

CHAPTER

23

COMMUNICATIONS



CHAPTER 23
COMMUNICATIONS

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A = Added, R = Revised, D = Deleted, O = Overflow

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A = Added, R = Revised, D = Deleted, O = Overflow

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<u>VHF COMMUNICATION SYSTEM</u>						
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<u>SELCAL SYSTEM</u>						
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<u>PASSENGER ENTERTAINMENT (VIDEO)</u>						
VIDEO SYSTEM	23-32-01		101	1	Jan 21/2005	001-099
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<u>PASSENGER ENTERTAINMENT (MUSIC)</u>						
PASSENGER ENTERTAINMENT	23-34-01		101		Jan 21/2005	001-099
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<u>SERVICE INTERPHONE SYSTEM</u>						
SERVICE INTERPHONE	23-41-01		101		Jan 21/2005	001-099
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<u>CABIN INTERPHONE SYSTEM</u>						
CABIN INTERPHONE	23-42-01		101		Jan 21/2005	001-099
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<u>GROUND CREW CALL SYSTEM</u>						
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<u>FLIGHT INTERPHONE SYSTEM</u>						
FLIGHT INTERPHONE SYSTEM	23-51-01		101	1	Jan 21/2005	001-008 010-099
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<u>VOICE RECORDER SYSTEM</u>						
VOICE RECORDER	23-71-01		101		Jan 21/2005	001
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			103		Jan 21/2005	009
			104		Jan 21/2005	010-099
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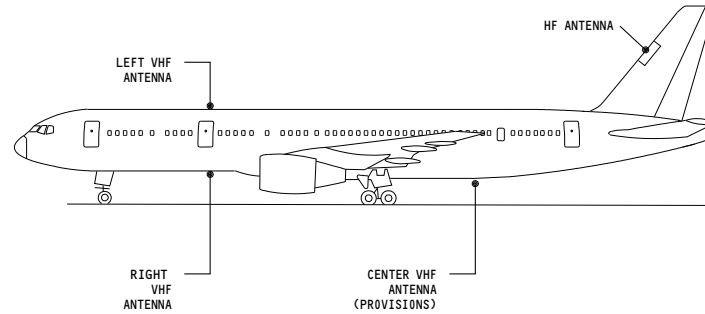
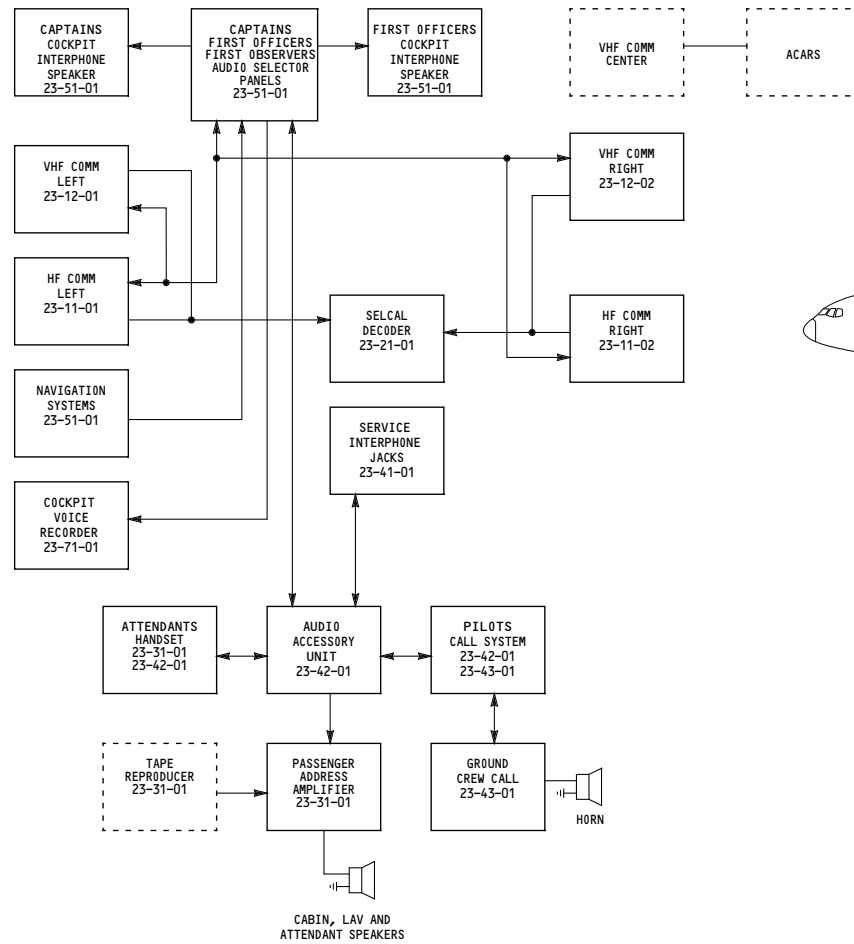
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23-42-01	CABIN INTERPHONE
23-12-03	CENTER VHF COMMUNICATIONS
23-00-01	COMMUNICATIONS
23-51-01	FLIGHT INTERPHONE SYSTEM
23-43-01	GROUND CREW CALL
23-11-01	LEFT HF COMMUNICATIONS
23-12-01	LEFT VHF COMMUNICATIONS
23-31-01	PASSENGER ADDRESS SYSTEM
23-34-01	PASSENGER ENTERTAINMENT
23-11-02	RIGHT HF COMMUNICATIONS
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23-21-01	SELCAL
23-41-01	SERVICE INTERPHONE
23-32-01	VIDEO SYSTEM
23-71-01	VOICE RECORDER

CH-SC-SU	Title
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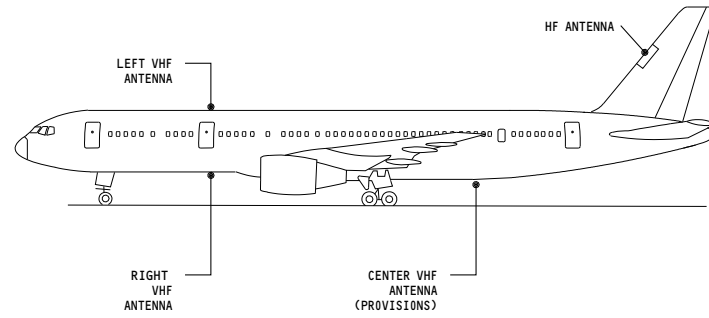
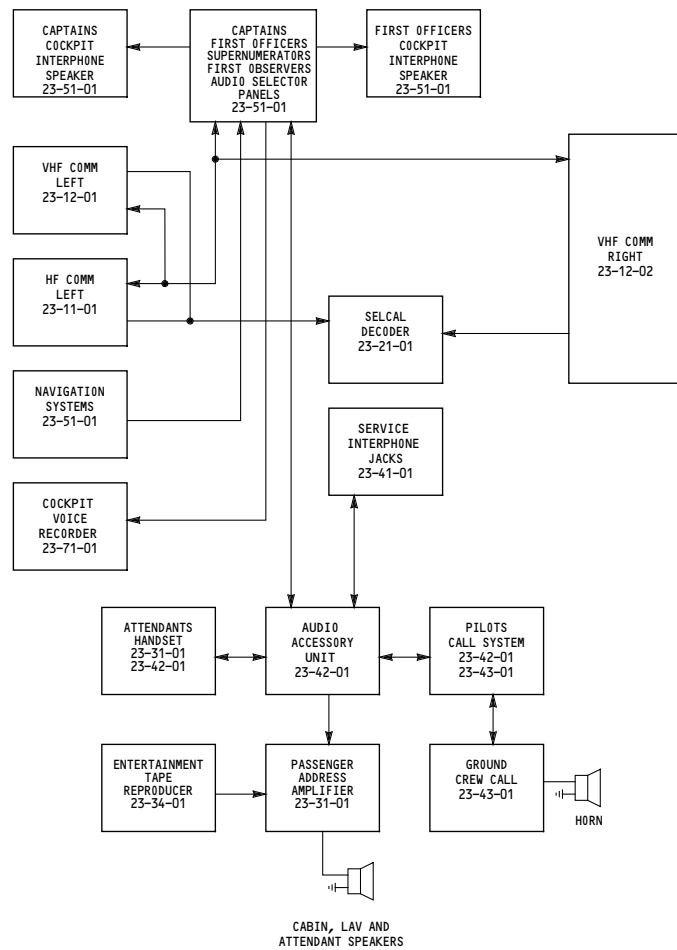
001-099	<p align="center">COMMUNICATIONS</p> <p align="center">D280N032S</p>
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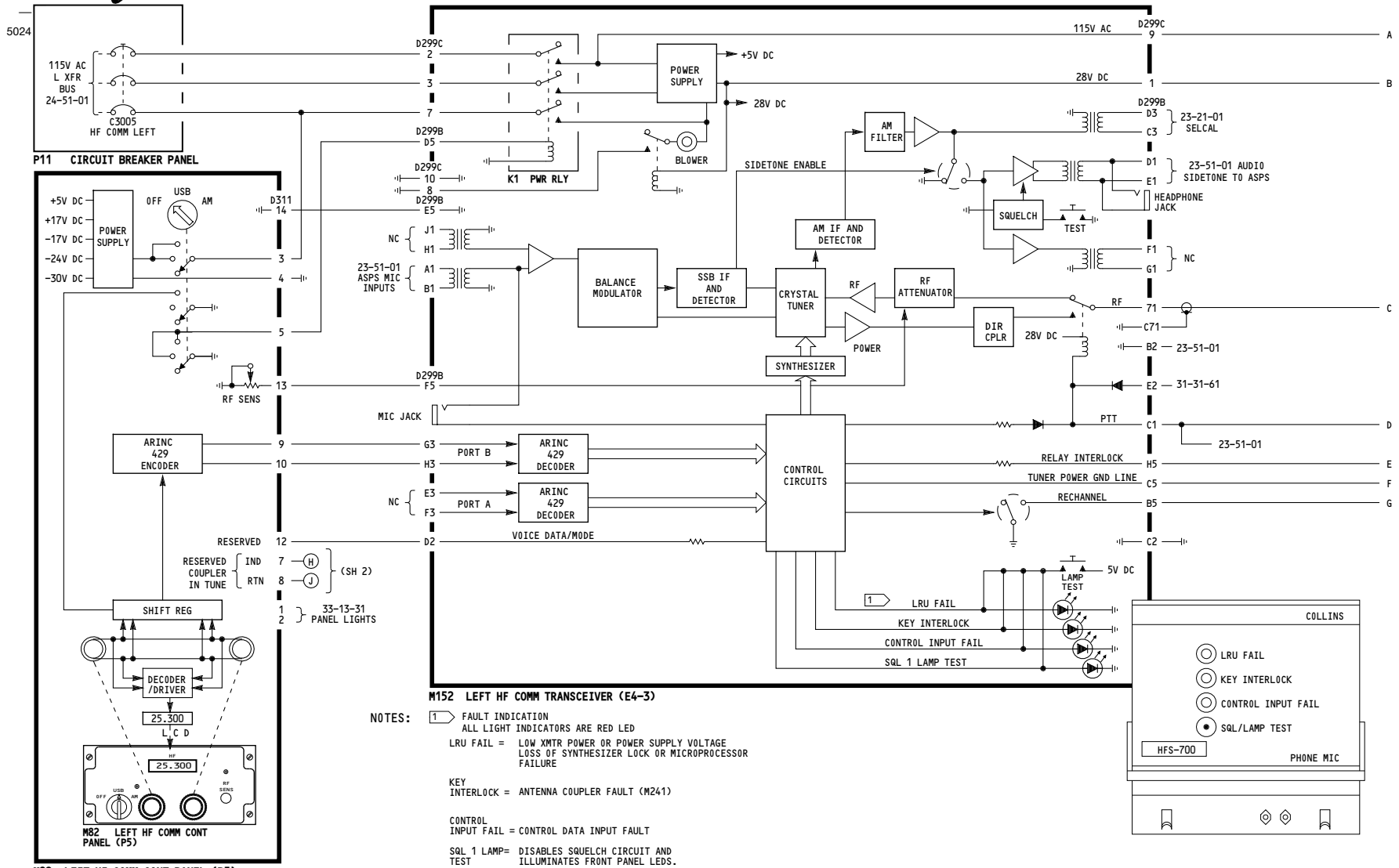
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	D280N032S

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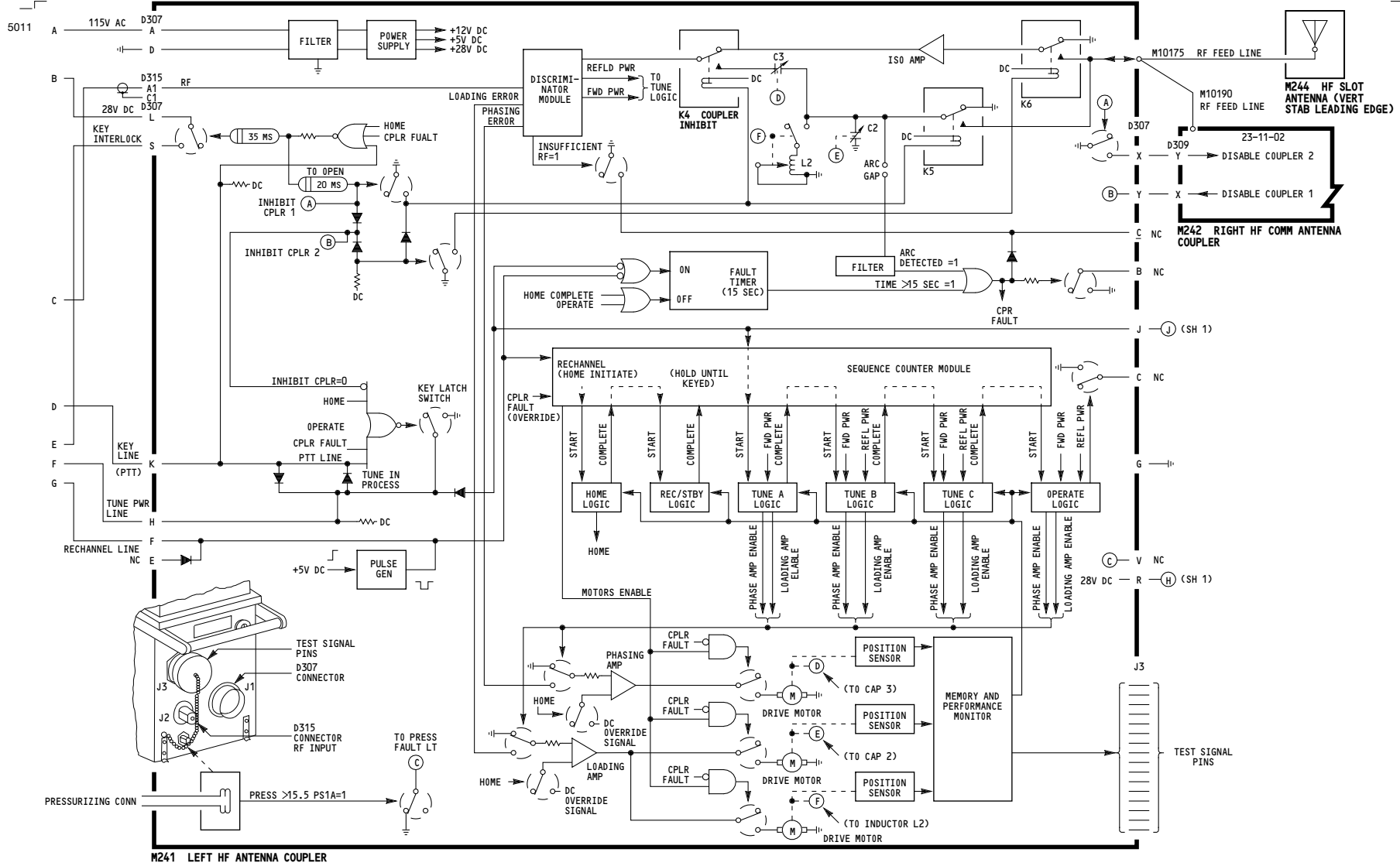


001

LEFT HF COMMUNICATIONS

D280N032S

23-11-01



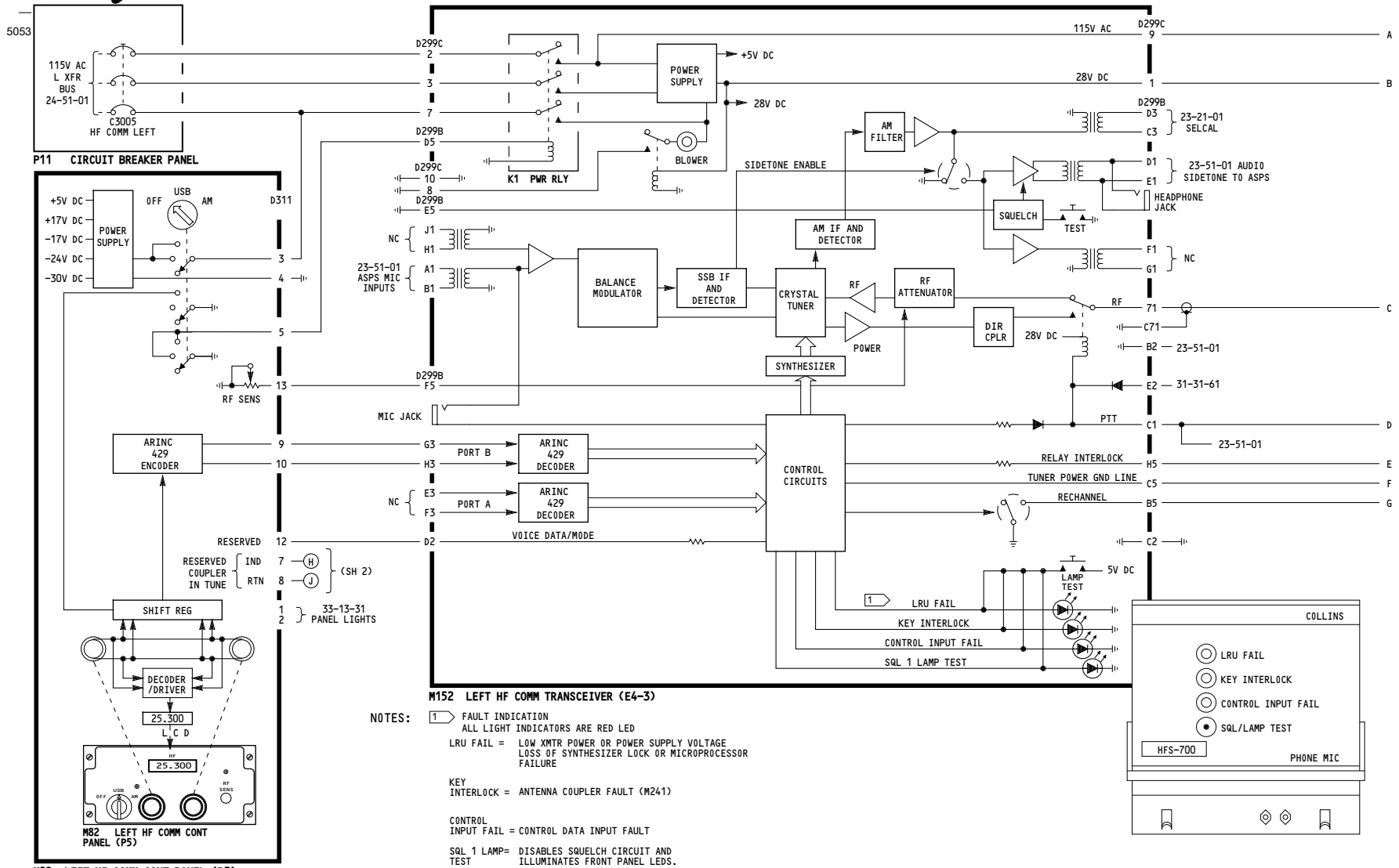
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LEFT HF COMMUNICATIONS

D280N032S

23-11-01

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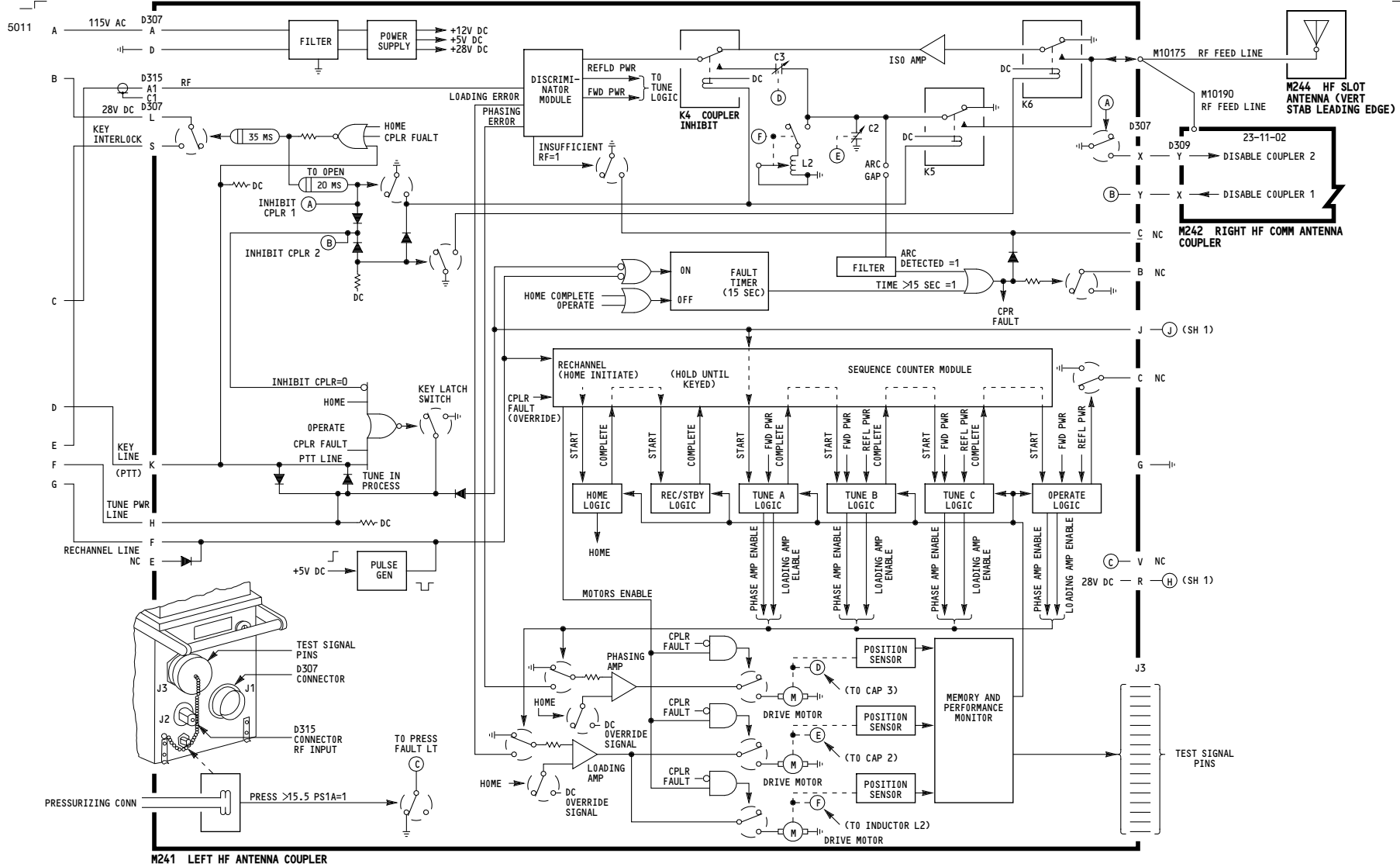


002-099

LEFT HF COMMUNICATIONS

D280N032S

23-11-01

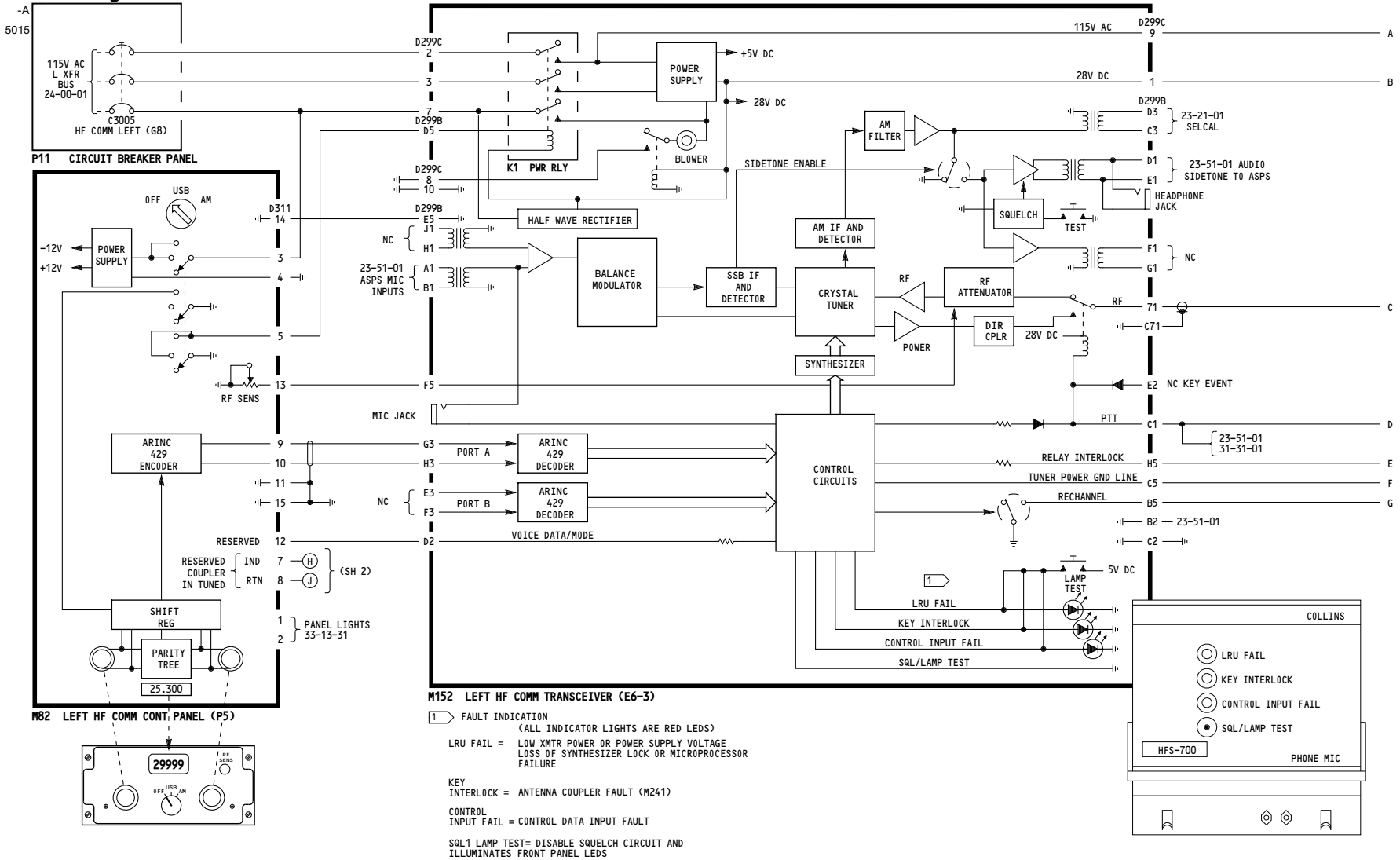


002-099

LEFT HF COMMUNICATIONS

D280N032S

23-11-01



M152 LEFT HF COMM TRANSCEIVER (E6-3)

