

CHAPTER

32

LANDING GEAR



CHAPTER 32
LANDING GEAR

CH-SC-SU	Schem	Page	Sheet	Date	CH-SC-SU	Schem	Page	Sheet	Date
32-EFFECTIVE PAGES					32-09-02 (cont.)				
		1 thru 3		May 06/2009			101	2	Jan 21/2005
		4		BLANK				3	Dec 18/2007
32-CONTENTS								4	Jan 21/2005
R		1		May 06/2009			101.1	1	Dec 18/2007
R		2		May 06/2009				2	Jan 21/2005
R		3		May 06/2009				3	Dec 18/2007
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32-ALPHABETICAL INDEX							101.2	1	Dec 18/2007
		1		Dec 18/2007				2	Jan 21/2005
		2		BLANK				3	Dec 18/2007
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R		101	1	May 06/2009			102	1	Dec 18/2007
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	32-09-01						103	1	May 06/2009
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	32-09-02				D			4	May 06/2009
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A = Added, R = Revised, D = Deleted, O = Overflow

32-EFFECTIVE PAGES



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32-30-01					32-42-01 (cont.)		101		
R		101	1	May 06/2009	R			5	May 06/2009
R			2	May 06/2009	D		102	1	May 06/2009
R			3	May 06/2009	D			2	May 06/2009
R			4	May 06/2009	D			3	May 06/2009
R			5	May 06/2009	D			4	May 06/2009
D		102	1	May 06/2009	D			5	May 06/2009
D			2	May 06/2009		32-42-03			
D			3	May 06/2009	R		101	1	May 06/2009
D			4	May 06/2009	R			2	May 06/2009
D			5	May 06/2009	D		102	1	May 06/2009
					D			2	May 06/2009
32-41-01						32-42-04			
R		101	1	May 06/2009	R		101	1	May 06/2009
R			2	May 06/2009	R			2	May 06/2009
D		102	1	May 06/2009	D		102	1	May 06/2009
D			2	May 06/2009	D			2	May 06/2009
32-42-00						32-46-01			
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32-42-01					R		101	1	May 06/2009
R		101	1	May 06/2009	R			2	May 06/2009
R			2	May 06/2009	D		102	1	May 06/2009
R			3	May 06/2009	D			2	May 06/2009
R			4	May 06/2009					

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32-61-01									
		101	1	Dec 18/2007					
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			2	Dec 18/2007					
	102	1	1	Dec 18/2007					
			2	Dec 18/2007					
D		103	1	May 06/2009					
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Title	CH-SC-SU	Schem	Page	Sheet	Date	Effectivity
LANDING GEAR						
LANDING GEAR SYSTEMS - SIMPLIFIED	32-00-00		101	1	May 06/2009	ALL
				2	May 06/2009	ALL
LANDING GEAR MULTIPLE USE SYSTEMS/COMPONENTS						
PROXIMITY SWITCH ELECTRONIC UNIT	32-09-01		101	1	May 06/2009	001-002
				2	May 06/2009	001-002
				3	May 06/2009	001-002
			102	1	Jan 21/2005	003-099
				2	Jan 21/2005	003-099
				3	Jan 21/2005	003-099
LANDING GEAR AIR/GROUND RELAYS	32-09-02		101	1	Dec 18/2007	001-002
				2	Jan 21/2005	001-002
				3	Dec 18/2007	001-002
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				3	Dec 18/2007	001
				4	Jan 21/2005	001
			101.2	1	Dec 18/2007	002
				2	Jan 21/2005	002
				3	Dec 18/2007	002
				4	Jan 21/2005	002
			102	1	Dec 18/2007	003-099

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Title	CH-SC-SU	Schem	Page	Sheet	Date	Effectivity
LANDING GEAR AIR/GROUND RELAYS (cont.)	32-09-02			2	Jan 21/2005	003-099
				3	Dec 18/2007	003-099
				4	Jan 21/2005	003-099
<u>EXTENSION AND RETRACTION</u>						
LANDING GEAR EXTENSION AND RETRACTION	32-30-01		101	1	May 06/2009	ALL
				2	May 06/2009	ALL
				3	May 06/2009	ALL
				4	May 06/2009	ALL
				5	May 06/2009	ALL
<u>HYDRAULIC BRAKE SYSTEM</u>						
BRAKE SYSTEM	32-41-01		101	1	May 06/2009	ALL
				2	May 06/2009	ALL
<u>ANTISKID/AUTOBRAKE SYSTEM</u>						
ANTI-SKID/AUTOBRAKE SYSTEM - SIMPLIFIED	32-42-00		101		May 06/2009	ALL
ANTI-SKID SYSTEM	32-42-01		101	1	May 06/2009	ALL
				2	May 06/2009	ALL
				3	May 06/2009	ALL
				4	May 06/2009	ALL
				5	May 06/2009	ALL
AUTOBRAKE SYSTEM	32-42-03		101	1	May 06/2009	ALL
				2	May 06/2009	ALL
ANTI-SKID/AUTOBRAKE - BITE	32-42-04		101	1	May 06/2009	ALL
				2	May 06/2009	ALL



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<u>BRAKE TEMPERATURE MONITORING SYSTEM</u>						
I BRAKE TEMPERATURE MONITORING SYSTEM	32-46-01		101		May 06/2009	ALL
<u>NOSE WHEEL STEERING SYSTEM</u>						
I NOSE WHEEL STEERING	32-51-01		101	1	May 06/2009	ALL
I				2	May 06/2009	ALL
<u>LANDING GEAR POSITION INDICATING AND WARNING SYSTEM</u>						
LANDING GEAR POSITION INDICATING AND WARNING	32-61-01		101	1	Dec 18/2007	001-002
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			101.1	1	Dec 18/2007	002
				2	Dec 18/2007	002
			102	1	Dec 18/2007	003-099
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**CHAPTER 32
LANDING GEAR**





CH-SC-SU	Title
32-42-01	ANTI-SKID SYSTEM
32-42-04	ANTI-SKID/AUTOBRAKE - BITE
32-42-00	ANTI-SKID/AUTOBRAKE SYSTEM - SIMPLIFIED
32-42-03	AUTOBRAKE SYSTEM
32-41-01	BRAKE SYSTEM
32-46-01	BRAKE TEMPERATURE MONITORING SYSTEM
32-09-02	LANDING GEAR AIR/GROUND RELAYS
32-30-01	LANDING GEAR EXTENSION AND RETRACTION
32-61-01	LANDING GEAR POSITION INDICATING AND WARNING
32-00-00	LANDING GEAR SYSTEMS - SIMPLIFIED
32-51-01	NOSE WHEEL STEERING
32-09-01	PROXIMITY SWITCH ELECTRONIC UNIT

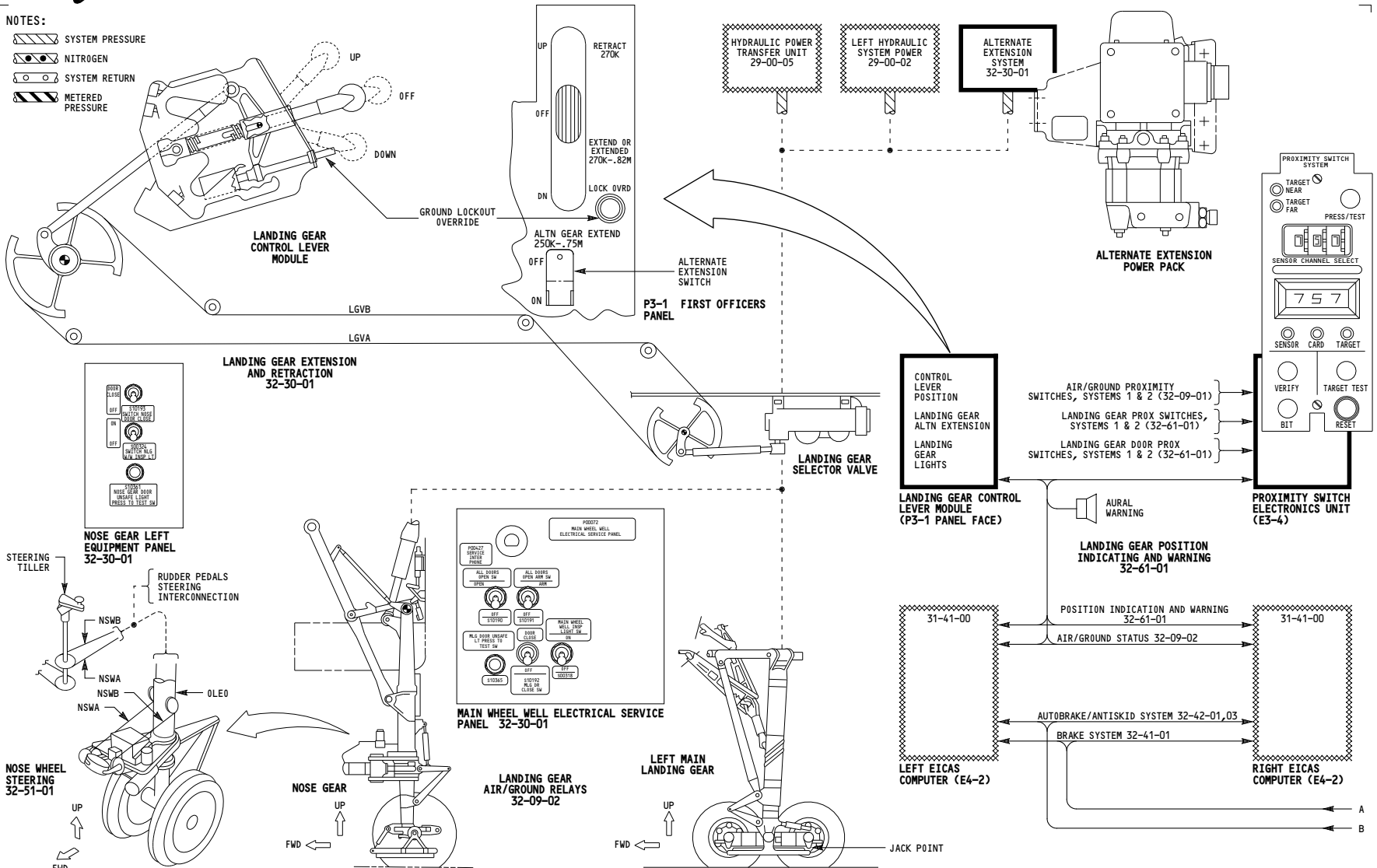
CH-SC-SU	Title
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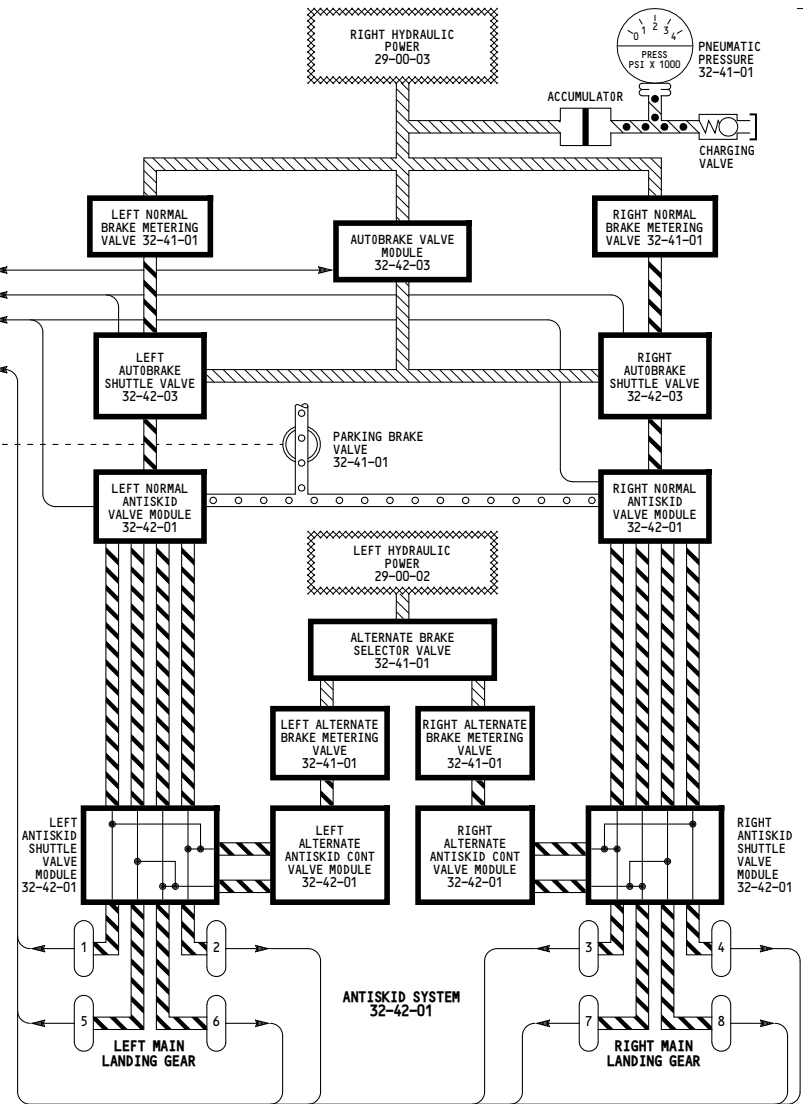
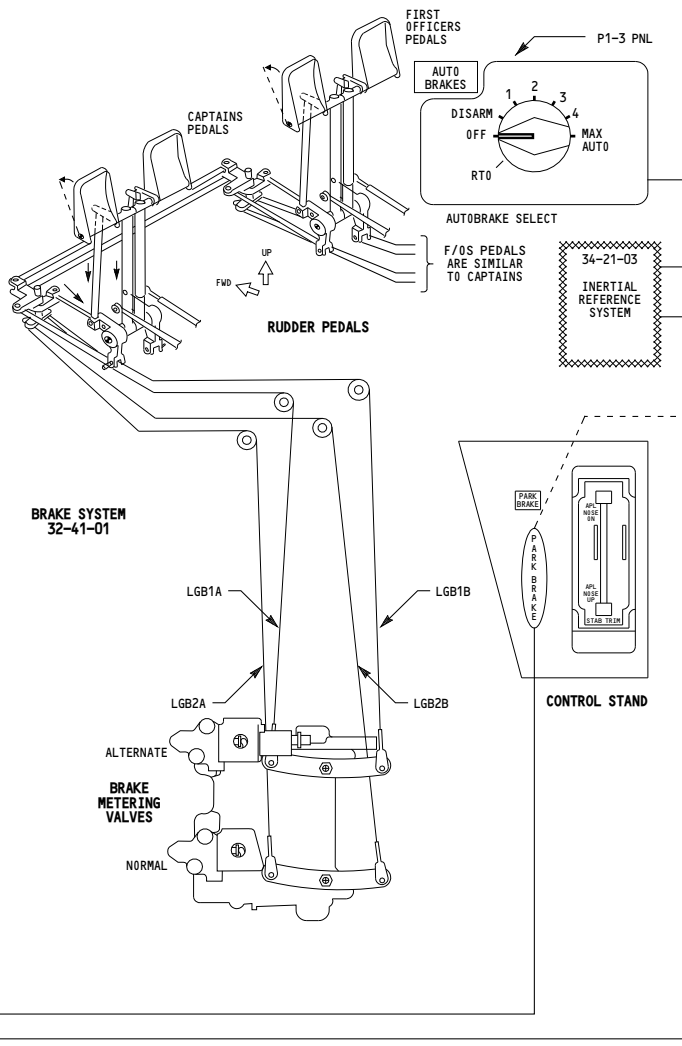
- NOTES:**
-  SYSTEM PRESSURE
 -  NITROGEN
 -  SYSTEM RETURN
 -  METERED PRESSURE



ALL	LANDING GEAR SYSTEMS - SIMPLIFIED
D280N032S	

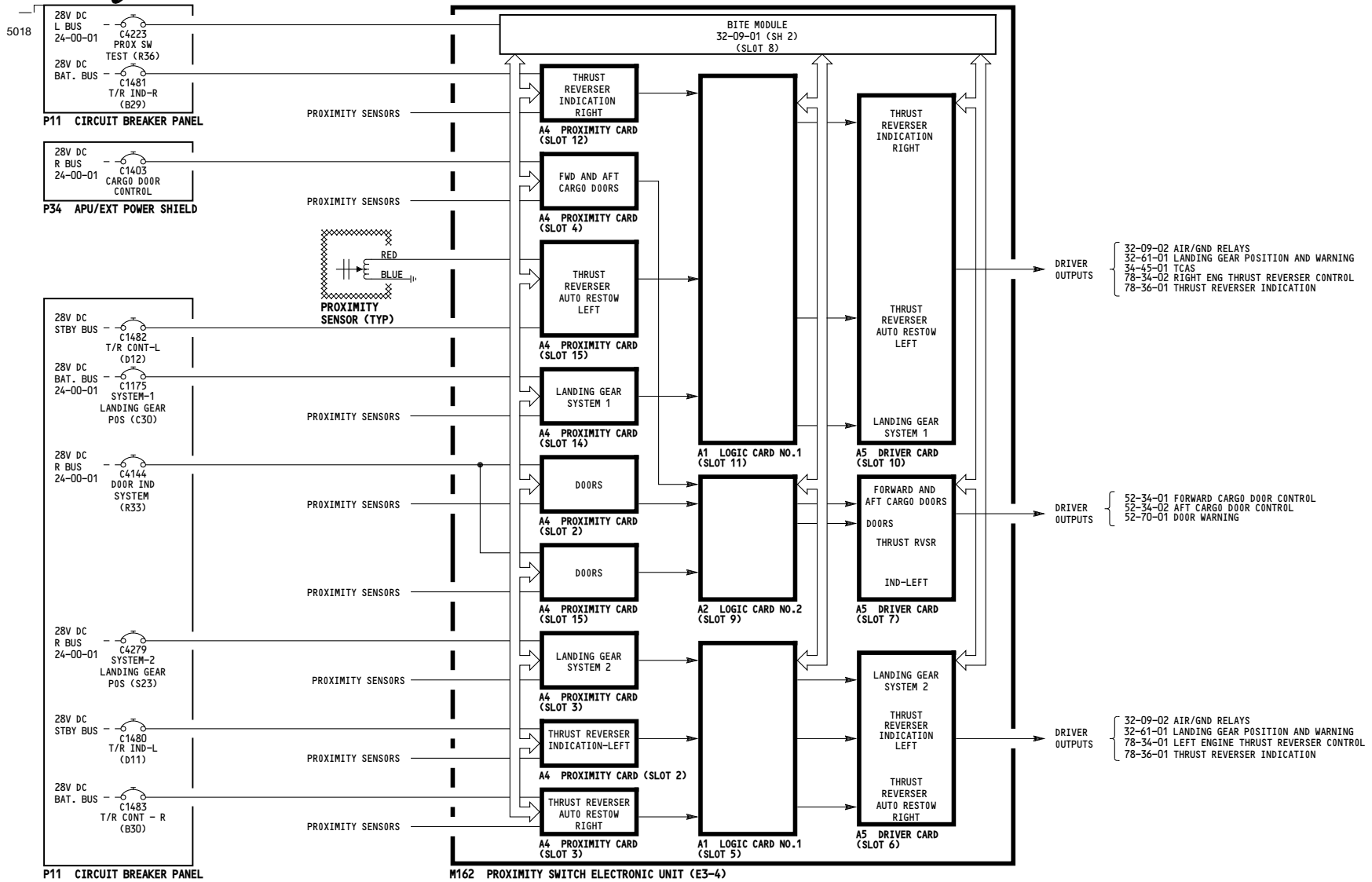
32-00-00

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ALL	<p>LANDING GEAR SYSTEMS - SIMPLIFIED</p> <p>D280N032S</p>
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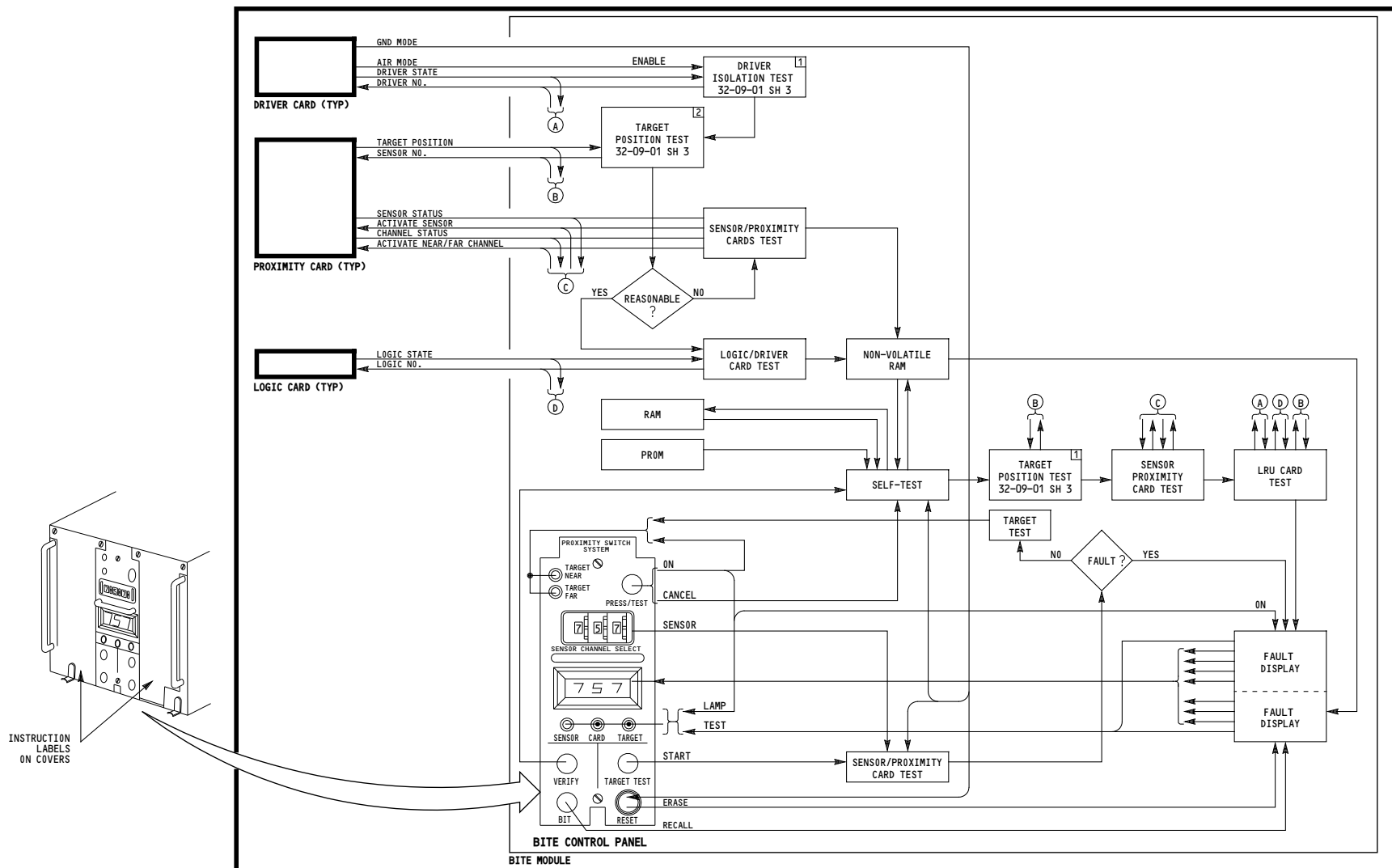
**PROXIMITY SWITCH
ELECTRONIC UNIT**

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M162(YTF) PROXIMITY SWITCH ELECTRONIC UNIT (E3-4)

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PROXIMITY SWITCH ELECTRONIC UNIT

D280N032S

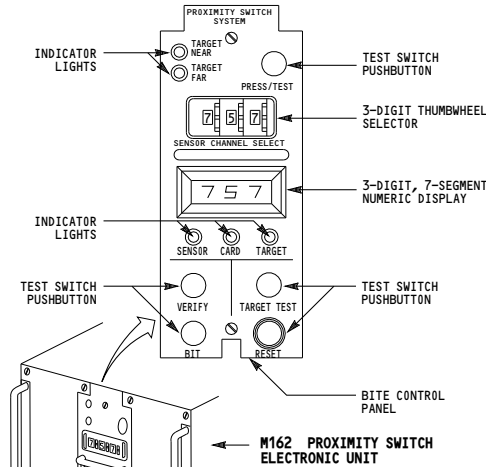
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BITE TEST LEVEL	TEST INITIATION	DISPLAY INITIATION	FAULT/TEST DESCRIPTION	FAULT/TEST DISPLAY	REMARKS
AIR MODE 1	TABLE 1 ANY LINE, ALL COLUMNS SATISFIED PRESS BIT PRESS RESET	2 PRESS BIT PRESS RESET	(A) SENSORS CHECKED FOR OPEN AND SHORT CIRCUITS (TABLE 3) (B) ELECTRONIC CIRCUITS INDIVIDUALLY TESTED. (C) TARGET DISCREPANCIES (SENSOR GROUPS) CHECKED FOR REASONABLENESS OF POSITION (TABLE 2)	LRU NO. 7 5 7 LRU TYPE SENSOR CARD TARGET	(A) SUCCESSIVE PUSHBUTTON DEPRESSION SHALL RECALL MEMORY CONTENTS ON A LAST IN-FIRST OUT BASIS. (B) "000" DISPLAYED WHEN MEMORY CONTAINS NO LRU ENTRIES OR ALL ENTRIES HAVE BEEN RECALLED. (C) MEMORY CONTENTS ERASED BY RESET BUTTON "EEE" WILL BE DISPLAYED
GROUND MODE 1	PRESS VERIFY		(A) SENSORS CHECKED FOR OPEN AND SHORT CIRCUITS (TABLE 3) (B) SENSOR CIRCUIT CHECKED FOR TARGET NEAR AND TARGET FAR MODES FUNCTIONALLY TESTED. (C) LOGIC AND OUTPUT DRIVER CIRCUITS FUNCTIONALLY TESTED. (D) TARGET DISCREPANCIES (SENSOR GROUPS) CHECKED FOR REASONABLENESS OF POSITION (TABLE 2)	LRU NO. 7 5 7 LRU TYPE SENSOR CARD TARGET	(A) WHEN A DISCREPANT LRU IS DETECTED AND IDENTIFIED, THE TEST IS INTERRUPTED AND THE LRU IS DISPLAYED AND IDENTIFIED. (B) TEST CONTINUATION INITIATED BY DEPRESSING VERIFY TEST SWITCH. (C) "999" DISPLAYED ON COMPLETION OF TEST. (D) "CCC" FLASHING INDICATES TEST IN PROGRESS.
TARGET	SELECT LRU # PRESS TARGET TEST	PRESS TARGET TEST	TARGET POSITION CHECKED WITH RESPECT TO ITS SENSOR	TARGET NEAR TARGET FAR TARGET POSITION SENSOR CARD TARGET	(A) DISPLAY SHALL BE BLANK IF INVALID LRU NO. IS SELECTED (TABLE 3) (B) CHANNEL FIRST CHECKED FOR CONTINUITY AND PROPER OPERATION, THEN FOR TARGET NEAR OR FAR
LAMP	PRESS PRESS/TEST		LAMPS AND 3-DIGIT DISPLAY TESTED	TARGET NEAR TARGET FAR 7 5 7 SENSOR CARD TARGET	(A) "888" DISPLAYED ON 3 DIGIT DISPLAY (B) AMBER LIGHTS ILLUMINATED

TABLE 2		SENSOR GROUPS FOR TARGET POSITION TEST			
REF	SYSTEM/MODE	PSEU CODE FOR SENSORS WITH		BITE	
		TARGET NEAR	TARGET FAR	IN FLIGHT	ON GROUND
52-70-01	DOOR SYSTEM: DOORS CLOSED	008, 085, 086 088, THRU 097	NONE	YES	—
32-61-01	LANDING GEAR SYSTEM NO.1 MODE: EXTENDED	241, 242, 243, 057, 065, 066, 061	238, 239, 240	YES	YES
	LANDING GEAR SYSTEM NO.2 MODE: RETRACTED	238, 239, 240, 241 242, 243, 065	057, 066, 061	YES	—
	LANDING GEAR SYTEM NO.2 MODE: EXTENDED	072, 076, 081, 070 076, 079, 074	077, 069, 073	YES	YES
32-09-02	LANDING GEAR SYSTEM NO.2 MODE: RETRACTED	078, 077, 069, 073 072, 076, 081	074, 073, 070	YES	—
	TILT SENSORS MODE: GROUND	059, 064 060, 062	067, 068	YES	—
78-36-01	TILT SENSORS MODE: AIR	067, 068	059, 064 060, 062	—	YES
	THRUST REVERSER LEFT ENGINE-MODE STOWED	164, 165(-16 PSEU) 435, 436(-17 PSEU)	166, 167(-16 PSEU) 437, 438(-17 PSEU)	YES	YES
	THRUST REVERSER RIGHT ENGINE-MODE STOWED	170, 171	172, 173	YES	YES



- NOTES:**
- AIR MODE/GROUND MODE DEFINED BY SYS 1 OR SYS 2 BOTH TRUCKS TILTED
 - ANY OF THE PUSHBUTTON SWITCHES SHALL BE PRESSED AND HELD FOR ATLEAST 0.3 SEC. BEFORE THE PUSHBUTTON INITIATED TEST COMMAND IS ACTUATED
 - REPEATEDLY PRESSING BIT SWITCH USED TO RECALL FLIGHT CODES AND TYPE INDICATION.
 - CODES APPLICABLE FOR NOTED PSEU ONLY.

