SERVICE MANUAL

SERVICE MANUAL SECTION

5500*i*, 5600*i*, 5900*i*, 9200*i*, 9400*i* and 9900*i* Chassis Built December 1, 2005 to February 28, 2007 — ELECTRICAL CIRCUIT DIAGRAMS

Model: 5500i

Start Date: 12/01/2005 End Date: 02/28/2007

Model: 5600i

Start Date: 12/01/2005 End Date: 02/28/2007

Model: 5900i

Start Date: 12/01/2005 End Date: 02/28/2007

Model: 9200i

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		COMPOSITES									
		COMPOSITES									
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		COMPOSITES									
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		COMPOSITES									
		COMPOSITES									
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13 69	CONNECTOR	COMPOSITES	(1049)	(1050), (10)) (10	51) P	69				216
13 70	CONNECTOR	COMPOSITES	(1053)	(1054	1) (10	56) (1)	057) F	70			217
		COMPOSITES									
			` '								
		COMPOSITES		M) (10	01) (1	10037 (1004)	/1005	\ D 72		218
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13./6.	CONNECTOR	COMPOSITES	(1137)	, (1138 . /4450), (113 3. <i>(44)</i>	09), (11 57), (44	4U), (1	141),	r. /७		223
		COMPOSITES									
		COMPOSITES									
											225
40	CONTRACTO	COMPOSITES	14400	1440	0) //-	041	405	4000	14000	1400=	\ D
		COMPOSITES	-					-	-		

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1. INSTRUCTIONS AND CHARTS (CHAPTER 1)

1.1. CIRCUIT IDENTIFICATION CHART, P. 1

OT TO BE US	OVIDED ON A RESTRICTED BASIS AND SED IN ANY WAY DETRIMENTAL TO THE NATIONAL TRUCK AND ENGINE CORPORATION	4.		٨	IAVISTAR	CIRCUIT NUM	IBER IDENTIFICATION & COLOR		
						1			
CIRCUIT NUMBER	DESCRIPTION - COLO	R			CIRCUIT NUMBER		DESCRIPTION - COLOR		
1	GENERATOR - FIELD - LIGHT BLUE				37	FUEL PUMP	- TAN		
2	GENERATOR - CHARGE - RED				38	HEATED SEAT	r - LIGHT GREEN		
3					39	AIR DRYER -	GRAY		
4					40	LOW AIR PRE	SSURE WARNING - GRAY		
5					41	OUTSIDE AIR	TEMP/COMPASS - TAN		
6					42	FRONT AXLE	- GRAY		
7	ALTERNATOR - RESISTANCE - RED				43	POWER DIVI	DER LOCK (PDL) - GRAY		
8					44	PARK BRAKE	E WARNING - GRAY		
9					45	ANTI-THEFT	WARNING - LIGHT GREEN		
10					46	POWER TAK	E-OFF WARNING - GRAY		
11	GROUND - WHITE				47	SPEEDOME1	TER - GRAY		
12	ACCESSORY FEED - LIGHT BLUE				48	TACHOMETE			
13	IGNITION FEED - PINK				49		AL LOCK - GRAY		
14	BATTERY FEED - RED				50	CH FEED - YELLOW			
15	KEY SWITCH FEED - RED				51	1	ITCH - YELLOW		
17					52		- HIGH BEAM - YELLOW		
18	GLOW PLUG/PRE-HEATER - PINK	RTER CONTROL - PINK				53 HEADLIGHT - LOW BEAM - YELLOW 54 PARKING/MARKER LIGHTS - BROWN			
19	ENGINE SHUT-OFF - GRAY				55	TURN SIGNA			
20		NE SHUT-OFF - GRAY				56 TURN SIGNAL LIGHTS - LEFT - ORANGE			
21	ETHER START - TAN				57 TURN SIGNAL LIGHTS - RIGHT - ORANGE				
22					58		AND IDENTIFICATION LIGHTS - BROWN		
23	ENGINE COOLING - TAN				59				
24	ENGINE BRAKE GRAY				60 HAZZARD LIGHTS - ORANGE				
25	PYROMETER - TAN				61	AIR SUSPENSION - GRAY			
26	AMMETER - TAN				62	TS - DARK BLUE			
27	VOLTMETER - TAN				63	COURTESY	AND DOME LIGHTS - DARK BLUE		
28	INSTRUMENT FEED - TAN				64	AUXILIARY L	IGHTS - YELLOW		
29	ENGINE WATER TEMPERATURE - TAN				65	5TH WHEEL/	WORK LIGHT - ORANGE		
30	ENGINE OIL TEMPERATURE - TAN				66	DAYTIME RU	INNING LIGHTS - YELLOW		
31	TRANSMISSION OIL TEMPERATURE - TAN	ı			67				
32	AXLE OIL TEMPERATURE - TAN				68	- BROWN			
33	ENGINE OIL LEVEL - TAN				69	ATE LIGHT - BROWN			
34	WATER LEVEL - TAN				70	STOP LIGHT:			
35	ENGINE OIL PRESSURE - TAN				71 BACK-UP LIGHTS - ORANGE				
36	FUEL LEVEL - TAN				72	TRAILER AU	XILIARY - ORANGE		
DATE	CHANGE	REV	REFERENCE	DRAWN	DEPKE	NAME	NS AND CHARTS FOR ALL MODELS		

Figure 1 Circuit Identification Chart, page 1

1.2. CIRCUIT IDENTIFICATION CHART, P. 2

CIRCUIT NUMBER 73 COLLISION ANDIDANCE SYSTEM - LIGHT BLUE 85 WINDSHIELD WASHIER - GRAY 76 MEATER BLOWER MOTOR - LIGHT GREEN 77 AUXILIARY FAN - LIGHT GREEN 78 MERORS - NEATED - MOTORIZED - LIGHT GREEN 89 NOTE: 80 NOTE: 81 POWER DOOR LOCKS - LIGHT GREEN 80 SAAT BLUTS - LIGHT GREEN 81 MITCROCAMBINGATIONS - VOLET 82 WINDSHIELD WASHIER - GRAY 83 ANTILLOCK BRAKES - GRAY 84 ANTILLOCK BRAKES - GRAY 85 SAAT BLUTS - LIGHT GREEN 86 SOWN FLOW LIGHTS - LIGHT GREEN 87 ORGEN WINDSHIELD WASHIER GREEN 88 SOWN FLOW LIGHTS - LIGHT GREEN 89 SAAT BLUTS - LIGHT GREEN 80 SAAT LIGHT GREEN 80 SANDW FLOW LIGHTS - VELLOW 81 CIGAR LIGHTER - LIGHT GREEN 82 ORGEN WINDSHIELD WASHIER GREEN 83 FORWER WINDSHIELD WASHIER GREEN 84 CIGAR LIGHTER - LIGHT GREEN 85 HORN - ELECTRIC - GRAY 86 RADIO - ENTERTARNENT - LIGHT GREEN 87 NOTE: NOT ALL CIRCUITS MAY BE USED. COLORS ABOVE ARE NEW STD COLORS FOR MAJOR HARNESSES.	
NUMBER 73 COLLISION AVOIDANCE SYSTEM - LIGHT BLUE 87 WINDSHIELD WASHER - GRAY 74 88 CLOCK/HOURMETER - LIGHT GREEN 75 HEATER BLOWER MOTOR - LIGHT GREEN 89 76 AUXILIARY FAN - LIGHT GREEN 90 HYDRAULIC BRAKE PUMP - GRAY 77 AIR CONDITIONER - LIGHT GREEN 91 INTERCOMMUNICATIONS - VIOLET 78 MIRRORS - HEATED * MOTORIZED - LIGHT GREEN 92 TRANSMISSION (ELECTRONIC) - TAN 93 SEAT BELTS - LIGHT GREEN 94 ANTILOCK BRAKES - GRAY 81 POWER DOOR LOCKS - LIGHT GREEN 95 EXHAUST EMISSION - TAN 82 WINDSHIELD WIPERS - GRAY 96 SNOW PLOW LIGHTS - YELLOW 83 POWER WINDOW - LIGHT GREEN 97 CRUISE CONTROL AND ELECTRONIC ENGINE - VIOLET 84 CIGAR LIGHTER - LIGHT GREEN 98 DATA LINK AND DIAGNOSTICS - BLACK 85 HORN - ELECTRIC - GRAY 99 THROTTLE POSITION SENSOR - VIOLET * NOTE: NOT ALL CIRCUITS MAY BE USED. COLORS ABOVE ARE NEW STD COLORS	
74 88 CLOCKHOURMETER - LIGHT GREEN 75 HEATER BLOWER MOTOR - LIGHT GREEN 89 HYDRAULIC BRAKE PUMP - GRAY 77 AIR CONDITIONER - LIGHT GREEN 90 HYDRAULIC BRAKE PUMP - GRAY 77 AIR CONDITIONER - LIGHT GREEN 91 INTERCOMMUNICATIONS - VIOLET 78 MIRRORS - HEATED * MOTORIZED - LIGHT GREEN 92 TRANSMISSION (ELECTRONIC) - TAN 79 SEAT BELTS - LIGHT GREEN 93 AXLE SHIFT CONTROL - TAN 80 94 ANTILOCK BRAKES - GRAY 81 POWER DOOR LOCKS - LIGHT GREEN 95 EXHAUST EMISSION - TAN 82 WINDSHIELD WIPERS - GRAY 96 SNOW PLOW LIGHTS - YELLOW 83 POWER WINDOW - LIGHT GREEN 97 CRUISE CONTROL AND ELECTRONIC ENGINE - VIOLET 84 CIGAR LIGHTER - LIGHT GREEN 98 DATA LINK AND DIAGNOSTICS - BLACK 85 HORN - ELECTRIC - GRAY 99 THROTTLE POSITION SENSOR - VIOLET * NOTE: NOT ALL CIRCUITS MAY BE USED. COLORS ABOVE ARE NEW STD COLORS	
75 HEATER BLOWER MOTOR - LIGHT GREEN 76 AUXILIARY FAN - LIGHT GREEN 77 AIR CONDITIONER - LIGHT GREEN 78 MIRRORS - HEATED * MOTORIZED - LIGHT GREEN 79 SEAT BELTS - LIGHT GREEN 80 94 ANTILOCK BRAKES - GRAY 81 POWER DOOR LOCKS - LIGHT GREEN 82 WINDSHIELD WIPERS - GRAY 83 POWER WINDOW - LIGHT GREEN 84 CIGAR LIGHT GREEN 85 HORN - ELECTRIC - GRAY 86 RADIO - ENTERTAINMENT - LIGHT GREEN * NOT ELECTRIC - GRAY * NOTE: NOT ALL CIRCUITS MAY BE USED. COLORS ABOVE ARE NEW STD COLORS	
76 AUXILIARY FAN - LIGHT GREEN 90 HYDRAULIC BRAKE PUMP - GRAY 77 AIR CONDITIONER - LIGHT GREEN 91 INTERCOMMUNICATIONS - VIOLET 78 MIRRORS - HEATED * MOTORIZED - LIGHT GREEN 92 TRANSMISSION (ELECTRONIC) - TAN 79 SEAT BELTS - LIGHT GREEN 93 AXLE SHIFT CONTROL - TAN 80 94 ANTILOCK BRAKES - GRAY 81 POWER DOOR LOCKS - LIGHT GREEN 95 EXHAUST EMISSION - TAN 82 WINDSHIELD WIPERS - GRAY 96 SNOW PLOW LIGHTS - YELLOW 83 POWER WINDOW - LIGHT GREEN 97 CRUISE CONTROL AND ELECTRONIC ENGINE - VIOLET 84 CIGAR LIGHTER - LIGHT GREEN 98 DATA LINK AND DIAGNOSTICS - BLACK 85 HORN - ELECTRIC - GRAY 99 THROTTLE POSITION SENSOR - VIOLET 86 RADIO - ENTERTAINMENT - LIGHT GREEN * NOTE: NOT ALL CIRCUITS MAY BE USED. COLORS ABOVE ARE NEW STD COLORS	
77 AIR CONDITIONER - LIGHT GREEN 91 INTERCOMMUNICATIONS - VIOLET 78 MIRRORS - HEATED * MOTORIZED - LIGHT GREEN 92 TRANSMISSION (ELECTRONIC) - TAN 79 SEAT BELTS - LIGHT GREEN 93 AXLE SHIFT CONTROL - TAN 80 94 ANTILOCK BRAKES - GRAY 81 POWER DOOR LOCKS - LIGHT GREEN 95 EXHAUST EMISSION - TAN 82 WINDSHIELD WIPERS - GRAY 96 SNOW PLOW LIGHTS - YELLOW 83 POWER WINDOW - LIGHT GREEN 97 CRUISE CONTROL AND ELECTRONIC ENGINE - VIOLET 84 CIGAR LIGHTER - LIGHT GREEN 98 DATA LINK AND DIAGNOSTICS - BLACK 85 HORN - ELECTRIC - GRAY 99 THROTTLE POSITION SENSOR - VIOLET 86 RADIO - ENTERTAINMENT - LIGHT GREEN * NOTE: NOT ALL CIRCUITS MAY BE USED. COLORS ABOVE ARE NEW STD COLORS	
78 MIRRORS - HEATED * MOTORIZED - LIGHT GREEN 92 TRANSMISSION (ELECTRONIC) - TAN 79 SEAT BELTS - LIGHT GREEN 93 AXLE SHIFT CONTROL - TAN 80 94 ANTILOCK BRAKES - GRAY 81 POWER DOOR LOCKS - LIGHT GREEN 95 EXHAUST EMISSION - TAN 82 WINDSHIELD WIPERS - GRAY 96 SNOW PLOW LIGHTS - YELLOW 83 POWER WINDOW - LIGHT GREEN 97 CRUISE CONTROL AND ELECTRONIC ENGINE - VIOLET 84 CIGAR LIGHTER - LIGHT GREEN 98 DATA LINK AND DIAGNOSTICS - BLACK 85 HORN - ELECTRIC - GRAY 99 THROTTLE POSITION SENSOR - VIOLET 86 RADIO - ENTERTAINMENT - LIGHT GREEN * NOTE: NOT ALL CIRCUITS MAY BE USED. COLORS ABOVE ARE NEW STD COLORS	
79 SEAT BELTS - LIGHT GREEN 93 AXLE SHIFT CONTROL - TAN 80 94 ANTILOCK BRAKES - GRAY 81 POWER DOOR LOCKS - LIGHT GREEN 95 EXHAUST EMISSION - TAN 82 WINDSHIELD WIPERS - GRAY 96 SNOW PLOW LIGHTS - YELLOW 83 POWER WINDOW - LIGHT GREEN 97 CRUISE CONTROL AND ELECTRONIC ENGINE - VIOLET 84 CIGAR LIGHTER - LIGHT GREEN 98 DATA LINK AND DIAGNOSTICS - BLACK 85 HORN - ELECTRIC - GRAY 99 THROTTLE POSITION SENSOR - VIOLET 86 RADIO - ENTERTAINMENT - LIGHT GREEN * NOTE: NOT ALL CIRCUITS MAY BE USED. COLORS ABOVE ARE NEW STD COLORS	
80 94 ANTILOCK BRAKES - GRAY 81 POWER DOOR LOCKS - LIGHT GREEN 95 EXHAUST EMISSION - TAN 82 WINDSHIELD WIPERS - GRAY 96 SNOW PLOW LIGHTS - YELLOW 83 POWER WINDOW - LIGHT GREEN 97 CRUISE CONTROL AND ELECTRONIC ENGINE - VIOLET 84 CIGAR LIGHTER - LIGHT GREEN 98 DATA LINK AND DIAGNOSTICS - BLACK 85 HORN - ELECTRIC - GRAY 99 THROTTLE POSITION SENSOR - VIOLET 86 RADIO - ENTERTAINMENT - LIGHT GREEN * NOTE: NOT ALL CIRCUITS MAY BE USED. COLORS ABOVE ARE NEW STD COLORS	
81 POWER DOOR LOCKS - LIGHT GREEN 95 EXHAUST EMISSION - TAN 82 WINDSHIELD WIPERS - GRAY 96 SNOW PLOW LIGHTS - YELLOW 83 POWER WINDOW - LIGHT GREEN 97 CRUISE CONTROL AND ELECTRONIC ENGINE - VIOLET 84 CIGAR LIGHTER - LIGHT GREEN 98 DATA LINK AND DIAGNOSTICS - BLACK 85 HORN - ELECTRIC - GRAY 99 THROTTLE POSITION SENSOR - VIOLET 86 RADIO - ENTERTAINMENT - LIGHT GREEN * NOTE: NOT ALL CIRCUITS MAY BE USED. COLORS ABOVE ARE NEW STD COLORS	
82 WINDSHIELD WIPERS - GRAY 83 POWER WINDOW - LIGHT GREEN 84 CIGAR LIGHTER - LIGHT GREEN 85 HORN - ELECTRIC - GRAY 86 RADIO - ENTERTAINMENT - LIGHT GREEN * NOTE: NOT ALL CIRCUITS MAY BE USED. COLORS ABOVE ARE NEW STD COLORS	
83 POWER WINDOW - LIGHT GREEN 84 CIGAR LIGHTER - LIGHT GREEN 85 HORN - ELECTRIC - GRAY 86 RADIO - ENTERTAINMENT - LIGHT GREEN * NOTE: NOT ALL CIRCUITS MAY BE USED. COLORS ABOVE ARE NEW STD COLORS	
84 CIGAR LIGHT GREEN 98 DATA LINK AND DIAGNOSTICS - BLACK 85 HORN - ELECTRIC - GRAY 99 THROTTLE POSITION SENSOR - VIOLET 86 RADIO - ENTERTAINMENT - LIGHT GREEN * NOTE: NOT ALL CIRCUITS MAY BE USED. COLORS ABOVE ARE NEW STD COLORS	
85 HORN - ELECTRIC - GRAY 86 RADIO - ENTERTAINMENT - LIGHT GREEN * NOTE: NOT ALL CIRCUITS MAY BE USED. COLORS ABOVE ARE NEW STD COLORS	
* NOTE: NOT ALL CIRCUITS MAY BE USED. COLORS ABOVE ARE NEW STD COLORS	
* NOTE: NOT ALL CIRCUITS MAY BE USED. COLORS ABOVE ARE NEW STD COLORS	
* NOTE: NOT ALL CIRCUITS MAY BE USED. COLORS ABOVE ARE NEW STD COLORS	
DATE CHANGE REV REFERENCE DRAWN NAME DDEC01 SSC2 ADDED CIR 73 DESC A P53583S A P53583S A P53583S A P53583S	

Figure 2 Circuit Identification Chart, page 2

1.3. CIRCUIT DIAGRAM INSTRUCTIONS, P. 3

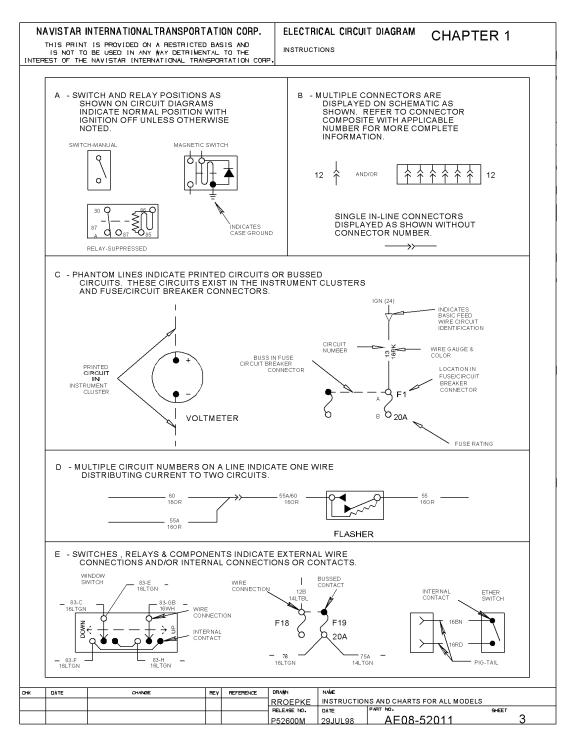


Figure 3 Circuit Diagram Instructions, page 3

1.4. CIRCUIT DIAGRAM INSTRUCTIONS, P. 4

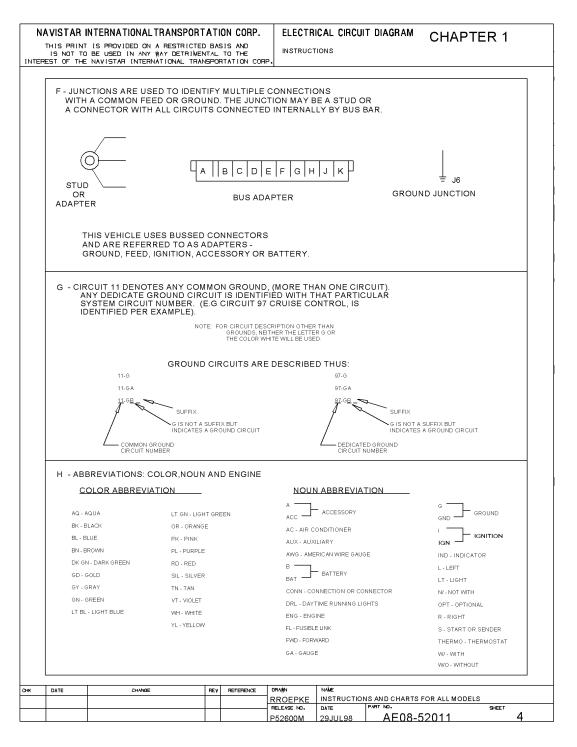


Figure 4 Circuit Diagram Instructions, page 4

1.5. SCHEMATIC SYMBOLS, P. 5

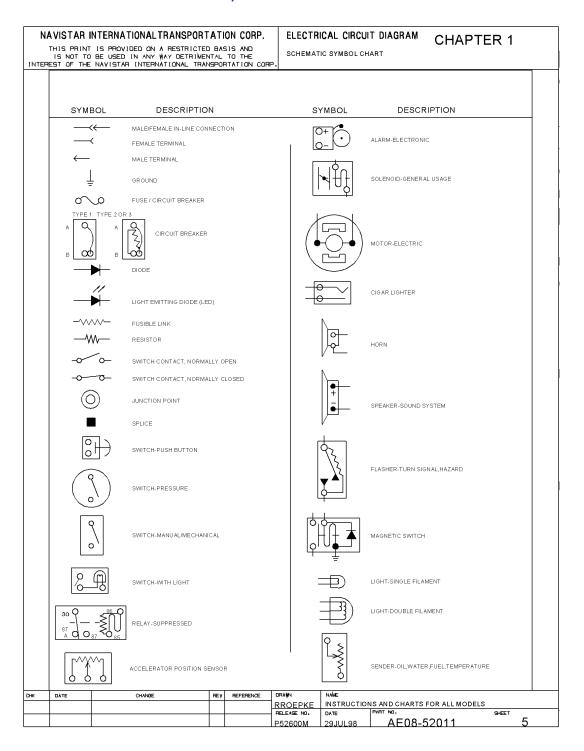


Figure 5 Schematic Symbols

1.6. RELAY PINOUT, FUNCTION DATA AND SEALED RELAY, P. 6

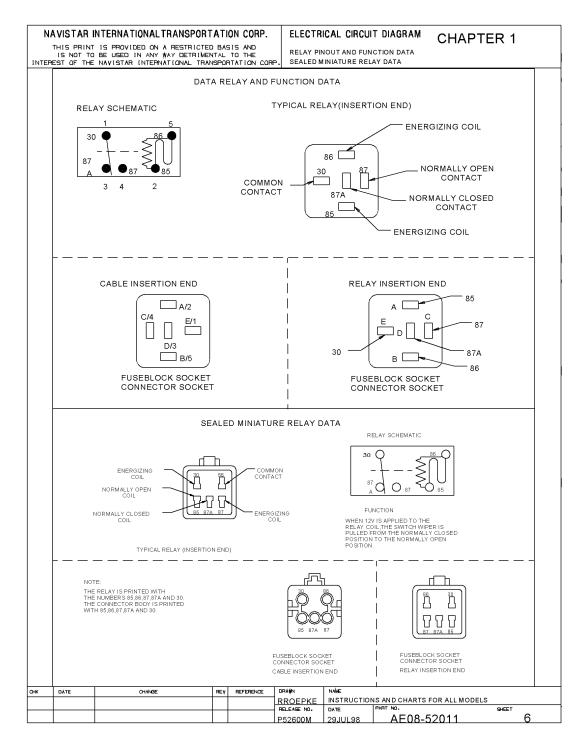


Figure 6 Relay Pinout, Function Data and Sealed Relay

1.7. LAMP BULB CHART, P. 7

PRINT IS PROVIDED O	AL TRUCK AND ENGII N A RESTRICTED BASIS AND WAY DETRIMENTAL TO THE TRUCK AND ENGINE CORPORATION.		LAMP BUL		COTT DIAGRA	CHAPIE	=R 1	
B <u>ULB APPLI</u>	CATION	WATTS OR	CANDLEPO	OWER		T <u>RADE NUM</u>	BER_	
AIR RESTRIC	TION GAUGE		2 CAN	DLEPOWER		57		
	HTS			IDLEPOWER		11	56	
	ER			DLEPOWER		14	55	
CLOCK - ANA	LOG		2 WAT	rs		VDO-600	802	
CLEARANCE	IDENTIFICATION LIGHTS - SMALL		2 CAN	DLEPOWER		19	4	
CLEARANCE	IDENTIFICATION LIGHTS - LARGE		4 CAN	DLEPOWER		90	4	
COURTESY L	IGHT		21 CA	IDLEPOWER		11	42	
DOME LIGHT			21 CA	IDLEPOWER		11	42	
EXTERIOR M	IRROR LIGHT		2 CAN	DLEPOWER		18	95	
FOG LIGHT			100 W	TTS		49.	21-1	
FRONT TURN	ISIGNAL							
	00		32/3 C	ANDLEPOWER		31	57	
HEADLIGHTS								
	9900 INCANDESCENT							
	N BEAMS		65/35 \	VATTS		60	53	
	(OPTIONAL)						054	
	W BEAM		65/35 WATTS					
	AIR CONDITIONER CONTROLS							
INSTRUMENT			0.5 CA	NDLEPOWER		37		
	ION LIGHT		1 CAN	DLEPOWER		16	1	
	LIGHT			NDLEPOWER		37		
	HT			IDLEPOWER		10		
SIDE TURN S	IGNAL - 9200/9400/9900		32/3 C	ANDLEPOWER		31	57	
SPEEDOMET	ER		1 CAN	DLEPOWER		16	1	
SPOTLIGHT			30 WA	rts		44	05	
STOP-TAIL-T	JRN SIGNAL		32/3 C	ANDLEPOWER		11	57	
TACHOMETE	R		1 CAN	DLEPOWER		16	1	
TURN SIGNA	L INDICATOR		0.5 CA	NDLEPOWER		37		
WORK LIGHT	·		35 WA	rts		44	11	
			SLEEPER	:				
DOMELIGHT			15 WA	гтѕ		F1	5T8-CW	
	DMPARTMENT LIGHT			IDLEPOWER			1-2	
	HT			IDLEPOWER		91		
	CABINET LIGHT			IDLEPOWER		21	1-2	
	CROWAVE CABINET LIGHT		12 CA	IDLEPOWER		21	1-2	
DATE	CHANGE	REV REFERENCE	RROEPKE	NAME INSTRUCTION	NS AND CHARTS F	OR ALL MODELS		
4MAR02 ADD	ED & EDITED SLPR ITEMS	A 55093F	RELEASE NO.	DATE	PART NO.		SHEET	

Figure 7 Lamp Bulb Chart

2. 12 VOLT POWER DISTRIBUTION CIRCUIT DIAGRAMS (CHAPTER 2)

2.1. START FEED, P. 1

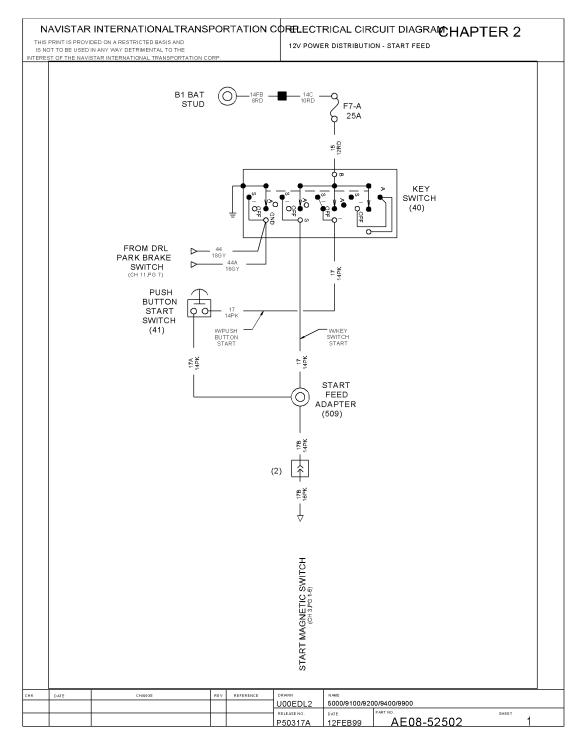


Figure 8 Start Feed

2.2. ACCESSORY, P. 2

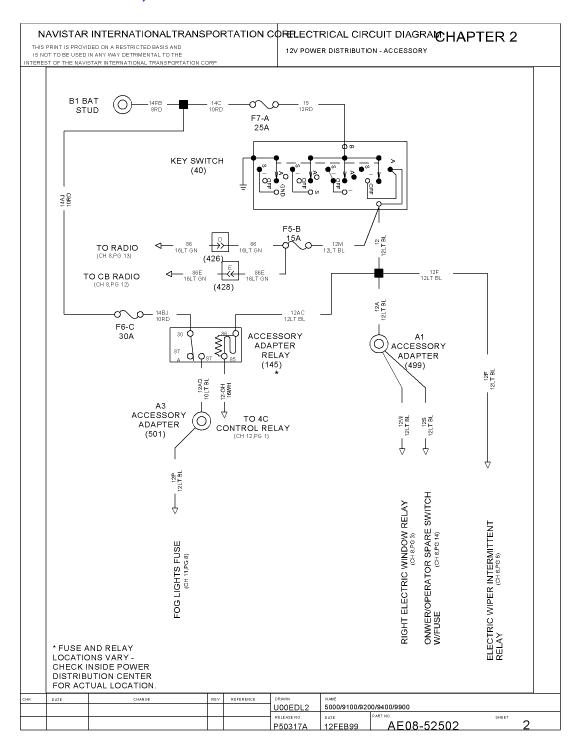


Figure 9 Accessory

2.3. BATTERY, P. 3

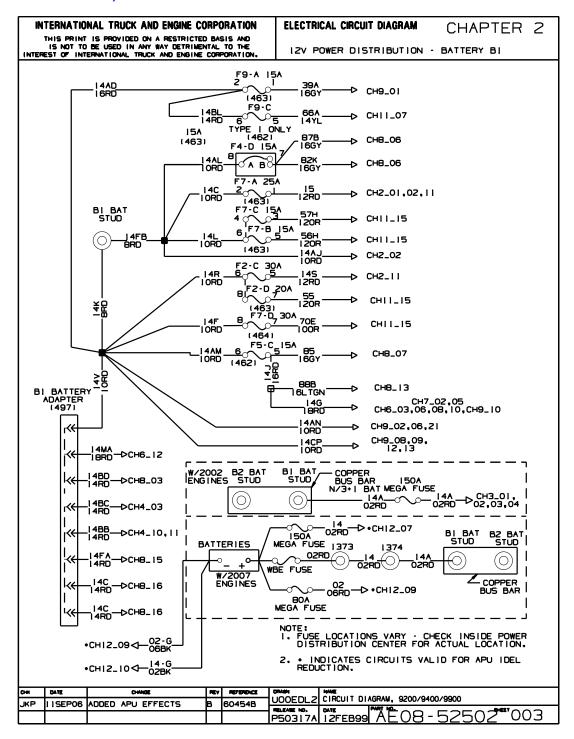


Figure 10 Battery, B1

2.4. BATTERY, B2, P. 4

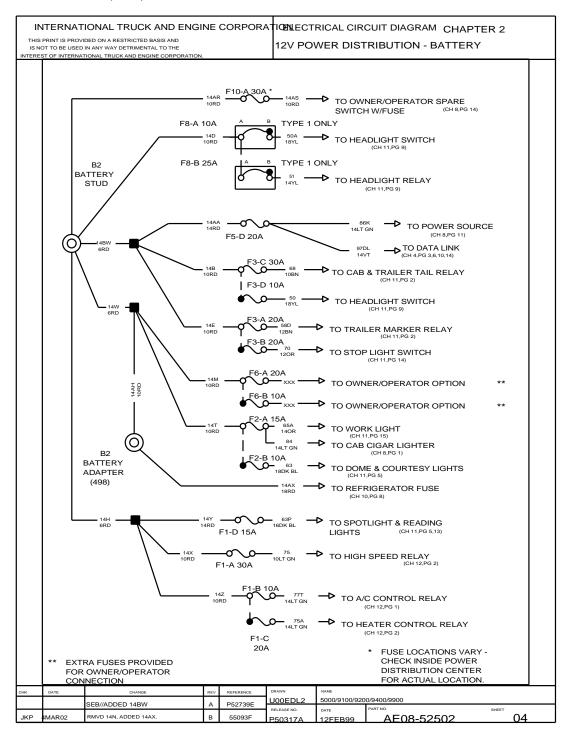


Figure 11 Battery, B2

2.5. BATTERY, B2 (CONT.), P. 5

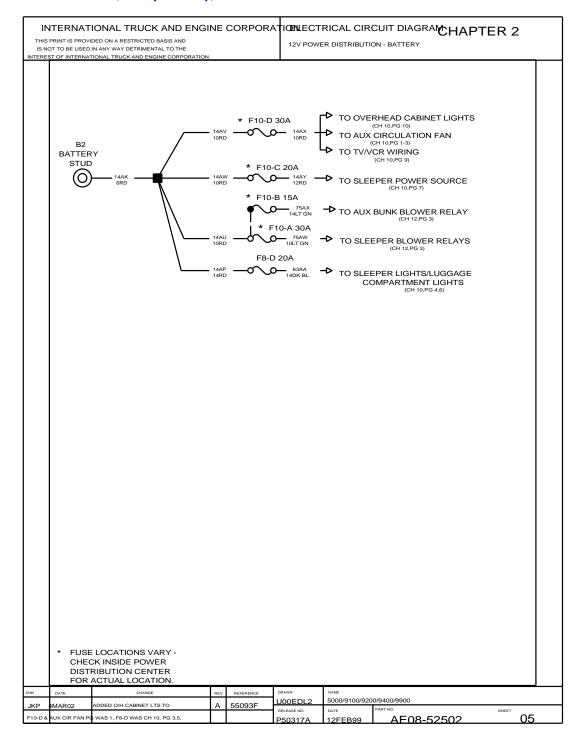


Figure 12 Battery, B2 (cont.)

2.6. 3+1 BATTERY SYSTEM, P. 6

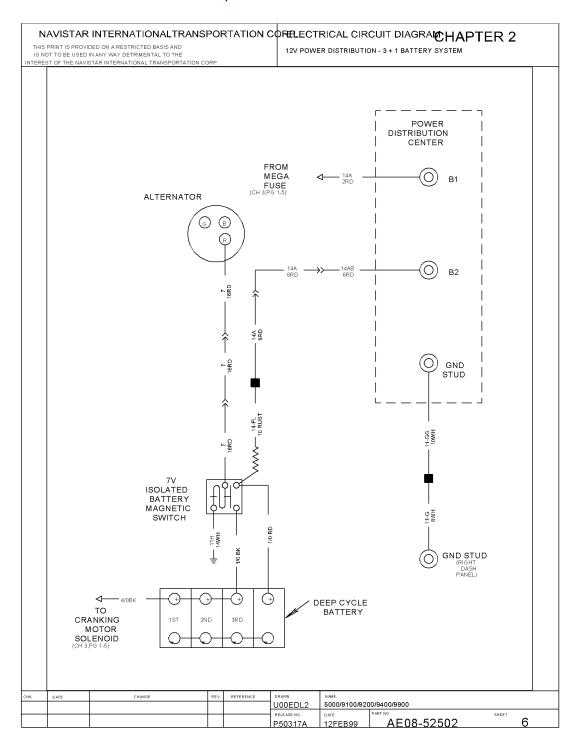


Figure 13 3+1 Battery System

2.7. GROUND ADAPTER COMPOSITE, P. 7

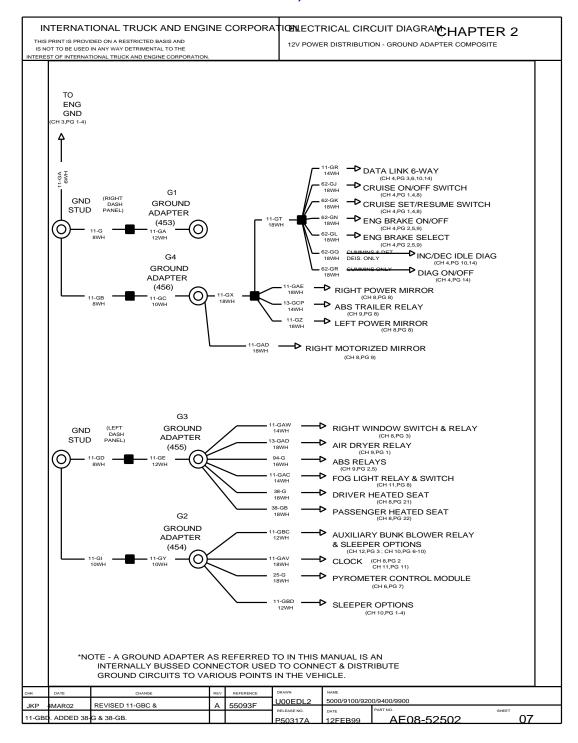


Figure 14 Ground Adapter Composite

2.8. GROUND STUD COMPOSITE, P. 8

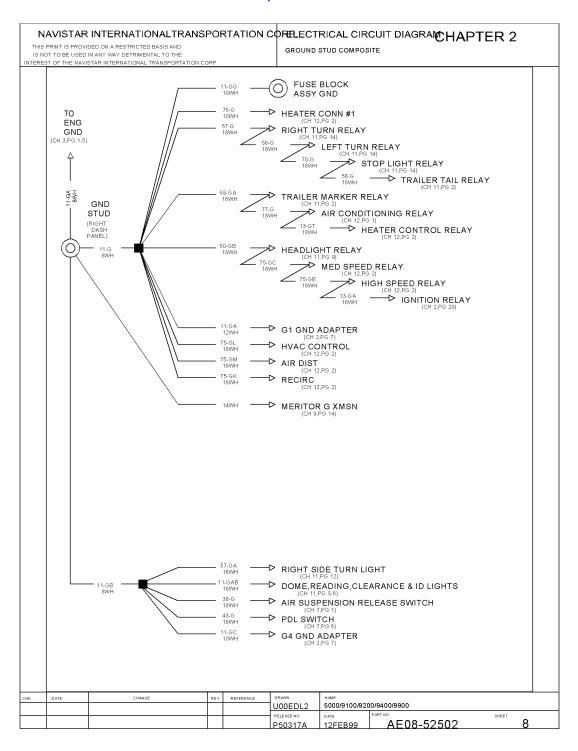


Figure 15 Ground Stud Composite

2.9. GROUND STUD COMPOSITE, P. 9

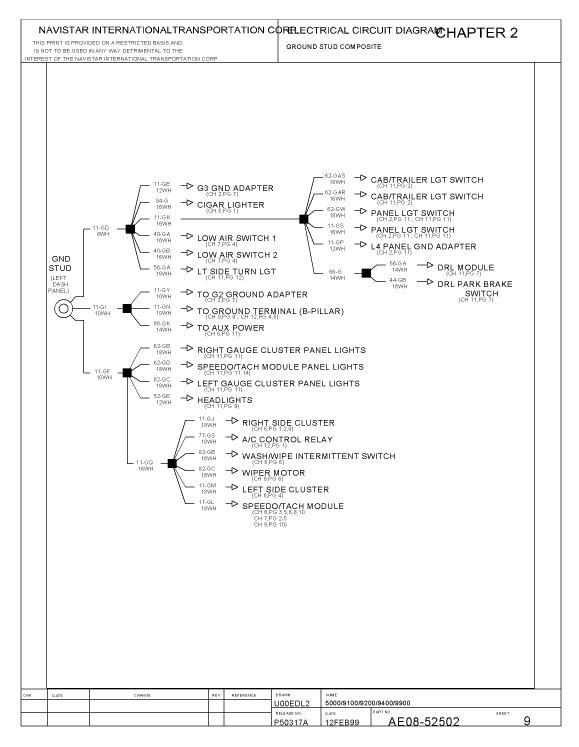


Figure 16 Ground Stud Composite

2.10. IGNITION, P. 10

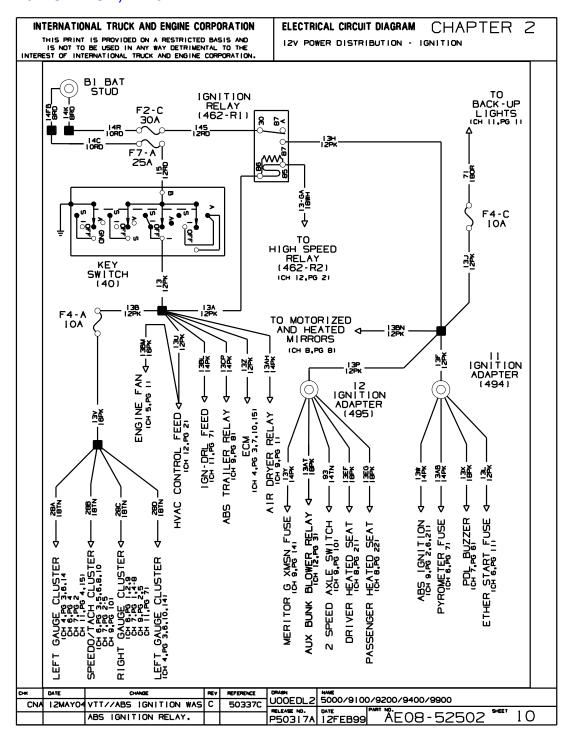


Figure 17 Ignition

2.11. PANEL LIGHTS ADAPTER COMPOSITE, P. 11

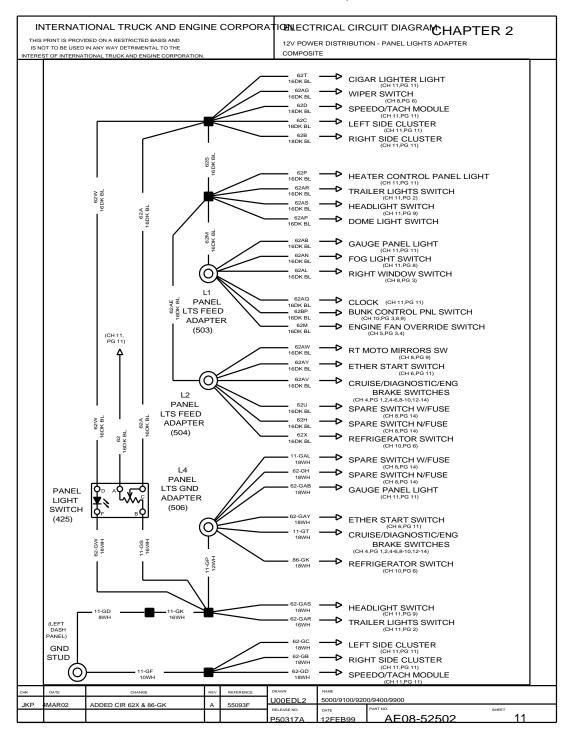


Figure 18 Panel Lights Adapter Composite

3. 12 VOLT CHARGING AND CRANKING SYSTEM (CHAPTER 3)

