

CHAPTER

28

FUEL



CHAPTER 28
FUEL

CH-SC-SU	Schem	Page	Sheet	Date	CH-SC-SU	Schem	Page	Sheet	Date
28-EFFECTIVE PAGES					28-21-01				
		1 thru 3		Aug 05/2009			101	1	Jan 21/2005
		4		BLANK				2	Jan 21/2005
28-CONTENTS							101.1	1	Jan 21/2005
		1		Mar 14/2007				2	Jan 21/2005
R		2		Aug 05/2009	28-22-01				
R		3		Aug 05/2009			101	1	Mar 14/2007
		4		Feb 06/2009				2	Mar 14/2007
		5		Feb 06/2009				3	Mar 14/2007
		6		BLANK				4	Mar 14/2007
28-ALPHABETICAL INDEX							101.1	1	Feb 06/2009
		1		Jun 28/2006				2	Feb 06/2009
		2		BLANK	R			3	Aug 05/2009
28-00-00								4	Feb 06/2009
		101	1	Jan 21/2005				5	Feb 06/2009
			2	Jan 21/2005			101.2	1	Feb 06/2009
		101.1	1	Jan 21/2005				2	Feb 06/2009
			2	Jan 21/2005	R			3	Aug 05/2009
		102	1	Jan 21/2005				4	Feb 06/2009
			2	Jan 21/2005				5	Feb 06/2009
		102.1	1	Jan 21/2005			101.3	1	Feb 06/2009
			2	Jan 21/2005				2	Feb 06/2009
28-13-01					R			3	Aug 05/2009
		101		Jan 21/2005				4	Feb 06/2009

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

28-EFFECTIVE PAGES



CHAPTER 28
FUEL

CH-SC-SU	Schem	Page	Sheet	Date	CH-SC-SU	Schem	Page	Sheet	Date
		28-22-01 (cont.)					101.3		
			5	Feb 06/2009				4	Sep 04/2008
		101.4	1	Feb 06/2009			104	1	Mar 14/2007
			2	Feb 06/2009				2	Mar 14/2007
R			3	Aug 05/2009				3	Mar 14/2007
			4	Feb 06/2009				4	Mar 14/2007
			5	Feb 06/2009		28-25-01			
		102	1	Jan 21/2005			101		Jan 21/2005
			2	Jan 21/2005			101.1		Sep 04/2008
			3	Jan 21/2005			102.1		Jan 21/2005
			4	Jan 21/2005			102.2		Sep 04/2008
		102.1	1	Mar 14/2007			103		Sep 04/2008
			2	Mar 14/2007			104.1		Jan 21/2005
R			3	Aug 05/2009			104.2		Sep 04/2008
			4	Sep 04/2008		28-26-01			
			5	Mar 07/2008			101		Mar 07/2008
		102.2	1	Mar 14/2007		28-31-01			
			2	Mar 14/2007			101		Mar 07/2008
R			3	Aug 05/2009			101.1		Jan 21/2005
			4	Mar 14/2007		28-31-02			
			5	Mar 07/2008			101		Jan 21/2005
		103	1	Jan 21/2005			102		Jan 21/2005
			2	Jan 21/2005			103		Jun 28/2006
			3	Jan 21/2005			103.1		Jun 28/2006

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

28-EFFECTIVE PAGES

Page 2
Aug 05/2009

D280T232



CHAPTER 28
FUEL

CH-SC-SU	Schem	Page	Sheet	Date	CH-SC-SU	Schem	Page	Sheet	Date
28-40-01		101		Jan 21/2005					
		101.1		Jan 21/2005					
28-41-01		101	1	Jan 21/2005					
			2	Jan 21/2005					
		101.1	1	Mar 14/2007					
			2	Jan 21/2005					
		102	1	Jan 21/2005					
			2	Jan 21/2005					
28-41-02									
		101		Jan 21/2005					
28-41-03									
		101		Jan 21/2005					
28-43-01									
		101		Jan 21/2005					

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

28-EFFECTIVE PAGES

Page 3
Aug 05/2009

D280T232



CHAPTER 28
FUEL

Title	CH-SC-SU	Schem	Page	Sheet	Date	Effectivity	
<u>FUEL</u>							
FUEL- SIMPLIFIED	28-00-00		101	1	Jan 21/2005	050-099 155-199 276-299	
					2	Jan 21/2005	050-099 155-199 276-299
			101.1		1	Jan 21/2005	050-051 155-167 276-280
					2	Jan 21/2005	050-051 155-167 276-280
			102		1	Jan 21/2005	150-154 275
					2	Jan 21/2005	150-154 275
			102.1		1	Jan 21/2005	150-154 275
					2	Jan 21/2005	150-154 275
<u>FUEL TANK VENT SYSTEM</u>							
FUEL VENT	28-13-01		101		Jan 21/2005	ALL	
<u>PRESSURE FUELING SYSTEM</u>							
PRESSURE FUELING	28-21-01		101	1	Jan 21/2005	ALL	
					2	Jan 21/2005	ALL
			101.1		1	Jan 21/2005	050-156 162-166 275-276
					2	Jan 21/2005	050-156 162-166 275-276
<u>ENGINE FUEL FEED SYSTEM</u>							
FUEL FEED- ENGINE	28-22-01		101	1	Mar 14/2007	050-099 155-156 162-163 165-166 276	
					2	Mar 14/2007	050-099 155-156 162-163 165-166 276
					3	Mar 14/2007	050-099 155-156 162-163 165-166 276



CHAPTER 28
FUEL

Title	CH-SC-SU	Schem	Page	Sheet	Date	Effectivity				
FUEL FEED- ENGINE (cont.)	28-22-01			4	Mar 14/2007	050-099 155-156 162-163 165-166 276				
				101.1	1	Feb 06/2009	050-051			
					2	Feb 06/2009	050-051			
					3	Aug 05/2009	050-051			
					4	Feb 06/2009	050-051			
					5	Feb 06/2009	050-051			
					101.2	1	Feb 06/2009	155 163		
						2	Feb 06/2009	155 163		
						3	Aug 05/2009	155 163		
						4	Feb 06/2009	155 163		
						5	Feb 06/2009	155 163		
						101.3	1	Feb 06/2009	156-162 164-167	
							2	Feb 06/2009	156-162 164-167	
							3	Aug 05/2009	156-162 164-167	
							4	Feb 06/2009	156-162 164-167	
							5	Feb 06/2009	156-162 164-167	
							101.4	1	Feb 06/2009	276-280
								2	Feb 06/2009	276-280
								3	Aug 05/2009	276-280
								4	Feb 06/2009	276-280
								5	Feb 06/2009	276-280
							102	1	Jan 21/2005	150-154 275



CHAPTER 28
FUEL

Title	CH-SC-SU	Schem	Page	Sheet	Date	Effectivity	
FUEL FEED- ENGINE (cont.)	28-22-01			2	Jan 21/2005	150-154 275	
				3	Jan 21/2005	150-154 275	
				4	Jan 21/2005	150-154 275	
				102.1	1	Mar 14/2007	150-154
				2	Mar 14/2007	150-154	
				3	Aug 05/2009	150-154	
				4	Sep 04/2008	150-154	
				5	Mar 07/2008	150-154	
				102.2	1	Mar 14/2007	275
				2	Mar 14/2007	275	
				3	Aug 05/2009	275	
				4	Mar 14/2007	275	
				5	Mar 07/2008	275	
				103	1	Jan 21/2005	157 167-199 277-299
				2	Jan 21/2005	157 167-199 277-299	
				3	Jan 21/2005	157 167-199 277-299	
4	Sep 04/2008	157 167-199 277-299					
104	1	Mar 14/2007	164				
2	Mar 14/2007	164					
3	Mar 14/2007	164					
4	Mar 14/2007	164					
<u>APU FUEL FEED SYSTEM</u>							
FUEL FEED- AUXILIARY POWER UNIT	28-25-01		101		Jan 21/2005	050-099 155-156 162-164	

**CHAPTER 28
FUEL**

Title	CH-SC-SU	Schem	Page	Sheet	Date	Effectivity
FUEL FEED- AUXILIARY POWER UNIT (cont.)	28-25-01		101.1		Sep 04/2008	050-051 155-167 277-280
			102.1		Jan 21/2005	150-154
			102.2		Sep 04/2008	150-154
			103		Sep 04/2008	157 165-199 277-299
			104.1		Jan 21/2005	275-276
			104.2		Sep 04/2008	275-276
<u>DEFUELING</u>						
DEFUELING	28-26-01		101		Mar 07/2008	ALL
<u>FUEL JETTISON SYSTEM</u>						
FUEL JETTISON NOZZLE VALVE AND TRANSFER VALVE CONTROL	28-31-01		101		Mar 07/2008	ALL
			101.1		Jan 21/2005	155-157 165-167 277-280
FUEL JETTISON PUMPS LOW PRESSURE SWITCH	28-31-02		101		Jan 21/2005	050 162-164
			102		Jan 21/2005	051-099 276
			103		Jun 28/2006	155-157 165-199 277-299
			103.1		Jun 28/2006	155-157 165-167 277-280
<u>INDICATING</u>						
FUEL ENGINE INDICATION & CREW ALERTING SYSTEM WARNING	28-40-01		101		Jan 21/2005	ALL
			101.1		Jan 21/2005	050-280
<u>FUEL QUANTITY INDICATING SYSTEM (FQIS)</u>						
FUEL QUANTITY PROCESSING AND COMMON INPUT/ OUTPUT	28-41-01		101	1	Jan 21/2005	050-099 150-199 280-299
				2	Jan 21/2005	050-099 150-199 280-299

CHAPTER 28
FUEL

Title	CH-SC-SU	Schem	Page	Sheet	Date	Effectivity
FUEL QUANTITY PROCESSING AND COMMON INPUT/ OUTPUT (cont.)	28-41-01		101.1	1	Mar 14/2007	153
				2	Jan 21/2005	153
			102	1	Jan 21/2005	275-278
				2	Jan 21/2005	275-278
FUEL QUANTITY INDICATION LEFT	28-41-02		101		Jan 21/2005	ALL
FUEL QUANTITY INDICATION RIGHT	28-41-03		101		Jan 21/2005	ALL
<u>FUEL TEMPERATURE INDICATING SYSTEM</u>						
FUEL TEMPERATURE INDICATION	28-43-01		101		Jan 21/2005	ALL

CHAPTER 28
FUEL

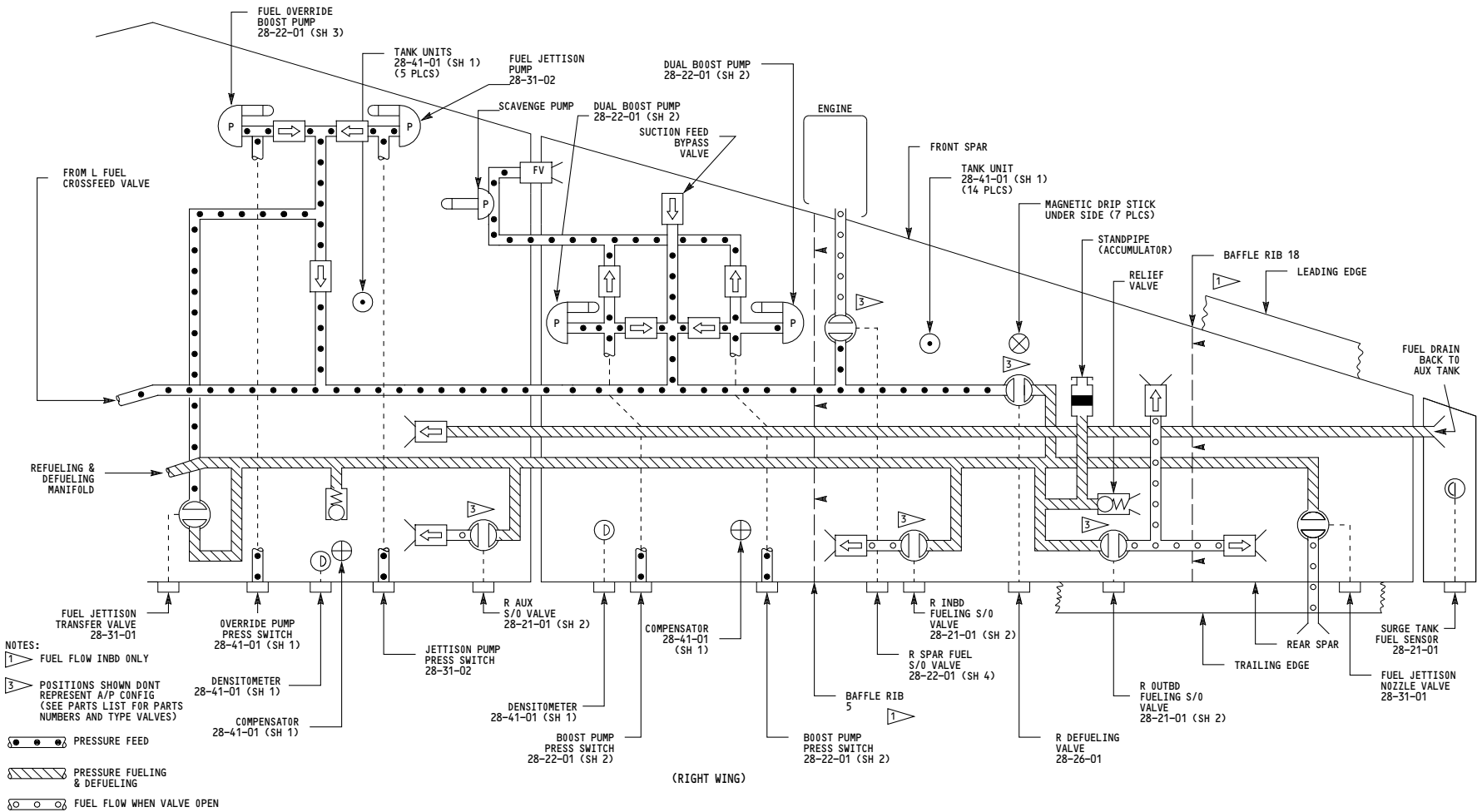
CH-SC-SU	Title
28-26-01	DEFUELING
28-40-01	FUEL ENGINE INDICATION & CREW ALERTING SYSTEM WARNING
28-25-01	FUEL FEED- AUXILIARY POWER UNIT
28-22-01	FUEL FEED- ENGINE
28-31-01	FUEL JETTISON NOZZLE VALVE AND TRANSFER VALVE CONTROL
28-31-02	FUEL JETTISON PUMPS LOW PRESSURE SWITCH
28-41-02	FUEL QUANTITY INDICATION LEFT
28-41-03	FUEL QUANTITY INDICATION RIGHT
28-41-01	FUEL QUANTITY PROCESSING AND COMMON INPUT/ OUTPUT
28-43-01	FUEL TEMPERATURE INDICATION
28-13-01	FUEL VENT
28-00-00	FUEL- SIMPLIFIED
28-21-01	PRESSURE FUELING

CH-SC-SU	Title
----------	-------

28-ALPHABETICAL INDEX

THIS PAGE INTENTIONALLY LEFT BLANK

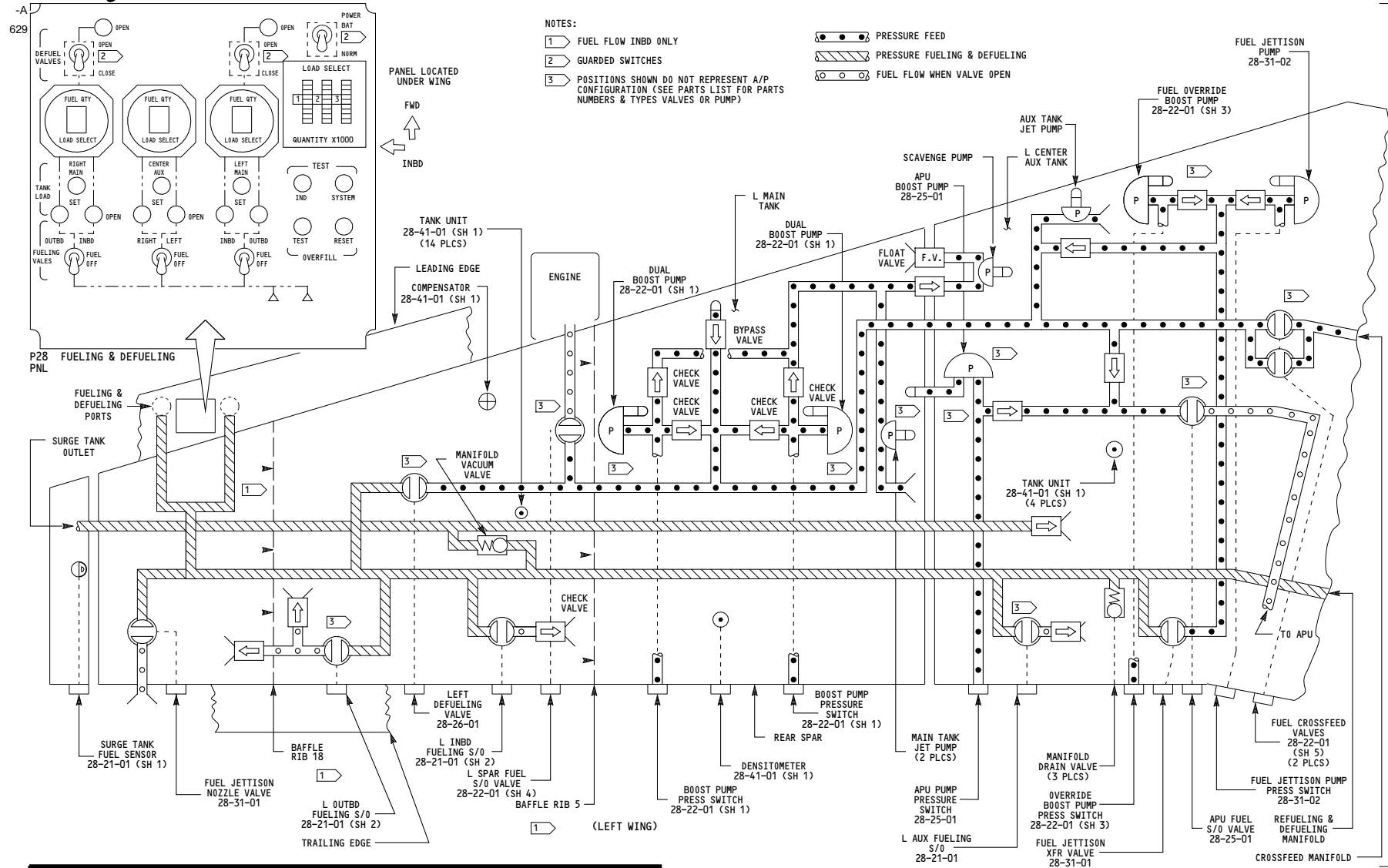
-B
621



<p>050-099, 155-199, 276-299</p>	<p>FUEL-SIMPLIFIED</p> <p>D280T232</p>
----------------------------------	---

28-00-00

Page 101
Sheet 2
Jan 21/2005



050-051, 155-167, 276-280

FUEL-SIMPLIFIED

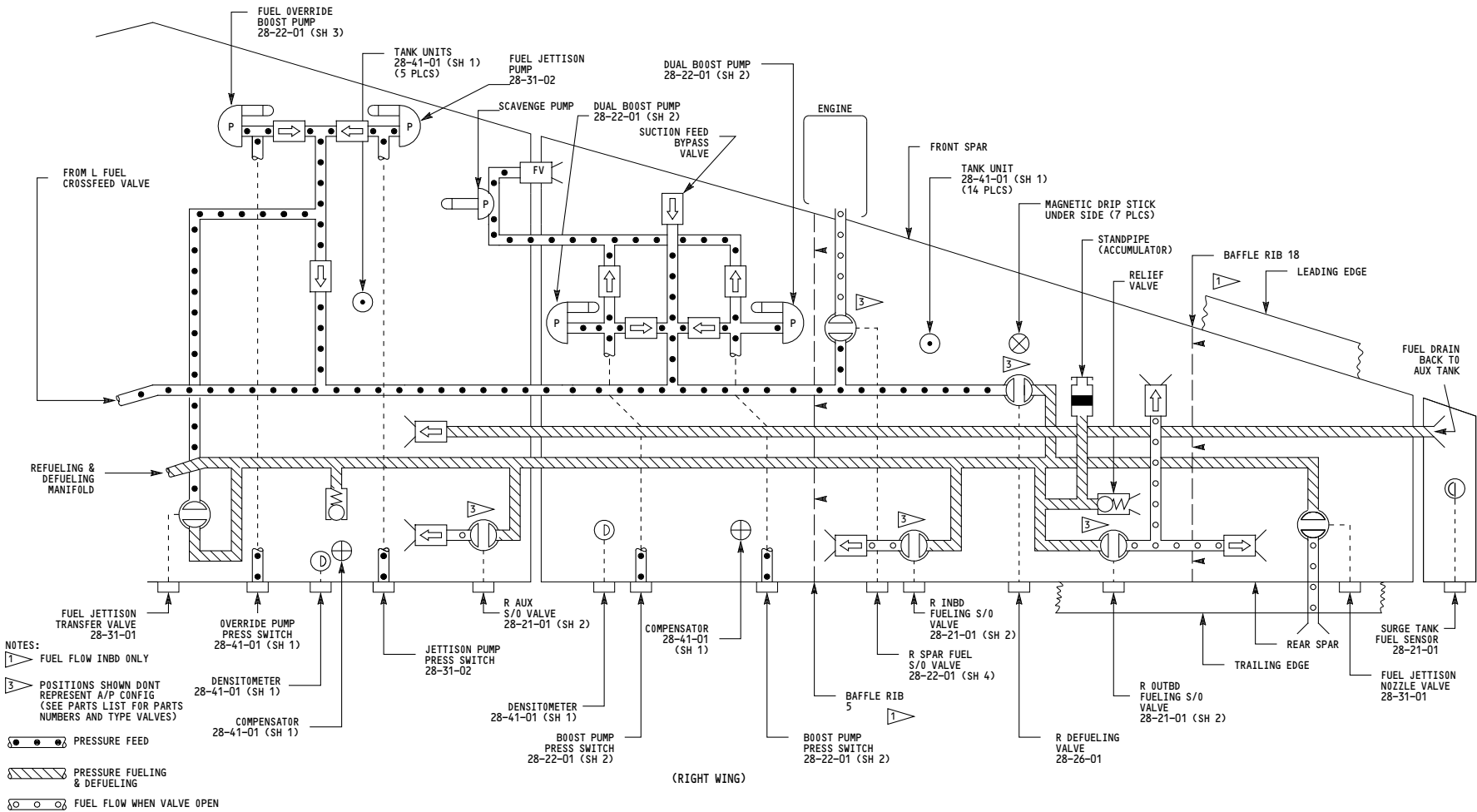
Incorporates
28-0034 R02

28-00-00

D280T232

Page 101.1
Sheet 1
Jan 21/2005

-B
621

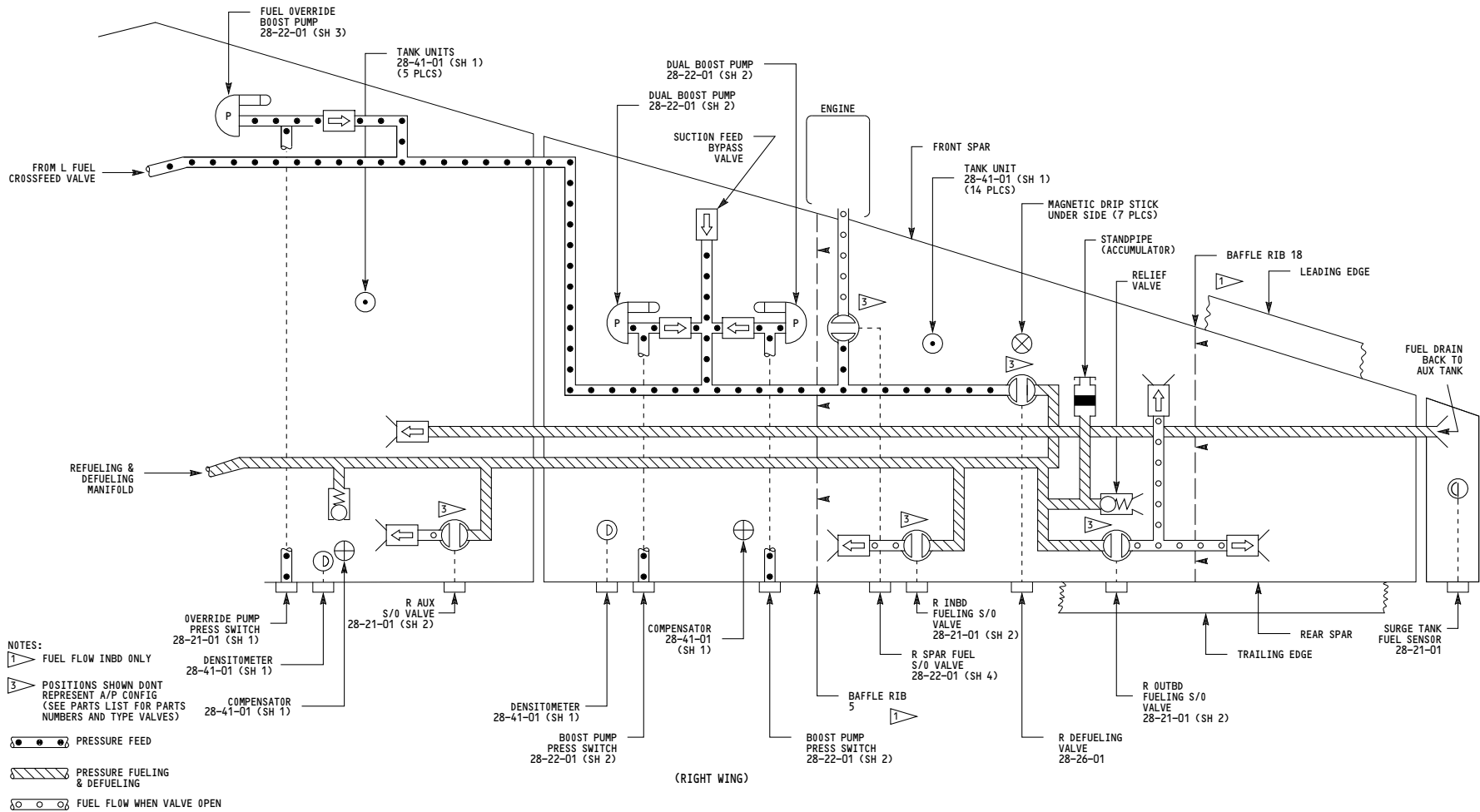


<p>050-051, 155-167, 276-280</p>	<p>FUEL-SIMPLIFIED</p> <p>D280T232</p>
----------------------------------	---

