

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					21-31-22				
		1 thru 3		Jun 21/2016	R		101	1	Jun 21/2016
		4		BLANK	R			2	Jun 21/2016
21-CONTENTS					21-31-23				
R		1		Jun 21/2016	R		101	1	Jun 21/2016
R		2		Jun 21/2016	R			2	Jun 21/2016
R		3		Jun 21/2016	21-31-24				
R		4		Jun 21/2016			101		Aug 31/2015
R		5		Jun 21/2016	R		102		Jun 21/2016
		6		BLANK	21-31-25				
21-ALPHABETICAL INDEX					R		101		Jun 21/2016
		1		Aug 15/2013	21-33-11				
		2		BLANK	R		101		Jun 21/2016
21-25-11					21-42-11				
R		101	1	Jun 21/2016			101		Aug 31/2015
R			2	Jun 21/2016	R		102		Jun 21/2016
21-27-21					21-43-21				
R		101	1	Jun 21/2016	R		101		Jun 21/2016
R			2	Jun 21/2016	21-51-11				
21-27-31							101	1	Aug 31/2015
R		101	1	Jun 21/2016				2	Aug 31/2015
R			2	Jun 21/2016	R		102	1	Jun 21/2016
21-31-11					R			2	Jun 21/2016
R		101		Jun 21/2016					

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21-EFFECTIVE PAGES

Page 1
Jun 21/2016

D280A451

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CHAPTER 21
AIR CONDITIONING

CH-SC-SU	Schem	Page	Sheet	Date	CH-SC-SU	Schem	Page	Sheet	Date
21-51-12					21-51-21 (cont.)				
		101	1	Aug 31/2015	R		102	1	Jun 21/2016
			2	Aug 31/2015	R			2	Jun 21/2016
			3	Aug 31/2015		21-51-22			
			4	Aug 31/2015			101	1	Aug 31/2015
R		102	1	Jun 21/2016				2	Aug 31/2015
R			2	Jun 21/2016				3	Aug 31/2015
R			3	Jun 21/2016				4	Aug 31/2015
R			4	Jun 21/2016	R		102	1	Jun 21/2016
21-51-13					R			2	Jun 21/2016
		101		Aug 31/2015	R			3	Jun 21/2016
R		102		Jun 21/2016	R			4	Jun 21/2016
21-51-14						21-51-23			
		101	1	Aug 31/2015			101		Aug 31/2015
			2	Aug 31/2015	R		102		Jun 21/2016
			3	Aug 31/2015		21-51-24			
R		102	1	Jun 21/2016			101	1	Aug 31/2015
R			2	Jun 21/2016				2	Aug 31/2015
R			3	Jun 21/2016				3	Aug 31/2015
21-51-15					R		102	1	Jun 21/2016
R		101		Jun 21/2016	R			2	Jun 21/2016
21-51-21					R			3	Jun 21/2016
		101	1	Aug 31/2015		21-51-25			
			2	Aug 31/2015	R		101		Jun 21/2016

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21-EFFECTIVE PAGES

Page 2
Jun 21/2016

D280A451

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CHAPTER 21
AIR CONDITIONING

CH-SC-SU	Schem	Page	Sheet	Date	CH-SC-SU	Schem	Page	Sheet	Date
21-51-31		101		Aug 31/2015	21-61-15		101		Aug 31/2015
R		102		Jun 21/2016	R		102		Jun 21/2016
21-61-11		101	1	Aug 31/2015	21-61-31		101		Aug 31/2015
			2	Aug 31/2015	R		102		Jun 21/2016
R		102	1	Jun 21/2016	21-61-50		101		Jun 21/2016
R			2	Jun 21/2016	R				
21-61-12		101	1	Aug 31/2015	21-61-51		101		Jun 21/2016
			2	Aug 31/2015	R				
R		102	1	Jun 21/2016					
R			2	Jun 21/2016					
21-61-13		101	1	Aug 31/2015					
			2	Aug 31/2015					
R		102	1	Jun 21/2016					
R			2	Jun 21/2016					
21-61-14		101	1	Aug 31/2015					
			2	Aug 31/2015					
R		102	1	Jun 21/2016					
R			2	Jun 21/2016					

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21-EFFECTIVE PAGES

Page 3
Jun 21/2016

D280A451

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**CHAPTER 21
AIR CONDITIONING**

	Title	CH-SC-SU	Schem	Page	Sheet	Date	Effectivity
	<u>RECIRCULATION SYSTEM</u>						
I	CABIN AIR RECIRCULATION SYSTEM	21-25-11		101	1	Jun 21/2016	ALL
I					2	Jun 21/2016	ALL
	<u>EQUIPMENT COOLING SYSTEM</u>						
I	EQUIPMENT COOLING - EXHAUST	21-27-21		101	1	Jun 21/2016	ALL
I					2	Jun 21/2016	ALL
I	EQUIPMENT COOLING - SUPPLY	21-27-31		101	1	Jun 21/2016	ALL
I					2	Jun 21/2016	ALL
	<u>PRESSURIZATION CONTROL SYSTEM</u>						
I	PRESSURIZATION CONTROL MANUAL MODE	21-31-11		101		Jun 21/2016	ALL
I	PRESSURIZATION CONTROL AUTO 1	21-31-22		101	1	Jun 21/2016	ALL
I					2	Jun 21/2016	ALL
I	PRESSURIZATION CONTROL AUTO 2	21-31-23		101	1	Jun 21/2016	ALL
I					2	Jun 21/2016	ALL
	PRESSURIZATION CONTROL AUTO CHANNEL INTERFACES	21-31-24		101		Aug 31/2015	YT101-YT115 YT126-YT131
I				102		Jun 21/2016	YT116-YT120 YT132-YT133
I	PRESSURIZATION CONTROL LCD LIGHTING	21-31-25		101		Jun 21/2016	ALL
	<u>CABIN PRESSURE INDICATION AND WARNING SYSTEM</u>						
I	CABIN PRESSURE WARNING	21-33-11		101		Jun 21/2016	ALL
	<u>SUPPLEMENTAL HEATING SYSTEMS</u>						
	DOOR AREA HEATERS	21-42-11		101		Aug 31/2015	YT101-YT115 YT126-YT131
I				102		Jun 21/2016	YT116-YT120 YT132-YT133

21-CONTENTS

Page 1
Jun 21/2016

D280A451

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CHAPTER 21
AIR CONDITIONING

	Title	CH-SC-SU	Schem	Page	Sheet	Date	Effectivity
	<u>FORWARD CARGO COMPARTMENT HEATING SYSTEM</u>						
I	OVERBOARD EXHAUST VALVE CONTROL	21-43-21		101		Jun 21/2016	ALL
	<u>PACK FLOW CONTROL AND PACK COOLING SYSTEM</u>						
	LEFT PACK VALVE CONTROL	21-51-11		101	1	Aug 31/2015	YT101-YT115 YT126-YT131
					2	Aug 31/2015	YT101-YT115 YT126-YT131
I				102	1	Jun 21/2016	YT116-YT120 YT132-YT133
I					2	Jun 21/2016	YT116-YT120 YT132-YT133
	LEFT AIR CONDITIONING PACK CONTROL - AUTO	21-51-12		101	1	Aug 31/2015	YT101-YT115 YT126-YT131
					2	Aug 31/2015	YT101-YT115 YT126-YT131
					3	Aug 31/2015	YT101-YT115 YT126-YT131
					4	Aug 31/2015	YT101-YT115 YT126-YT131
I				102	1	Jun 21/2016	YT116-YT120 YT132-YT133
I					2	Jun 21/2016	YT116-YT120 YT132-YT133
I					3	Jun 21/2016	YT116-YT120 YT132-YT133
I					4	Jun 21/2016	YT116-YT120 YT132-YT133
	LEFT AIR CONDITIONING PACK CONTROL STANDBY	21-51-13		101		Aug 31/2015	YT101-YT115 YT126-YT131
I				102		Jun 21/2016	YT116-YT120 YT132-YT133
	LEFT RAM MODULATION CONTROL	21-51-14		101	1	Aug 31/2015	YT101-YT115 YT126-YT131
					2	Aug 31/2015	YT101-YT115 YT126-YT131
					3	Aug 31/2015	YT101-YT115 YT126-YT131
I				102	1	Jun 21/2016	YT116-YT120 YT132-YT133
I					2	Jun 21/2016	YT116-YT120 YT132-YT133
I					3	Jun 21/2016	YT116-YT120 YT132-YT133

**CHAPTER 21
AIR CONDITIONING**

Title	CH-SC-SU	Schem	Page	Sheet	Date	Effectivity
LEFT PACK PROTECTION	21-51-15		101		Jun 21/2016	ALL
RIGHT PACK VALVE CONTROL	21-51-21		101	1	Aug 31/2015	YT101-YT115 YT126-YT131
				2	Aug 31/2015	YT101-YT115 YT126-YT131
			102	1	Jun 21/2016	YT116-YT120 YT132-YT133
				2	Jun 21/2016	YT116-YT120 YT132-YT133
RIGHT AIR CONDITIONING PACK CONTROL - AUTO	21-51-22		101	1	Aug 31/2015	YT101-YT115 YT126-YT131
				2	Aug 31/2015	YT101-YT115 YT126-YT131
				3	Aug 31/2015	YT101-YT115 YT126-YT131
				4	Aug 31/2015	YT101-YT115 YT126-YT131
			102	1	Jun 21/2016	YT116-YT120 YT132-YT133
				2	Jun 21/2016	YT116-YT120 YT132-YT133
				3	Jun 21/2016	YT116-YT120 YT132-YT133
				4	Jun 21/2016	YT116-YT120 YT132-YT133
RIGHT AIR CONDITIONING PACK CONTROL STANDBY	21-51-23		101		Aug 31/2015	YT101-YT115 YT126-YT131
			102		Jun 21/2016	YT116-YT120 YT132-YT133
RIGHT RAM MODULATION CONTROL	21-51-24		101	1	Aug 31/2015	YT101-YT115 YT126-YT131
				2	Aug 31/2015	YT101-YT115 YT126-YT131
				3	Aug 31/2015	YT101-YT115 YT126-YT131
			102	1	Jun 21/2016	YT116-YT120 YT132-YT133
				2	Jun 21/2016	YT116-YT120 YT132-YT133
				3	Jun 21/2016	YT116-YT120 YT132-YT133
RIGHT PACK PROTECTION	21-51-25		101		Jun 21/2016	ALL
AIR CONDITIONING PACK CONTROL BITE	21-51-31		101		Aug 31/2015	YT101-YT115 YT126-YT131

21-CONTENTS

Page 3
Jun 21/2016

D280A451

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CHAPTER 21
AIR CONDITIONING

	Title	CH-SC-SU	Schem	Page	Sheet	Date	Effectivity
I	AIR CONDITIONING PACK CONTROL BITE (cont.)	21-51-31		102		Jun 21/2016	YT116-YT120 YT132-YT133
	ZONE TEMPERATURE CONTROL AND INDICATION						
	TEMPERATURE CONTROL - FLIGHT DECK ZONE (PRIMARY)	21-61-11		101	1	Aug 31/2015	YT101-YT115 YT126-YT131
					2	Aug 31/2015	YT101-YT115 YT126-YT131
I				102	1	Jun 21/2016	YT116-YT120 YT132-YT133
I					2	Jun 21/2016	YT116-YT120 YT132-YT133
	TEMPERATURE CONTROL - FLIGHT DECK ZONE (BACKUP)	21-61-12		101	1	Aug 31/2015	YT101-YT115 YT126-YT131
					2	Aug 31/2015	YT101-YT115 YT126-YT131
I				102	1	Jun 21/2016	YT116-YT120 YT132-YT133
I					2	Jun 21/2016	YT116-YT120 YT132-YT133
	TEMPERATURE CONTROL - FWD PASSENGER ZONE	21-61-13		101	1	Aug 31/2015	YT101-YT115 YT126-YT131
					2	Aug 31/2015	YT101-YT115 YT126-YT131
I				102	1	Jun 21/2016	YT116-YT120 YT132-YT133
I					2	Jun 21/2016	YT116-YT120 YT132-YT133
	TEMPERATURE CONTROL - AFT PASSENGER ZONE	21-61-14		101	1	Aug 31/2015	YT101-YT115 YT126-YT131
					2	Aug 31/2015	YT101-YT115 YT126-YT131
I				102	1	Jun 21/2016	YT116-YT120 YT132-YT133
I					2	Jun 21/2016	YT116-YT120 YT132-YT133
	TEMPERATURE CONTROL - TRIM PRESSURE REGULATION	21-61-15		101		Aug 31/2015	YT101-YT115 YT126-YT131
				102		Jun 21/2016	YT116-YT120 YT132-YT133
I	AIR CONDITIONING TEMPERATURE INDICATION	21-61-31		101		Aug 31/2015	YT101-YT115 YT126-YT131

**CHAPTER 21
AIR CONDITIONING**

	Title	CH-SC-SU	Schem	Page	Sheet	Date	Effectivity
I	AIR CONDITIONING TEMPERATURE INDICATION (cont.)	21-61-31		102		Jun 21/2016	YT116-YT120 YT132-YT133
I	AIR CONDITIONING TEMPERATURE INDICATION SIMPLIFIED	21-61-50		101		Jun 21/2016	ALL
I	AIR CONDITIONING TEMPERATURE INDICATION	21-61-51		101		Jun 21/2016	ALL

**CHAPTER 21
AIR CONDITIONING**

CH-SC-SU	Title
21-51-31	AIR CONDITIONING PACK CONTROL BITE
21-61-31	AIR CONDITIONING TEMPERATURE INDICATION
21-61-51	AIR CONDITIONING TEMPERATURE INDICATION
21-61-50	AIR CONDITIONING TEMPERATURE INDICATION SIMPLIFIED
21-25-11	CABIN AIR RECIRCULATION SYSTEM
21-33-11	CABIN PRESSURE WARNING
21-42-11	DOOR AREA HEATERS
21-27-21	EQUIPMENT COOLING - EXHAUST
21-27-31	EQUIPMENT COOLING - SUPPLY
21-51-12	LEFT AIR CONDITIONING PACK CONTROL - AUTO
21-51-13	LEFT AIR CONDITIONING PACK CONTROL STANDBY
21-51-15	LEFT PACK PROTECTION
21-51-11	LEFT PACK VALVE CONTROL
21-51-14	LEFT RAM MODULATION CONTROL
21-43-21	OVERBOARD EXHAUST VALVE CONTROL
21-31-22	PRESSURIZATION CONTROL AUTO 1
21-31-23	PRESSURIZATION CONTROL AUTO 2
21-31-24	PRESSURIZATION CONTROL AUTO CHANNEL INTERFACES

CH-SC-SU	Title
21-31-25	PRESSURIZATION CONTROL LCD LIGHTING
21-31-11	PRESSURIZATION CONTROL MANUAL MODE
21-51-22	RIGHT AIR CONDITIONING PACK CONTROL - AUTO
21-51-23	RIGHT AIR CONDITIONING PACK CONTROL STANDBY
21-51-25	RIGHT PACK PROTECTION
21-51-21	RIGHT PACK VALVE CONTROL
21-51-24	RIGHT RAM MODULATION CONTROL
21-61-14	TEMPERATURE CONTROL - AFT PASSENGER ZONE
21-61-12	TEMPERATURE CONTROL - FLIGHT DECK ZONE (BACKUP)
21-61-11	TEMPERATURE CONTROL - FLIGHT DECK ZONE (PRIMARY)
21-61-13	TEMPERATURE CONTROL - FWD PASSENGER ZONE
21-61-15	TEMPERATURE CONTROL - TRIM PRESSURE REGULATION

21-ALPHABETICAL INDEX

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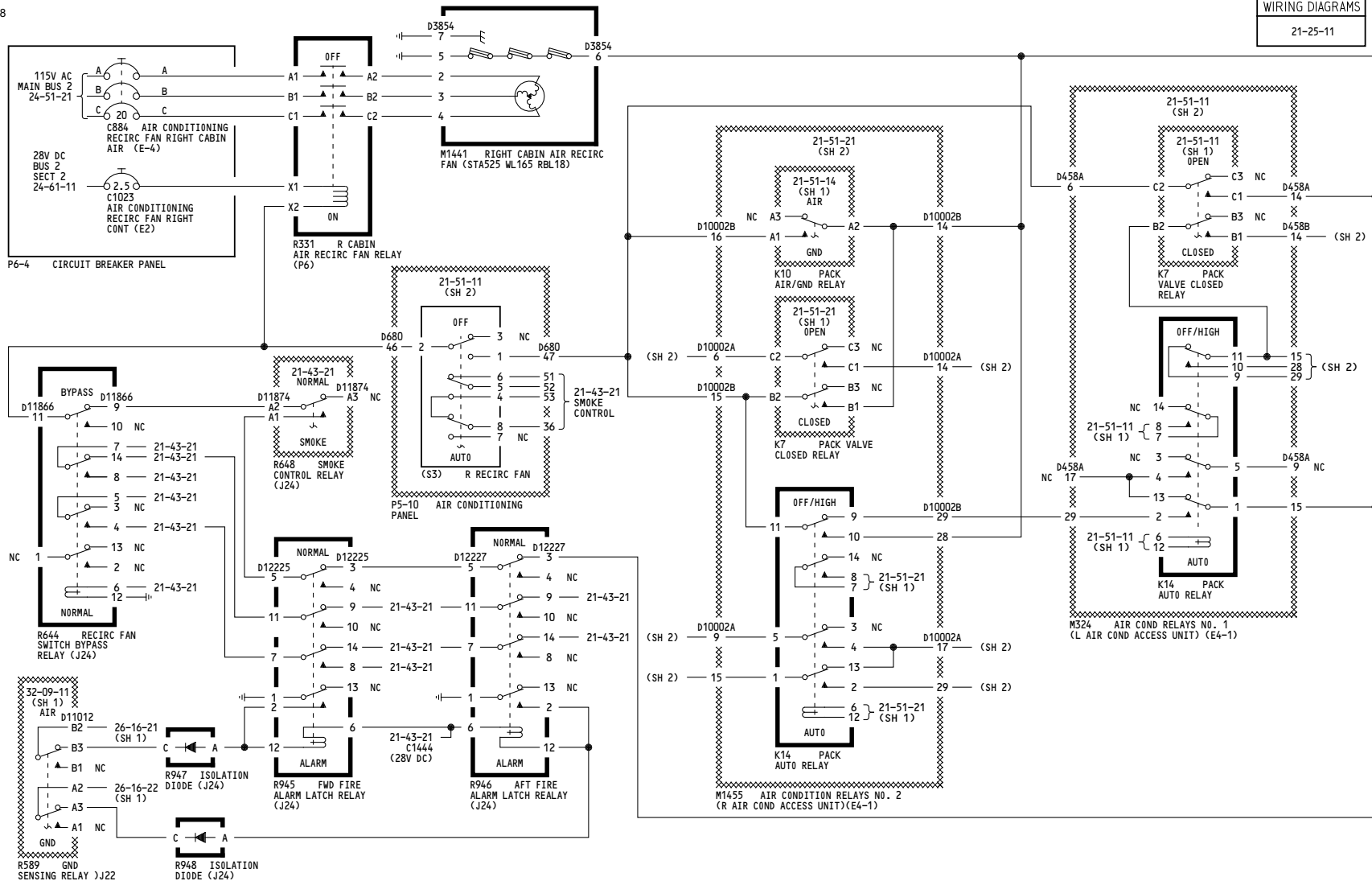
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Page 1
Aug 15/2013

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8

WIRING DIAGRAMS
21-25-11



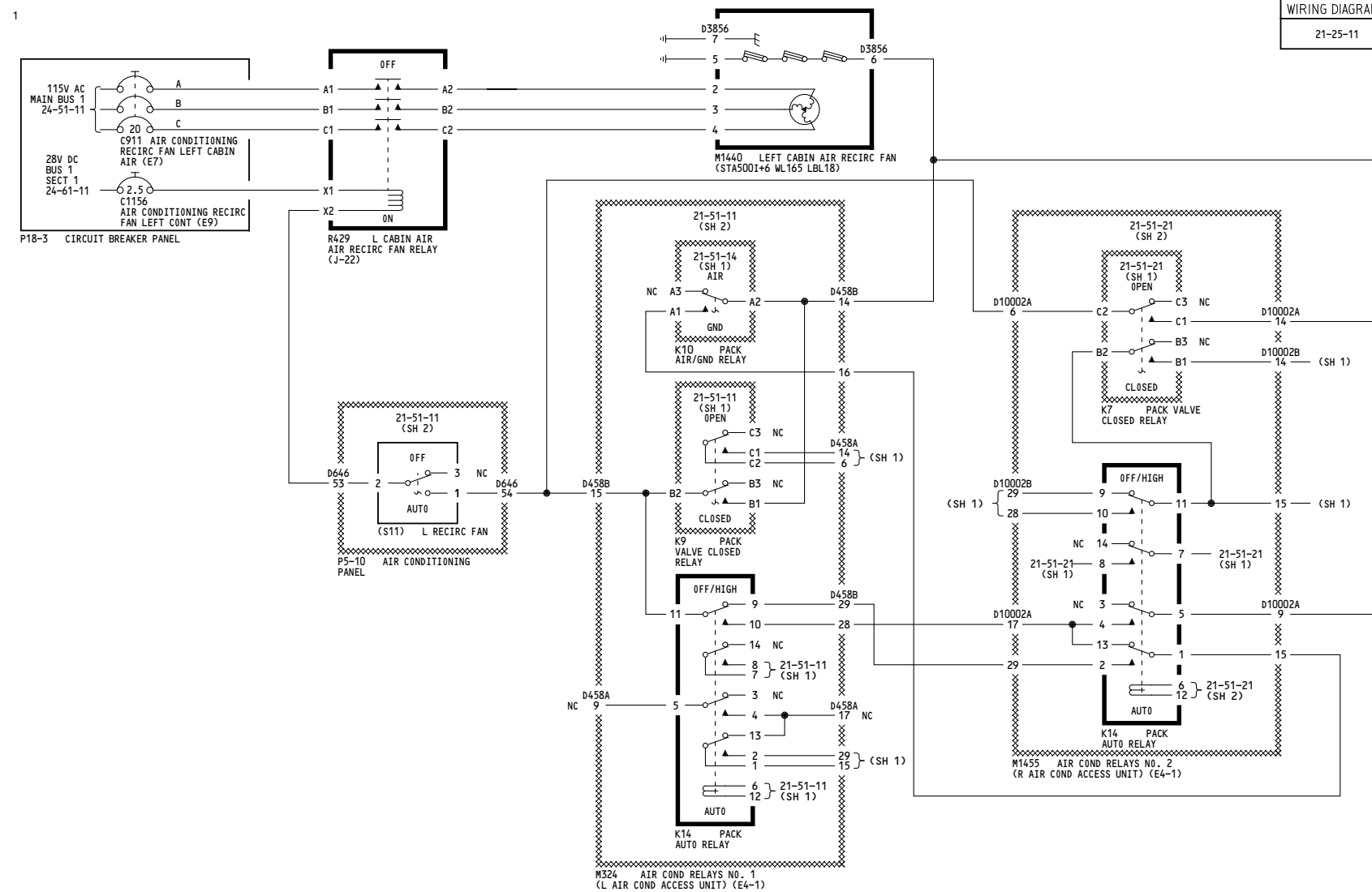
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CABIN AIR RECIRCULATION SYSTEM

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21-25-11

Page 101
Sheet 1
Jun 21/2016



ALL

CABIN AIR RECIRCULATION SYSTEM

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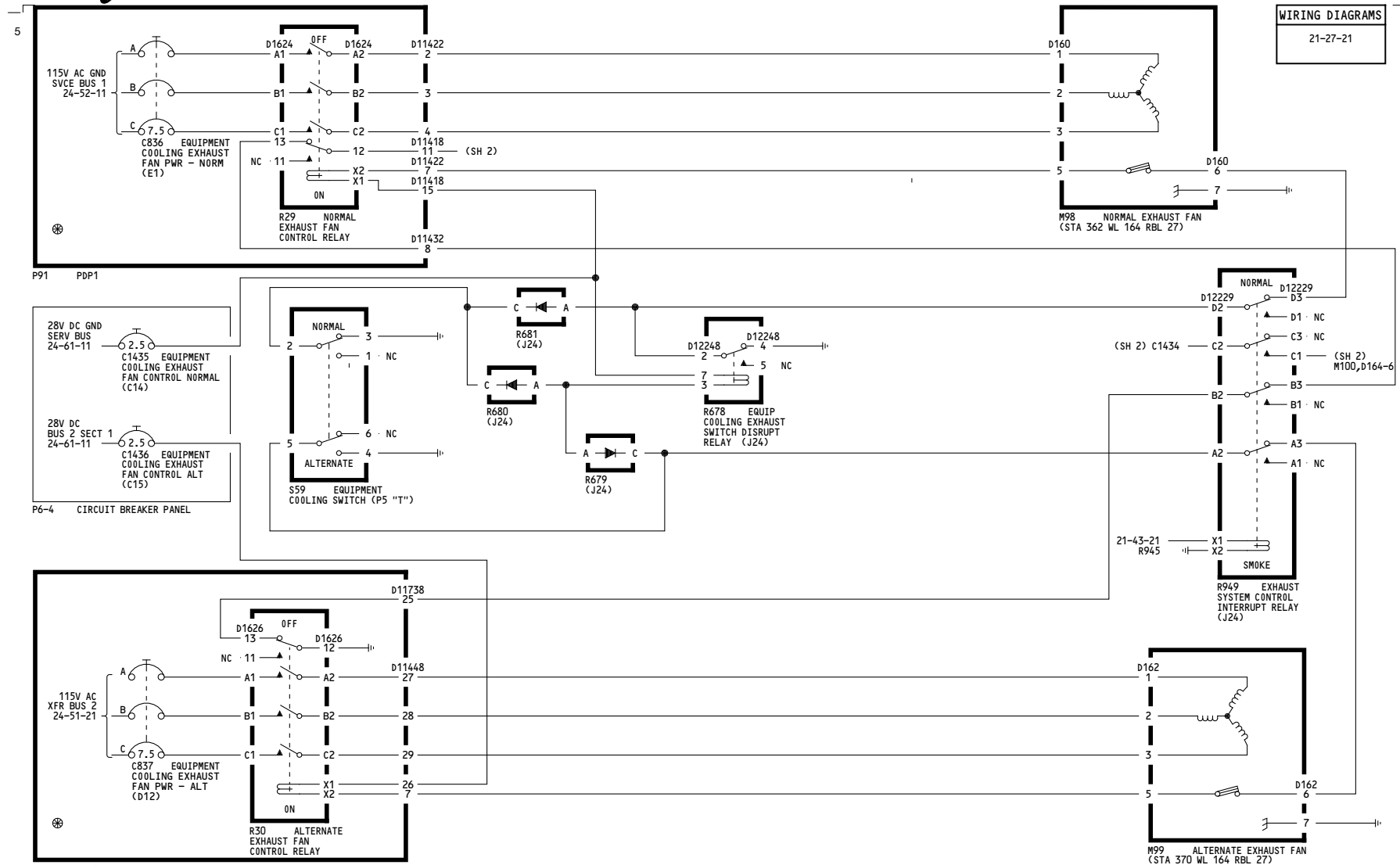
21-25-11

Page 101
Sheet 2
Jun 21/2016



737-800 SYSTEM SCHEMATIC MANUAL

WIRING DIAGRAMS
21-27-21



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EQUIPMENT COOLING -
EXHAUST

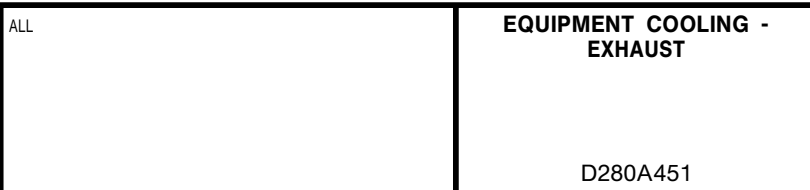
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21-27-21

Page 101
Sheet 1
Jun 21/2016



WIRING DIAGRAMS
21-27-21

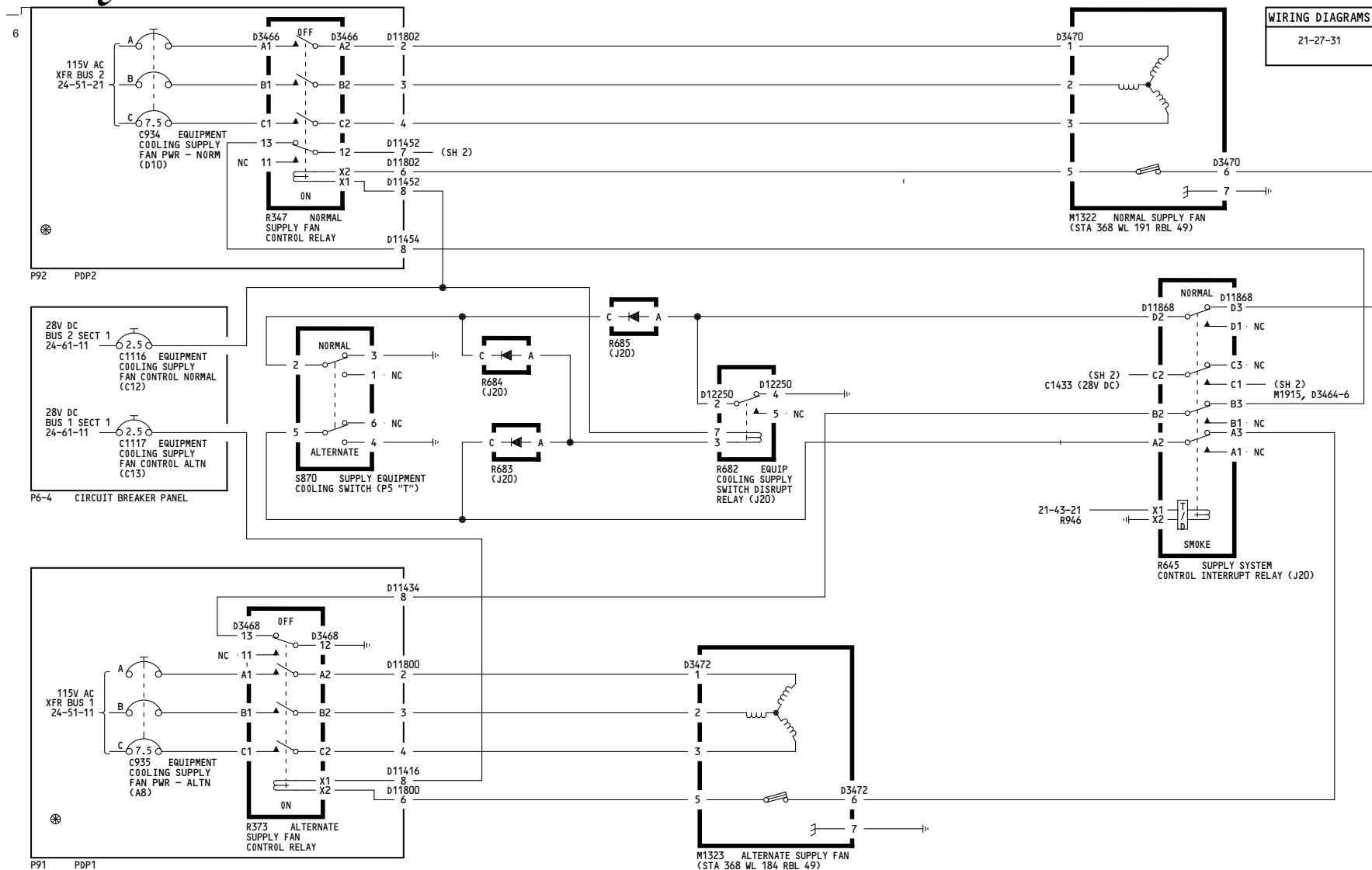




737-800 SYSTEM SCHEMATIC MANUAL

WIRING DIAGRAMS

21-27-31



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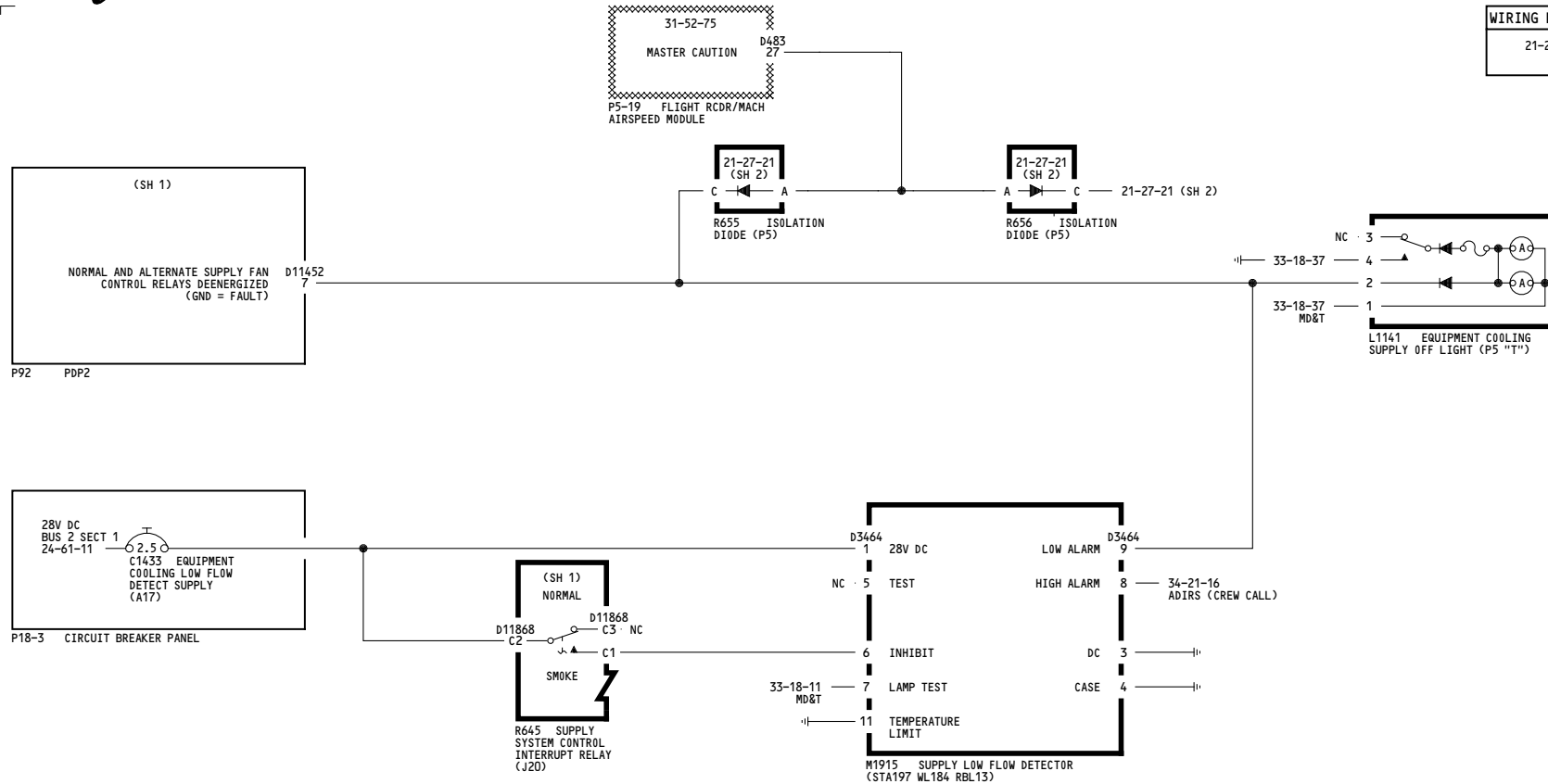
EQUIPMENT COOLING -
SUPPLY

