

CHAPTER

32

LANDING GEAR



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LANDING GEAR

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		1 thru 3		Aug 10/2009			103	3	May 11/2009
		4		BLANK			104	1	Oct 20/2005
32-CONTENTS								2	Oct 20/2005
R		1		Aug 10/2009				3	May 11/2009
		2		May 11/2009			105	1	Nov 11/2008
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			3	May 11/2009			104	1	Jul 17/2007
		103	1	Jul 17/2007				2	Jul 17/2007
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A = Added, R = Revised, D = Deleted, O = Overflow

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32-09-12 (cont.)		105	1	May 11/2009	32-42-11 (cont.)		101.1	2	Jul 26/2006
			2	May 11/2009				3	Mar 31/2005
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			3	May 11/2009	32-44-11				
32-30-00							101		Feb 09/2009
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32-42-11							101	1	Jul 17/2007
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		102	1	Feb 09/2009					
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		103	1	May 11/2009					
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LANDING GEAR SYSTEMS- SIMPLIFIED	32-00-00		101	1	Aug 10/2009	ALL	
				2	Feb 09/2009	ALL	
AIR/GROUND SYSTEM							
AIR/GND SYSTEM 1 & LEVER LATCH	32-09-11		101	1	Oct 20/2005	YC001-YC007	
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				104	1	Oct 20/2005	YK901-YK905
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				106	1	Feb 09/2009	YK918-YL401 YL429
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AIR/GND SYSTEM 2 AND NOSE GEAR GROUND SENSING RELAYS	32-09-12		101	1	Jul 17/2007	YC001-YC026
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<u>EXTENSION AND RETRACTION</u>						
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<u>ALTERNATE EXTENSION</u>						
ALTERNATE LANDING GEAR EXTENSION SYSTEM	32-35-11		101		Feb 09/2009	ALL
<u>WHEELS AND BRAKES</u>						
BRAKE SYSTEM	32-40-00		101		Feb 09/2009	ALL
<u>ANTISKID BRAKE SYSTEM</u>						
ANTISKID SYSTEM	32-41-11		101	1	Feb 09/2009	ALL
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<u>AUTOBRAKE SYSTEM</u>						
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<u>PARKING BRAKE SYSTEM</u>						
PARKING BRAKE SYSTEM	32-44-11		101		Feb 09/2009	ALL
<u>NOSE WHEEL STEERING SYSTEM</u>						
NOSE GEAR STEERING	32-51-11		101		Feb 09/2009	ALL
<u>LANDING GEAR POSITION INDICATING AND WARNING SYSTEM</u>						
LANDING GEAR POSITION INDICATION SYSTEM 1	32-61-11		101		Mar 31/2005	YC001-YC018
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LANDING GEAR POSITION INDICATION SYSTEM 2	32-61-12		101		May 13/2008	YC001-YK910 YL421-YL423 YM643
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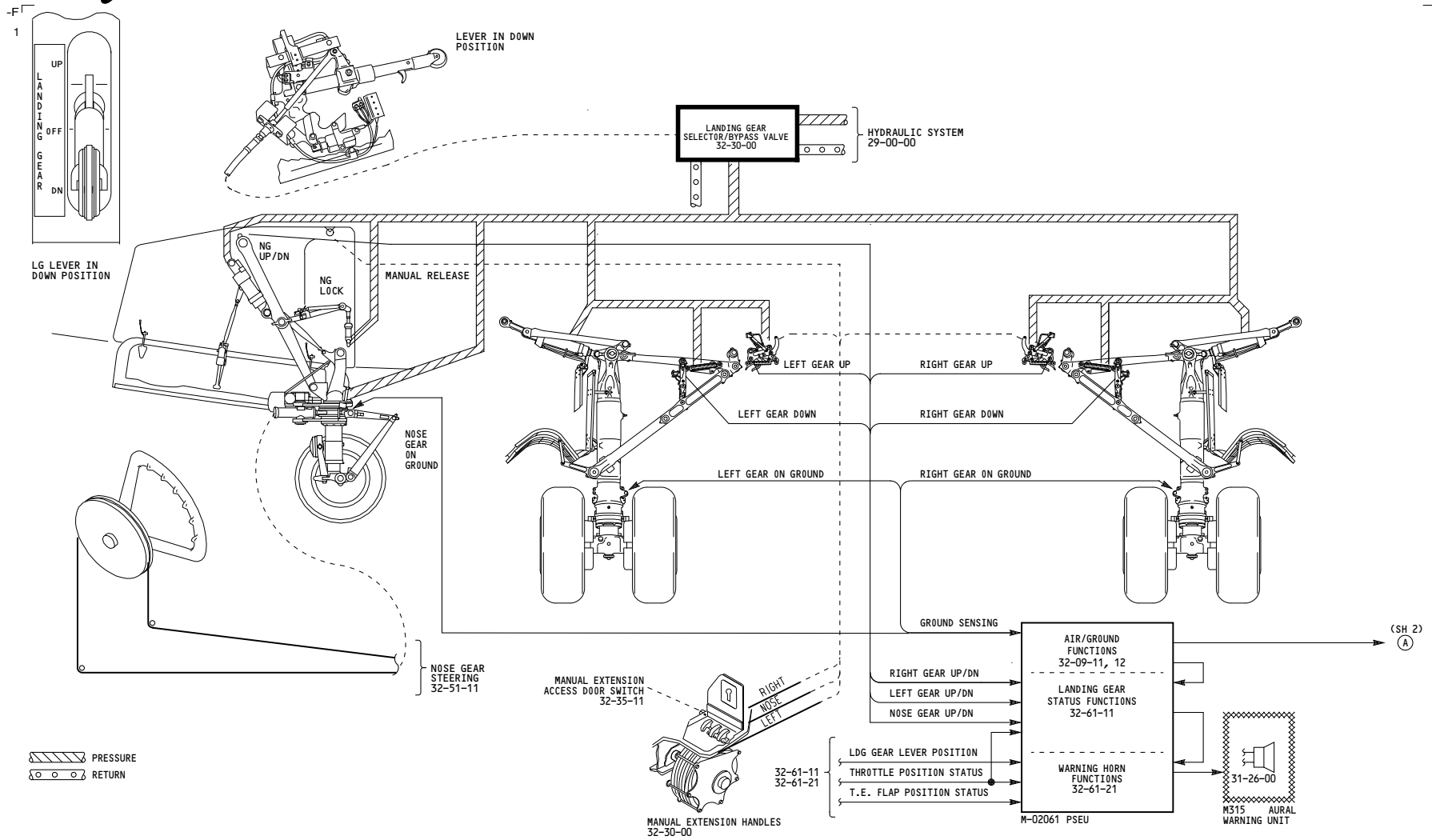
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32-09-12	AIR/GND SYSTEM 2 AND NOSE GEAR GROUND SENSING RELAYS
32-35-11	ALTERNATE LANDING GEAR EXTENSION SYSTEM
32-41-11	ANTISKID SYSTEM
32-42-11	AUTOBRAKE SYSTEM
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32-61-21	LANDING GEAR WARNING
32-51-11	NOSE GEAR STEERING
32-44-11	PARKING BRAKE SYSTEM

CH-SC-SU	Title
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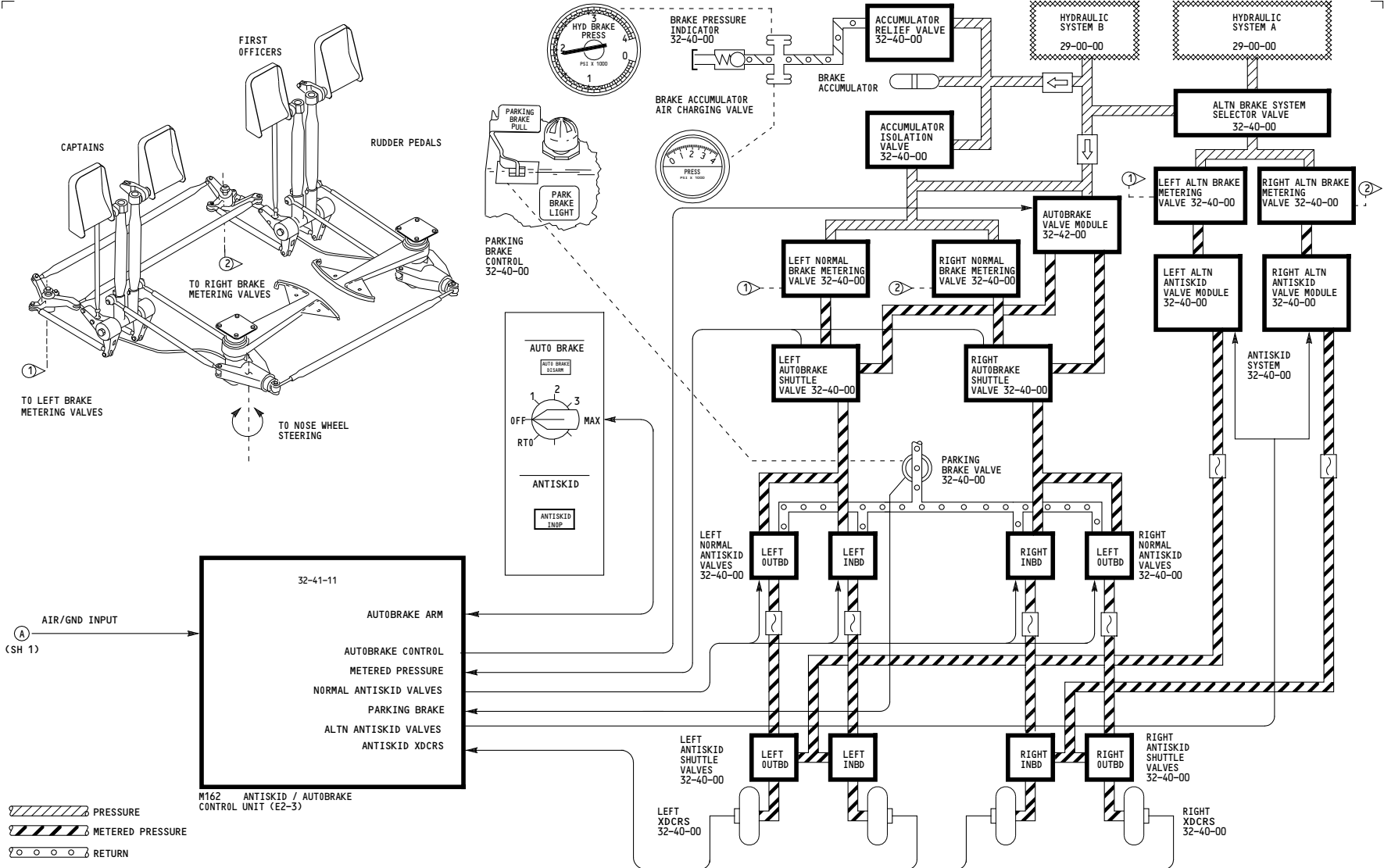
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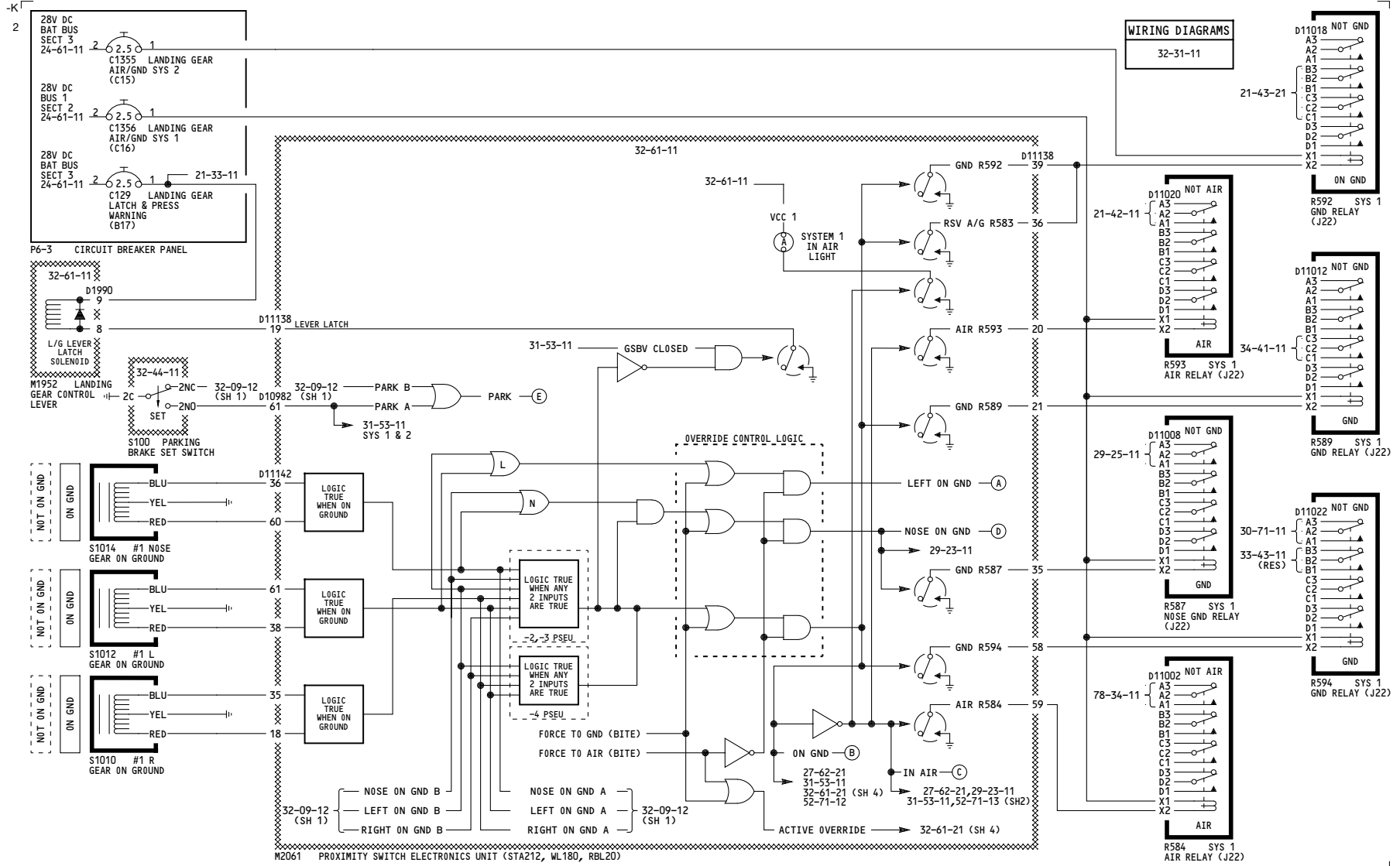


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**LANDING GEAR SYSTEMS-
SIMPLIFIED**

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32-00-00



YC001-YC007

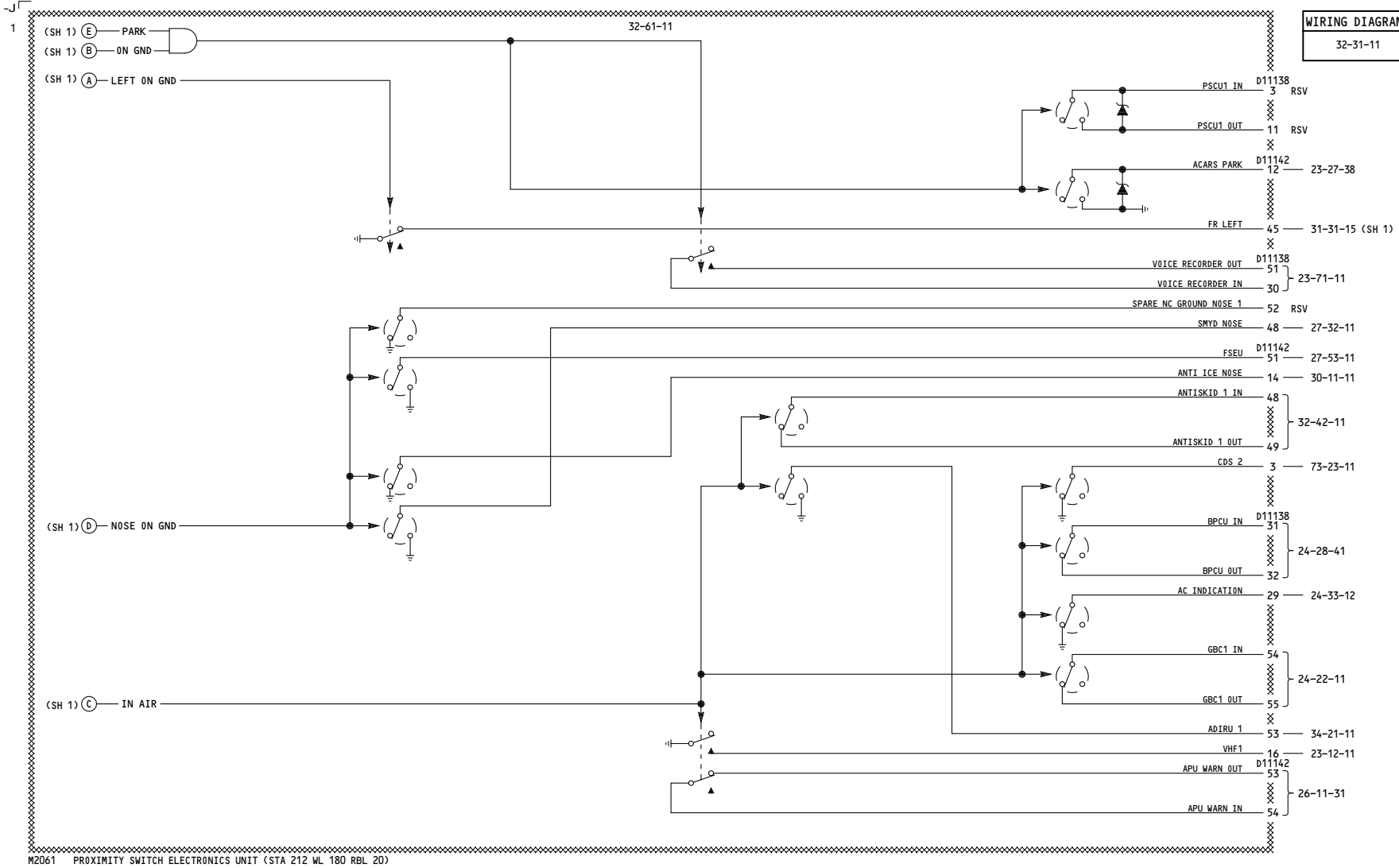
AIR/GND SYSTEM 1 & LEVER LATCH

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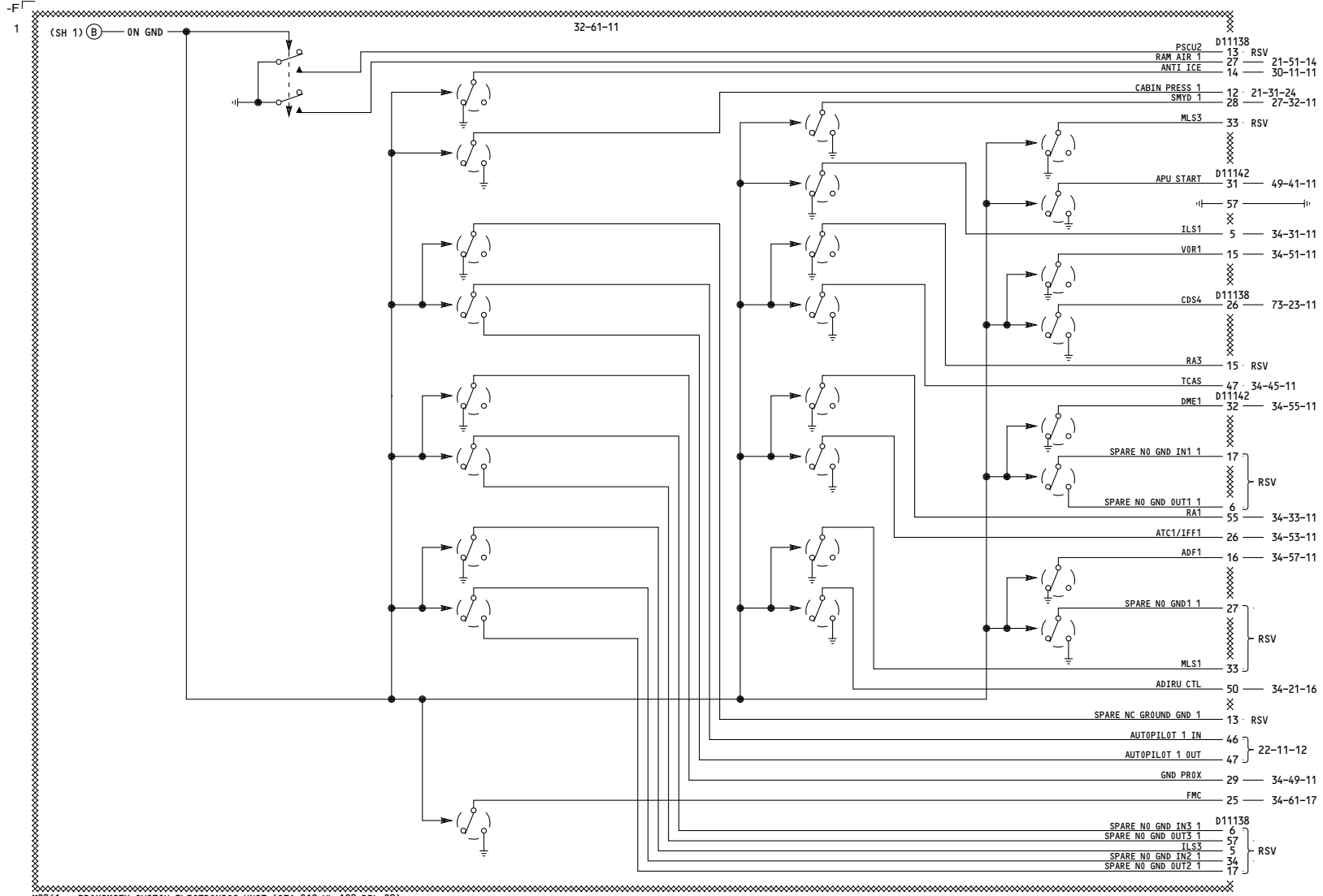
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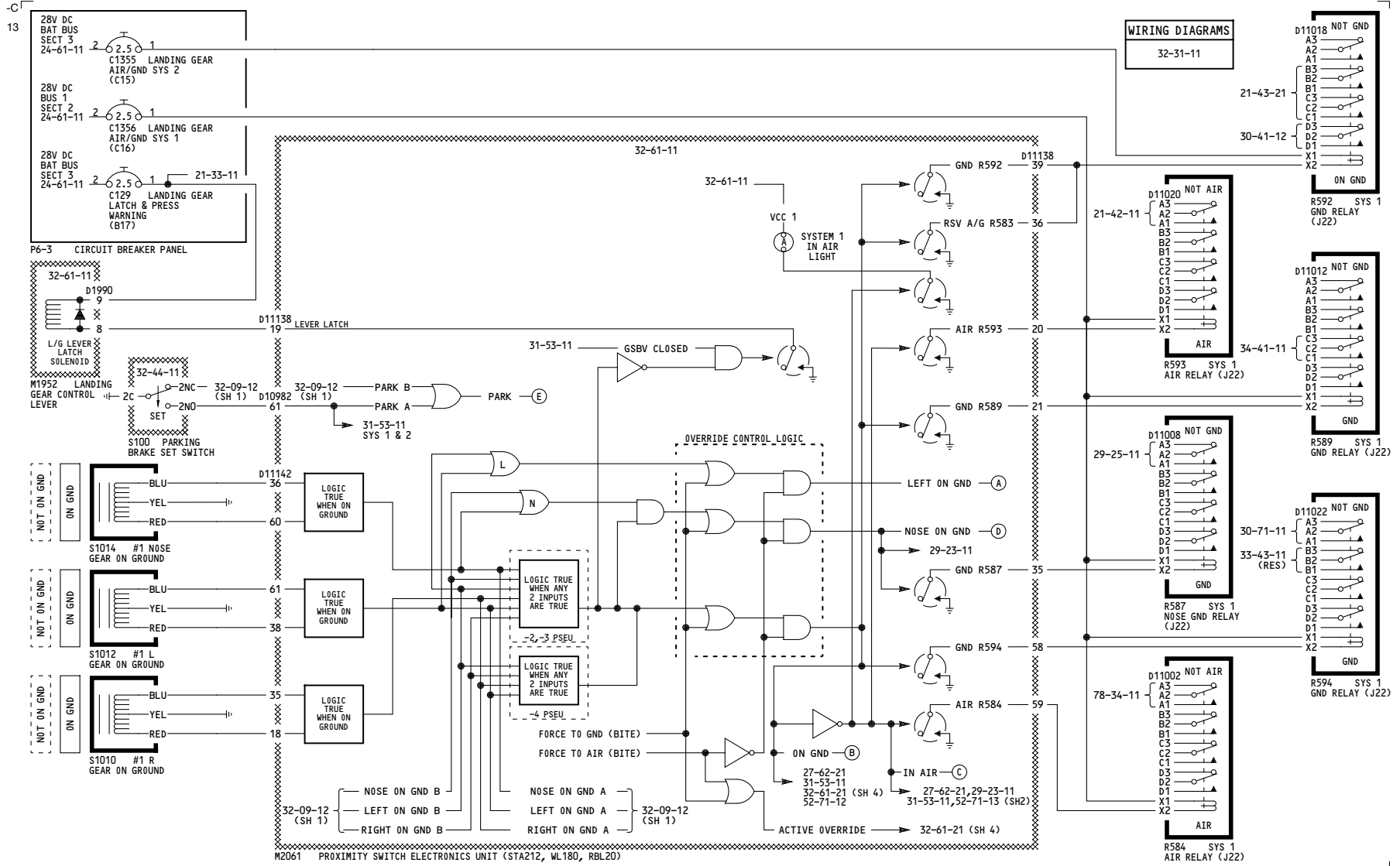
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YC008-YC011