REF	TABLE 1 IN FLIGHT TEST INITIATION	
	LOAD & FUNCTION	DELAY (SEC)
78-36-01	L6 EITHER ACTUATOR UNLOCKED - LEFT ENGINE	5
	L9 EITHER ACTUATOR UNLOCKED - RIGHT ENGINE	5
	L18 ANY ACCESS DOOR UNSAFE	2
52-70-01	L19 ANY CARGO DOOR UNSAFE	2
	L32 ANY ENTRY DOOR UNSAFE	2
	L33 ANY EMERGENCY DOOR UNSAFE	2
32-61-01	L44B ANY GEAR NOT IN SELECTED POSITION SYSTEM 1	60
	L65B ANY GEAR NOT IN SELECTED POSITION SYSTEM 2	60
32-09-01 32-09-02	L59A, B, C, D ON GROUND SYSTEM 2	5
	L38A, B, C, D ON GROUND SYSTEM 1	5
32-09-02	L53 NOSE GEAR COMPRESSED SYSTEM 1	5
	L74 NOSE GEAR COMPRESSED SYSTEM 2	5

TABLE 3	PROXIMITY SENSORS	SENSOR NO.	DESCRIPTION	SENSOR CODE	
CARGO DOOR CONTROL	S10350 FWD DOOR OPEN A	350			
	S10352 FWD DOOR DOWN A	352			
	S10353 FWD DOOR DOWN B	353			
	S10357 AFT DOOR OPEN A	357			
	S10359 AFT DOOR DOWN A	359			
	S10360 AFT DOOR DOWN B	360			
	THRUST REFRERER INDICATION - LEFT ENGINE				
			-17, -24 -16		
	S164 LEFT ACTUATOR LOCKED	435, 164			
	S165 RIGHT ACTUATOR LOCKED	436, 165			
	S166 LEFT COWL DEPLOYED	437, 166			
	S167 RIGHT COWL DEPLOYED	438, 167			
	THRUST REVERSER INDICATION - RIGHT ENGINE				
	S10077 NOSE GEAR UP			077	
	S10069 RIGHT GEAR UP AND LK			069	
	S10073 LEFT GEAR UP AND LK			073	
S10072 RIGHT GEAR DOOR CLOSED			072		
S10076 LEFT GEAR DOOR CLOSED			076		
S10081 NOSE GEAR DOOR CLOSED			081		
S10068 NOSE GEAR NOT COMPRESSED			068		
S10070 RIGHT GEAR ON AND LK			070		
S10078 NOSE GEAR LOCKED			078		
S10079 NOSE GEAR DOWN			079		
S10074 LEFT GEAR ON AND LK			074		
S10059 RIGHT TRUCK NOT TILTED			059		
S10064 LEFT TRUCK NOT TILTED			064		
THRUST REVERSER AUTO RESTOW - LEFT ENGINE					
		-17, -24 -16			
S10105 REVERSER STOWED LEFT	433, 105				
S10108 REVERSER STOWED RIGHT	434, 108				
THRUST REVERSER AUTO RESTOW - RIGHT ENGINE					
DOOR SYSTEMS					
S10083 FWD CARGO DOOR LOCKED			083		
S10085 FWD ACCESS DOOR LOCKED			085		
S10086 E/E ACCESS DOOR LOCKED			086		
S10088 AFT CARGO DOOR NO.1 LOCKED			088		
S10089 AFT CARGO DOOR NO.2 LOCKED			089		
S10090 RIGHT FWD DOOR LOCKED			090		
S10091 RIGHT CENTER ENRY DOOR LOCKED			091		
S10092 RIGHT EMERGENCY DOOR LOCKED			092		
S10093 RIGHT AFT ENRY DOOR LOCKED			093		
S10094 LEFT FWD ENRY DOOR LOCKED			094		
S10095 LEFT CENTER ENRY DOOR LOCKED			095		
S10096 LEFT EMERGENCY DOOR LOCKED			096		
S10097 LEFT AFT ENRY DOOR LOCKED			097		

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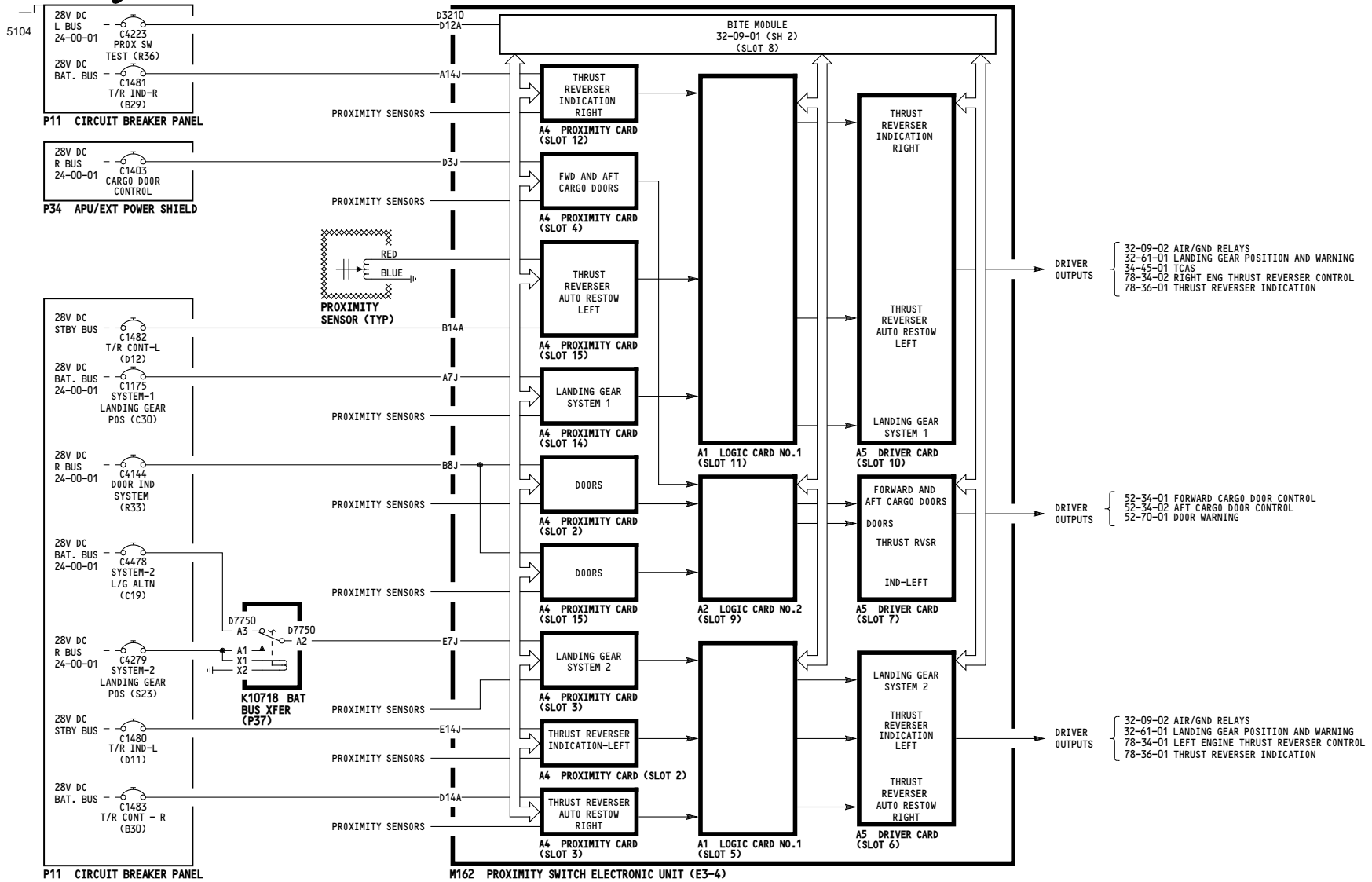
**PROXIMITY SWITCH
ELECTRONIC UNIT**

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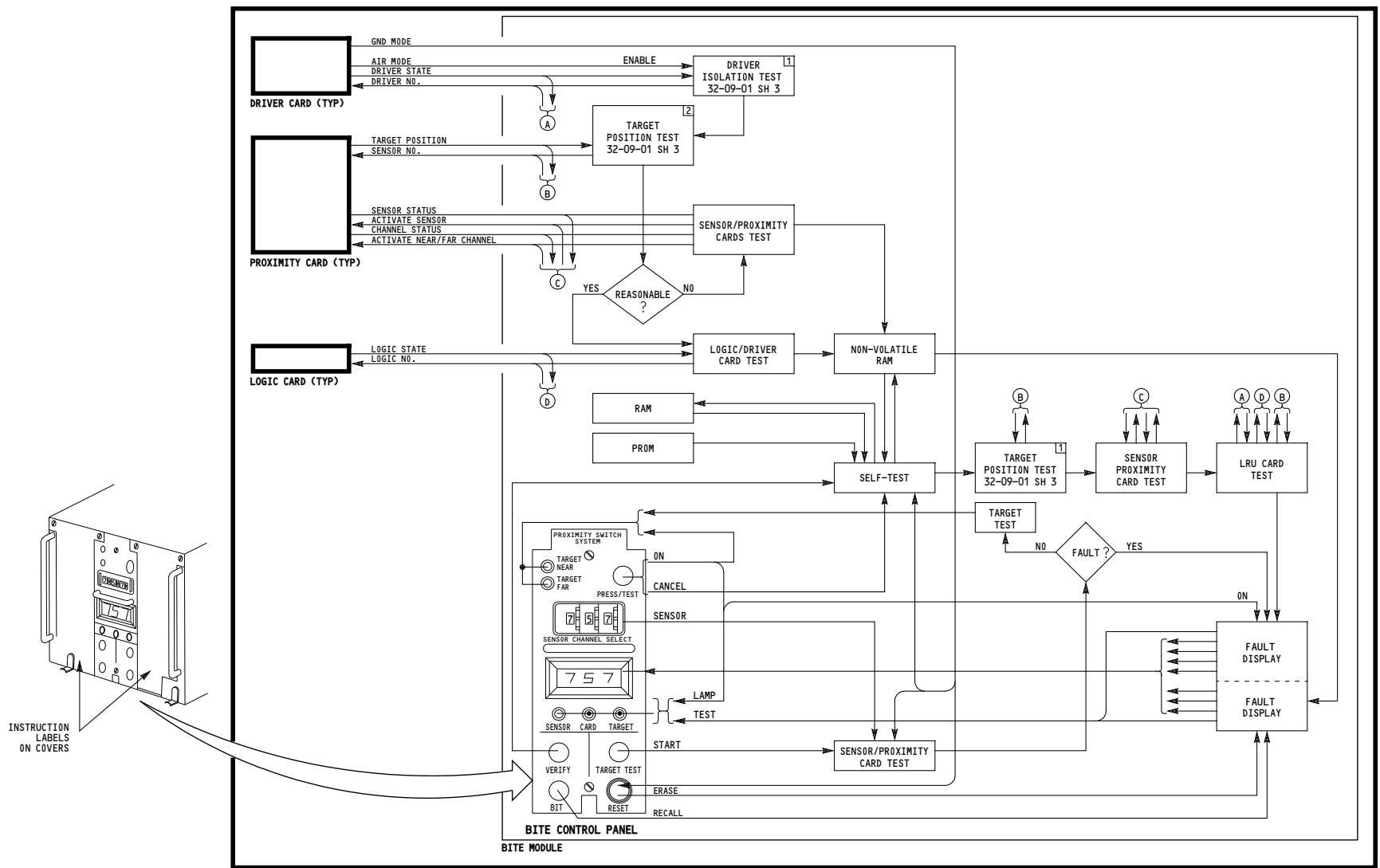
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PROXIMITY SWITCH ELECTRONIC UNIT

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M162(YTF) PROXIMITY SWITCH ELECTRONIC UNIT (E3-4)

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PROXIMITY SWITCH ELECTRONIC UNIT

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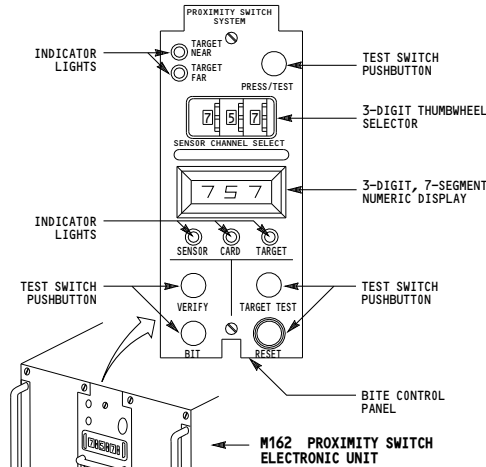
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BITE TEST LEVEL	TEST INITIATION	DISPLAY INITIATION	FAULT/TEST DESCRIPTION	FAULT/TEST DISPLAY	REMARKS
AIR MODE 1	TABLE 1 ANY LINE, ALL COLUMNS SATISFIED	2 PRESS BIT PRESS RESET	(A) SENSORS CHECKED FOR OPEN AND SHORT CIRCUITS (TABLE 3) (B) ELECTRONIC CIRCUITS INDIVIDUALLY TESTED. (C) TARGET DISCREPANCIES (SENSOR GROUPS) CHECKED FOR REASONABLENESS OF POSITION (TABLE 2)	LRU NO. 7 5 7 LRU TYPE SENSOR CARD TARGET	(A) SUCCESSIVE PUSHBUTTON DEPRESSION SHALL RECALL MEMORY CONTENTS ON A LAST IN-FIRST OUT BASIS. (B) "000" DISPLAYED WHEN MEMORY CONTAINS NO LRU ENTRIES OR ALL ENTRIES HAVE BEEN RECALLED. (C) MEMORY CONTENTS ERASED BY RESET BUTTON "EEE" WILL BE DISPLAYED
GROUND MODE 1	PRESS VERIFY		(A) SENSORS CHECKED FOR OPEN AND SHORT CIRCUITS (TABLE 3) (B) SENSOR CIRCUIT CHECKED FOR TARGET NEAR AND TARGET FAR MODES FUNCTIONALLY TESTED. (C) LOGIC AND OUTPUT DRIVER CIRCUITS FUNCTIONALLY TESTED. (D) TARGET DISCREPANCIES (SENSOR GROUPS) CHECKED FOR REASONABLENESS OF POSITION (TABLE 2)	LRU NO. 7 5 7 LRU TYPE SENSOR CARD TARGET	(A) WHEN A DISCREPANT LRU IS DETECTED AND IDENTIFIED, THE TEST IS INTERRUPTED AND THE LRU IS DISPLAYED AND IDENTIFIED. (B) TEST CONTINUATION INITIATED BY DEPRESSING VERIFY TEST SWITCH. (C) "999" DISPLAYED ON COMPLETION OF TEST. (D) "CCC" FLASHING INDICATES TEST IN PROGRESS.
TARGET	SELECT LRU # SENSOR CHANNEL SELECT	PRESS TARGET TEST	TARGET POSITION CHECKED WITH RESPECT TO ITS SENSOR	TARGET NEAR TARGET FAR TARGET POSITION	(A) DISPLAY SHALL BE BLANK IF INVALID LRU NO. IS SELECTED (TABLE 3) (B) CHANNEL FIRST CHECKED FOR CONTINUITY AND PROPER OPERATION, THEN FOR TARGET
LAMP	PRESS PRESS/TEST		LAMPS AND 3-DIGIT DISPLAY TESTED	TARGET NEAR TARGET FAR SENSOR CARD TARGET	(A) "888" DISPLAYED ON 3 DIGIT DISPLAY (B) AMBER LIGHTS ILLUMINATED

REF	SYSTEM/MODE	PSEU CODE FOR SENSORS WITH		BITE	
		TARGET NEAR	TARGET FAR	IN FLIGHT	ON GROUND
52-70-01	DOOR SYSTEM: DOORS CLOSED	008, 085, 086 088, THRU 097	NONE	YES	—
32-61-01	LANDING GEAR SYSTEM NO.1 MODE: EXTENDED	241, 242, 243, 057, 065, 066, 061	238, 239, 240	YES	YES
	LANDING GEAR SYSTEM NO.2 MODE: RETRACTED	238, 239, 240, 241 242, 243, 065	057, 066, 061	YES	—
	LANDING GEAR SYTEM NO.2 MODE: EXTENDED	072, 076, 081, 070 076, 079, 074	077, 069, 073	YES	YES
32-09-02	TILT SENSORS MODE: GROUND	059, 064 060, 062	067, 068	YES	—
	TILT SENSORS MODE: AIR	067, 068	059, 064 060, 062	—	YES
78-36-01	THRUST REVERSER LEFT ENGINE-MODE STOWED	164, 165(-16 PSEU) 435, 436(-17 PSEU)	166, 167(-16 PSEU) 437, 438(-17 PSEU)	YES	YES
	THRUST REVERSER RIGHT ENGINE-MODE STOWED	170, 171	172, 173	YES	YES



- NOTES:**
- AIR MODE/GROUND MODE DEFINED BY SYS 1 OR SYS 2 BOTH TRUCKS TILTED
 - ANY OF THE PUSHBUTTON SWITCHES SHALL BE PRESSED AND HELD FOR ATLEAST 0.3 SEC. BEFORE THE PUSHBUTTON INITIATED TEST COMMAND IS ACTUATED
 - REPEATEDLY PRESSING BIT SWITCH USED TO RECALL FLIGHT CODES AND TYPE INDICATION.
 - CODES APPLICABLE FOR NOTED PSEU ONLY.

REF	TABLE 1 IN FLIGHT TEST INITIATION	
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78-36-01	L6 EITHER ACTUATOR UNLOCKED - LEFT ENGINE	5
	L9 EITHER ACTUATOR UNLOCKED - RIGHT ENGINE	5
	L18 ANY ACCESS DOOR UNSAFE	2
52-70-01	L19 ANY CARGO DOOR UNSAFE	2
	L32 ANY ENTRY DOOR UNSAFE	2
	L33 ANY EMERGENCY DOOR UNSAFE	2
32-61-01	L44B ANY GEAR NOT IN SELECTED POSITION SYSTEM 1	60
	L65B ANY GEAR NOT IN SELECTED POSITION SYSTEM 2	60
32-09-01 32-09-02	L59A, B, C, D ON GROUND SYSTEM 2	5
	L38A, B, C, D ON GROUND SYSTEM 1	5
	L53 NOSE GEAR COMPRESSED SYSTEM 1	5
	L74 NOSE GEAR COMPRESSED SYSTEM 2	5

SENSOR NO.	DESCRIPTION	SENSOR CODE	SENSOR NO.	DESCRIPTION	SENSOR CODE
CARGO DOOR CONTROL					
LANDING GEAR SYSTEM 1					
S10238	NOSE GEAR UP	238	S10239	RIGHT GEAR UP AND LK	239
S10352	FWD DOOR DOWN A	352	S10240	LEFT GEAR UP AND LK	240
S10353	FWD DOOR DOWN B	353	S10241	RIGHT GEAR DOOR CLOSED	241
S10357	AFT DOOR OPEN A	357	S10242	LEFT GEAR DOOR CLOSED	242
S10359	AFT DOOR DOWN A	359	S10243	NOSE GEAR DOOR CLOSED	243
S10360	AFT DOOR DOWN B	360	S10067	NOSE GEAR NOT COMPRESSED	067
THRUST REFRERSEN INDICATION - LEFT ENGINE					
-17, -24 -16					
S164	LEFT ACTUATOR LOCKED	435, 164	S10057	RIGHT GEAR ON AND LK	057
S165	RIGHT ACTUATOR LOCKED	436, 165	S10065	NOSE GEAR LOCKED	065
S166	LEFT COWL DEPLOYED	437, 166	S10066	NOSE GEAR DOWN	066
S167	RIGHT COWL DEPLOYED	438, 167	S10061	LEFT GEAR ON AND LK	061
THRUST REVERSER INDICATION - RIGHT ENGINE					
-17, -24 -16					
S10105	REVERSER STOWED LEFT	433, 105	S10060	RIGHT TRUCK NOT TILTED	060
S10108	REVERSER STOWED RIGHT	434, 108	S10062	LEFT TRUCK NOT TILTED	062
LANDING GEAR SYSTEM 2					
S10077	NOSE GEAR UP	077	S10069	RIGHT GEAR UP AND LK	069
S10073	LEFT GEAR UP AND LK	073	S10072	RIGHT GEAR DOOR CLOSED	072
S10072	RIGHT GEAR DOOR CLOSED	072	S10076	LEFT GEAR DOOR CLOSED	076
S10076	LEFT GEAR DOOR CLOSED	076	S10081	NOSE GEAR DOOR CLOSED	081
S10081	NOSE GEAR DOOR CLOSED	081	S10068	NOSE GEAR NOT COMPRESSED	068
S10068	NOSE GEAR NOT COMPRESSED	068	S10070	RIGHT GEAR ON AND LK	070
S10070	RIGHT GEAR ON AND LK	070	S10078	NOSE GEAR LOCKED	078
S10078	NOSE GEAR LOCKED	078	S10079	NOSE GEAR DOWN	079
S10079	NOSE GEAR DOWN	079	S10074	LEFT GEAR ON AND LK	074
S10074	LEFT GEAR ON AND LK	074	S10059	RIGHT TRUCK NOT TILTED	059
S10059	RIGHT TRUCK NOT TILTED	059	S10064	LEFT TRUCK NOT TILTED	064
S10064	LEFT TRUCK NOT TILTED	064	DOOR SYSTEMS		
S10083	FWD CARGO DOOR LOCKED	083	S10085	FWD ACCESS DOOR LOCKED	085
S10085	FWD ACCESS DOOR LOCKED	085	S10086	E/E ACCESS DOOR LOCKED	086
S10086	E/E ACCESS DOOR LOCKED	086	S10088	AFT CARGO DOOR NO.1 LOCKED	088
S10088	AFT CARGO DOOR NO.1 LOCKED	088	S10089	AFT CARGO DOOR NO.2 LOCKED	089
S10089	AFT CARGO DOOR NO.2 LOCKED	089	S10090	RIGHT FWD DOOR LOCKED	090
S10090	RIGHT FWD DOOR LOCKED	090	S10091	RIGHT CENTER ENRY DOOR LOCKED	091
S10091	RIGHT CENTER ENRY DOOR LOCKED	091	S10092	RIGHT EMERGENCY DOOR LOCKED	092
S10092	RIGHT EMERGENCY DOOR LOCKED	092	S10093	RIGHT AFT ENRY DOOR LOCKED	093
S10093	RIGHT AFT ENRY DOOR LOCKED	093	S10094	LEFT FWD ENRY DOOR LOCKED	094
S10094	LEFT FWD ENRY DOOR LOCKED	094	S10095	LEFT CENTER ENRY DOOR LOCKED	095
S10095	LEFT CENTER ENRY DOOR LOCKED	095	S10096	LEFT EMERGENCY DOOR LOCKED	096
S10096	LEFT EMERGENCY DOOR LOCKED	096	S10097	LEFT AFT ENRY DOOR LOCKED	097
S10097	LEFT AFT ENRY DOOR LOCKED	097			

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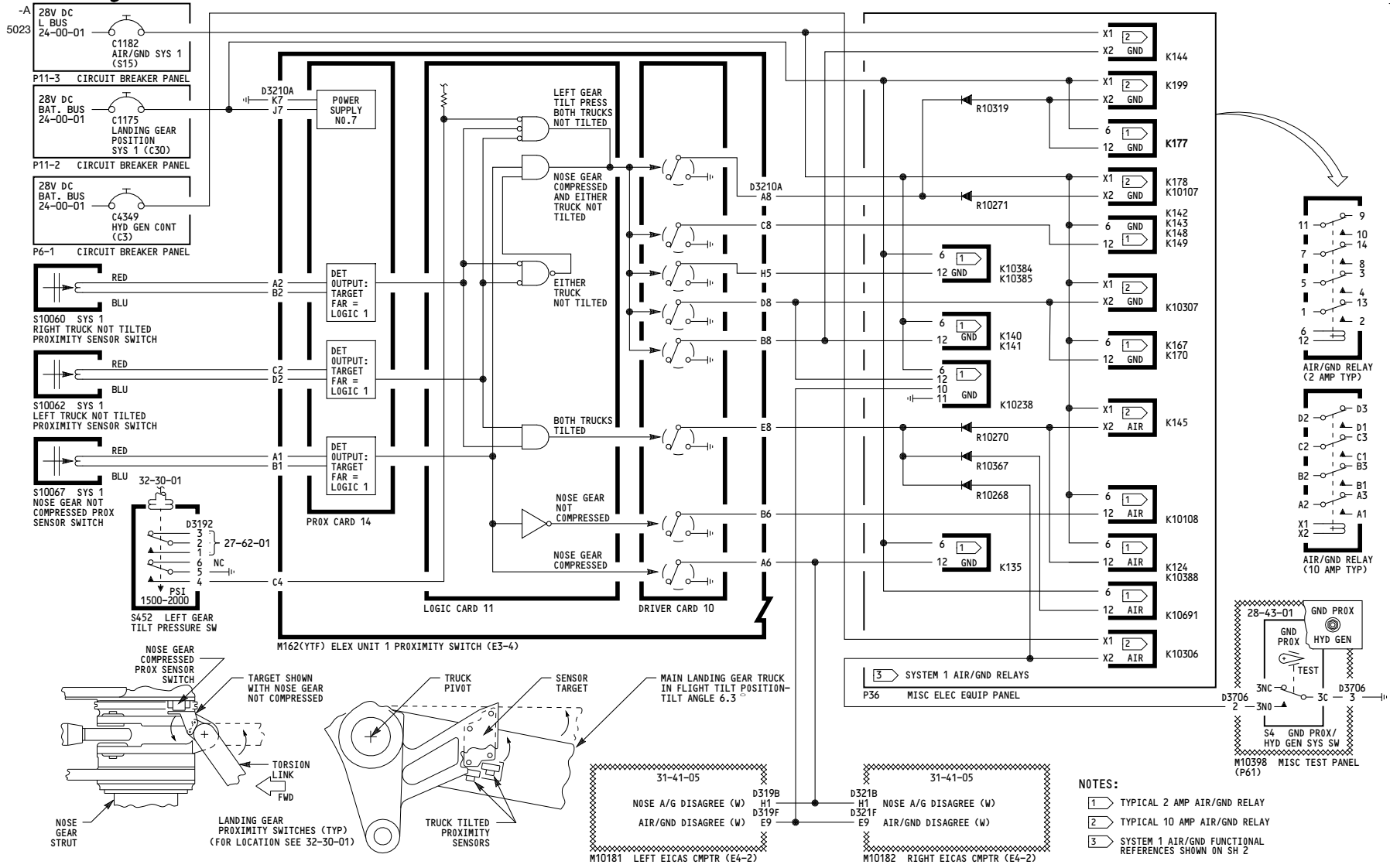
PROXIMITY SWITCH ELECTRONIC UNIT

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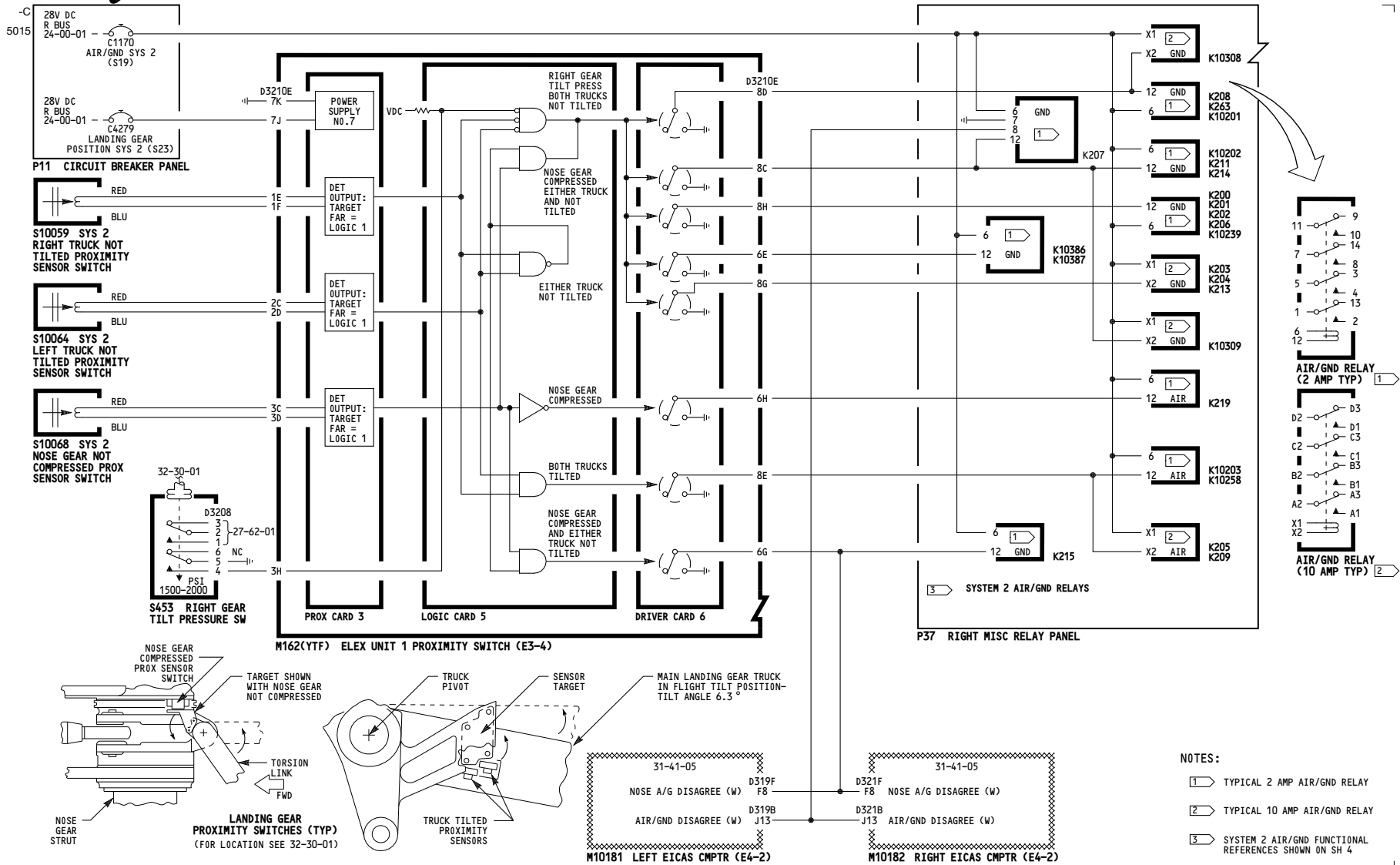
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RELAY	POLE			NORMAL SYSTEM FUNCTION		REFERENCE SCHEMATIC	
	ENERGIZED	C	NC	NO			
K124 D582 AIR	5	3	4		ACARS INPUT	23-22-01	
	1	13	2		ENABLES L RECIRC FAN	21-25-01	
	7	14	8		INHIBITS EQUIP COOL. GND HORN	21-58-01	
K135 D1780 GND	11	9	10		PROVIDES "ON GND" INPUT TO CSEU	PROVIDES "IN AIR" INPUT TO CSEU	27-09-06
	7	14	8		ENABLES L STALL WARNING		27-32-01
	5	3	4		ENABLES VOICE RCDR ERASE (BRAKES SET)		23-71-01
	1	13	2		INHIBITS TAKE OFF WARNING		31-51-05
K140 D584 GND	11	9	10		ENABLES EICAS MAINT FUNCTION		31-41-01
	5	3	4		DRIVES COOLING DOORS FULL OPEN	INHIBITS L PACK TEMP CONTROL BITE	21-51-03
	1	13	2		PROVIDES INPUT TO L FUEL QTY PROCESSOR	PROVIDES INPUT TO L FUEL QTY PROCESSOR	28-41-01
K141 D586 GND	7	14	8		ENABLES P3-3 MD&T AND P1-3 MD&T		33-16-02
	1	13	2			INHIBITS ZONE TEMP CONT BITE	21-61-01
K142 D588 GND	11	9	10	}	PROVIDES "ON GND" INPUT TO MCDP	PROVIDES "IN AIR" INPUT TO MCDP	22-41-01
	7	14	8				22-41-01
	5	3	4	}	PROVIDES "ON GND" INPUT TO FCC	PROVIDES "IN AIR" INPUT TO FCC	22-14-01
	1	13	2				22-14-01
K143 D590 GND	11	9	10		PROVIDES INPUT TO L ATC TRANSPONDER BITE MEM		34-53-01
	7	14	8		PROVIDES INPUT TO C RAD ALTM AND ILS BITE		34-33-03
	5	3	4		ARMS TAT PROBE FAULT IND DURING TEST	ARMS TAT PROBE HEAT FAULT IND	30-33-01
	1	13	2		PROVIDES "ON GND" INPUT TO TMC		22-32-01
K144 D592 GND	C2	C3	C1		INHIBITS A0A HEAT (ENGS RUNNING)	ENABLES L A0A HEAT	30-32-01
K145 D594 AIR	D2	D3	D1			ENABLES CAPT FOOT HEATER	21-45-01
	B2	B3	B1		ENABLES AUTO APU FIRE EXT (ENGS RUNNING)		26-22-01
K148 D600 GND	5	3	4		ENABLES R REV THRUST FAULT ISLN VALVE IND		78-36-01
	11	9	10		ENABLES AIR DATA CMPTR TEST		34-12-01
	7	14	8			INHIBITS TAKEOFF WARNING	31-51-03
	1	13	2			INHIBITS EQUIP COOL TEST FUNCTIONS	21-58-03
K149 D602 GND	11	9	10		ENABLES STALL WARN SELF TEST		27-32-01
	5	3	4		ENABLES ELEC LOAD SHED		24-51-15
	1	13	2		ENABLES L FWD FUEL BOOST PUMP AUTO OPERATION WITH SWITCH OFF (APU ON)		28-25-01
K167 D1782 GND	7	14	8			PROVIDES INPUT TO L RAD ALTM, ILS, VOR, DME AND ADF BITE	34-33-01
	5	3	4		ENABLES AUTO SPEEDBRAKE		27-62-01
	1	13	2		R PACK OFF CONFIG - INLET DOOR FULL OPEN PACK CONTROL VALVE CLOSED	R PACK OFF CONFIG - INLET DOOR CLOSED PACK CONTROL VALVE OPEN	21-51-05