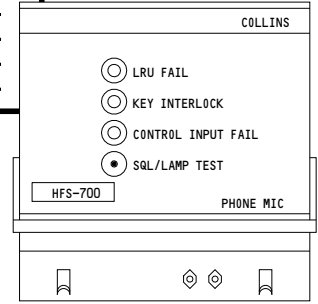
1 FAULT INDICATION
(ALL INDICATOR LIGHTS ARE RED LEDES)

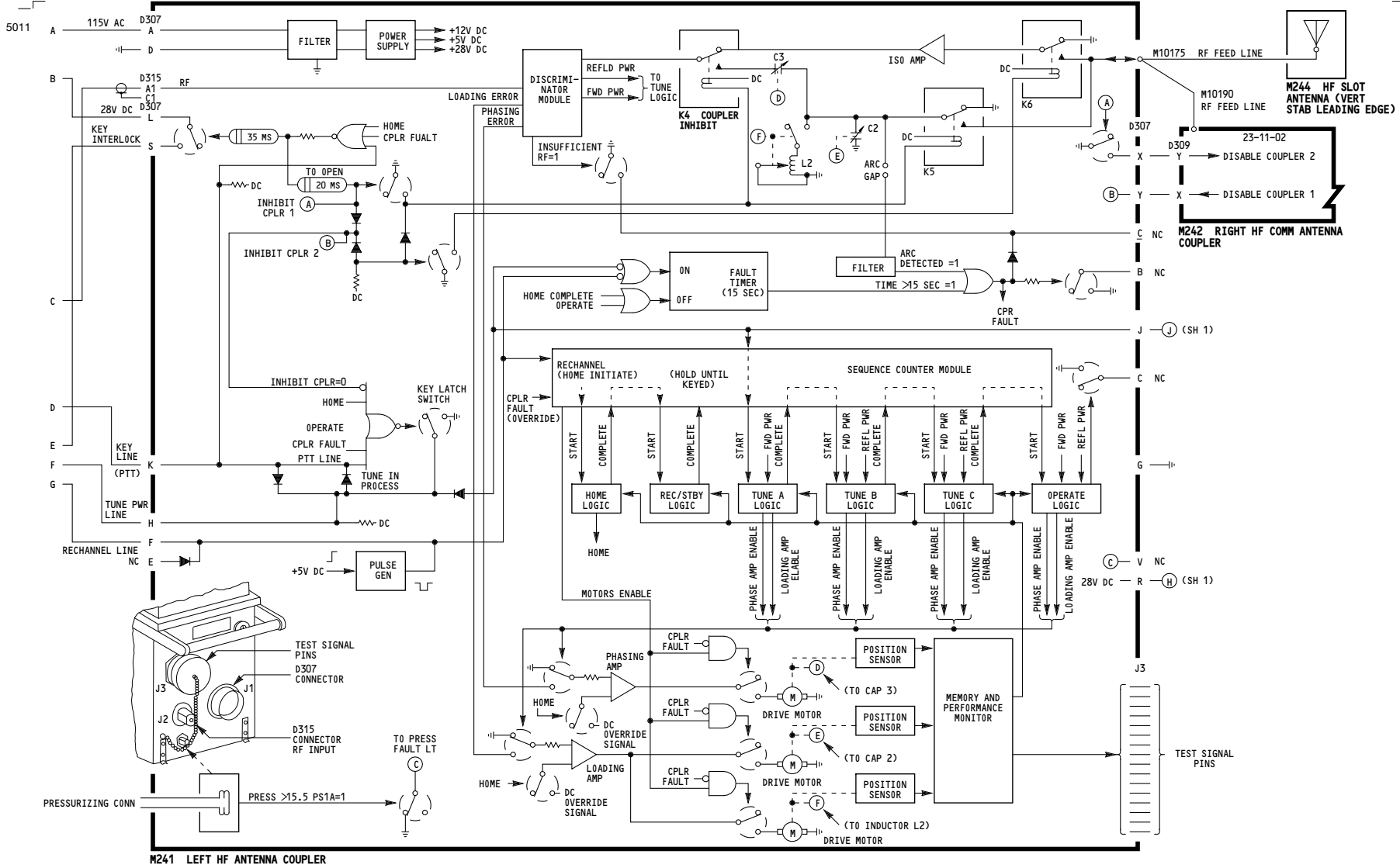
LRU FAIL = LOW XNTR POWER OR POWER SUPPLY VOLTAGE
LOSS OF SYNTHESIZER LOCK OR MICROPROCESSOR
FAILURE

KEY INTERLOCK = ANTENNA COUPLER FAULT (M241)

CONTROL INPUT FAIL = CONTROL DATA INPUT FAULT

SQL LAMP TEST= DISABLE SQUELCH CIRCUIT AND
ILLUMINATES FRONT PANEL LEDES





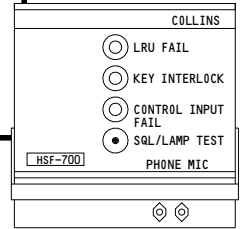
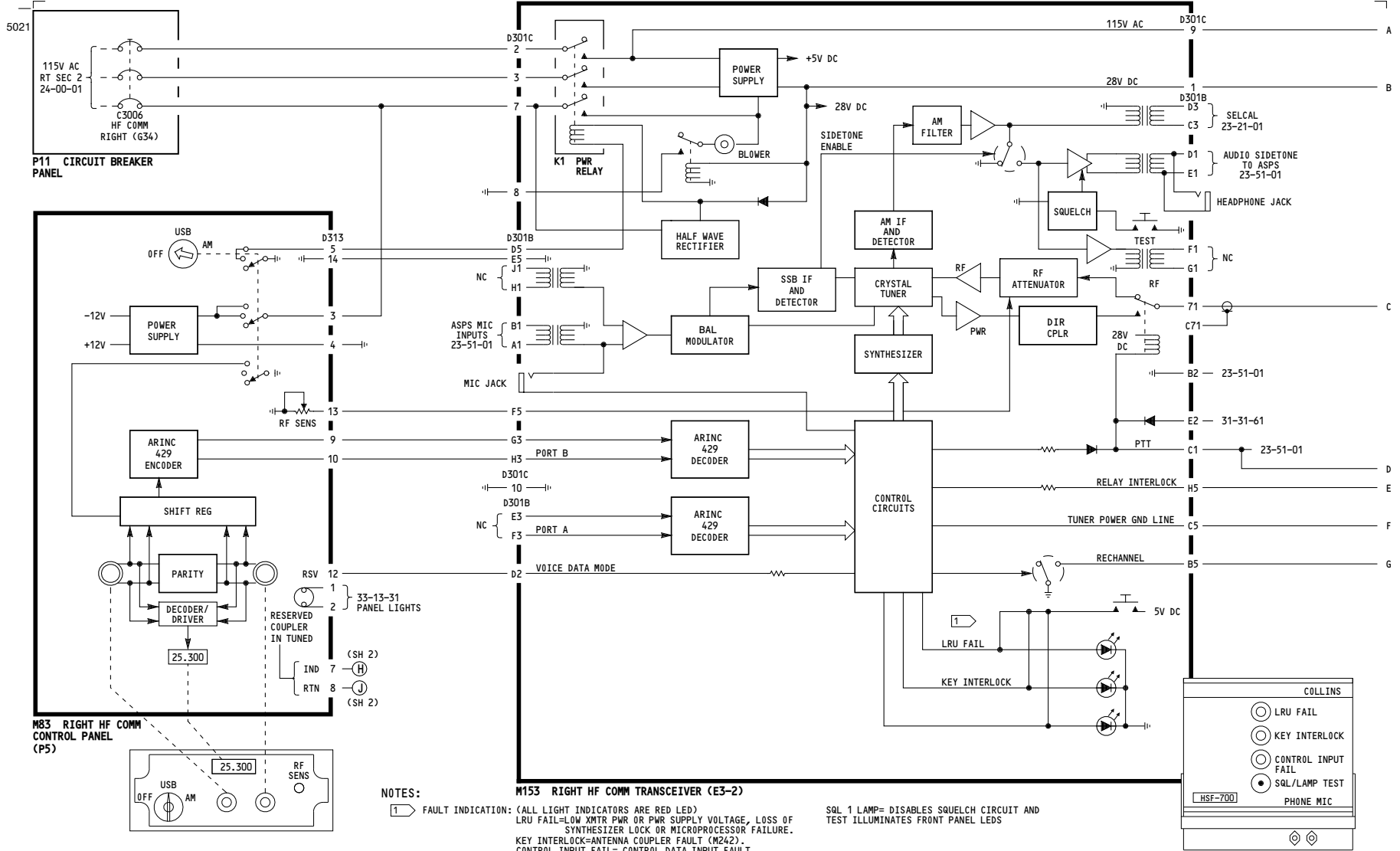
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LEFT HF COMMUNICATIONS

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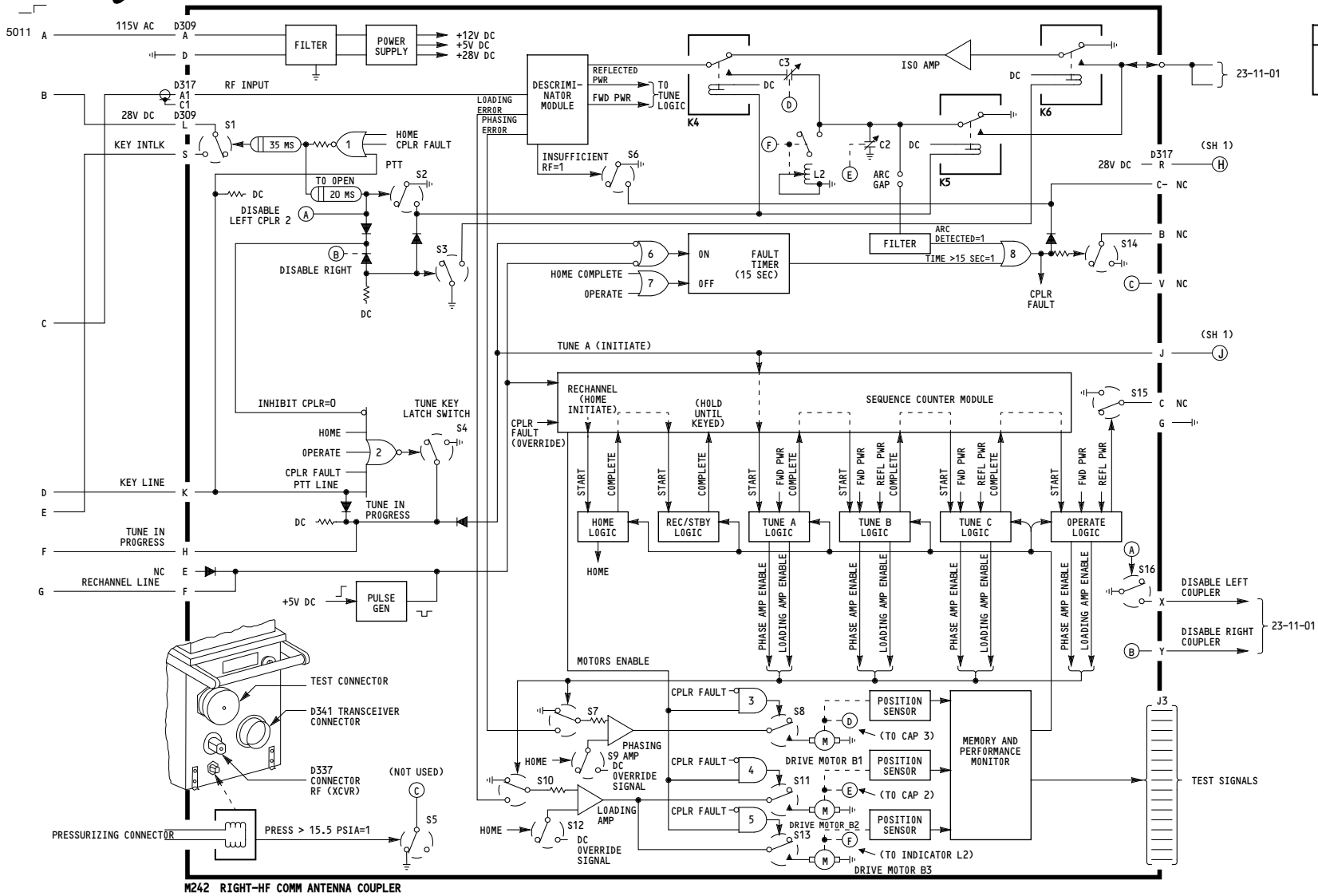


001-099

RIGHT HF COMMUNICATIONS

D280N032S

23-11-02



WIRING DIAGRAMS
23-11-11

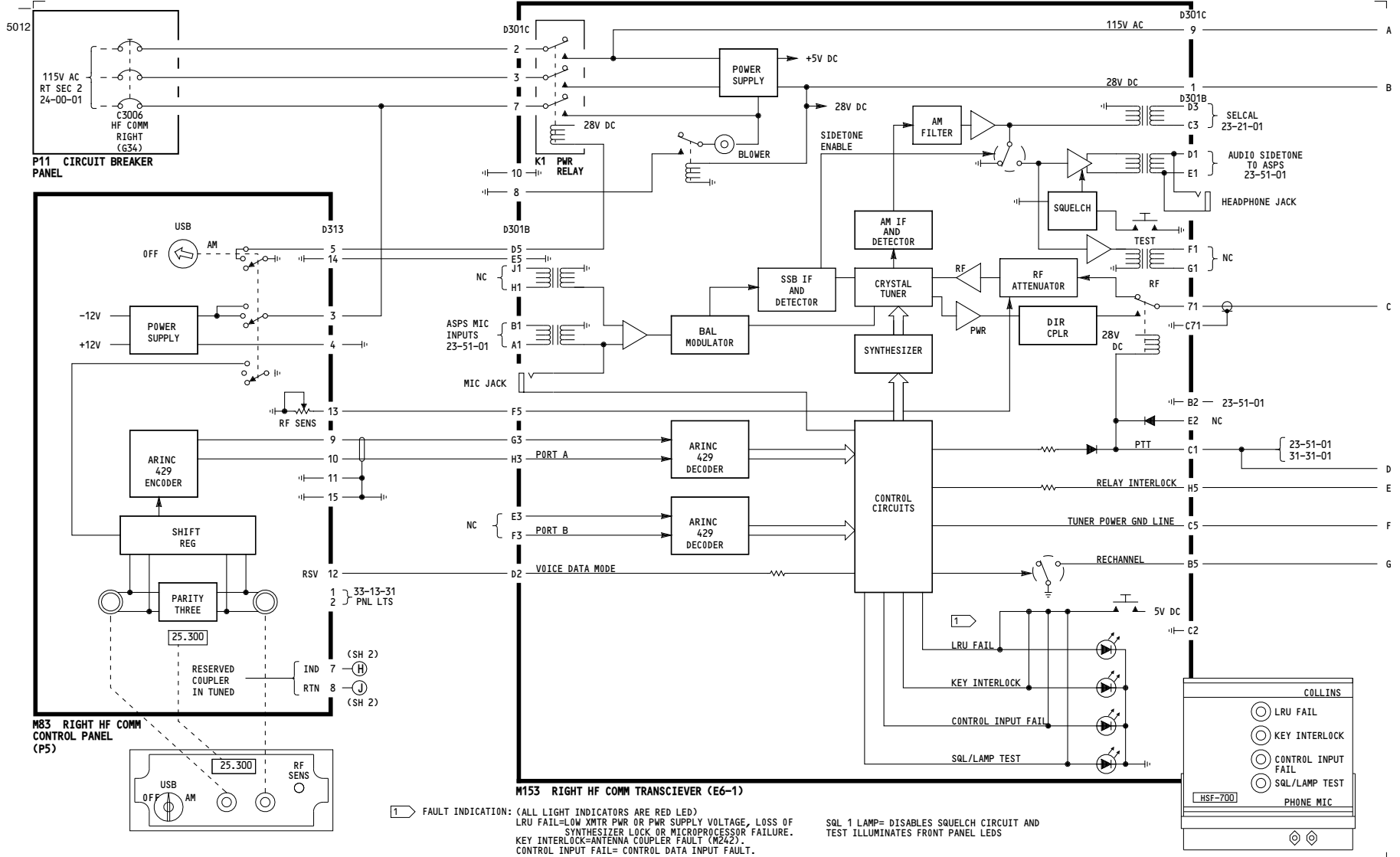
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RIGHT HF COMMUNICATIONS

D280N032S

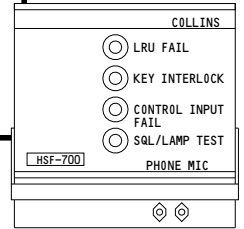
23-11-02

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1 FAULT INDICATION: (ALL LIGHT INDICATORS ARE RED LED)
 LRU FAIL=LOW XMTR PWR OR PWR SUPPLY VOLTAGE, LOSS OF SYNTHESIZER LOCK OR MICROPROCESSOR FAILURE.
 KEY INTERLOCK=ANTENNA COUPLER FAULT (M222).
 CONTROL INPUT FAIL= CONTROL DATA INPUT FAULT.

SQL 1 LAMP= DISABLES SQUELCH CIRCUIT AND TEST ILLUMINATES FRONT PANEL LEDS

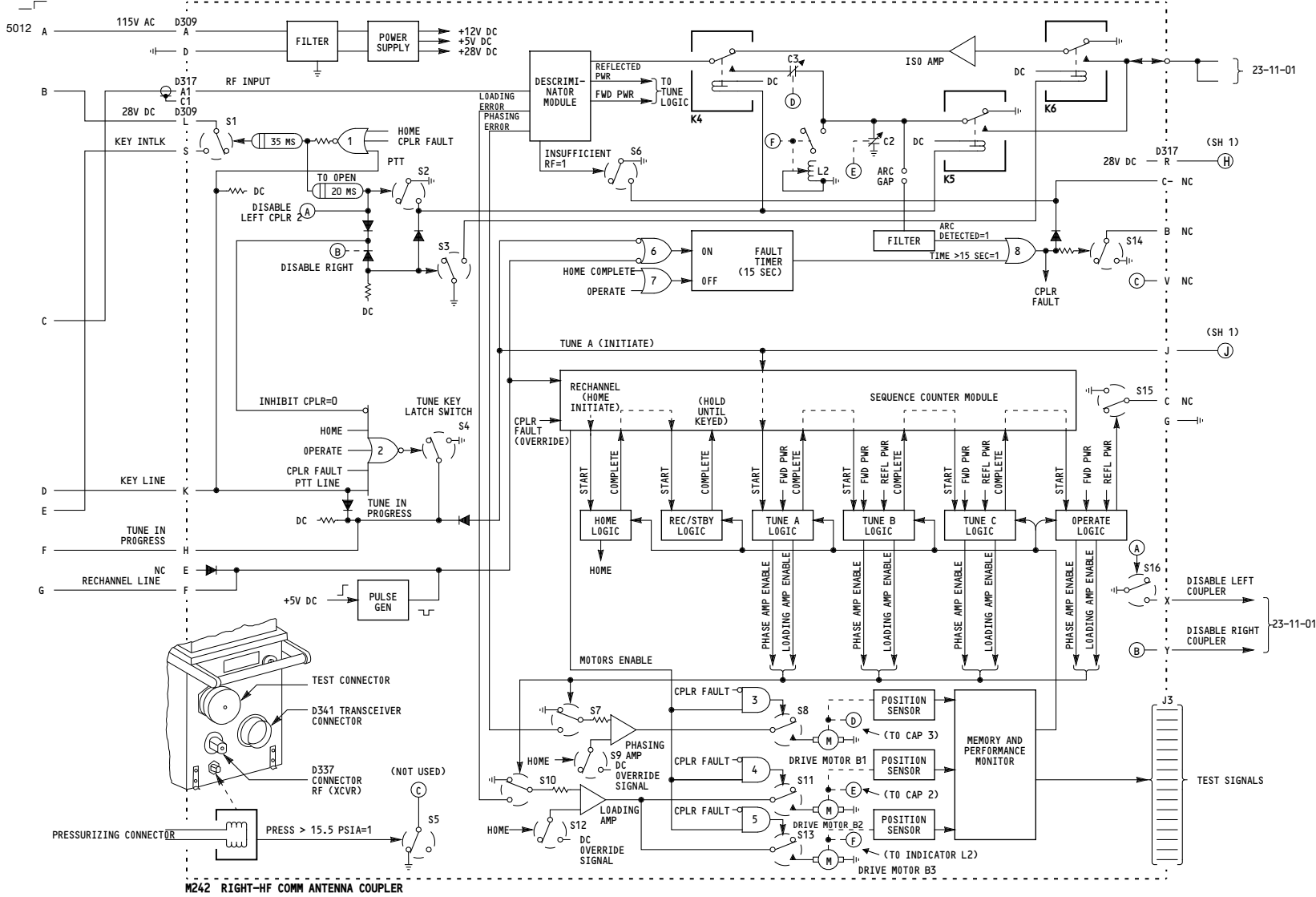


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RIGHT HF COMMUNICATIONS

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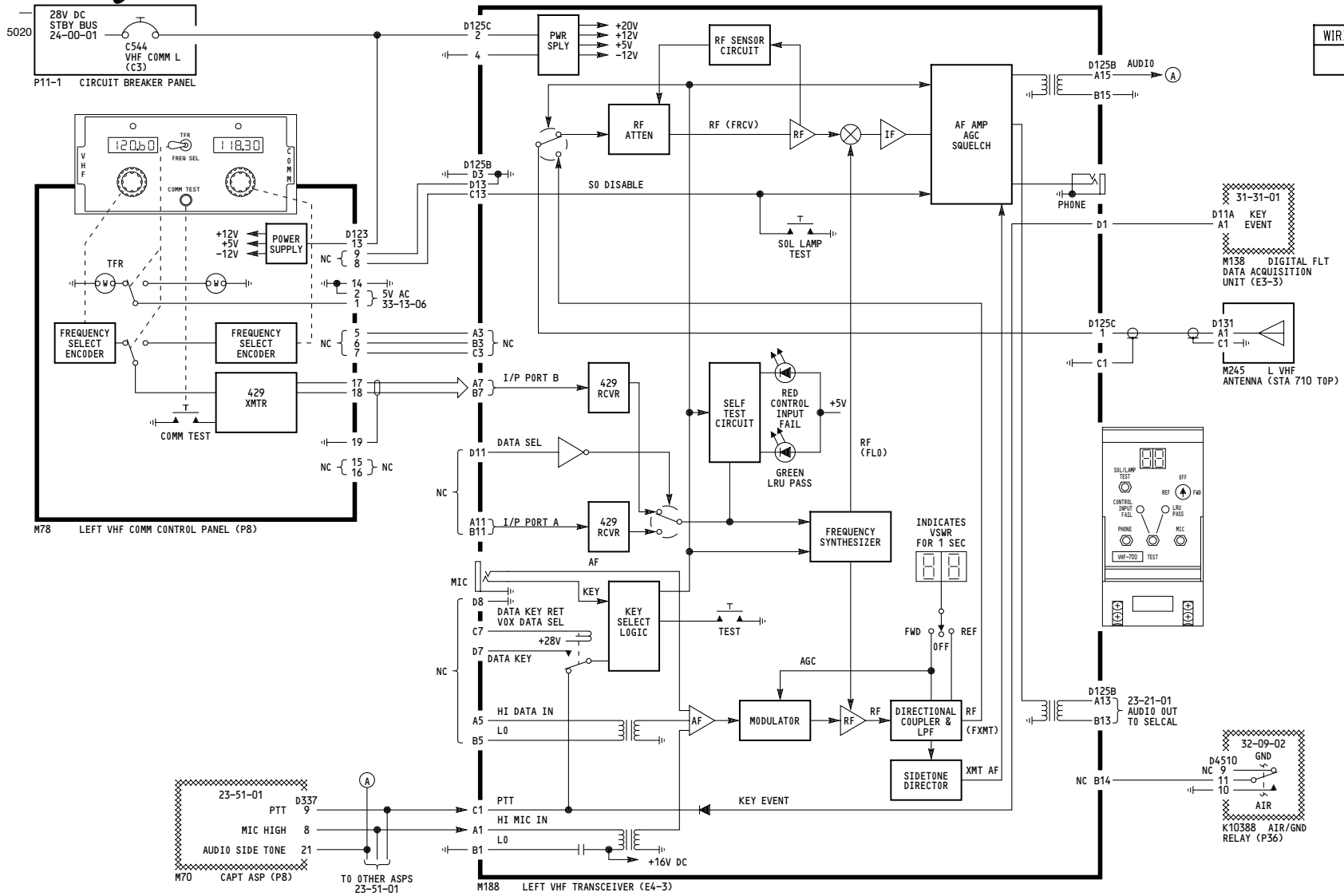


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23-11-11

<p>115-199</p>	<p>RIGHT HF COMMUNICATIONS</p> <p>D280N032S</p>
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WIRING DIAGRAMS
23-12-11

