

CHAPTER

23

COMMUNICATIONS



CHAPTER 23
COMMUNICATIONS

CH-SC-SU	Schem	Page	Sheet	Date	CH-SC-SU	Schem	Page	Sheet	Date
23-EFFECTIVE PAGES					23-11-02 (cont.)		102		
		1 thru 2		May 06/2009	D			2	May 06/2009
23-CONTENTS					23-12-01				
R		1		May 06/2009	R		101		May 06/2009
R		2		May 06/2009	D		102		May 06/2009
O		3		May 06/2009		23-12-02			
		4		BLANK	R		101		May 06/2009
23-ALPHABETICAL INDEX					D		102		May 06/2009
O		1		May 06/2009		23-12-03			
		2		BLANK	R		101		May 06/2009
	23-00-01					23-21-01			
R		101		May 06/2009	R		101		May 06/2009
D		102		May 06/2009	D		102		May 06/2009
	23-11-01					23-31-01			
		101	1	Jan 21/2005	R		101	1	May 06/2009
			2	Jan 21/2005	R			2	May 06/2009
		102	1	Jan 21/2005	R			3	May 06/2009
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D		103	1	May 06/2009	D			2	May 06/2009
D			2	May 06/2009		23-32-01			
	23-11-02				R		101	1	May 06/2009
R		101	1	May 06/2009	R			2	May 06/2009
R			2	May 06/2009	D		102	1	May 06/2009
D		102	1	May 06/2009	D			2	May 06/2009

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

23-EFFECTIVE PAGES



CHAPTER 23
COMMUNICATIONS

CH-SC-SU	Schem	Page	Sheet	Date	CH-SC-SU	Schem	Page	Sheet	Date
	23-32-01 (cont.)					23-51-01 (cont.)	102		
A		101.1	1	May 06/2009				3	Jan 21/2005
A			2	May 06/2009	D		103	1	May 06/2009
	23-34-01				D			2	May 06/2009
R		101		May 06/2009	D			3	May 06/2009
D		102		May 06/2009	D		103.1	1	May 06/2009
	23-41-01				D			2	May 06/2009
R		101		May 06/2009	D			3	May 06/2009
D		102		May 06/2009		23-71-01			
	23-42-01						101		Jan 21/2005
R		101		May 06/2009			102		Jan 21/2005
D		102		May 06/2009			103		Jan 21/2005
	23-43-01						104		Jan 21/2005
R		101		May 06/2009	D		105		May 06/2009
D		102		May 06/2009					
	23-51-01								
		101	1	Jan 21/2005					
			2	Jan 21/2005					
			3	Jan 21/2005					
A		101.1	1	May 06/2009					
A			2	May 06/2009					
A			3	May 06/2009					
		102	1	Jan 21/2005					
			2	Jan 21/2005					

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

23-EFFECTIVE PAGES

CHAPTER 23
COMMUNICATIONS

Title	CH-SC-SU	Schem	Page	Sheet	Date	Effectivity
<u>COMMUNICATIONS</u>						
COMMUNICATIONS	23-00-01		101		May 06/2009	ALL
<u>HF COMMUNICATION SYSTEM</u>						
LEFT HF COMMUNICATIONS	23-11-01		101	1	Jan 21/2005	001
				2	Jan 21/2005	001
			102	1	Jan 21/2005	002-099
				2	Jan 21/2005	002-099
RIGHT HF COMMUNICATIONS	23-11-02		101	1	May 06/2009	ALL
				2	May 06/2009	ALL
<u>VHF COMMUNICATION SYSTEM</u>						
LEFT VHF COMMUNICATIONS	23-12-01		101		May 06/2009	ALL
RIGHT VHF COMMUNICATIONS	23-12-02		101		May 06/2009	ALL
CENTER VHF COMMUNICATIONS	23-12-03		101		May 06/2009	ALL
<u>SELCAL SYSTEM</u>						
SELCAL	23-21-01		101		May 06/2009	ALL
<u>PASSENGER ADDRESS SYSTEM</u>						
PASSENGER ADDRESS SYSTEM	23-31-01		101	1	May 06/2009	ALL
				2	May 06/2009	ALL
				3	May 06/2009	ALL
<u>PASSENGER ENTERTAINMENT (VIDEO)</u>						
VIDEO SYSTEM	23-32-01		101	1	May 06/2009	ALL
				2	May 06/2009	ALL
			101.1	1	May 06/2009	003-011



CHAPTER 23
COMMUNICATIONS

	Title	CH-SC-SU	Schem	Page	Sheet	Date	Effectivity
I	VIDEO SYSTEM (cont.)	23-32-01			2	May 06/2009	003-011
	<u>PASSENGER ENTERTAINMENT (MUSIC)</u>						
I	PASSENGER ENTERTAINMENT	23-34-01		101		May 06/2009	ALL
	<u>SERVICE INTERPHONE SYSTEM</u>						
I	SERVICE INTERPHONE	23-41-01		101		May 06/2009	ALL
	<u>CABIN INTERPHONE SYSTEM</u>						
I	CABIN INTERPHONE	23-42-01		101		May 06/2009	ALL
	<u>GROUND CREW CALL SYSTEM</u>						
I	GROUND CREW CALL	23-43-01		101		May 06/2009	ALL
	<u>FLIGHT INTERPHONE SYSTEM</u>						
	FLIGHT INTERPHONE SYSTEM	23-51-01			1	Jan 21/2005	001-008 010-099
					2	Jan 21/2005	001-008 010-099
					3	Jan 21/2005	001-008 010-099
I				101.1	1	May 06/2009	001
I					2	May 06/2009	001
I					3	May 06/2009	001
				102	1	Jan 21/2005	009
					2	Jan 21/2005	009
					3	Jan 21/2005	009
	<u>VOICE RECORDER SYSTEM</u>						
	VOICE RECORDER	23-71-01		101		Jan 21/2005	001
				102		Jan 21/2005	002-008
				103		Jan 21/2005	009

CHAPTER 23
COMMUNICATIONS

Title	CH-SC-SU	Schem	Page	Sheet	Date	Effectivity
VOICE RECORDER (cont.)	23-71-01		104		Jan 21/2005	010-099



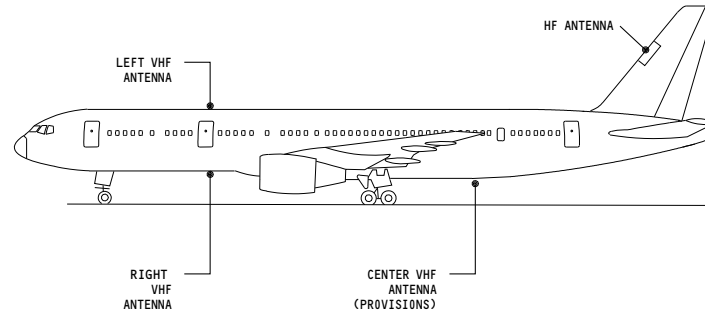
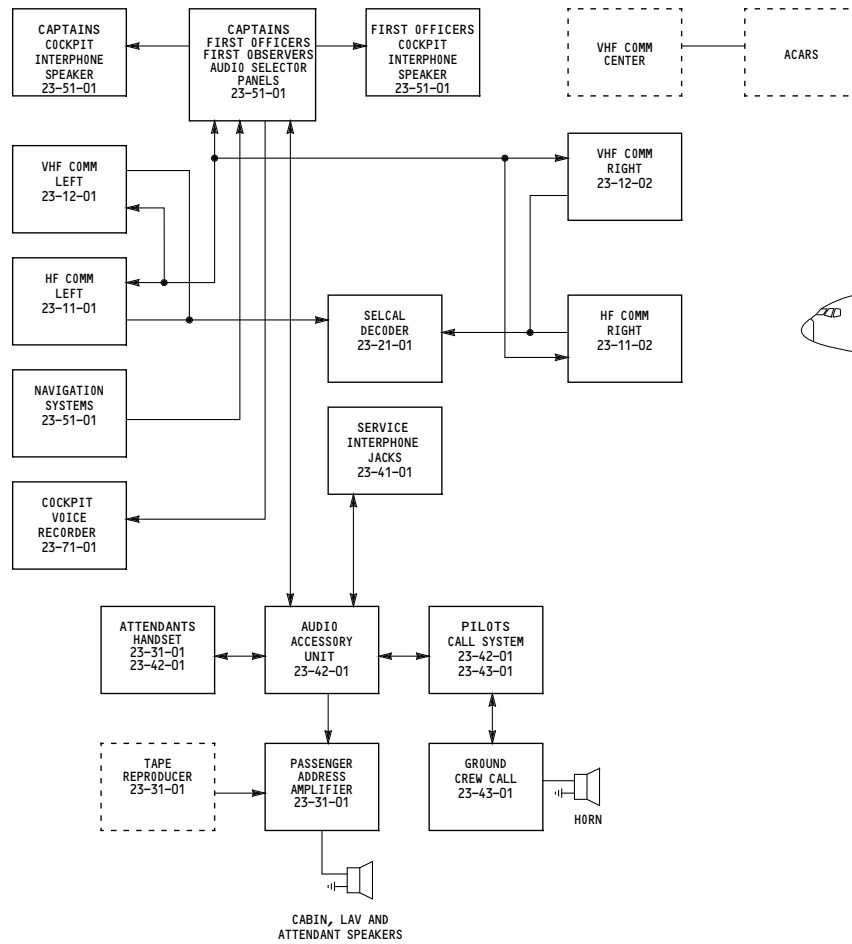
CHAPTER 23
COMMUNICATIONS

CH-SC-SU	Title
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
23-12-02	RIGHT VHF COMMUNICATIONS
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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23-ALPHABETICAL INDEX

5011

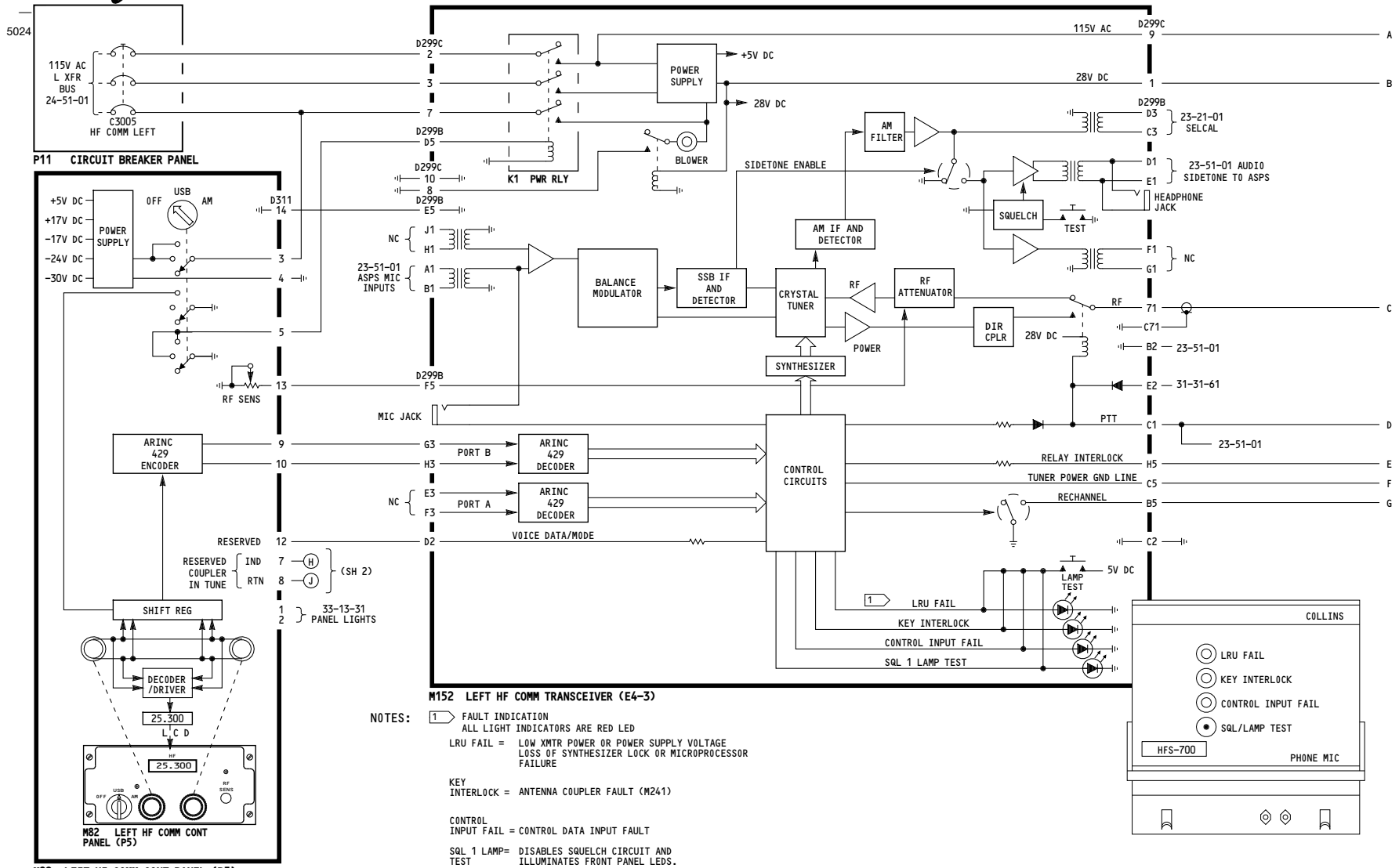


ALL	<p align="center">COMMUNICATIONS</p> <p align="center">D280N032S</p>
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23-00-01

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M82 LEFT HF COMM CONT PANEL (P5)

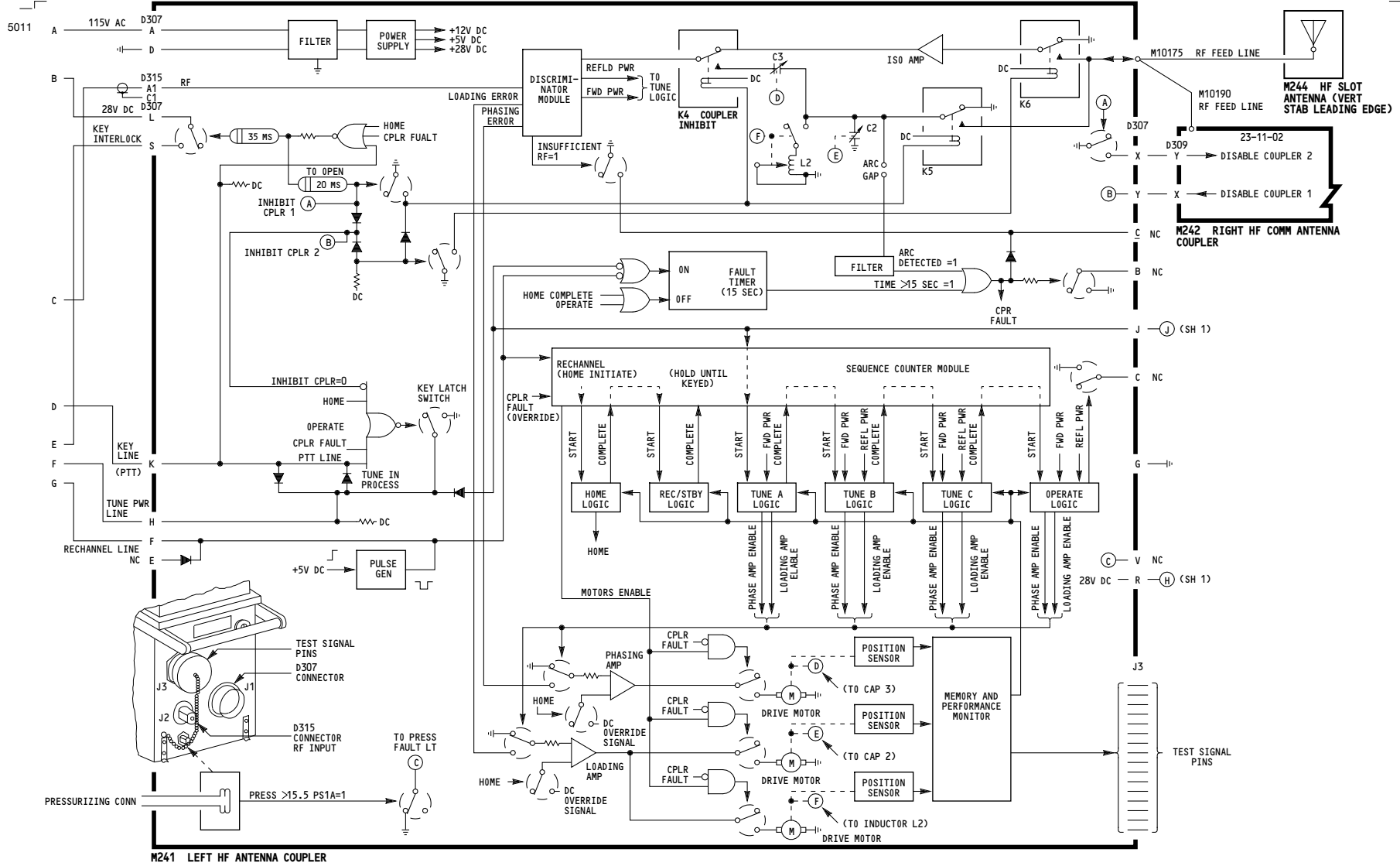
M152 LEFT HF COMM TRANSCEIVER (E4-3)