RELAY	POLE			NORMAL SYSTEM FUNCTION		REFERENCE SCHEMATIC	
	ENERGIZED	C	NC	NO			
K170 D604 GND	11	9	10		ENABLES MD&T FOR P3-1 AND P3-3		33-16-02
	7	14	8		ENABLES THRUST REVERSERS		78-34-01
K177 D606 GND	11	9	10		ENABLES MD&T FOR P3-1 AND P3-3		33-16-02
	5	3	4		ENABLES THRUST REVERSERS		78-34-01
	D2	D3	D1			ENABLES R AUX P/S FAULT IND	30-31-02
K178 D608 GND	C2	C3	C1			ENABLES F/O P/S FAULT IND	30-31-02
	B2	B3	B1		ENABLES F/O AND R AUX P/S LO HT		30-31-02
	A2	A3	A1			PROVIDE P1 PROBE HEAT IND	30-34-01
	D2	D3	D1		ALLOWS C RUD/ELEV SOV TO CLOSE		29-00-04
K199 D598 GND	C2	C3	C1		ENABLES THRUST REVERSERS		78-34-01
	B2	B3	B1		ENGINE CONTROL - LOW IDLE	ENABLES HIGH IDLE WITH LANDING FLAPS	73-21-03
	A2	A3	A1		ENABLES THRUST REVERSERS OPERATION	INHIBIT THRUST REVERSERS	78-34-01
	D2	D3	D1		ALLOWS L RUD/ELEV SOV TO CLOSE		29-00-02
K10107 D596 GND	C2	C3	C1		ENABLES F/O & R AUX P/S LO HT		30-31-02
	A2	A3	A1			ENABLE P1 PROBE HEAT	30-34-01
K10108 D1784 AIR	11	9	10		PROVIDES INPUT TO BUS PWR CONTROL UNIT	PROVIDES INPUT TO BUS POWER CONTROL UNIT	24-22-08
	7	14	8			INHIBITS AURAL WARNING DURING TAKE OFF	31-51-07
	1	13	2		ENABLES MASTER FIRE WRN ON TAKE OFF	INHIBITS MASTER FIRE WARNING DURING TAKE OFF	31-51-02
K10238 D2754 GND	11	9	10		PROVIDES "ON GND" INPUT TO EICAS		32-09-02
	7	14	8		PROVIDES "ON GND" INPUT TO L FMC	PROVIDES "IN AIR" INPUT TO L FMC	34-61-07
	5	3	4		INPUT TO CABIN PRESSURE CONTROL		21-32-01
K10307 D4184 GND	D2	D3	D1			ENABLES CAPT P/S FAULT IND	30-31-01
	C2	C3	C1			ENABLES L AUX P/S FAULT IND	30-31-01
	B2	B3	B1		ENABLES CAPT AND L AUX P/S LOW HT	ENABLES CAPT P/S HI HT	30-31-01
K10384 D4706 GND	A2	A3	A1		ENABLES CAPT AND L AUX P/S LO HT		30-31-01
	5	3	4		INHIBITS RAM AIR TURBINE DEPLOYMENT		29-00-04
K10385 D4708 GND	1	13	2		PROVIDES "ON GND" INPUT TO CSEU	PROVIDES "IN AIR" INPUT TO CSEU	27-09-06
	7	14	8	}	PROVIDES "ON GND" INPUT TO CSEU (MULTI FUNCTIONS)	PROVIDES "IN AIR" INPUT TO CSEU (MULTI FUNCTION)	27-09-06
	5	3	4				27-09-06
	1	13	2				27-09-06
K10388 D4510 AIR	11	9	10			PROVIDES INPUT TO L VHF BITE	23-12-01
	5	3	4		PROVIDES "ON GND" INPUT TO RUD/ELEV PCU MONITOR	PROVIDES "IN AIR" INPUT TO RUD/ELEV PCU MONITOR	27-23-01
	1	13	2		ENABLES AUTO BRAKES AFTER WHEEL SPIN UP		32-42-03
K10306 D4182 AIR	A2	A3	A1			ENABLES AUX POWER	24-25-01

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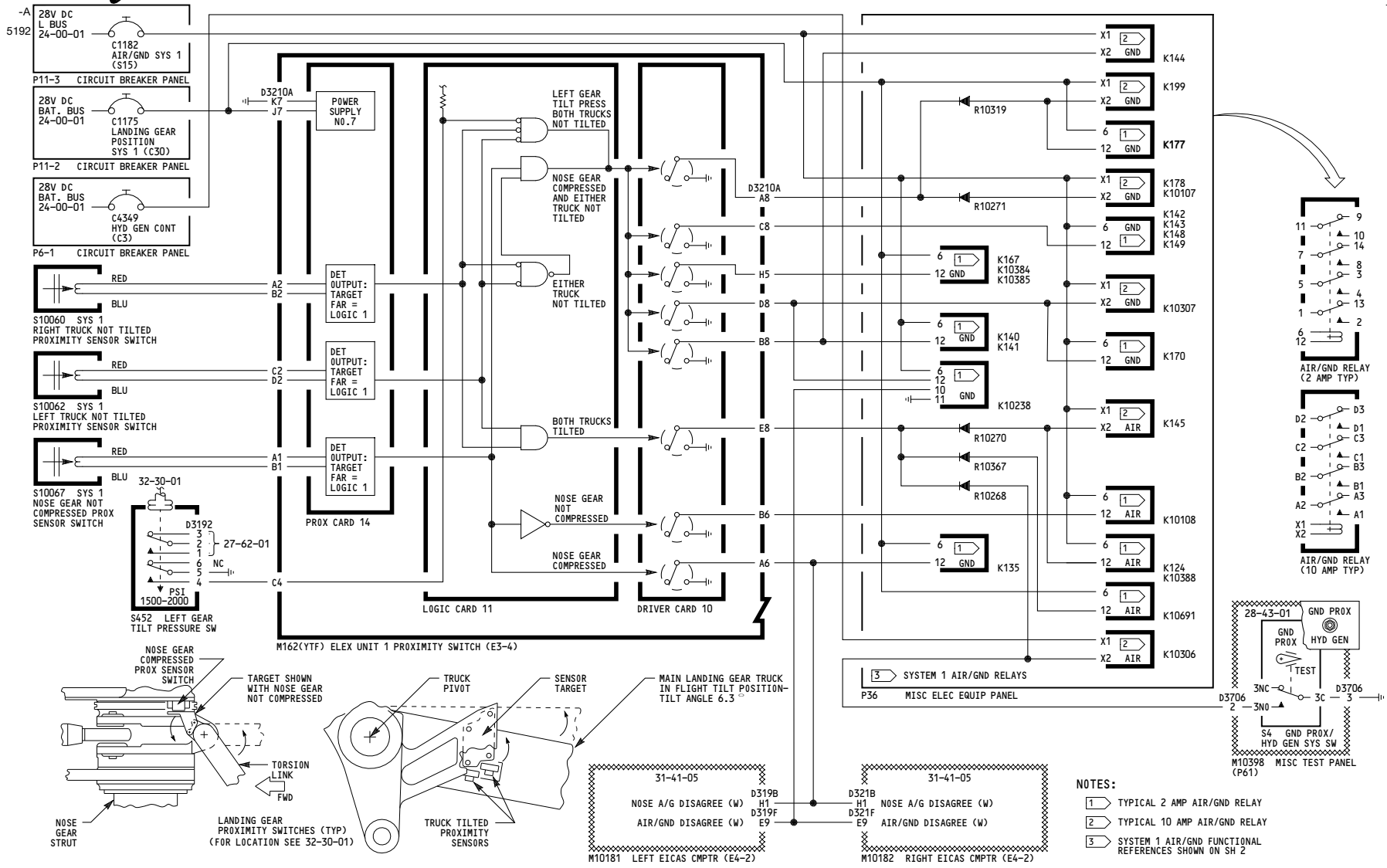
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RELAY ENERGIZED	POLE			NORMAL SYSTEM FUNCTION		REFERENCE SCHEMATIC
	C	NC	NO	ON GROUND	IN AIR	
K200 D610 GND	11	9	10		PROVIDES INPUT TO FUEL QUANTITY PROCESSOR	28-41-01
	7	14	8	PROVIDES "ON GND" INPUT TO R FMC	PROVIDES "IN AIR" INPUT TO R FMC	34-61-07
K201 D612 GND	11	9	10		AFT EQUIP EXHAUST FAN SWITCHING	21-58-04
	7	14	8		PROVIDES INPUT TO R ATC TRANSPONDER BITE MEM	34-53-02
	1	13	2		PROVIDES INPUT TO VHF COMM	23-12-01
K202 D614 GND	11	9	10	} PROVIDES "ON GND" INPUT TO MCDP	PROVIDES "IN AIR" INPUT TO MCDP	} 22-41-01
	7	14	8			
	5	3	4			22-14-01
	1	13	2			22-14-01
K203 D616 GND	C2	C3	C1	ALLOWS R SYS RUD/ELEV HYD SOV TO CLOSE		29-00-03
	B2	B3	B1	INHIBITS TAT PROBE HEAT EXC DURING TEST	ENABLES TAT PROBE HEAT	30-33-01
	A2	A3	A1	ENABLES THRUST REVERSERS	INHIBITS THRUST REVERSERS OPERATION	78-34-02
K204 D618 GND	B2	B3	B1	PROVIDES INPUT FOR REDUCED PROBE HEAT		30-31-01
	A2	A3	A1	ENABLES WING ANTI-ICE TEST	ENABLES WING ANTI-ICE	30-11-01
K205 D620 AIR	C2	C3	C1	ENABLES DRAIN MAST LO HEAT	ENABLES DRAIN MAST HI HEAT	30-71-01
	B2	B3	B1		ENABLES F/O FOOT HEATER	21-45-01
K206 D622 GND	11	9	10	INHIBITS DFDR OPERATION (ENG RUNNING. SW IN NORM)		31-31-01
	1	13	2		SWITCHES GND POWER	24-51-50
K207 D624 GND	5	3	4		ENABLES STALL WARNING	27-32-02
	11	9	10	PROVIDES PRESS. OUTFLOW VALVE FULL OPEN	ENABLES AUTO 2 CABIN PRESS.	21-31-02
	1	13	2	ENABLES AIR DATA CMPTR TEST		34-12-02
	7	4	8	PROVIDES "ON GND" FOR EICAS		32-09-02
K208 D1868 GND	7	14	8	PROVIDES "ON GND" INPUT TO DFDAU	PROVIDES "IN AIR" INPUT TO DFDAU	31-31-01
	5	3	4		PROVIDES INPUT TO GPWS BITE	34-46-01
	1	13	2	L PACK OFF CONFIG - INLET DOOR FULL OPEN PACK CONTROL VALVE CLOSED	L PACK OFF CONFIG - INLET DOOR CLOSED PACK CONTROL VALVE OPEN	21-51-06
K209 D626 AIR	A2	A3	A1		ENABLES LDG GEAR CONTROL LEVER UP	32-30-01
	7	14	8	ENABLES AUTO SPEEDBRAKE		27-62-01
K211 D630 GND	1	13	2	L PACK-HI FLOW CONTROL WITH APU OR GND AIR		21-51-01
	A2	A3	A1		ENABLES P2/T2 PROBE HEAT - R	30-34-01
K213 D634 GND	C2	C3	C1		ENABLES R A0A HEAT	30-32-02
	B2	B3	B1	PROVIDES LO IDLE	PROVIDES HIGH IDLE WITH LDG FLAPS	73-21-03

RELAY ENERGIZED	POLE			NORMAL SYSTEM FUNCTION		REFERENCE SCHEMATIC	
	C	NC	NO	ON GROUND	IN AIR		
K214 D636 GND	11	9	10	DRIVES COOLING DOORS FULL OPEN	INHIBITS R PACK TEMP CONTROL BITE	21-51-04	
	7	14	8	INPUT TO APU		49-61-01	
	5	3	4		PROVIDES INPUT TO R RAD ALTM, ILS, VOR, DME AND ADF BITE	34-33-02	
	1	13	2		INHIBITS APU SHUTDOWN (BAT. SW OFF)	49-61-01	
K215 D1872 GND	11	9	10	PROVIDES "ON GND" INPUT TO CSEU	PROVIDES "IN AIR" INPUT TO CSEU	27-09-06	
	1	13	2		ENABLES R STALL WARNING	27-32-02	
K219 D1870 AIR	5	3	4		INHIBITS APU GND FIRE WARNING HORN	26-15-02	
	7	14	8	ENABLES REV THRUST ISLN VALVE FAULT IND		78-36-01	
K263 D1866 GND							
K10201 D1864 GND	5	3	4		AIR SUPPLY APU VALVE CONTROL	36-11-03	
	7	14	8	R PACK-HI FLOW CONTROL WITH APU OR GND AIR		21-51-02	
K10202 D628 GND							
K10203 D632 AIR	5	3	4	ENABLES EXT PWR PRIORITY OVER R GCU		24-22-02	
	1	13	2		ENABLES ELEC LOAD SHED RESET	24-51-10	
K10239 D2676 GND	7	14	8	INPUTS FLIGHT COMPLETE TO TCAS		34-45-01	
	7	14	8	ENABLES AUTO. BRAKE AFTER WHEEL SPIN UP		32-42-03	
K10308 D4090 GND	D2	D3	D1	ENABLES CAPT AND L AUX P/S LO HT		30-31-01	
	B2	B3	B1		ENABLES L AUX P/S FAULT IND	30-31-01	
	C2	C3	C1	ENABLES P2/T2 PROBE HEAT IND - R ENG RUNNING		30-34-01	
	A2	A3	A1		ENABLES CAPT P/S FAULT IND	30-31-01	
K10309 D4092 GND	D2	D3	D1		ENABLES F/O P/S FAULT IND	30-31-02	
	C2	C3	C1		ENABLES R AUX P/S FAULT IND	30-31-02	
	B2	B3	B1	ENABLES F/O AND R AUX P/S LO HT		30-31-02	
	A2	A3	A1	ENABLES F/O AND R AUX P/S LO HT	ENABLES F/O P/S HI HT	30-31-02	
K10386 D4674 NOT TILTED	7	14	8	} PROVIDES "ON GND" INPUT TO CSEU (MULTI-FUNCTIONS)	PROVIDES "IN AIR" INPUT TO CSEU (MULTI FUNCTIONS)	} 27-09-06	
	5	3	4				} 27-09-06
	1	13	2				
K10387 D4676 NOT TILTED	1	13	2	PROVIDES "ON GND" INPUT TO CSEU	PROVIDES "IN AIR" INPUT TO CSEU	27-09-06	

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LANDING GEAR AIR/GROUND RELAYS

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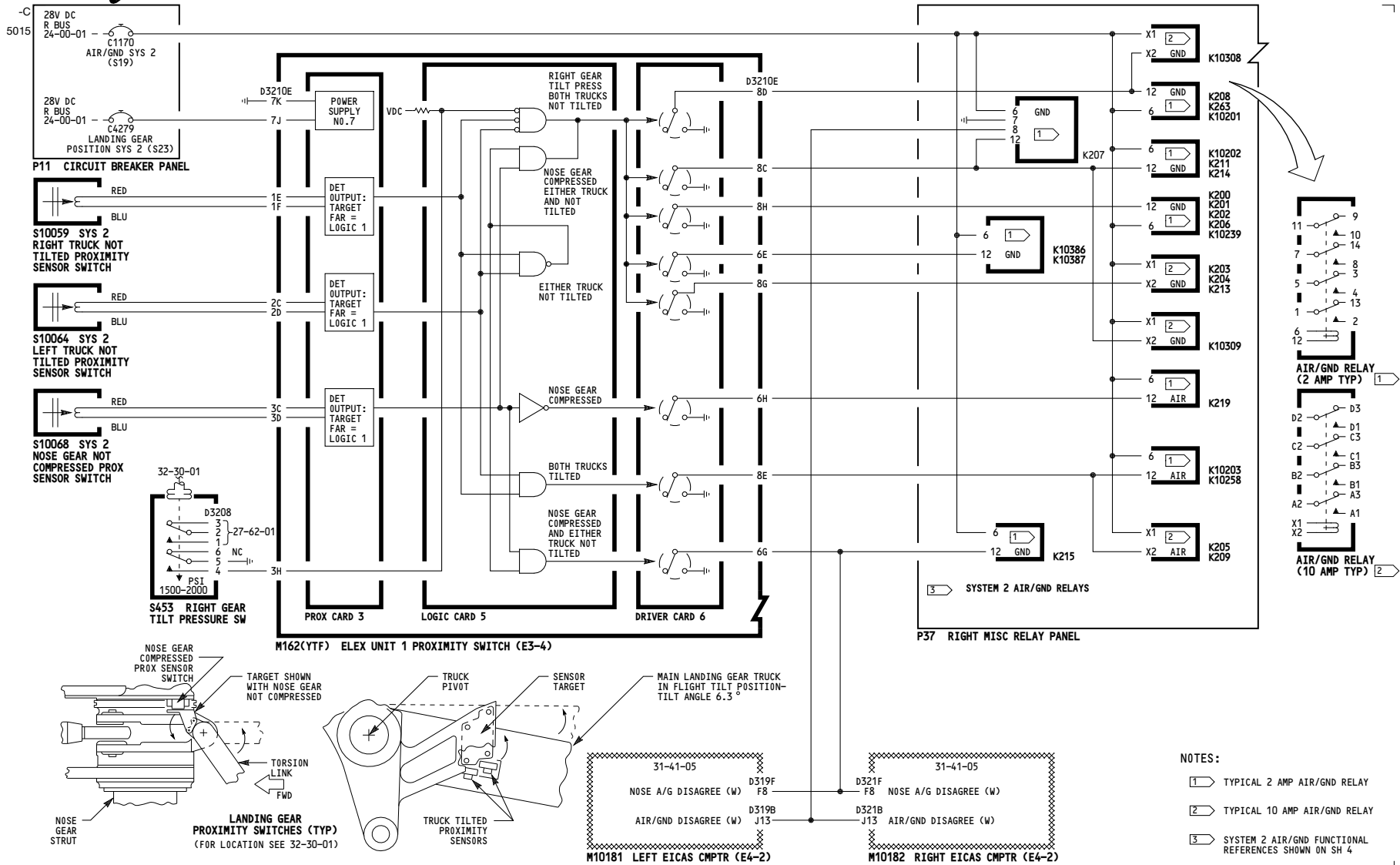
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RELAY	POLE			NORMAL SYSTEM FUNCTION		REFERENCE SCHEMATIC
	ENERGIZED	C	NC	NO	ON GROUND	
K124 D582 AIR	5	3	4		ACARS INPUT	23-22-01
	1	13	2		ENABLES L RECIRC FAN	21-25-01
	7	14	8			INHIBITS EQUIP COOL. GND HORN
K135 D1780 GND	11	9	10		PROVIDES "ON GND" INPUT TO CSEU	PROVIDES "IN AIR" INPUT TO CSEU
	7	14	8			ENABLES L STALL WARNING
	5	3	4		ENABLES VOICE RCDR ERASE (BRAKES SET)	
	1	13	2			INHIBITS TAKE OFF WARNING
K140 D584 GND	11	9	10		ENABLES EICAS MAINT FUNCTION	31-41-01
	5	3	4		DRIVES COOLING DOORS FULL OPEN	INHIBITS L PACK TEMP CONTROL BITE
	1	13	2		PROVIDES INPUT TO L FUEL QTY PROCESSOR	PROVIDES INPUT TO L FUEL QTY PROCESSOR
K141 D586 GND	7	14	8		ENABLES P3-3 MD&T AND P1-3 MD&T	33-16-02
	1	13	2			INHIBITS ZONE TEMP CONT BITE
K142 D588 GND	11	9	10	}	PROVIDES "ON GND" INPUT TO MCDP	PROVIDES "IN AIR" INPUT TO MCDP
	7	14	8			22-41-01
	5	3	4	}	PROVIDES "ON GND" INPUT TO FCC	PROVIDES "IN AIR" INPUT TO FCC
	1	13	2			22-14-01
K143 D590 GND	11	9	10		PROVIDES INPUT TO L ATC TRANSPONDER BITE MEM	34-53-01
	7	14	8		PROVIDES INPUT TO C RAD ALTM AND ILS BITE	34-33-03
	5	3	4		ARMS TAT PROBE FAULT IND DURING TEST	ARMS TAT PROBE HEAT FAULT IND
	1	13	2		PROVIDES "ON GND" INPUT TO TMC	22-32-01
K144 D592 GND	C2	C3	C1		INHIBITS A0A HEAT (ENGS RUNNING)	ENABLES L A0A HEAT
K145 D594 AIR	D2	D3	D1			ENABLES CAPT FOOT HEATER
	B2	B3	B1		ENABLES AUTO APU FIRE EXT (ENGS RUNNING)	26-22-01
K148 D600 GND	5	3	4		ENABLES R REV THRUST FAULT ISLN VALVE IND	78-36-01
	11	9	10		ENABLES AIR DATA CMPTR TEST	34-12-01
	7	14	8			INHIBITS TAKEOFF WARNING
	1	13	2			INHIBITS EQUIP COOL TEST FUNCTIONS
K149 D602 GND	11	9	10		ENABLES STALL WARN SELF TEST	27-32-01
	5	3	4		ENABLES ELEC LOAD SHED	24-51-15
	1	13	2		ENABLES L FWD FUEL BOOST PUMP AUTO OPERATION WITH SWITCH OFF (APU ON)	28-25-01
K167 D1782 GND	7	14	8			PROVIDES INPUT TO L RAD ALTM, ILS, VOR, DME AND ADF BITE
	5	3	4		ENABLES AUTO SPEEDBRAKE	27-62-01
	1	13	2		R PACK OFF CONFIG - INLET DOOR FULL OPEN PACK CONTROL VALVE CLOSED	R PACK OFF CONFIG - INLET DOOR CLOSED PACK CONTROL VALVE OPEN

RELAY	POLE			NORMAL SYSTEM FUNCTION		REFERENCE SCHEMATIC
	ENERGIZED	C	NC	NO	ON GROUND	
K170 D604 GND	11	9	10		ENABLES MD&T FOR P3-1 AND P3-3	33-16-02
	7	14	8		ENABLES THRUST REVERSERS	78-34-01
K177 D606 GND	11	9	10		ENABLES MD&T FOR P3-1 AND P3-3	33-16-02
	5	3	4		ENABLES THRUST REVERSERS	78-34-01
	D2	D3	D1			ENABLES R AUX P/S FAULT IND
K178 D608 GND	C2	C3	C1			ENABLES F/O P/S FAULT IND
	B2	B3	B1		ENABLES F/O AND R AUX P/S LO HT	30-31-02
	A2	A3	A1			PROVIDE P1 PROBE HEAT IND
	D2	D3	D1		ALLOWS C RUD/ELEV SOV TO CLOSE	29-00-04
K199 D598 GND	C2	C3	C1		ENABLES THRUST REVERSERS	78-34-01
	B2	B3	B1		ENGINE CONTROL - LOW IDLE	ENABLES HIGH IDLE WITH LANDING FLAPS
	A2	A3	A1		ENABLES THRUST REVERSERS OPERATION	INHIBIT THRUST REVERSERS
	D2	D3	D1		ALLOWS L RUD/ELEV SOV TO CLOSE	29-00-02
K10107 D596 GND	C2	C3	C1		ENABLES F/O & R AUX P/S LO HT	30-31-02
	A2	A3	A1			ENABLE P1 PROBE HEAT
K10108 D1784 AIR	11	9	10		PROVIDES INPUT TO BUS PWR CONTROL UNIT	PROVIDES INPUT TO BUS POWER CONTROL UNIT
	7	14	8			INHIBITS AURAL WARNING DURING TAKE OFF
	1	13	2		ENABLES MASTER FIRE WRN ON TAKE OFF	INHIBITS MASTER FIRE WARNING DURING TAKE OFF
K10238 D2754 GND	11	9	10		PROVIDES "ON GND" INPUT TO EICAS	32-09-02
	7	14	8		PROVIDES "ON GND" INPUT TO L FMC	PROVIDES "IN AIR" INPUT TO L FMC
	5	3	4		INPUT TO CABIN PRESSURE CONTROL	21-32-01
K10307 D4184 GND	D2	D3	D1			ENABLES CAPT P/S FAULT IND
	C2	C3	C1			ENABLES L AUX P/S FAULT IND
	B2	B3	B1		ENABLES CAPT AND L AUX P/S LOW HT	ENABLES CAPT P/S HI HT
	A2	A3	A1		ENABLES CAPT AND L AUX P/S LO HT	30-31-01
K10384 D4706 GND	5	3	4		INHIBITS RAM AIR TURBINE DEPLOYMENT	29-00-04
	1	13	2		PROVIDES "ON GND" INPUT TO CSEU	PROVIDES "IN AIR" INPUT TO CSEU
K10385 D4708 GND	7	14	8	}	PROVIDES "ON GND" INPUT TO CSEU (MULTI FUNCTIONS)	PROVIDES "IN AIR" INPUT TO CSEU (MULTI FUNCTION)
	5	3	4			27-09-06
	1	13	2			27-09-06
K10388 D4510 AIR	11	9	10		PROVIDES INPUT TO L VHF BITE	23-12-01
	5	3	4		PROVIDES "ON GND" INPUT TO RUD/ELEV PCU MONITOR	PROVIDES "IN AIR" INPUT TO RUD/ELEV PCU MONITOR
	1	13	2		ENABLES AUTO BRAKES AFTER WHEEL SPIN UP	32-42-03
K10306 D4182 AIR	A2	A3	A1			ENABLES AUX POWER

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757-200 SYSTEM SCHEMATIC MANUAL

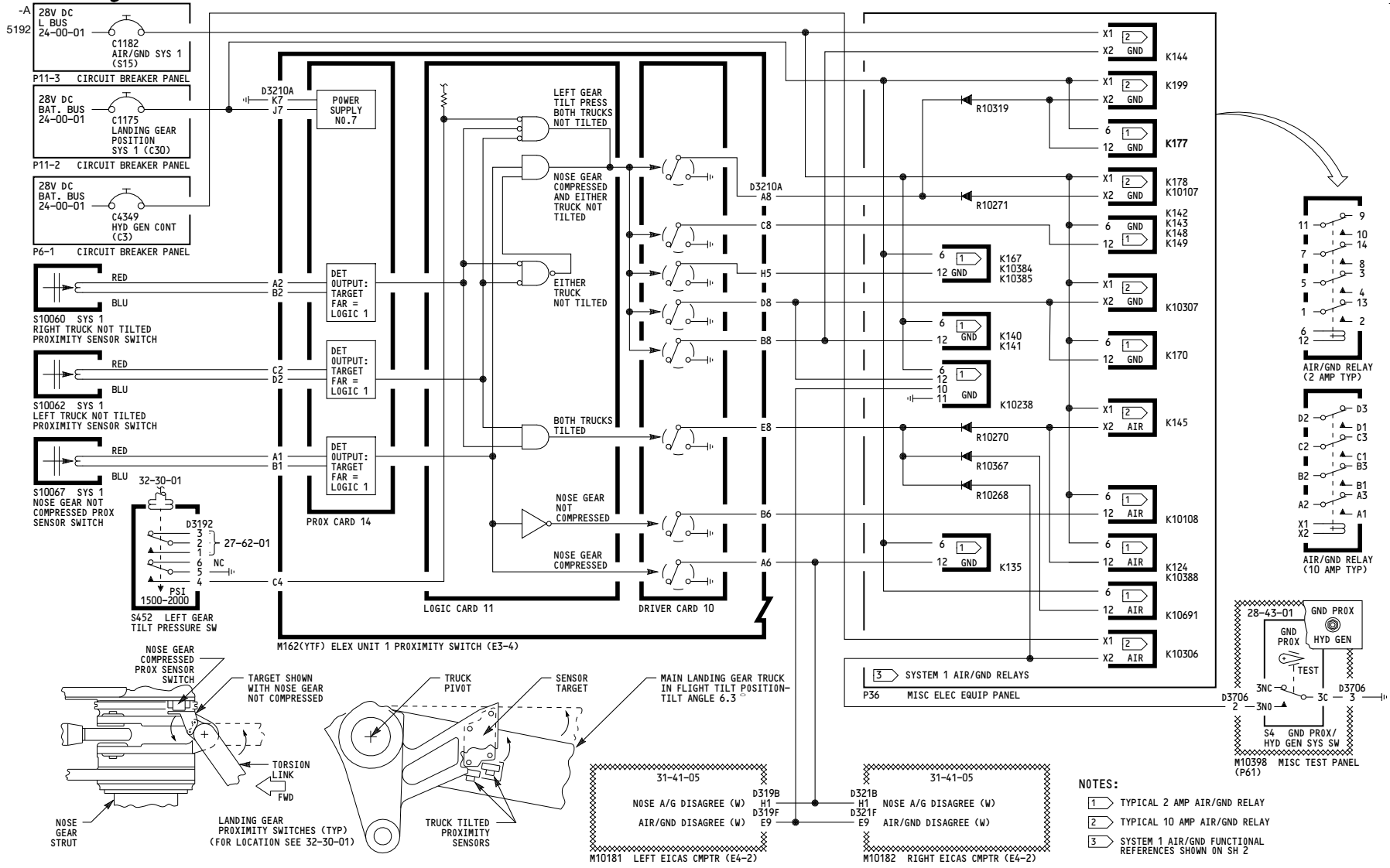
5035

RELAY ENERGIZED	POLE			NORMAL SYSTEM FUNCTION		REFERENCE SCHEMATIC
	C	NC	NO	ON GROUND	IN AIR	
K200 D610 GND	11	9	10		PROVIDES INPUT TO FUEL QUANTITY PROCESSOR	28-41-01
	7	14	8	PROVIDES "ON GND" INPUT TO R FMC	PROVIDES "IN AIR" INPUT TO R FMC	34-61-07
K201 D612 GND	11	9	10		AFT EQUIP EXHAUST FAN SWITCHING	21-58-04
	7	14	8		PROVIDES INPUT TO R ATC TRANSPONDER BITE MEM	34-53-02
	1	13	2		PROVIDES INPUT TO VHF COMM	23-12-01
K202 D614 GND	11	9	10	} PROVIDES "ON GND" INPUT TO MCDP	PROVIDES "IN AIR" INPUT TO MCDP	} 22-41-01
	7	14	8			
	5	3	4			22-14-01
	1	13	2			22-14-01
K203 D616 GND	C2	C3	C1	ALLOWS R SYS RUD/ELEV HYD SOV TO CLOSE		29-00-03
	B2	B3	B1	INHIBITS TAT PROBE HEAT EXC DURING TEST	ENABLES TAT PROBE HEAT	30-33-01
	A2	A3	A1	ENABLES THRUST REVERSERS	INHIBITS THRUST REVERSERS OPERATION	78-34-02
K204 D618 GND	B2	B3	B1	PROVIDES INPUT FOR REDUCED PROBE HEAT		30-31-01
	A2	A3	A1	ENABLES WING ANTI-ICE TEST	ENABLES WING ANTI-ICE	30-11-01
K205 D620 AIR	C2	C3	C1	ENABLES DRAIN MAST LO HEAT	ENABLES DRAIN MAST HI HEAT	30-71-01
	B2	B3	B1		ENABLES F/O FOOT HEATER	21-45-01
K206 D622 GND	11	9	10	INHIBITS DFDR OPERATION (ENG RUNNING. SW IN NORM)		31-31-01
	1	13	2		SWITCHES GND POWER	24-51-50
K207 D624 GND	5	3	4		ENABLES STALL WARNING	27-32-02
	11	9	10	PROVIDES PRESS. OUTFLOW VALVE FULL OPEN	ENABLES AUTO 2 CABIN PRESS.	21-31-02
	1	13	2	ENABLES AIR DATA CMPTR TEST		34-12-02
	7	4	8	PROVIDES "ON GND" FOR EICAS		32-09-02
K208 D1868 GND	7	14	8	PROVIDES "ON GND" INPUT TO DFDAU	PROVIDES "IN AIR" INPUT TO DFDAU	31-31-01
	5	3	4		PROVIDES INPUT TO GPWS BITE	34-46-01
	1	13	2	L PACK OFF CONFIG - INLET DOOR FULL OPEN PACK CONTROL VALVE CLOSED	L PACK OFF CONFIG - INLET DOOR CLOSED PACK CONTROL VALVE OPEN	21-51-06
K209 D626 AIR	A2	A3	A1		ENABLES LDG GEAR CONTROL LEVER UP	32-30-01
	7	14	8	ENABLES AUTO SPEEDBRAKE		27-62-01
K211 D630 GND						
	1	13	2	L PACK-HI FLOW CONTROL WITH APU OR GND AIR		21-51-01
K213 D634 GND	A2	A3	A1		ENABLES P2/T2 PROBE HEAT - R	30-34-01
	C2	C3	C1		ENABLES R A0A HEAT	30-32-02
	B2	B3	B1	PROVIDES LO IDLE	PROVIDES HIGH IDLE WITH LDG FLAPS	73-21-03

