

**CHAPTER**

**36**

**PNEUMATIC**



CHAPTER 36  
PNEUMATIC

Title	CH-SC-SU	Schem	Page	Sheet	Date	Effectivity
<b><u>PNEUMATIC</u></b>						
■ PNEUMATIC SYSTEM - SIMPLIFIED	36-00-00		101	1	May 06/2009	ALL
■				2	May 06/2009	ALL
<b><u>AIR SUPPLY DISTRIBUTION SYSTEM</u></b>						
■ BLEED AIR CONTROL - LEFT ENGINE	36-11-01		101		May 06/2009	001-009
			102		Dec 18/2007	010-099
BLEED AIR CONTROL - RIGHT ENGINE	36-11-02		101		Jan 21/2005	001-009
			102		Jan 21/2005	010-099
APU AIR SUPPLY VALVE CONTROL	36-11-03		101	1	Jan 21/2005	001-009
				2	Jan 21/2005	001-009
			102	1	Jan 21/2005	010-099
				2	Jan 21/2005	010-099
AIR SUPPLY ISOLATION VALVE CONTROL	36-11-05		101		Jan 21/2005	001-008
			102		Jan 21/2005	009-099
■ ECS BLEED CONFIGURATION CARD	36-11-06		101	1	May 06/2009	ALL
■				2	May 06/2009	ALL
<b><u>AIR SUPPLY PRESSURE INDICATING SYSTEM</u></b>						
■ AIR SUPPLY DUCT PRESSURE INDICATION	36-21-01		101		May 06/2009	ALL
<b><u>AIR SUPPLY TEMPERATURE INDICATING SYSTEM</u></b>						
■ AIR SUPPLY OVERHEAT INDICATION	36-22-01		101		May 06/2009	ALL
■ PRECOOLER OUT TEMPERATURE INDICATION	36-22-02		101		May 06/2009	ALL



CHAPTER 36  
PNEUMATIC

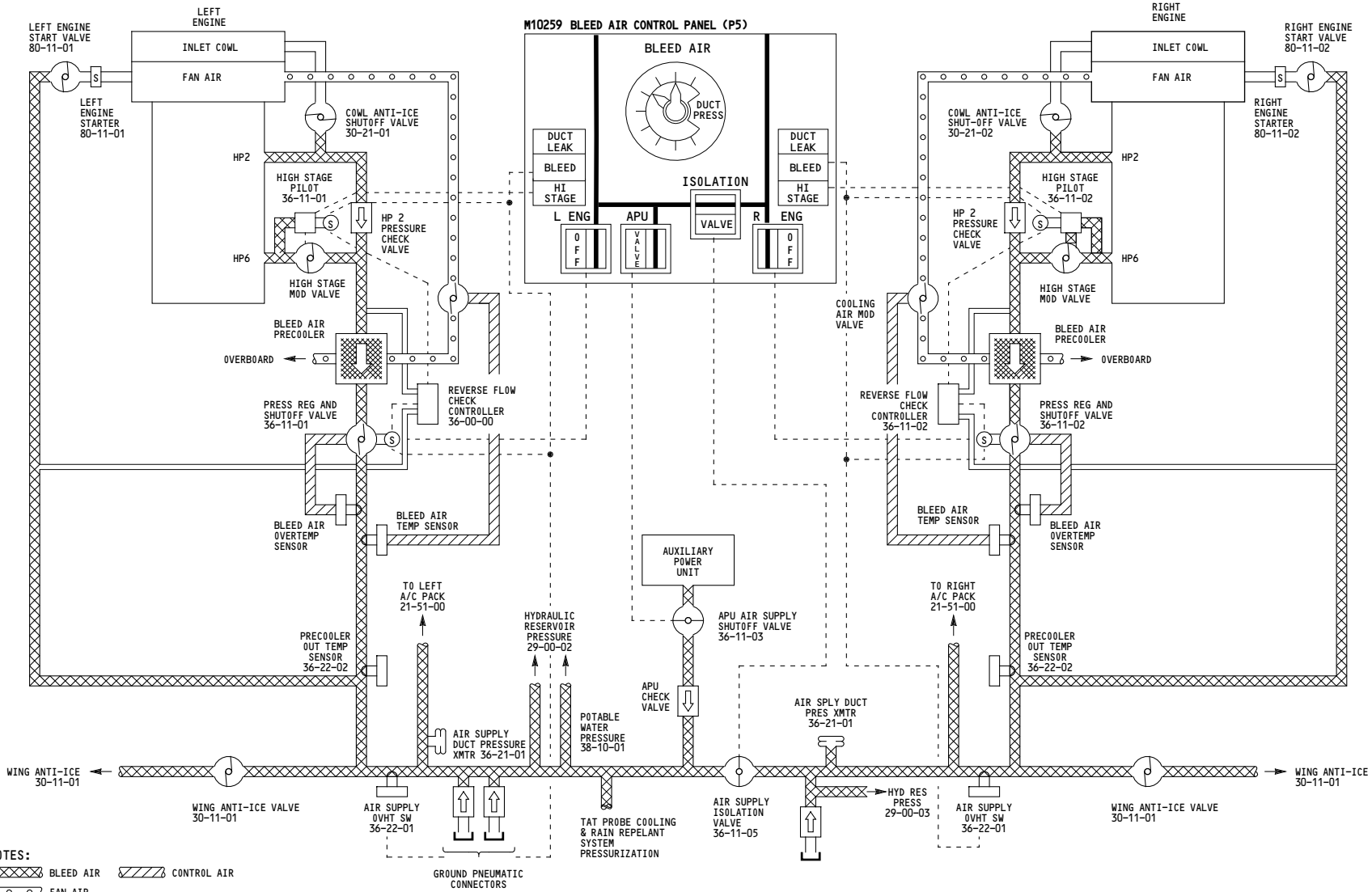
CH-SC-SU	Title
36-21-01	AIR SUPPLY DUCT PRESSURE INDICATION
36-11-05	AIR SUPPLY ISOLATION VALVE CONTROL
36-22-01	AIR SUPPLY OVERHEAT INDICATION
36-11-03	APU AIR SUPPLY VALVE CONTROL
36-11-01	BLEED AIR CONTROL - LEFT ENGINE
36-11-02	BLEED AIR CONTROL - RIGHT ENGINE
36-11-06	ECS BLEED CONFIGURATION CARD
36-00-00	PNEUMATIC SYSTEM - SIMPLIFIED
36-22-02	PRECOOLER OUT TEMPERATURE INDICATION

CH-SC-SU	Title
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**36-ALPHABETICAL INDEX**

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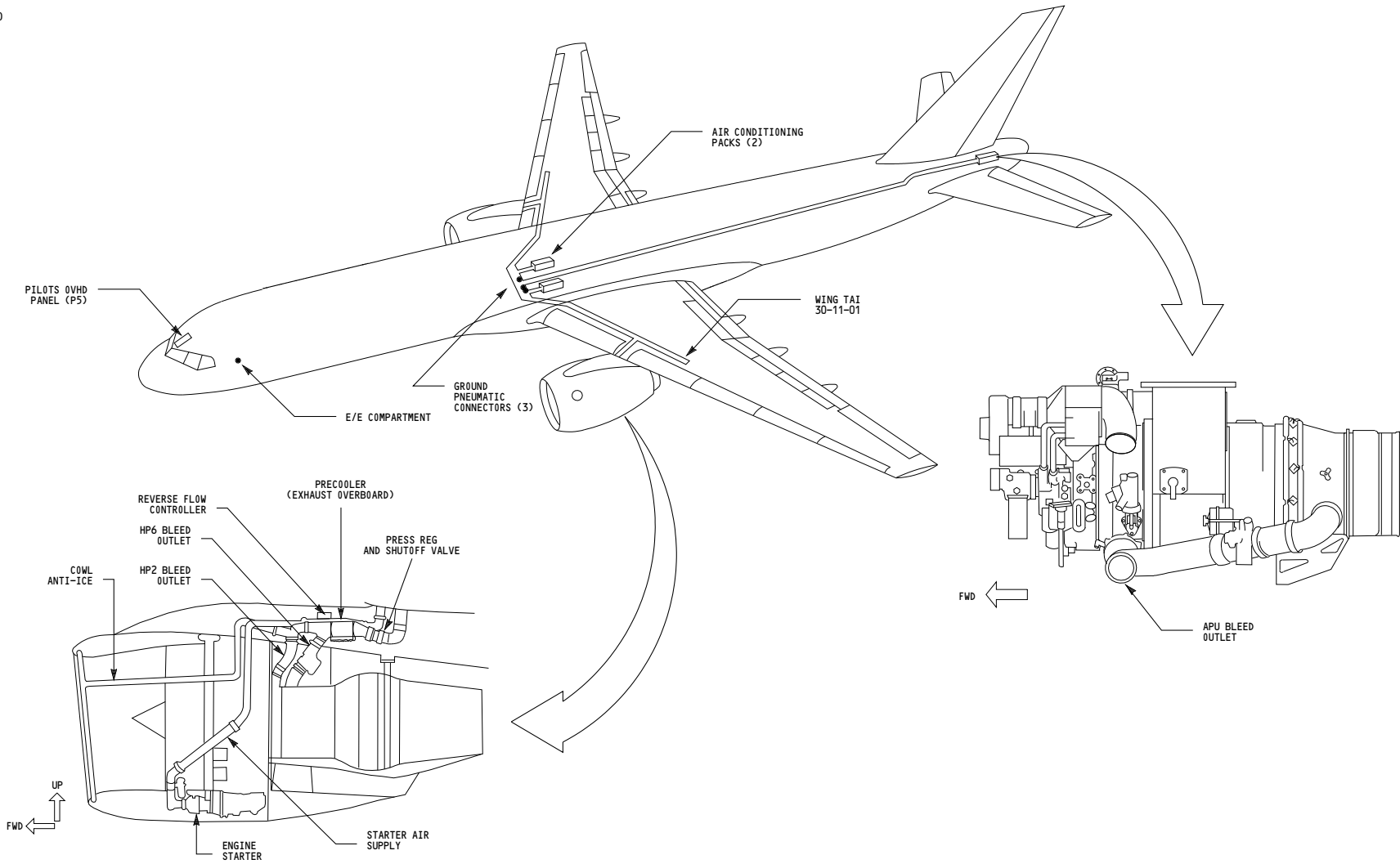


