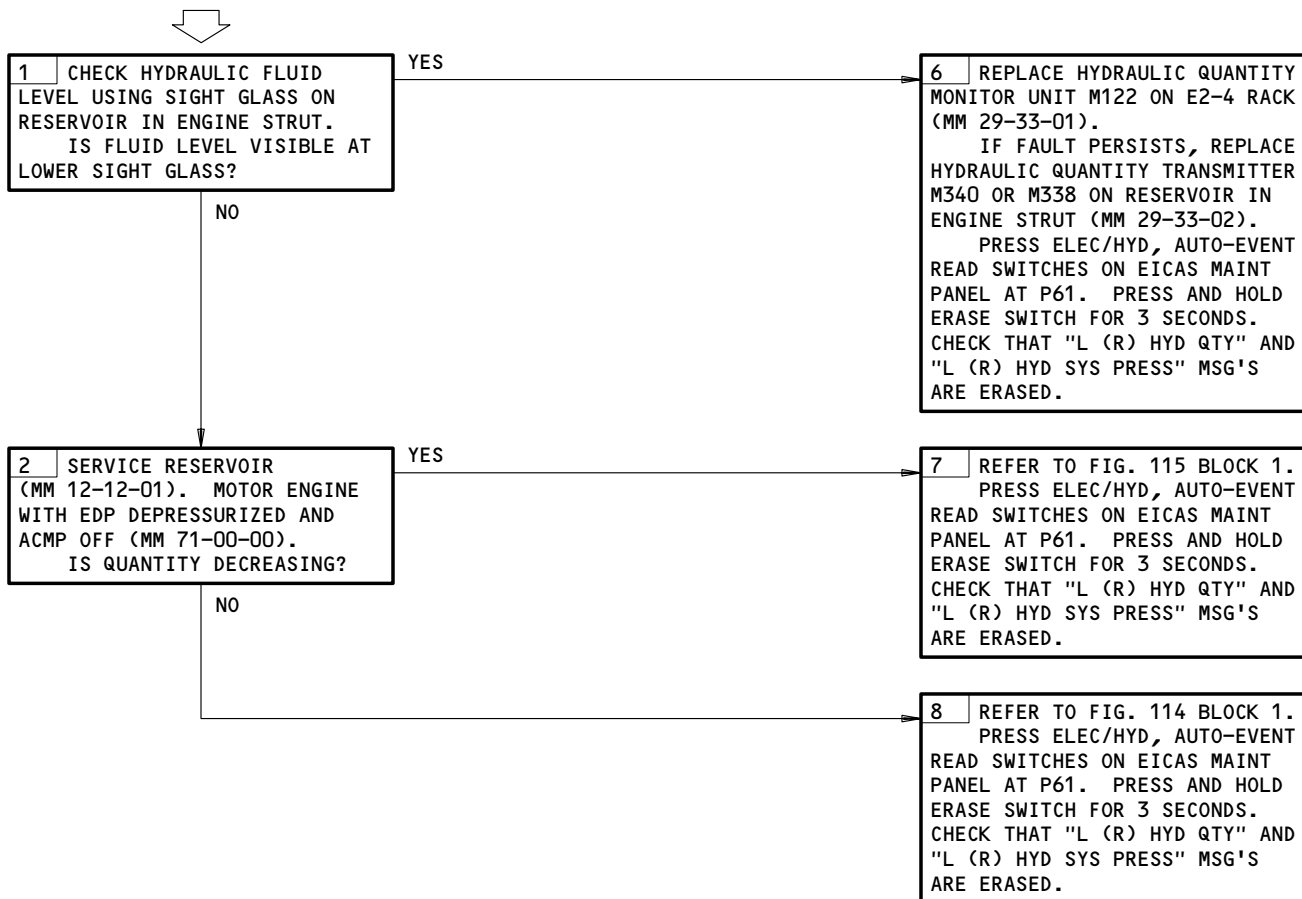
EFFECTIVITY

ALL
-----

29-11-00

L (R) HYDRAULIC QUANTITY INDICATES ZERO, "L (R) HYD QTY" EICAS MESSAGE DISPLAYED

**PREREQUISITES**  
 SYSTEM HYDRAULIC RESERVOIR PRESSURIZED (MM 29-11-00)  
 ELECTRICAL POWER (MM 24-22-00)  
 CB'S: 11L20



L (R) Hydraulic Quantity Indicates Zero, "L (R) HYD QTY" EICAS Message Displayed  
Figure 116

EFFECTIVITY	ALL
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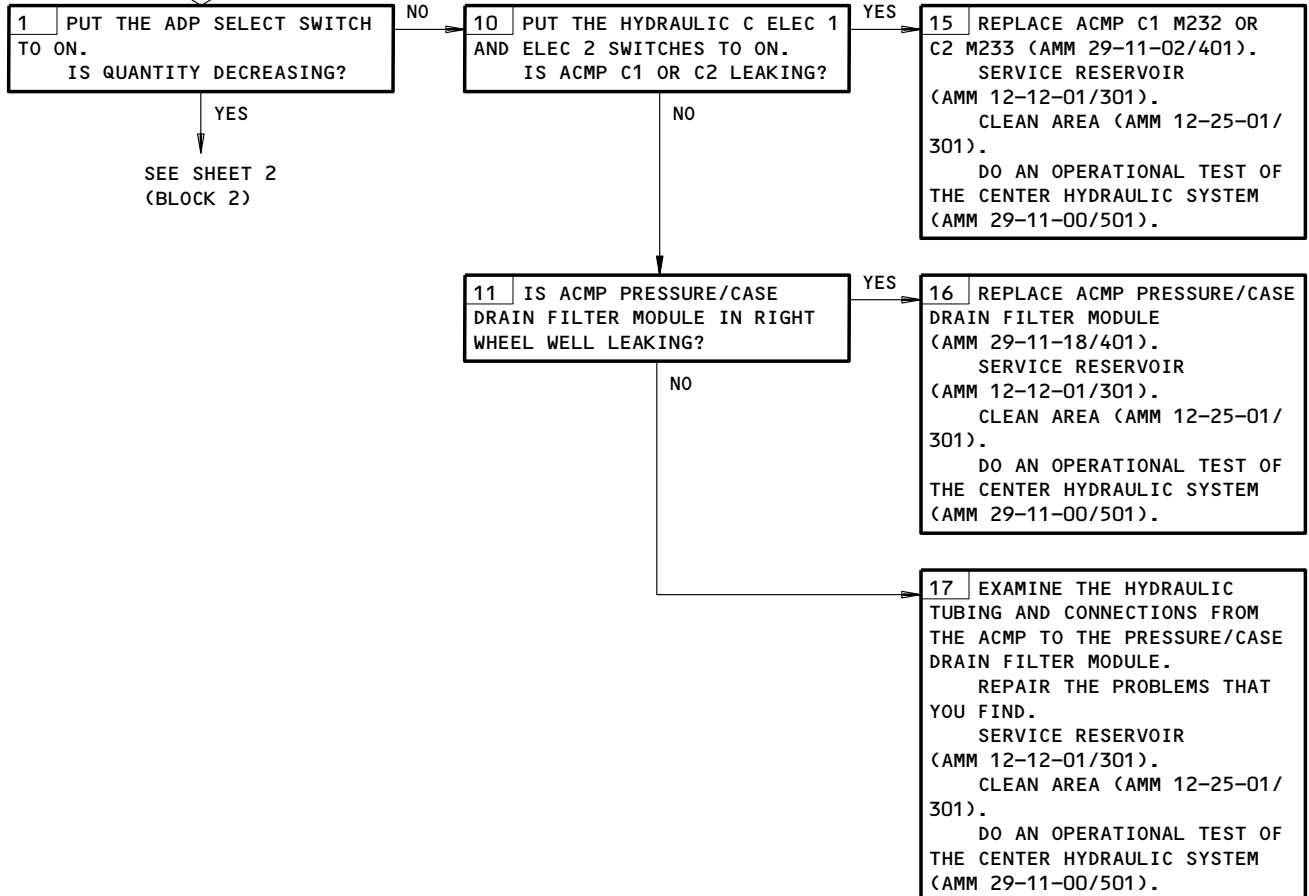
**29-11-00**

CENTER HYDRAULIC  
QUANTITY DECREASING,  
REMAINED STABLE WITH  
SYSTEM DEPRESSURIZED

**PREREQUISITES**

MAKE SURE THESE CIRCUIT BREAKERS ARE CLOSED:  
11L20,11L15,11L24,11D31

MAKE SURE THE AIRPLANE IS IN THIS CONFIGURATION:  
ELECTRICAL POWER IS ON (AMM 24-22-00/201)  
PNEUMATIC POWER IS ON (AMM 36-00-00/201)



Center Hydraulic Quantity Decreasing, Remained Stable With System Depressurized  
Figure 117 (Sheet 1)

EFFECTIVITY

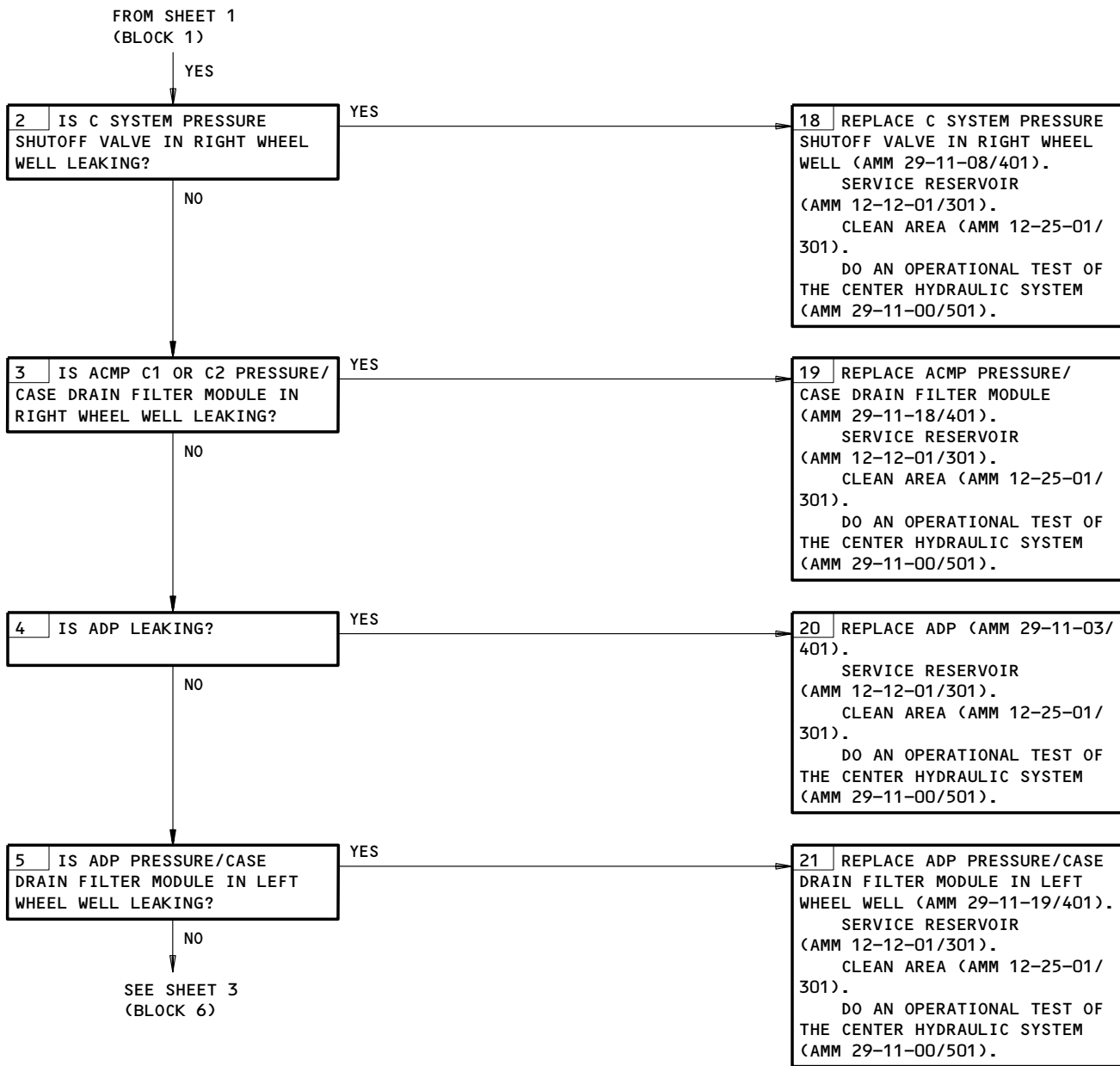
ALL

**29-11-00**

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61916

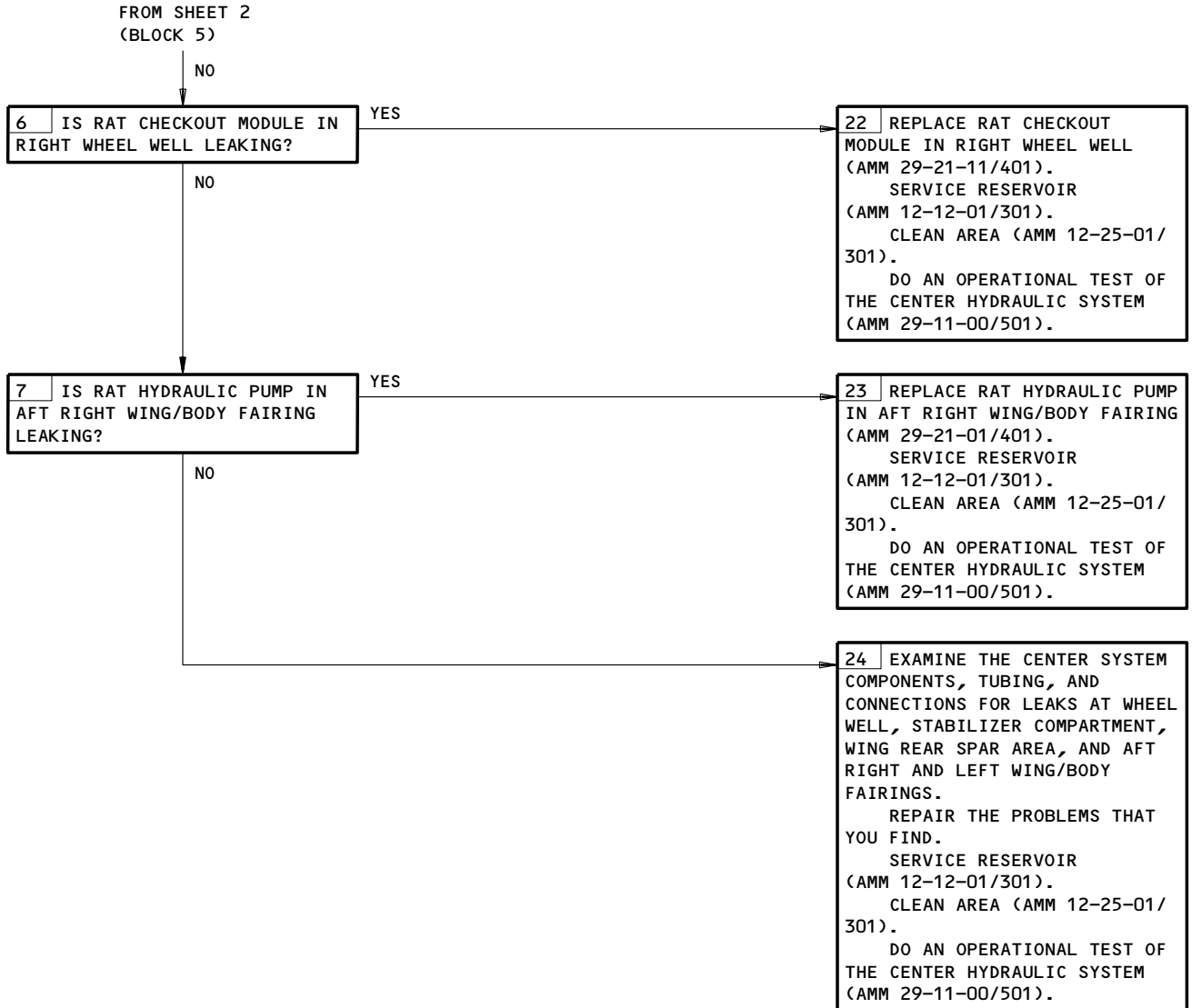


Center Hydraulic Quantity Decreasing, Remained Stable With System Depressurized  
Figure 117 (Sheet 2)

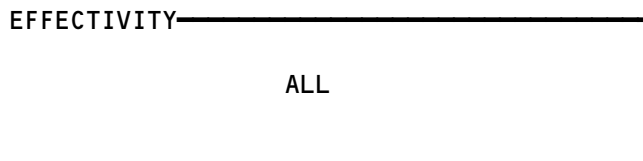
EFFECTIVITY

ALL

29-11-00



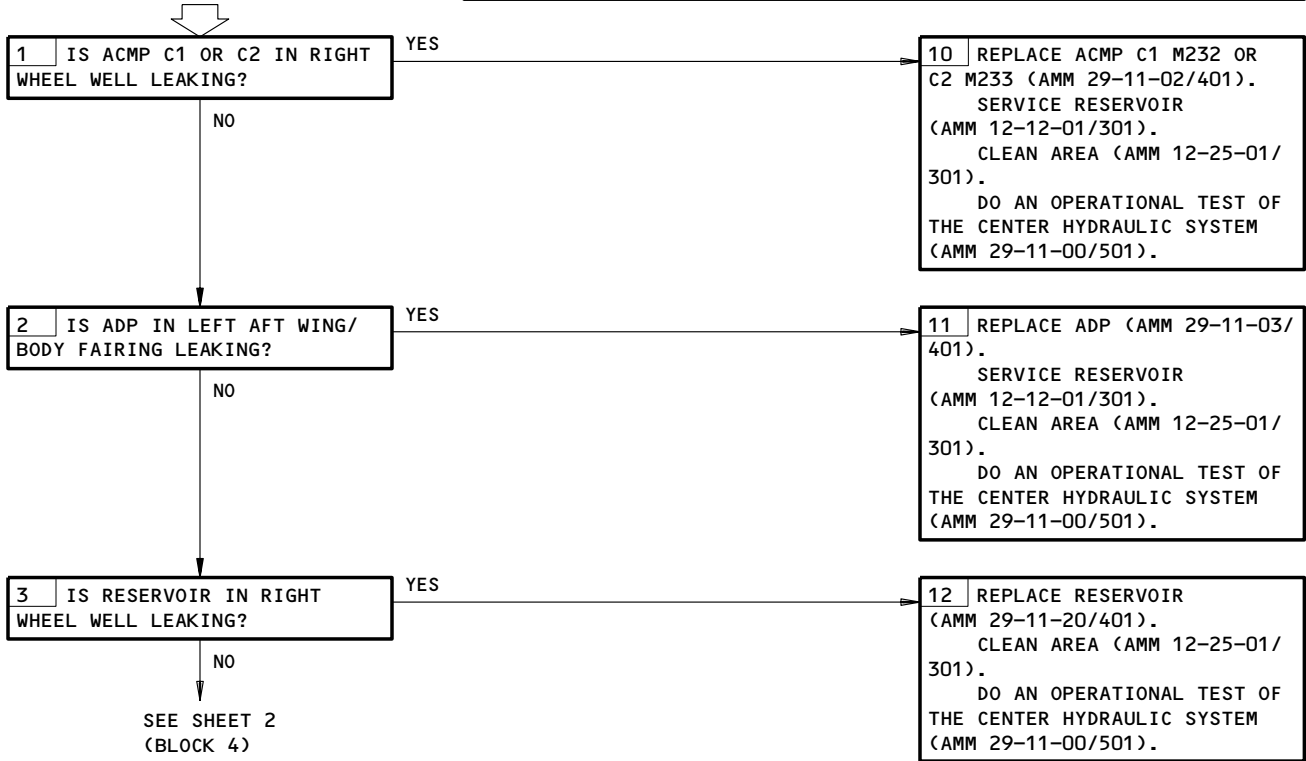
Center Hydraulic Quantity Decreasing, Remained Stable With System Depressurized  
Figure 117 (Sheet 3)



29-11-00

**CENTER HYDRAULIC  
QUANTITY DECREASING  
WITH SYSTEM  
DEPRESSURIZED**

**PREREQUISITES**  
MAKE SURE THE AIRPLANE IS IN THIS CONFIGURATION:  
SYSTEM HYDRAULIC RESERVOIR PRESSURIZED  
(AMM 29-11-00/201)

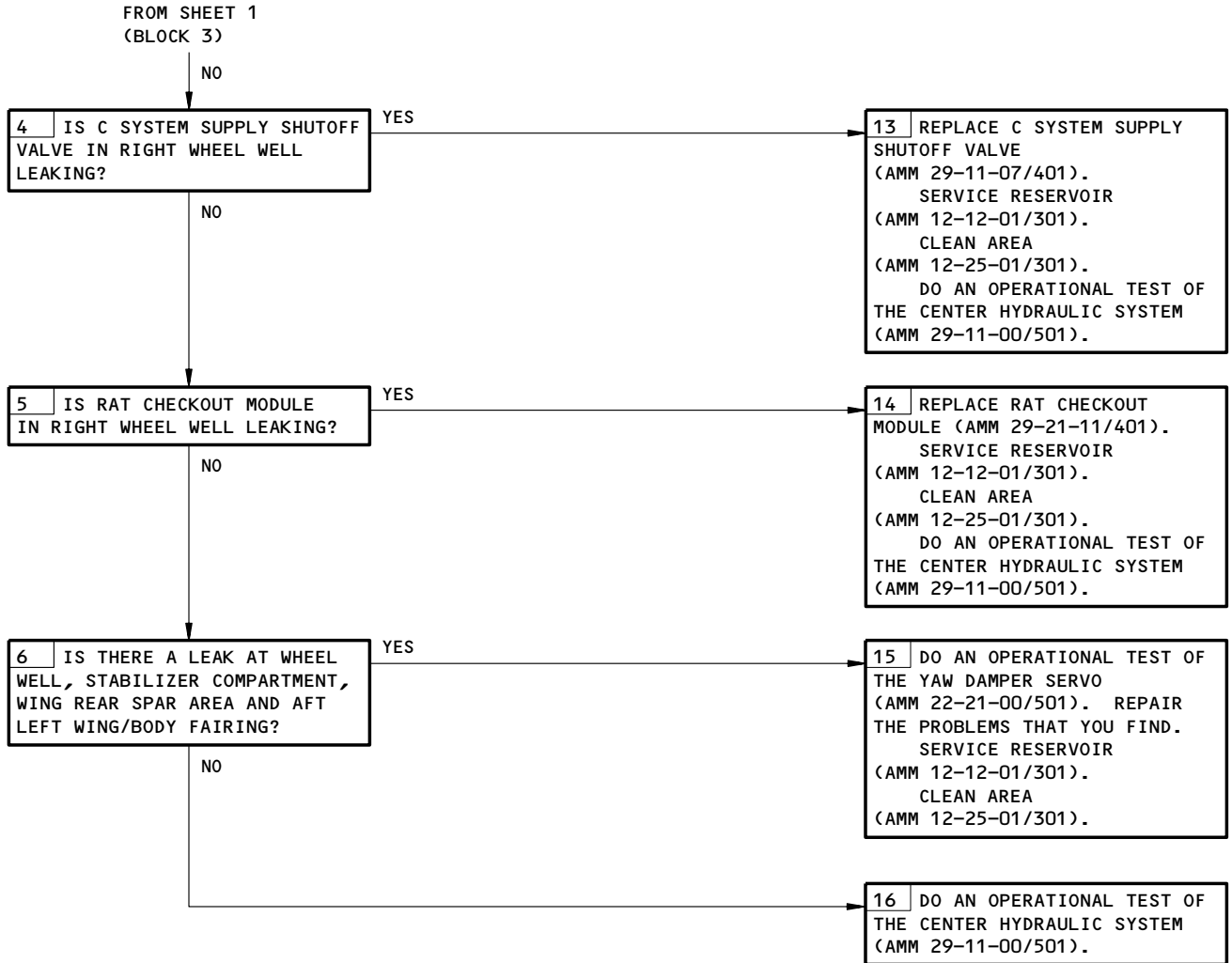


Center Hydraulic Quantity Decreasing with System Depressurized  
Figure 118 (Sheet 1)

EFFECTIVITY	ALL
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**29-11-00**





Center Hydraulic Quantity Decreasing with System Depressurized  
Figure 118 (Sheet 2)

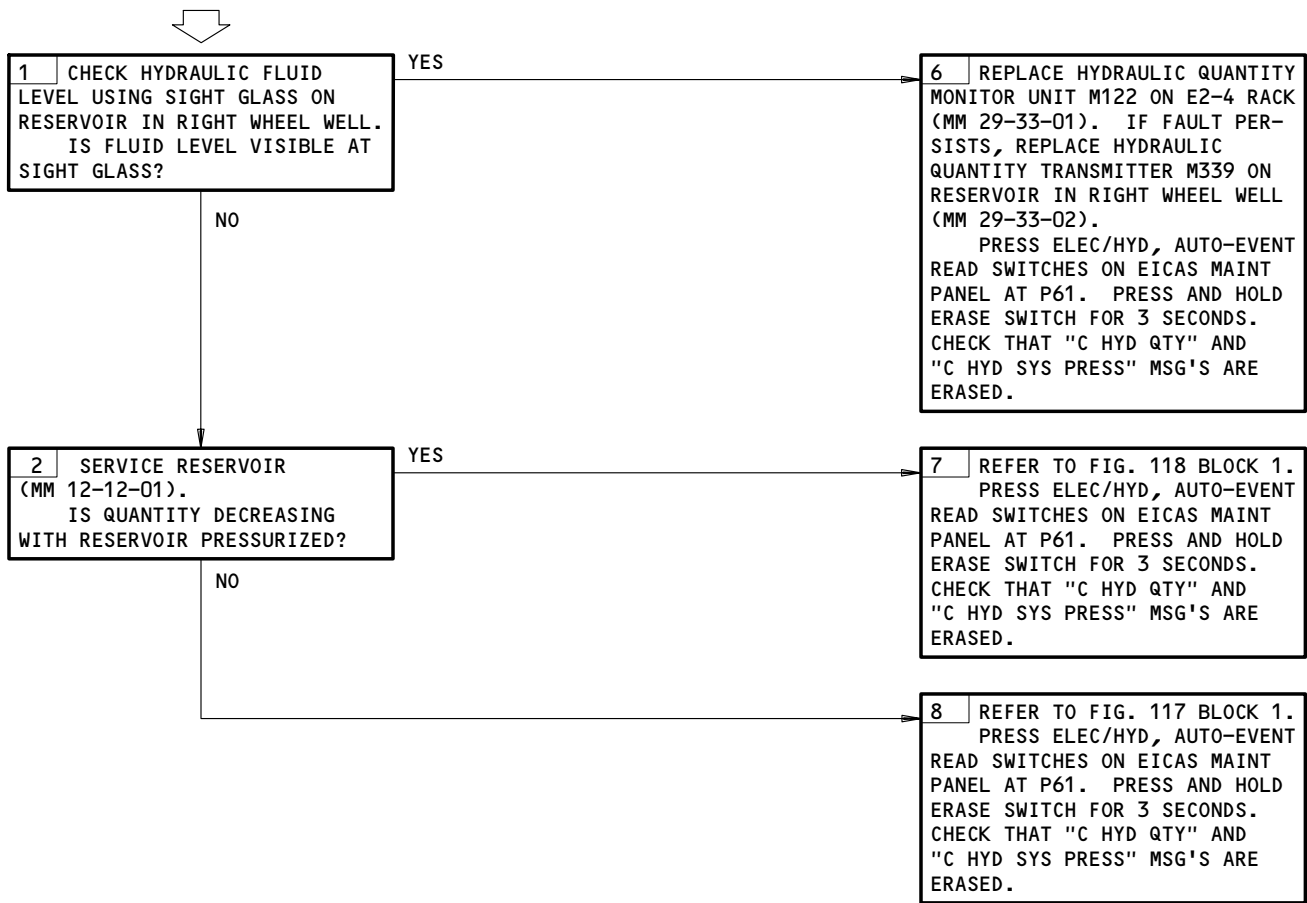
EFFECTIVITY

ALL

29-11-00

CENTER HYDRAULIC  
QUANTITY INDICATES  
ZERO, "C HYD QTY"  
EICAS MESSAGE  
DISPLAYED

**PREREQUISITES**  
ELECTRICAL POWER (MM 24-22-00)  
SYSTEM HYDRAULIC RESERVOIR PRESSURIZED (MM 29-11-00)  
CB'S: 11L20,11L24,11L15,11D31



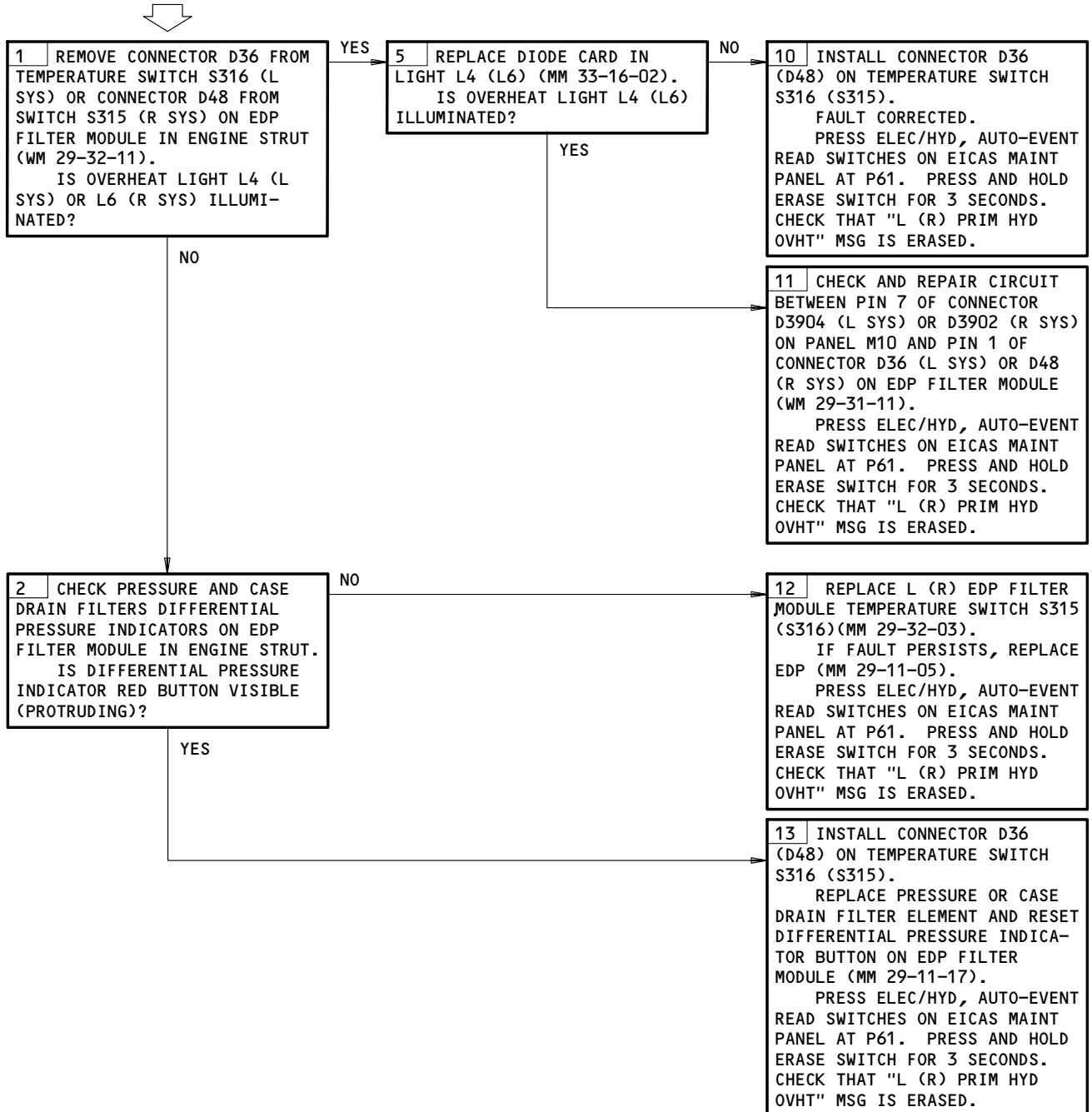
Center Hydraulic Quantity Indicates Zero, "C HYD QTY" EICAS Message Displayed  
Figure 119

EFFECTIVITY ————  
ALL

**29-11-00**

"L (R) EDP" OVERHEAT  
LIGHT ILLUMINATED,  
"L (R) PRIM HYD  
OVHT" EICAS MESSAGE  
DISPLAYED

**PREREQUISITES**  
ELECTRICAL POWER (MM 24-22-00)  
EICAS (MM 31-41-00)



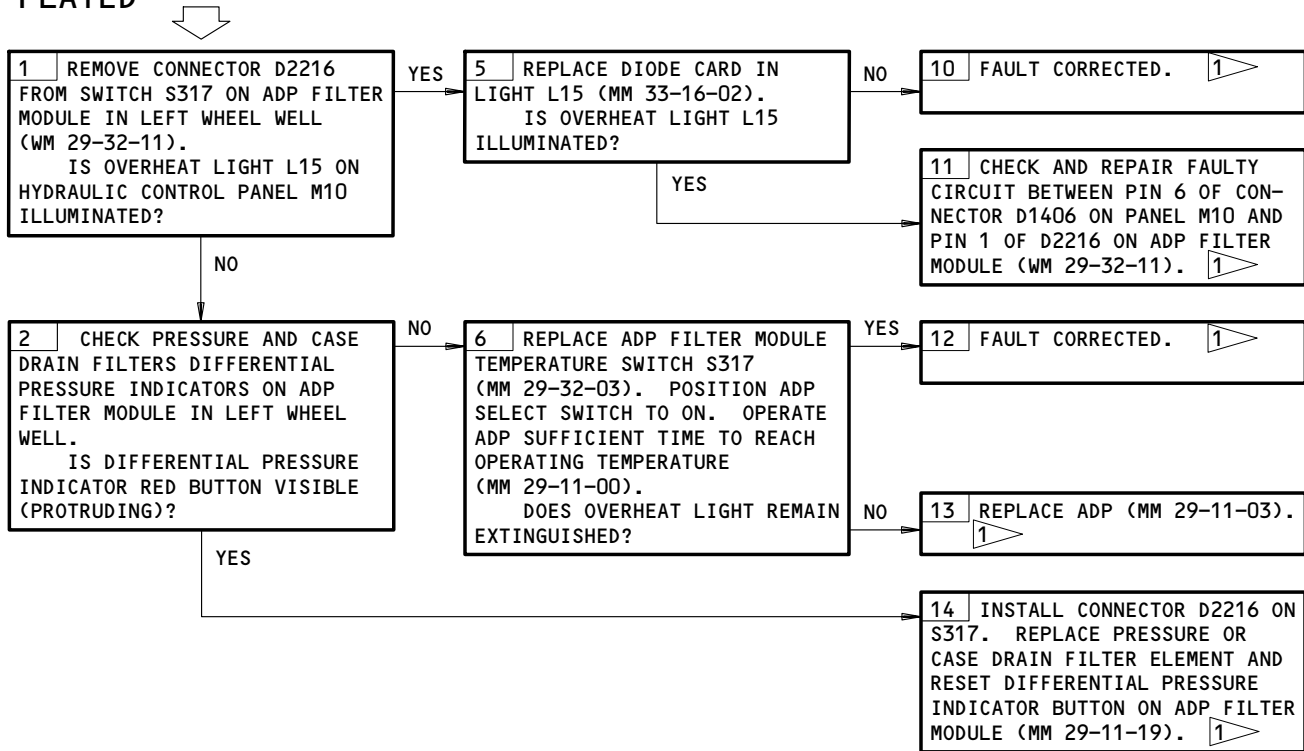
L (R) EDP Overheat Light Illuminated, L (R) PRIM HYD OVHT  
EICAS Message Displayed  
Figure 120

EFFECTIVITY	ALL
-------------	-----

**29-11-00**

"C ADP" OVERHEAT  
LIGHT ILLUMINATED,  
"C DEM HYD OVHT"  
EICAS MESSAGE DIS-  
PLAYED

**PREREQUISITES**  
ELECTRICAL POWER (MM 24-22-00)  
PNEUMATIC POWER (MM 36-00-00)  
CB'S: 11D31



1 PRESS ELEC/HYD, AUTO-EVENT READ SWITCHES ON EICAS MAINT PANEL AT P61. PRESS AND HOLD ERASE SWITCH FOR 3 SECONDS. CHECK THAT "C DEM HYD OVHT" MSG IS ERASED.

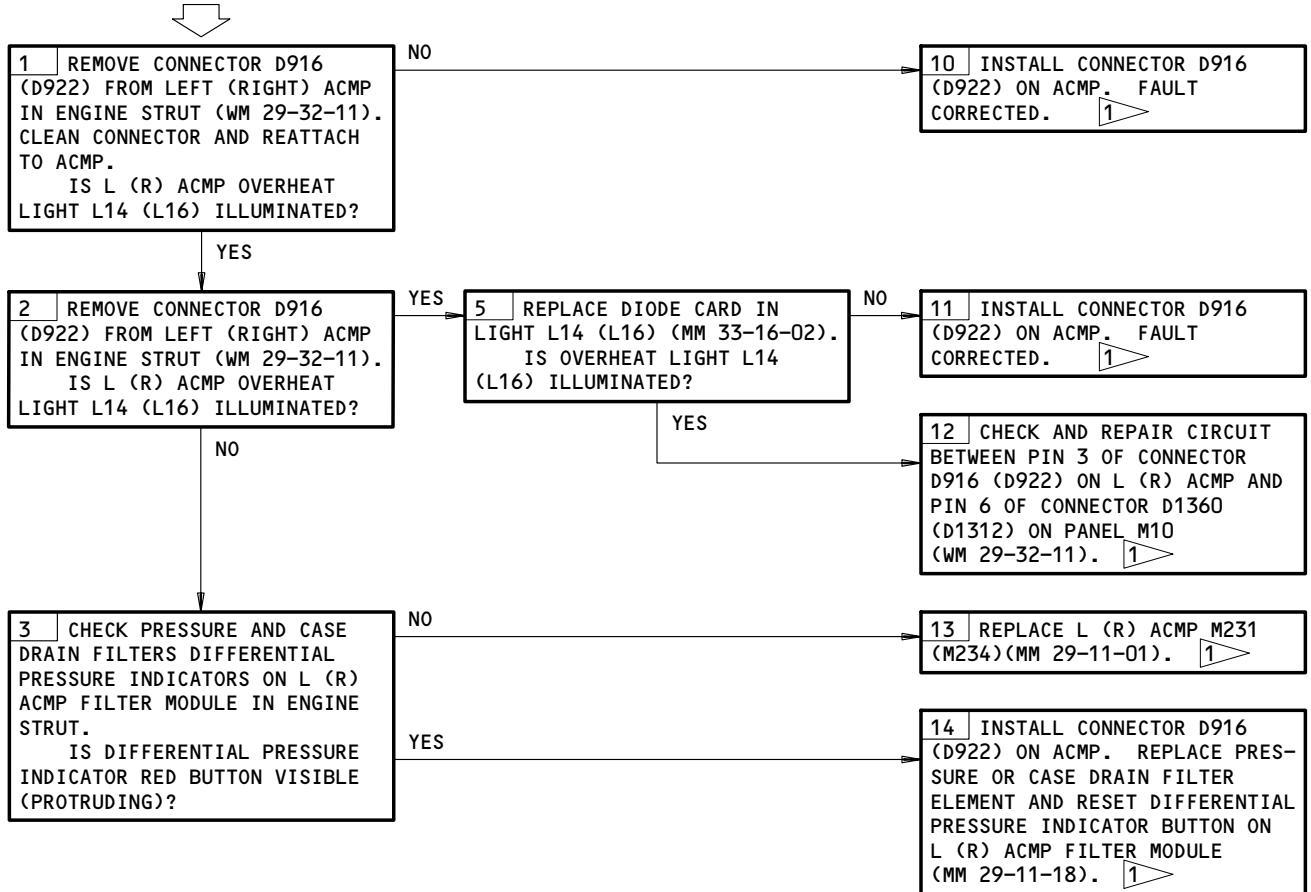
C ADP Overheat Light Illuminated, C DEM HYD OVHT EICAS Message Displayed  
Figure 121

EFFECTIVITY	ALL
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29-11-00

"L (R) ACMP" OVER-HEAT LIGHT ILLUMINATED, "L (R) DEM HYD OVHT" EICAS MESSAGE DISPLAYED

**PREREQUISITES**  
ELECTRICAL POWER (MM 24-22-00)  
EICAS (MM 31-41-00)



1 PRESS ELEC/HYD, AUTO EVENT READ SWITCHES ON EICAS MAINT PANEL AT P61. PRESS AND HOLD ERASE SWITCH FOR 3 SECONDS. CHECK THAT "L (R) DEM HYD OVHT" MSG IS ERASED.

