

CHAPTER

21

AIR CONDITIONING



CHAPTER 21
AIR CONDITIONING

CH-SC-SU	Schem	Page	Sheet	Date	CH-SC-SU	Schem	Page	Sheet	Date
21-EFFECTIVE PAGES					21-30-00				
		1 thru 5		Oct 09/2008			101	1	Jan 21/2005
		6		BLANK				2	Jan 21/2005
21-CONTENTS					21-31-01				
		1		Dec 18/2007			101	1	Aug 01/2005
		2		Dec 18/2007				2	Jan 21/2005
		3		Dec 18/2007			102	1	Aug 01/2005
		4		Dec 18/2007				2	Jan 21/2005
		5		Dec 18/2007			103	1	Aug 01/2005
		6		Dec 18/2007				2	Jan 21/2005
		7		Dec 18/2007			104	1	Aug 01/2005
		8		Dec 18/2007				2	Jan 21/2005
21-ALPHABETICAL INDEX					21-31-02				
		1		Dec 18/2007			101	1	Aug 01/2005
		2		Dec 18/2007				2	Jan 21/2005
21-00-00							102	1	Aug 01/2005
		101	1	Jan 21/2005				2	Jan 21/2005
			2	Jan 21/2005			103	1	Aug 01/2005
21-20-01								2	Jan 21/2005
		101		Jan 21/2005			104	1	Jan 21/2005
		102		Jan 21/2005				2	Jan 21/2005
21-25-03									
		101		Jan 21/2005	21-31-03				
		101.1		Jan 21/2005			101		Jan 21/2005
							102		Jan 21/2005

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

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21-31-03 (cont.)		103		Jan 21/2005	21-51-01 (cont.)		102	2	Jan 21/2005
		104		Jan 21/2005	21-51-02			1	Jan 21/2005
21-33-01							101	2	Jan 21/2005
		101		Jan 21/2005	21-51-03			1	Jan 21/2005
21-43-01							101	2	Jan 21/2005
		101		Jan 21/2005				1	Jan 21/2005
		102		Jan 21/2005				2	Jan 21/2005
21-44-01								3	Jan 21/2005
		101	1	Jan 21/2005				4	Jan 21/2005
			2	Dec 18/2007				5	Jan 21/2005
		102	1	Jan 21/2005			102	1	Jan 21/2005
			2	Dec 18/2007				2	Jan 21/2005
21-45-01								3	Jan 21/2005
		101		Jan 21/2005				4	Jan 21/2005
		102		Jan 21/2005				5	Jan 21/2005
		103		Dec 18/2007	21-51-04				
21-51-00							101	1	Jan 21/2005
		101	1	Jan 21/2005				2	Jan 21/2005
			2	Jan 21/2005				3	Jan 21/2005
21-51-01								4	Jan 21/2005
		101	1	Jan 21/2005				5	Jan 21/2005
			2	Jan 21/2005			102	1	Jan 21/2005
		102	1	Jan 21/2005				2	Jan 21/2005

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

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AIR CONDITIONING

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21-51-04 (cont.)		102			21-51-08				
			3	Jan 21/2005			101	1	Jan 21/2005
			4	Jan 21/2005				2	Jan 21/2005
			5	Jan 21/2005			102	1	Jan 21/2005
21-51-05								2	Jan 21/2005
	101		1	Jan 21/2005	21-51-09				
			2	Jan 21/2005			101		Jan 21/2005
			3	Jan 21/2005			102		Jan 21/2005
	102		1	Jan 21/2005	21-51-10				
			2	Jan 21/2005			101		Jan 21/2005
			3	Jan 21/2005			102		Jan 21/2005
21-51-06					21-52-01				
	101		1	Jan 21/2005			101		Jan 21/2005
			2	Jan 21/2005			102		Jan 21/2005
			3	Jan 21/2005	21-52-02				
	102		1	Jan 21/2005			101		Jan 21/2005
			2	Jan 21/2005	21-52-03				
			3	Jan 21/2005			101		Jan 21/2005
21-51-07							102		Jan 21/2005
	101		1	Jan 21/2005	21-58-00				
			2	Jan 21/2005			101		Jan 21/2005
	102		1	Jan 21/2005			101.1		Jan 21/2005
			2	Jan 21/2005			102		Jan 21/2005
							102.1		Jan 21/2005

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AIR CONDITIONING

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21-58-01		101		Jan 21/2005	21-61-01 (cont.)		101	3	Jan 21/2005
		101.1		Jan 21/2005				4	Jan 21/2005
		102		Jan 21/2005			102	1	Jan 21/2005
		102.1		Jan 21/2005				2	Jan 21/2005
21-58-02								3	Jan 21/2005
		101	1	Dec 18/2007				4	Jan 21/2005
			2	Jan 21/2005	21-61-02				
		102	1	Dec 18/2007			101	1	Jan 21/2005
			2	Jan 21/2005				2	Jan 21/2005
21-58-06								3	Jan 21/2005
		101		Jan 21/2005				4	Jan 21/2005
		101.1		Jan 21/2005			102	1	Jan 21/2005
		102		Jan 21/2005				2	Jan 21/2005
		102.1		Jan 21/2005				3	Jan 21/2005
21-58-10								4	Jan 21/2005
		101		Jan 21/2005	21-61-03				
		102		Jan 21/2005			101	1	Jan 21/2005
21-58-11								2	Jan 21/2005
		101		Dec 18/2007				3	Jan 21/2005
		102		Jan 21/2005				4	Jan 21/2005
21-61-01							102	1	Jan 21/2005
		101	1	Jan 21/2005				2	Jan 21/2005
			2	Jan 21/2005				3	Jan 21/2005

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AIR CONDITIONING

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21-61-03 (cont.)		102							
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21-61-04									
		101		Jan 21/2005					
21-61-05									
		101		Jan 21/2005					
		102		Jan 21/2005					
21-64-01									
		101		Jan 21/2005					
21-65-01									
		101		Jan 21/2005					
		102		Jan 21/2005					
21-65-02									
		101		Jan 21/2005					

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<u>AIR CONDITIONING</u>						
AIR CONDITIONING SYSTEM - SIMPLIFIED	21-00-00		101	1	Jan 21/2005	ALL
				2	Jan 21/2005	ALL
<u>DISTRIBUTION</u>						
CONDITIONED AIR DISTRIBUTION	21-20-01		101		Jan 21/2005	001-099
			102		Jan 21/2005	115-199
<u>CABIN AIR RECIRCULATION SYSTEM</u>						
EQUIPMENT COOLING - RECIRCULATION SYSTEM	21-25-03		101		Jan 21/2005	ALL
			101.1		Jan 21/2005	001-115
<u>PRESSURIZATION CONTROL</u>						
CABIN PRESSURIZATION CONTROL SYSTEM - SIMPLIFIED	21-30-00		101	1	Jan 21/2005	ALL
				2	Jan 21/2005	ALL
<u>PRESSURIZATION CONTROL SYSTEM</u>						
PRESSURIZATION CONTROL AUTO 1	21-31-01		101	1	Aug 01/2005	001-003 005 007-008
				2	Jan 21/2005	001-003 005 007-008
			102	1	Aug 01/2005	004 006
				2	Jan 21/2005	004 006
			103	1	Aug 01/2005	009-099
				2	Jan 21/2005	009-099
			104	1	Aug 01/2005	115-199
				2	Jan 21/2005	115-199
PRESSURIZATION CONTROL AUTO 2	21-31-02		101	1	Aug 01/2005	001-003 005 007-008

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AIR CONDITIONING

Title	CH-SC-SU	Schem	Page	Sheet	Date	Effectivity	
PRESSURIZATION CONTROL AUTO 2 (cont.)	21-31-02			2	Jan 21/2005	001-003 005 007-008	
				102	1	Aug 01/2005	004 006
					2	Jan 21/2005	004 006
				103	1	Aug 01/2005	009-099
					2	Jan 21/2005	009-099
				104	1	Jan 21/2005	115-199
			2	Jan 21/2005	115-199		
MANUAL PRESSURIZATION CONTROL	21-31-03		101		Jan 21/2005	001-003 005 007-008	
			102		Jan 21/2005	004 006	
			103		Jan 21/2005	009-099	
			104		Jan 21/2005	115-199	
<u>PRESSURIZATION INDICATING AND WARNING SYSTEM</u>							
CABIN PRESSURE INDICATION AND WARNING	21-33-01		101		Jan 21/2005	ALL	
<u>FORWARD CARGO COMPARTMENT HEATING SYSTEM</u>							
FORWARD CARGO HEATING	21-43-01		101		Jan 21/2005	001-099	
			102		Jan 21/2005	115-199	
<u>AFT/BULK CARGO COMPARTMENT HEATING SYSTEM</u>							
AFT CARGO HEATING	21-44-01			1	Jan 21/2005	001-099	
				2	Dec 18/2007	001-099	
			102	1	Jan 21/2005	115-199	
				2	Dec 18/2007	115-199	
<u>SUPPLEMENTAL HEATING SYSTEM</u>							
FLIGHT DECK SUPPLEMENTAL HEATING	21-45-01		101		Jan 21/2005	001-002 115-199	



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Title	CH-SC-SU	Schem	Page	Sheet	Date	Effectivity	
FLIGHT DECK SUPPLEMENTAL HEATING (cont.)	21-45-01		102		Jan 21/2005	003-009	
			103		Dec 18/2007	010-099	
<u>AIR COOLING PACK SYSTEM</u>							
AIR CONDITIONING PACKS - SIMPLIFIED	21-51-00		101	1	Jan 21/2005	ALL	
				2	Jan 21/2005	ALL	
LEFT PACK FLOW CONTROL	21-51-01		101	1	Jan 21/2005	001-099	
				2	Jan 21/2005	001-099	
				102	1	Jan 21/2005	115-199
				2	Jan 21/2005	115-199	
RIGHT PACK FLOW CONTROL	21-51-02		101	1	Jan 21/2005	ALL	
				2	Jan 21/2005	ALL	
LEFT PACK CONTROL - AUTO	21-51-03		101	1	Jan 21/2005	001-099	
				2	Jan 21/2005	001-099	
				3	Jan 21/2005	001-099	
				4	Jan 21/2005	001-099	
				5	Jan 21/2005	001-099	
				102	1	Jan 21/2005	115-199
				2	Jan 21/2005	115-199	
				3	Jan 21/2005	115-199	
				4	Jan 21/2005	115-199	
				5	Jan 21/2005	115-199	
RIGHT PACK CONTROL - AUTO	21-51-04		101	1	Jan 21/2005	001-099	
				2	Jan 21/2005	001-099	



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Title	CH-SC-SU	Schem	Page	Sheet	Date	Effectivity				
RIGHT PACK CONTROL - AUTO (cont.)	21-51-04			3	Jan 21/2005	001-099				
				4	Jan 21/2005	001-099				
				5	Jan 21/2005	001-099				
				102	1	Jan 21/2005	115-199			
				2	Jan 21/2005	115-199				
				3	Jan 21/2005	115-199				
				4	Jan 21/2005	115-199				
				5	Jan 21/2005	115-199				
				LEFT PACK CONTROL - STANDBY	21-51-05		101	1	Jan 21/2005	001-099
								2	Jan 21/2005	001-099
3	Jan 21/2005	001-099								
102	1	Jan 21/2005	115-199							
2	Jan 21/2005	115-199								
3	Jan 21/2005	115-199								
RIGHT PACK CONTROL - STANDBY	21-51-06		101	1	Jan 21/2005	001-099				
				2	Jan 21/2005	001-099				
				3	Jan 21/2005	001-099				
				102	1	Jan 21/2005	115-199			
				2	Jan 21/2005	115-199				
				3	Jan 21/2005	115-199				
LEFT PACK LOW LIMIT VALVE CONTROL	21-51-07		101	1	Jan 21/2005	001-099				
				2	Jan 21/2005	001-099				
				102	1	Jan 21/2005	115-199			



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Title	CH-SC-SU	Schem	Page	Sheet	Date	Effectivity
LEFT PACK LOW LIMIT VALVE CONTROL (cont.)	21-51-07			2	Jan 21/2005	115-199
RIGHT PACK LOW LIMIT VALVE CONTROL	21-51-08		101	1	Jan 21/2005	001-099
				2	Jan 21/2005	001-099
			102	1	Jan 21/2005	115-199
				2	Jan 21/2005	115-199
LEFT PACK PROTECTION	21-51-09		101		Jan 21/2005	001-099
			102		Jan 21/2005	115-199
RIGHT PACK PROTECTION	21-51-10		101		Jan 21/2005	001-099
			102		Jan 21/2005	115-199
<u>COOLING PACK TEMPERATURE INDICATION</u>						
AIR CONDITIONING PACK TEMPERATURE INDICATION	21-52-01		101		Jan 21/2005	001-099
			102		Jan 21/2005	115-199
PACK DOOR AND VALVE POSITION INDICATION	21-52-02		101		Jan 21/2005	ALL
PACK FLOW INDICATION	21-52-03		101		Jan 21/2005	001-008 115-199
			102		Jan 21/2005	009-099
<u>EQUIPMENT COOLING SYSTEM</u>						
EQUIPMENT COOLING - SIMPLIFIED	21-58-00		101		Jan 21/2005	001-099
			101.1		Jan 21/2005	001-011
			102		Jan 21/2005	115-199
			102.1		Jan 21/2005	115
EQUIPMENT COOLING FAILURE - LOW FLOW DETECTION	21-58-01		101		Jan 21/2005	001-099
			101.1		Jan 21/2005	001-011



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EQUIPMENT COOLING FAILURE - LOW FLOW DETECTION (cont.)	21-58-01		102		Jan 21/2005	115-199	
			102.1		Jan 21/2005	115	
EQUIPMENT COOLING - SMOKE CONTROL	21-58-02		101	1	Dec 18/2007	001-099	
				2	Jan 21/2005	001-099	
				102	1	Dec 18/2007	115-199
				2	Jan 21/2005	115-199	
EQUIPMENT COOLING - AUTOMATIC TEST	21-58-06		101		Jan 21/2005	001-099	
				101.1	Jan 21/2005	001-011	
				102	Jan 21/2005	115-199	
				102.1	Jan 21/2005	115	
EQUIPMENT COOLING - AUXILIARY FAN	21-58-10		101		Jan 21/2005	001-002 115-199	
			102		Jan 21/2005	003-099	
EQUIPMENT COOLING - FANS	21-58-11		101		Dec 18/2007	001-099	
			102		Jan 21/2005	115-199	
<u>PRIMARY (ZONE) TEMPERATURE CONTROL SYSTEM</u>							
FLIGHT DECK ZONE TEMPERATURE CONTROL	21-61-01		101	1	Jan 21/2005	001-099	
				2	Jan 21/2005	001-099	
				3	Jan 21/2005	001-099	
				4	Jan 21/2005	001-099	
				102	1	Jan 21/2005	115-199
				2	Jan 21/2005	115-199	
				3	Jan 21/2005	115-199	



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FORWARD PASSENGER CABIN ZONE TEMPERATURE CONTROL	21-61-02		101	1	Jan 21/2005	001-099	
				2	Jan 21/2005	001-099	
				3	Jan 21/2005	001-099	
				4	Jan 21/2005	001-099	
				102	1	Jan 21/2005	115-199
					2	Jan 21/2005	115-199
					3	Jan 21/2005	115-199
AFT PASSENGER CABIN ZONE TEMPERATURE CONTROL	21-61-03		101	1	Jan 21/2005	001-099	
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				3	Jan 21/2005	001-099	
				4	Jan 21/2005	001-099	
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					2	Jan 21/2005	115-199
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4	Jan 21/2005	115-199					
TRIM AIR PRESSURE REGULATION	21-61-04		101		Jan 21/2005	ALL	
ZONE TEMPERATURE CONTROLLER	21-61-05		101		Jan 21/2005	001-099	
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<u>VALVE POSITION INDICATION SYSTEM</u>						
ZONE TRIM VALVE POSITION INDICATION	21-64-01		101		Jan 21/2005	ALL
<u>CABIN (ZONE) TEMPERATURE INDICATION SYSTEM</u>						
CABIN ZONE TEMPERATURE INDICATION	21-65-01		101		Jan 21/2005	001-099
			102		Jan 21/2005	115-199
ZONE DUCT TEMPERATURE INDICATION	21-65-02		101		Jan 21/2005	ALL

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21-44-01	AFT CARGO HEATING
21-61-03	AFT PASSENGER CABIN ZONE TEMPERATURE CONTROL
21-52-01	AIR CONDITIONING PACK TEMPERATURE INDICATION
21-51-00	AIR CONDITIONING PACKS - SIMPLIFIED
21-00-00	AIR CONDITIONING SYSTEM - SIMPLIFIED
21-33-01	CABIN PRESSURE INDICATION AND WARNING
21-30-00	CABIN PRESSURIZATION CONTROL SYSTEM - SIMPLIFIED
21-65-01	CABIN ZONE TEMPERATURE INDICATION
21-20-01	CONDITIONED AIR DISTRIBUTION
21-58-06	EQUIPMENT COOLING - AUTOMATIC TEST
21-58-10	EQUIPMENT COOLING - AUXILIARY FAN
21-58-11	EQUIPMENT COOLING - FANS
21-25-03	EQUIPMENT COOLING - RECIRCULATION SYSTEM
21-58-00	EQUIPMENT COOLING - SIMPLIFIED
21-58-02	EQUIPMENT COOLING - SMOKE CONTROL
21-58-01	EQUIPMENT COOLING FAILURE - LOW FLOW DETECTION
21-45-01	FLIGHT DECK SUPPLEMENTAL HEATING
21-61-01	FLIGHT DECK ZONE TEMPERATURE CONTROL

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21-43-01	FORWARD CARGO HEATING
21-61-02	FORWARD PASSENGER CABIN ZONE TEMPERATURE CONTROL
21-51-03	LEFT PACK CONTROL - AUTO
21-51-05	LEFT PACK CONTROL - STANDBY
21-51-01	LEFT PACK FLOW CONTROL
21-51-07	LEFT PACK LOW LIMIT VALVE CONTROL
21-51-09	LEFT PACK PROTECTION
21-31-03	MANUAL PRESSURIZATION CONTROL
21-52-02	PACK DOOR AND VALVE POSITION INDICATION
21-52-03	PACK FLOW INDICATION
21-31-01	PRESSURIZATION CONTROL AUTO 1
21-31-02	PRESSURIZATION CONTROL AUTO 2
21-51-04	RIGHT PACK CONTROL - AUTO
21-51-06	RIGHT PACK CONTROL - STANDBY
21-51-02	RIGHT PACK FLOW CONTROL
21-51-08	RIGHT PACK LOW LIMIT VALVE CONTROL
21-51-10	RIGHT PACK PROTECTION
21-61-04	TRIM AIR PRESSURE REGULATION
21-65-02	ZONE DUCT TEMPERATURE INDICATION

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AIR CONDITIONING

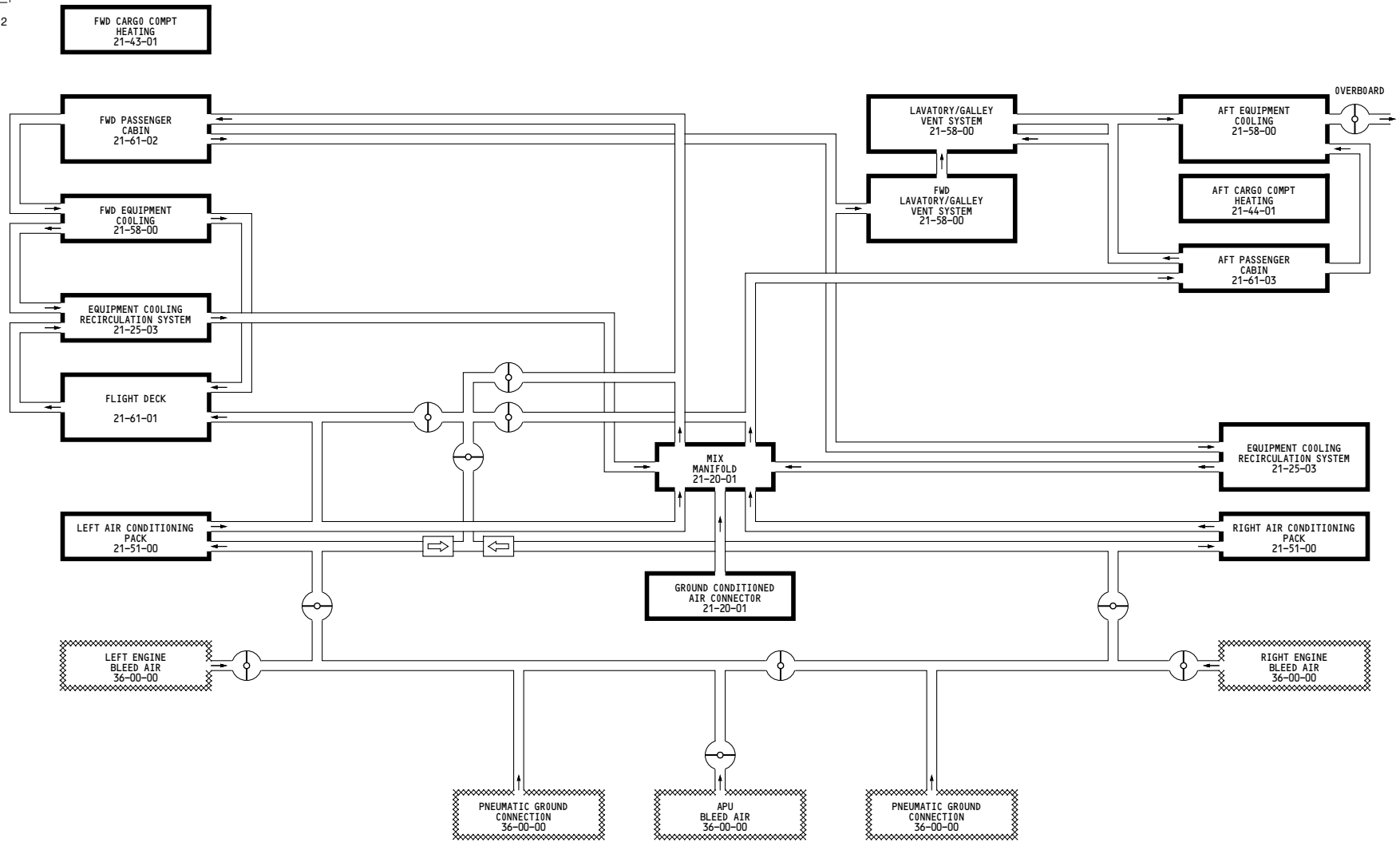
CH-SC-SU	Title
21-61-05	ZONE TEMPERATURE CONTROLLER
21-64-01	ZONE TRIM VALVE POSITION INDICATION

CH-SC-SU	Title
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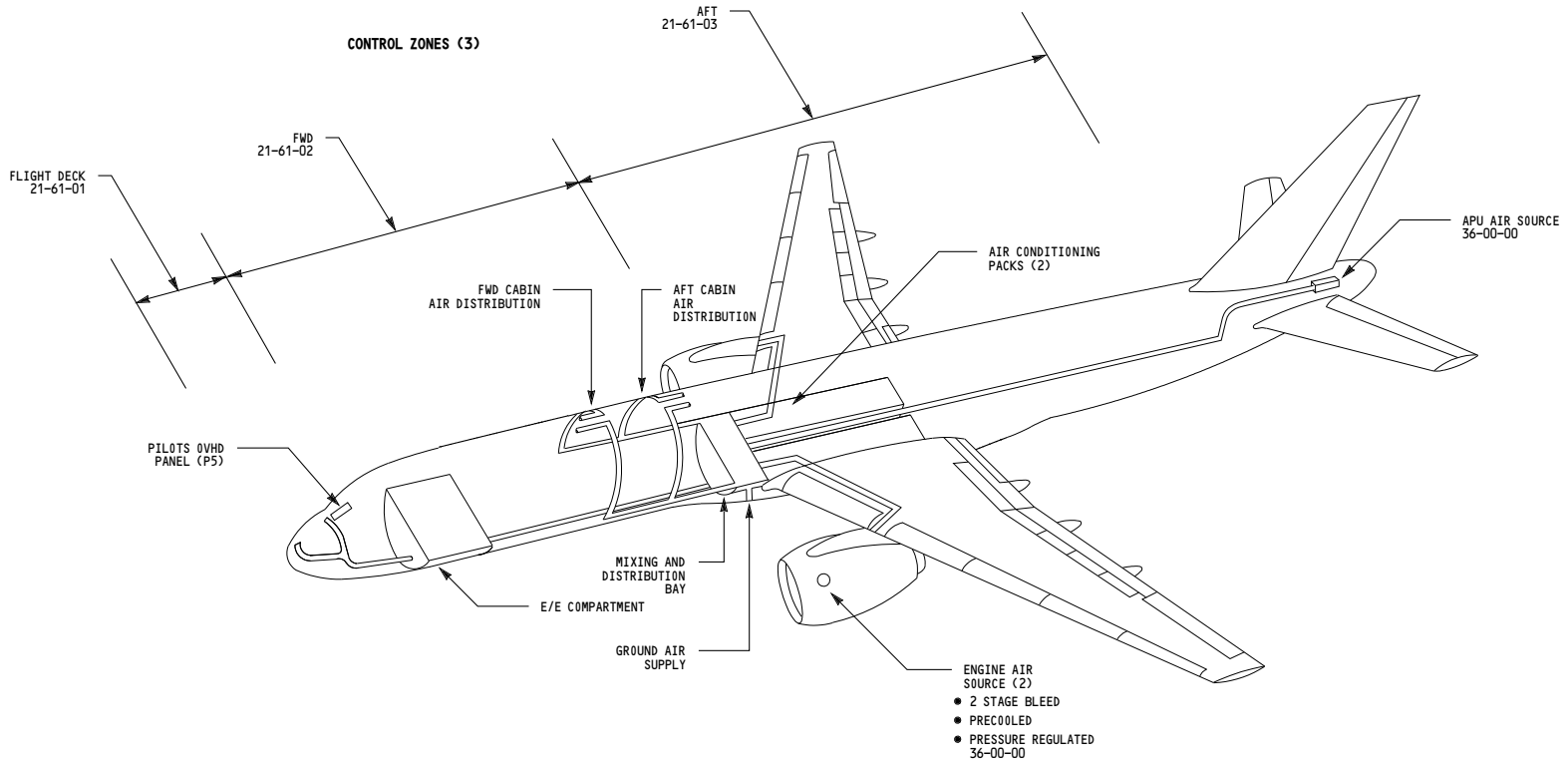
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ALL	<p>AIR CONDITIONING SYSTEM - SIMPLIFIED</p> <p>D280N032S</p>
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21-00-00

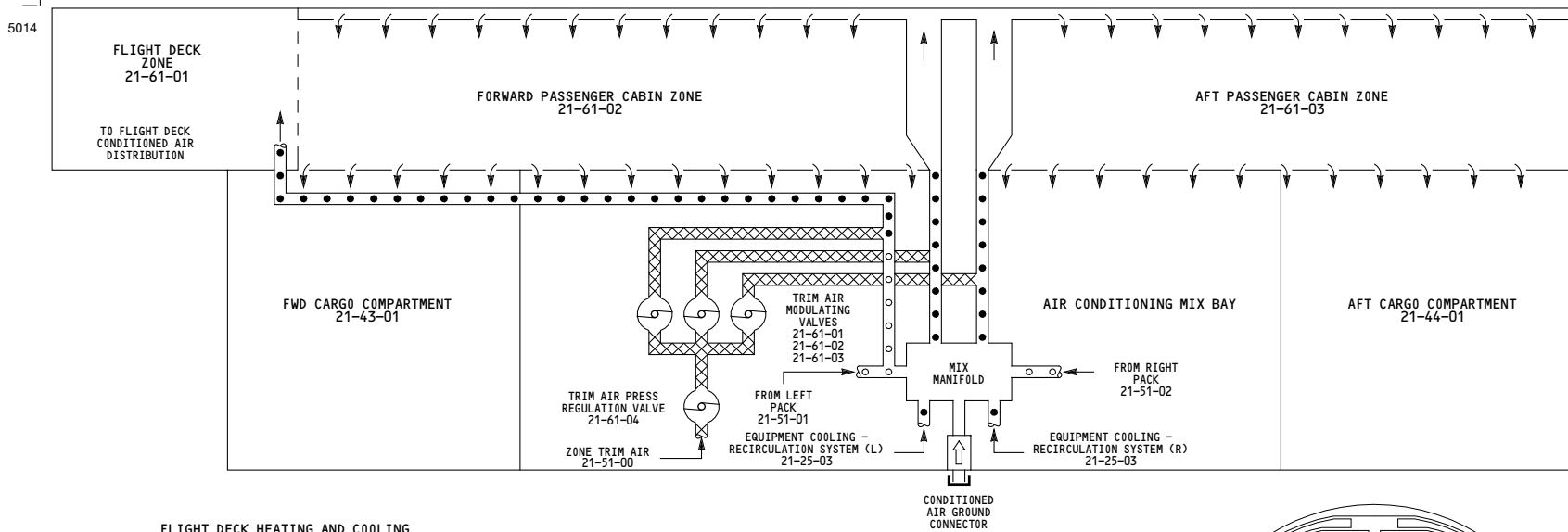
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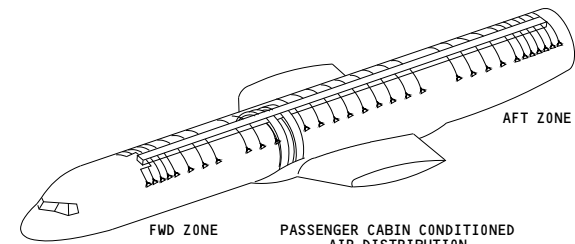
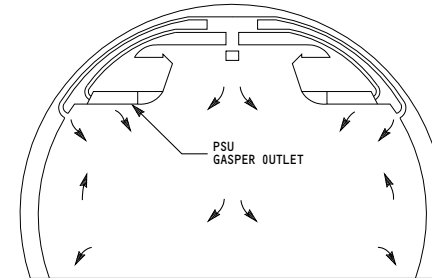
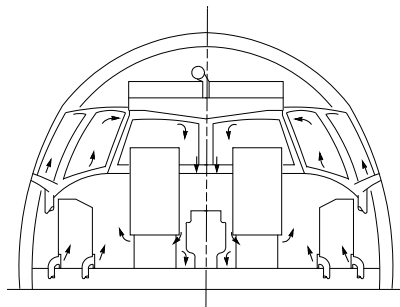
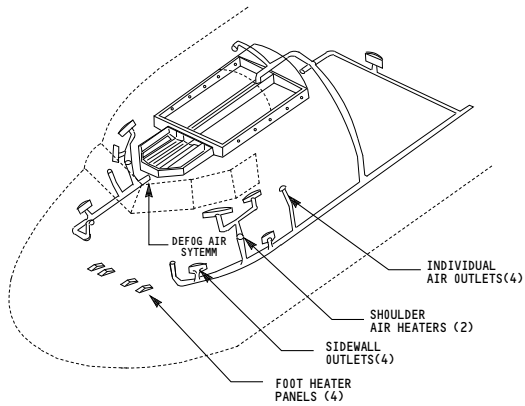
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21-00-00

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Jan 21/2005



FLIGHT DECK HEATING AND COOLING



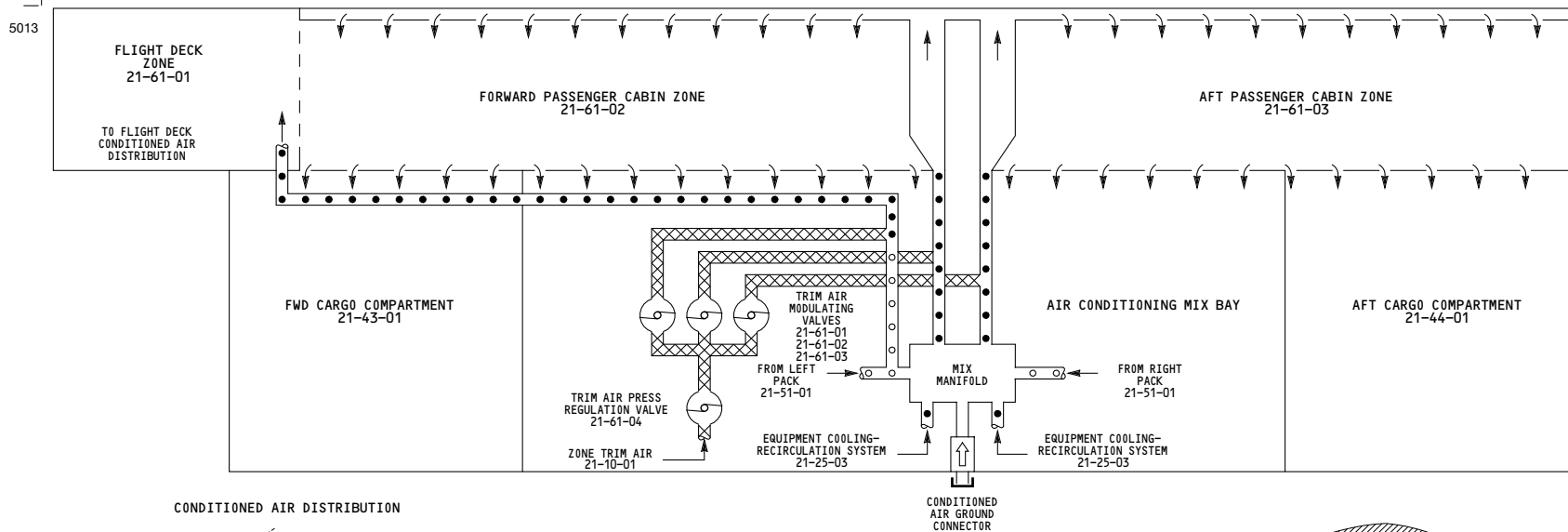
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- ○ ○ ○ COLD AIR
- ⊗ ⊗ ⊗ ⊗ HOT AIR

001-099	<p>CONDITIONED AIR DISTRIBUTION</p> <p>D280N032S</p>
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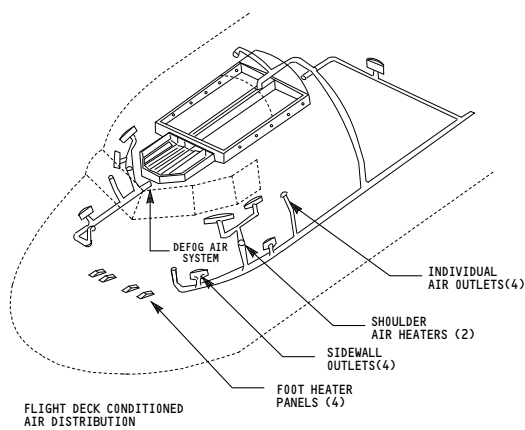
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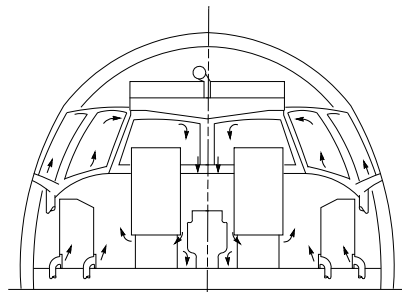
Jan 21/2005



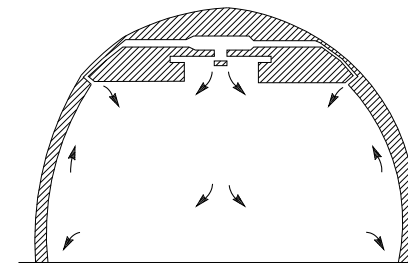
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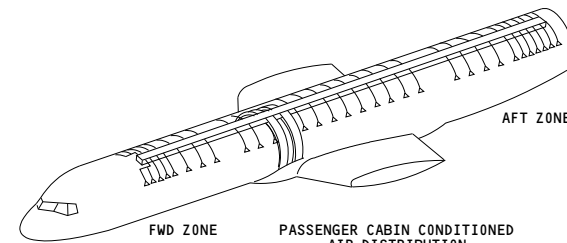
FLIGHT DECK CONDITIONED AIR DISTRIBUTION



FLIGHT DECK AIRFLOW



PASSENGER CABIN AIRFLOW



FWD ZONE

PASSENGER CABIN CONDITIONED AIR DISTRIBUTION

AFT ZONE

- CONDITIONED AIR
- COLD AIR
- HOT AIR

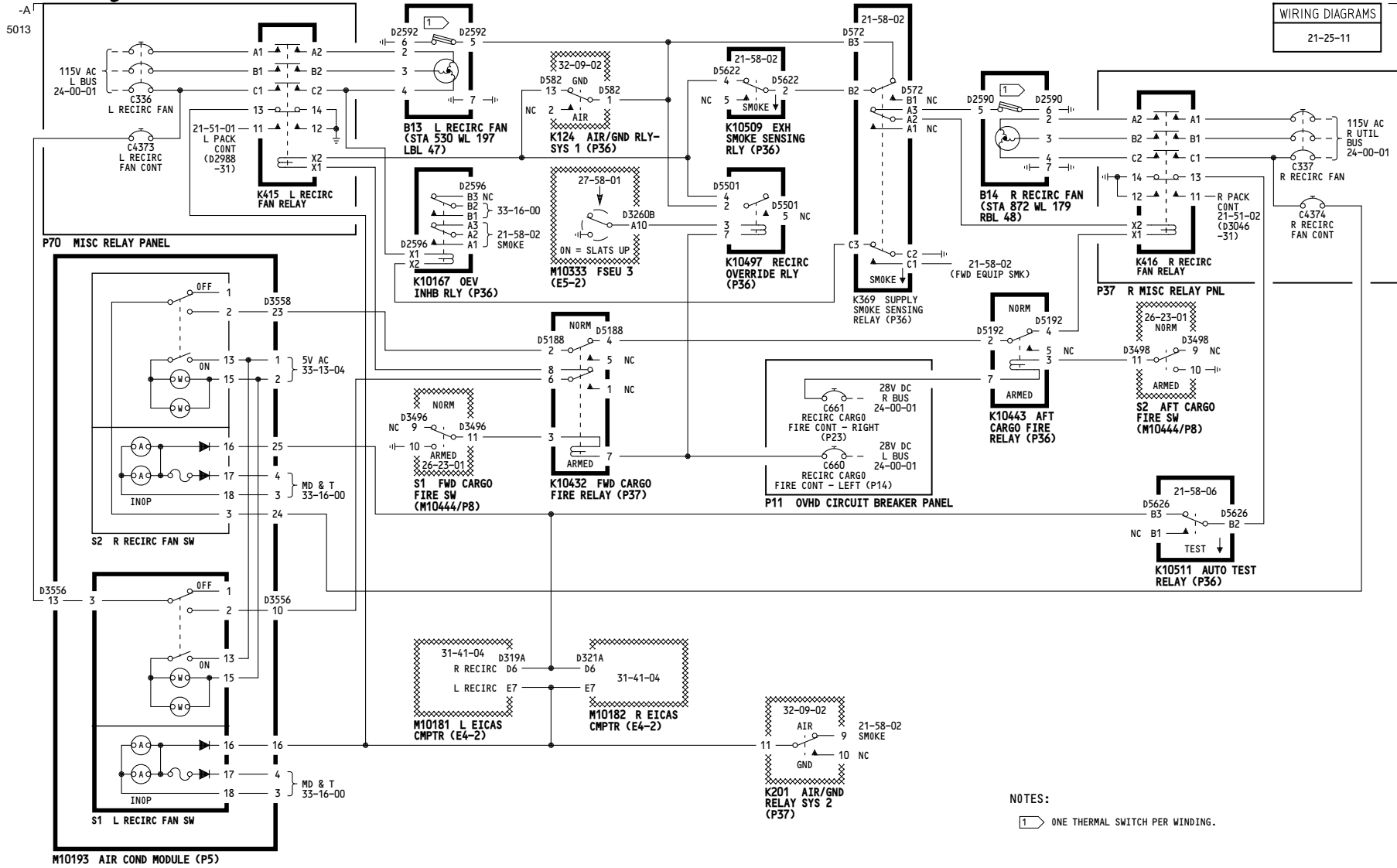
115-199

CONDITIONED AIR DISTRIBUTION

D280N032S

21-20-01

WIRING DIAGRAMS
21-25-11



NOTES:
1 ONE THERMAL SWITCH PER WINDING.

ALL

EQUIPMENT COOLING - RECIRCULATION SYSTEM

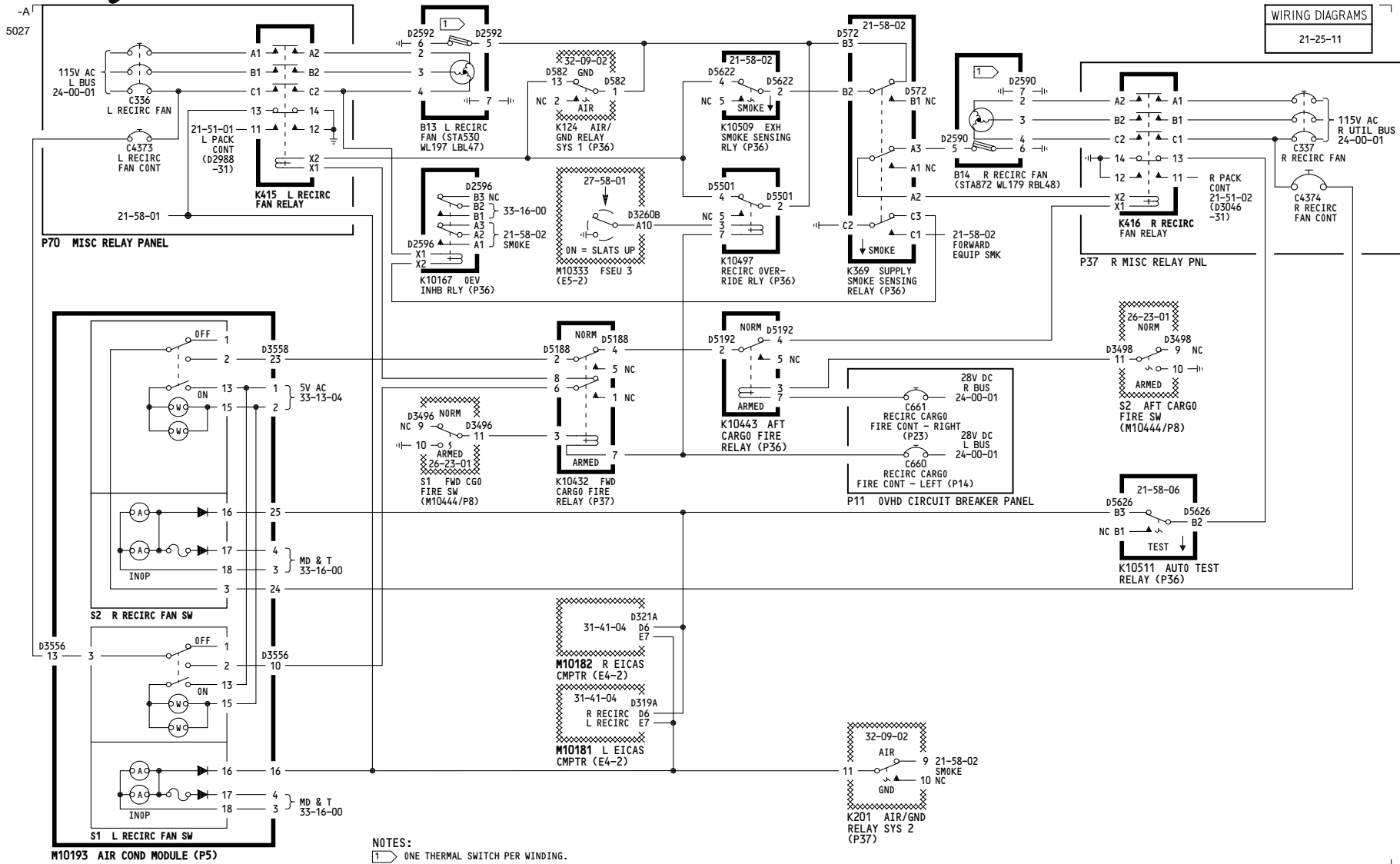
D280N032S

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001-115

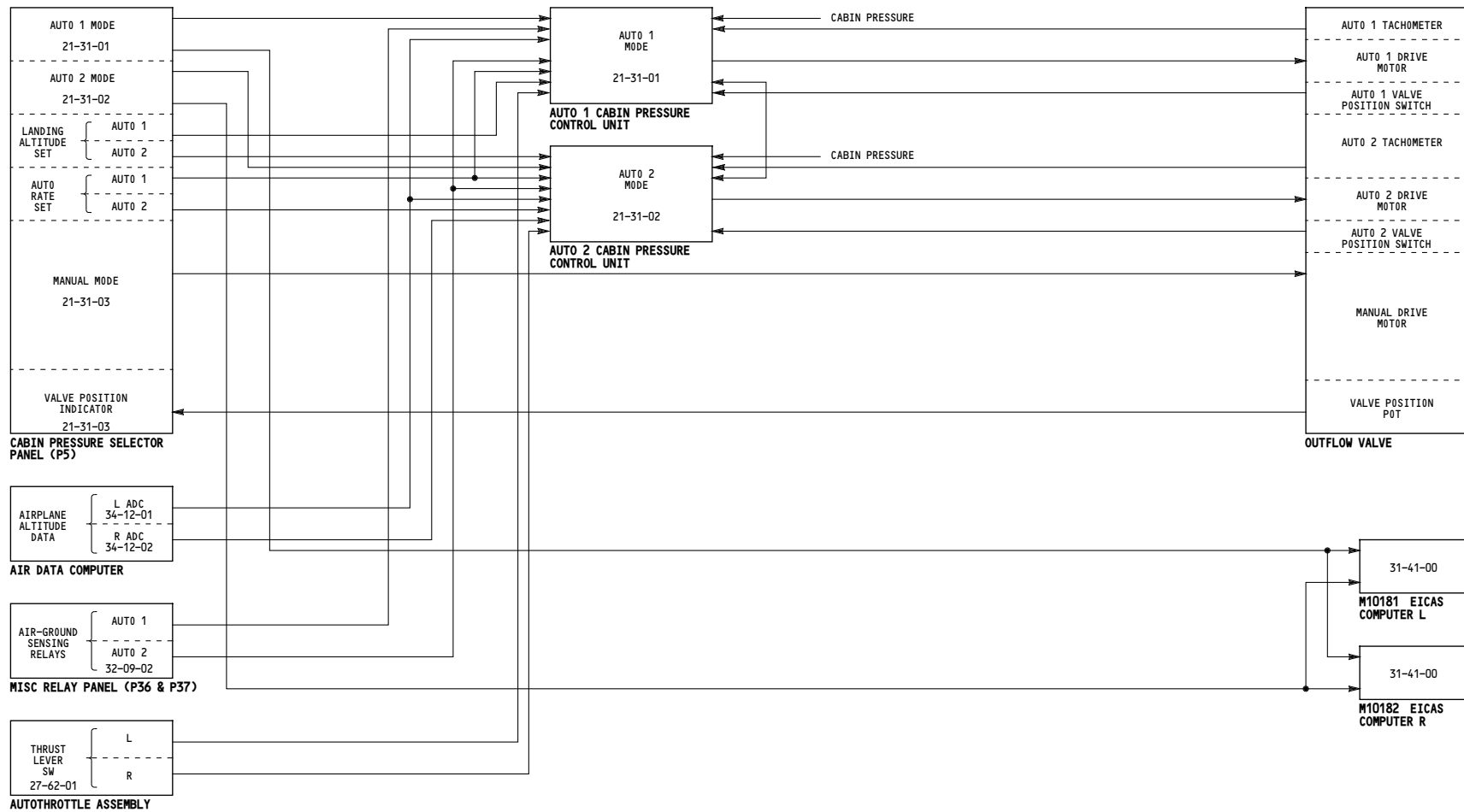
EQUIPMENT COOLING - RECIRCULATION SYSTEM

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5000

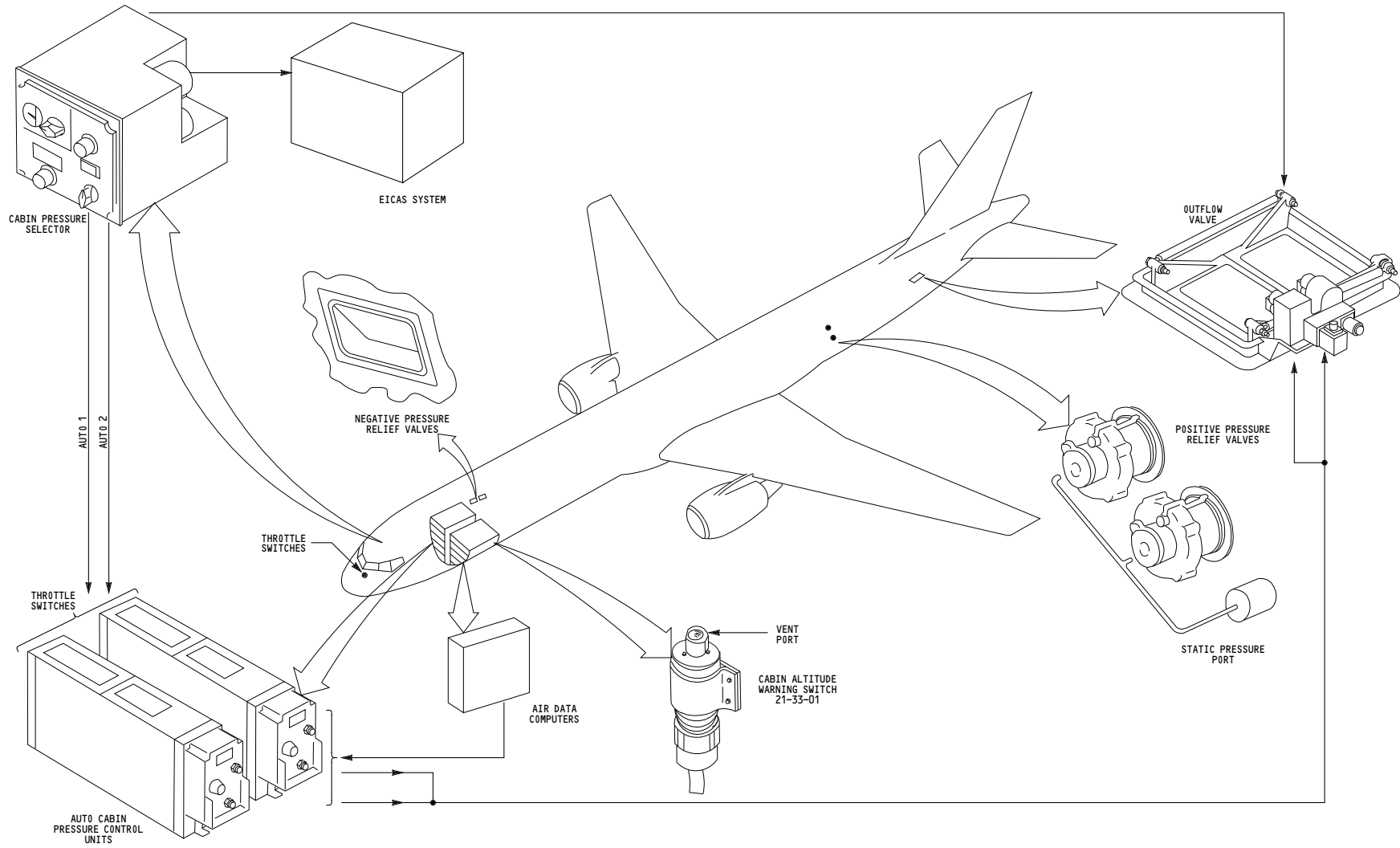


ALL	<p>CABIN PRESSURIZATION CONTROL SYSTEM - SIMPLIFIED</p> <p>D280N032S</p>
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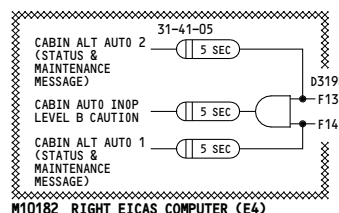
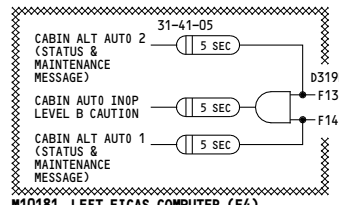
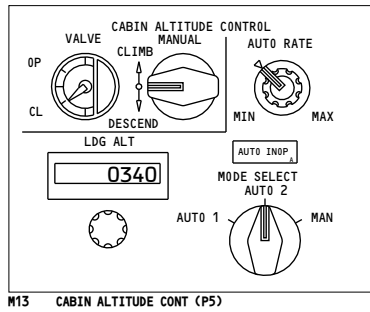
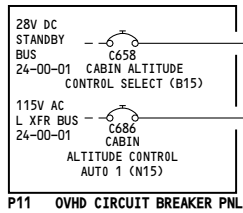
ALL	<p align="center">CABIN PRESSURIZATION CONTROL SYSTEM - SIMPLIFIED</p> <p align="center">D280N032S</p>
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21-30-00

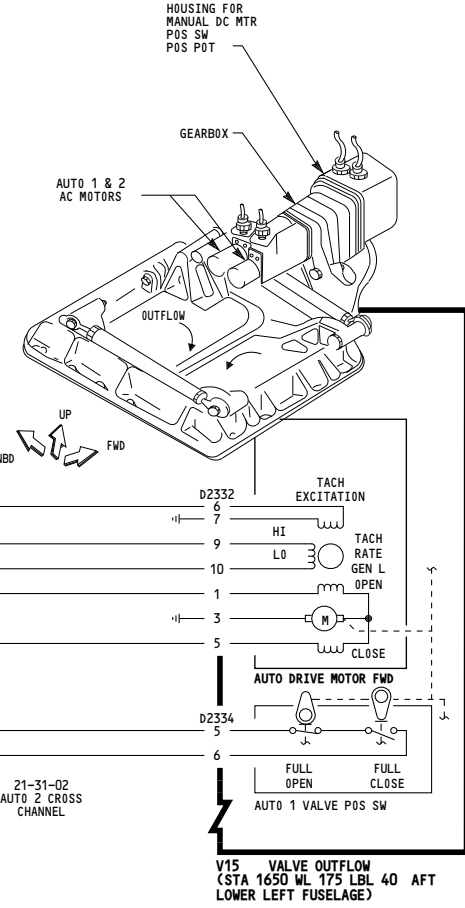
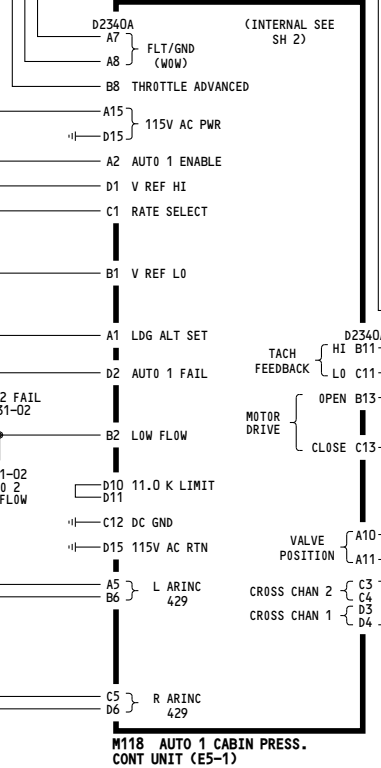
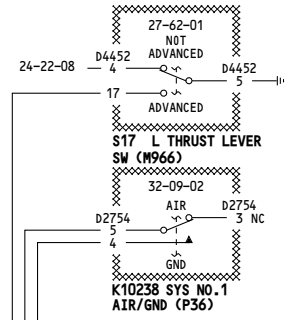
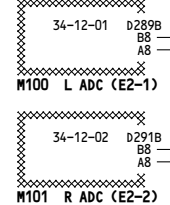
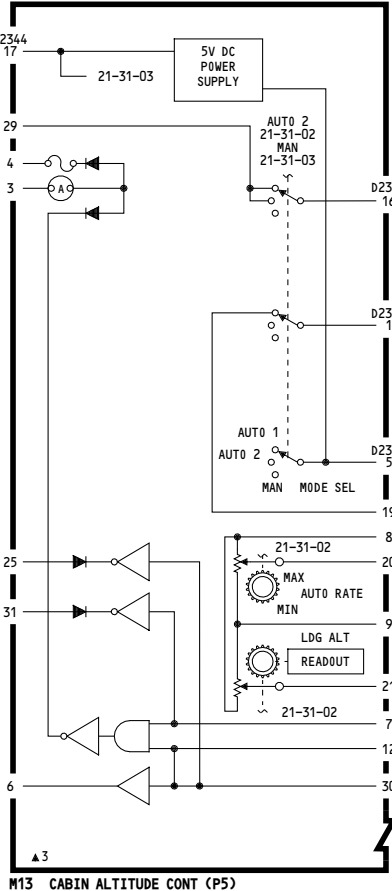
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WIRING DIAGRAMS
21-31-11



NOTES:



001-003, 005, 007-008

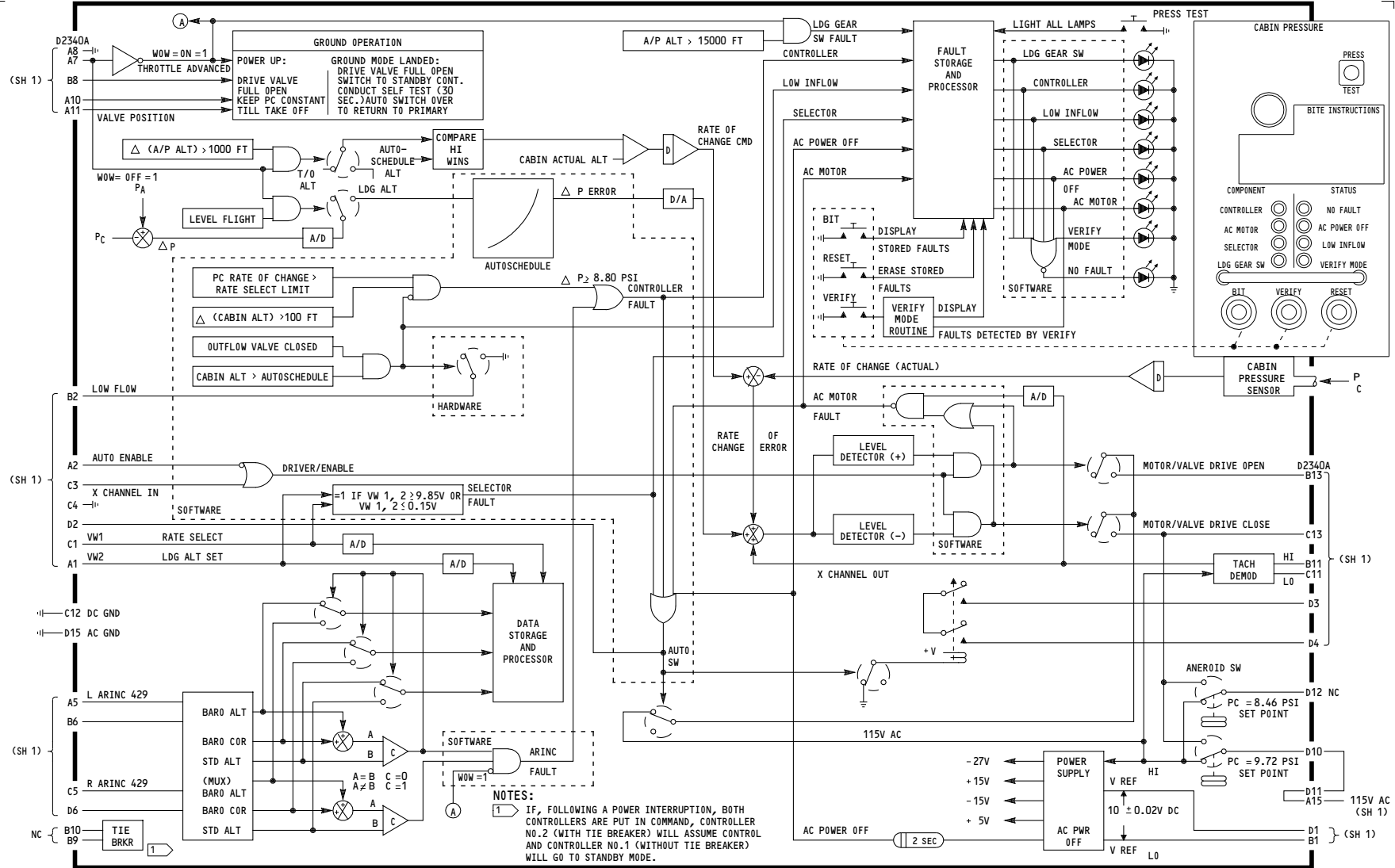
PRESSURIZATION CONTROL AUTO 1

D280N032S

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M118 AUTO 1 CABIN PRESS CONT UNIT (E5-1)

NOTES:
 1 IF, FOLLOWING A POWER INTERRUPTION, BOTH CONTROLLERS ARE PUT IN COMMAND, CONTROLLER NO.2 (WITH TIE BREAKER) WILL ASSUME CONTROL AND CONTROLLER NO.1 (WITHOUT TIE BREAKER) WILL GO TO STANDBY MODE.

001-003, 005, 007-008

**PRESSURIZATION CONTROL
 AUTO 1**

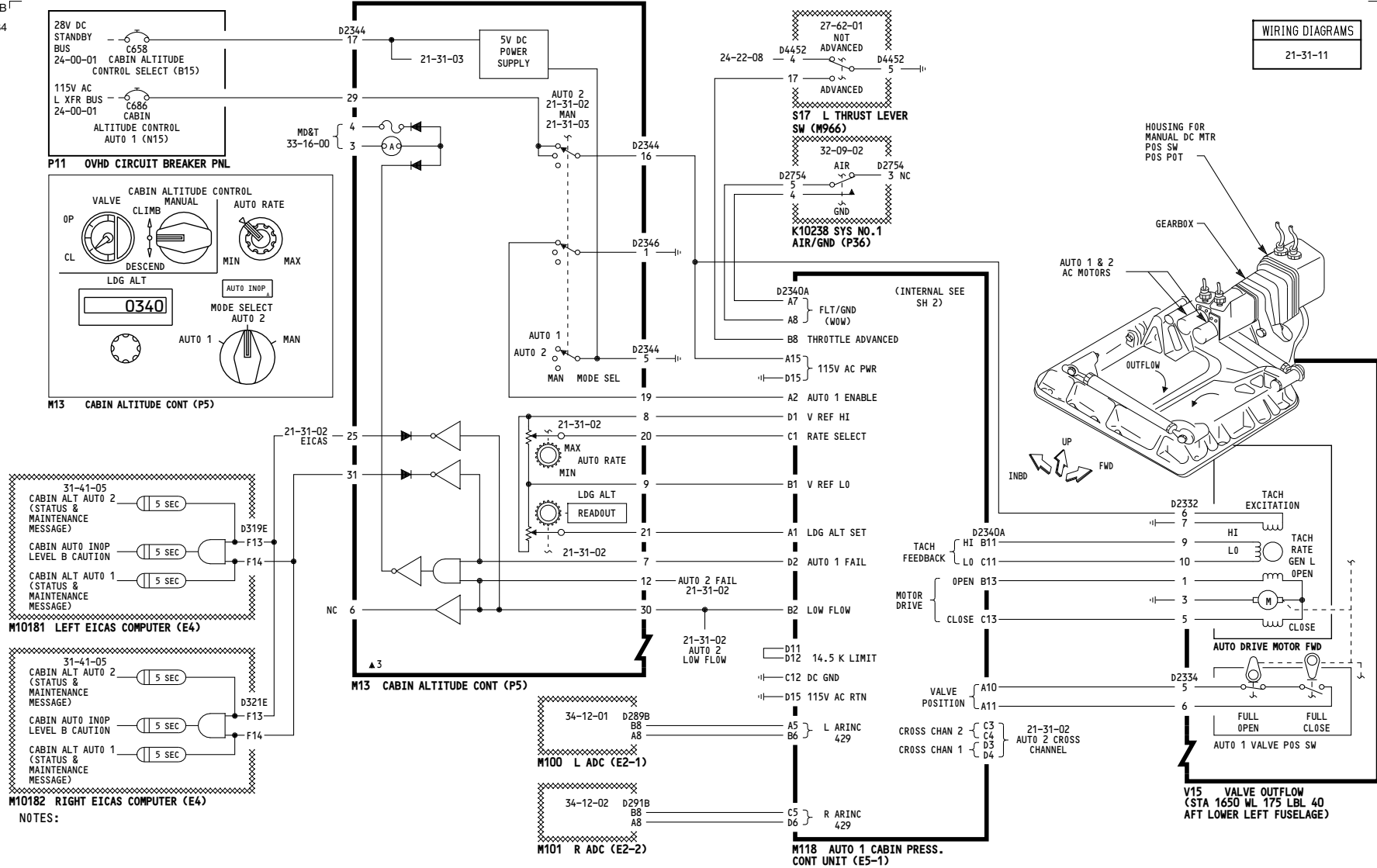
D280N032S

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WIRING DIAGRAMS
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004, 006

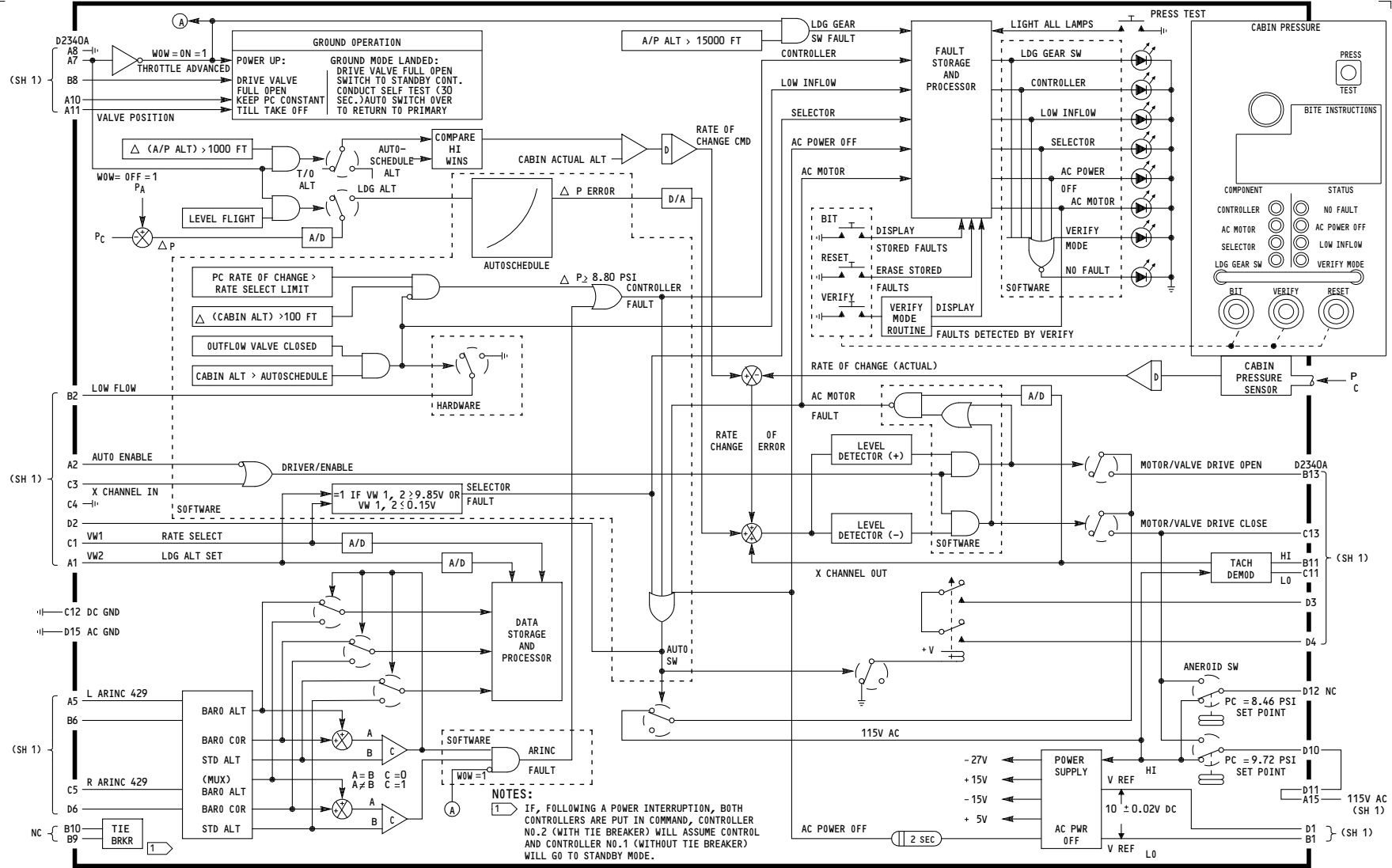
**PRESSURIZATION CONTROL
AUTO 1**

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M118 AUTO 1 CABIN PRESS CONT UNIT (E5-1)

NOTES:
 1 IF, FOLLOWING A POWER INTERRUPTION, BOTH CONTROLLERS ARE PUT IN COMMAND, CONTROLLER NO.2 (WITH TIE BREAKER) WILL ASSUME CONTROL AND CONTROLLER NO.1 (WITHOUT TIE BREAKER) WILL GO TO STANDBY MODE.

