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## Electrical Circuit Diagrams

**3200**  
**4100**  
**4200**  
**4300**  
**4400**  
**7300**  
**7400**  
**7500**  
**7600**  
**8500**  
**8600**

**Start Date: 03/11/2004 End Date: 09/30/2005**

# Navistar, Inc.

2701 Navistar Drive, Lisle, IL 60532 USA



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## INSTRUCTIONS AND CHARTS (CHAPTER 2)

### 2.1. CIRCUIT NUMBER IDENTIFICATION AND LOCATION CHART, P. 1

INTERNATIONAL TRUCK AND ENGINE CORPORATION  THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF INTERNATIONAL TRUCK AND ENGINE CORPORATION.				ELECTRICAL CIRCUIT DIAGRAM      CHAPTER 1  INTERNATIONAL CIRCUIT NUMBER IDENTIFICATION AND LOCATION																																	
PREFIX DESIGNATIONS																																					
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;">PREFIX</th> <th style="width: 90%;">LOCATION</th> </tr> </thead> <tbody> <tr><td>A</td><td>Cab-Instrument Panel Module</td></tr> <tr><td>B</td><td>Cab-Driver Control Module</td></tr> <tr><td>C</td><td>Cab-Header/Clearance Lights</td></tr> <tr><td>D</td><td>Cab-Roof/Rear Panel</td></tr> <tr><td>E</td><td>Cab-Left Door/Doors</td></tr> <tr><td>F</td><td>Cab-Right Door/Doors</td></tr> <tr><td>H</td><td>Cab-Sleeper</td></tr> <tr><td>J</td><td>Cab-Dash(outside)</td></tr> <tr><td>K</td><td>Engine/Radiator</td></tr> <tr><td>L</td><td>Transmission</td></tr> <tr><td>M</td><td>Chassis/Front End (Cab Dash Panel Forward)</td></tr> <tr><td>N</td><td>Chassis/Center Section (Cab Dash Panel to Cab RR Xmbr)</td></tr> <tr><td>P</td><td>Chassis/Wheel Base Section</td></tr> <tr><td>R</td><td>Chassis/Suspension/Rear Axle/Axles</td></tr> <tr><td>S</td><td>Chassis/AF Section/Stop/Tail/Turn Lights</td></tr> </tbody> </table>						PREFIX	LOCATION	A	Cab-Instrument Panel Module	B	Cab-Driver Control Module	C	Cab-Header/Clearance Lights	D	Cab-Roof/Rear Panel	E	Cab-Left Door/Doors	F	Cab-Right Door/Doors	H	Cab-Sleeper	J	Cab-Dash(outside)	K	Engine/Radiator	L	Transmission	M	Chassis/Front End (Cab Dash Panel Forward)	N	Chassis/Center Section (Cab Dash Panel to Cab RR Xmbr)	P	Chassis/Wheel Base Section	R	Chassis/Suspension/Rear Axle/Axles	S	Chassis/AF Section/Stop/Tail/Turn Lights
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CIRCUIT NUMBER AND IDENTIFICATIONS																																					
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;">CIRCUIT NUMBER</th> <th style="width: 15%;">COLOR</th> <th style="width: 75%;">DESCRIPTION</th> </tr> </thead> <tbody> <tr><td>1</td><td>LTBL</td><td>ALTERNATOR - FIELD</td></tr> <tr><td>2</td><td>RD</td><td>ALTERNATOR - CHARGE</td></tr> <tr><td>3</td><td>DKBL GY</td><td>1708 DATA LINK, SWITCH DATA LINK (+) 1708 DATA LINK, SWITCH DATA LINK (-)</td></tr> <tr><td>4</td><td></td><td>SERIAL/DATA COMMUNICATION J1922</td></tr> <tr><td>5</td><td>YL GN</td><td>DRIVE TRAIN J1939 DATA LINK (+) DRIVE TRAIN J1939 DATA LINK (-)</td></tr> <tr><td>6</td><td>GY</td><td>LOW VOLTAGE ELECTRONIC FEED (&lt; 9 VOLTS)</td></tr> <tr><td>7</td><td>RD</td><td>ALTERNATOR - RESISTANCE</td></tr> <tr><td>8</td><td></td><td></td></tr> </tbody> </table>						CIRCUIT NUMBER	COLOR	DESCRIPTION	1	LTBL	ALTERNATOR - FIELD	2	RD	ALTERNATOR - CHARGE	3	DKBL GY	1708 DATA LINK, SWITCH DATA LINK (+) 1708 DATA LINK, SWITCH DATA LINK (-)	4		SERIAL/DATA COMMUNICATION J1922	5	YL GN	DRIVE TRAIN J1939 DATA LINK (+) DRIVE TRAIN J1939 DATA LINK (-)	6	GY	LOW VOLTAGE ELECTRONIC FEED (< 9 VOLTS)	7	RD	ALTERNATOR - RESISTANCE	8							
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8																																					
CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME																															
PEC	16JAN01	PRODUCTION RELEASE.	A	P54304U	U00DLCK	42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS																															
					RELEASE NO.	DATE																															
					P52778H	09AUG00																															
						PART NO.																															
						AE08-52365																															
						SHEET																															
						01																															

**Figure 1 Circuit Number Identification and Location Chart**

2.2. CIRCUIT NUMBER IDENTIFICATION AND LOCATION CHART, P. 2

INTERNATIONAL TRUCK AND ENGINE CORPORATION <small>THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF INTERNATIONAL TRUCK AND ENGINE CORPORATION.</small>				ELECTRICAL CIRCUIT DIAGRAM      CHAPTER 1  INTERNATIONAL CIRCUIT NUMBER IDENTIFICATION AND LOCATION (CONT.)			
CIRCUIT NUMBER AND IDENTIFICATIONS (CONT.)							
CIRCUIT NUMBER	COLOR	DESCRIPTION					
9	GY	ZERO VOLT REFERENCE (ZVR)					
10	WH	CHASSIS/ENGINE GROUND					
11	WH	CAB/SLEEPER GROUND					
12	LTBL	ACCESSORY FEED					
13	PK BK	IGNITION FEED IGNITION FEED (BODY BUILDER CONNECTOR)					
14	RD	BATTERY FEED					
15	RD	KEY SWITCH FEED					
16							
17	PK	STARTER CONTROL					
18	PK	GLOW PLUG/PRE-HEATER					
19	GY	ENGINE SHUTDOWN					
20	LTGN	REMOTE POWER MODULE					
21	TN	COLD START CONTROLS (ETHER)					
22							
23	TN	ENGINE FAN/SHUTTERS					
24	GY	ENGINE EXHAUST BRAKE					
25	TN	PYROMETER					
26	TN	AMMETER					
27	TN	VOLTMETER					
28	TN	INSTRUMENTS AND GAUGES					
29	TN	ENGINE WATER TEMPERATURE					
30	TN	ENGINE OIL TEMPERATURE					
31	TN	TRANSMISSION OIL TEMPERATURE					
32	TN	AXLE OIL TEMPERATURE					
CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME	
PEC	16JAN01	PRODUCTION RELEASE.	A	P54304U	U00JXP9	42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS	
					RELEASE NO.	DATE	
					P52778H	09AUG00	
						PART NO.	
						AE08-52365	
						SHEET	
						02	

Figure 2 Circuit Number Identification and Location Chart (Cont.)

2.3. CIRCUIT NUMBER IDENTIFICATION AND LOCATION CHART, P. 3

INTERNATIONAL TRUCK AND ENGINE CORPORATION THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF INTERNATIONAL TRUCK AND ENGINE CORPORATION.				ELECTRICAL CIRCUIT DIAGRAM      CHAPTER 1 INTERNATIONAL CIRCUIT NUMBER IDENTIFICATION AND LOCATION (CONT.)				
CIRCUIT NUMBER AND IDENTIFICATIONS (CONT.)								
CIRCUIT NUMBER	COLOR	DESCRIPTION						
33	TN	ENGINE OIL LEVEL						
34	TN	COOLANT LEVEL						
35	TN	ENGINE OIL PRESSURE						
36	TN	FUEL LEVEL						
37	TN	FUEL PUMP						
38								
39	GY	AIR DRYER HEATER						
40	GY	LOW AIR PRESSURE WARNING						
41	TN	AIR TEMPERATURE						
42	GY	FRONT AXLE ENGAGED						
43	GY	POWER DIVIDER LOCK (PDL) WARNING						
44	GY	PARK BRAKE WARNING						
45	LTGN	ANTI - THEFT WARNING						
46	GY	POWER TAKE - OFF WARNING						
47	GY	SPEEDOMETER						
48	GY	TACHOMETER						
49	GY	DIFFERENTIAL LOCK WARNING						
50	YL	LIGHT SWITCH FEED						
51	YL	DIMMER SWITCH FEED						
52	YL	HEADLIGHT HI - BEAM						
53	YL	HEADLIGHT LO - BEAM						
54	BN	PARKING/MARKER LIGHTS						
55	OR	TURN SIGNAL - FEED						
56	OR	TURN SIGNAL LIGHTS - LEFT						
	YL	TURN SIGNAL LIGHTS - LEFT (BODY BUILDER CONNECTION)						
57	OR	TURN SIGNAL LIGHTS - RIGHT						
	LT GN	TURN SIGNAL LIGHTS - RIGHT (BODY BUILDER CONNECTION)						
CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME		
PEC	16JAN01	PRODUCTION RELEASE.	A	P54304U	U00DLCK	42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS		
					RELEASE NO.	DATE	PART NO.	SHEET
					P52778H	15 MAY 00	AE08-52365	03

Figure 3 Circuit Number Identification and Location Chart (Cont.)

2.4. CIRCUIT NUMBER IDENTIFICATION AND LOCATION CHART, P. 4

INTERNATIONAL TRUCK AND ENGINE CORPORATION THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF INTERNATIONAL TRUCK AND ENGINE CORPORATION.				ELECTRICAL CIRCUIT DIAGRAM      CHAPTER 1 INTERNATIONAL CIRCUIT NUMBER IDENTIFICATION AND LOCATION (CONT.)				
CIRCUIT NUMBER AND IDENTIFICATIONS (CONT.)								
CIRCUIT NUMBER	COLOR	DESCRIPTION						
58	BN	CLEARANCE/IDENTIFICATION LIGHTS						
59	GY	SOLENOID						
60	OR	HAZARD LIGHTS						
61	GY	AIR SUSPENSION						
62	DKBL	PANEL LIGHTS						
63	DKBL	COURTESY/DOME LIGHTS						
64	YL	FOG/DRIVING LIGHTS						
65	OR	CAB REAR FLOOD LIGHT						
66	YL	DAYTIME RUNNING LIGHTS						
67								
68	BN	TAIL LIGHTS						
69	BN	LICENSE PLATE LIGHT						
70	OR RD	STOP LIGHTS STOP LIGHTS (BODY BUILDER CONNECTION)						
71	OR LTBL	BACK - UP LIGHTS BACK - UP LIGHTS (BODY BUILDER CONNECTION)						
72	OR	TRAILER AUXILIARY FEED - BATTERY						
73	LTGN	PWM						
74	LTGN	HEATER RECIRC MOTOR						
75	LTGN	HEATER BLOWER MOTOR						
76	LTGN	AUXILIARY FAN						
77	LTGN	AIR CONDITIONER						
78	LTGN	MIRRORS - HEATED; MOTORIZED						
79	GY	SEAT BELTS						
80	BK	SLEEPER BOX RELAY - FEED						
81	LTGN	POWER DOOR LOCKS						
CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME		
PEC	16JAN01	PRODUCTION RELEASE.	A	P54304U	U00DLCK	42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS		
					RELEASE NO.	DATE	PART NO.	SHEET
					P52778H	15MAY00	AE08-52365	04

Figure 4 Circuit Number Identification and Location Chart (Cont.)

2.5. CIRCUIT NUMBER IDENTIFICATION AND LOCATION CHART, P. 5

INTERNATIONAL TRUCK AND ENGINE CORPORATION				ELECTRICAL CIRCUIT DIAGRAM				CHAPTER 1																																																																																																																																																																																																																																																											
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CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME																																																																																																																																																																																																																																																													
JKP	30MAY03	ADDED 103, 104, 105 & COLOR TO 100, 101, 102.	C	58205F	U00DLCK RELEASE NO.	42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS	DATE	PART NO.	SHEET																																																																																																																																																																																																																																																										
					P52778H	15MAY00	AE08-52365		05																																																																																																																																																																																																																																																										

Figure 5 Circuit Number Identification and Location Chart (Cont.)

2.6. NAVPAK/ECM I6 ENGINE CONTROLLER CONNECTOR PIN NUMBER IDENTIFICATION, P. 6

INTERNATIONAL TRUSK AND ENGINE CORPORATION				ELECTRICAL CIRCUIT DIAGRAM		CHAPTER 1		
THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF INTERNATIONAL TRUSK AND ENGINE CORPORATION.				INTERNATIONAL NAVPAK/ECM I6 ENGINE CONTROLLER CONNECTOR PIN NUMBER IDENTIFICATION				
ECM PIN #	TERM	DESCRIPTION	ECM PIN #	TERM	DESCRIPTION	ECM PIN #	TERM	DESCRIPTION
12	AAT	AMBIENT AIR TEMP. SENSOR	27	IVS	IDLE VALIDATION SWITCH			
33	ACD	A/C DEMAND	54	OWL	OIL/WATER WARNING LIGHT			
8	APS	ACCELERATOR POS. SENSOR	25	PWR RLY	CEC MAIN POWER RELAY SIGNAL			
16	ATA(+)	J1708 DATALINK (+)	31	RAS	RESUME/ACCELERATE			
17	ATA(-)	J1708 DATALINK (-)	37	RPRF	PRESET SPEED			
29	BAP	BAROMETRIC AIR PRESS. SENSOR	30	RPS	REMOTE ACCELERATOR POS. SENS. SIG.			
43	BN01	BRAKE STATUS #1	6	RPS_RTN	REMOTE ACCELERATOR POS. SENS RTN.			
44	BN02	BRAKE STATUS #2	36	RVAR	VARIABLE SPEED SWITCH			
18	CAN SHLD	DRIVETRAIN J1939 DATALINK SHLD	32	SCS	SET/COAST			
19	CAN(+)	DRIVETRAIN J1939 DATALINK (+)	45	SIL	SERVICE INTERVAL LIGHT			
20	CAN(-)	DRIVETRAIN J1939 DATALINK (-)	34	STI	SELF TEST INPUT			
15	CBE_SEL1	RETARDER/EXHAUST BRAKE REQUEST	48	SUL	SHIFT UP LIGHT			
10	CLS	COOLANT LEVEL SENSOR	59	TACA	TACHOMETER A			
35	COD	CRUISE ON/OFF	60	TACB	TACHOMETER B			
21	DC (+)	POWER	38	TCSS	TORQUE CURVE SELECTION INPUT			
22	DC (+)	POWER	28	TSA	TWO SPEED AXLE			
1	DC (-)	GROUND	3	VBREF(5V)	ACCELERATOR SENSOR SUPPLY			
2	DC (-)	GROUND	11	VBREF GND	ACCELERATOR SENSOR GROUND			
26	DDS	DRIVELINE DISENGAGED INPUT	5	VCREF(5V)	REMOTE ACCELERATOR SENS. SUPPLY			
42	DPS	GROUND	7	VCREF GND	REMOTE ACCELERATOR SENSOR GND			
46	ECl	ENGINE CRANK INHIBIT	24	VIGN	IGNITION FEED			
56	EDL	TRANSMISSION KICKDOWN	47	VRE	RETARDER/EXHAUST BRAKE ENABLE			
53	GPL	GLOW PLUG LIGHT	39	VSS(+)	VEHICLE SPEED SENSOR (+)			
4	HGE	HYD. PRESS GOVERNOR ENABLE	40	VSS(-)	VEHICLE SPEED SENSOR (-)			
49	HMI	HYDRAULIC PRESS GOVERNOR IND. LT	58	VSSCALA	SPEEDOMETER SIGNAL A			
13	HPS	HYDRAULIC PRESSURE SENSOR	57	VSSCALB	SPEEDOMETER SIGNAL B			
41	HSO (+)	POWER	55	WARN	ENGINE WARNING LIGHT			
23	HSO (-)	GROUND						

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME		
CNA	12SEP03	ADDED PIN # CHART.	C	58774T	U00JXP9	42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS		
					RELEASE NO.	DATE	PART NO.	SHEET
					P52778H	09AUG00	AE08-52365	06

Figure 6 NAVPAK/ECM I6 Engine Controller Connector Pin Number Identification

2.7. CIRCUIT DIAGRAM INSTRUCTIONS, P. 7


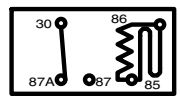


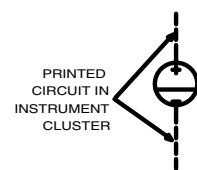
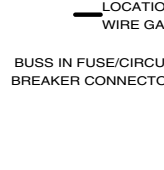

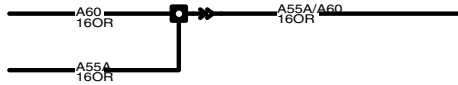
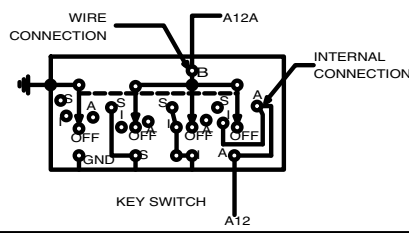
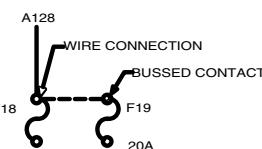
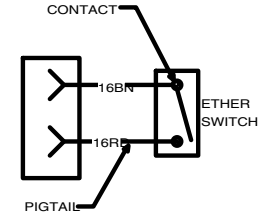
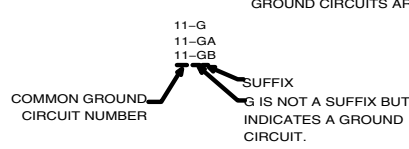
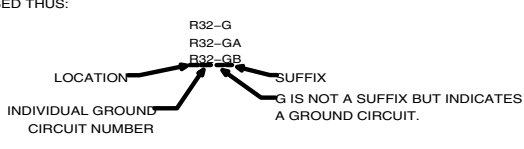
<p>INTERNATIONAL TRUCK AND ENGINE CORPORATION</p> <p>THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF INTERNATIONAL TRUCK AND ENGINE CORPORATION.</p>	<p>ELECTRICAL CIRCUIT DIAGRAM      CHAPTER 1</p> <p>CIRCUIT DIAGRAM INSTRUCTIONS</p>																																																								
<p>A – SWITCH AND RELAY POSITIONS AS SHOWN ON CIRCUIT DIAGRAMS INDICATE NORMAL POSITION WITH IGNITION OFF UNLESS OTHERWISE NOTED.</p> <div style="display: flex; justify-content: space-around; align-items: flex-start;"> <div style="text-align: center;">  <p>SWITCH: MANUAL/MECHANICAL</p> </div> <div style="text-align: center;">  <p>RELAY – SUPPRESSED</p> </div> <div style="text-align: center;">  <p>SWITCH MAGNETIC GROUND SUPPRESSED</p> </div> </div>	<p>B – MULTIPLE CONNECTIONS ARE DISPLAYED ON SCHEMATIC AS SHOWN. REFER TO CONNECTOR COMPOSITE WITH APPLICABLE NUMBER FOR MORE COMPLETE INFORMATION.</p> <div style="text-align: center;">  <p>12 AND/OR 12</p> <p>SINGLE IN-LINE CONNECTORS DISPLAYED AS SHOWN WITH OR WITHOUT CONNECTOR NUMBER.</p> </div>																																																								
<p>C – PHANTOM LINES INDICATE PRINTED CIRCUITS OR BUSSED CIRCUITS. THESE CIRCUITS EXIST IN THE INSTRUMENT CLUSTERS AND FUSE/CIRCUIT BREAKER CONNECTORS.</p> <div style="display: flex; justify-content: space-around;"> <div style="text-align: center;">  <p>PRINTED CIRCUIT IN INSTRUMENT CLUSTER</p> </div> <div style="text-align: center;">  <p>— LOCATION/CIRCUIT NUMBER WIRE GAUGE/WIRE COLOR</p> <p>BUS IN FUSE/CIRCUIT BREAKER CONNECTOR</p> </div> <div style="text-align: center;">  <p>LOCATION IN FUSE/CIRCUIT BREAKER CONNECTION</p> <p>FUSE RATING 20A</p> </div> </div>	<p>D – MULTIPLE CIRCUIT NUMBERS ON A LINE INDICATE ONE WIRE DISTRIBUTING CURRENT TO TWO CIRCUITS.</p> <div style="text-align: center;">  </div>																																																								
<p>E – SWITCHES, RELAYS AND COMPONENTS INDICATE EXTERNAL WIRE CONNECTIONS AND/OR INTERNAL CONNECTIONS OR CONTACTS.</p> <div style="display: flex; justify-content: space-around;"> <div style="text-align: center;">  <p>WIRE CONNECTION</p> <p>INTERNAL CONNECTION</p> <p>KEY SWITCH</p> </div> <div style="text-align: center;">  <p>WIRE CONNECTION</p> <p>BUSSED CONTACT</p> </div> <div style="text-align: center;">  <p>CONTACT</p> <p>ETHER SWITCH</p> <p>PIGTAIL</p> </div> </div>	<p>F – CIRCUIT "11" DENOTES ANY COMMON GROUND, (MORE THAN ONE CIRCUIT). ANY INDIVIDUAL GROUND CIRCUIT IS IDENTIFIED WITH THAT PARTICULAR CIRCUIT NUMBER. (E.G CIRCUIT 97 CRUISE CONTROL, IS IDENTIFIED PER EXAMPLE).</p> <p>NOTE: FOR CIRCUIT DESCRIPTION OTHER THAN GROUNDS, NEITHER THE LETTER "G" NOR THE COLOR WHITE SHALL BE USED.</p> <p style="text-align: center;">GROUND CIRCUITS ARE DESCRIBED THUS:</p> <div style="display: flex; justify-content: space-around;"> <div style="text-align: center;">  <p>COMMON GROUND CIRCUIT NUMBER</p> <p>SUFFIX G IS NOT A SUFFIX BUT INDICATES A GROUND CIRCUIT.</p> </div> <div style="text-align: center;">  <p>INDIVIDUAL GROUND CIRCUIT NUMBER</p> <p>SUFFIX G IS NOT A SUFFIX BUT INDICATES A GROUND CIRCUIT.</p> </div> </div>																																																								
<table border="1" style="width: 100%; border-collapse: collapse; font-size: small;"> <tr> <th>CHK</th> <th>DATE</th> <th>CHANGE</th> <th>REV</th> <th>REFERENCE</th> <th>DRAWN</th> <th>NAME</th> </tr> <tr> <td>PEC</td> <td>16JAN01</td> <td>PRODUCTION RELEASE.</td> <td>A</td> <td>P54304U</td> <td>U00DLCK</td> <td>42/43/44/85/8600 &amp; 73/74/7500 CIRC DIAGRAMS</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td>RELEASE NO.</td> <td>DATE</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td>P52778H</td> <td>15MAY00</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>PART NO.</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>AE08-52365</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>SHEET</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>07</td> </tr> </table>		CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME	PEC	16JAN01	PRODUCTION RELEASE.	A	P54304U	U00DLCK	42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS						RELEASE NO.	DATE						P52778H	15MAY00							PART NO.							AE08-52365							SHEET							07
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Figure 7 Circuit Diagram Instructions









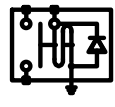










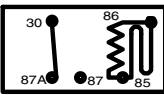



2.8. CIRCUIT DIAGRAM INSTRUCTIONS, P. 8

INTERNATIONAL TRUCK AND ENGINE CORPORATION			ELECTRICAL CIRCUIT DIAGRAM			CHAPTER 1																																																																																																																																												
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					RELEASE NO.	DATE	PART NO.	SHEET																																																																																																																																										
					P52778H	10AUG00	AE08-52365	08																																																																																																																																										

Figure 8 Circuit Diagram Instructions (Cont.)



2.9. SCHEMATIC SYMBOL CHART, P. 9

INTERNATIONAL TRUCK AND ENGINE CORPORATION					ELECTRICAL CIRCUIT DIAGRAM		
THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF INTERNATIONAL TRUCK AND ENGINE CORPORATION.					CHAPTER 1		
SYMBOL					SCHEMATIC SYMBOL CHART		
DESCRIPTION					DESCRIPTION		
	MALE/FEMALE IN-LINE CONNECTION				HORN		
	FEMALE TERMINAL						
	MALE TERMINAL				SPEAKER - SOUND SYSTEM		
	GROUND						
	FUSE				MAGNETIC SWITCH		
	LIGHT EMITTING DIODE						
	RESISTOR				LIGHT - SINGLE FILAMENT		
	SWITCH CONTACT, NORMALLY OPEN						
	SWITCH CONTACT, NORMALLY CLOSED				LIGHT - DOUBLE FILAMENT		
	JUNCTION POINT						
	SPLICE				SENDER - OIL, WATER, FUEL, TEMPERATURE		
	SWITCH-PRESSURE						
	SWITCH-MANUAL/MECHANICAL						
	RELAY-SUPPRESSED						
	SOLENOID - GENERAL USAGE						
	MOTOR - ELECTRIC						
	CIGAR LIGHTER						

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
PEC	16JAN01	PRODUCTION RELEASE.	A	P54304U	U00DLCK	42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS
					RELEASE NO.	DATE
					P52778H	19MAY00
						PART NO.
						AE08-52365
						SHEET
						09

Figure 9 Schematic Symbol Chart

2.10. RELAY FUNCTIONS, P. 10

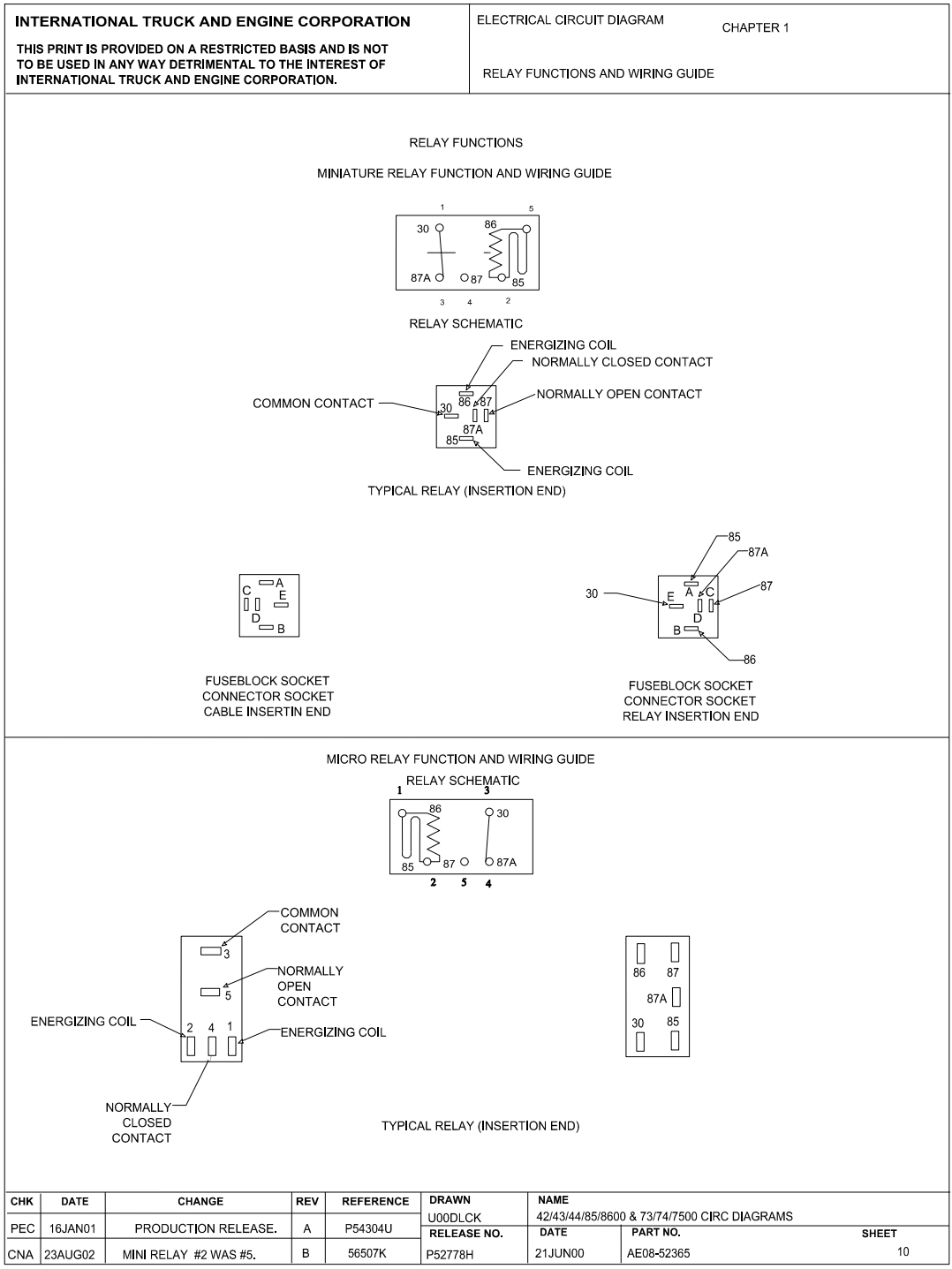


Figure 10 Relay Functions

2.11. LAMP BULB CHART, P. 11

INTERNATIONAL TRUCK AND ENGINE CORPORATION				ELECTRICAL CIRCUIT DIAGRAM CHAPTER 1				
THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF INTERNATIONAL TRUCK AND ENGINE CORPORATION.				LAMP BULB CHART				
BULB APPLICATION		CANDLEPOWER OR WATTS		BULB TRADE NUMBER				
BACK-UP LIGHTS		32 CANDLEPOWER		GE1156				
CLEARANCE & IDENTIFICATION		3 CANDLEPOWER		GE193				
COURTESY LIGHT		3 CANDLEPOWER		GE168				
DOME LIGHTS		12 CANDLEPOWER		GE561				
FOG LIGHTS		55 CANDLEPOWER		VH550				
HEAD LIGHTS:								
LOW BEAMS		65 WATTS		GE9007				
HIGH BEAMS		65 WATTS		GE9007				
INSTRUMENT CLUSTER:								
GAUGE BACK LIGHT				082S270538-3				
GAUGE WARNING LED (RED)				082S272109-3				
RANGE INHIBIT LED (YELLOW)				082S272109-4				
COLD AMBIENT PROTECTION LED (YELLOW)				082S272109-4				
FUEL FILTER LED (YELLOW)				082S272109-4				
WARN ENGINE LED (YELLOW)				082S272109-4				
STOP ENGINE LED (RED)				082S272109-3				
BRAKE PRESSURE LED (RED)				082S272109-3				
BRAKE FLUID LED (RED)				082S272109-3				
WAIT TO START LED (YELLOW)				082S272109-4				
CHECK TRANSMISSION LED (YELLOW)				082S272109-4				
TRAILER ABS LED (YELLOW)				082S272109-4				
WASHER FLUID LED (YELLOW)				082S272109-4				
LEFT TURN SIGNAL LED (GREEN)				082S272109-2				
TRACTION CONTROL LED (GREEN)				082S272109-2				
WATER IN FUEL LED (YELLOW)				082S272109-4				
PARK FLUID LED LIGHT (RED)				082S272109-3				
CHECK ELECTRICAL SYSTEMS LED (YELLOW)				082S272109-4				
PARK BRAKE LED (RED)				082S272109-3				
CRUISE CTRL ACTIVE LED (GREEN)				082S272109-2				
ANTILOCK BRAKING SYSTEM LED (YELLOW)				082S272109-4				
RIGHT TURN LED (GREEN)				082S272109-2				
COOLANT LEVEL LED (RED)				082S272109-3				
SEAT BELT LED (RED)				082S272109-3				
HIGH BEAM ICON LED (BLUE)				082S272109-5				
CHECK AIR CONDITIONER LED (YELLOW)				082S272109-4				
RETARD OVER HEAT LED (RED)				082S272109-3				
PTO/THROTTLE LED (RED)				082S272109-3				
MAP LIGHT		3 CANDLEPOWER		1816				
SIDE MARKER				2458				
STOP & TURN/TAIL & LICENSE PLATE		32/3 CANDLEPOWER		1157				
TURN SIGNAL/MARKER (FENDER)				3157				
TURN SIGNAL & MARKER LIGHT				2356				
WORK (TRAILER HOOK-UP) LIGHT				4411				
CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME		
PEC	16JAN01	PRODUCTION RELEASE	A	P54304U	U00DLCK	42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS		
					RELEASE NO.	DATE	PART NO.	
PEC	18JUN01	REVISED DRWG SHEET.	B	P54634F	P52778H	20JUN00	AE08-52365	
							SHEET	11