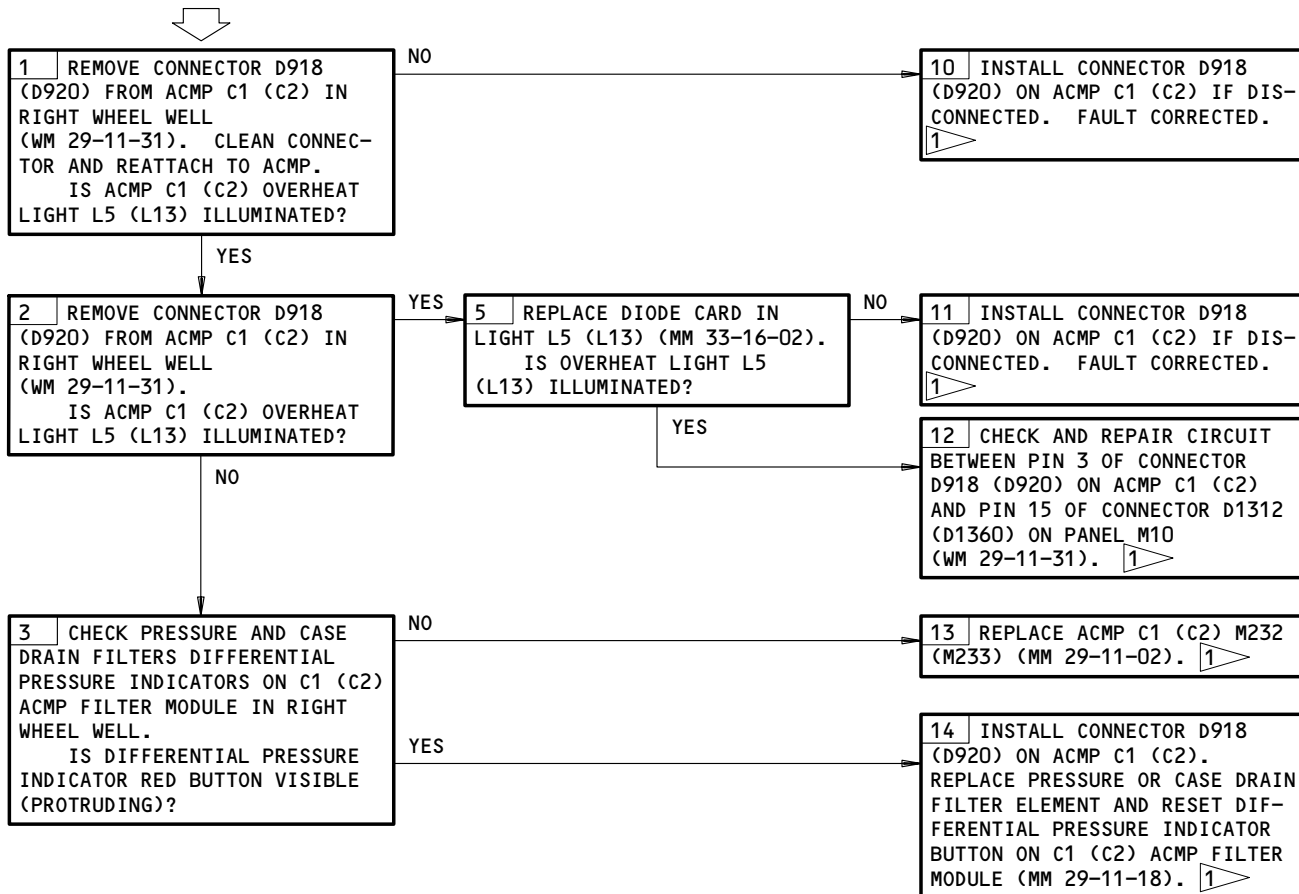
L (R) ACMP Overheat Light Illuminated, L (R) DEM HYD OVHT  
EICAS Message Displayed  
Figure 122

EFFECTIVITY	ALL
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29-11-00

"C1/C2 ACMP" OVER-HEAT LIGHT ILLUMINATED, "C HYD 1 (2) OVHT" EICAS MESSAGE DISPLAYED.

**PREREQUISITES**  
ELECTRICAL POWER (MM 24-22-00)  
EICAS (MM 31-41-00)



1 PRESS ELEC/HYD, AUTO EVENT READ SWITCHES ON EICAS MAINT PANEL AT P61. PRESS AND HOLD ERASE SWITCH FOR 3 SECONDS. CHECK THAT "C HYD 1 (2) OVHT" MSG IS ERASED.

C1 (C2) ACMP Overheat Light Illuminated, C HYD 1 (2) OVHT  
EICAS Message Displayed  
Figure 123

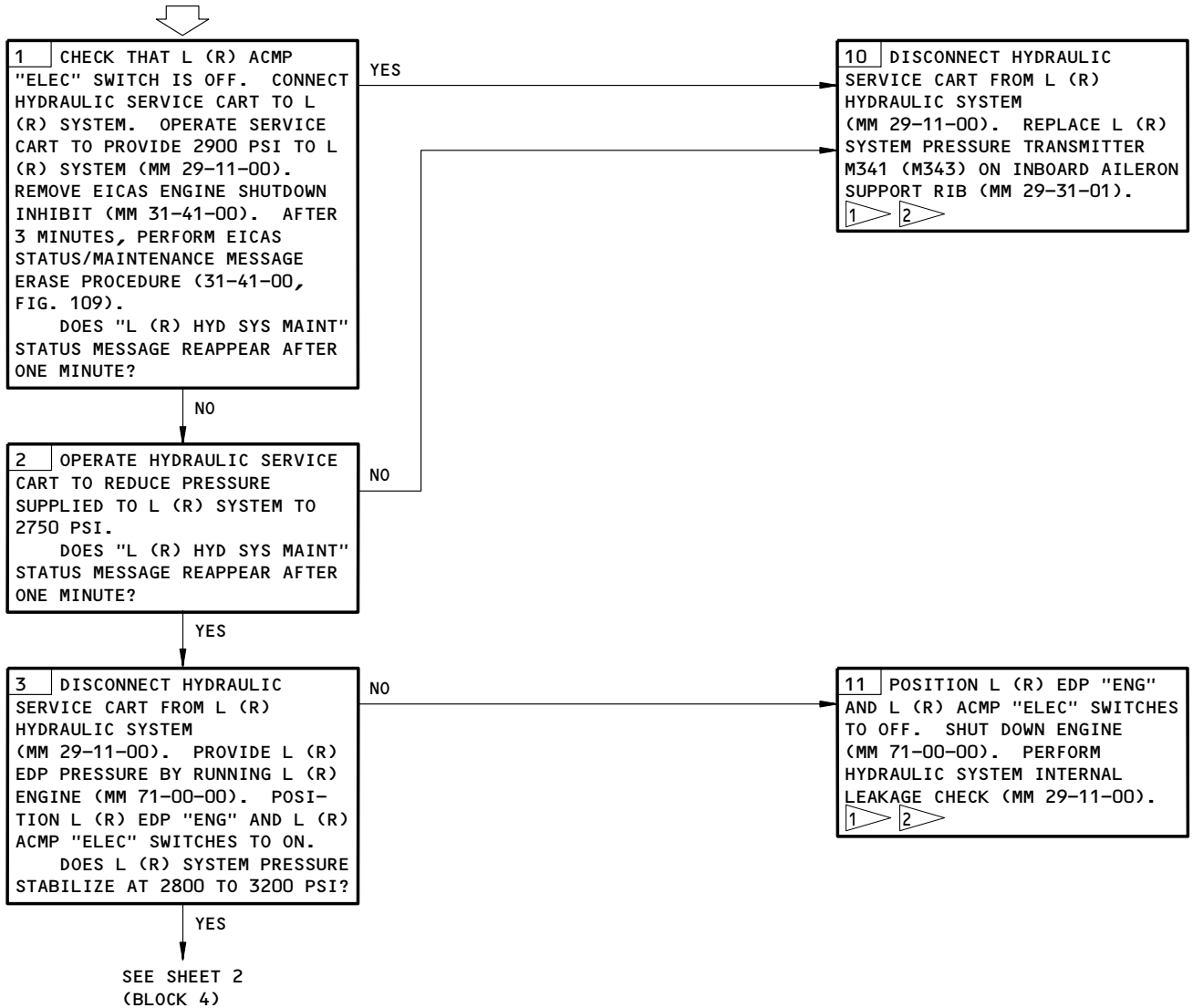
EFFECTIVITY

ALL

29-11-00

**"L (R) HYD SYS MAINT" EICAS MESSAGE ILLUMINATED**

**PREREQUISITES**  
EICAS (MM 31-41-00)  
ELECTRICAL POWER (MM 24-22-00)  
BOTH ENGINES OFF (MM 71-00-00)  
CB'S: 11L14,11L16,11L17,11L23,11L25,11L26

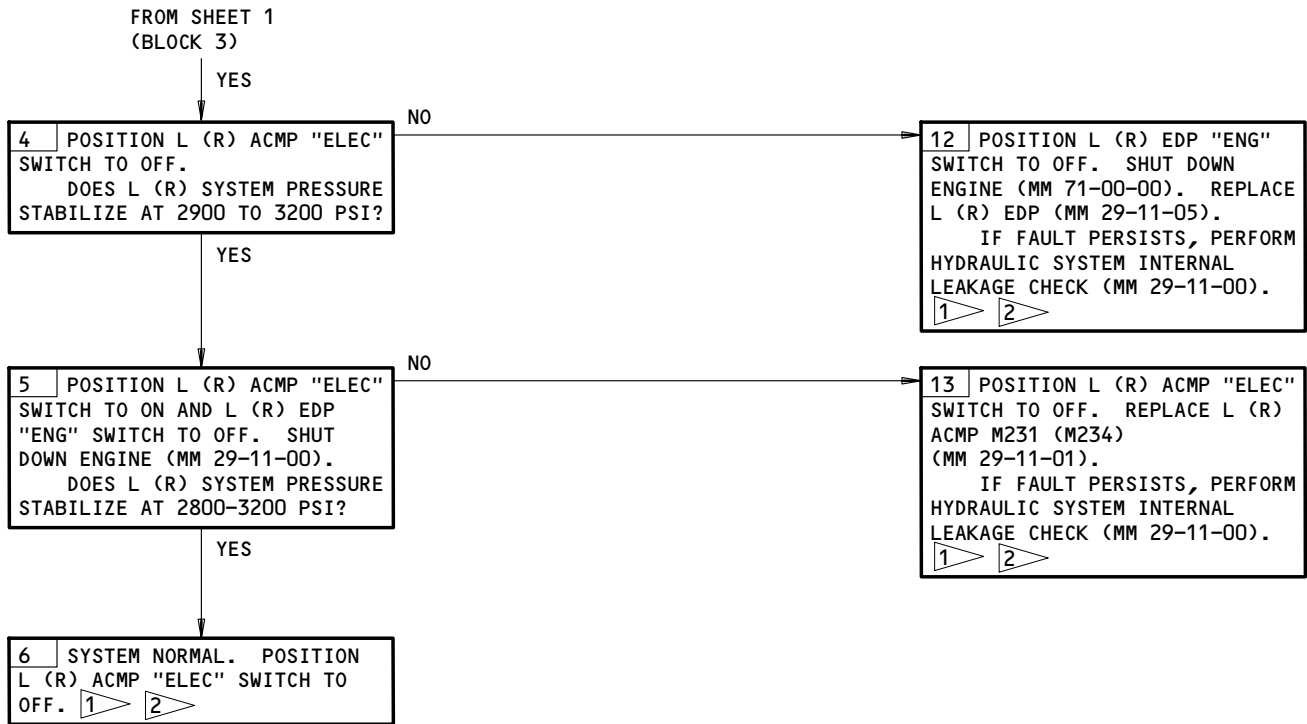


- 1 ERASE "L (R) HYD SYS MAINT" MESSAGE (31-41-00, FIG. 109)
- 2 RESTORE EICAS ENGINE SHUTDOWN INHIBIT (MM 31-41-00)

L (R) HYD SYS MAINT EICAS Message Illuminated  
Figure 124 (Sheet 1)

EFFECTIVITY	ALL
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**29-11-00**



L (R) HYD SYS MAINT EICAS Message Illuminated  
Figure 124 (Sheet 2)

EFFECTIVITY	ALL
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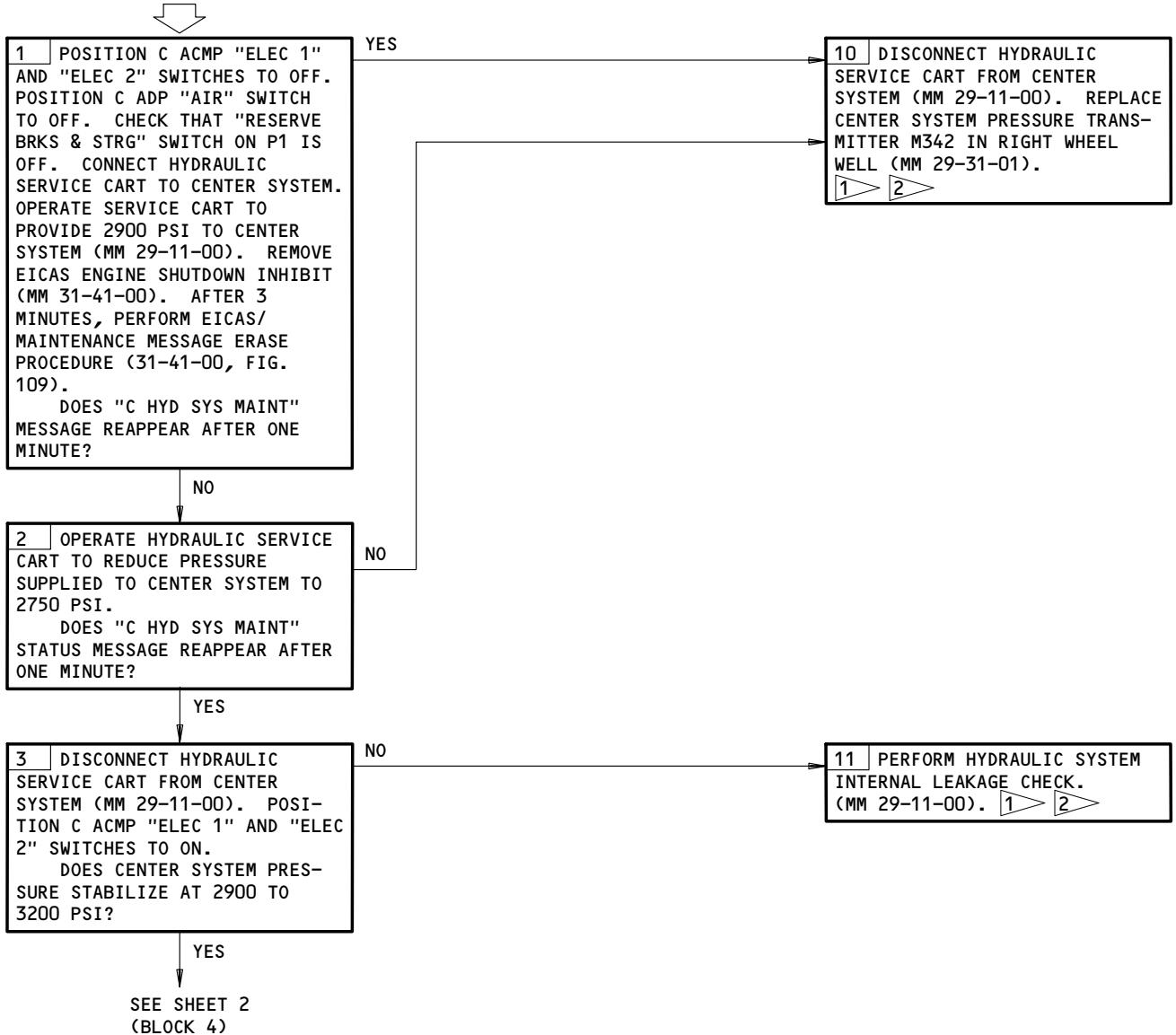
29-11-00



**"C HYD SYS MAINT"  
EICAS MESSAGE  
ILLUMINATED**

**PREREQUISITES**

PNEUMATIC POWER (MM 36-00-00)  
ELECTRICAL POWER (MM 24-22-00)  
EICAS (MM 31-41-00)  
CB'S: 11D31,11L15,11L18,11L24

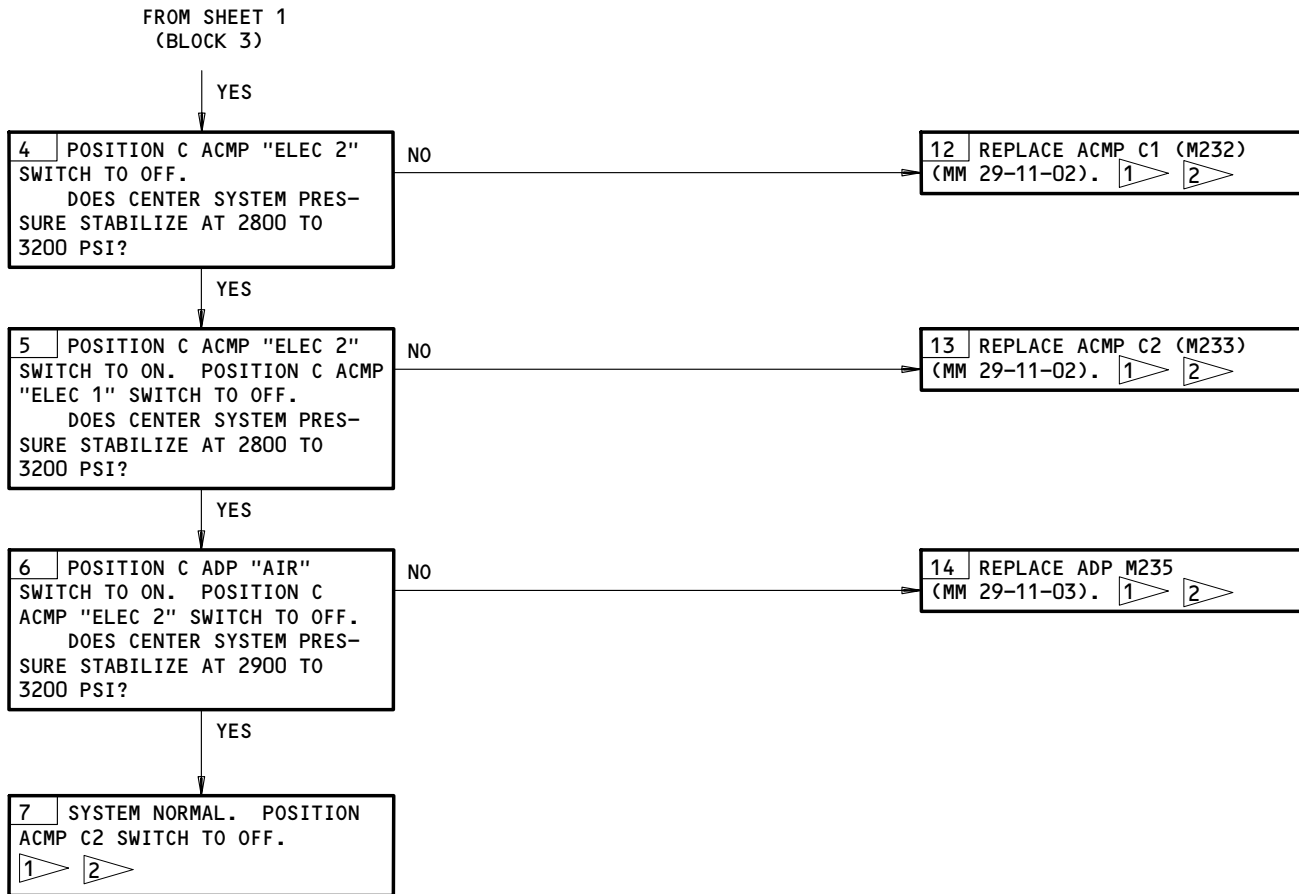


- 1 ▷ ERASE "C HYD SYS MAINT" MESSAGE (31-41-00, FIG. 109)
- 2 ▷ RESTORE EICAS ENGINE SHUTDOWN INHIBIT (MM 31-41-00)

C HYD SYS MAINT EICAS Message Illuminated  
Figure 125 (Sheet 1)

EFFECTIVITY	ALL
-------------	-----

29-11-00



- 1 ▷ ERASE "C HYD SYS MAINT" MESSAGE (31-41-00, FIG. 109)
- 2 ▷ RESTORE EICAS ENGINE SHUTDOWN INHIBIT (MM 31-41-00)

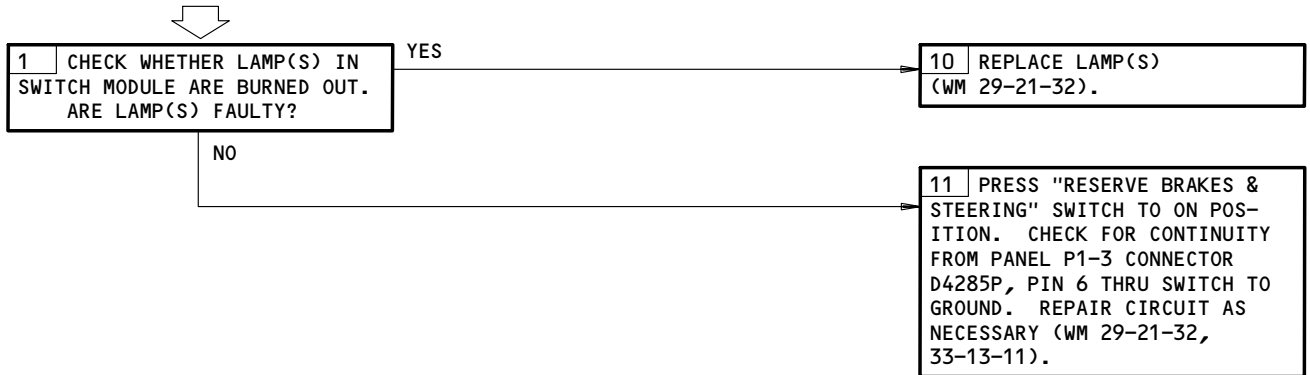
C HYD SYS MAINT EICAS Message Illuminated  
Figure 125 (Sheet 2)

EFFECTIVITY	ALL
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29-11-00

RESERVE BRAKE &  
 STEERING SW "ON"  
 LGT FAILS TO ILLUM  
 WITH SWITCH PRESSED  
 ON, "RSV BRAKE VAL"  
 EICAS MESSAGE NOT  
 DISPLAYED

**PREREQUISITES**  
 ELECTRICAL POWER (MM 24-22-00)  
 CB'S: 11P2



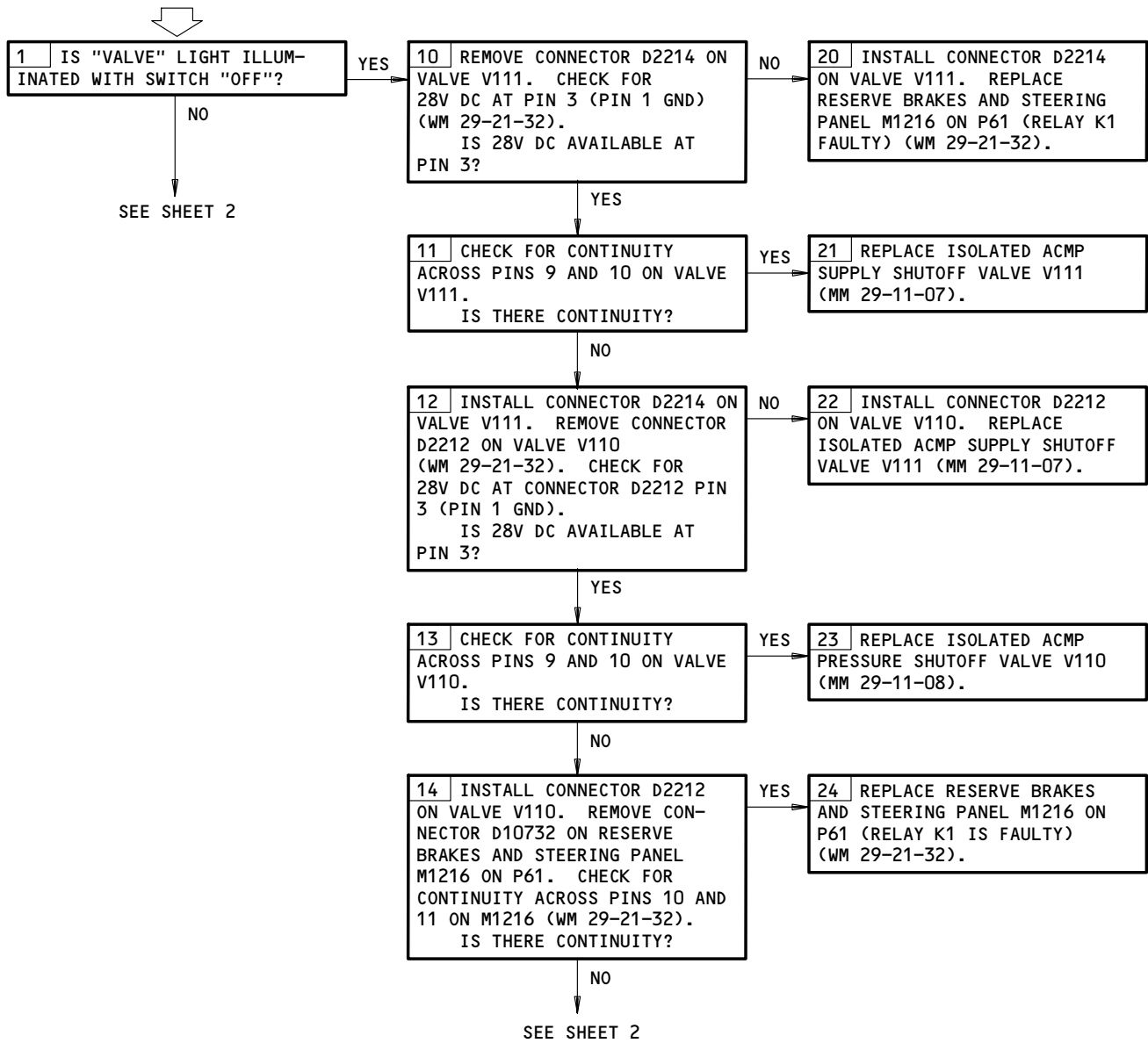
Reserve Brake & Steering Sw ON Lgt Fails to Illum with Switch  
 Pressed On, RSV BRAKE VAL Message Not Displayed  
 Figure 126

EFFECTIVITY	ALL
-------------	-----

29-11-00

RESERVE BRAKE &  
STEERING SW VALVE  
LGT ILLUM WITH SW  
(ON, OFF), "RSV  
BRAKE VAL" MESSAGE  
DISPLAYED

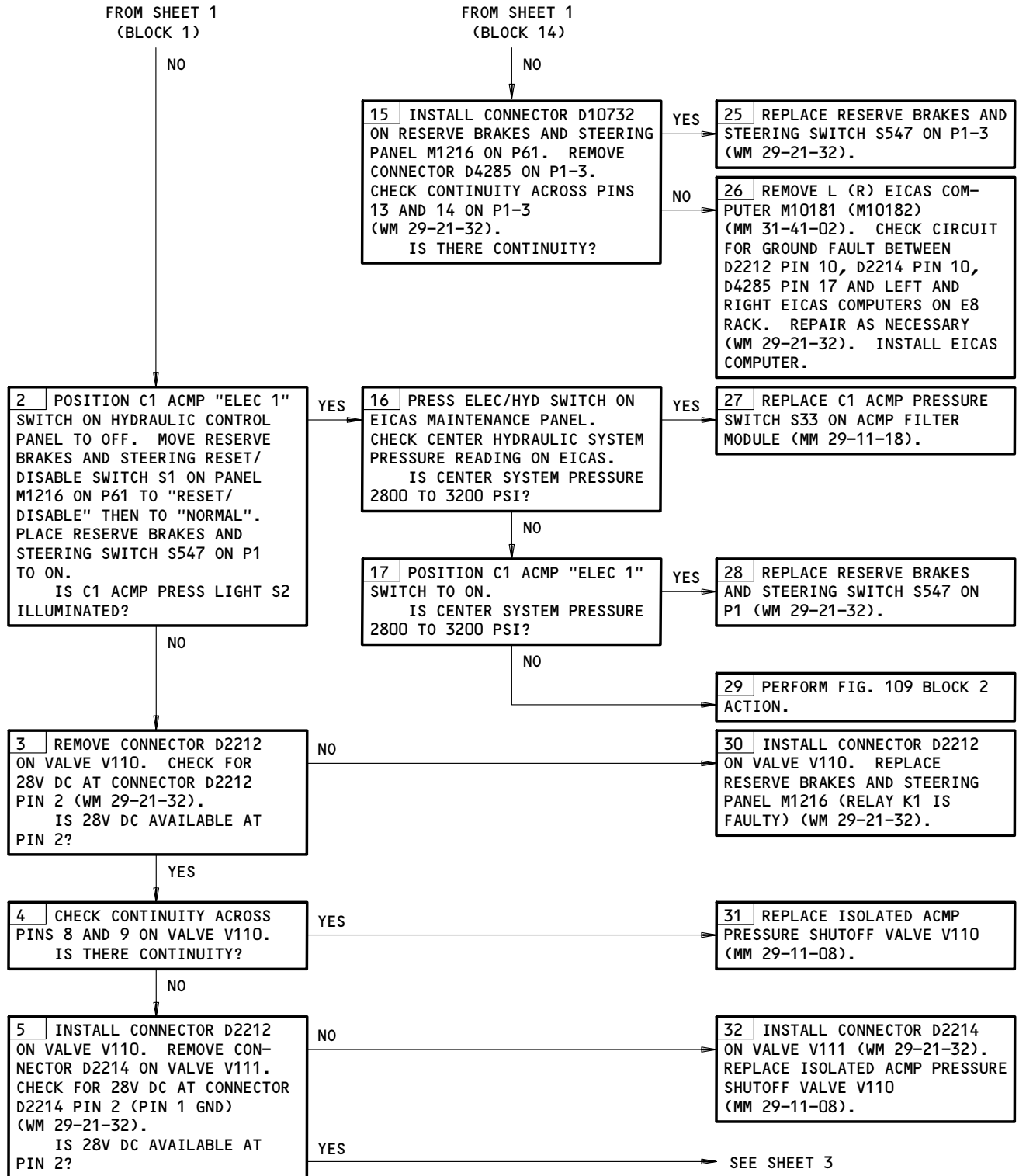
**PREREQUISITES**  
ELECTRICAL POWER (MM 24-22-00)  
EICAS (MM 31-41-00)  
CB'S: 11L15,11U13



Reserve Brake & Steering Sw Valve Lgt Illum with Sw (ON, OFF),  
RSV BRAKE VAL Message Displayed  
Figure 127 (Sheet 1)

EFFECTIVITY	ALL
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**29-11-00**

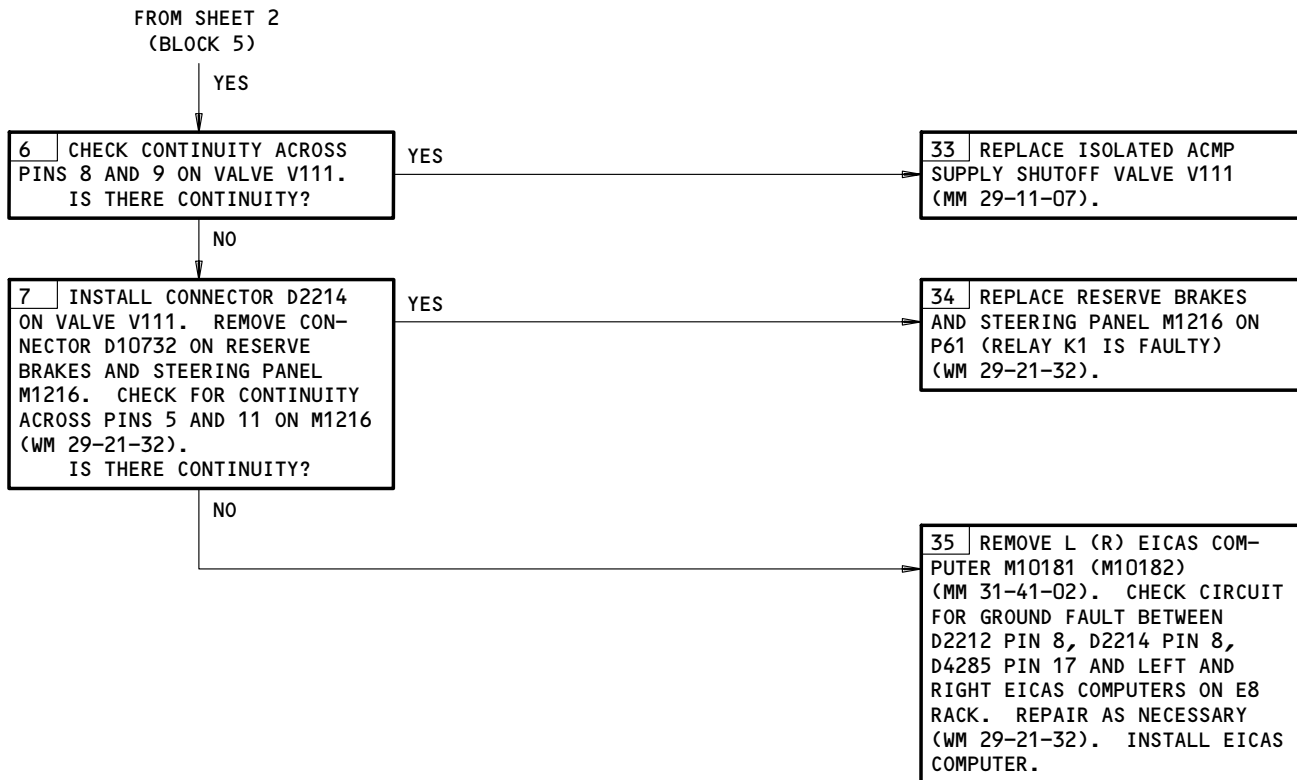


Reserve Brake & Steering Sw Valve Lgt Illum with Sw (ON, OFF),  
RSV BRAKE VAL Message Displayed  
Figure 127 (Sheet 2)

EFFECTIVITY

ALL

29-11-00



Reserve Brake & Steering Sw Valve Lgt Illum with Sw (ON, OFF),  
RSV BRAKE VAL Message Displayed  
Figure 127 (Sheet 3)

EFFECTIVITY	ALL
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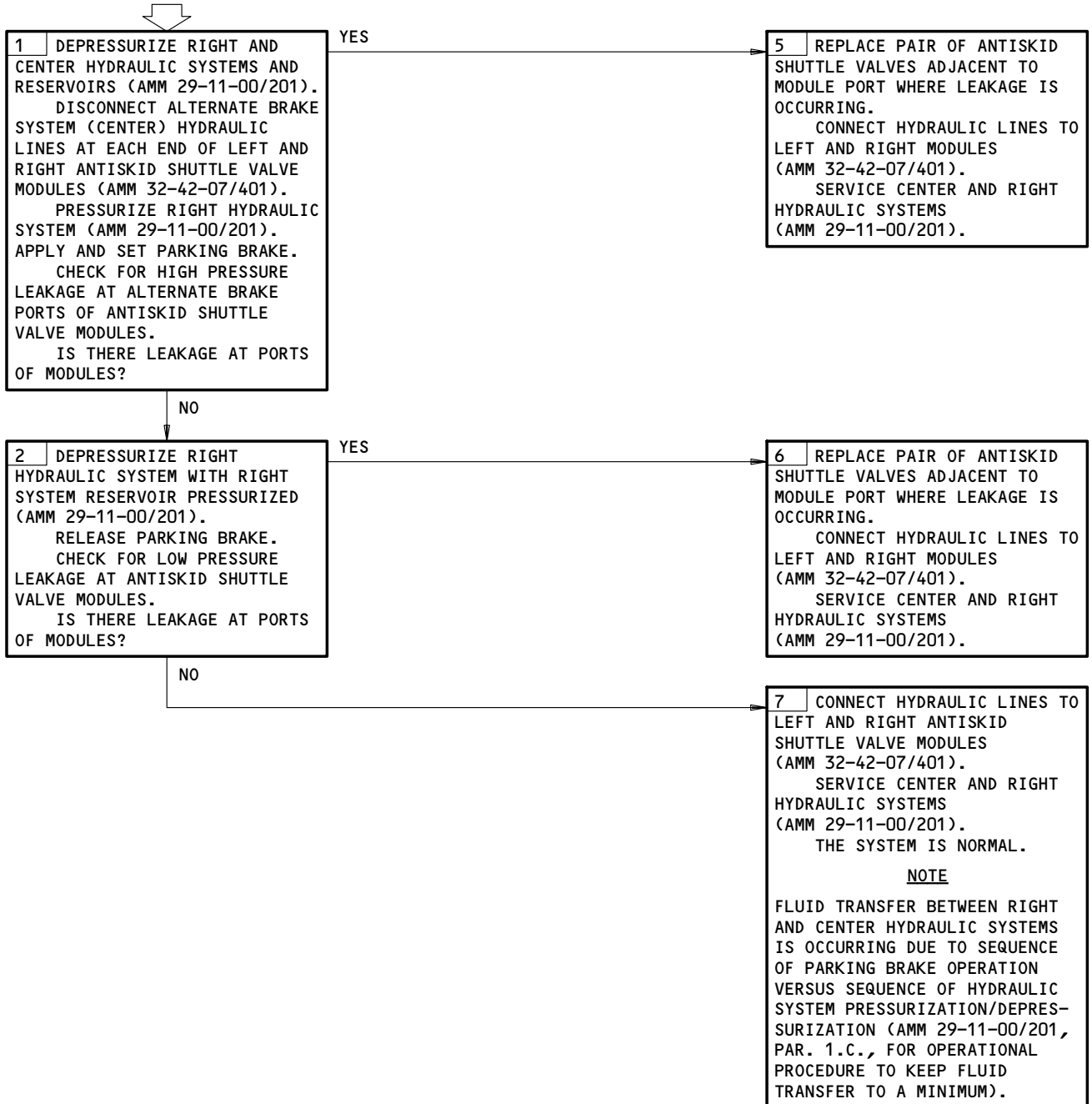
29-11-00

**CENTER (RIGHT)  
HYDRAULIC SYSTEM  
QUANTITY INCREASED,  
RIGHT (CENTER)  
SYSTEM QUANTITY  
DECREASED**

**PREREQUISITES**

MAKE SURE THESE CIRCUIT BREAKERS ARE CLOSED:  
11L15,11L16,11L17,11L18,11L24,11L25,11L26

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



Center (Right) Hydraulic System Quantity Increased,  
Right (Center) System Quantity Decreased  
Figure 128

EFFECTIVITY

ALL

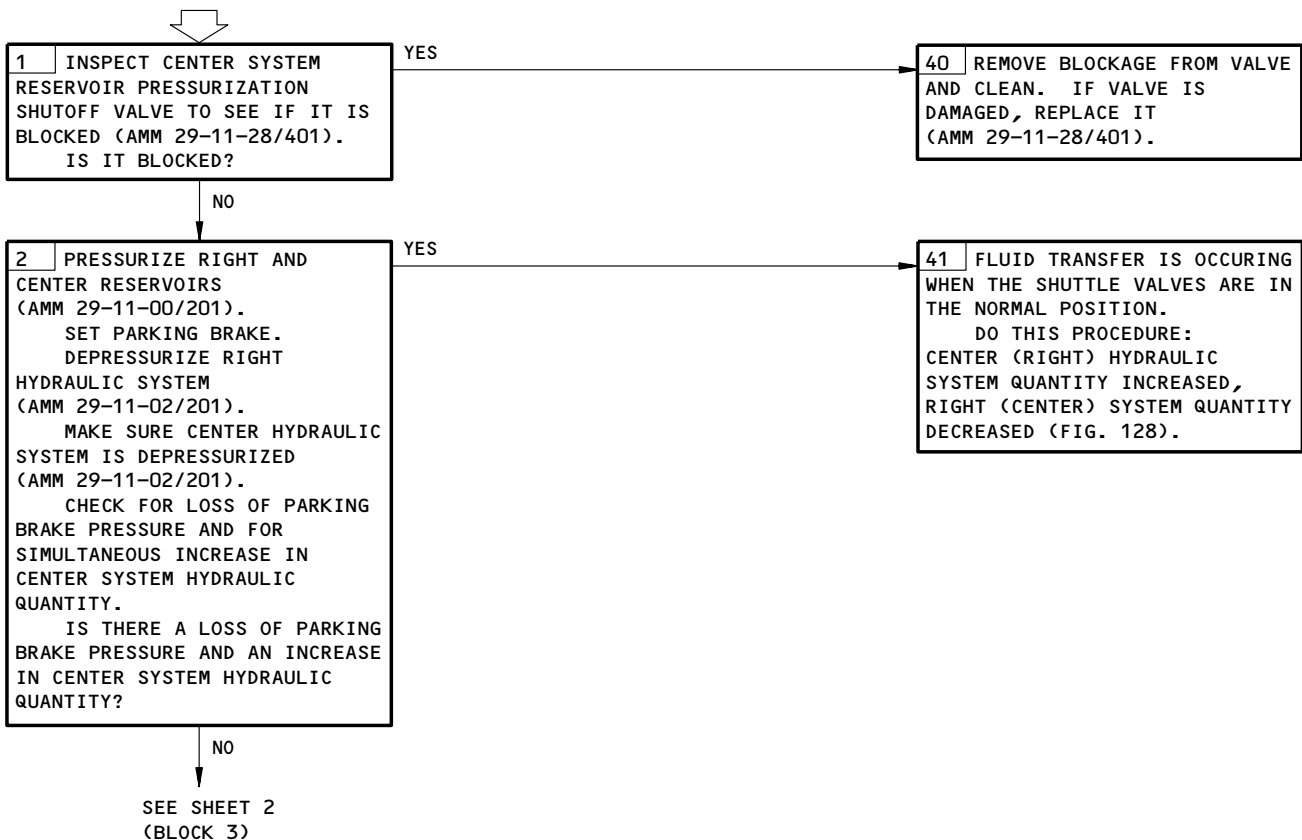
**29-11-00**

CENTER (RIGHT)  
HYDRAULIC SYSTEM  
QUANTITY INCREASED,  
RIGHT (CENTER)  
SYSTEM QUANTITY  
DECREASED

**PREREQUISITES**

MAKE SURE THESE CIRCUIT BREAKERS ARE CLOSED:  
11L15, 11L16, 11L17, 11L18, 11L24, 11L25, 11L26

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

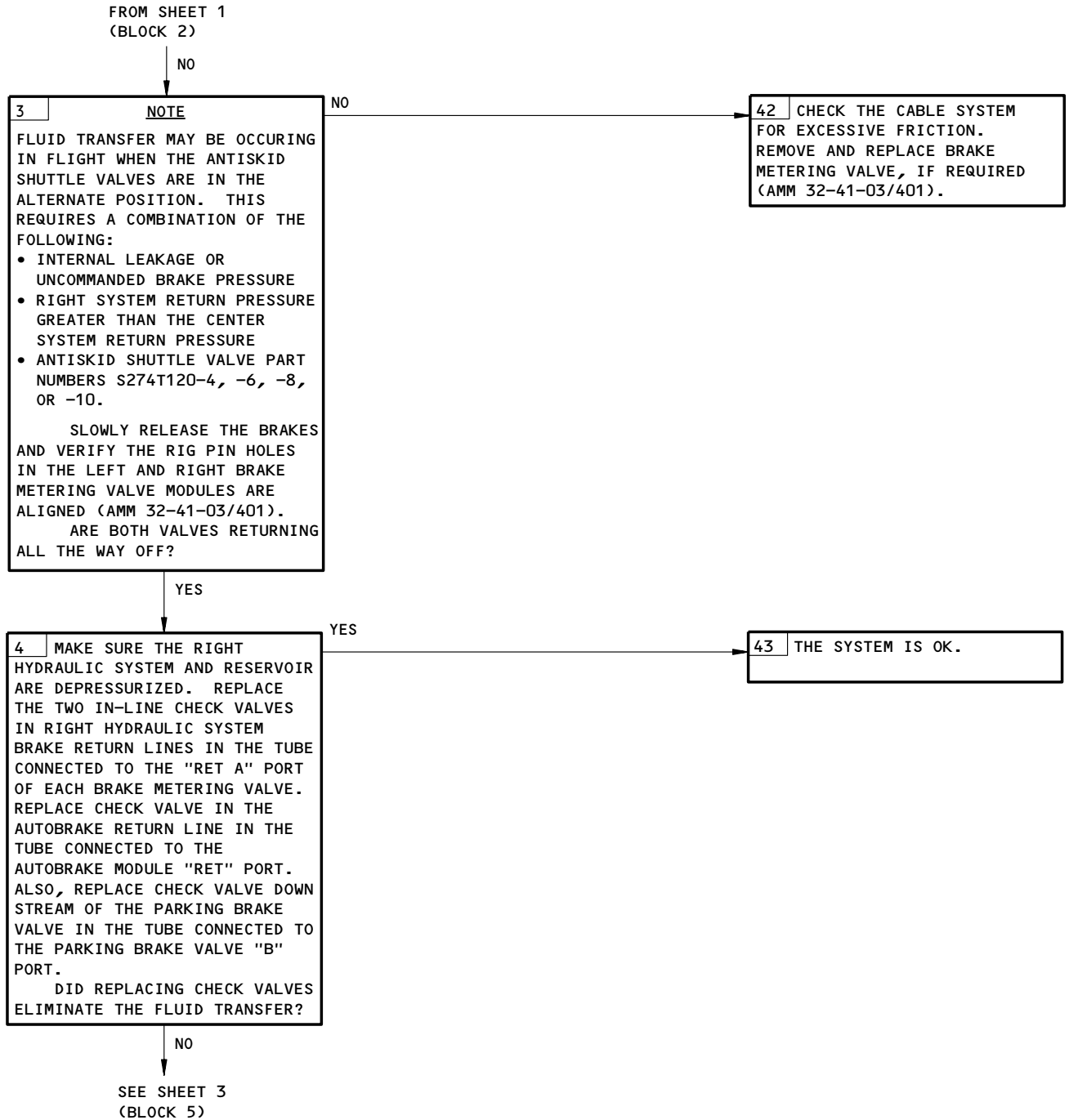


Center Hydraulic System Quantity Increased, Right System Quantity Decreased  
Figure 128A (Sheet 1)