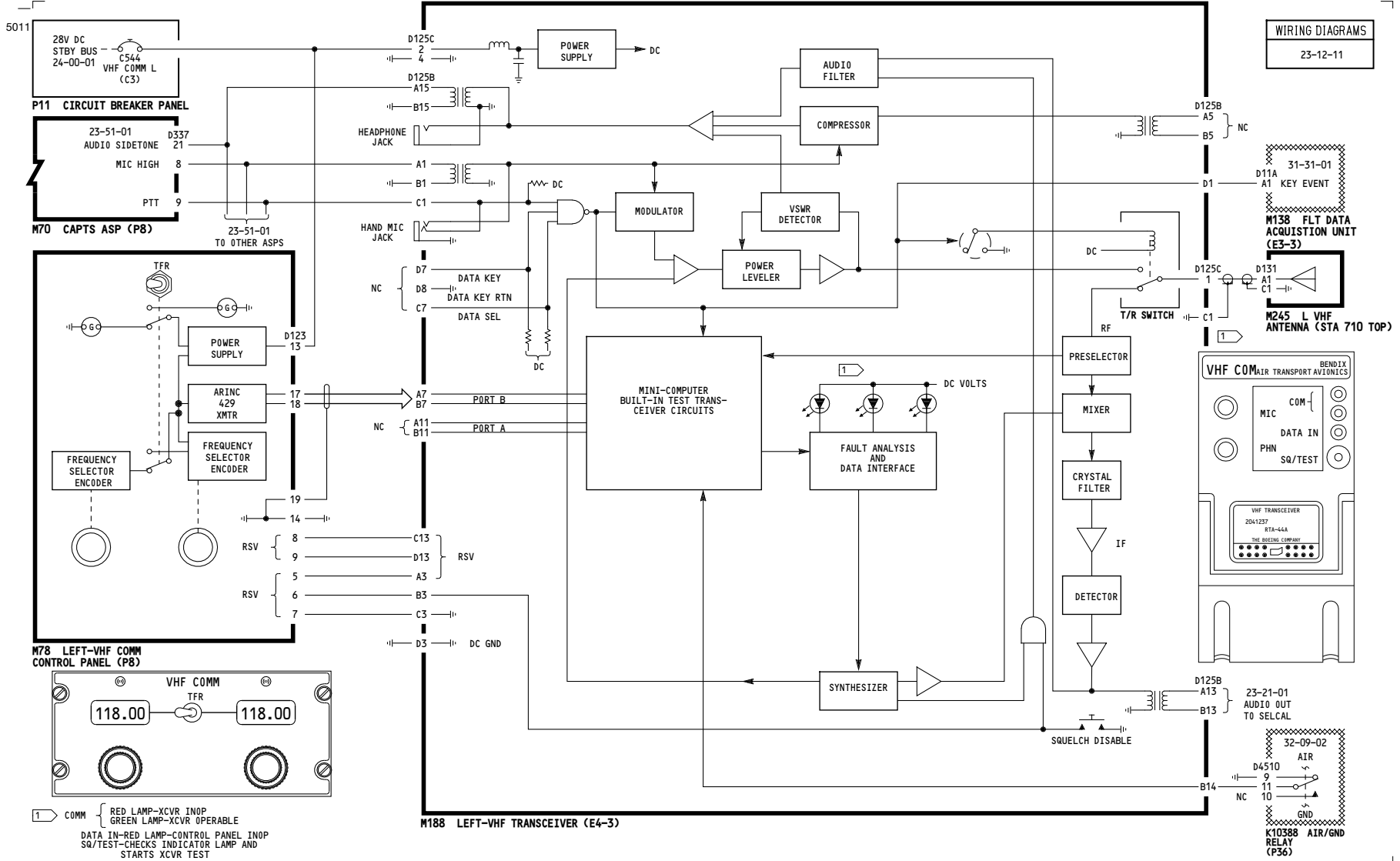


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WIRING DIAGRAMS
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LEFT VHF COMMUNICATIONS

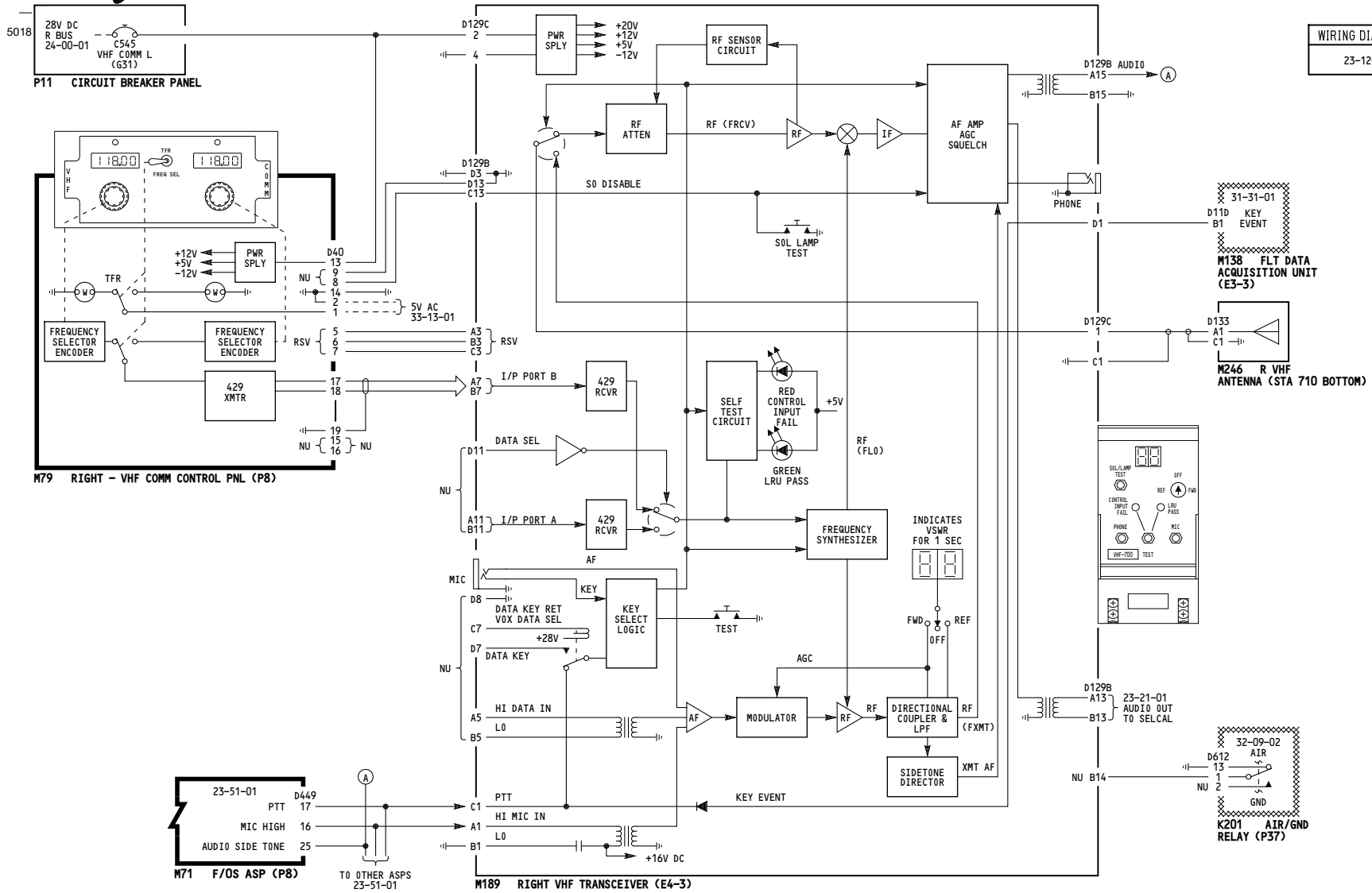
D280N032S

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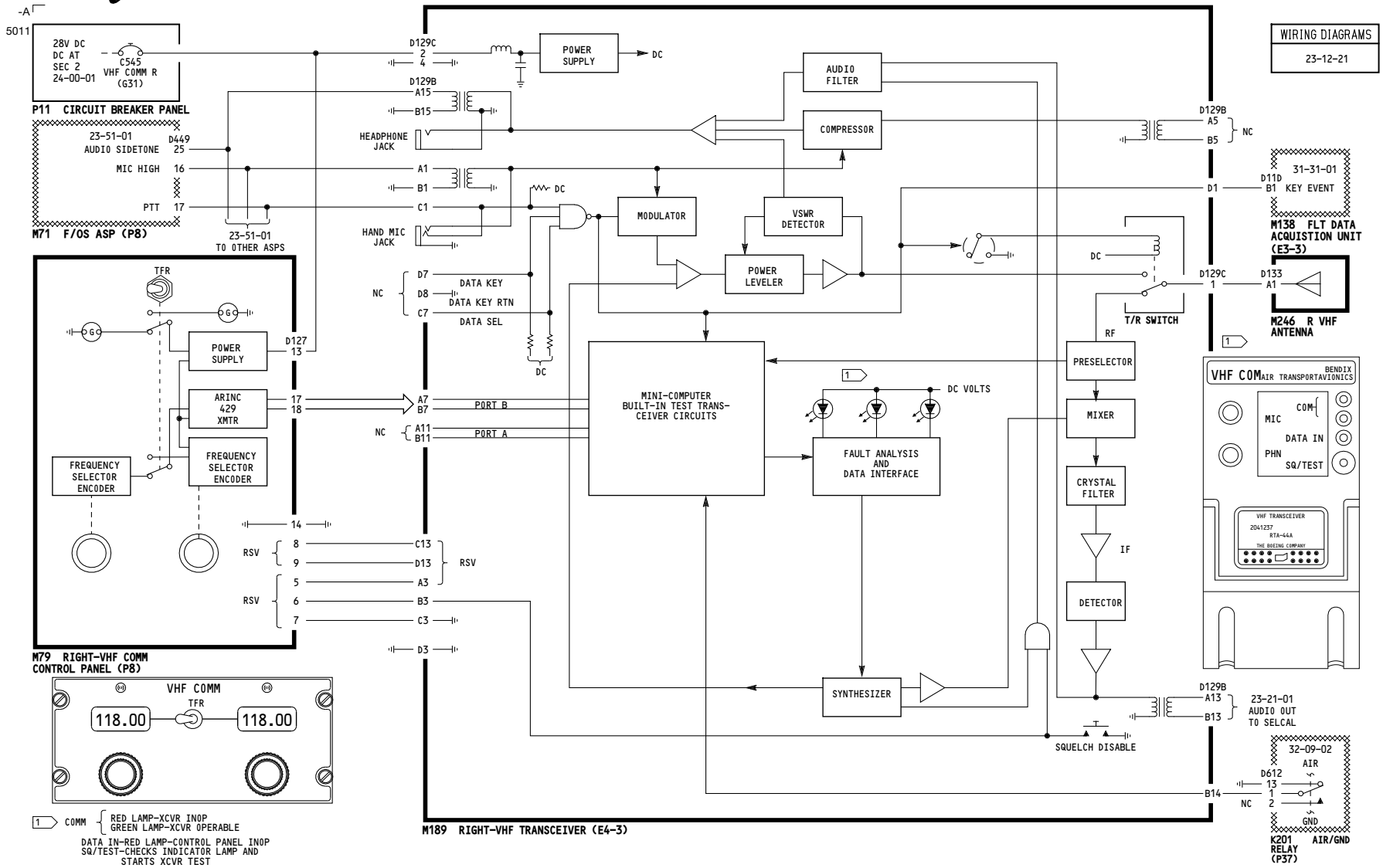
RIGHT VHF COMMUNICATIONS

D280N032S

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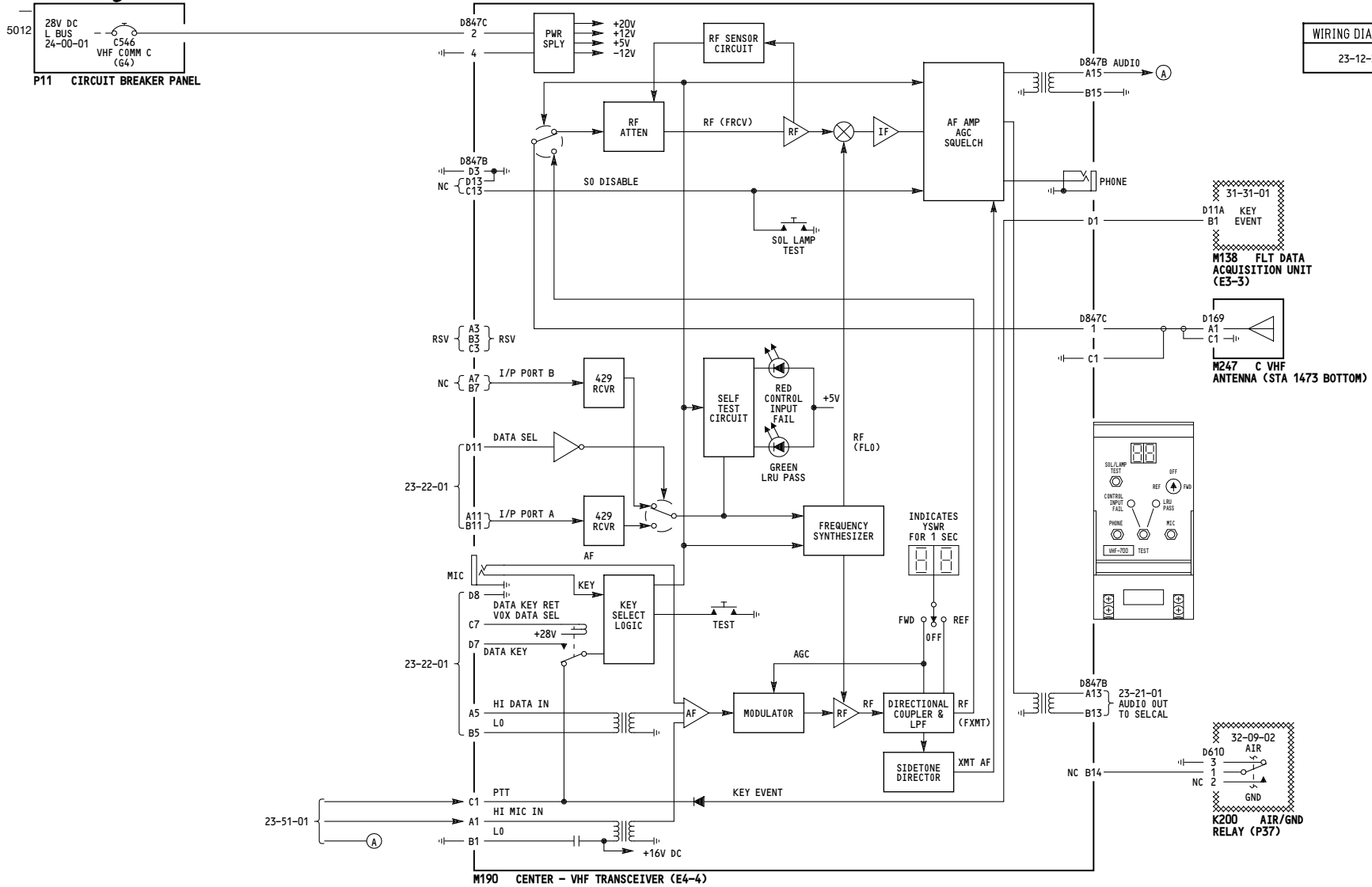
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RIGHT VHF COMMUNICATIONS

D280N032S

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WIRING DIAGRAMS
23-12-31



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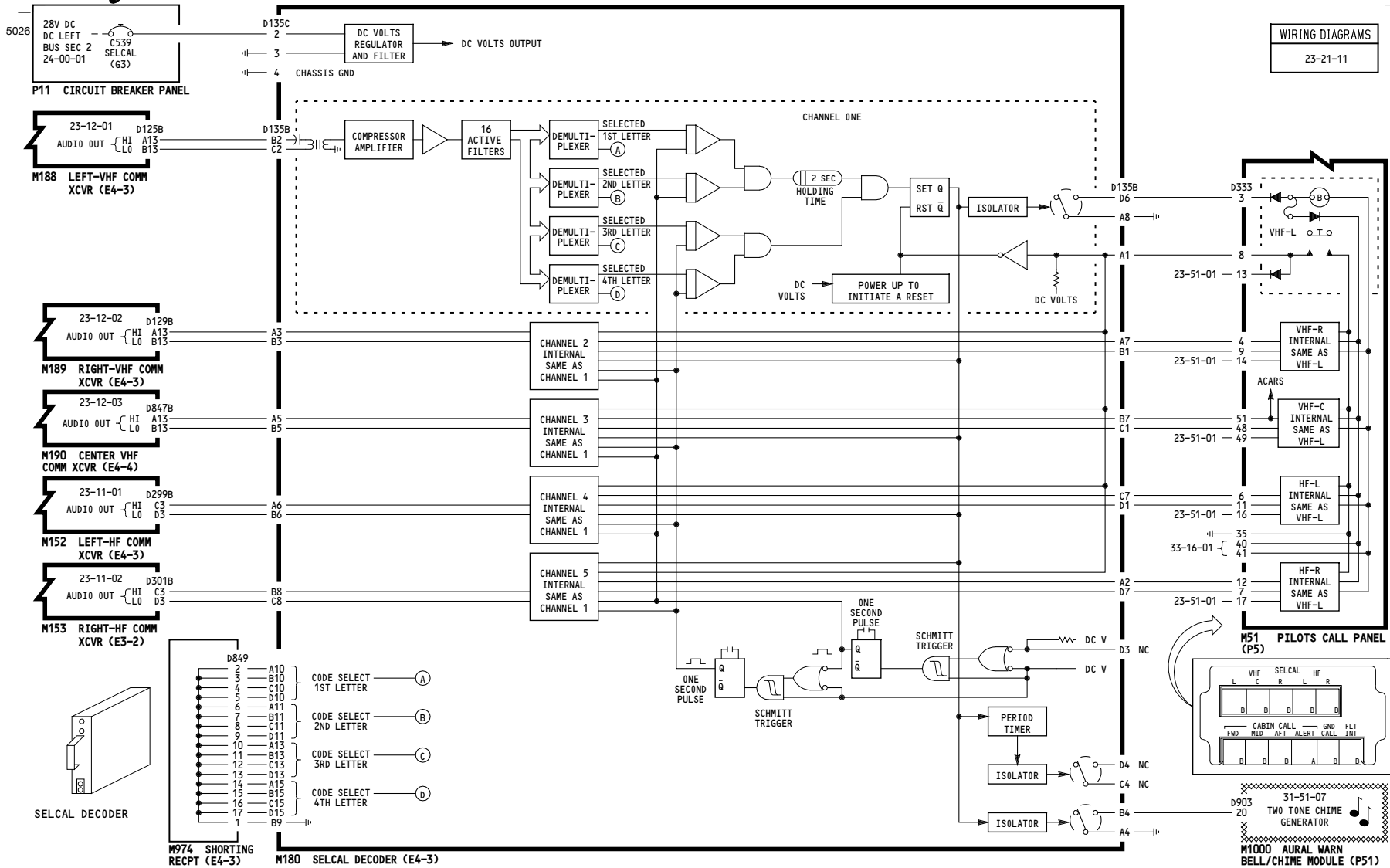
CENTER VHF COMMUNICATIONS

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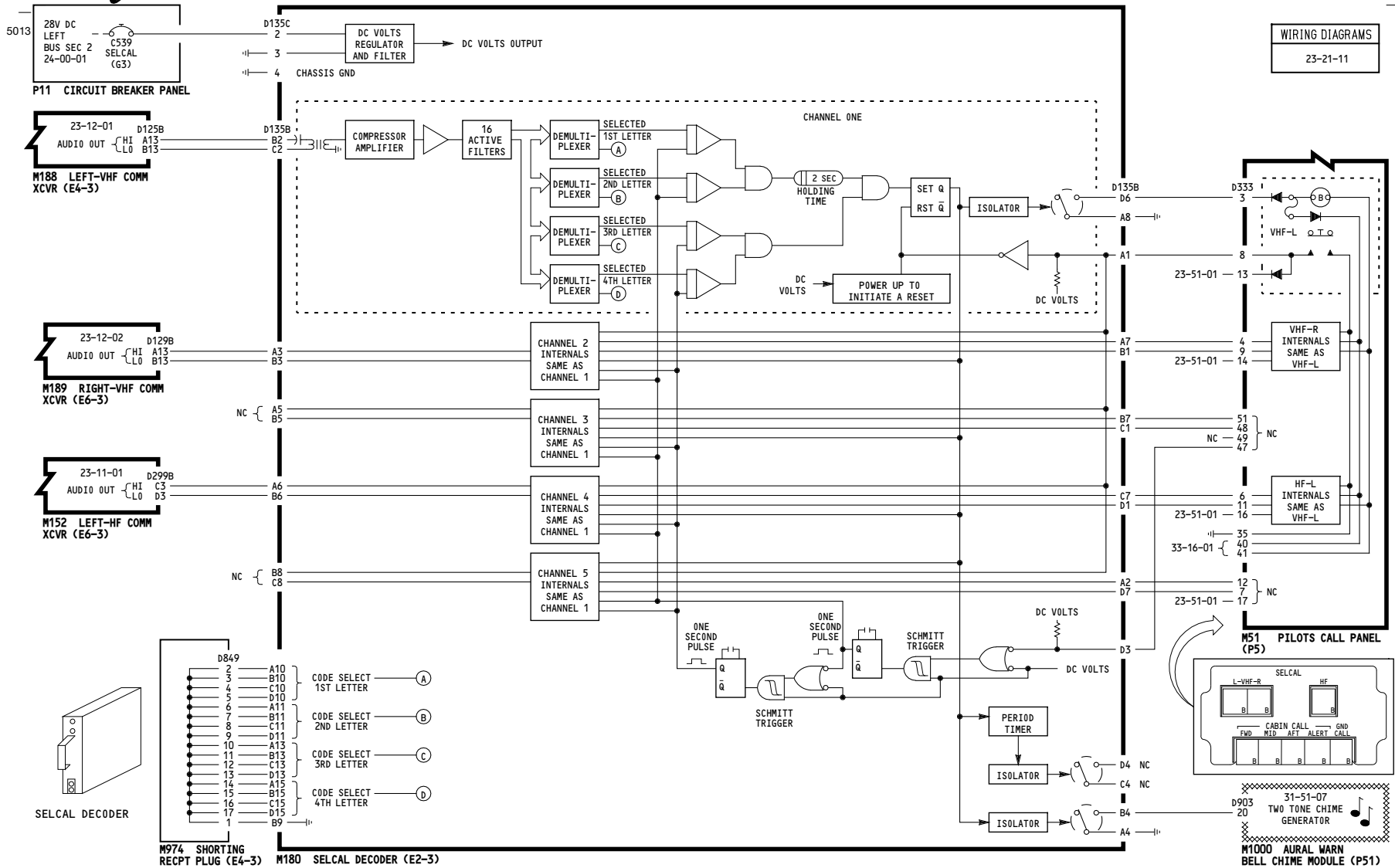


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SELCAL

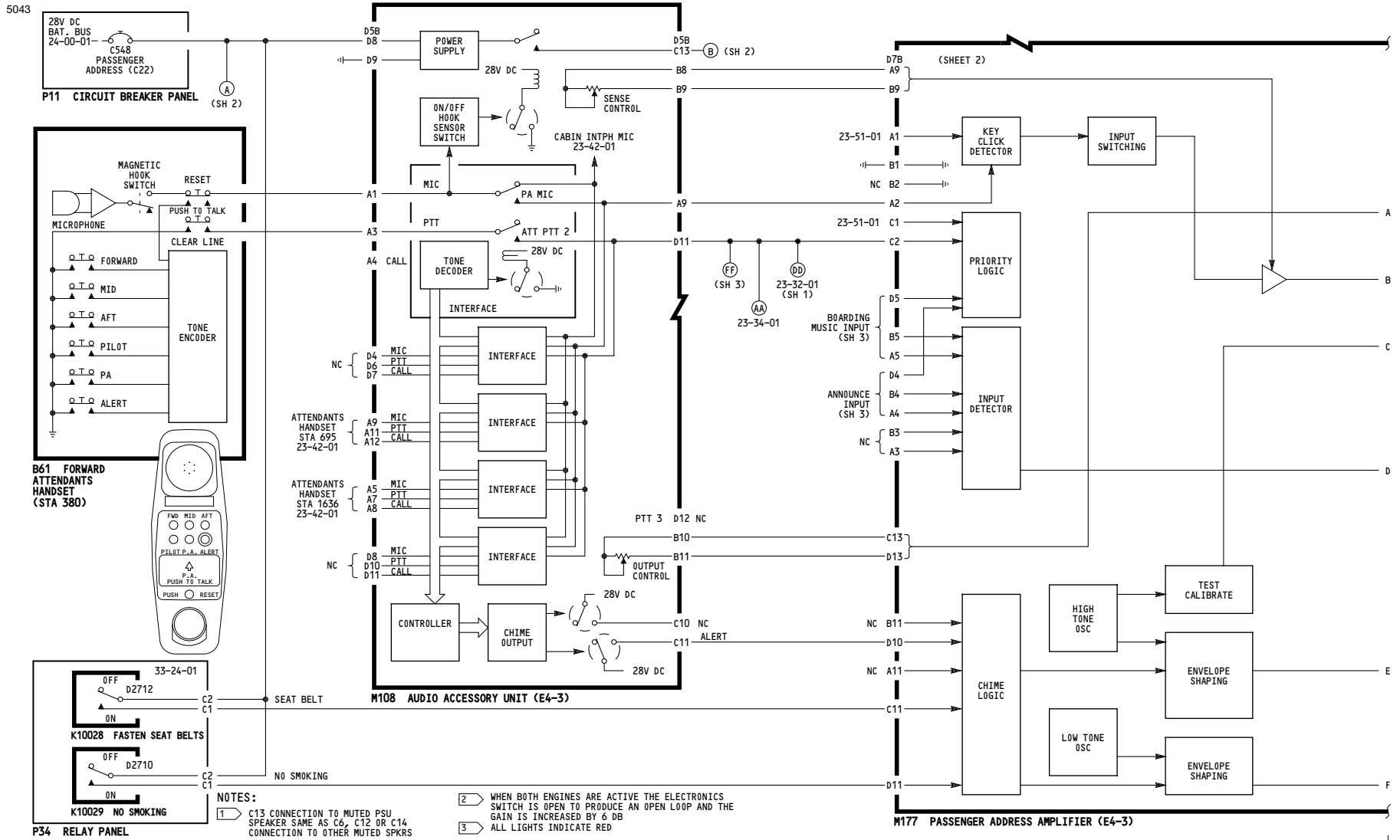
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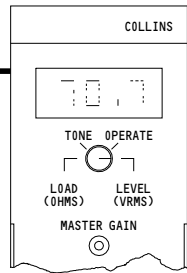
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PASSENGER ADDRESS SYSTEM