Figure 11 Lamp Bulb Chart

2.12. INTERNATIONAL V8 AND I6 ECM CONTROLLER CONNECTORS PIN NUMBER IDENTIFICATION, P. 12

INTERNATIONAL TRUCK AND ENGINE CORPORATION <small>THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF INTERNATIONAL TRUCK AND ENGINE CORPORATION.</small>				ELECTRICAL CIRCUIT DIAGRAM    CHAPTER 1 INTERNATIONAL V8 & I6 ECM CONTROLLER CONN. PIN NUMBER IDENTIFICATION			
CONNECTOR X3 REFERENCE (6020)				CONNECTOR X4 REFERENCE (6021)			
ECM PIN#	TERM	DESCRIPTION		ECM PIN#	TERM	DESCRIPTION	
1	FPM	FUEL PUMP MONITOR		1	KL.87	BATTERY POWER	
2	FLI	FUEL LEVEL INDICATOR		2	KL.87	BATTERY POWER	
3	KL.15	IGNITION FEED		3		NOT POPULATED	
4	ECL	ENGINE COOLANT LEVEL		4	VBREF	SENSOR REFERENCE VOLTAGE	
5	MPR	MAIN POWER RELAY		5		NOT POPULATED	
6	KL.31	GROUND		6	LSI_SPARE2	LOW SPEED INPUT 2	
7	KL.31	GROUND		7		NOT POPULATED	
8	DDS	DRIVELINE DISENGAGE SWITCH		8		NOT POPULATED	
9	FPC	FUEL PUMP CONTROL		9	VSS-	VEHICLE SPEED SENSOR-	
10	TCSS	TORQUE CURVE SELECT SWITCH		10	VSS+	VEHICLE SPEED SENSOR+	
11	TACH	TACHOMETER CONTROL		11		NOT POPULATED	
12	CANI+	DRIVETRAIN J1939 DATALINK +		12	IVS	IDLE VALIDATION SWITCH	
13	CAV1-	DRIVETRAIN J1939 DATALINK -		13		NOT POPULATED	
14	RAS	RESUME/ACCELERATE		14	EFAN	ELECTRIC FAN CONTROL	
15	CANI-SHLD	DRIVETRAIN J1939 DATALINK SHLD		15	LSO_SPARE4	LOW SIDE OUTPUT 4	
16		NOT POPULATED		16		NOT POPULATED	
17	VSS-CAL	VEHICLE SPEED SENSOR CALIBRATION		17		NOT POPULATED	
18	VRE	VEHICLE RETARDER ENABLE		18	APS	ACCELERATION POSITION SENSOR	
19	RPRE	REMOTE PRESET PTO ENABLE		19		NOT POPULATED	
20	RVAR	REMOTE VARIABLE PTO ENABLE		20	ATA+	J1708 DATALINK +	
21	SCS	SET/COAST		21	ATA-	J1708 DATALINK -	
22	ESHTR	ELECTRONIC SHUTTER RELAY		22		NOT POPULATED	
23	ECI	ENGINE CRANK INHIBIT		23	GSC	GENSET SPEED CONTROL	
24	BAP	BAROMETRIC AIR PRESSURE		24	KL.318	SENSOR REFERENCE GROUND	

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
2	05EPO5	CONVERSION FROM SABER TO UG	C	59756E	UOODLCK	42/43/44/85/8800 & 73/74/7500 CIRC DIAGRAMS
					RELEASE NO.	DATE
					52778H	16JANO1
						PART NO.
						AE08-52365
						SHEET
						12

Figure 12 International V8 and I6 ECM Controller Connectors Pin Number Identification

# 12 VOLT POWER DISTRIBUTION CIRCUIT DIAGRAMS (CHAPTER 2)

## 3.1. ACCESSORY, P. 1

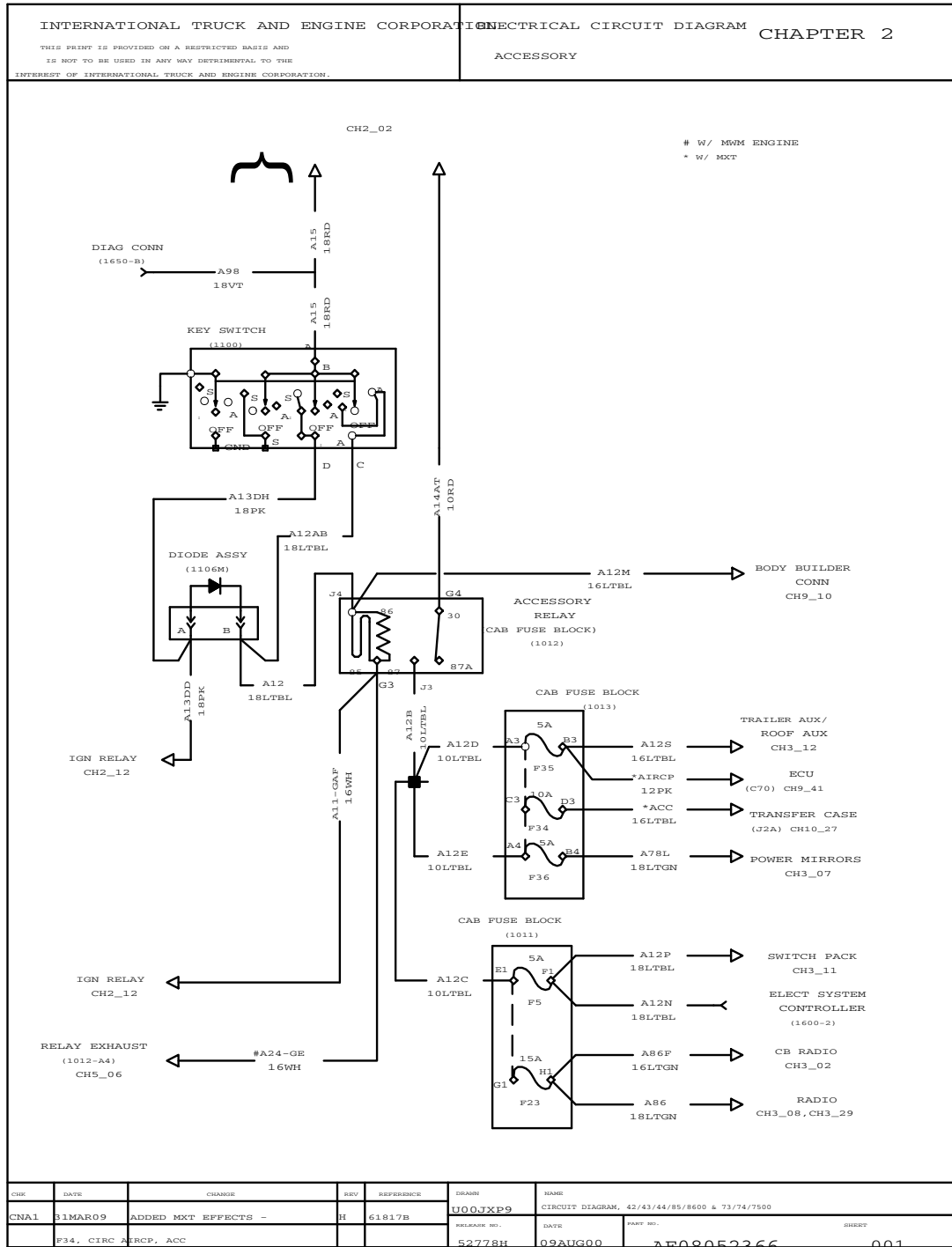


Figure 13 Accessory

3.2. BATTERY FEEDS, CAB, P. 2

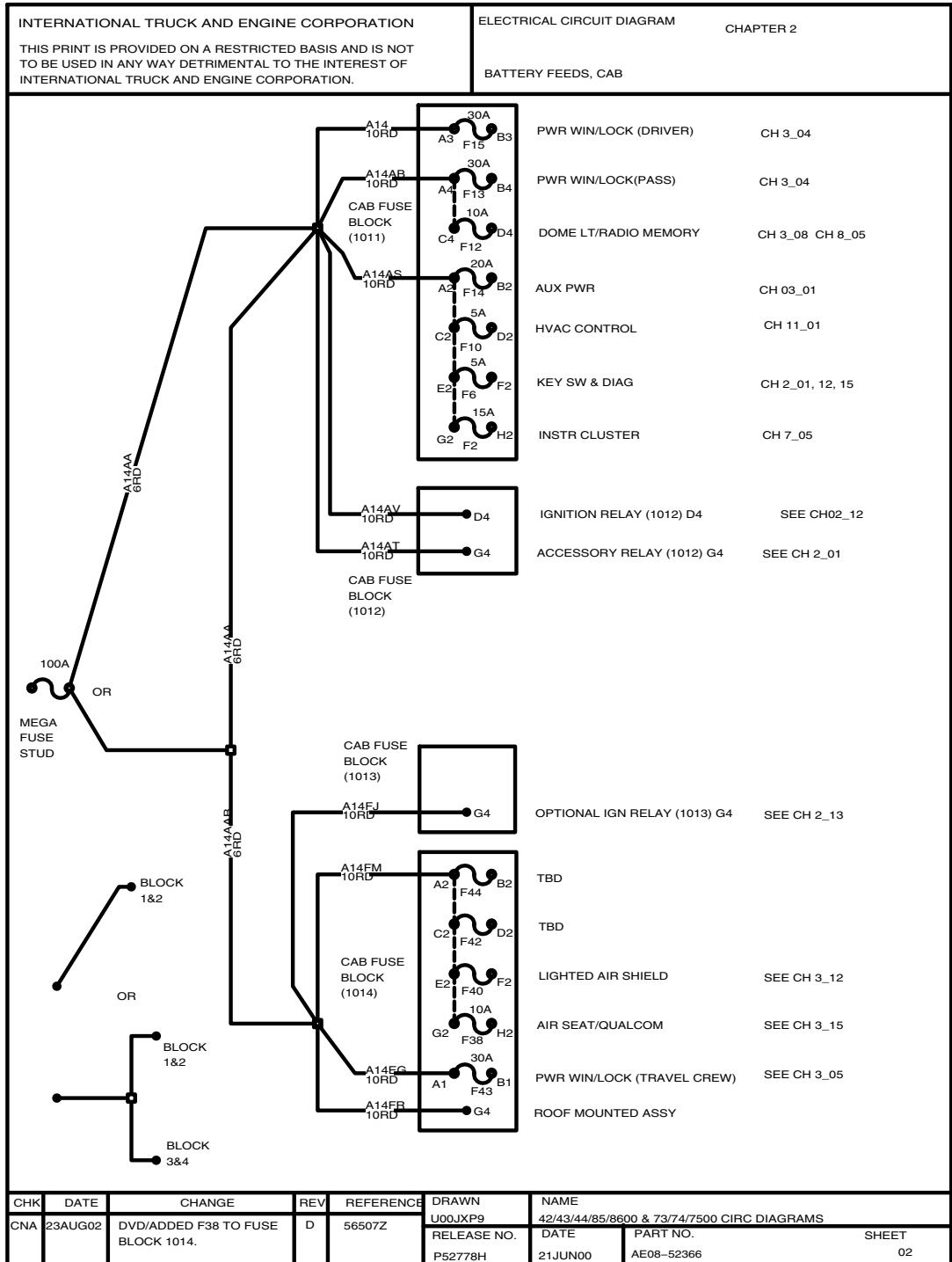


Figure 14 Battery Feeds, Cab

3.3. BATTERY, P. 3

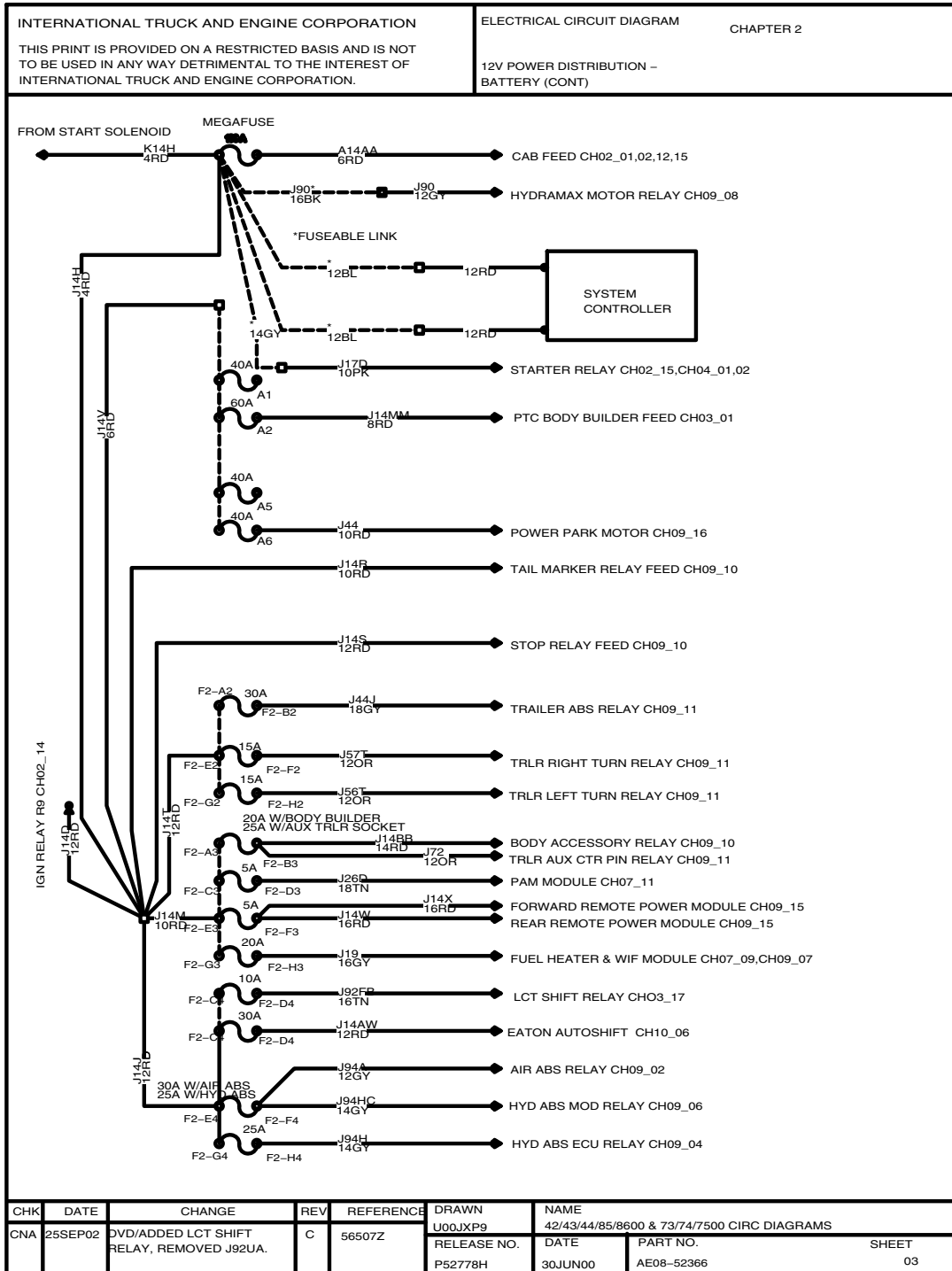


Figure 15 Battery

3.4. 1708 DATA LINK CHASSIS, P. 4

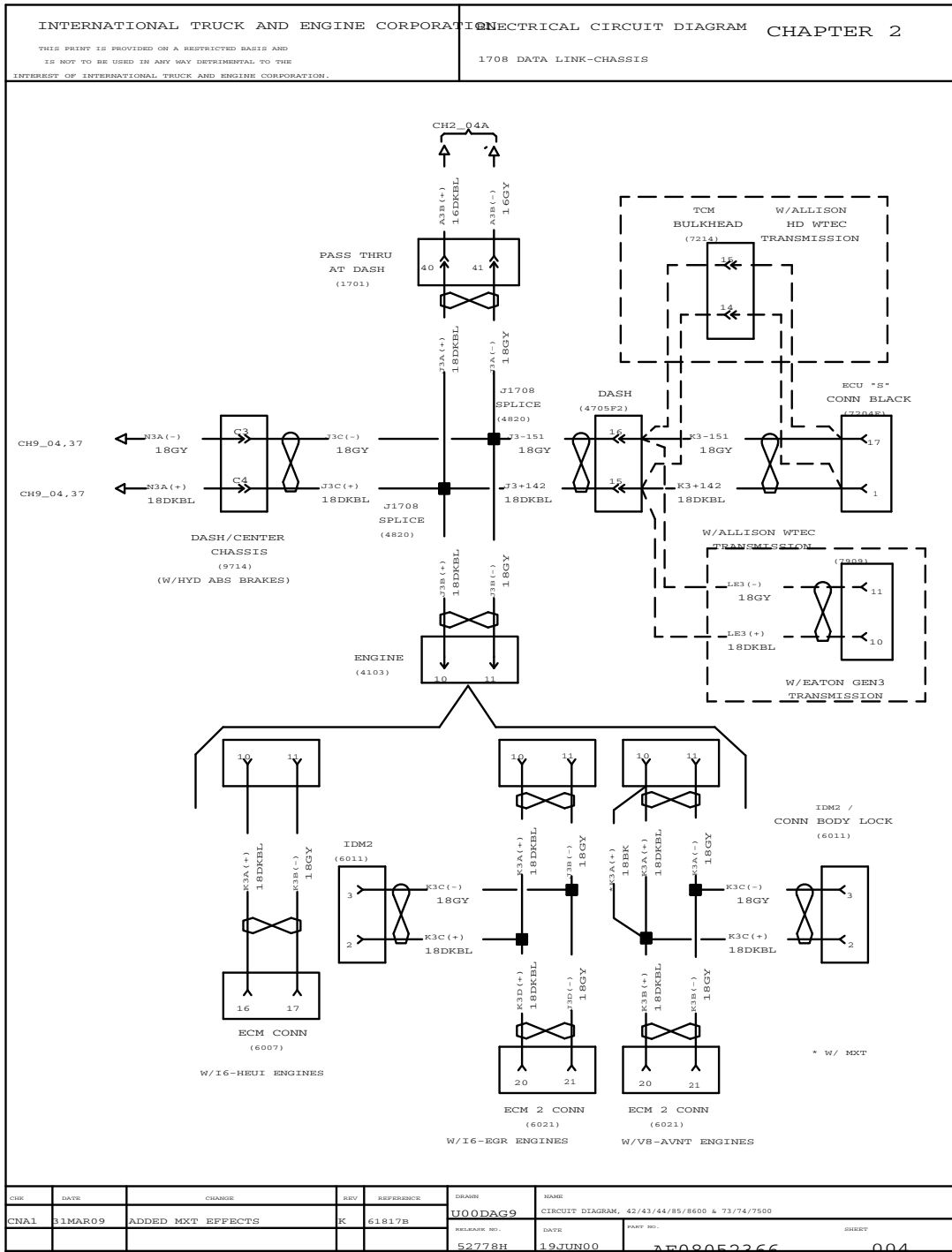


Figure 16 1708 Data Link Chassis



3.5. SWITCH DATA LINK, P. 5

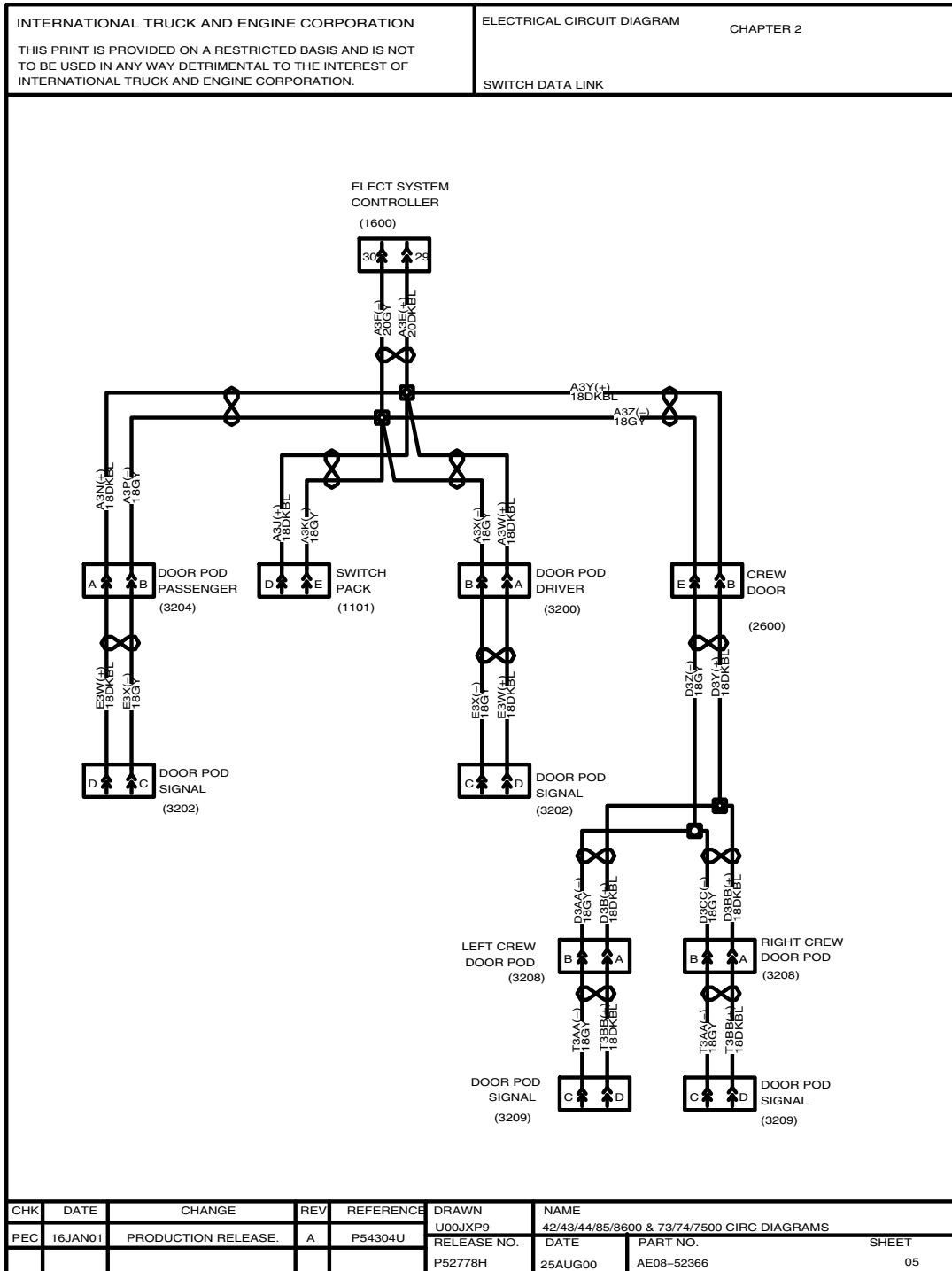


Figure 17 Switch Data Link

3.6. DRIVETRAIN 1939 DATA LINK (CAB), P. 6

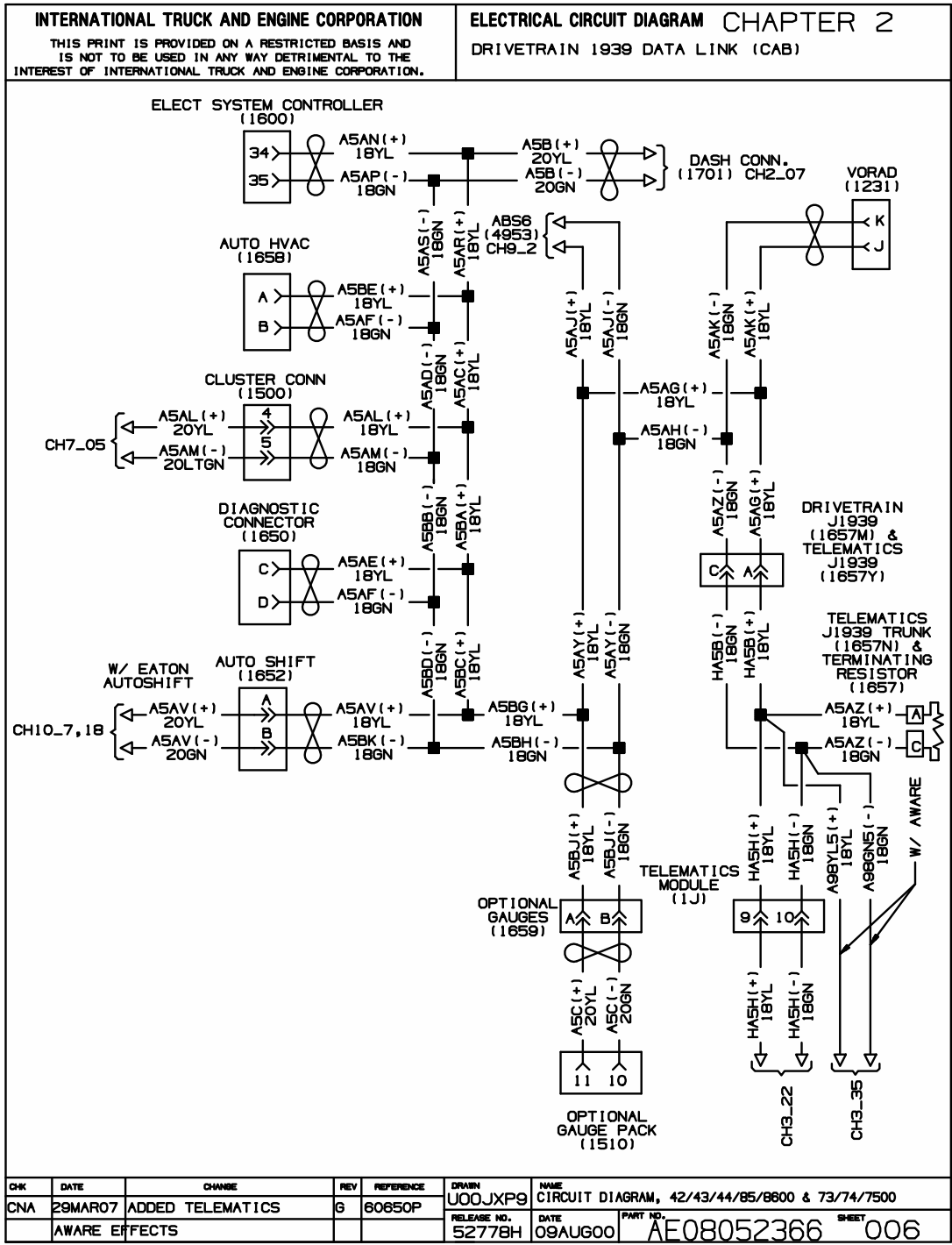


Figure 18 Drivetrain 1939 Data Link (Cab)

3.7. DRIVETRAIN 1939 DATA LINK (CHASSIS), P. 7

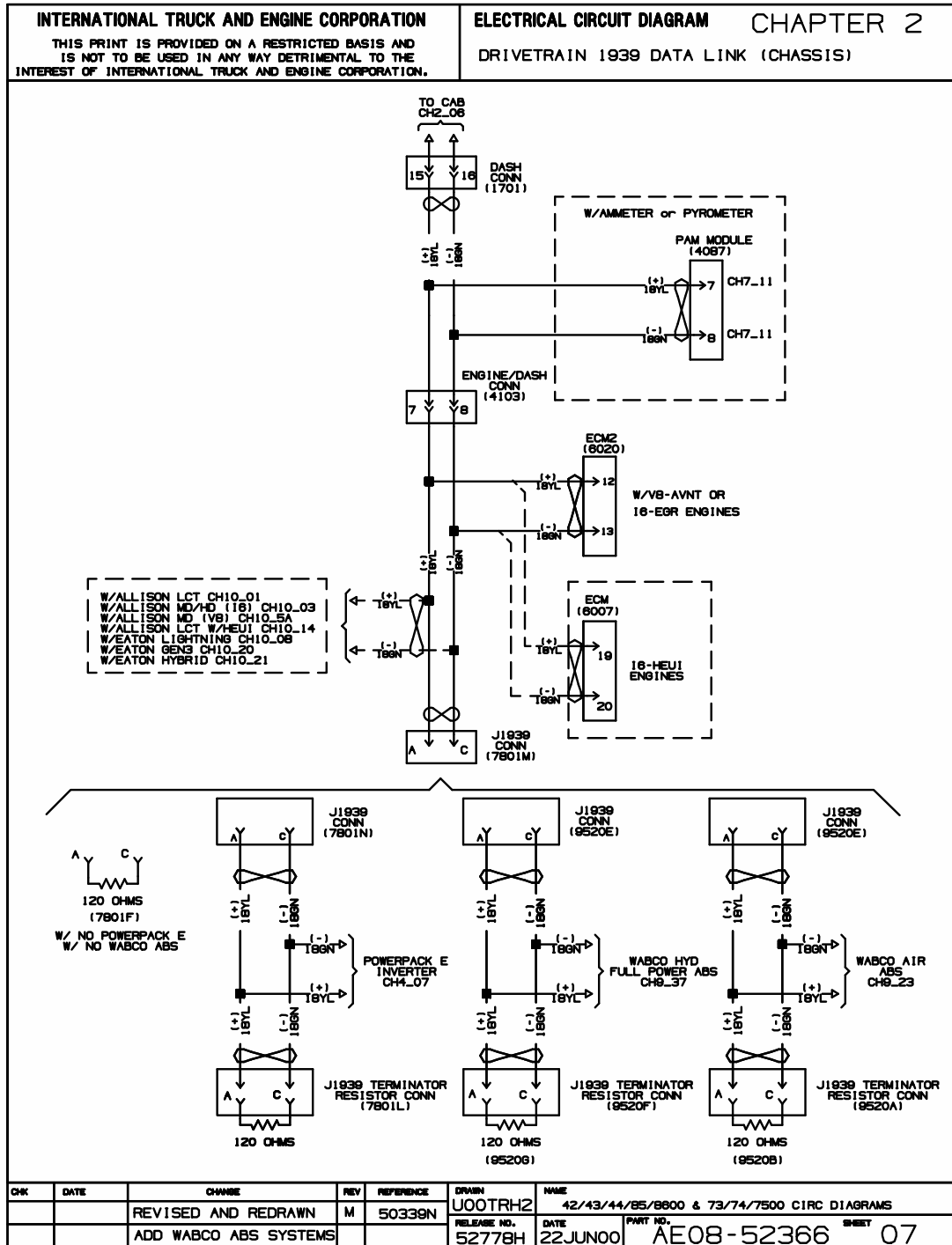


Figure 19 Drivetrain 1939 Data Link (Chassis)