D280A451

21-27-31

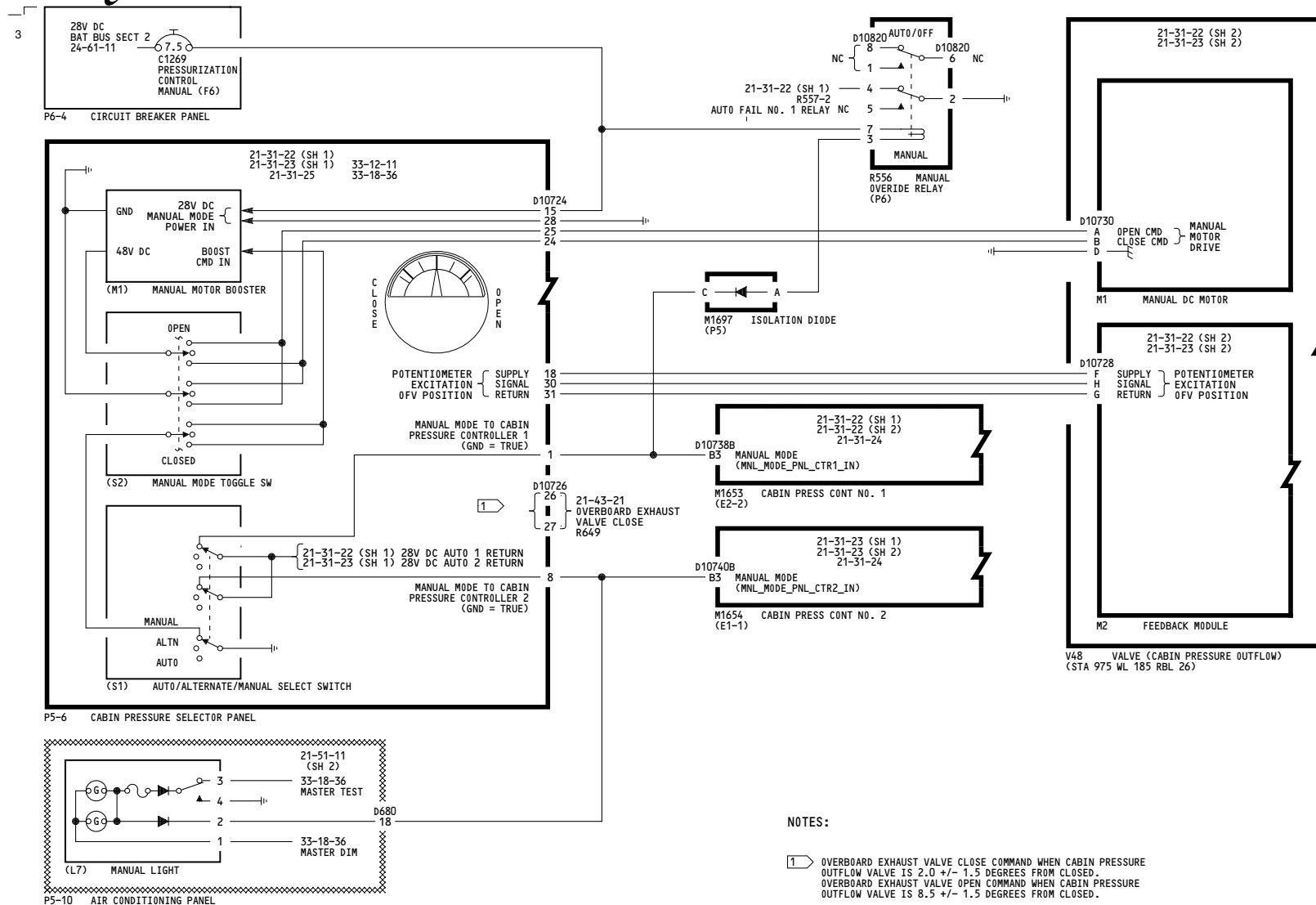
Page 101
Sheet 1
Jun 21/2016

-F
1



ALL	EQUIPMENT COOLING - SUPPLY
	D280A451

21-27-31



ALL

PRESSURIZATION CONTROL MANUAL MODE

D280A451

21-31-11

Page 101

Jun 21/2016

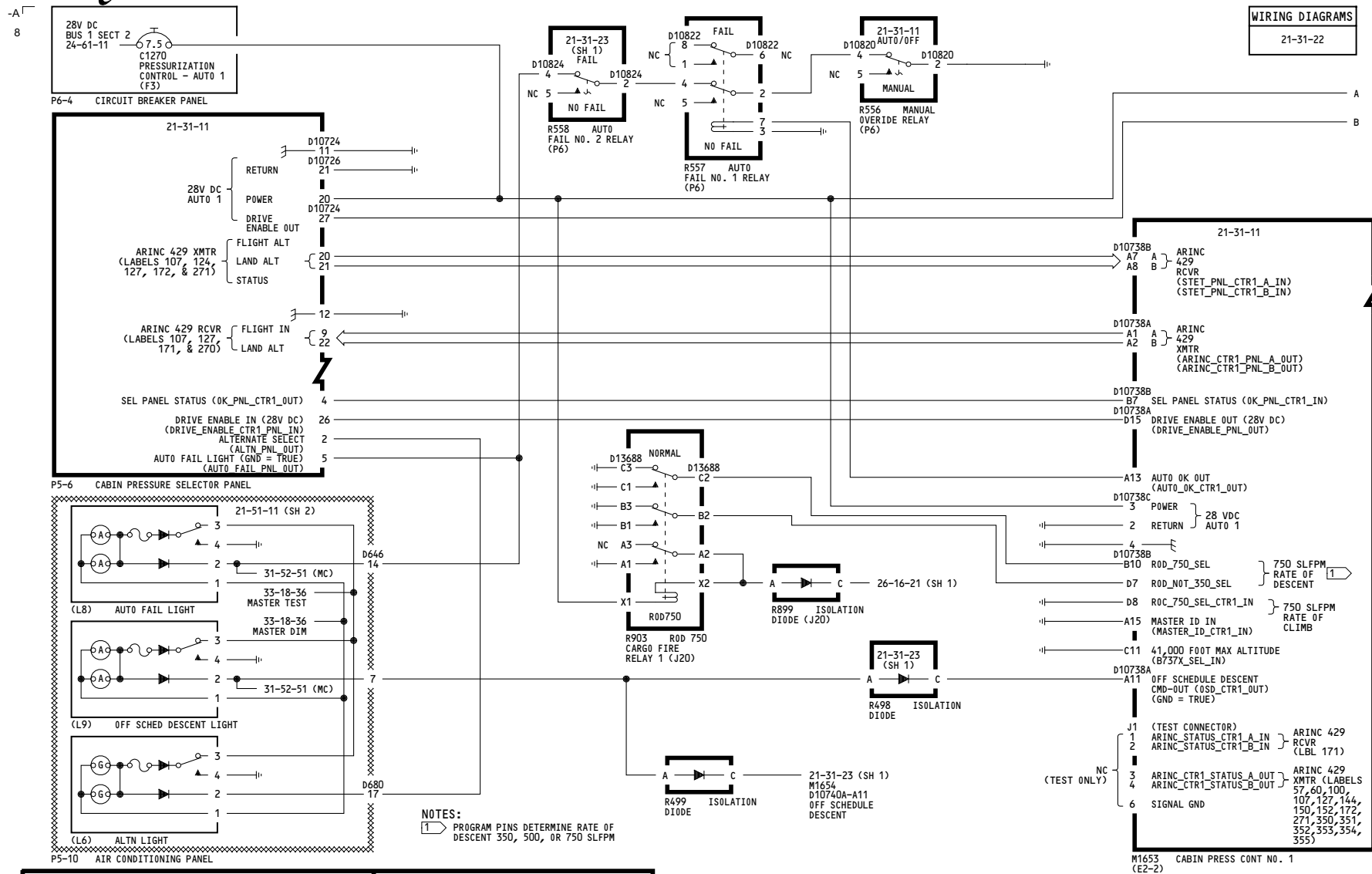
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737-800 SYSTEM SCHEMATIC MANUAL

WIRING DIAGRAMS

21-31-22

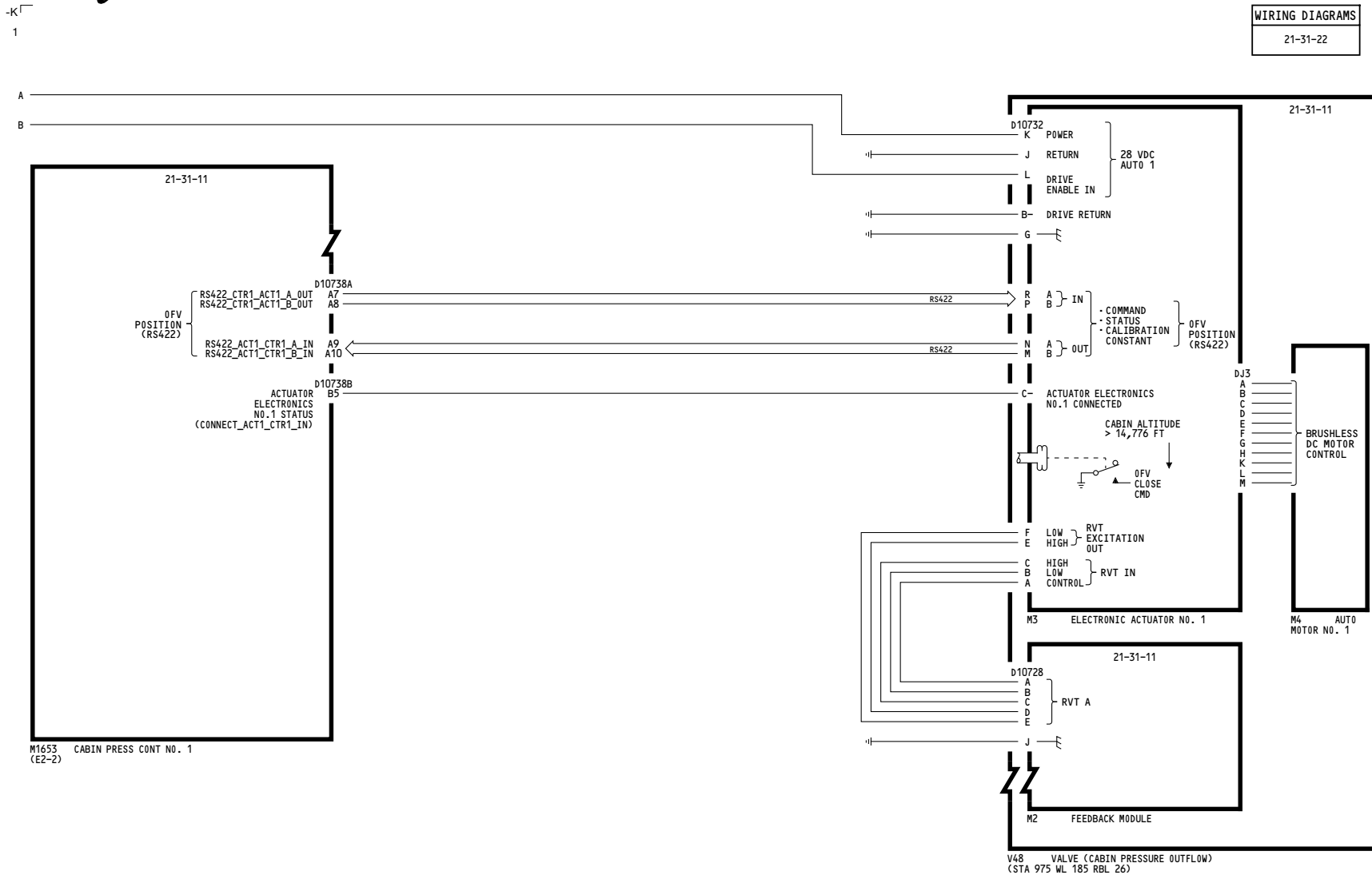


21-31-22

Page 101
Sheet 1
Jun 21/2016

PRESSURIZATION CONTROL
AUTO 1

D280A451



ALL

PRESSURIZATION CONTROL
AUTO 1

D280A451

21-31-22

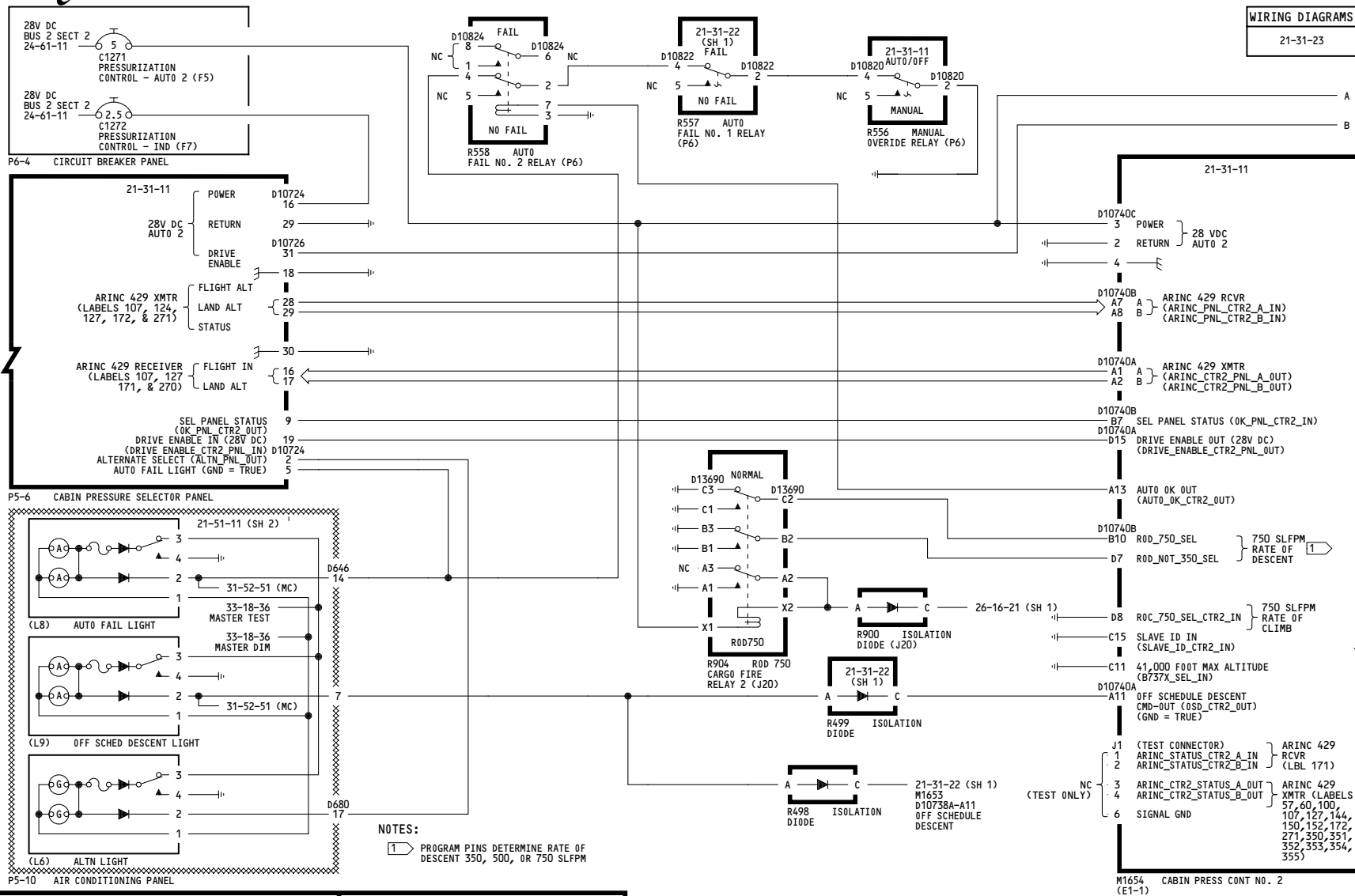
Page 101
Sheet 2
Jun 21/2016



737-800 SYSTEM SCHEMATIC MANUAL

WIRING DIAGRAMS
21-31-23

59



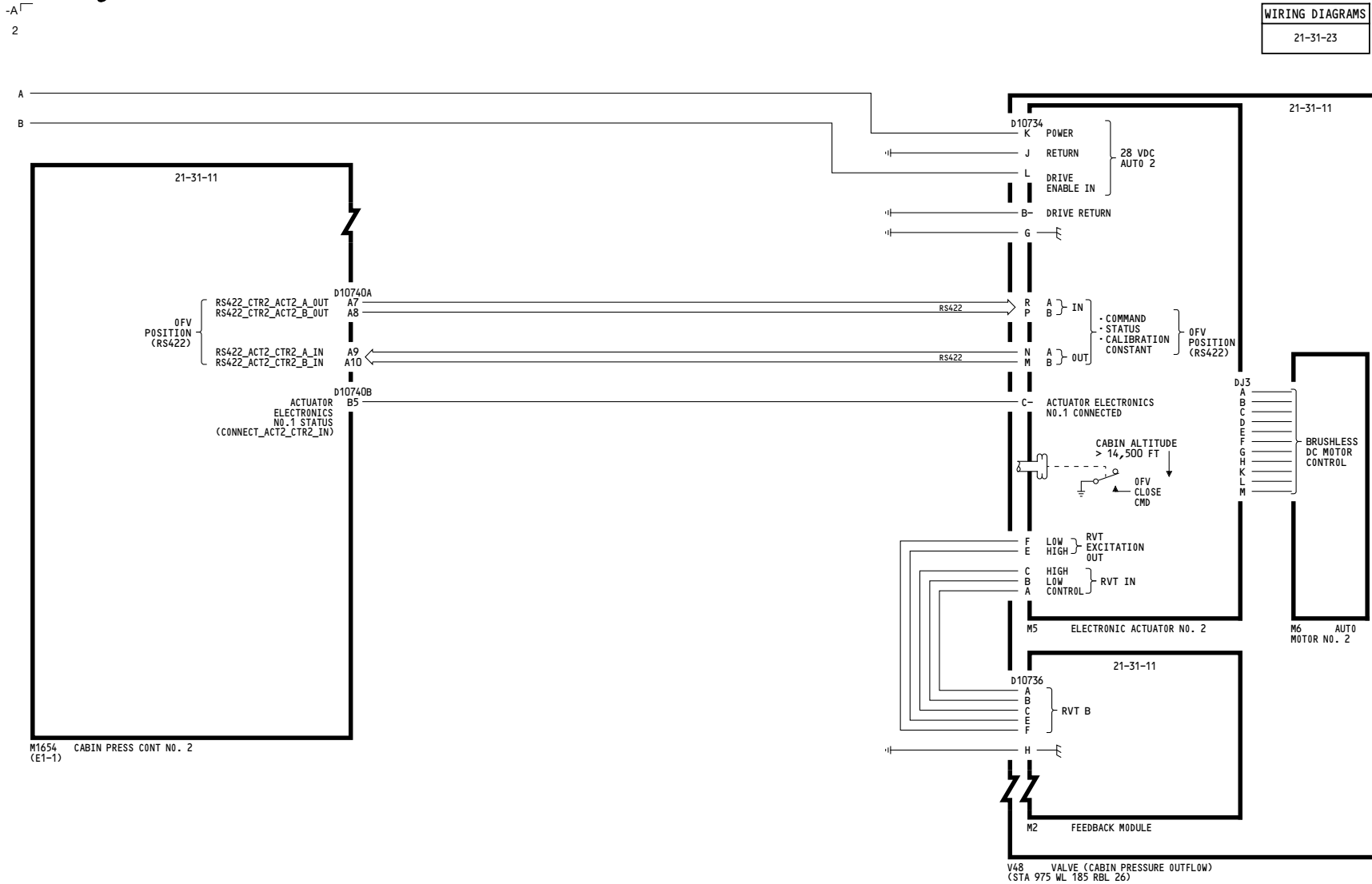
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**PRESSURIZATION CONTROL
AUTO 2**

D280A451

21-31-23

Page 101
Sheet 1
Jun 21/2016



ALL

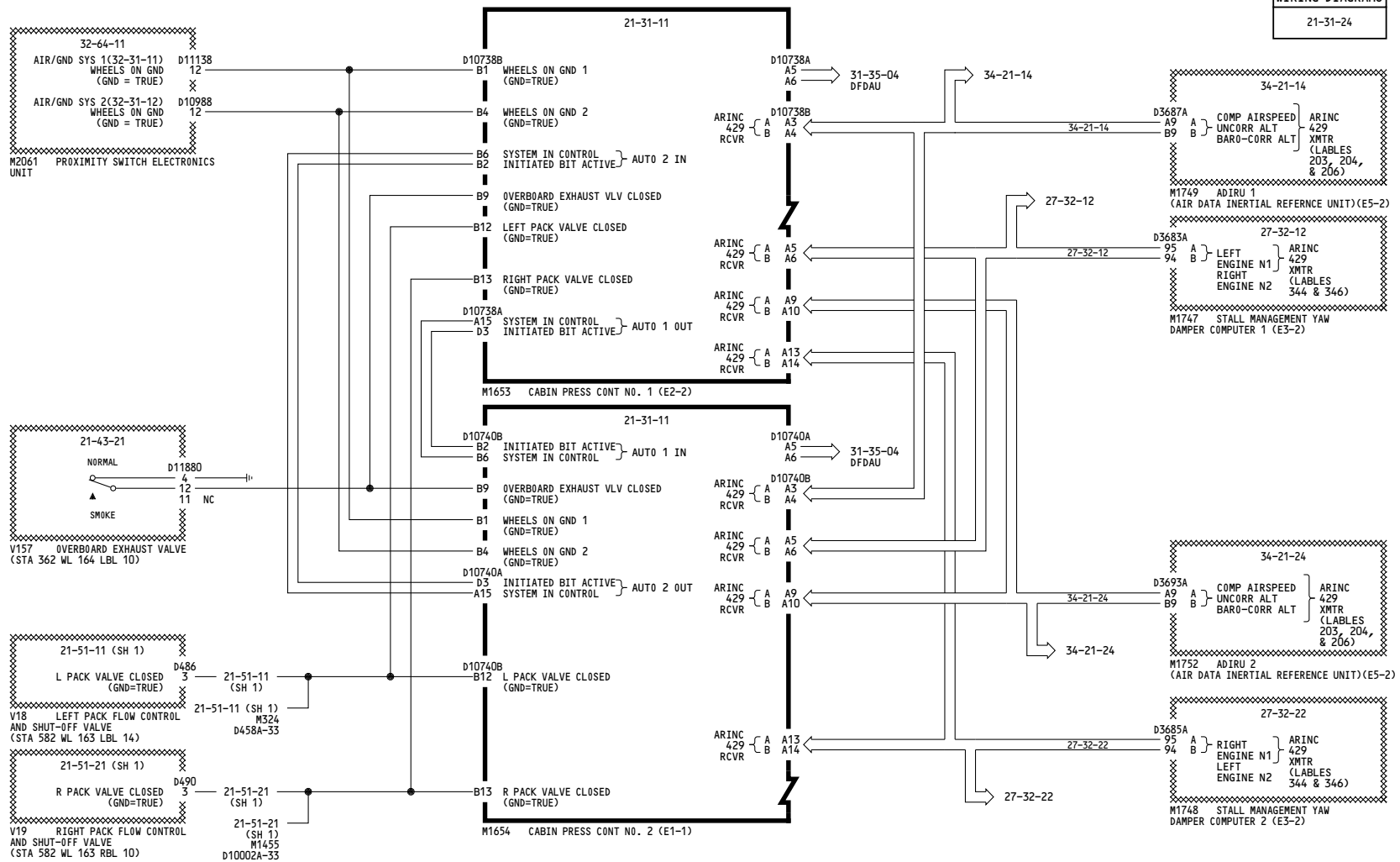
PRESSURIZATION CONTROL
AUTO 2

D280A451

21-31-23

Page 101
Sheet 2
Jun 21/2016

-A⁹



YT101-YT115, YT126-YT131

PRESSURIZATION CONTROL AUTO CHANNEL INTERFACES

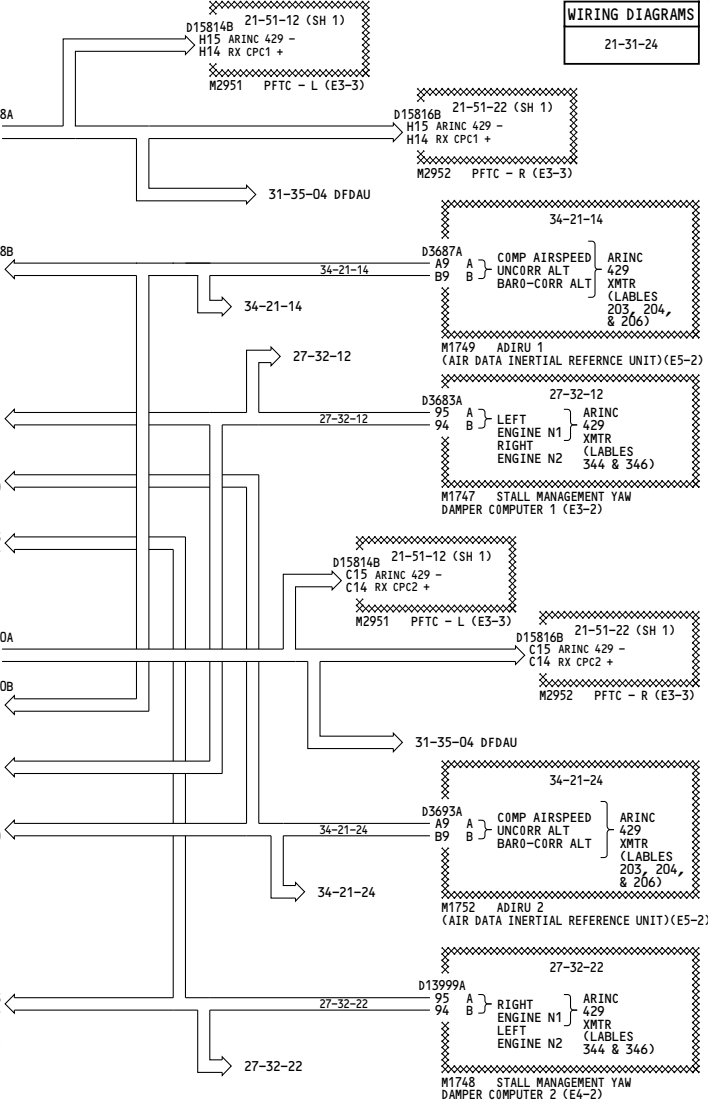
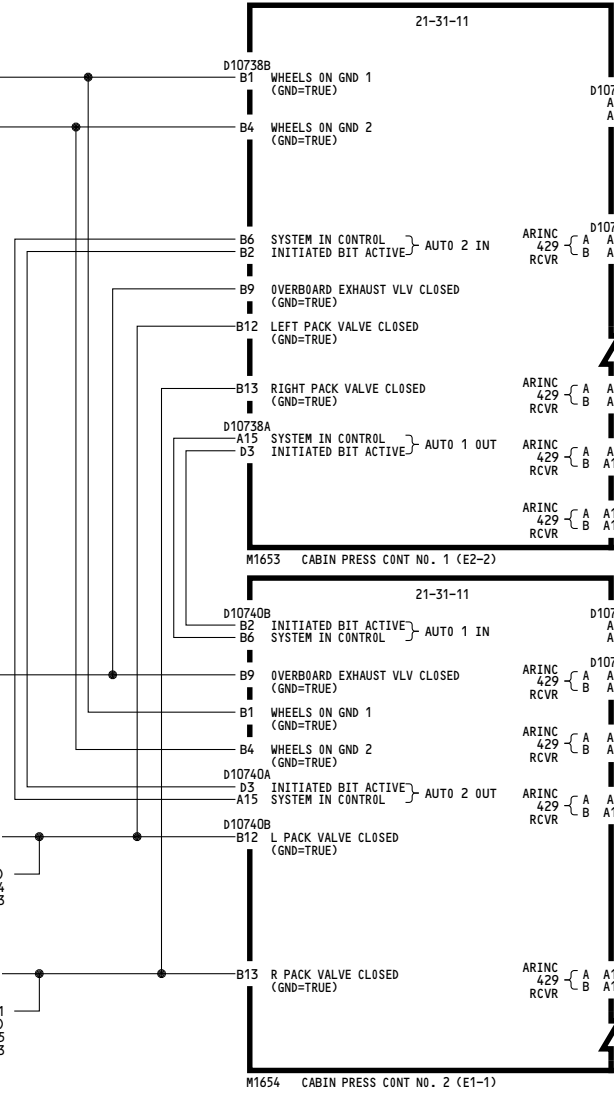
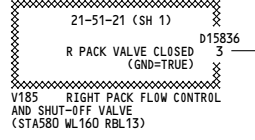
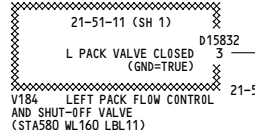
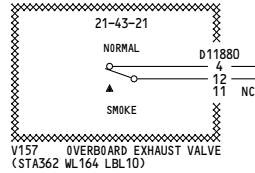
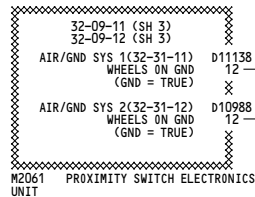
D280A451