3.1. W/CAT AND CUMMINS ENGINES, P. 1

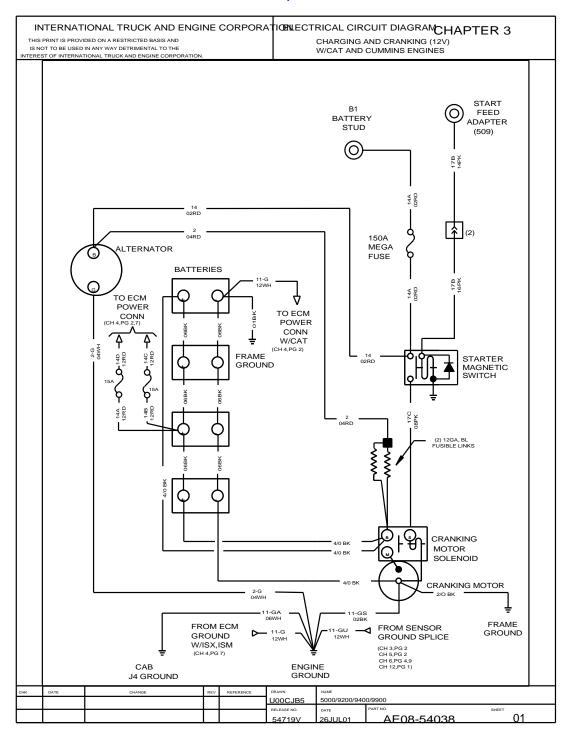


Figure 19 W/Cat and Cummins Engines

3.2. W/OVERCRANK PROTECTION W/CAT AND CUMMINS ENGINES, P. 2

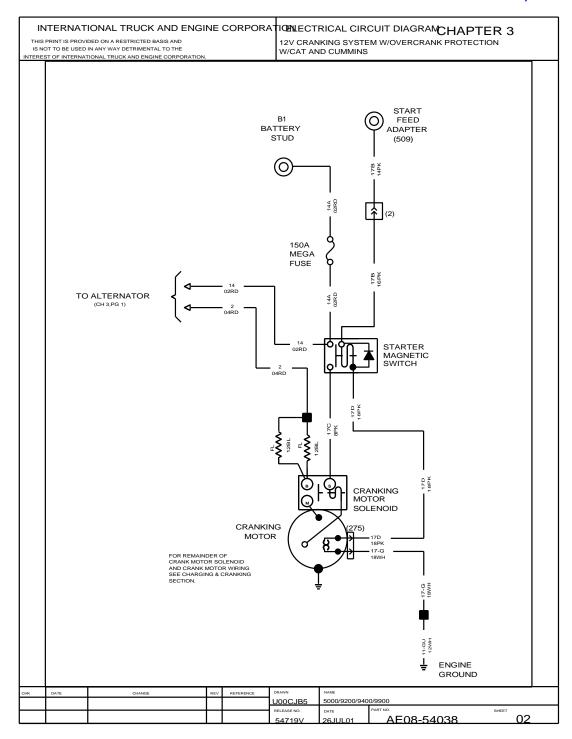


Figure 20 W/Overcrank Protection W/Cat and Cummins Engines

3.3. W/I6 HEUI ENGINE, P. 3

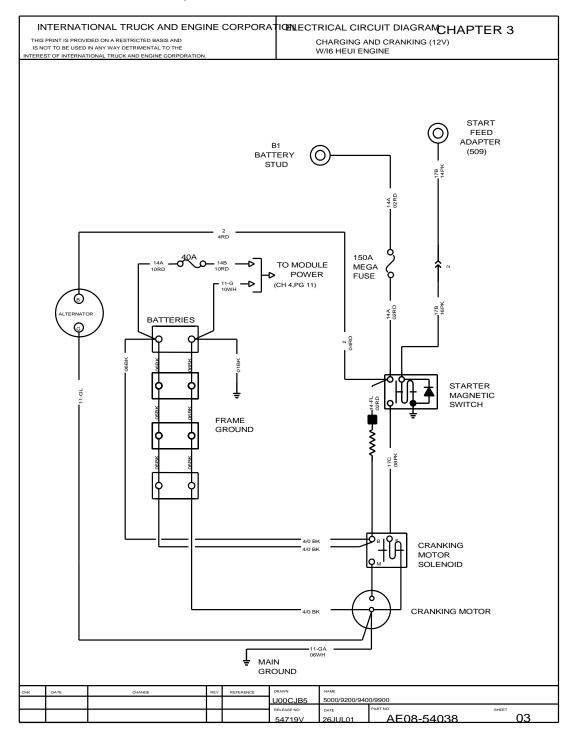


Figure 21 W/I6 HEUI Engine

3.4. W/OVERCRANK PROTECTION W/I6 HEUI, P. 4

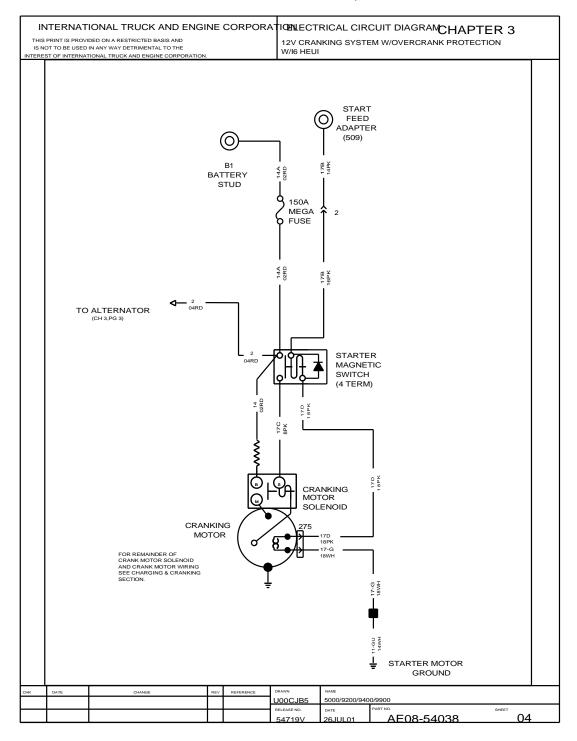


Figure 22 W/Overcrank Protection W/I6 HEUI

3.5. W/CAT AND CUMMINS ENGINES AND W/1GA CHARGING CIRCUIT, P. 5

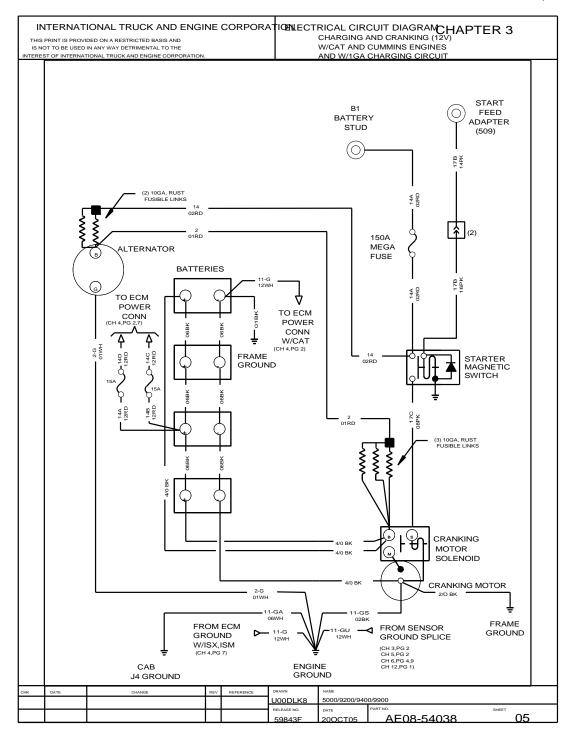


Figure 23 W/Cat and Cummins Engines and W/1GA Charging Circuit

4. ENGINE SYSTEMS (CHAPTER 4)

4.1. CATERPILLAR C10, C11, C12, C13, C15, AND C16 CRUISE CONTROL, P. 1

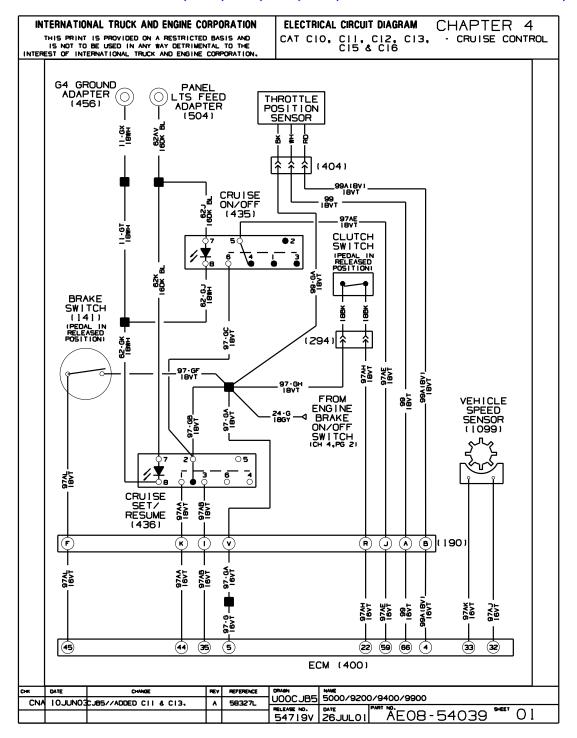


Figure 24 Caterpillar C10, C11, C12, C13, C15, and C16 Cruise Control

4.2. CATERPILLAR C10, C11, C12, C13, C15, AND C16 ENGINE BRAKE, P. 2

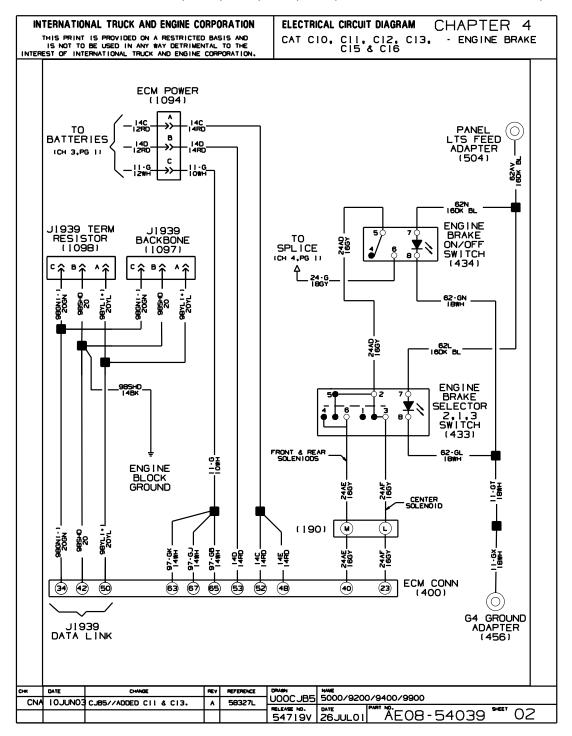


Figure 25 Caterpillar C10, C11, C12, C13, C15, and C16 Engine Brake

4.3. CATERPILLAR C10, C11, C12, C13, C15, AND C16 ENGINE CONTROLS, P. 3

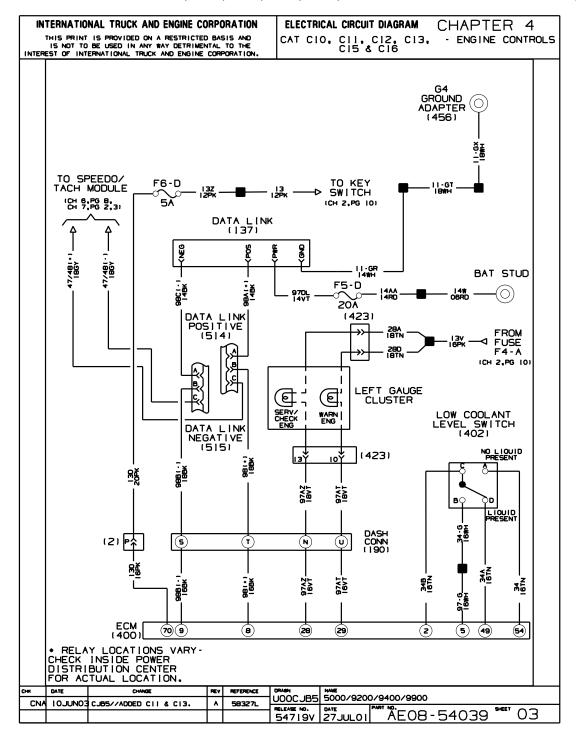


Figure 26 Caterpillar C10, C11, C12, C13, C15, and C16 Engine Controls

4.4. CUMMINS ISM, ISX CRUISE CONTROL, P. 4

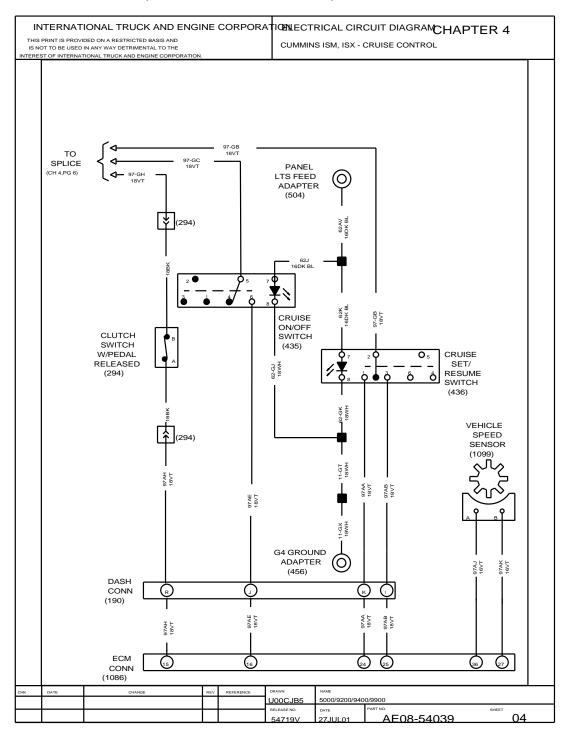


Figure 27 Cummins ISM, ISX Cruise Control

4.5. CUMMINS ISM, ISX ENGINE BRAKE, P. 5

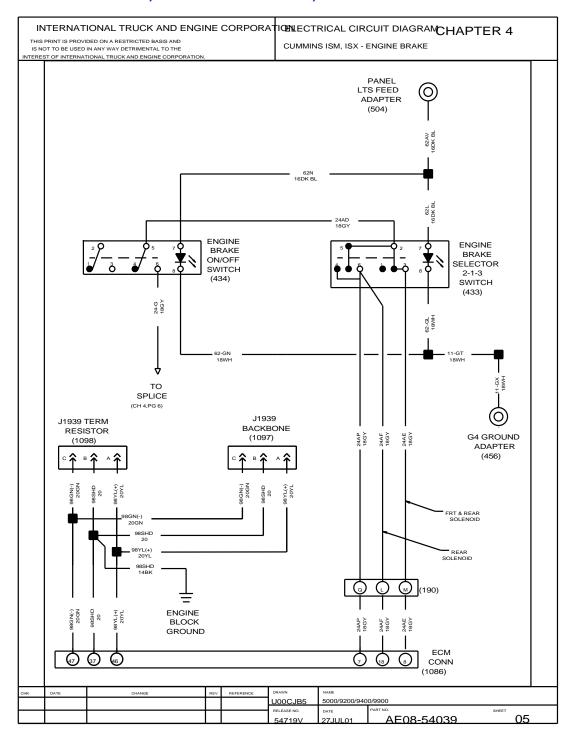


Figure 28 Cummins ISM, ISX Engine Brake

4.6. CUMMINS ISM, ISX — ENGINE CONTROLS, P. 6

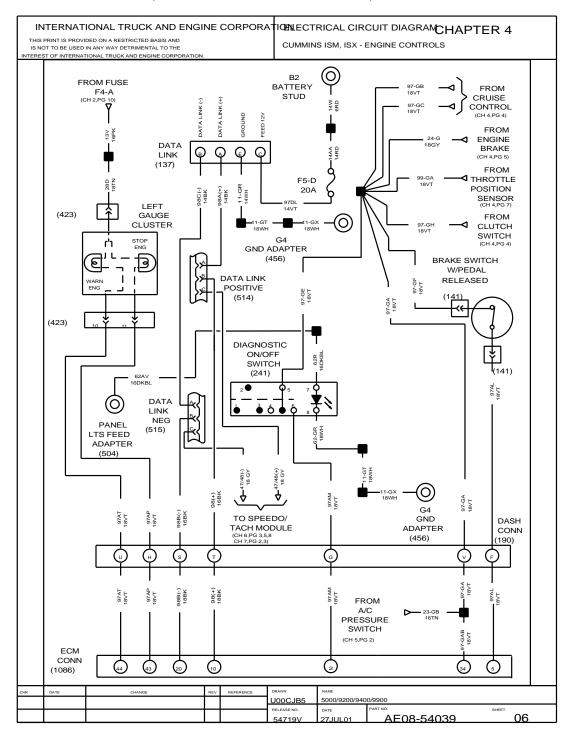


Figure 29 Cummins ISM, ISX - Engine Controls

4.7. CUMMINS AHD AND ISM - ENGINE CONTROLS, P. 7

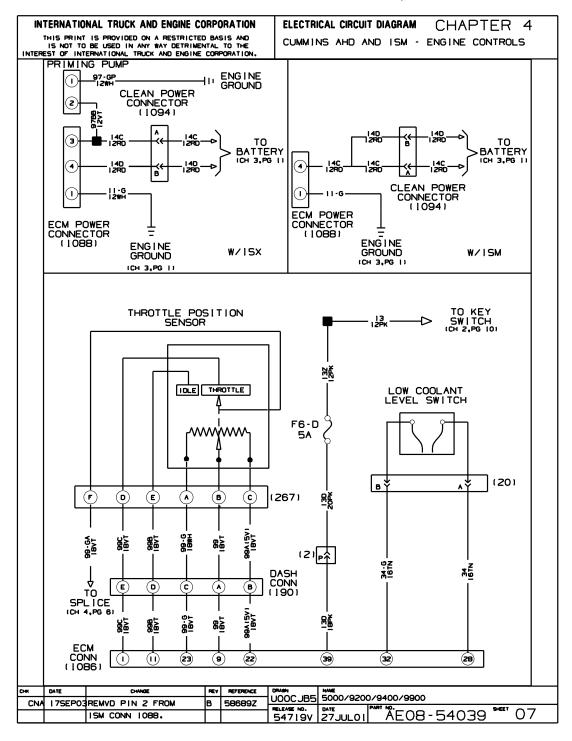


Figure 30 Cummins AHD and ISM - Engine Controls

4.8. I6 HEUI — CRUISE CONTROL, P. 8

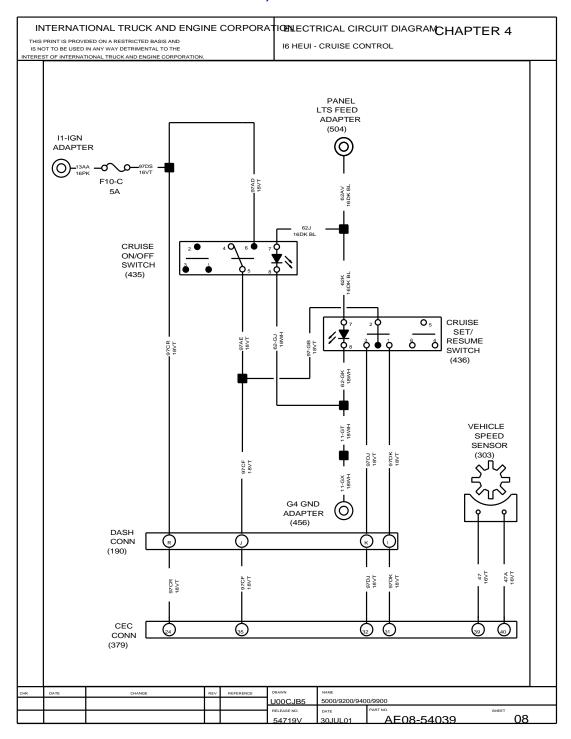


Figure 31 I6 HEUI — Cruise Control

4.9. 16 HEUI — ENGINE BRAKE, P. 9

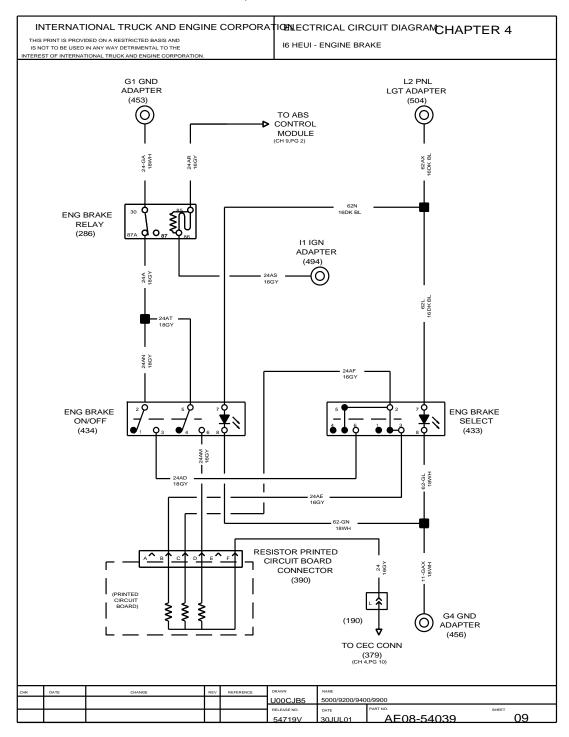


Figure 32 I6 HEUI — Engine Brake

4.10. I6 HEUI — ENGINE CONTROLS, P. 10

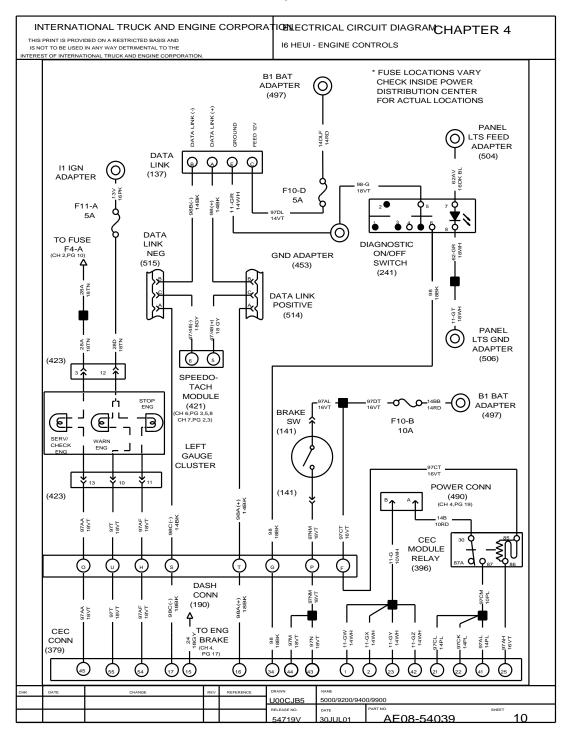


Figure 33 I6 HEUI — Engine Controls

4.11. I6 HEUI — MODULE POWER AND GROUND SYSTEM, P. 11

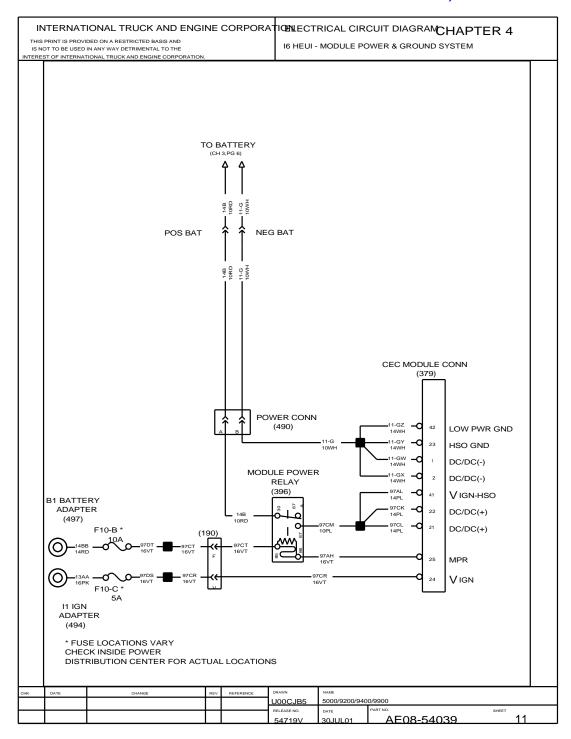


Figure 34 I6 HEUI — Module Power and Ground System

4.12. I6 HEUI — ACCELERATOR, BAP, AMBIENT AIR TEMP SENSOR SYSTEM, P. 12

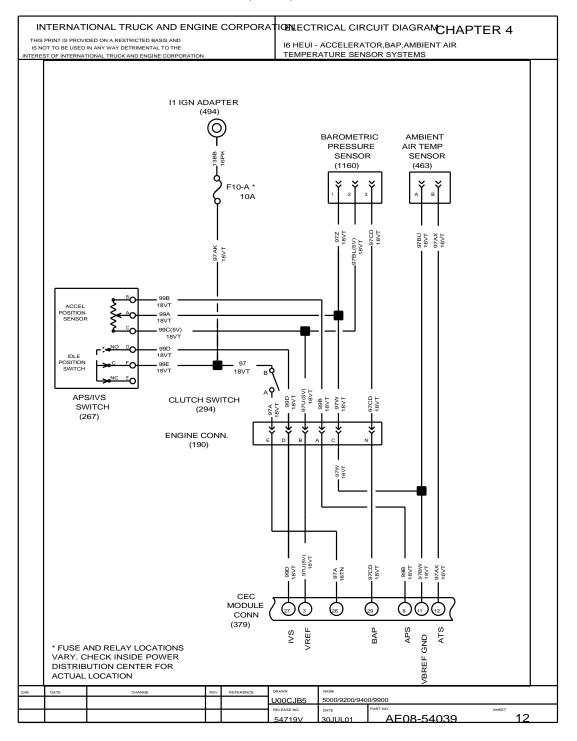


Figure 35 I6 HEUI — Accelerator, BAP, Ambient Air Temp Sensor System

4.13. I6 HEUI — SURGE TANK AND EXHAUST BRAKE SOLENOID, P. 13

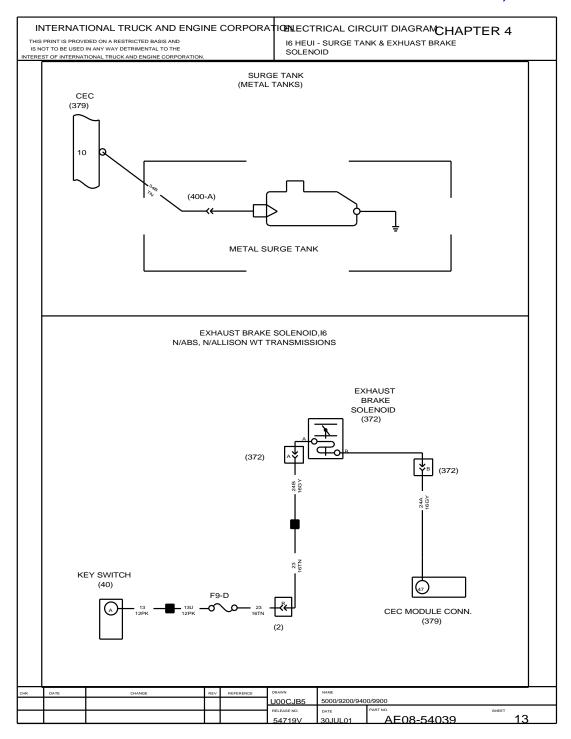


Figure 36 I6 HEUI — Surge Tank and Exhaust Brake Solenoid

5. FANS (CHAPTER 5)

5.1. HORTON AND KYSOR ENGINE FAN WITH CAT C10, C11, C12, C13, C15 AND C16 W/ AND N/ A/C, W/ AND N/ MANUAL FAN OVERRIDE SWITCH, P. 1

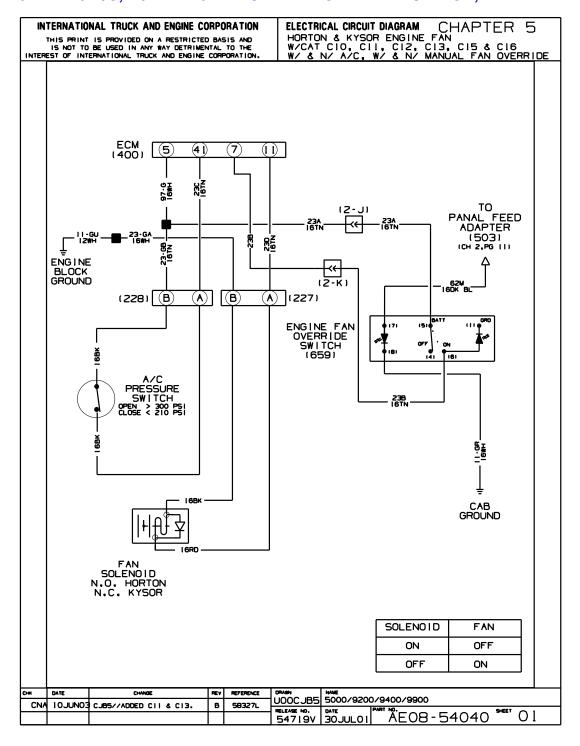


Figure 37 Horton and Kysor Engine Fan With Cat C10, C11, C12, C13, C15 and C16 W/ and N/ A/C, W/ and N/ Manual Fan Override Switch

5.2. HORTON AND KYSOR ENGINE FAN WITH CUMMINS ISM, ISX W/ AND N/ A/C, W/ AND N/ MANUAL FAN OVERRIDE SWITCH, P. 2

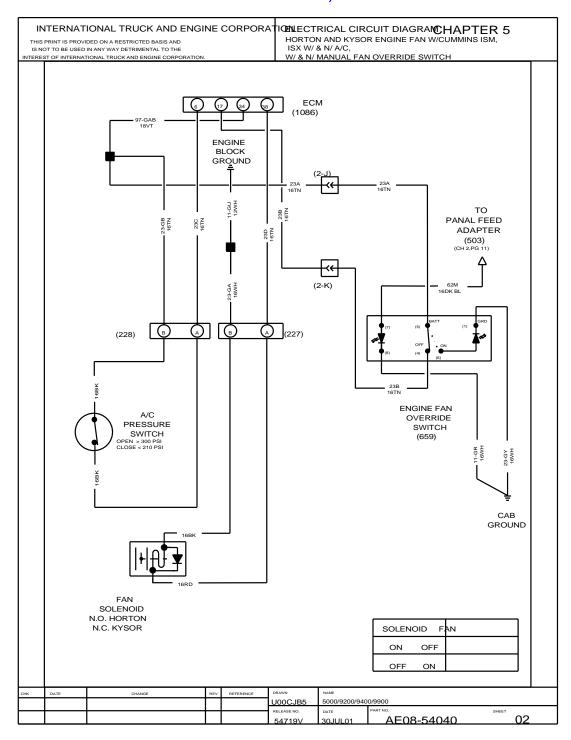


Figure 38 Horton and Kysor Engine Fan With Cummins ISM, ISX W/ and N/ A/C, W/ and N/ Manual Fan Override Switch