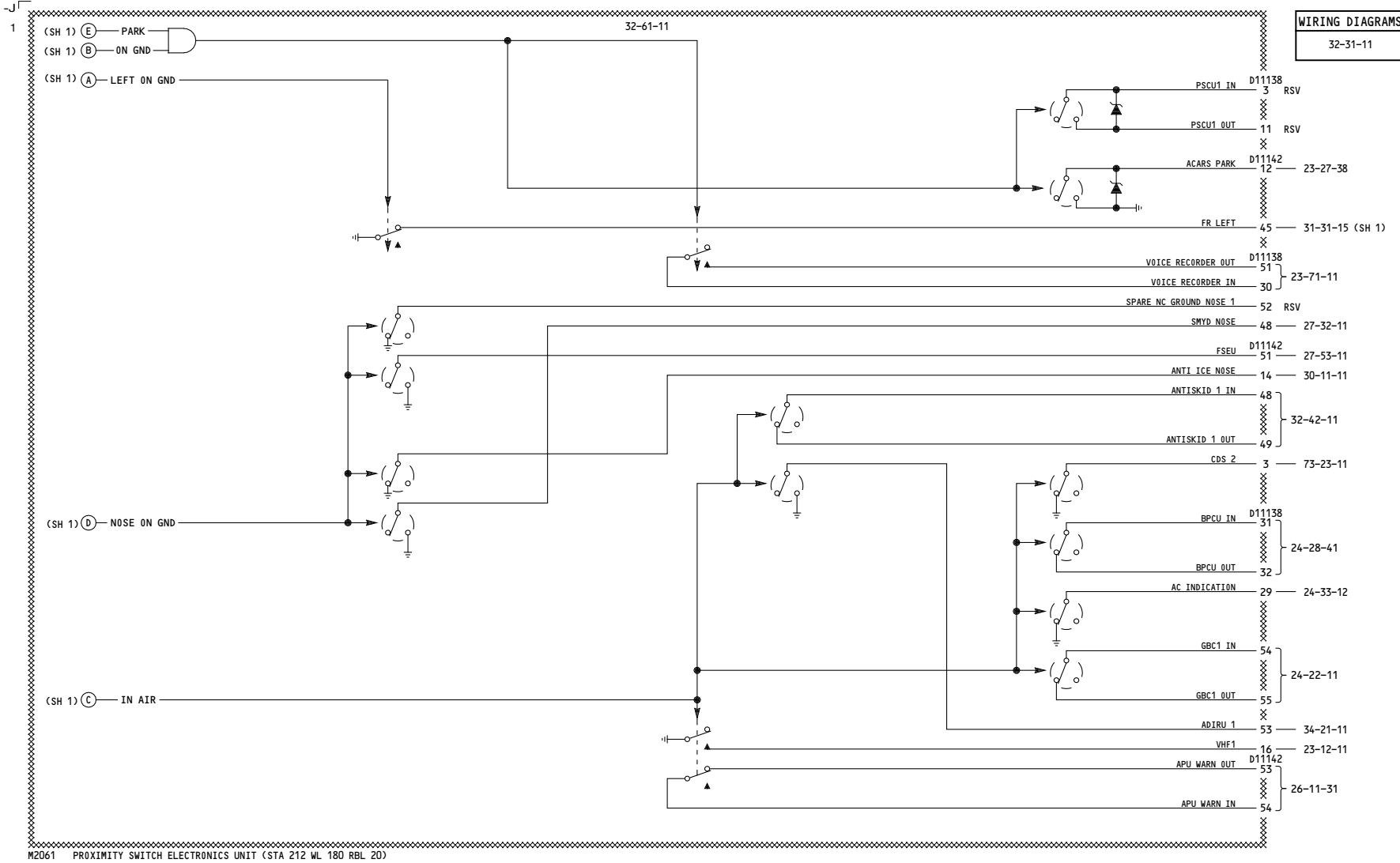
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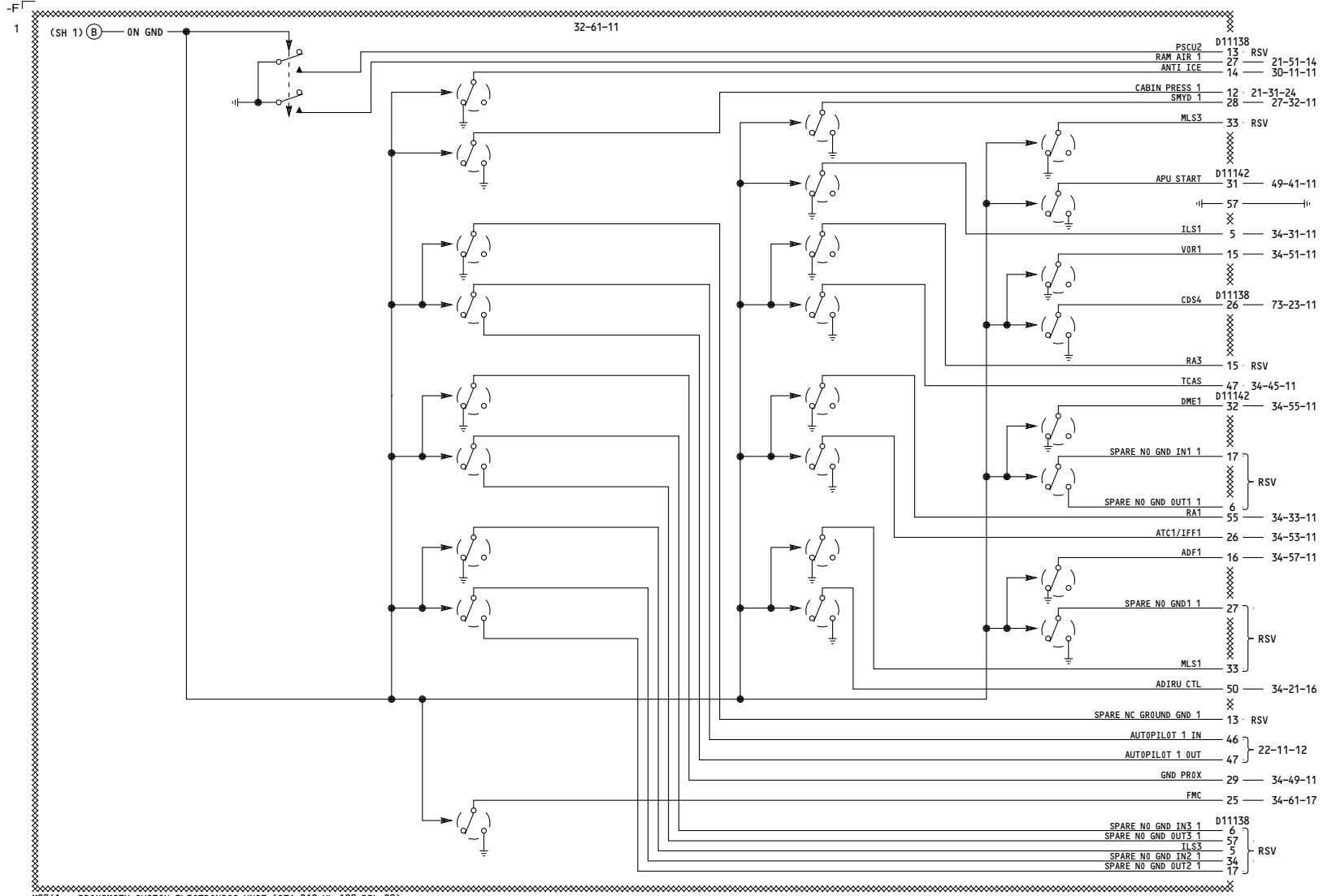
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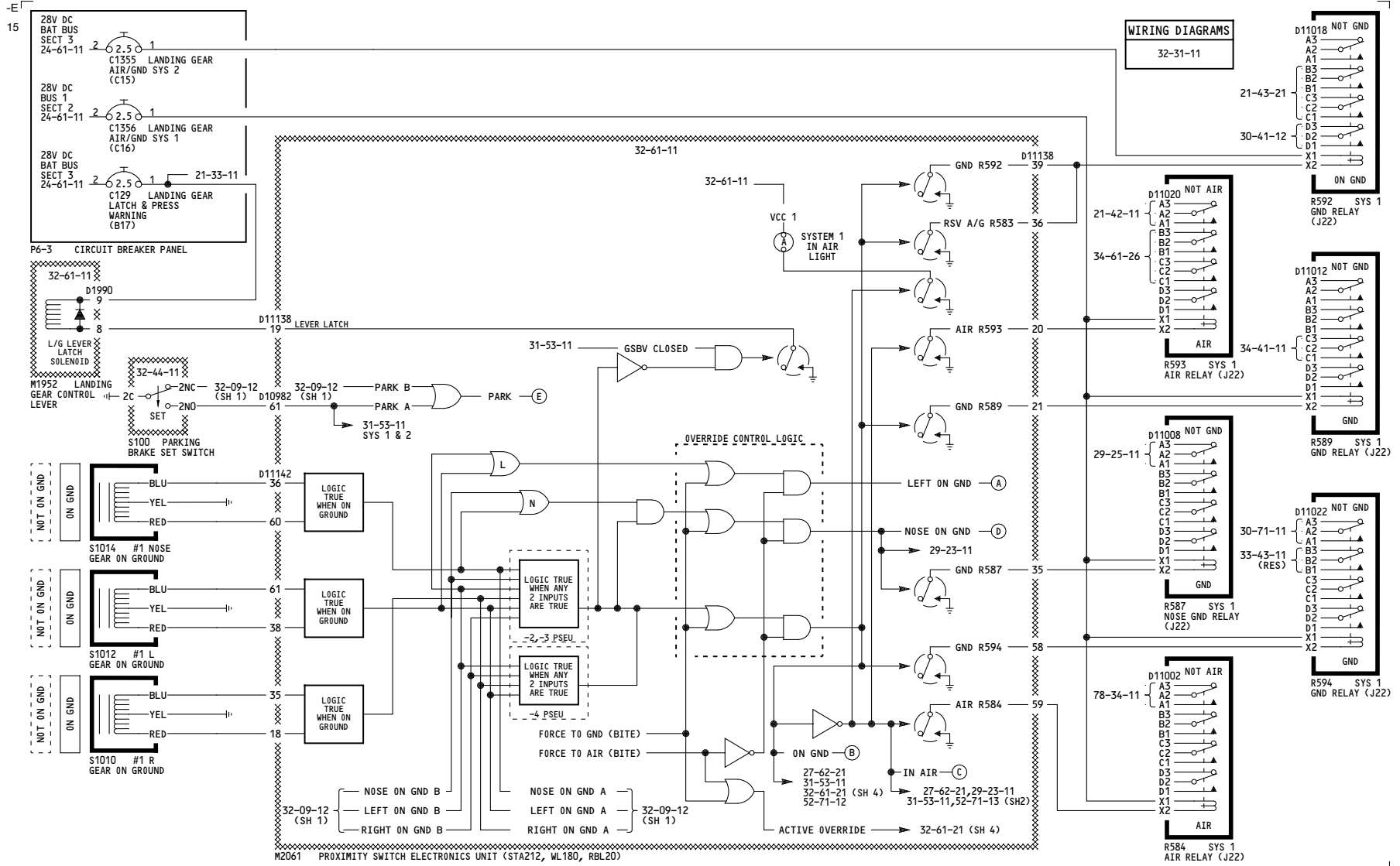
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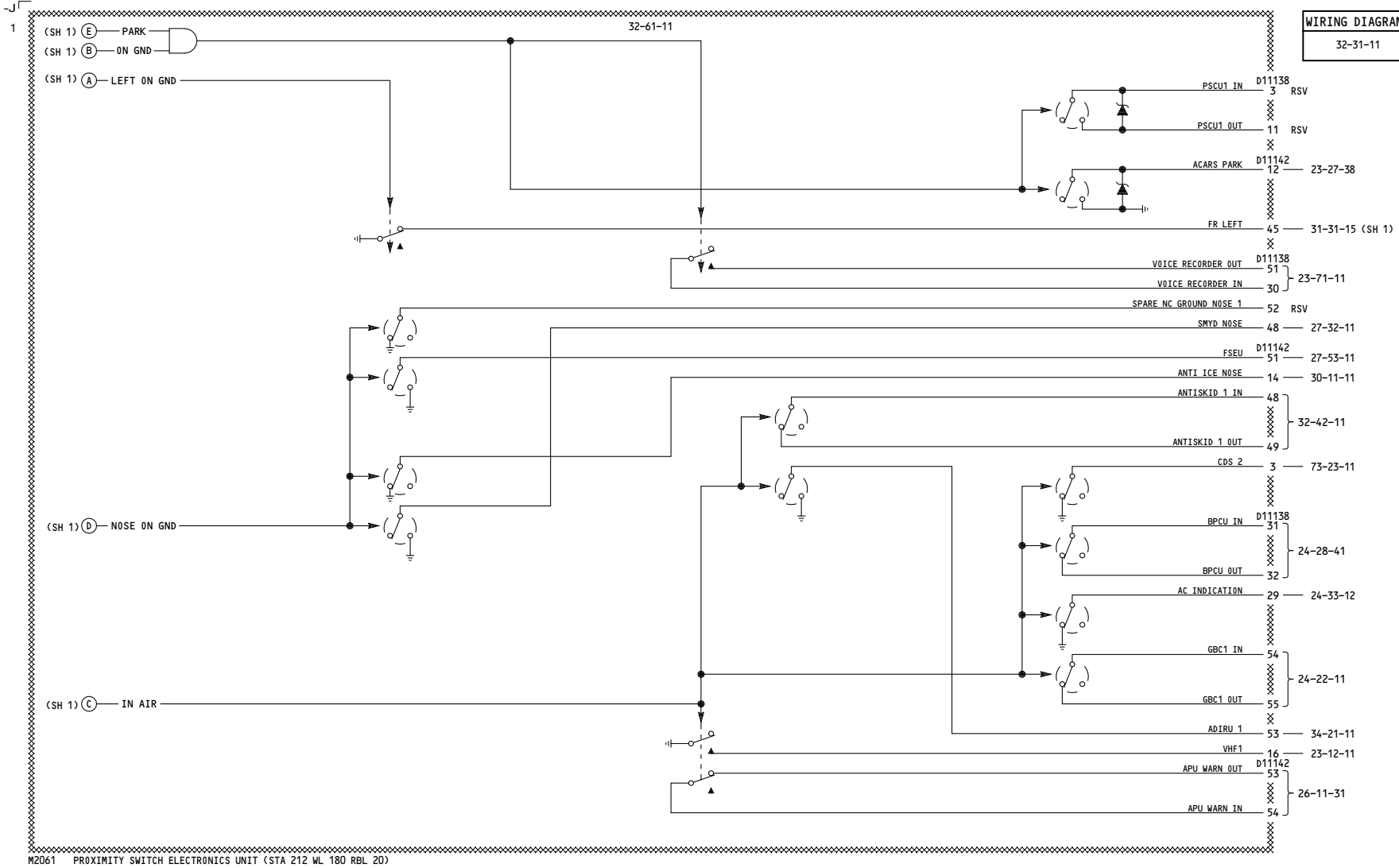
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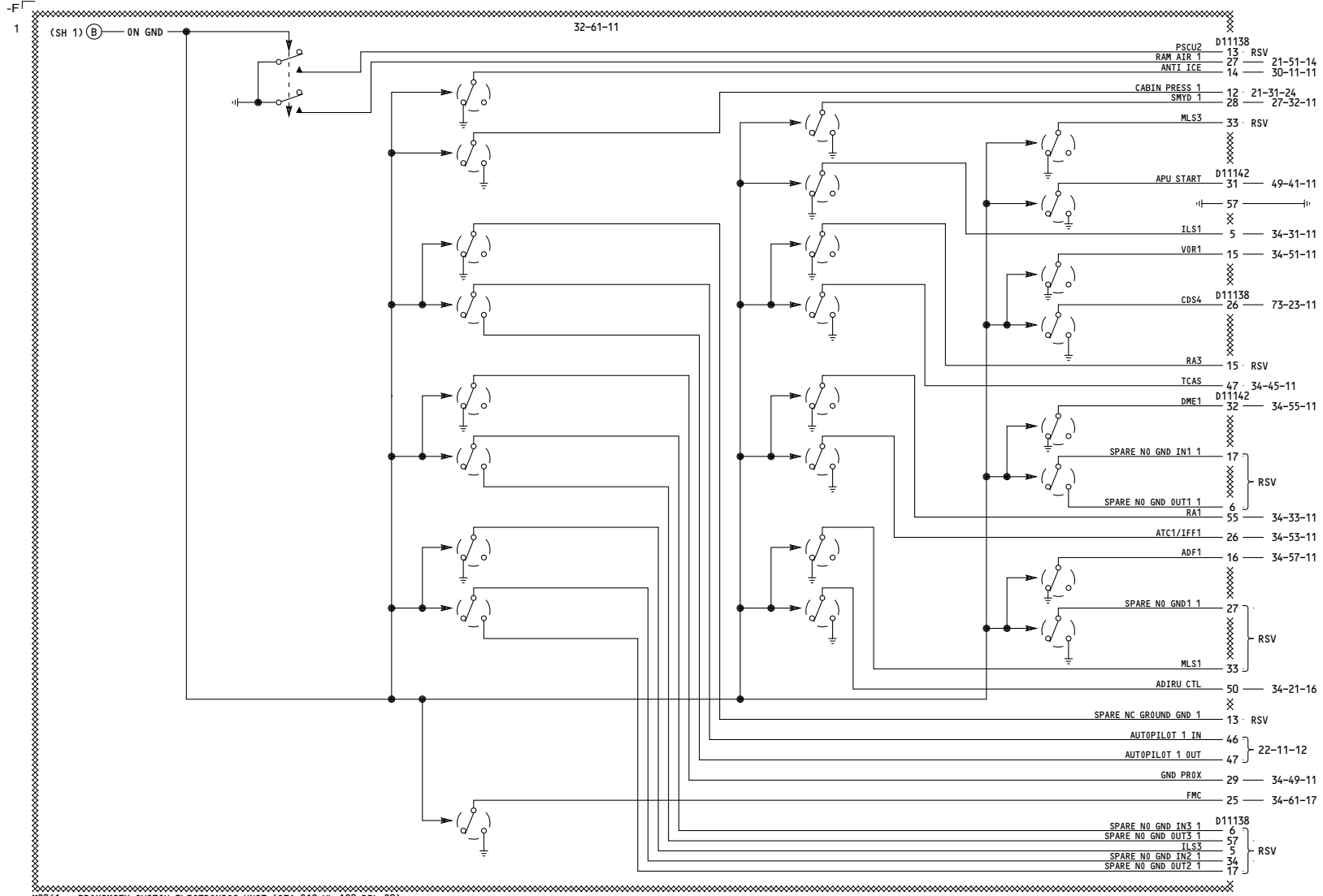
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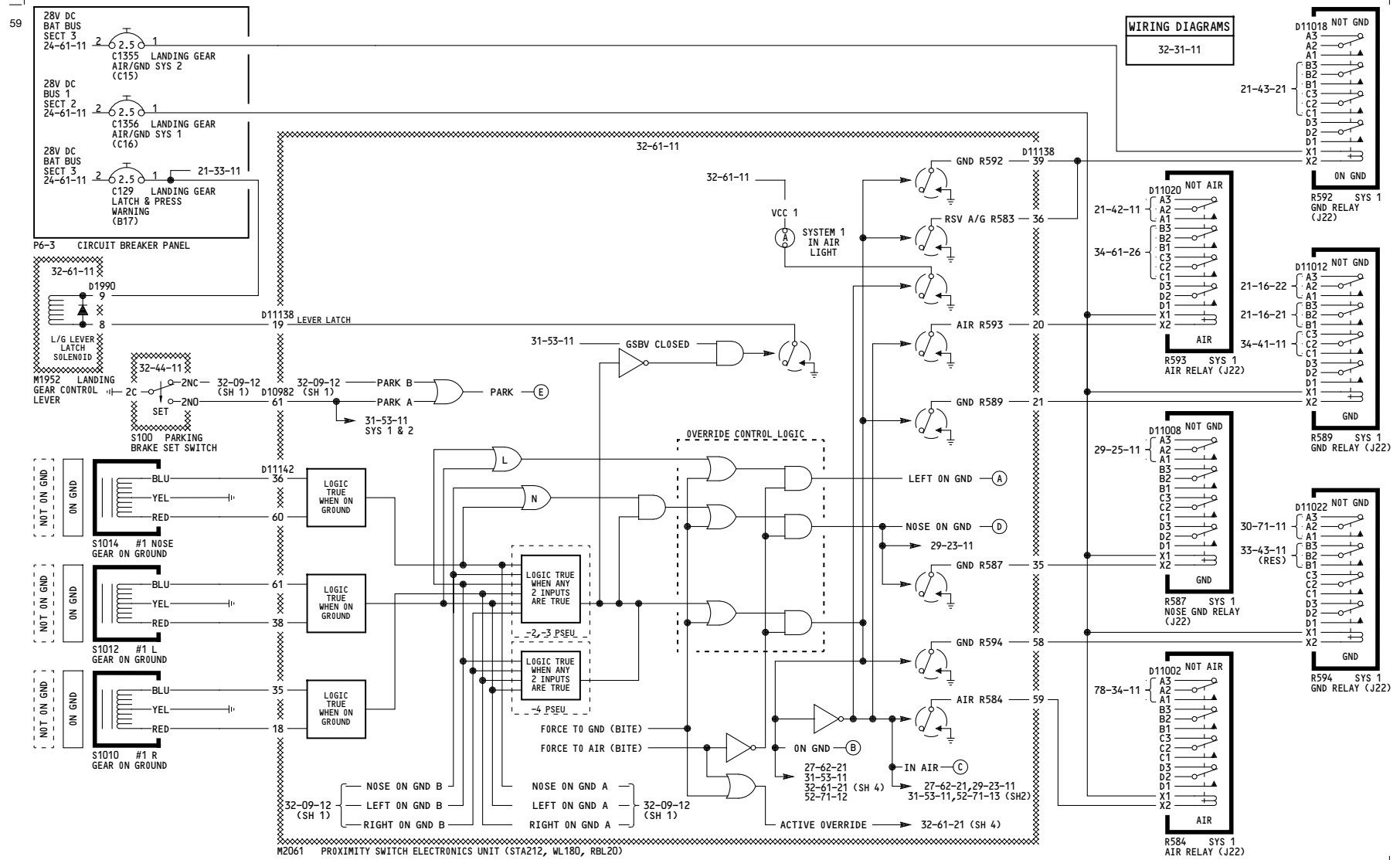
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YC012-YC030	AIR/GND SYSTEM 1 & LEVER LATCH
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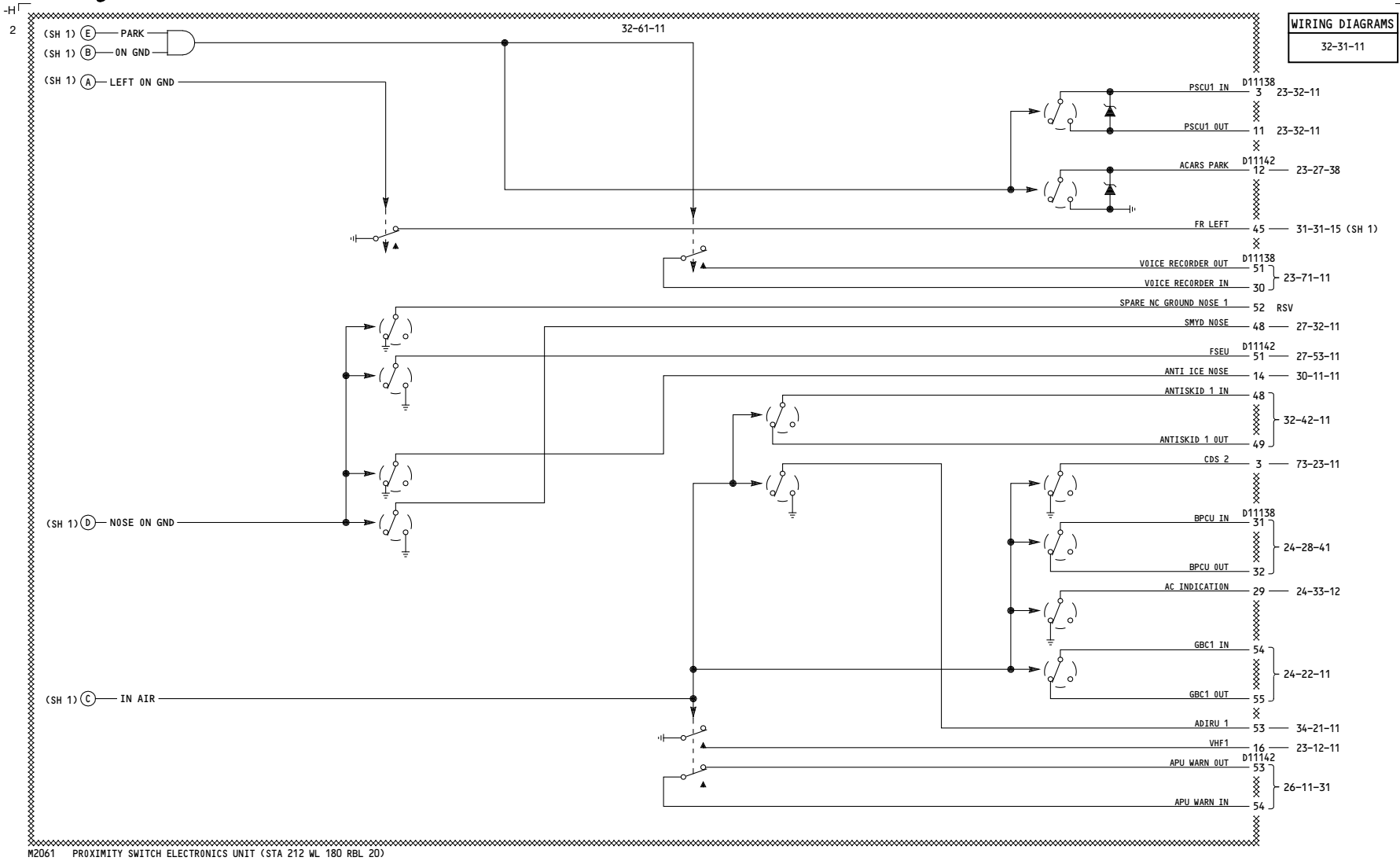
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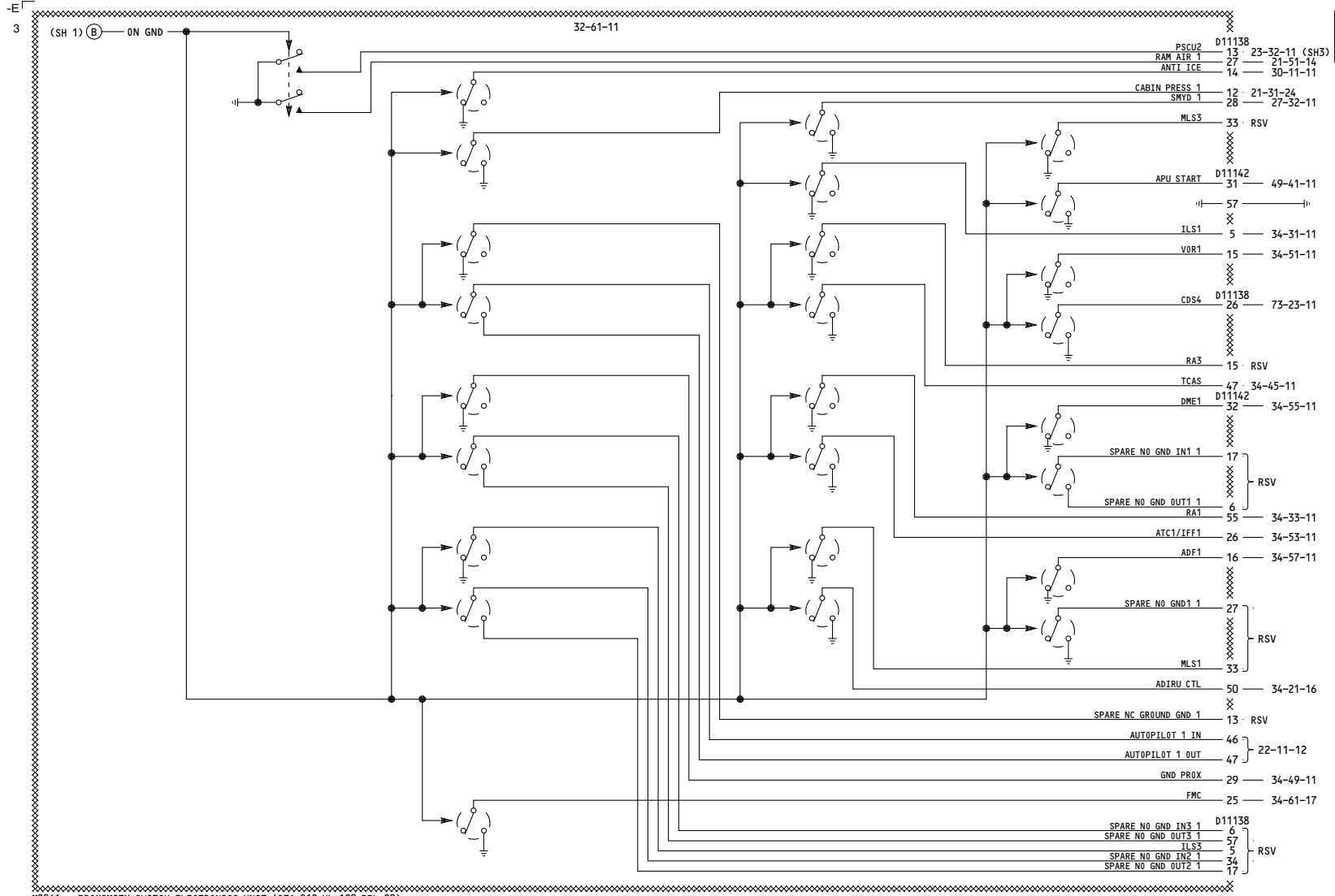
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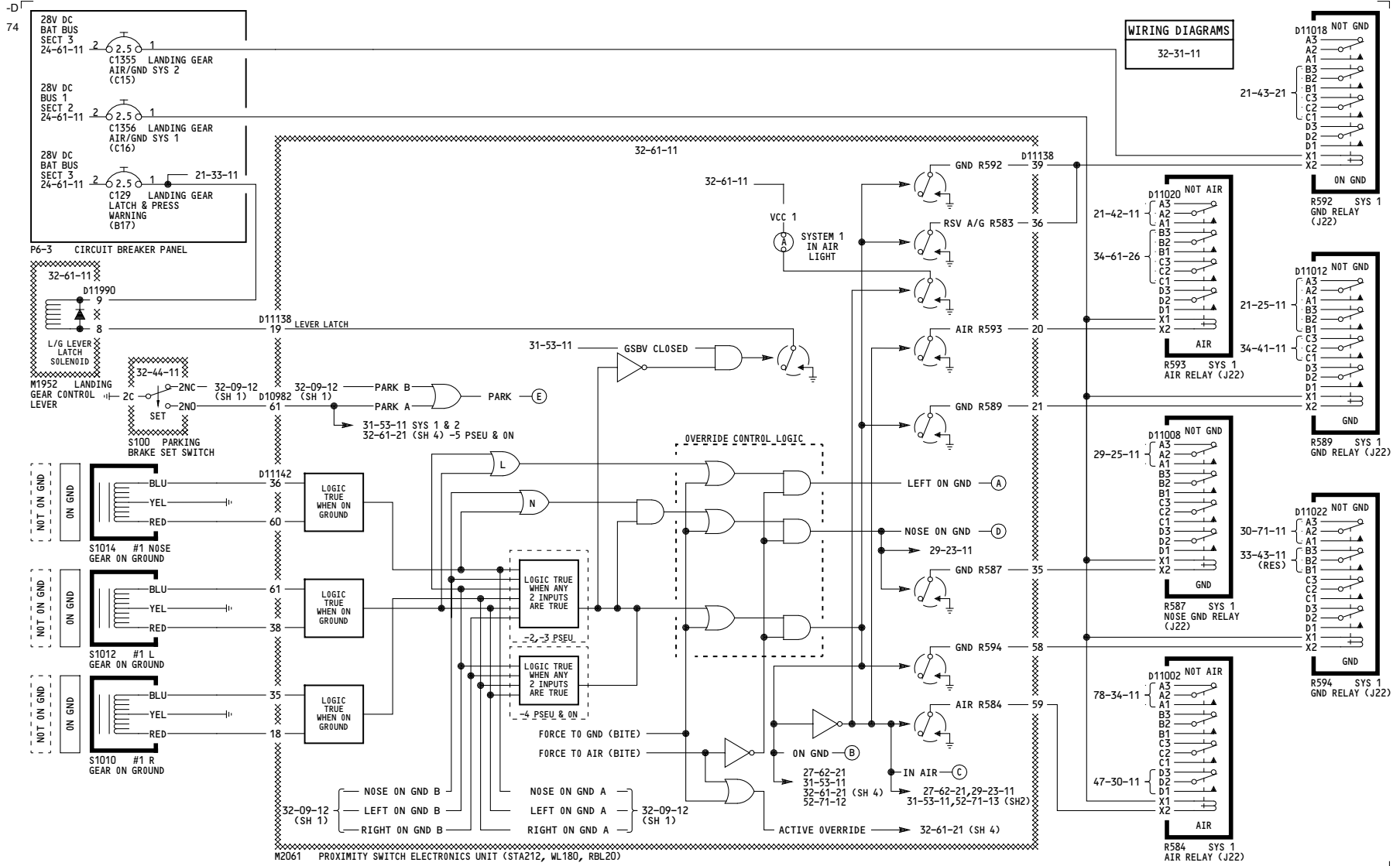
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YK906-YK917, YL421-YL428, YL430-YM670

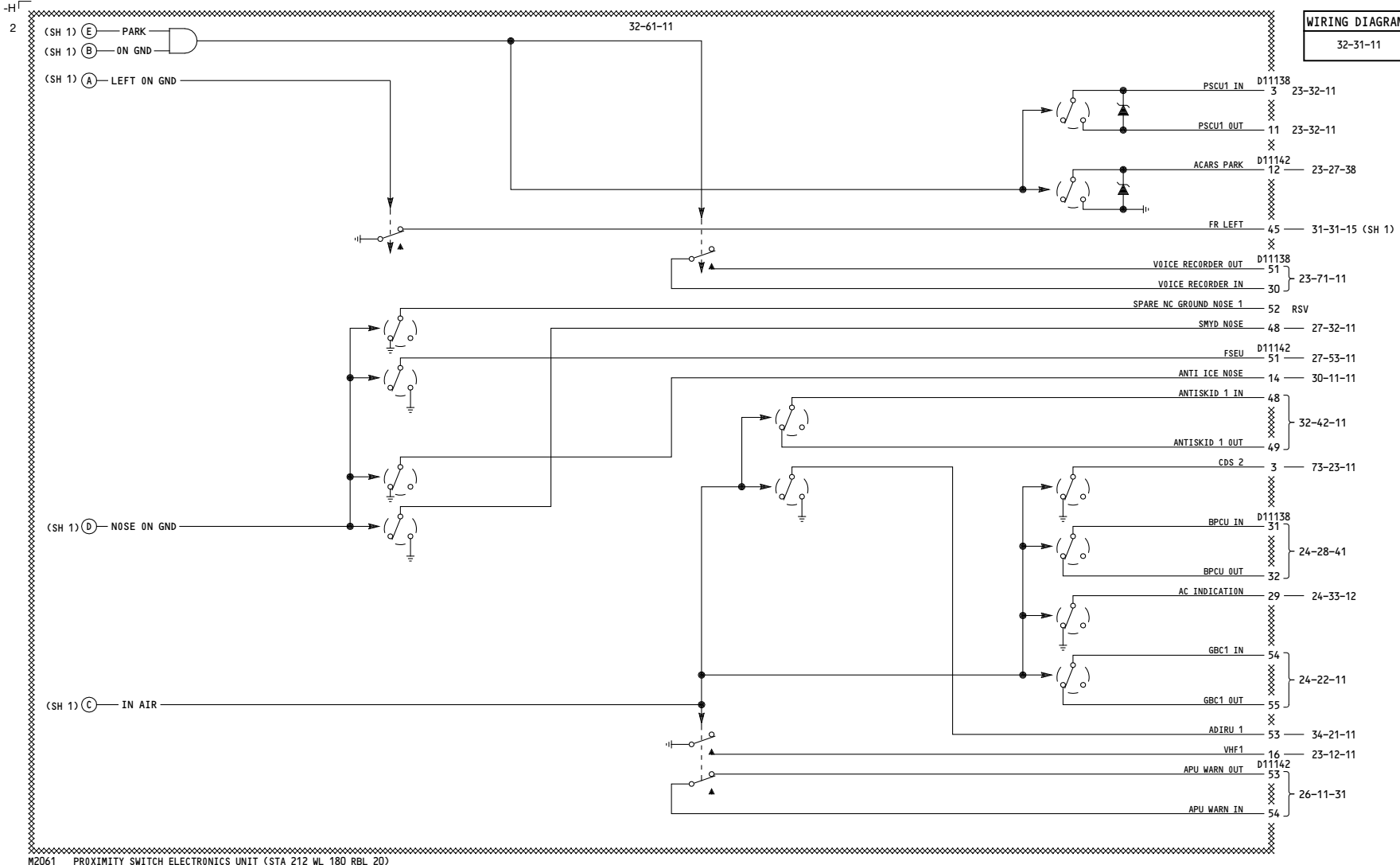
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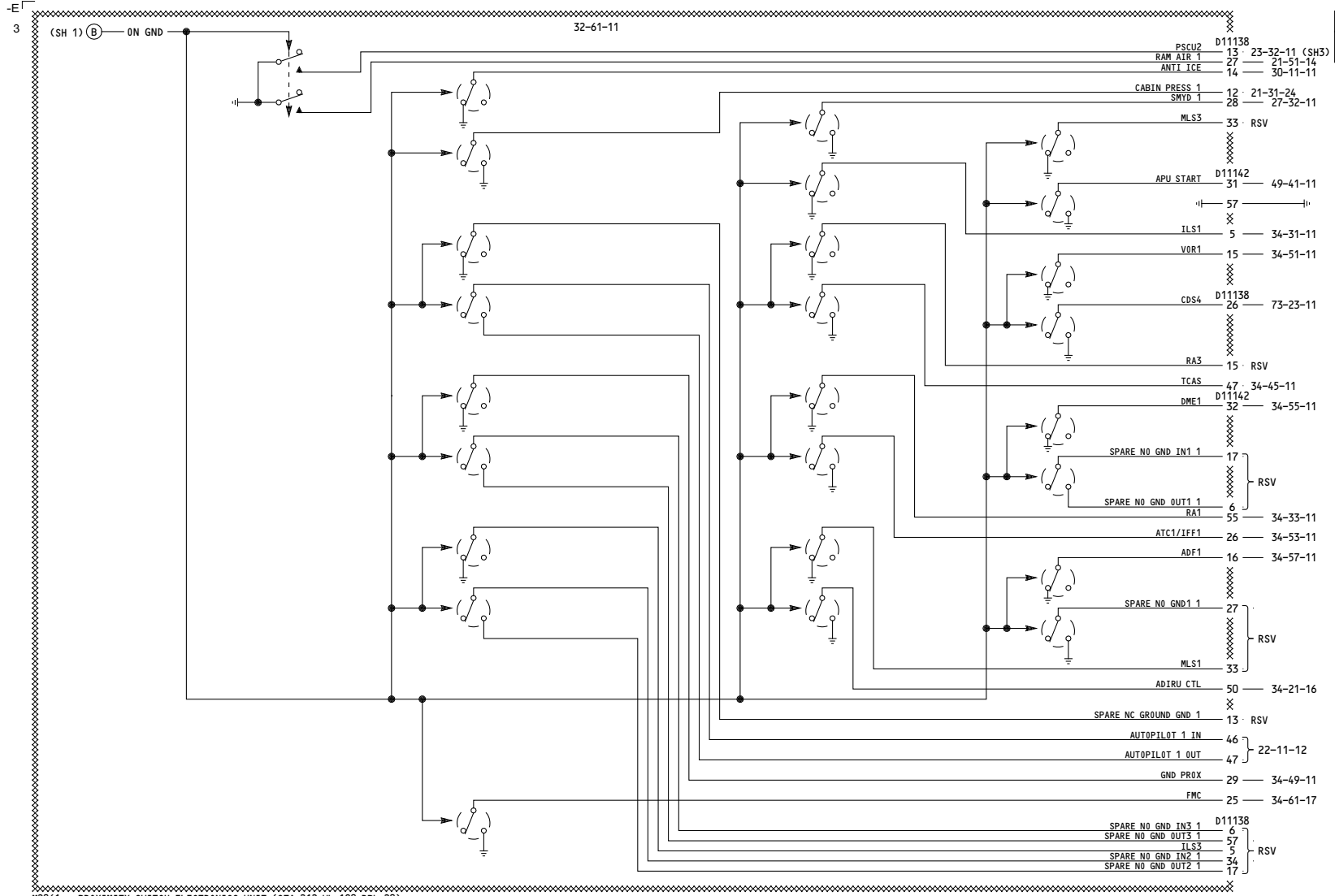
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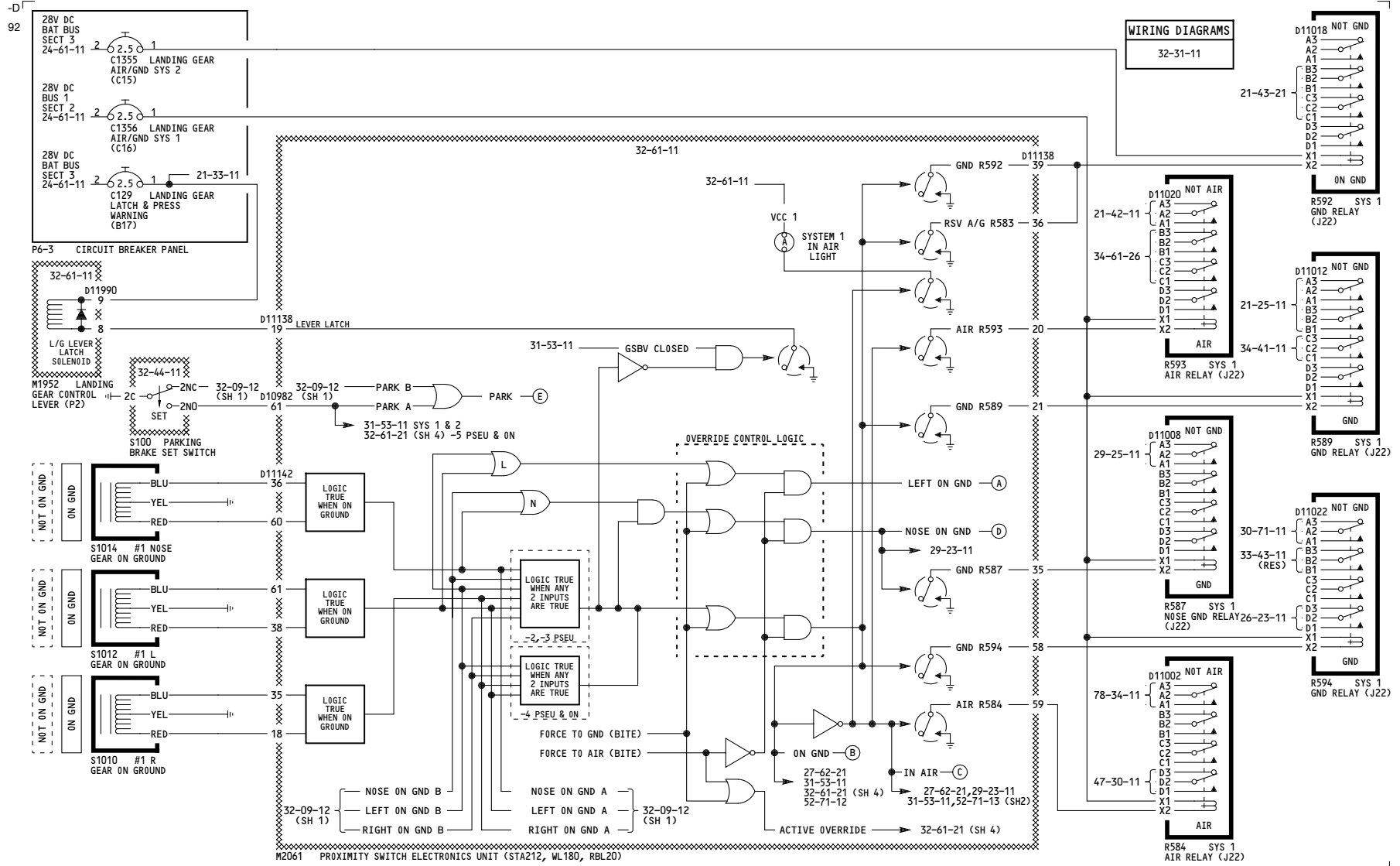
AIR/GND SYSTEM 1 & LEVER LATCH

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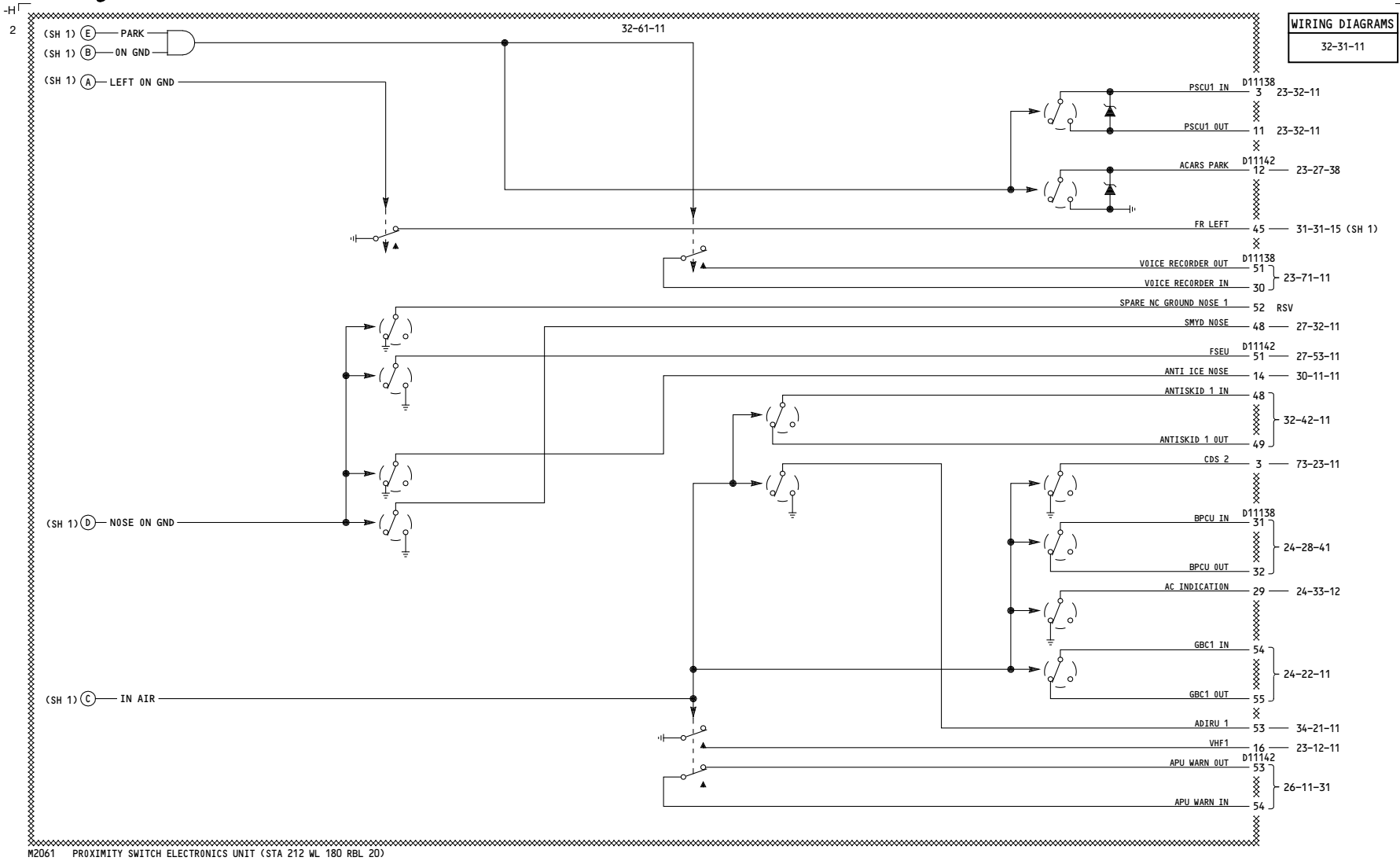