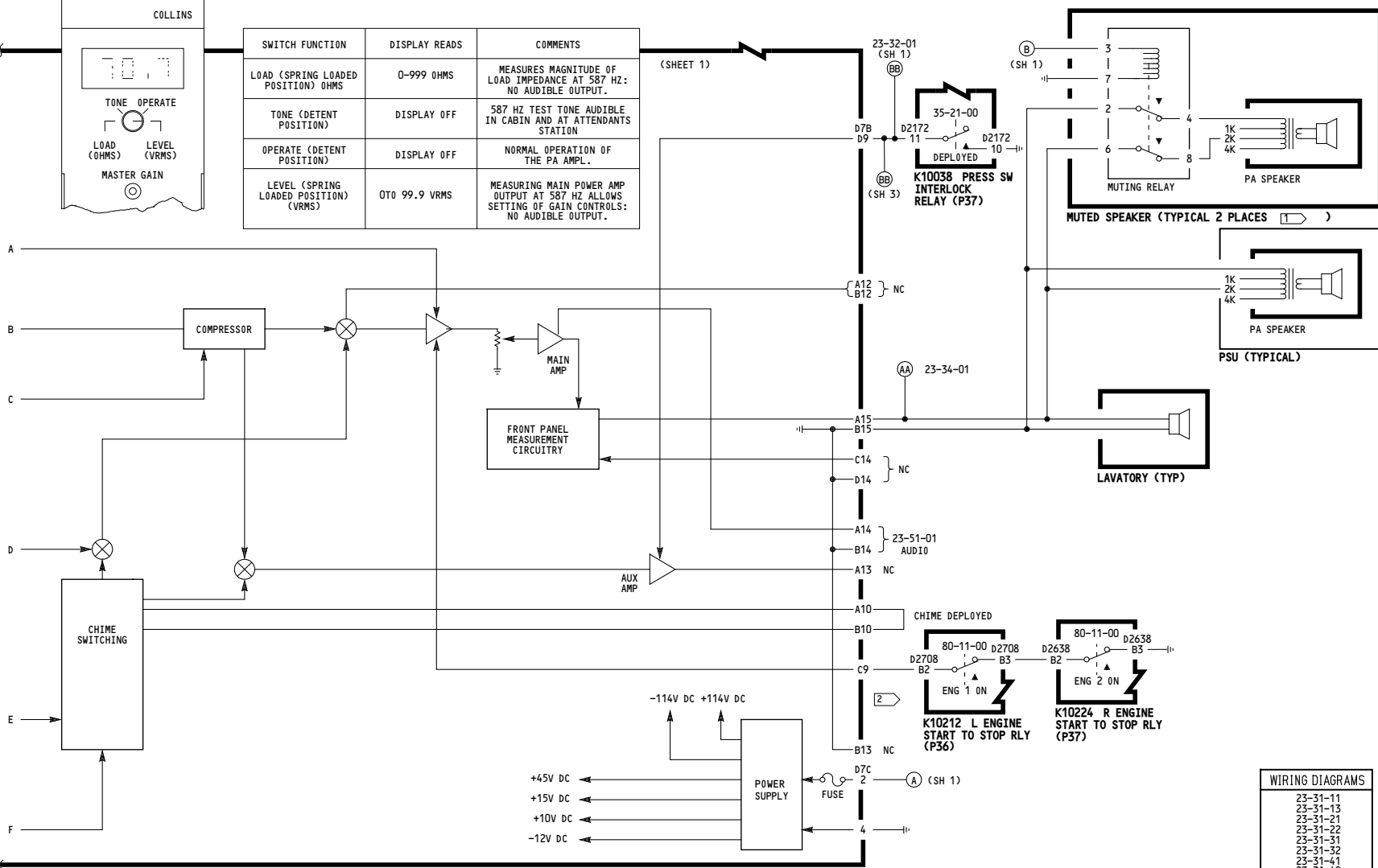
D280N032S

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SWITCH FUNCTION	DISPLAY READS	COMMENTS
LOAD (SPRING LOADED POSITION) OHMS	0-999 OHMS	MEASURES MAGNITUDE OF LOAD IMPEDANCE AT 587 HZ: NO AUDIBLE OUTPUT.
TONE (DETENT POSITION)	DISPLAY OFF	587 HZ TEST TONE AUDIBLE IN CABIN AND AT ATTENDANTS STATION
OPERATE (DETENT POSITION)	DISPLAY OFF	NORMAL OPERATION OF THE PA AMPL.
LEVEL (SPRING LOADED POSITION) (VRMS)	0 TO 99.9 VRMS	MEASURING MAIN POWER AMP OUTPUT AT 587 HZ ALLOWS SETTING OF GAIN CONTROLS: NO AUDIBLE OUTPUT.



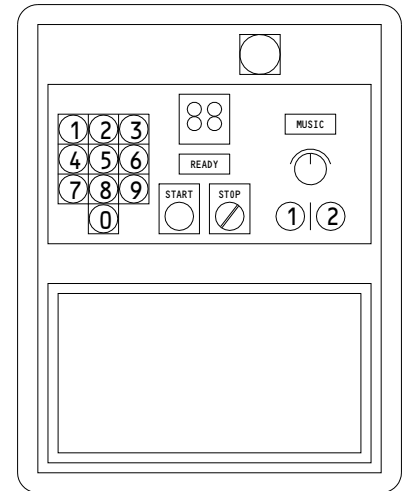
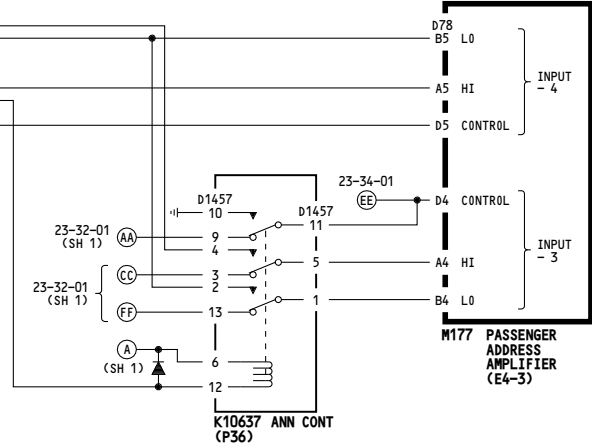
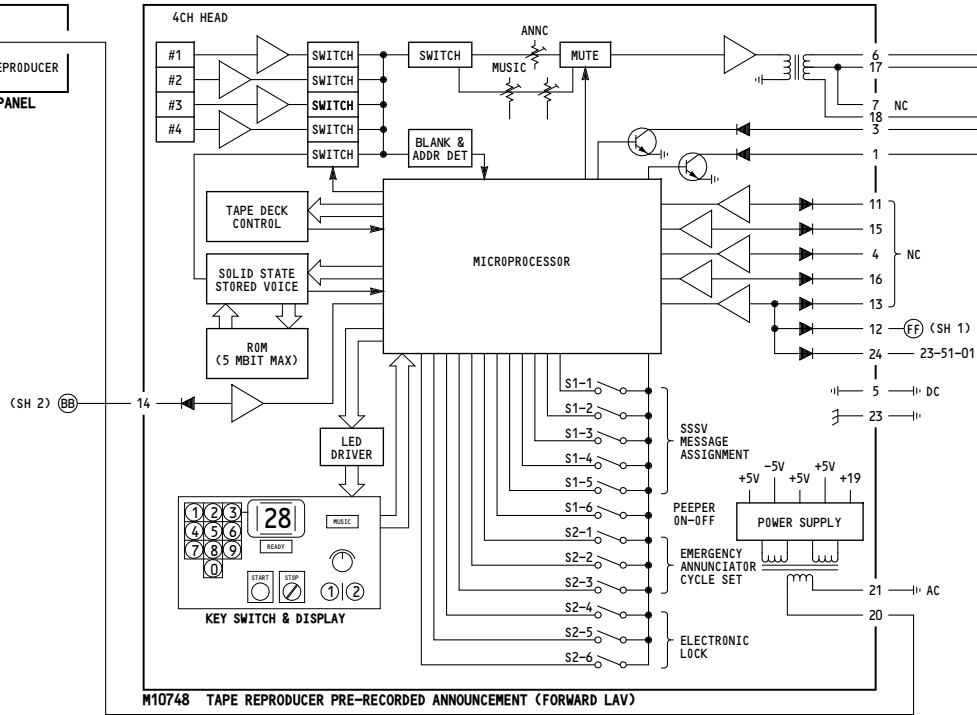
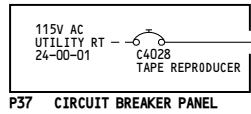
M177 PASSENGER ADDRESS AMPLIFIER (E4-3)

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D280N032S	

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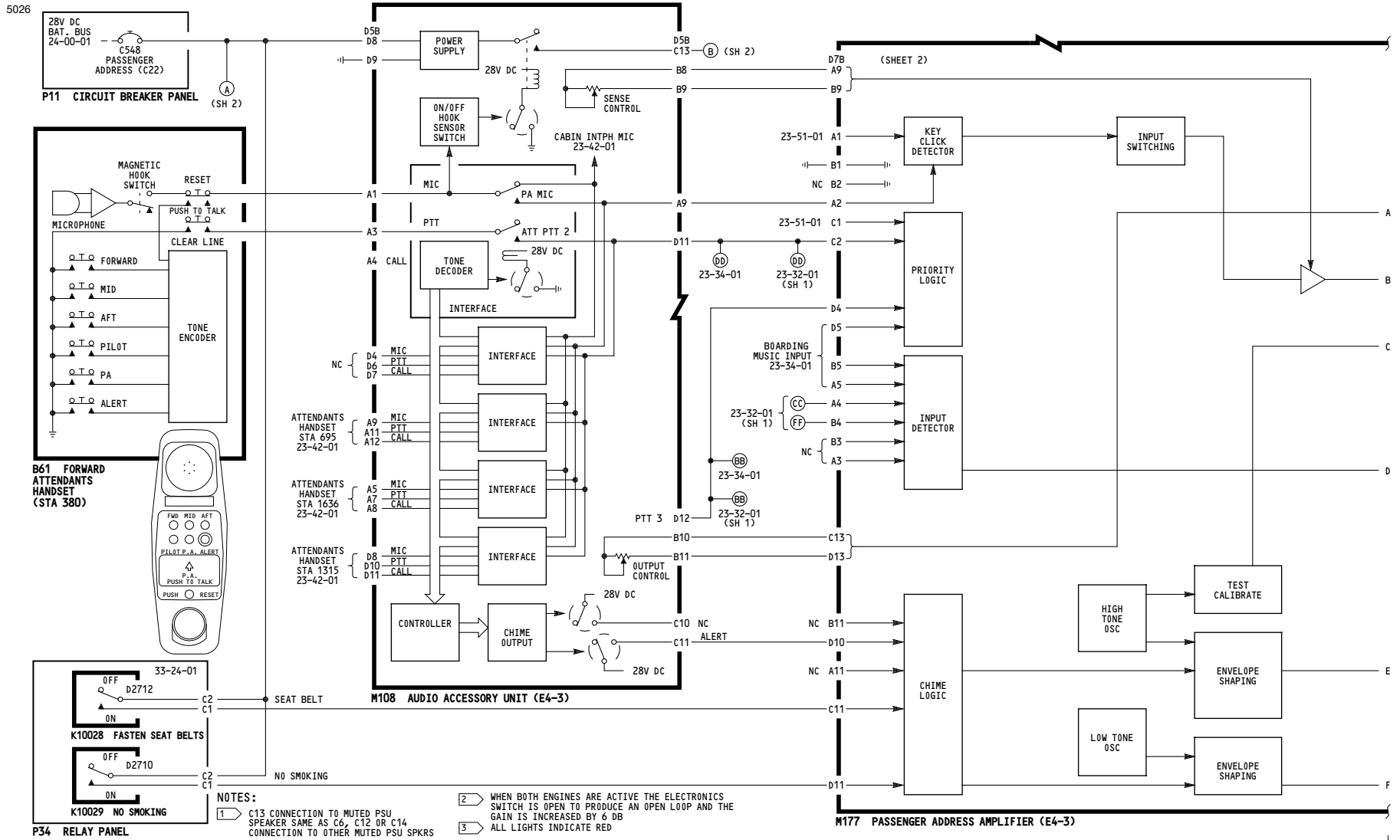
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001-099	<p>PASSENGER ADDRESS SYSTEM</p> <p>D280N032S</p>
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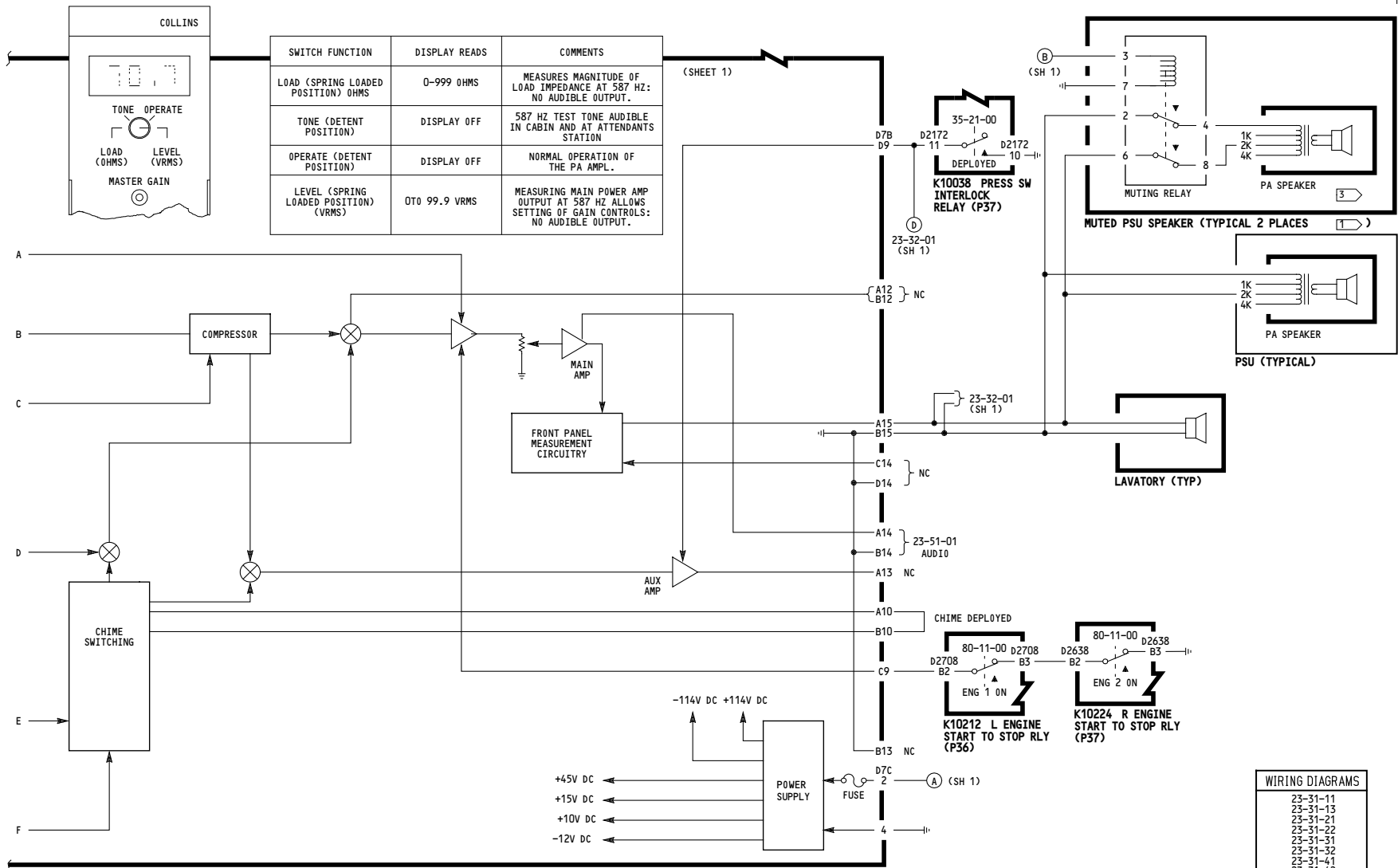
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PASSENGER ADDRESS SYSTEM

D280N032S

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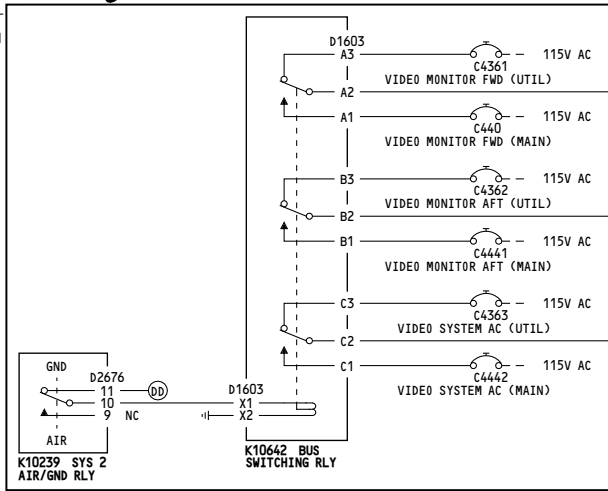
M177 PASSENGER ADDRESS AMPLIFIER (E4-3)

115-199	PASSENGER ADDRESS SYSTEM
D280N032S	

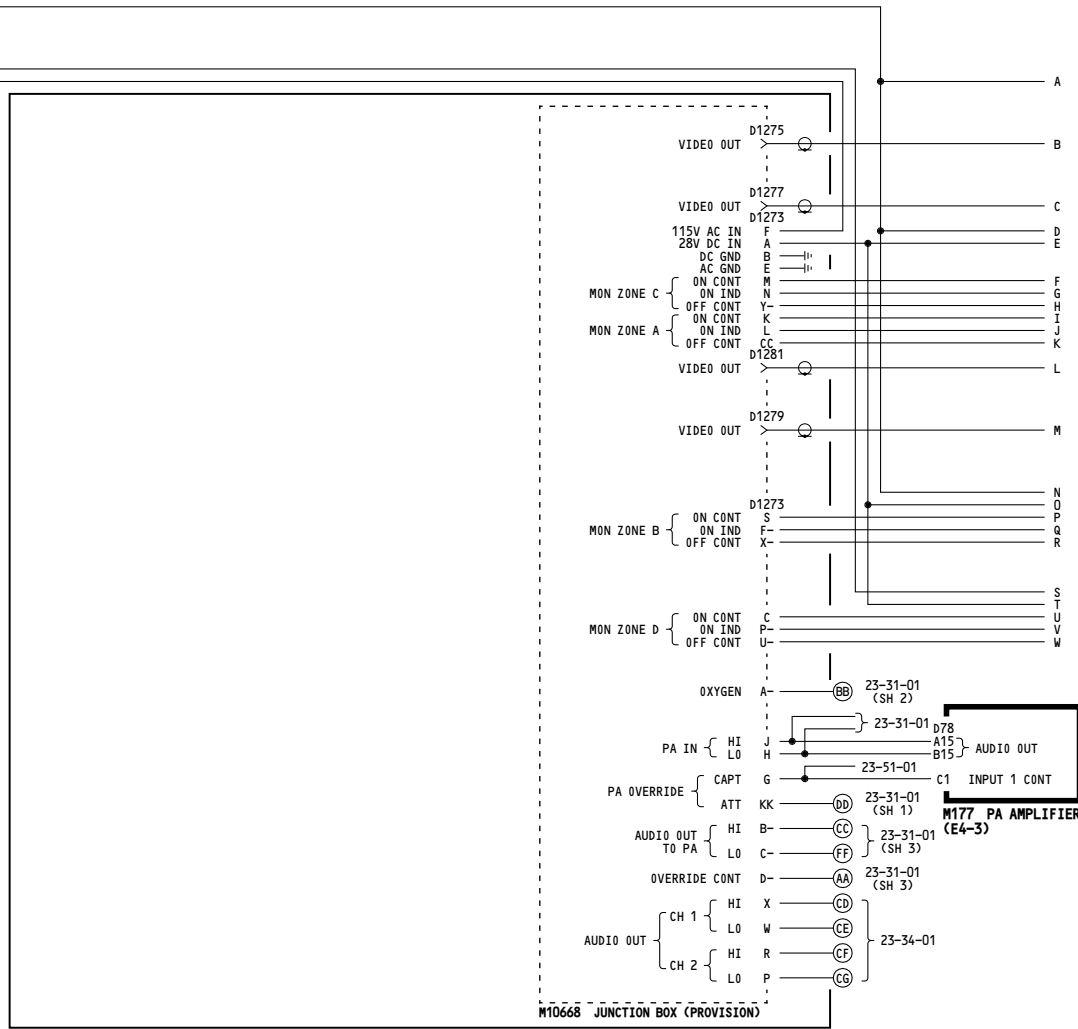
WIRING DIAGRAMS
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23-31-31
23-31-32
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P37 R MISC ELECT EQUIP. PANEL



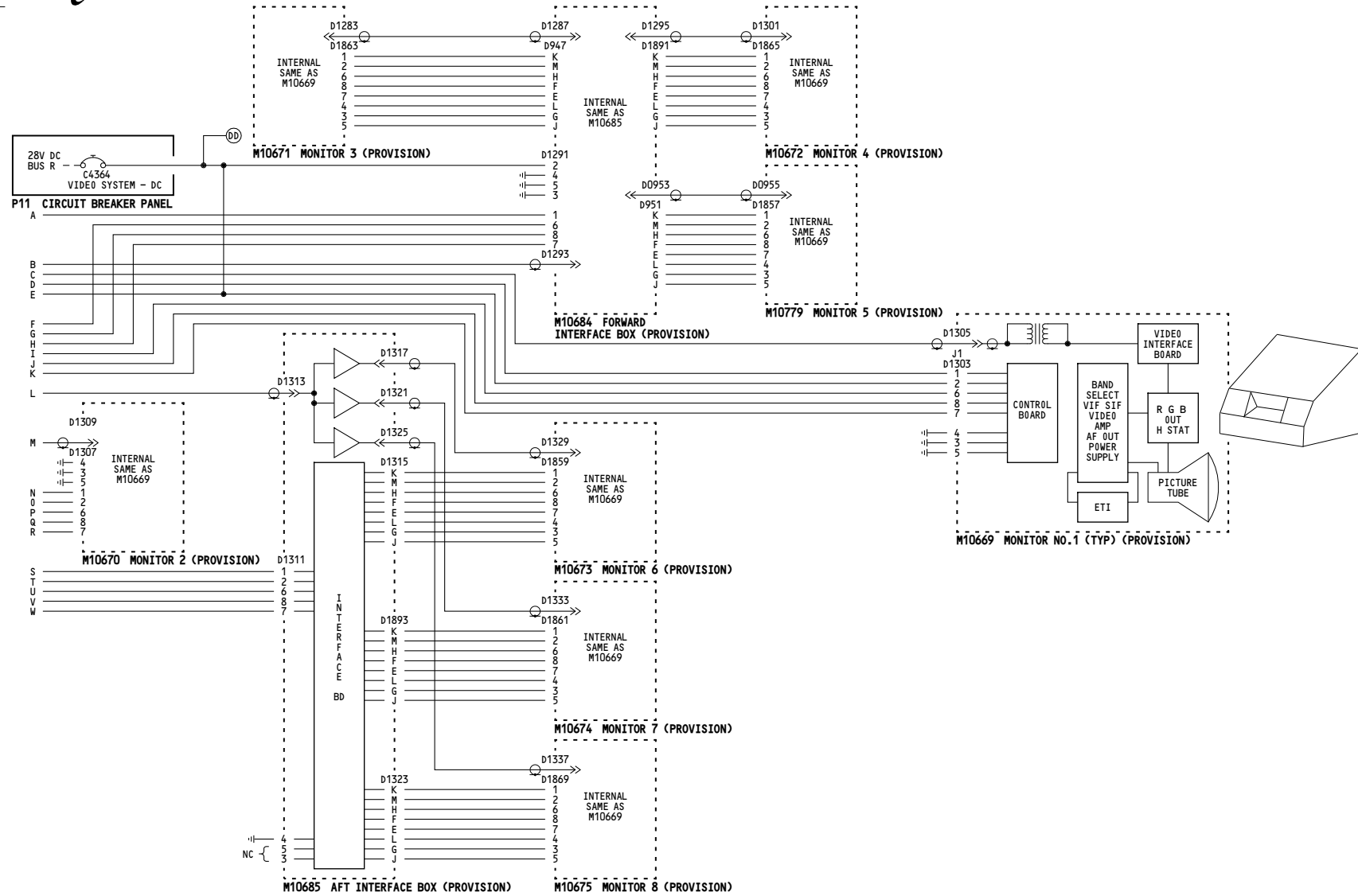
VIDEO CONTROL CENTER (AFT RIGHT STOWAGE BIN STA 1550)

