

CHAPTER

36

PNEUMATIC

CHAPTER 36
PNEUMATIC

CH-SC-SU	Schem	Page	Sheet	Date	CH-SC-SU	Schem	Page	Sheet	Date
36-EFFECTIVE PAGES					36-11-04 (cont.)				
		1 thru 3		Aug 05/2009			101		
		4		BLANK				2	Jan 21/2005
36-CONTENTS							101.1	1	Jan 21/2005
		1		Jun 28/2006				2	Jan 21/2005
		2		Feb 06/2009			102	1	Jan 21/2005
		3		Feb 06/2009				2	Jan 21/2005
		4		Feb 06/2009			103	1	Jan 21/2005
36-ALPHABETICAL INDEX								2	Jan 21/2005
		1		Jun 28/2006	36-11-05				
		2		BLANK			101.1	1	Jan 21/2005
36-00-00								2	Jan 21/2005
		101		Jan 21/2005			102.1	1	Jan 21/2005
		102		Jan 21/2005				2	Jan 21/2005
		103		Jan 21/2005			103		Jan 21/2005
36-11-01					36-11-06				
		101		Jan 21/2005			101.1	1	Jan 21/2005
		102		Jan 21/2005				2	Jan 21/2005
36-11-02							102.1	1	Jan 21/2005
		101		Jan 21/2005				2	Jan 21/2005
36-11-03							103		Jan 21/2005
		101		Jan 21/2005	36-11-07				
		102		Jan 21/2005			101	1	Jan 21/2005
36-11-04								2	Jan 21/2005
		101	1	Jan 21/2005			101.1	1	Feb 06/2009

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

36-EFFECTIVE PAGES

Page 1
Aug 05/2009

D280T232

BOEING PROPRIETARY - Copyright © Unpublished Work - See title page for details

CHAPTER 36
PNEUMATIC

CH-SC-SU	Schem	Page	Sheet	Date	CH-SC-SU	Schem	Page	Sheet	Date
36-11-07 (cont.)		101.1			36-11-08 (cont.)		101.1		
			2	Feb 06/2009				2	Jan 21/2005
		102.1	1	Feb 06/2009			102.1	1	Jan 21/2005
			2	Feb 06/2009				2	Jan 21/2005
		103.1	1	Jan 21/2005			103.1	1	Jan 21/2005
			2	Jan 21/2005				2	Jan 21/2005
		103.2	1	Feb 06/2009			104	1	Jan 21/2005
			2	Feb 06/2009				2	Jan 21/2005
		104	1	Jan 21/2005			105	1	Jan 21/2005
			2	Jan 21/2005				2	Jan 21/2005
		104.1	1	Feb 06/2009			105.1	1	Jan 21/2005
			2	Feb 06/2009				2	Jan 21/2005
		105	1	Jan 21/2005			106	1	Jan 21/2005
			2	Jan 21/2005				2	Jan 21/2005
		105.1	1	Feb 06/2009			106.1	1	Jan 21/2005
			2	Feb 06/2009				2	Jan 21/2005
		106	1	Jan 21/2005	36-11-09				
			2	Jan 21/2005			101		Jan 21/2005
		106.1	1	Feb 06/2009			102		Jan 21/2005
			2	Feb 06/2009	36-21-01				
36-11-08							101		Jan 21/2005
		101	1	Jan 21/2005			101.1		Jan 21/2005
			2	Jan 21/2005			102		Jun 06/2008
		101.1	1	Jan 21/2005			103		Jun 06/2008

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

36-EFFECTIVE PAGES

Page 2
Aug 05/2009

D280T232

BOEING PROPRIETARY - Copyright © Unpublished Work - See title page for details

CHAPTER 36
PNEUMATIC

CH-SC-SU	Schem	Page	Sheet	Date	CH-SC-SU	Schem	Page	Sheet	Date
36-21-01 (cont.)									
		104		Jun 06/2008					
36-22-01									
		101		Jan 21/2005					
		102		Jan 21/2005					
36-22-02									
		101		Jan 21/2005					
36-23-01									
		101		Jan 21/2005					
		101.1	1	Jan 21/2005					
			2	Jan 21/2005					
		102	1	Jan 21/2005					
			2	Jan 21/2005					
		103	1	Jan 21/2005					
			2	Jan 21/2005					

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

36-EFFECTIVE PAGES

Page 3
Aug 05/2009

D280T232

CHAPTER 36
PNEUMATIC

Title	CH-SC-SU	Schem	Page	Sheet	Date	Effectivity
<u>PNEUMATIC</u>						
PNEUMATICS- SIMPLIFIED	36-00-00		101		Jan 21/2005	050-099 150-155 162-165 277-299
			102		Jan 21/2005	156-157 166-199
			103		Jan 21/2005	275-276
<u>AIR SUPPLY DISTRIBUTION SYSTEM</u>						
ISOLATION VALVE CONTROL- LEFT	36-11-01		101		Jan 21/2005	050-099
			102		Jan 21/2005	150-199 275-299
ISOLATION VALVE CONTROL- RIGHT	36-11-02		101		Jan 21/2005	ALL
ISOLATION VALVE CONTROL- CENTER	36-11-03		101		Jan 21/2005	050-099
			102		Jan 21/2005	150-199 275-299
AUXILIARY POWER UNIT VALVE-CONTROL	36-11-04		101	1	Jan 21/2005	050-099
				2	Jan 21/2005	050-099
			101.1	1	Jan 21/2005	050-051
				2	Jan 21/2005	050-051
			102	1	Jan 21/2005	150-157 163-199 275-278
				2	Jan 21/2005	150-157 163-199 275-278
			103	1	Jan 21/2005	162
				2	Jan 21/2005	162
PRESSURE REGULATION AND SHUTOFF VALVE- LEFT	36-11-05		101.1	1	Jan 21/2005	050-051 155-156 162-166
				2	Jan 21/2005	050-051 155-156 162-166
			102.1	1	Jan 21/2005	150-154
				2	Jan 21/2005	150-154

CHAPTER 36
PNEUMATIC

Title	CH-SC-SU	Schem	Page	Sheet	Date	Effectivity
PRESSURE REGULATION AND SHUTOFF VALVE- LEFT (cont.)	36-11-05		103		Jan 21/2005	157 167-199 275-299
PRESSURE REGULATION AND SHUTOFF VALVE- RIGHT	36-11-06		101.1	1	Jan 21/2005	050-051 155-156 162-166
				2	Jan 21/2005	050-051 155-156 162-166
			102.1	1	Jan 21/2005	150-154
				2	Jan 21/2005	150-154
			103		Jan 21/2005	157 167-199 275-299
ENGINE HIGH PRESSURE CONTROL- LEFT	36-11-07		101	1	Jan 21/2005	162
				2	Jan 21/2005	162
			101.1	1	Feb 06/2009	050-051 155 162-165
				2	Feb 06/2009	050-051 155 162-165
			102.1	1	Feb 06/2009	150-154
				2	Feb 06/2009	150-154
			103.1	1	Jan 21/2005	156 166
				2	Jan 21/2005	156 166
			103.2	1	Feb 06/2009	156 166
				2	Feb 06/2009	156 166
			104	1	Jan 21/2005	157 167-199 277-299
				2	Jan 21/2005	157 167-199 277-299
			104.1	1	Feb 06/2009	157 167 277-280
				2	Feb 06/2009	157 167 277-280
			105	1	Jan 21/2005	275

CHAPTER 36
PNEUMATIC

Title	CH-SC-SU	Schem	Page	Sheet	Date	Effectivity
ENGINE HIGH PRESSURE CONTROL- LEFT (cont.)	36-11-07			2	Jan 21/2005	275
			105.1	1	Feb 06/2009	275
				2	Feb 06/2009	275
			106	1	Jan 21/2005	276
				2	Jan 21/2005	276
			106.1	1	Feb 06/2009	276
				2	Feb 06/2009	276
ENGINE HIGH PRESSURE CONTROL- RIGHT	36-11-08		101	1	Jan 21/2005	162
				2	Jan 21/2005	162
			101.1	1	Jan 21/2005	050-051 155 162-165
				2	Jan 21/2005	050-051 155 162-165
			102.1	1	Jan 21/2005	150-154
				2	Jan 21/2005	150-154
			103.1	1	Jan 21/2005	156 166
				2	Jan 21/2005	156 166
			104	1	Jan 21/2005	157 167-199 277-299
				2	Jan 21/2005	157 167-199 277-299
			105	1	Jan 21/2005	275
				2	Jan 21/2005	275
			105.1	1	Jan 21/2005	275
				2	Jan 21/2005	275
			106	1	Jan 21/2005	276
				2	Jan 21/2005	276

36-CONTENTS

Page 3
Feb 06/2009

D280T232

BOEING PROPRIETARY - Copyright © Unpublished Work - See title page for details

CHAPTER 36
PNEUMATIC

Title	CH-SC-SU	Schem	Page	Sheet	Date	Effectivity
ENGINE HIGH PRESSURE CONTROL- RIGHT (cont.)	36-11-08		106.1	1	Jan 21/2005	276
				2	Jan 21/2005	276
FAN AIR VALVE CONTROL	36-11-09		101		Jan 21/2005	050-099
			102		Jan 21/2005	150-199 275-299
<u>AIR SUPPLY PRESSURE INDICATING SYSTEM</u>						
DUCT PRESSURE INDICATION	36-21-01		101		Jan 21/2005	050-099
			101.1		Jan 21/2005	050-051
			102		Jun 06/2008	150-155 162-165
			103		Jun 06/2008	156-157 166-199 280-299
			104		Jun 06/2008	275-278
<u>AIR SUPPLY TEMPERATURE INDICATING SYSTEM</u>						
AIR SUPPLY OVERHEAT INDICATION	36-22-01		101		Jan 21/2005	050-099 150-199 280-299
			102		Jan 21/2005	275-278
AIR SUPPLY PRECOOLER TEMPERATURE INDICATION	36-22-02		101		Jan 21/2005	ALL
<u>AIR SUPPLY BITE SYSTEM</u>						
AIR SUPPLY BITE	36-23-01		101		Jan 21/2005	050-099 150-155 163-165 275-276
			101.1	1	Jan 21/2005	050-155 163-165 275-276
				2	Jan 21/2005	050-155 163-165 275-276
			102	1	Jan 21/2005	156-157 166-199 277-299
				2	Jan 21/2005	156-157 166-199 277-299
			103	1	Jan 21/2005	162
				2	Jan 21/2005	162

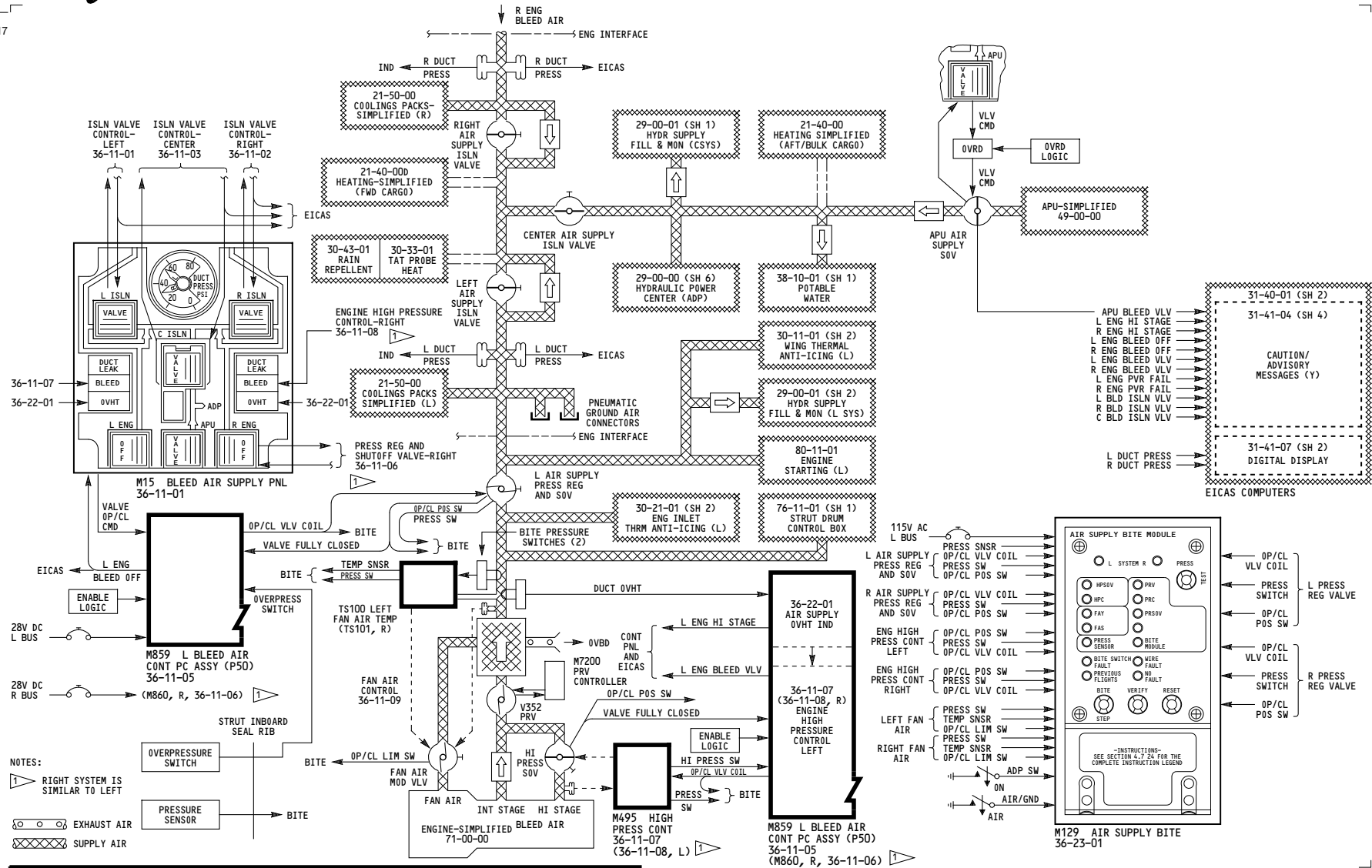
**CHAPTER 36
PNEUMATIC**

CH-SC-SU	Title
36-23-01	AIR SUPPLY BITE
36-22-01	AIR SUPPLY OVERHEAT INDICATION
36-22-02	AIR SUPPLY PRECOOLER TEMPERATURE INDICATION
36-11-04	AUXILIARY POWER UNIT VALVE-CONTROL
36-21-01	DUCT PRESSURE INDICATION
36-11-07	ENGINE HIGH PRESSURE CONTROL- LEFT
36-11-08	ENGINE HIGH PRESSURE CONTROL- RIGHT
36-11-09	FAN AIR VALVE CONTROL
36-11-03	ISOLATION VALVE CONTROL- CENTER
36-11-01	ISOLATION VALVE CONTROL- LEFT
36-11-02	ISOLATION VALVE CONTROL- RIGHT
36-00-00	PNEUMATICS- SIMPLIFIED
36-11-05	PRESSURE REGULATION AND SHUTOFF VALVE- LEFT
36-11-06	PRESSURE REGULATION AND SHUTOFF VALVE- RIGHT

CH-SC-SU	Title

36-ALPHABETICAL INDEXPage 1
Jun 28/2006

D280T232



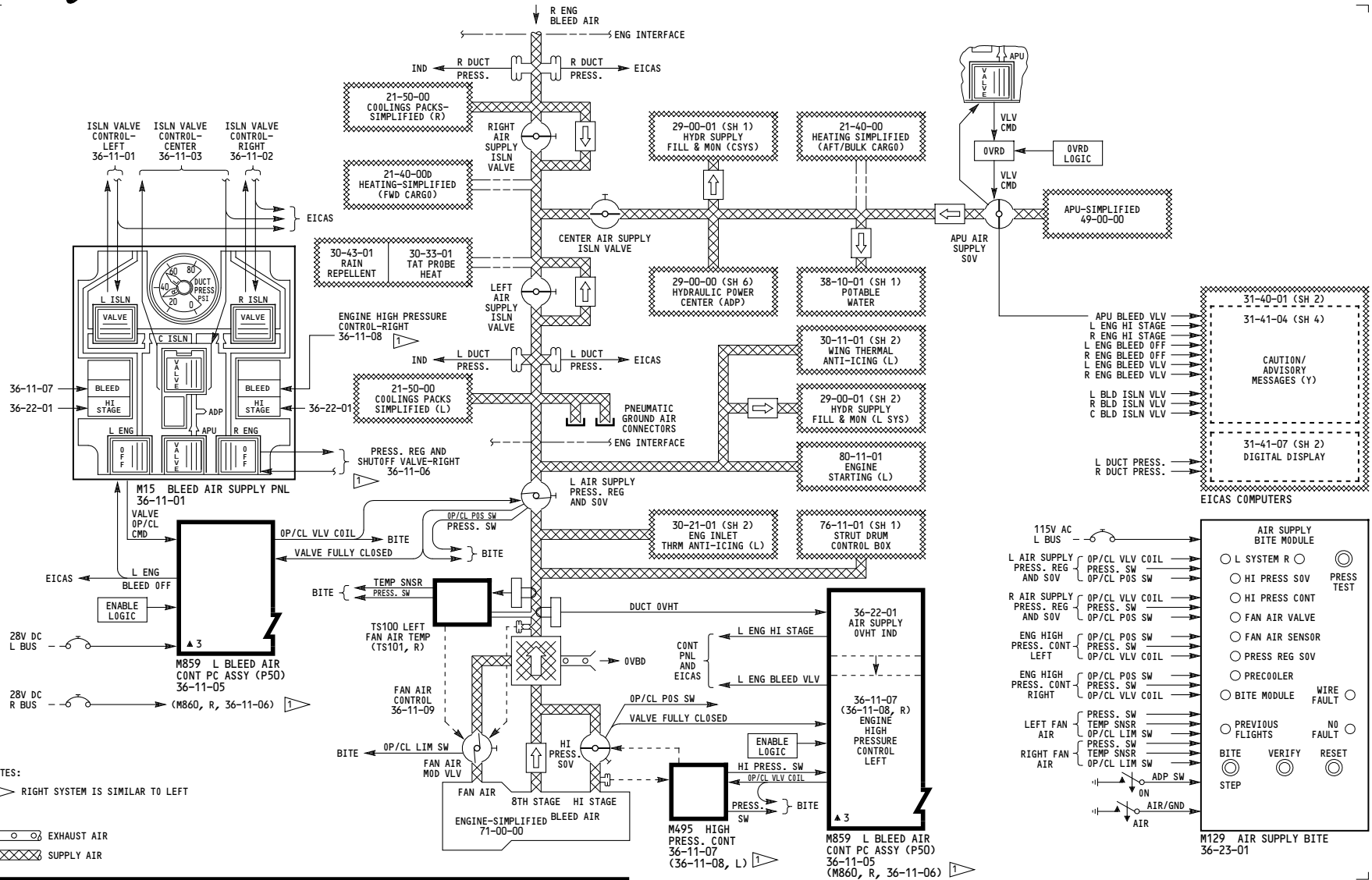
050-099, 150-155, 162-165, 277-299

PNEUMATICS-SIMPLIFIED

D280T232

36-00-00

610



156-157, 166-199

PNEUMATICS-SIMPLIFIED

D280T232

36-00-00

Page 102

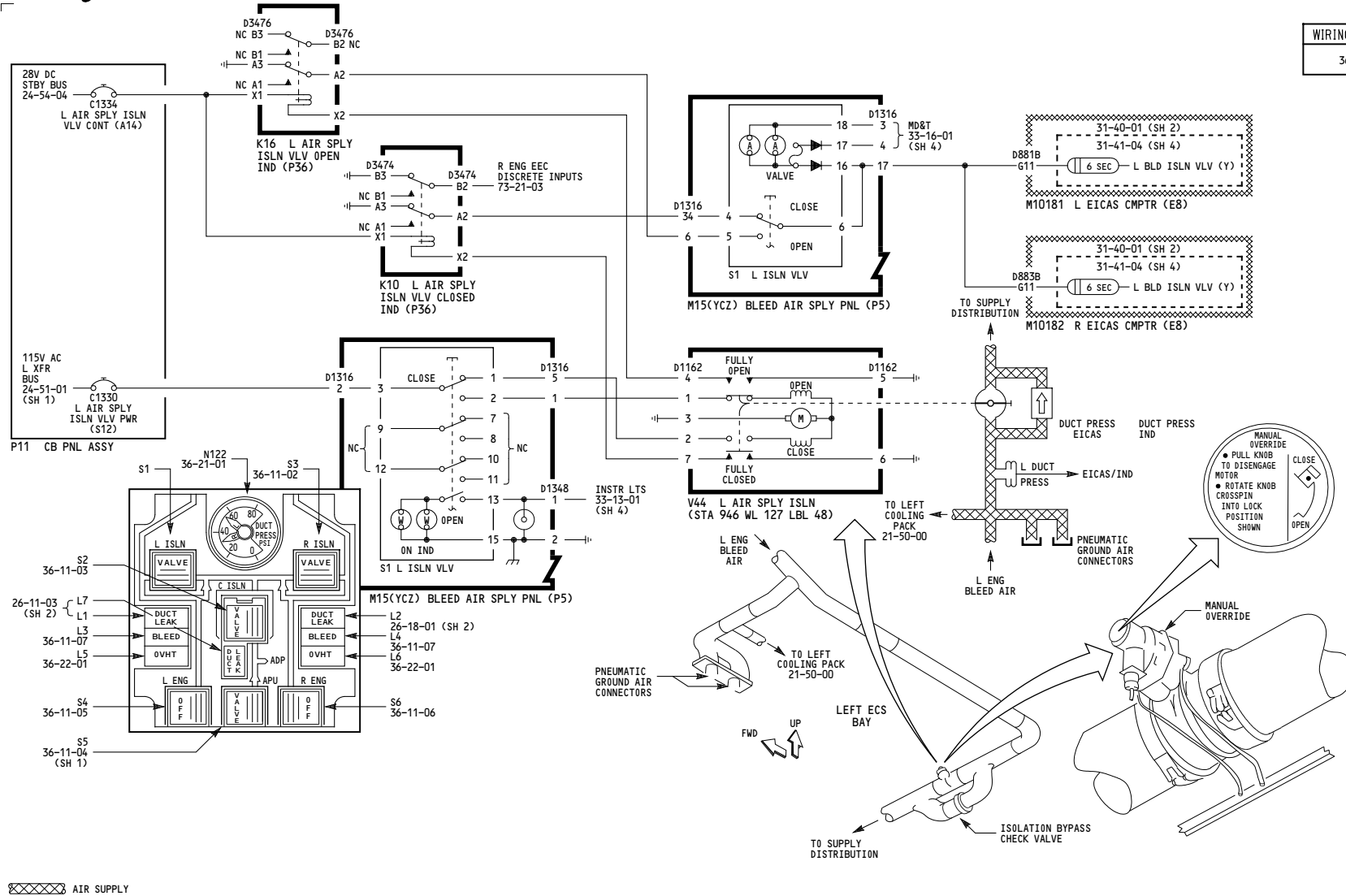
Jan 21/2005



PNEUMATICS- SIMPLIFIED

D280T232

-C
612



XXXXX AIR SUPPLY

050-099

ISOLATION VALVE CONTROL-LEFT

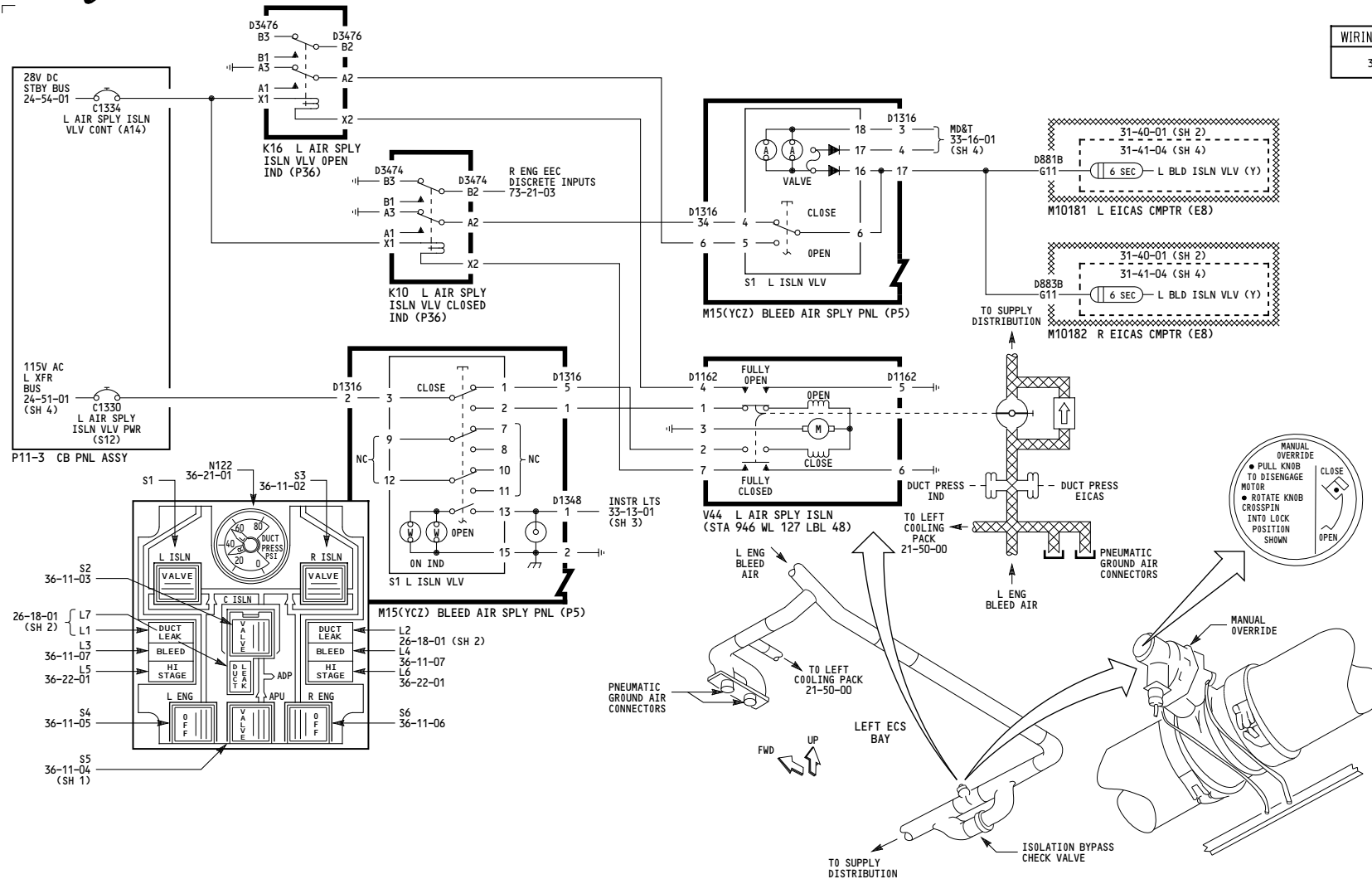
D280T232

36-11-01

Page 101

Jan 21/2005

608



XXXXX AIR SUPPLY

150-199, 275-299

ISOLATION VALVE CONTROL-LEFT

D280T232

36-11-01

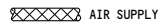
Page 102

Jan 21/2005



WIRING DIAGRAMS

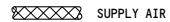
36-11-21

ISOLATION VALVE CONTROL-
RIGHT

36-11-02

Page 101

Jan 21/2005



050-099

ISOLATION VALVE CONTROL CENTER

D280T232

36-11-03

Page 101

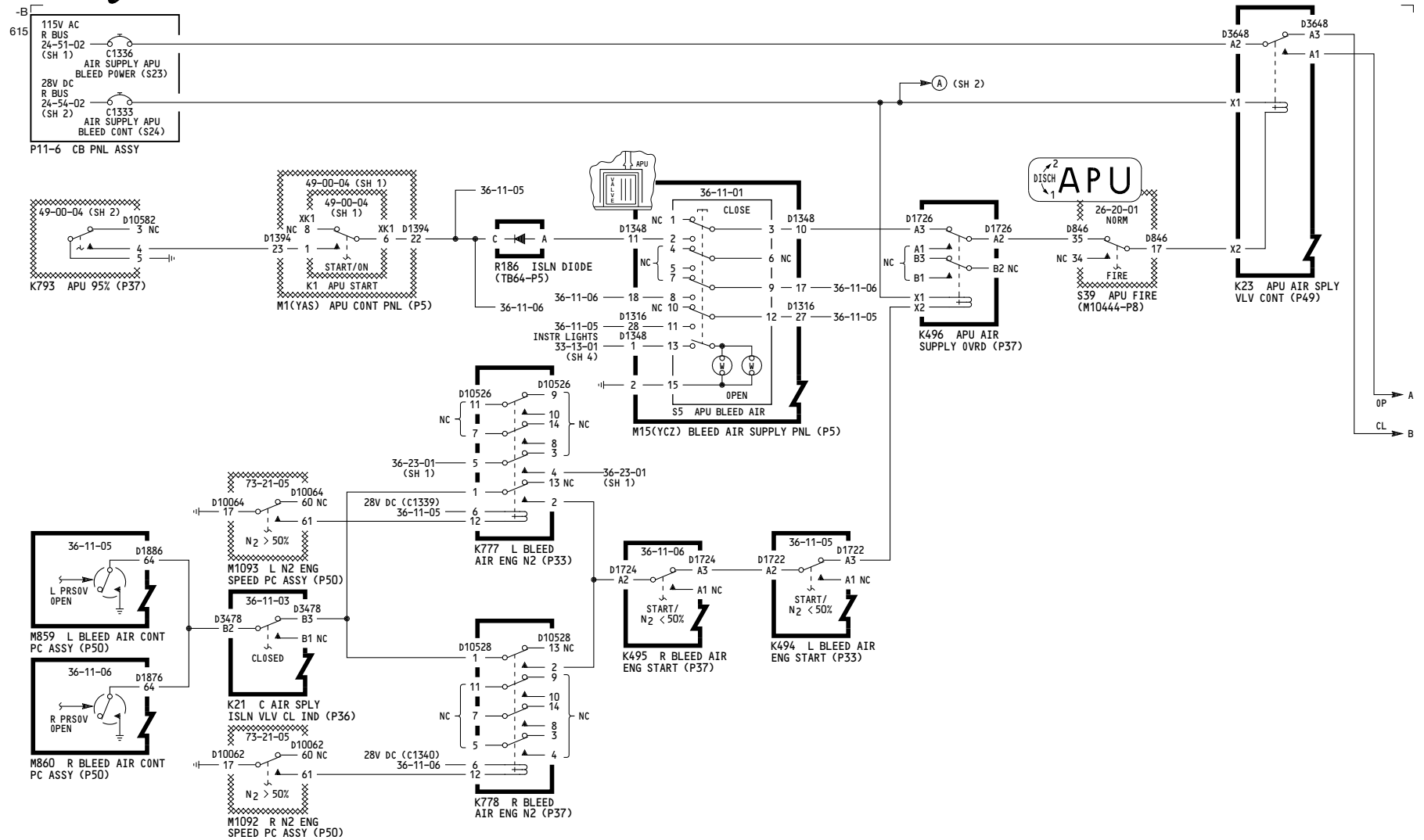
Jan 21/2005



ISOLATION VALVE CONTROL-CENTER

36-11-03

THIS PAGE INTENTIONALLY LEFT BLANK



050-099

AUXILIARY POWER UNIT VALVE-CONTROL

D280T232

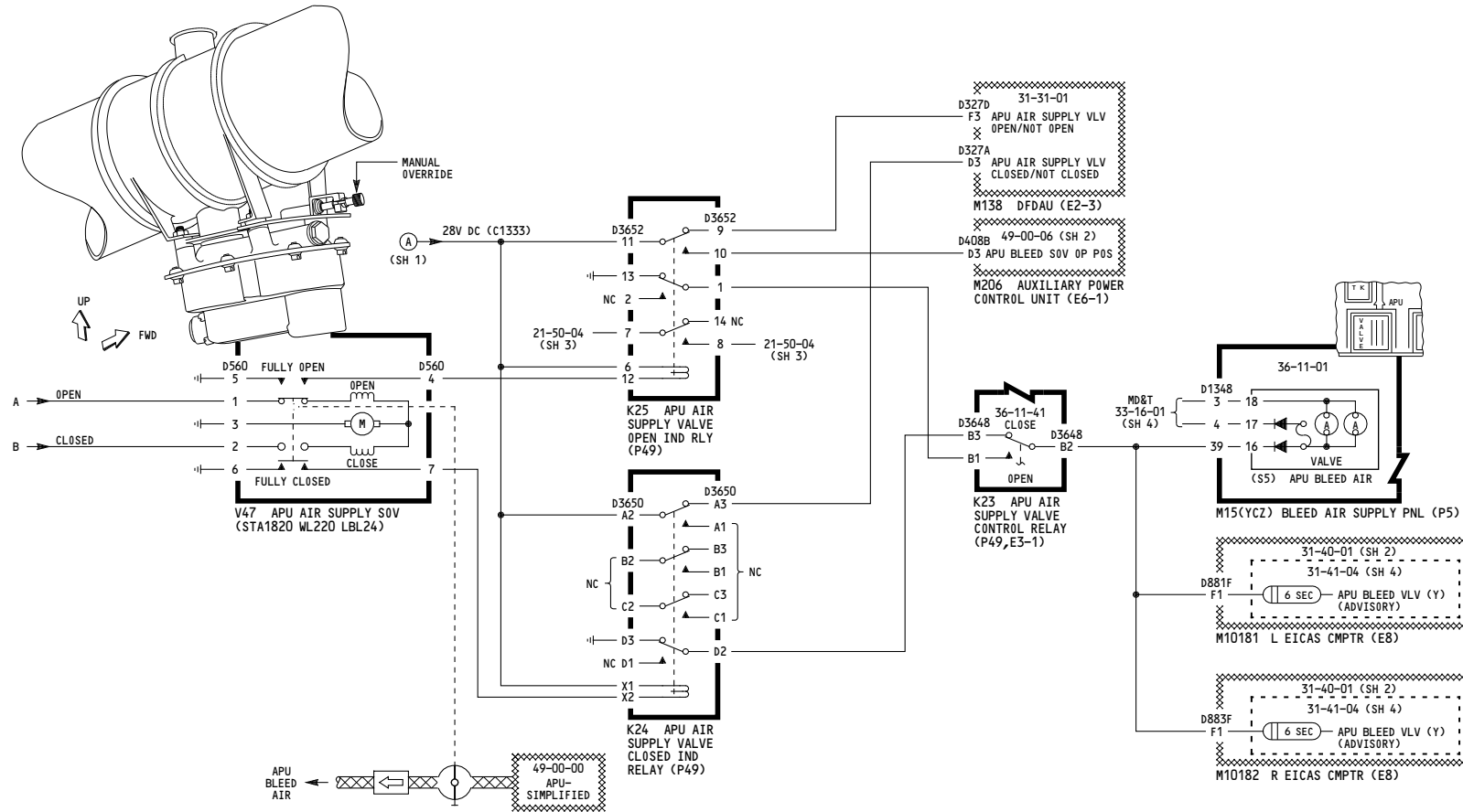
36-11-04

Page 101
Sheet 1
Jan 21/2005

-A
613

WIRING DIAGRAMS

36-11-41
36-11-51
36-11-52



XXXXX AIR SUPPLY

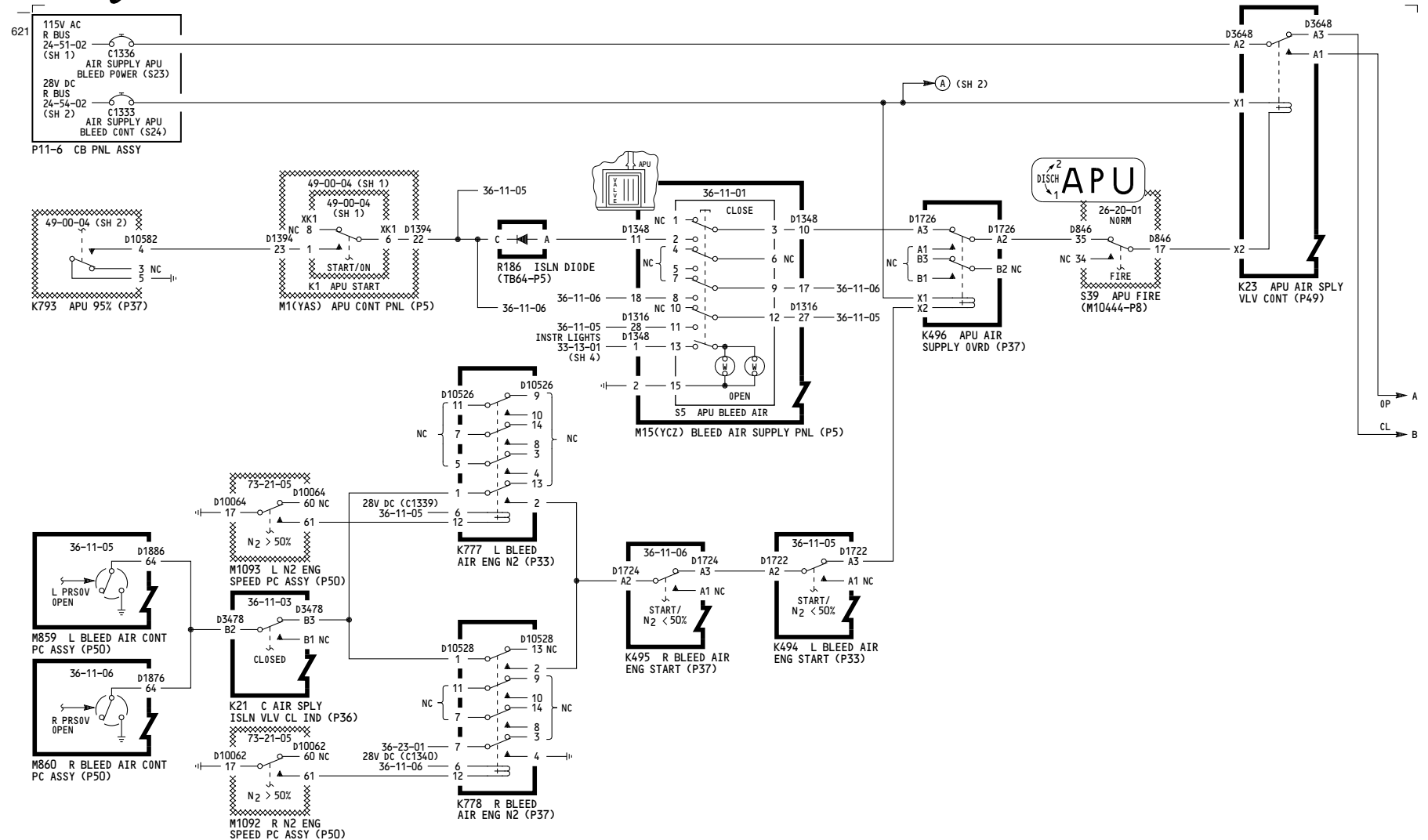
050-099

**AUXILIARY POWER UNIT
VALVE-CONTROL**

D280T232

36-11-04

Page 101
Sheet 2
Jan 21/2005



050-051

AUXILIARY POWER UNIT VALVE-CONTROL

Incorporates
▶ 36-0029 R05

D280T232

36-11-04

Page 101.1
Sheet 1
Jan 21/2005



WIRING DIAGRAMS

The diagram illustrates the APU Bleed Air Control System. It shows the APU bleed air source, control valves (V47, V49), solenoid valves (D3652, D3650), and relays (K25, K24). The system includes a manual override and a simplified APU bleed air source. The diagram is labeled with various components and their connections, including a 28V DC source and a 6-second timer.