EFFECTIVITY	ALL
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**29-11-00**





Center Hydraulic System Quantity Increased, Right System Quantity Decreased  
Figure 128A (Sheet 2)

EFFECTIVITY

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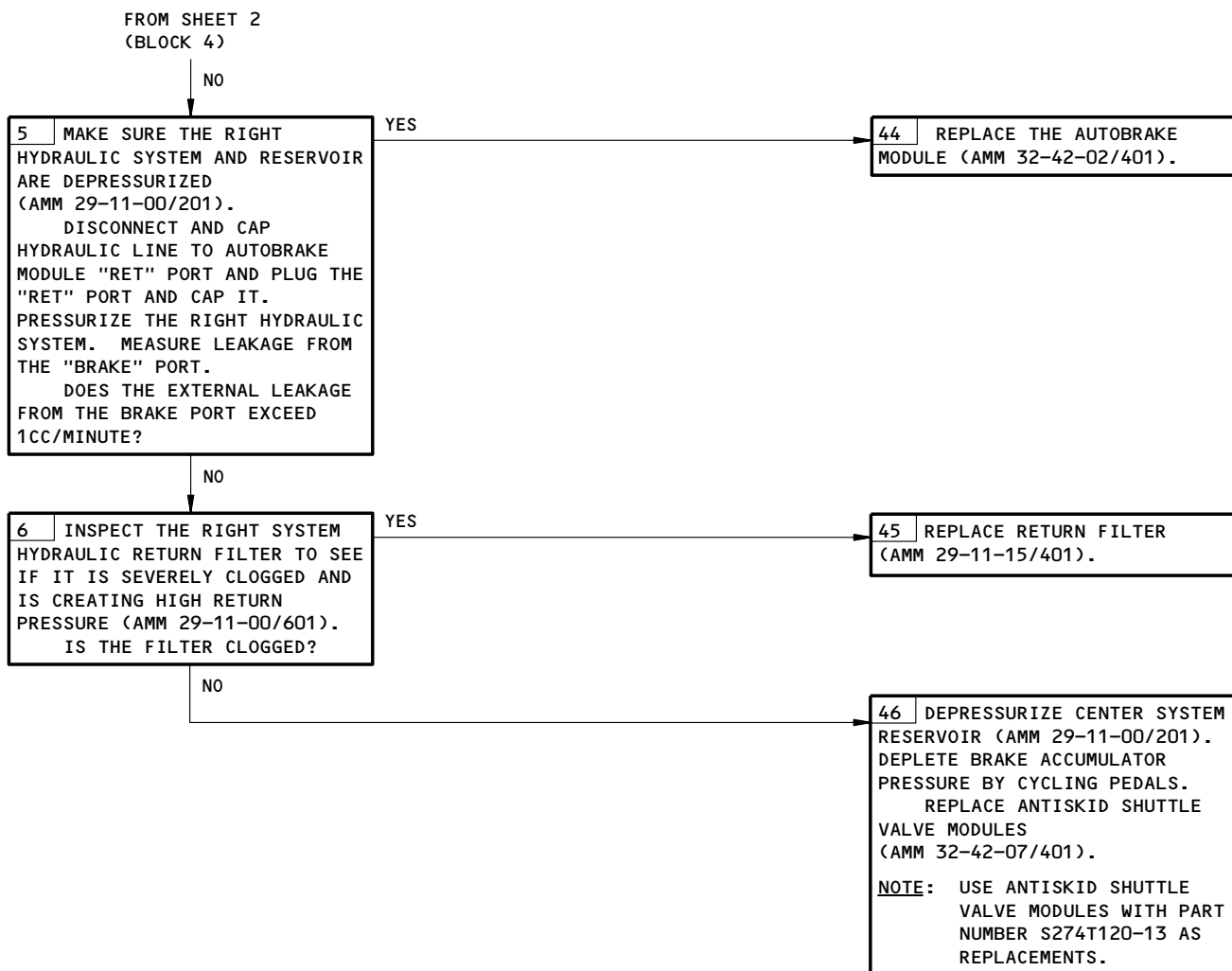
ALL

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03

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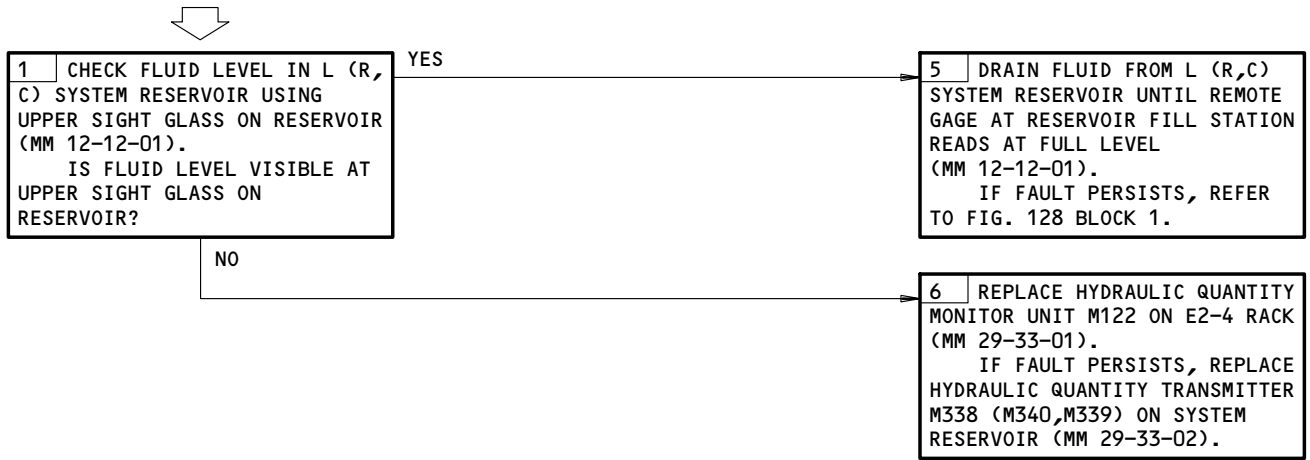
Center Hydraulic System Quantity Increased, Right System Quantity Decreased  
Figure 128A (Sheet 3)

EFFECTIVITY	ALL
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29-11-00

L (R,C) HYDRAULIC  
QUANTITY READS  
ABOVE 1.22

**PREREQUISITES**  
ELECTRICAL POWER (24-22-00)  
CB'S: 11L20



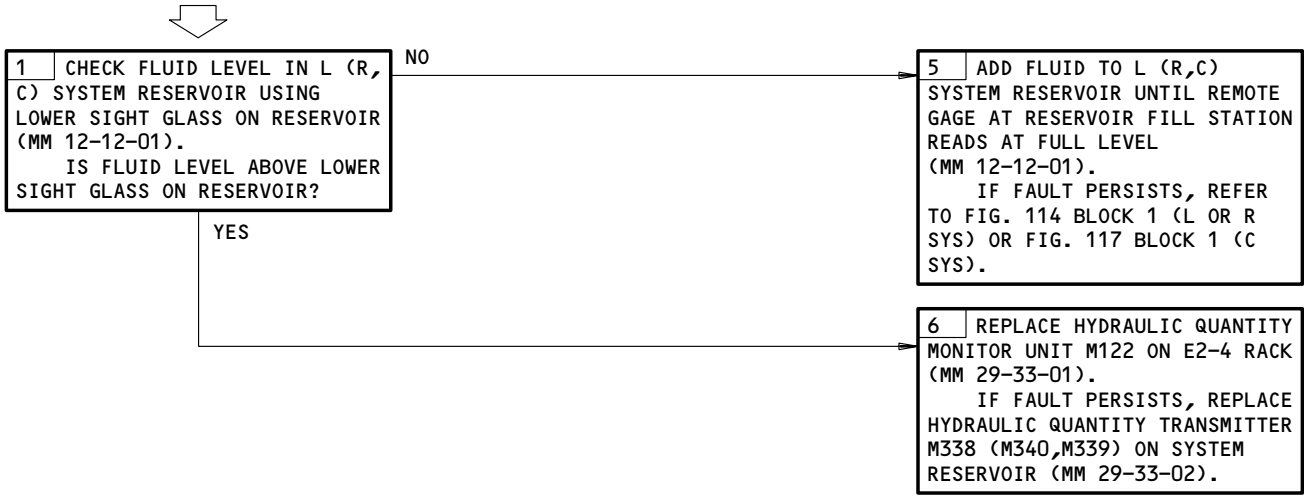
L (R,C) Hydraulic Quantity Reads Above 1.22  
Figure 129

EFFECTIVITY	ALL
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29-11-00

L (R,C) HYDRAULIC QUANTITY INDICATES RF (REFILL) NEXT TO QUANTITY READING

**PREREQUISITES**  
 ELECTRICAL POWER (24-22-00)  
 CB'S: 11L20



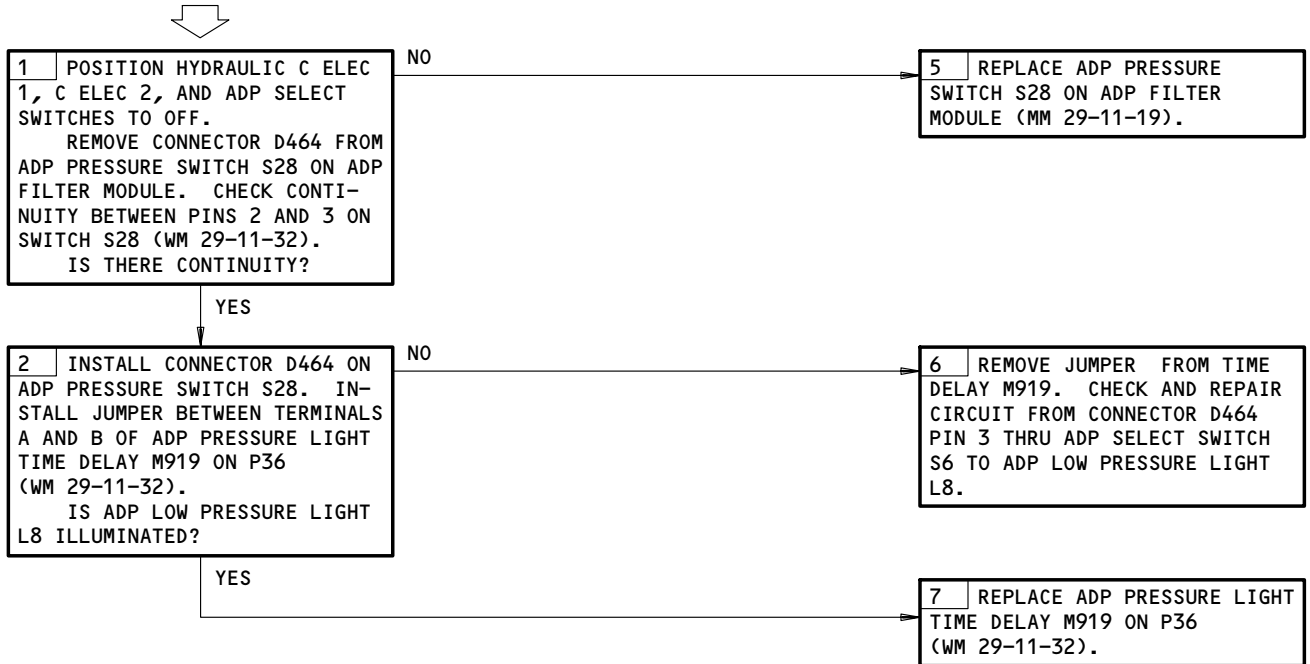
L (R,C) Hydraulic Quantity Indicates RF (Refill) next to Quantity Reading  
 Figure 130

EFFECTIVITY	ALL
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**29-11-00**

ADP LOW "PRESS"  
LIGHT DID NOT  
ILLUMINATE WITH  
ADP SWITCH "OFF"

**PREREQUISITES**  
ELECTRICAL POWER (24-22-00)  
CB'S: 11A33



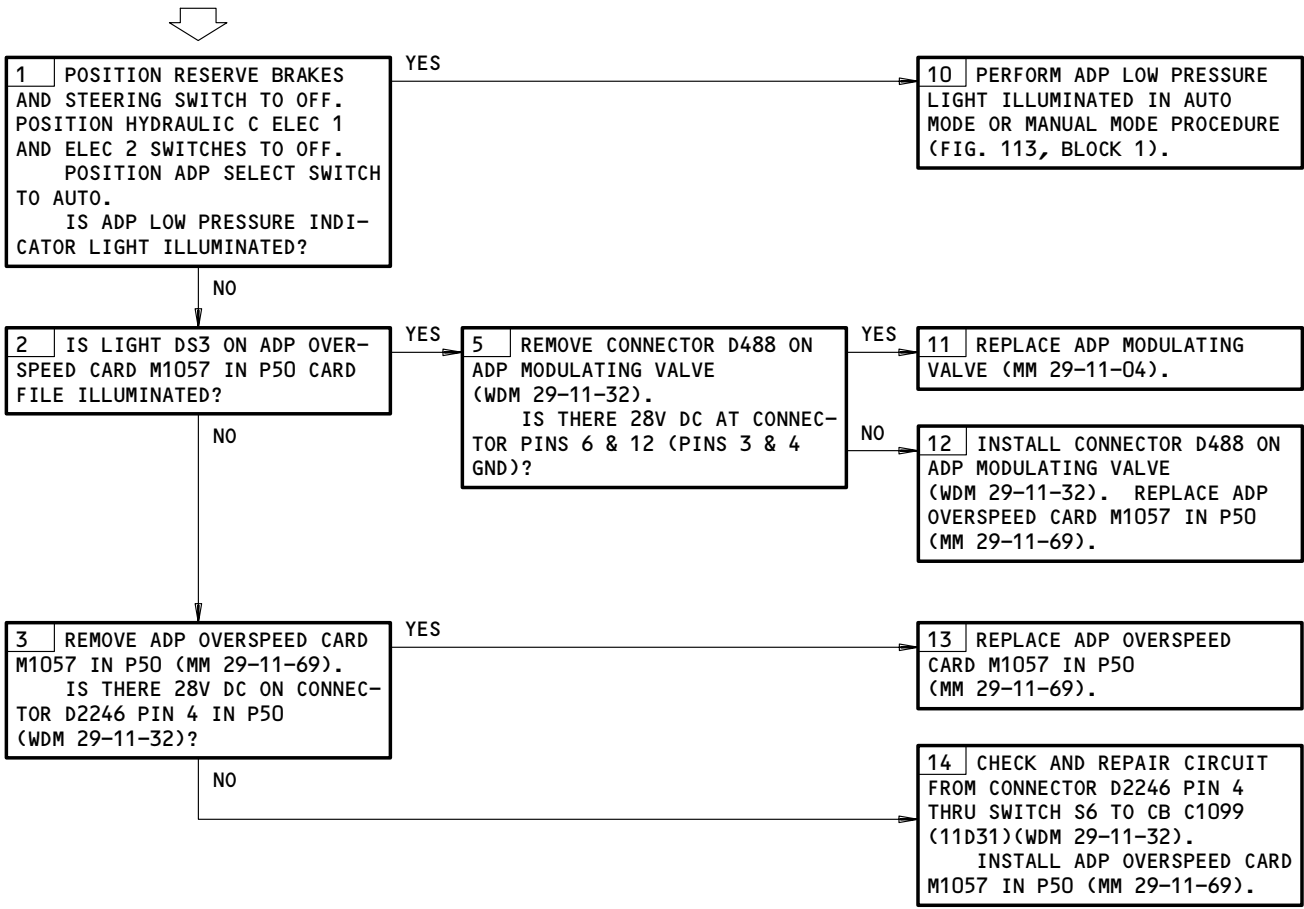
ADP Low PRESS Light did not Illuminate with ADP Switch OFF  
Figure 131

EFFECTIVITY	_____
ALL	

29-11-00

**ADP INOPERATIVE IN  
MANUAL MODE, AUTO  
MODE NOT CHECKED**

**PREREQUISITES**  
ELECTRICAL POWER (MM 24-22-00)  
PNEUMATIC POWER (MM 36-00-00)  
CB'S: 11D31



ADP Inoperative in Manual Mode, Auto Mode not Checked  
Figure 132

EFFECTIVITY

ALL
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**29-11-00**

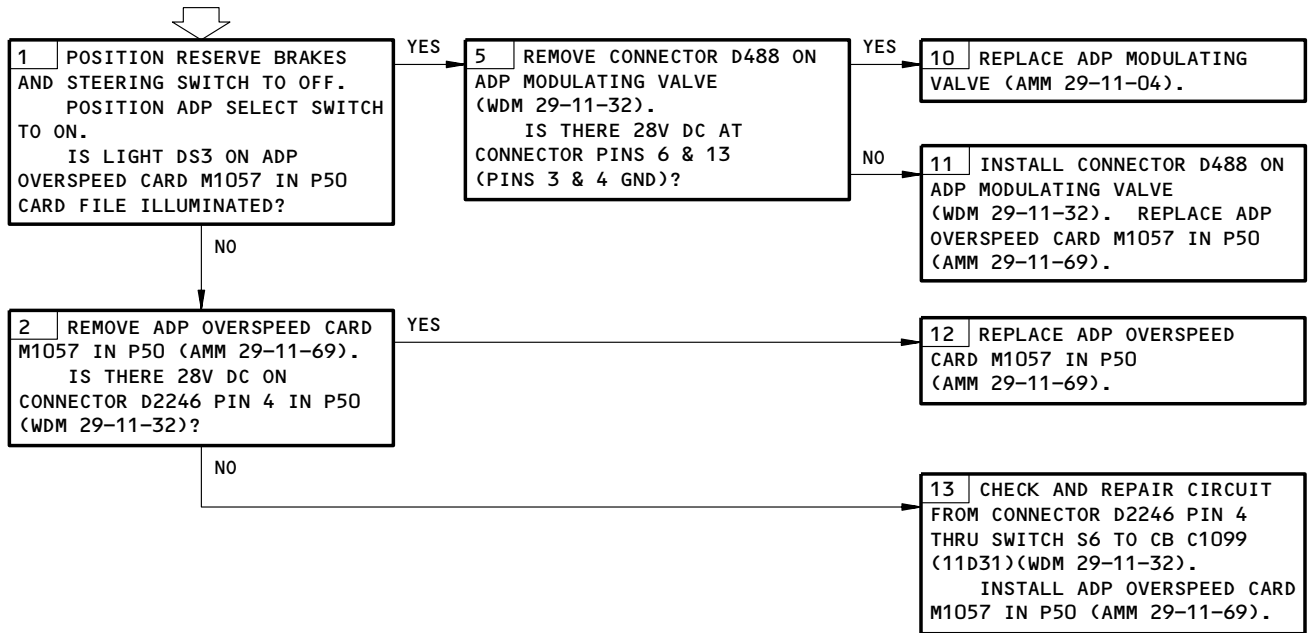
**PREREQUISITES**

MAKE SURE THIS SYSTEM WILL OPERATE:  
PNEUMATIC POWER (AMM 36-00-00/201)

MAKE SURE THESE CIRCUIT BREAKERS ARE CLOSED:  
11D31

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

ADP INOPERATIVE IN  
MANUAL MODE, (ON),  
NORMAL IN AUTO  
MODE



ADP Inoperative in Manual Mode, (On), Normal in Auto Mode  
Figure 132A

EFFECTIVITY

ALL

**29-11-00**

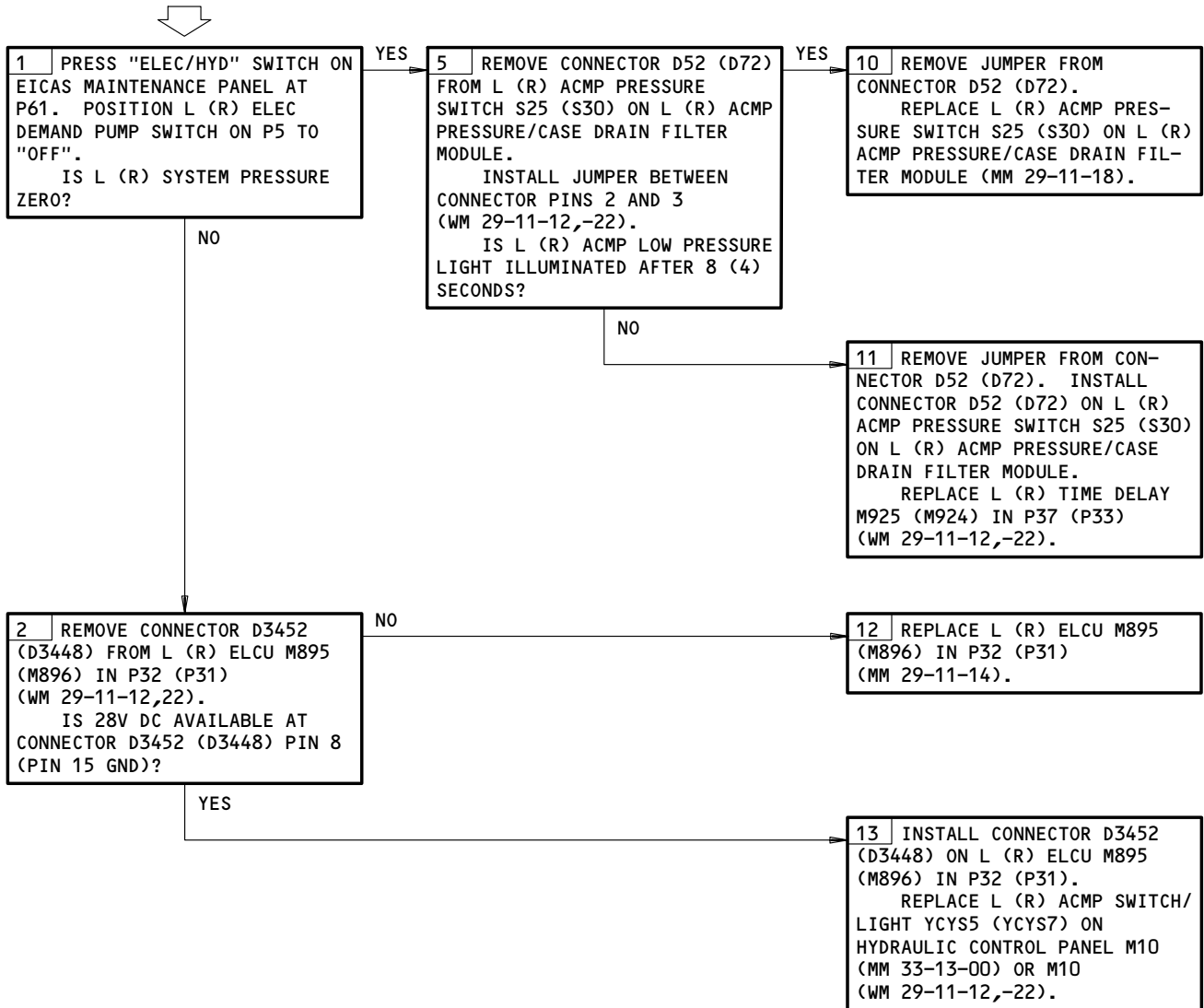
10

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LEFT/RIGHT ACMP LOW PRESSURE LIGHT DID NOT ILLUMINATE WITH ACMP SWITCH OFF

**PREREQUISITES**  
 ELECTRICAL POWER (MM 24-22-00)  
 CB'S: 11L16,11L17,11L25,11L26



Left/Right ACMP Low Pressure Light Did Not Illuminate with ACMP Switch Off  
Figure 133

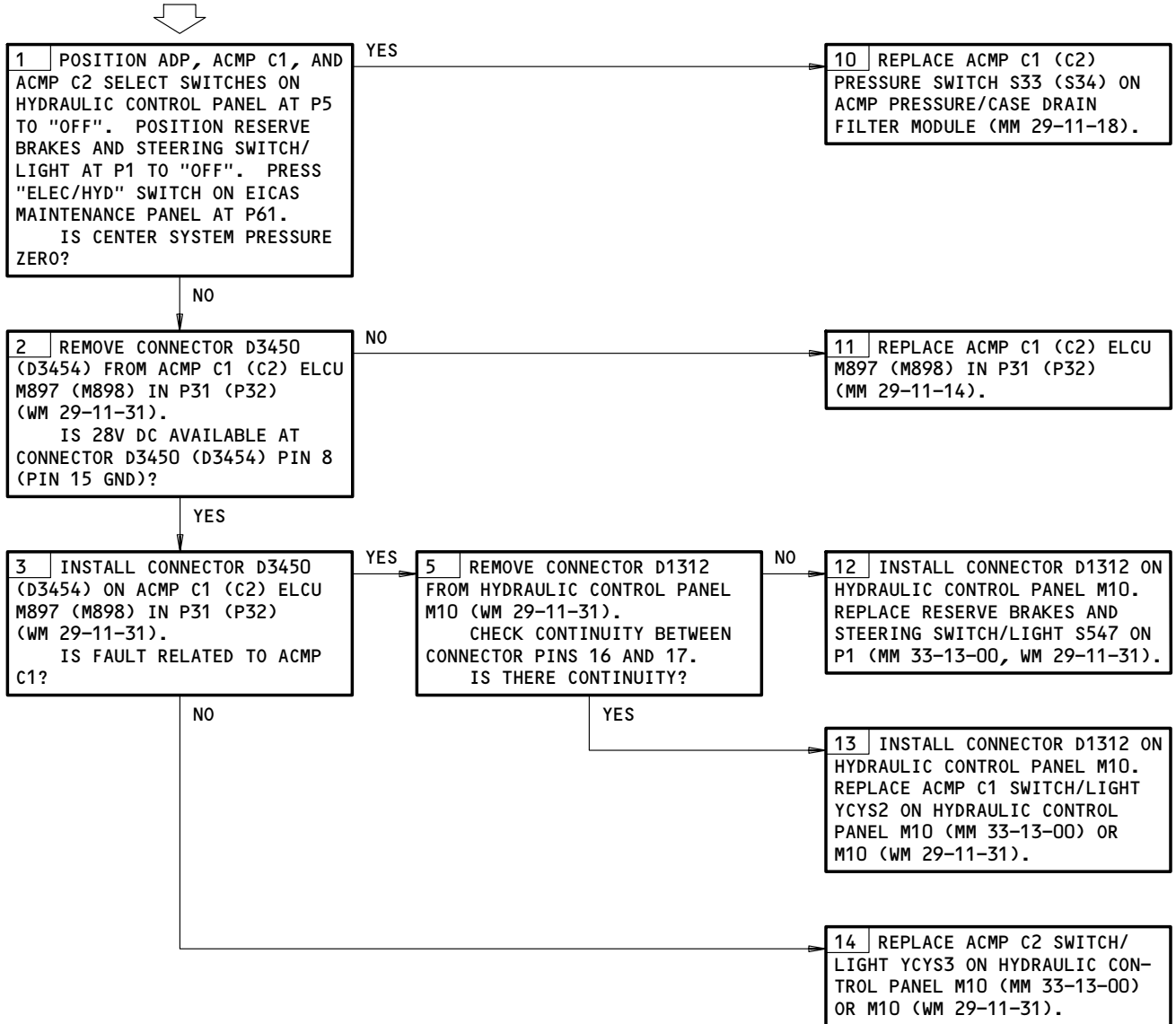
EFFECTIVITY	ALL
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**29-11-00**



CENTER ACMP C1/C2  
LOW PRESSURE LIGHT  
DID NOT ILLUMINATE  
WITH ACMP SWITCH  
OFF

**PREREQUISITES**  
ELECTRICAL POWER (MM 24-22-00)  
CB'S: 11L15,11L24,11L18



Center ACMP C1/C2 Low Pressure Light Did Not Illuminate with ACMP Switch Off  
Figure 134

EFFECTIVITY	ALL
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29-11-00

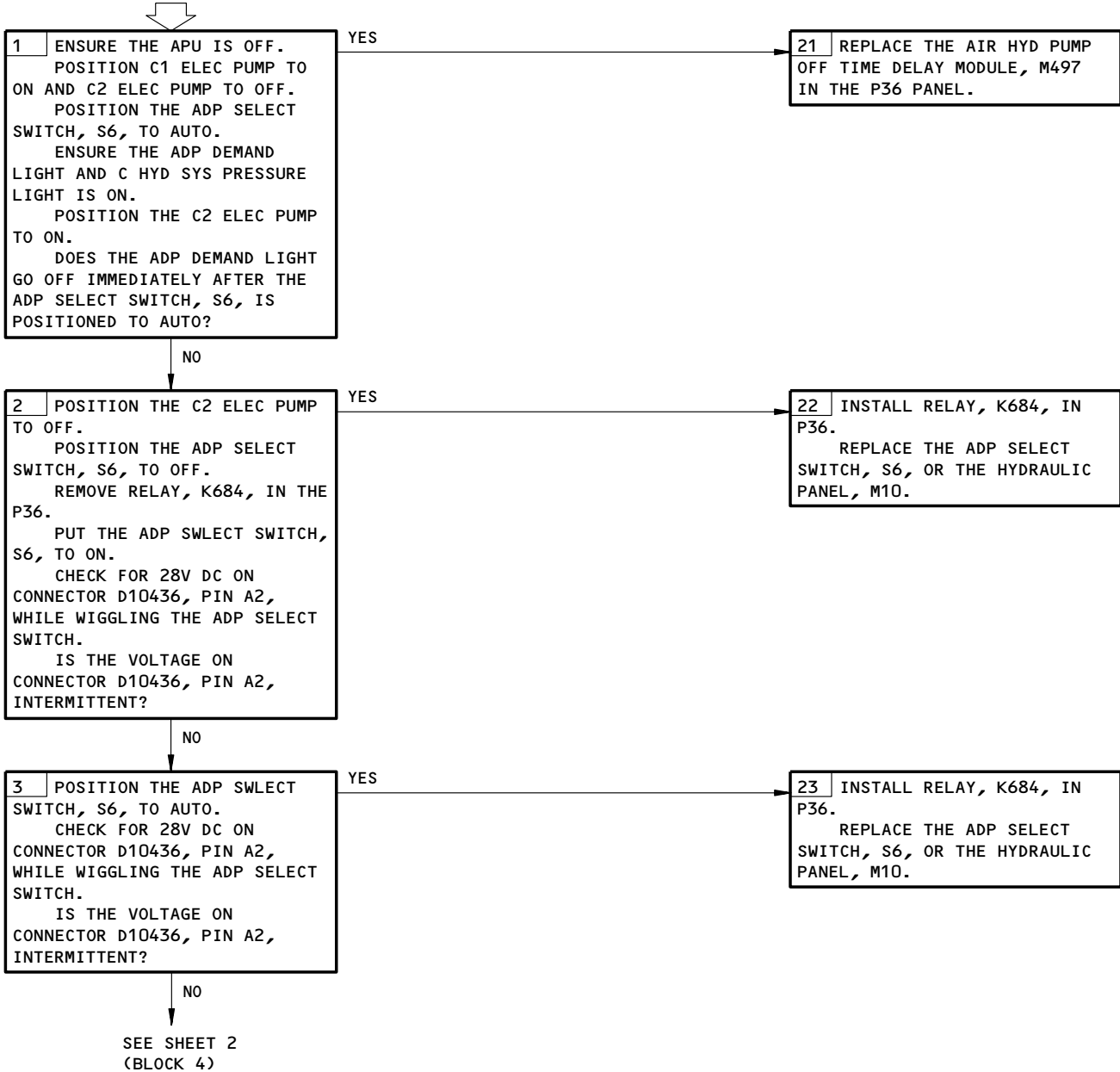
**PREREQUISITES**

MAKE SURE THESE CIRCUIT BREAKERS ARE CLOSED:  
11D31, 11L18, 11L24

MAKE SURE THIS CIRCUIT BREAKER IS OPEN AND ATTACH A  
DO-NOT-CLOSE TAG:  
11L15

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

**ADP CYCLES ON AND OFF IN AUTO MODE**



ADP Cycles On and Off in Auto Mode  
Figure 135 (Sheet 1)

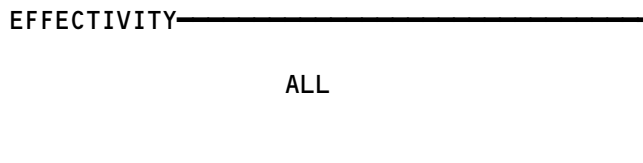
EFFECTIVITY

ALL

29-11-00



ADP Cycles On and Off in Auto Mode  
Figure 135 (Sheet 2)



29-11-00

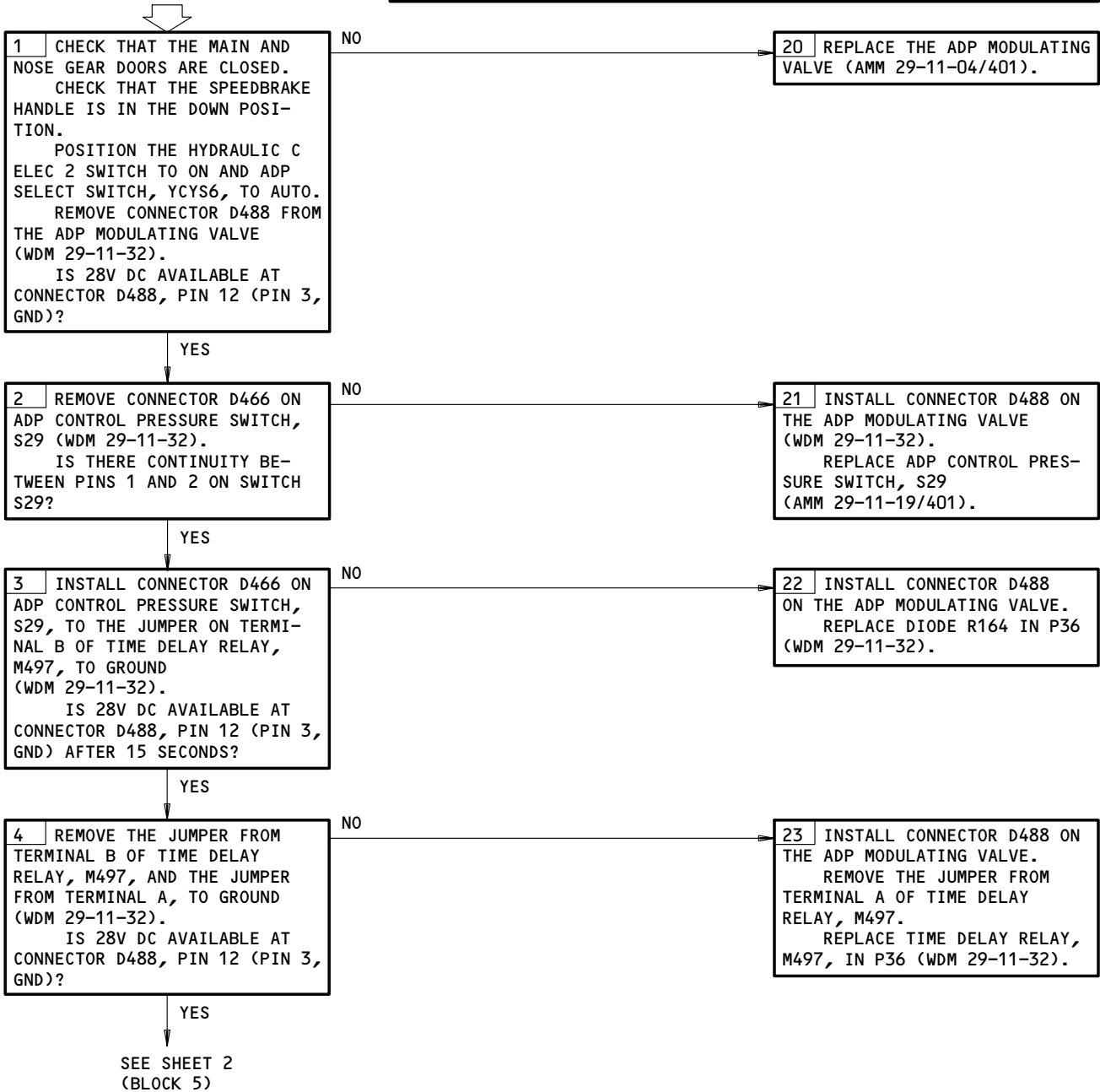
**ADP CONTINUES TO RUN IN AUTO MODE**

**PREQUISITES**

MAKE SURE THIS SYSTEM WILL OPERATE:  
PNEUMATIC POWER (AMM 36-00-00/201)

MAKE SURE THESE CIRCUIT BREAKERS ARE CLOSED:  
11D31,11L24

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

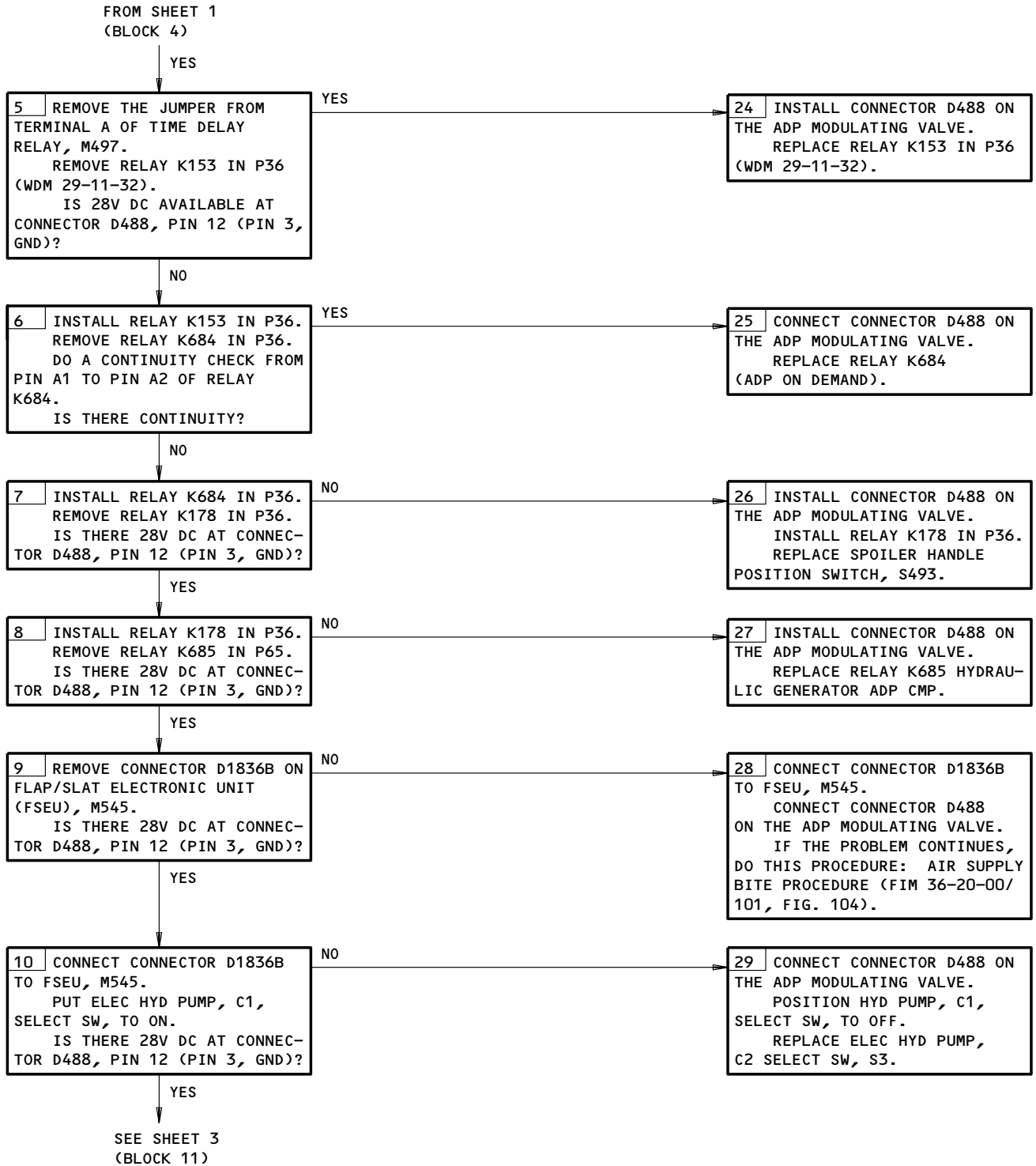


ADP Continues to Run in Auto Mode  
Figure 136 (Sheet 1)