3.8. GROUNDS CHASSIS, P. 8

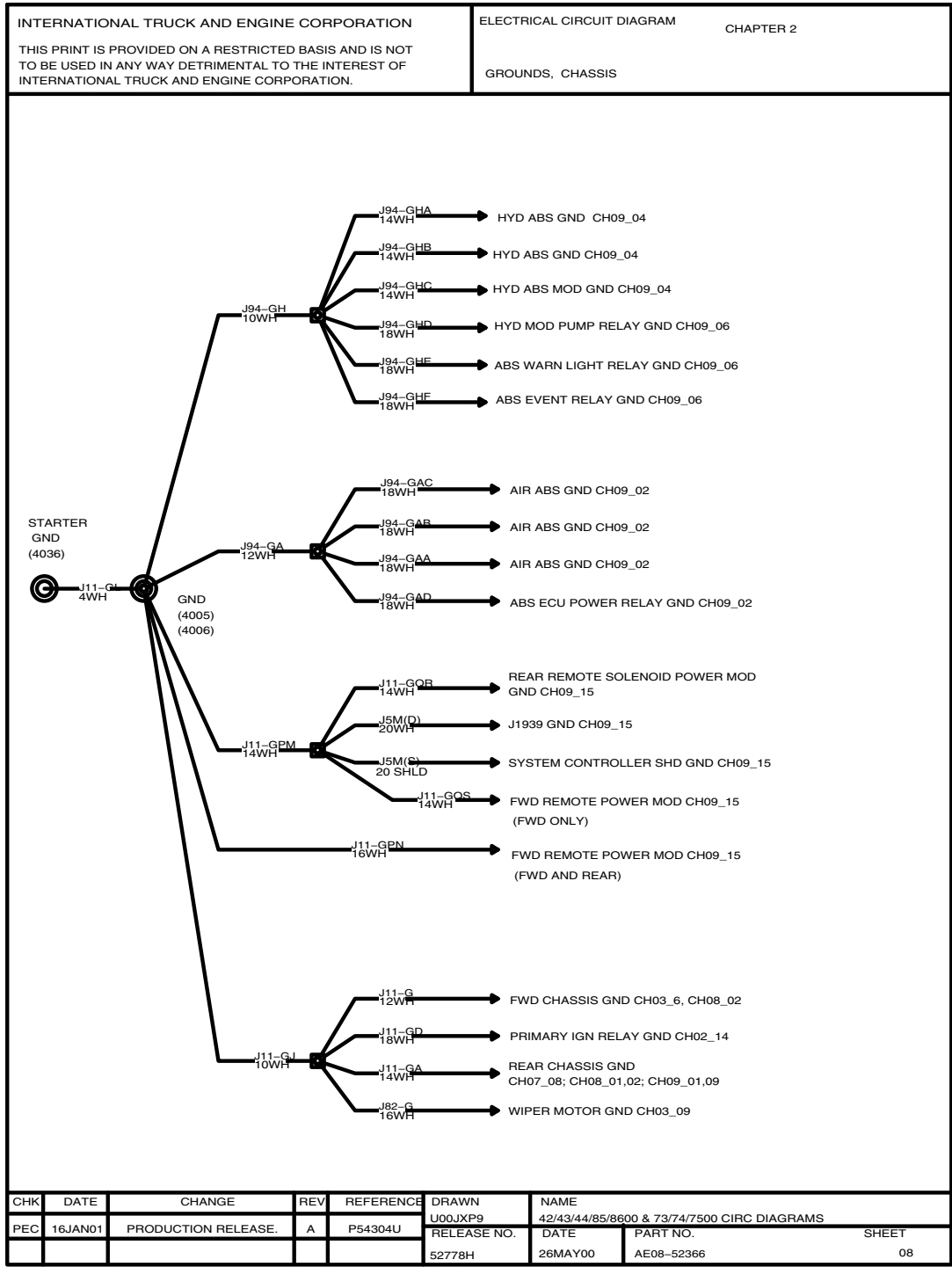


Figure 20 Grounds Chassis

3.9. GROUNDS CHASSIS, P. 9

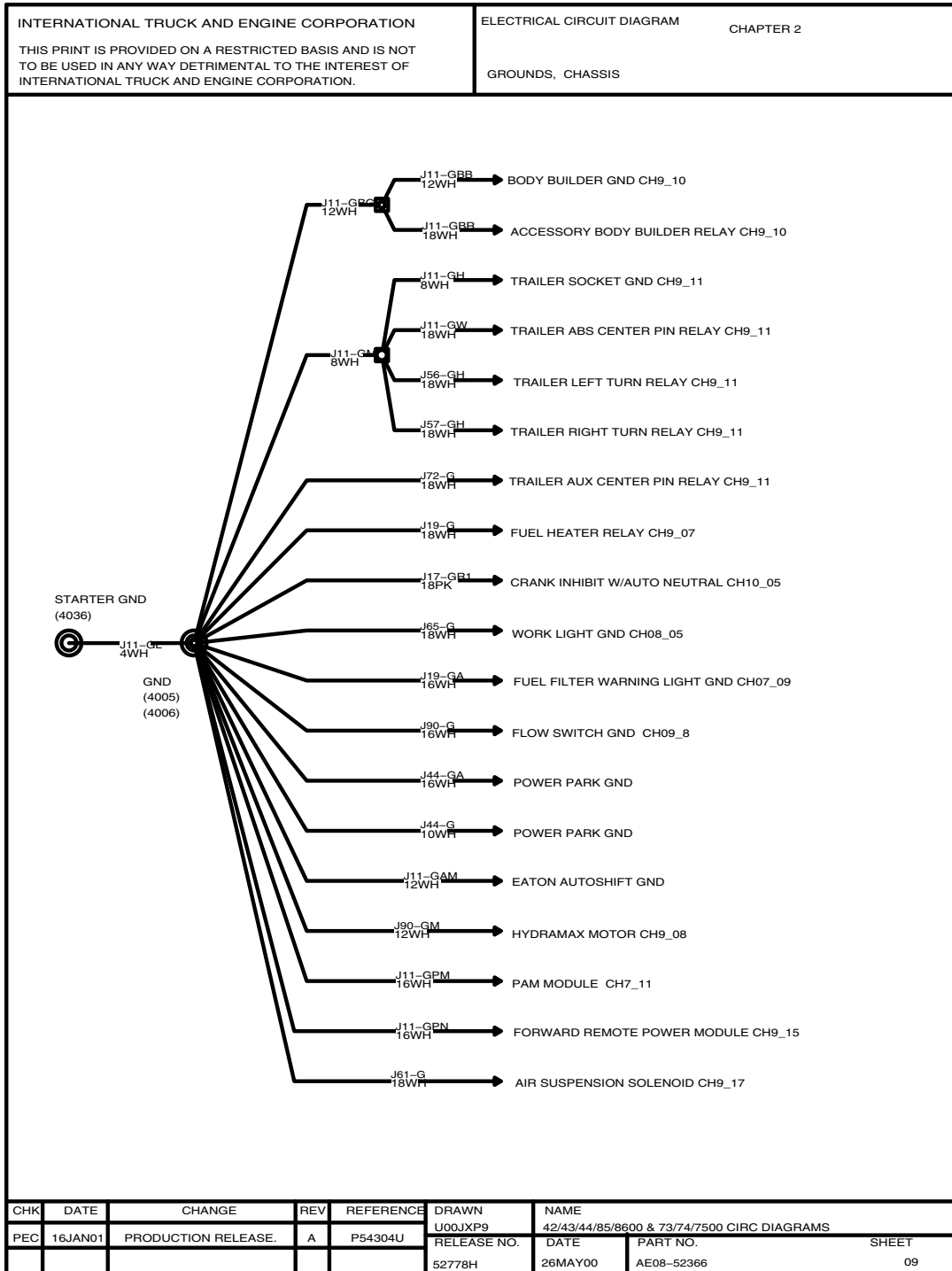


Figure 21 Grounds Chassis (Cont.)

3.10. GROUNDS IP, P. 10

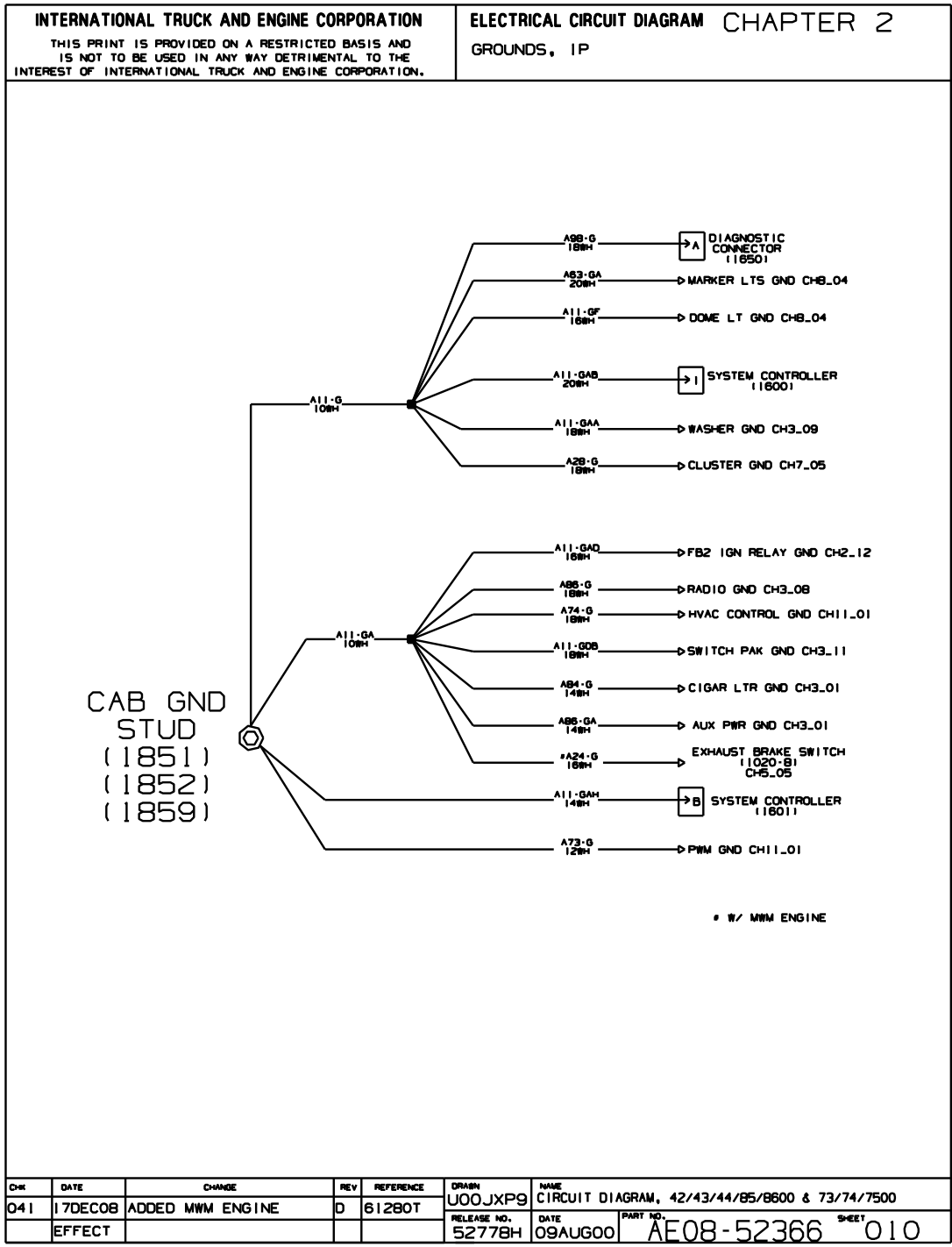


Figure 22 Grounds IP

3.11. GROUNDS IP, P. 11

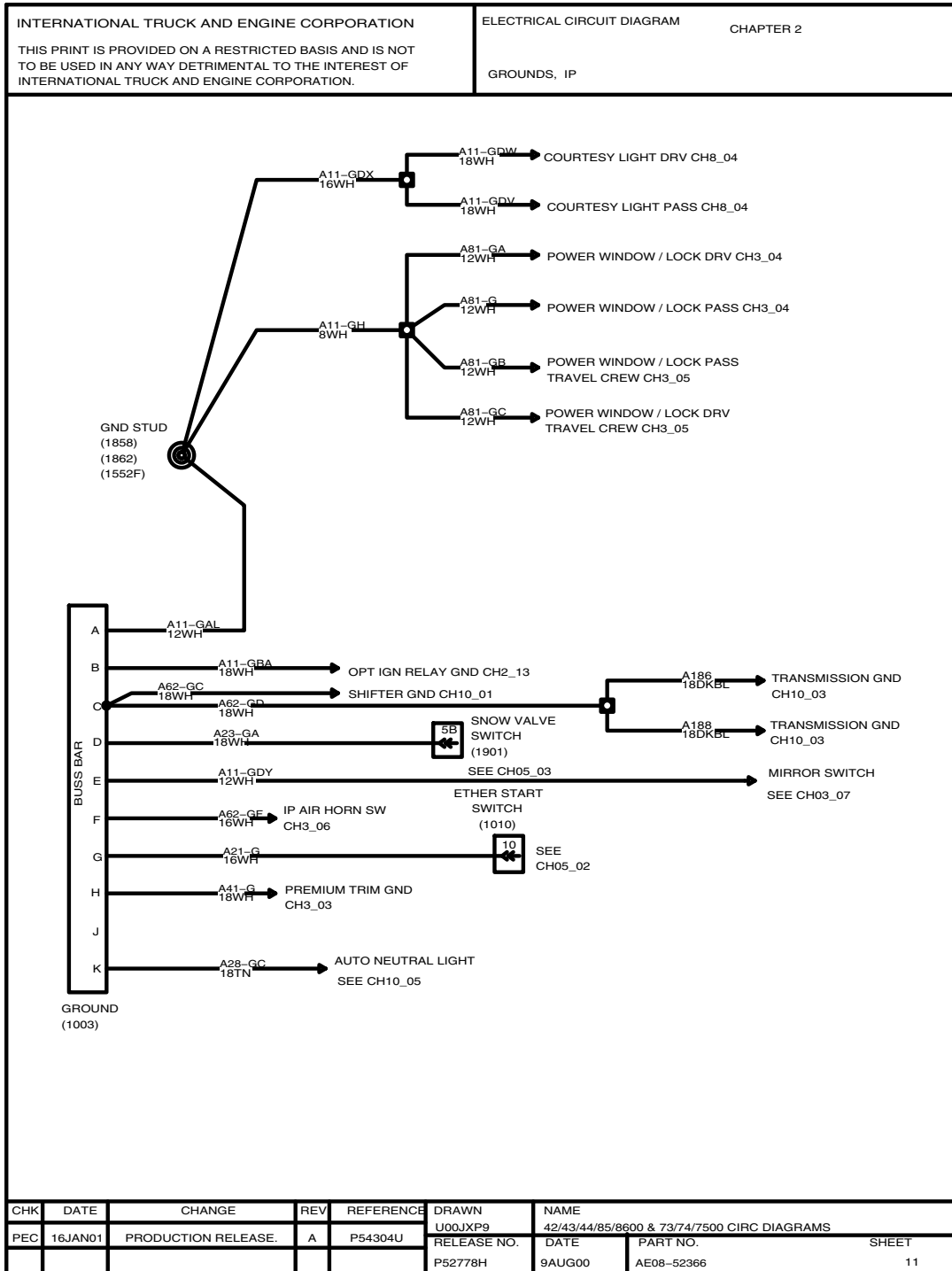


Figure 23 Grounds IP

3.12. IGNITION CAB, P. 12

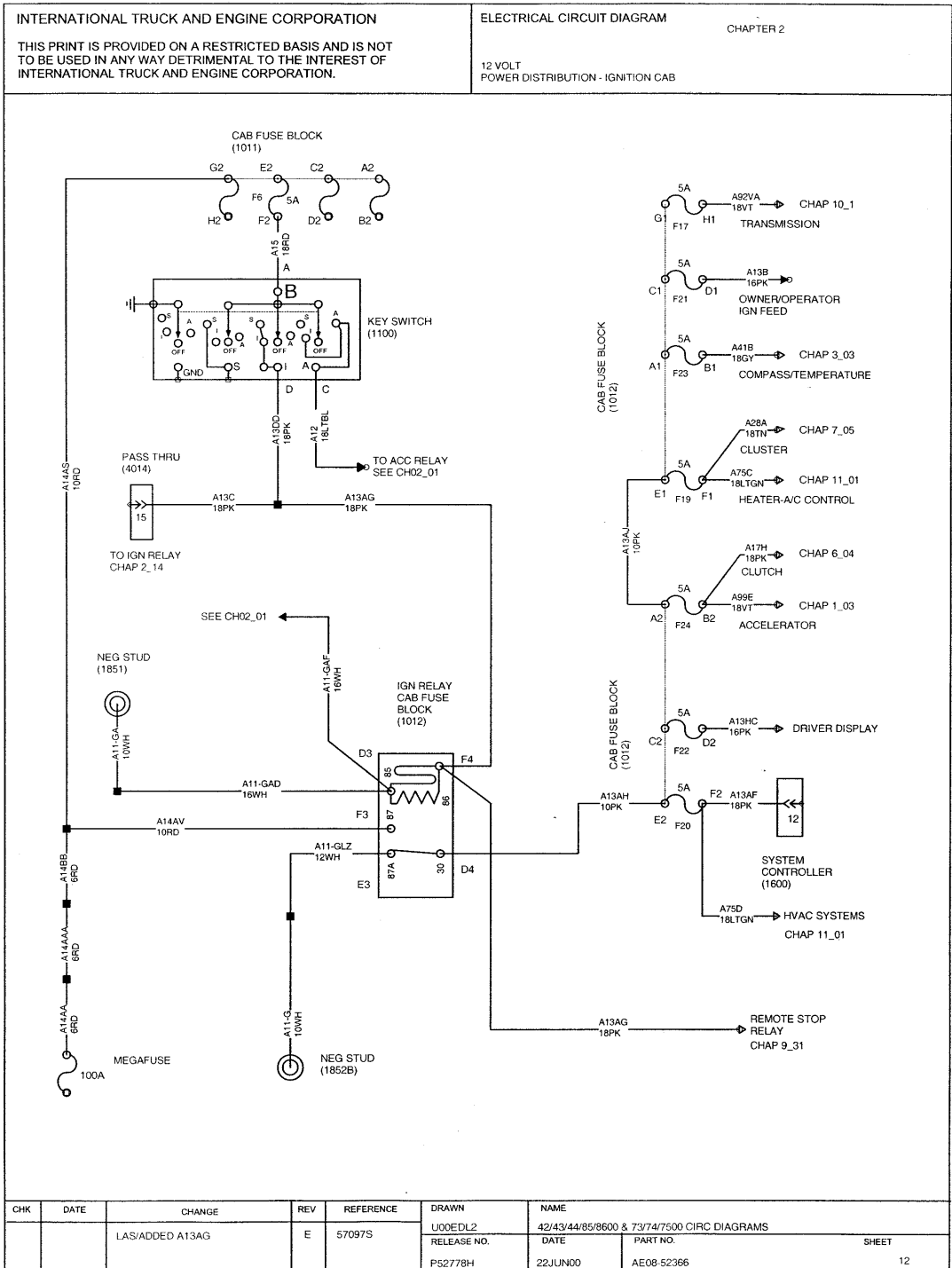


Figure 24 Ignition Cab



3.13. IGNITION CAB, P. 13

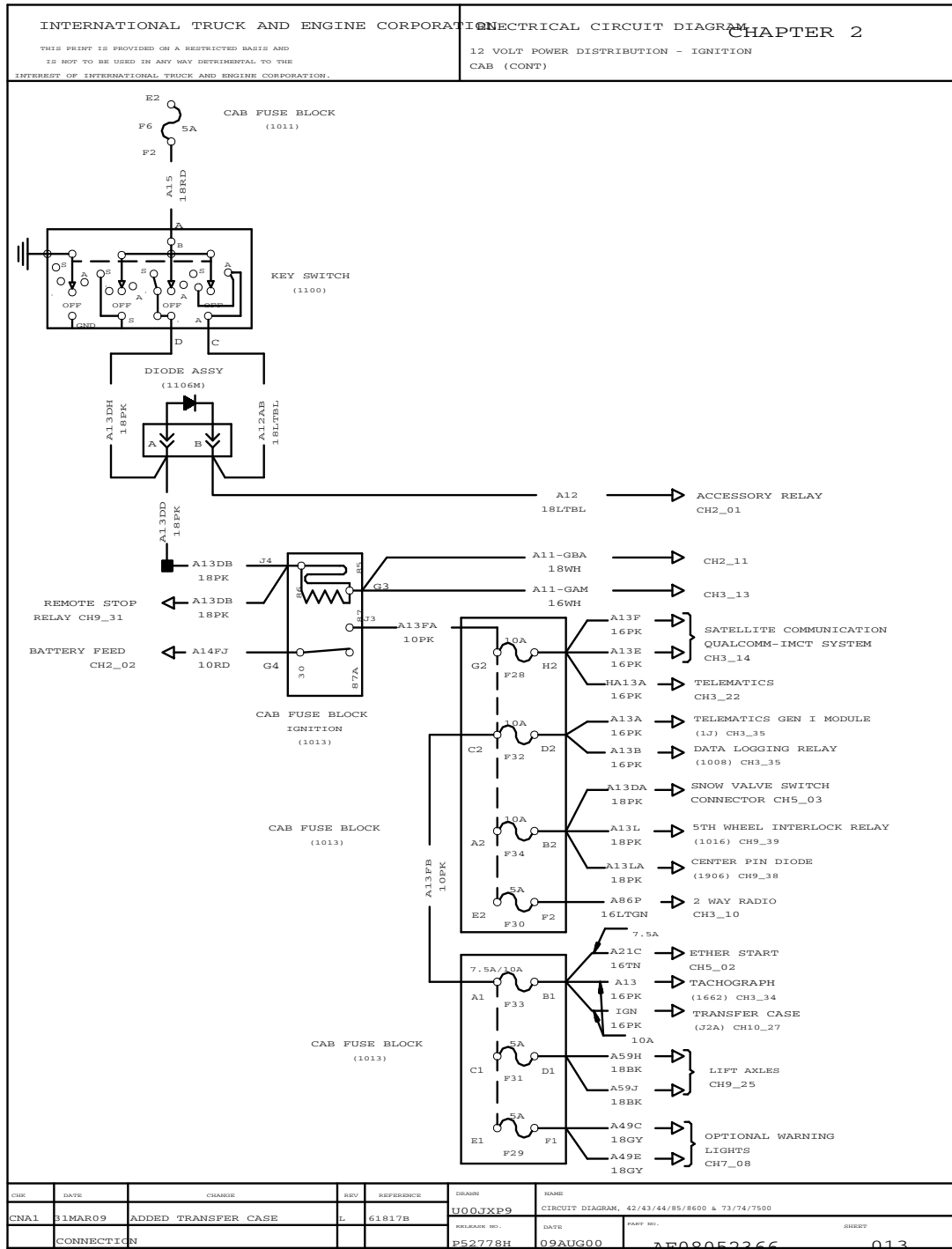


Figure 25 Ignition Cab (Cont.)