004, 006

**PRESSURIZATION CONTROL
 AUTO 1**

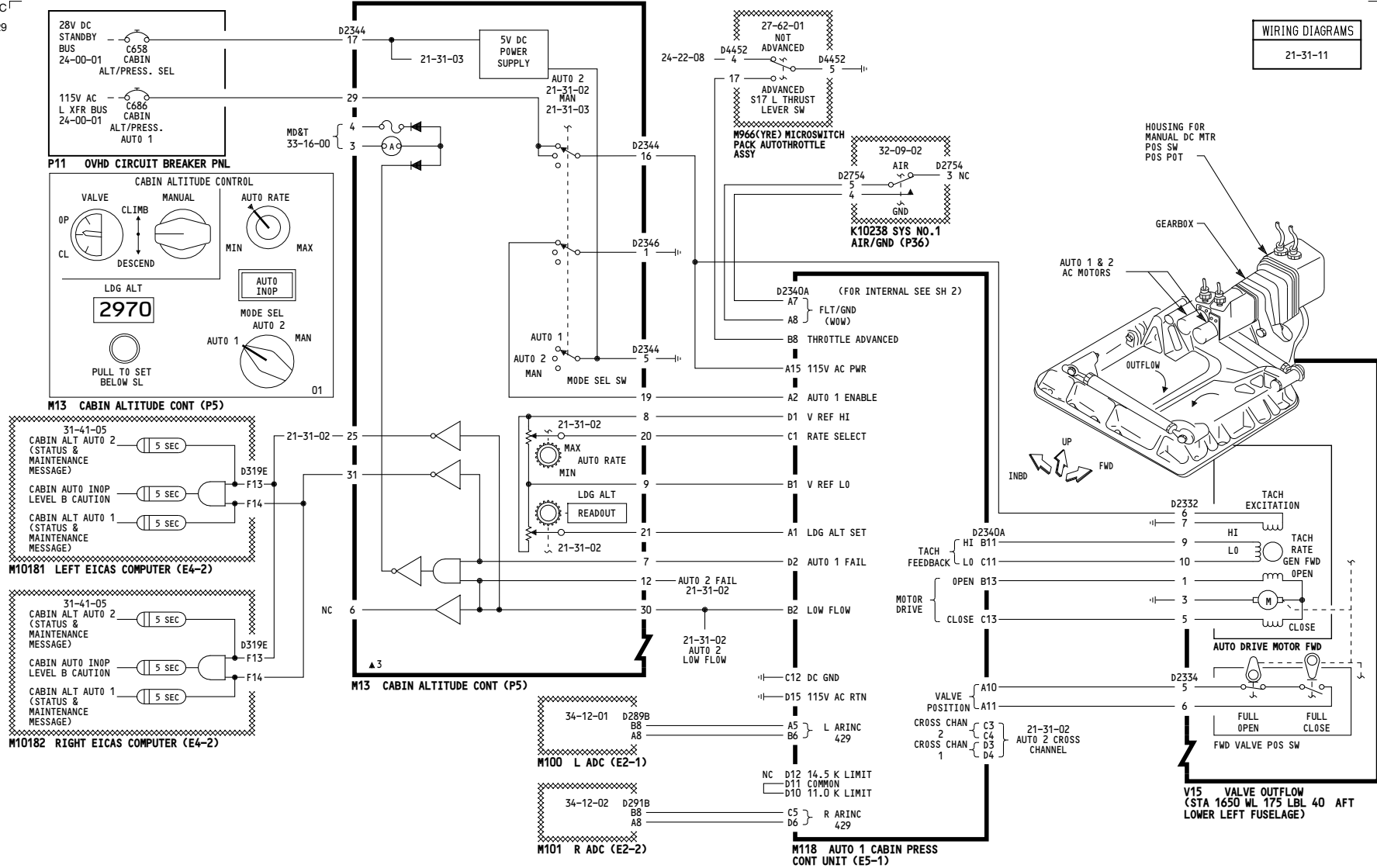
D280N032S

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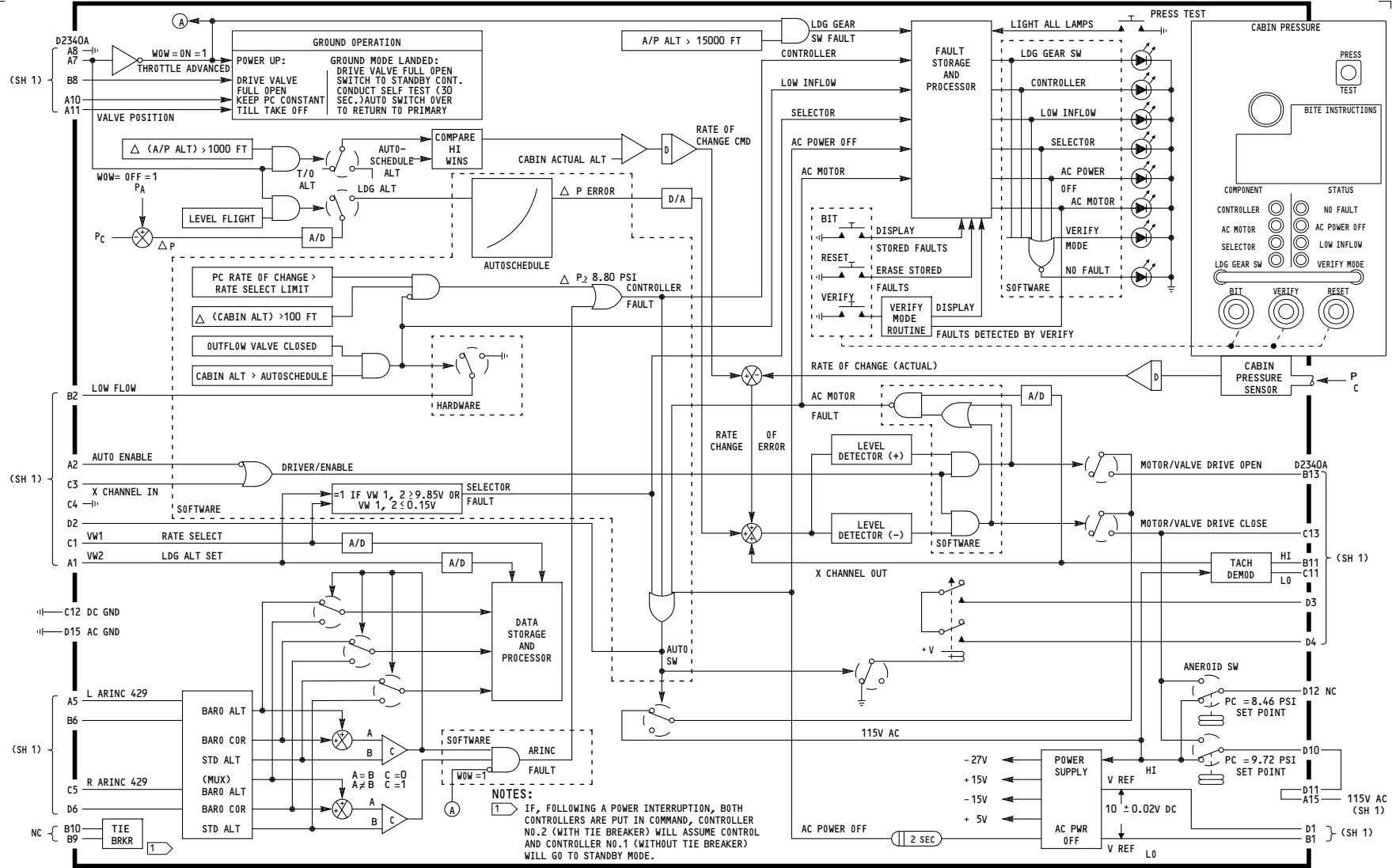
WIRING DIAGRAMS
21-31-11



009-099	<p>PRESSURIZATION CONTROL AUTO 1</p> <p>D280N032S</p>
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21-31-01

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M118 AUTO 1 CABIN PRESS CONT UNIT (E5-1)

009-099

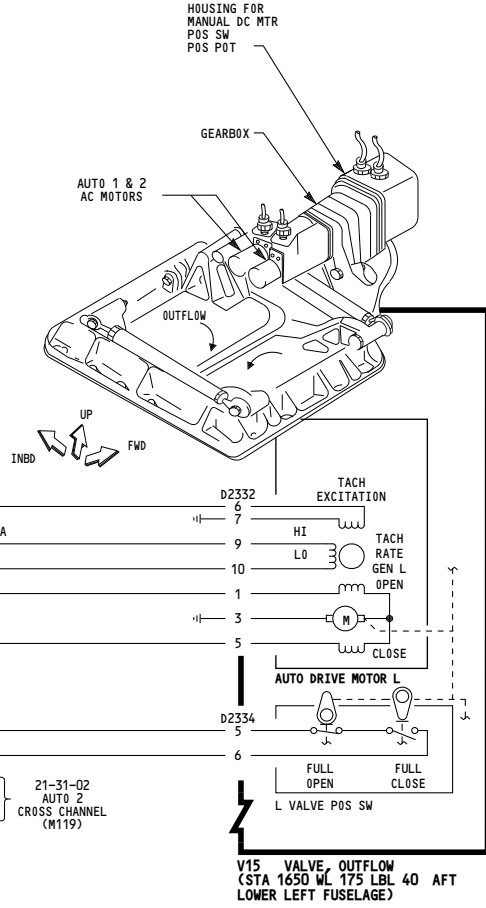
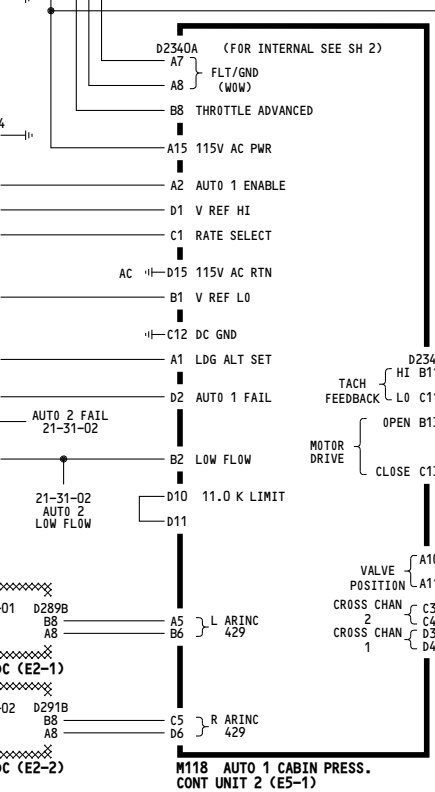
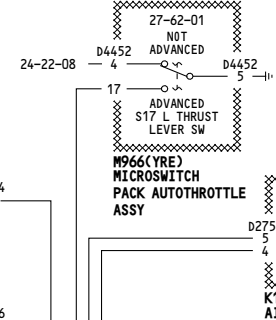
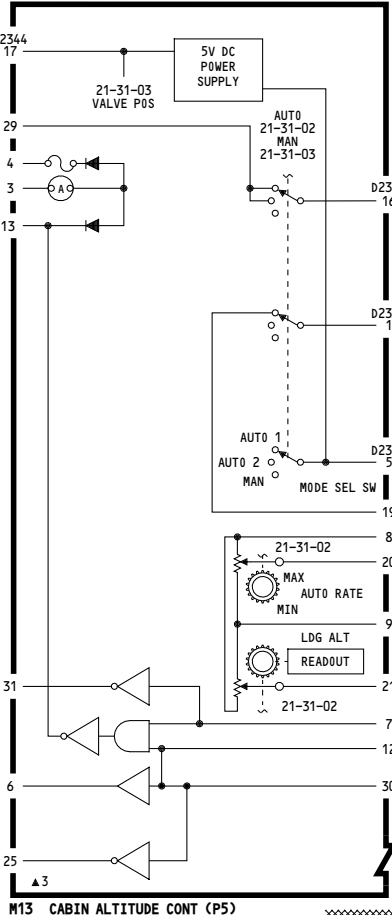
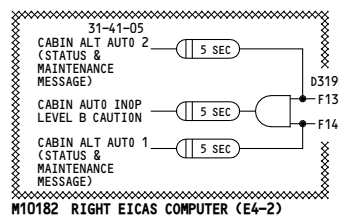
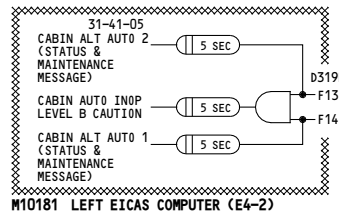
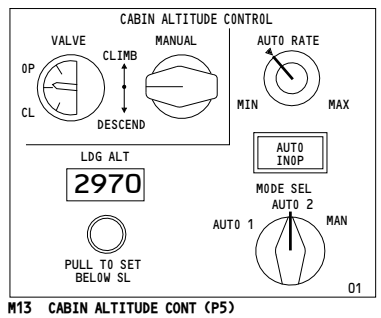
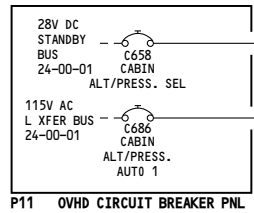
**PRESSURIZATION CONTROL
 AUTO 1**

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WIRING DIAGRAMS
21-31-11



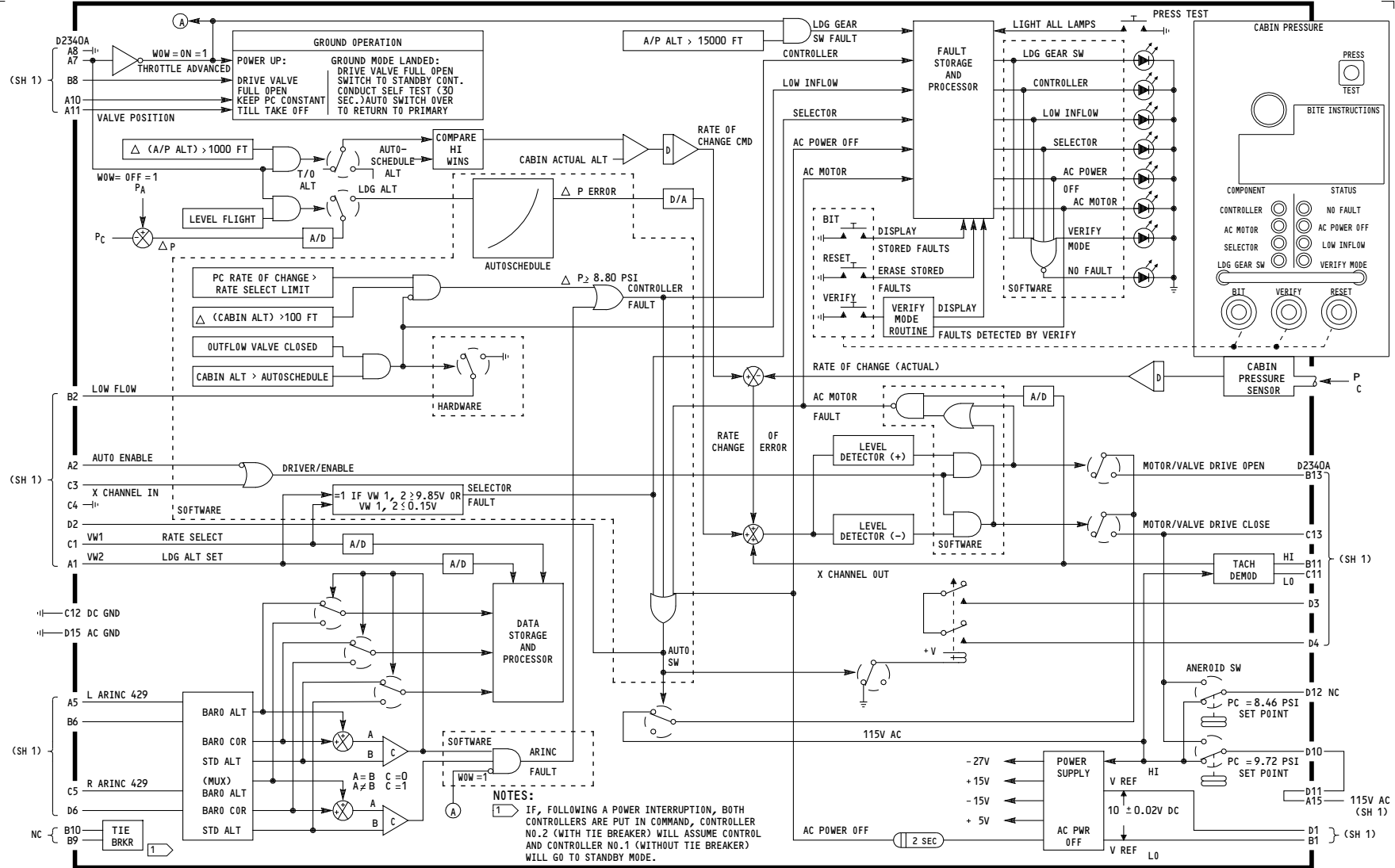
115-199

PRESSURIZATION CONTROL AUTO 1

D280N032S

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M118 AUTO 1 CABIN PRESS CONT UNIT (E5-1)

115-199

**PRESSURIZATION CONTROL
AUTO 1**

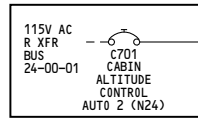
D280N032S

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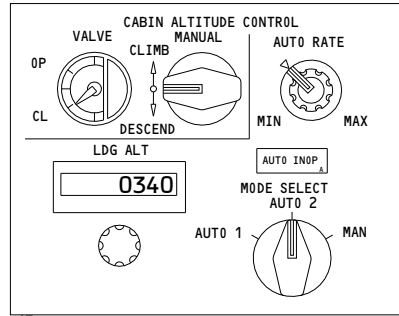
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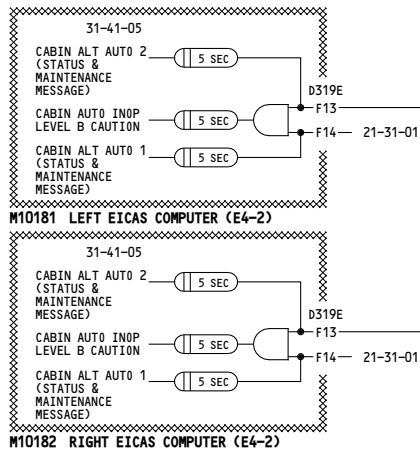
WIRING DIAGRAMS
21-31-21



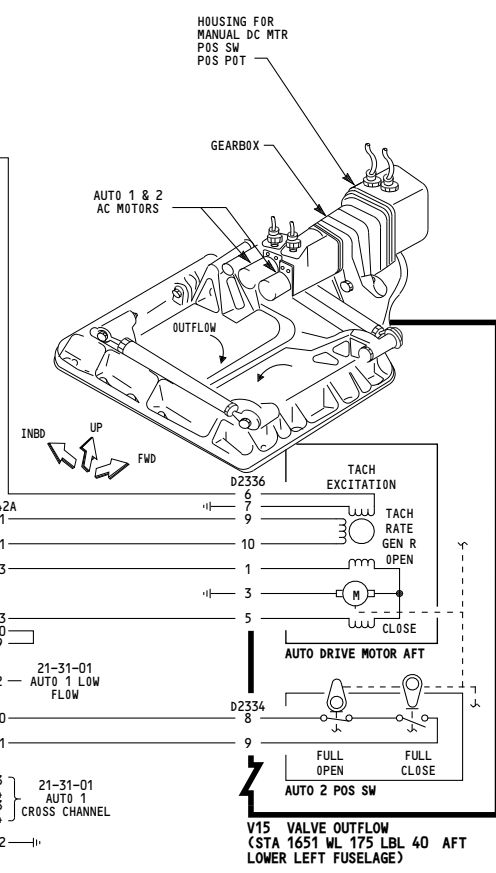
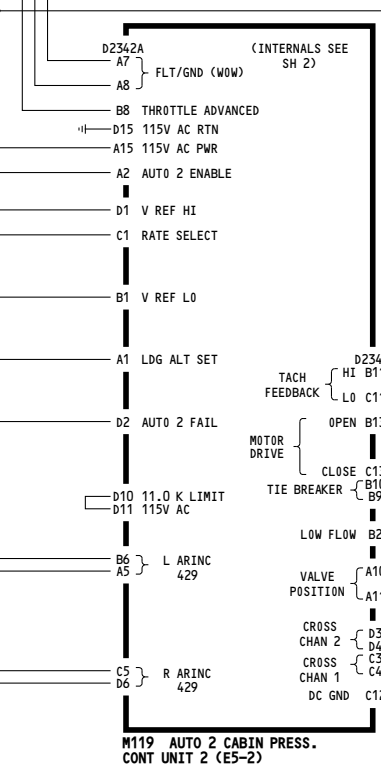
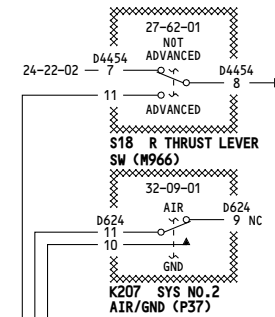
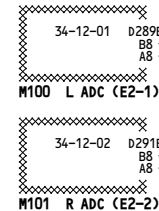
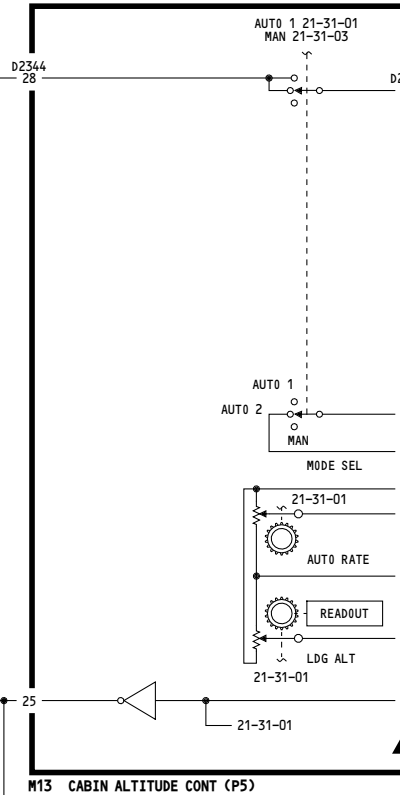
P11-4 OVERHEAD CIRCUIT BREAKER PANEL



M13 CABIN ALTITUDE CONT



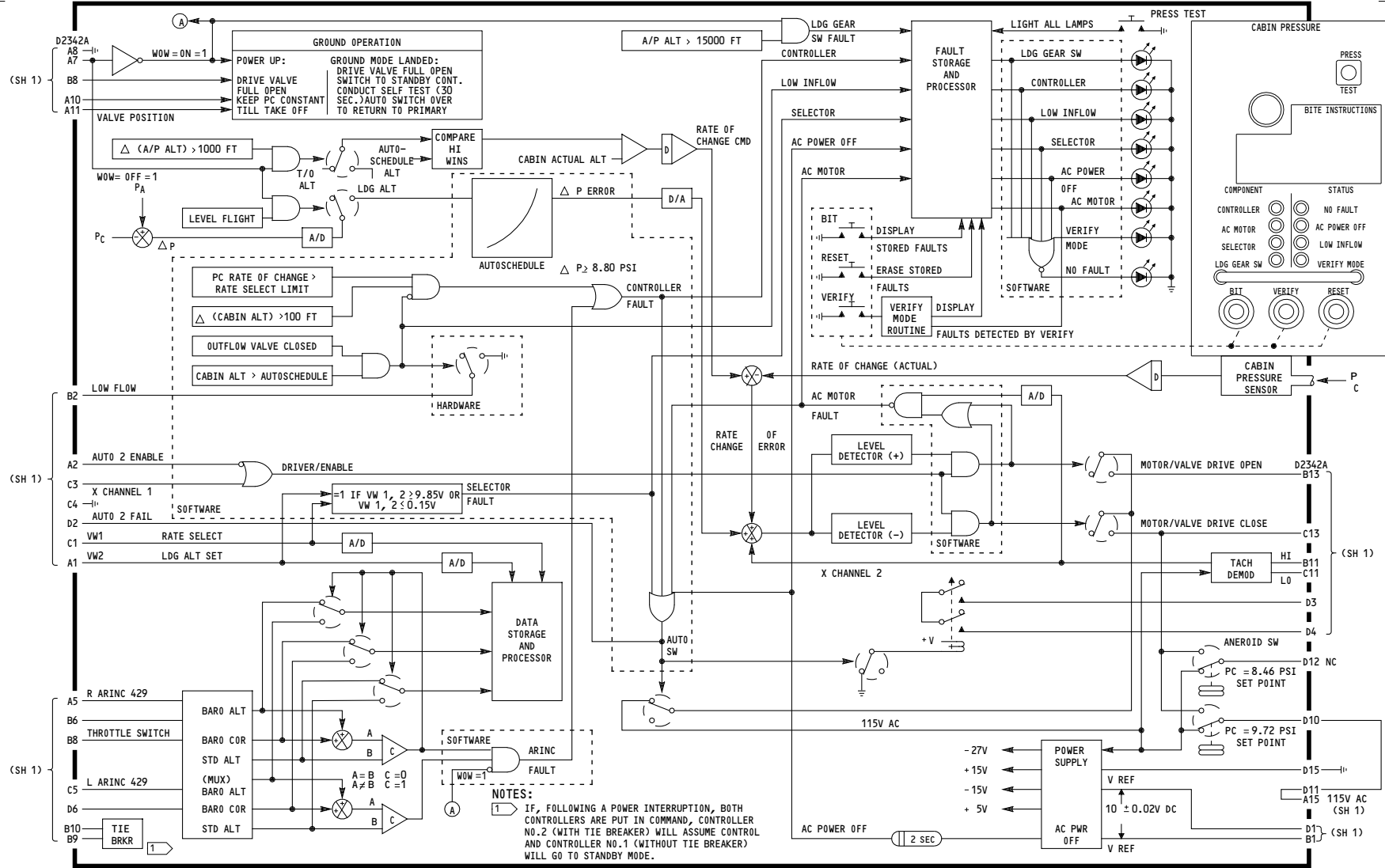
M10182 RIGHT EICAS COMPUTER (E4-2)



001-003, 005, 007-008	PRESSURIZATION CONTROL AUTO 2
	D280N032S

21-31-02

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001-003, 005, 007-008

**PRESSURIZATION CONTROL
 AUTO 2**

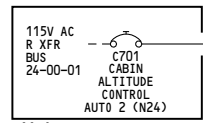
D280N032S

21-31-02

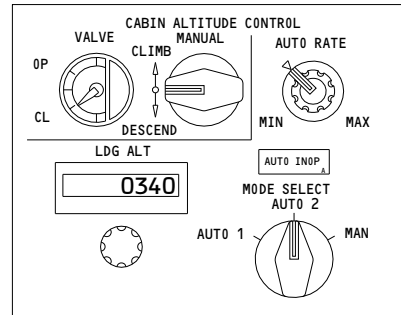
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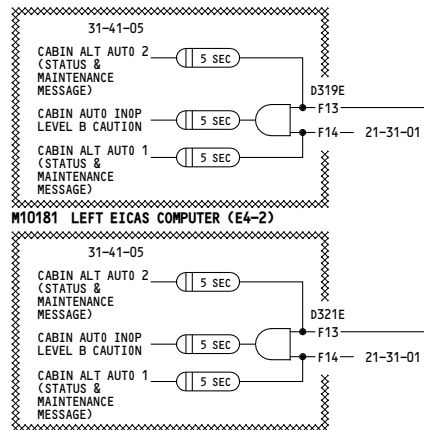
WIRING DIAGRAMS
21-31-21



P11-4 OVERHEAD CIRCUIT BREAKER PANEL

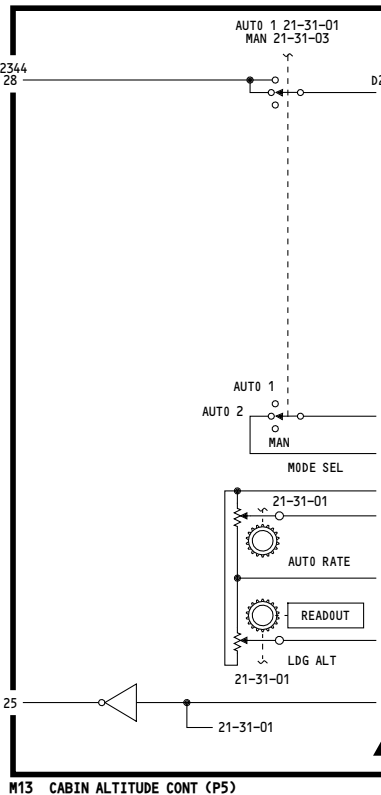


M13 CABIN ALTITUDE CONT

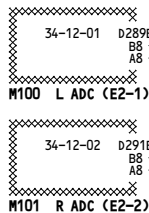


M10181 LEFT EICAS COMPUTER (E4-2)

M10182 RIGHT EICAS COMPUTER (E4-2)

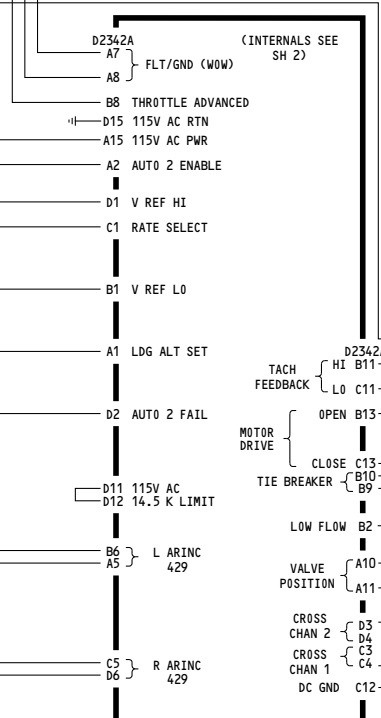
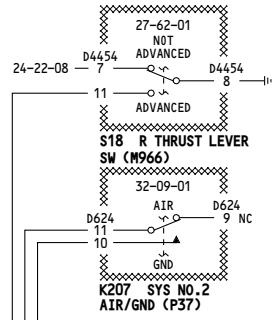


M13 CABIN ALTITUDE CONT (P5)

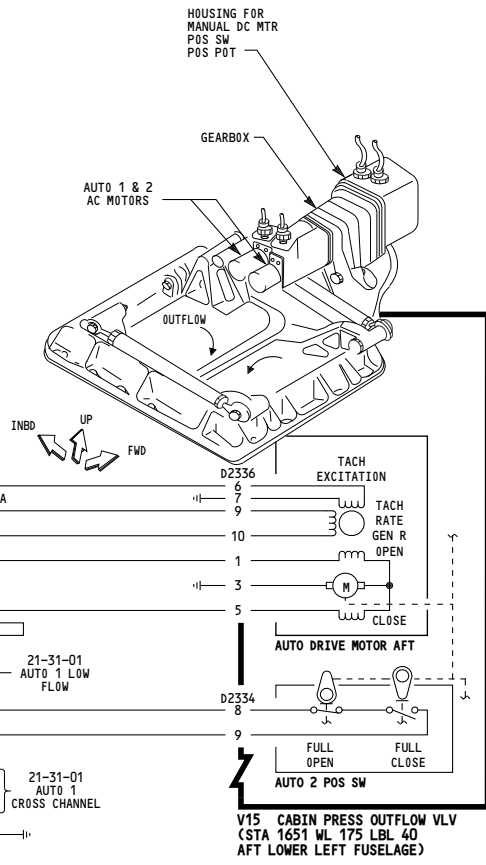


M100 L ADC (E2-1)

M101 R ADC (E2-2)



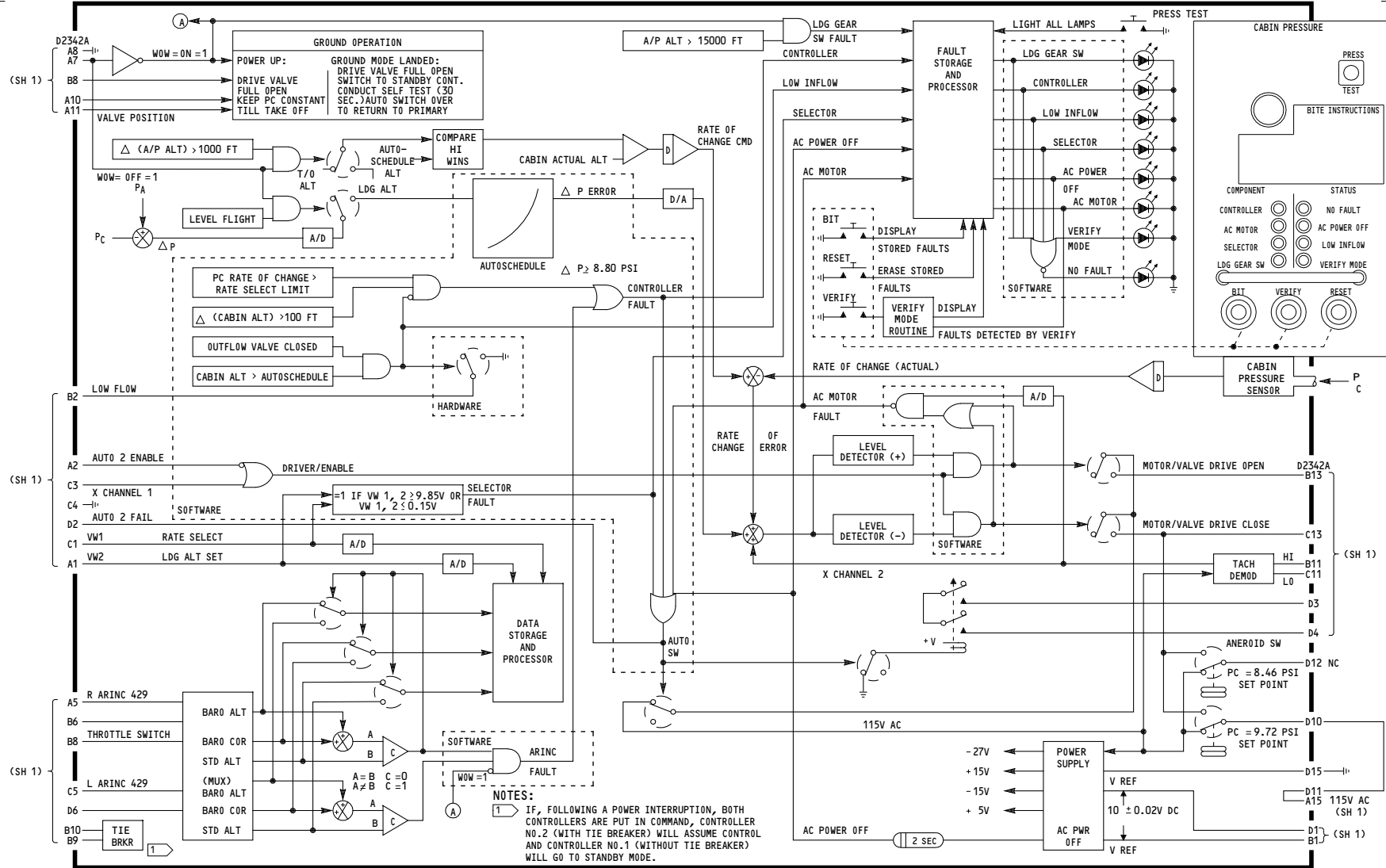
M119 AUTO 2 CABIN PRESS. CONT UNIT 2 (E5-2)



004, 006	<p align="center">PRESSURIZATION CONTROL AUTO 2</p> <p align="center">D280N032S</p>
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21-31-02

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M119 AUTO 2 CABIN PRESS CONT UNIT (E5-2)

004, 006

**PRESSURIZATION CONTROL
AUTO 2**

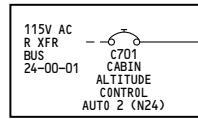
D280N032S

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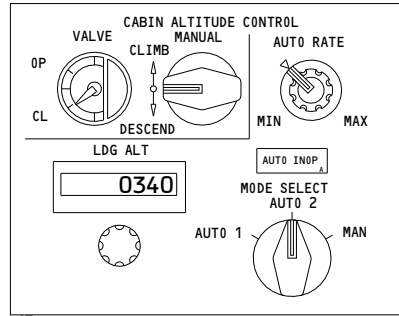
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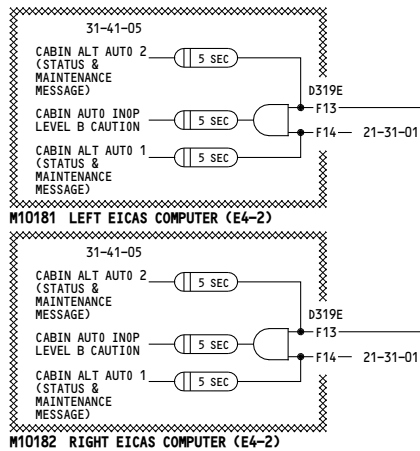
WIRING DIAGRAMS
21-31-21



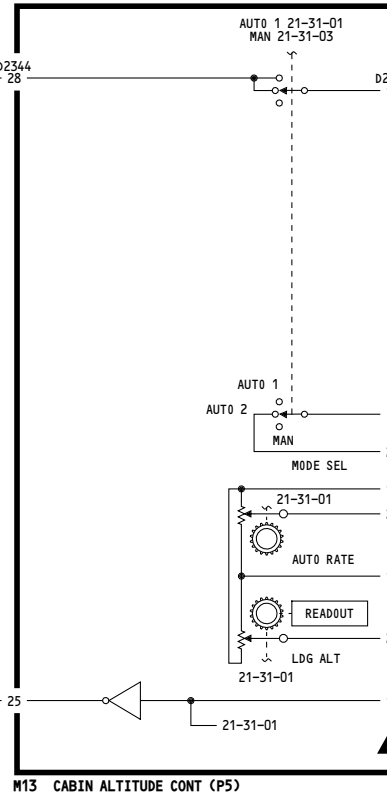
P11-4 OVERHEAD CIRCUIT BREAKER PANEL



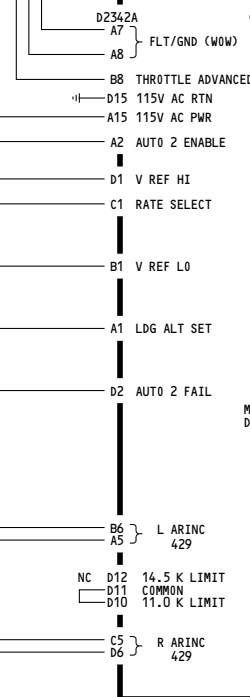
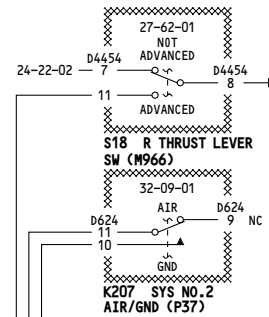
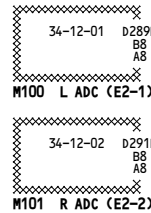
M13 CABIN ALTITUDE CONT



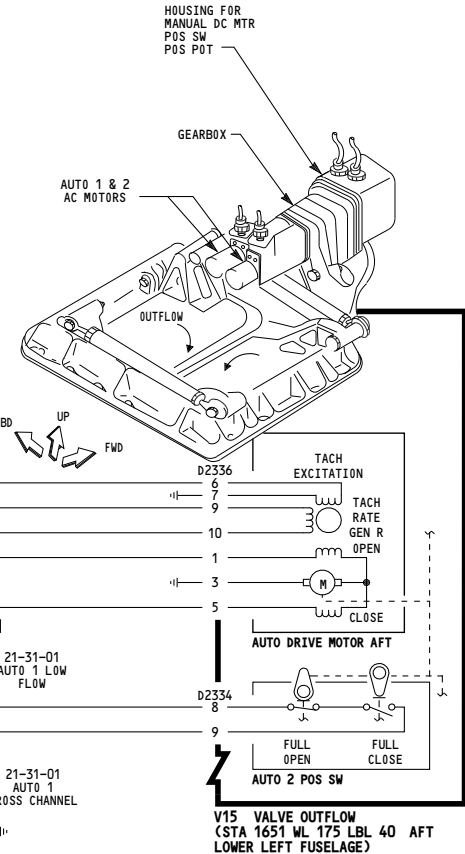
M10182 RIGHT EICAS COMPUTER (E4-2)



M13 CABIN ALTITUDE CONT (P5)



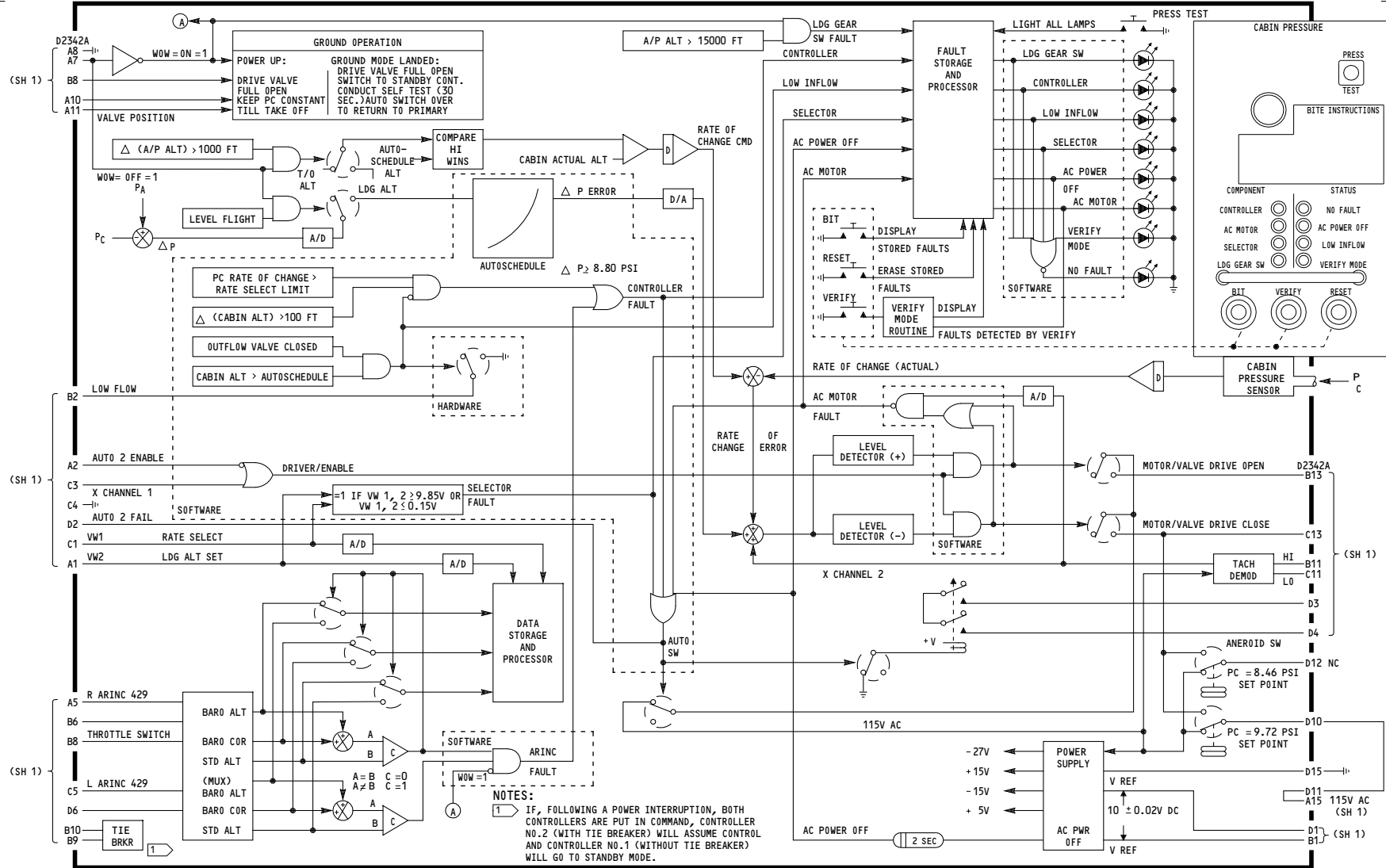
M119 AUTO 2 CABIN PRESS. CONT UNIT 2 (E5-2)



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	D280N032S

21-31-02

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M119 AUTO 2 CABIN PRESS CONT UNIT (E5-2)

009-099

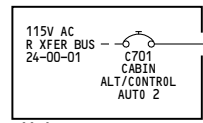
**PRESSURIZATION CONTROL
AUTO 2**

D280N032S

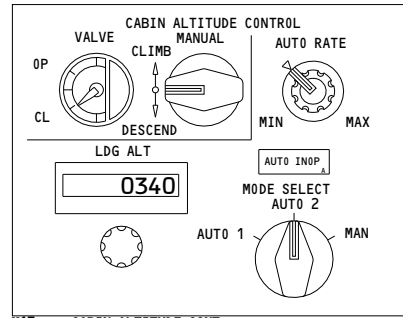
21-31-02

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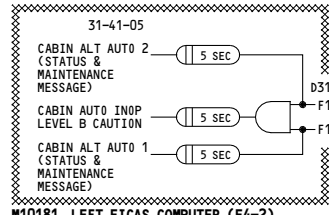
WIRING DIAGRAMS
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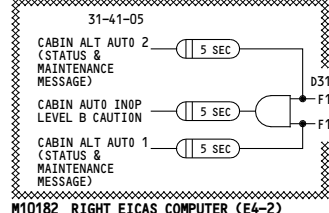
P11-4 OVERHEAD CIRCUIT BREAKER PANEL



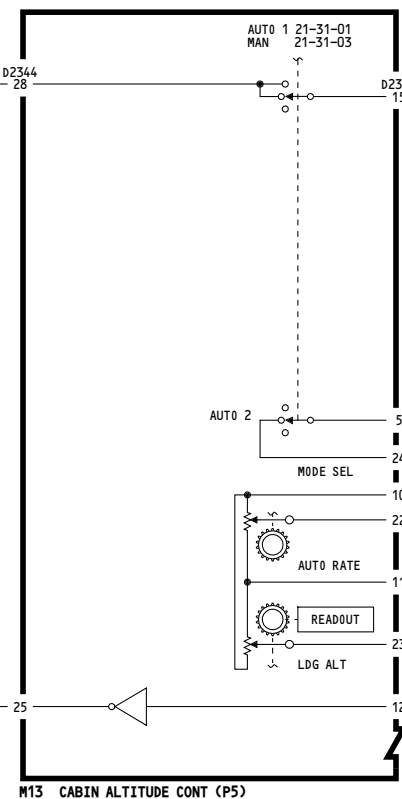
M13 CABIN ALTITUDE CONT



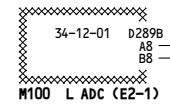
M10181 LEFT EICAS COMPUTER (E4-2)



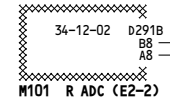
M10182 RIGHT EICAS COMPUTER (E4-2)



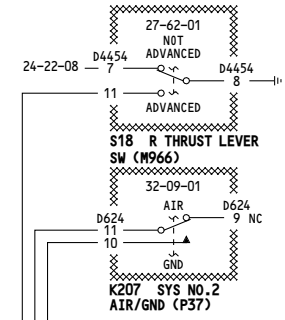
M13 CABIN ALTITUDE CONT (P5)



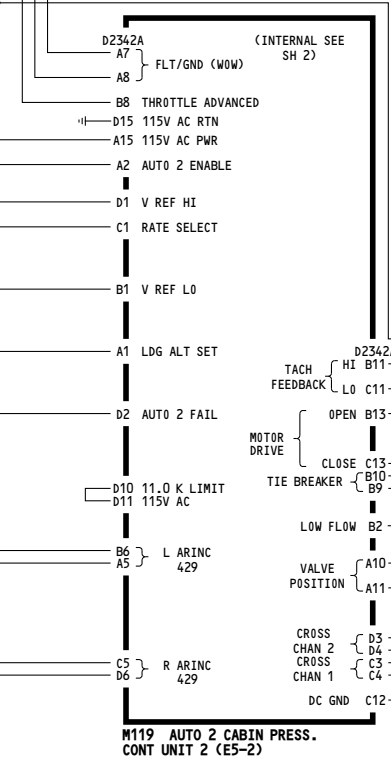
M100 L ADC (E2-1)



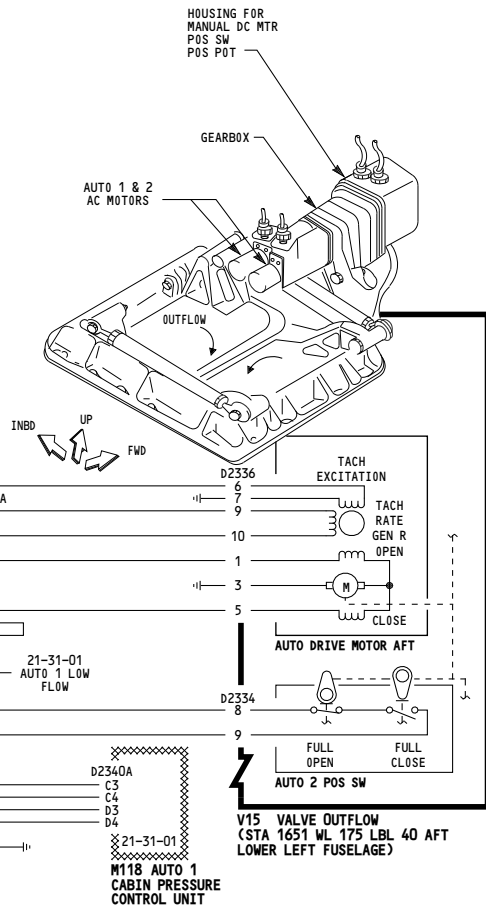
M101 R ADC (E2-2)



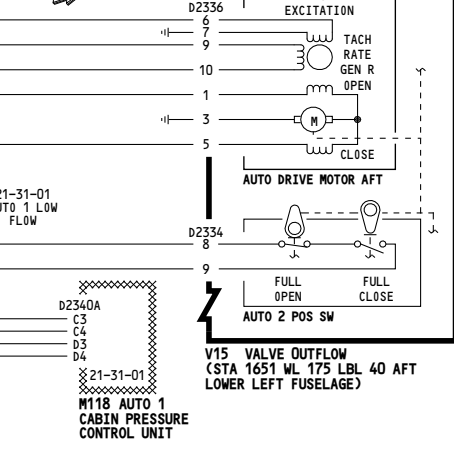
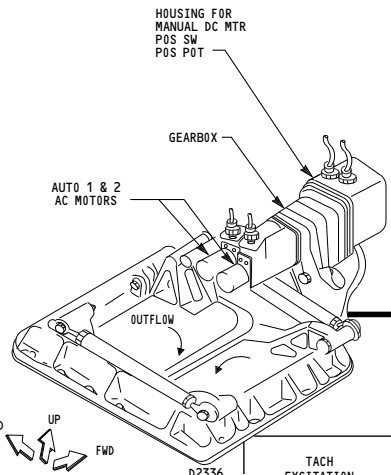
S18 R THRUST LEVER SW (M966)



M119 AUTO 2 CABIN PRESS. CONT UNIT 2 (E5-2)



M118 AUTO 1 CABIN PRESSURE CONTROL UNIT

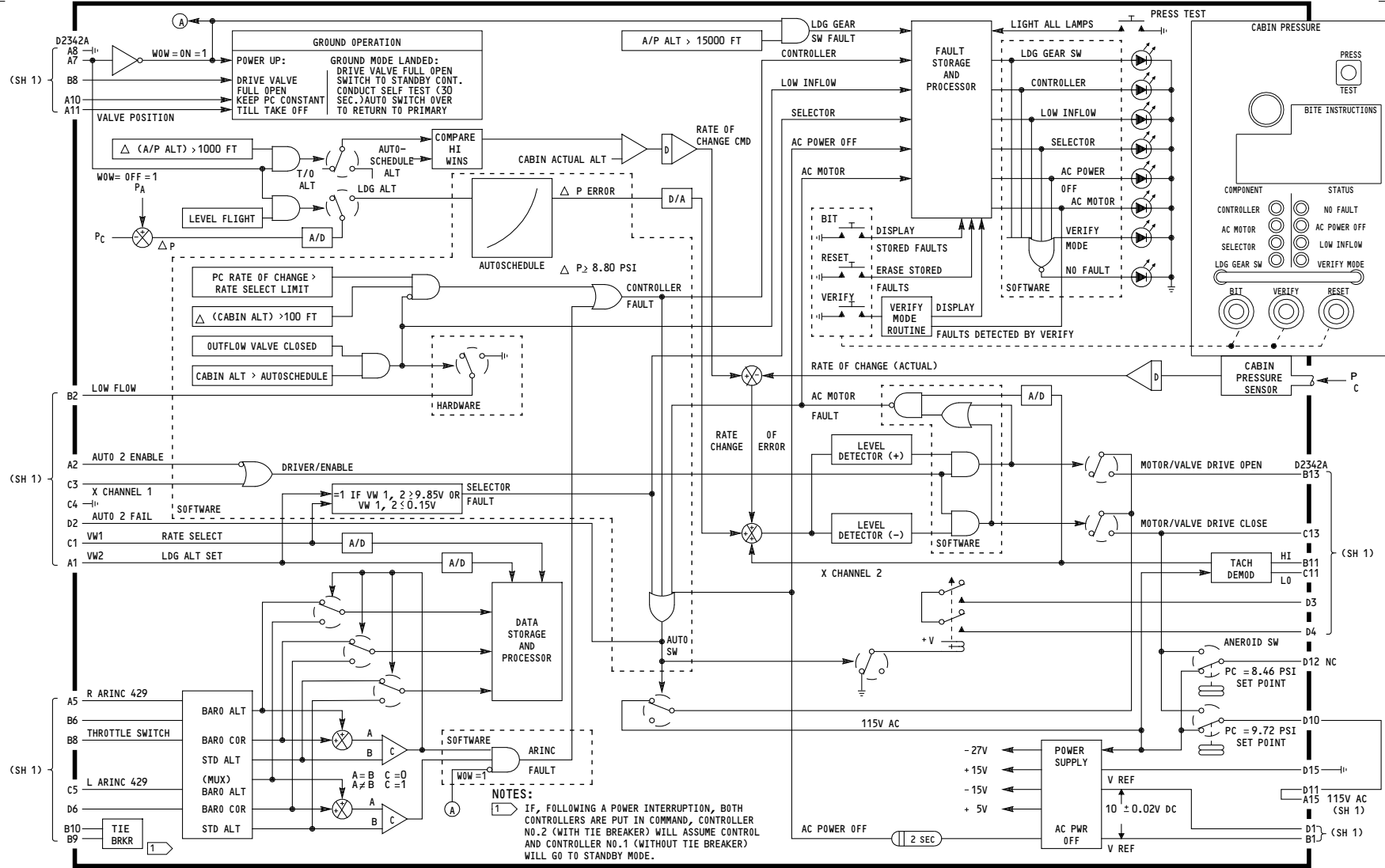


V15 VALVE OUTFLOW (STA 1651 WL 175 LBL 40 AFT LOWER LEFT FUSELAGE)

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D280N032S	

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M119 AUTO 2 CABIN PRESS CONT UNIT (E5-2)

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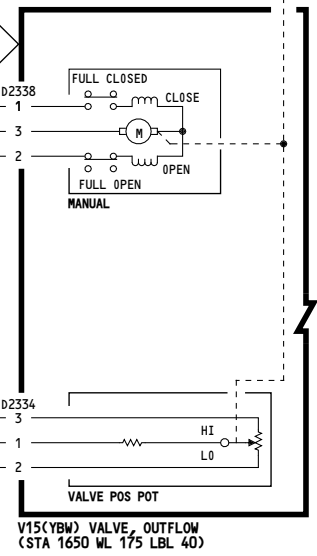
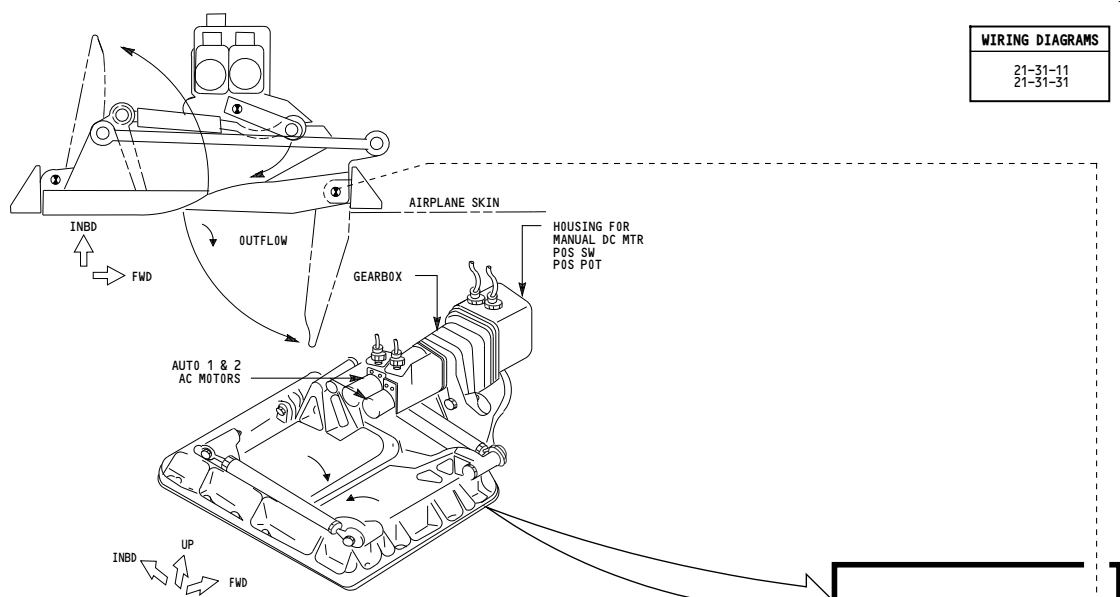
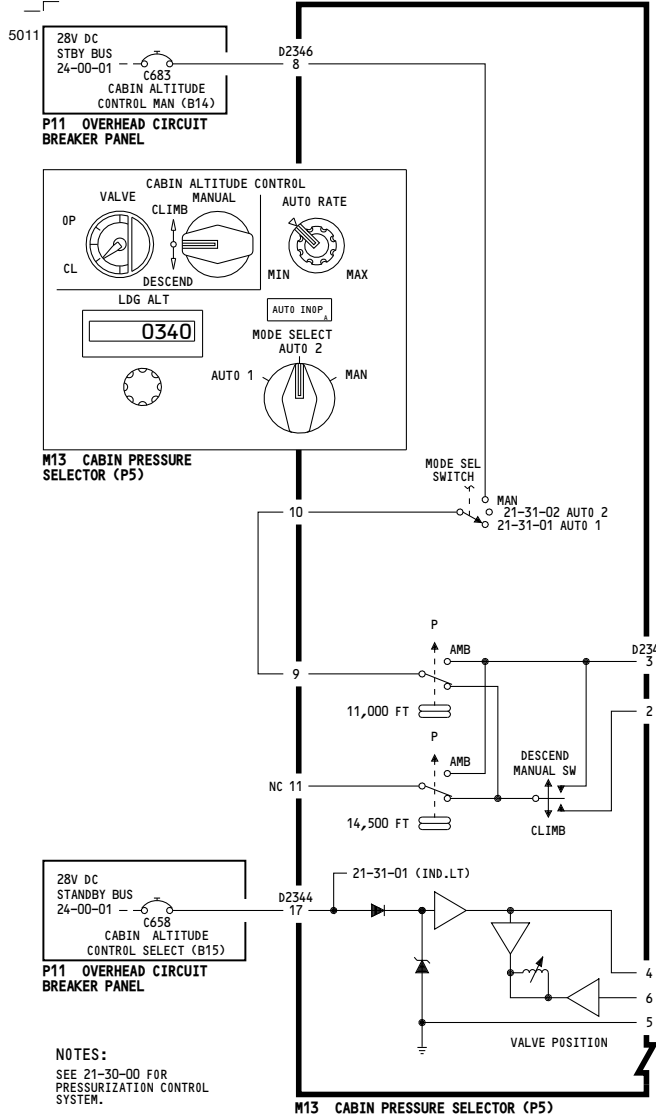
**PRESSURIZATION CONTROL
 AUTO 2**

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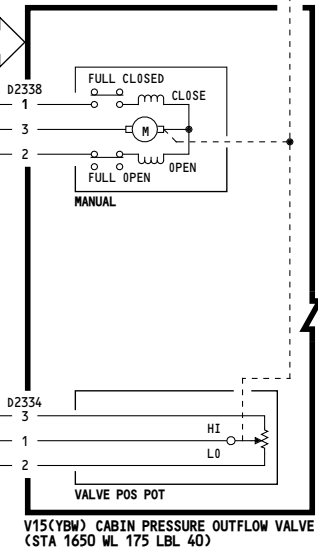
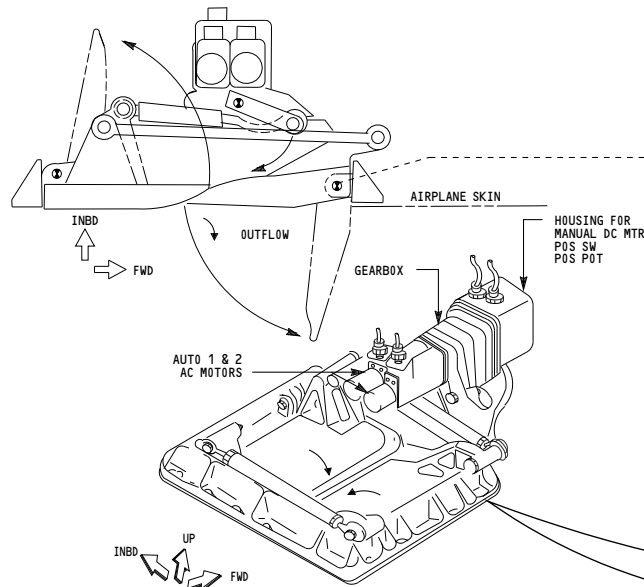
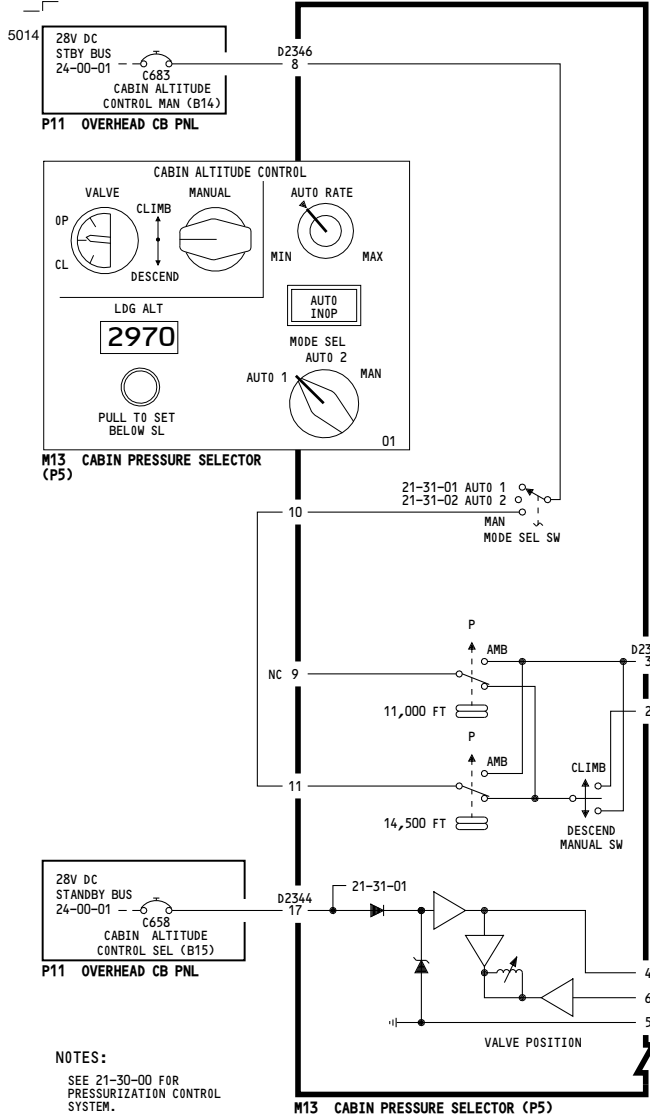
001-003, 005, 007-008

MANUAL PRESSURIZATION CONTROL

D280N032S

21-31-03

WIRING DIAGRAMS
21-31-31

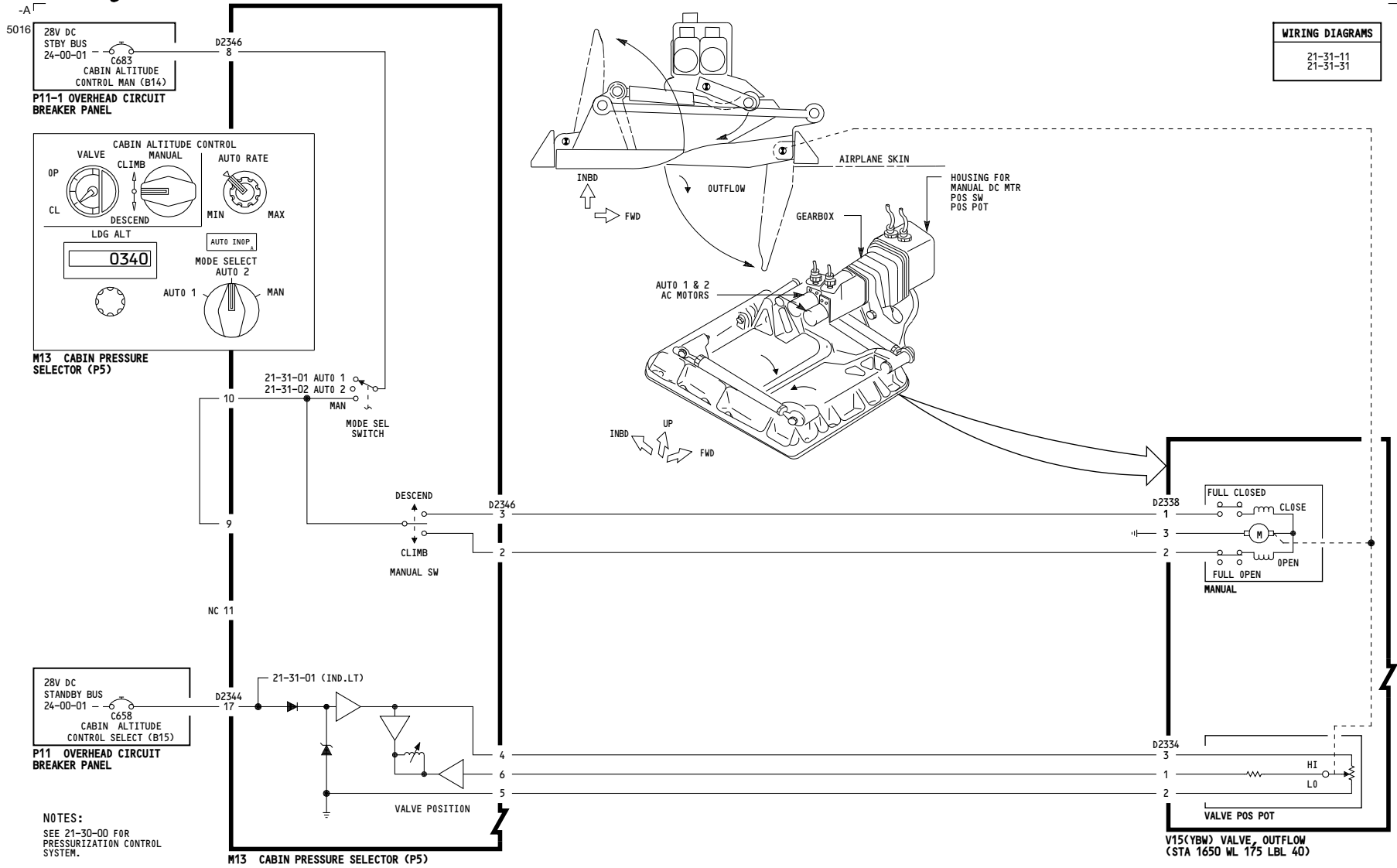


NOTES:
SEE 21-30-00 FOR PRESSURIZATION CONTROL SYSTEM.

004, 006	<p>MANUAL PRESSURIZATION CONTROL</p> <p>D280N032S</p>
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21-31-03

WIRING DIAGRAMS
21-31-11
21-31-31

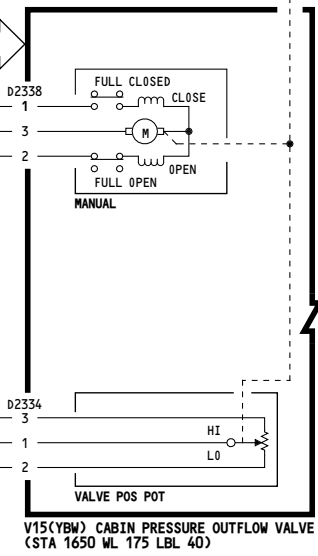
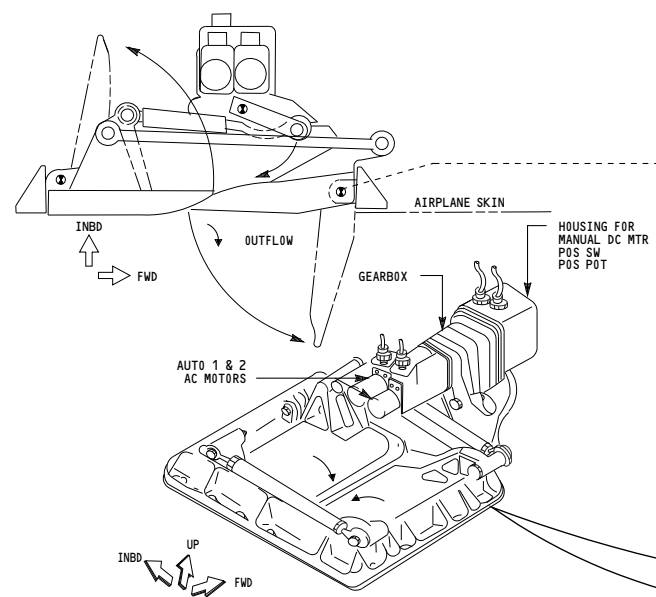
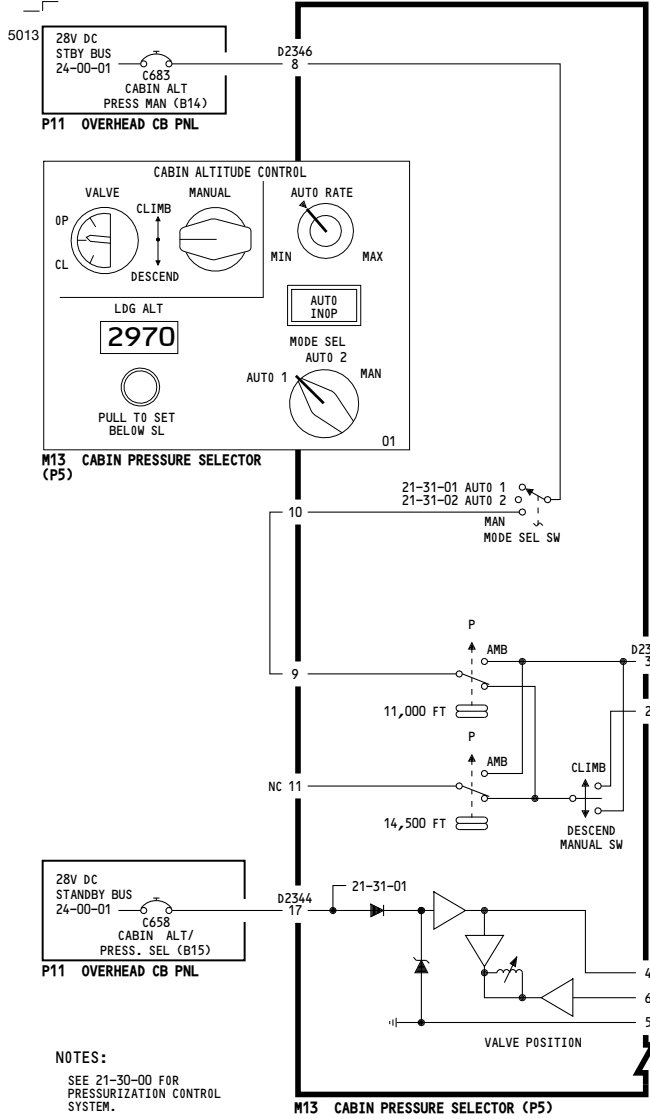


NOTES:
SEE 21-30-00 FOR PRESSURIZATION CONTROL SYSTEM.

009-099	<p align="center">MANUAL PRESSURIZATION CONTROL</p> <p align="center">D280N032S</p>
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21-31-03

WIRING DIAGRAMS
21-31-31



NOTES:
SEE 21-30-00 FOR PRESSURIZATION CONTROL SYSTEM.

115-199

MANUAL PRESSURIZATION CONTROL

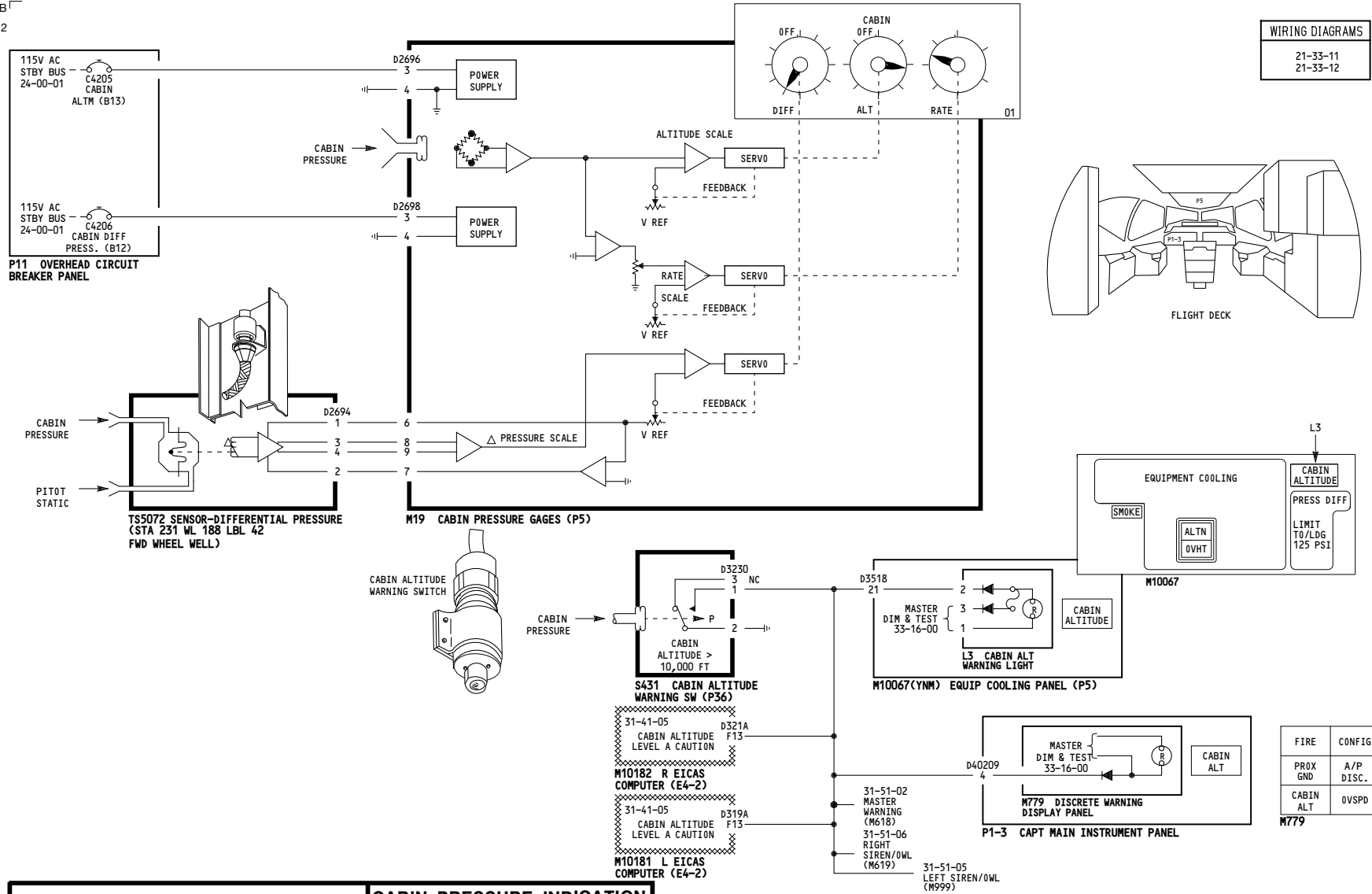
D280N032S

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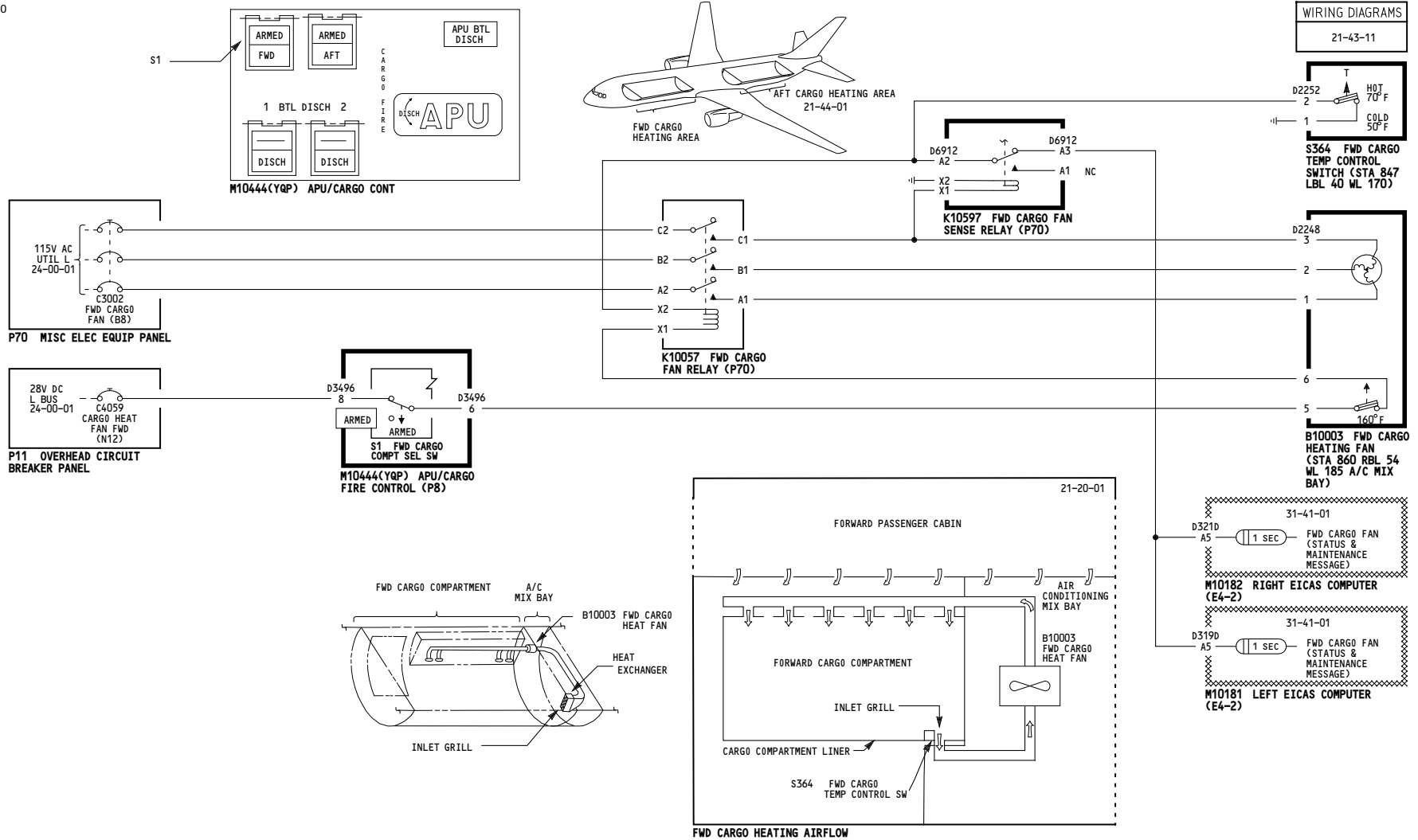
ALL	CABIN PRESSURE INDICATION AND WARNING
	D280N032S

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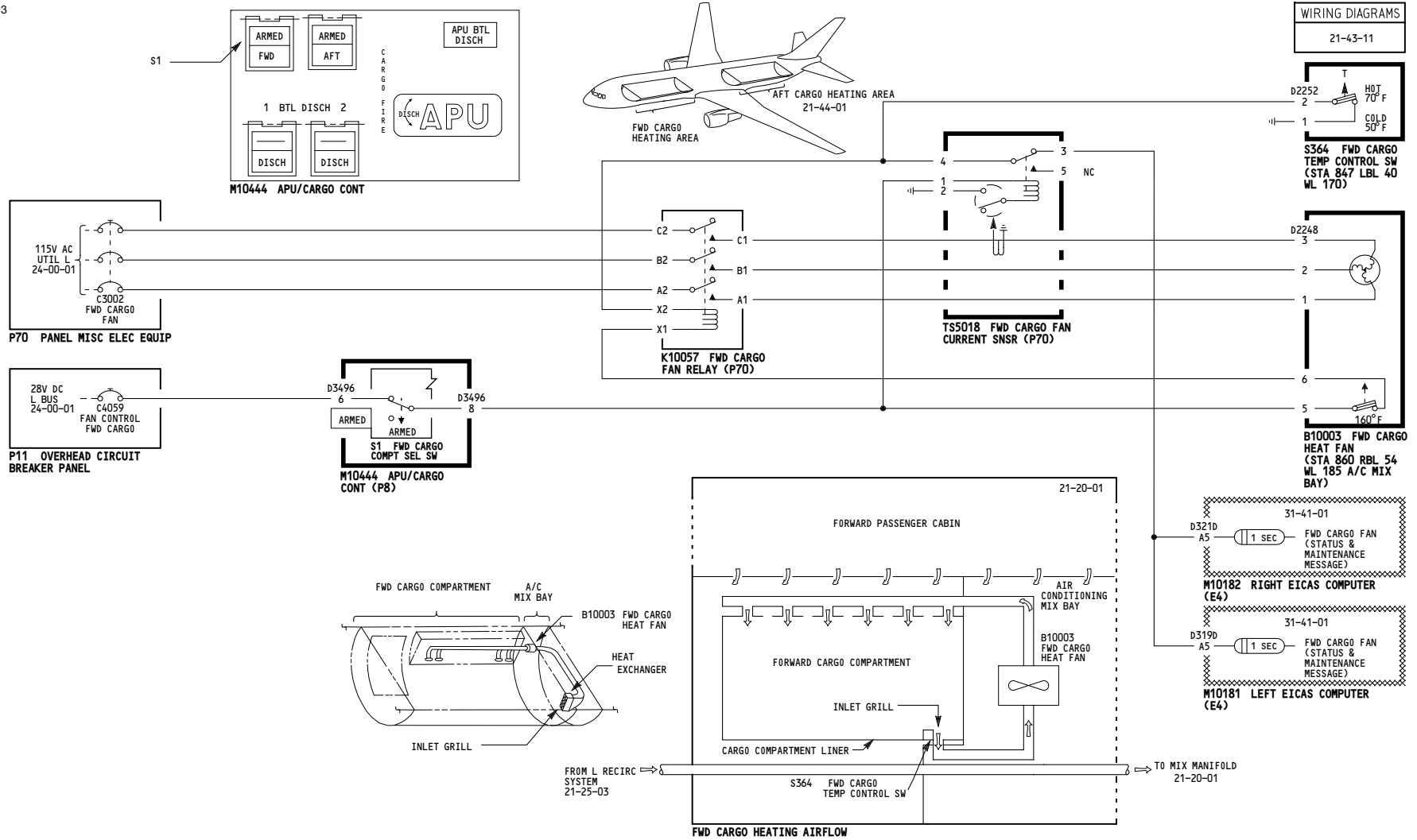
001-099	<p align="center">FORWARD CARGO HEATING</p> <p align="center">D280N032S</p>
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115-199	<p align="center">FORWARD CARGO HEATING</p> <p align="center">D280N032S</p>
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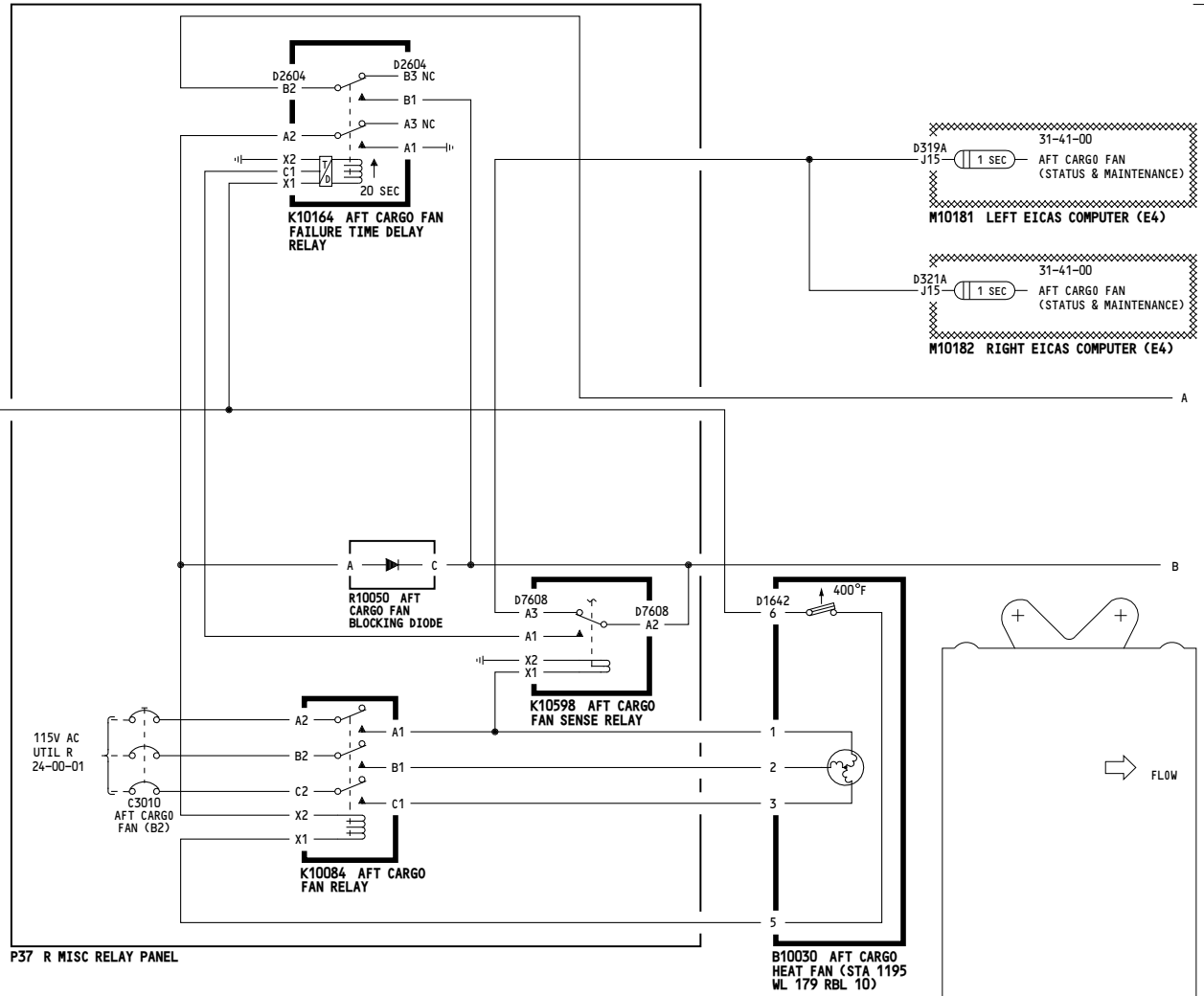
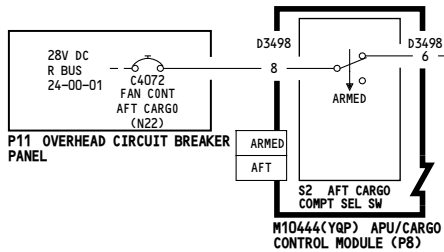
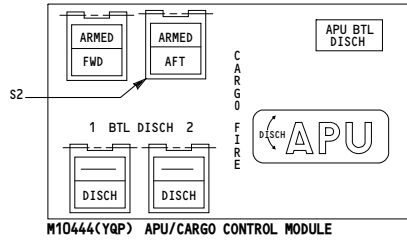
21-43-01