001

LEFT HF COMMUNICATIONS

D280N032S

23-11-01

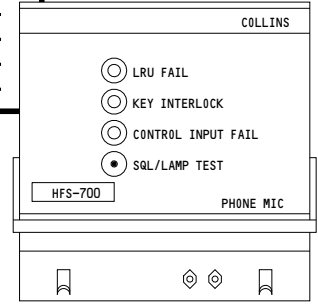
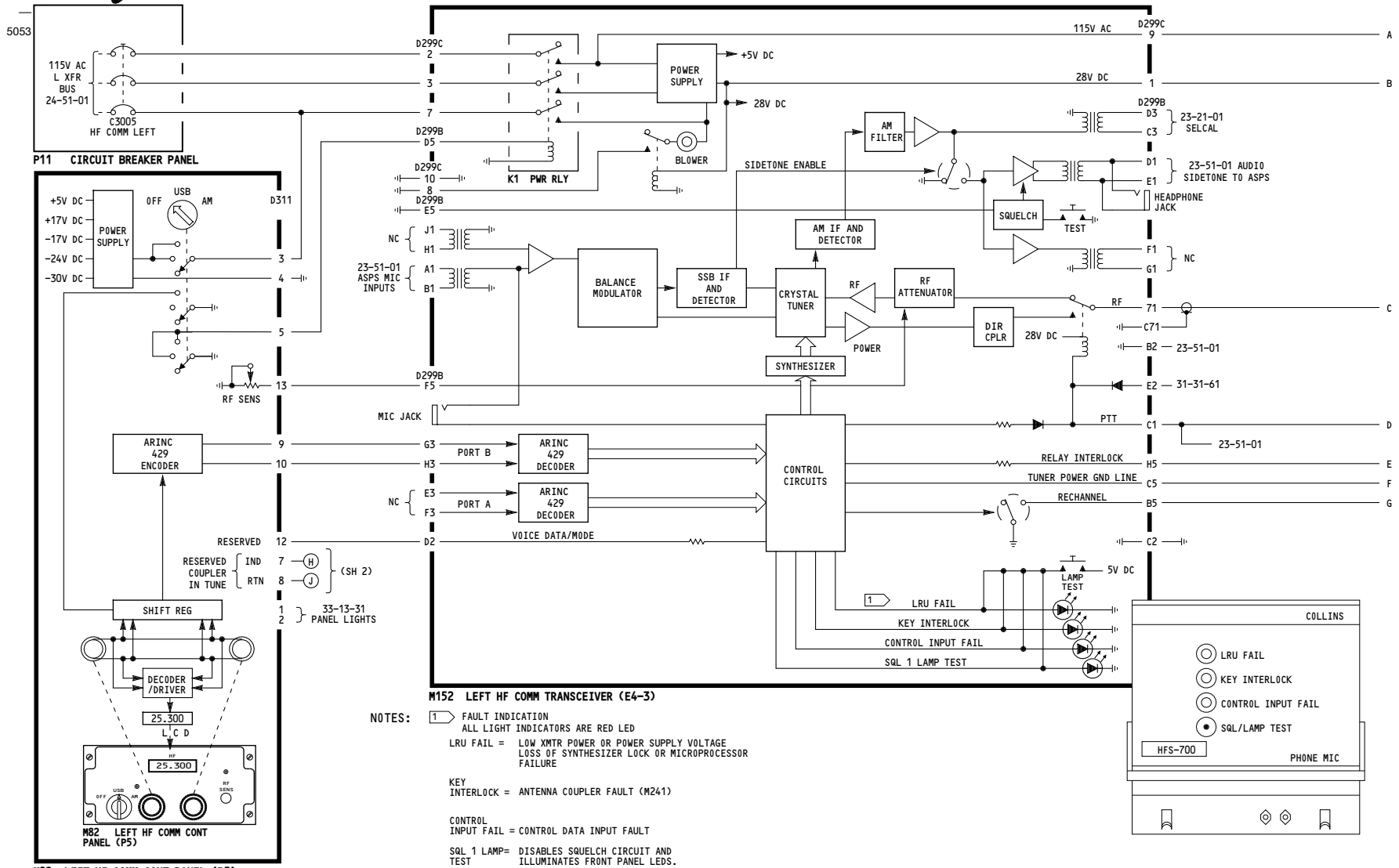


001

LEFT HF COMMUNICATIONS

D280N032S

23-11-01

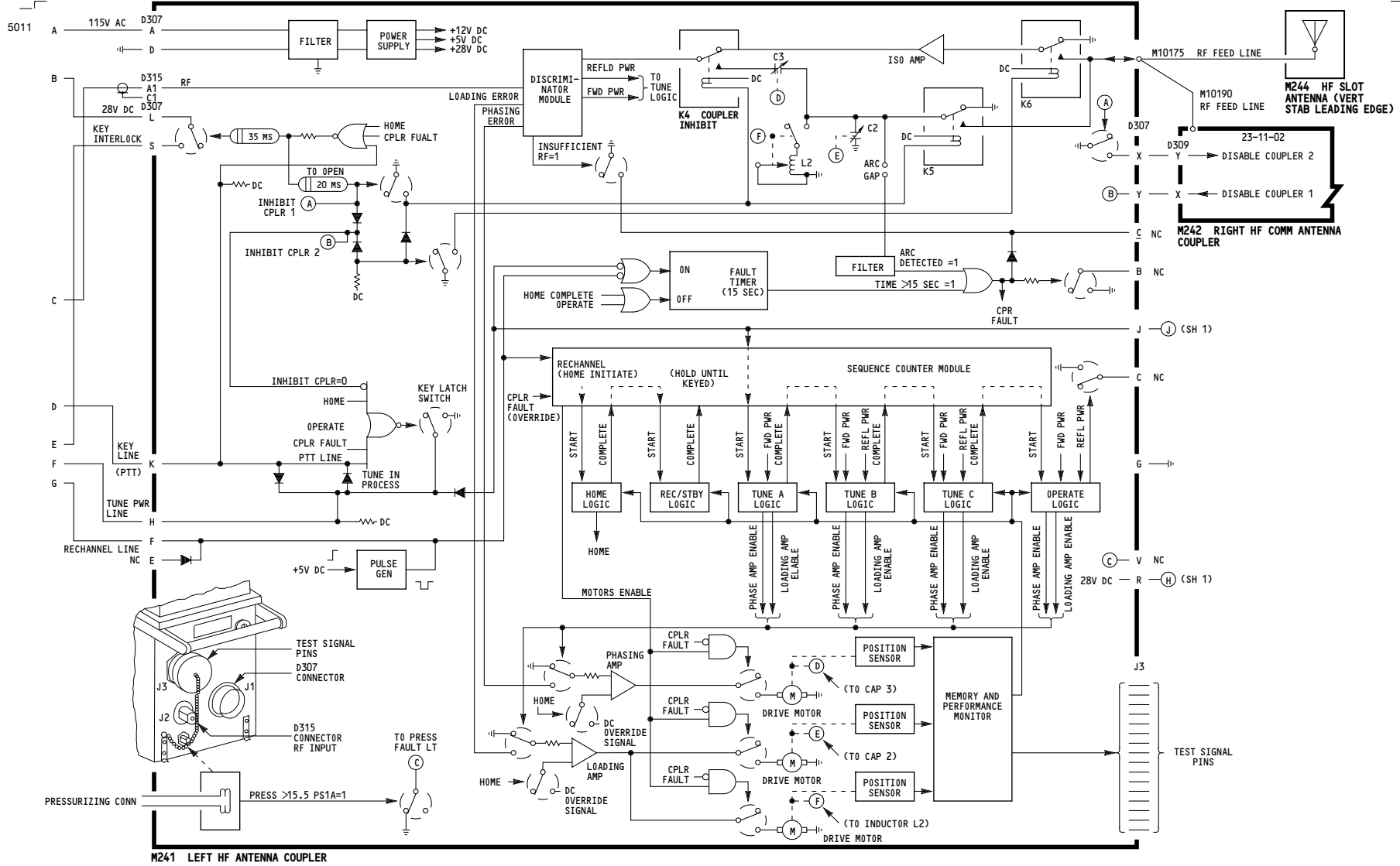


002-099

LEFT HF COMMUNICATIONS

D280N032S

23-11-01



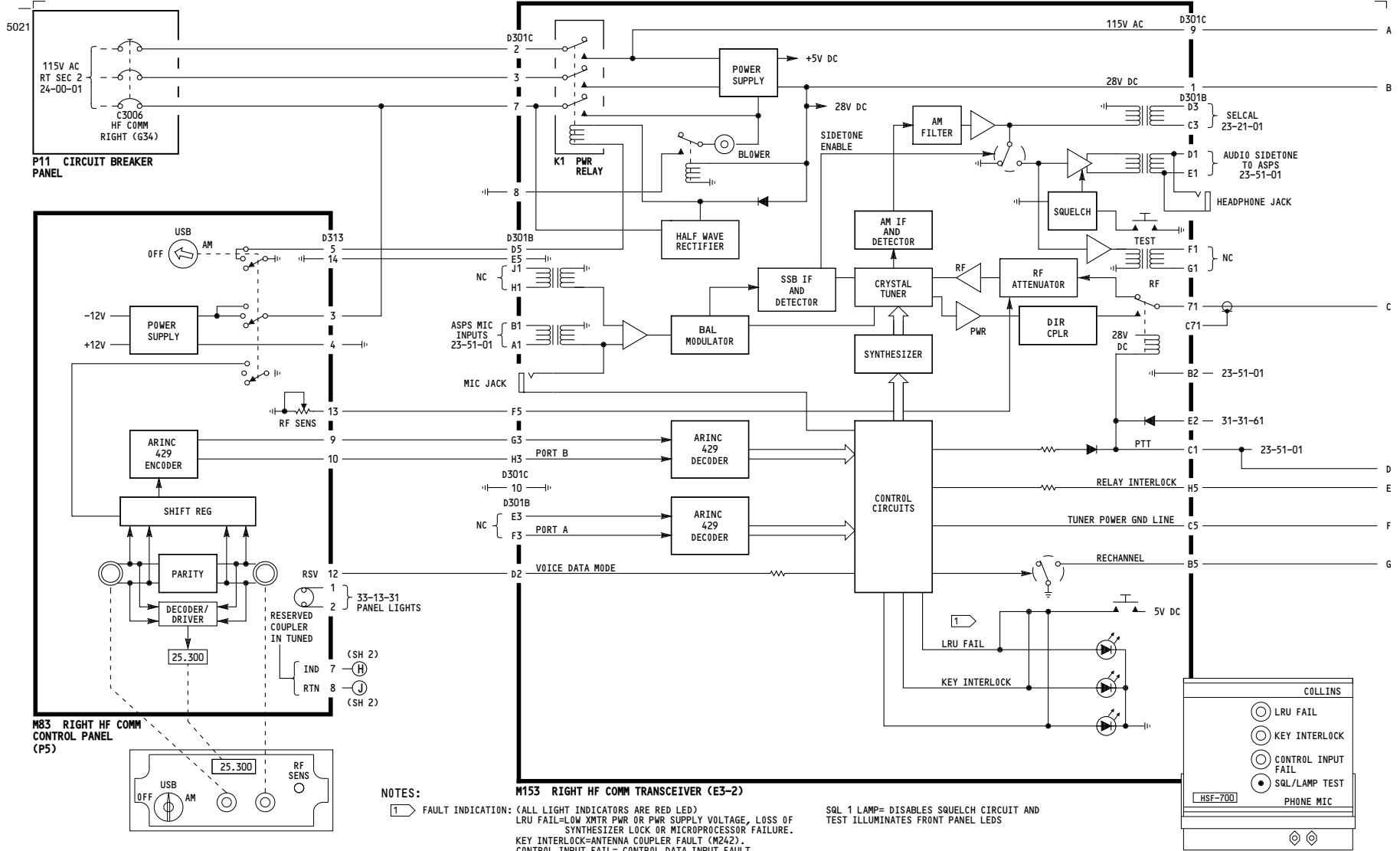
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LEFT HF COMMUNICATIONS

D280N032S

23-11-01

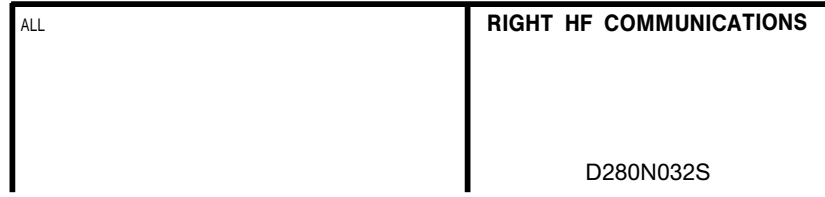
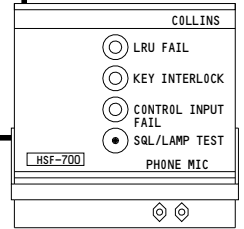
Page 102
Sheet 2
Jan 21/2005



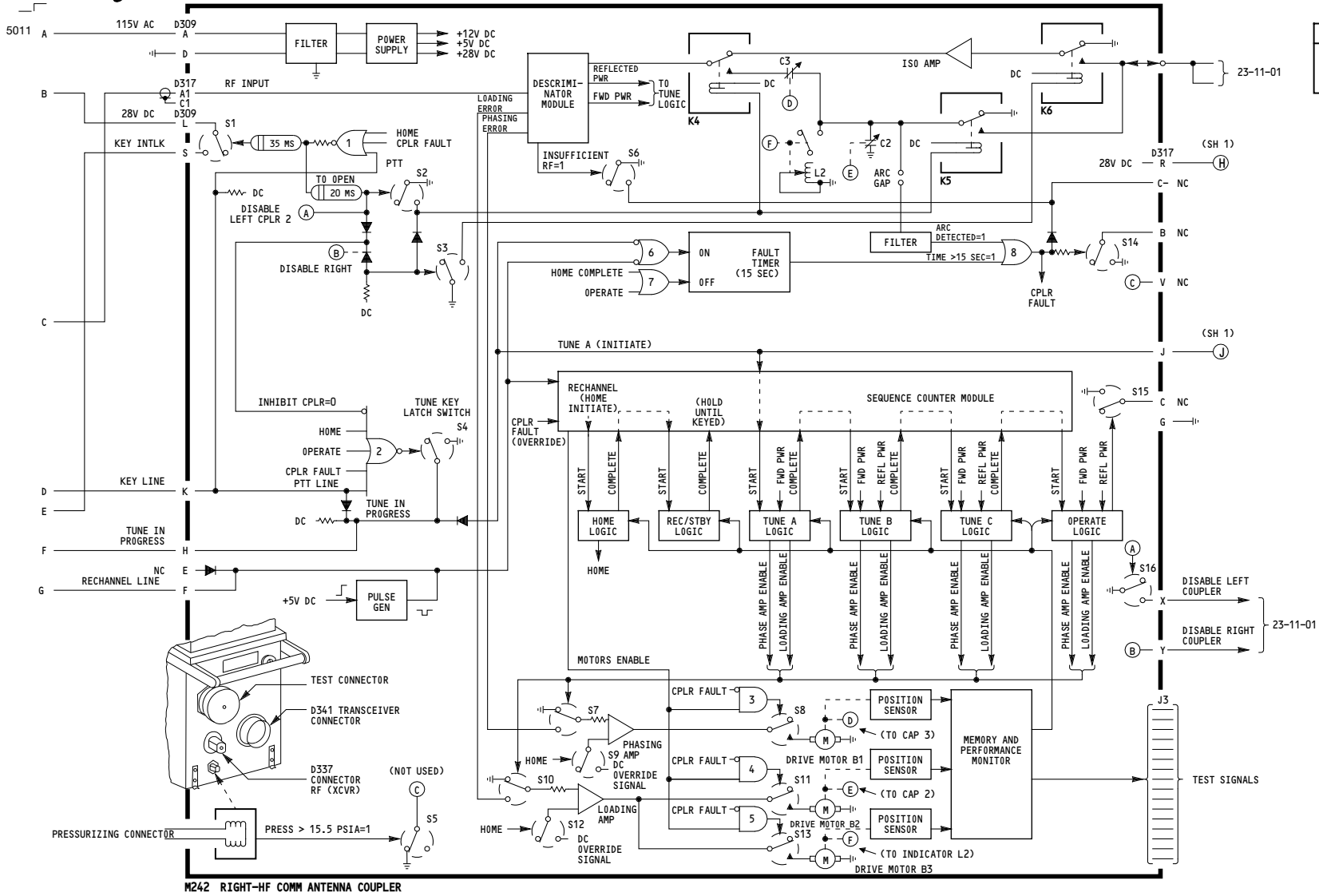
NOTES:

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 (M242).
 CONTROL INPUT FAIL= CONTROL DATA INPUT FAULT.