28-00-00

Page 101.1
Sheet 2
Jan 21/2005

-A
616



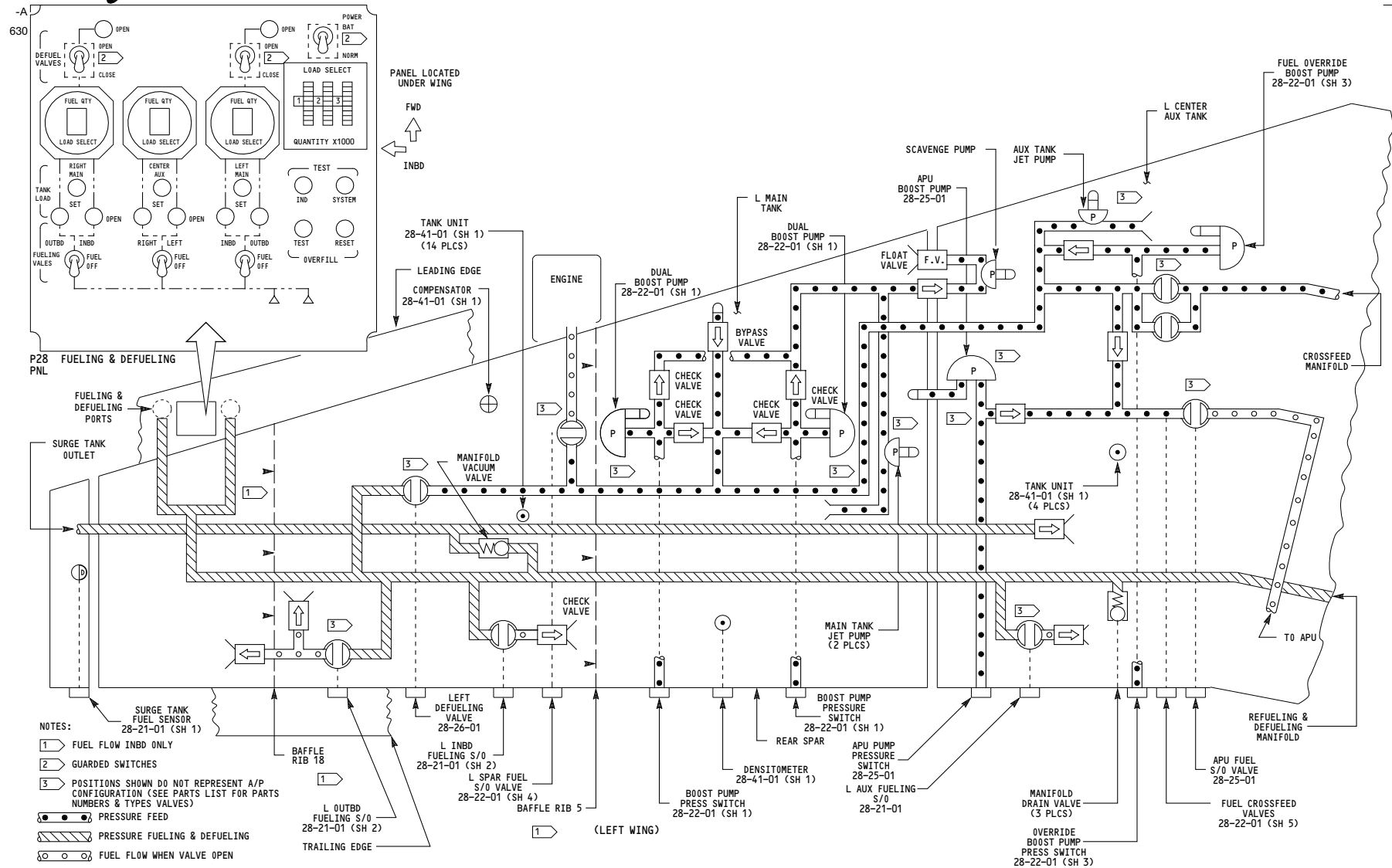
150-154, 275

FUEL-SIMPLIFIED

D280T232

28-00-00

Page 102
Sheet 2
Jan 21/2005



150-154, 275

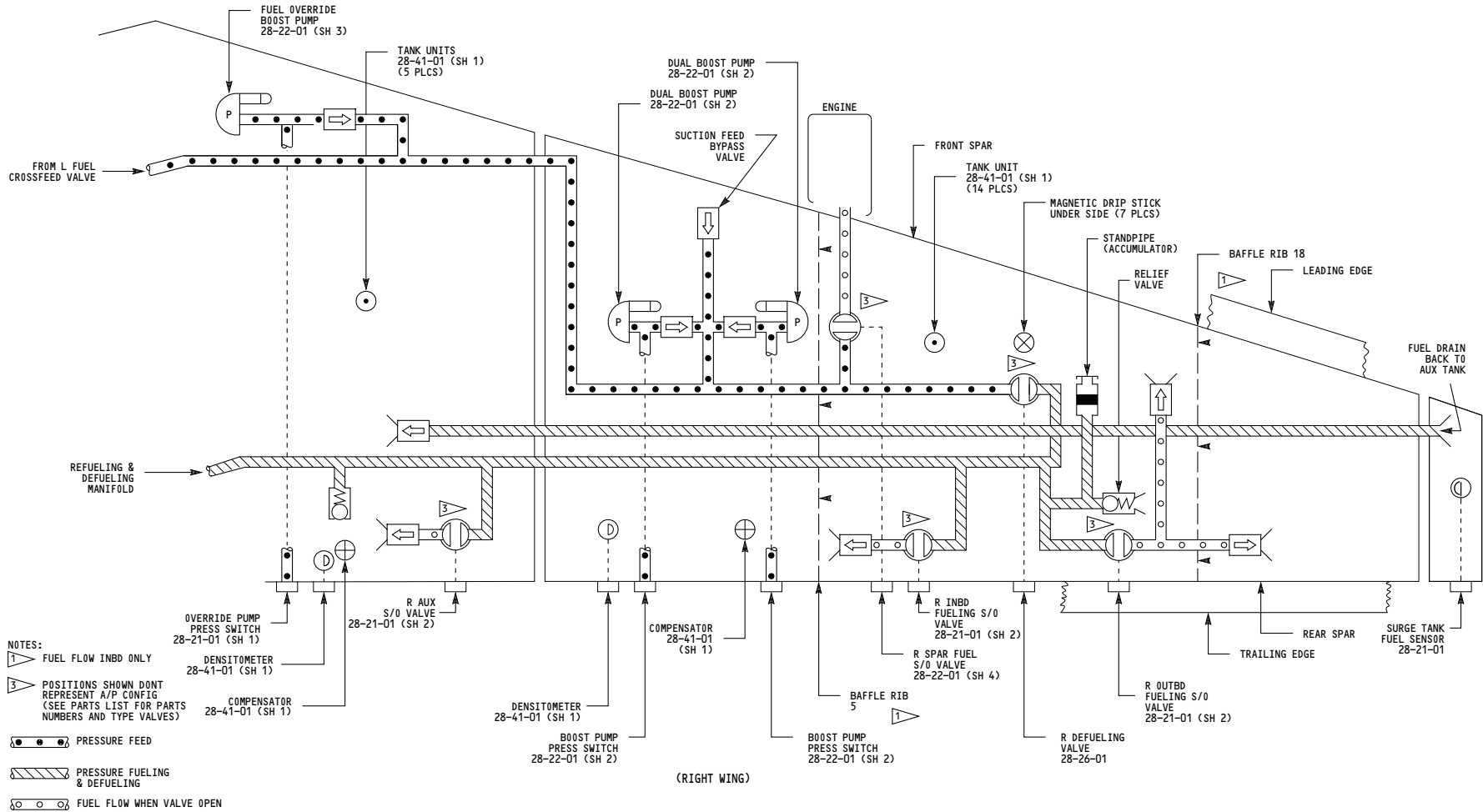
FUEL-SIMPLIFIED

Incorporates
28-0034 R02

D280T232

28-00-00

-A
616



150-154, 275

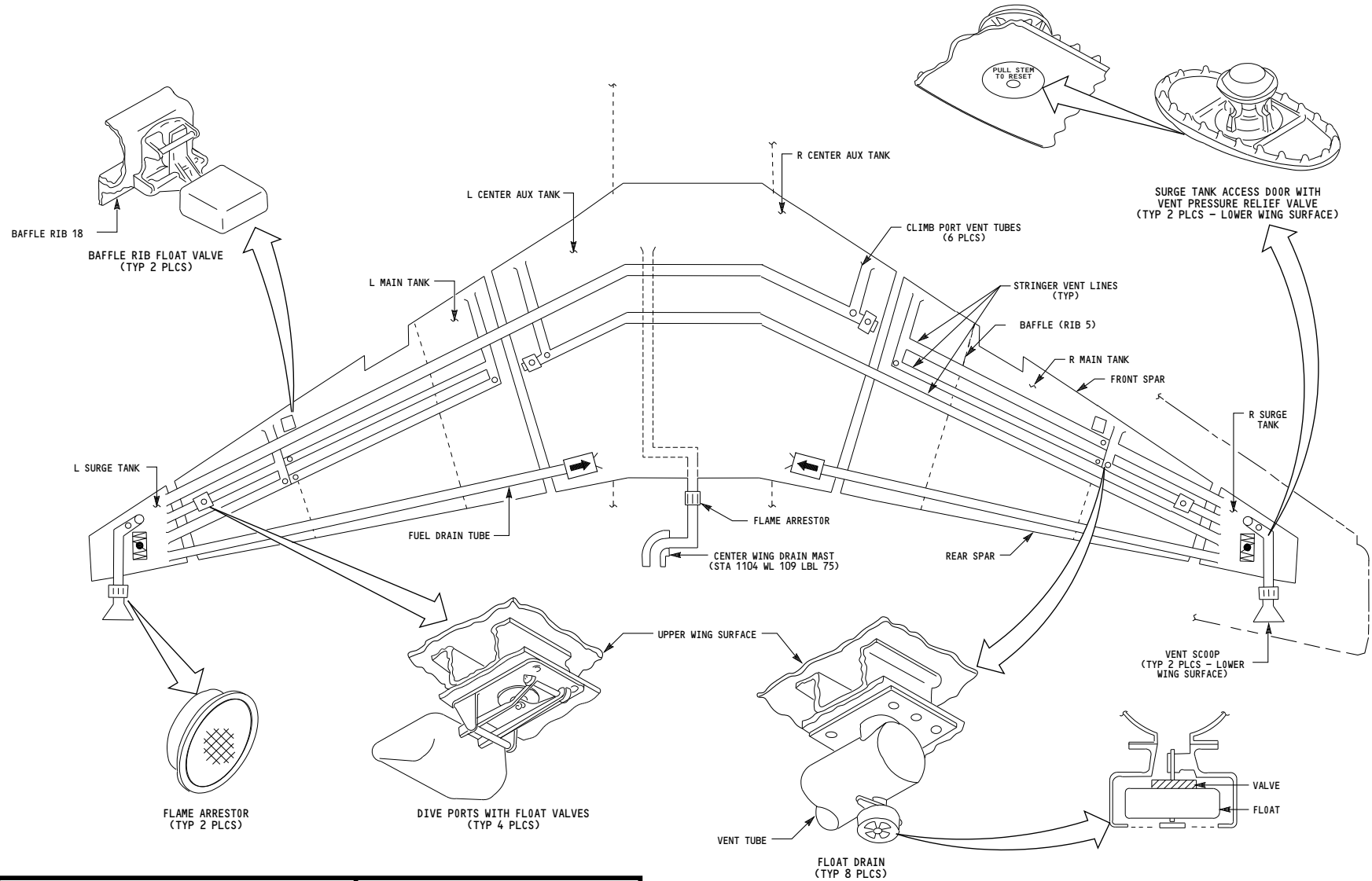
FUEL-SIMPLIFIED

D280T232

28-00-00

Page 102.1
Sheet 2
Jan 21/2005

607



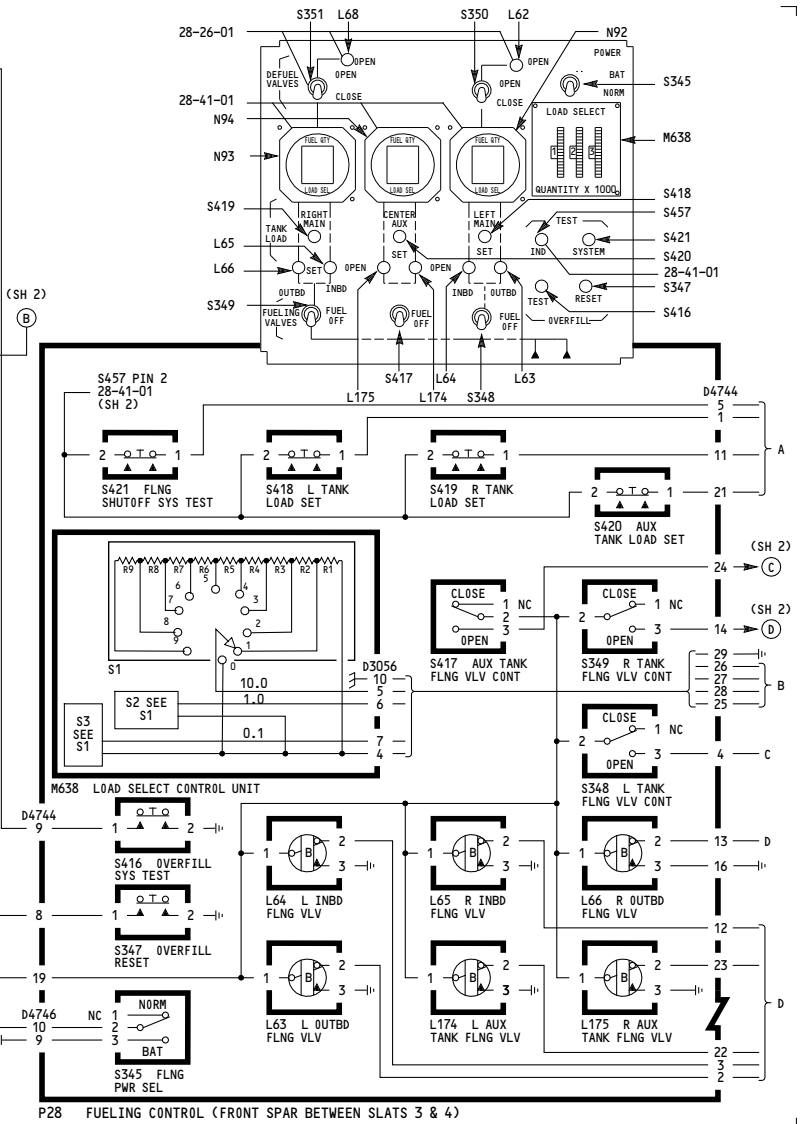
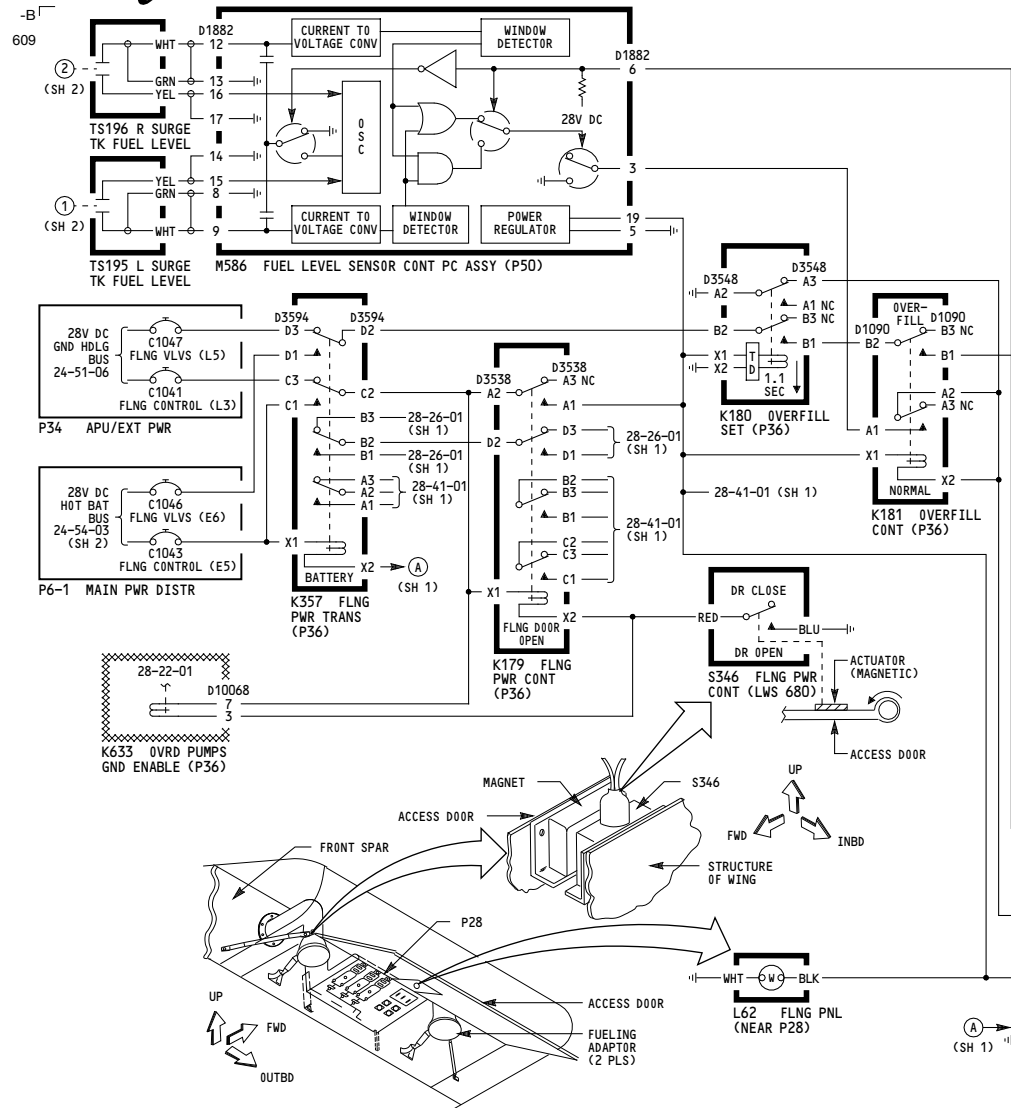
ALL	<p>FUEL VENT</p> <p>D280T232</p>
-----	--

28-13-01

Page 101

Jan 21/2005

THIS PAGE INTENTIONALLY LEFT BLANK

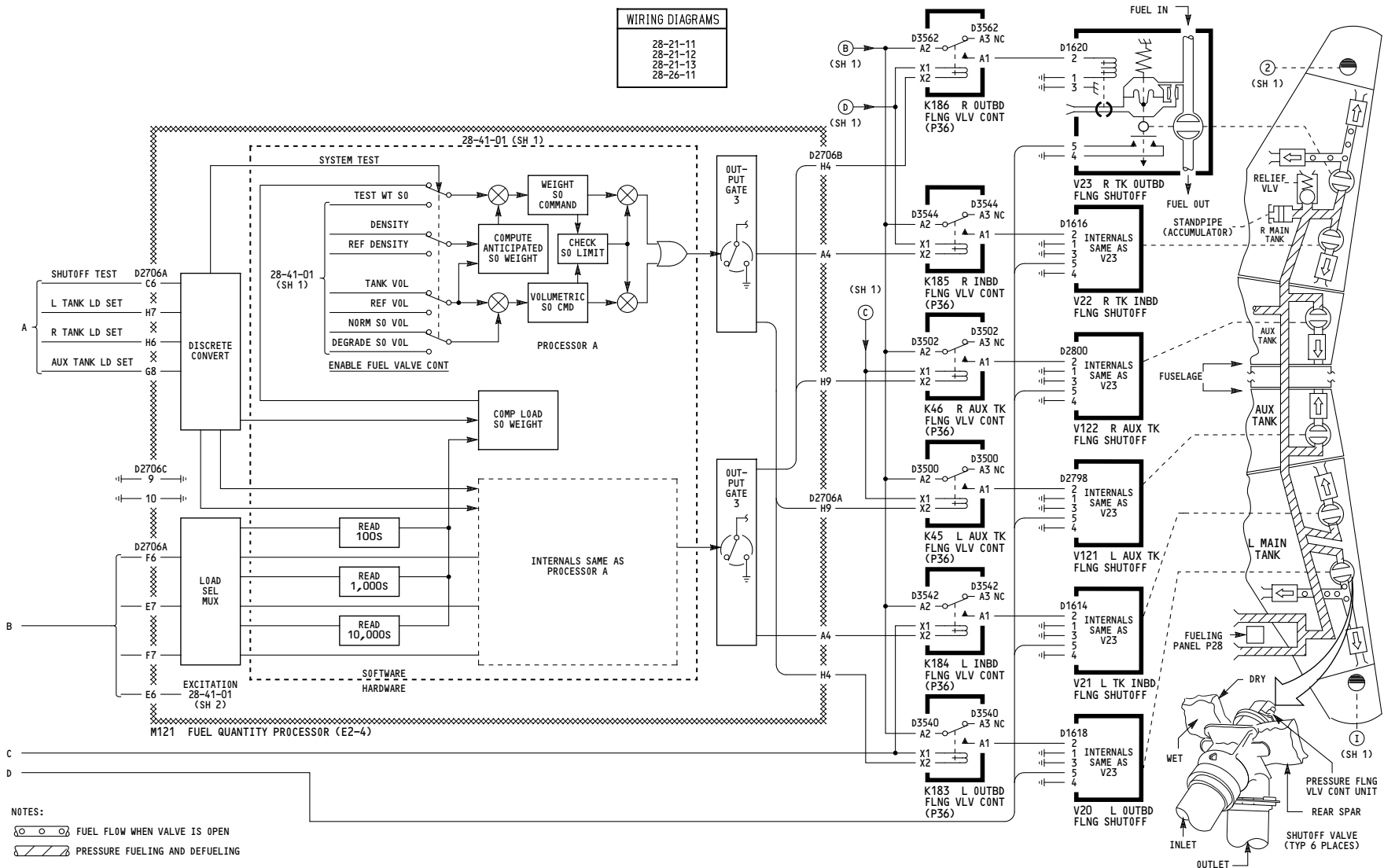


ALL	PRESSURE FUELING
	D280T232

28-21-01

-B
606

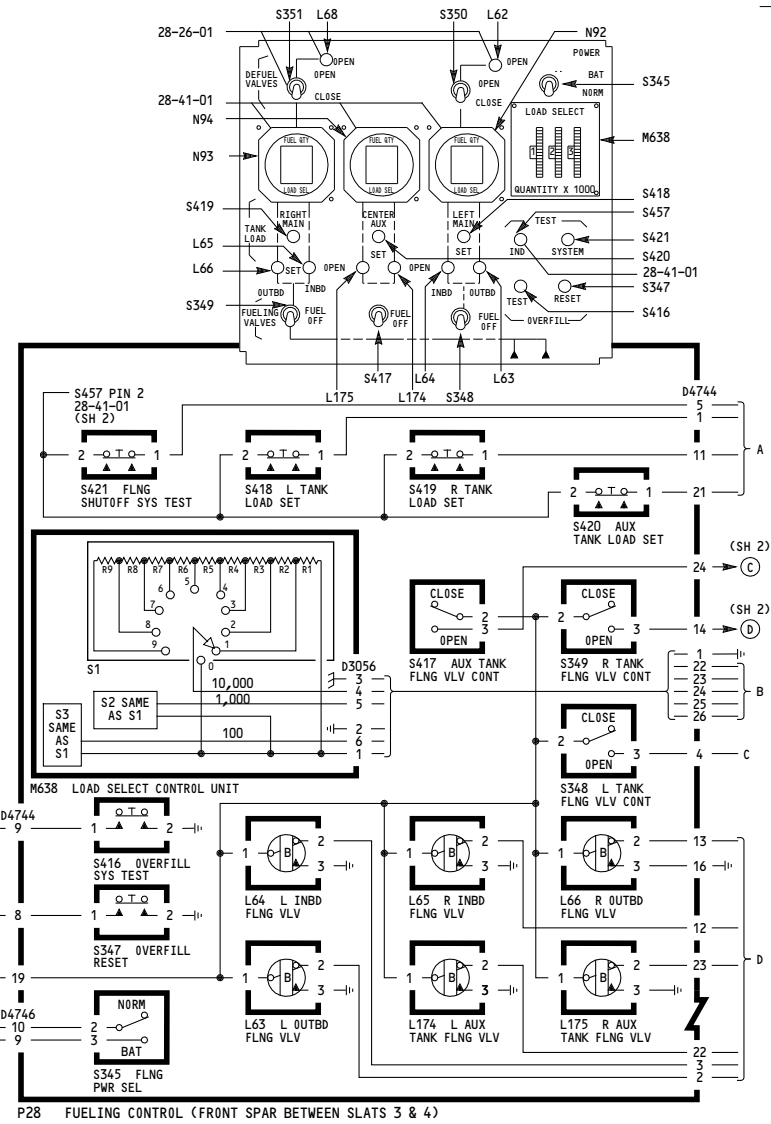
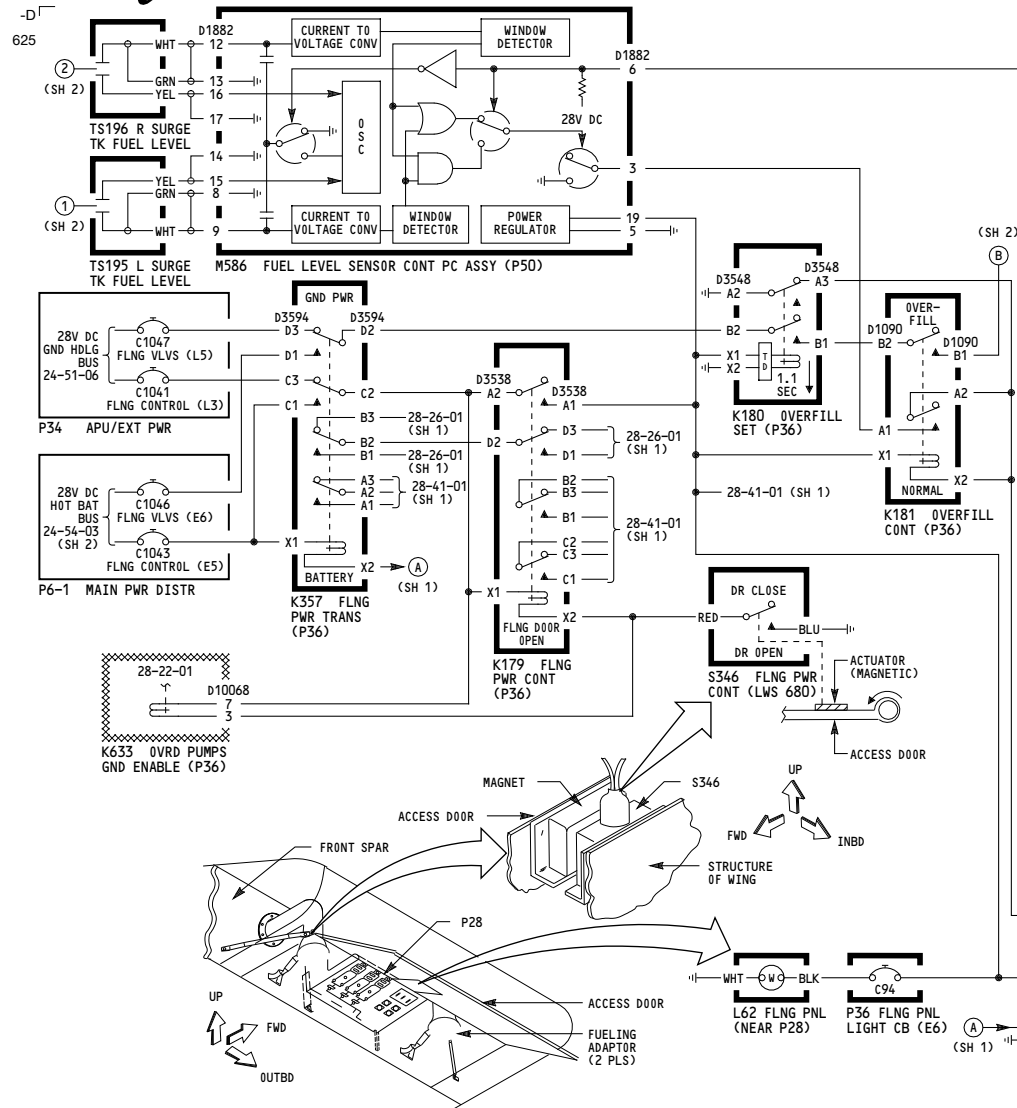
WIRING DIAGRAMS
28-21-11
28-21-12
28-21-13
28-26-11



NOTES:
 FUEL FLOW WHEN VALVE IS OPEN
 PRESSURE FUELING AND DEFUELING

ALL	PRESSURE FUELING
	D280T232

28-21-01



050-156, 162-166, 275-276

PRESSURE FUELING

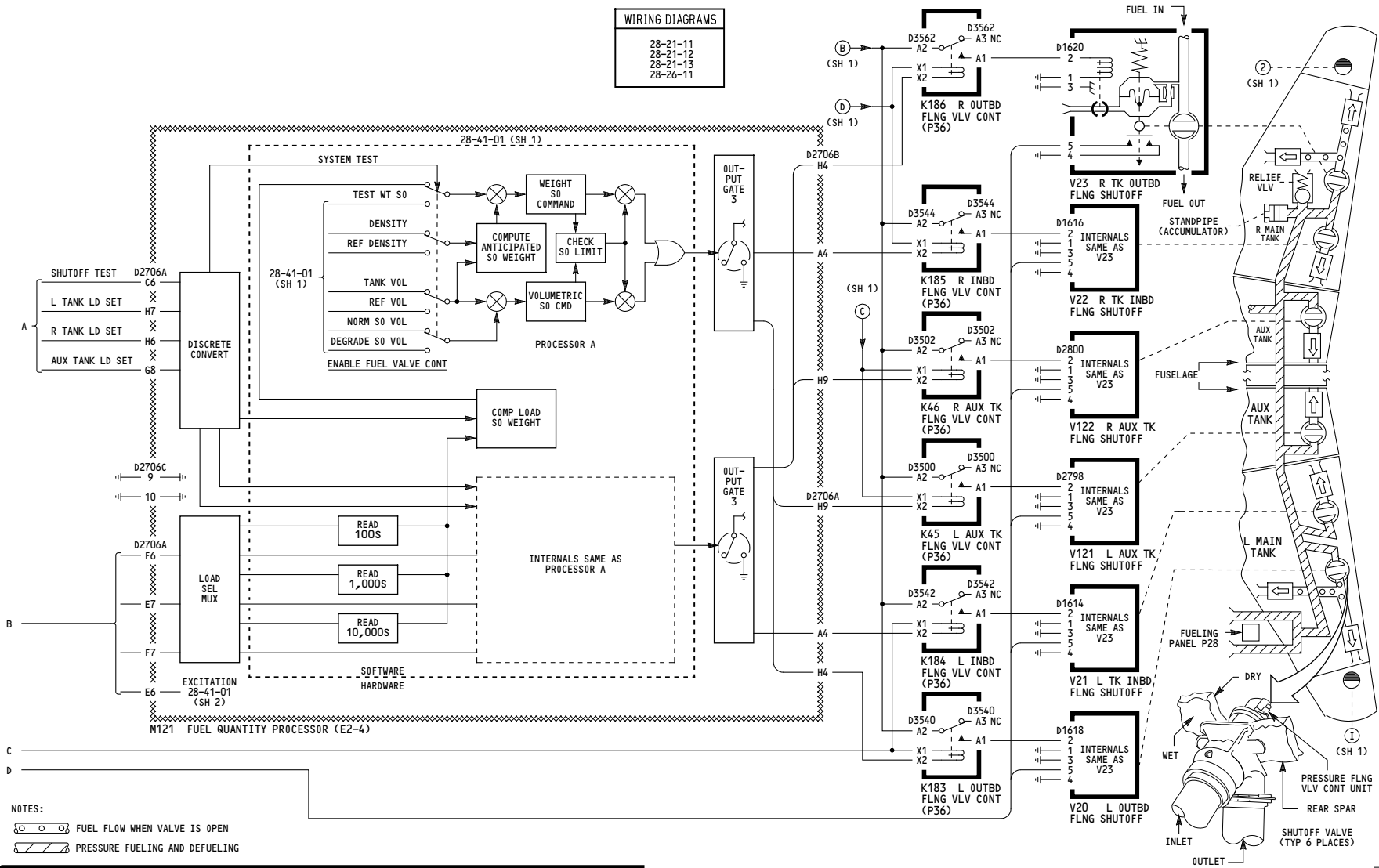
Incorporates 28-0031

D280T232

28-21-01

-B
606

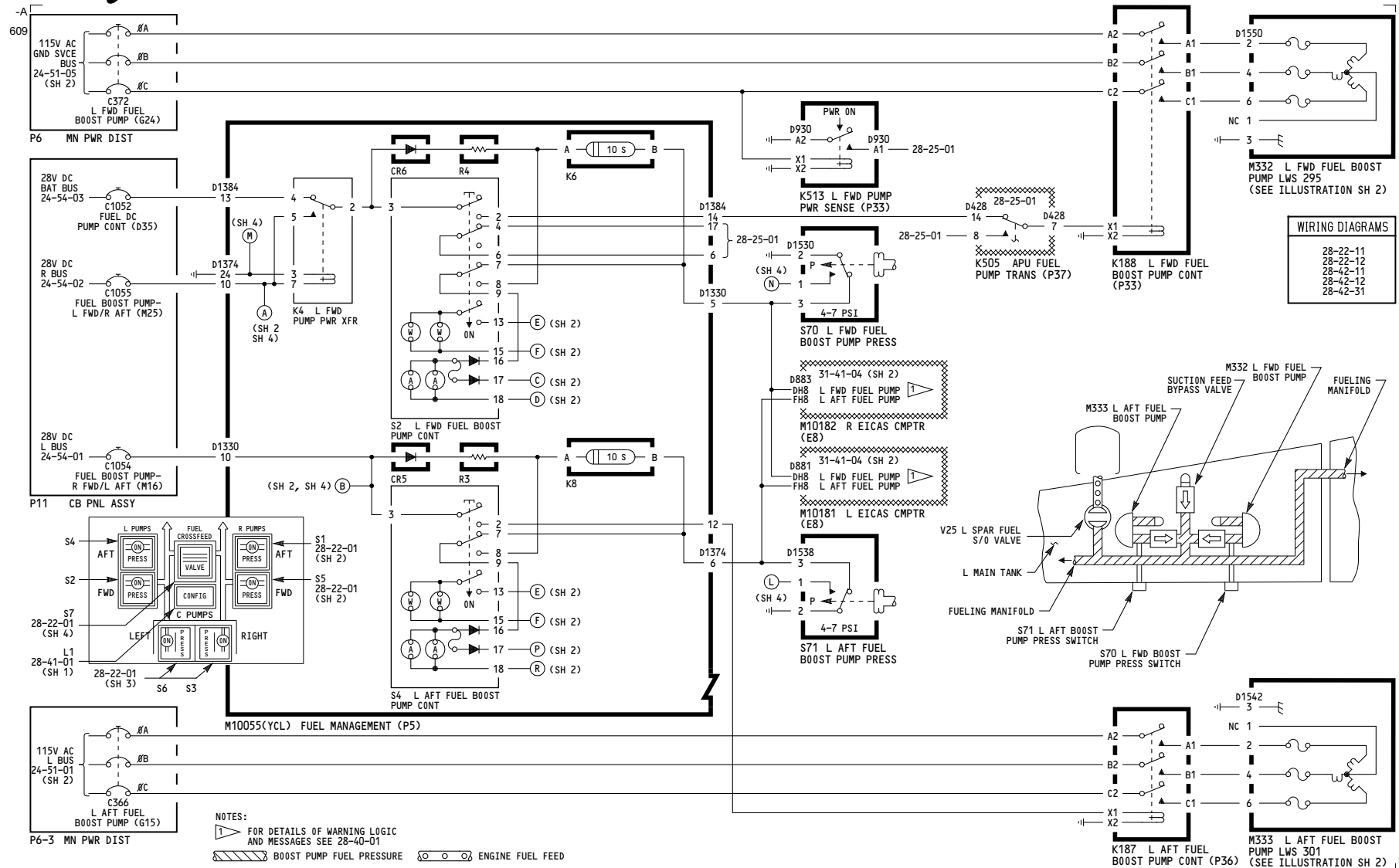
WIRING DIAGRAMS
28-21-11
28-21-12
28-21-13
28-26-11