001-099	VIDEO SYSTEM
D280N032S	

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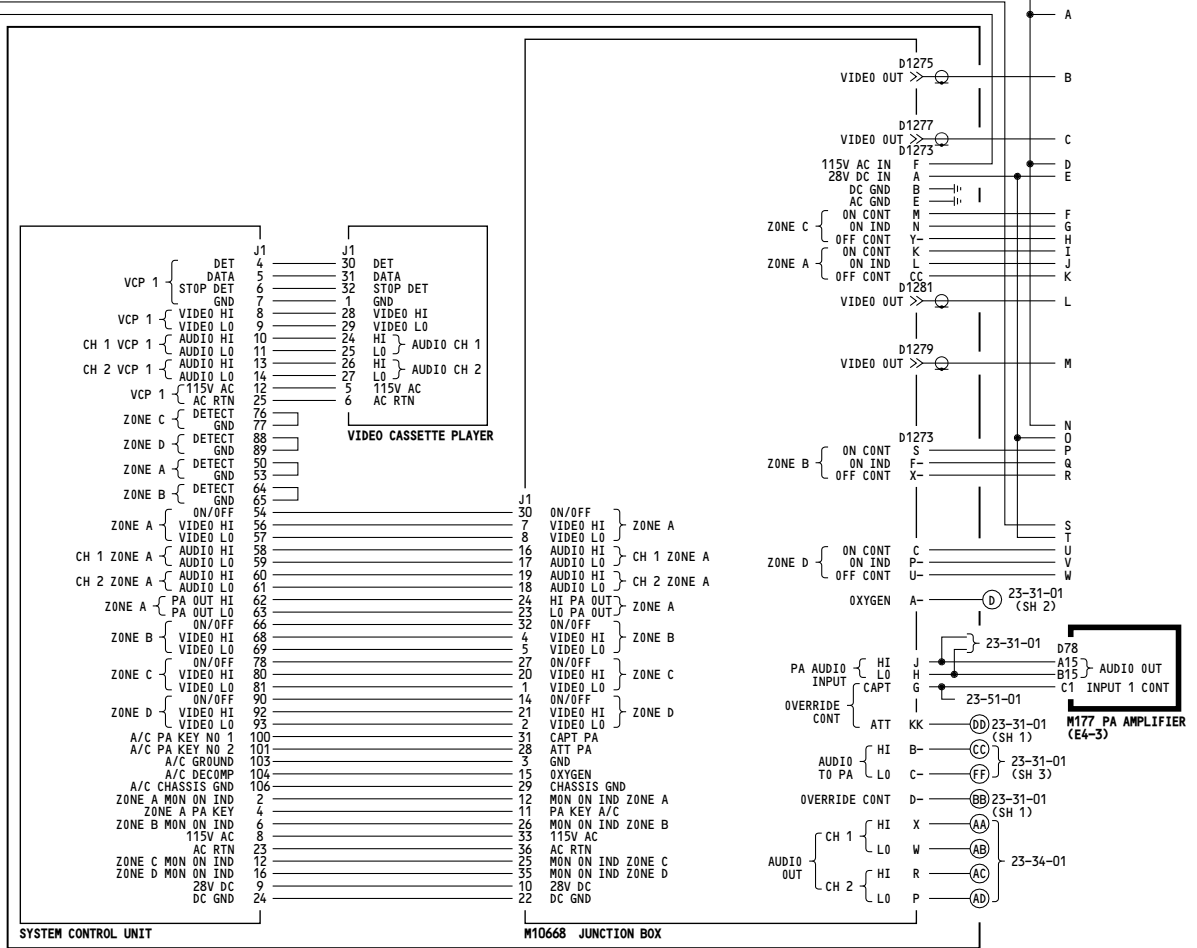
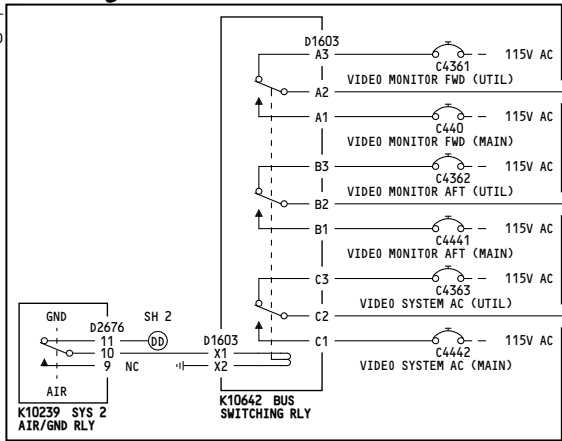
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001-099	<p>VIDEO SYSTEM</p> <p>D280N032S</p>
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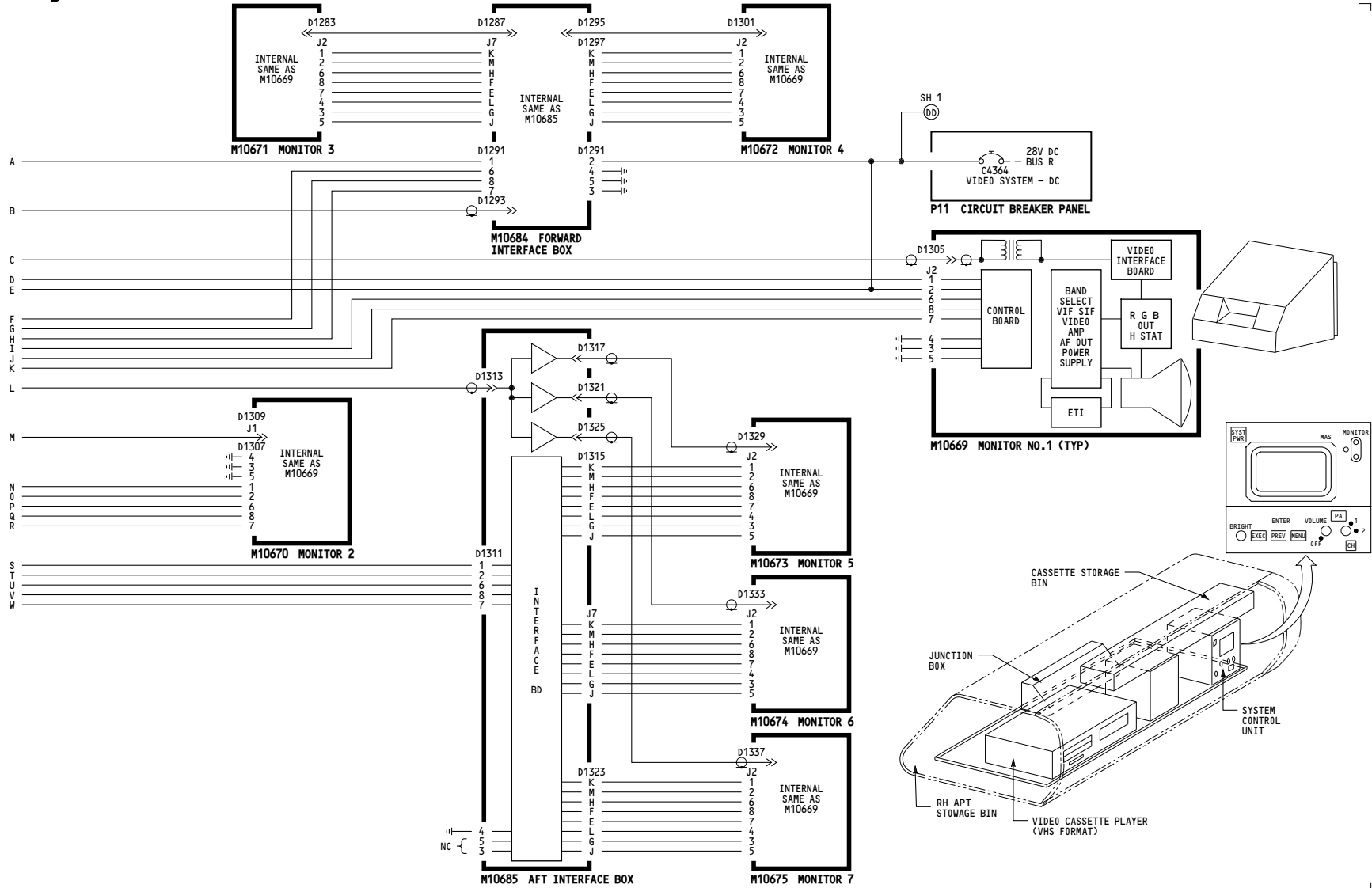


VIDEO CONTROL CENTER (AFT RIGHT STOWAGE BIN STA 1550)



23-32-01

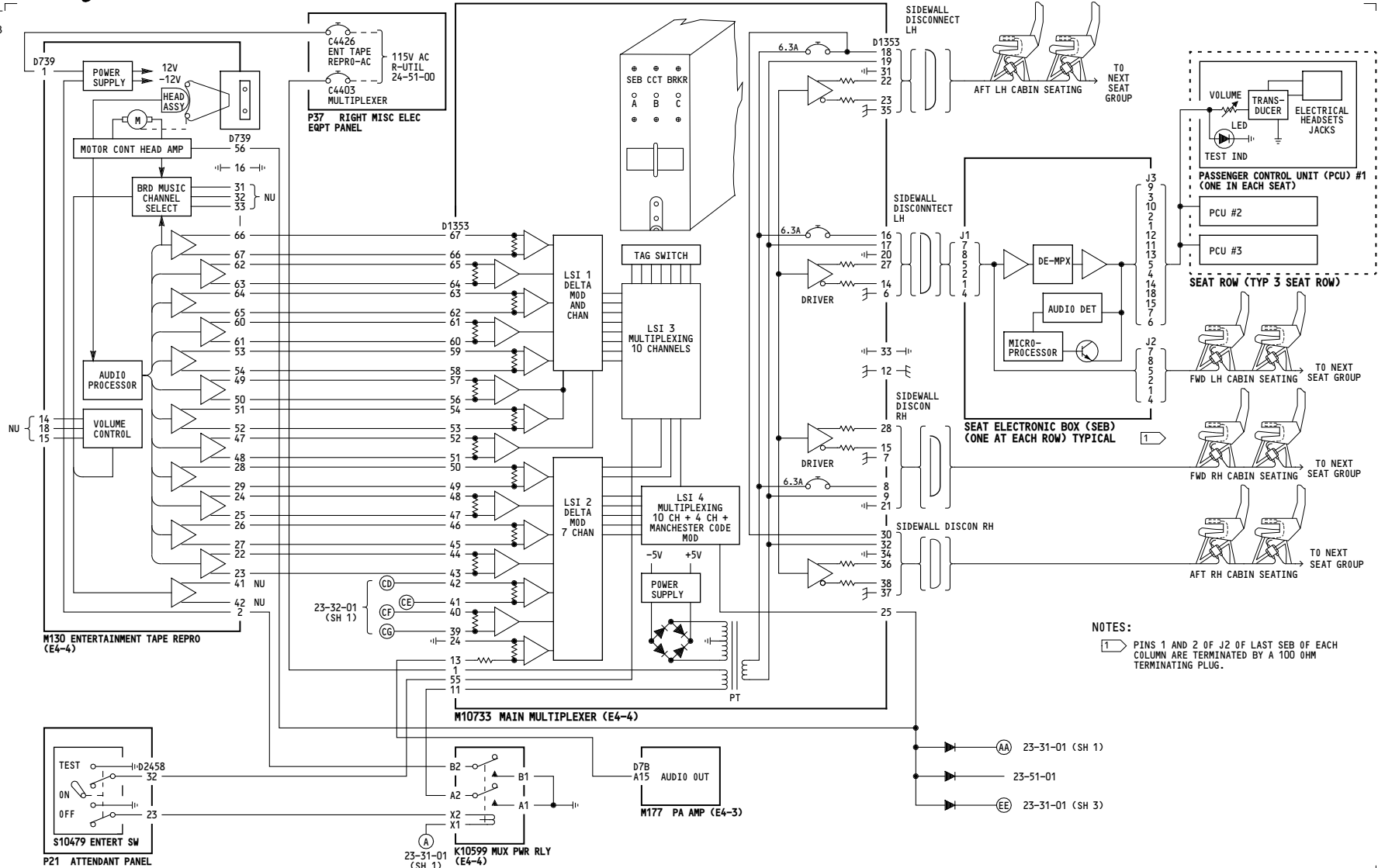
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115-199	<p align="center">VIDEO SYSTEM</p> <p align="center">D280N032S</p>
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23-32-01

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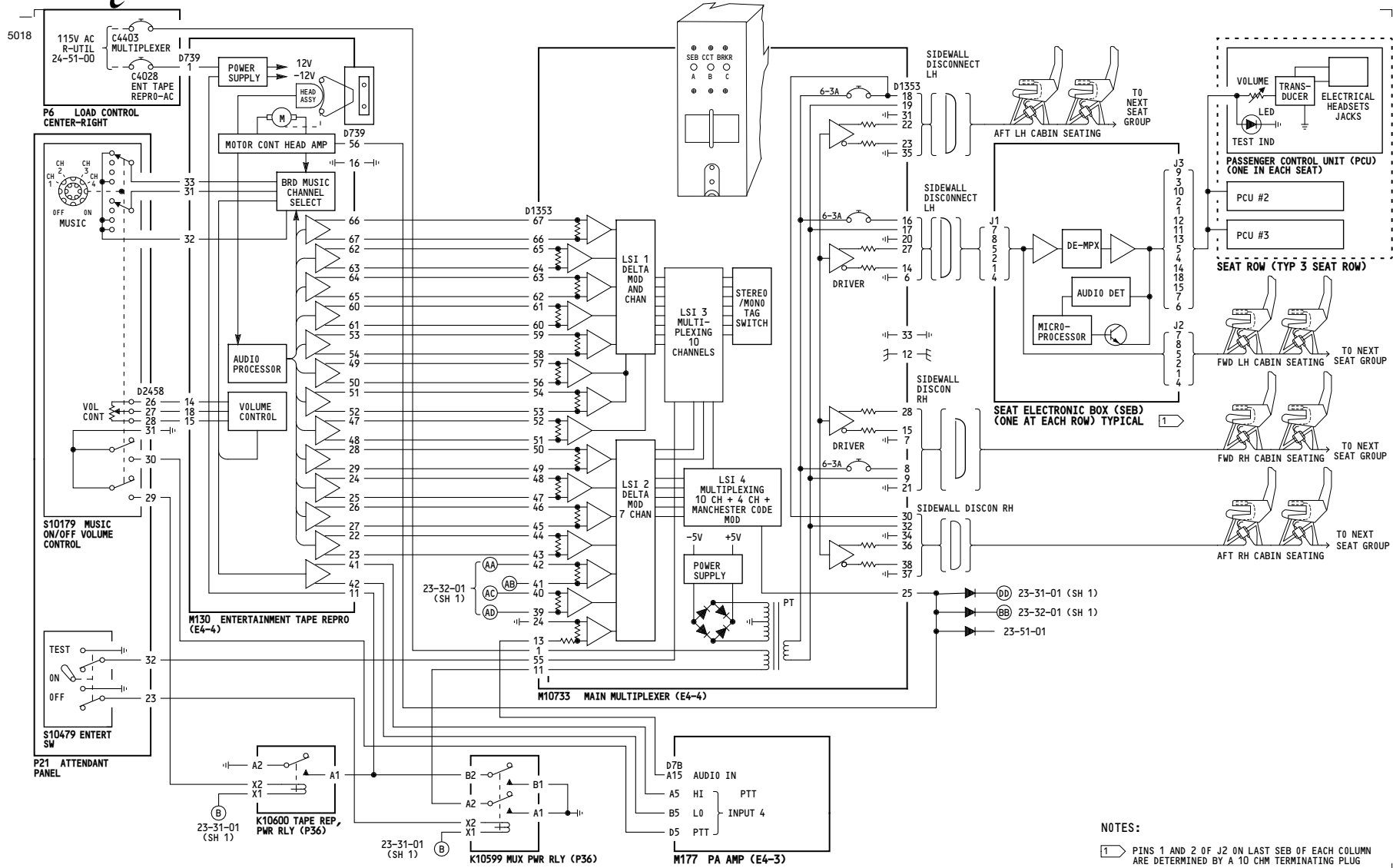
PASSENGER ENTERTAINMENT

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NOTES:

1 PINS 1 AND 2 OF J2 ON LAST SEB OF EACH COLUMN ARE DETERMINED BY A 10 CHM TERMINATING PLUG

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PASSENGER ENTERTAINMENT

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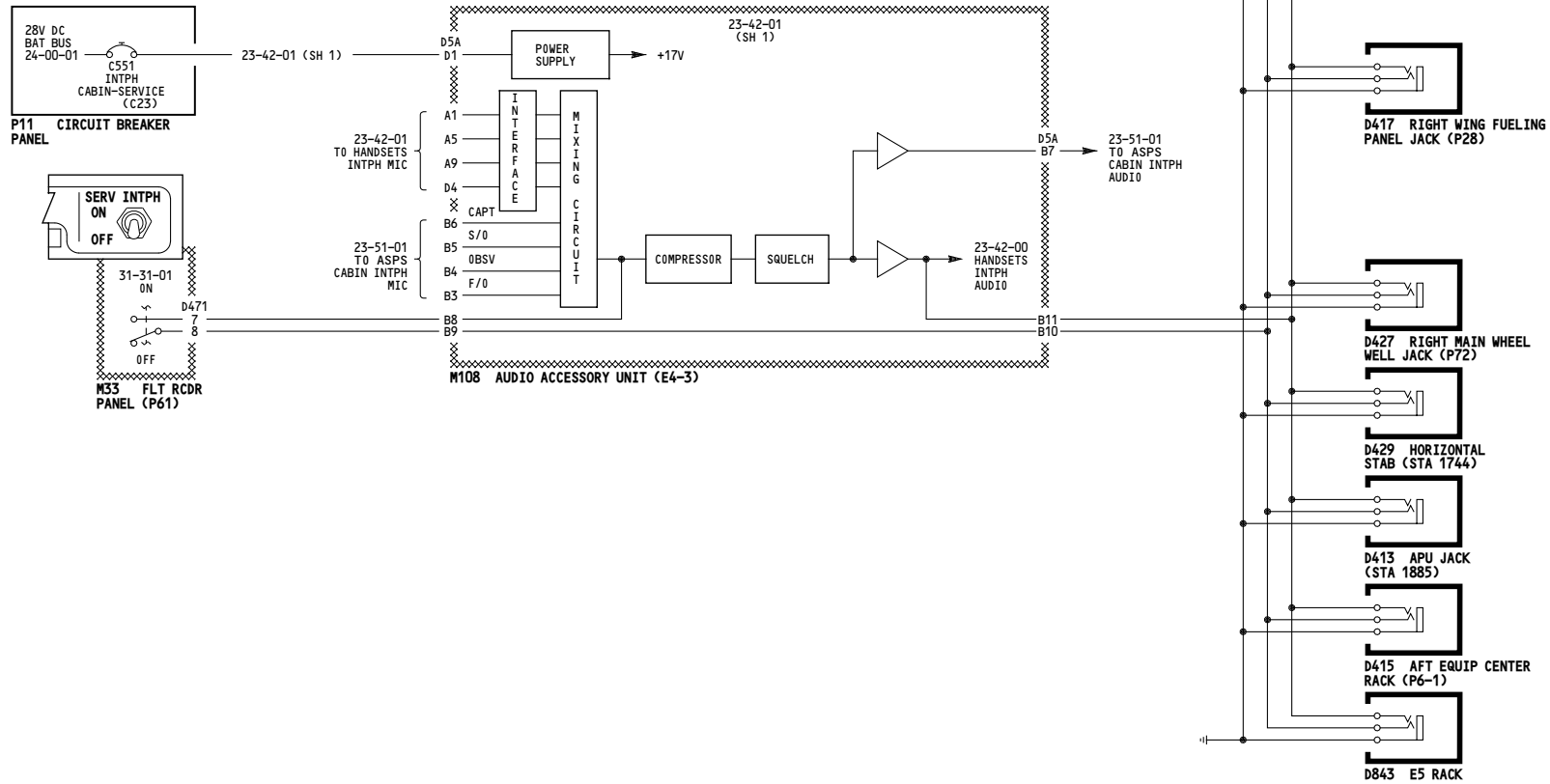
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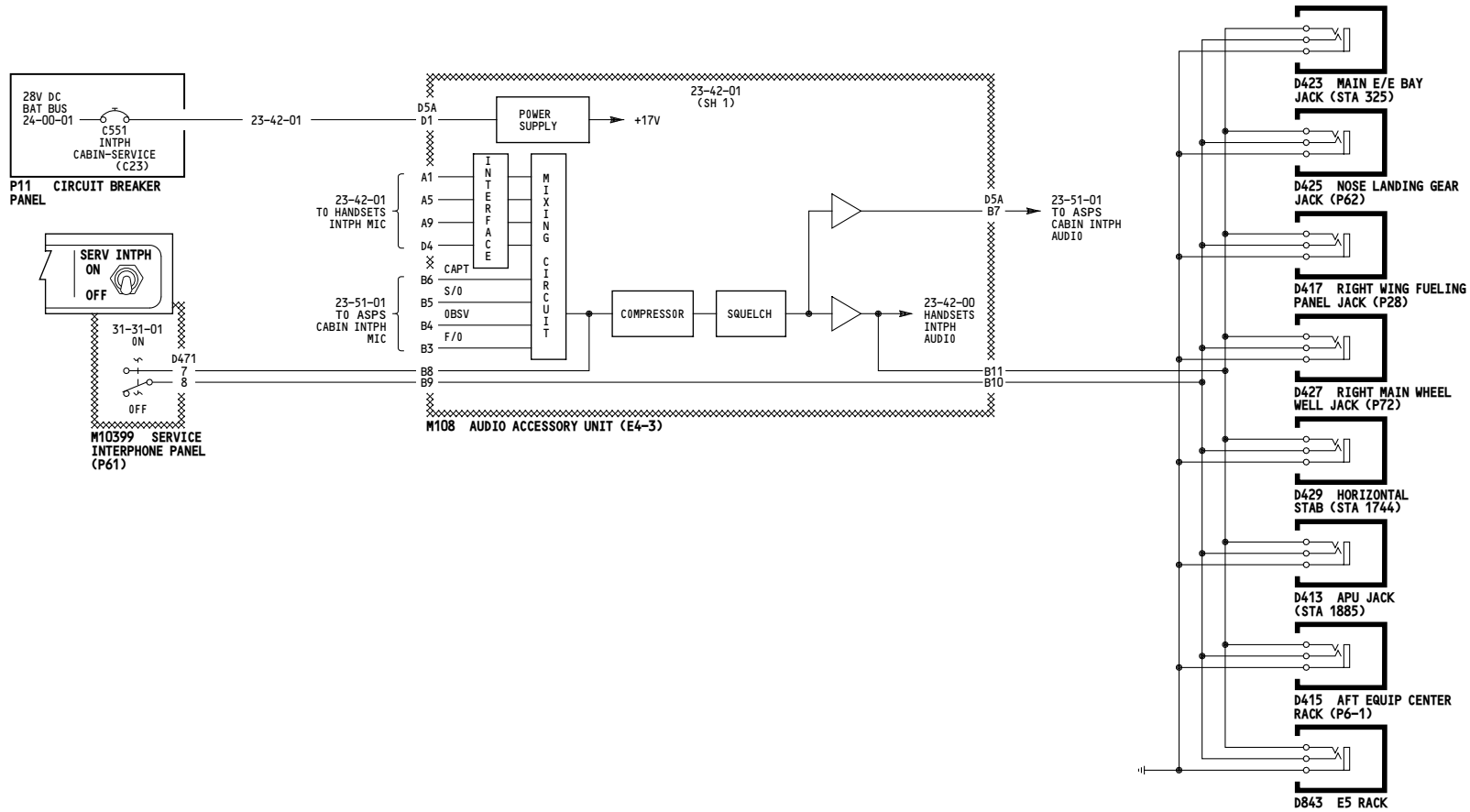
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WIRING DIAGRAMS
23-41-11



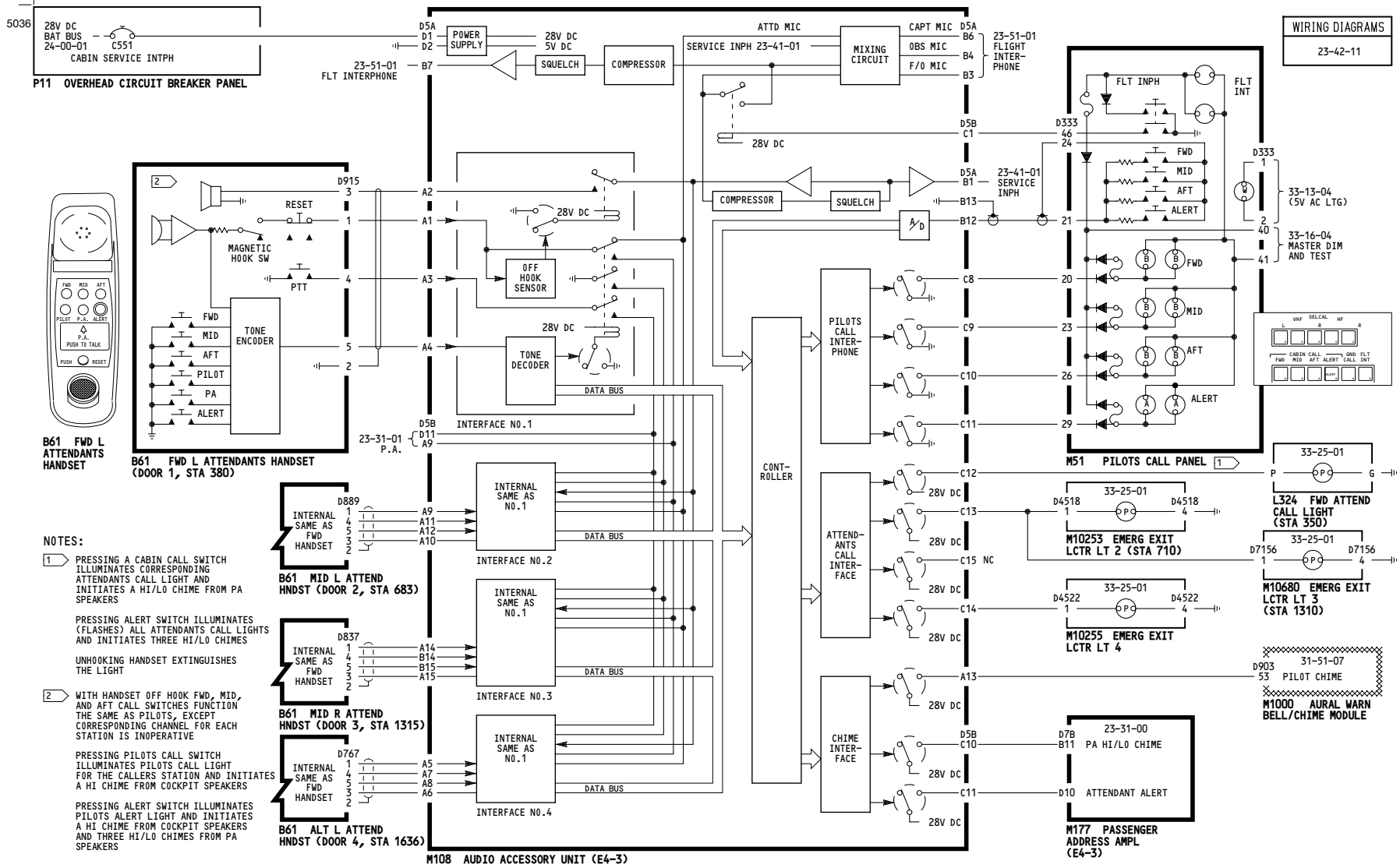
001-099	<p align="center">SERVICE INTERPHONE</p> <p align="center">D280N032S</p>
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23-41-01



115-199	<p align="center">SERVICE INTERPHONE</p> <p align="center">D280N032S</p>
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23-41-01