- NOTES:**
- BLEED AIR
  - CONTROL AIR
  - FAN AIR

ALL	<p><b>PNEUMATIC SYSTEM - SIMPLIFIED</b></p> <p>D280N032S</p>
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**36-00-00**

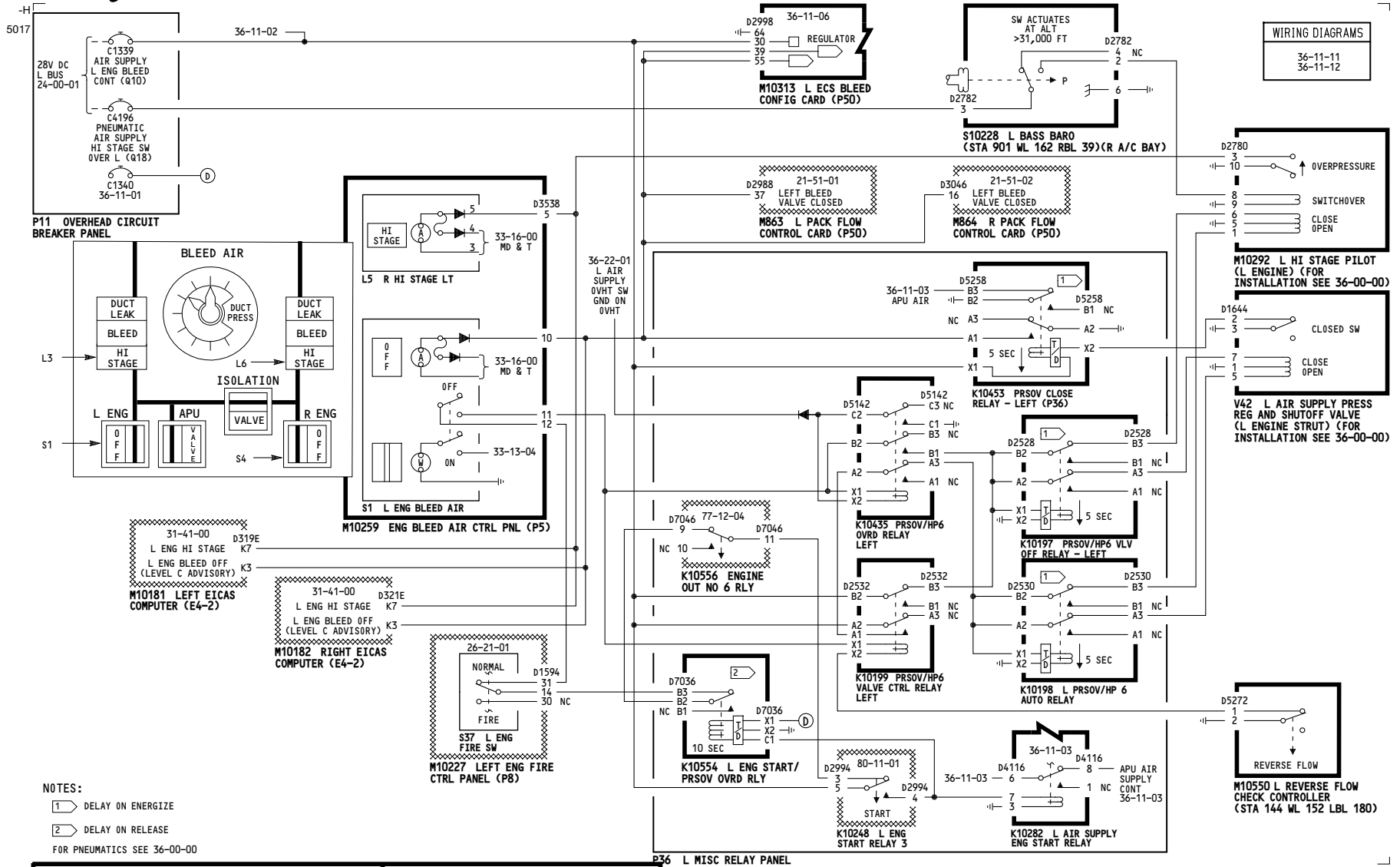
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ALL	<p><b>PNEUMATIC SYSTEM - SIMPLIFIED</b></p> <p>D280N032S</p>
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**36-00-00**

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Sheet 2  
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WIRING DIAGRAMS  
36-11-11  
36-11-12

D2780  
3 10  
8 9  
6 5  
1  
OVERPRESSURE  
SWITCHOVER  
CLOSE  
OPEN

M10292 L HI STAGE PILOT (L ENGINE) (FOR INSTALLATION SEE 36-00-00)

D1644  
3 7  
1 5  
CLOSED SW  
CLOSE  
OPEN

V42 L AIR SUPPLY PRESS REG AND SHUTOFF VALVE (L ENGINE STRUT) (FOR INSTALLATION SEE 36-00-00)

D5272  
1 2  
REVERSE FLOW  
M10550 L REVERSE FLOW CHECK CONTROLLER (STA 144 WL 152 LBL 180)

NOTES:  
1 DELAY ON ENERGIZE  
2 DELAY ON RELEASE  
FOR PNEUMATICS SEE 36-00-00

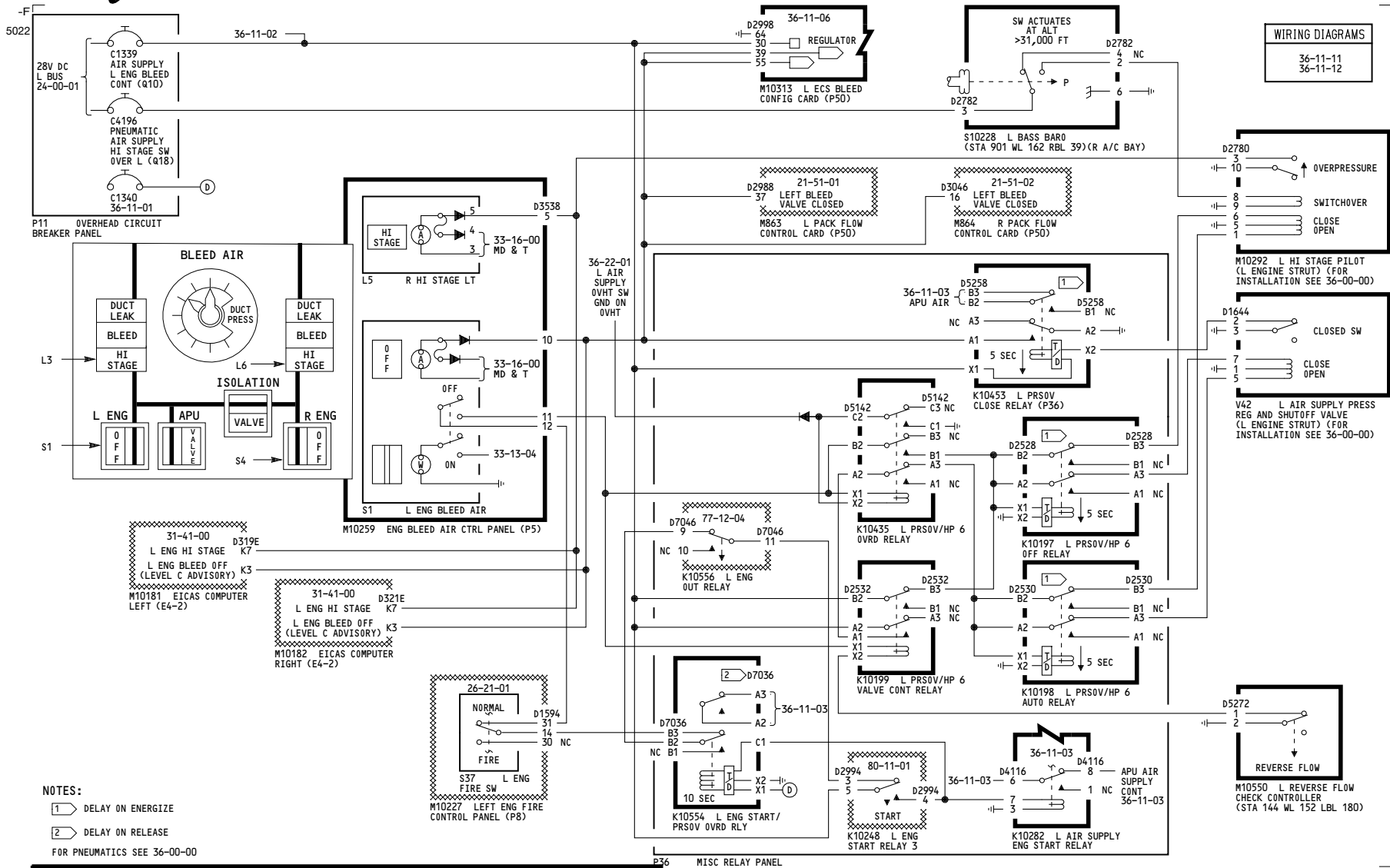
001-009

BLEED AIR CONTROL - LEFT ENGINE

D280N032S

36-11-01





WIRING DIAGRAMS  
36-11-11  
36-11-12

D2780  
3 10  
8 9  
6 5  
1  
OVERPRESSURE  
SWITCHOVER  
CLOSE  
OPEN  
M10292 L HI STAGE PILOT  
(L ENGINE STRUT) (FOR  
INSTALLATION SEE 36-00-00)  
D1644  
3  
7  
5  
CLOSED SW  
CLOSE  
OPEN  
V42 L AIR SUPPLY PRESS  
REG AND SHUTOFF VALVE  
(L ENGINE STRUT) (FOR  
INSTALLATION SEE 36-00-00)