21-31-24

Page 101

Aug 31/2015

-B
15



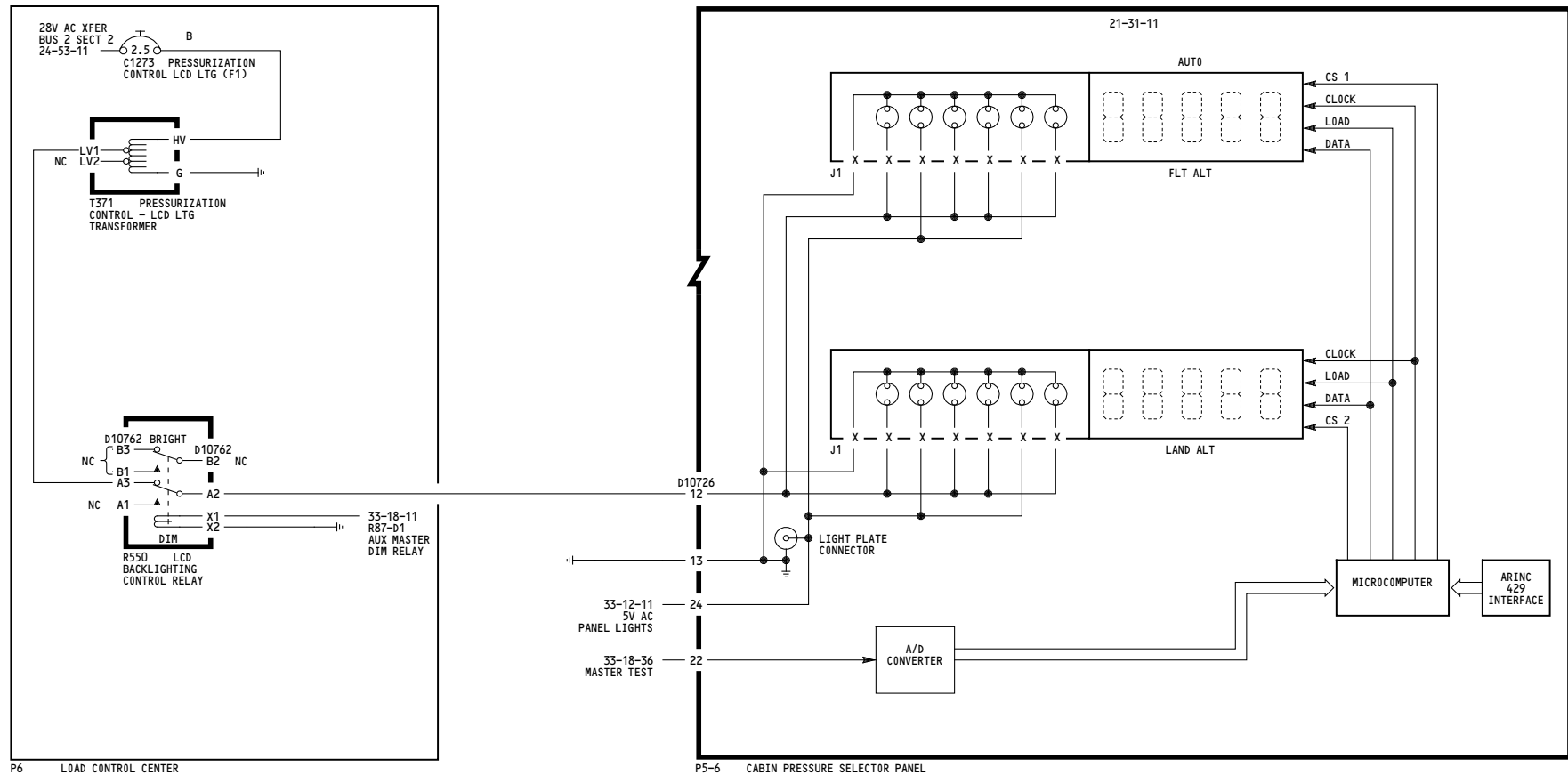
YT116-YT120, YT132-YT133

PRESSURIZATION CONTROL AUTO CHANNEL INTERFACES

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21-31-24

-F-
1



ALL

**PRESSURIZATION CONTROL
LCD LIGHTING**

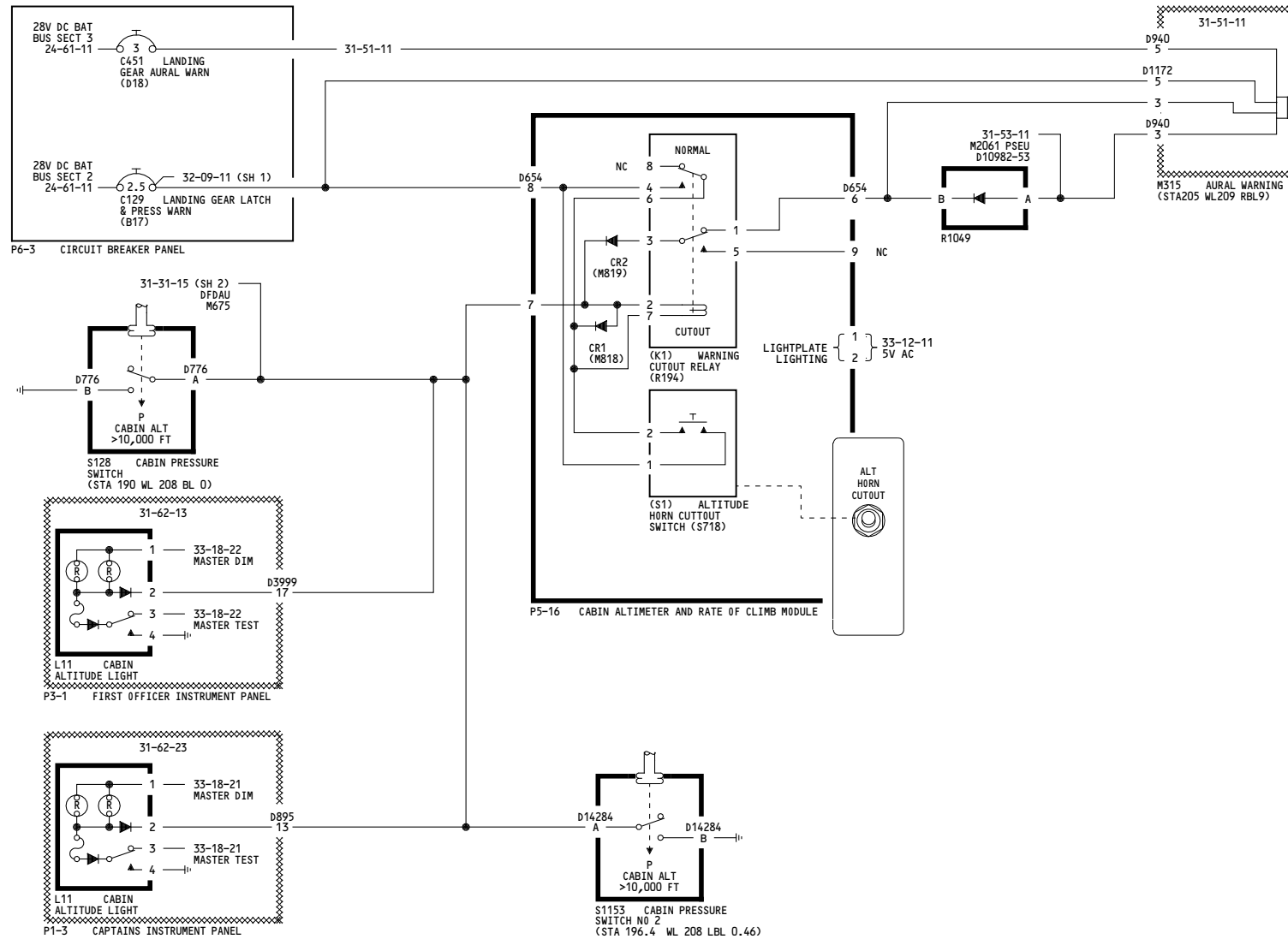
D280A451

21-31-25

Page 101

Jun 21/2016

19



ALL

CABIN PRESSURE WARNING

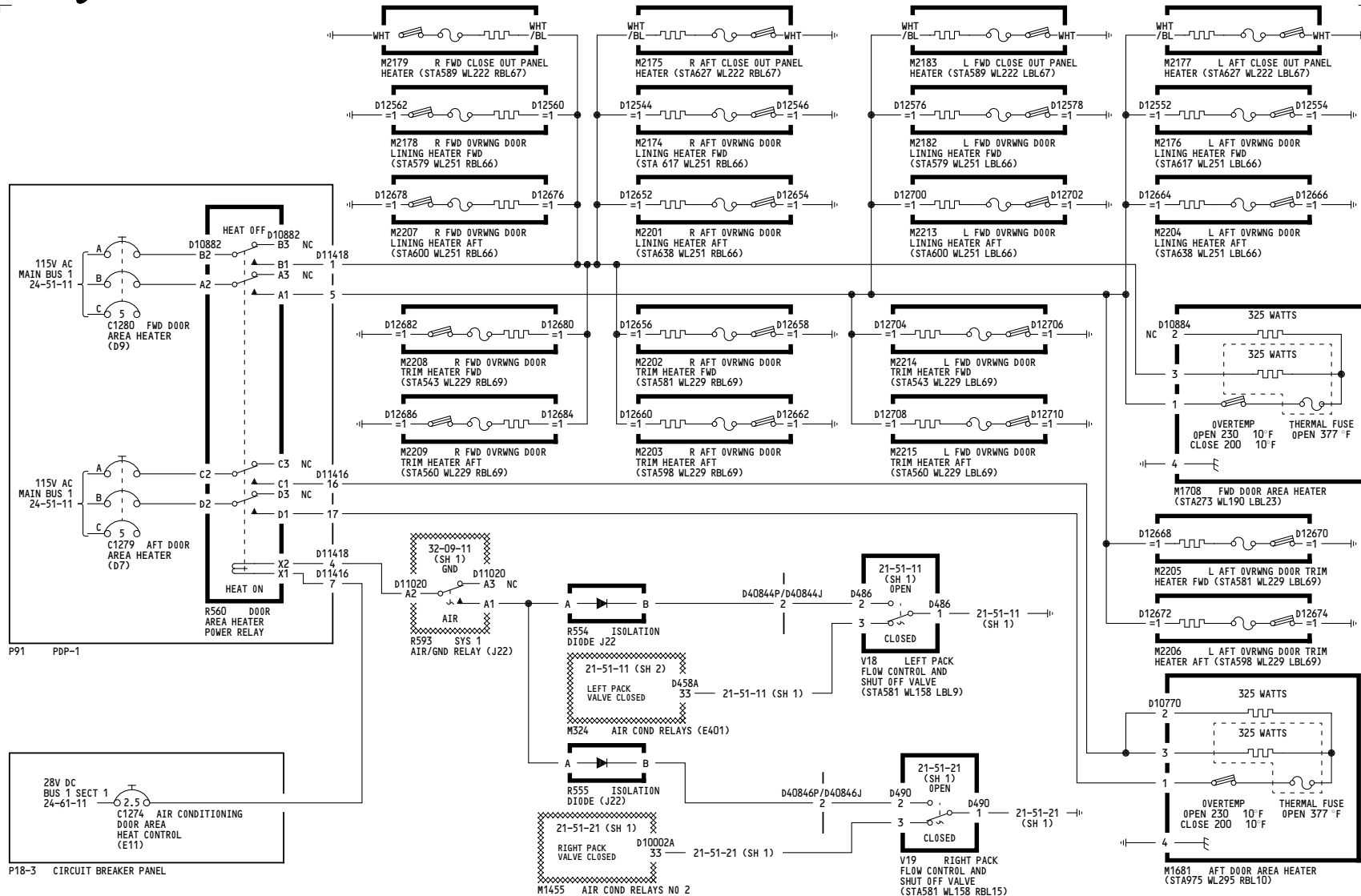
D280A451

21-33-11

Page 101

Jun 21/2016

-A
18



YT101-YT115, YT126-YT131

DOOR AREA HEATERS

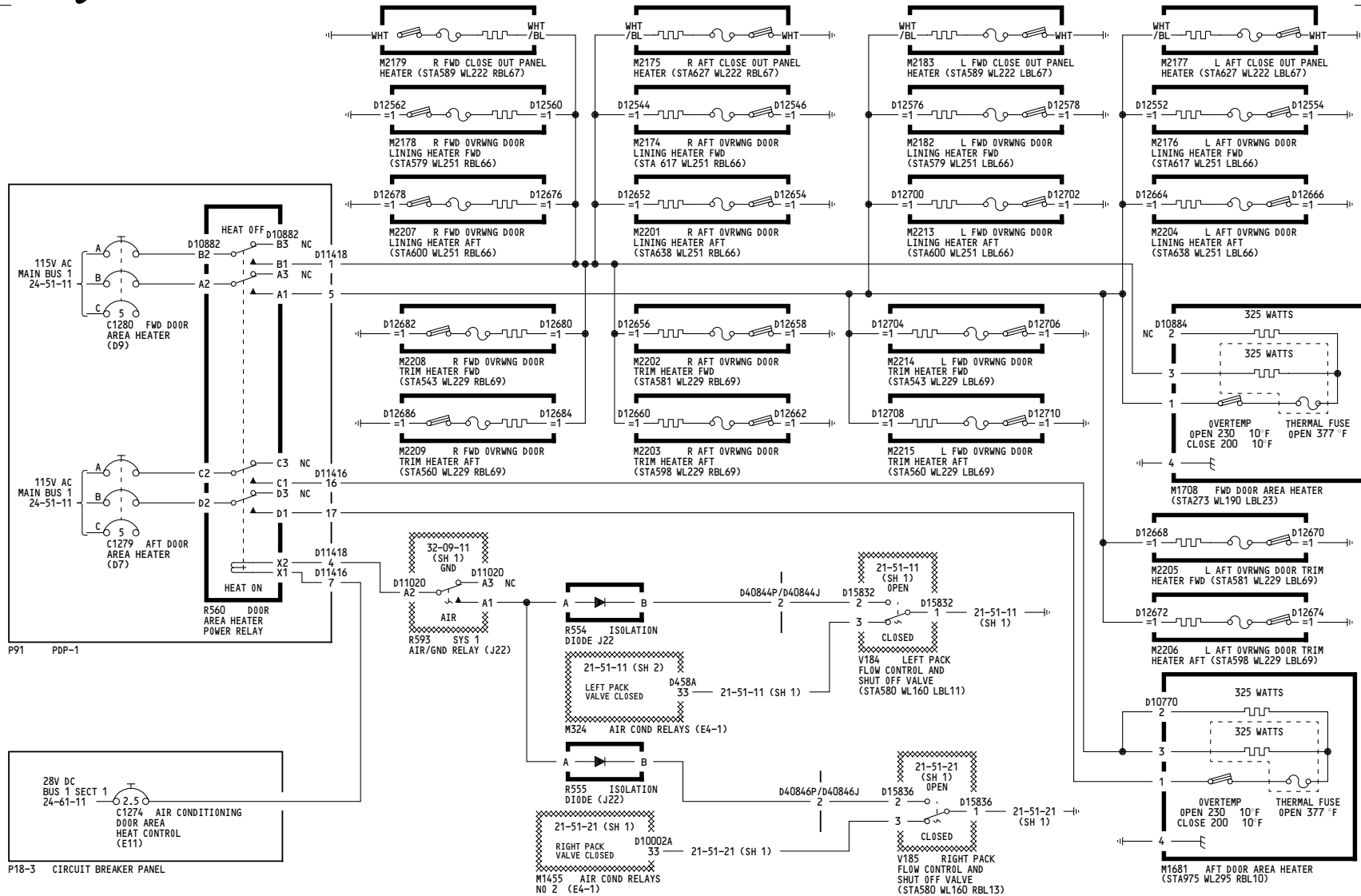
D280A451

21-42-11

Page 101

Aug 31/2015

-B-
34



YT116-YT120, YT132-YT133

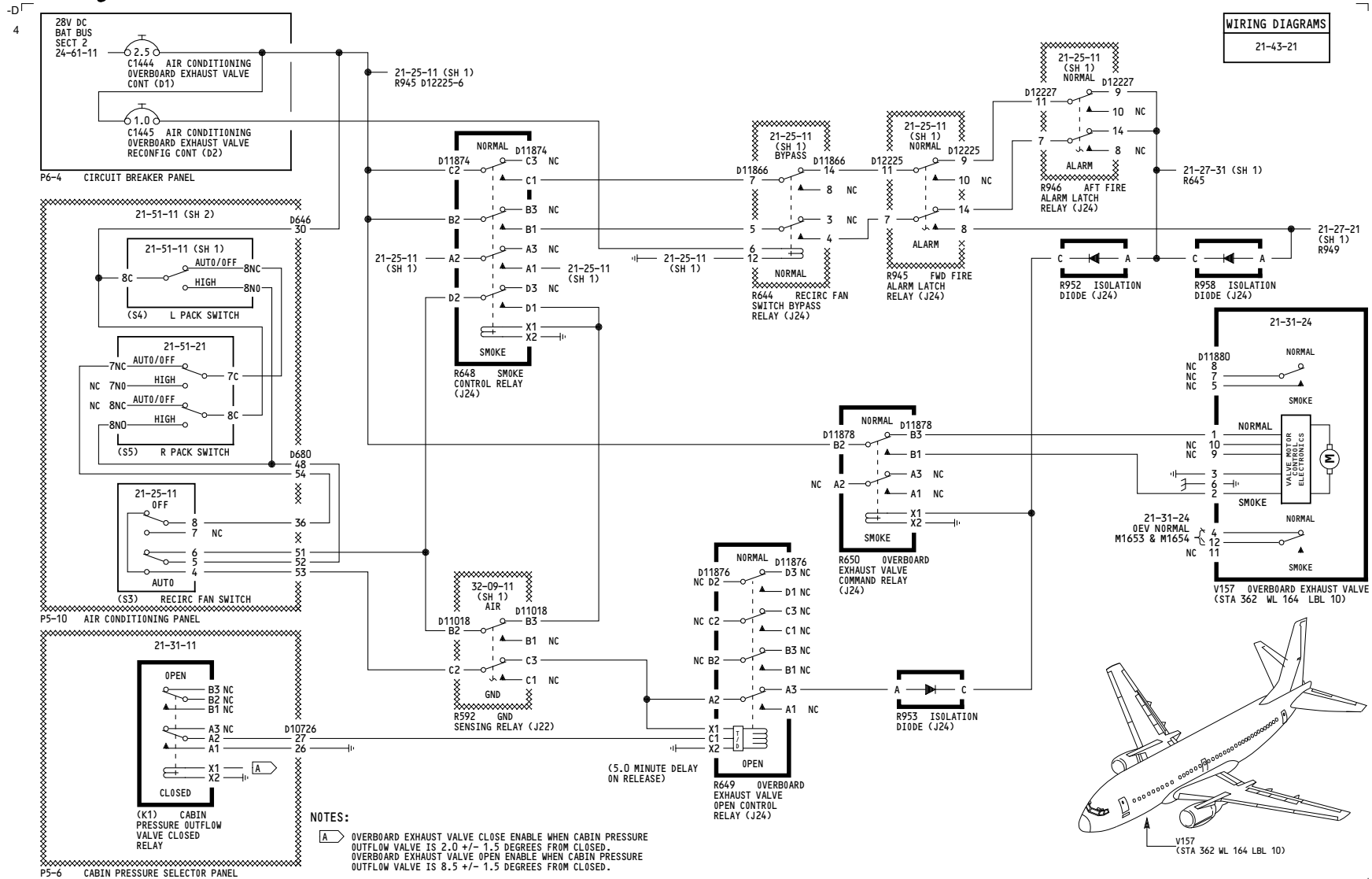
DOOR AREA HEATERS

D280A451

21-42-11

Page 102

Jun 21/2016



ALL

OVERBOARD EXHAUST VALVE CONTROL

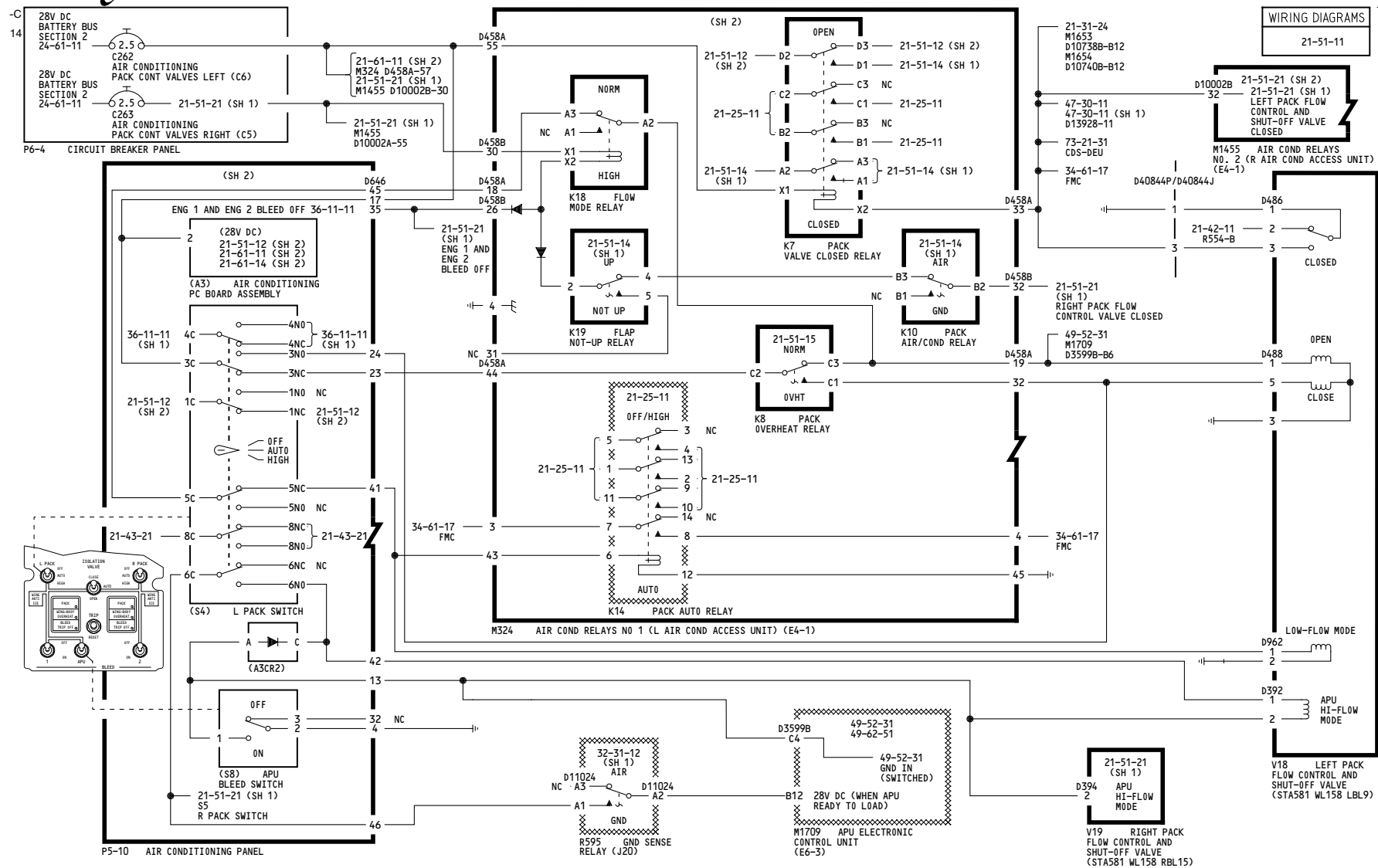
D280A451

21-43-21

Page 101

Jun 21/2016

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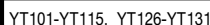
YT101-YT115, YT126-YT131

LEFT PACK VALVE CONTROL

21-51-11

Page 101
Sheet 1
Aug 31/2015

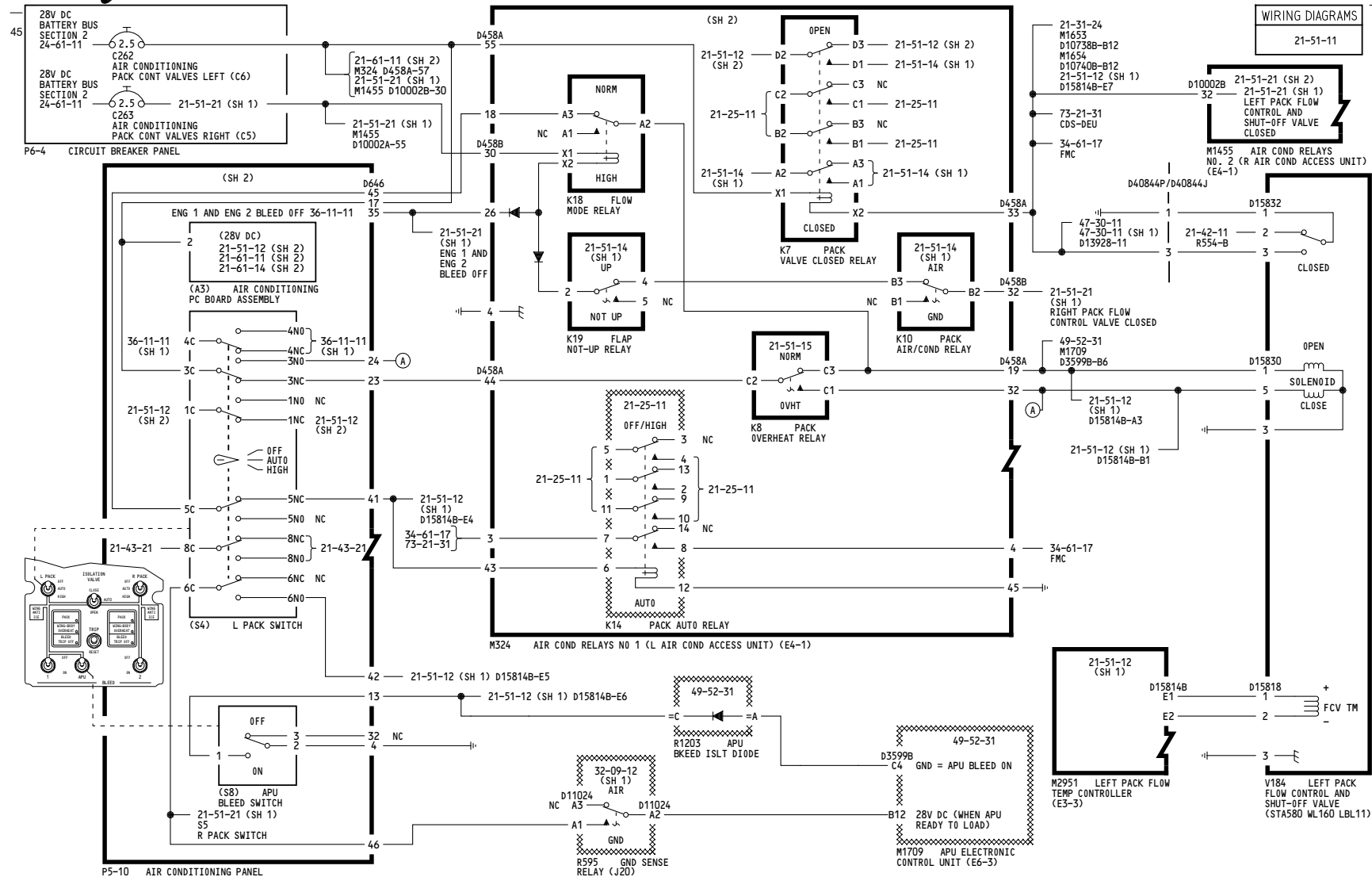
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21-51-11

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737-800 SYSTEM SCHEMATIC MANUAL



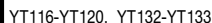
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LEFT PACK VALVE CONTROL

21-51-11

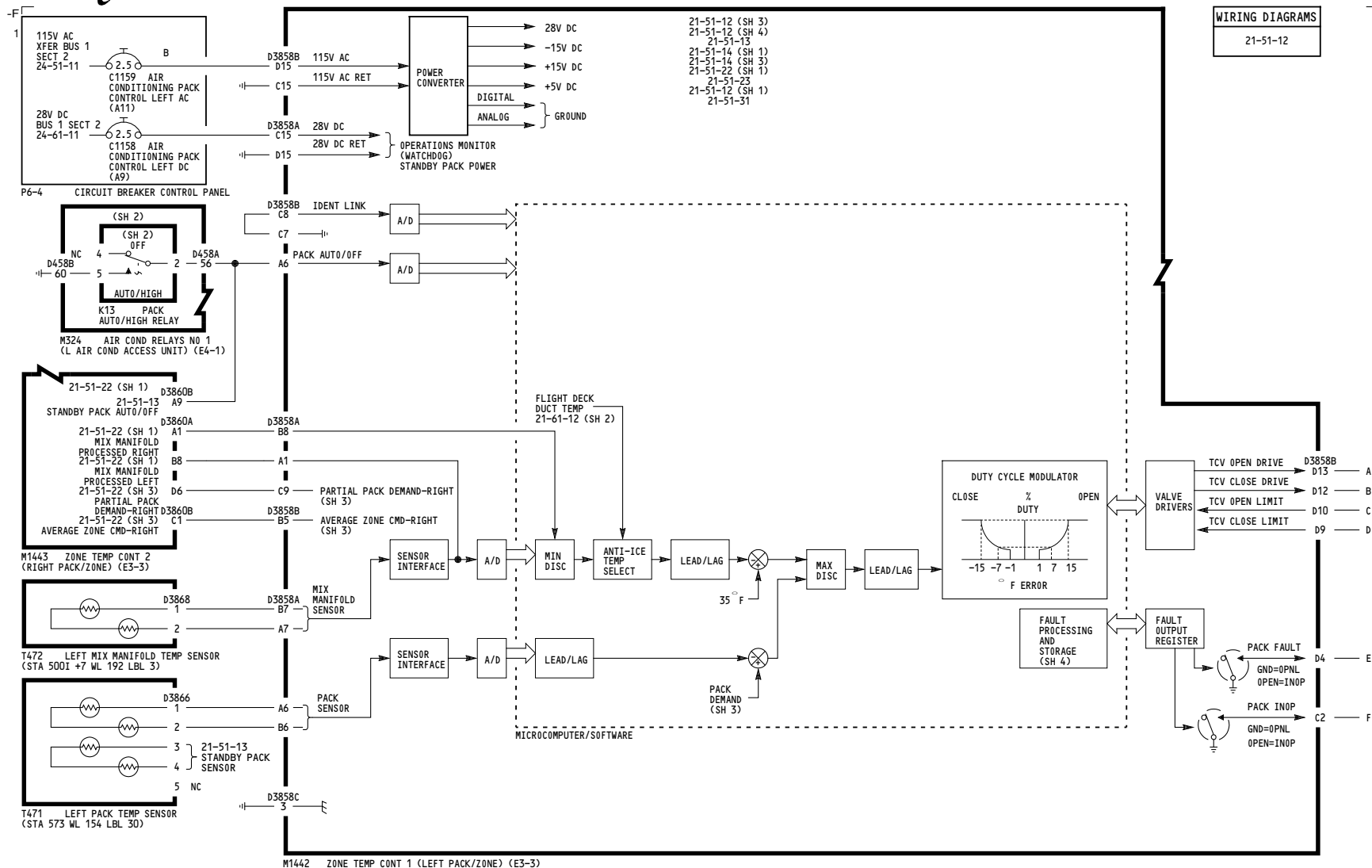
Page 102
Sheet 1
Jun 21/2016

D280A451



21-51-11

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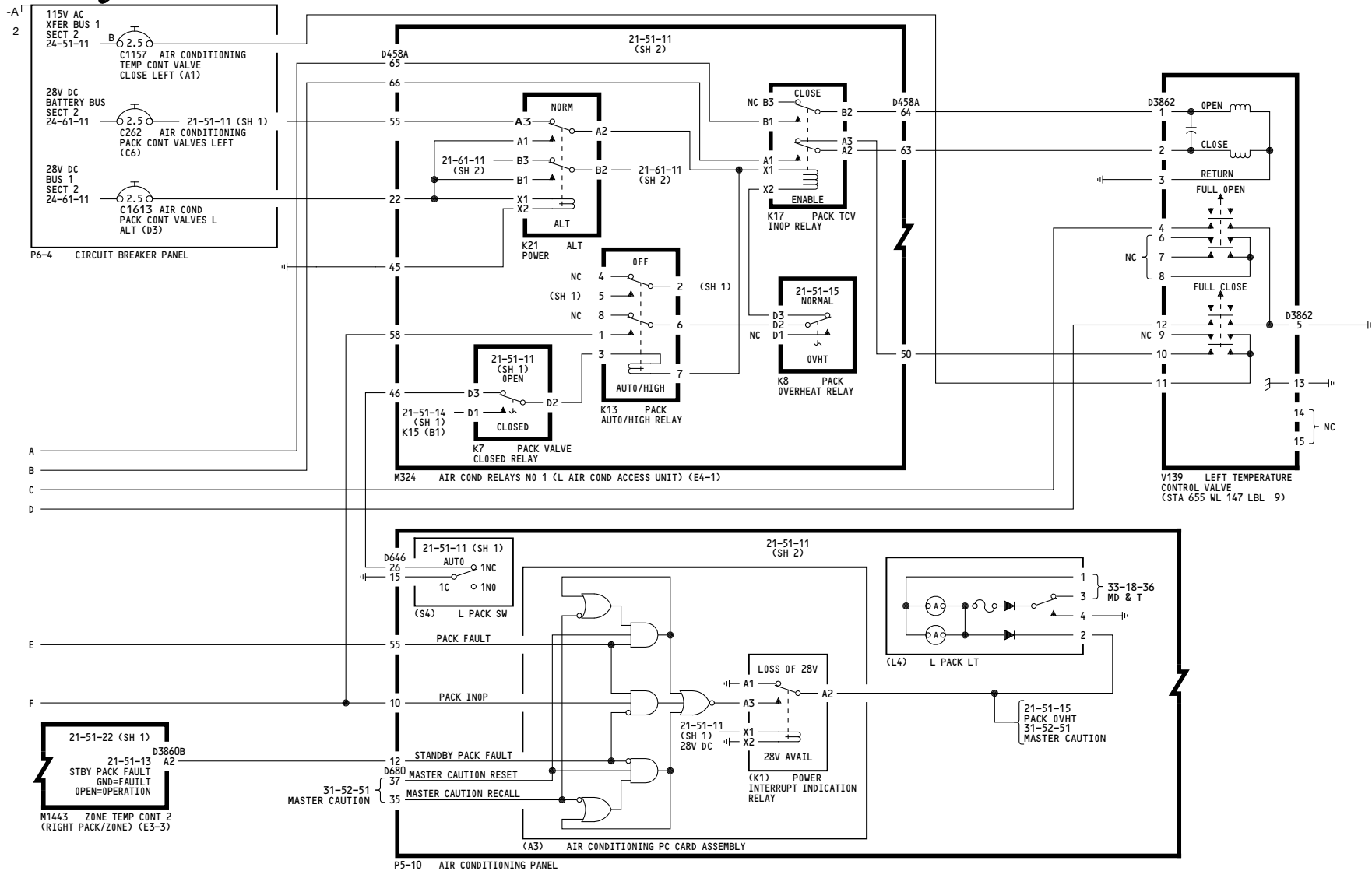
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LEFT AIR CONDITIONING PACK CONTROL - AUTO

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21-51-12

Page 101
Sheet 1
Aug 31/2015



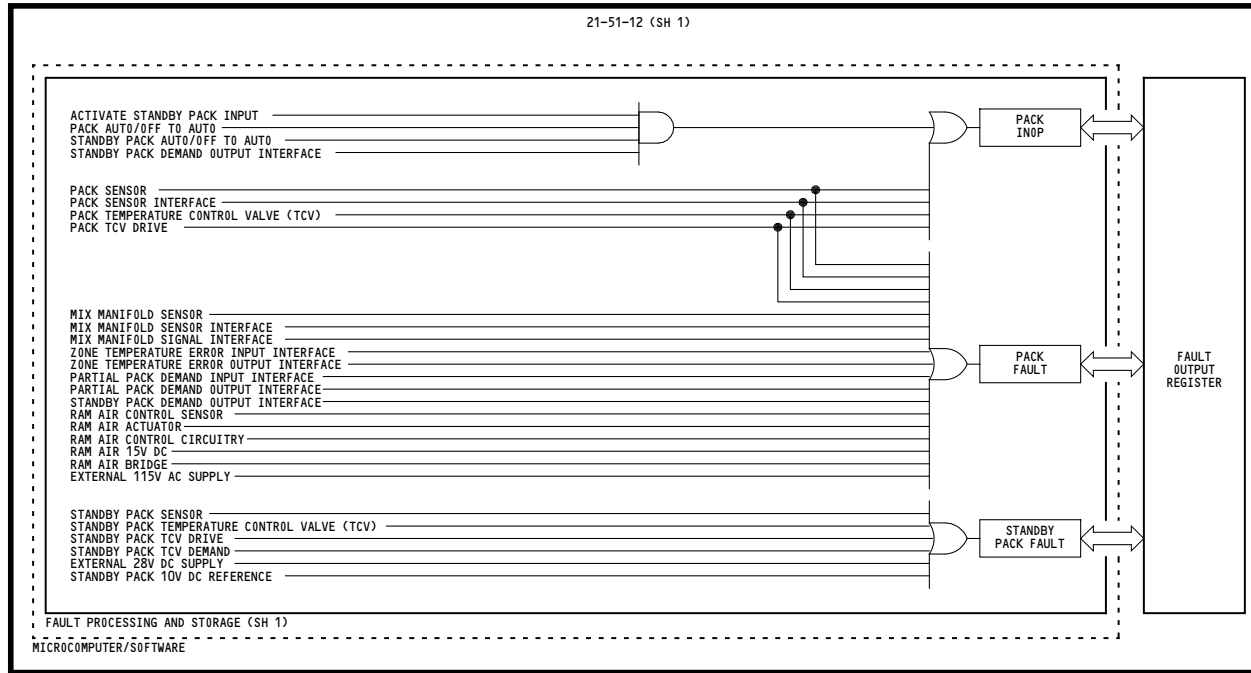
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**LEFT AIR CONDITIONING
PACK CONTROL - AUTO**

D280A451

21-51-12

Page 101
Sheet 2
Aug 31/2015



M1442 ZONE TEMP CONT 1 (LEFT PACK/ZONE) (E3-3)

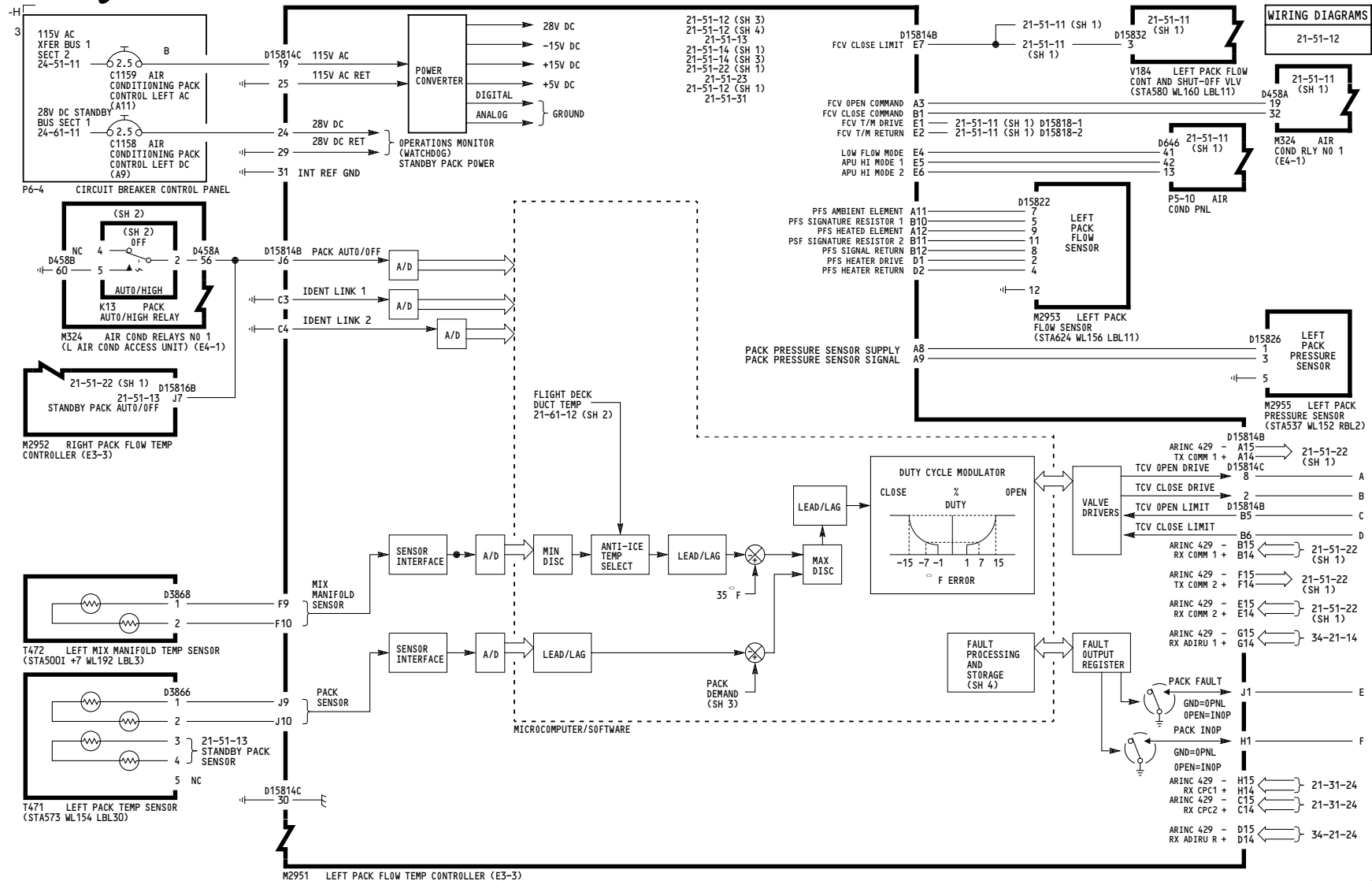
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**LEFT AIR CONDITIONING
PACK CONTROL - AUTO**

D280A451

21-51-12

Page 101
Sheet 4
Aug 31/2015



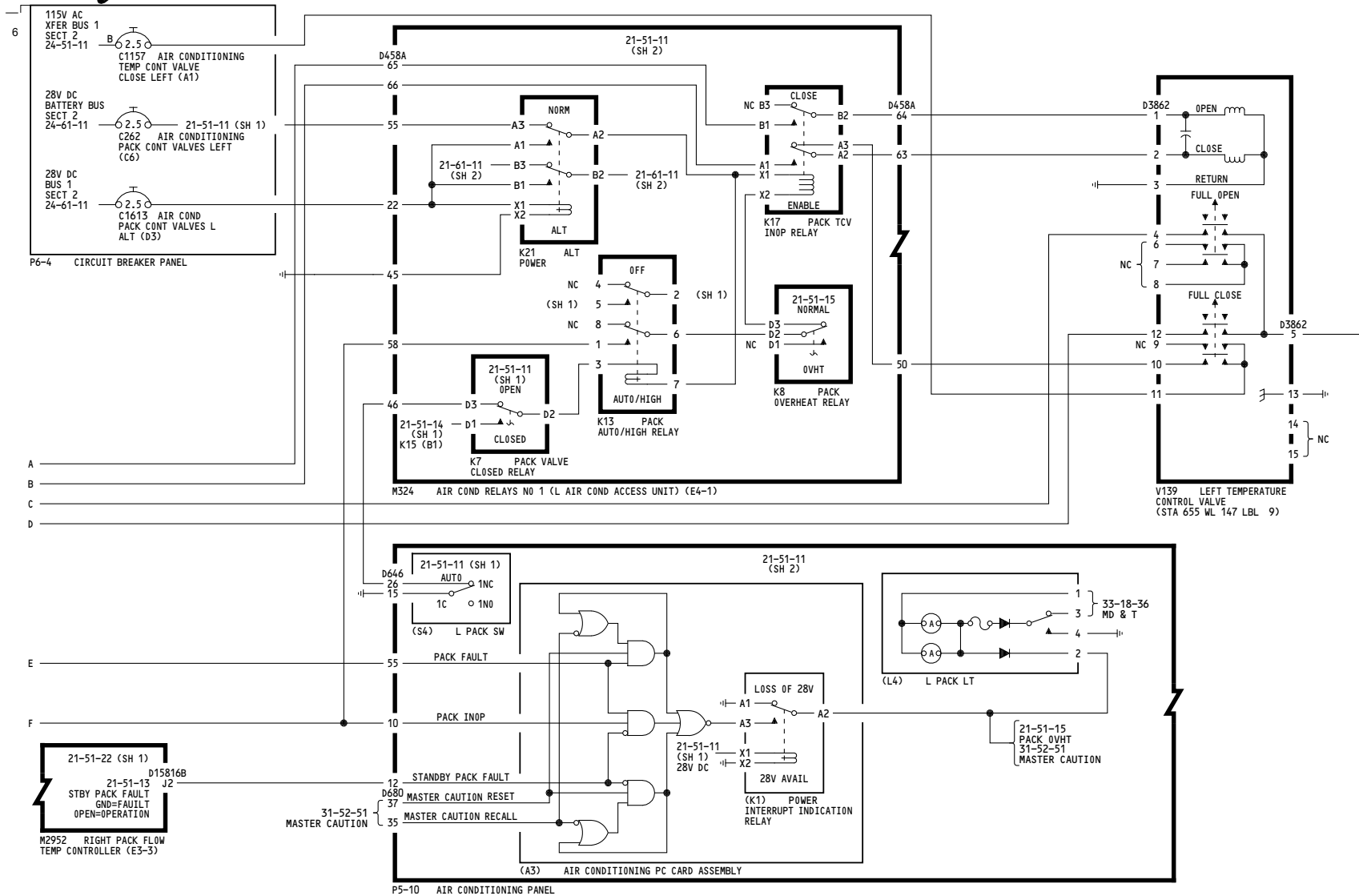
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**LEFT AIR CONDITIONING
PACK CONTROL - AUTO**