Components and Connections:

- APU Bleed Air Source:** 49-00-00 (SIMPLIFIED)
- Control Valves:**
 - V47 APU AIR SUPPLY SOV (STA1820 WL220 LBL24)
 - V49 APU AIR SUPPLY SOV (P49)
- Solenoid Valves:**
 - D3652 APU AIR SUPPLY VALVE OPEN IND RLY (P49)
 - D3650 APU AIR SUPPLY VALVE CLOSED IND RLY (P49)
- Relays:**
 - K25 APU AIR SUPPLY VALVE OPEN IND RLY (P49)
 - K24 APU AIR SUPPLY VALVE CLOSED IND RLY (P49)
- Manual Override:** 28V DC (C1333) (SH 1)
- Timer:** 6 SEC (APU BLEED VLV (Y) (ADVISORY))

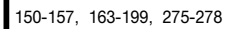
Wiring and Connections:

- The APU bleed air source is connected to the APU bleed air valve (V49) and the APU bleed air supply panel (M15(YC2)).
- The APU bleed air valve (V49) is controlled by the APU bleed air supply panel (M15(YC2)) and the APU bleed air valve (V47).
- The APU bleed air valve (V47) is controlled by the APU bleed air supply panel (M15(YC2)) and the APU bleed air valve (V49).
- The APU bleed air valve (V49) is controlled by the APU bleed air supply panel (M15(YC2)) and the APU bleed air valve (V47).
- The APU bleed air valve (V47) is controlled by the APU bleed air supply panel (M15(YC2)) and the APU bleed air valve (V49).

050-051

D280T232

Page 101.1
Sheet 2
Jan 21/2005



D280T232

Page 102
Sheet 1
Jan 21/2005



WIRING DIAGRAMS

[illegible]

150-157, 163-199, 275-278

D280T232

Page 102
Sheet 2
Jan 21/2005



36-11-04

D280T232



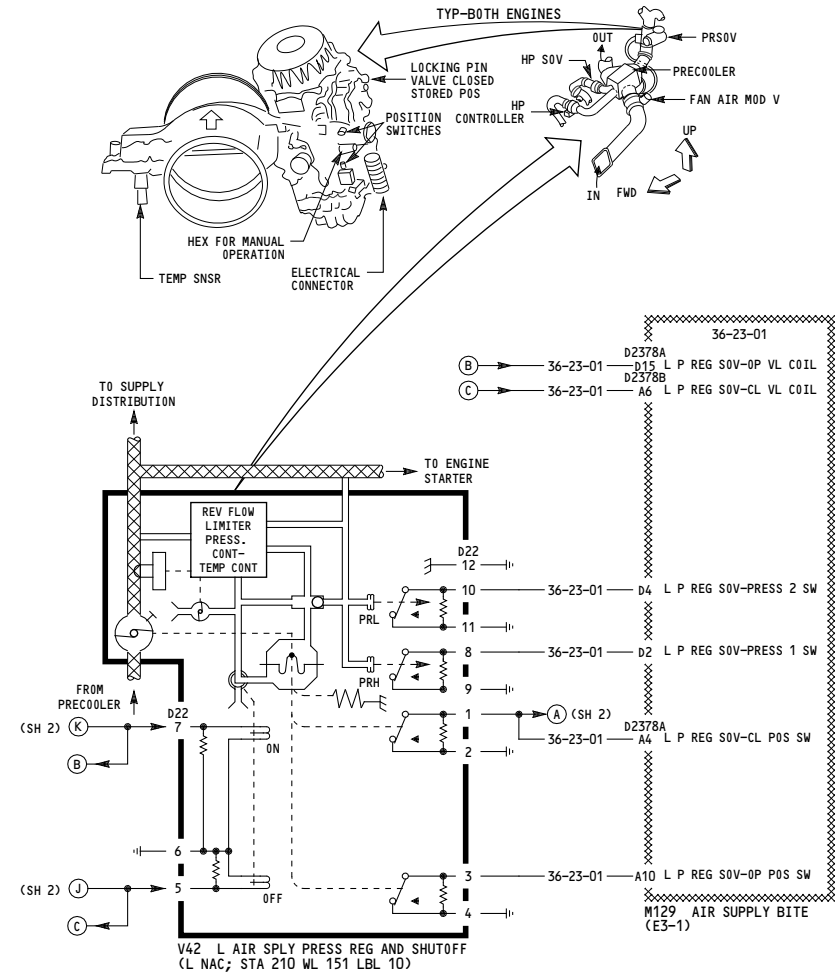
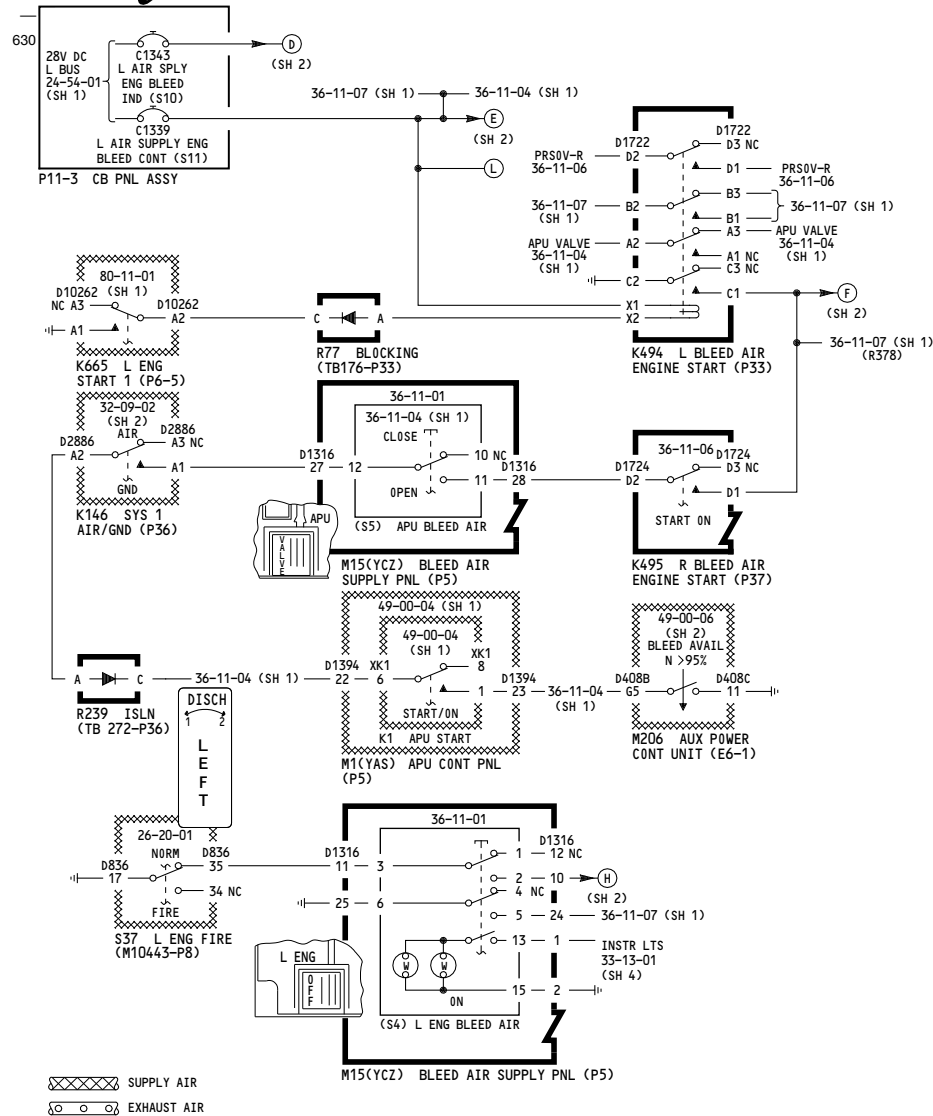
WIRING DIAGRAMS

162

D280T232

Page 103
Sheet 2
Jan 21/2005

WIRING DIAGRAMS
36-11-41
36-11-51



050-051, 155-156, 162-166

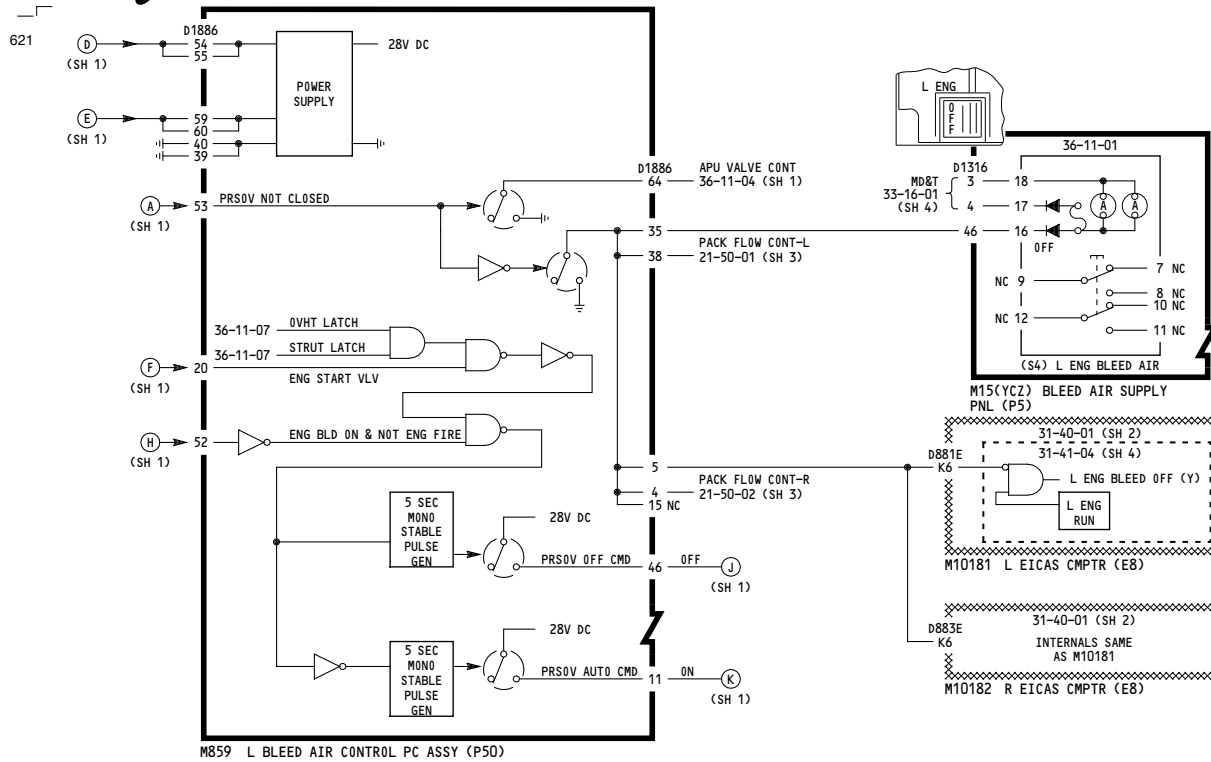
PRESSURE REGULATION AND SHUTOFF VALVE-LEFT

Incorporates
36-0026

D280T232

36-11-05

Page 101.1
Sheet 1
Jan 21/2005



050-051, 155-156, 162-166

PRESSURE REGULATION AND SHUTOFF VALVE-LEFT

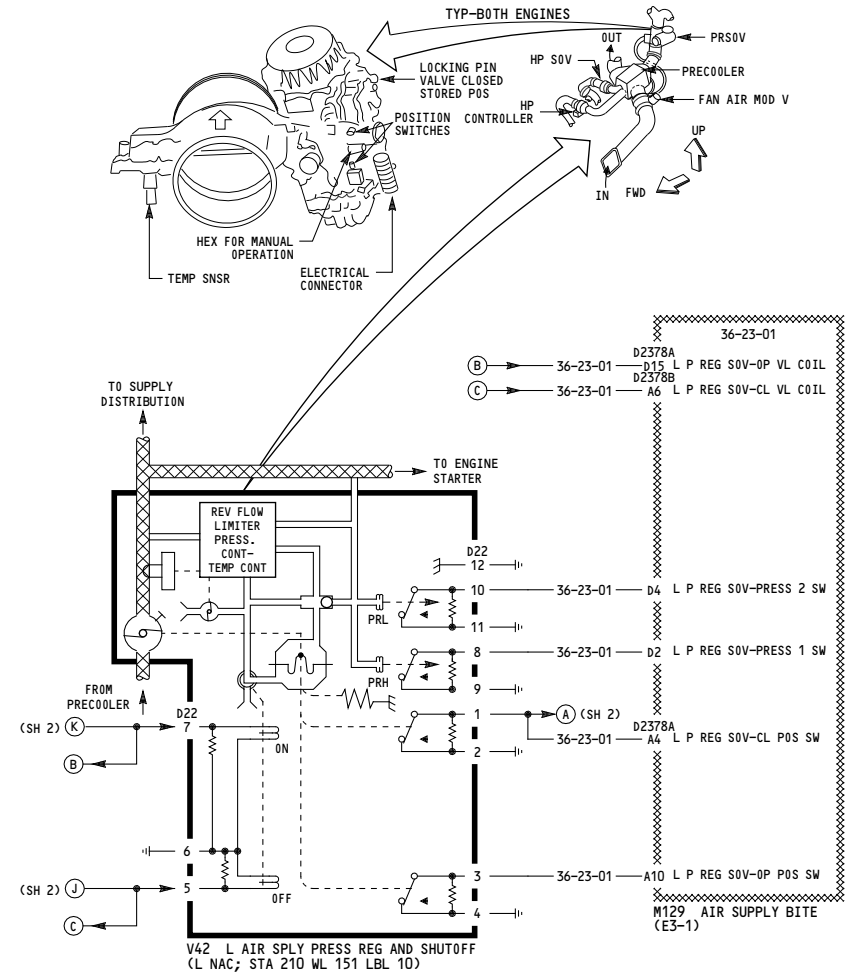
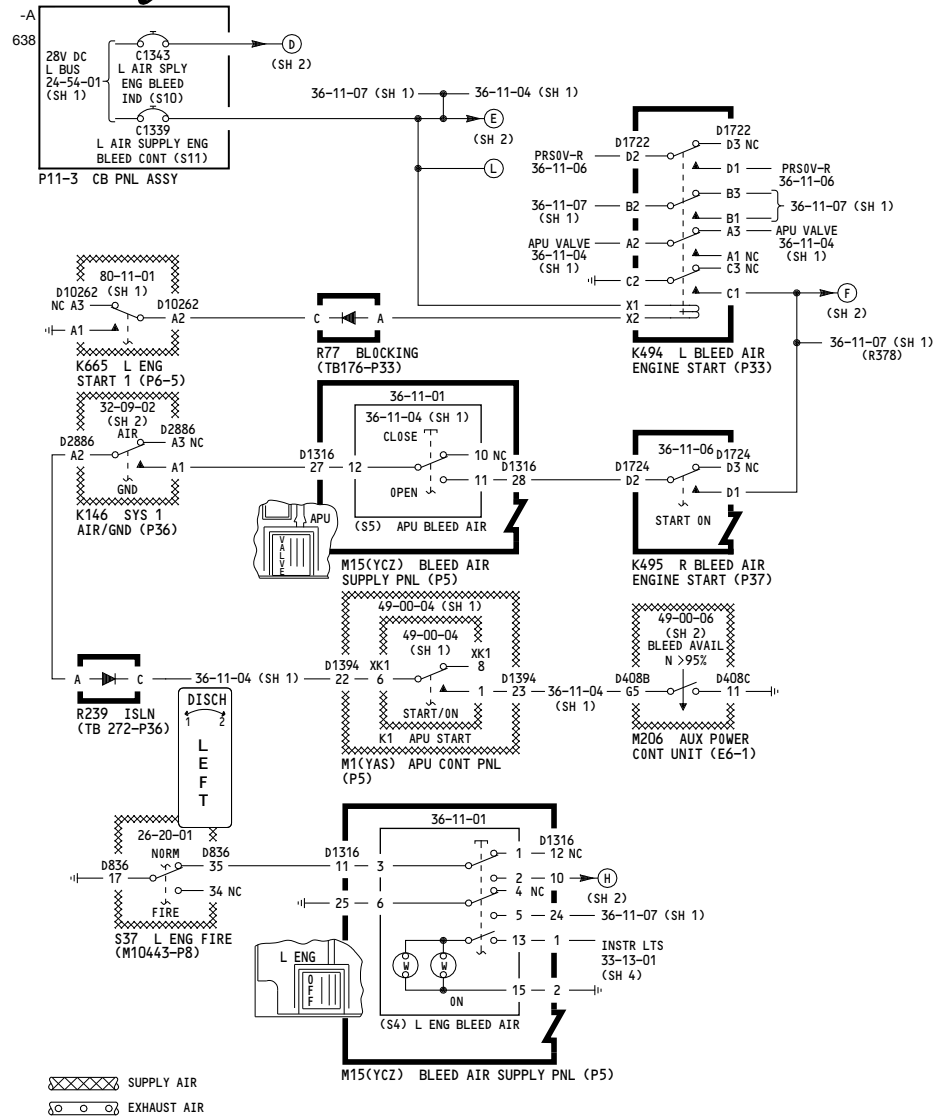
D280T232

Incorporates
36-0026

36-11-05

Page 101.1
Sheet 2
Jan 21/2005

WIRING DIAGRAMS
36-11-41
36-11-51



150-154

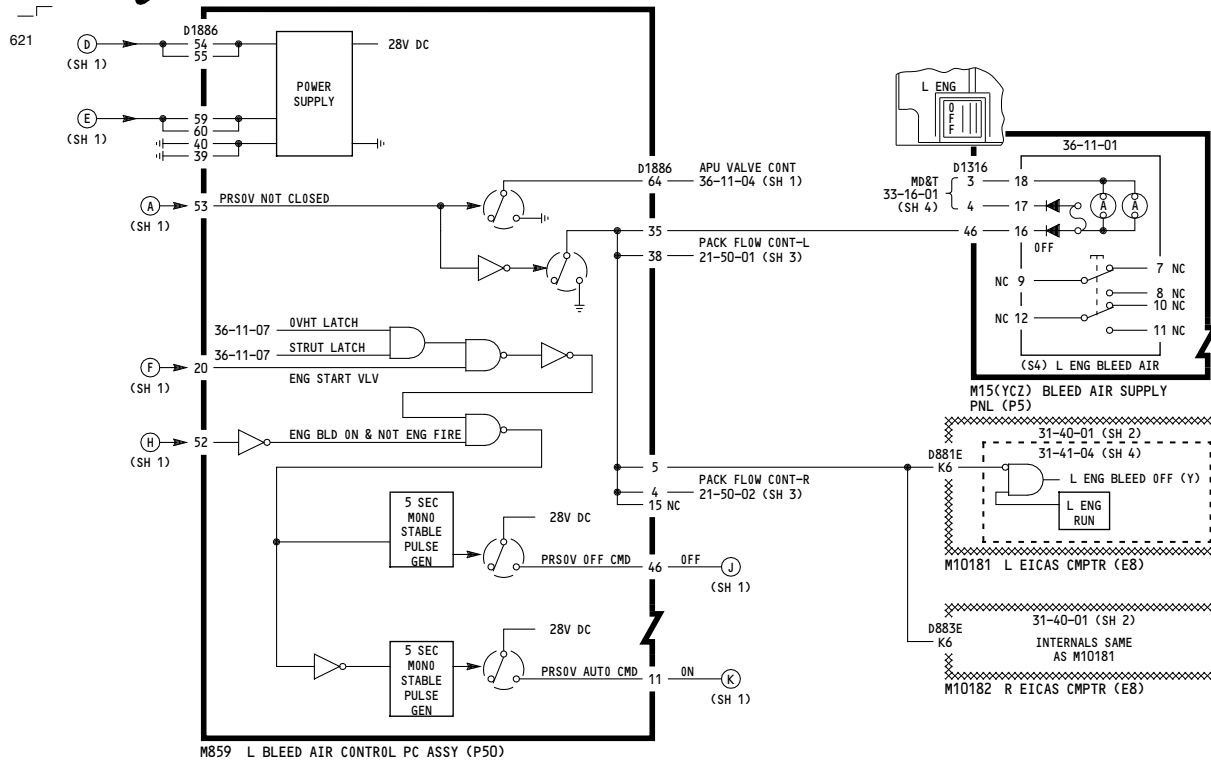
PRESSURE REGULATION AND SHUTOFF VALVE-LEFT

D280T232

Incorporates
36-0026
36-0027

36-11-05

Page 102.1
Sheet 1
Jan 21/2005



150-154

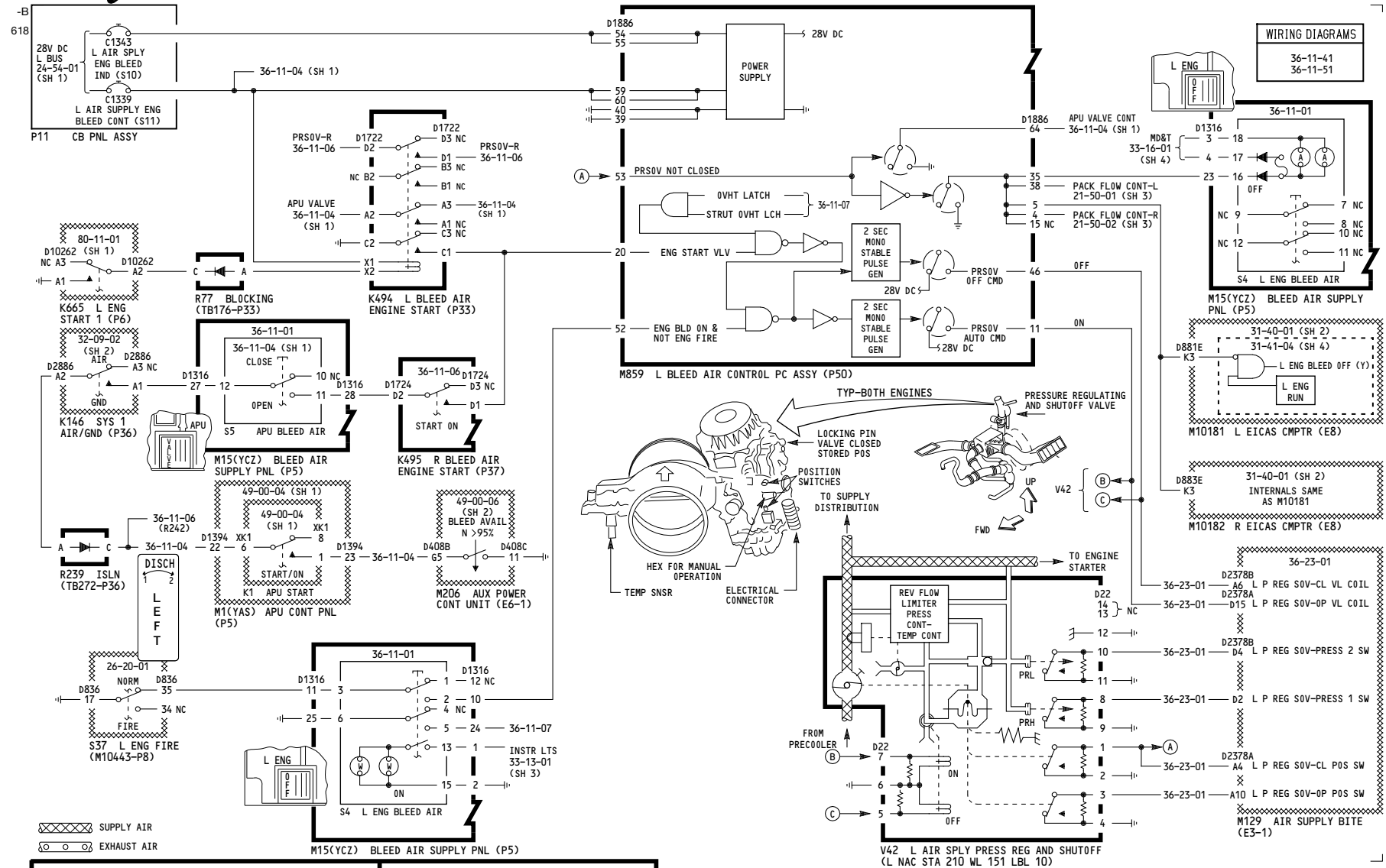
**PRESSURE REGULATION AND
SHUTOFF VALVE-
LEFT**

D280T232

Incorporates
36-0026

36-11-05

Page 102.1
Sheet 2
Jan 21/2005



157, 167-199, 275-299

PRESSURE REGULATION AND SHUTOFF VALVE-LEFT

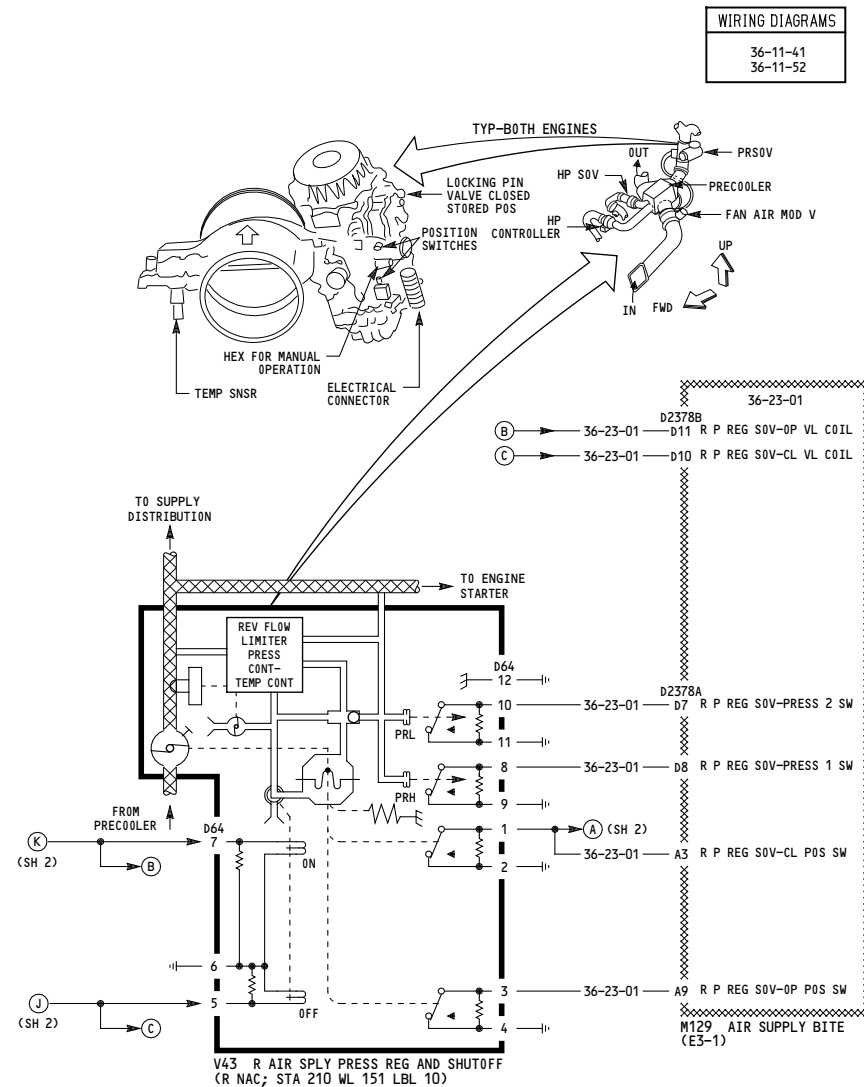
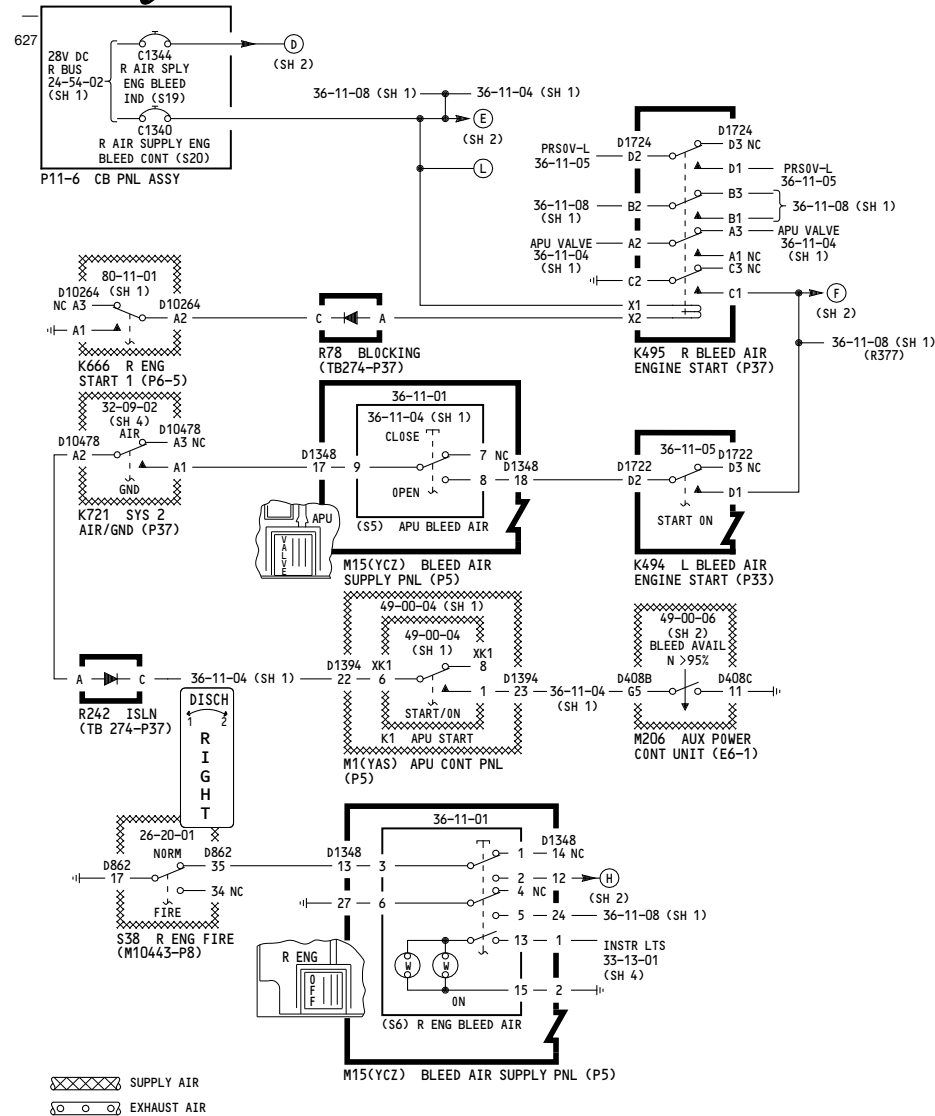
D280T232

36-11-05

Page 103

Jan 21/2005

THIS PAGE INTENTIONALLY LEFT BLANK



050-051, 155-156, 162-166

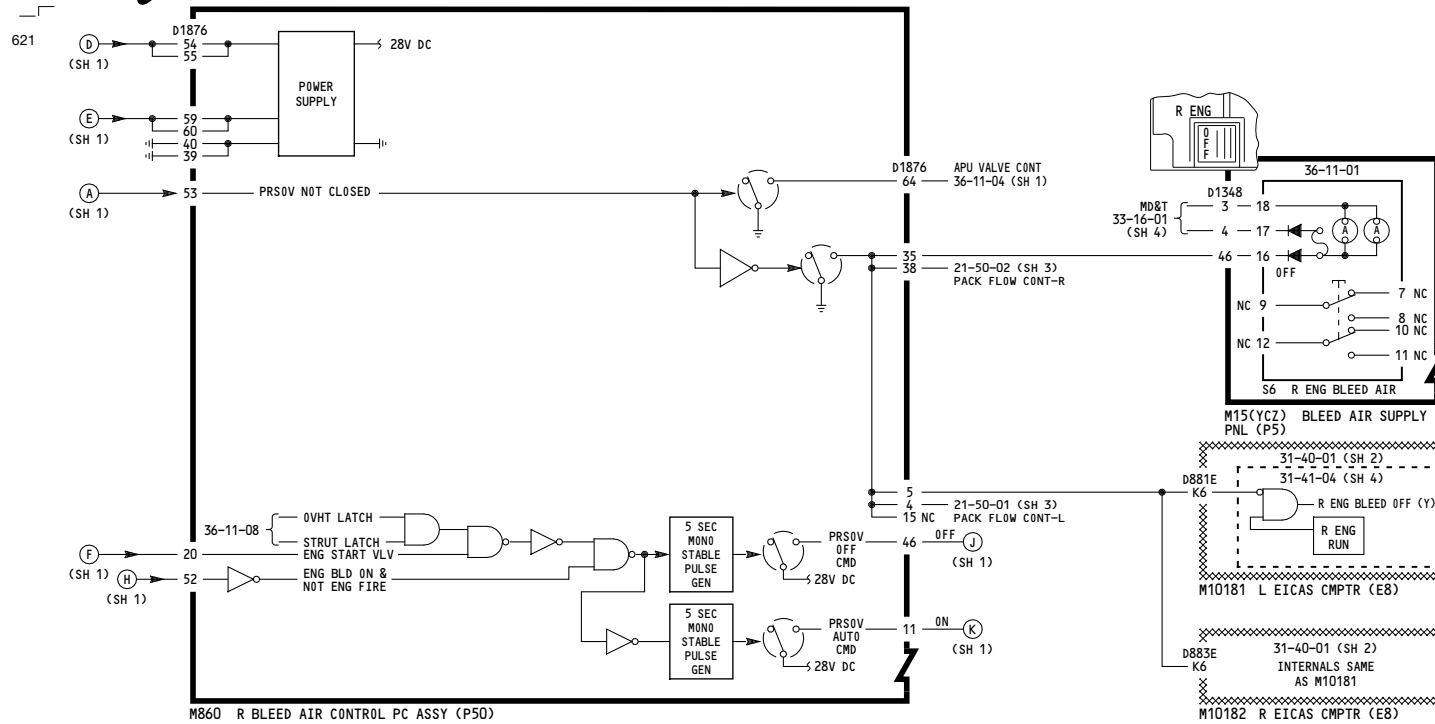
PRESSURE REGULATION AND SHUTOFF VALVE-RIGHT