SQL 1 LAMP= DISABES SQUELCH CIRCUIT AND TEST ILLUMINATES FRONT PANEL LED



23-11-02



WIRING DIAGRAMS
23-11-11

ALL

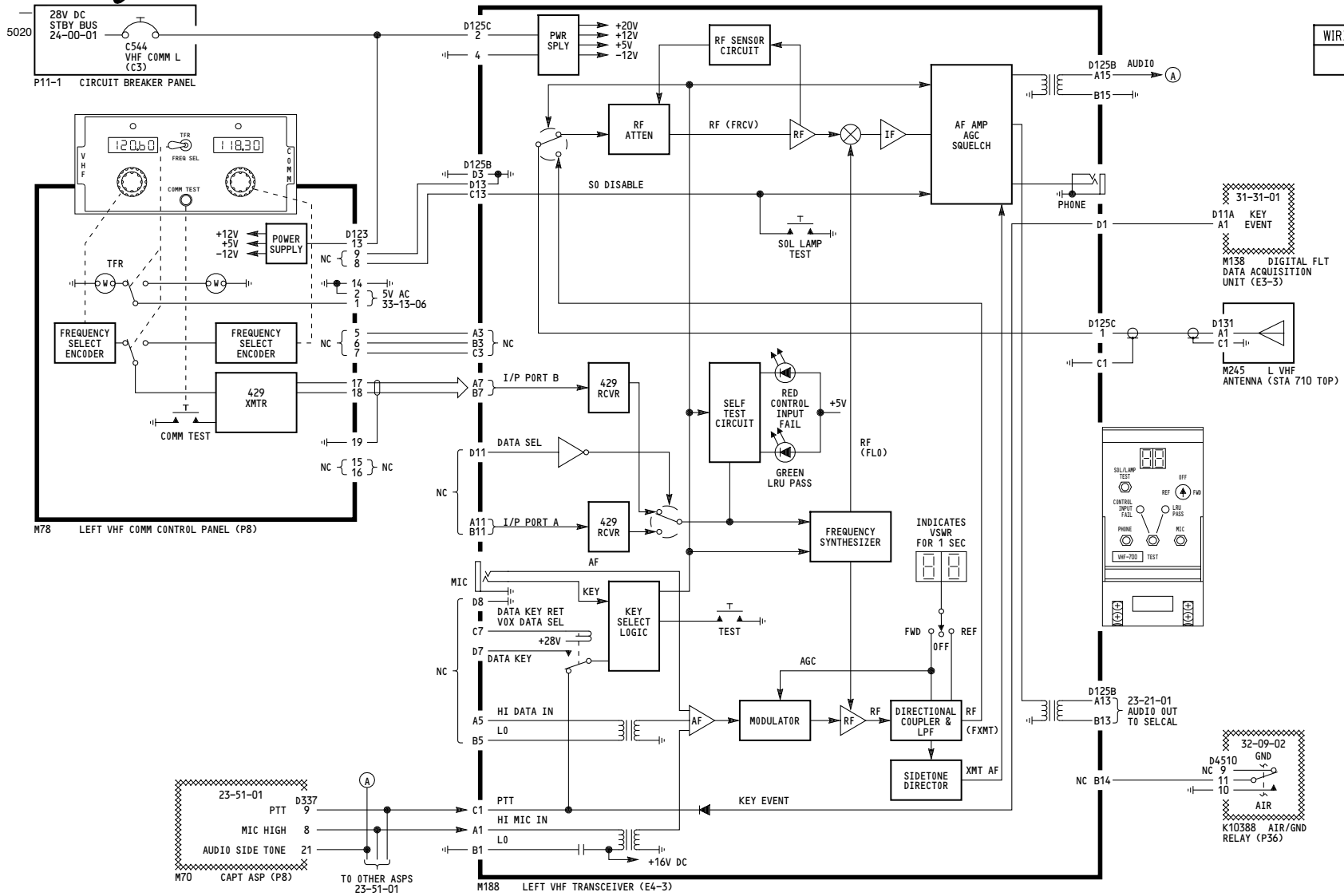
RIGHT HF COMMUNICATIONS

D280N032S

23-11-02

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Sheet 2
May 06/2009

WIRING DIAGRAMS
23-12-11



ALL

LEFT VHF COMMUNICATIONS

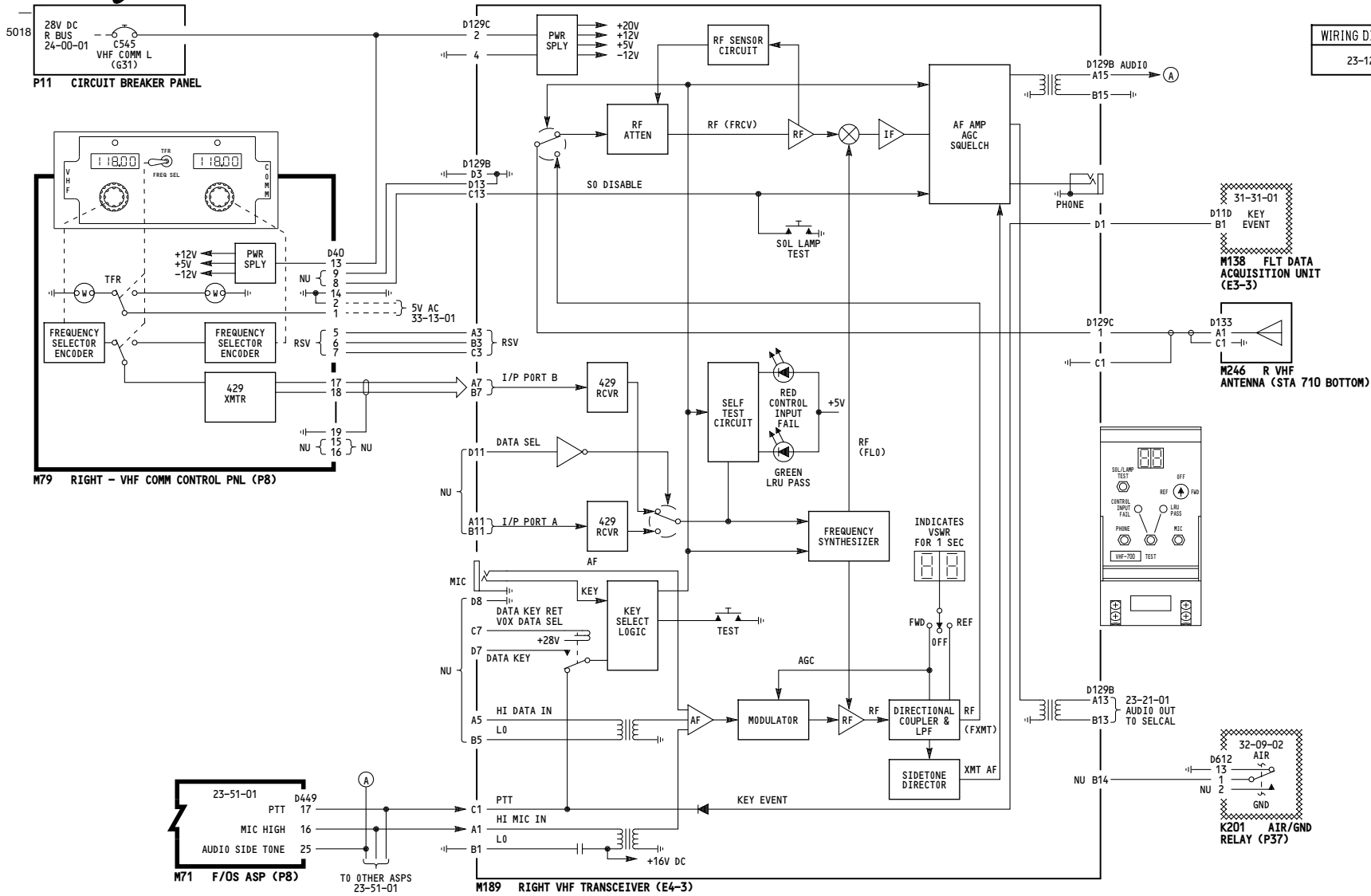
D280N032S

23-12-01

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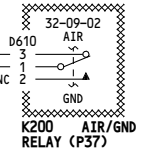
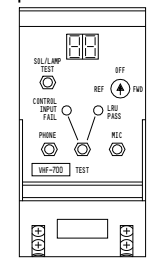
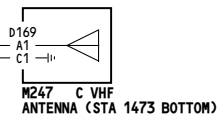
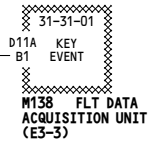
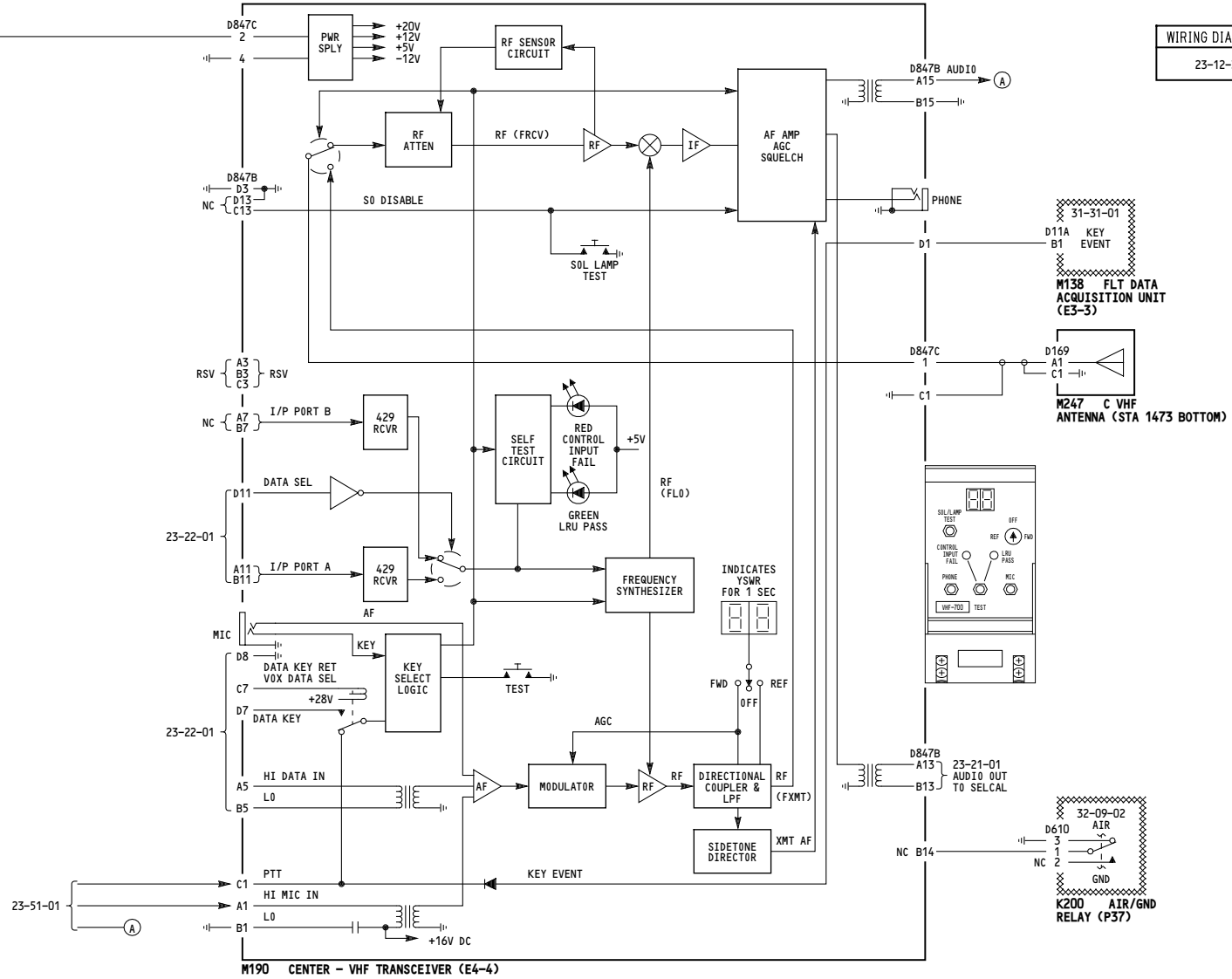
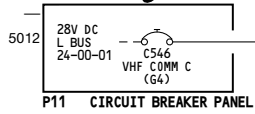
WIRING DIAGRAMS
23-12-21



ALL	RIGHT VHF COMMUNICATIONS
	D280N032S

23-12-02

WIRING DIAGRAMS
23-12-31



ALL

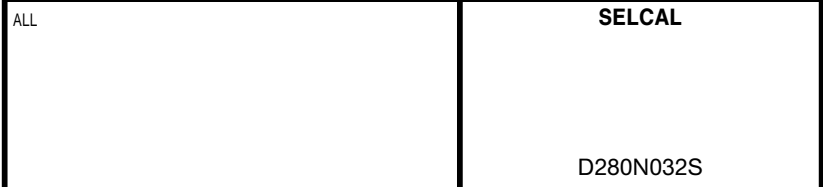
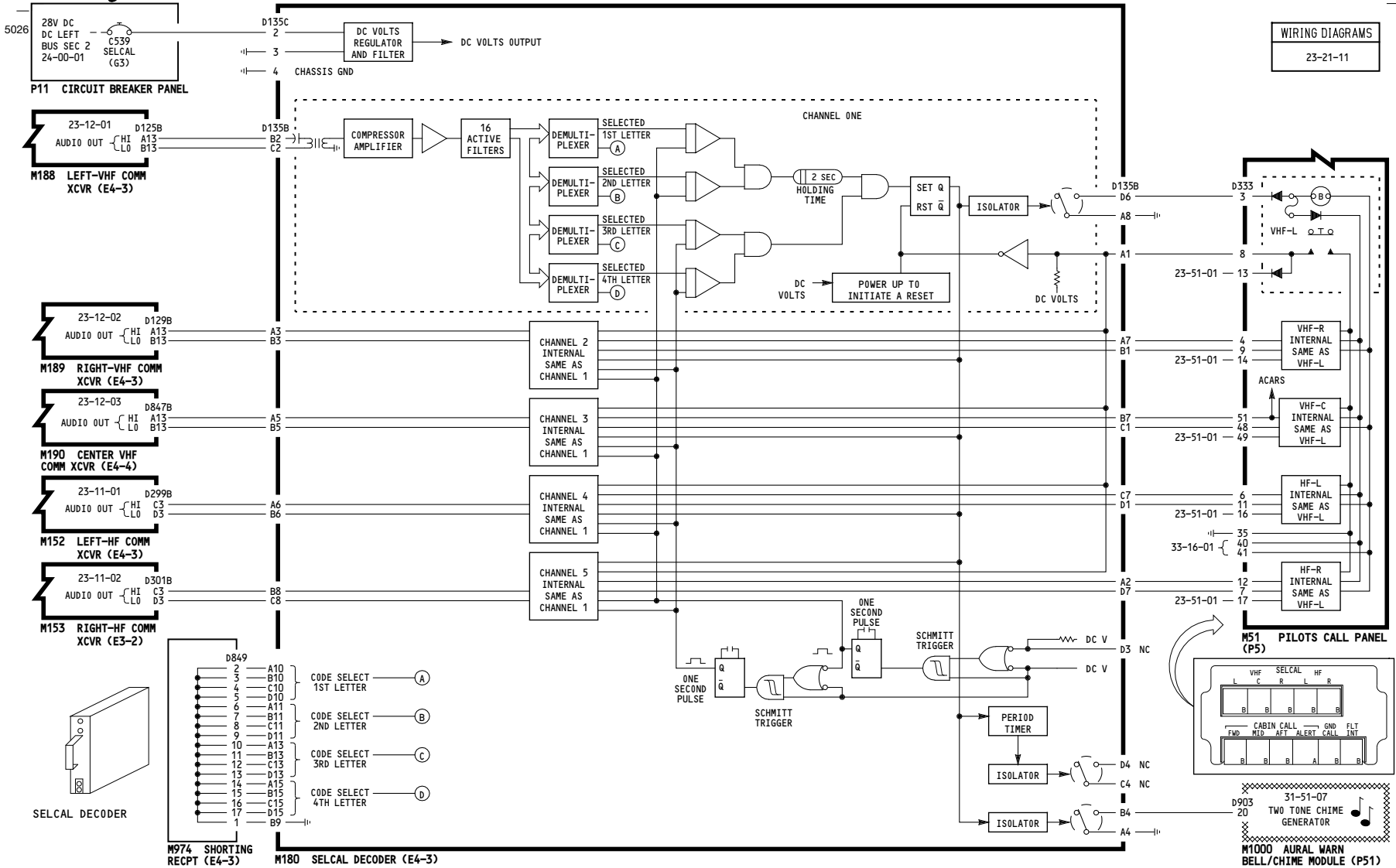
CENTER VHF COMMUNICATIONS

D280N032S

23-12-03

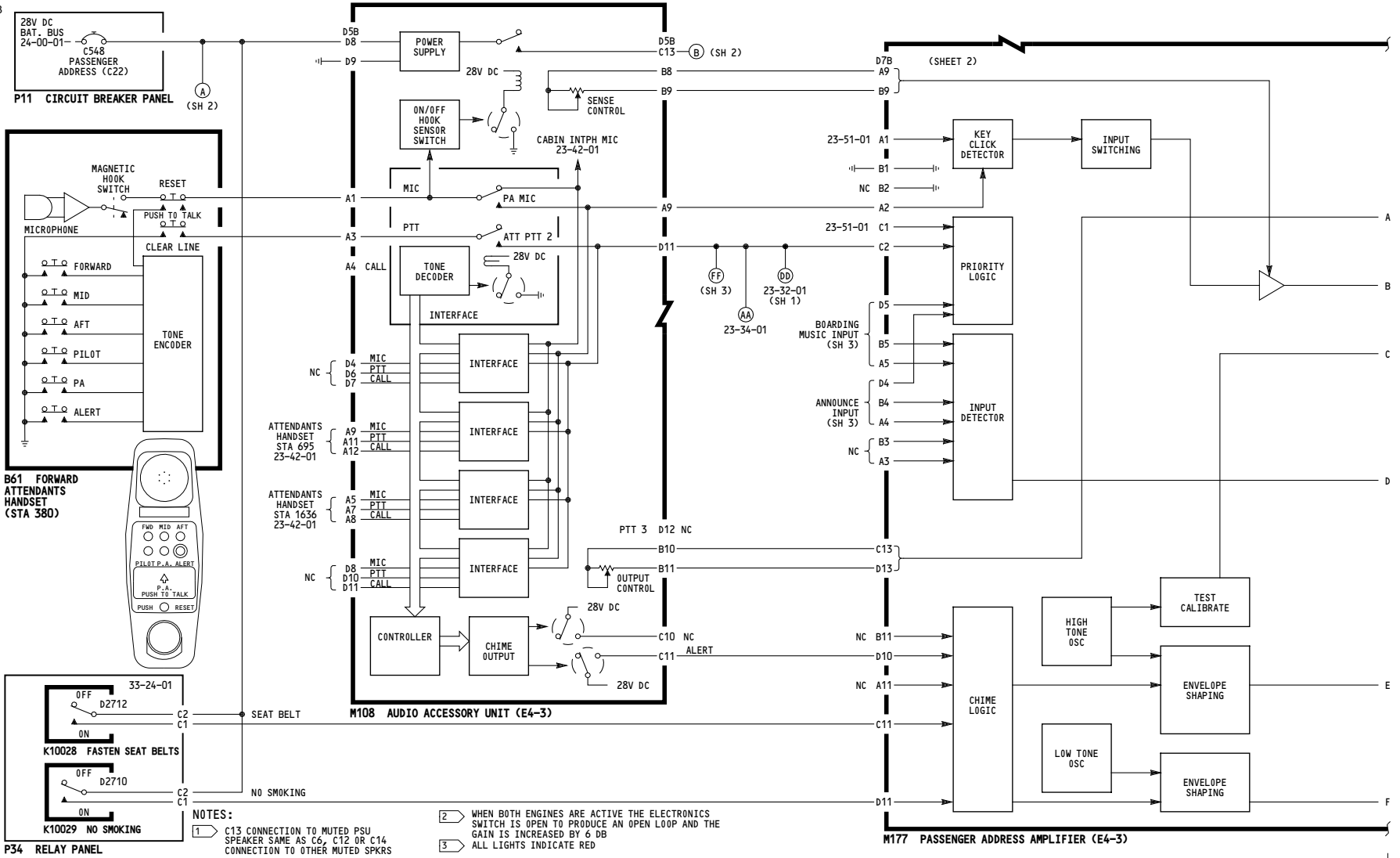
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May 06/2009