D280A451

21-51-12

Page 102
Sheet 1
Jun 21/2016



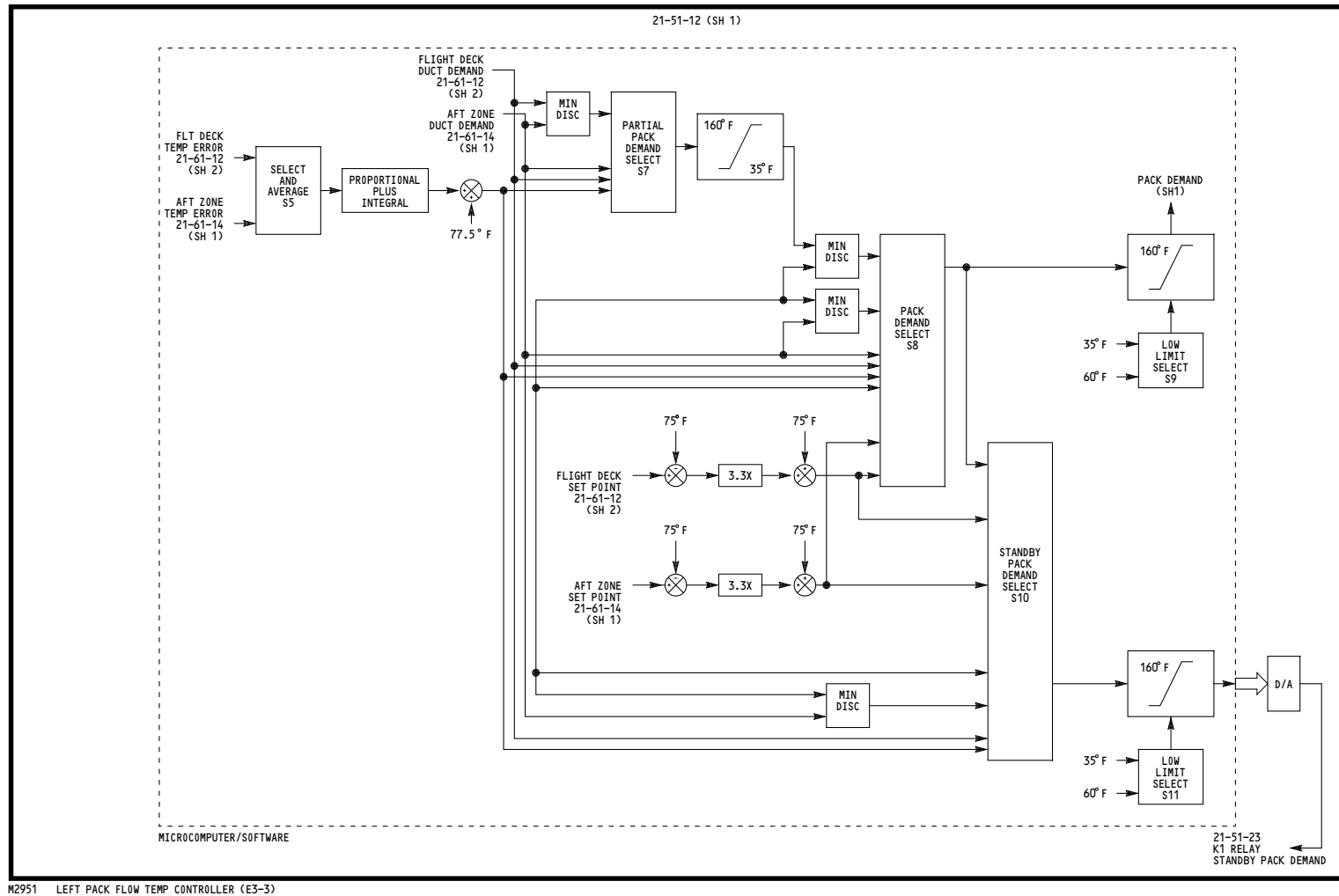
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LEFT AIR CONDITIONING PACK CONTROL - AUTO

D280A451

21-51-12

Page 102
Sheet 2
Jun 21/2016



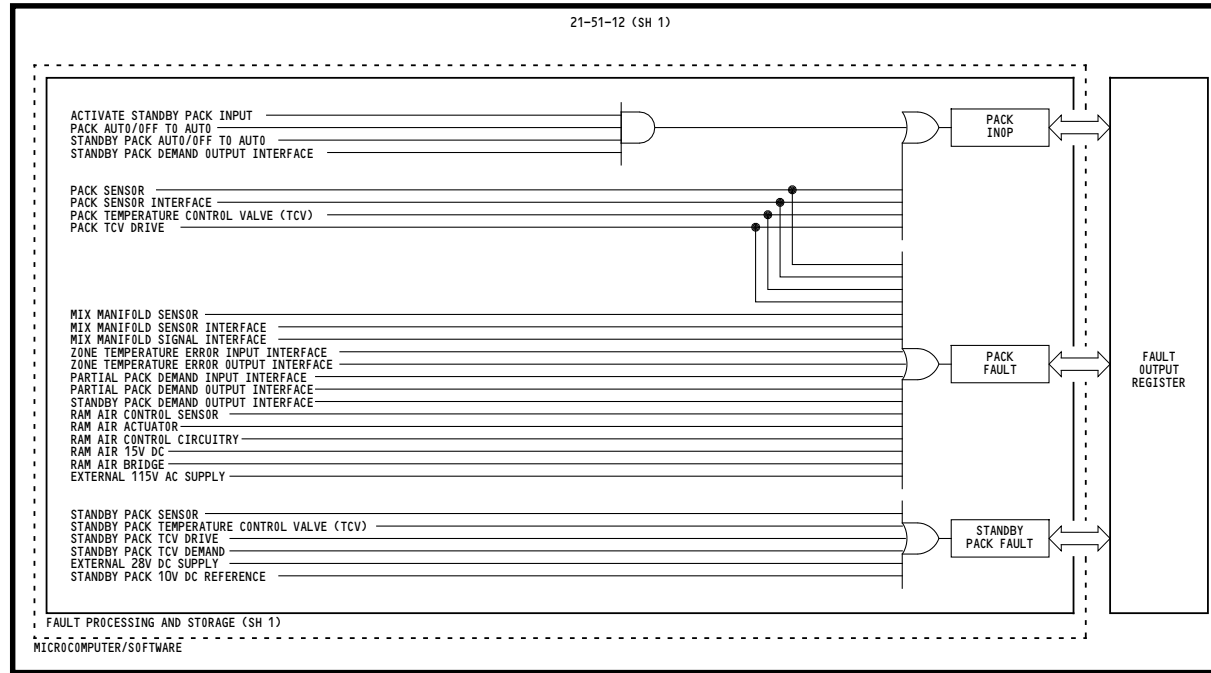
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LEFT AIR CONDITIONING PACK CONTROL - AUTO

D280A451

21-51-12

Page 102
Sheet 3
Jun 21/2016



M2951 LEFT PACK FLOW TEMP CONTROLLER (E3-3)

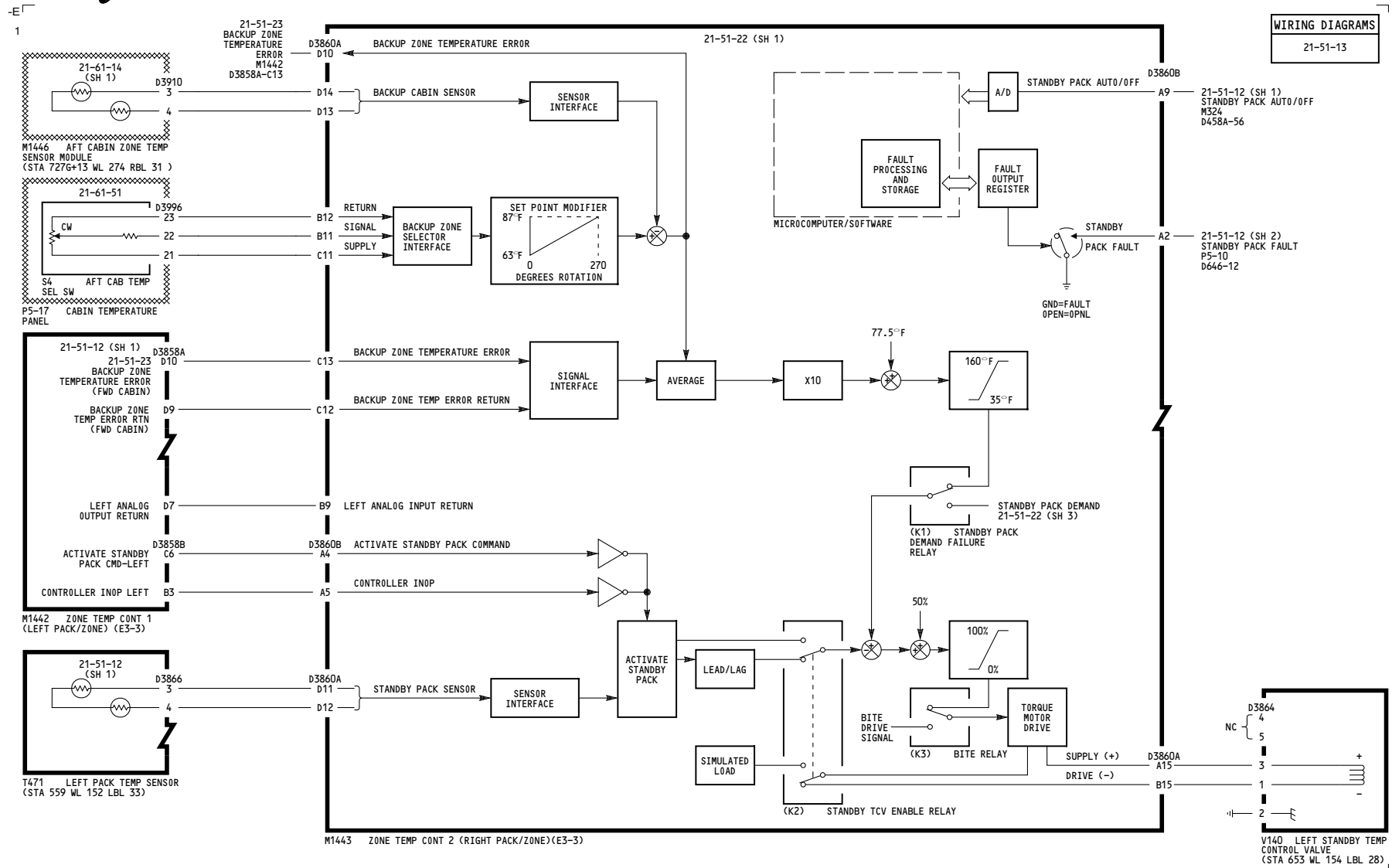
YT116-YT120, YT132-YT133

**LEFT AIR CONDITIONING
PACK CONTROL - AUTO**

D280A451

21-51-12

Page 102
Sheet 4
Jun 21/2016



YT101-YT115, YT126-YT131

**LEFT AIR CONDITIONING
PACK CONTROL STANDBY**

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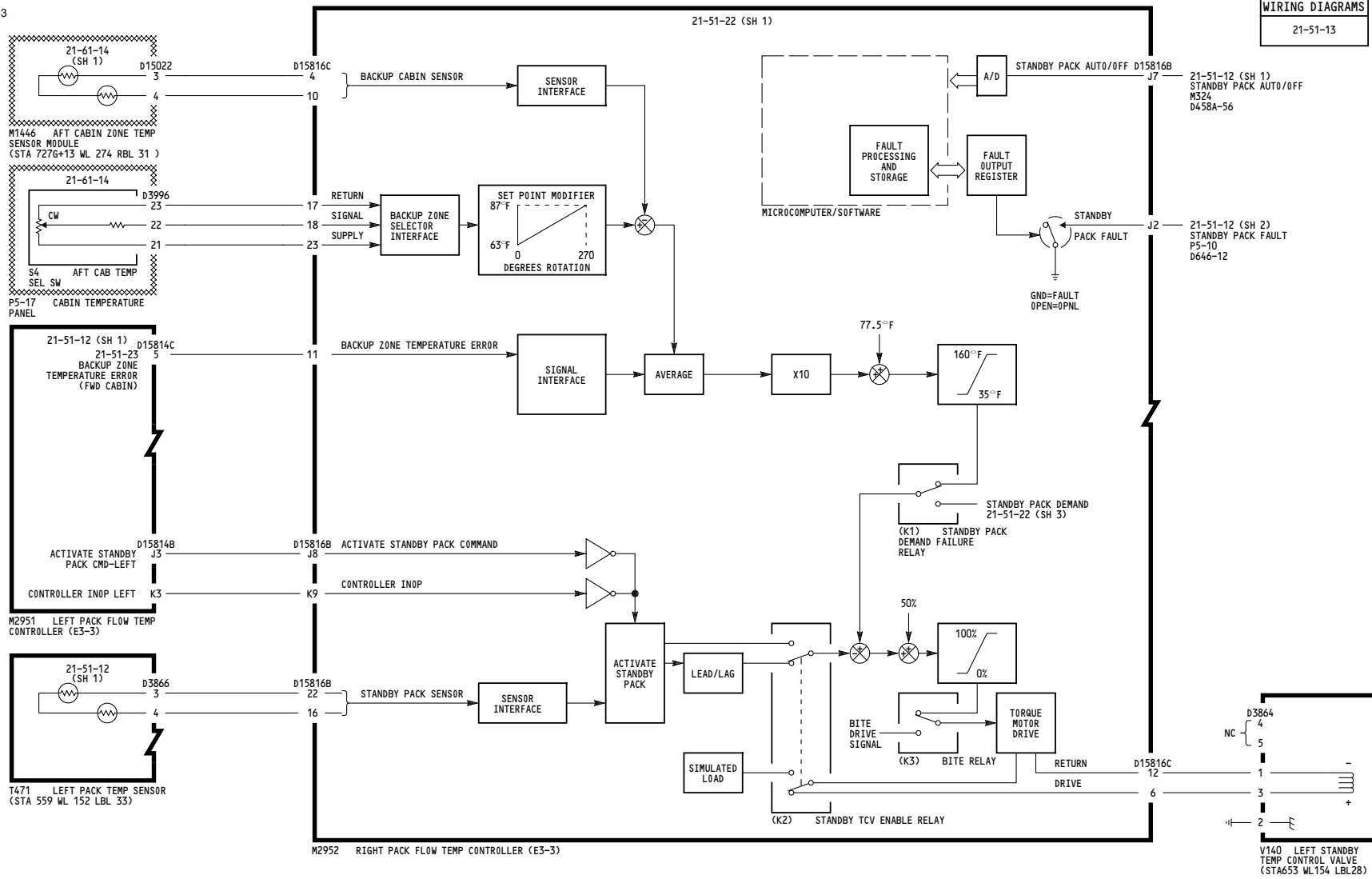
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Page 101

Aug 31/2015

WIRING DIAGRAMS

21-51-13



YT116-YT120, YT132-YT133

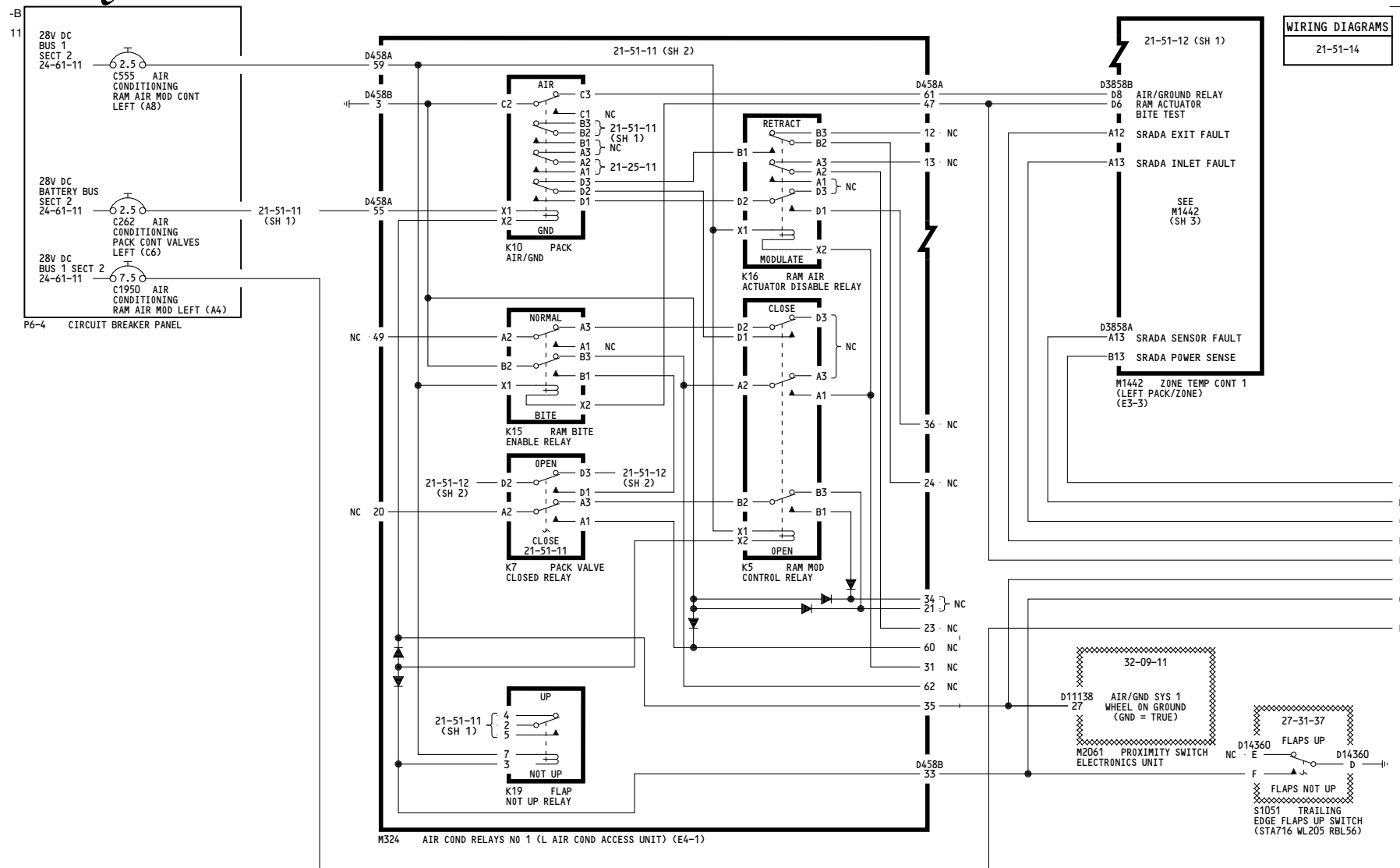
LEFT AIR CONDITIONING
PACK CONTROL STANDBY

D280A451

21-51-13

Page 102

Jun 21/2016



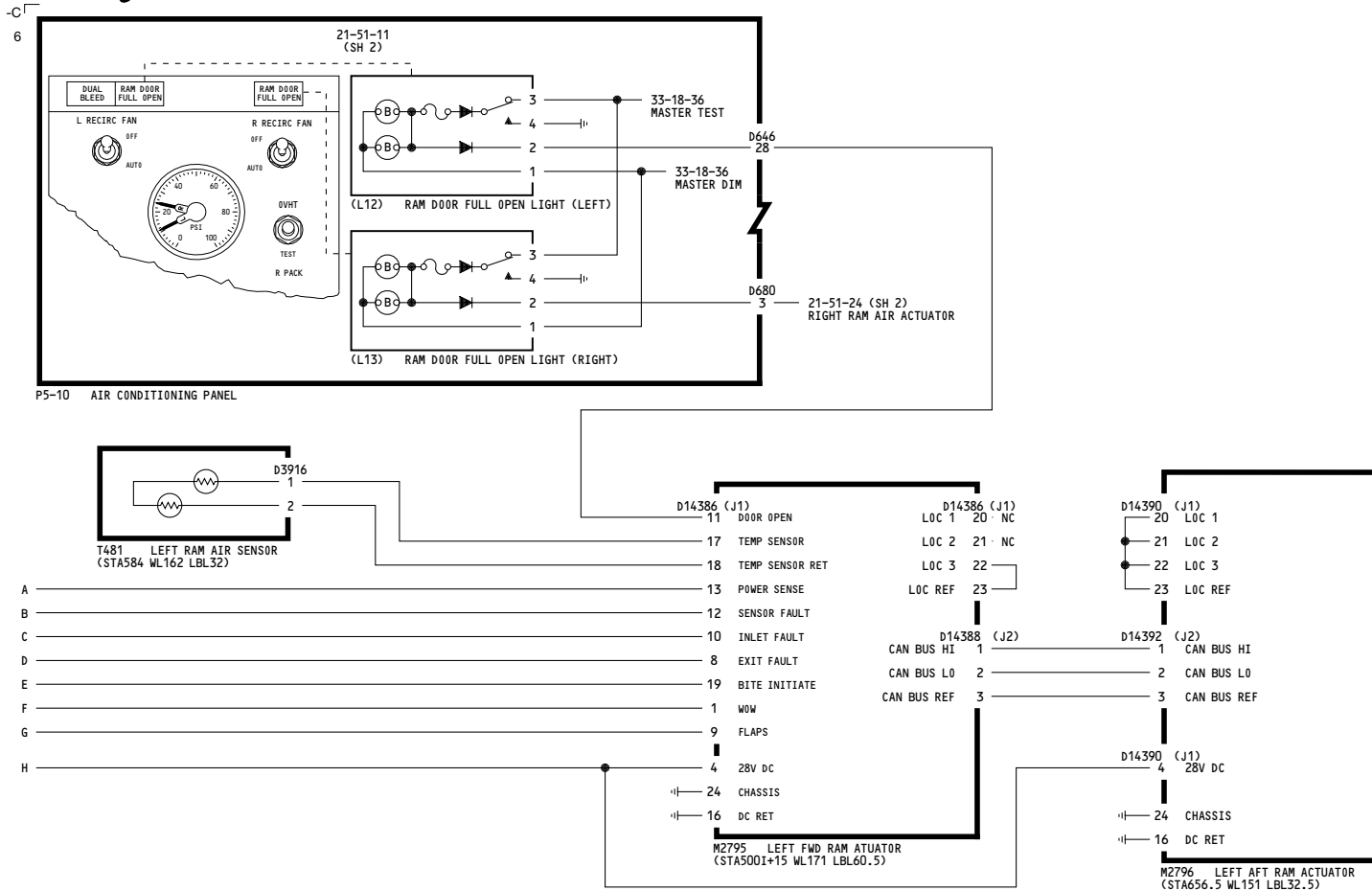
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LEFT RAM MODULATION CONTROL

D280A451

21-51-14

Page 101
Sheet 1
Aug 31/2015



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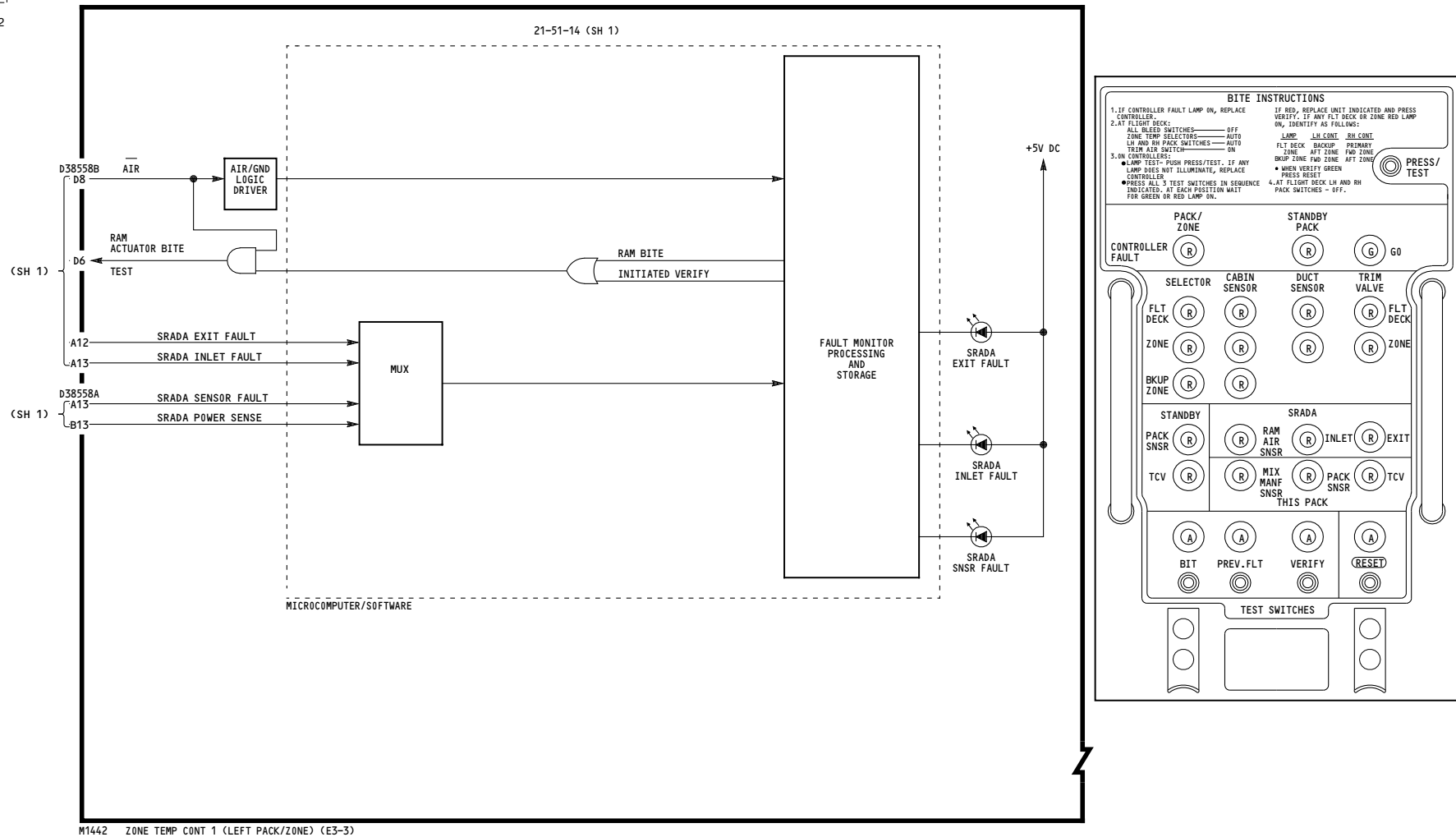
LEFT RAM MODULATION CONTROL

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21-51-14

Page 101
Sheet 2
Aug 31/2015

2



YT101-YT115, YT126-YT131

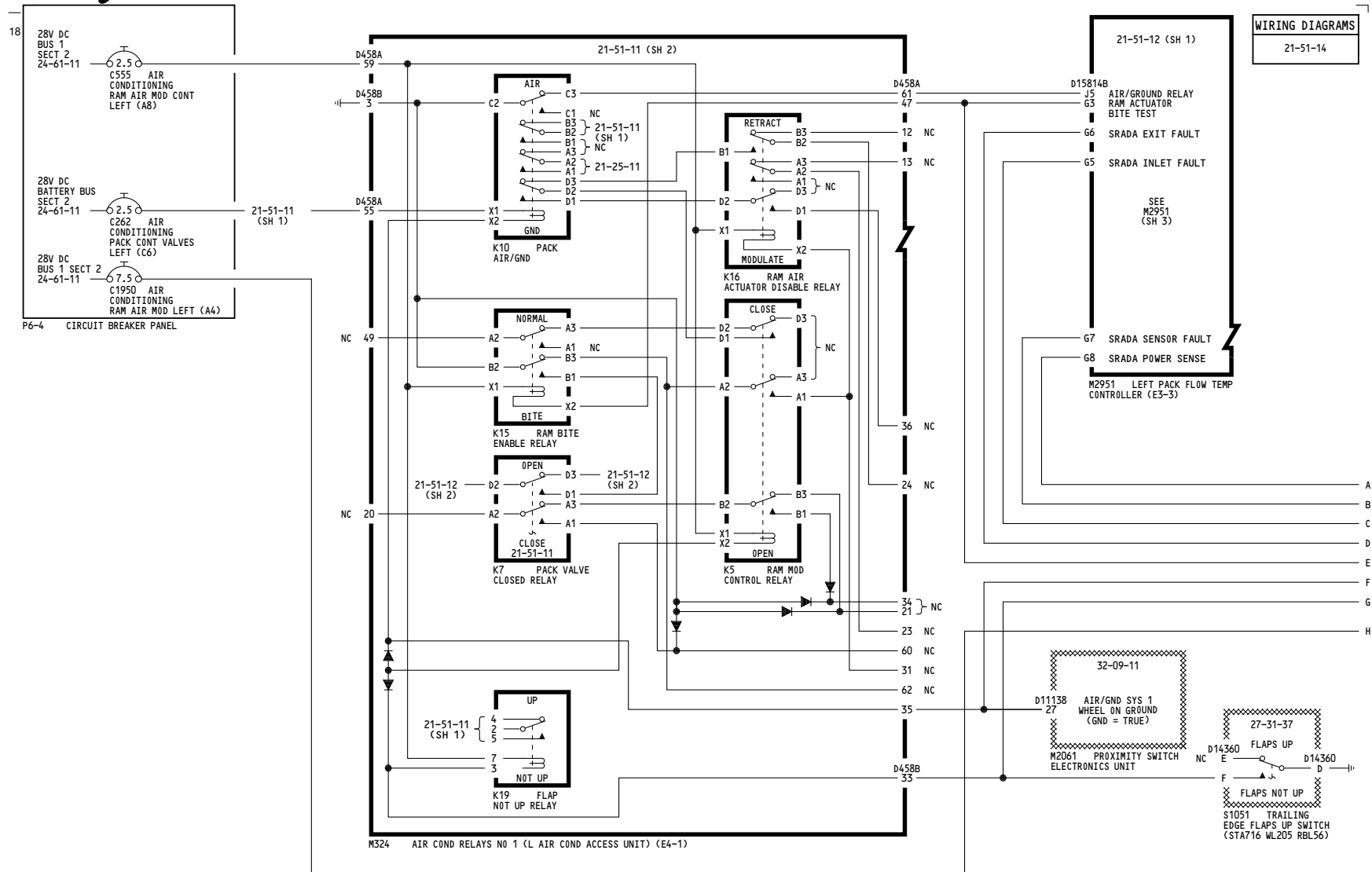
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21-51-14

Page 101
Sheet 3
Aug 31/2015

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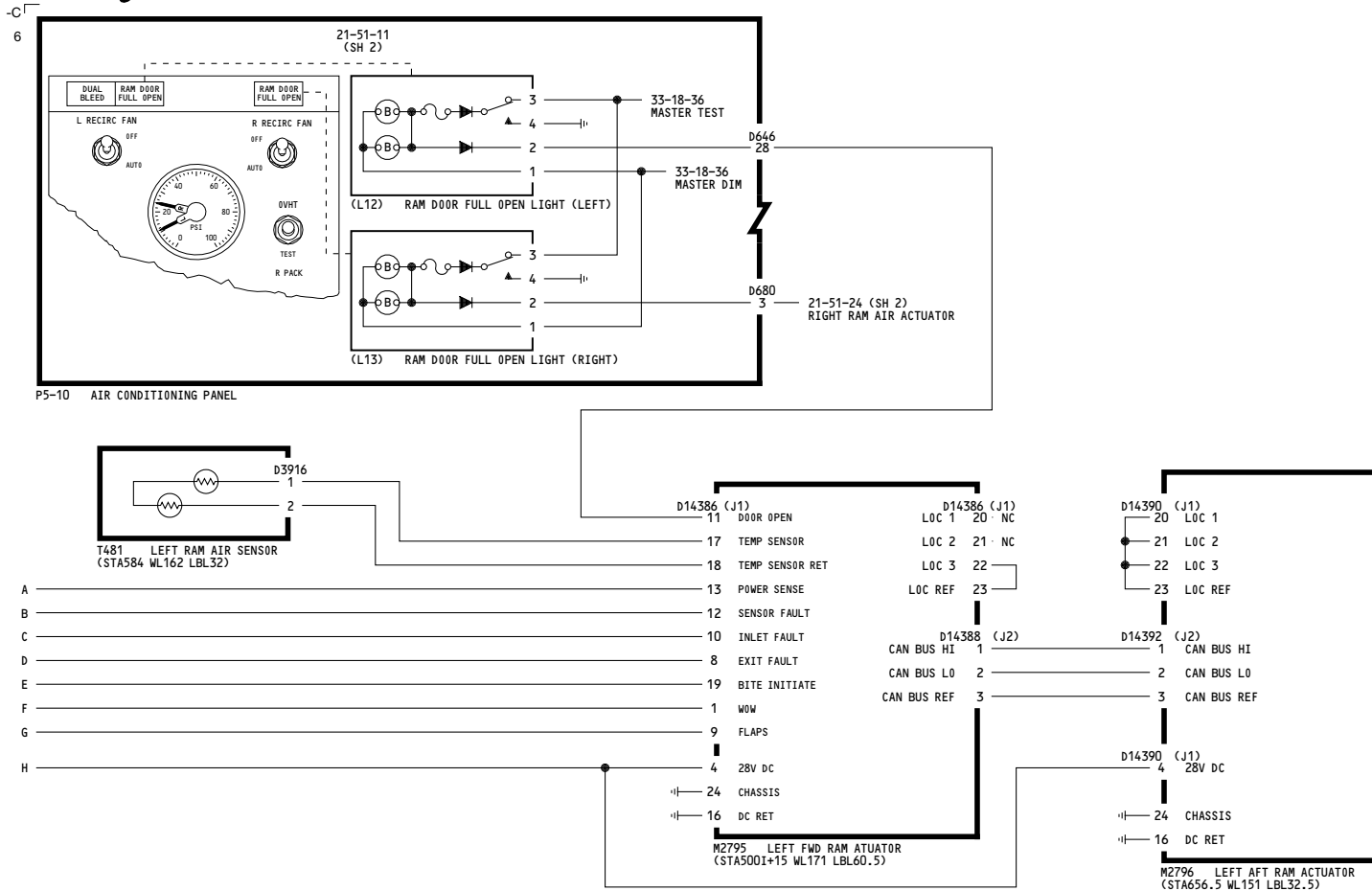
YT116-YT120, YT132-YT133