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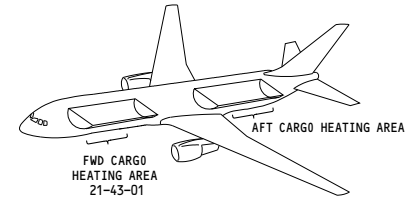
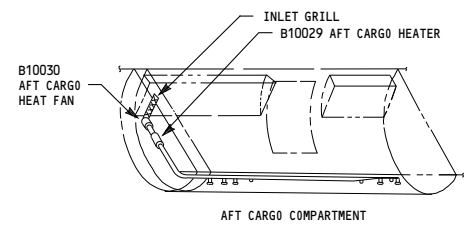
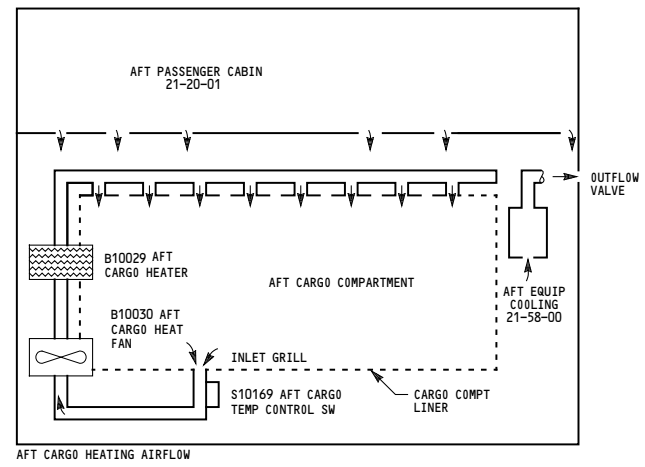
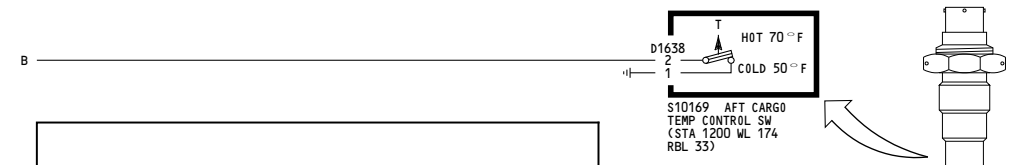
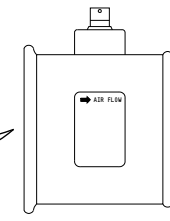
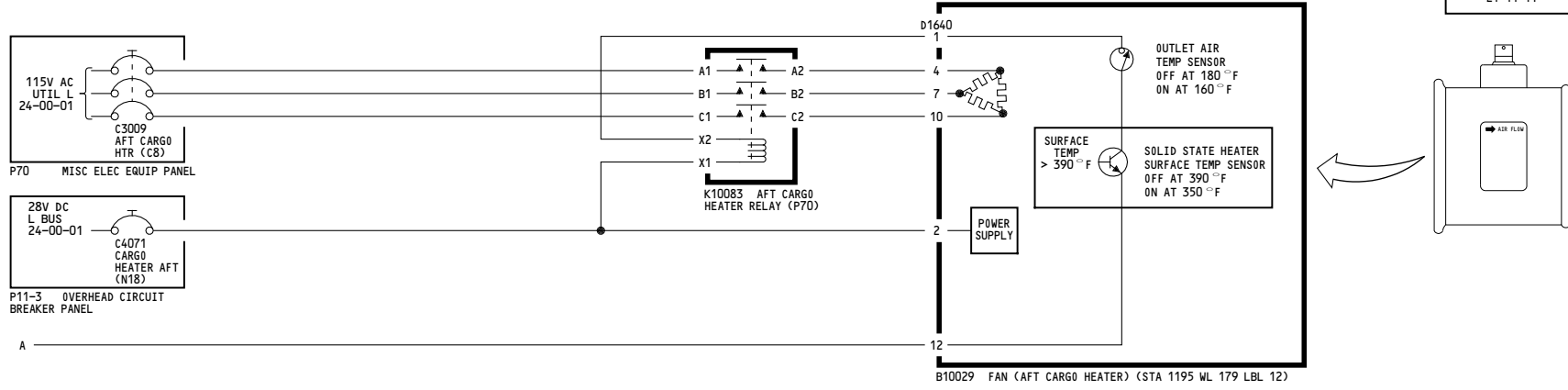


001-099	<p>AFT CARGO HEATING</p> <p>D280N032S</p>
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5013

WIRING DIAGRAMS
21-44-11



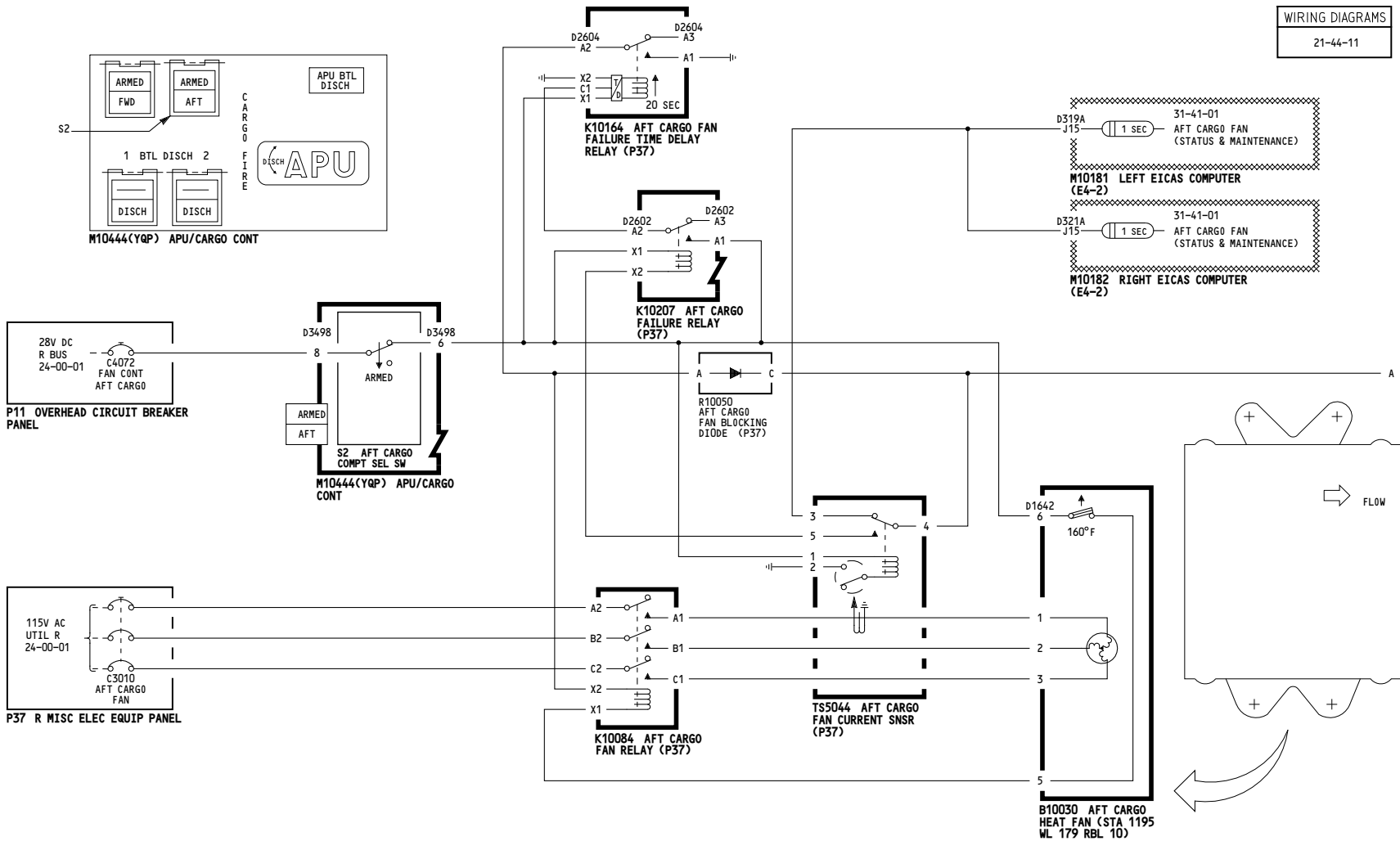
001-099	<p align="center">AFT CARGO HEATING</p> <p align="center">D280N032S</p>
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WIRING DIAGRAMS
21-44-11

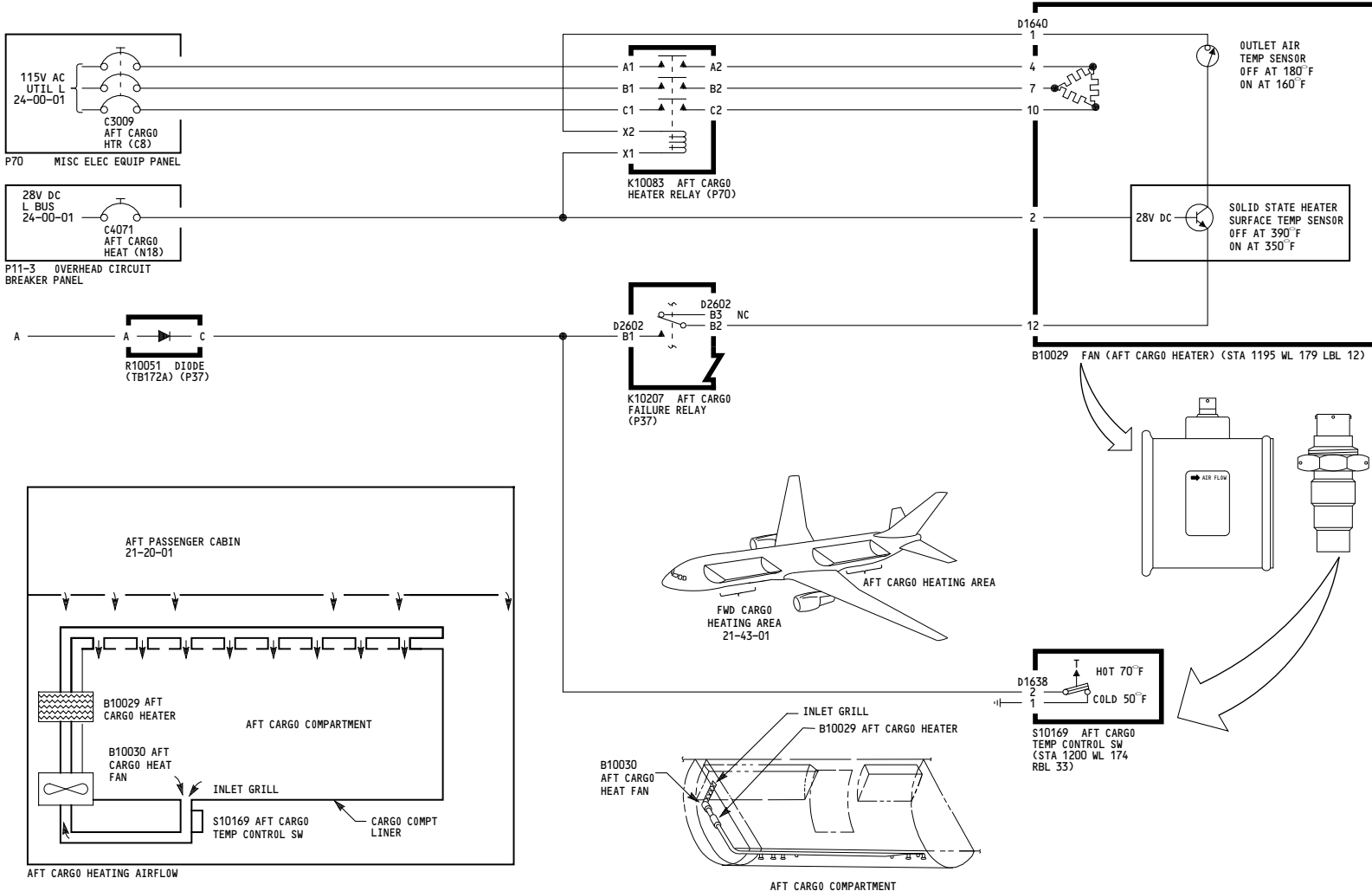


115-199	<p align="center">AFT CARGO HEATING</p> <p align="center">D280N032S</p>
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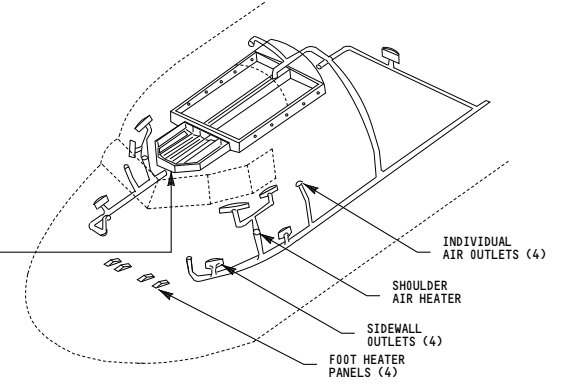
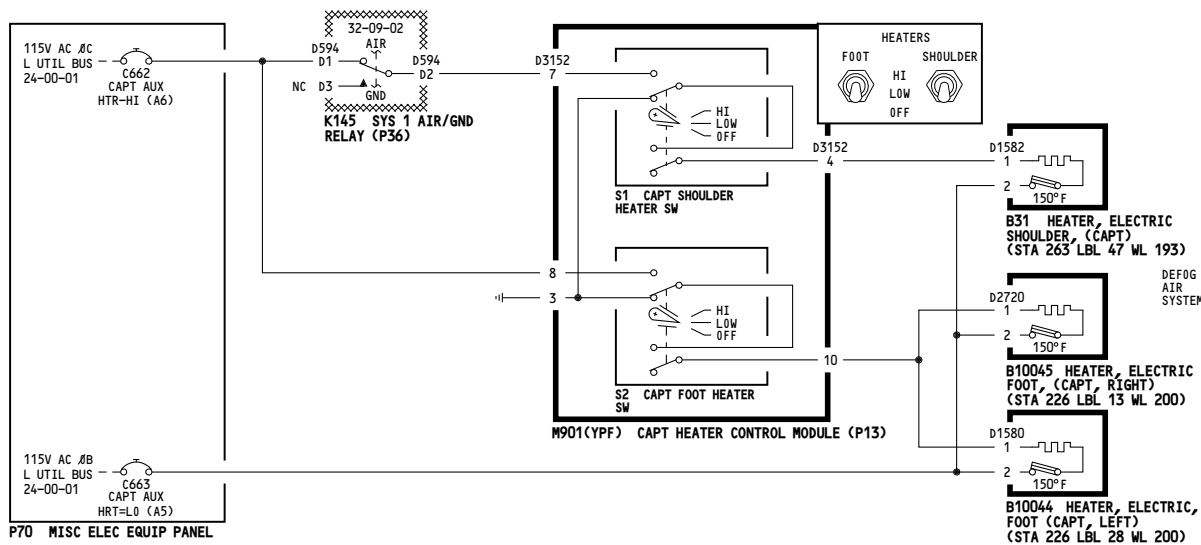
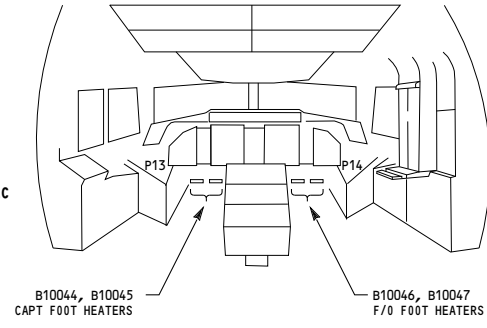
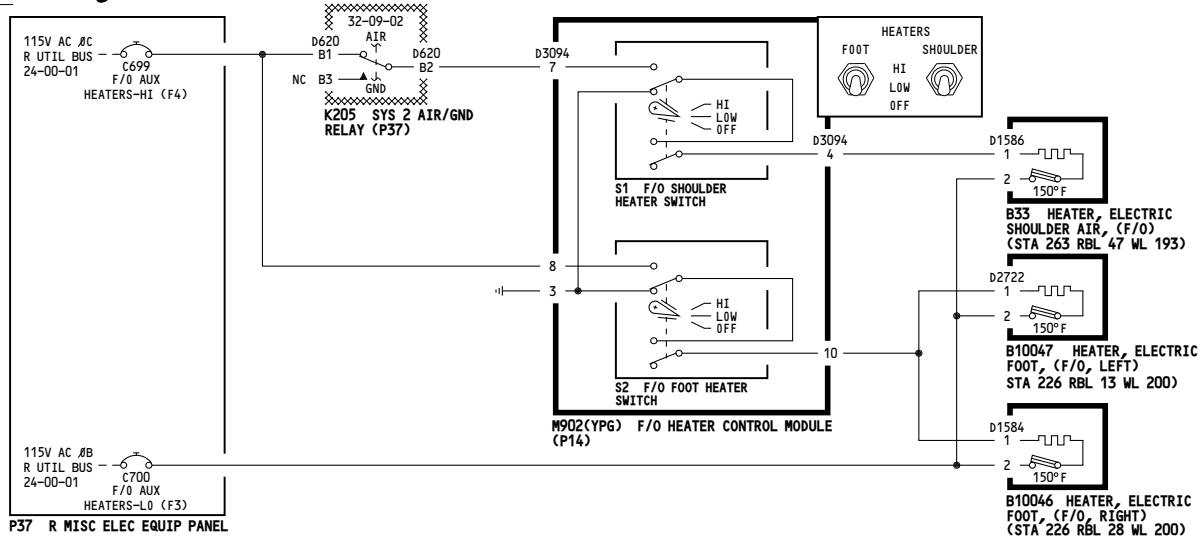


115-199	<p align="center">AFT CARGO HEATING</p> <p align="center">D280N032S</p>
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21-44-01

WIRING DIAGRAMS
21-45-11

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001-002, 115-199

FLIGHT DECK SUPPLEMENTAL HEATING

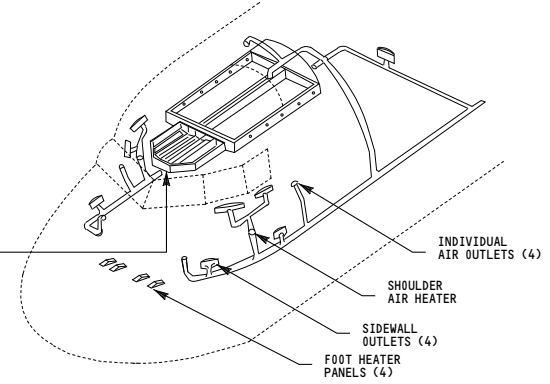
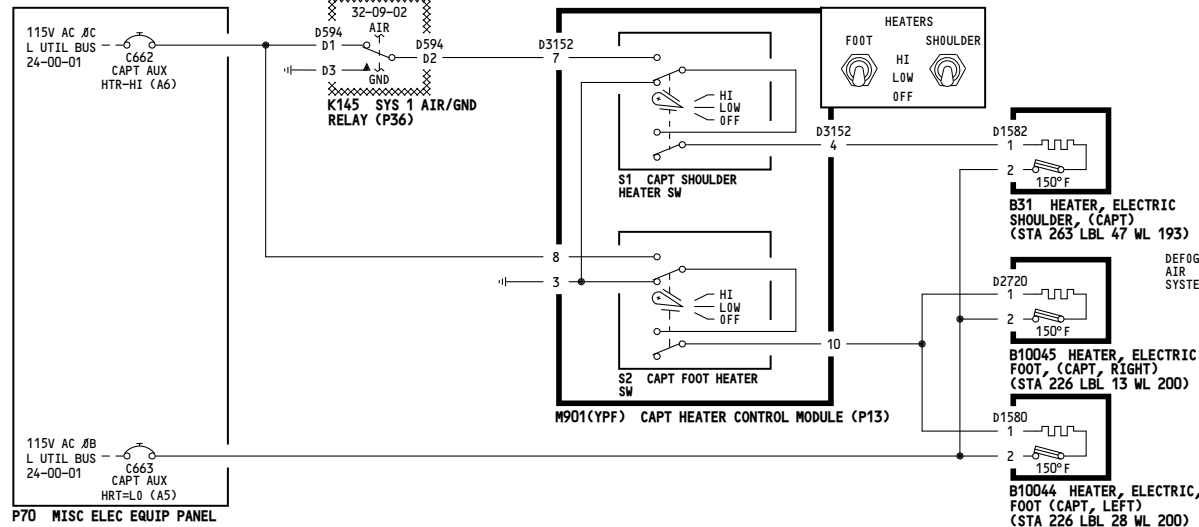
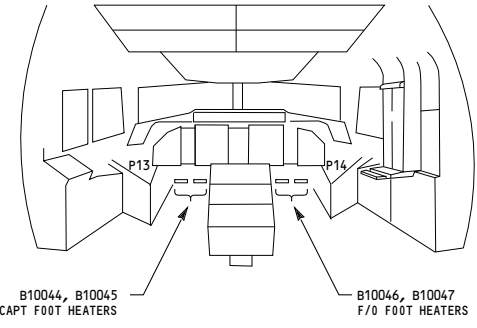
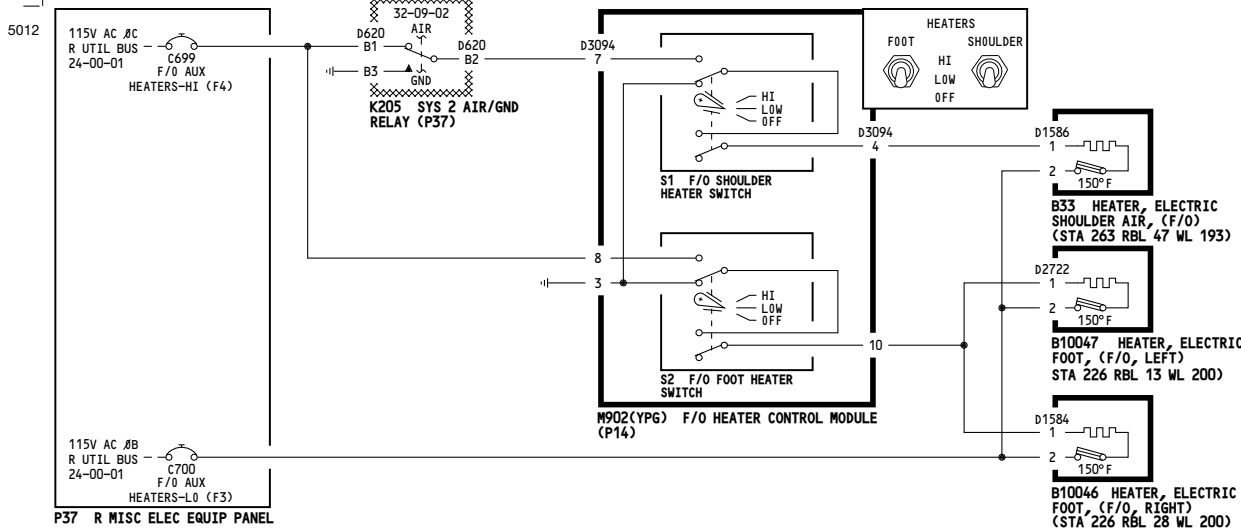
D280N032S

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WIRING DIAGRAMS
21-45-11



003-009

FLIGHT DECK SUPPLEMENTAL HEATING

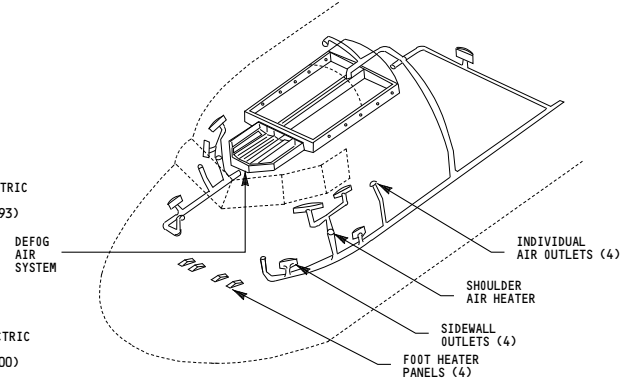
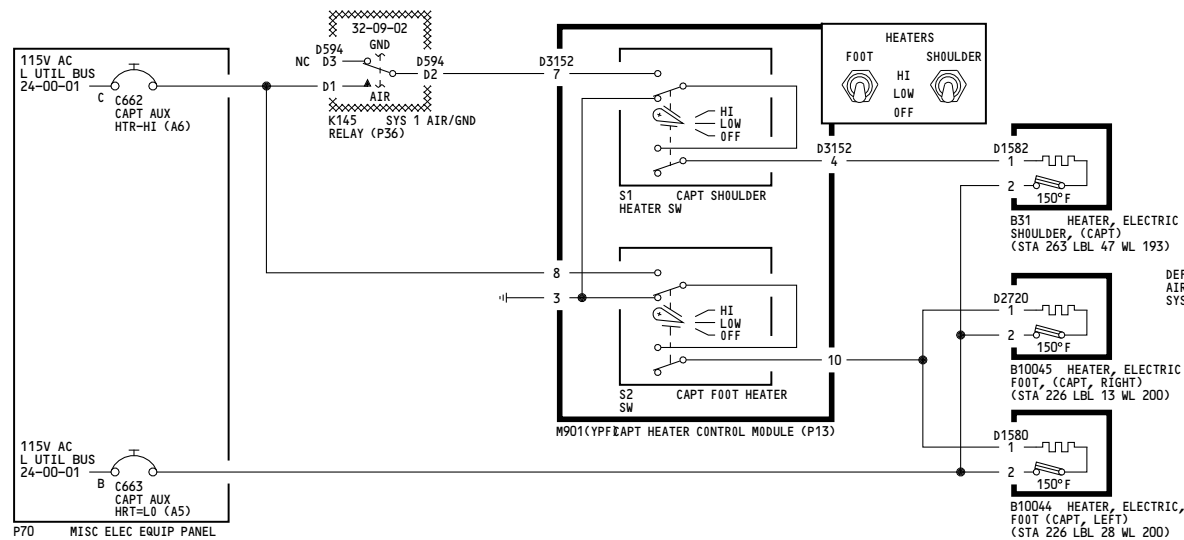
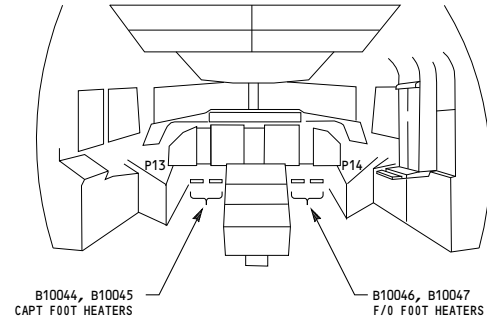
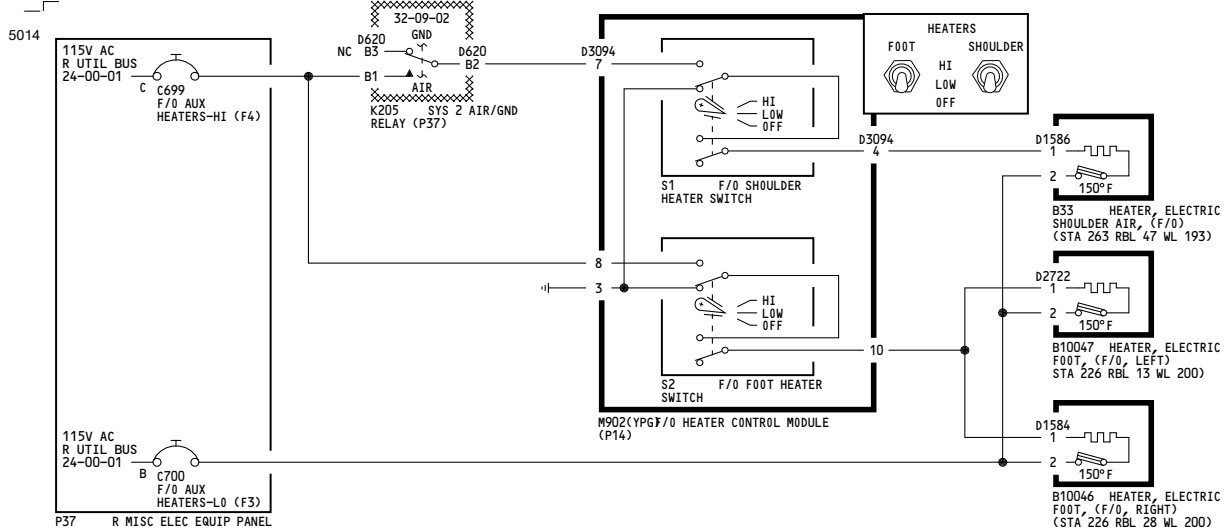
D280N032S

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WIRING DIAGRAMS
21-45-11



010-099

FLIGHT DECK SUPPLEMENTAL HEATING

D280N032S

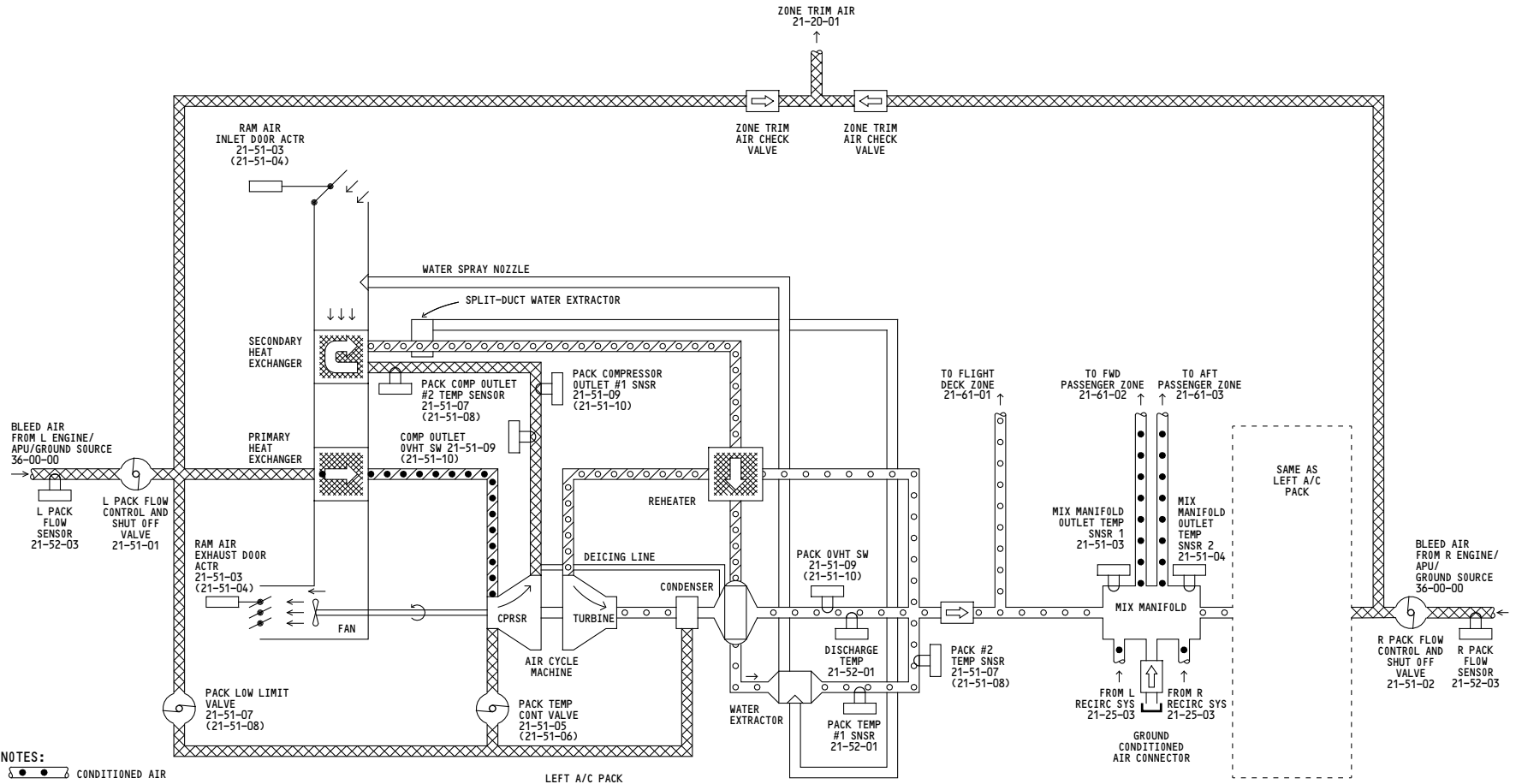
21-45-01

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NOTES:

- CONDITIONED AIR
- ○ ○ ○ ○ COLD AIR
- /○/○/○ COOL AIR
- /●/○/○ WARM AIR
- /○/○/○ HOT AIR

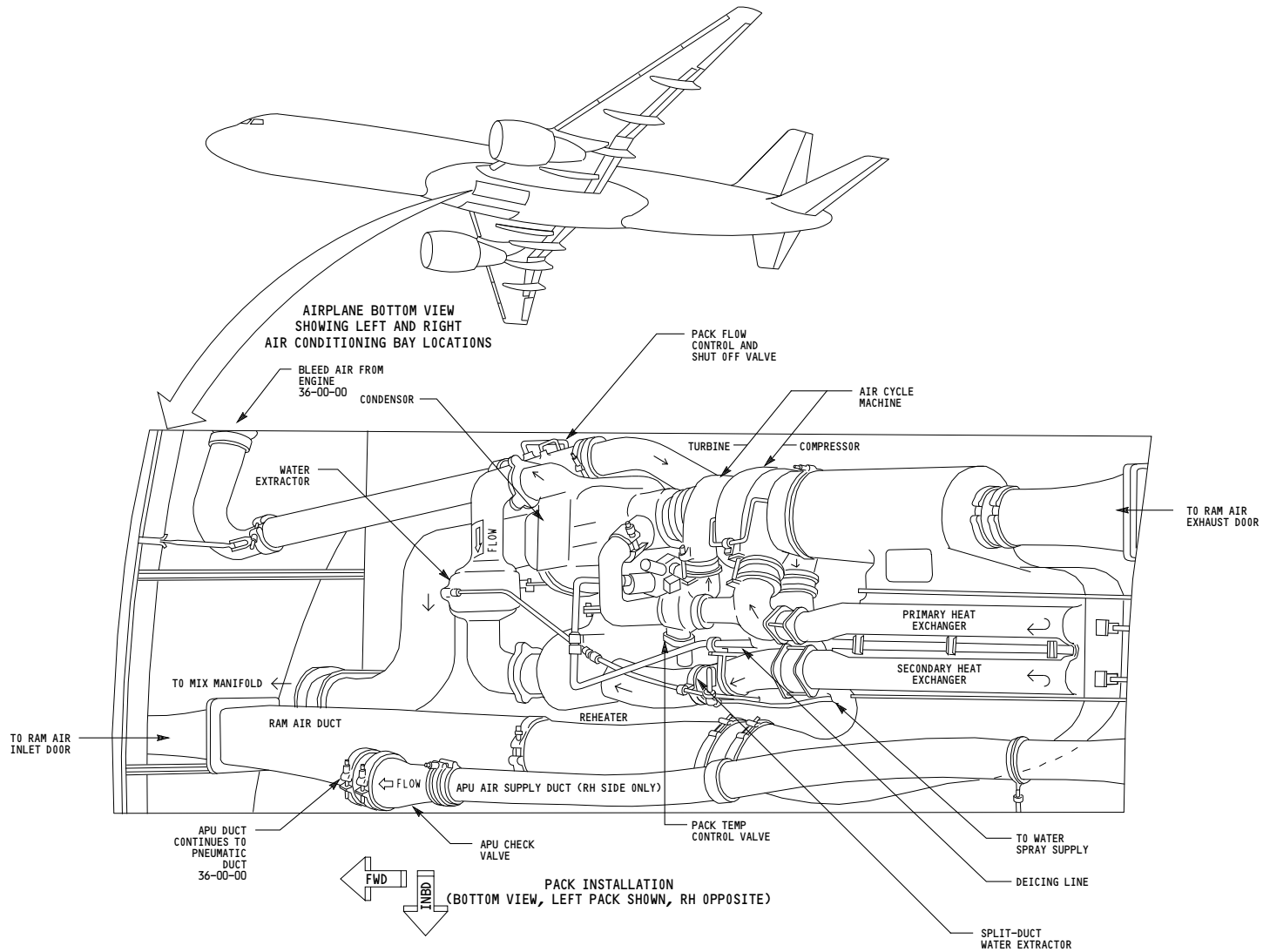
REFERENCES IN PARENTHESES REFER TO CORRESPONDING R A/C PACK COMPONENTS.

ALL	AIR CONDITIONING PACKS - SIMPLIFIED
	D280N032S

21-51-00

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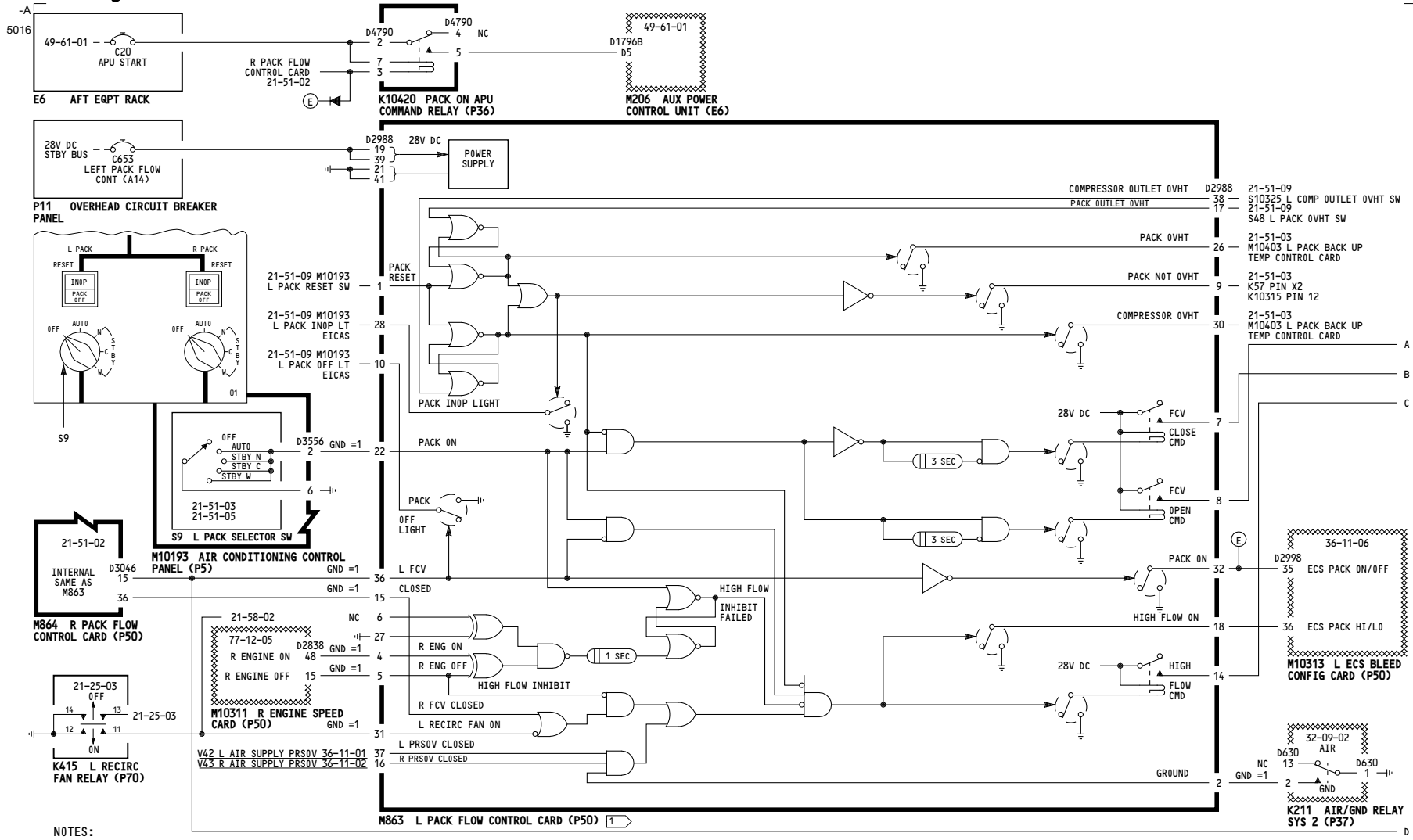
5000



ALL	<p>AIR CONDITIONING PACKS - SIMPLIFIED</p> <p>D280N032S</p>
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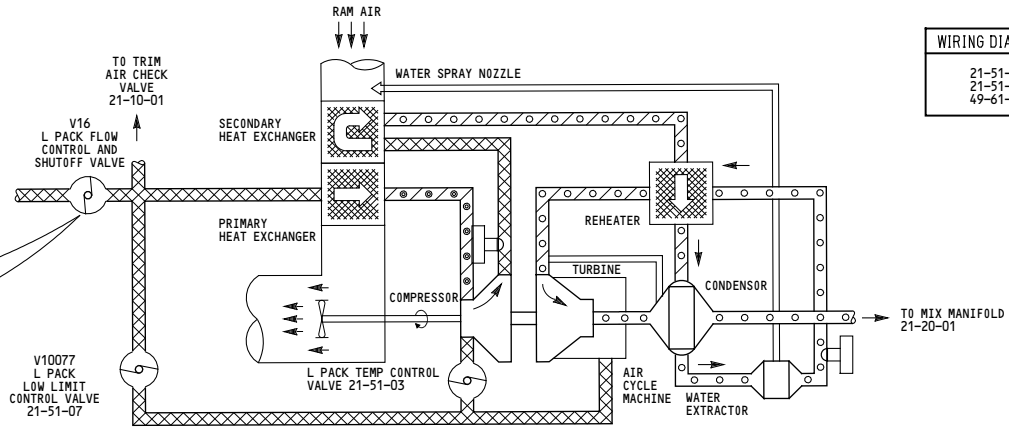
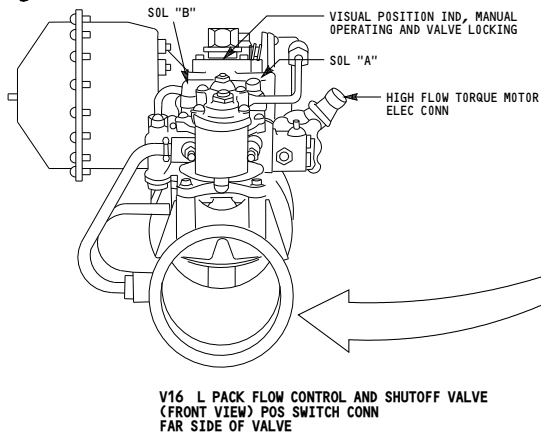


NOTES:
 1 ALL INPUTS: SIGNAL NAME = LOGIC "1"

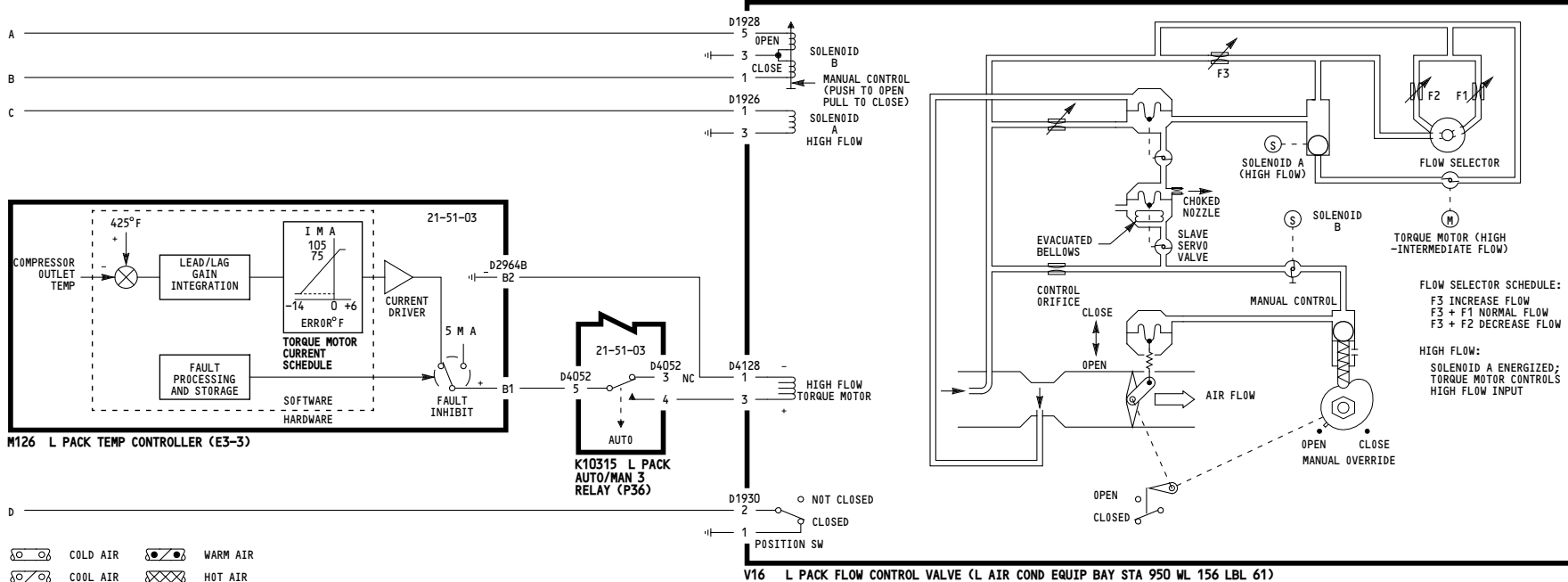
001-099	LEFT PACK FLOW CONTROL
D280N032S	

21-51-01

5014

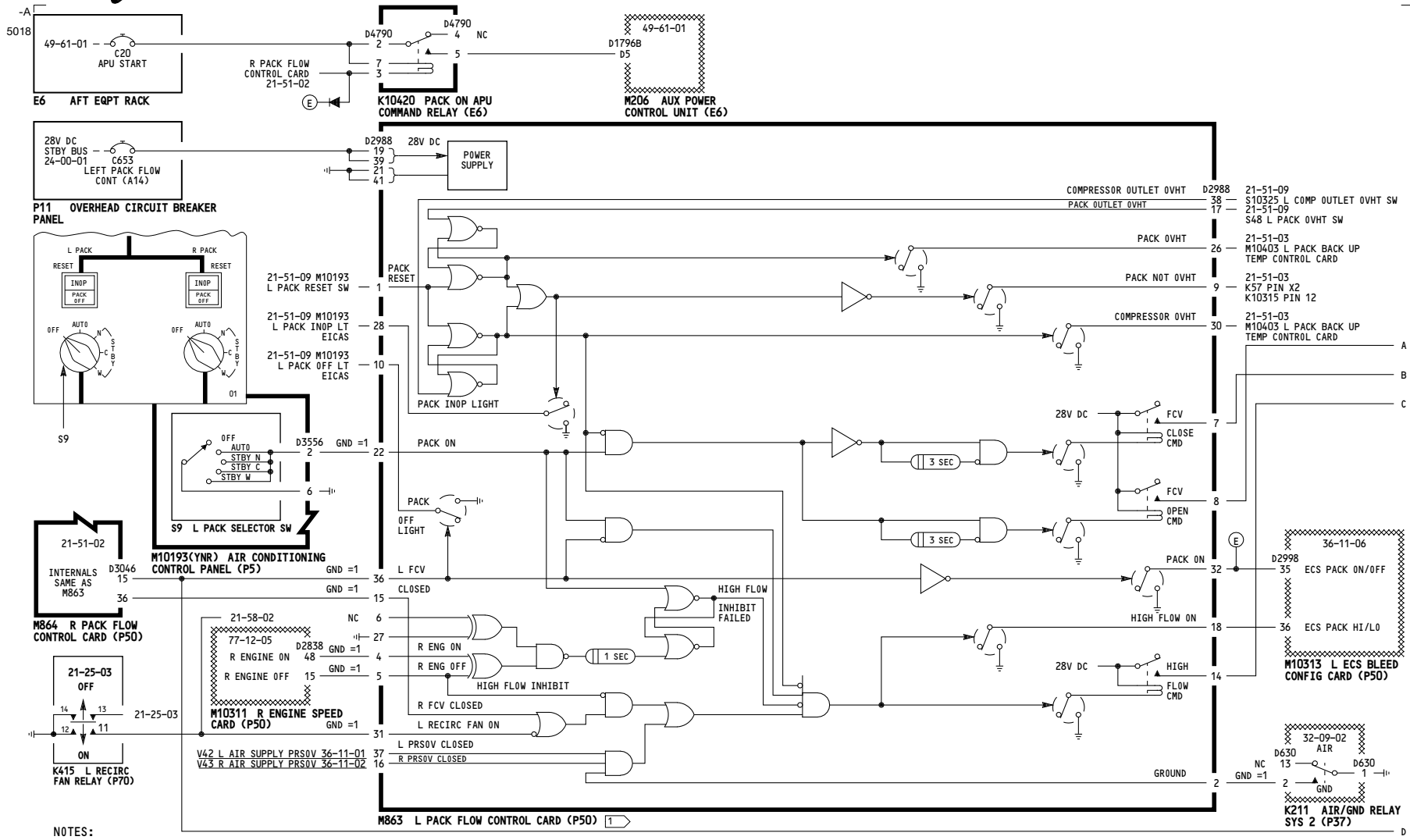


WIRING DIAGRAMS	
21-51-11	
21-51-12	
49-61-11	



001-099	LEFT PACK FLOW CONTROL
D280N032S	

21-51-01



115-199

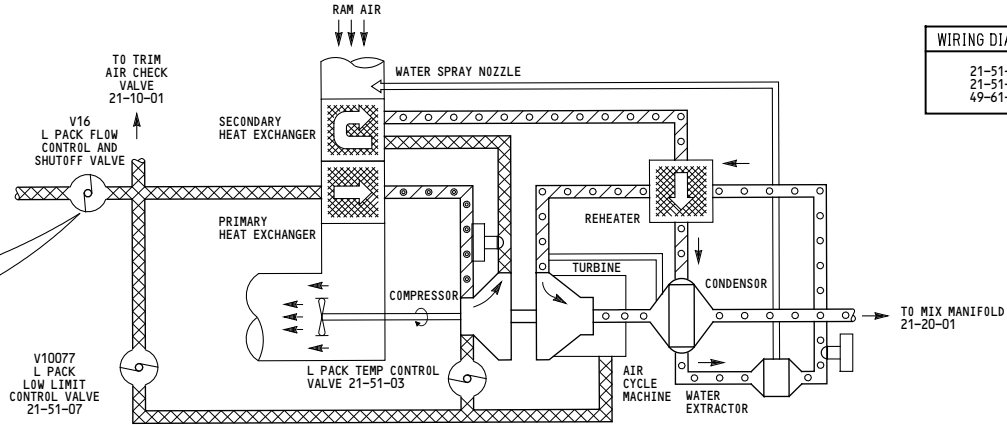
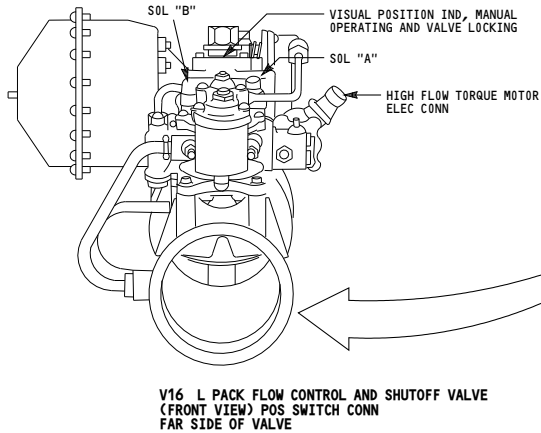
LEFT PACK FLOW CONTROL

D280N032S

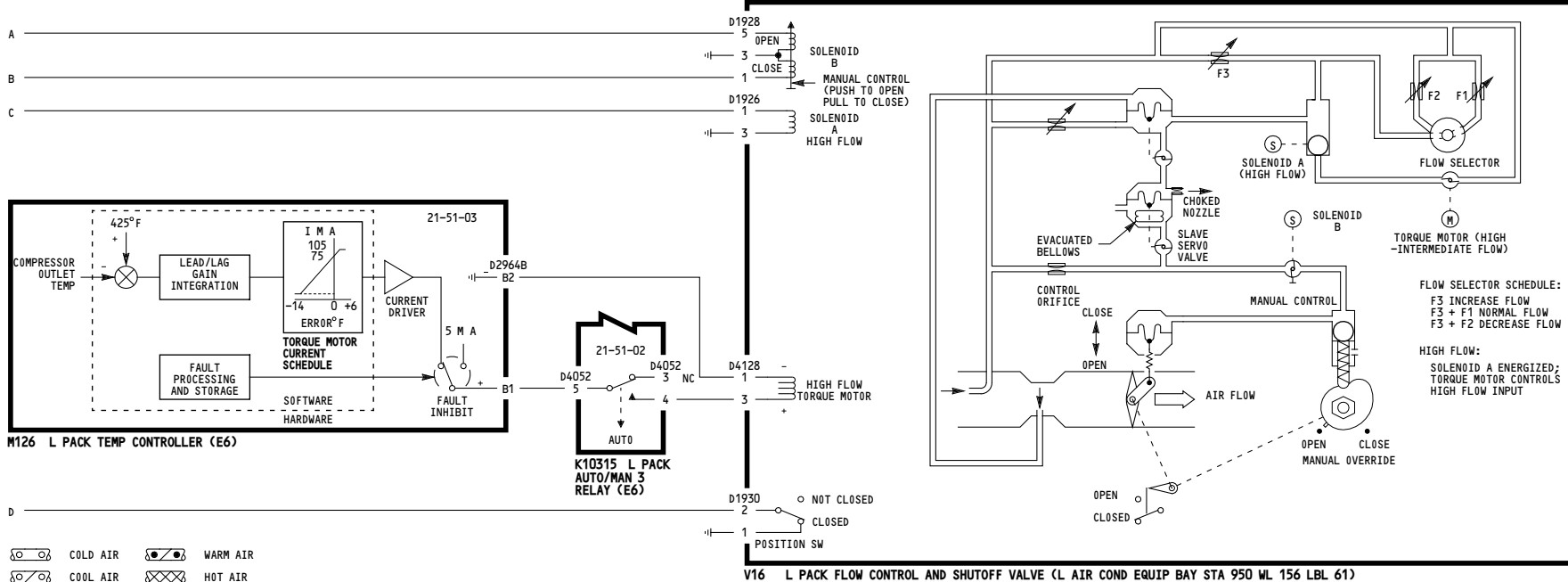
21-51-01

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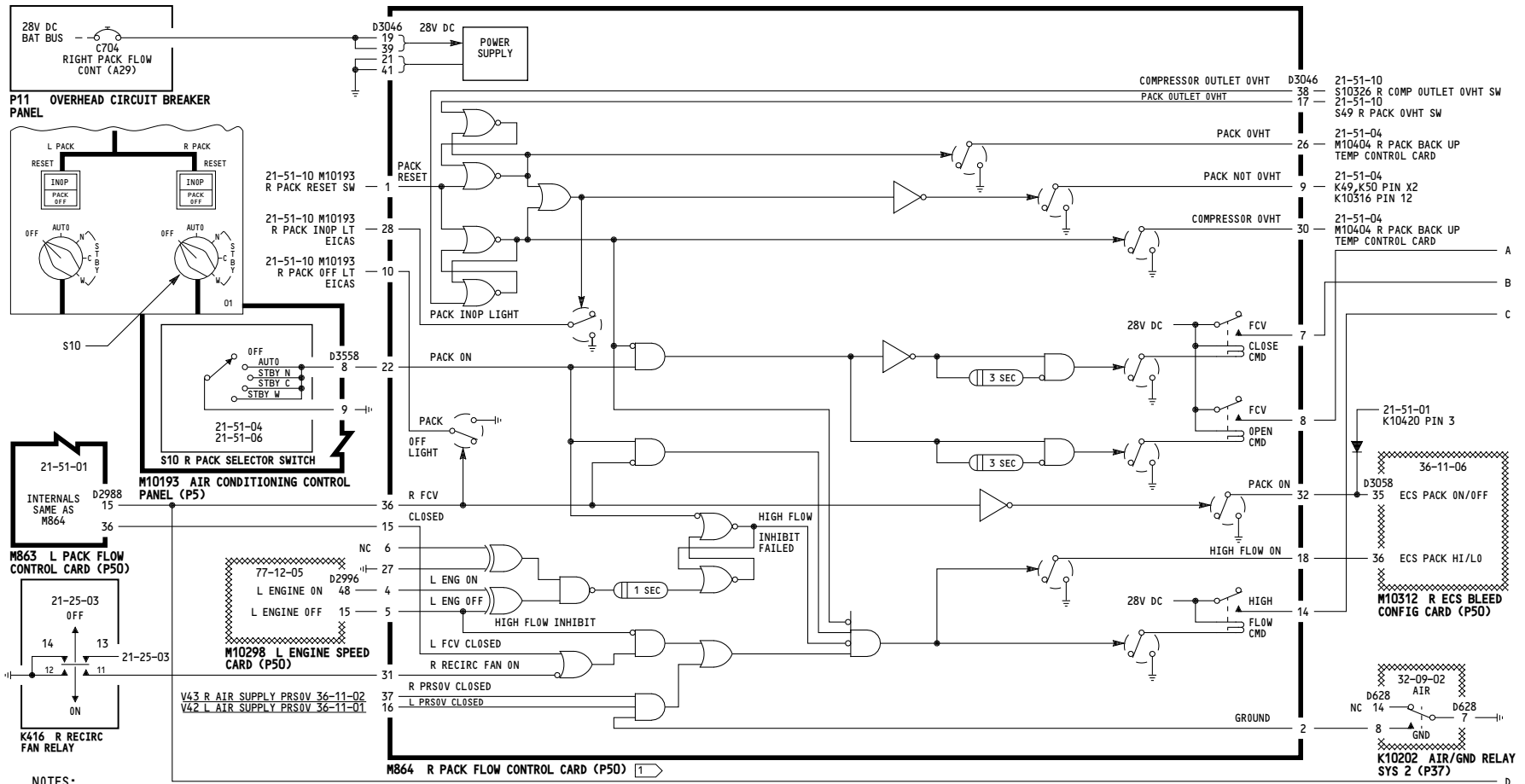
WIRING DIAGRAMS	
21-51-11	
21-51-12	
49-61-11	



115-199	LEFT PACK FLOW CONTROL
	D280N032S

21-51-01

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NOTES:

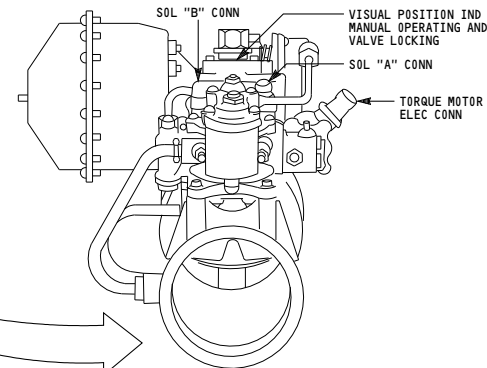
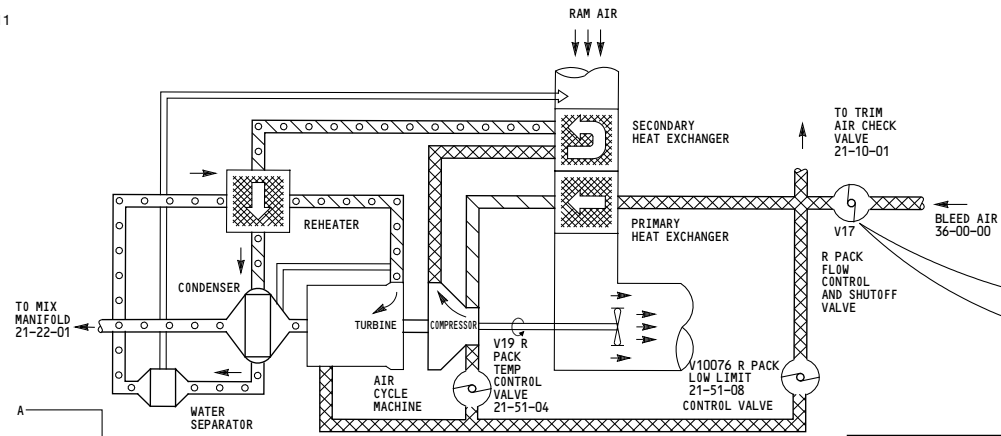
1 ALL INPUTS INVERTED GROUND INPUT = LOGIC "1".

<p>ALL</p>	<p>RIGHT PACK FLOW CONTROL</p> <p>D280N032S</p>
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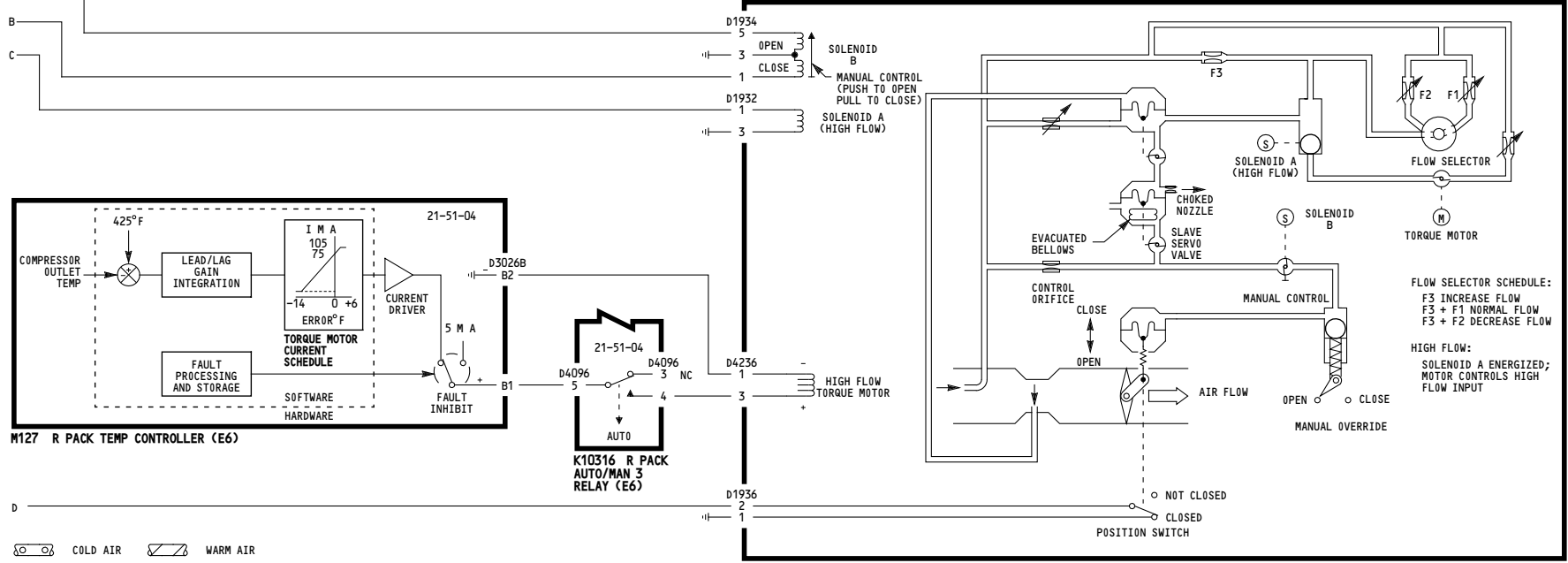
21-51-02

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WIRING DIAGRAMS
21-51-21
21-51-22



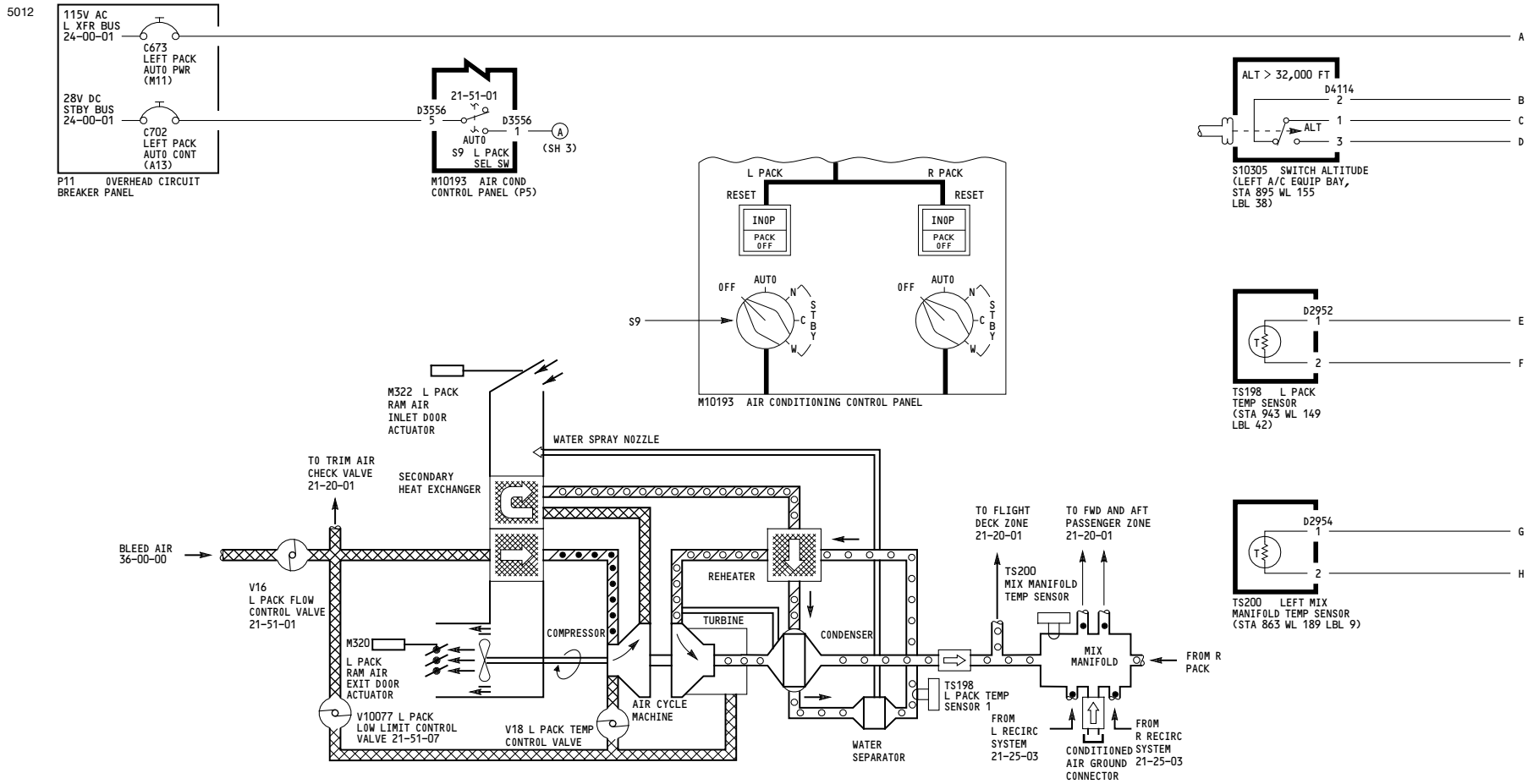
V17 R PACK FLOW CONTROL AND SHUTOFF VALVE (FRONT VIEW) (POS SW CONN FAR SIDE OF VALVE)



○ COLD AIR ◻ WARM AIR
◌ COOL AIR ◌ HOT AIR

ALL	RIGHT PACK FLOW CONTROL
	D280N032S

21-51-02

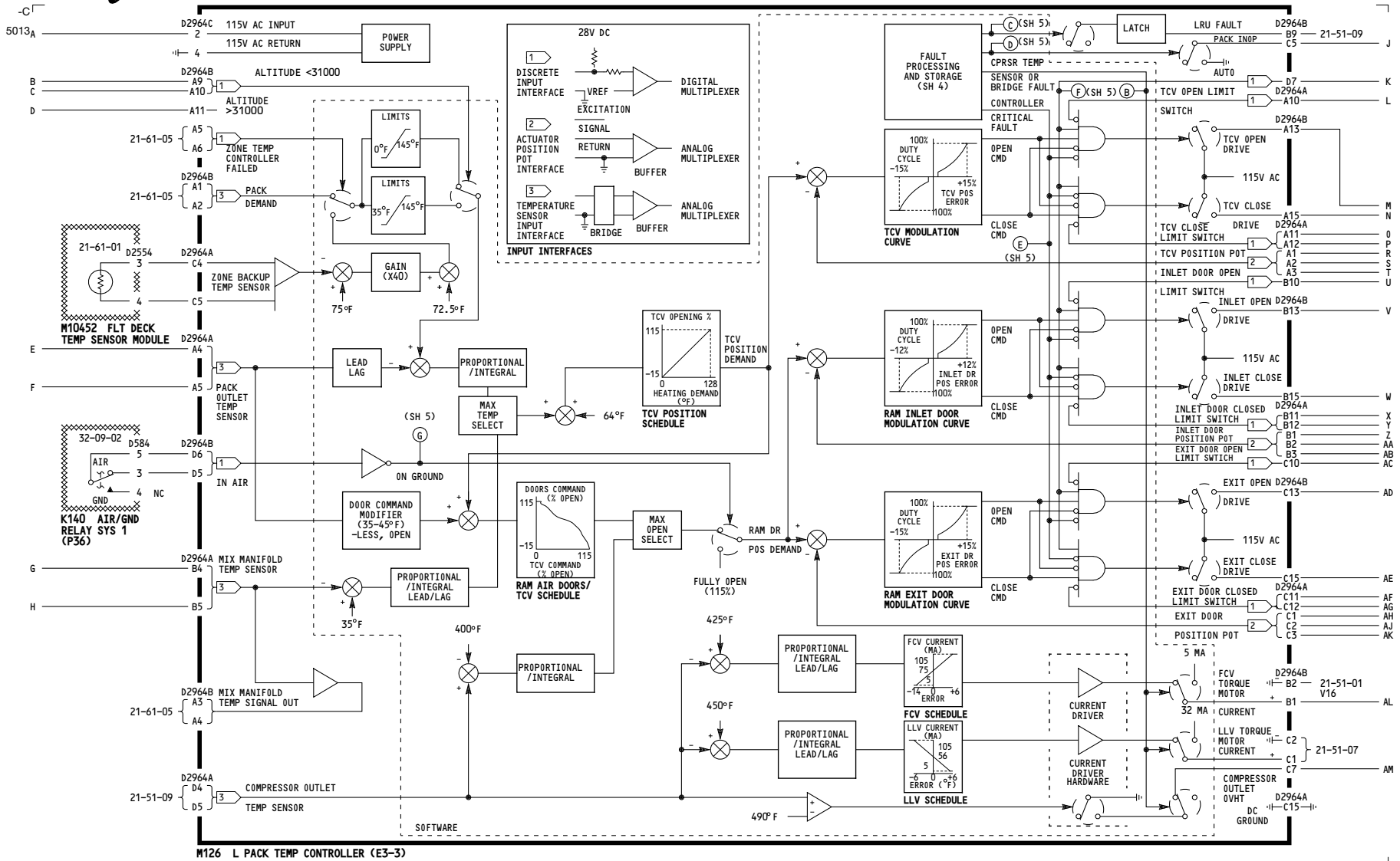


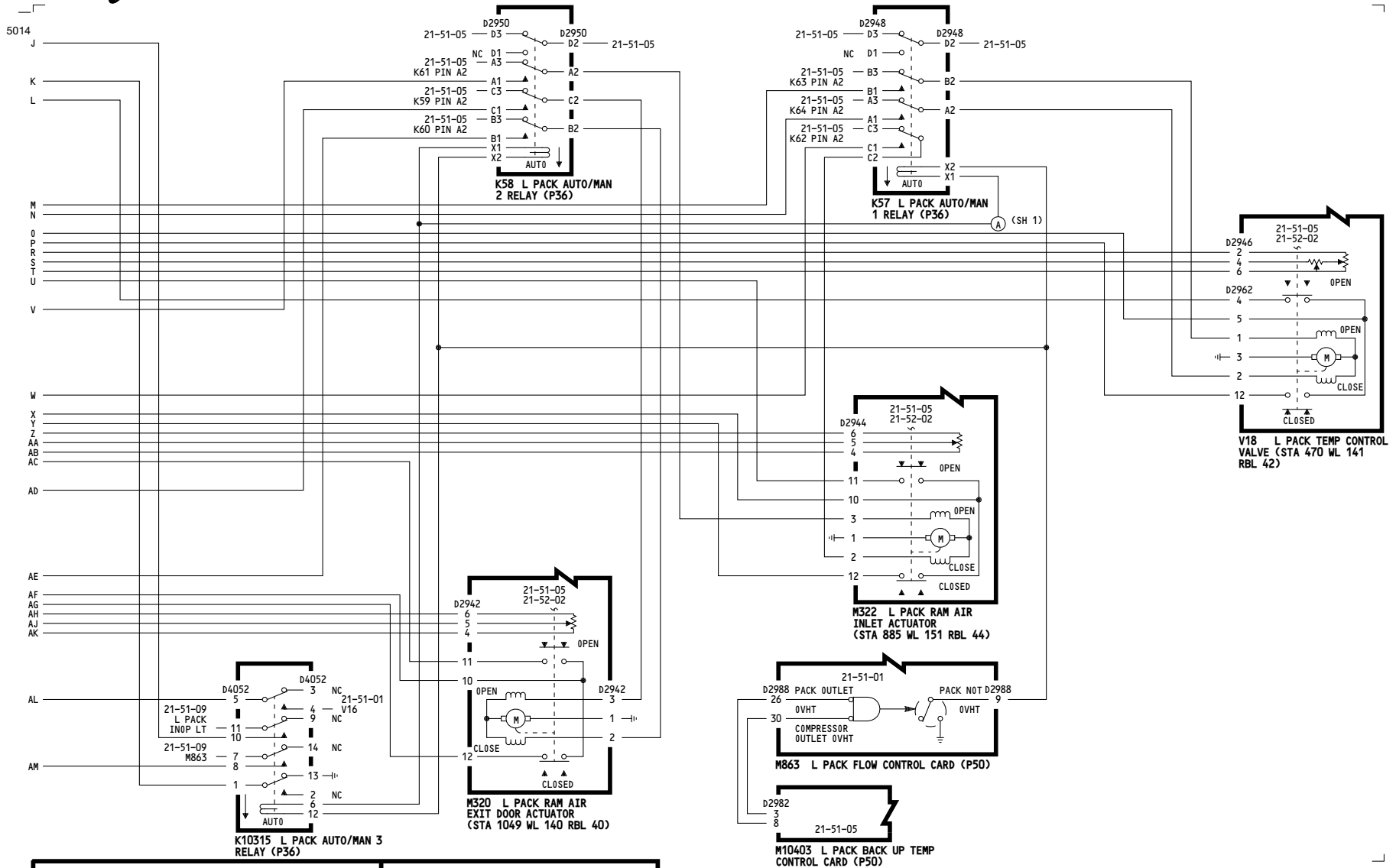
NOTES:

- CONDITIONED AIR
- COLD AIR
- COOL AIR
- WARM AIR
- HOT AIR

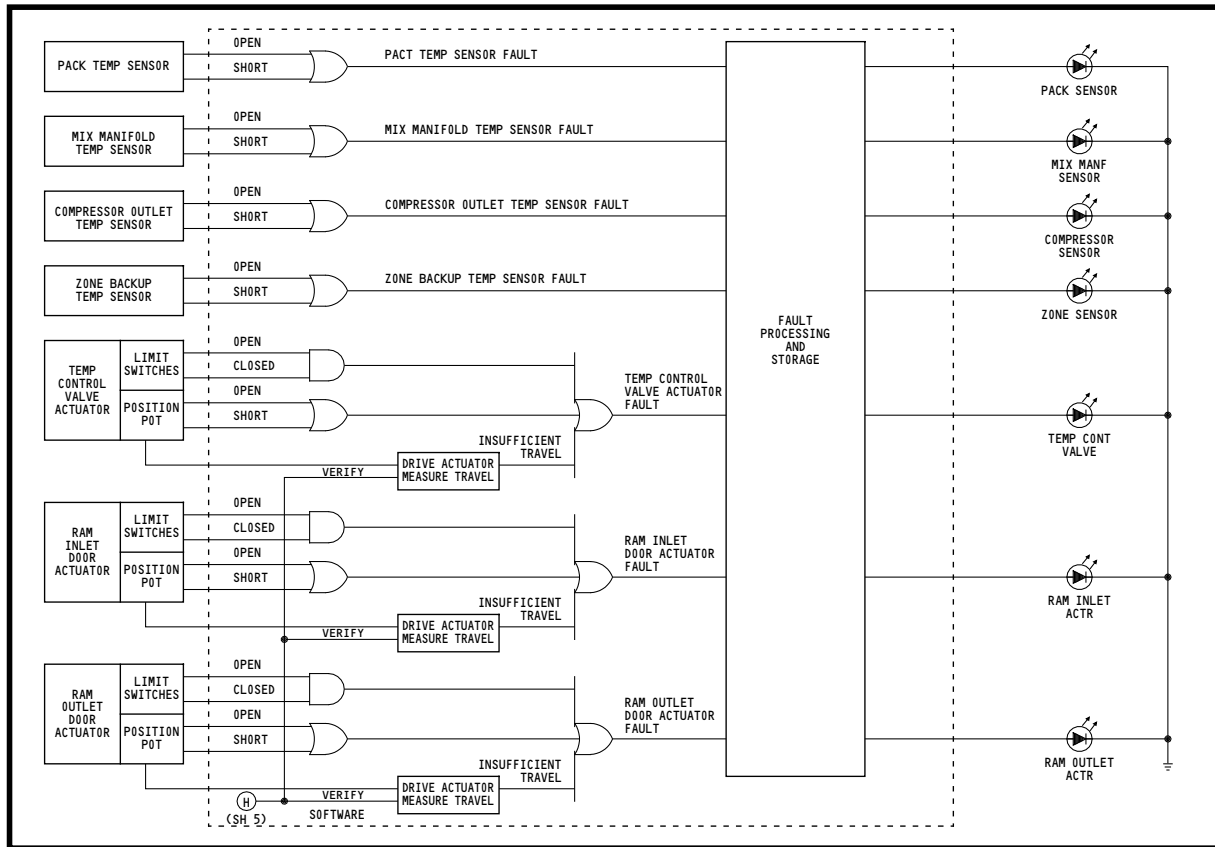
001-099	LEFT PACK CONTROL - AUTO
D280N032S	

21-51-03

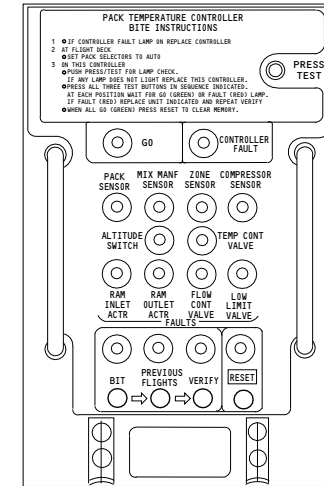




21-51-03

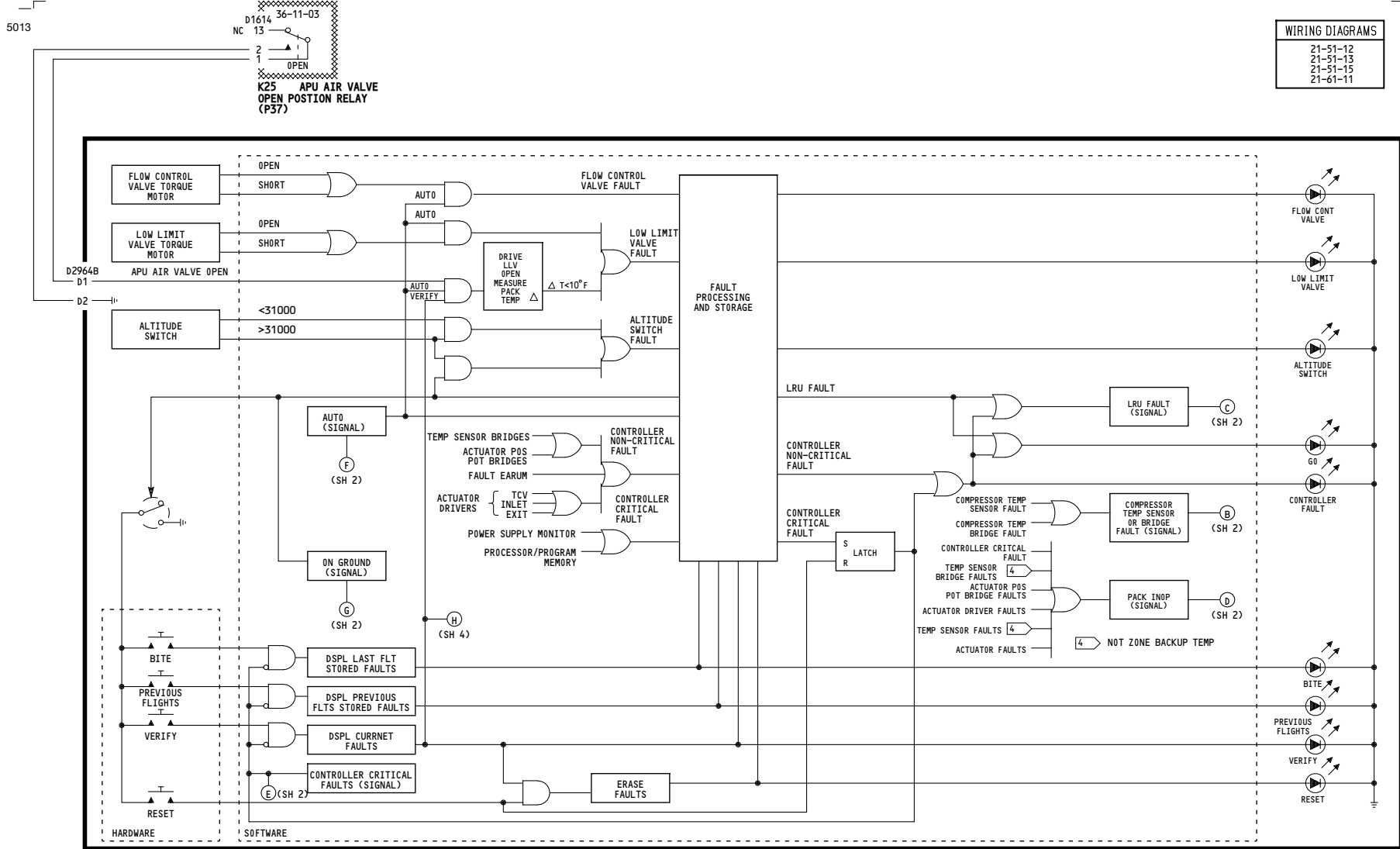


M126 L PACK TEMP CONTROLLER (E3-3)



001-099	LEFT PACK CONTROL - AUTO
D280N032S	

WIRING DIAGRAMS	
21-51-12	
21-51-13	
21-51-15	
21-61-11	

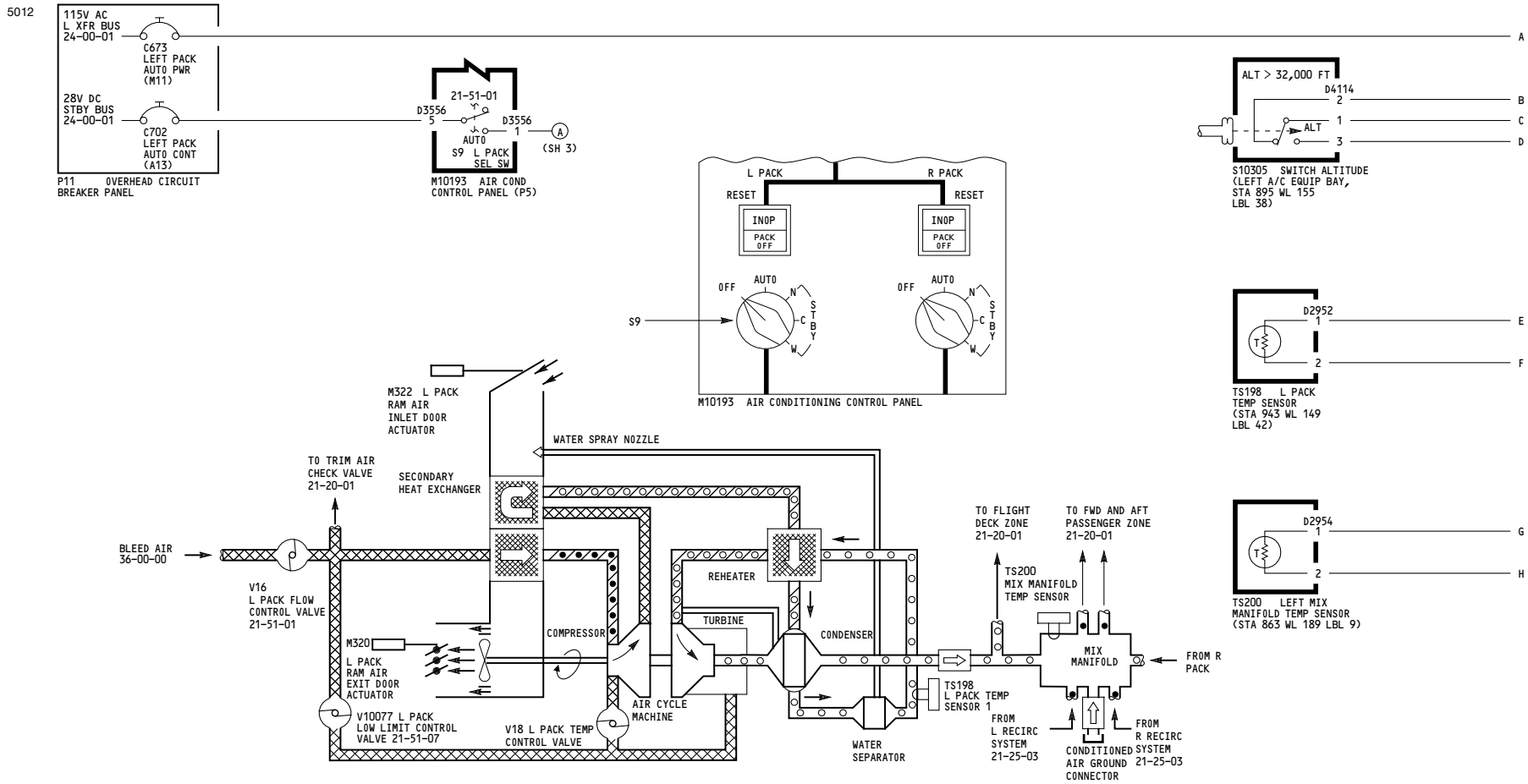


M126 L PACK TEMP CONTROLLER (E3-3)

001-099	LEFT PACK CONTROL - AUTO
D280N032S	

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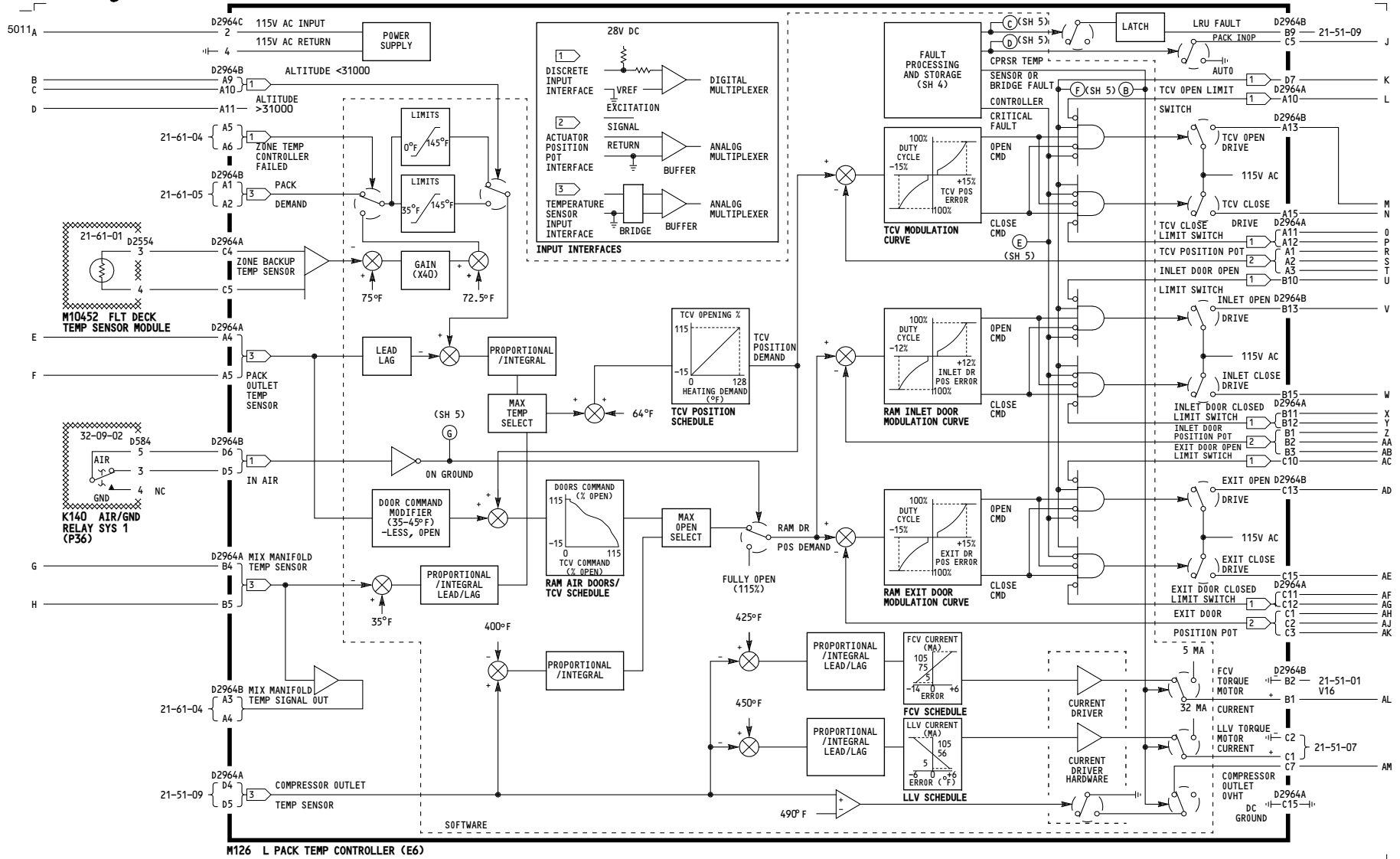


NOTES:

- CONDITIONED AIR
- COLD AIR
- COOL AIR
- WARM AIR
- HOT AIR

115-199	LEFT PACK CONTROL - AUTO
D280N032S	

21-51-03



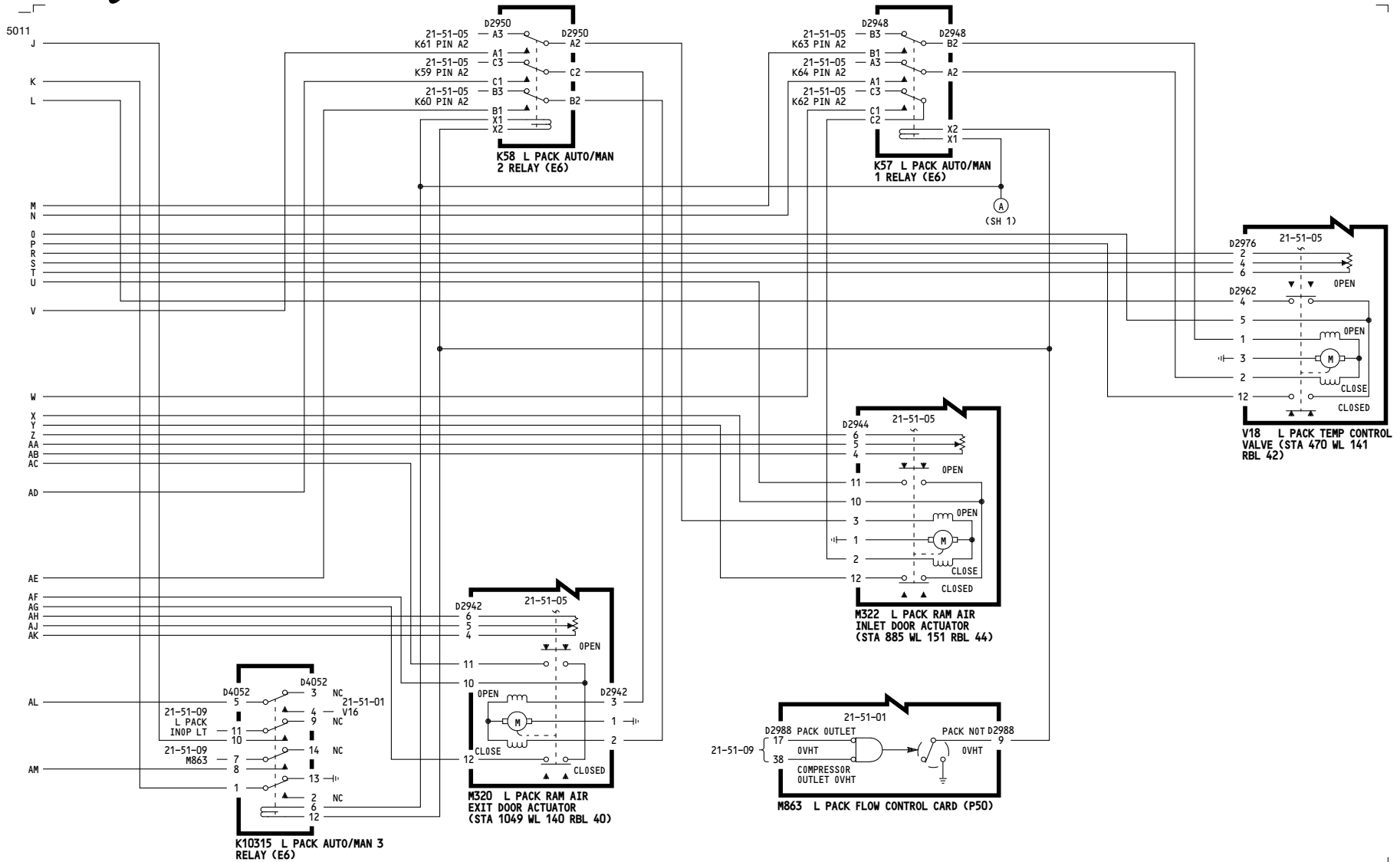
115-199

LEFT PACK CONTROL - AUTO

21-51-03

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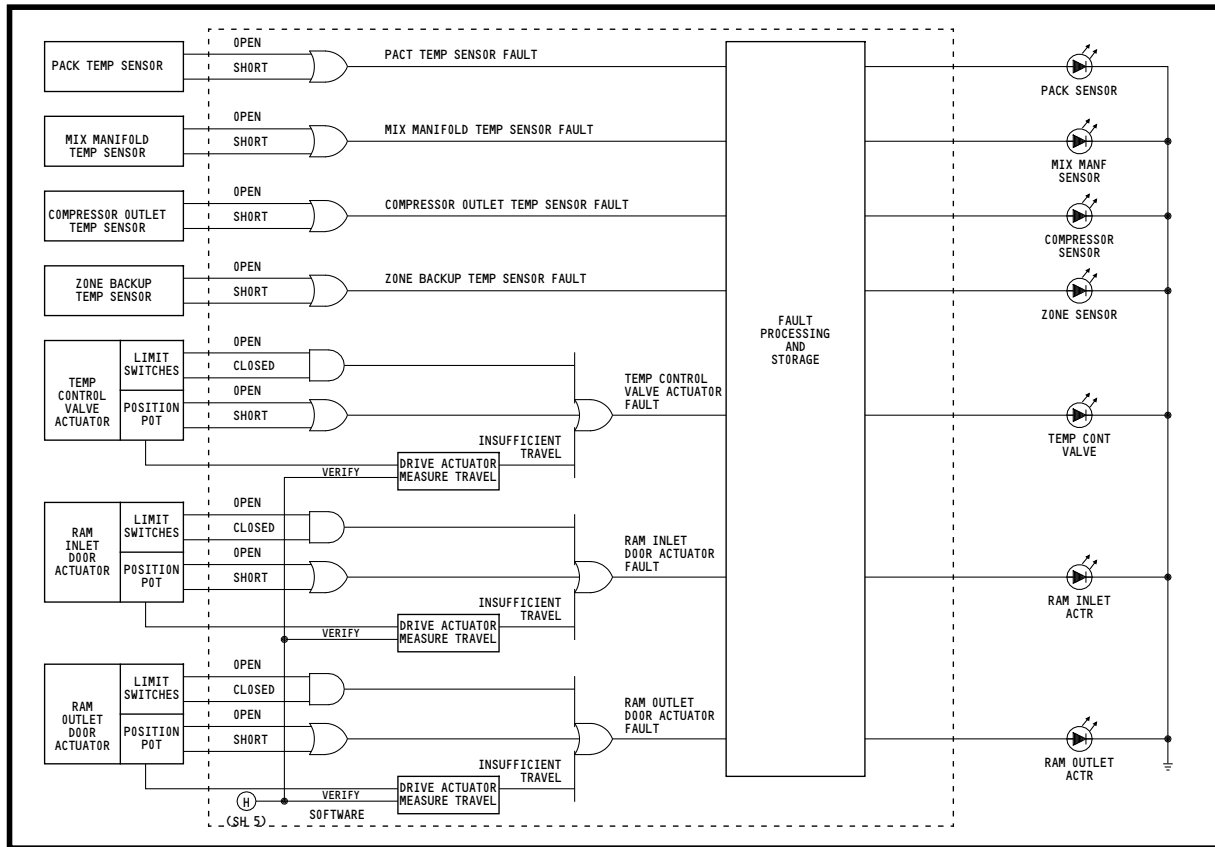
115-199

LEFT PACK CONTROL - AUTO

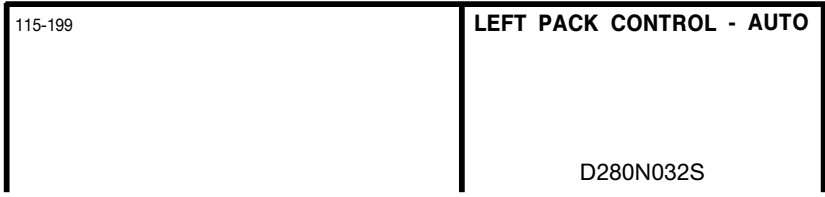
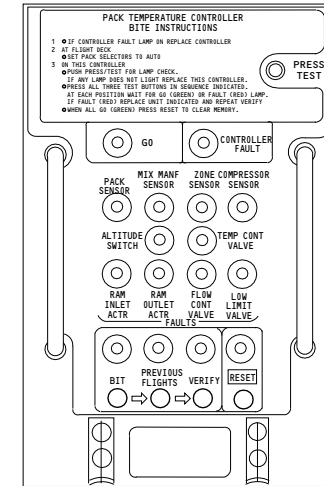
D280N032S

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M126 L PACK TEMP CONTROLLER (E6)

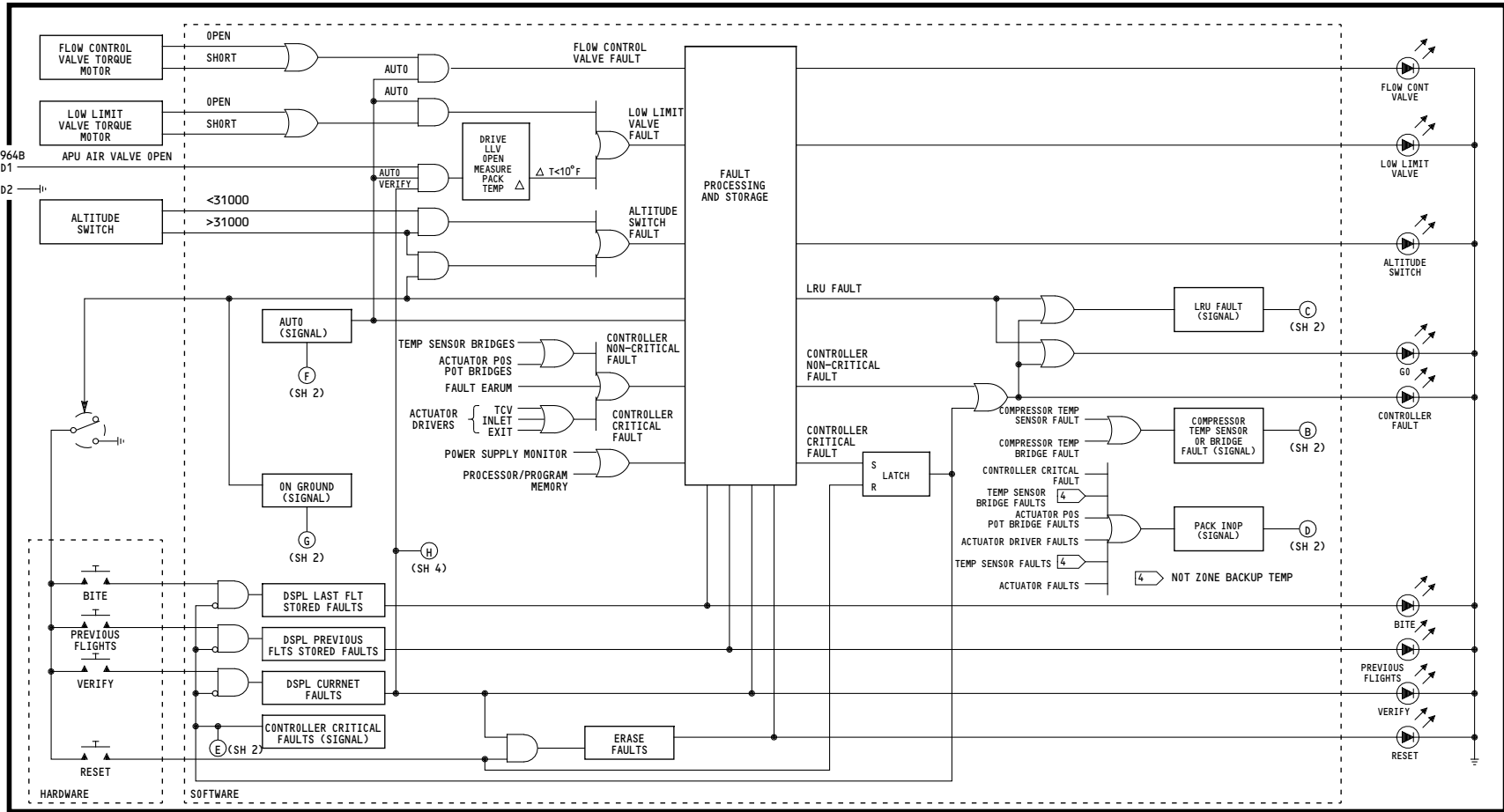
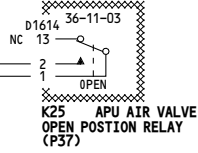


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WIRING DIAGRAMS
21-51-12
21-51-13

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M126 L PACK TEMP CONTROLLER (E6)

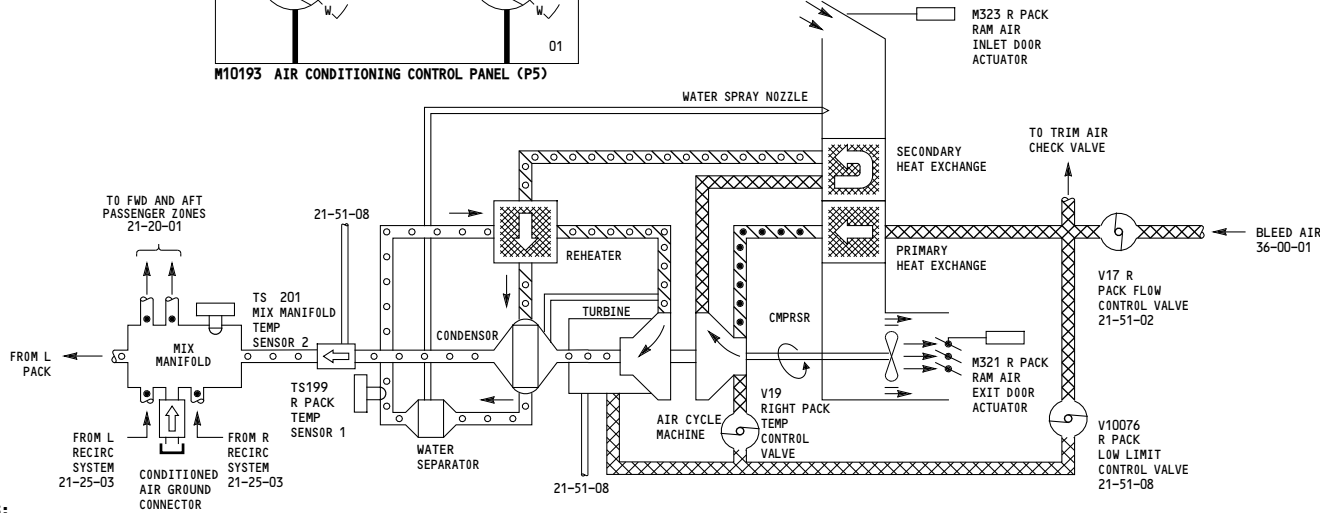
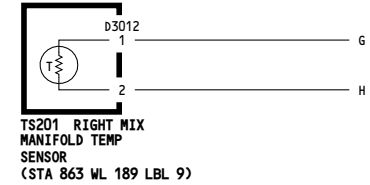
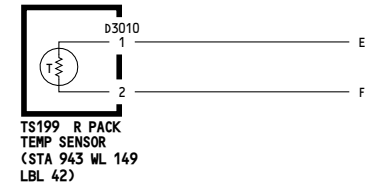
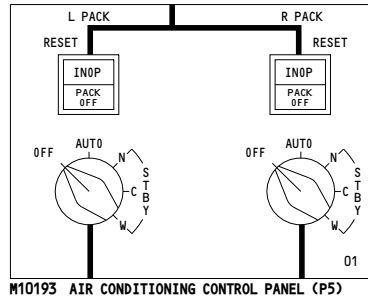
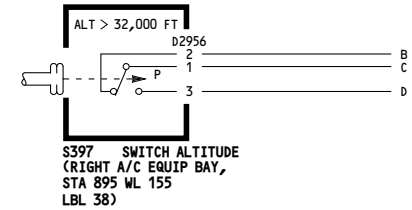
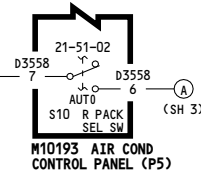
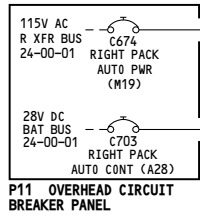
<p>115-199</p>	<p>LEFT PACK CONTROL - AUTO</p> <p>D280N032S</p>
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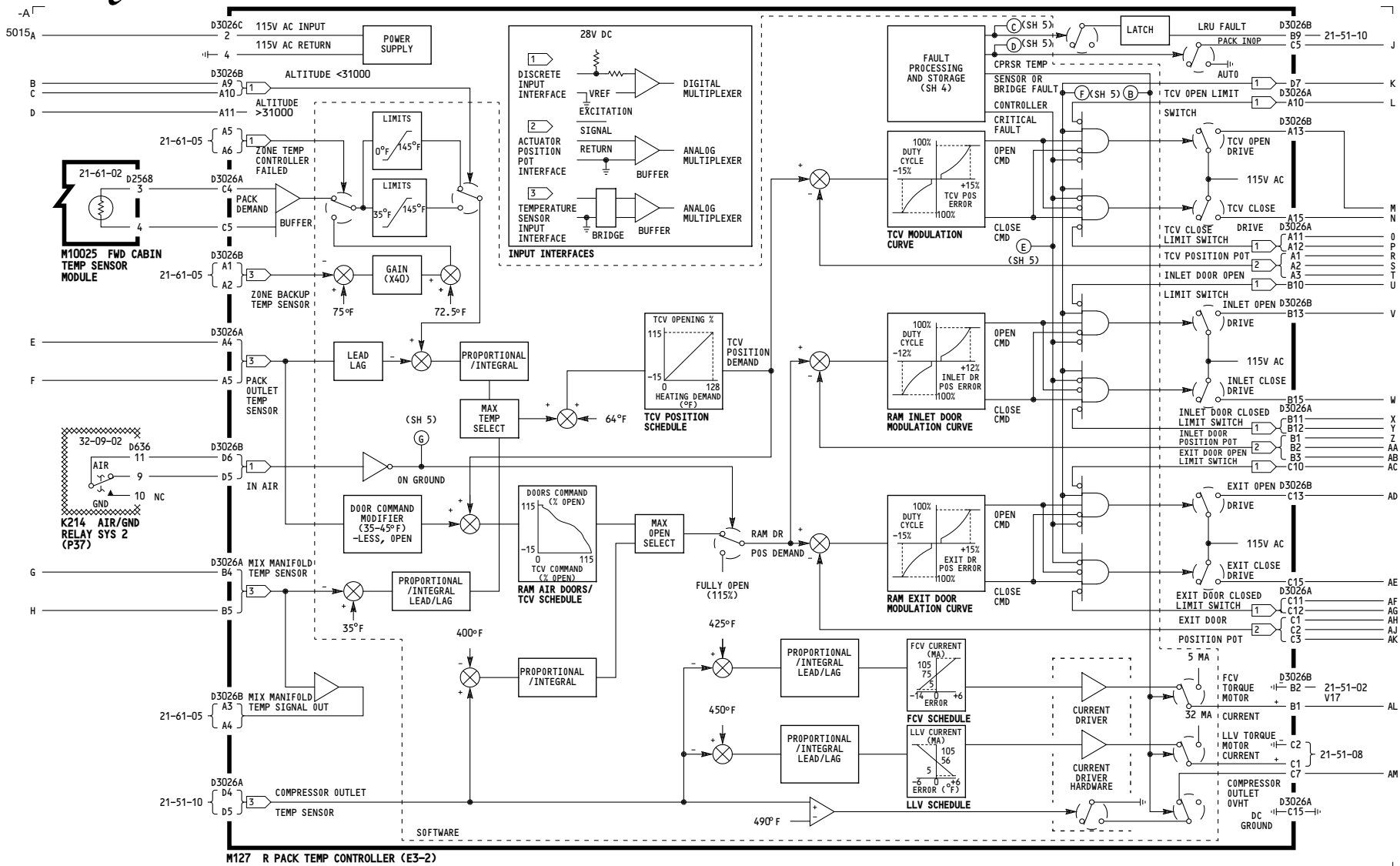


NOTES:

- CONDITIONED AIR
- COLD AIR
- COOL AIR
- WARM AIR
- HOT AIR

001-099	RIGHT PACK CONTROL - AUTO
D280N032S	

21-51-04



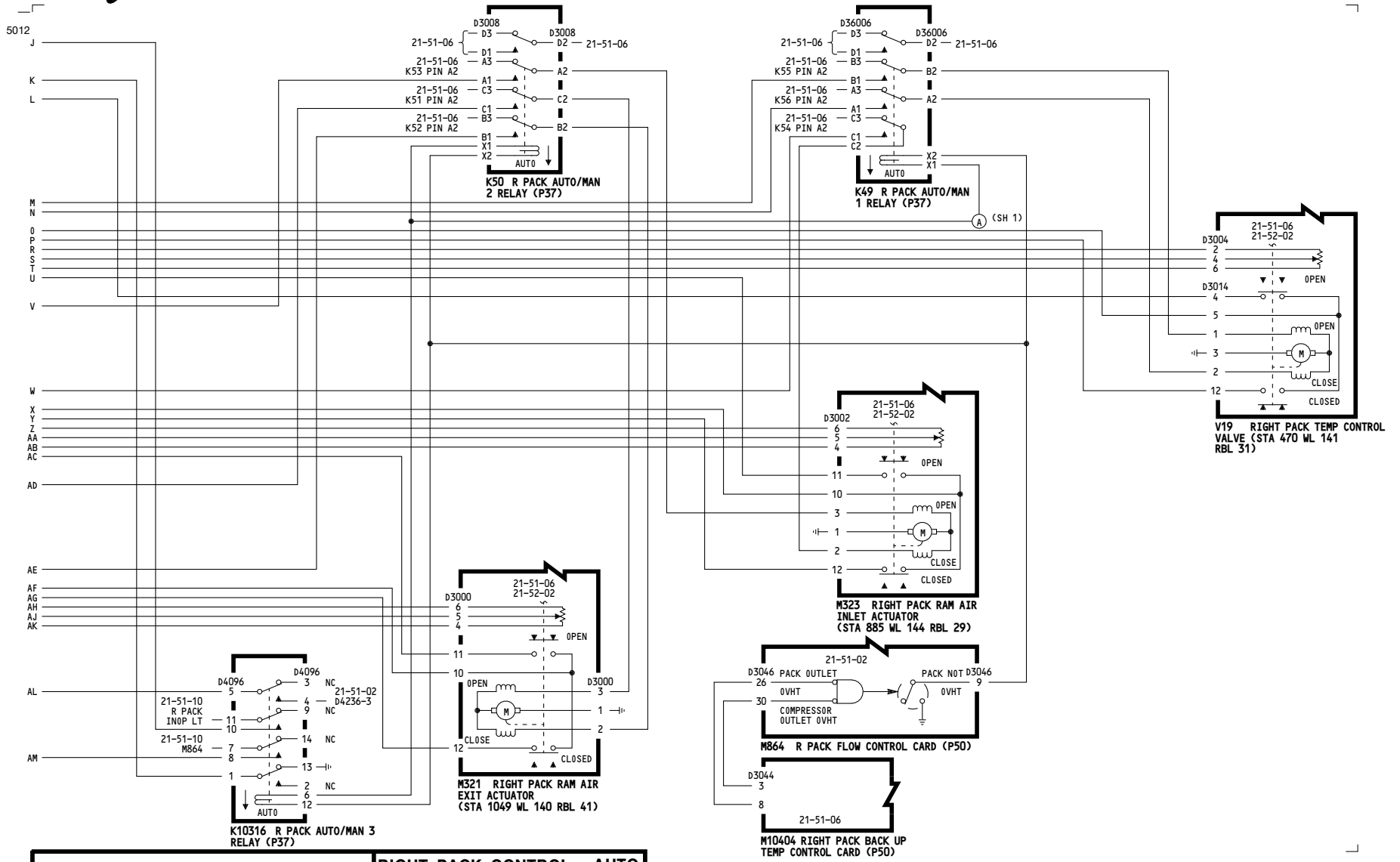
001-099

RIGHT PACK CONTROL - AUTO

D280N032S

21-51-04

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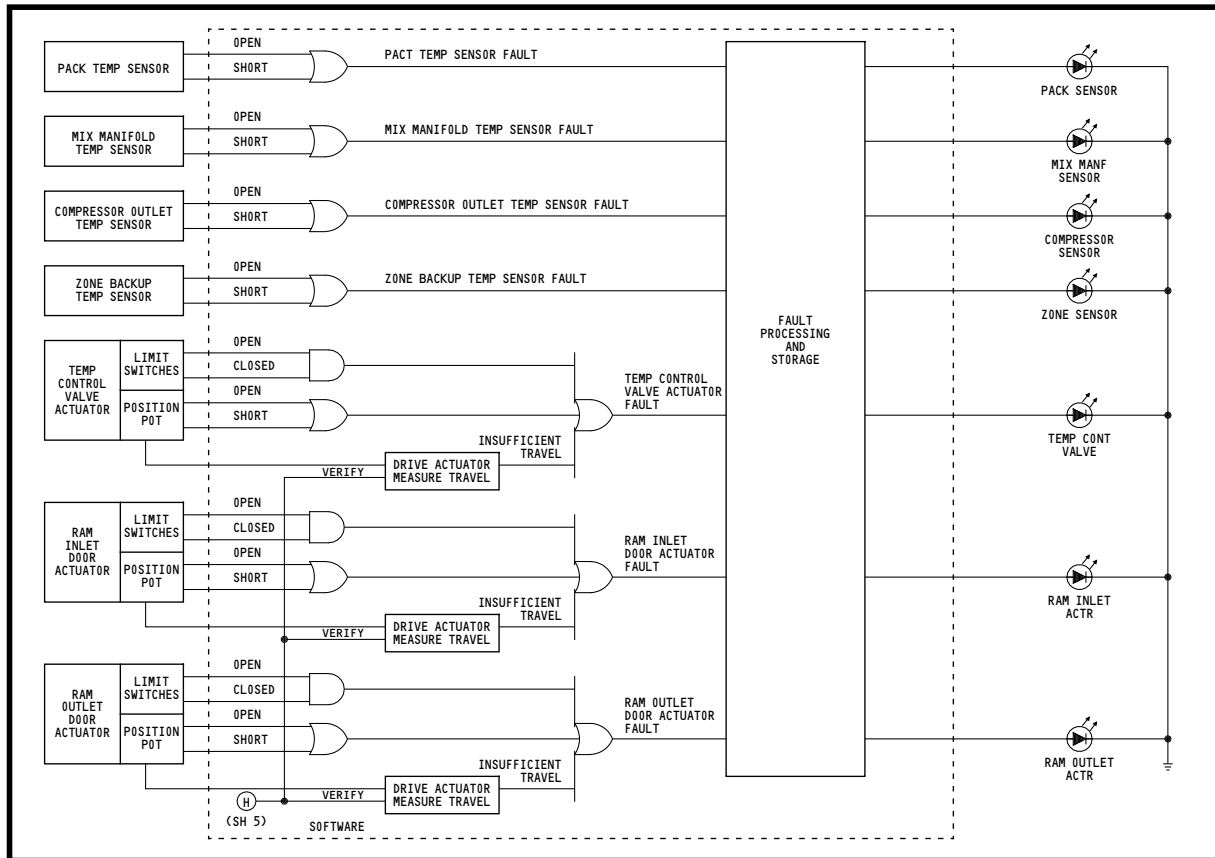


001-099

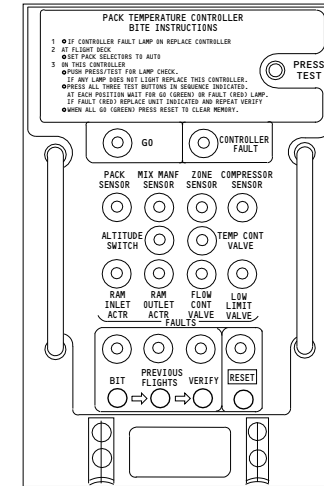
RIGHT PACK CONTROL - AUTO

D280N032S

21-51-04



M127 R PACK TEMP CONTROLLER (E3-2)

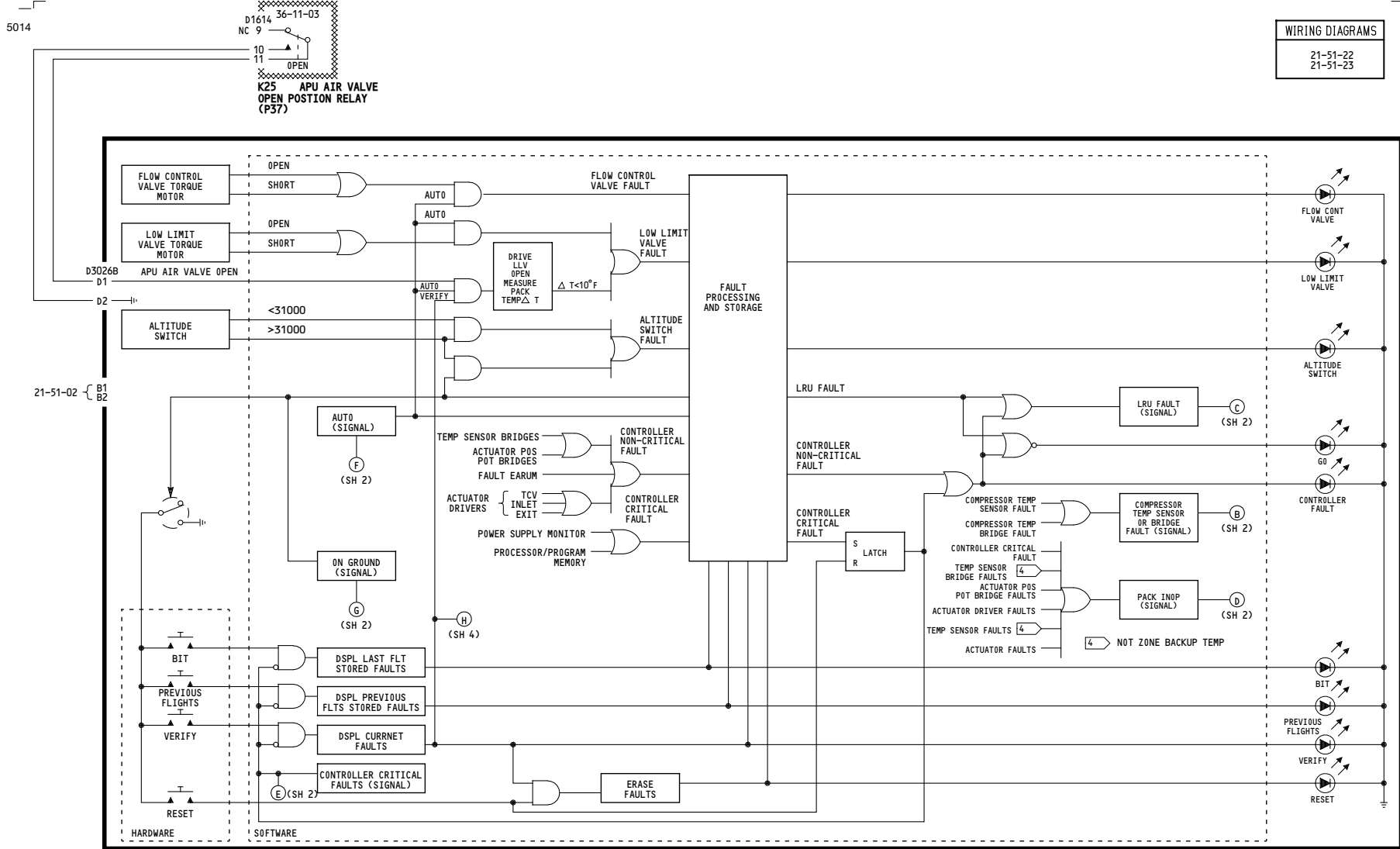


001-099	RIGHT PACK CONTROL - AUTO
D280N032S	

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WIRING DIAGRAMS
21-51-22
21-51-23



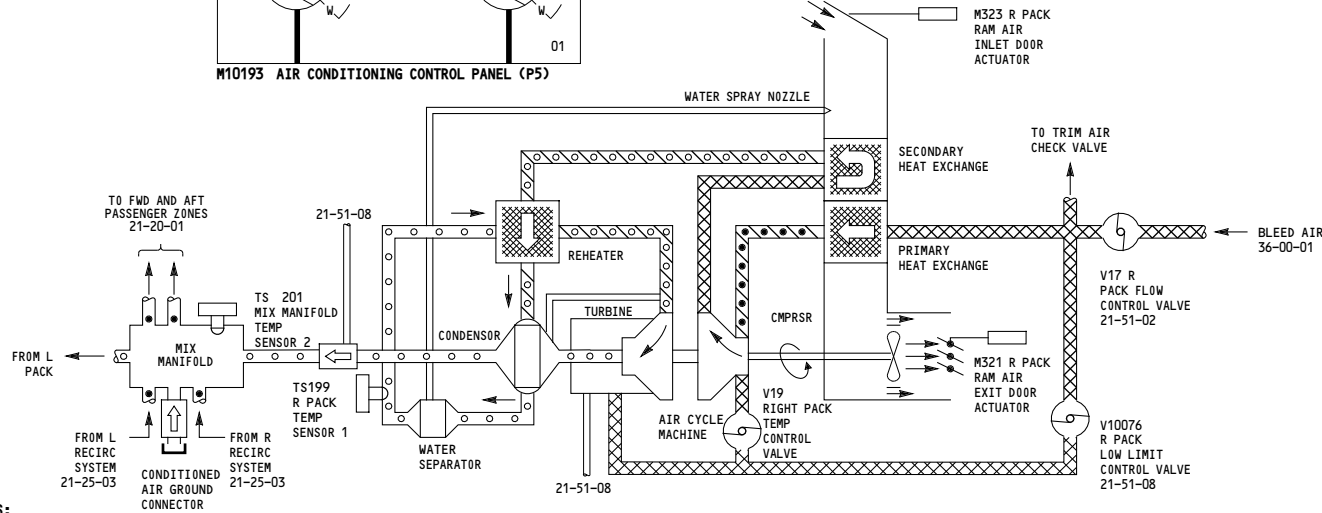
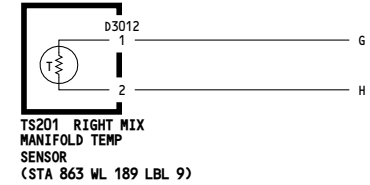
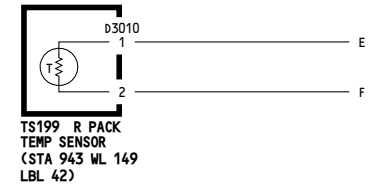
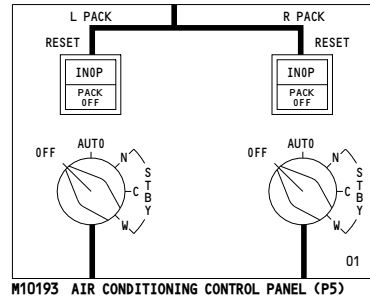
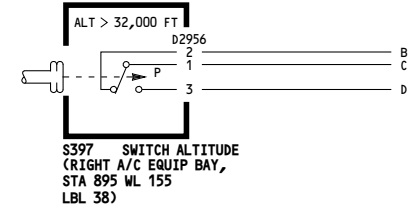
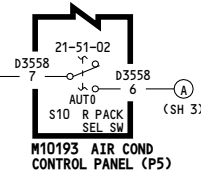
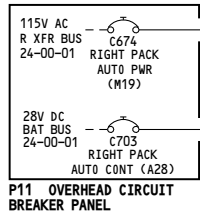
M127 R PACK TEMP CONTROLLER (E3-2)

001-099	<p>RIGHT PACK CONTROL - AUTO</p> <p>D280N032S</p>
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21-51-04

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5012

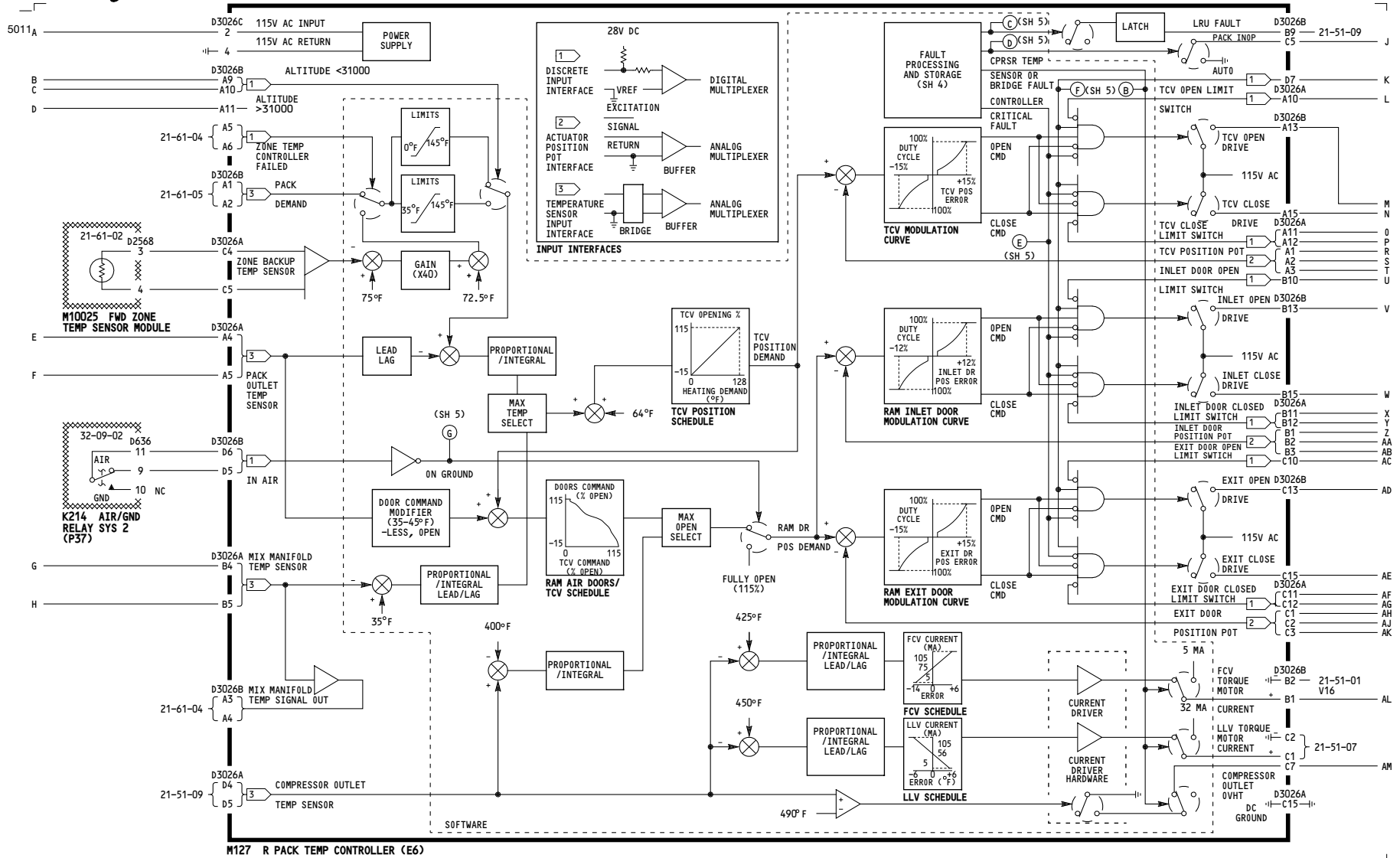


NOTES:

- CONDITIONED AIR
- COLD AIR
- COOL AIR
- WARM AIR
- HOT AIR

115-199	RIGHT PACK CONTROL - AUTO
D280N032S	

21-51-04



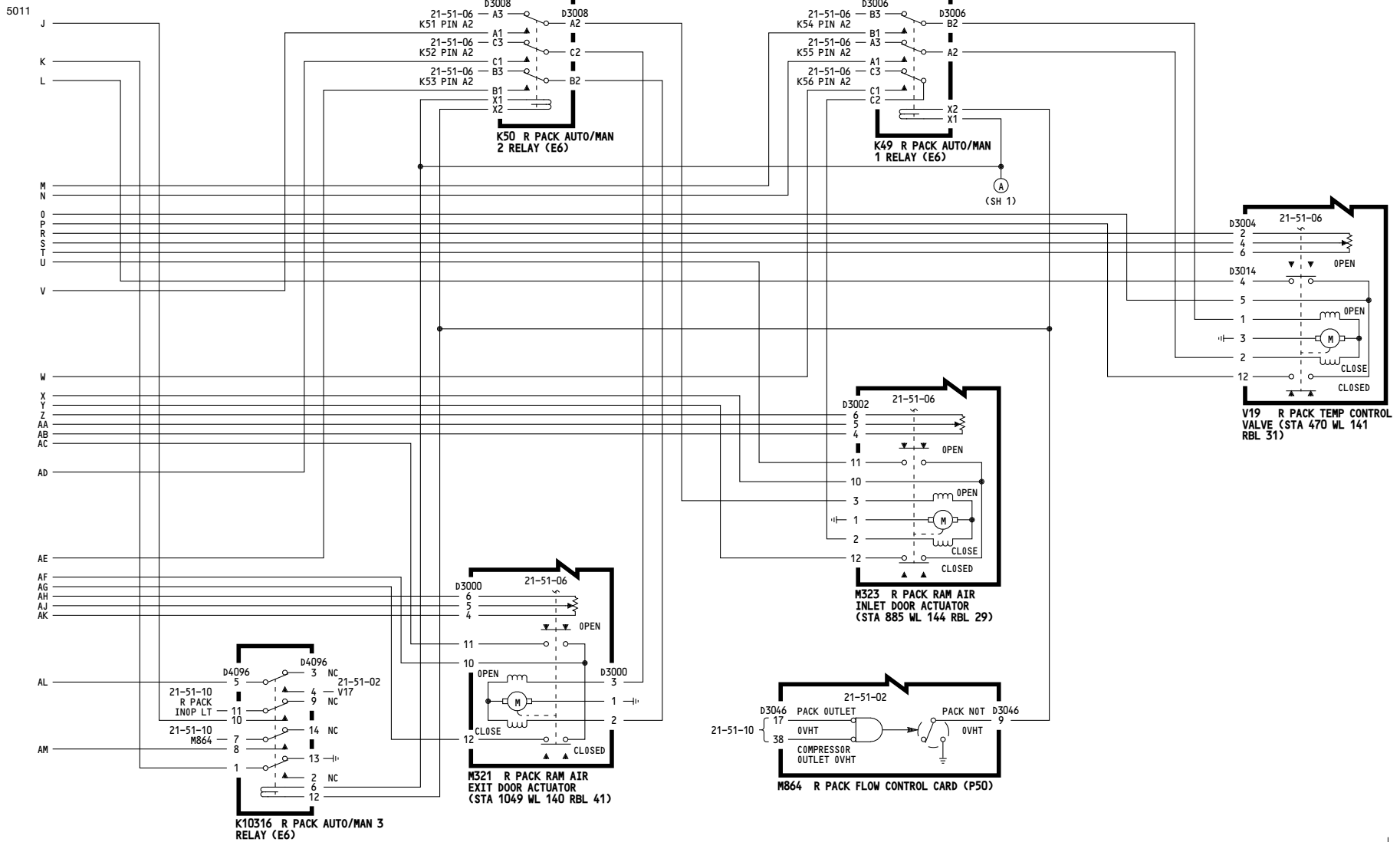
M127 R PACK TEMP CONTROLLER (E6)

115-199

RIGHT PACK CONTROL - AUTO

D280N032S

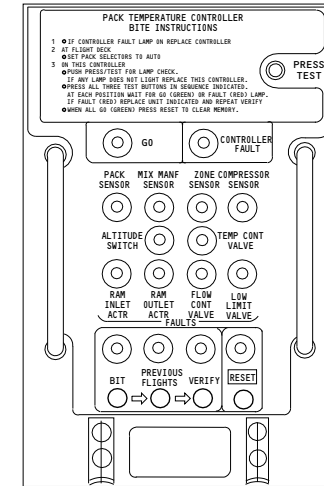
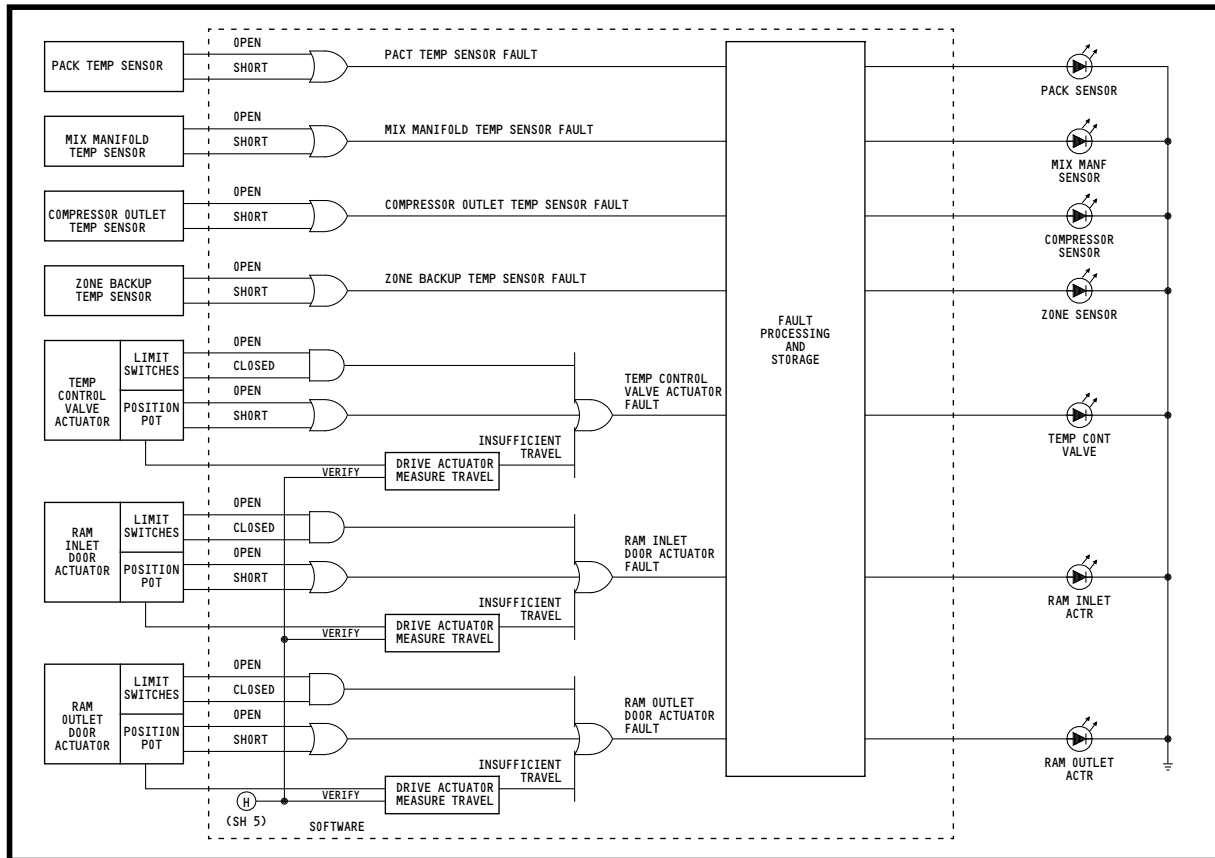
21-51-04



115-199	RIGHT PACK CONTROL - AUTO
D280N032S	

21-51-04

5011



M127 R PACK TEMP CONTROLLER (E6)

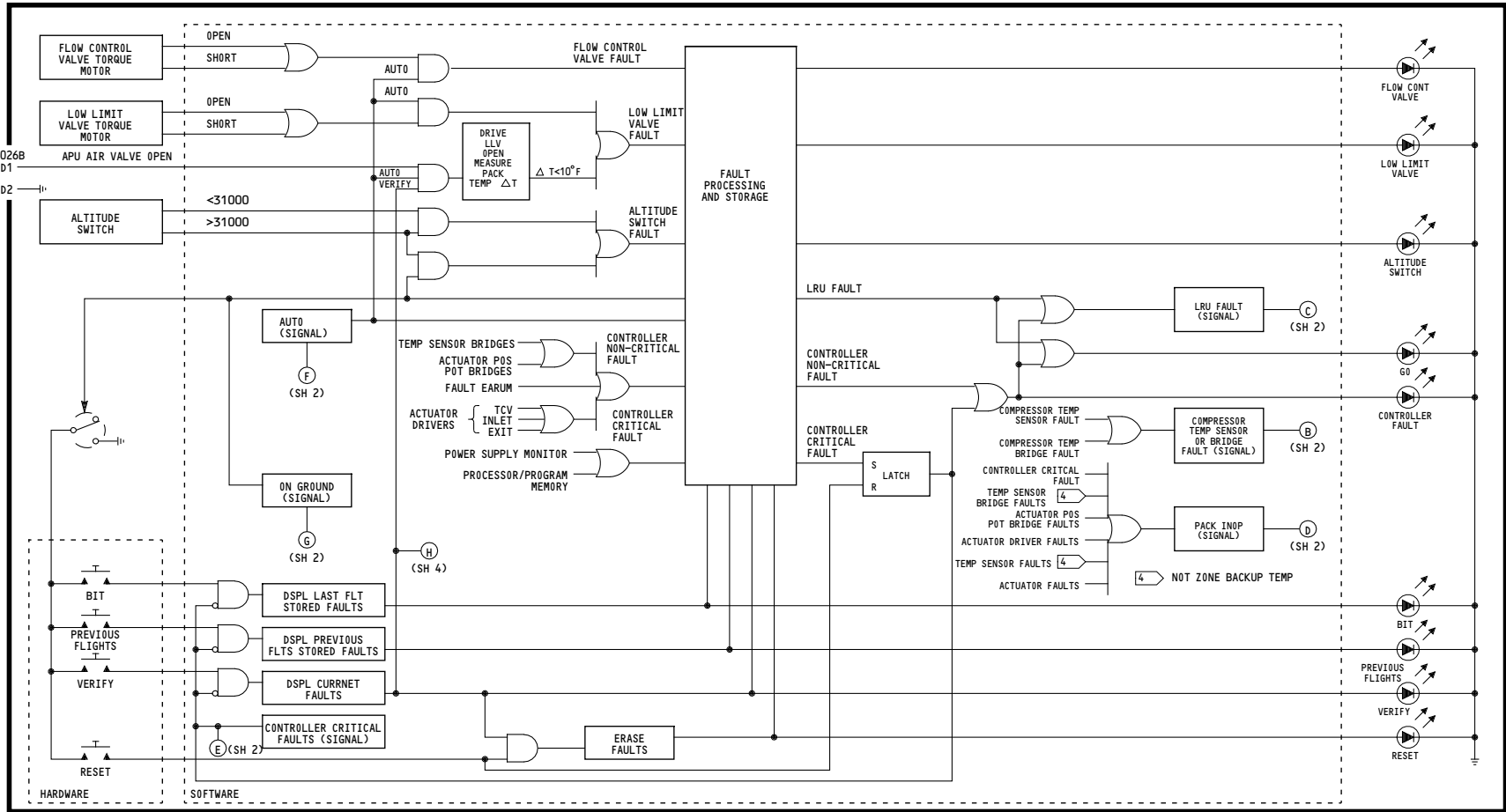
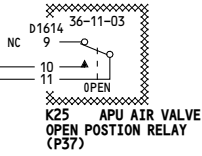
115-199	<p>RIGHT PACK CONTROL - AUTO</p> <p>D280N032S</p>
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WIRING DIAGRAMS
21-51-22
21-51-23

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M127 R PACK TEMP CONTROLLER (E6)

115-199

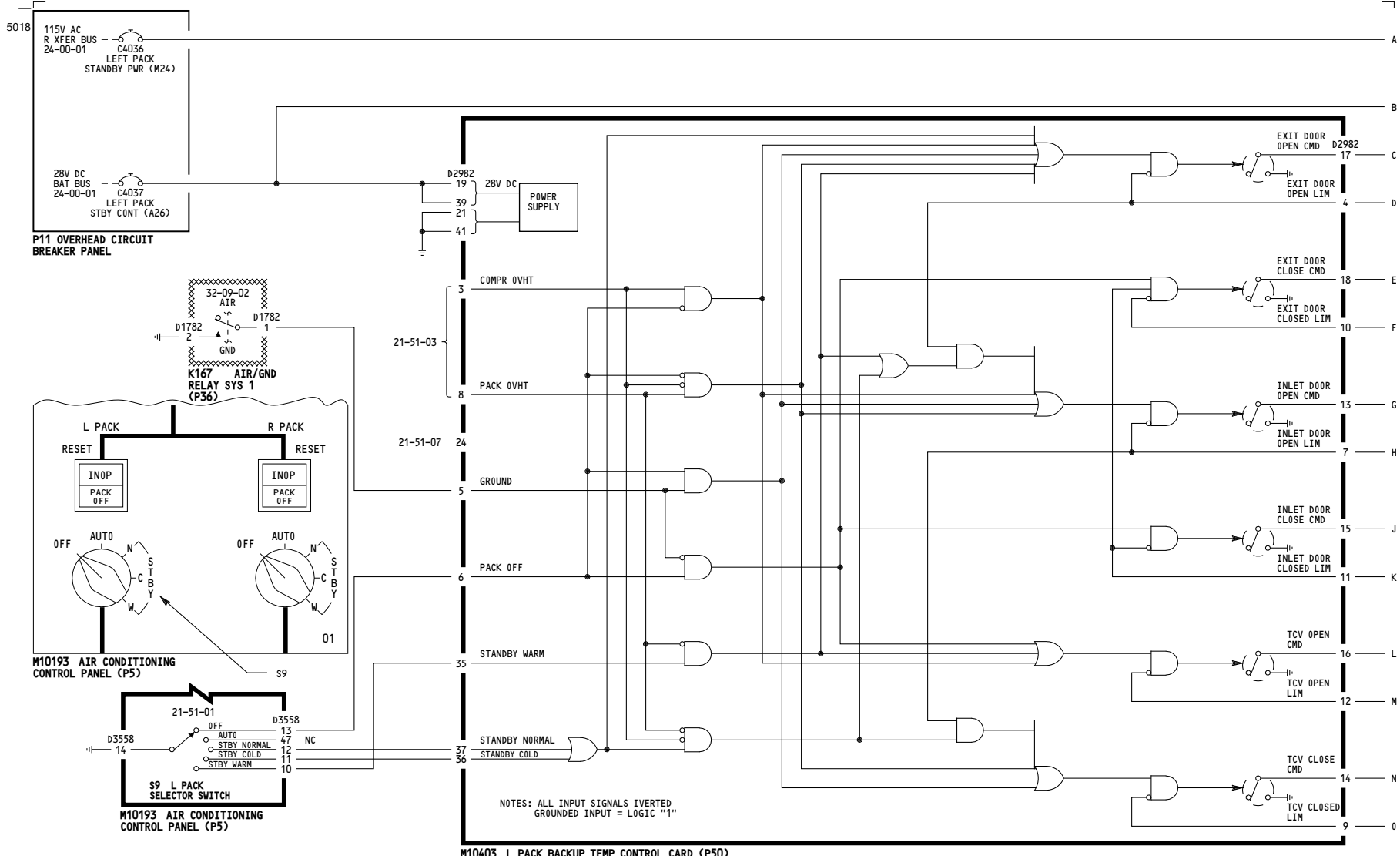
RIGHT PACK CONTROL - AUTO

D280N032S

21-51-04

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NOTES: ALL INPUT SIGNALS INVERTED
GROUNDED INPUT = LOGIC "1"

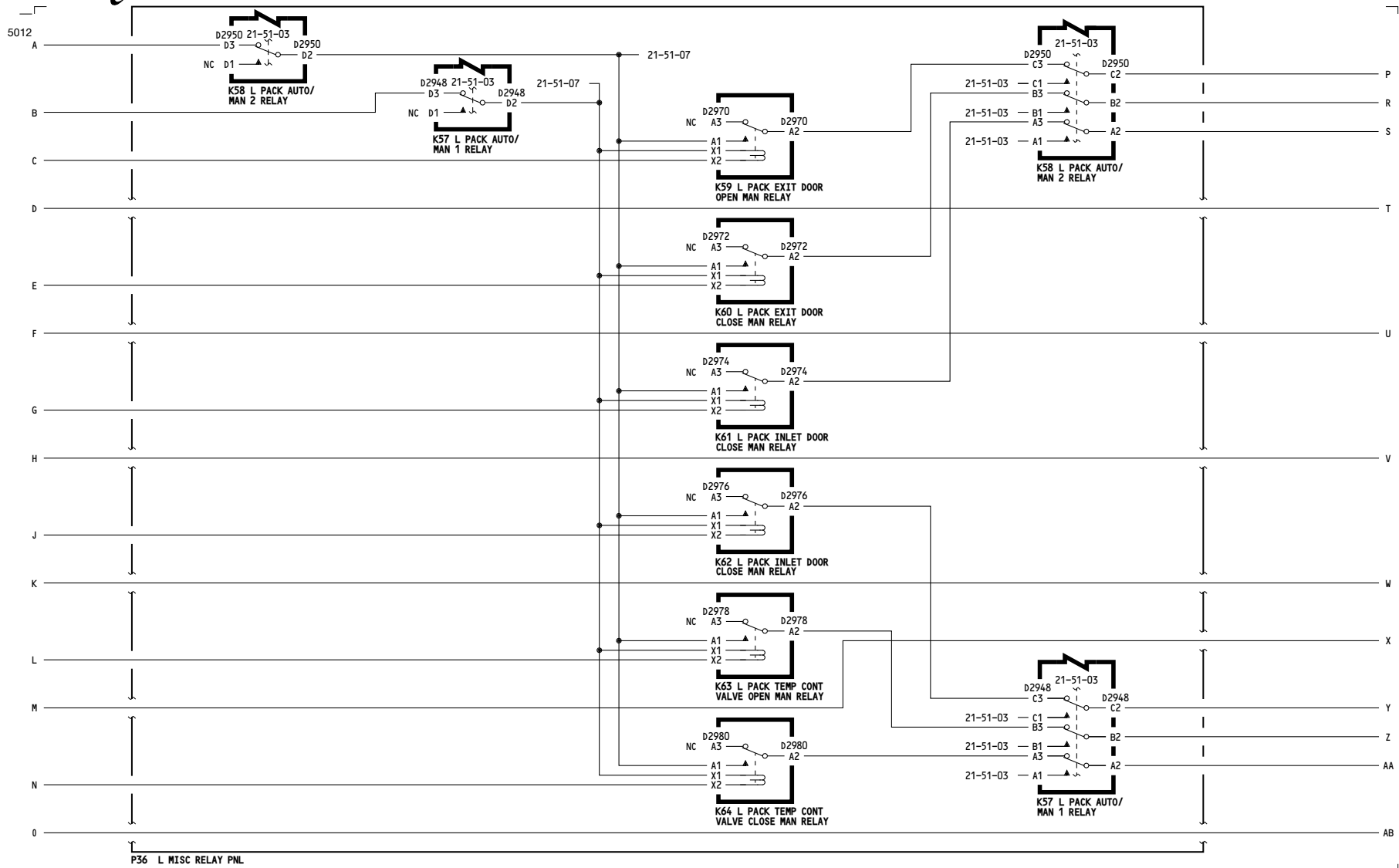
M10403 L PACK BACKUP TEMP CONTROL CARD (P50)