YK918-YL401, YL429

AIR/GND SYSTEM 1 & LEVER LATCH

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YK918-YL401, YL429

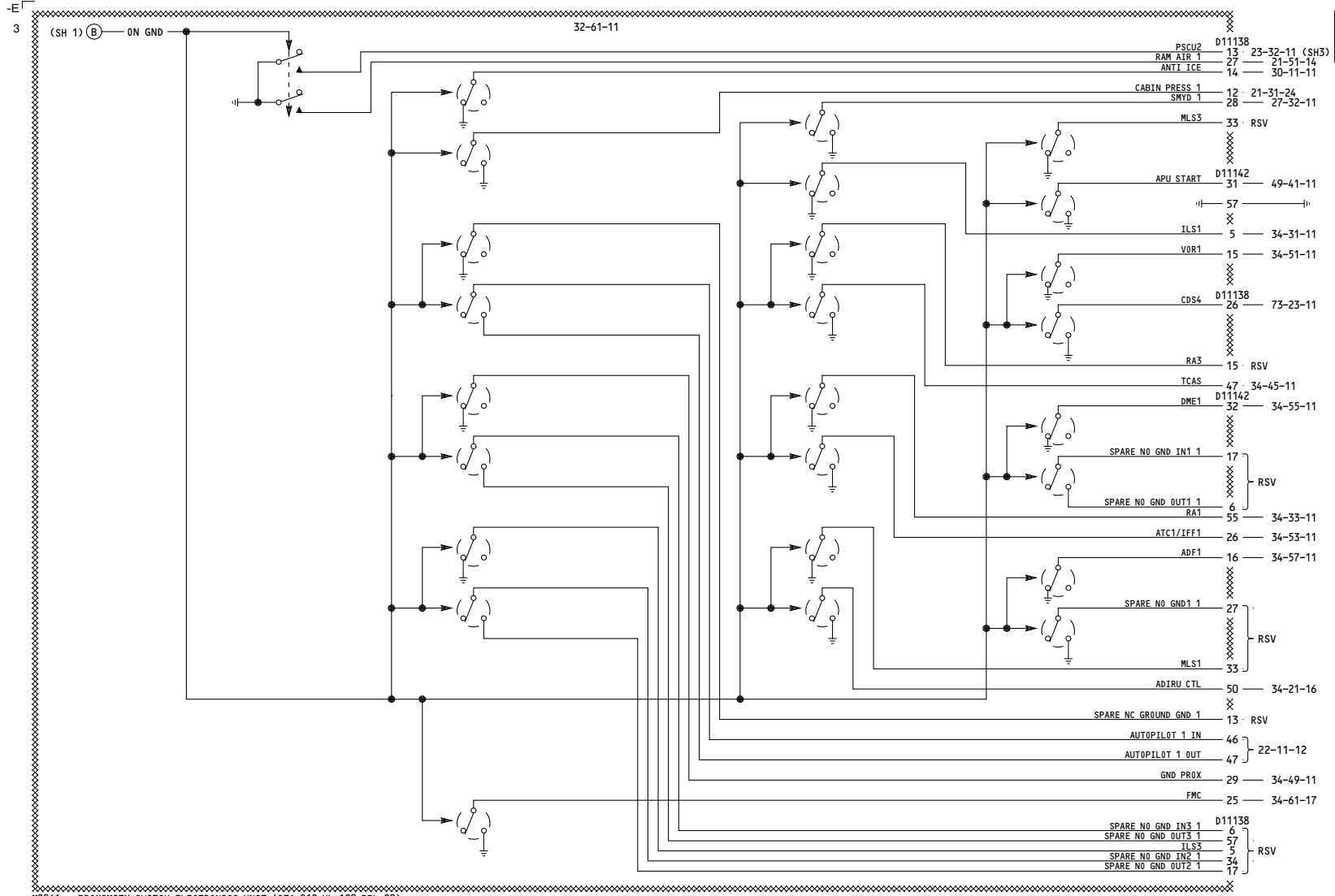
AIR/GND SYSTEM 1 & LEVER LATCH

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YK918-YL401, YL429

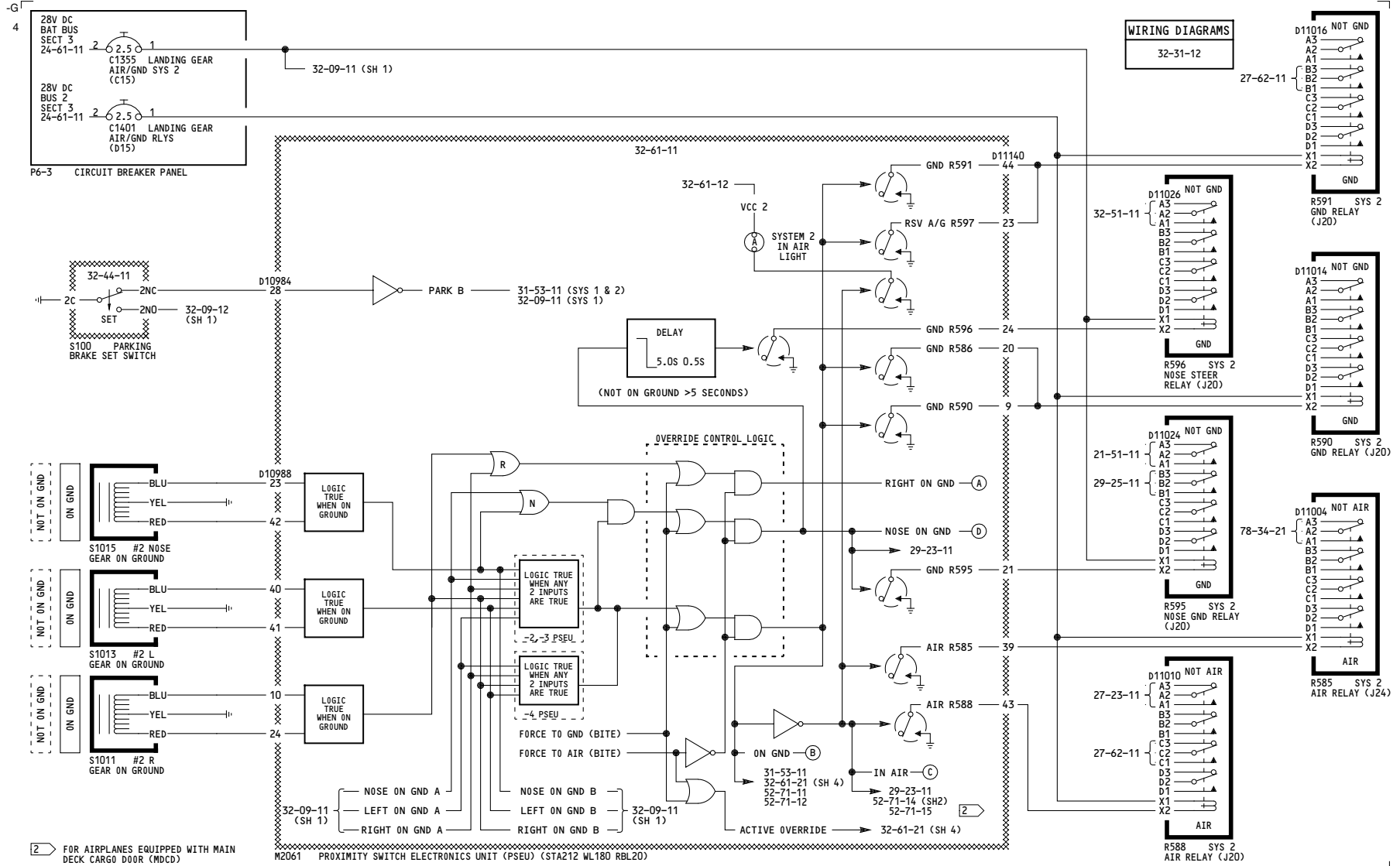
AIR/GND SYSTEM 1 & LEVER LATCH

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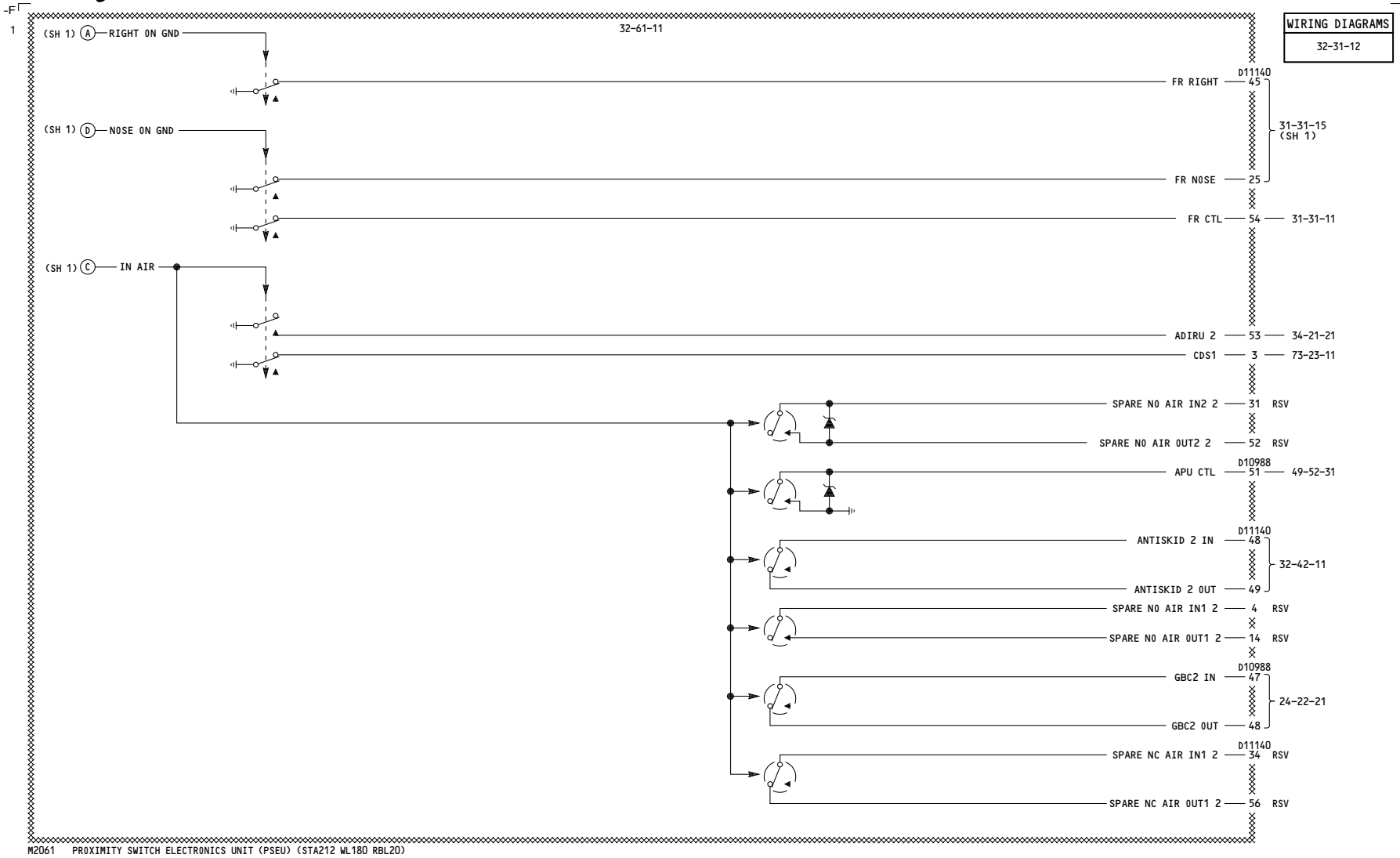


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AIR/GND SYSTEM 2 AND NOSE GEAR GROUND SENSING RELAYS

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32-09-12



YC001-YC026

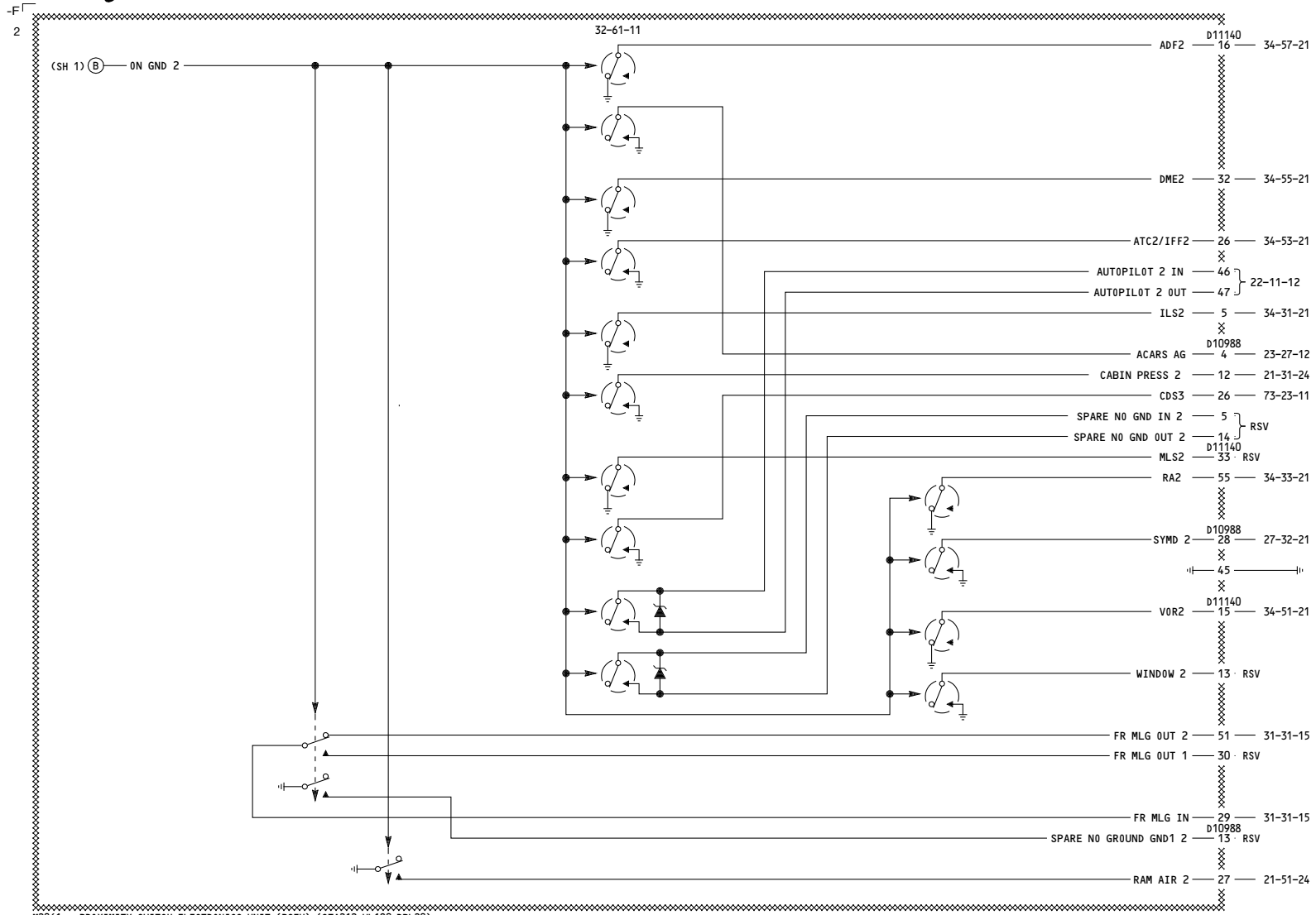
**AIR/GND SYSTEM 2 AND
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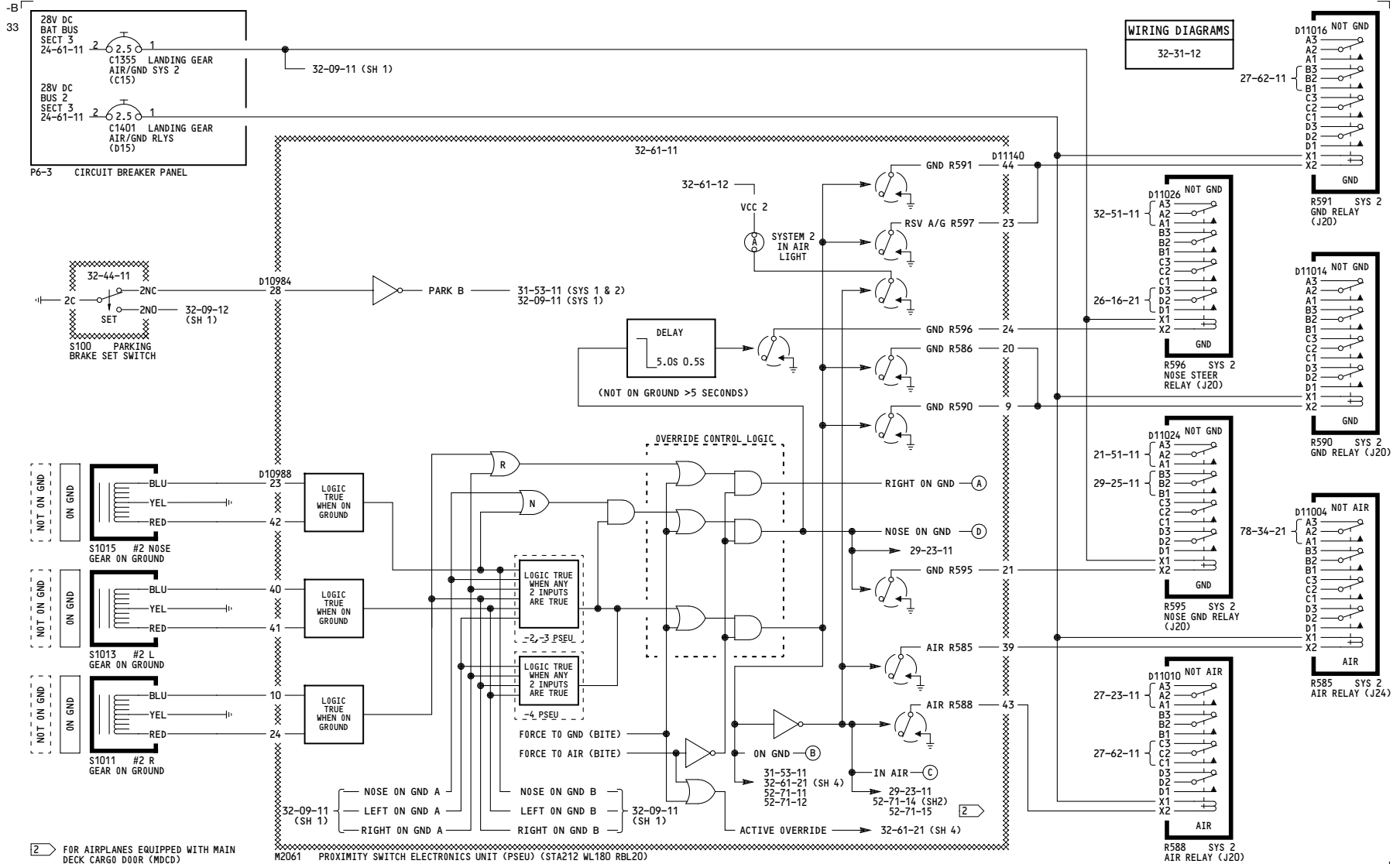
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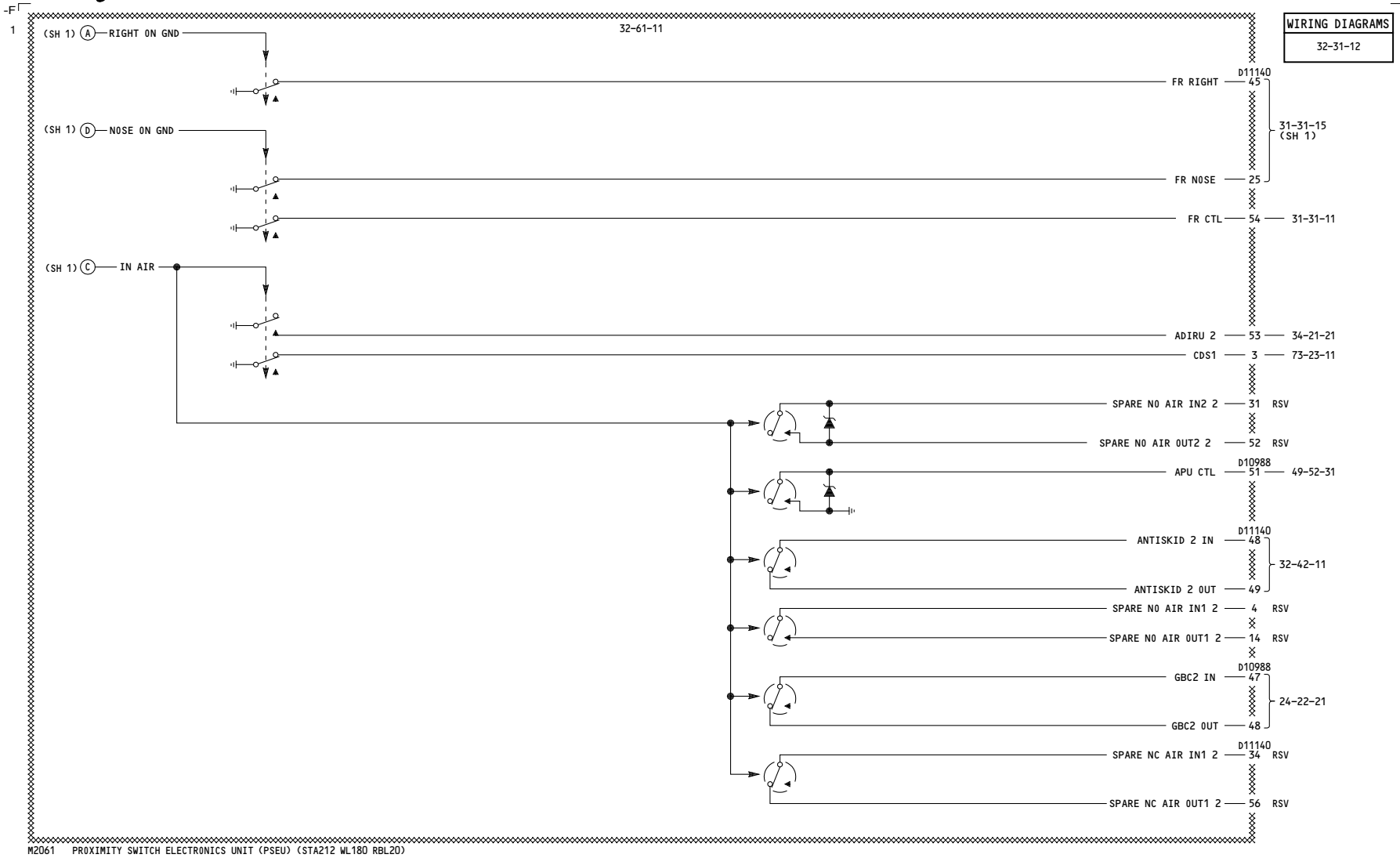
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YC028-YC030

AIR/GND SYSTEM 2 AND NOSE GEAR GROUND SENSING RELAYS

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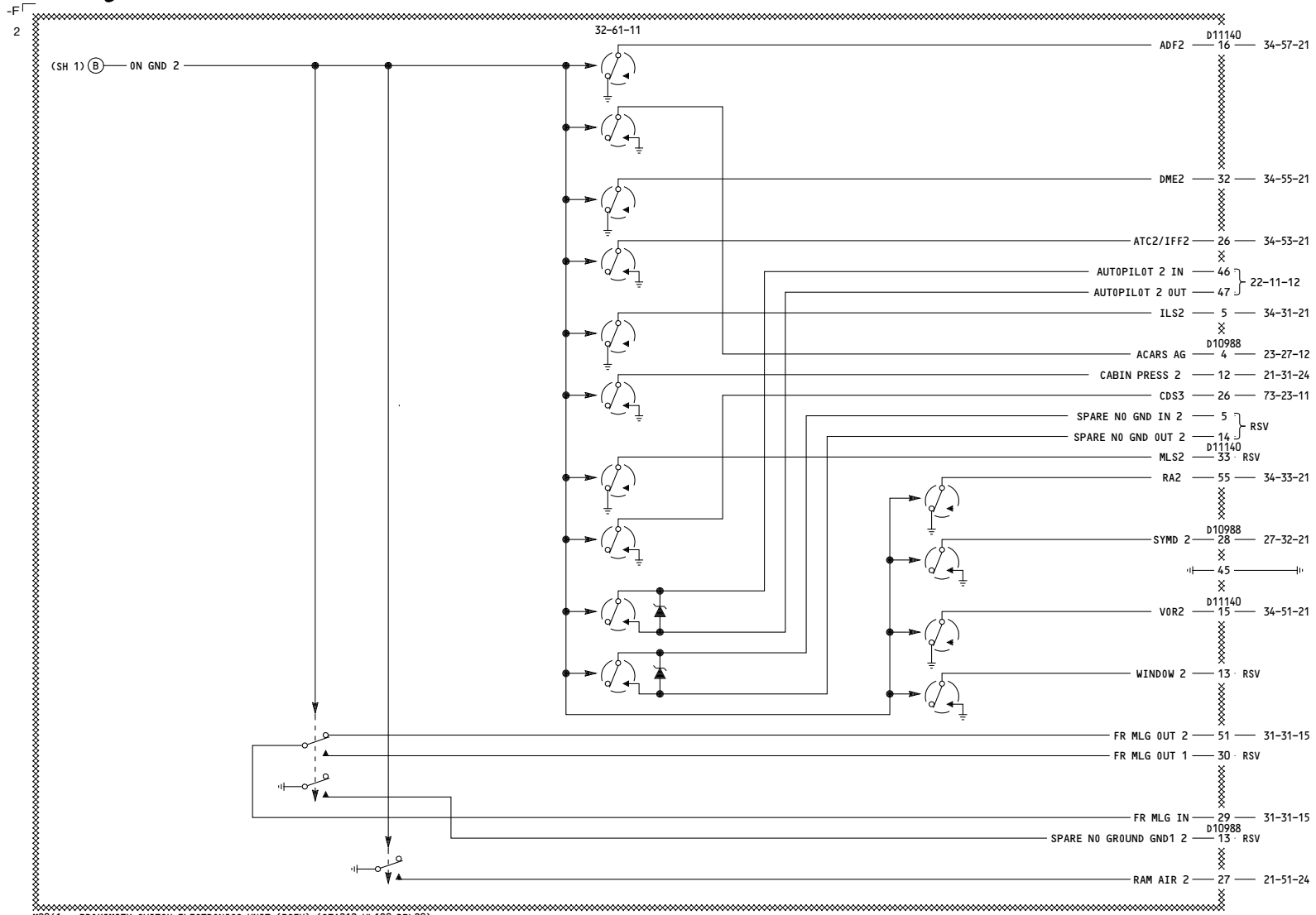


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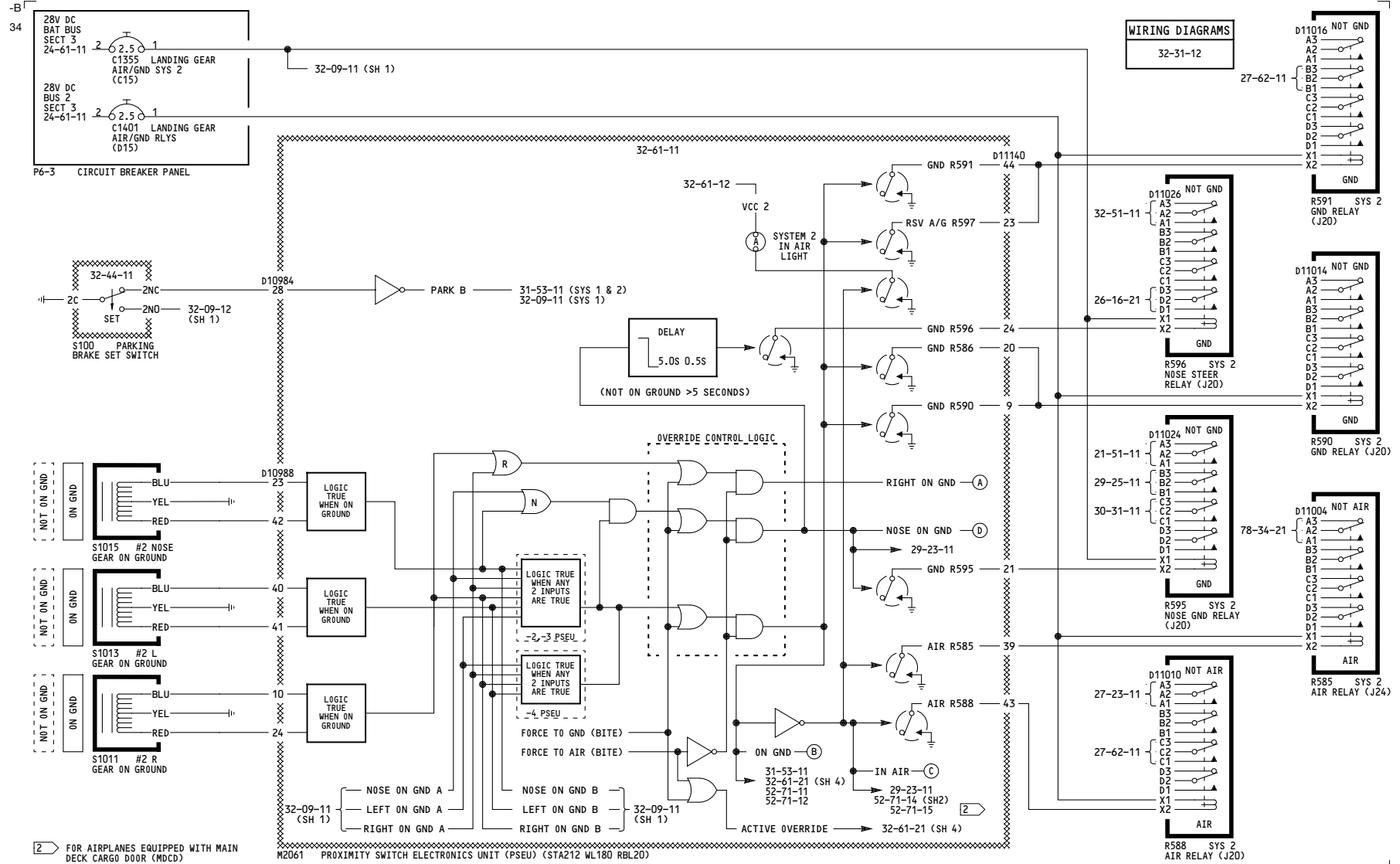
**AIR/GND SYSTEM 2 AND
NOSE GEAR GROUND SENSING
RELAYS**

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② FOR AIRPLANES EQUIPPED WITH MAIN DECK CARGO DOOR (MDCD)

M2061 PROXIMITY SWITCH ELECTRONICS UNIT (PSEU) (STA212 WL180 RBL20)

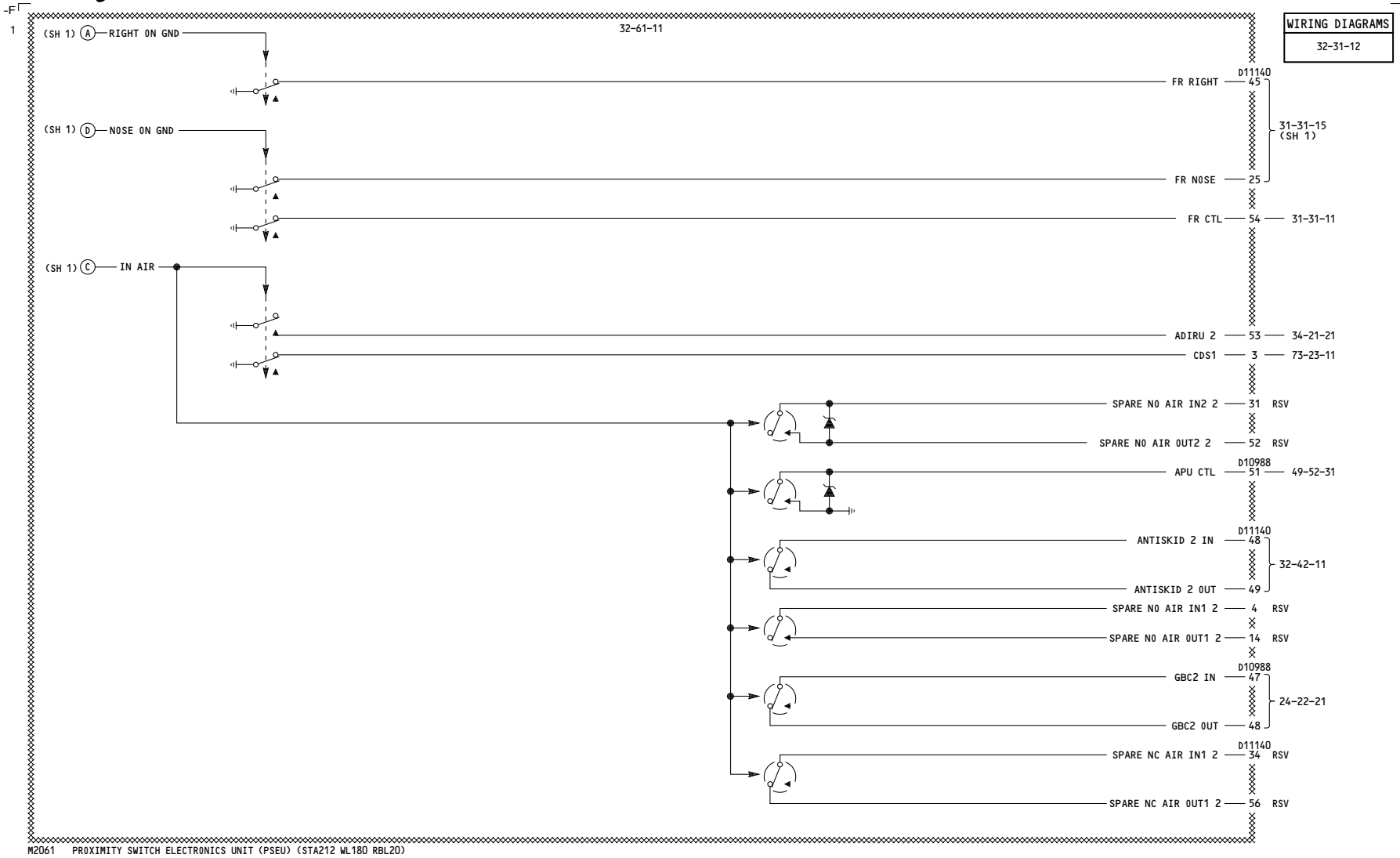
YK901-YK905

AIR/GND SYSTEM 2 AND NOSE GEAR GROUND SENSING RELAYS

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YK901-YK905

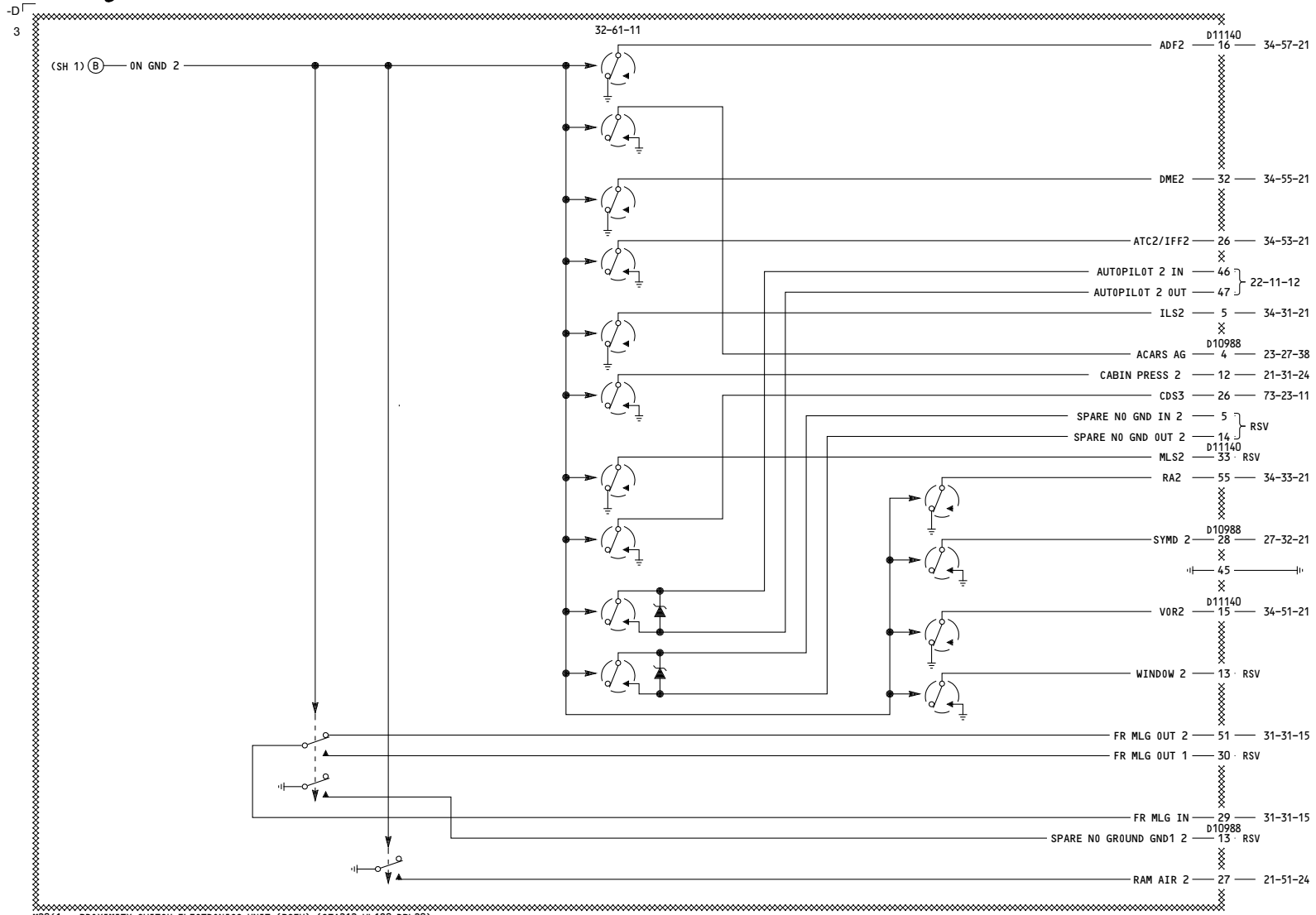
**AIR/GND SYSTEM 2 AND
NOSE GEAR GROUND SENSING
RELAYS**

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Jan 18/2006

WIRING DIAGRAMS
32-31-12



M2061 PROXIMITY SWITCH ELECTRONICS UNIT (PSEU) (STA212 WL180 RBL20)

YK901-YK905

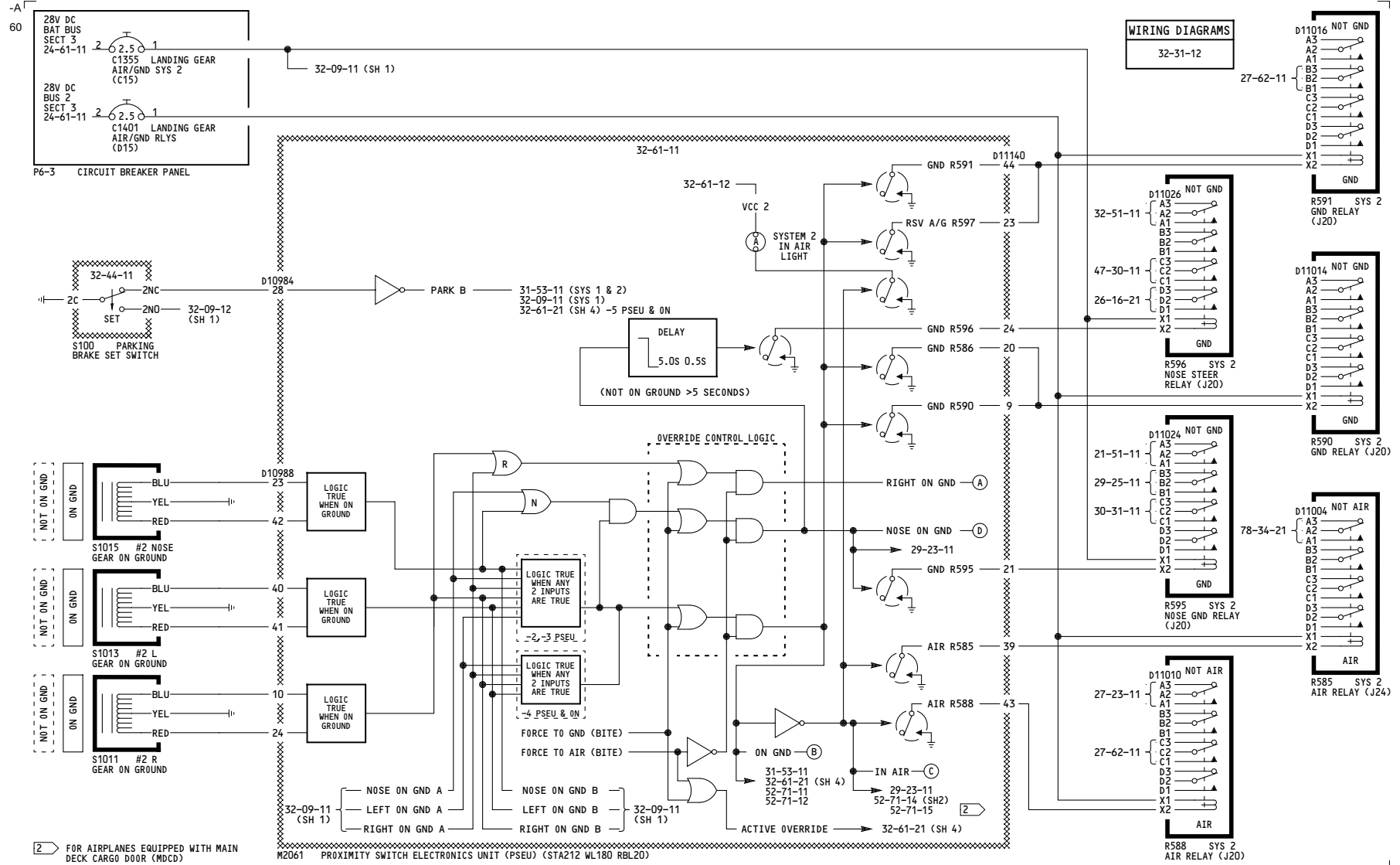
**AIR/GND SYSTEM 2 AND
NOSE GEAR GROUND SENSING
RELAYS**

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Apr 18/2007

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② FOR AIRPLANES EQUIPPED WITH MAIN DECK CARGO DOOR (MDCD)

M2061 PROXIMITY SWITCH ELECTRONICS UNIT (PSEU) (STA212 WL180 RBL20)