3.14. IGNITION FEEDS, CHASSIS, P. 14

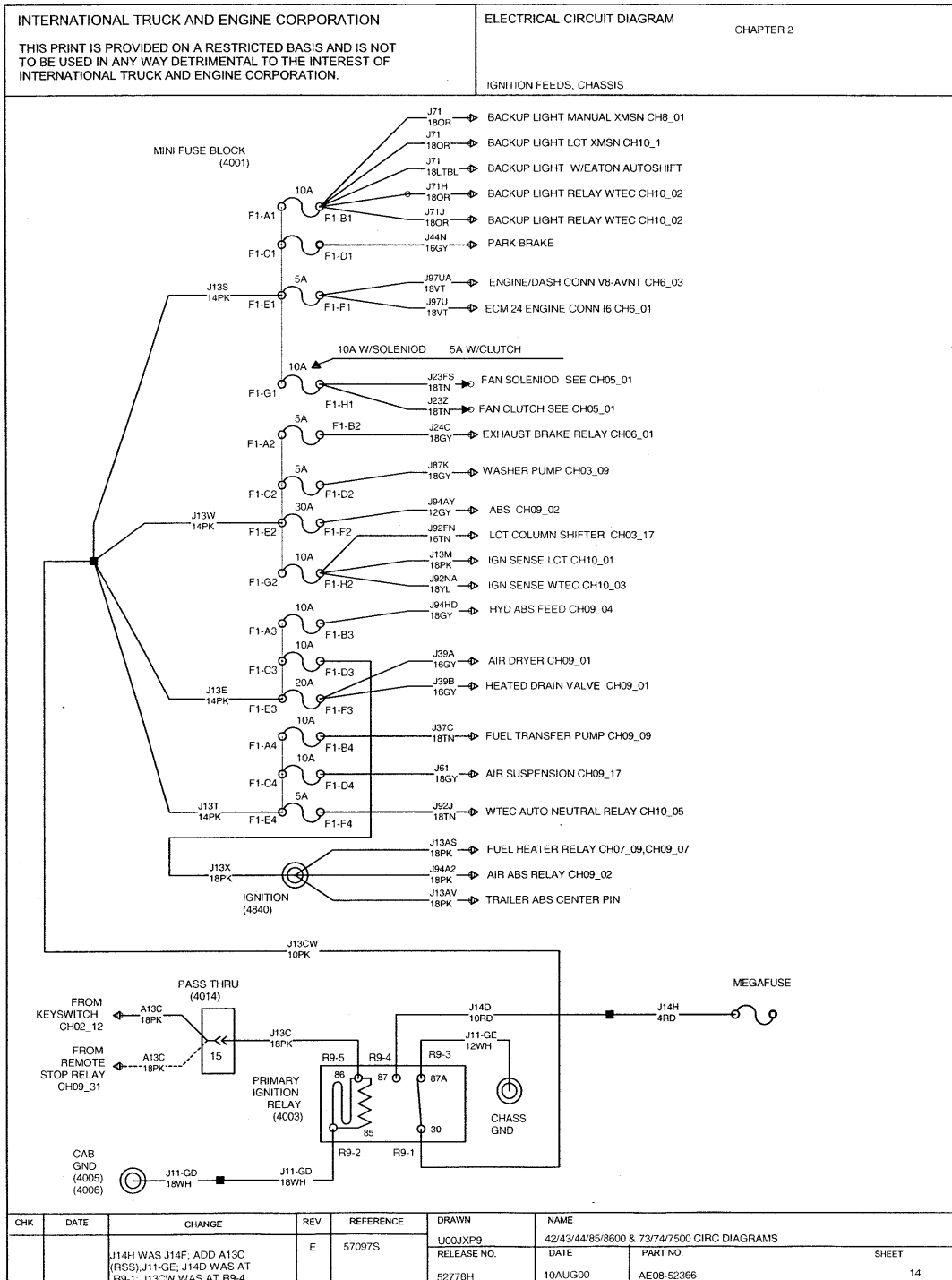


Figure 26 Ignition Feeds, Chassis

3.15. START, P. 15

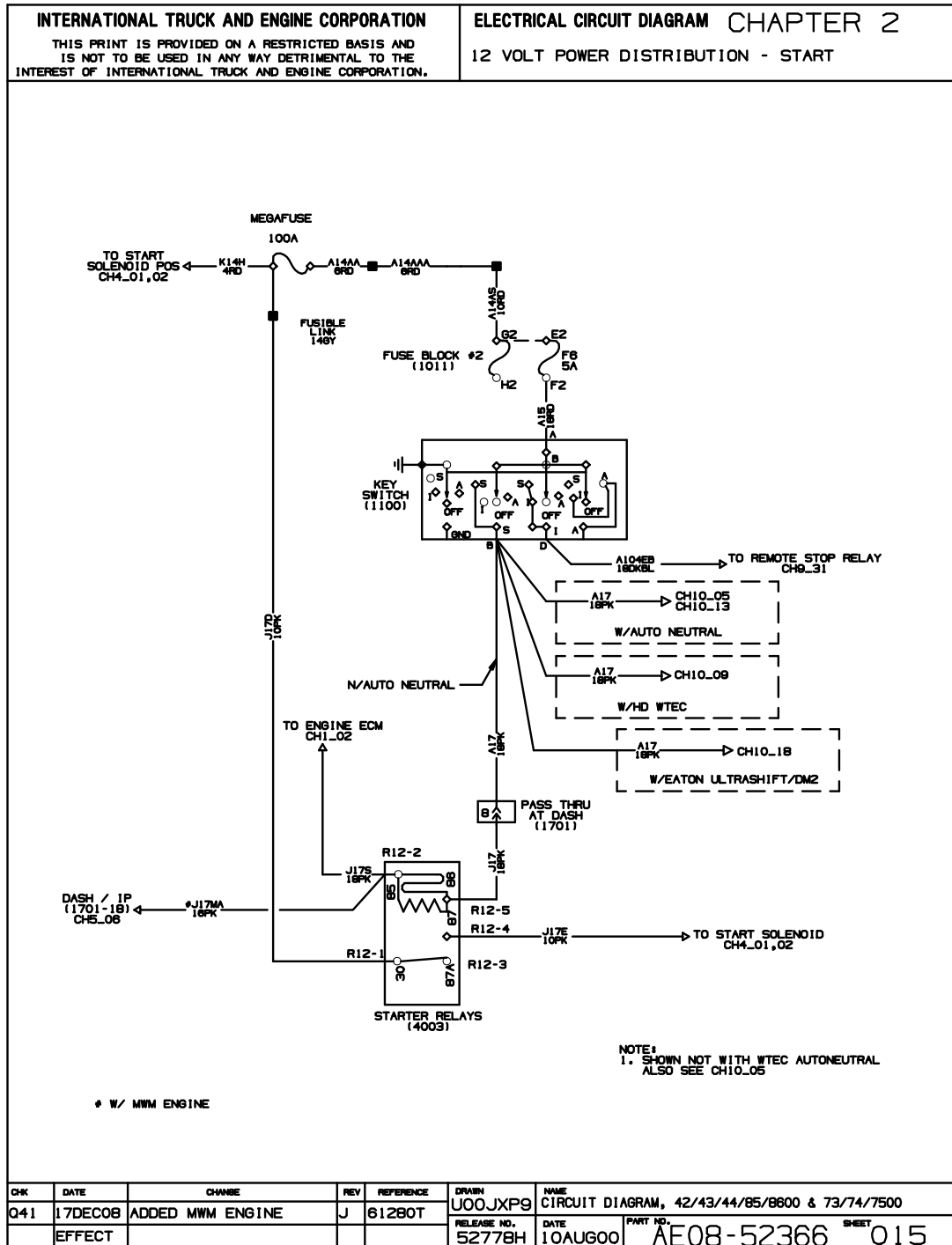


Figure 27 Start

## CAB ACCESSORIES (CHAPTER 3)

### 4.1. CIGAR LIGHTER AND POWER FEEDS, P. 1

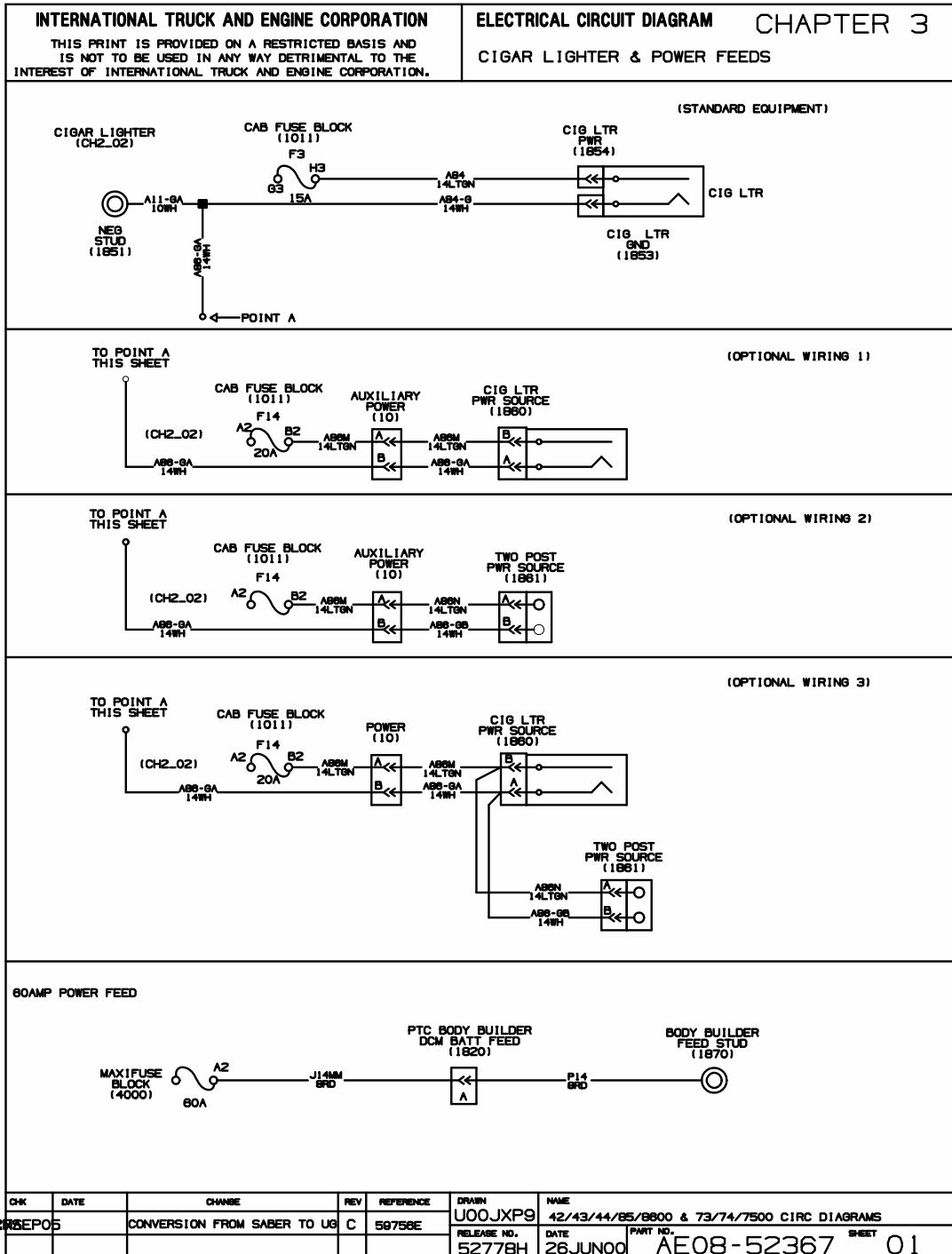


Figure 28 Cigar Lighter and Power Feeds

4.2. CB POWER, P. 2

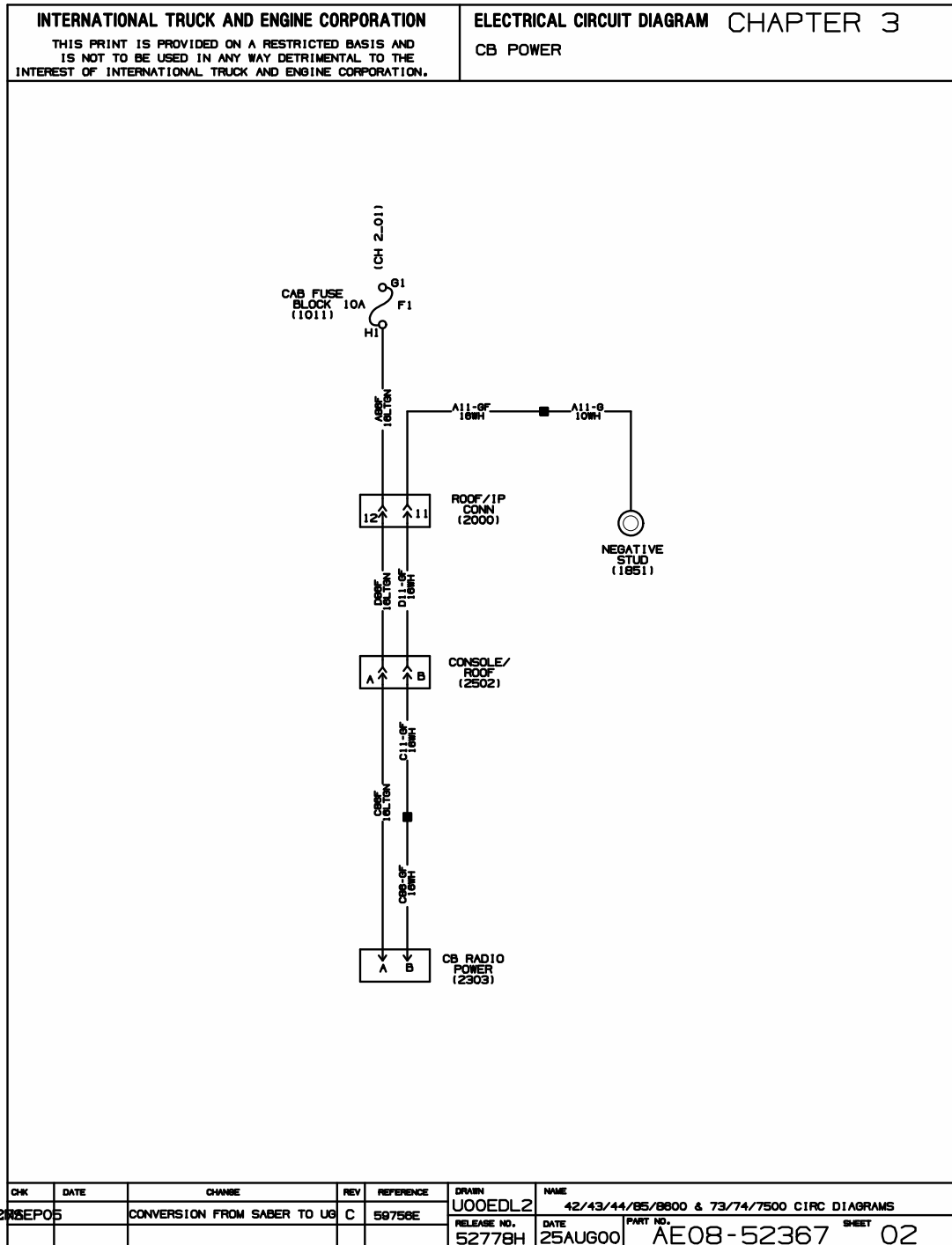


Figure 29 CB Power

4.3. COMPASS AND TEMPERATURE DISPLAY, P. 3

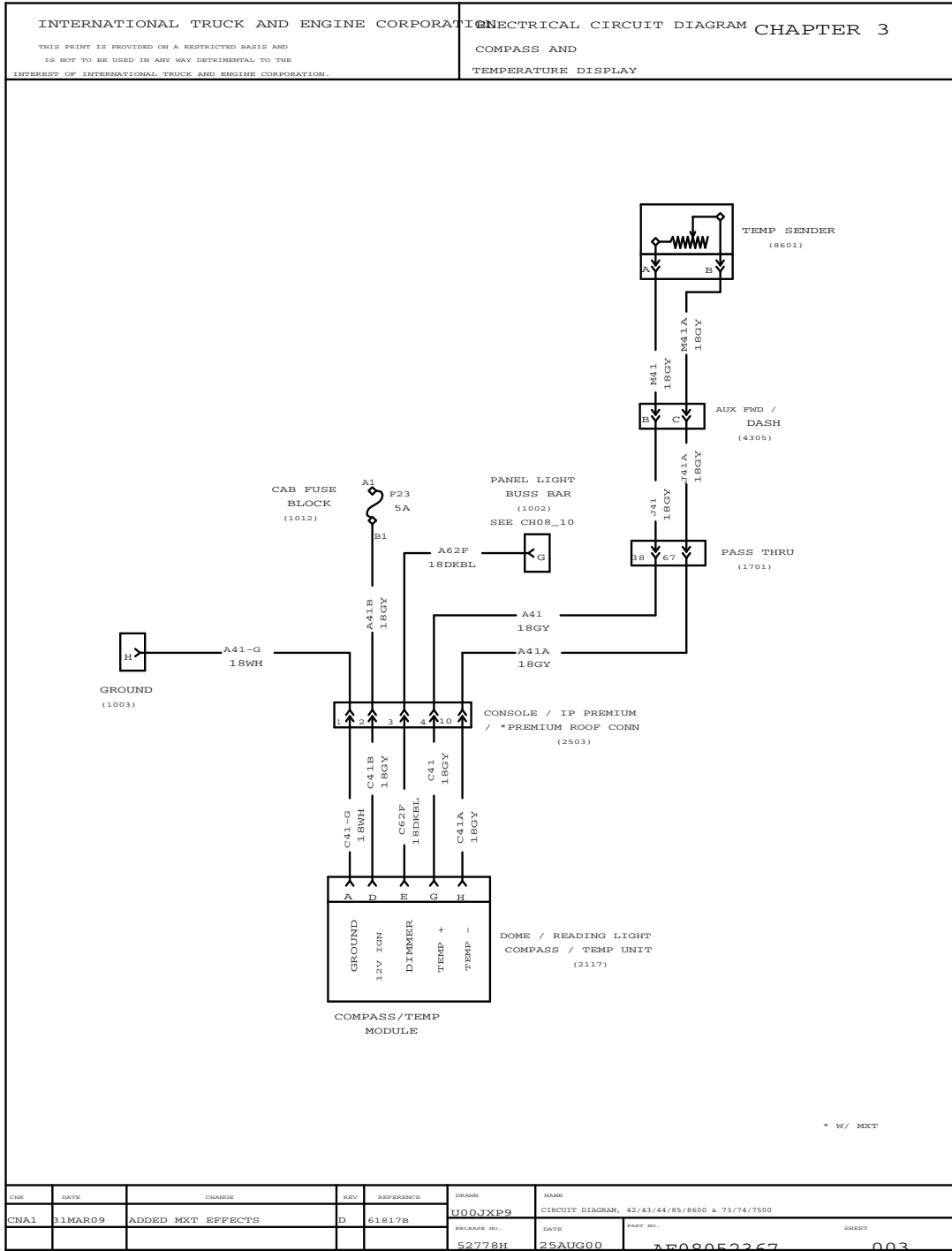


Figure 30 Compass and Temperature Display

4.4. FRONT DOORS WINDOWS AND LOCKS (POWER), P. 4

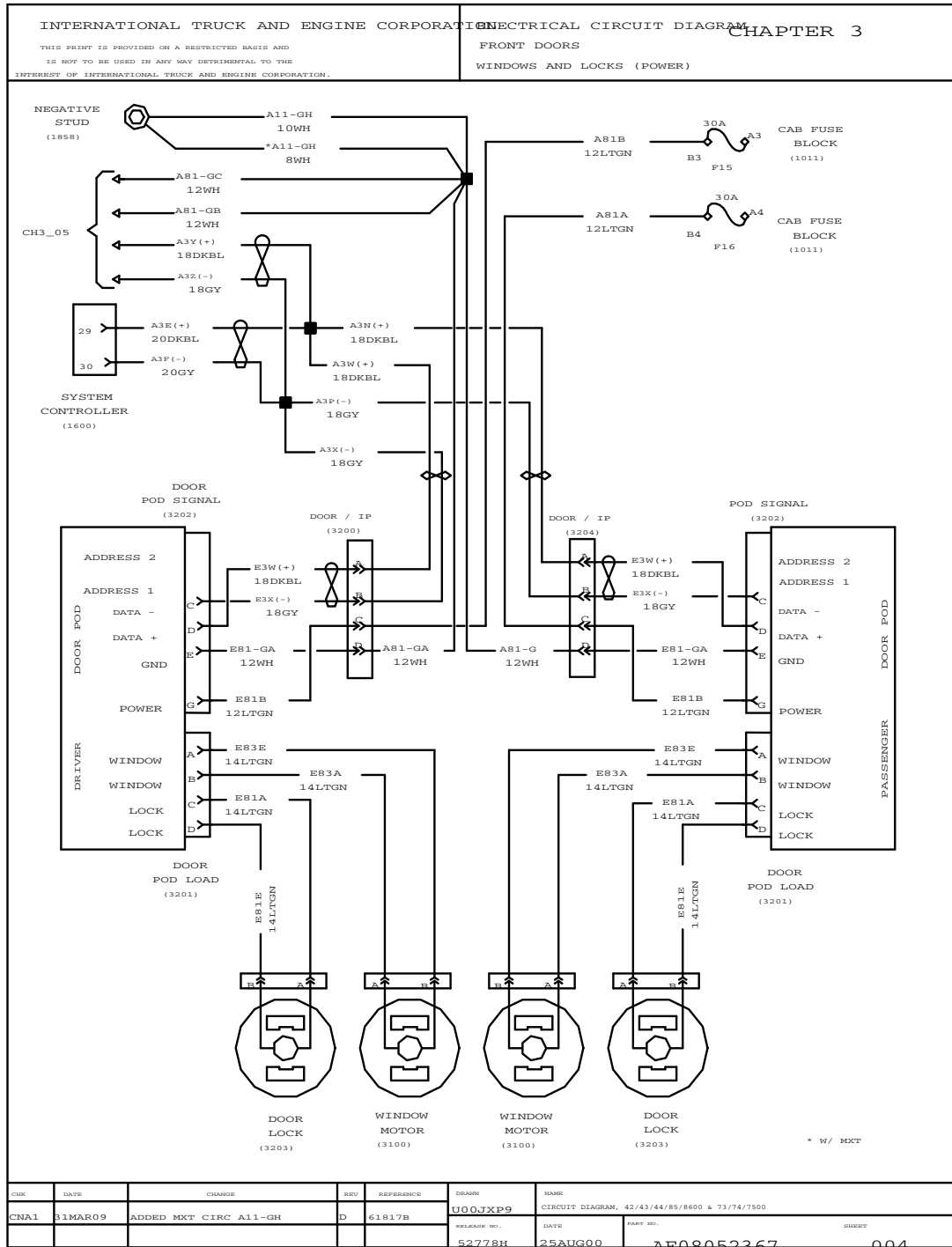


Figure 31 Front Doors Windows and Locks (Power)

4.5. CREW DOORS WINDOWS AND LOCKS (POWER), P. 5

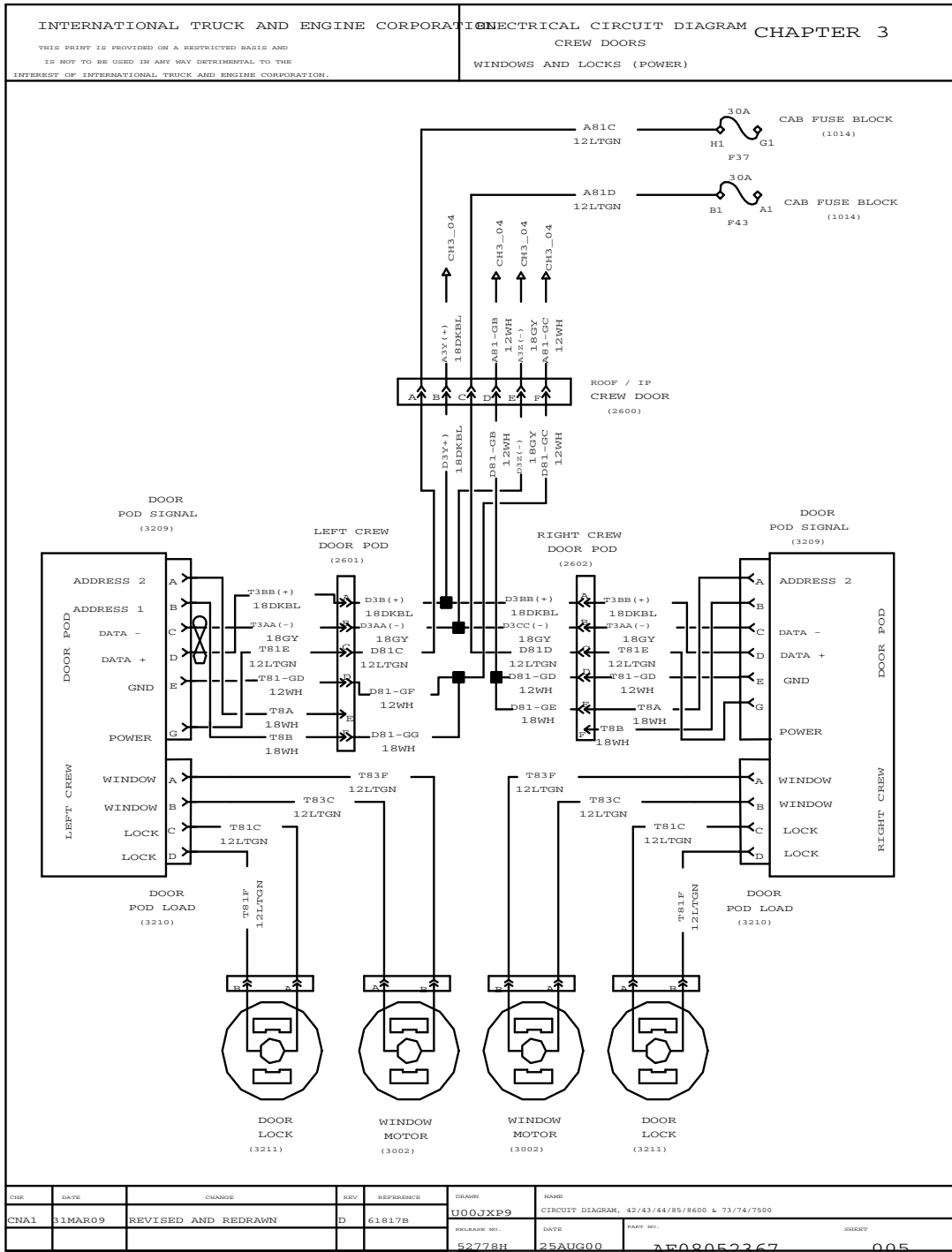


Figure 32 Crew Doors Windows and Locks (Power)



4.6. HORN, DUAL ELECTRIC, P. 6

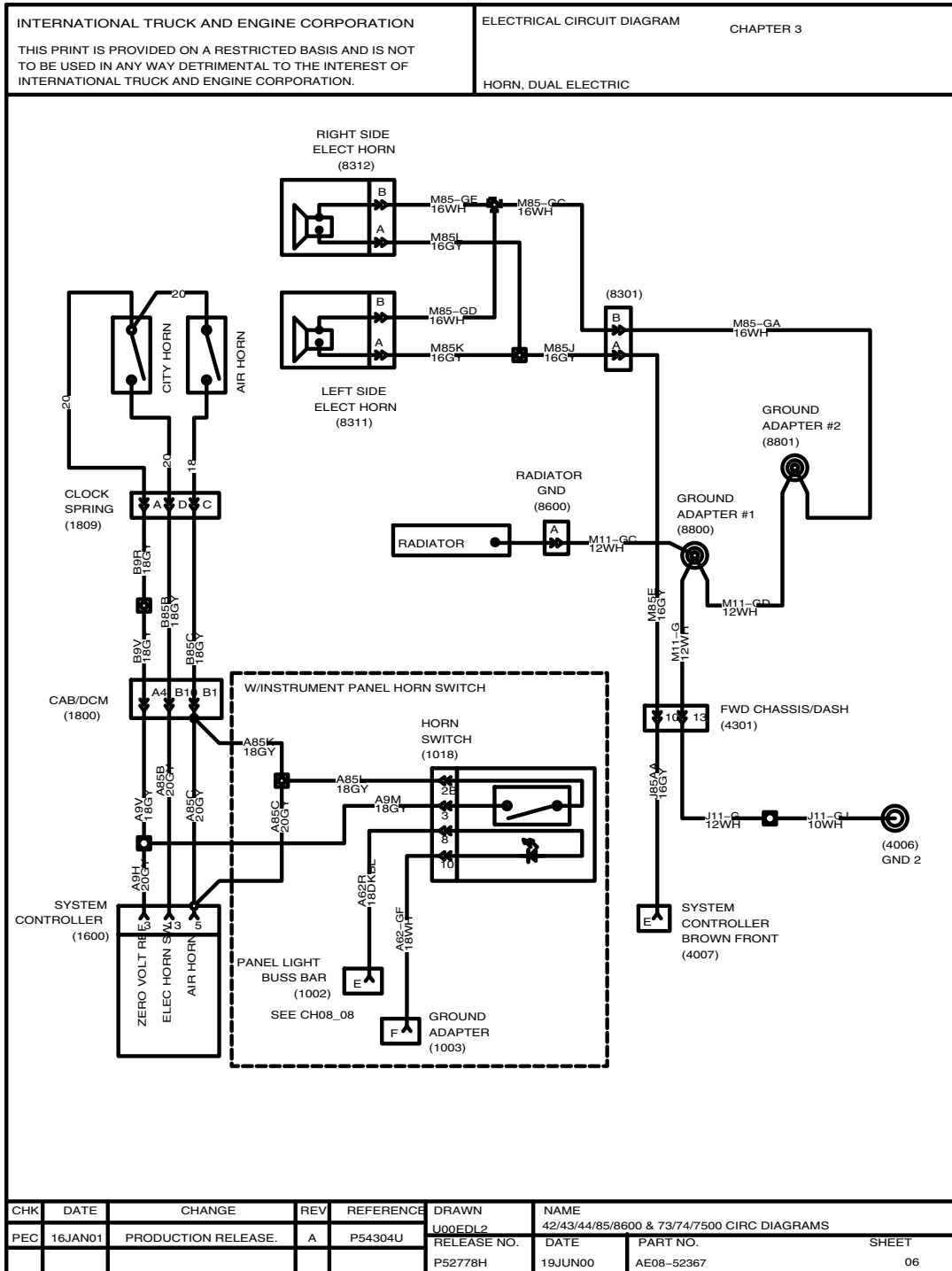


Figure 33 Horn, Dual Electric

4.7. MIRRORS (HEATED, LIGHTED AND POWER), P. 7

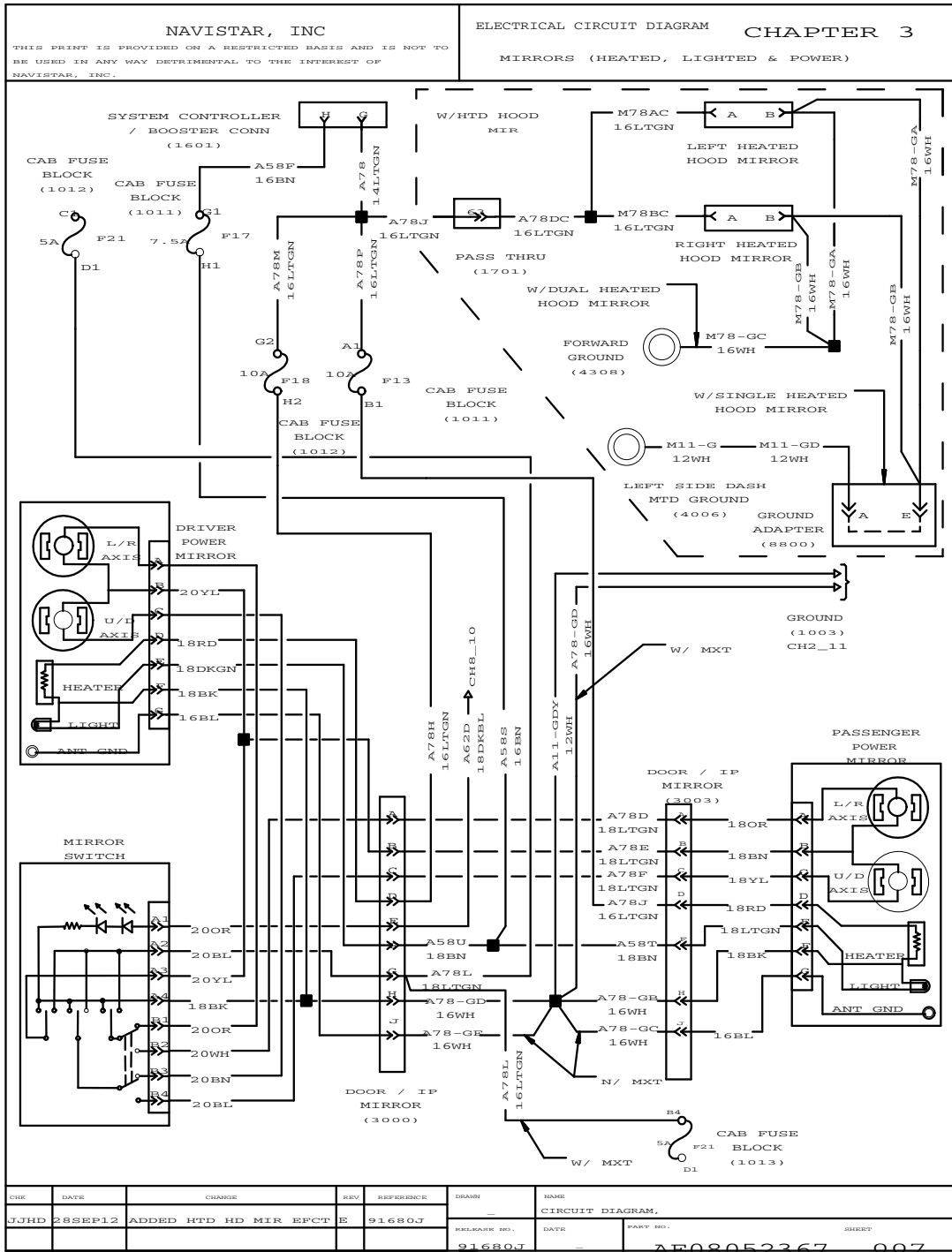


Figure 34 Mirrors (Heated, Lighted and Power)