001-099

**LEFT PACK CONTROL -
STANDBY**

D280N032S

21-51-05

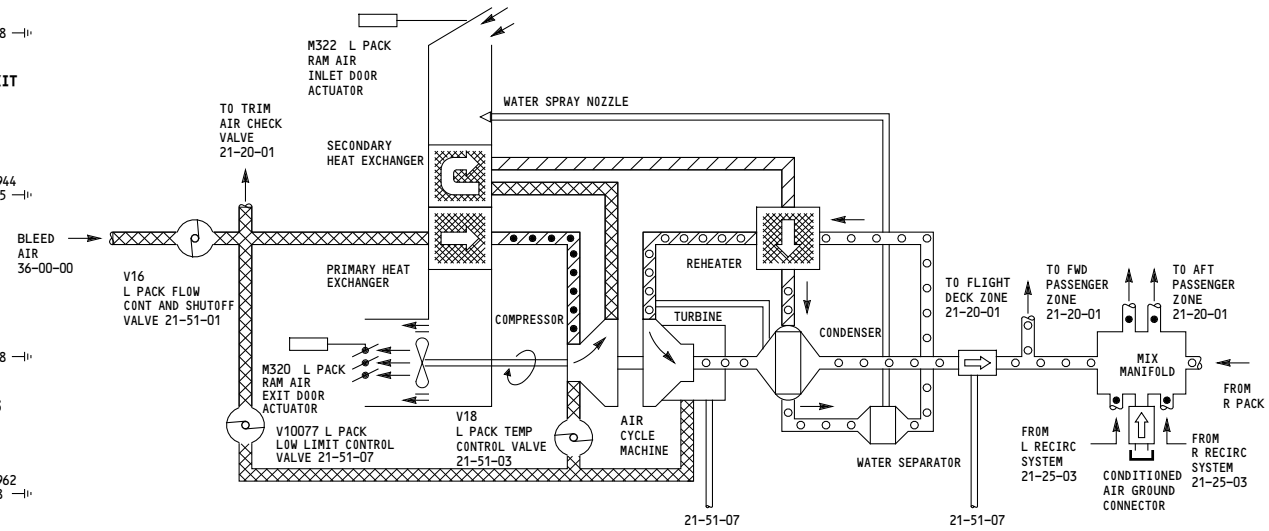
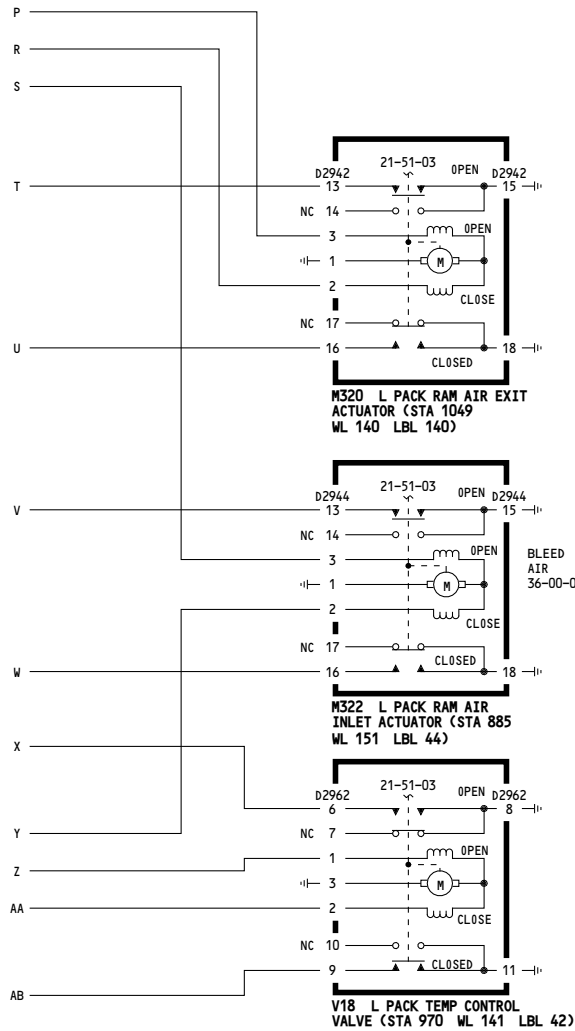


001-099	<p align="center">LEFT PACK CONTROL - STANDBY</p> <p align="center">D280N032S</p>
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21-51-05

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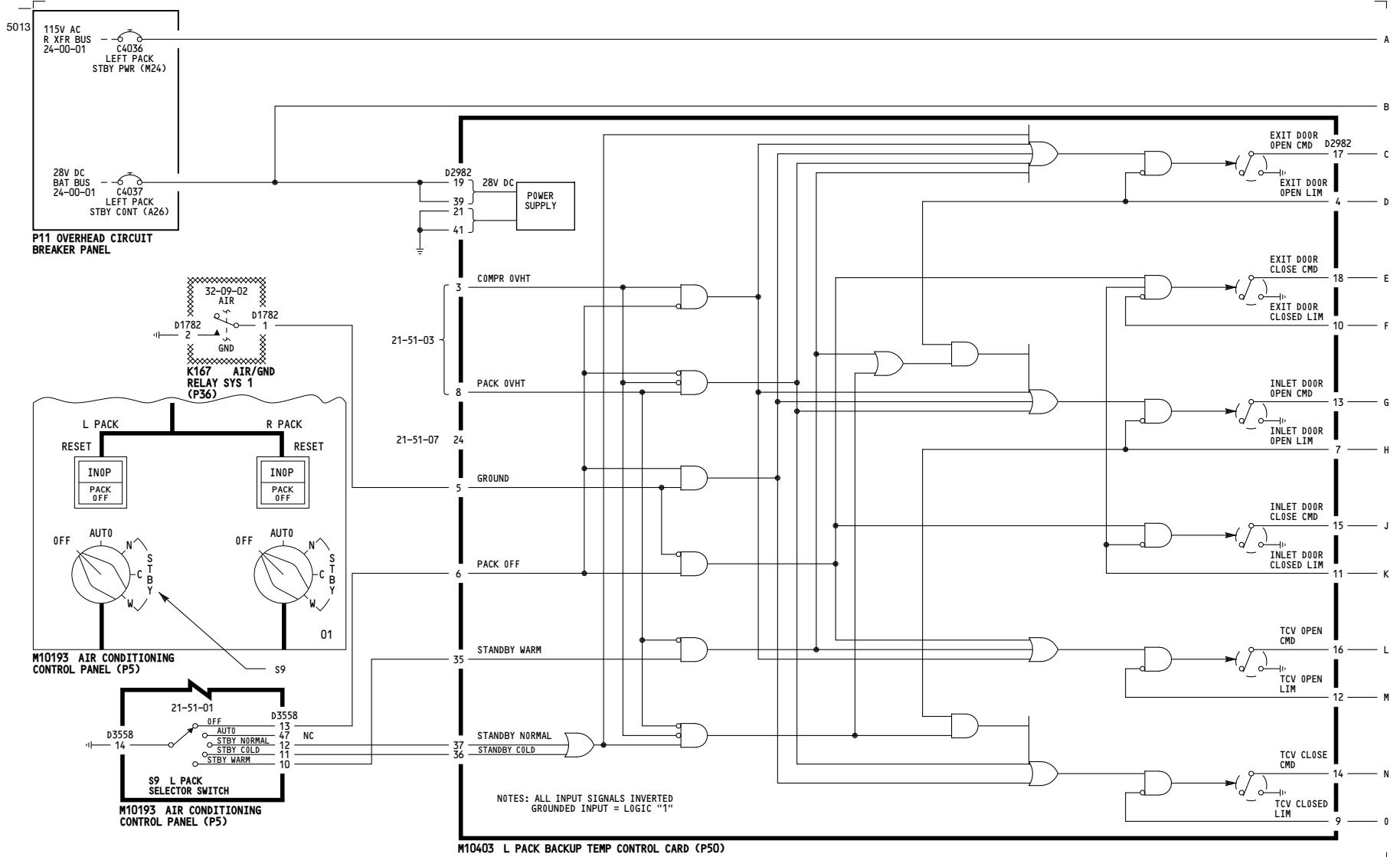
5011



001-099	LEFT PACK CONTROL - STANDBY
D280N032S	

21-51-05

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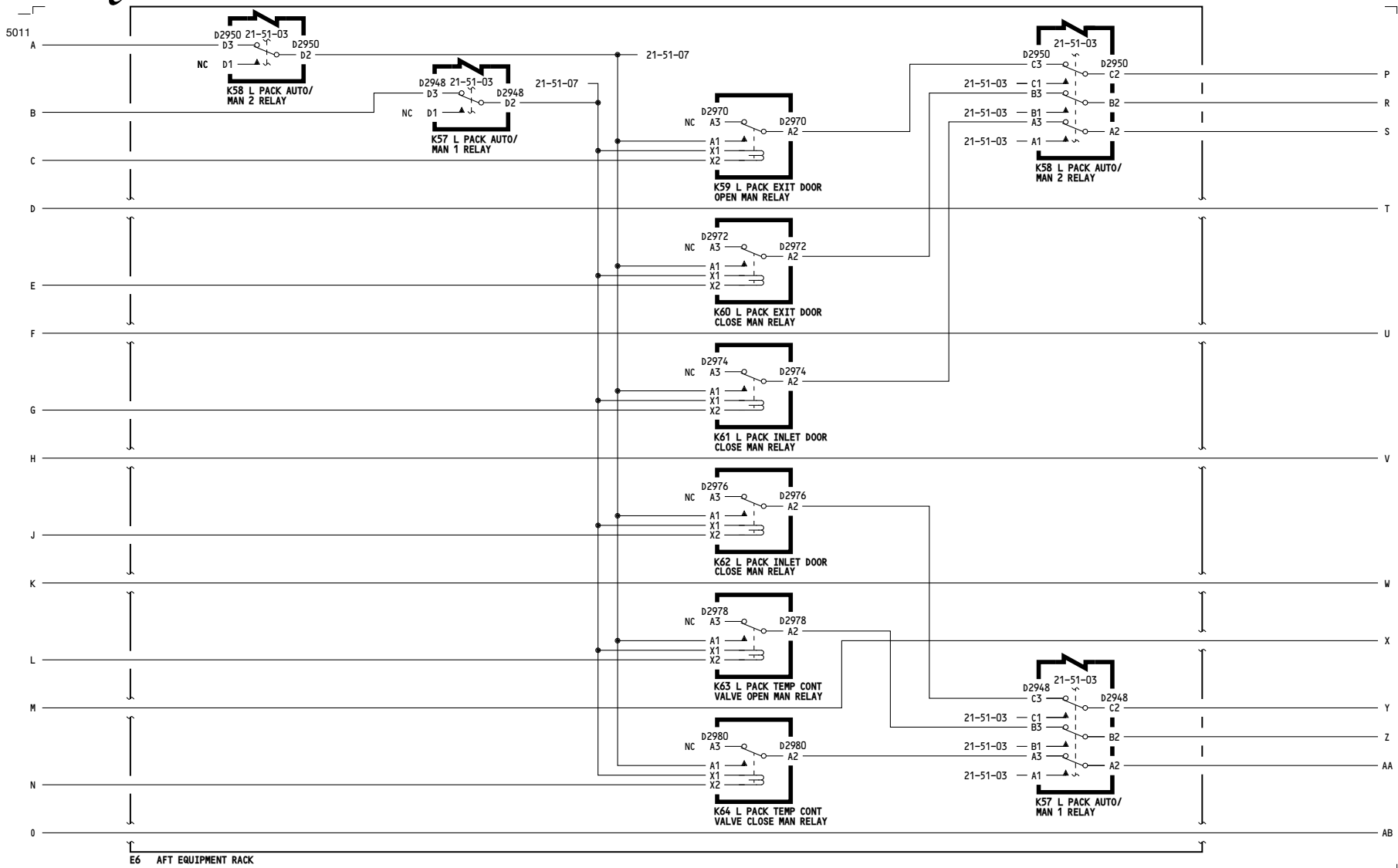


115-199

**LEFT PACK CONTROL -
STANDBY**

D280N032S

21-51-05



115-199

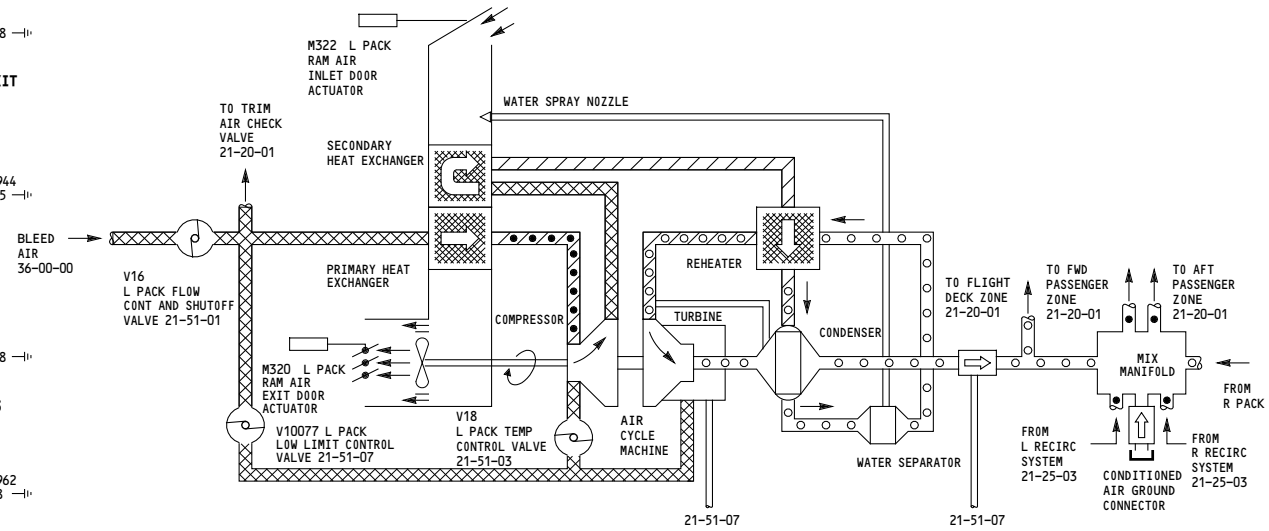
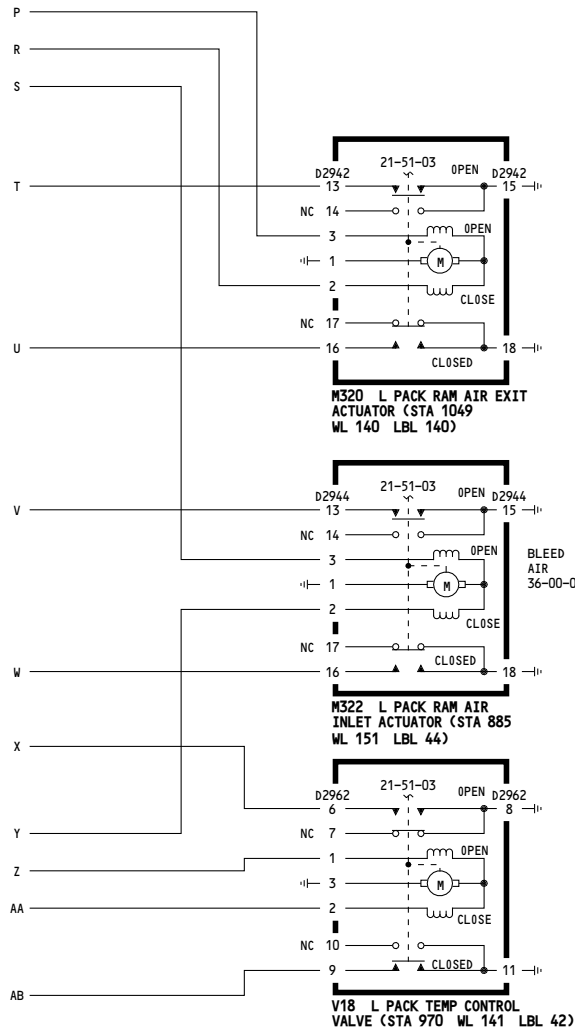
**LEFT PACK CONTROL -
STANDBY**

D280N032S

21-51-05

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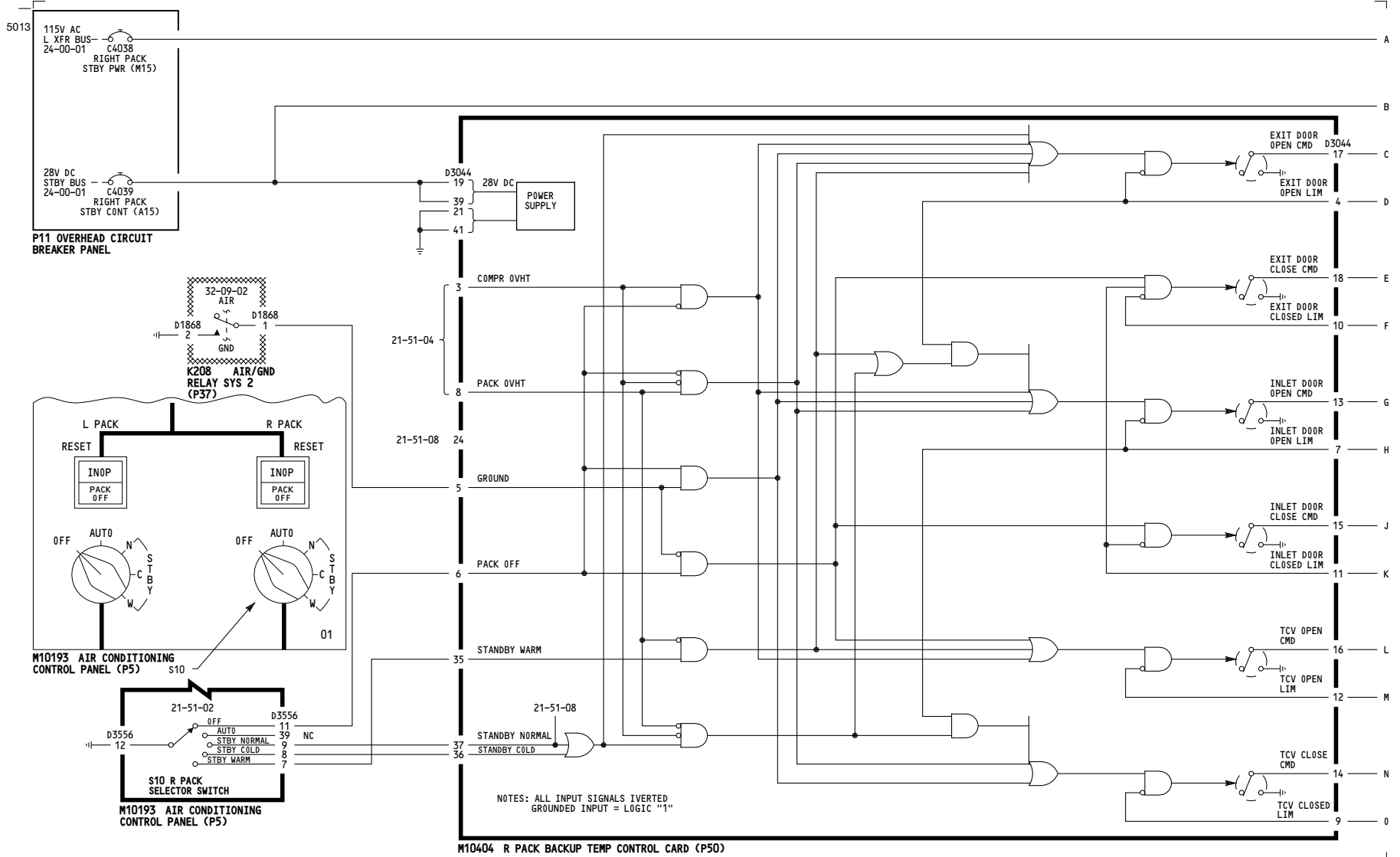
5011



115-199	<p>LEFT PACK CONTROL - STANDBY</p> <p>D280N032S</p>
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21-51-05

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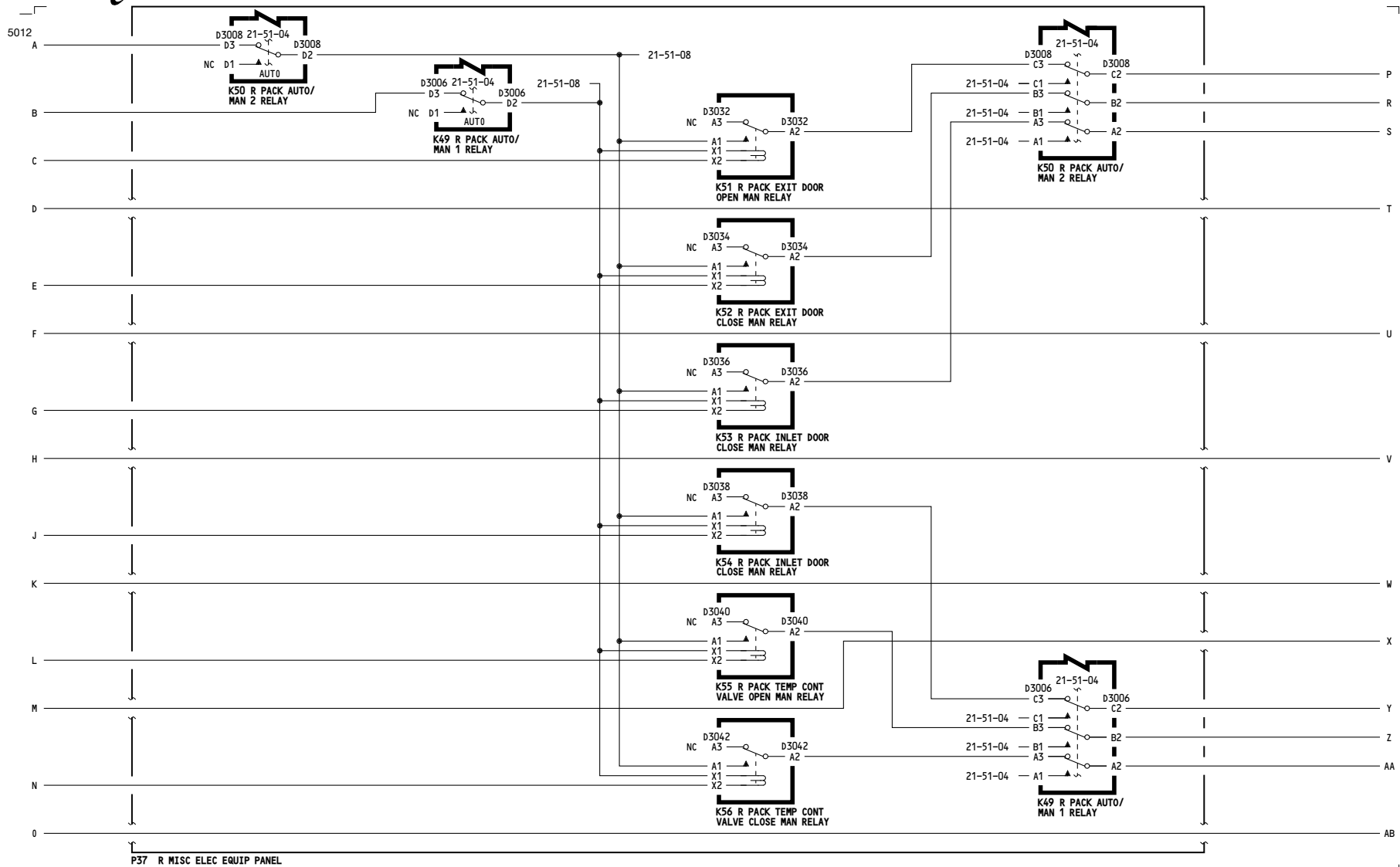


001-099

**RIGHT PACK CONTROL -
STANDBY**

D280N032S

21-51-06



001-099

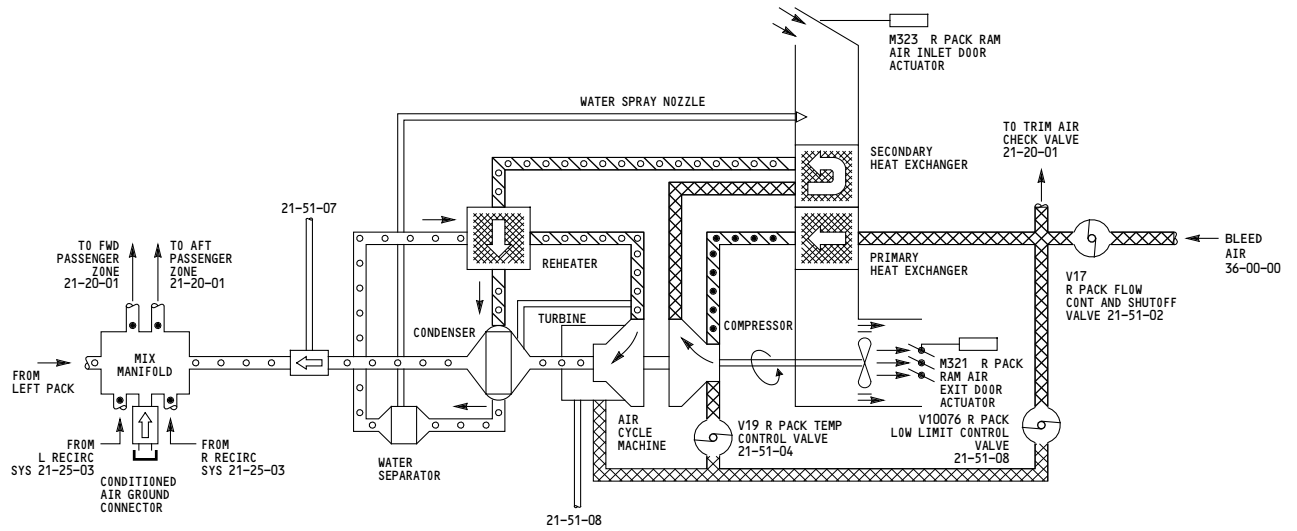
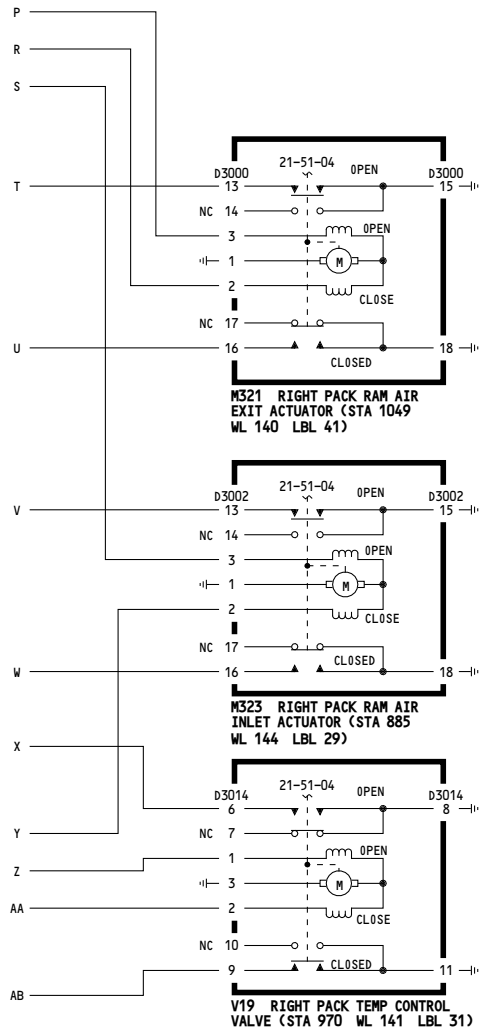
**RIGHT PACK CONTROL -
STANDBY**

D280N032S

21-51-06

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001-099

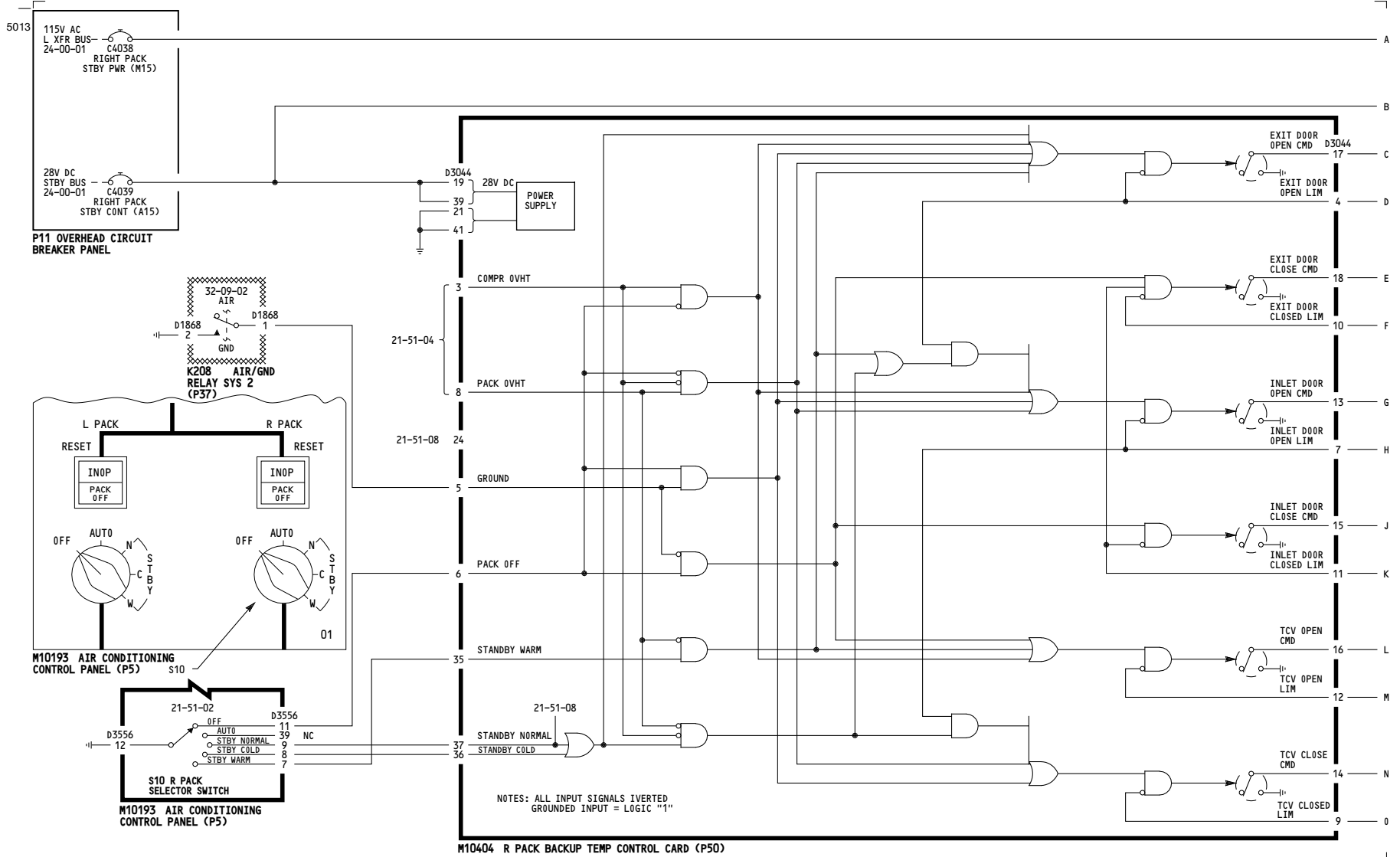
RIGHT PACK CONTROL - STANDBY

D280N032S

21-51-06

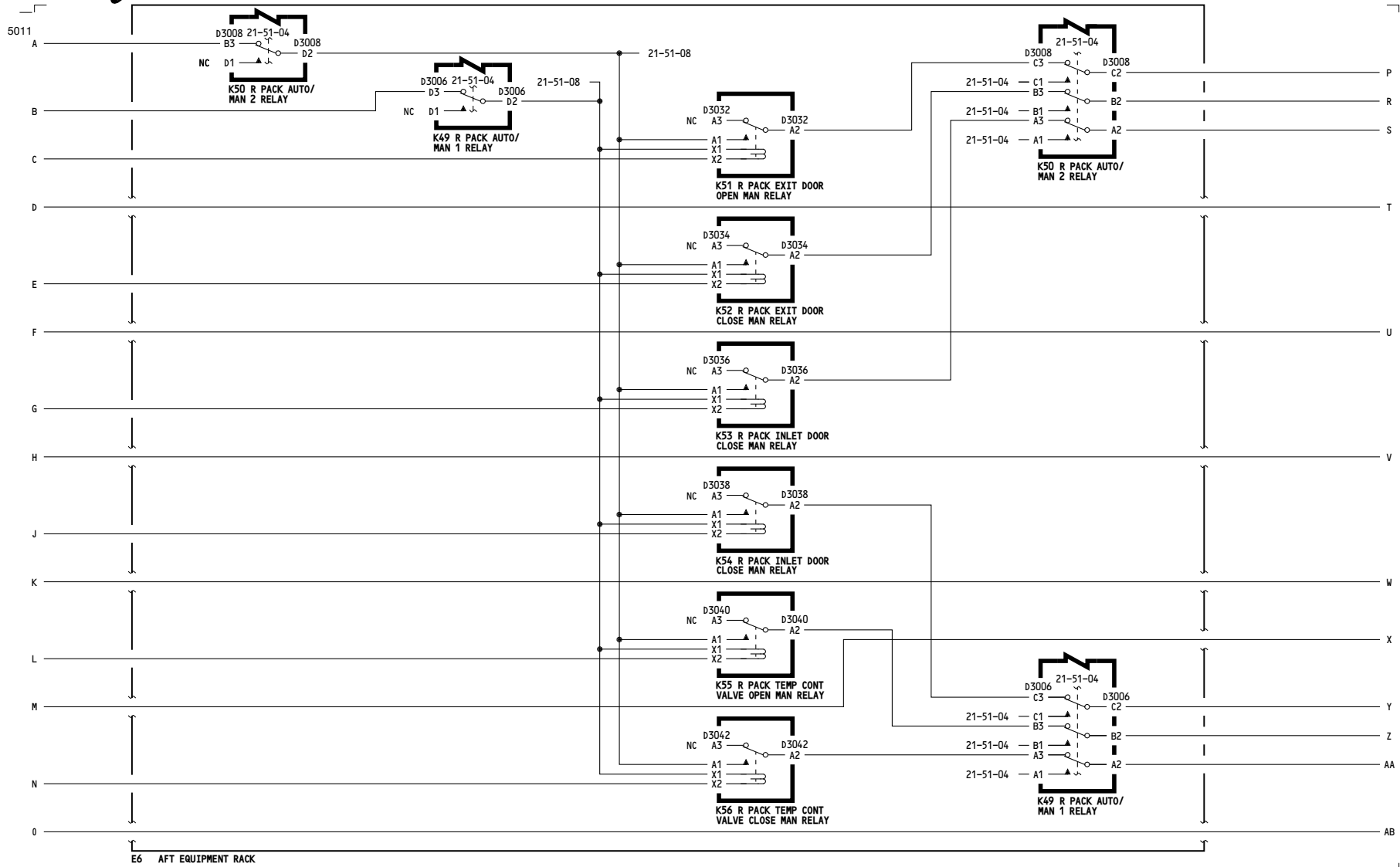
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115-199	RIGHT PACK CONTROL - STANDBY
D280N032S	

21-51-06



115-199

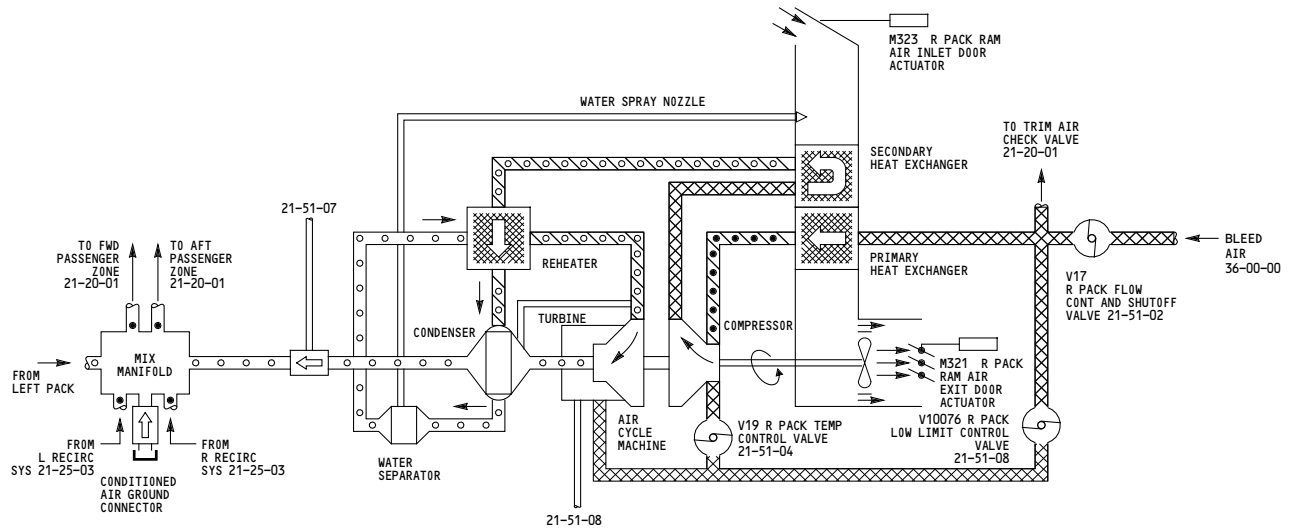
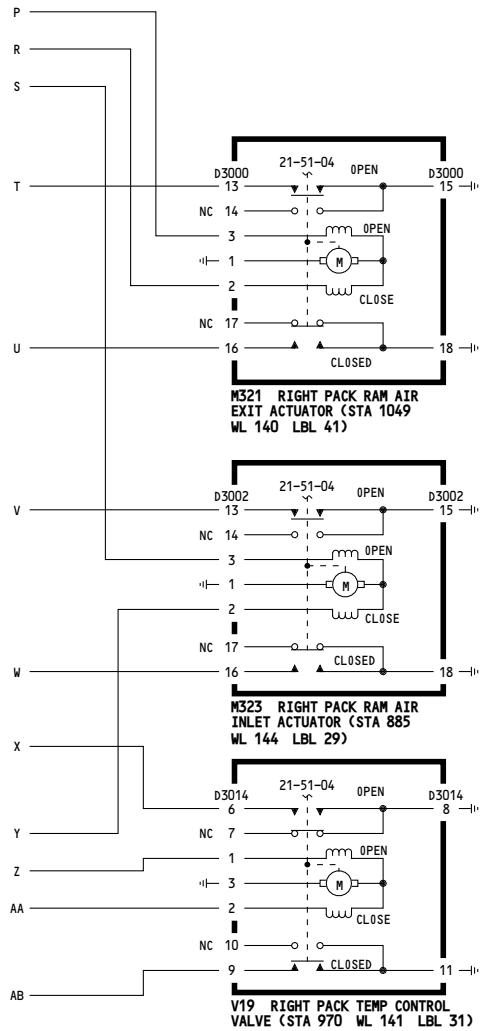
**RIGHT PACK CONTROL -
STANDBY**

D280N032S

21-51-06

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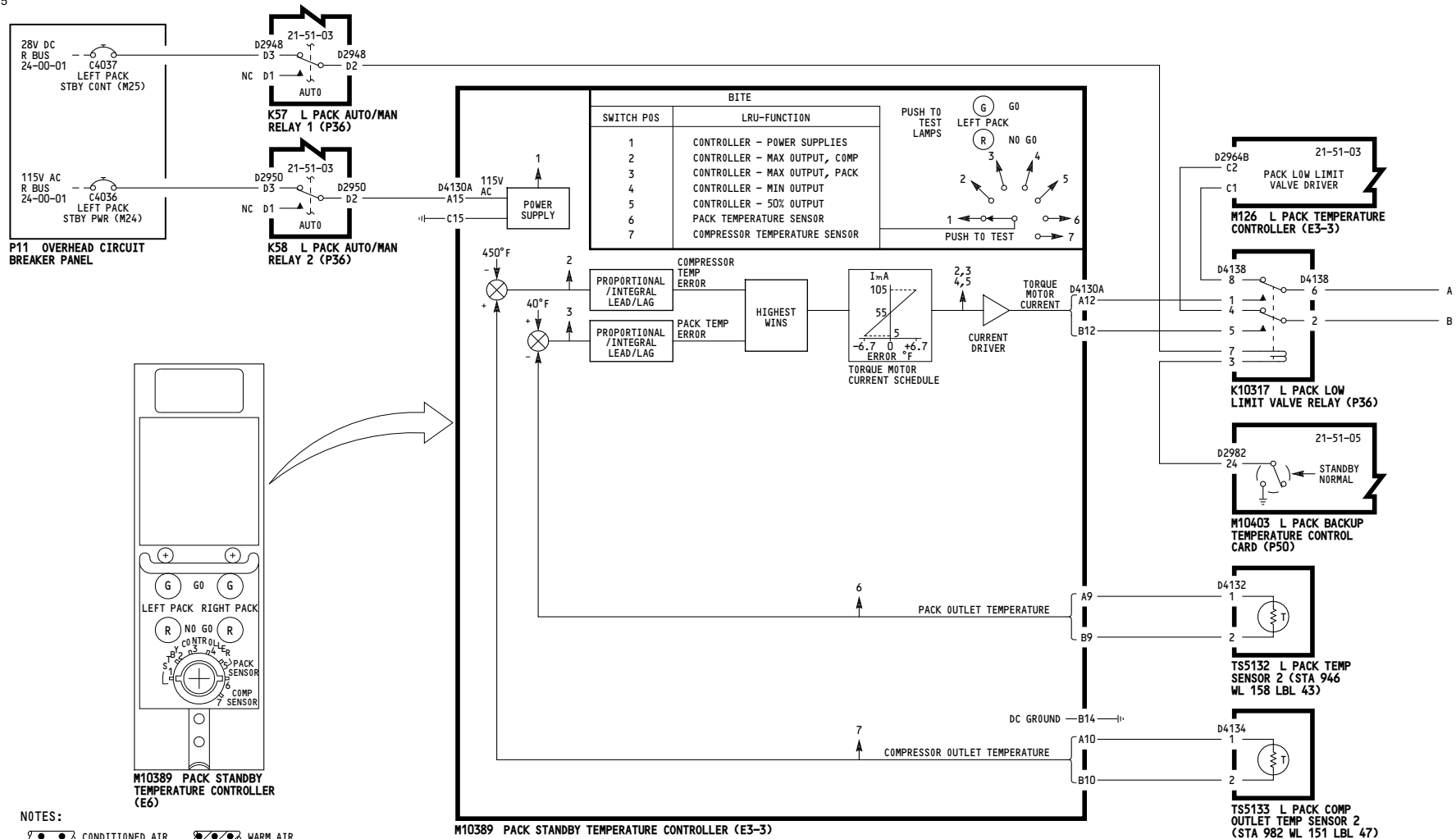


115-199	<p align="center">RIGHT PACK CONTROL - STANDBY</p> <p align="center">D280N032S</p>
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21-51-06

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5015

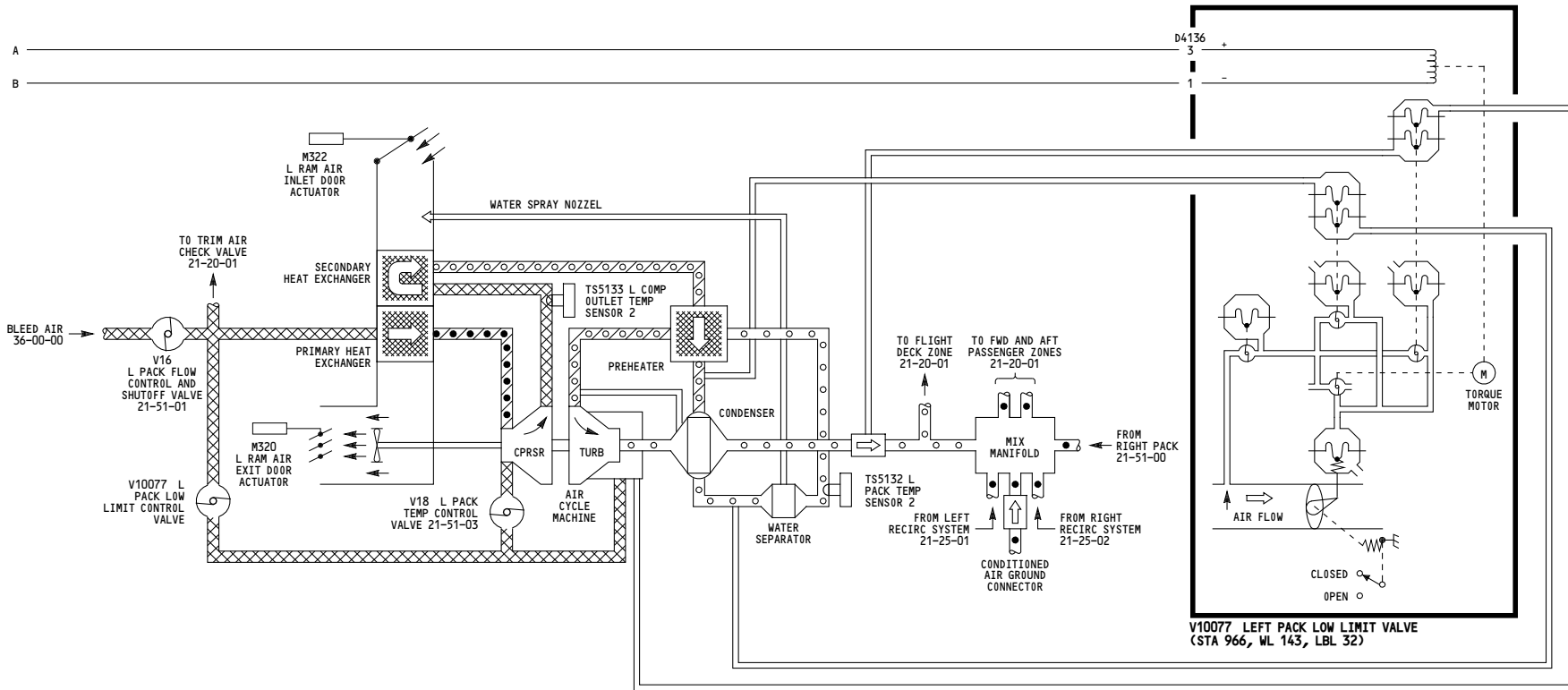


001-099

LEFT PACK LOW LIMIT VALVE CONTROL

D280N032S

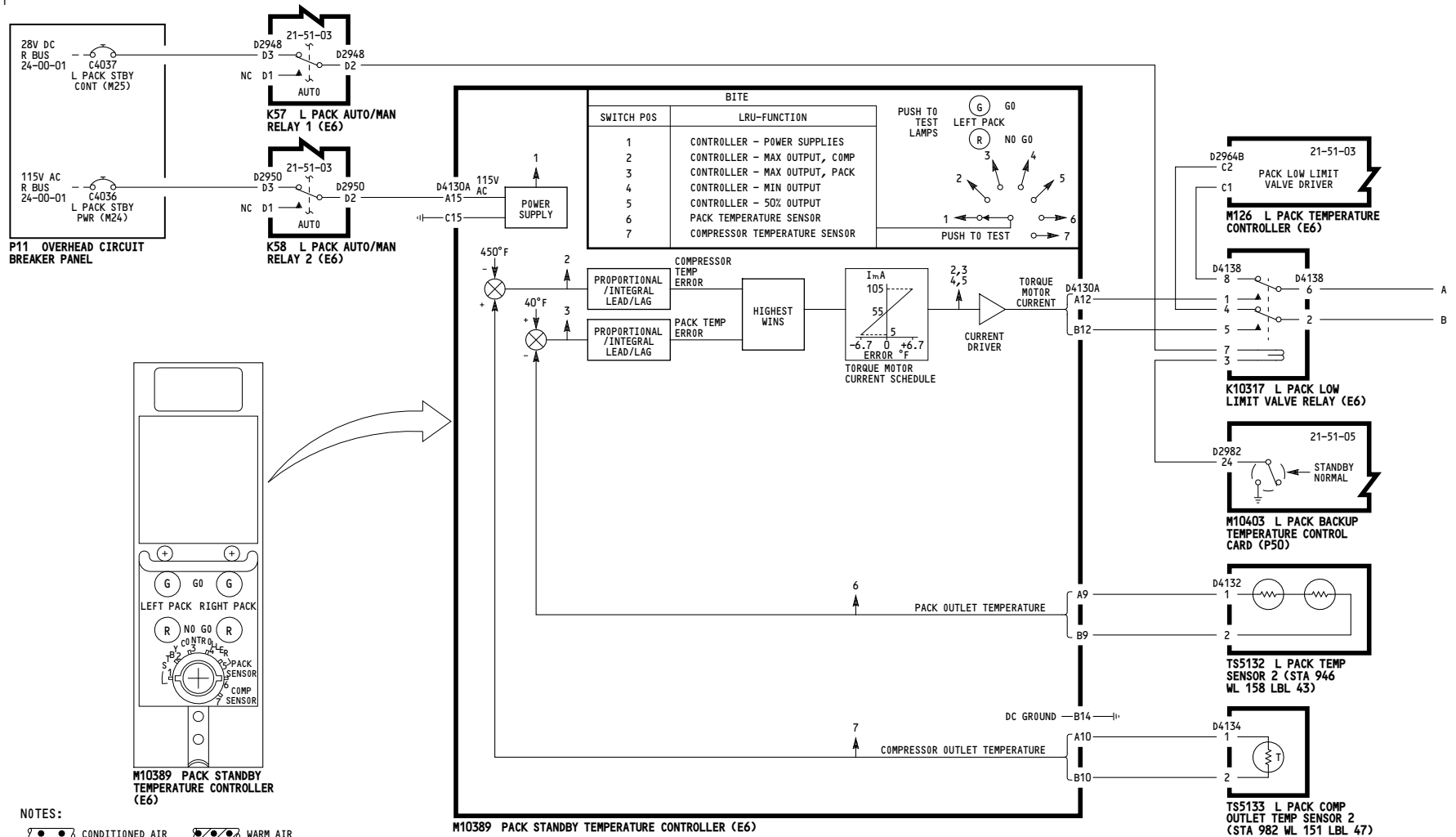
21-51-07



001-099	<p align="center">LEFT PACK LOW LIMIT VALVE CONTROL</p> <p align="center">D280N032S</p>
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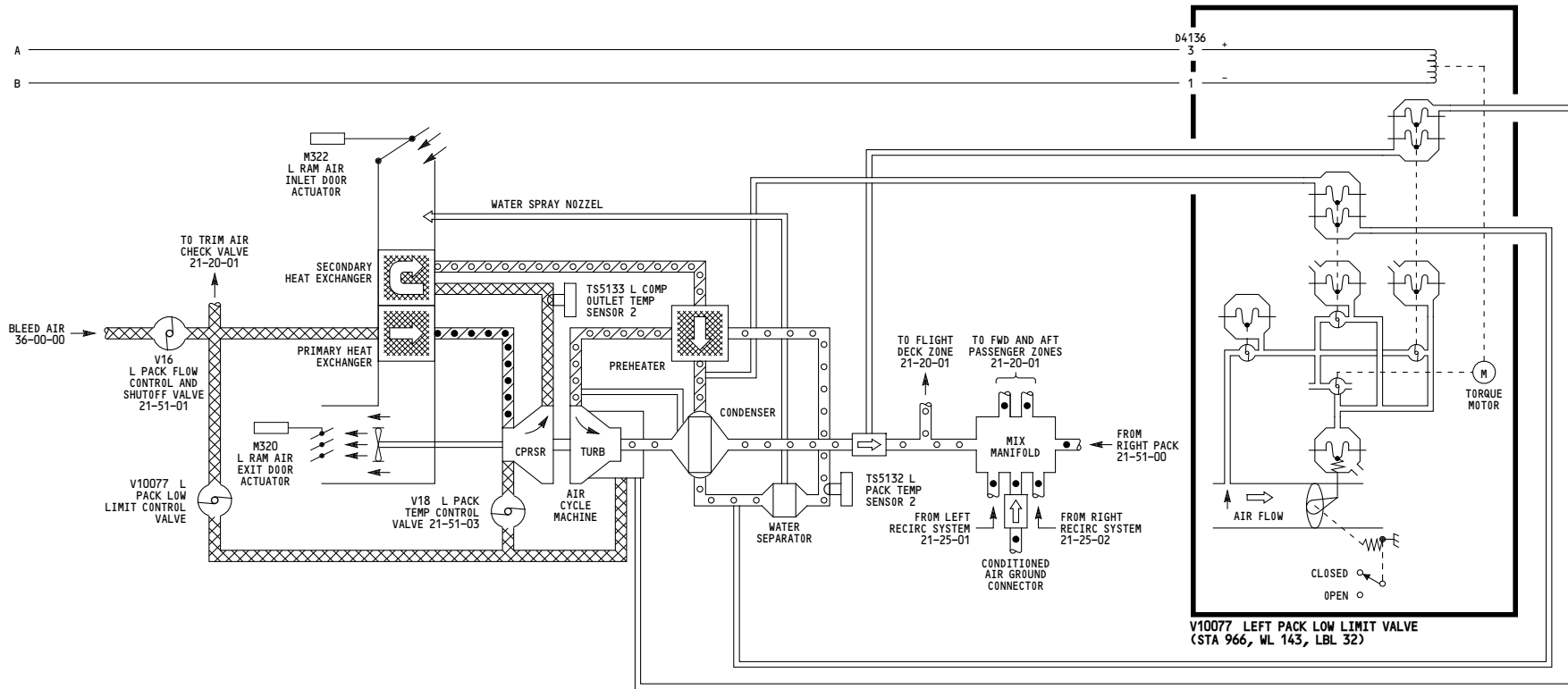
21-51-07

5011



115-199	<p>LEFT PACK LOW LIMIT VALVE CONTROL</p> <p>D280N032S</p>
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21-51-07



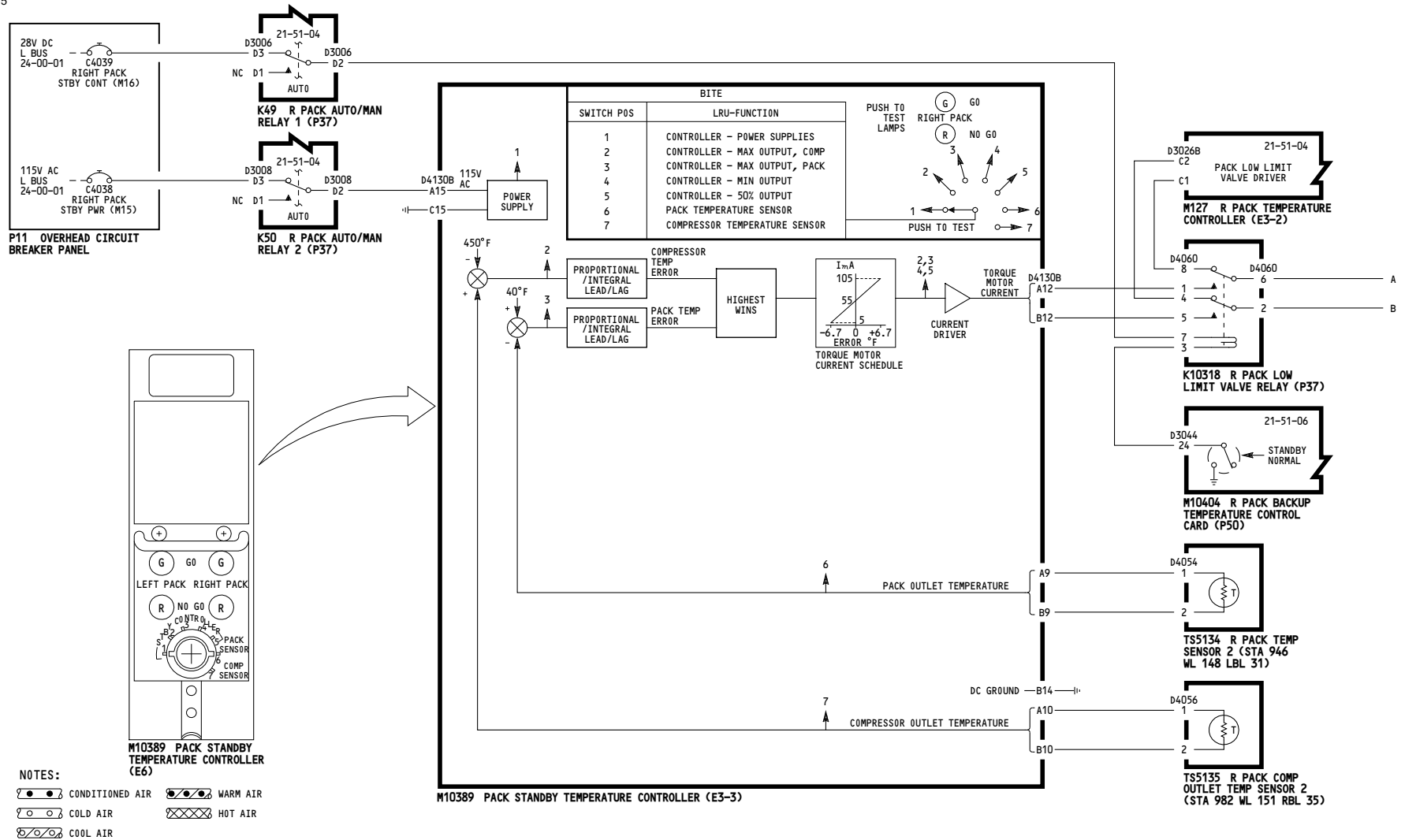
115-199

LEFT PACK LOW LIMIT VALVE CONTROL

D280N032S

21-51-07

5015

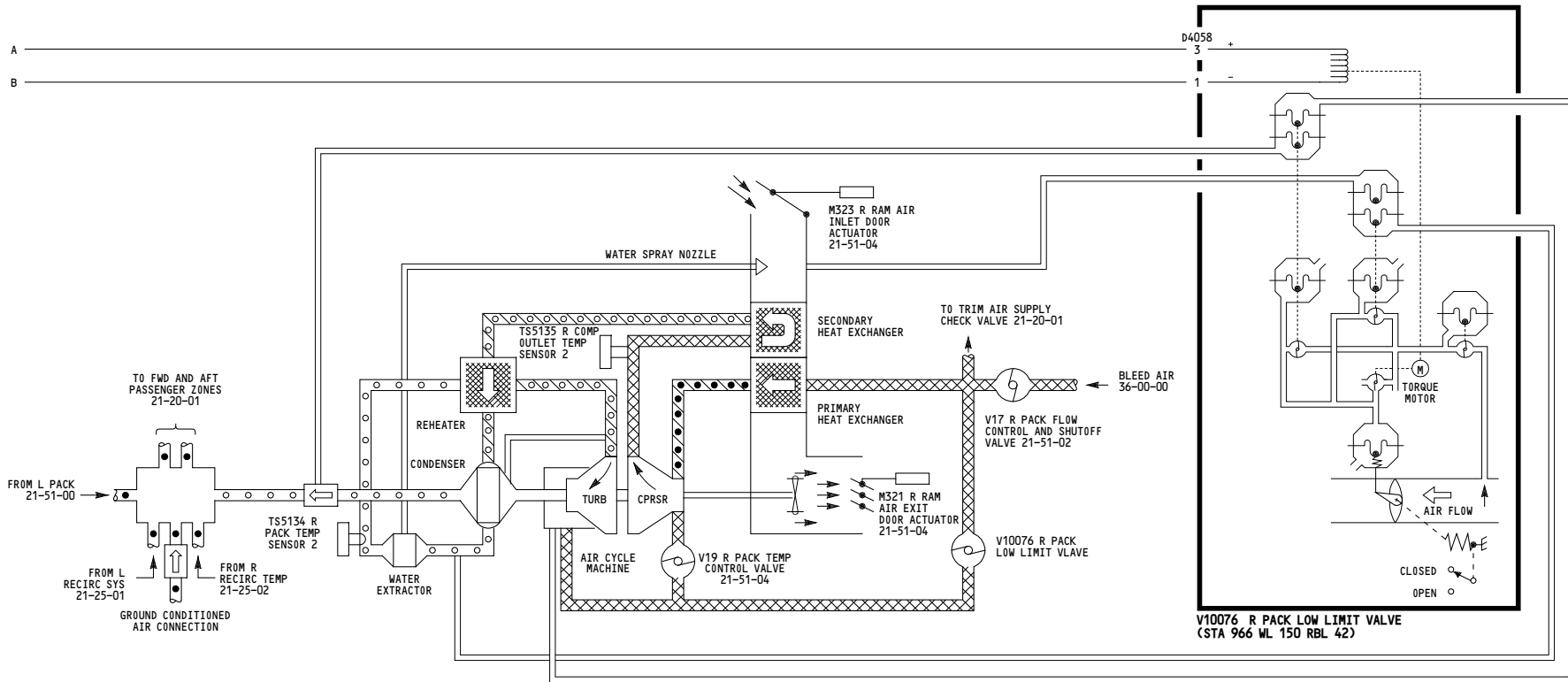


001-099

RIGHT PACK LOW LIMIT VALVE CONTROL

D280N032S

21-51-08

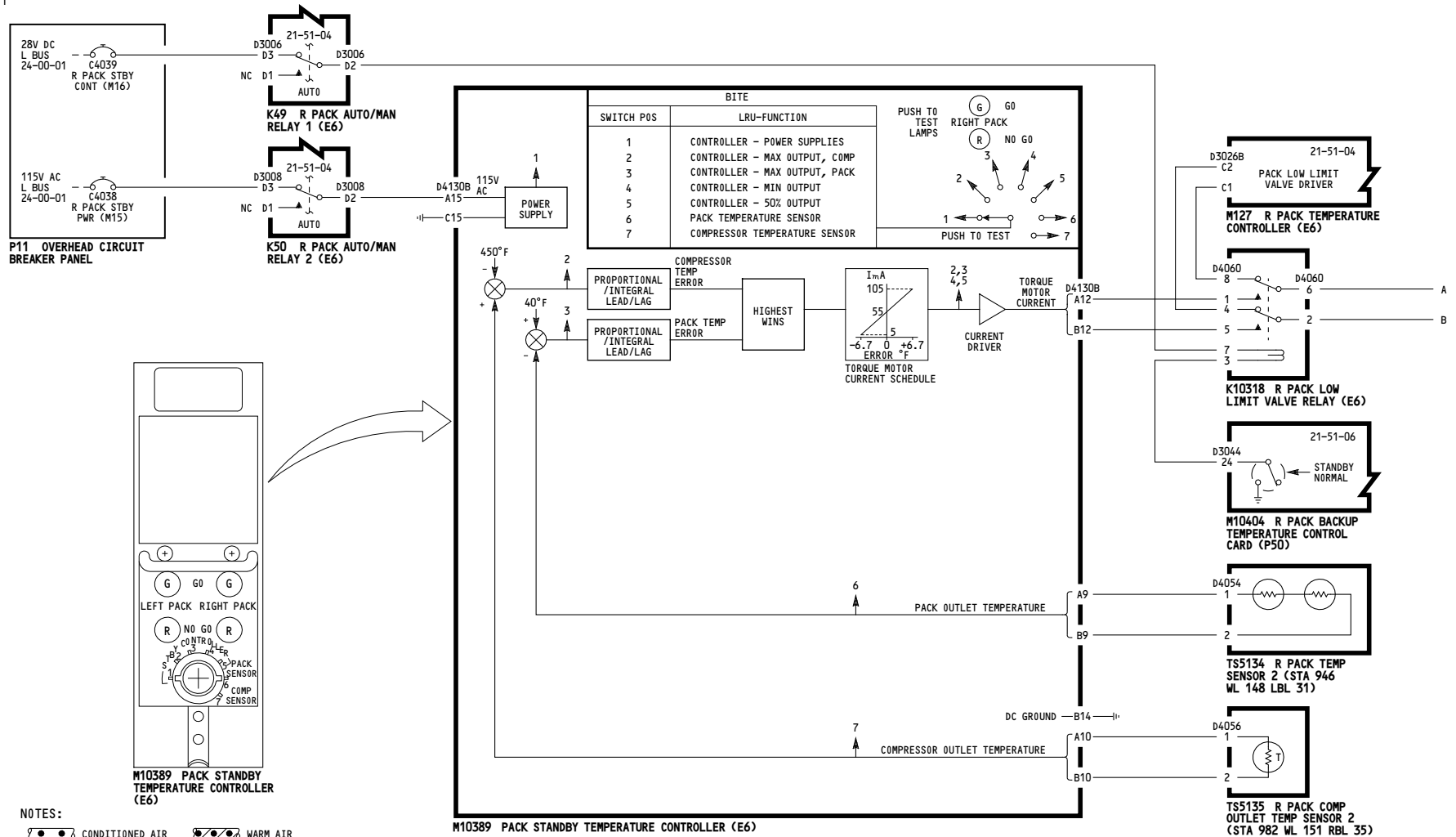


V10076 R PACK LOW LIMIT VALVE
(STA 966 WL 150 RBL 42)

001-099	<p align="center">RIGHT PACK LOW LIMIT VALVE CONTROL</p> <p align="center">D280N032S</p>
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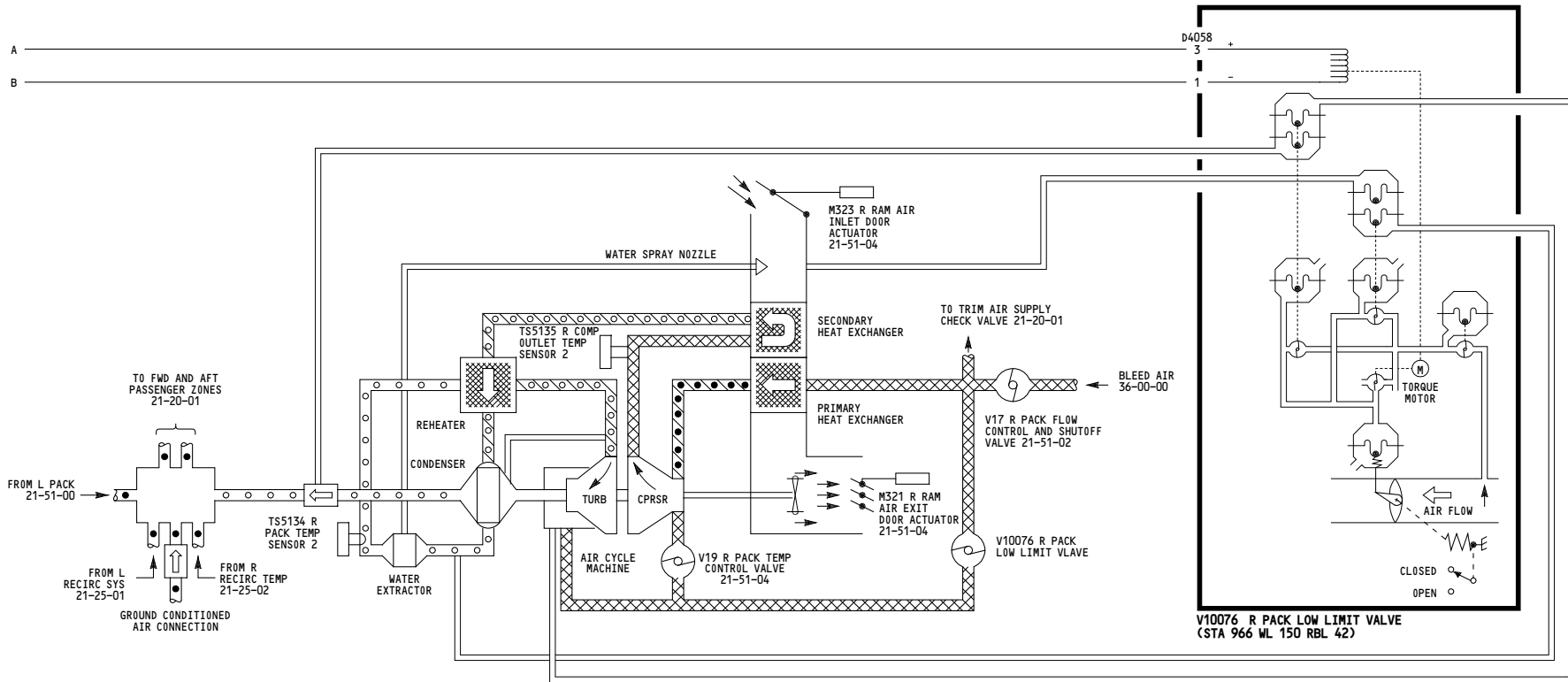
21-51-08

5011



115-199	RIGHT PACK LOW LIMIT VALVE CONTROL
	D280N032S

21-51-08

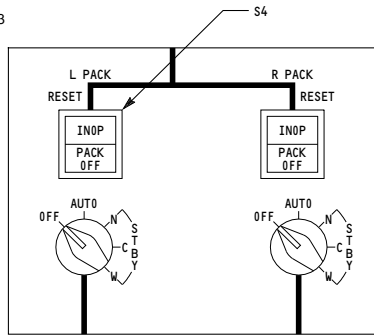


115-199	<p align="center">RIGHT PACK LOW LIMIT VALVE CONTROL</p> <p align="center">D280N032S</p>
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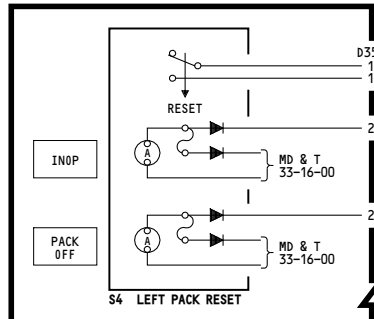
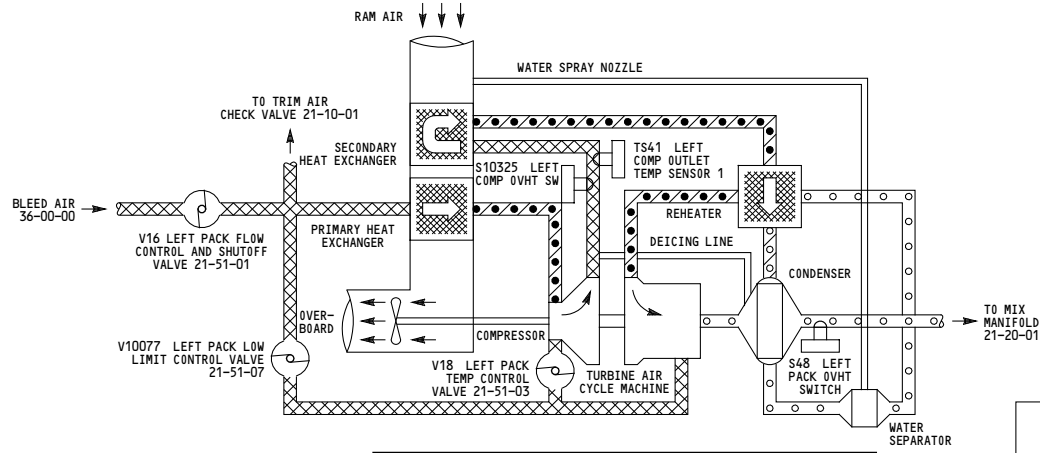
21-51-08

5013

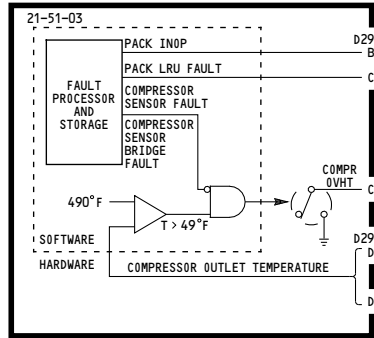
WIRING DIAGRAMS
21-51-15



M10193 AIR CONDITIONING CONTROL PANEL (P5)

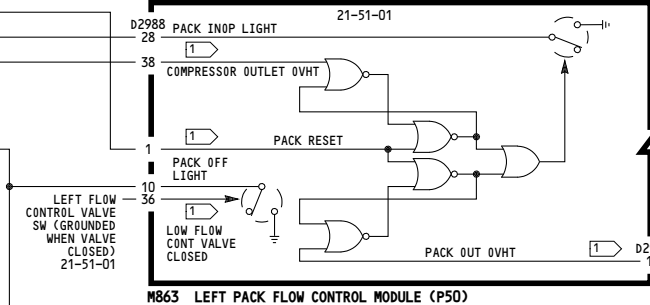


M10193 YNR AIR CONDITIONING CONTROL PANEL (P5)

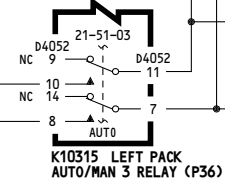


M126 LEFT PACK TEMPERATURE CONTROLLER (E3-3)

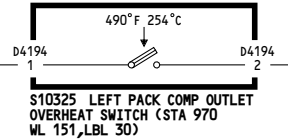
NOTES:
 [Symbol] INPUT INVERTED - GROUNDED INPUT = LOGIC "1"
 [Symbol] COOL AIR [Symbol] WARM AIR
 [Symbol] COLD AIR [Symbol] HOT AIR



M863 LEFT PACK FLOW CONTROL MODULE (P50)



K10315 LEFT PACK AUTO/MAN 3 RELAY (P36)

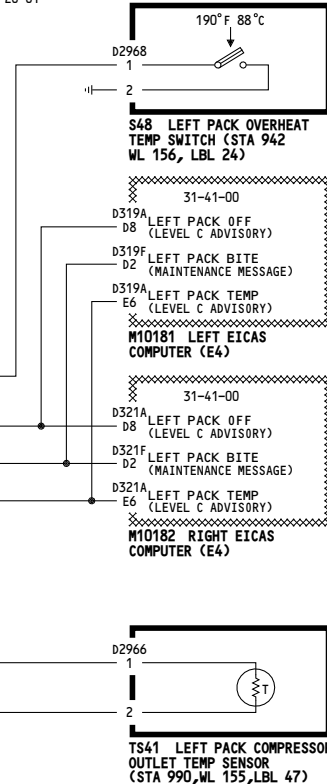


S10325 LEFT PACK COMP OUTLET OVERHEAT SWITCH (STA 970 WL 151,LBL 30)

001-099

LEFT PACK PROTECTION

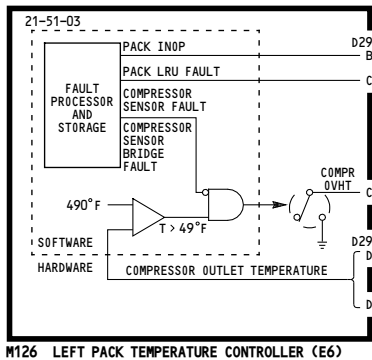
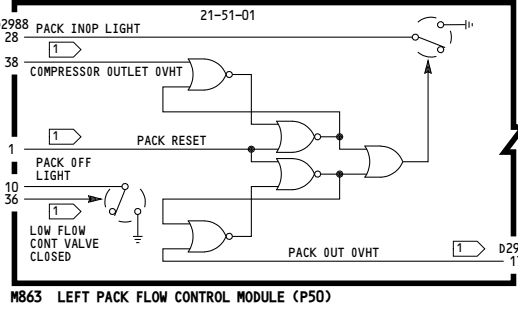
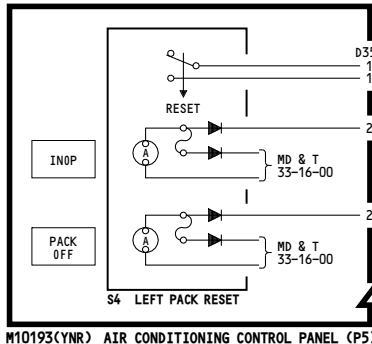
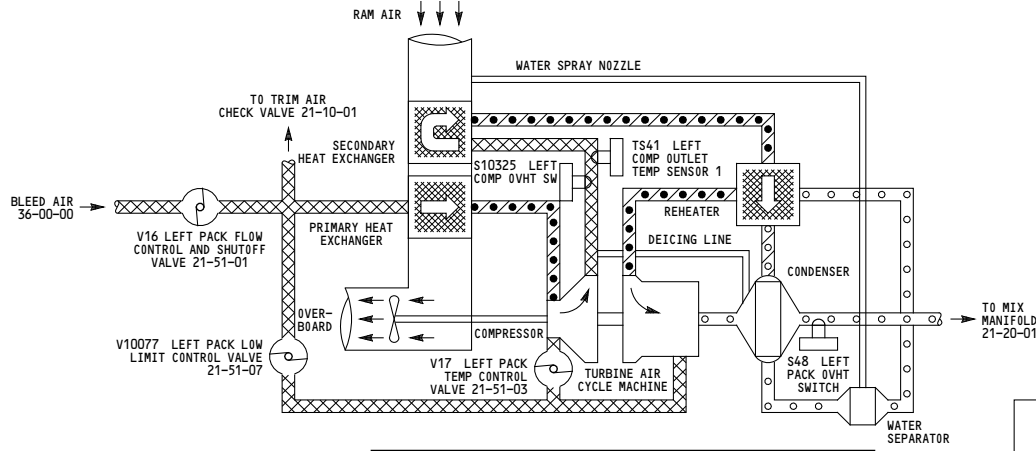
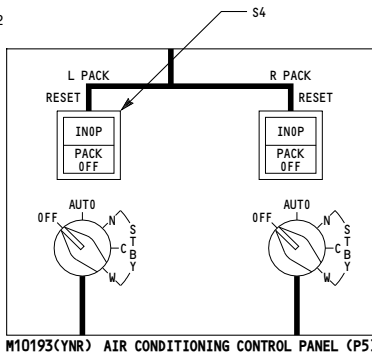
D280N032S



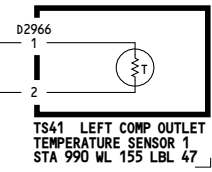
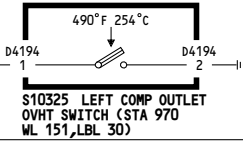
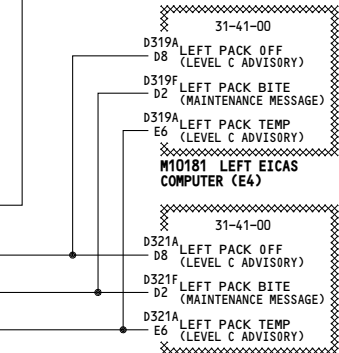
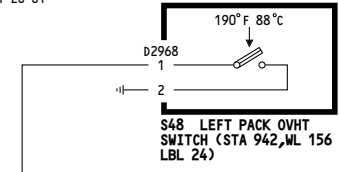
21-51-09