5.3. HORTON AND KYSOR ENGINE FAN WITH 16 HEUI ENGINES W/SHUTTER, P. 3

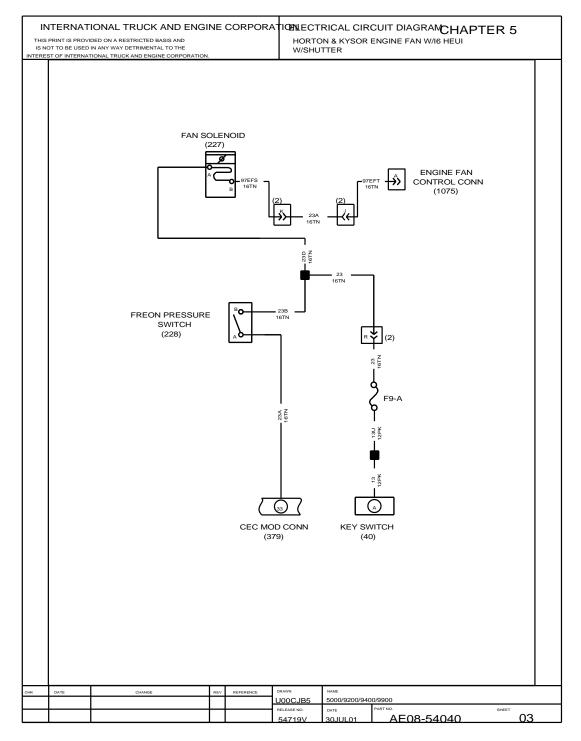


Figure 39 Horton and Kysor Engine Fan With I6 HEUI Engines W/Shutter

6. GAUGES AND SYSTEMS (CHAPTER 6)

6.1. 4X2 REAR AXLE OIL TEMPERATURE GAUGE, P. 1

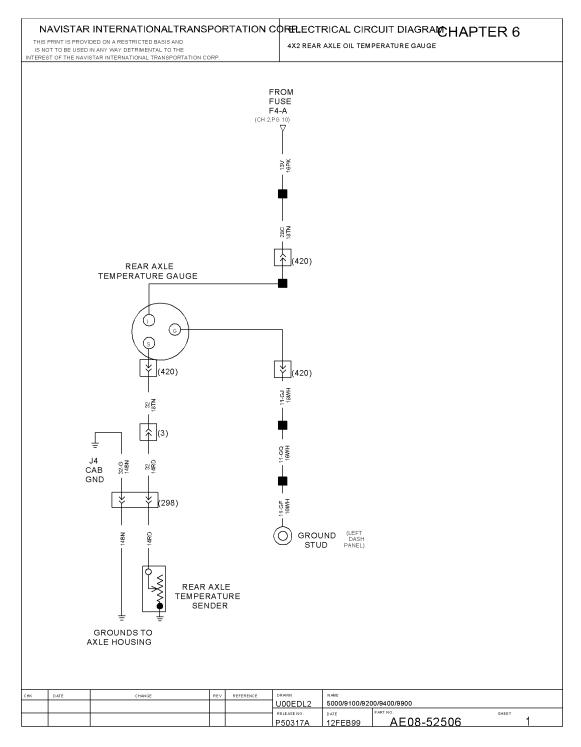


Figure 40 4x2 Rear Axle Oil Temperature Gauge

6.2. 6X4 AXLE FORWARD-REAR AND REAR-REAR TEMPERATURE GAUGE, P. 2

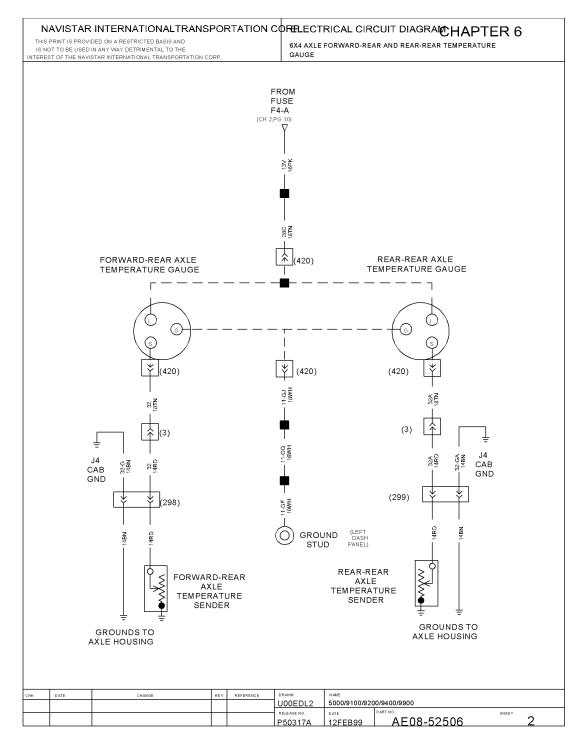


Figure 41 6x4 Axle Forward-Rear and Rear-RearTemperature Gauge

6.3. ENGINE OIL PRESSURE GAUGE, P. 3

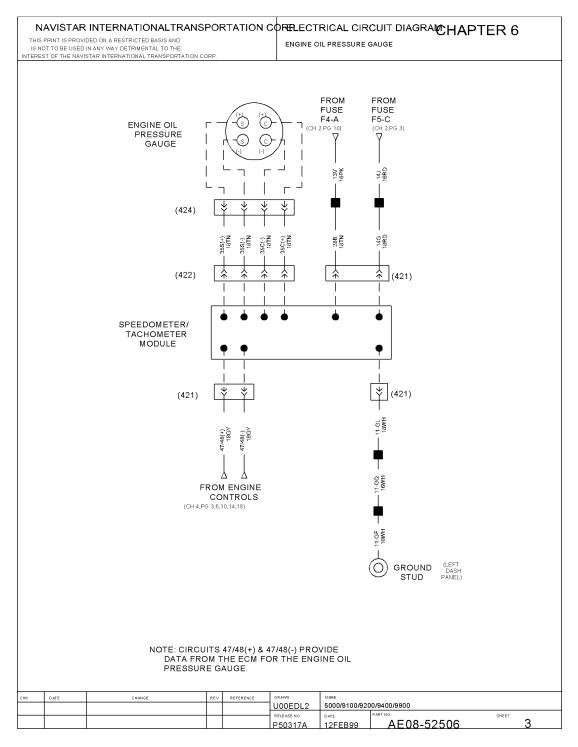


Figure 42 Engine Oil Pressure Gauge

6.4. ENGINE OIL TEMPERATURE GAUGE, P. 4

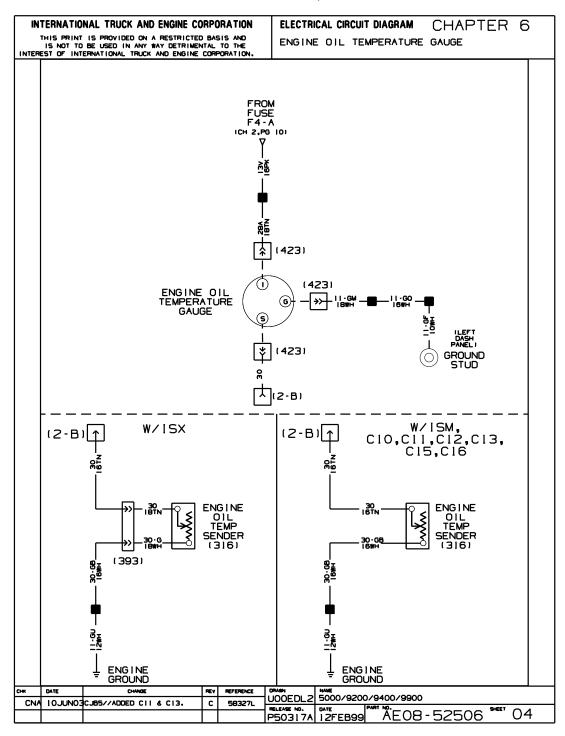


Figure 43 Engine Oil Temperature Gauge

6.5. ENGINE WATER TEMPERATURE GAUGE, P. 5

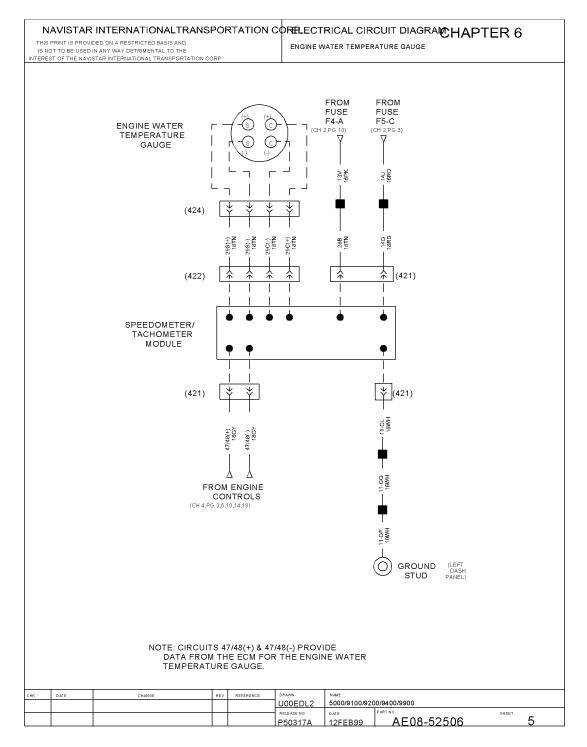


Figure 44 Engine Water Temperature Gauge

6.6. FUEL LEVEL GAUGE, P. 6

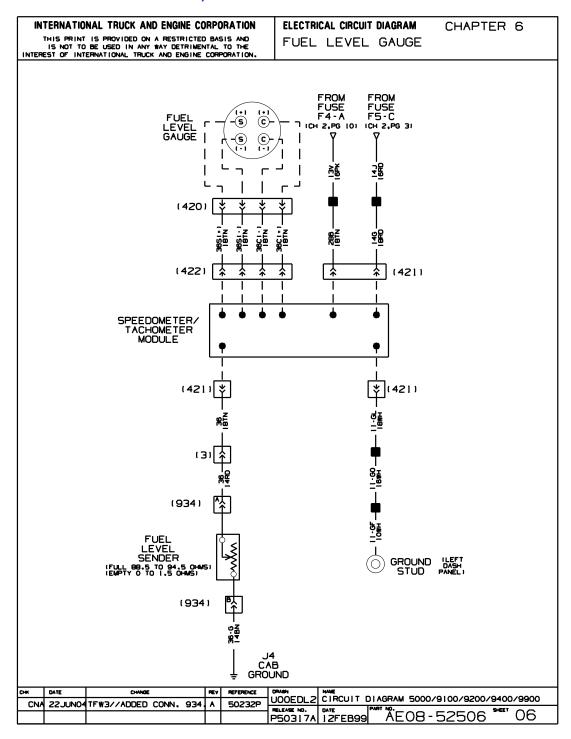


Figure 45 Fuel Level Gauge

6.7. PYROMETER GAUGE, P. 7

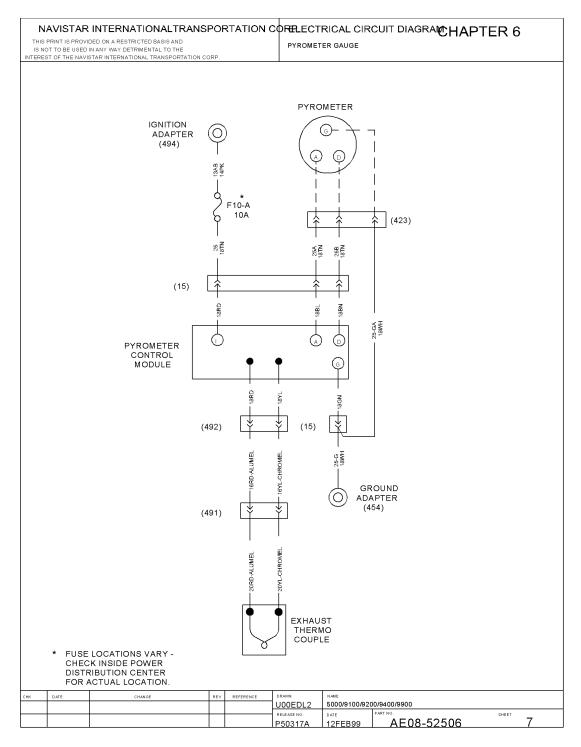


Figure 46 Pyrometer Gauge

6.8. SPEEDOMETER GAUGE — TACHOMETER GAUGE, P. 8

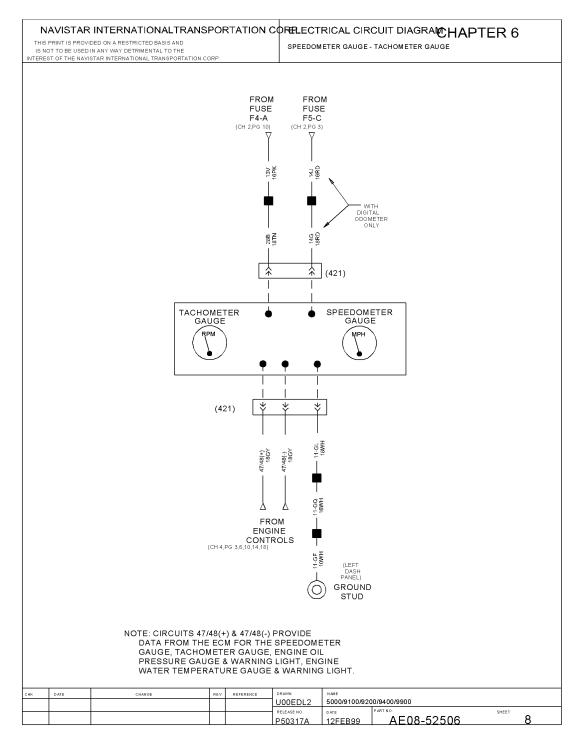


Figure 47 Speedometer Gauge — Tachometer Gauge

6.9. TRANSMISSION OIL TEMPERATURE GAUGE, P. 9

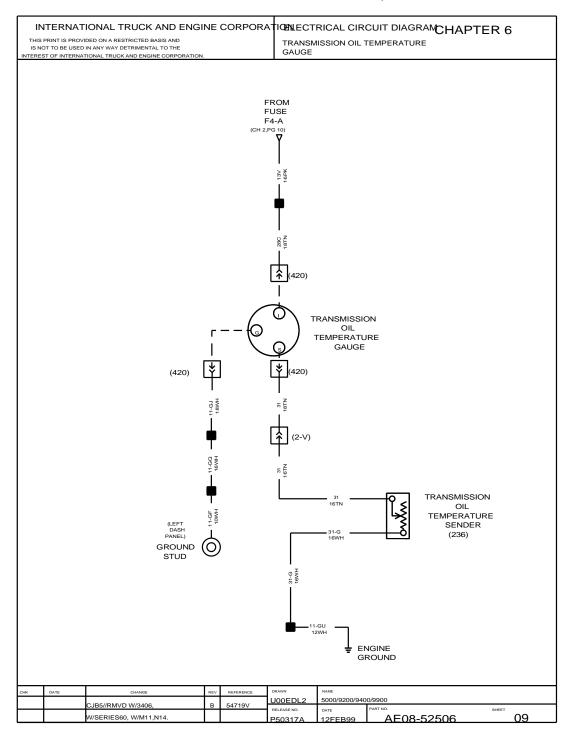


Figure 48 Transmission Oil Temperature Gauge

6.10. VOLTMETER GAUGE, P. 10

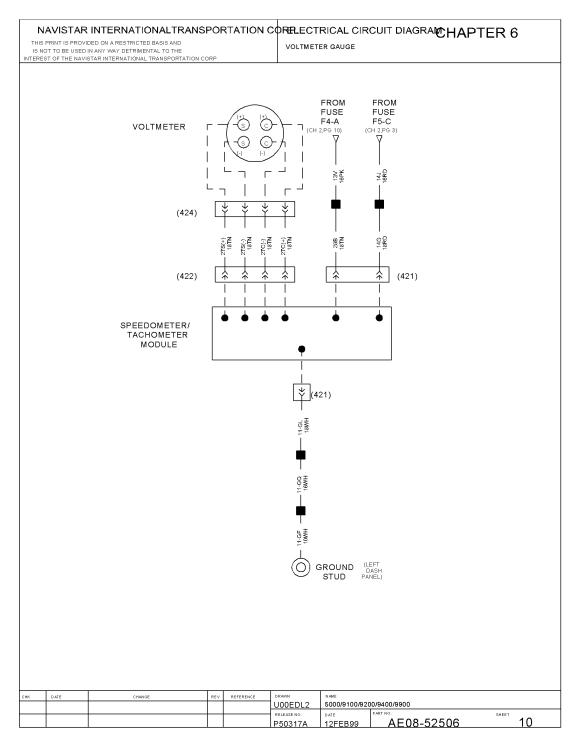


Figure 49 Voltmeter Gauge

6.11. ETHER START, P. 11

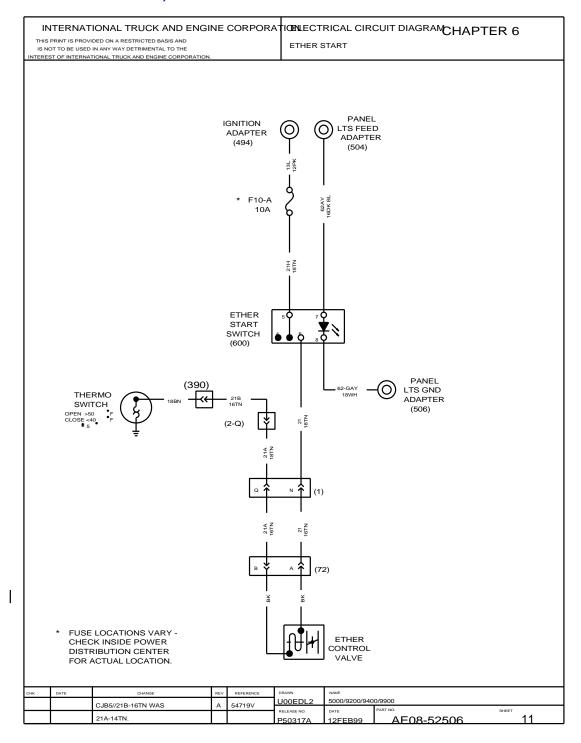


Figure 50 Ether Start

6.12. MANIFOLD PRESSURE GAUGE, P. 12

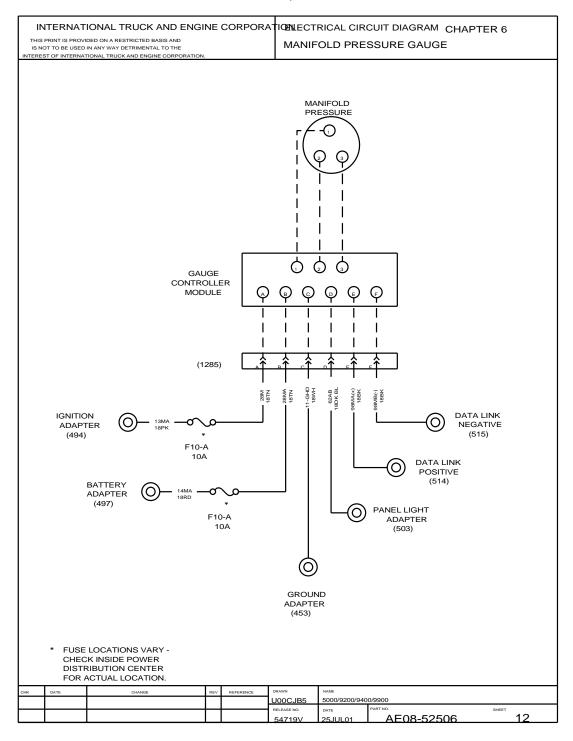


Figure 51 Manifold Pressure Gauge

7. WARNING LIGHTS (CHAPTER 7)

7.1. AIR SUSPENSION RELEASE WARNING LIGHT, P. 1

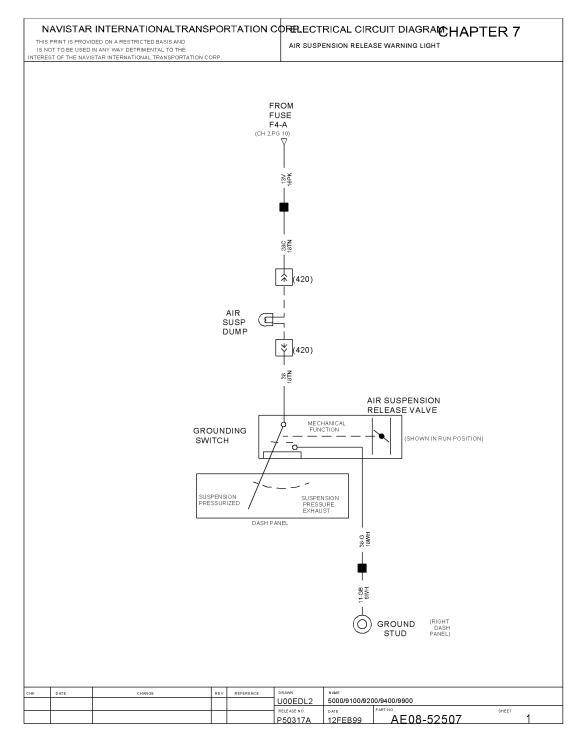


Figure 52 Air Suspension Release Warning Light

7.2. ENGINE OIL PRESSURE WARNING LIGHT, P. 2

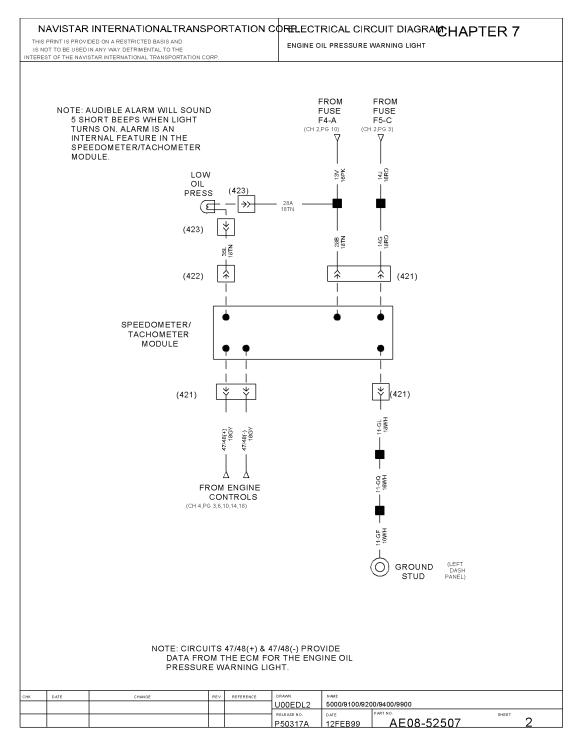


Figure 53 Engine Oil Pressure Warning Light

7.3. ENGINE WATER TEMPERATURE WARNING LIGHT, P. 3

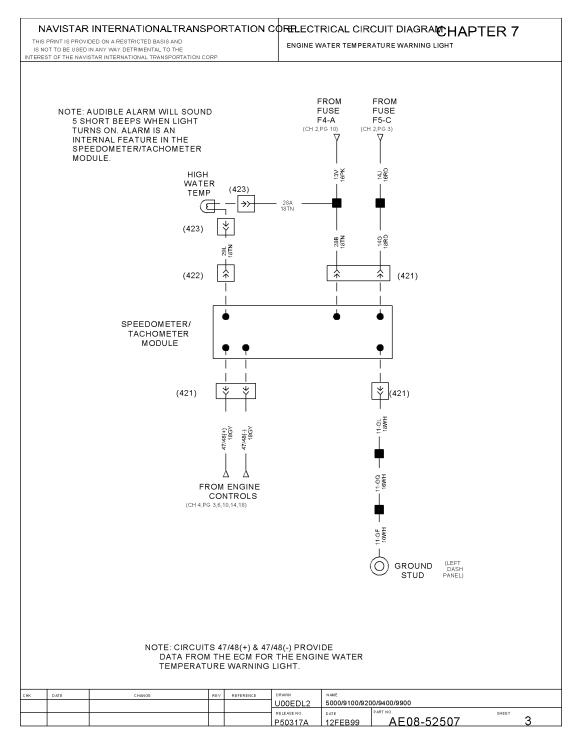


Figure 54 Engine Water Temperature Warning Light

7.4. LOW AIR PRESSURE WARNING LIGHT, P. 4

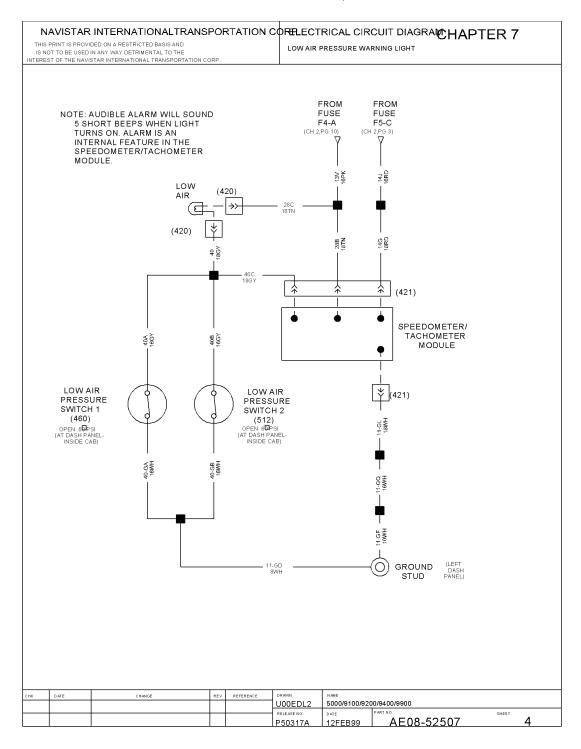


Figure 55 Low Air Pressure Warning Light

7.5. LOW FUEL LEVEL WARNING LIGHT, P. 5

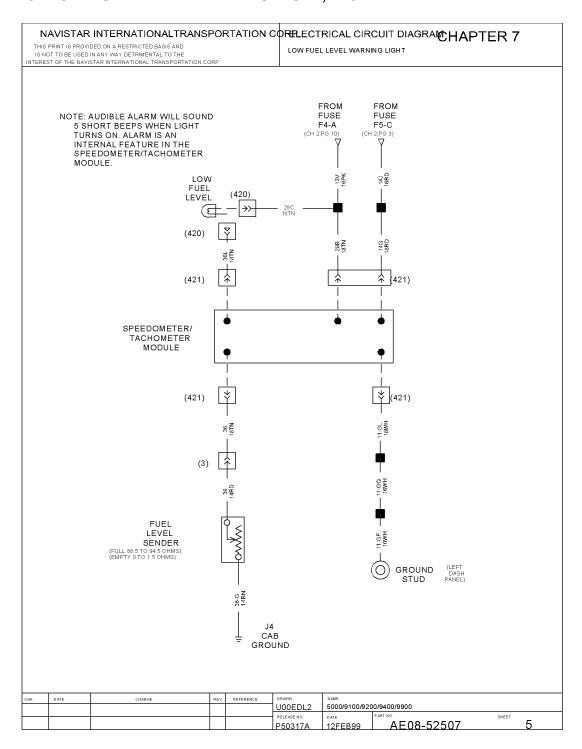


Figure 56 Low Fuel Level Warning Light

7.6. POWER DIVIDER LOCK (PDL) WARNING LIGHT AND BUZZER, P. 6

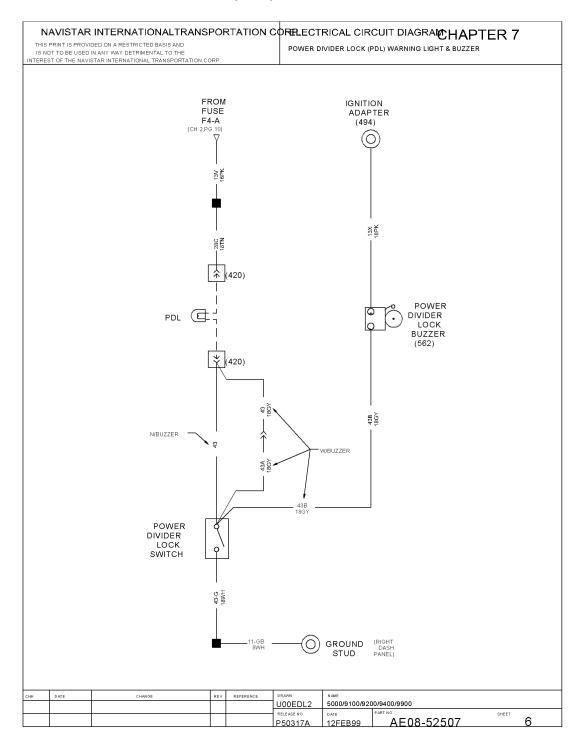


Figure 57 Power Divider Lock (PDL) Warning Light and Buzzer

7.7. DIFFERENTIAL LOCK WARN LIGHT — 4X2, P. 7

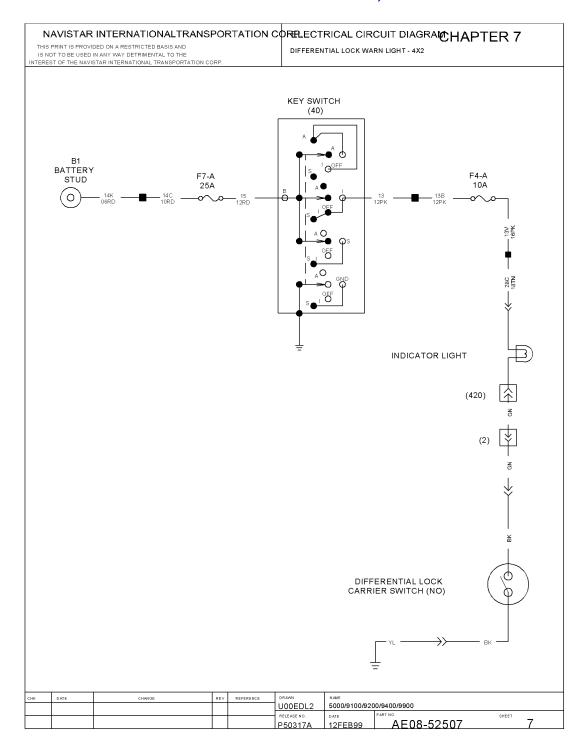


Figure 58 Differential Lock Warn Light — 4x2

7.8. DIFFERENTIAL LOCK WARN LIGHT — 6X4, P. 8

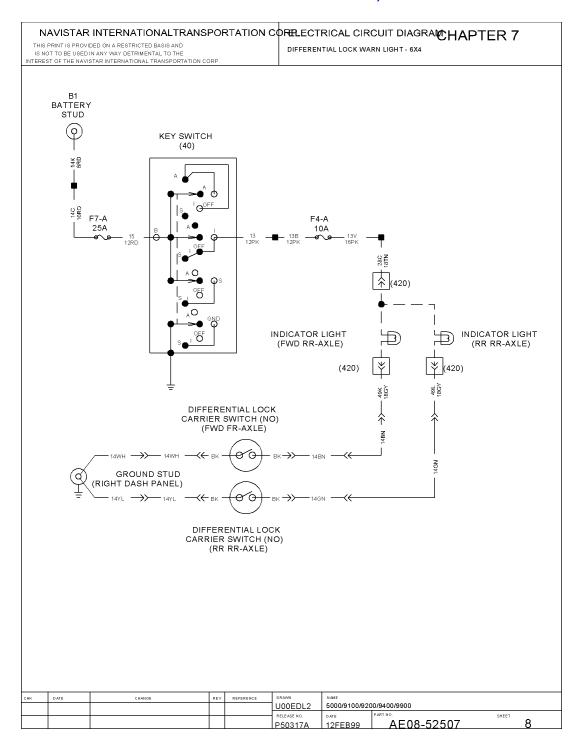


Figure 59 Differential Lock Warn Light — 6x4

8. CAB ACCESSORIES (CHAPTER 8)

8.1. CIGAR LIGHTER, P. 1

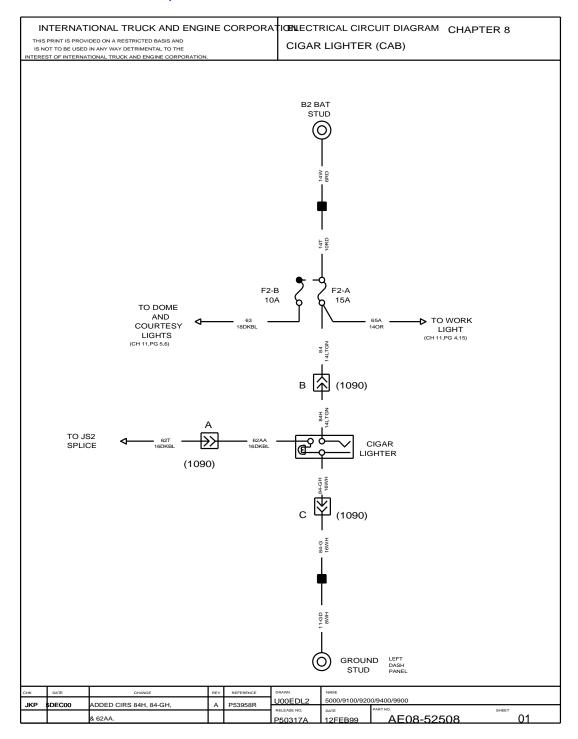


Figure 60 Cigar Lighter

8.2. CLOCK, P. 2

II.	INTERNATIONAL TRUCK AND ENGINE CORPORA TIONLECTRICAL CIRCUIT DIAGRAM CHAPTER 8								
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JKP	4MAR02	REMOVED GEOMETRY	Α	55093F	RELEASE NO. P50317A	DATE 12FEB99		02	

Figure 61 Clock

8.3. ELECTRIC WINDOW — RIGHT, P. 3

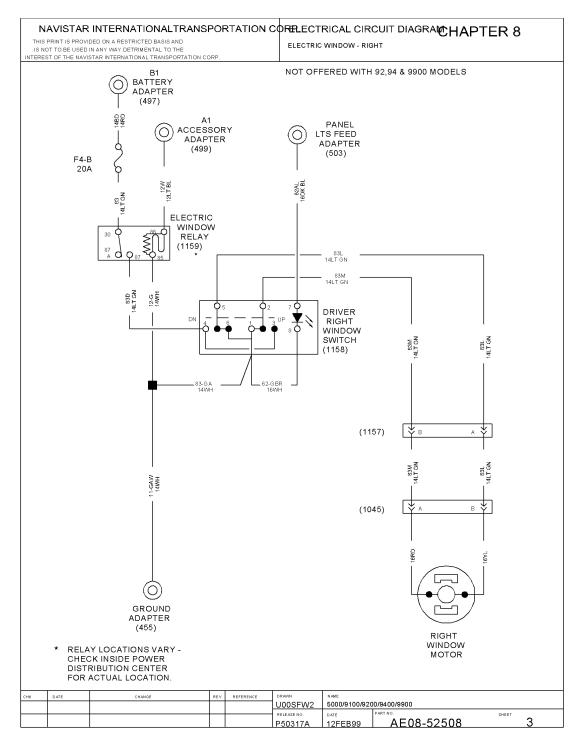


Figure 62 Electric Window — Right

8.4. ELECTRIC WINDOW — RIGHT AND LEFT, P. 4

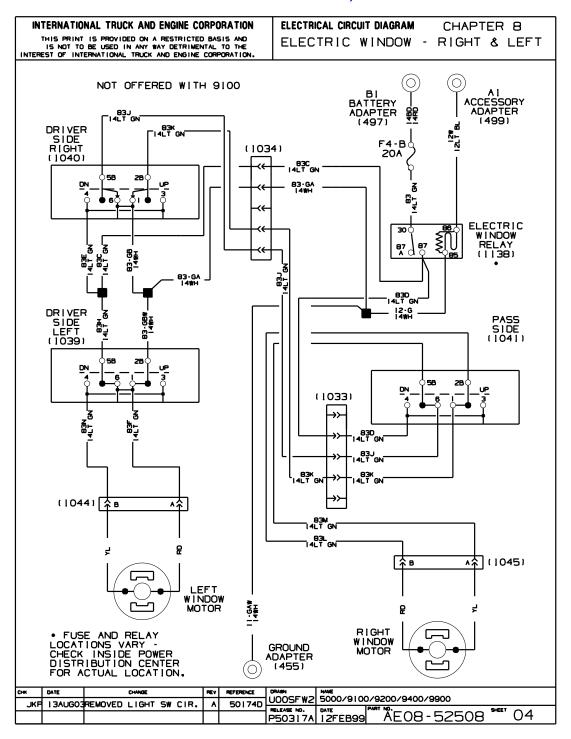


Figure 63 Electric Window — Right and Left

8.5. DEFROSTER FAN(S), P. 5

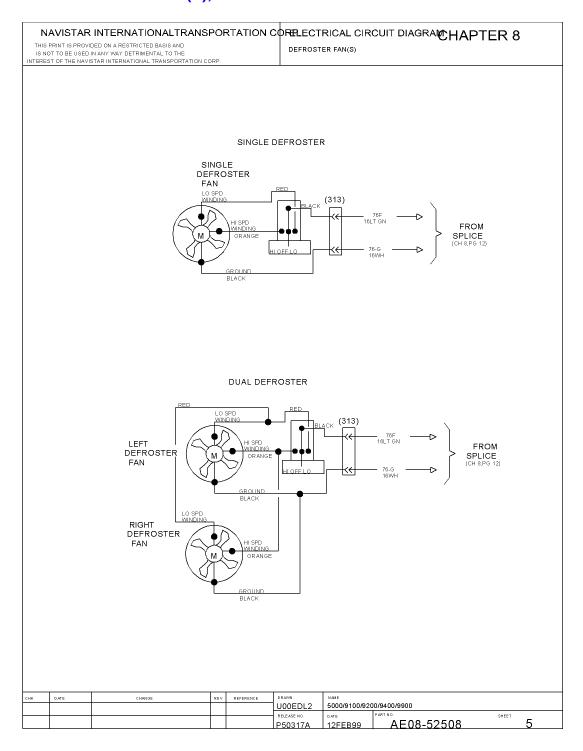


Figure 64 Defroster Fan(s)

8.6. ELECTRIC WINDSHIELD WIPERS WITH INTERMITTENT WIPE AND WASH, P. 6

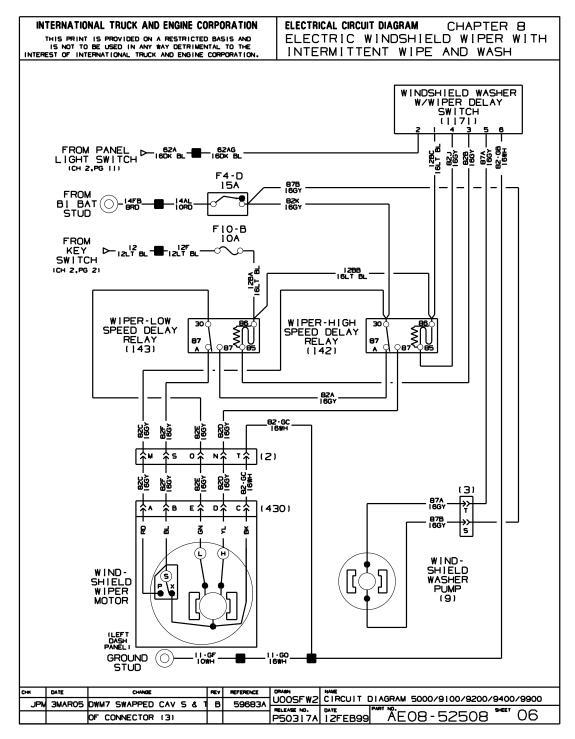


Figure 65 Electric Windshield Wipers with Intermittent Wipe and Wash

8.7. HORN, P. 7

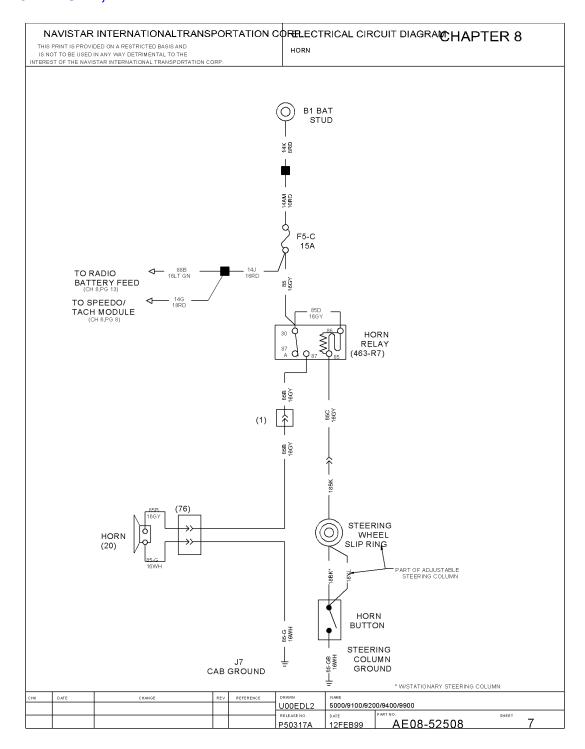


Figure 66 Horn

8.8. MIRROR LIGHTS AND HEATED MIRRORS, P. 8

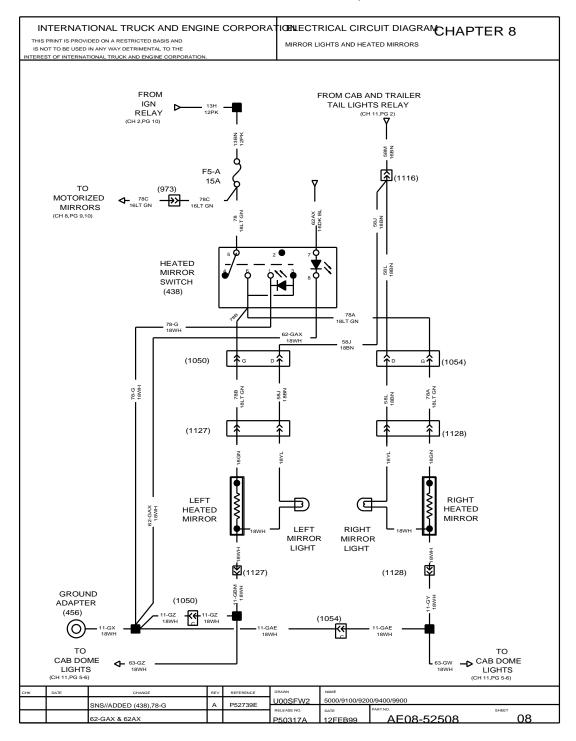


Figure 67 Mirror Lights and Heated Mirrors

8.9. RIGHT MOTORIZED MIRROR, P. 9

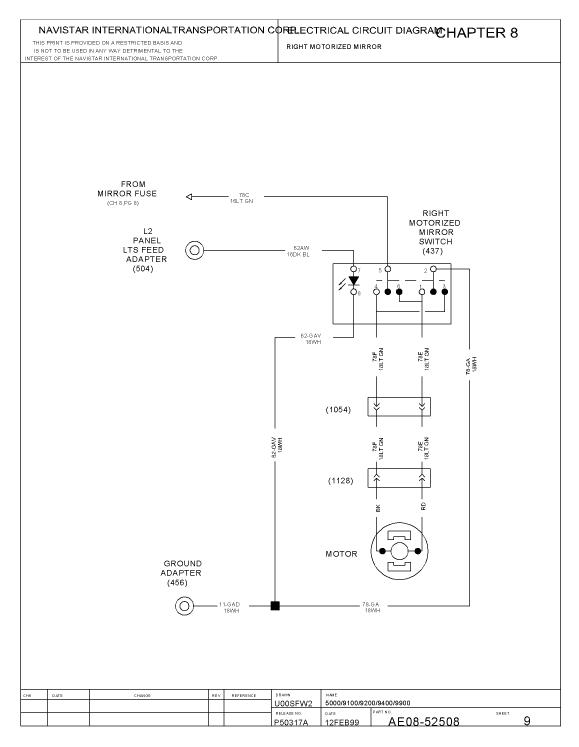


Figure 68 Right Motorized Mirror

8.10. DUAL AXIS MOTORIZED MIRRORS, P. 10

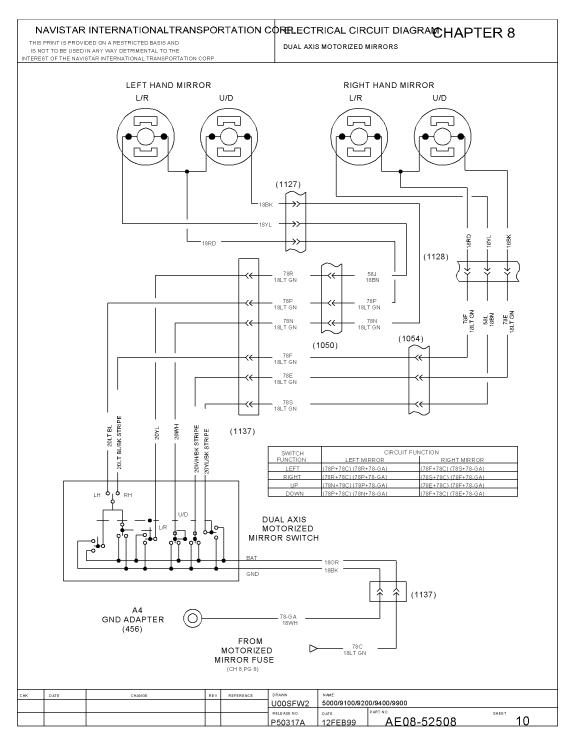


Figure 69 Dual Axis Motorized Mirrors

8.11. POWER SOURCE (CB), P. 11

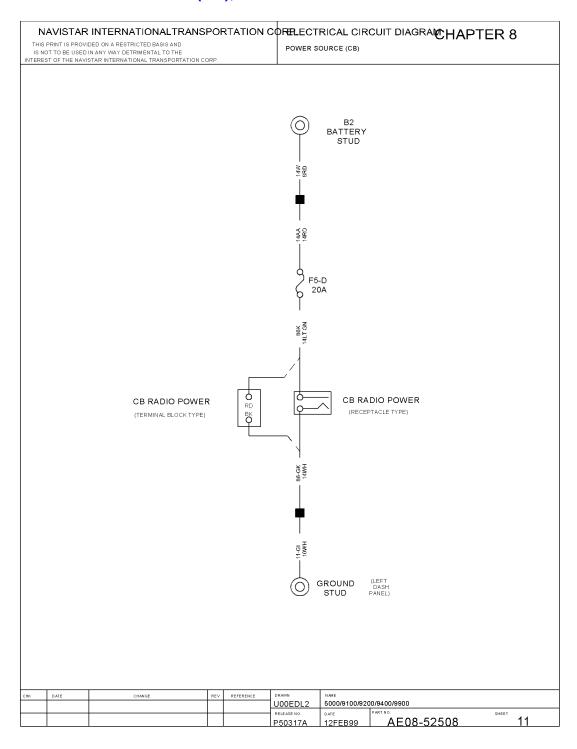


Figure 70 Power Source (CB)

8.12. RADIO-CB ACCOMMODATION PACKAGE, P. 12

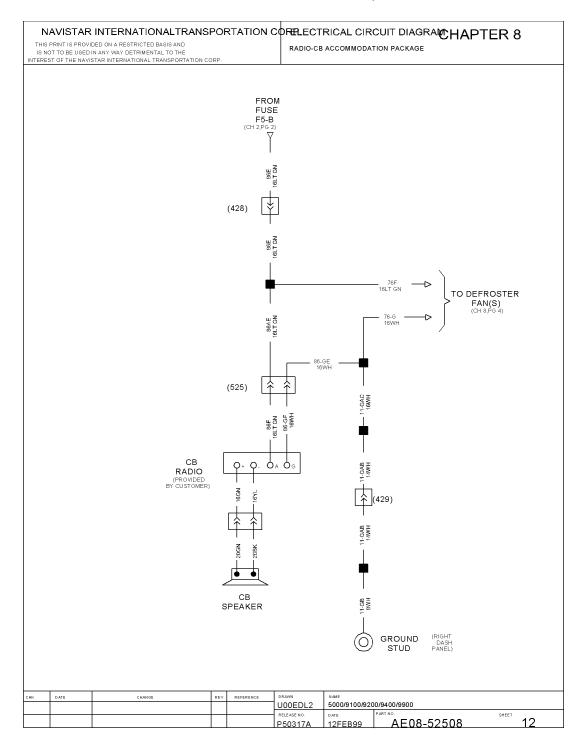


Figure 71 Radio-CB Accommodation Package

8.13. RADIO-CAB, SPEAKERS, P. 13

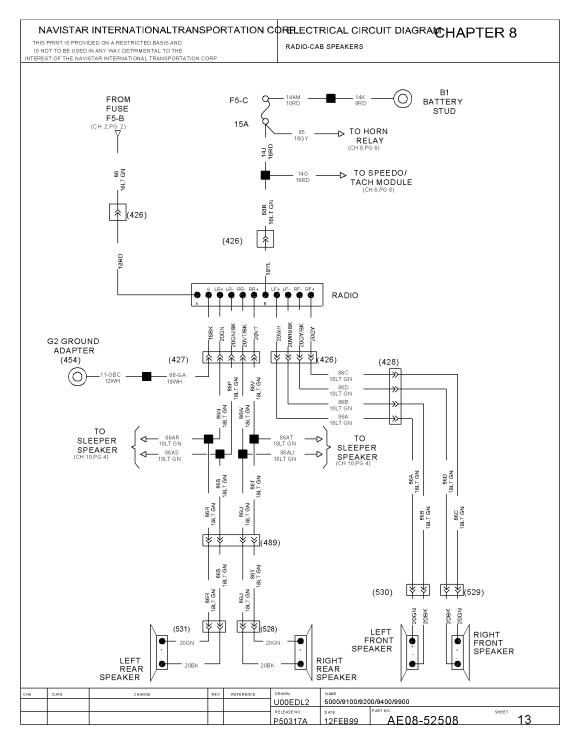


Figure 72 Radio-Cab Speakers

8.14. OWNER/OPERATOR SPARE SWITCH, P. 14

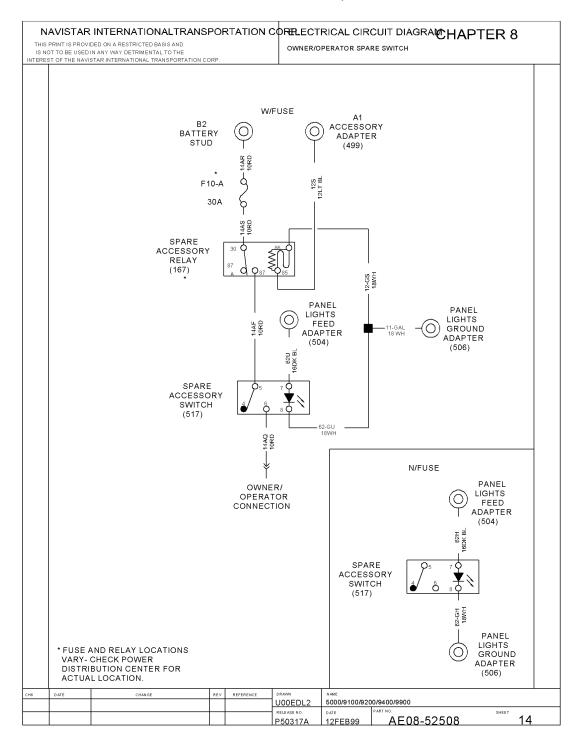


Figure 73 Owner/Operator Spare Switch

8.15. ELECTRIC LOCK — RIGHT AND LEFT, P. 15

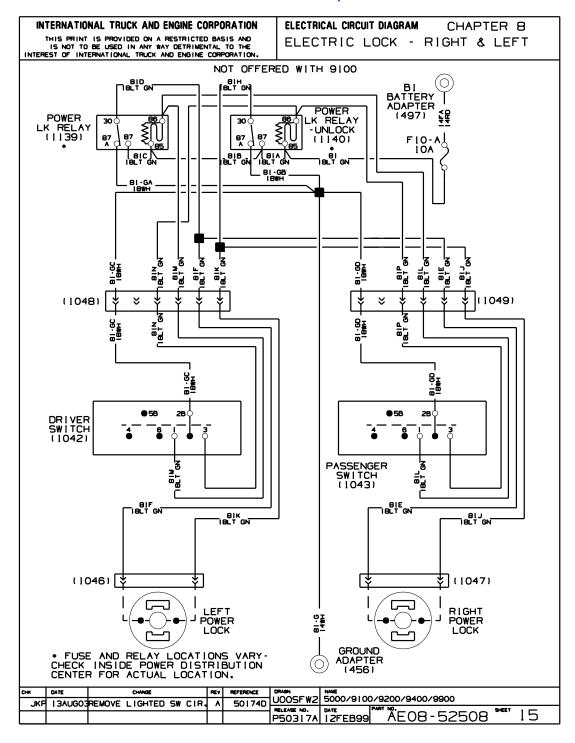


Figure 74 Electric Lock — Right and Left

8.16. INTERVISION DISPLAY, P. 16

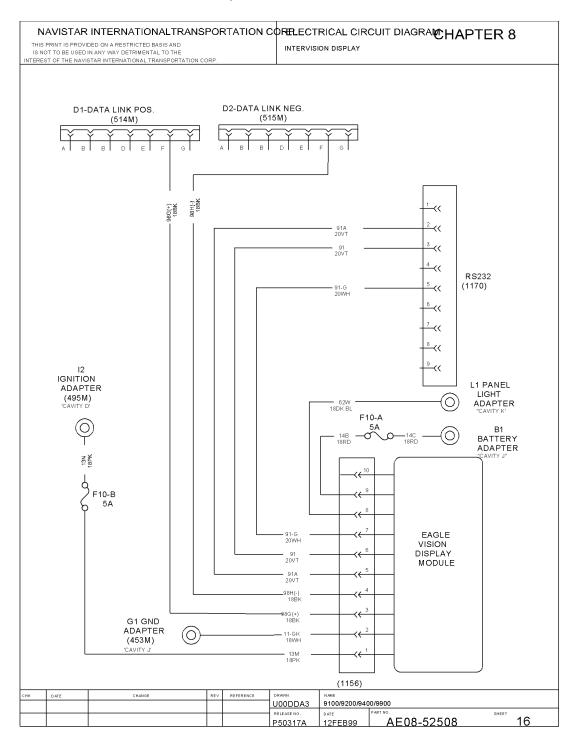


Figure 75 Intervision Display

8.17. EATON VORAD — COLLISION AVOIDANCE, P. 17

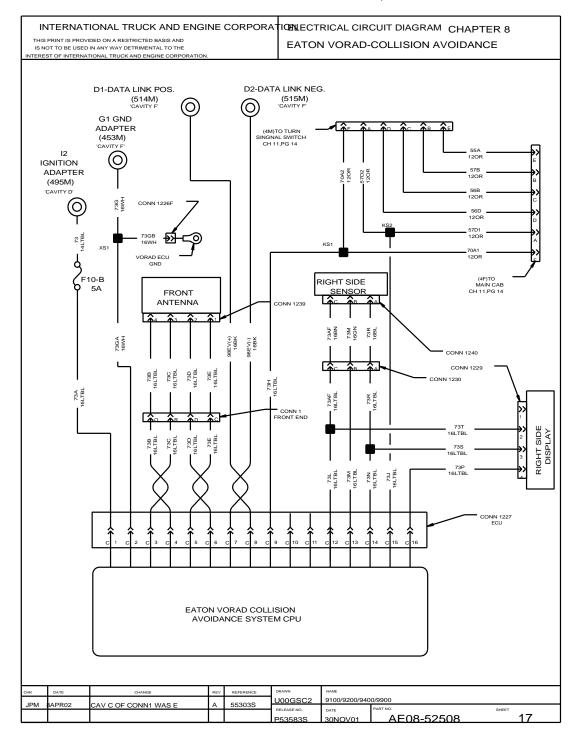


Figure 76 Eaton Vorad — Collision Avoidance

8.18. EATON VORAD — COLLISION AVOIDANCE, P. 18

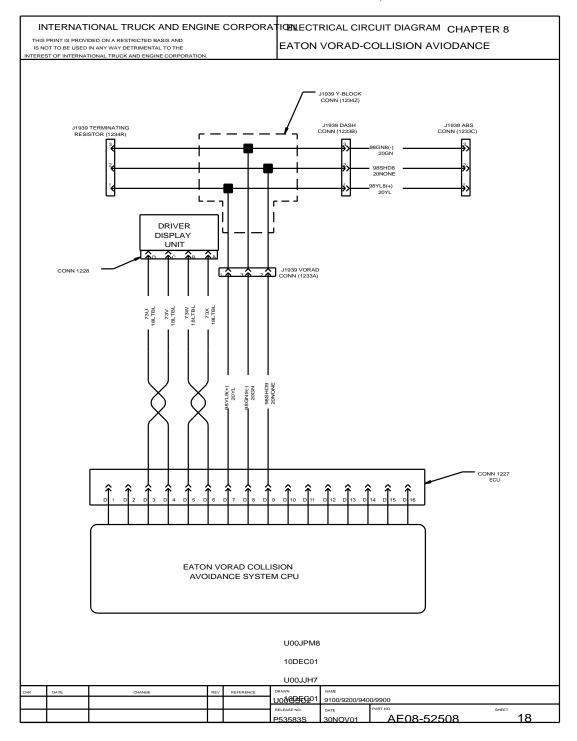


Figure 77 Eaton Vorad — Collision Avoidance

8.19. TEMPERATURE/COMPASS DISPLAY, P. 19

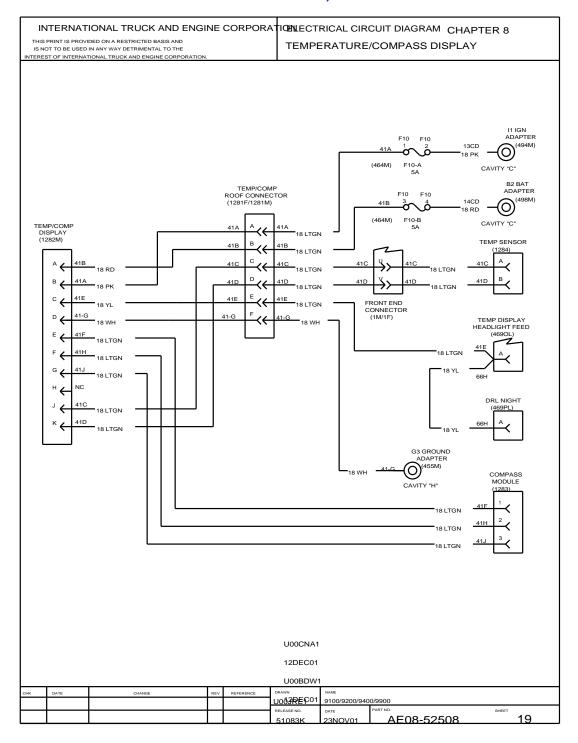


Figure 78 Temperature/Compass Display

8.20. ROAD RELAY IV, P. 20

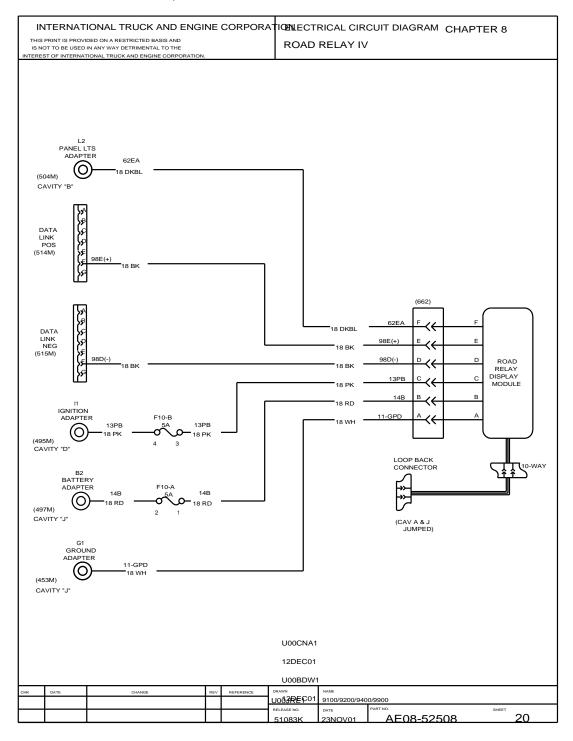


Figure 79 Road Relay IV

8.21. HEATED SEAT — DRIVER, P. 21

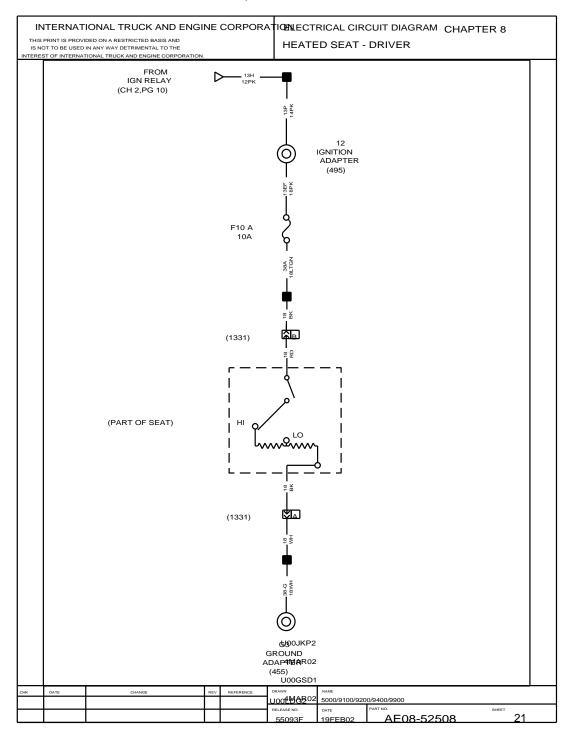


Figure 80 Heated Seat — Driver

8.22. HEATED SEAT — PASSENGER, P. 22

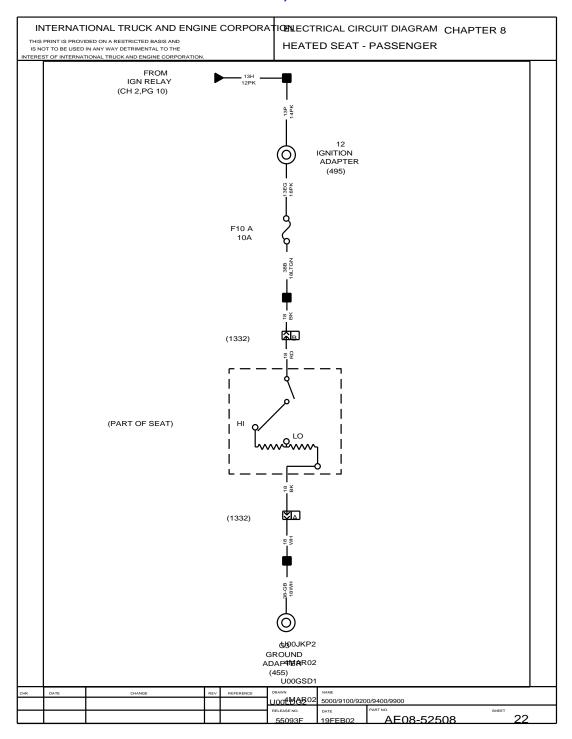


Figure 81 Heated Seat — Passenger

9. CHASSIS ACCESSORIES (CHAPTER 9)

9.1. AIR DRYER, P. 1

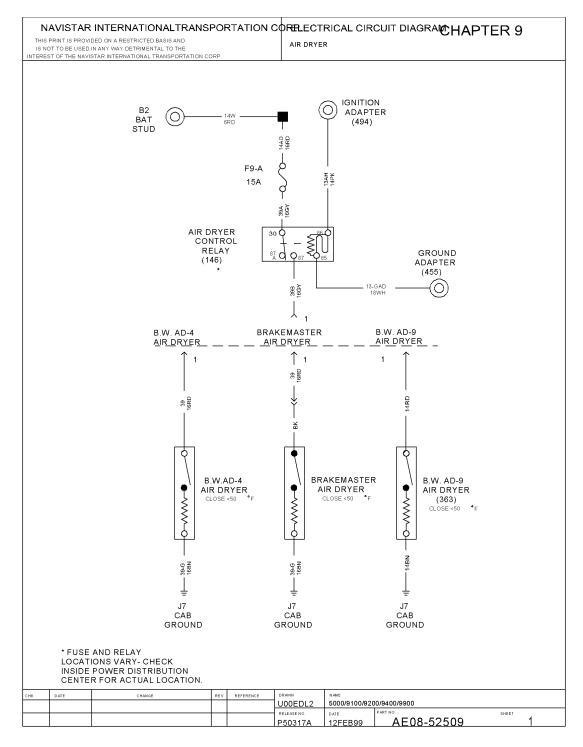


Figure 82 Air Dryer

9.2. ABS/ATC (BENDIX), P. 2

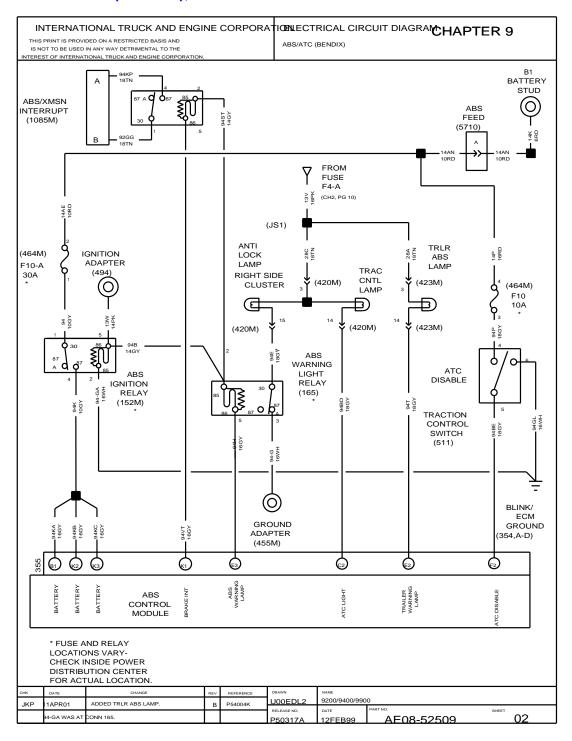


Figure 83 ABS/ATC (Bendix)

9.3. ABS/ATC (BENDIX) (CONT.), P. 3

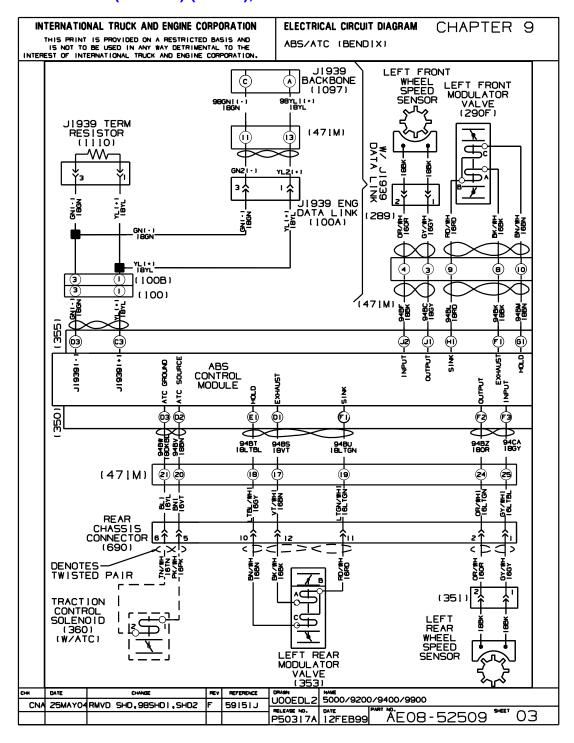


Figure 84 ABS/ATC (Bendix) (cont.)

9.4. ABS/ATC (BENDIX) (CONT.), P. 4

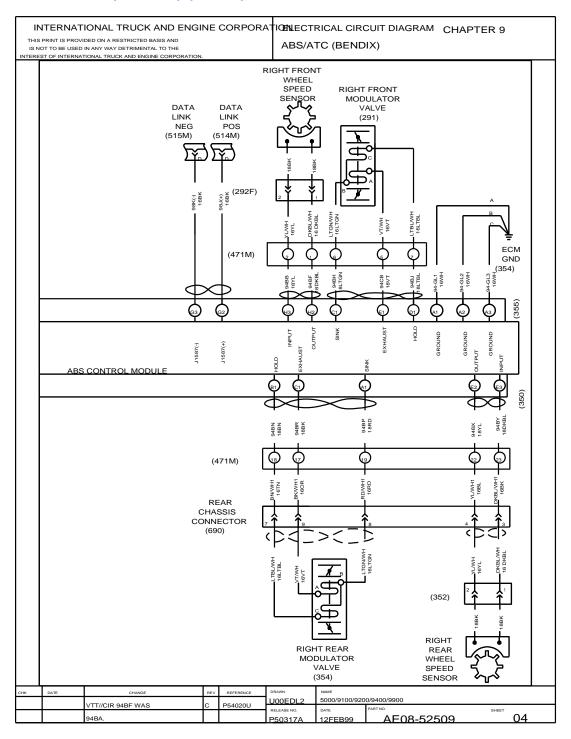


Figure 85 ABS/ATC (Bendix) (cont.)