LEFT RAM MODULATION CONTROL

D280A451

21-51-14

Page 102
Sheet 1
Jun 21/2016



YT116-YT120, YT132-YT133

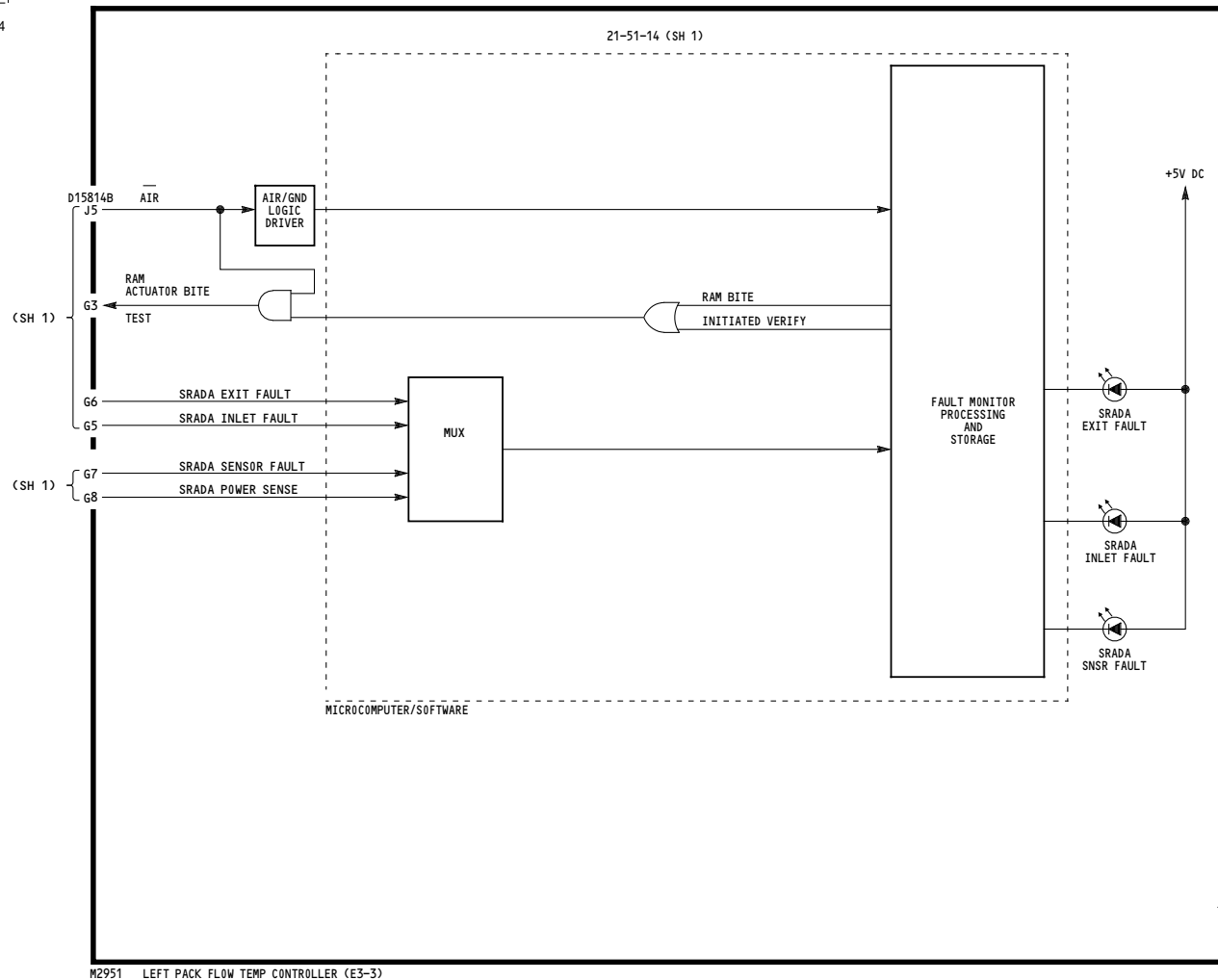
LEFT RAM MODULATION CONTROL

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21-51-14

Page 102
Sheet 2
Jun 21/2016

4



YT116-YT120, YT132-YT133

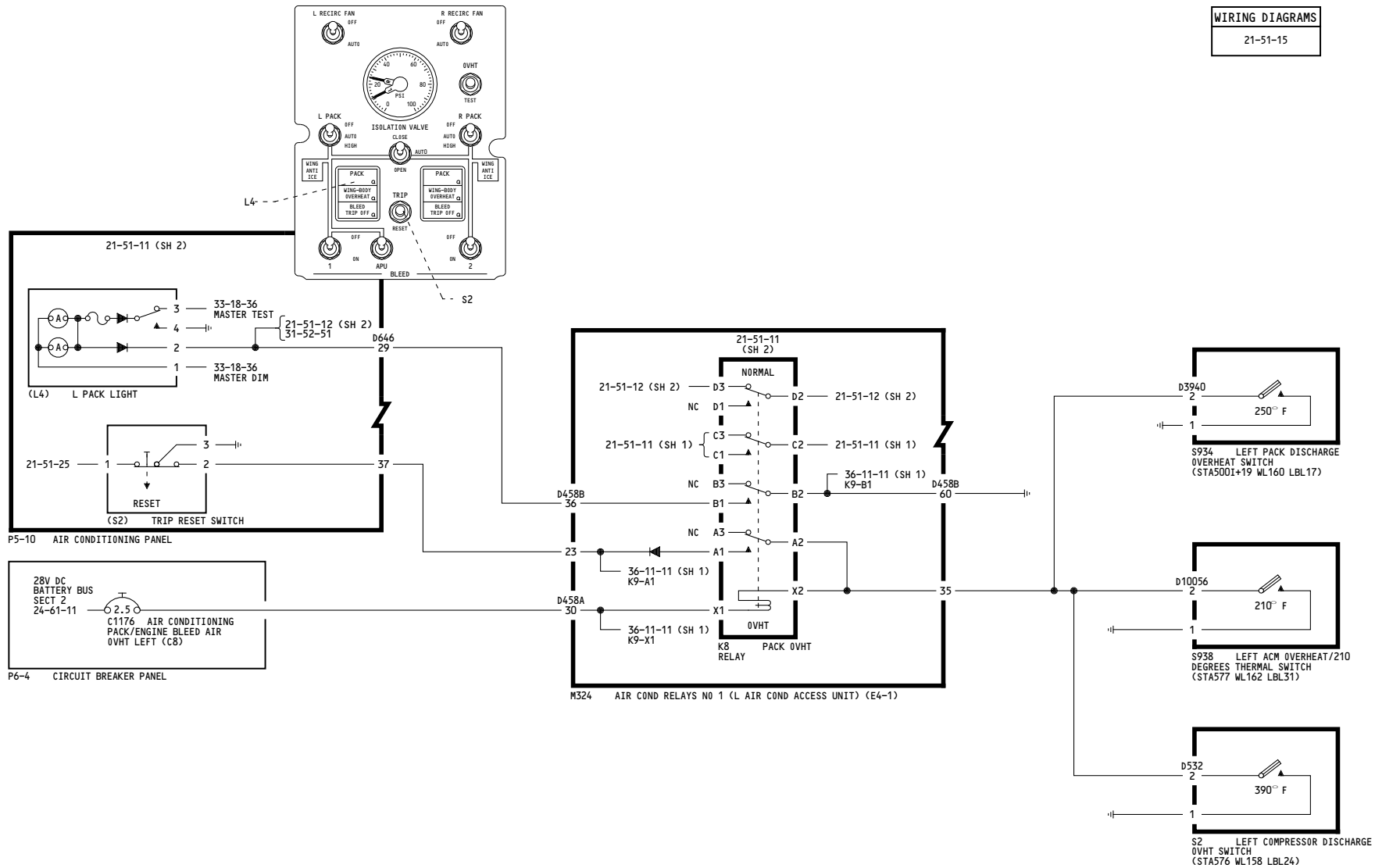
**LEFT RAM MODULATION
CONTROL**

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21-51-14

Page 102
Sheet 3
Jun 21/2016

-E-
3



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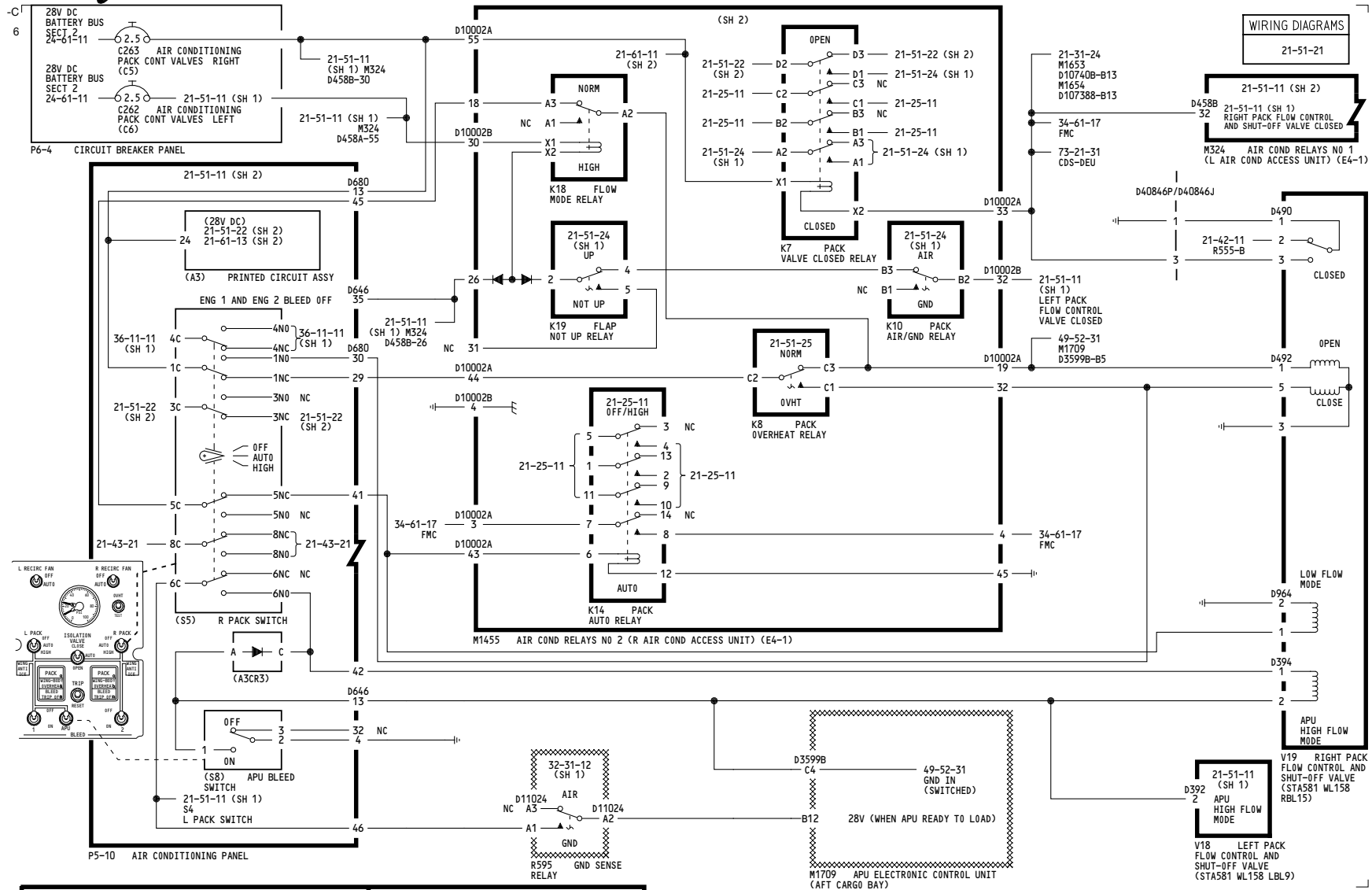
LEFT PACK PROTECTION

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21-51-15

Page 101

Jun 21/2016



YT101-YT115, YT126-YT131

RIGHT PACK VALVE CONTROL

D280A451

21-51-21

Page 101
Sheet 1
Aug 31/2015

-B-
1

D10002A		21-25-11		D10002B	
36-11-11 (SH 2)	1	ENG 2 BLEED VALVE CLOSE CMD	21-51-11 (SH 1)	1	NC
	2	ENG 2 BLEED VALVE OPEN CMD	21-51-21 (SH 1)	2	NC
34-61-17	3	R PACK AUTO	21-51-22 (SH 1)	3	21-51-24 (SH 1)
36-11-11 (SH 2)	4	R PACK AUTO	21-51-22 (SH 2)	4	21-51-21 (SH 1)
21-25-11	5	ENG 2 START	21-51-24 (SH 1)	5	NC
	6	L RECIRC FAN ENABLE	21-51-25	6	NC
	7		21-61-11 (SH 2)	7	NC
36-11-11 (SH 2)	8	ENG 2 BLEED VALVE DRIVE CMD	21-61-12 (SH 1)	8	NC
21-25-11	9	L RECIRC FAN ENABLE	21-61-13 (SH 2)	9	NC
	10		36-11-11 (SH 2)	10	NC
21-61-13 (SH 2)	11	PRIMARY FWD ZONE FAULT	34-61-17	11	NC
21-51-24 (SH 1)	12	R RAM AIR ACTUATOR RETRACT CMD (IN)		12	NC
	13	R RAM AIR ACTUATOR EXTEND CMD (IN)		13	NC
21-25-11	14	L RECIRC FAN ENABLE		14	R RECIRC FAN ENABLE
21-61-12 (SH 1)	15	L RECIRC FAN ENABLE		15	R RECIRC FAN ENABLE
21-25-11	16	BACKUP FLIGHT DECK FAULT		16	R RECIRC FAN ENABLE
21-25-11	17	L RECIRC FAN ENABLE		17	NC
21-51-21 (SH 1)	18	28V DC OUT IN AUTO		18	NC
	19	R PACK VALVE OPEN CMD		19	NC
	20	R TURBOFAN VALVE PWR (28V DC)		20	FWD ZONE OVHT PWR (28V DC)
	21	R RAM AIR ACTUATOR MODE SW INPUT		21	NC
	22			22	NC
21-51-24 (SH 1)	23	R RAM AIR ACTUATOR EXTEND CMD (OUT)		23	BLEEN TRIP RESET IN
21-61-12 (SH 1)	24	R RAM AIR ACTUATOR DRIVE CMD		24	ENG 2 BLEED VALVE OPEN
21-61-11 (SH 2)	25	FLT DK TRIM VALVE OPEN DRIVE CMD (IN)		25	NC
	26	FLT DK TRIM VALVE OPEN DRIVE CMD (OUT)		26	BOTH ENG BLEEDS OFF (IN) GND
	27	FLT DK TRIM VALVE CLOSE DRIVE CMD (OUT)		27	NC
	28			28	R RECIRC FAN ENABLE
21-25-11	29	L RECIRC FAN ENABLE		29	R RECIRC FAN ENABLE
21-51-25	30	28V DC BLEED AIR OVHT PWR		30	L PACK VALVES PWR (28V DC)
	31	R TURBO FAN VALVE LIMIT SW		31	NC
	32	R PACK VALVE CLOSE CMD		32	L PACK VALVE CLOSED
21-51-21 (SH 1)	33	R PACK VALVE CLOSED		33	GND WHEN FLAPS NOT UP
	34	R RAM AIR ACTUATOR MODE SW INPUT		34	FWD ZONE TRIM DISABLE
21-51-24 (SH 1)	35	GND WHEN AIR/GND TO GND		35	R PACK OVHT (IN)
21-61-12 (SH 1)	36	R RAM AIR ACTUATOR RETRACT CMD (OUT)		36	R PACK LIGHT
	37	FLT DK TRIM VALVE CLOSE DRIVE CMD (IN)		37	NC
	38			38	NC
	39			39	NC
	40			40	NC
	41			41	FLT DK TRIM VALVE CLOSE DRIVE CMD (IN)
	42			42	NC
21-51-21 (SH 1)	43	28V DC IN AUTO		43	NC
	44	28V DC IN (AUTO OR HIGH)		44	NC
21-51-22 (SH 2)	45	DC GROUND		45	R BLEED TRIP OFF LIGHT
21-51-24 (SH 1)	46	GND IN (AUTO OR HIGH)		46	NC
	47	R RAM AIR ACTUATOR BITE ENABLE		47	NC
	48			48	FWD ZONE OVHT (IN)
21-51-24 (SH 1)	49	R RAM MOD PWR (115V AC)		49	FWD ZONE OVHT (OUT)
21-51-22 (SH 2)	50	R PACK TCV CLOSE DRIVE CMD (IN)		50	NC
	51	FWD ZONE TRIM VALVE CLOSE DRIVE CMD (OUT)		51	NC
21-61-13 (SH 2)	52	FWD ZONE TRIM VALVE OPEN DRIVE CMD (OUT)		52	NC
	53	FWD ZONE TRIM VALVE CLOSE DRIVE CMD (IN)		53	NC
	54	FWD ZONE TRIM VALVE OPEN DRIVE CMD (IN)		54	NC
21-51-21 (SH 1)	55	R PACK VALVES PWR (28V DC)		55	NC
21-51-22 (SH 1)	56	GND IN (AUTO OR HIGH)		56	NC
	57			57	NC
21-51-22 (SH 2)	58	R PACK INOP (IN)		58	NC
21-51-24 (SH 1)	59	R RAM MOD CONTROL PWR (28V DC)		59	NC
	60	R TURBOFAN VALVE CLOSE CMD		60	DC GROUND
21-51-24 (SH 1)	61	GND OUT (AIR/GND = GND)		61	21-51-25
	62	R TURBOFAN VALVE LIMIT SW		62	NC
	63	R PACK TCV CLOSE DRIVE CMD (OUT)		63	NC
21-51-22 (SH 2)	64	R PACK TCV OPEN DRIVE CMD (OUT)		64	NC
	65	R PACK TCV OPEN DRIVE CMD (IN)		65	NC
	66	R PACK TCV CLOSE DRIVE CMD (IN)		66	NC
21-61-13 (SH 2)	67	FWD ZONE TRIM VALVE CLOSE DRIVE CMD (IN)		67	NC

M1455 AIR COND RELAYS NO. 2 (R AIR COND ACCESS UNIT) (E4-1)

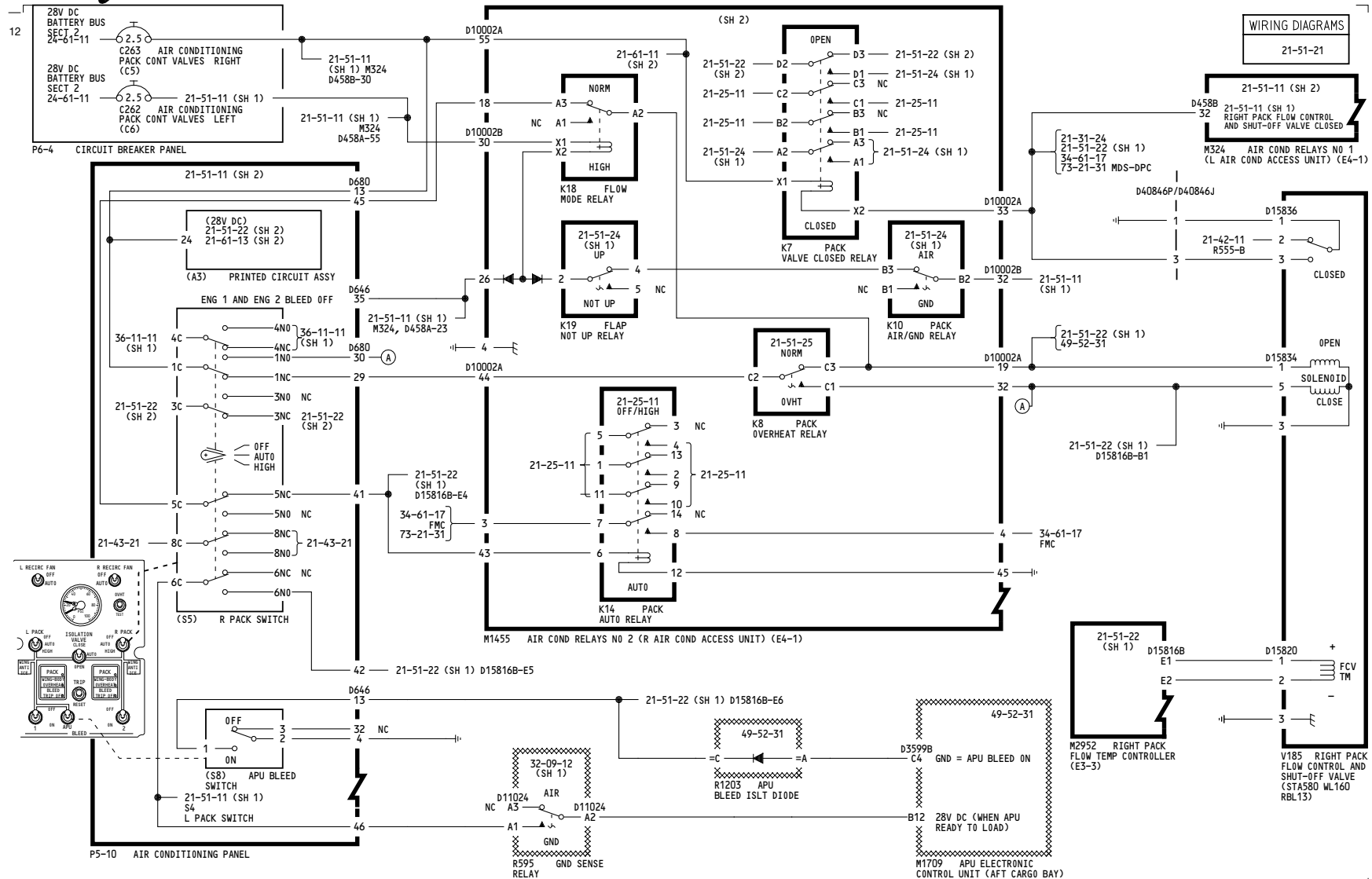
YT101-YT115, YT126-YT131

RIGHT PACK VALVE CONTROL

D280A451

21-51-21

Page 101
Sheet 2
Aug 31/2015



YT116-YT120, YT132-YT133

RIGHT PACK VALVE CONTROL

D280A451

21-51-21

Page 102
Sheet 1
Jun 21/2016

-B-
1



M1455 AIR COND RELAYS NO. 2 (R AIR COND ACCESS UNIT) (E4-1)

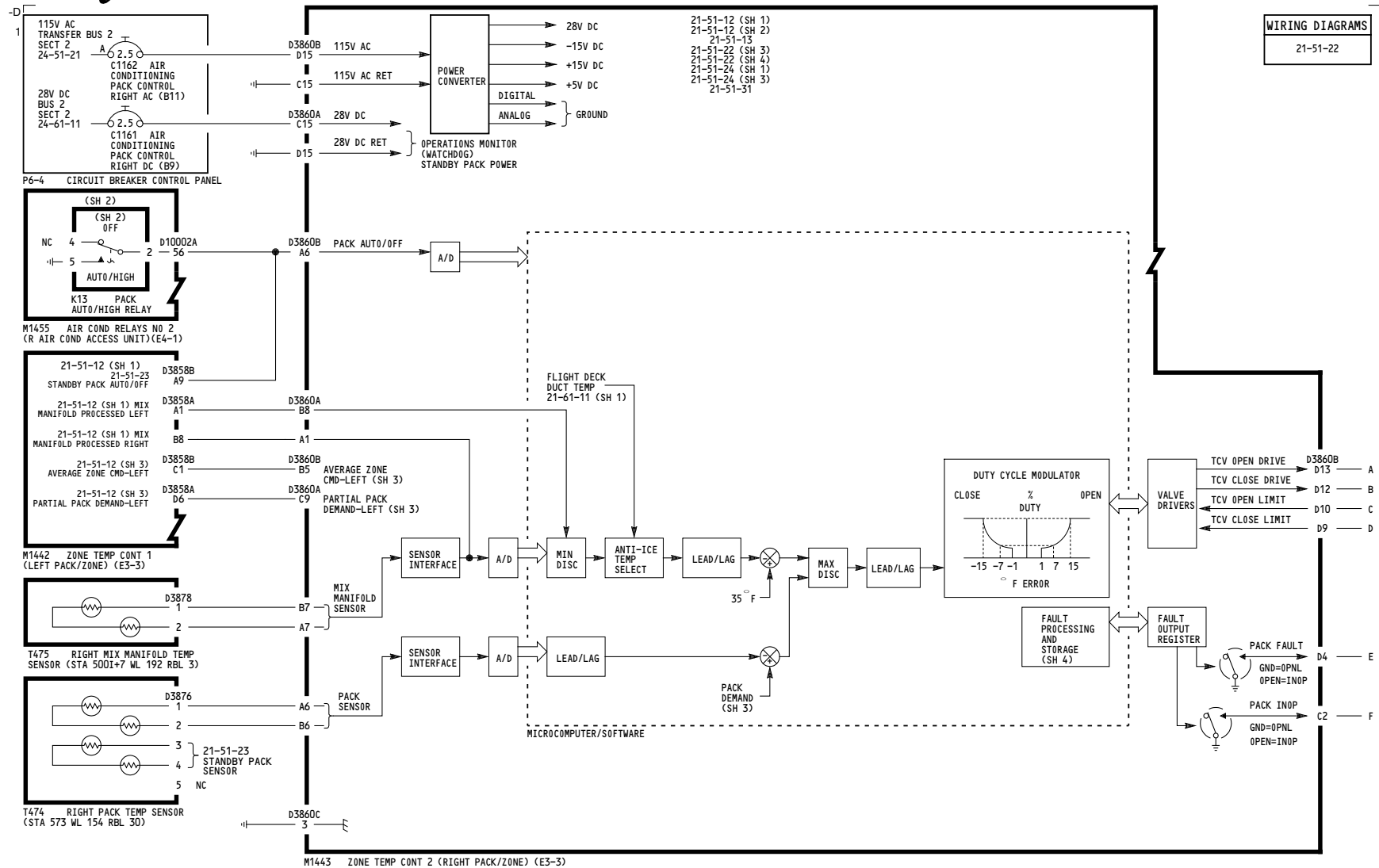
YT116-YT120, YT132-YT133

RIGHT PACK VALVE CONTROL

D280A451

21-51-21

Page 102
Sheet 2
Jun 21/2016



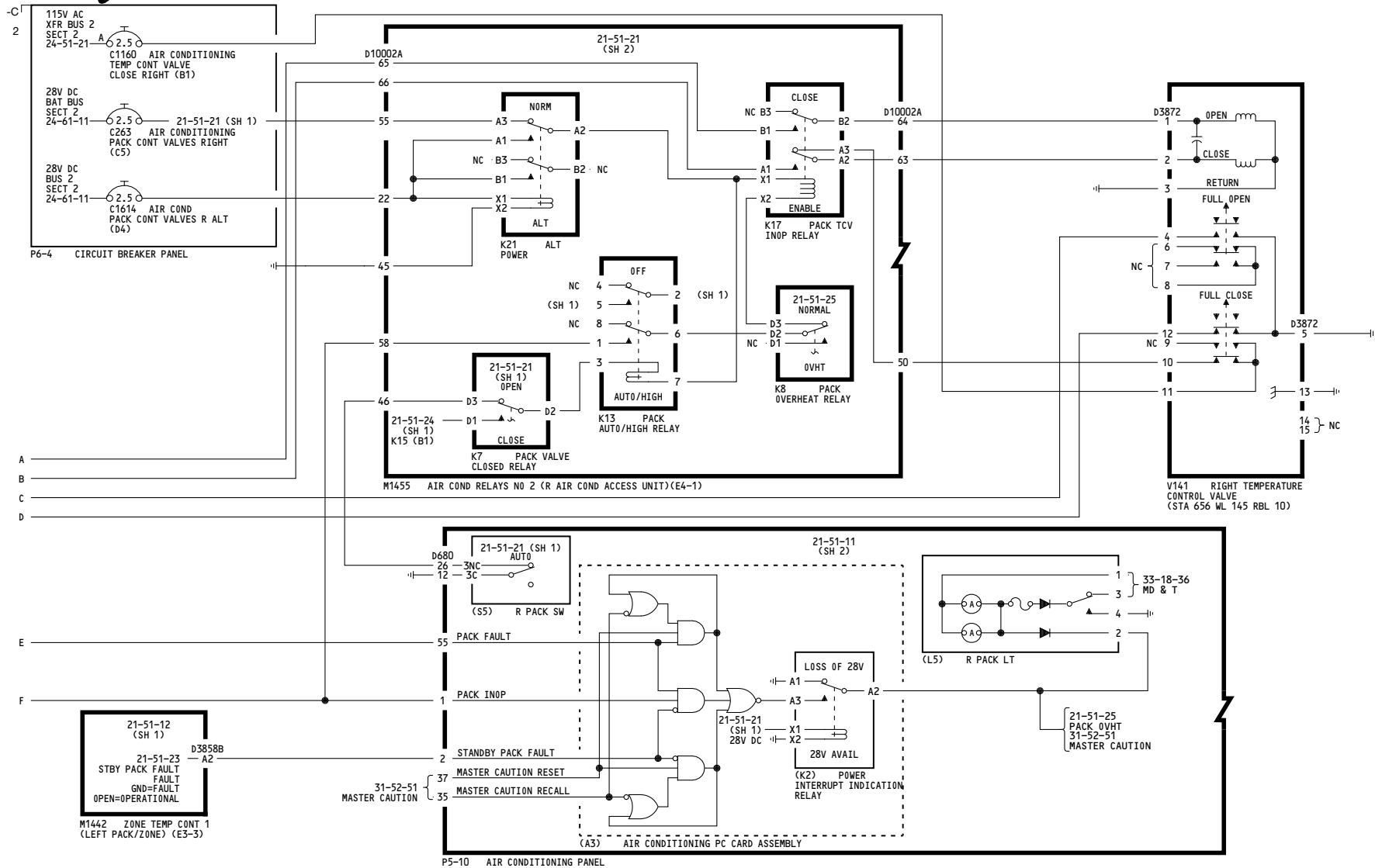
YT101-YT115, YT126-YT131

**RIGHT AIR CONDITIONING
PACK CONTROL - AUTO**

D280A451

21-51-22

Page 101
Sheet 1
Aug 31/2015



YT101-YT115, YT126-YT131

**RIGHT AIR CONDITIONING
PACK CONTROL - AUTO**

D280A451

21-51-22

Page 101
Sheet 2
Aug 31/2015



Functional block diagram of the ZONE TEMP CONT 2 (RIGHT PACK/ZONE) (E3-3). The diagram shows the control logic for the right pack/zone, including inputs for flight deck duct demand, forward zone duct demand, and temperature errors, which are processed through a microcomputer/software block. The output is a standby pack demand signal that controls the right pack/zone. The diagram also shows the standby pack demand signal being used to control the left pack/zone.

Inputs to the Microcomputer/Software block:

- FLIGHT DECK DUCT DEMAND 21-61-11 (SH 1)
- FWD ZONE DUCT DEMAND 21-61-13 (SH 1)
- FLT DECK TEMP ERROR 21-61-11 (SH 1)
- FWD ZONE TEMP ERROR 21-61-13 (SH 1)
- CMD INPUT PROCESSING AND STORAGE

Internal processing blocks:

- SELECT AND AVERAGE S5
- PROPORTIONAL PLUS INTEGRAL
- MIN DISC
- PARTIAL PACK DEMAND SELECT S7
- PACK DEMAND SELECT S8
- STANDBY PACK DEMAND SELECT S10
- LOW LIMIT SELECT S9
- LOW LIMIT SELECT S11

Outputs:

- D3860A D6: 21-51-12 (SH 1) PARTIAL PACK DEMAND - RIGHT M1442 D3858A (C9)
- D3860B C1: 21-51-12 (SH 1) AVERAGE ZONE CMD - RIGHT M1442 D3858B (B5)
- STANDBY PACK DEMAND K1 RELAY

M1443 ZONE TEMP CONT 2 (RIGHT PACK/ZONE) (E3-3)

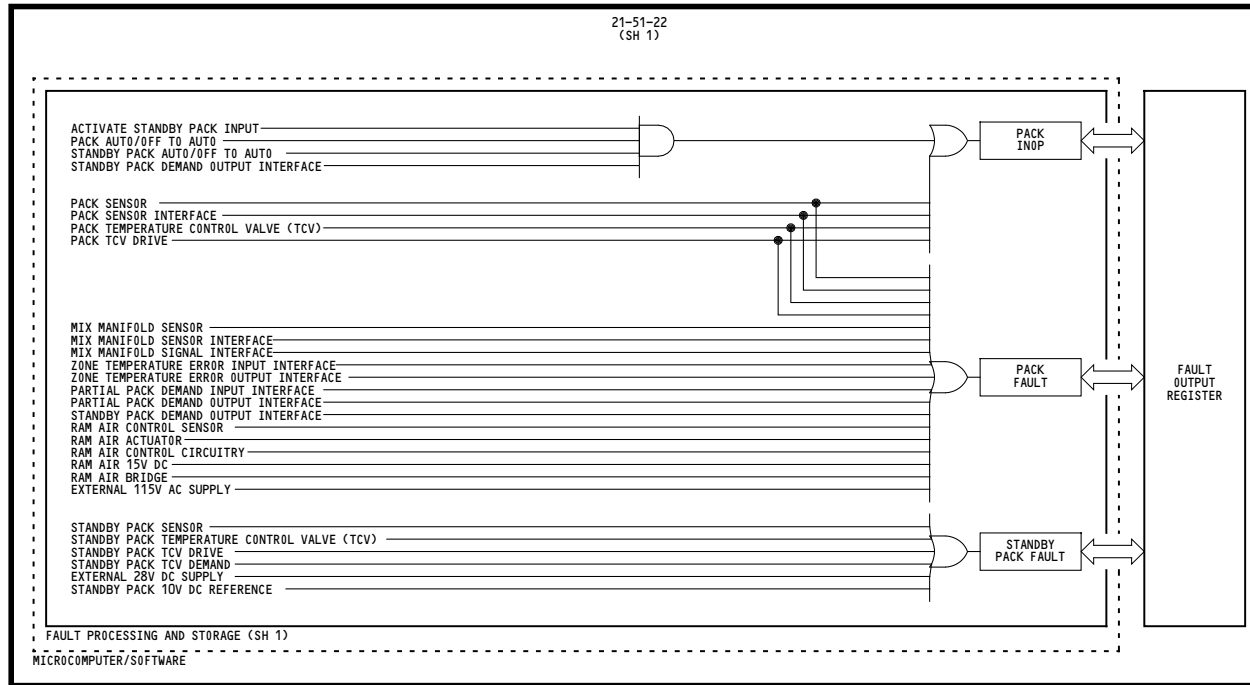
**RIGHT AIR CONDITIONING
PACK CONTROL - AUTO**

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21-51-22

Page 101
Sheet 3
Aug 31/2015

1



M1443 ZONE TEMPERATURE CONTROL 2 (RIGHT PACK/ZONE) (E3-3)

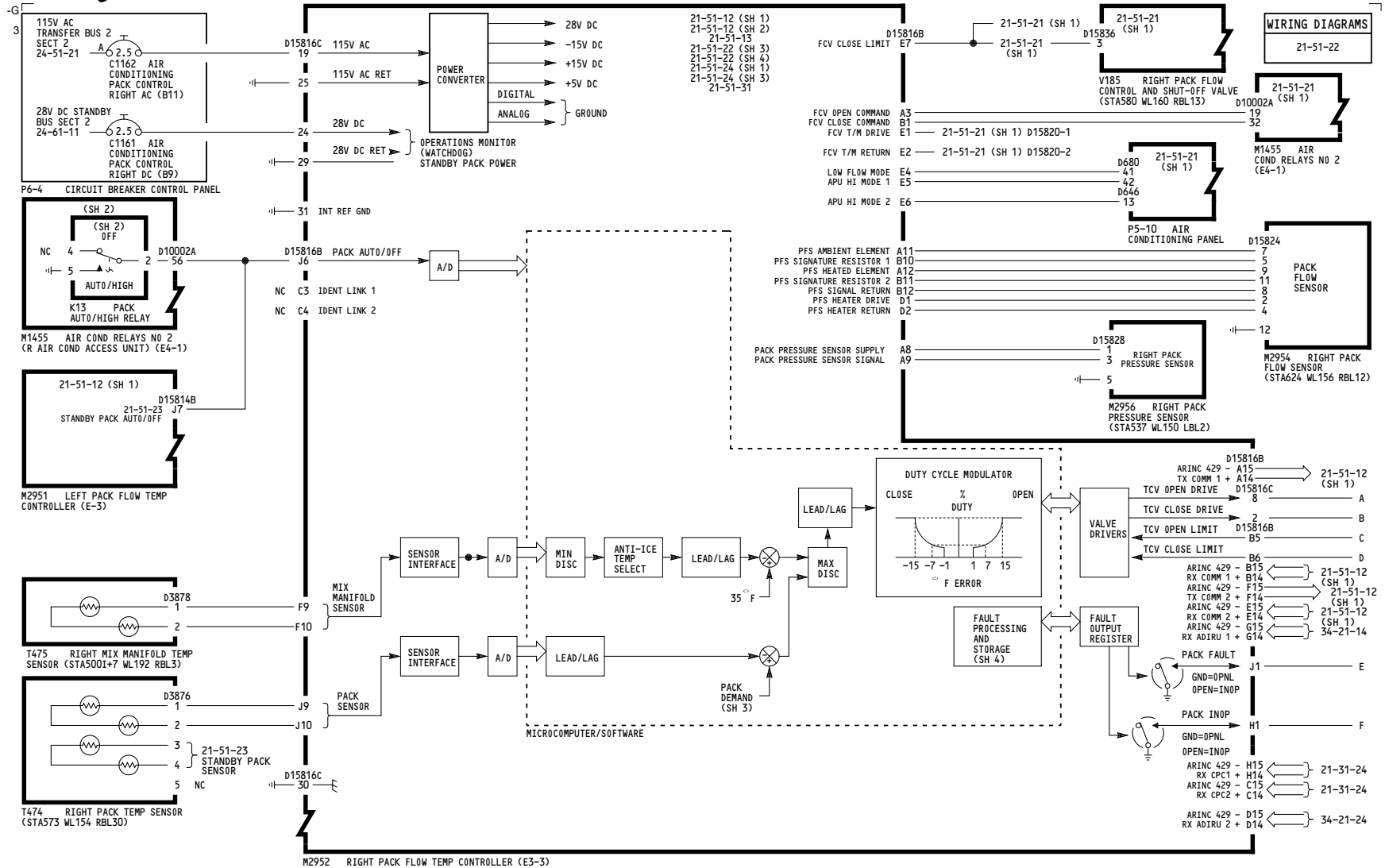
YT101-YT115, YT126-YT131

**RIGHT AIR CONDITIONING
PACK CONTROL - AUTO**

D280A451

21-51-22

Page 101
Sheet 4
Aug 31/2015



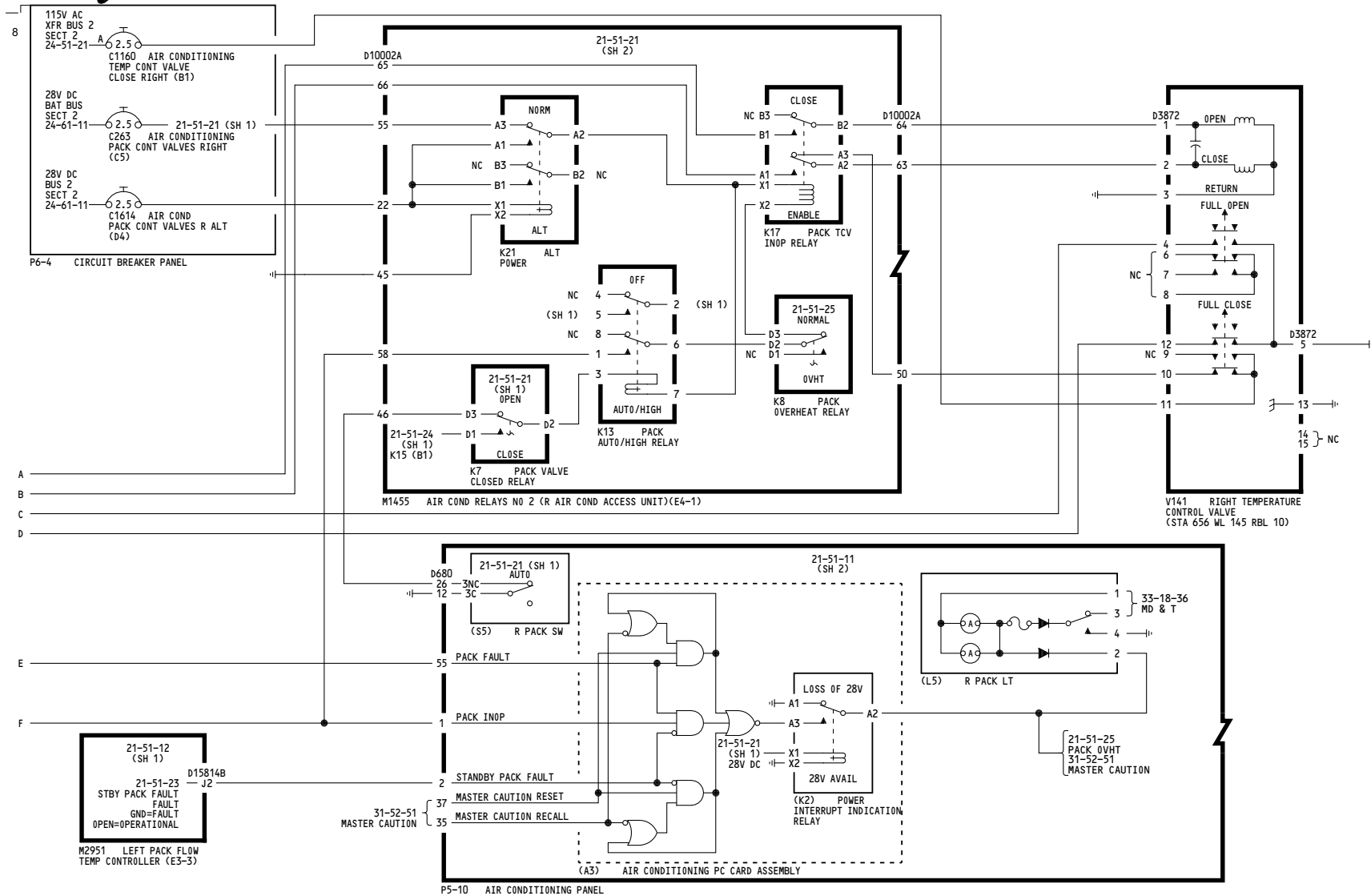
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RIGHT AIR CONDITIONING PACK CONTROL - AUTO