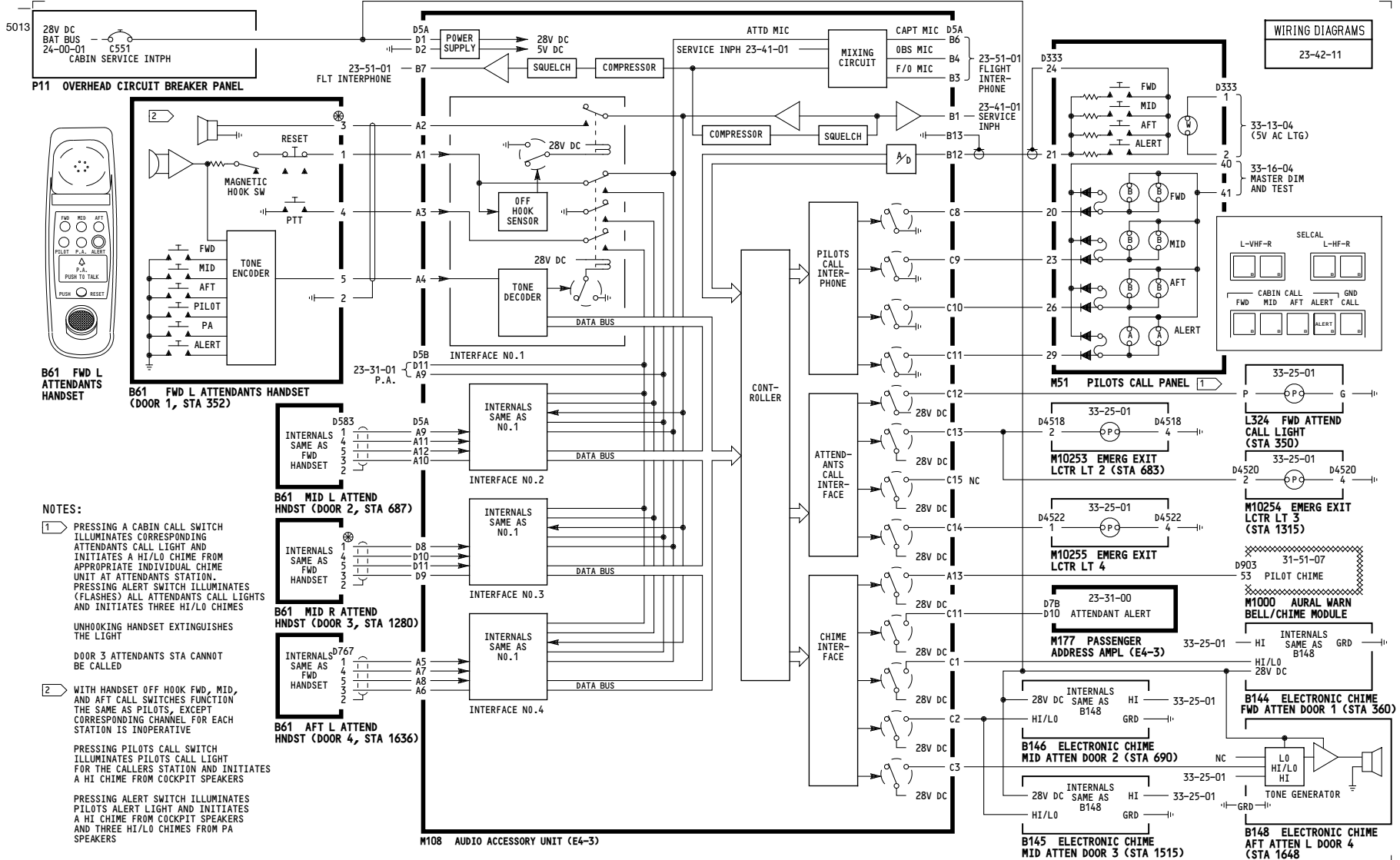


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CABIN INTERPHONE

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23-42-01



115-199

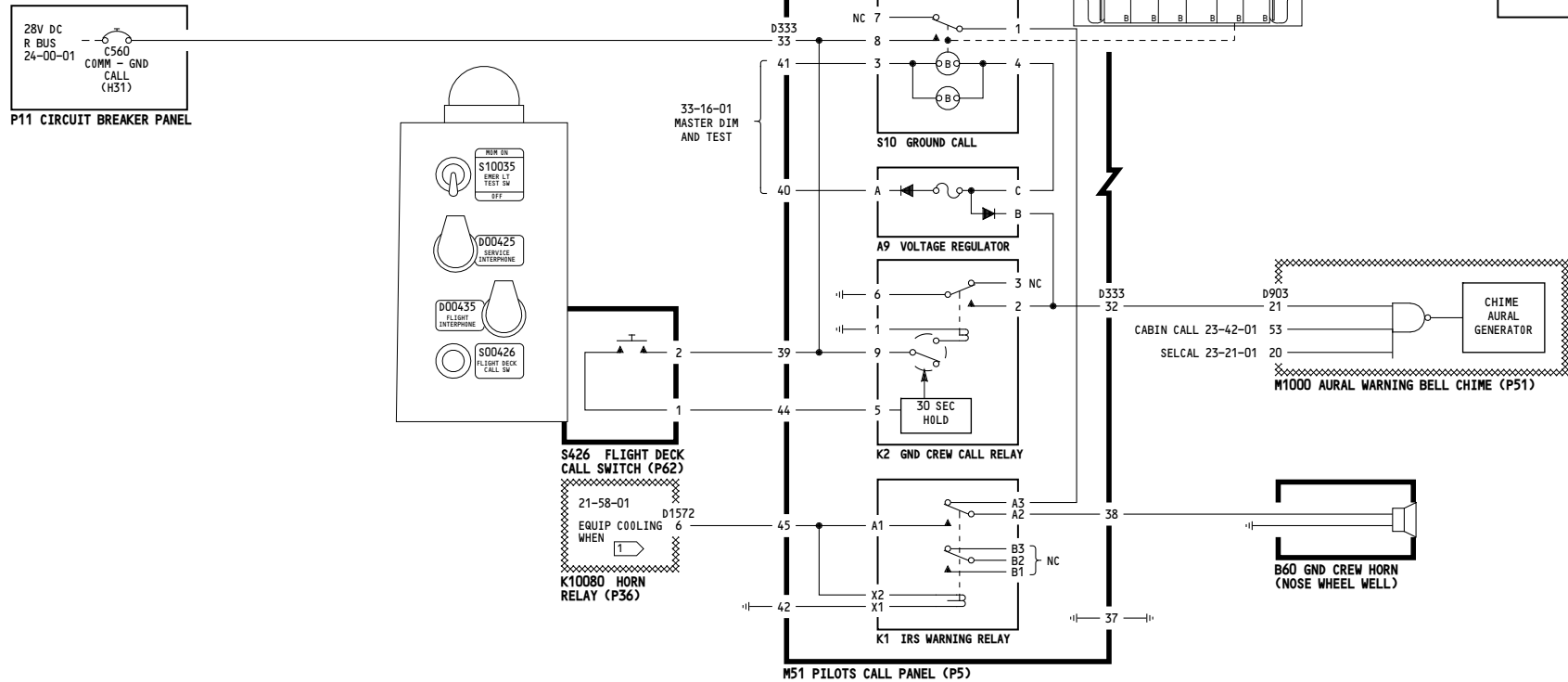
CABIN INTERPHONE

D280N032S

23-42-01

-A
5015

WIRING DIAGRAMS
21-58-11
23-43-11



NOTES:

1. EQUIPMENT COOLING SYSTEM PROVIDES 28V DC PMR TO GND CREW HORN FOR ON GROUND OPERATIONS WHEN:
- ONE OR MORE IRS ARE IN ALIGN, NAV OR ATT MODES AND EQUIPMENT COOLING FAILURE INDICATION SYSTEM IS NOT POWERED
 - EQUIPMENT COOLING, LOW AIR FLOW OR OVHT CONDITION EXISTS.
 - DURING TEST

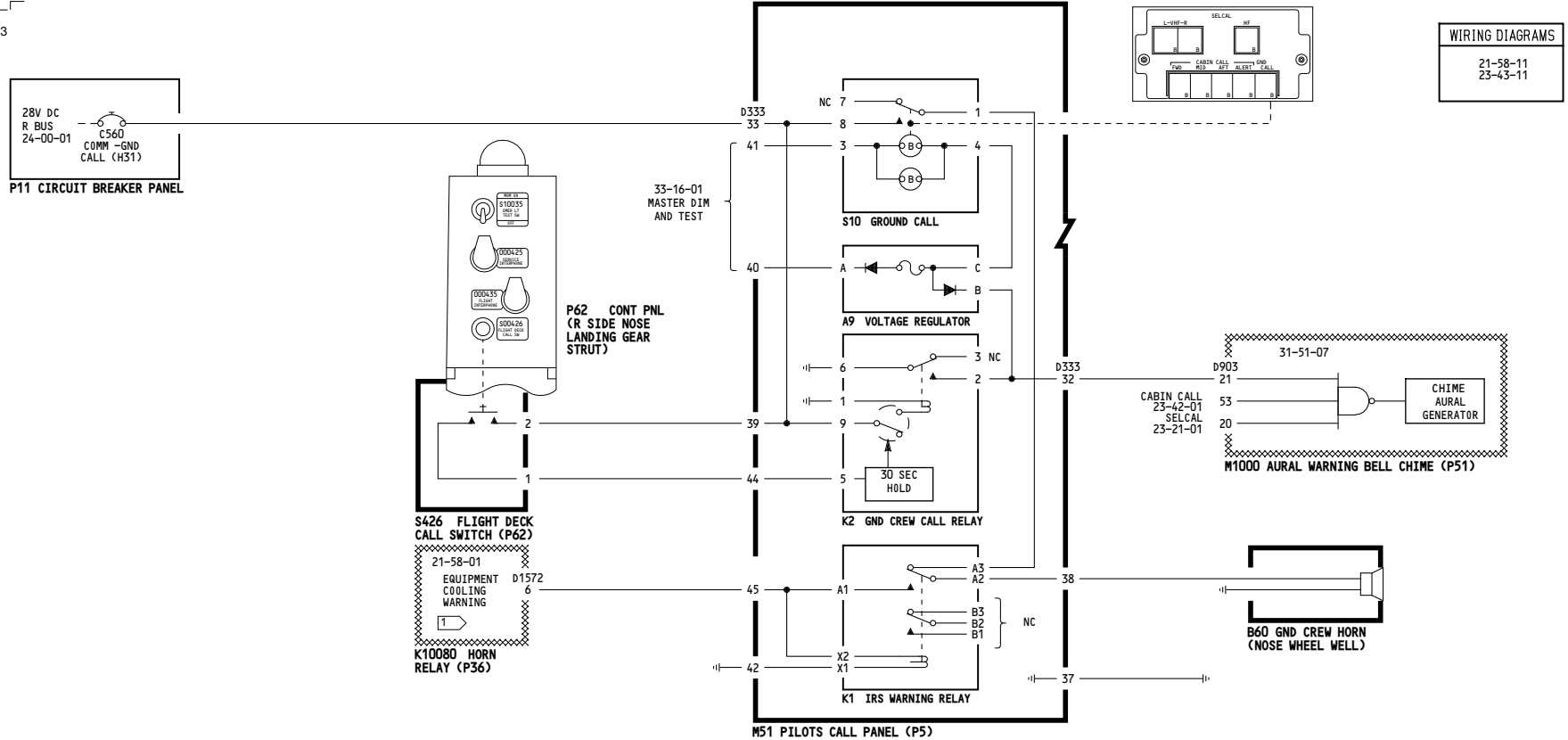
001-099	<p align="center">GROUND CREW CALL</p> <p align="center">D280N032S</p>
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23-43-01

Page 101

Jan 21/2005

5013



WIRING DIAGRAMS
21-58-11
23-43-11

NOTES:

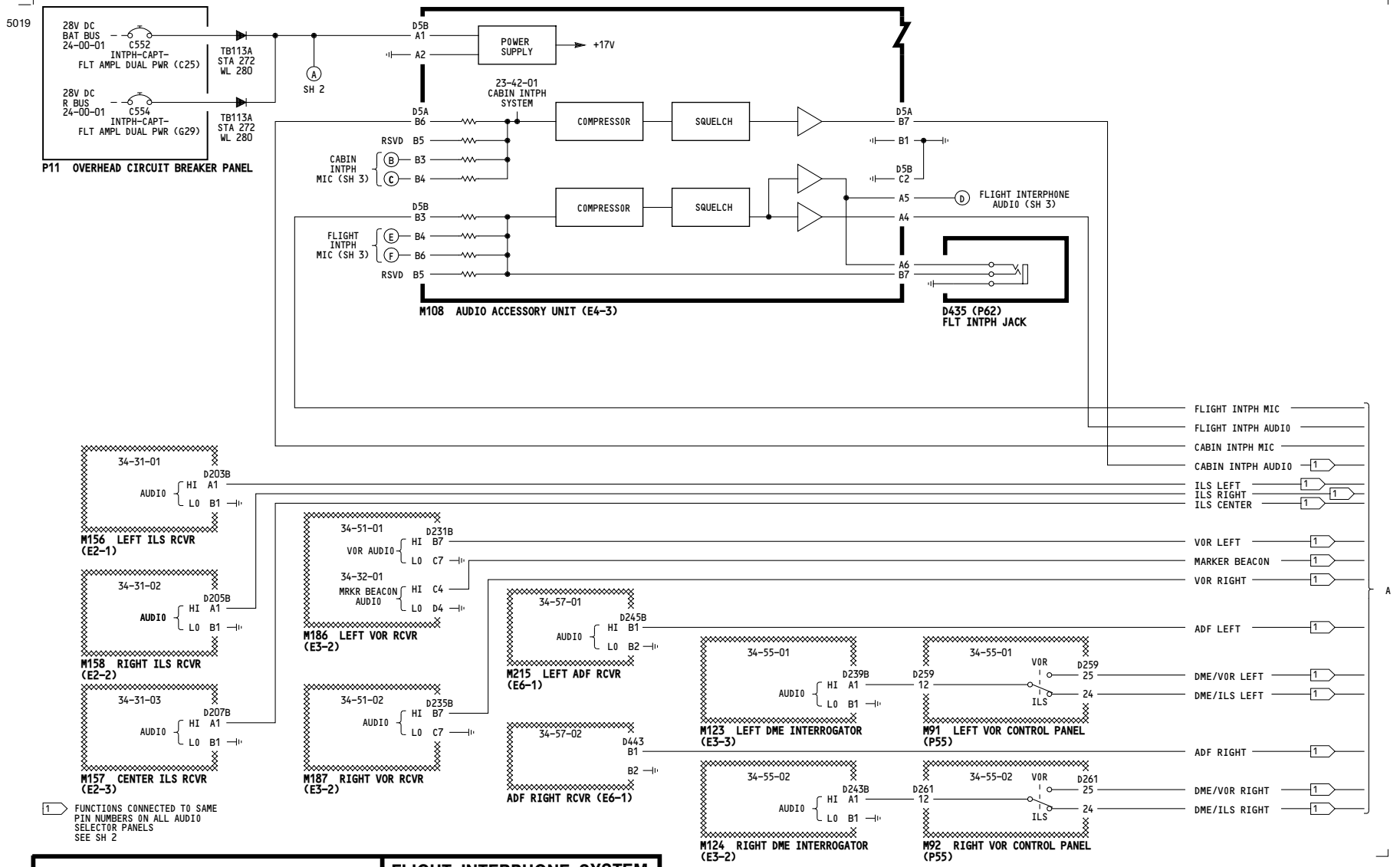
- 1. EQUIPMENT COOLING SYSTEM PROVIDES 28V DC POWER TO GROUND CREW HORN FOR ON GROUND OPERATION WHEN:
 1. ONE OR MORE IRS ARE IN ALIGN, NAV OR ATTD MODES AND EQUIPMENT COOLING FAILURE INDICATION SYSTEM IS NOT POWERED
 2. EQUIPMENT COOLING, LOW AIR FLOW OR OVERHEAT CONDITION EXISTS
 3. DURING TEST

115-199	GROUND CREW CALL
	D280N032S

23-43-01

Page 102

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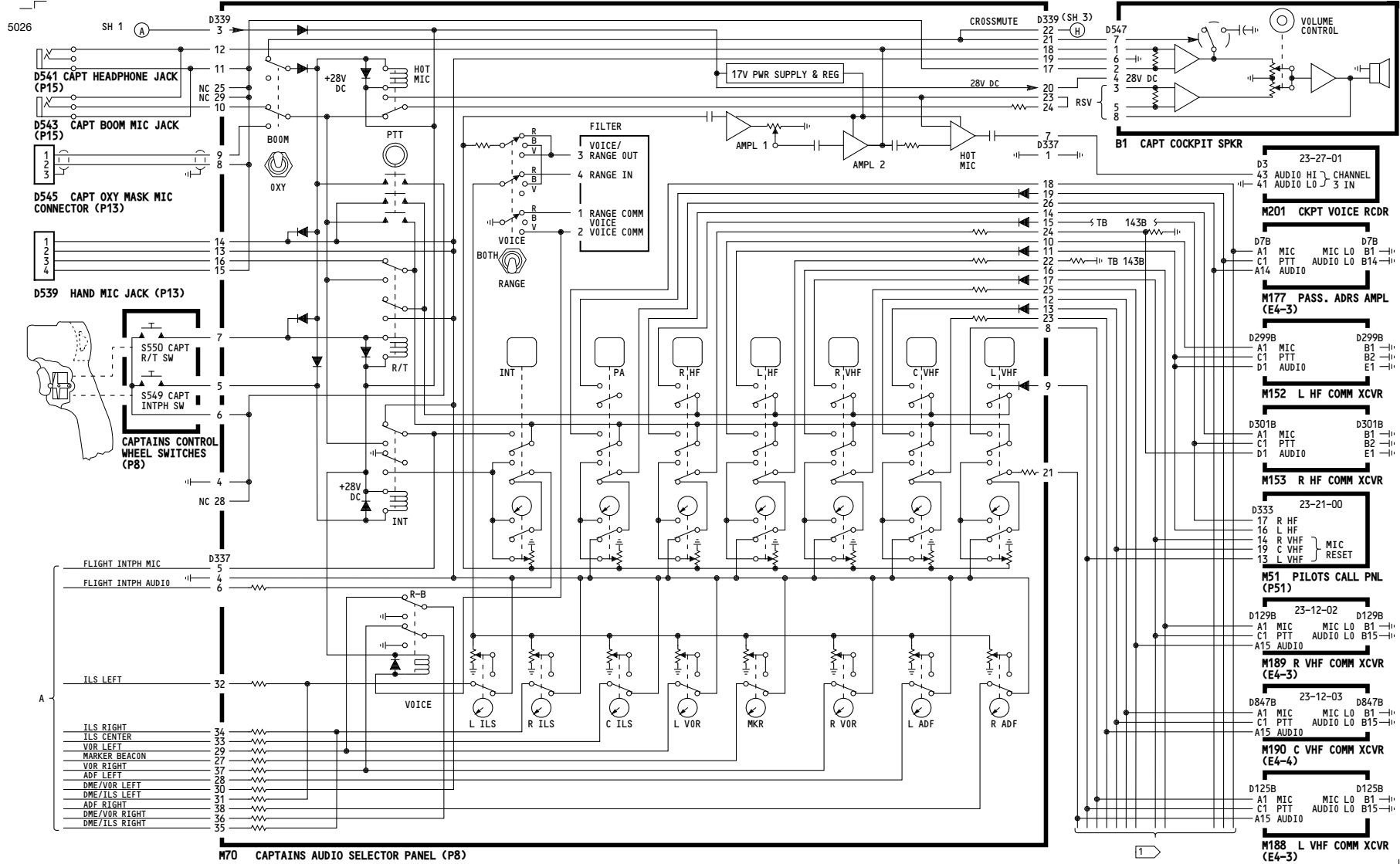


001-008, 010-099

FLIGHT INTERPHONE SYSTEM

D280N032S

23-51-01

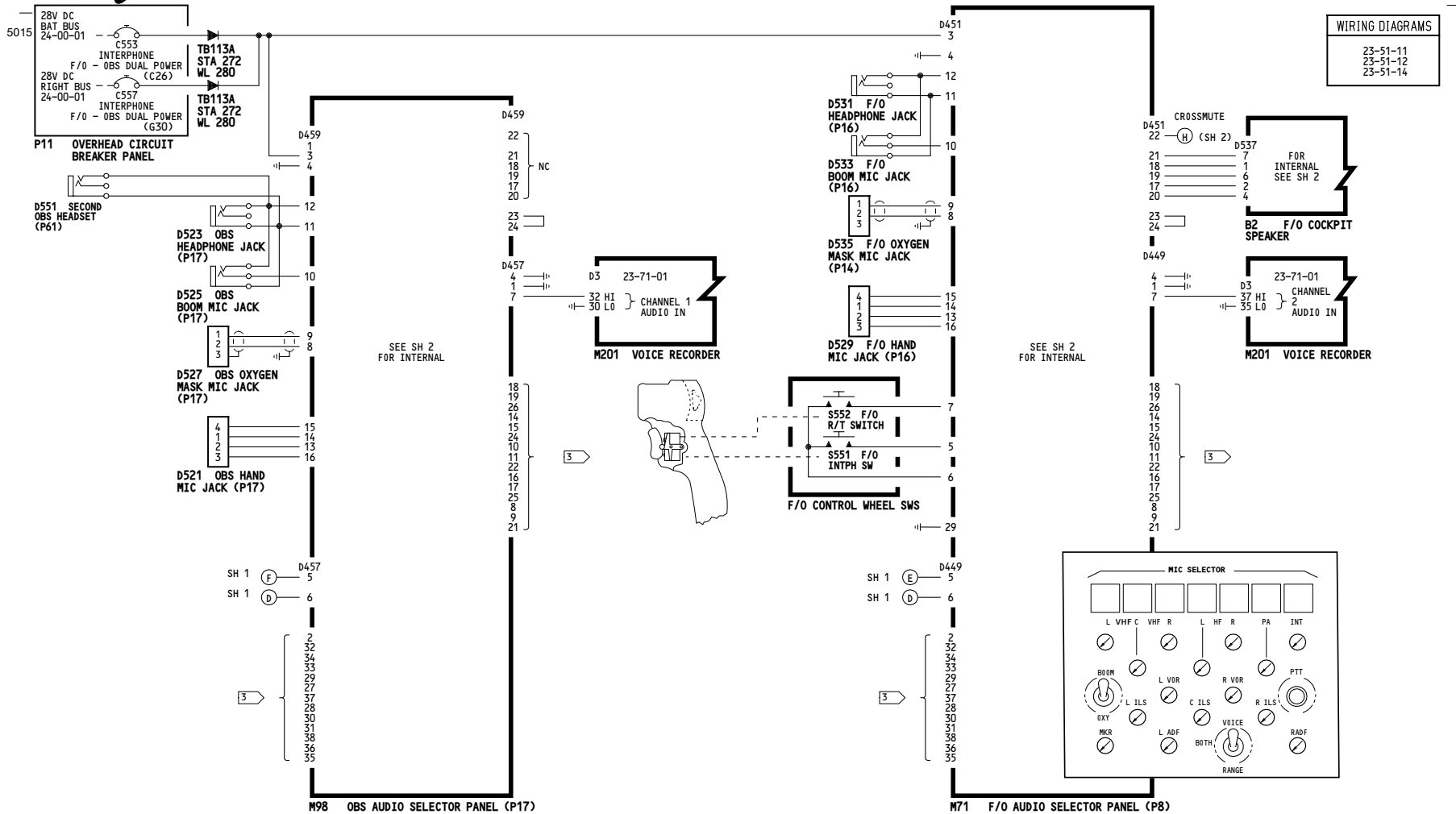


001-008, 010-099

FLIGHT INTERPHONE SYSTEM

D280N032S

23-51-01

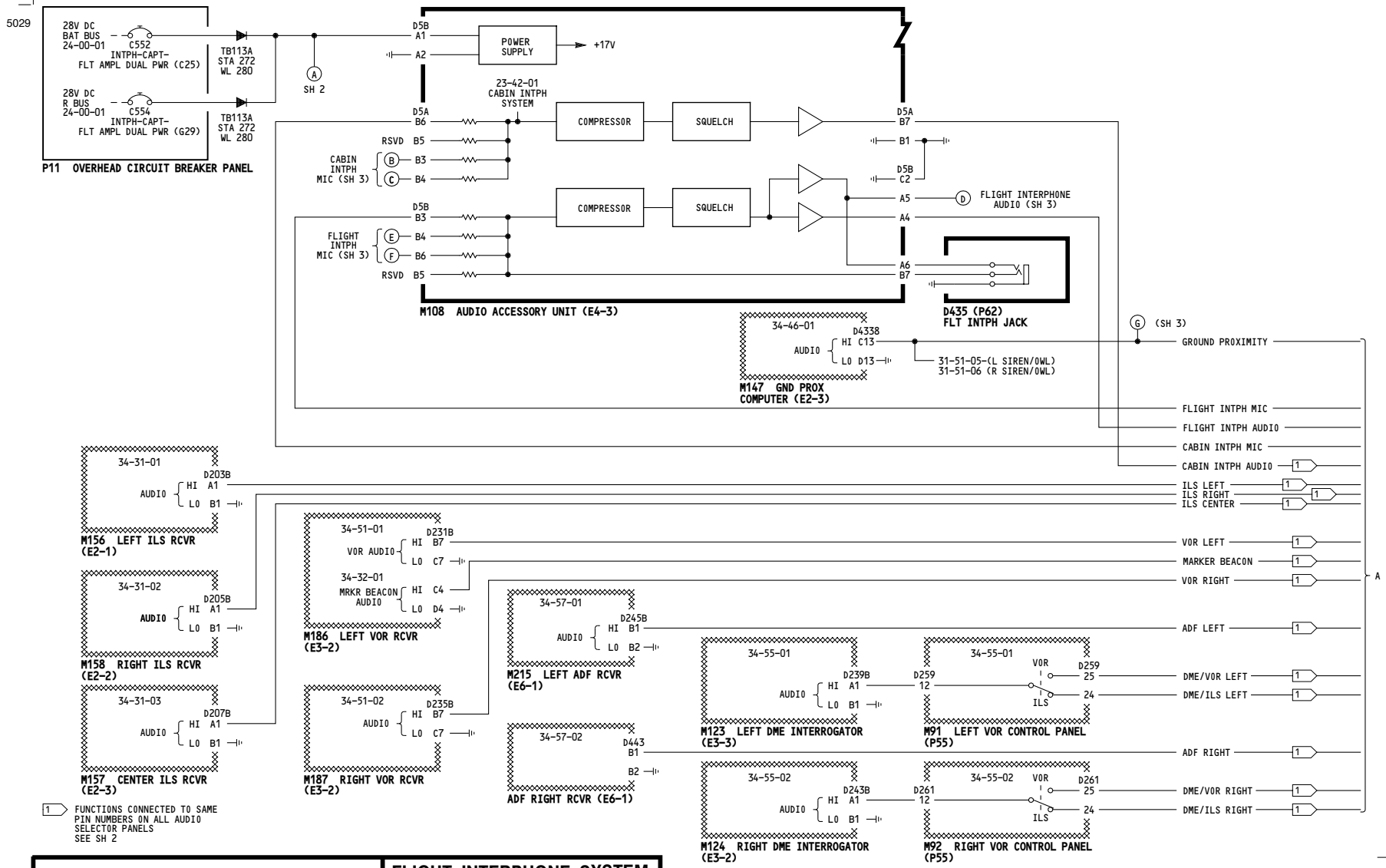


NOTE:
 [3] CONNECTED TO SAME PINS ON ALL AUDIO SELECTOR PANELS. SEE SH 2 FOR CIRCUIT FUNCTIONS.