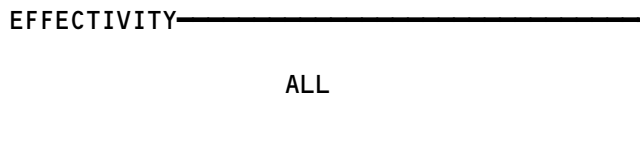
EFFECTIVITY

ALL

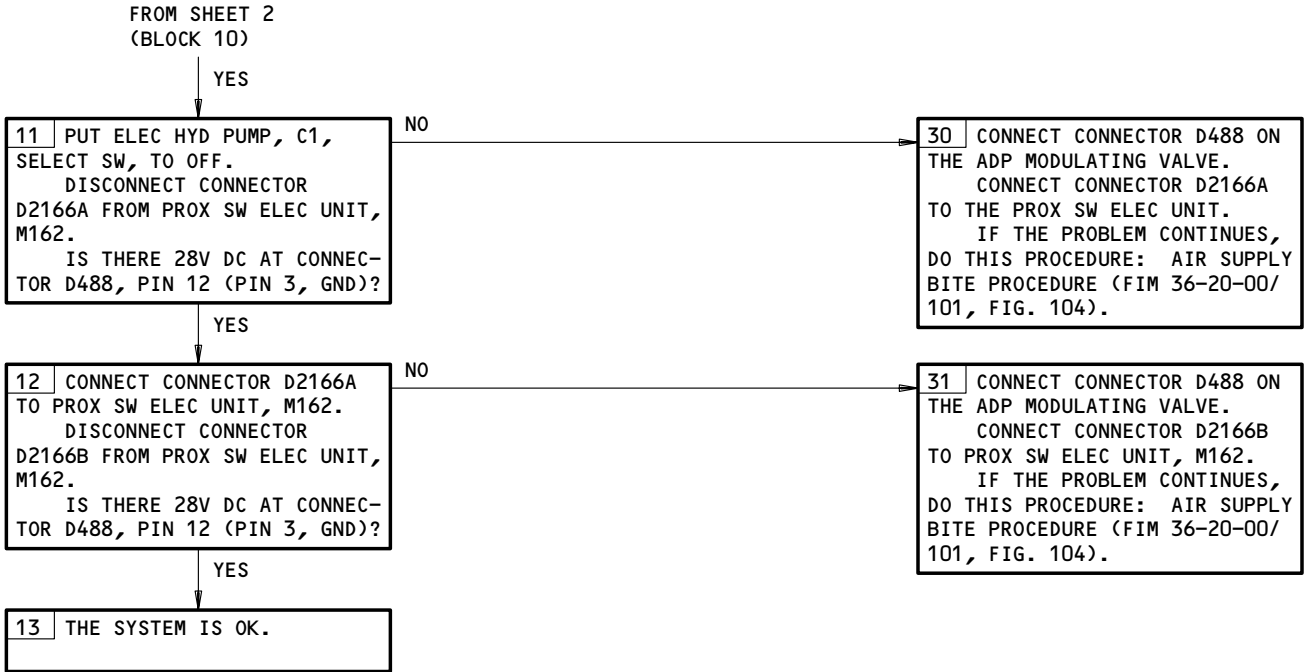
**29-11-00**



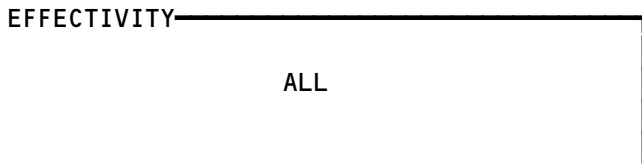
ADP Continues to Run in Auto Mode  
Figure 136 (Sheet 2)



29-11-00

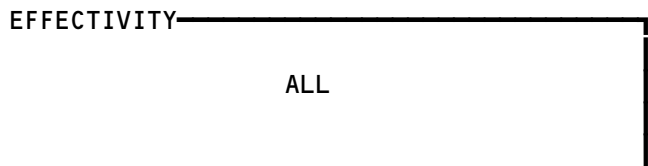


ADP Continues to Run in Auto Mode  
Figure 136 (Sheet 3)



29-11-00

Not Used  
Figure 137



29-11-00

07

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H63245

**PREREQUISITES**

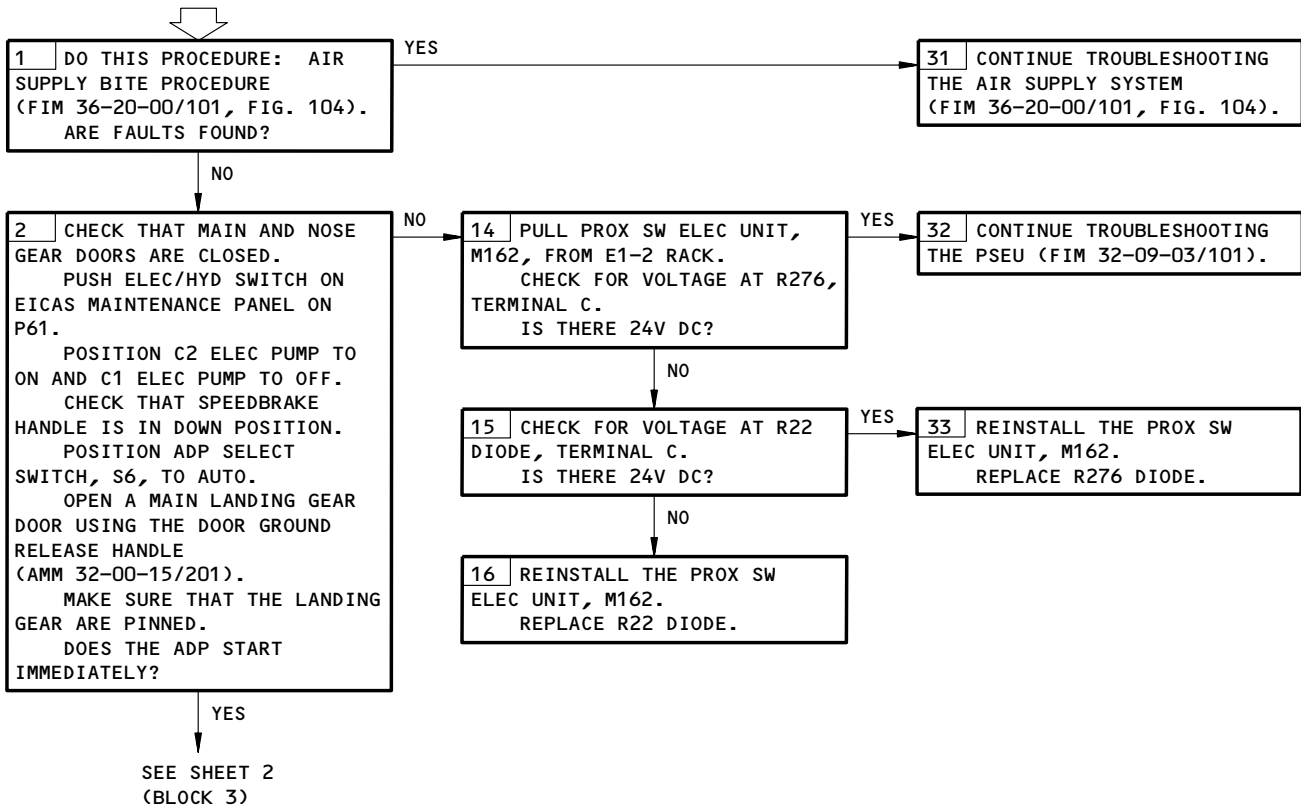
MAKE SURE THESE CIRCUIT BREAKERS ARE CLOSED:  
11D31, 11L18, 11L24

MAKE SURE THIS CIRCUIT BREAKER IS OPEN AND ATTACH A DO-NOT-CLOSE TAG:  
11L15

MAKE SURE THE AIRPLANE IS IN THIS CONFIGURATION:  
ELECTRICAL POWER IS ON (AMM 24-22-00/201)  
PNEUMATIC POWER IS ON (AMM 36-00-00/201)

**NOTE:** PRESSURIZE PNEUMATIC SYSTEM USING APU POWER. ENSURE BOTH PACKS, CARGO HEAT, ADP, ENGINE START VALVES, AND ANTI-ICE ARE SELECTED OFF AND L,R, AND C ISLN VALVES ARE OPEN, UNLESS OTHERWISE SPECIFIED.

**DEMAND PUMP LOW PRESSURE INDICATION DURING HIGH DEMAND CONDITIONS**



Demand Pump Low Pressure Indication During High Demand Conditions  
Figure 138 (Sheet 1)

EFFECTIVITY

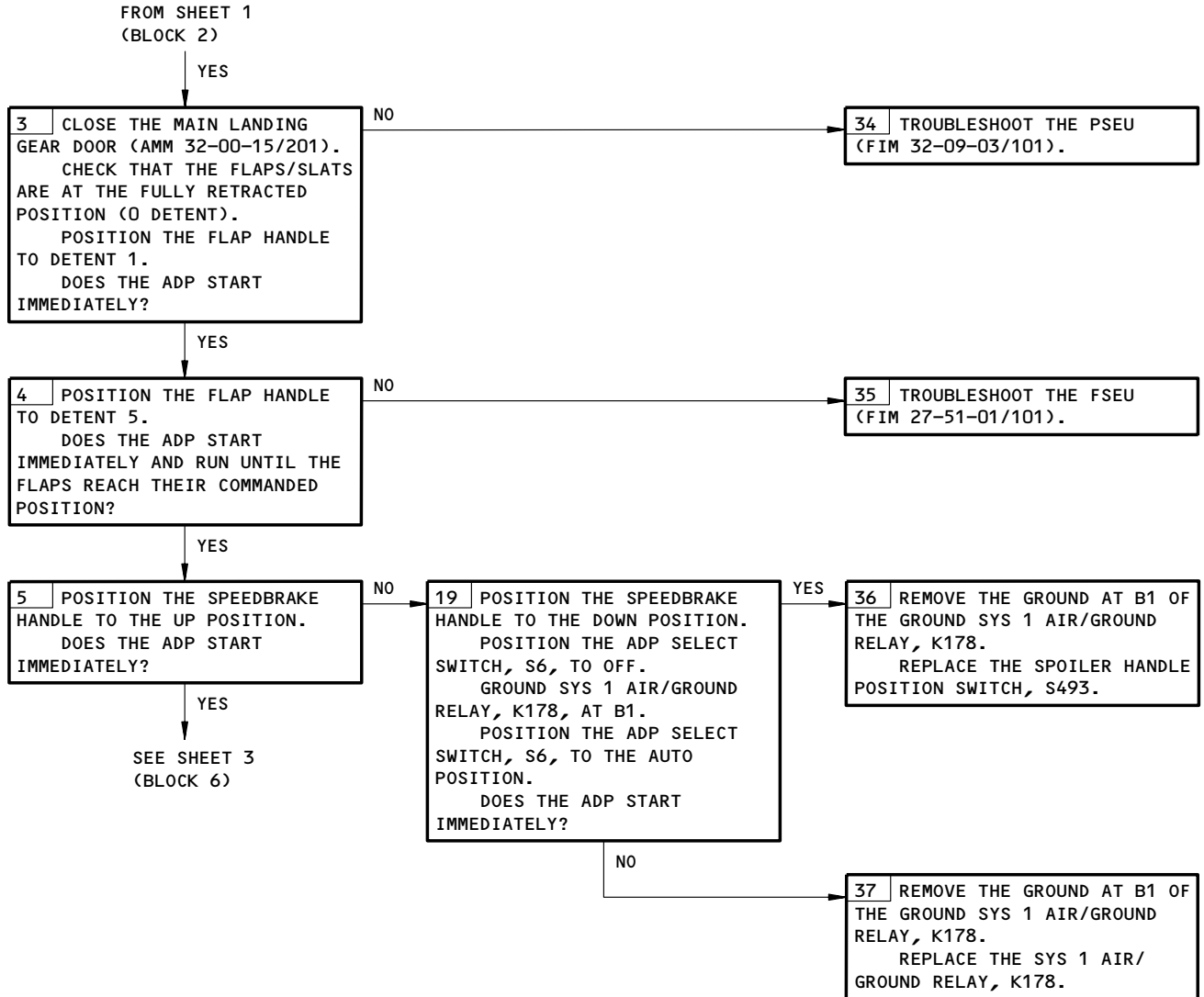
ALL

29-11-00

07

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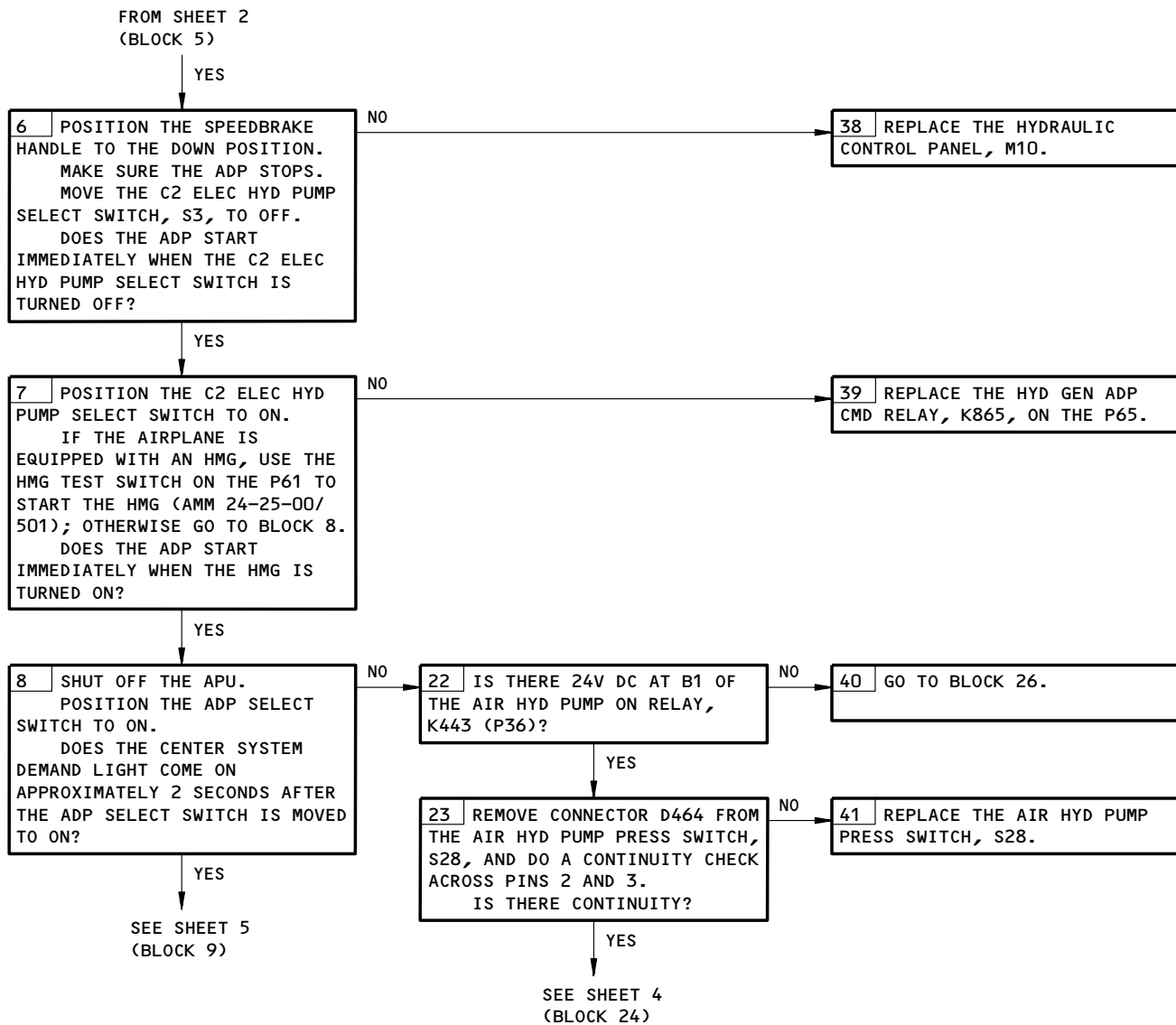




Demand Pump Low Pressure Indication During High Demand Conditions  
Figure 138 (Sheet 2)

EFFECTIVITY	ALL
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29-11-00

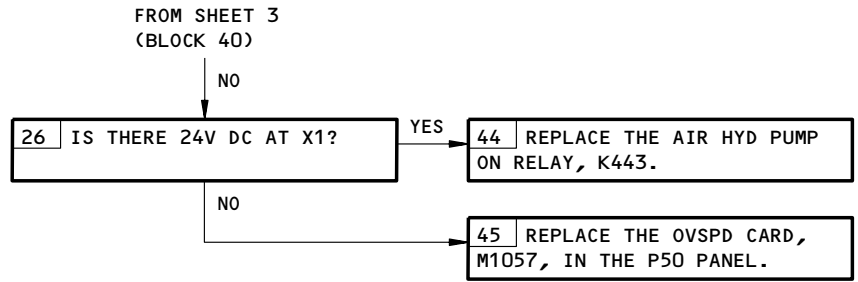
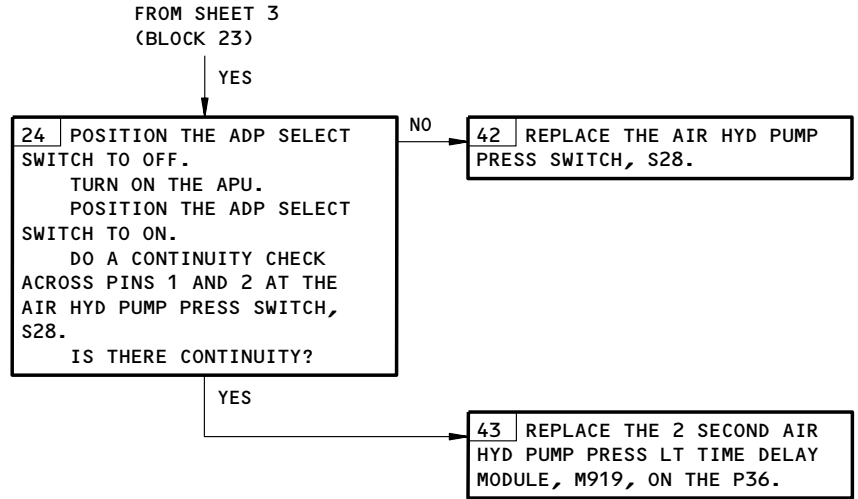


Demand Pump Low Pressure Indication During High Demand Conditions  
Figure 138 (Sheet 3)

EFFECTIVITY	ALL
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29-11-00

**BOEING**  
767  
FAULT ISOLATION/MAINT MANUAL



Demand Pump Low Pressure Indication During High Demand Conditions  
Figure 138 (Sheet 4)

EFFECTIVITY	ALL
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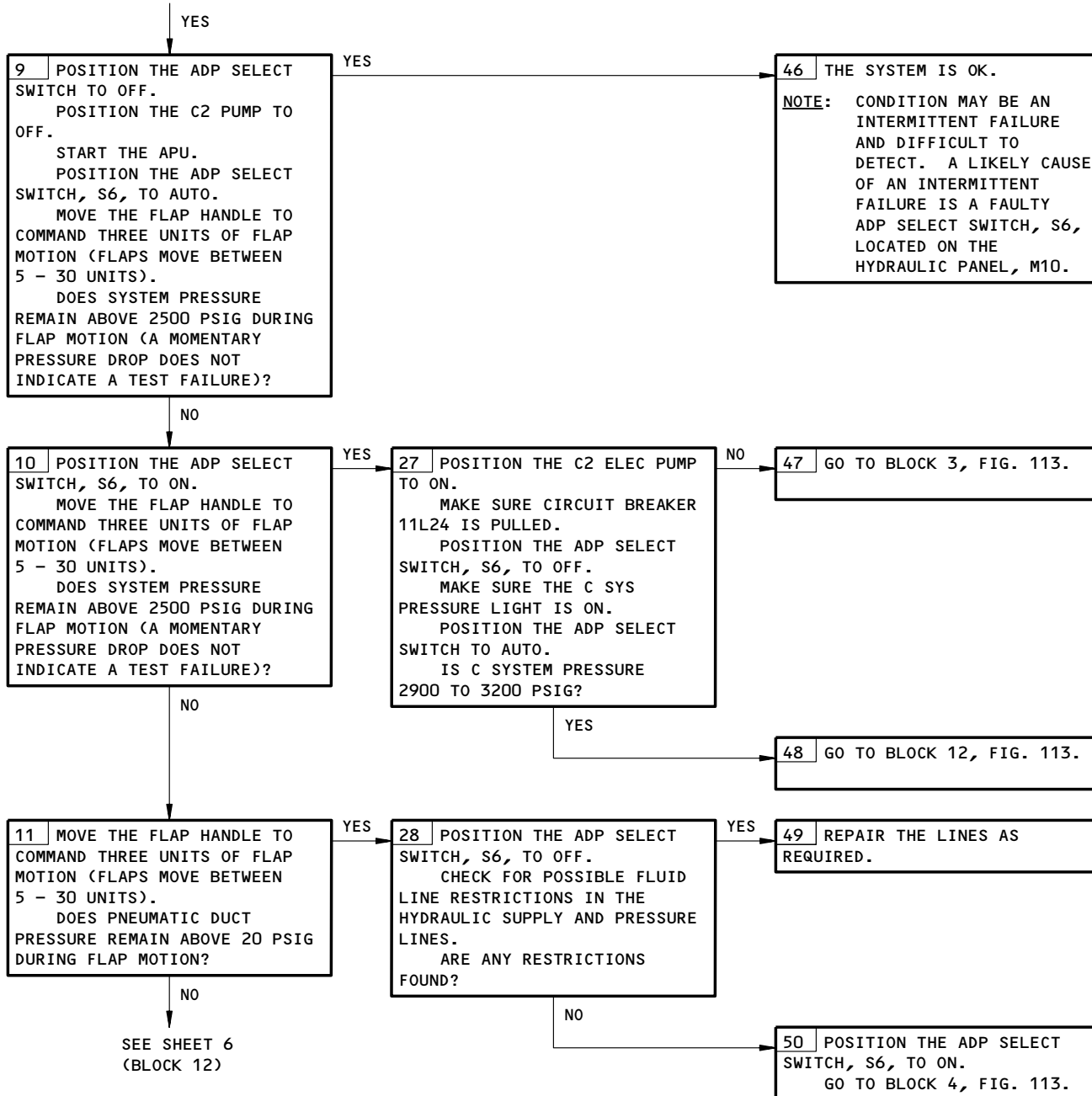
29-11-00

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FROM SHEET 3  
(BLOCK 8)



Demand Pump Low Pressure Indication During High Demand Conditions  
Figure 138 (Sheet 5)

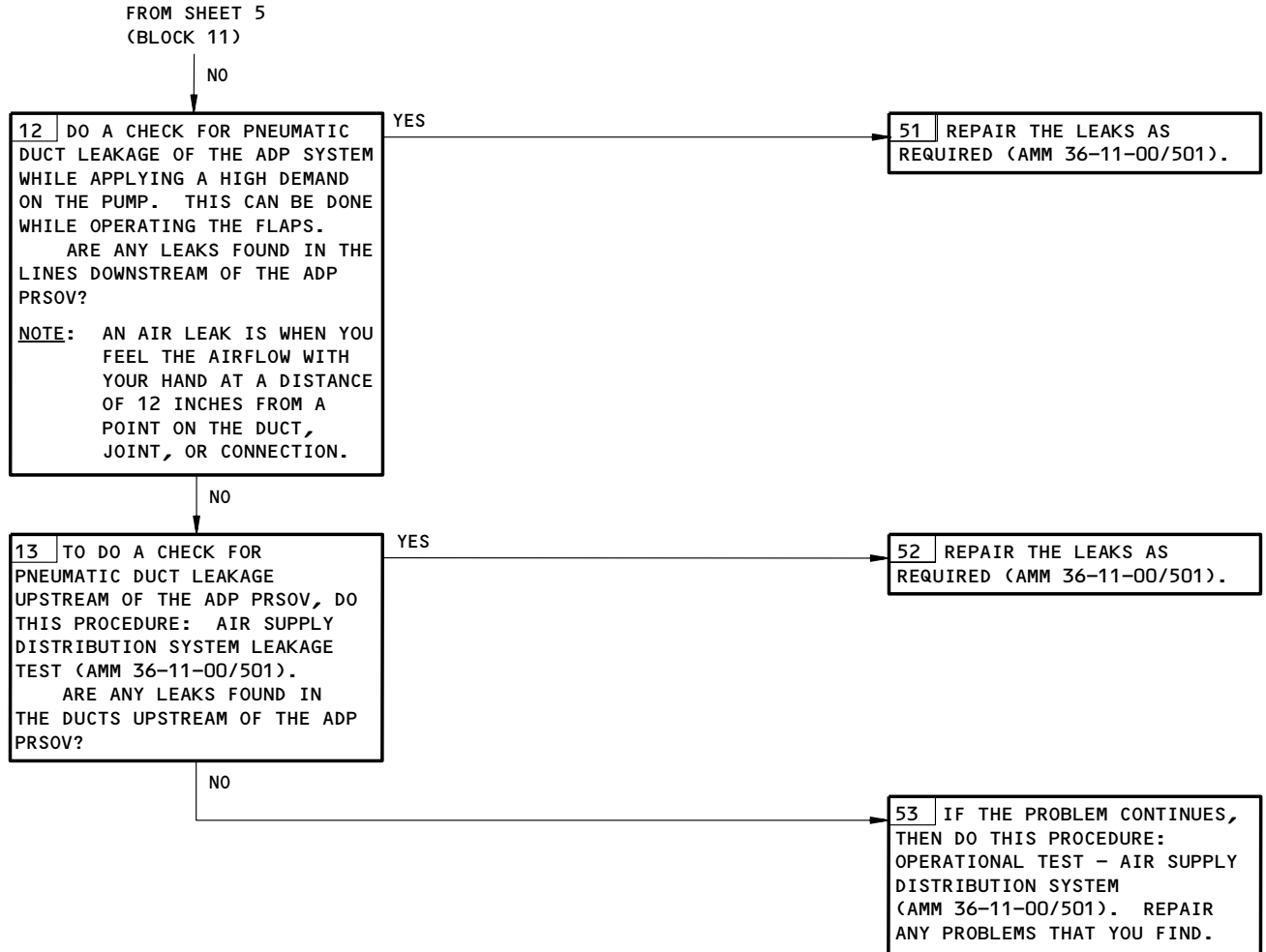
EFFECTIVITY

ALL

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Demand Pump Low Pressure Indication During High Demand Conditions  
Figure 138 (Sheet 6)

EFFECTIVITY	ALL
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29-11-00

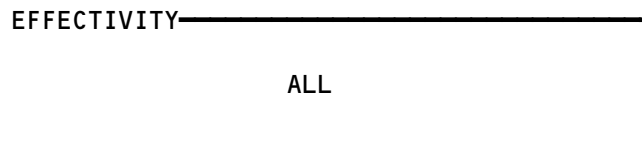
**BOEING**  
767  
FAULT ISOLATION/MAINT MANUAL

GROUND SERVICING SYSTEM

COMPONENT	FIG. 102 SHT	QTY	ACCESS/AREA	REFERENCE
CIRCUIT BREAKERS HYDRAULIC QTY, C1101 CONNECTION - PRESSURE FILL	---	1	FLT COMPT, P11 11L20	*
INDICATOR - RESERVOIR FILL, N29	---	1	198CR, AFT RIGHT WING/BODY FAIRING, RESERVOIR FILL STATION	29-18-00
MODULE - RESERVOIR FILL FILTER	---	1	198CR, AFT RIGHT WING/BODY FAIRING, HYDRAULIC RESERVOIR FILL STATION	29-18-06
PUMP - RESERVOIR MANUAL FILL	---	1	198CR, AFT RIGHT WING/BODY FAIRING, HYDRAULIC RESERVOIR FILL STATION	29-18-03
SWITCH - REMOTE HYDRAULIC QUANTITY SELECT, S341	---	1	198CR, AFT RIGHT WING/BODY FAIRING, HYDRAULIC RESERVOIR FILL STATION	29-18-01
TRANSMITTER - SYS C HYDRAULIC FLUID QUANTITY, M339 (REF 29-33-00, FIG. 101)	---	1	198CR, AFT RIGHT WING/BODY FAIRING, HYDRAULIC RESERVOIR FILL STATION	*
TRANSMITTER - SYS L HYDRAULIC FLUID QUANTITY, M338 (REF 29-33-00, FIG. 101)	---	1	198CR, AFT RIGHT WING/BODY FAIRING, HYDRAULIC RESERVOIR FILL STATION	*
TRANSMITTER - SYS R HYDRAULIC FLUID QUANTITY, M340 (REF 29-33-00, FIG. 101)	---	1	198CR, AFT RIGHT WING/BODY FAIRING, HYDRAULIC RESERVOIR FILL STATION	*
UNIT - HYDRAULIC FLUID QUANTITY MONITOR UNIT, M122 (REF 29-33-00, FIG. 101)	---	1	198CR, AFT RIGHT WING/BODY FAIRING, HYDRAULIC RESERVOIR FILL STATION	*
VALVE - RESERVOIR FILL SELECTOR	---	1	198CR	29-18-02

\*SEE WM EQUIPMENT LIST

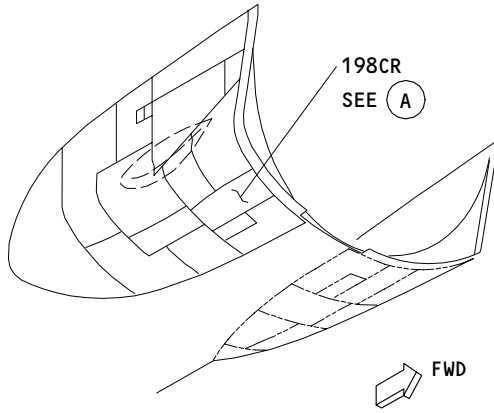
Component Index  
Figure 101



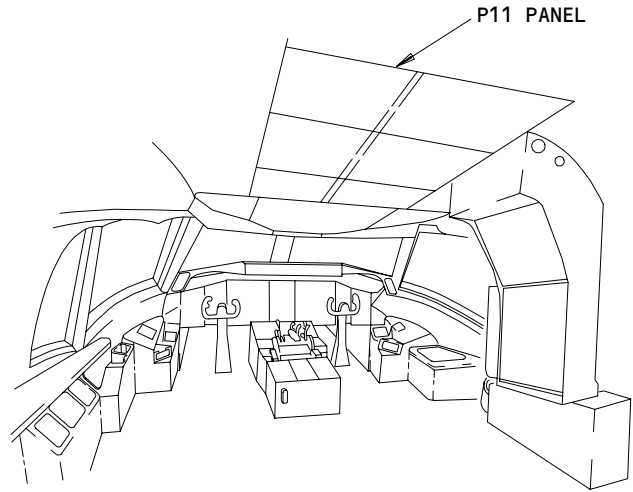
**29-18-00**

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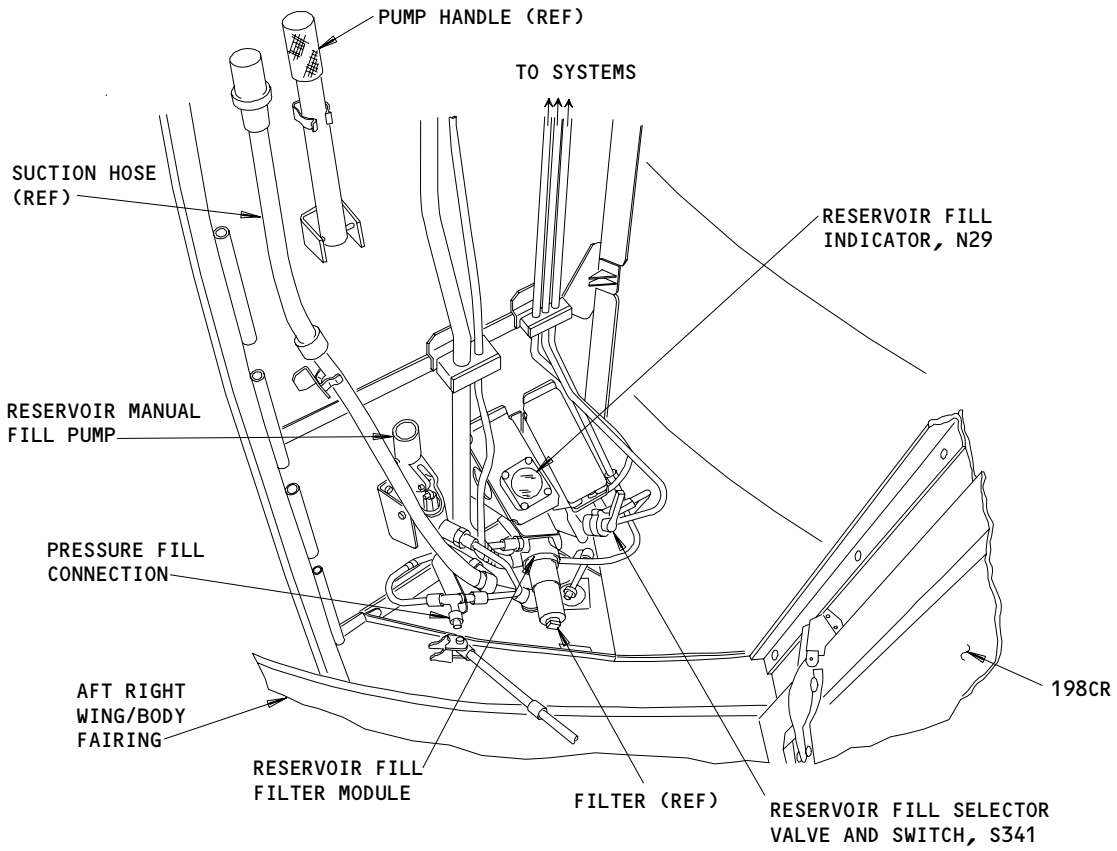
Page 101  
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AFT RIGHT WING/BODY FAIRING



FLT COMPT



HYDRAULIC RESERVOIR  
FILL STATION

(A)

Component Location  
Figure 102

EFFECTIVITY	
ALL	

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**BOEING**  
767  
FAULT ISOLATION/MAINT MANUAL

RAM AIR TURBINE (RAT) SYSTEM

COMPONENT	FIG. 102 SHT	QTY	ACCESS/AREA	AMM REFERENCE
ACTUATOR - RAT ROTARY	2	1	198GR, AFT RIGHT WING/BODY FAIRING, RAT ASSY, M614	29-21-06
ARM - RAT DEPLOYMENT	2	1	198GR, AFT RIGHT WING/BODY FAIRING, RAT ASSY, M614	29-21-07
ASSEMBLY - RAT, M614	2	1	198GR, AFT RIGHT WING/BODY FAIRING	29-21-01
CARD - (FIM 73-21-00/101, FIG. 101) L N2 ENGINE SPEED, M1093 R N2 ENGINE SPEED, M1092				
CIRCUIT BREAKERS			FLT COMPT, P6	
RAM AIR TURB AUTO, C1100		1	6C2	*
RAM AIR TURB MAN, C1089		1	6C1	*
RAM AIR TURBINE PWR, C1088		1	6J8	*
DOOR AND MOVEABLE DEPRESSOR - RAT COMPARTMENT	2	1	198GR, AFT RIGHT WING/BODY FAIRING	29-21-09
HUB - RAT	3	1	198GR, AFT RIGHT WING/BODY FAIRING, RAT ASSY, M614	29-21-01
LINK - RAT DOOR ACTUATION	2	1	198GR, AFT RIGHT WING/BODY FAIRING, RAT ASSY, M614	29-21-10
MODULE - RAT CHECKOUT	4	1	RIGHT WHEEL WELL	29-21-11
MOTOR - RAT ROTARY ACTUATOR ELECTRIC, M613	2	1	198GR, AFT RIGHT WING/BODY FAIRING, RAT ASSY, M614	29-21-05
PANEL - (FIM 80-11-00/101, FIG. 101) ENG IGN & START CONT, M49				
PUMP - RAT HYDRAULIC	3	1	198GR, AFT RIGHT WING/BODY FAIRING, RAT ASSY, M614	29-21-01
RELAY - RAT DEPLOY, K235	2	1	198GR, AFT RIGHT WING/BODY FAIRING	*
RELAY - RAT OVERRIDE, K236	2	1	198GR, AFT RIGHT WING/BODY FAIRING	*
RELAY - RAT RETRACT, K234	2	1	198GR, AFT RIGHT WING/BODY FAIRING	*
RELAY - (FIM 32-09-00/101, FIG. 101) SYS NO. 2, AIR/GND, K213				
SENSOR - RAT TACHOMETER SPEED	3	1	198GR, AFT RIGHT WING/BODY FAIRING, RAT ASSY, M614	29-21-15
SWITCH - AIRSPEED, S614	5	1	119AL, MAIN EQUIP CTR, FLT DECK FLOOR BEAMS	29-21-24
SWITCH - RAT CTR LIMIT, YENS2	3	1	198GR, AFT RIGHT WING/BODY FAIRING, RAT ASSY, M614	29-21-23
SWITCH - RAT DOWN LIMIT, S365	2	1	198GR, AFT RIGHT WING/BODY FAIRING, RAT ASSY, M614	29-21-17
SWITCH - RAT HYDRAULIC PRESSURE, S367	4	1	RIGHT WHEEL WELL, RAT CHECKOUT MODULE	29-21-11

\* SEE THE WDM EQUIPMENT LIST

Ram Air Turbine (RAT) System - Component Index  
Figure 101 (Sheet 1)

EFFECTIVITY

ALL

29-21-00

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Dec 22/00

35133

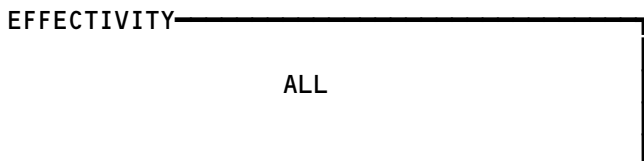



**BOEING**  
 767  
 FAULT ISOLATION/MAINT MANUAL

COMPONENT	FIG. 102 SHT	QTY	ACCESS/AREA	REFERENCE
SWITCH - RAT MANUAL DEPLOYMENT, S4	1	1	FLT COMPT, P5	*
SWITCH - RAT OVERRIDE LIMIT, S501	2	1	198GR, AFT RIGHT WING/BODY FAIRING, RAT ASSY, M614	29-21-17
SWITCH - RAT RETRACTION, S366	4	1	RIGHT WHEEL WELL	*
SWITCH - RAT STRUT ANGLE, YENS1	3	1	198GR, AFT RIGHT WING/BODY FAIRING, RAT ASSY, M614	29-21-22
SWITCH - RAT UP LIMIT, S369	2	1	198GR, AFT RIGHT WING/BODY FAIRING, RAT ASSY, M614	29-21-17
TACHOMETER - RAT, N72	4	1	RIGHT WHEEL WELL	29-21-16
VALVE - RAT ISOLATION CHECK	6	1	LEFT WHEEL WELL	29-21-00
VALVE - RAT PRESSURE RELIEF	4	1	RIGHT WHEEL WELL	29-21-18

\* SEE WM EQUIPMENT LIST

Component Access  
Figure 101 (Sheet 2)



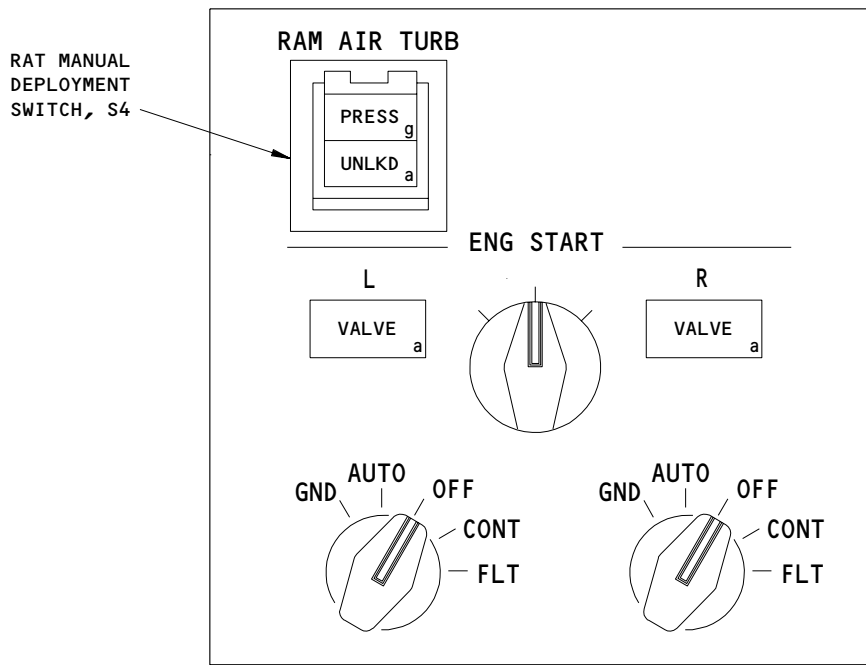
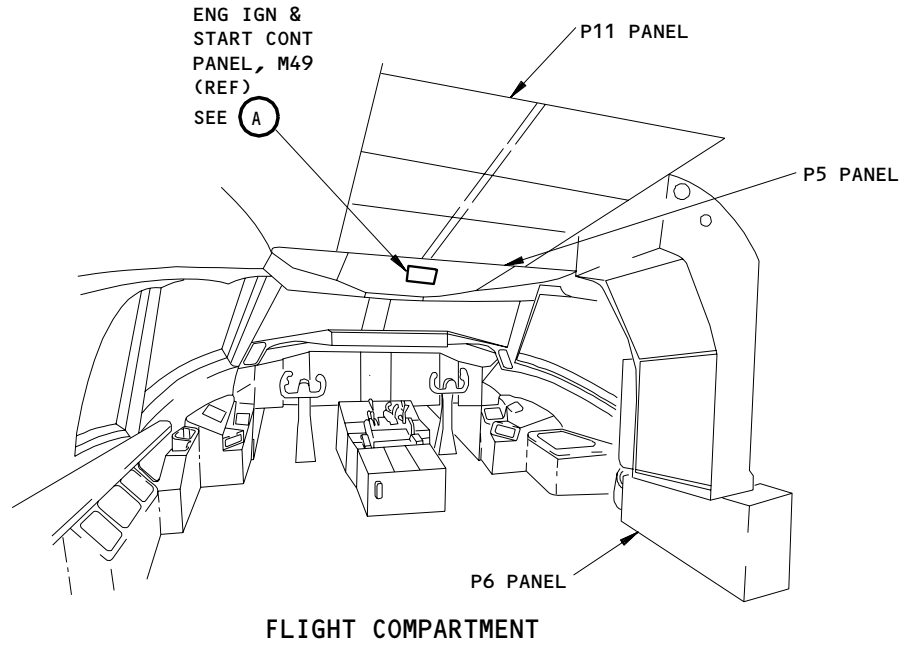
29-21-00