RELAY ENERGIZED	POLE			NORMAL SYSTEM FUNCTION		REFERENCE SCHEMATIC	
	C	NC	NO	ON GROUND	IN AIR		
K214 D636 GND	11	9	10	DRIVES COOLING DOORS FULL OPEN	INHIBITS R PACK TEMP CONTROL BITE	21-51-04	
	7	14	8	INPUT TO APU		49-61-01	
	5	3	4		PROVIDES INPUT TO R RAD ALTM, ILS, VOR, DME AND ADF BITE	34-33-02	
	1	13	2		INHIBITS APU SHUTDOWN (BAT. SW OFF)	49-61-01	
K215 D1872 GND	11	9	10	PROVIDES "ON GND" INPUT TO CSEU	PROVIDES "IN AIR" INPUT TO CSEU	27-09-06	
	1	13	2		ENABLES R STALL WARNING	27-32-02	
K219 D1870 AIR	5	3	4		INHIBITS APU GND FIRE WARNING HORN	26-15-02	
	7	14	8	ENABLES REV THRUST ISLN VALVE FAULT IND		78-36-01	
K263 D1866 GND							
K10201 D1864 GND	5	3	4		AIR SUPPLY APU VALVE CONTROL	36-11-03	
K10202 D628 GND	7	14	8	R PACK-HI FLOW CONTROL WITH APU OR GND AIR		21-51-02	
K10203 D632 AIR	5	3	4	ENABLES EXT PWR PRIORITY OVER R GCU		24-22-02	
	1	13	2		ENABLES ELEC LOAD SHED RESET	24-51-10	
K10239 D2676 GND							
	7	14	8	INPUTS FLIGHT COMPLETE TO TCAS		34-45-01	
K10258 D3118 AIR							
	7	14	8	ENABLES AUTO. BRAKE AFTER WHEEL SPIN UP		32-42-03	
K10308 D4090 GND	D2	D3	D1	ENABLES CAPT AND L AUX P/S LO HT		30-31-01	
	B2	B3	B1		ENABLES L AUX P/S FAULT IND	30-31-01	
	C2	C3	C1	ENABLES P2/T2 PROBE HEAT IND - R ENG RUNNING		30-34-01	
	A2	A3	A1		ENABLES CAPT P/S FAULT IND	30-31-01	
K10309 D4092 GND	D2	D3	D1		ENABLES F/O P/S FAULT IND	30-31-02	
	C2	C3	C1		ENABLES R AUX P/S FAULT IND	30-31-02	
	B2	B3	B1	ENABLES F/O AND R AUX P/S LO HT		30-31-02	
	A2	A3	A1	ENABLES F/O AND R AUX P/S LO HT	ENABLES F/O P/S HI HT	30-31-02	
K10386 D4674 NOT TILTED	7	14	8	} PROVIDES "ON GND" INPUT TO CSEU (MULTI-FUNCTIONS)	PROVIDES "IN AIR" INPUT TO CSEU (MULTI FUNCTIONS)	} 27-09-06	
	5	3	4				} 27-09-06
	1	13	2				
K10387 D4676 NOT TILTED							
	1	13	2	PROVIDES "ON GND" INPUT TO CSEU	PROVIDES "IN AIR" INPUT TO CSEU	27-09-06	

001	<p>LANDING GEAR AIR/GROUND RELAYS</p> <p>D280N032S</p>
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- NOTES:**
- 1 TYPICAL 2 AMP AIR/GND RELAY
 - 2 TYPICAL 10 AMP AIR/GND RELAY
 - 3 SYSTEM 1 AIR/GND FUNCTIONAL REFERENCES SHOWN ON SH 2

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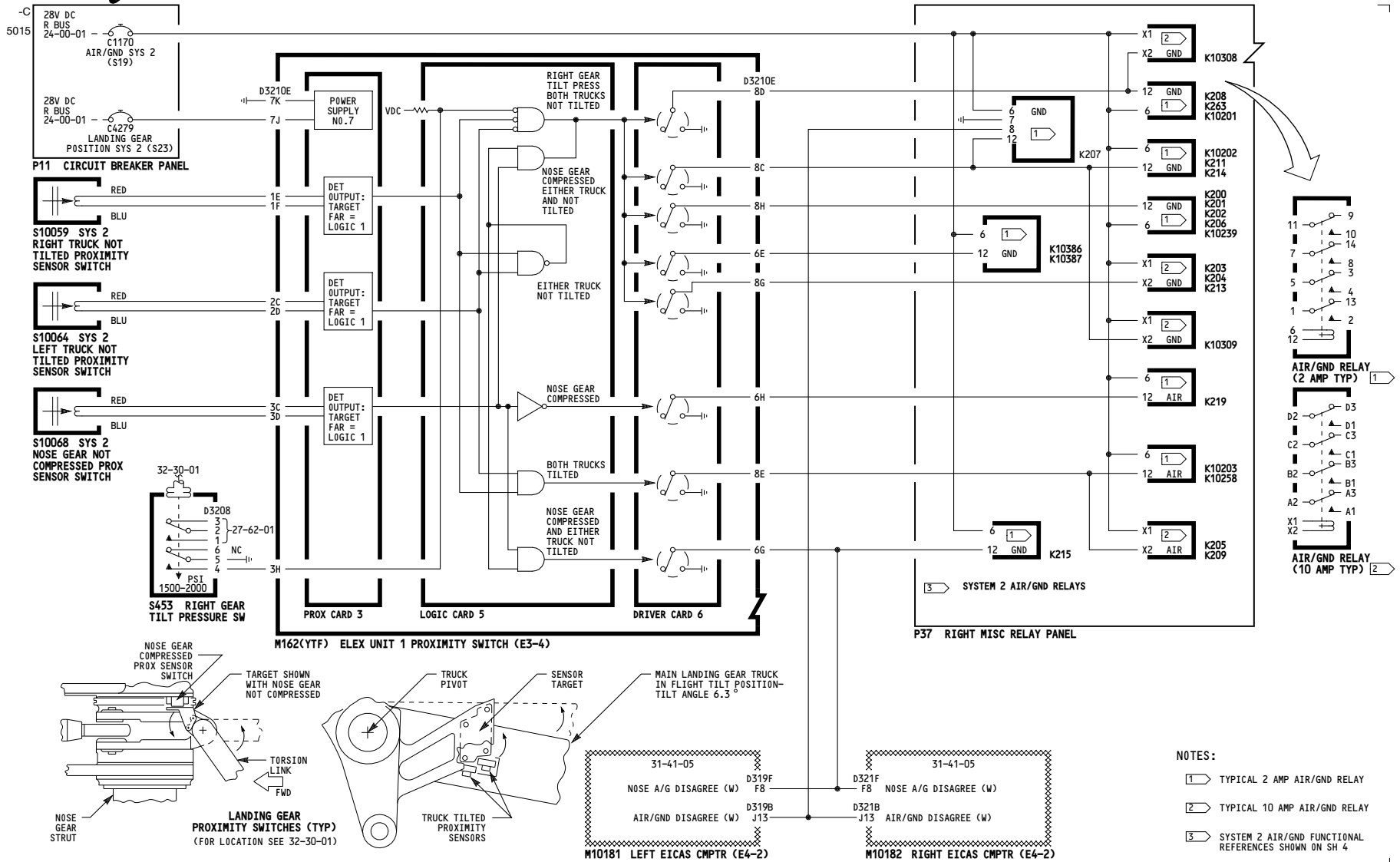
5040

RELAY	POLE			NORMAL SYSTEM FUNCTION		REFERENCE SCHEMATIC
	ENERGIZED	C	NC	NO	ON GROUND	
K124 D582 AIR	5	3	4		ACARS INPUT	23-22-01
	1	13	2		ENABLES L RECIRC FAN	21-25-01
	7	14	8			INHIBITS EQUIP COOL. GND HORN
K135 D1780 GND	11	9	10		PROVIDES "ON GND" INPUT TO CSEU	PROVIDES "IN AIR" INPUT TO CSEU
	7	14	8			ENABLES L STALL WARNING
	5	3	4		ENABLES VOICE RCDR ERASE (BRAKES SET)	
	1	13	2			INHIBITS TAKE OFF WARNING
K140 D584 GND	11	9	10		ENABLES EICAS MAINT FUNCTION	31-41-01
	5	3	4		DRIVES COOLING DOORS FULL OPEN	INHIBITS L PACK TEMP CONTROL BITE
	1	13	2		PROVIDES INPUT TO L FUEL QTY PROCESSOR	PROVIDES INPUT TO L FUEL QTY PROCESSOR
K141 D586 GND	7	14	8		ENABLES P3-3 MD&T AND P1-3 MD&T	33-16-02
	1	13	2			INHIBITS ZONE TEMP CONT BITE
K142 D588 GND	11	9	10	}	PROVIDES "ON GND" INPUT TO MCDP	PROVIDES "IN AIR" INPUT TO MCDP
	7	14	8			22-41-01
	5	3	4	}	PROVIDES "ON GND" INPUT TO FCC	PROVIDES "IN AIR" INPUT TO FCC
	1	13	2			22-14-01
K143 D590 GND	11	9	10		PROVIDES INPUT TO L ATC TRANSPONDER BITE MEM	34-53-01
	7	14	8		PROVIDES INPUT TO C RAD ALTM AND ILS BITE	34-33-03
	5	3	4		ARMS TAT PROBE FAULT IND DURING TEST	ARMS TAT PROBE HEAT FAULT IND
	1	13	2		PROVIDES "ON GND" INPUT TO TMC	22-32-01
K144 D592 GND	C2	C3	C1		INHIBITS A0A HEAT (ENGS RUNNING)	ENABLES L A0A HEAT
K145 D594 AIR	D2	D3	D1			ENABLES CAPT FOOT HEATER
	B2	B3	B1		ENABLES AUTO APU FIRE EXT (ENGS RUNNING)	26-22-01
K148 D600 GND	5	3	4		ENABLES R REV THRUST FAULT ISLN VALVE IND	78-36-01
	11	9	10		ENABLES AIR DATA CMPTR TEST	34-12-01
	7	14	8			INHIBITS TAKEOFF WARNING
	1	13	2			INHIBITS EQUIP COOL TEST FUNCTIONS
K149 D602 GND	11	9	10		ENABLES STALL WARN SELF TEST	27-32-01
	5	3	4		ENABLES ELEC LOAD SHED	24-51-15
	1	13	2		ENABLES L FWD FUEL BOOST PUMP AUTO OPERATION WITH SWITCH OFF (APU ON)	28-25-01
K167 D1782 GND	7	14	8			PROVIDES INPUT TO L RAD ALTM, ILS, VOR, DME AND ADF BITE
	5	3	4		ENABLES AUTO SPEEDBRAKE	27-62-01
	1	13	2		R PACK OFF CONFIG - INLET DOOR FULL OPEN PACK CONTROL VALVE CLOSED	R PACK OFF CONFIG - INLET DOOR CLOSED PACK CONTROL VALVE OPEN

RELAY	POLE			NORMAL SYSTEM FUNCTION		REFERENCE SCHEMATIC
	ENERGIZED	C	NC	NO	ON GROUND	
K170 D604 GND	11	9	10		ENABLES MD&T FOR P3-1 AND P3-3	33-16-02
	7	14	8		ENABLES THRUST REVERSERS	78-34-01
K177 D606 GND	11	9	10		ENABLES MD&T FOR P3-1 AND P3-3	33-16-02
	5	3	4		ENABLES THRUST REVERSERS	78-34-01
	D2	D3	D1			ENABLES R AUX P/S FAULT IND
K178 D608 GND	C2	C3	C1			ENABLES F/O P/S FAULT IND
	B2	B3	B1		ENABLES F/O AND R AUX P/S LO HT	30-31-02
	A2	A3	A1			PROVIDE P1 PROBE HEAT IND
	D2	D3	D1		ALLOWS C RUD/ELEV SOV TO CLOSE	29-00-04
K199 D598 GND	C2	C3	C1		ENABLES THRUST REVERSERS	78-34-01
	B2	B3	B1		ENGINE CONTROL - LOW IDLE	ENABLES HIGH IDLE WITH LANDING FLAPS
	A2	A3	A1		ENABLES THRUST REVERSERS OPERATION	INHIBIT THRUST REVERSERS
	D2	D3	D1		ALLOWS L RUD/ELEV SOV TO CLOSE	29-00-02
K10107 D596 GND	C2	C3	C1		ENABLES F/O & R AUX P/S LO HT	30-31-02
	A2	A3	A1			ENABLE P1 PROBE HEAT
K10108 D1784 AIR	11	9	10		PROVIDES INPUT TO BUS PWR CONTROL UNIT	PROVIDES INPUT TO BUS POWER CONTROL UNIT
	7	14	8			INHIBITS AURAL WARNING DURING TAKE OFF
	1	13	2		ENABLES MASTER FIRE WRN ON TAKE OFF	INHIBITS MASTER FIRE WARNING DURING TAKE OFF
K10238 D2754 GND	11	9	10		PROVIDES "ON GND" INPUT TO EICAS	32-09-02
	7	14	8		PROVIDES "ON GND" INPUT TO L FMC	PROVIDES "IN AIR" INPUT TO L FMC
	5	3	4		INPUT TO CABIN PRESSURE CONTROL	21-32-01
K10307 D4184 GND	D2	D3	D1			ENABLES CAPT P/S FAULT IND
	C2	C3	C1			ENABLES L AUX P/S FAULT IND
	B2	B3	B1		ENABLES CAPT AND L AUX P/S LOW HT	ENABLES CAPT P/S HI HT
	A2	A3	A1		ENABLES CAPT AND L AUX P/S LO HT	30-31-01
K10384 D4706 GND	5	3	4		INHIBITS RAM AIR TURBINE DEPLOYMENT	29-00-04
	1	13	2		PROVIDES "ON GND" INPUT TO CSEU	PROVIDES "IN AIR" INPUT TO CSEU
K10385 D4708 GND	7	14	8	}	PROVIDES "ON GND" INPUT TO CSEU (MULTI FUNCTIONS)	PROVIDES "IN AIR" INPUT TO CSEU (MULTI FUNCTION)
	5	3	4			27-09-06
	1	13	2			27-09-06
K10388 D4510 AIR	11	9	10		PROVIDES INPUT TO L VHF BITE	23-12-01
	5	3	4		PROVIDES "ON GND" INPUT TO RUD/ELEV PCU MONITOR	PROVIDES "IN AIR" INPUT TO RUD/ELEV PCU MONITOR
	1	13	2		ENABLES AUTO BRAKES AFTER WHEEL SPIN UP	32-42-03
K10306 D4182 AIR	A2	A3	A1			ENABLES AUX POWER

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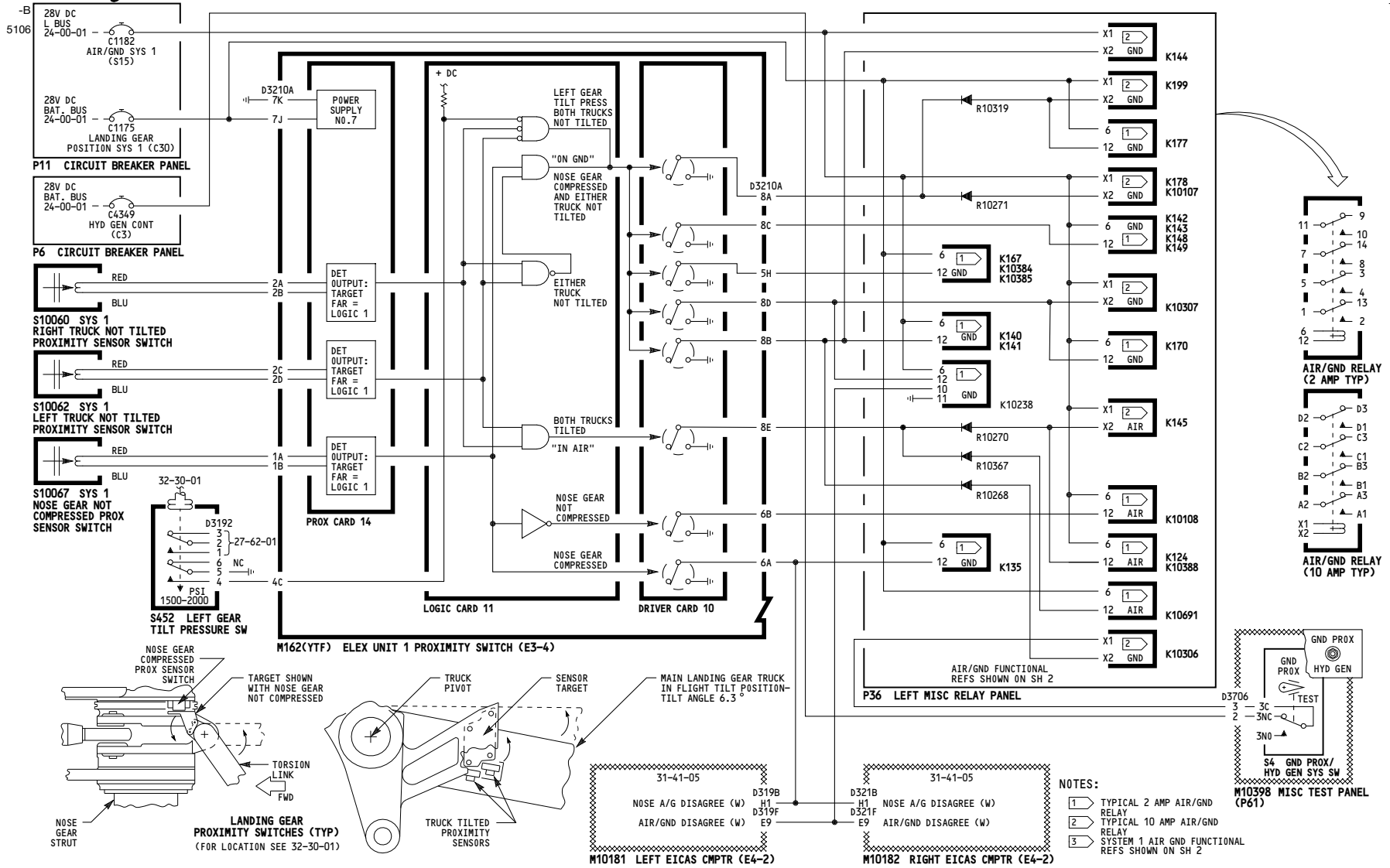
RELAY	POLE			NORMAL SYSTEM FUNCTION		REFERENCE SCHEMATIC	
	ENERGIZED	C	NC	NO			
K200 D610 GND	11	9	10		ON GROUND	PROVIDES INPUT TO FUEL QUANTITY PROCESSOR	28-41-01
	7	14	8			PROVIDES "ON GND" INPUT TO R FMC	34-61-07
						PROVIDES "IN AIR" INPUT TO R FMC	
K201 D612 GND	11	9	10			AFT EQUIP EXHAUST FAN SWITCHING	21-58-04
	7	14	8			PROVIDES INPUT TO R ATC TRANSPONDER BITE MEM	34-53-02
	1	13	2			PROVIDES INPUT TO VHF COMM	23-12-01
K202 D614 GND	11	9	10	}	PROVIDES "ON GND" INPUT TO MCDP	PROVIDES "IN AIR" INPUT TO MCDP	22-41-01
	7	14	8				
	5	3	4	}	PROVIDES "ON GND" INPUT TO FCC	PROVIDES "IN AIR" INPUT TO FCC	22-14-01
	1	13	2				
K203 D616 GND	C2	C3	C1		ALLOWS R SYS RUD/ELEV HYD SOV TO CLOSE		29-00-03
	B2	B3	B1		INHIBITS TAT PROBE HEAT EXC DURING TEST	ENABLES TAT PROBE HEAT	30-33-01
	A2	A3	A1		ENABLES THRUST REVERSERS	INHIBITS THRUST REVERSERS OPERATION	78-34-02
K204 D618 GND	B2	B3	B1		PROVIDES INPUT FOR REDUCED PROBE HEAT		30-31-01
	A2	A3	A1		ENABLES WING ANTI-ICE TEST	ENABLES WING ANTI-ICE	30-11-01
K205 D620 AIR	C2	C3	C1		ENABLES DRAIN MAST LO HEAT	ENABLES DRAIN MAST HI HEAT	30-71-01
	B2	B3	B1			ENABLES F/O FOOT HEATER	21-45-01
K206 D622 GND	11	9	10		INHIBITS DFDR OPERATION (ENG RUNNING. SW IN NORM)		31-31-01
	1	13	2			SWITCHES GND POWER	24-51-50
K207 D624 GND	5	3	4			ENABLES STALL WARNING	27-32-02
	11	9	10		PROVIDES PRESS. OUTFLOW VALVE FULL OPEN	ENABLES AUTO 2 CABIN PRESS.	21-31-02
	1	13	2		ENABLES AIR DATA CMPTR TEST		34-12-02
	7	4	8		PROVIDES "ON GND" FOR EICAS		32-09-02
K208 D1868 GND	7	14	8		PROVIDES "ON GND" INPUT TO DFDAU	PROVIDES "IN AIR" INPUT TO DFDAU	31-31-01
	5	3	4			PROVIDES INPUT TO GPWS BITE	34-46-01
	1	13	2		L PACK OFF CONFIG - INLET DOOR FULL OPEN PACK CONTROL VALVE CLOSED	L PACK OFF CONFIG - INLET DOOR CLOSED PACK CONTROL VALVE OPEN	21-51-06
K209 D626 AIR	A2	A3	A1			ENABLES LDG GEAR CONTROL LEVER UP	32-30-01
	7	14	8		ENABLES AUTO SPEEDBRAKE		27-62-01
K211 D630 GND	1	13	2		L PACK-HI FLOW CONTROL WITH APU OR GND AIR		21-51-01
	A2	A3	A1			ENABLES P2/T2 PROBE HEAT - R	30-34-01
K213 D634 GND	C2	C3	C1			ENABLES R A0A HEAT	30-32-02
	B2	B3	B1		PROVIDES LO IDLE	PROVIDES HIGH IDLE WITH LDG FLAPS	73-21-03

RELAY	POLE			NORMAL SYSTEM FUNCTION		REFERENCE SCHEMATIC	
	ENERGIZED	C	NC	NO			
K214 D636 GND	11	9	10		DRIVES COOLING DOORS FULL OPEN	INHIBITS R PACK TEMP CONTROL BITE	21-51-04
	7	14	8		INPUT TO APU		49-61-01
	5	3	4			PROVIDES INPUT TO R RAD ALTM, ILS, VOR, DME AND ADF BITE	34-33-02
	1	13	2			INHIBITS APU SHUTDOWN (BAT. SW OFF)	49-61-01
K215 D1872 GND	11	9	10		PROVIDES "ON GND" INPUT TO CSEU	PROVIDES "IN AIR" INPUT TO CSEU	27-09-06
	1	13	2			ENABLES R STALL WARNING	27-32-02
K219 D1870 AIR	5	3	4			INHIBITS APU GND FIRE WARNING HORN	26-15-02
	7	14	8		ENABLES REV THRUST ISLN VALVE FAULT IND		78-36-01
K10201 D1864 GND	11	9	10		PROVIDES AIR/GND SIGNAL TO WXR	PROVIDES AIR/GND SIGNAL TO WXR	34-43-14
	5	3	4			AIR SUPPLY APU VALVE CONTROL	36-11-03
K10202 D628 GND	7	14	8		R PACK-HI FLOW CONTROL WITH APU OR GND AIR		21-51-02
	5	3	4		ENABLES EXT PWR PRIORITY OVER R GCU		24-22-02
K10203 D632 AIR	1	13	2			ENABLES ELEC LOAD SHED RESET	24-51-10
	7	14	8		INPUTS FLIGHT COMPLETE TO TCAS		34-45-01
K10258 D3118 AIR	7	14	8		ENABLES AUTO. BRAKE AFTER WHEEL SPIN UP		32-42-03
	D2	D3	D1		ENABLES CAPT AND L AUX P/S LO HT		30-31-01
K10308 D4090 GND	B2	B3	B1			ENABLES L AUX P/S FAULT IND	30-31-01
	C2	C3	C1		ENABLES P2/T2 PROBE HEAT IND - R ENG RUNNING		30-34-01
	A2	A3	A1			ENABLES CAPT P/S FAULT IND	30-31-01
	D2	D3	D1			ENABLES F/O P/S FAULT IND	30-31-02
K10309 D4092 GND	C2	C3	C1			ENABLES R AUX P/S FAULT IND	30-31-02
	B2	B3	B1		ENABLES F/O AND R AUX P/S LO HT		30-31-02
	A2	A3	A1		ENABLES F/O AND R AUX P/S LO HT	ENABLES F/O P/S HI HT	30-31-02
	7	14	8	}	PROVIDES "ON GND" INPUT TO CSEU (MULTI-FUNCTIONS)	PROVIDES "IN AIR" INPUT TO CSEU (MULTI FUNCTIONS)	27-09-06
5	3	4	27-09-06				
1	13	2	27-09-06				
K10387 D4676 NOT TILTED	1	13	2		PROVIDES "ON GND" INPUT TO CSEU	PROVIDES "IN AIR" INPUT TO CSEU	27-09-06

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RELAY	POLE			NORMAL SYSTEM FUNCTION		REFERENCE SCHEMATIC
	ENERGIZED	C	NC	NO	ON GROUND	
K124 D582 AIR	5	3	4		ACARS INPUT	23-22-01
	1	13	2		ENABLES L RECIRC FAN	21-25-01
	7	14	8			INHIBITS EQUIP COOL. GND HORN
K135 D1780 GND	11	9	10		PROVIDES "ON GND" INPUT TO CSEU	PROVIDES "IN AIR" INPUT TO CSEU
	7	14	8			ENABLES L STALL WARNING
	5	3	4		ENABLES VOICE RCDR ERASE (BRAKES SET)	
	1	13	2			INHIBITS TAKE OFF WARNING
K140 D584 GND	11	9	10		ENABLES EICAS MAINT FUNCTION	31-41-01
	5	3	4		DRIVES COOLING DOORS FULL OPEN	INHIBITS L PACK TEMP CONTROL BITE
	1	13	2		PROVIDES INPUT TO L FUEL QTY PROCESSOR	PROVIDES INPUT TO L FUEL QTY PROCESSOR
K141 D586 GND	7	14	8		ENABLES P3-3 MD&T AND P1-3 MD&T	33-16-02
	1	13	2			INHIBITS ZONE TEMP CONT BITE
K142 D588 GND	11	9	10	}	PROVIDES "ON GND" INPUT TO MCDP	PROVIDES "IN AIR" INPUT TO MCDP
	7	14	8			22-41-01
	5	3	4	}	PROVIDES "ON GND" INPUT TO FCC	PROVIDES "IN AIR" INPUT TO FCC
	1	13	2			22-14-01
K143 D590 GND	11	9	10		PROVIDES INPUT TO L ATC TRANSPONDER BITE MEM	34-53-01
	7	14	8		PROVIDES INPUT TO C RAD ALTM AND ILS BITE	34-33-03
	5	3	4		ARMS TAT PROBE FAULT IND DURING TEST	ARMS TAT PROBE HEAT FAULT IND
	1	13	2		PROVIDES "ON GND" INPUT TO TMC	22-32-01
K144 D592 GND	C2	C3	C1		INHIBITS A0A HEAT (ENGS RUNNING)	ENABLES L A0A HEAT
K145 D594 AIR	D2	D3	D1			ENABLES CAPT FOOT HEATER
	B2	B3	B1		ENABLES AUTO APU FIRE EXT (ENGS RUNNING)	26-22-01
K148 D600 GND	5	3	4		ENABLES R REV THRUST FAULT ISLN VALVE IND	78-36-01
	11	9	10		ENABLES AIR DATA CMPTR TEST	34-12-01
	7	14	8			INHIBITS TAKEOFF WARNING
K149 D602 GND	1	13	2			INHIBITS EQUIP COOL TEST FUNCTIONS
	11	9	10		ENABLES STALL WARN SELF TEST	27-32-01
	5	3	4		ENABLES ELEC LOAD SHED	24-51-15
K167 D1782 GND	1	13	2		ENABLES L FWD FUEL BOOST PUMP AUTO OPERATION WITH SWITCH OFF (APU ON)	28-25-01
	11	9	10		THRUST REV SYNC LOCK	78-34-51
	7	14	8			PROVIDES INPUT TO L RAD ALTM, ILS, VOR, DME AND ADF BITE
	5	3	4		ENABLES AUTO SPEEDBRAKE	27-62-01
	1	13	2		R PACK OFF CONFIG - INLET DOOR FULL OPEN PACK CONTROL VALVE CLOSED	R PACK OFF CONFIG - INLET DOOR CLOSED PACK CONTROL VALVE OPEN