Incorporates
▶ 36-0026

D280T232

36-11-06

Page 101.1
Sheet 1
Jan 21/2005



WIRING DIAGRAMS

36-11-41
36-11-52

050-051, 155-156, 162-166

PRESSURE REGULATION AND SHUTOFF VALVE-RIGHT

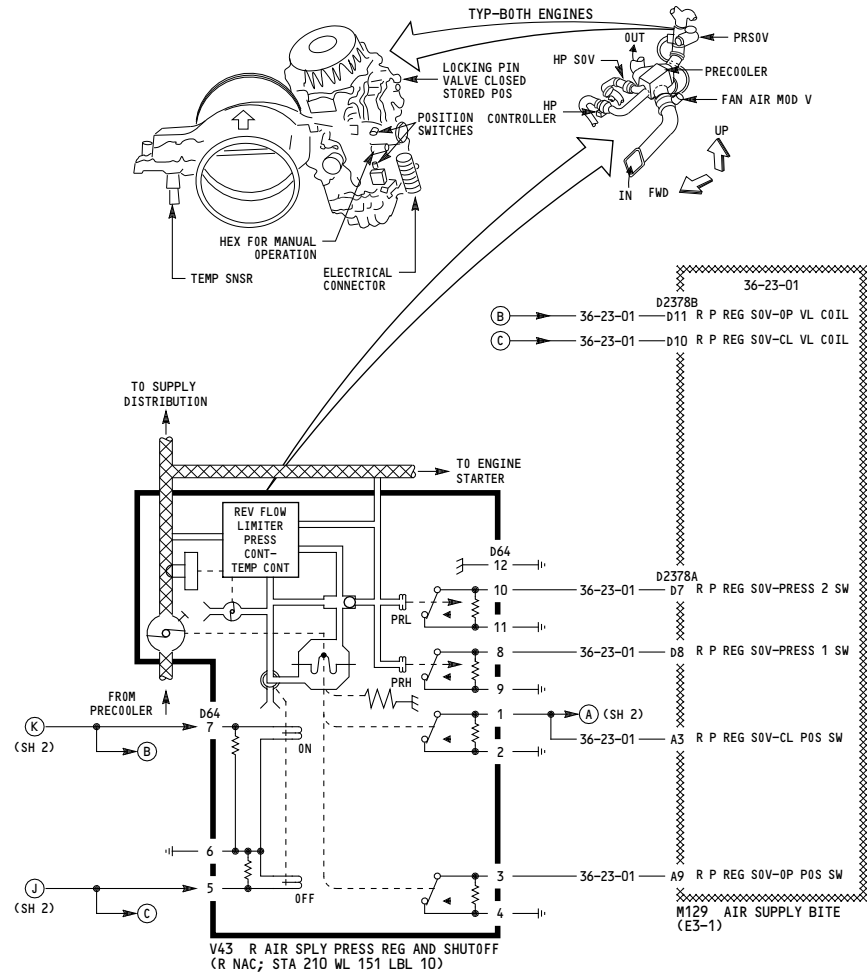
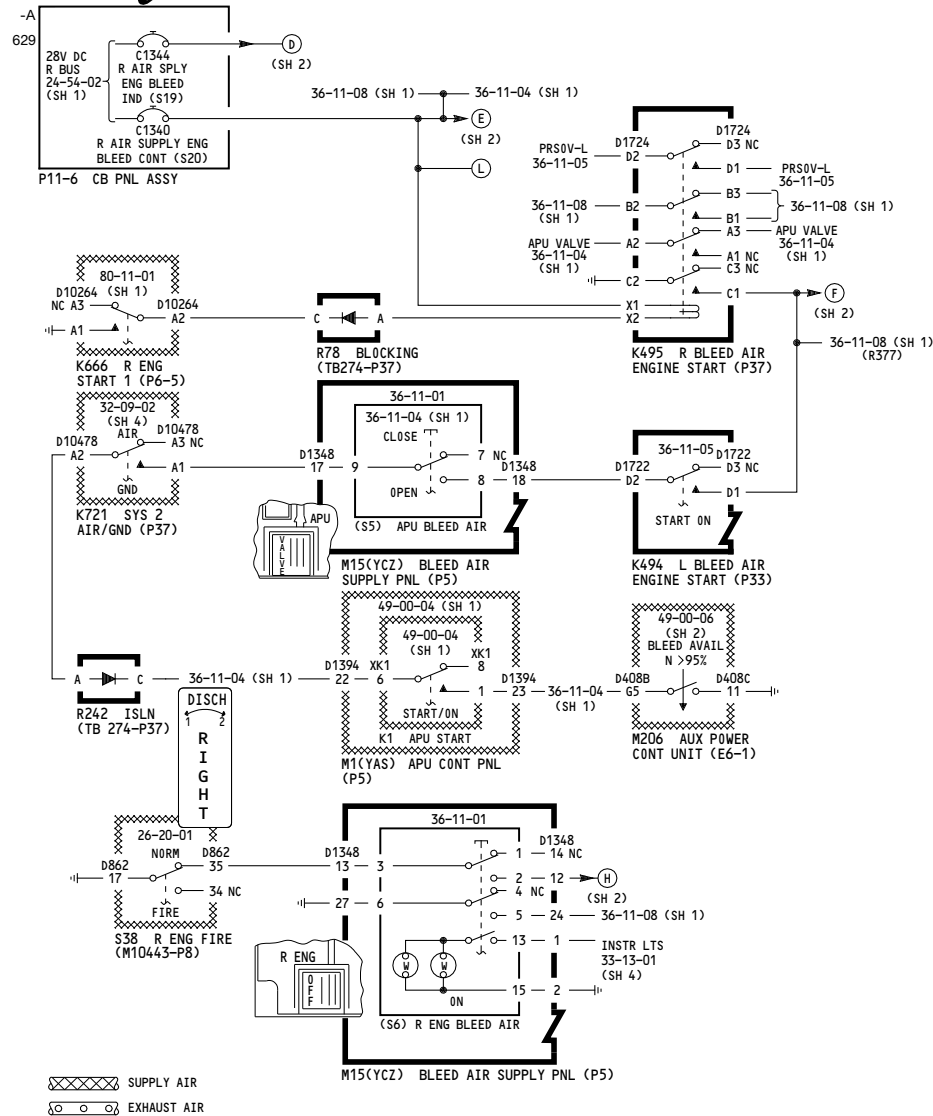
Incorporates
▶ 36-0026

D280T232

36-11-06

Page 101.1
Sheet 2
Jan 21/2005

WIRING DIAGRAMS
36-11-41
36-11-52



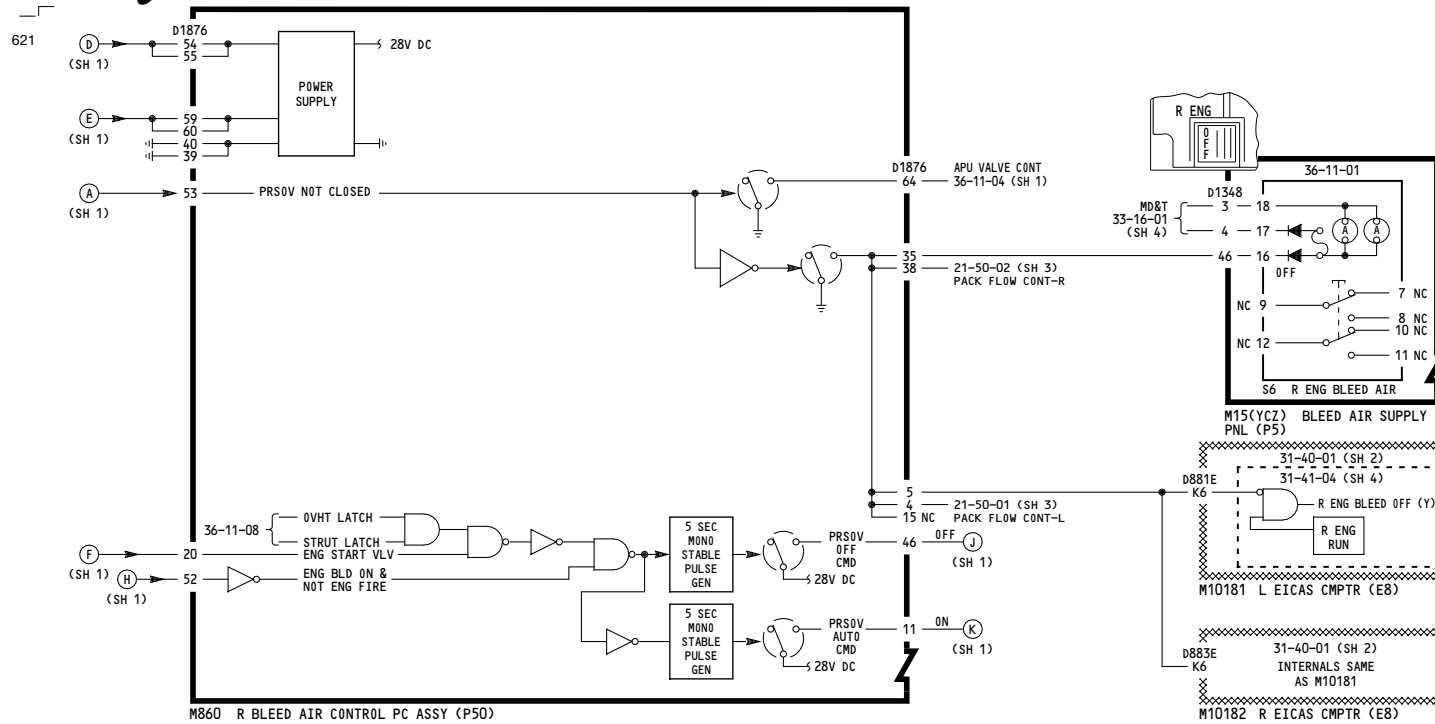
PRESSURE REGULATION AND SHUTOFF VALVE-RIGHT

Incorporates
36-0026
36-0027

36-11-06

Page 102.1
Sheet 1
Jan 21/2005

D280T232



150-154

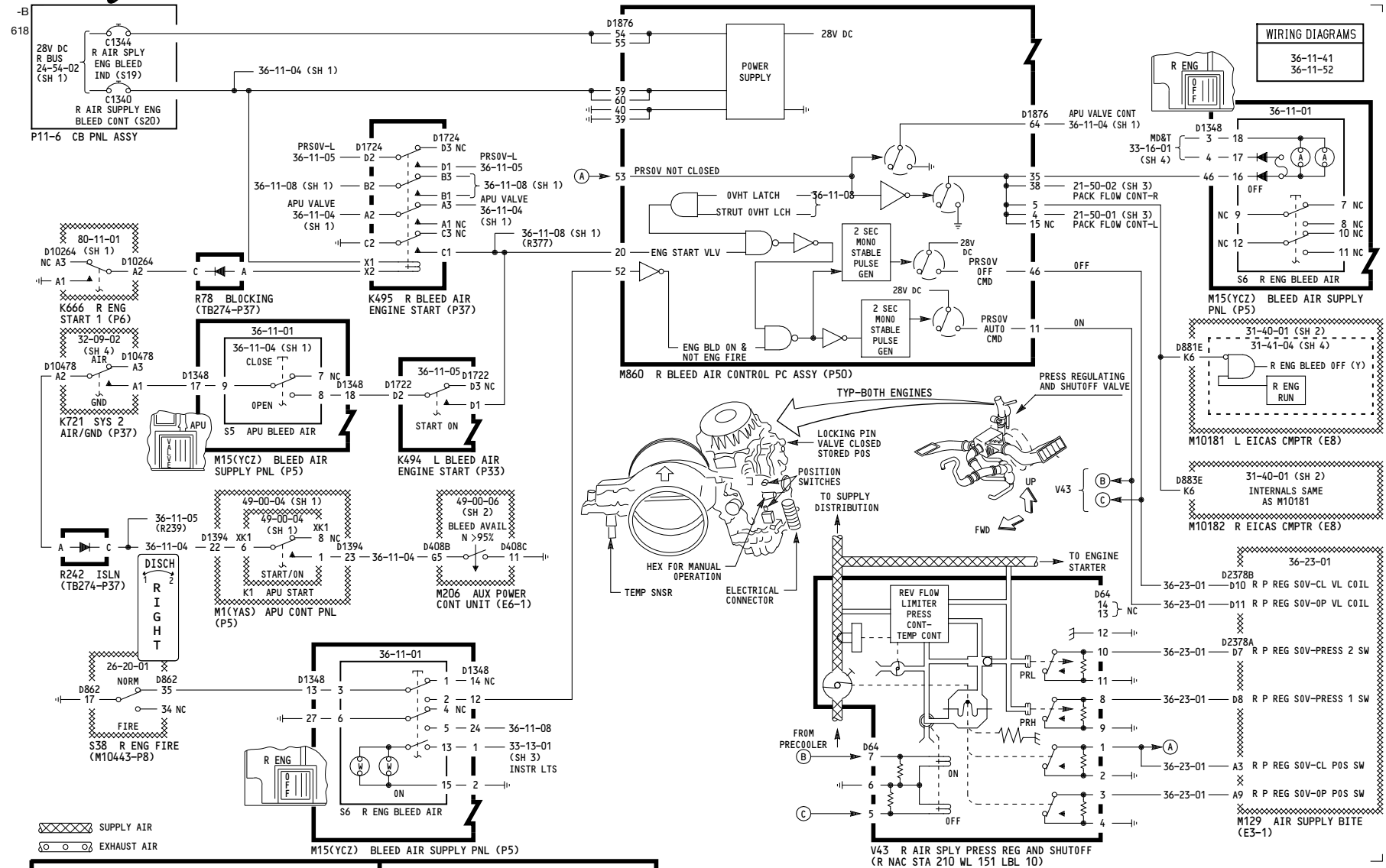
PRESSURE REGULATION AND SHUTOFF VALVE-RIGHT

Incorporates
▶ 36-0026

D280T232

36-11-06

Page 102.1
Sheet 2
Jan 21/2005



157, 167-199, 275-299

PRESSURE REGULATION AND SHUTOFF VALVE- RIGHT

D280T232

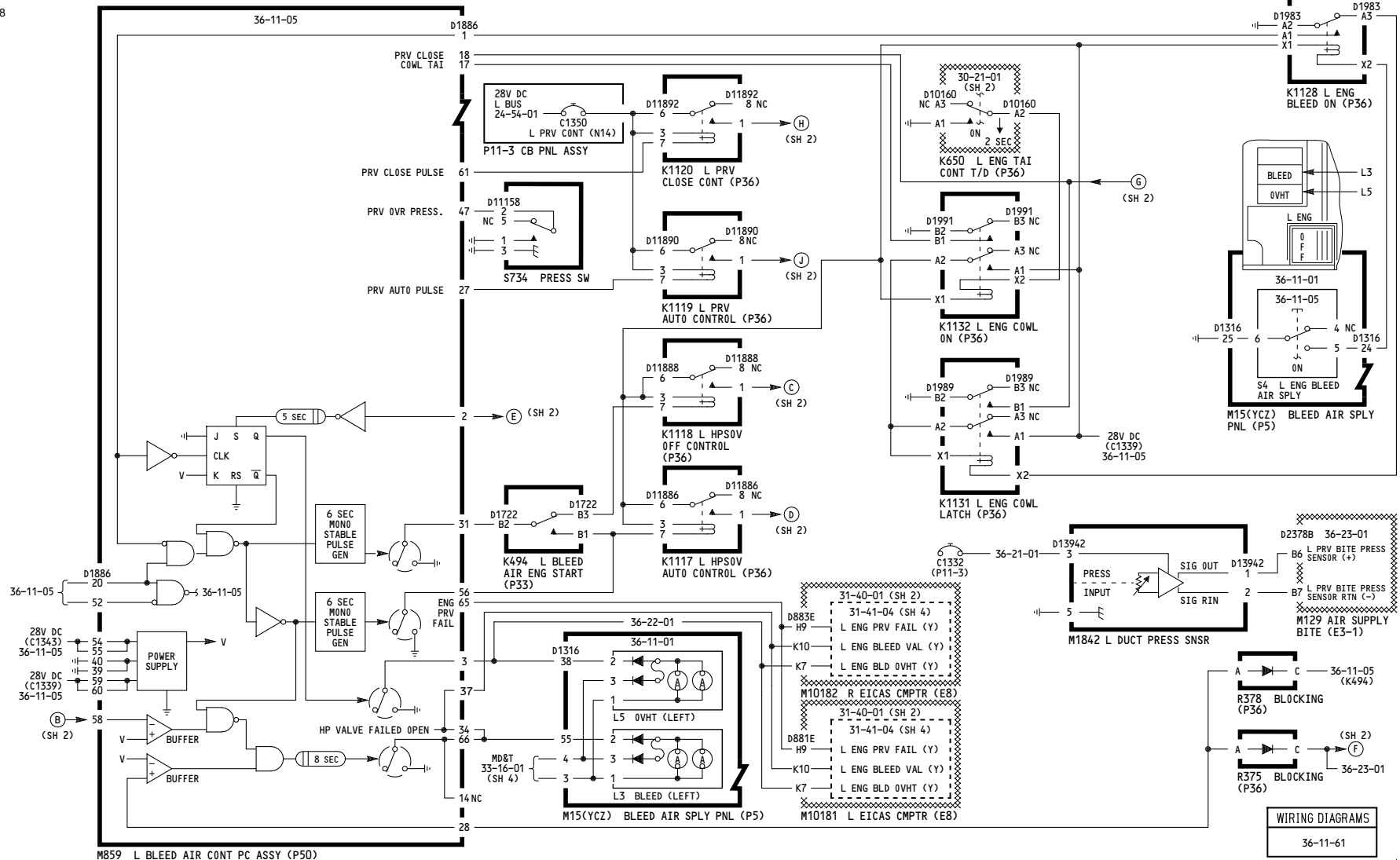
36-11-06

Page 103

Jan 21/2005

THIS PAGE INTENTIONALLY LEFT BLANK

-B
628



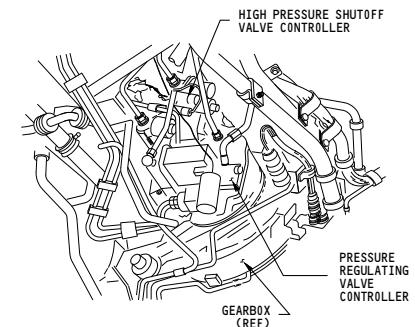
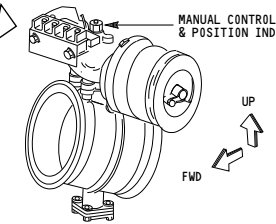
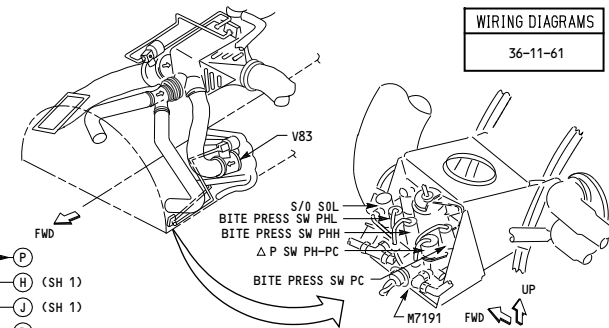
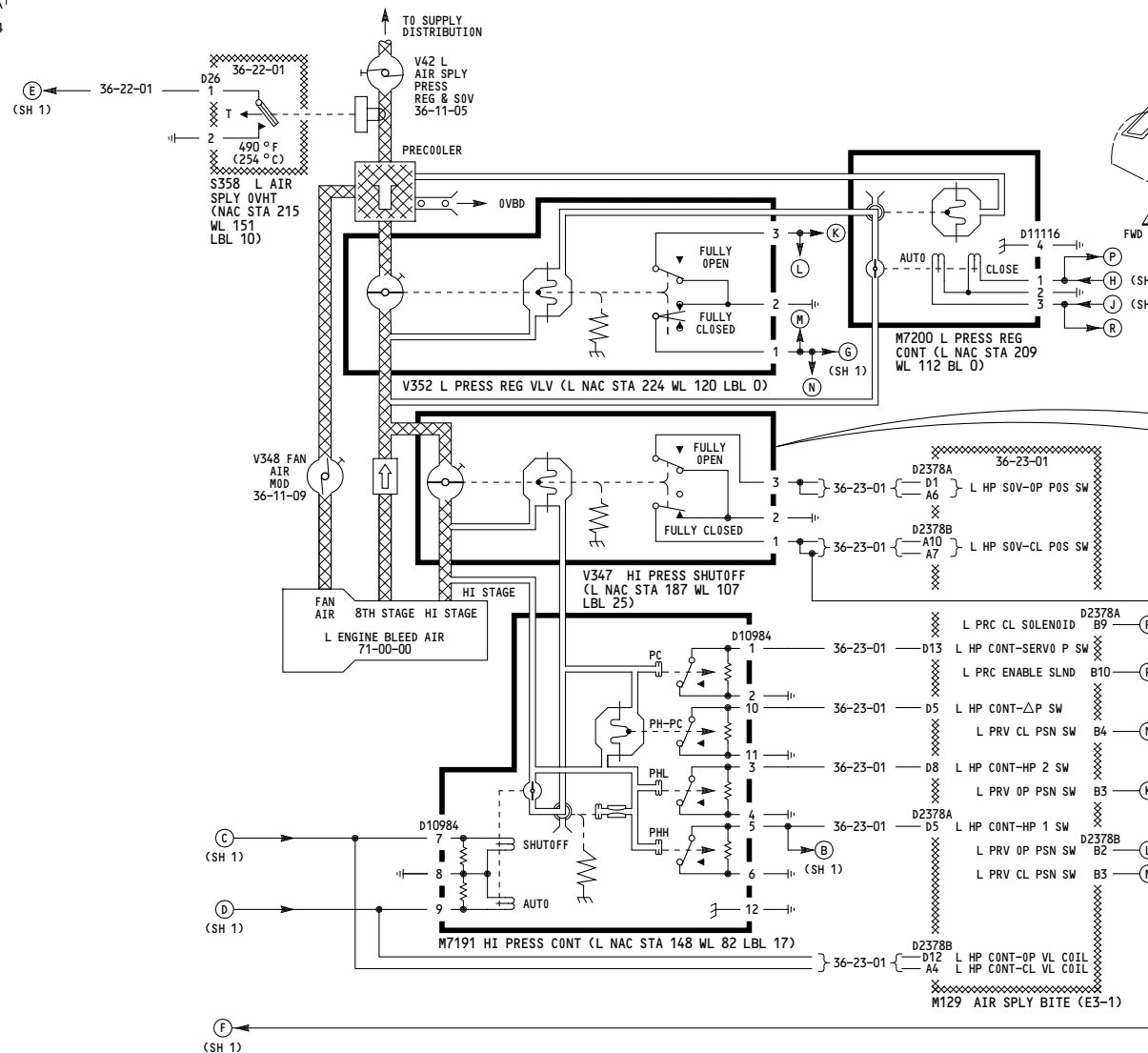
36-11-07

Page 101
Sheet 1
Jan 21/2005

**ENGINE HIGH PRESSURE
CONTROL-
LEFT**

D280T232

-A
624



162

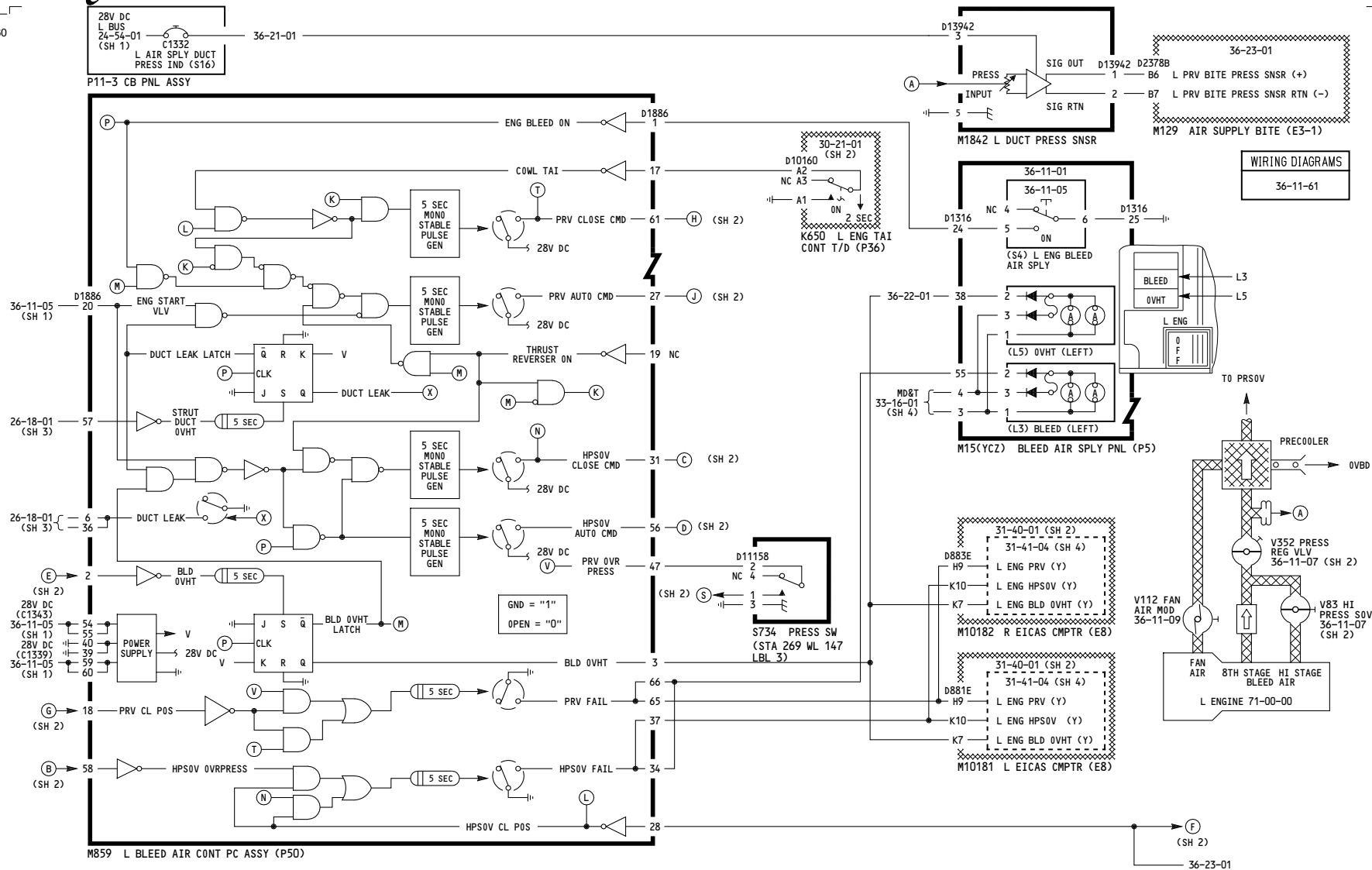
ENGINE HIGH PRESSURE CONTROL-LEFT

D280T232

36-11-07

Page 101
Sheet 2
Jan 21/2005

660



050-051, 155, 162-165

ENGINE HIGH PRESSURE CONTROL-LEFT

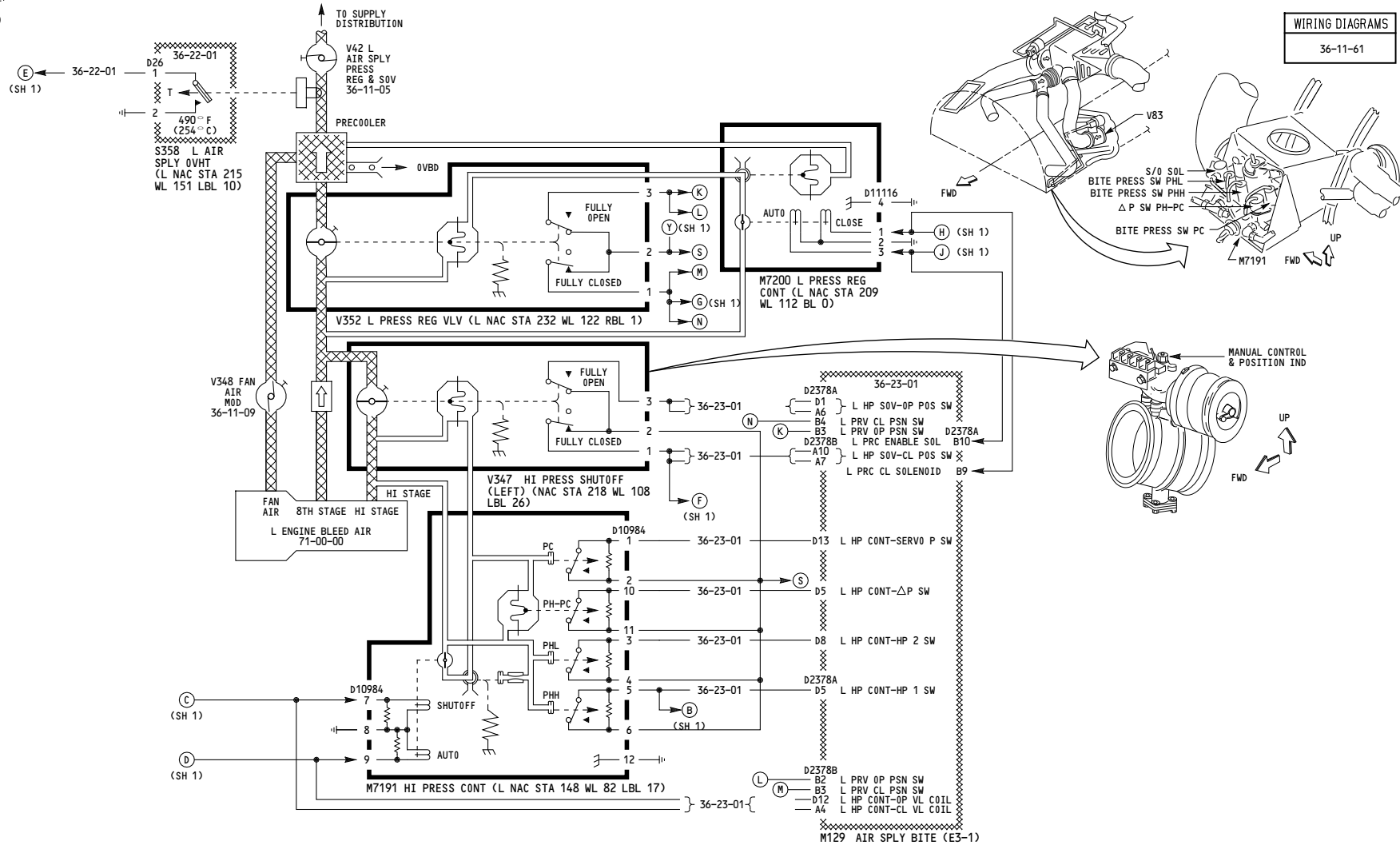
Incorporates
36-0026
36-0029 R05
36-0053