4.8. RADIO (ENTERTAINMENT), SPEAKERS, P. 8

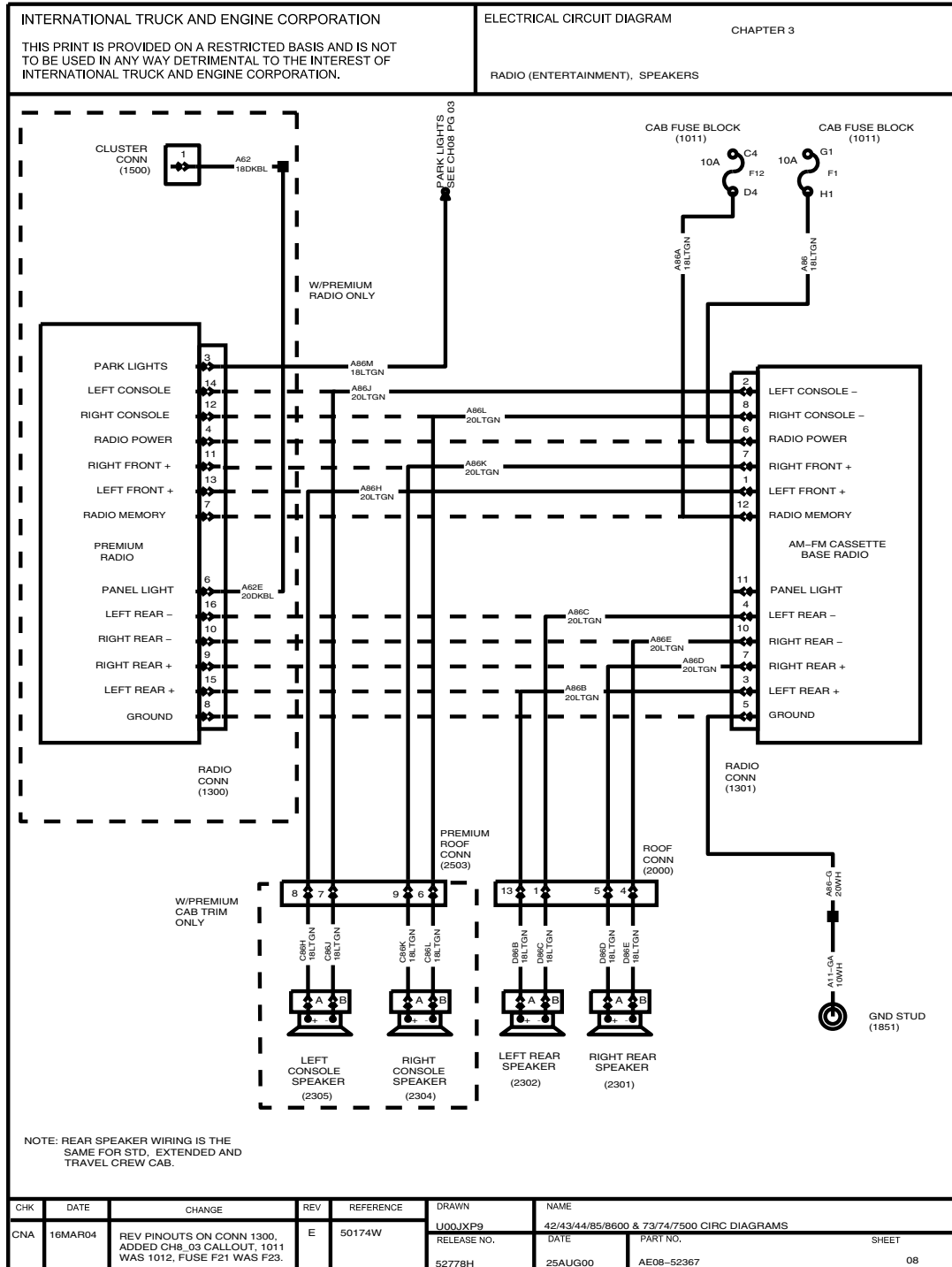


Figure 35 Radio (Entertainment), Speakers

4.9. WINDSHIELD WIPER AND WASHER PUMP, P. 9

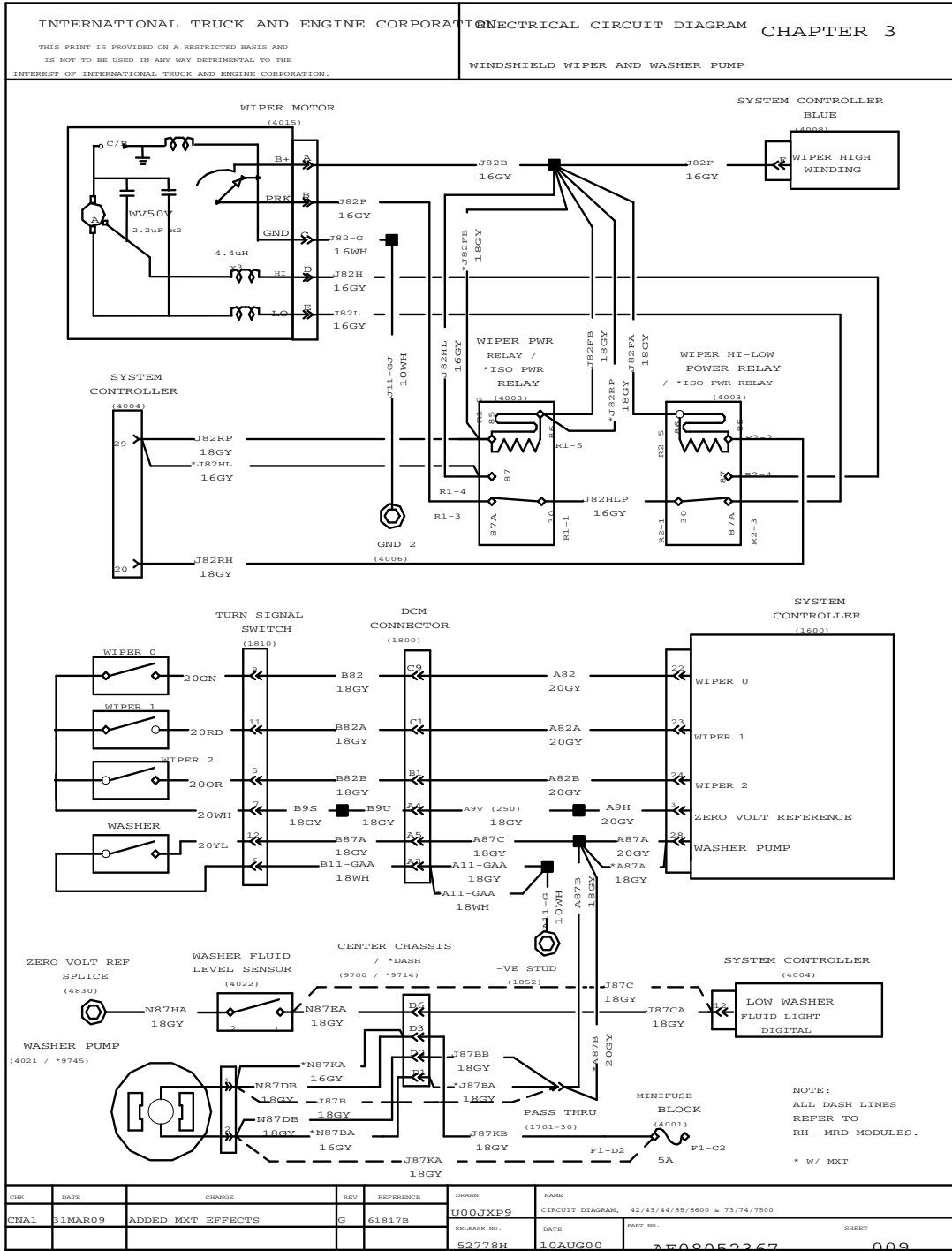


Figure 36 Windshield Wiper and Washer Pump

4.10. 2-WAY RADIO, P. 10

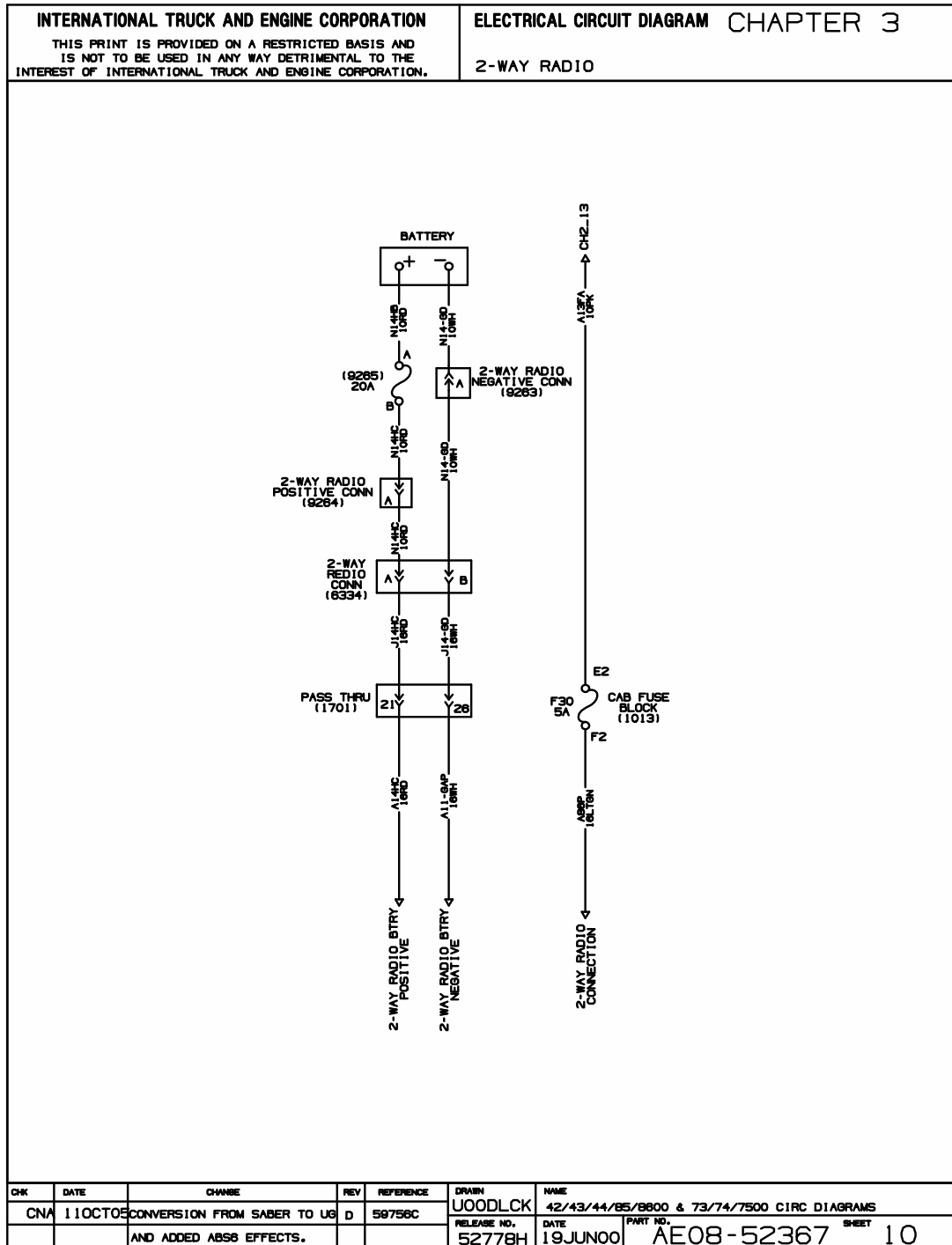


Figure 37 2-Way Radio

4.11. SWITCH PACK, OPTIONAL GAUGE PACK, P. 11

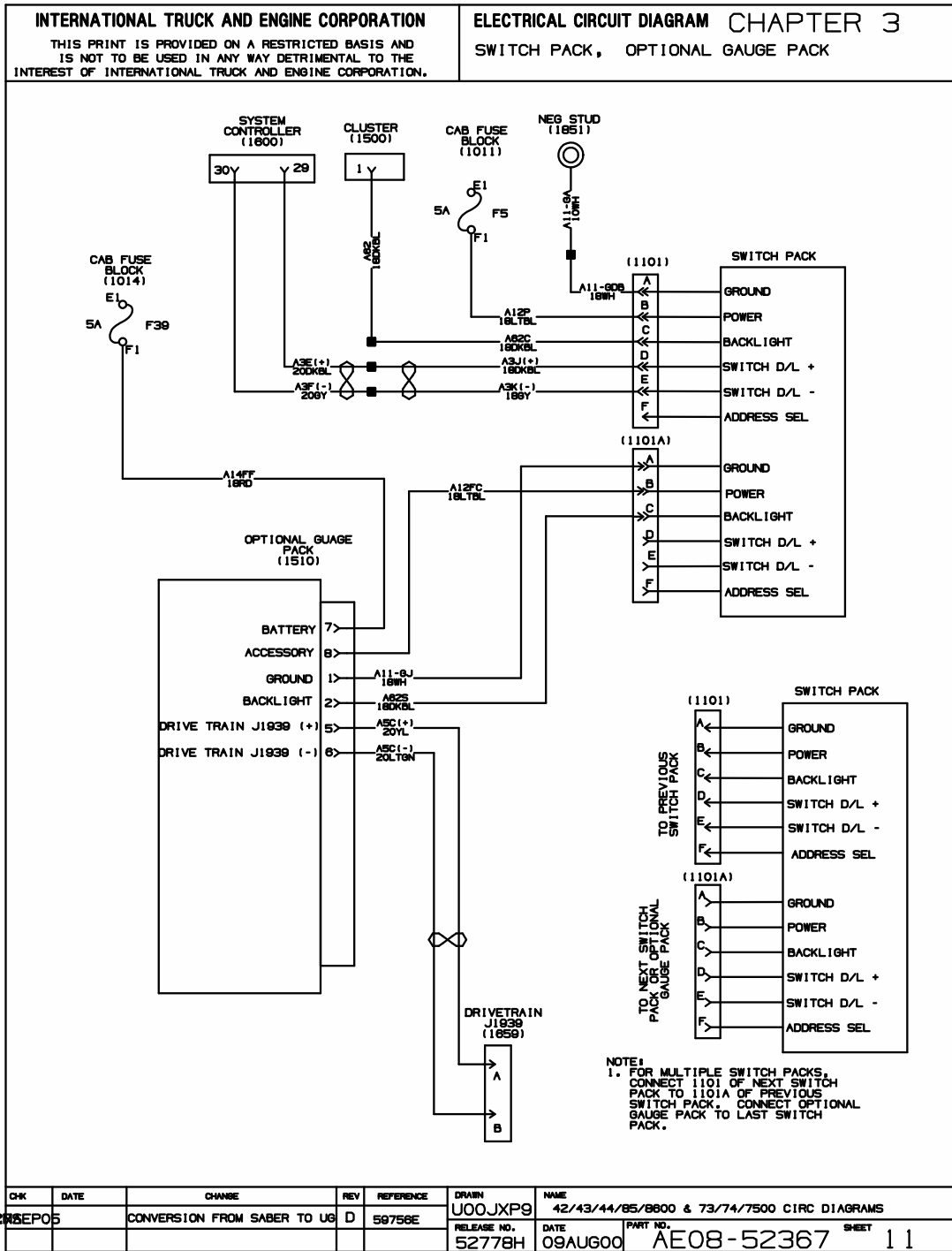


Figure 38 Switch Pack, Optional Gauge Pack

4.12. LIGHTED AIR SHIELD, P. 12

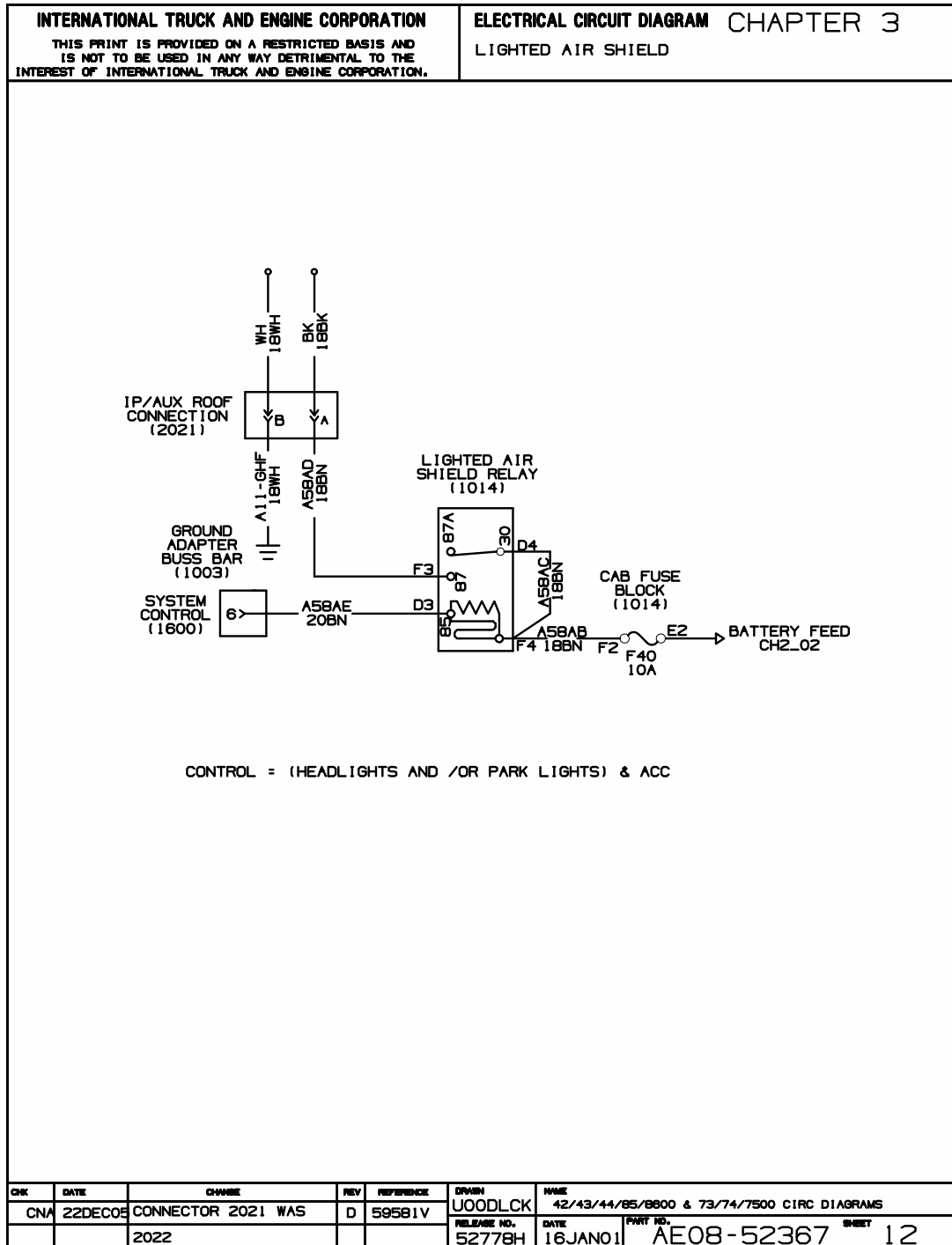


Figure 39 Lighted Air Shield

4.13. ROOF AUX. LOAD, P. 13

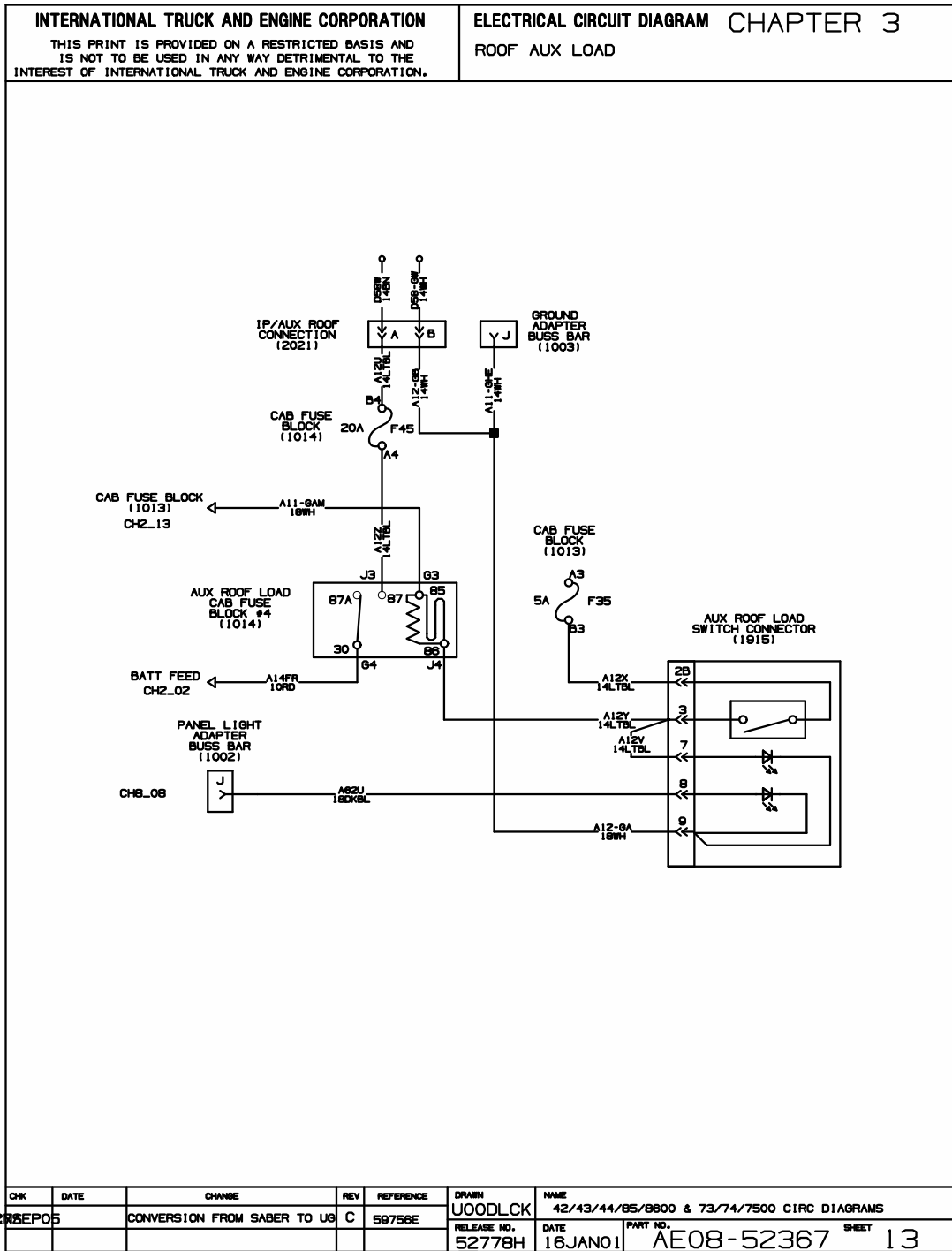


Figure 40 Roof Aux. Load



4.14. SATELLITE COMMUNICATION QUALCOMM-MCT AND IMCT SYSTEMS, P. 14

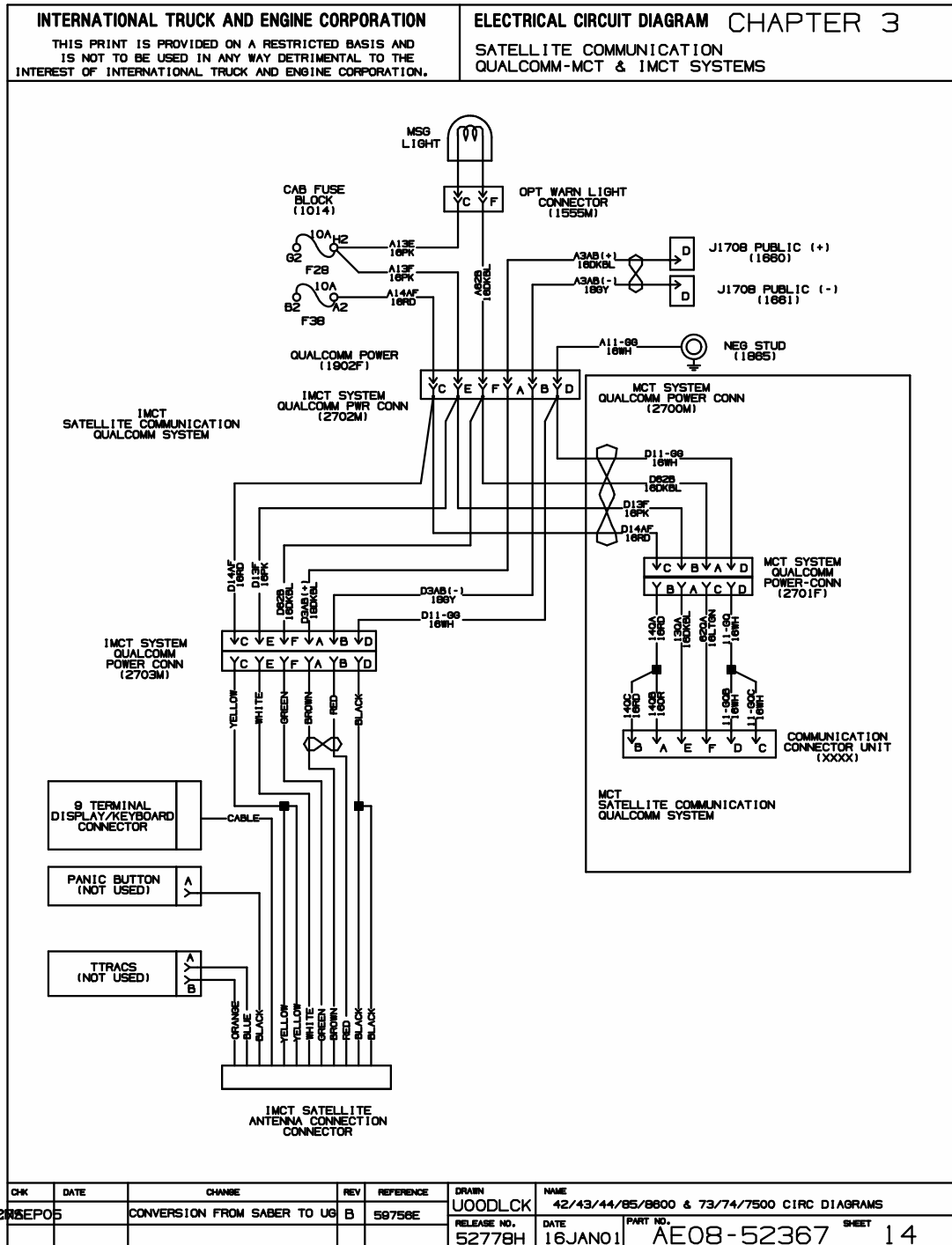


Figure 41 Satellite Communication Qualcomm-MCT and IMCT Systems

4.15. SELF CONTAINED AIR SEAT, P. 15

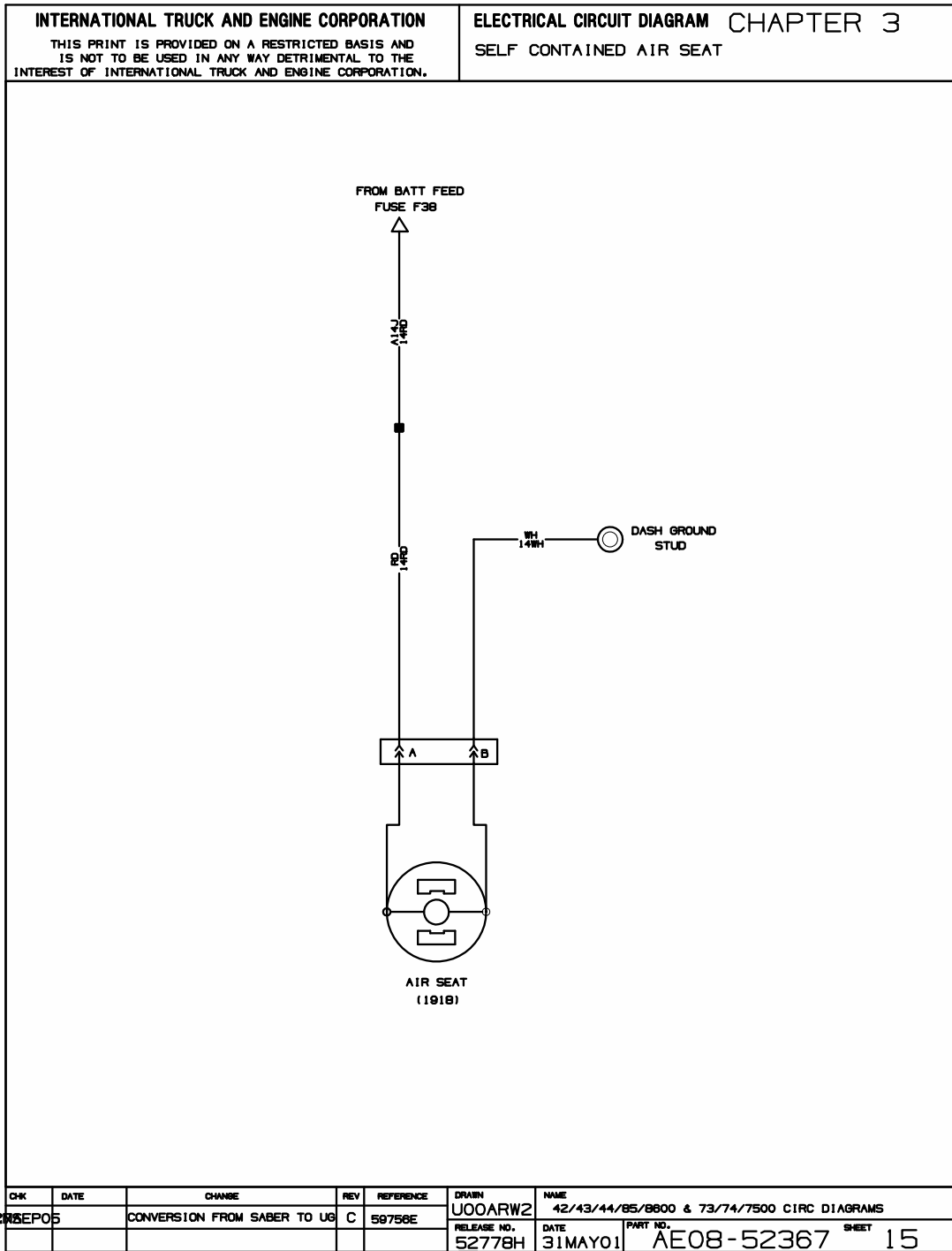


Figure 42 Self Contained Air Seat

4.16. DIGITAL CLOCK PTC, P. 16

INTERNATIONAL TRUCK AND ENGINE CORPORATION THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF INTERNATIONAL TRUCK AND ENGINE CORPORATION.					ELECTRICAL CIRCUIT DIAGRAM CHAPTER 3 DIGITAL CLOCK PTC		
GEOMETRY REMOVED							
CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME	
2RSEPO5		CONVERSION FROM SABER TO UG	C	59758E	UOODLCK	42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS	
					RELEASE NO.	DATE	PART NO. SHEET
					52778H	05MAY01	AE08-52367 16