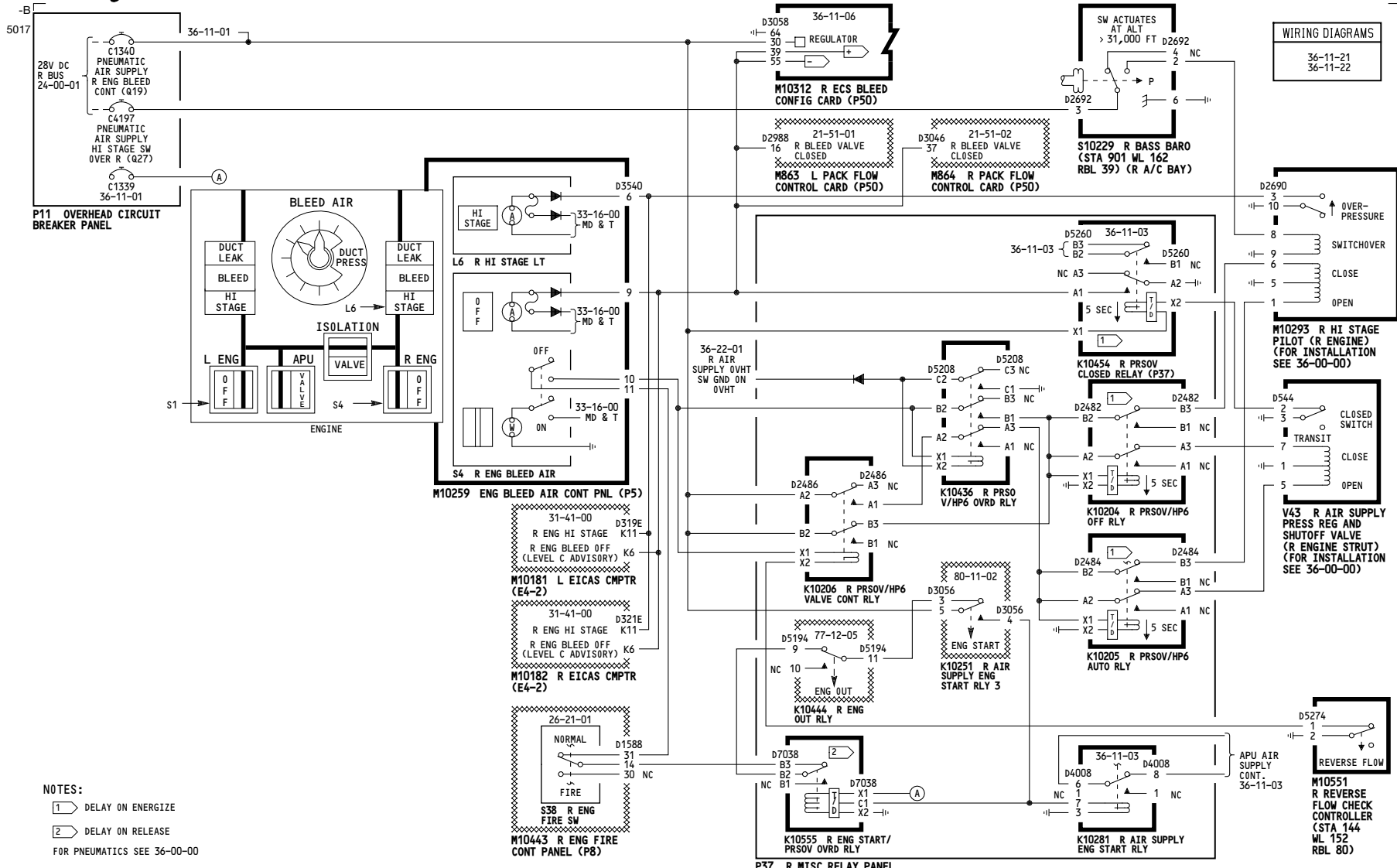
NOTES:  
1 DELAY ON ENERGIZE  
2 DELAY ON RELEASE  
FOR PNEUMATICS SEE 36-00-00

010-099

**BLEED AIR CONTROL - LEFT ENGINE**

D280N032S

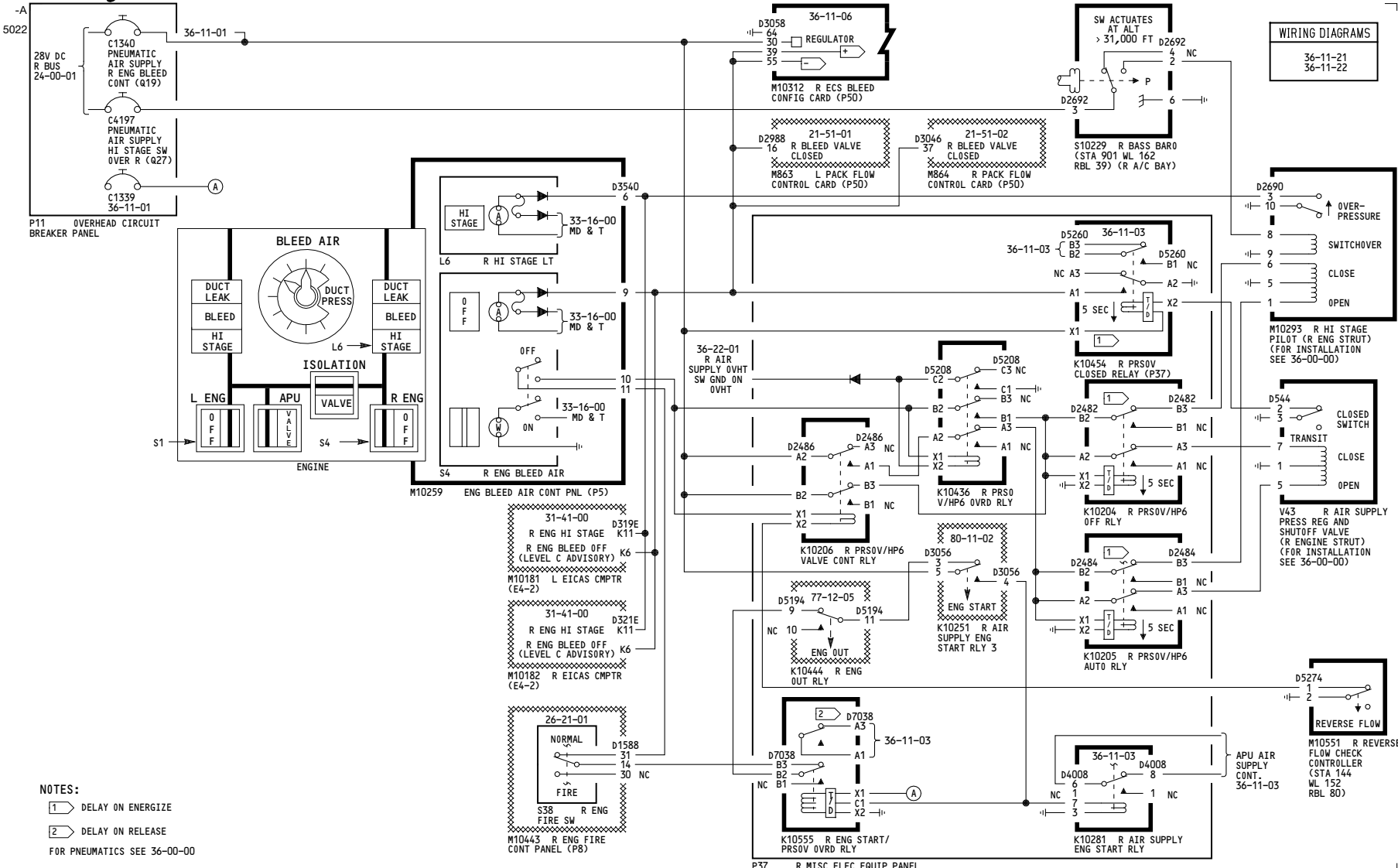
**36-11-01**



**NOTES:**  
 1 DELAY ON ENERGIZE  
 2 DELAY ON RELEASE  
 FOR PNEUMATICS SEE 36-00-00

001-009	<p><b>BLEED AIR CONTROL - RIGHT ENGINE</b></p> <p>D280N032S</p>
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**36-11-02**



WIRING DIAGRAMS  
36-11-21  
36-11-22

D2690  
10 OVER-PRESSURE  
8 SWITCHOVER  
6 CLOSE  
5 OPEN  
M10293 R HI STAGE PILOT (R ENG STRUT) (FOR INSTALLATION SEE 36-00-00)