D280T232

36-11-07

Page 101.1
Sheet 1
Feb 06/2009

639



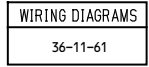
050-051, 155, 162-165

**ENGINE HIGH PRESSURE
CONTROL-
LEFT**

D280T232

36-11-07

Page 101.1
Sheet 2
Feb 06/2009



ENGINE HIGH PRESSURE CONTROL- LEFT

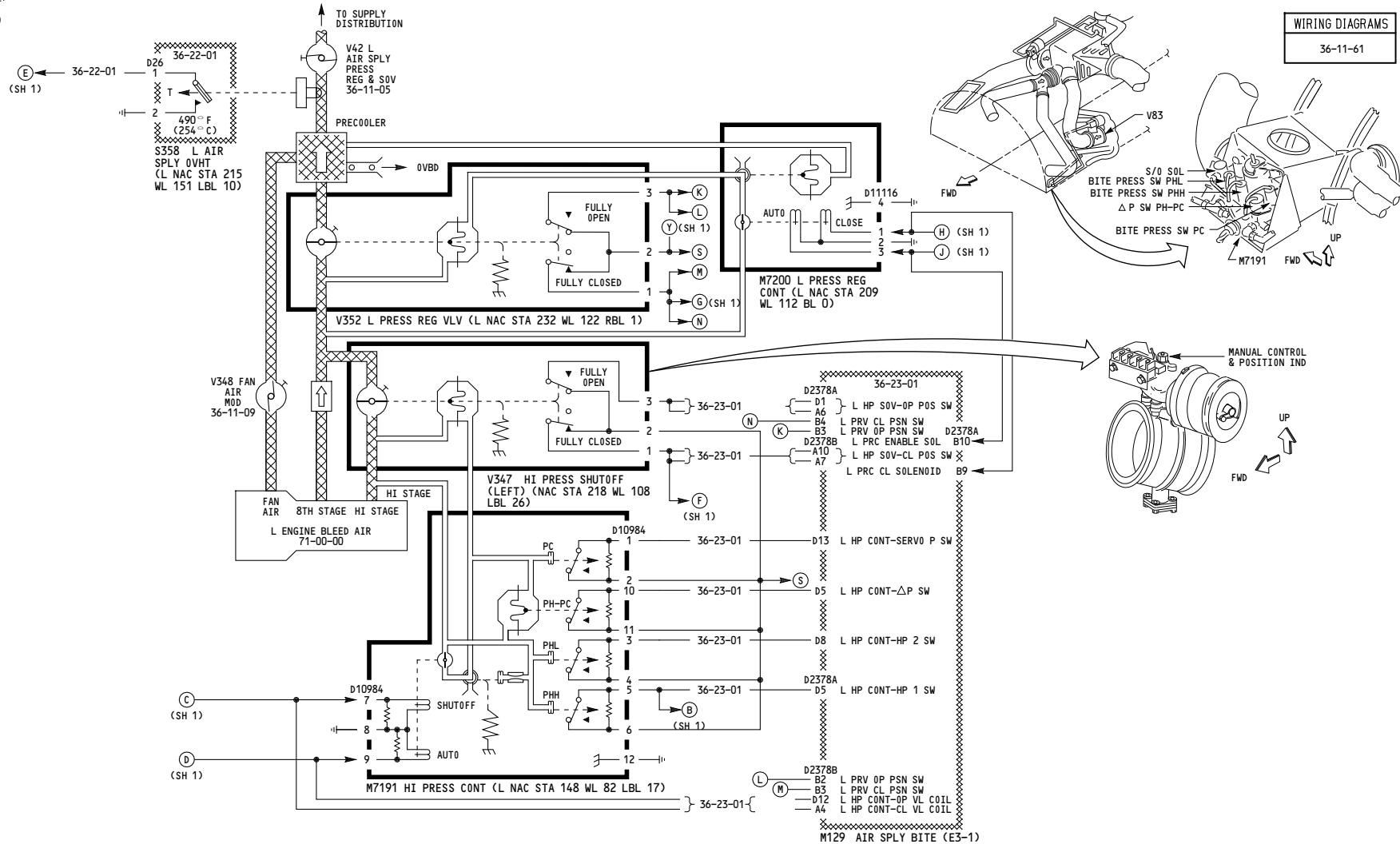
Incorporates

- ▶ 36-0026
- ▶ 36-0027
- ▶ 36-0029 R05
- ▶ 36-0053

36-11-07

Page 102.1
Sheet 1
Feb 06/2009

639



150-154

**ENGINE HIGH PRESSURE
CONTROL-
LEFT**

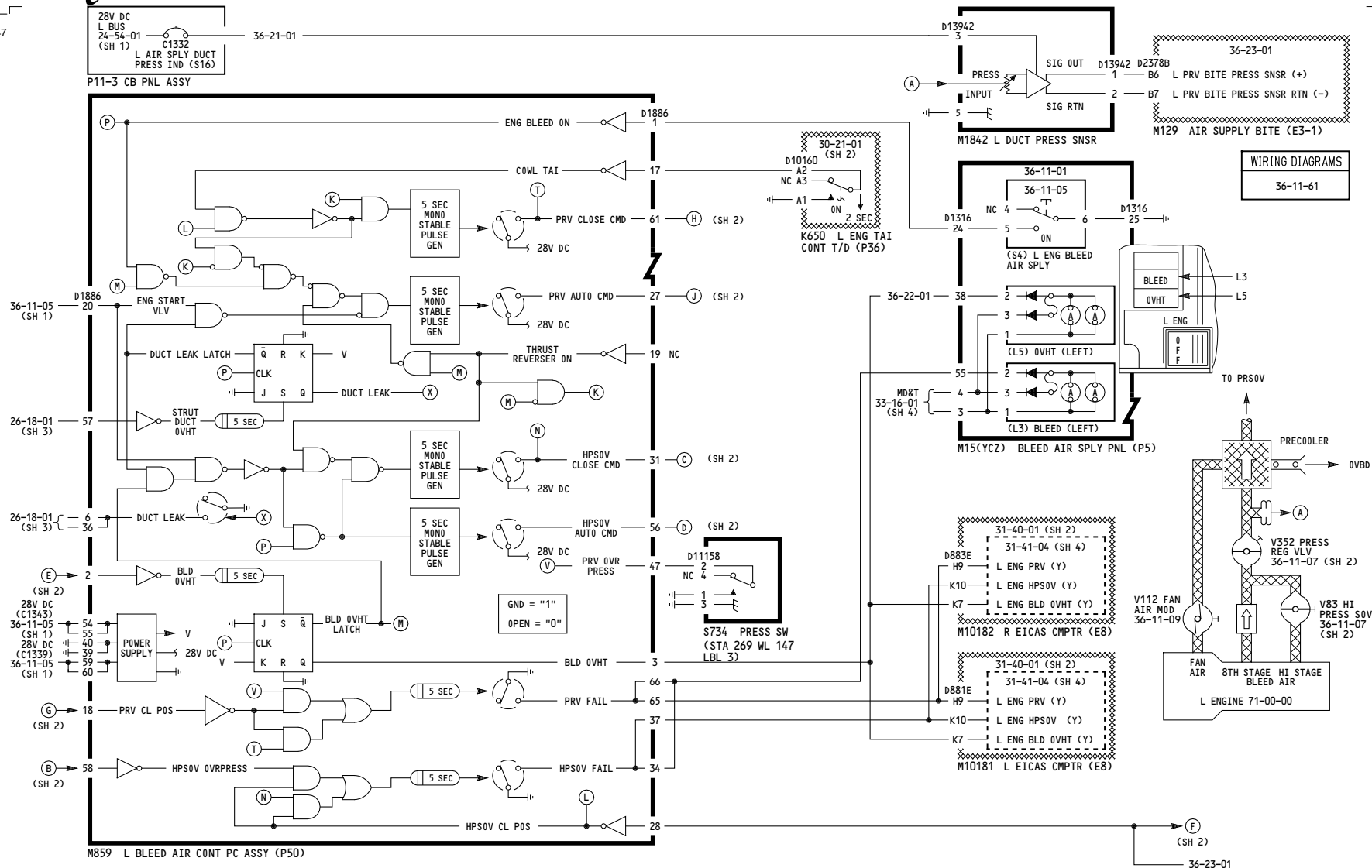
D280T232

Incorporates
36-0029 R05
36-0053

36-11-07

Page 102.1
Sheet 2
Feb 06/2009

647



156, 166

**ENGINE HIGH PRESSURE
CONTROL-
LEFT**

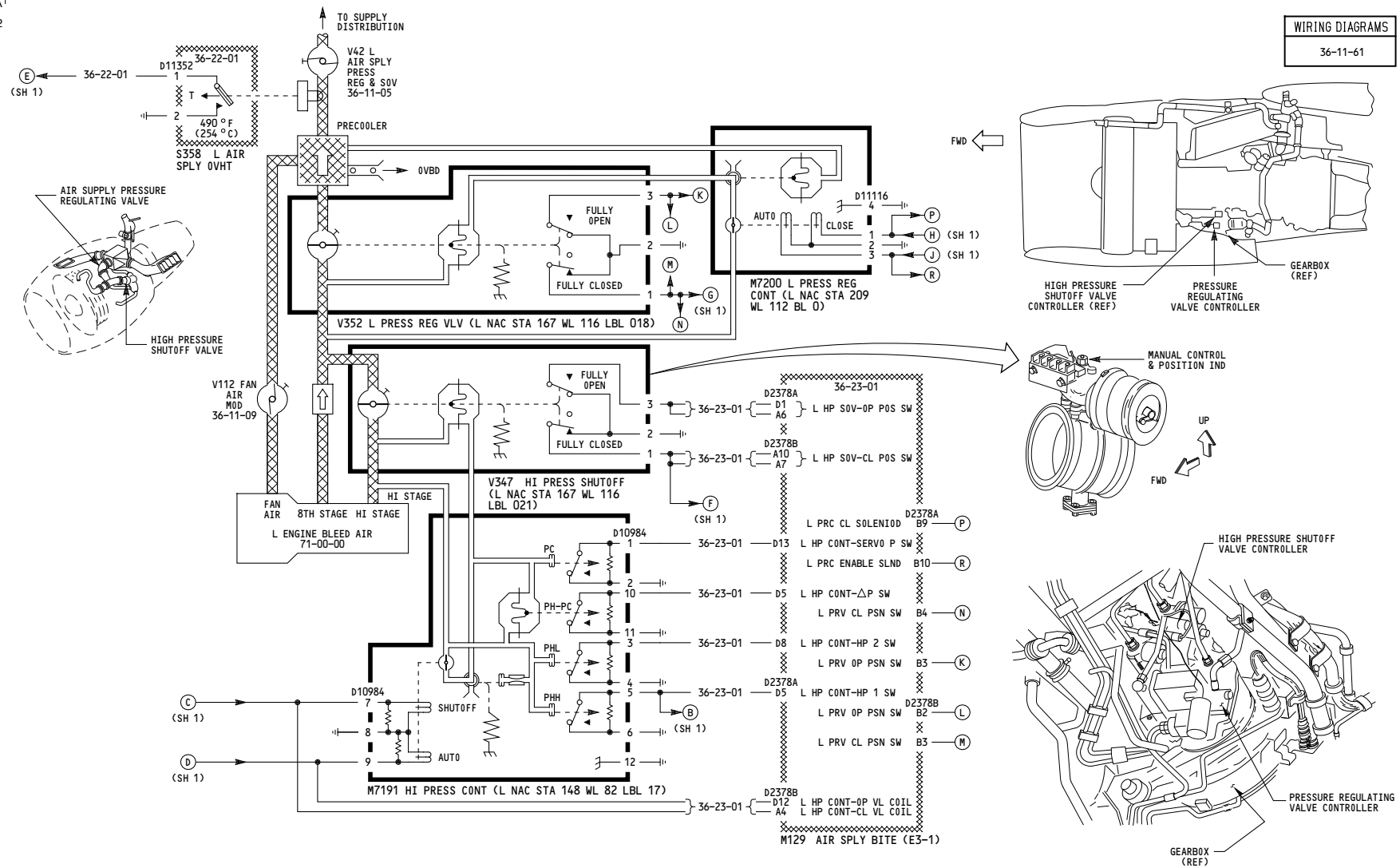
Incorporates
36-0026

D280T232

36-11-07

Page 103.1
Sheet 1
Jan 21/2005

-A
612



156, 166

**ENGINE HIGH PRESSURE
CONTROL-
LEFT**

D280T232

36-11-07

Page 103.1
Sheet 2
Jan 21/2005



Incorporates

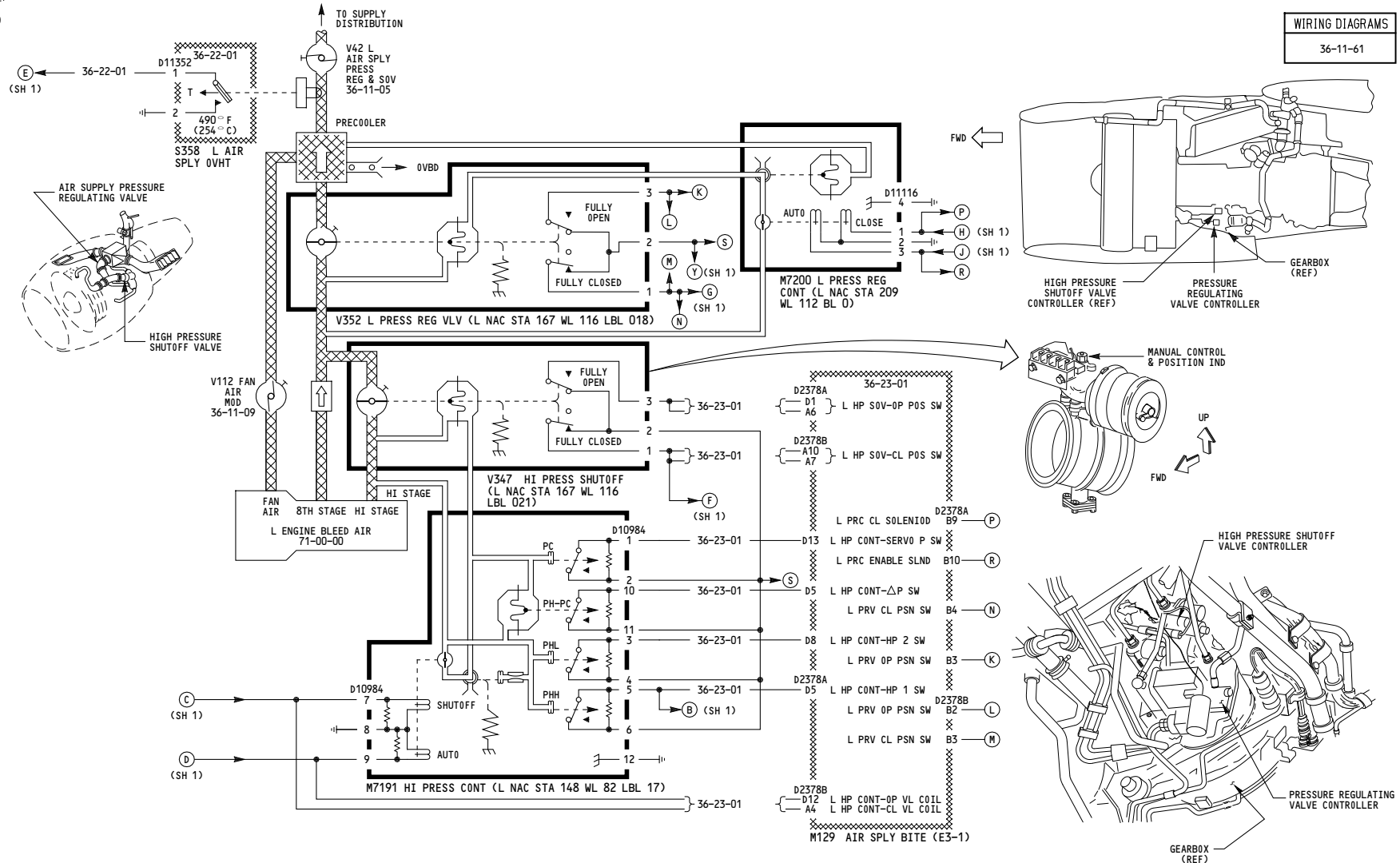
▶ 36-0026

▶ 36-0053

36-11-07

Page 103.2
Sheet 1
Feb 06/2009

640



156, 166

**ENGINE HIGH PRESSURE
CONTROL-
LEFT**

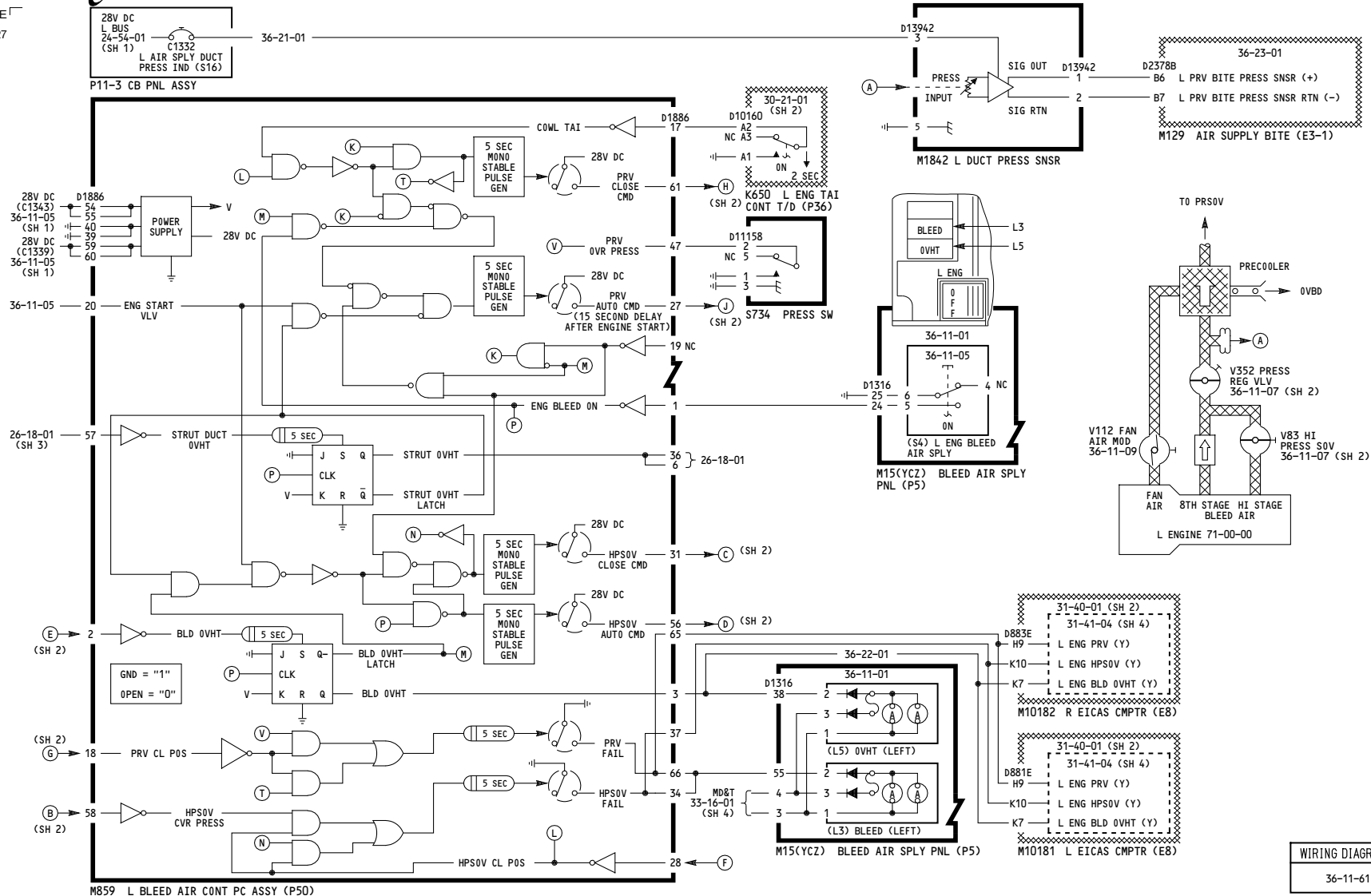
D280T232

Incorporates
36-0053

36-11-07

Page 103.2
Sheet 2
Feb 06/2009

-E-
627



157, 167-199, 277-299

ENGINE HIGH PRESSURE CONTROL-LEFT

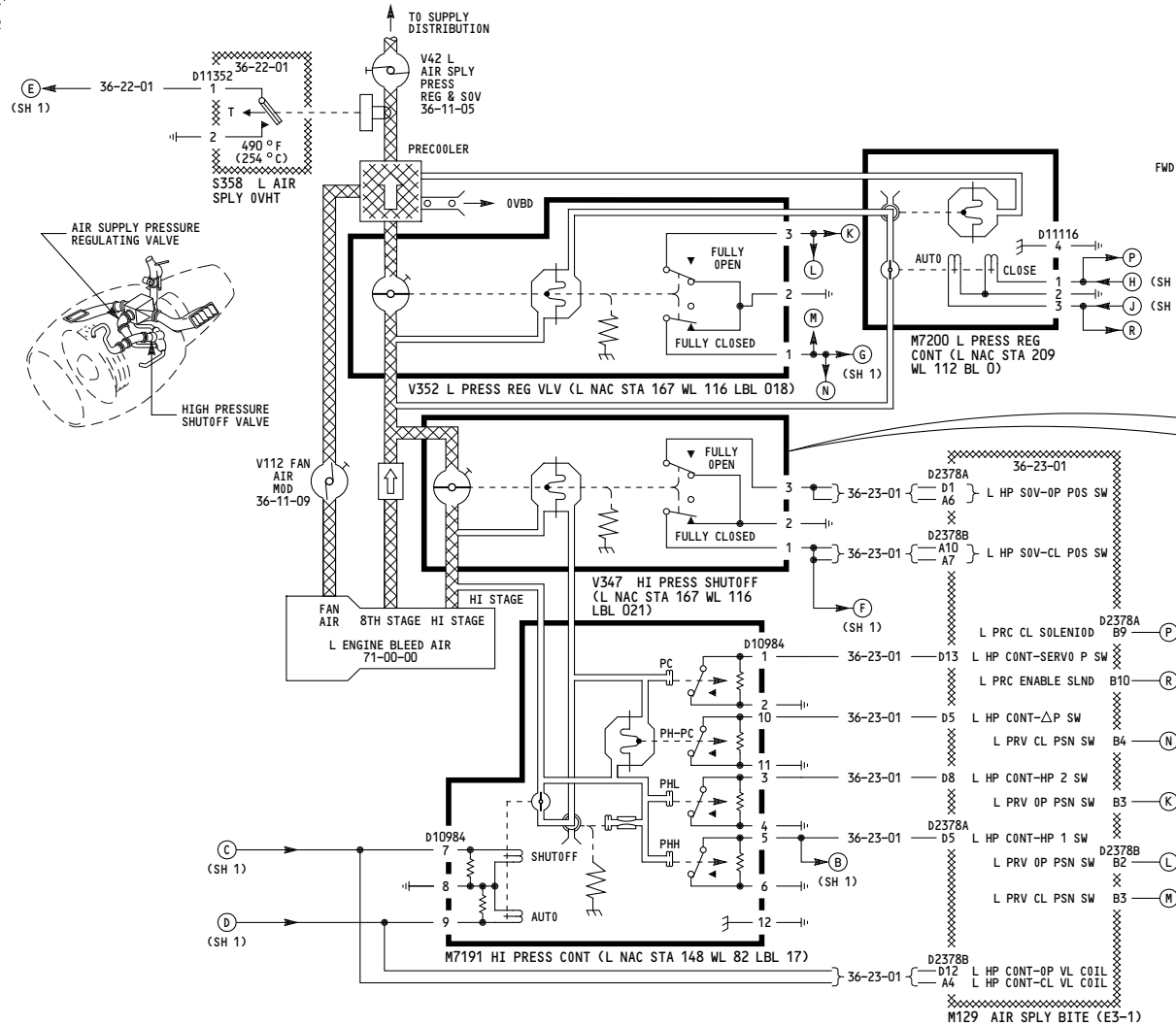
D280T232

WIRING DIAGRAMS
36-11-61

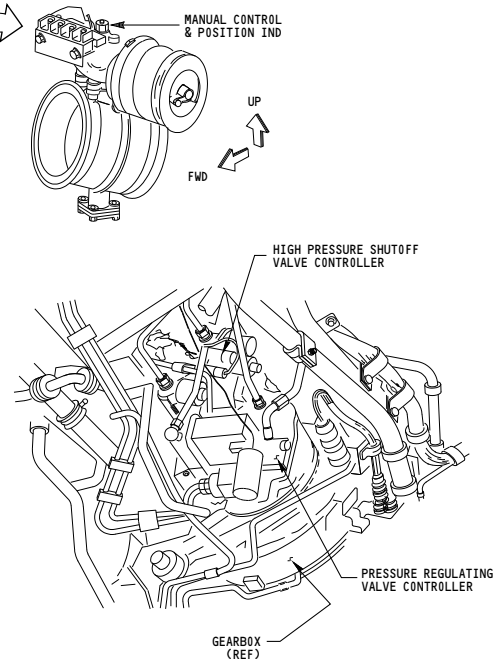
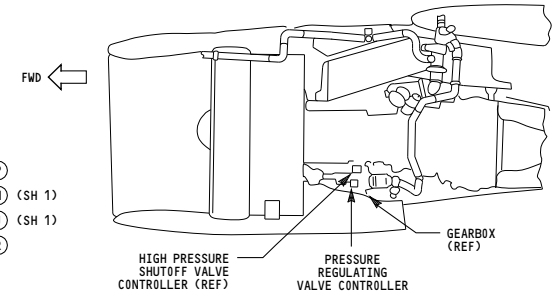
36-11-07