Figure 43 Digital Clock PTC

4.17. TRANSMISSION ALLISON LCT COLUMN SHIFTER, P. 17

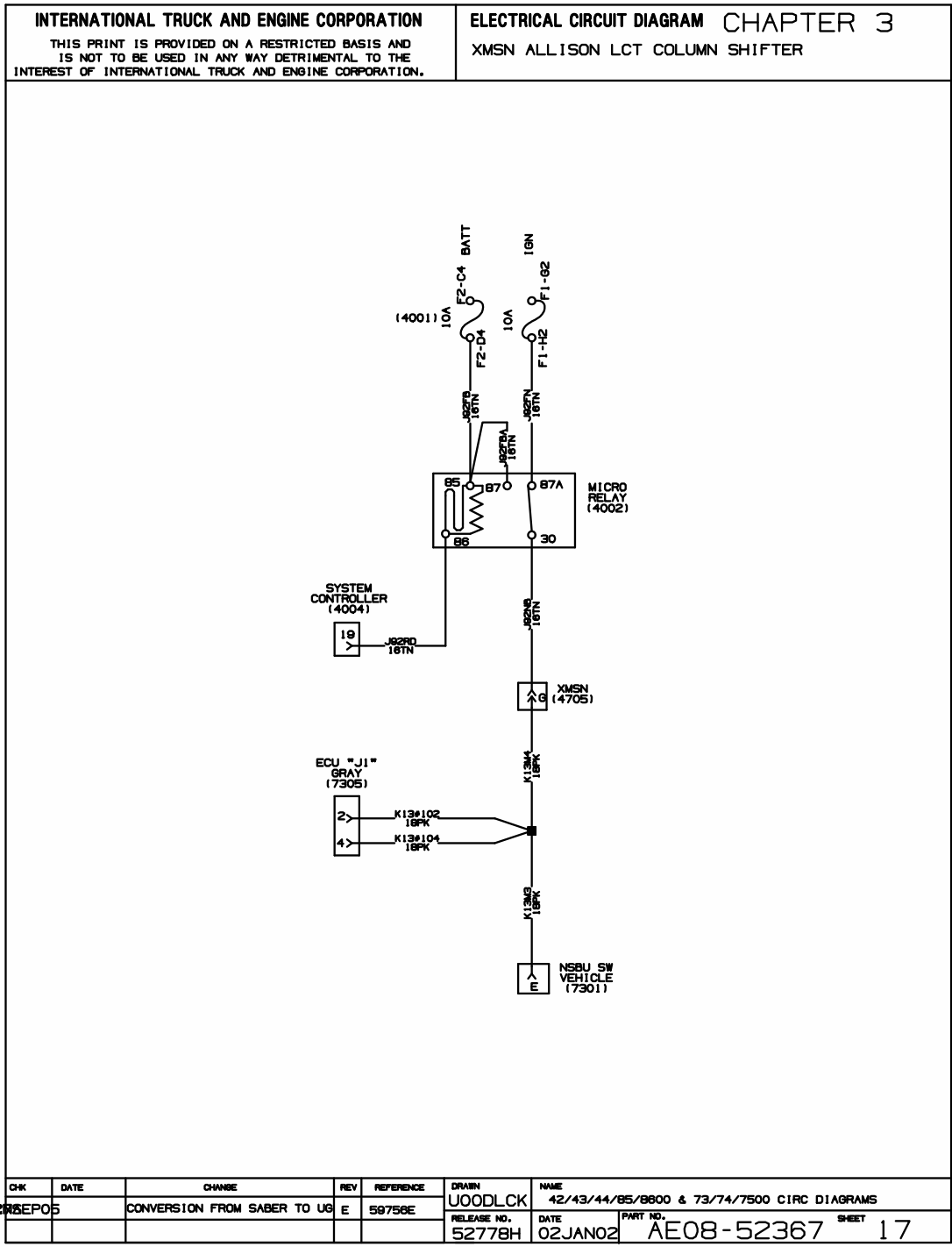


Figure 44 Transmission Allison LCT Column Shifter

4.18. HEATED SEATS FOR 7700 MODELS ONLY, P. 18

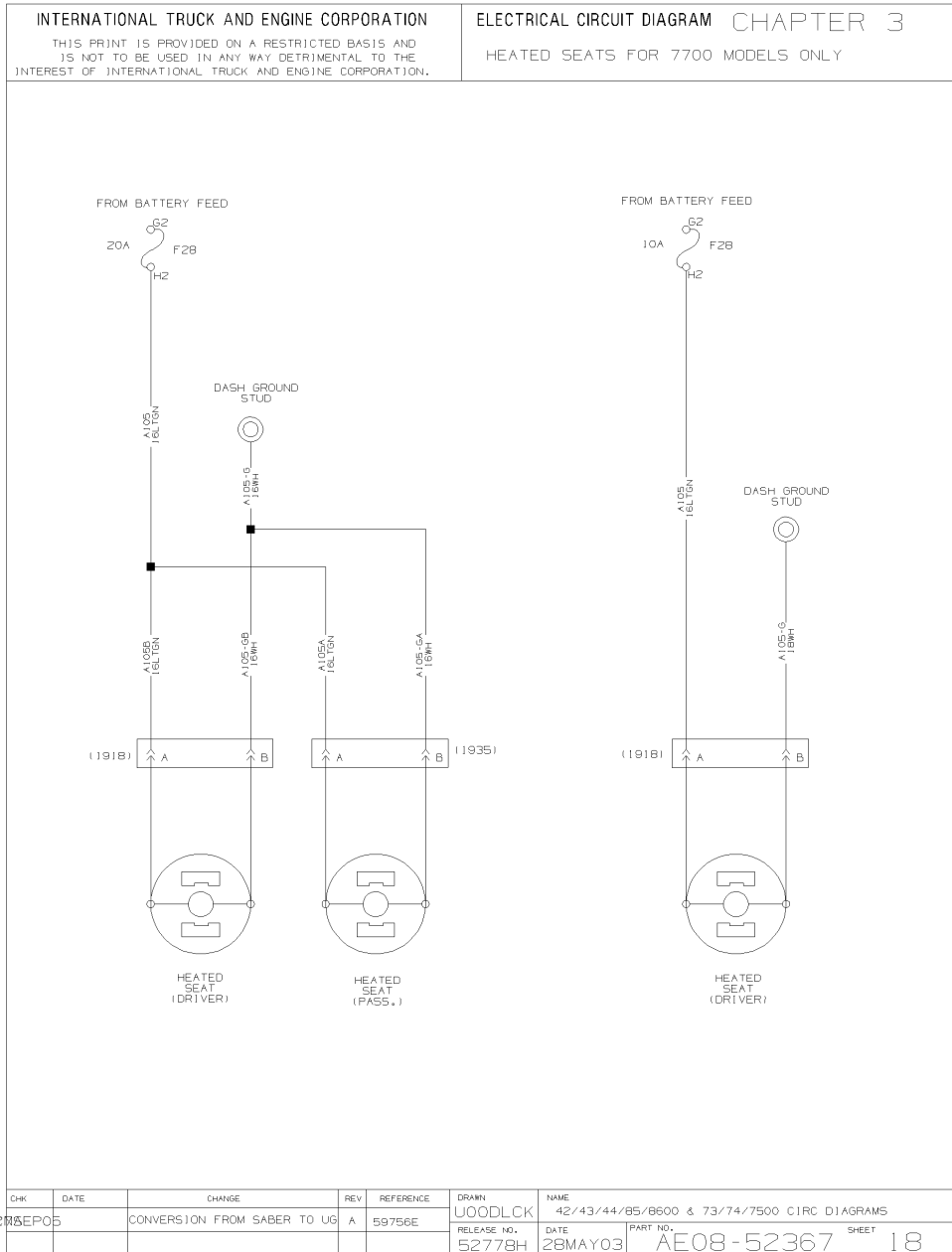
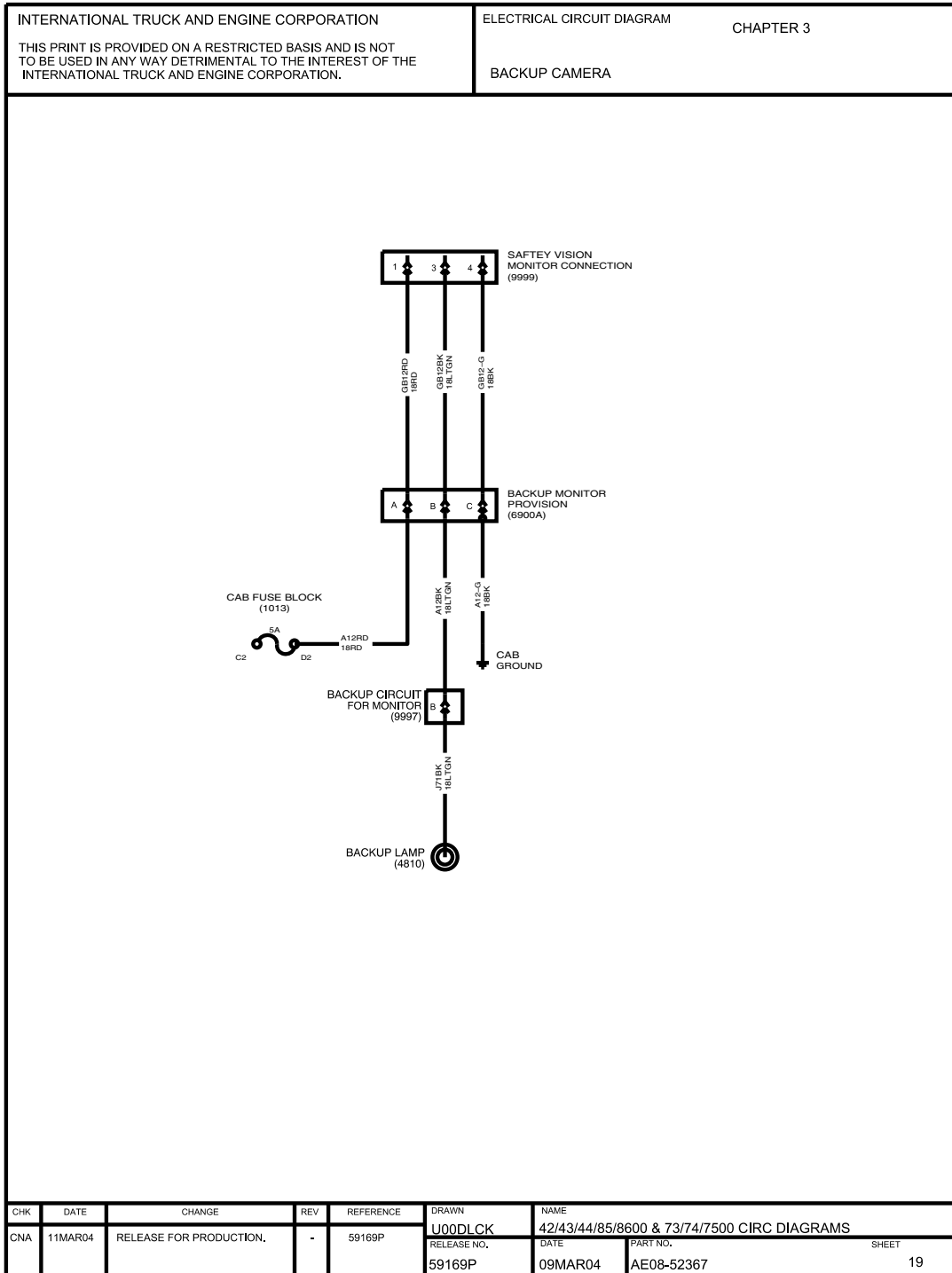
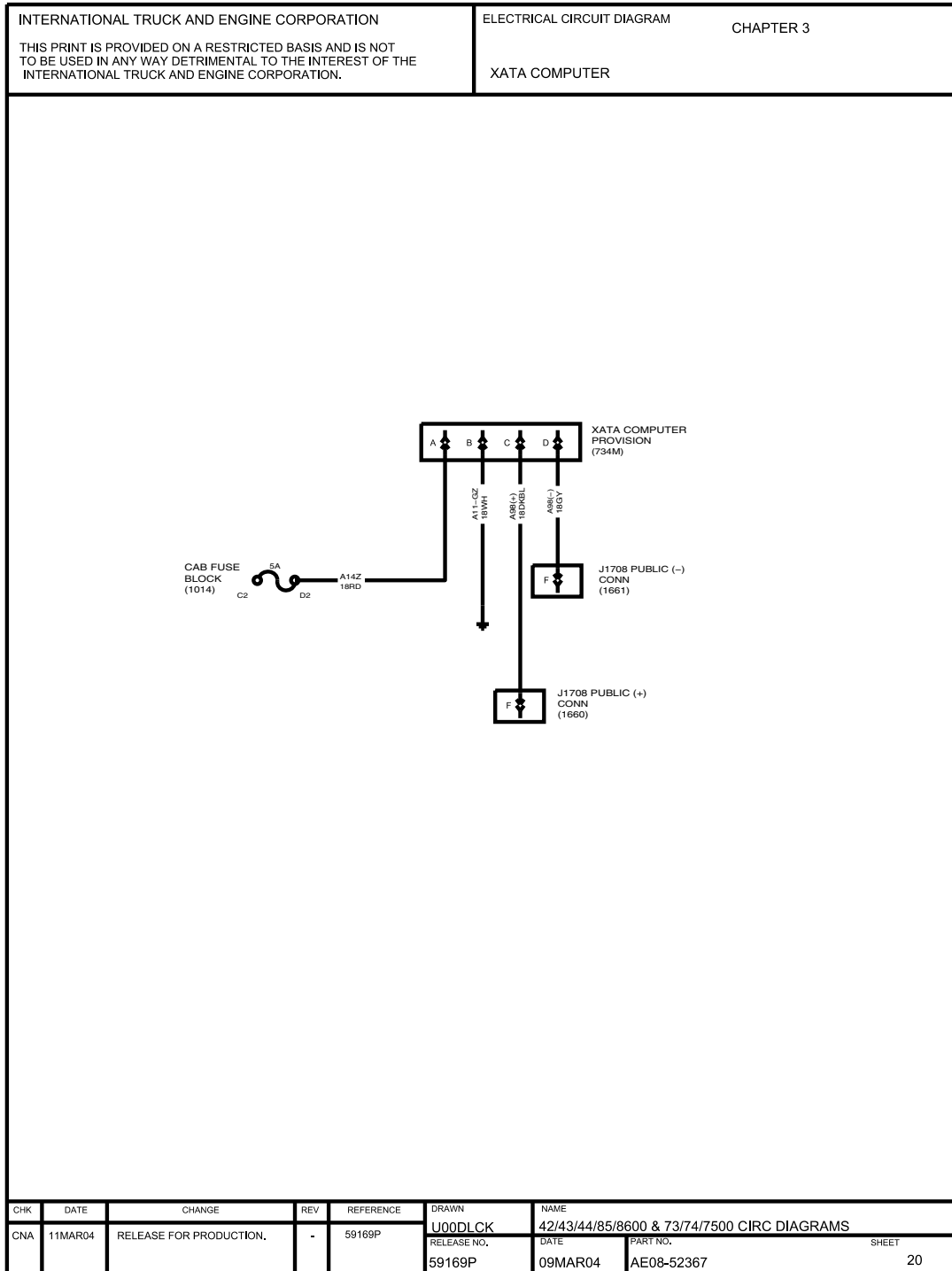