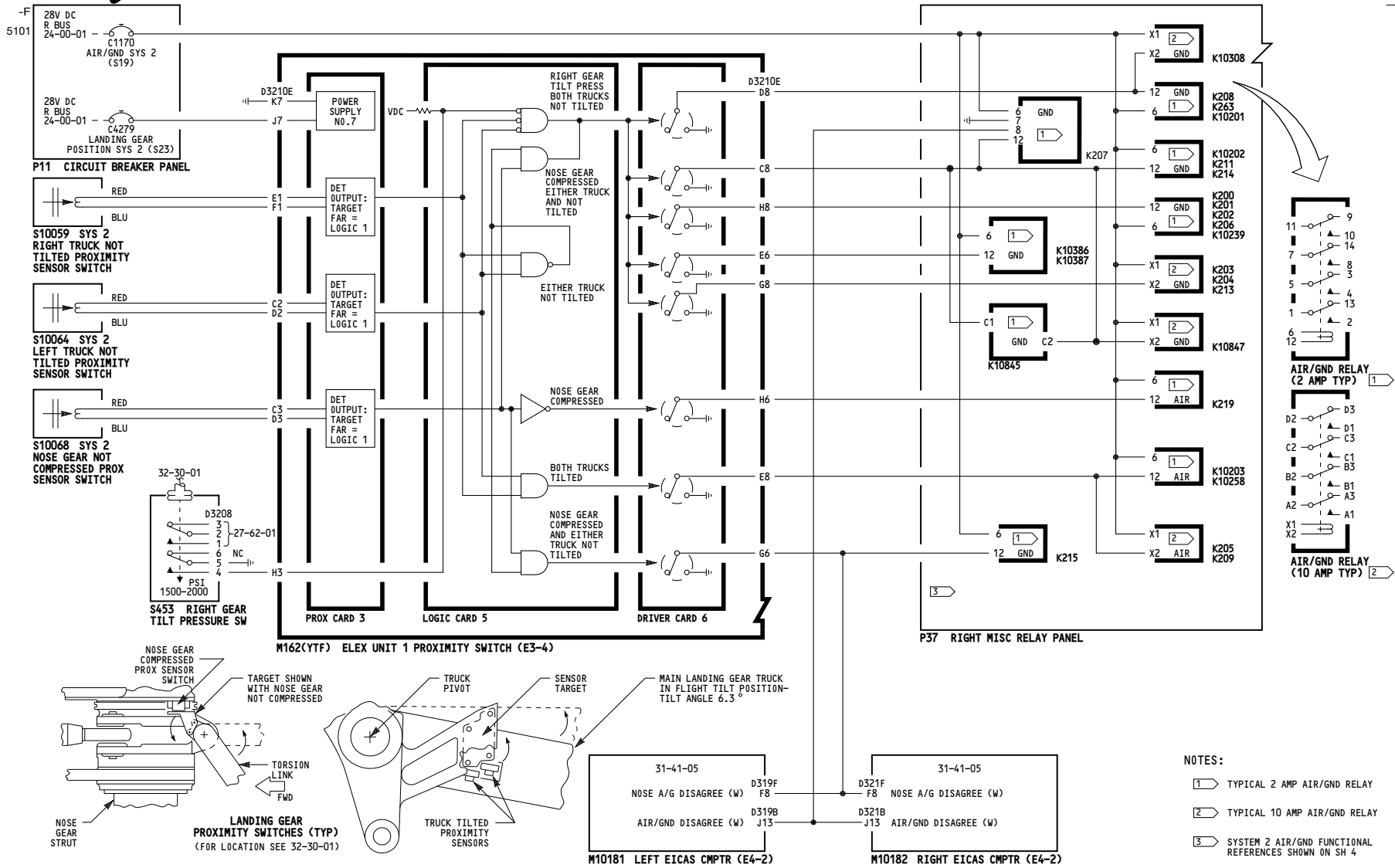
RELAY	POLE			NORMAL SYSTEM FUNCTION		REFERENCE SCHEMATIC
	ENERGIZED	C	NC	NO	ON GROUND	
K170 D604 GND	11	9	10		ENABLES MD&T FOR P3-1 AND P3-3	33-16-02
	7	14	8			
K177 D606 GND	11	9	10		ENABLES MD&T FOR P3-1 AND P3-3	33-16-02
	5	3	4			
	D2	D3	D1			ENABLES R AUX P/S FAULT IND
K178 D608 GND	C2	C3	C1			ENABLES F/O P/S FAULT IND
	B2	B3	B1		ENABLES F/O AND R AUX P/S LO HT	30-31-02
	A2	A3	A1			PROVIDE P1 PROBE HEAT IND
	D2	D3	D1		ALLOWS C RUD/ELEV SOV TO CLOSE	29-00-04
K199 D598 GND	C2	C3	C1		ENABLES THRUST REVERSERS	78-34-01
	B2	B3	B1		ENGINE CONTROL - LOW IDLE	ENABLES HIGH IDLE WITH LANDING FLAPS
	A2	A3	A1		ENABLES THRUST REVERSERS OPERATION	INHIBIT THRUST REVERSERS
	D2	D3	D1		ALLOWS L RUD/ELEV SOV TO CLOSE	29-00-02
K10107 D596 GND	C2	C3	C1		ENABLES F/O & R AUX P/S LO HT	30-31-02
	A2	A3	A1			ENABLE P1 PROBE HEAT
K10108 D1784 AIR	11	9	10		PROVIDES INPUT TO BUS PWR CONTROL UNIT	PROVIDES INPUT TO BUS POWER CONTROL UNIT
	7	14	8			INHIBITS AURAL WARNING DURING TAKE OFF
	1	13	2		ENABLES MASTER FIRE WRN ON TAKE OFF	INHIBITS MASTER FIRE WARNING DURING TAKE OFF
K10238 D2754 GND	11	9	10		PROVIDES "ON GND" INPUT TO EICAS	32-09-02
	7	14	8		PROVIDES "ON GND" INPUT TO L FMC	PROVIDES "IN AIR" INPUT TO L FMC
	5	3	4		INPUT TO CABIN PRESSURE CONTROL	21-32-01
K10307 D4184 GND	D2	D3	D1			ENABLES CAPT P/S FAULT IND
	C2	C3	C1			ENABLES L AUX P/S FAULT IND
	B2	B3	B1		ENABLES CAPT AND L AUX P/S LOW HT	ENABLES CAPT P/S HI HT
K10384 D4706 GND	A2	A3	A1		ENABLES CAPT AND L AUX P/S LO HT	30-31-01
	5	3	4		INHIBITS RAM AIR TURBINE DEPLOYMENT	29-00-04
K10385 D4708 GND	1	13	2		PROVIDES "ON GND" INPUT TO CSEU	PROVIDES "IN AIR" INPUT TO CSEU
	7	14	8	}	PROVIDES "ON GND" INPUT TO CSEU (MULTI FUNCTIONS)	PROVIDES "IN AIR" INPUT TO CSEU (MULTI FUNCTION)
	5	3	4			27-09-06
K10388 D4510 AIR	1	13	2			27-09-06
	11	9	10		PROVIDES INPUT TO L VHF BITE	23-12-01
	5	3	4		PROVIDES "ON GND" INPUT TO RUD/ELEV PCU MONITOR	PROVIDES "IN AIR" INPUT TO RUD/ELEV PCU MONITOR
	1	13	2		ENABLES AUTO BRAKES AFTER WHEEL SPIN UP	32-42-03

003-099

LANDING GEAR AIR/GROUND RELAYS

D280N032S

32-09-02



- NOTES:**
- ① TYPICAL 2 AMP AIR/GND RELAY
 - ② TYPICAL 10 AMP AIR/GND RELAY
 - ③ SYSTEM 2 AIR/GND FUNCTIONAL REFERENCES SHOWN ON SH 4

003-099	LANDING GEAR AIR/GROUND RELAYS
D280N032S	

32-09-02



757-200 SYSTEM SCHEMATIC MANUAL

5101

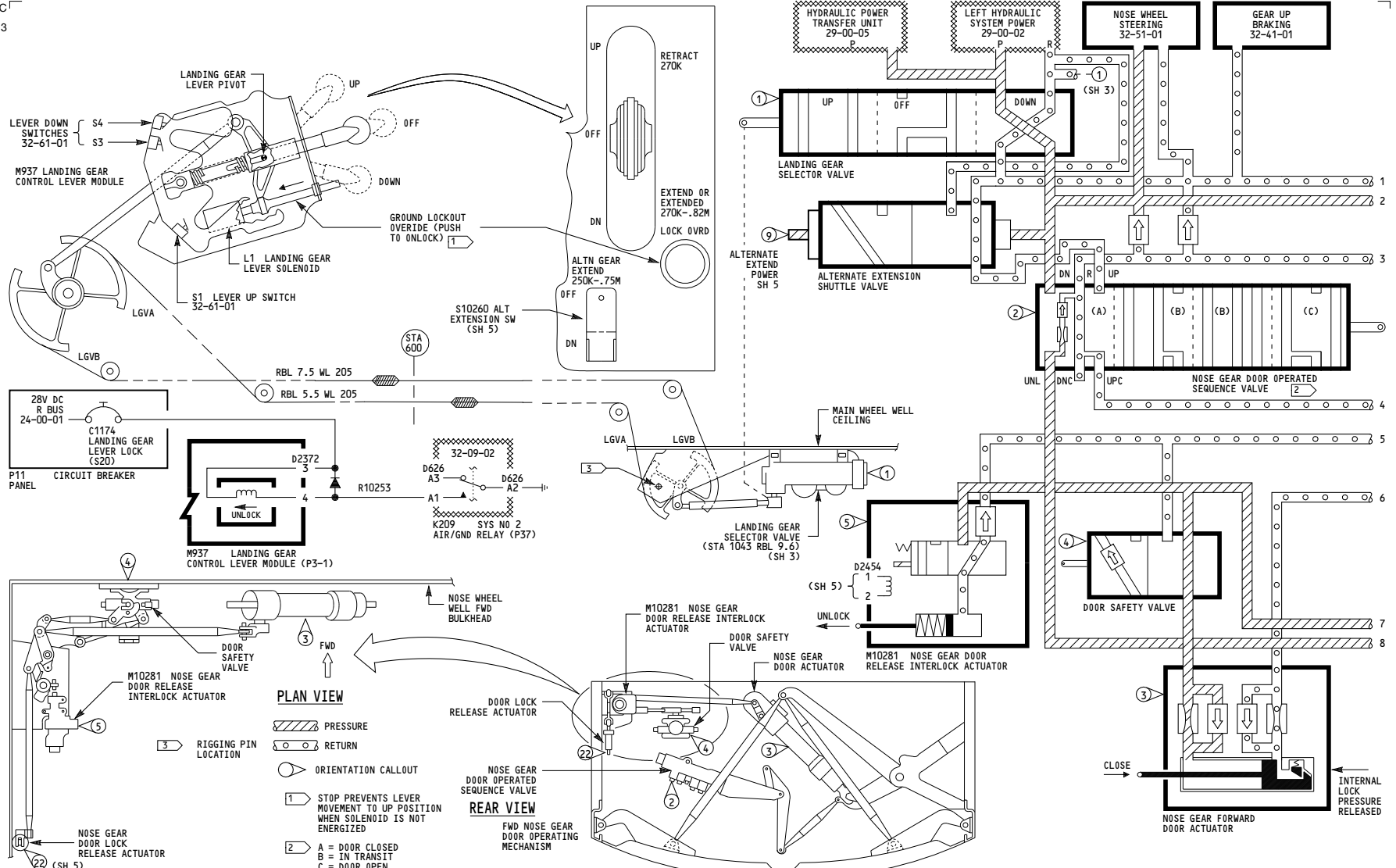
RELAY	POLE			NORMAL SYSTEM FUNCTION		REFERENCE SCHEMATIC	
	ENERGIZED	C	NC	NO			
K200 D610 GND	11	9	10		ON GROUND	PROVIDES INPUT TO FUEL QUANTITY PROCESSOR	28-41-01
	7	14	8			PROVIDES "ON GND" INPUT TO R FMC	34-61-07
						PROVIDES "IN AIR" INPUT TO R FMC	
K201 D612 GND	11	9	10			AFT EQUIP EXHAUST FAN SWITCHING	21-58-04
	7	14	8			PROVIDES INPUT TO R ATC TRANSPONDER BITE MEM	34-53-02
	1	13	2			PROVIDES INPUT TO VHF COMM	23-12-01
K202 D614 GND	11	9	10	}	PROVIDES "ON GND" INPUT TO MCDP	PROVIDES "IN AIR" INPUT TO MCDP	22-41-01
	7	14	8				
	5	3	4	}	PROVIDES "ON GND" INPUT TO FCC	PROVIDES "IN AIR" INPUT TO FCC	22-14-01
	1	13	2				
K203 D616 GND	C2	C3	C1		ALLOWS R SYS RUD/ELEV HYD SOV TO CLOSE		29-00-03
	B2	B3	B1		INHIBITS TAT PROBE HEAT EXC DURING TEST	ENABLES TAT PROBE HEAT	30-33-01
	A2	A3	A1		ENABLES THRUST REVERSERS	INHIBITS THRUST REVERSERS OPERATION	78-34-02
K204 D618 GND	B2	B3	B1		PROVIDES INPUT FOR REDUCED PROBE HEAT		30-31-01
	A2	A3	A1		ENABLES WING ANTI-ICE TEST	ENABLES WING ANTI-ICE	30-11-01
K205 D620 AIR	C2	C3	C1		ENABLES DRAIN MAST LO HEAT	ENABLES DRAIN MAST HI HEAT	30-71-01
	B2	B3	B1			ENABLES F/O FOOT HEATER	21-45-01
K206 D622 GND	11	9	10		INHIBITS DFDR OPERATION (ENG RUNNING. SW IN NORM)		31-31-01
	1	13	2			SWITCHES GND POWER	24-51-50
K207 D624 GND	5	3	4			ENABLES STALL WARNING	27-32-02
	11	9	10		PROVIDES PRESS. OUTFLOW VALVE FULL OPEN	ENABLES AUTO 2 CABIN PRESS.	21-31-02
	1	13	2		ENABLES AIR DATA CMPTR TEST		34-12-02
	7	4	8		PROVIDES "ON GND" FOR EICAS		32-09-02
K208 D1868 GND	7	14	8		PROVIDES "ON GND" INPUT TO DFDAU	PROVIDES "IN AIR" INPUT TO DFDAU	31-31-01
	5	3	4			PROVIDES INPUT TO GPWS BITE	34-46-01
	1	13	2		L PACK OFF CONFIG - INLET DOOR FULL OPEN PACK CONTROL VALVE CLOSED	L PACK OFF CONFIG - INLET DOOR CLOSED PACK CONTROL VALVE OPEN	21-51-06
K209 D626 AIR	A2	A3	A1			ENABLES LDG GEAR CONTROL LEVER UP	32-30-01
	7	14	8		ENABLES AUTO SPEEDBRAKE		27-62-01
K211 D630 GND	1	13	2		L PACK-HI FLOW CONTROL WITH APU OR GND AIR		21-51-01
	A2	A3	A1			ENABLES P2/T2 PROBE HEAT - R	30-34-01
K213 D634 GND	C2	C3	C1			ENABLES R A0A HEAT	30-32-02
	B2	B3	B1		PROVIDES LO IDLE	PROVIDES HIGH IDLE WITH LDG FLAPS	73-21-03

RELAY	POLE			NORMAL SYSTEM FUNCTION		REFERENCE SCHEMATIC		
	ENERGIZED	C	NC	NO				
K214 D636 GND	11	9	10		DRIVES COOLING DOORS FULL OPEN	INHIBITS R PACK TEMP CONTROL BITE	21-51-04	
	7	14	8		INPUT TO APU		49-61-01	
	5	3	4			PROVIDES INPUT TO R RAD ALTM, ILS, VOR, DME AND ADF BITE	34-33-02	
	1	13	2			INHIBITS APU SHUTDOWN (BAT. SW OFF)	49-61-01	
K215 D1872 GND	11	9	10		PROVIDES "ON GND" INPUT TO CSEU	PROVIDES "IN AIR" INPUT TO CSEU	27-09-06	
	1	13	2			ENABLES R STALL WARNING	27-32-02	
K219 D1870 AIR	5	3	4			INHIBITS APU GND FIRE WARNING HORN	26-15-02	
	7	14	8		ENABLES REV THRUST ISLN VALVE FAULT IND		78-36-01	
K10201 D1864 GND	5	3	4			AIR SUPPLY APU VALVE CONTROL	36-11-03	
	7	14	8		R PACK-HI FLOW CONTROL WITH APU OR GND AIR		21-51-02	
K10203 D632 AIR	5	3	4		ENABLES EXT PWR PRIORITY OVER R GCU		24-22-02	
	1	13	2			ENABLES ELEC LOAD SHED RESET	24-51-10	
K10239 D2676 GND	7	14	8		INPUTS FLIGHT COMPLETE TO TCAS		34-45-01	
	7	14	8		ENABLES AUTO. BRAKE AFTER WHEEL SPIN UP		32-42-03	
K10308 D4090 GND	D2	D3	D1		ENABLES CAPT AND L AUX P/S LO HT		30-31-01	
	B2	B3	B1			ENABLES L AUX P/S FAULT IND	30-31-01	
	C2	C3	C1		ENABLES P2/T2 PROBE HEAT IND - R ENG RUNNING		30-34-01	
	A2	A3	A1			ENABLES CAPT P/S FAULT IND	30-31-01	
K10309 D4092 GND	D2	D3	D1			ENABLES F/O P/S FAULT IND	30-31-02	
	C2	C3	C1			ENABLES R AUX P/S FAULT IND	30-31-02	
	B2	B3	B1		ENABLES F/O AND R AUX P/S LO HT		30-31-02	
	A2	A3	A1		ENABLES F/O AND R AUX P/S LO HT	ENABLES F/O P/S HI HT	30-31-02	
K10386 D4674 NOT TILTED	7	14	8	}	PROVIDES "ON GND" INPUT TO CSEU (MULTI-FUNCTIONS)	PROVIDES "IN AIR" INPUT TO CSEU (MULTI FUNCTIONS)	27-09-06	
	5	3	4					27-09-06
	1	13	2					27-09-06
K10387 D4676 NOT TILTED	1	13	2		PROVIDES "ON GND" INPUT TO CSEU	PROVIDES "IN AIR" INPUT TO CSEU	27-09-06	

003-099	LANDING GEAR AIR/GROUND RELAYS
D280N032S	

32-09-02

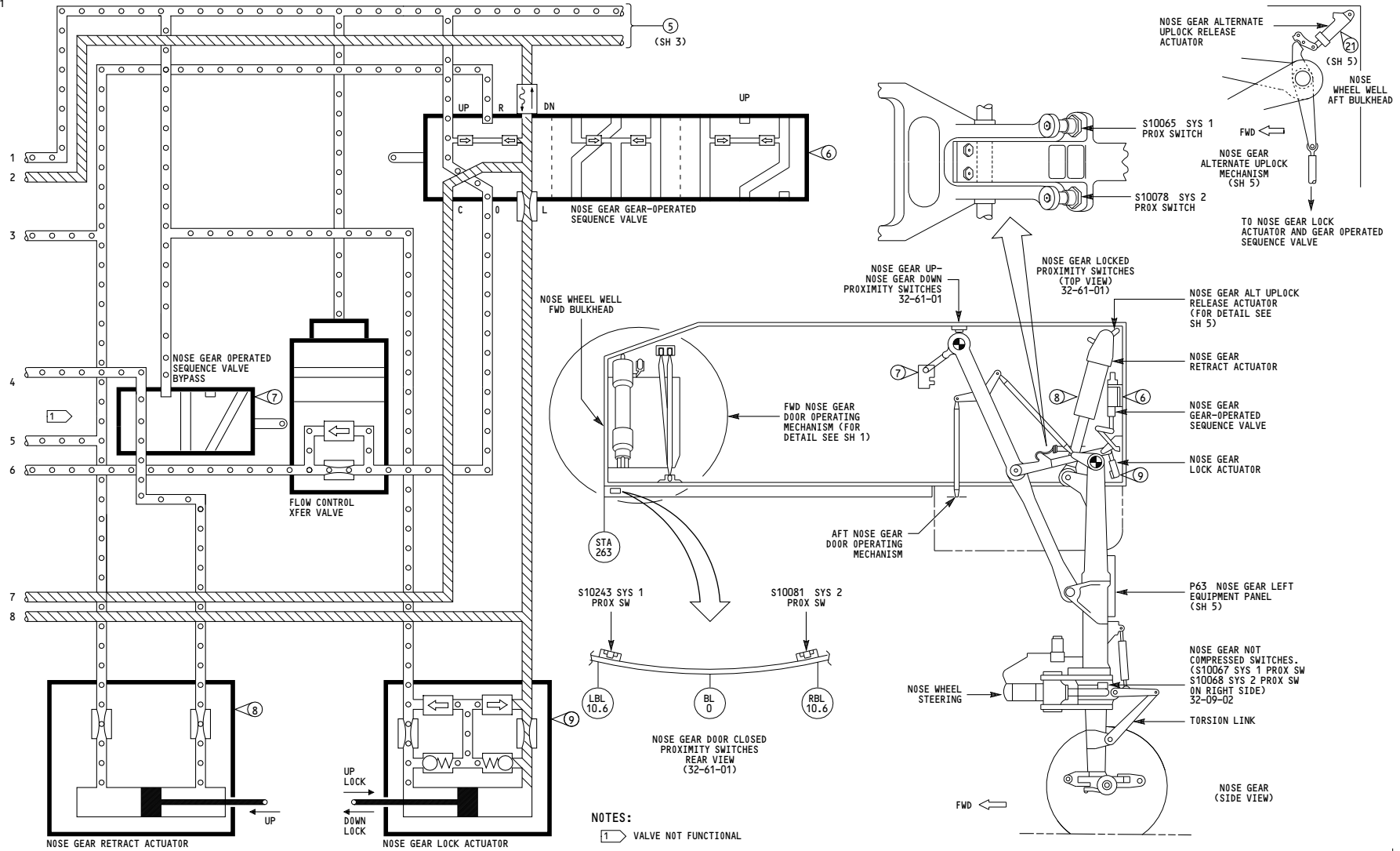
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ALL	<p>LANDING GEAR EXTENSION AND RETRACTION</p> <p>D280N032S</p>
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32-30-01

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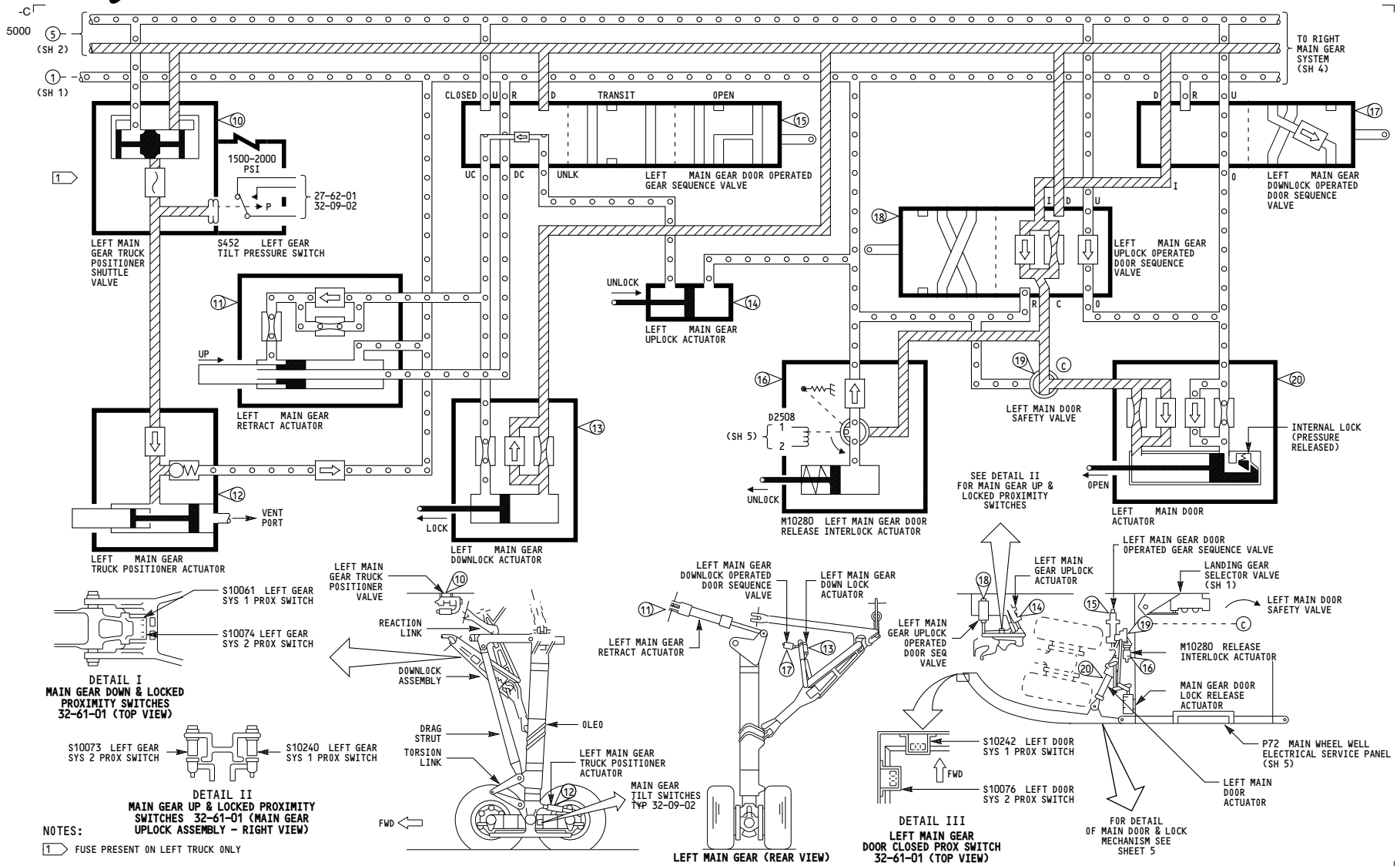
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LANDING GEAR EXTENSION AND RETRACTION

D280N032S

32-30-01

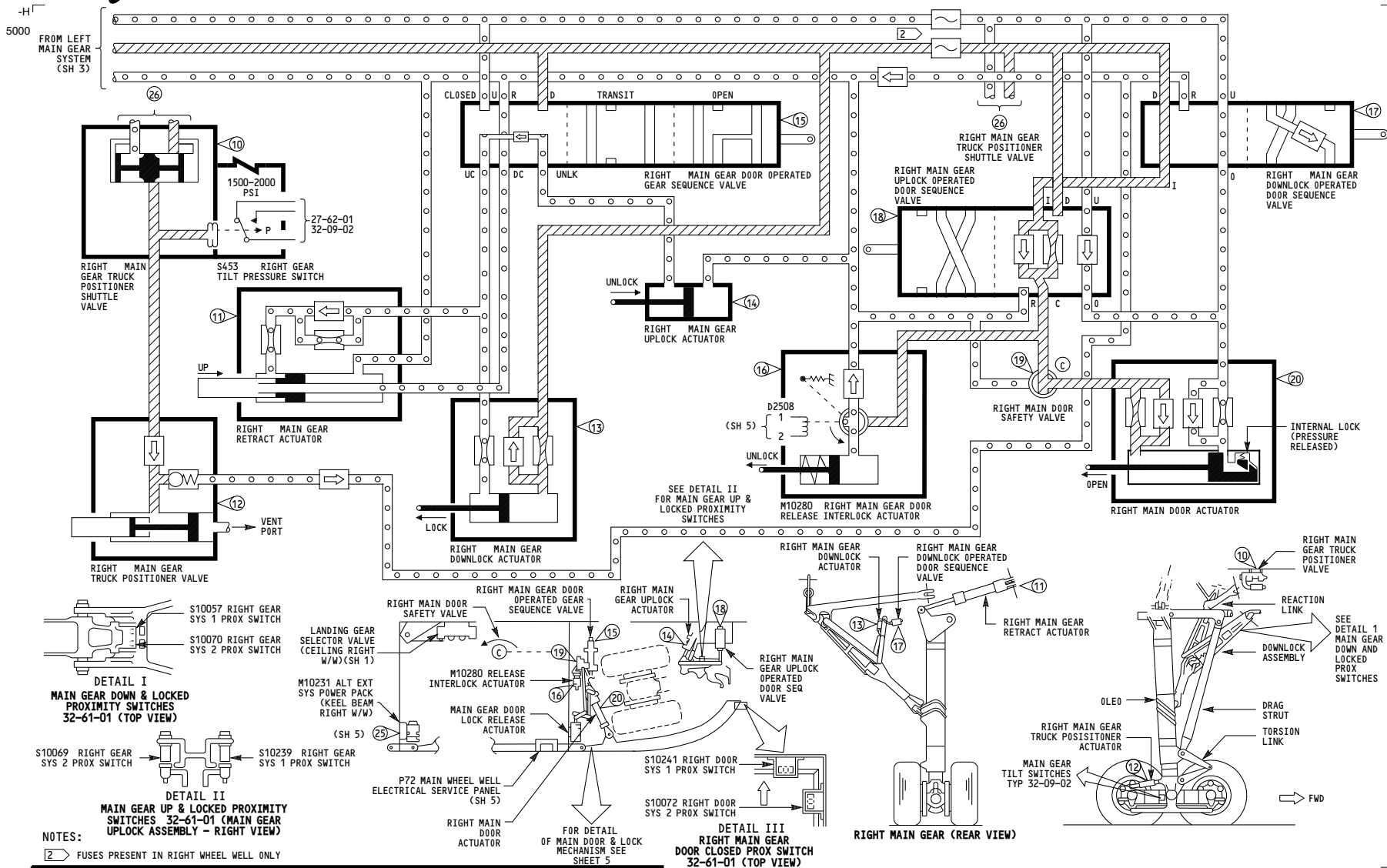
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Sheet 2
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NOTES:
 1 FUSE PRESENT ON LEFT TRUCK ONLY

ALL	<p>LANDING GEAR EXTENSION AND RETRACTION</p> <p>D280N032S</p>
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32-30-01



NOTES:
 2 FUSES PRESENT IN RIGHT WHEEL WELL ONLY

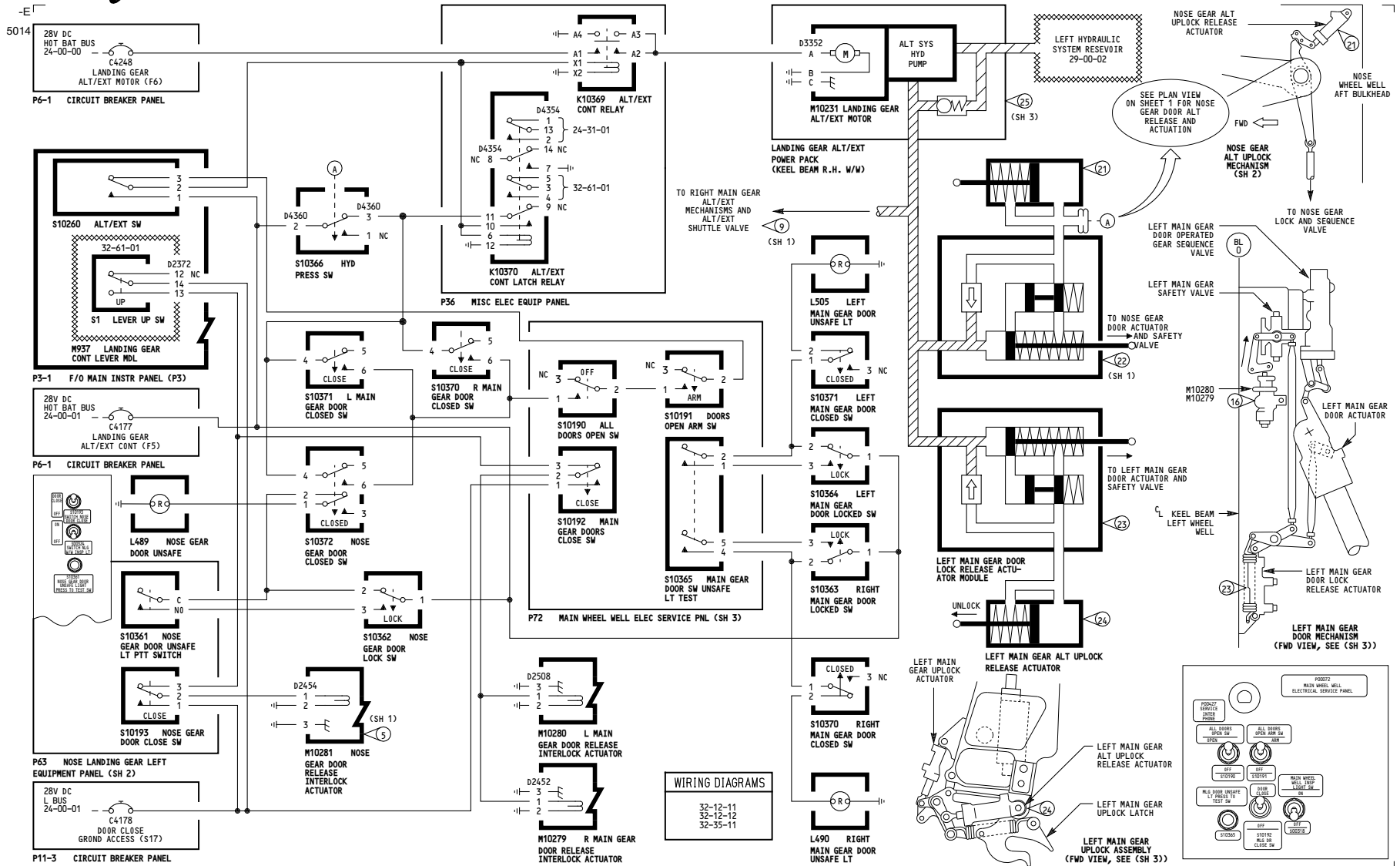
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LANDING GEAR EXTENSION AND RETRACTION