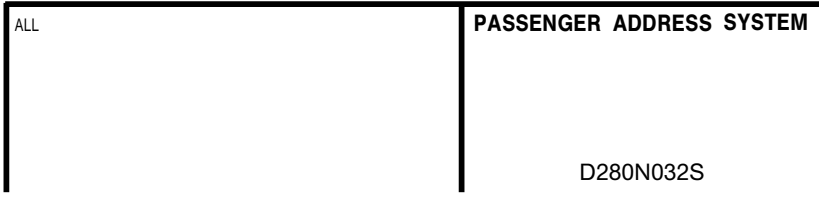


23-21-01

5043

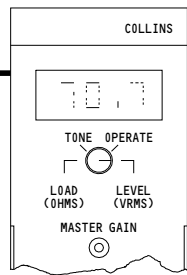


NOTES:
 1 C13 CONNECTION TO MUTED PSU SPEAKER SAME AS C6, C12 OR C14 CONNECTION TO OTHER MUTED SPKRS
 2 WHEN BOTH ENGINES ARE ACTIVE THE ELECTRONICS SWITCH IS OPEN TO PRODUCE AN OPEN LOOP AND THE GAIN IS INCREASED BY 6 DB
 3 ALL LIGHTS INDICATE RED

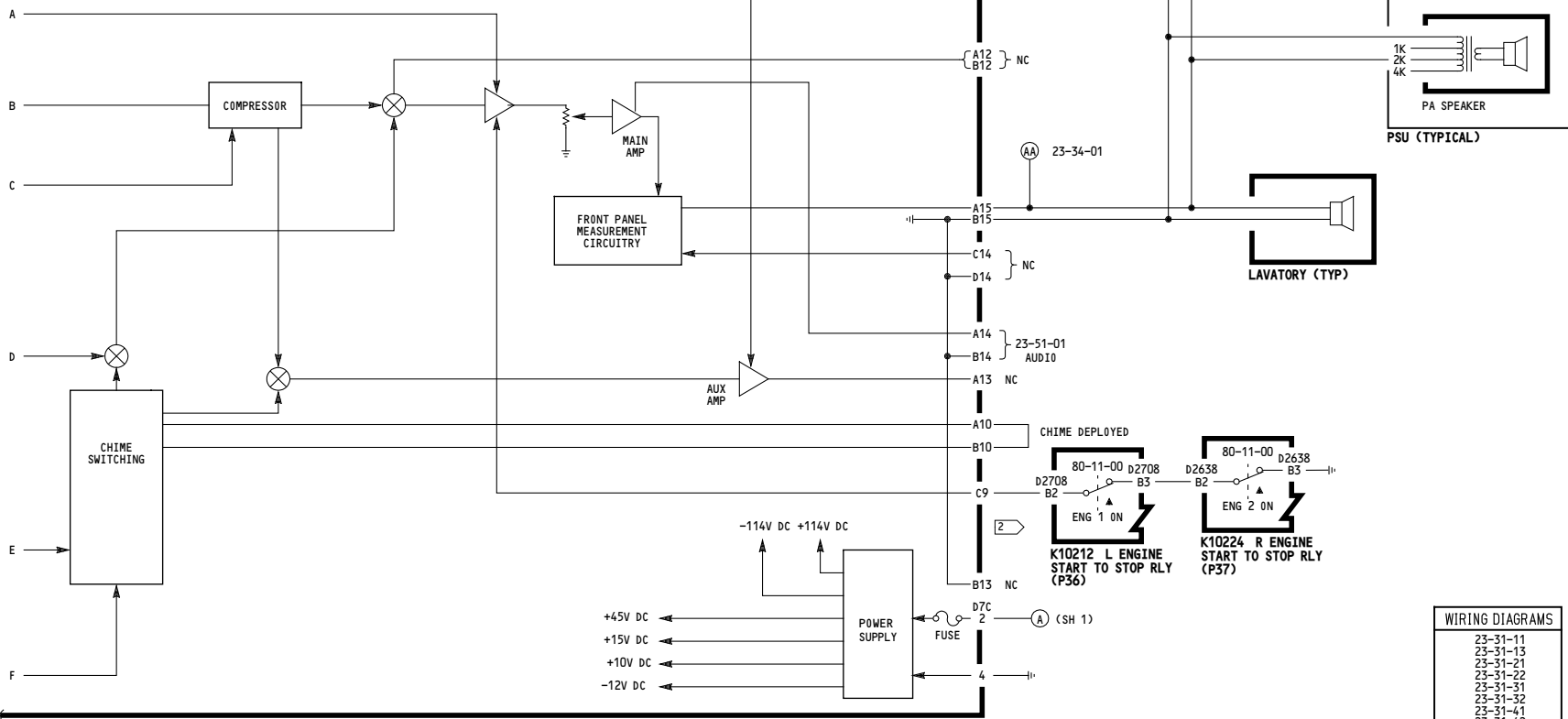


23-31-01

5041



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.

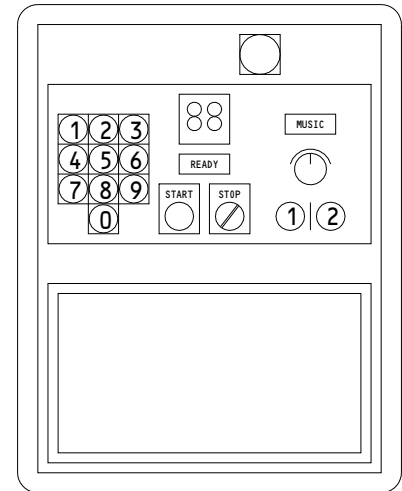
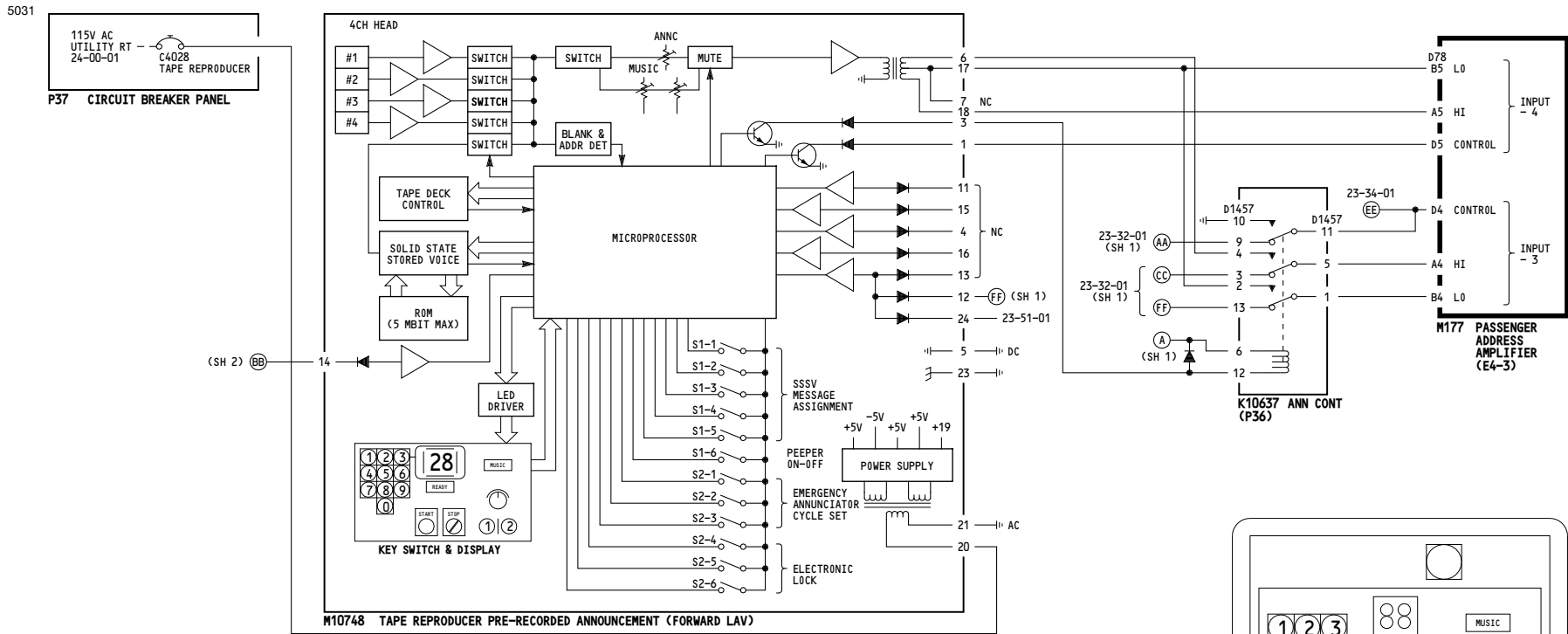


M177 PASSENGER ADDRESS AMPLIFIER (E4-3)

ALL	PASSENGER ADDRESS SYSTEM
	D280N032S

WIRING DIAGRAMS
23-31-11
23-31-13
23-31-21
23-31-22
23-31-31
23-31-32
23-31-41
23-31-42

23-31-01

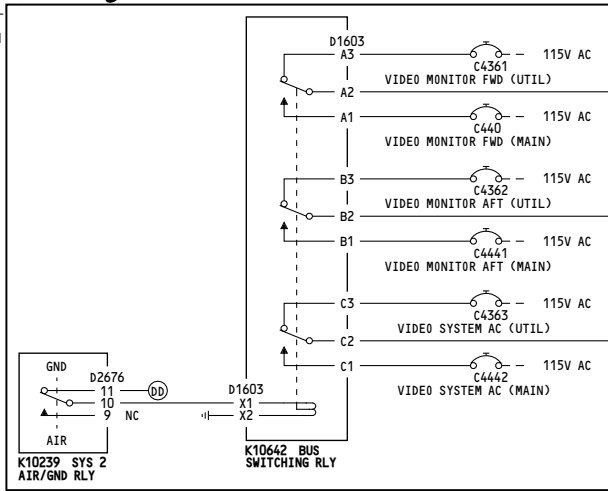


ALL	PASSENGER ADDRESS SYSTEM D280N032S
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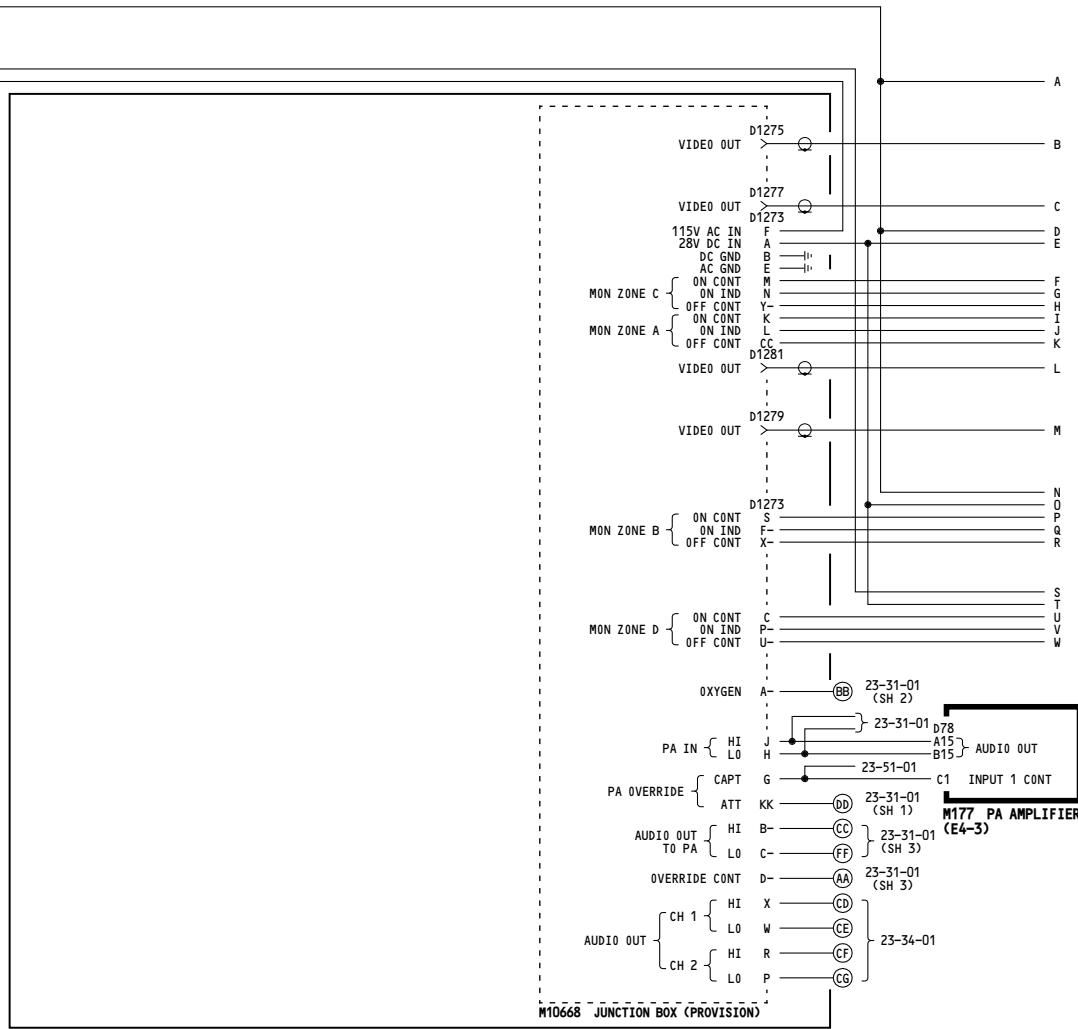
23-31-01

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5031



P37 R MISC ELECT EQUIP. PANEL



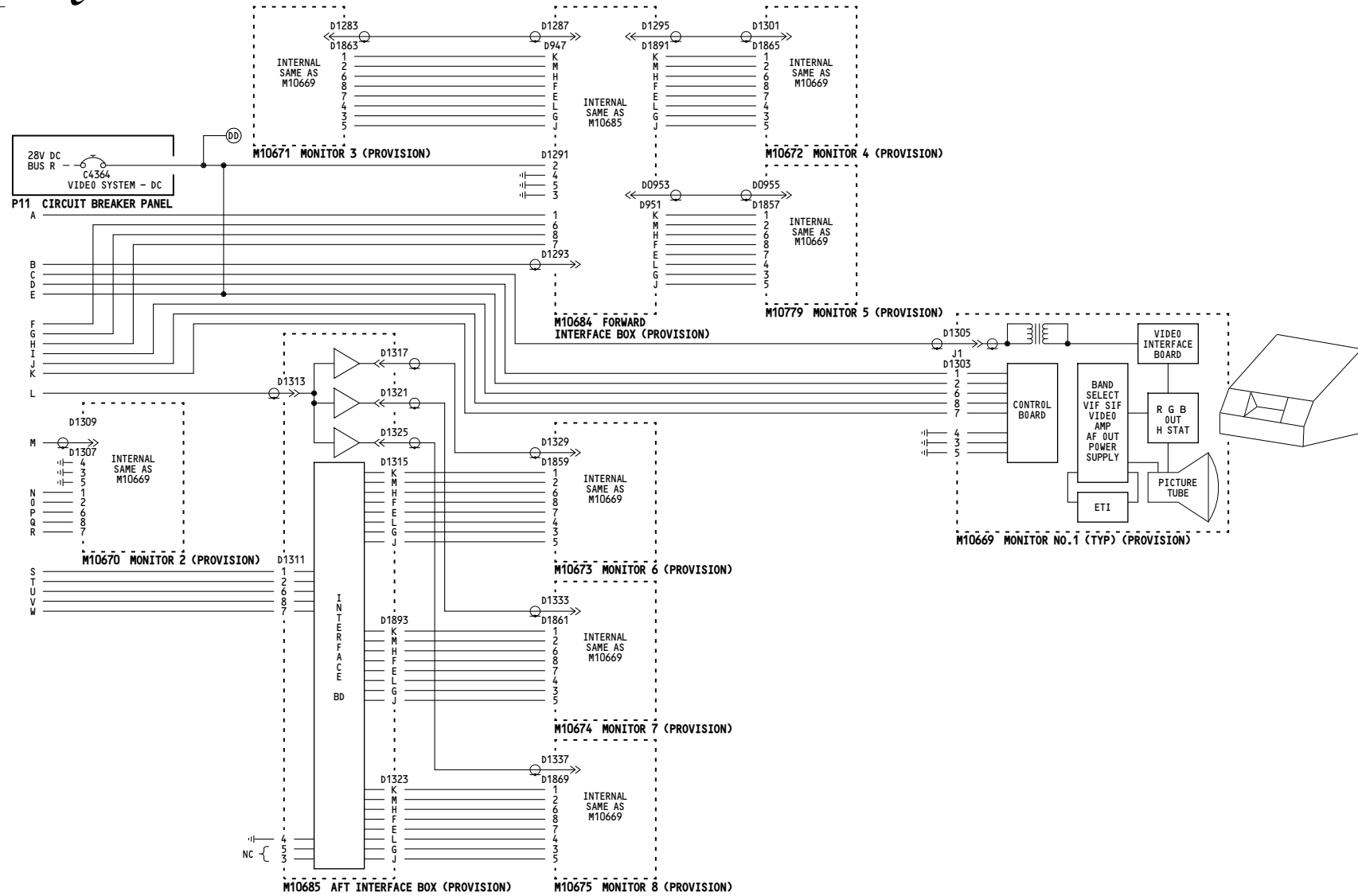
VIDEO CONTROL CENTER (AFT RIGHT STOWAGE BIN STA 1550)