Figure 45 Heated Seats for 7700 Models Only

4.19. BACKUP CAMERA, P. 19



4.20. XATA COMPUTER, P. 20



4.21. KEYLESS IGNITION SYSTEM, P. 21

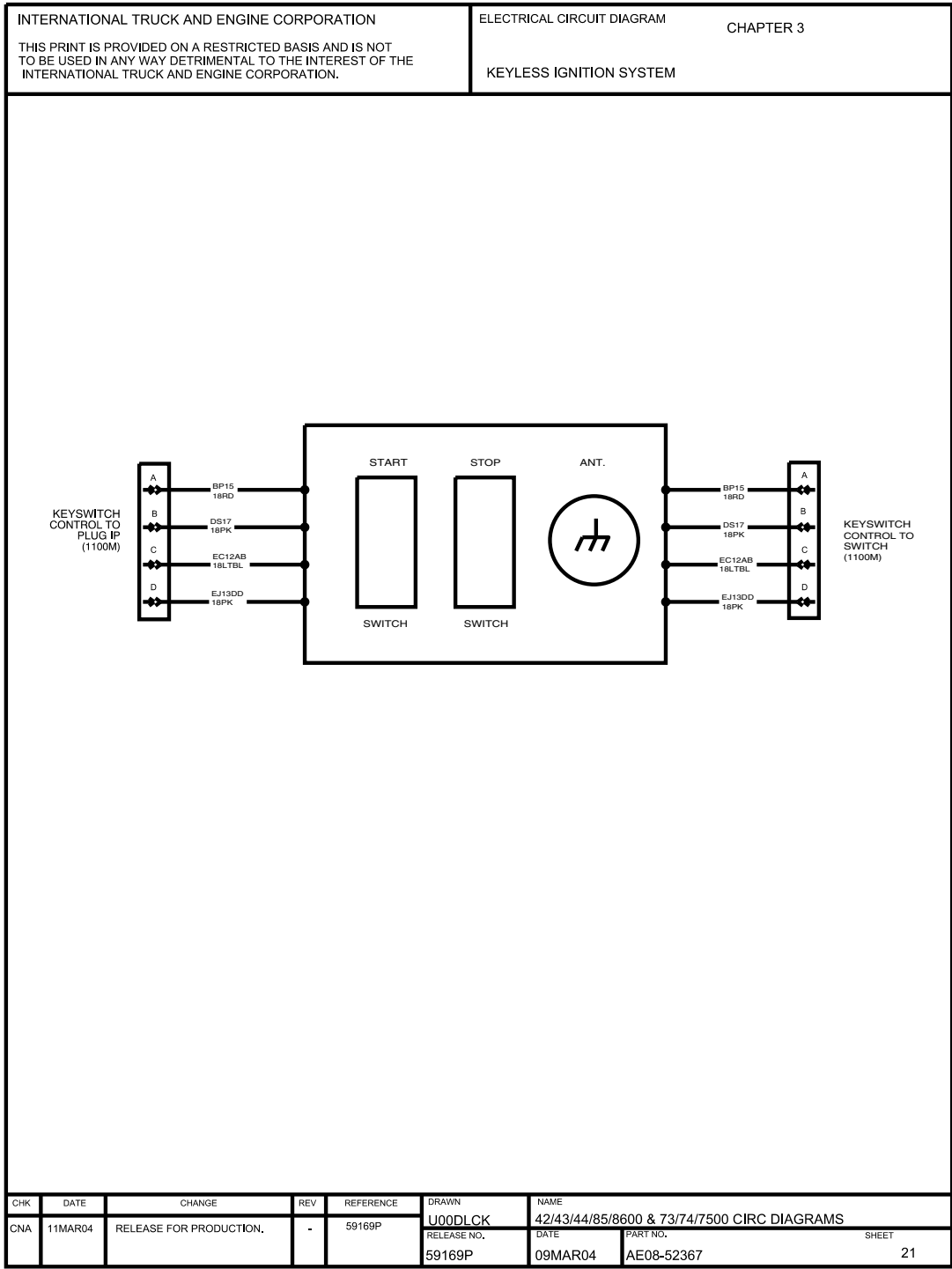


Figure 48 Keyless Ignition System



# 12V CHARGING + CRANKING SYSTEM (CHAPTER 4)

## 5.1. 16 EGR ENGINES, P. 1

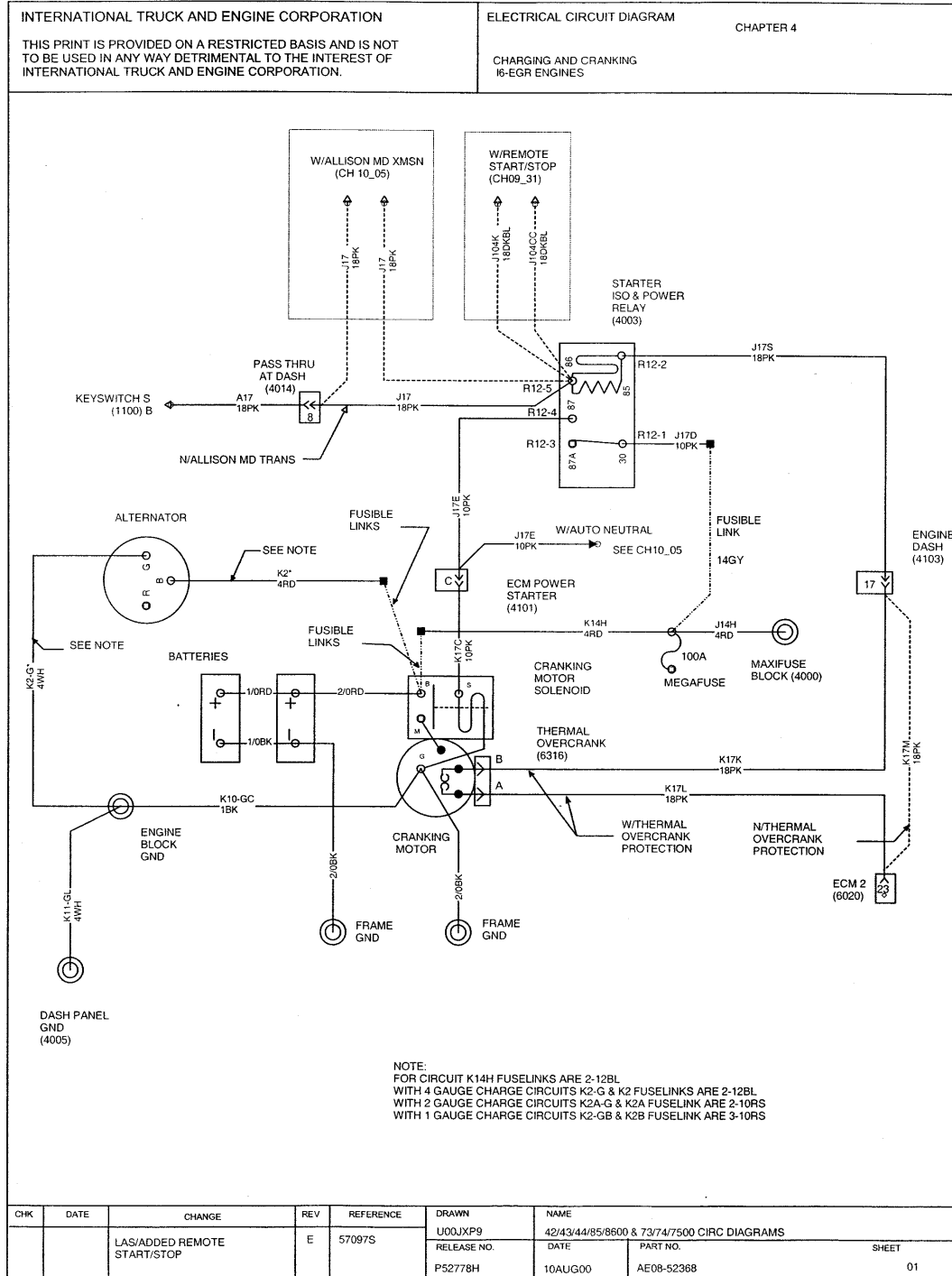


Figure 49 16 EGR Engines

5.2. V8 AVNT ENGINES, P. 2

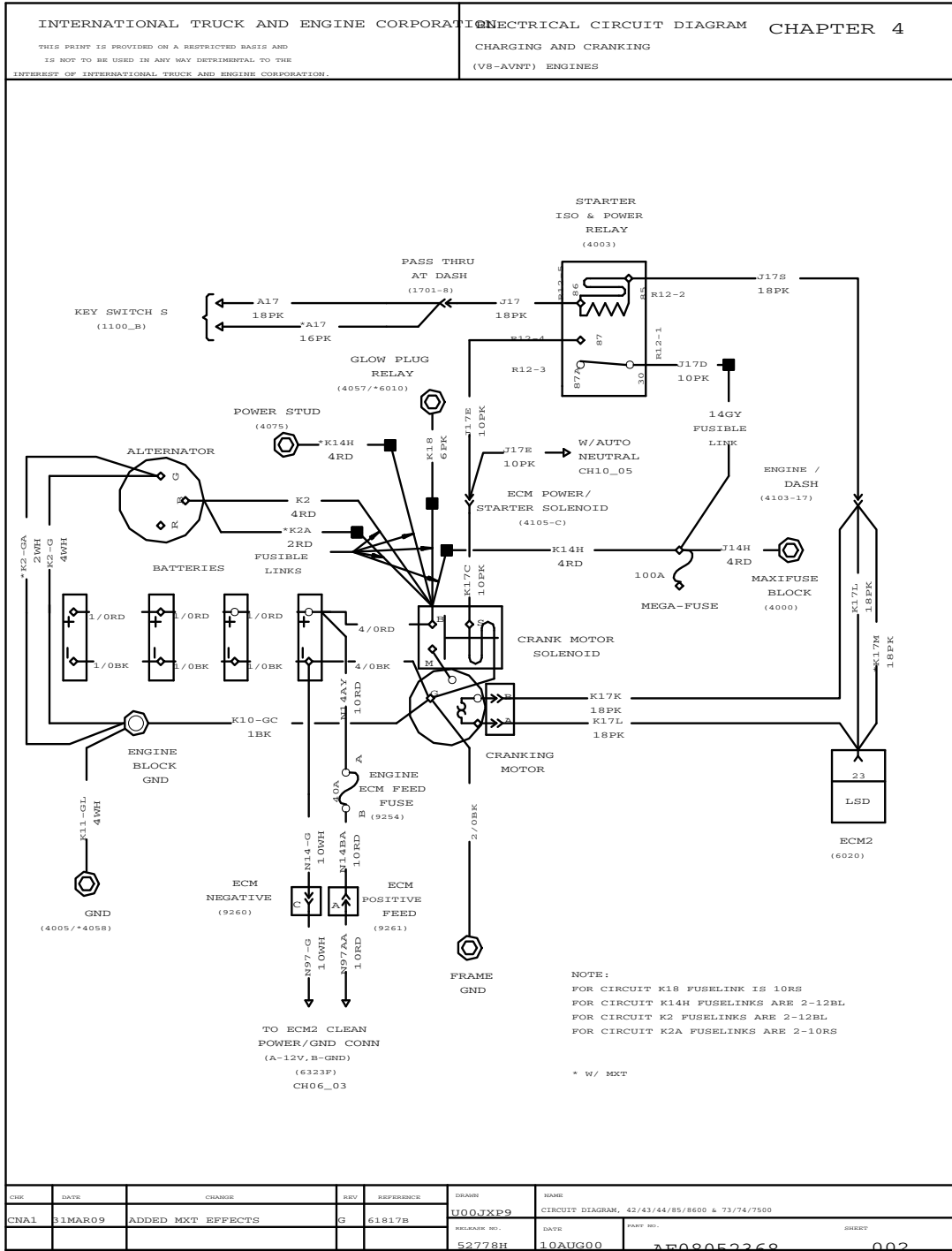


Figure 50 V8 AVNT Engines

5.3. CATERPILLAR, CUMMINS ISM ENGINES, P. 3

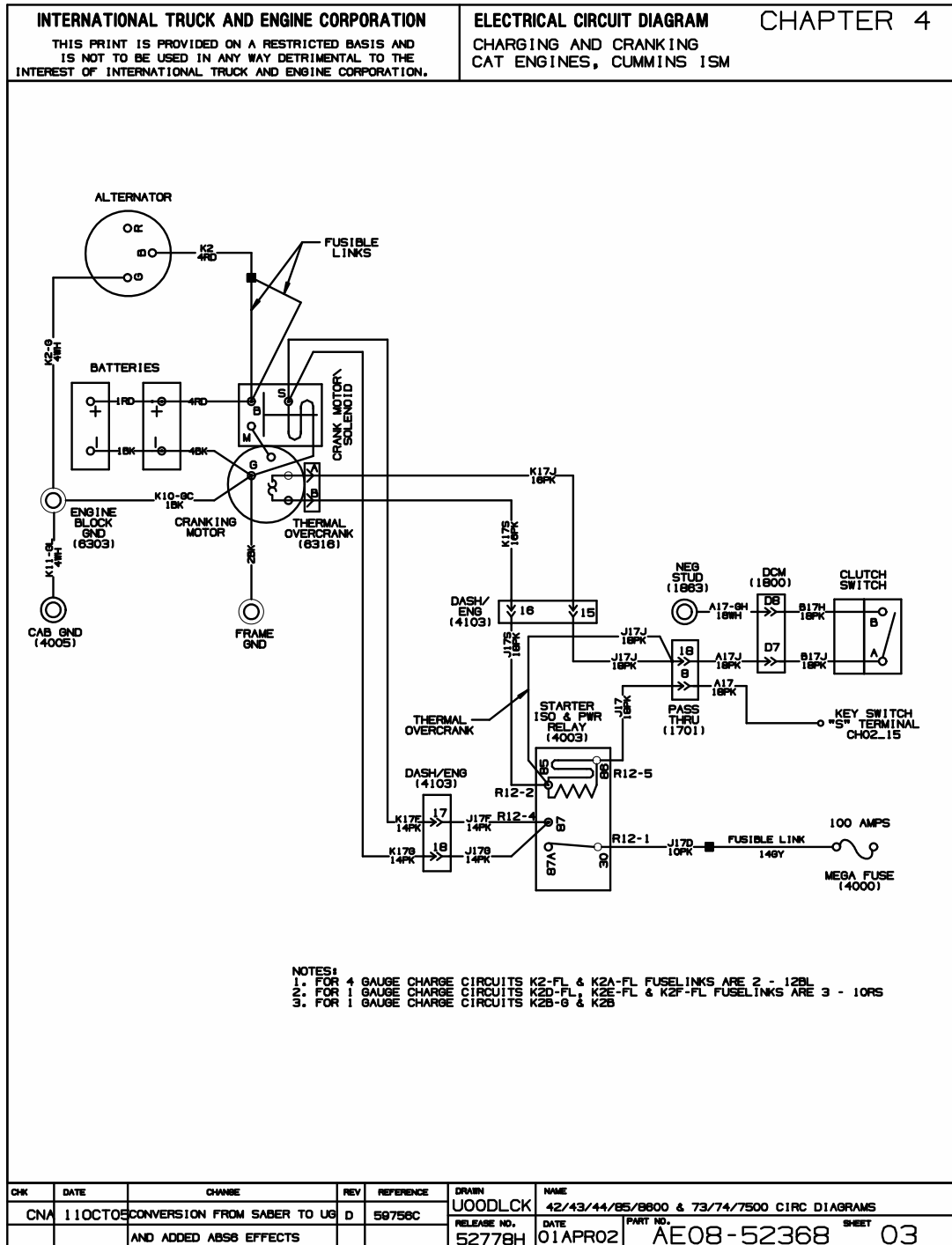


Figure 51 Caterpillar, Cummins ISM Engines

5.4. I6 HEUI ENGINES, P. 4

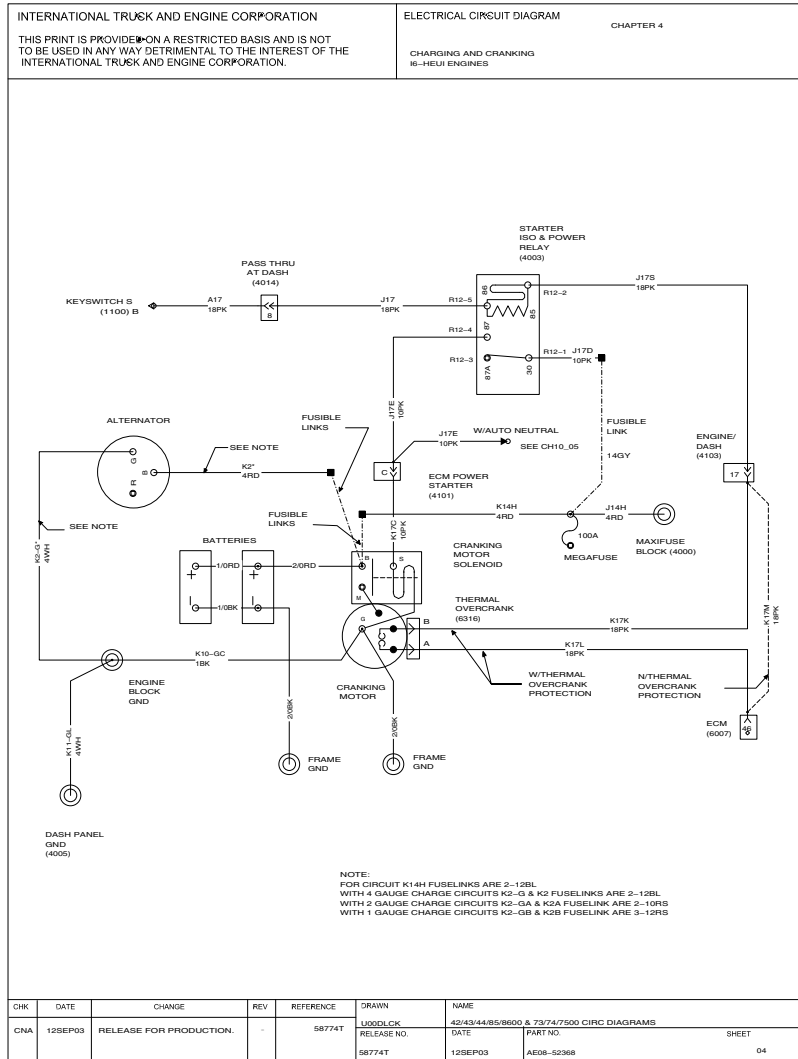


Figure 52 I6 HEUI Engines

5.5. CATERPILLAR ENGINES, CUMMINS ISM AND WITH EATON ULTRASHIFT/DM2, P. 5

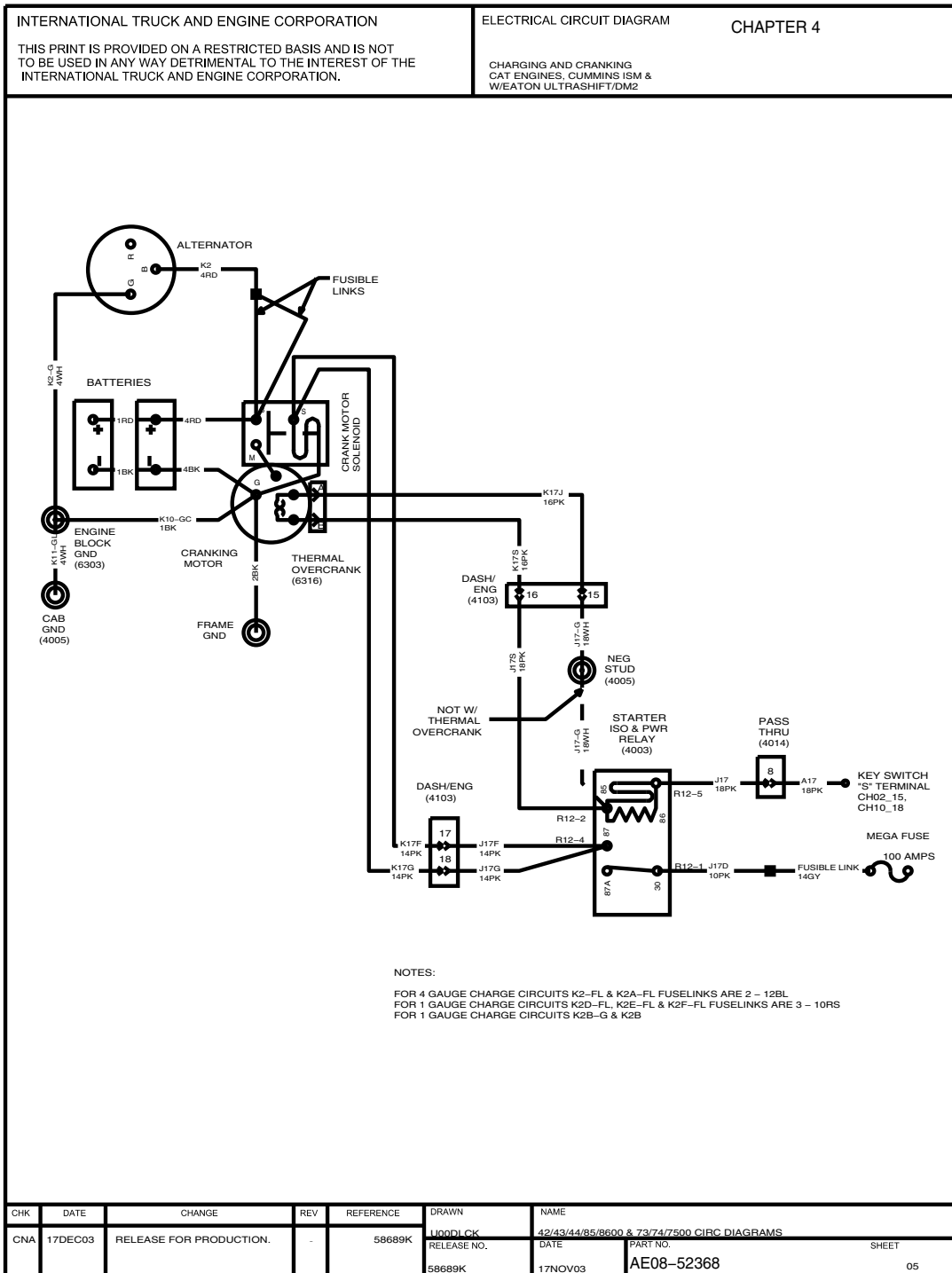


Figure 53 Caterpillar Engines, Cummins ISM and with Eaton Ultrashift/DM2

5.6. I6 EGR ENGINES WITH AIR START, P. 6

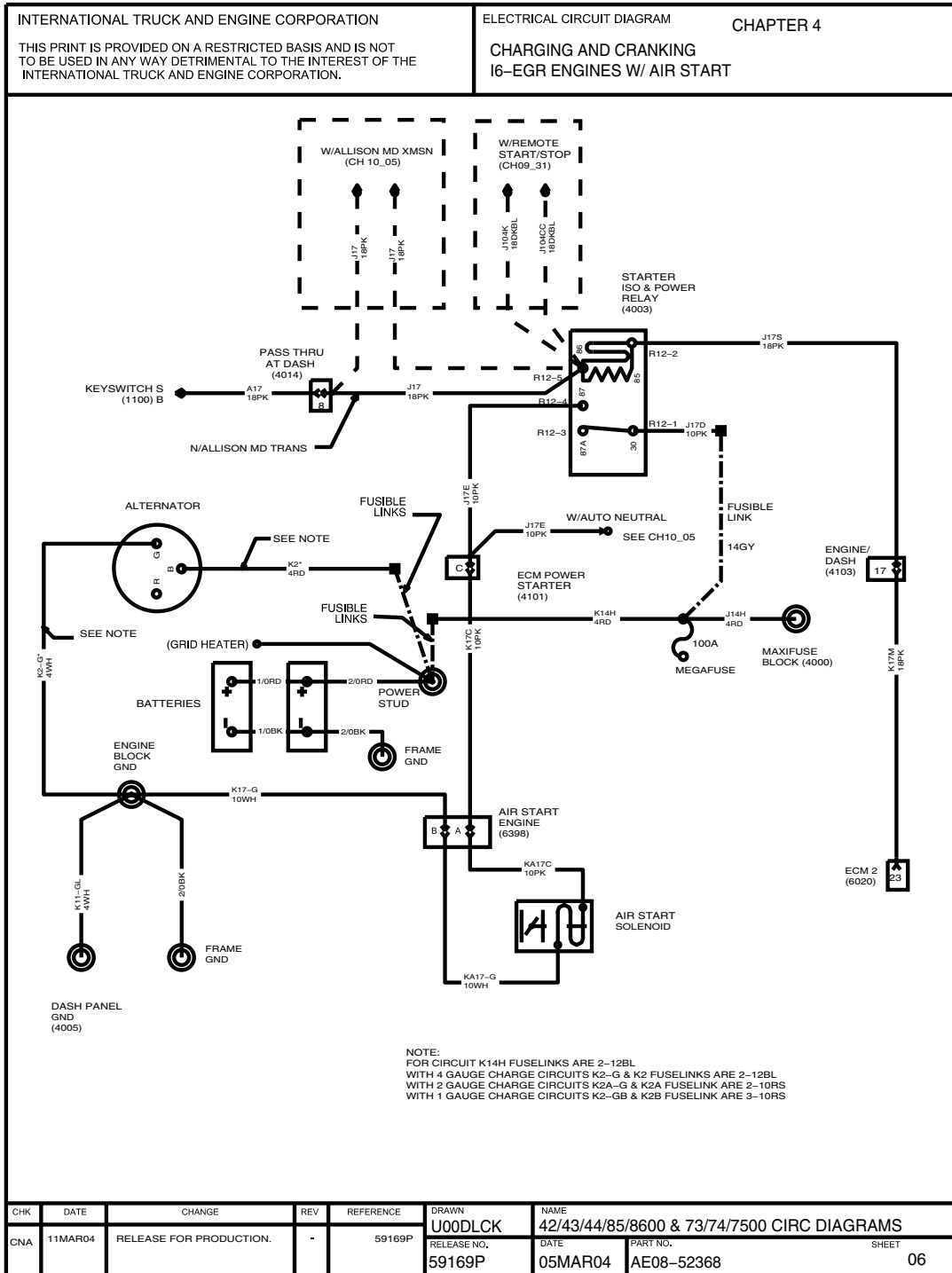


Figure 54 I6 EGR Engines with Air Start

# FANS AND ENGINE ACCESSORIES (CHAPTER 5)

## 6.1. FAN WIRING, P. 1

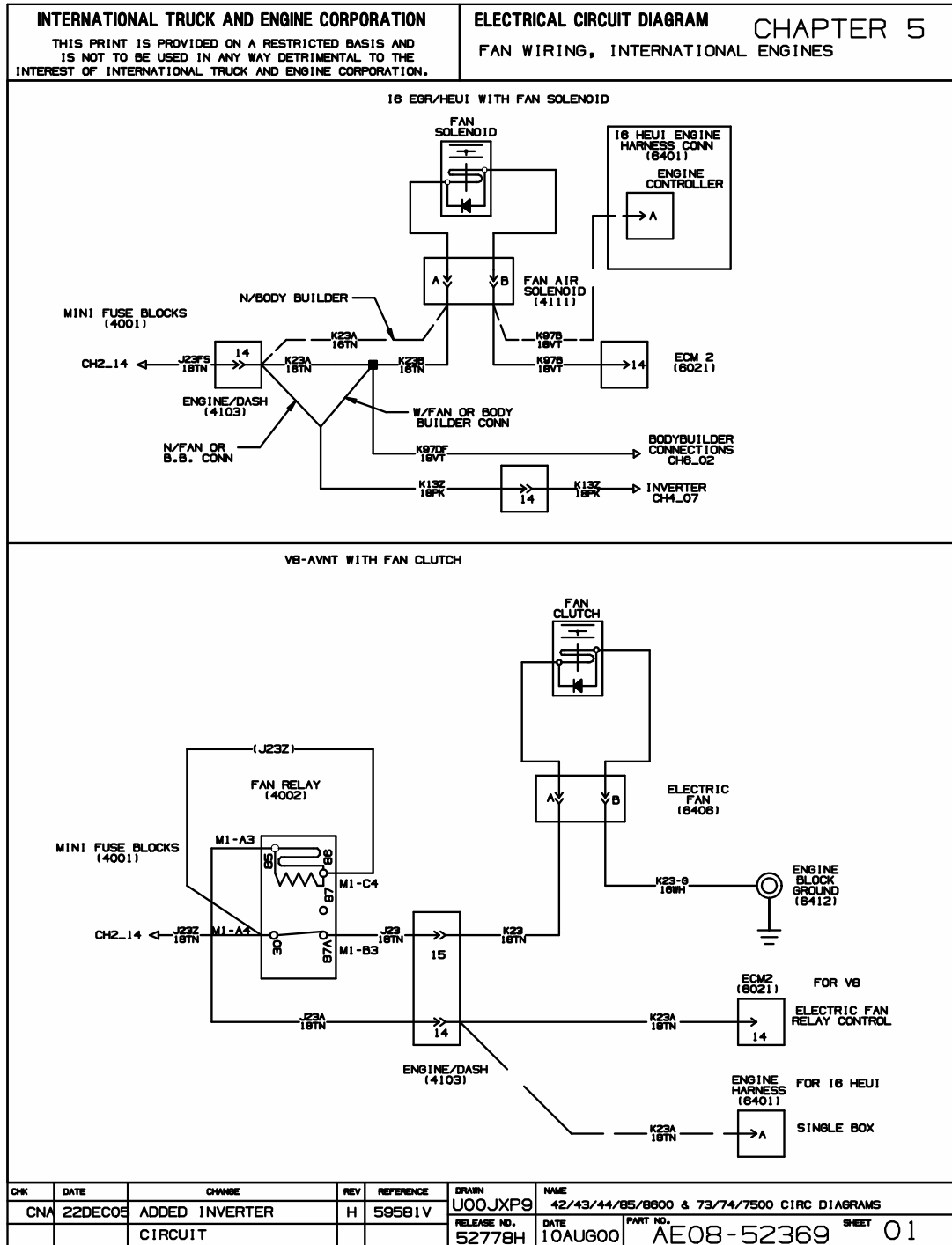


Figure 55 Fan Wiring

6.2. ETHER START, P. 2

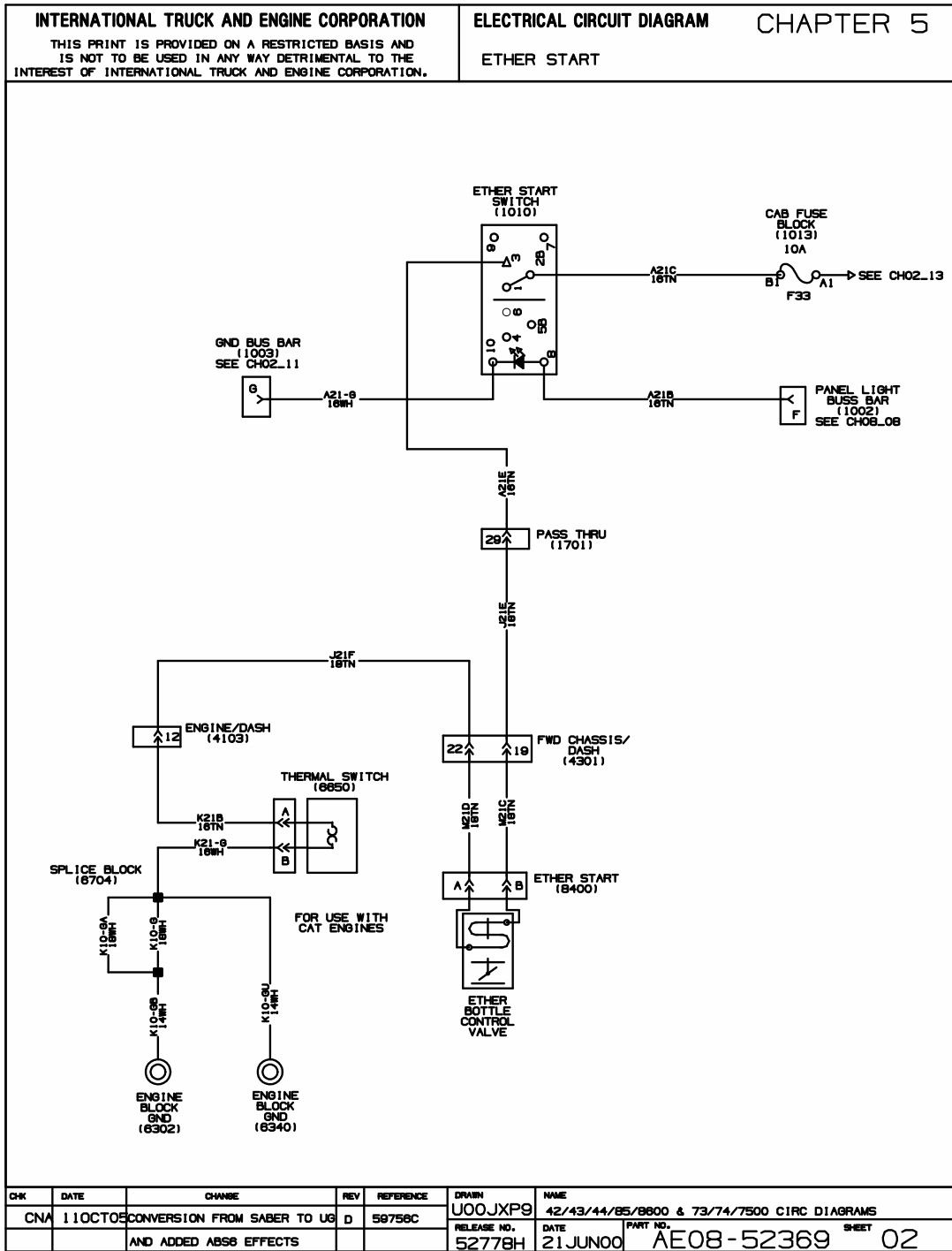


Figure 56 Ether Start



6.3. SNOW VALVE, P. 3

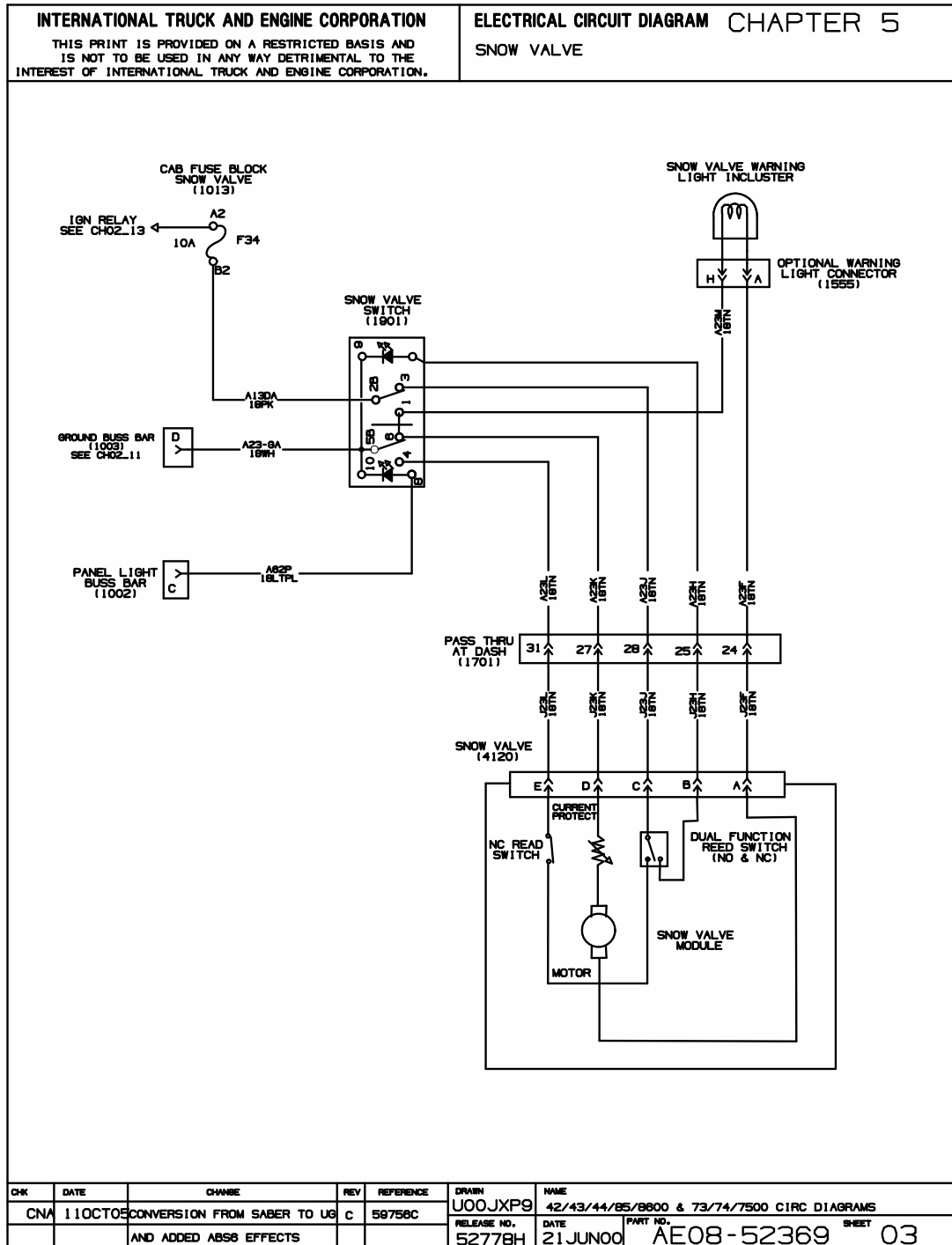


Figure 57 Snow Valve

6.4. FAN WIRING, CATERPILLAR AND CUMMINS, P. 4

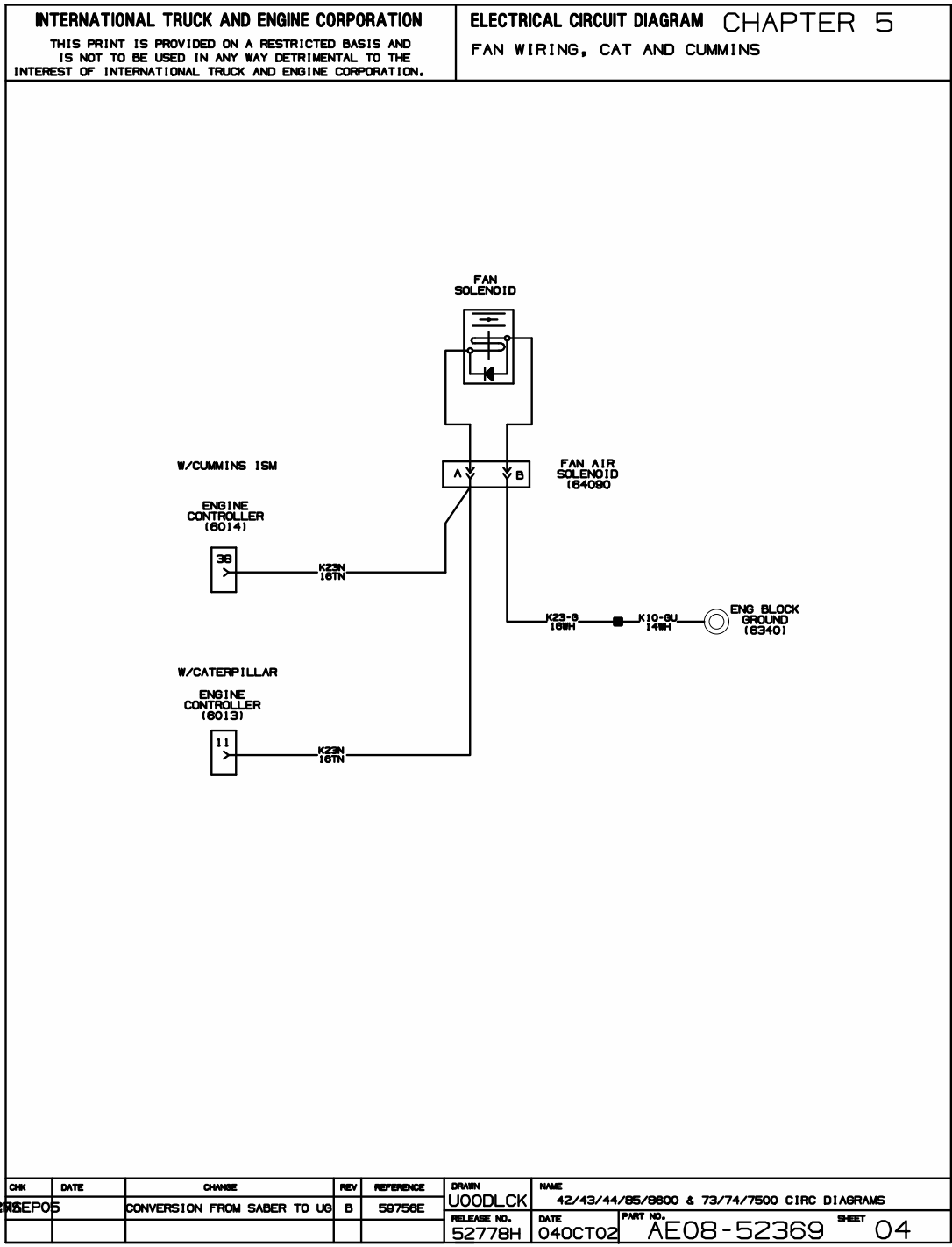


Figure 58 Fan Wiring, Caterpillar and Cummins

# ELECTRONIC ENGINES (CHAPTER 6)

## 7.1. ELECTRONIC ENGINE CONTROLS, I6-EGR ENGINES, P. 1

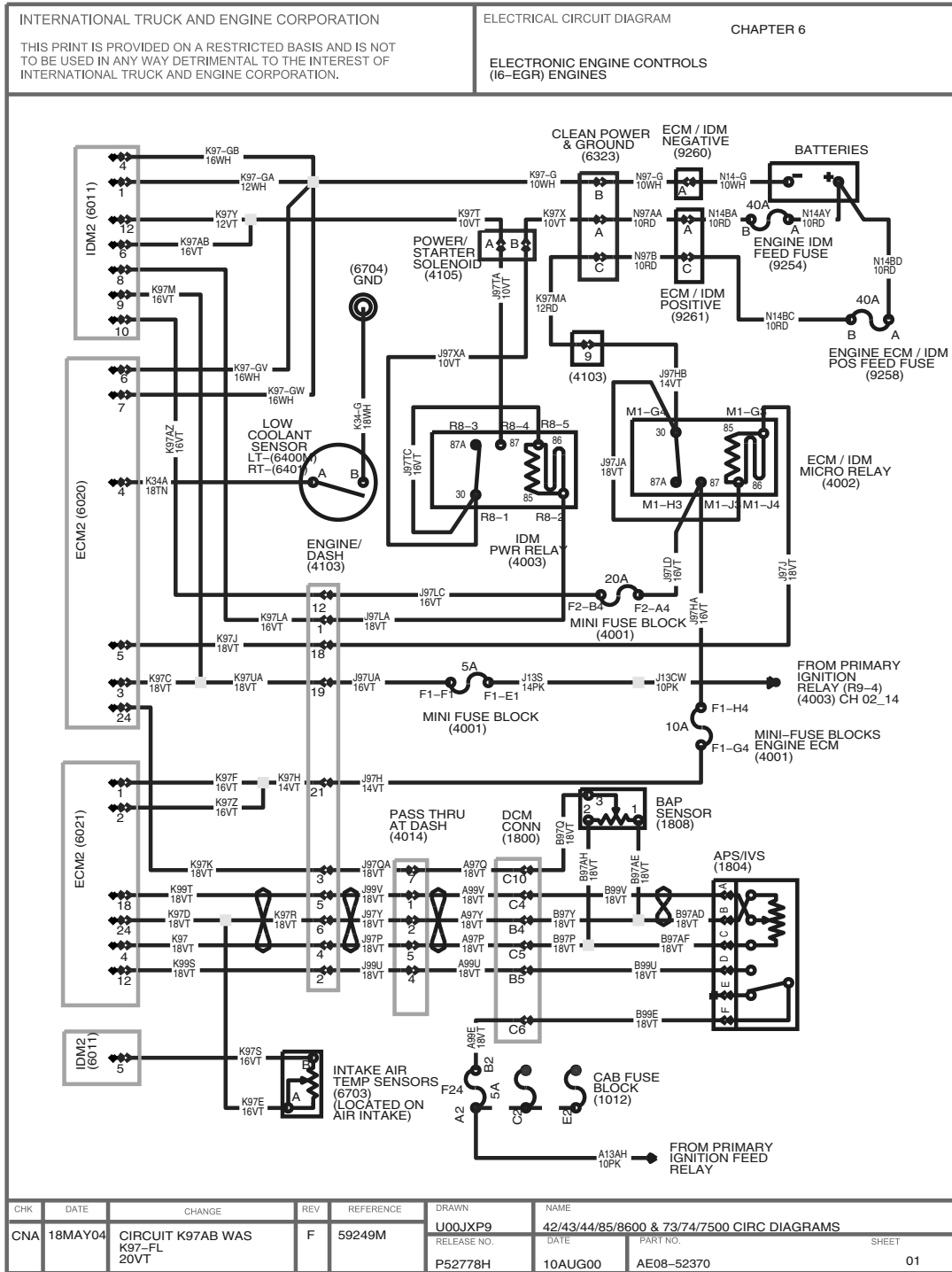


Figure 59 Electronic Engine Controls, I6-EGR Engines

7.2. ELECTRONIC ENGINE CONTROLS, I6-EGR ENGINE CRUISE CONTROL AND BODY BUILDER CONNECTIONS, P. 2

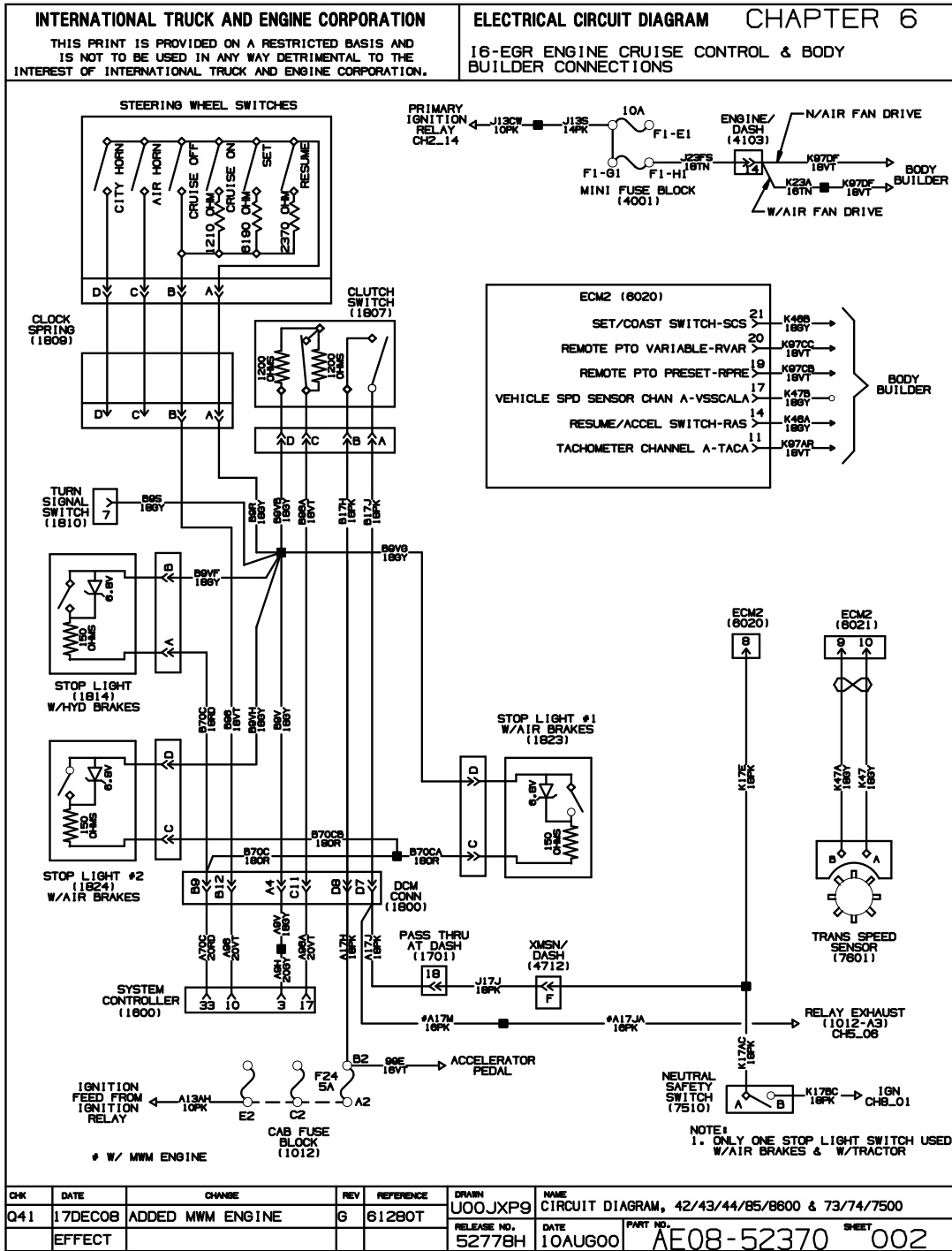


Figure 60 Electronic Engine Controls, I6-EGR Engine Cruise Control and Body Builder Connections