Page 104
Sheet 1
Jan 21/2005

-A-
612



WIRING DIAGRAMS
36-11-61



157, 167-199, 277-299

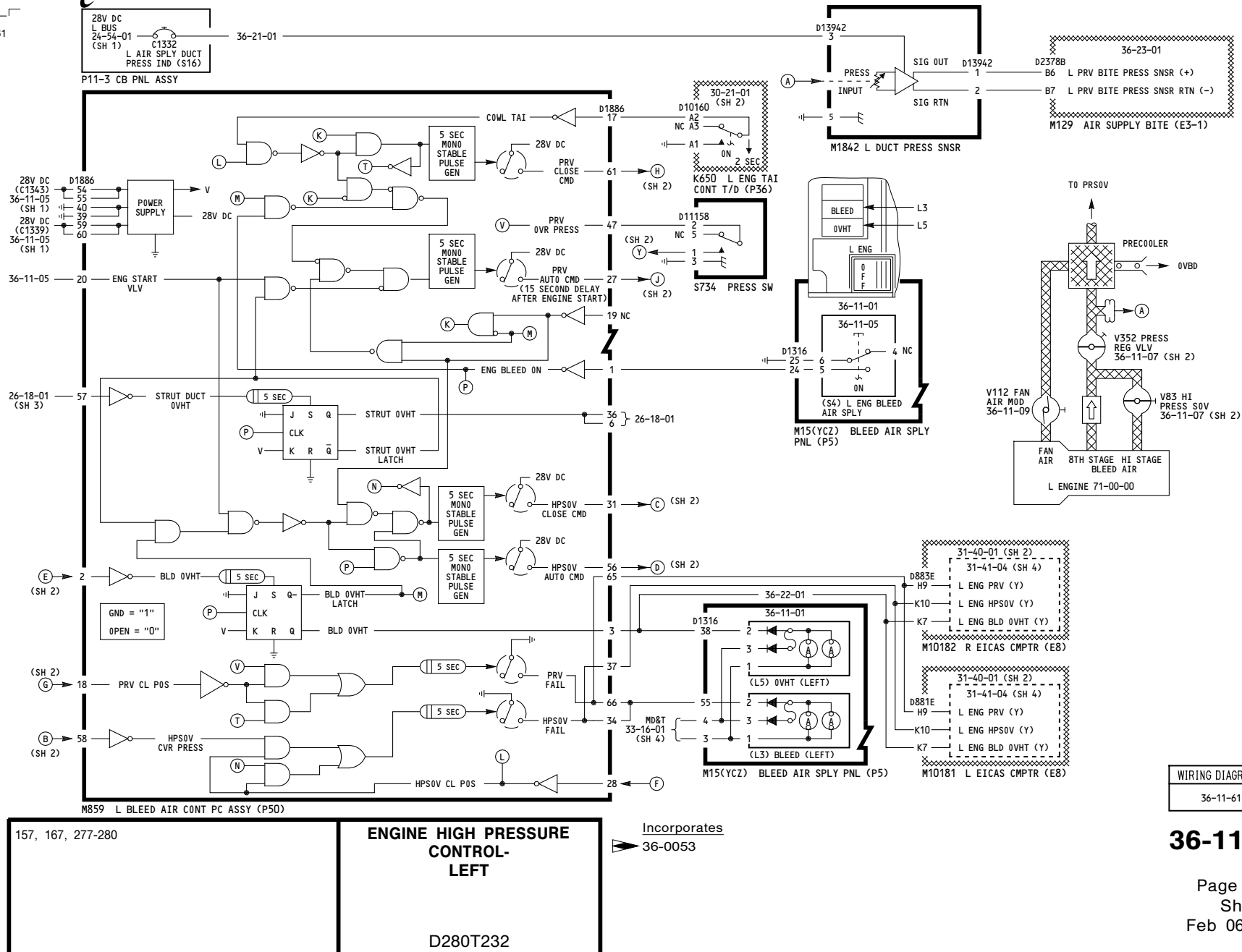
**ENGINE HIGH PRESSURE
CONTROL-
LEFT**

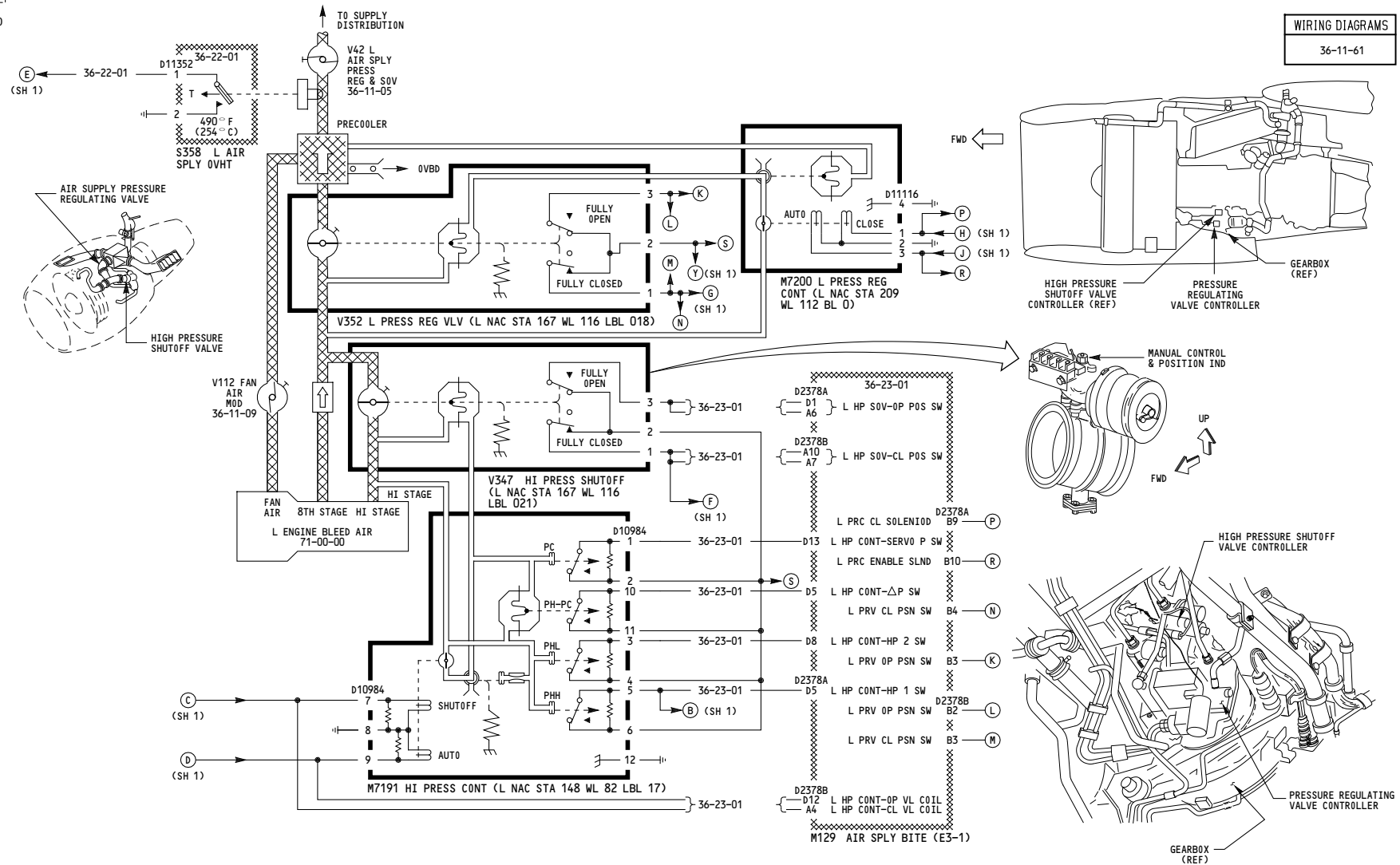
D280T232


36-11-07

Page 104
Sheet 2
Jan 21/2005

661





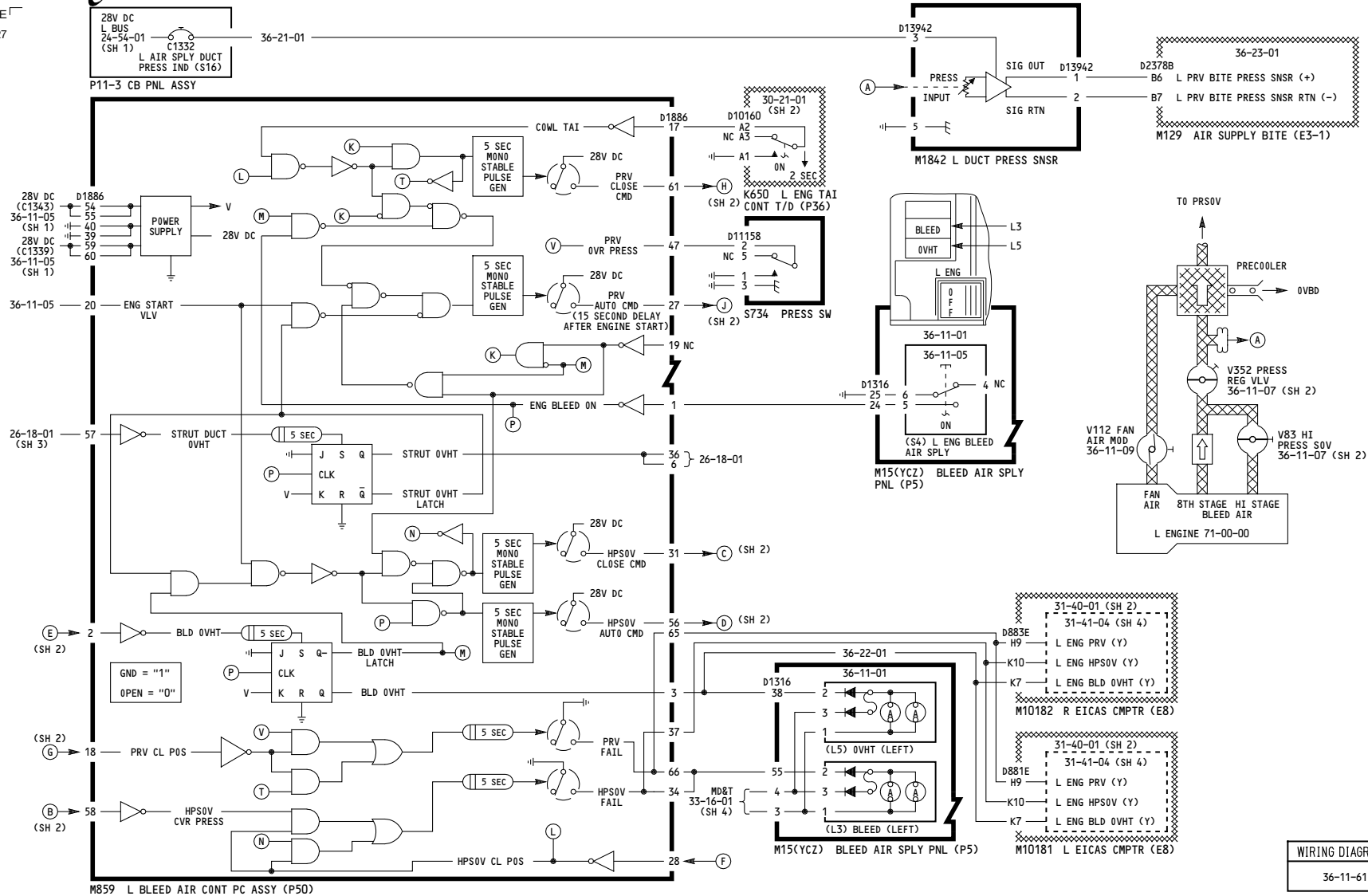
 Incorporates
36-0053

36-11-07

Page 104.1
Sheet 2
Feb 06/2009

-E

627



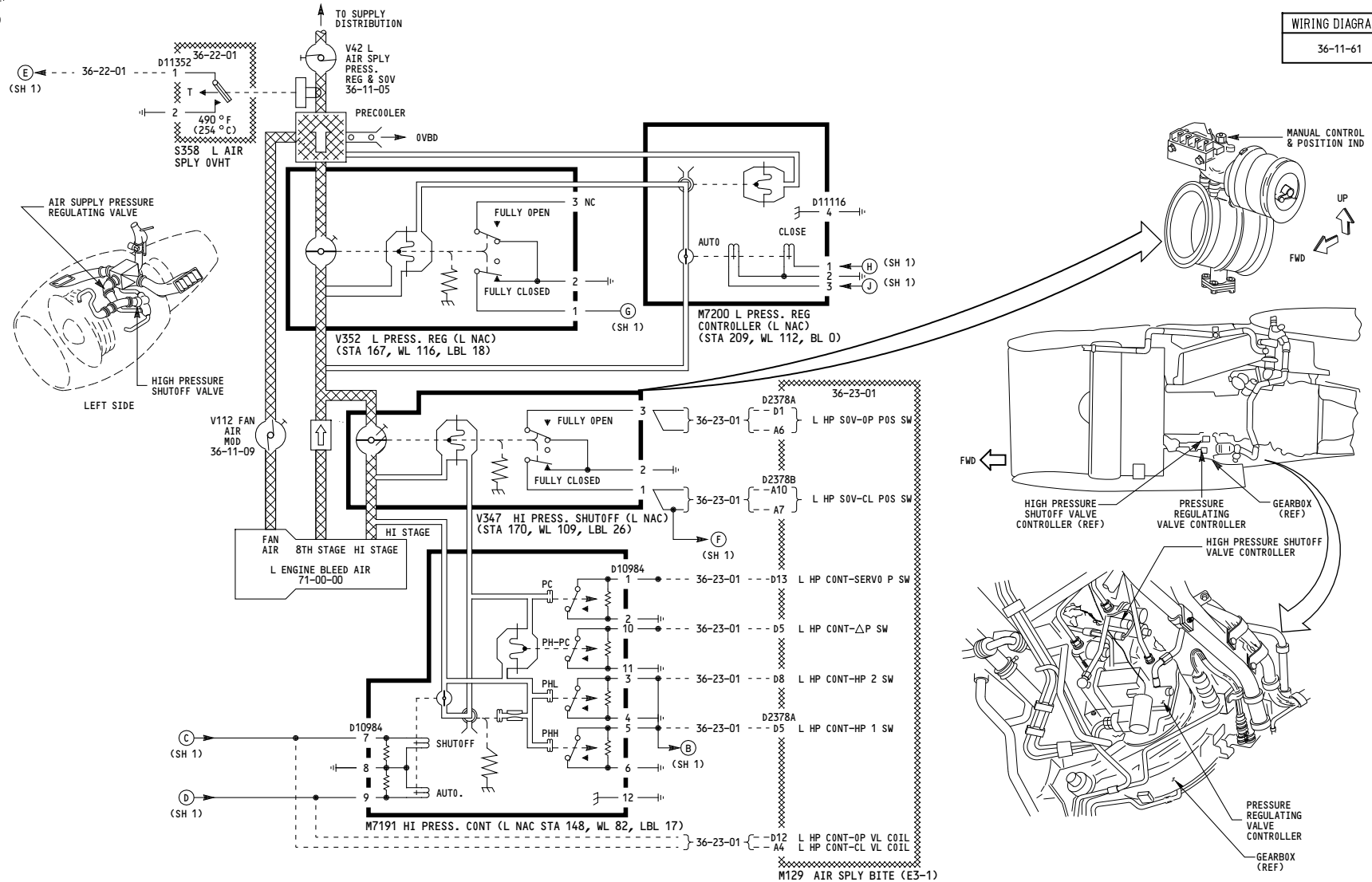
WIRING DIAGRAMS

36-11-61

36-11-07

Page 105
Sheet 1
Jan 21/2005

609



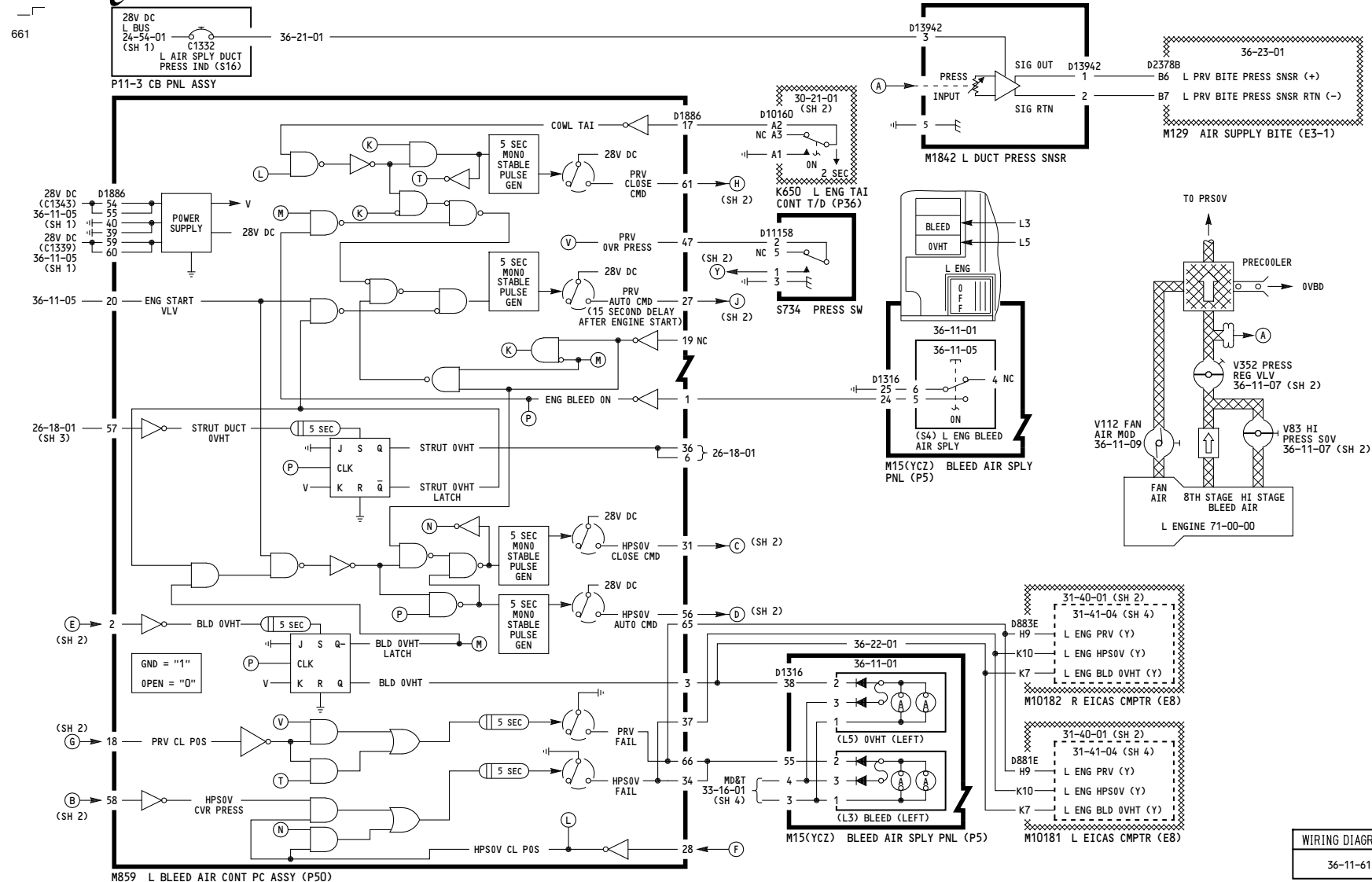
275

ENGINE HIGH PRESSURE CONTROL-LEFT

D280T232

36-11-07

Page 105
Sheet 2
Jan 21/2005



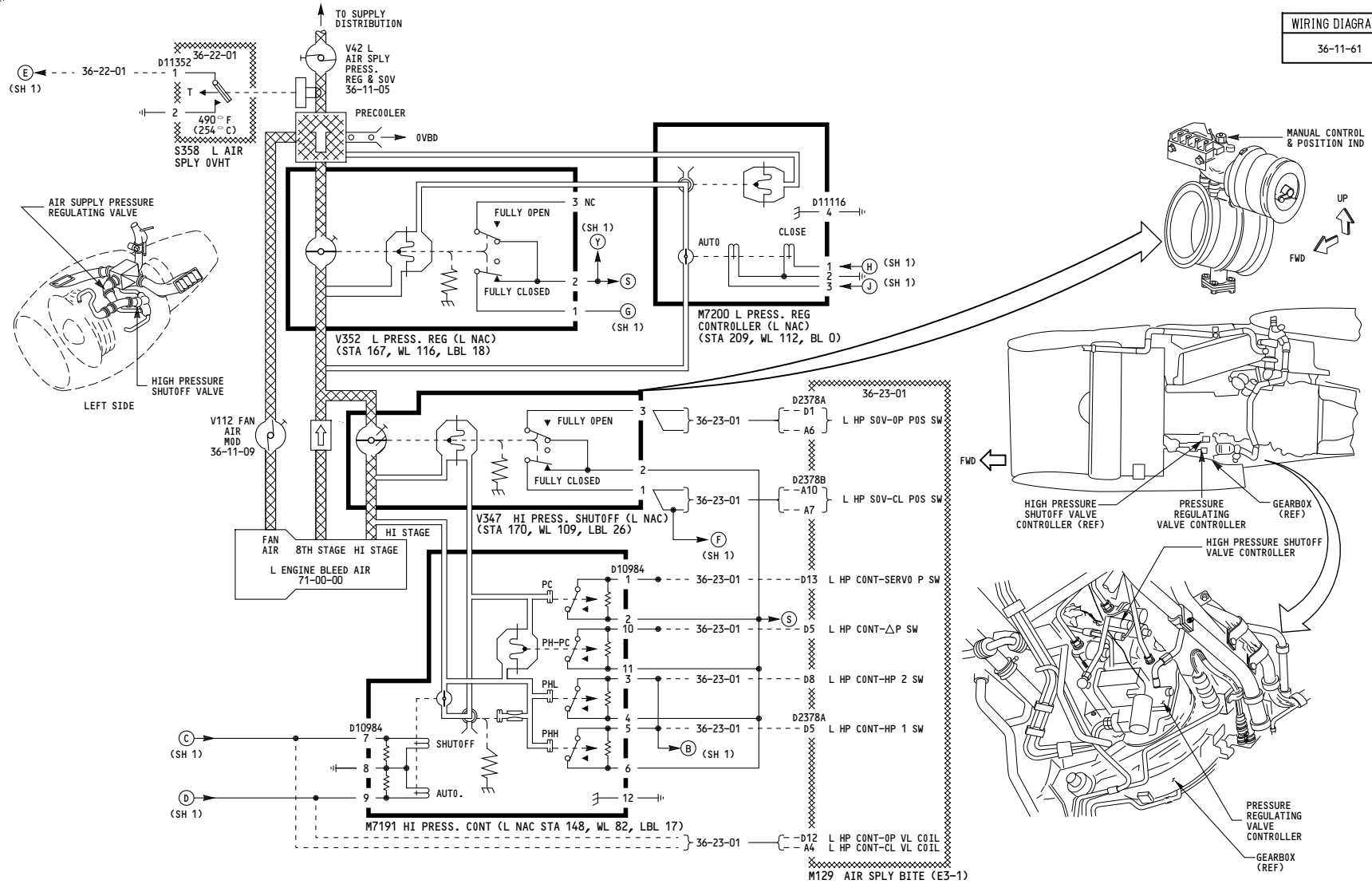
WIRING DIAGRAMS

36-11-61

36-11-07

Page 105.1
Sheet 1
Feb 06/2009

641



275

ENGINE HIGH PRESSURE CONTROL-LEFT

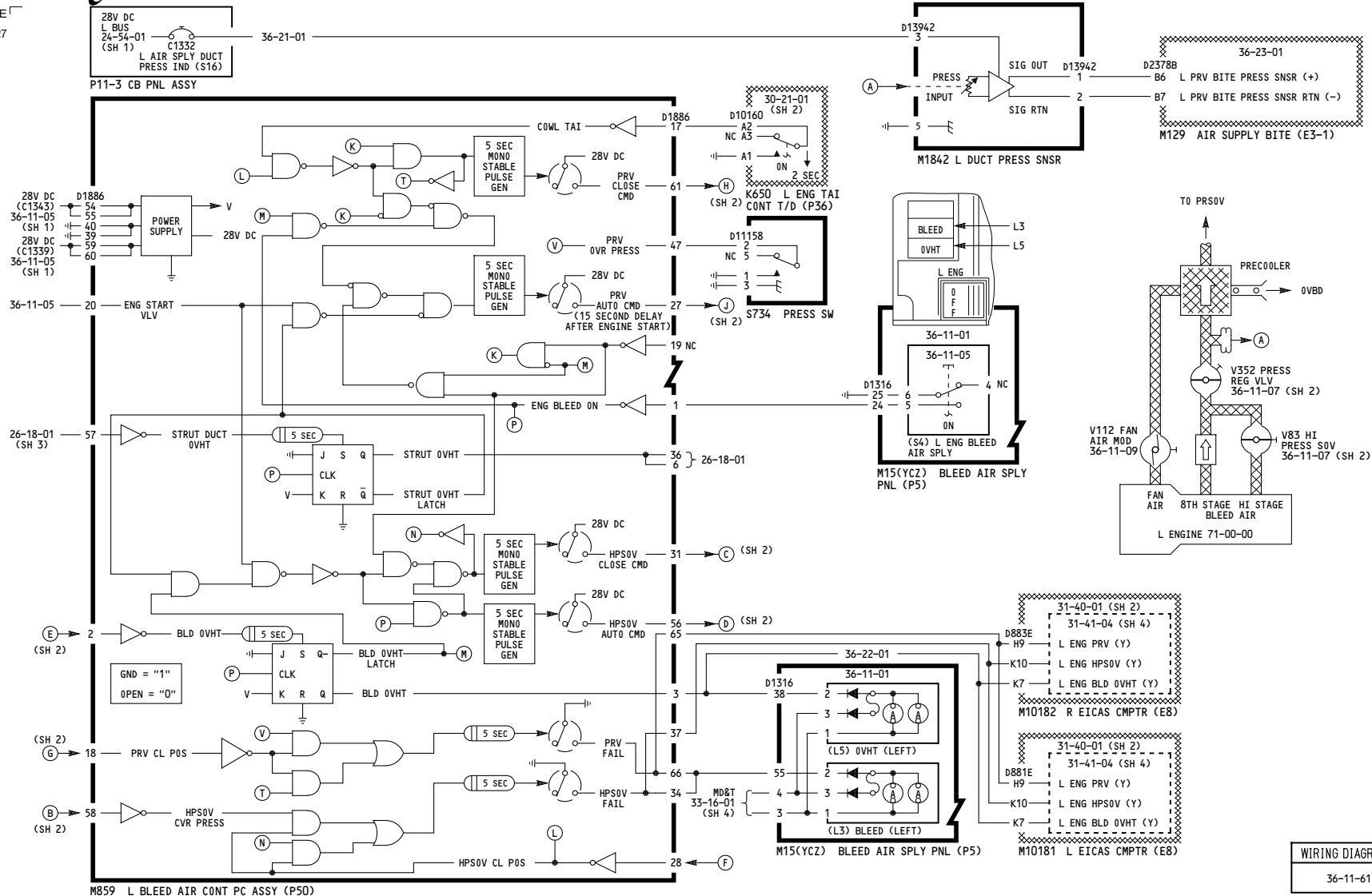
Incorporates
36-0053

D280T232

36-11-07

Page 105.1
Sheet 2
Feb 06/2009

-E
627



276

ENGINE HIGH PRESSURE CONTROL-LEFT

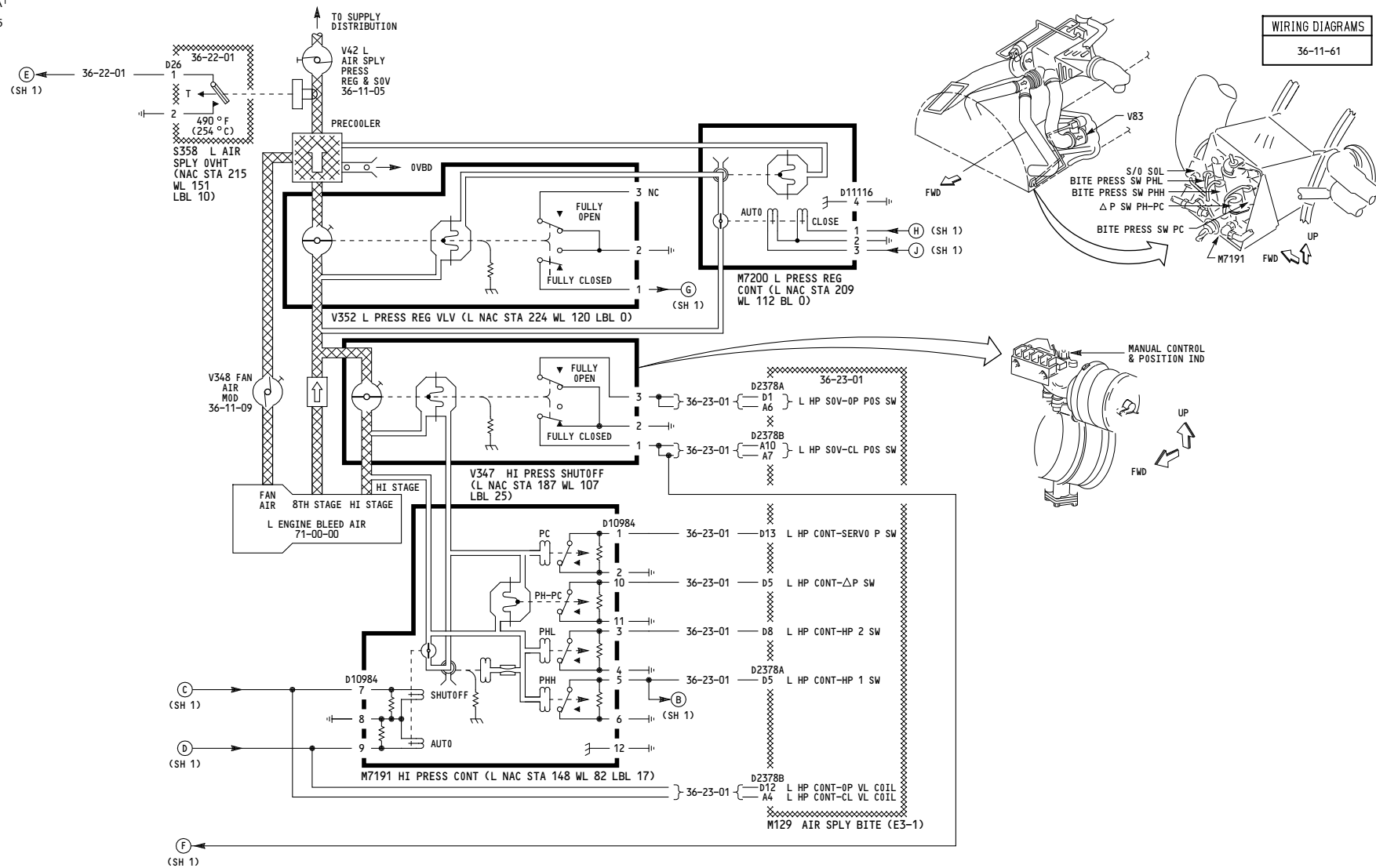
D280T232

WIRING DIAGRAMS
36-11-61

36-11-07

Page 106
Sheet 1
Jan 21/2005

-A
605



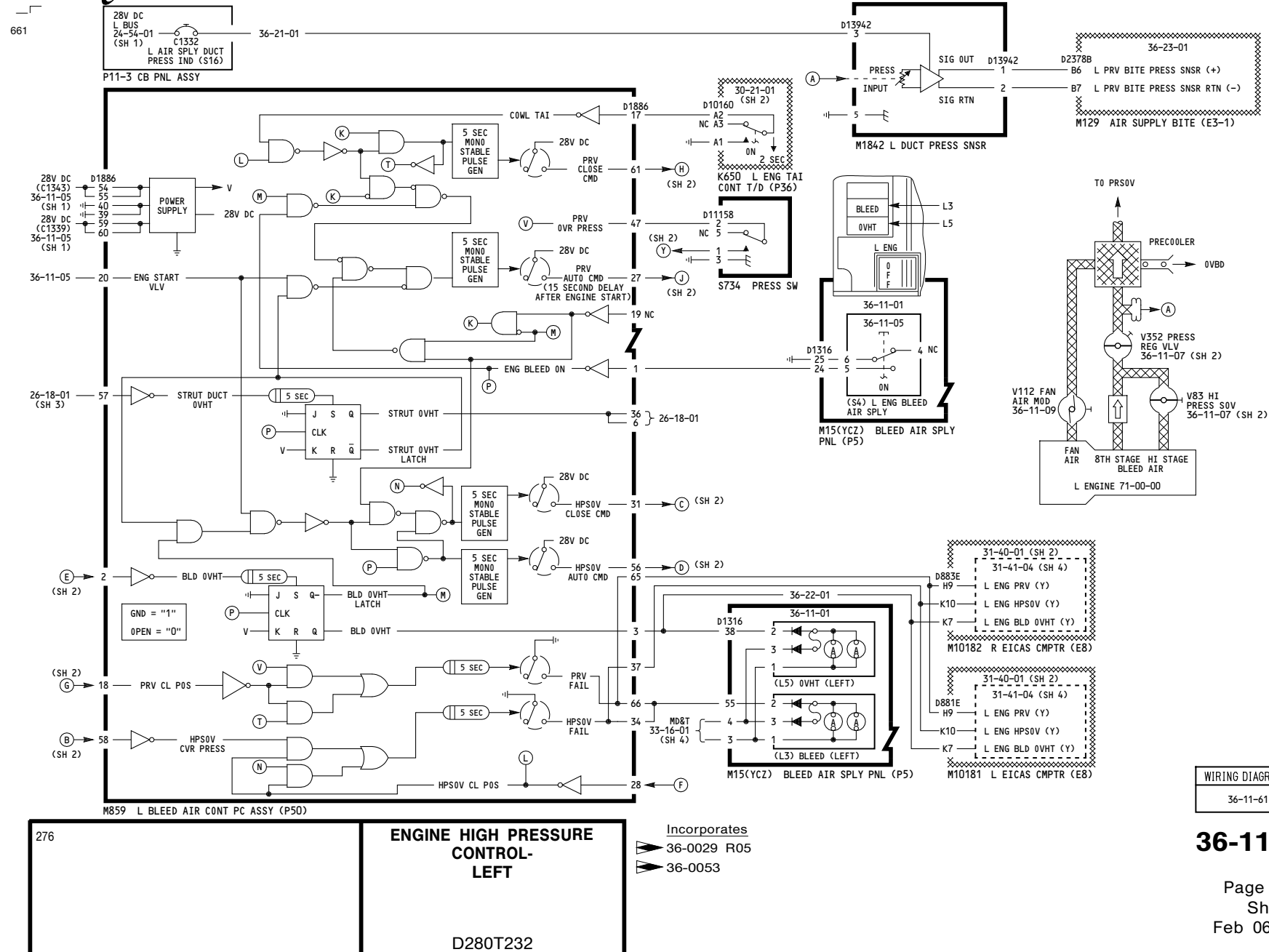
276

**ENGINE HIGH PRESSURE
CONTROL-
LEFT**

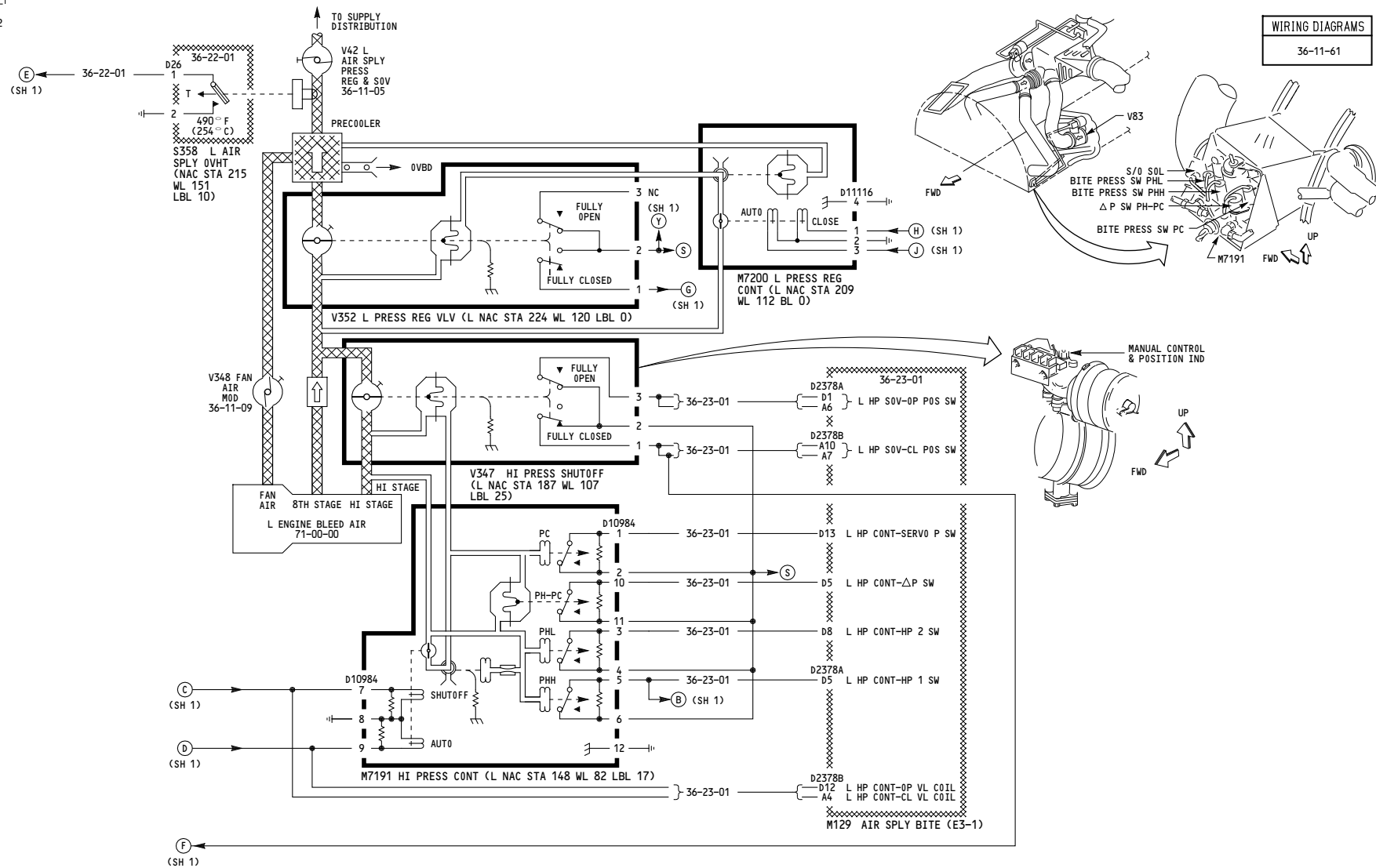
D280T232

36-11-07

Page 106
Sheet 2
Jan 21/2005



642



276

**ENGINE HIGH PRESSURE
CONTROL-
LEFT**

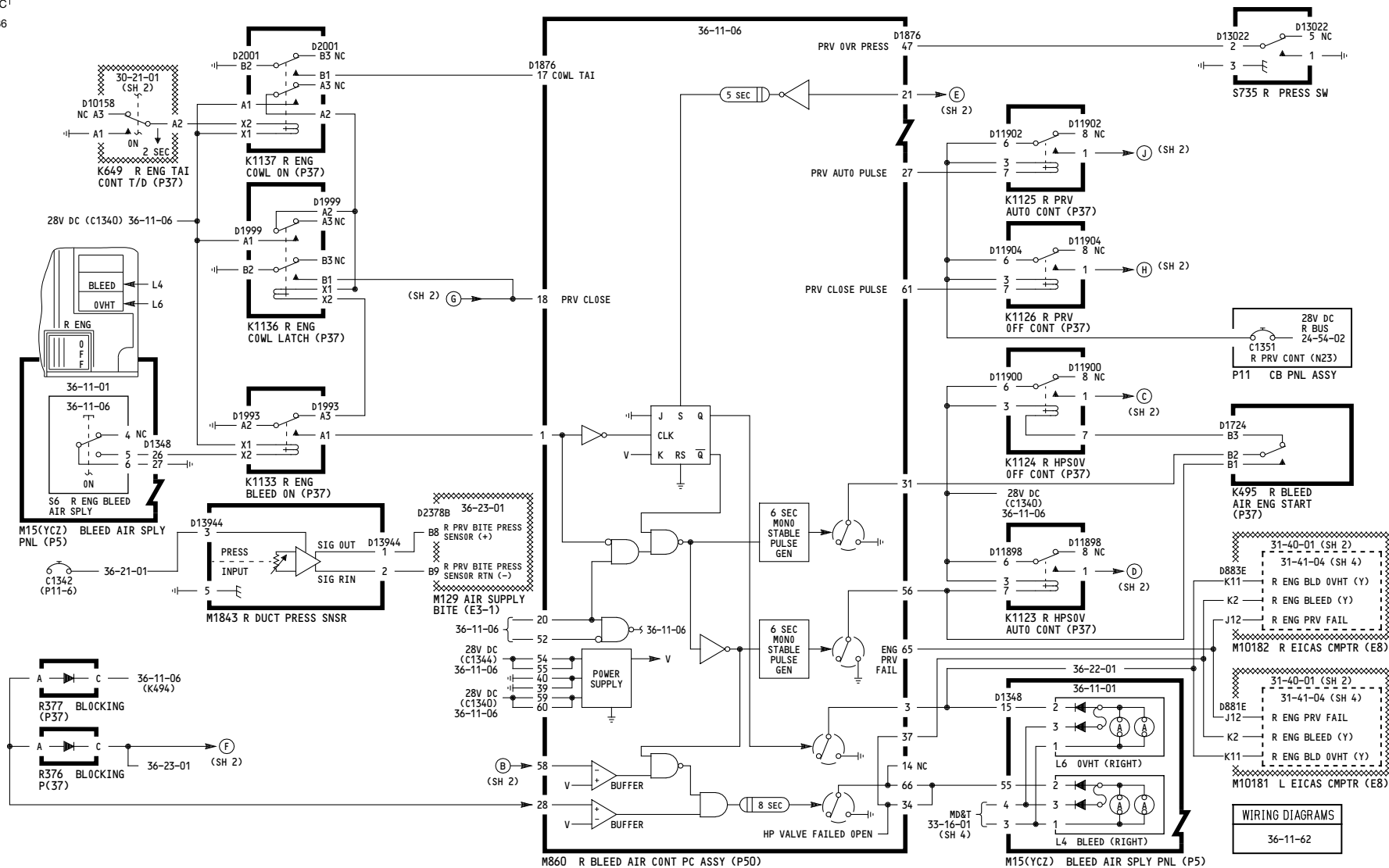
D280T232

Incorporates
36-0053

36-11-07

Page 106.1
Sheet 2
Feb 06/2009

636



162

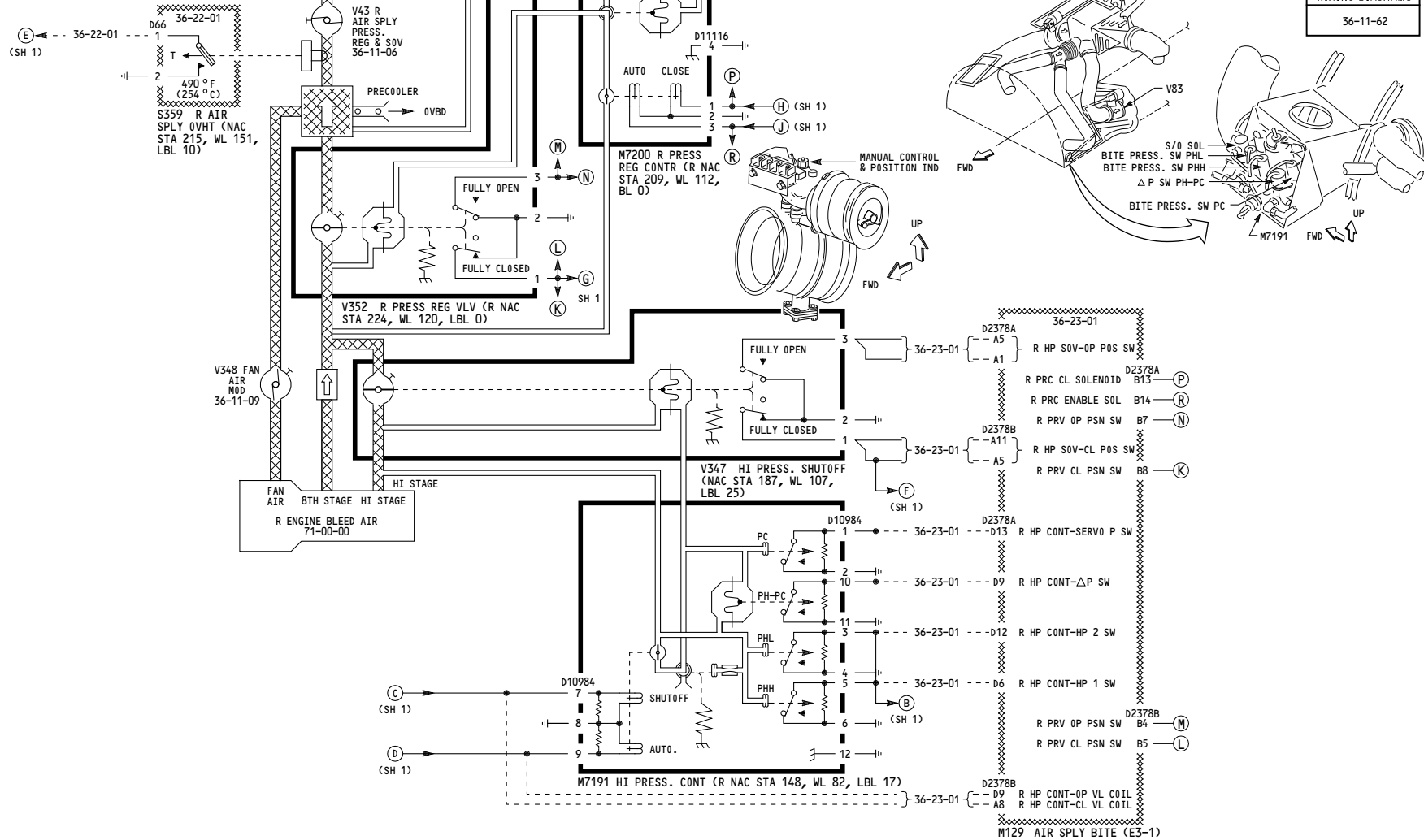
ENGINE HIGH PRESSURE CONTROL - RIGHT

D280T232

36-11-08

Page 101
Sheet 1
Jan 21/2005

-A
611



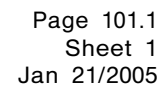
162

**ENGINE HIGH PRESSURE
CONTROL-
RIGHT**

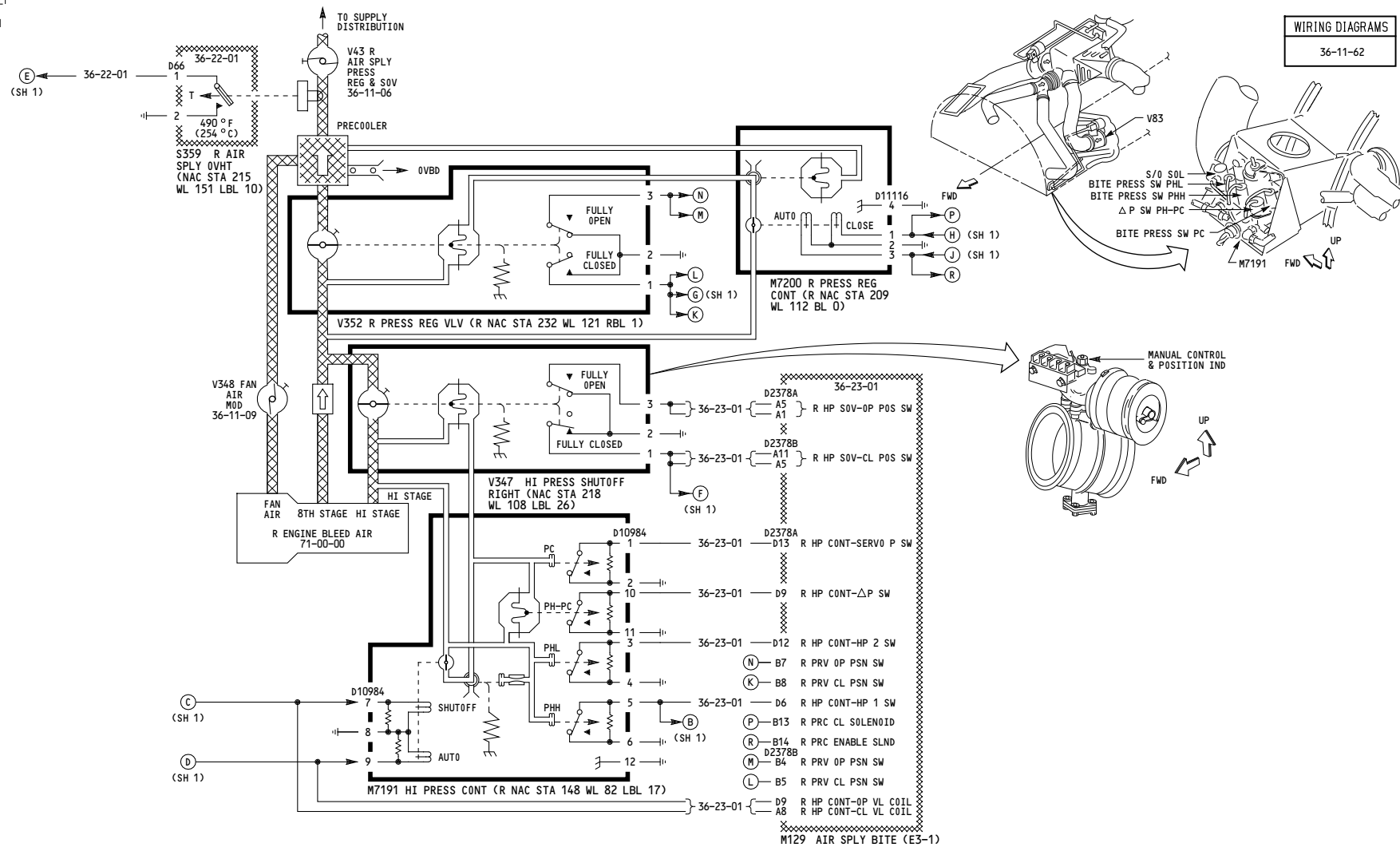
D280T232

36-11-08

Page 101
Sheet 2
Jan 21/2005



621



050-051, 155, 162-165

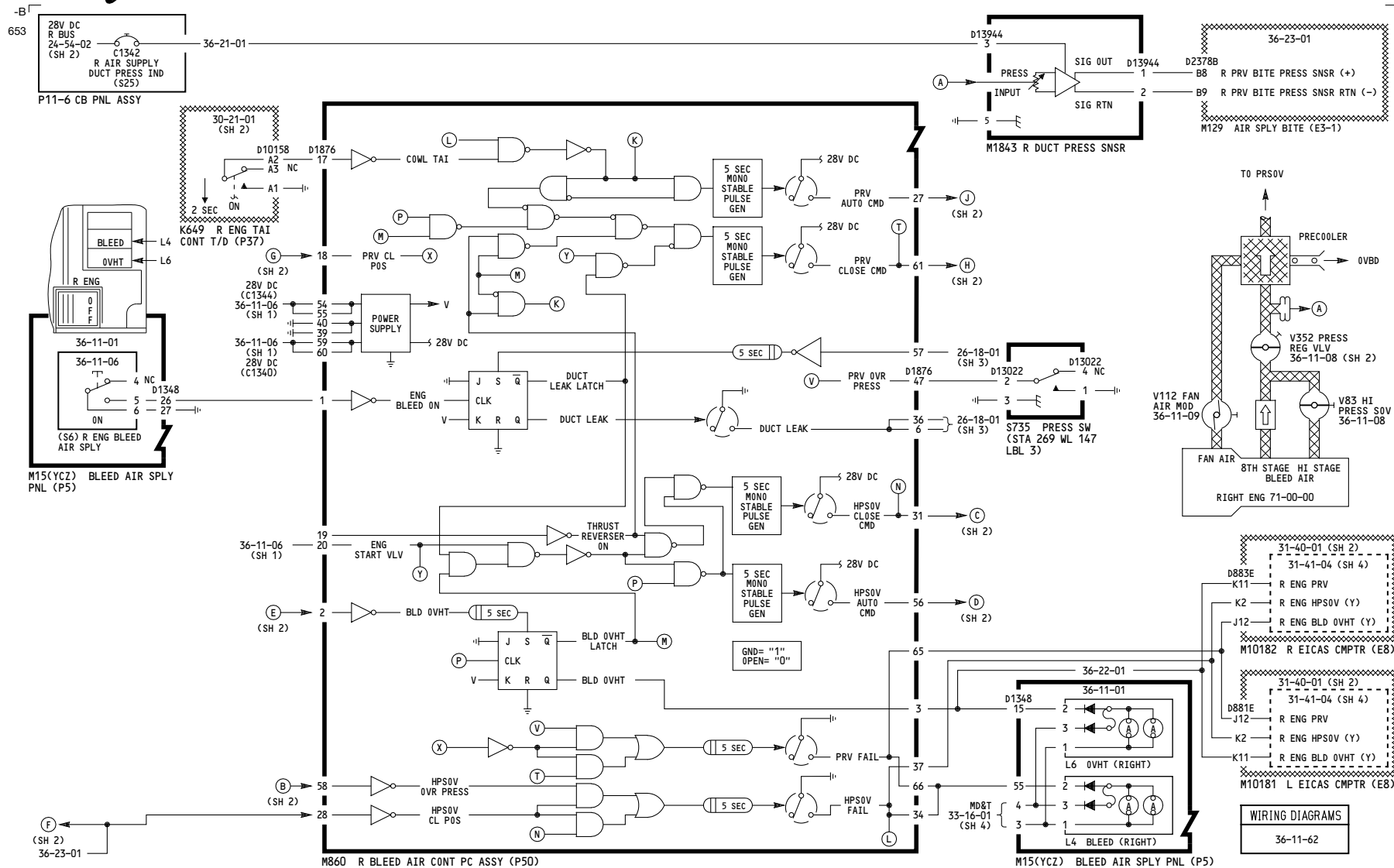
**ENGINE HIGH PRESSURE
CONTROL-
RIGHT**

D280T232

Incorporates
▶ 36-0029 R05

36-11-08

Page 101.1
Sheet 2
Jan 21/2005



ENGINE HIGH PRESSURE CONTROL- RIGHT

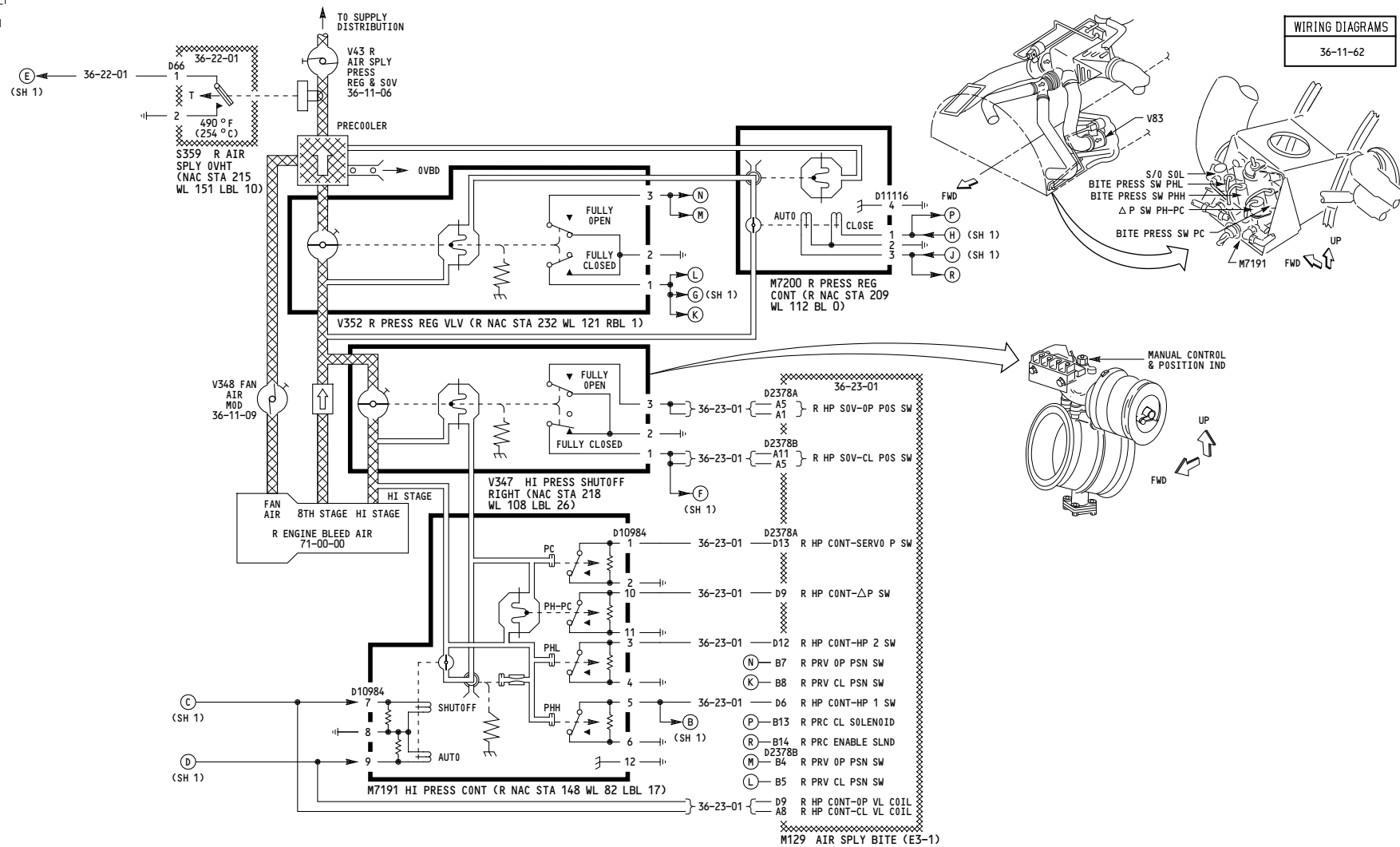
Incorporates
 36-0026
 36-0027
 36-0029 R05