ALL	VIDEO SYSTEM
	D280N032S

23-32-01

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Sheet 1
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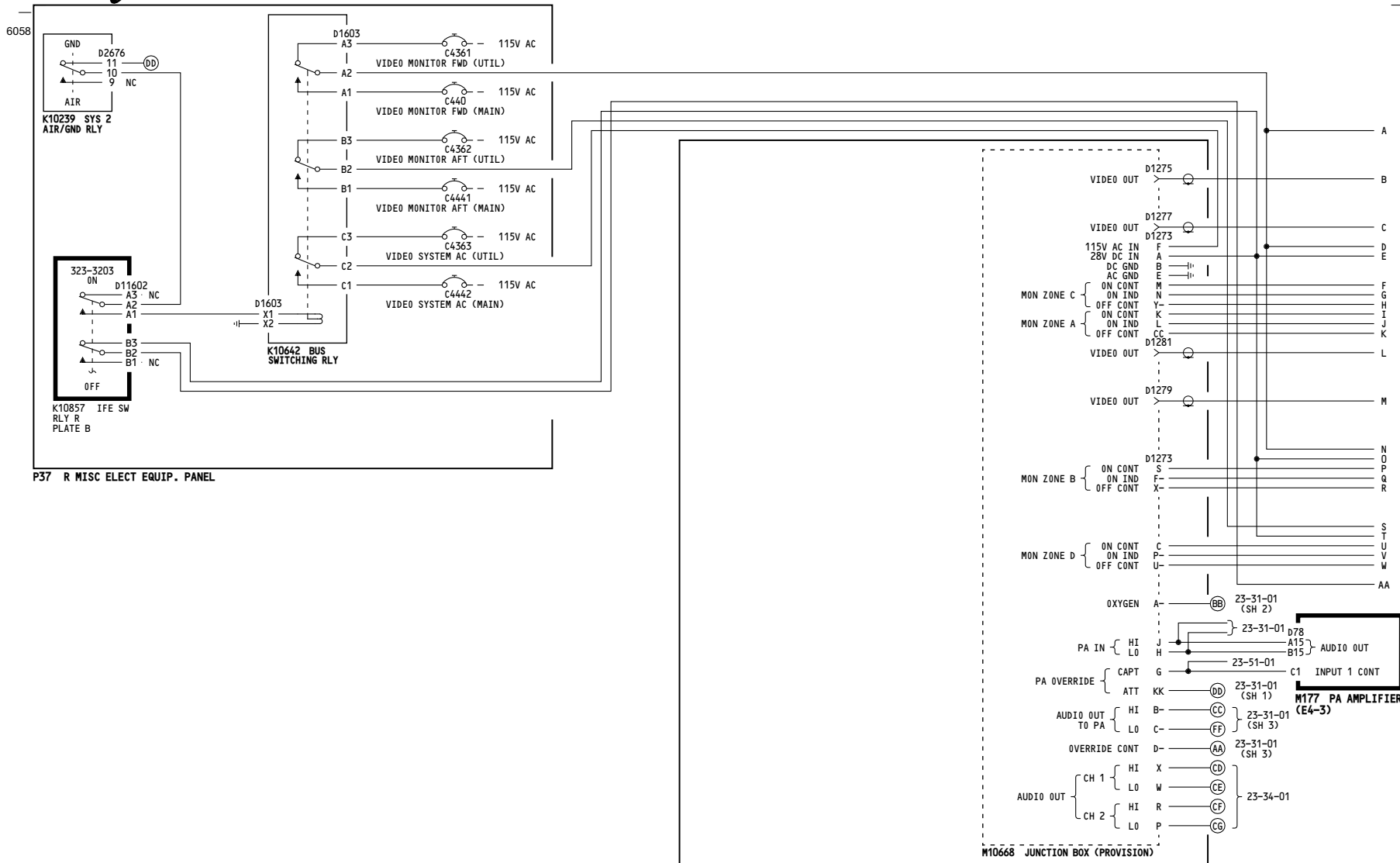
5035



ALL	VIDEO SYSTEM
D280N032S	

23-32-01

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003-011

VIDEO SYSTEM

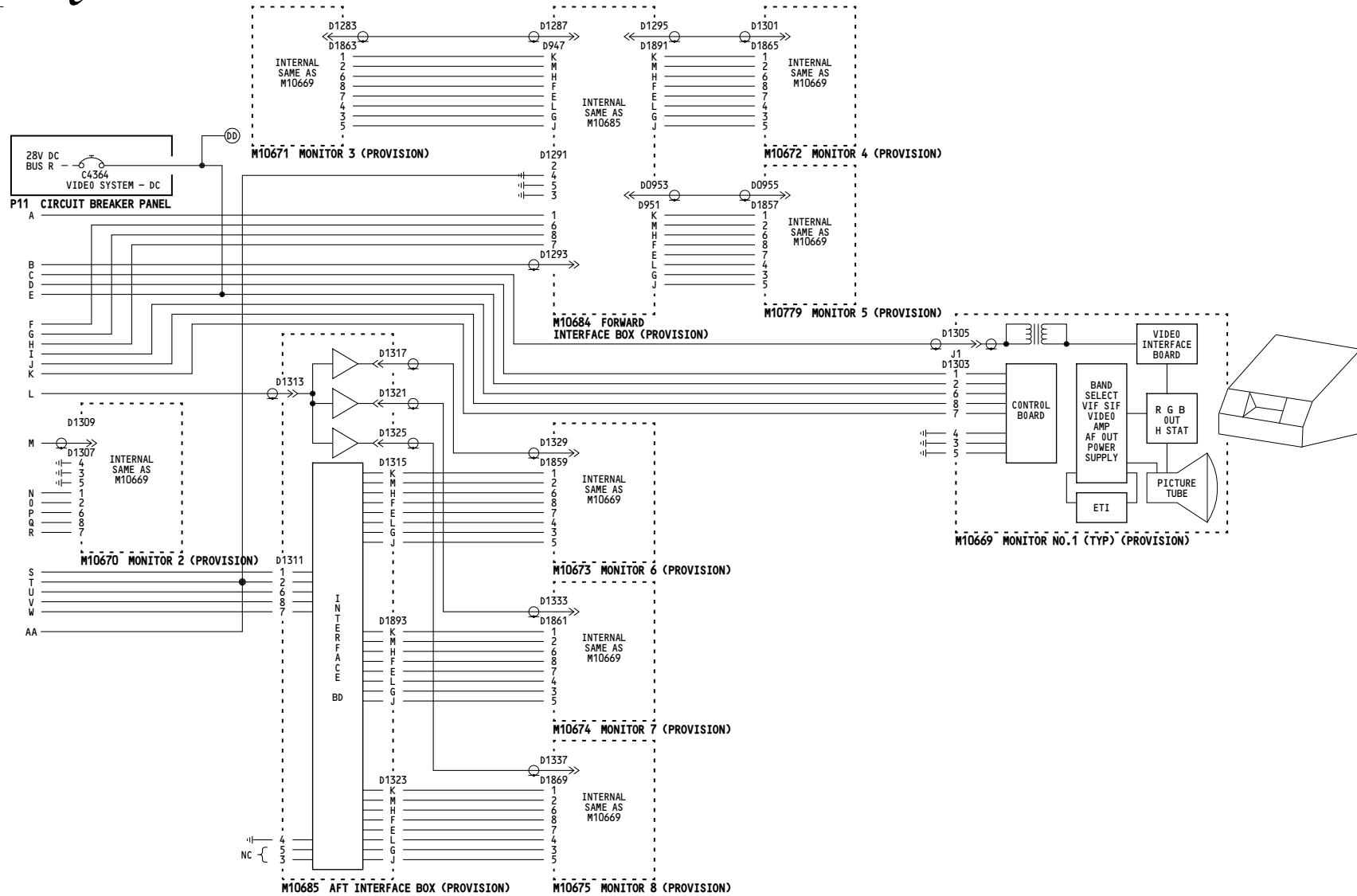
VIDEO CONTROL CENTER (AFT RIGHT STOWAGE BIN STA 1550)
 Incorporates
 24-0093

D280N032S

23-32-01

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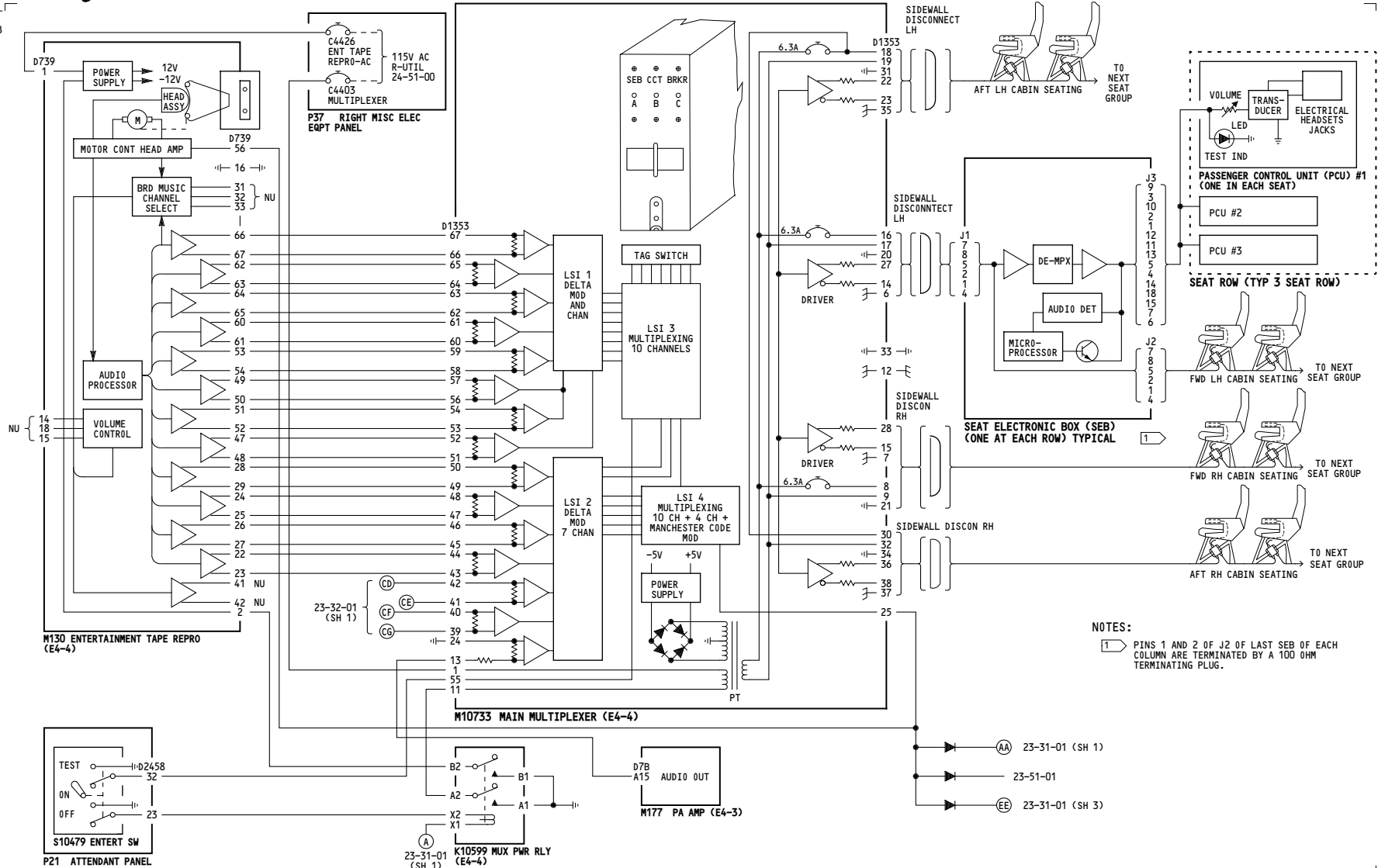
003-011	<p align="center">VIDEO SYSTEM</p> <p align="center">D280N032S</p>
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Incorporates
 24-0093

23-32-01

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 Sheet 2
 May 06/2009

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NOTES:
 1 PINS 1 AND 2 OF J2 OF LAST SEB OF EACH COLUMN ARE TERMINATED BY A 100 OHM TERMINATING PLUG.

ALL	PASSENGER ENTERTAINMENT
D280N032S	

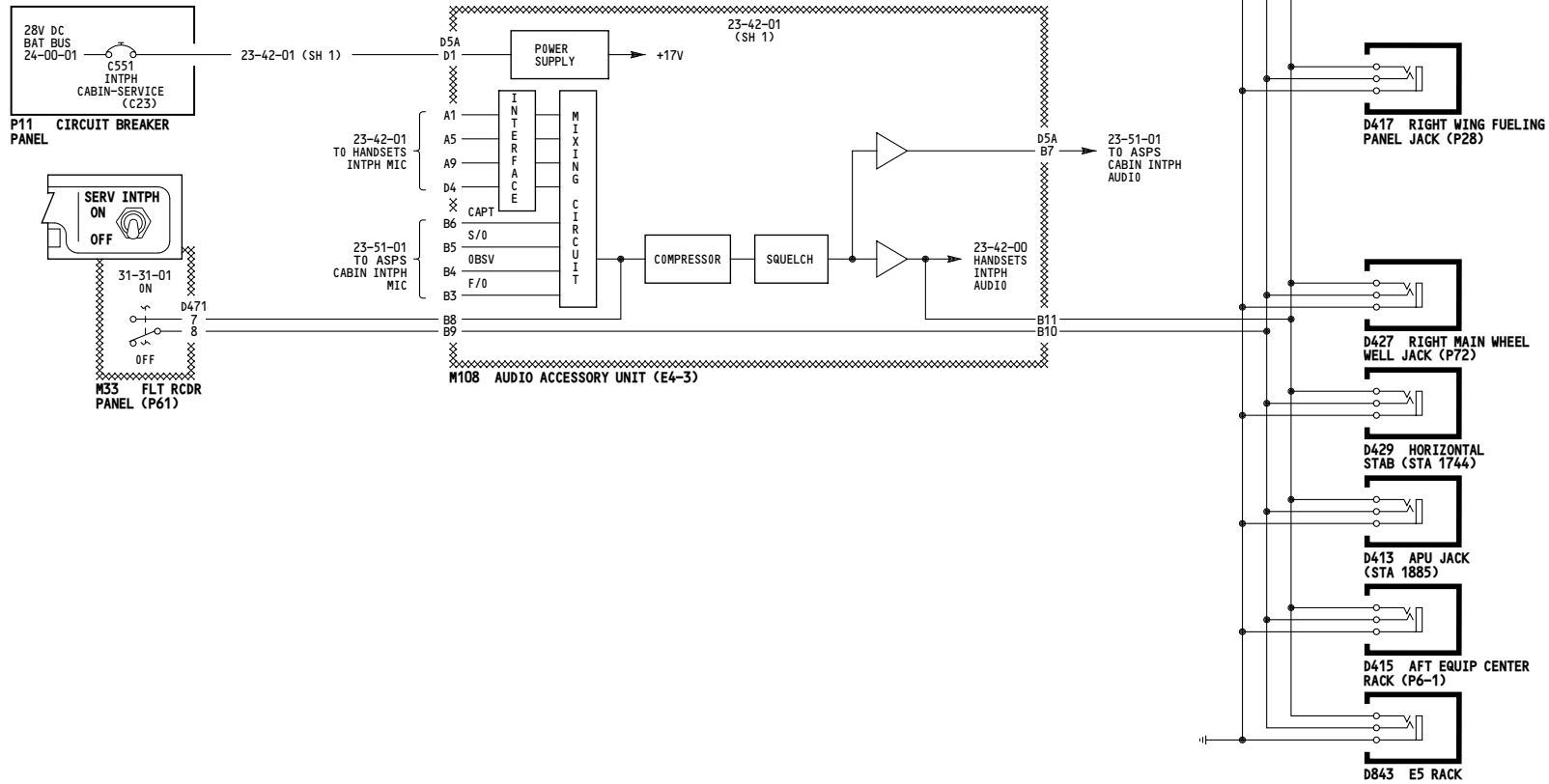
23-34-01

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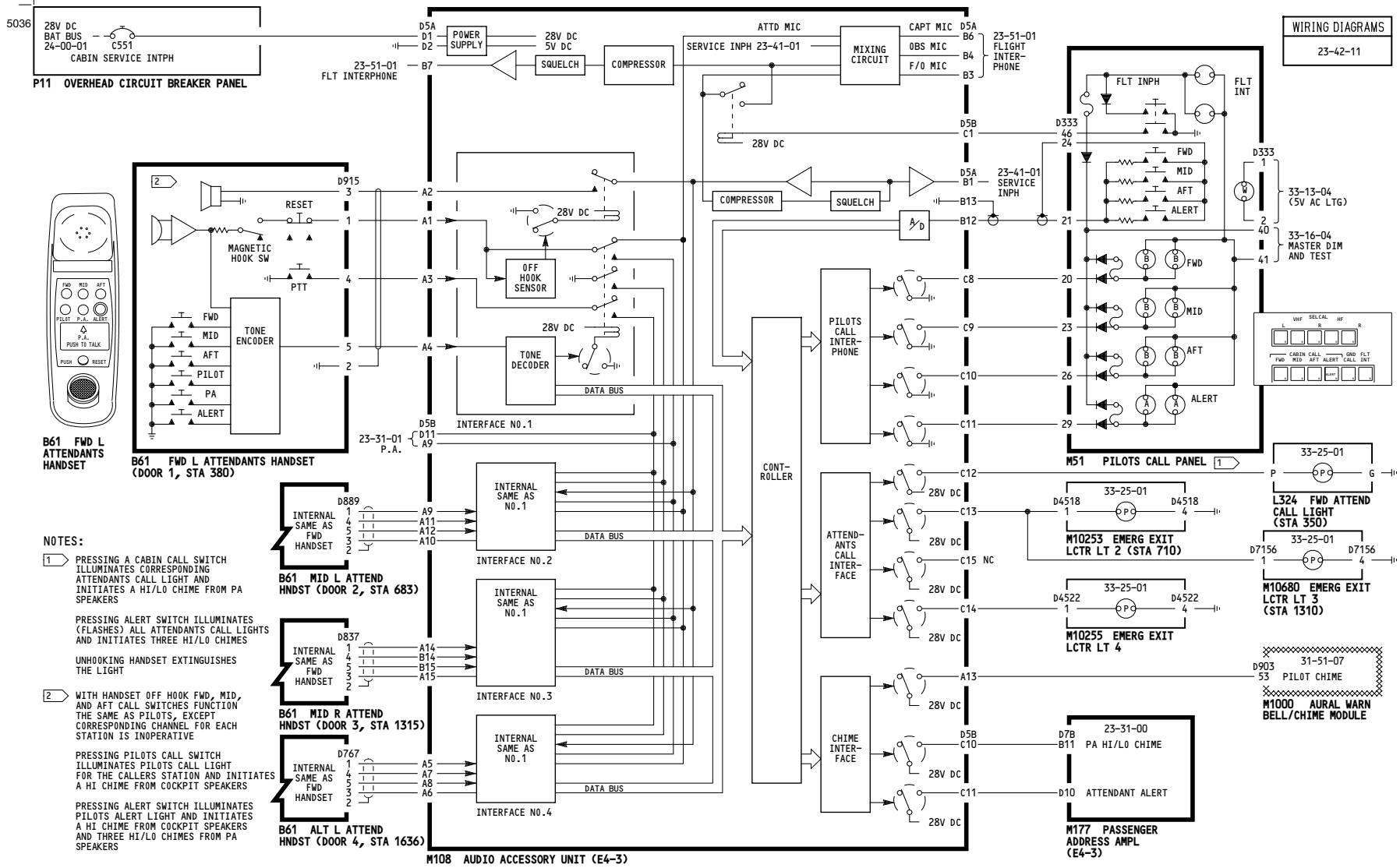
-B
5014