9.5. ABS/ATC (WABCO), P. 5

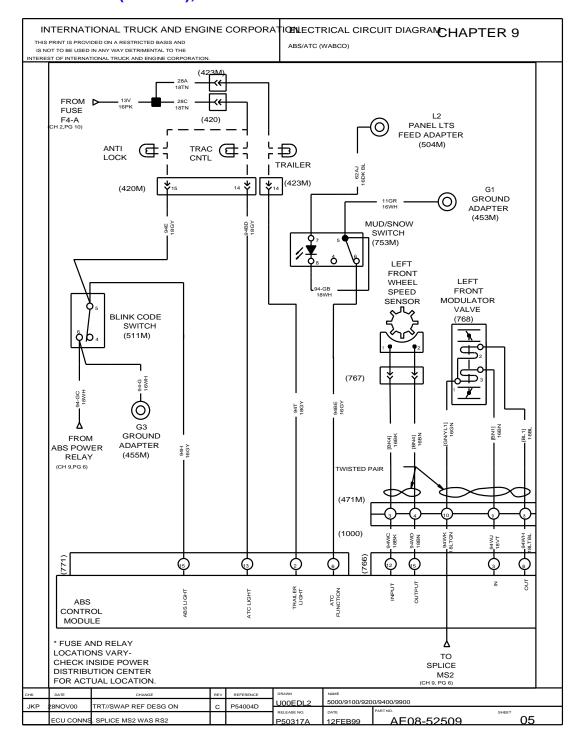


Figure 86 ABS/ATC (WABCO)

9.6. ABS/ATC (WABCO) (CONT.), P. 6

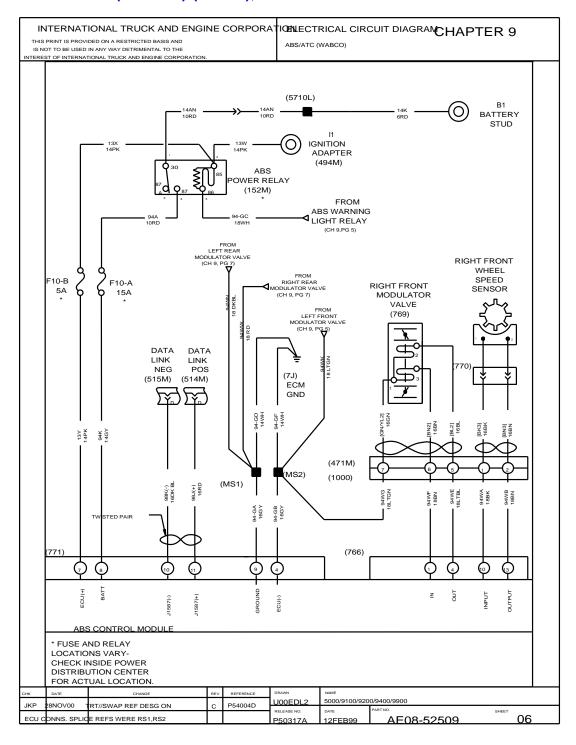


Figure 87 ABS/ATC (WABCO) (cont.)

9.7. ABS/ATC (WABCO) (CONT.), P. 7

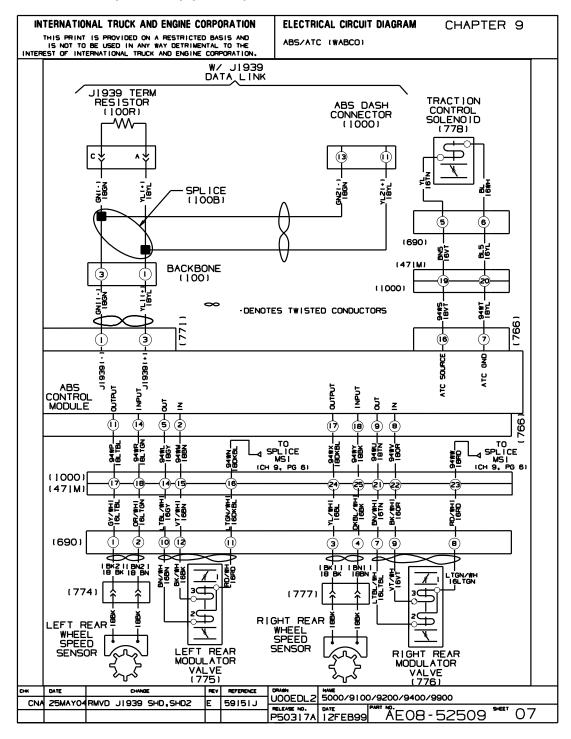


Figure 88 ABS/ATC (WABCO) (cont.)

9.8. TRAILER CONNECTION — BACK OF SLEEPER MOUNTED W/TRACTOR ABS, P. 8

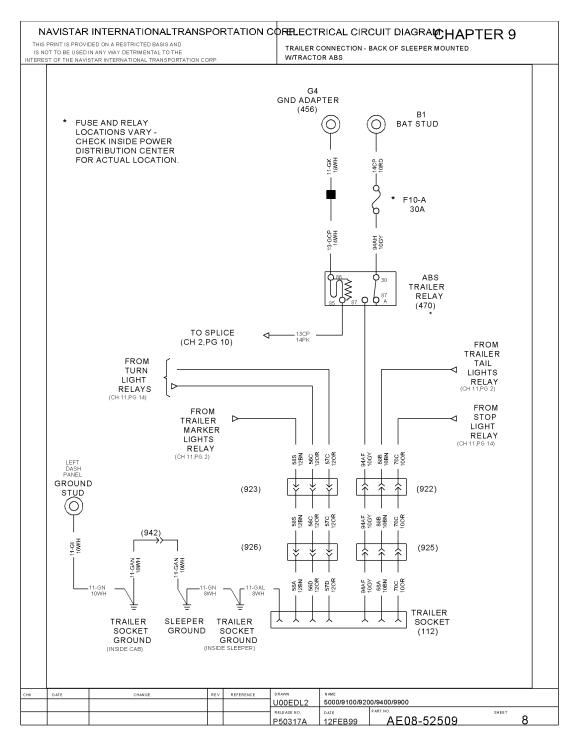


Figure 89 Trailer Connection — Back of Sleeper Mounted W/Tractor ABS

9.9. TRAILER CONNECTION W/FOUR WHEEL TRAILER — FRAME MOUNTED, P. 9

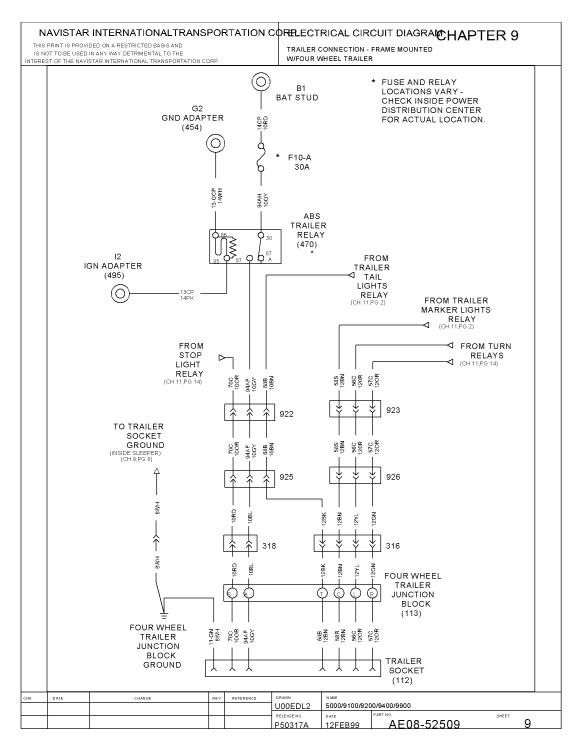


Figure 90 Trailer Connection W/Four Wheel Trailer — Frame Mounted

9.10. TWO SPEED AXLE WIRING, P. 10

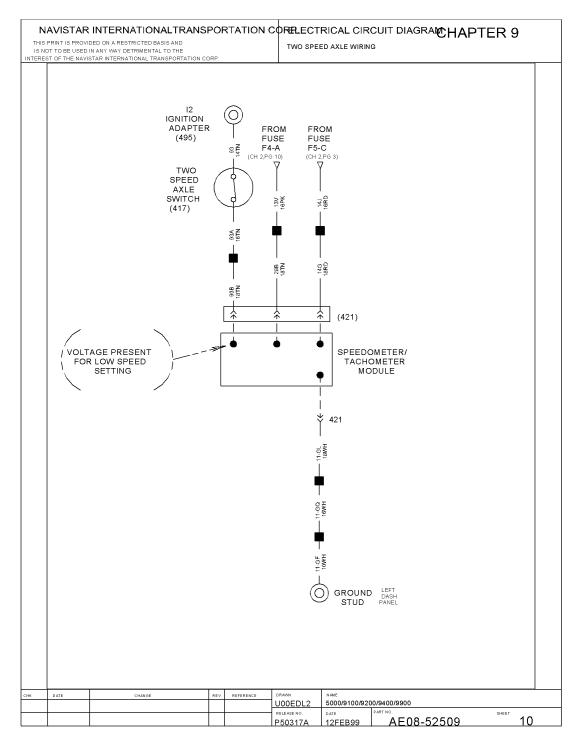


Figure 91 Two Speed Axle Wiring

9.11. TRUCK BODY CONNECTION, P. 11

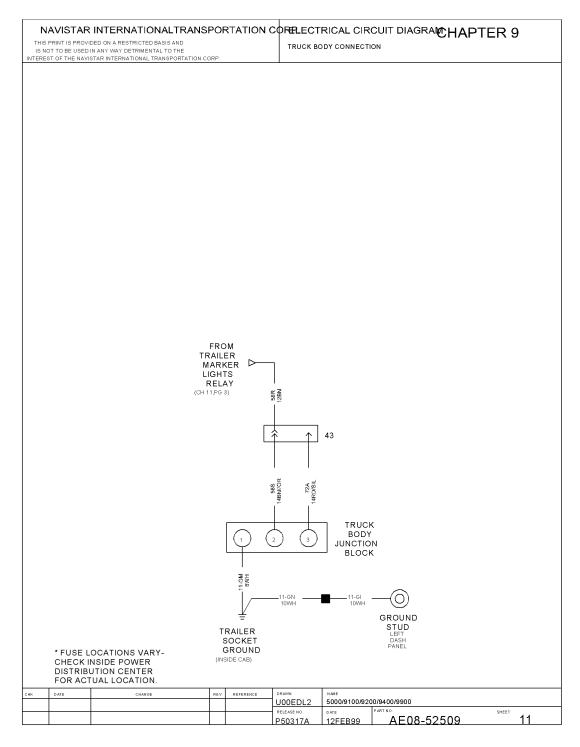


Figure 92 Truck Body Connection

9.12. TRAILER CONNECTION N/SLEEPER — BACK OF CAB MOUNTED, P. 12

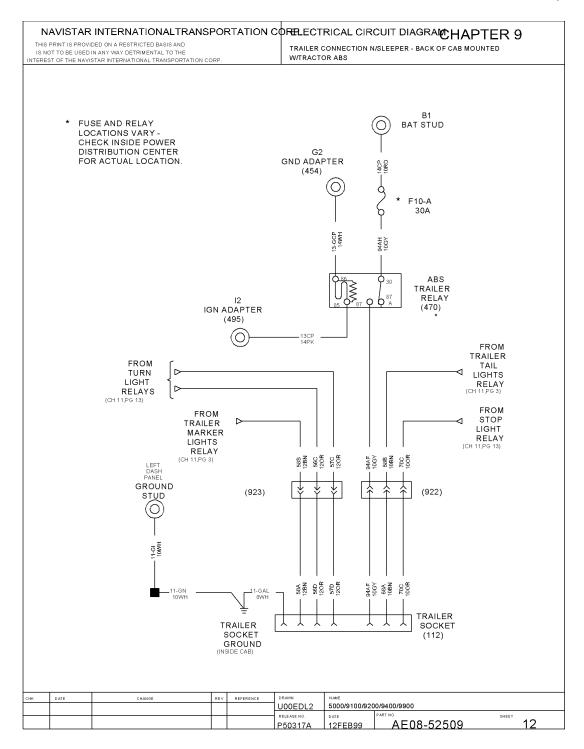


Figure 93 Trailer Connection N/Sleeper — Back of Cab Mounted

9.13. TRAILER CONNECTION W/FOUR WHEEL TRAILER — FRAME MOUNTED W/5000, P. 13

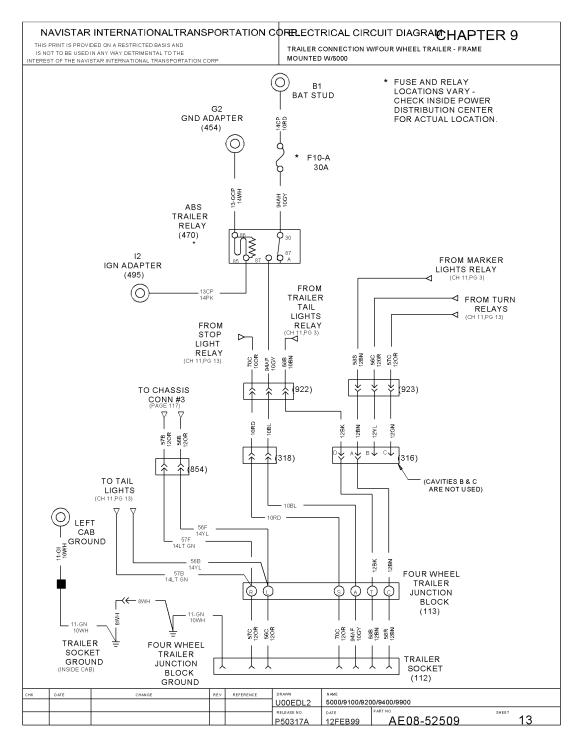


Figure 94 Trailer Connection W/Four Wheel Trailer — Frame Mounted W/5000

9.14. MERITOR G SERIES TRANSMISSION, P. 14

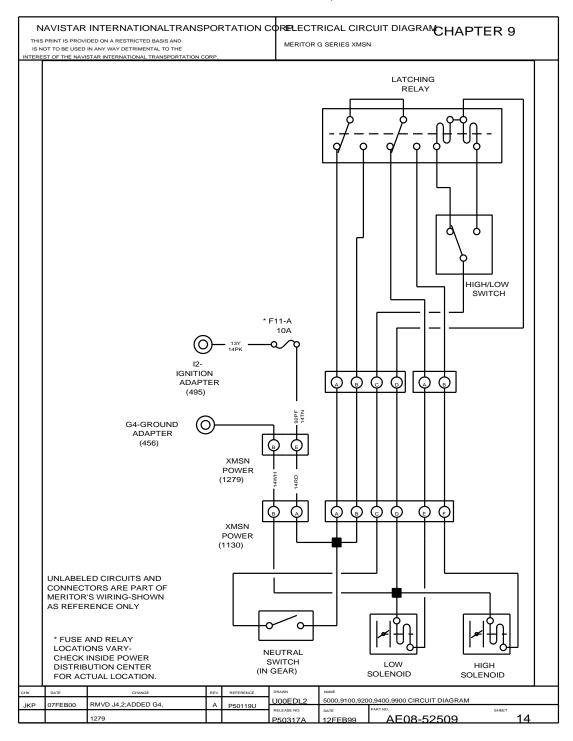


Figure 95 Meritor G Series Transmission

9.15. EATON AUTOSHIFT TRANSMISSION — CAB WIRING, P. 15

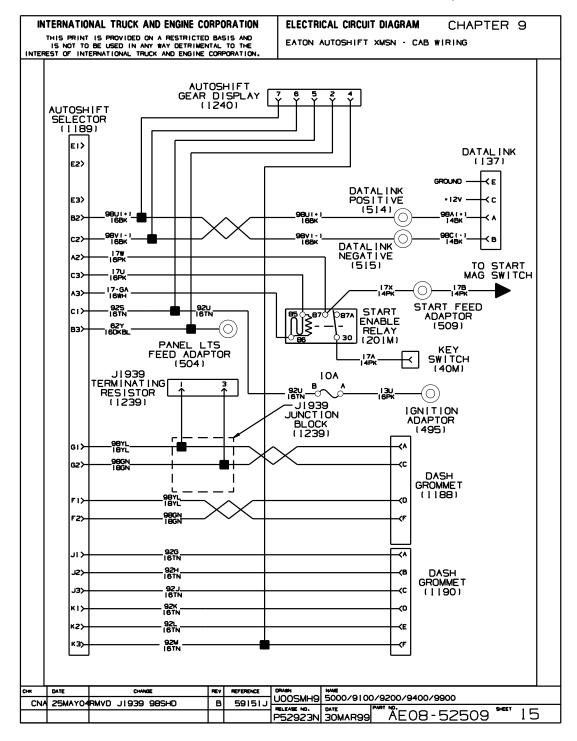


Figure 96 Eaton Autoshift Transmission — Cab Wiring

9.16. EATON AUTOSHIFT TRANSMISSION — TRANSMISSION WIRING, P. 16

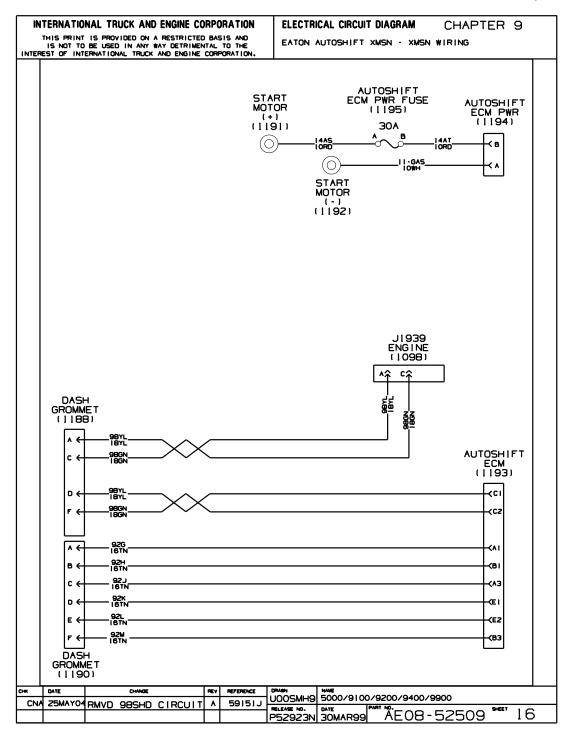


Figure 97 Eaton Autoshift Transmission — Transmission Wiring

9.17. EATON LIGHTNING TRANSMISSION — TRANSMISSION WIRING, P. 17

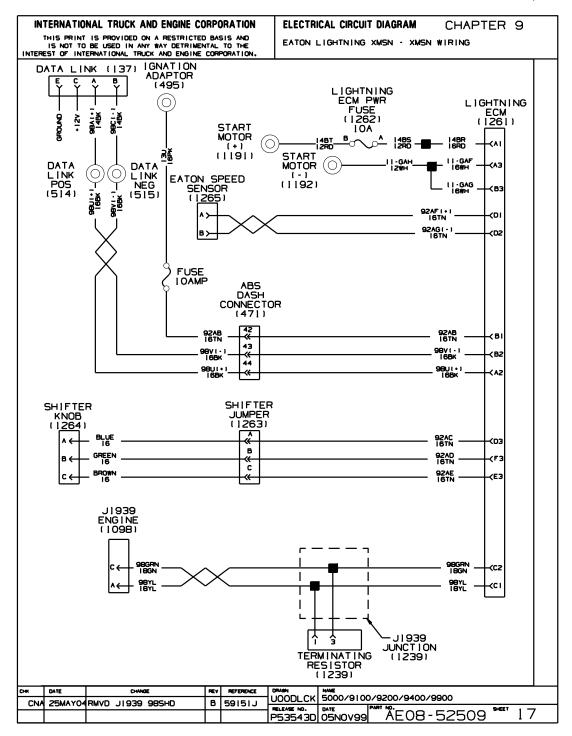


Figure 98 Eaton Lightning Transmission — Transmission Wiring

9.18. EATON ULTRASHIFT/DM2 — TRANSMISSION WIRING, P. 18

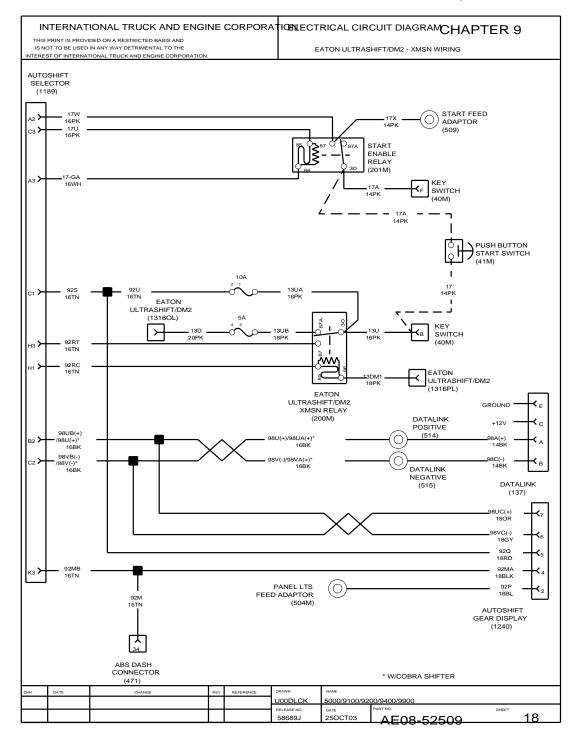


Figure 99 Eaton Ultrashift/DM2 — Transmission Wiring

9.19. EATON ULTRASHIFT/DM2 — TRANSMISSION WIRING (CONT.), P. 19

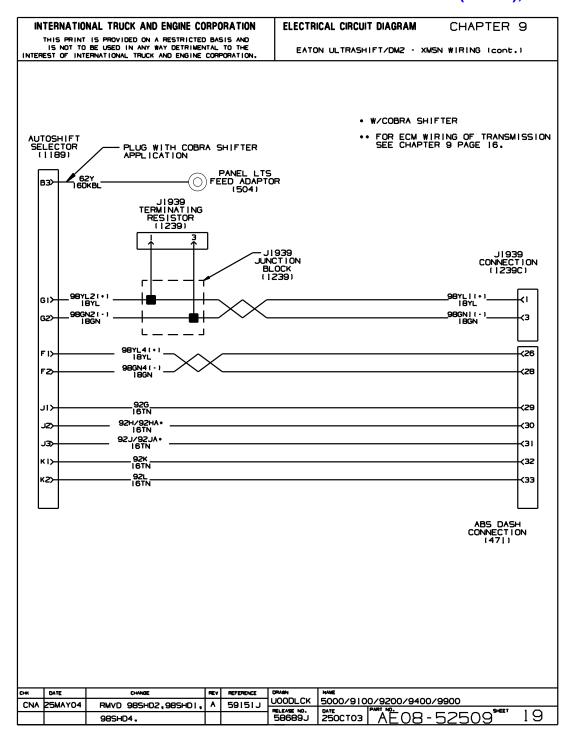


Figure 100 Eaton Ultrashift/DM2 — Transmission Wiring (Cont.)

9.20. EATON ULTRASHIFT/DM2 AND COBRA SHIFTER, P. 20

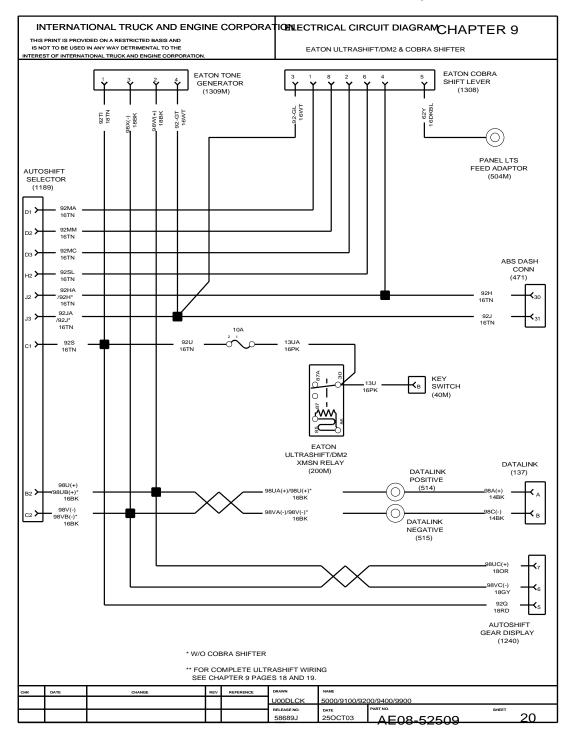


Figure 101 Eaton Ultrashift/DM2 and Cobra Shifter

9.21. ABS6/ATC BENDIX AIR, P. 21

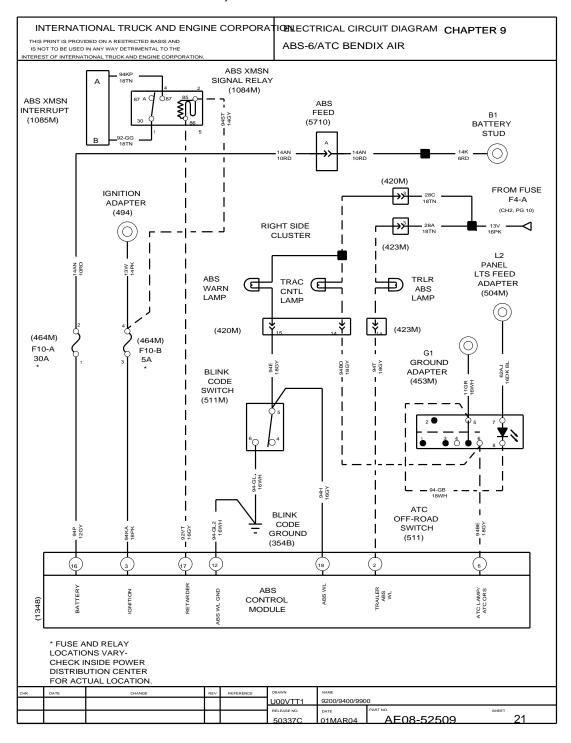


Figure 102 ABS6/ATC Bendix Air

9.22. ABS6/ATC BENDIX AIR, P. 22

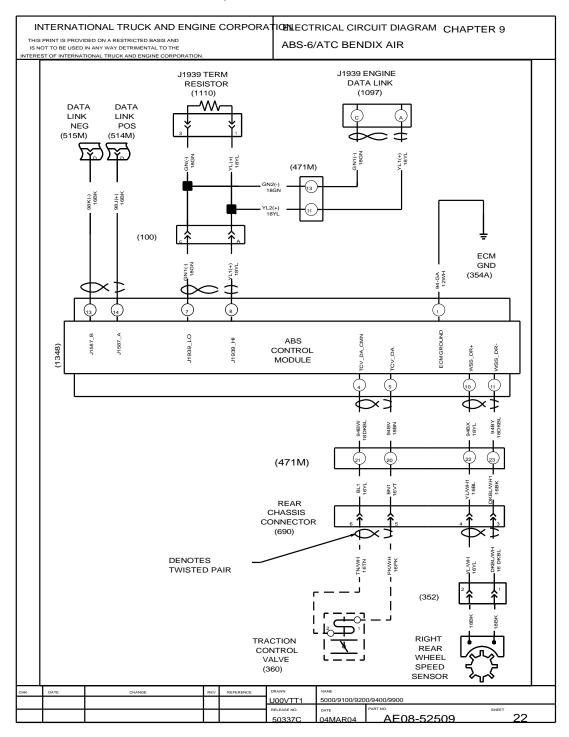


Figure 103 ABS6/ATC Bendix Air

9.23. ABS6/ATC BENDIX AIR, P. 23

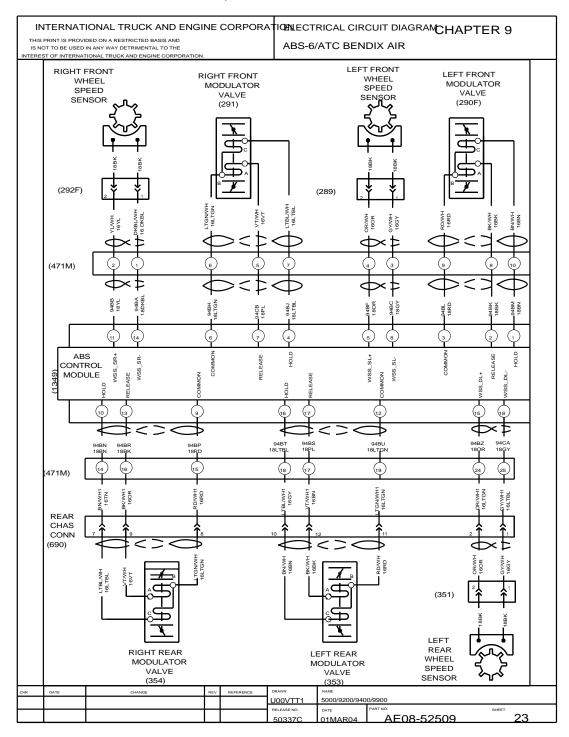


Figure 104 ABS6/ATC Bendix Air

9.24. ABS6 ADVANCE ECU, W/BENDIX RSP, P. 24

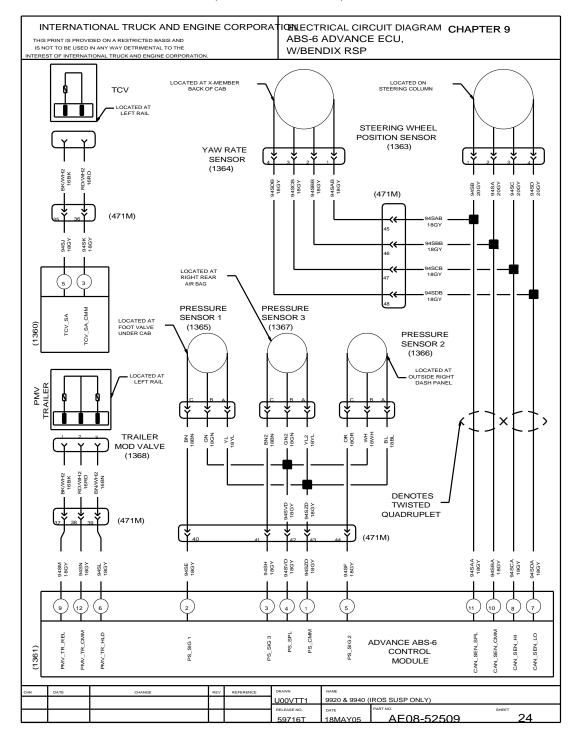


Figure 105 ABS6 Advance ECU, W/Bendix RSP

9.25. EATON AUTOSHIFT 3, P. 25

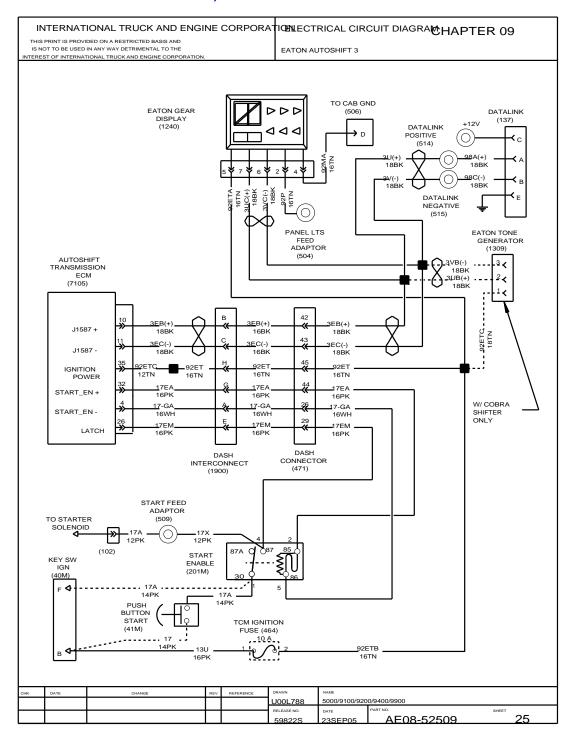


Figure 106 Eaton Autoshift 3

9.26. EATON AUTOSHIFT 3, P. 26

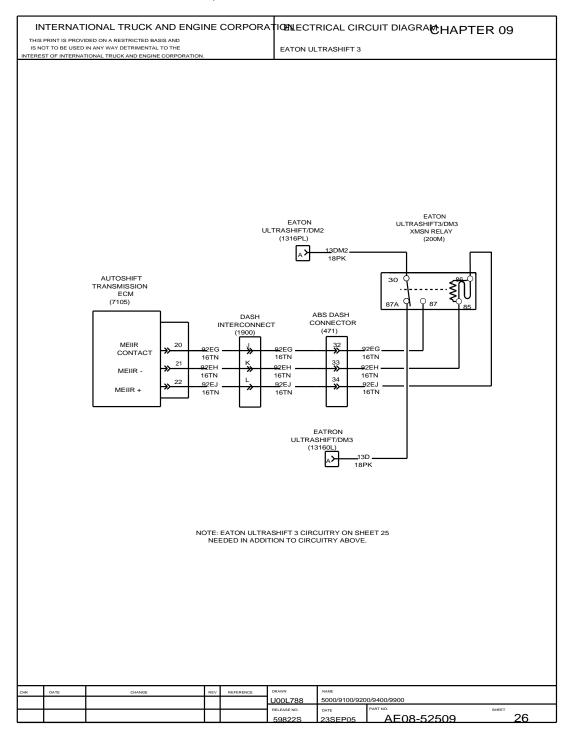


Figure 107 Eaton Autoshift 3

9.27. EATON AUTOSHIFT 3 W/PUSH BUTTON SHIFTER, P. 27

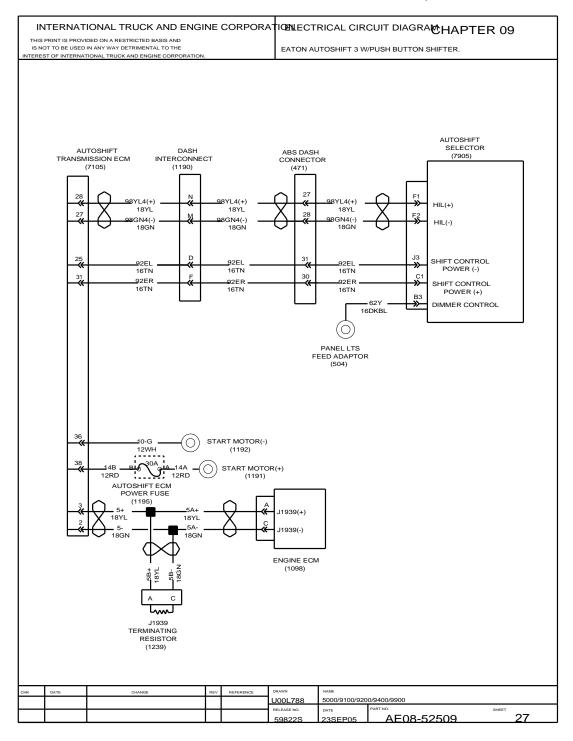


Figure 108 Eaton Autoshift 3 W/Push Button Shifter

9.28. EATON AUTOSHIFT 3 W/COBRA SHIFTER, P. 28

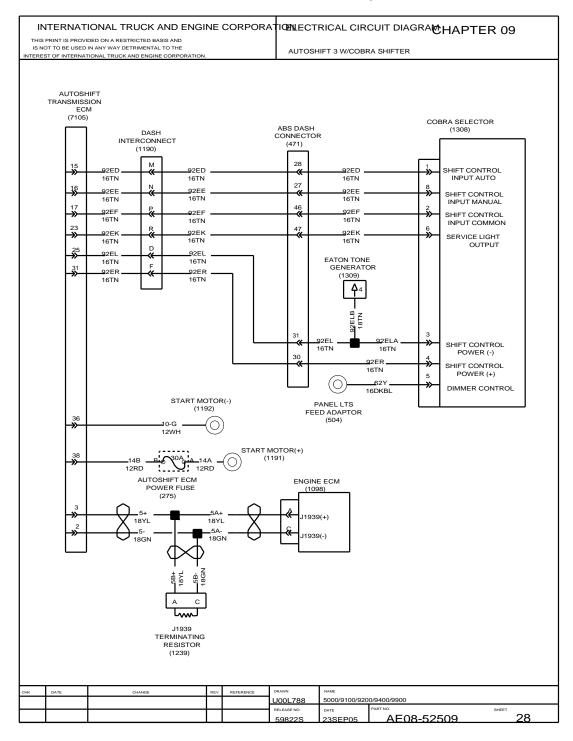


Figure 109 Eaton Autoshift 3 W/Cobra Shifter

10. SLEEPER LIGHTING AND ACCESSORIES (CHAPTER 10)

10.1. AUXILIARY CIRCULATION FAN (LOW ROOF), P. 1

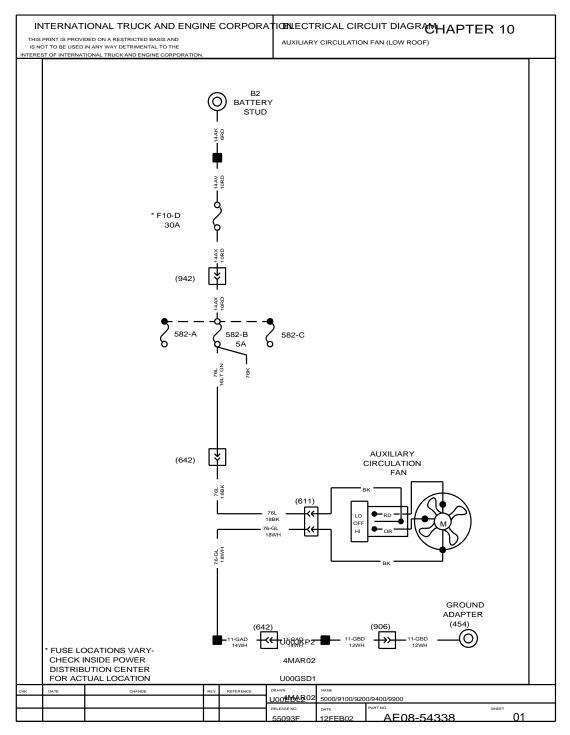


Figure 110 Auxiliary Circulation Fan (Low Roof)

10.2. AUXILIARY CIRCULATION FAN (HIGH ROOF), P. 2

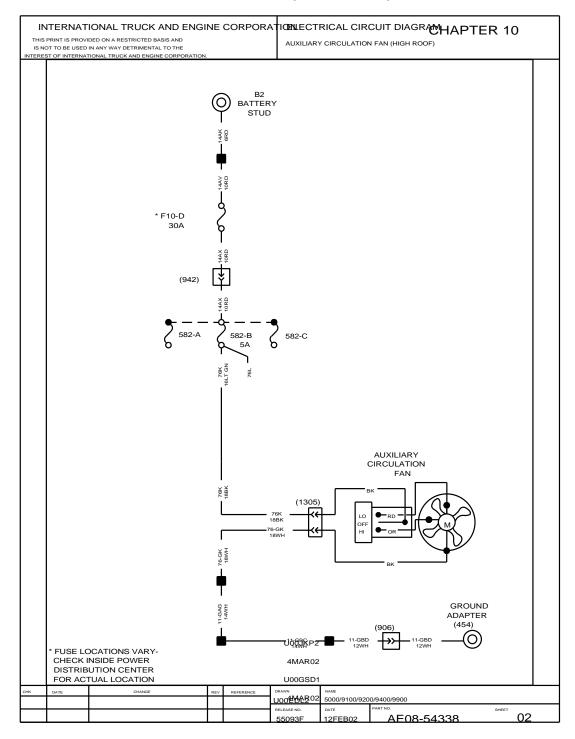


Figure 111 Auxiliary Circulation Fan (High Roof)

10.3. AUXILIARY CIRCULATION FAN (SKYRISE), P. 3

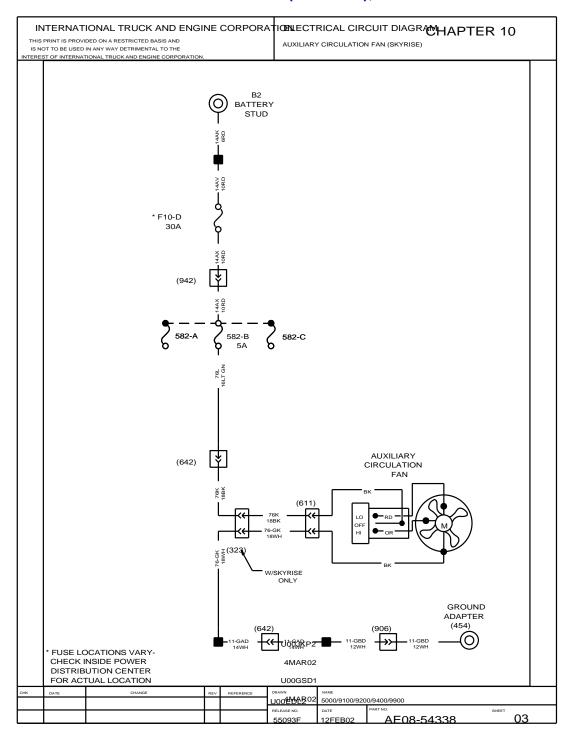


Figure 112 Auxiliary Circulation Fan (Skyrise)