D280T232

36-11-08

Page 102.1
 Sheet 1
 Jan 21/2005

621



150-154

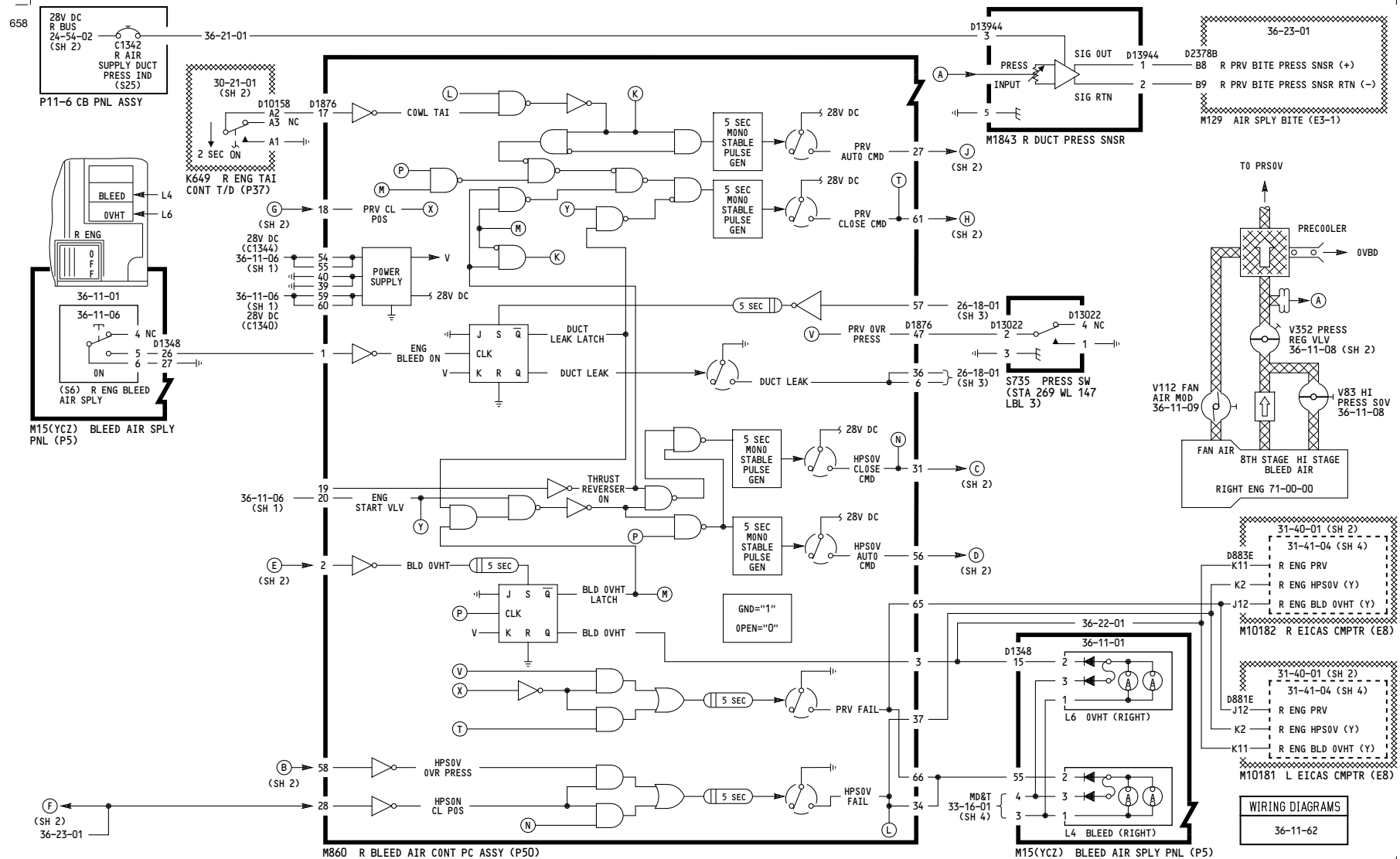
ENGINE HIGH PRESSURE CONTROL-RIGHT

D280T232

Incorporates
36-0029 R05

36-11-08

Page 102.1
Sheet 2
Jan 21/2005



156, 166

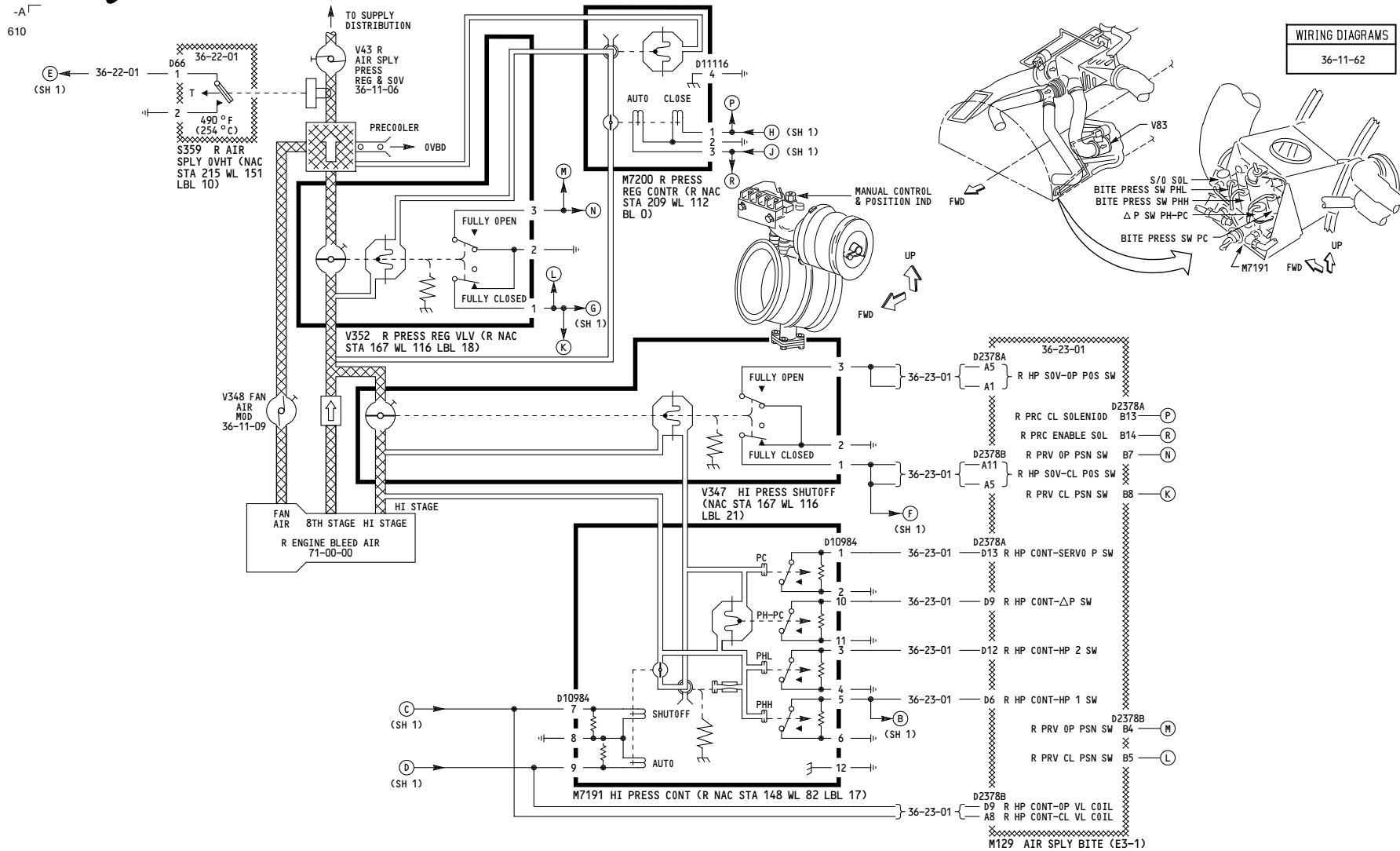
ENGINE HIGH PRESSURE CONTROL- RIGHT

Incorporates
36-0026

D280T232

36-11-08

Page 103.1
Sheet 1
Jan 21/2005



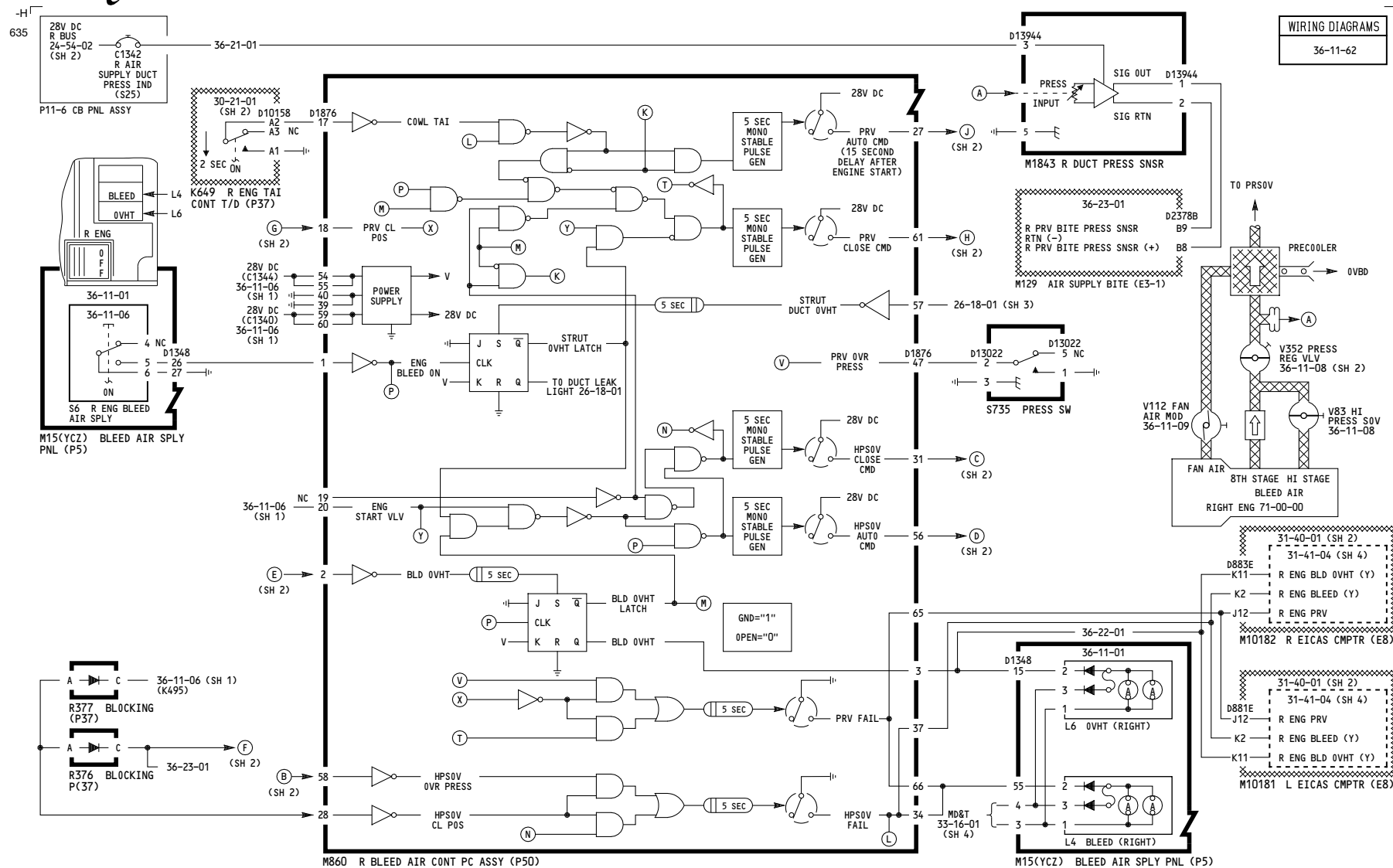
156, 166

ENGINE HIGH PRESSURE CONTROL- RIGHT

D280T232

36-11-08

Page 103.1
Sheet 2
Jan 21/2005



157, 167-199, 277-299

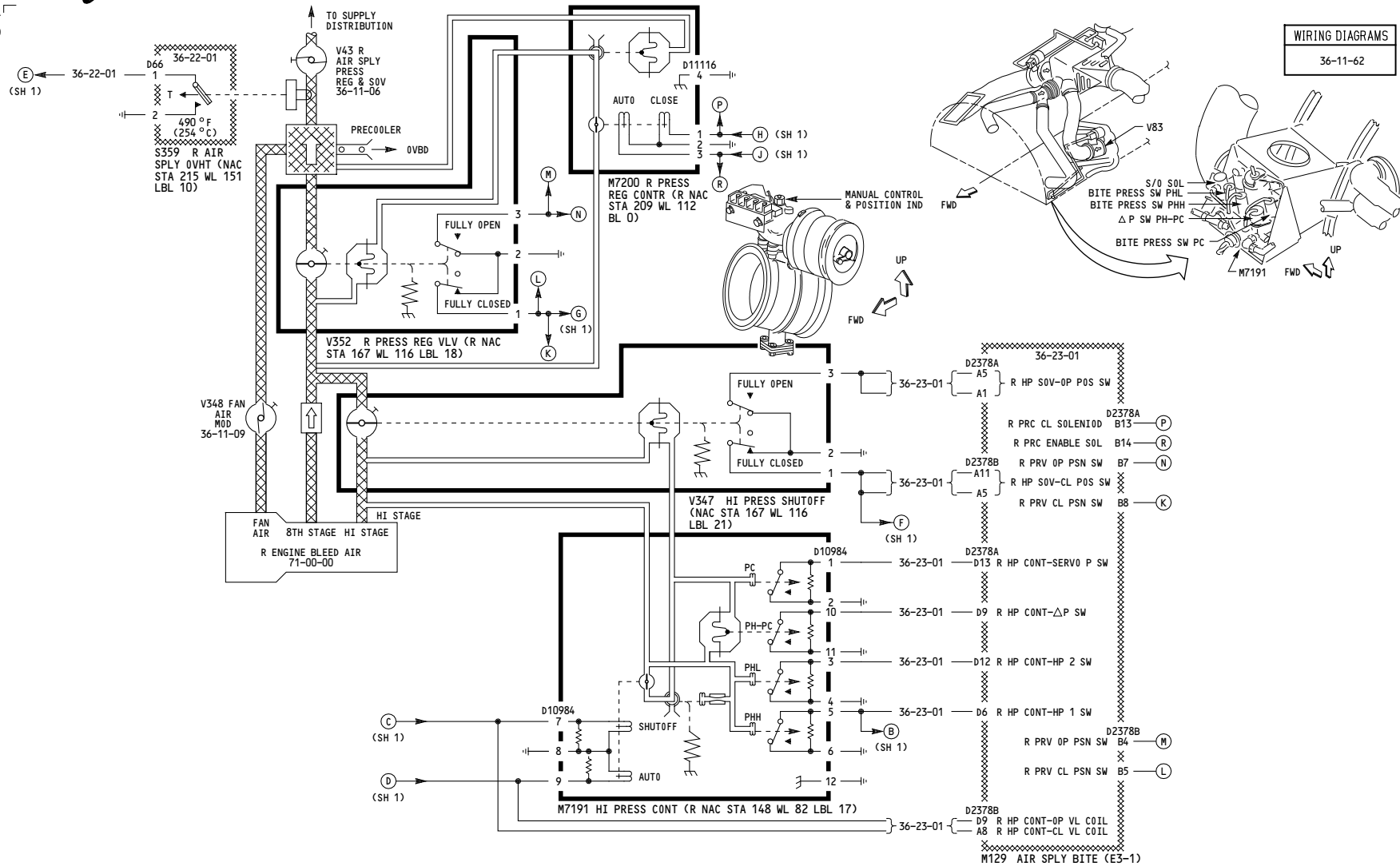
ENGINE HIGH PRESSURE CONTROL - RIGHT

D280T232

36-11-08

Page 104
Sheet 1
Jan 21/2005

-A
610



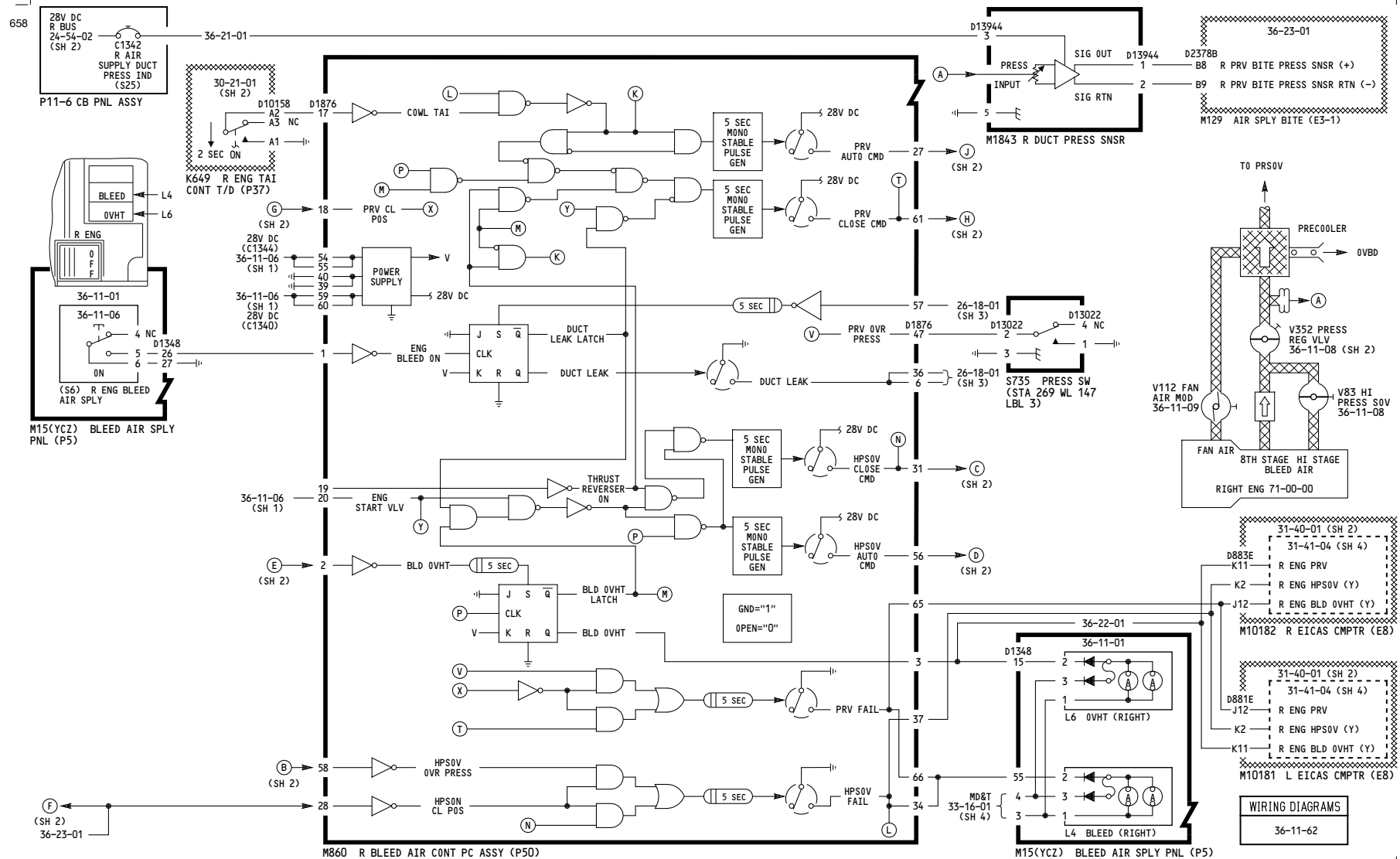
157, 167-199, 277-299

**ENGINE HIGH PRESSURE
CONTROL-
RIGHT**

D280T232

36-11-08

Page 104
Sheet 2
Jan 21/2005



ENGINE HIGH PRESSURE CONTROL - RIGHT

D280T232

36-11-08

Page 105
Sheet 1
Jan 21/2005

608

(E) (SH 1)

D11436 36-22-01
1
2
490 °F
(254 °C)
S359 R AIR
SPLY OVHT

TO SUPPLY
DISTRIBUTION

V43 R
AIR SPLY
PRESS.
REG & SOV
36-11-06

PRECOOLER

OVBD

FULLY OPEN 3 NC
FULLY CLOSED 1
(SH 1)

V352 R PRESS. REG VLV (R NAC STA 167,
WL 116, LBL 18)

AUTO
CLOSE
D11116 4
1
2
3
(SH 1)

M7200 R PRESS. REG
CONT (R NAC STA 209,
WL 112, BL 0)

AIR SUPPLY PRESSURE
REGULATING VALVE

HIGH PRESSURE
SHUTOFF VALVE

LEFT SIDE

MANUAL CONTROL
& POSITION IND

UP
FWD

V112 FAN
AIR
MOD
36-11-09

FAN AIR 8TH STAGE HI STAGE
R ENGINE BLEED AIR
71-00-00

HI STAGE

FULLY OPEN 3
FULLY CLOSED 2
1
(SH 1)

V347 HI PRESS. SHUTOFF
(RIGHT)

36-23-01
D2378A
-A5
-A1
R HP SOV-OP POS SW

36-23-01
D2378B
-A11
-A5
R HP SOV-CL POS SW

36-23-01
D2378A
-D13
R HP CONT-SERVO P SW

36-23-01
D9
R HP CONT-ΔP SW

36-23-01
D12
R HP CONT-HP 2 SW

36-23-01
D6
R HP CONT-HP 1 SW

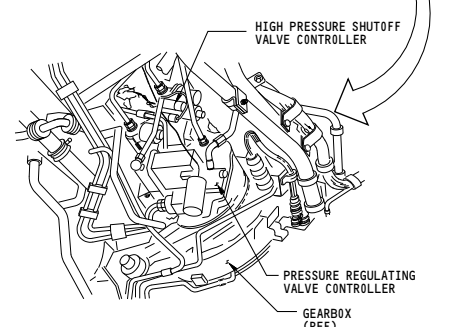
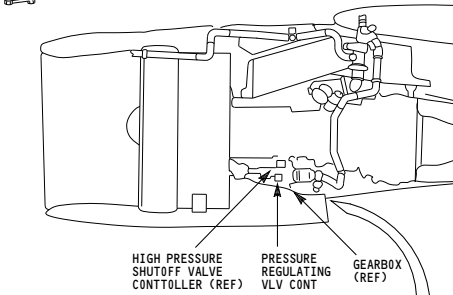
36-23-01
D2378B
D9
A8
R HP CONT-OP VL COIL
R HP CONT-CL VL COIL

M129 AIR SPLY BITE (E3-1)

(C) (SH 1)
(D) (SH 1)

D10984
7
8
9
SHUTOFF
AUTO.

M7191 HI PRESS. CONT (R NAC STA 148, WL 82, LBL 17)



275

**ENGINE HIGH PRESSURE
CONTROL-
RIGHT**

D280T232

36-11-08

Page 105
Sheet 2
Jan 21/2005



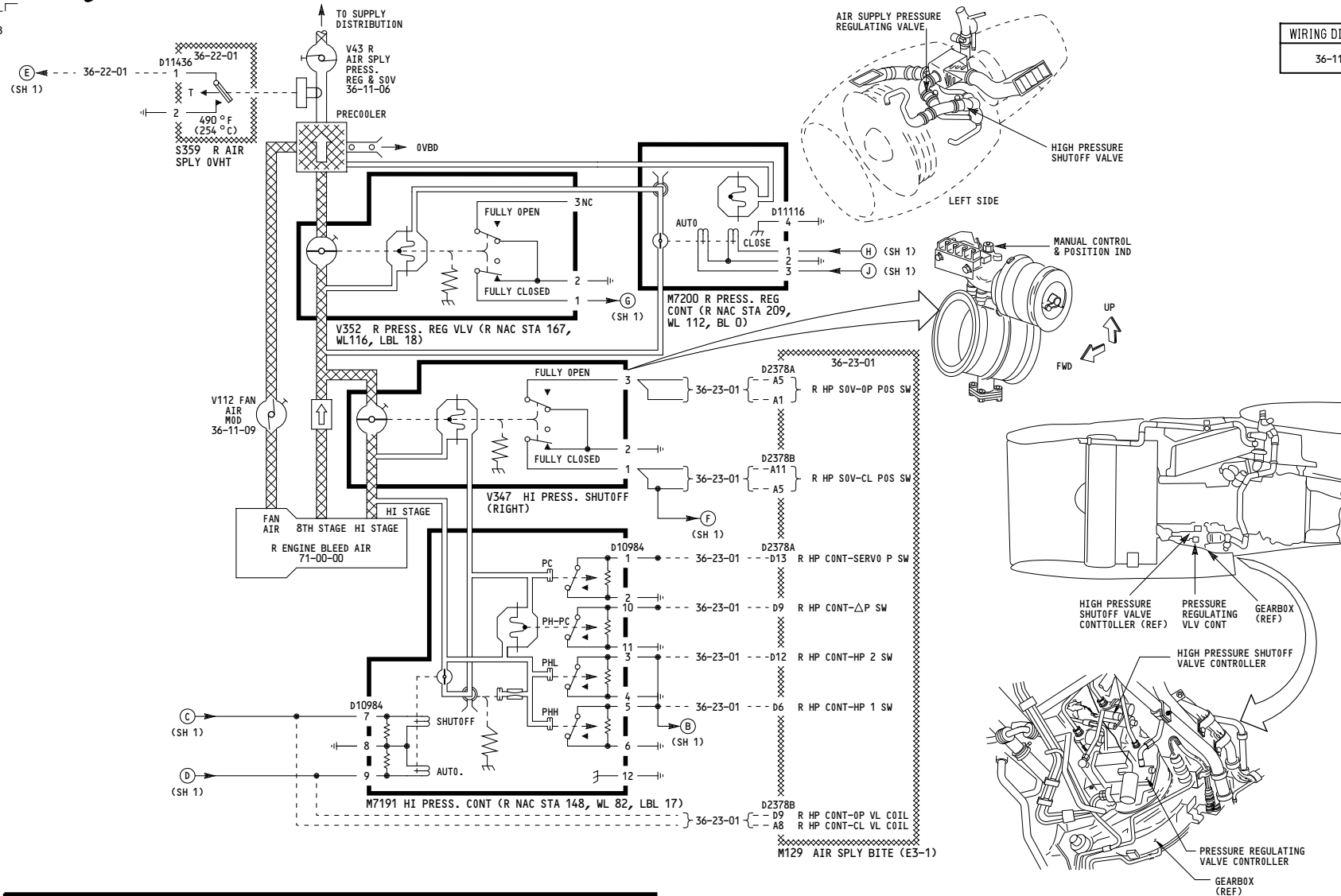
D280T232

Page 105.1
Sheet 1
Jan 21/2005



WIRING DIAGRAMS

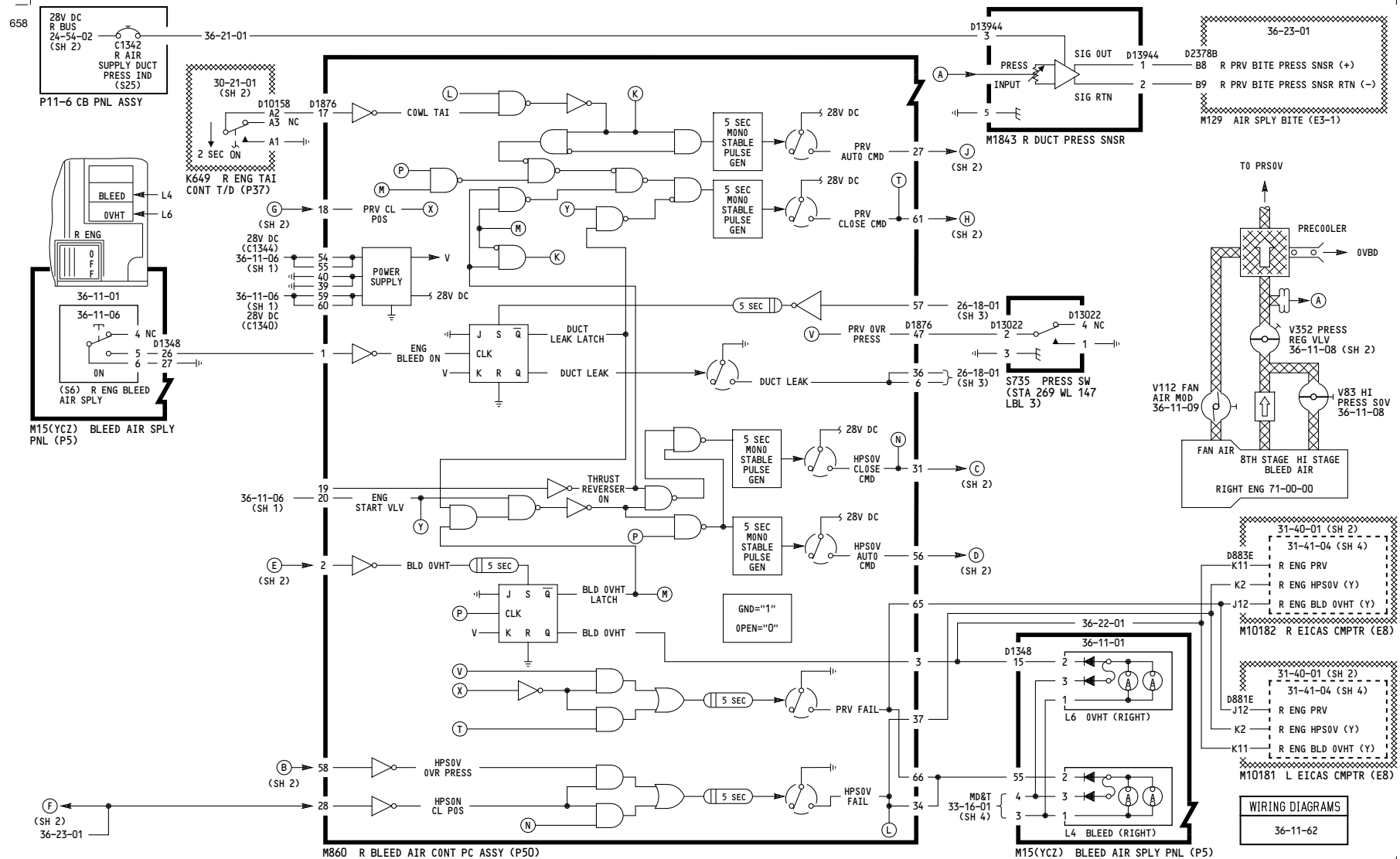
36-11-62



275

36-11-08

Page 105.1
Sheet 2
Jan 21/2005



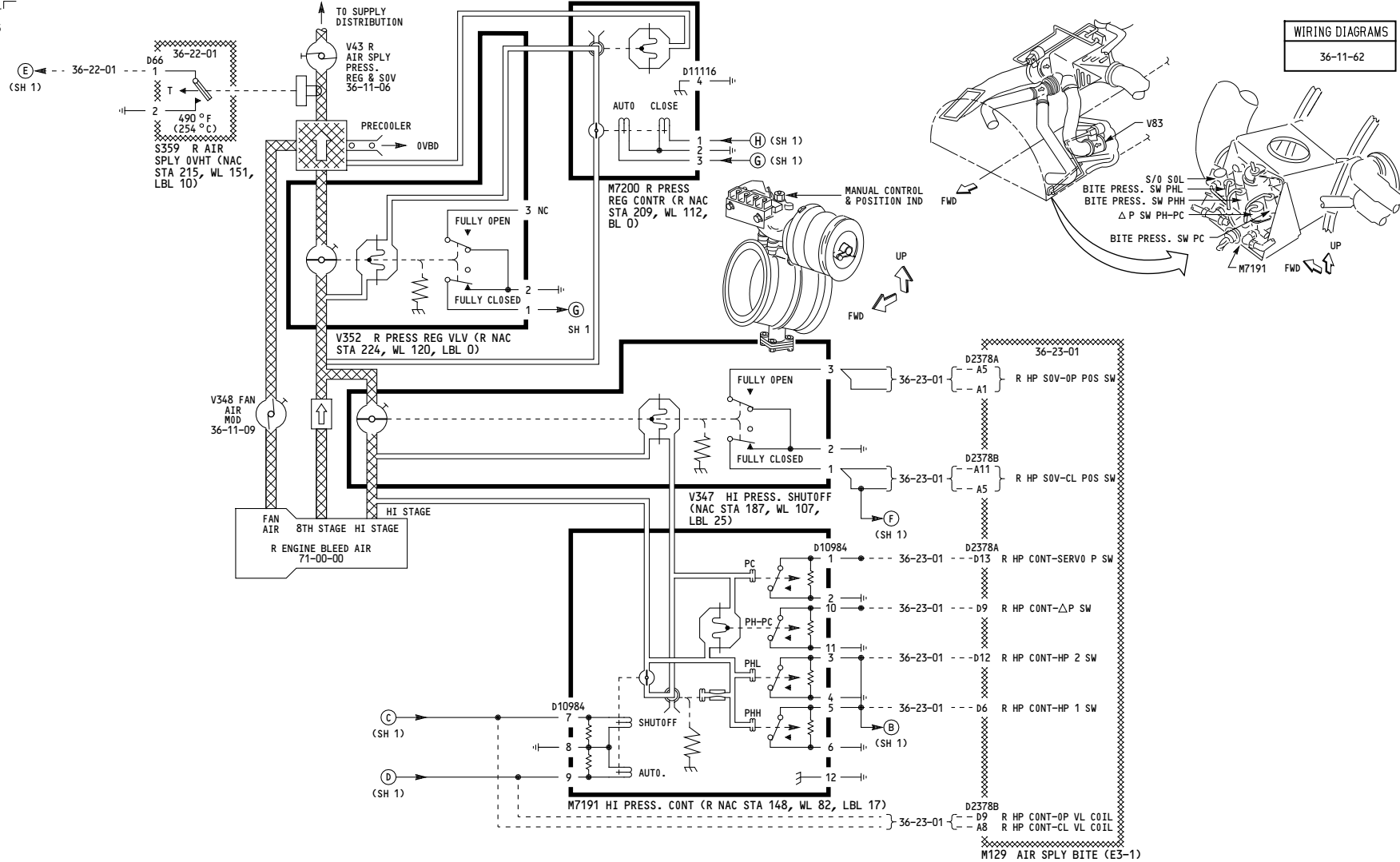
ENGINE HIGH PRESSURE CONTROL- RIGHT

D280T232

36-11-08

Page 106
Sheet 1
Jan 21/2005

605



WIRING DIAGRAMS
36-11-62

276

**ENGINE HIGH PRESSURE
CONTROL-
RIGHT**

D280T232

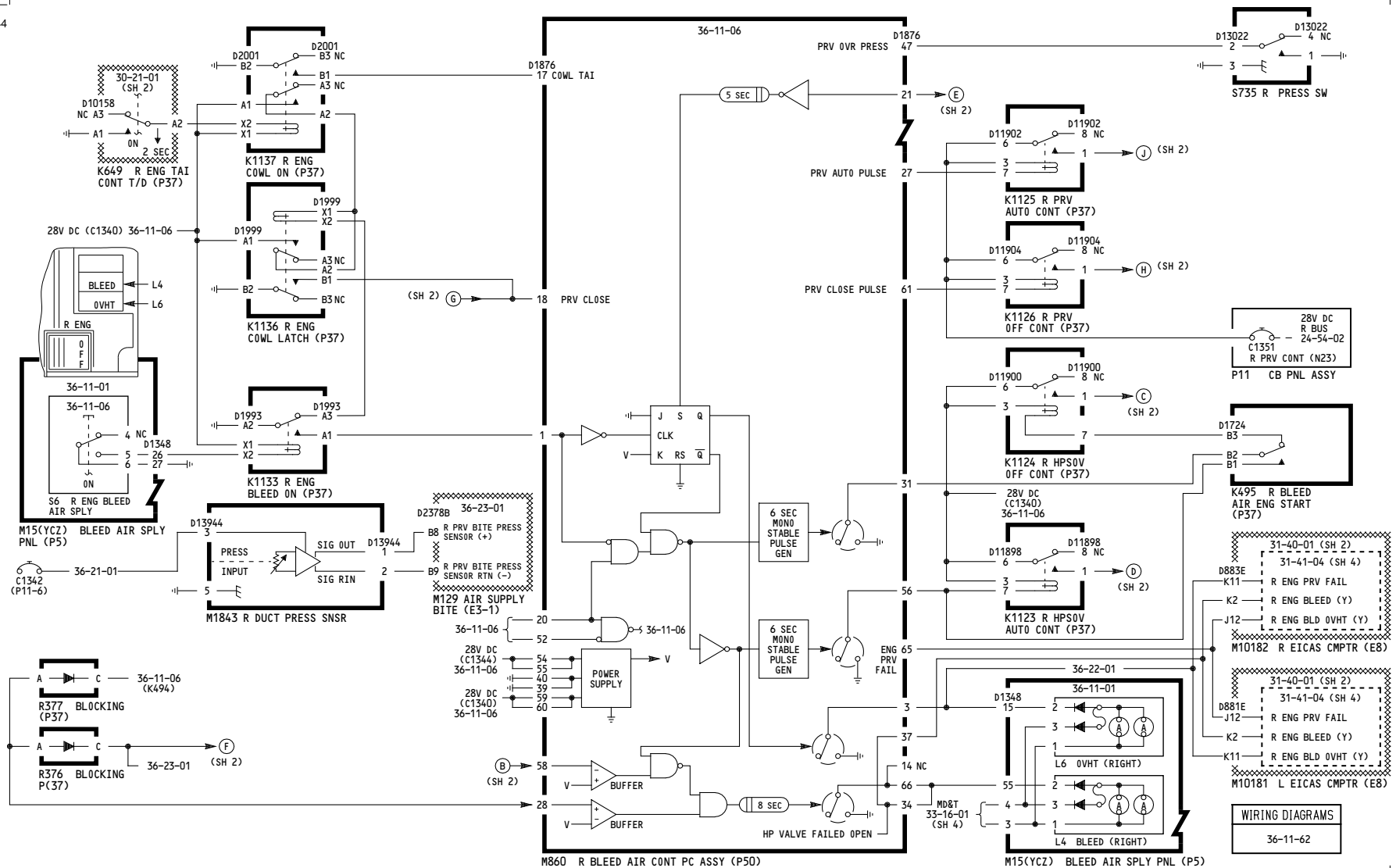
36-11-08

Page 106
Sheet 2
Jan 21/2005

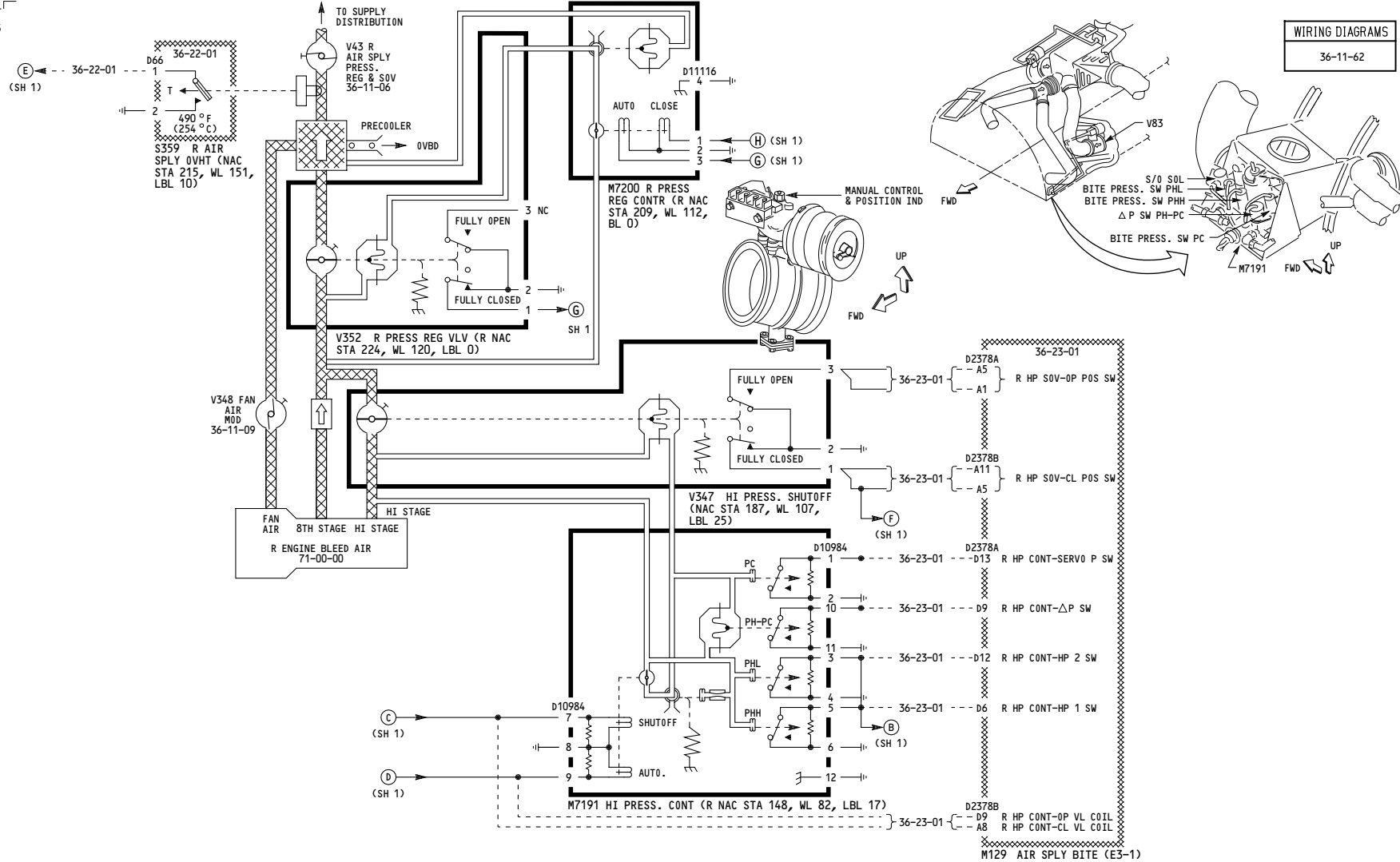
D280T232

36-11-08

BOEING PROPRIETARY - Copyright © - Unpublished Work - See title page for details.