001-008, 010-099	FLIGHT INTERPHONE SYSTEM
D280N032S	

23-51-01

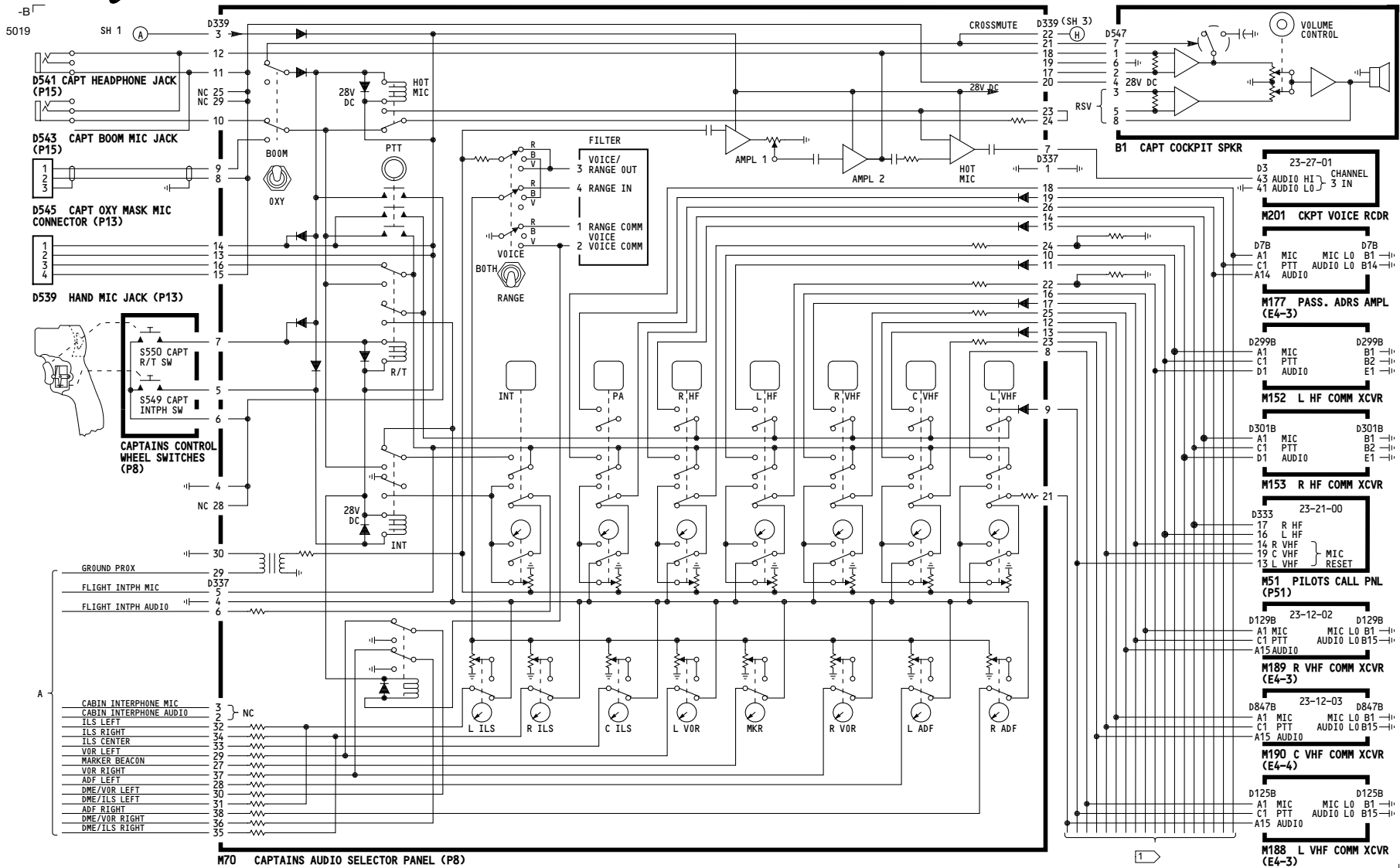
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1 FUNCTIONS CONNECTED TO SAME PIN NUMBERS ON ALL AUDIO SELECTOR PANELS SEE SH 2

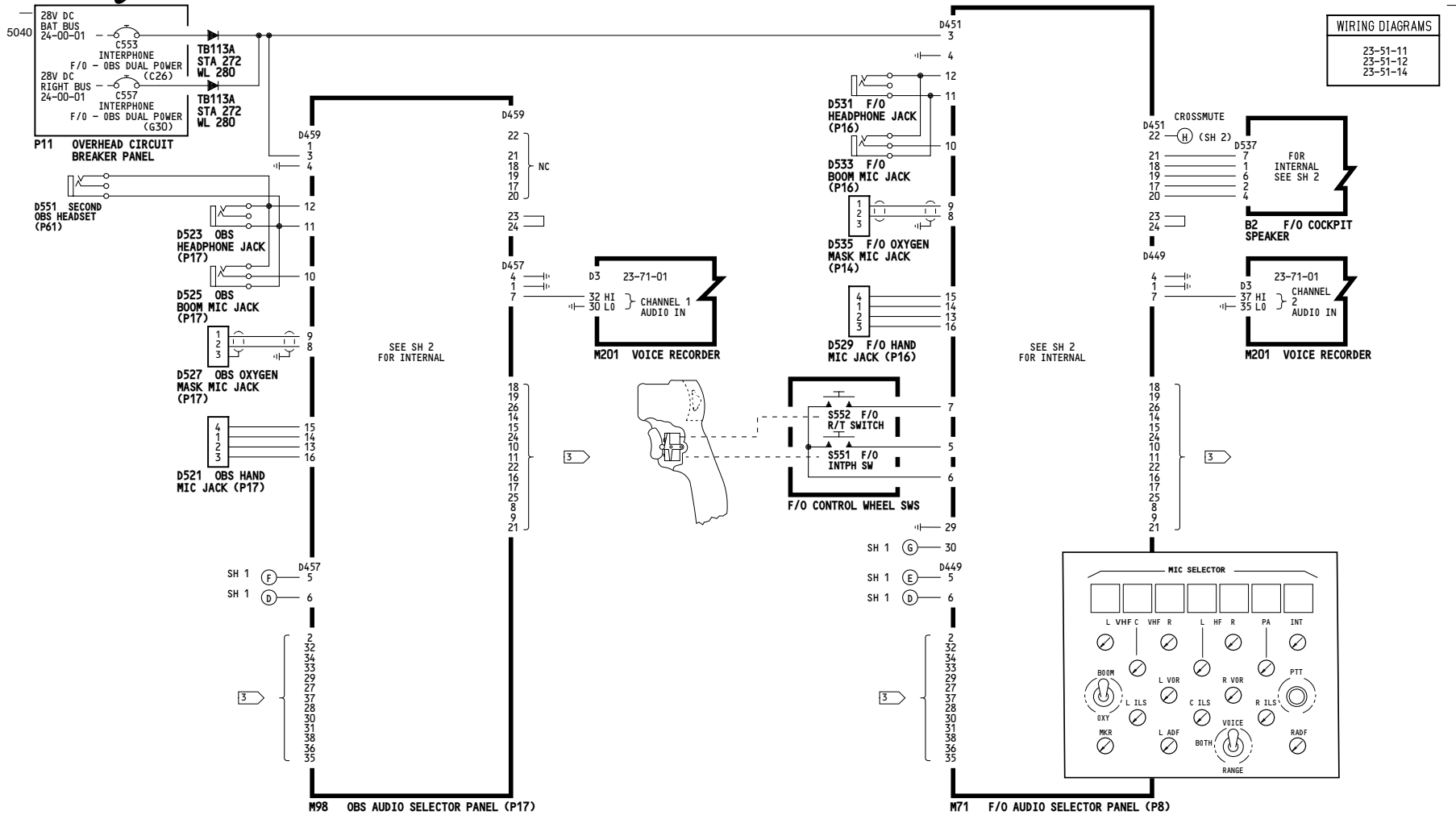
009	FLIGHT INTERPHONE SYSTEM
D280N032S	

23-51-01



009	FLIGHT INTERPHONE SYSTEM
D280N032S	

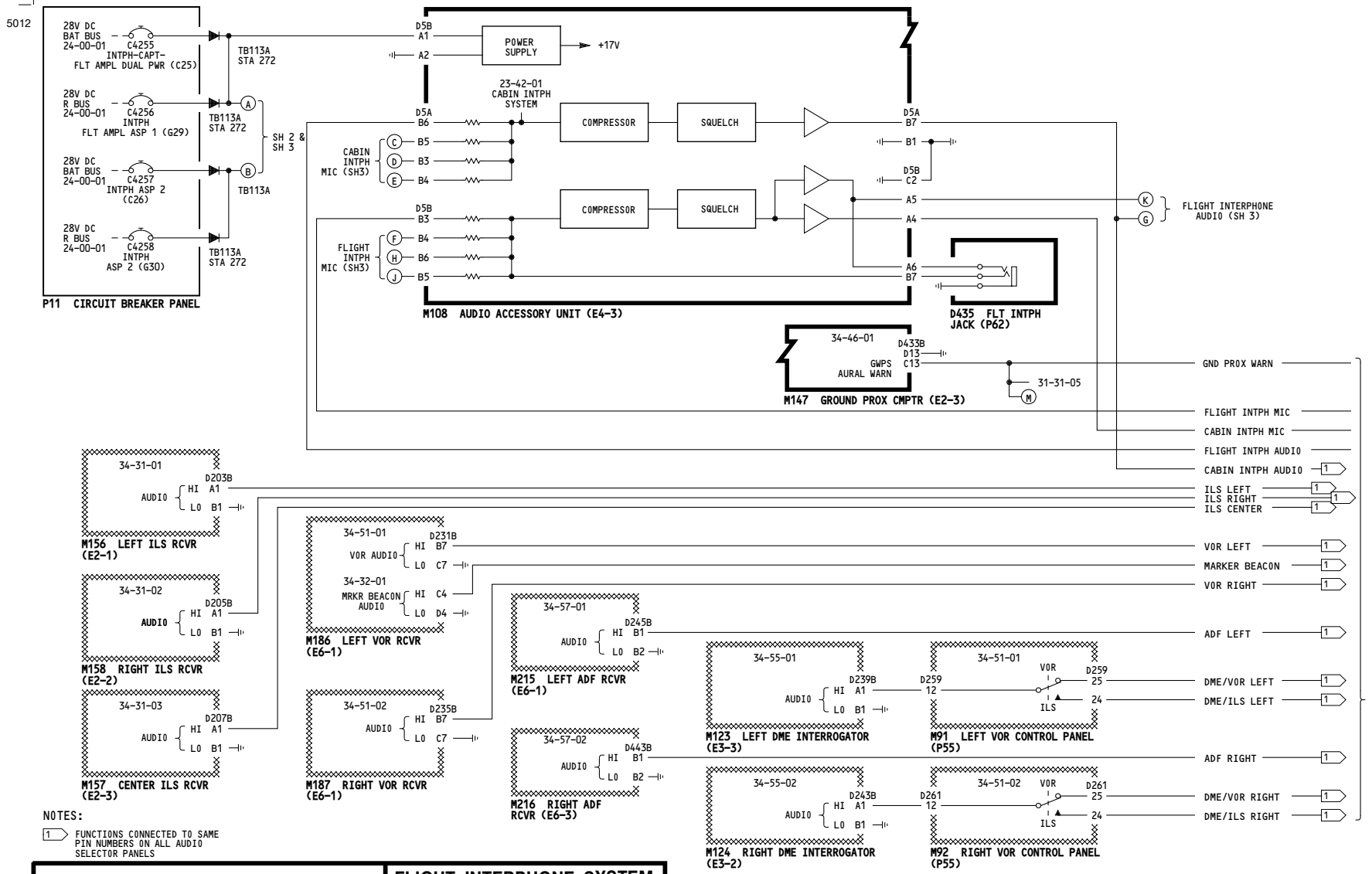
23-51-01



NOTE:
[3] CONNECTED TO SAME PINS ON ALL AUDIO SELECTOR PANELS. SEE SH 2 FOR CIRCUIT FUNCTIONS.

009	FLIGHT INTERPHONE SYSTEM
D280N032S	

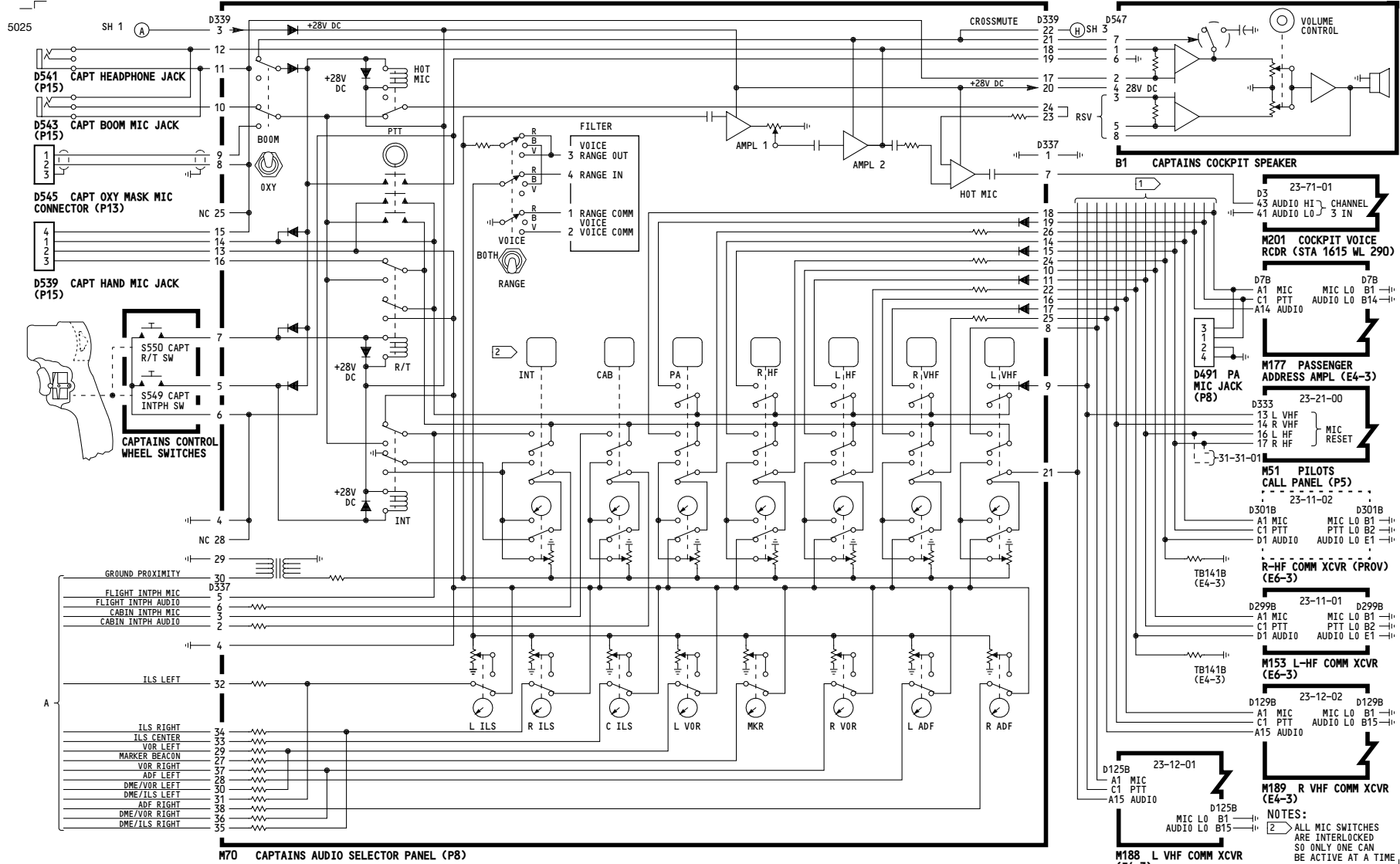
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NOTES:
 1 FUNCTIONS CONNECTED TO SAME PIN NUMBERS ON ALL AUDIO SELECTOR PANELS

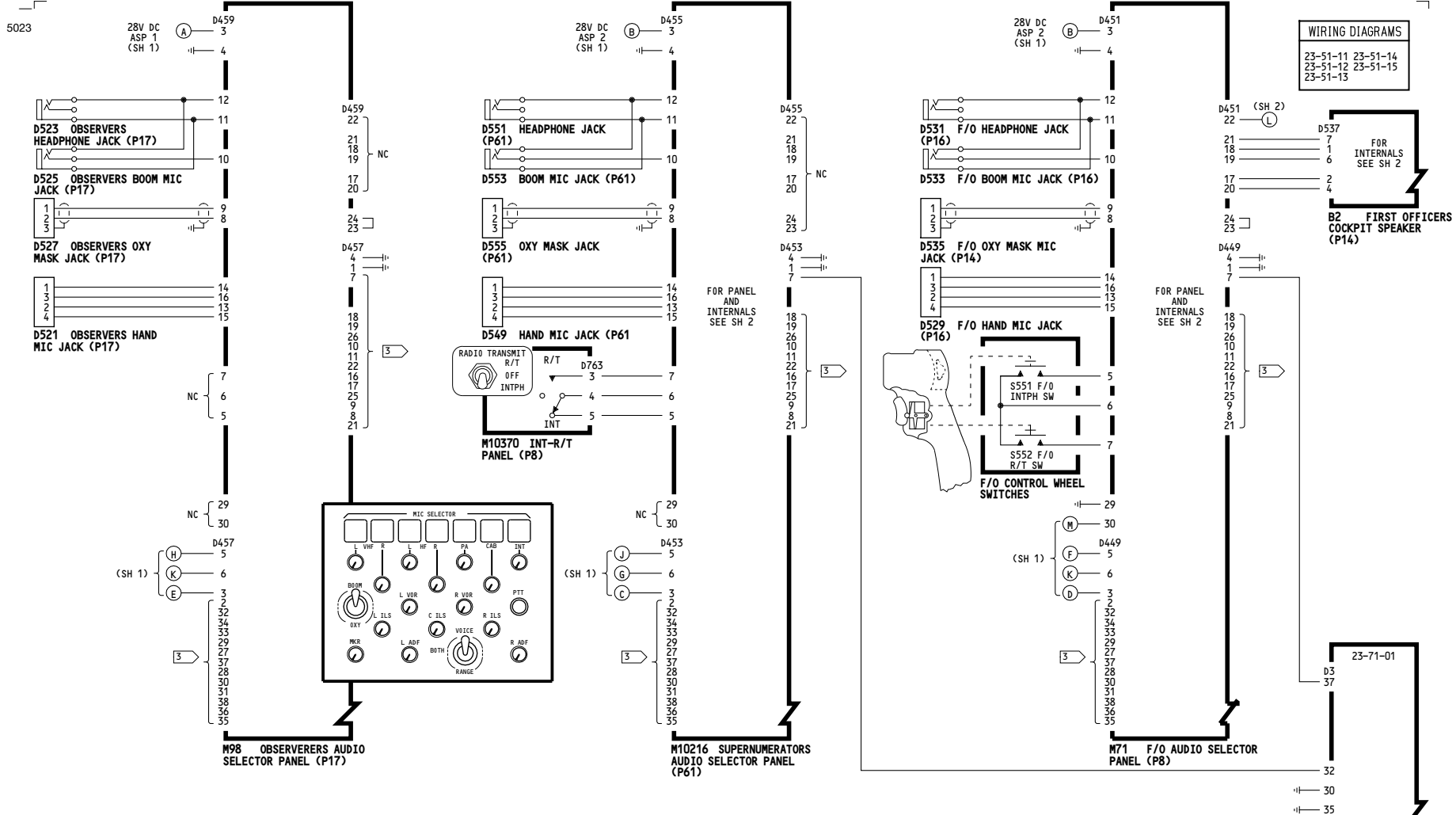
115-199	FLIGHT INTERPHONE SYSTEM
D280N032S	

23-51-01



115-199	FLIGHT INTERPHONE SYSTEM
D280N032S	

23-51-01



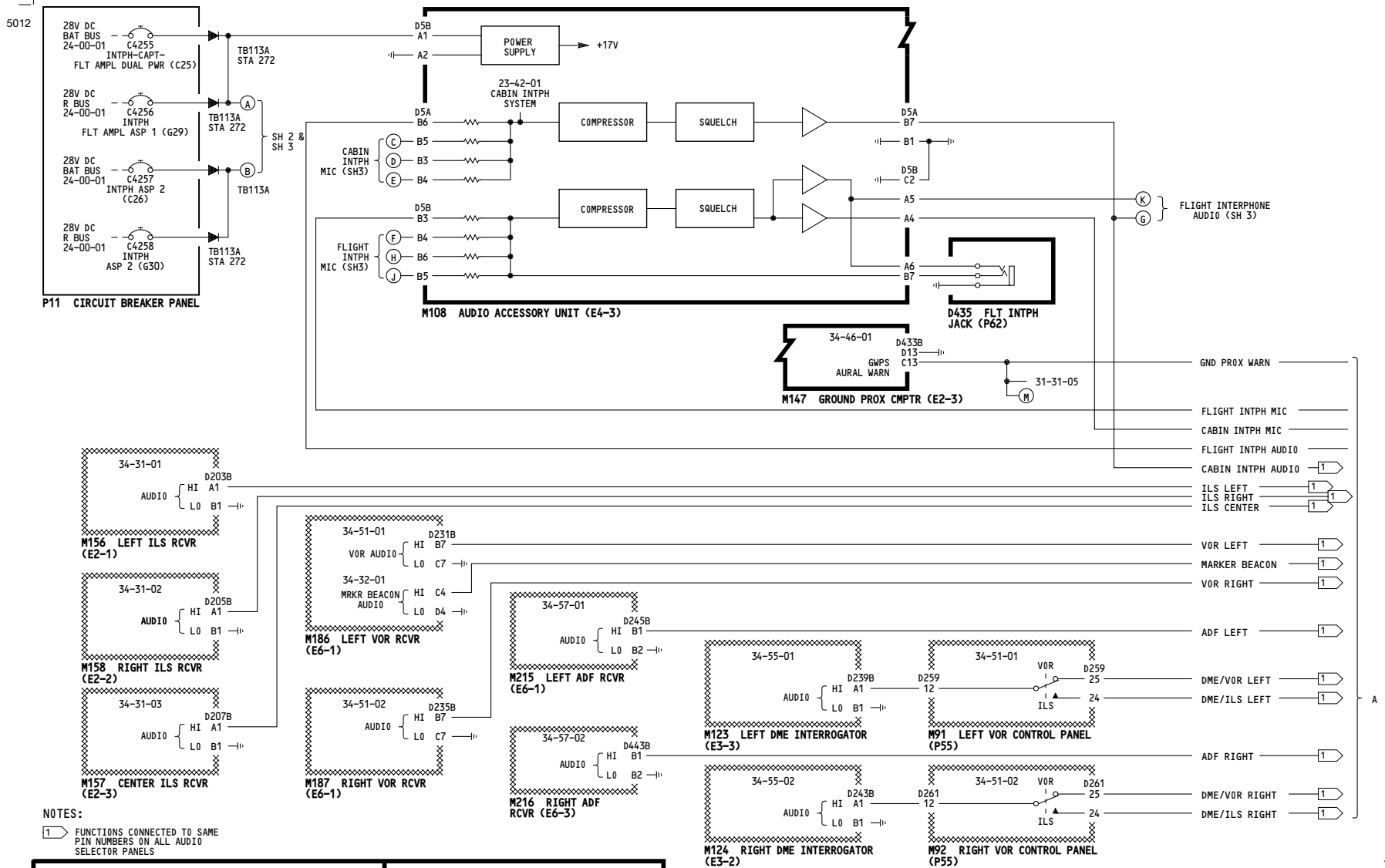
WIRING DIAGRAMS
 23-51-11 23-51-14
 23-51-12 23-51-15
 23-51-13