5012

WIRING DIAGRAMS
21-51-15



NOTES:
 1 INPUT INVERTED - GROUNDED
 INPUT = LOGIC "1"
 COOL AIR
 WARM AIR
 COLD AIR
 HOT AIR



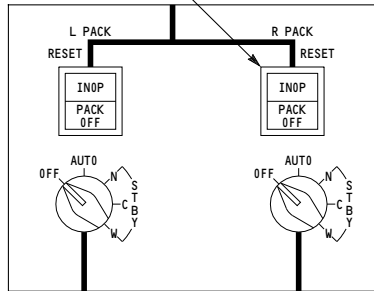
115-199

LEFT PACK PROTECTION

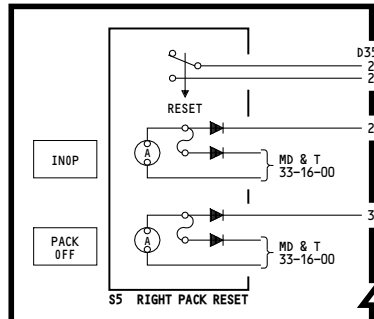
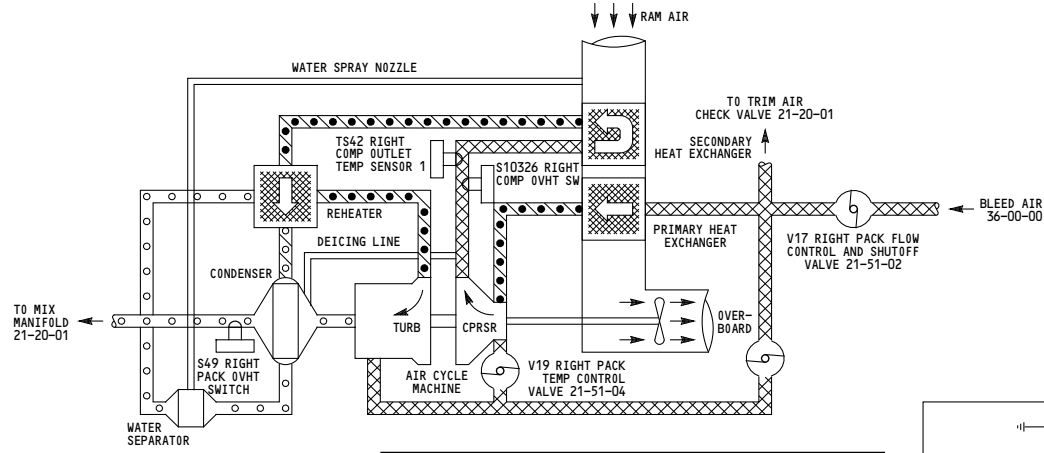
D280N032S

21-51-09

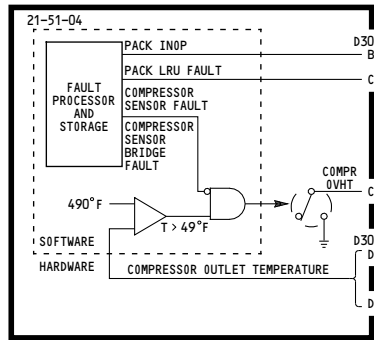
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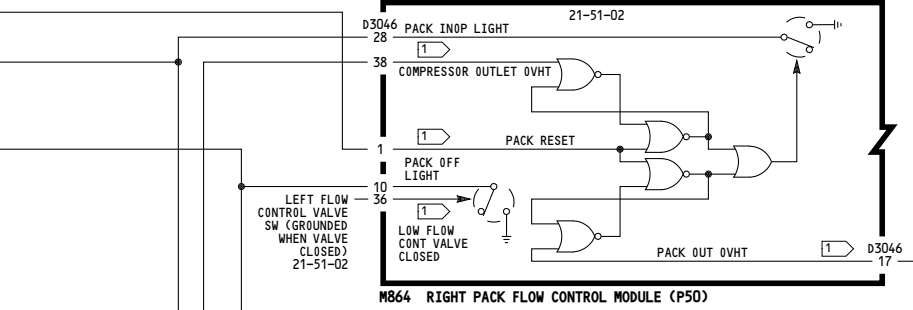
M10193 AIR CONDITIONING CONTROL PANEL (P5)



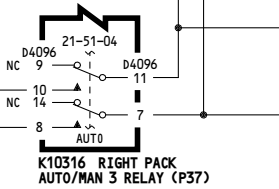
M10193 (YNR) AIR CONDITIONING CONTROL PANEL (P5)



M127 RIGHT PACK TEMPERATURE CONTROLLER (E3-2)

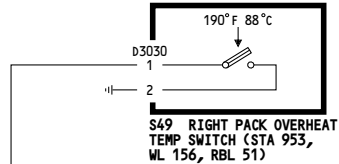


M864 RIGHT PACK FLOW CONTROL MODULE (P50)

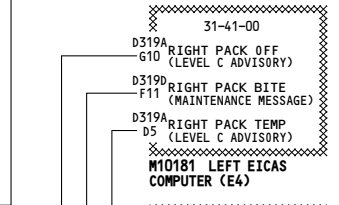


K10316 RIGHT PACK AUTO/MAN 3 RELAY (P37)

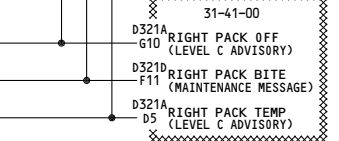
NOTES:
 COOL AIR WARM AIR INPUT INVERTED - GROUNDING INPUT = LOGIC "1"
 COLD AIR HOT AIR



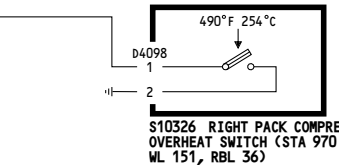
S49 RIGHT PACK OVERHEAT TEMP SWITCH (STA 953, WL 156, RBL 51)



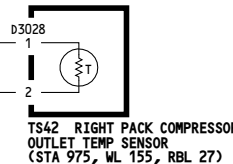
M10181 LEFT EICAS COMPUTER (E4)



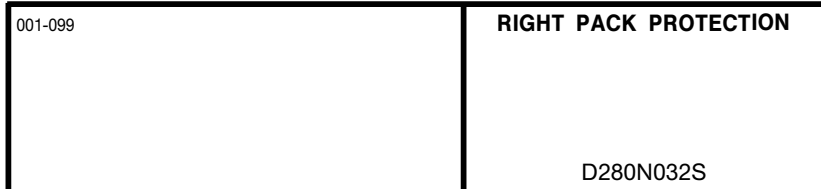
M10182 RIGHT EICAS COMPUTER (E4)



S10326 RIGHT PACK COMPRESSOR OVERHEAT SWITCH (STA 970 WL 151, RBL 36)



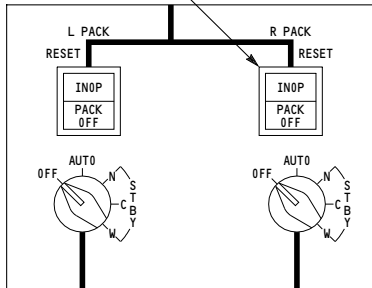
TS42 RIGHT PACK COMPRESSOR OUTLET TEMP SENSOR (STA 975, WL 155, RBL 27)



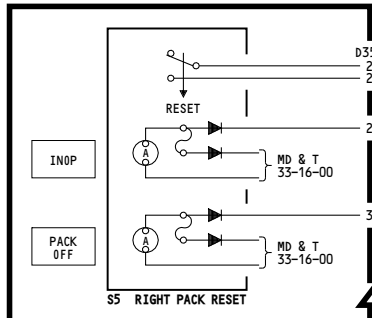
21-51-10

5011

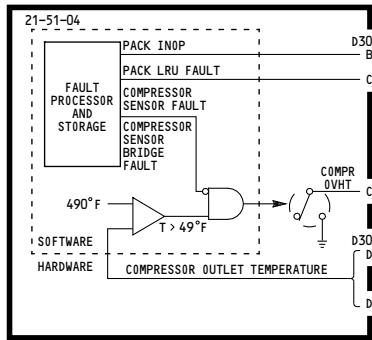
WIRING DIAGRAMS
21-51-25



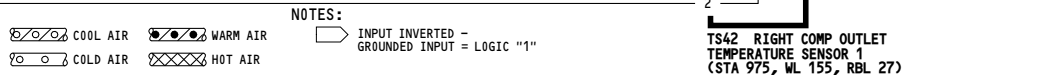
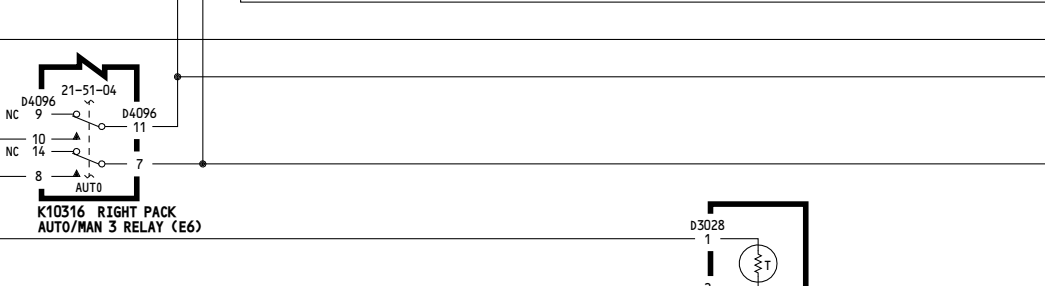
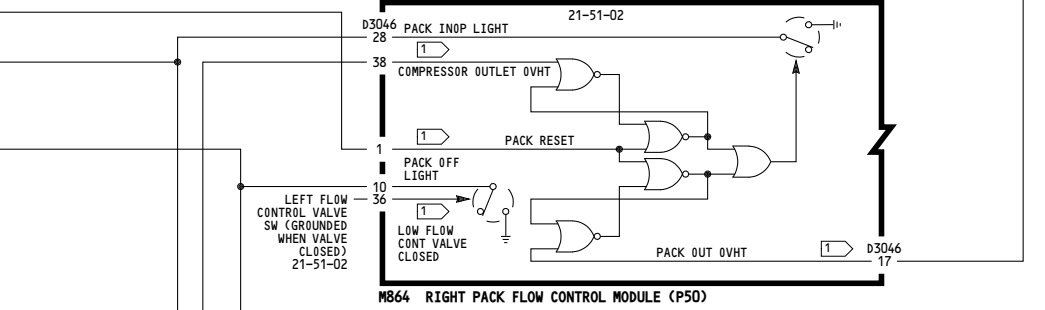
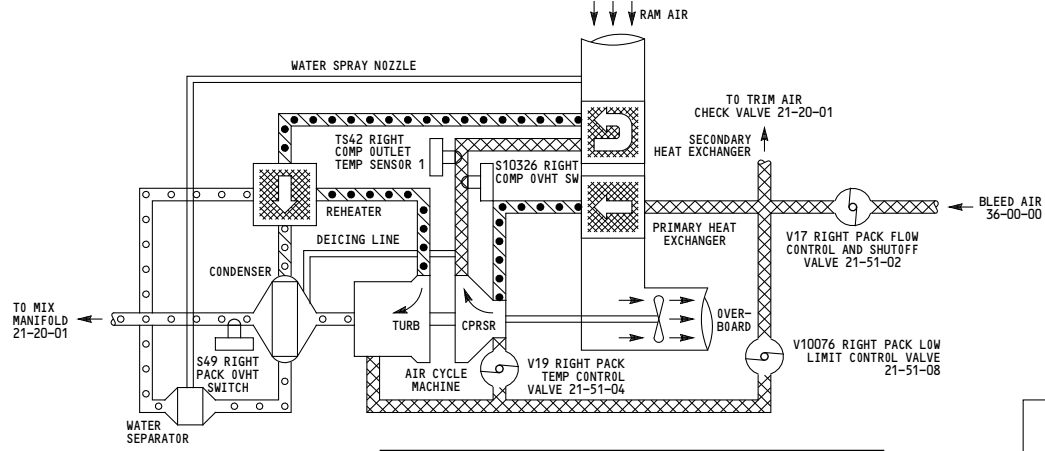
M10193(YNR) AIR CONDITIONING CONTROL PANEL (P5)



M10193(YNR) AIR CONDITIONING CONTROL PANEL (P5)



M127 RIGHT PACK TEMPERATURE CONTROLLER (E6)

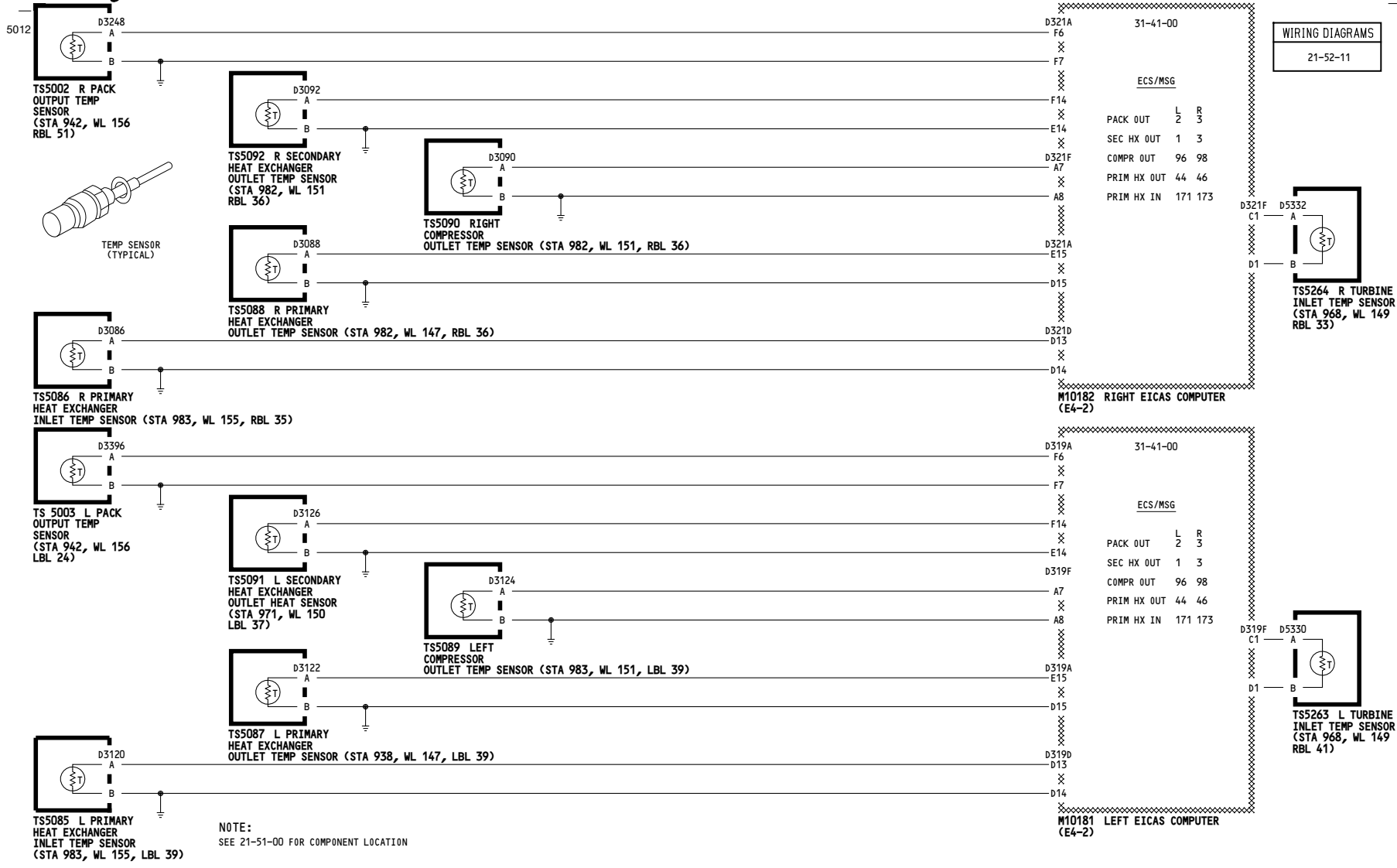


115-199

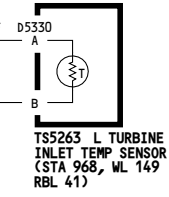
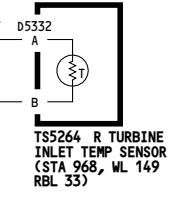
RIGHT PACK PROTECTION

D280N032S

21-51-10



WIRING DIAGRAMS
21-52-11



001-099

AIR CONDITIONING PACK TEMPERATURE INDICATION

D280N032S

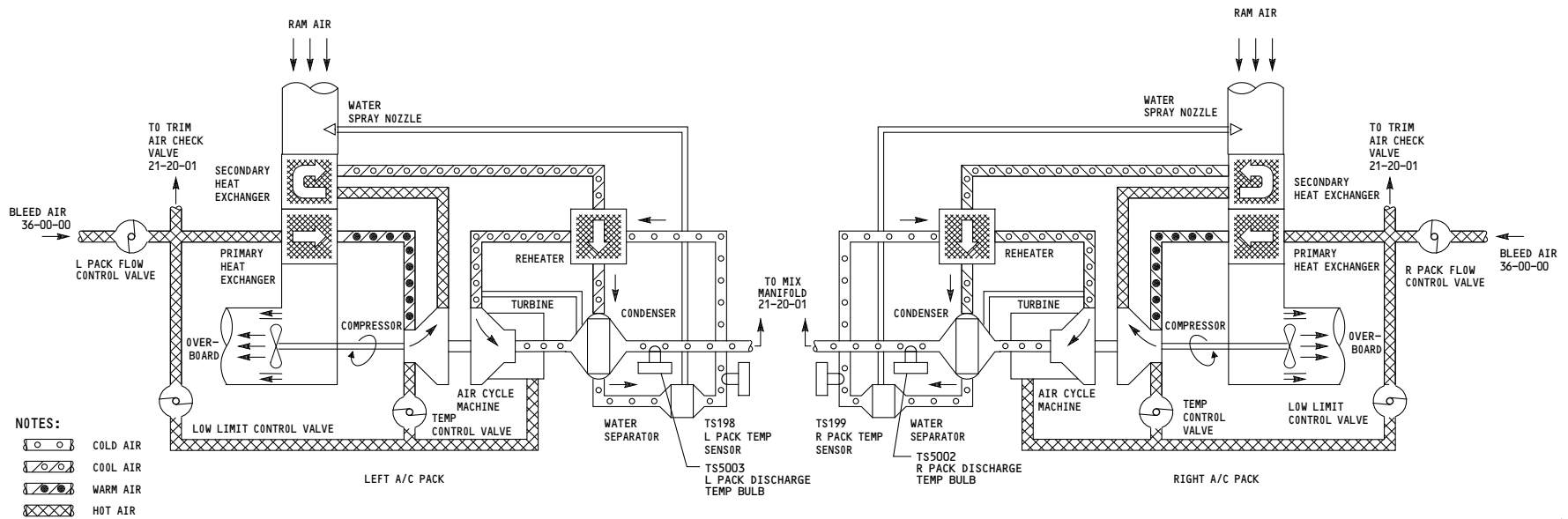
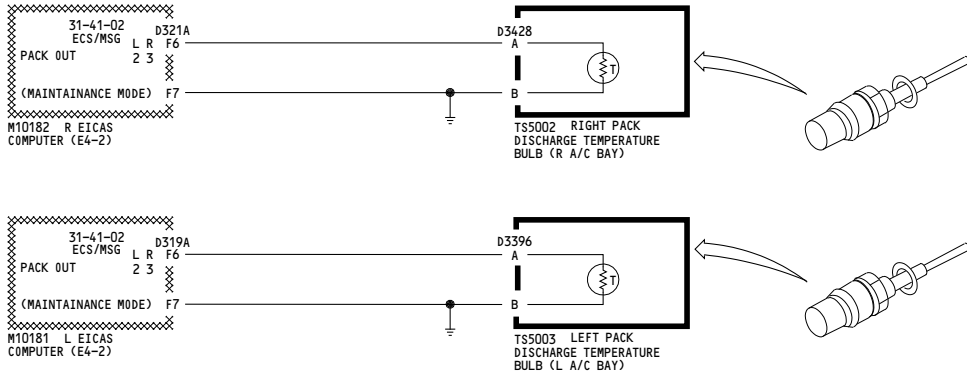
21-52-01

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5000

WIRING DIAGRAMS
21-52-11



- NOTES:
- COLD AIR
 - COOL AIR
 - WARM AIR
 - HOT AIR

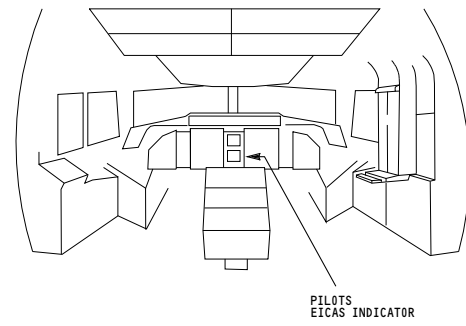
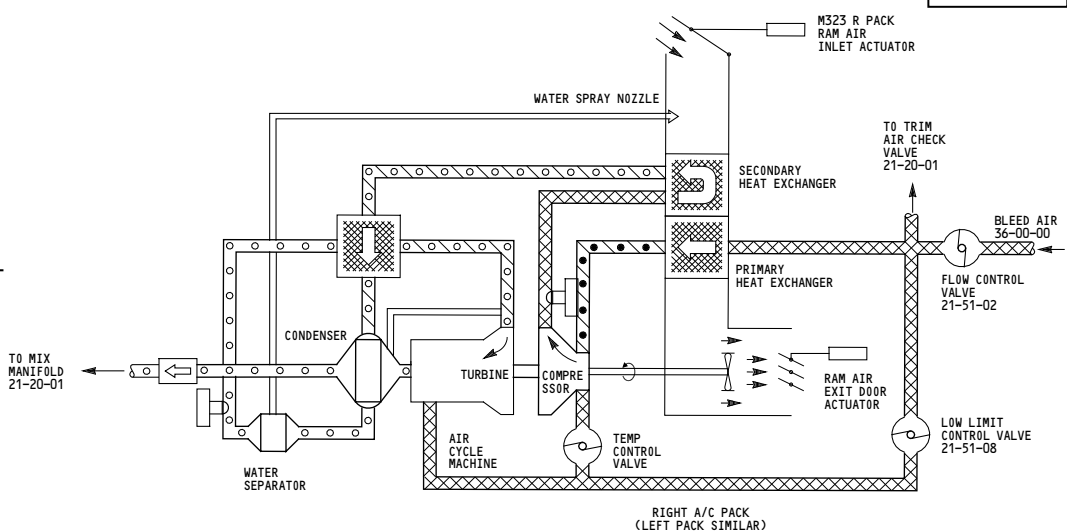
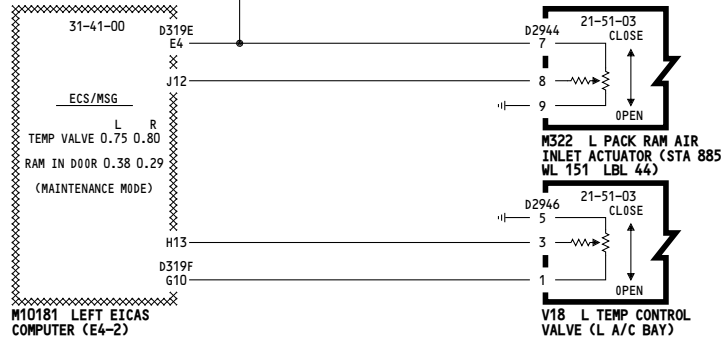
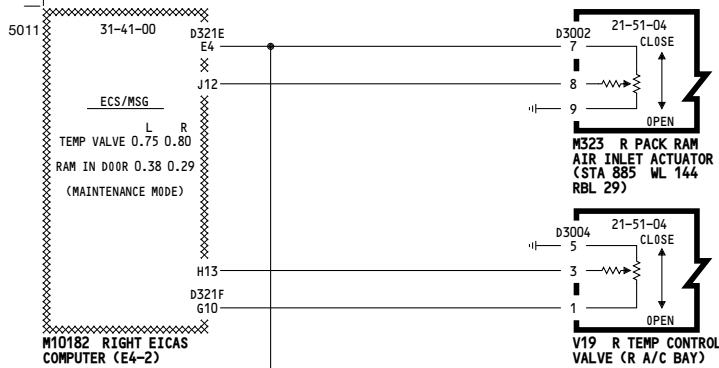
115-199	AIR CONDITIONING PACK TEMPERATURE INDICATION
D280N032S	

21-52-01

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WIRING DIAGRAMS
21-52-21



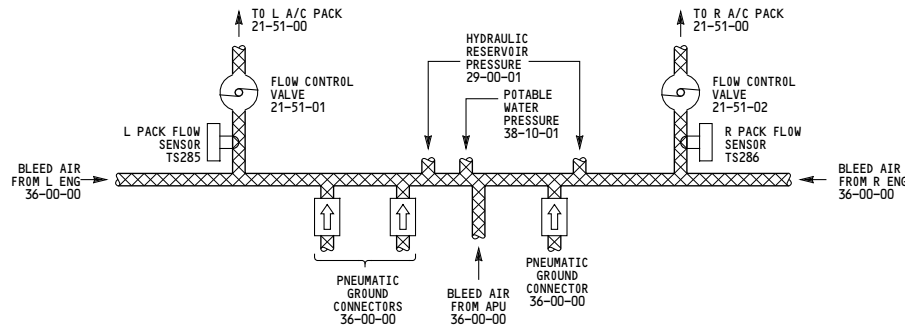
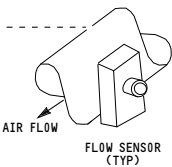
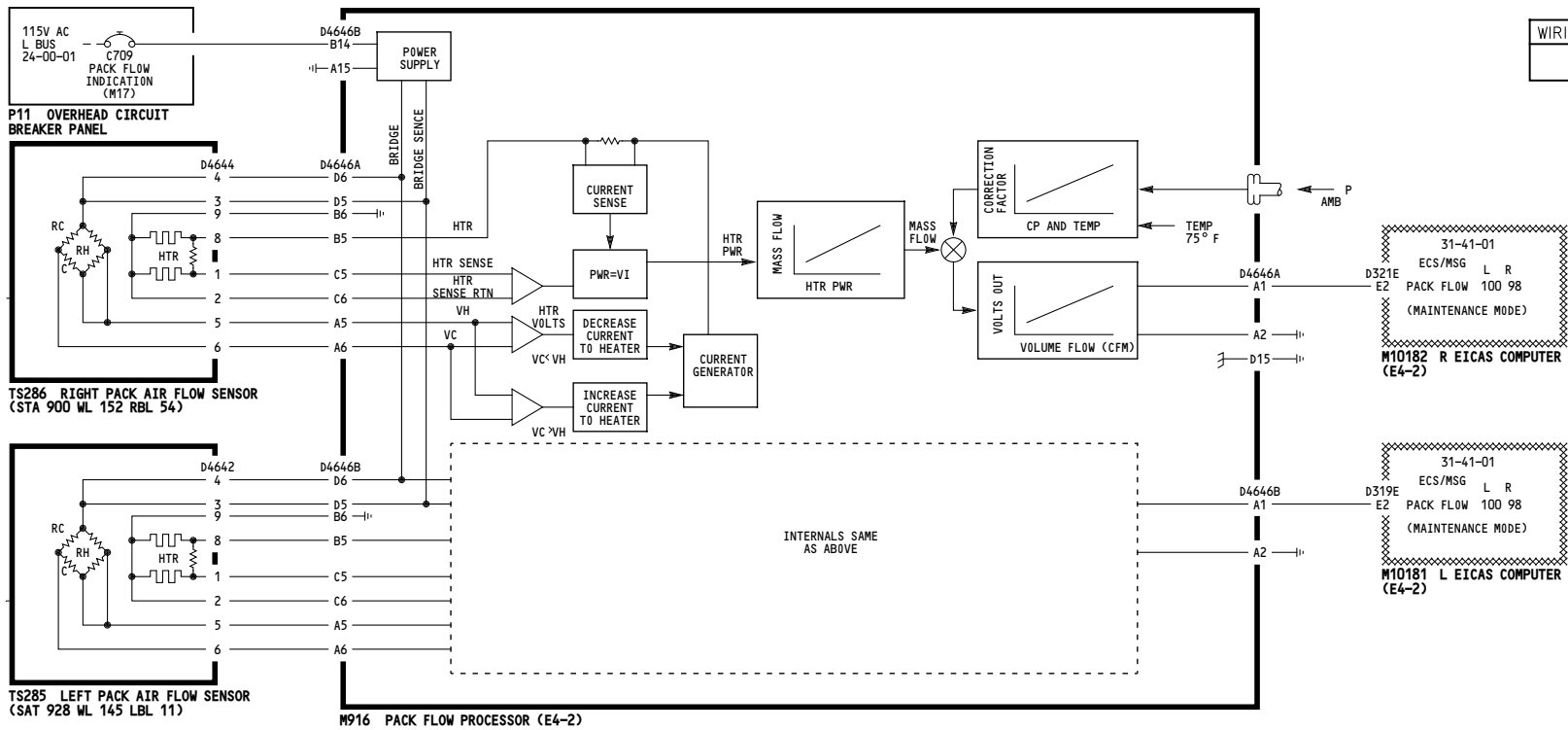
NOTES:

- ◻ COLD AIR
- ◻ COOL AIR
- ◻ WARM AIR
- ◻ HOT AIR

ALL	<p>PACK DOOR AND VALVE POSITION INDICATION</p> <p>D280N032S</p>
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5011

WIRING DIAGRAMS
21-52-31



XXXX BLEED AIR

001-008, 115-199

PACK FLOW INDICATION

D280N032S

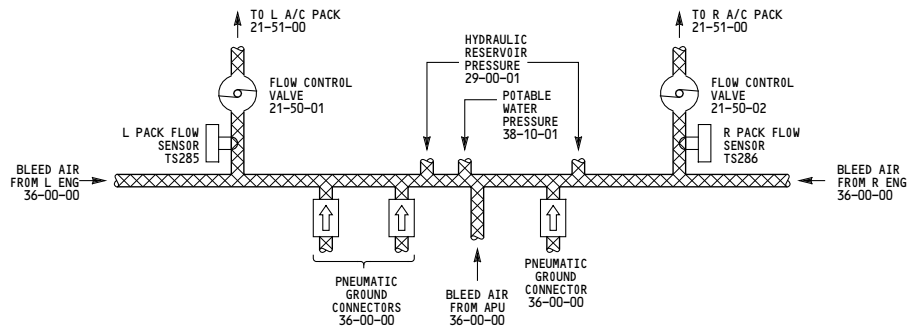
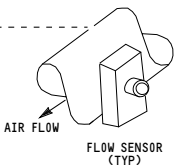
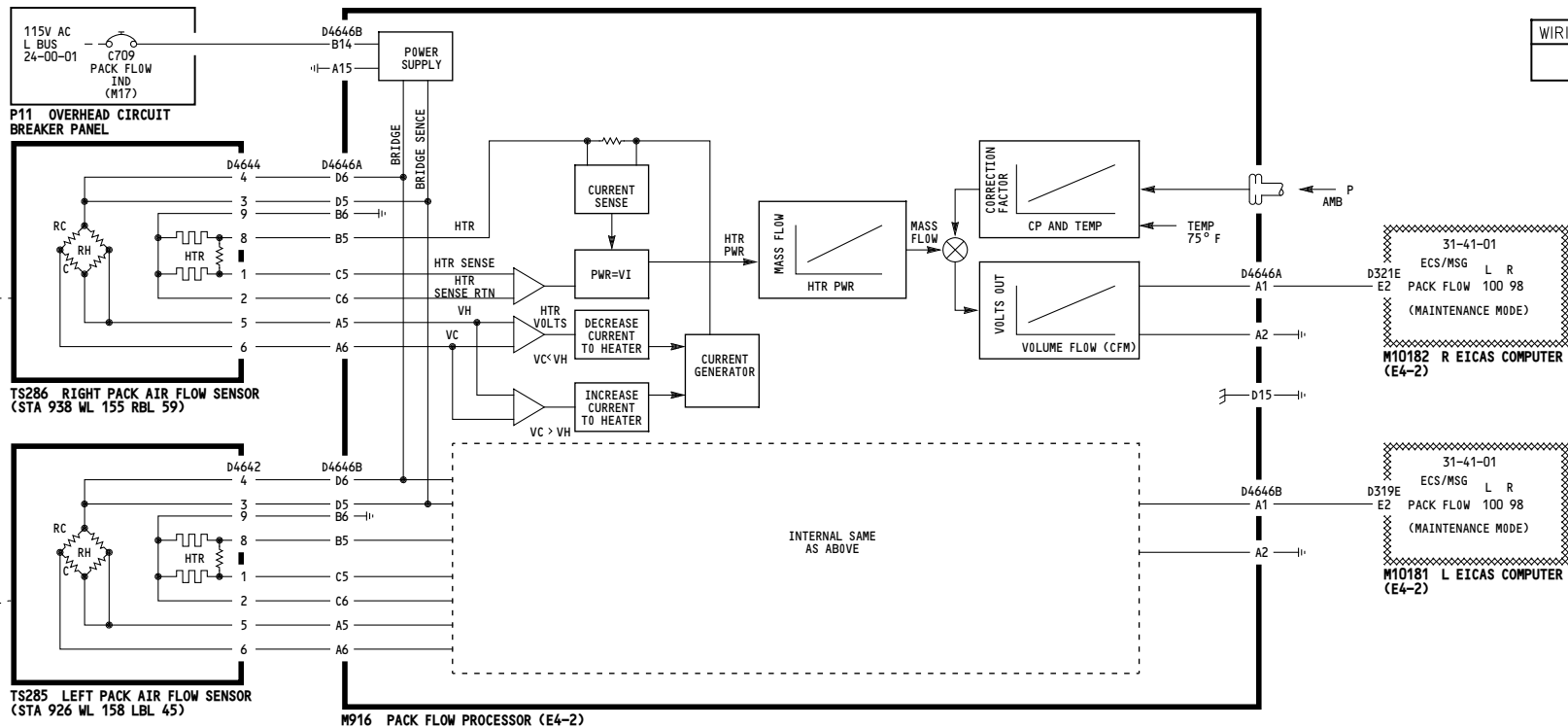
21-52-03

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WIRING DIAGRAMS
21-52-31

5014



NOTES:
 BLEED AIR

009-099

PACK FLOW INDICATION

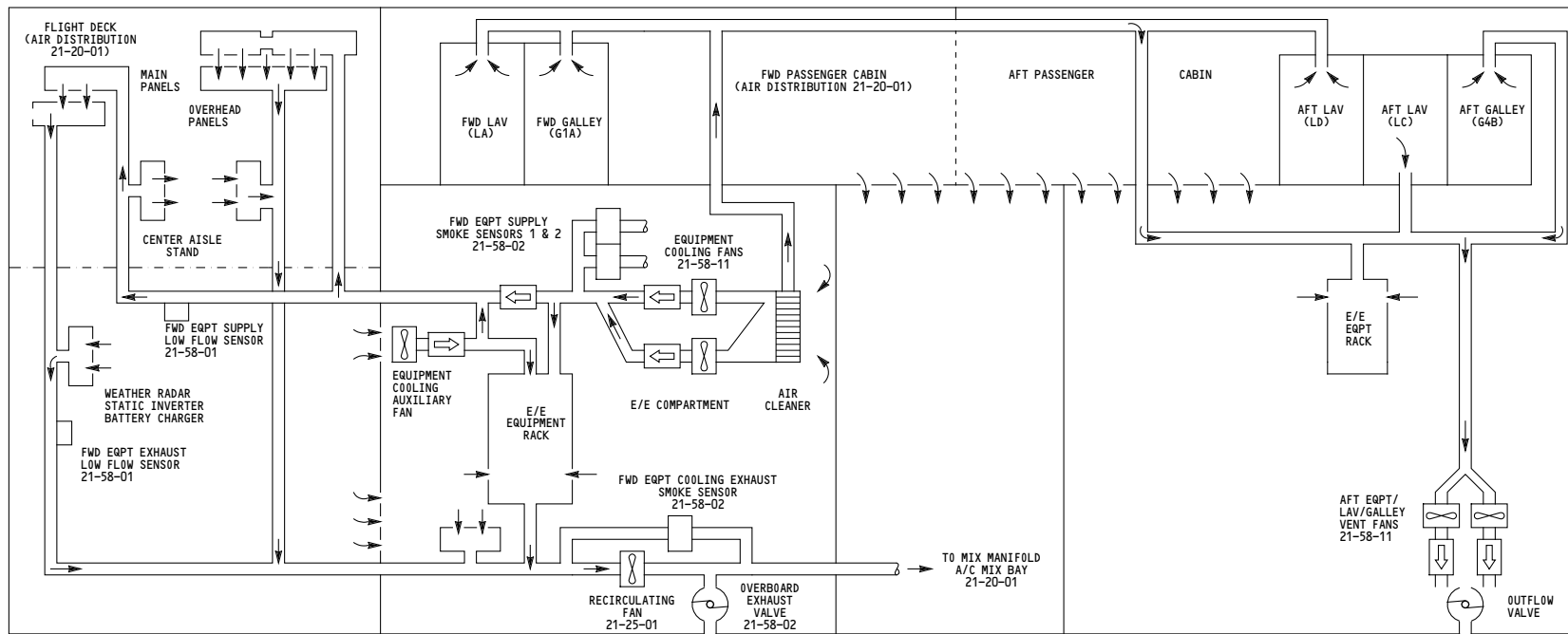
D280N032S

21-52-03

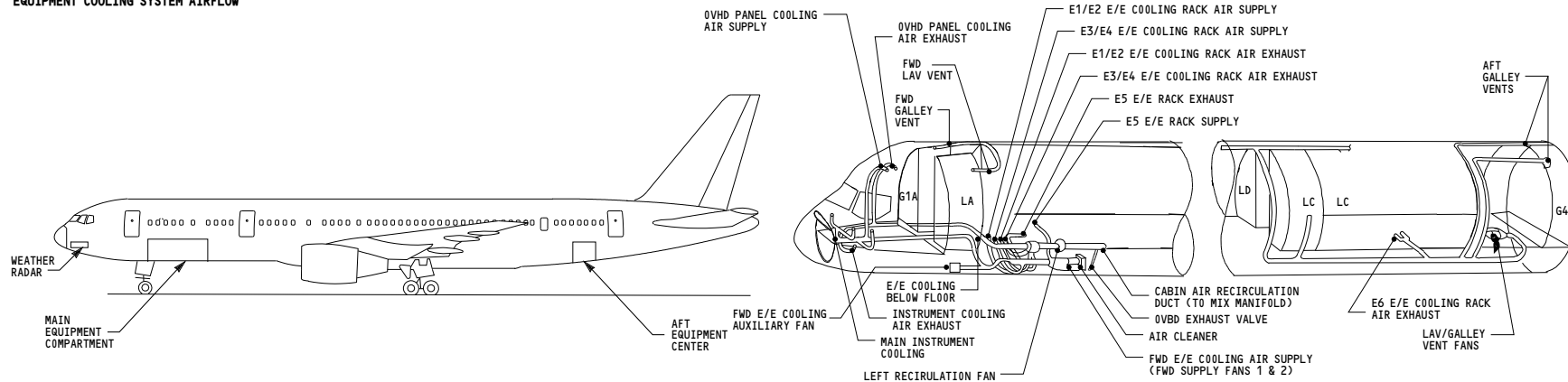
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EQUIPMENT COOLING SYSTEM AIRFLOW



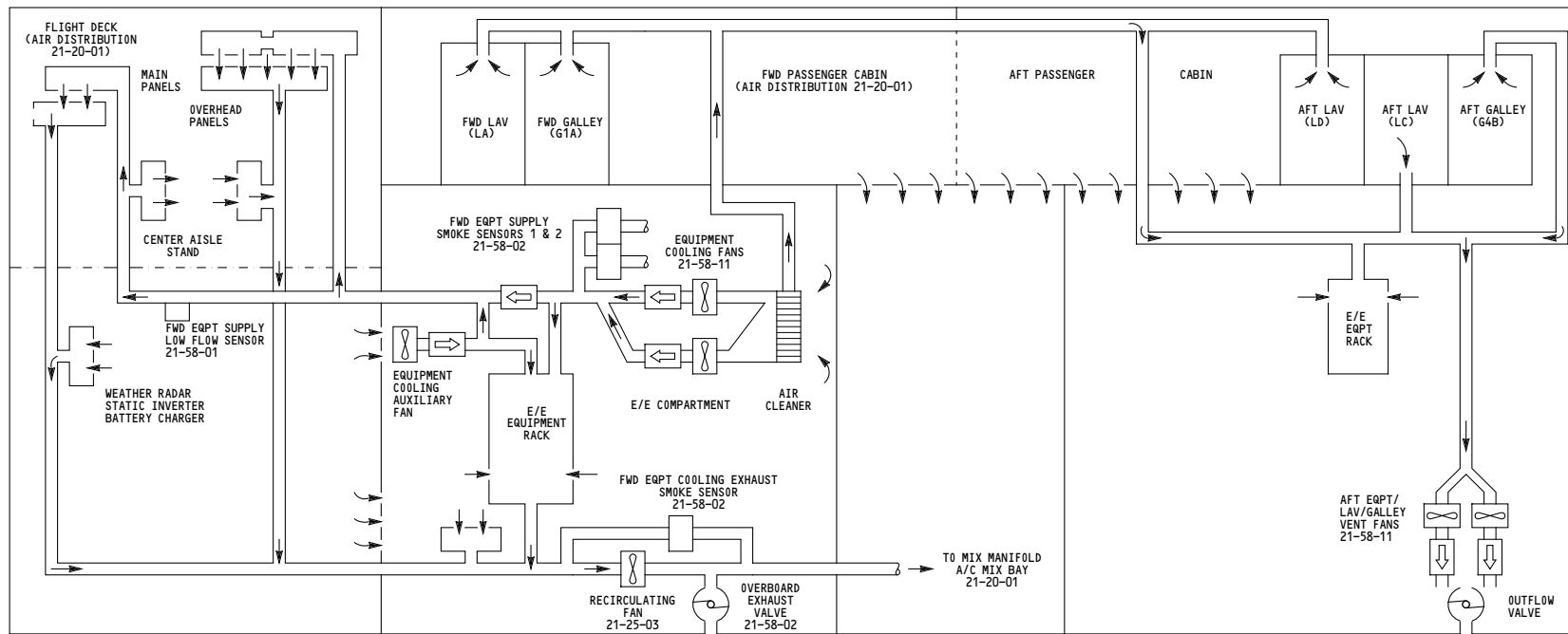
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EQUIPMENT COOLING - SIMPLIFIED

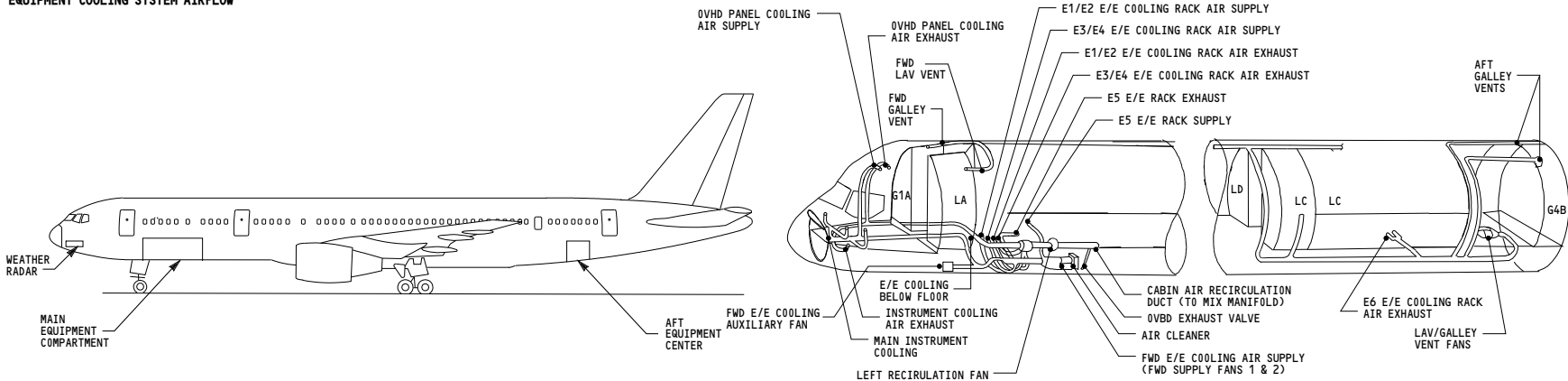
D280N032S

21-58-00

5122



EQUIPMENT COOLING SYSTEM AIRFLOW



001-011	EQUIPMENT COOLING - SIMPLIFIED
D280N032S	

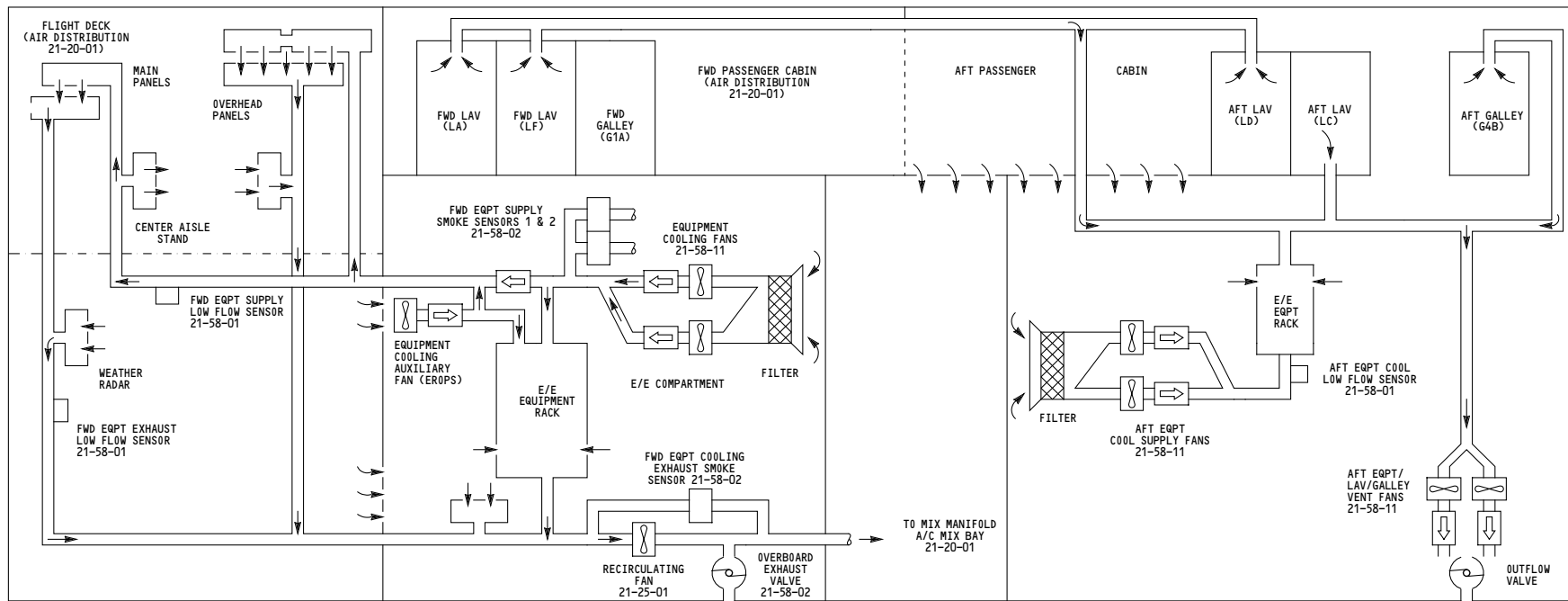
Incorporates
 21-0061 R01

21-58-00

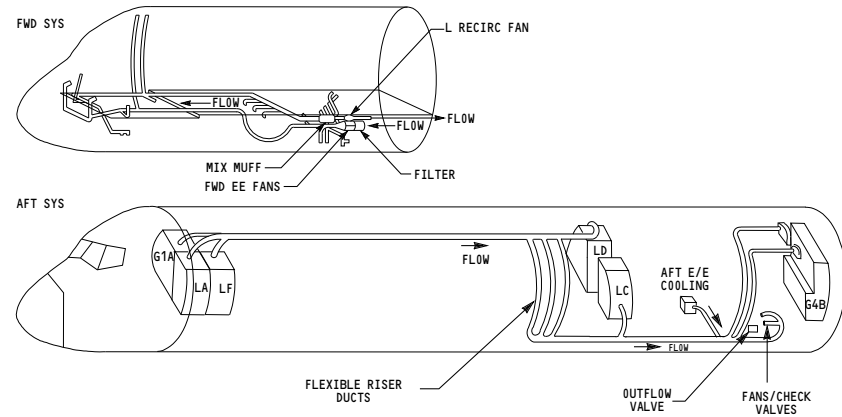
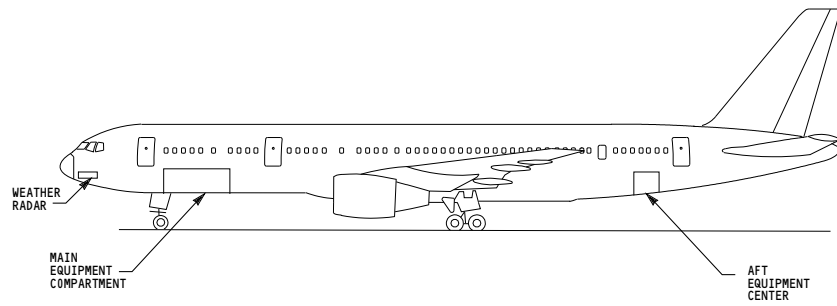
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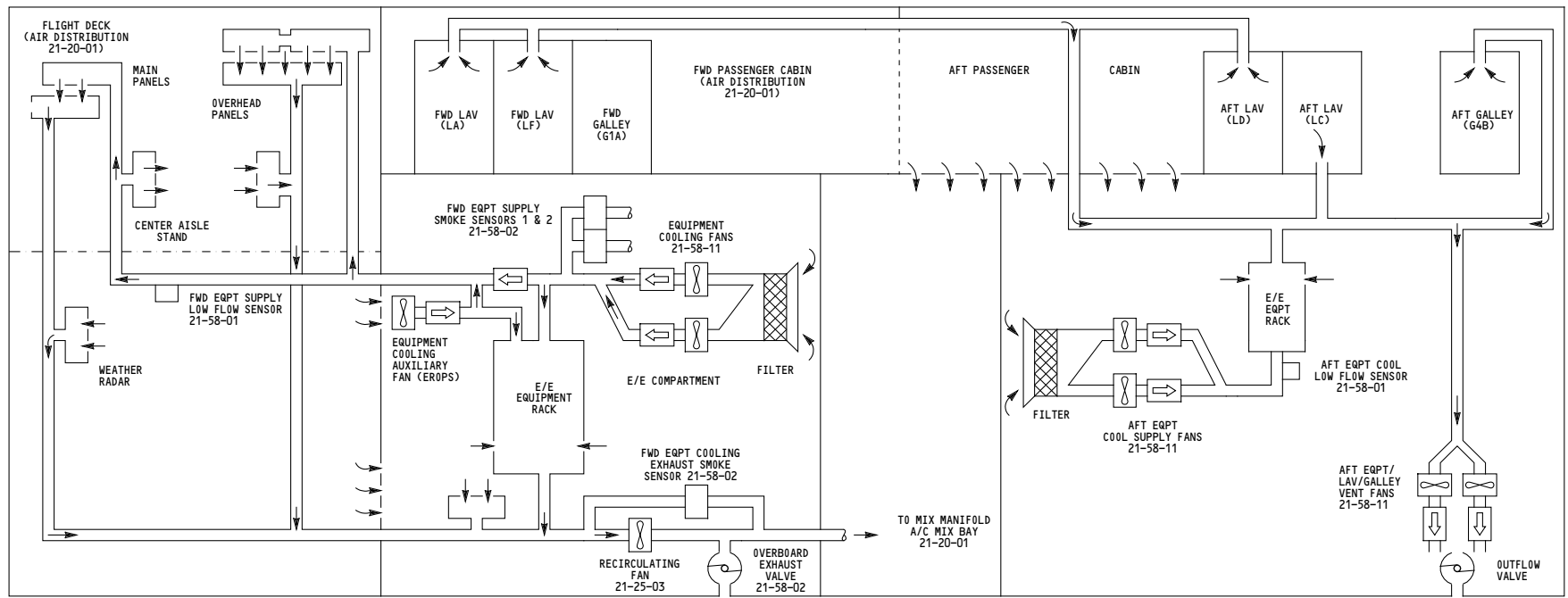
EQUIPMENT COOLING SYSTEM AIRFLOW



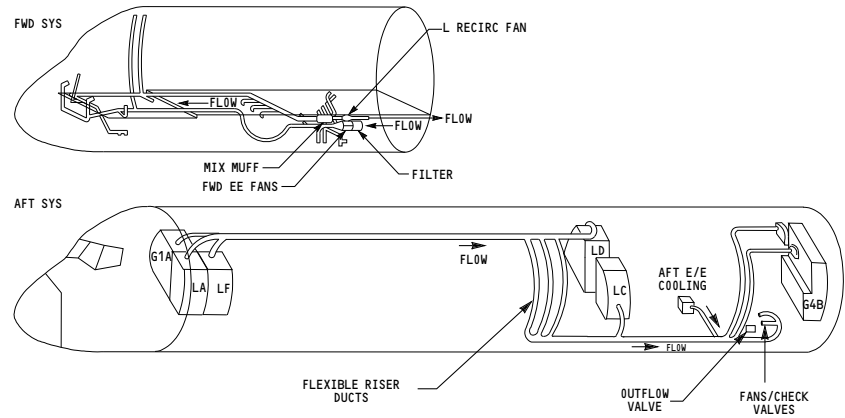
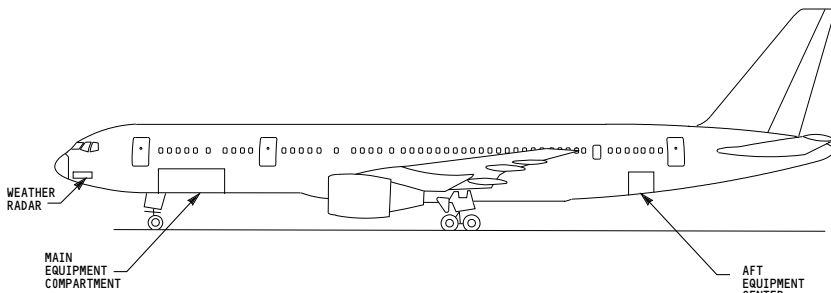
115-199	<p align="center">EQUIPMENT COOLING - SIMPLIFIED</p> <p align="center">D280N032S</p>
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21-58-00

5166



EQUIPMENT COOLING SYSTEM AIRFLOW



115	<p>EQUIPMENT COOLING - SIMPLIFIED</p> <p>D280N032S</p>
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Incorporates
 21-0061 R01

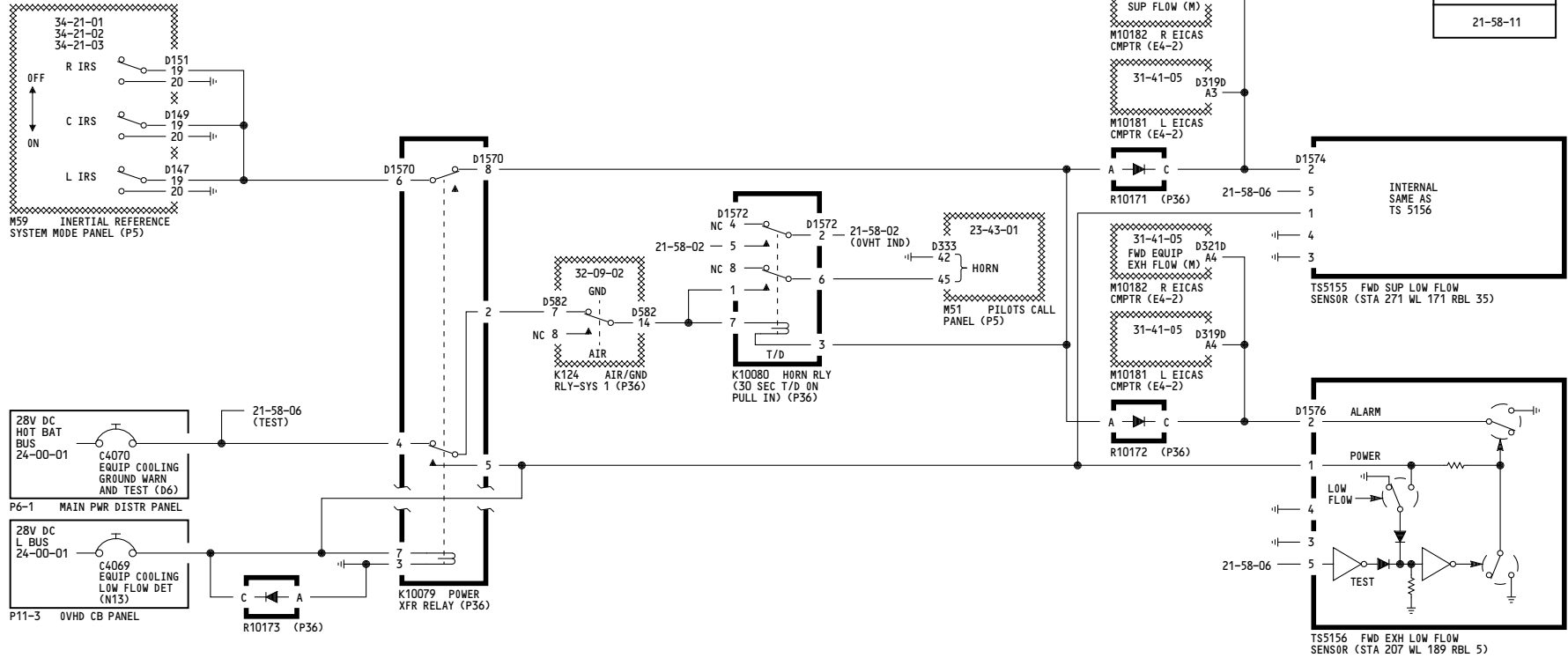
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WIRING DIAGRAMS
21-58-11



001-099

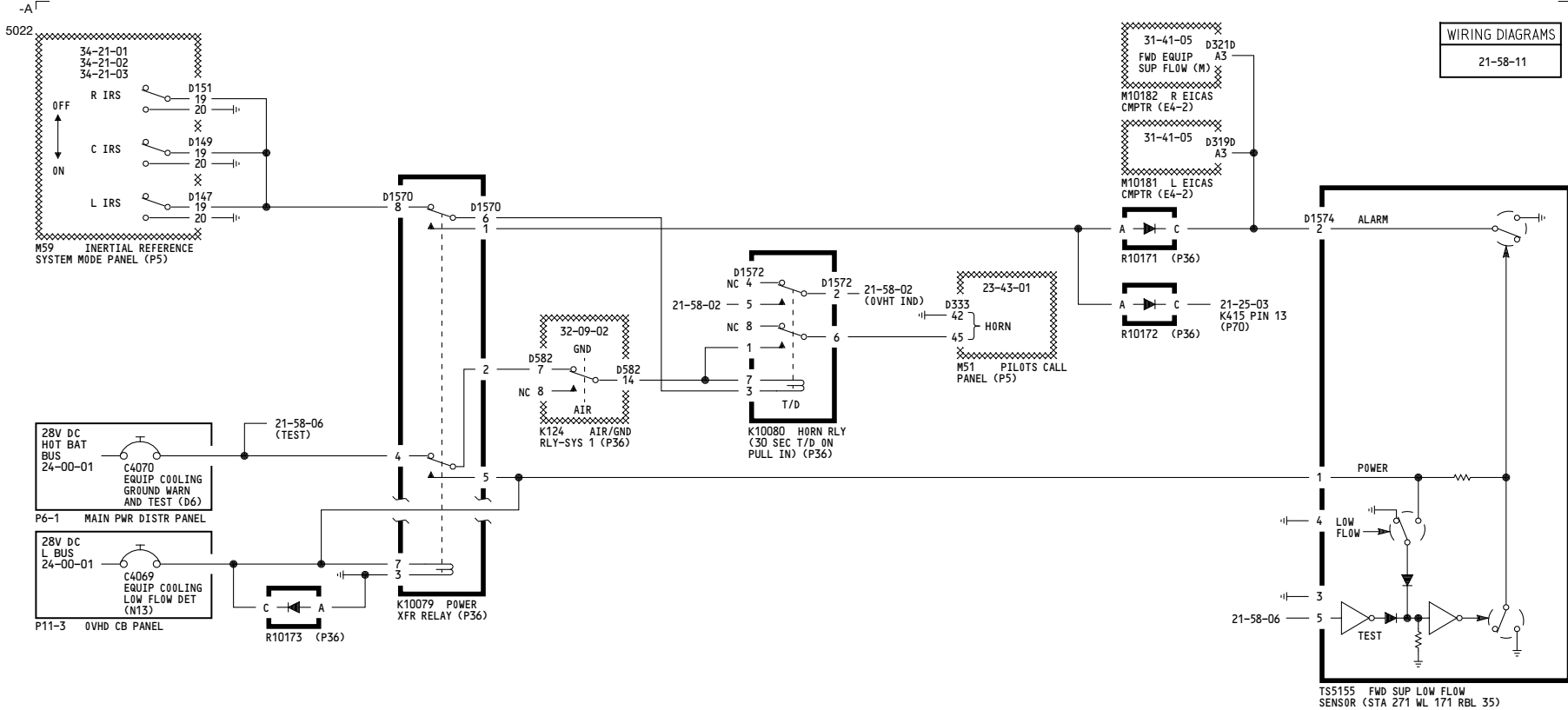
**EQUIPMENT COOLING FAILURE
- LOW FLOW DETECTION**

D280N032S

21-58-01

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001-011

EQUIPMENT COOLING FAILURE - LOW FLOW DETECTION

Incorporates
21-0061 R01

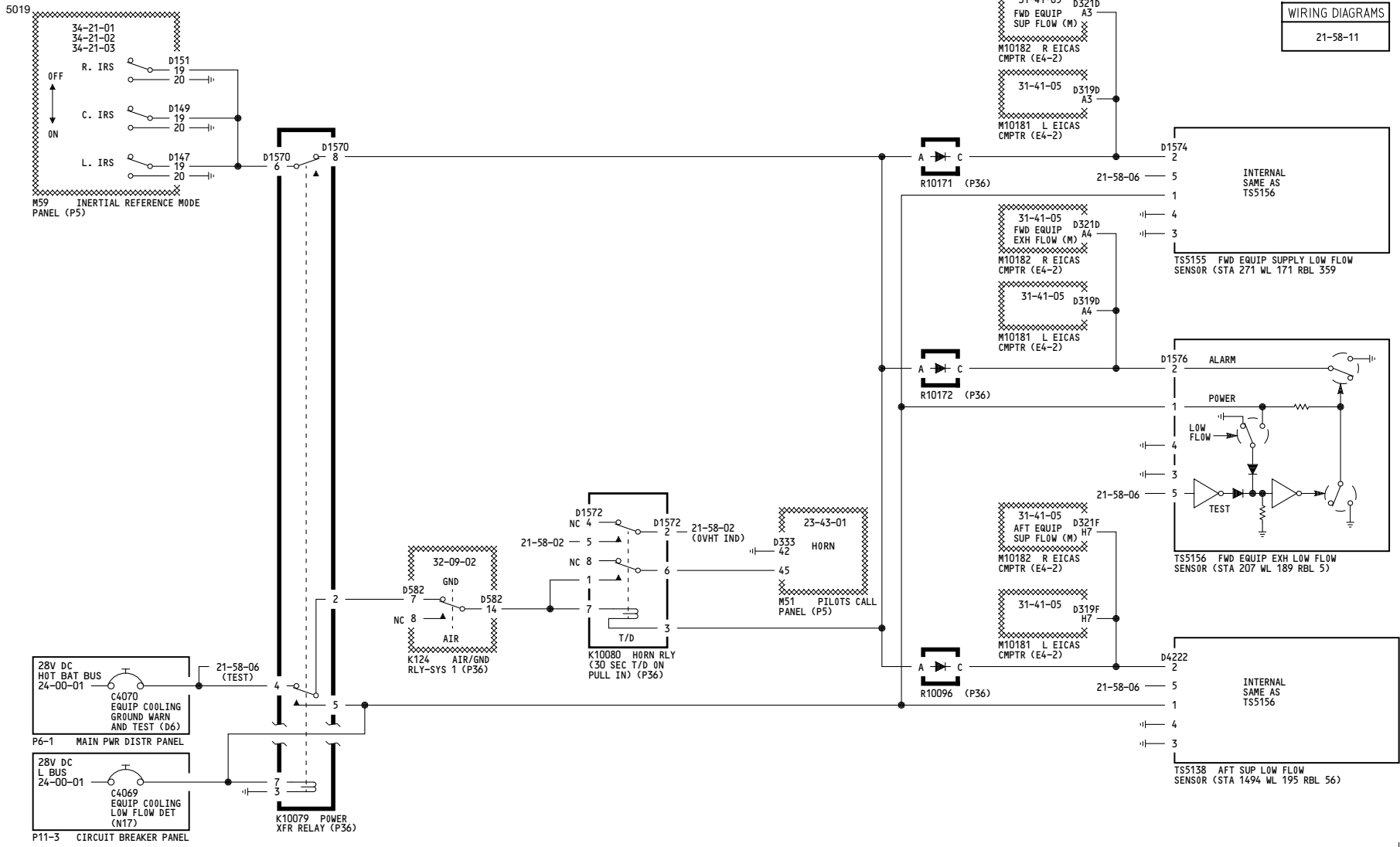
D280N032S

21-58-01

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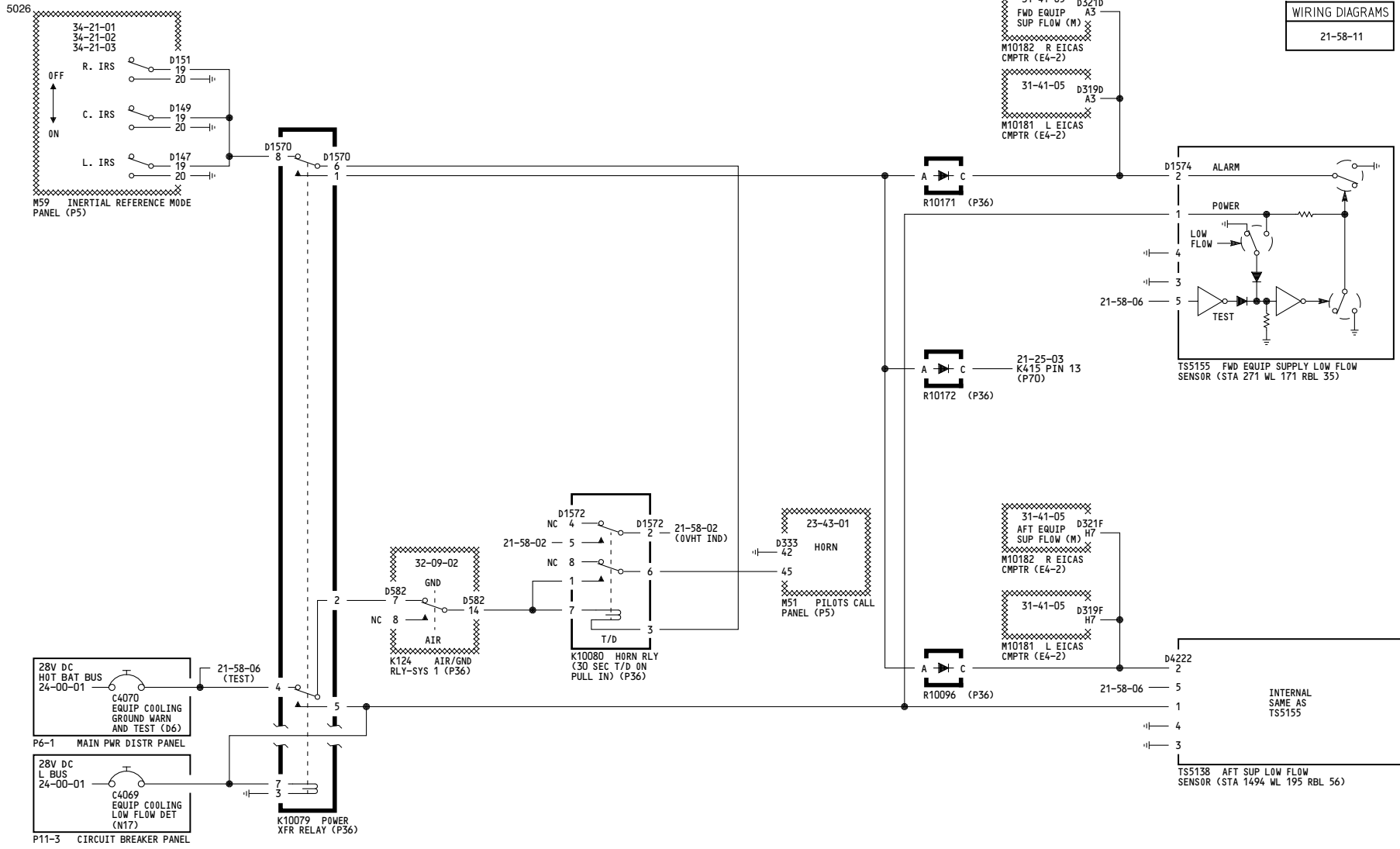
WIRING DIAGRAMS
21-58-11



<p>115-199</p>	<p>EQUIPMENT COOLING FAILURE - LOW FLOW DETECTION</p> <p>D280N032S</p>
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21-58-01

WIRING DIAGRAMS
21-58-11



115

EQUIPMENT COOLING FAILURE - LOW FLOW DETECTION

D280N032S

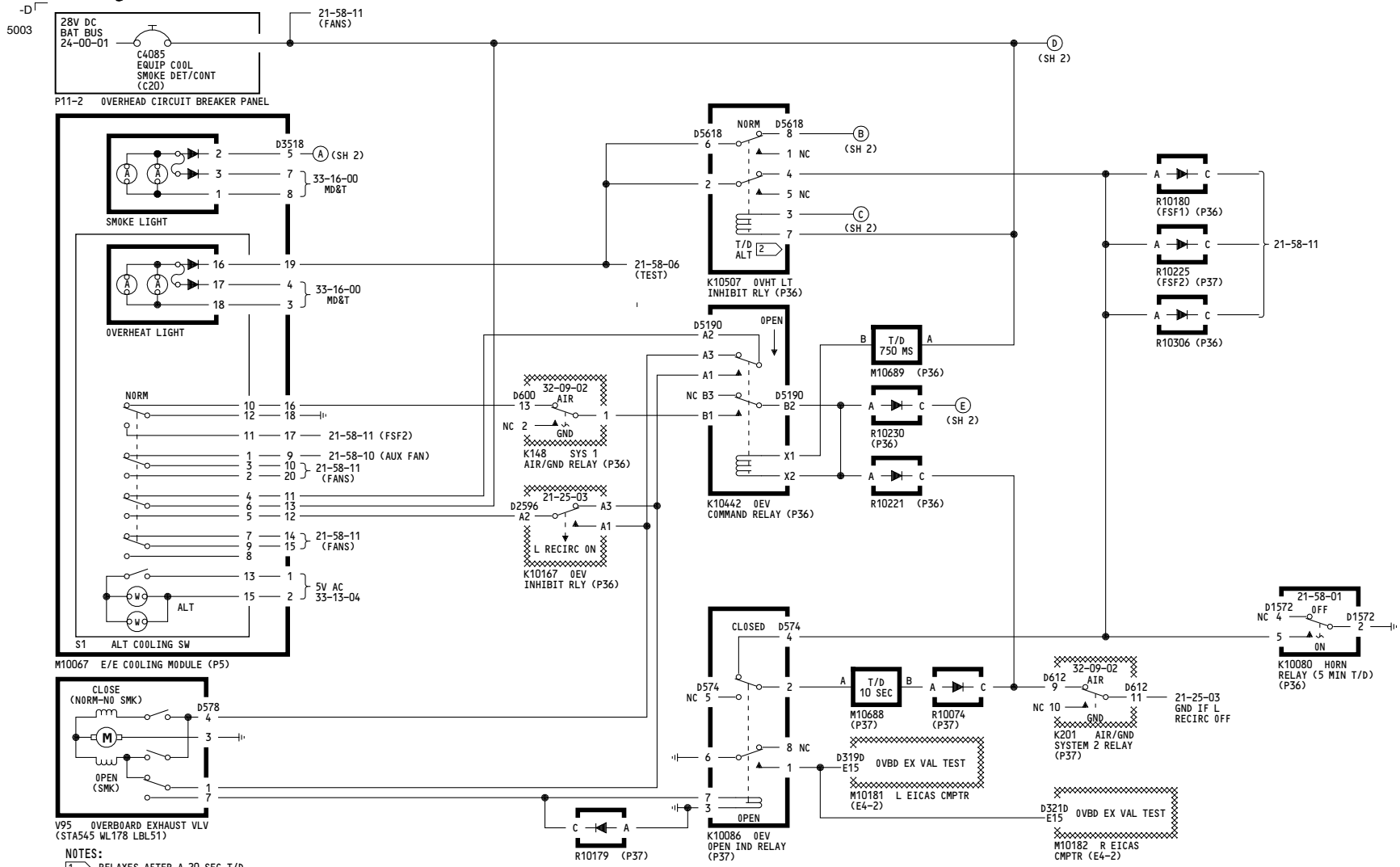
Incorporates
21-0061 R01

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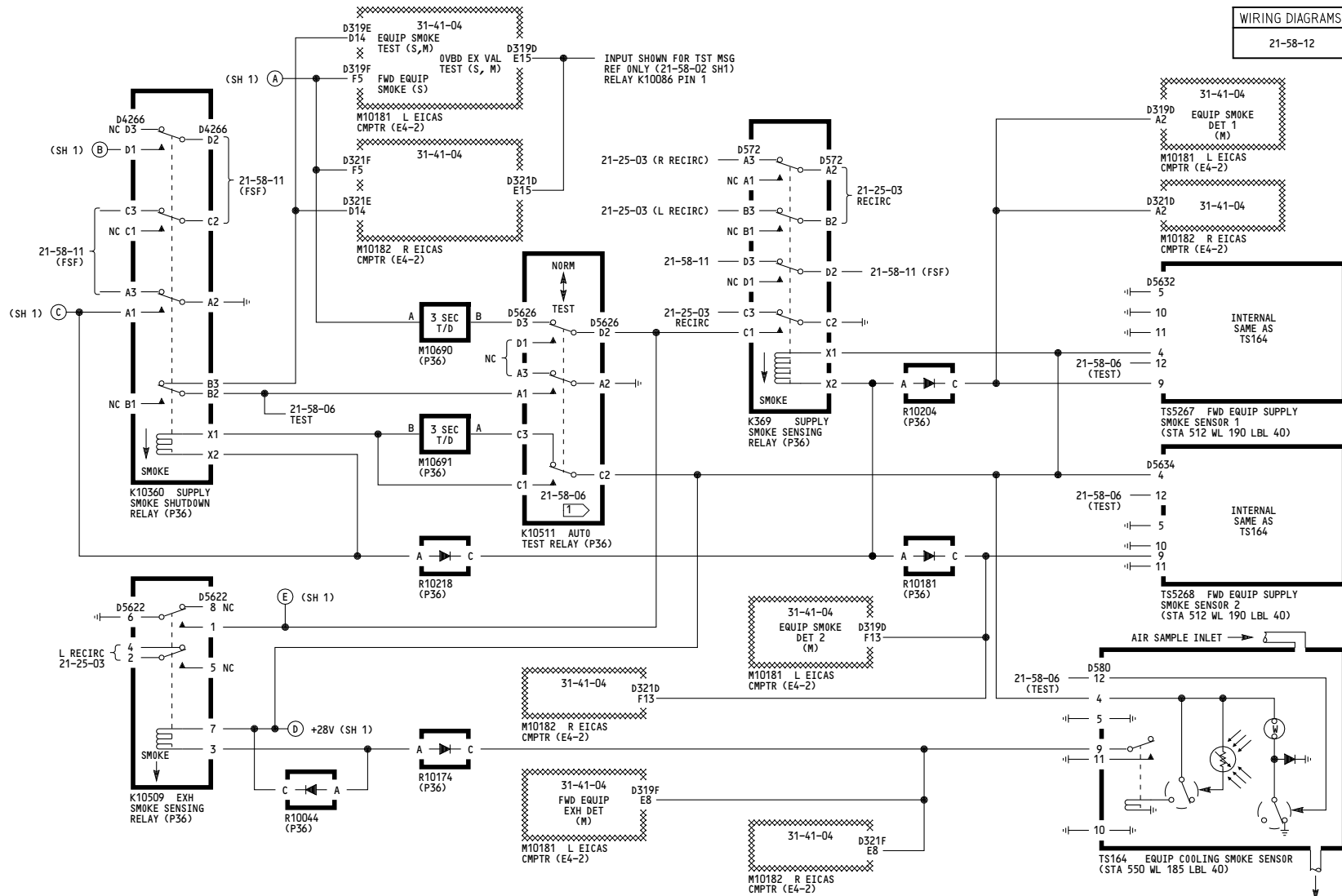
NOTES:
 [1] RELAXES AFTER A 20 SEC T/D UPON ENG SHUTDOWN
 [2] RELAXES AFTER 5 MINUTES

001-099	EQUIPMENT COOLING - SMOKE CONTROL
D280N032S	

21-58-02

-A
5004

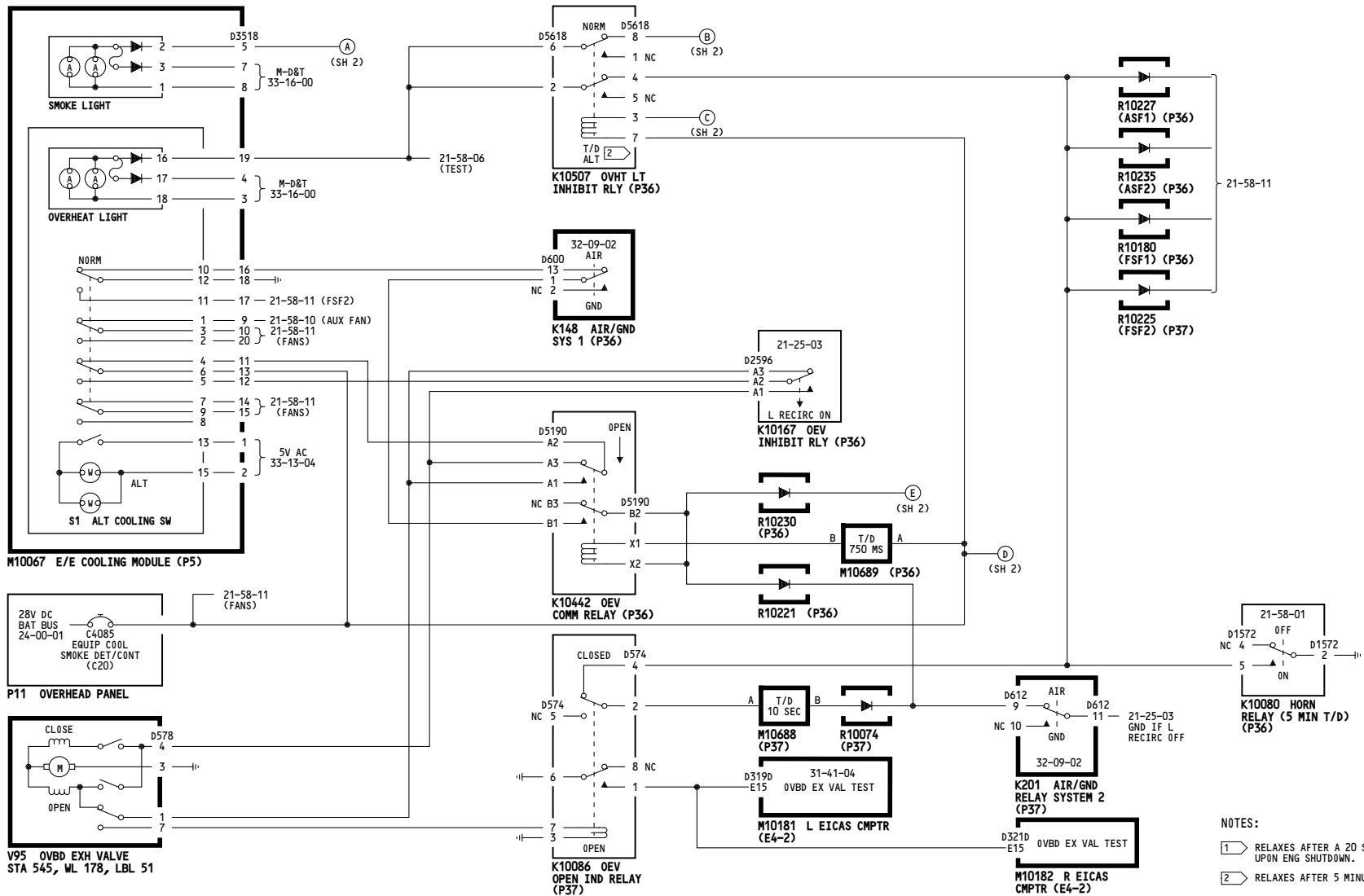
WIRING DIAGRAMS
21-58-12



001-099	<p align="center">EQUIPMENT COOLING - SMOKE CONTROL</p> <p align="center">D280N032S</p>
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21-58-02

-A-
5005



- NOTES:
- 1 RELAXES AFTER A 20 SEC T/D UPON ENG SHUTDOWN.
 - 2 RELAXES AFTER 5 MINUTES.