605



WIRING DIAGRAMS
36-11-62

276

**ENGINE HIGH PRESSURE
CONTROL-
RIGHT**

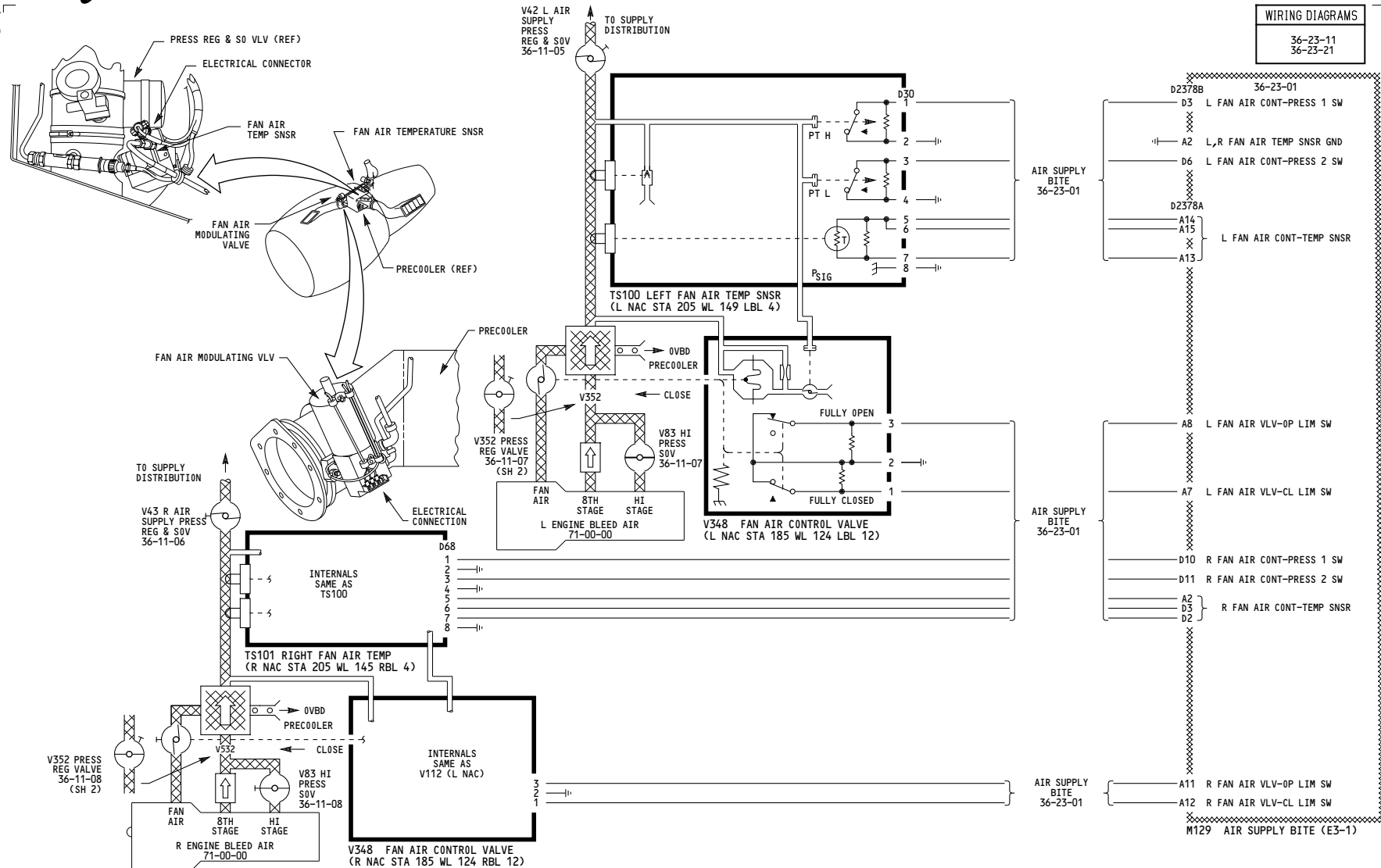
D280T232

36-11-08

Page 106.1
Sheet 2
Jan 21/2005

609

WIRING DIAGRAMS
36-23-11
36-23-21



050-099

FAN AIR VALVE CONTROL

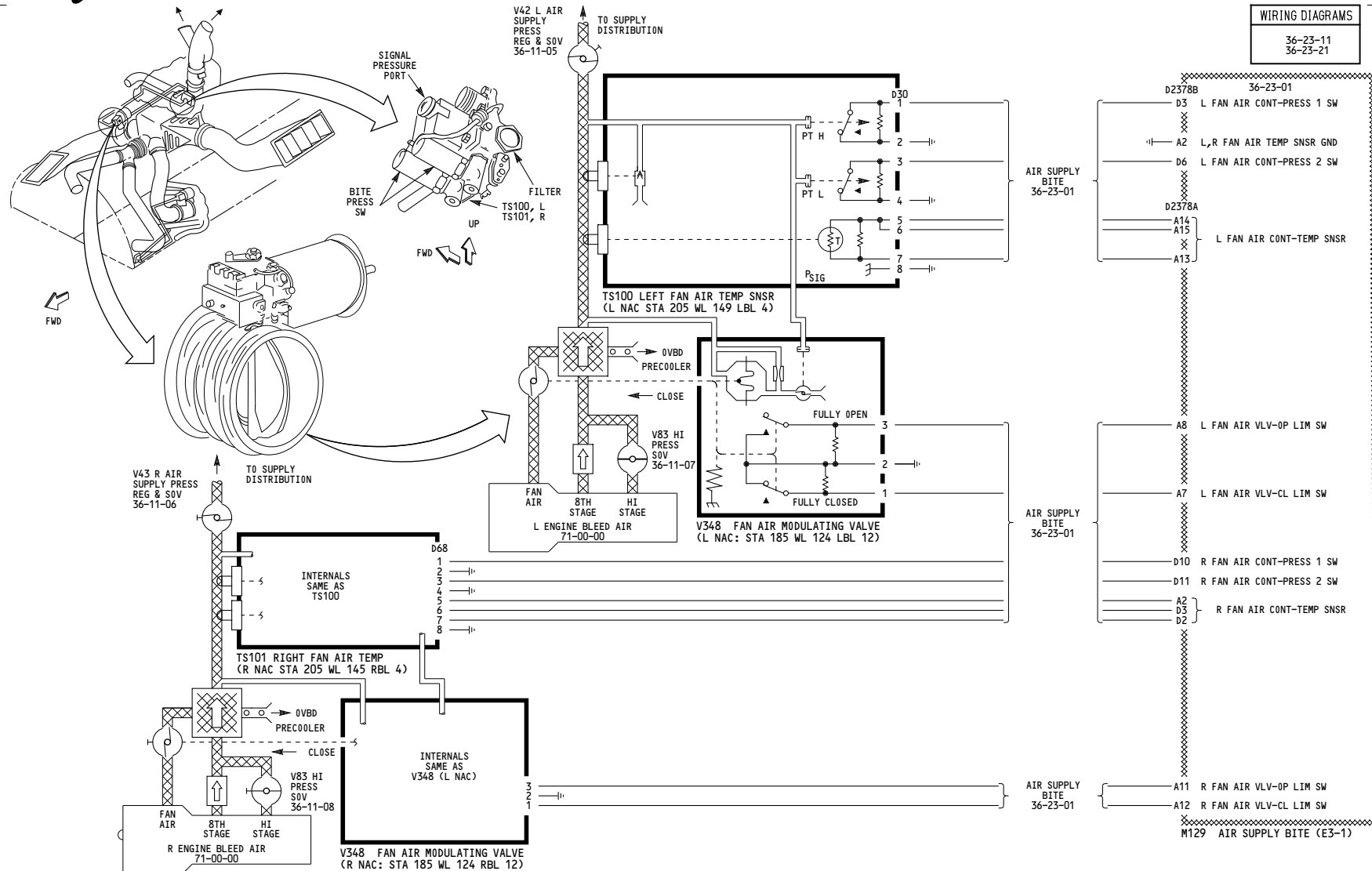
D280T232

36-11-09

Page 101

Jan 21/2005

-A
605



150-199, 275-299

FAN AIR VALVE CONTROL

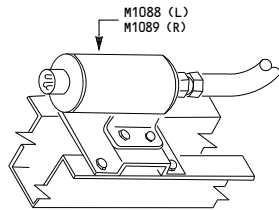
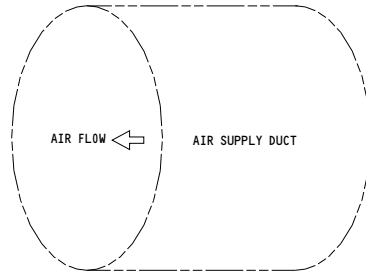
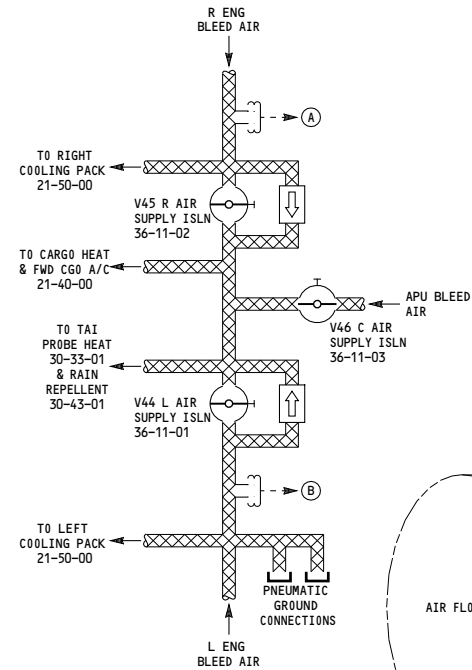
D280T232

36-11-09

Page 102

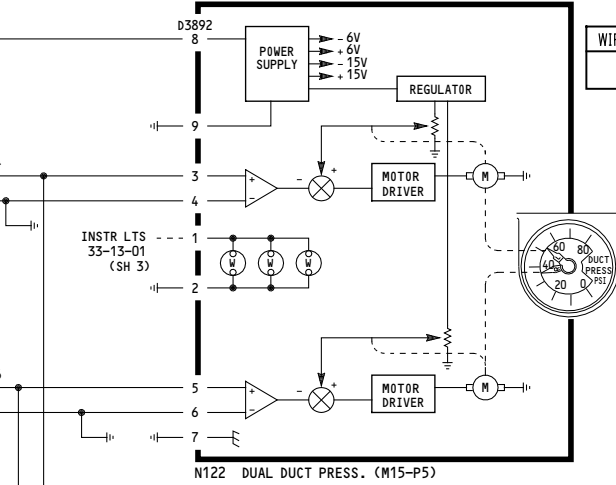
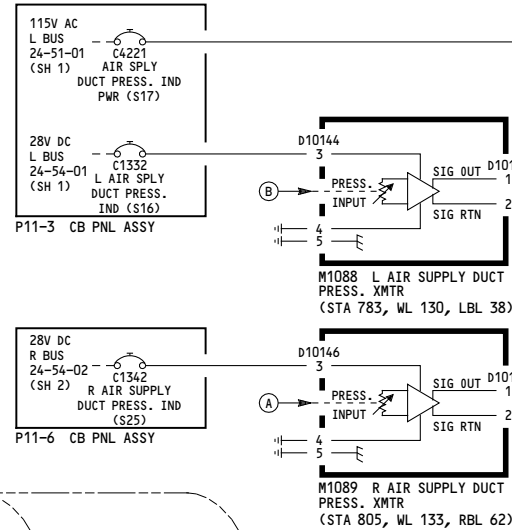
Jan 21/2005

611

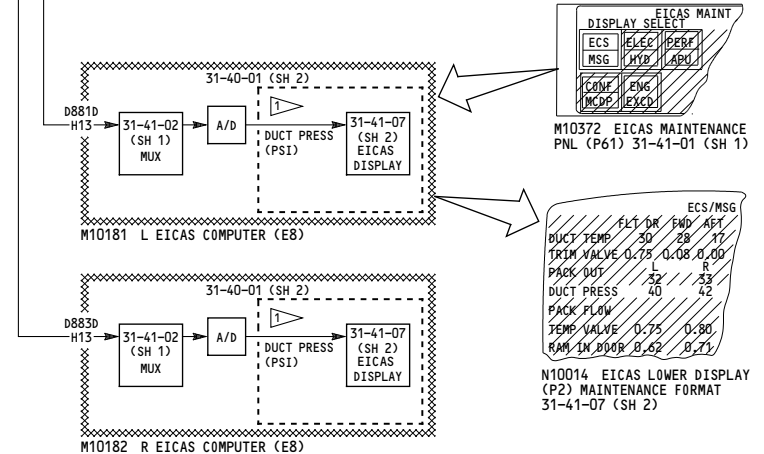


NOTES:
 OTHER DUCT PRESS. DERIVED FROM EICAS CROSS TALK BUS

AIR SUPPLY



WIRING DIAGRAMS
36-21-11



050-099

DUCT PRESSURE INDICATION

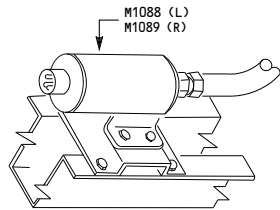
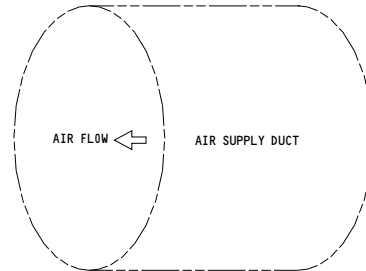
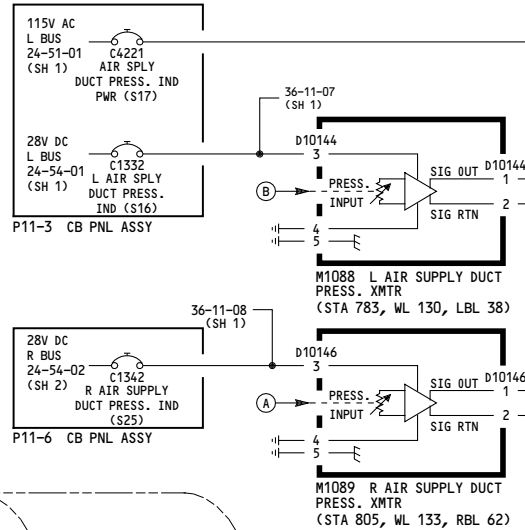
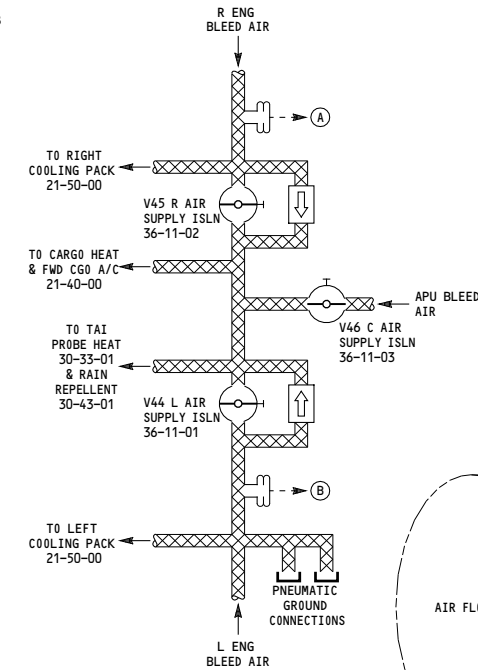
D280T232

36-21-01

Page 101

Jan 21/2005

623



NOTES:
1 OTHER DUCT PRESS. DERIVED FROM EICAS CROSS TALK BUS

XXXXX AIR SUPPLY

050-051

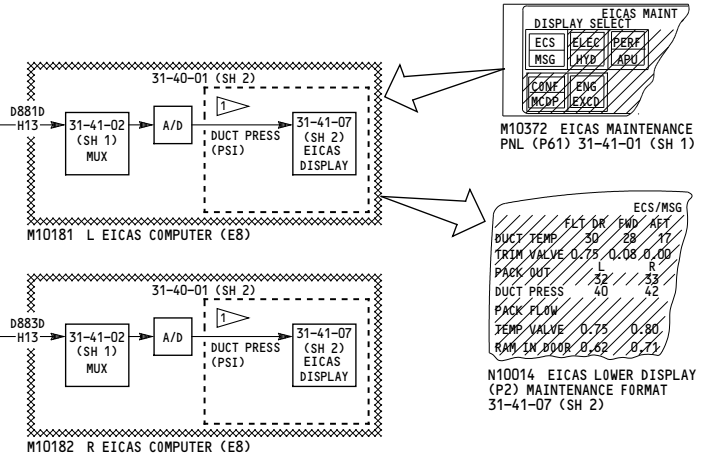
DUCT PRESSURE INDICATION

Incorporates
36-0029 R05

D280T232

WIRING DIAGRAMS

36-21-11

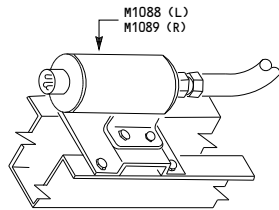
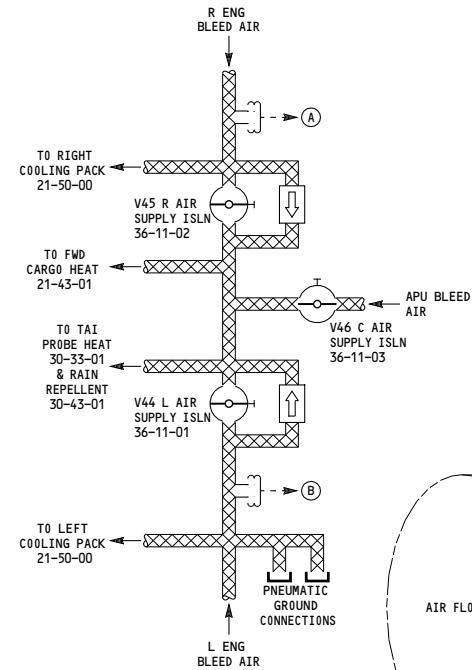


36-21-01

Page 101.1

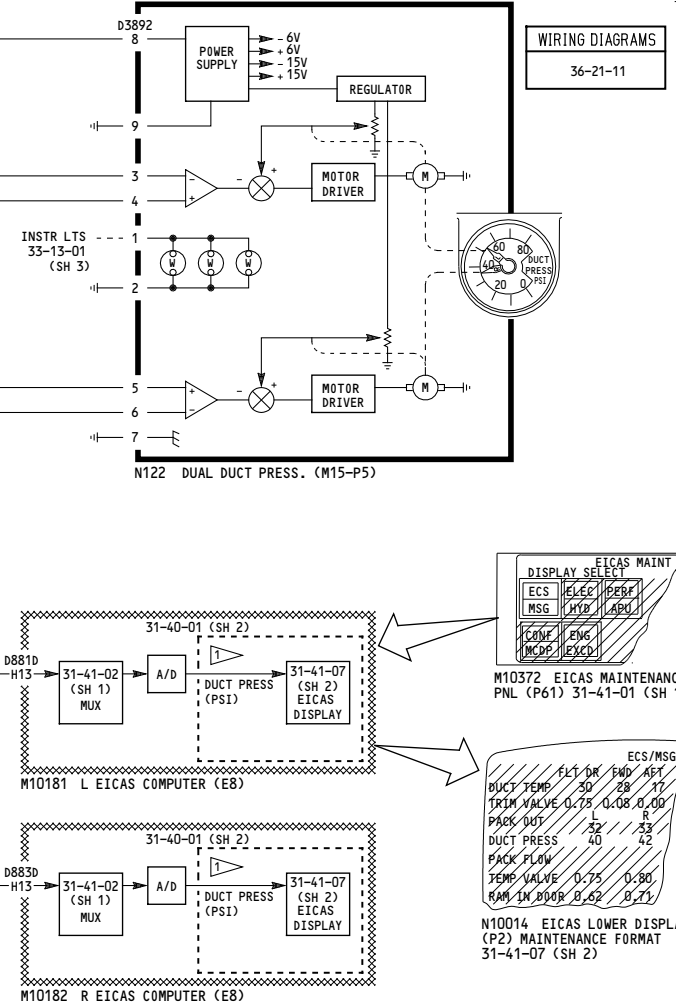
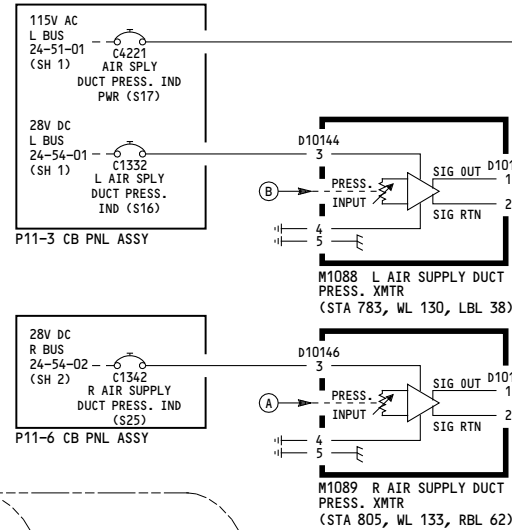
Jan 21/2005

612



NOTES:
 OTHER DUCT PRESS. DERIVED FROM EICAS CROSS TALK BUS

AIR SUPPLY



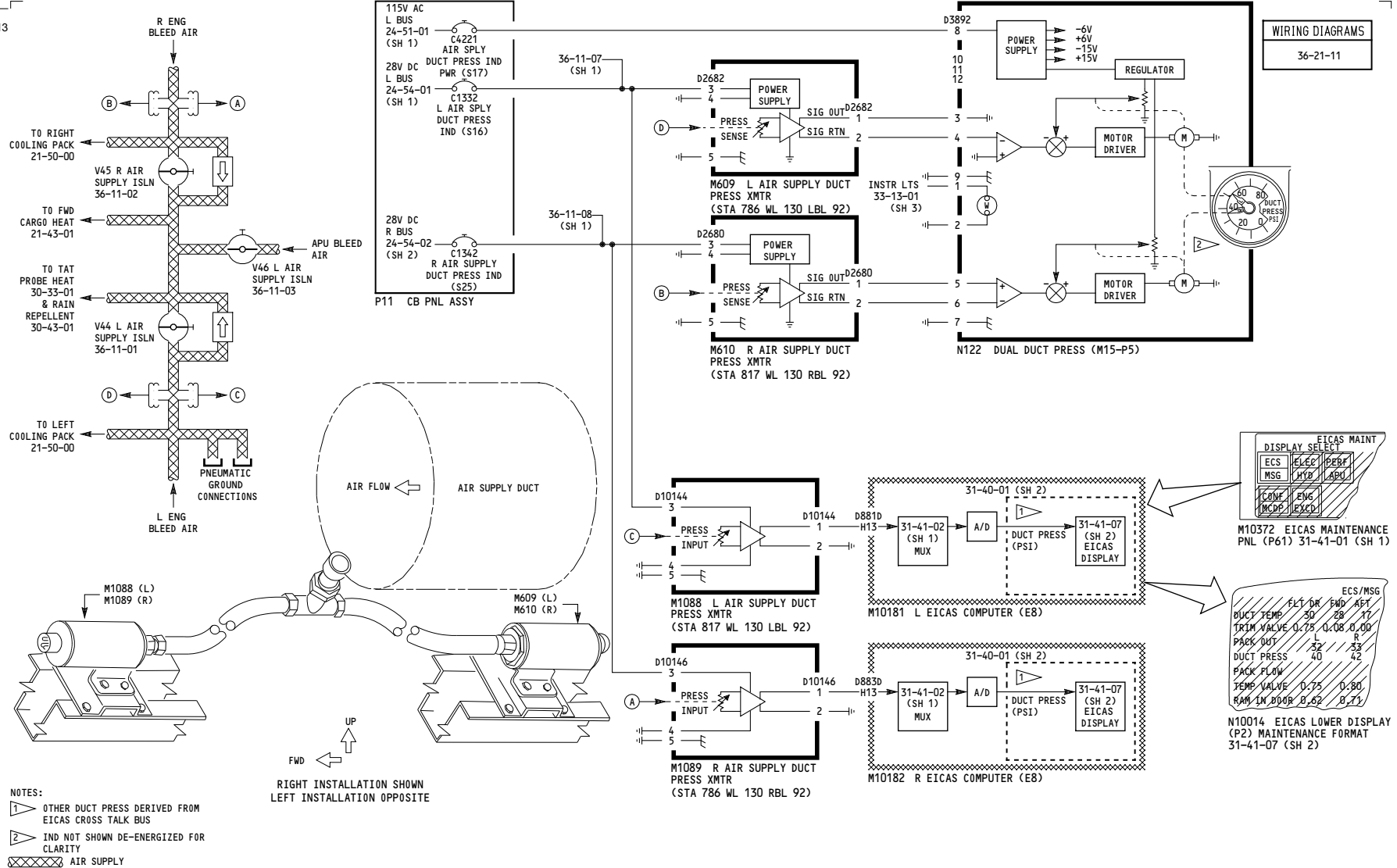
150-155, 162-165	DUCT PRESSURE INDICATION
	D280T232

36-21-01

Page 102

Jun 06/2008

613

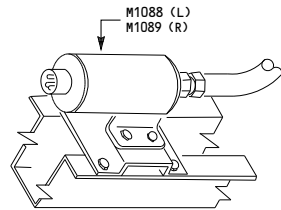
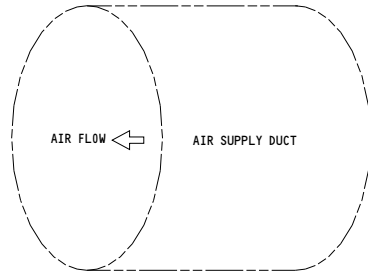
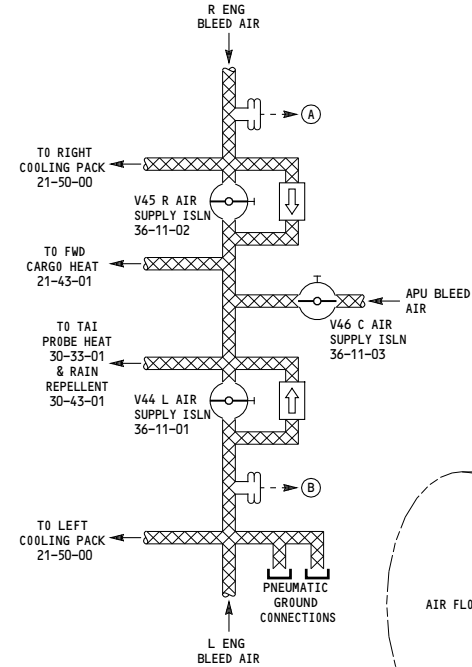


156-157, 166-199, 280-299

DUCT PRESSURE INDICATION

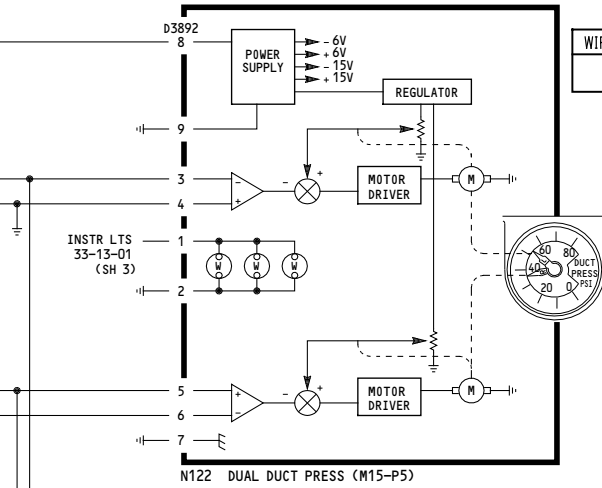
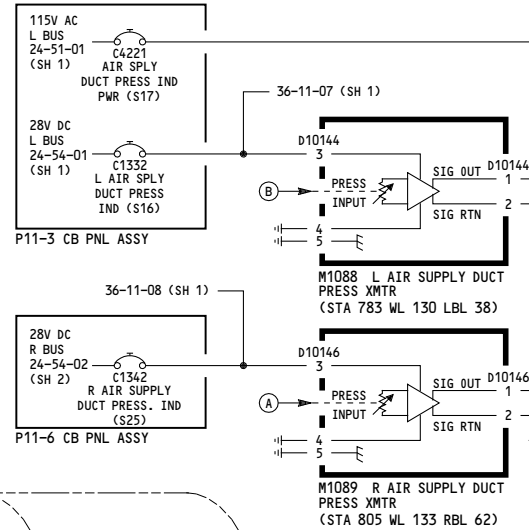
D280T232

619

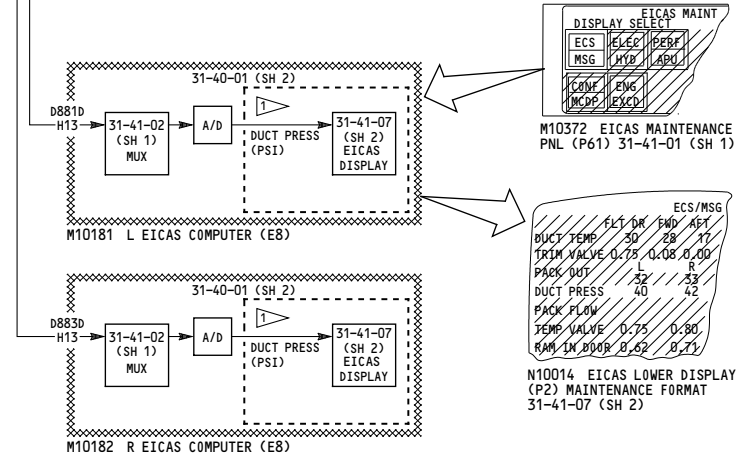


NOTES:
 OTHER DUCT PRESS DERIVED FROM EICAS CROSS TALK BUS

AIR SUPPLY



WIRING DIAGRAMS
36-21-11



275-278

DUCT PRESSURE INDICATION

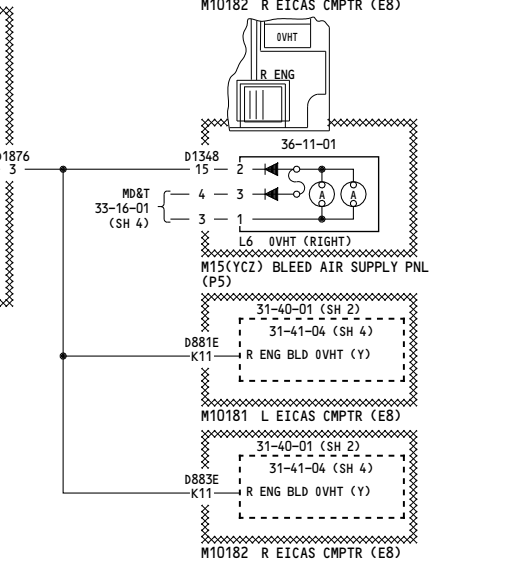
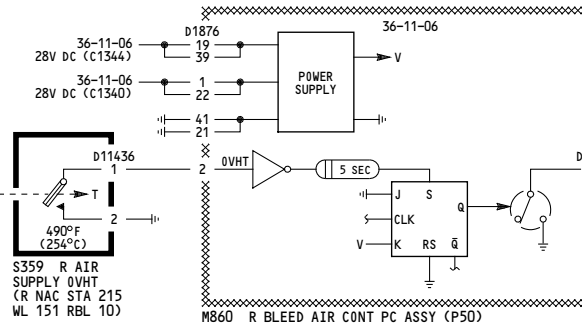
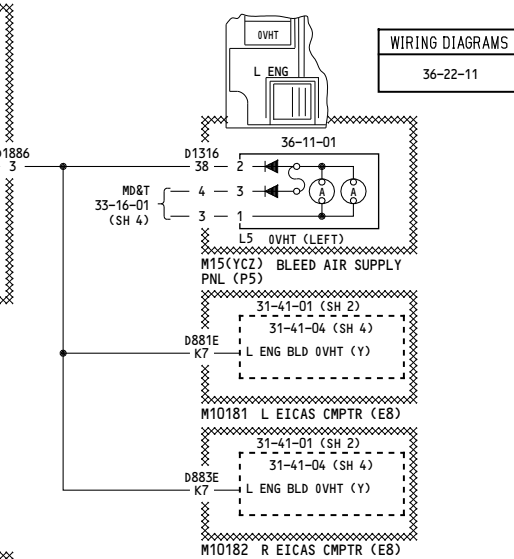
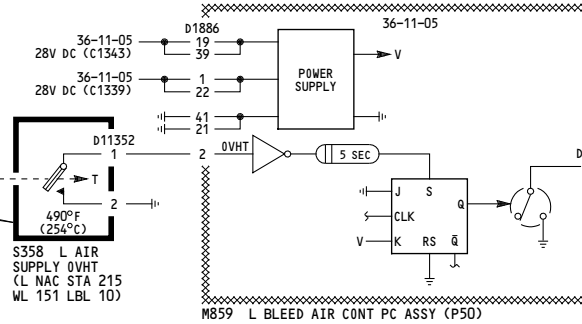
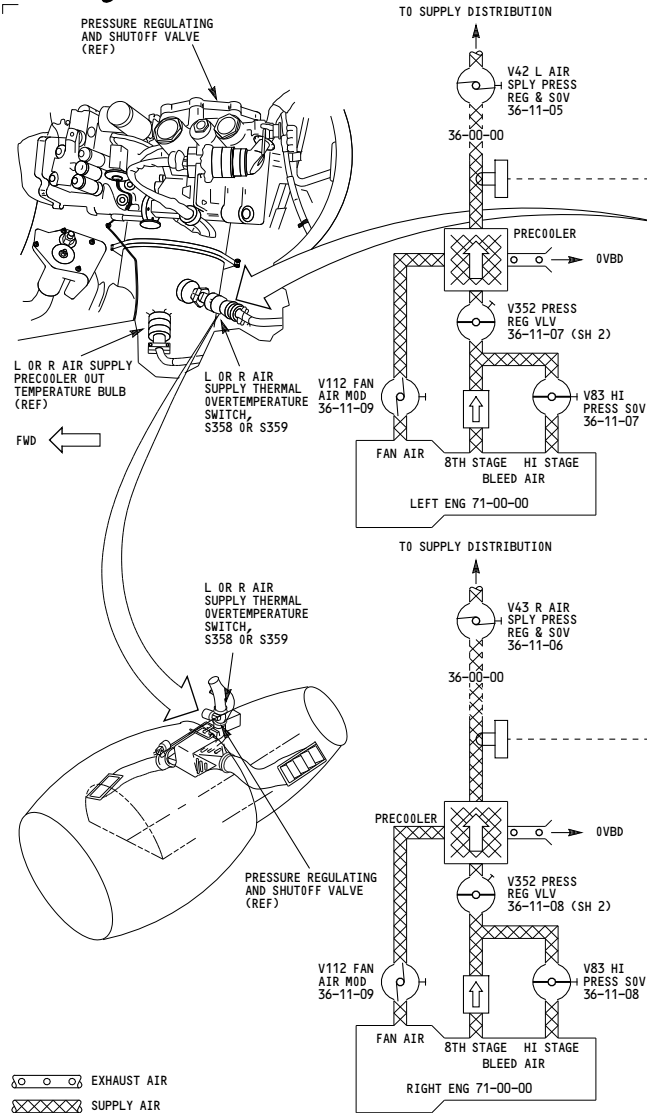
D280T232