050-156, 162-166, 275-276	PRESSURE FUELING
	D280T232

28-21-01

Page 101.1
Sheet 2
Jan 21/2005



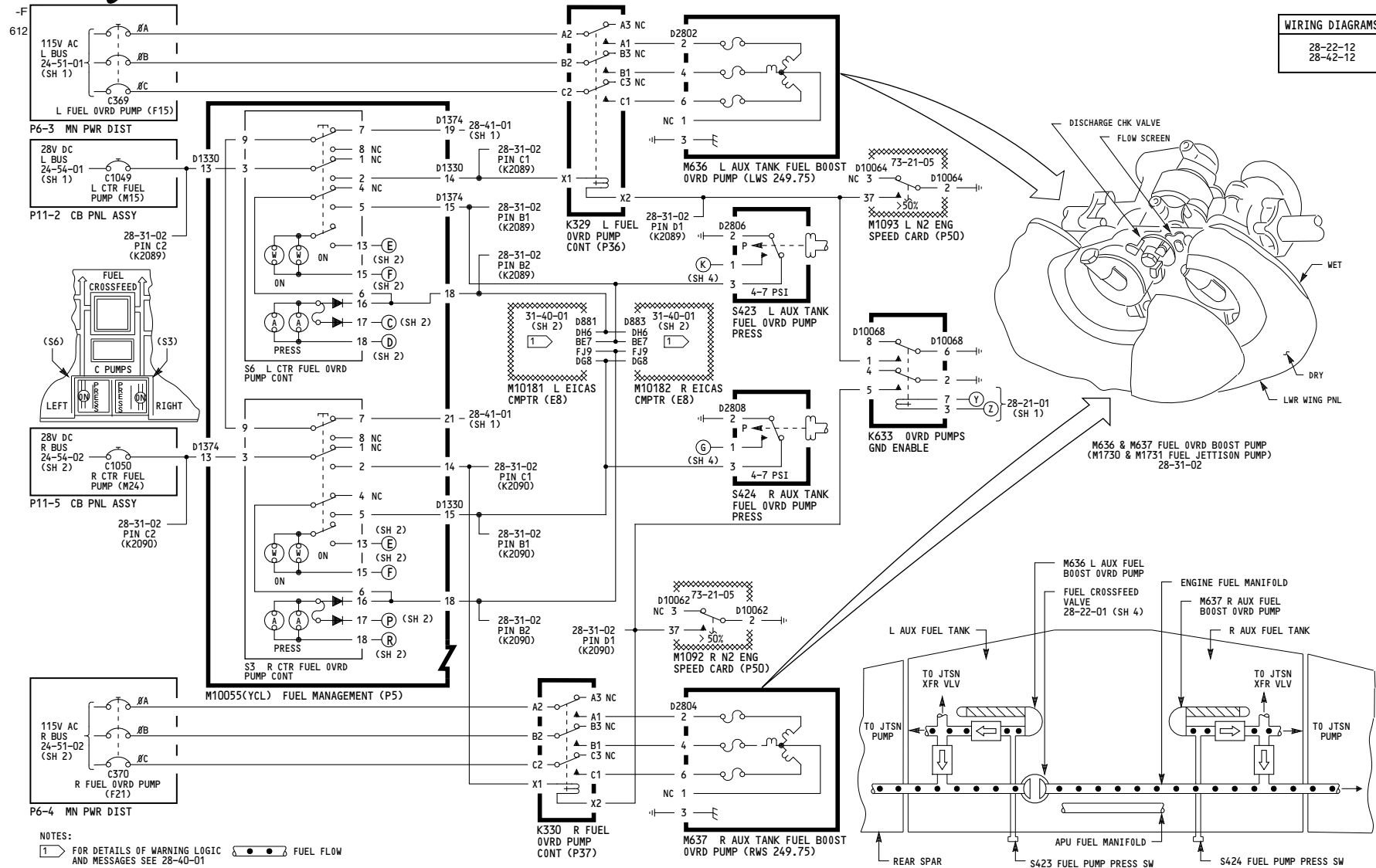
050-099, 155-156, 162-163, 165-166, 276

FUEL FEED-ENGINE

D280T232

28-22-01

WIRING DIAGRAMS
28-22-12
28-42-12



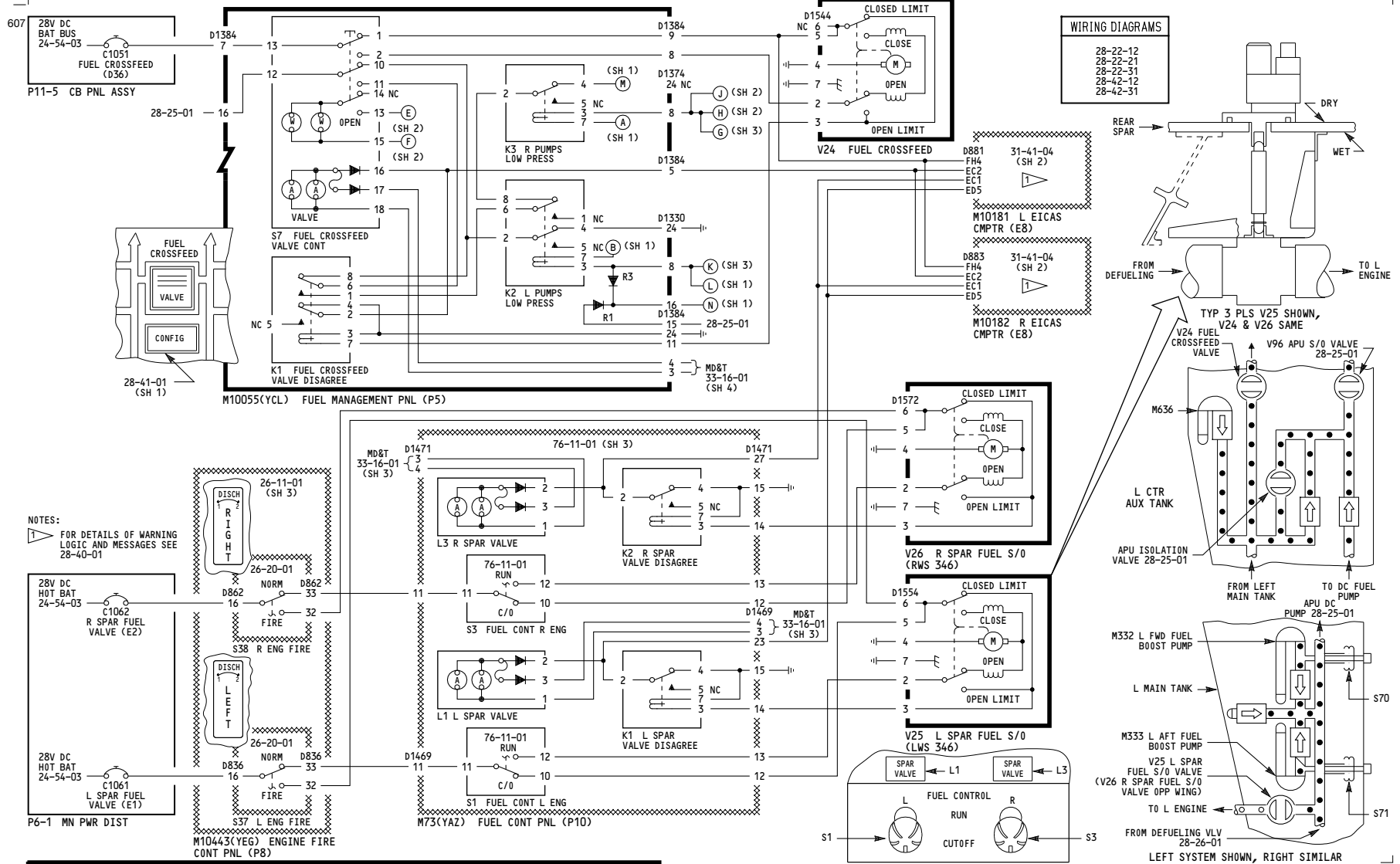
NOTES:
 1) FOR DETAILS OF WARNING LOGIC AND MESSAGES SEE 28-40-01

050-099, 155-156, 162-163, 165-166, 276

FUEL FEED-ENGINE

D280T232

28-22-01

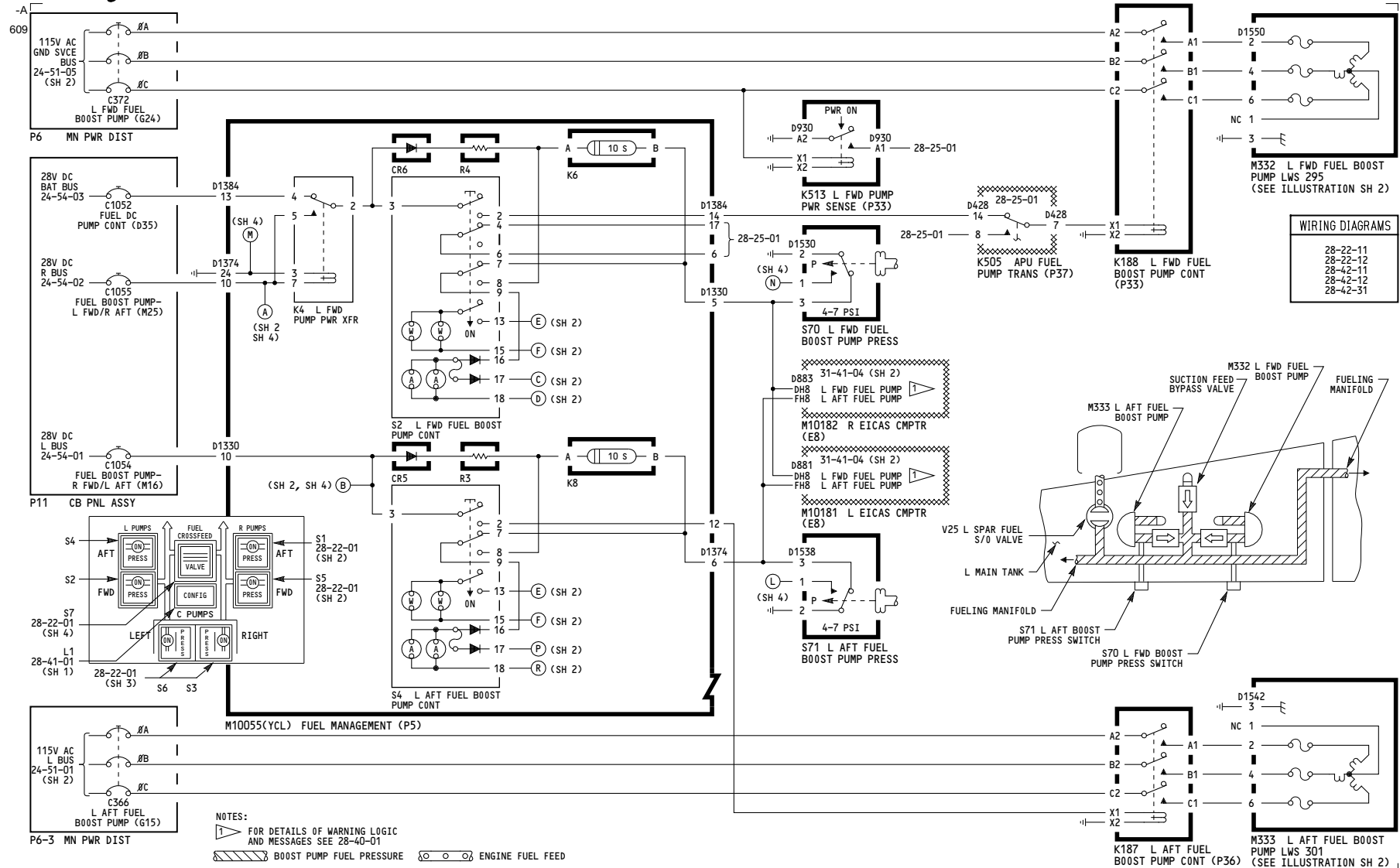


050-099, 155-156, 162-163, 165-166, 276

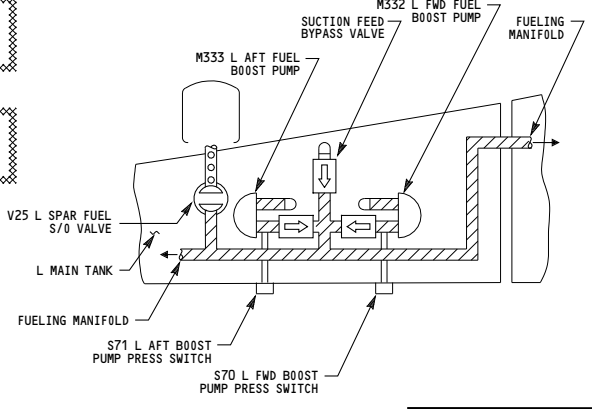
FUEL FEED-ENGINE

D280T232

28-22-01



WIRING DIAGRAMS	
28-22-11	
28-22-12	
28-42-11	
28-42-12	
28-42-31	



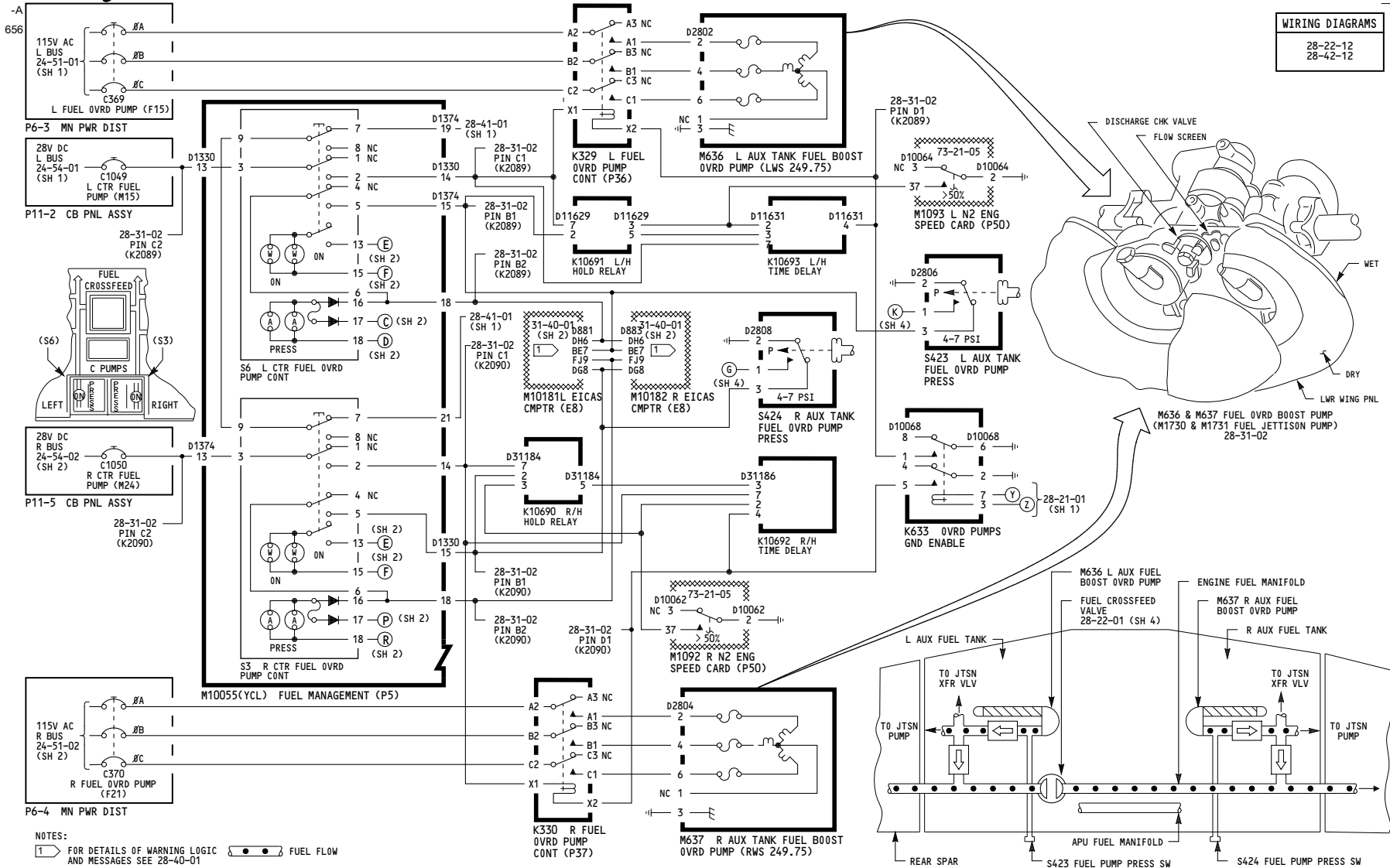
050-051

FUEL FEED-ENGINE

D280T232

28-22-01

WIRING DIAGRAMS
28-22-12
28-42-12

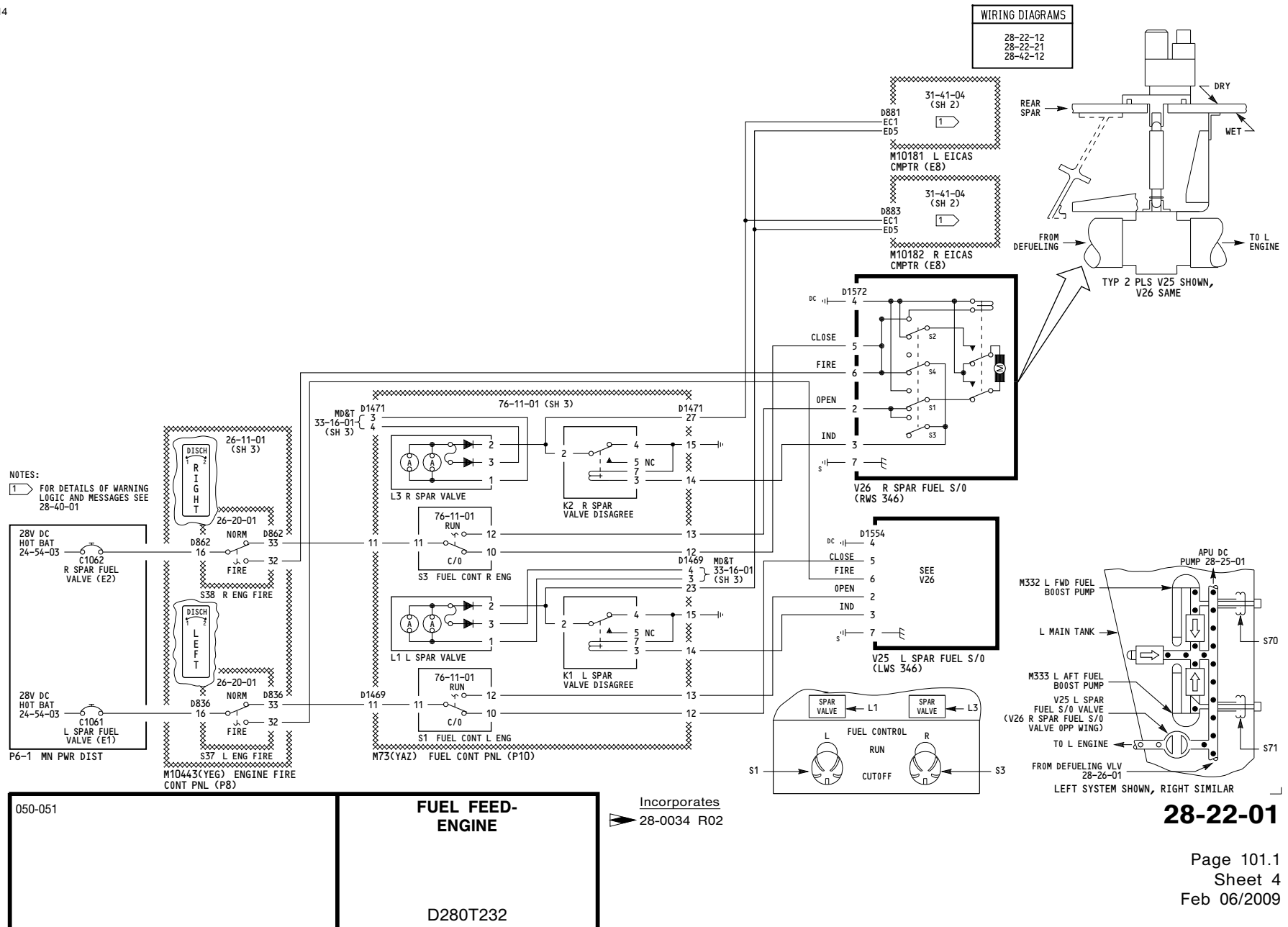


NOTES:
 1 FOR DETAILS OF WARNING LOGIC AND MESSAGES SEE 28-40-01
 FUEL FLOW

050-051	<p>FUEL FEED-ENGINE</p> <p>D280T232</p>
---------	---

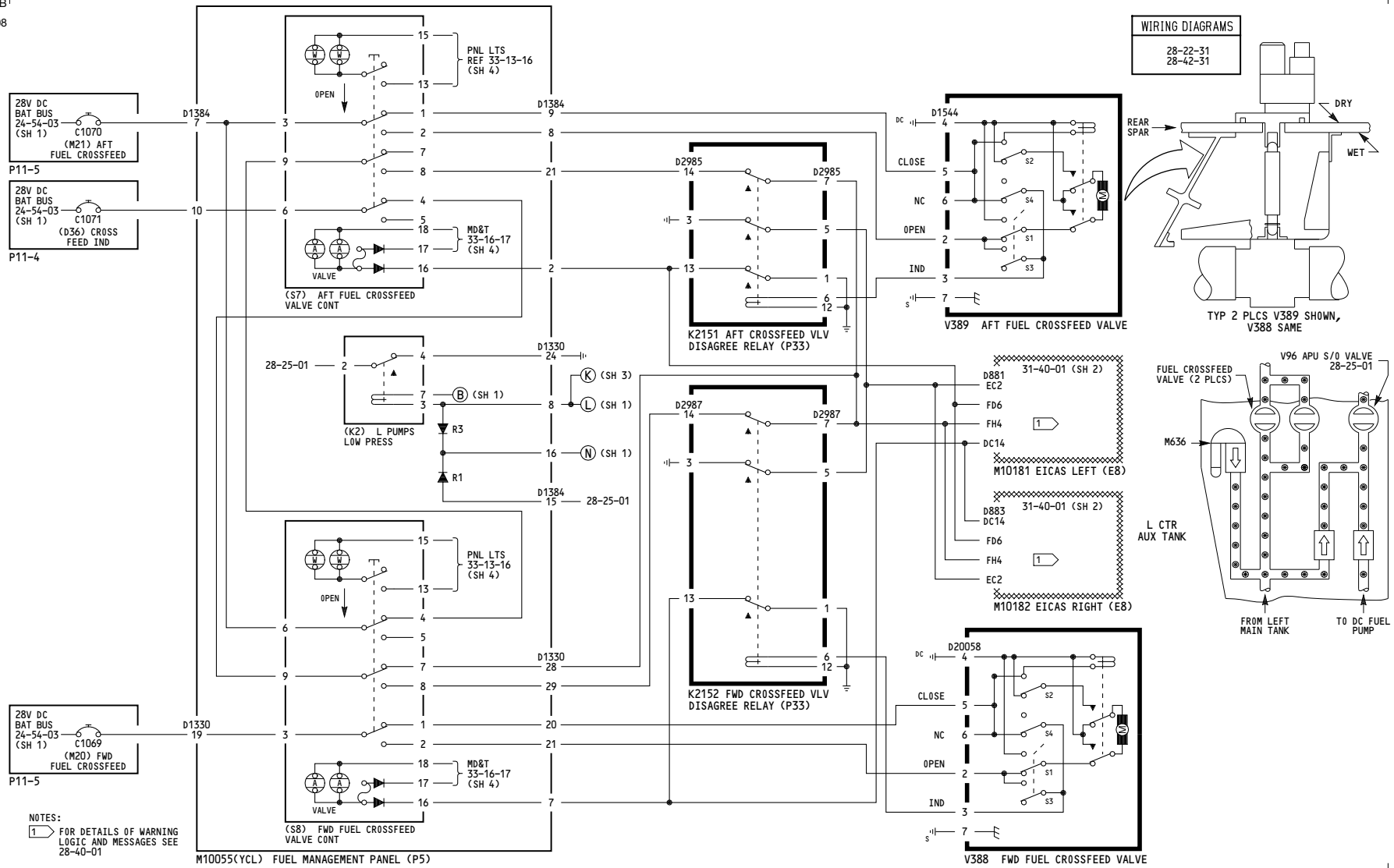
Incorporates
 28A0083 R01

28-22-01



28-22-01

-B
608



050-051

FUEL FEED-ENGINE

D280T232

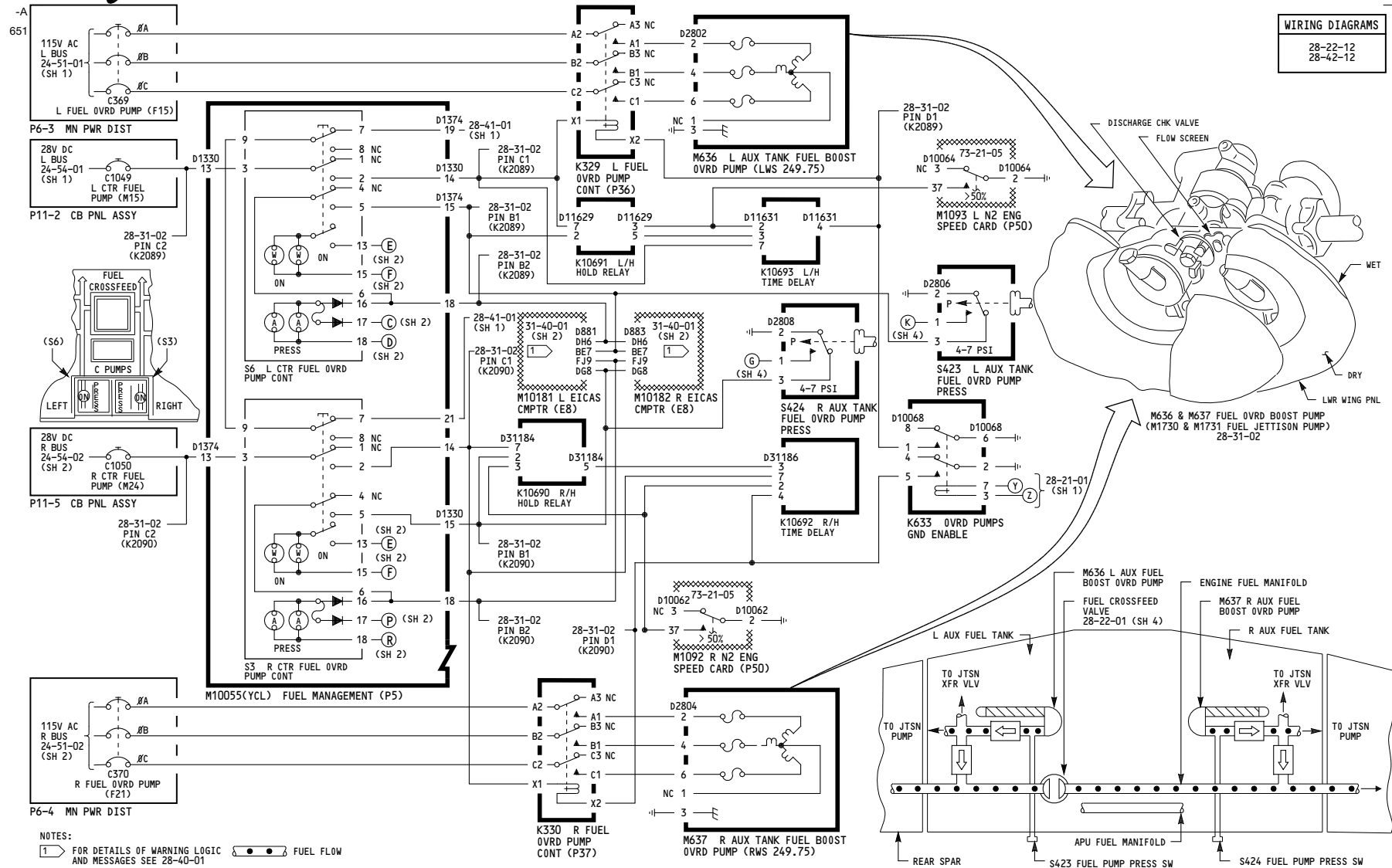
Incorporates
28-0034 R02

28-22-01

Page 101.1
Sheet 5
Feb 06/2009

THIS PAGE INTENTIONALLY LEFT BLANK

WIRING DIAGRAMS
28-22-12
28-42-12



NOTES:
1 FOR DETAILS OF WARNING LOGIC AND MESSAGES SEE 28-40-01

155, 163

FUEL FEED-ENGINE

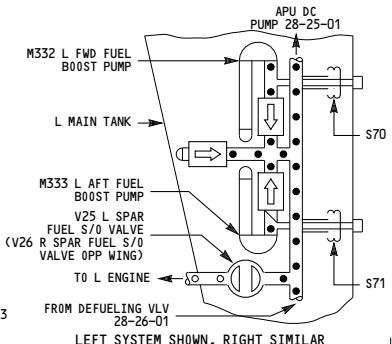
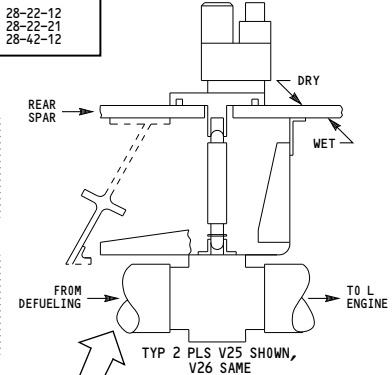
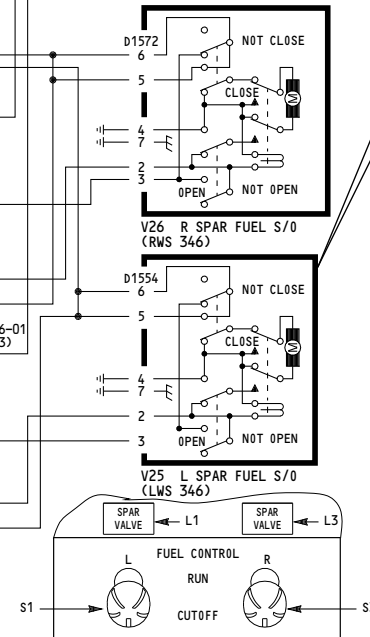
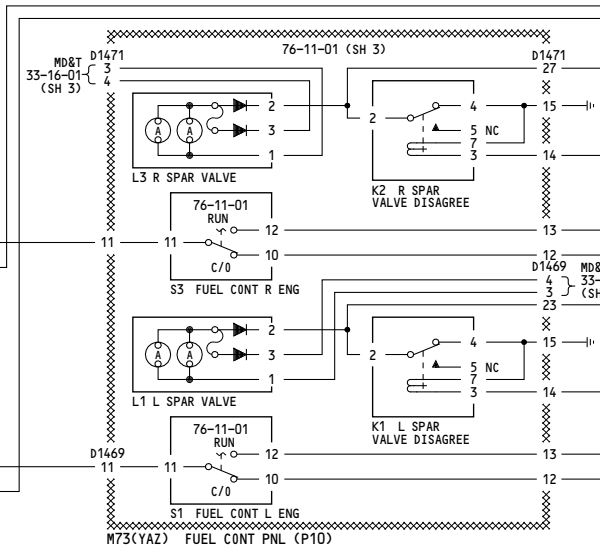
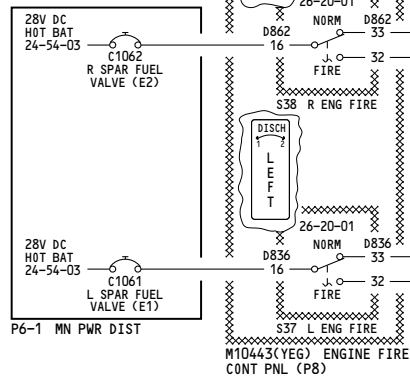
D280T232

Incorporates
28A0083 R01

28-22-01

WIRING DIAGRAMS
28-22-12
28-22-21
28-42-12

NOTES:
1 FOR DETAILS OF WARNING LOGIC AND MESSAGES SEE 28-40-01

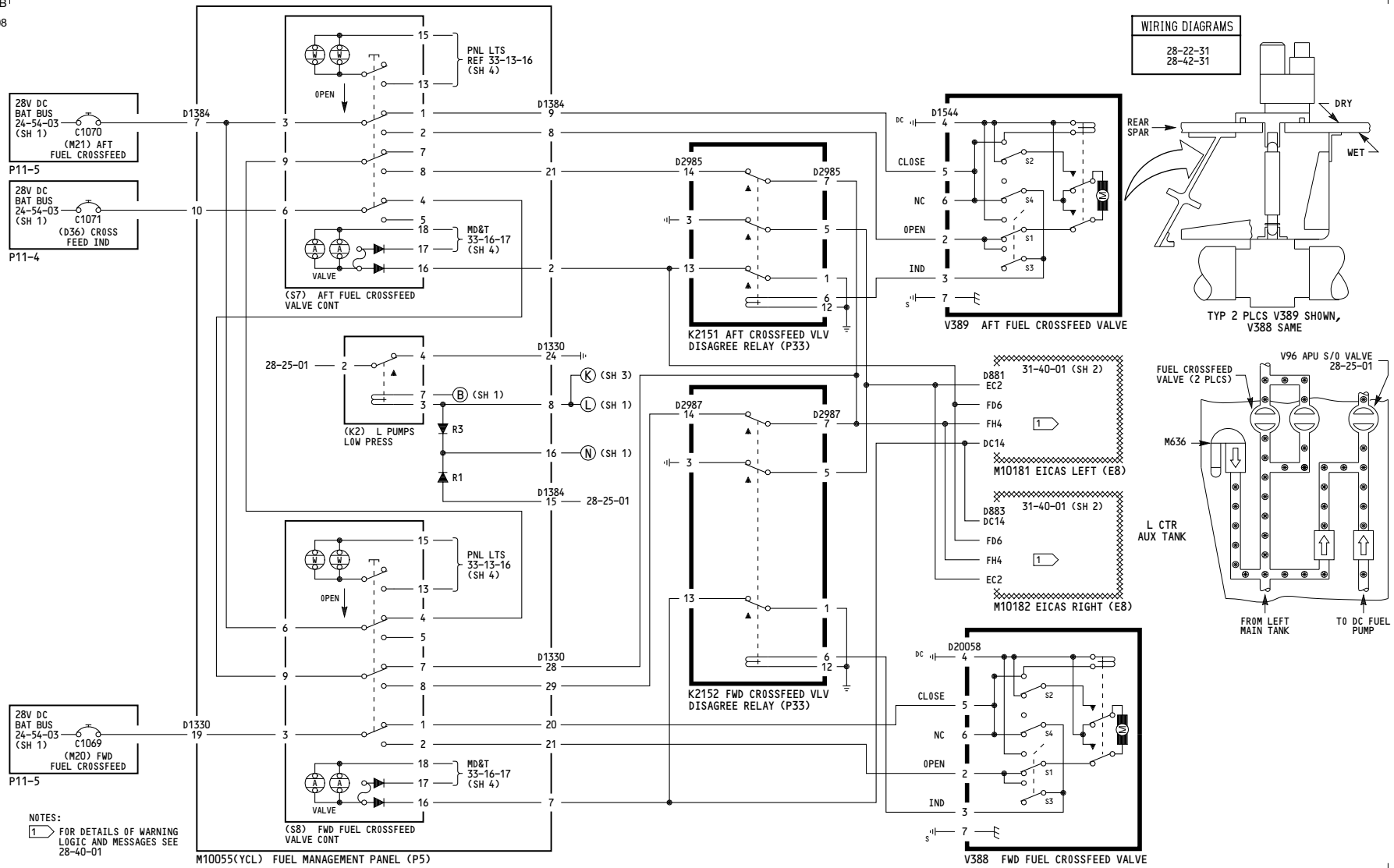


155, 163	FUEL FEED-ENGINE
	D280T232

Incorporates
 28-0034 R02
 28-0066 R01

28-22-01

-B
608



155, 163

FUEL FEED-ENGINE

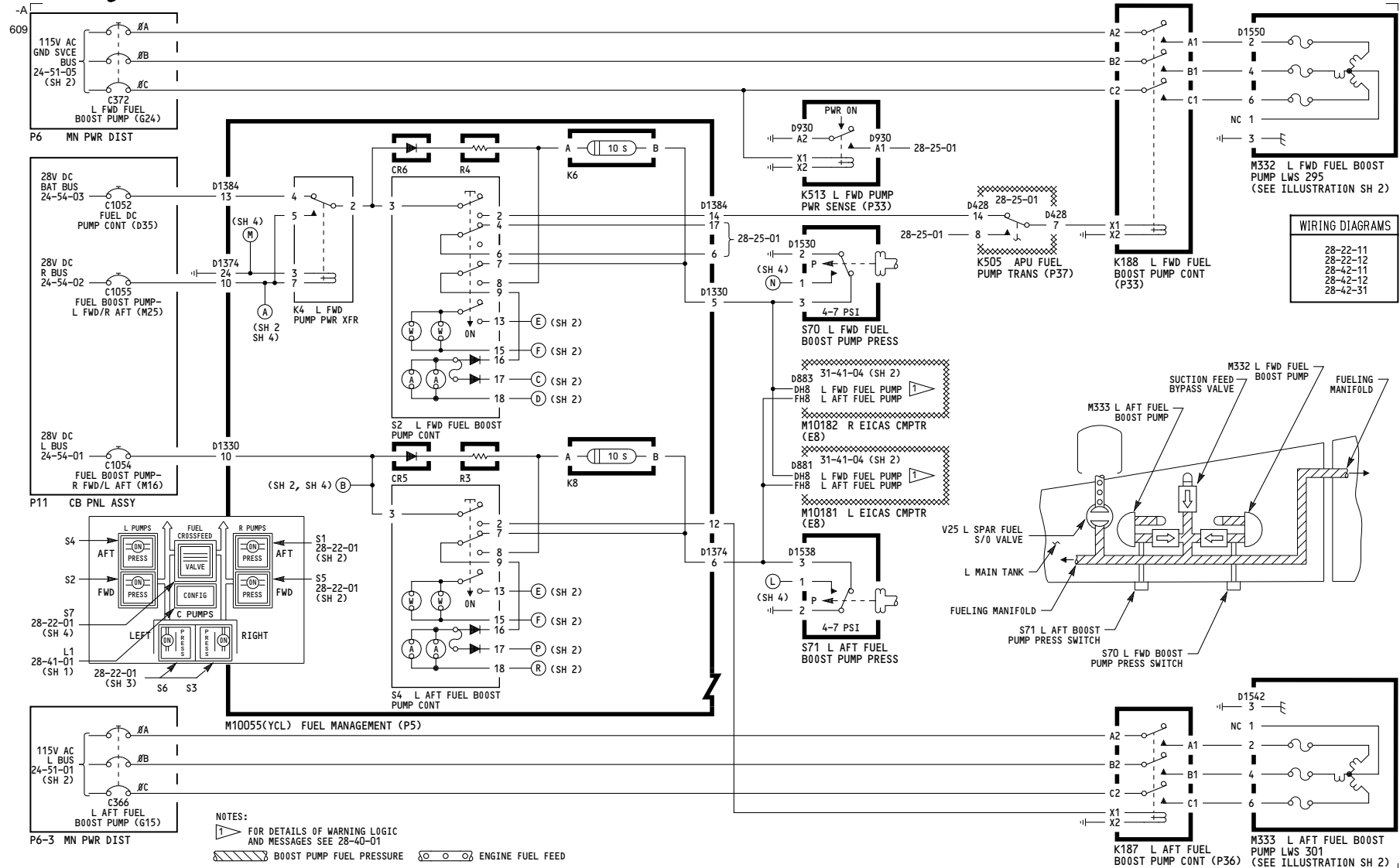
D280T232

Incorporates
28-0034 R02

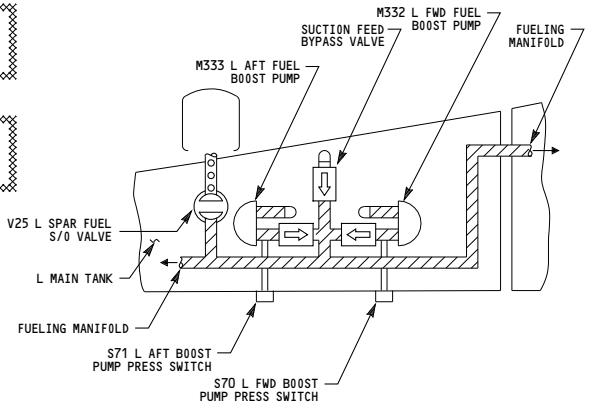
28-22-01

Page 101.2
Sheet 5
Feb 06/2009

THIS PAGE INTENTIONALLY LEFT BLANK



WIRING DIAGRAMS	
28-22-11	
28-22-12	
28-42-11	
28-42-12	
28-42-31	



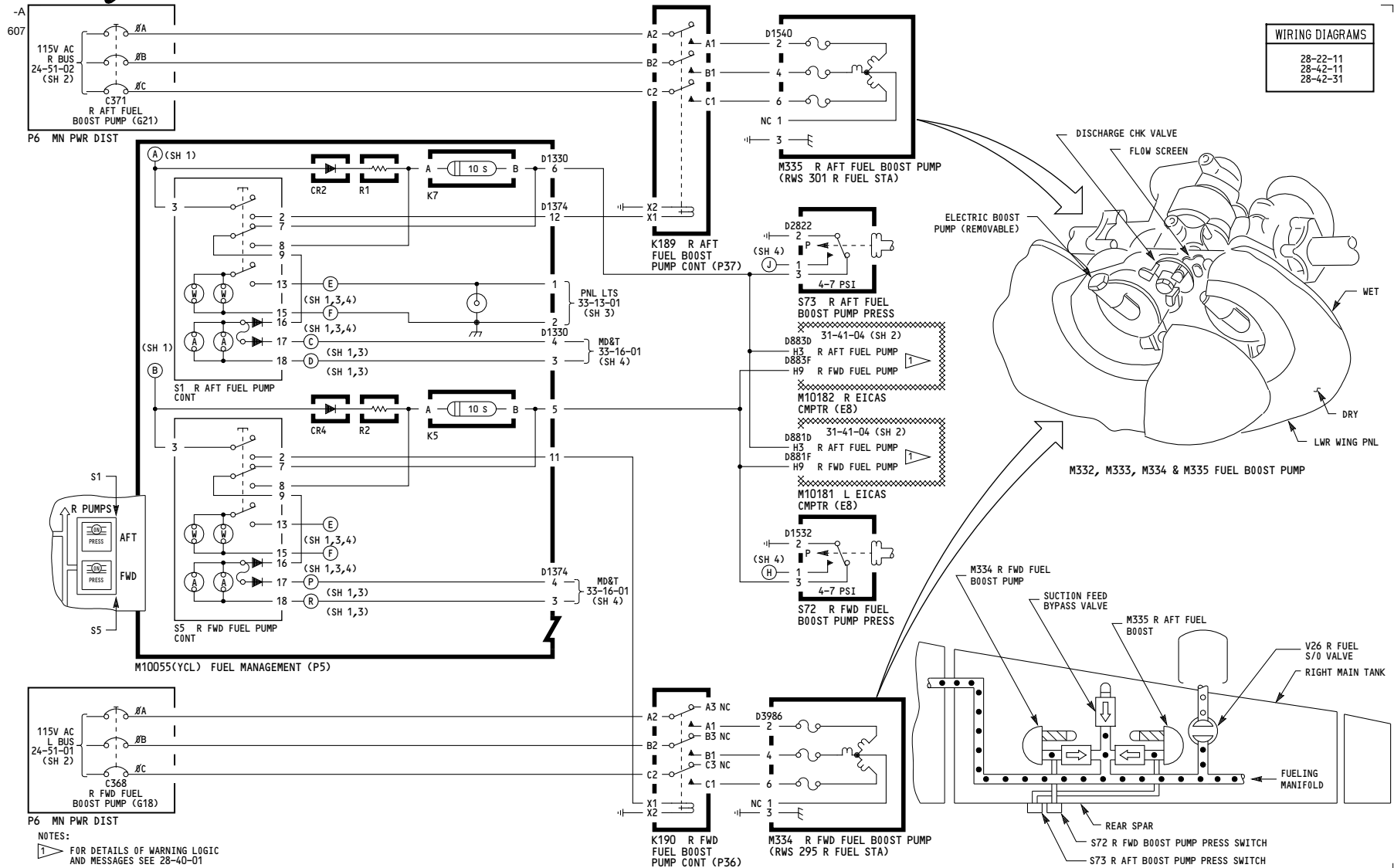
NOTES:
 FOR DETAILS OF WARNING LOGIC AND MESSAGES SEE 28-40-01
 BOOST PUMP FUEL PRESSURE ENGINE FUEL FEED