21-58-02

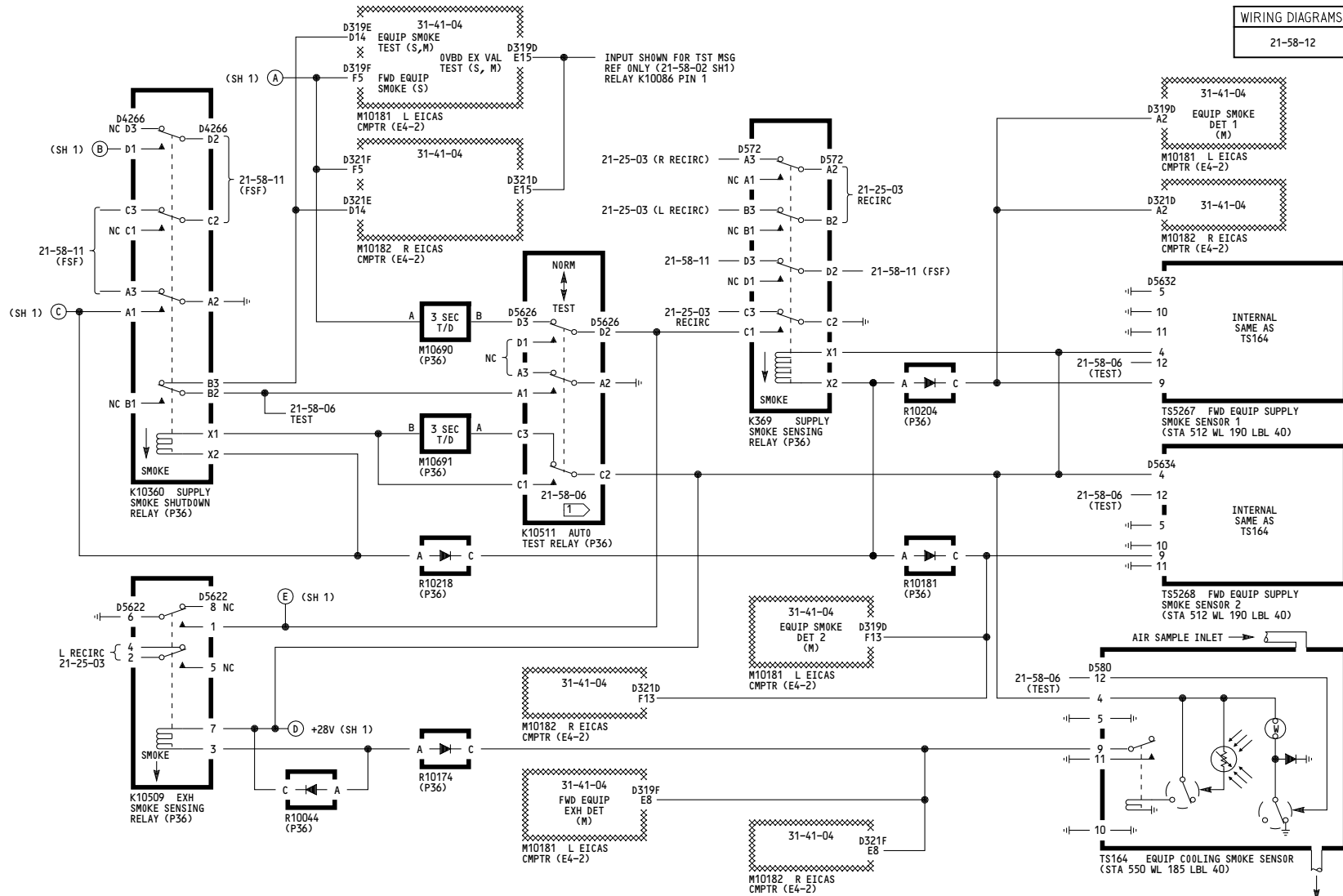
115-199

EQUIPMENT COOLING - SMOKE CONTROL

D280N032S

-A
5004

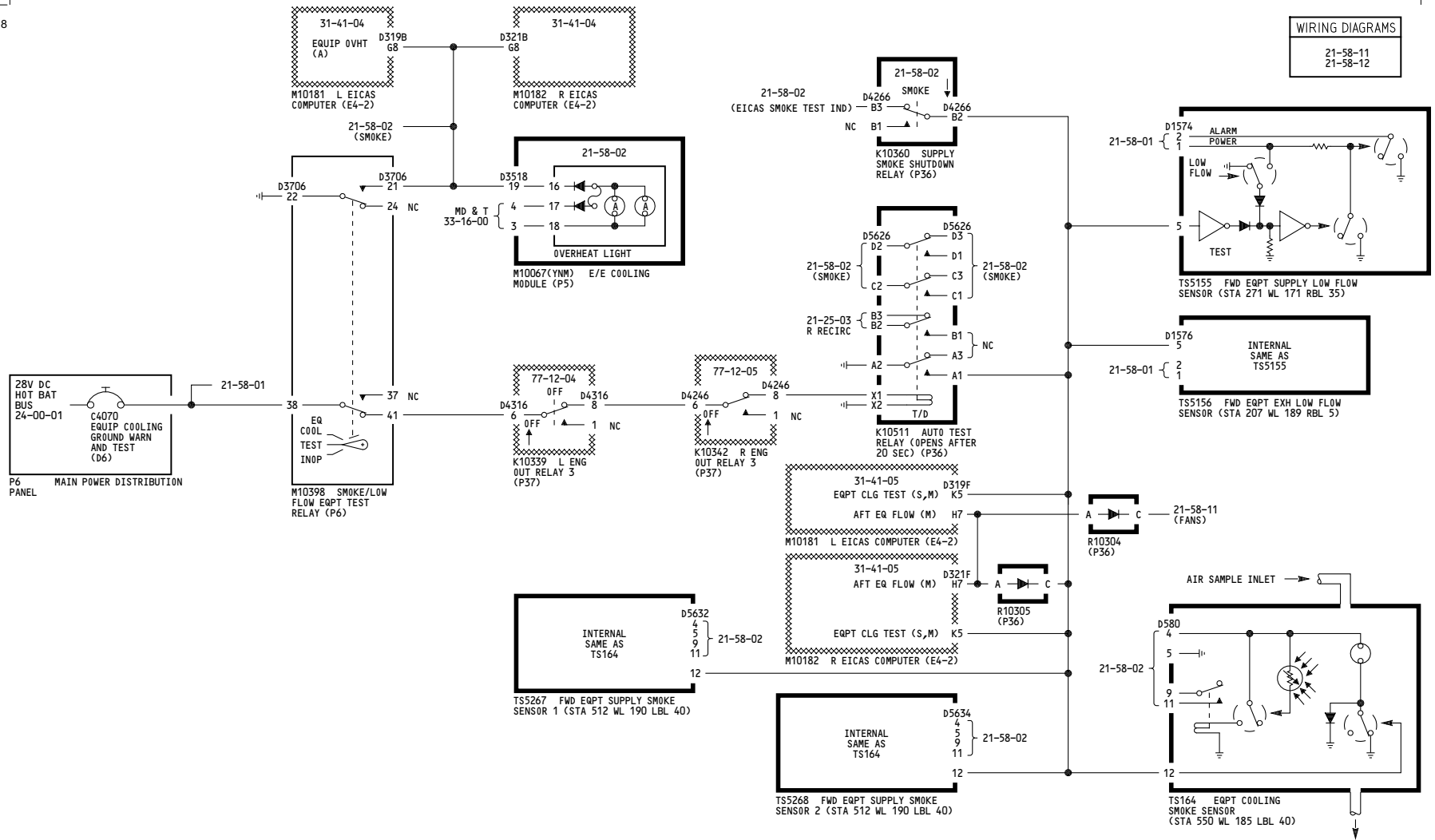
WIRING DIAGRAMS
21-58-12



115-199	<p align="center">EQUIPMENT COOLING - SMOKE CONTROL</p> <p align="center">D280N032S</p>
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21-58-02

5018

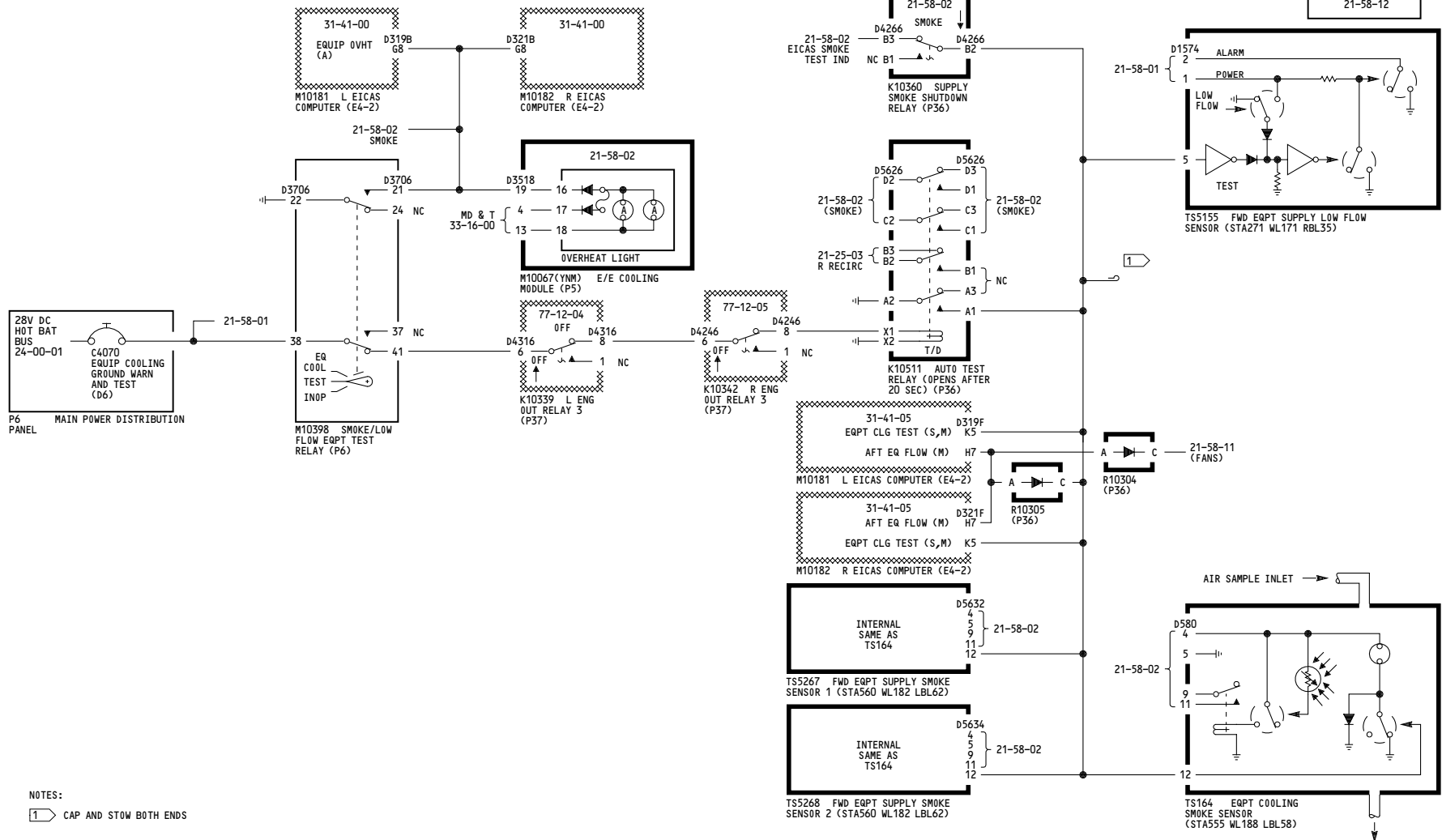


001-099	<p>EQUIPMENT COOLING - AUTOMATIC TEST</p> <p>D280N032S</p>
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21-58-06

-B
5040

WIRING DIAGRAMS
21-58-11
21-58-12

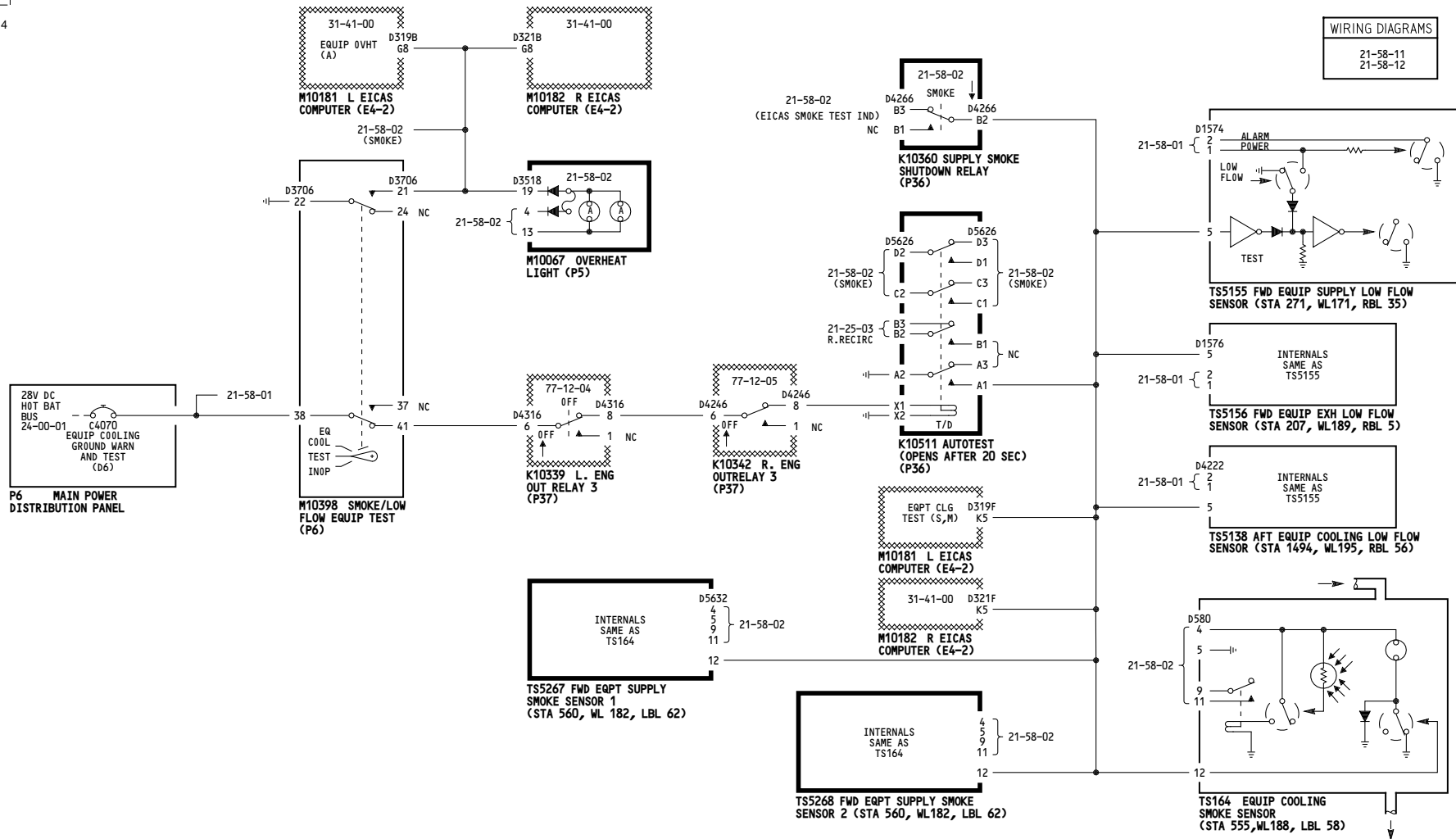


NOTES:
1 CAP AND STOW BOTH ENDS

001-011	<p>EQUIPMENT COOLING - AUTOMATIC TEST</p> <p>Incorporates 21-0061 R01</p> <p>D280N032S</p>
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21-58-06

5014



115-199

EQUIPMENT COOLING - AUTOMATIC TEST

D280N032S

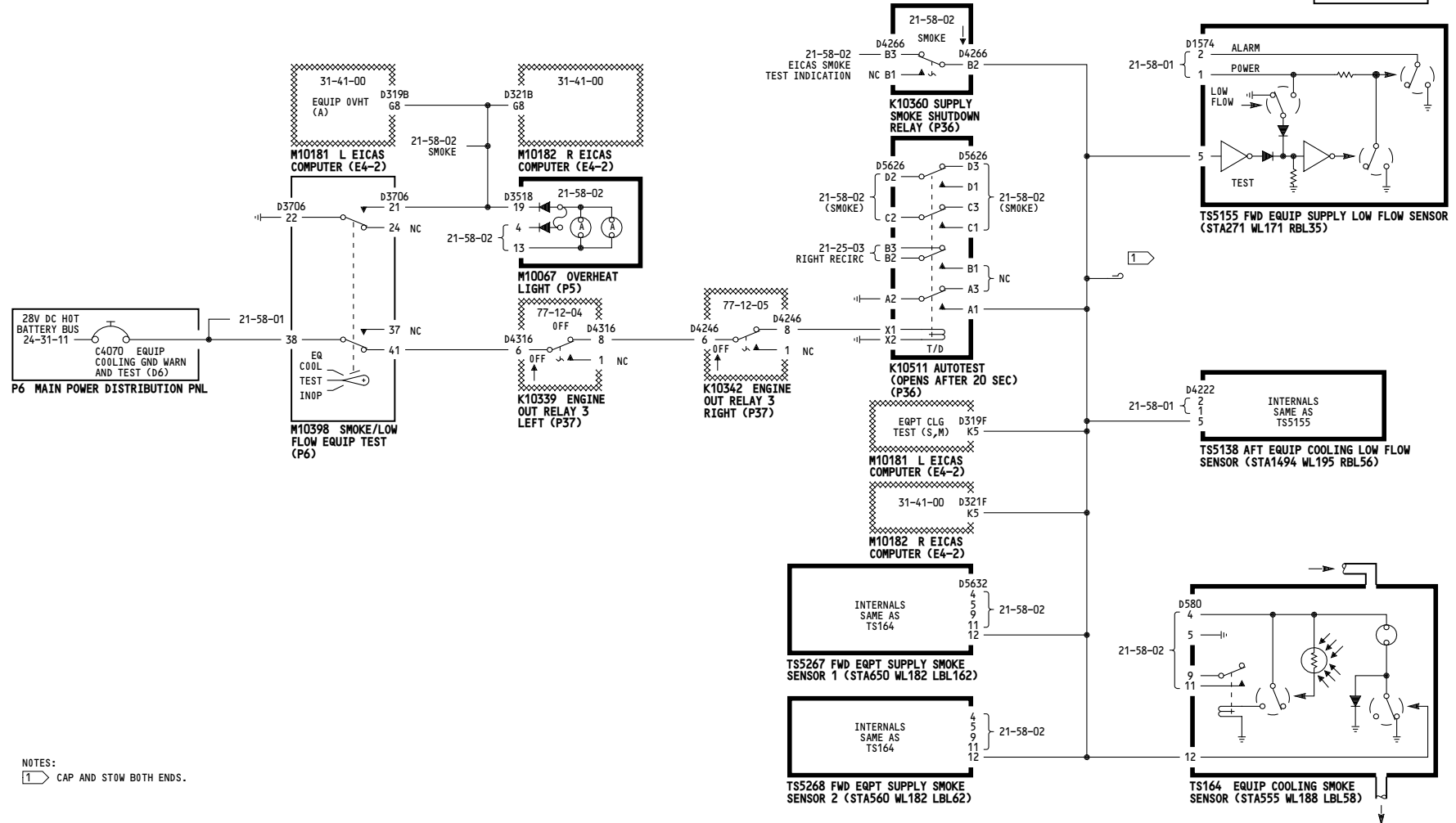
21-58-06

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WIRING DIAGRAMS
21-58-11
21-58-12

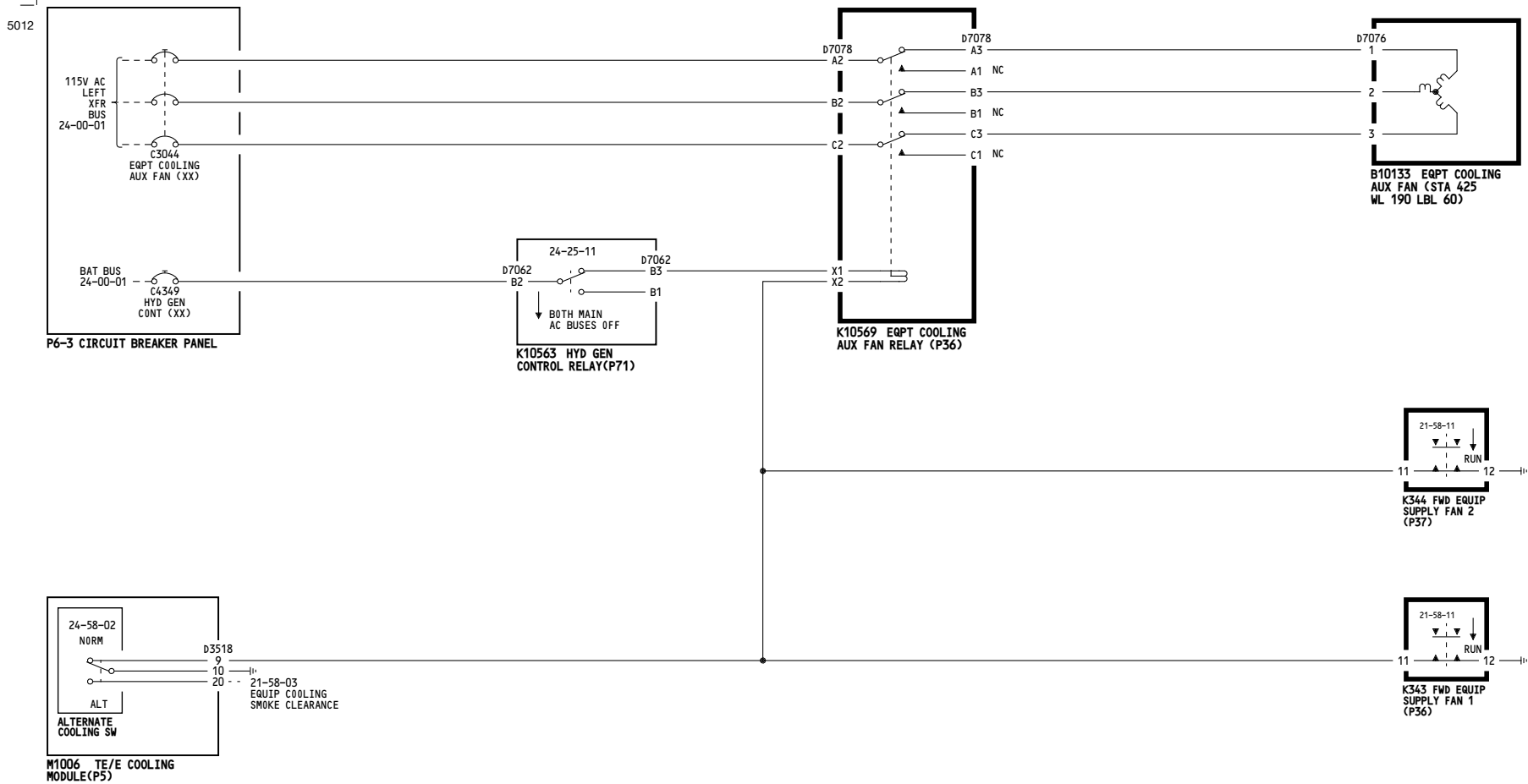


NOTES:
1 CAP AND STOW BOTH ENDS.

115	EQUIPMENT COOLING - AUTOMATIC TEST
	D280N032S

Incorporates
21-0061 R01

21-58-06



001-002, 115-199	<p>EQUIPMENT COOLING - AUXILIARY FAN</p> <p>D280N032S</p>
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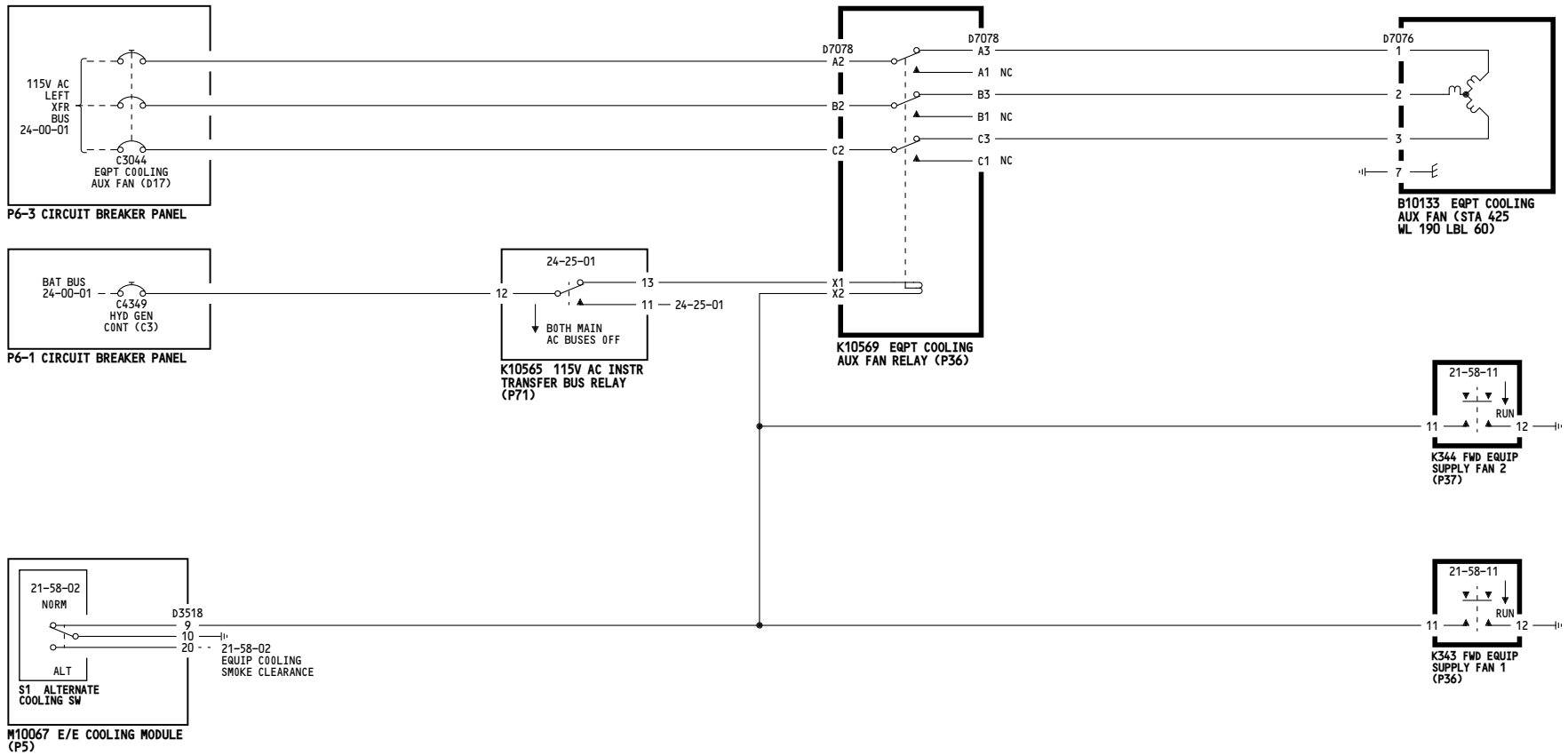
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WIRING DIAGRAMS
21-58-15
24-25-11



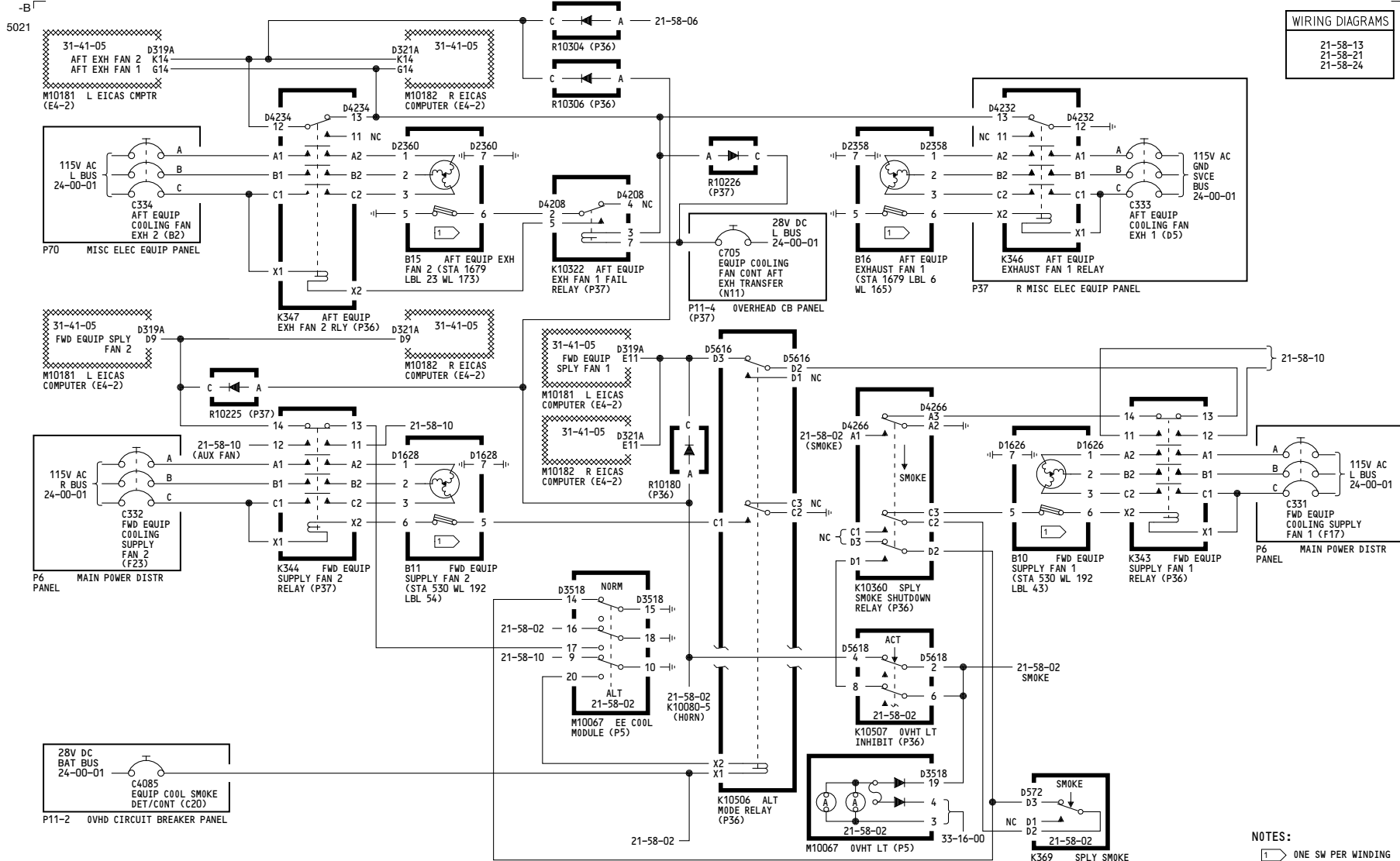
003-099	<p align="center">EQUIPMENT COOLING - AUXILIARY FAN</p> <p align="center">D280N032S</p>
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WIRING DIAGRAMS
21-58-13
21-58-21
21-58-24

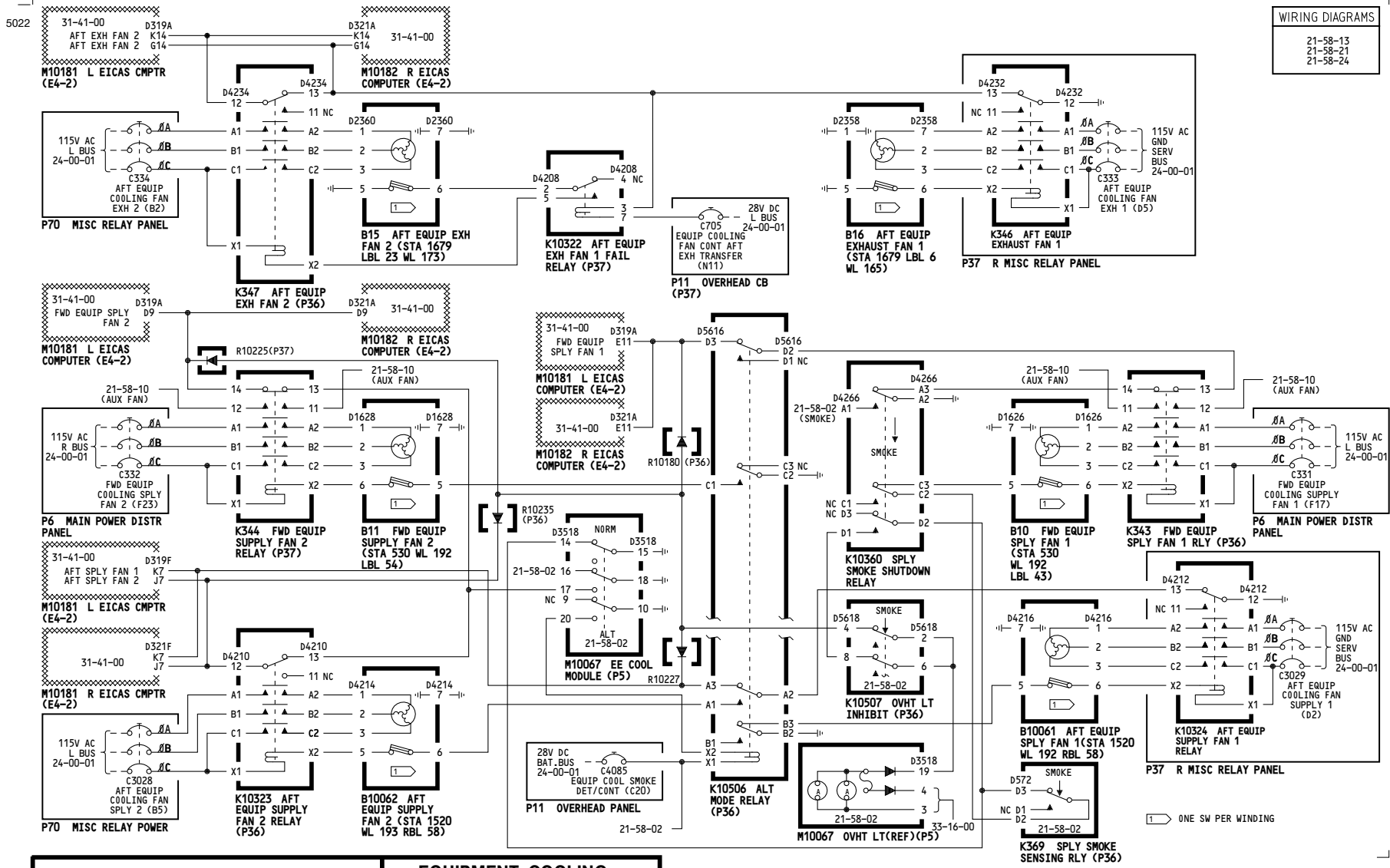


NOTES:
ONE SW PER WINDING

001-099	<p>EQUIPMENT COOLING - FANS</p> <p>D280N032S</p>
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21-58-11

WIRING DIAGRAMS
21-58-13
21-58-21
21-58-24



ONE SW PER WINDING

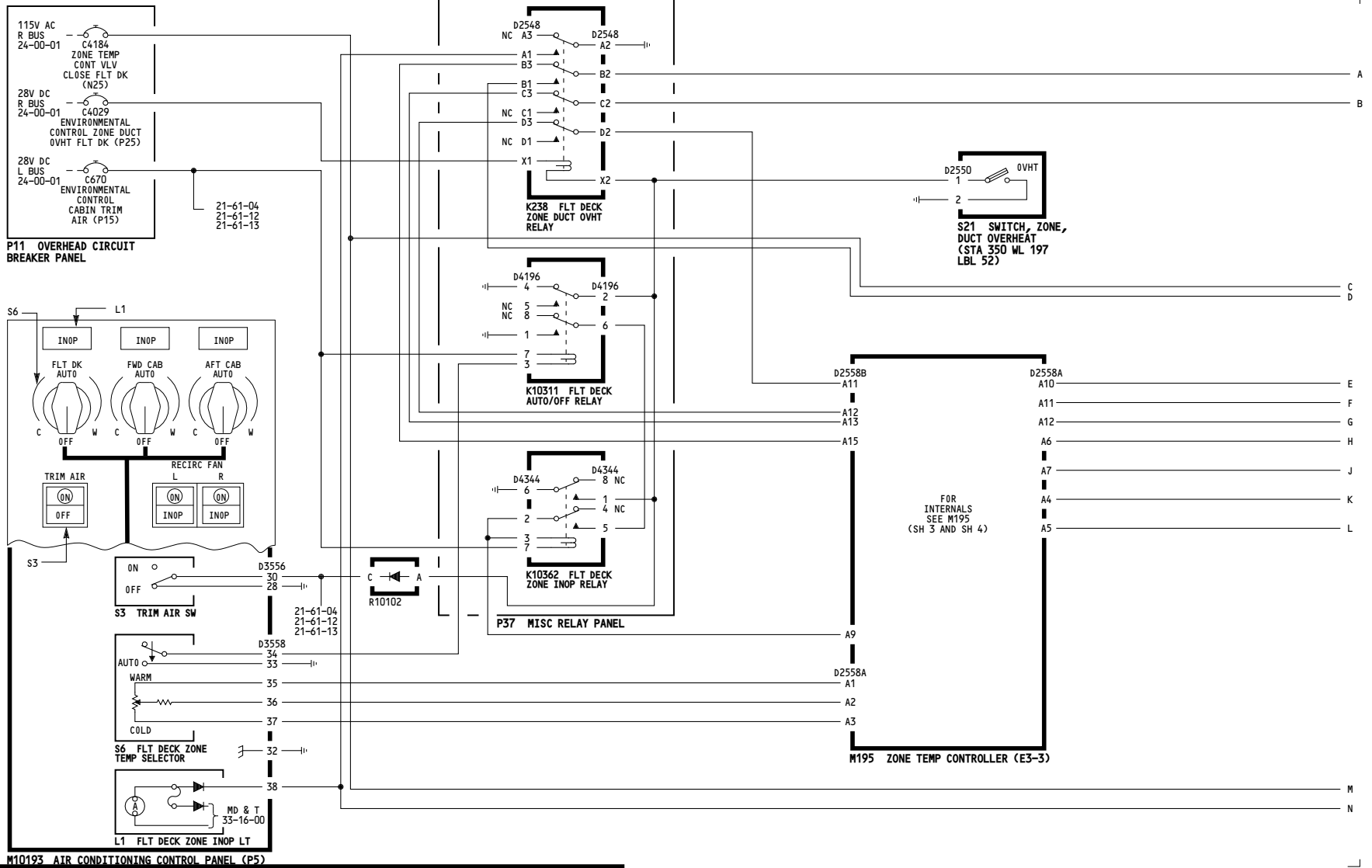
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EQUIPMENT COOLING - FANS

D280N032S

21-58-11

5017



001-099

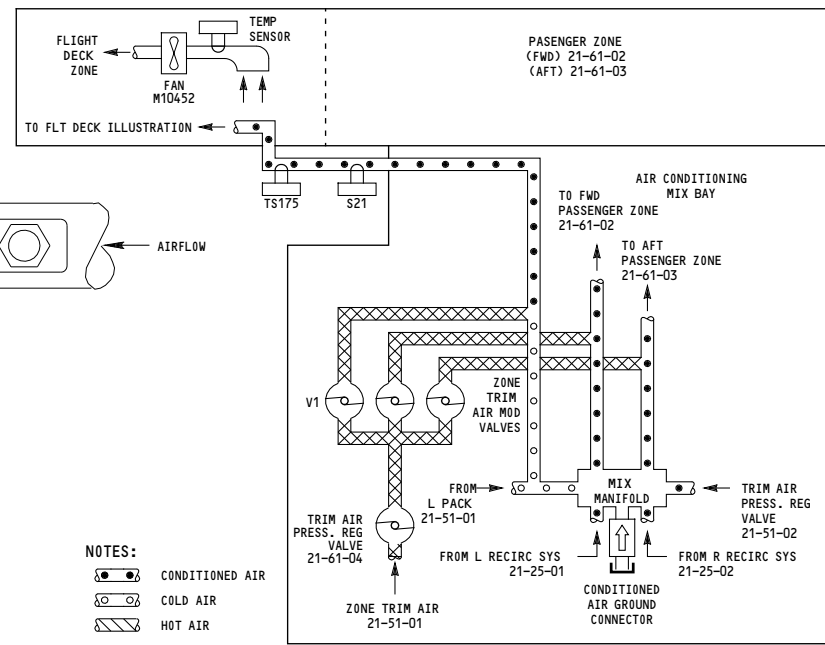
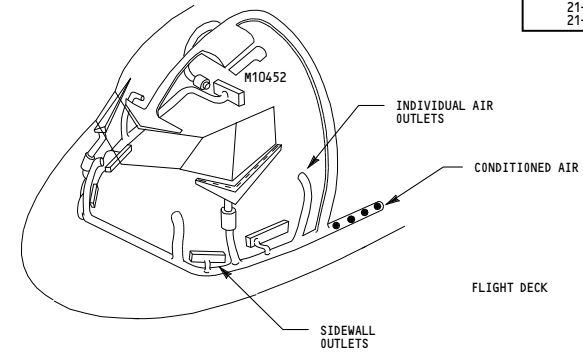
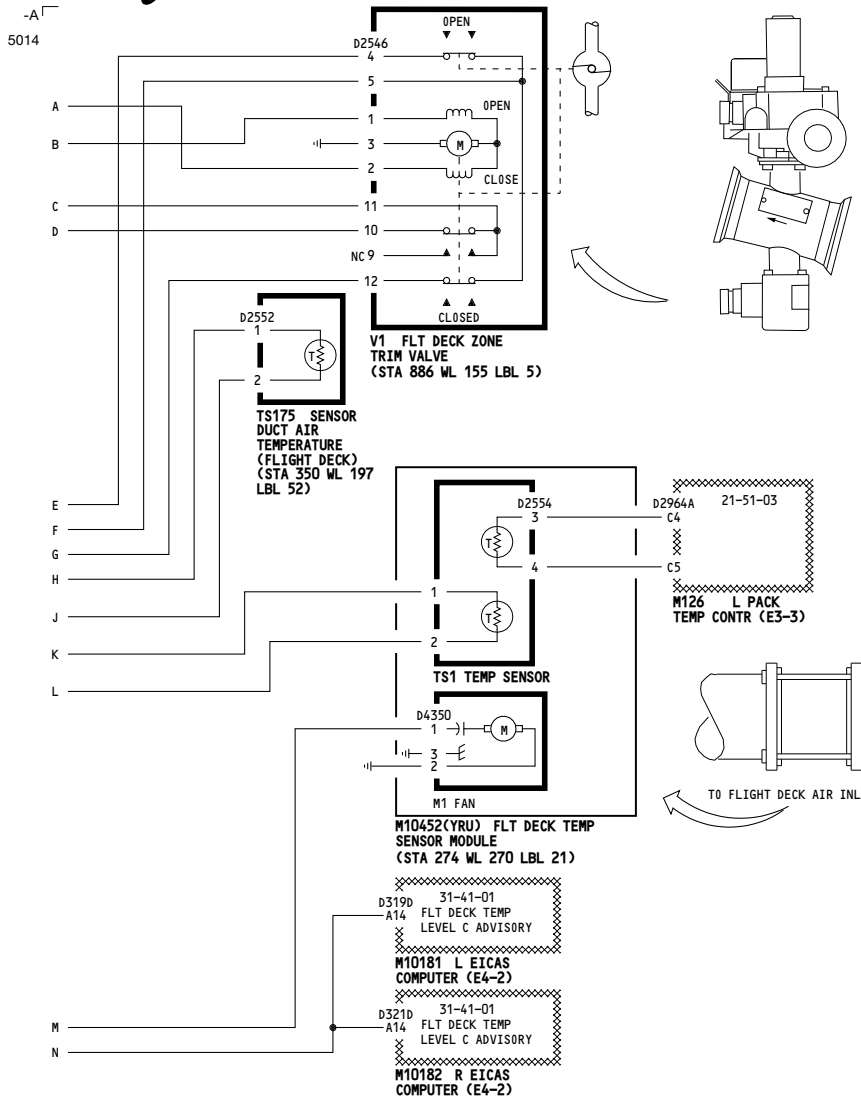
FLIGHT DECK ZONE TEMPERATURE CONTROL

D280N032S

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WIRING DIAGRAMS
21-61-51
21-61-11

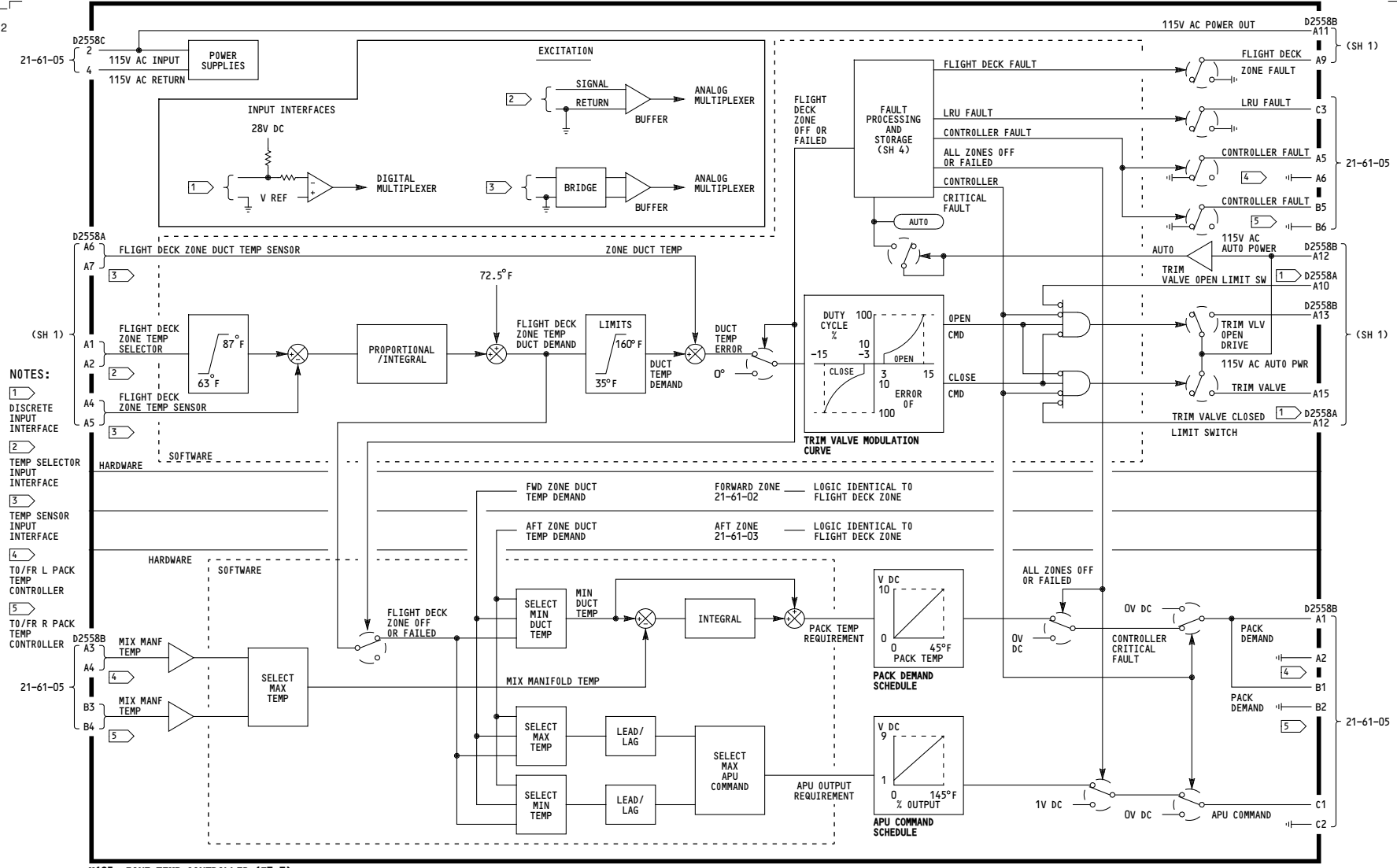


- NOTES:**
- CONDITIONED AIR
 - COLD AIR
 - HOT AIR

001-099	FLIGHT DECK ZONE TEMPERATURE CONTROL
D280N032S	

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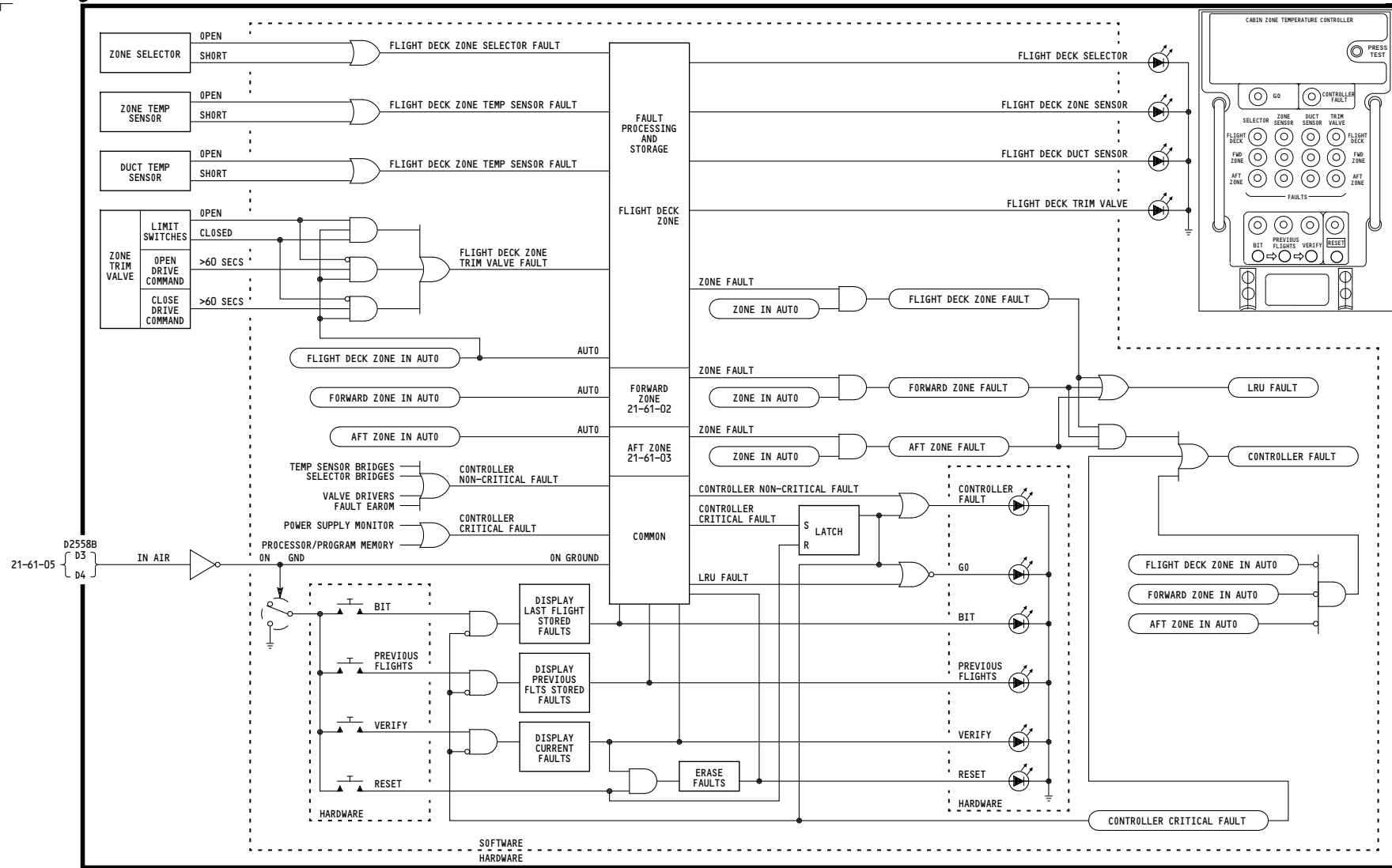
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001-099	FLIGHT DECK ZONE TEMPERATURE CONTROL
	D280N032S

21-61-01

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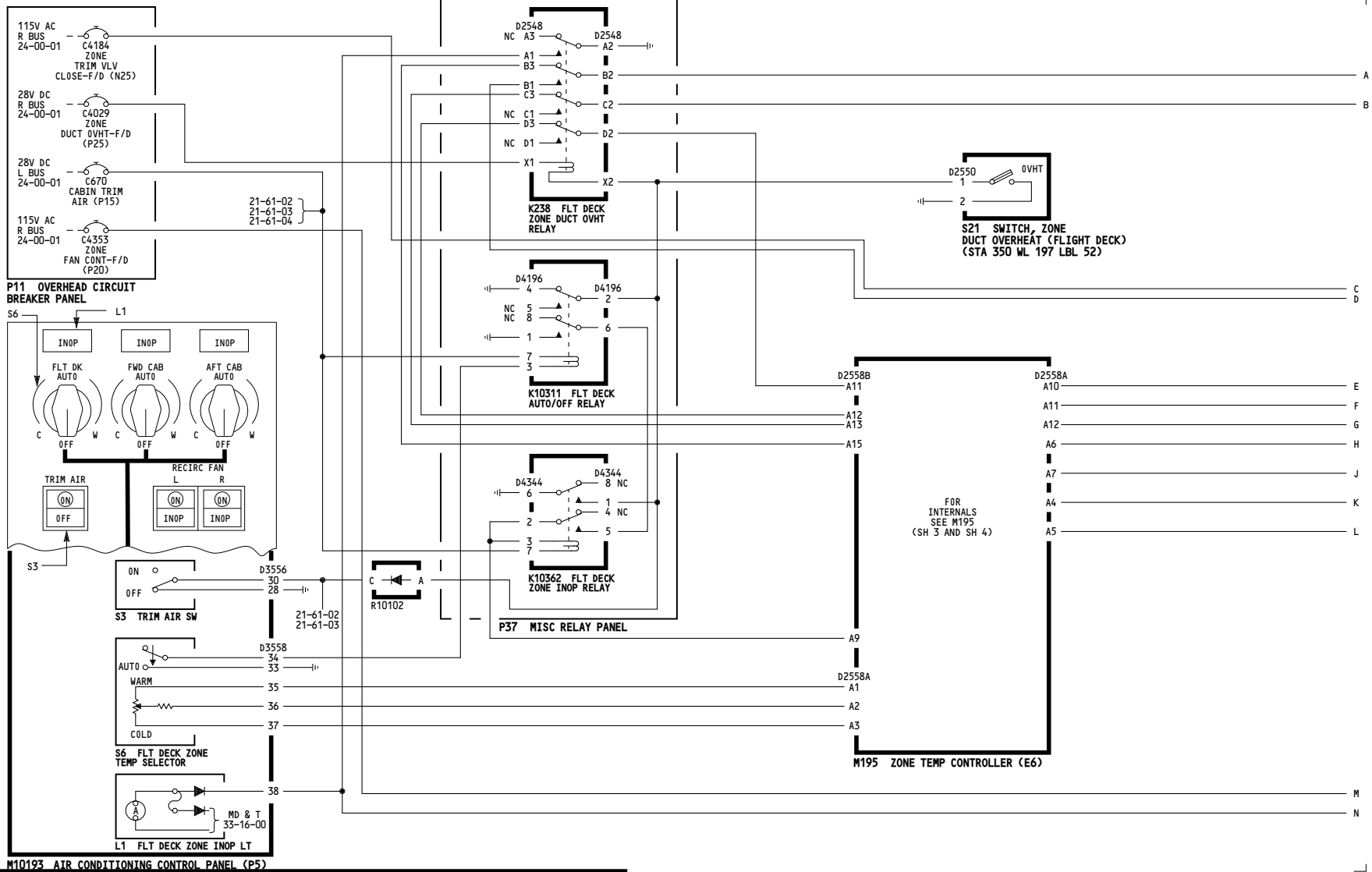


M195 ZONE TEMPERATURE CONTROLLER (E3-3)

<p>001-099</p>	<p>FLIGHT DECK ZONE TEMPERATURE CONTROL</p> <p>D280N032S</p>
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M10193 AIR CONDITIONING CONTROL PANEL (P5)

115-199

FLIGHT DECK ZONE TEMPERATURE CONTROL

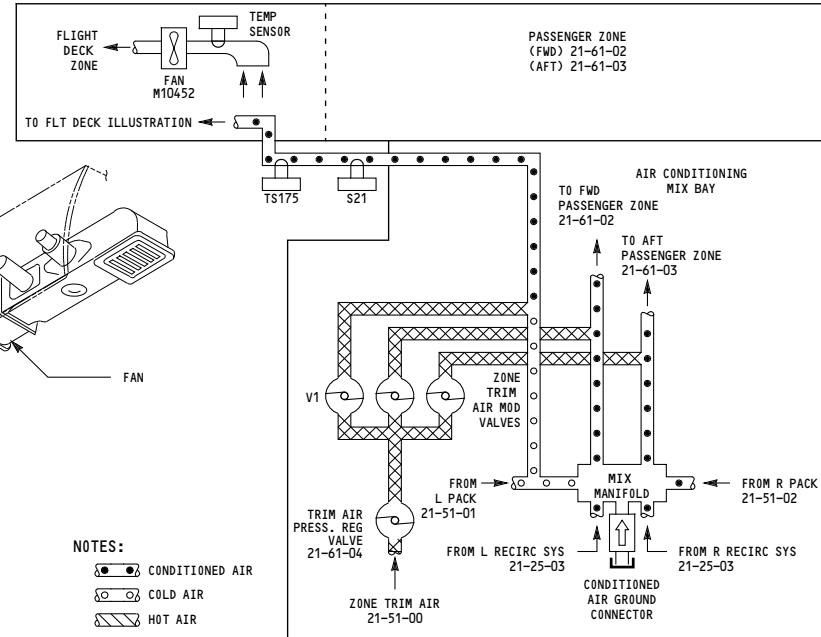
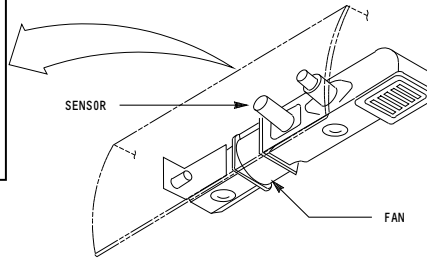
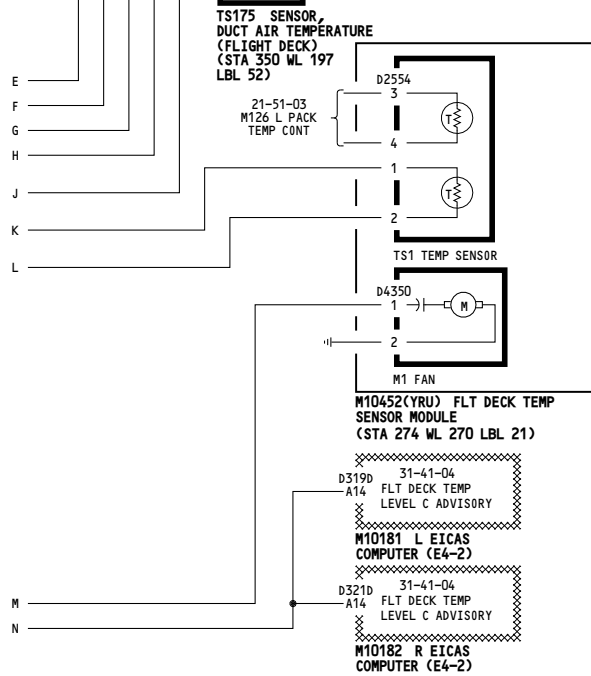
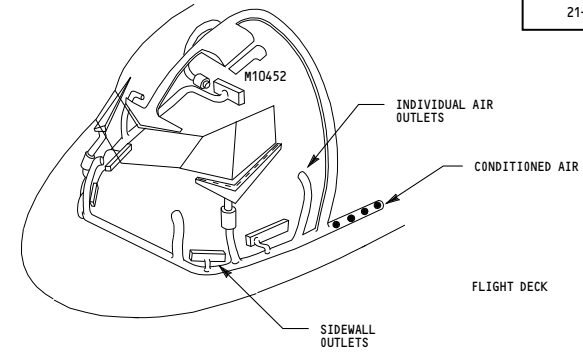
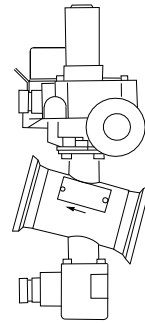
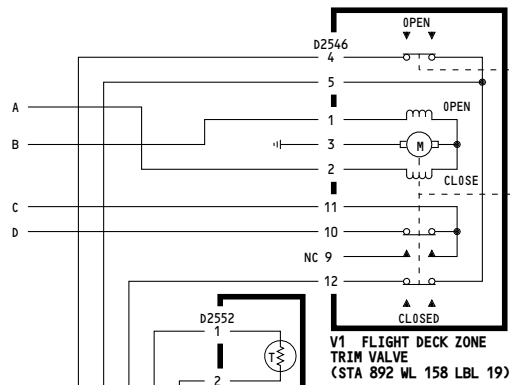
D280N032S

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WIRING DIAGRAMS
21-61-11

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- NOTES:**
- CONDITIONED AIR
 - COLD AIR
 - HOT AIR

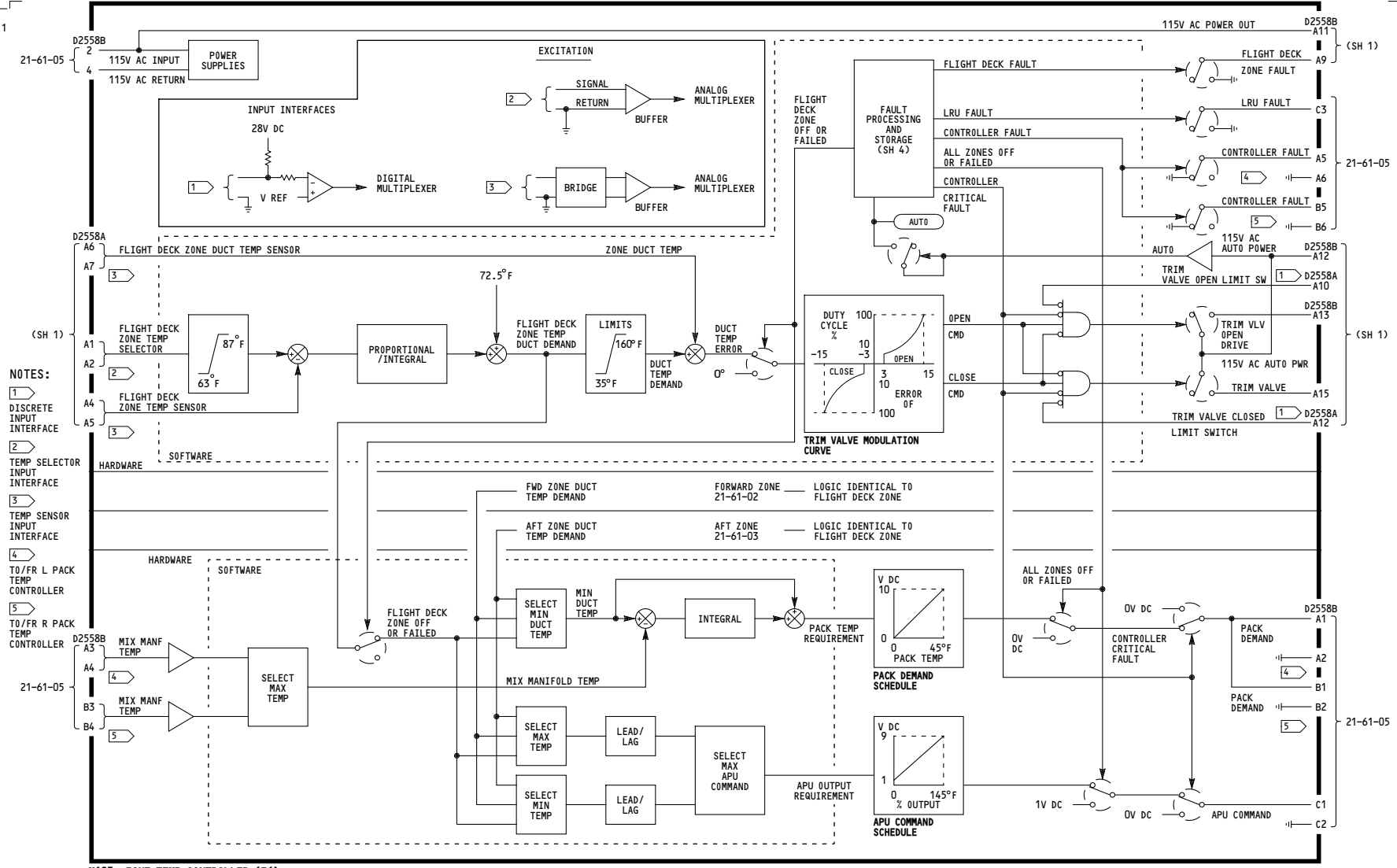
115-199

FLIGHT DECK ZONE TEMPERATURE CONTROL

D280N032S

21-61-01

5011

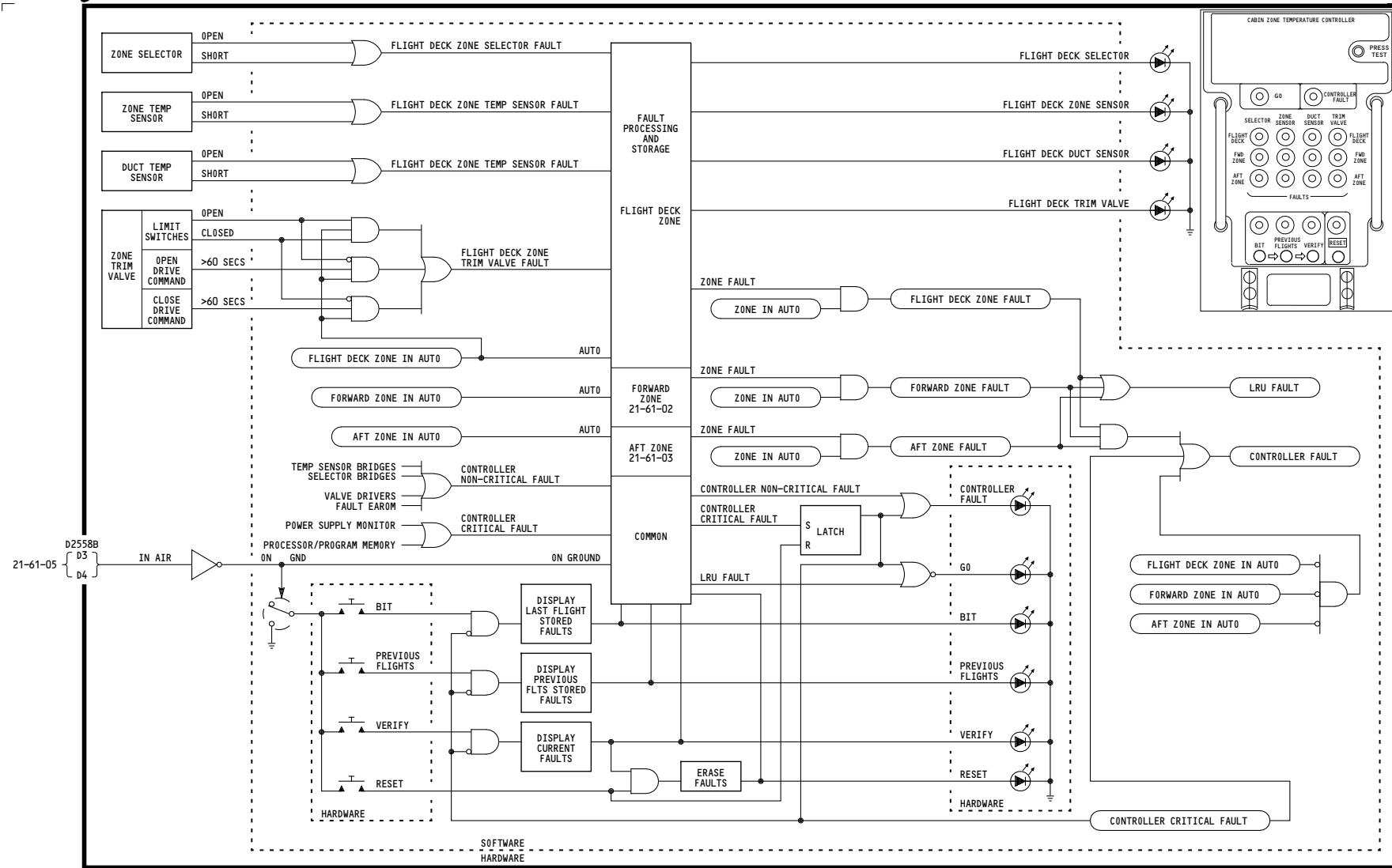


M195 ZONE TEMP CONTROLLER (E6)

115-199	<p>FLIGHT DECK ZONE TEMPERATURE CONTROL</p> <p>D280N032S</p>

21-61-01

5011

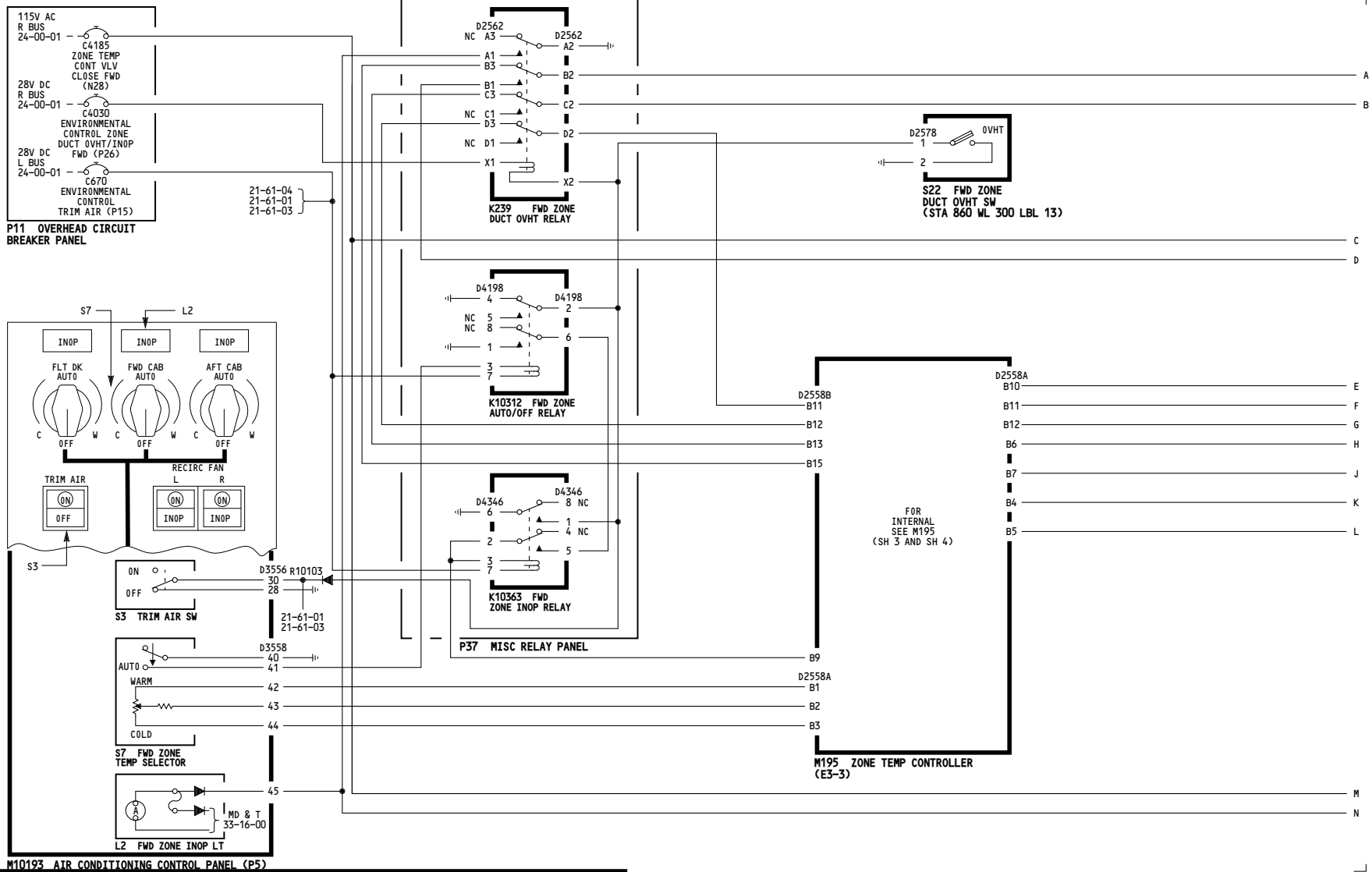


M195 ZONE TEMPERATURE CONTROLLER (E6)

<p>115-199</p>	<p>FLIGHT DECK ZONE TEMPERATURE CONTROL</p> <p>D280N032S</p>
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21-61-01