D544  
3 CLOSED SWITCH  
7 TRANSIT  
1 CLOSE  
5 OPEN  
V43 R AIR SUPPLY PRESS REG AND SHUTOFF VALVE (R ENGINE STRUT) (FOR INSTALLATION SEE 36-00-00)

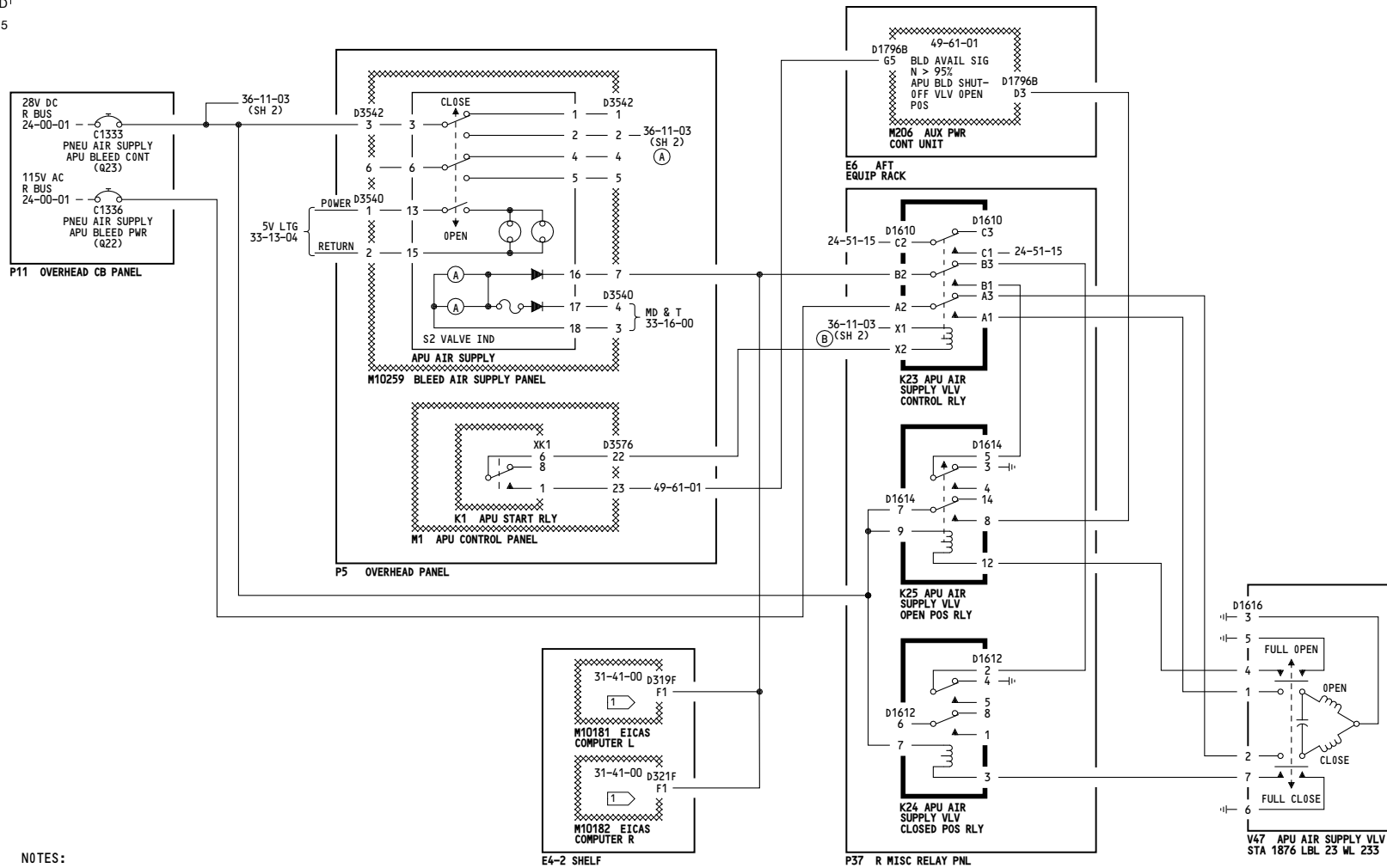
D5274  
1 REVERSE FLOW  
2  
M10551 R REVERSE FLOW CHECK CONTROLLER (STA 144 WL 152 RBL 80)

NOTES:  
1 DELAY ON ENERGIZE  
2 DELAY ON RELEASE  
FOR PNEUMATICS SEE 36-00-00

010-099	<b>BLEED AIR CONTROL - RIGHT ENGINE</b>
D280N032S	

**36-11-02**

-D  
5015



**NOTES:**

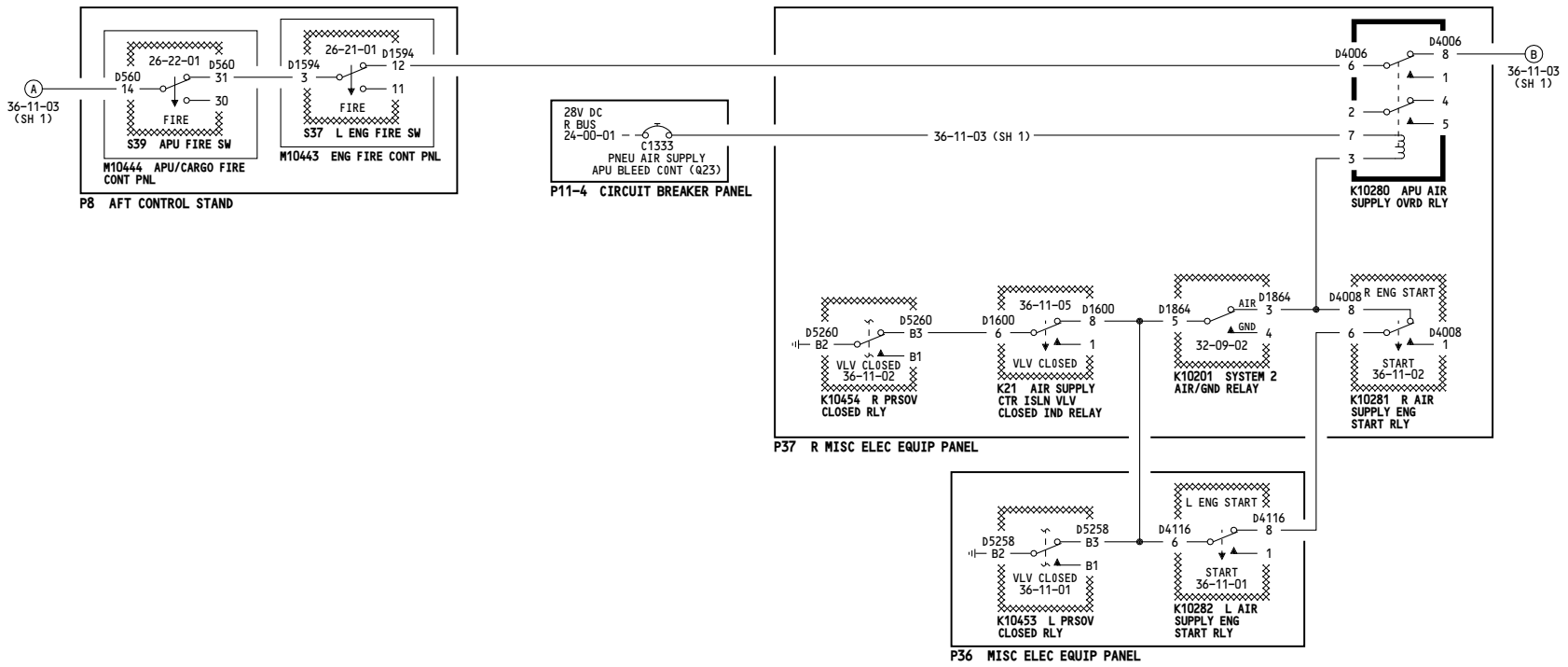
- 1. WIRE GAGE NO.24 AWG
- 2. WIRE SEPARATION N2

1 EICAS CAUTION ADVISORY MESSAGE "APU BLEED VAL"  
EICAS WILL PROVIDE A 6 SEC TIME DELAY BEFORE  
REGISTERING A FAULT CONDITION.