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94179

**BOEING**  
767  
FAULT ISOLATION/MAINT MANUAL



ENG IGN & START CONT PANEL, M49 (REF)

(A)

Ram Air Turbine (RAT) System - Component Location  
Figure 102 (Sheet 1)

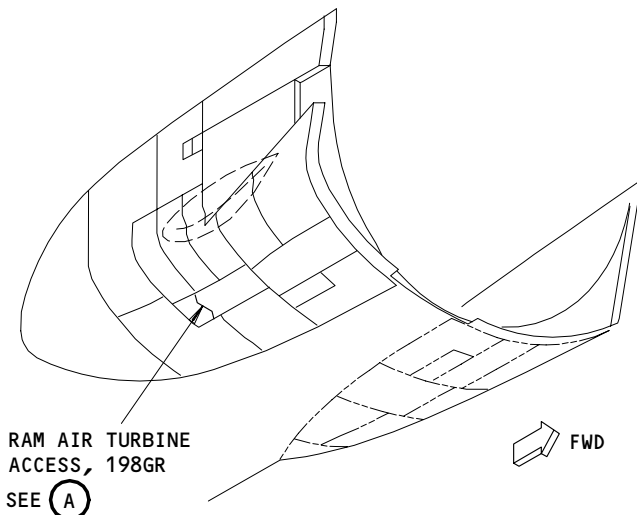
EFFECTIVITY	ALL
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29-21-00

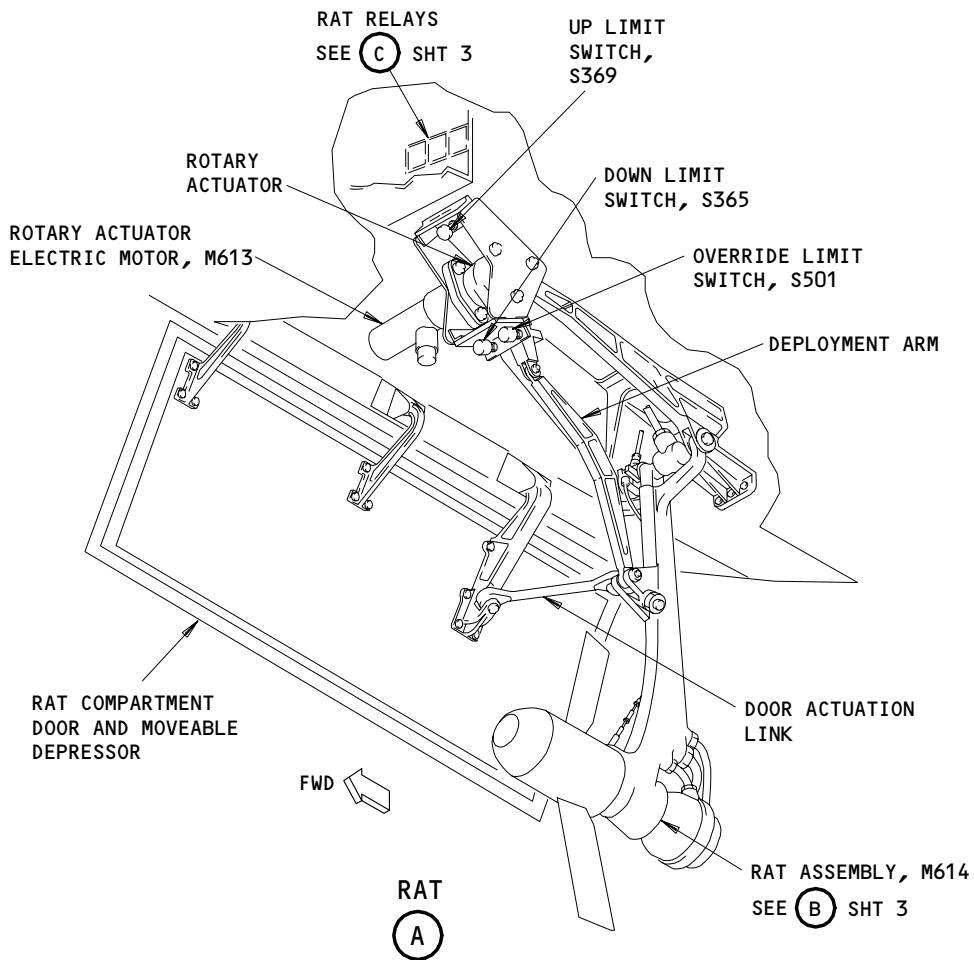
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33694



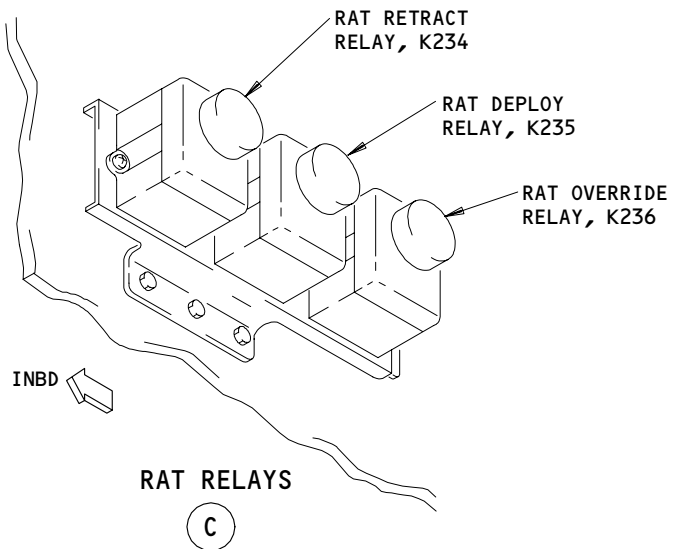
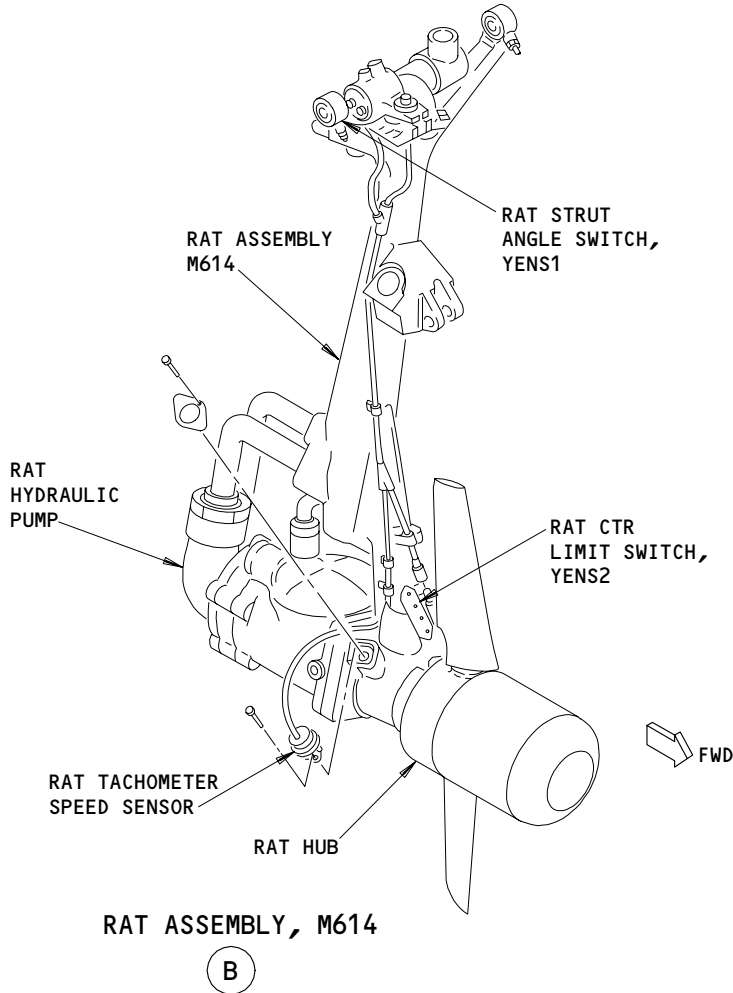
**AFT RIGHT WING/BODY FAIRING**



Component Location  
Figure 102 (Sheet 2)

EFFECTIVITY	
	ALL

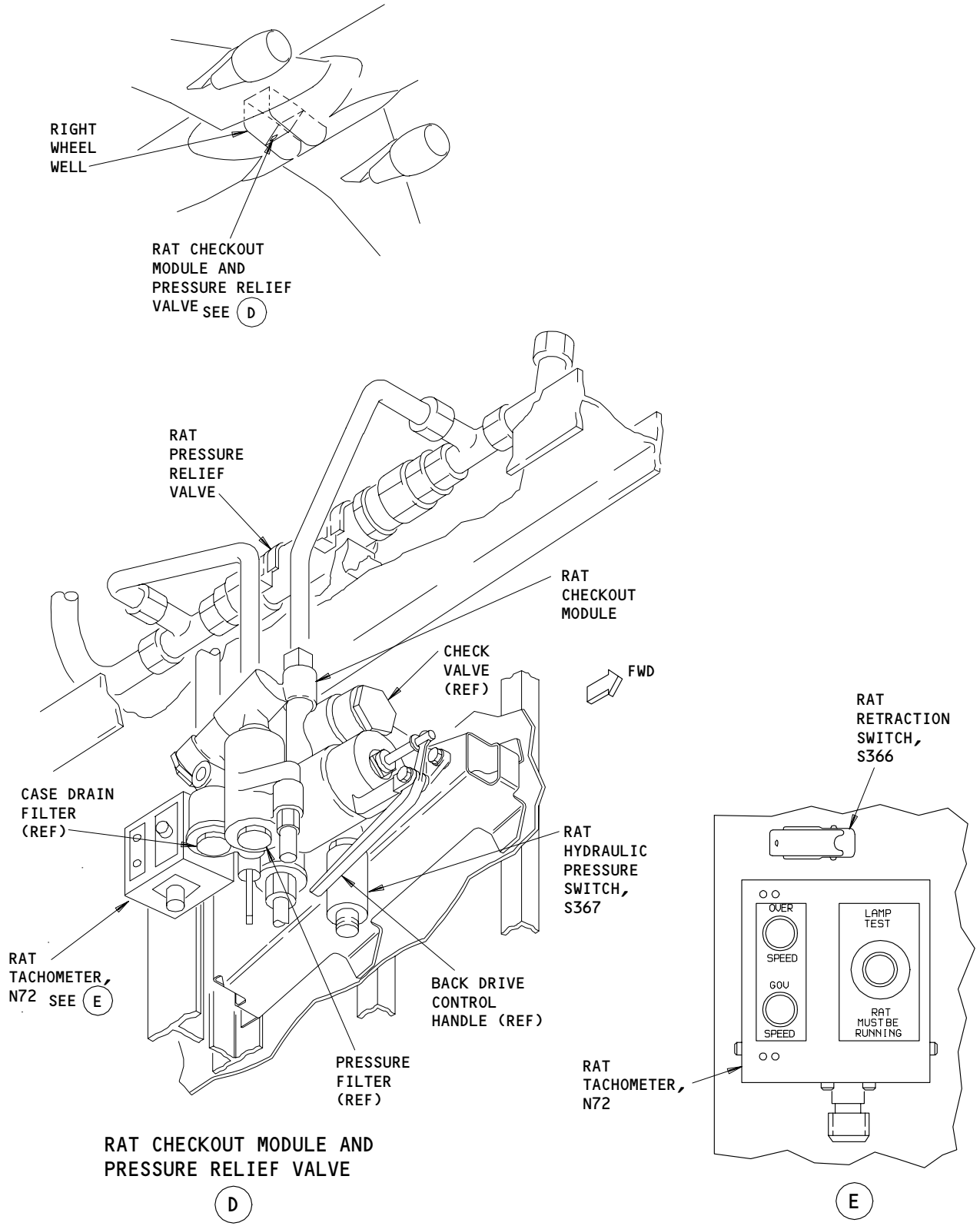
**29-21-00**



Component Location (Details From Sht-2)  
Figure 102 (Sheet 3)

EFFECTIVITY	
	ALL

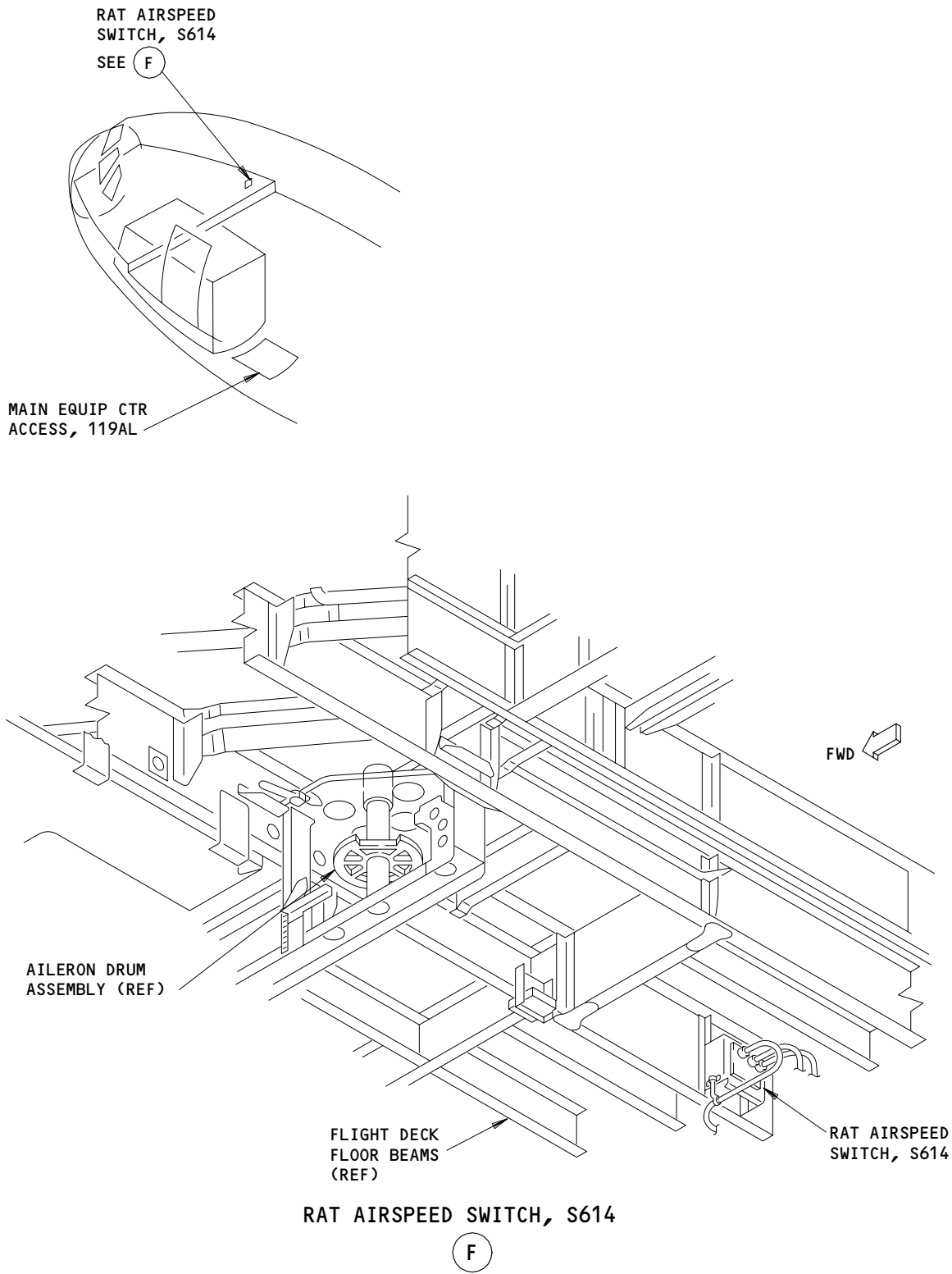
29-21-00



Component Location  
Figure 102 (Sheet 4)

EFFECTIVITY	
	ALL

**29-21-00**



RAT AIRSPEED SWITCH, S614  
(F)

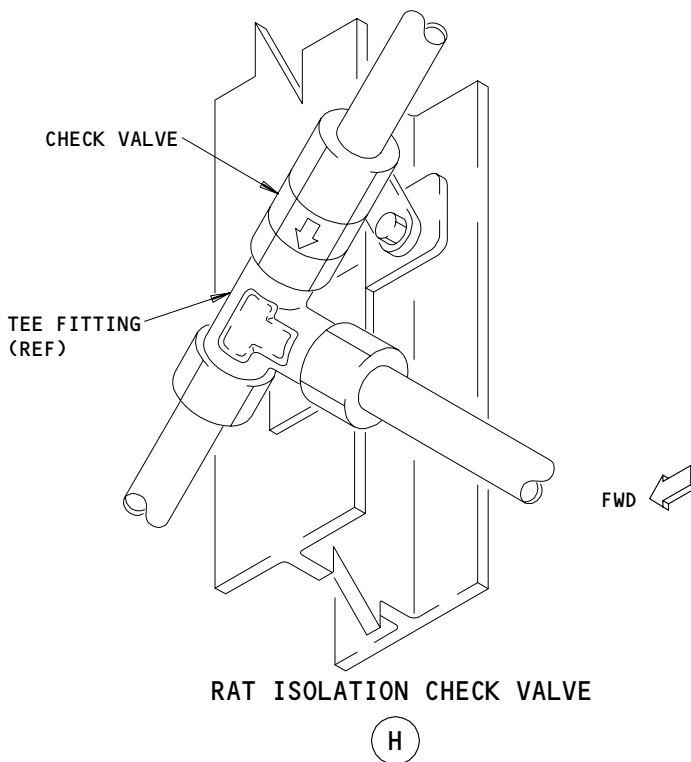
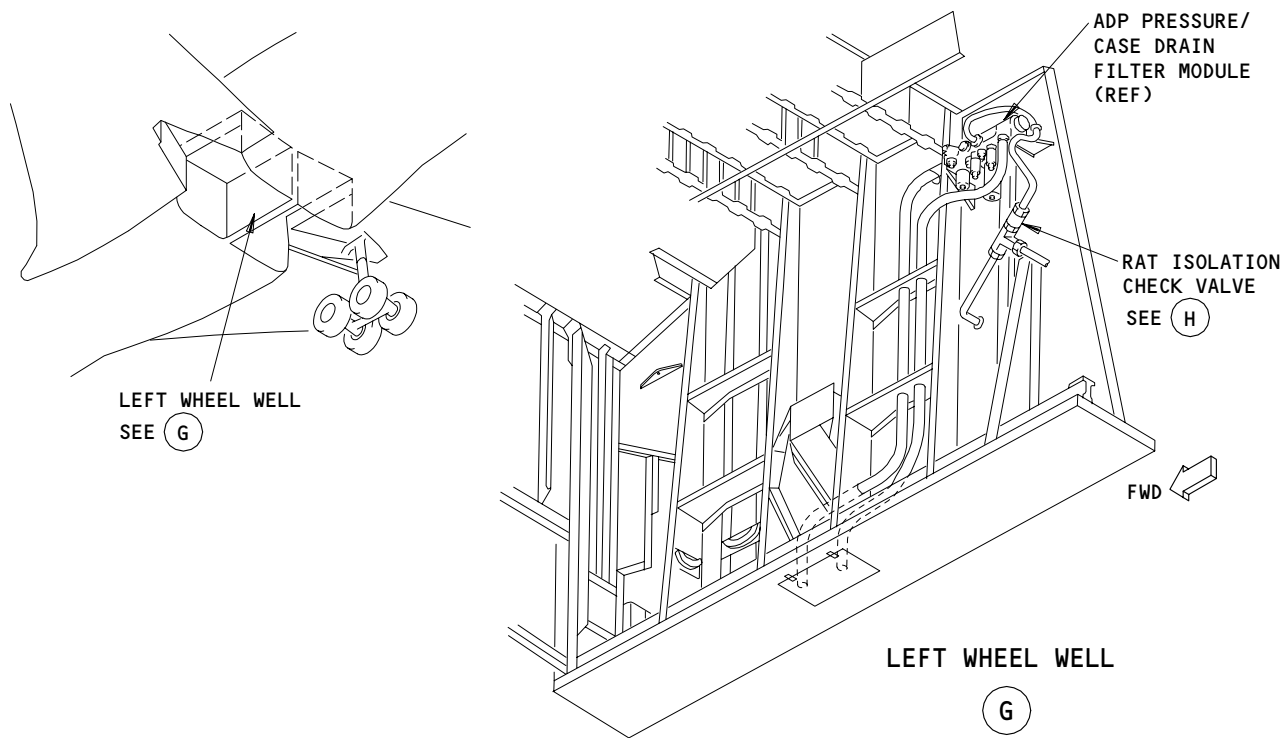
Component Location  
Figure 102 (Sheet 5)

EFFECTIVITY	ALL
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29-21-00

94958

**BOEING**  
767  
FAULT ISOLATION/MAINT MANUAL



Component Location  
Figure 102 (Sheet 6)

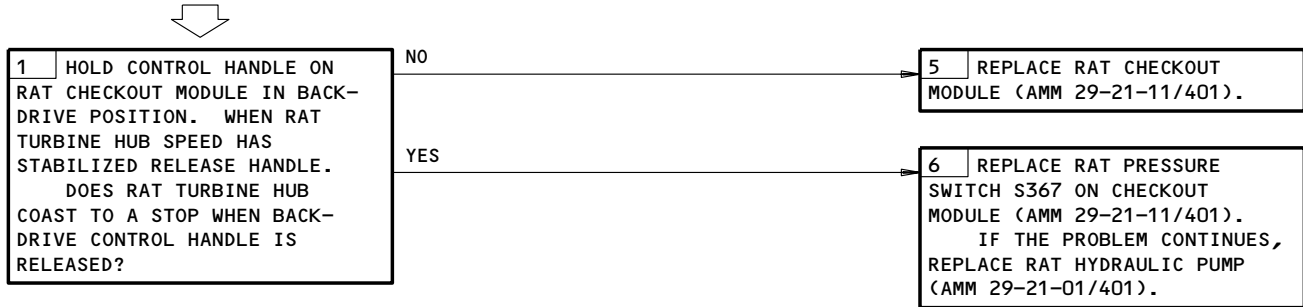
EFFECTIVITY	
	ALL

29-21-00

RAT PRESSURE LIGHT  
DID NOT ILLUMINATE  
WHEN BACK-DRIVE  
CONTROL HANDLE WAS  
RETURNED TO NORMAL

**PREREQUISITES**

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



RAT Pressure Light Did Not Illuminate When Back-Drive Control Handle  
Was Returned to Normal  
Figure 103

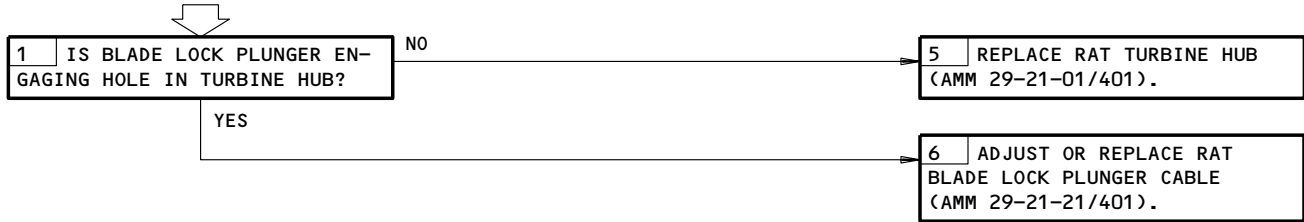
EFFECTIVITY	ALL
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29-21-00



RAT TURBINE HUB  
 DID NOT UNLOCK WHEN  
 RAT DEPLOYED

**PREREQUISITES**  
 MAKE SURE THE AIRPLANE IS IN THIS CONFIGURATION:  
 RAT IN DEPLOYED POSITION (AMM 29-21-00/201)



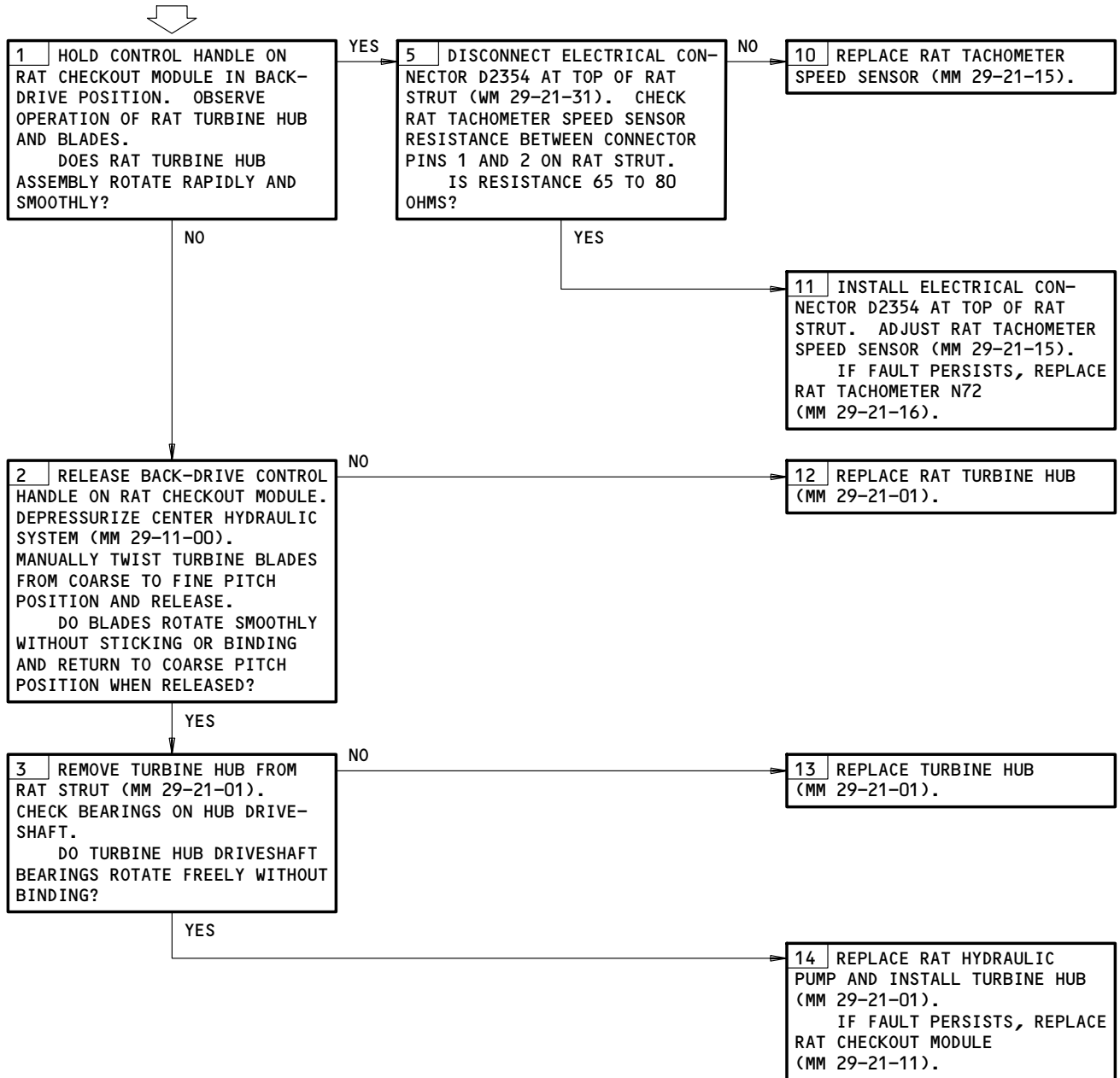
RAT Turbine Hub Did Not Unlock When RAT Deployed  
 Figure 104

EFFECTIVITY	ALL
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**29-21-00**

RAT TACHOMETER  
OVERSPEED AND GOV  
SPEED LIGHTS NOT  
ILLUMINATED, LIGHTS  
REMAIN OFF WITH  
LAMP TEST SWITCH ON

**PREREQUISITES**  
ELECTRICAL POWER (MM 24-22-00)  
CENTER HYDRAULIC SYSTEM PRESSURIZED (MM 29-11-00)



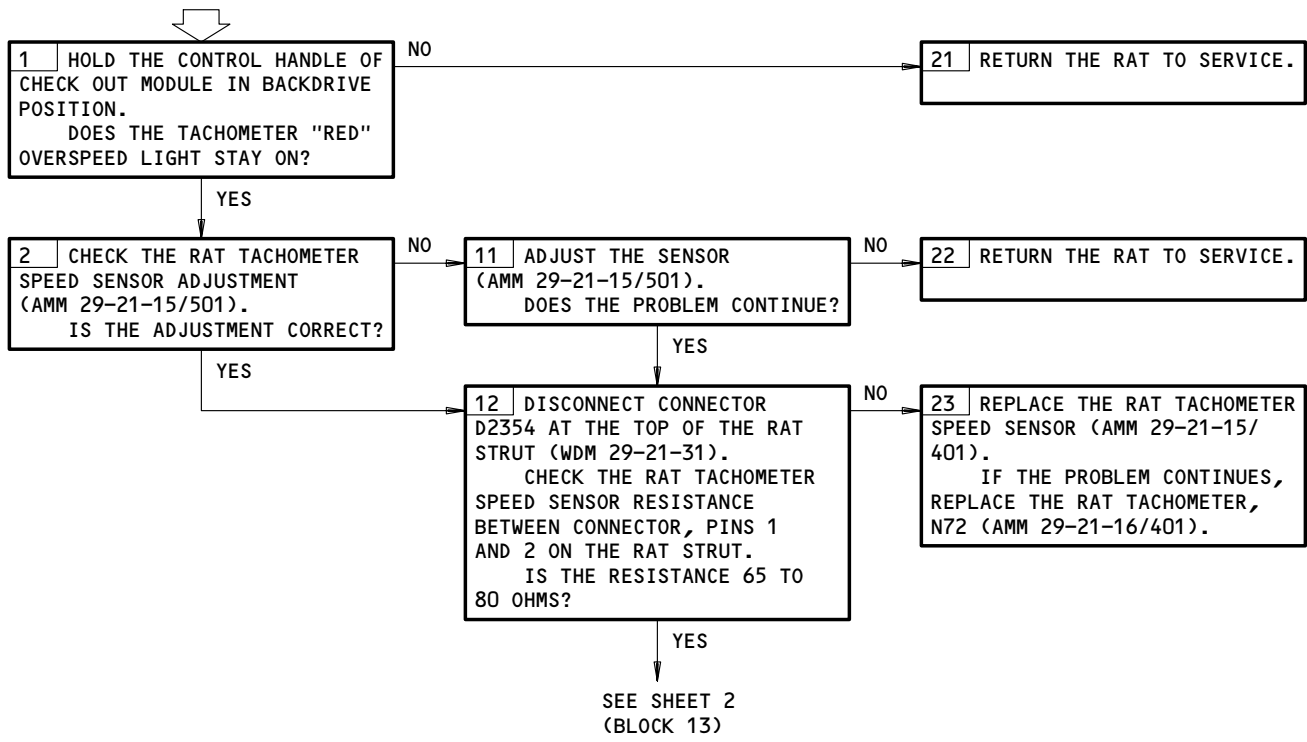
RAT Tachometer Overspeed and Gov Speed Lights Not Illuminated, Lights  
Remain Off with Lamp Test Switch On  
Figure 105

EFFECTIVITY	ALL
-------------	-----

29-21-00

**RAT TACHOMETER  
OVERSPEED LIGHT  
REMAINS ON WHILE  
PERFORMING RAT  
SYSTEM TEST**

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



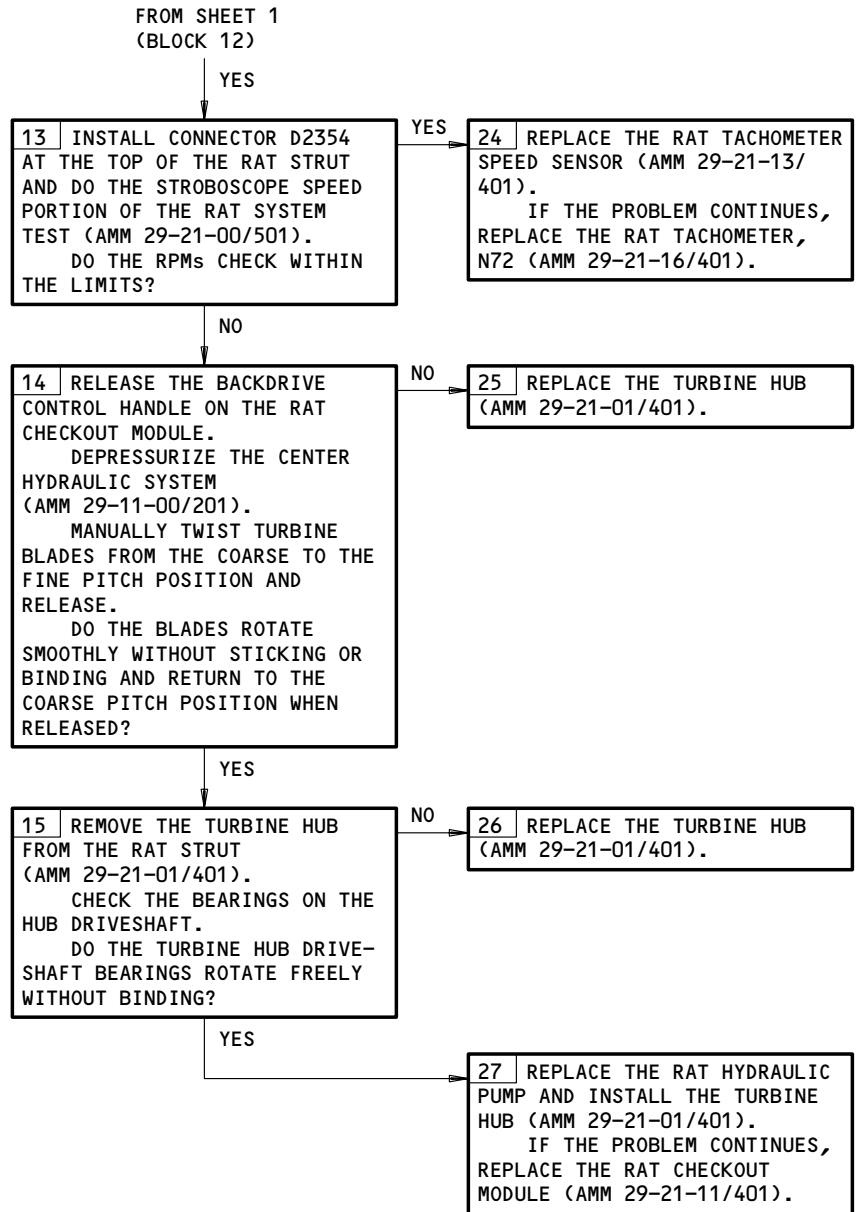
RAT Tachometer Overspeed Light Remains On While Performing RAT System Test  
Figure 105A (Sheet 1)

EFFECTIVITY	ALL
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29-21-00

C63048

**BOEING**  
767  
FAULT ISOLATION/MAINT MANUAL



RAT Tachometer Overspeed Light Remains On While Performing RAT System Test  
Figure 105A (Sheet 2)

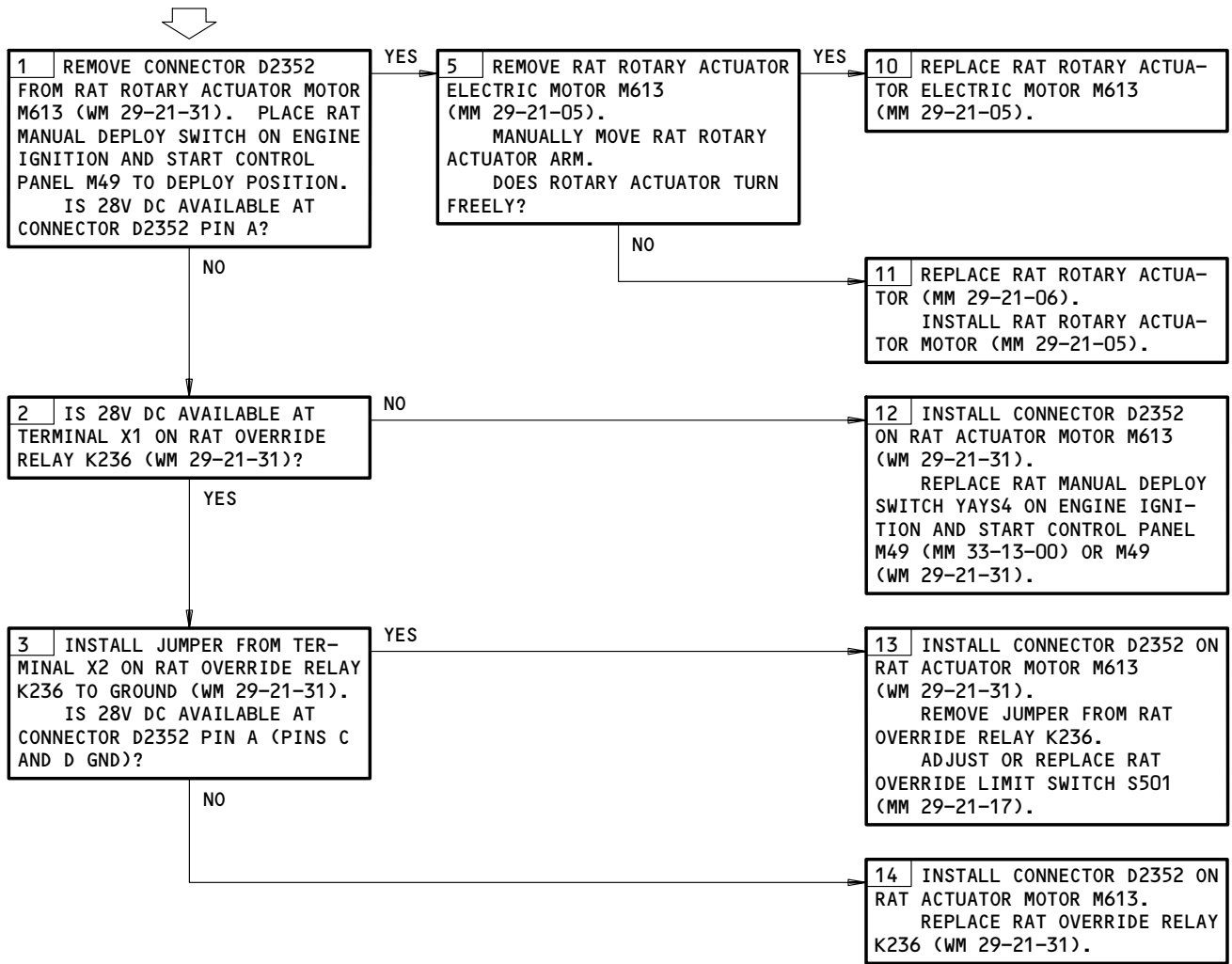
EFFECTIVITY	
	ALL

**29-21-00**

c63066

**RAT DID NOT DEPLOY  
WITH MANUAL DEPLOY  
SWITCH IN DEPLOY  
POSITION**

**PREREQUISITES**  
 ELECTRICAL POWER (MM 24-22-00)  
 CB'S: 6C1,6C2,6J8



RAT Did Not Deploy with Manual Deploy Switch in Deploy Position  
Figure 106

EFFECTIVITY	ALL
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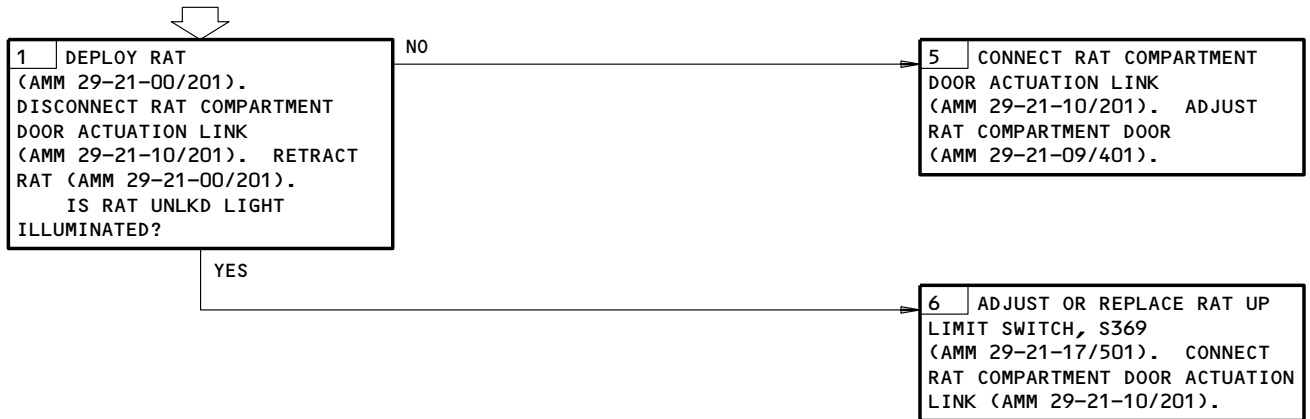
**29-21-00**

RAT UNLKD LIGHT  
ILLUMINATED AND  
EICAS MESSAGE "RAT  
UNLOCKED" DISPLAYED  
WITH RAT RETRACTED

**PREREQUISITES**

MAKE SURE THESE CIRCUIT BREAKERS ARE CLOSED:  
6C1, 6C2, 6J8

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



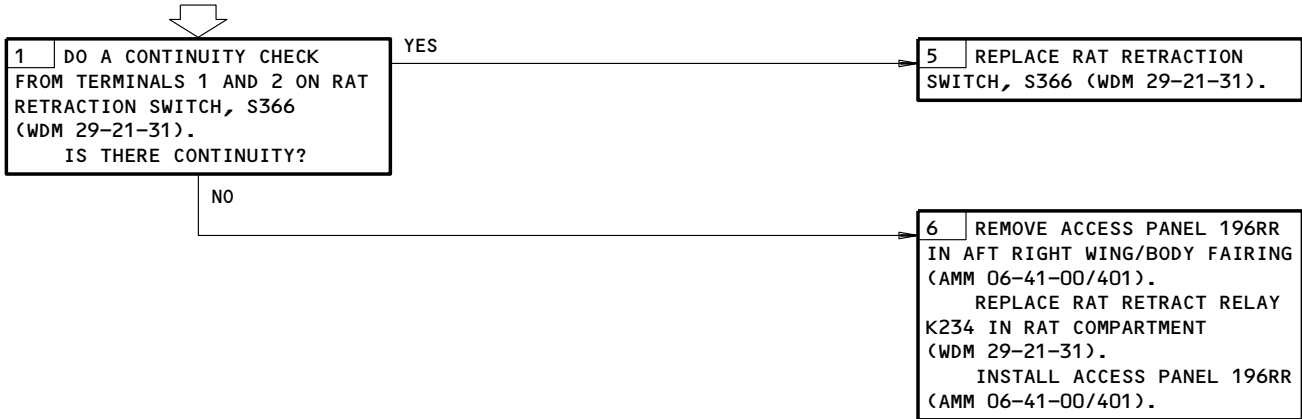
RAT UNLKD Light Illuminated and EICAS Message RAT UNLOCKED Displayed  
with RAT Retracted  
Figure 107