156-162, 164-167

FUEL FEED-ENGINE

D280T232

28-22-01



WIRING DIAGRAMS
28-22-11
28-42-11
28-42-31

NOTES:
1 FOR DETAILS OF WARNING LOGIC AND MESSAGES SEE 28-40-01

156-162, 164-167

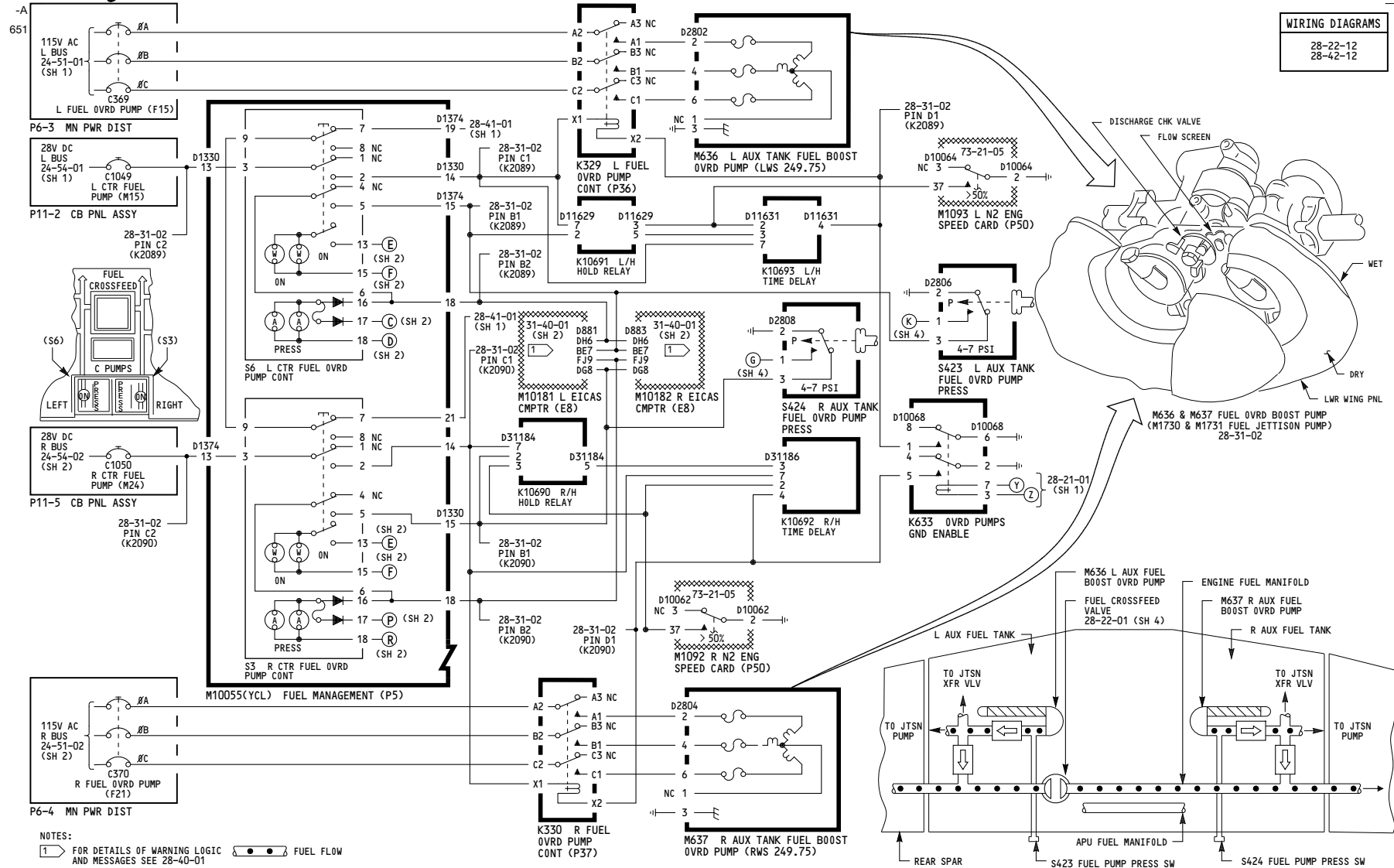
FUEL FEED-ENGINE

D280T232

28-22-01

Page 101.3
Sheet 2
Feb 06/2009

WIRING DIAGRAMS
28-22-12
28-42-12



NOTES:
1 FOR DETAILS OF WARNING LOGIC AND MESSAGES SEE 28-40-01

156-162, 164-167

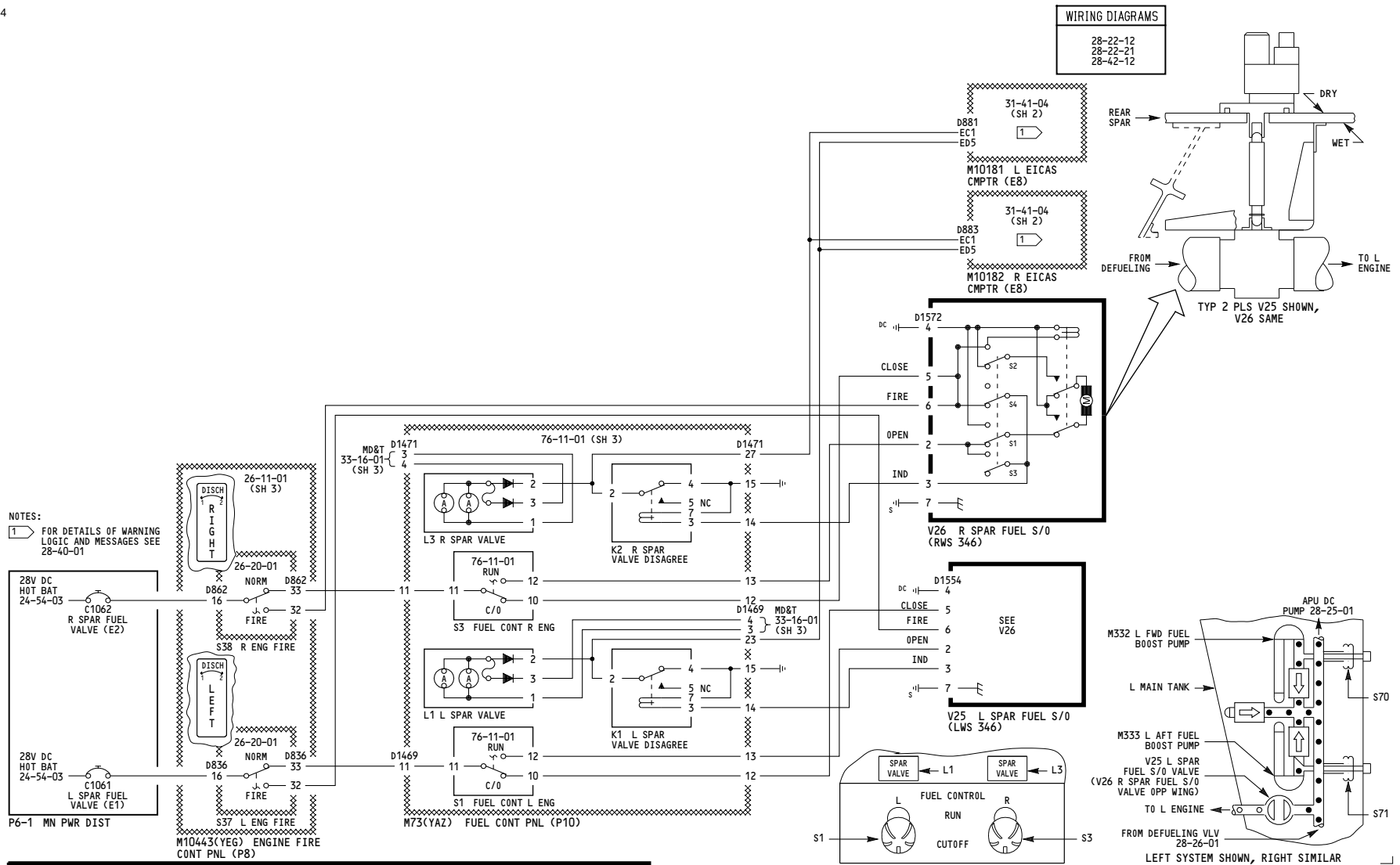
FUEL FEED-ENGINE

D280T232

Incorporates
28A0083 R01

28-22-01

-A
614



NOTES:
1 FOR DETAILS OF WARNING LOGIC AND MESSAGES SEE 28-40-01

156-162, 164-167

FUEL FEED-ENGINE

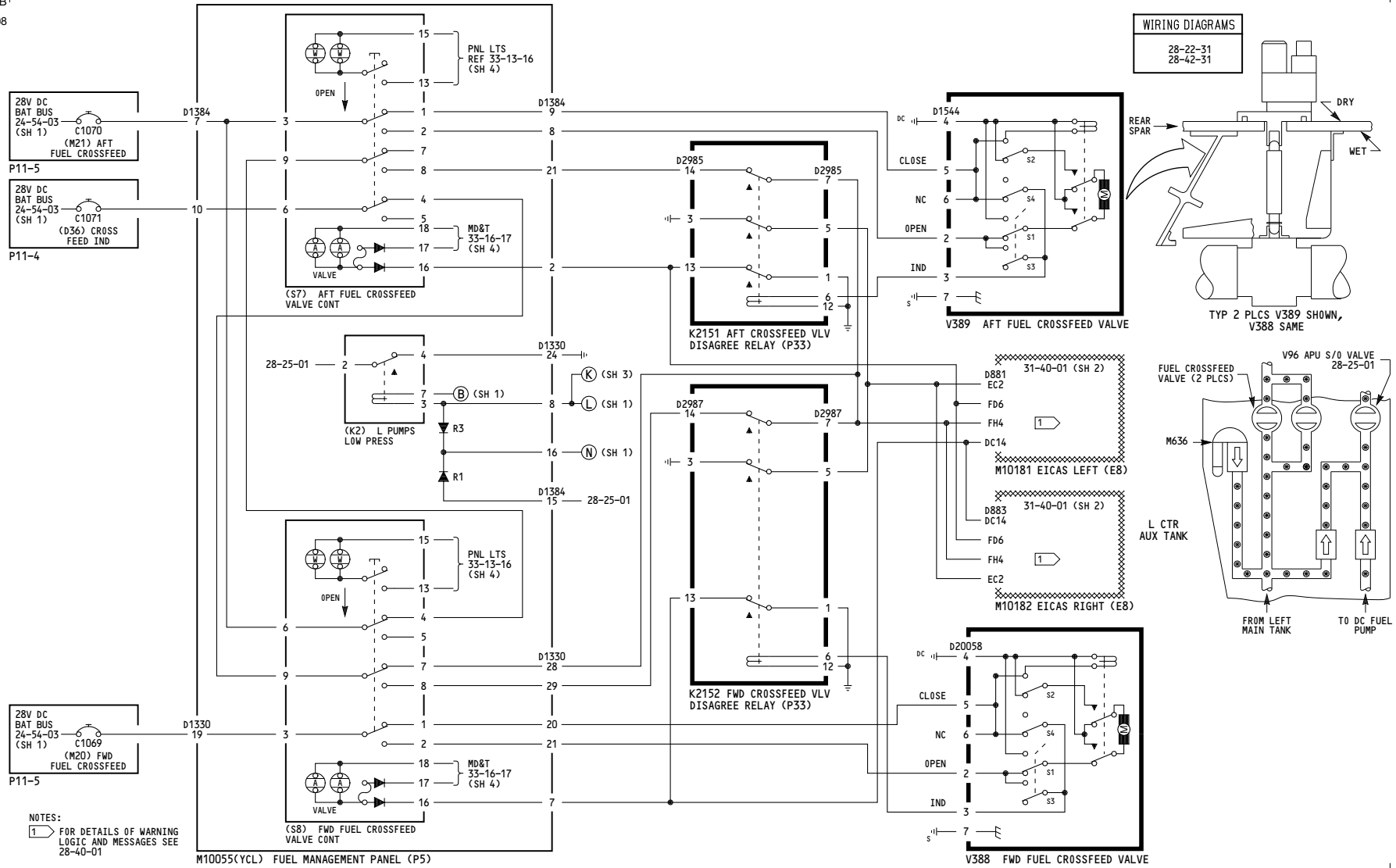
Incorporates
28-0034 R02

D280T232

28-22-01

Page 101.3
Sheet 4
Feb 06/2009

-B
608



156-162, 164-167

FUEL FEED-ENGINE

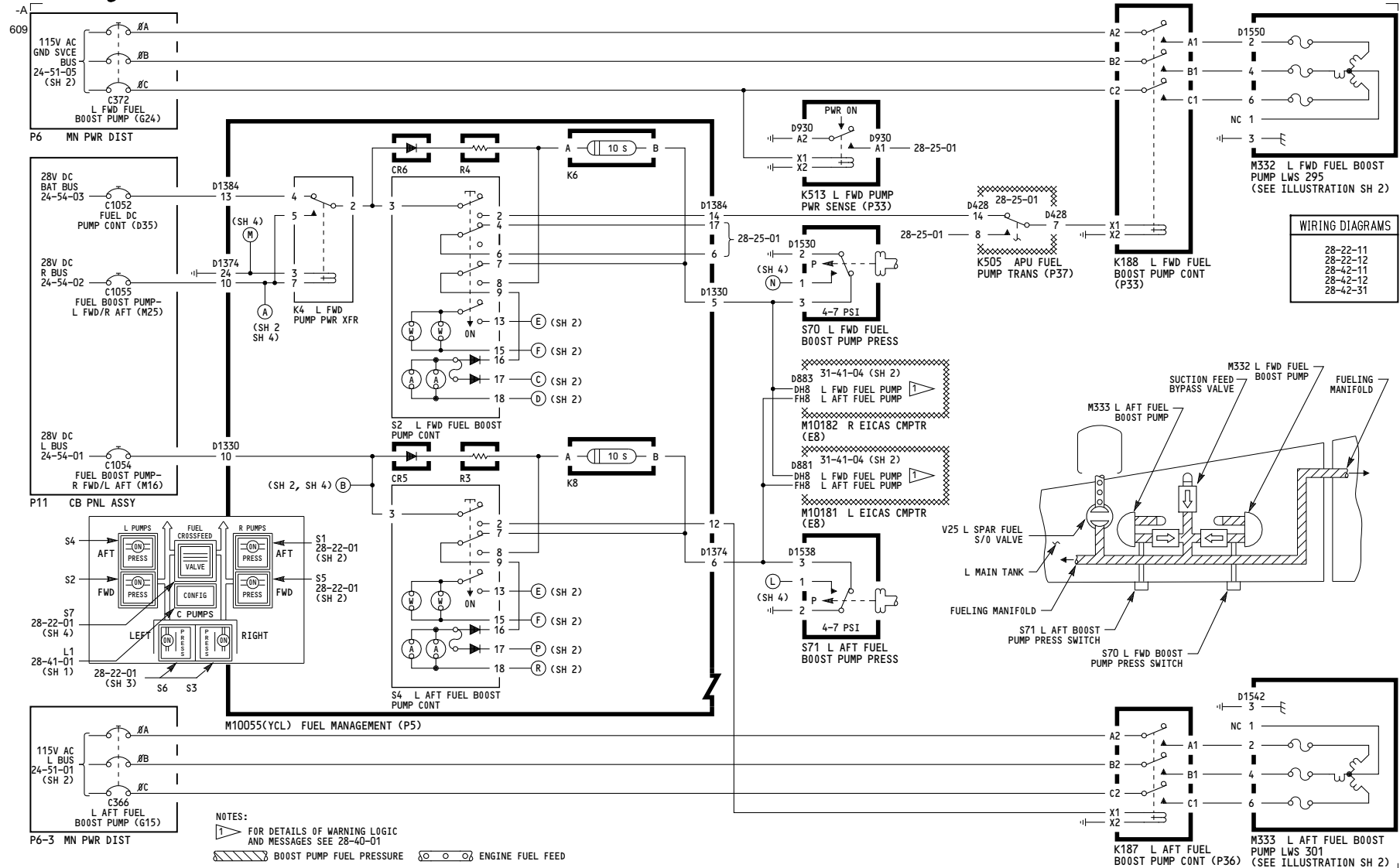
Incorporates
28-0034 R02

D280T232

28-22-01

Page 101.3
Sheet 5
Feb 06/2009

THIS PAGE INTENTIONALLY LEFT BLANK



276-280

FUEL FEED-ENGINE

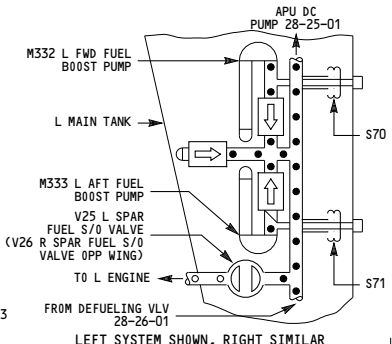
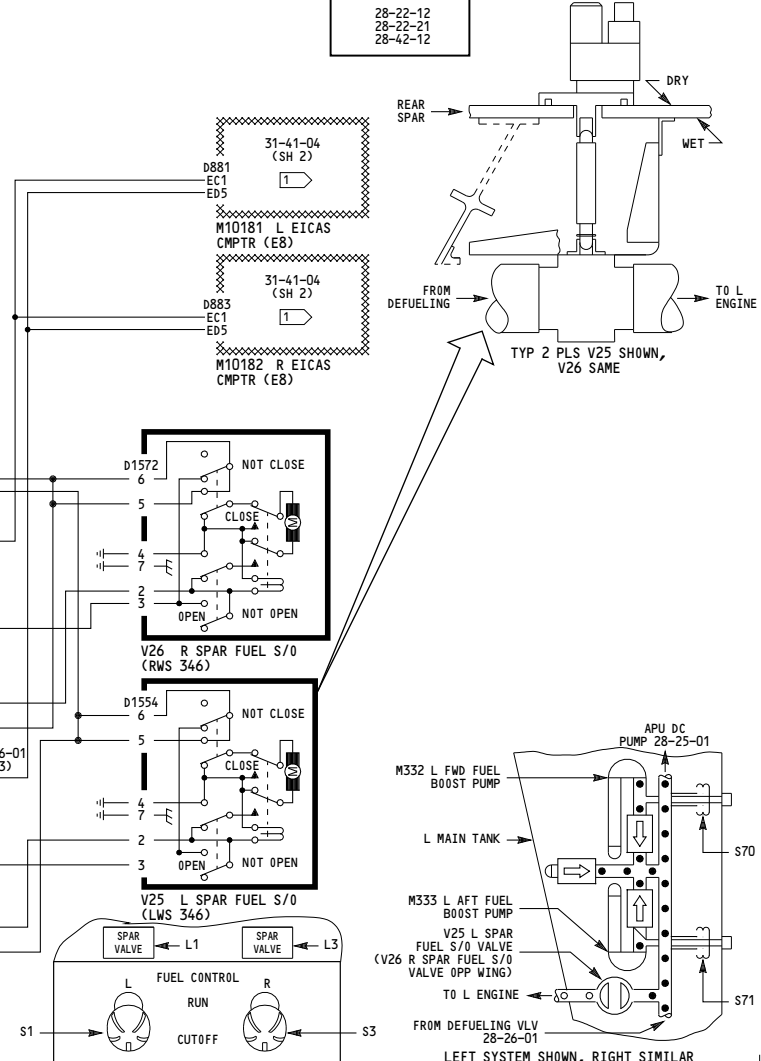
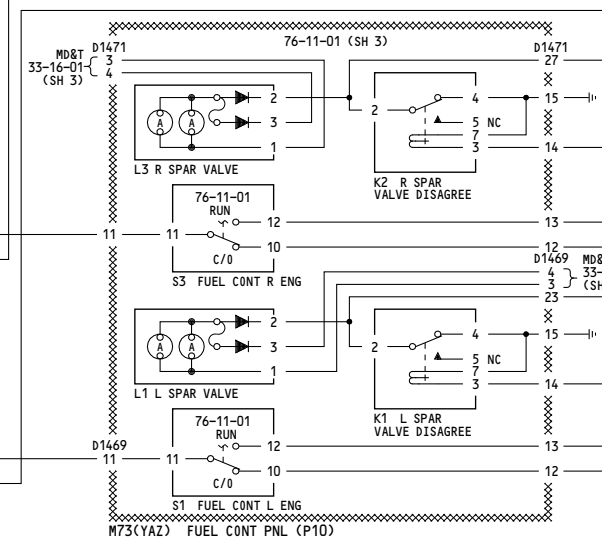
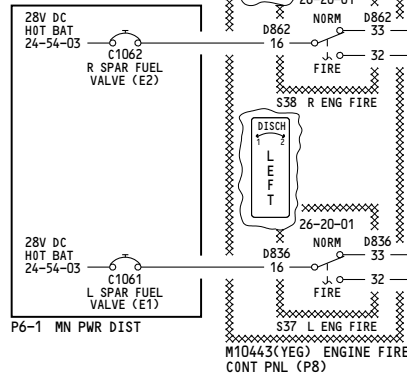
D280T232

28-22-01

WIRING DIAGRAMS

28-22-12
28-22-21
28-42-12

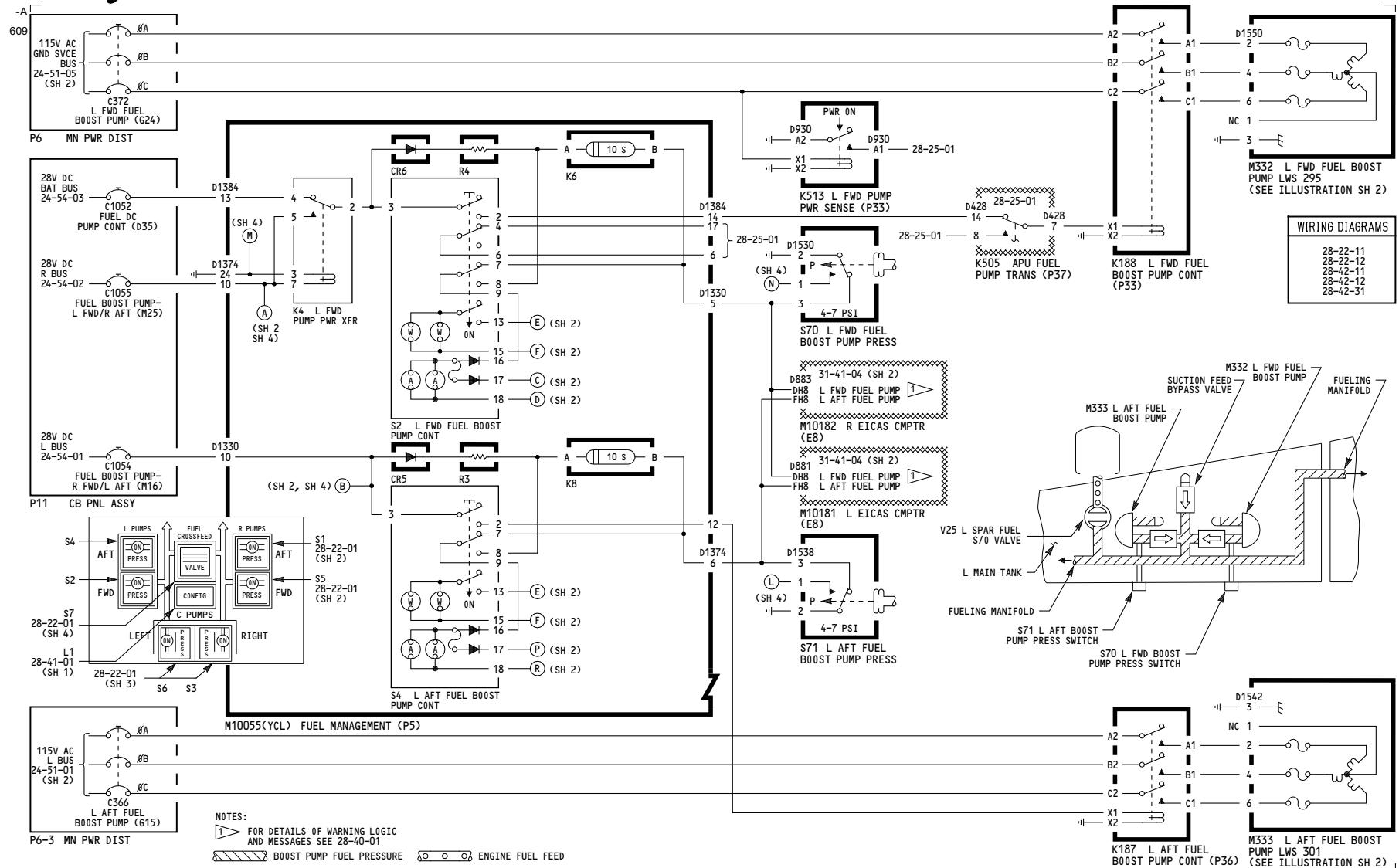
NOTES:
1 FOR DETAILS OF WARNING LOGIC AND MESSAGES SEE 28-40-01



276-280	FUEL FEED-ENGINE	Incorporates ▾ 28-0034 R02 ▾ 28-0066 R01
D280T232		

28-22-01

THIS PAGE INTENTIONALLY LEFT BLANK



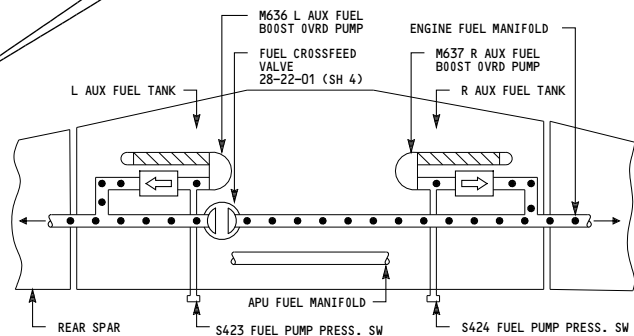
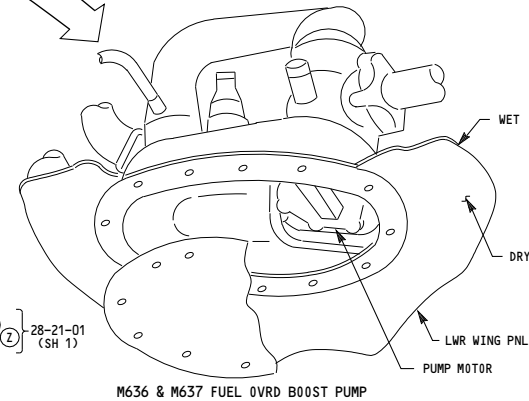
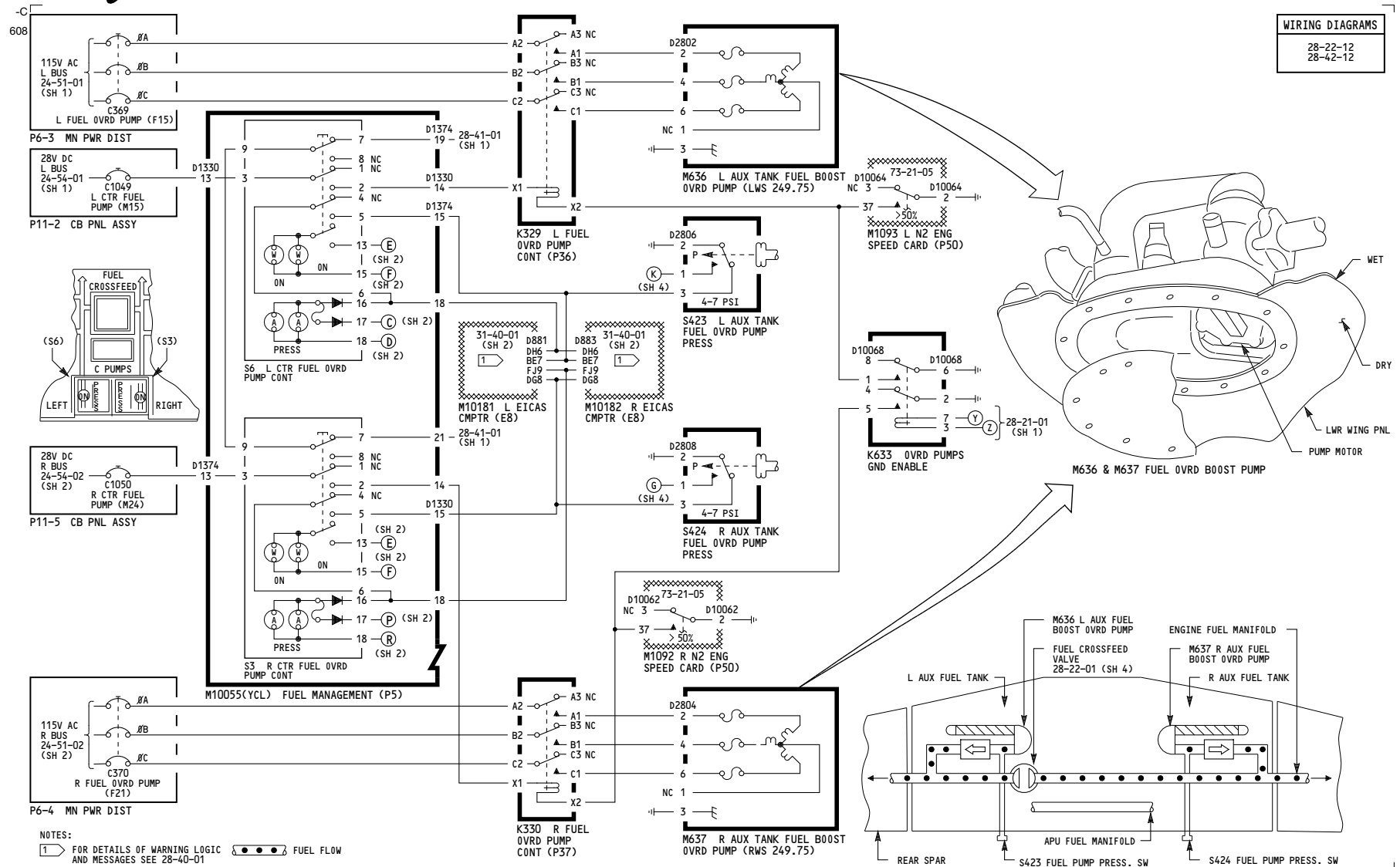
150-154, 275