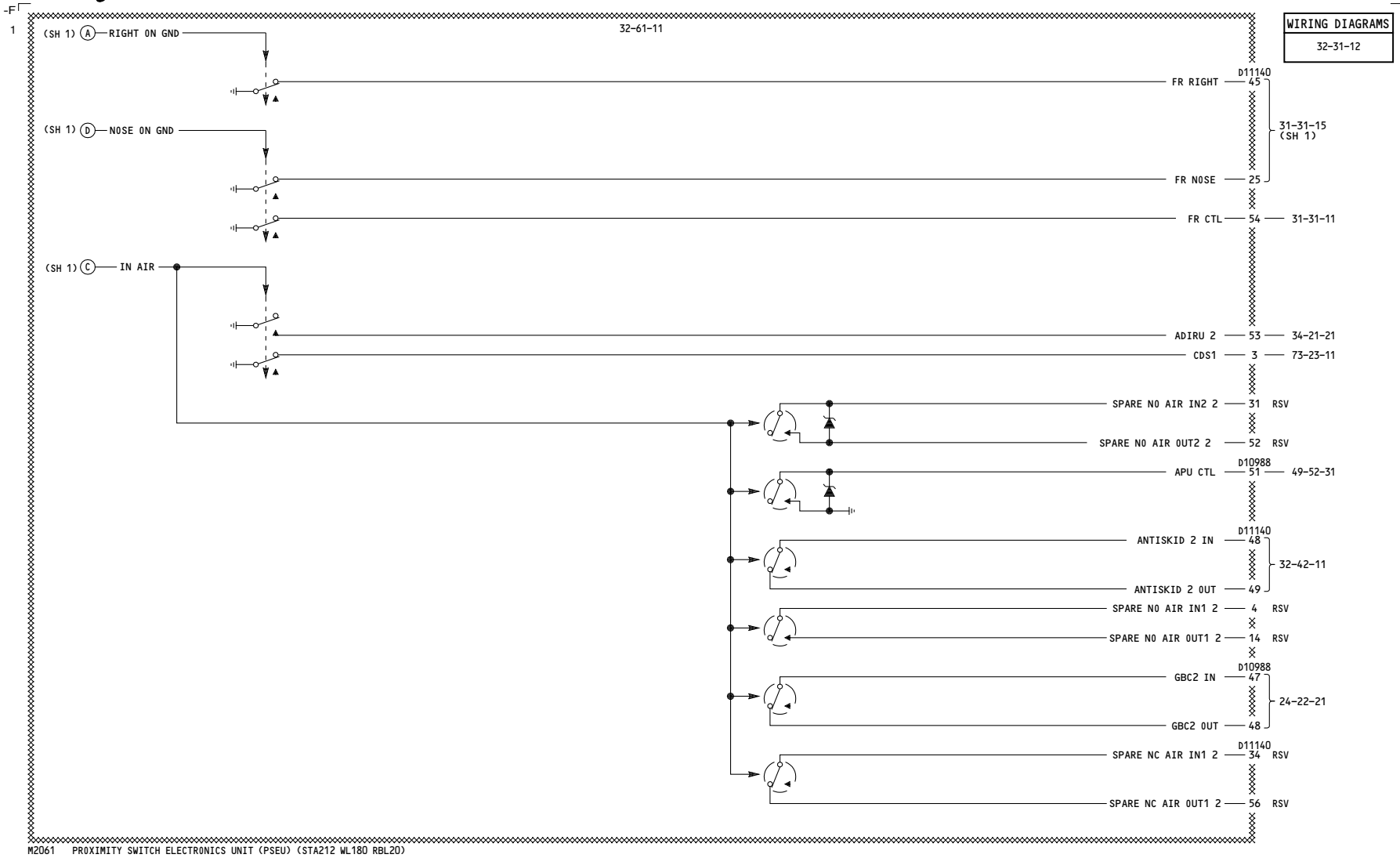
YK906

AIR/GND SYSTEM 2 AND NOSE GEAR GROUND SENSING RELAYS

D280A203

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Jul 17/2007



YK906

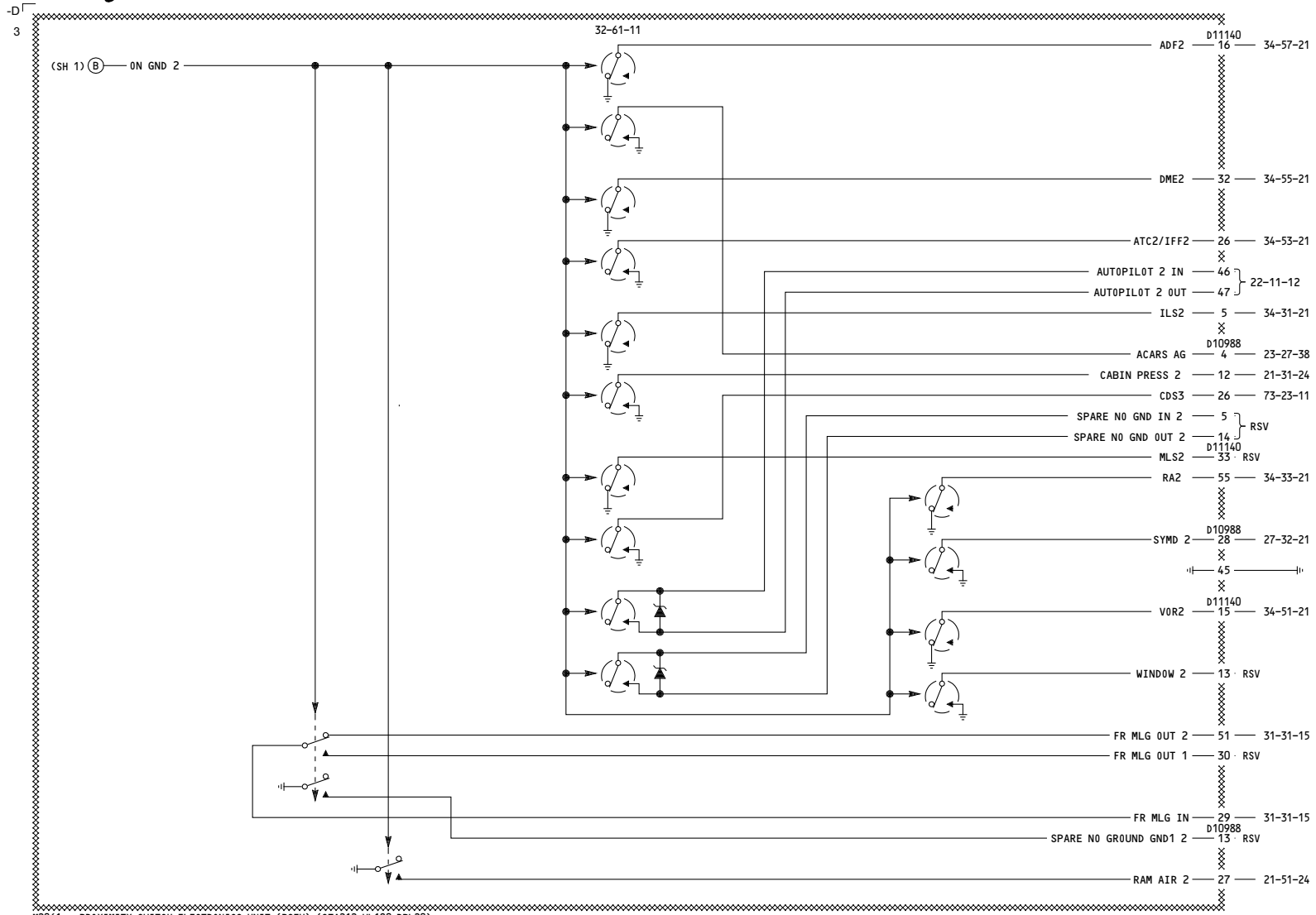
**AIR/GND SYSTEM 2 AND
NOSE GEAR GROUND SENSING
RELAYS**

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32-31-12



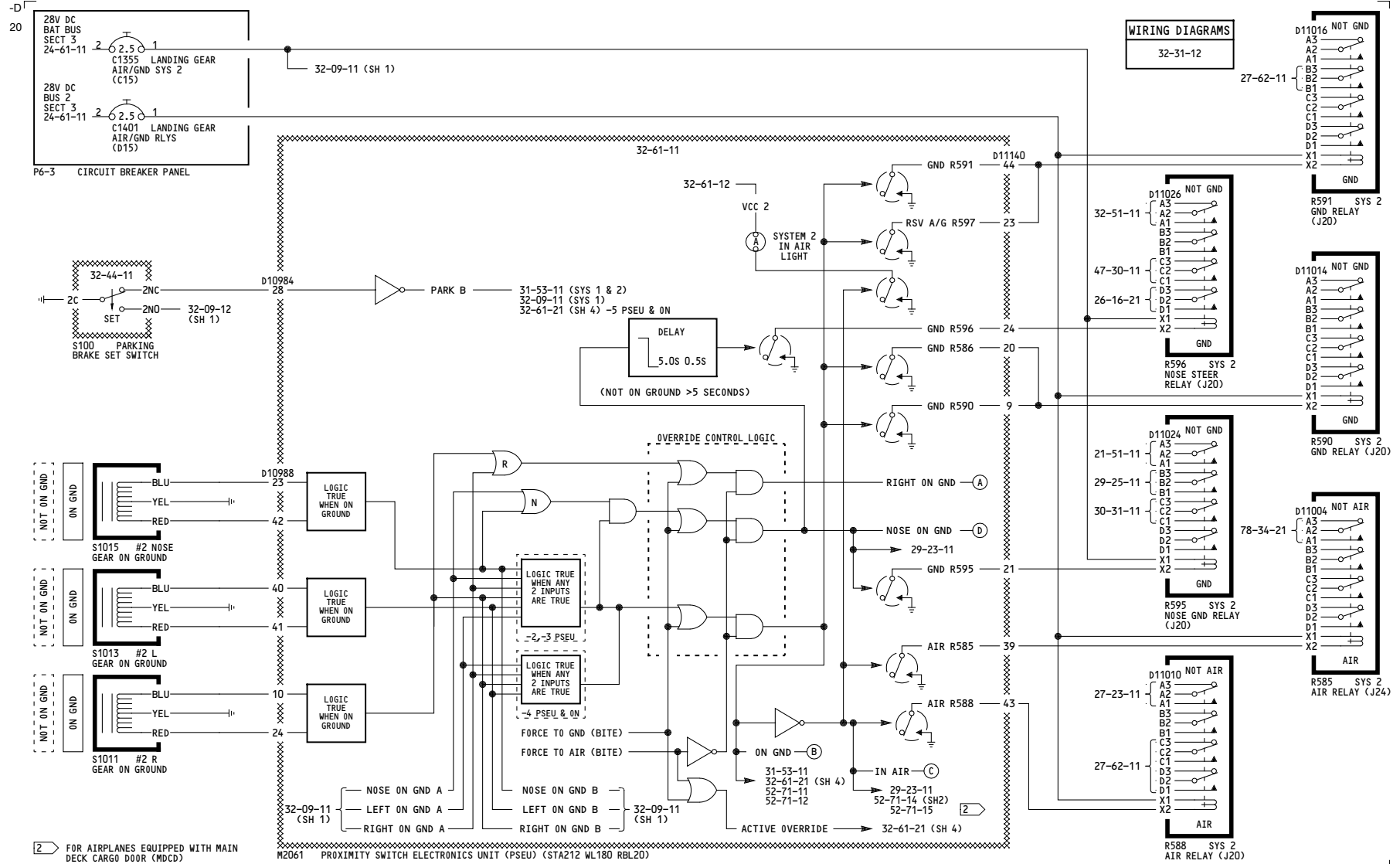
M2061 PROXIMITY SWITCH ELECTRONICS UNIT (PSEU) (STA212 WL180 RBL20)

<p>YK906</p>	<p>AIR/GND SYSTEM 2 AND NOSE GEAR GROUND SENSING RELAYS</p> <p>D280A203</p>
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32-09-12

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Jul 17/2007

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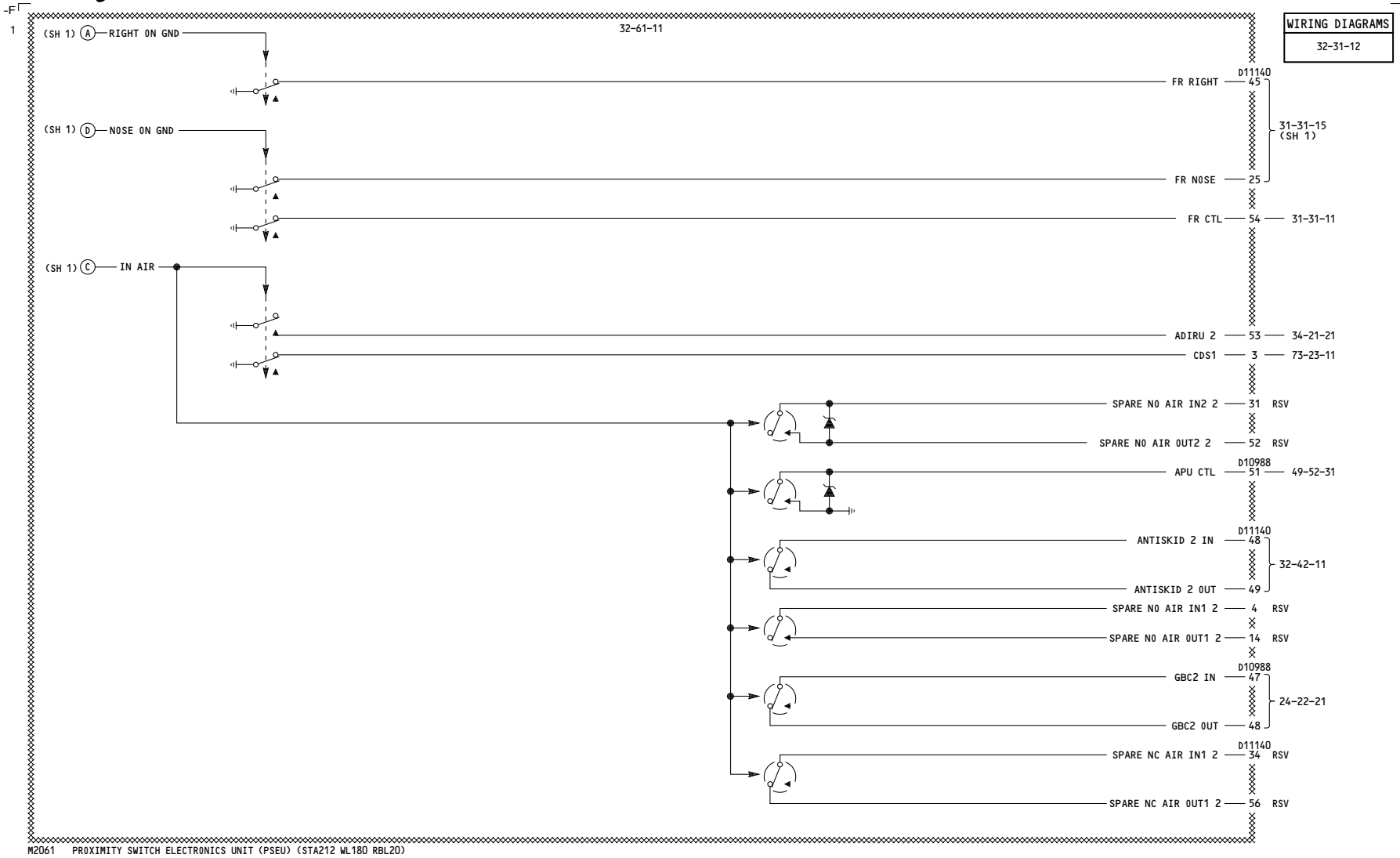
YK907-YK909, YL401-YL429

AIR/GND SYSTEM 2 AND NOSE GEAR GROUND SENSING RELAYS

D280A203

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YK907-YK909, YL401-YL429

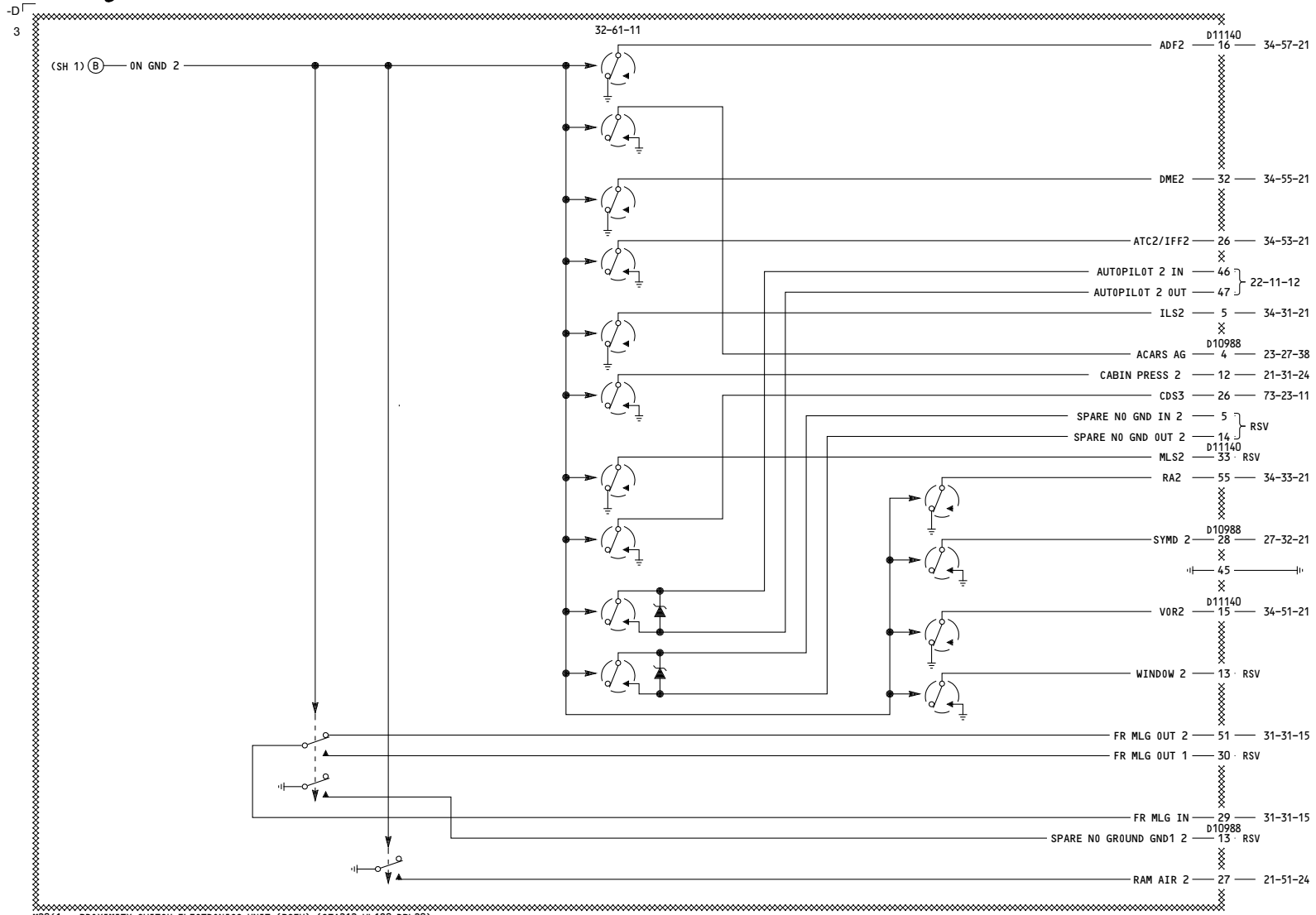
**AIR/GND SYSTEM 2 AND
NOSE GEAR GROUND SENSING
RELAYS**

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32-31-12



M2061 PROXIMITY SWITCH ELECTRONICS UNIT (PSEU) (STA212 WL180 RBL20)

YK907-YK909, YL401-YL429

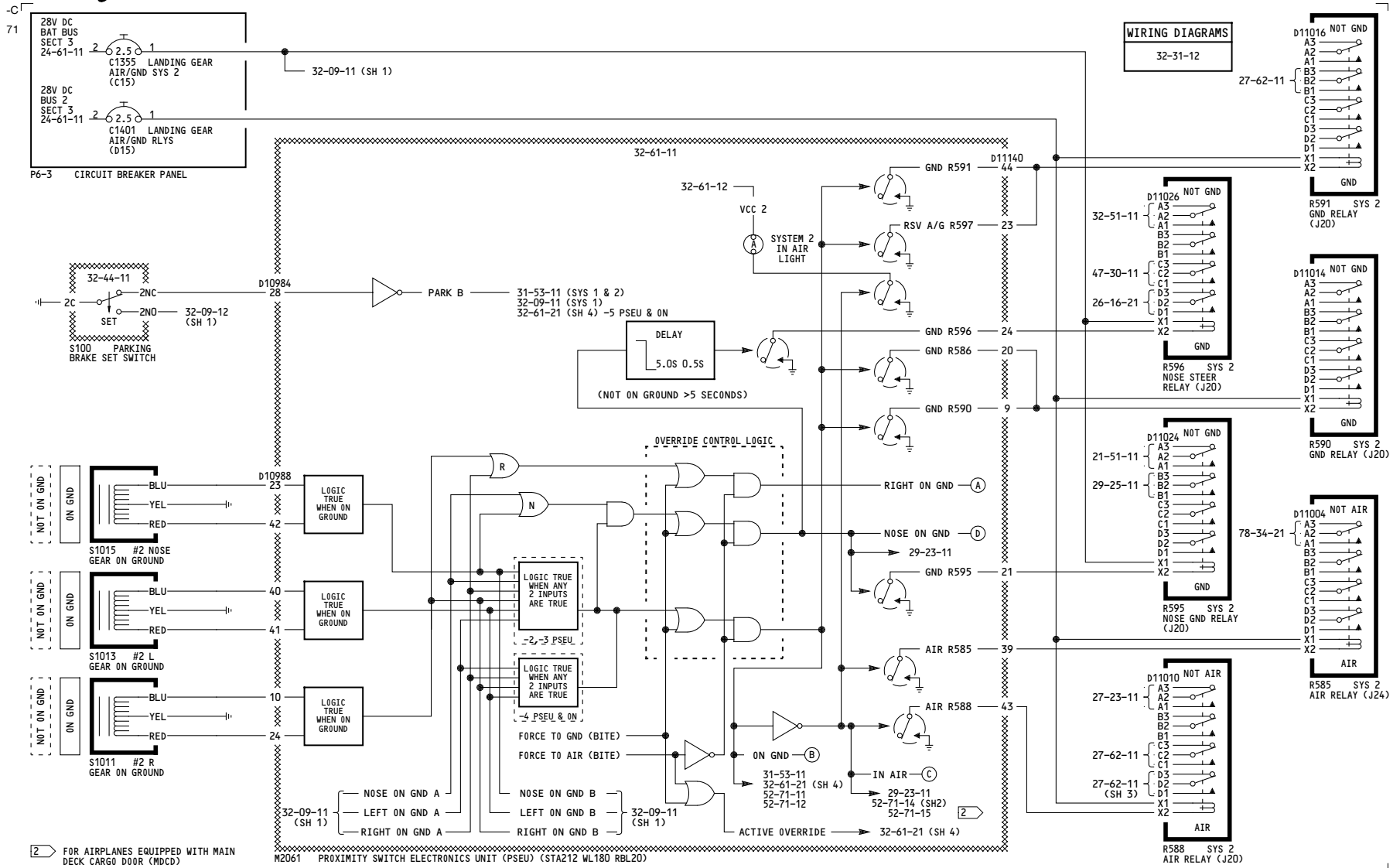
**AIR/GND SYSTEM 2 AND
NOSE GEAR GROUND SENSING
RELAYS**

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② FOR AIRPLANES EQUIPPED WITH MAIN DECK CARGO DOOR (MDCD)

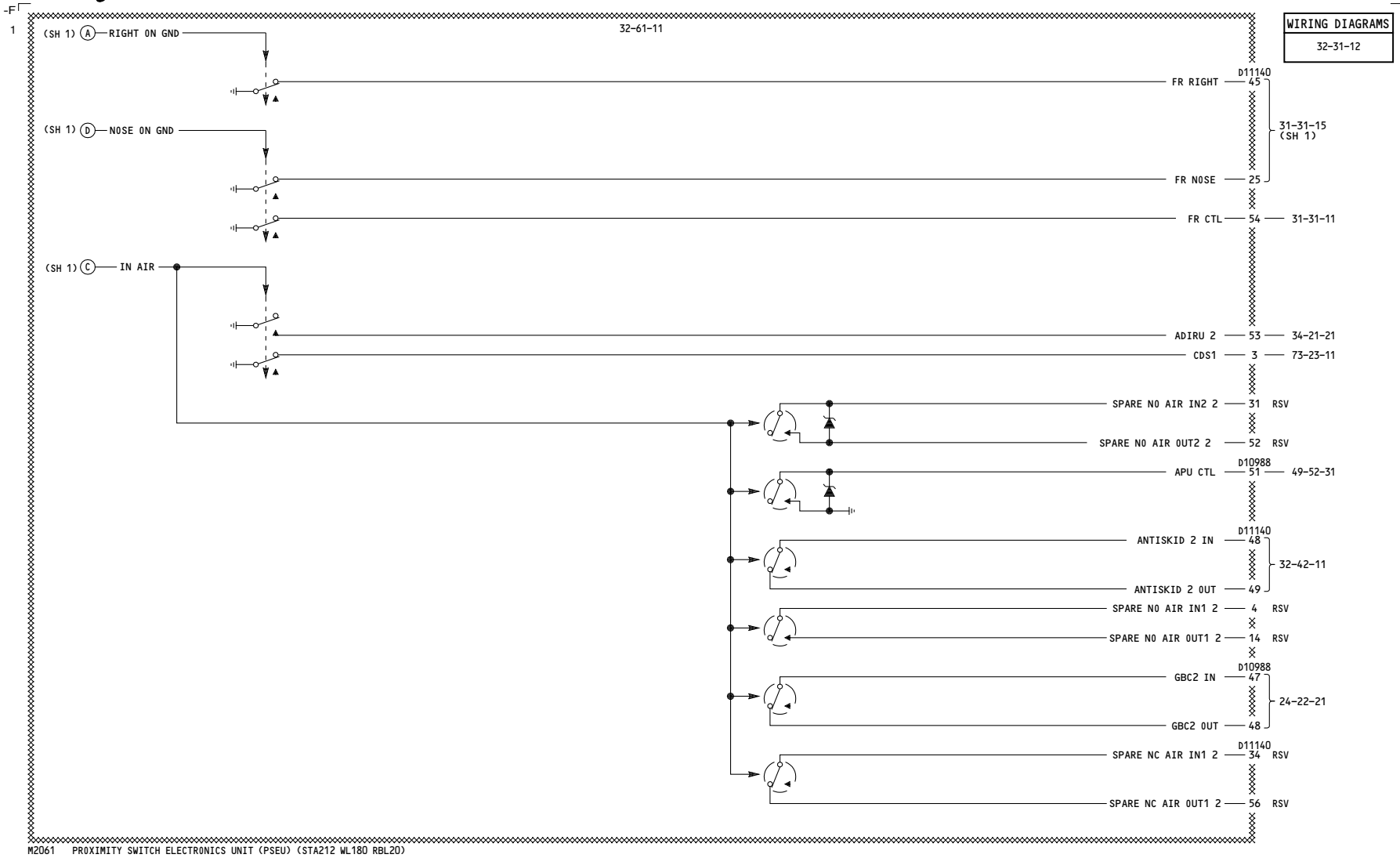
M2061 PROXIMITY SWITCH ELECTRONICS UNIT (PSEU) (STA212 WL180 RBL20)

YK910-YK912, YK918-YK919

AIR/GND SYSTEM 2 AND NOSE GEAR GROUND SENSING RELAYS

D280A203

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YK910-YK912, YK918-YK919

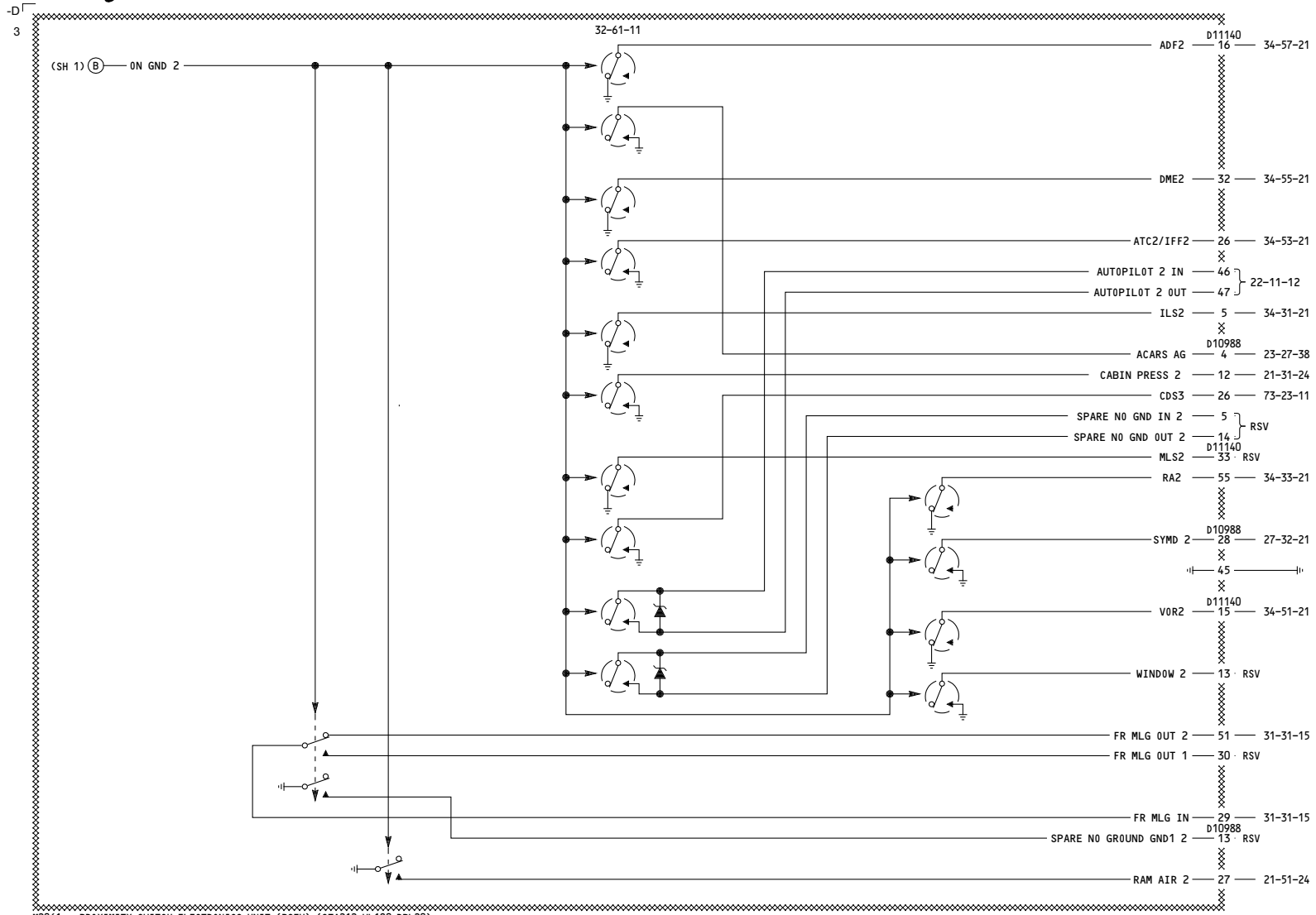
**AIR/GND SYSTEM 2 AND
NOSE GEAR GROUND SENSING
RELAYS**

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WIRING DIAGRAMS
32-31-12



M2061 PROXIMITY SWITCH ELECTRONICS UNIT (PSEU) (STA212 WL180 RBL20)

YK910-YK912, YK918-YK919

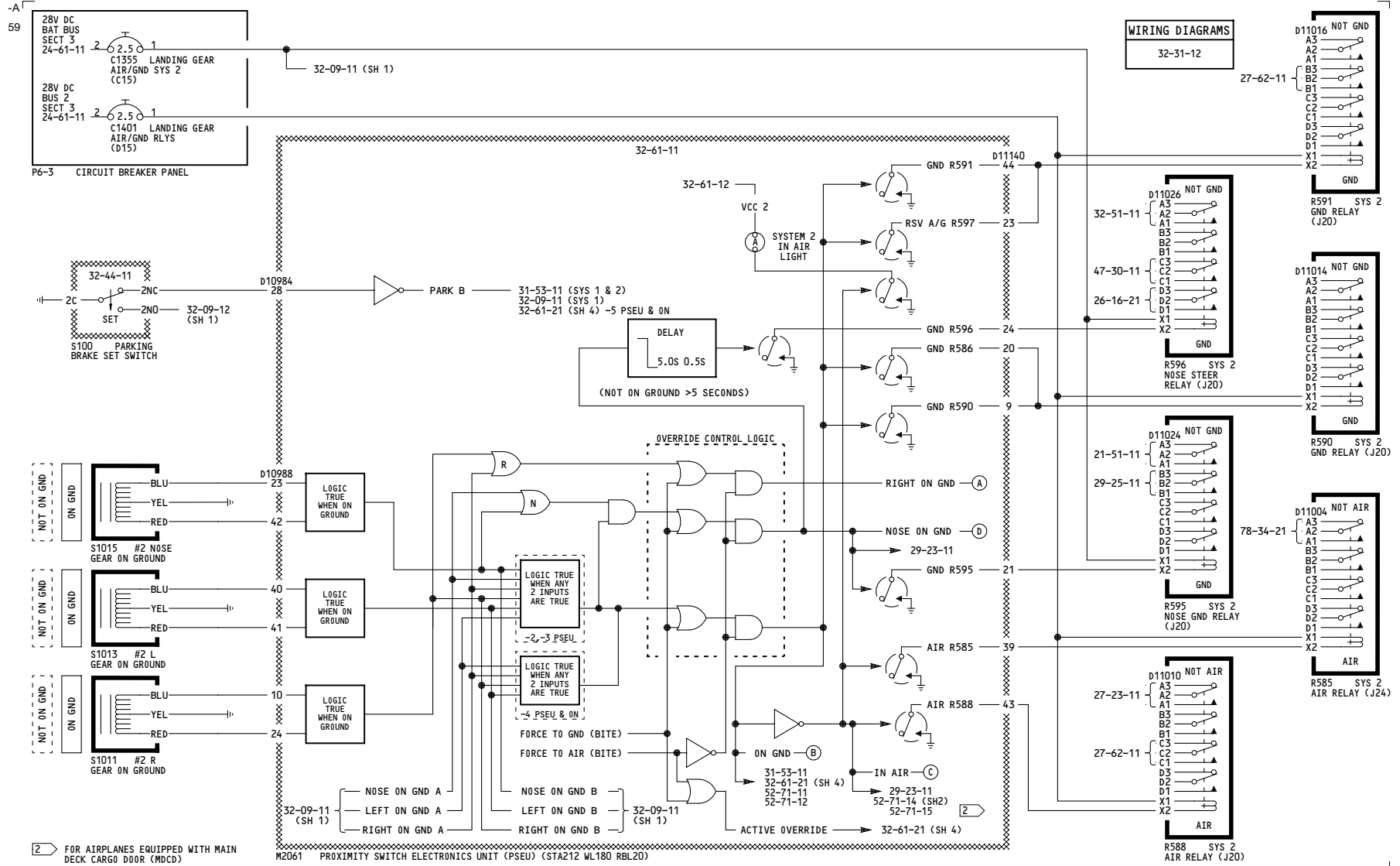
**AIR/GND SYSTEM 2 AND
NOSE GEAR GROUND SENSING
RELAYS**

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② FOR AIRPLANES EQUIPPED WITH MAIN DECK CARGO DOOR (MDCD)

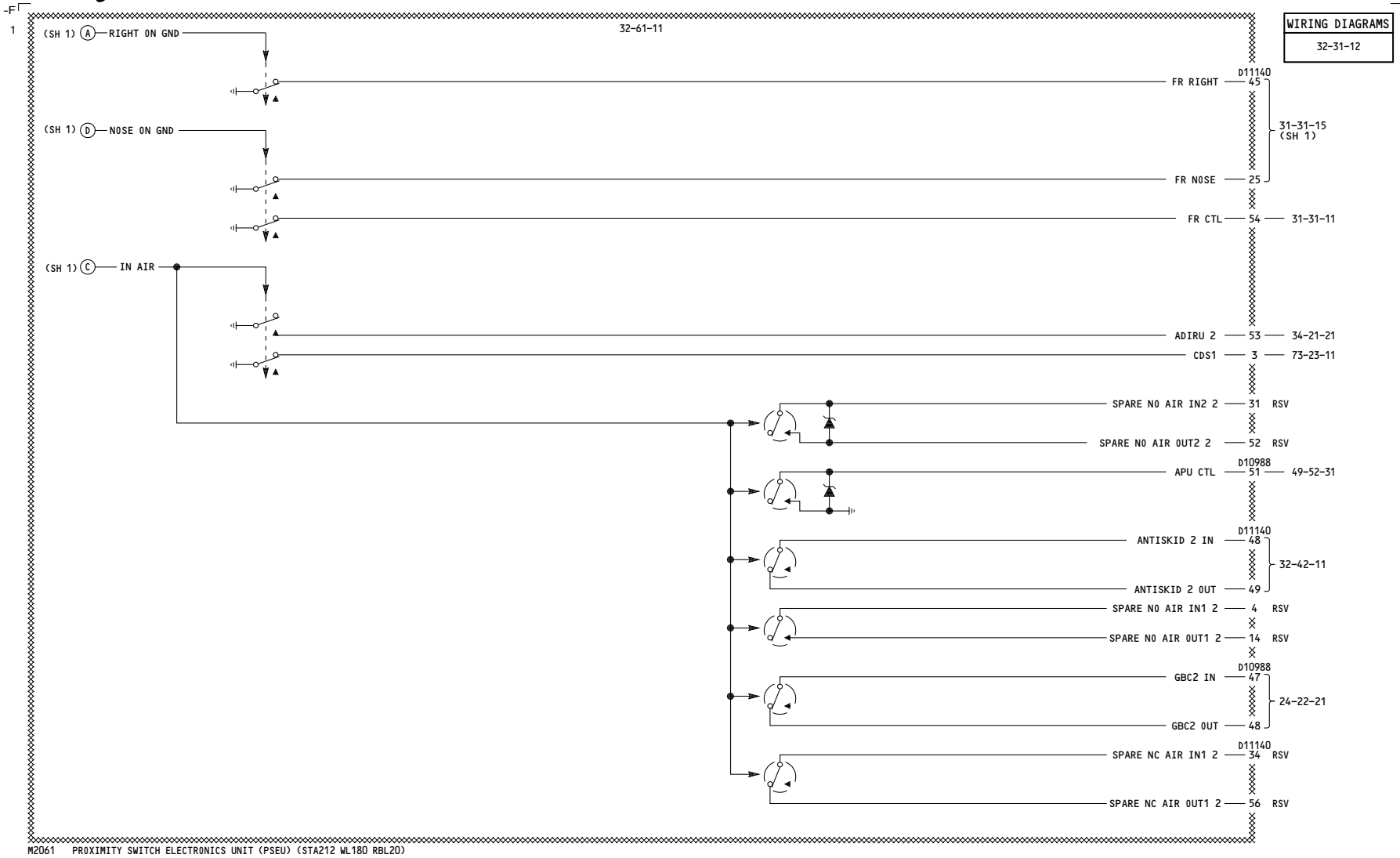
M2061 PROXIMITY SWITCH ELECTRONICS UNIT (PSEU) (STA212 WL180 RBL20)