EFFECTIVITY	ALL
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**29-21-00**

RAT DID NOT STOP  
RETRACTING WITH  
RETRACTION SWITCH  
IN OFF POSITION

**PREREQUISITES**  
 MAKE SURE THESE CIRCUIT BREAKERS ARE CLOSED:  
 6C1,6C2,6J8



RAT Did Not Stop Retracting with Retraction Switch in OFF Position  
Figure 108

EFFECTIVITY	ALL
-------------	-----

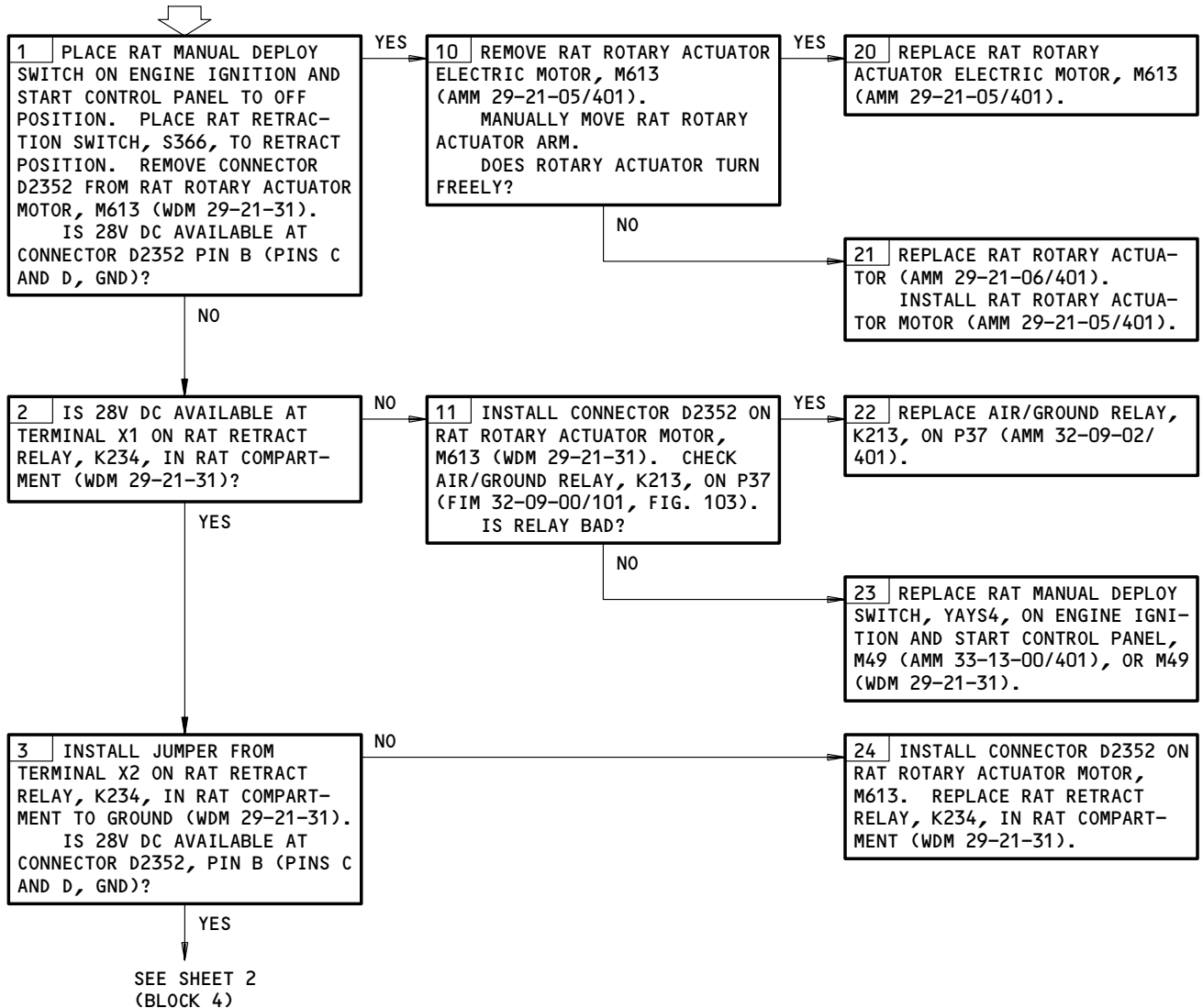
**29-21-00**

**RAT DID NOT RETRACT  
WITH RETRACTION  
SWITCH IN RETRACT  
POSITION**

**PREREQUISITES**

MAKE SURE THESE CIRCUIT BREAKERS ARE CLOSED:  
6C1,6C2,6J8

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



RAT Did Not Retract with Retraction Switch in Retract Position  
Figure 109 (Sheet 1)

EFFECTIVITY

ALL

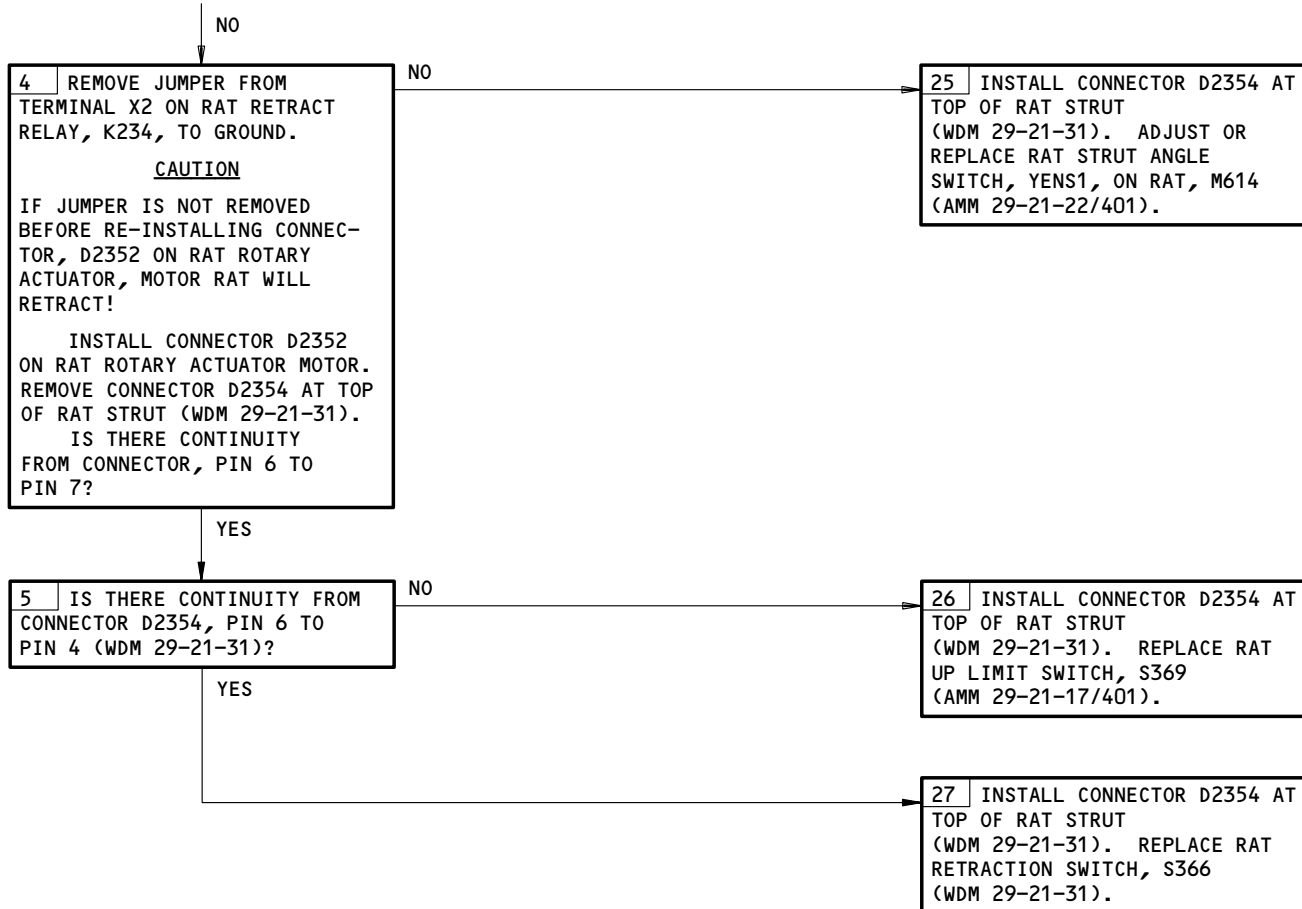
**29-21-00**

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(BLOCK 3)



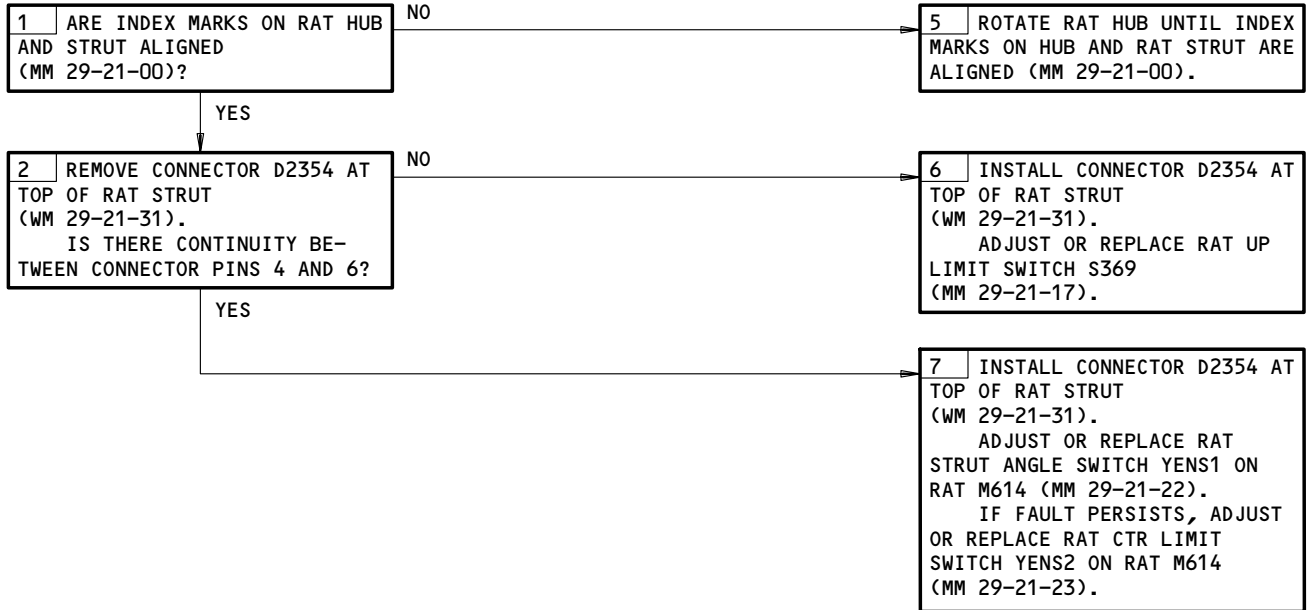
RAT Did Not Retract with Retraction Switch in Retract Position  
Figure 109 (Sheet 2)

EFFECTIVITY	ALL
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29-21-00

**PREREQUISITES**  
ELECTRICAL POWER (MM 24-22-00)  
CB'S: 6C1,6C2,6J8

**RAT DID NOT FULLY  
RETRACT**



RAT Did Not Fully Retract  
Figure 110

EFFECTIVITY	ALL
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29-21-00

**RAT DID NOT DEPLOY  
WHEN AUXILIARY  
PITOT SYSTEM NO. 2  
WAS PRESSURIZED  
ABOVE 80 KNOTS**

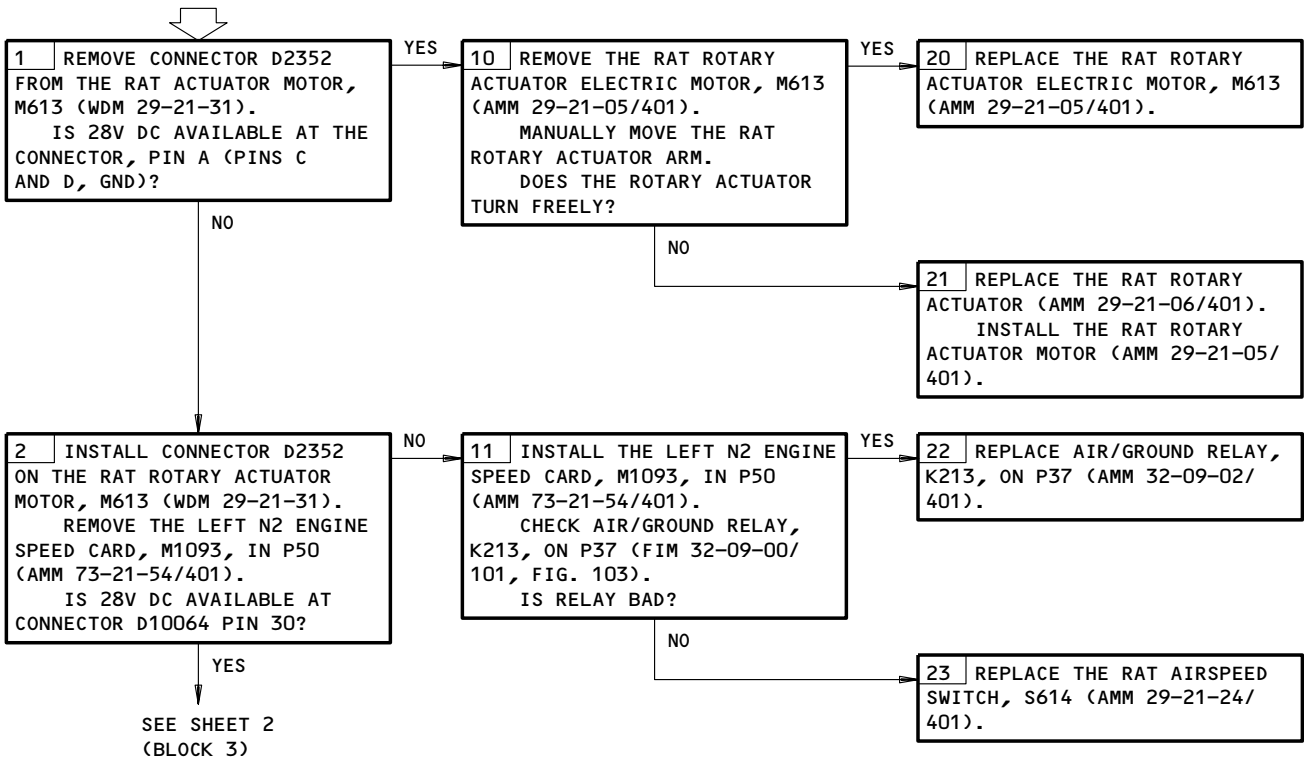
**PREREQUISITES**

MAKE SURE THIS SYSTEM WILL OPERATE:  
AUXILIARY PITOT SYSTEM NO. 2 PRESSURIZED  
ABOVE 80 KNOTS (AMM 34-11-00/201)

MAKE SURE THESE CIRCUIT BREAKERS ARE CLOSED:  
6C1,6C2,6J8

MAKE SURE THIS CIRCUIT BREAKER IS OPEN:  
11U24

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

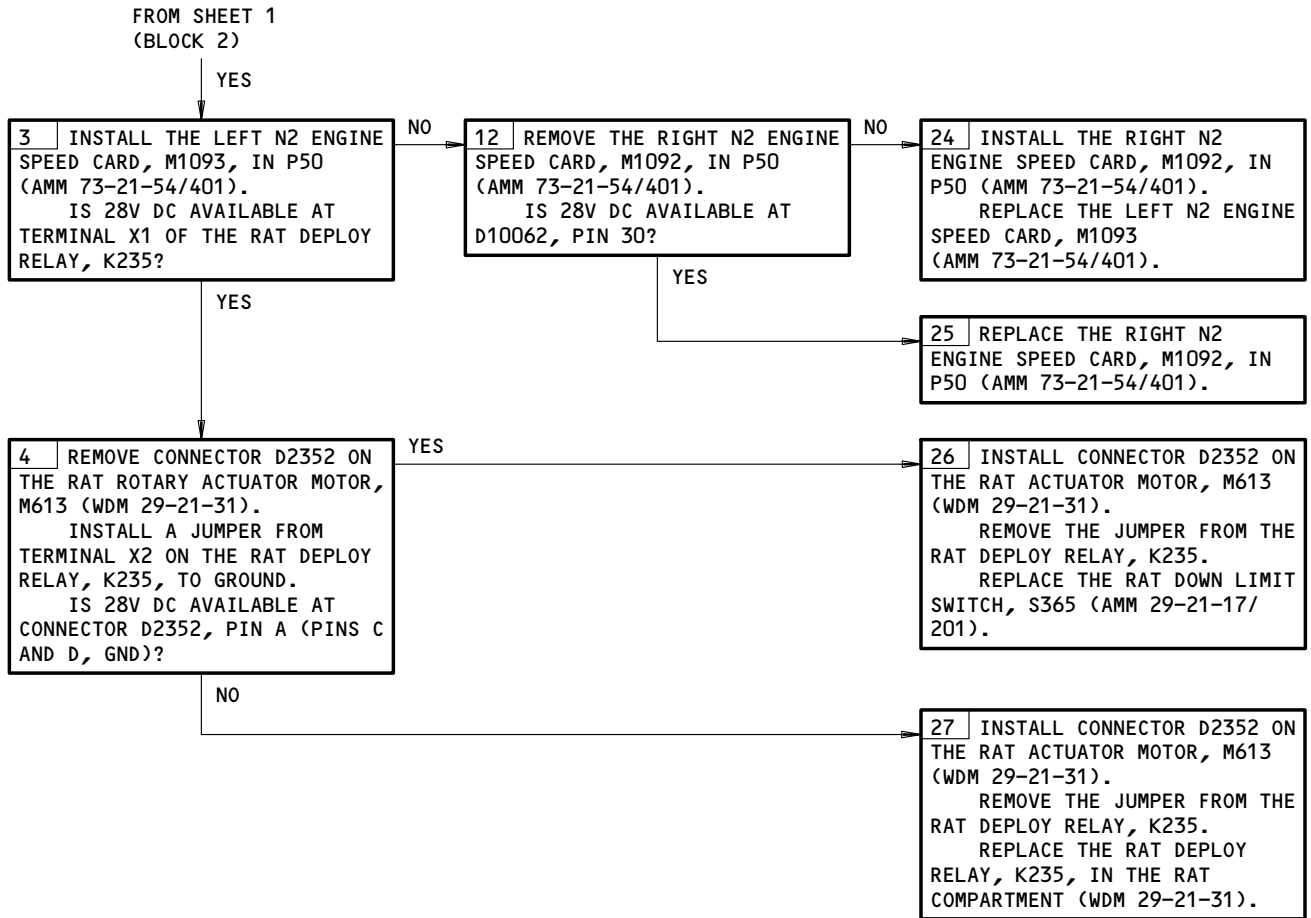


RAT Did Not Deploy When Auxiliary Pitot System No. 2 Was Pressurized Above 80 Knots  
Figure 111 (Sheet 1)

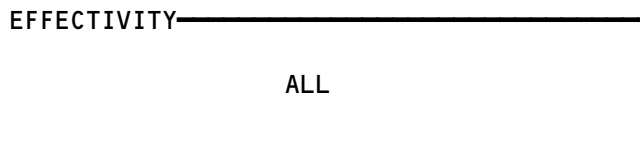
EFFECTIVITY

ALL
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**29-21-00**



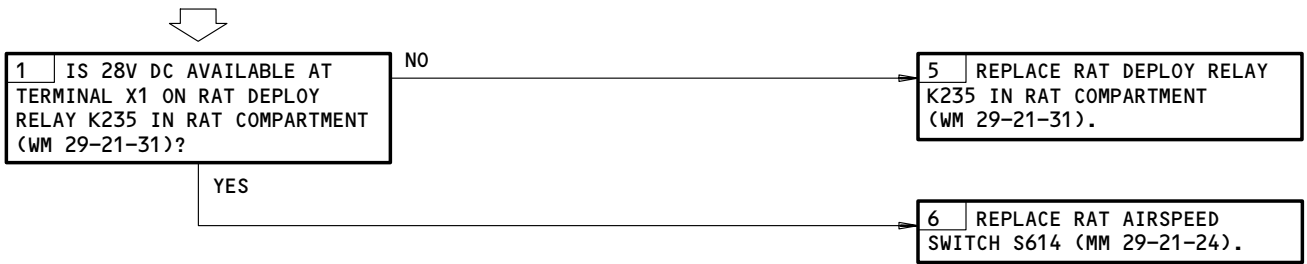
RAT Did Not Deploy When Auxiliary Pitot System No. 2 Was Pressurized Above 80 Knots  
Figure 111 (Sheet 2)



29-21-00

RAT DEPLOYED WHEN  
 AUXILIARY PITOT  
 SYSTEM NO. 2 WAS  
 PRESSURIZED BELOW  
 80 KNOTS

**PREREQUISITES**  
 ELECTRICAL POWER (MM 24-22-00)  
 AUXILIARY PITOT SYSTEM NO. 2 PRESSURIZED BELOW  
 80 KNOTS (MM 34-11-00)  
 CB'S: 6C1,6C2,6J8



RAT Deployed When Auxiliary Pitot System No. 2 Was Pressurized Below 80 Knots  
 Figure 112

EFFECTIVITY	ALL
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**29-21-00**



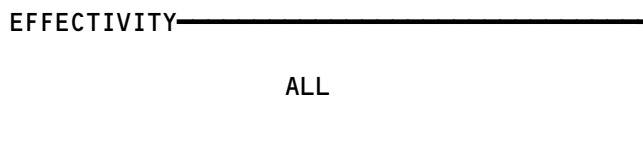
767  
 FAULT ISOLATION/MAINT MANUAL

PITCH ENHANCEMENT SYSTEM (PES)

COMPONENT	FIG. 102 SHT	QTY	ACCESS/AREA	REFERENCE
CIRCUIT BREAKER			FLT COMPT, P11	
HYDRAULICS PTU CONT, C1090		1	11L10	*
LEFT STAB TRIM CONT, C1017		1	11H11	*
STAB TRIM CONT R, C1018		1	11H20	*
DIODE - (REF 31-01-37, FIG. 101) R397,R398				
MODULE - PTU CASE DRAIN FILTER	1	1	312AR, FORWARD STABILIZER COMPARTMENT	29-22-03
MODULE - PTU PRESSURE FILTER	1	1	312AR, FORWARD STABILIZER COMPARTMENT	29-22-04
MODULE - PTU RETURN COMPENSATOR	3	1	312AR, FORWARD STABILIZER COMPARTMENT	29-22-02
PANEL - (REF 29-11-00, FIG. 101) RESERVE BRAKES AND STEERING, M1216				
RELAY - (REF 31-01-33, FIG. 101) L HYD SYS ISOL, K1149				
MAN STAB TRIM DOWN ARM, K1153				
MAN STAB TRIM UP ARM, K1154				
PES TIME DELAY, K1150				
R HYD SYS SHUTOFF, K1148				
RELAY - (REF 31-01-37, FIG. 101) SYS NO. 2 AIR/GND, K1064				
SWITCH - (REF 27-41-00, FIG. 101) CAPT STAB TRIM CONT WHEEL, S80 F/O STAB TRIM CONT WHEEL, S81				
UNIT - POWER TRANSFER	1	1	312AR, FORWARD STABILIZER COMPARTMENT	29-22-01
VALVE - L HYD SYS ISOLATION, V150	3	1	312AR, FORWARD STABILIZER COMPARTMENT	29-22-05
VALVE - R HYD SYS SHUTOFF, V149	1	1	312AR, FORWARD STABILIZER COMPARTMENT	29-22-06

\* SEE THE WDM EQUIPMENT LIST

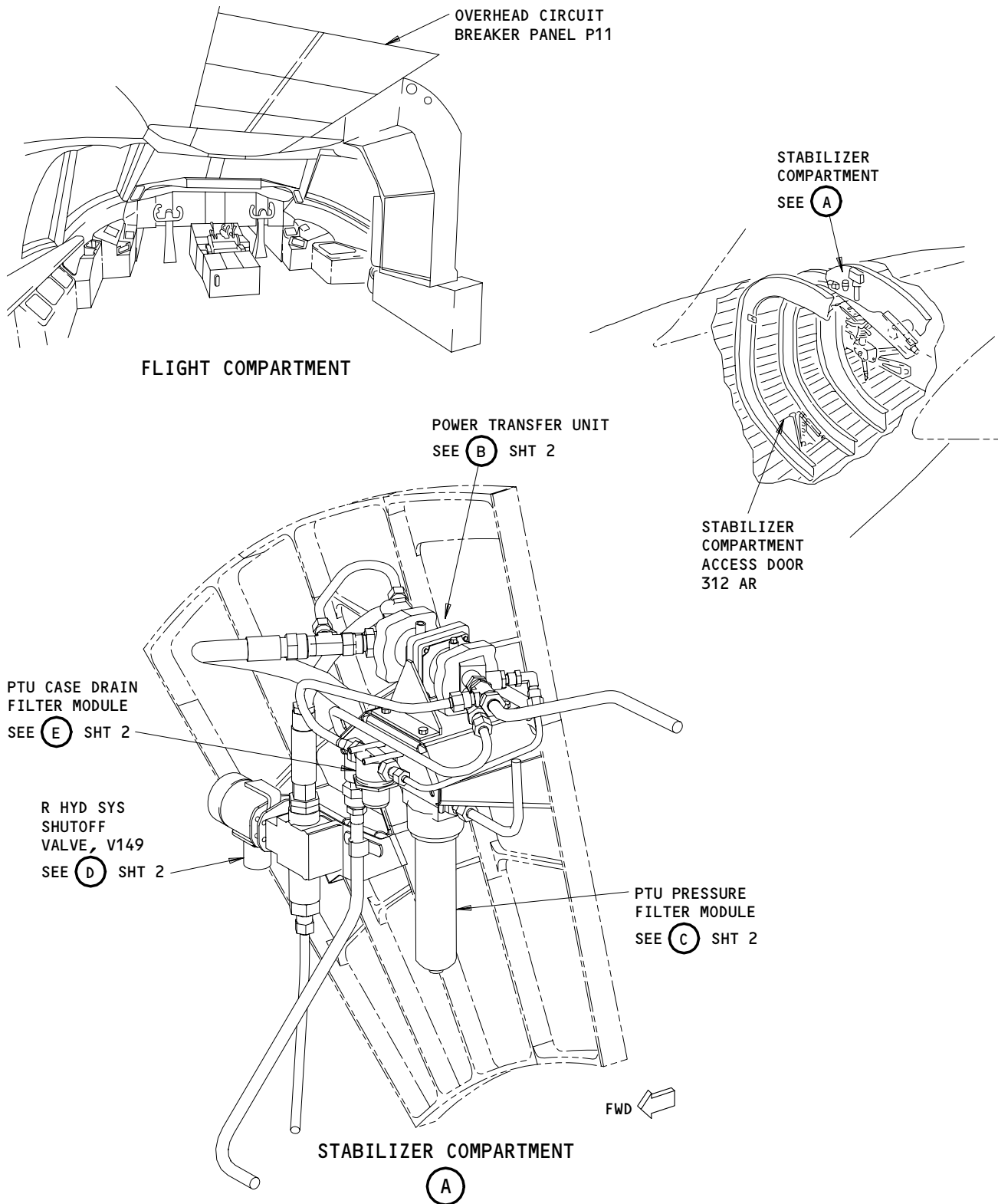
Pitch Enhancement System (PES) - Component Index  
 Figure 101



29-22-00

# BOEING

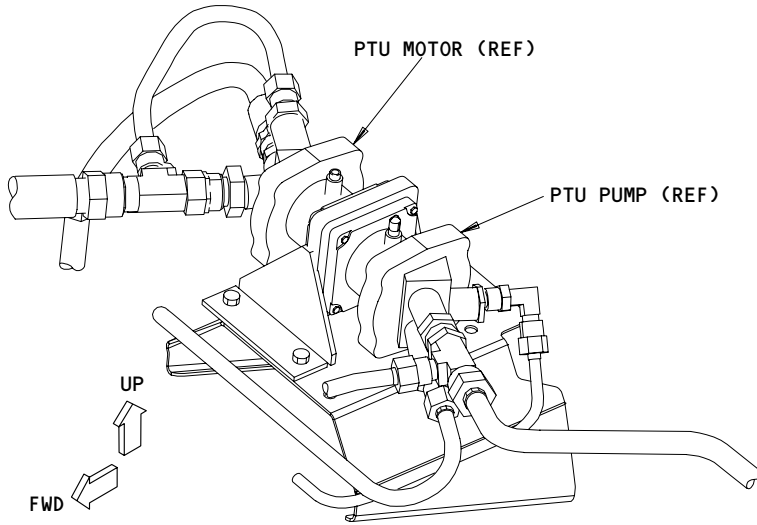
## 767 FAULT ISOLATION/MAINT MANUAL



Component Location  
Figure 102 (Sheet 1)

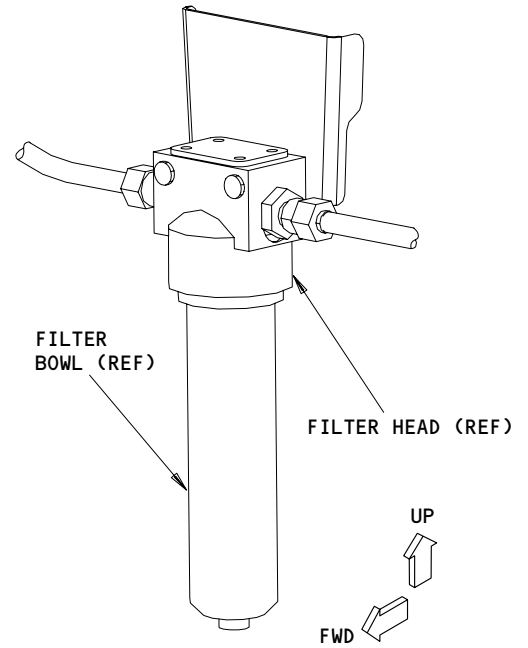
EFFECTIVITY	ALL
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29-22-00



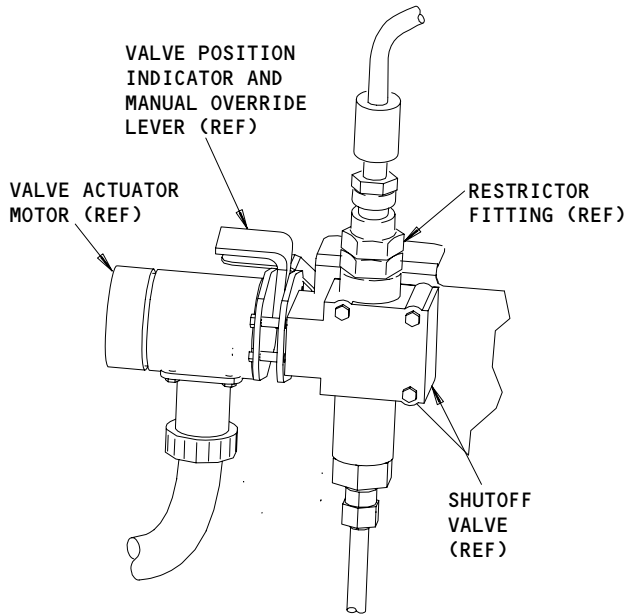
**POWER TRANSFER UNIT**

(B)



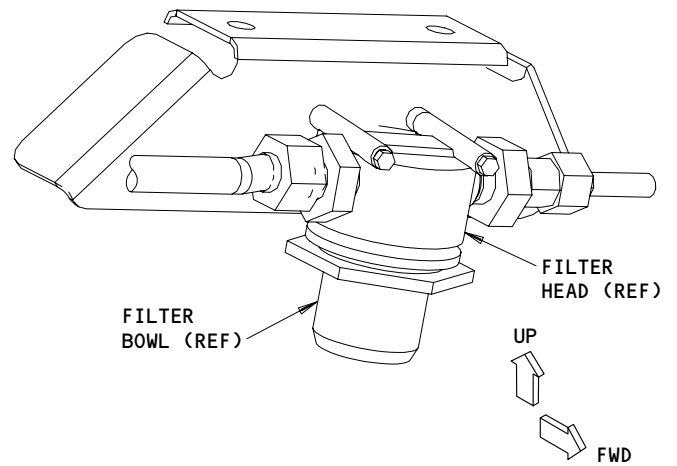
**PTU PRESSURE FILTER MODULE**

(C)



**R HYD SYS SHUTOFF VALVE, V149**

(D)



**PTU CASE DRAIN FILTER MODULE**

(E)

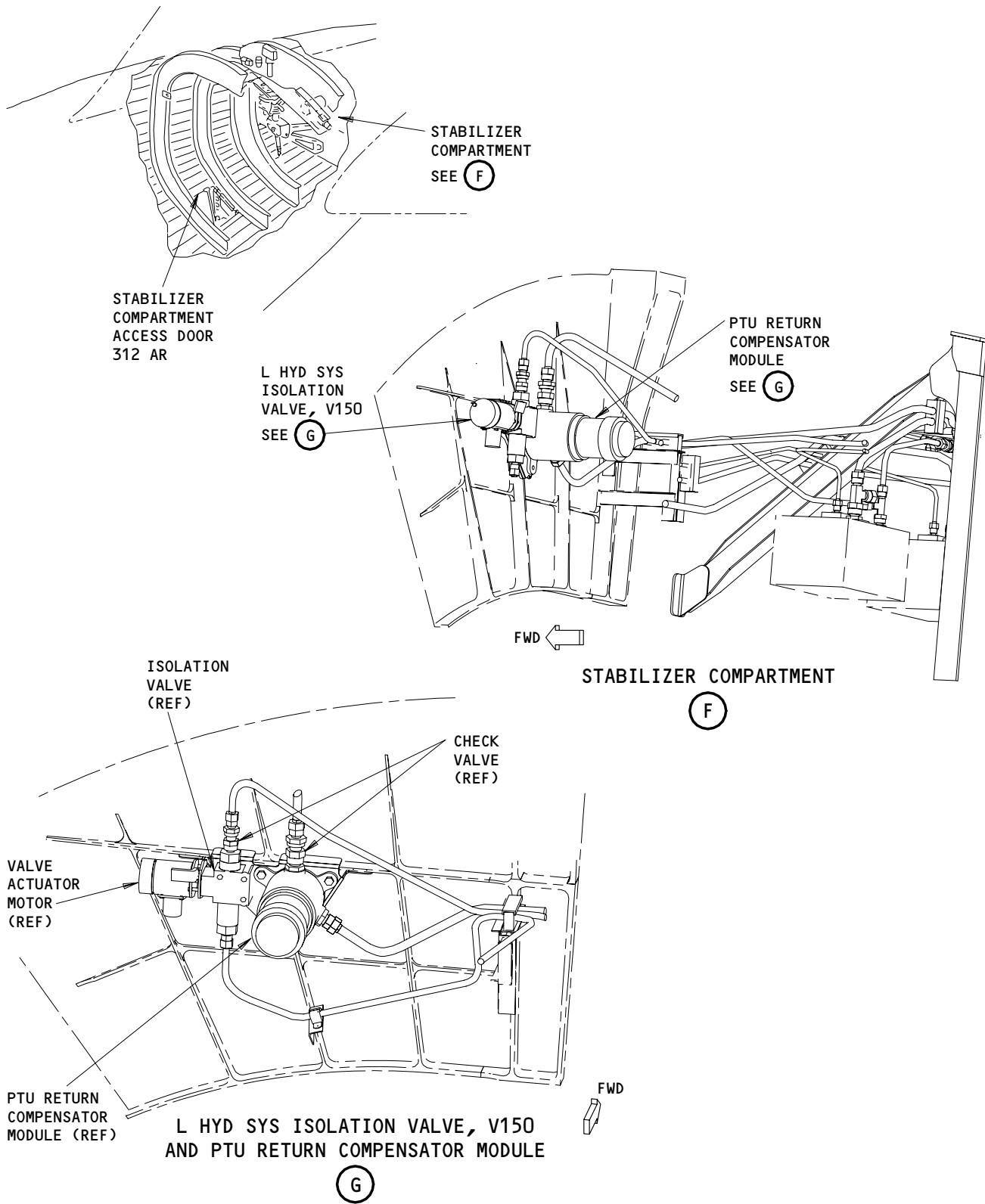
Component Location (Details From Sht 1)  
Figure 102 (Sheet 2)

EFFECTIVITY	ALL

**29-22-00**



**BOEING**  
767  
FAULT ISOLATION/MAINT MANUAL



Component Location  
Figure 102 (Sheet 3)

EFFECTIVITY	
	ALL

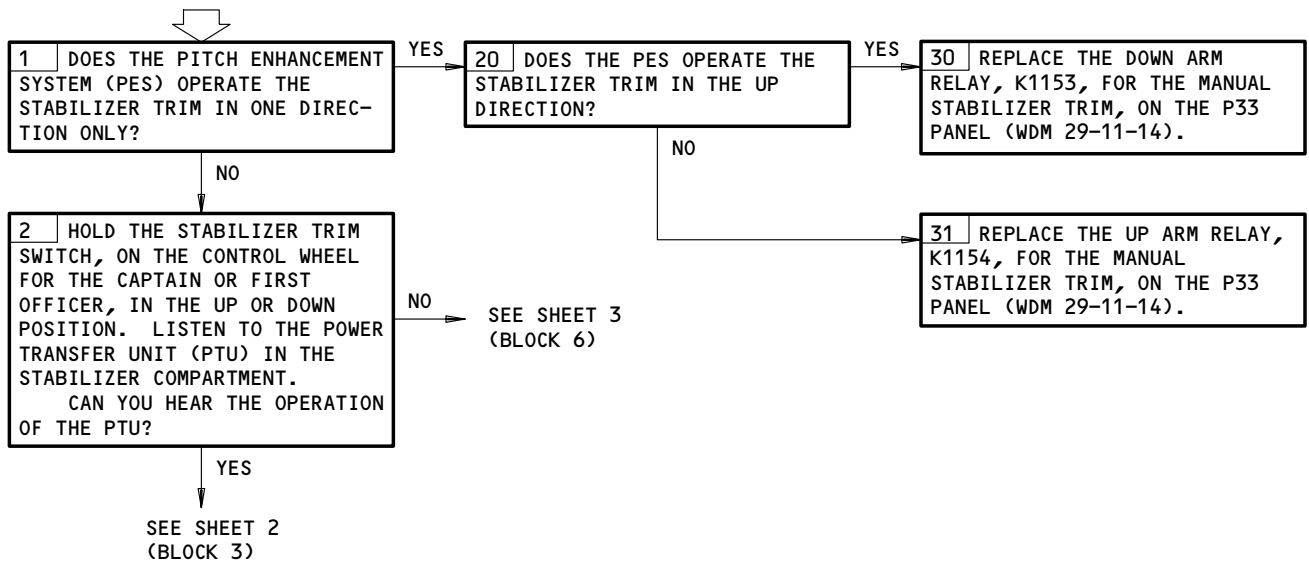
29-22-00

**PREREQUISITES**

MAKE SURE THESE CIRCUIT BREAKERS ARE CLOSED:  
11H11,11L10

MAKE SURE THE AIRPLANE IS IN THIS CONFIGURATION:  
ELECTRICAL POWER IS ON (MM 24-22-00/201)  
THE LEFT AND CENTER HYDRAULIC POWER IS OFF  
(MM 29-11-00/201)  
THE RIGHT HYDRAULIC SYSTEM IS PRESSURIZED  
(MM 29-11-00/201)  
THE AIR/GROUND RELAYS FOR SYSTEM NO. 2 ARE  
SIMULATED IN THE AIR MODE (MM 32-09-02/201)

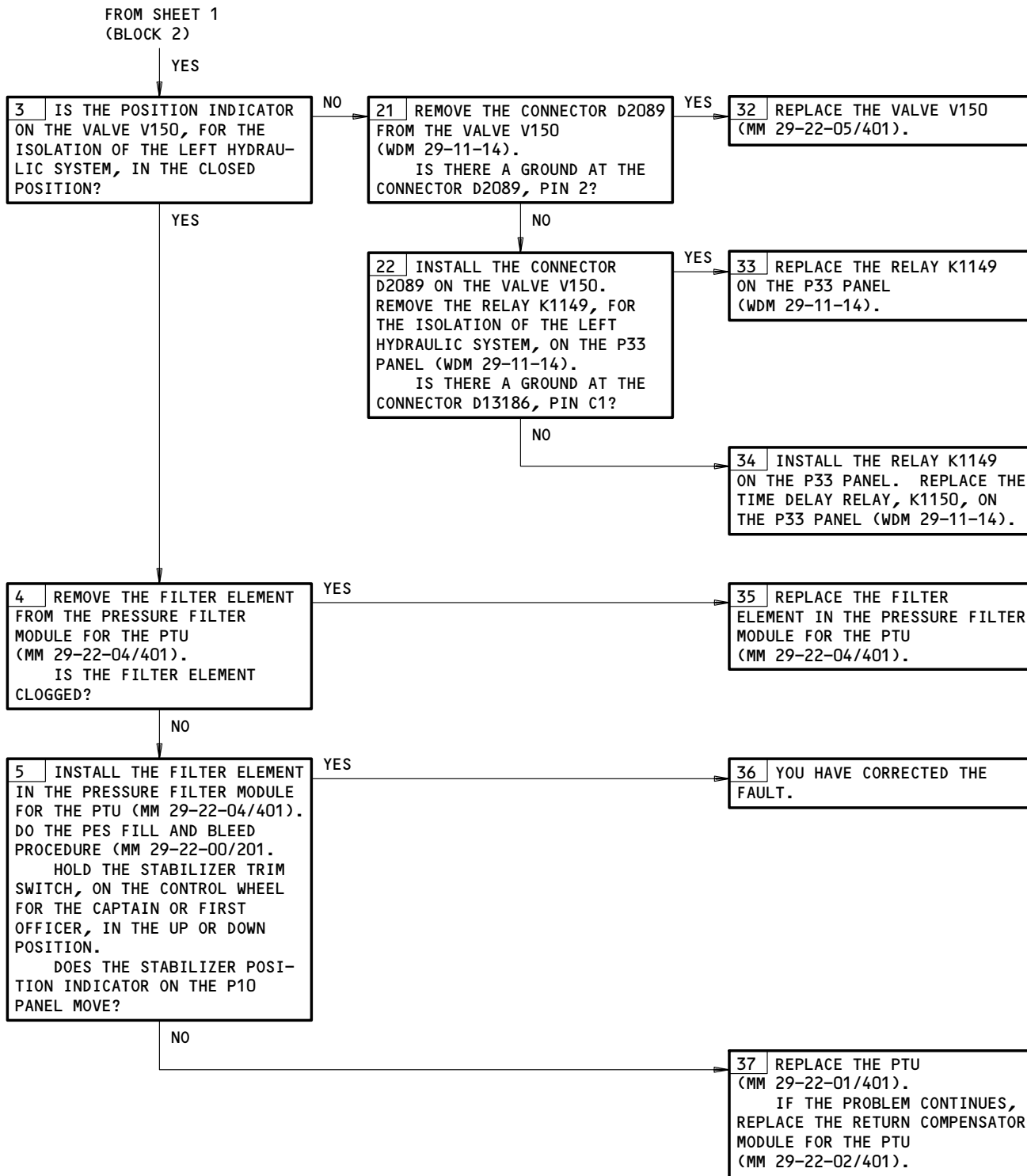
**THE PITCH ENHANCEMENT SYSTEM (PES) DOES NOT OPERATE THE STABILIZER TRIM**



The Pitch Enhancement System (PES) Does Not Operate the Stabilizer Trim  
Figure 103 (Sheet 1)