D280A451

21-51-22

Page 102
Sheet 1
Jun 21/2016



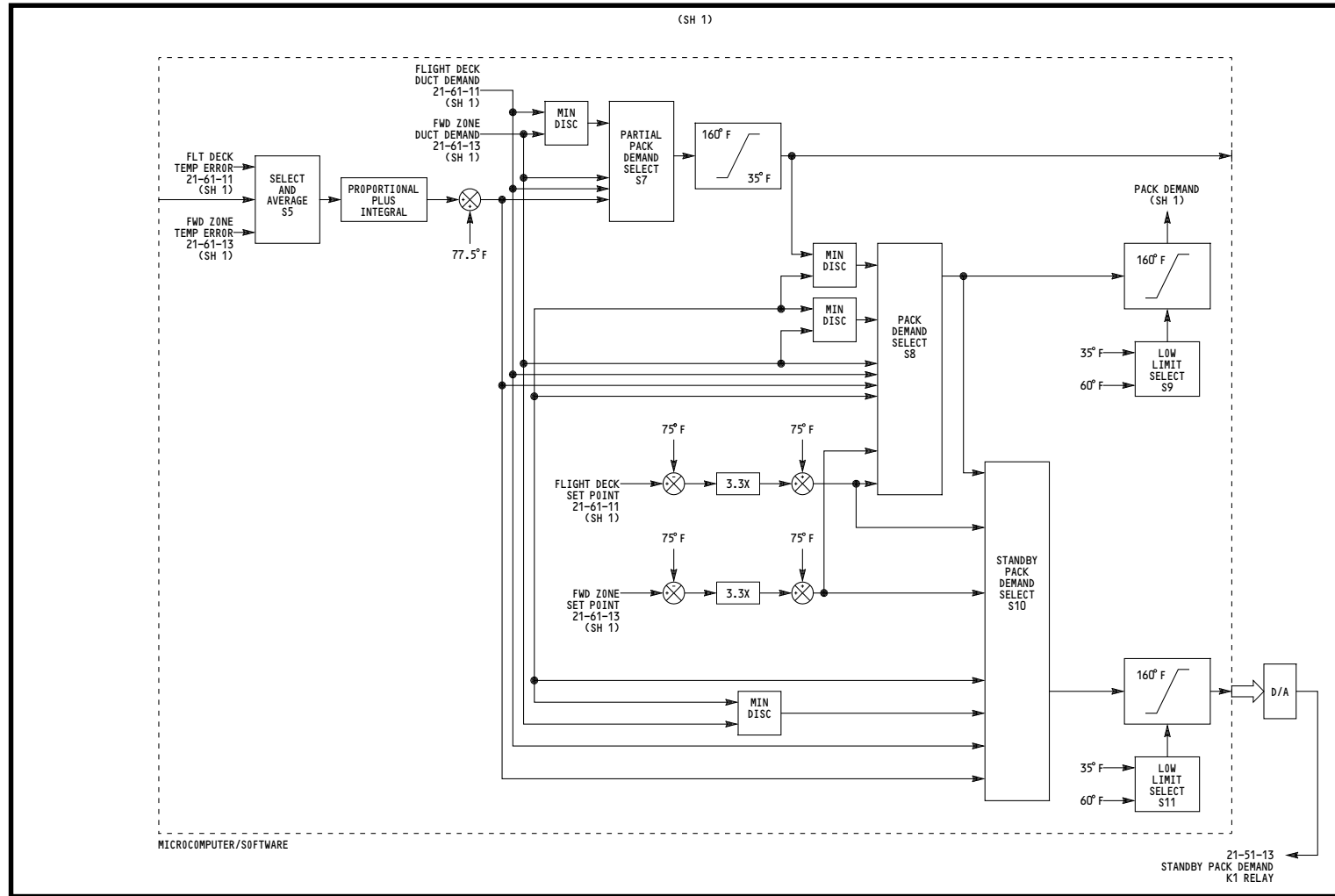
YT116-YT120, YT132-YT133

RIGHT AIR CONDITIONING PACK CONTROL - AUTO

D280A451

21-51-22

Page 102
Sheet 2
Jun 21/2016



M2952 RIGHT PACK FLOW TEMP CONTROLLER (E3-3)

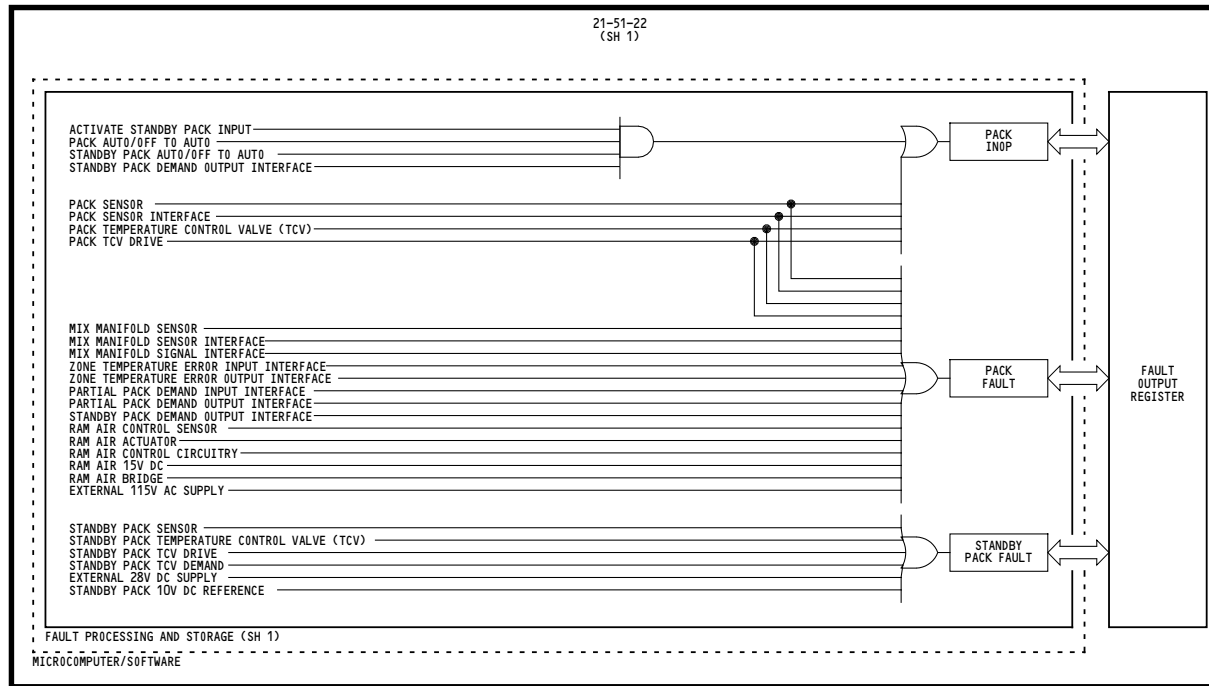
YT116-YT120, YT132-YT133

RIGHT AIR CONDITIONING PACK CONTROL - AUTO

D280A451

21-51-22

Page 102
Sheet 3
Jun 21/2016



M2952 RIGHT PACK FLOW TEMP CONTROLLONE) (E3-3)

YT116-YT120, YT132-YT133

**RIGHT AIR CONDITIONING
PACK CONTROL - AUTO**

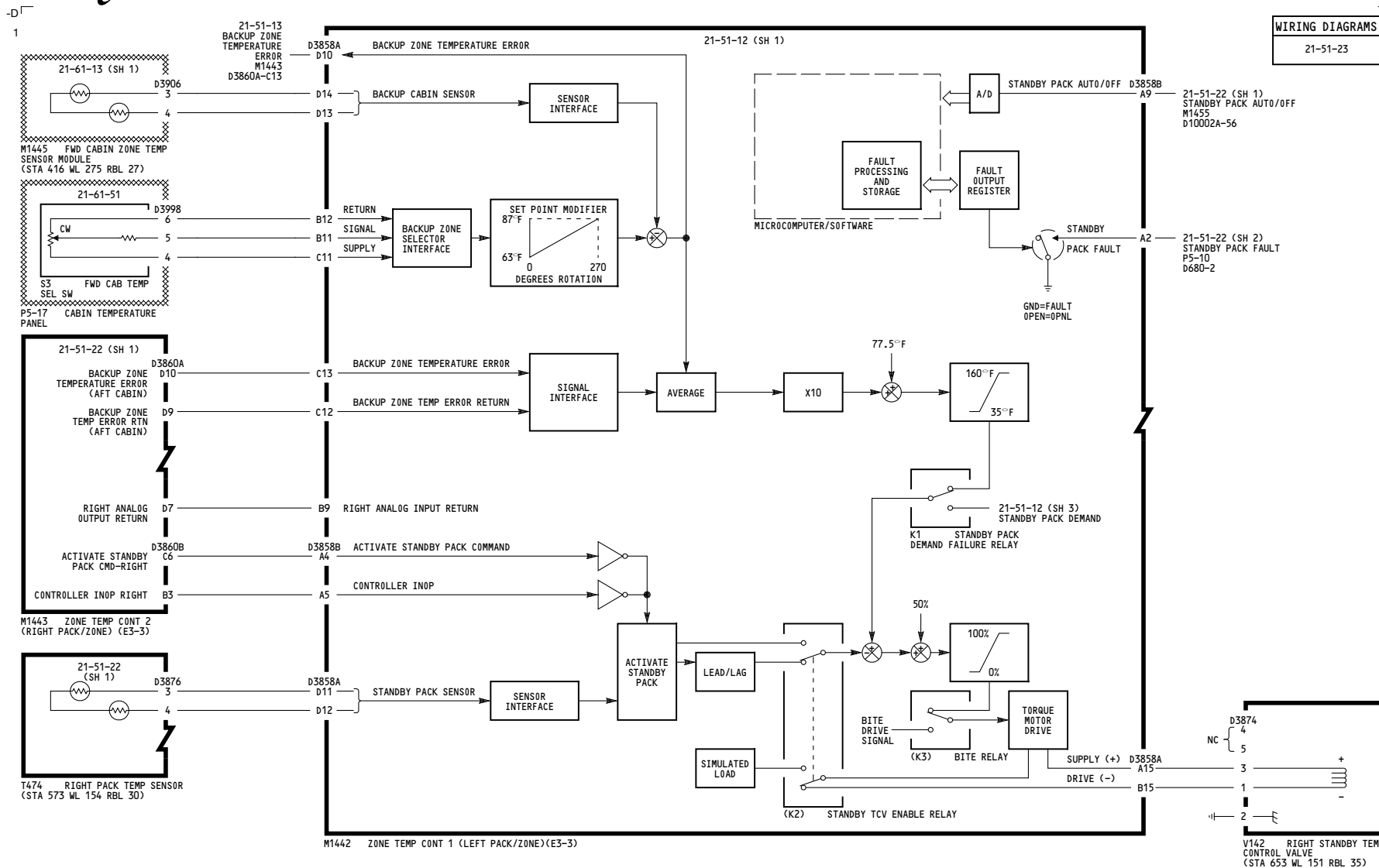
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21-51-22

Page 102
Sheet 4
Jun 21/2016

WIRING DIAGRAMS

21-51-23



YT101-YT115, YT126-YT131

RIGHT AIR CONDITIONING PACK CONTROL STANDBY

D280A451

21-51-23

Page 101

Aug 31/2015



21-51-23



**RIGHT AIR CONDITIONING
PACK CONTROL STANDBY**

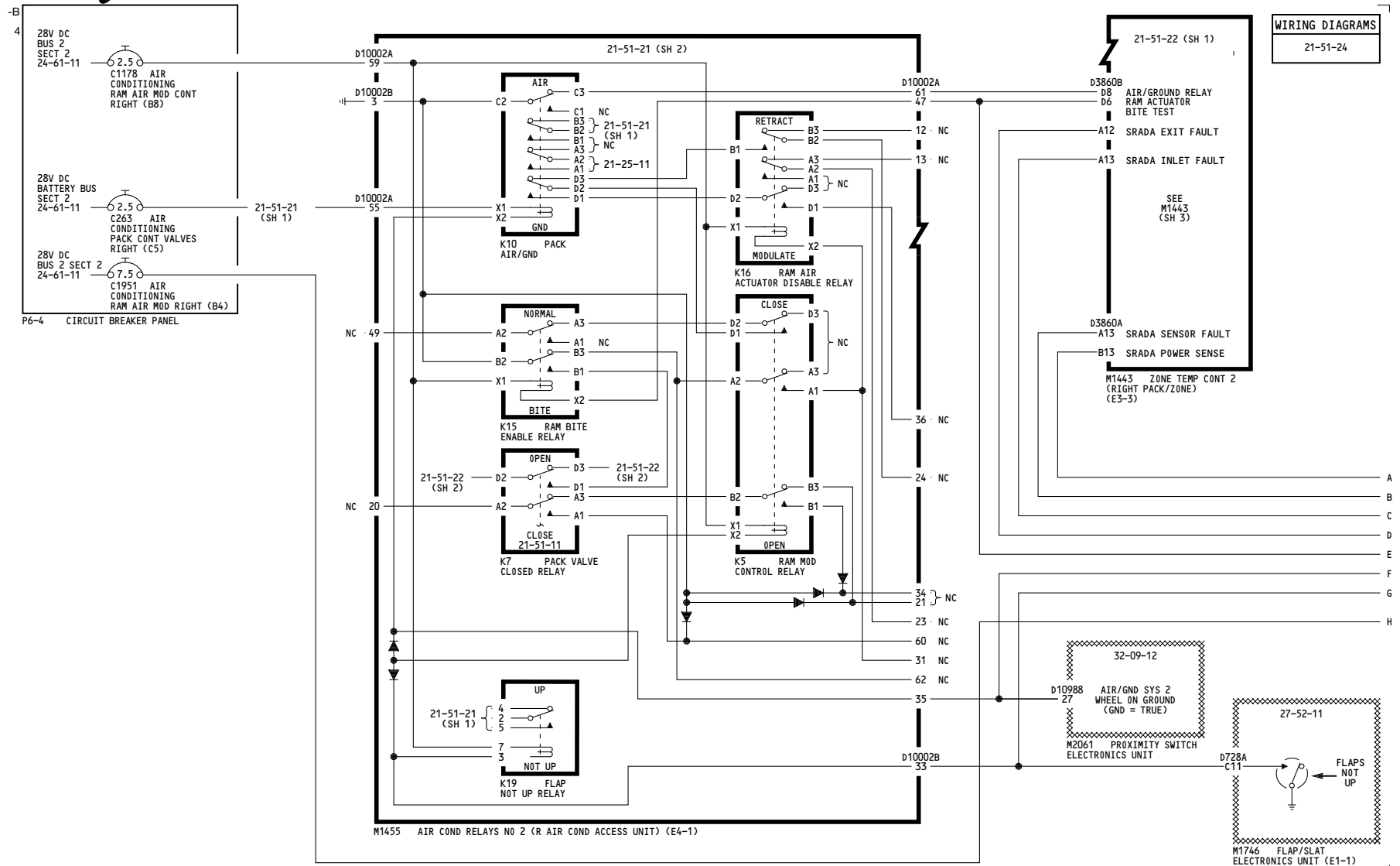
21-51-23

Page 102

Jun 21/2016

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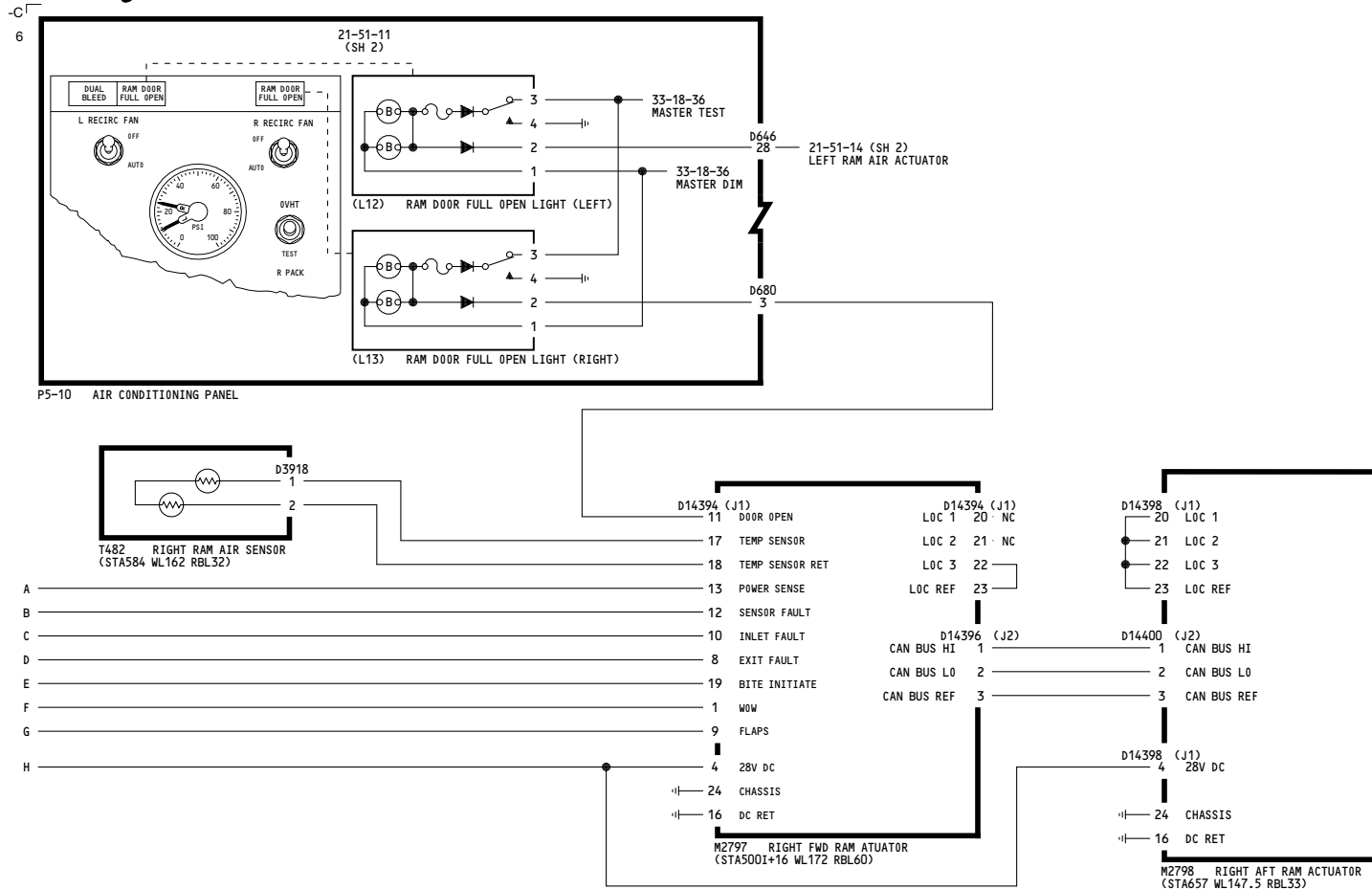
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RIGHT RAM MODULATION CONTROL

D280A451

21-51-24

Page 101
Sheet 1
Aug 31/2015



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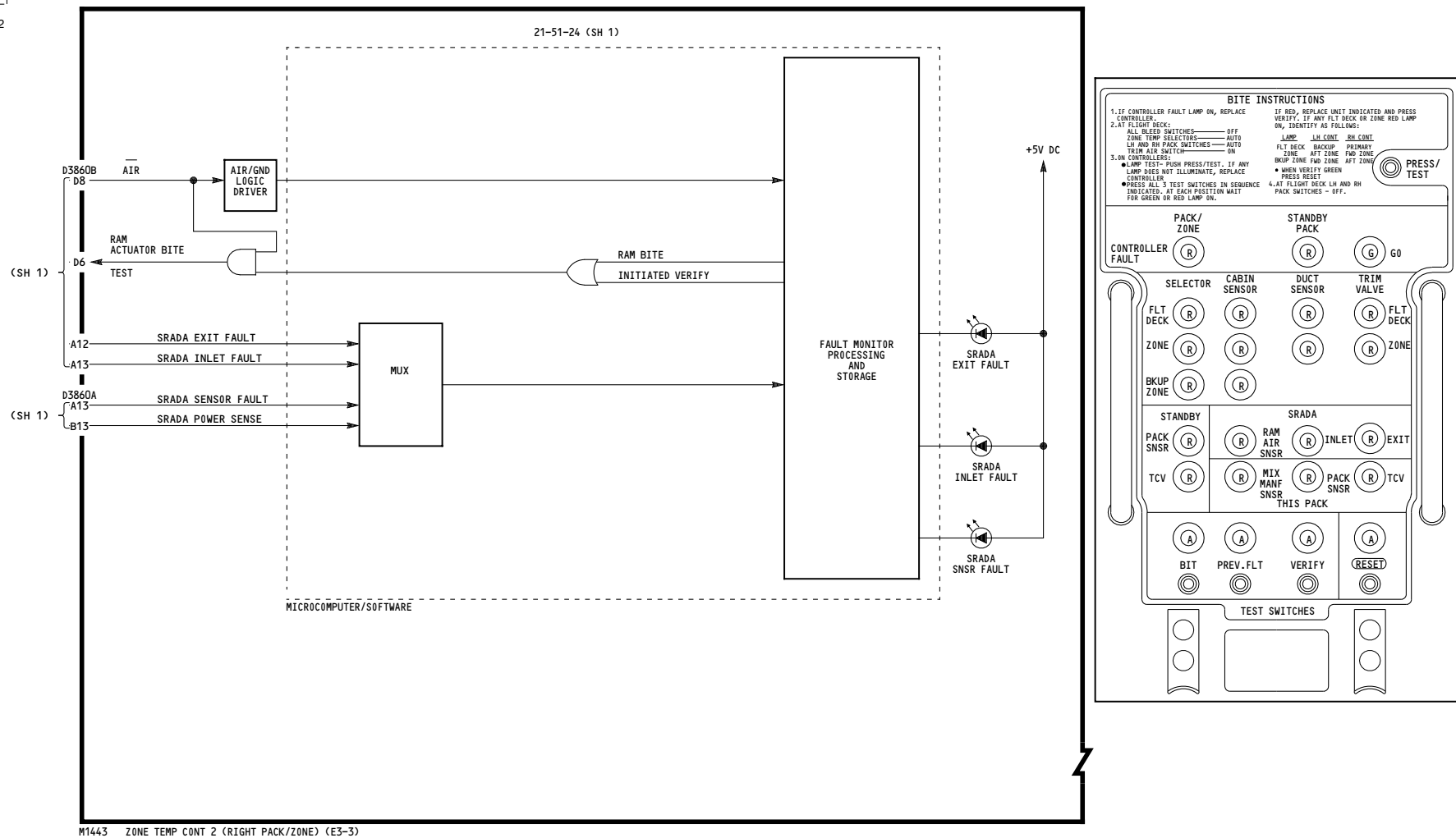
RIGHT RAM MODULATION CONTROL

D280A451

21-51-24

Page 101
Sheet 2
Aug 31/2015

2



YT101-YT115, YT126-YT131

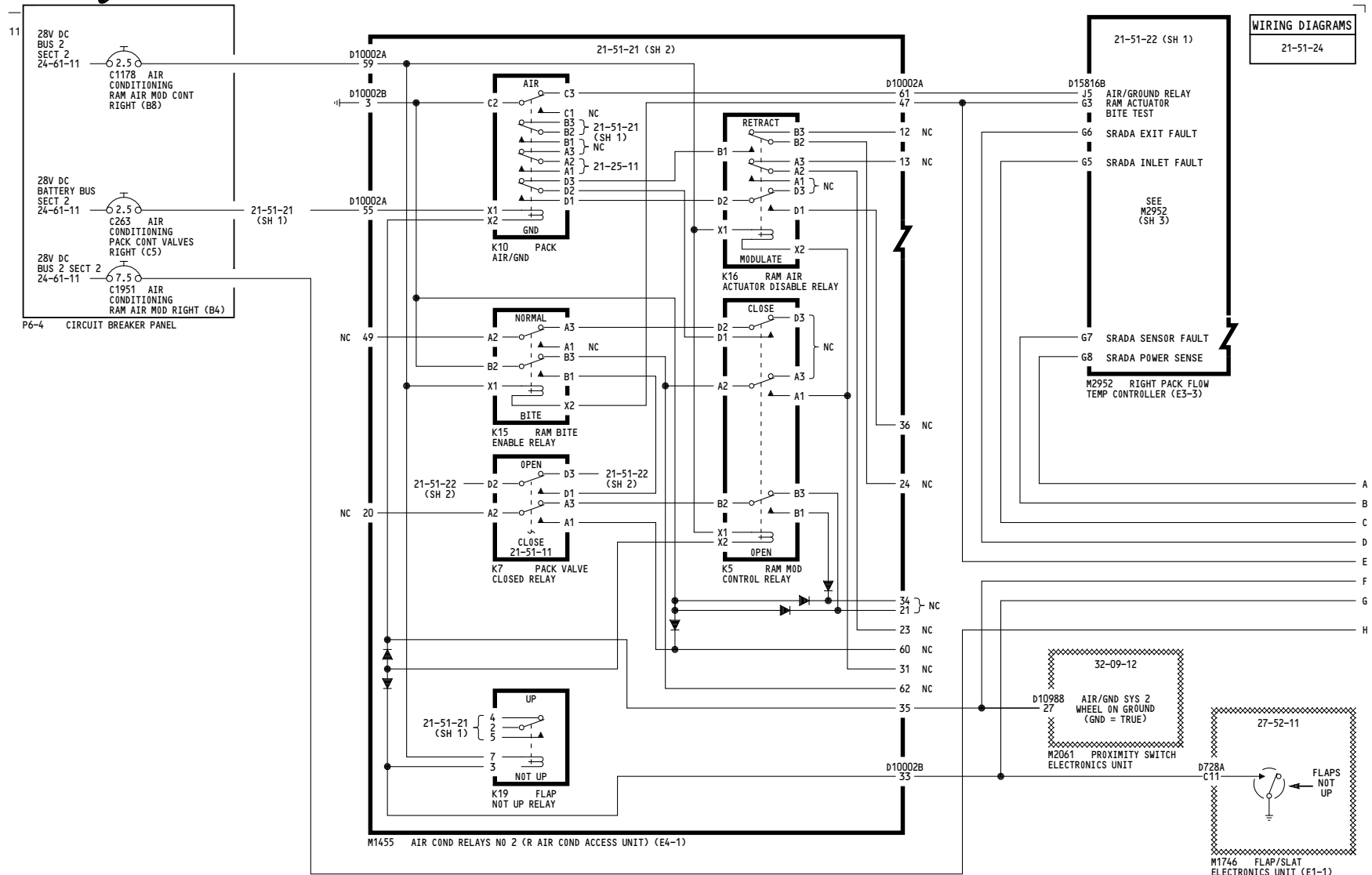
RIGHT RAM MODULATION CONTROL

D280A451

21-51-24

Page 101
Sheet 3
Aug 31/2015

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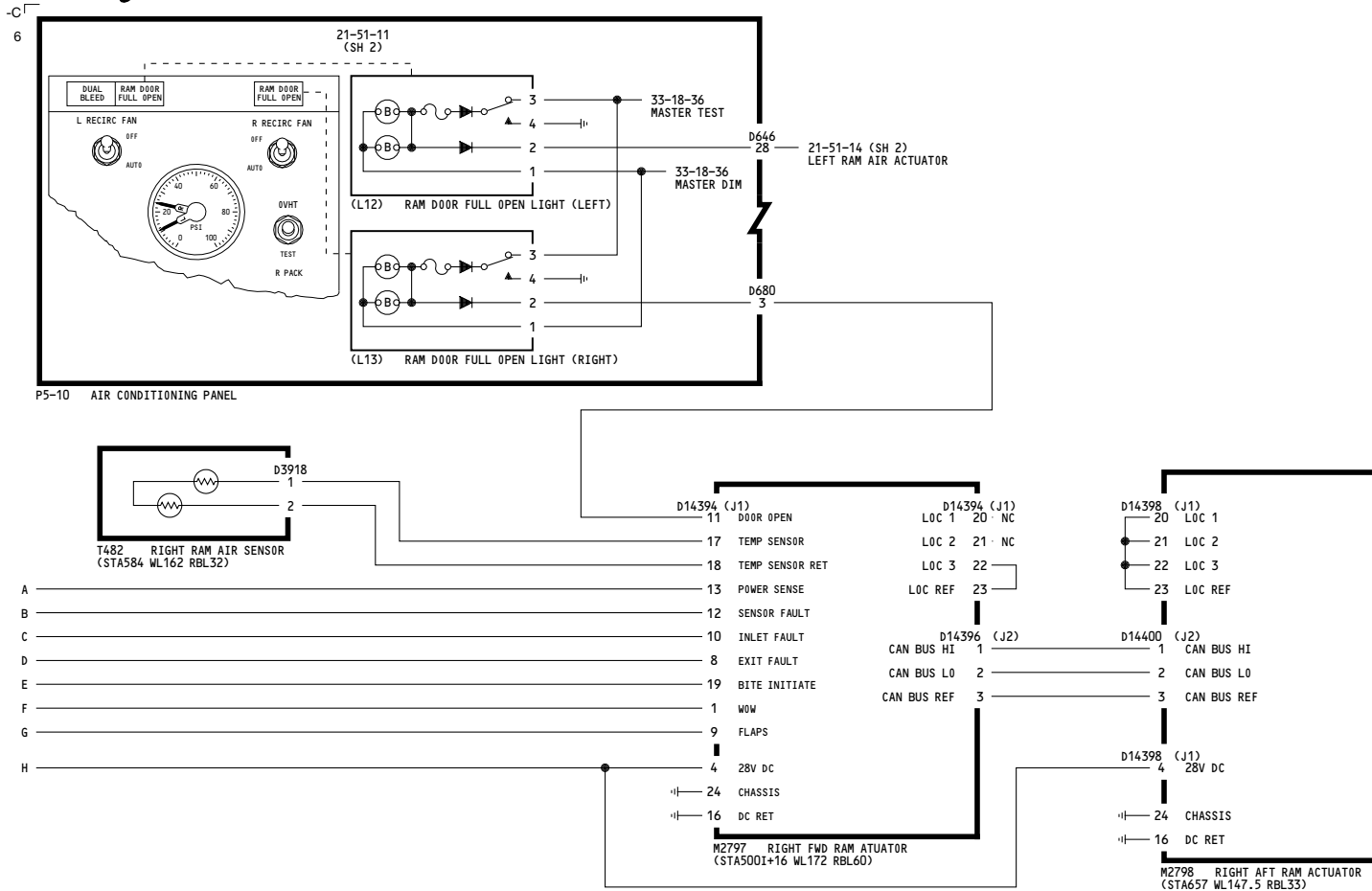
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RIGHT RAM MODULATION CONTROL

D280A451

21-51-24

Page 102
Sheet 1
Jun 21/2016



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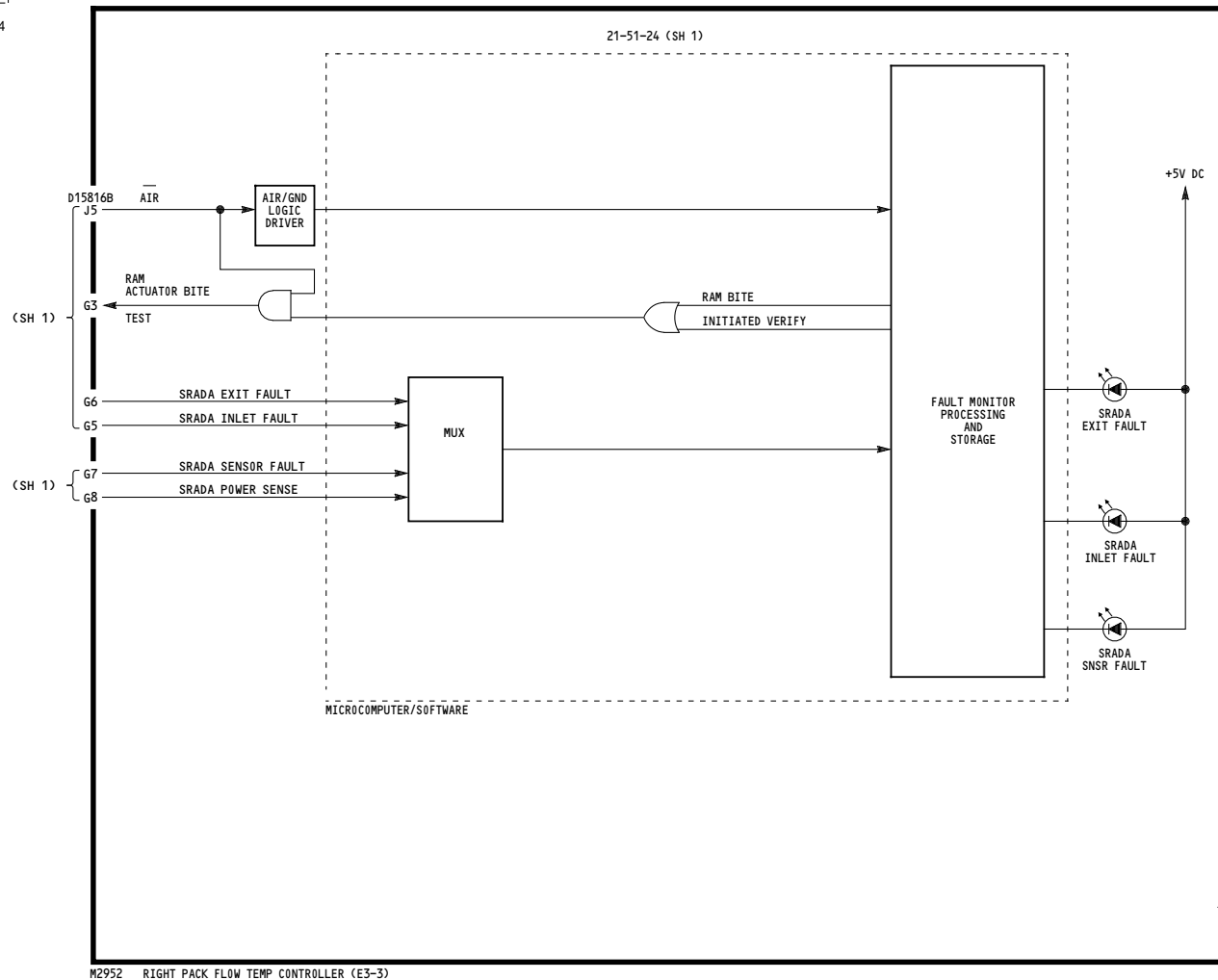
RIGHT RAM MODULATION CONTROL