NOTES:
 [3] SEE SHEET 2 FOR CONNECTION FUNCTIONS
 FUNCTIONS CONNECTED TO SAME
 PIN NUMBERS ON ALL AUDIO SELECTOR
 PANELS

115-199	FLIGHT INTERPHONE SYSTEM
D280N032S	

23-51-01

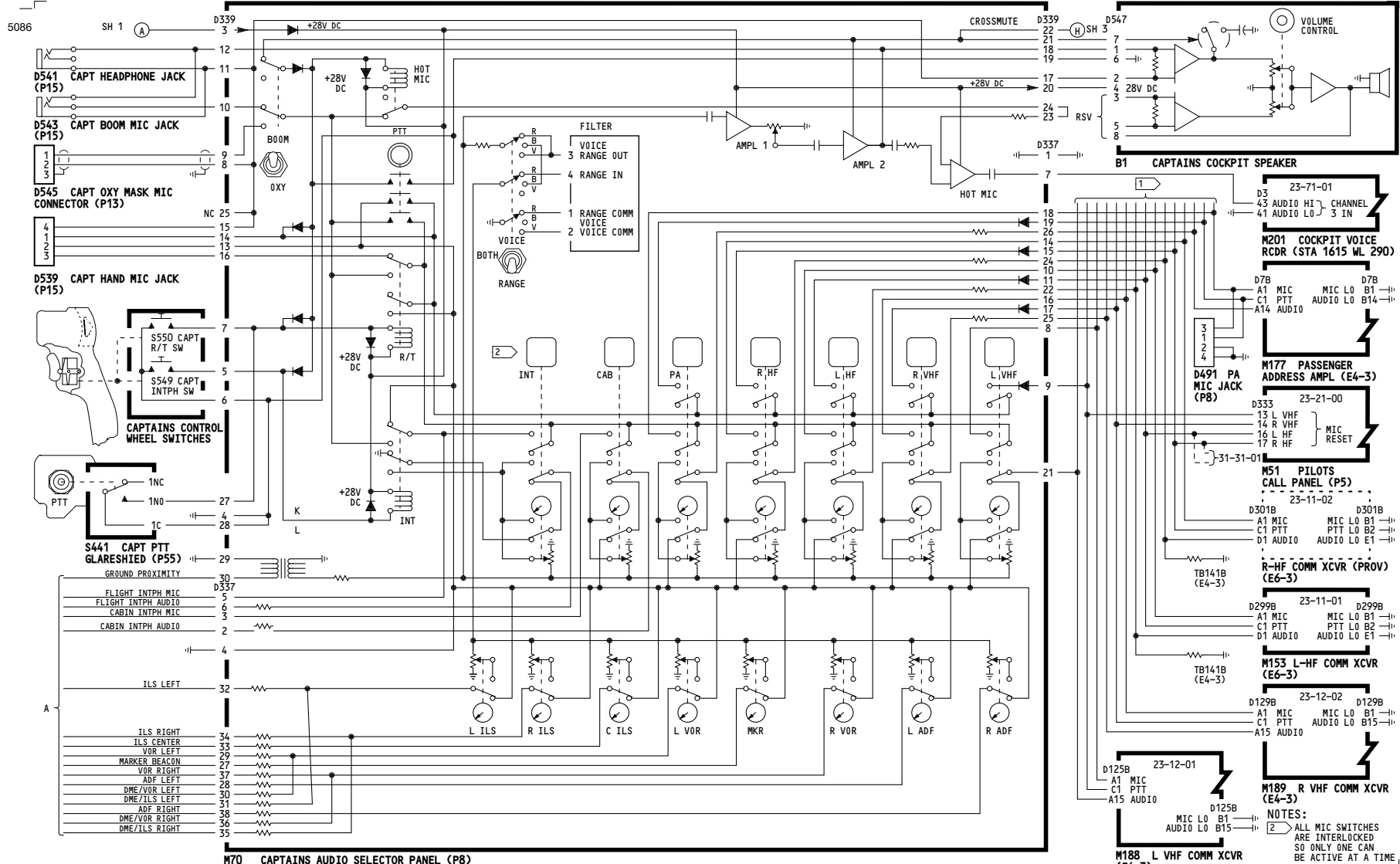
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NOTES:
1 FUNCTIONS CONNECTED TO SAME PIN NUMBERS ON ALL AUDIO SELECTOR PANELS

115	FLIGHT INTERPHONE SYSTEM
D280N032S	

23-51-01



115

FLIGHT INTERPHONE SYSTEM

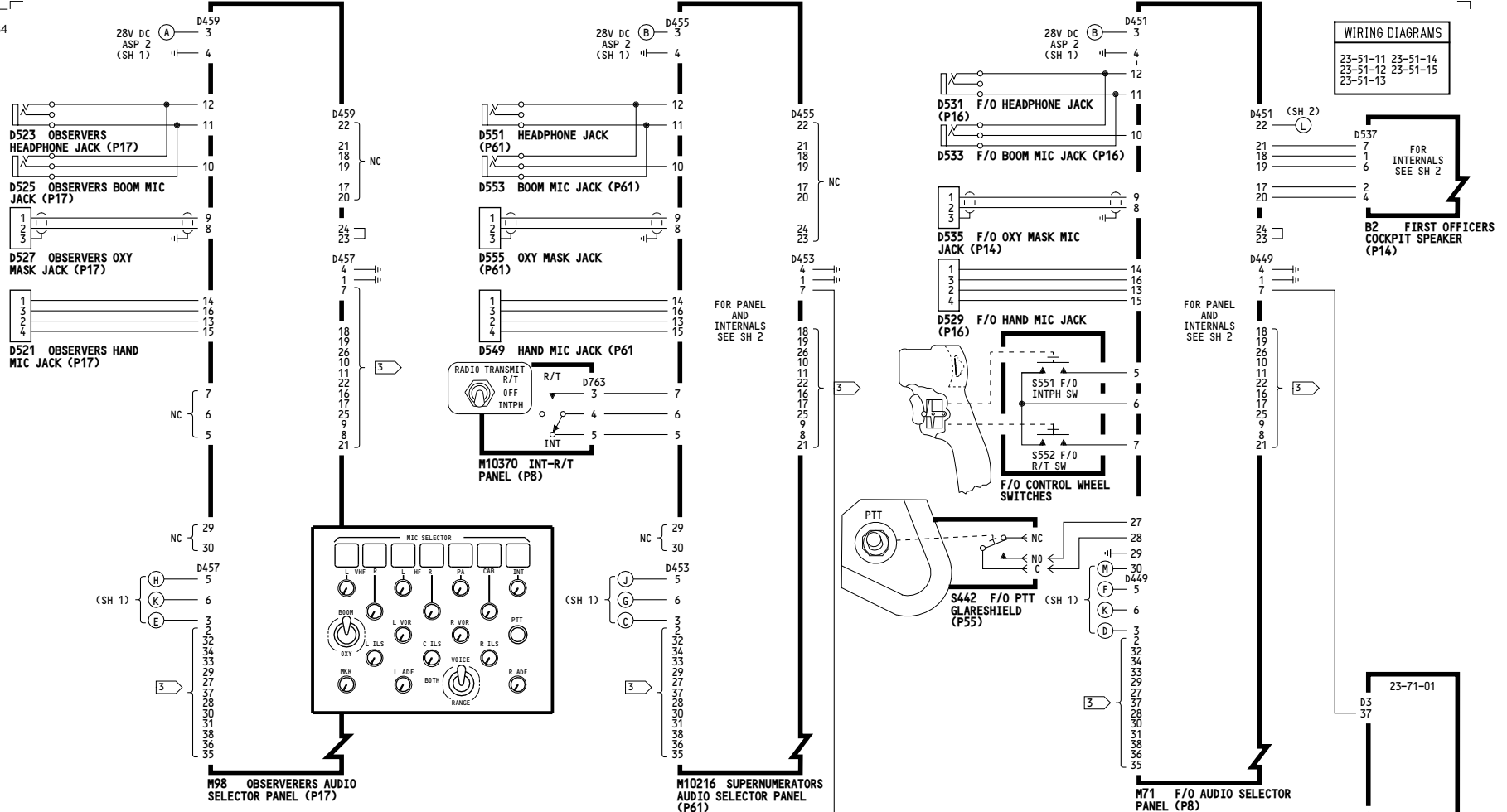
Incorporates
 23-0101

D280N032S

NOTES:
 [Z] ALL MIC SWITCHES ARE INTERLOCKED SO ONLY ONE CAN BE ACTIVE AT A TIME.

23-51-01

5084



WIRING DIAGRAMS
 23-51-11 23-51-14
 23-51-12 23-51-15
 23-51-13

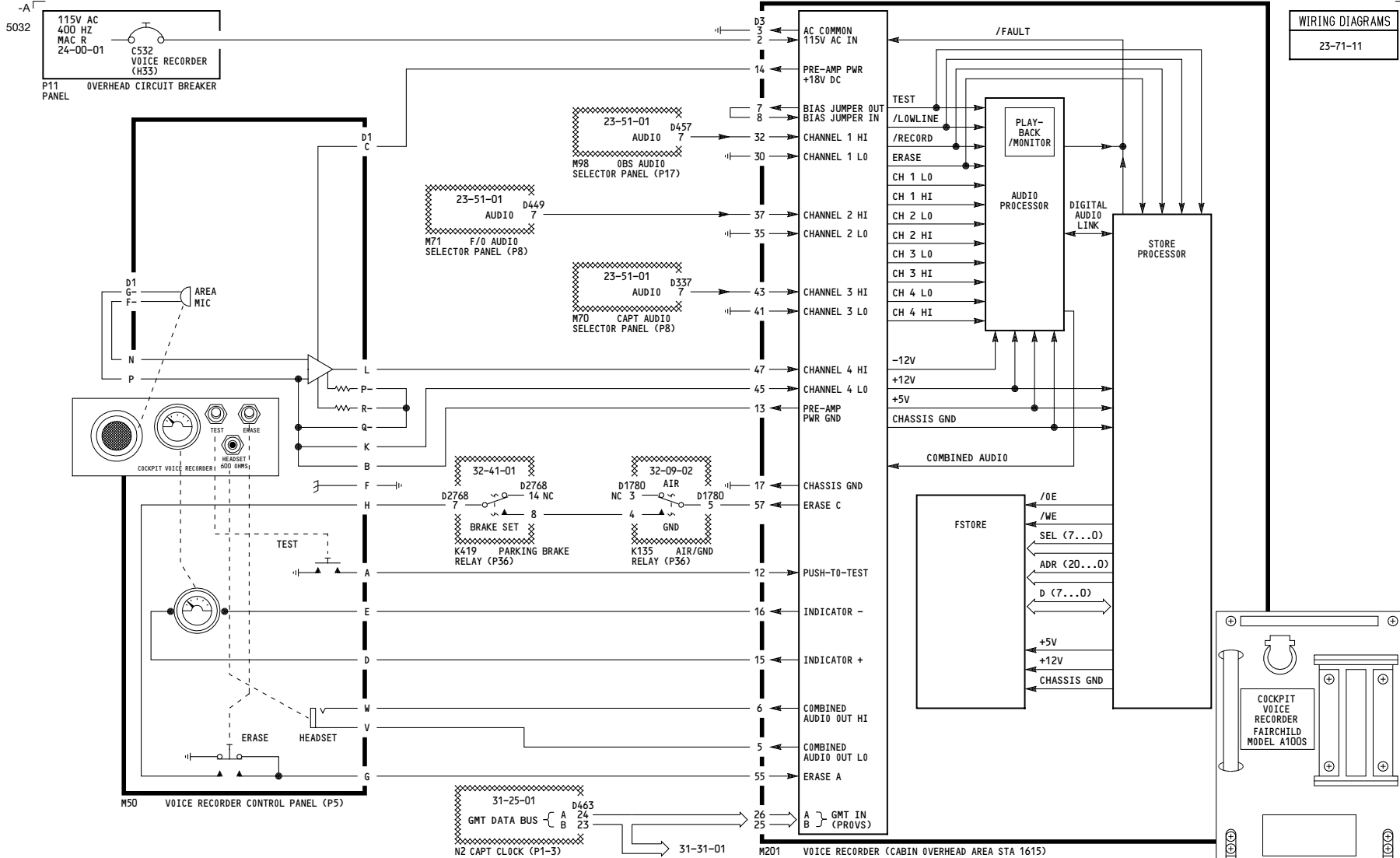
B2 FIRST OFFICERS COCKPIT SPEAKER (P14)
 FOR INTERNALS SEE SH 2

M201 VOICE RECORDER (STA 1630 CABIN OVERHEAD AREA)
 23-71-01

NOTES:
 [3] SEE SHEET 2 FOR CONNECTION FUNCTIONS FUNCTIONS CONNECTED TO SAME PIN NUMBERS ON ALL AUDIO SELECTOR PANELS

115	FLIGHT INTERPHONE SYSTEM
	Incorporates 23-0101
	D280N032S

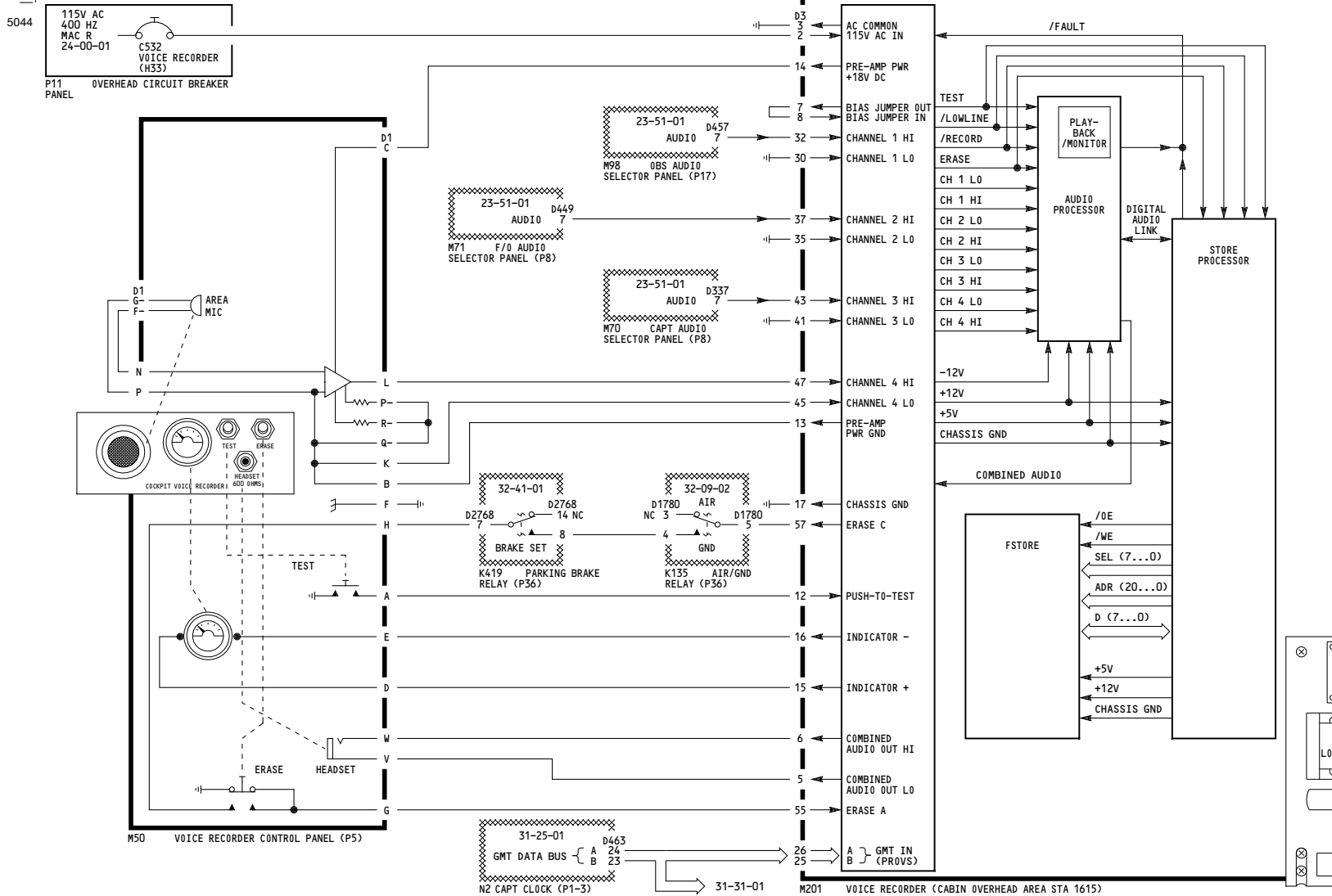
23-51-01



001	VOICE RECORDER
	D280N032S

23-71-01

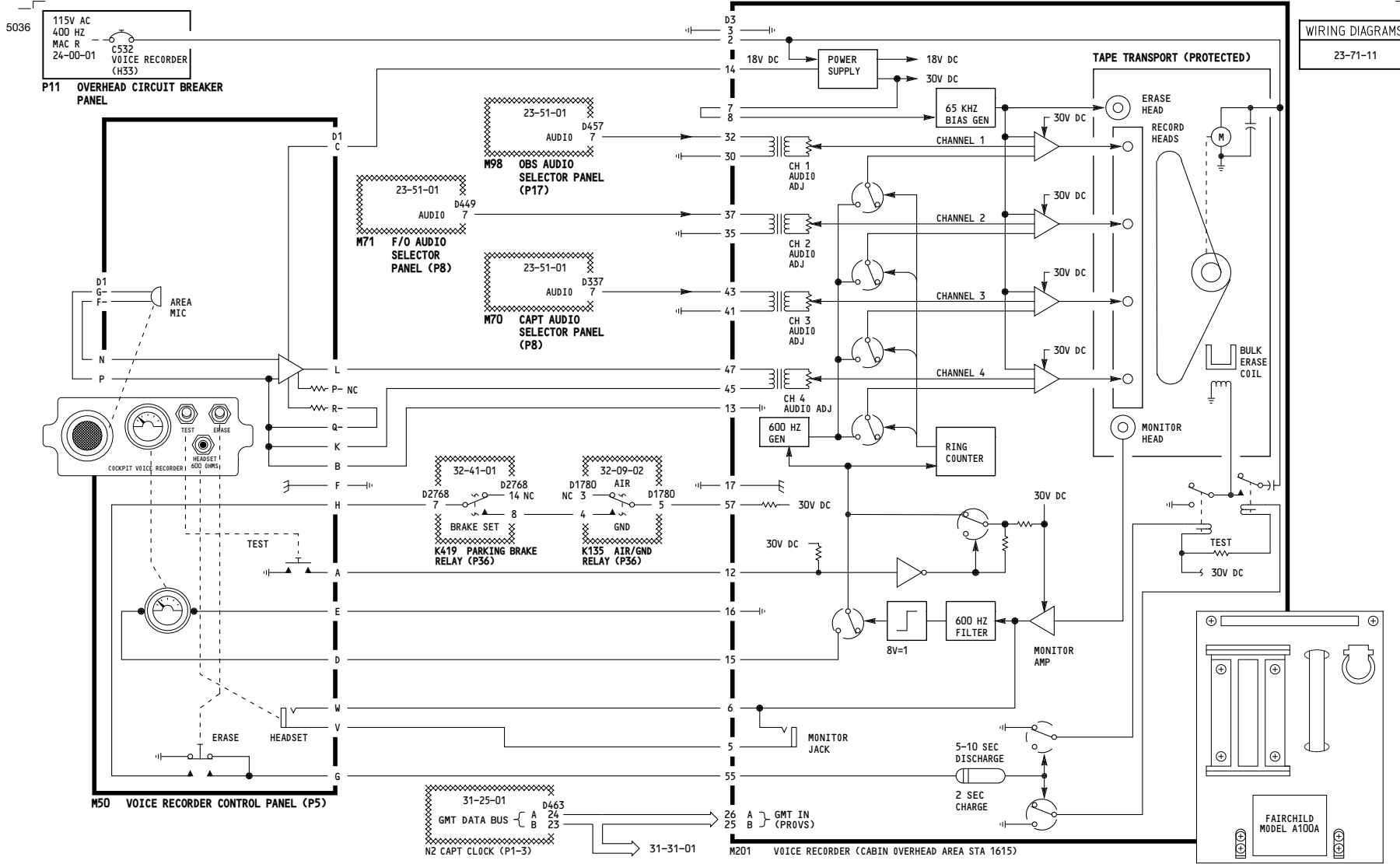
WIRING DIAGRAMS
23-71-11



002-008	VOICE RECORDER
D280N032S	

23-71-01

WIRING DIAGRAMS
23-71-11

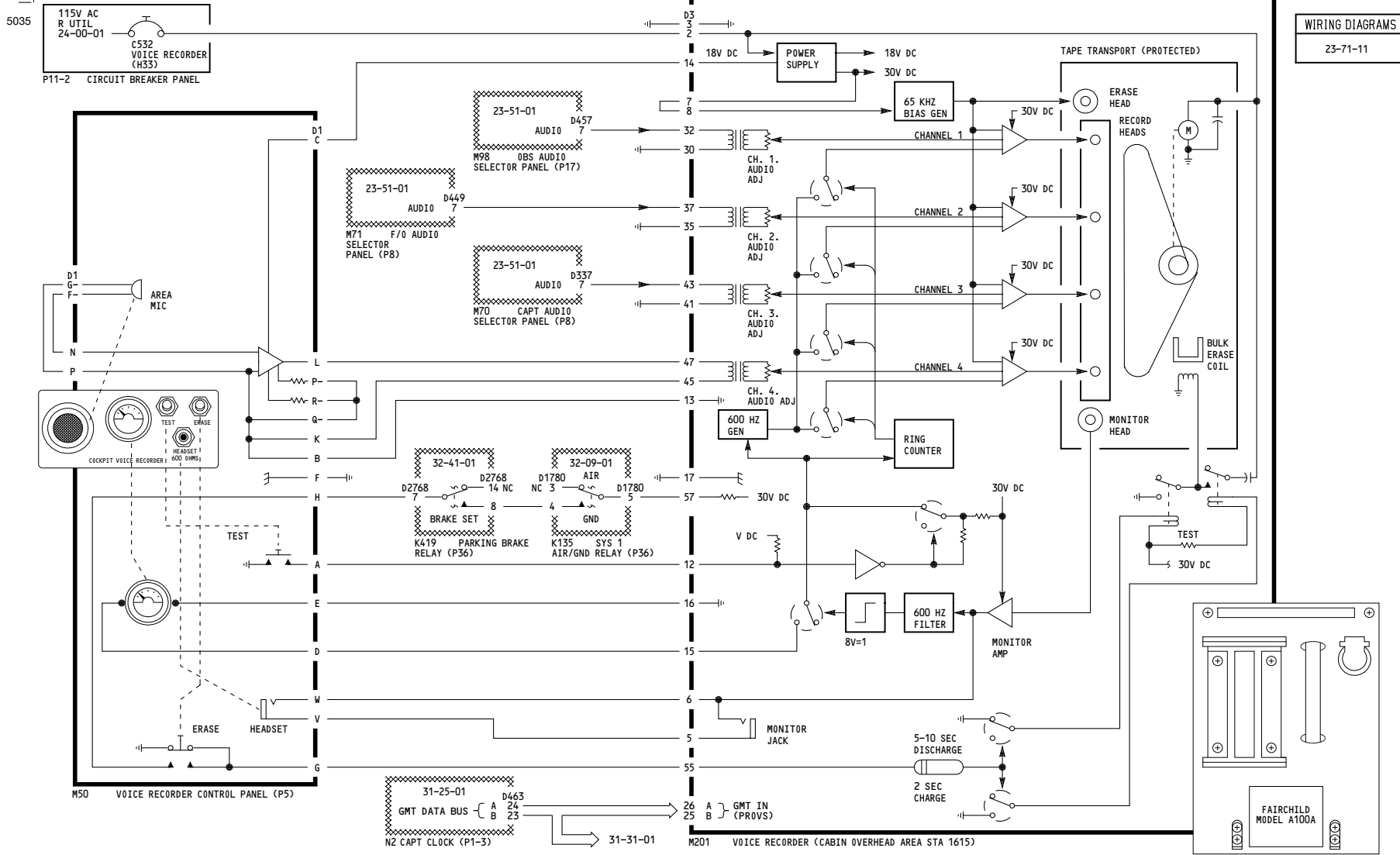


009	VOICE RECORDER
D280N032S	

23-71-01

WIRING DIAGRAMS

23-71-11

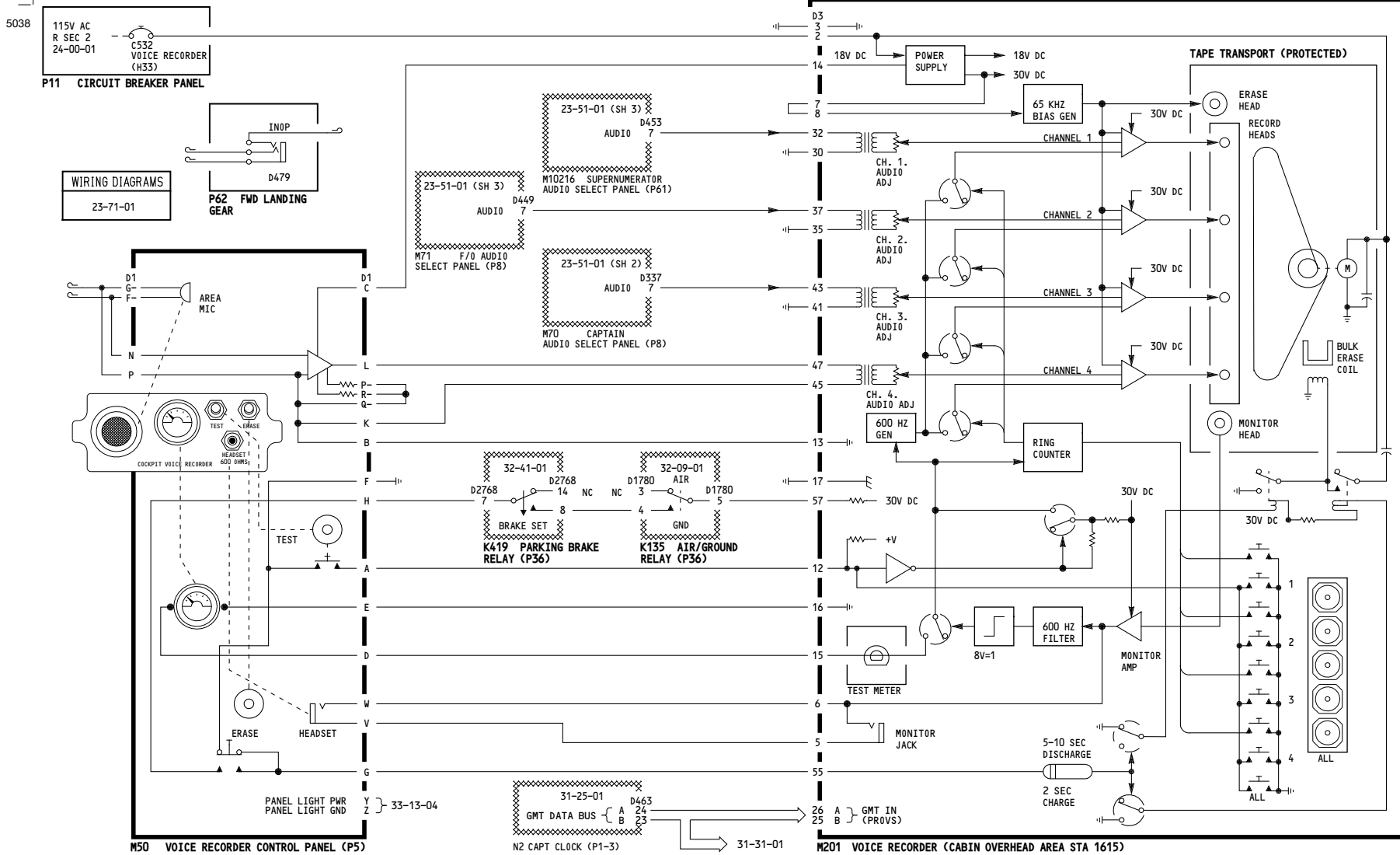


010-099

VOICE RECORDER

D280N032S

23-71-01



115-199

VOICE RECORDER

D280N032S

23-71-01