EFFECTIVITY	ALL
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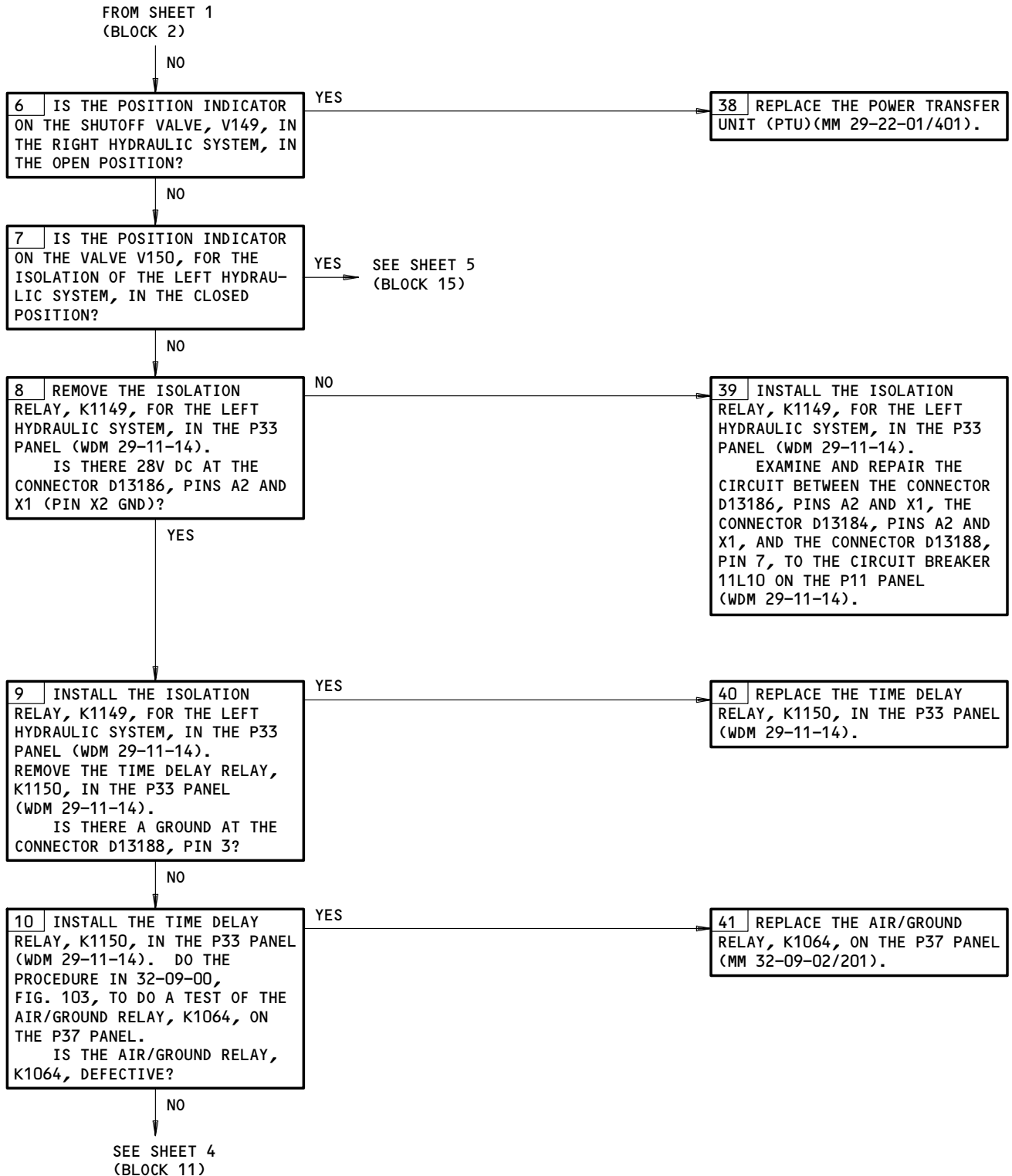
**29-22-00**



The Pitch Enhancement System (PES) Does Not Operate the Stabilizer Trim  
Figure 103 (Sheet 2)

EFFECTIVITY	ALL
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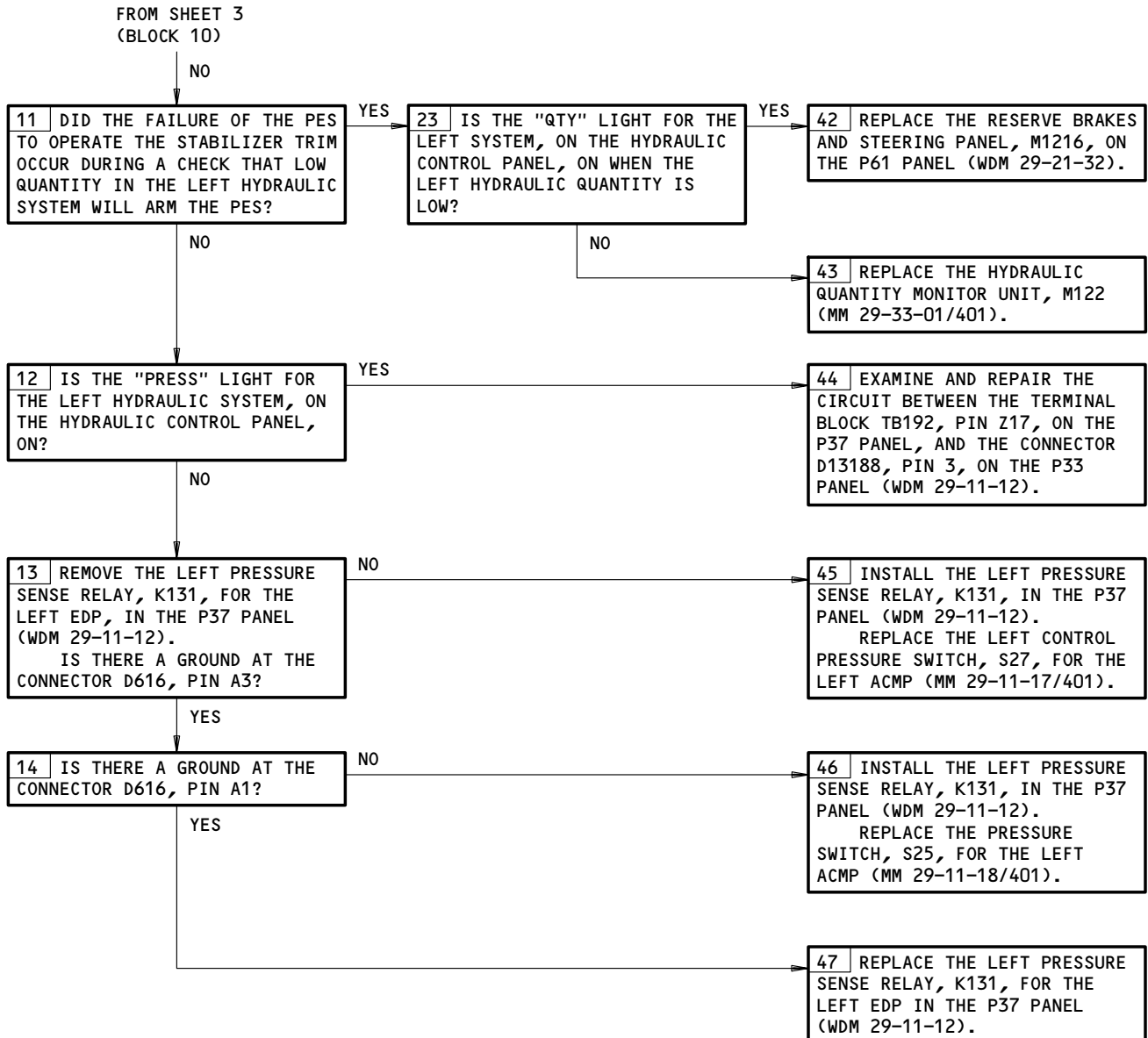
29-22-00



The Pitch Enhancement System (PES) Does Not Operate the Stabilizer Trim  
Figure 103 (Sheet 3)

EFFECTIVITY	
ALL	

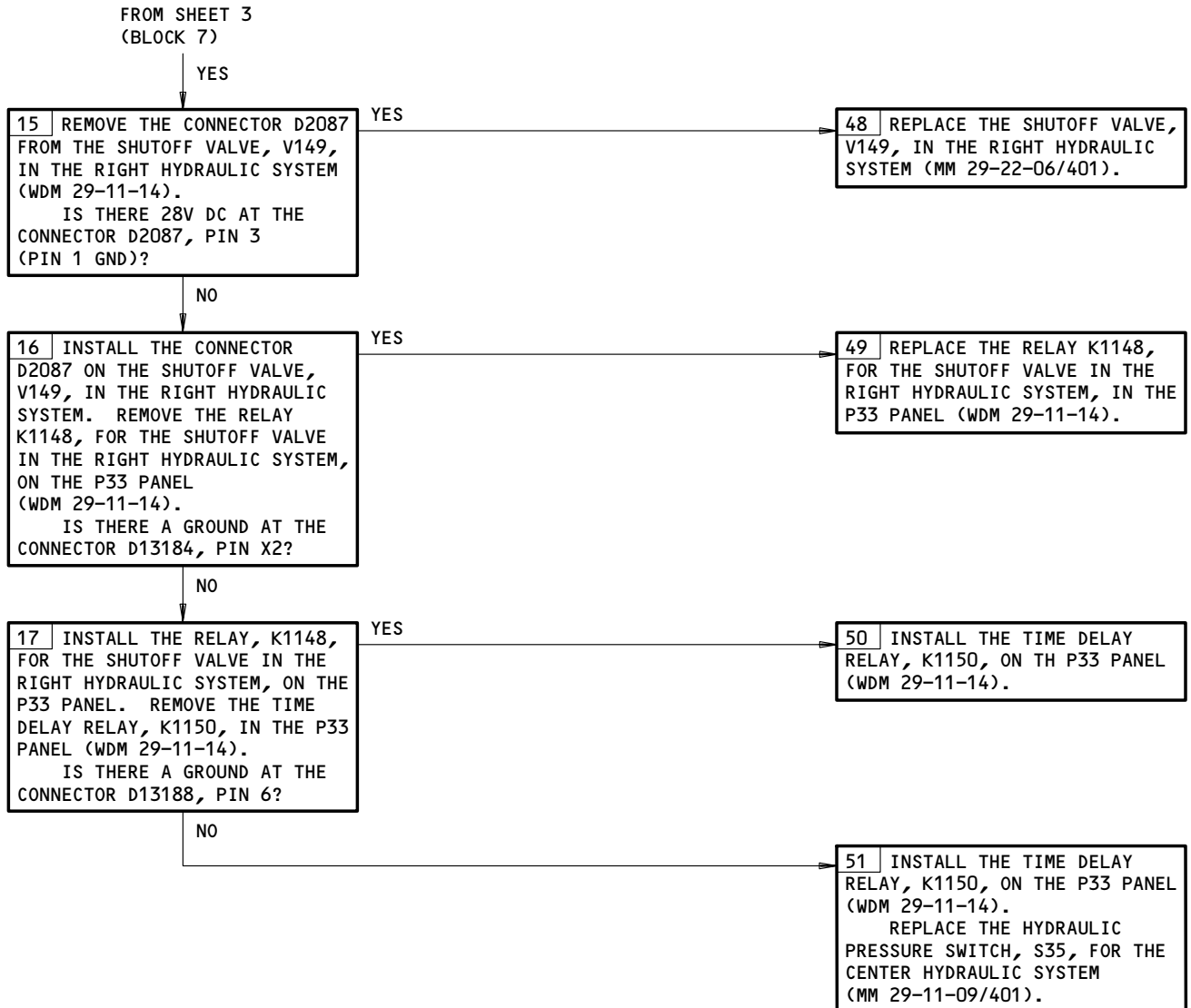
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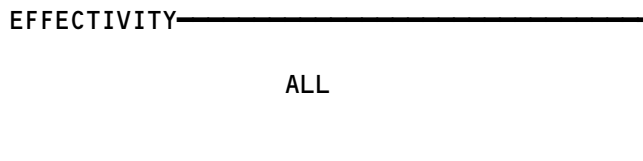
The Pitch Enhancement System (PES) Does Not Operate the Stabilizer Trim  
Figure 103 (Sheet 4)

EFFECTIVITY	ALL
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29-22-00



The Pitch Enhancement System (PES) Does Not Operate the Stabilizer Trim  
Figure 103 (Sheet 5)



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FAULT ISOLATION/MAINT MANUAL

HYDRAULIC PRESSURE INDICATING SYSTEM

COMPONENT	FIG. 102 SHT	QTY	ACCESS/AREA	AMM REFERENCE
CIRCUIT BREAKERS			FLT COMPT, P11	
HYDRAULIC SYSTEM PRESS C, C1082		1	11L18	*
HYDRAULIC SYSTEM PRESS L, C1080		1	11L17	*
HYDRAULIC SYSTEM PRESS R, C1081		1	11L26	*
DIODE - (FIM 31-01-36/101, FIG. 101) SYS C, R19				
DIODE - (FIM 31-01-37/101, FIG. 101) SYS L, R26,R159				
DIODE - (FIM 31-01-33/101, FIG. 101) SYS R, R27,R161				
LIGHT - SYS C ACMP C1 LOW PRESSURE INDICATOR	1	1	FLT COMPT, P5, HYD CONT PNL M10, SYS C ACMP C1 SELECT SWITCH/ LIGHT, YCYS2	*
LIGHT - SYS C ACMP C2 LOW PRESSURE INDICATOR	1	1	FLT COMPT, P5, HYD CONT PNL M10, SYS C ACMP C2 SELECT SWITCH/ LIGHT, YCYS3	*
LIGHT - SYS C ADP LOW PRESSURE INDICATOR, YCYL8	1	1	FLT COMPT, P5, HYD CONT PNL, M10	*
LIGHT - SYS C LOW PRESSURE INDICATOR, YCYL2	1	1	FLT COMPT, P5, HYD CONT PNL, M10	*
LIGHT - SYS L ACMP LOW PRESSURE INDICATOR, YCYL7	1	1	FLT COMPT, P5, HYD CONT PNL, M10	*
LIGHT - SYS L EDP LOW PRESSURE INDICATOR	1	1	FLT COMPT, P5, HYD CONT PNL, M10, SYS L EDP SELECT SWITCH/ LIGHT, YCYS1	*
LIGHT - SYS L LOW PRESSURE INDICATOR, YCYL1	1	1	FLT COMPT, P5, HYD CONT PNL, M10	*
LIGHT - SYS R ACMP LOW PRESSURE INDICATOR, YCYL9	1	1	FLT COMPT, P5, HYD CONT PNL, M10	*
LIGHT - SYS R EDP LOW PRESSURE INDICATOR	1	1	FLT COMPT, P5, HYD CONT PNL, M10, SYS R EDP SELECT SWITCH/ LIGHT, YCYS4	*
LIGHT - SYS R LOW PRESSURE INDICATOR, YCYL3	1	1	FLT COMPT, P5, HYD CONT PNL, M10	*

\* SEE THE WDM EQUIPMENT LIST

Hydraulic Pressure Indicating System - Component Index  
Figure 101 (Sheet 1)

EFFECTIVITY

ALL

29-31-00

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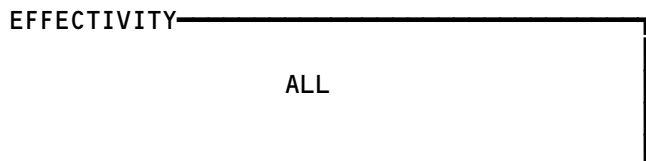
160389


**BOEING**  
 767  
 FAULT ISOLATION/MAINT MANUAL

COMPONENT	FIG. 102 SHT	QTY	ACCESS/AREA	REFERENCE
MODULES - (29-11-00/101) SYS C ACMP C1 PRESSURE/CASE DRAIN FILTER SYS C ACMP C2 PRESSURE/CASE DRAIN FILTER SYS C ADP PRESSURE/CASE DRAIN FILTER PANEL - (29-11-00/101) HYDRAULIC CONTROL, M10 RELAYS - (29-11-00/101) EDP L PRESS SENSE, K131 EDP R PRESS SENSE, K127 SYS L ACMP ON CONTROL, K130 SYS R ACMP ON CONTROL, K126 RELAY - (31-01-36/101) ADP ON, K443 SWITCHES - (29-11-00/101) SYS C ADP SELECT, YCYS6 SYS L ACMP CONTROL PRESSURE, S27 SYS L ACMP PRESSURE, S25 SYS L ACMP SELECT, YCYS5 SYS L EDP PRESSURE, S26 SWITCH - ADP PRESSURE, S28 SWITCH - SYS C ACMP C1 PRESSURE, S33 SWITCH - SYS C ACMP C2 PRESSURE, S34 SWITCH - SYS C HYDRAULIC PRESSURE, S35	3 4 4 4	1 1 1 1	LEFT WHEEL WELL, ADP PRESS/CASE DRAIN FILTER MODULE RIGHT WHEEL WELL, ACMP C1 PRESS/ CASE DRAIN FILTER MODULE RIGHT WHEEL WELL, ACMP C2 PRESS/ CASE DRAIN FILTER MODULE RIGHT WHEEL WELL	* * * 29-11-09

\* SEE THE WDM EQUIPMENT LIST

Component Index  
Figure 101 (Sheet 2)



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**BOEING**  
 767  
 FAULT ISOLATION/MAINT MANUAL

COMPONENT	FIG. 102 SHT	QTY	ACCESS/AREA	AMM REFERENCE
SWITCH - (FIM 29-11-00/101, FIG. 101)				
SYS R ACMP CONTROL PRESSURE, S32				
SYS R ACMP PRESSURE, S30				
SYS R ACMP SELECT, YCYS7				
SYS R EDP PRESSURE, S31				
SWITCH/LIGHT - (FIM 29-11-00/101, FIG. 101)				
SYS C ACMP C1 SELECT, YCYS2				
SYS C ACMP C2 SELECT, YCYS3				
SYS L EDP SELECT, YCYS1				
SYS R EDP SELECT, YCYS4				
TIME DELAY - (FIM 31-01-36/101, FIG. 101)				
SYS C ADP PRESSURE LIGHT, M919				
SYS C PRESSURE LIGHT, M922				
TIME DELAY - (FIM 31-01-37/101, FIG. 101)				
SYS L ACMP PRESSURE LIGHT, M925				
SYS L PRESSURE LIGHT, M921				
TIME DELAY - (FIM 31-01-33/101, FIG. 101)				
SYS R PRESSURE LIGHT, M920				
SYS R ACMP PRESSURE LIGHT, M924				
TRANSMITTER - SYS C HYDRAULIC PRESSURE, M342	4	1	RIGHT WHEEL WELL	29-31-01
TRANSMITTER - SYS L HYDRAULIC PRESSURE, M341	2	1	522HB, LEFT WING	29-31-01
TRANSMITTER - SYS R HYDRAULIC PRESSURE, M343	2	1	652HB, RIGHT WING	29-31-01

\* SEE THE WDM EQUIPMENT LIST

Hydraulic Pressure Indicating System - Component Index  
 Figure 101 (Sheet 3)

EFFECTIVITY

ALL

**29-31-00**

01

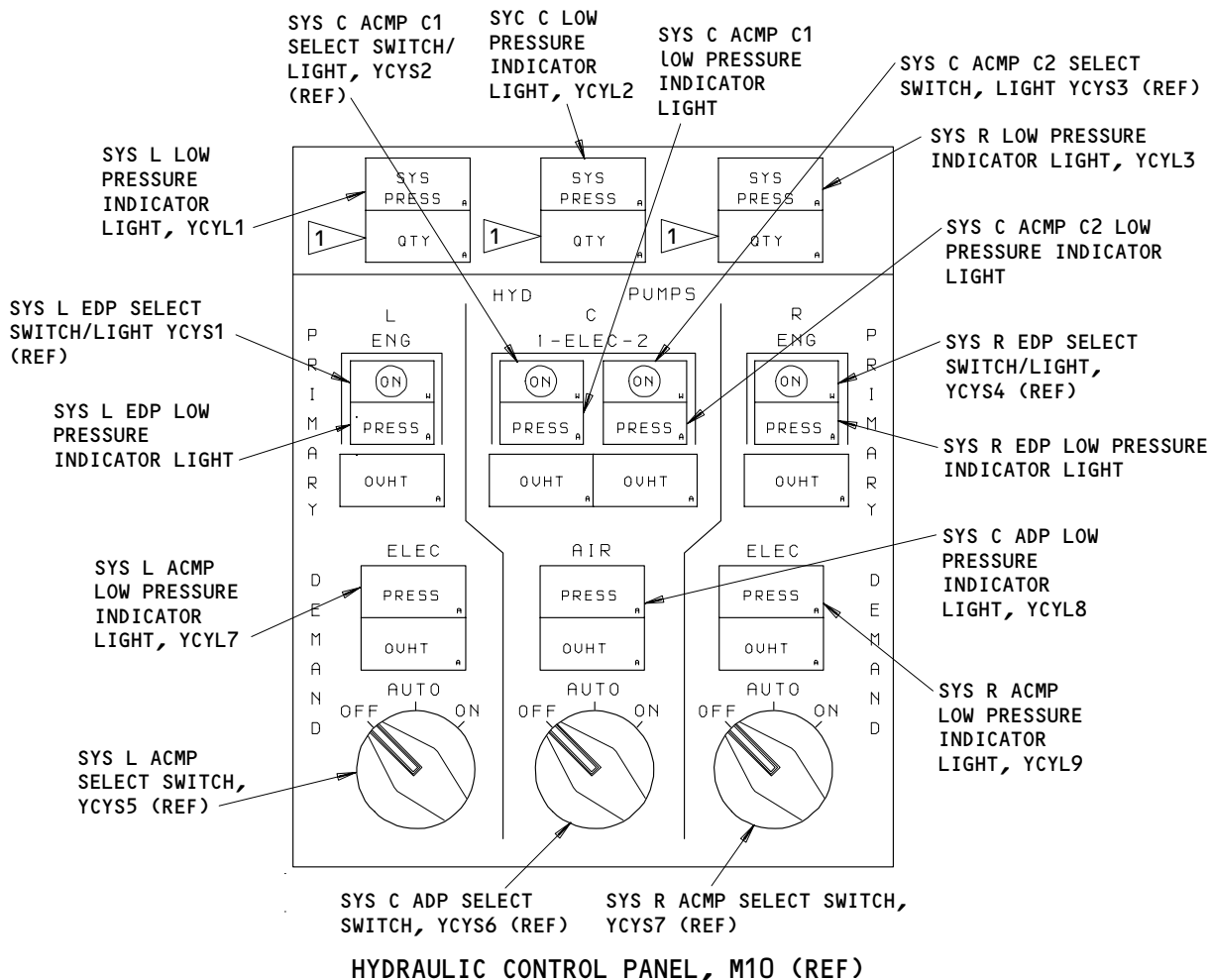
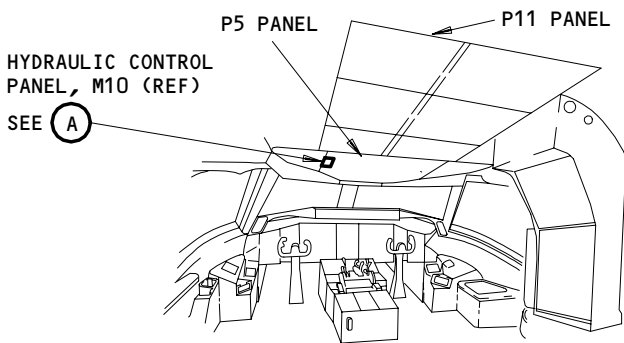
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94198

# BOEING

## 767

### FAULT ISOLATION/MAINT MANUAL



1 THE LABEL "RSVR" IS OPTIONAL TO "QTY"

A

Component Location  
Figure 102 (Sheet 1)

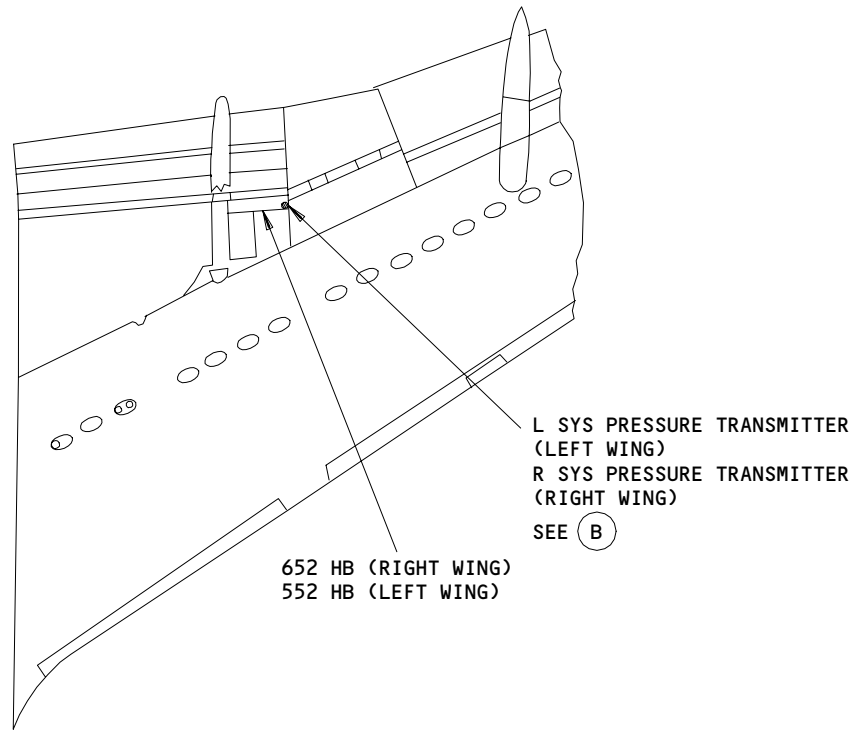
EFFECTIVITY

ALL

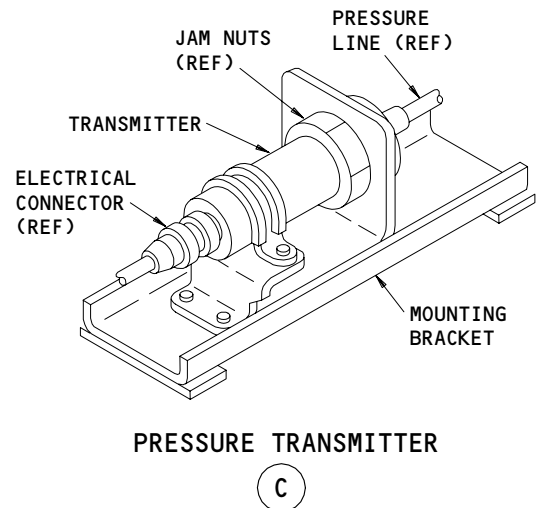
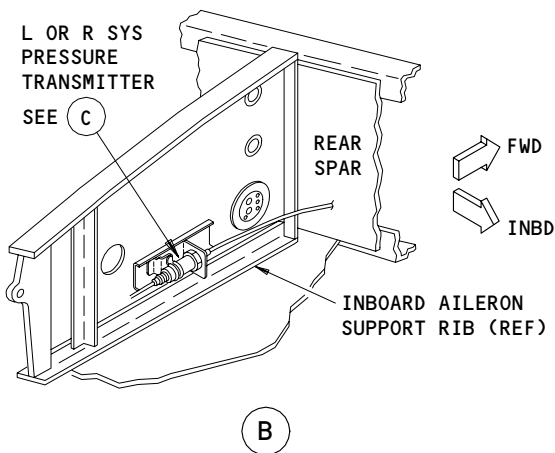
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WING BOTTOM VIEW

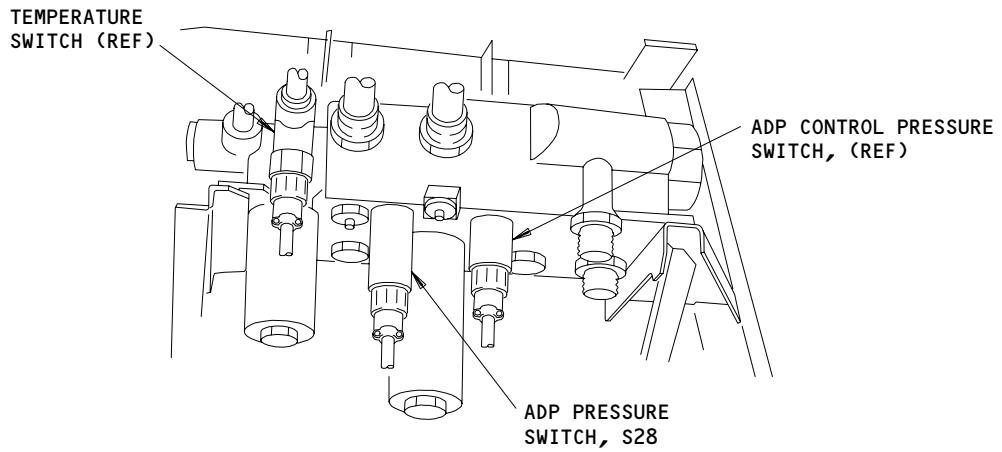
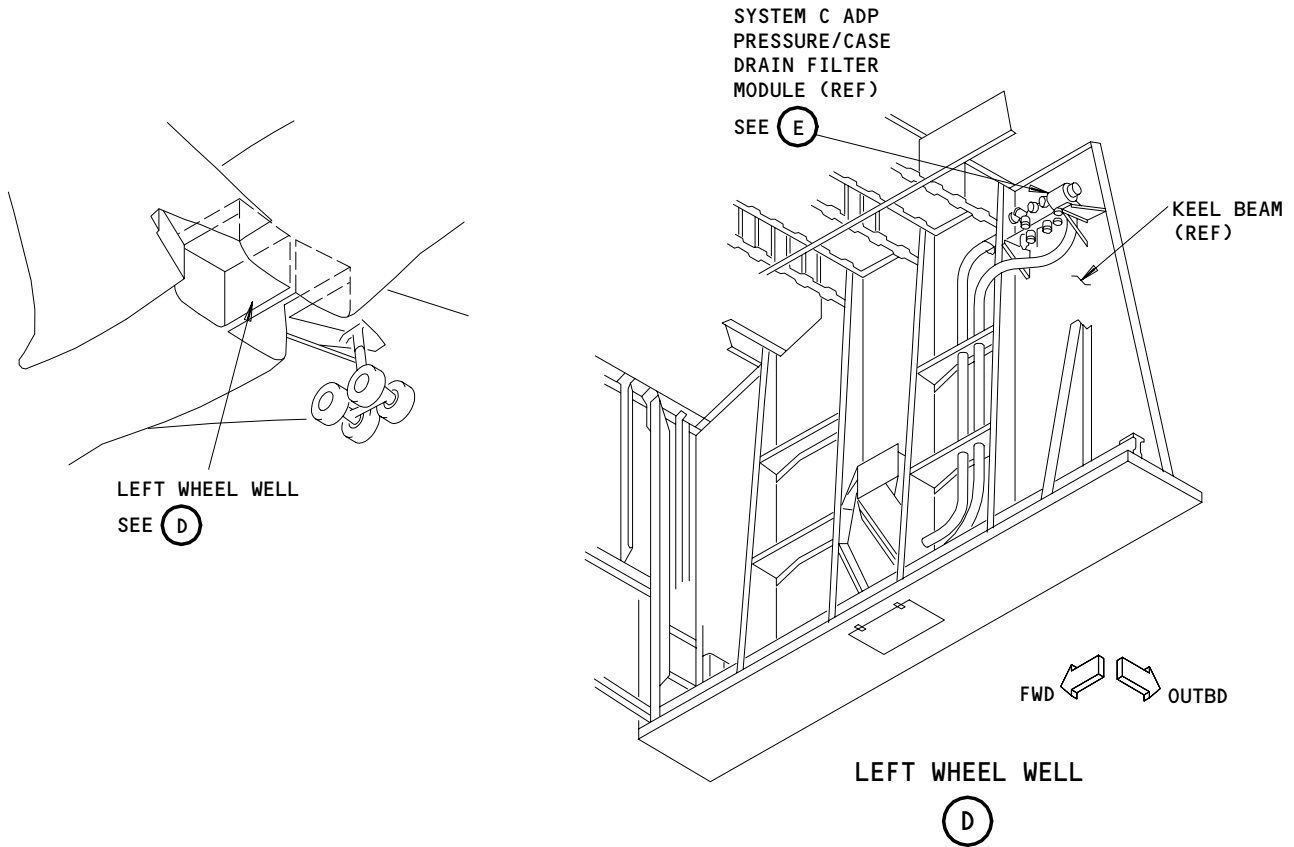


Component Location  
Figure 102 (Sheet 2)

EFFECTIVITY	ALL
-------------	-----

29-31-00

**BOEING**  
767  
FAULT ISOLATION/MAINT MANUAL



SYSTEM C ADP PRESSURE/CASE DRAIN FILTER MODULE (REF)

(E)

Component Location  
Figure 102 (Sheet 3)

EFFECTIVITY	
ALL	

29-31-00

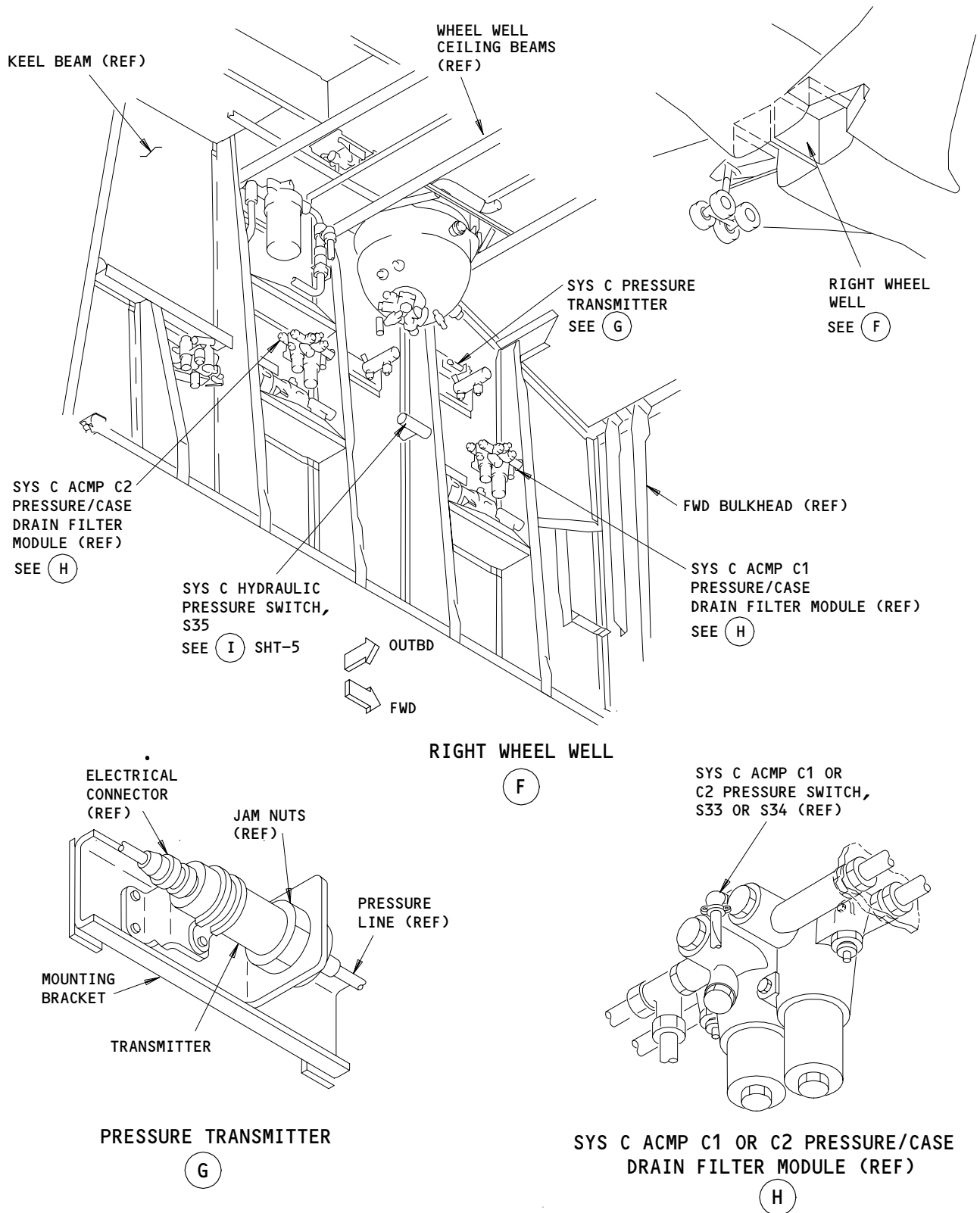
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# BOEING

## 767

### FAULT ISOLATION/MAINT MANUAL



Component Location  
Figure 102 (Sheet 4)

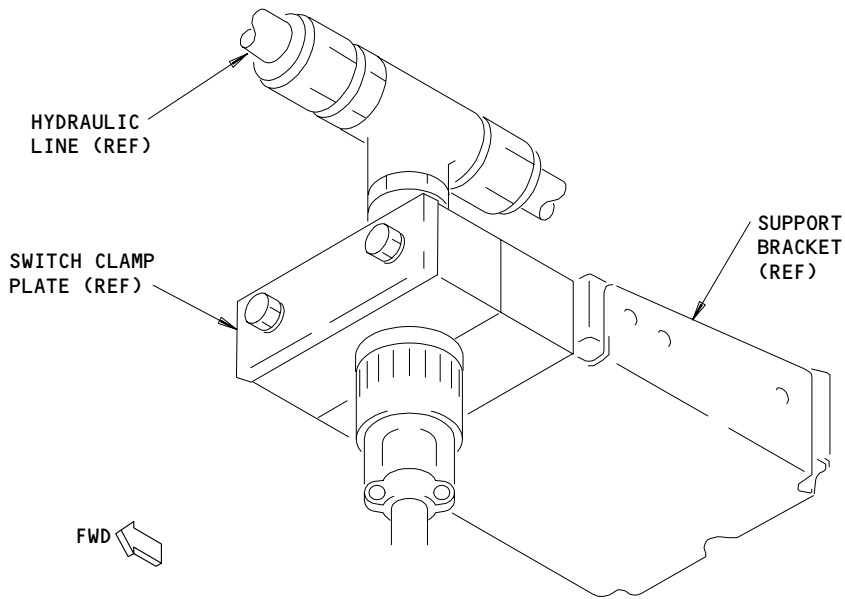
EFFECTIVITY	
ALL	

95137

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01

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SYS C HYDRAULIC PRESSURE SWITCH, S35

I  
 FROM SHT 4

Component Location  
Figure 102 (Sheet 5)

EFFECTIVITY	ALL
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01

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158257



767

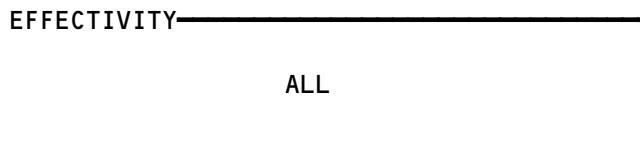
FAULT ISOLATION/MAINT MANUAL

HYDRAULIC FLUID TEMPERATURE INDICATING SYSTEM

COMPONENT	FIG. 102 SHT	QTY	ACCESS/AREA	REFERENCE
COMPUTER - EICAS L, M10181 (REF 31-41-00, FIG. 101)				
COMPUTER - EICAS R, M10182 (REF 31-41-00, FIG. 101)				
LIGHT - SYS C ACMP C1 OVERHEAT INDICATOR, YCYL5	1	1	FLT COMPT, P5, HYD CONT PNL, M10	*
LIGHT - SYS C ACMP C2 OVERHEAT INDICATOR, YCYL13	1	1	FLT COMPT, P5, HYD CONT PNL, M10	*
LIGHT - SYS C ADP OVERHEAT INDICATOR, YCYL15	1	1	FLT COMPT, P5, HYD CONT PNL, M10	*
LIGHT - SYS L ACMP OVERHEAT INDICATOR, YCYL14	1	1	FLT COMPT, P5, HYD CONT PNL, M10	*
LIGHT - SYS L EDP OVERHEAT INDICATOR, YCYL4	1	1	FLT COMPT, P5, HYD CONT PNL, M10	*
LIGHT - SYS R ACMP OVERHEAT INDICATOR, YCYL16	1	1	FLT COMPT, P5, HYD CONT PNL, M10	*
LIGHT - SYS R EDP OVERHEAT INDICATOR, YCYL6	1	1	FLT COMPT, P5, HYD CONT PNL, M10	*
MODULE - SYS C ADP PRESSURE/CASE DRAIN FILTER (REF 29-11-00, FIG. 101)				
MODULE - SYS L EDP PRESSURE/CASE DRAIN FILTER (REF 29-11-00, FIG. 101)				
MODULE - SYS R EDP PRESSURE/CASE DRAIN FILTER (REF 29-11-00, FIG. 101)				
PANEL - HYDRAULIC CONTROL, M10 (REF 29-11-00, FIG. 101)				
PUMP (ACMP) - SYS C ALTERNATING CURRENT MOTOR C1, M232 (REF 29-11-00, FIG. 101)				
PUMP (ACMP) - SYS C ALTERNATING CURRENT MOTOR C2, M233 (REF 29-11-00, FIG. 101)				
PUMP (ACMP) - SYS L ALTERNATING CURRENT MOTOR, M231 (REF 29-11-00, FIG. 101)				
PUMP (ACMP) - SYS R ALTERNATING CURRENT MOTOR, M234 (REF 29-11-00, FIG. 101)				