10.4. BUNK FLUORESCENT AND READING LIGHTS, P. 4

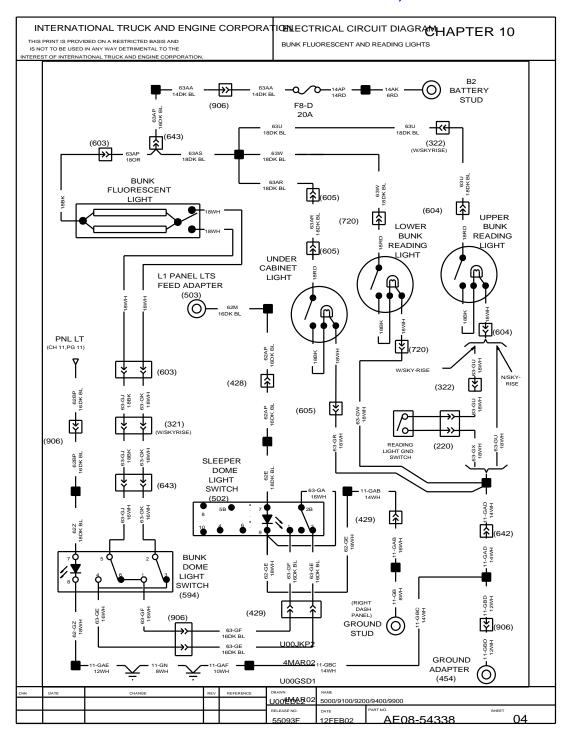


Figure 113 Bunk Fluorescent and Reading Lights

10.5. BUNK SPEAKERS, P. 5

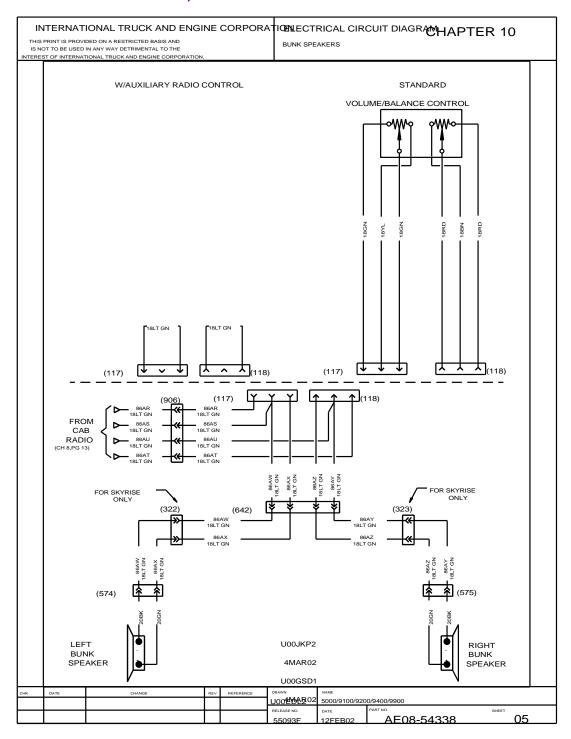


Figure 114 Bunk Speakers

10.6. LUGGAGE COMPARTMENT LIGHTS, P. 6

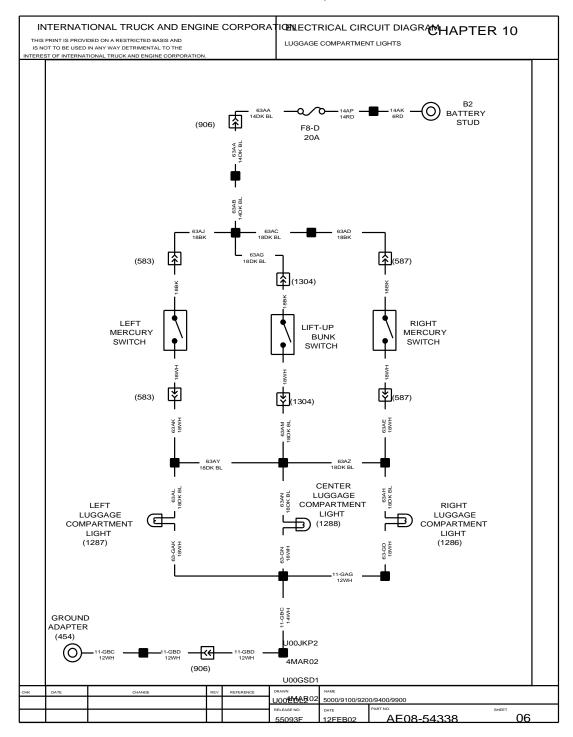


Figure 115 Luggage Compartment Lights

10.7. POWER SOURCE, P. 7

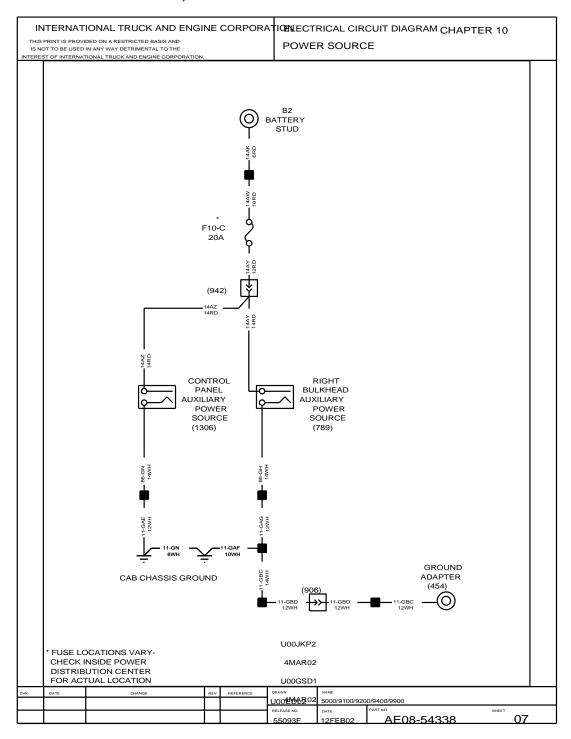


Figure 116 Power Source

10.8. REFRIGERATOR WIRING, P. 8

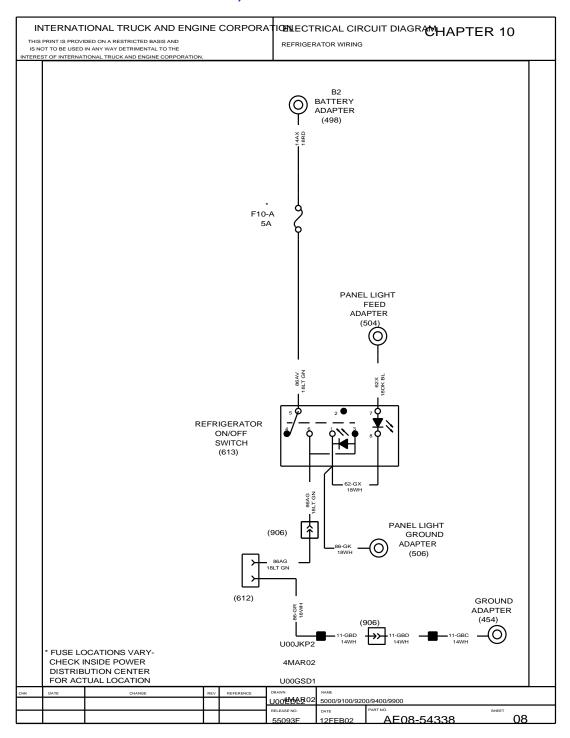


Figure 117 Refrigerator Wiring

10.9. TV/VCR WIRING, P. 9

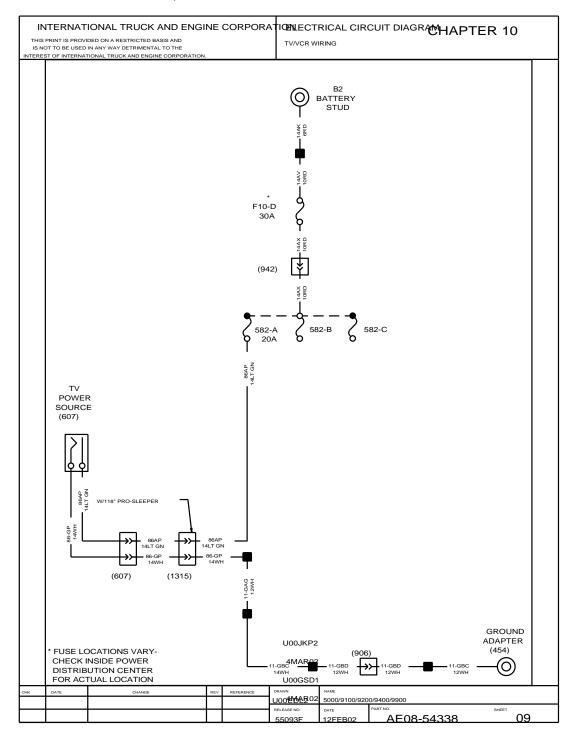


Figure 118 TV/VCR Wiring

10.10. OVERHEAD CABINETS, ACCENT LIGHTS, P. 10

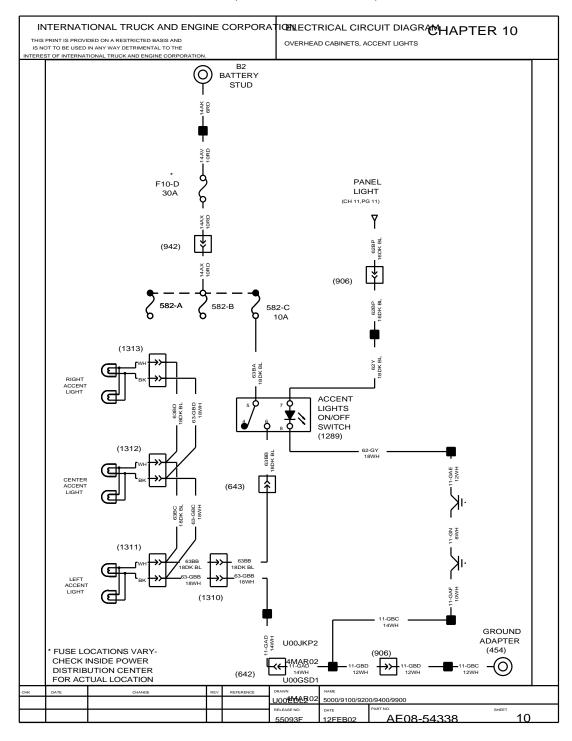


Figure 119 Overhead Cabinets, Accent Lights

10.11. OPTIONAL SLEEPER MOUNTED RADIO CONTROLS, P. 11

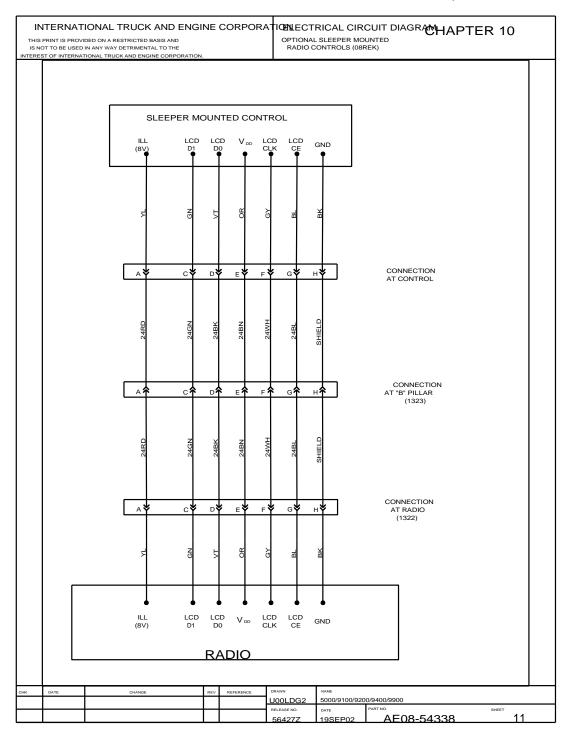


Figure 120 Optional Sleeper Mounted Radio Controls

10.12. SHORE POWER WIRING (08WET) NOT WITH INVERTER, P. 12

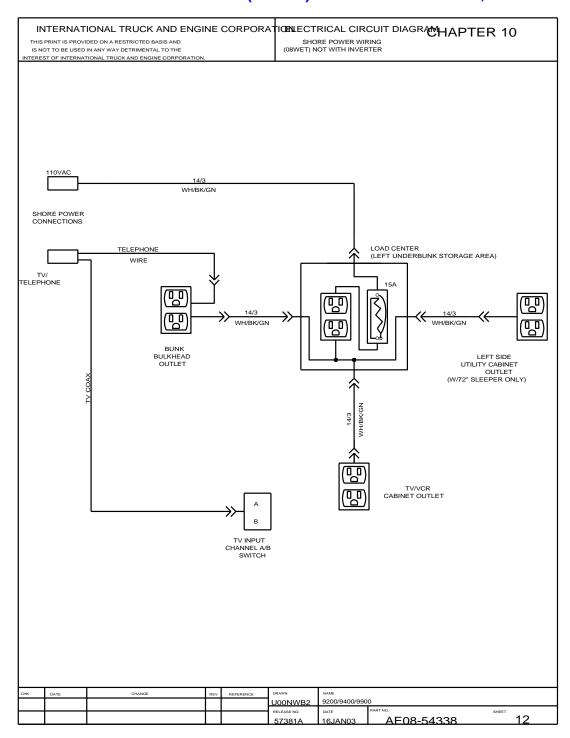


Figure 121 Shore Power Wiring (08WET) Not With Inverter

10.13. SHORE POWER WIRING (08WET) WITH INVERTER (08WES), P. 13

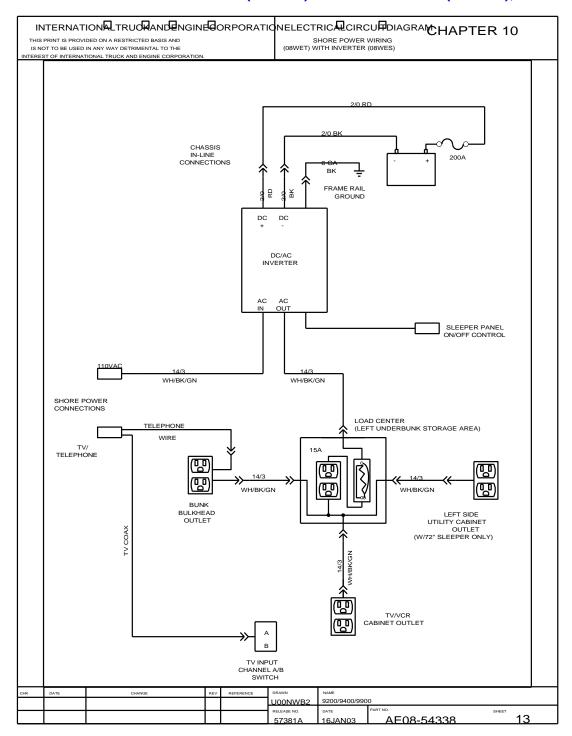


Figure 122 Shore Power Wiring (08WET) With Inverter (08WES)

11. LIGHT SYSTEMS (CHAPTER 11)

11.1. BACK-UP LIGHTS, P. 1

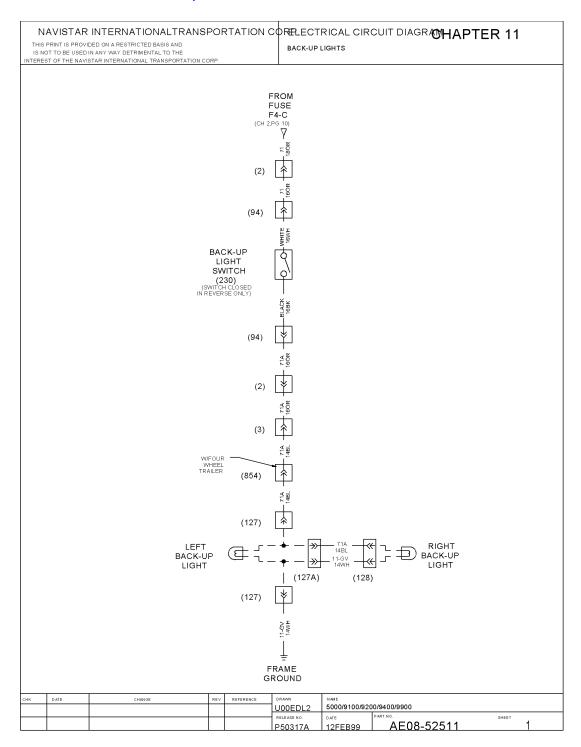


Figure 123 Back-Up Lights

11.2. CAB AND TRAILER LIGHTS SWITCH AND RELAYS WIRING, P. 2

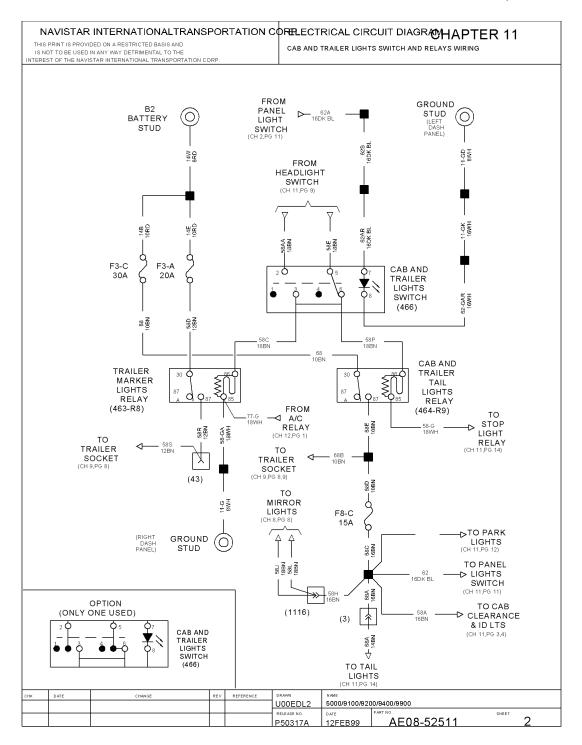


Figure 124 Cab and Trailer Lights Switch and Relays Wiring

11.3. CAB CLEARANCE AND IDENTIFICATION LIGHTS, P. 3

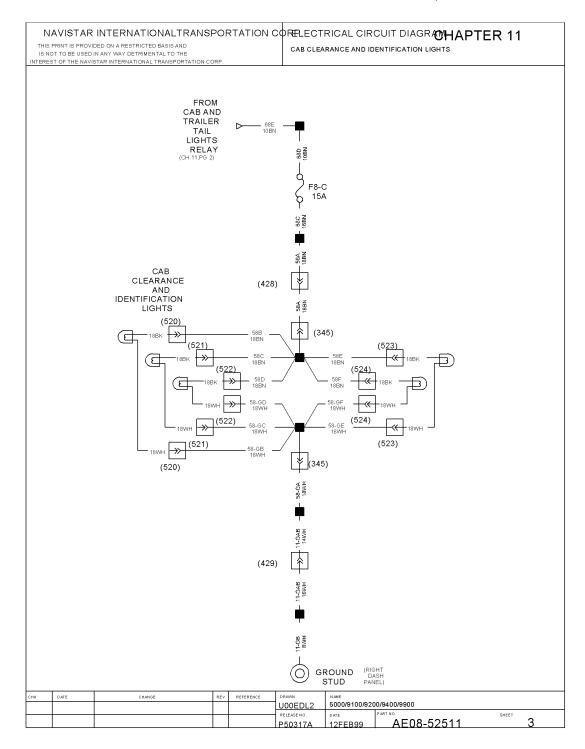


Figure 125 Cab Clearance and Identification Lights

11.4. WORK LIGHT N/SLEEPER, P. 4

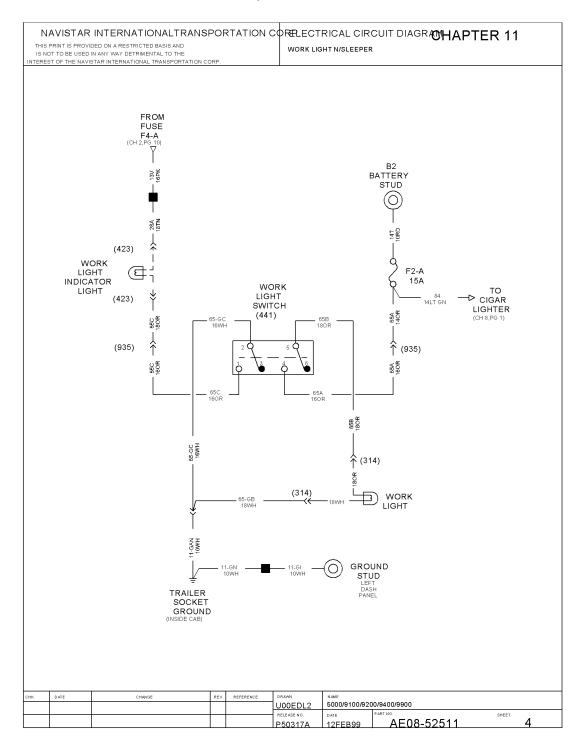


Figure 126 Work Light N/Sleeper

11.5. CAB DOME, READING AND COURTESY LIGHTS N/SKYRISE, P. 5

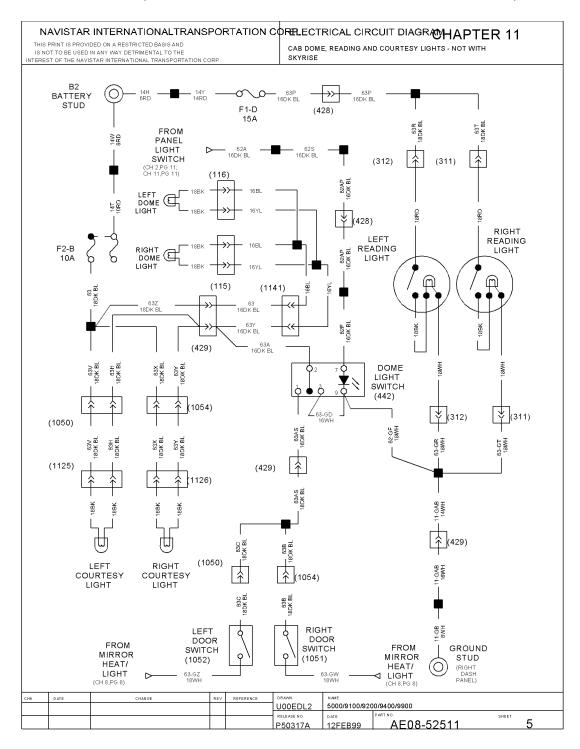


Figure 127 Cab Dome, Reading and Courtesy Lights N/Skyrise

11.6. CAB DOME, READING AND COURTESY LIGHTS W/SKYRISE, P. 6

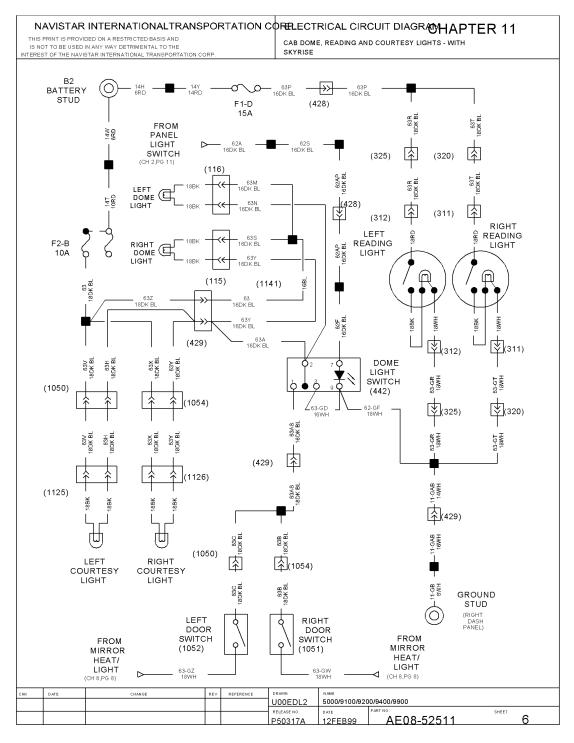


Figure 128 Cab Dome, Reading and Courtesy Lights W/Skyrise

11.7. DAYTIME RUNNING LIGHTS (DRL) — USA, P. 7

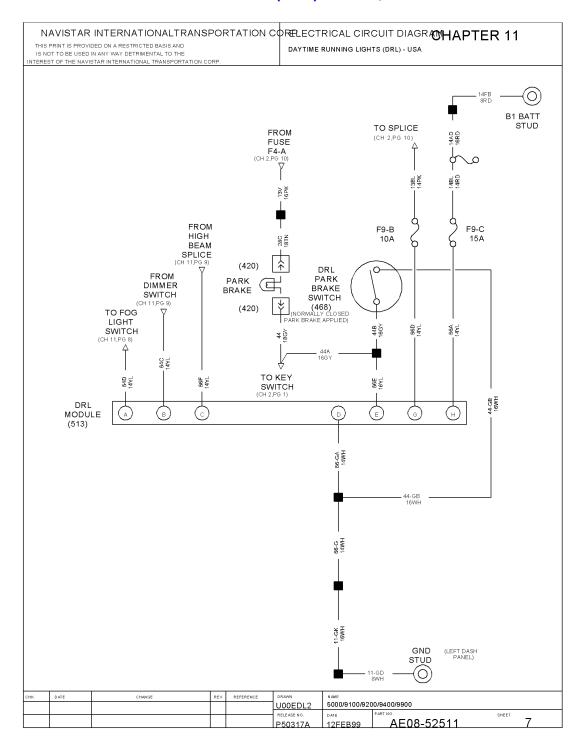


Figure 129 Daytime Running Lights (DRL) — USA

11.8. FOGLIGHTS — CAB/FRONT END EFFECTS, P. 8

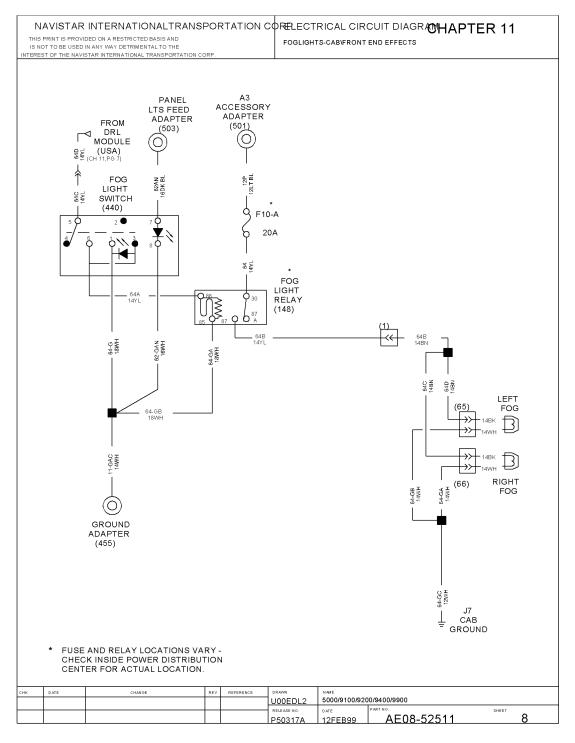


Figure 130 Foglights — Cab/Front End Effects

11.9. HEADLIGHT SWITCH AND DIMMER SWITCH WIRING, P. 9

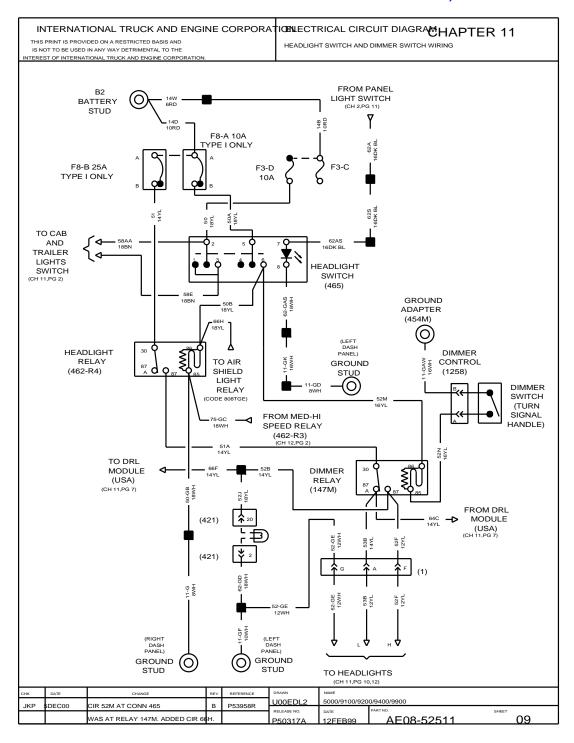


Figure 131 Headlight Switch and Dimmer Switch Wiring

11.10. HEADLIGHTS, P. 10

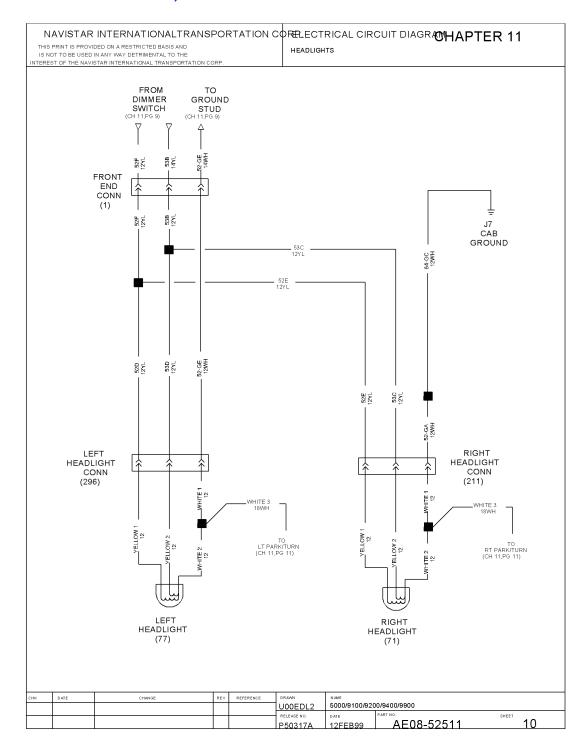


Figure 132 Headlights

11.11. PANEL LIGHTS, P. 11

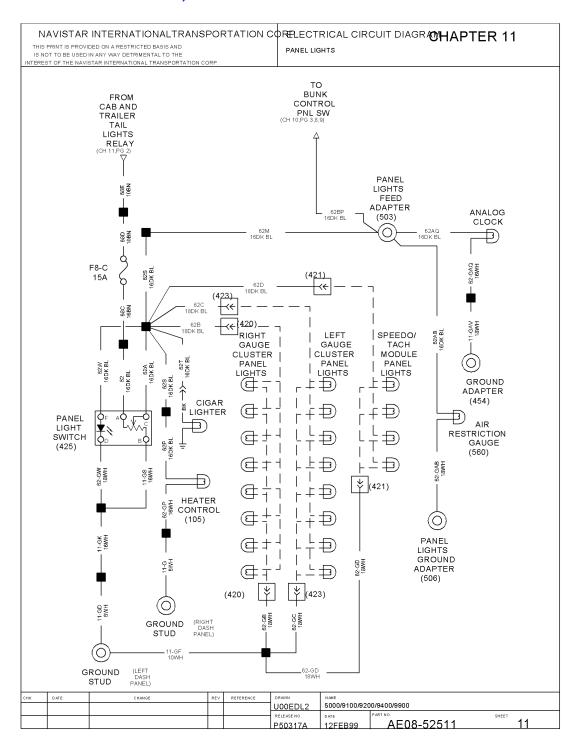


Figure 133 Panel Lights

11.12. PARK/TURN/SIDE MARKER LIGHTS — WITH DRL, P. 12

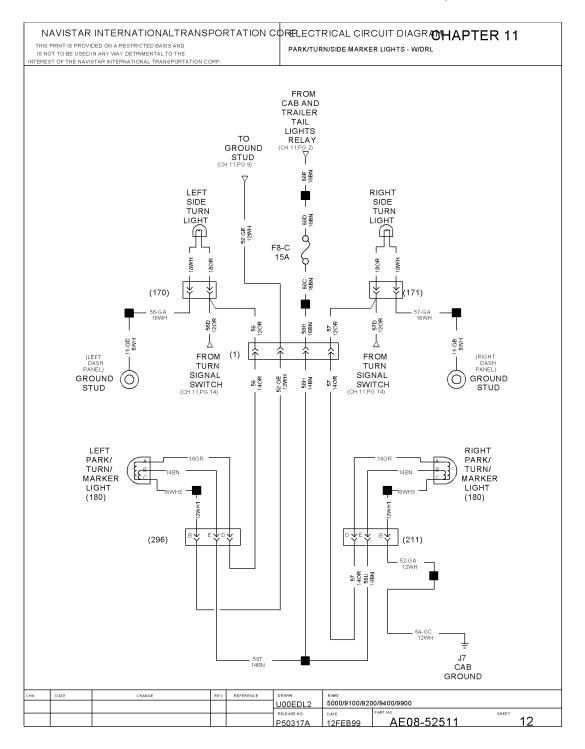


Figure 134 Park/Turn/Side Marker Lights — With DRL

11.13. SPOTLIGHT, P. 13

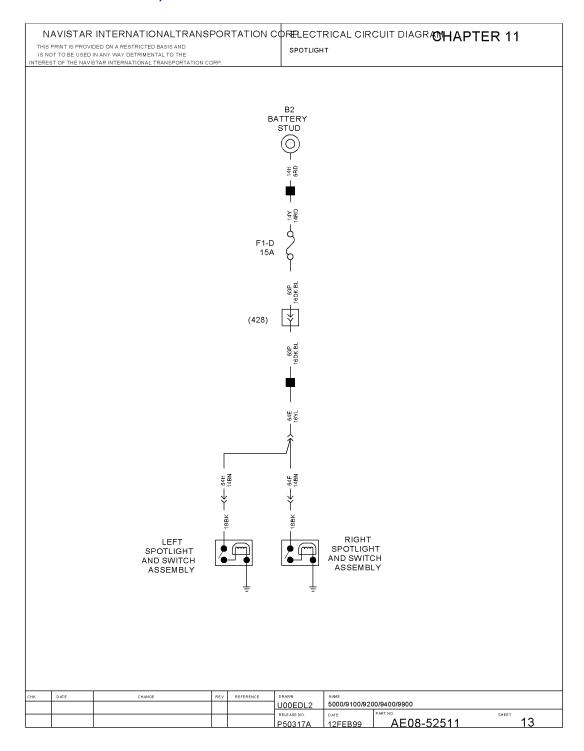


Figure 135 Spotlight

11.14. STOP, TAIL, TURN AND HAZARD SIGNAL LIGHTS WITH FLASHER, P. 14

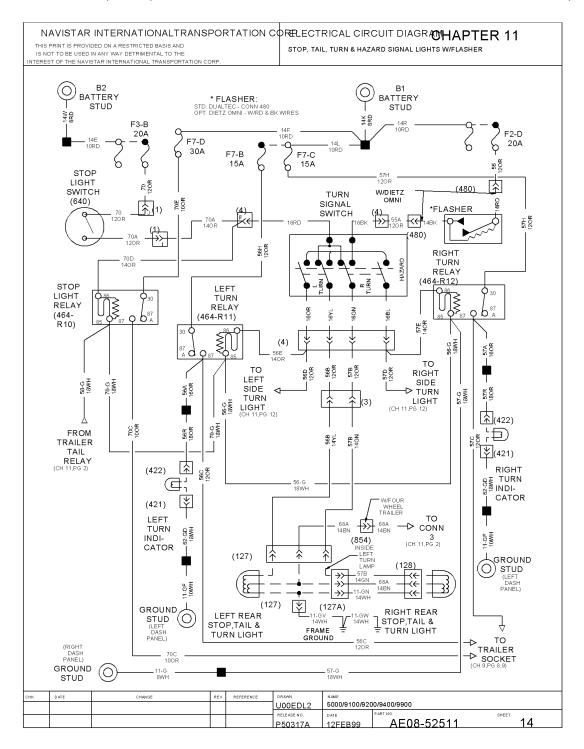


Figure 136 Stop, Tail, Turn and Hazard Signal Lights With Flasher

11.15. WORK LIGHT W/SLEEPER, P. 15

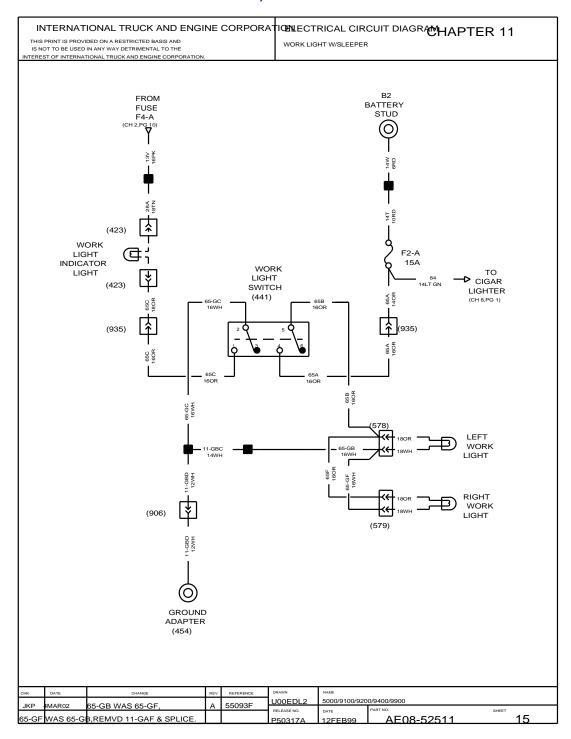


Figure 137 Work Light W/Sleeper

12. HEATER AND AIR CONDITIONER (CHAPTER 12)

12.1. AIR CONDITIONER — CAB, P. 1

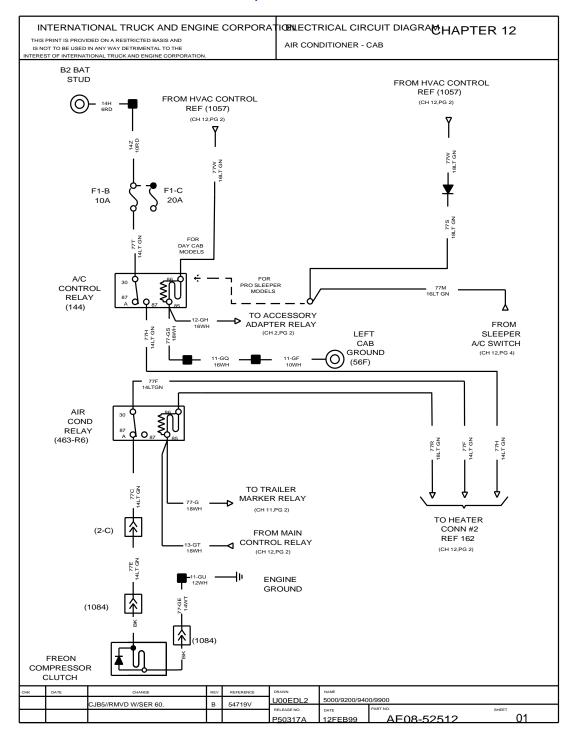


Figure 138 Air Conditioner — Cab

12.2. HEATER — CAB, P. 2

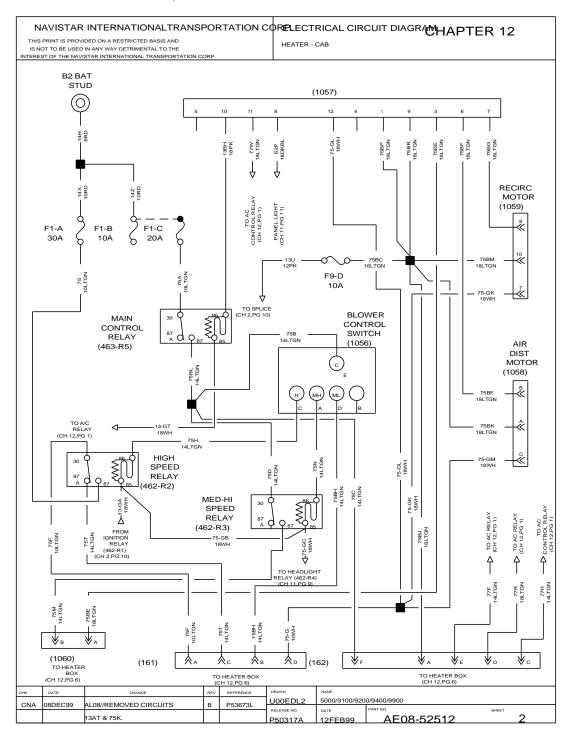


Figure 139 Heater — Cab

12.3. HEATER — BUNK AUXILIARY BLOWER, P. 3

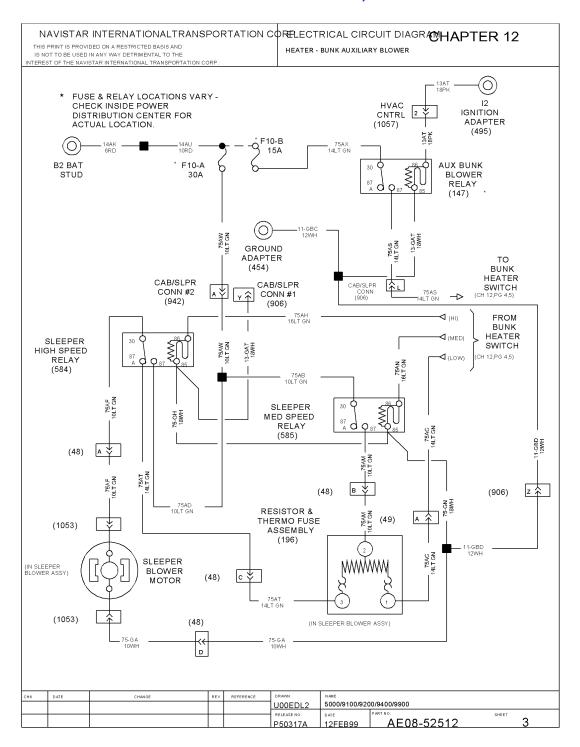


Figure 140 Heater — Bunk Auxiliary Blower

12.4. HEATER — BUNK W/STANDARD TEMPERATURE CONTROL, P. 4

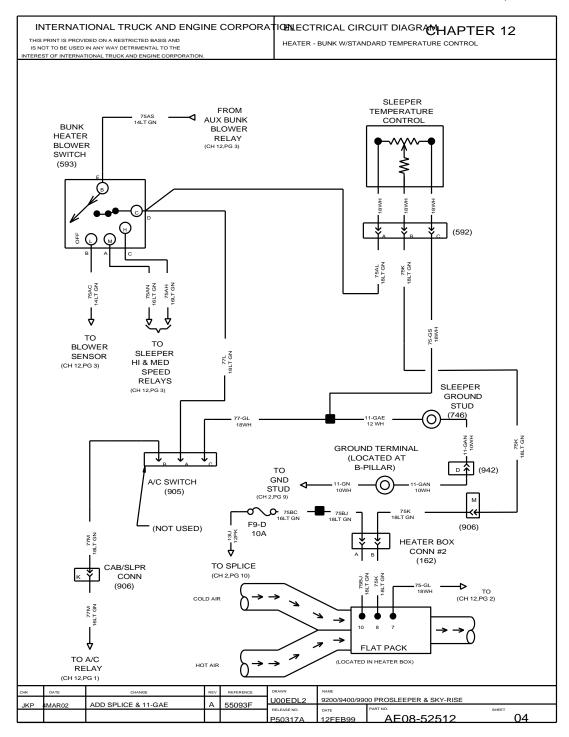


Figure 141 Heater — Bunk W/Standard Temperature Control

12.5. HEATER — BUNK W/THERMOSTAT TEMPERATURE CONTROL, P. 5

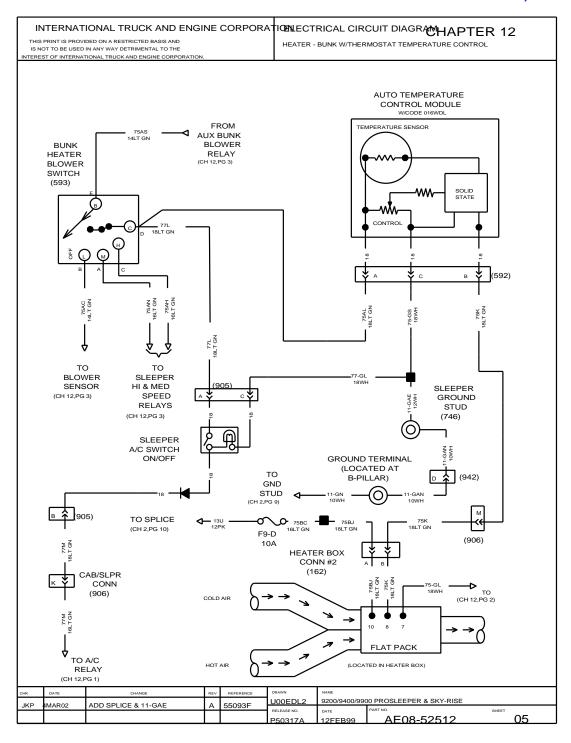


Figure 142 Heater — Bunk W/Thermostat Temperature Control

12.6. LOWERED HEATER BOX, P. 6

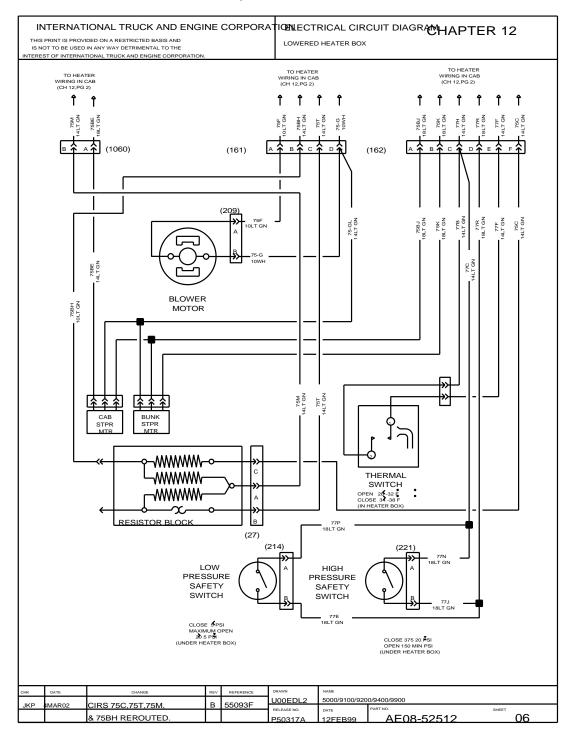


Figure 143 Lowered Heater Box

12.7. AUX HEATER, P. 7

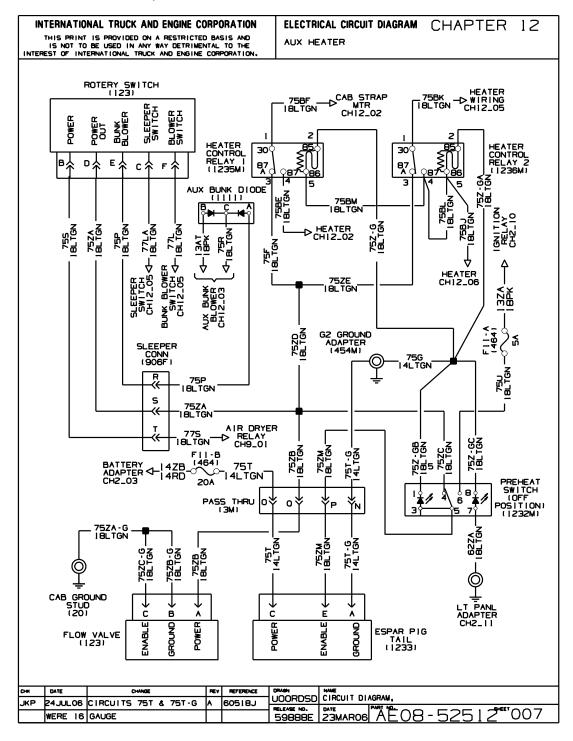


Figure 144 Aux Heater

12.8. APU SYSTEM: DISTRIBUTION BOX, P. 8

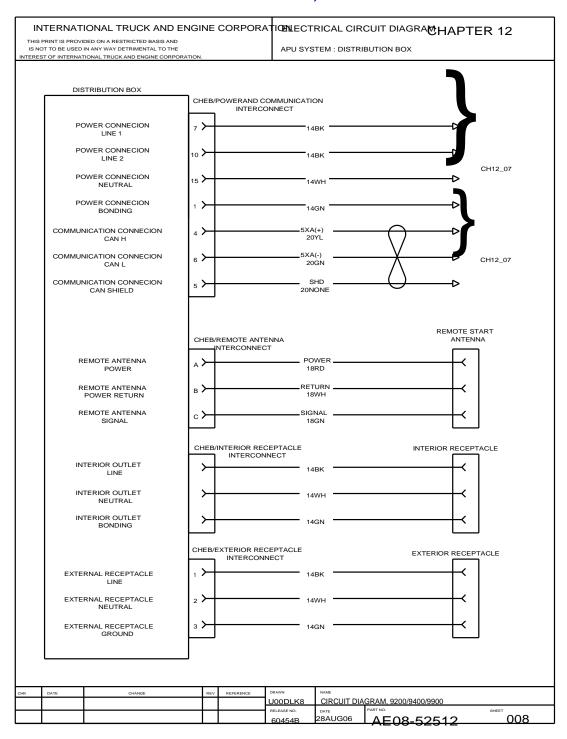


Figure 145 APU System: Distribution Box

12.9. APU SYSTEM: DISTRIBUTION BOX, P. 9

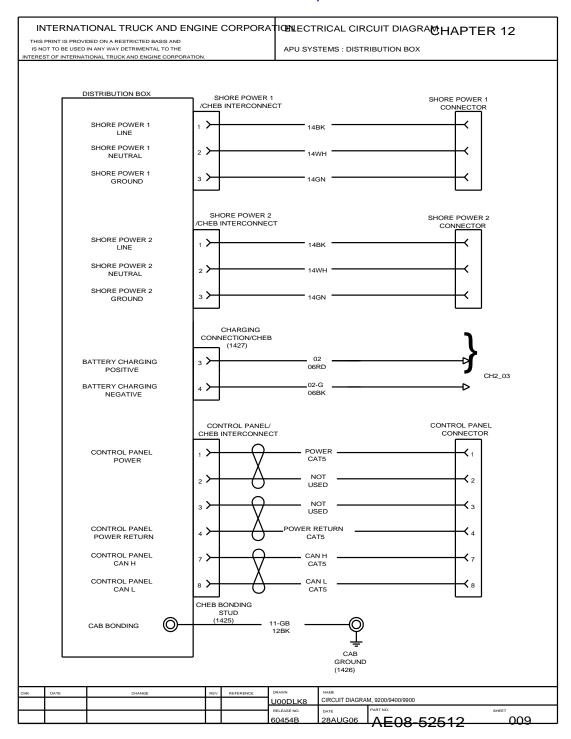


Figure 146 APU System: Distribution Box

12.10. APU SYSTEM, P. 10

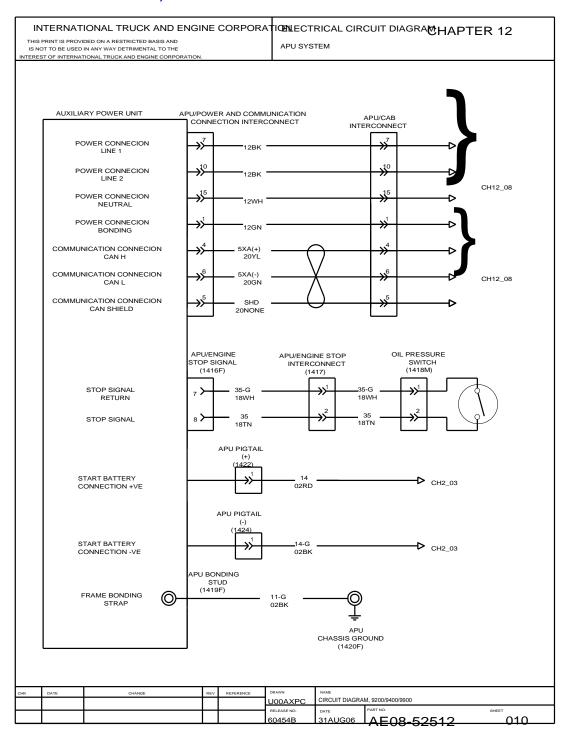


Figure 147 APU System

13. CONNECTOR COMPOSITES (CHAPTER 13)

13.1. LEFT GAUGE CLUSTER (CONNECTOR 423), P. 1

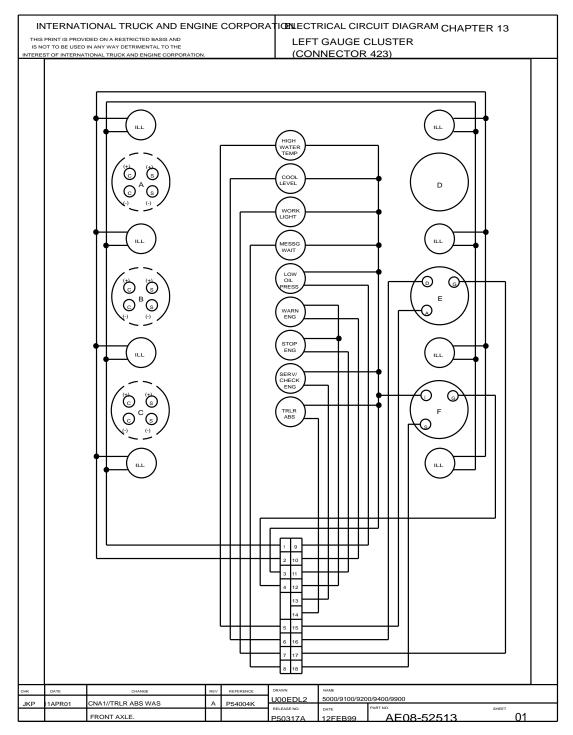


Figure 148 Left Gauge Cluster (Connector 423)

13.2. LEFT GAUGE CLUSTER (CONNECTOR 424), P. 2

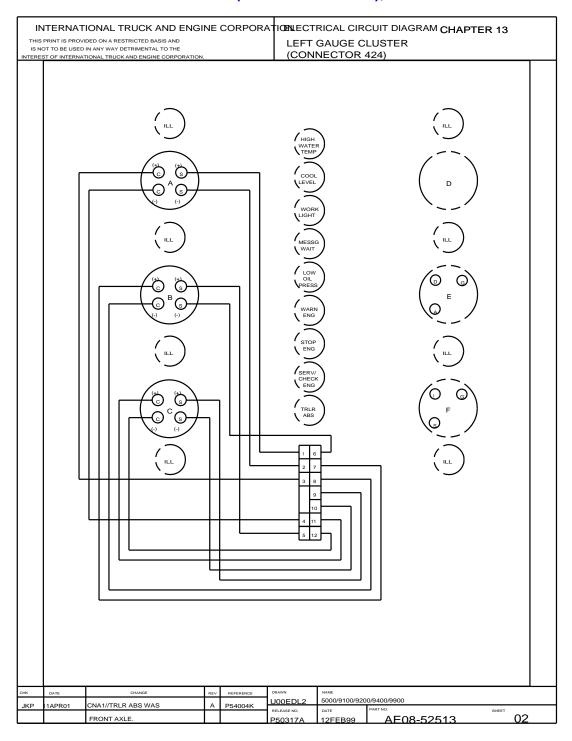


Figure 149 Left Gauge Cluster (Connector 424)