001-009	<b>APU AIR SUPPLY VALVE CONTROL</b>  D280N032S
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**36-11-03**

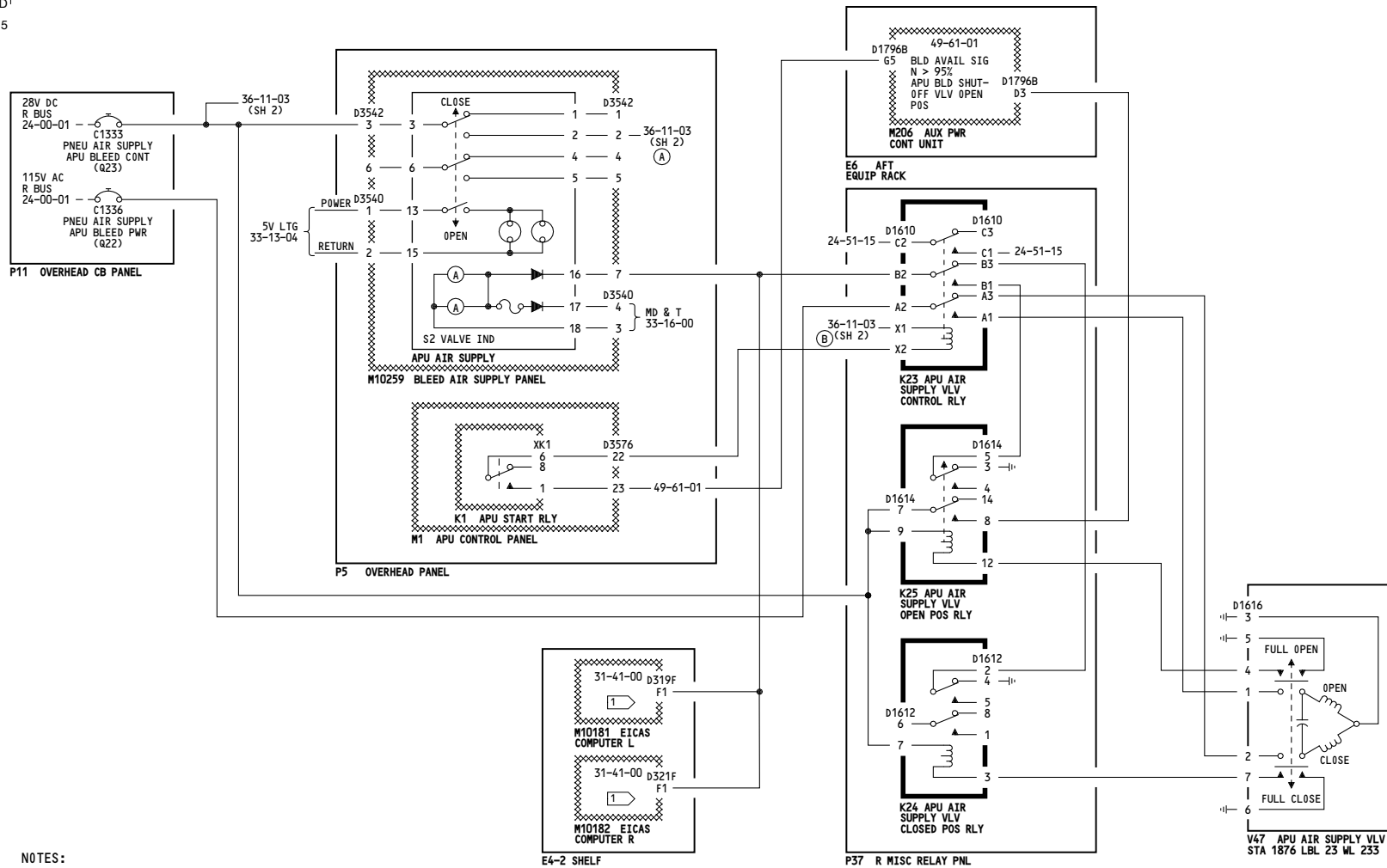
-A  
5012



001-009	<p align="center"><b>APU AIR SUPPLY VALVE CONTROL</b></p> <p align="center">D280N032S</p>
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**36-11-03**

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5015



**NOTES:**

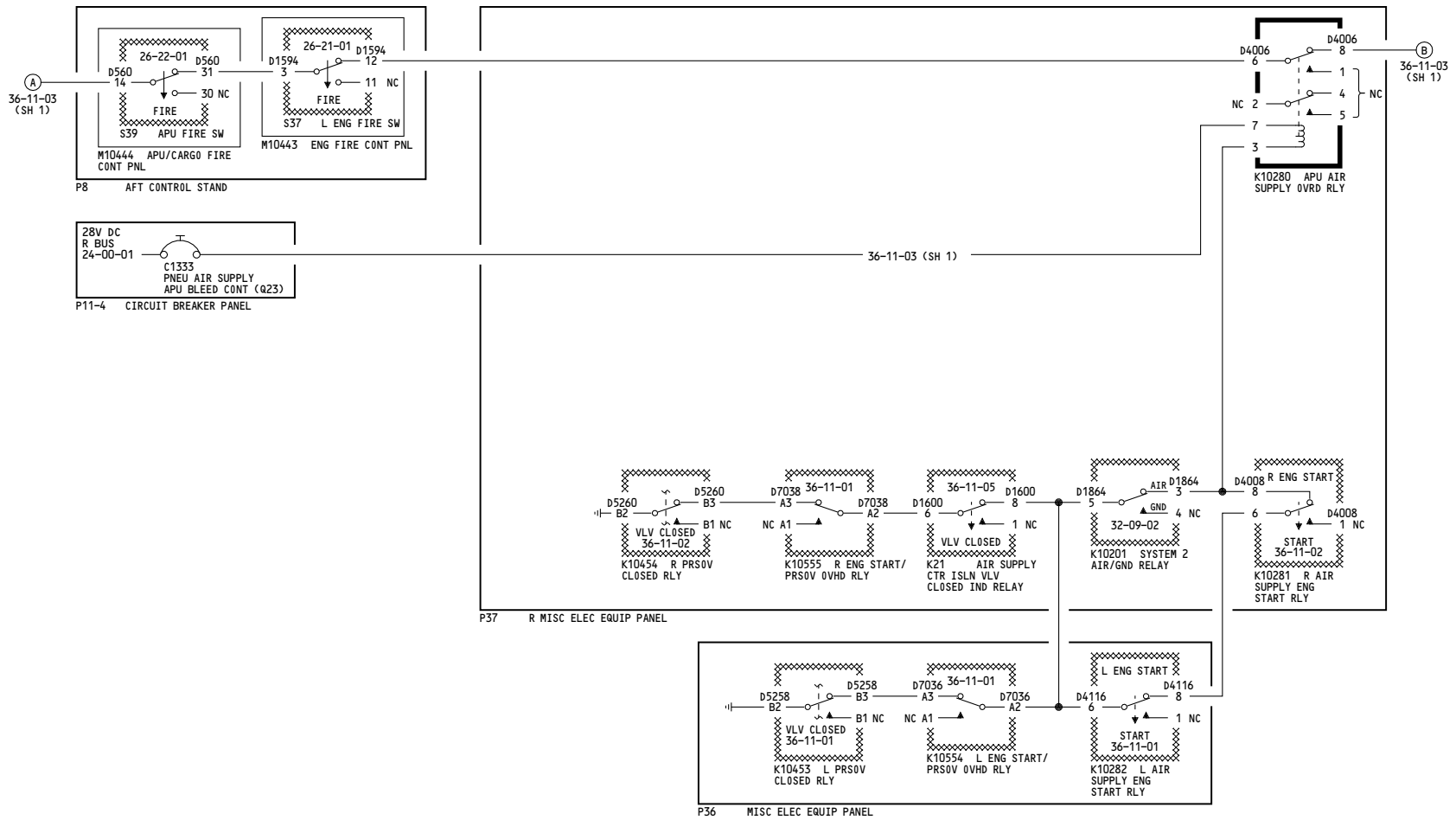
1. WIRE GAGE NO.24 AWG
2. WIRE SEPARATION N2

1 EICAS CAUTION ADVISORY MESSAGE "APU BLEED VAL"  
EICAS WILL PROVIDE A 6 SEC TIME DELAY BEFORE  
REGISTERING A FAULT CONDITION.

010-099	<b>APU AIR SUPPLY VALVE CONTROL</b>  D280N032S
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**36-11-03**

5015



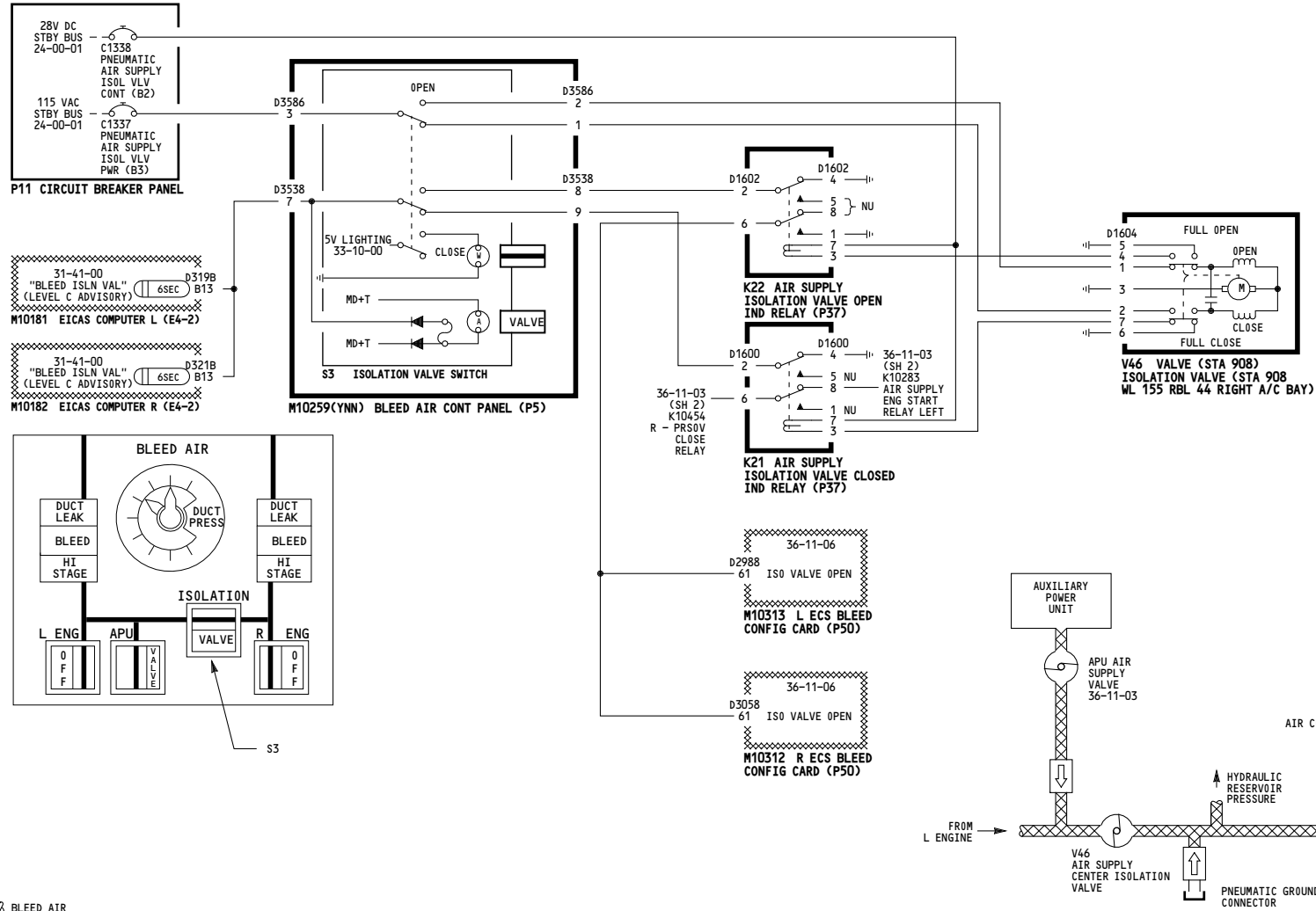
010-099	<p align="center"><b>APU AIR SUPPLY VALVE CONTROL</b></p> <p align="center">D280N032S</p>
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5012