FUEL FEED-ENGINE

D280T232

28-22-01

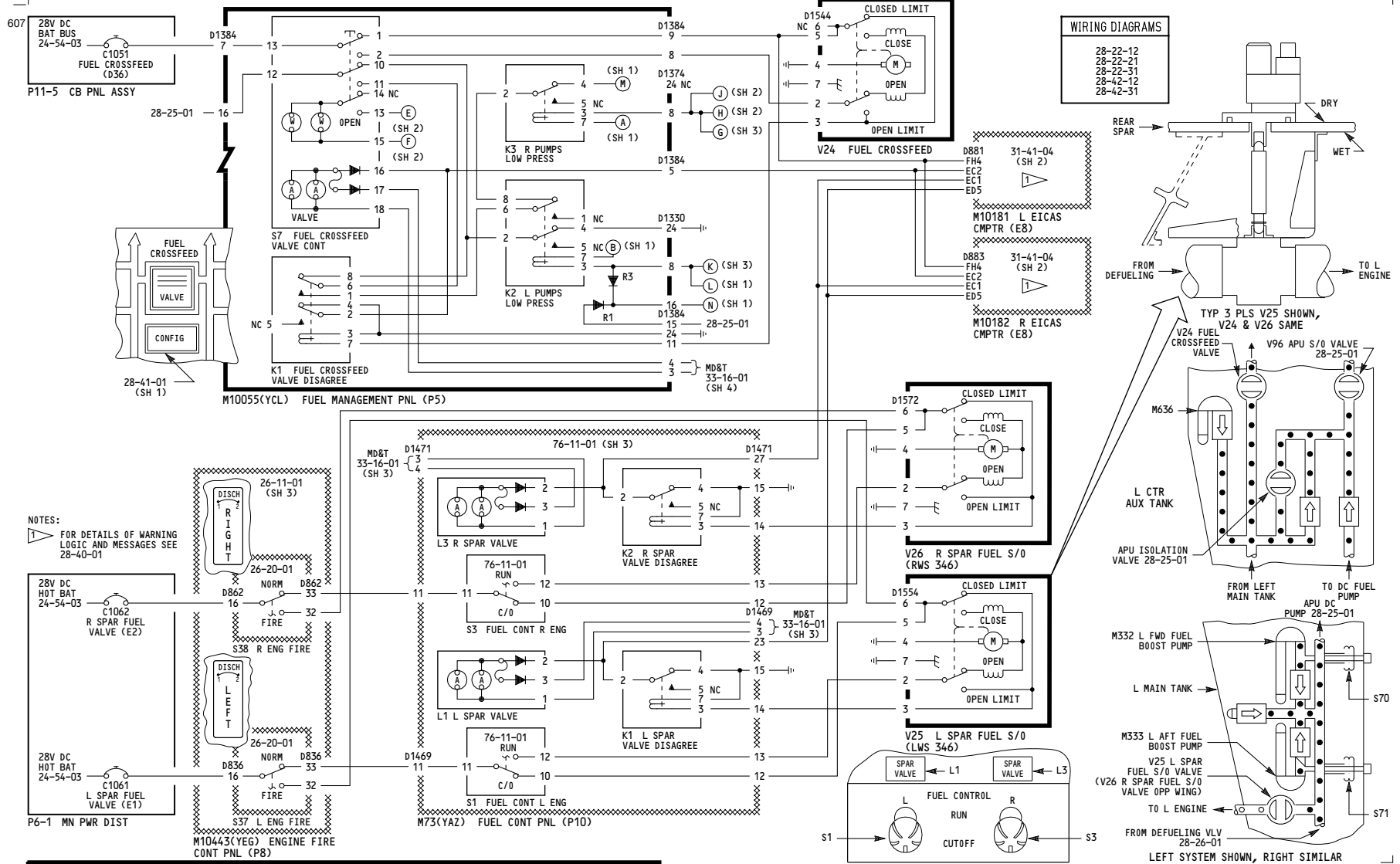
WIRING DIAGRAMS
28-22-12
28-42-12



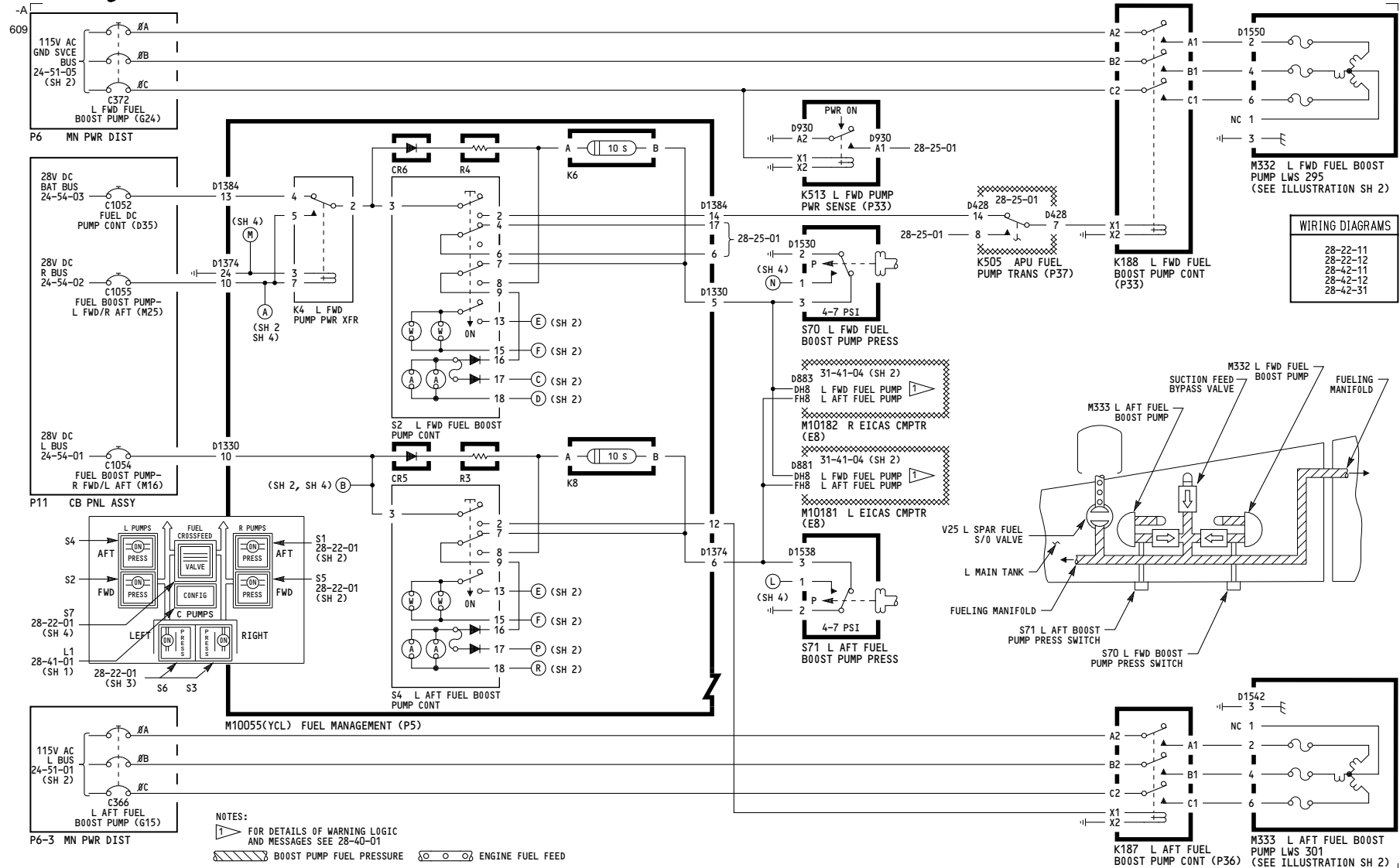
NOTES:
 1 FOR DETAILS OF WARNING LOGIC AND MESSAGES SEE 28-40-01
 FUEL FLOW

150-154, 275	FUEL FEED-ENGINE
D280T232	

28-22-01



28-22-01

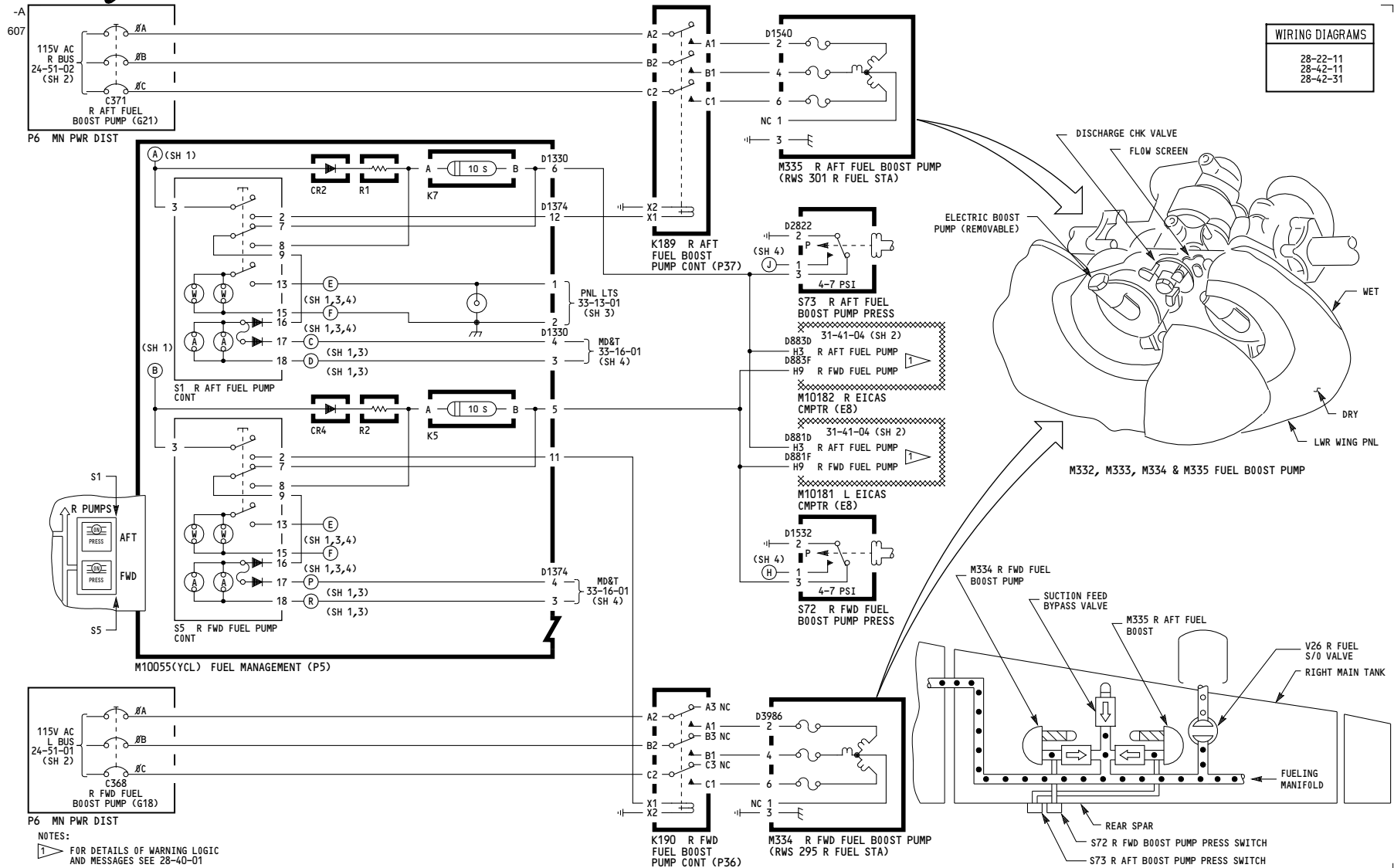


150-154

FUEL FEED-ENGINE

D280T232

28-22-01



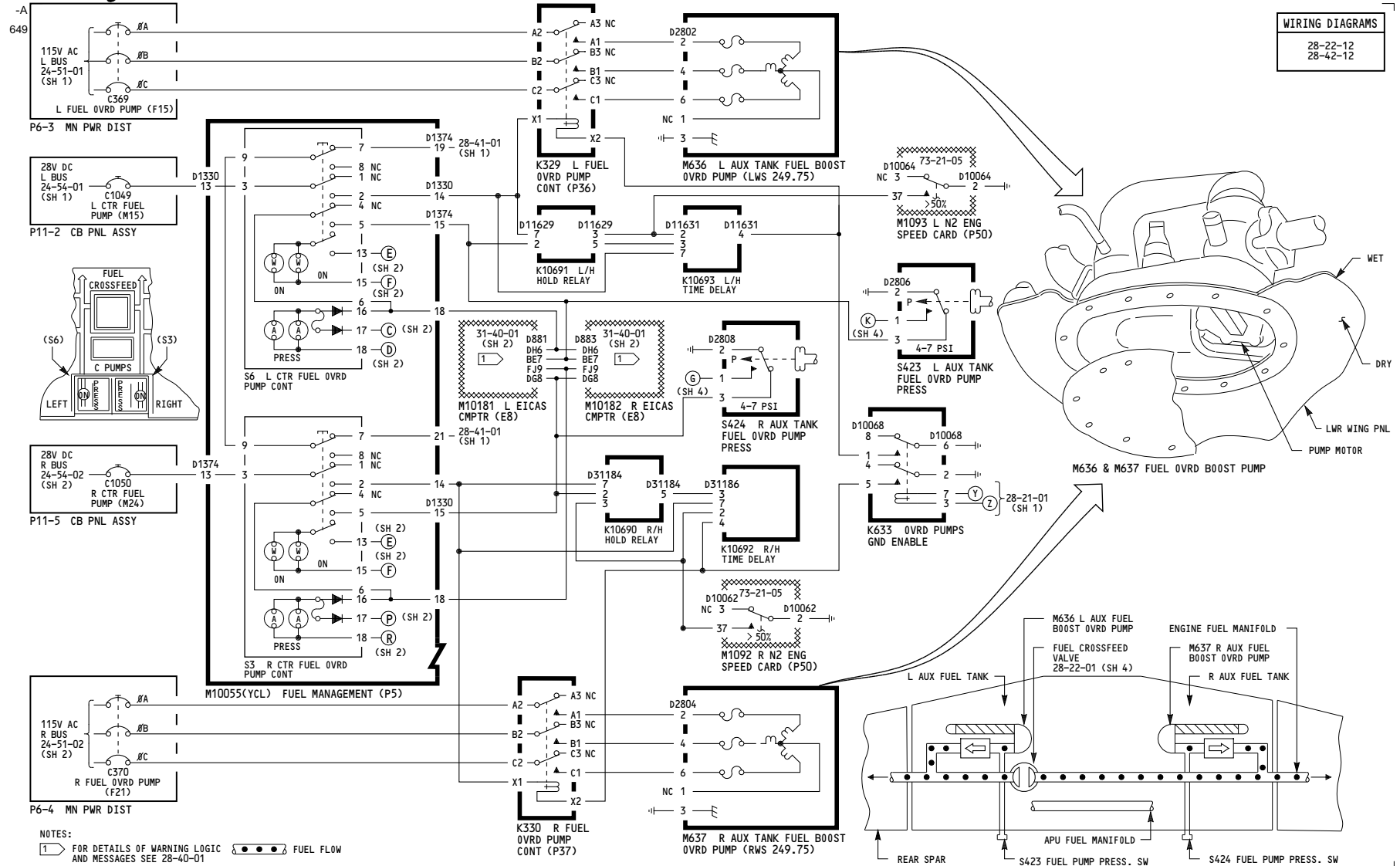
150-154

FUEL FEED-ENGINE

D280T232

28-22-01

WIRING DIAGRAMS
28-22-12
28-42-12



NOTES:
1 FOR DETAILS OF WARNING LOGIC AND MESSAGES SEE 28-40-01

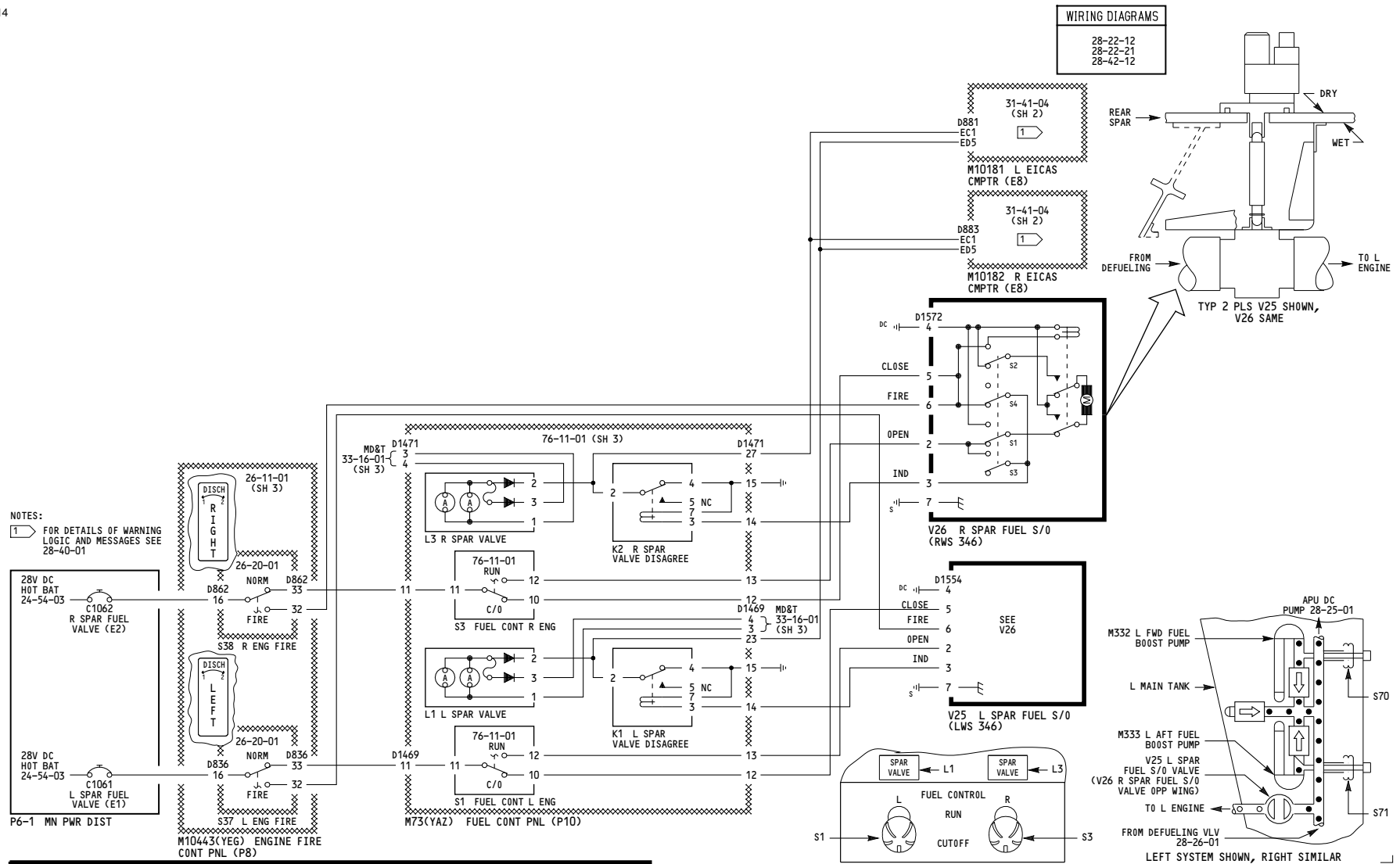
150-154

FUEL FEED-ENGINE

D280T232

Incorporates
28A0083 R01

28-22-01



150-154

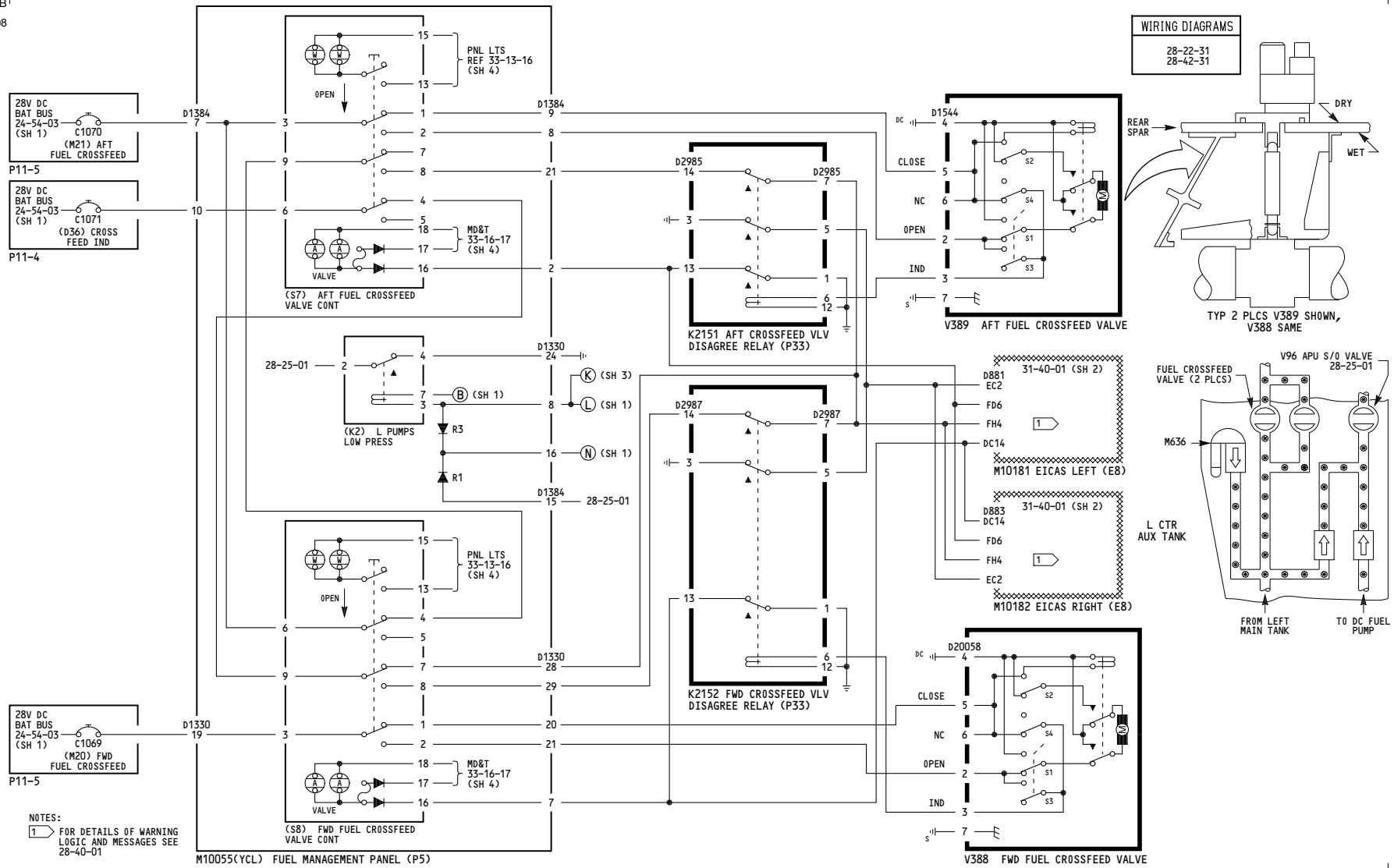
FUEL FEED-ENGINE

Incorporates
28-0034 R02

D280T232

28-22-01

-B
608



150-154

FUEL FEED-ENGINE

D280T232

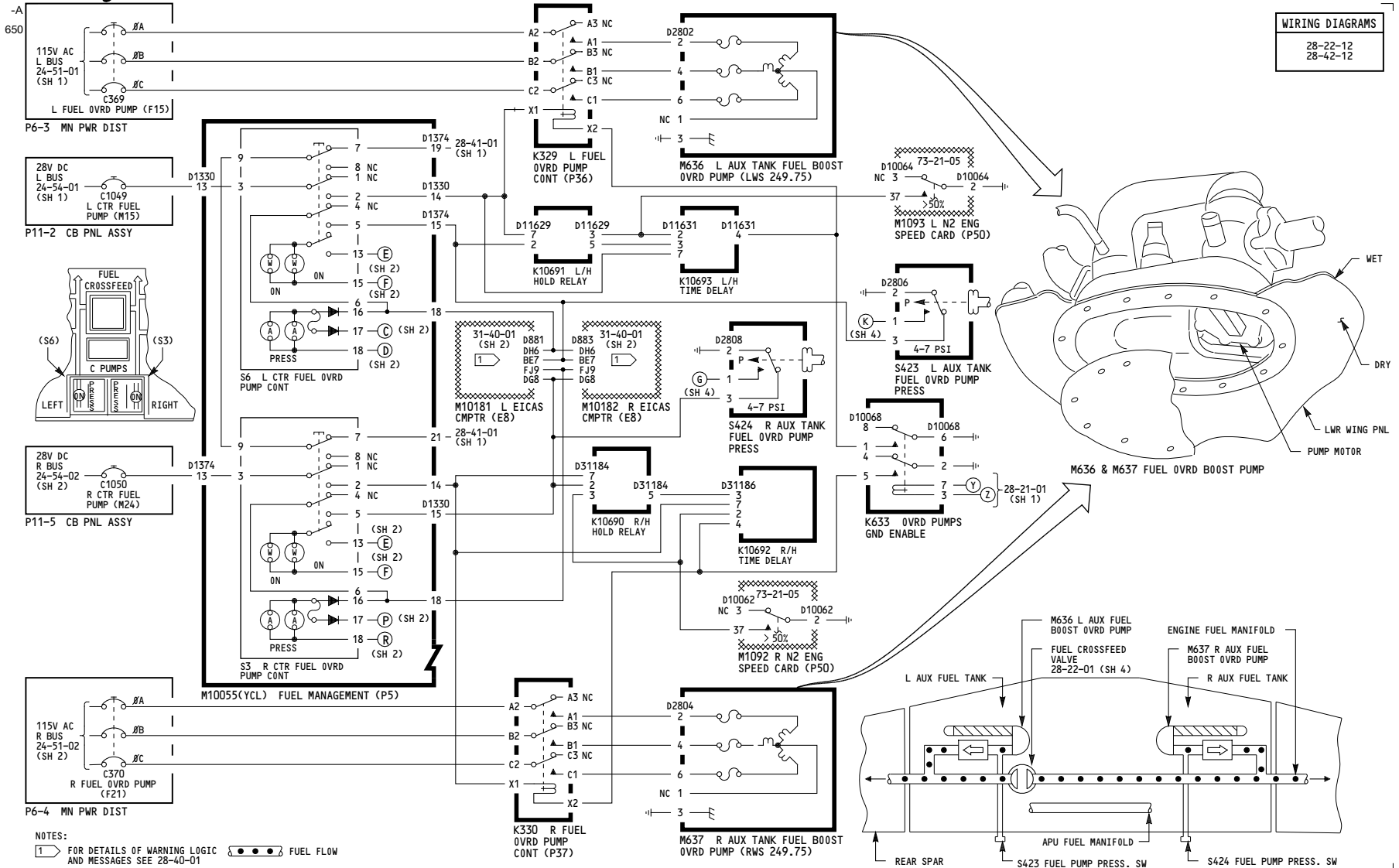
Incorporates
28-0034 R02

28-22-01

Page 102.1
Sheet 5
Mar 07/2008

THIS PAGE INTENTIONALLY LEFT BLANK

WIRING DIAGRAMS
28-22-12
28-42-12

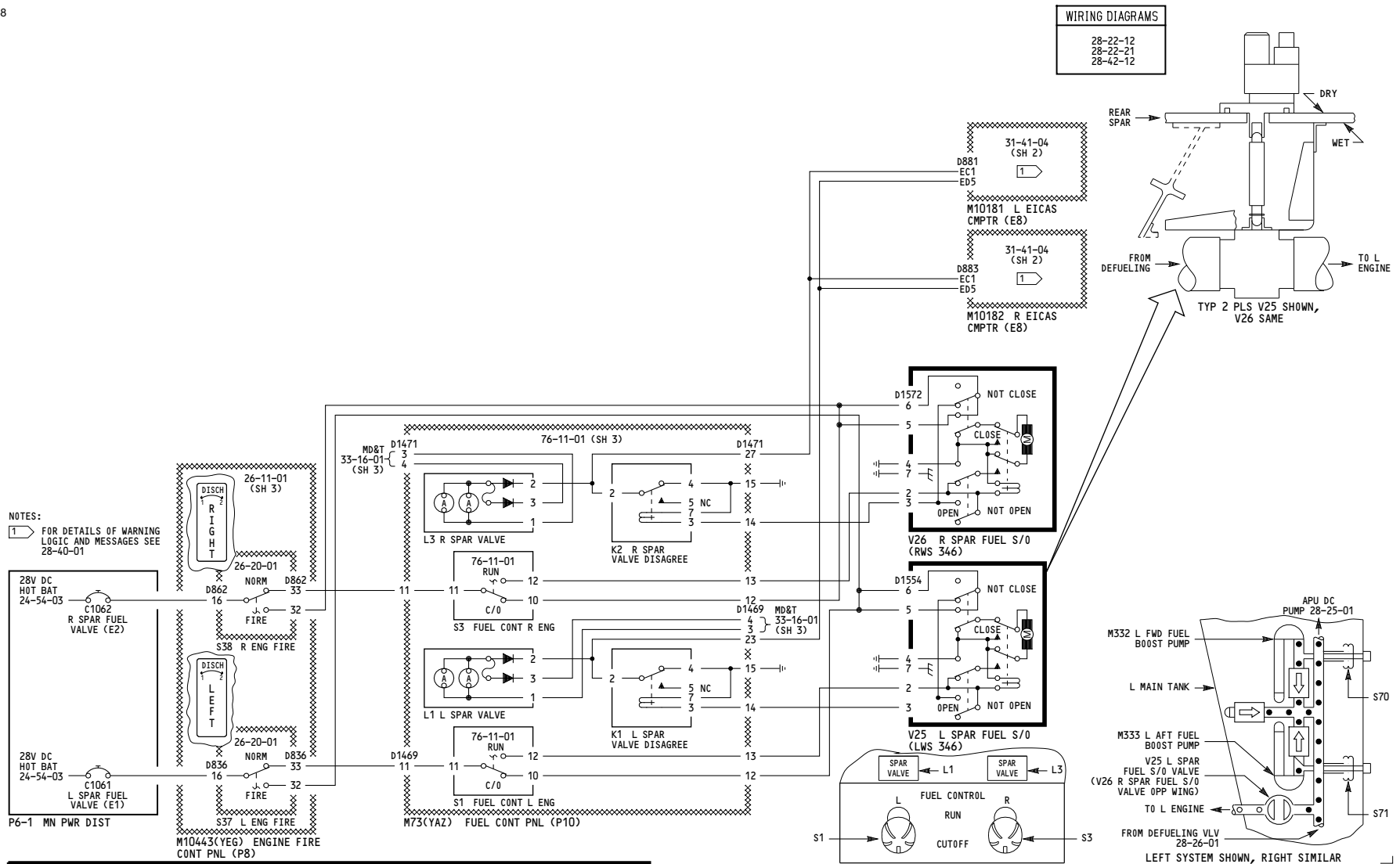


NOTES:
1 FOR DETAILS OF WARNING LOGIC AND MESSAGES SEE 28-40-01

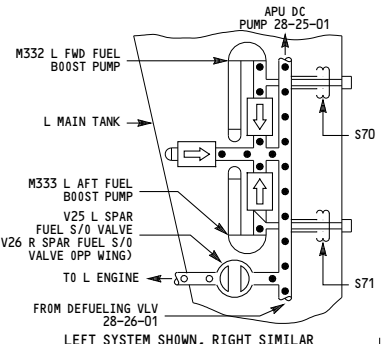
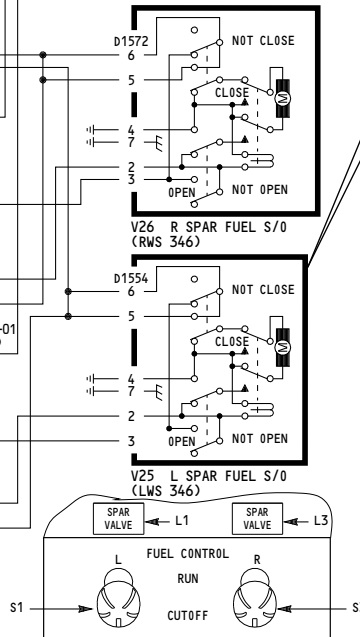
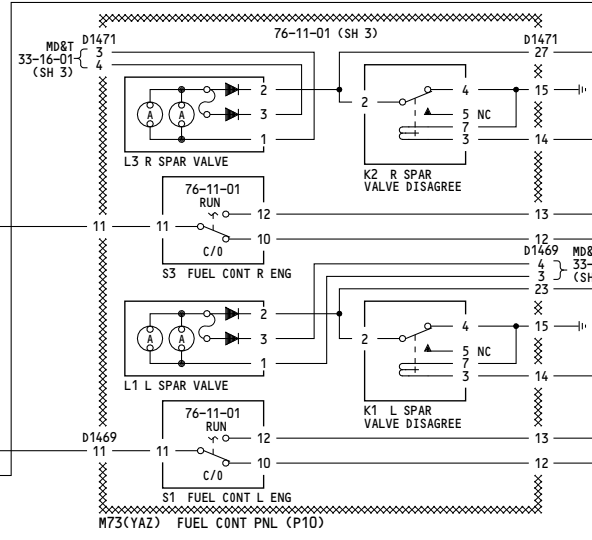
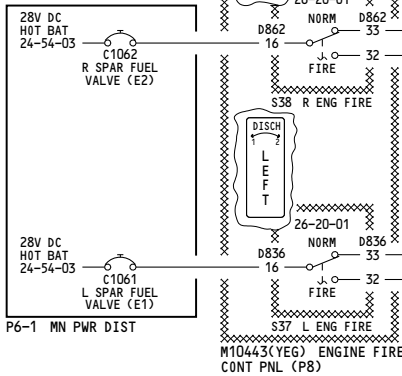
275	<p>FUEL FEED-ENGINE</p> <p>D280T232</p>
-----	--

Incorporates
28A0083 R01

28-22-01



NOTES:
 1 FOR DETAILS OF WARNING LOGIC AND MESSAGES SEE 28-40-01



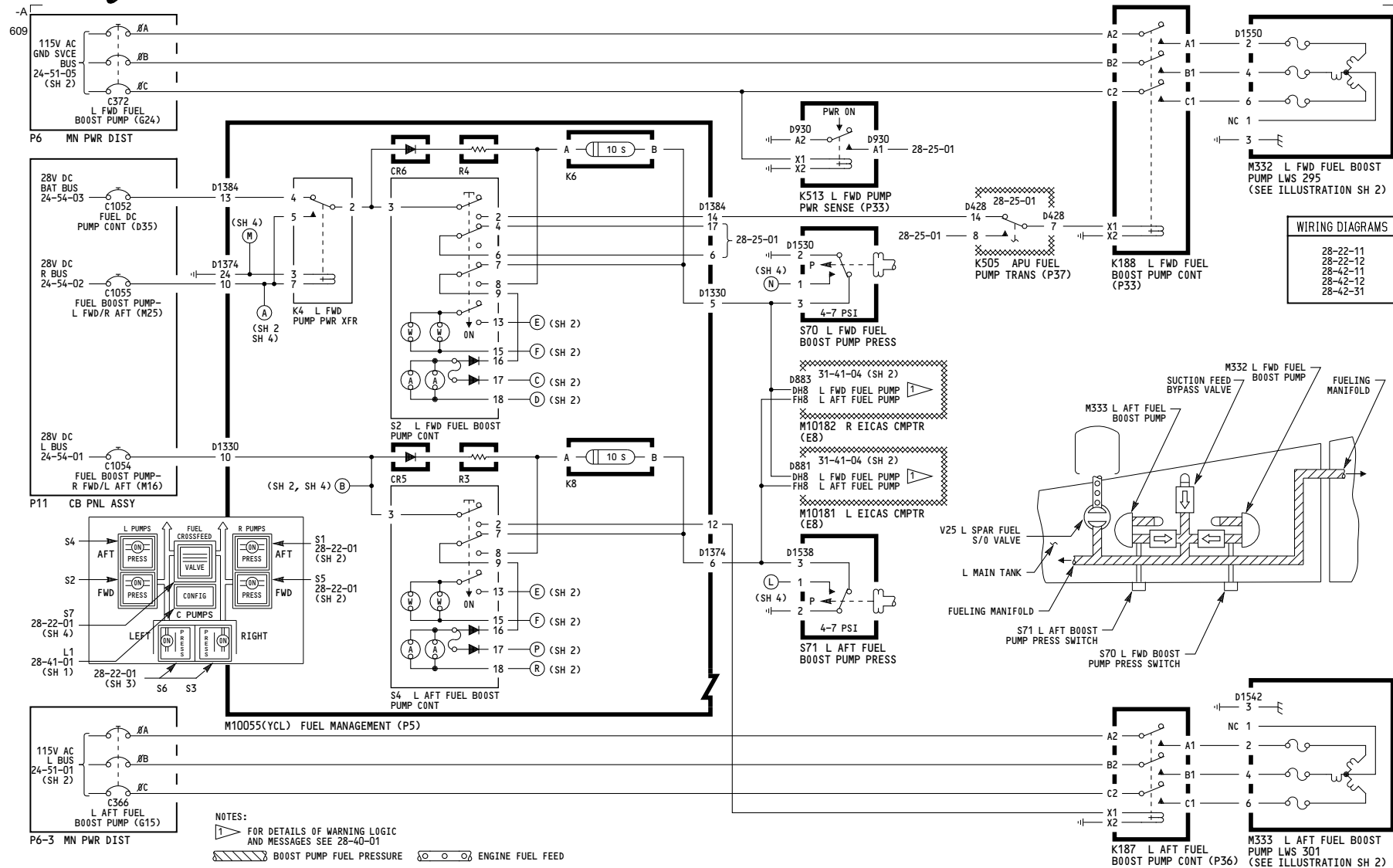
275	<p>FUEL FEED-ENGINE</p> <p>D280T232</p>
-----	---