\* SEE WM EQUIPMENT LIST

Component Index  
Figure 101 (Sheet 1)



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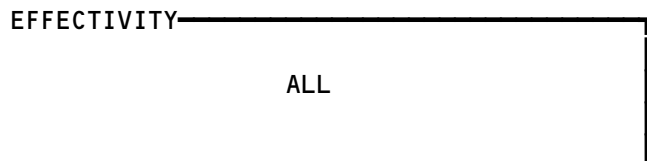
35148


**BOEING**  
 767  
 FAULT ISOLATION/MAINT MANUAL

COMPONENT	FIG. 102 SHT	QTY	ACCESS/AREA	REFERENCE
RESERVOIR - SYS C HYDRAULIC (REF 29-11-00, FIG. 101)				
RESERVOIR - SYS L HYDRAULIC (REF 29-11-00, FIG. 101)				
RESERVOIR - SYS R HYDRAULIC (REF 29-11-00, FIG. 101)				
SWITCH - SYS C ACMP C1 TEMPERATURE		1	RIGHT WHEEL WELL, SYS C ACMP C1, M232	*
SWITCH - SYS C ACMP C2 TEMPERATURE		1	RIGHT WHEEL WELL, SYS C ACMP C2, M233	*
SWITCH - SYS C ADP FILTER MODULE TEMPERATURE, S317	3	1	LEFT WHEEL WELL, ADP PRESS/CASE DRAIN FILTER MODULE	29-32-03
SWITCH - SYS L ACMP TEMPERATURE		1	437BL,437BR, LEFT ENGINE STRUT, SYS L ACMP, M231	*
SWITCH - SYS L EDP FILTER MODULE TEMPERATURE, S316	2	1	437BL,437BR, LEFT ENGINE STRUT, SYS L EDP PRESS/CASE DRAIN FILTER MODULE	29-32-03
SWITCH - SYS R ACMP TEMPERATURE		1	447BL,447BR, RIGHT ENGINE STRUT, SYS R ACMP, M234	*
SWITCH - SYS R EDP FILTER MODULE TEMPERATURE, S315	2	1	447BL,447BR, RIGHT ENGINE STRUT, SYS R EDP PRESS/CASE DRAIN FILTER MODULE	29-32-03
TRANSMITTER - SYS C FLUID TEMPERATURE, M345	4	1	RIGHT WHEEL WELL, SYS C HYDRAULIC RESERVOIR	29-32-01
TRANSMITTER - SYS L FLUID TEMPERATURE, M344	2	1	437BL,437BR, LEFT ENGINE STRUT, SYS L HYDRAULIC RESERVOIR	29-32-01
TRANSMITTER - SYS R FLUID TEMPERATURE, M346	2	1	447BL,447BR, RIGHT ENGINE STRUT, SYS R HYDRAULIC RESERVOIR	29-32-01
UNIT - EICAS LOWER DISPLAY (REF 31-41-00, FIG. 101)				

\* SEE WM EQUIPMENT LIST

Component Index  
Figure 101 (Sheet 2)



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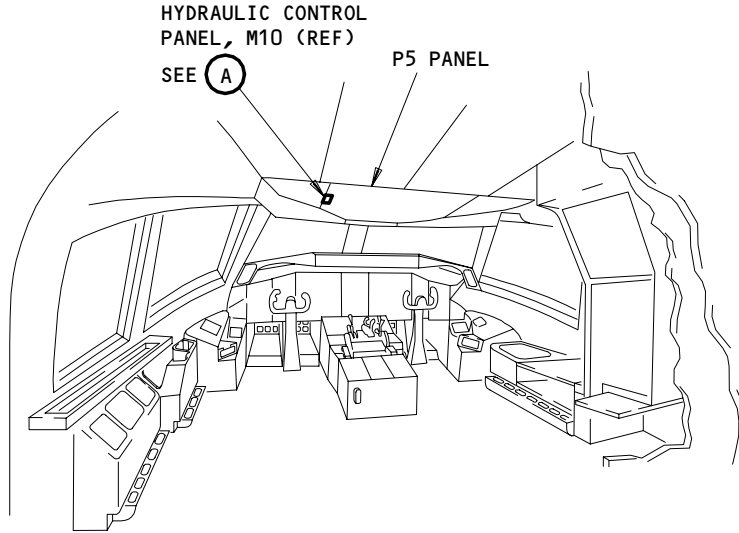
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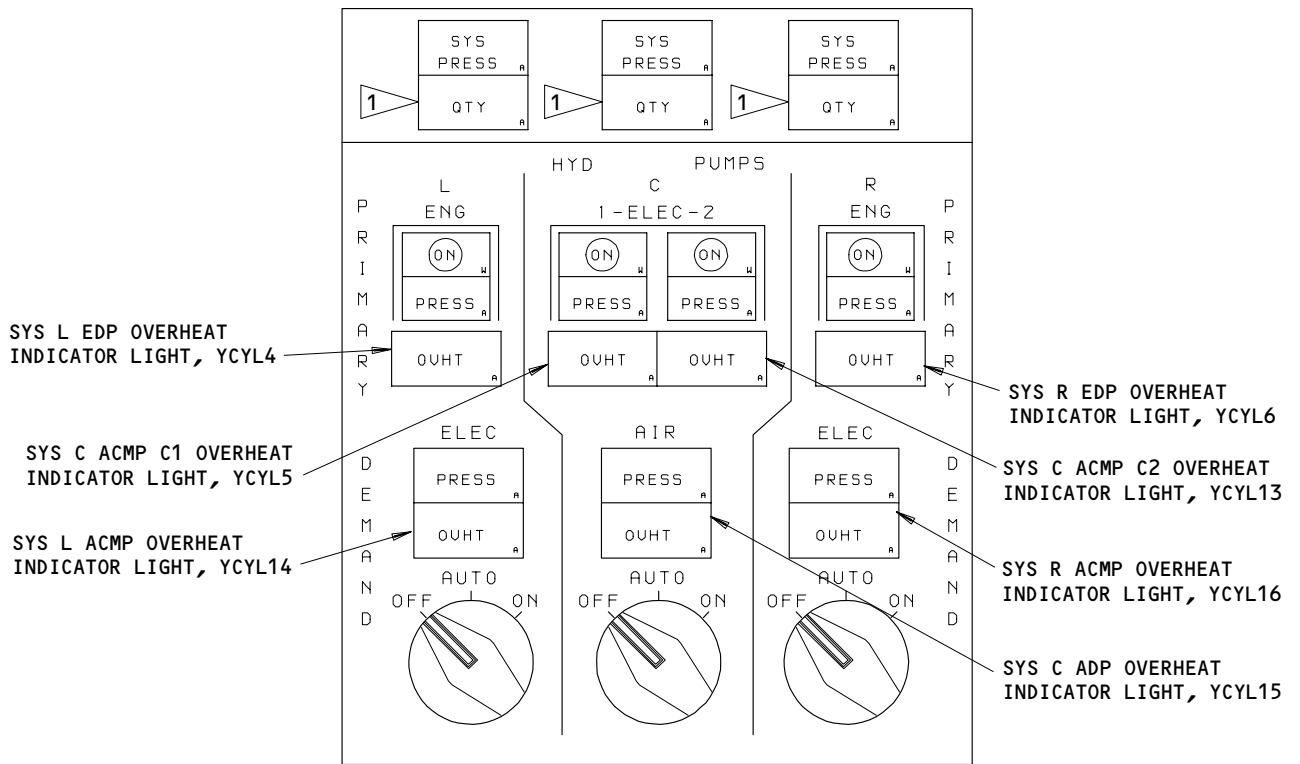
# BOEING

## 767

### FAULT ISOLATION/MAINT MANUAL



**FLIGHT COMPARTMENT**



**HYDRAULIC CONTROL PANEL, M10 (REF)**

(A)

1 THE LABEL "RSVR" IS OPTIONAL TO "QTY"

Component Location  
Figure 102 (Sheet 1)

EFFECTIVITY

ALL

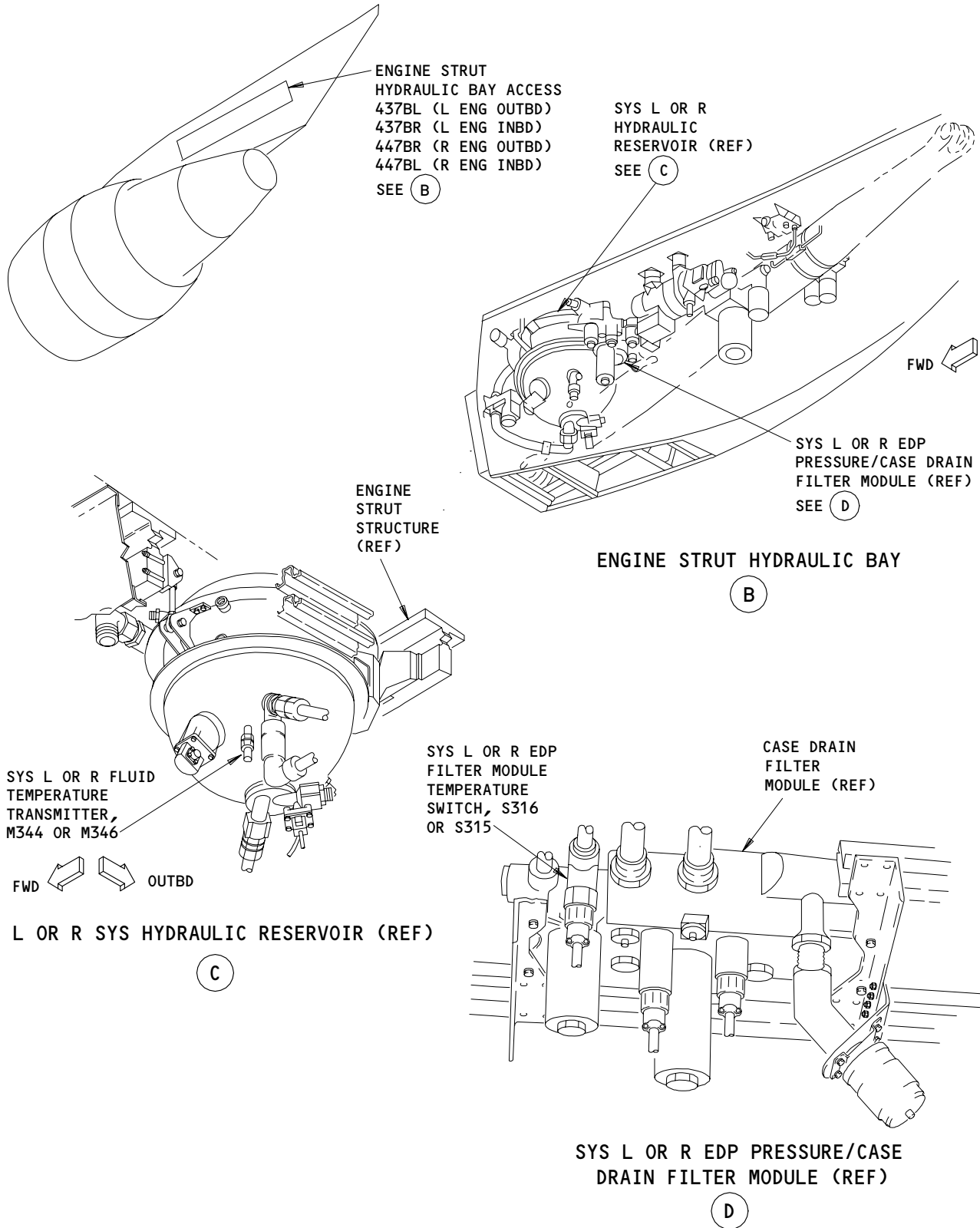
29-32-00

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FAULT ISOLATION/MAINT MANUAL



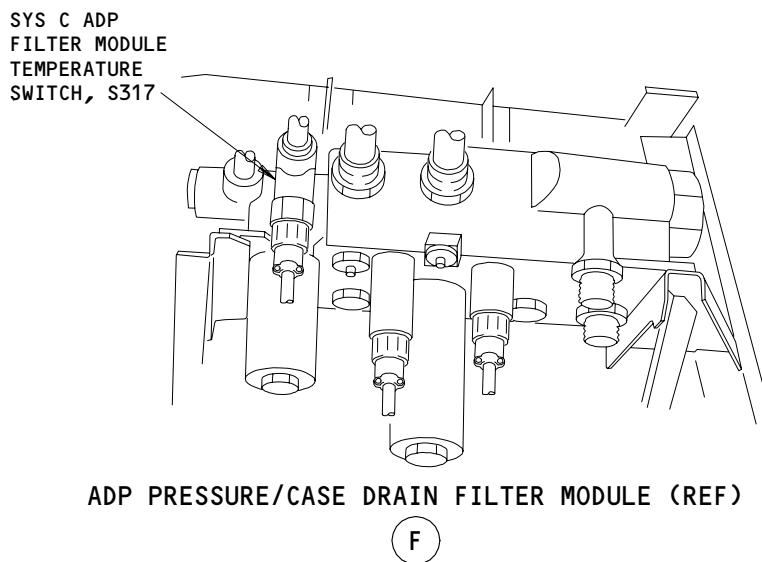
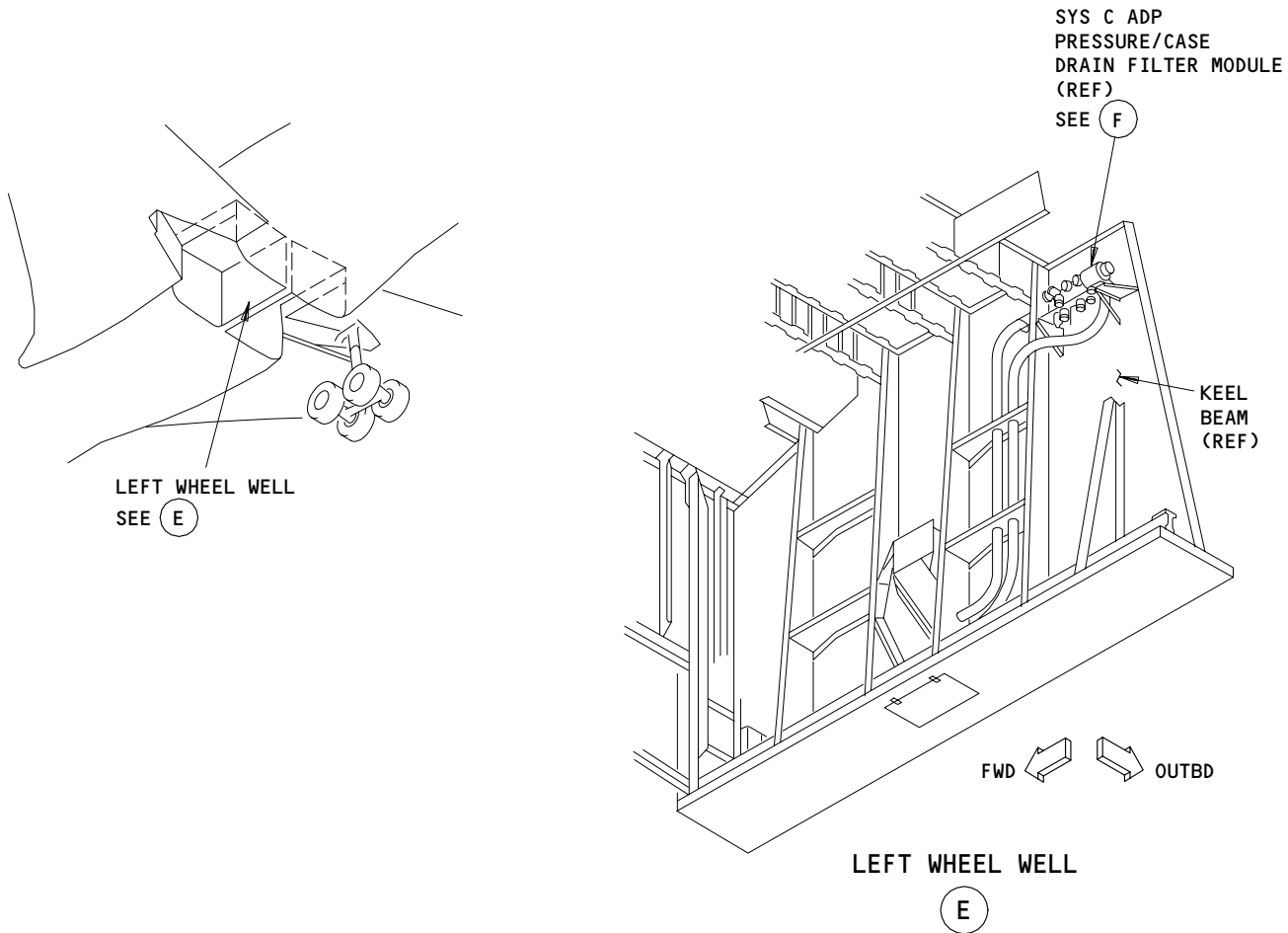
Component Location  
Figure 102 (Sheet 2)

EFFECTIVITY	
	ALL

29-32-00

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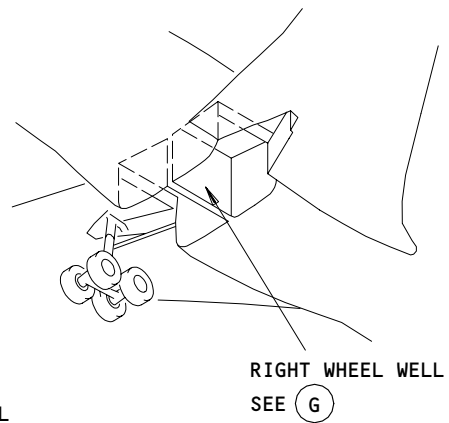
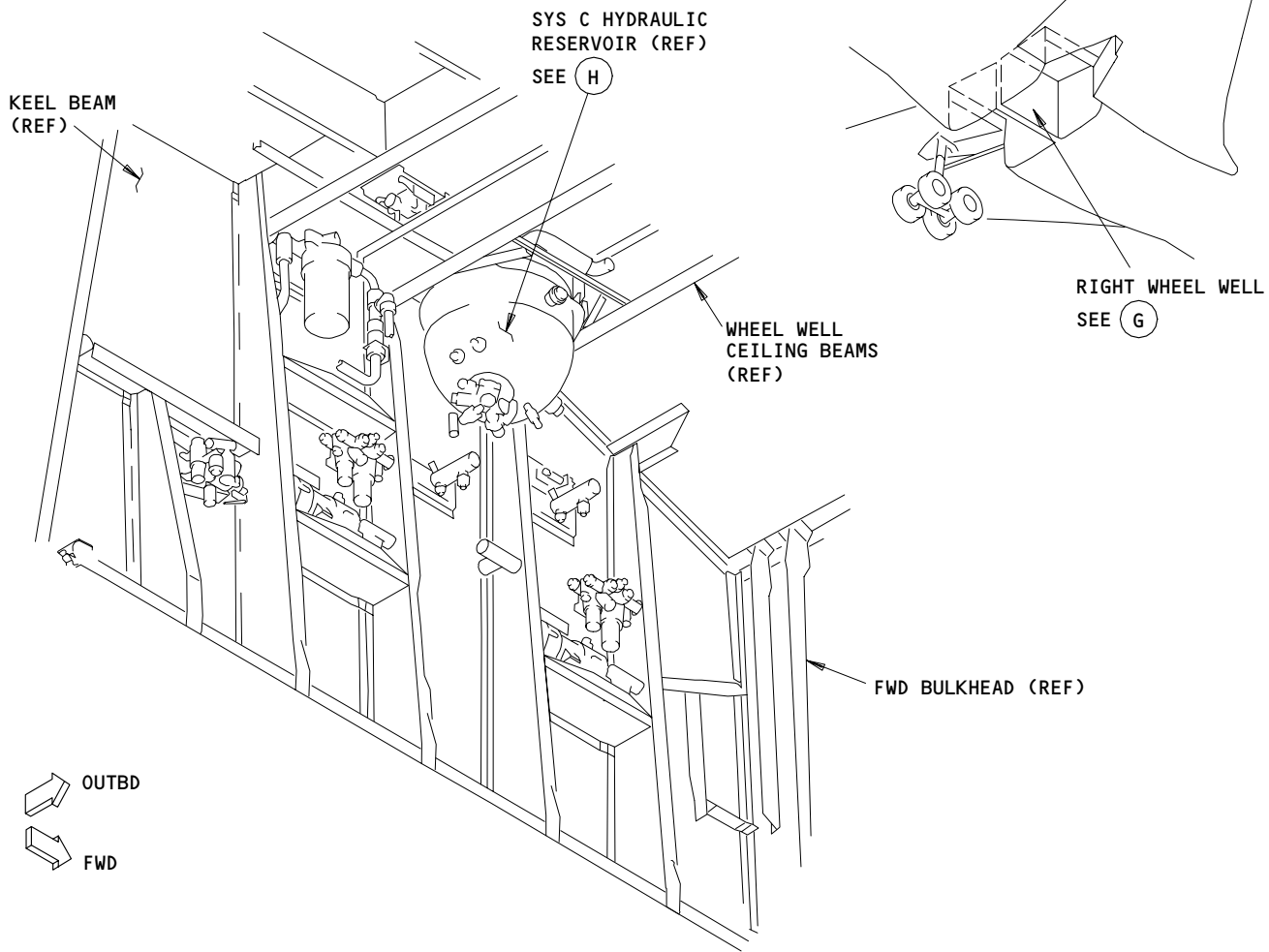
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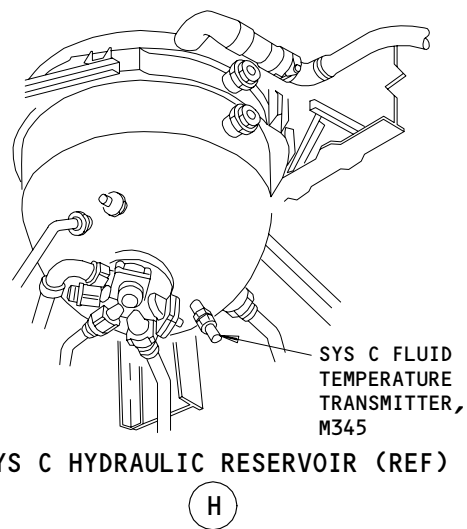
Component Location  
Figure 102 (Sheet 3)

EFFECTIVITY	ALL
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29-32-00



RIGHT WHEEL WELL  
(G)



Component Location  
Figure 102 (Sheet 4)

EFFECTIVITY	ALL
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EFFECTIVITY

ALL

**29-32-00**

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FAULT ISOLATION/MAINT MANUAL

HYDRAULIC FLUID QUANTITY INDICATING SYSTEM

COMPONENT	FIG. 102 SHT	QTY	ACCESS/AREA	REFERENCE
CIRCUIT BREAKER HYDRAULIC QTY, C1101		1	FLT COMPT, P11	*
COMPUTER - EICAS L, M10181 (REF 31-41-00, FIG. 101)		1	11L20	
COMPUTER - EICAS R, M10182 (REF 31-41-000, FIG. 101)				
INDICATOR - RESERVOIR FILL, N29 (REF 29-18-00, FIG. 101)				
LIGHT - SYS C LOW QUANTITY INDICATOR, YCYL11	1	1	FLT COMPT, P5, HYD CONT PNL, M10	*
LIGHT - SYS L LOW QUANTITY INDICATOR, YCYL10	1	1	FLT COMPT, P5, HYD CONT PNL, M10	*
LIGHT - SYS R LOW QUANTITY INDICATOR, YCYL12	1	1	FLT COMPT, P5, HYD CONT PNL, M10	*
PANEL - HYDRAULIC CONTROL M10 (REF 29-11-00, FIG. 101)				
RESERVOIR - SYS C HYDRAULIC (REF 29-11-00, FIG. 101)				
RESERVOIR - SYS L HYDRAULIC (REF 29-11-00, FIG. 101)				
RESERVOIR - SYS R HYDRAULIC (REF 29-11-00, FIG. 101)				
SIGHT GLASS - SYS C LOW LEVEL	3	1	RIGHT WHEEL WELL, SYS C HYDRAULIC RESERVOIR	29-33-00
SIGHT GLASS - SYS C OVERFILL	3	1	RIGHT WHEEL WELL, SYS C HYDRAULIC RESERVOIR	29-33-00
SIGHT GLASS - SYS L LOW LEVEL	2	1	437BL,437BR, LEFT ENGINE STRUT, SYS L HYDRAULIC RESERVOIR	29-33-00
SIGHT GLASS - SYS L OVERFILL	2	1	437BL,437BR, LEFT ENGINE STRUT, SYS L HYDRAULIC RESERVOIR	29-33-00
SIGHT GLASS - SYS R LOW LEVEL	2	1	447BL,447BR, RIGHT ENGINE STRUT, SYS R HYDRAULIC RESERVOIR	29-33-00
SIGHT GLASS - SYS R OVERFILL	2	1	447BL,447BR, RIGHT ENGINE STRUT, SYS R HYDRAULIC RESERVOIR	29-33-00
SWITCH - REMOTE HYDRAULIC QUANTITY SELECT, S341 (REF 29-18-00, FIG. 101)				
TRANSMITTER - SYS C HYDRAULIC FLUID QUANTITY, M339	3	1	RIGHT WHEEL WELL, SYS C HYDRAULIC RESERVOIR	29-33-02
TRANSMITTER - SYS L HYDRAULIC FLUID QUANTITY, M338	2	1	437BL,437BR, LEFT ENGINE STRUT, SYS L HYDRAULIC RESERVOIR	29-33-02
TRANSMITTER - SYS R HYDRAULIC FLUID QUANTITY, M340	2	1	447BL,447BR, RIGHT ENGINE STRUT, SYS R HYDRAULIC RESERVOIR	29-33-02
UNIT - EICAS LOWER DISPLAY N10014 (REF 31-41-00, FIG. 101)				
UNIT - HYDRAULIC FLUID QUANTITY MONITOR, M122	4	1	119AL, MAIN EQUIP CTR, E2-4	29-33-01

\* SEE WM EQUIPMENT LIST

Component Index  
Figure 101

EFFECTIVITY

ALL

29-33-00

01

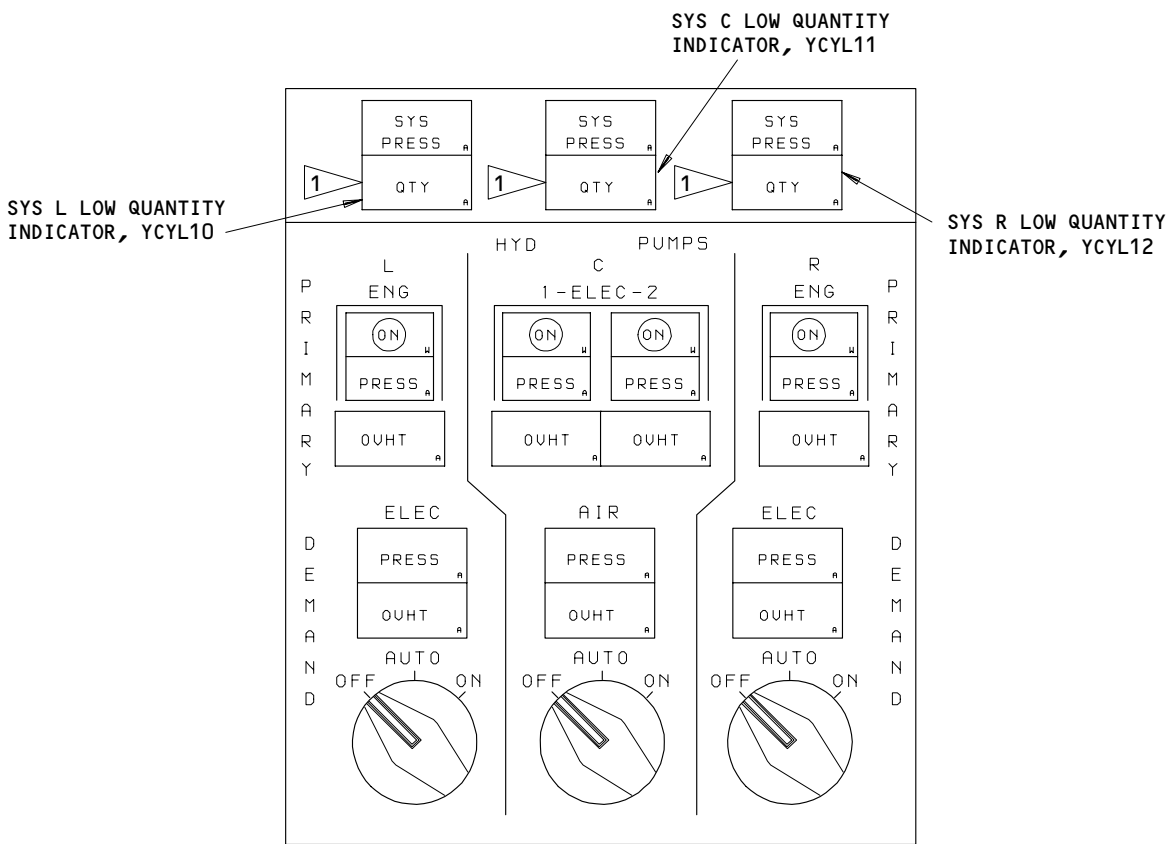
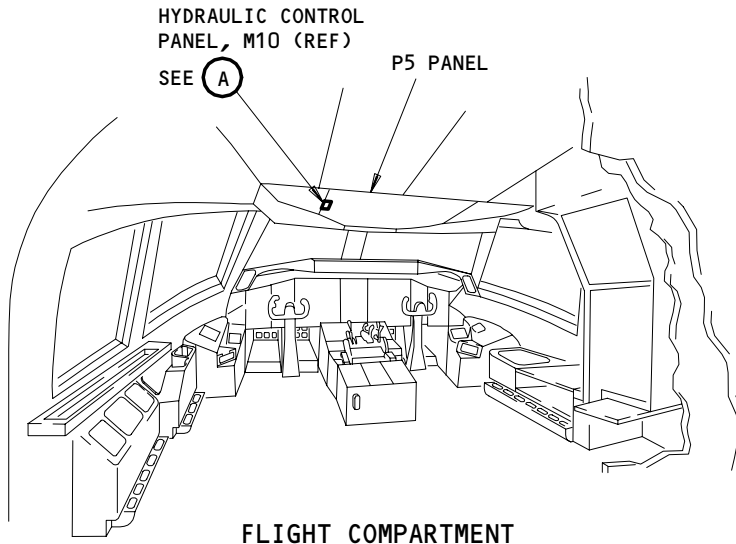
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# BOEING

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### FAULT ISOLATION/MAINT MANUAL



HYDRAULIC CONTROL PANEL, M10 (REF)

(A)

1 THE LABEL "RSVR" IS OPTIONAL TO "QTY"

Component Location  
Figure 102 (Sheet 1)

EFFECTIVITY

ALL

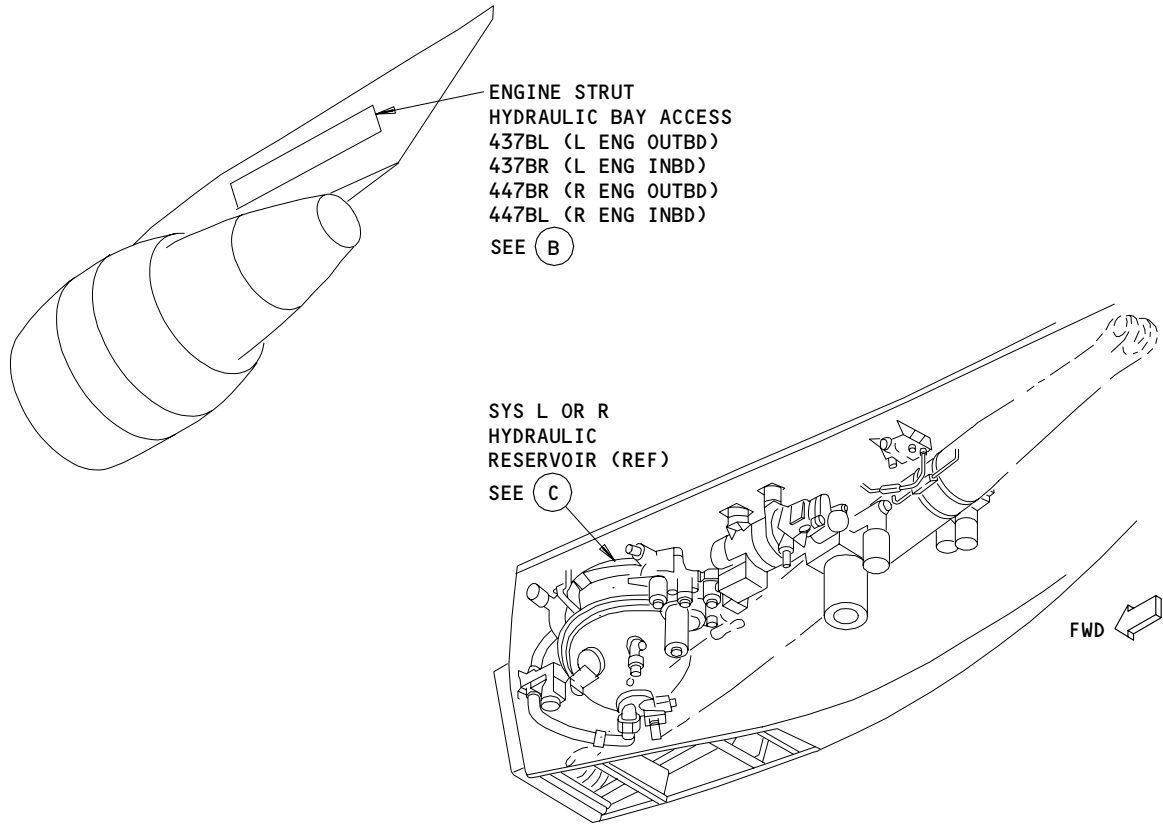
29-33-00

05

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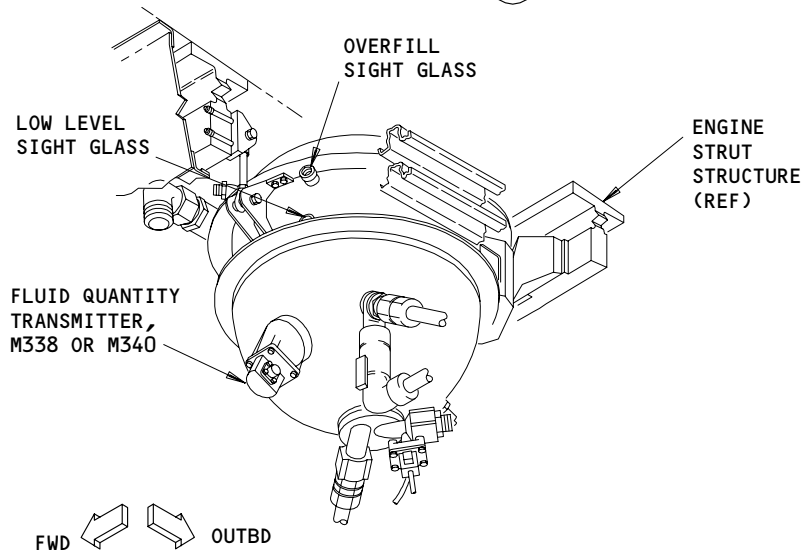
A31042

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 FAULT ISOLATION/MAINT MANUAL



ENGINE STRUT HYDRAULIC BAY

(B)



L OR R SYS HYDRAULIC RESERVOIR (REF)

(C)

Component Location  
 Figure 102 (Sheet 2)

EFFECTIVITY	
	ALL

29-33-00

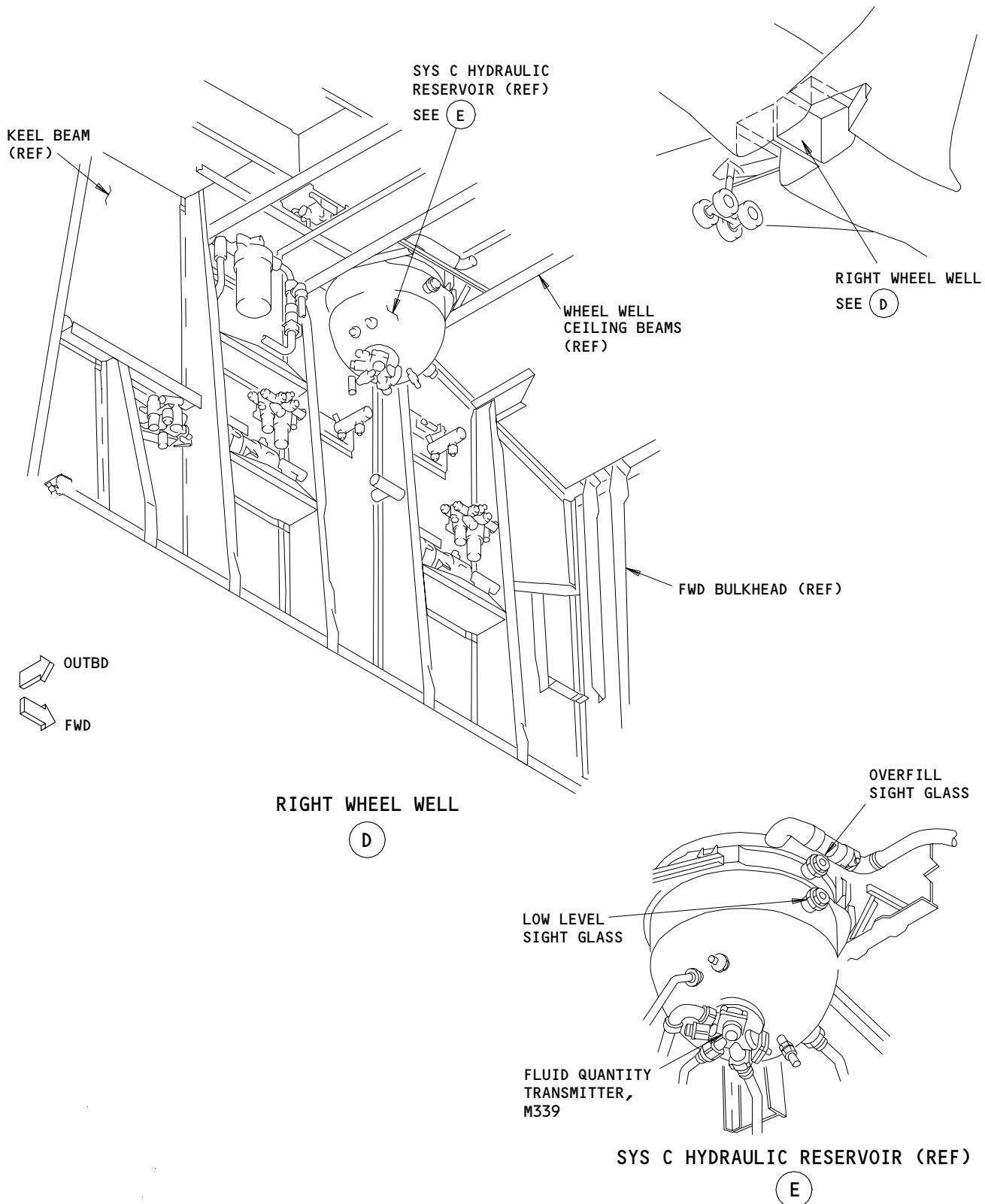
01

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FAULT ISOLATION/MAINT MANUAL

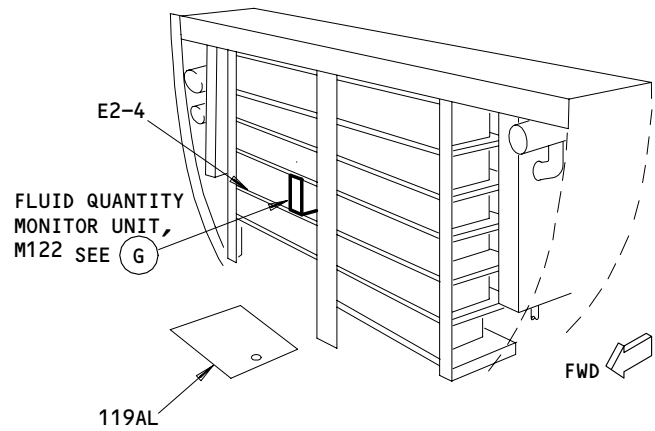
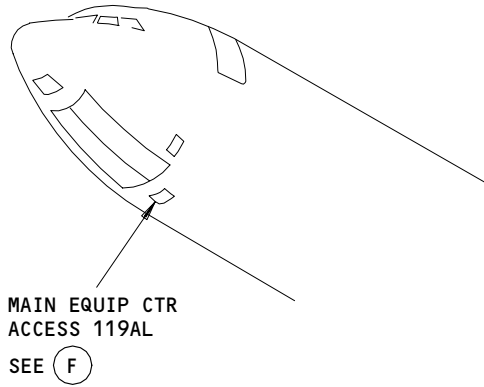


Component Location  
Figure 102 (Sheet 3)

EFFECTIVITY	ALL
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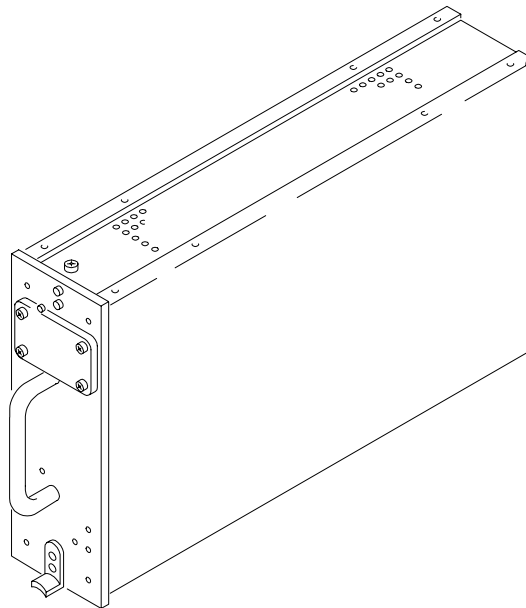
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FAULT ISOLATION/MAINT MANUAL



MAIN EQUIP CTR

(F)



HYDRAULIC FLUID QUANTITY  
MONITOR UNIT, M122

(G)

Component Location  
Figure 102 (Sheet 4)

EFFECTIVITY	ALL
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01

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