YM643-YM652

AIR/GND SYSTEM 2 AND NOSE GEAR GROUND SENSING RELAYS

D280A203

32-09-12



YM643-YM652

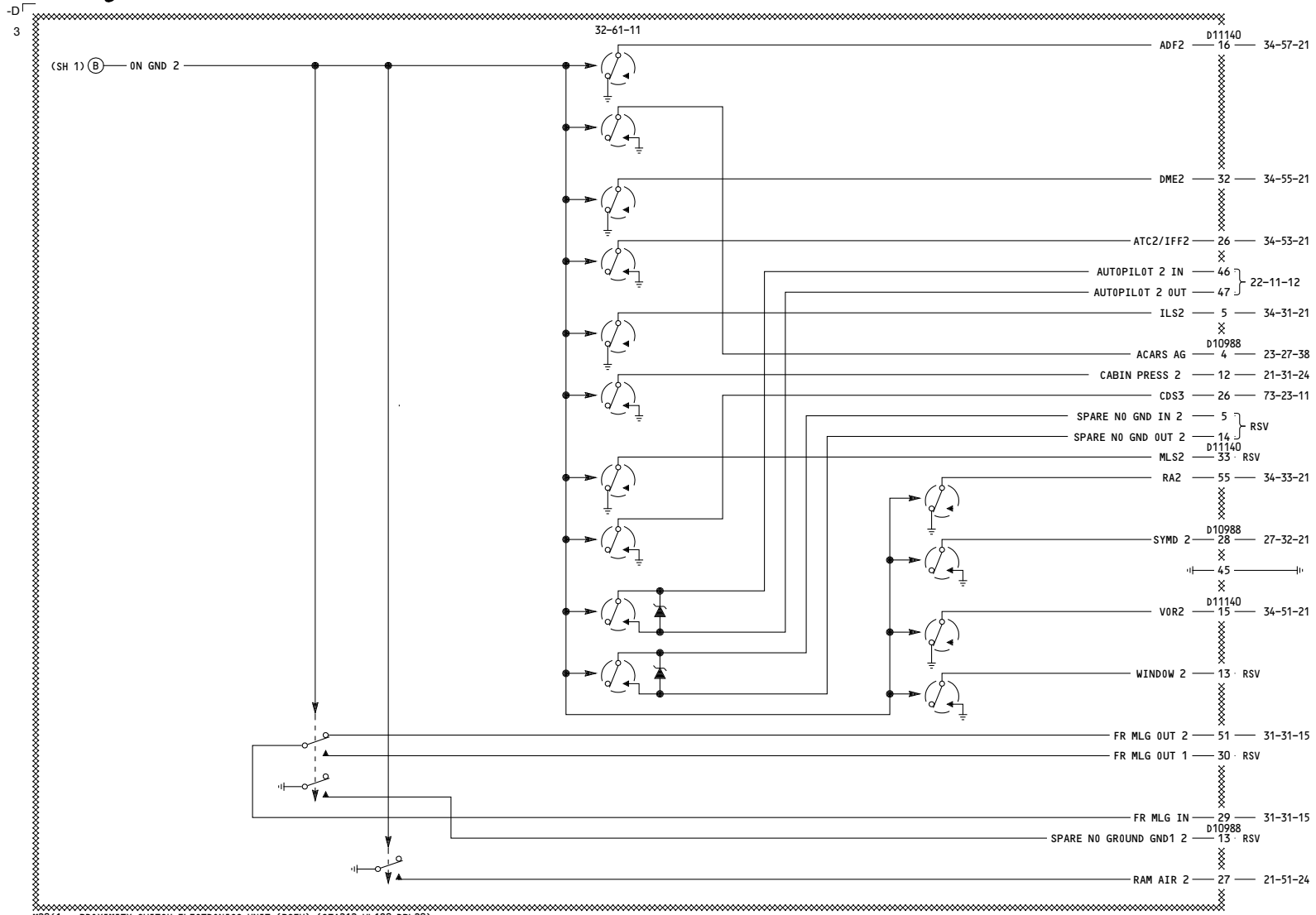
**AIR/GND SYSTEM 2 AND
NOSE GEAR GROUND SENSING
RELAYS**

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M2061 PROXIMITY SWITCH ELECTRONICS UNIT (PSEU) (STA212 WL180 RBL20)

YM643-YM652

**AIR/GND SYSTEM 2 AND
NOSE GEAR GROUND SENSING
RELAYS**

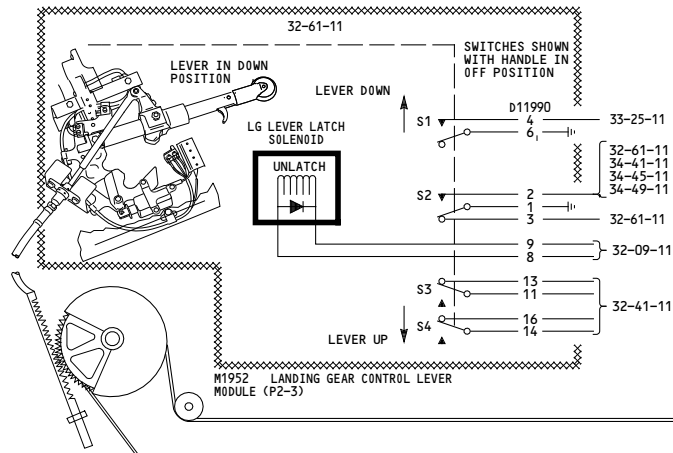
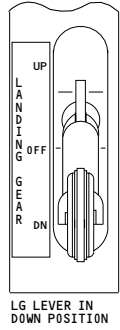
D280A203

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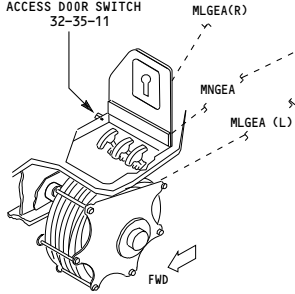
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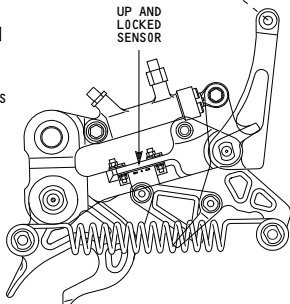


RIGHT MAIN GEAR MANUAL EXTENSION CONTROLS AND UPLOCK HOOK SIMILAR BUT OPPOSITE TO LEFT MAIN GEAR (SEE DETAIL 1)

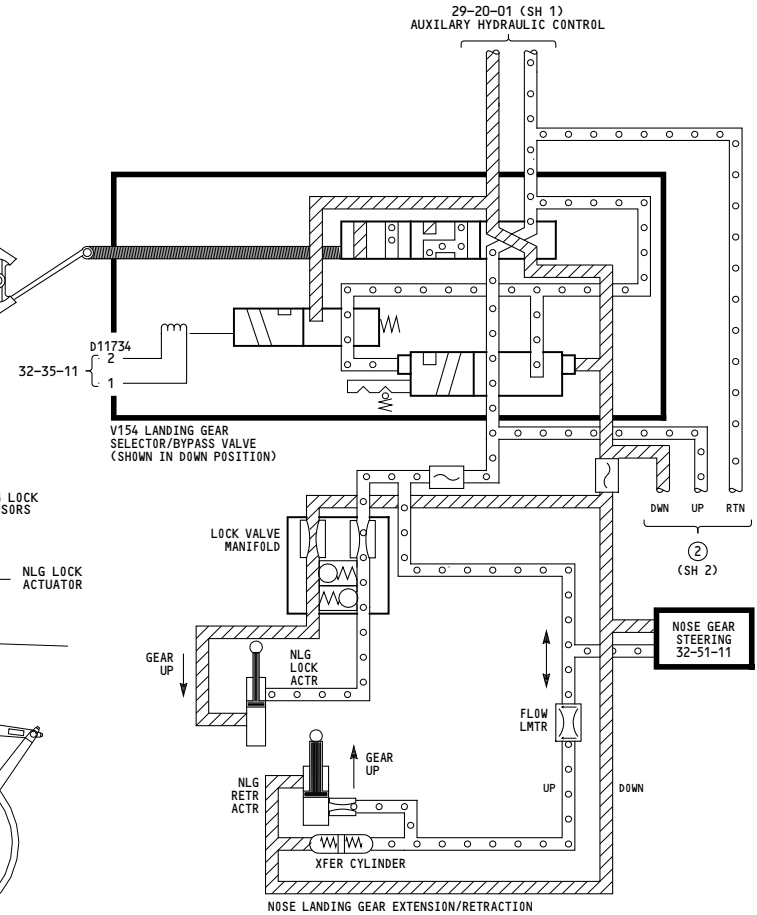
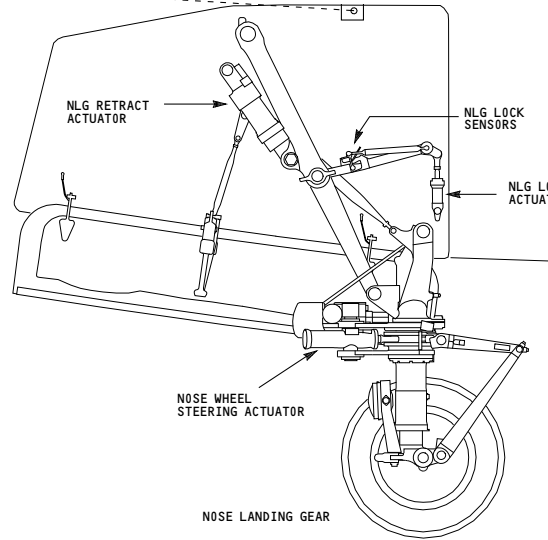
MANUAL EXTENSION ACCESS DOOR SWITCH 32-35-11



MANUAL EXTENSION HANDLES (COCKPIT FLOOR)



MAIN LANDING GEAR UPLOCK ASSEMBLY



/// PRESSURE
○ ○ ○ RETURN

ALL

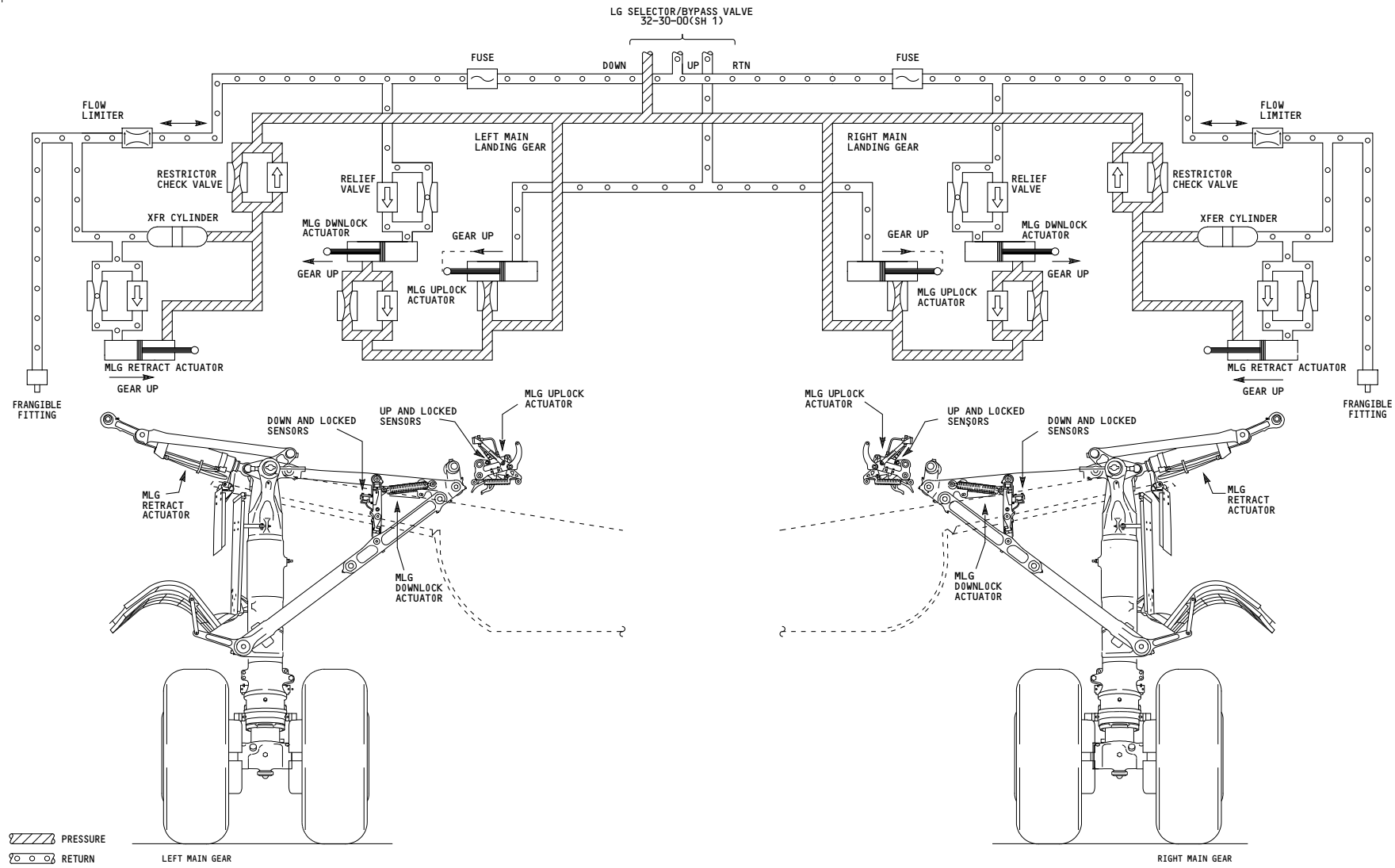
LANDING GEAR EXTENSION AND RETRACTION

D280A203

32-30-00

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Sheet 1
Feb 09/2009

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1

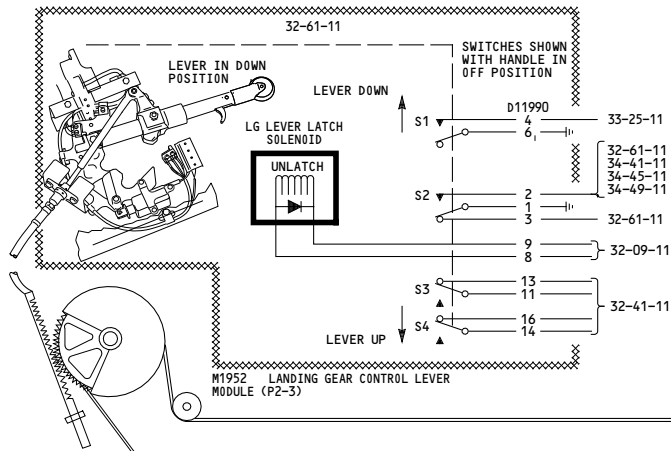
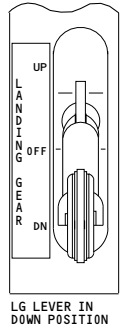


ALL	<p>LANDING GEAR EXTENSION AND RETRACTION</p> <p>D280A203</p>
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32-30-00

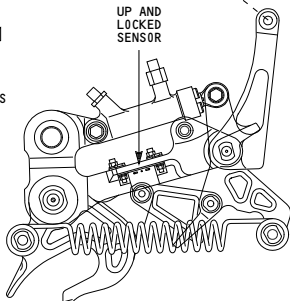
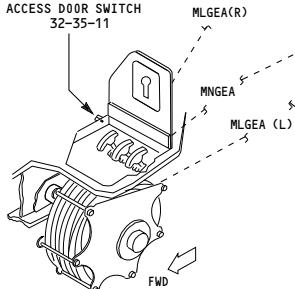
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2



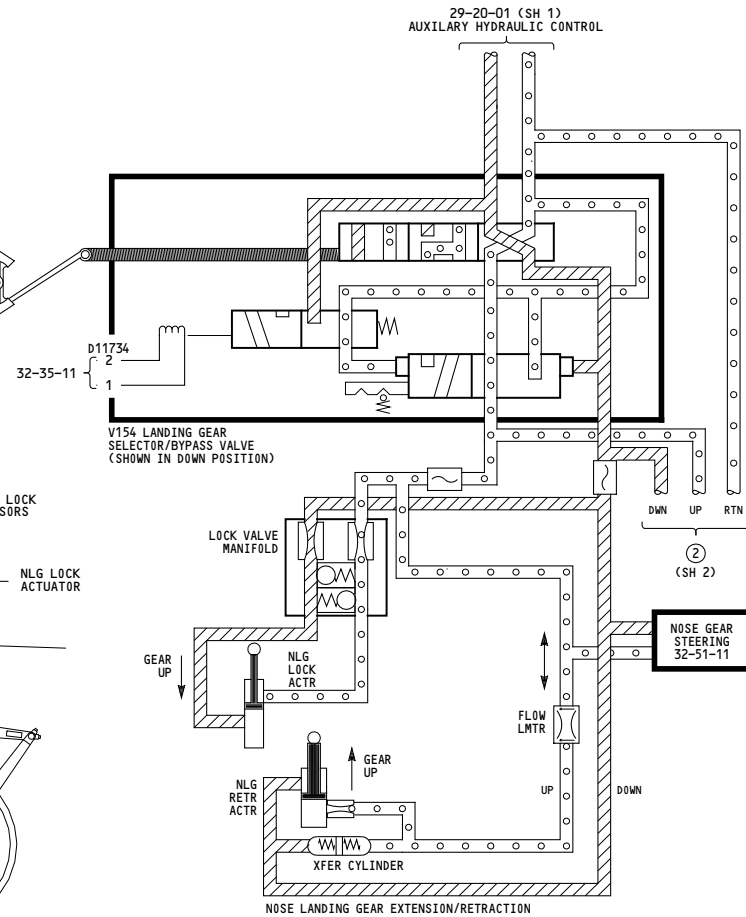
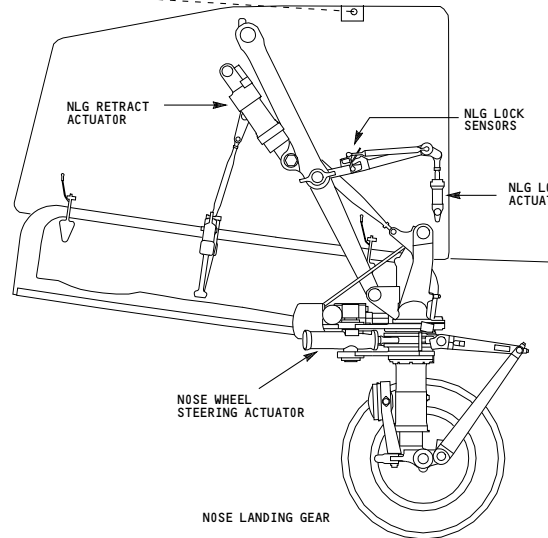
RIGHT MAIN GEAR MANUAL EXTENSION CONTROLS AND UPLOCK HOOK SIMILAR BUT OPPOSITE TO LEFT MAIN GEAR (SEE DETAIL 1)

MANUAL EXTENSION ACCESS DOOR SWITCH 32-35-11



PRESSURE

RETURN



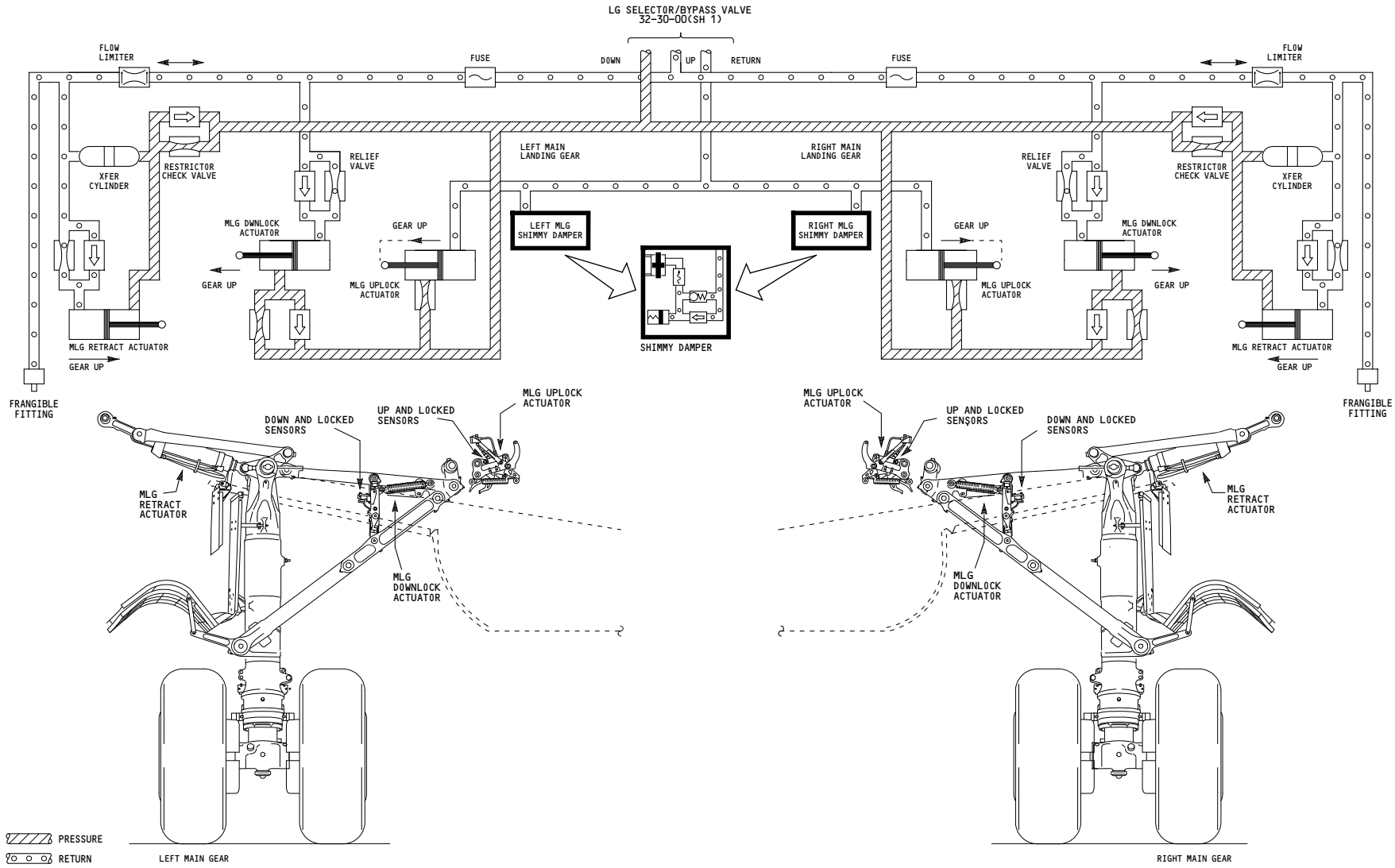
YC001-YC013

LANDING GEAR EXTENSION AND RETRACTION

D280A203

32-30-00

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Mar 31/2005



YC001-YC013

LANDING GEAR EXTENSION AND RETRACTION

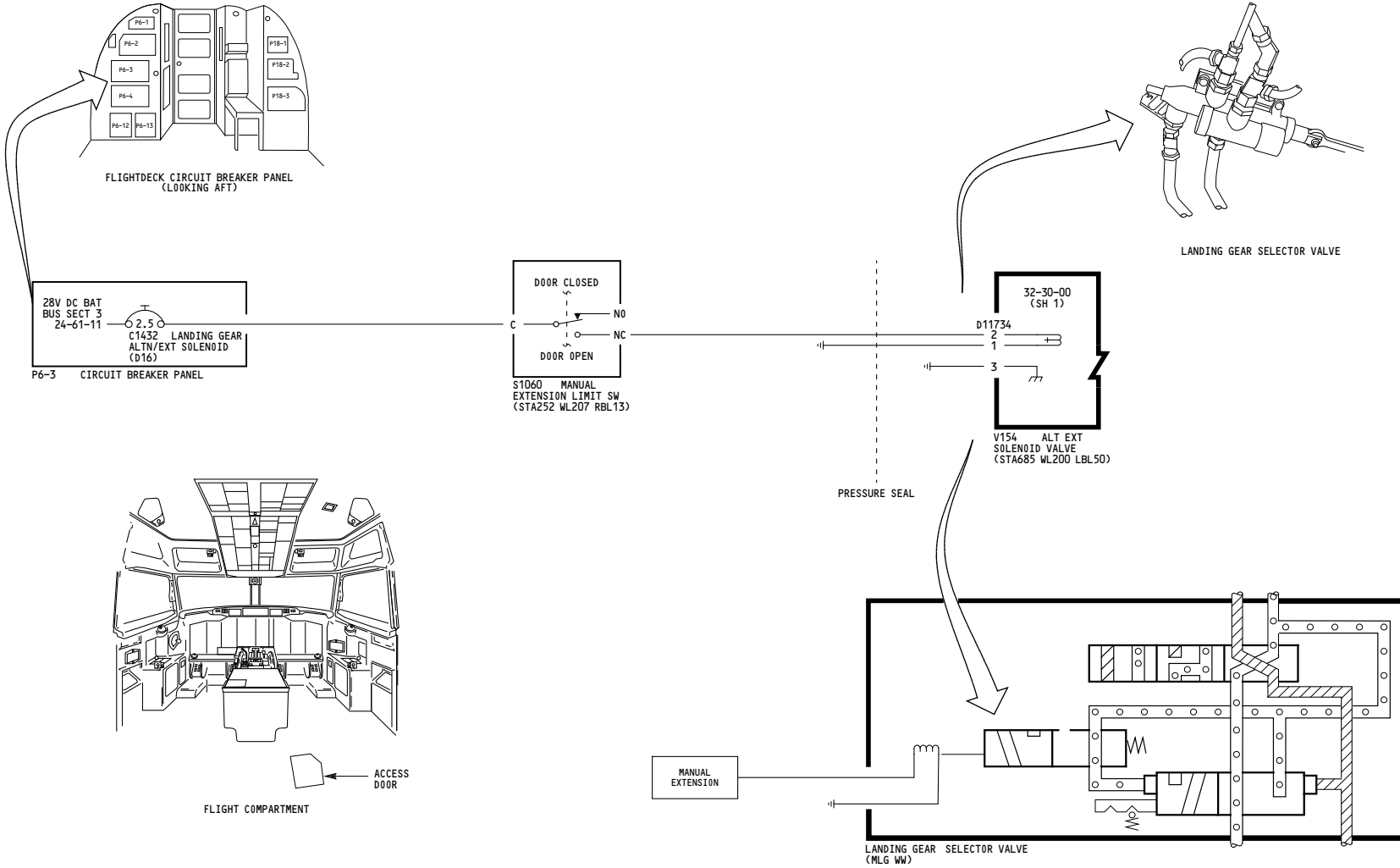
Incorporates
32-1312 R03

D280A203

32-30-00

Page 101.1
Sheet 2
Mar 31/2005

1



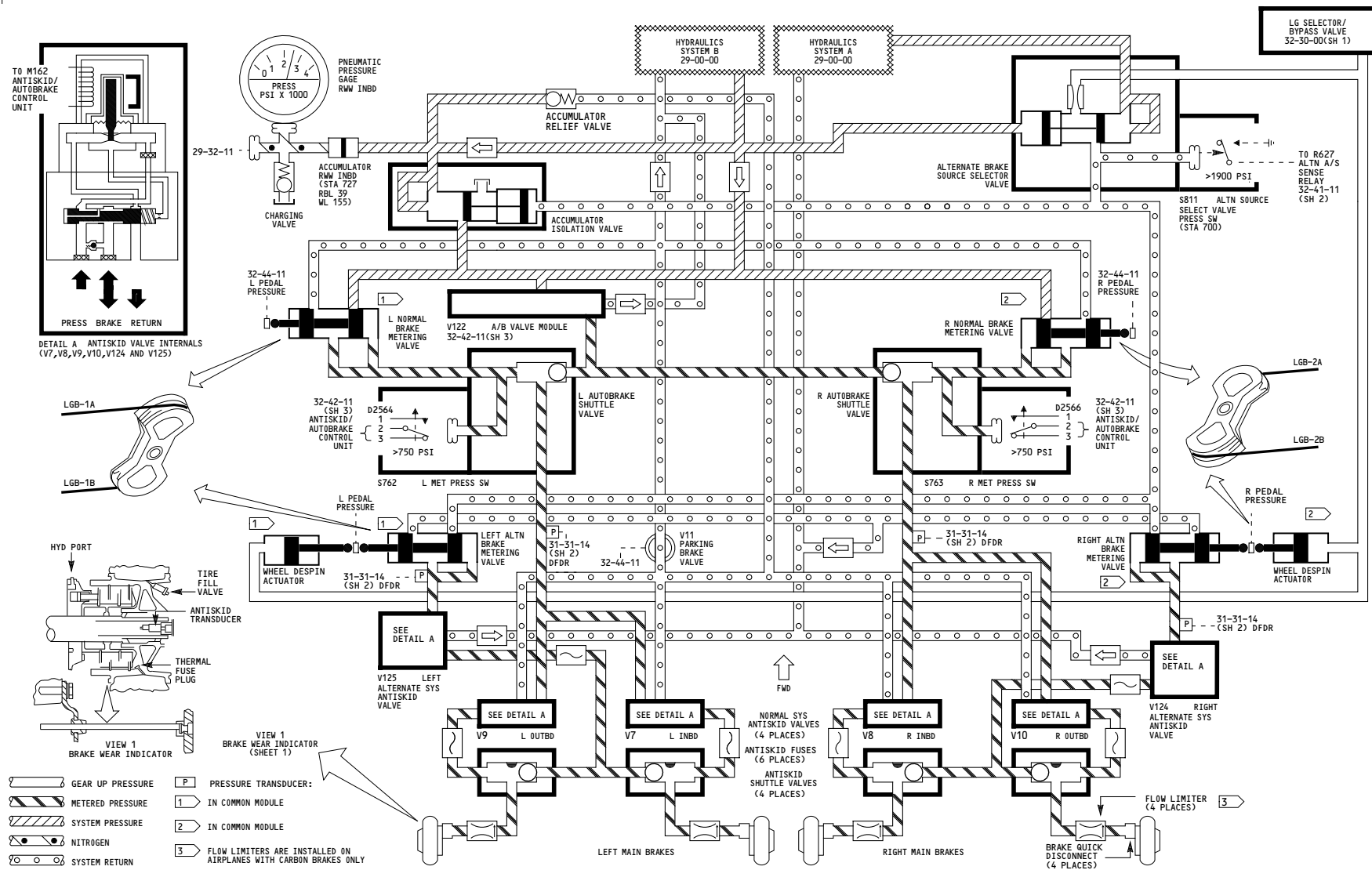
ALL	<p>ALTERNATE LANDING GEAR EXTENSION SYSTEM</p> <p>D280A203</p>
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32-35-11

Page 101

Feb 09/2009

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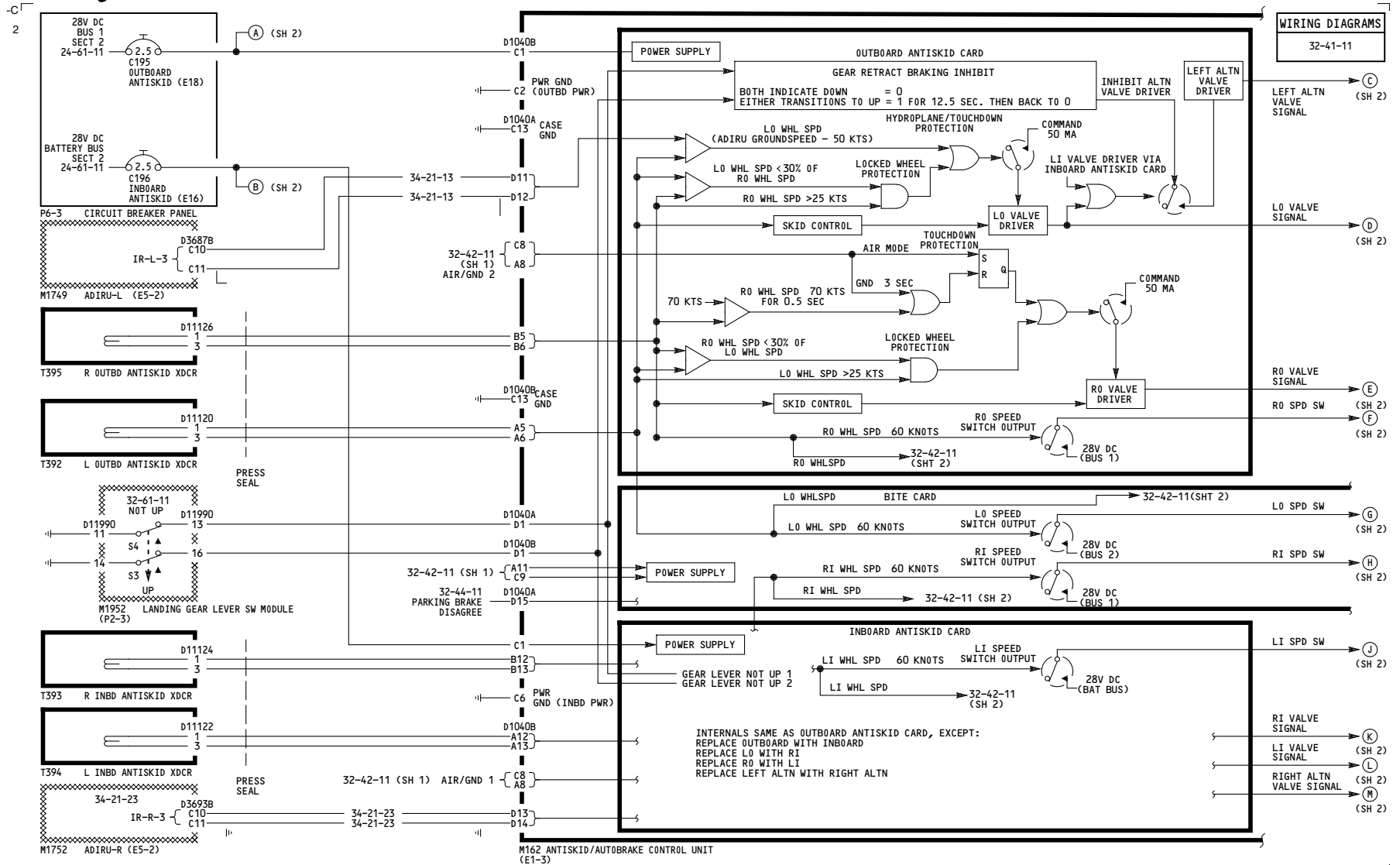


ALL	BRAKE SYSTEM
	D280A203

32-40-00

Page 101

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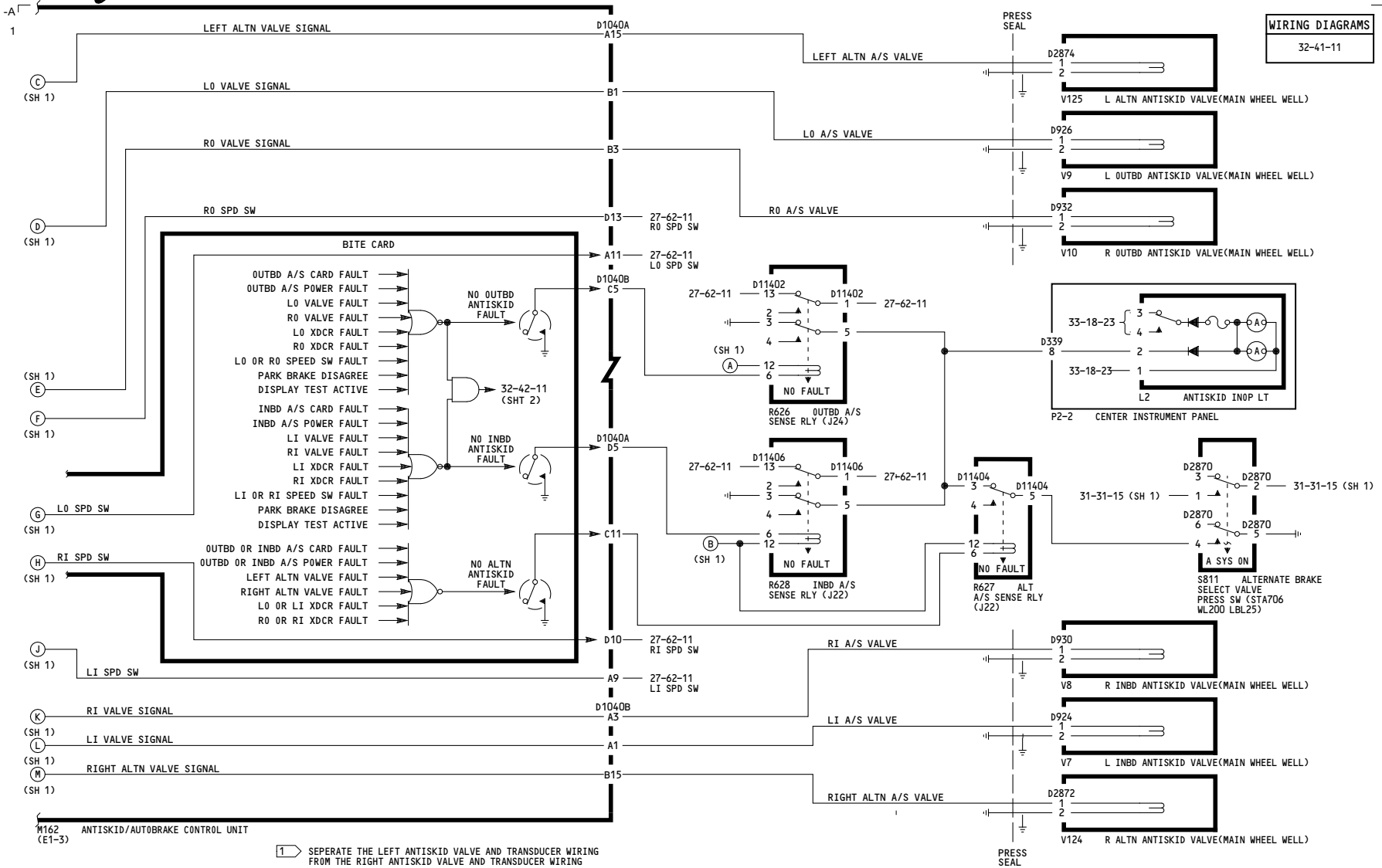
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ANTISKID SYSTEM