Incorporates
 28-0034 R02
 28-0066 R01

WIRING DIAGRAMS
 28-22-12
 28-22-21
 28-42-12

28-22-01

THIS PAGE INTENTIONALLY LEFT BLANK



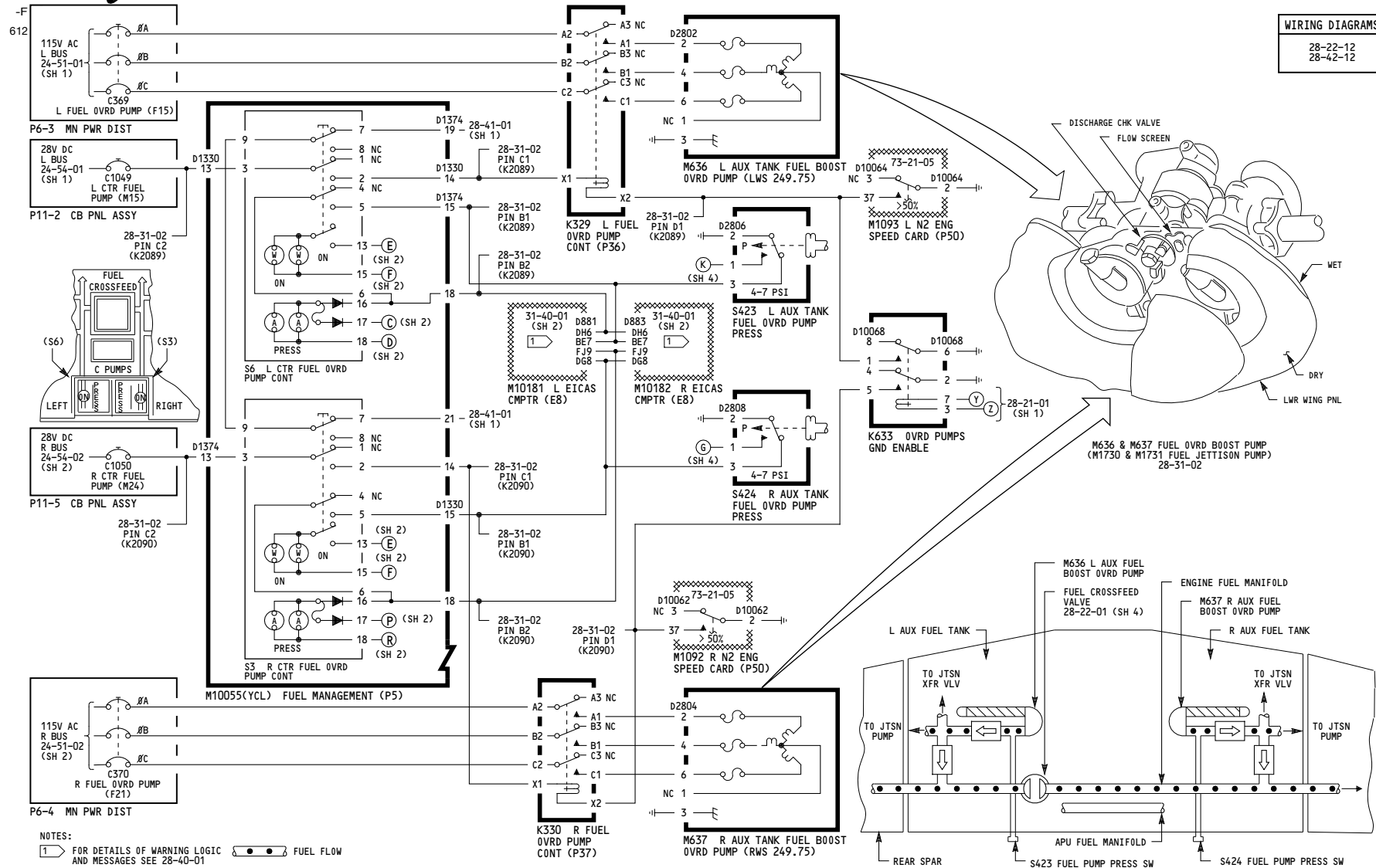
157, 167-199, 277-299

FUEL FEED-ENGINE

D280T232

28-22-01

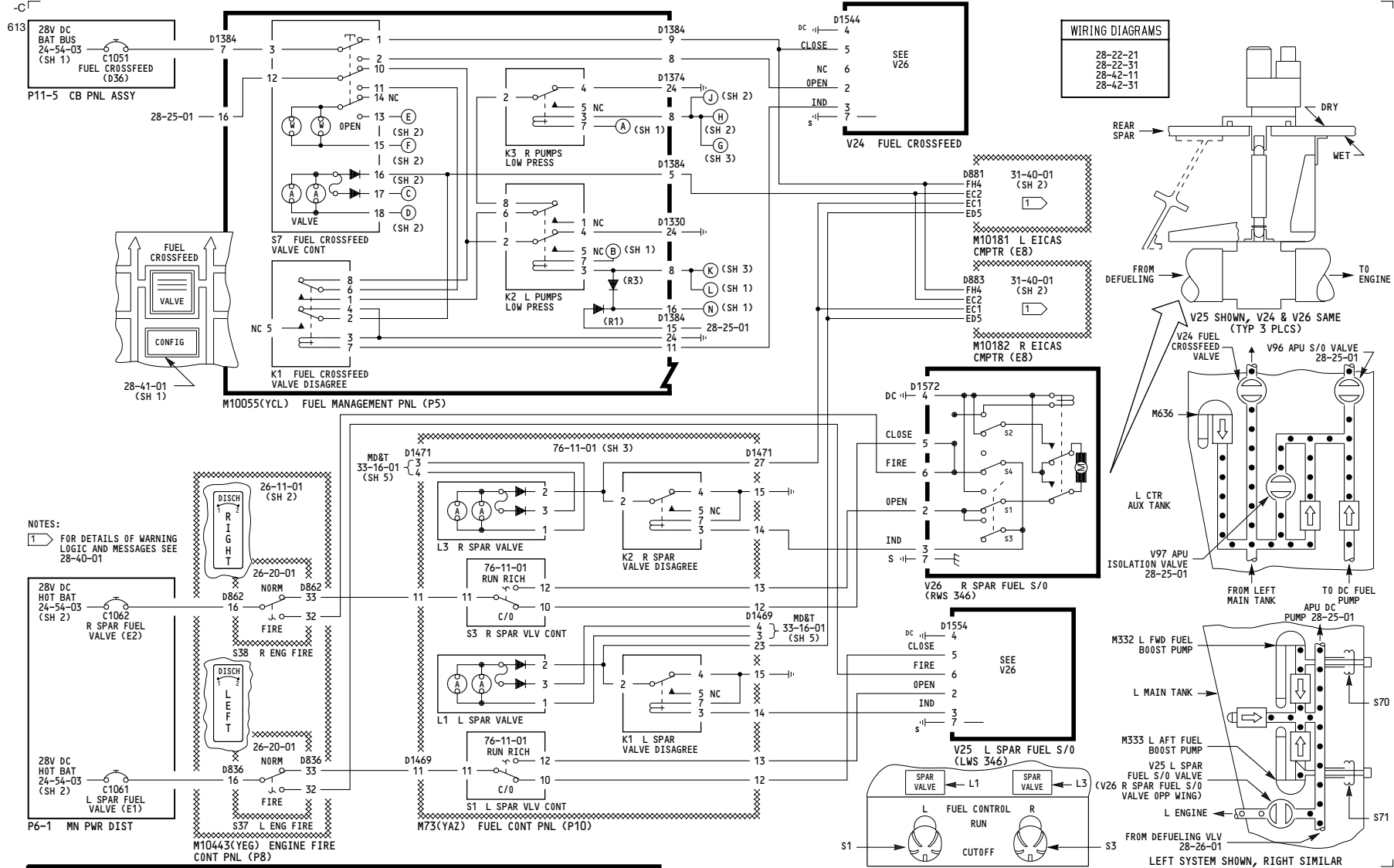
WIRING DIAGRAMS
28-22-12
28-42-12



NOTES:
 1 FOR DETAILS OF WARNING LOGIC AND MESSAGES SEE 28-40-01
 FUEL FLOW

157, 167-199, 277-299	FUEL FEED-ENGINE
D280T232	

28-22-01

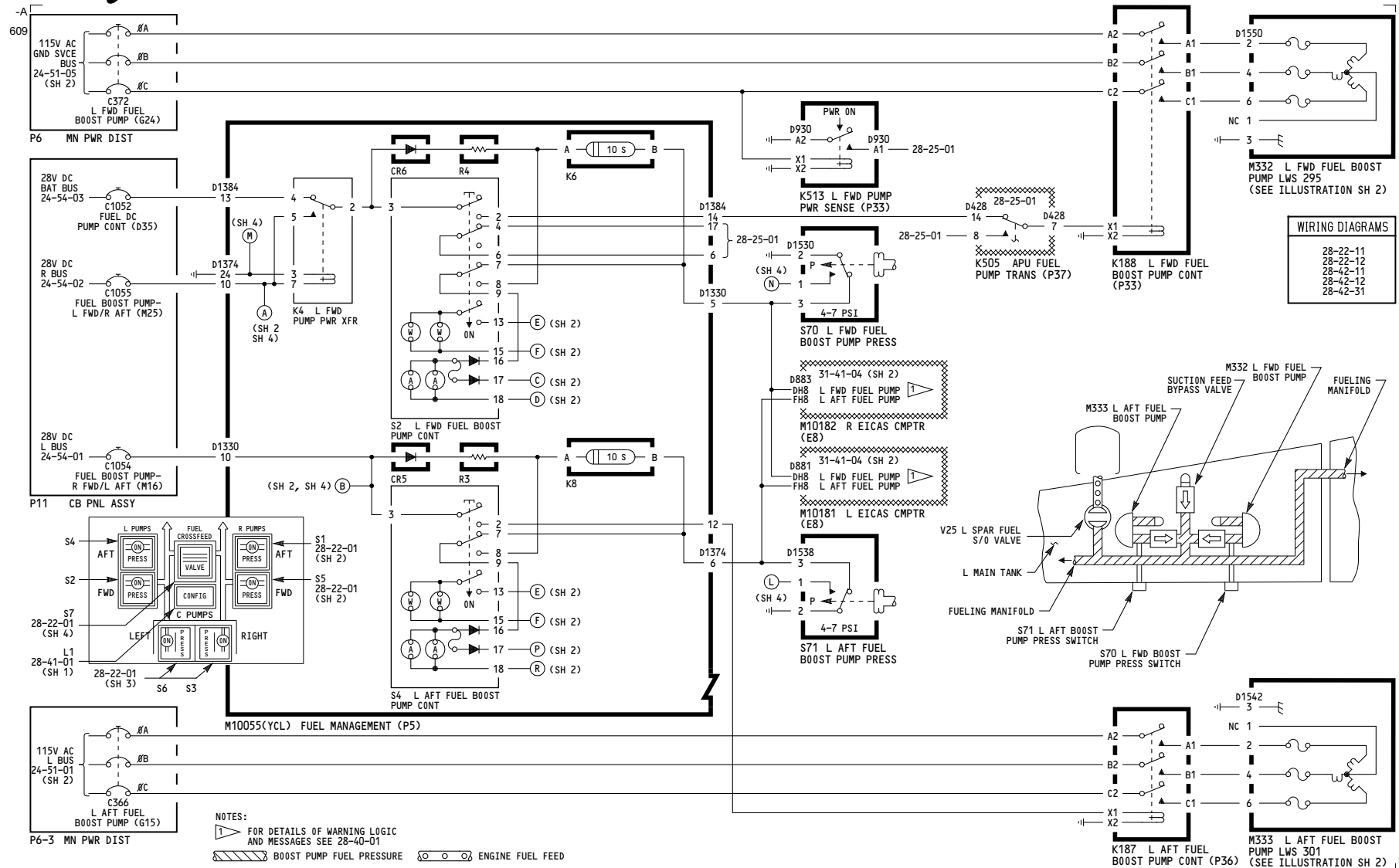


NOTES:
 1 FOR DETAILS OF WARNING LOGIC AND MESSAGES SEE 28-40-01

157, 167-199, 277-299

FUEL FEED-ENGINE
 D280T232

28-22-01

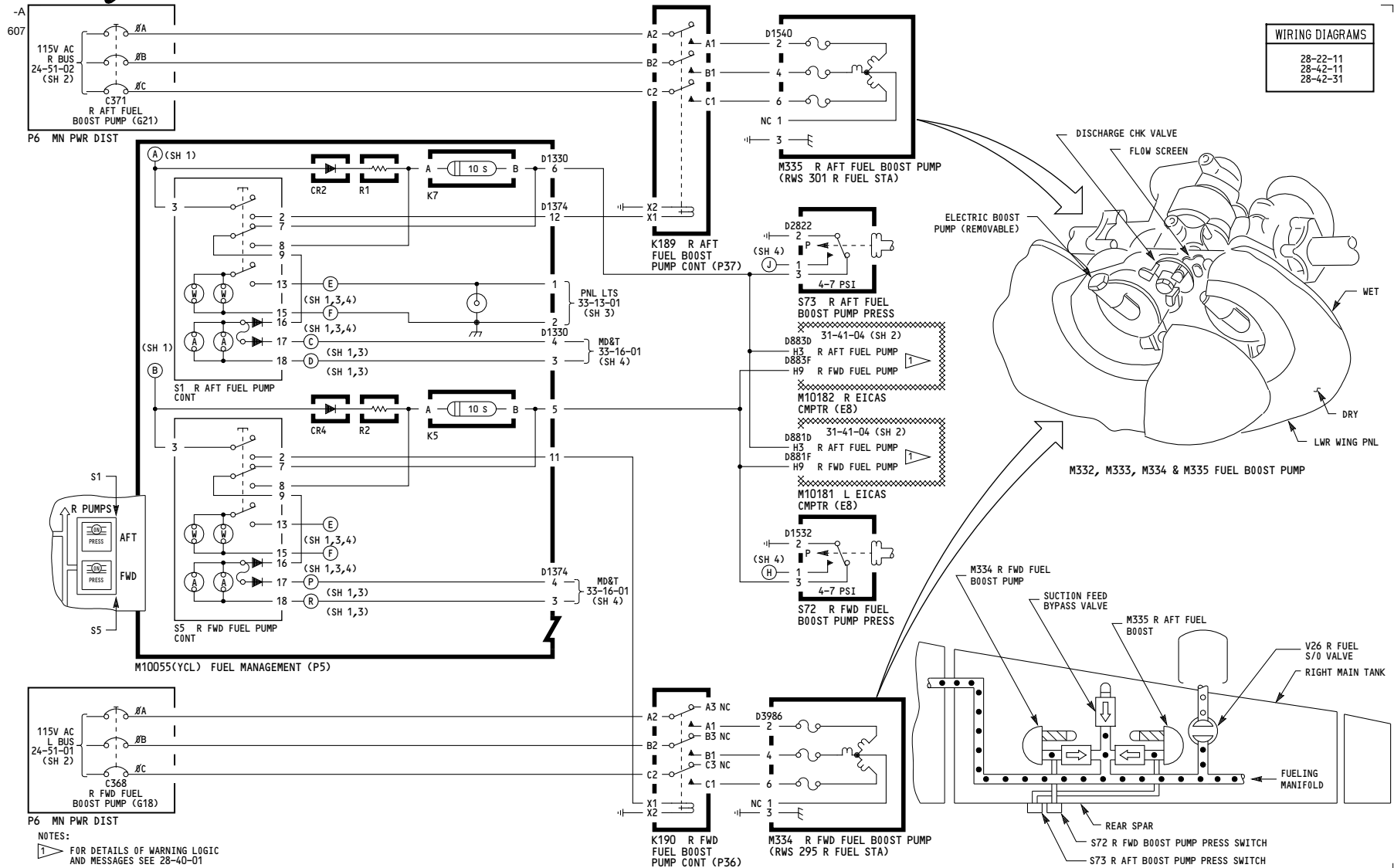


164

FUEL FEED-ENGINE

D280T232

28-22-01



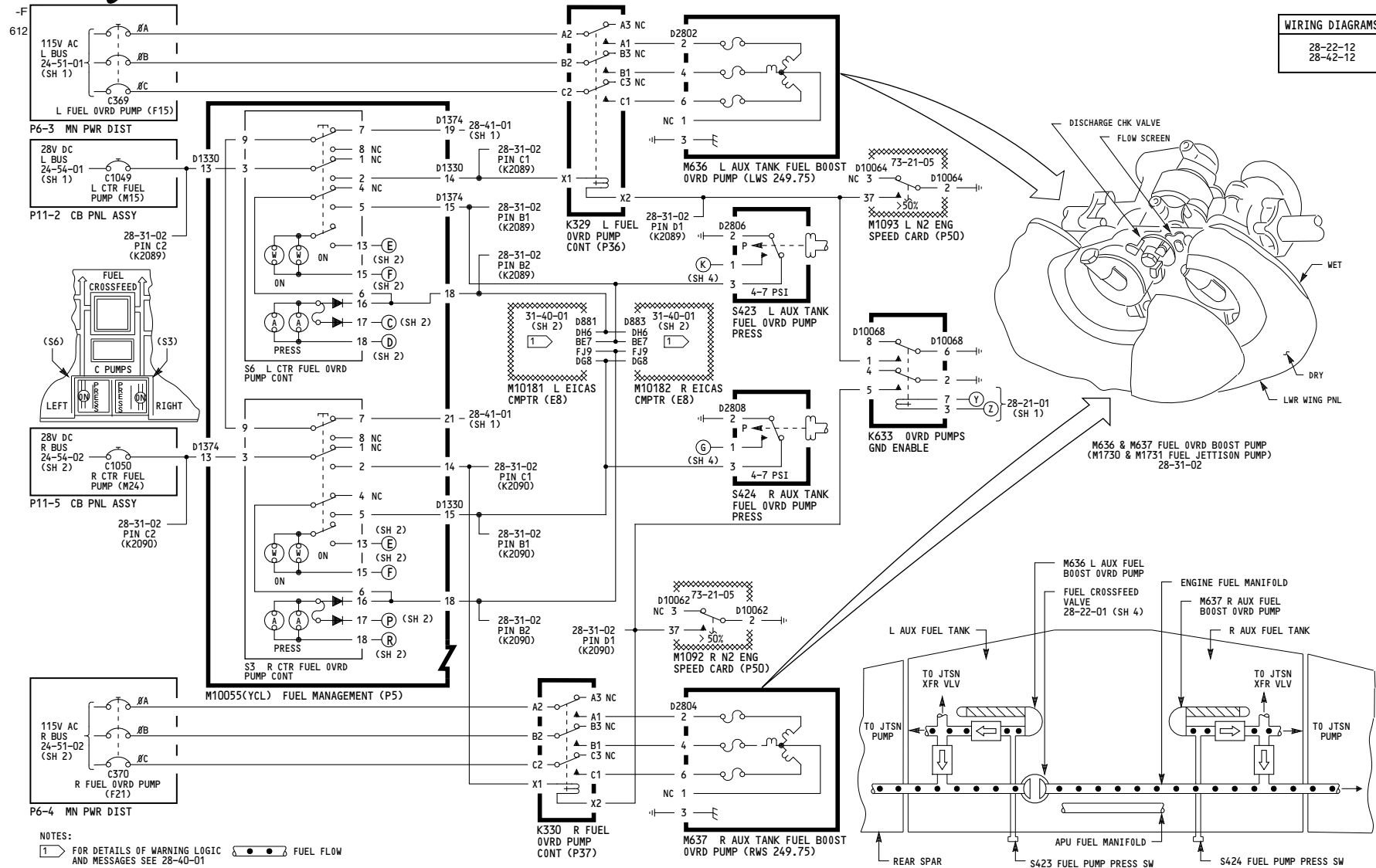
164

FUEL FEED-ENGINE

D280T232

28-22-01

WIRING DIAGRAMS
28-22-12
28-42-12



NOTES:
 1 FOR DETAILS OF WARNING LOGIC AND MESSAGES SEE 28-40-01
 FUEL FLOW

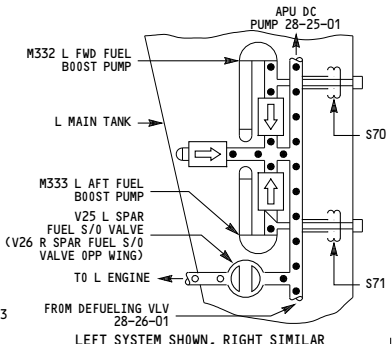
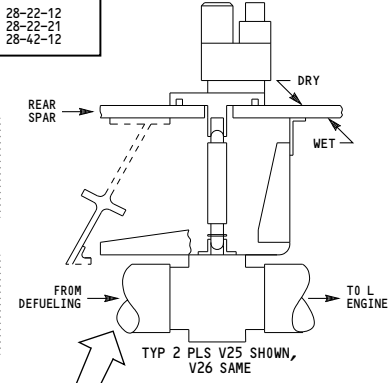
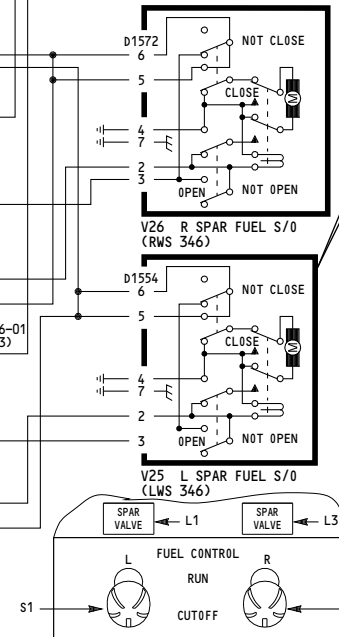
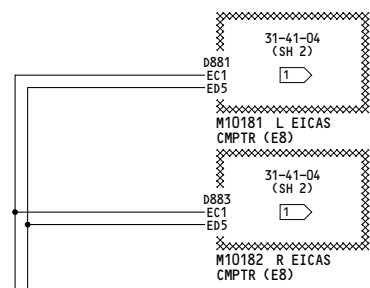
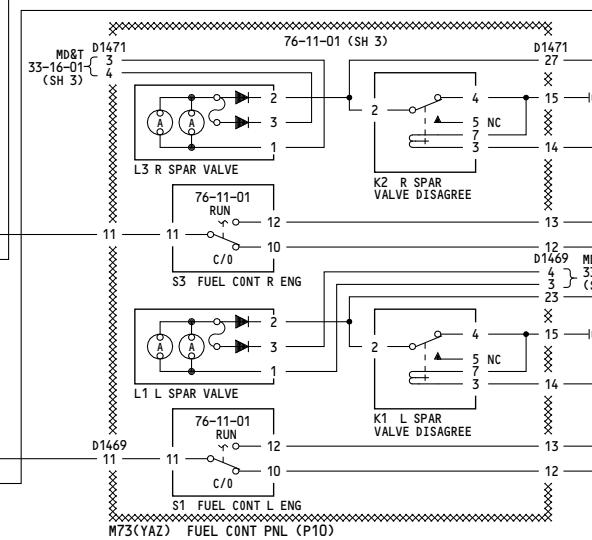
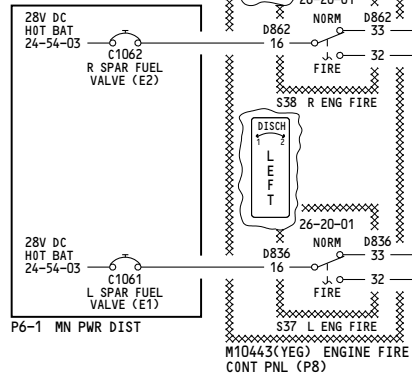
164	<p>FUEL FEED-ENGINE</p> <p>D280T232</p>
-----	--

28-22-01

WIRING DIAGRAMS

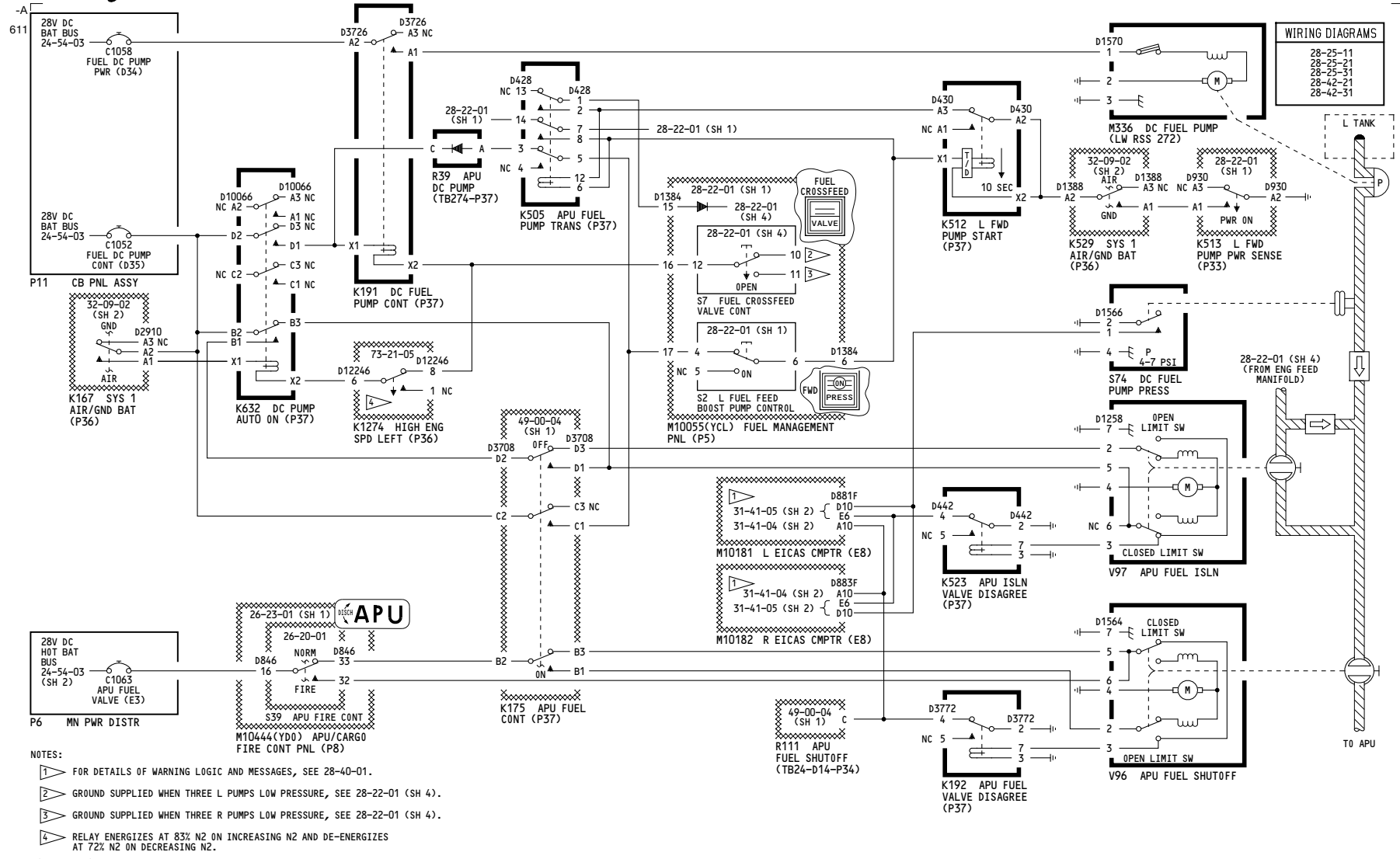
28-22-12
28-22-21
28-42-12

NOTES:
1 FOR DETAILS OF WARNING LOGIC AND MESSAGES SEE 28-40-01



164	FUEL FEED-ENGINE
	D280T232

28-22-01



WIRING DIAGRAMS	
28-25-11	
28-25-21	
28-25-31	
28-42-21	
28-42-31	

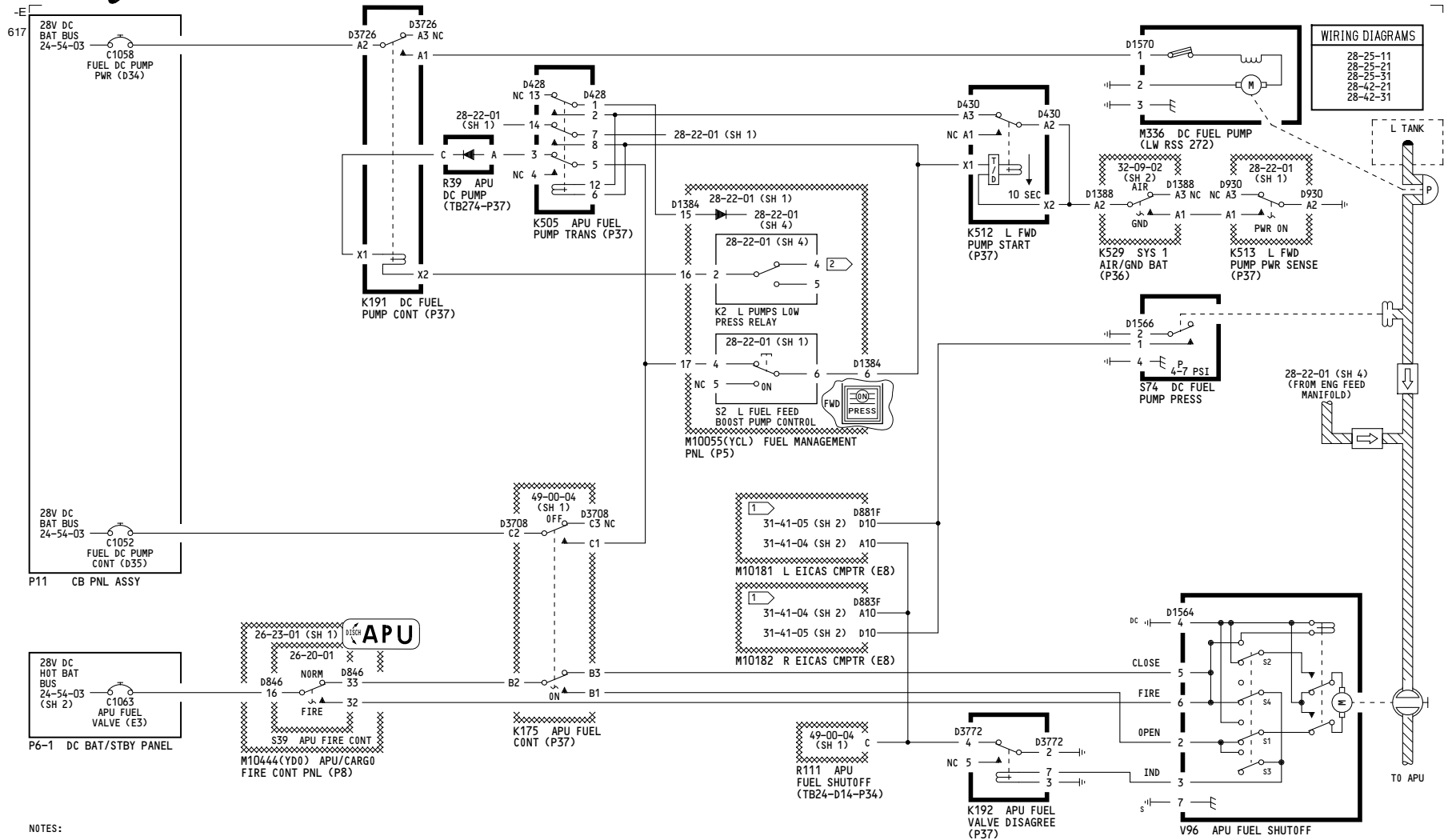
- NOTES:
- 1 FOR DETAILS OF WARNING LOGIC AND MESSAGES, SEE 28-40-01.
 - 2 GROUND SUPPLIED WHEN THREE L PUMPS LOW PRESSURE, SEE 28-22-01 (SH 4).
 - 3 GROUND SUPPLIED WHEN THREE R PUMPS LOW PRESSURE, SEE 28-22-01 (SH 4).
 - 4 RELAY ENERGIZES AT 83% N2 ON INCREASING N2 AND DE-ENERGIZES AT 72% N2 ON DECREASING N2.
- FUEL FLOW

050-099, 155-156, 162-164	FUEL FEED-AUXILIARY POWER UNIT
D280T232	

28-25-01

Page 101

Jan 21/2005



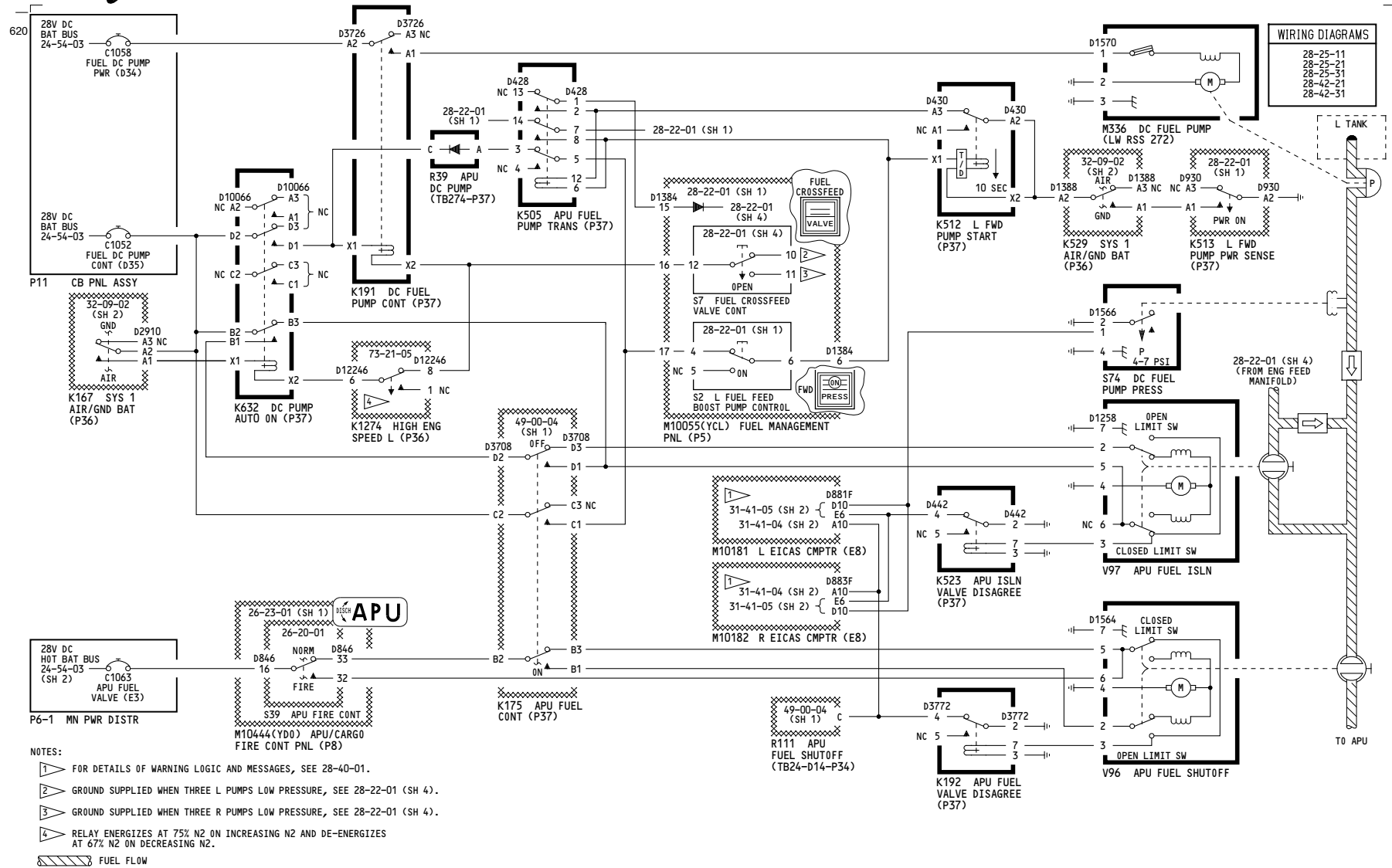
- NOTES:**
- 1 FOR DETAILS OF WARNING LOGIC AND MESSAGES, SEE 28-40-01.
 - 2 GROUND SUPPLIED WHEN THREE L PUMPS LOW PRESSURE, SEE 28-22-01 (SH 5).
 - FUEL FLOW

050-051, 155-167, 277-280	FUEL FEED-AUXILIARY POWER UNIT	Incorporates 28-0034 R02
D280T232		

28-25-01

Page 101.1

Sep 04/2008



- NOTES:
- 1 FOR DETAILS OF WARNING LOGIC AND MESSAGES, SEE 28-40-01.
 - 2 GROUND SUPPLIED WHEN THREE L PUMPS LOW PRESSURE, SEE 28-22-01 (SH 4).
 - 3 GROUND SUPPLIED WHEN THREE R PUMPS LOW PRESSURE, SEE 28-22-01 (SH 4).
 - 4 RELAY ENERGIZES AT 75% N2 ON INCREASING N2 AND DE-ENERGIZES AT 67% N2 ON DECREASING N2.
- FUEL FLOW

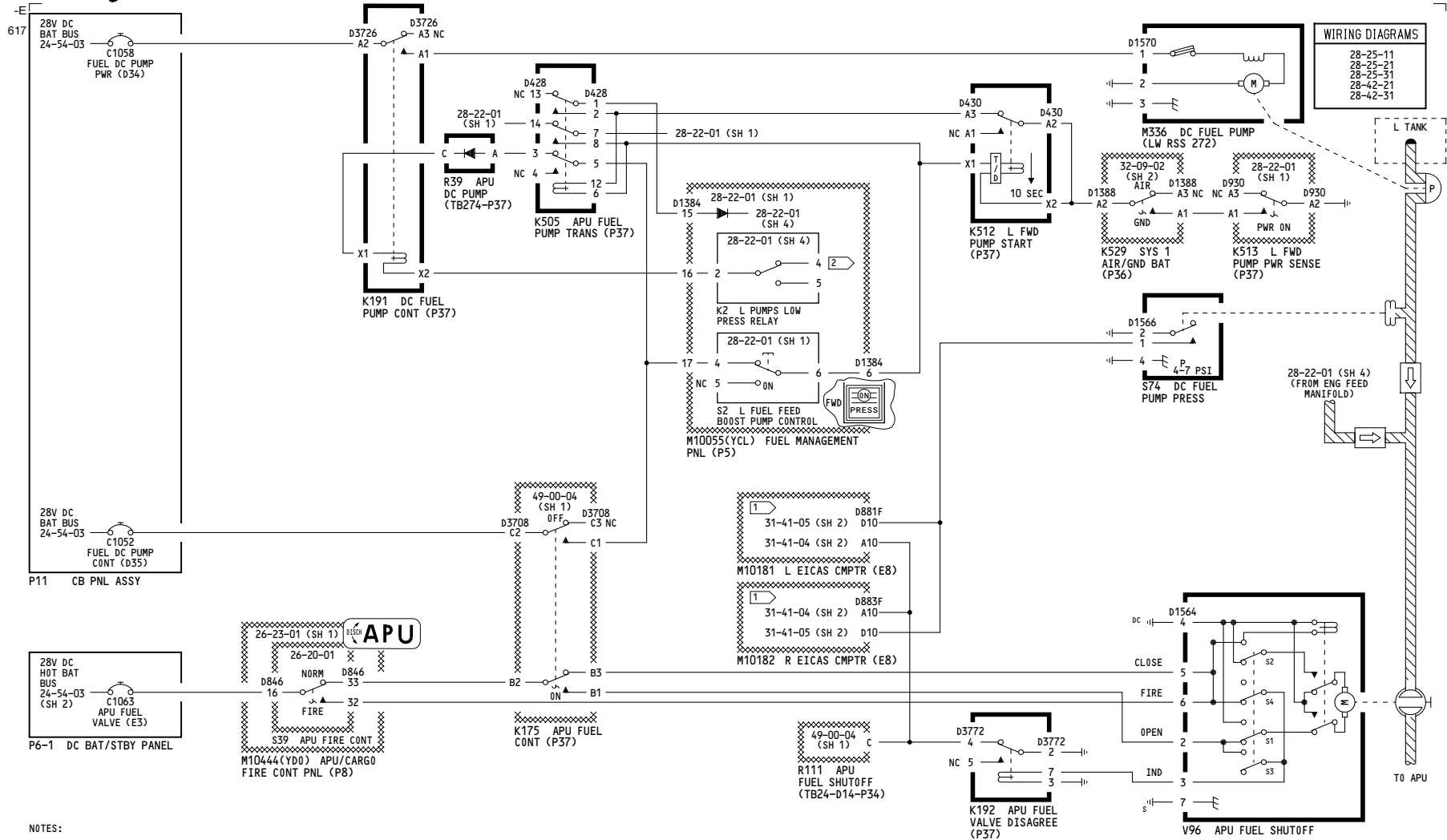
150-154	FUEL FEED-AUXILIARY POWER UNIT
D280T232	

Incorporates
 76-0030 R02

28-25-01

Page 102.1

Jan 21/2005



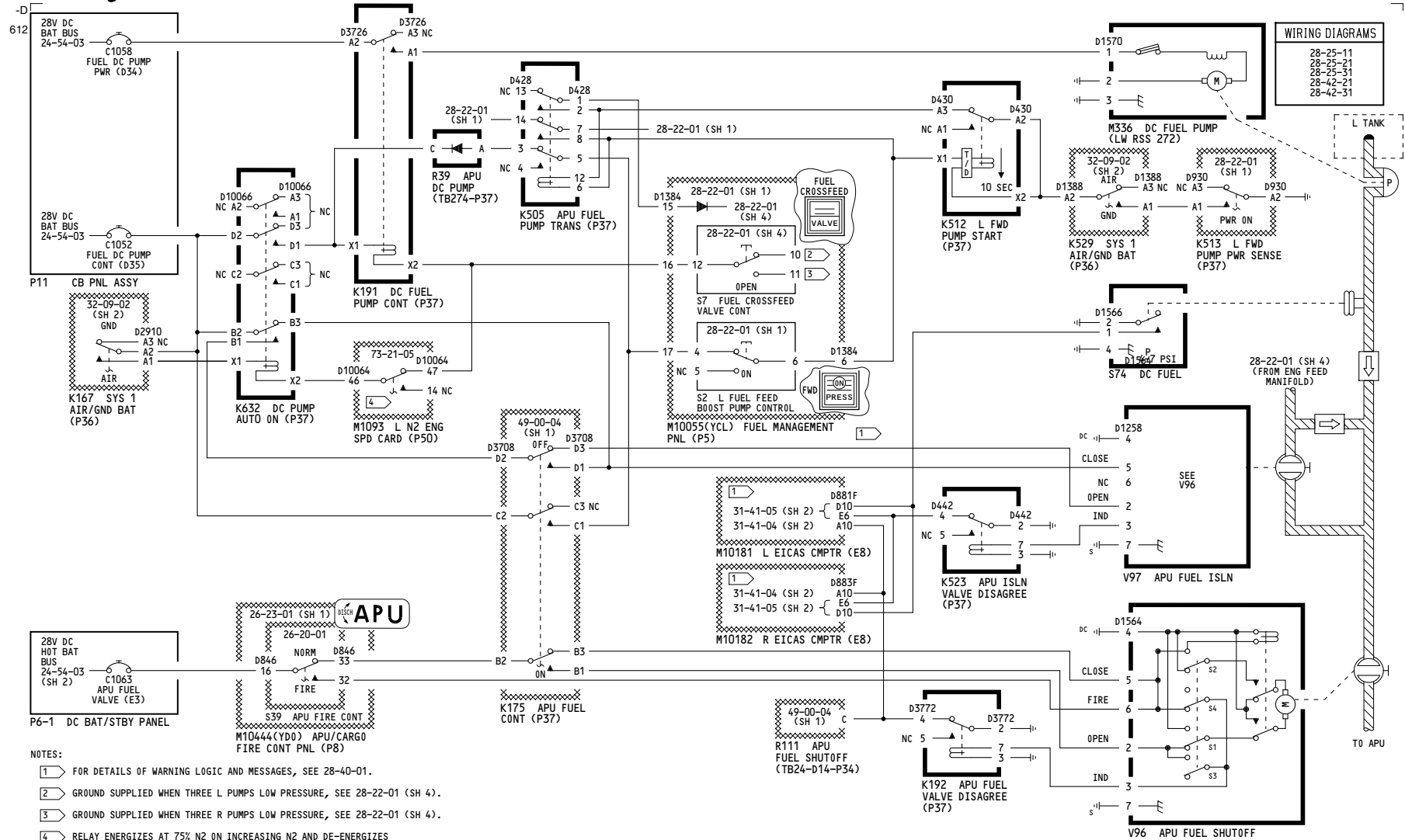
- NOTES:**
- 1 FOR DETAILS OF WARNING LOGIC AND MESSAGES, SEE 28-40-01.
 - 2 GROUND SUPPLIED WHEN THREE L PUMPS LOW PRESSURE, SEE 28-22-01 (SH 5).
- FUEL FLOW

150-154	<p>FUEL FEED-AUXILIARY POWER UNIT</p> <p>D280T232</p>	<p>Incorporates</p> <ul style="list-style-type: none"> 28-0034 R02 76-0030 R02
---------	--	---

28-25-01

Page 102.2

Sep 04/2008



NOTES:

- 1 FOR DETAILS OF WARNING LOGIC AND MESSAGES, SEE 28-40-01.
- 2 GROUND SUPPLIED WHEN THREE L PUMPS LOW PRESSURE, SEE 28-22-01 (SH 4).
- 3 GROUND SUPPLIED WHEN THREE R PUMPS LOW PRESSURE, SEE 28-22-01 (SH 4).
- 4 RELAY ENERGIZES AT 75% N2 ON INCREASING N2 AND DE-ENERGIZES AT 67% N2 ON DECREASING N2.

FUEL FLOW

157, 165-199, 277-299

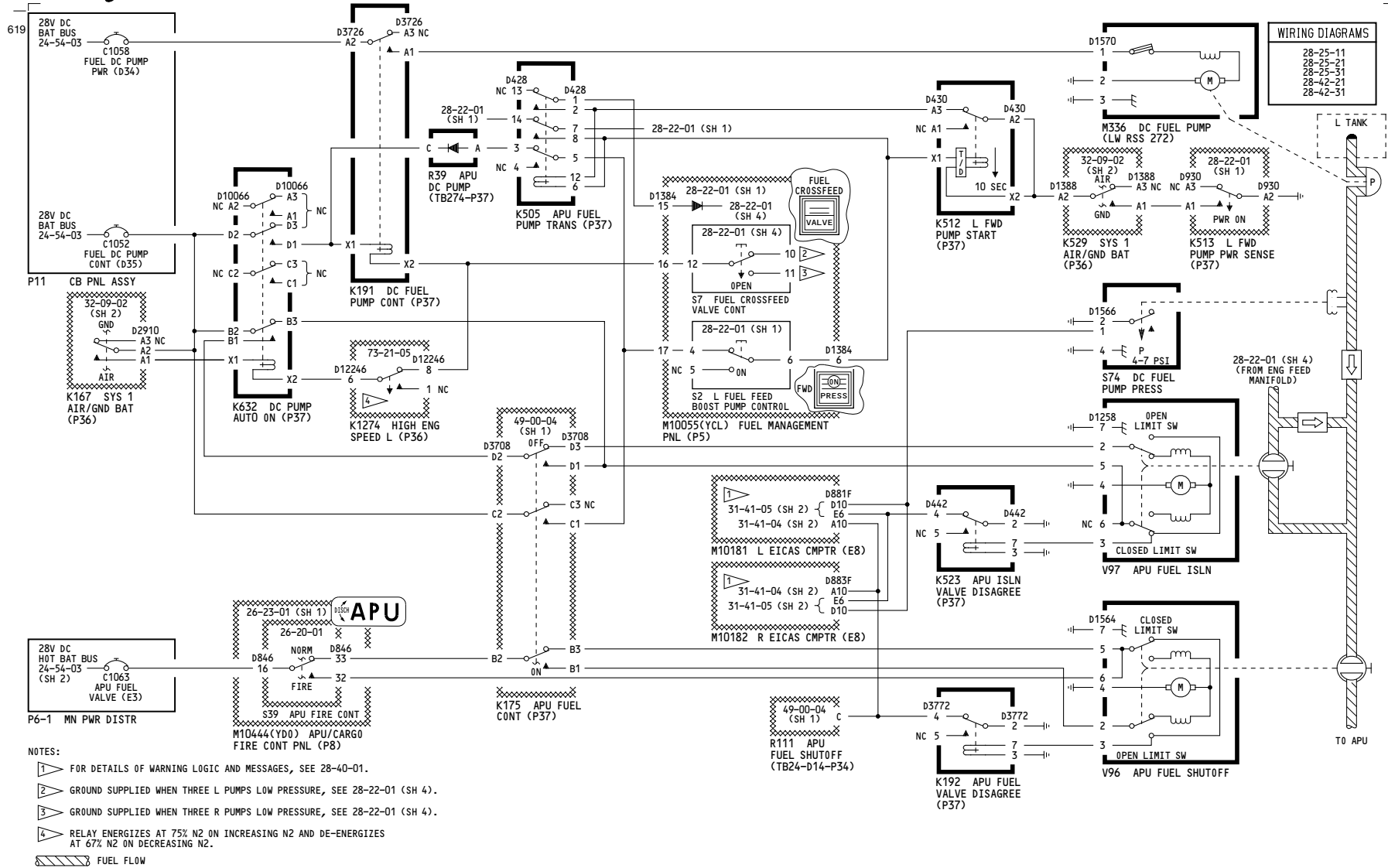
FUEL FEED-AUXILIARY POWER UNIT

D280T232

28-25-01

Page 103

Sep 04/2008



WIRING DIAGRAMS	
28-25-11	
28-25-21	
28-25-31	
28-42-21	
28-42-31	

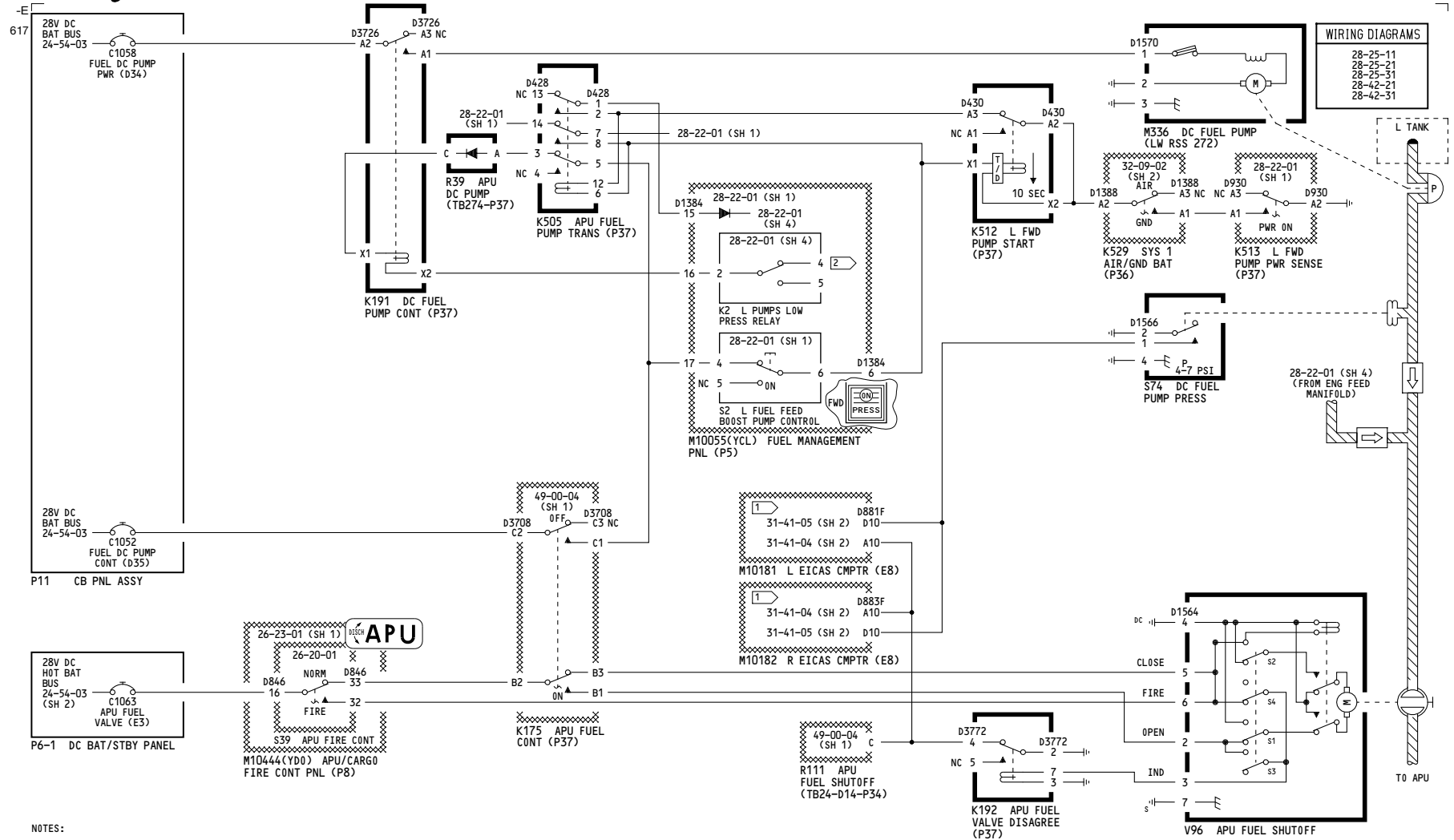
- NOTES:
- 1 FOR DETAILS OF WARNING LOGIC AND MESSAGES, SEE 28-40-01.
 - 2 GROUND SUPPLIED WHEN THREE L PUMPS LOW PRESSURE, SEE 28-22-01 (SH 4).
 - 3 GROUND SUPPLIED WHEN THREE R PUMPS LOW PRESSURE, SEE 28-22-01 (SH 4).
 - 4 RELAY ENERGIZES AT 75% N2 ON INCREASING N2 AND DE-ENERGIZES AT 67% N2 ON DECREASING N2.
- FUEL FLOW