D280N032S

32-30-01

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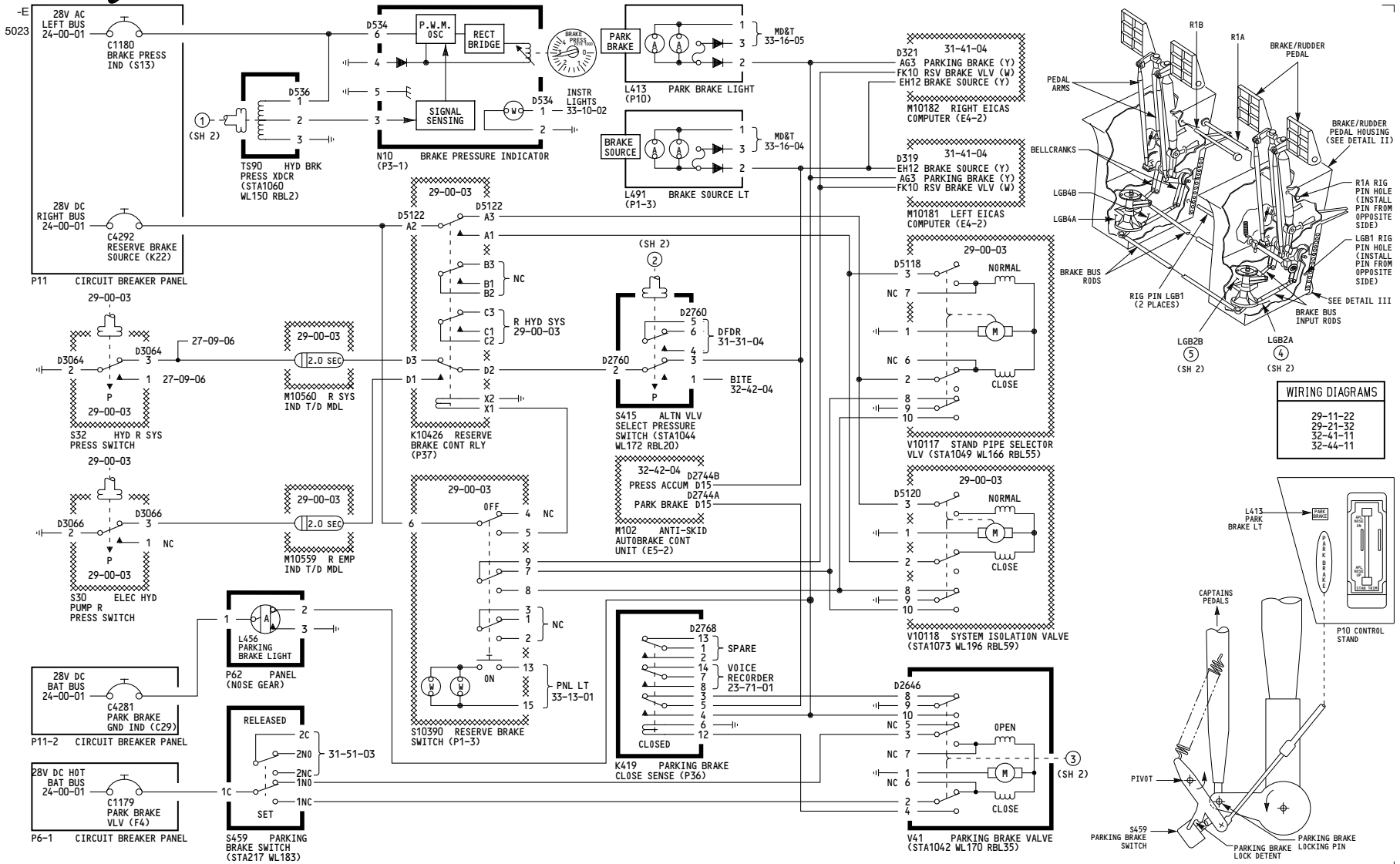
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LANDING GEAR EXTENSION AND RETRACTION

D280N032S

32-30-01

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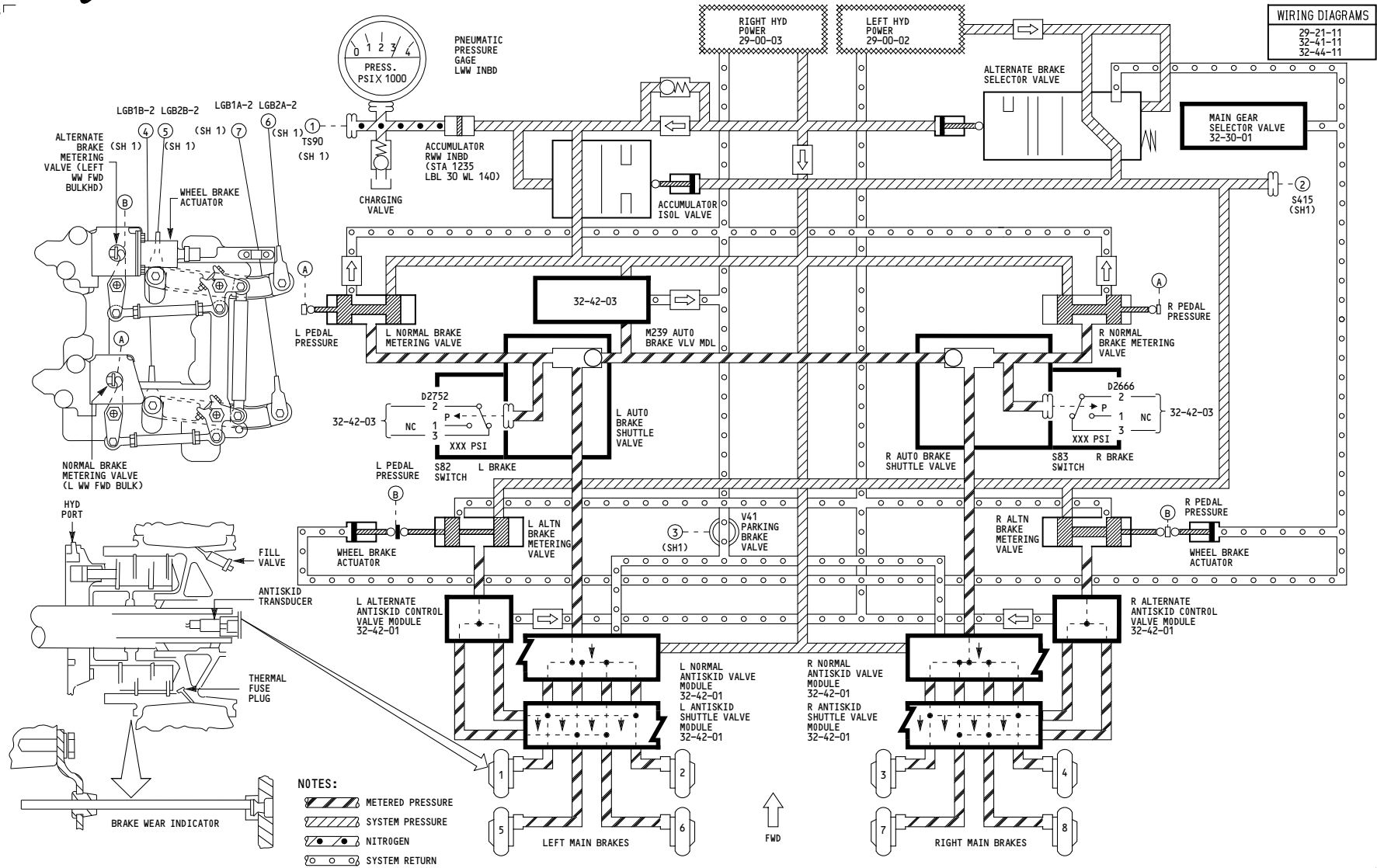
WIRING DIAGRAMS

29-11-22
29-21-32
32-41-11
32-44-11

ALL	<p>BRAKE SYSTEM</p> <p>D280N032S</p>
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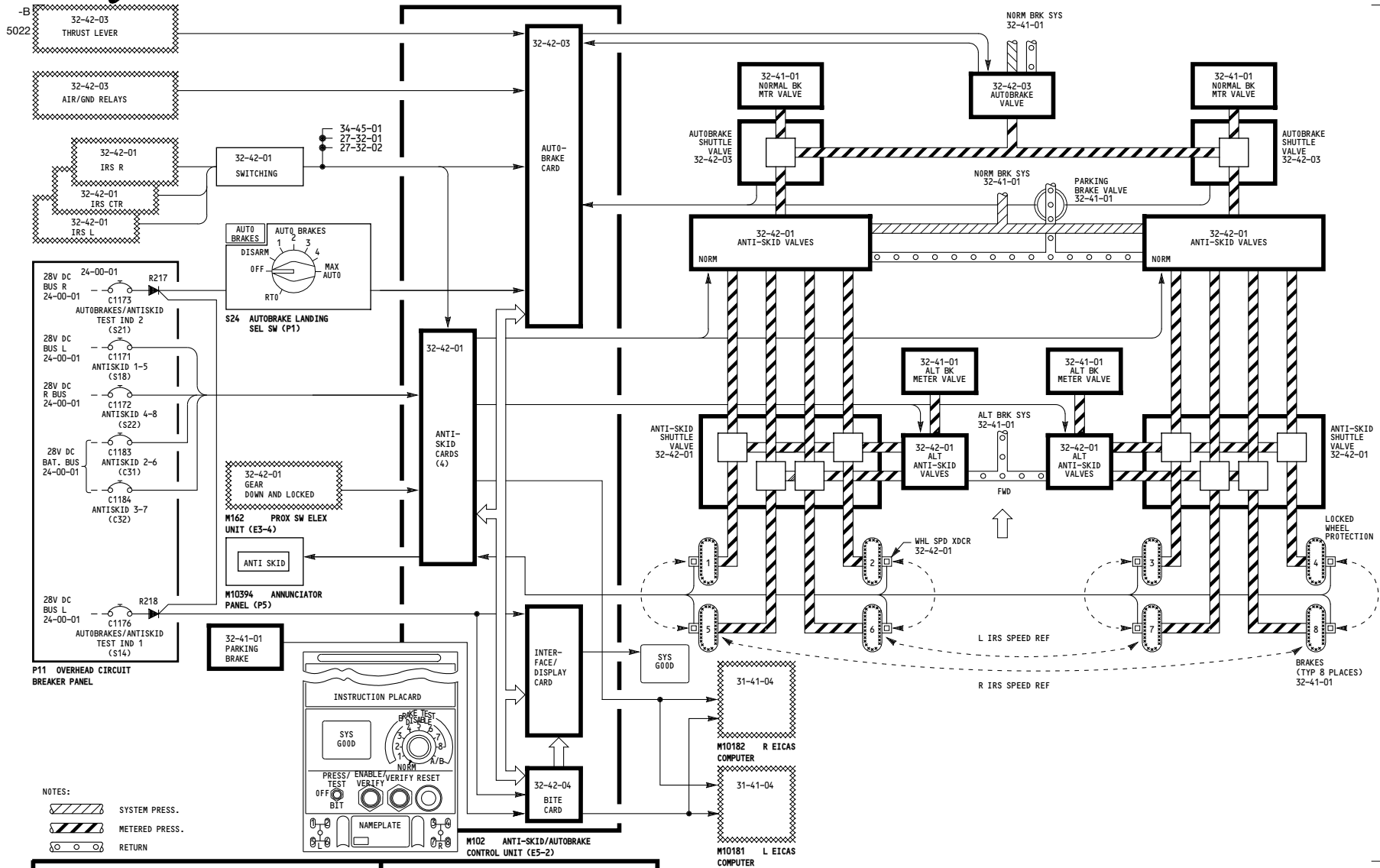
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ALL	BRAKE SYSTEM
	D280N032S

32-41-01



- NOTES:
- SYSTEM PRESS.
 - METERED PRESS.
 - RETURN

ALL	ANTI-SKID/AUTOBRAKE SYSTEM - SIMPLIFIED
D280N032S	

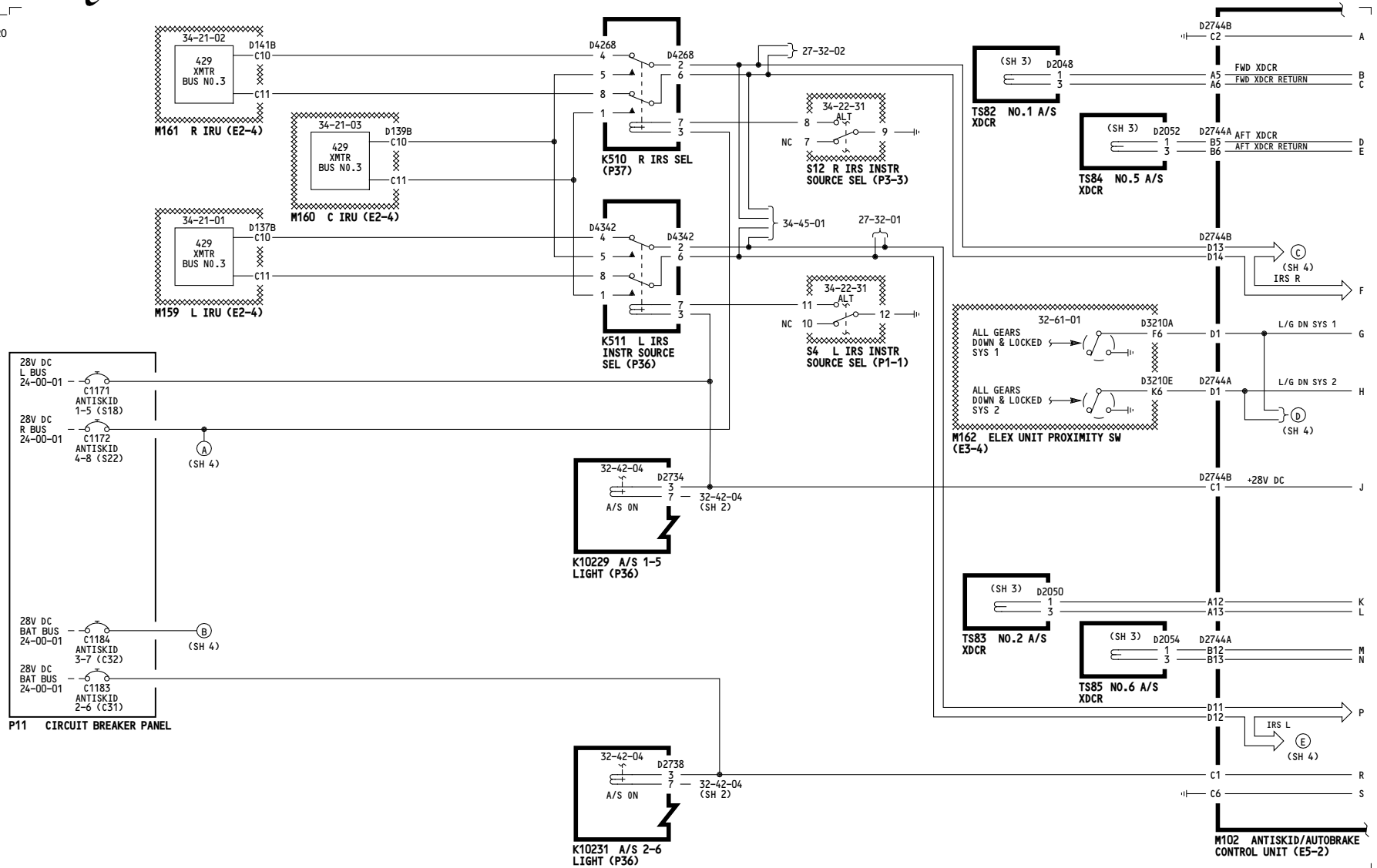
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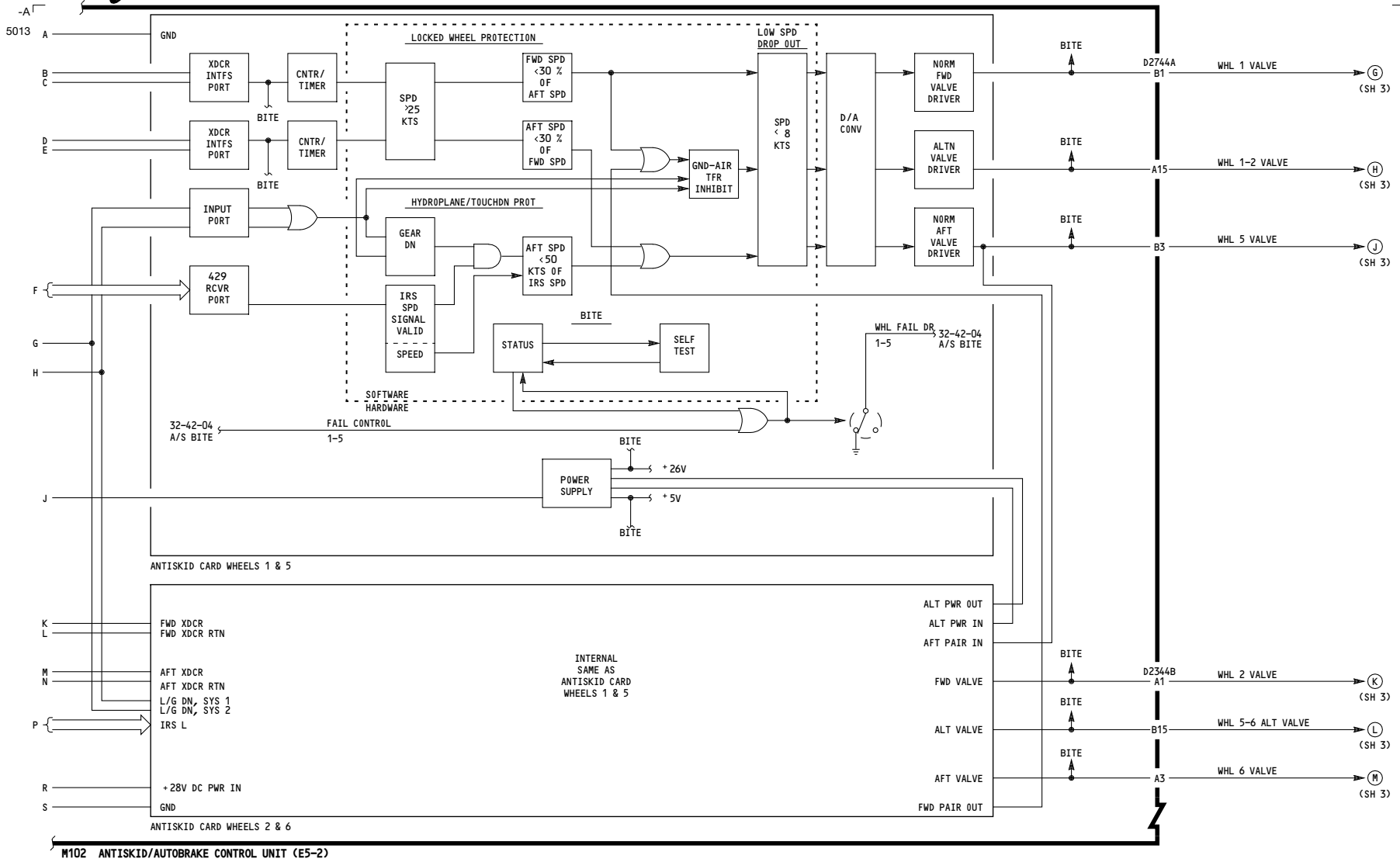
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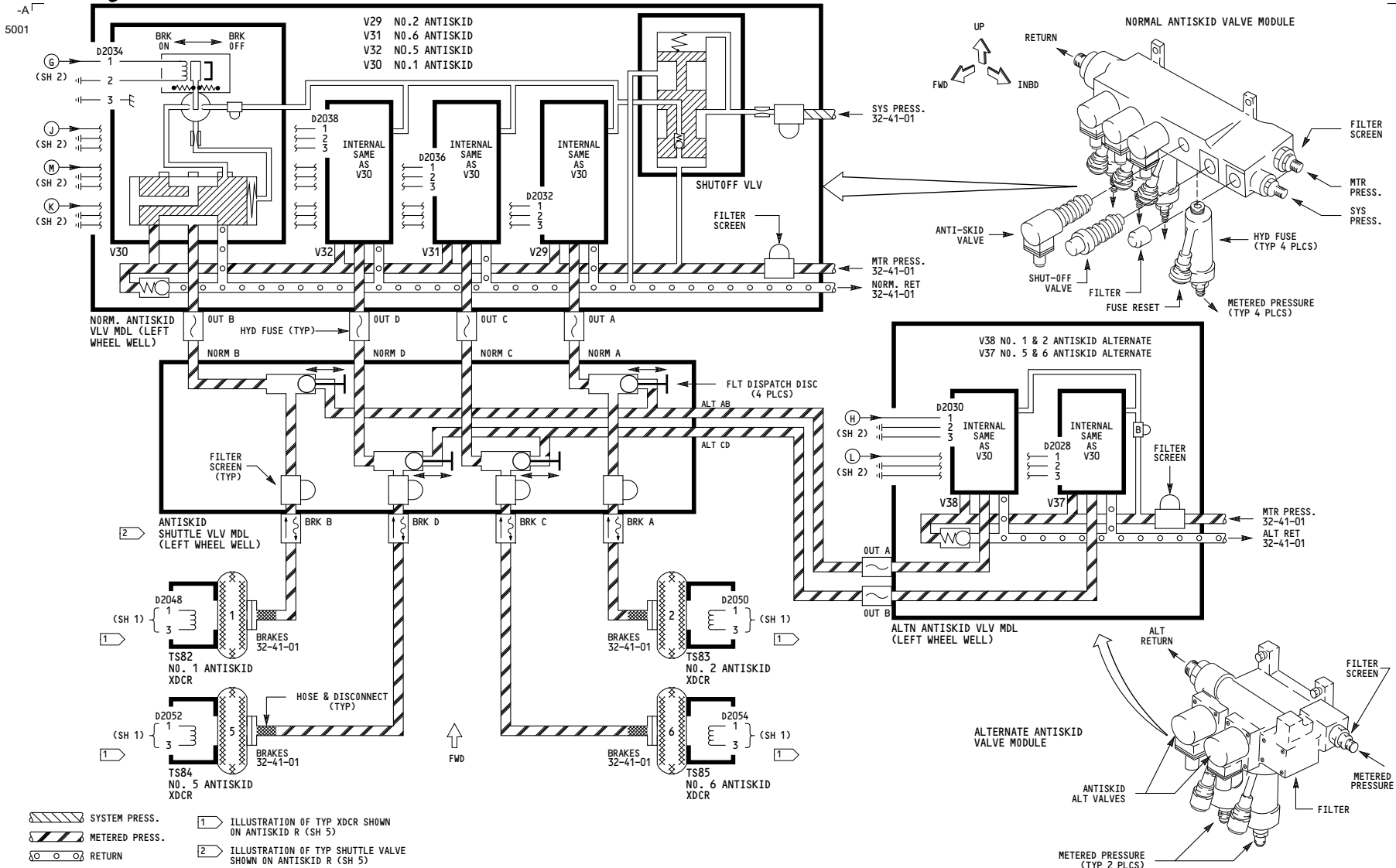
ALL	ANTI-SKID SYSTEM
	D280N032S

32-42-01



ALL	ANTI-SKID SYSTEM
	D280N032S

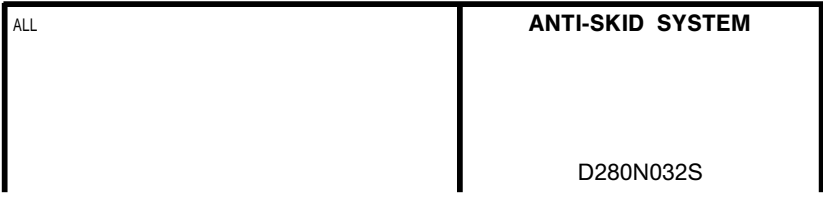
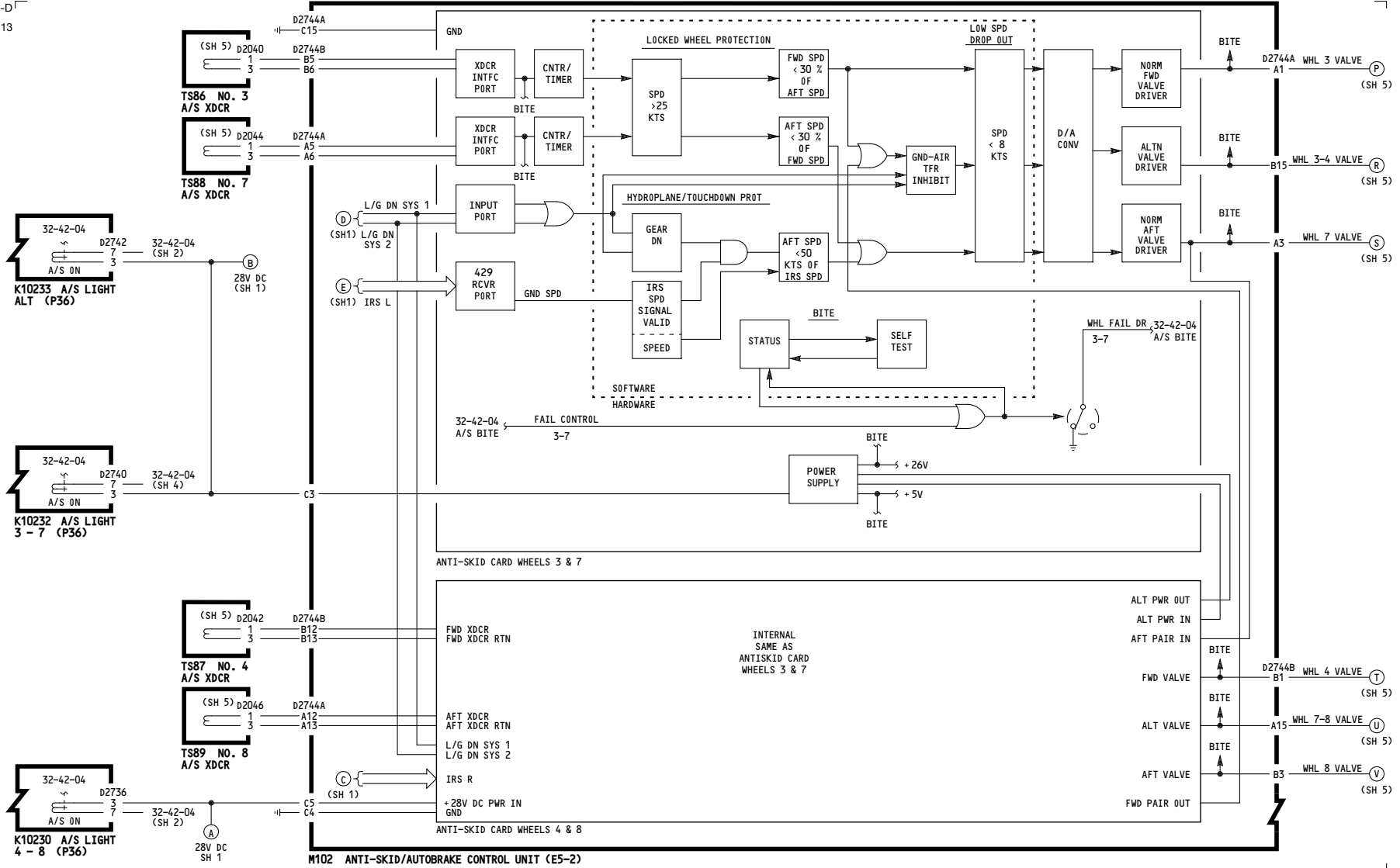
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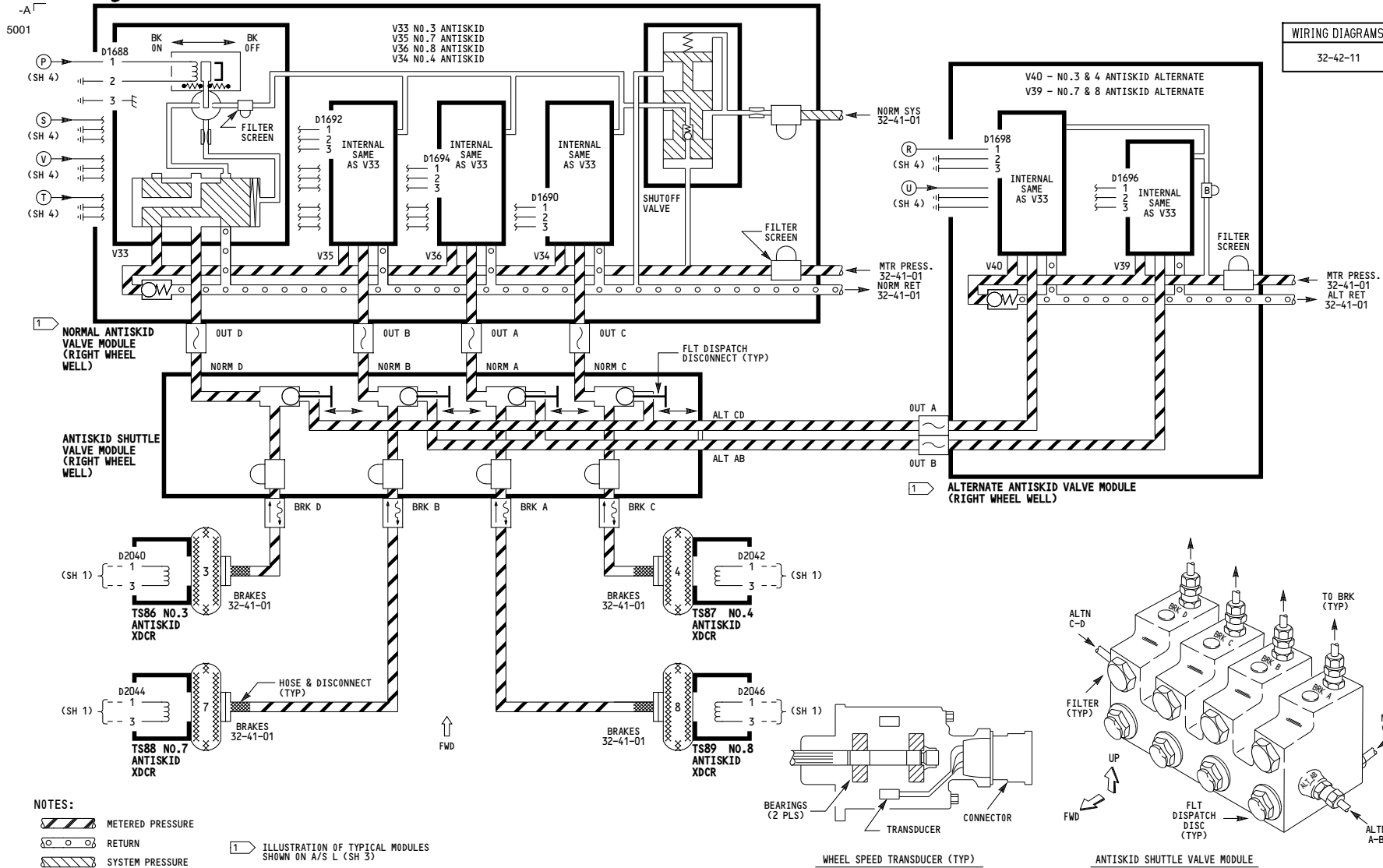
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	D280N032S