D280A203

32-41-11

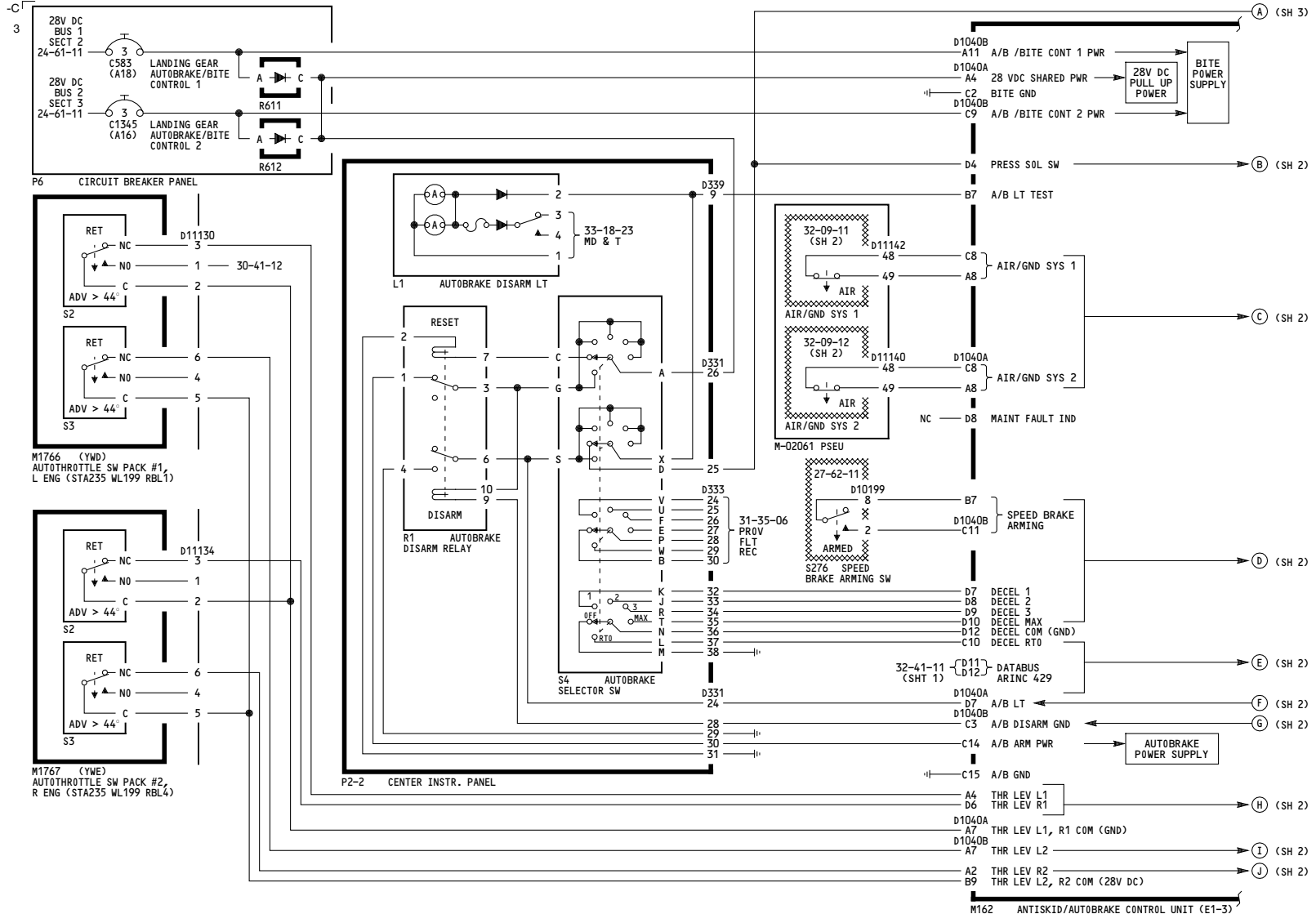
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ALL	ANTISKID SYSTEM
	D280A203

32-41-11

WIRING DIAGRAMS
32-42-11



YC001-YC007

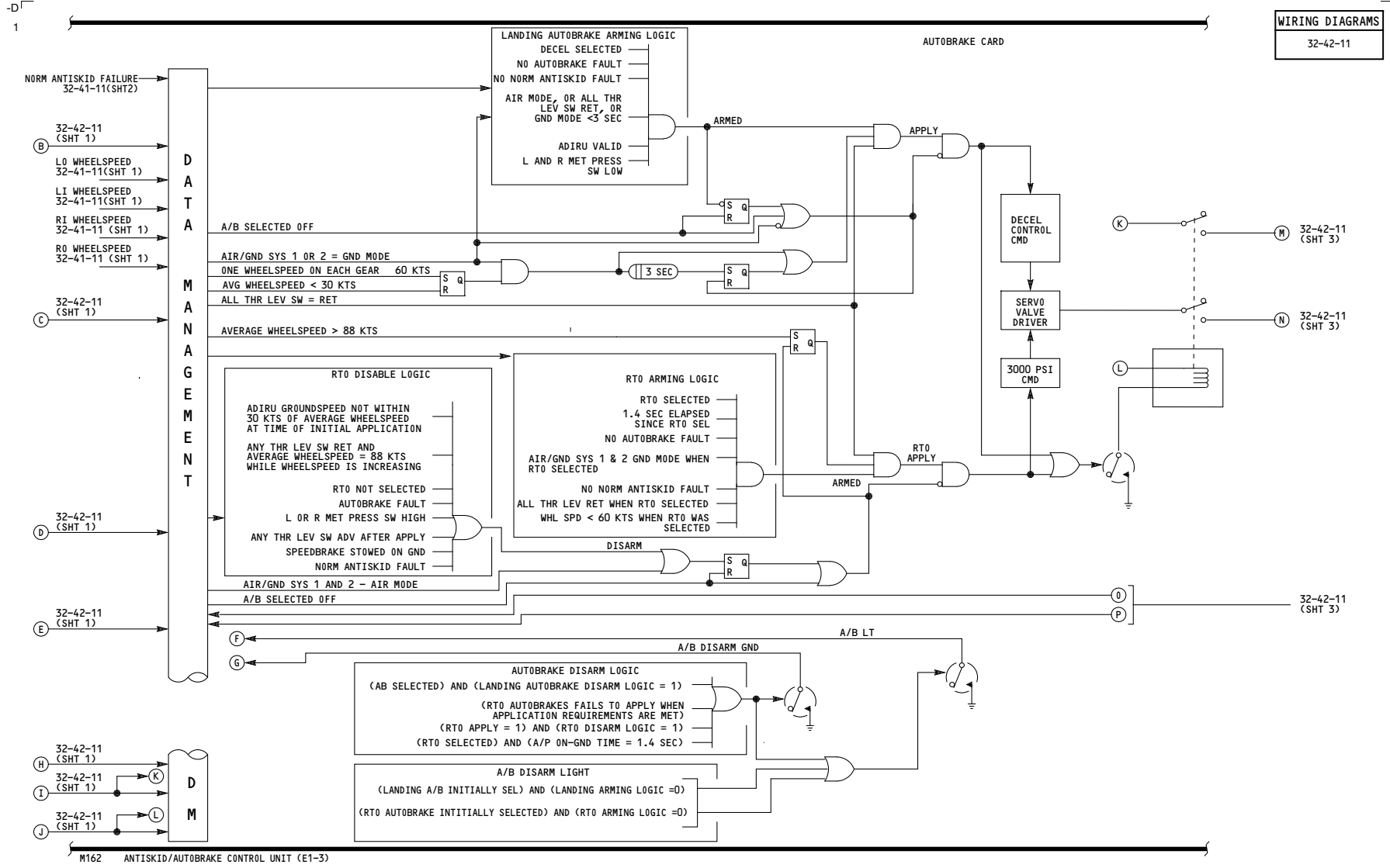
AUTOBRAKE SYSTEM

Incorporates
30-1047

D280A203

32-42-11

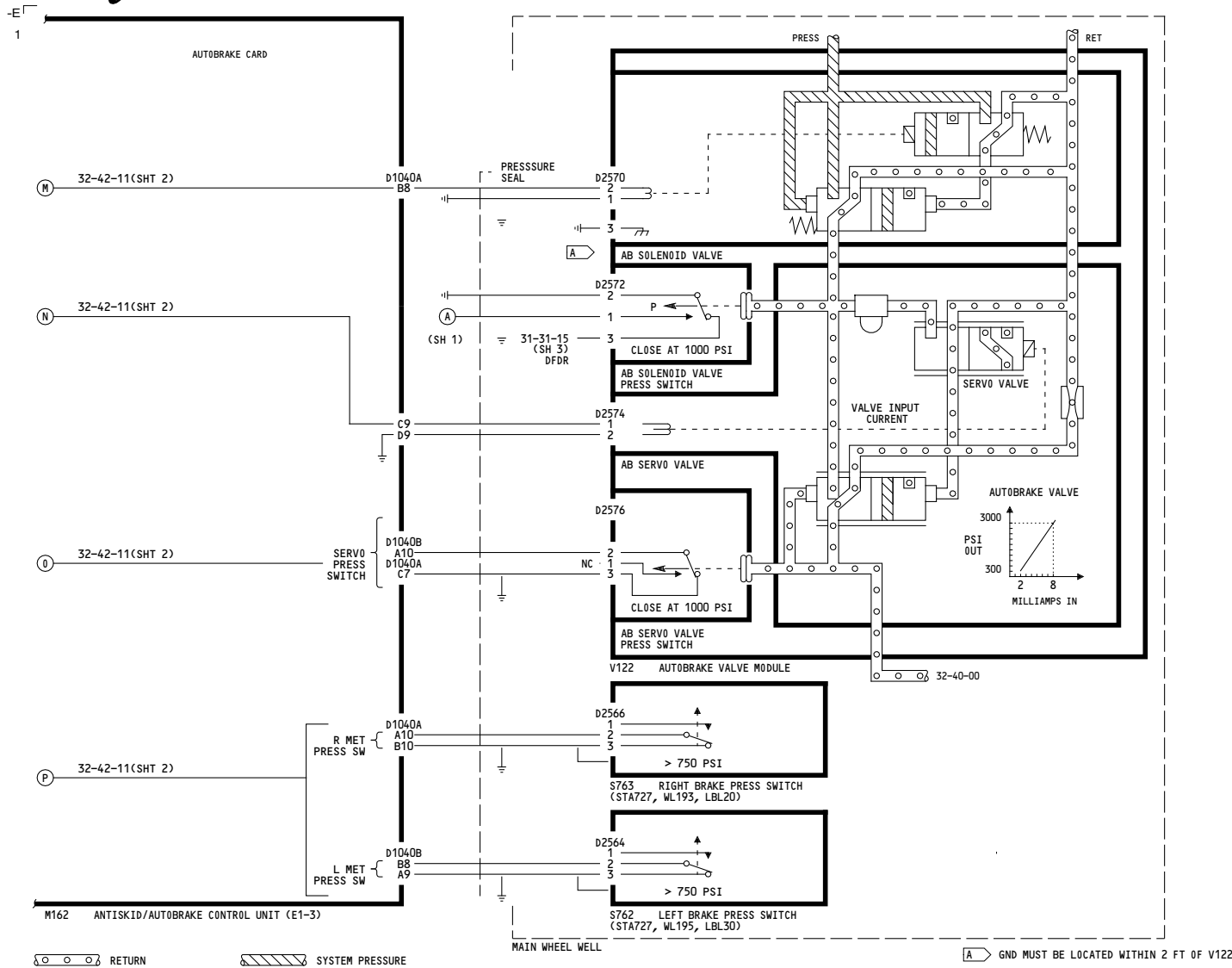
WIRING DIAGRAMS
32-42-11



YC001-YC007	AUTOBRAKE SYSTEM
	D280A203

32-42-11

WIRING DIAGRAMS
32-42-11



AUTOBRAKE SHOWN IN OFF POSITION

○ ○ ○ ○ RETURN ▨ ▨ ▨ ▨ SYSTEM PRESSURE

[A] GND MUST BE LOCATED WITHIN 2 FT OF V122

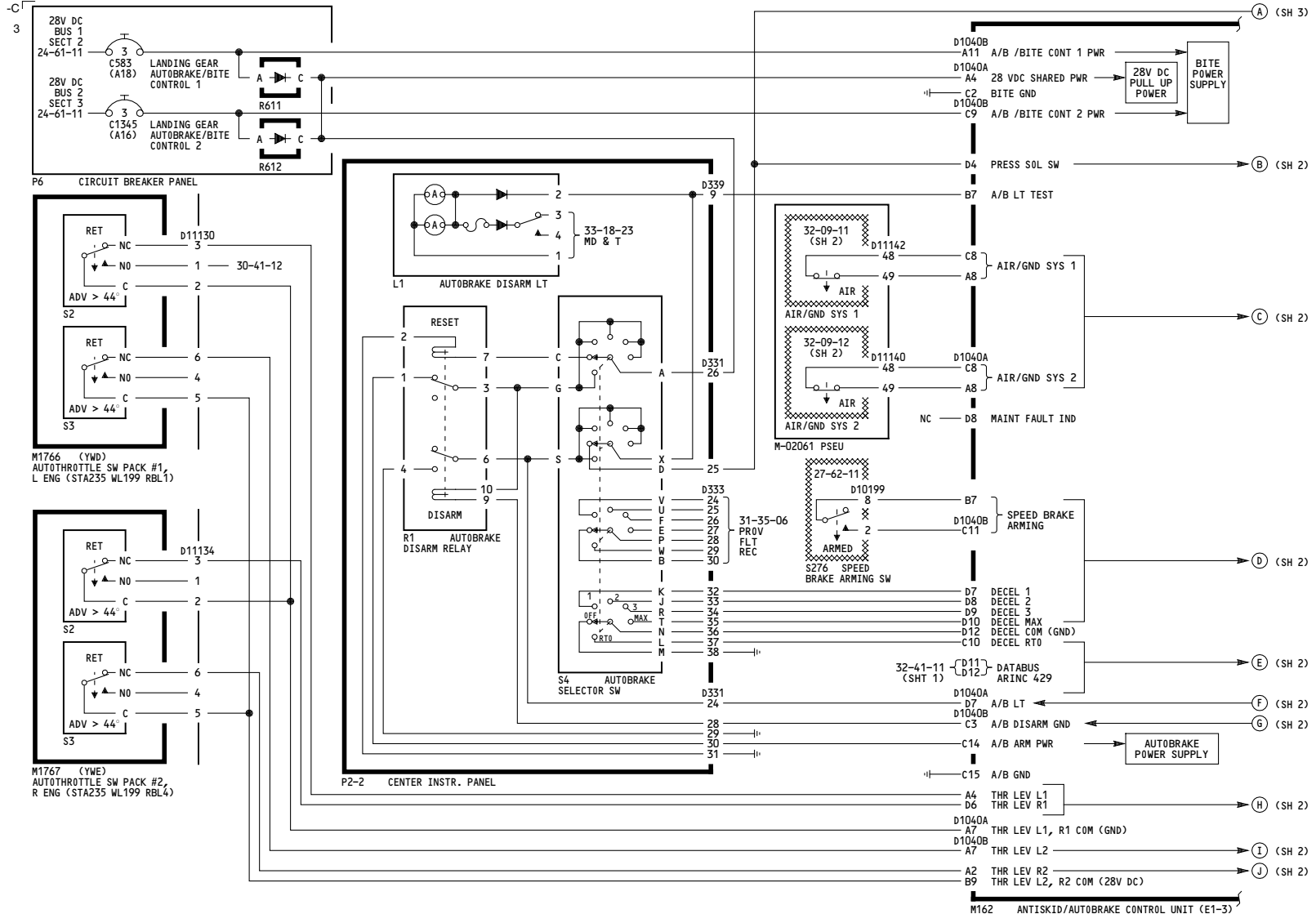
YC001-YC007	AUTOBRAKE SYSTEM
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Sheet 3
Mar 31/2005

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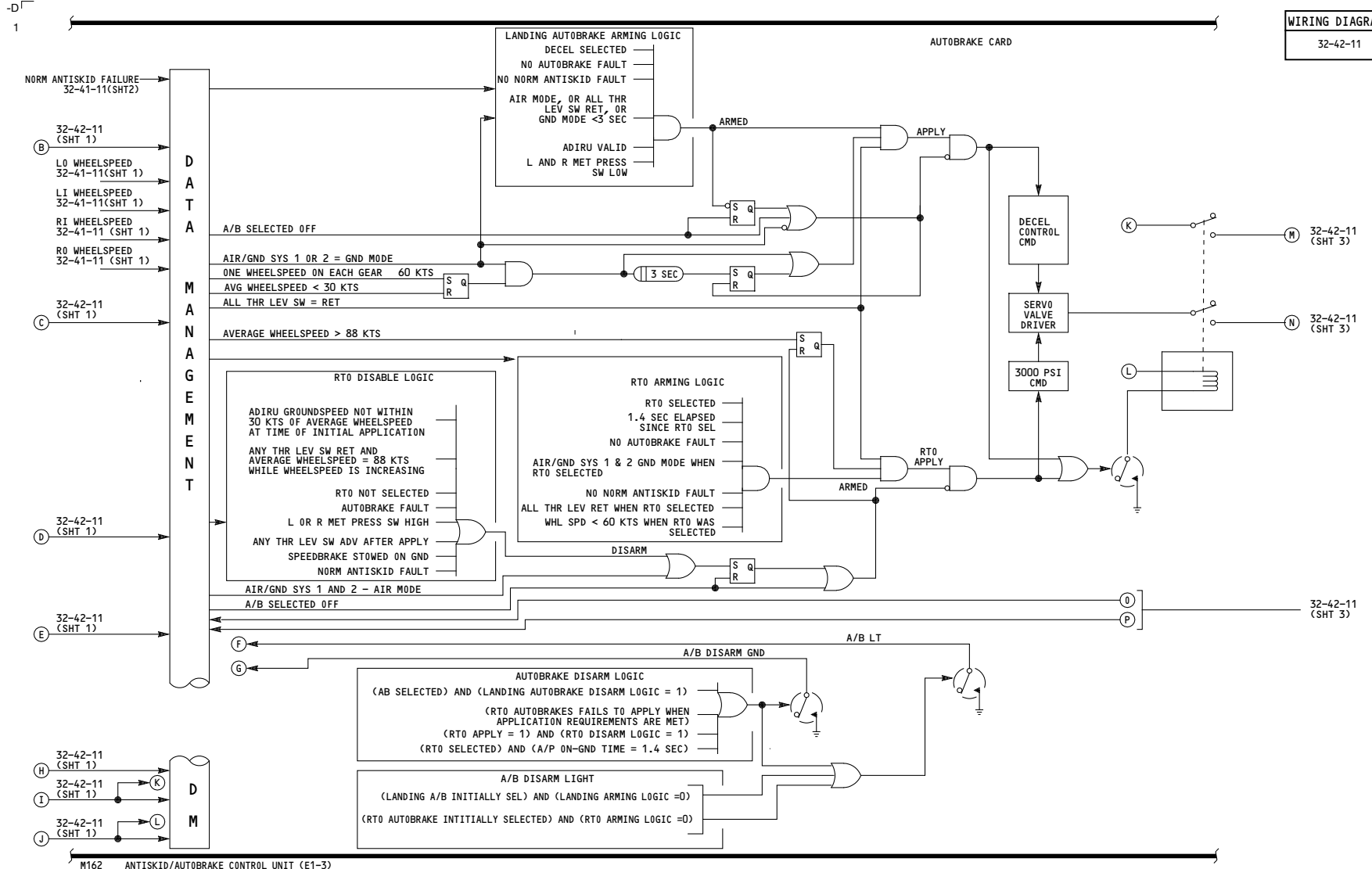
WIRING DIAGRAMS
32-42-11



YC008-YC050, YM652-YM670	AUTOBRAKE SYSTEM
	D280A203

32-42-11

WIRING DIAGRAMS
32-42-11

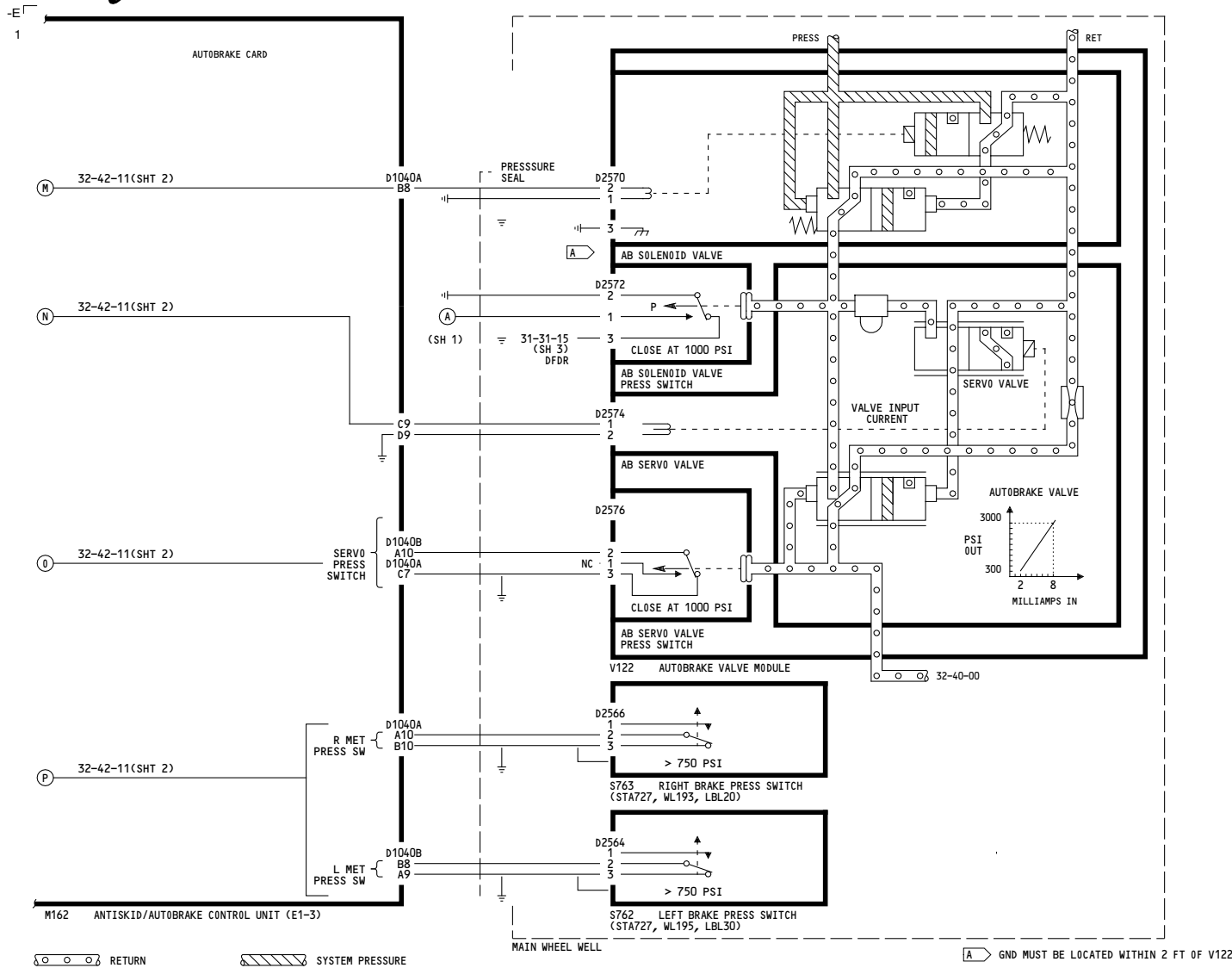


YC008-YC050, YM652-YM670	AUTOBRAKE SYSTEM
	D280A203

32-42-11

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Aug 13/2008

WIRING DIAGRAMS
32-42-11



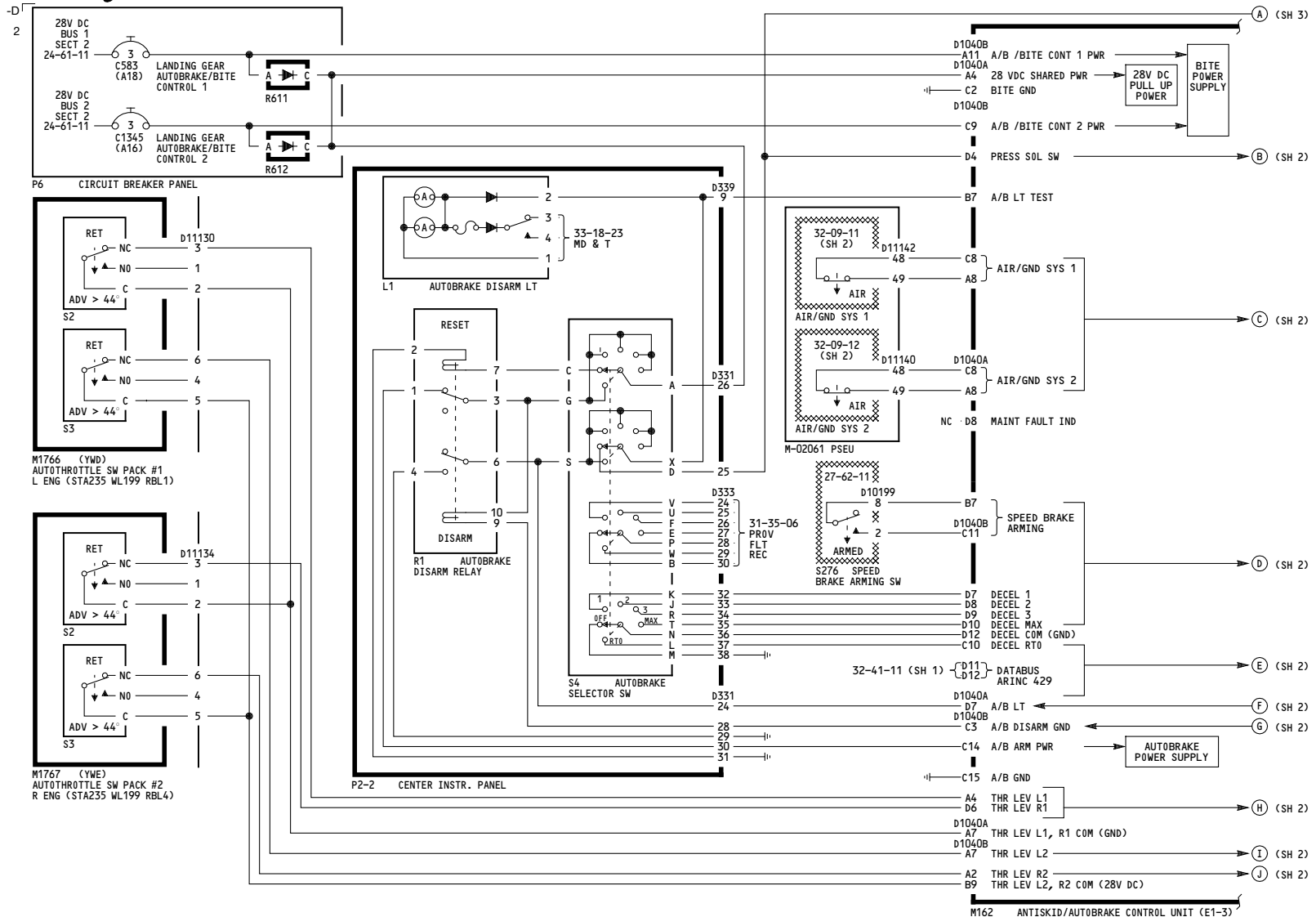
AUTOBRAKE SHOWN IN OFF POSITION

YCO08-YCO50, YM652-YM670	AUTOBRAKE SYSTEM
	D280A203

32-42-11

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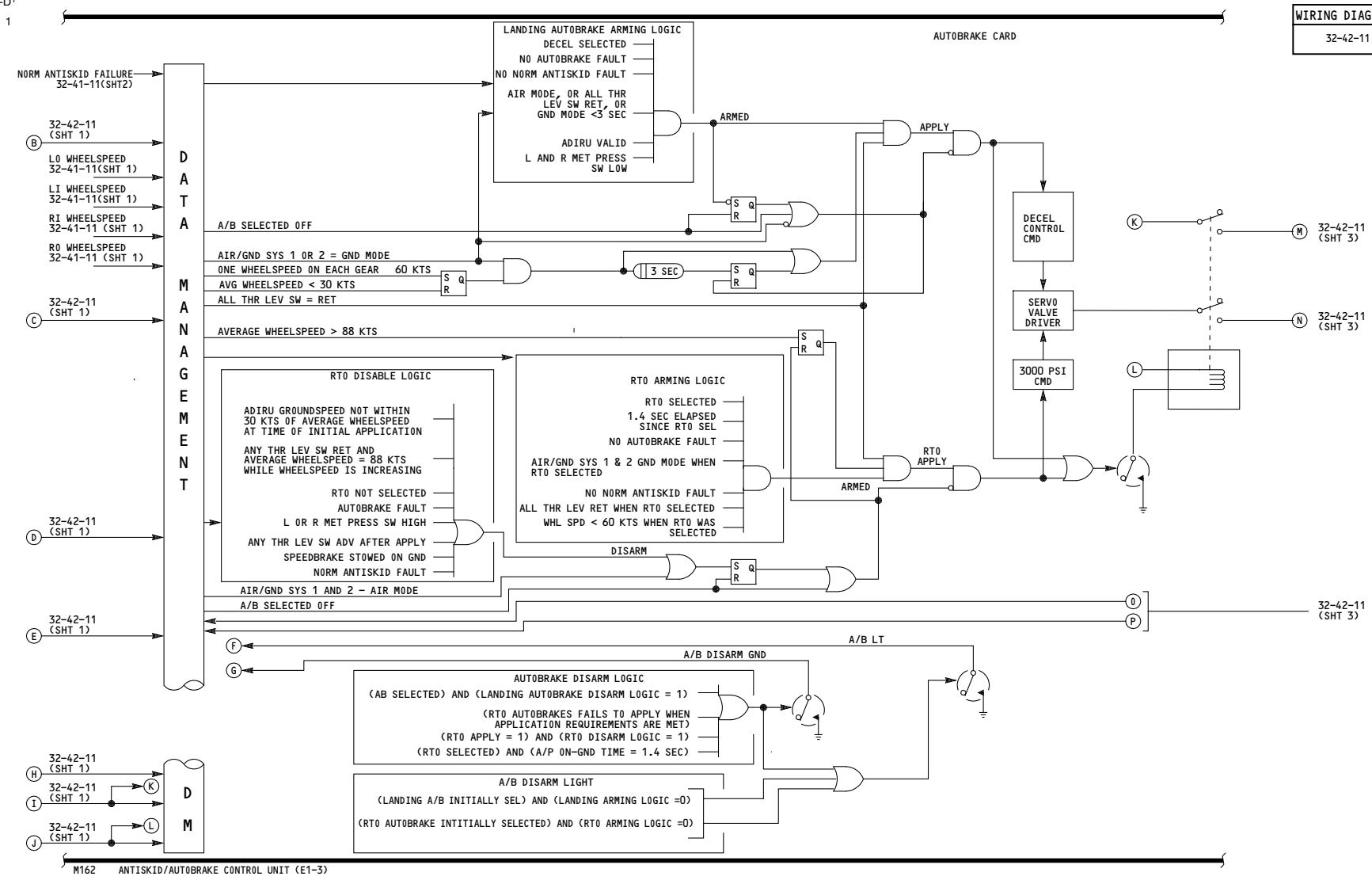
WIRING DIAGRAMS
32-42-11



YK901-YM651	AUTOBRAKE SYSTEM
	D280A203

32-42-11

WIRING DIAGRAMS
32-42-11



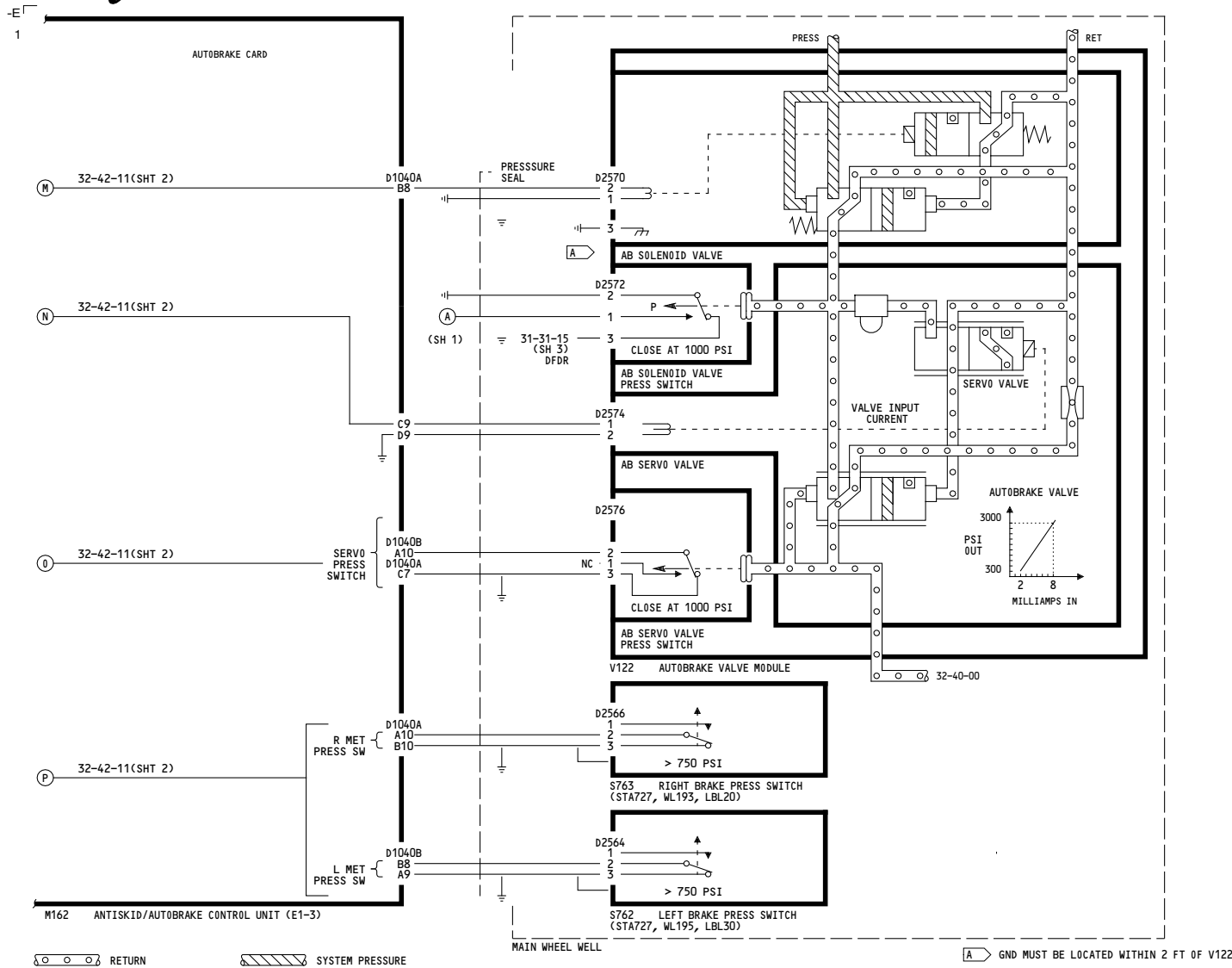
YK901-YM651

AUTOBRAKE SYSTEM

D280A203

32-42-11

WIRING DIAGRAMS
32-42-11

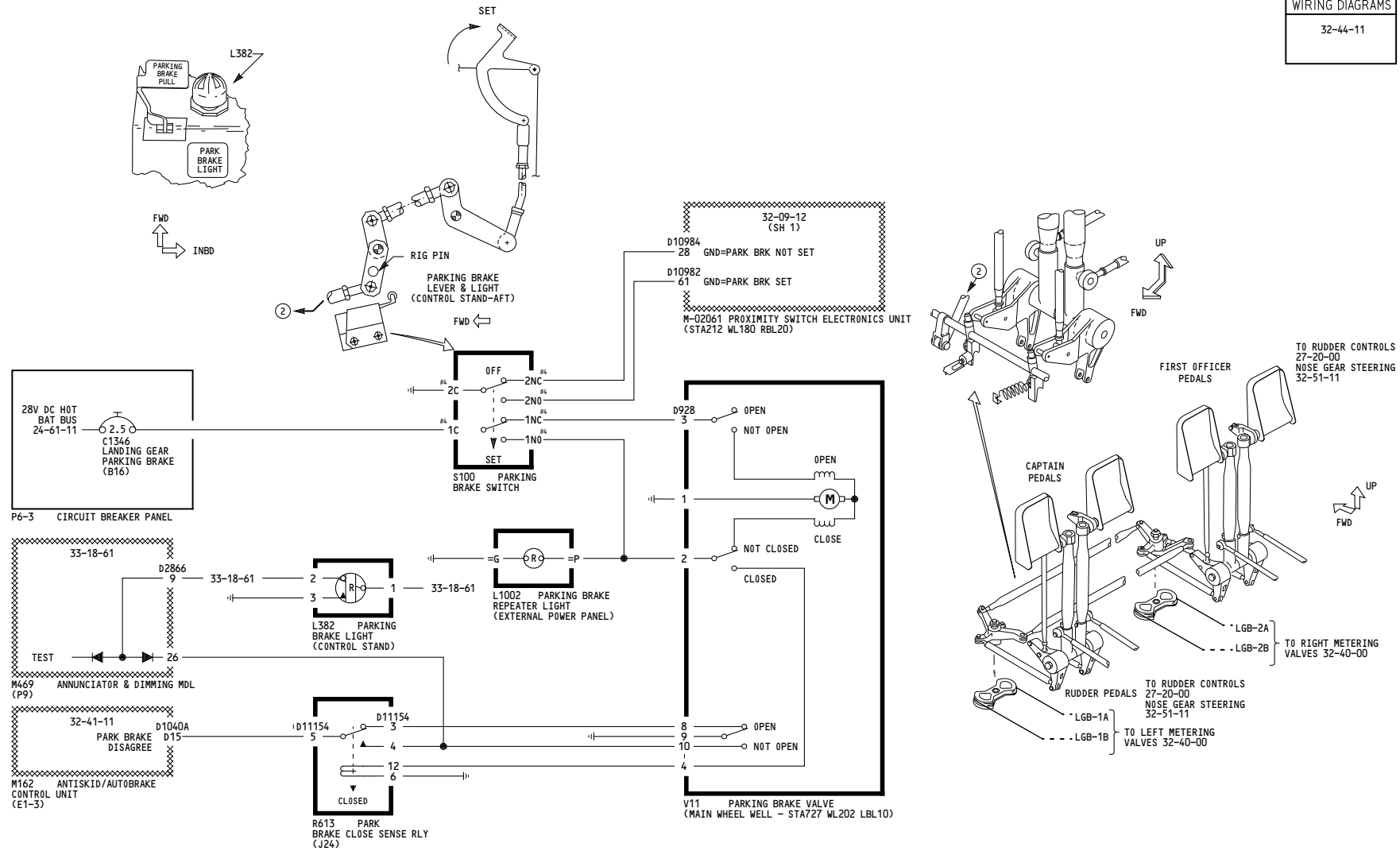


AUTOBRAKE SHOWN IN OFF POSITION

YK901-YM651	AUTOBRAKE SYSTEM
	D280A203

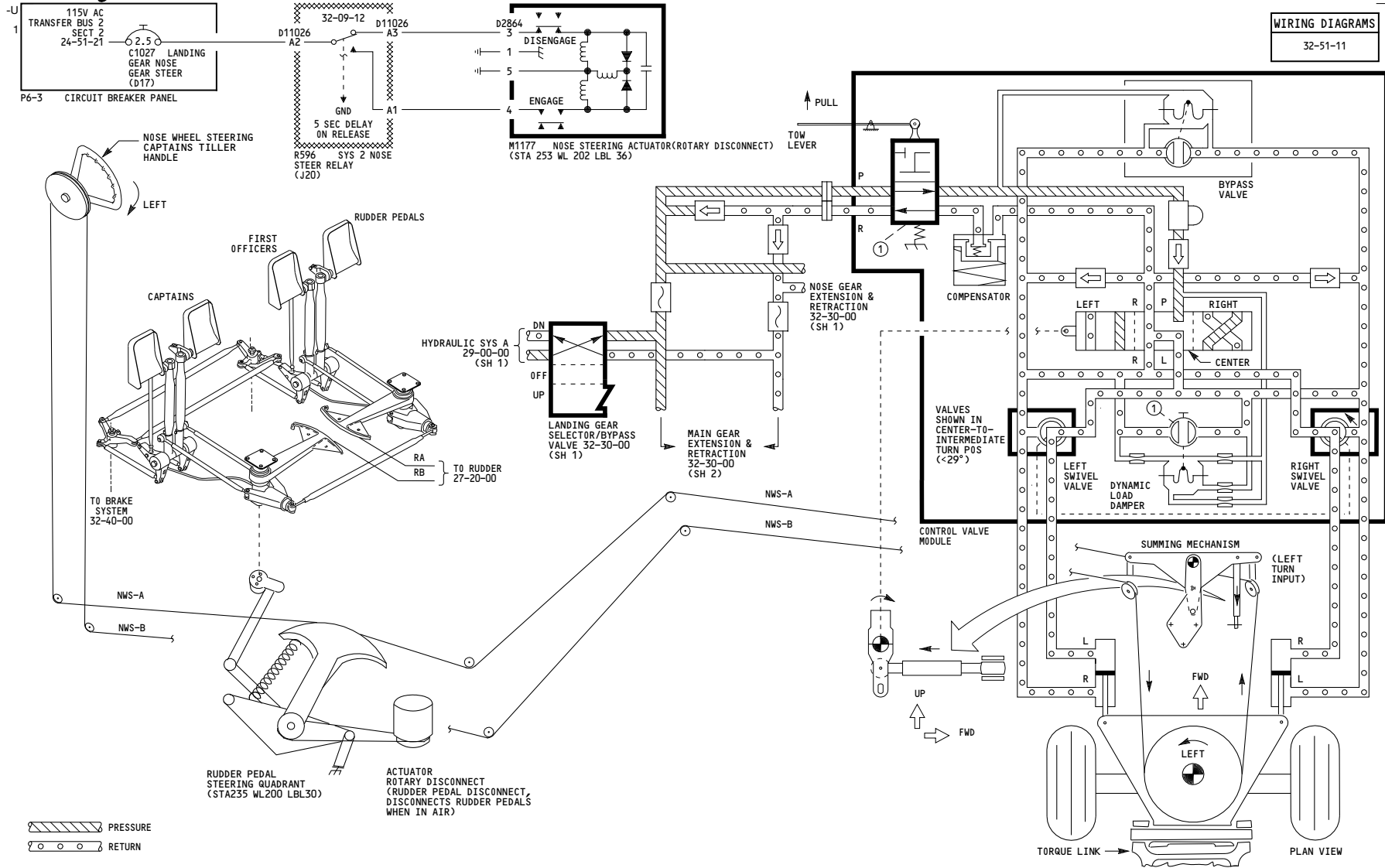
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ALL	PARKING BRAKE SYSTEM
	D280A203