13.3. LEFT GAUGE CLUSTER — GAUGE INFORMATION, P. 3

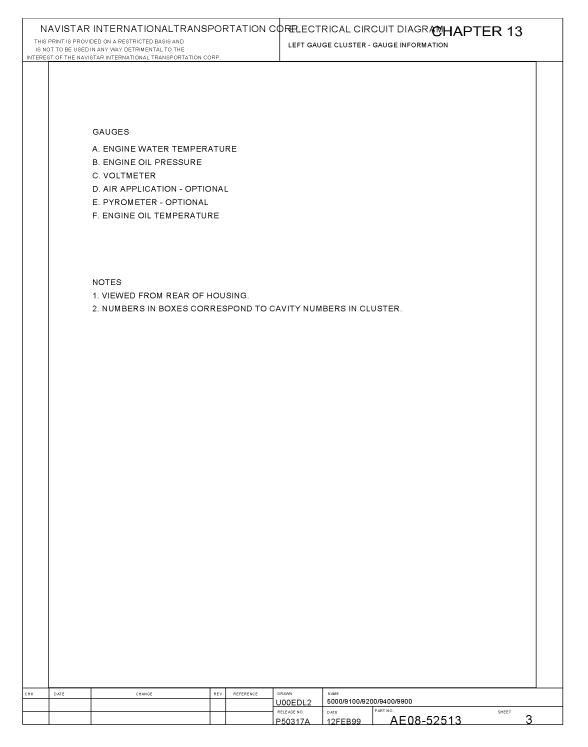


Figure 150 Left Gauge Cluster — Gauge Information

13.4. LEFT GAUGE CLUSTER — TERMINAL INFORMATION, P. 4

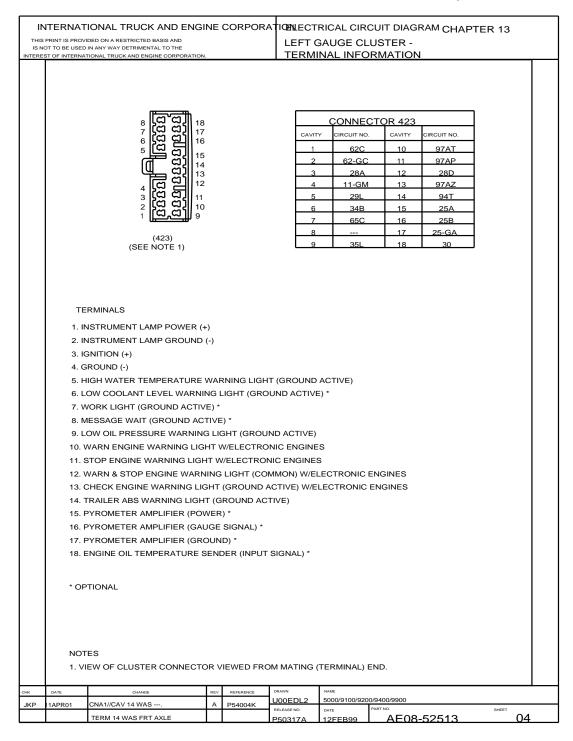


Figure 151 Left Gauge Cluster — Terminal Information

13.5. LEFT GAUGE CLUSTER — TERMINAL INFORMATION, P. 5

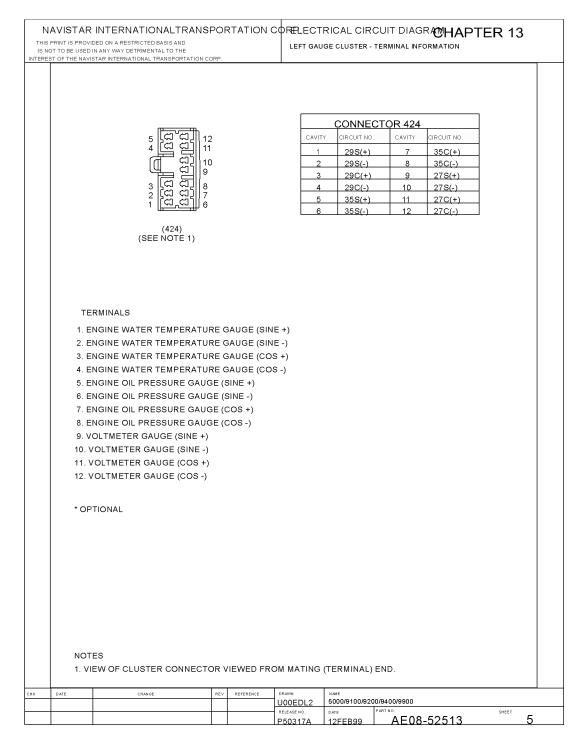


Figure 152 Left Gauge Cluster — Terminal Information

13.6. RIGHT GAUGE CLUSTER (CONNECTOR 420), P. 6

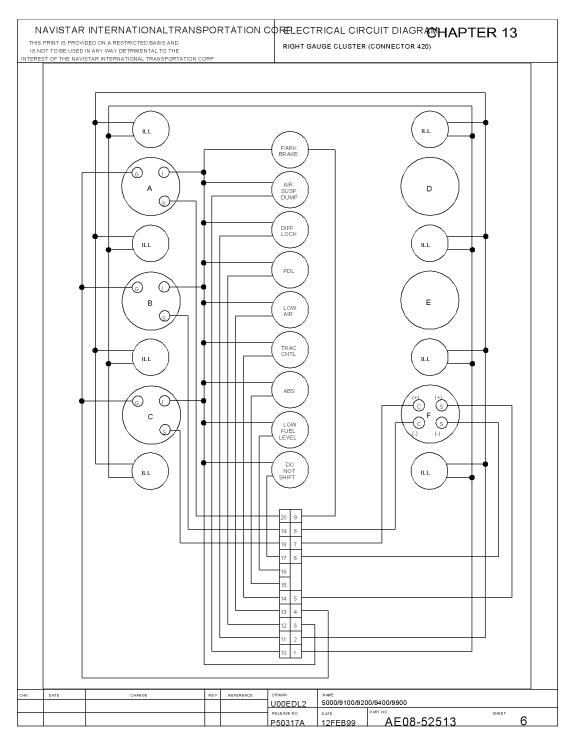


Figure 153 Right Gauge Cluster (Connector 420)

13.7. RIGHT GAUGE CLUSTER — GAUGE INFORMATION, P. 7



Figure 154 Right Gauge Cluster — Gauge Information

13.8. RIGHT GAUGE CLUSTER — TERMINAL INFORMATION, P. 8

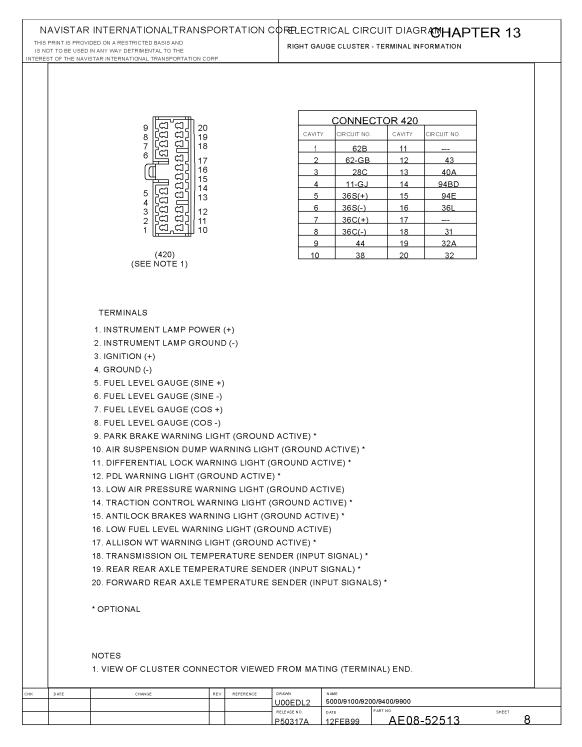


Figure 155 Right Gauge Cluster — Terminal Information

13.9. SPEEDOMETER/TACHOMETER MODULE — TERMINAL INFORMATION, P. 9

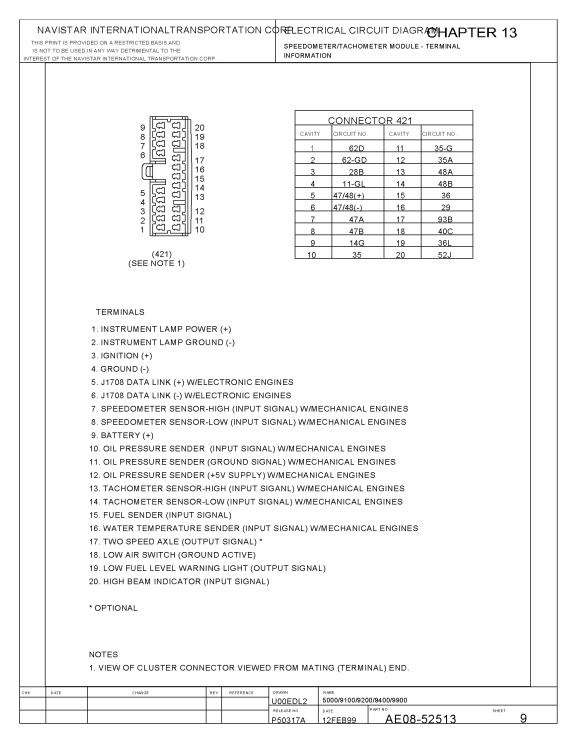


Figure 156 Speedometer/Tachometer Module — Terminal Information

13.10. SPEEDOMETER/TACHOMETER MODULE — TERMINAL INFORMATION, P. 10

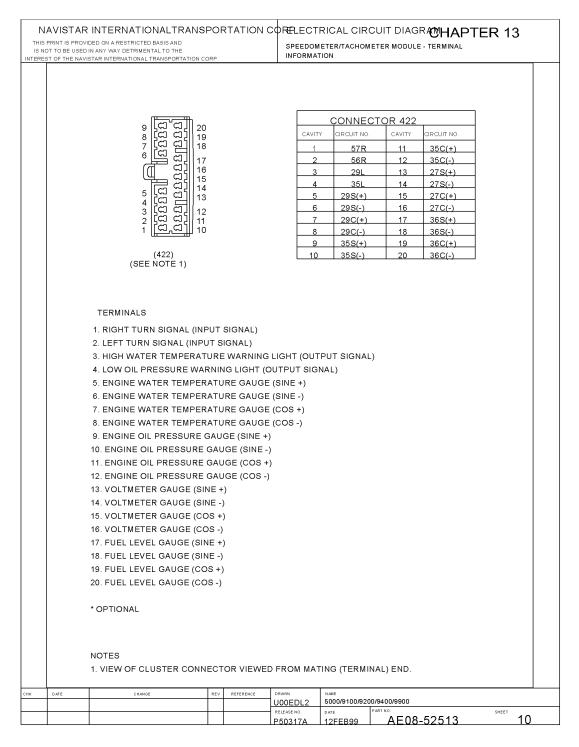


Figure 157 Speedometer/Tachometer Module — Terminal Information

13.11. CONNECTOR COMPOSITES (1), (2), (3), P. 11

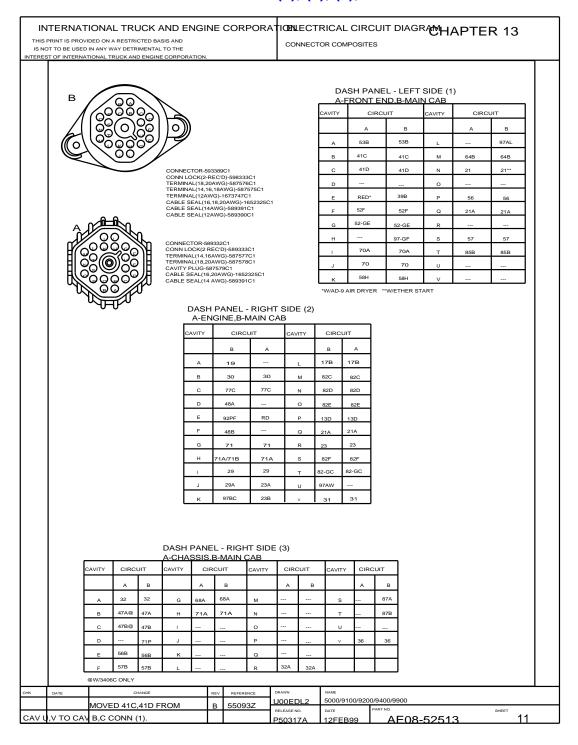


Figure 158 Connector Composites (1), (2), (3)

13.12. CONNECTOR COMPOSITES (4), (9), (11), (15), (20), (27), P. 12

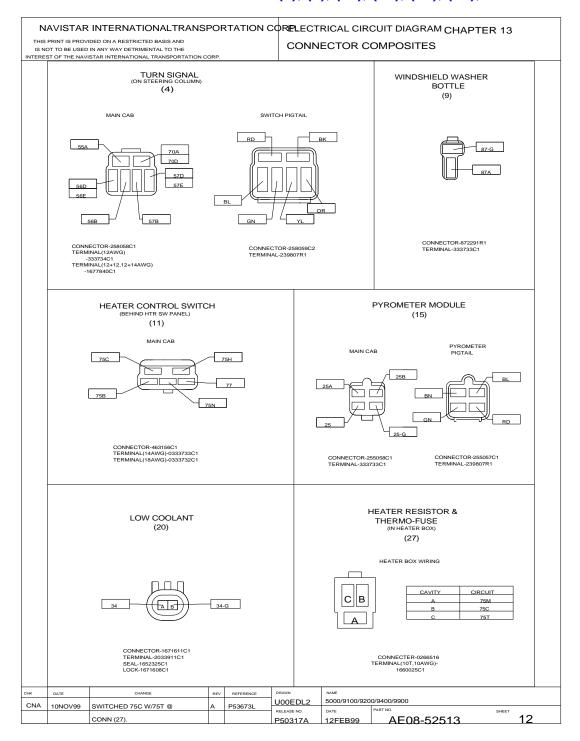


Figure 159 Connector Composites (4), (9), (11), (15), (20), (27)

13.13. CONNECTOR COMPOSITES (40), (41), (42), (43), (48), (65), P. 13

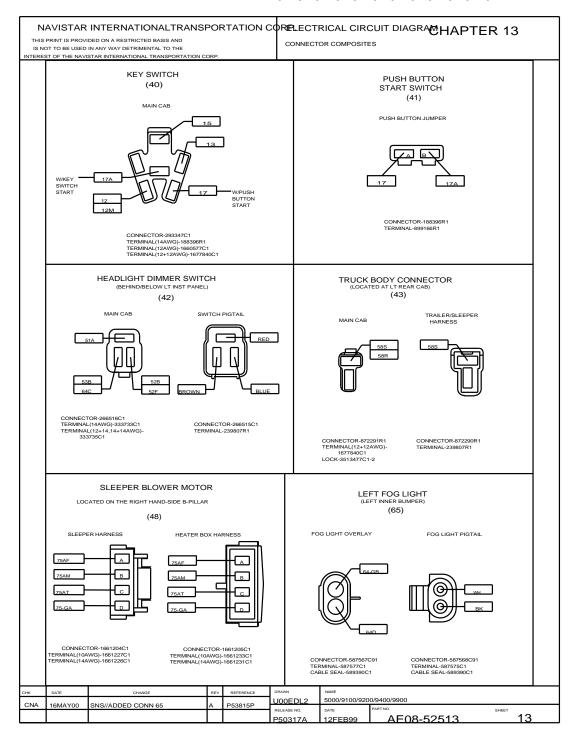


Figure 160 Connector Composites (40), (41), (42), (43), (48), (65)

13.14. CONNECTOR COMPOSITES (66), (71), (72), (76), (77), (94), P. 14

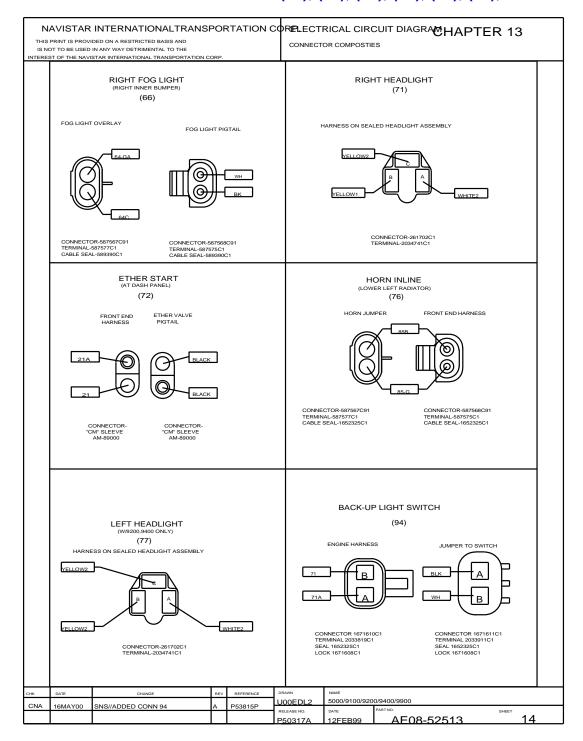


Figure 161 Connector Composites (66), (71), (72), (76), (77), (94)

13.15. CONNECTOR COMPOSITES (100), (100A), (105), (111), (112), (113), (115), P. 15

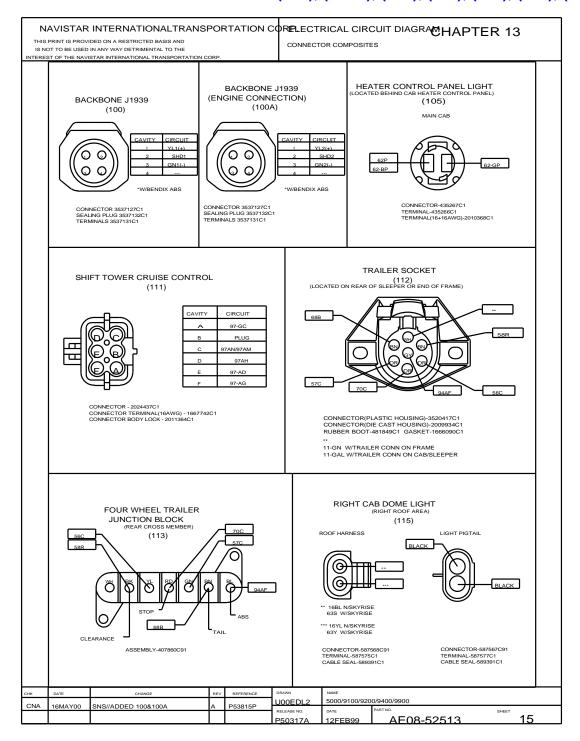


Figure 162 Connector Composites (100), (100A), (105), (111), (112), (113), (115)

13.16. CONNECTOR COMPOSITES (116), (117), (118), (127A), (128), P. 16

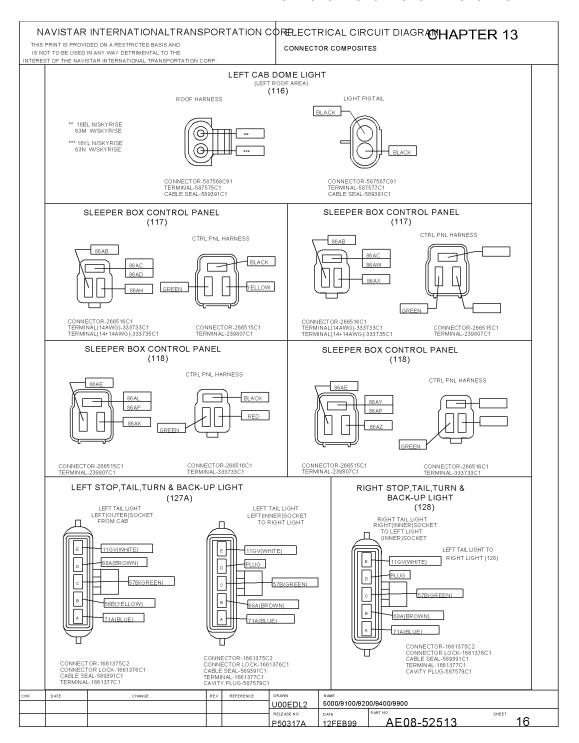


Figure 163 Connector Composites (116), (117), (118), (127A), (128)

13.17. CONNECTOR COMPOSITES (137), (141), (142), (143), (144), (145), (146), (147), (148), P. 17

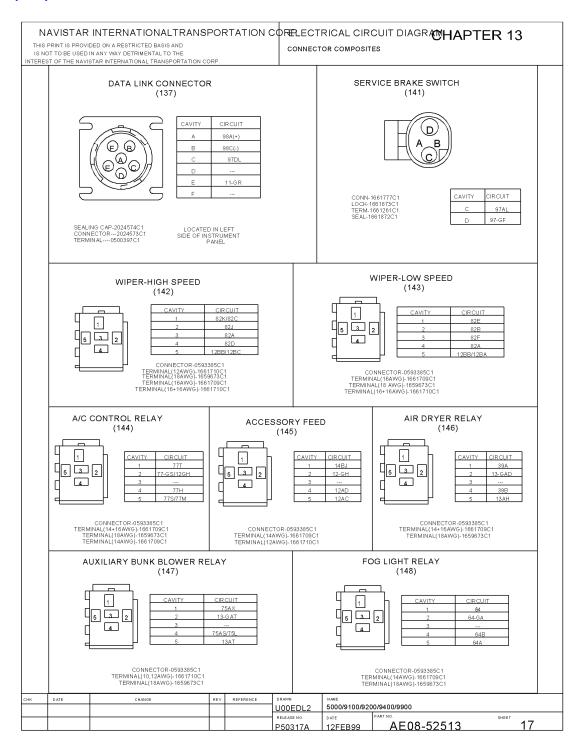


Figure 164 Connector Composites (137), (141), (142), (143), (144), (145), (146), (147), (148)

13.18. CONNECTOR COMPOSITES (149), (150), (151), (152), (161), (162), P. 18

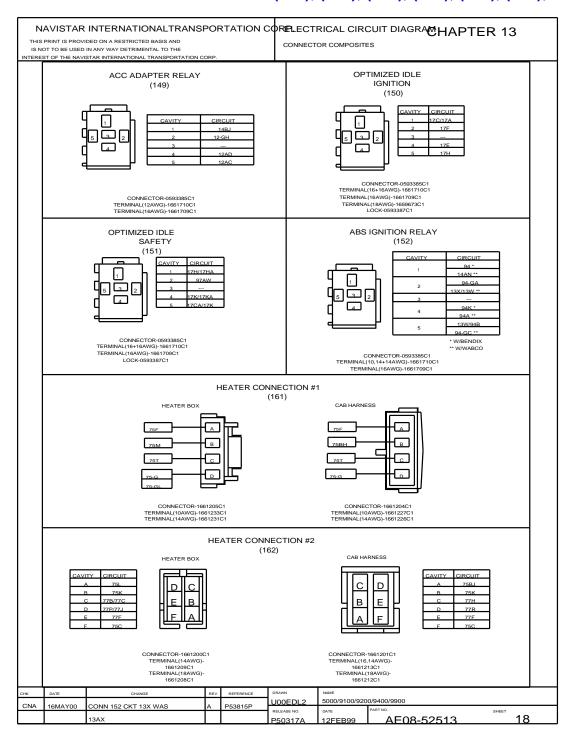


Figure 165 Connector Composites (149), (150), (151), (152), (161), (162)

13.19. CONNECTOR COMPOSITES (165), (166), (167), (170), (171), (180), P. 19

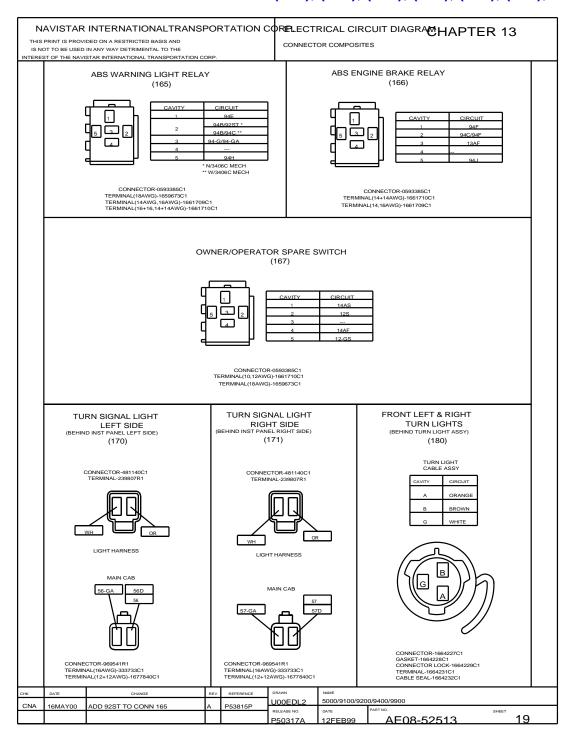


Figure 166 Connector Composites (165), (166), (167), (170), (171), (180)

13.20. CONNECTOR COMPOSITE (190), P. 20

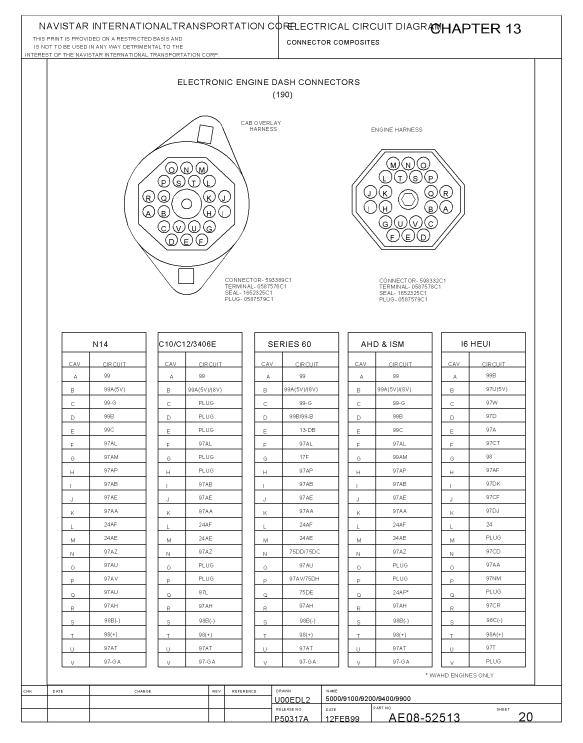


Figure 167 Connector Composite (190)

13.21. CONNECTOR COMPOSITES (196), (199), (200), (201), (209), (211), (214), (216), P. 21

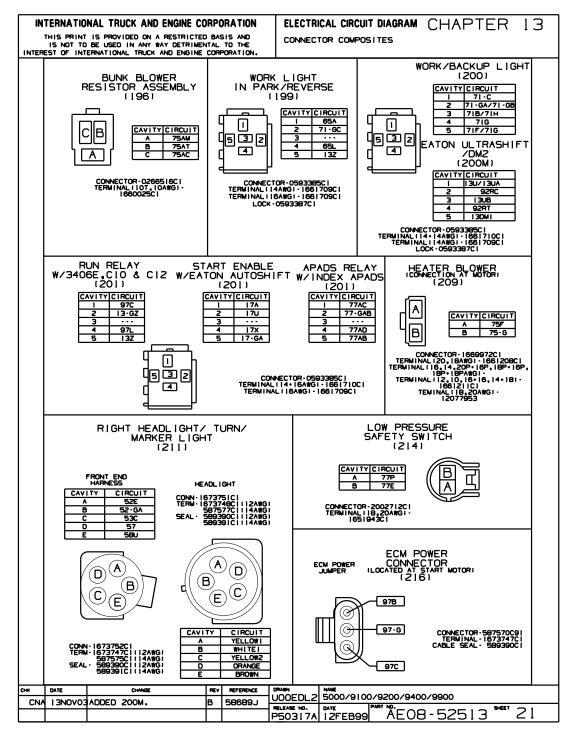


Figure 168 Connector Composites (196), (199), (200), (201), (209), (211), (214), (216)

13.22. CONNECTOR COMPOSITES (217), (218), (220), (221), P. 22

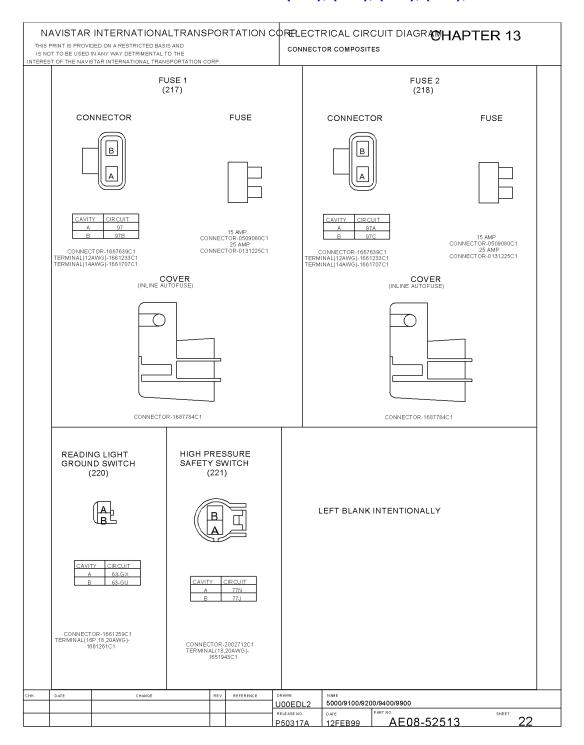


Figure 169 Connector Composites (217), (218), (220), (221)

13.23. CONNECTOR COMPOSITES (227), (228), (229), P. 23

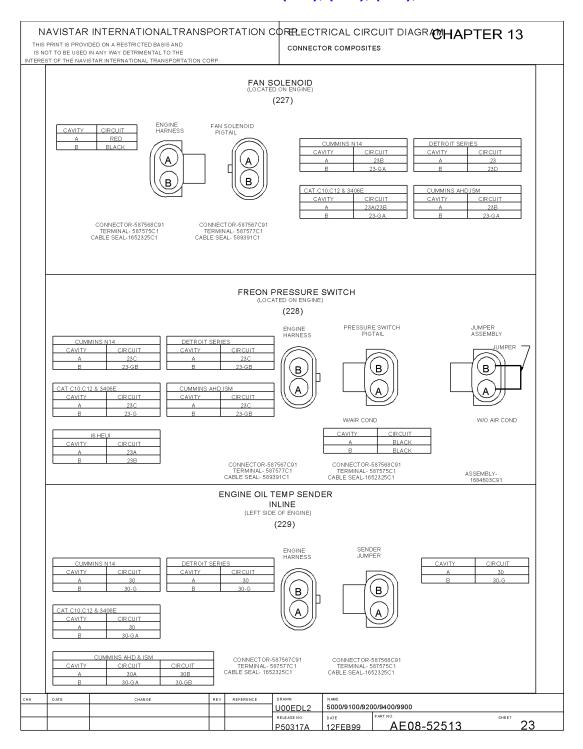


Figure 170 Connector Composites (227), (228), (229)

13.24. CONNECTOR COMPOSITES (230), (231), (236), (241), P. 24

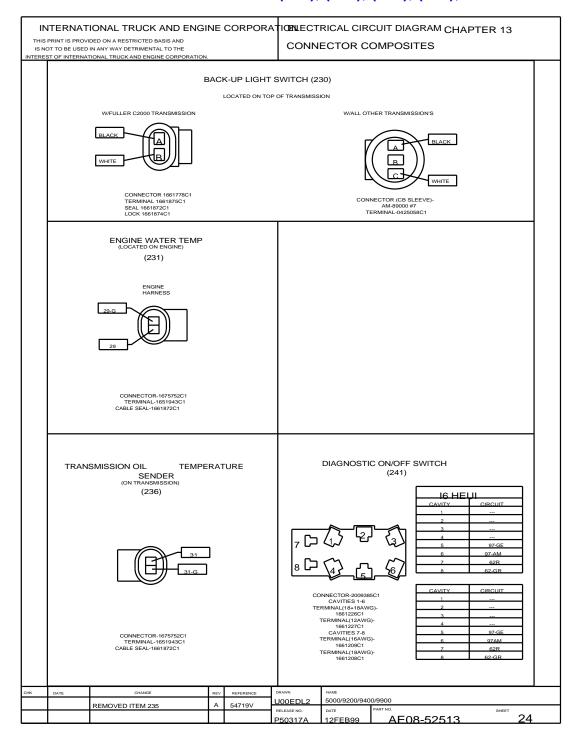


Figure 171 Connector Composites (230), (231), (236), (241)

13.25. CONNECTOR COMPOSITES (243), (244), (249), (250), (251), P. 25

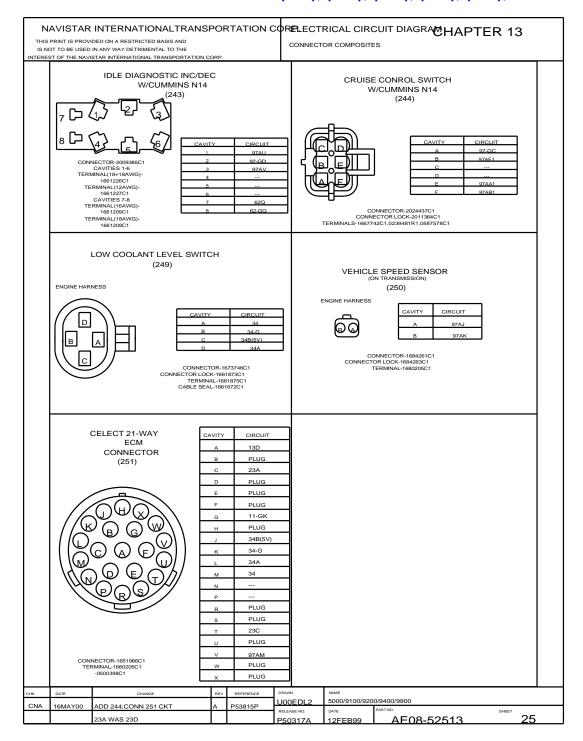


Figure 172 Connector Composites (243), (244), (249), (250), (251)

13.26. CONNECTOR COMPOSITES (252), (260), (267), P. 26

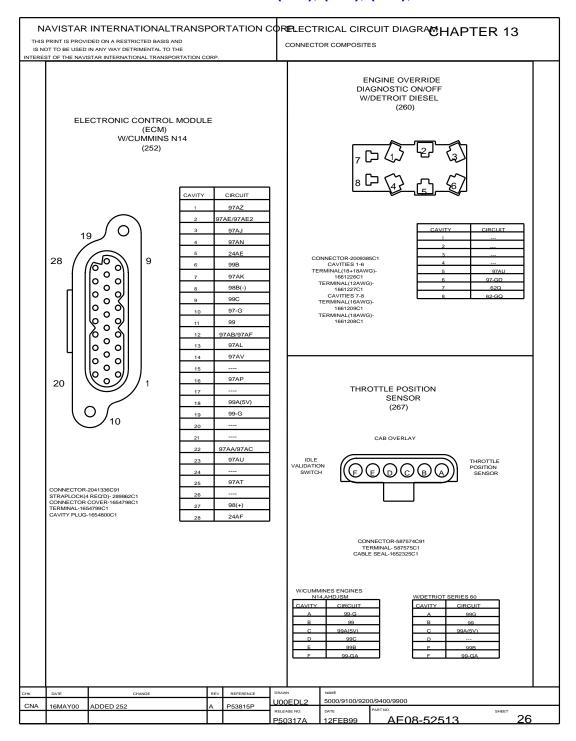


Figure 173 Connector Composites (252), (260), (267)

13.27. CONNECTOR COMPOSITES (268), (273), (275), (278), (282), (289), P. 27

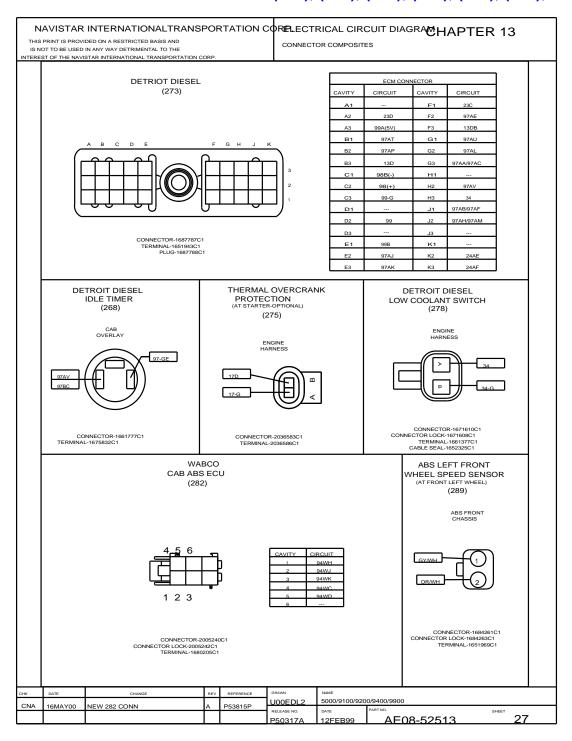


Figure 174 Connector Composites (268), (273), (275), (278), (282), (289)

13.28. CONNECTOR COMPOSITES (290), (291), (292), (293), (294), (296), P. 28

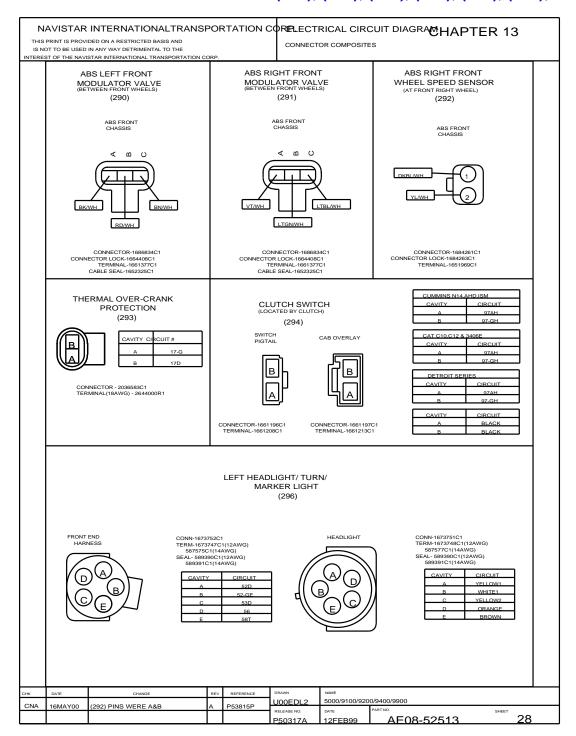


Figure 175 Connector Composites (290), (291), (292), (293), (294), (296)

13.29. CONNECTOR COMPOSITES (298), (299), (311), (312), (313), (315, 316), P. 29

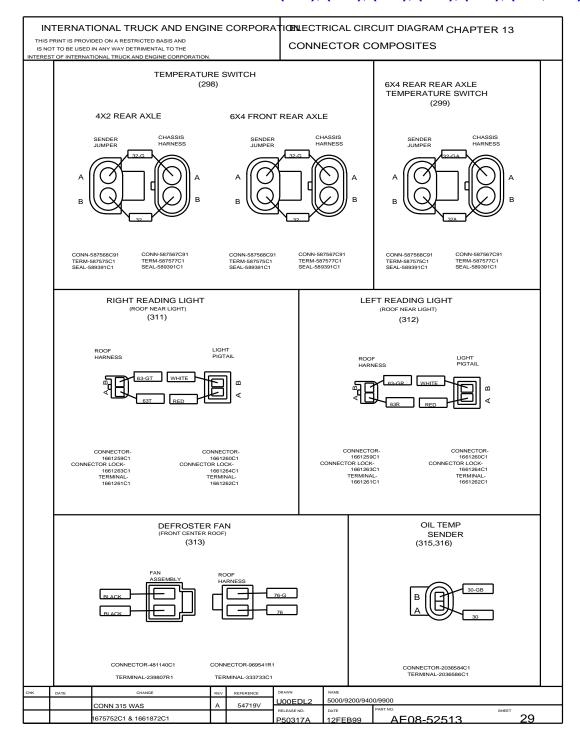


Figure 176 Connector Composites (298), (299), (311), (312), (313), (315, 316)

13.30. CONNECTOR COMPOSITES (316), (318), (320), (321), (322), (323), P. 30

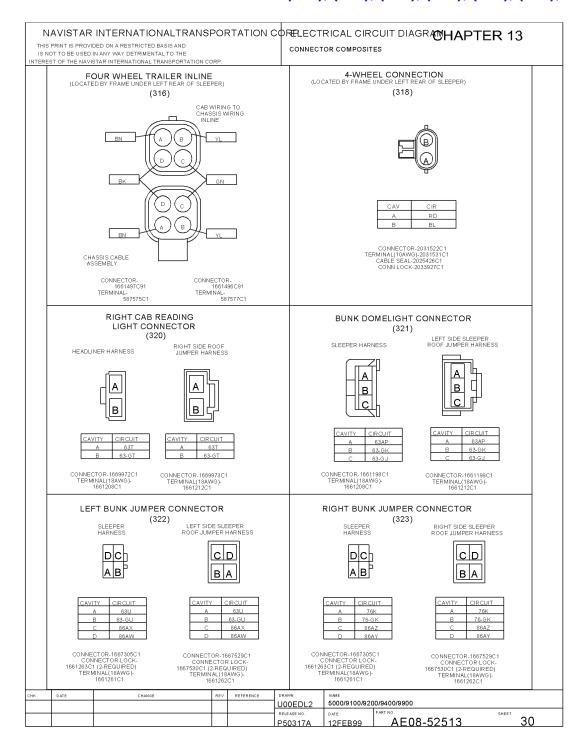


Figure 177 Connector Composites (316), (318), (320), (321), (322), (323)

13.31. CONNECTOR COMPOSITES (325), (345), (350), (351), (352), (353), (354), P. 31

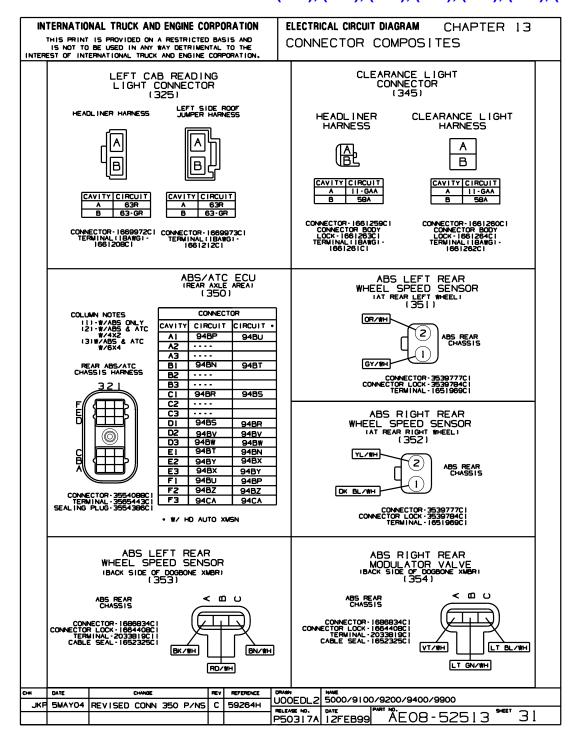


Figure 178 Connector Composites (325), (345), (350), (351), (352), (353), (354)

13.32. CONNECTOR COMPOSITES (355), (360), (363), (379), (393), (396), P. 32

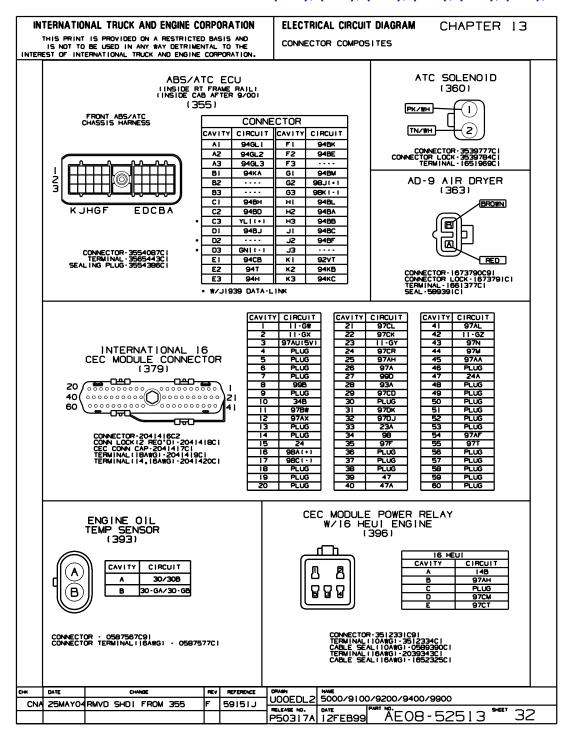


Figure 179 Connector Composites (355), (360), (363), (379), (393), (396)

13.33. CONNECTOR COMPOSITES (400), (402), (403), (404), (406), (409), P. 33

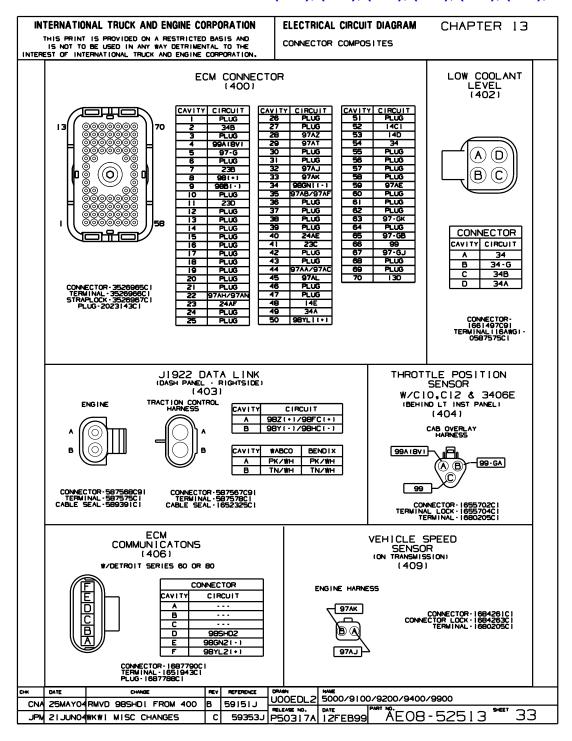


Figure 180 Connector Composites (400), (402), (403), (404), (406), (409)

13.34. CONNECTOR COMPOSITES (417), (420), (421), P. 34

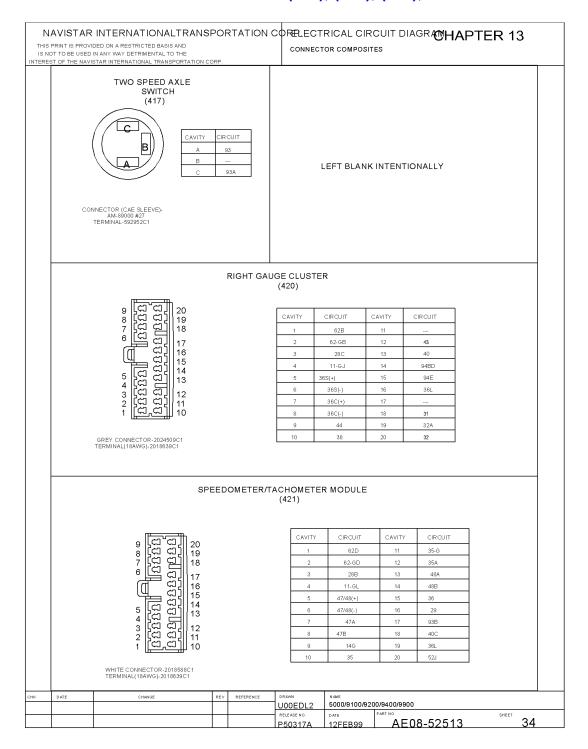


Figure 181 Connector Composites (417), (420), (421)