32-42-01

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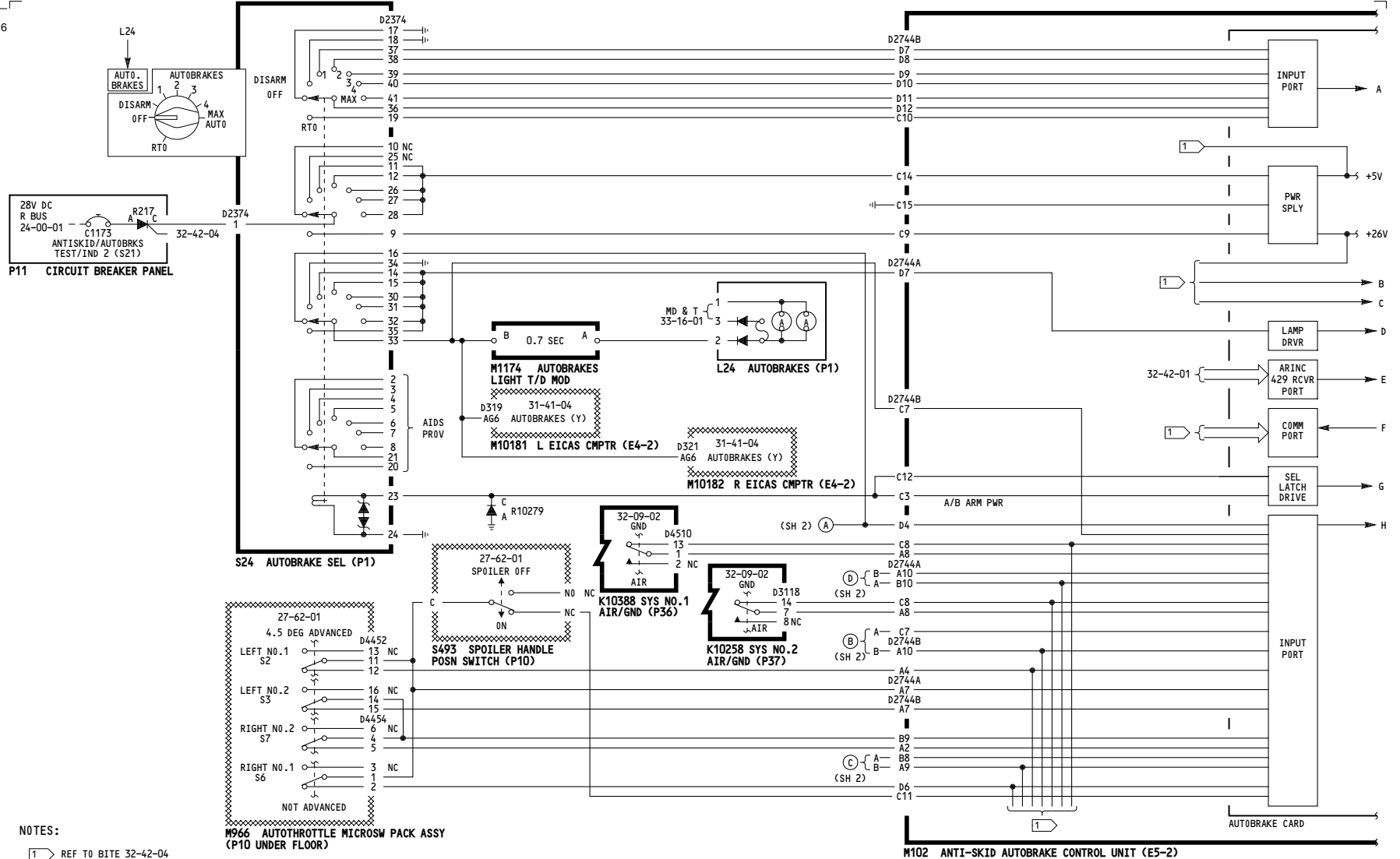


ALL	ANTI-SKID SYSTEM
	D280N032S

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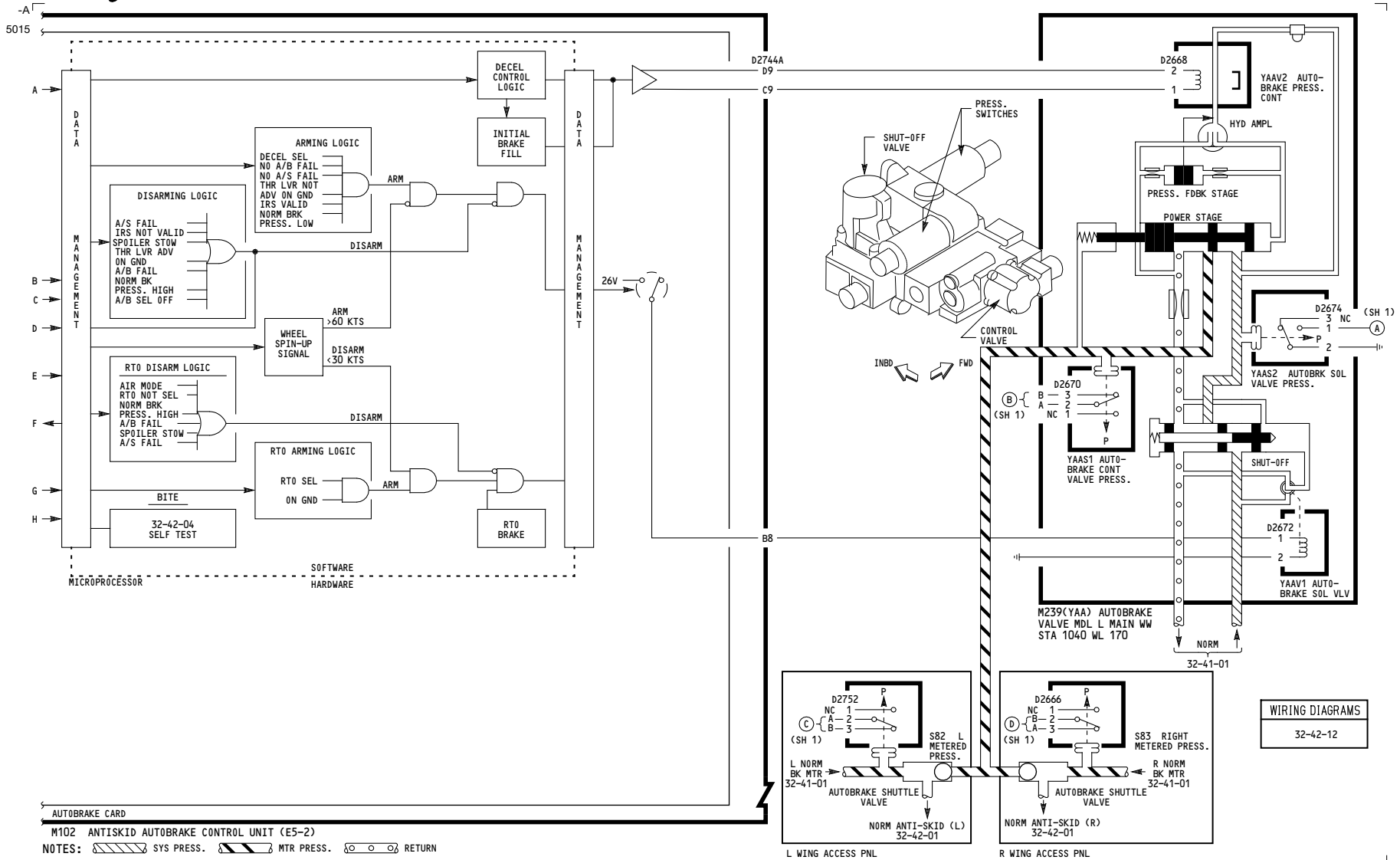


NOTES:
 1 REF TO BITE 32-42-04

ALL	AUTOBRAKE SYSTEM
	D280N032S

32-42-03

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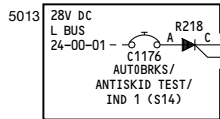
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AUTOBRAKE SYSTEM

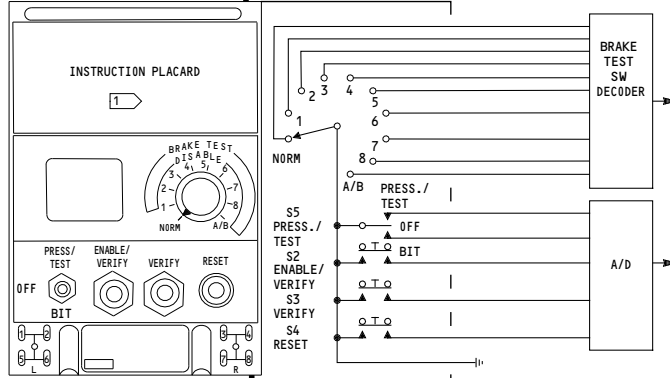
D280N032S

32-42-03

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P11 CIRCUIT BREAKER PANEL



NOTES:

DISPLAY TEST - SELECT "PRESS/TEST"
ALL DISPLAY SEGMENTS LIGHT, ALL A/S & A/B INDICATORS LIGHT, TAXI SPEED (OPT) READS 15 KNOTS

MEMORY RECALL - SELECT "BIT" "TEST END" OR STORED FAILURE DISPLAYED. SELECT "BIT" TO CONTINUE

WARNING: TESTS APPLY AND RELEASE BRAKES. VERIFY AREA AROUND BRAKES IS CLEAR

AIRCRAFT CONFIGURATION - CHOCK WHEELS, RELEASE PARKING BRAKE. PRESSURIZE RIGHT & LEFT HYD SYSTEMS. THRUST LEVERS IN IDLE, SPOILERS STOWED, IRS IN "NAV" MODE. ANTISKID SWITCH (OPT) ON. ANTISKID/AUTOBRAKE CONTROL TEST - ARM A/B POSITION 1 ROTARY SW IN "NORM" POSITION. DEPRESS "ENABLE/VERIFY" AND HOLD. THEN DEPRESS "VERIFY" RELEASE BOTH.

"TEST END" OR FAILED LRU DISPLAYED. DEPRESS "VERIFY" TO CONTINUE.

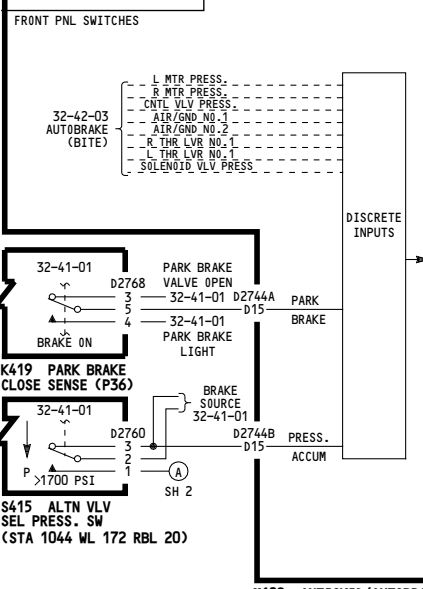
NORMAL ANTISKID BRAKE TEST - FULLY DEPRESS BRAKE PEDALS. ROTARY SW IN "BRAKE TEST 1" POSITION. DEPRESS "ENABLE/VERIFY" AND HOLD. THEN DEPRESS VERIFY RELEASE BOTH REPEAT FOR POSITIONS 2-8. RELEASE BRAKE PEDALS. SELECTED BRAKE DISPLAYED RELEASES THEN REAPPLIES.

ALTERNATE ANTISKID BRAKE TEST - DEPRESSURIZE HYD SYSTEM R REPEAT ABOVE TEST

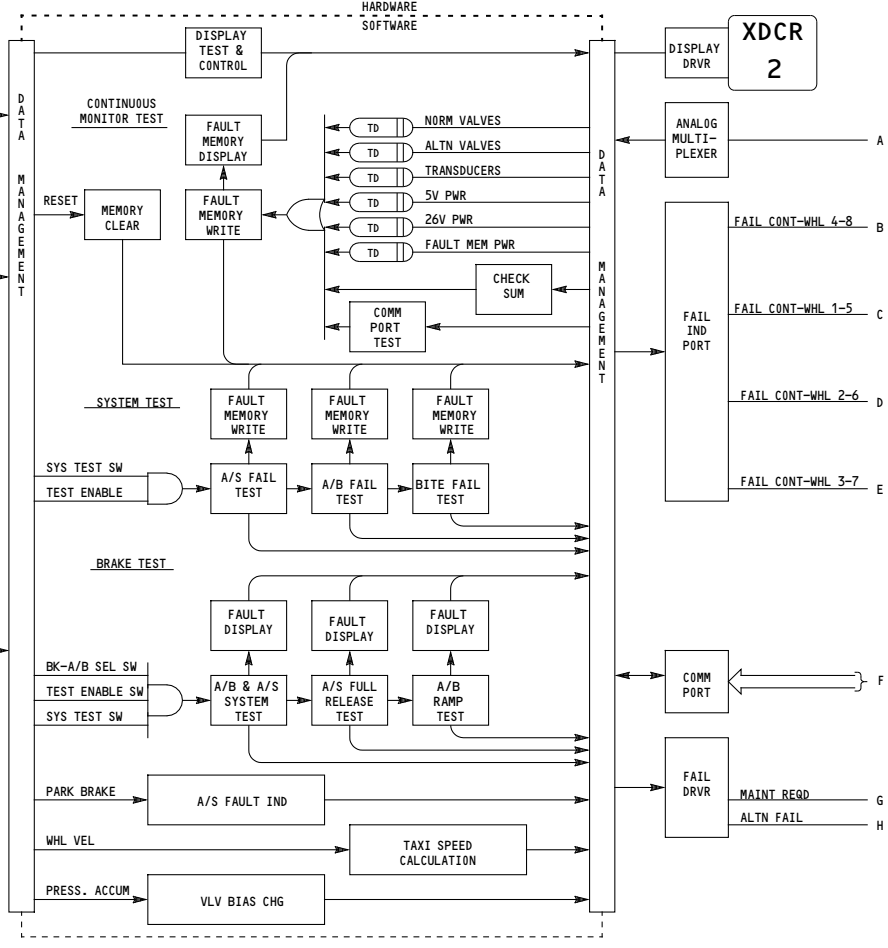
SELECTED BRAKE DISPLAYED. SELECTED BRAKE AND PAIRED BRAKE RELEASE. THEN REAPPLY.

AUTOBRAKE APPLICATION TEST - PRESSURIZE HYD SYS R ARM A/B POSITION 1. ROTARY SW IN "A/B" POSITION. DEPRESS "ENABLE VERIFY" AND HOLD. THEN DEPRESS "VERIFY". RELEASE BOTH REPEAT FOR POSITIONS 2,3,4, MAX AUTO. AND RTO (OPT)

A/B SW POSITION DISPLAYED. ALL BRAKES APPLY TO LIMIT. THEN TO 200-400 PSI. THE A/B DISARMS. MEMORY CLEAR-SELECT "RESET"



M102 ANTISKID/AUTOBRAKE CONTROL UNIT (E5-2)



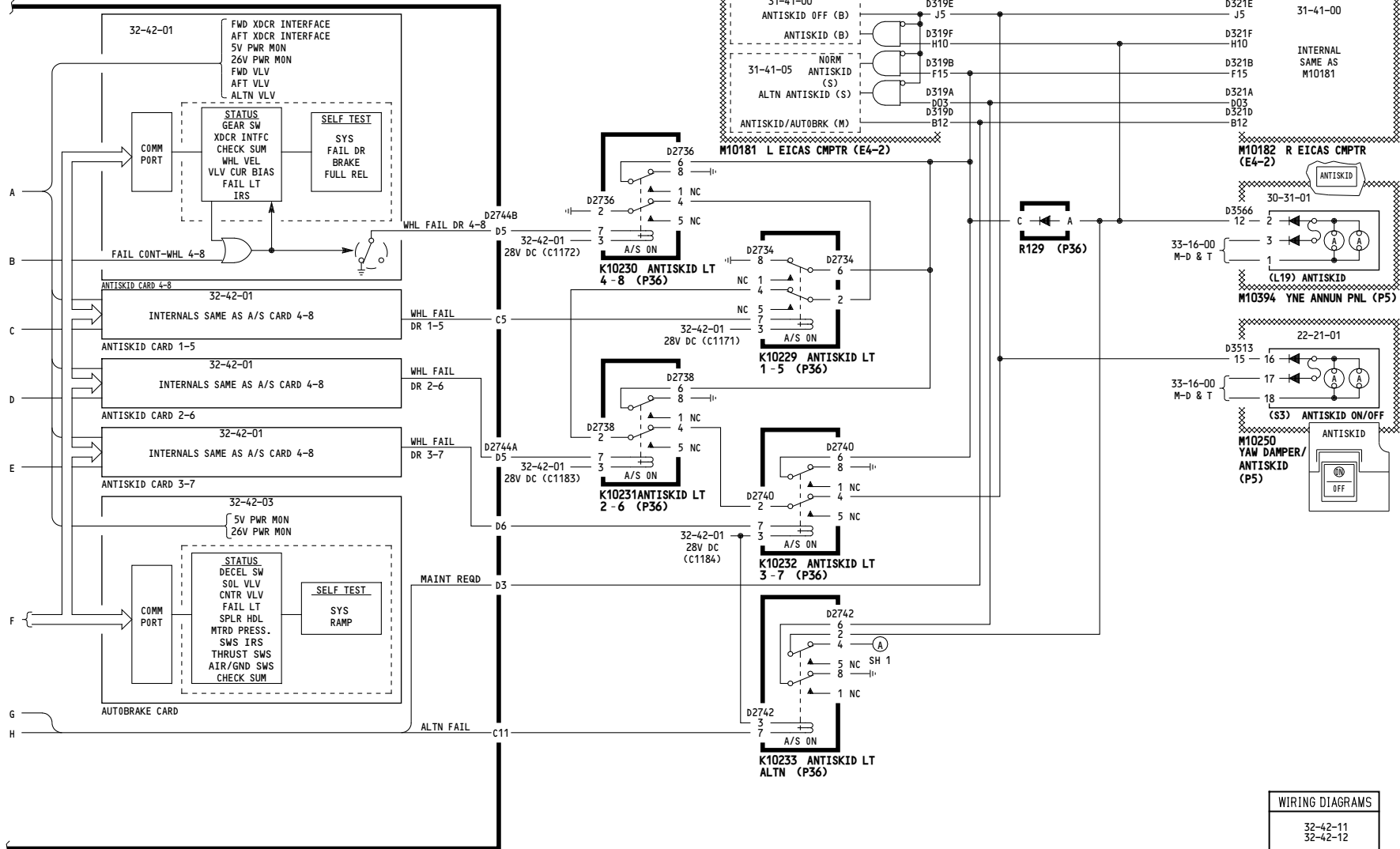
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ANTI-SKID/AUTOBRAKE - BITE

D280N032S

32-42-04

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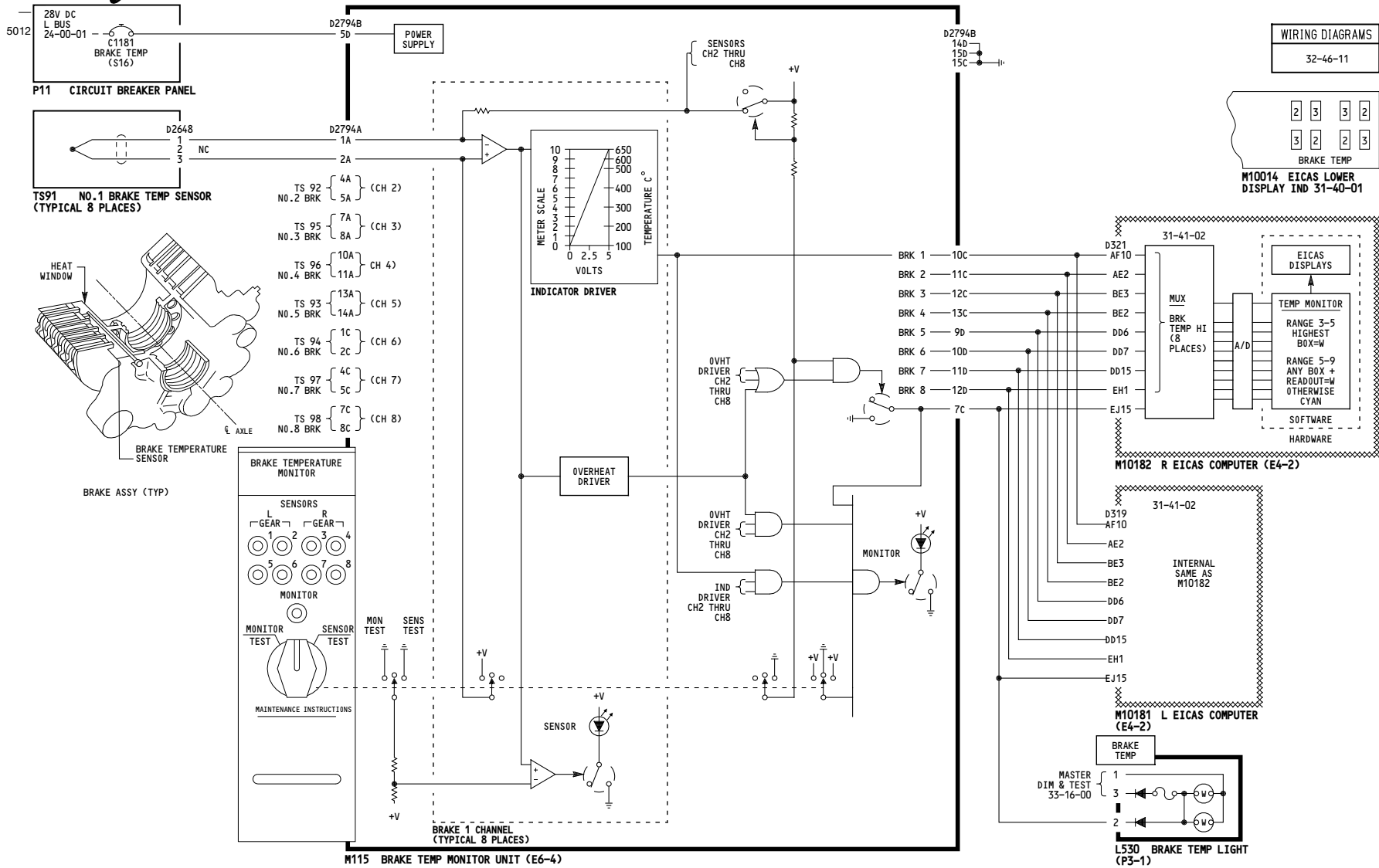


M102 ANTISKID/AUTOBRAKE CONTROL UNIT (E5-2)

ALL	<p align="center">ANTI-SKID/AUTOBRAKE - BITE</p> <p align="center">D280N032S</p>
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WIRING DIAGRAMS
32-42-11
32-42-12

32-42-04

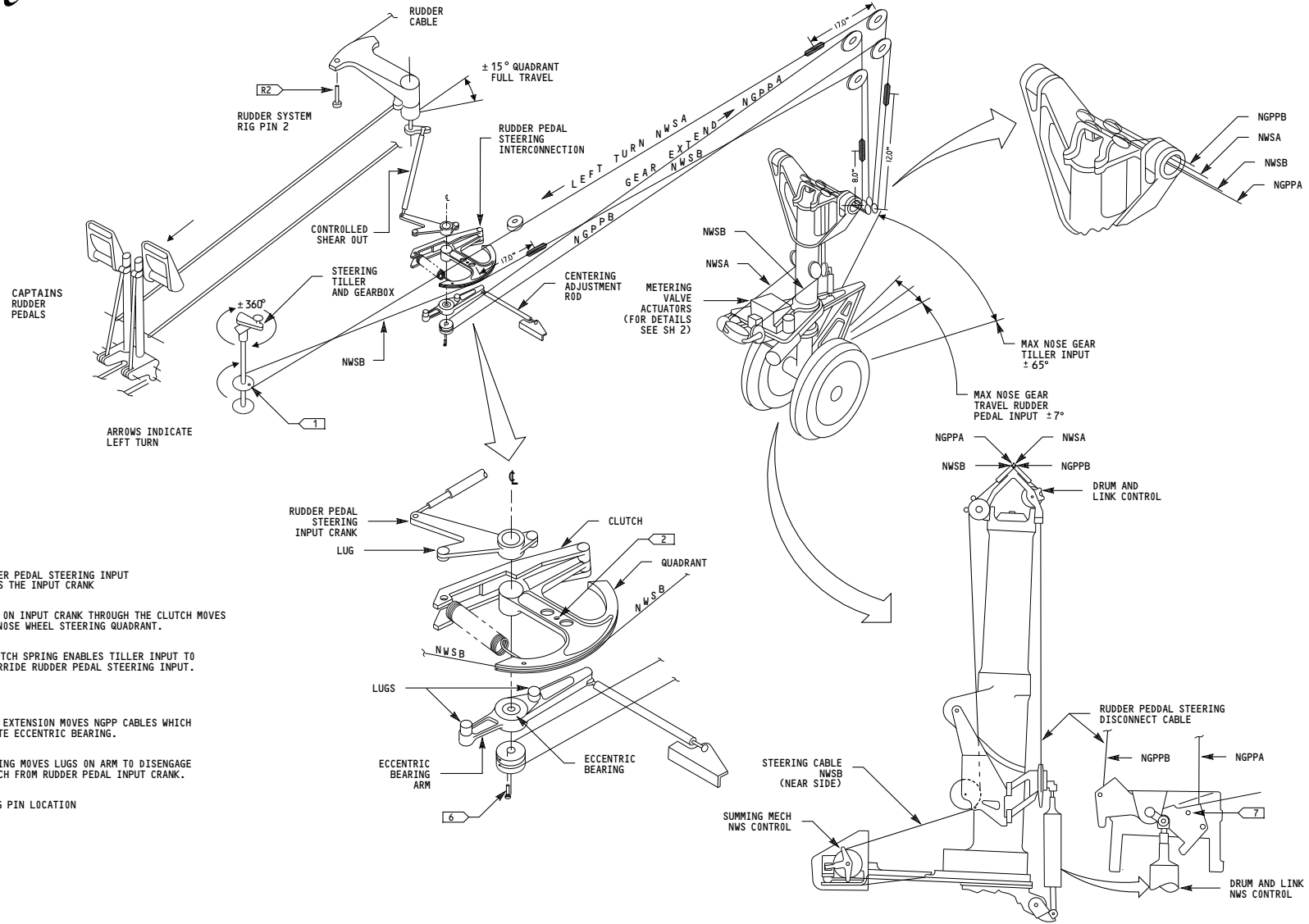


ALL	BRAKE TEMPERATURE MONITORING SYSTEM
	D280N032S

32-46-01

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-A
5000



ON GROUND

- ① RUDDER PEDAL STEERING INPUT MOVES THE INPUT CRANK
- ② LUGS ON INPUT CRANK THROUGH THE CLUTCH MOVES THE NOSE WHEEL STEERING QUADRANT.

NOTE: CLUTCH SPRING ENABLES TILLER INPUT TO OVERRIDE RUDDER PEDAL STEERING INPUT.

IN AIR

- ① OLEO EXTENSION MOVES NGPP CABLES WHICH ROTATE ECCENTRIC BEARING.
- ② BEARING MOVES LUGS ON ARM TO DISENGAGE CLUTCH FROM RUDDER PEDAL INPUT CRANK.