WIRING DIAGRAMS
23-41-11

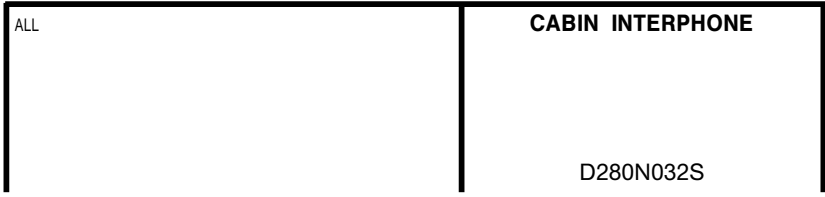


ALL	<p>SERVICE INTERPHONE</p> <p>D280N032S</p>
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23-41-01



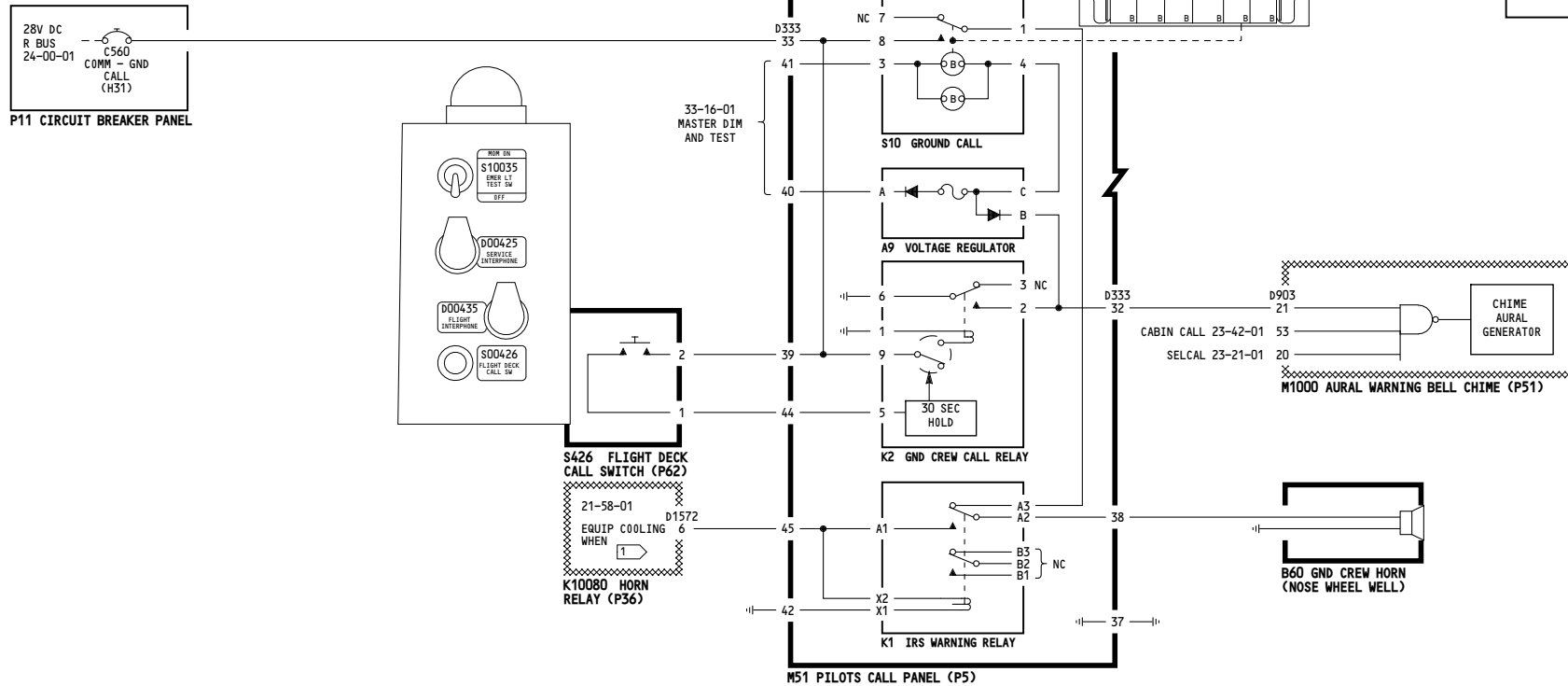
- NOTES:**
- PRESSING A CABIN CALL SWITCH ILLUMINATES CORRESPONDING ATTENDANTS CALL LIGHT AND INITIATES A HI/LO CHIME FROM PA SPEAKERS
PRESSING ALERT SWITCH ILLUMINATES (FLASHES) ALL ATTENDANTS CALL LIGHTS AND INITIATES THREE HI/LO CHIMES
UNHOOKING HANDSET EXTINGUISHES THE LIGHT
 - WITH HANDSET OFF HOOK FWD, MID, AND AFT CALL SWITCHES FUNCTION THE SAME AS PILOTS, EXCEPT CORRESPONDING CHANNEL FOR EACH STATION IS INOPERATIVE
PRESSING PILOTS CALL SWITCH ILLUMINATES PILOTS CALL LIGHT FOR THE CALLERS STATION AND INITIATES A HI CHIME FROM COCKPIT SPEAKERS
PRESSING ALERT SWITCH ILLUMINATES PILOTS ALERT LIGHT AND INITIATES A HI CHIME FROM COCKPIT SPEAKERS AND THREE HI/LO CHIMES FROM PA SPEAKERS



23-42-01

-A
5015

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



NOTES:

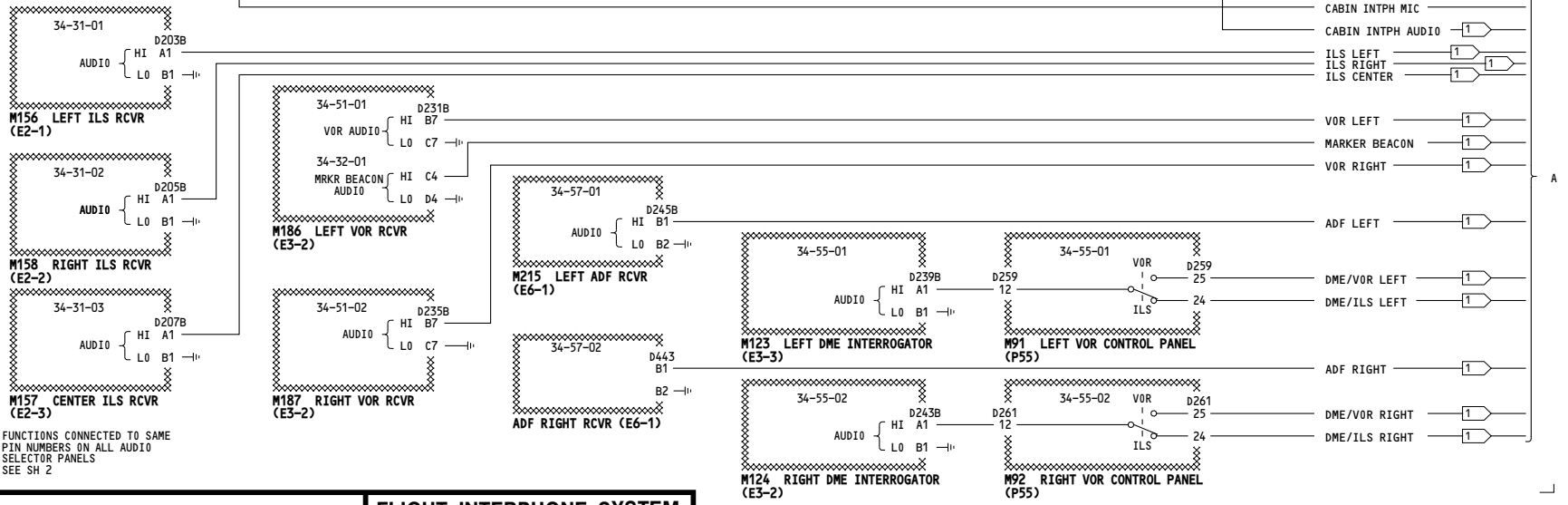
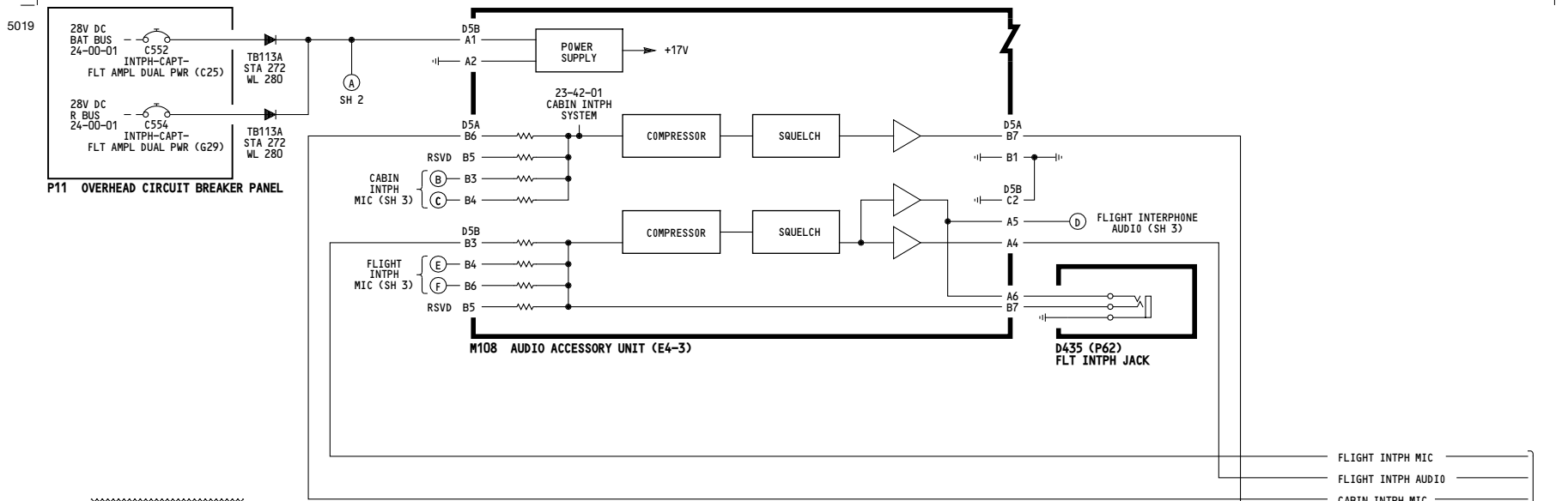
1. EQUIPMENT COOLING SYSTEM PROVIDES 28V DC PWR TO GND CREW HORN FOR ON GROUND OPERATIONS WHEN:
 1. ONE OR MORE IRS ARE IN ALIGN, NAV OR ATT MODES AND EQUIPMENT COOLING FAILURE INDICATION SYSTEM IS NOT POWERED
 2. EQUIPMENT COOLING, LOW AIR FLOW OR OVHT CONDITION EXISTS.
 3. DURING TEST

ALL	GROUND CREW CALL
	D280N032S

23-43-01

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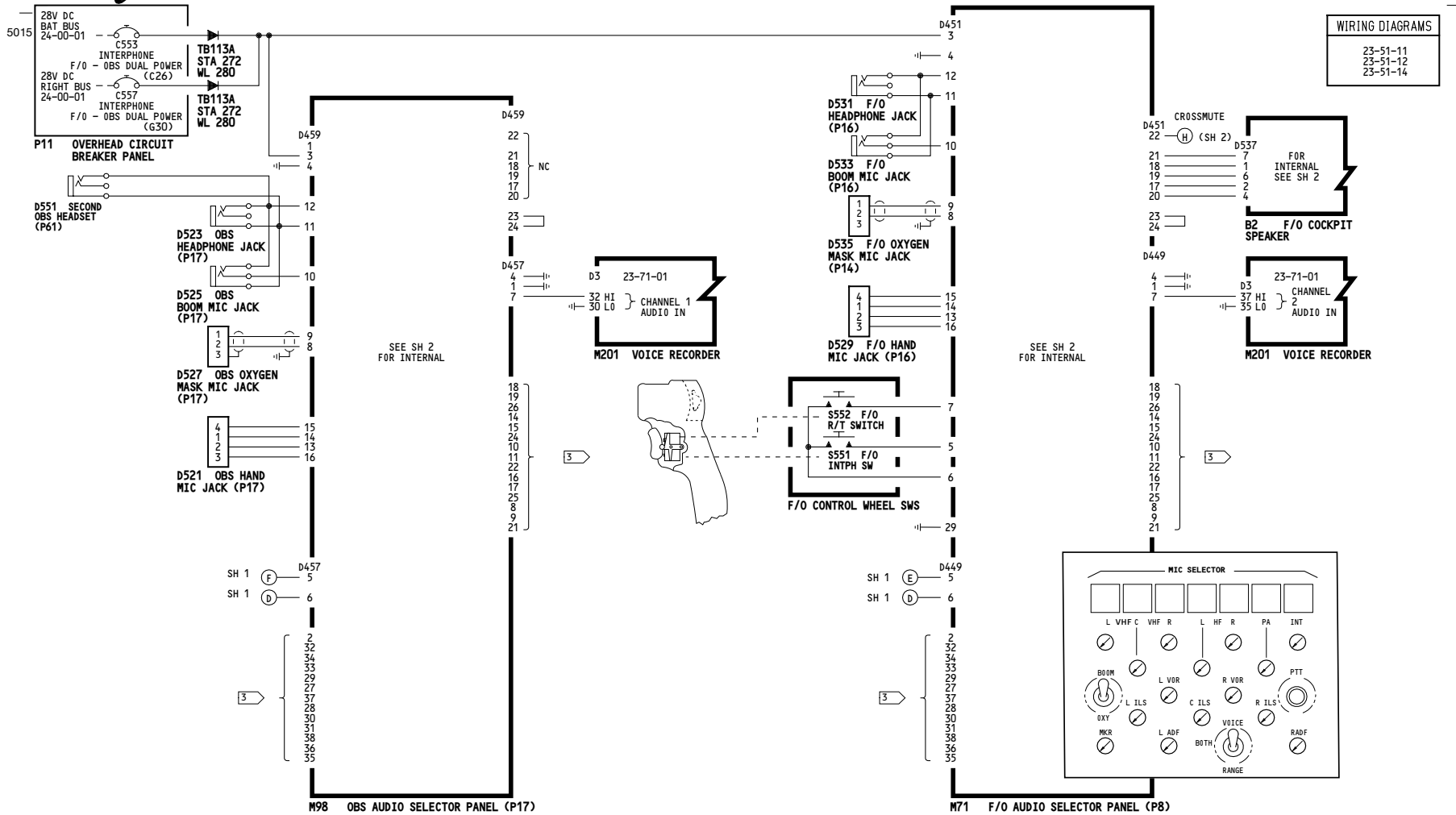


001-008, 010-099

FLIGHT INTERPHONE SYSTEM

D280N032S

23-51-01



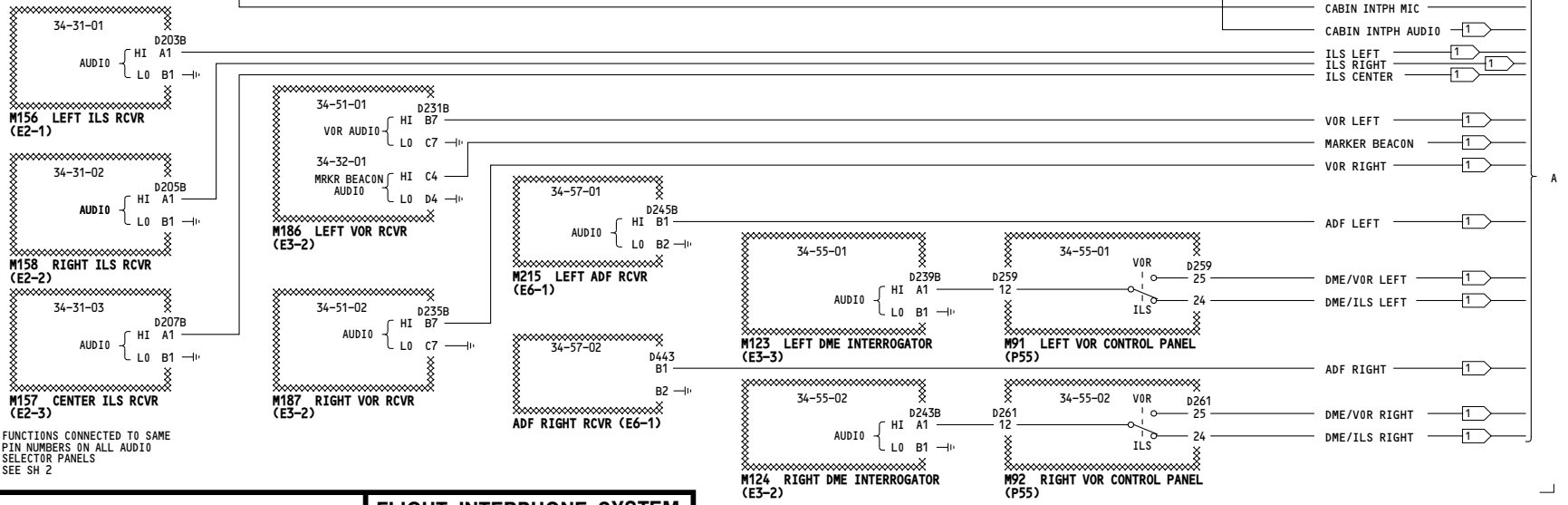
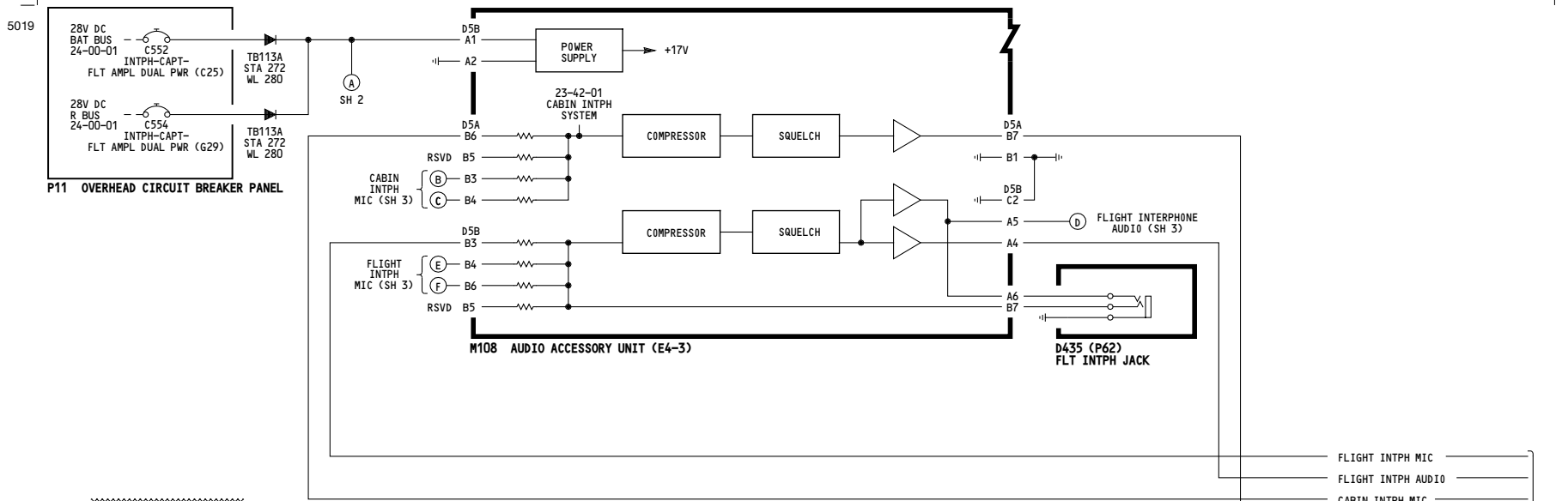
WIRING DIAGRAMS
23-51-11
23-51-12
23-51-14