D280A451

21-51-24

Page 102
Sheet 2
Jun 21/2016

4



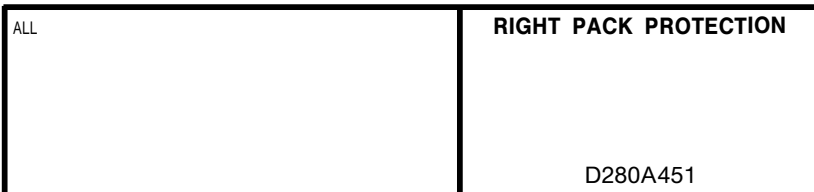
YT116-YT120, YT132-YT133

**RIGHT RAM MODULATION
CONTROL**

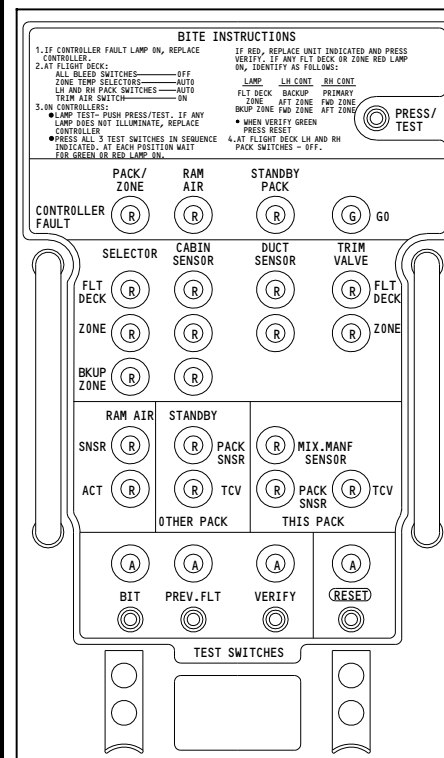
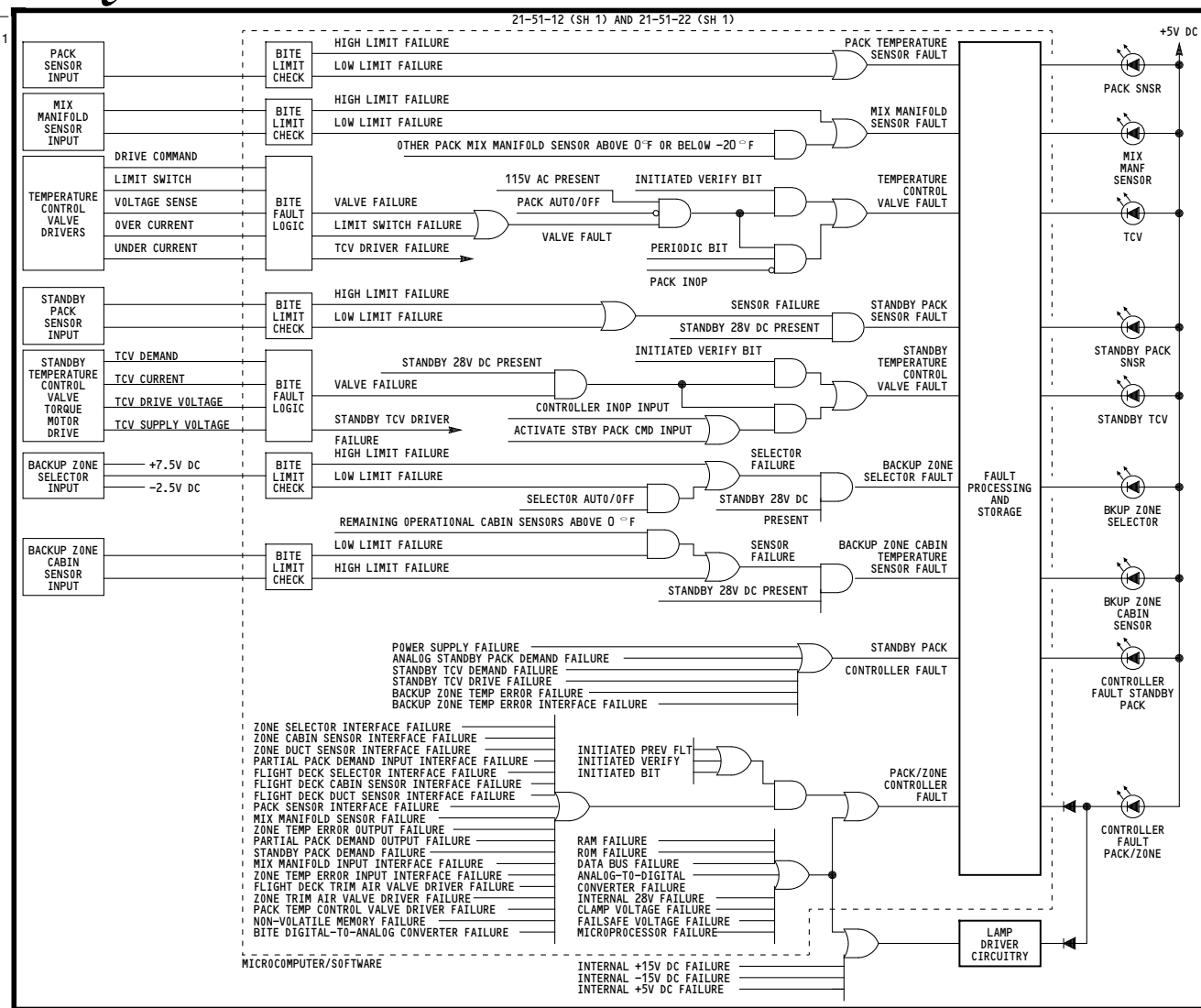
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21-51-24

Page 102
Sheet 3
Jun 21/2016



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M1442 AND M1443 ZONE TEMP CONT 1 & 2 (TYPICAL) (E3-3)

YT101-YT115, YT126-YT131

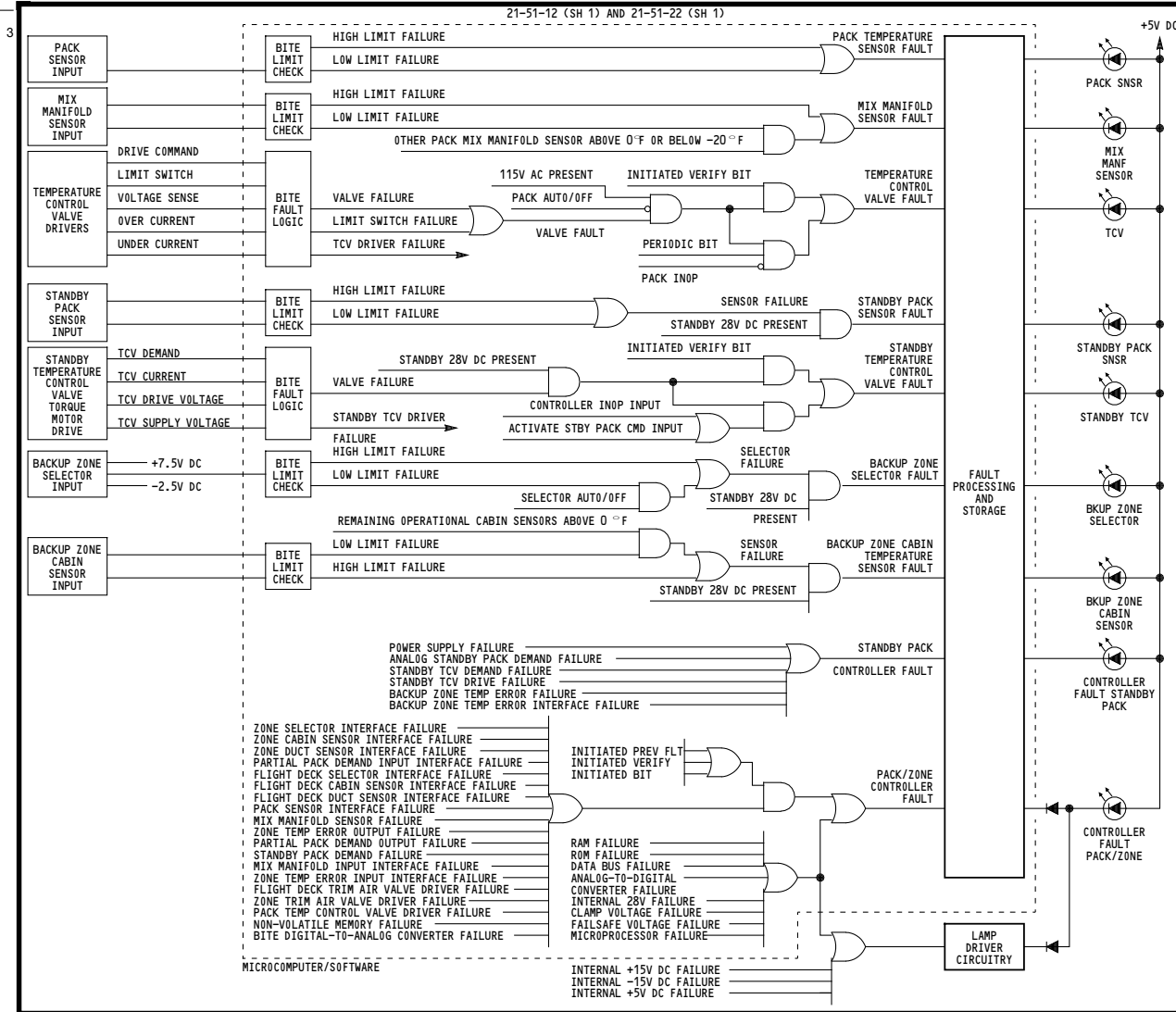
AIR CONDITIONING PACK CONTROL BITE

D280A451

21-51-31

Page 101

Aug 31/2015



M2951 AND M2952 LEFT & RIGHT PACK FLOW TEMP CONTROLLERS (TYPICAL) (E3-3)

YT116-YT120, YT132-YT133

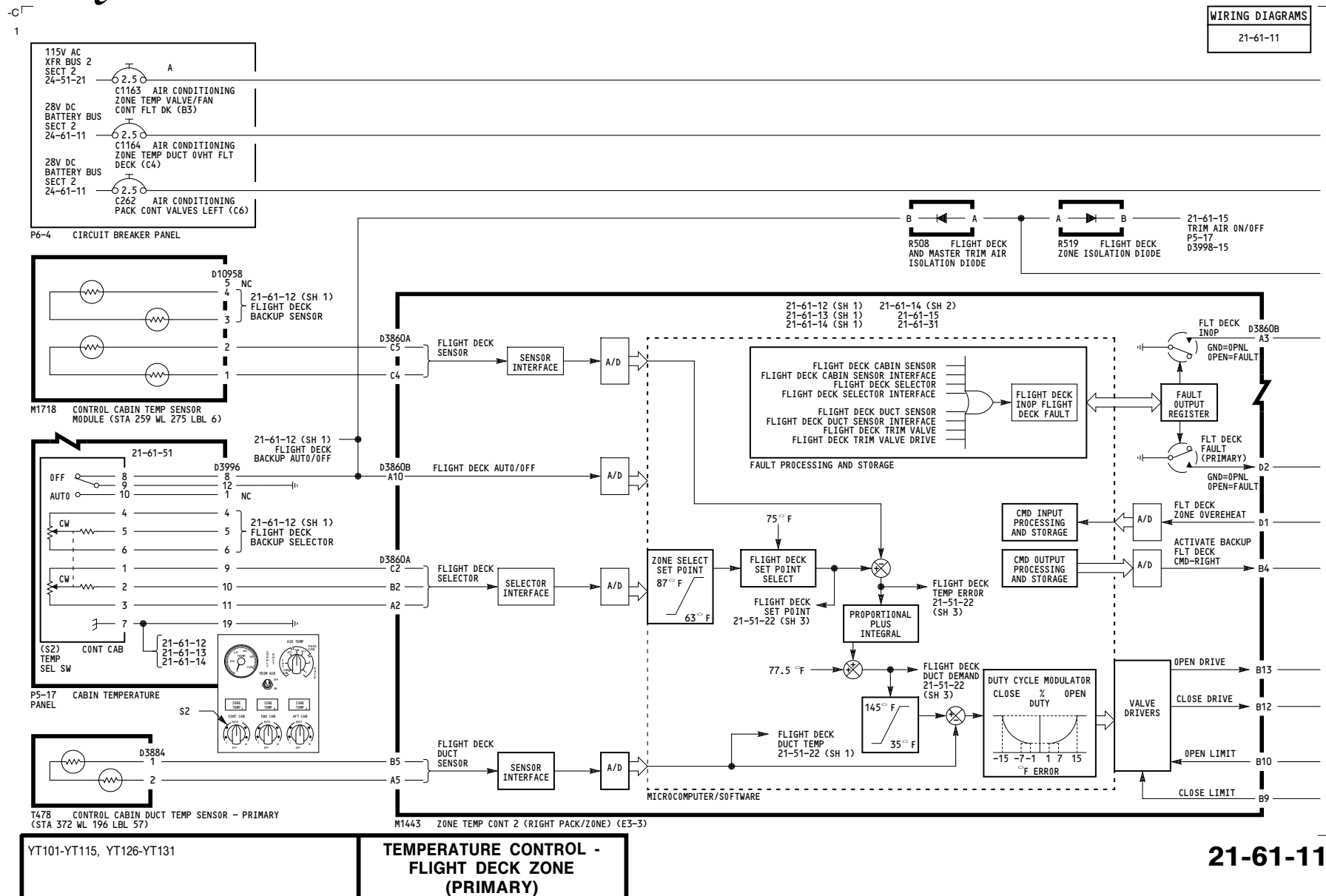
**AIR CONDITIONING
PACK CONTROL BITE**

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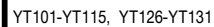
21-51-31

Page 102

Jun 21/2016

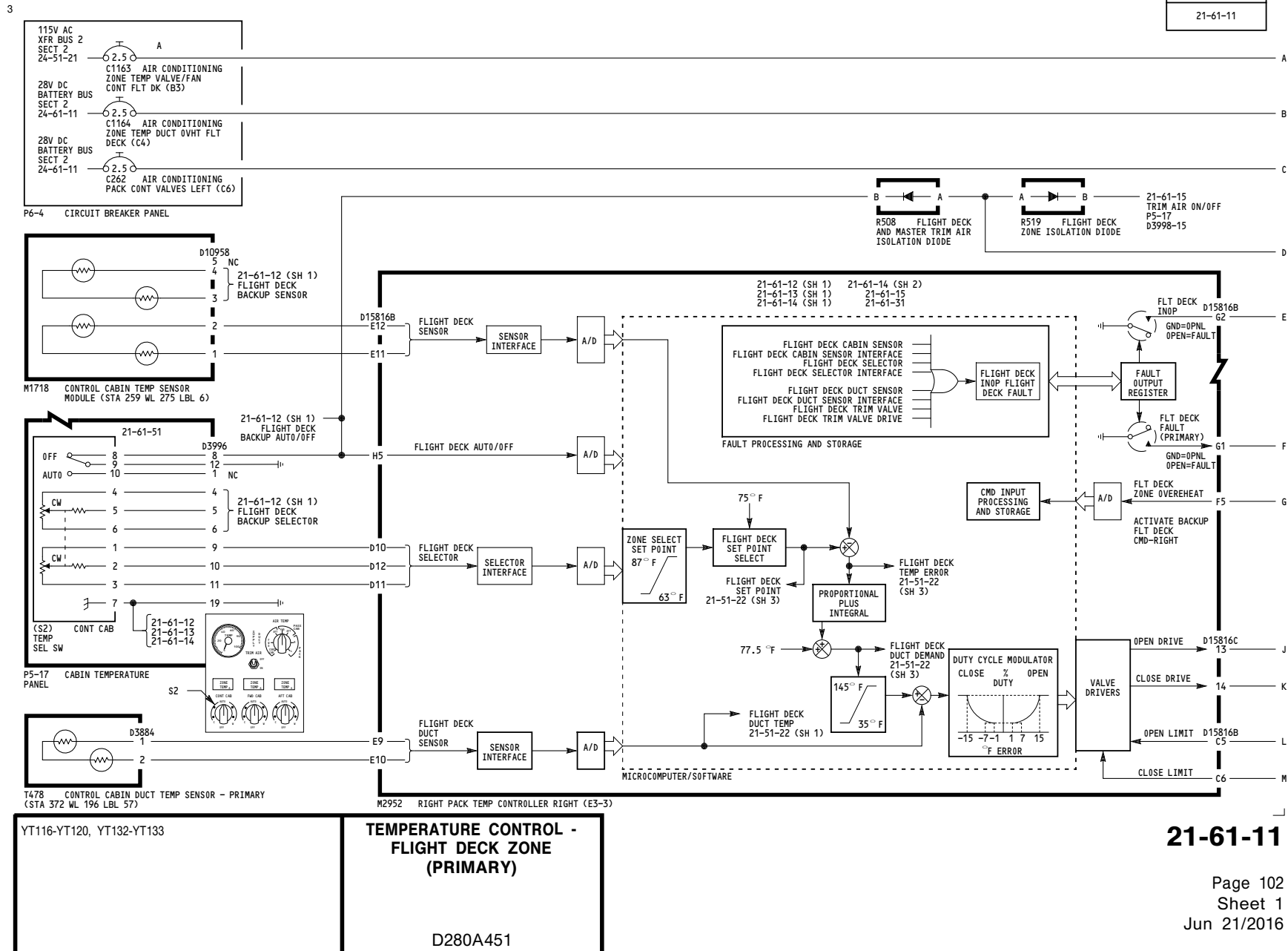


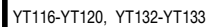
21-61-11



D280A451

Page 101
Sheet 2
Aug 31/2015



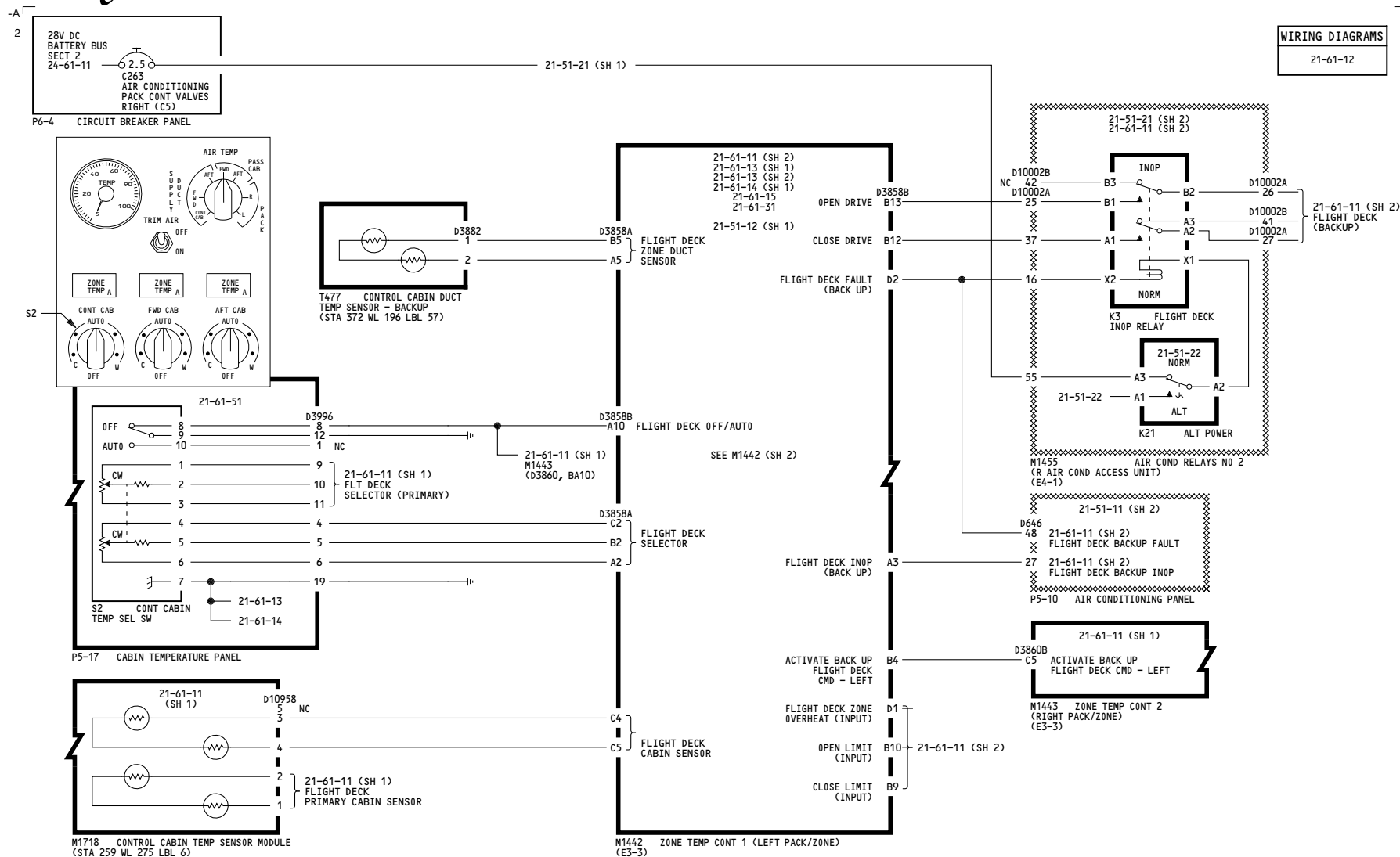


D280A451

Page 102
Sheet 2
Jun 21/2016

WIRING DIAGRAMS

21-61-12



YT101-YT115, YT126-YT131

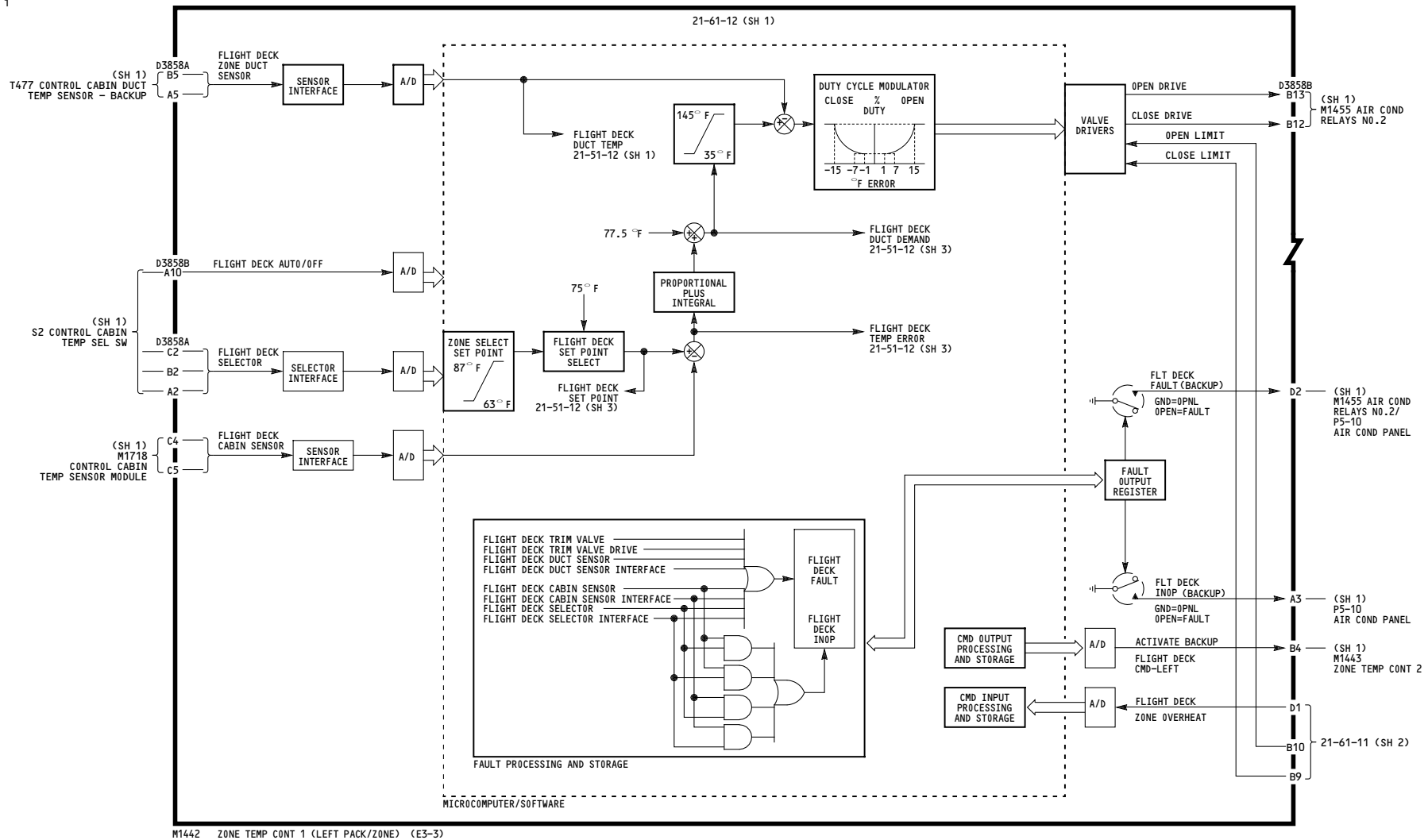
TEMPERATURE CONTROL - FLIGHT DECK ZONE (BACKUP)

D280A451

21-61-12

Page 101
Sheet 1
Aug 31/2015

-A
1



YT101-YT115, YT126-YT131

**TEMPERATURE CONTROL -
FLIGHT DECK ZONE
(BACKUP)**

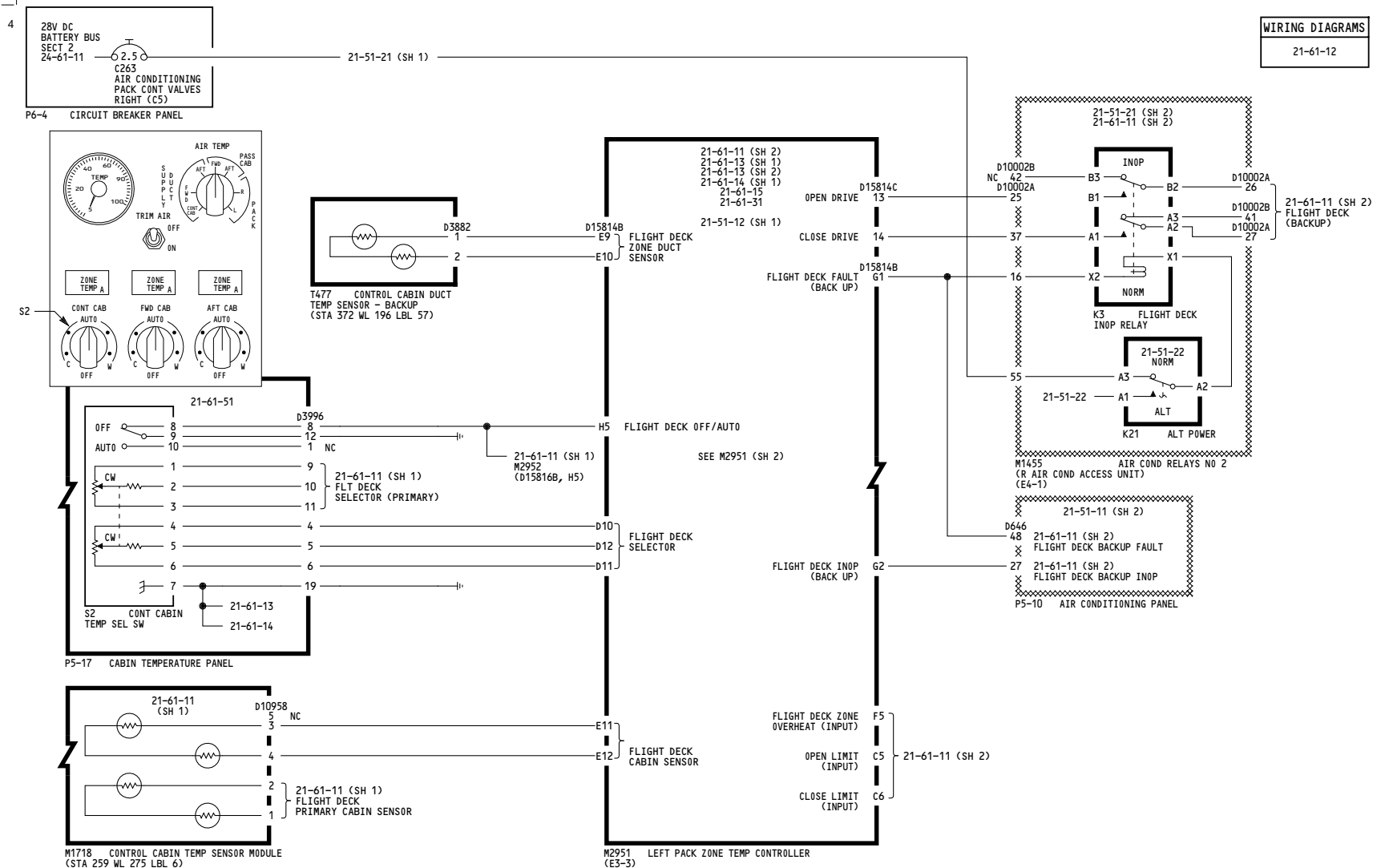
D280A451

21-61-12

Page 101
Sheet 2
Aug 31/2015

WIRING DIAGRAMS

21-61-12



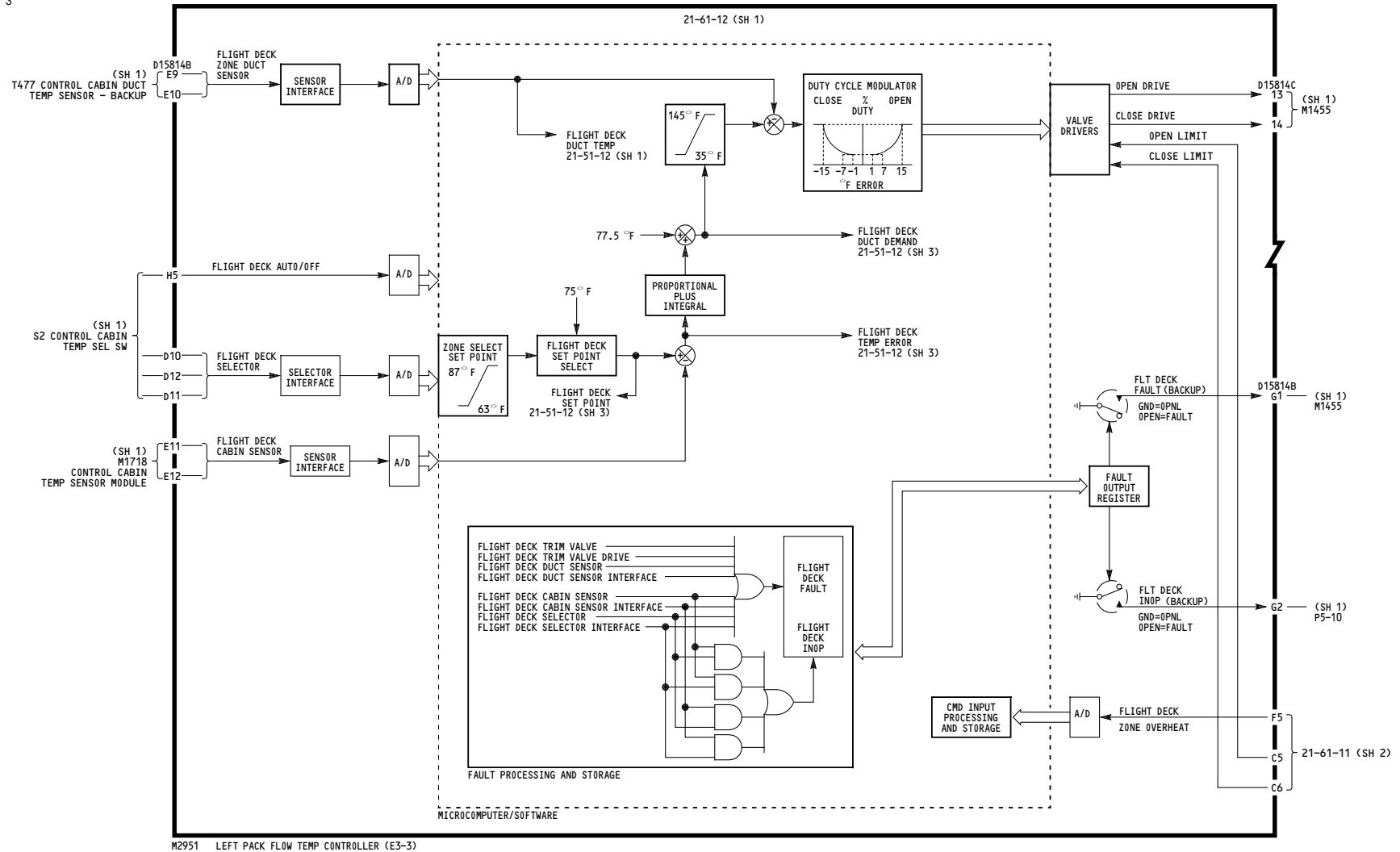
YT116-YT120, YT132-YT133

TEMPERATURE CONTROL - FLIGHT DECK ZONE (BACKUP)

D280A451

21-61-12

Page 102
Sheet 1
Jun 21/2016



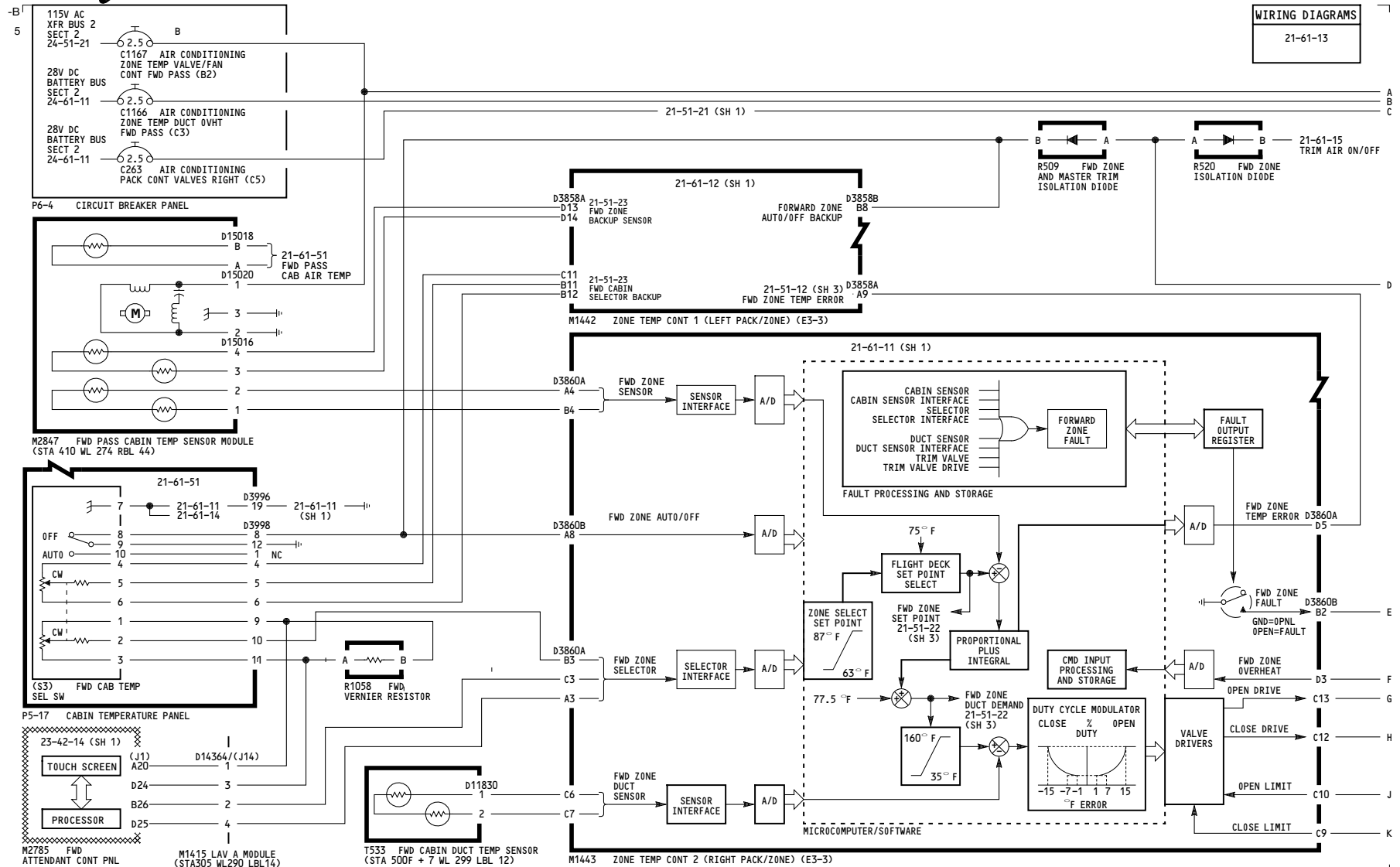
YT116-YT120, YT132-YT133

TEMPERATURE CONTROL - FLIGHT DECK ZONE (BACKUP)

D280A451

21-61-12

Page 102
Sheet 2
Jun 21/2016



YT101-YT115, YT126-YT131

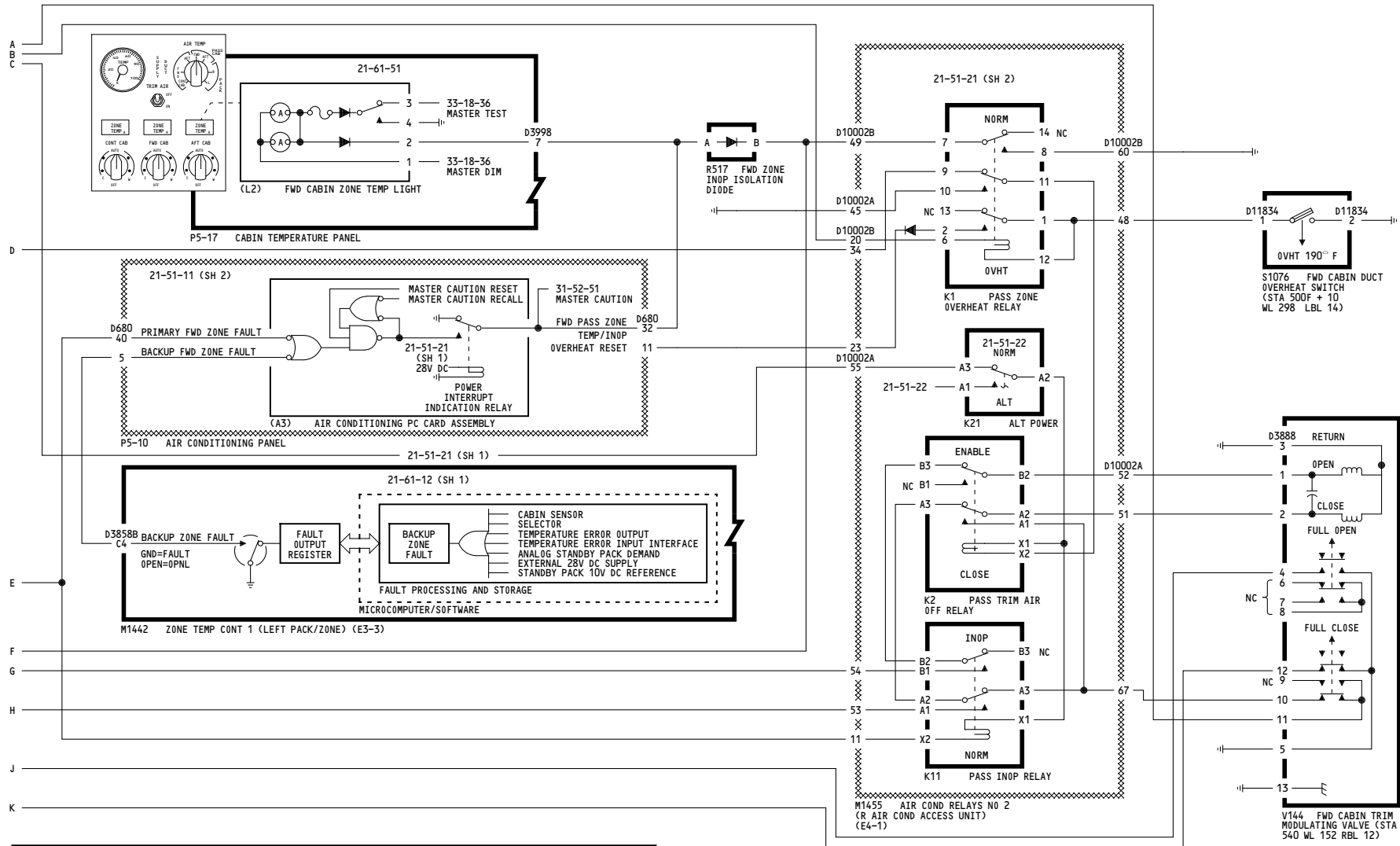
**TEMPERATURE CONTROL -
FWD PASSENGER ZONE**