275-276	FUEL FEED-AUXILIARY POWER UNIT
	Incorporates 76-0026
D280T232	

28-25-01

Page 104.1

Jan 21/2005



275-276	<p>FUEL FEED-AUXILIARY POWER UNIT</p> <p>D280T232</p>
---------	--

Incorporates

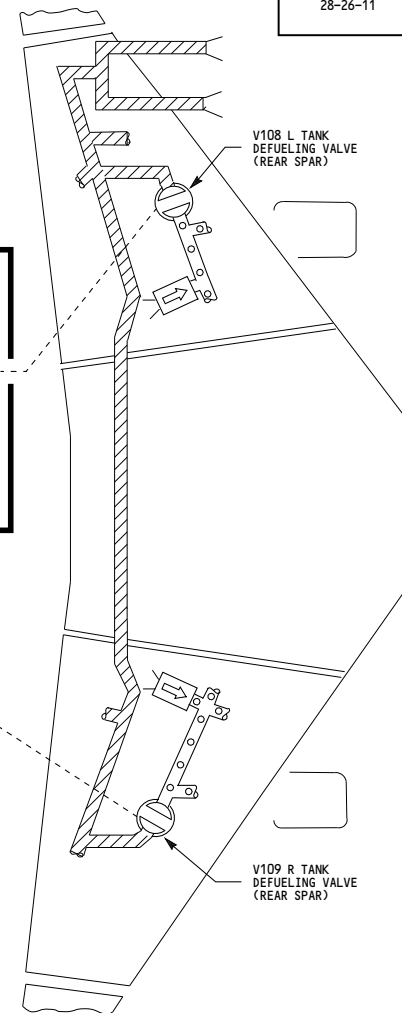
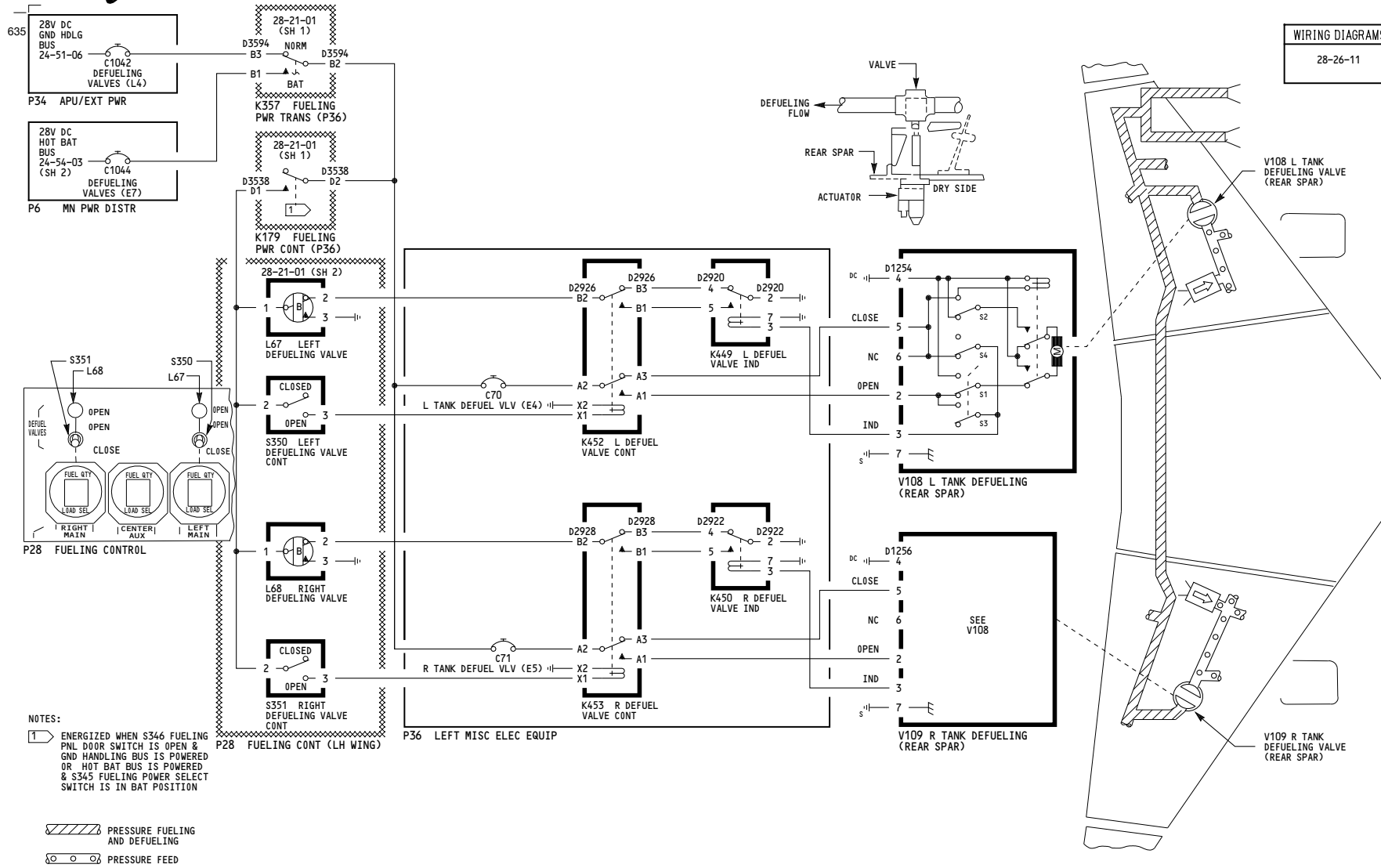
- 28-0034 R02
- 76-0026

28-25-01

Page 104.2

Sep 04/2008

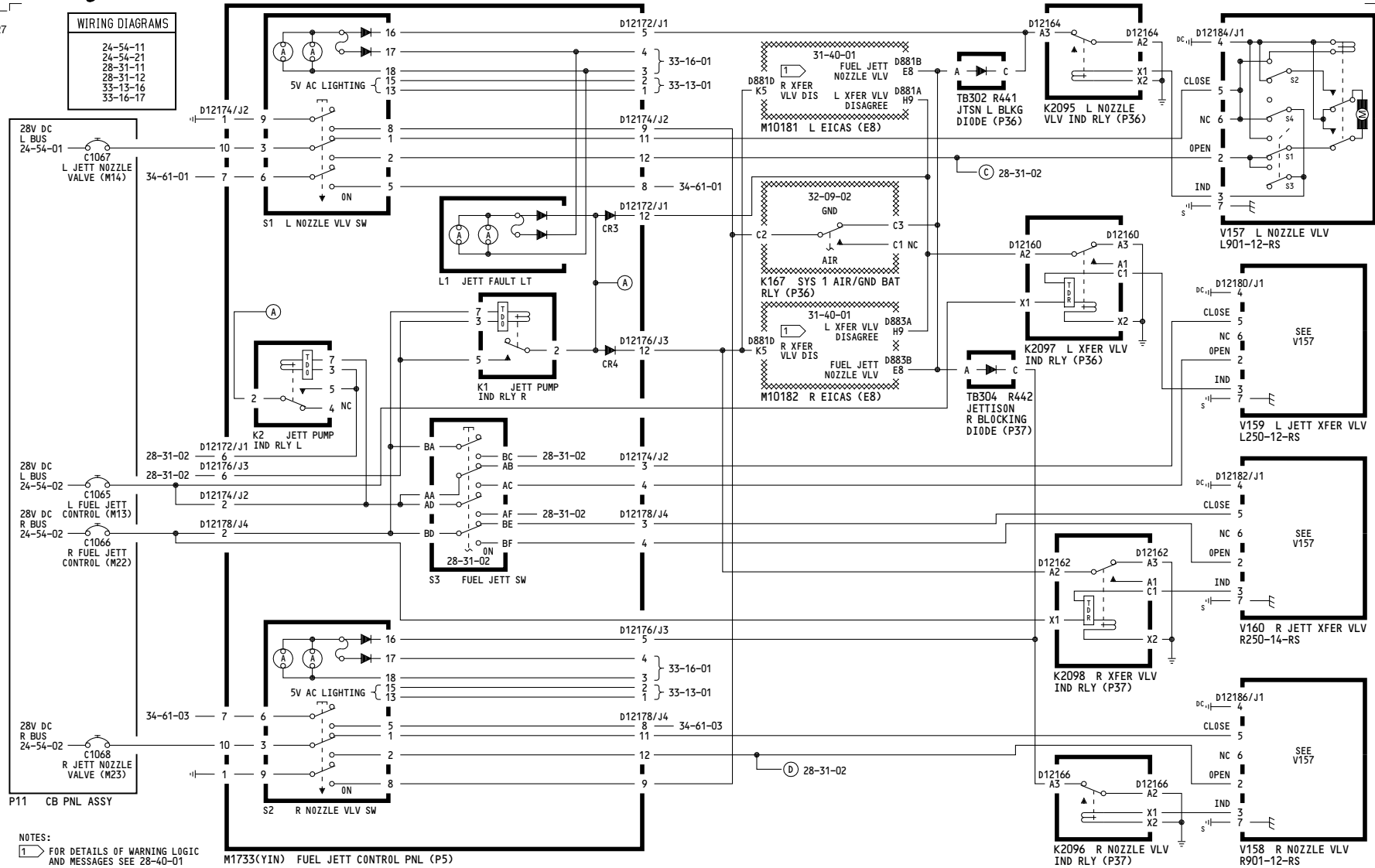
WIRING DIAGRAMS
28-26-11



ALL	DEFUELING
	D280T232

627

- WIRING DIAGRAMS**
- 24-54-11
 - 24-54-21
 - 28-31-11
 - 28-31-12
 - 33-13-16
 - 33-16-17



NOTES:
 1) FOR DETAILS OF WARNING LOGIC AND MESSAGES SEE 28-40-01

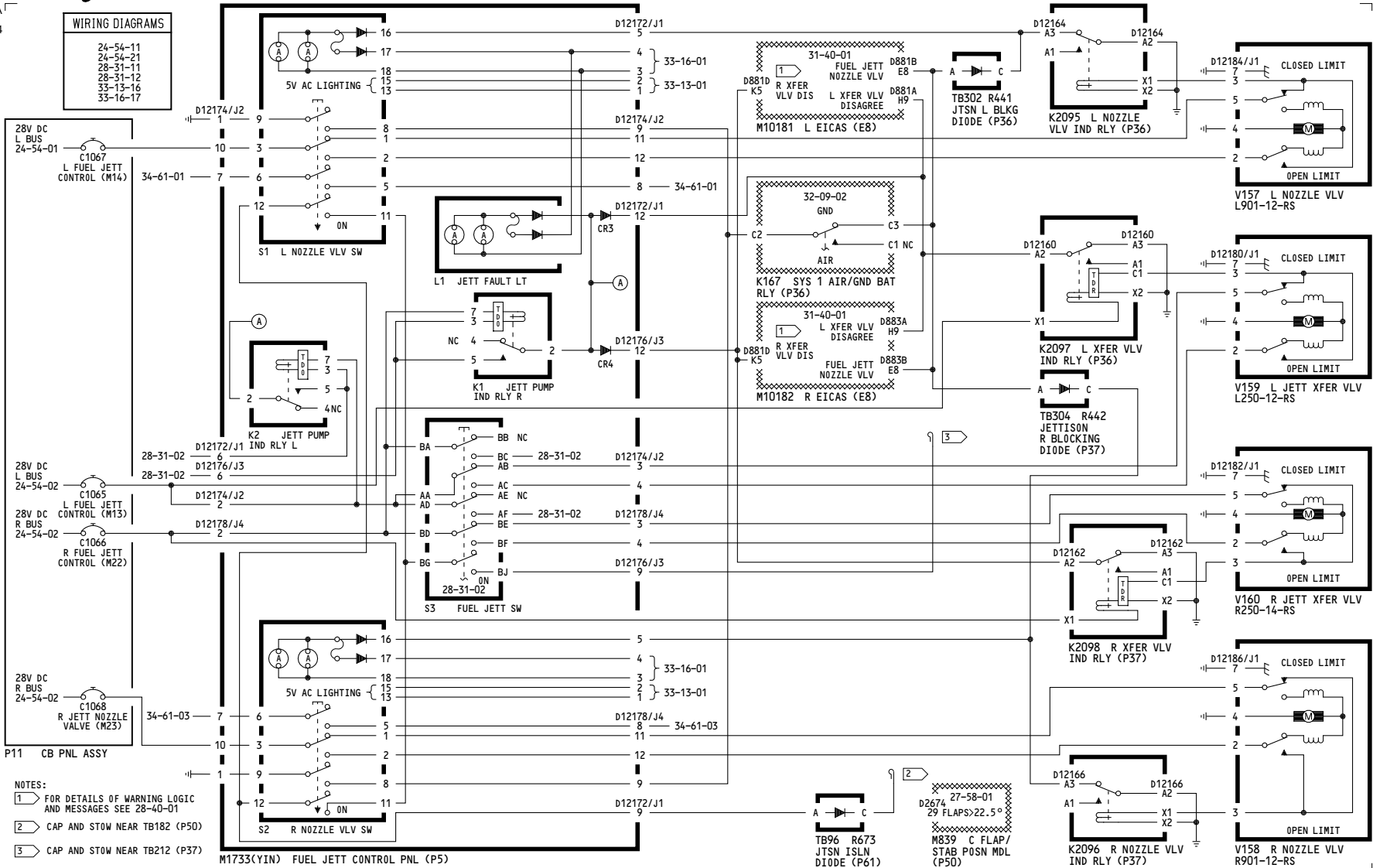
M1733(YIN) FUEL JETT CONTROL PNL (P5)

ALL	FUEL JETTISON NOZZLE VALVE AND TRANSFER VALVE CONTROL D280T232
-----	--

28-31-01

-A
614

- WIRING DIAGRAMS**
- 24-54-11
 - 24-54-21
 - 28-31-11
 - 28-31-12
 - 33-13-16
 - 33-16-17



NOTES:

- 1 FOR DETAILS OF WARNING LOGIC AND MESSAGES SEE 28-40-01
- 2 CAP AND STOW NEAR TB182 (P50)
- 3 CAP AND STOW NEAR TB212 (P37)

155-157, 165-167, 277-280

FUEL JETTISON NOZZLE VALVE AND TRANSFER VALVE CONTROL

D280T232

Incorporates
28-0038 R02

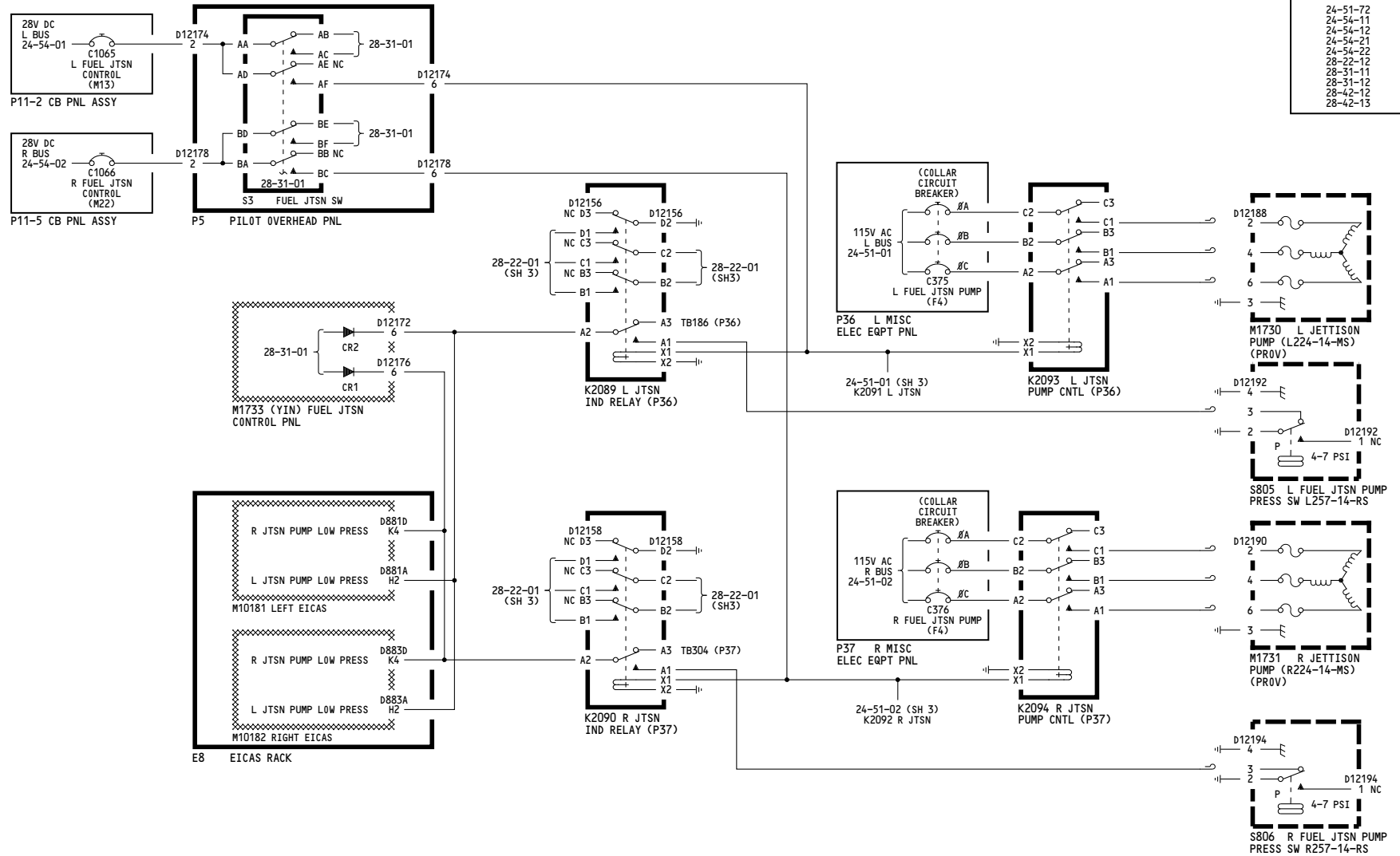
28-31-01

Page 101.1

Jan 21/2005

-D
607

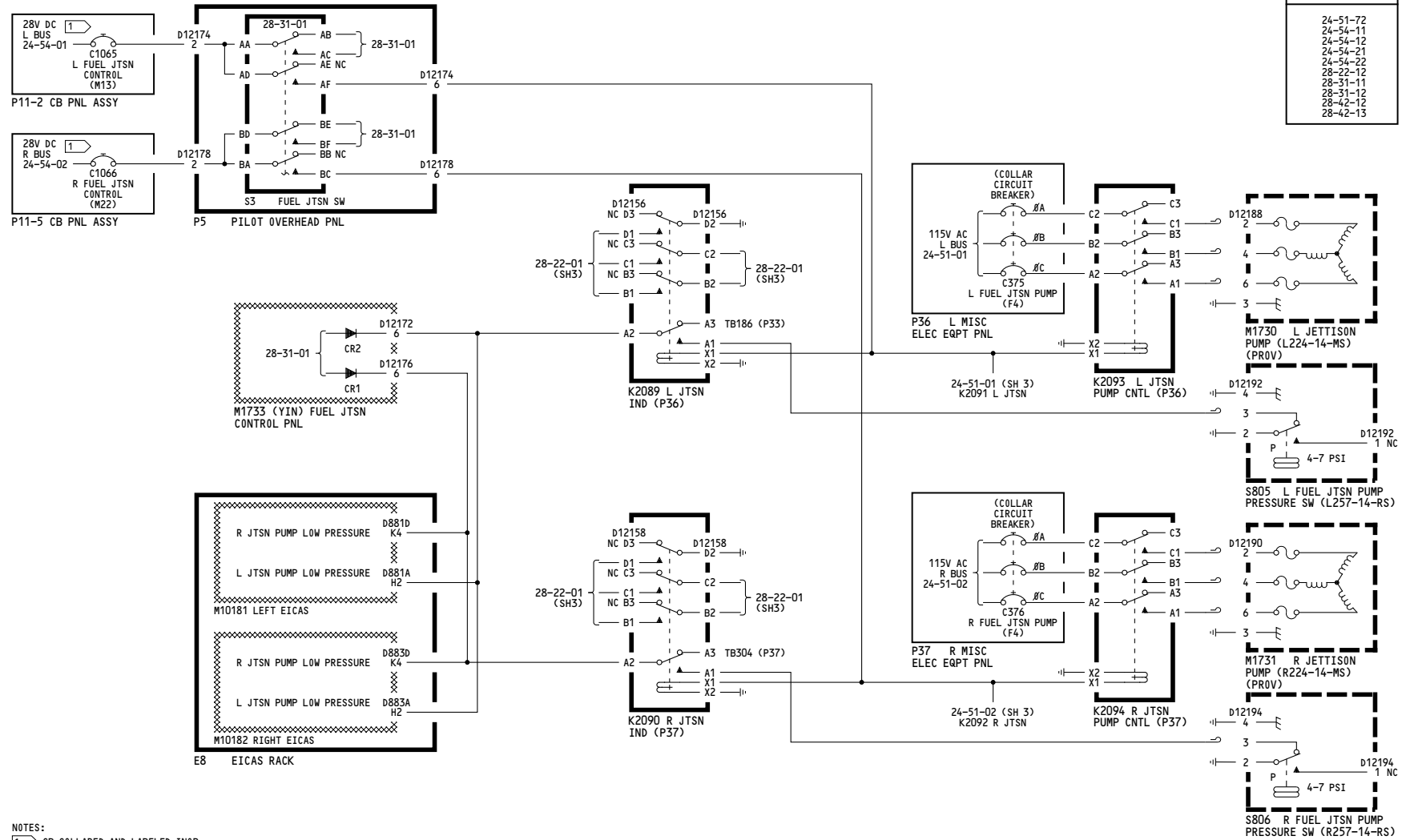
WIRING DIAGRAMS	
24-51-72	
24-54-11	
24-54-12	
24-54-21	
24-54-22	
28-22-12	
28-31-11	
28-31-12	
28-42-12	
28-42-13	



050, 162-164	<p>FUEL JETTISON PUMPS LOW PRESSURE SWITCH</p> <p>D280T232</p>
--------------	---

28-31-02

-B
614



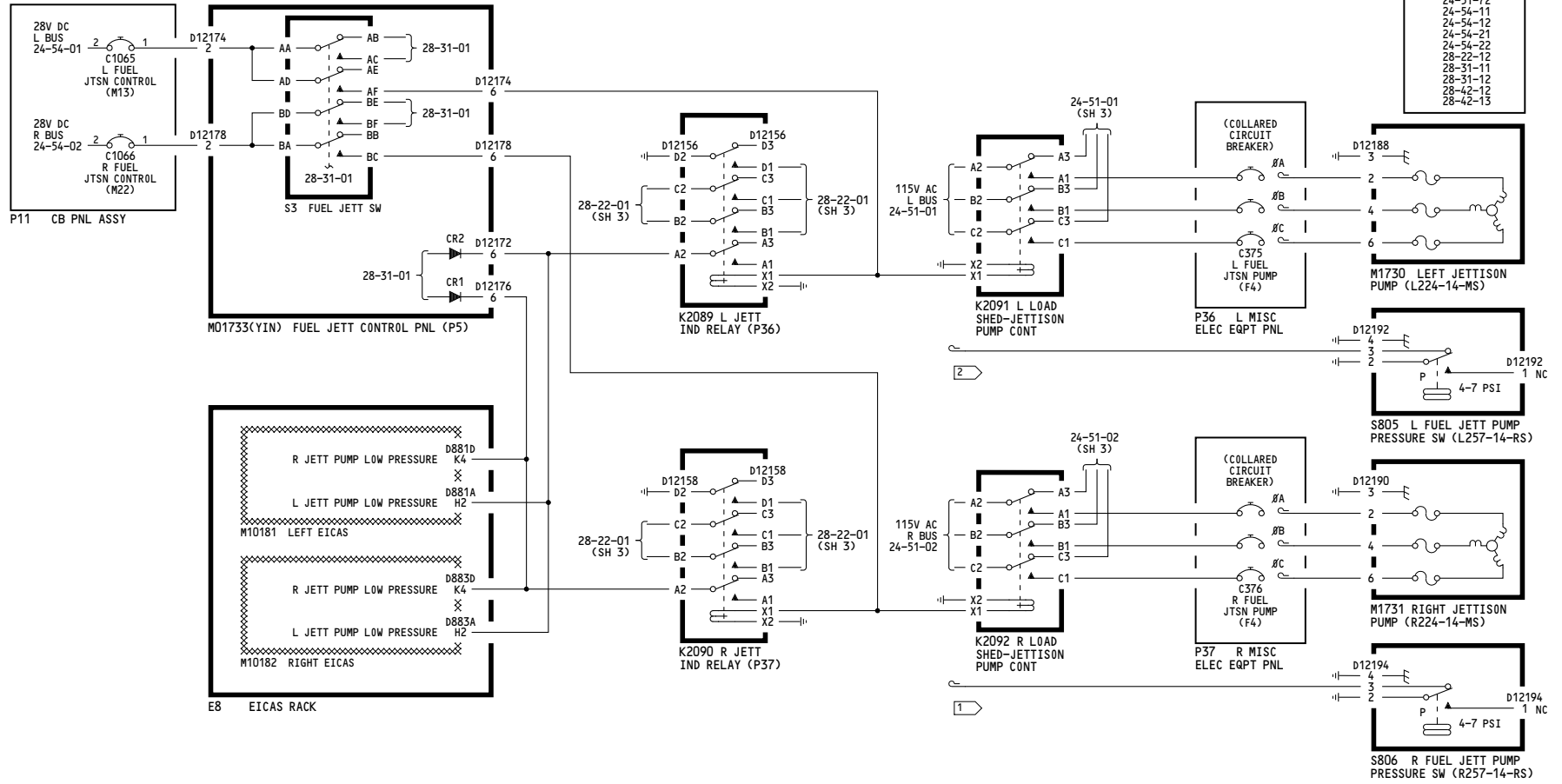
WIRING DIAGRAMS	
24-51-72	
24-54-11	
24-54-12	
24-54-21	
24-54-22	
28-22-12	
28-31-11	
28-31-12	
28-42-12	
28-42-13	

NOTES:
1 CB COLLARED AND LABELED INOP.

051-099, 276	FUEL JETTISON PUMPS LOW PRESSURE SWITCH
D280T232	

28-31-02

-E-
605



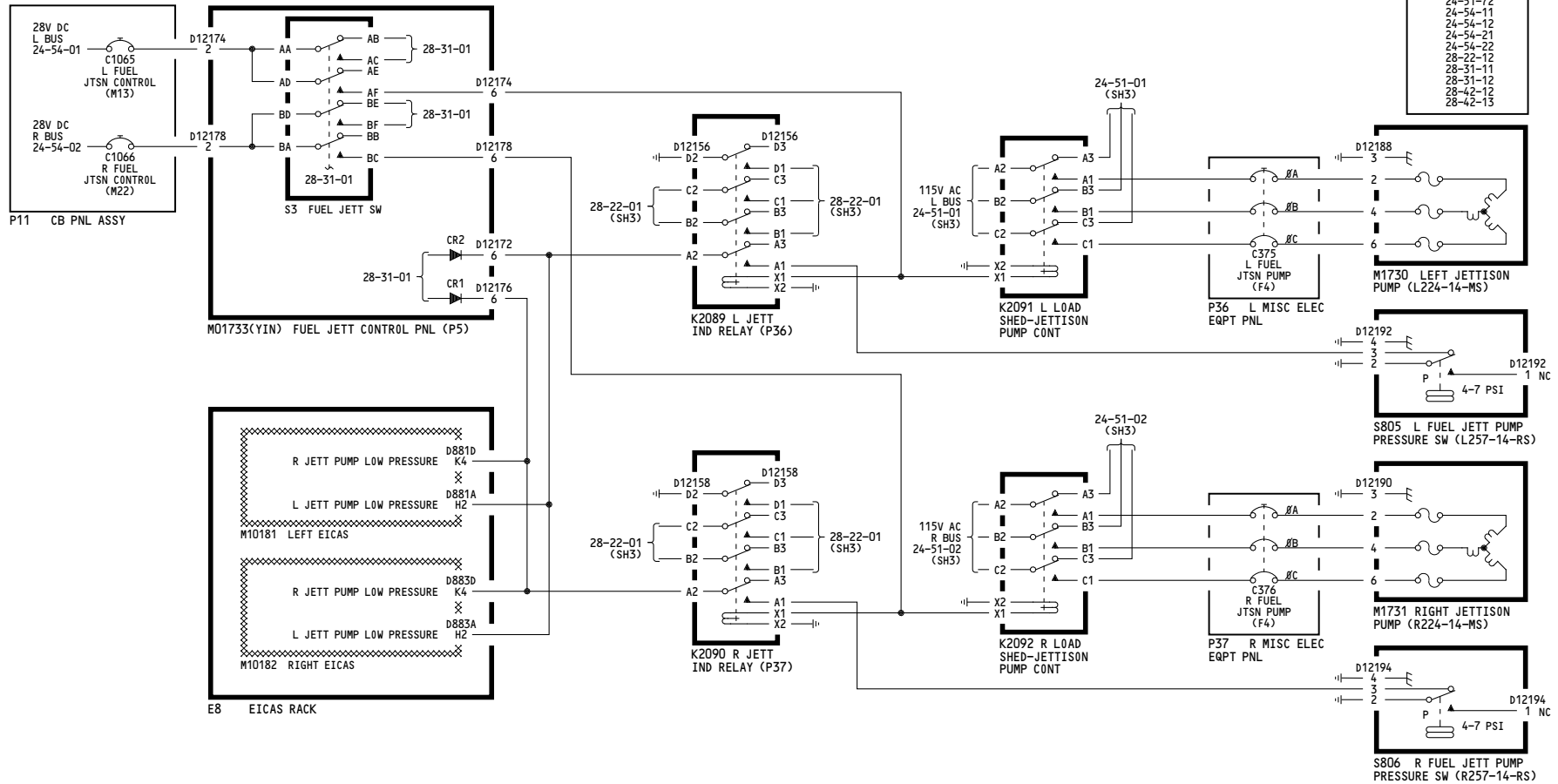
WIRING DIAGRAMS	
24-51-72	
24-54-11	
24-54-12	
24-54-21	
24-54-22	
28-22-12	
28-31-11	
28-31-12	
28-42-12	
28-42-13	

- NOTES:
 1 CAP AND STOW NEAR D5780P
 2 CAP AND STOW NEAR D5068P

155-157, 165-199, 277-299	FUEL JETTISON PUMPS LOW PRESSURE SWITCH
	D280T232

28-31-02

616



WIRING DIAGRAMS

- 24-51-72
- 24-54-11
- 24-54-12
- 24-54-21
- 24-54-22
- 28-22-12
- 28-31-11
- 28-31-12
- 28-42-12
- 28-42-13

155-157, 165-167, 277-280	FUEL JETTISON PUMPS LOW PRESSURE SWITCH
	D280T232

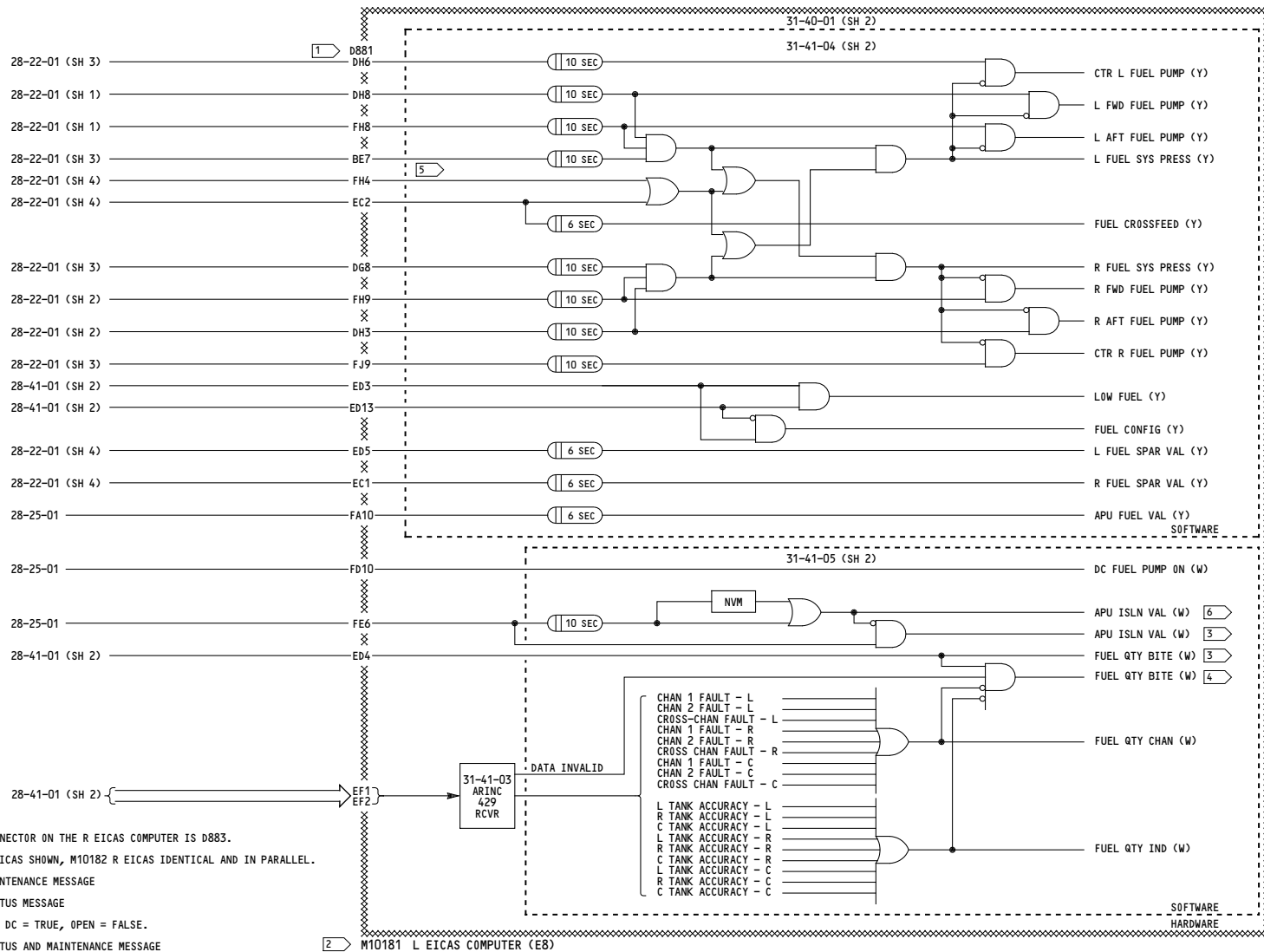
Incorporates
 28-0038 R02

28-31-02

Page 103.1

Jun 28/2006

601



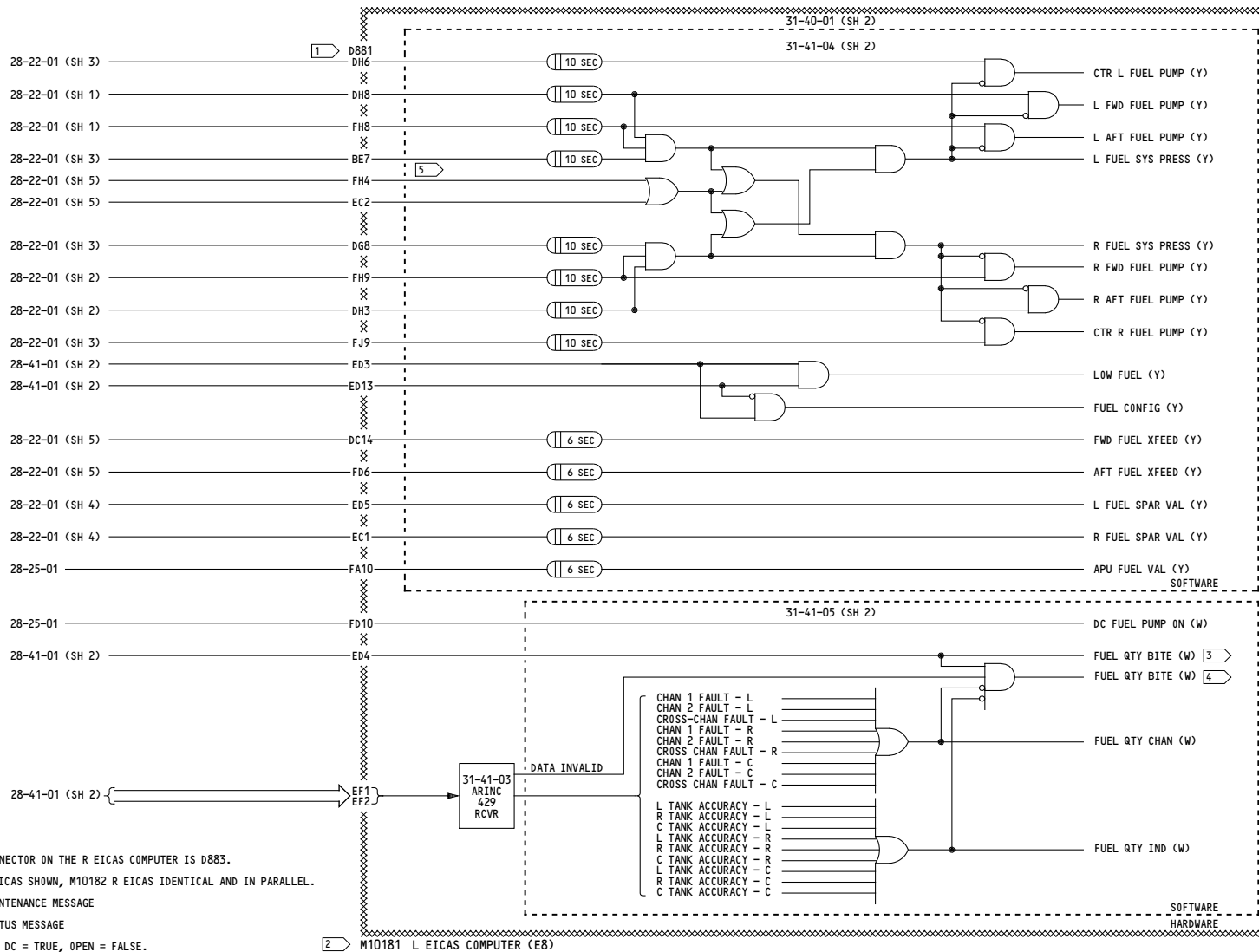
ALL	FUEL ENGINE INDICATION & CREW ALERTING SYSTEM WARNING
D280T232	

28-40-01

Page 101

Jan 21/2005

-A
618



- NOTES:
- 1 CONNECTOR ON THE R EICAS COMPUTER IS D883.
 - 2 L EICAS SHOWN, M10182 R EICAS IDENTICAL AND IN PARALLEL.
 - 3 MAINTENANCE MESSAGE
 - 4 STATUS MESSAGE
 - 5 28V DC = TRUE, OPEN = FALSE.