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

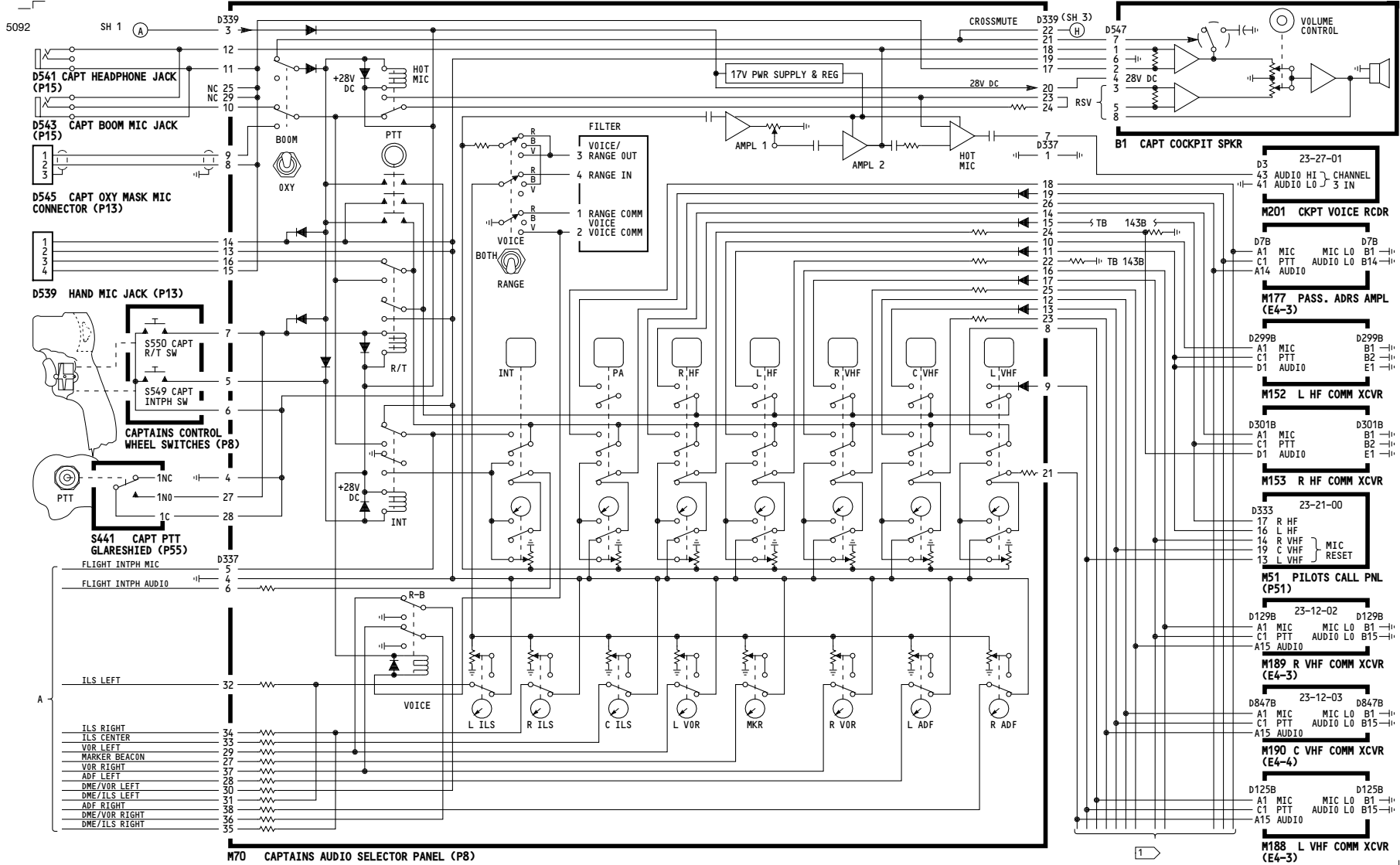
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1 FUNCTIONS CONNECTED TO SAME PIN NUMBERS ON ALL AUDIO SELECTOR PANELS SEE SH 2

001	FLIGHT INTERPHONE SYSTEM
D280N032S	

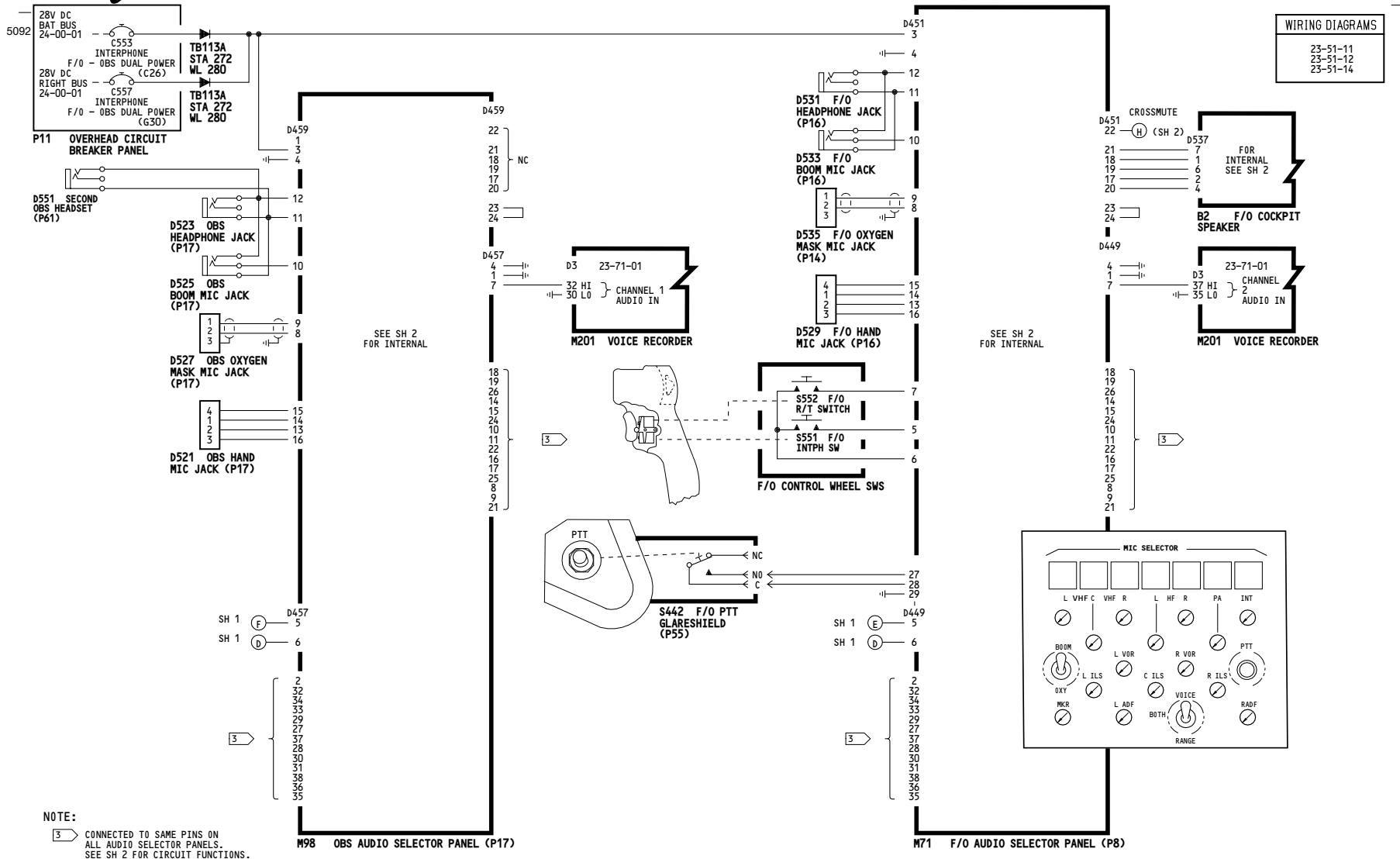
23-51-01



001	FLIGHT INTERPHONE SYSTEM
	D280N032S

Incorporates
 23-0101 R02

23-51-01



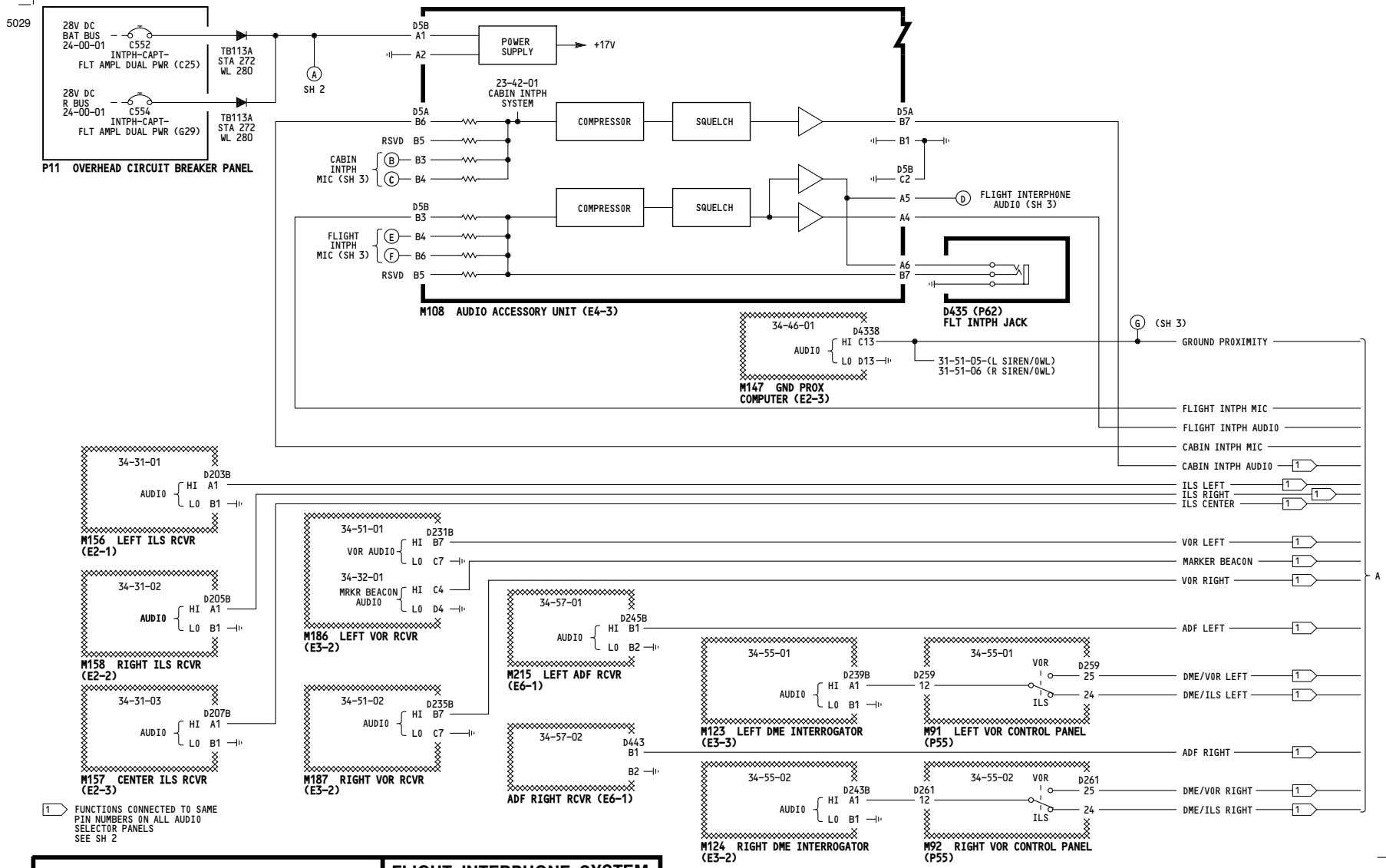
001 **FLIGHT INTERPHONE SYSTEM**

D280N032S

Incorporates
23-0101 R02

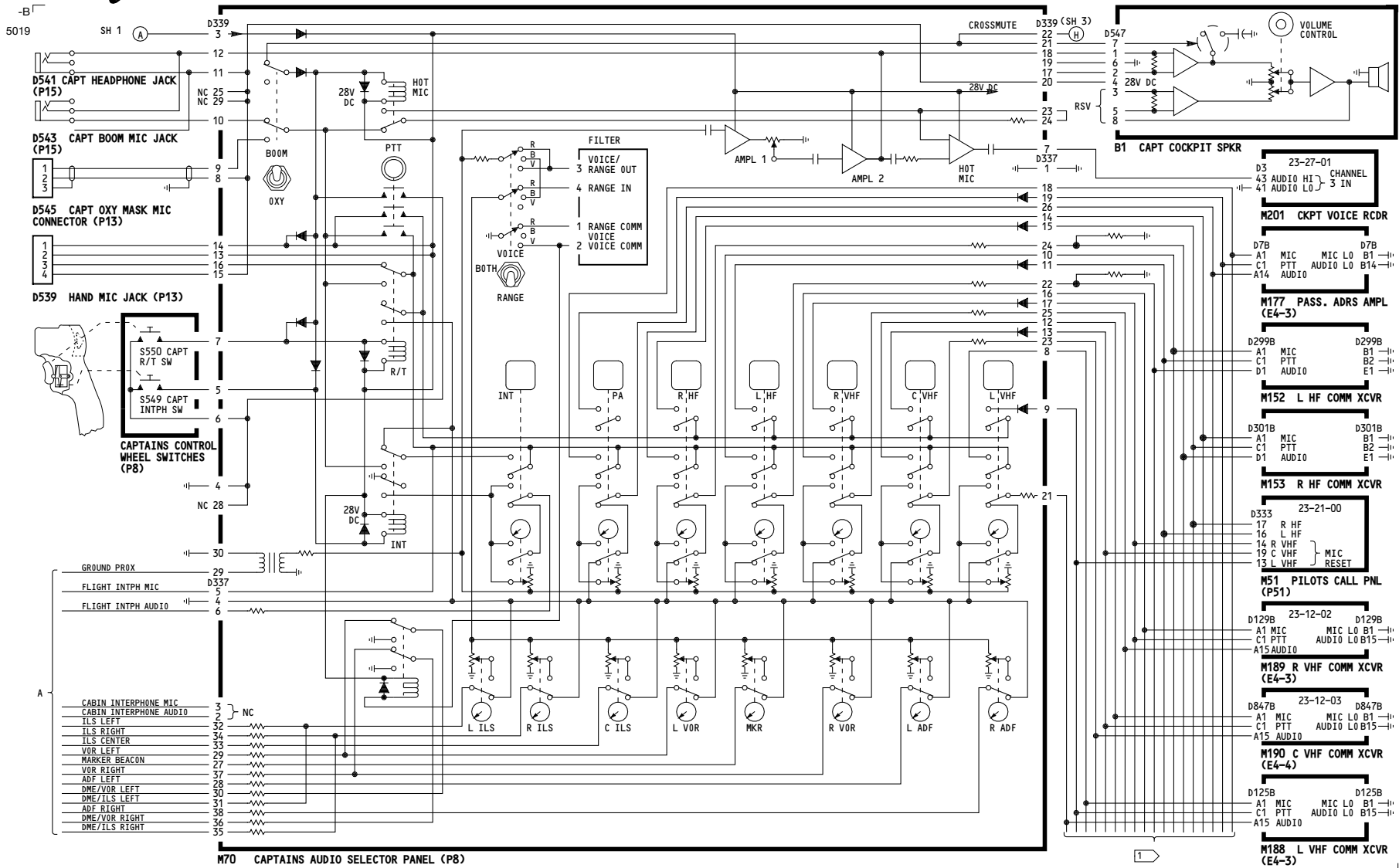
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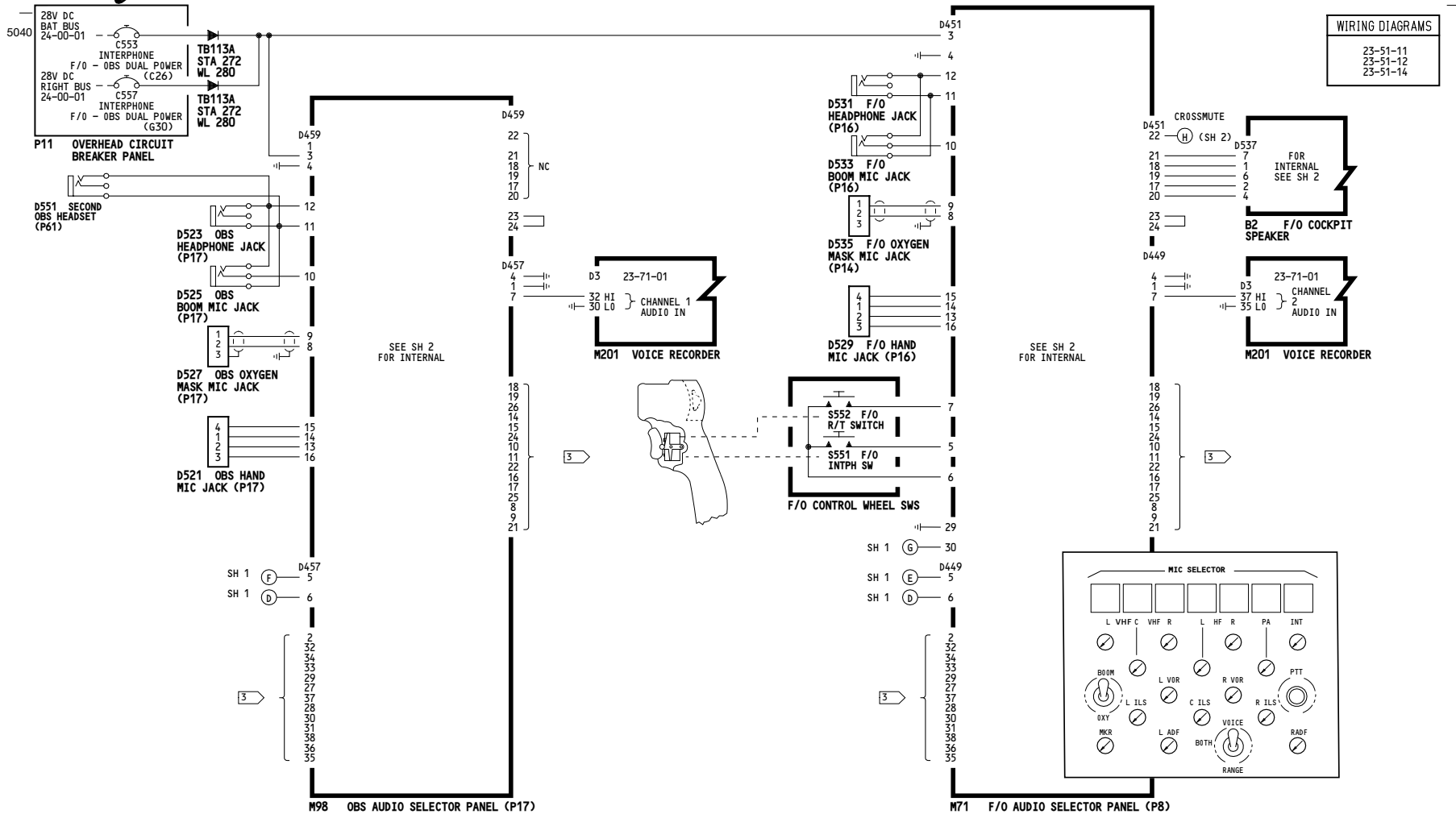
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D280N032S	