13.35. CONNECTOR COMPOSITES (422), (423), (424), (425), (426), P. 35

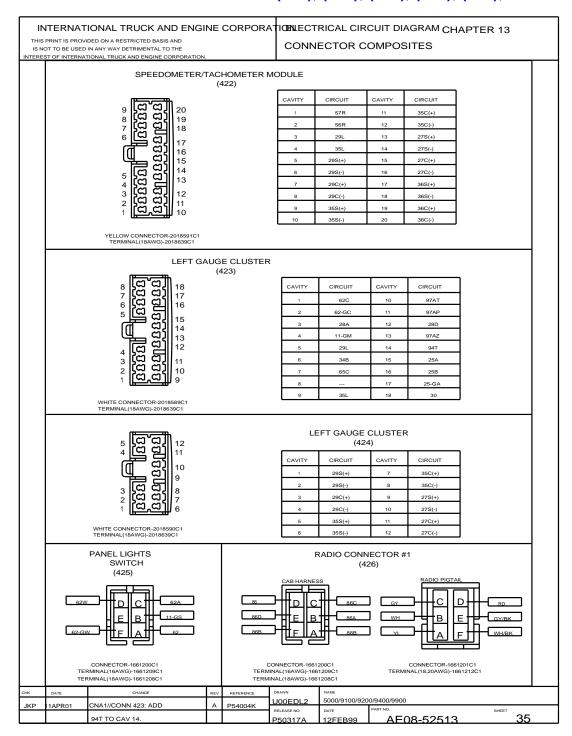


Figure 182 Connector Composites (422), (423), (424), (425), (426)

13.36. CONNECTOR COMPOSITES (427), (428), (429), (430), P. 36

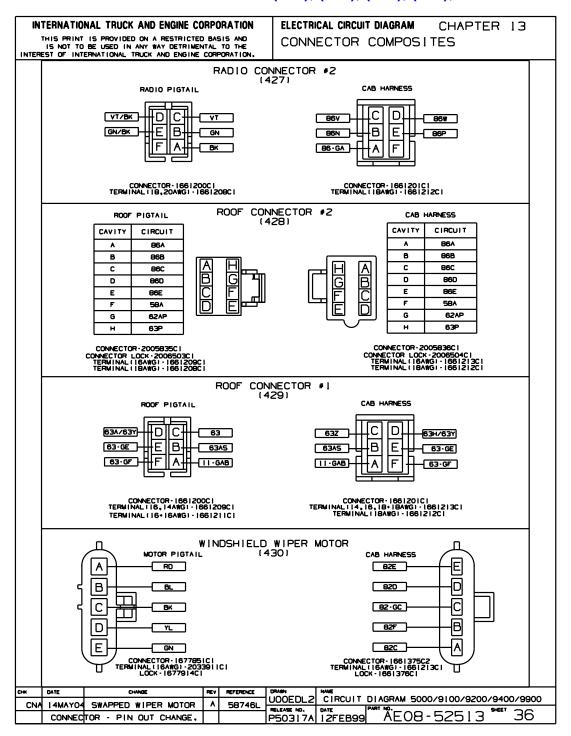


Figure 183 Connector Composites (427), (428), (429), (430)

13.37. CONNECTOR COMPOSITES (433), (434), (435), P. 37

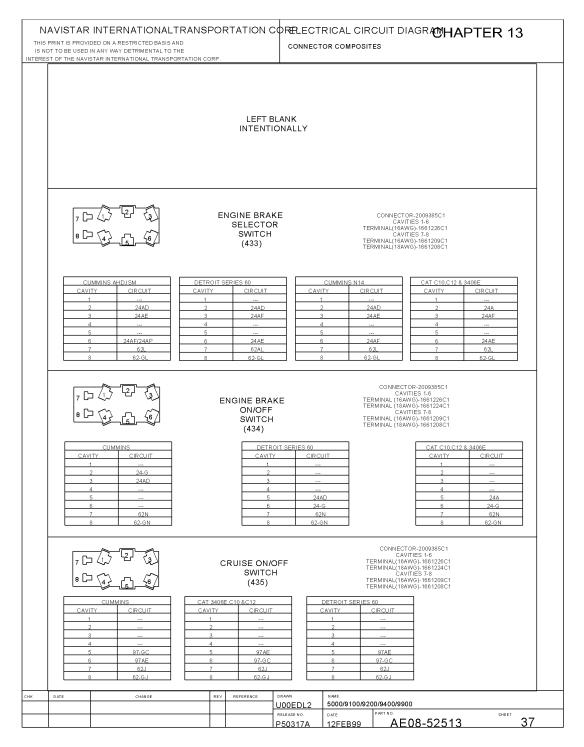


Figure 184 Connector Composites (433), (434), (435)

13.38. CONNECTOR COMPOSITES (436), (437), (440), (441), (442), P. 38

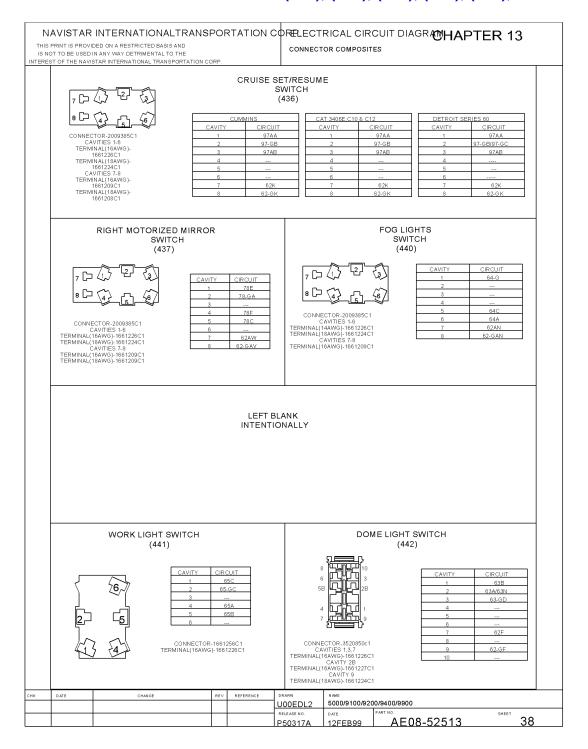


Figure 185 Connector Composites (436), (437), (440), (441), (442)

13.39. CONNECTOR COMPOSITES (453), (454), P. 39

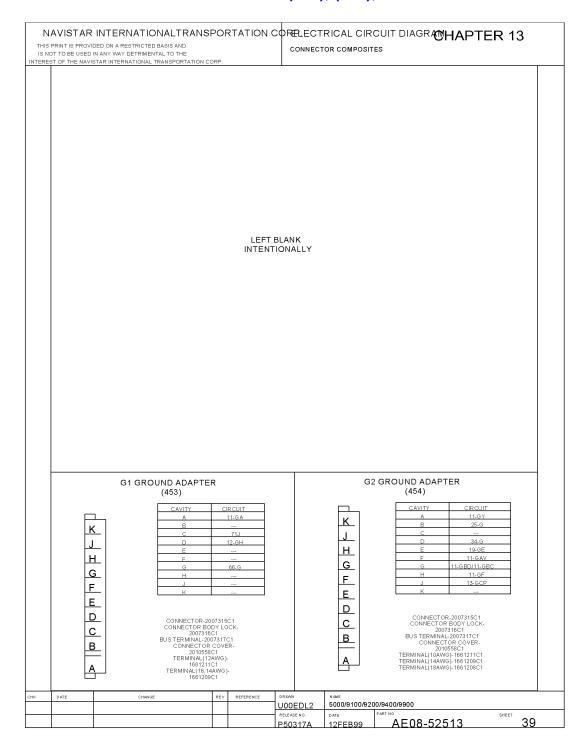


Figure 186 Connector Composites (453), (454)

13.40. CONNECTOR COMPOSITES (455), (456), (460), (462), P. 40

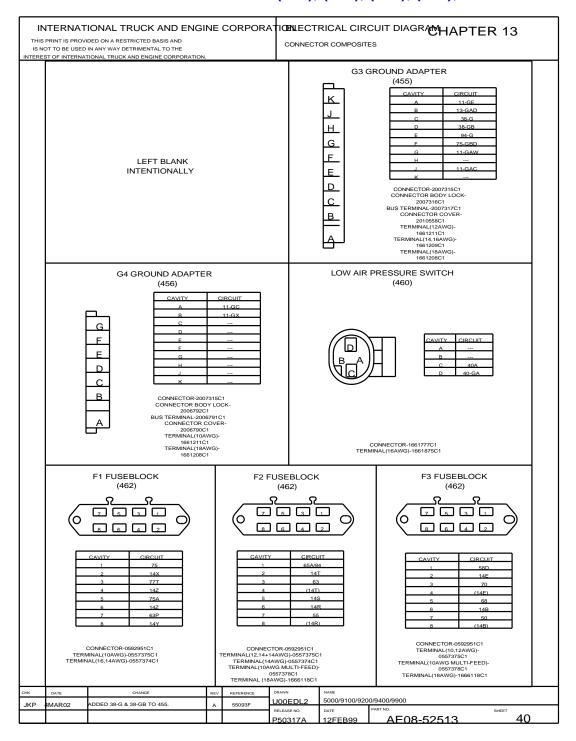


Figure 187 Connector Composites (455), (456), (460), (462)

13.41. CONNECTOR COMPOSITES (462), (463), P. 41

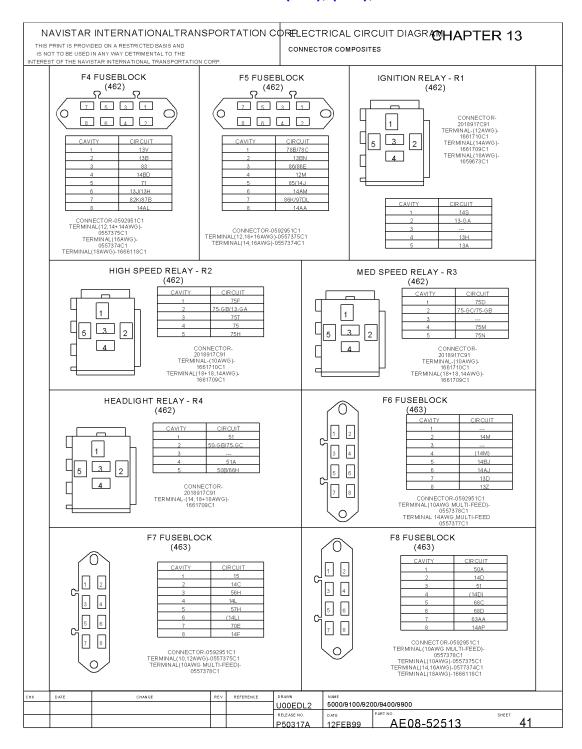


Figure 188 Connector Composites (462), (463)

13.42. CONNECTOR COMPOSITES (463), P. 42

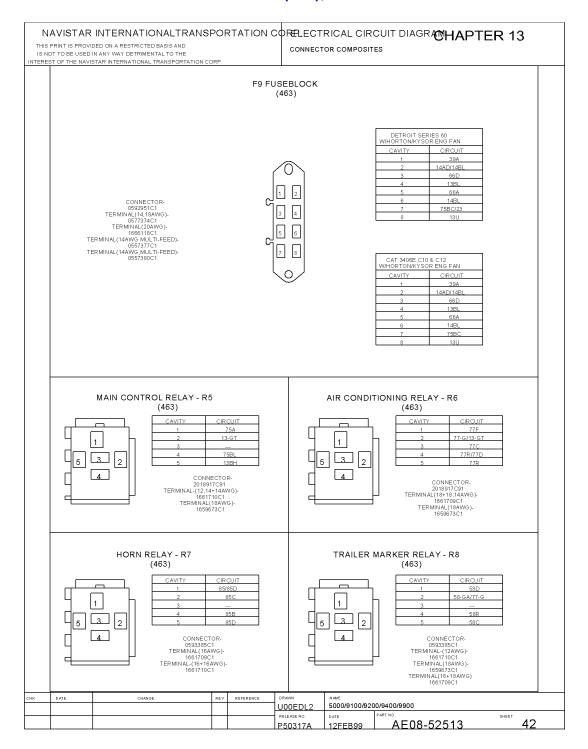


Figure 189 Connector Composites (463)

13.43. CONNECTOR COMPOSITES (464), P. 43

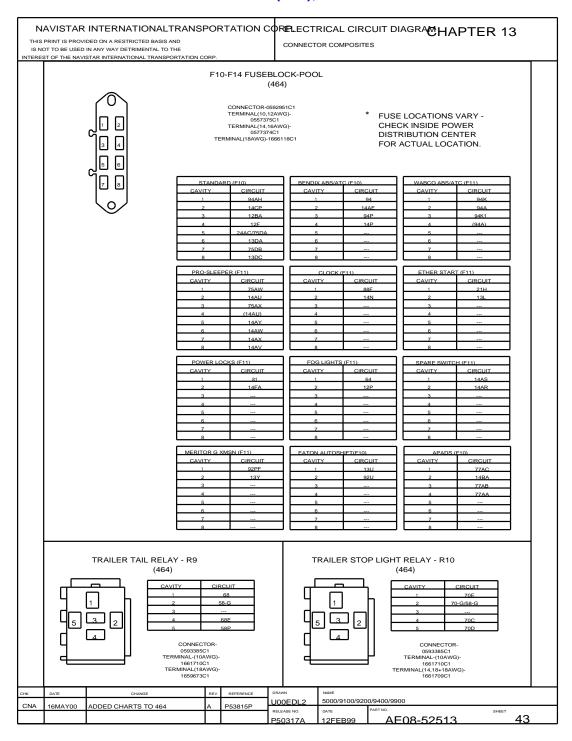


Figure 190 Connector Composites (464)

13.44. CONNECTOR COMPOSITES (464), (465), (466), (468), (470), (1000), P. 44

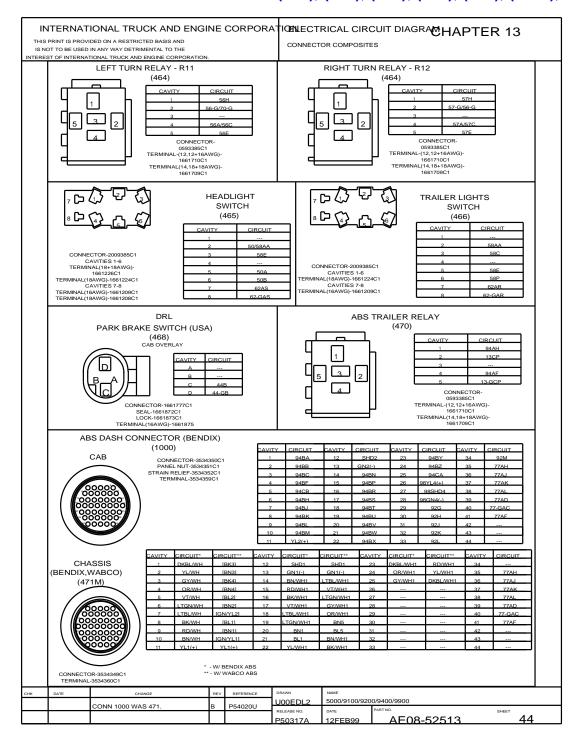


Figure 191 Connector Composites (464), (465), (466), (468), (470), (1000)

13.45. CONNECTOR COMPOSITES (474), (480), (481), (482), (483), (489), P. 45

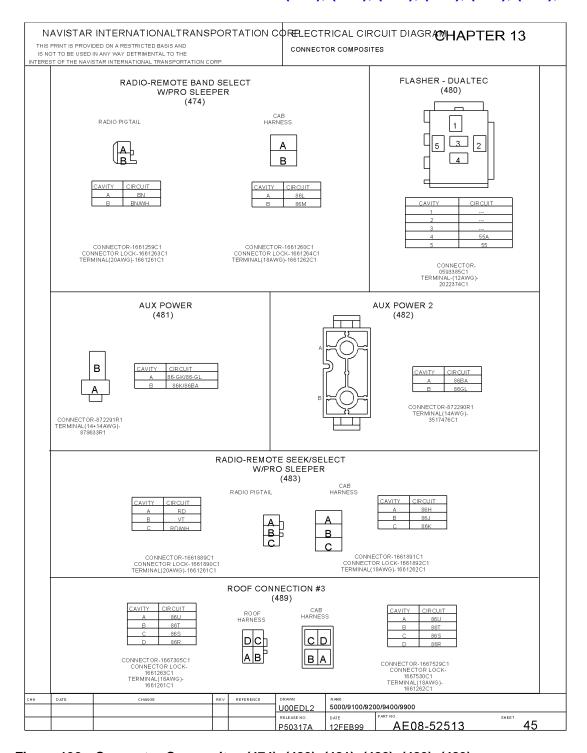


Figure 192 Connector Composites (474), (480), (481), (482), (483), (489)

13.46. CONNECTOR COMPOSITES (491), (492), (494), (495), (497), (498), (499), (501), P. 46

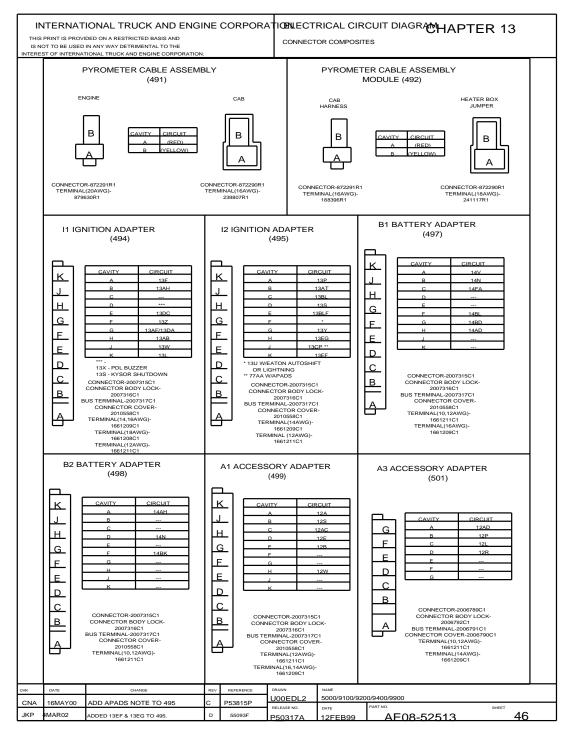


Figure 193 Connector Composites (491), (492), (494), (495), (497), (498), (499), (501)

13.47. CONNECTOR COMPOSITES (502), (503), (504), (506), P. 47

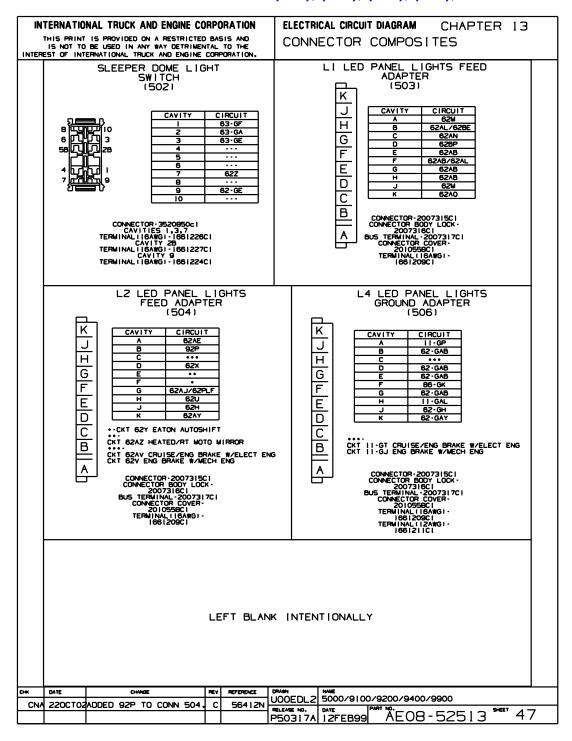


Figure 194 Connector Composites (502), (503), (504), (506)

13.48. CONNECTOR COMPOSITES (509), (511), (512), (513), (514), (515), P. 48

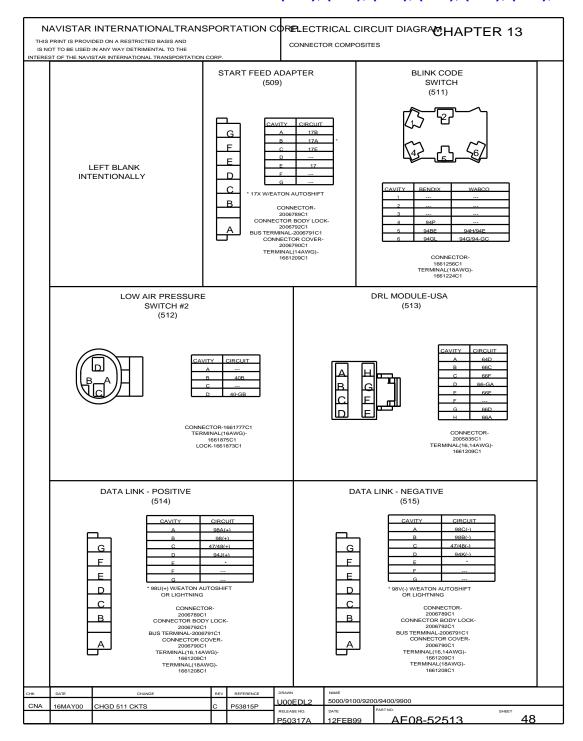


Figure 195 Connector Composites (509), (511), (512), (513), (514), (515)

13.49. CONNECTOR COMPOSITES (517), (520), (521), (522), (523), (524), (525), (526), P. 49

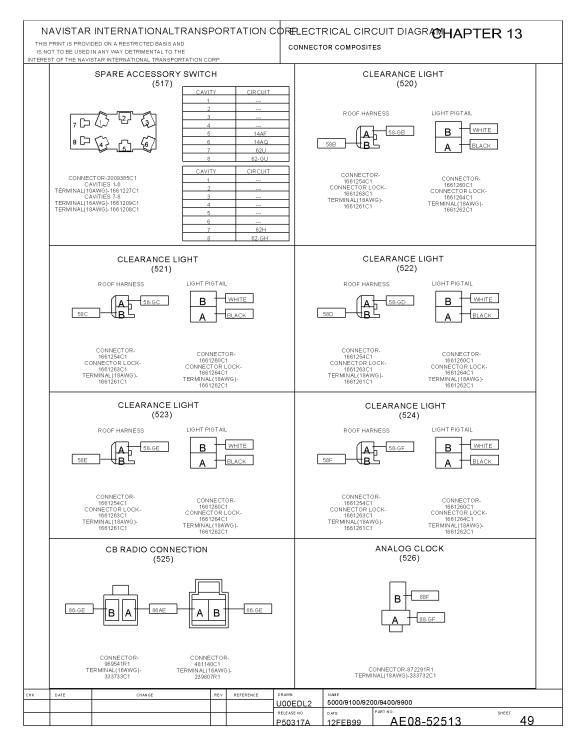


Figure 196 Connector Composites (517), (520), (521), (522), (523), (524), (525), (526)

13.50. CONNECTOR COMPOSITES (528), (529), (530), (531), (550), (560), (562), (574), P. 50

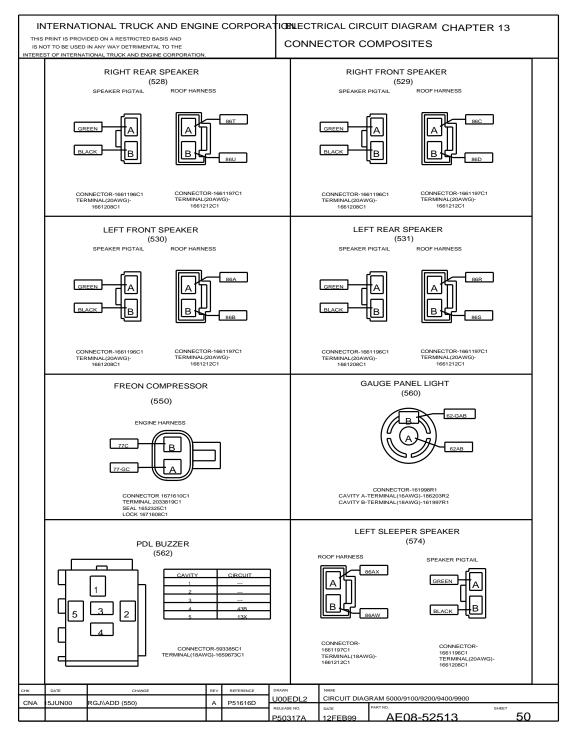


Figure 197 Connector Composites (528), (529), (530), (531), (550), (560), (562), (574)

13.51. CONNECTOR COMPOSITES (575), (576), (577), (578), (579), (582), P. 51

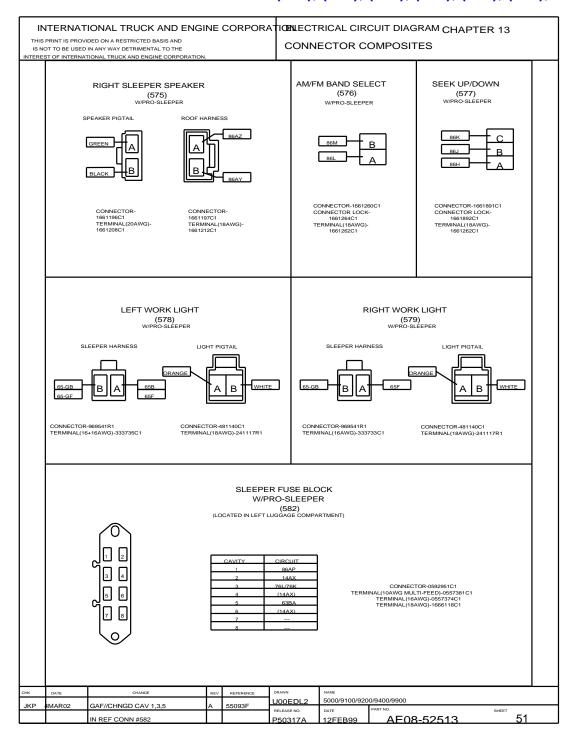


Figure 198 Connector Composites (575), (576), (577), (578), (579), (582)

13.52. CONNECTOR COMPOSITES (584), (585), (587), P. 52

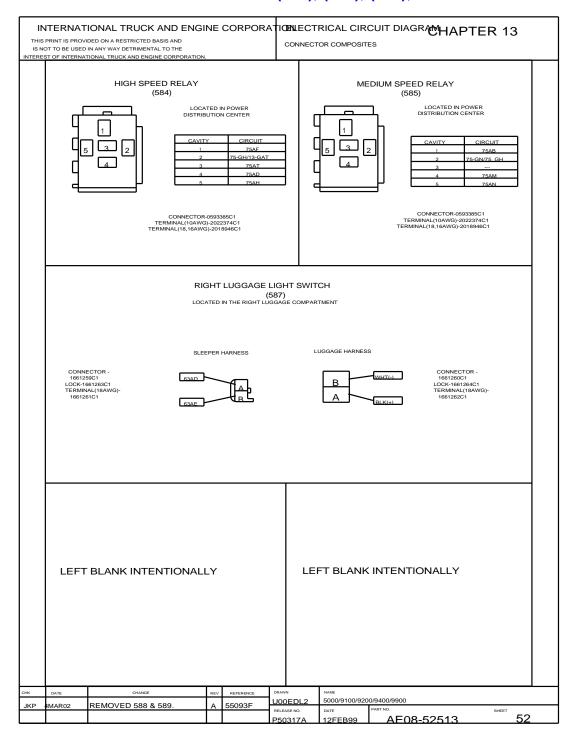


Figure 199 Connector Composites (584), (585), (587)

13.53. CONNECTOR COMPOSITES (592), (592F), (593), (594), (600), P. 53

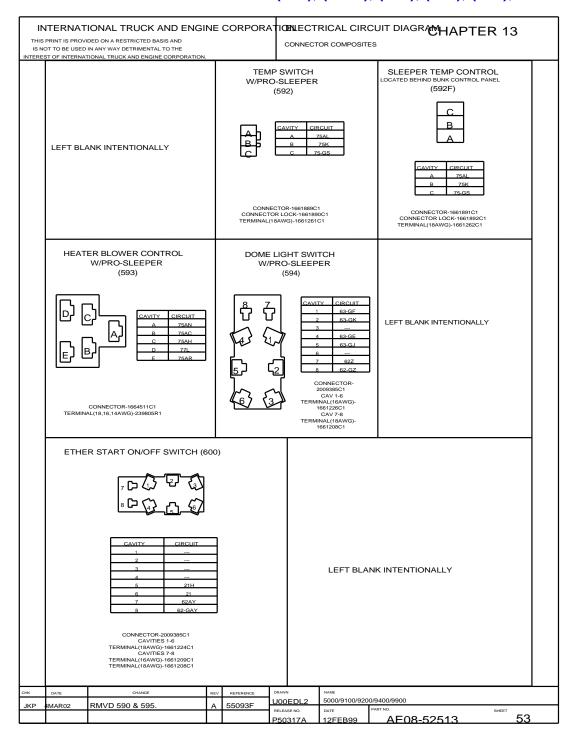


Figure 200 Connector Composites (592), (592F), (593), (594), (600)

13.54. CONNECTOR COMPOSITES (603), (604), (605), (606), (607), (610), (611), P. 54

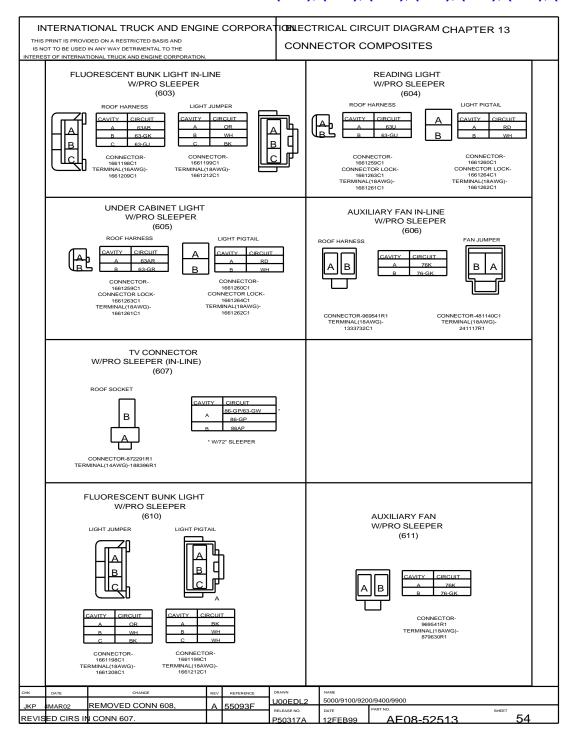


Figure 201 Connector Composites (603), (604), (605), (606), (607), (610), (611)

13.55. CONNECTOR COMPOSITES (612), (613), (640), (642), (643), (659), P. 55

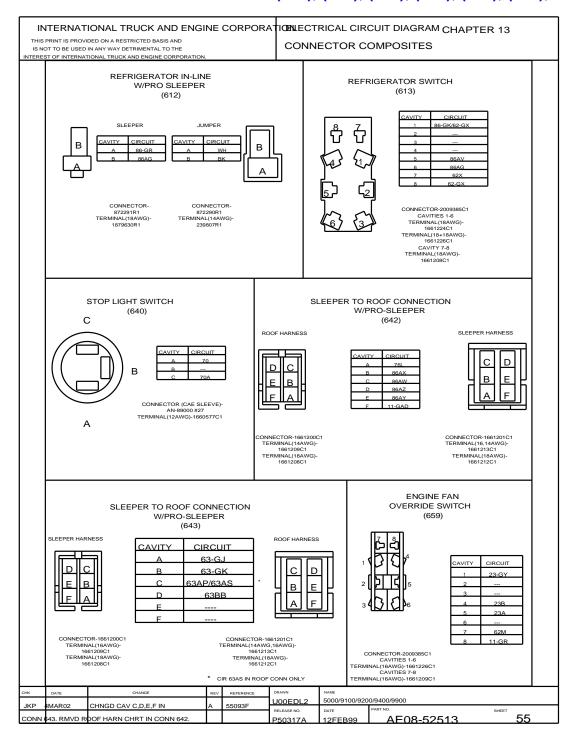


Figure 202 Connector Composites (612), (613), (640), (642), (643), (659)

13.56. CONNECTOR COMPOSITES (662), (675), (676), (690), P. 56

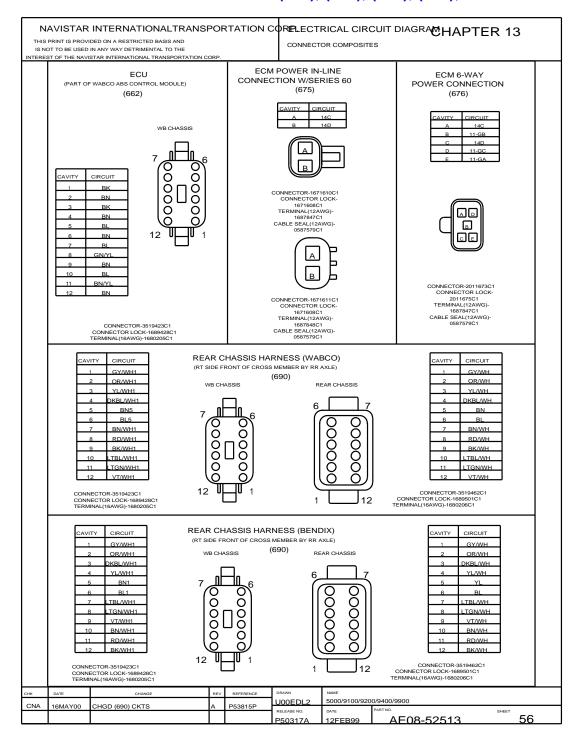


Figure 203 Connector Composites (662), (675), (676), (690)

13.57. CONNECTOR COMPOSITES (720), (753), (755), (766), (767), (768), P. 57

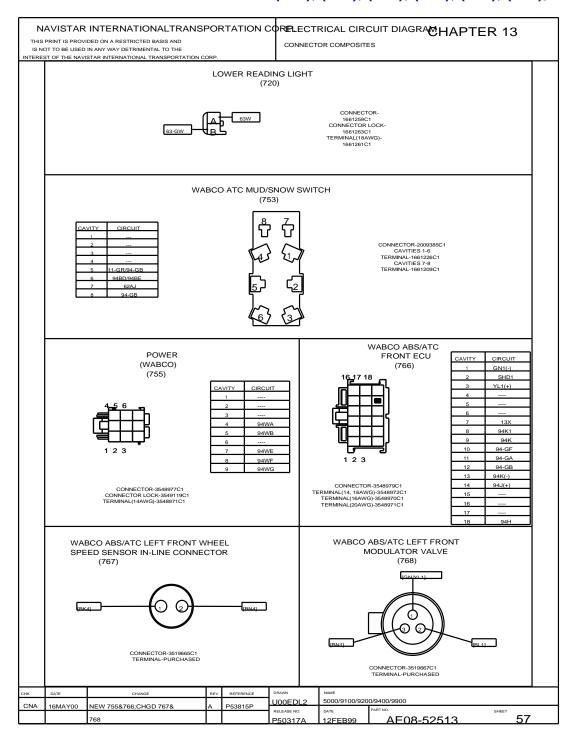


Figure 204 Connector Composites (720), (753), (755), (766), (767), (768)

13.58. CONNECTOR COMPOSITES (769), (770), (771), (774), (775), (776), (777), (778), (789), P. 58

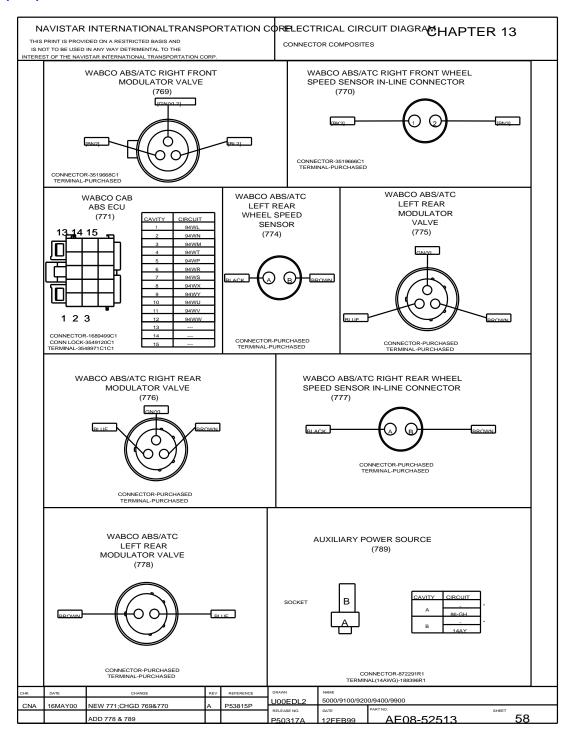


Figure 205 Connector Composites (769), (770), (771), (774), (775), (776), (777), (778), (789)

13.59. CONNECTOR COMPOSITES (791), (823), (851), (854), (884), (885), (887), P. 59

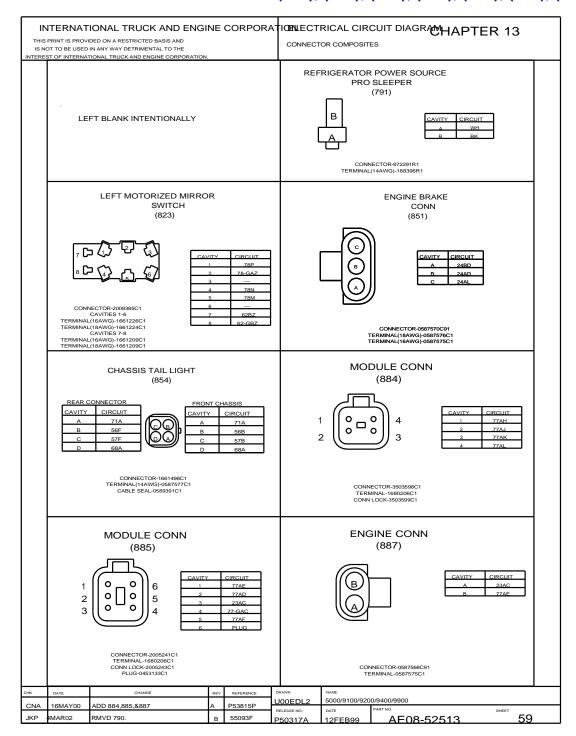


Figure 206 Connector Composites (791), (823), (851), (854), (884), (885), (887)

13.60. CONNECTOR COMPOSITES (904), (905), (906), P. 60

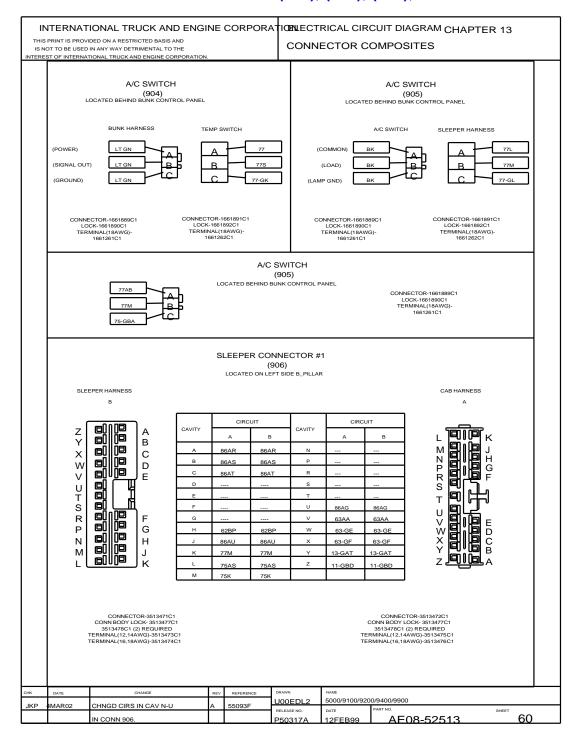


Figure 207 Connector Composites (904), (905), (906)

13.61. CONNECTOR COMPOSITES (907), (909), (912), (913), (914), (915), (916), (918), P. 61

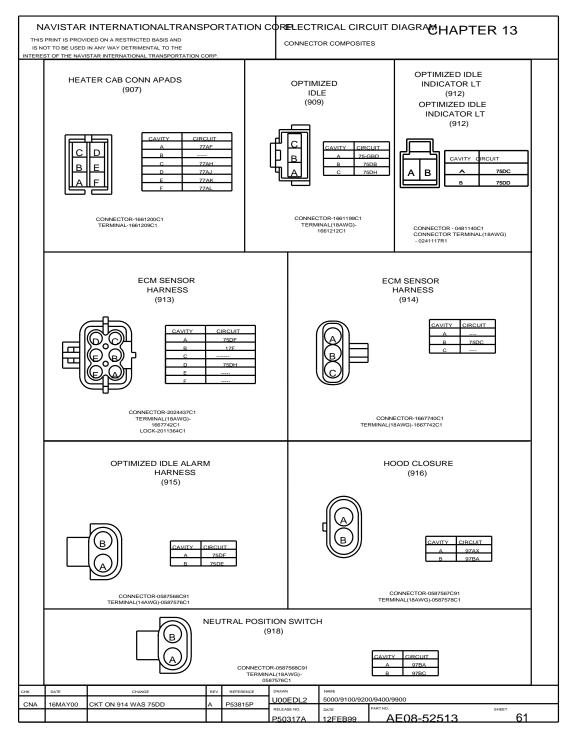


Figure 208 Connector Composites (907), (909), (912), (913), (914), (915), (916), (918)

13.62. CONNECTOR COMPOSITES (922), (923), (925), P. 62

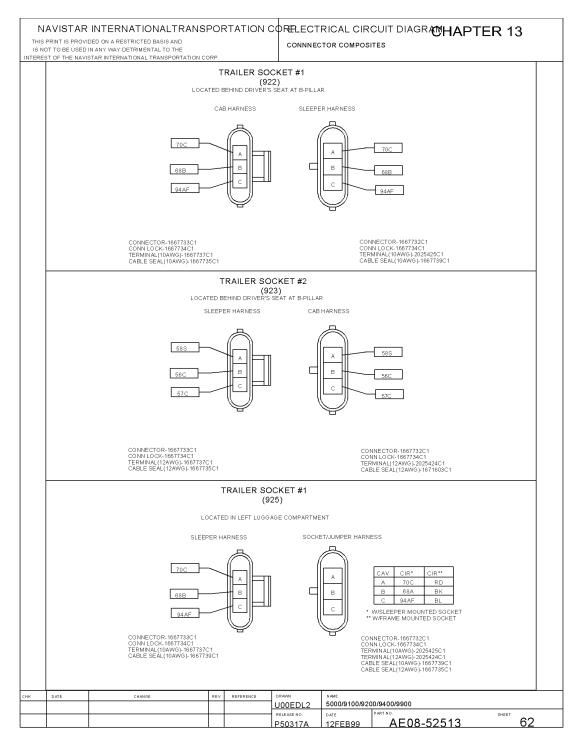


Figure 209 Connector Composites (922), (923), (925)

13.63. CONNECTOR COMPOSITES (926), (930), (935), (936), (937), P. 63

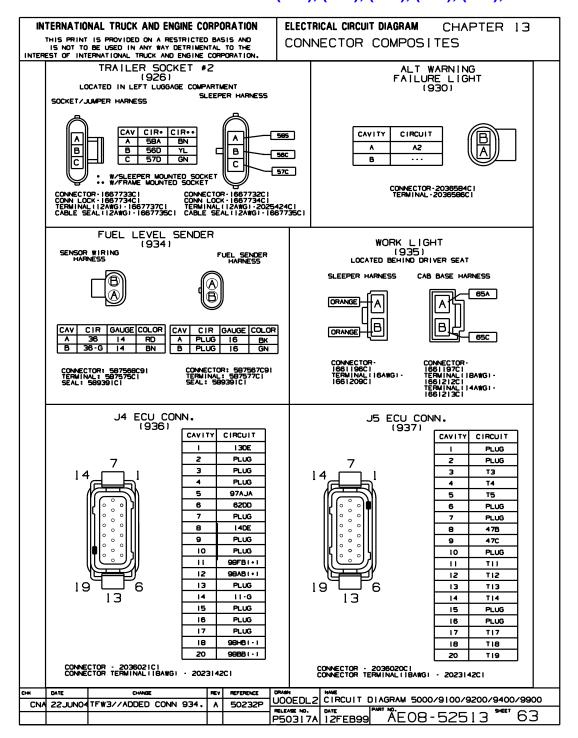


Figure 210 Connector Composites (926), (930), (935), (936), (937)

13.64. CONNECTOR COMPOSITES (938), (939), (940), (941), (942), P. 64

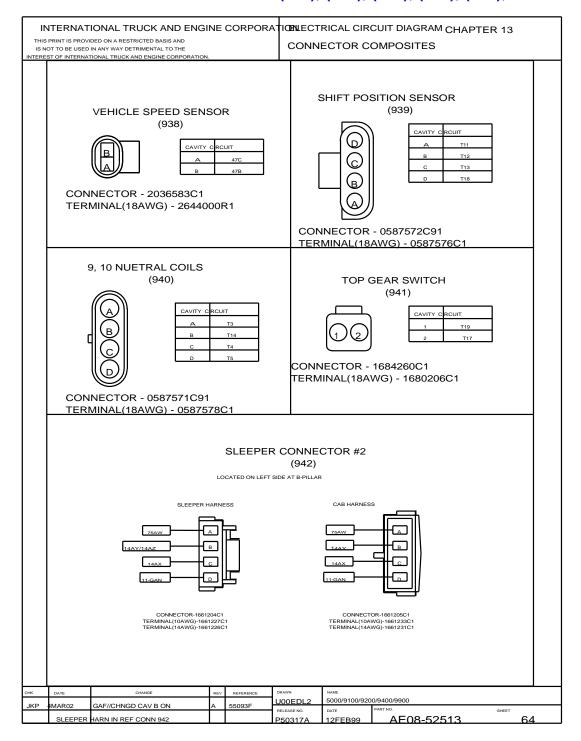


Figure 211 Connector Composites (938), (939), (940), (941), (942)

13.65. CONNECTOR COMPOSITES (955), (956), (962), (963), (992), (993), (994), P. 65

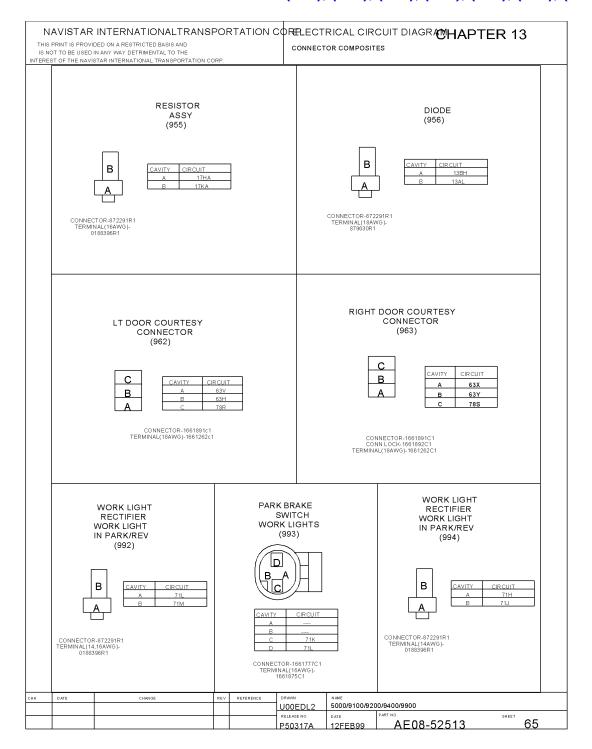


Figure 212 Connector Composites (955), (956), (962), (963), (992), (993), (994)

13.66. CONNECTOR COMPOSITES (995-999), (1000), (1033), (1034), P. 66

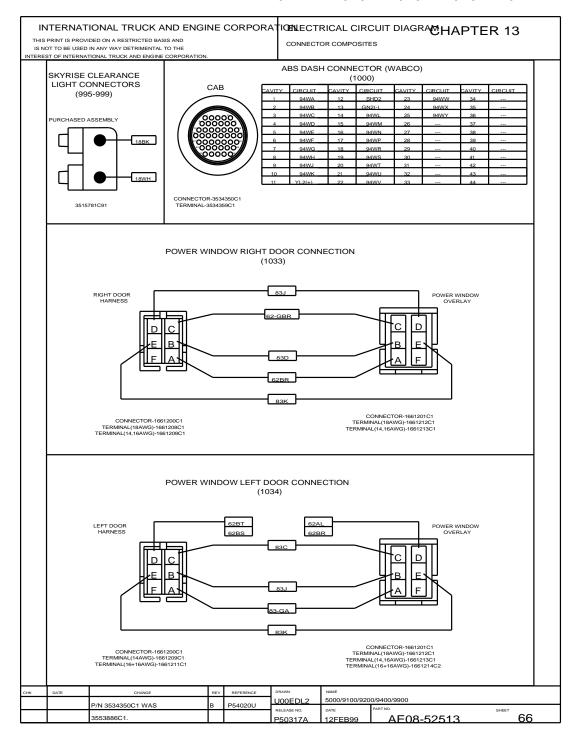


Figure 213 Connector Composites (995-999), (1000), (1033), (1034)