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001-099

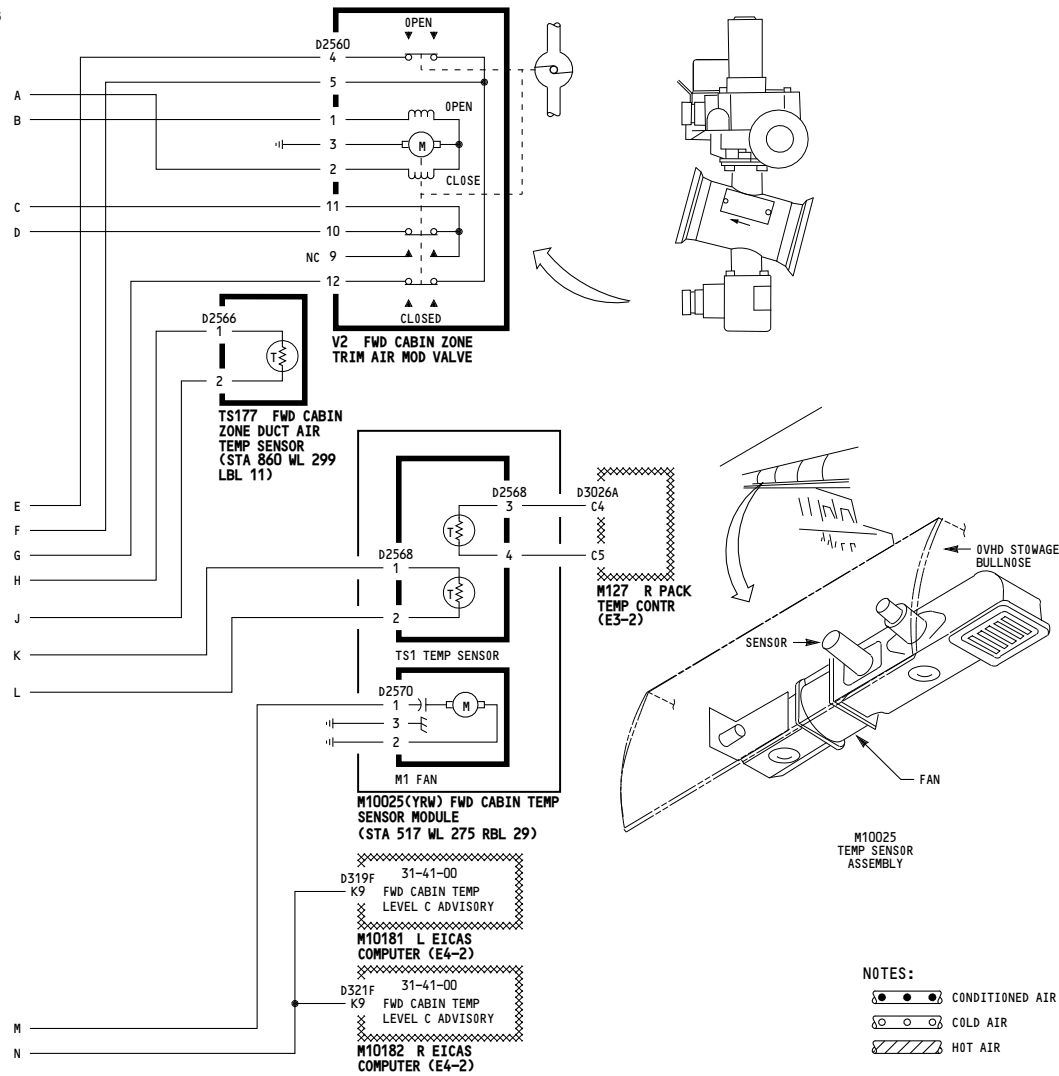
FORWARD PASSENGER CABIN ZONE TEMPERATURE CONTROL

D280N032S

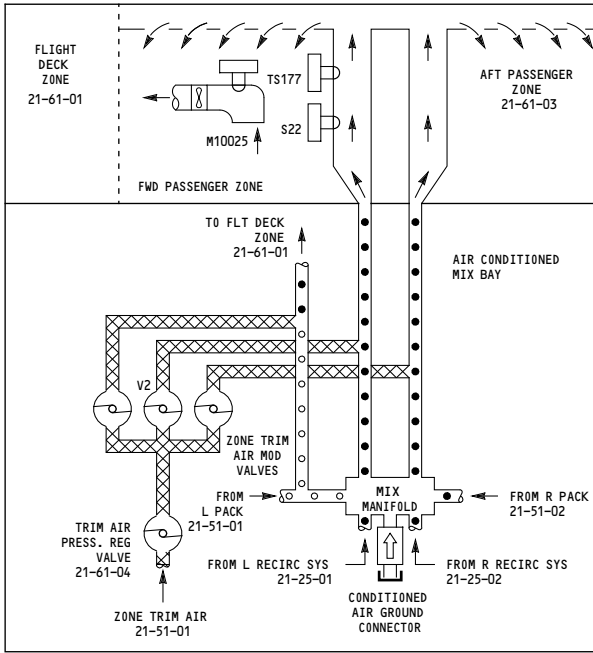
21-61-02

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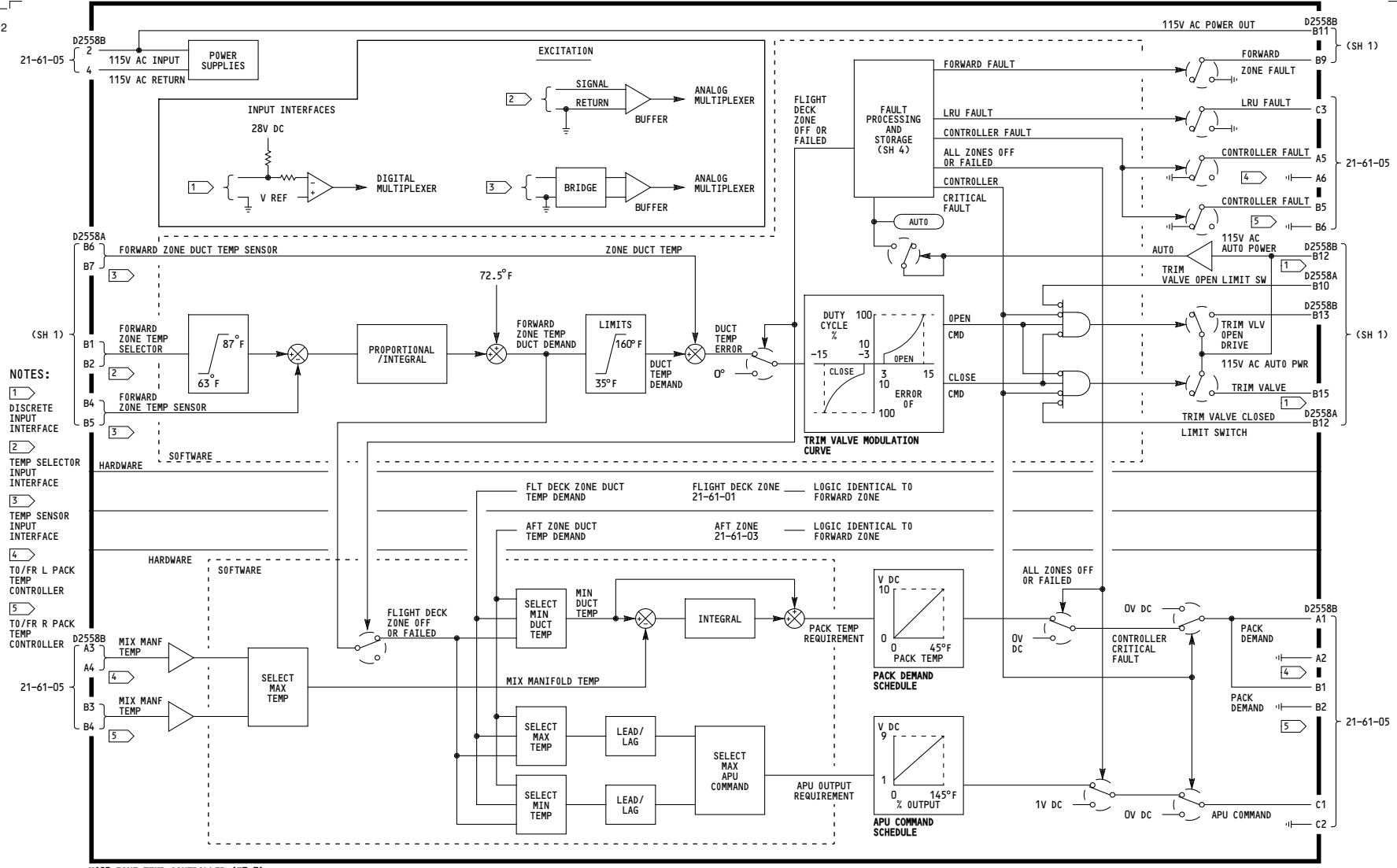
- NOTES:**
- CONDITIONED AIR
 - COLD AIR
 - HOT AIR



001-099	FORWARD PASSENGER CABIN ZONE TEMPERATURE CONTROL
D280N032S	

21-61-02

5012

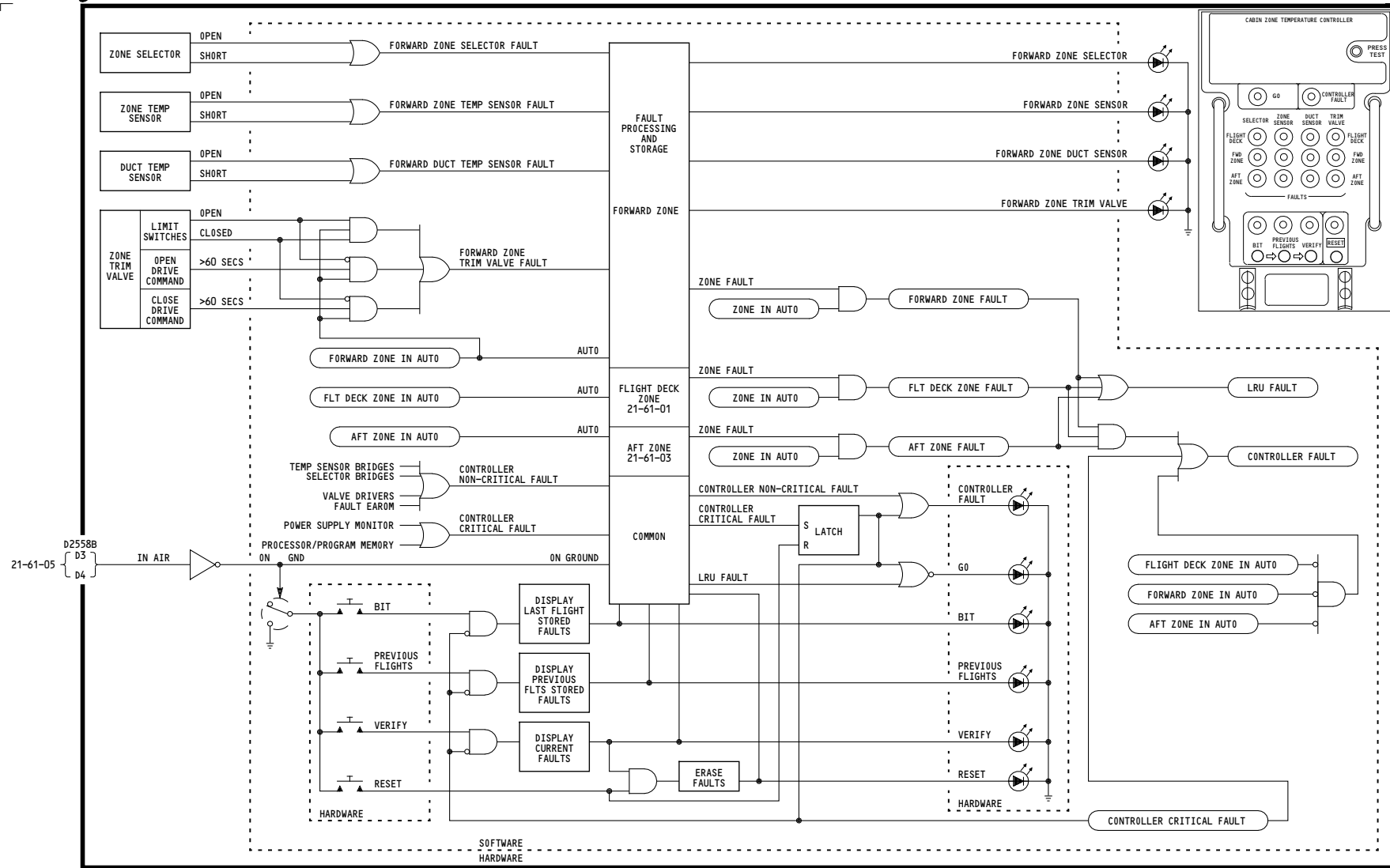


M195 ZONE TEMP CONTROLLER (E3-3)

001-099	<p align="center">FORWARD PASSENGER CABIN ZONE TEMPERATURE CONTROL</p> <p align="center">D280N032S</p>
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21-61-02

5012



001-099

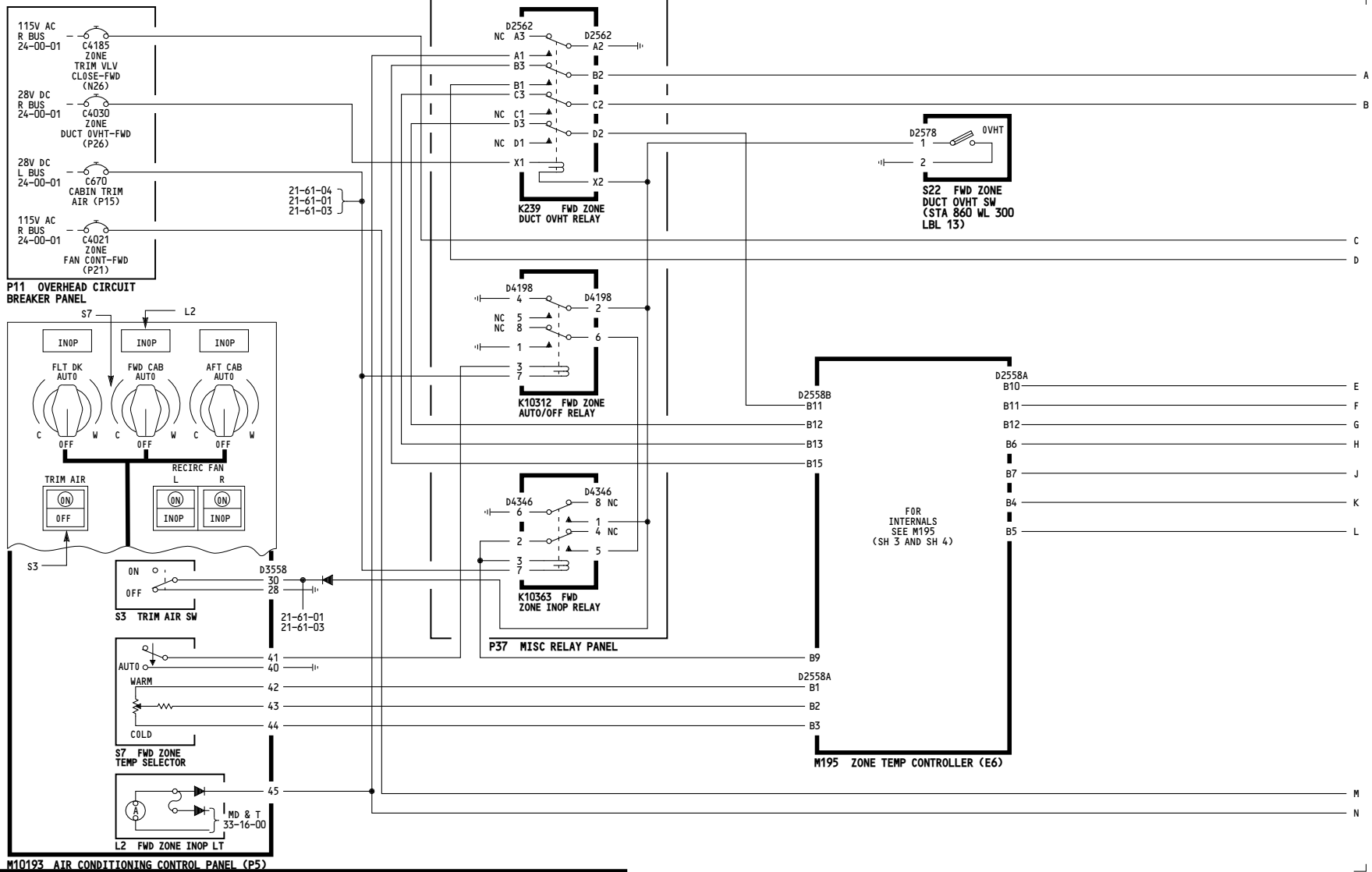
**FORWARD PASSENGER CABIN
ZONE TEMPERATURE CONTROL**

D280N032S

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115-199

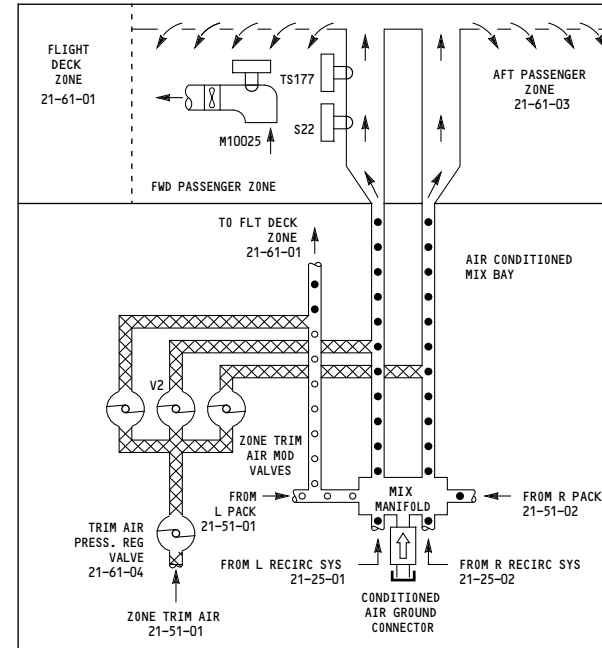
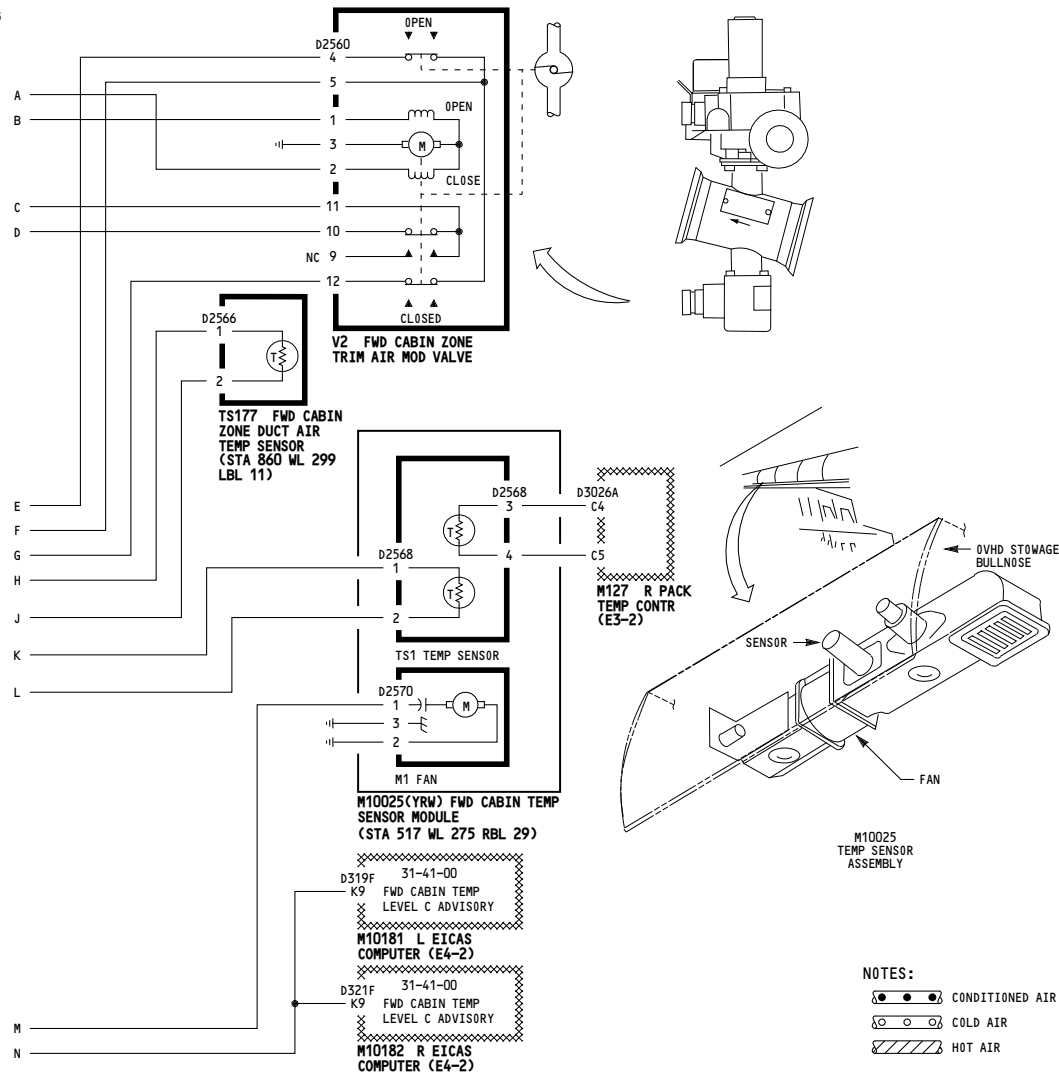
FORWARD PASSENGER CABIN ZONE TEMPERATURE CONTROL

D280N032S

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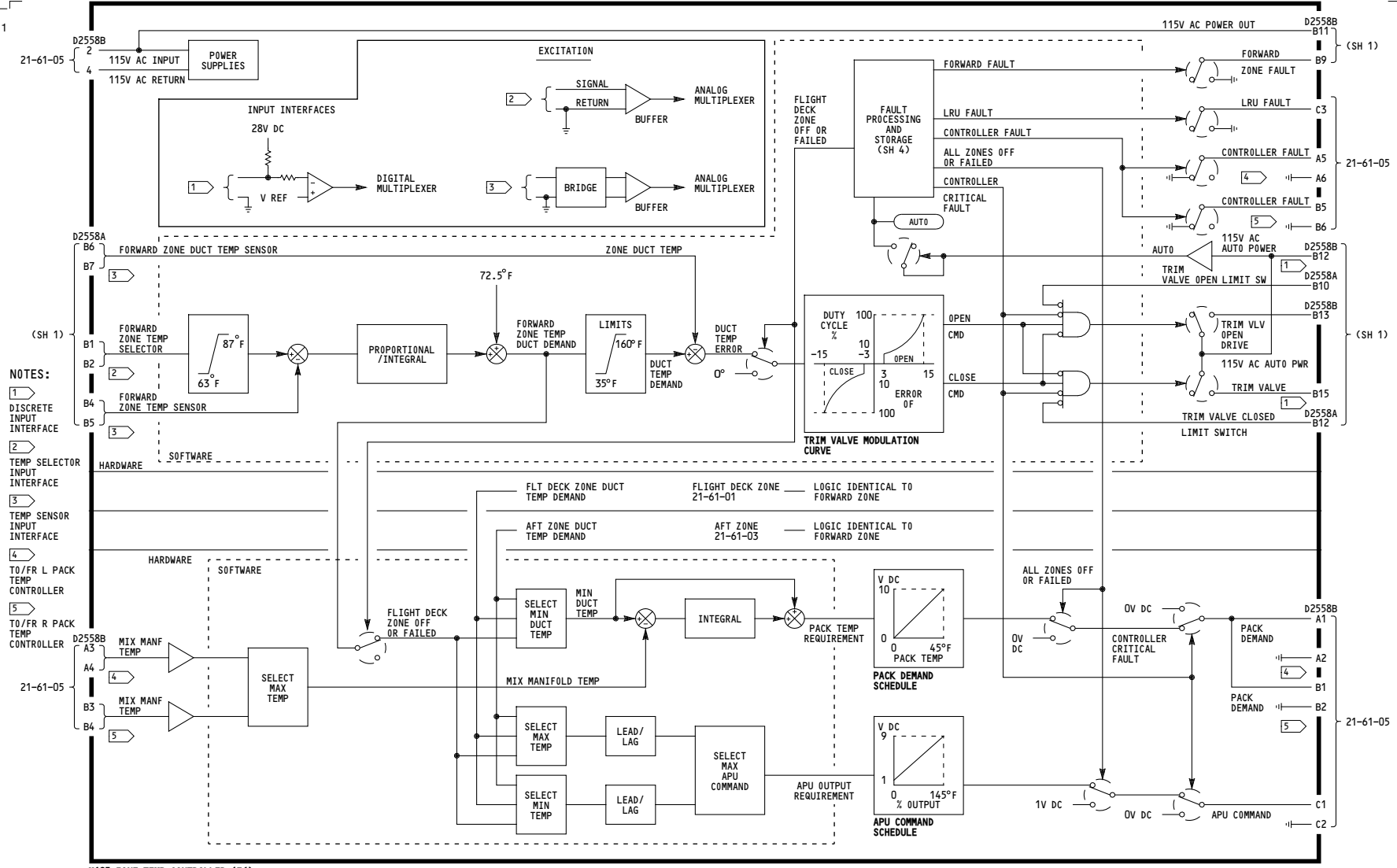
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115-199	FORWARD PASSENGER CABIN ZONE TEMPERATURE CONTROL
	D280N032S

21-61-02

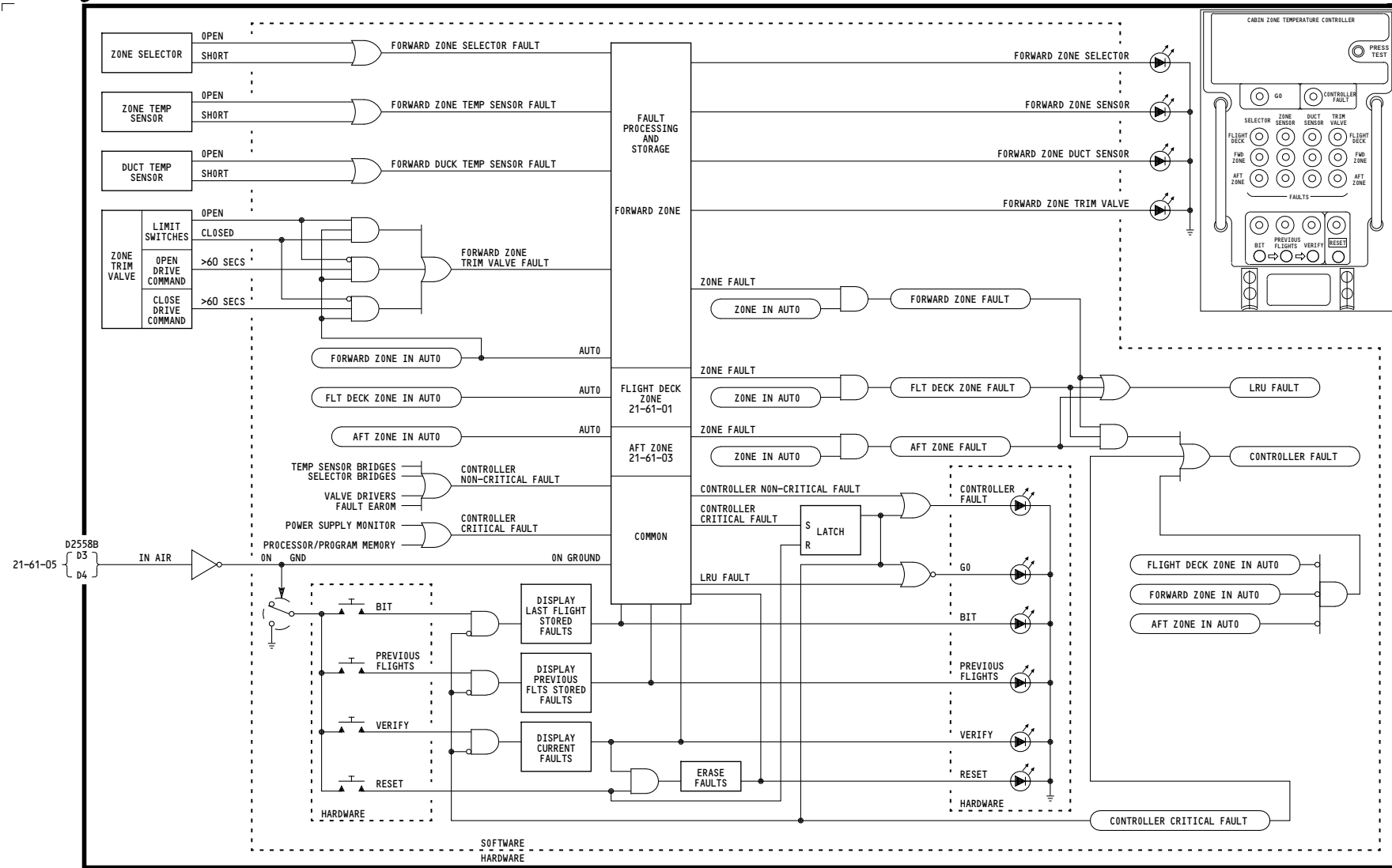
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115-199	FORWARD PASSENGER CABIN ZONE TEMPERATURE CONTROL
D280N032S	

21-61-02

5011



M195 ZONE TEMPERATURE CONTROLLER (E6)

115-199

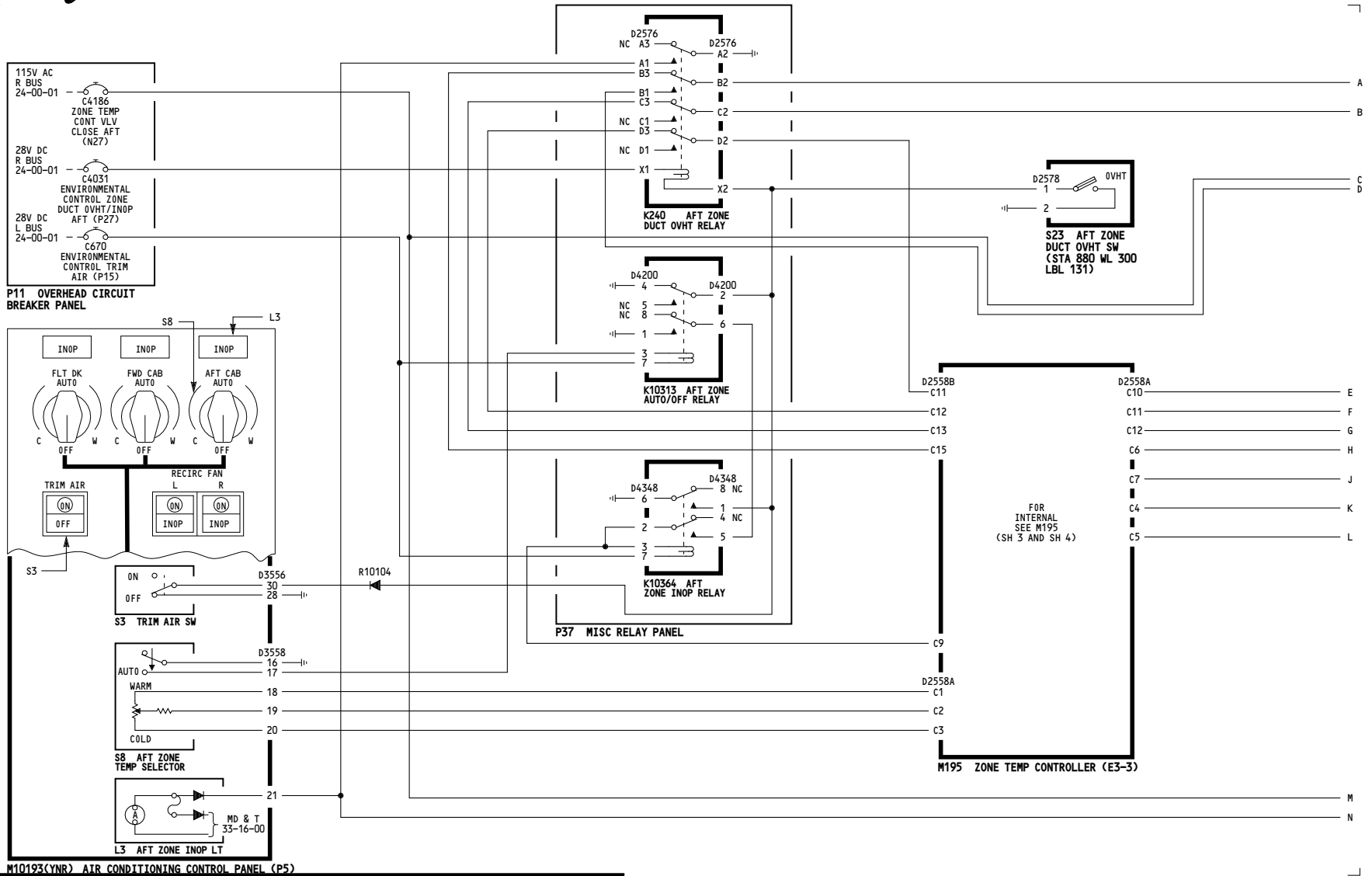
**FORWARD PASSENGER CABIN
ZONE TEMPERATURE CONTROL**

D280N032S

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M10193(CYNR) AIR CONDITIONING CONTROL PANEL (P5)

001-099

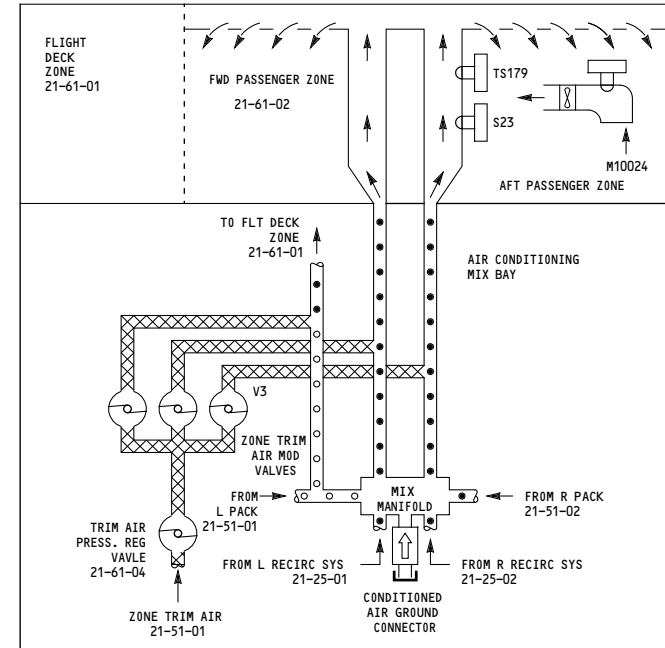
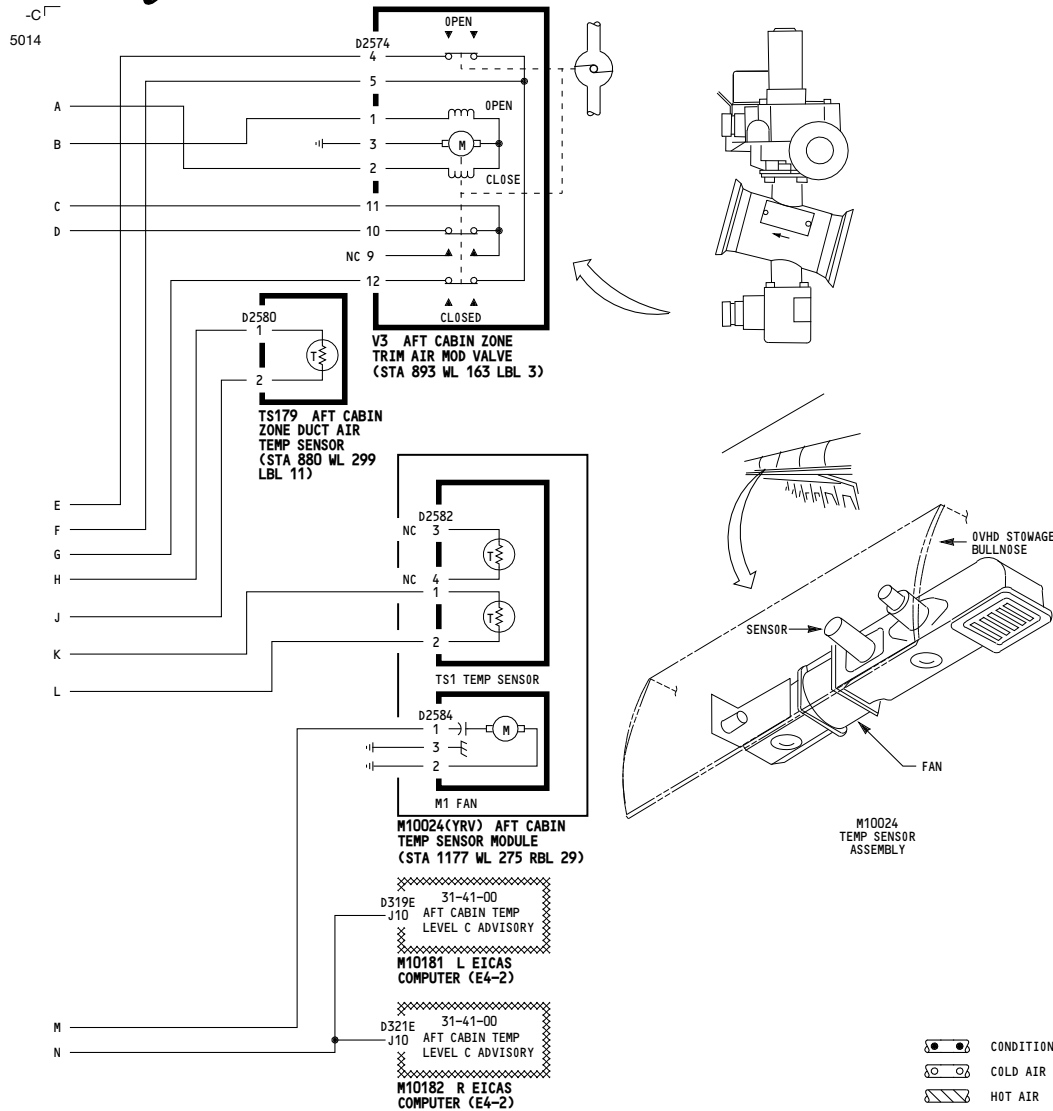
**AFT PASSENGER CABIN
ZONE TEMPERATURE CONTROL**

D280N032S

21-61-03

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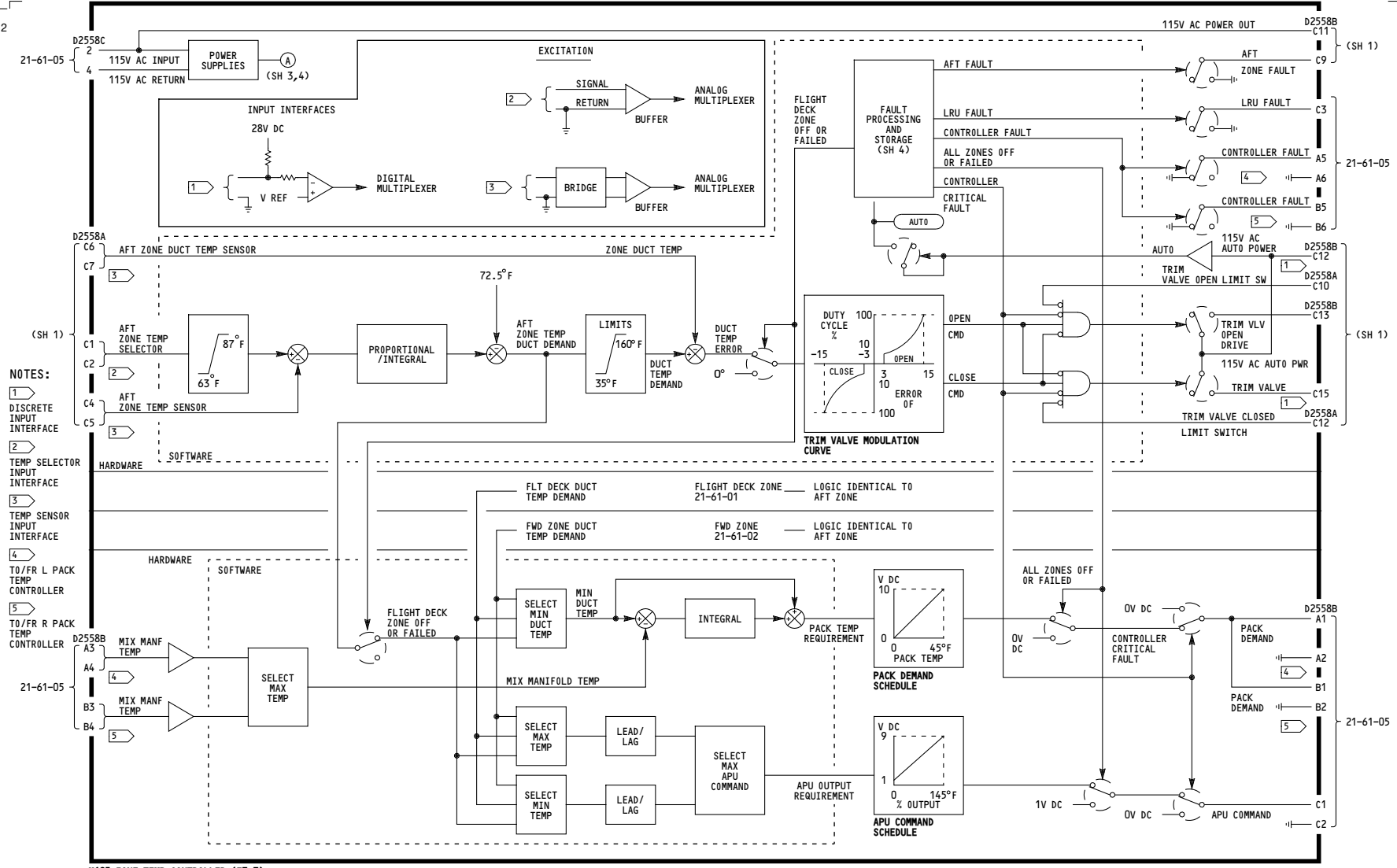
WIRING DIAGRAMS
21-61-31



001-099	<p align="center">AFT PASSENGER CABIN ZONE TEMPERATURE CONTROL</p> <p align="center">D280N032S</p>
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21-61-03

5012



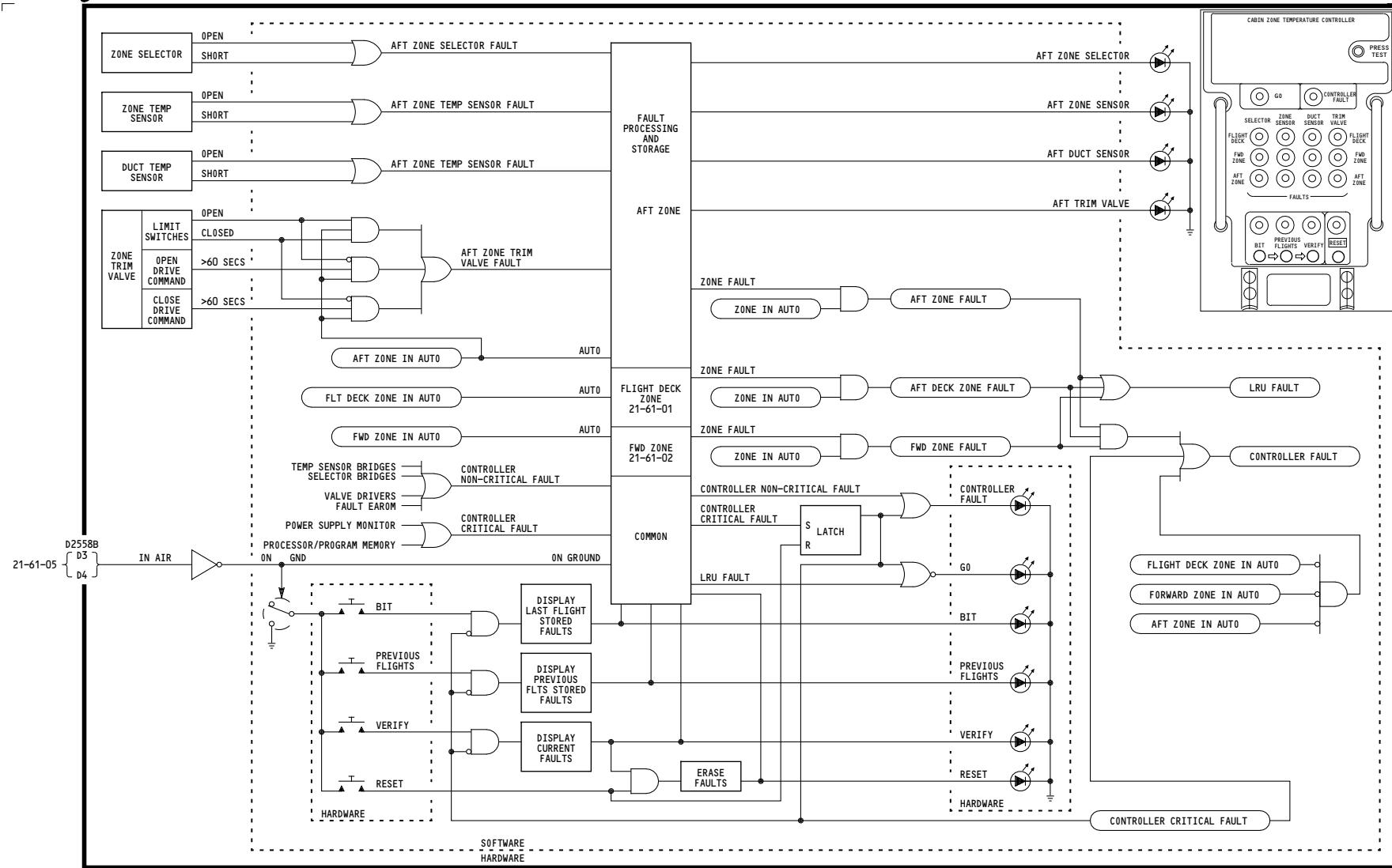
- NOTES:**
- 1 DISCRETE INPUT INTERFACE
 - 2 TEMP SELECTOR INPUT INTERFACE
 - 3 TEMP SENSOR INPUT INTERFACE
 - 4 TO/FR L PACK TEMP CONTROLLER
 - 5 TO/FR R PACK TEMP CONTROLLER

M195 ZONE TEMP CONTROLLER (E3-3)

001-099	AFT PASSENGER CABIN ZONE TEMPERATURE CONTROL
D280N032S	

21-61-03

5012

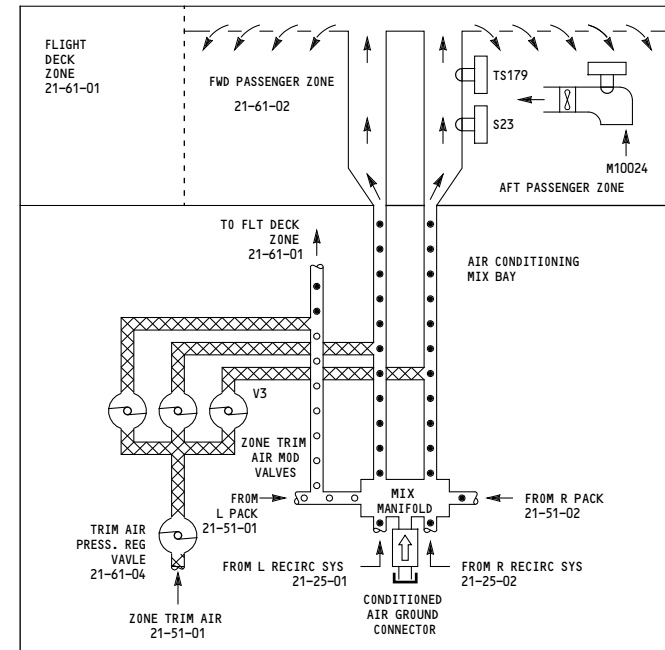
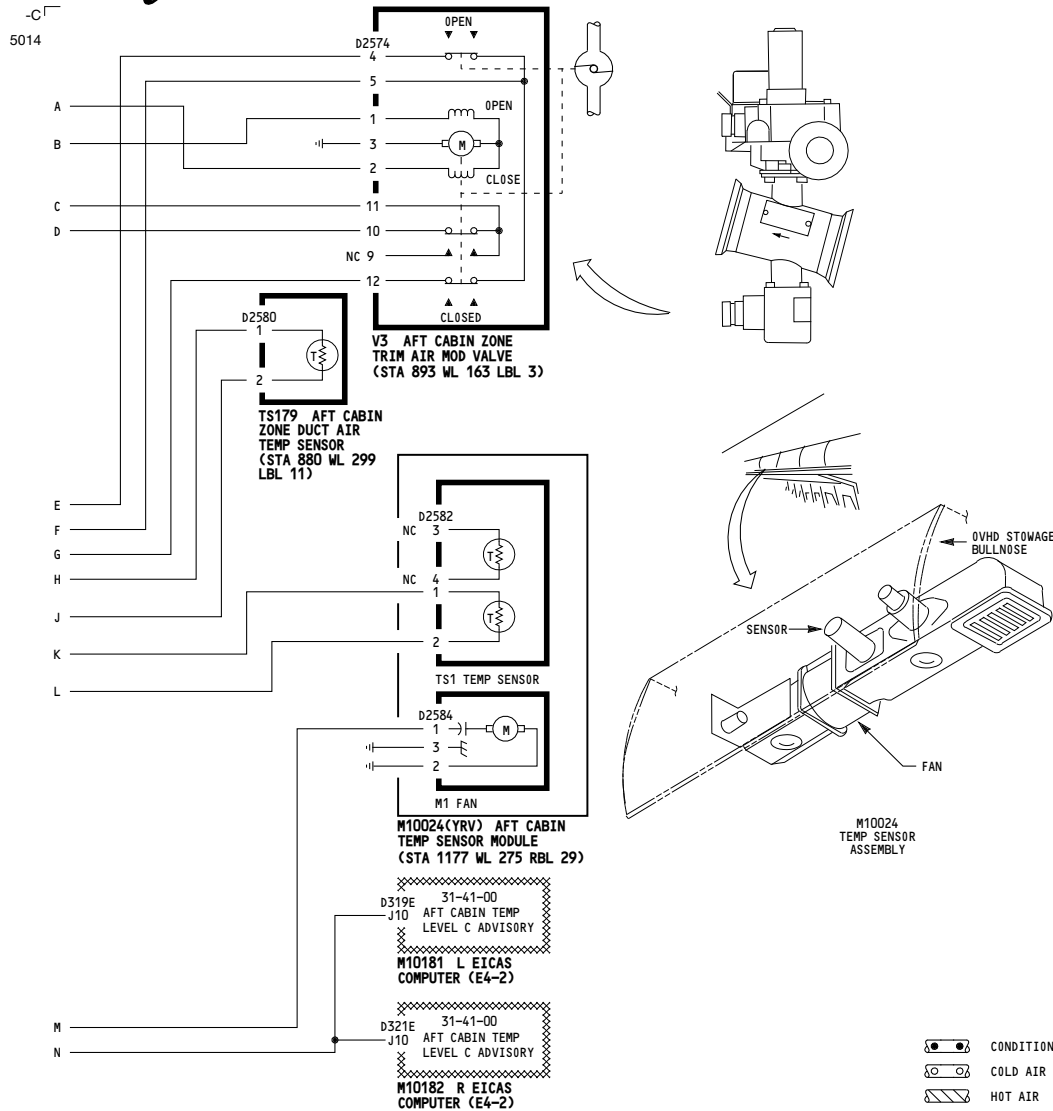


M195 ZONE TEMPERATURE CONTROLLER (E3-3)

001-099	<p>AFT PASSENGER CABIN ZONE TEMPERATURE CONTROL</p> <p>D280N032S</p>
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21-61-03

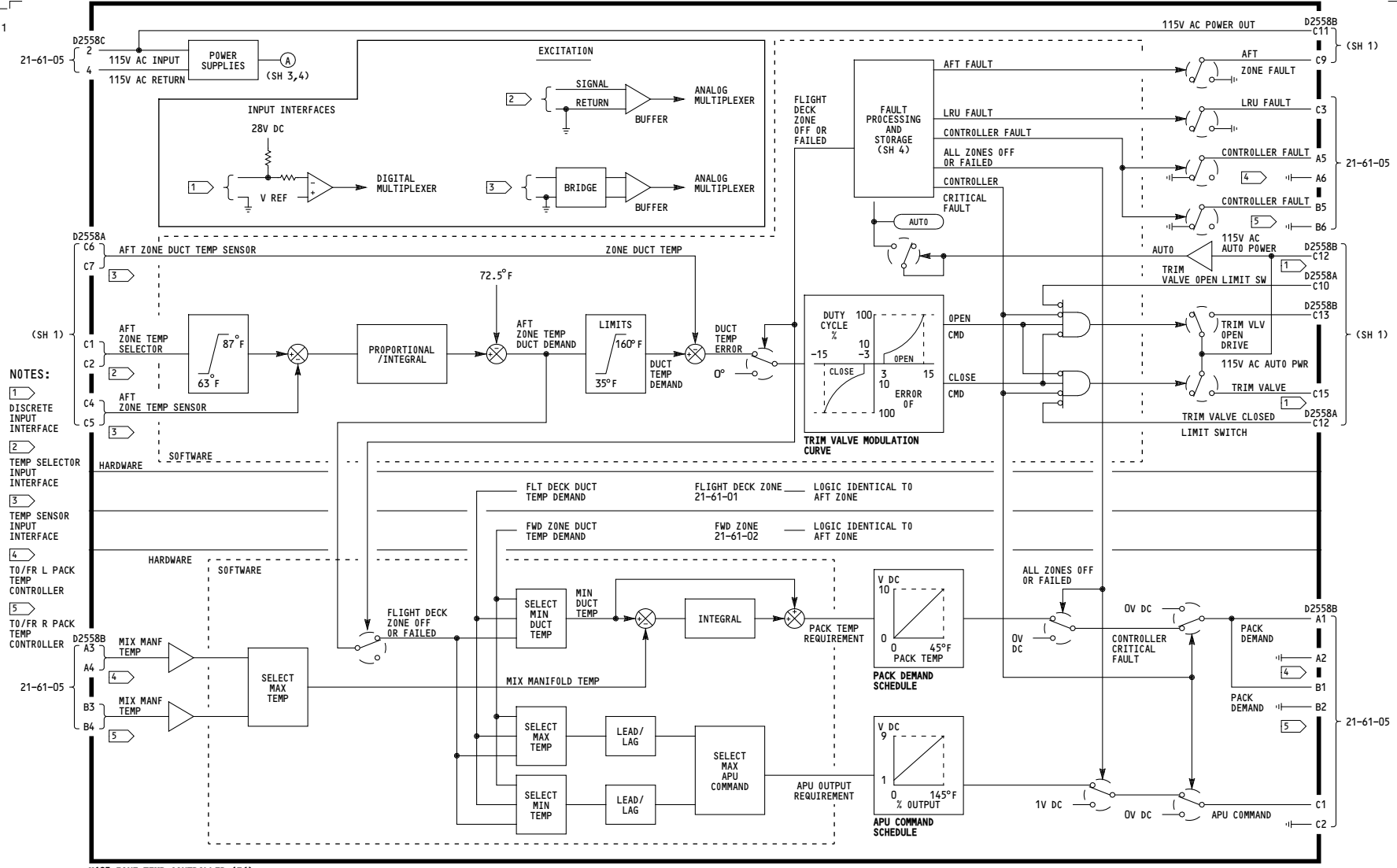
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115-199	AFT PASSENGER CABIN ZONE TEMPERATURE CONTROL
	D280N032S

21-61-03

5011



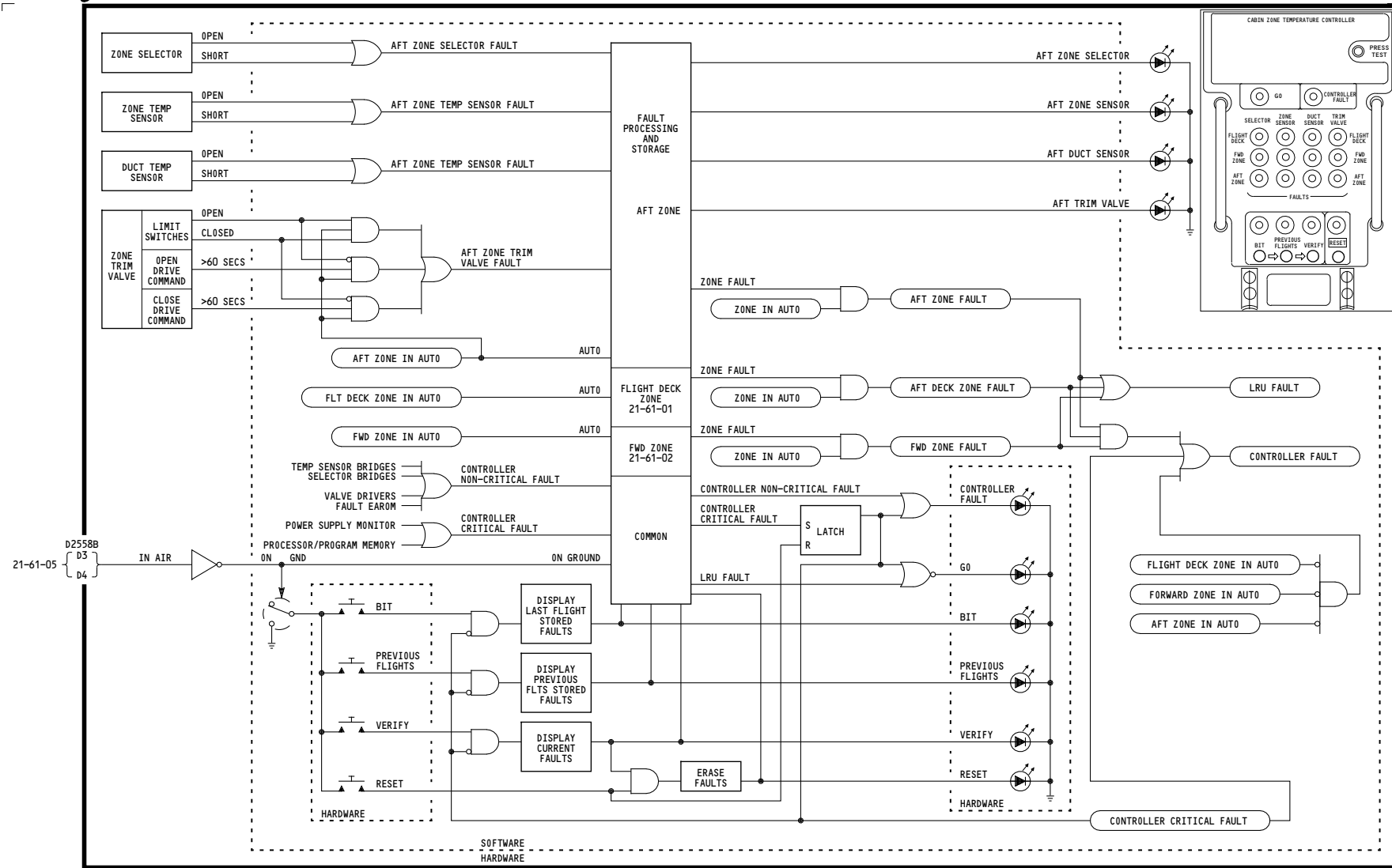
115-199

**AFT PASSENGER CABIN
ZONE TEMPERATURE CONTROL**

D280N032S

21-61-03

5011



M195 ZONE TEMPERATURE CONTROLLER (E6)

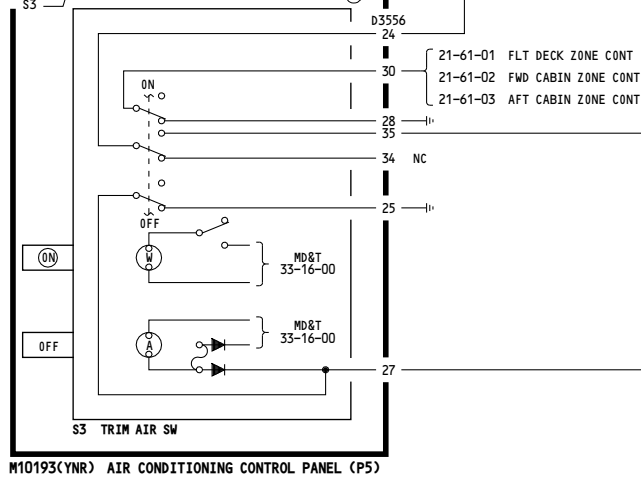
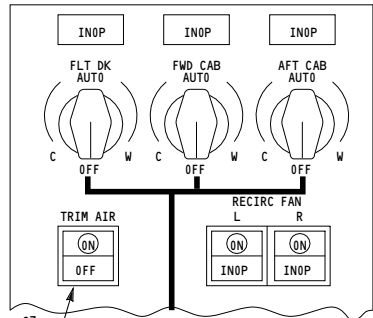
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21-61-03

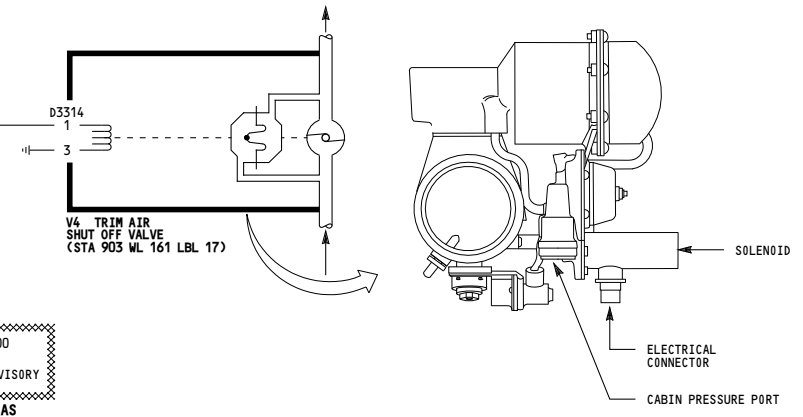
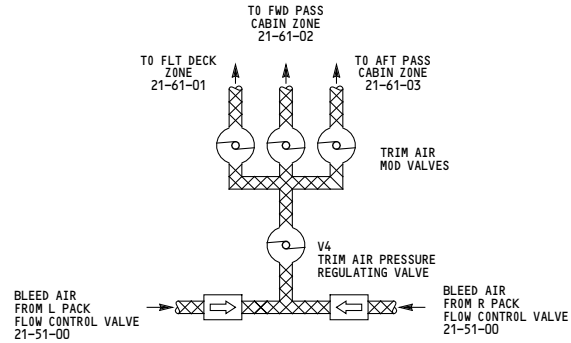
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P11 OVHD CIRCUIT BREAKER PANEL



M10193(YNR) AIR CONDITIONING CONTROL PANEL (P5)

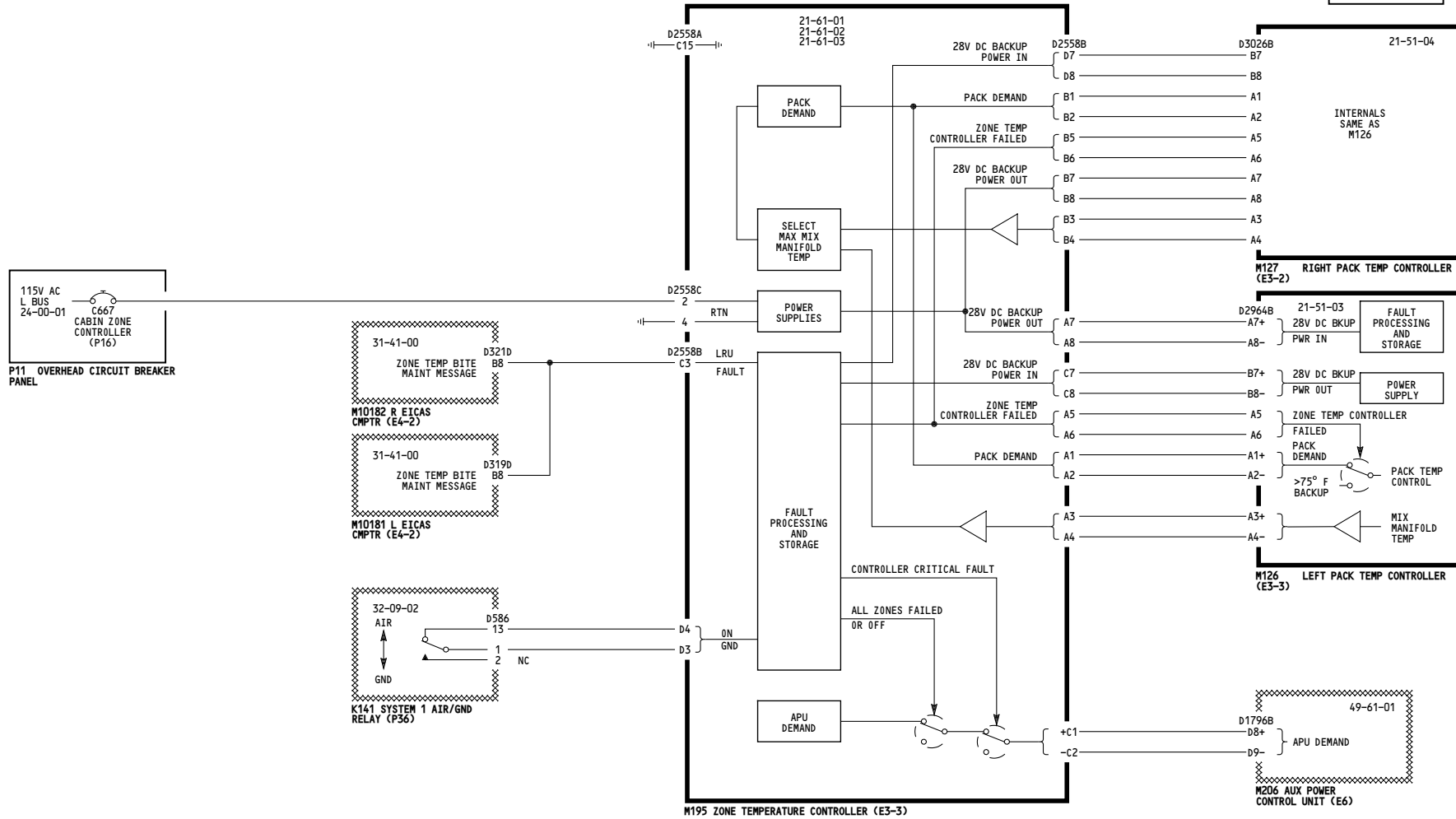


NOTES:
 HOT AIR

ALL	TRIM AIR PRESSURE REGULATION
	D280N032S

-A
5011

WIRING DIAGRAMS
21-61-51



001-099	ZONE TEMPERATURE CONTROLLER
	D280N032S

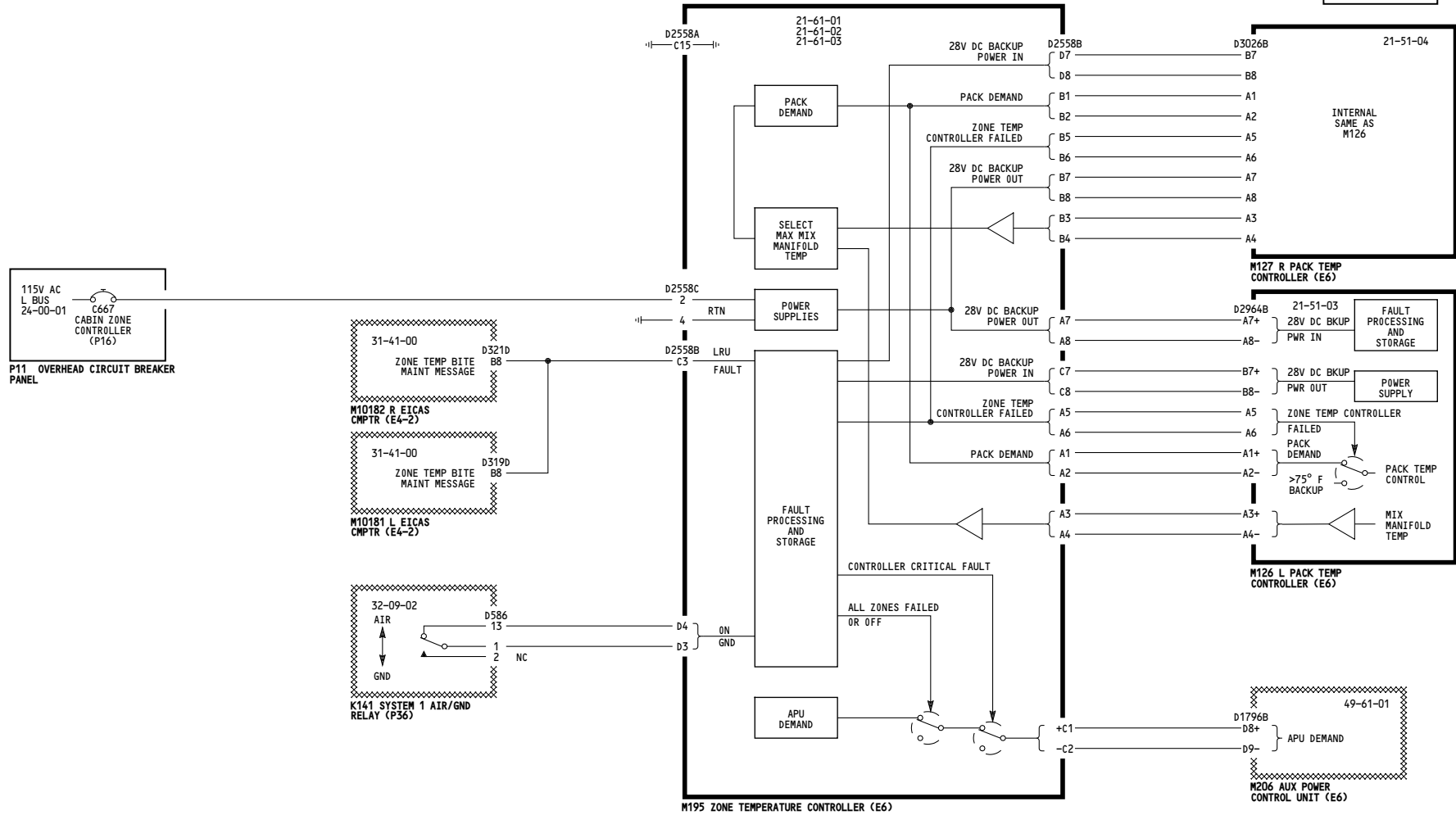
21-61-05

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5000

WIRING DIAGRAMS
21-61-51

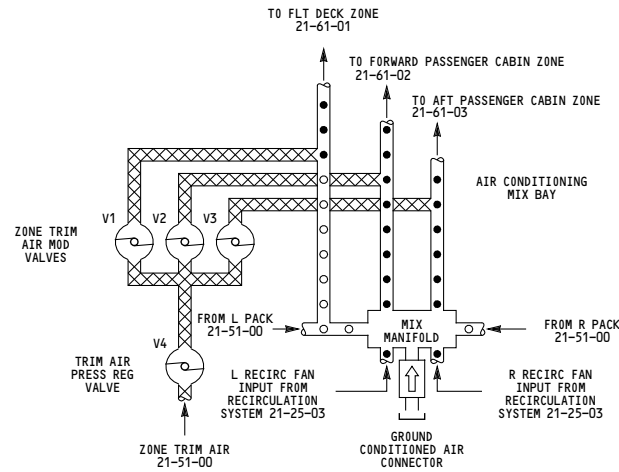
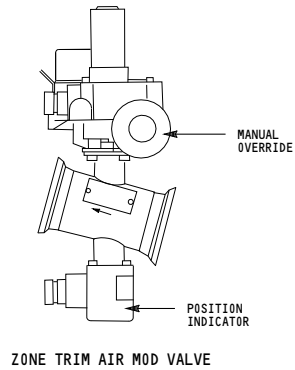
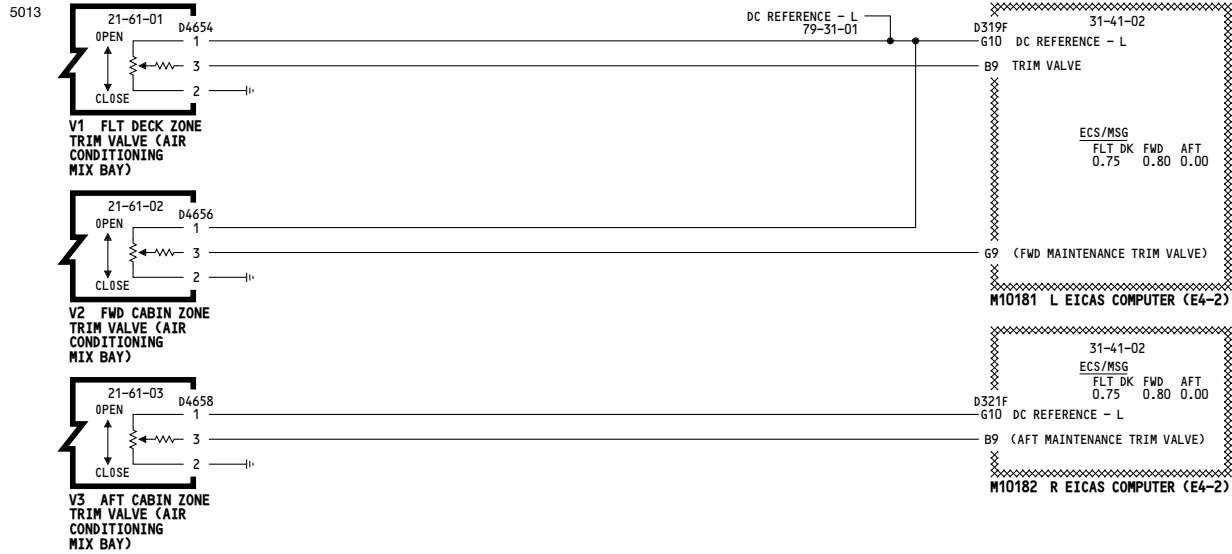


115-199	<p align="center">ZONE TEMPERATURE CONTROLLER</p> <p align="center">D280N032S</p>
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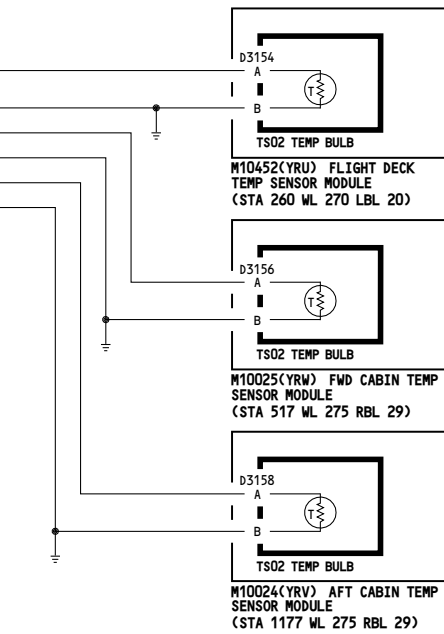
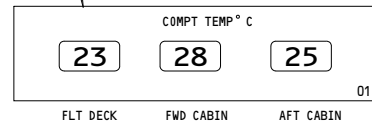
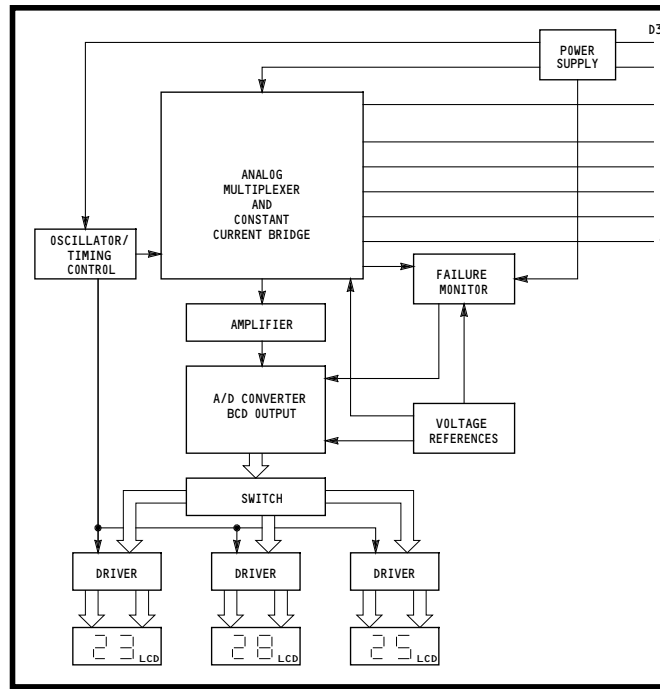
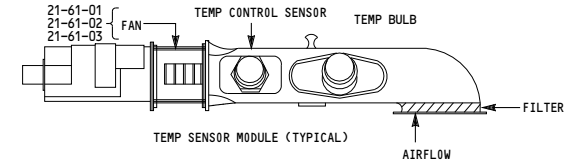
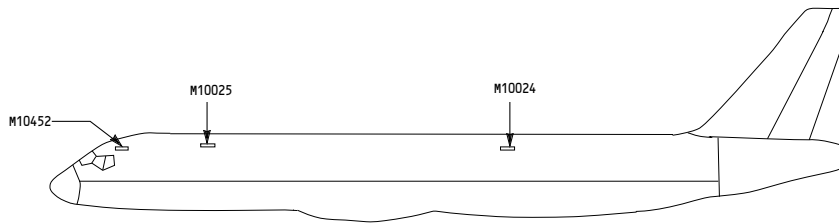


- NOTES:
- CONDITIONED AIR
 - COLD AIR
 - HOT AIR

ALL	<p>ZONE TRIM VALVE POSITION INDICATION</p> <p>D280N032S</p>
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-B
5013

WIRING DIAGRAMS
21-65-11



001-099	<p>CABIN ZONE TEMPERATURE INDICATION</p> <p>D280N032S</p>
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