32-44-11

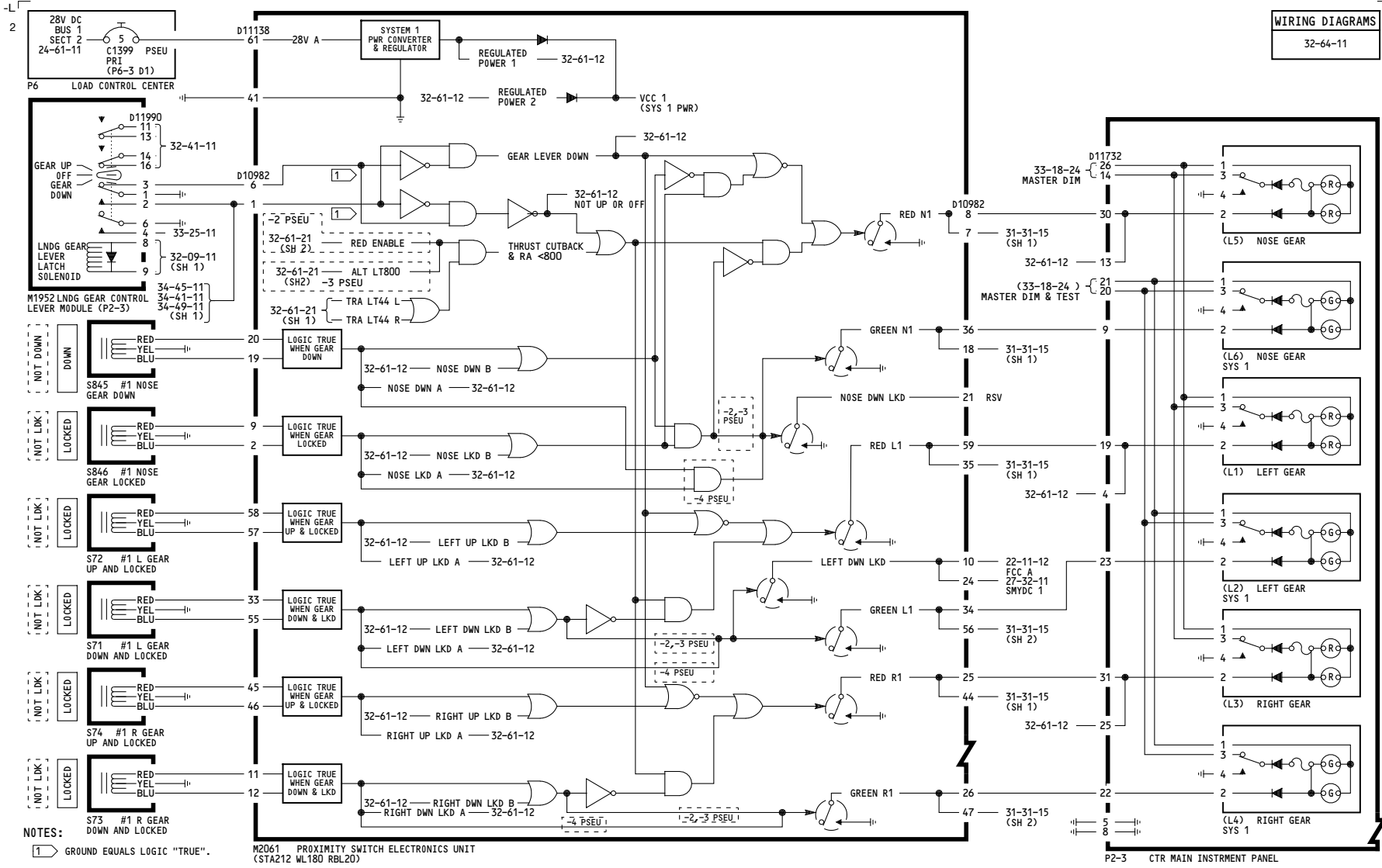


PRESSURE
 RETURN

ALL	NOSE GEAR STEERING
	D280A203

32-51-11

WIRING DIAGRAMS
32-64-11



NOTES:
1 GROUND EQUALS LOGIC "TRUE".

M2061 PROXIMITY SWITCH ELECTRONICS UNIT
(STA212 WL180 RBL20)

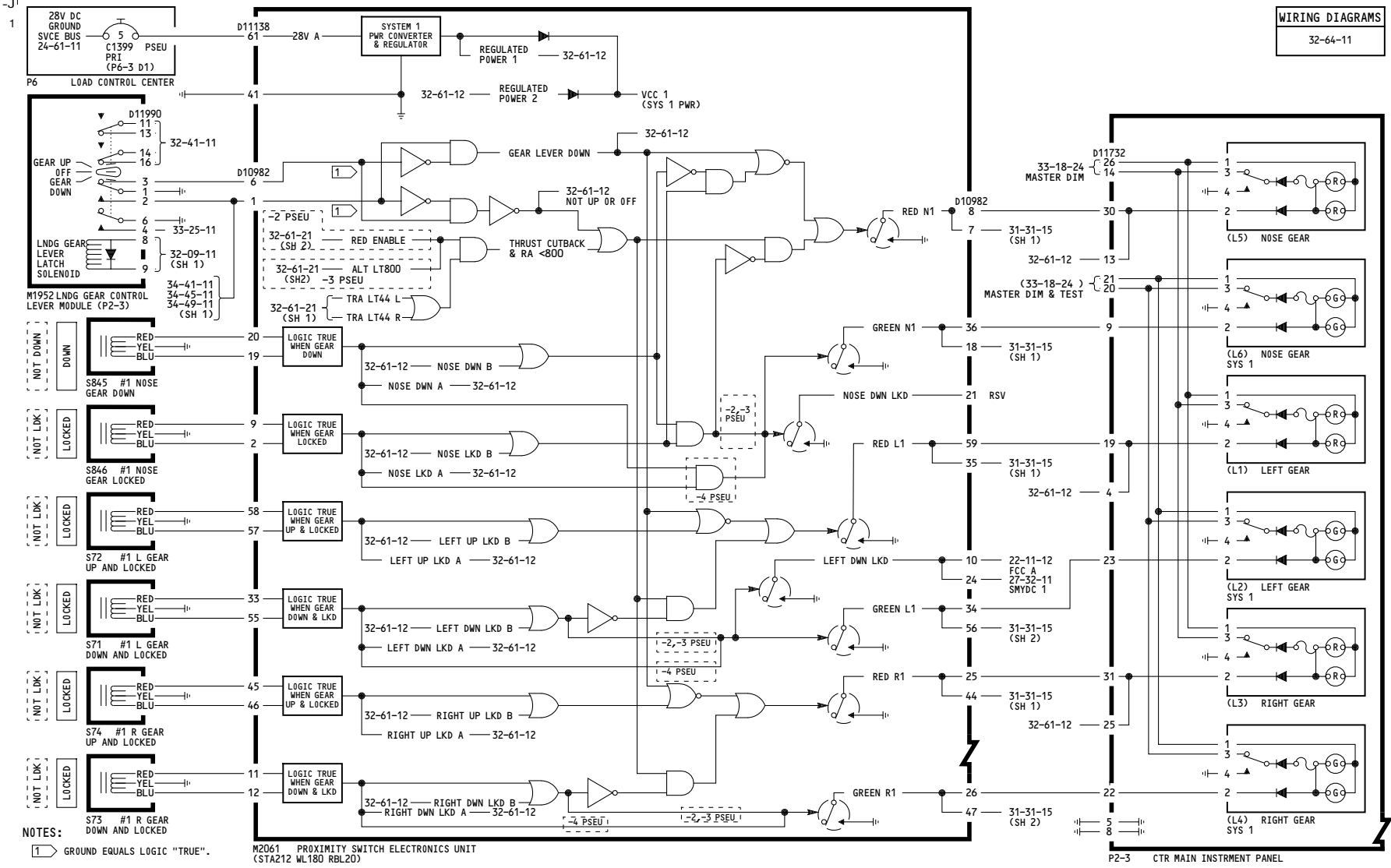
YC001-YC018

LANDING GEAR POSITION INDICATION SYSTEM 1

D280A203

32-61-11

WIRING DIAGRAMS
32-64-11



NOTES:
1 GROUND EQUALS LOGIC "TRUE".

M2061 PROXIMITY SWITCH ELECTRONICS UNIT
(STA212 WL180 RBL20)

P2-3 CTR MAIN INSTRUMENT PANEL

YC001-YC018

LANDING GEAR POSITION INDICATION SYSTEM 1

Incorporates
24-1142

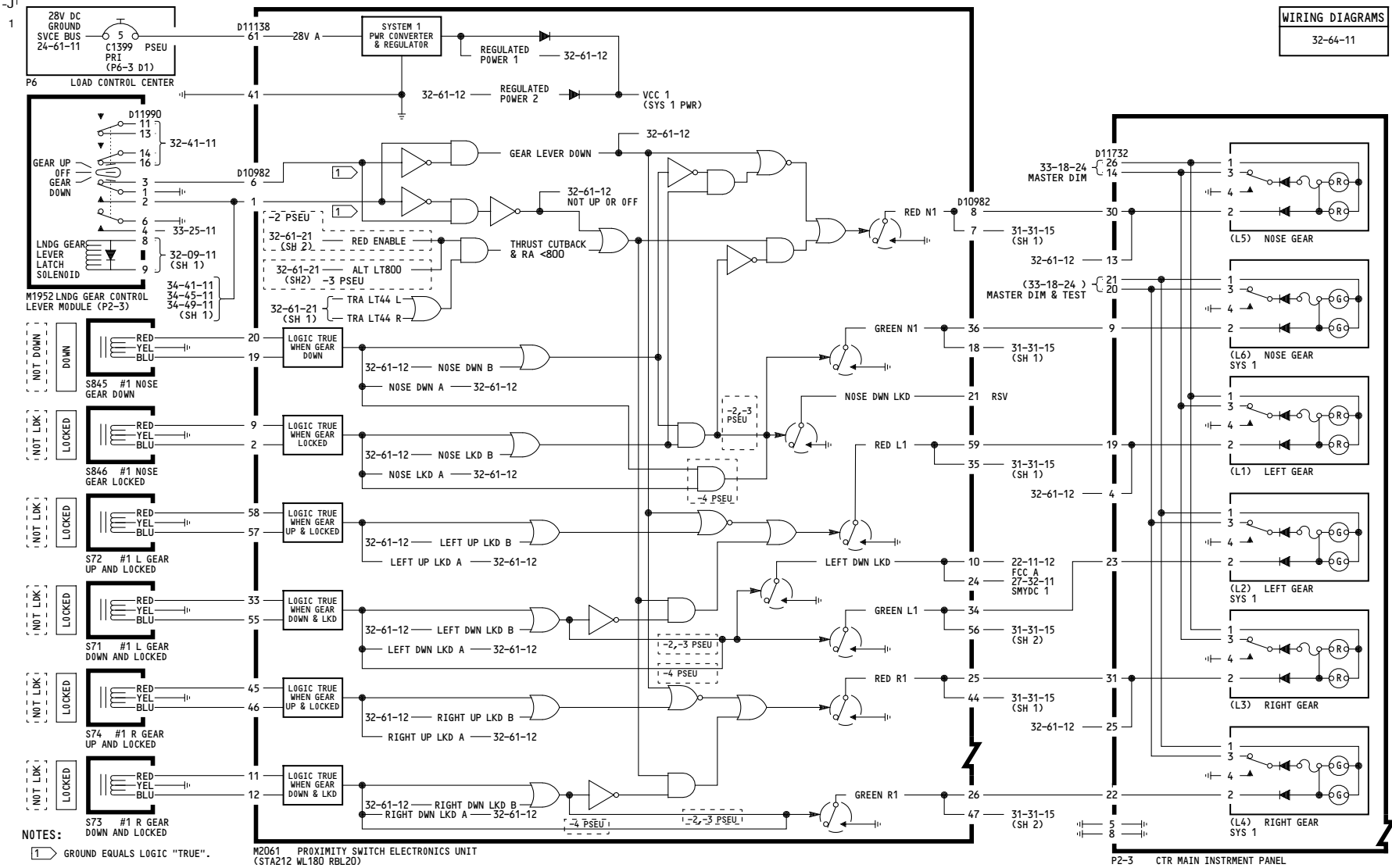
D280A203

32-61-11

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WIRING DIAGRAMS
32-64-11



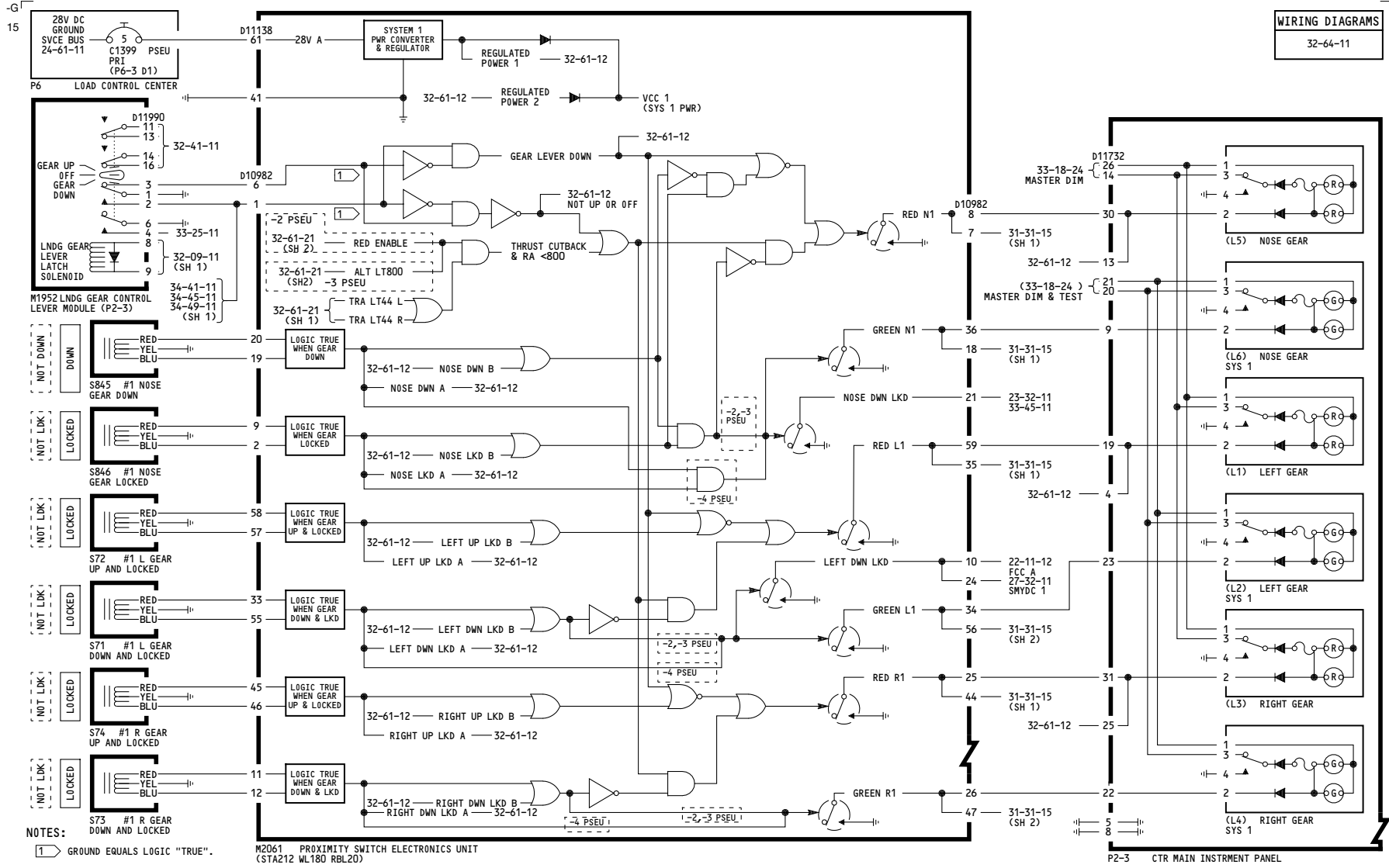
YC019-YC050

LANDING GEAR POSITION INDICATION SYSTEM 1

D280A203

32-61-11

WIRING DIAGRAMS
32-64-11



NOTES:
1 GROUND EQUALS LOGIC "TRUE".

M2061 PROXIMITY SWITCH ELECTRONICS UNIT
(STA212 WL180 RBL20)

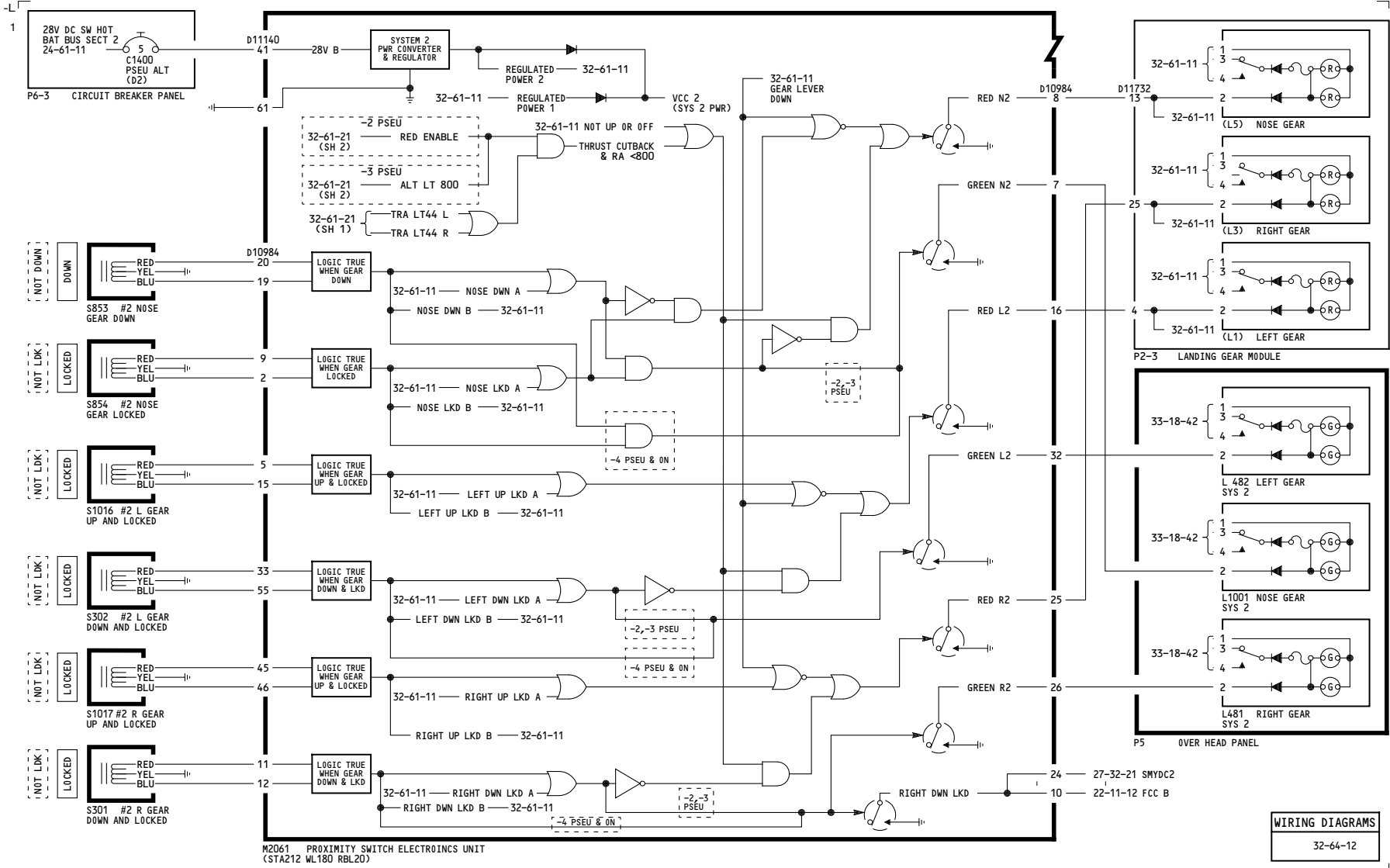
P2-3 CTR MAIN INSTRUMENT PANEL

YK901-YM670

LANDING GEAR POSITION INDICATION SYSTEM 1

D280A203

32-61-11



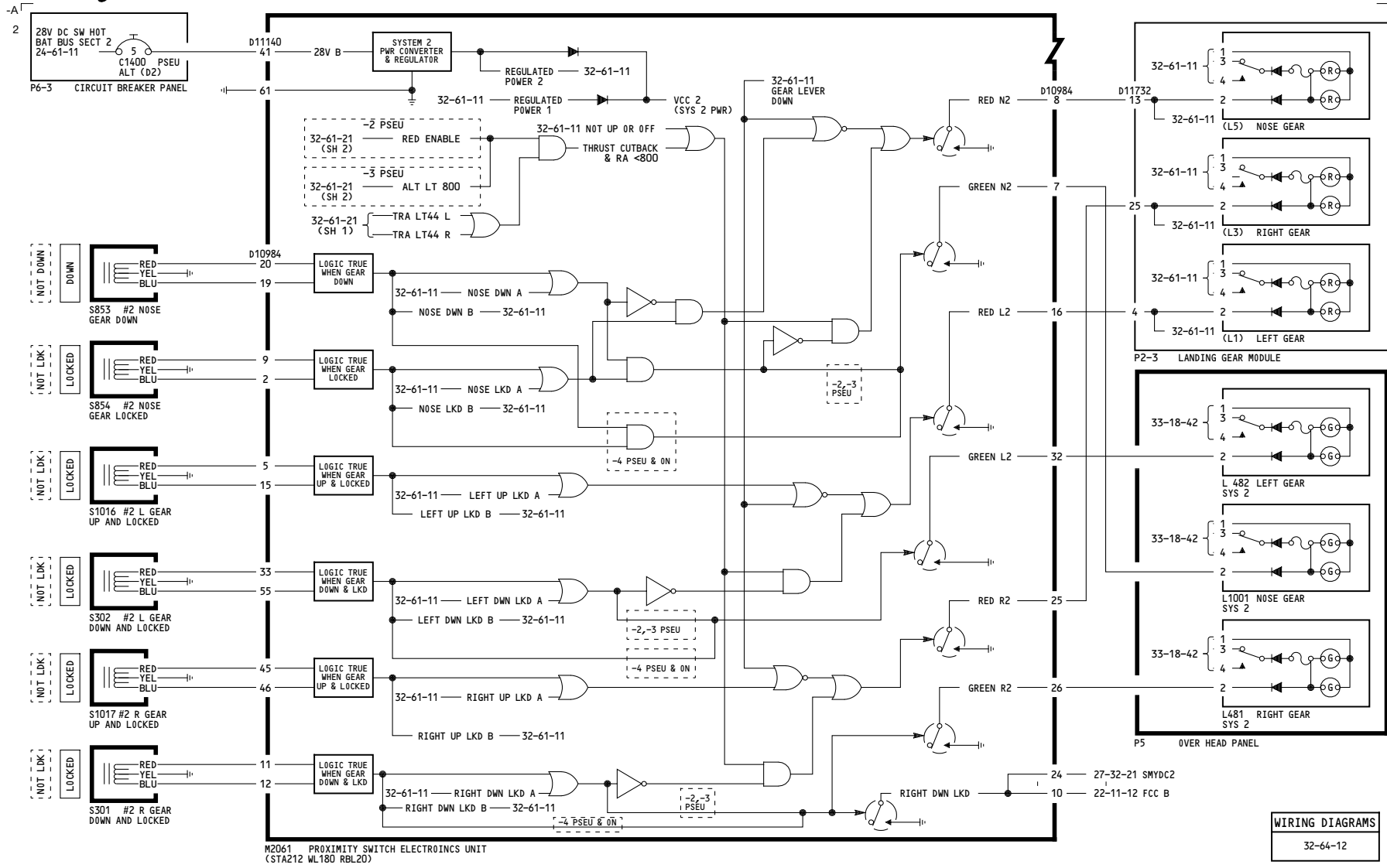
WIRING DIAGRAMS
32-64-12

YC001-YK910, YL421-YL423, YM643

LANDING GEAR POSITION INDICATION SYSTEM 2

D280A203

32-61-12



WIRING DIAGRAMS
32-64-12

32-61-12

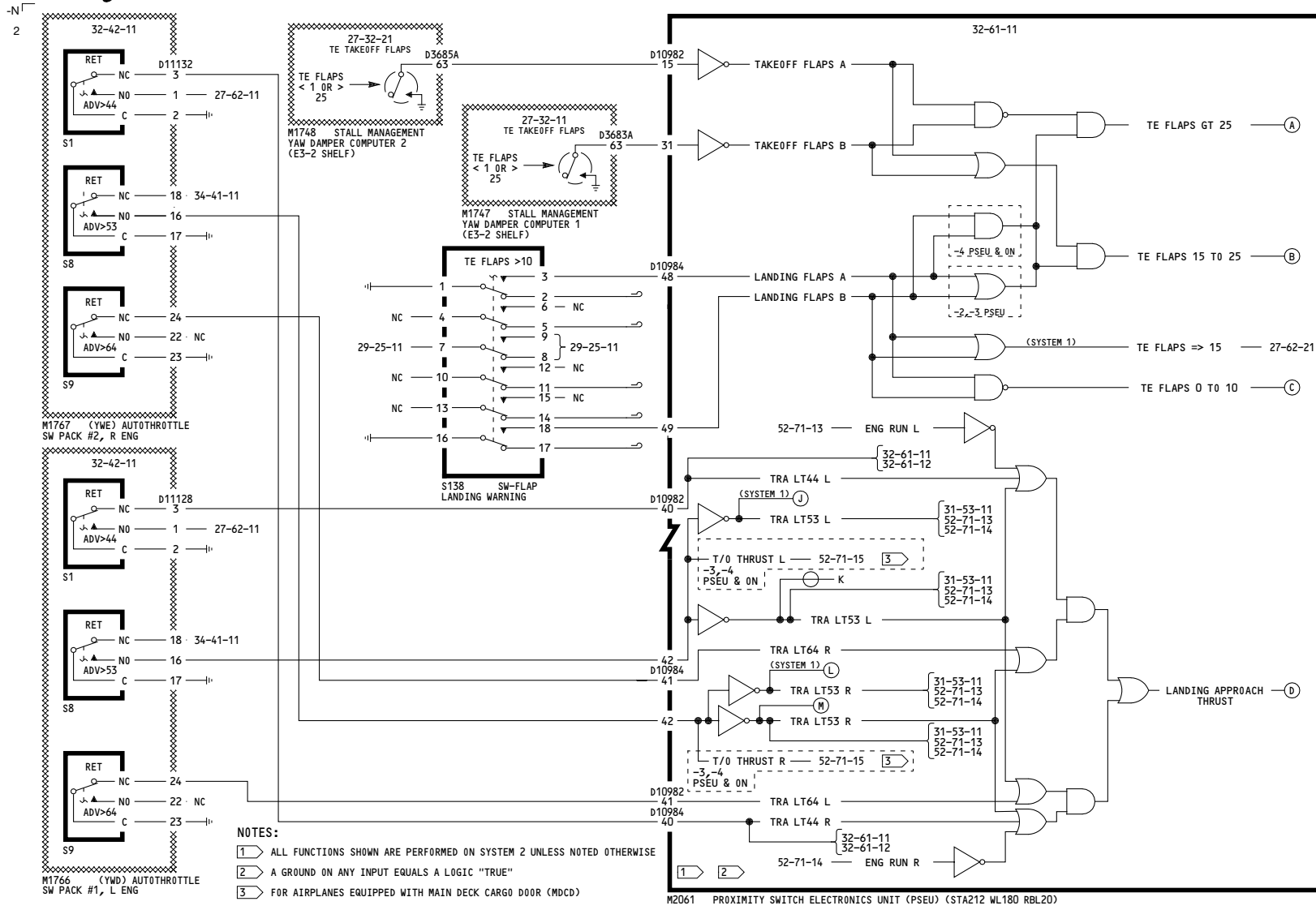
YK911-YL401, YL424-YL430, YM645-YM670

LANDING GEAR POSITION INDICATION SYSTEM 2

D280A203

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WIRING DIAGRAMS
32-64-21



- NOTES:
- 1 ALL FUNCTIONS SHOWN ARE PERFORMED ON SYSTEM 2 UNLESS NOTED OTHERWISE
 - 2 A GROUND ON ANY INPUT EQUALS A LOGIC "TRUE"
 - 3 FOR AIRPLANES EQUIPPED WITH MAIN DECK CARGO DOOR (MDCD)

YC001-YC030, YK901-YK906

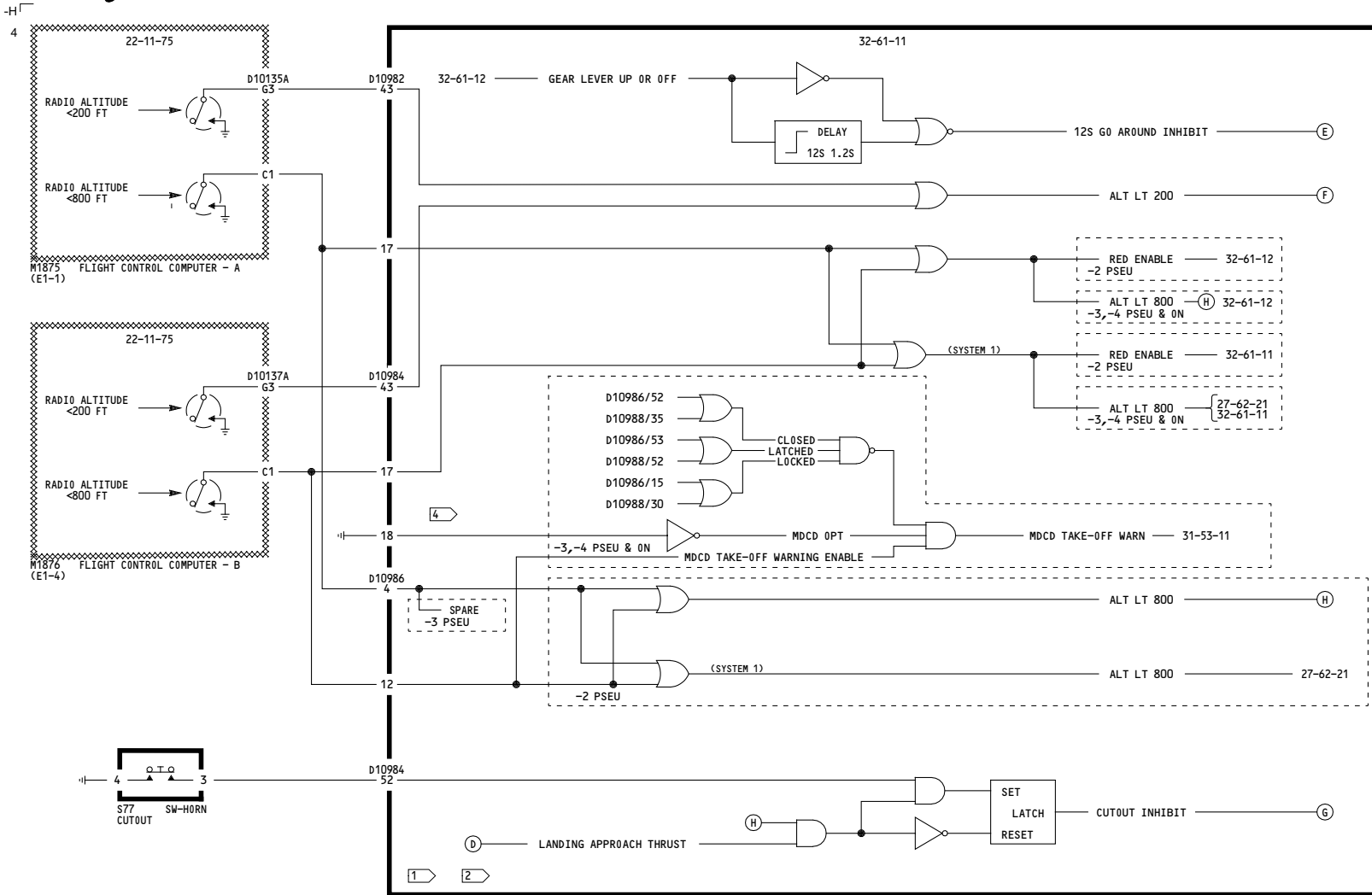
LANDING GEAR WARNING

D280A203

32-61-21

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Jul 17/2007

WIRING DIAGRAMS
32-64-21



NOTES:
 [4] A GROUND ON D10984/18 SIGNIFIES THERE IS NOT A MAIN DECK CARGO DOOR (MDCD).