D280A451

21-61-13

Page 101
Sheet 1
Aug 31/2015

-A
2



YT101-YT115, YT126-YT131

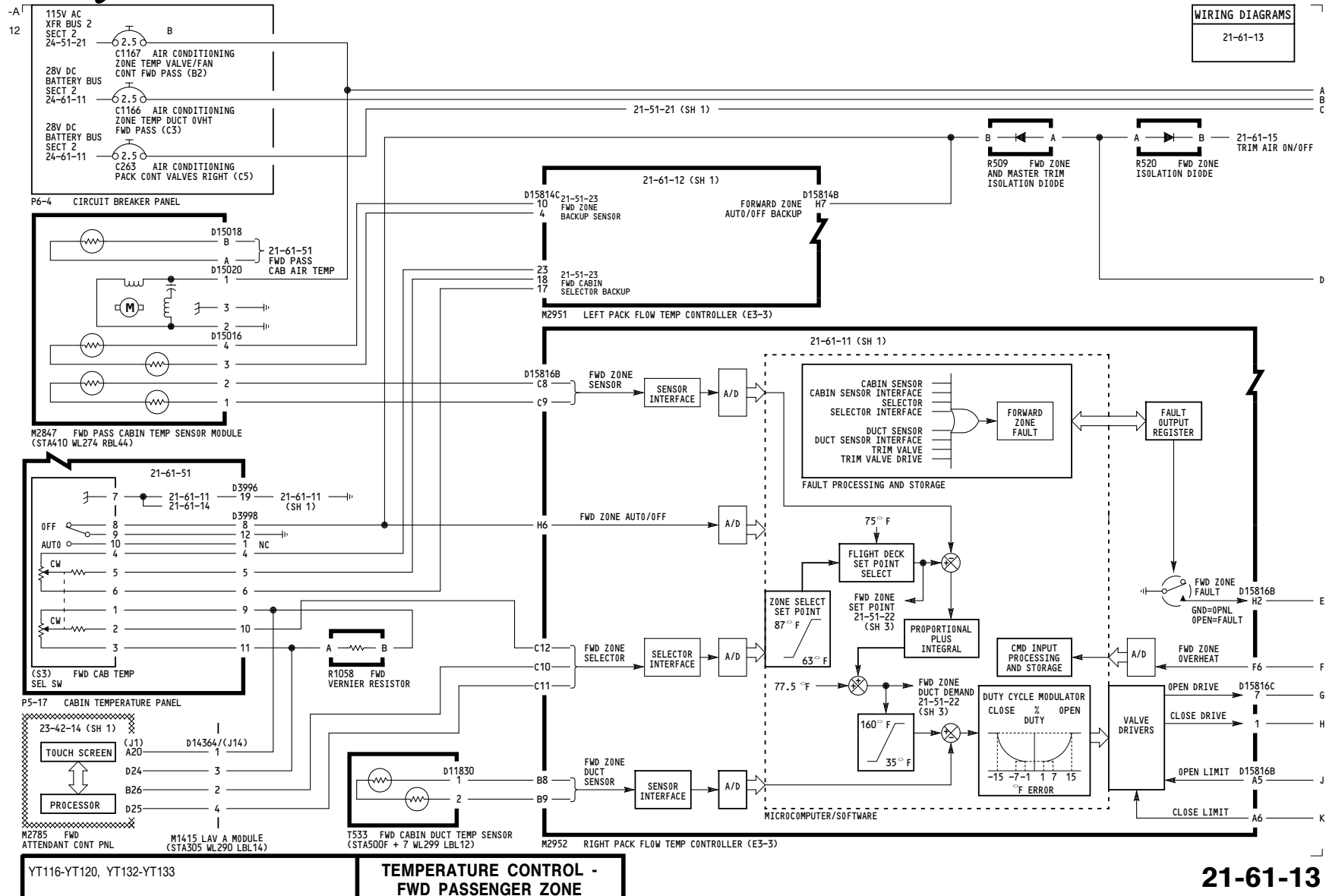
TEMPERATURE CONTROL - FWD PASSENGER ZONE

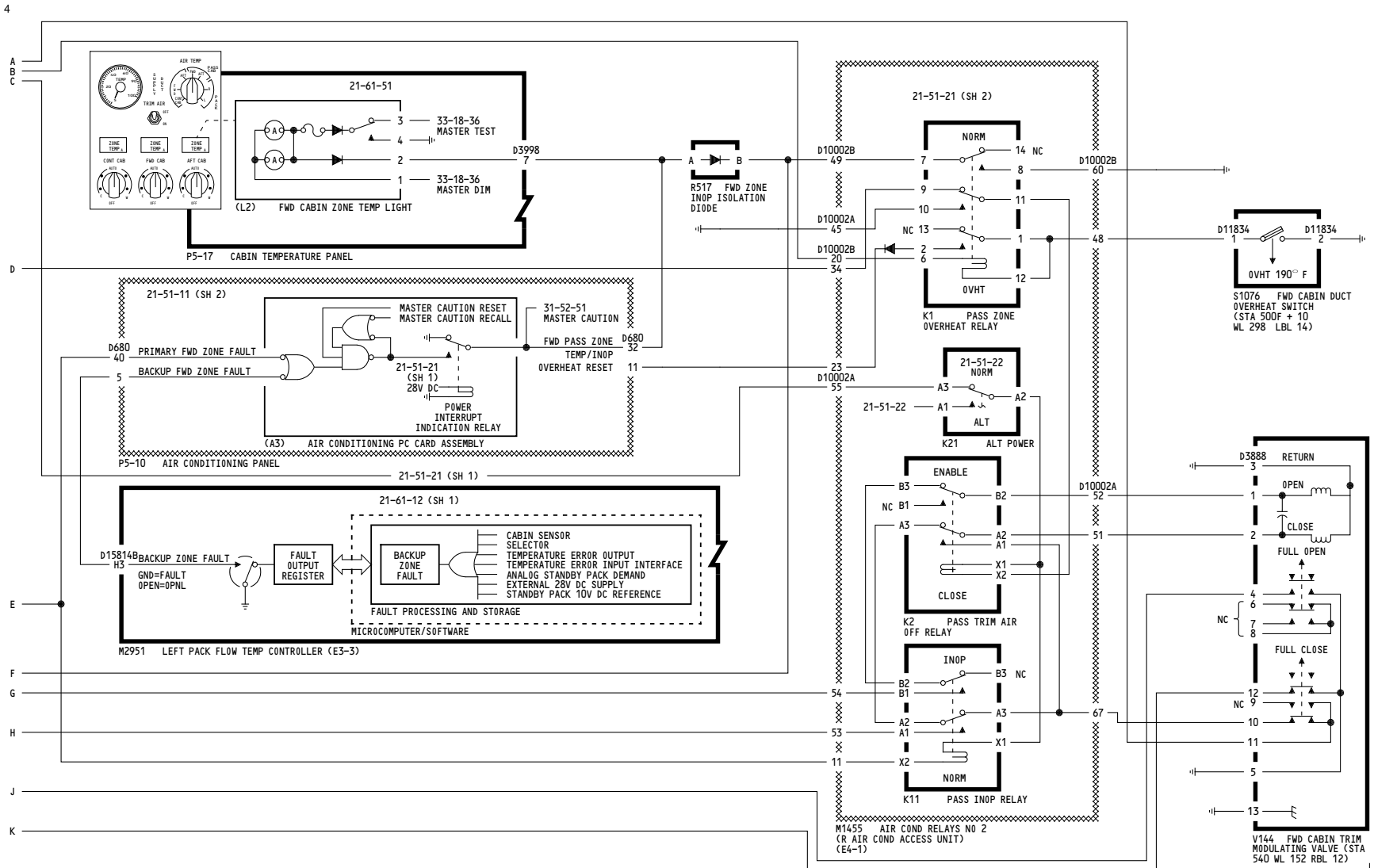
D280A451

21-61-13

Page 101
Sheet 2
Aug 31/2015

737-800 SYSTEM SCHEMATIC MANUAL





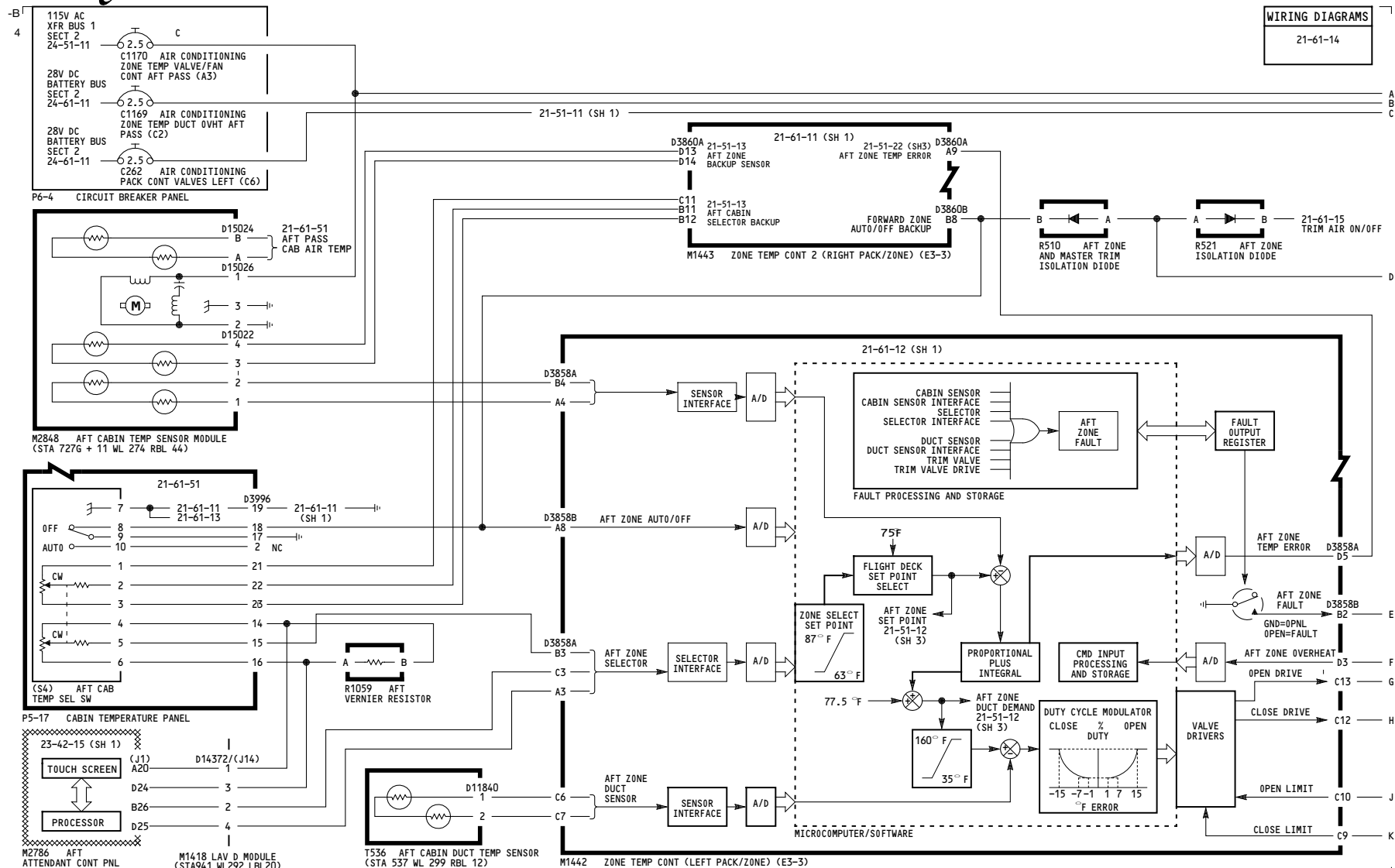
YT116-YT120, YT132-YT133

TEMPERATURE CONTROL - FWD PASSENGER ZONE

D280A451

21-61-13

Page 102
Sheet 2
Jun 21/2016



YT101-YT115, YT126-YT131

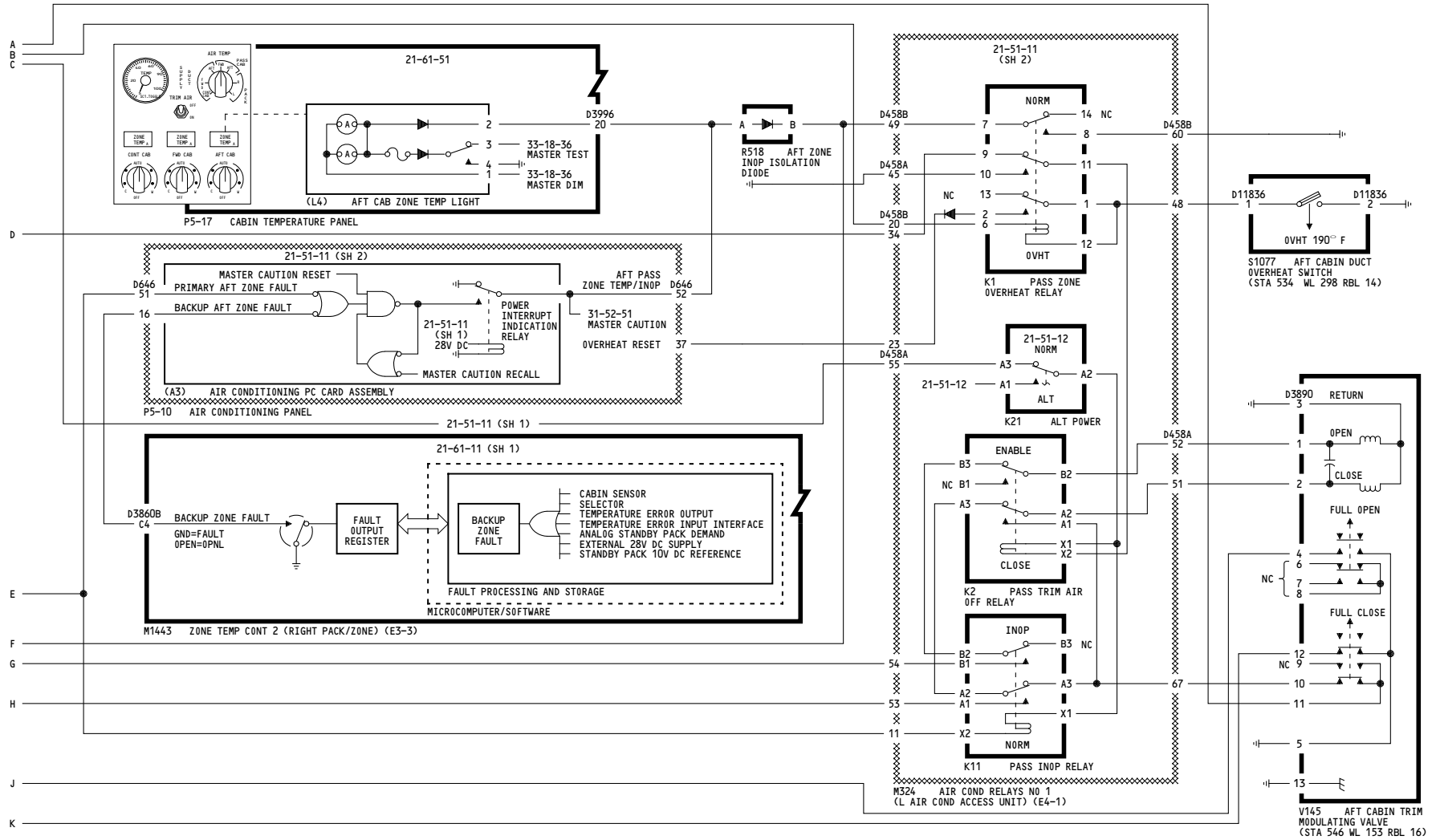
TEMPERATURE CONTROL - AFT PASSENGER ZONE

D280A451

21-61-14

Page 101
Sheet 1
Aug 31/2015

-B
2



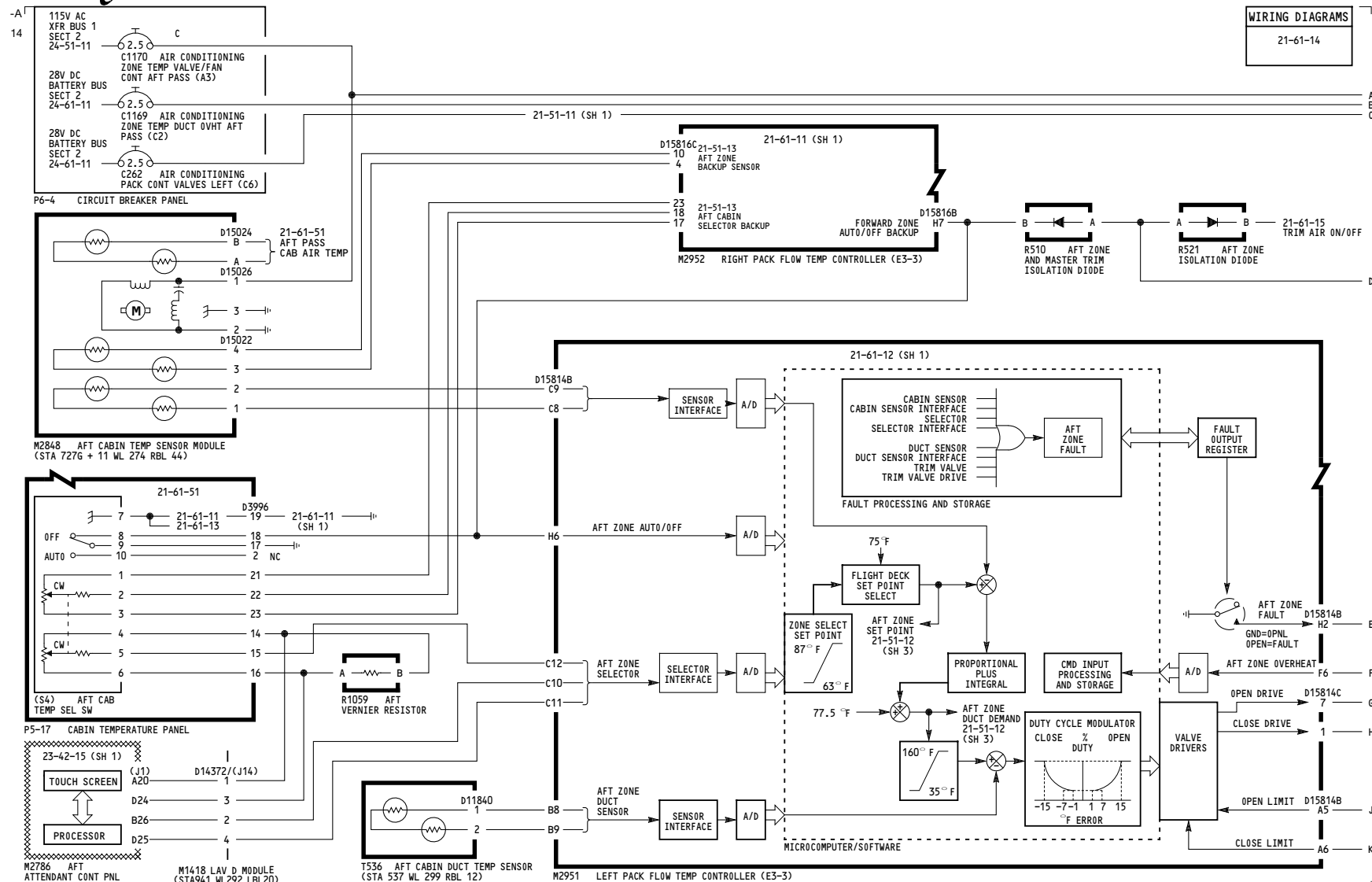
YT101-YT115, YT126-YT131

TEMPERATURE CONTROL - AFT PASSENGER ZONE

D280A451

21-61-14

Page 101
Sheet 2
Aug 31/2015

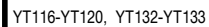


TEMPERATURE CONTROL - AFT PASSENGER ZONE

D280A451

21-61-14

Page 102
Sheet 1
Jun 21/2016

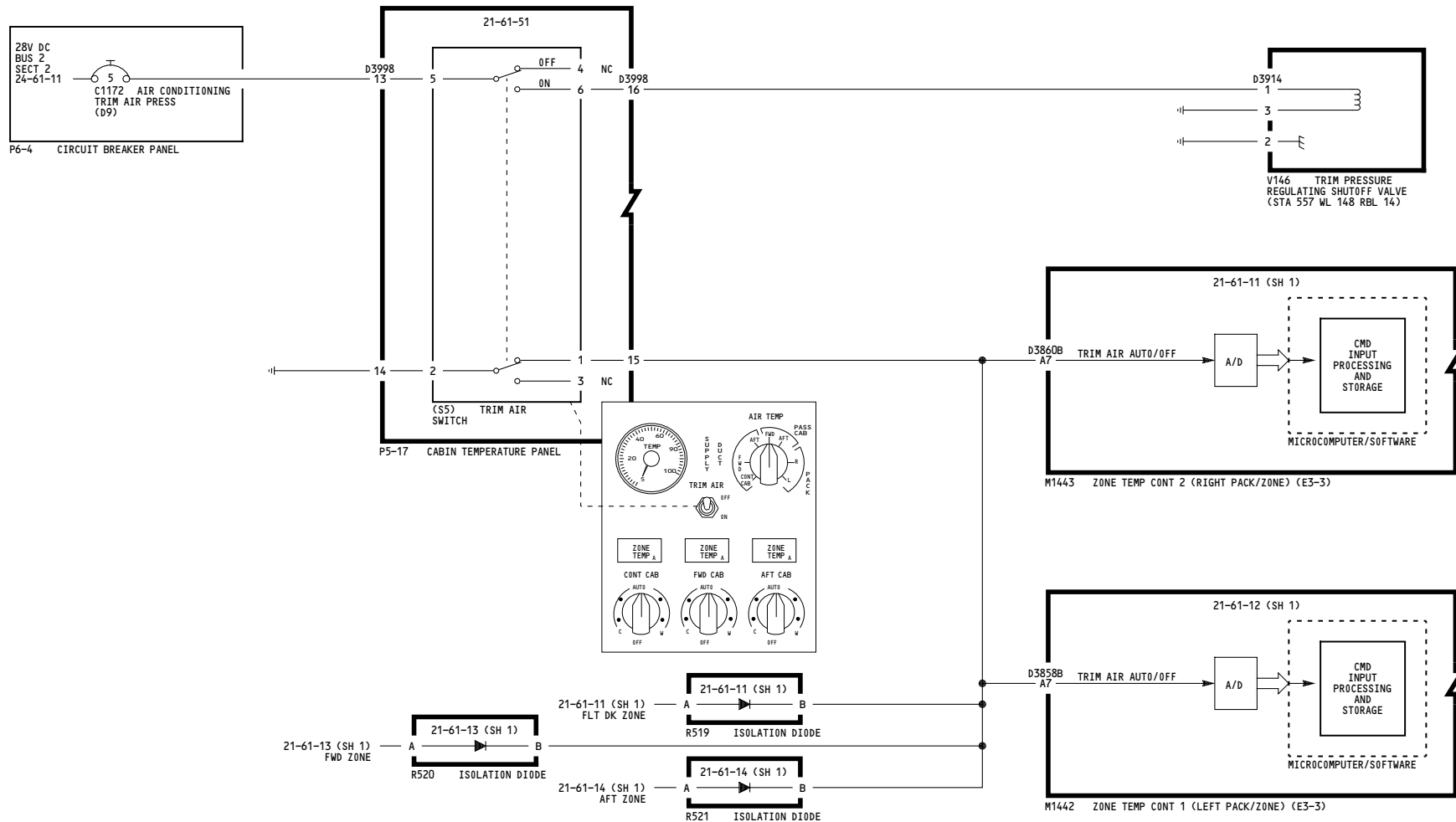


D280A451

Page 102
Sheet 2
Jun 21/2016

-D
1

WIRING DIAGRAMS
21-61-15



YT101-YT115, YT126-YT131

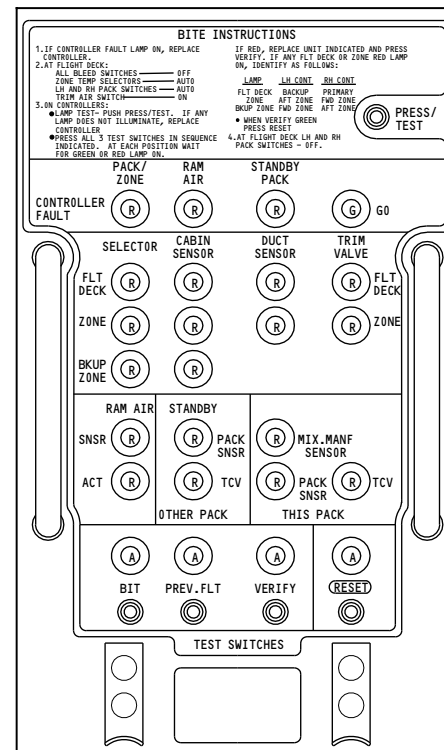
TEMPERATURE CONTROL - TRIM PRESSURE REGULATION

D280A451

21-61-15

Page 101

Aug 31/2015



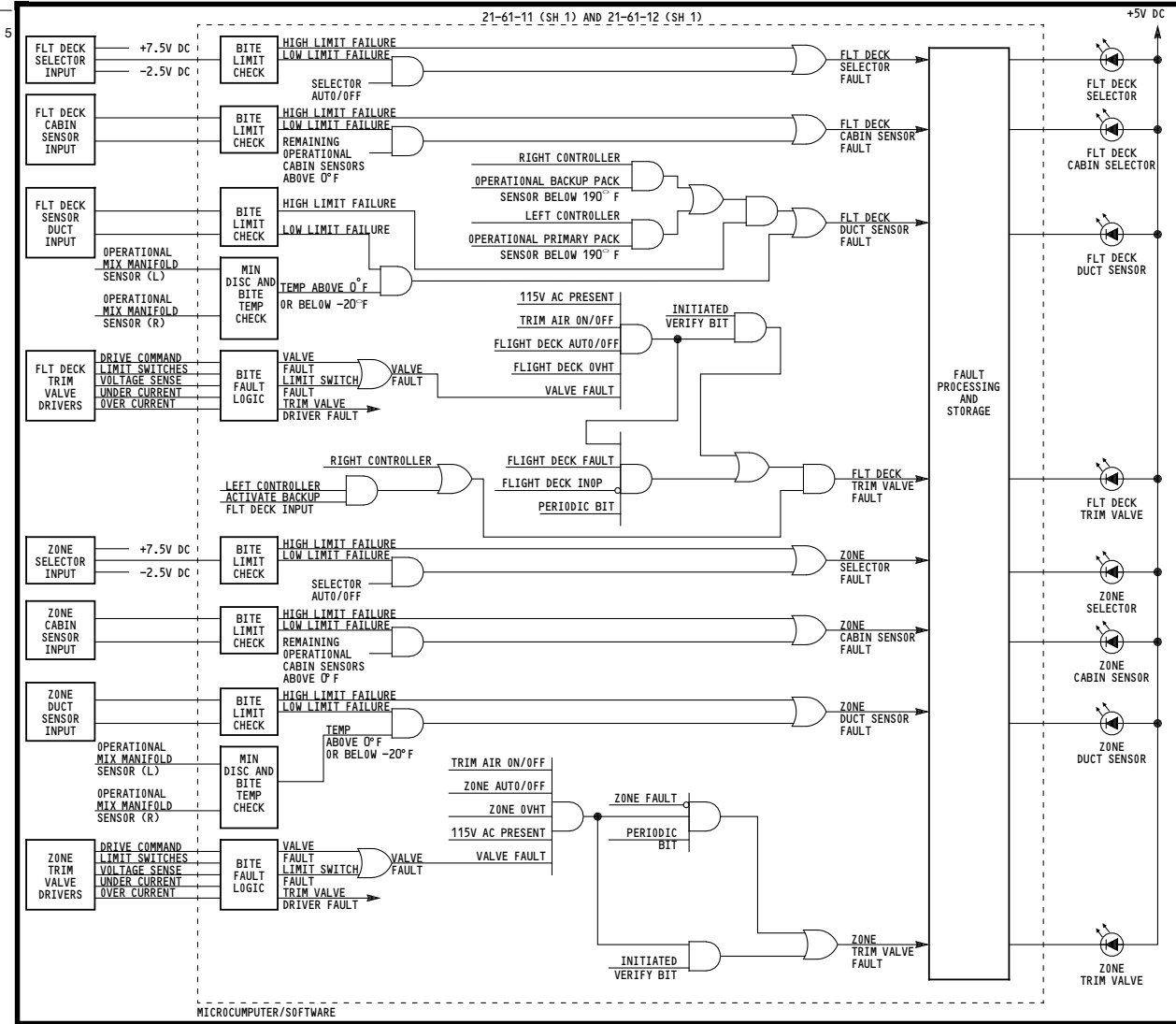
AIR CONDITIONING TEMPERATURE INDICATION

21-61-31

Page 101

Aug 31/2015

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M2951 AND M2952 LEFT & RIGHT FLOW TEMP CONTROLLERS (TYPICAL) (E3-3)

YT116-YT120, YT132-YT133

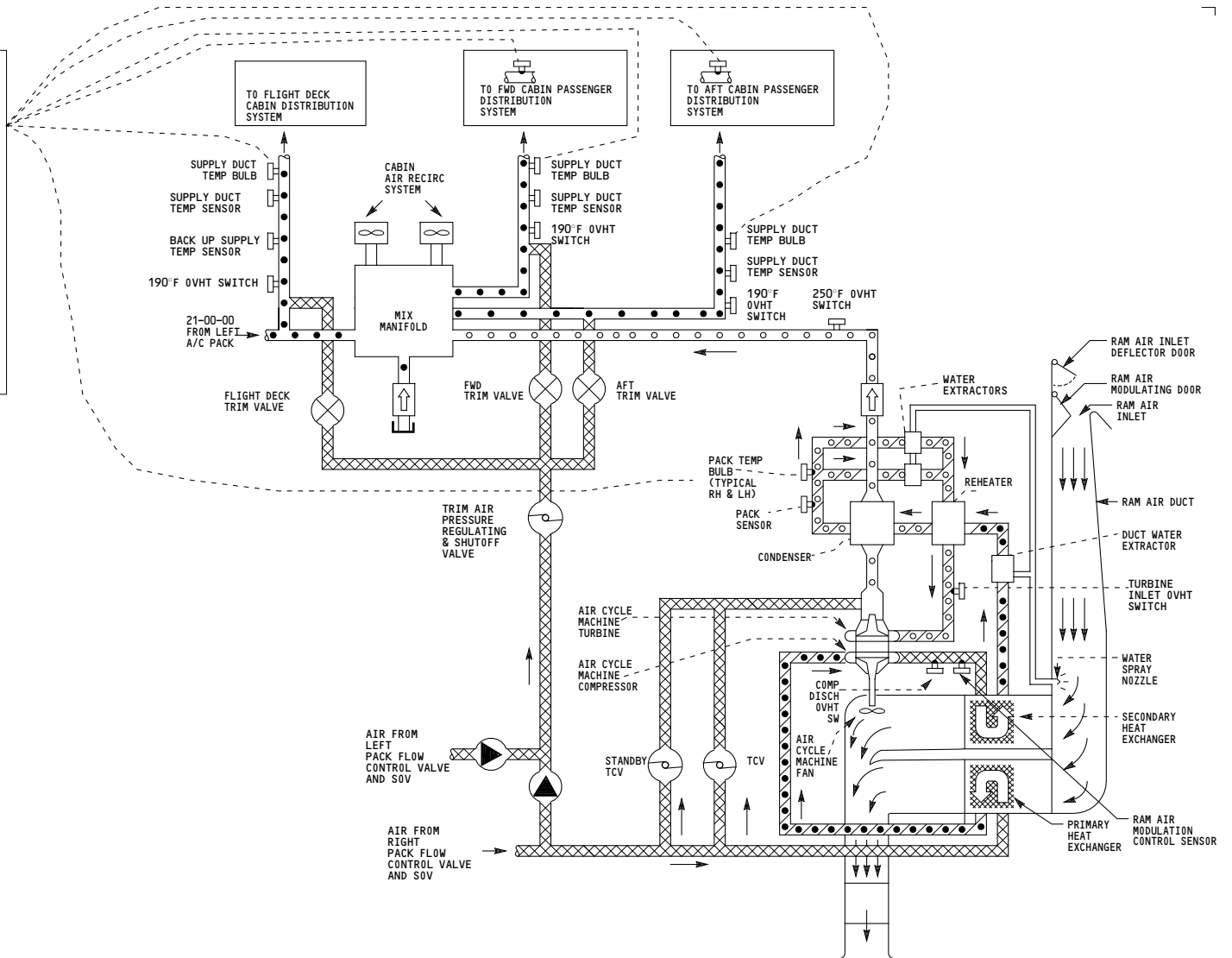
AIR CONDITIONING TEMPERATURE INDICATION

D280A451

21-61-31

Page 102

Jun 21/2016

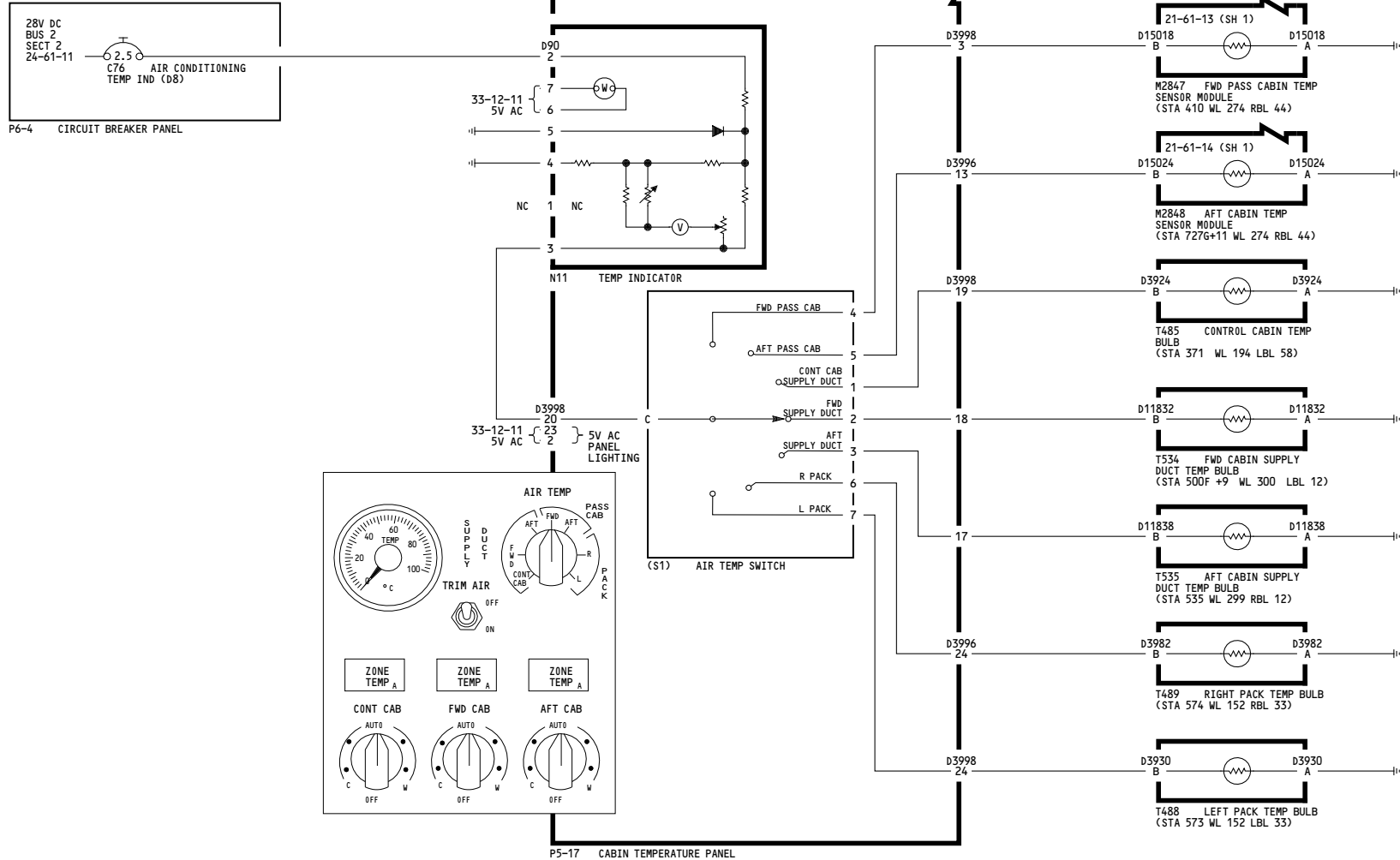


ALL

D280A451

Jun 21/2016

16



ALL

**AIR CONDITIONING
TEMPERATURE INDICATION**

D280A451

21-61-51

Page 101

Jun 21/2016