13.67. CONNECTOR COMPOSITES (1039), (1040), (1041), (1042), (1043), (1044), P. 67

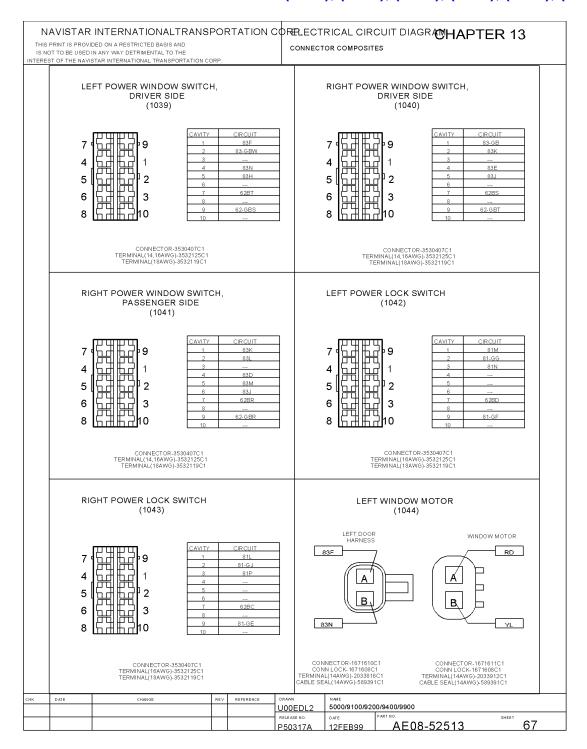


Figure 214 Connector Composites (1039), (1040), (1041), (1042), (1043), (1044)

13.68. CONNECTOR COMPOSITES (1045), (1046), (1047), (1048), P. 68

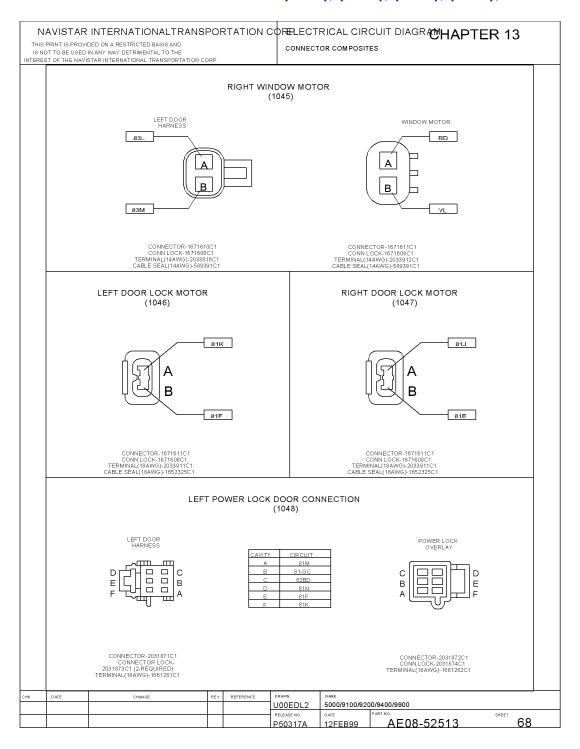


Figure 215 Connector Composites (1045), (1046), (1047), (1048)

13.69. CONNECTOR COMPOSITES (1049), (1050), (1051), P. 69

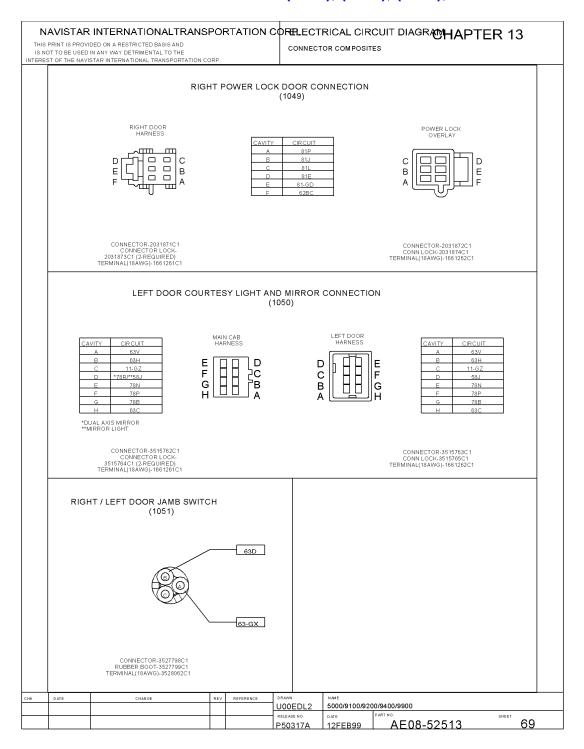


Figure 216 Connector Composites (1049), (1050), (1051)

13.70. CONNECTOR COMPOSITES (1053), (1054), (1056), (1057), P. 70

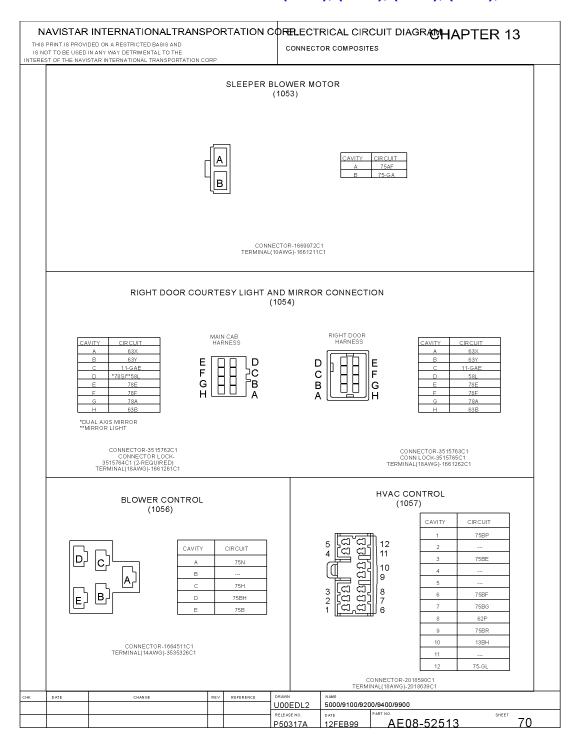


Figure 217 Connector Composites (1053), (1054), (1056), (1057)

13.71. CONNECTOR COMPOSITES (1058), (1059), (1060), (1084), (1085), (1086), (1088), (1090F), P. 71

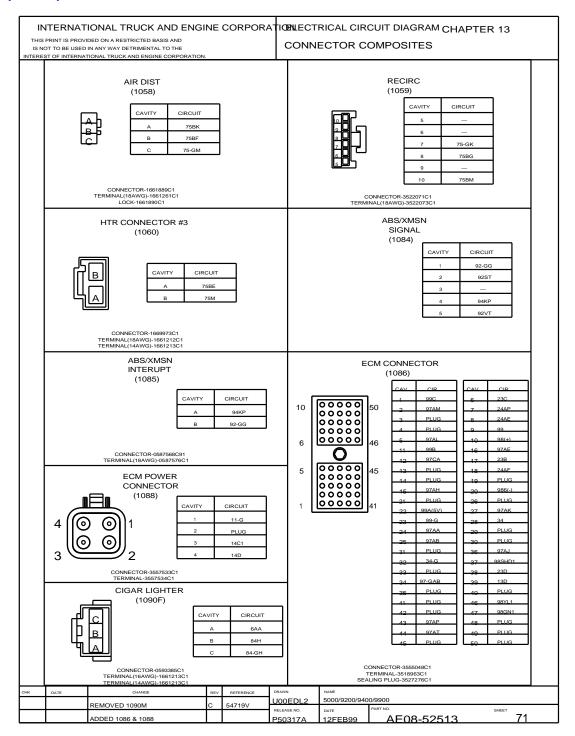


Figure 218 Connector Composites (1058), (1059), (1060), (1084), (1085), (1086), (1088), (1090F)

13.72. CONNECTOR COMPOSITES (1090M), (1091), (1093), (1094), (1095), P. 72

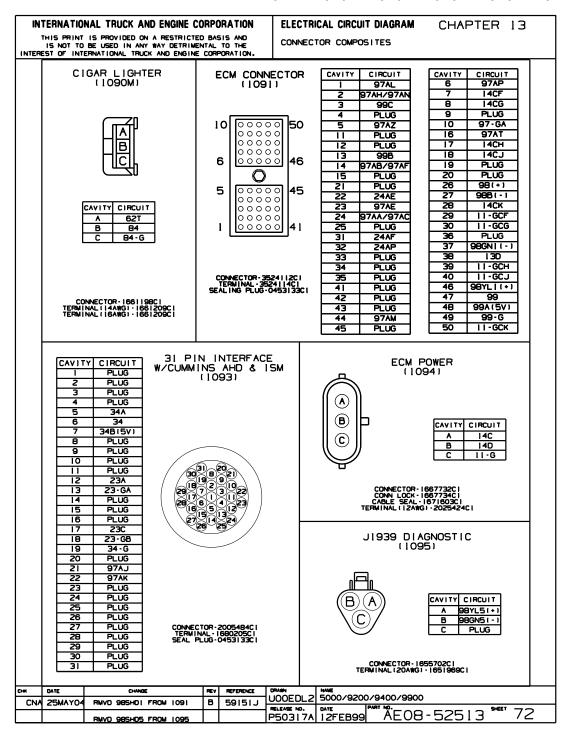


Figure 219 Connector Composites (1090M), (1091), (1093), (1094), (1095)

13.73. CONNECTOR COMPOSITES (1097), (1098), (1099), (1108), P. 73

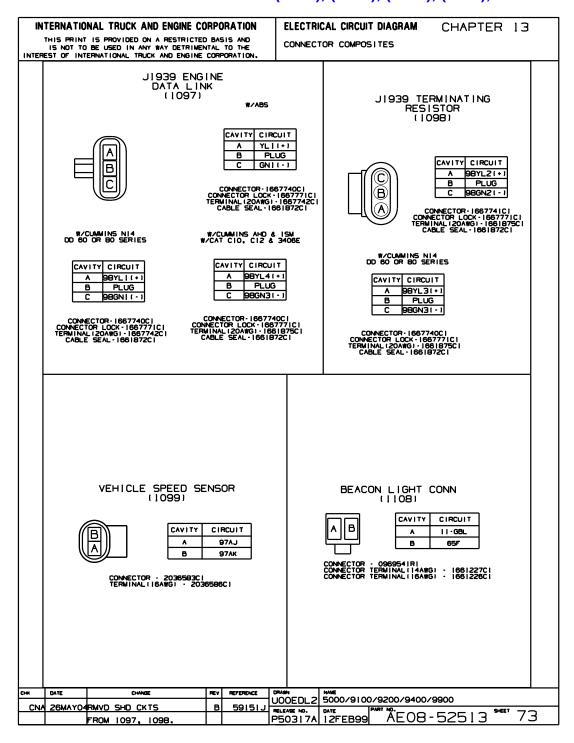


Figure 220 Connector Composites (1097), (1098), (1099), (1108)

13.74. CONNECTOR COMPOSITES (1110), (1112), (1113), (1125), (1126), P. 74

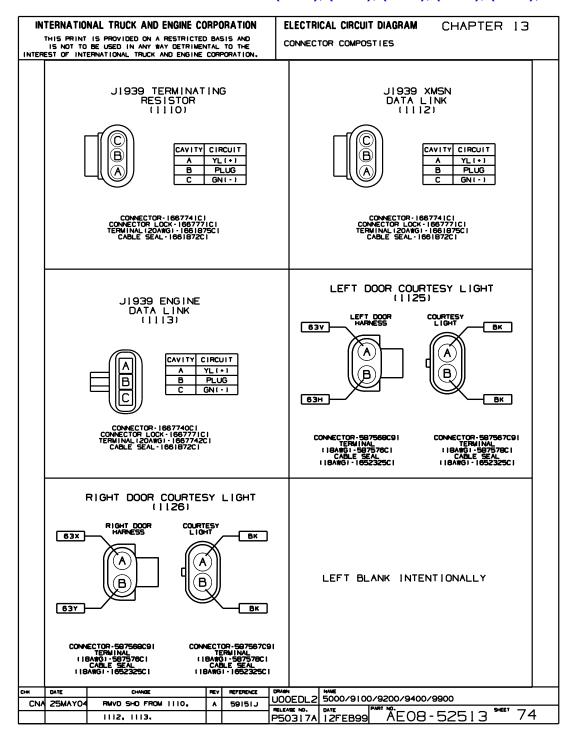


Figure 221 Connector Composites (1110), (1112), (1113), (1125), (1126)

13.75. CONNECTOR COMPOSITES (1127), (1128), (1130), (1135), P. 75

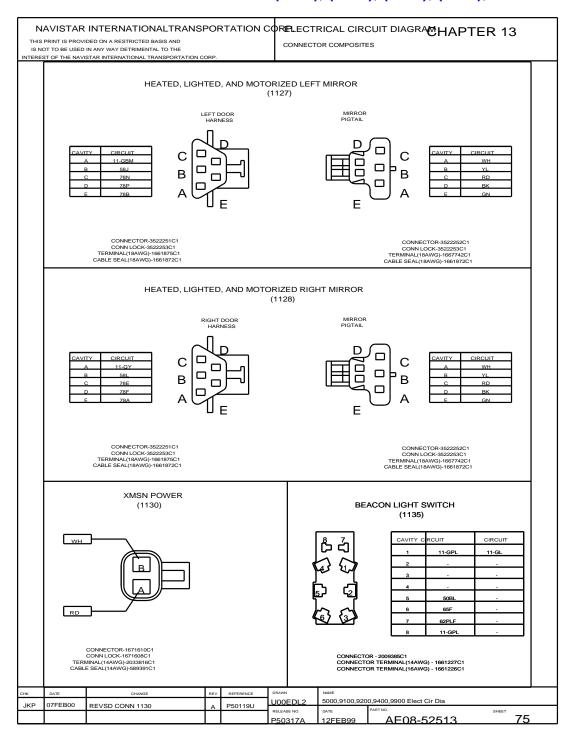


Figure 222 Connector Composites (1127), (1128), (1130), (1135)

13.76. CONNECTOR COMPOSITES (1137), (1138), (1139), (1140), (1141), P. 76

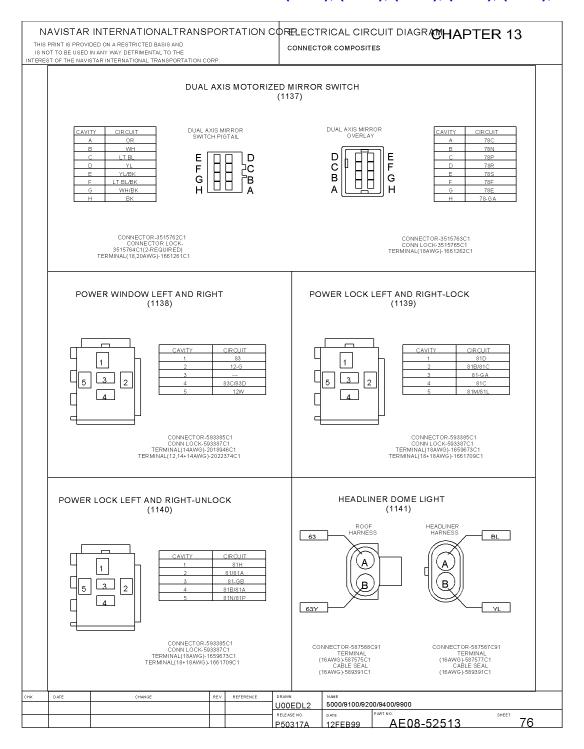


Figure 223 Connector Composites (1137), (1138), (1139), (1140), (1141)

13.77. CONNECTOR COMPOSITES (1155), (1156), (1157), (1158), (1159), (1170), P. 77

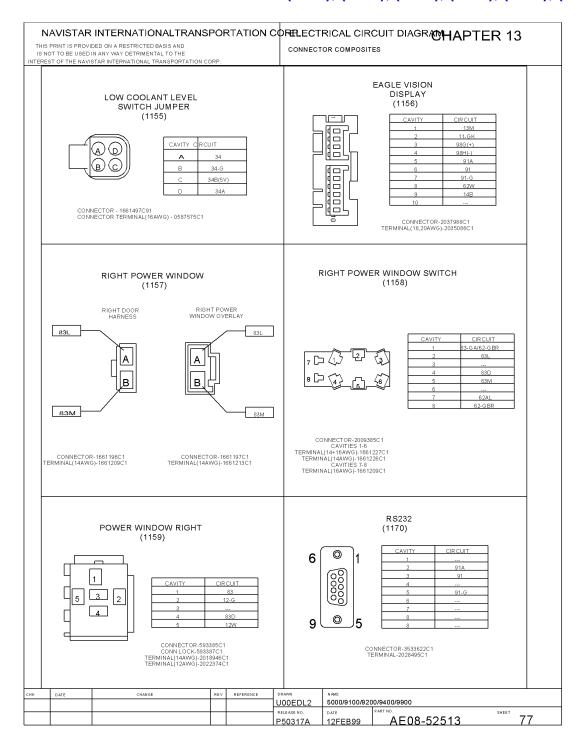


Figure 224 Connector Composites (1155), (1156), (1157), (1158), (1159), (1170)

13.78. CONNECTOR COMPOSITES (1171), (1188), (1189), AND JUNCTION POINTS J7 AND J4, P. 78

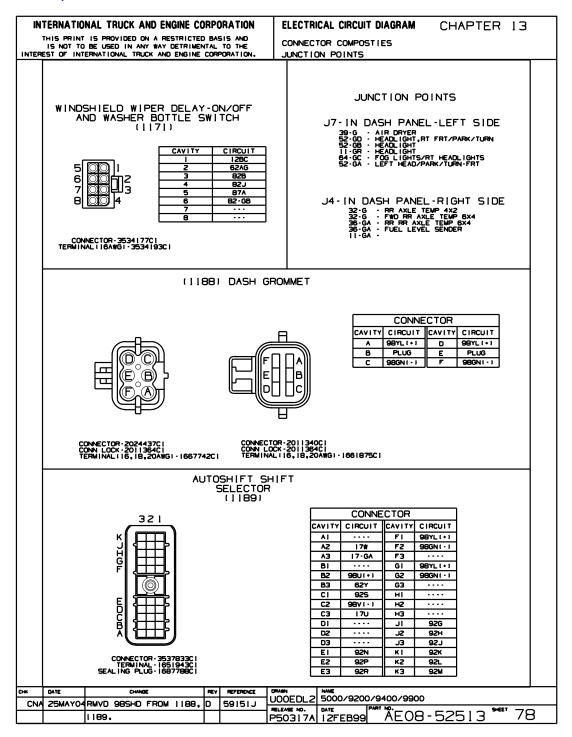


Figure 225 Connector Composite (1171), (1188), (1189), and Junction Points J4 and J7

13.79. CONNECTOR COMPOSITES (1190), (1193), (1194), (1195), (1223), (1224), (1225), P. 79

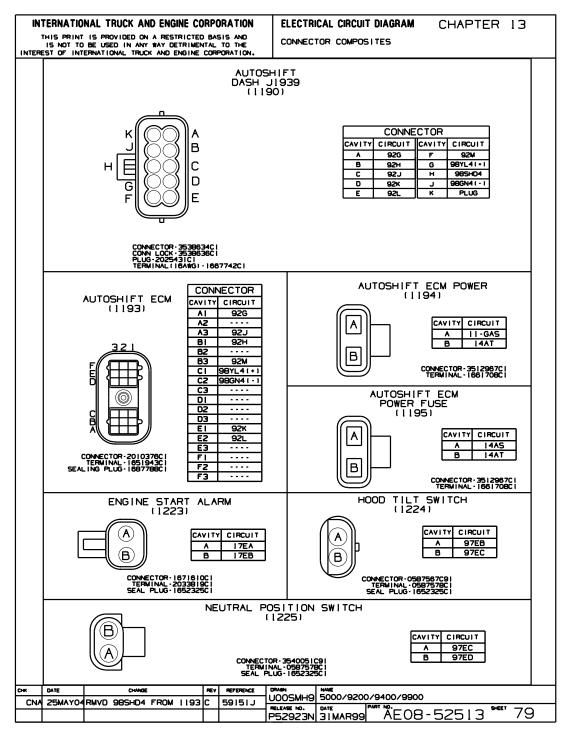


Figure 226 Connector Composites (1190), (1193), (1194), (1195), (1223), (1224), (1225)

13.80. CONNECTOR COMPOSITES (1227), (1229), (1239A, B, C), (1239), (1240), P. 80

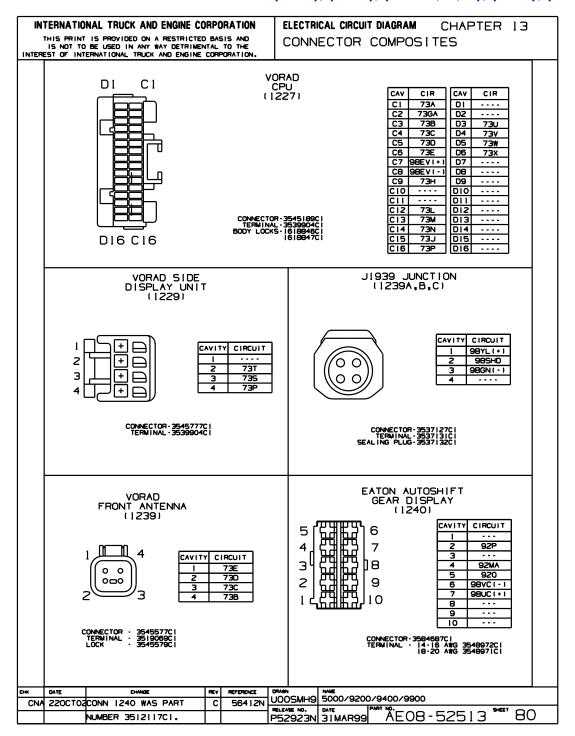


Figure 227 Connector Composites (1227), (1229), (1239A, B, C), (1239), (1240)

13.81. CONNECTOR COMPOSITES (1241), (1243), (1244), (1258), (1260), (1261), P. 81

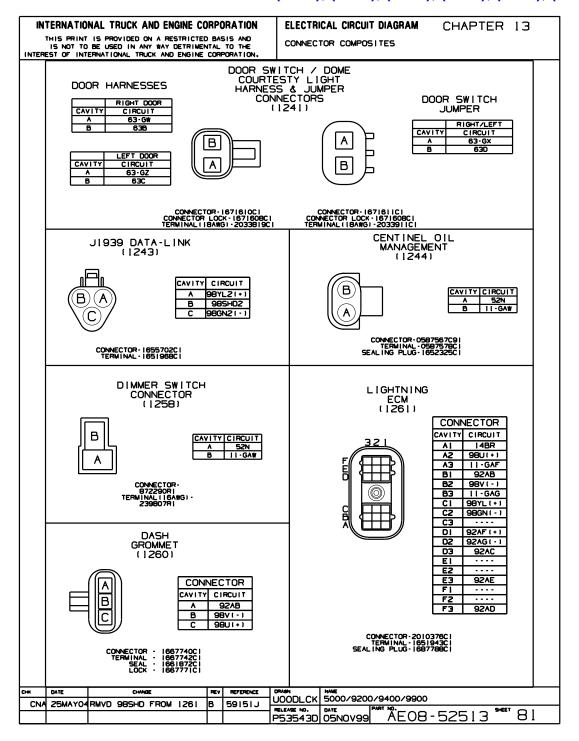


Figure 228 Connector Composites (1241), (1243), (1244), (1258), (1260), (1261)

13.82. CONNECTOR COMPOSITES (1262), (1263), (1264), (1265), (1279), P. 82

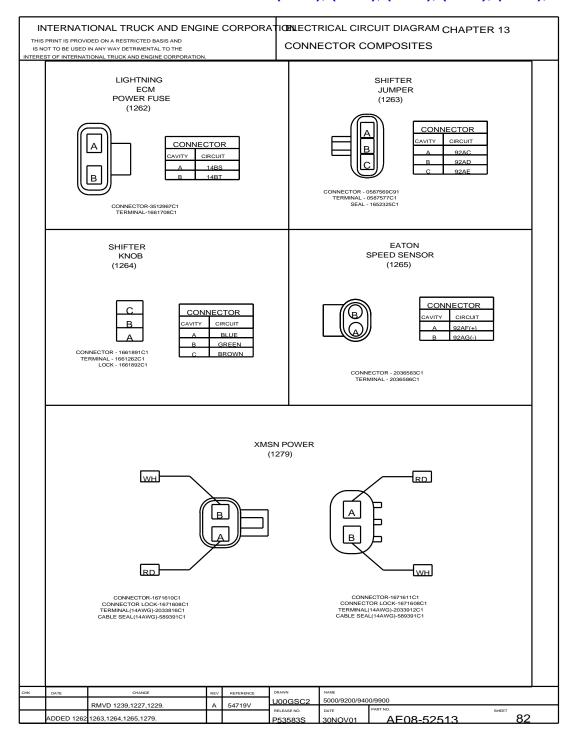


Figure 229 Connector Composites (1262), (1263), (1264), (1265), (1279)

13.83. LEFT BLANK INTENTIONALLY, P. 83

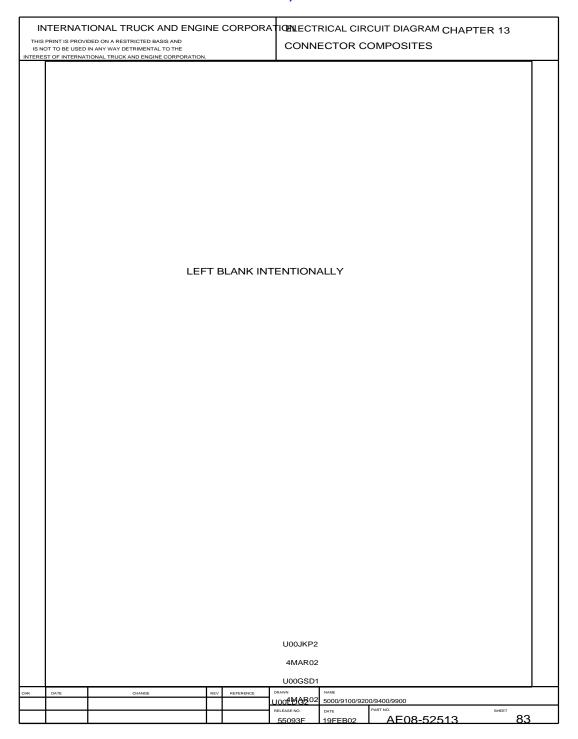


Figure 230 Left Blank Intentionally

13.84. CONNECTOR COMPOSITE (1285), P. 84

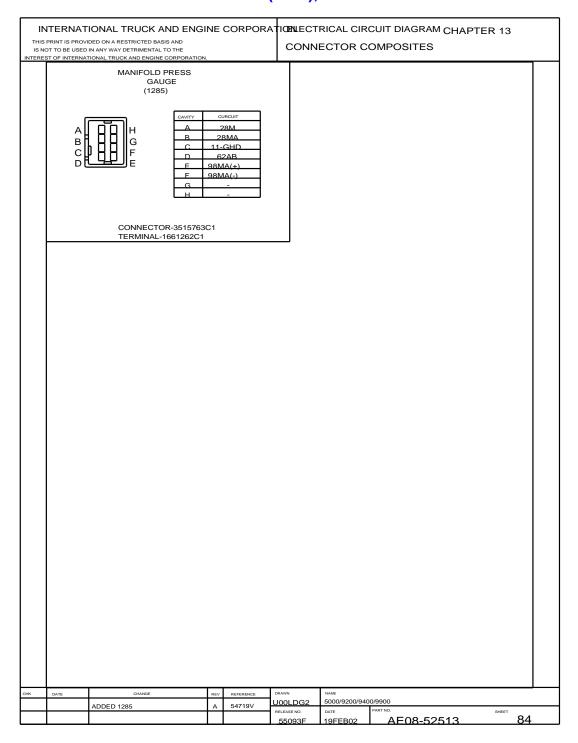


Figure 231 Connector Composite (1285)

13.85. CONNECTOR COMPOSITES (1286), (1287), (1288), (1289), (1290), P. 85

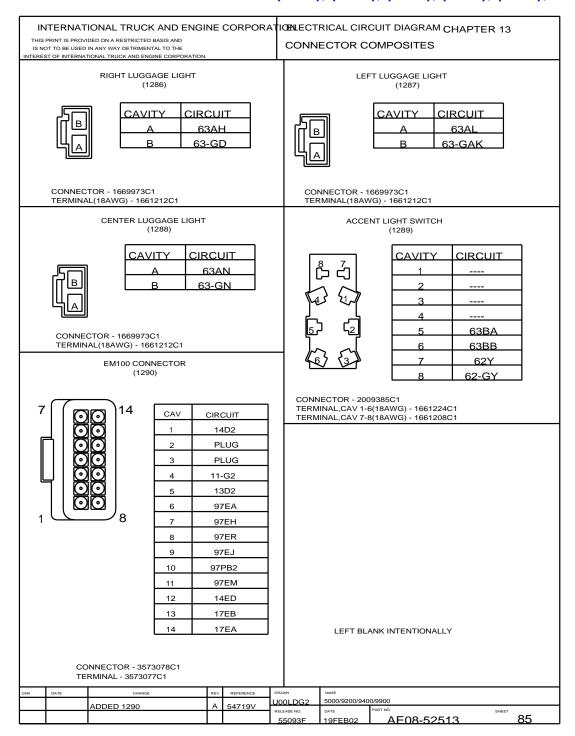


Figure 232 Connector Composites (1286), (1287), (1288), (1289), (1290)

13.86. CONNECTOR COMPOSITES (1304), (1305), (1306), (1307), (1308), (1309M), P. 86

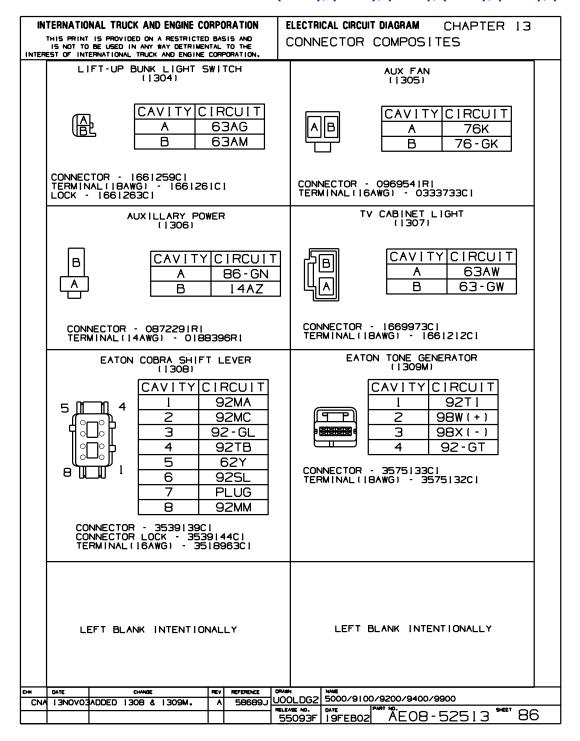


Figure 233 Connector Composites (1304), (1305), (1306), (1307), (1308), (1309M)

13.87. CONNECTOR COMPOSITES (1310), (1311), (1312), (1313), (1315), (1316OL), (1316PL), P. 87

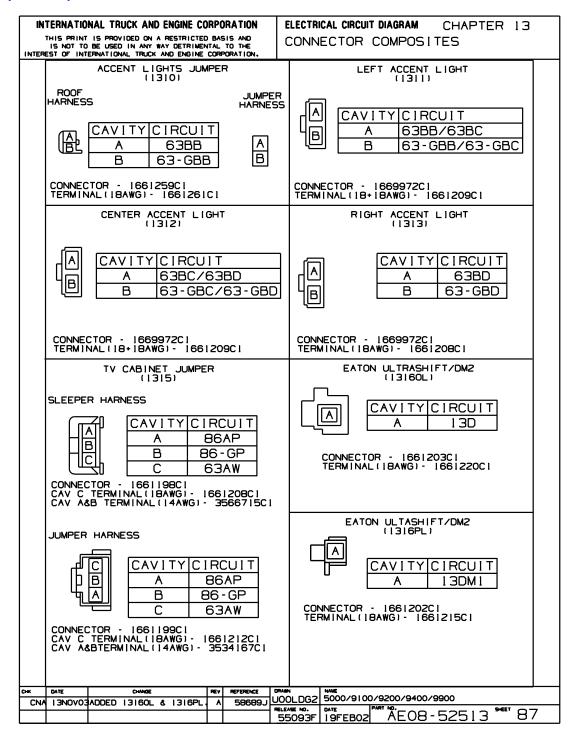


Figure 234 Connector Composites (1310), (1311), (1312), (1313), (1315), (1316OL), (1316PL)

13.88. CONNECTOR COMPOSITES (1321), (1322), (1323), (1324), (1327), (1328), P. 88

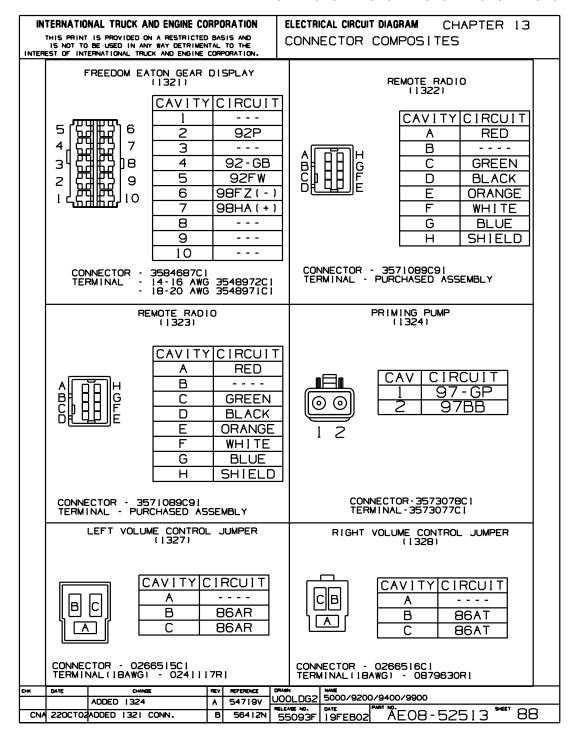


Figure 235 Connector Composites (1321), (1322), (1323), (1324), (1327), (1328)

13.89. CONNECTOR COMPOSITES (1331), (1332), P. 89

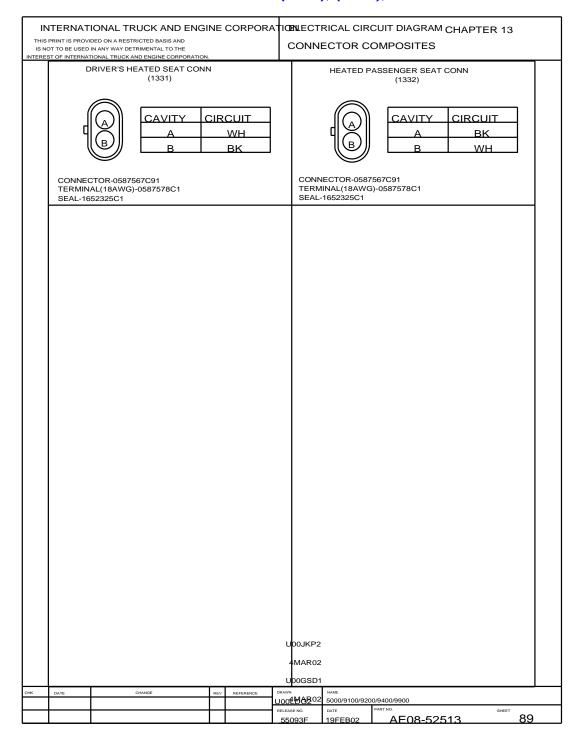


Figure 236 Connector Composites (1331), (1332)

13.90. CONNECTOR COMPOSITES (1348), (1349), P. 90

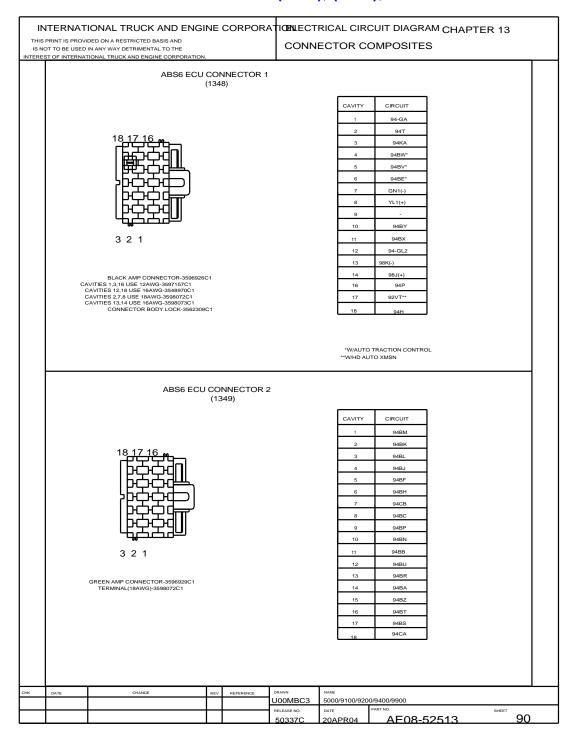


Figure 237 Connector Composites (1348), (1349)

13.91. CONNECTOR COMPOSITES (1360), (1361), (5710L), P. 91

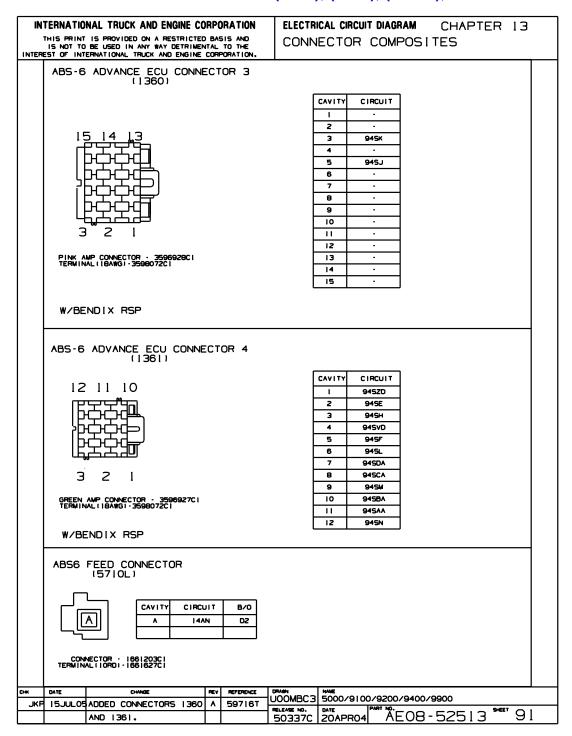


Figure 238 Connector Composites (1360), (1361), (5710L)

14. POWER DISTRIBUTION LAYOUT (CHAPTER 14)

14.1. POWER DISTRIBUTION CENTER, FUSE AND CIRCUIT BREAKER LOCATION, P. 1

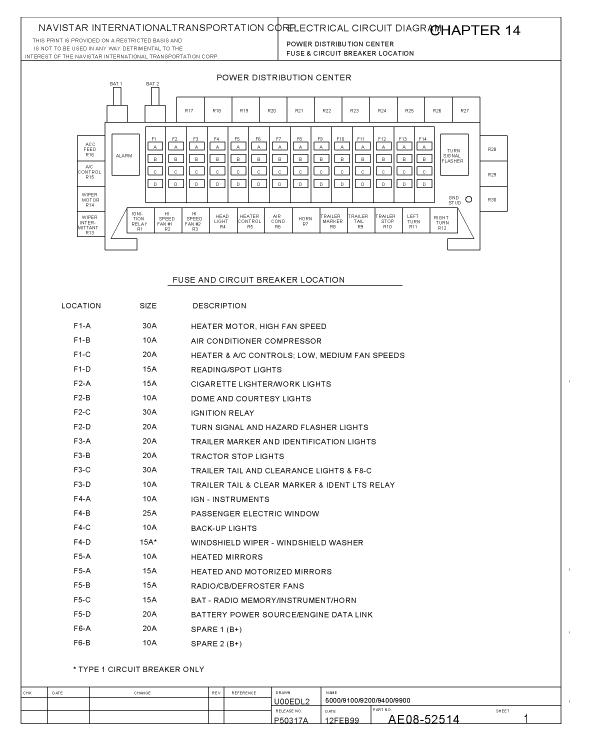


Figure 239 Power Distribution Center, Fuse and Circuit Breaker Location

14.2. FUSE AND CIRCUIT BREAKER LOCATION (CONT.), P. 2

INTERNATIONAL TRU THIS PRINT IS PROV IS NOT TO BE USED ITEREST OF INTERNATION	IDED ON A RES	STRICTED BASIS AND FUSE & CIRCUIT BREAKER LOCATION (CONTINUED)			
LOCATION	SIZE	DESCRIPTION			
F6-C	304	A3 - ACCESSORY RELAY FOR A3-ADAPTER			
F6-D	204	ENGINE ECM POWER (CAT)			
F6-D	54	ENGINE ECM POWER (CUMMINS, DETROIT)			
F7-A	25A	KEY SWITCH CIRCUIT & RELATED RELAYS FOR IGN & ACC			
F7-B	154	TRAILER LEFT TURN LIGHTS & INDICATOR BULB			
F7-C	154	TRAILER RIGHT TURN LIGHTS & INDICATOR BULB			
F7-D	304	TRAILER STOP LIGHTS			
FB-A	104•	HEADLIGHT SWITCH RELAY FEED			
F8-B	25.4				
F8-C	25A• 15A	HEADLIGHT FEED			
		LIGHTS PANEL-MIRROR, CAB CLEAR, TRACTOR PARK & TAIL			
F8-D	204	SLEEPER-DOME, READING & LUGGAGE LIGHTS			
F9-A	104	AIR DRYER FEED			
F9-B	20A	IGN-DAYTIME RUNNING LIGHTS FEED			
F9-C	5A••	BAT-DAYTIME RUNNING LIGHTS FEED			
F9-D	104	HEATER CONTROL MODULE IGNITION FEED			
F10-A	154	TRAILER ABS POWER FEED			
F10-B	304	WIPER-WASHER/ACCESSORY			
FOR ACTU		STOMER ORDER. SEE POWER DISTRIBUTION CENTER TIONS. FAN DRIVE (DETROIT)			
F10-D	154	OPTIMIZED IDLE-INDICATOR LIGHT & ALARM			
F11-A	154	OPTIMIZED IDLE-IGNITION RELAY & THERMOSTAT			
FII-B	20A	FUEL SOLENOID W/3406C MECH			
FII-C	204	KYSOR SHUTDOWN W/3406C MECH			
FII-D	54 • •	ENGINE DATA LINK W/3406C MECH			
F12-A	154	ENGINE BRAKE W/3406C MECH			
F12-B	154	BUNK AUXILIARY BLOWER			
F12-C	104	EXHAUST PYROMETER			
F12-D	IOA	ETHER START			
F13-A	20A	FOG LIGHTS			
F13-B	AOE	BENDIX ABS BATTERY			
F13-C	54	BENDIX ABS IGNITION			
F13-D	IOA	WABCO ABS IGNITION			
F14-A	104	IGN - WABCO ABS			
F14-B	IOA	ANALOG CLOCK			
F14-C	30A	SPARE SWITCH FEED			
F14-D	154	KYSOR LOW COOLANT			
	IOA	MERITOR G SERIES XMSN			
	54	REFRIGERATOR			
	104	DRIVER HEATED SEAT			
	104	PASSENGER HEATED SEAT • TYPE I CIRCUIT BREAKER ONL'			
		•• FUSE ONLY			
DATE	CHANGE	REV REFERENCE DRAIN NAME			
CNA 12MAYO4F13-C	FUSE WAS				
ENDIX ABS TRAC	TION CON				

Figure 240 Power Distribution Center, Fuse and Circuit Breaker Location (Cont.)

14.3. RELAY LOCATION, P. 3

INTERNATIONAL TRUCK AN	ID ENGINE CORPORATION	ELECTRICAL CIRCUIT DIAGRAM CHAPTER 14 RELAY LOCATION			
THIS PRINT IS PROVIDED ON					
IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF INTERNATIONAL TRUCK AND ENGINE CORPORATION.					
LOCATION	DESCRIPTION				
RI	IGNITION				
R2	HIGH SPEED FAN				
R3	MEDIUM SPEED FAN				
R4	HEADL I GHT				
R5	HEATER CONTROL				
R6	AIR CONDITIONER				
R7	HORN				
R8	TRAILER MARKER				
R9	TRAILER TAIL				
RIO	TRAILER STOP				
RII	LEFT TURN				
RI2	RIGHT TURN				
RI3	ELECT WIPER/INTERMITTANT				
RI4	ELECT WIPER MOTOR				
R15					
	A/C CONTROL RELAY				
RI6	ACCESSORY FEED RELAY				
RI7	AIR DRYER				
RIB	BUNK AUX BLOWER				
RI9	FOG LIGHTS				
R20	RELAY CONTROL ACC ADAPTER				
R21	ABS TRAILER RE	LAY			
THE FOLLOWING F ARE CHOSEN BY C ORDER. SEE POWE	RELAYS (LOCATIONS F COMPUTER SOFTWARE F CR DISTRIBUTION CEN	R22 THRU R30) ARE OPTION PROGRAM ACCORDING TO CUS NTER FOR ACTUAL LOCATION	AL. LOCATIONS TOMER IS.		
R22	ABS IGNITION OR BATTERY (N/ABS-6)				
R23	ABS WARNING LIGHT (N/ABS-6)				
R24	ABS ENGINE BRAKE INTERRUPT				
R25	SPARE ACC RELAY SWITCH				
R26	KYSOR SHUTDOWN				
R27	ABS BATTERY				
R28					
R29					
R30					
CHR DATE CHANGE	PEV REFERENCE	DRAMN NAME			
CNA 12MAYO4 VTT//ADDED		UOOEDL2 5000/9100/9200/9400/			
DESCRIPTION TO RE	22 & R23.	2503174 12FEB99 AEO8	-52514 *** 03		
		<u> </u>			

Figure 241 Relay Location

14.4. PRO SLEEPER FUSE INDEX, P. 4

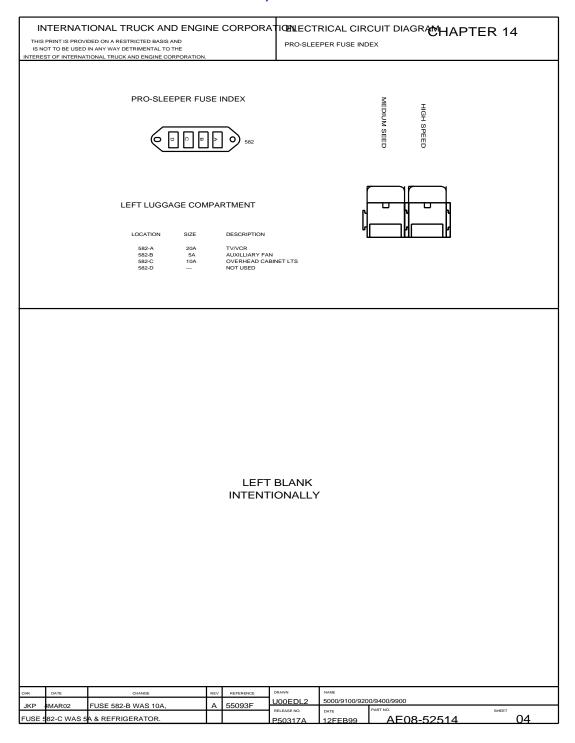


Figure 242 Pro Sleeper Fuse Index