WIRING DIAGRAMS  
36-11-31



XXXX BLEED AIR

001-008

**AIR SUPPLY ISOLATION VALVE CONTROL**

D280N032S

**36-11-05**

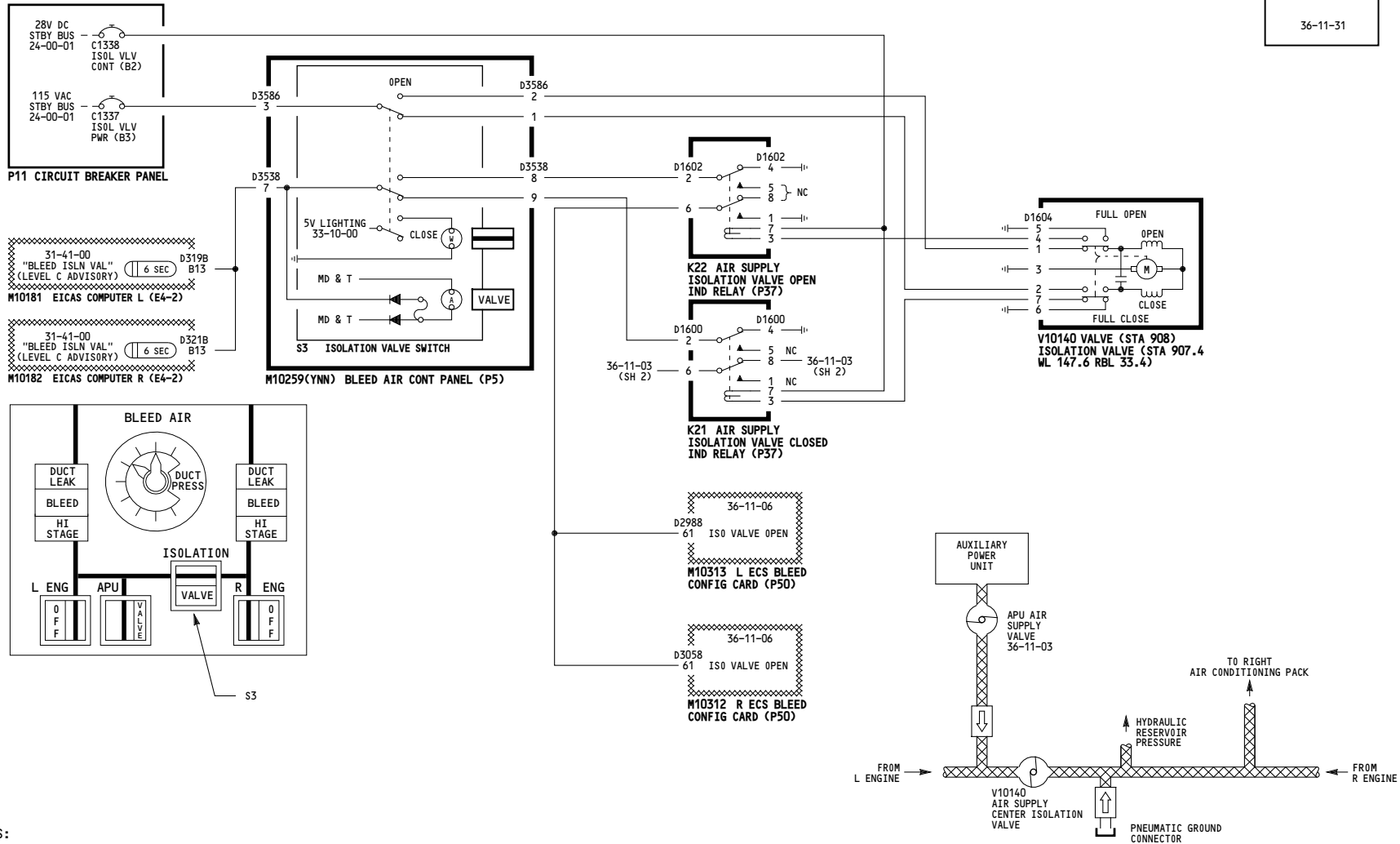
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5013

WIRING DIAGRAMS  
36-11-31



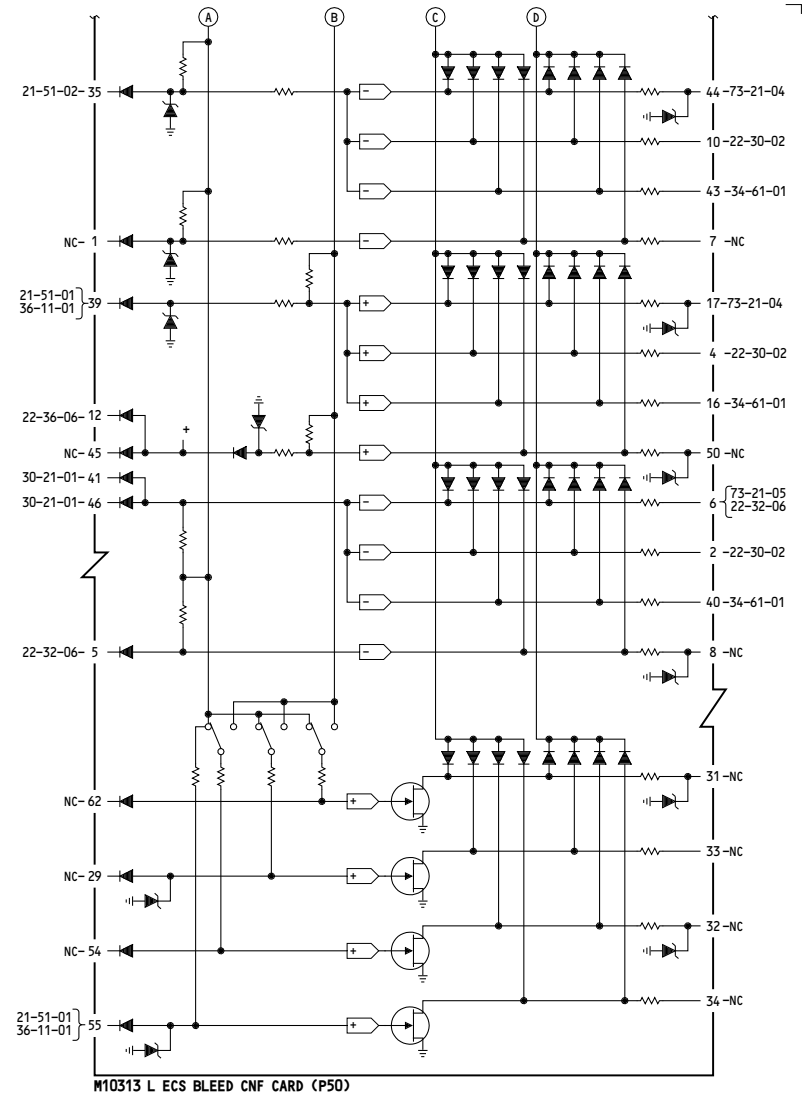
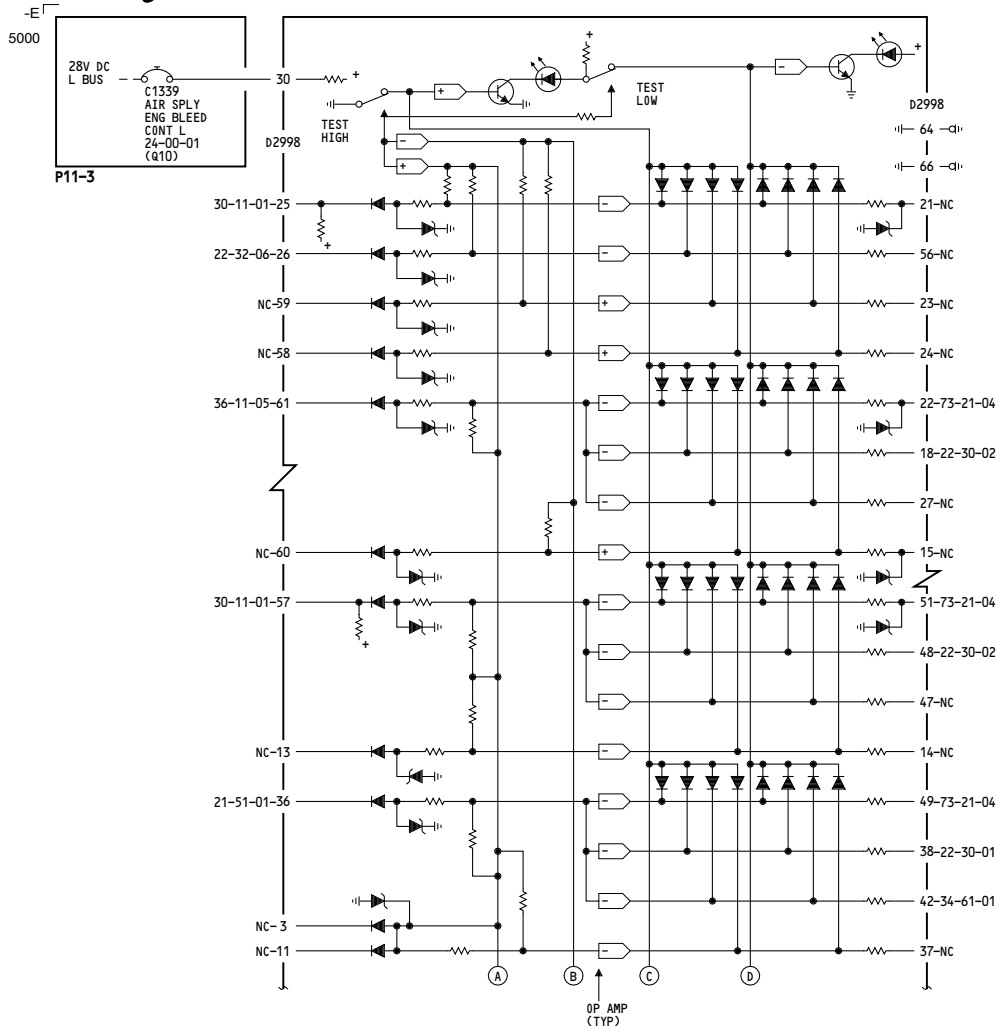
NOTES:  
XXXX BLEED AIR