2 M10181 L EICAS COMPUTER (E8)

050-280

FUEL ENGINE INDICATION & CREW ALERTING SYSTEM WARNING

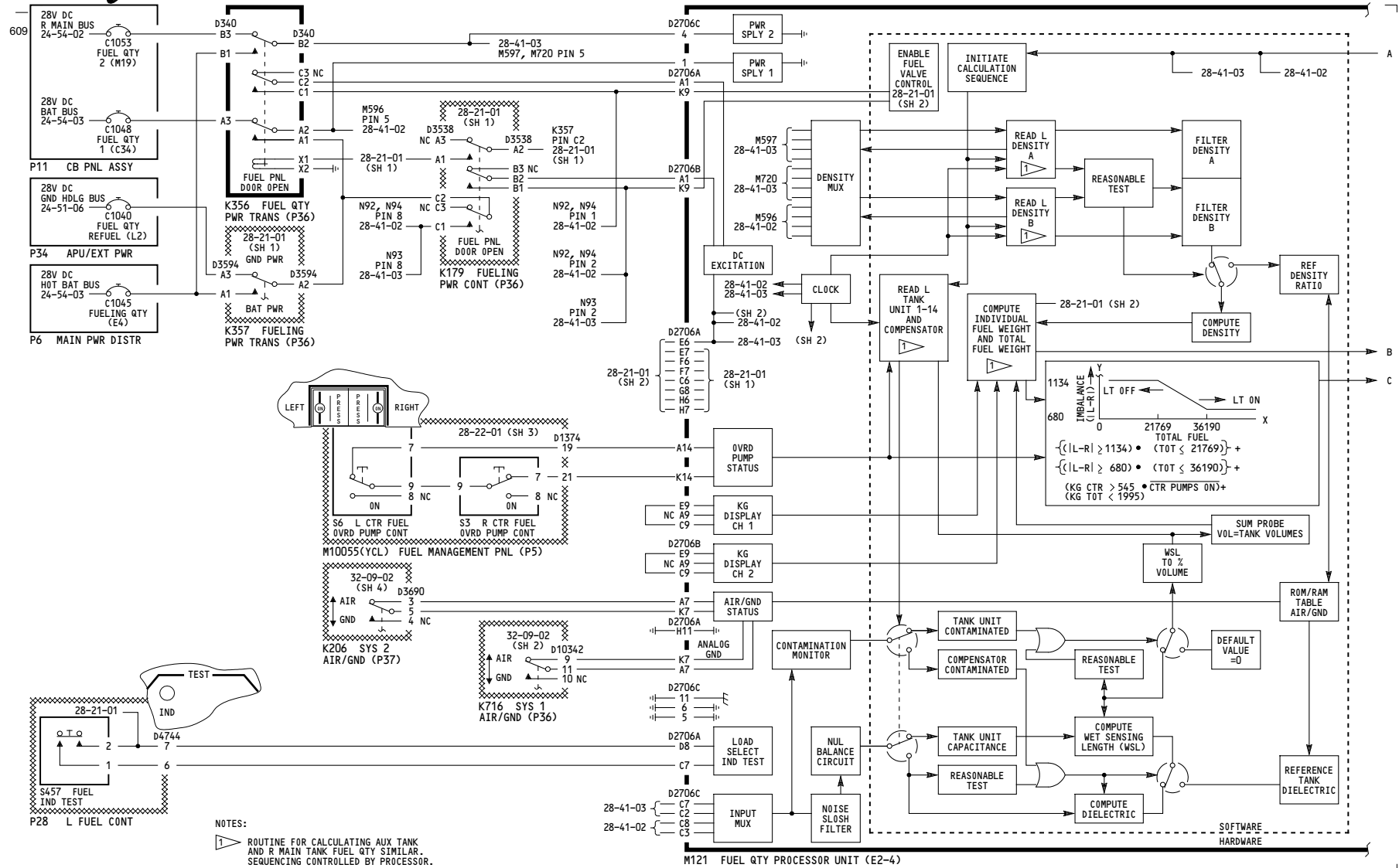
D280T232

Incorporates
SL-31-030-A

28-40-01

Page 101.1

Jan 21/2005

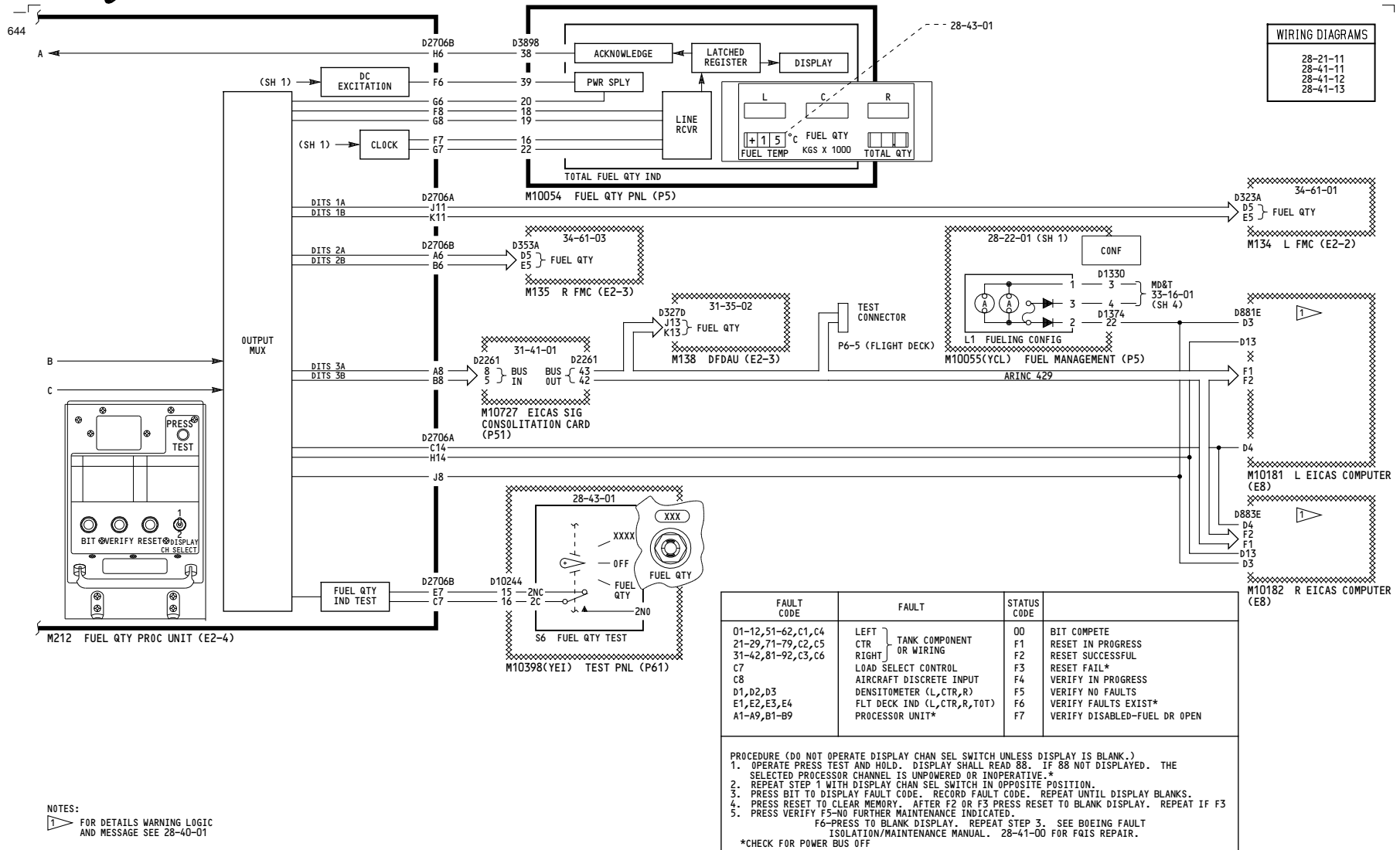


050-099, 150-199, 280-299

FUEL QUANTITY PROCESSING AND COMMON INPUT/OUTPUT

D280T232

28-41-01

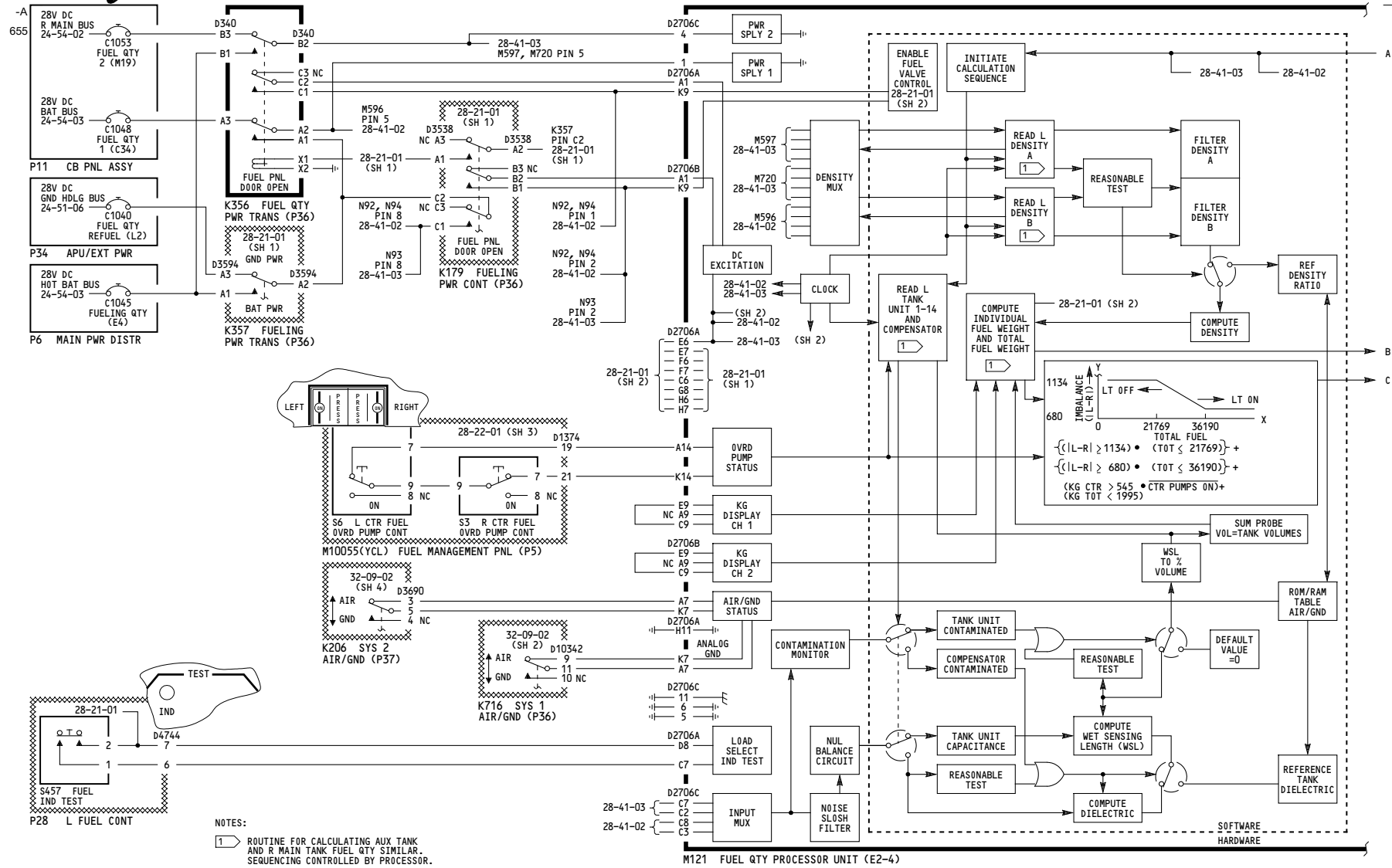


NOTES:
 1. FOR DETAILS WARNING LOGIC AND MESSAGE SEE 28-40-01

050-099, 150-199, 280-299

FUEL QUANTITY PROCESSING AND COMMON INPUT/OUTPUT

D280T232



153

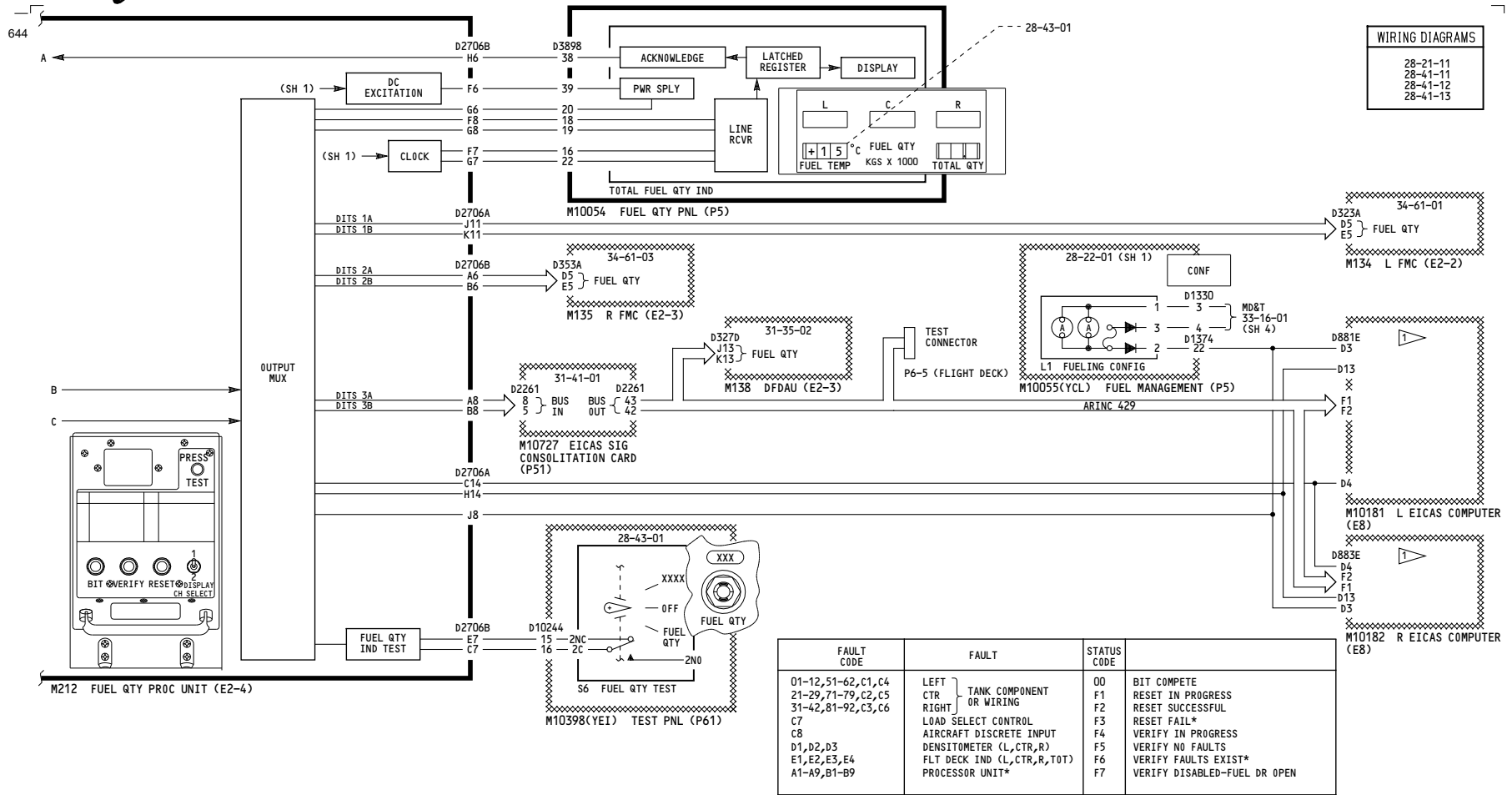
FUEL QUANTITY PROCESSING AND COMMON INPUT/OUTPUT

D280T232

Incorporates

- ▶ 31-0208
- ▶ 31-0248

28-41-01



WIRING DIAGRAMS
 28-21-11
 28-41-11
 28-41-12
 28-41-13

FAULT CODE	FAULT	STATUS CODE	
01-12, 51-62, C1, C4	LEFT } TANK COMPONENT CTR } OR WIRING RIGHT }	00	BIT COMPETE
21-29, 71-79, C2, C5		F1	RESET IN PROGRESS
31-42, 81-92, C3, C6		F2	RESET SUCCESSFUL
C7	LOAD SELECT CONTROL	F3	RESET FAIL*
C8	AIRCRAFT DISCRETE INPUT	F4	VERIFY IN PROGRESS
D1, D2, D3	DENSITOMETER (L, CTR, R)	F5	VERIFY NO FAULTS
E1, E2, E3, E4	FLT DECK IND (L, CTR, R, TOT)	F6	VERIFY FAULTS EXIST*
A1-A9, B1-B9	PROCESSOR UNIT*	F7	VERIFY DISABLED-FUEL DR OPEN

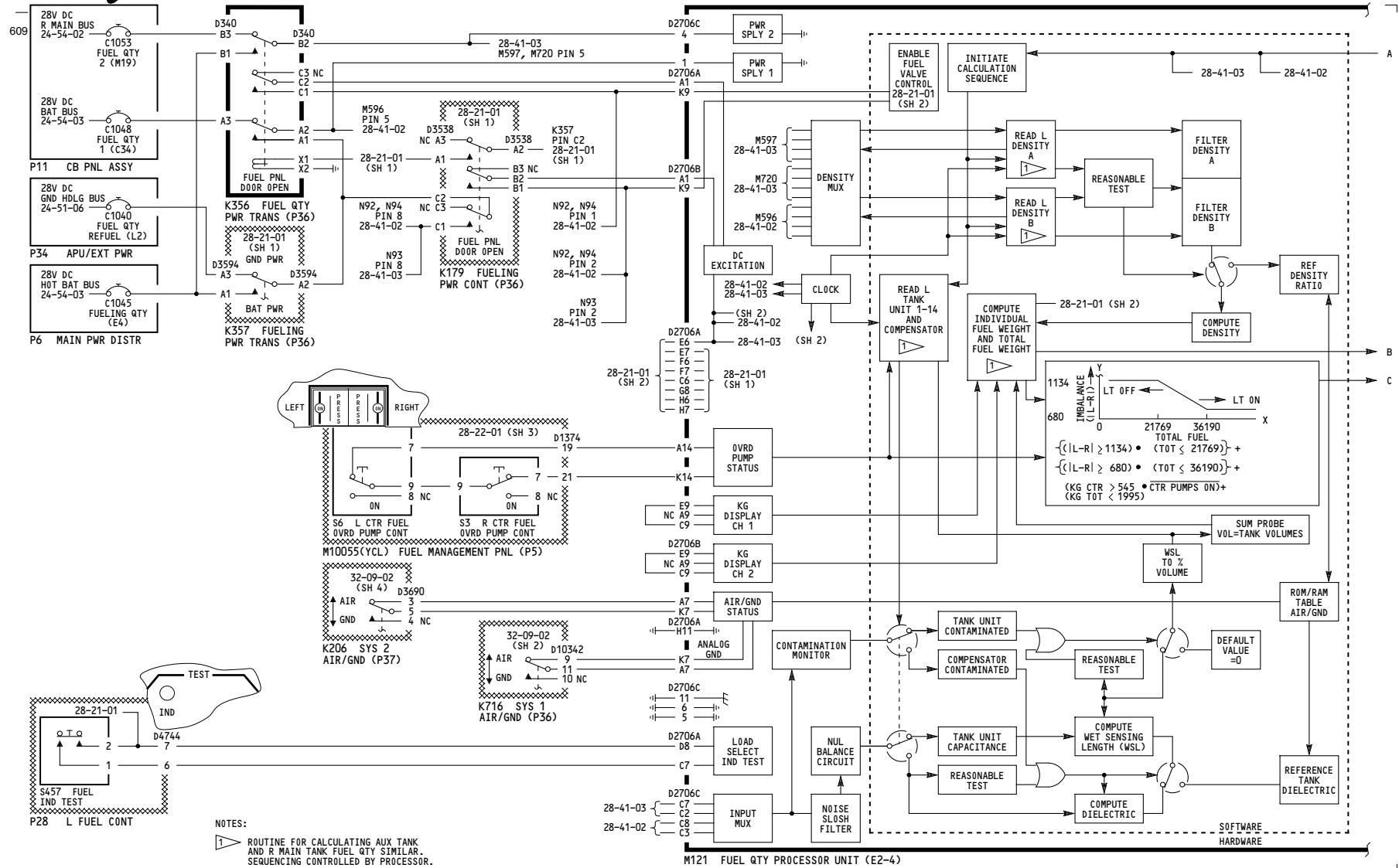
PROCEDURE (DO NOT OPERATE DISPLAY CHAN SEL SWITCH UNLESS DISPLAY IS BLANK.)
 1. OPERATE PRESS TEST AND HOLD. DISPLAY SHALL READ 88. IF 88 NOT DISPLAYED. THE SELECTED PROCESSOR CHANNEL IS UNPOWERED OR INOPERATIVE.*
 2. REPEAT STEP 1 WITH DISPLAY CHAN SEL SWITCH IN OPPOSITE POSITION.
 3. PRESS BIT TO DISPLAY FAULT CODE. RECORD FAULT CODE. REPEAT UNTIL DISPLAY BLANKS.
 4. PRESS RESET TO CLEAR MEMORY. AFTER F2 OR F3 PRESS RESET TO BLANK DISPLAY. REPEAT IF F3
 5. PRESS VERIFY F5-NO FURTHER MAINTENANCE INDICATED.
 F6-PRESS TO BLANK DISPLAY. REPEAT STEP 3. SEE BOEING FAULT ISOLATION/MAINTENANCE MANUAL. 28-41-00 FOR FQIS REPAIR.
 *CHECK FOR POWER BUS OFF

NOTES:
 1. FOR DETAILS WARNING LOGIC AND MESSAGE SEE 28-40-01

153

FUEL QUANTITY PROCESSING AND COMMON INPUT/OUTPUT

D280T232

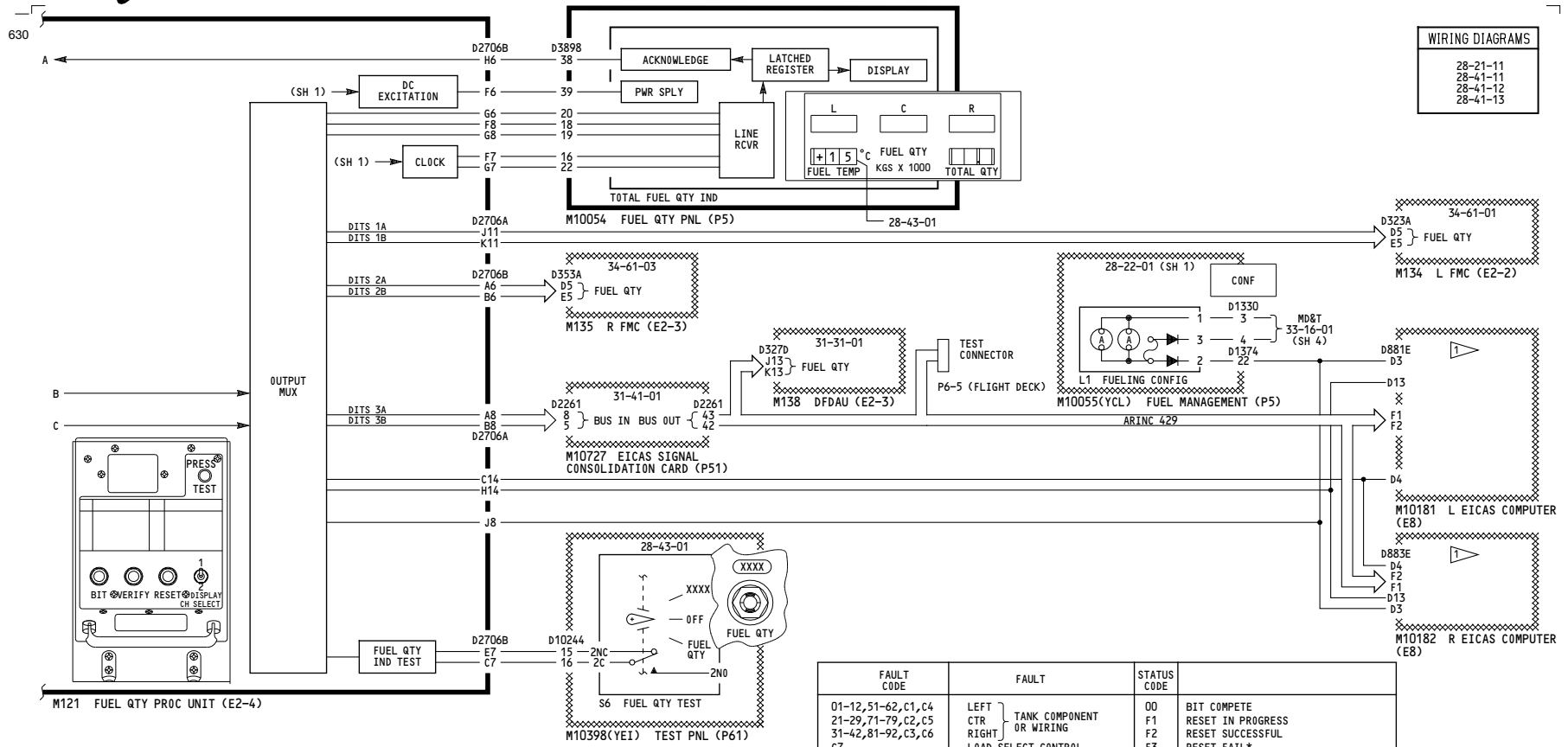


275-278

FUEL QUANTITY PROCESSING AND COMMON INPUT/OUTPUT

D280T232

28-41-01



WIRING DIAGRAMS
 28-21-11
 28-41-11
 28-41-12
 28-41-13

FAULT CODE	FAULT	STATUS CODE	
01-12,51-62,C1,C4	LEFT } TANK COMPONENT CTR } OR WIRING	00	BIT COMPETE
21-29,71-79,C2,C5		F1	RESET IN PROGRESS
31-42,81-92,C3,C6	RIGHT }	F2	RESET SUCCESSFUL
C7	LOAD SELECT CONTROL	F3	RESET FAIL*
C8	AIRCRAFT DISCRETE INPUT	F4	VERIFY IN PROGRESS
D1,D2,D3	DENSITOMETER (L,CTR,R)	F5	VERIFY NO FAULTS
E1,E2,E3,E4	FLT DECK IND (L,CTR,R,TOT)	F6	VERIFY FAULTS EXIST*
A1-A9,B1-B9	PROCESSOR UNIT*	F7	VERIFY DISABLED-FUEL DR OPEN

PROCEDURE (DO NOT OPERATE DISPLAY CHAN SEL SWITCH UNLESS DISPLAY IS BLANK.)
 1. OPERATE PRESS TEST AND HOLD. DISPLAY SHALL READ 88. IF 88 NOT DISPLAYED. THE SELECTED PROCESSOR CHANNEL IS UNPOWERED OR INOPERATIVE.*
 2. REPEAT STEP 1 WITH DISPLAY CHAN SEL SWITCH IN OPPOSITE POSITION.
 3. PRESS BIT TO DISPLAY FAULT CODE. RECORD FAULT CODE. REPEAT UNTIL DISPLAY BLANKS.
 4. PRESS RESET TO CLEAR MEMORY. AFTER F2 OR F3 PRESS RESET TO BLANK DISPLAY. REPEAT IF F3
 5. PRESS VERIFY F5-NO FURTHER MAINTENANCE INDICATED.
 F6-PRESS TO BLANK DISPLAY. REPEAT STEP 3. SEE BOEING FAULT ISOLATION/MAINTENANCE MANUAL. 28-41-00 FOR FQIS REPAIR.
 *CHECK FOR POWER BUS OFF

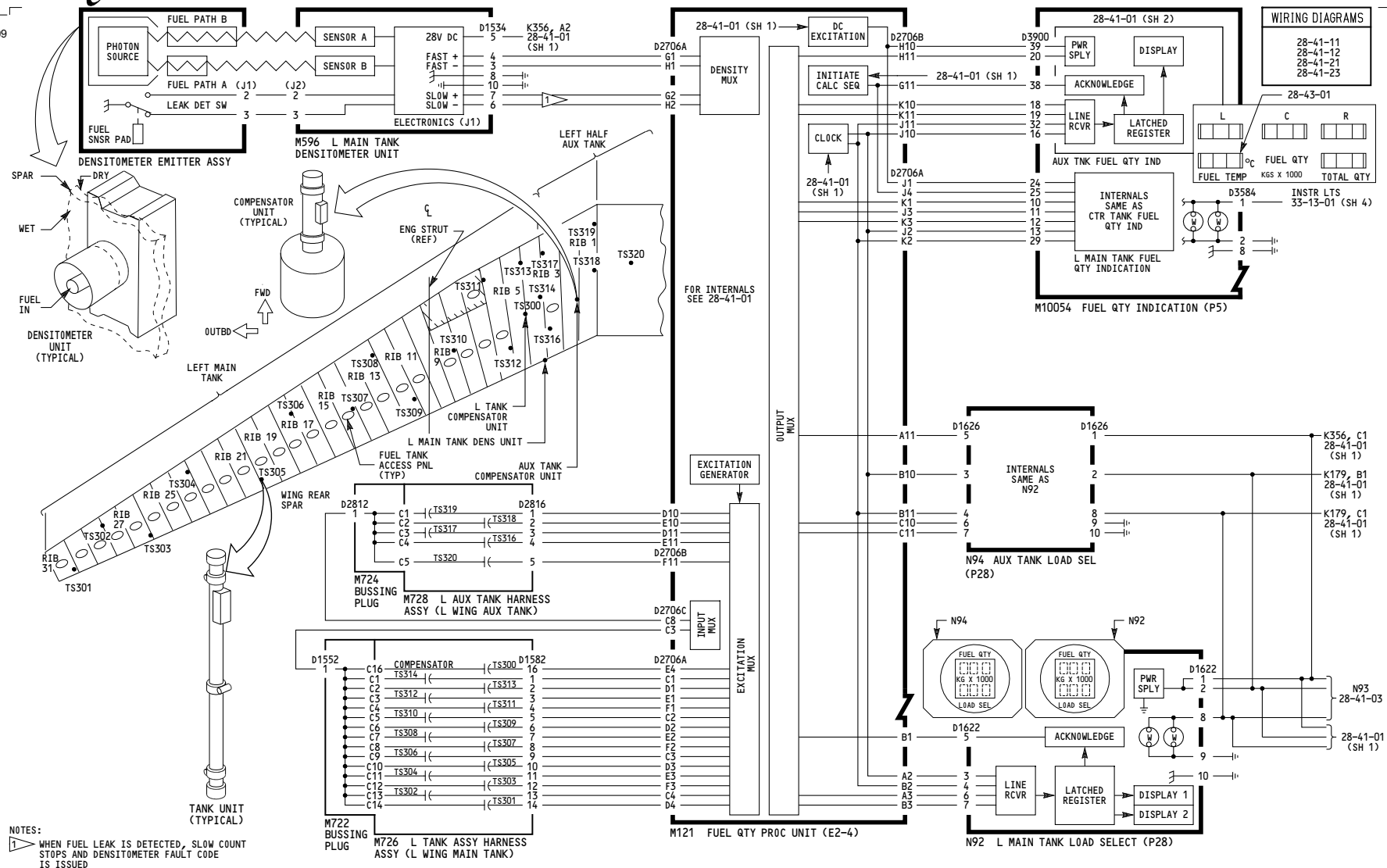
NOTES:
 1. FOR DETAILS WARNING LOGIC AND MESSAGE SEE 28-40-01

275-278

FUEL QUANTITY PROCESSING AND COMMON INPUT/OUTPUT

D280T232

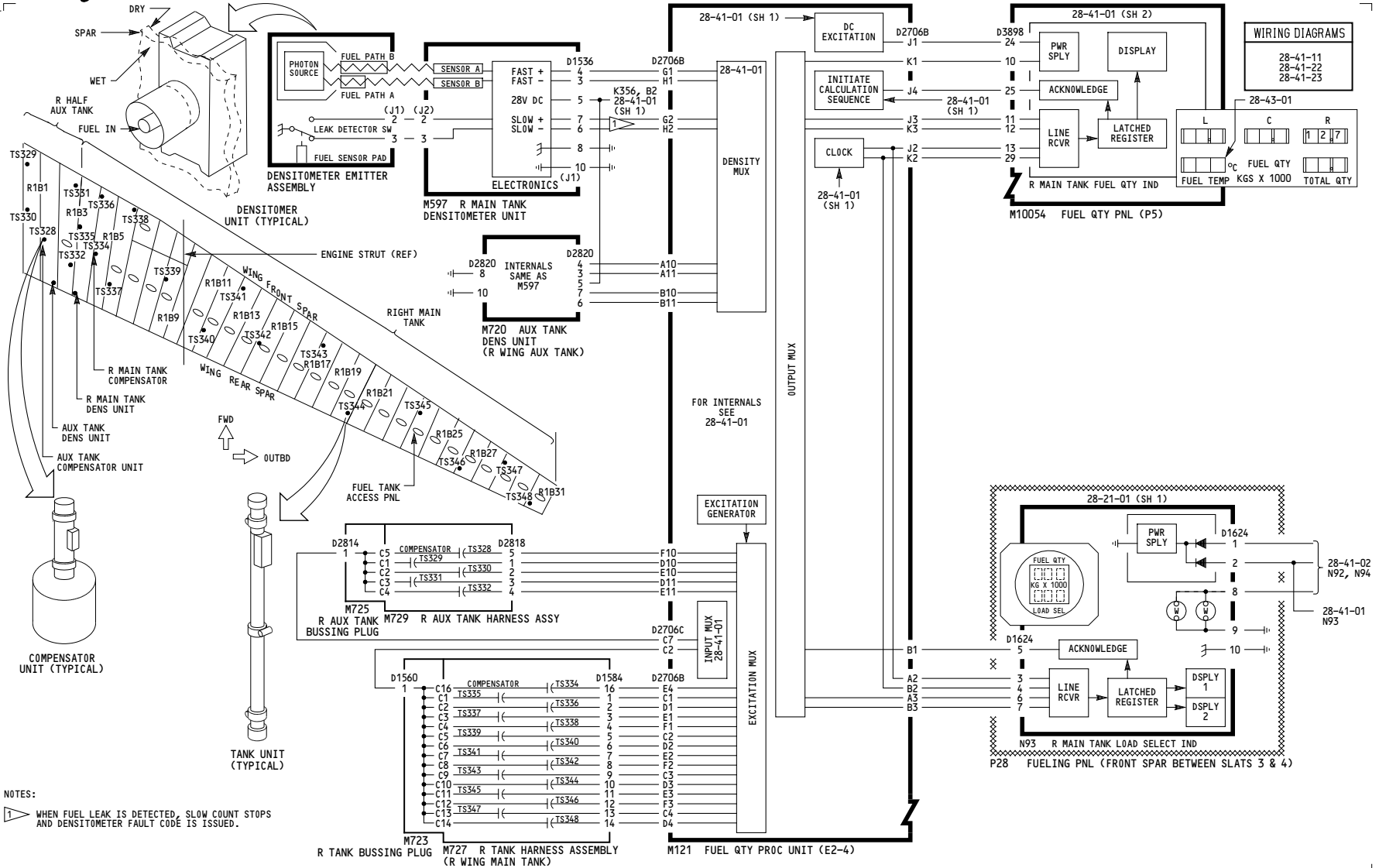
609



ALL	<p>FUEL QUANTITY INDICATION LEFT</p> <p>D280T232</p>
-----	---

28-41-02

611

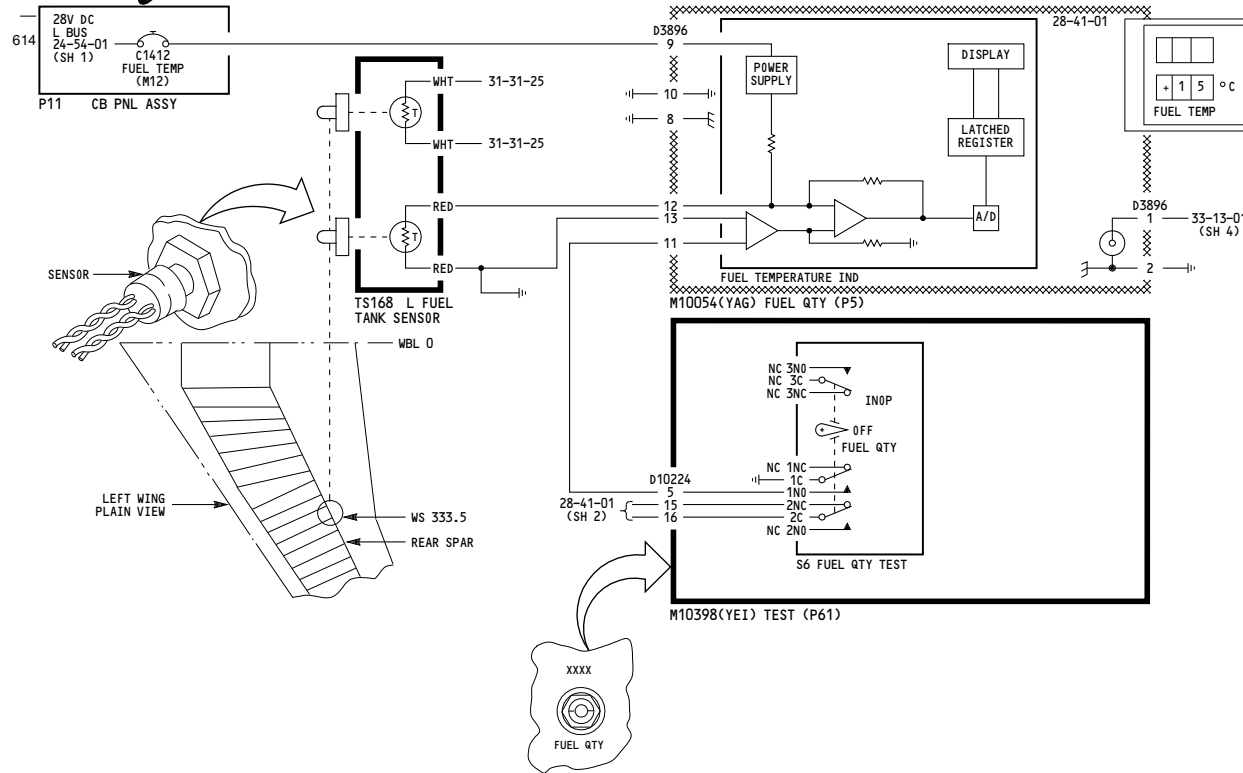


ALL	FUEL QUANTITY INDICATION RIGHT
D280T232	

28-41-03

Page 101

Jan 21/2005



WIRING DIAGRAMS
28-43-11

ALL	<p>FUEL TEMPERATURE INDICATION</p> <p>D280T232</p>
-----	---

28-43-01

Page 101

Jan 21/2005