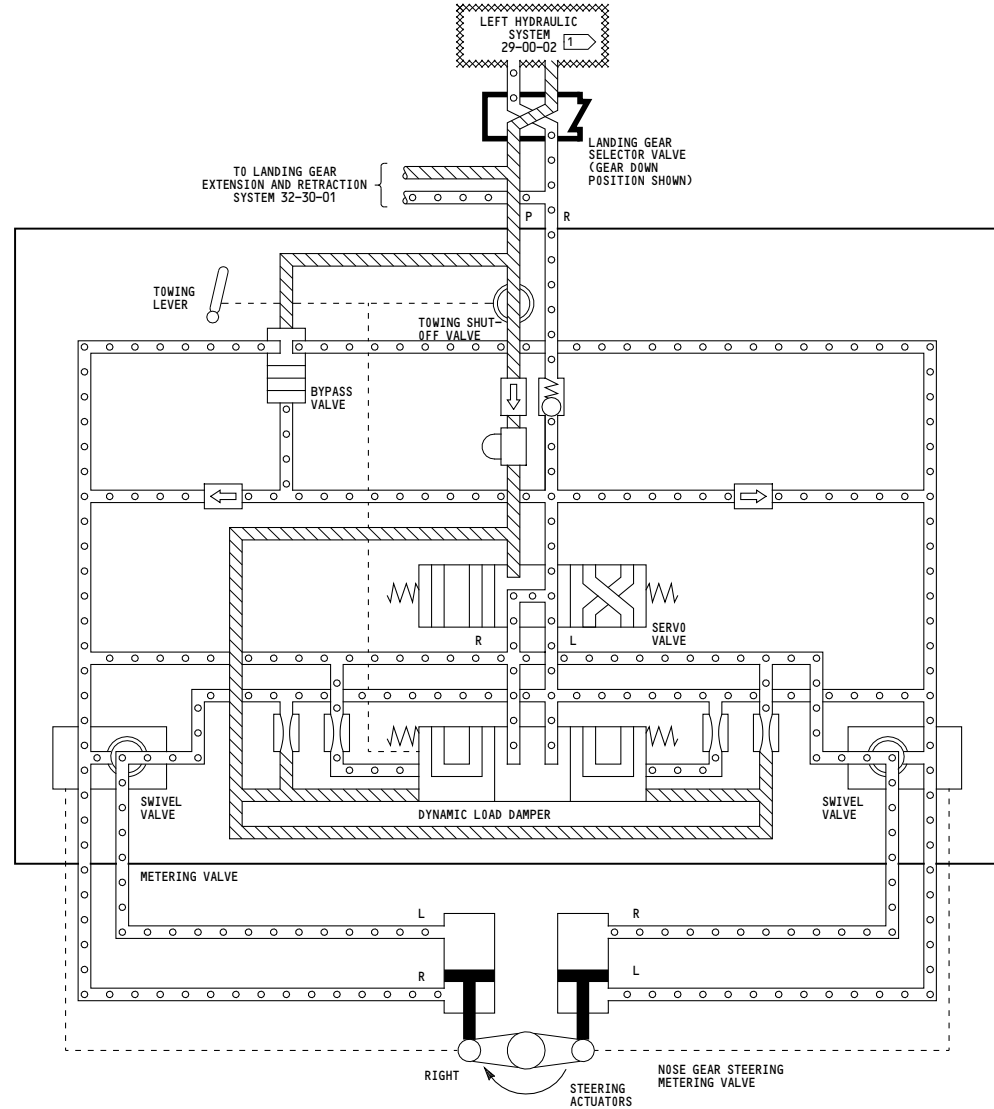
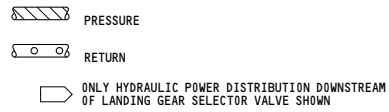
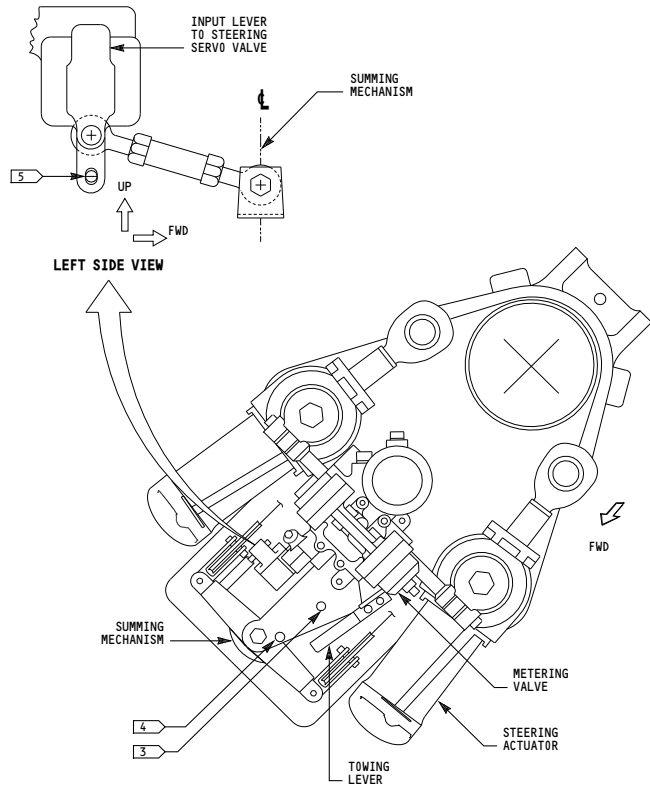
▭ RIG PIN LOCATION

ALL	NOSE WHEEL STEERING
	D280N032S

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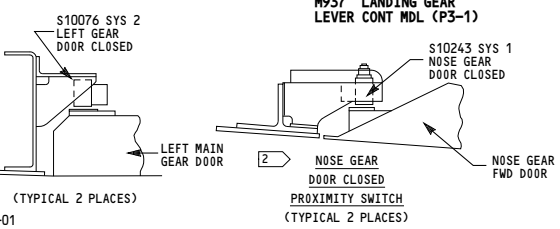
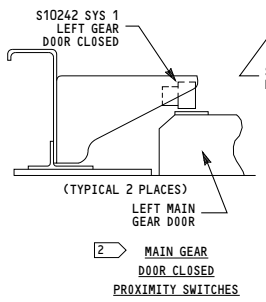
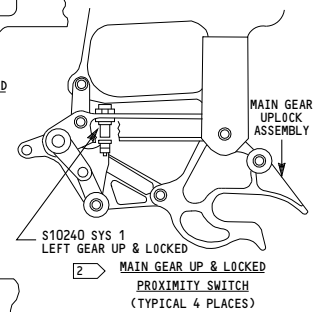
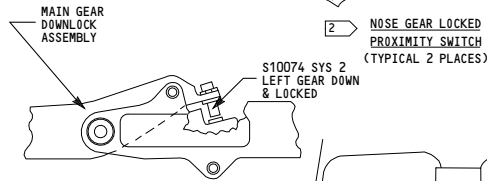
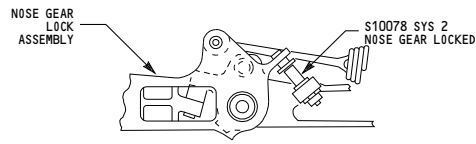
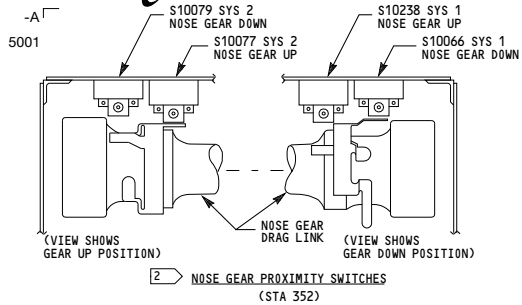
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ALL	<p align="center">NOSE WHEEL STEERING</p> <p align="center">D280N032S</p>
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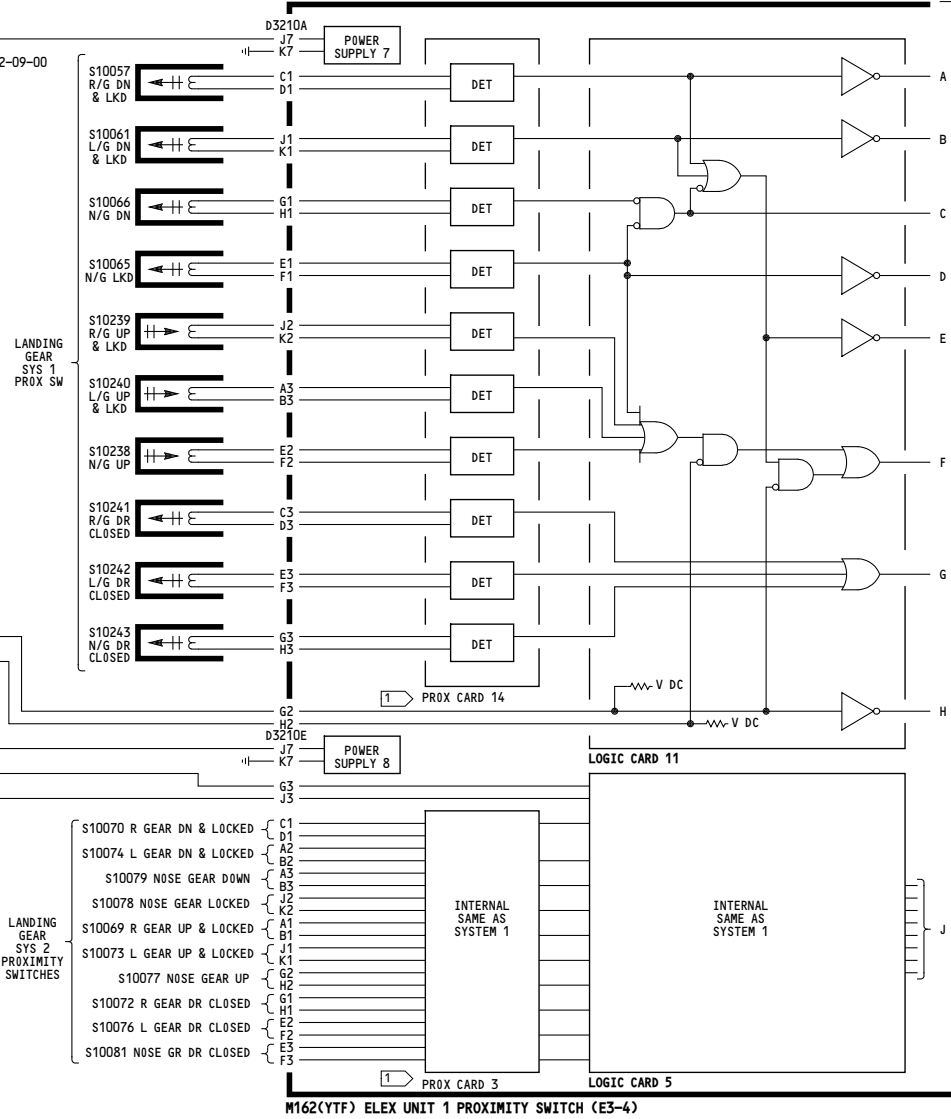
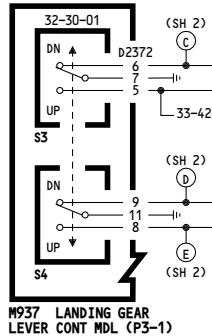
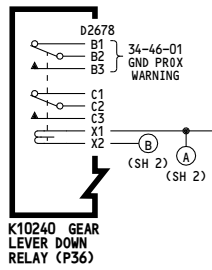
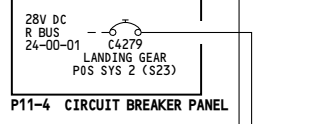
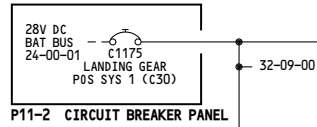
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1 DETECTION OUTPUT : LOGIC 1 WITH PROXIMITY SENSOR IN "TARGET FAR" MODE FOR GENERAL LOCATION SEE 32-30-01

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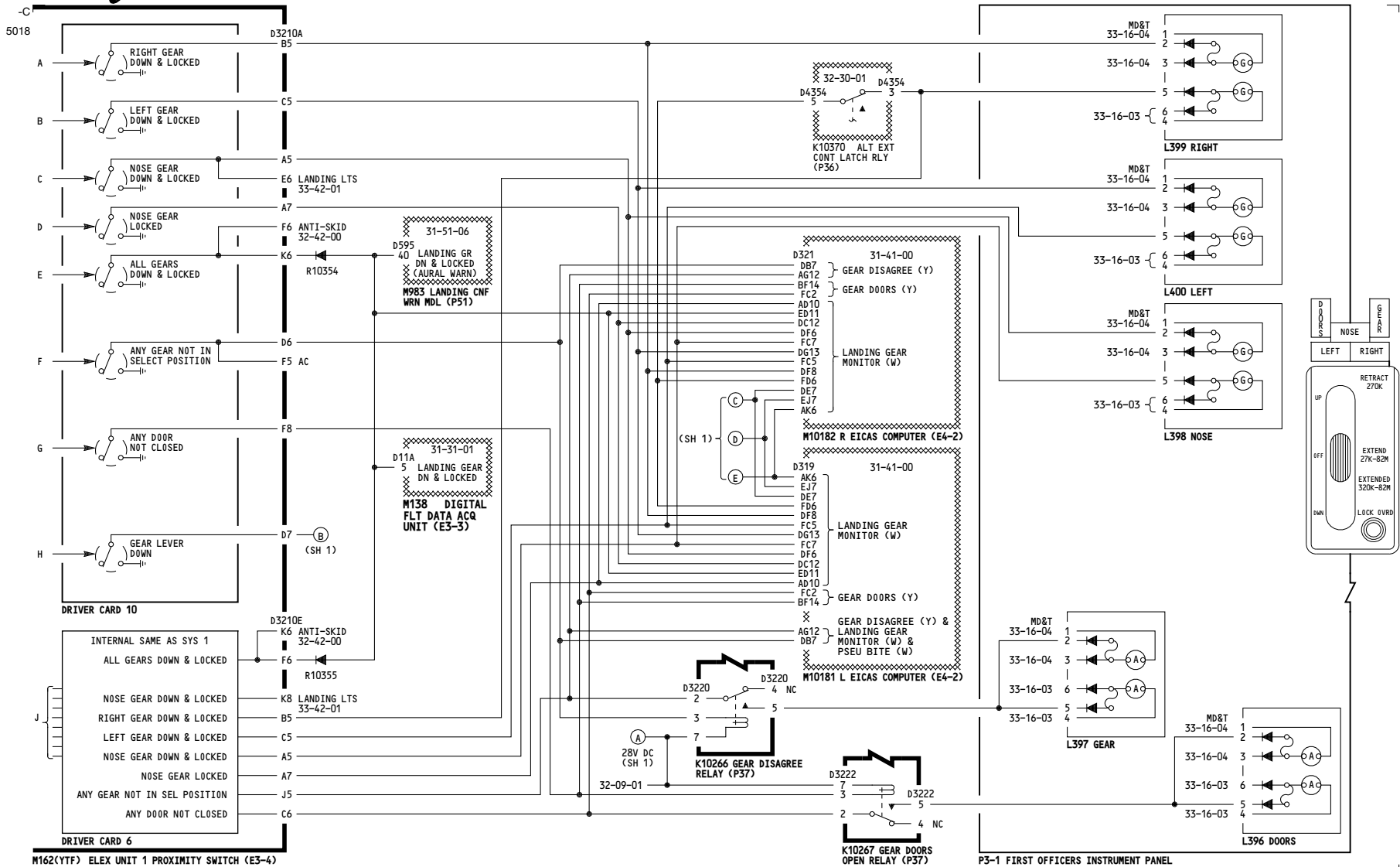


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LANDING GEAR POSITION INDICATING AND WARNING

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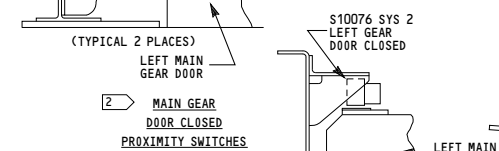
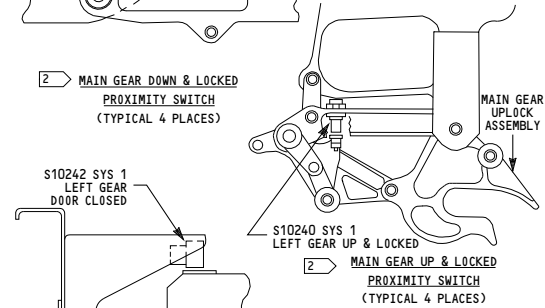
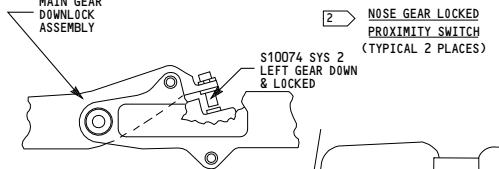
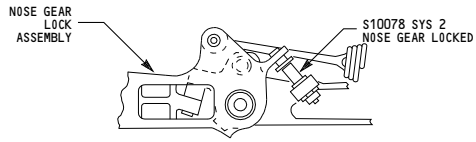
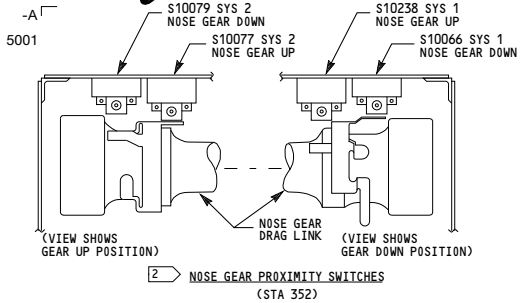
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LANDING GEAR POSITION INDICATING AND WARNING

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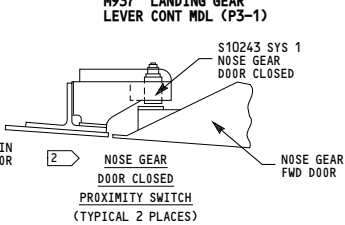
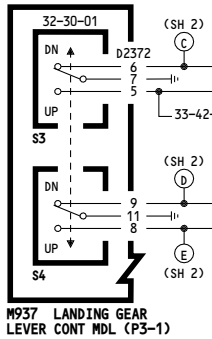
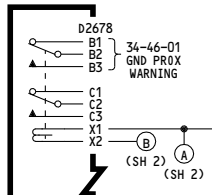
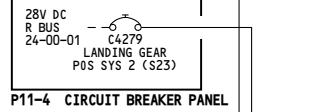
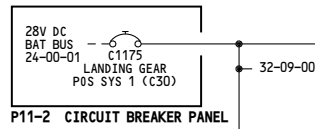
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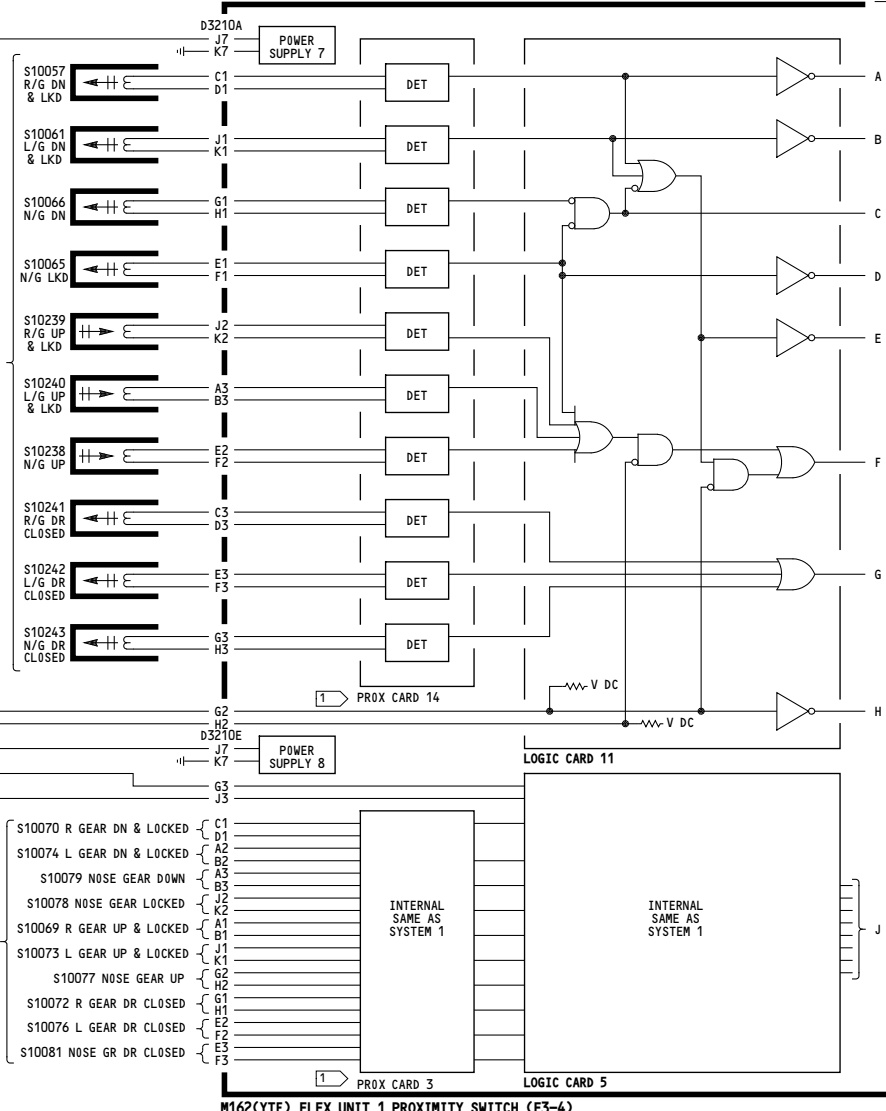
1 DETECTION OUTPUT : LOGIC 1 WITH PROXIMITY SENSOR IN "TARGET FAR" MODE FOR GENERAL LOCATION SEE 32-30-01

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LANDING GEAR SYS 1 PROX SW

LANDING GEAR SYS 2 PROXIMITY SWITCHES



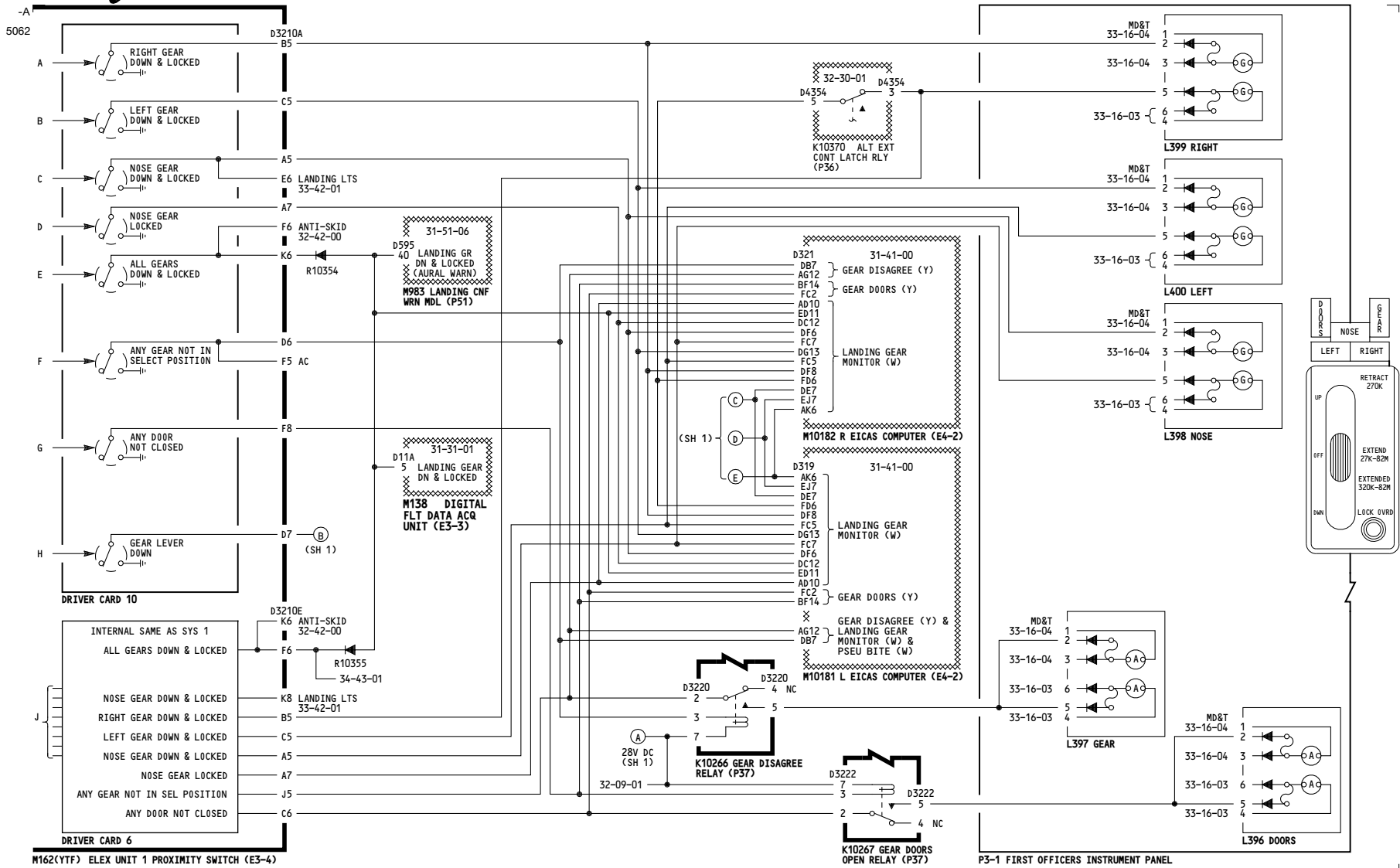
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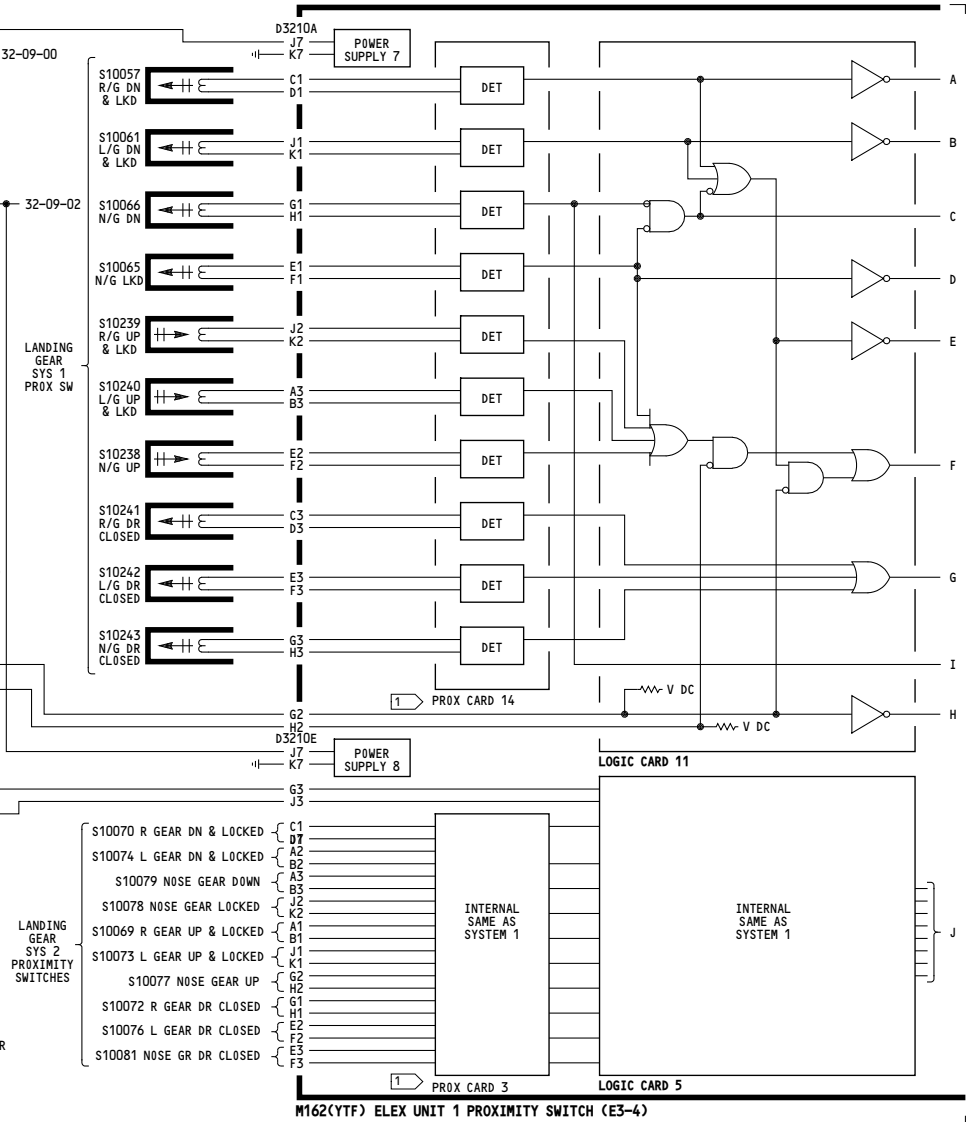
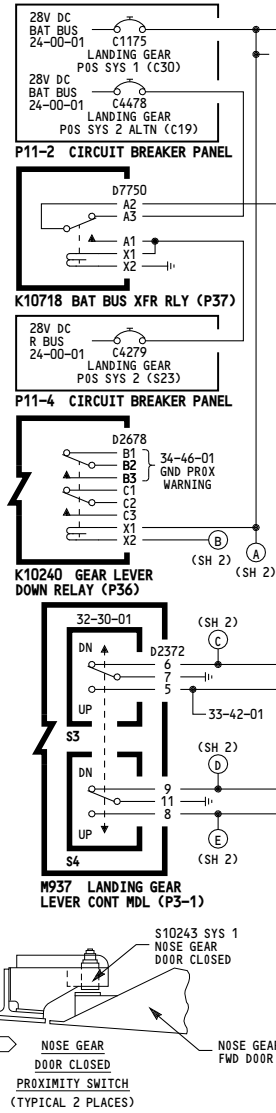
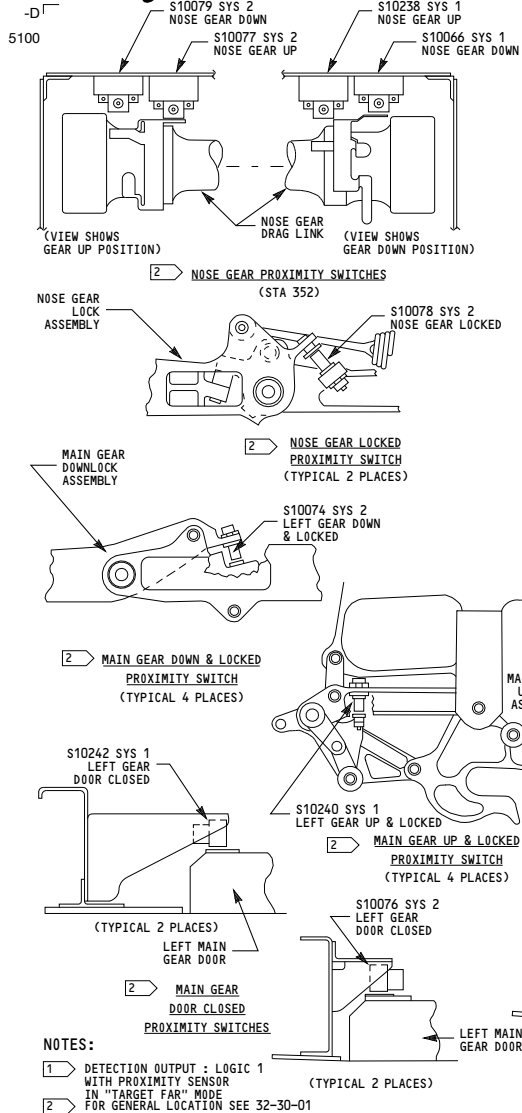
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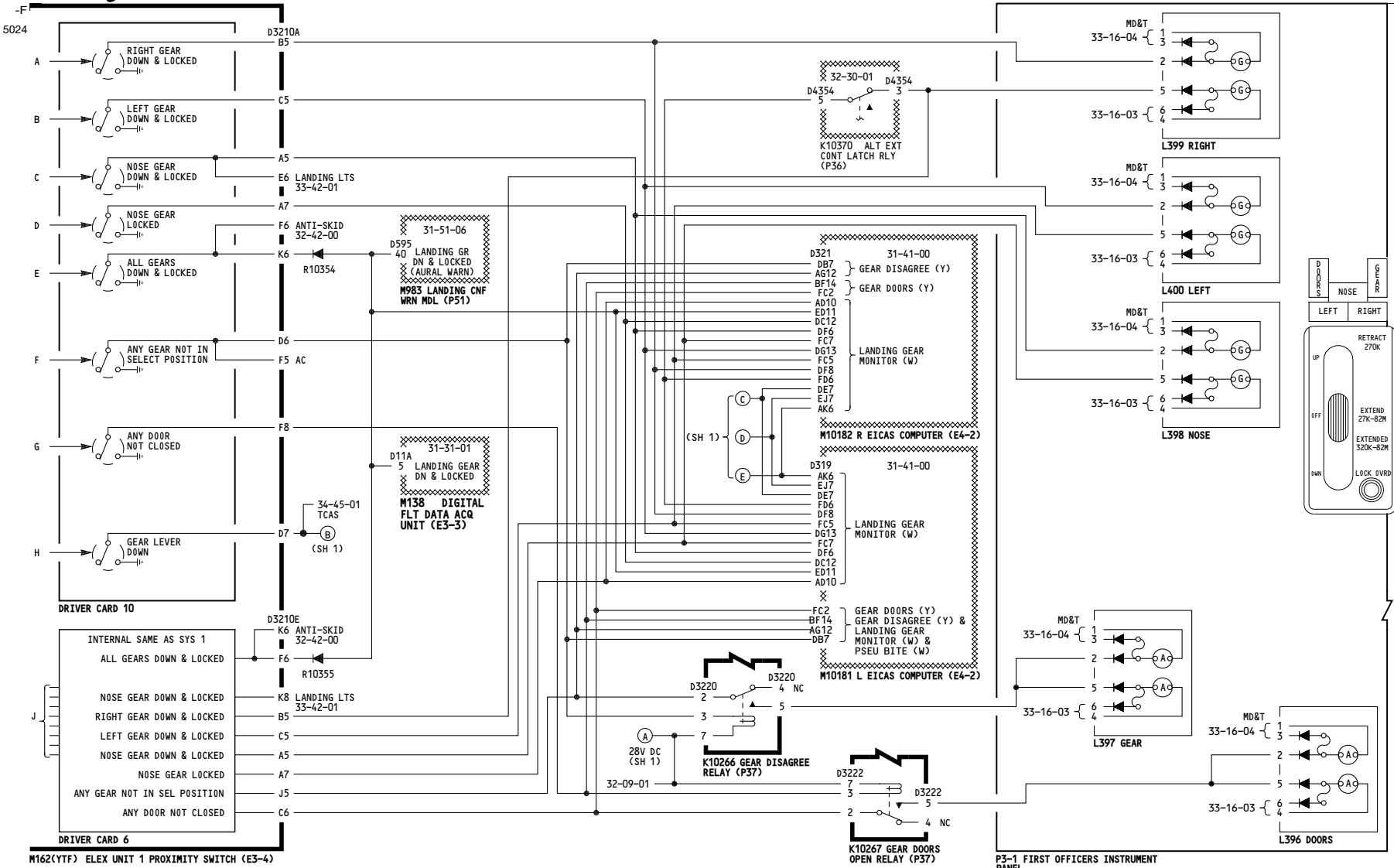


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M162(YTF) ELEX UNIT 1 PROXIMITY SWITCH (E3-4)

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