23-51-01



009	FLIGHT INTERPHONE SYSTEM
D280N032S	

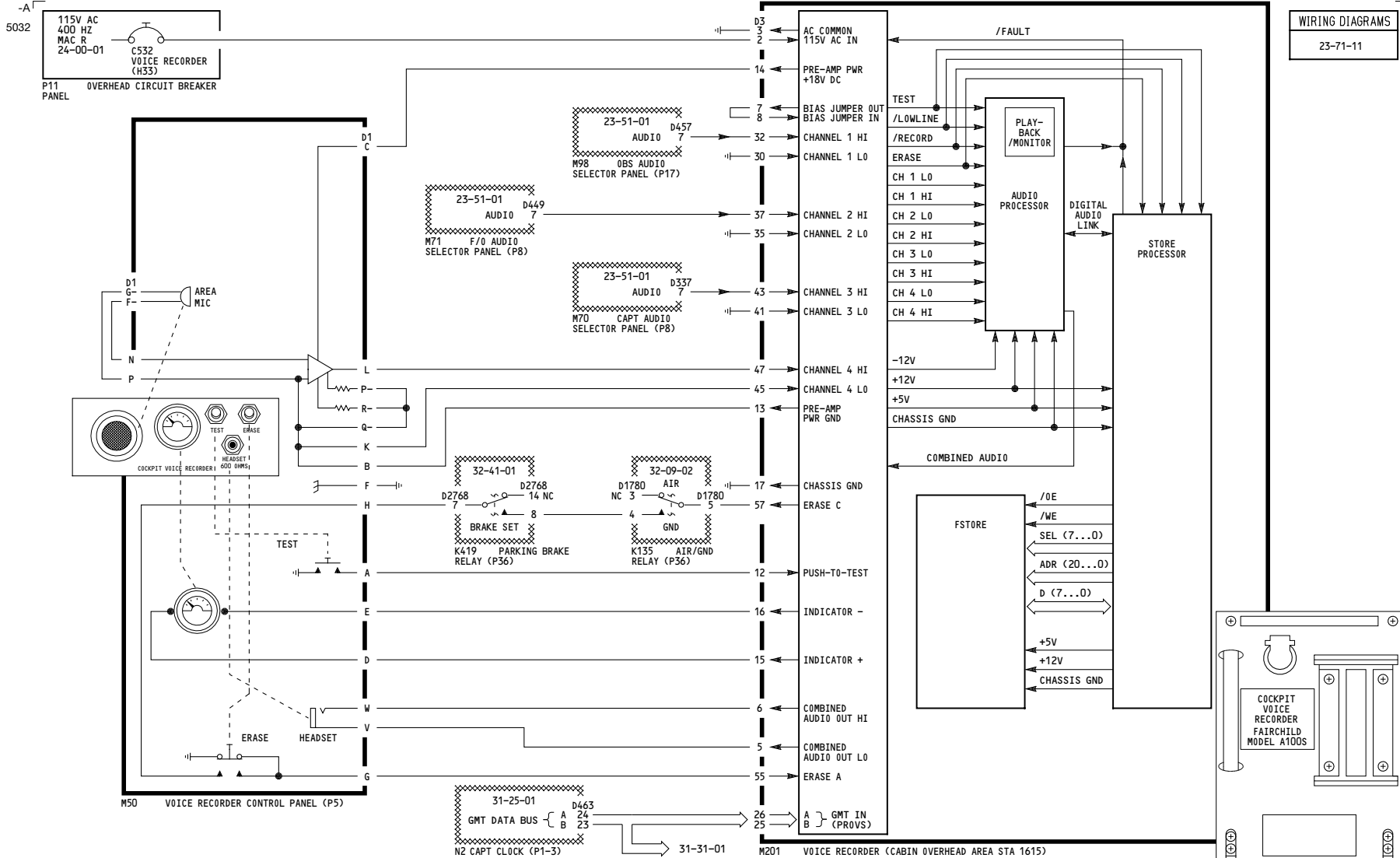
23-51-01



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

009	FLIGHT INTERPHONE SYSTEM
D280N032S	

23-51-01



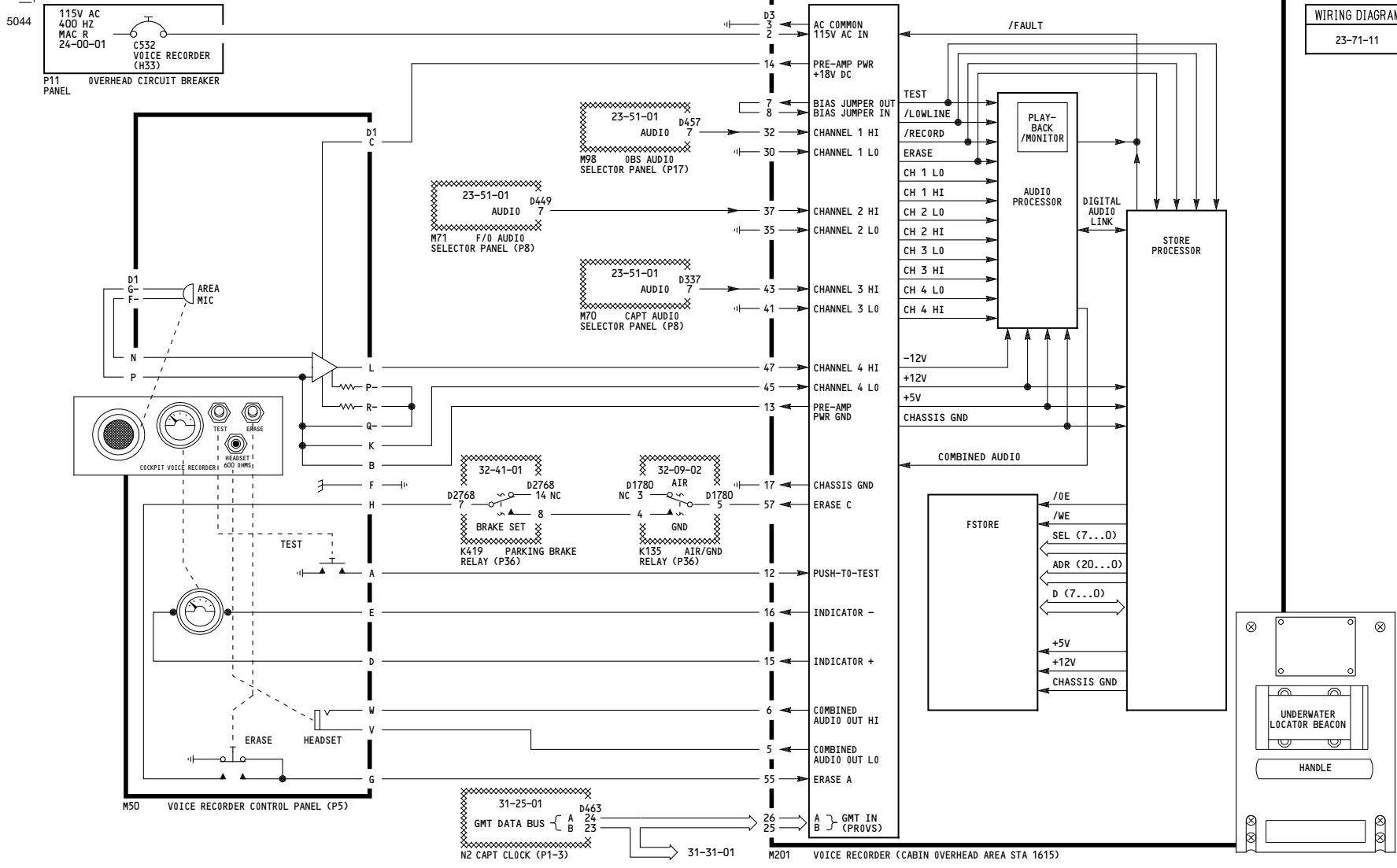
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VOICE RECORDER

D280N032S

23-71-01

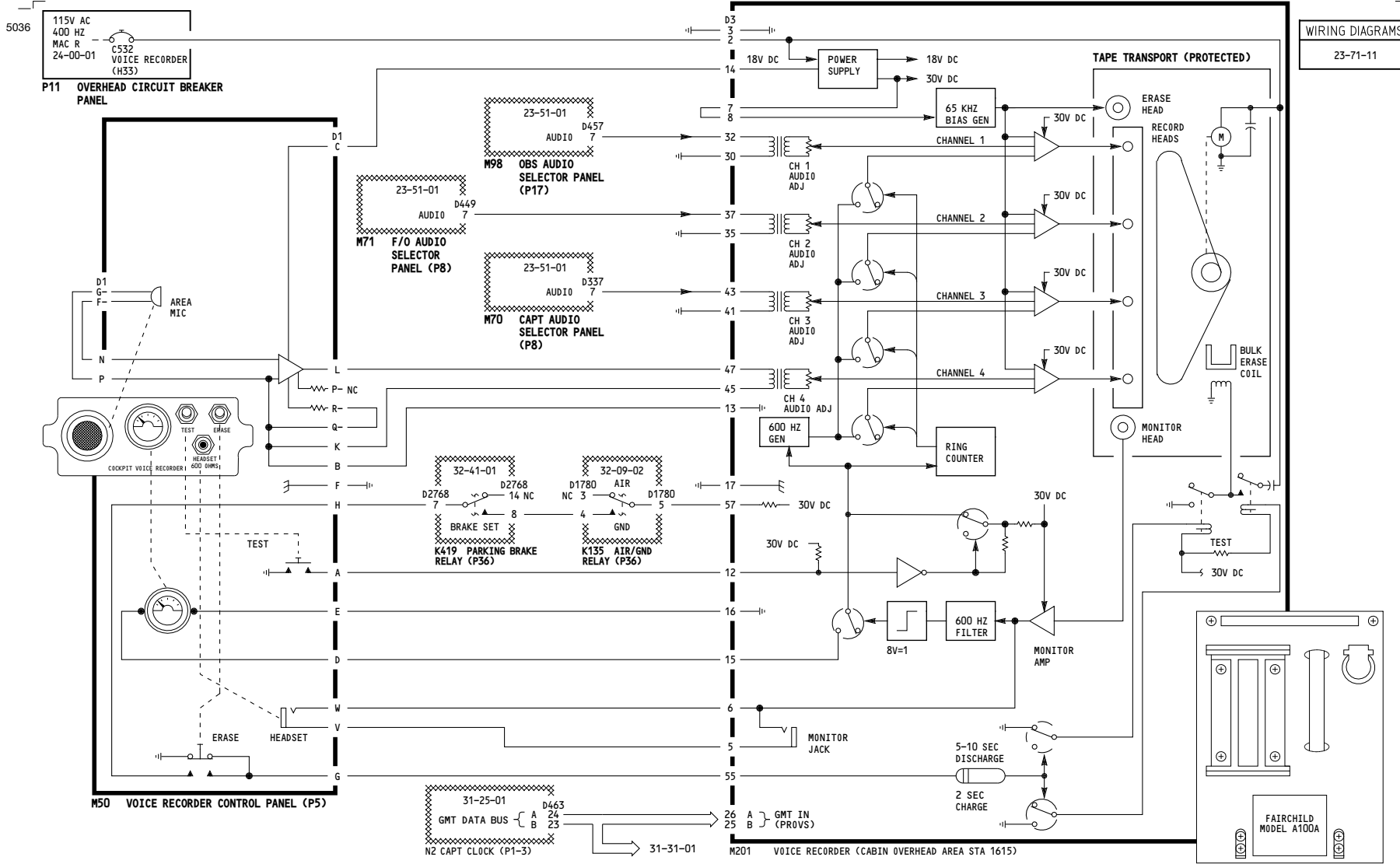
WIRING DIAGRAMS
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002-008	VOICE RECORDER
D280N032S	

23-71-01

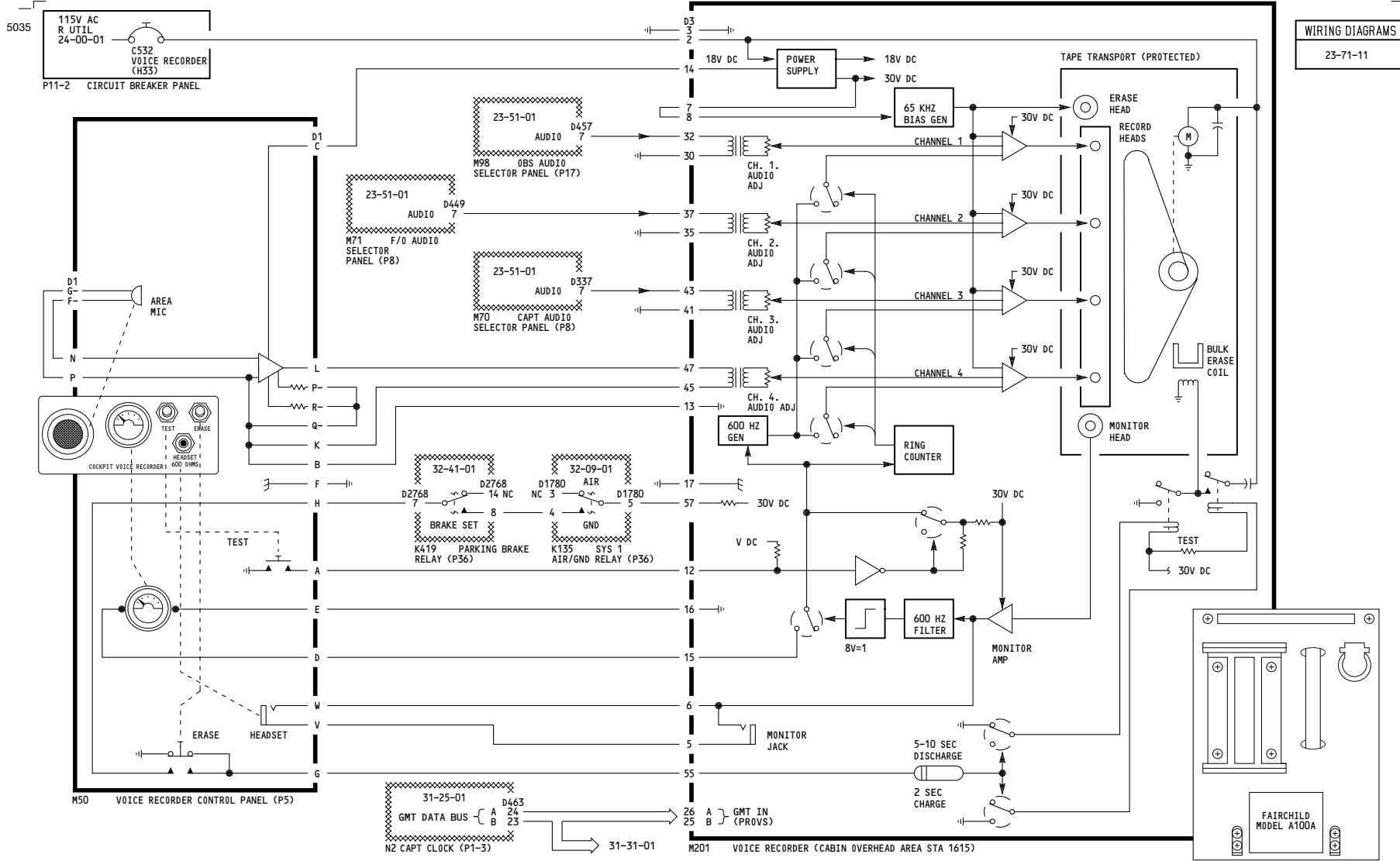
WIRING DIAGRAMS
23-71-11



009	VOICE RECORDER
D280N032S	

23-71-01

WIRING DIAGRAMS
23-71-11



010-099	VOICE RECORDER
D280N032S	

23-71-01