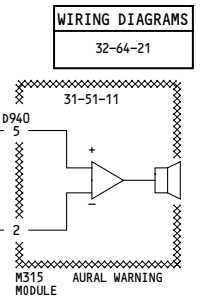
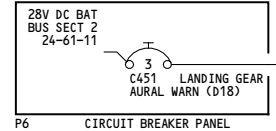
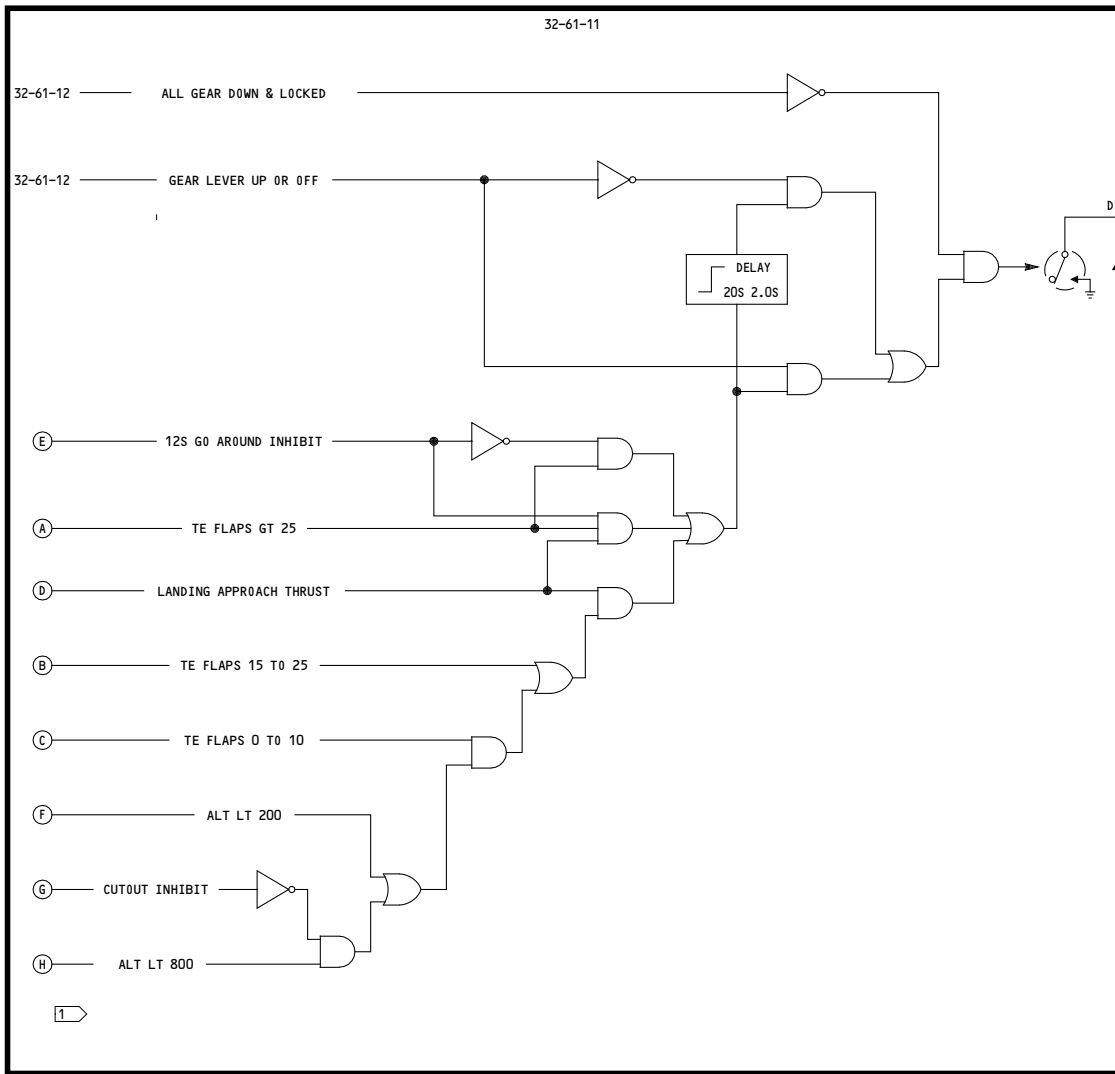
M2061 PROXIMITY SWITCH ELECTRONICS UNIT (PSEU) (STA212 WL180 RBL20)

YC001-YC030, YK901-YK906	LANDING GEAR WARNING
	D280A203

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M2061 PROXIMITY SWITCH ELECTRONICS UNIT (PSEU) (STA212 WL180 RBL20)

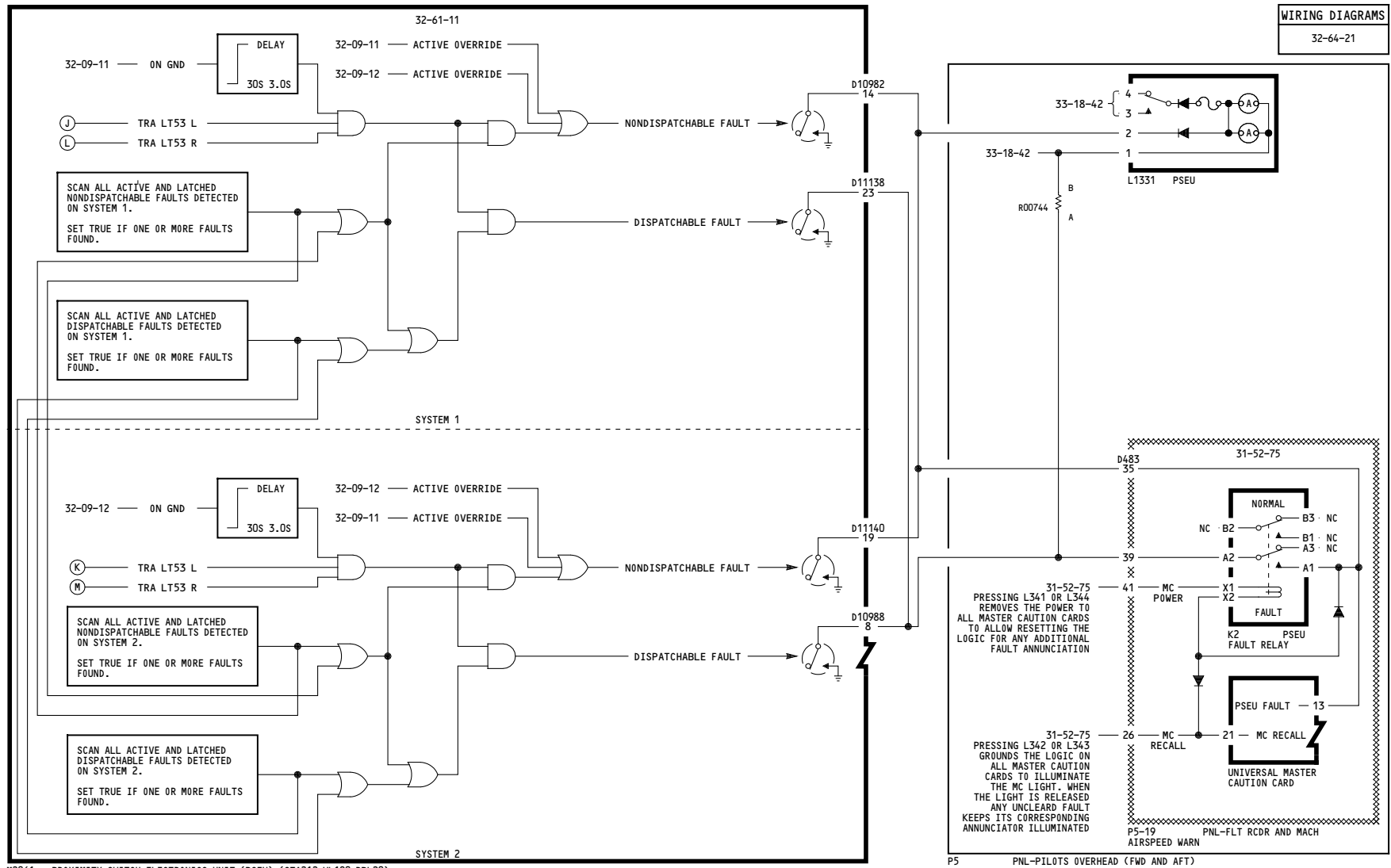
YC001-YC030, YK901-YK906	LANDING GEAR WARNING D280A203
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M2061 PROXIMITY SWITCH ELECTRONICS UNIT (PSEU) (STA212 WL180 RBL20)

P5 PNL-PILOTS OVERHEAD (FWD AND AFT)

YC001-YC030, YK901-YK906

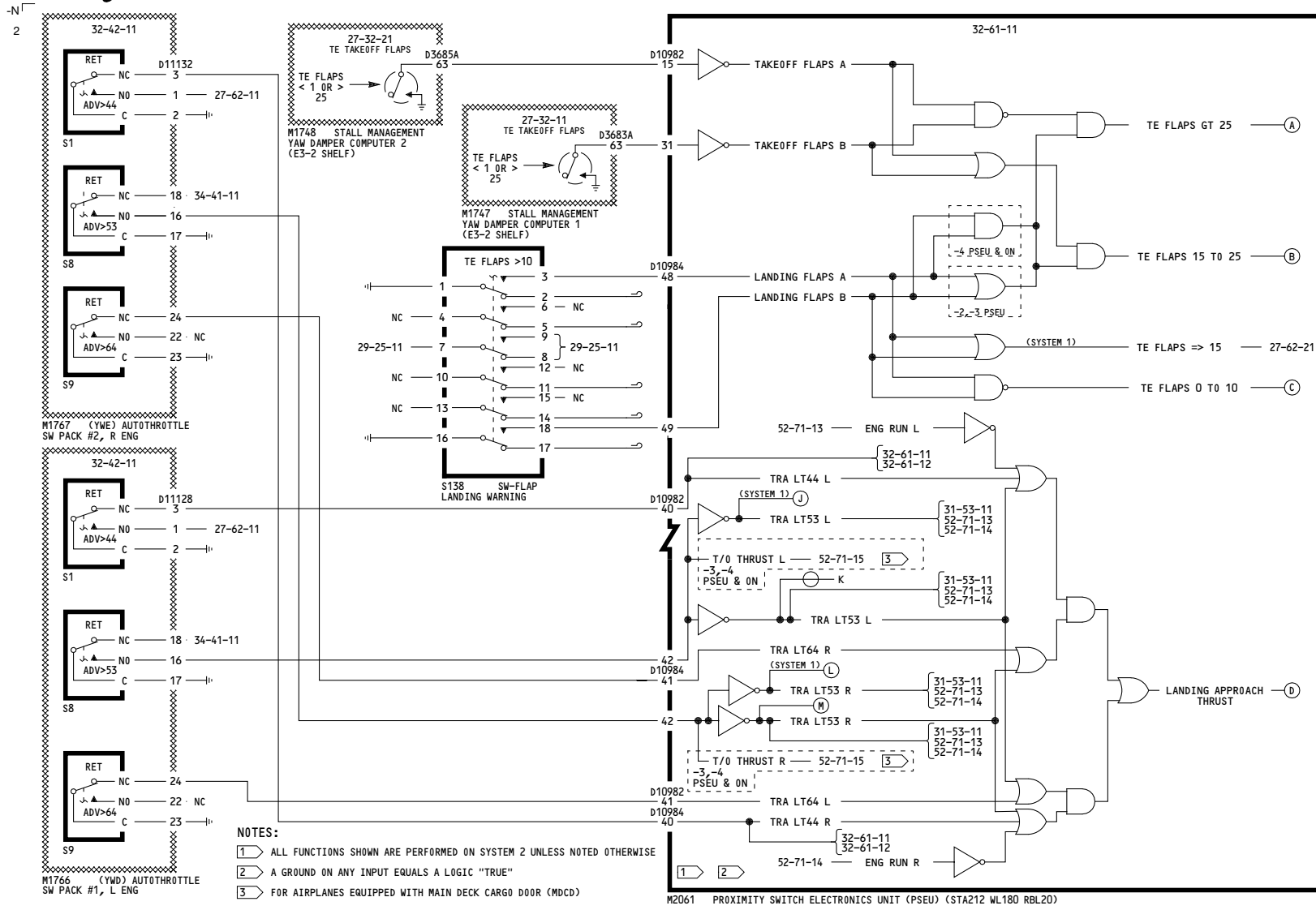
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- NOTES:
- 1 ALL FUNCTIONS SHOWN ARE PERFORMED ON SYSTEM 2 UNLESS NOTED OTHERWISE
 - 2 A GROUND ON ANY INPUT EQUALS A LOGIC "TRUE"
 - 3 FOR AIRPLANES EQUIPPED WITH MAIN DECK CARGO DOOR (MDCD)

YC031-YC050, YK907-YK910, YK918, YL421-YL426,
YM643-YM649

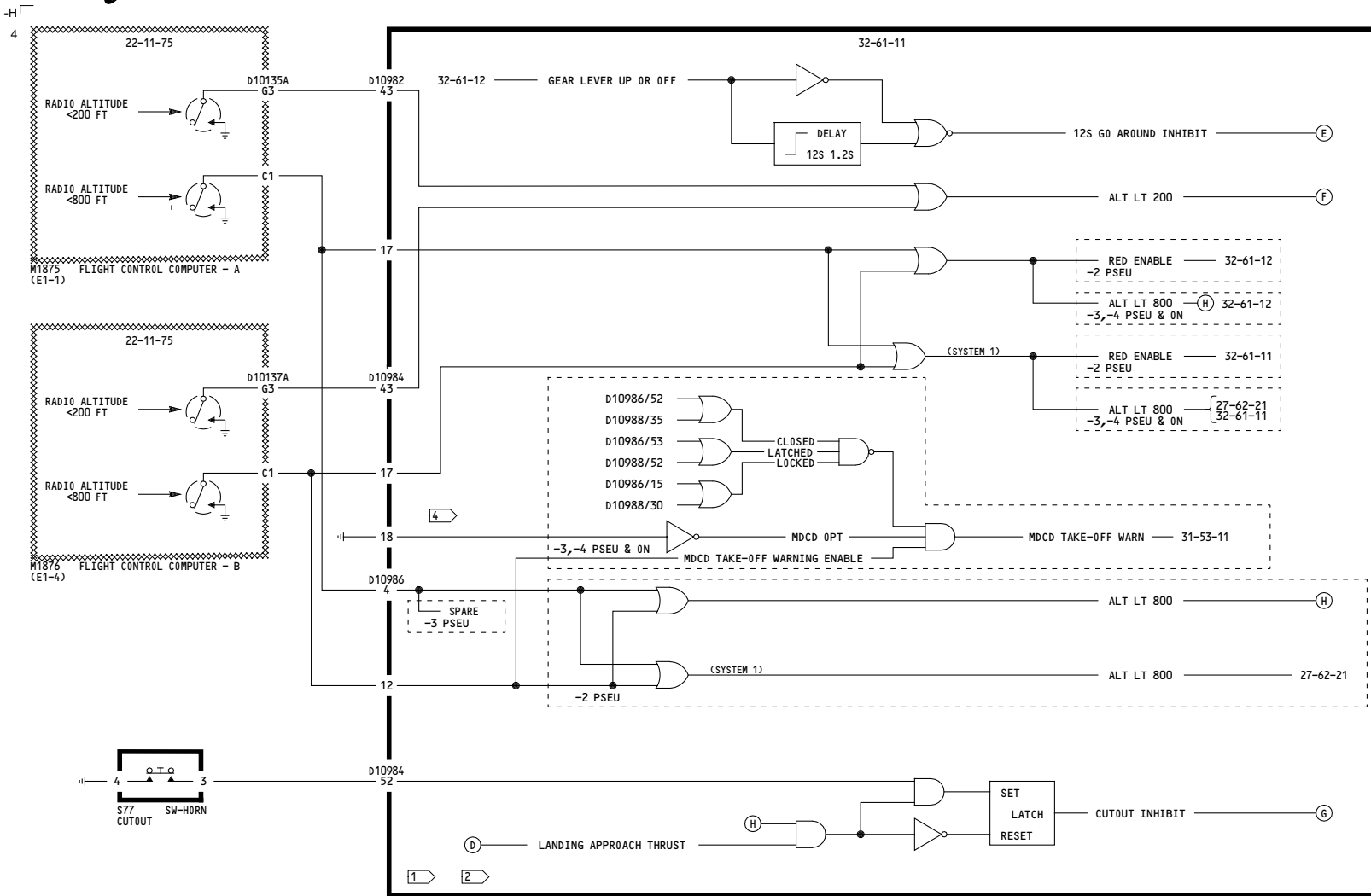
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NOTES:
 [4] A GROUND ON D10984/18 SIGNIFIES THERE IS NOT A MAIN DECK CARGO DOOR (MDCD).

YC031-YC050, YK907-YK910, YK918, YL421-YL426, YM643-YM649

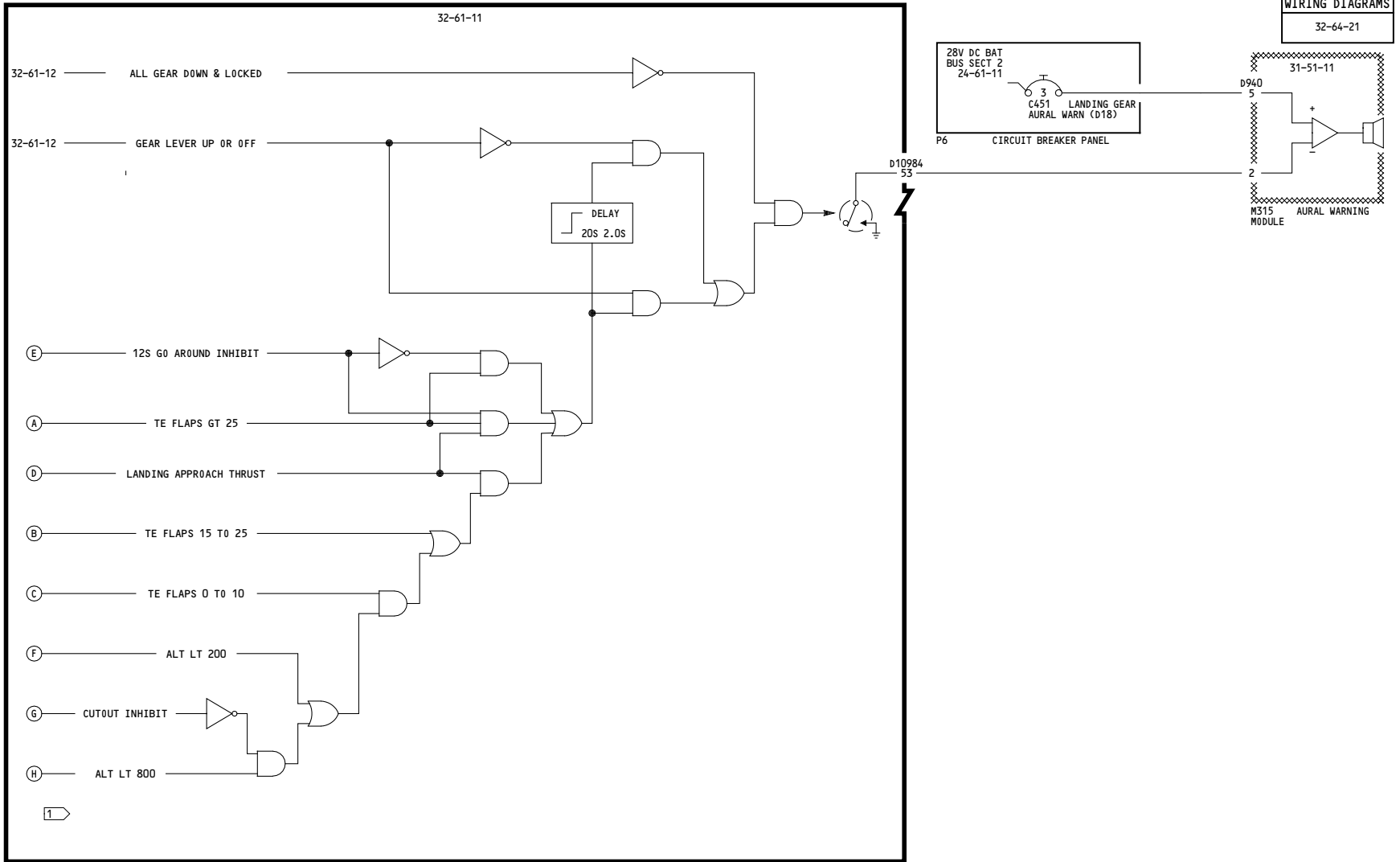
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YC031-YC050, YK907-YK910, YK918, YL421-YL426, YM643-YM649

LANDING GEAR WARNING

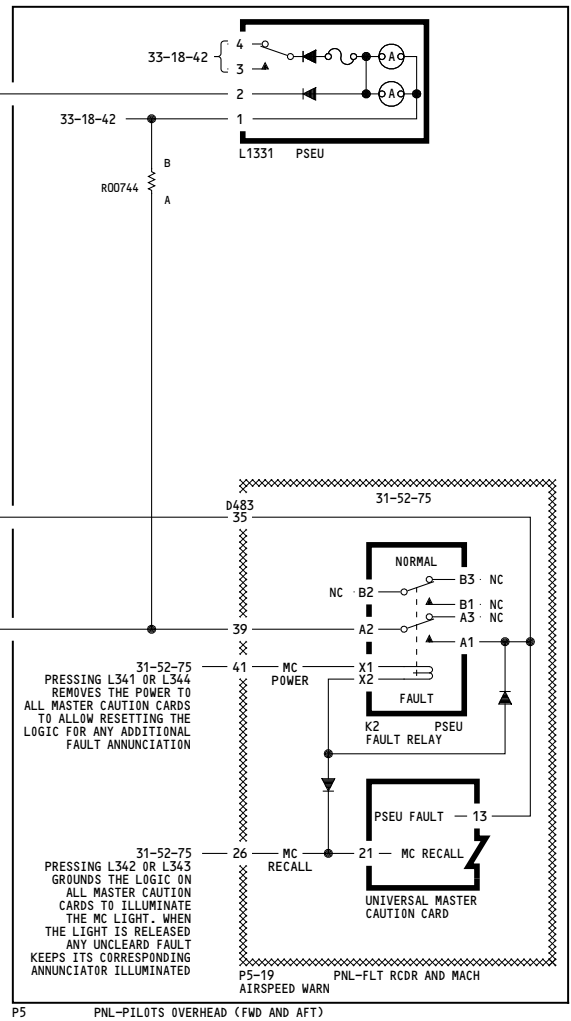
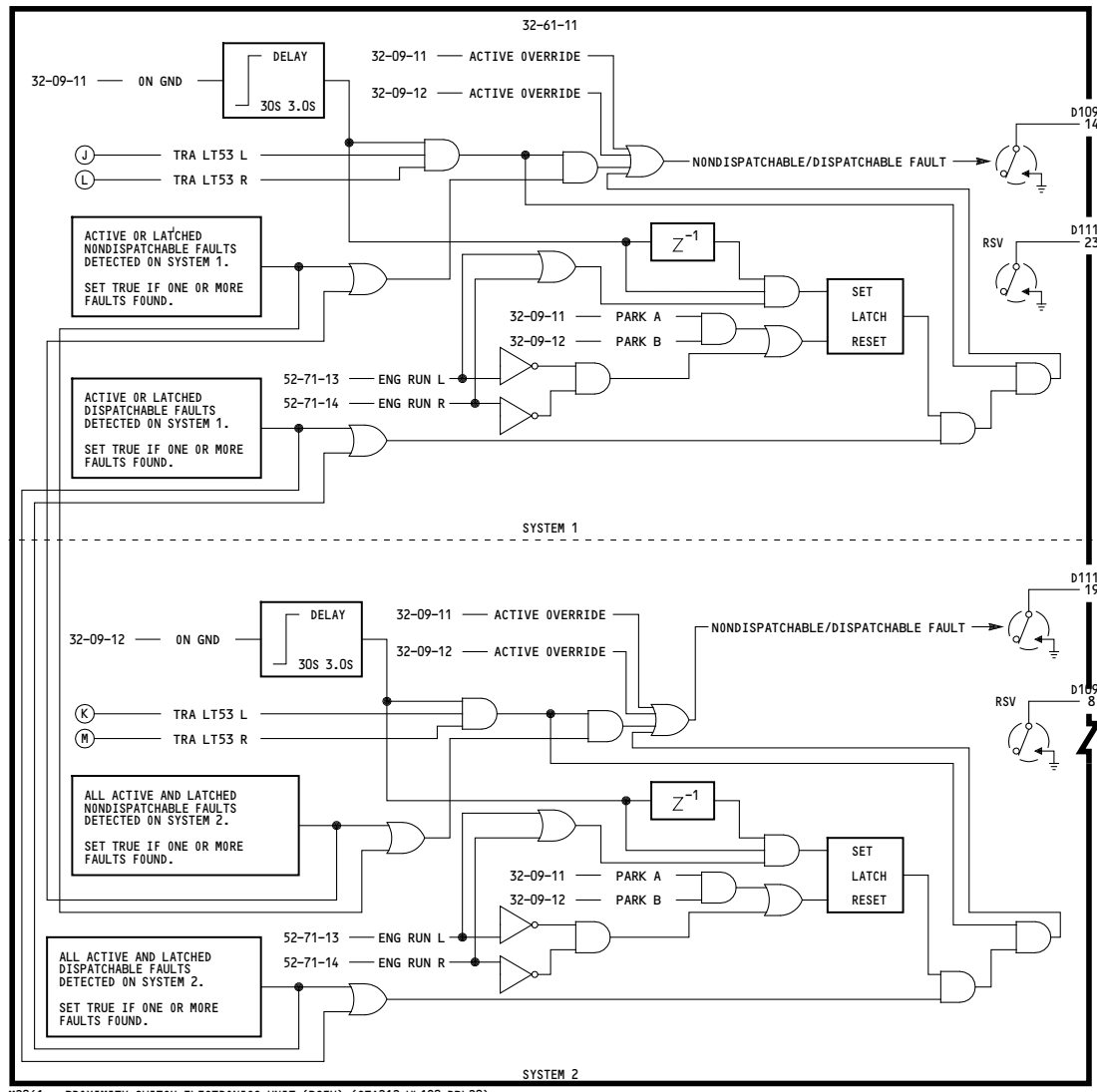
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M2061 PROXIMITY SWITCH ELECTRONICS UNIT (PSEU) (STA212 WL180 RBL20)

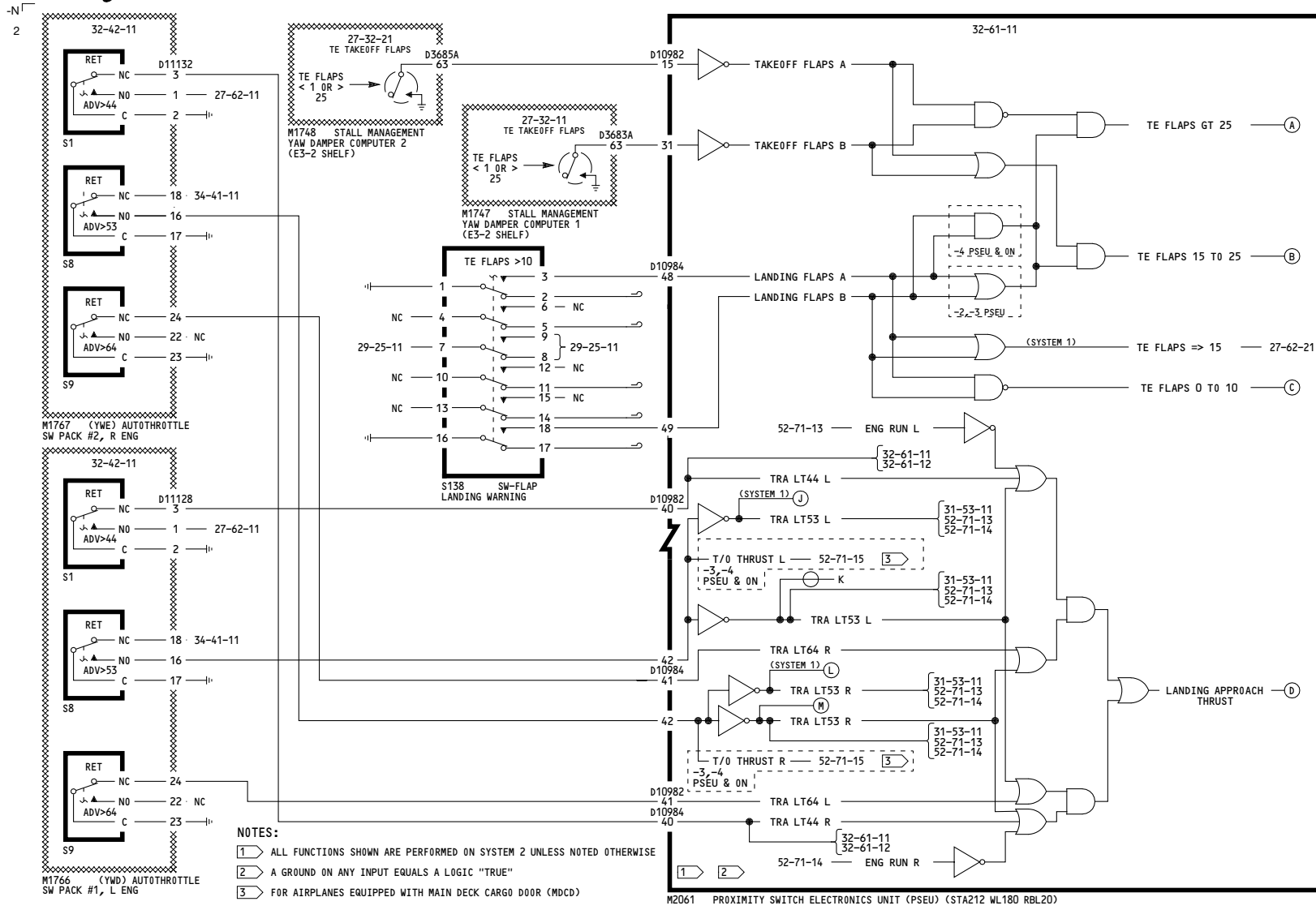
YC031-YC050, YK907-YK910, YK918, YL421-YL426, YM643-YM649

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NOTES:
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 3 FOR AIRPLANES EQUIPPED WITH MAIN DECK CARGO DOOR (MDCD)

YK911-YK912, YK919, YL401, YL427-YL429, YM651-YM652

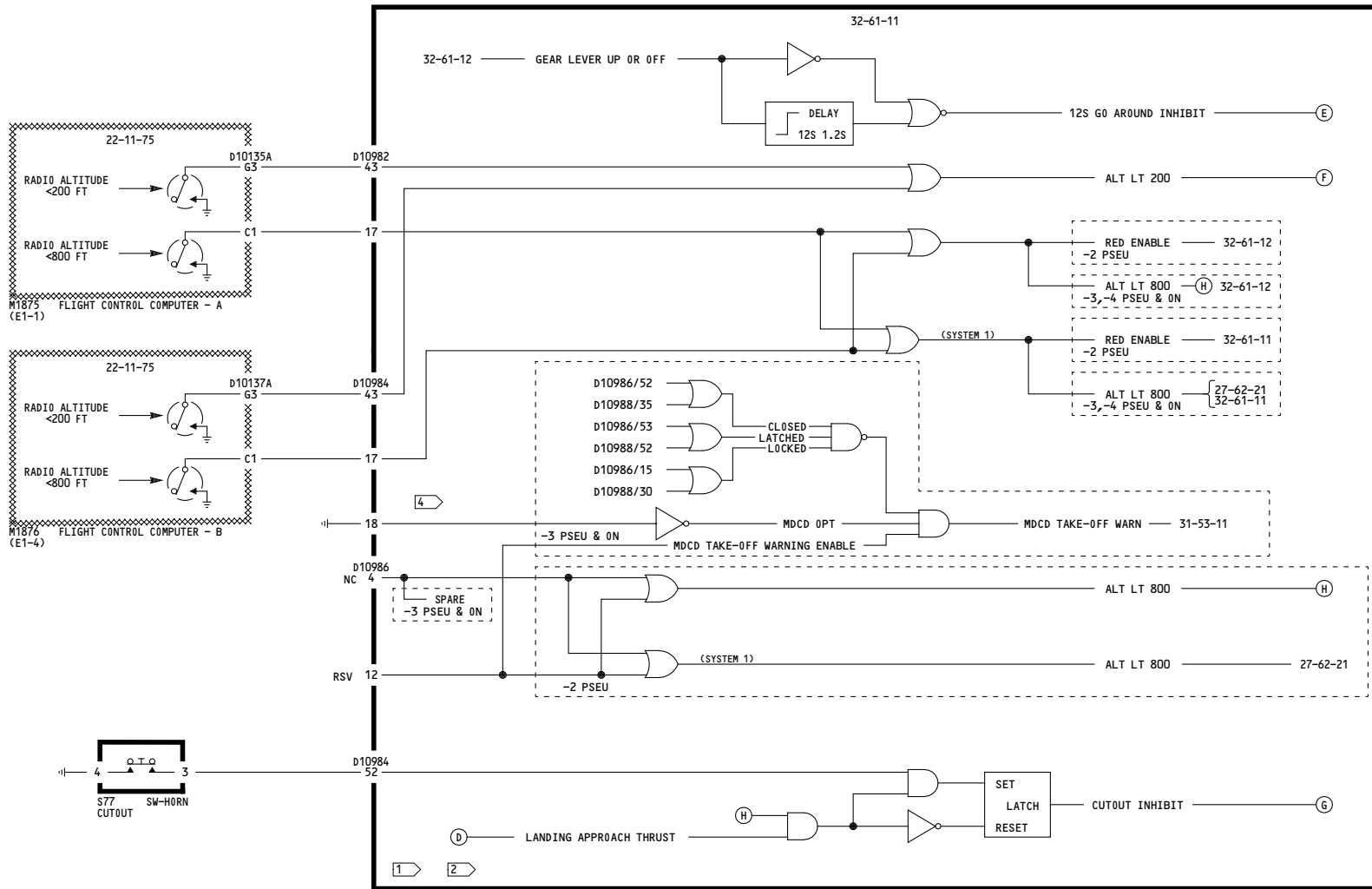
LANDING GEAR WARNING

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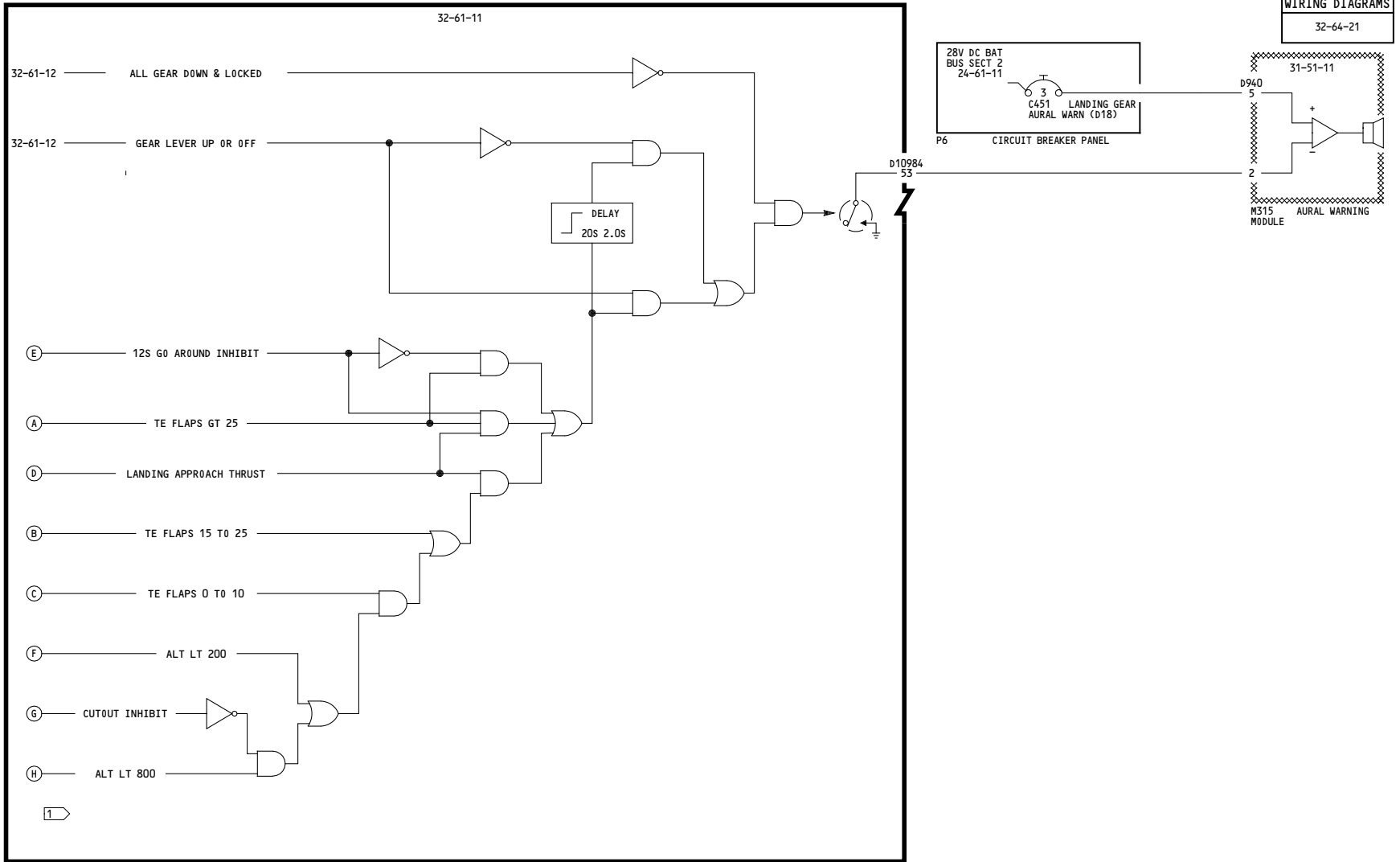
NOTES:
 4 A GROUND ON D10984/18 SIGNIFIES THERE IS NOT A MAIN DECK CARGO DOOR (MDCD).

YK911-YK912, YK919, YL401, YL427-YL429, YM651-YM652	LANDING GEAR WARNING
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YK911-YK912, YK919, YL401, YL427-YL429, YM651-YM652

LANDING GEAR WARNING

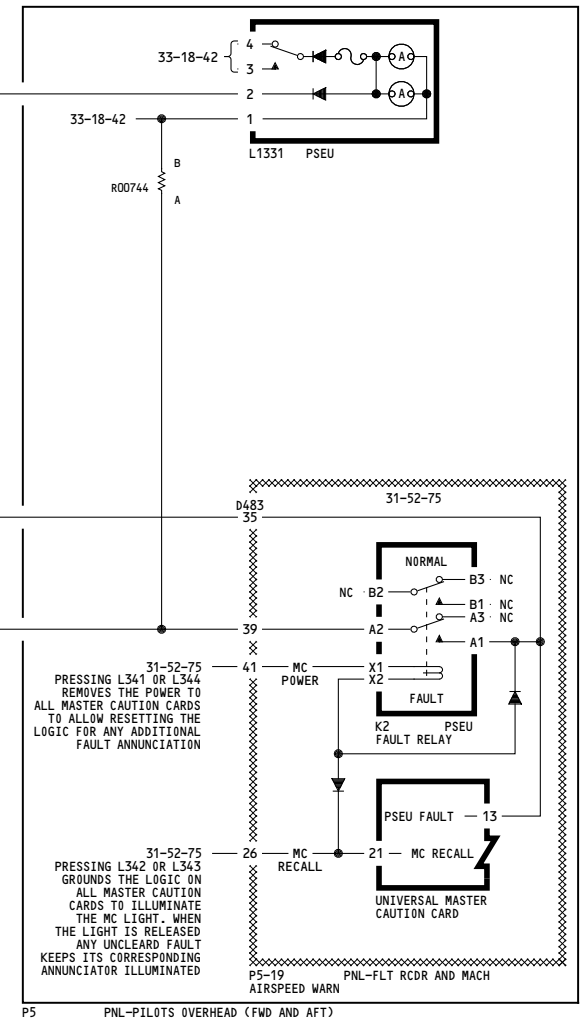
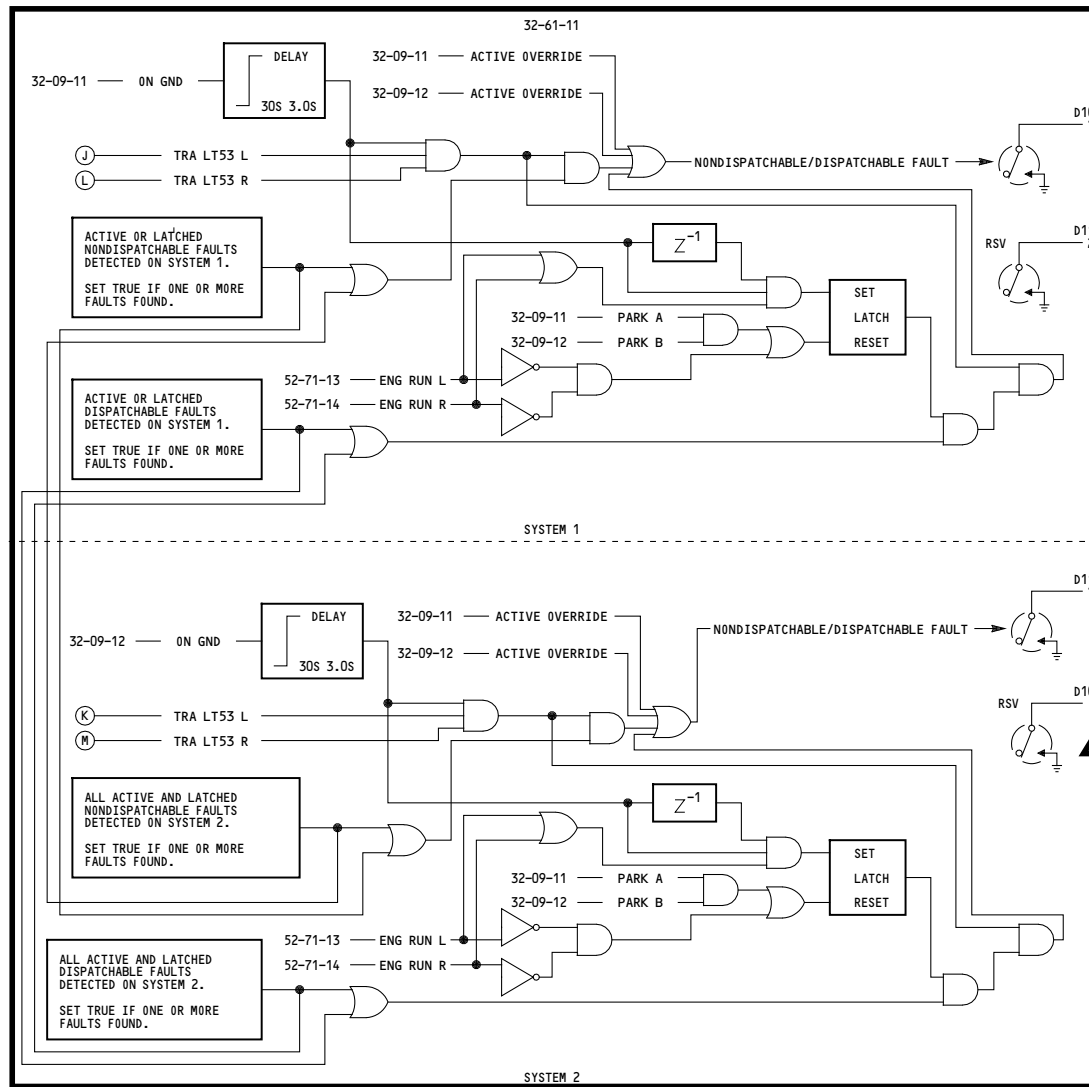
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M2061 PROXIMITY SWITCH ELECTRONICS UNIT (PSEU) (STA212 WL180 RBL20)

P5 PNL-PILOTS OVERHEAD (FWD AND AFT)

YK911-YK912, YK919, YL401, YL427-YL429, YM651-YM652

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