009-099	<p><b>AIR SUPPLY ISOLATION VALVE CONTROL</b></p> <p>D280N032S</p>
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**36-11-05**

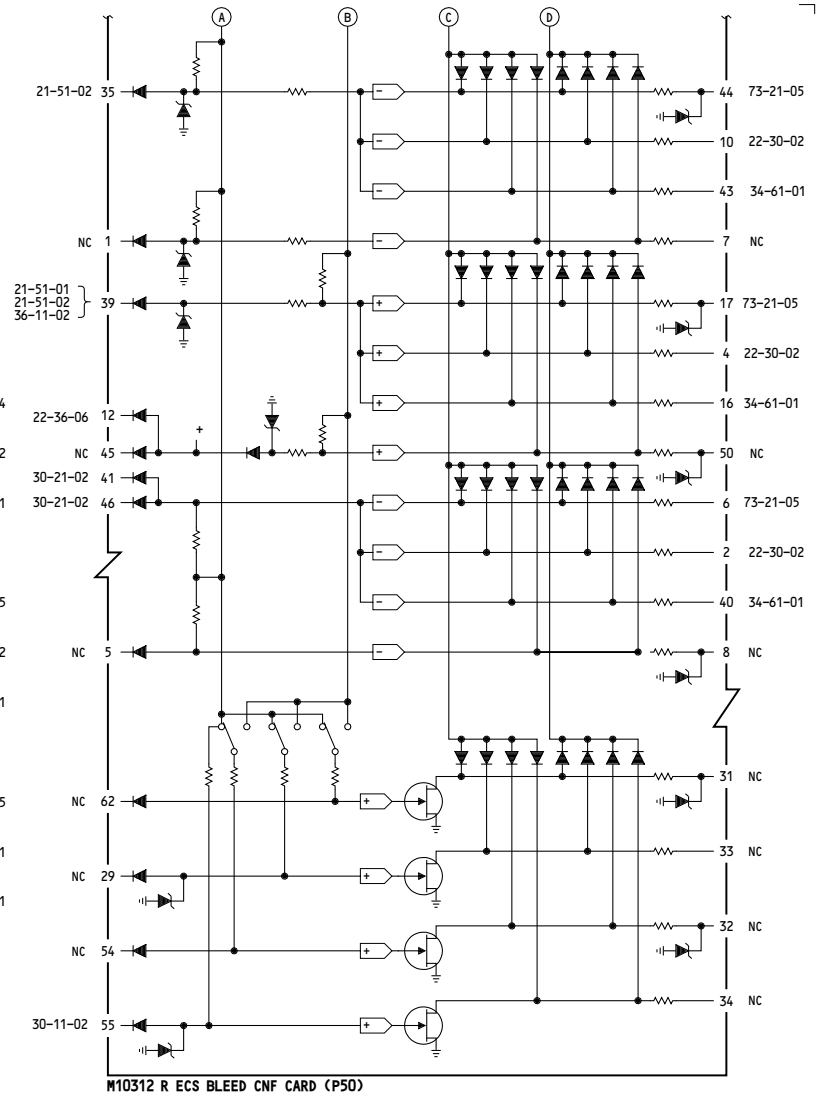
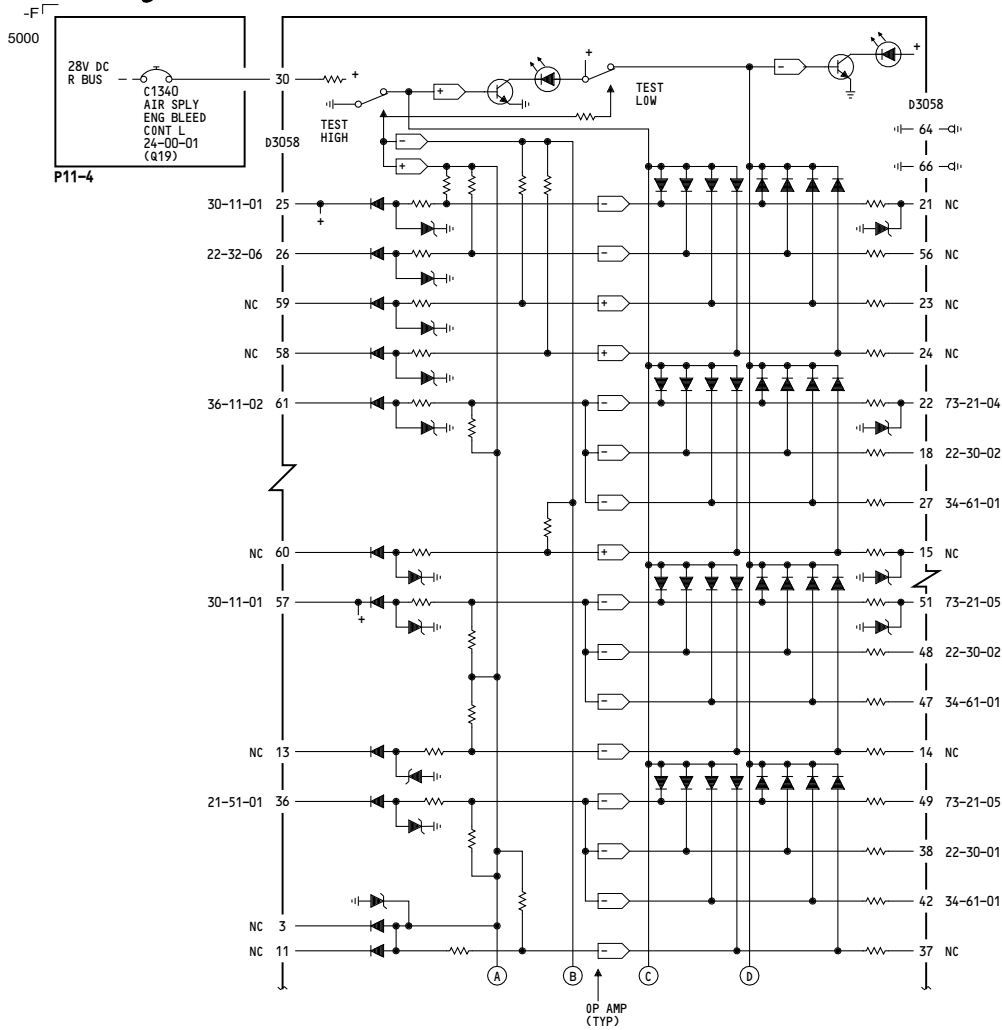
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ALL	<b>ECS BLEED CONFIGURATION CARD</b>
D280N032S	