36-21-01

Page 104

Jun 06/2008

614



050-099, 150-199, 280-299

AIR SUPPLY OVERHEAT INDICATION

D280T232

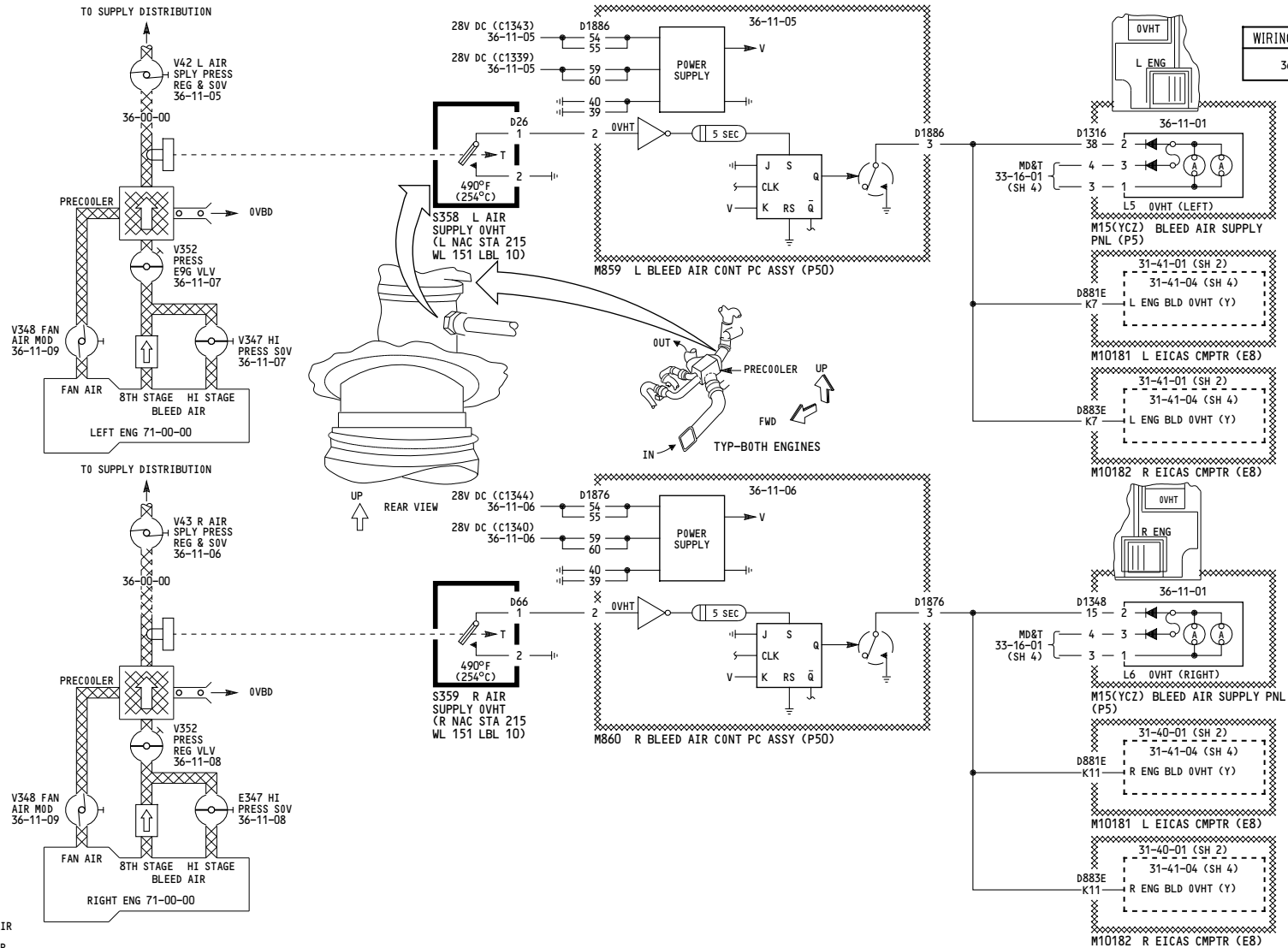
36-22-01

Page 101

Jan 21/2005

-A
615

WIRING DIAGRAMS
36-22-11



275-278

**AIR SUPPLY
OVERHEAT INDICATION**

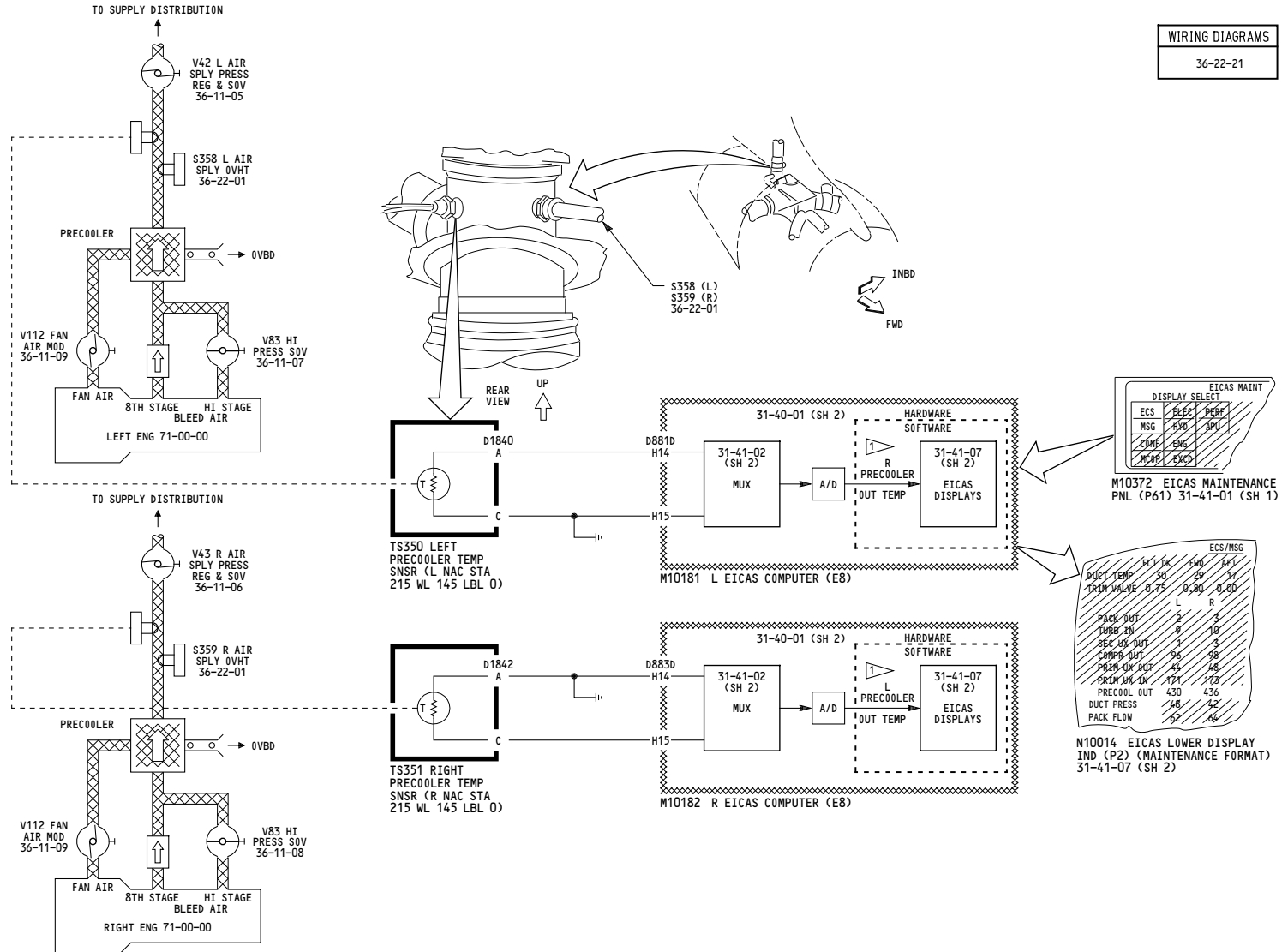
36-22-01

Page 102

Jan 21/2005

D280T232

605



ALL

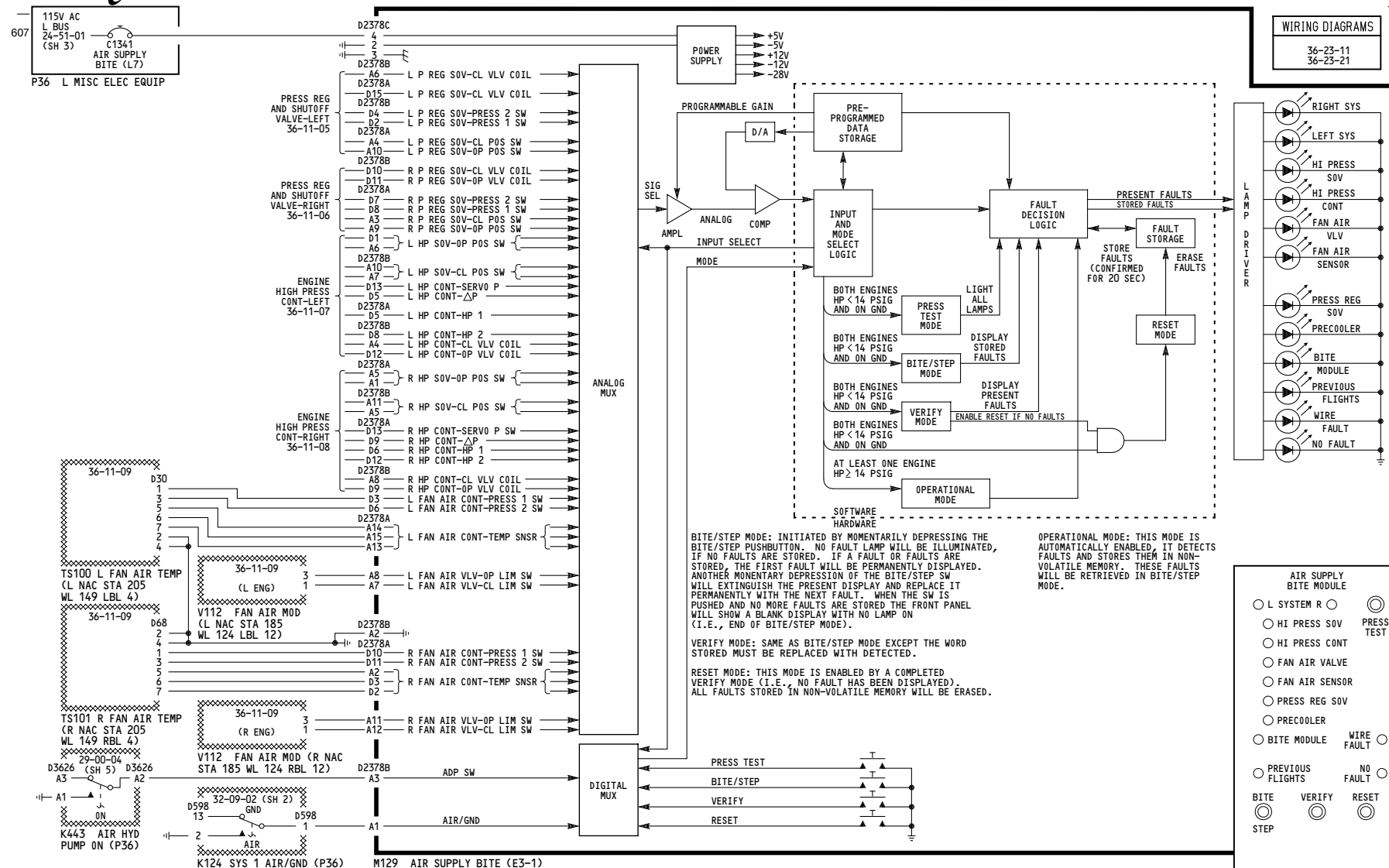
AIR SUPPLY PRECOOLER TEMPERATURE INDICATION

D280T232

36-22-02

Page 101

Jan 21/2005



050-099, 150-155, 163-165, 275-276

AIR SUPPLY BITE

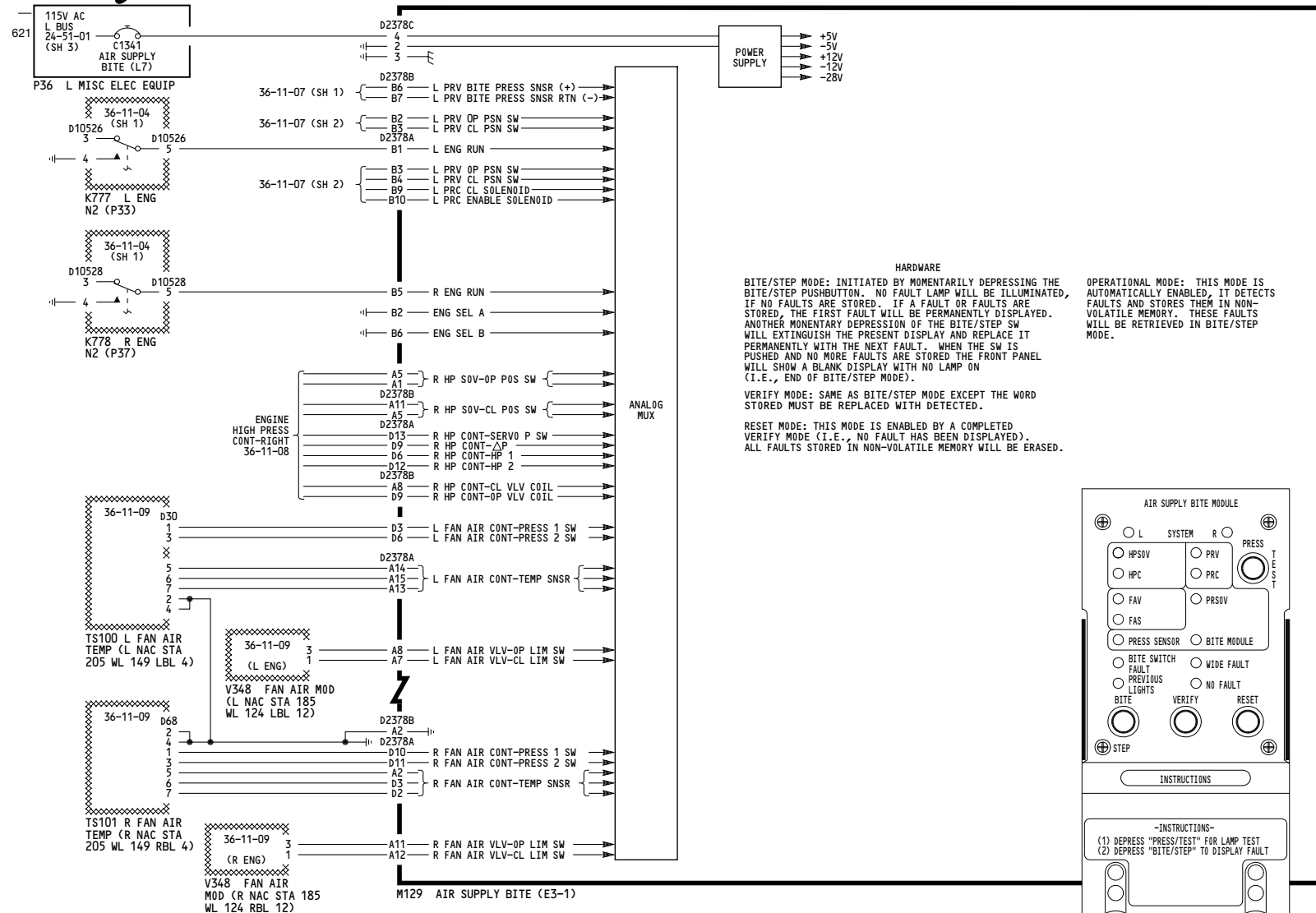
D280T232

36-23-01

Page 101

Jan 21/2005

THIS PAGE INTENTIONALLY LEFT BLANK



WIRING DIAGRAMS
36-23-11 36-23-21

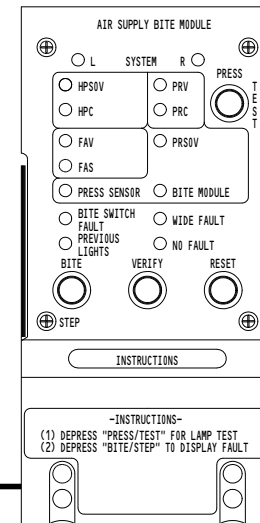
HARDWARE

BYTE/STEP MODE: INITIATED BY MOMENTARILY DEPRESSING THE BYTE/STEP PUSHBUTTON. NO FAULT LAMP WILL BE ILLUMINATED IF NO FAULTS ARE STORED. IF A FAULT OR FAULTS ARE STORED, THE FIRST FAULT WILL BE PERMANENTLY DISPLAYED. ANOTHER MOMENTARY DEPRESSION OF THE BYTE/STEP SW WILL EXTINGUISH THE PRESENT DISPLAY AND REPLACE IT PERMANENTLY WITH THE NEXT FAULT. WHEN THE SW IS DEPRESSSED AND NO MORE FAULTS ARE STORED THE FRONT PANEL WILL SHOW A BLANK DISPLAY WITH NO LAMP ON (I.E., END OF BYTE/STEP MODE).

VERIFY MODE: SAME AS BYTE/STEP MODE EXCEPT THE WORD STORED MUST BE REPLACED WITH DETECTED.

RESET MODE: THIS MODE IS ENABLED BY A COMPLETED VERIFY MODE (I.E., NO FAULT HAS BEEN DISPLAYED). ALL FAULTS STORED IN NON-VOLATILE MEMORY WILL BE ERASED.

OPERATIONAL MODE: THIS MODE IS AUTOMATICALLY ENABLED, IT DETECTS FAULTS AND STORES THEM IN NON-VOLATILE MEMORY. THESE FAULTS WILL BE RETRIEVED IN BITE/STEP MODE.



050-155, 163-165, 275-276

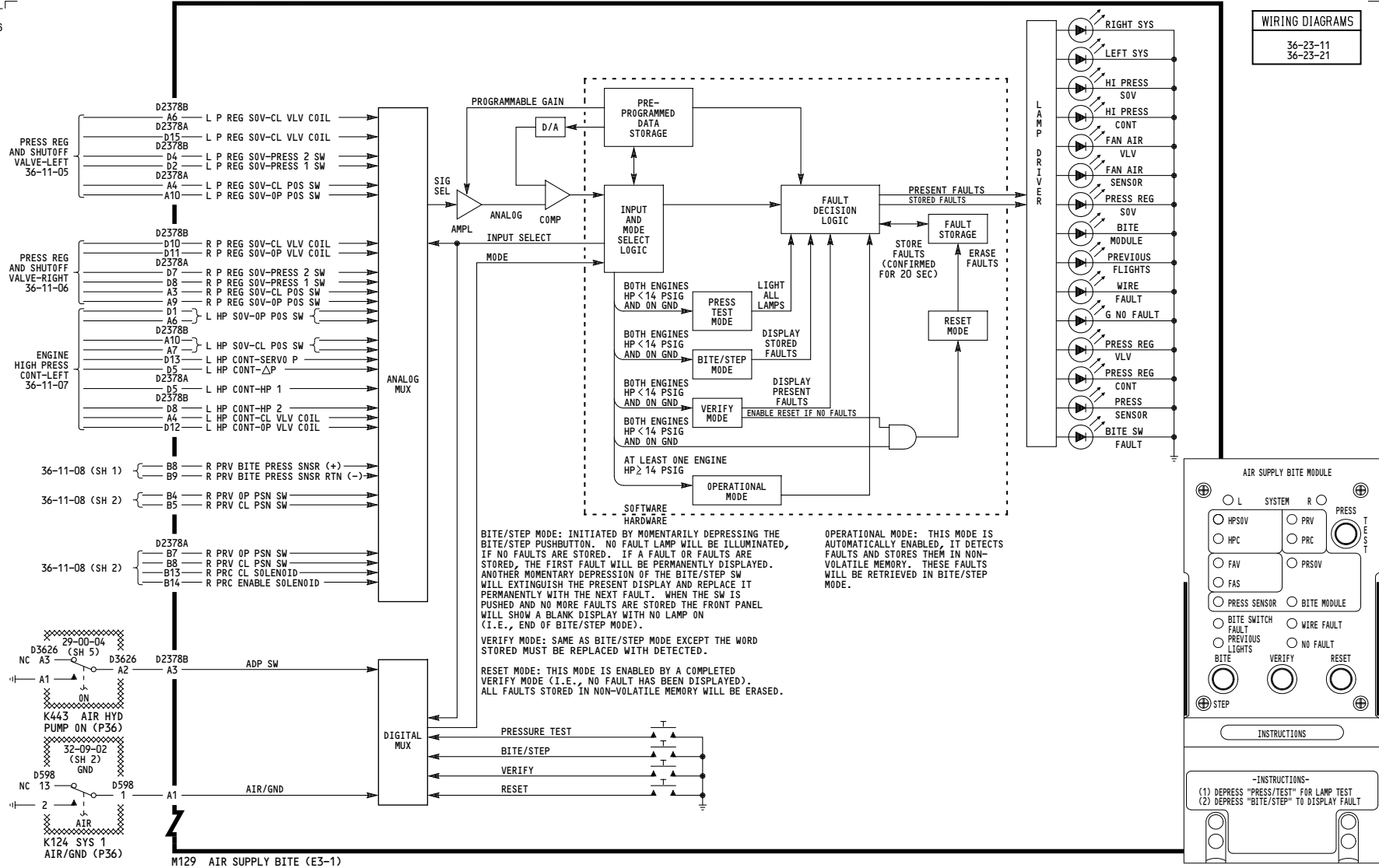
AIR SUPPLY BITE

Incorporates
▶ 36-0029 R05

D280T232

36-23-01

Page 101.1
Sheet 1
Jan 21/2005



050-155, 163-165, 275-276

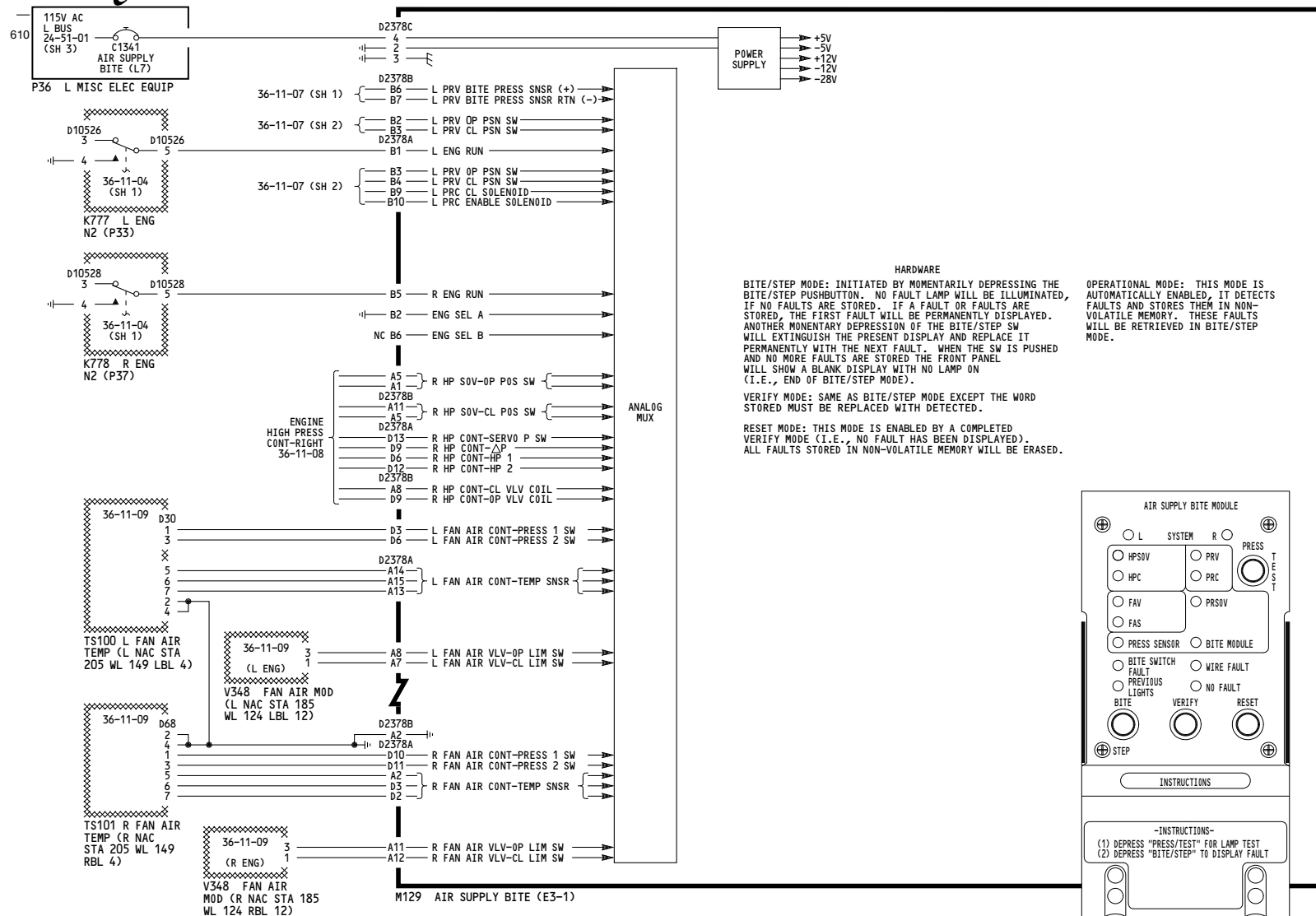
AIR SUPPLY BITE

Incorporates
36-0029 R05

D280T232

36-23-01

Page 101.1
Sheet 2
Jan 21/2005



156-157, 166-199, 277-299

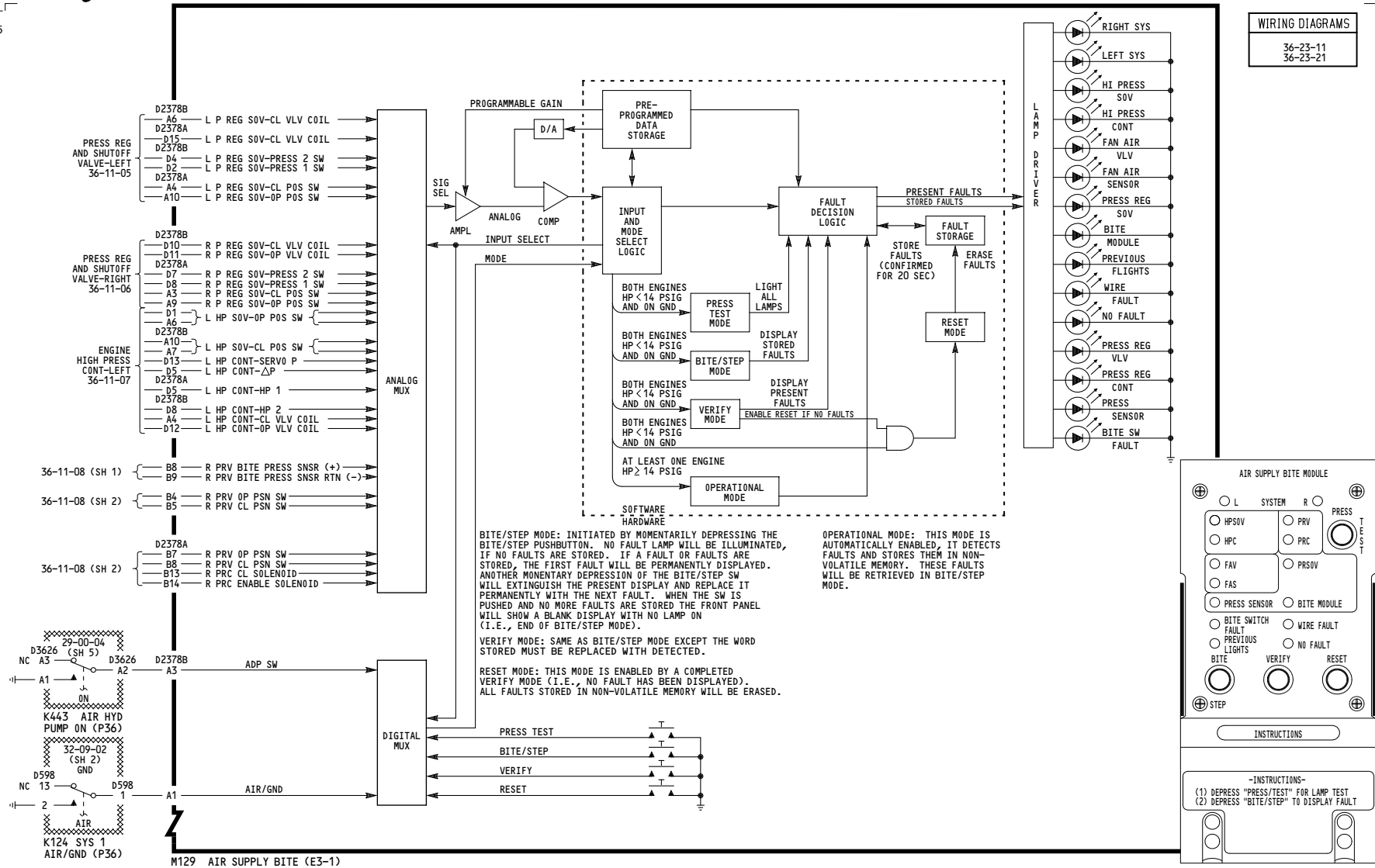
AIR SUPPLY BITE

D280T232

36-23-01

Page 102
Sheet 1
Jan 21/2005

605

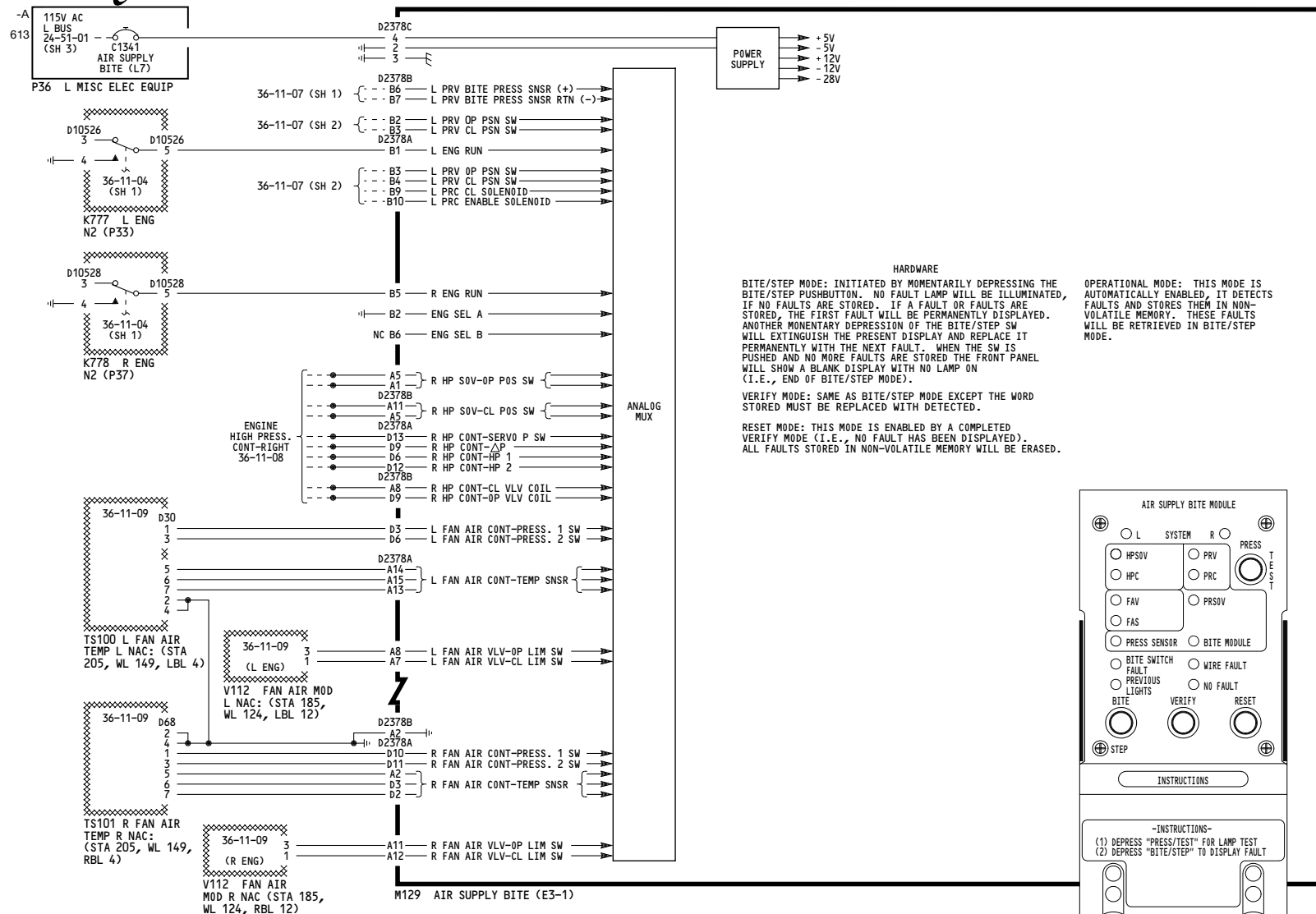


156-157, 166-199, 277-299

AIR SUPPLY BITE

36-23-01

D280T232



162

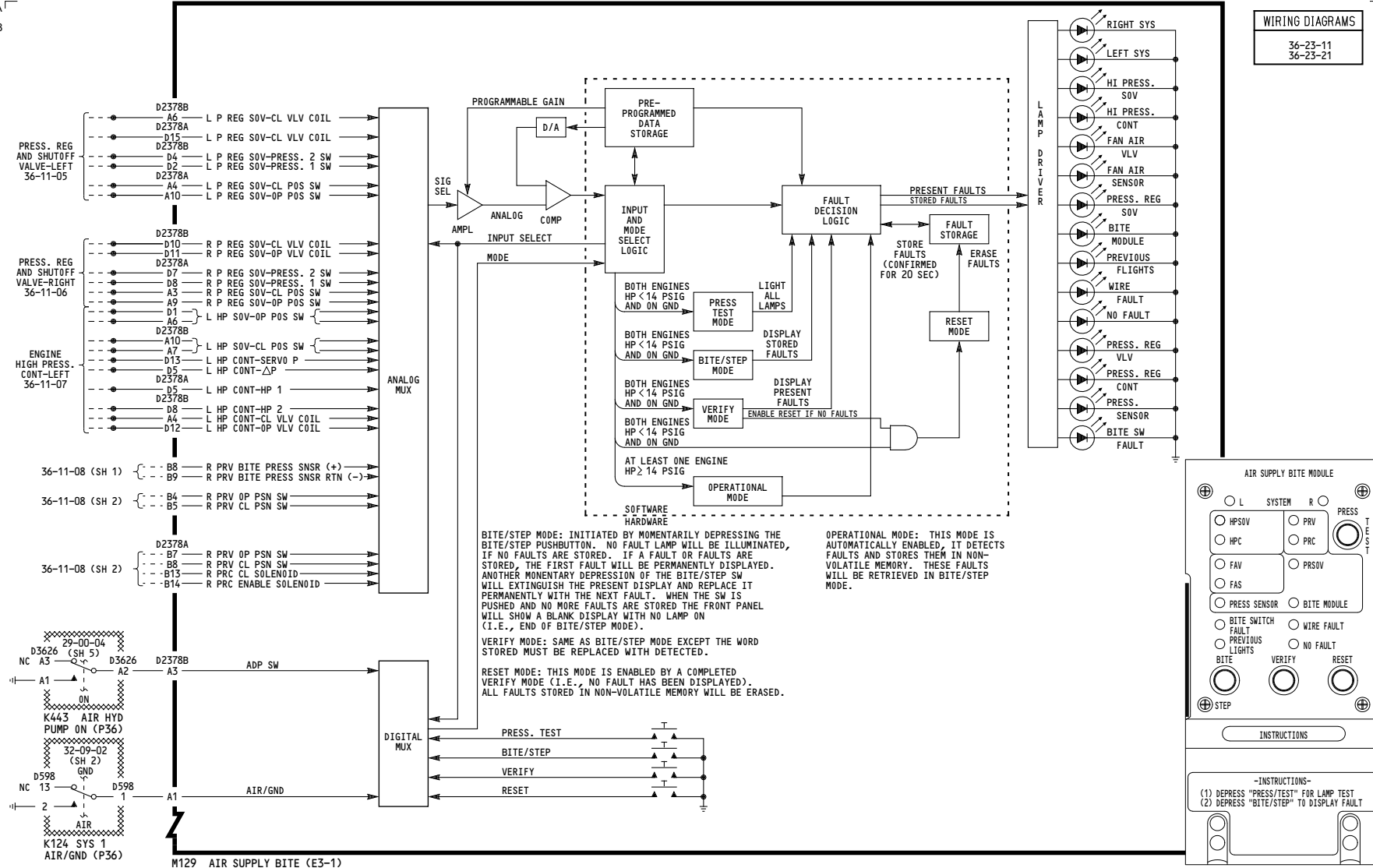
AIR SUPPLY BITE

D280T232

36-23-01

Page 103
Sheet 1
Jan 21/2005

608



162

AIR SUPPLY BITE

D280T232

36-23-01

Page 103
Sheet 2
Jan 21/2005