**36-11-06**

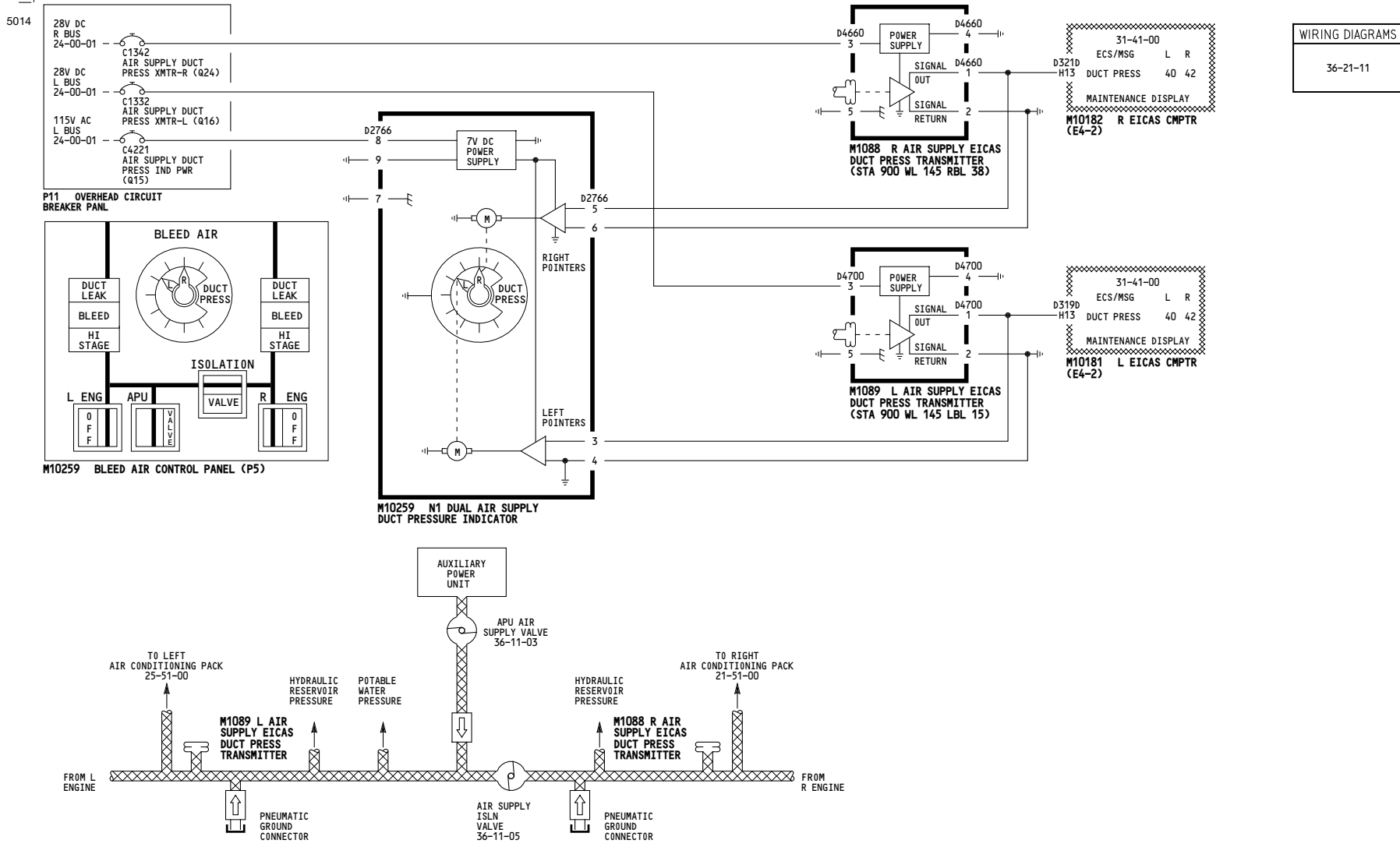


ALL	<b>ECS BLEED CONFIGURATION CARD</b>
D280N032S	

**36-11-06**

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WIRING DIAGRAMS  
36-21-11



ALL

**AIR SUPPLY DUCT PRESSURE INDICATION**

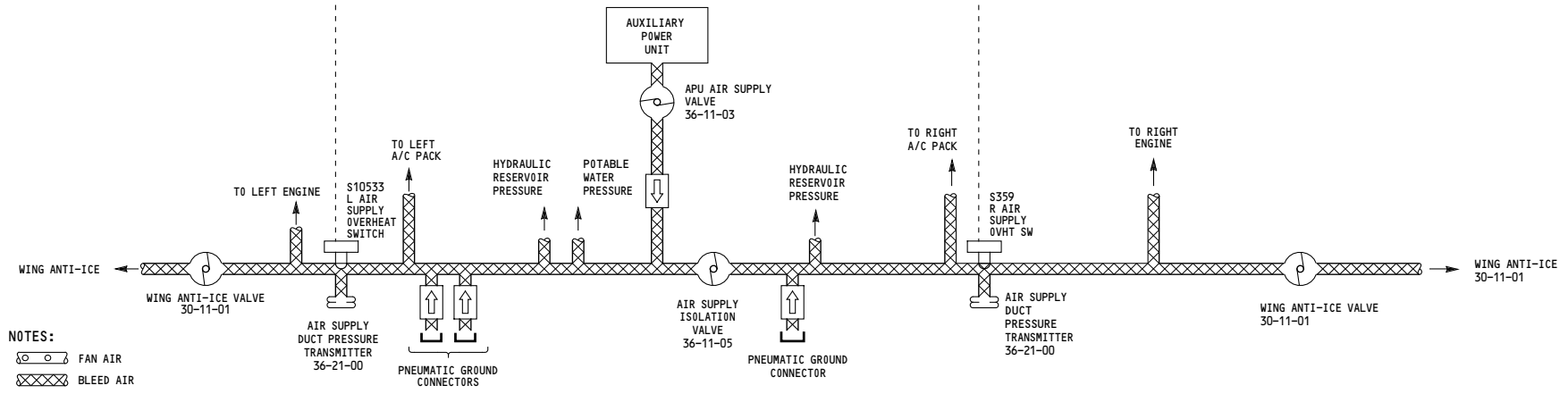
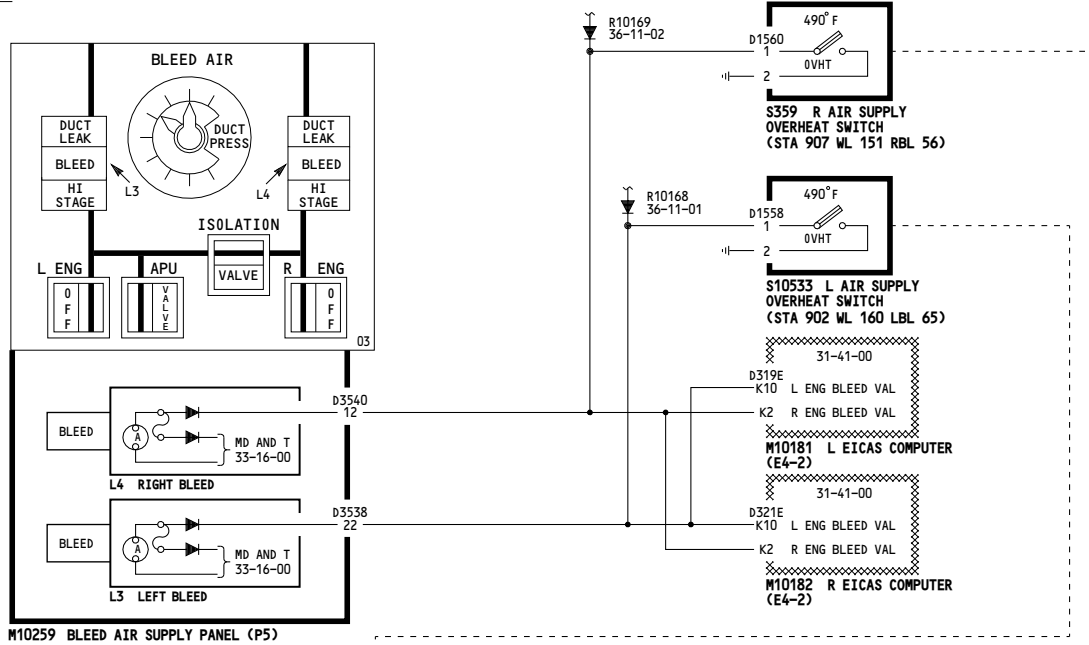
D280N032S

**36-21-01**

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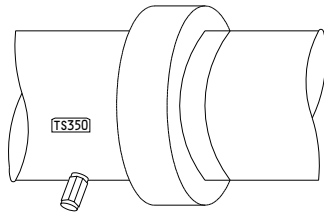
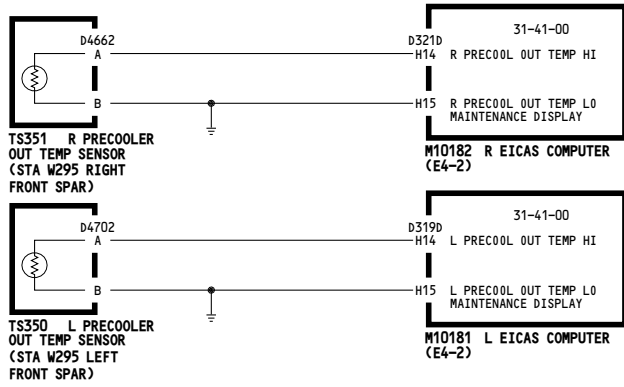
**NOTES:**  
 FAN AIR  
 BLEED AIR

ALL	<p><b>AIR SUPPLY OVERHEAT INDICATION</b></p> <p>D280N032S</p>
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**36-22-01**

5011

WIRING DIAGRAMS  
36-22-21



NOTES:  
FOR PNEUMATICS SEE 36-00-00

ALL	<p><b>PRECOOLER OUT TEMPERATURE INDICATION</b></p> <p>D280N032S</p>
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**36-22-02**

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