7.3. ELECTRONIC ENGINE CONTROLS, (V8-AVNT) ENGINES, P. 3

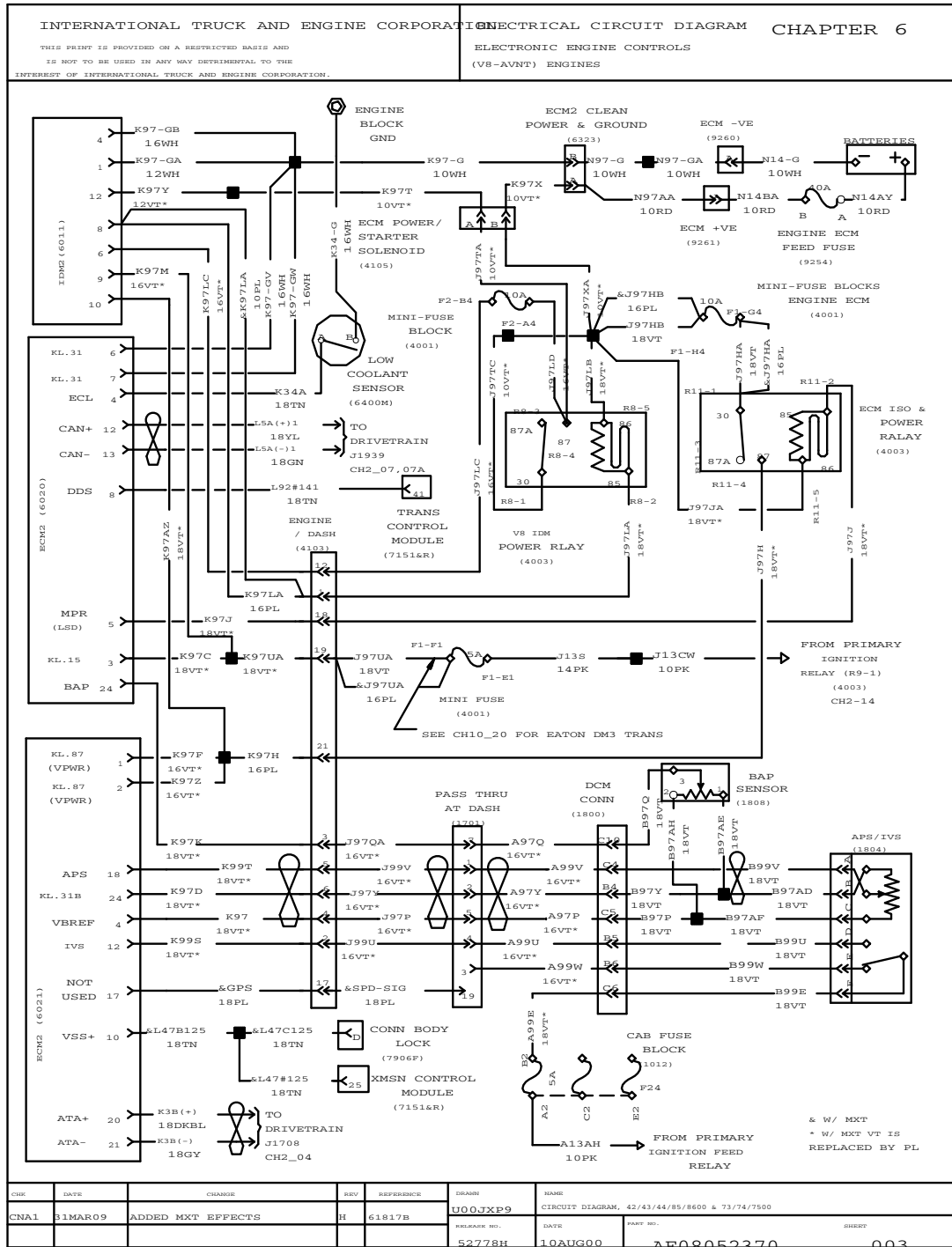


Figure 61 Electronic Engine Controls, (V8-AVNT) Engines

7.4. ELECTRONIC ENGINE CONTROLS, V8-AVNT ENGINE CRUISE CONTROL AND BODY BUILDER CONNECTIONS, P. 4

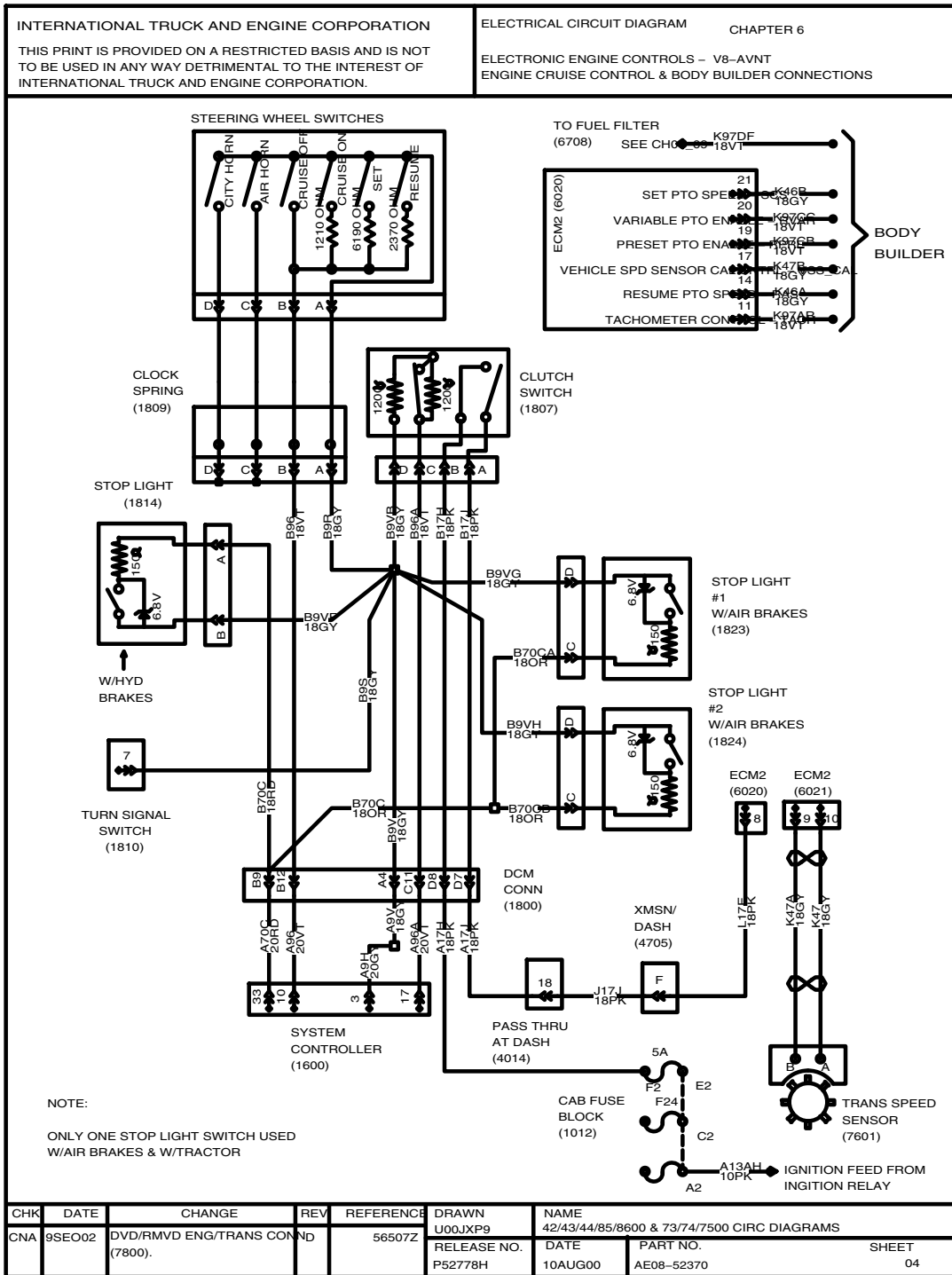


Figure 62 Electronic Engine Controls, V8-AVNT Engine Cruise Control and Body Builder Connections

7.5. CATERPILLAR C10, C11, C12, AND C13 ENGINES, P. 5

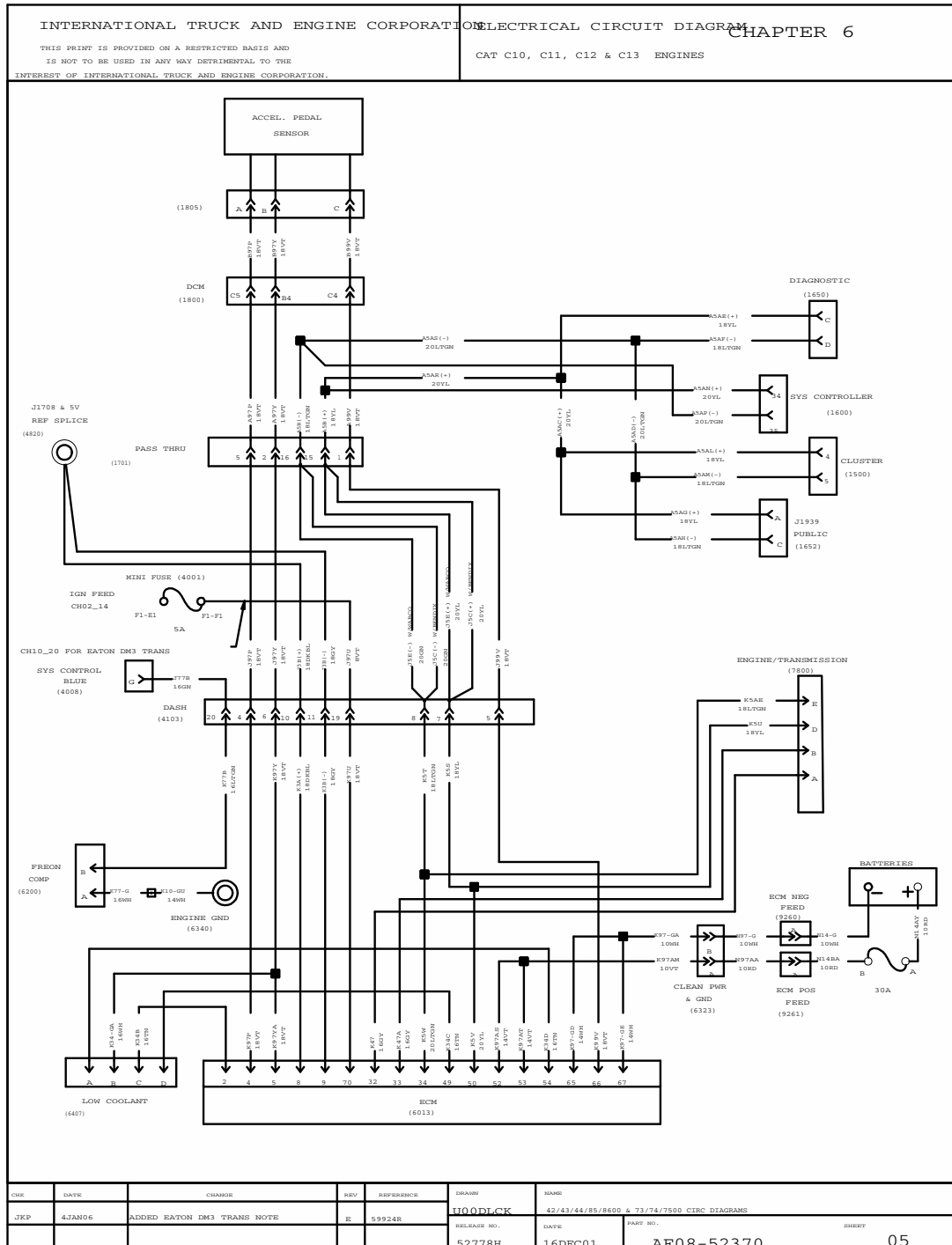


Figure 63 Caterpillar C10, C11, C12, and C13 Engines

7.6. CUMMINS ISM ENGINE, P. 6

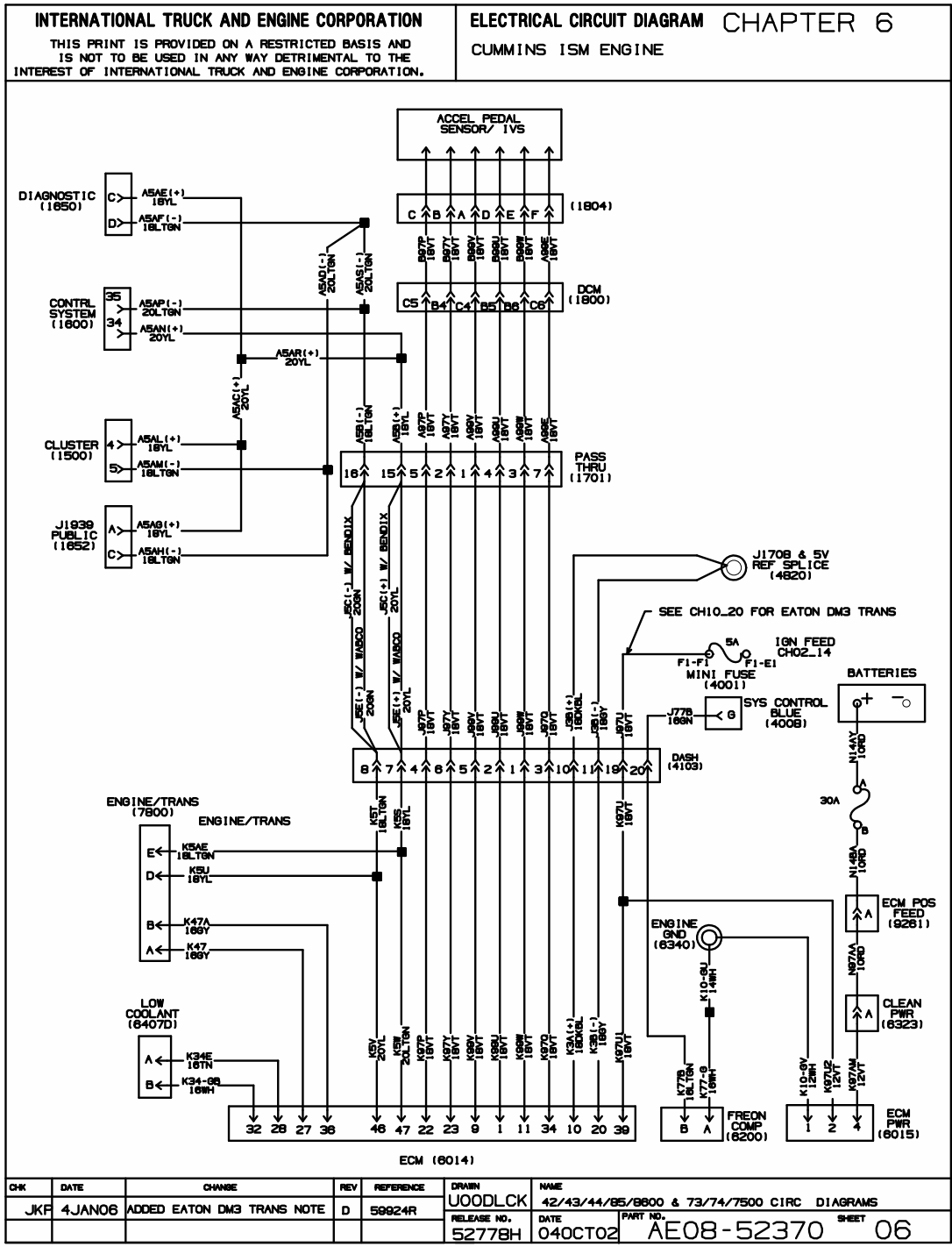


Figure 64 Cummins ISM Engine



7.7. I6 HEUI ENGINE, P. 7

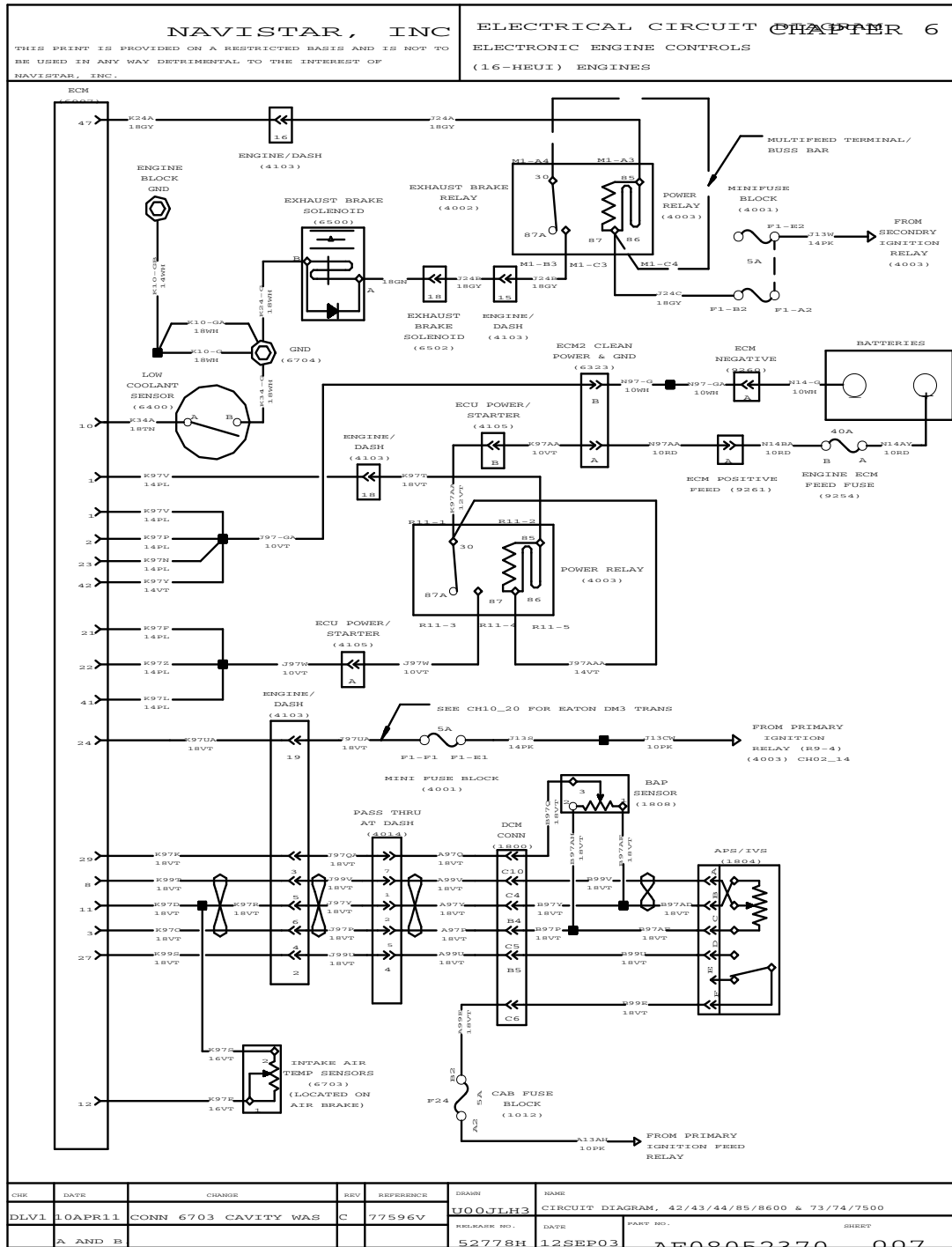


Figure 65 I6 HEUI Engine

7.8. 16 HEUI ENGINE CRUISE CONTROL AND BODY BUILDER CONNECTIONS WITH MANUAL TRANSMISSION, P. 8

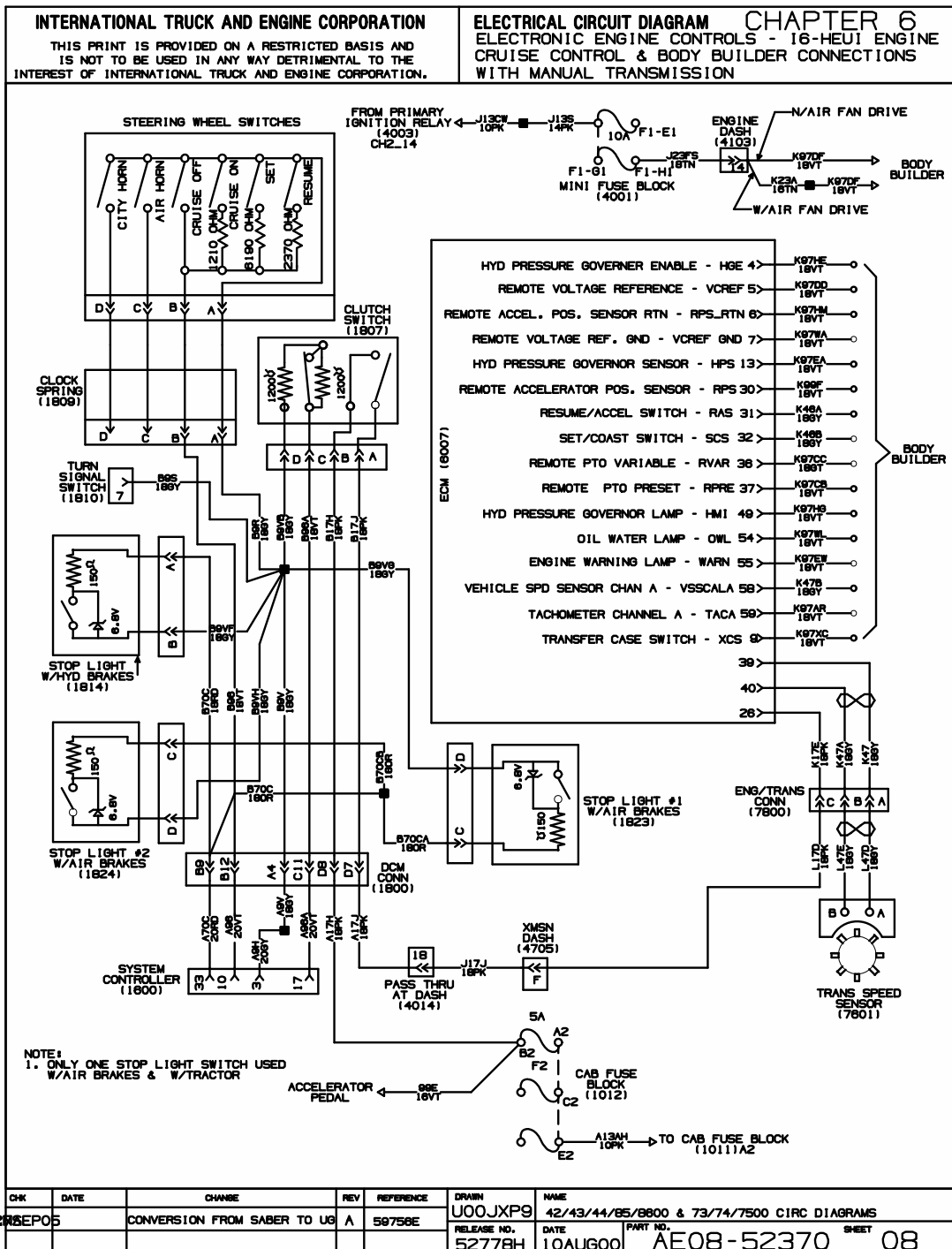


Figure 66 16 HEUI Engine Cruise Control and Body Builder Connections with Manual Transmission

# GAUGES WITH AND WITHOUT INTEGRAL WARNING LIGHT (CHAPTER 7)

## 8.1. IP/GAUGE LIST, P. 1

INTERNATIONAL TRUCK AND ENGINE CORPORATION THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF INTERNATIONAL TRUCK AND ENGINE CORPORATION.		ELECTRICAL CIRCUIT DIAGRAM IP/GAUGES		CHAPTER 7	
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INSTRUMENT PANEL GAUGES			
GAUGE	WARN LIGHT	SIGNAL PATH	SENSOR LOCATION
RPM (TACH)	NO	ENGINE CTRLR/DRIVE TRAIN J1939/CLUSTER	ENGINE
MPH/KPH (SPD)	NO	ENGINE CTRLR/DRIVE TRAIN J1939/CLUSTER	TRANSMISSION
FUEL	YES	SYSTEM CTRLR/DRIVE TRAIN J1939/CLUSTER	FUEL TANK
VOLT	YES	SYSTEM CTRLR/DRIVE TRAIN J1939/CLUSTER	-----
AIR 1 (PRES)	YES	SYSTEM CTRLR/DRIVE TRAIN J1939/CLUSTER	INSIDE CAB - DASH PNL
AIR 2 (PRES)	YES	SYSTEM CTRLR/DRIVE TRAIN J1939/CLUSTER	STEERING COL AREA
WATER (TEMP)	YES	ENGINE CTRLR/DRIVE TRAIN J1939/CLUSTER	ENGINE
ENG OIL (TEMP)	YES	ENGINE CTRLR/DRIVE TRAIN J1939/CLUSTER	ENGINE
OIL (PRES)	YES	ENGINE CTRLR/DRIVE TRAIN J1939/CLUSTER	ENGINE
TRANS. (TEMP)	YES	XMSN CTRLR/SYSTEM CTRLR/DRIVE TRAIN J1939/CLUSTER	TRANSMISSION
AIR APPLICATION	NO	SYSTEM CTRLR/DRIVE TRAIN J1939/CLUSTER	FWD CHASSIS
REAR AXLE TEMP	YES	SYSTEM CTRLR/DRIVE TRAIN J1939/CLUSTER	AXLE

NOTES:  
1) WARNING LIGHTS ARE PART OF THE GAUGES AND LOCATED IN THE GAUGE

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME		
PEC	16JAN01	PRODUCTION RELEASE.	A	P54304U	U00JXP9	42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS		
					RELEASE NO.	DATE	PART NO.	SHEET
					P52778H	09AUG00	AE08-52371	01

Figure 67 IP/Gauge List

8.2. WARNING LIGHT LIST, P. 2

INTERNATIONAL TRUCK AND ENGINE CORPORATION				ELECTRICAL CIRCUIT DIAGRAM CHAPTER 7			
THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF INTERNATIONAL TRUCK AND ENGINE CORPORATION.				WARNING LIGHTS LIST			
IP WARNING LIGHTS							
WARNING LIGHT TITLE	SIGNAL PATH					SENSOR LOCATION	
RANGE INHIBITED	TRANS CTRLR/DRIVE TRAIN J1939/CLUSTER						
FUEL FILTER	SYSTEM CTRLR/DRIVE TRAIN J1939/CLUSTER					FUEL FILTER	
ENGINE (YELLOW LED)	ENGINE CTRLR/DRIVE TRAIN J1939/CLUSTER						
ENGINE (RED LED)	ENGINE CTRLR/DRIVE TRAIN J1939/CLUSTER						
BRAKE PRESSURE (O)	SYSTEM CTRLR/DRIVE TRAIN J1939/CLUSTER					SWITCH	
BRAKE FLUID	SYSTEM CTRLR/DRIVE TRAIN J1939/CLUSTER					BRK RESEVOIR	
TRAC CTRL	TRUCK ABS CTRLR/DRIVE TRAIN J1939/CLUSTER						
CHECK TRANS	TRANS CTRLR/DRIVE TRAIN J1939/CLUSTER						
TRAILER ABS	TRLR ABS CTRLR/DRIVE TRAIN J1939/CLUSTER						
WASHER FLUID (LEFT TURN)	SYSTEM CTRLR/DRIVE TRAIN J1939/CLUSTER					WASHER BOTTLE	
AIR BAG	DISCRETE NOT ON DATA BUS					TURN SIG SW	
WATER IN FUEL	SYSTEM CTRLR/DRIVE TRAIN J1939/CLUSTER					FUEL FILTER	
COOLANT LEVEL	ENGINE CTRLR/DRIVE TRAIN J1939/CLUSTER					SURGE TANK	
CHECK ELECT SYS	SYSTEM CTRLR/DRIVE TRAIN J1939/CLUSTER						
PARK (P)	SYSTEM CTRLR/DRIVE TRAIN J1939/CLUSTER					SWITCH	
CRUISE	SYSTEM CTRLR/DRIVE TRAIN J1939/CLUSTER						
ABS (RIGHT TURN)	TRUCK CTRLR/DRIVE TRAIN J1939/CLUSTER						
WAIT TO START	SYSTEM CTRLR/DRIVE TRAIN J1939/CLUSTER						
FASTEN BELTS	ENGINE CTRLR/DRIVE TRAIN J1939/CLUSTER						
(HIGH BEAM IND)	SYSTEM CTRLR/DRIVE TRAIN J1939/CLUSTER						
COLD AMB PROTEC	SYSTEM CTRLR/DRIVE TRAIN J1939/CLUSTER						
RETARD OVERHEAT	TRANS CTRLR/DRIVE TRAIN J1939/CLUSTER					TRANSMISSION	
CHECK AC	SYSTEM CTRLR/DRIVE TRAIN J1939/CLUSTER						
AUTO NEUTRAL	DISCRETE NOT ON DATA BUS					SWITCH	
ALTERNATOR	DISCRETE NOT ON DATA BUS						
PTO/THROTTLE	SYSTEM CTRLR/DRIVE TRAIN J1939/CLUSTER						
OPTIMIZED IDLE	DISCRETE NOT ON DATA BUS						
SNOW VALVE	DISCRETE NOT ON DATA BUS					SNOW VALVE	
FR AXLE DIFF LOCK	DISCRETE NOT ON DATA BUS					FWD RR AXLE	
RR AXLE DIFF LOCK	DISCRETE NOT ON DATA BUS					RR RR AXLE	
MESSAGE WAIT	DISCRETE NOT ON DATA BUS						
PTO	DISCRETE NOT ON DATA BUS						
CONVERTER TEMP	DISCRETE NOT ON DATA BUS						
TOUCHLOC RELEASE	DISCRETE NOT ON DATA BUS						
PARK FLUID	SYSTEM CTRLR/DRIVE TRAIN						
FR AXLE ENGAGED	DISCRETE NOT ON DATA BUS					TRANSFER CASE	
CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME	
50PT05		CONVERSION FROM SABER TO UG	C	59758E	U00JXP9	42/43/44/85/8800 & 73/74/7500 CIRC DIAGRAMS	
					RELEASE NO.	DATE	
					5277BH	09AUG00	
					PART NO.	SHEET	
					AE08-52371	02	

Figure 68 Warning Light List

### 8.3. WARNING LIGHTS CONTROLLED BY ENGINE, TRANSMISSION, ABS CONTROLLER, P. 3

INTERNATIONAL TRUCK AND ENGINE CORPORATION THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF INTERNATIONAL TRUCK AND ENGINE CORPORATION.	ELECTRICAL CIRCUIT DIAGRAM      CHAPTER 7 WARNING LIGHTS CONTROLLED BY ENGINE, TRANSMISSION, ABS CONTROLLER					
<p>THE FOLLOWING WARNING LIGHTS ARE CONTROLLED BY THE ENGINE, TRANSMISSION, OR ABS CONTROLLER OVER THE DATA BUS AND DO NOT HAVE INDEPENDENT CIRCUITRY THAT CAN BE OR NEEDS TO BE SHOWN:</p> <p>RANGE INHIBIT</p> <p>ENGINE (YELLOW LED)</p> <p>ENGINE (RED LED)</p> <p>TRAC CTRL</p> <p>CHECK TRANS</p> <p>TRAILER ABS</p> <p>CHECK ELECTR SYS</p> <p>ABS</p> <p>WAIT TO START</p> <p>RETARD OVERHEAT</p> <p>AUTO NEUTRAL            (NOT ON DATA BUS TO CLUSTER)</p> <p>OPTIMIZED IDLE        (NOT ON DATA BUS TO CLUSTER)</p>						
CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
PEC	16JAN01	PRODUCTION RELEASE.	A	P54304U	U00JXP9	42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS
					RELEASE NO.	DATE
					P52778H	20JUN00
						PART NO.
						AE08-52371
						SHEET
						03

**Figure 69 Warning Lights Controlled by Engine, Transmission, ABS Controller**

8.4. ENGINE OIL PRESSURE AND TEMP, SPEEDOMETER, TACH, VOLTMETER AND WATER TEMP GAUGE CIRCUITS, P. 4

INTERNATIONAL TRUCK AND ENGINE CORPORATION				ELECTRICAL CIRCUIT DIAGRAM      CHAPTER 7			
THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF INTERNATIONAL TRUCK AND ENGINE CORPORATION.				ENG OIL PRESS & TEMP, SPEEDOMETER, TACH, VOLTMETER & WATER TEMP GAUGE CIRCUITS			
<p style="text-align: center;">REFER TO CONSOLIDATED ENGINE/VEHICLE CONTROLLER DIAGNOSTICS MANUAL EGES-175 (DT466), EGES-190 (V8-AVNT), FOR CIRCUIT DIAGRAMS SHOWING INPUT CIRCUITRY FOR THE FOLLOWING DATALINK DRIVEN SYSTEM:</p> <p>ENGINE OIL PRESSURE GAUGE</p> <p>ENGINE OIL TEMPERATURE GAUGE</p> <p>SPEEDOMETER GAUGE</p> <p>TACHOMETER GAUGE</p> <p>WATER TEMPERATURE GAUGE</p>							
CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME	
PEC	16JAN01	PRODUCTION RELEASE.	A	P54304U	U00JXP9	42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS	
					RELEASE NO.	DATE	PART NO.      SHEET
					P52778H	20JUN00	AE08-52371      04

Figure 70 Engine Oil Pressure and Temp, Speedometer, Tach, Voltmeter and Water Temp Gauge Circuits

8.5. IP/GAUGES AND WARNING LIGHTS — GAUGE CLUSTER, P. 5

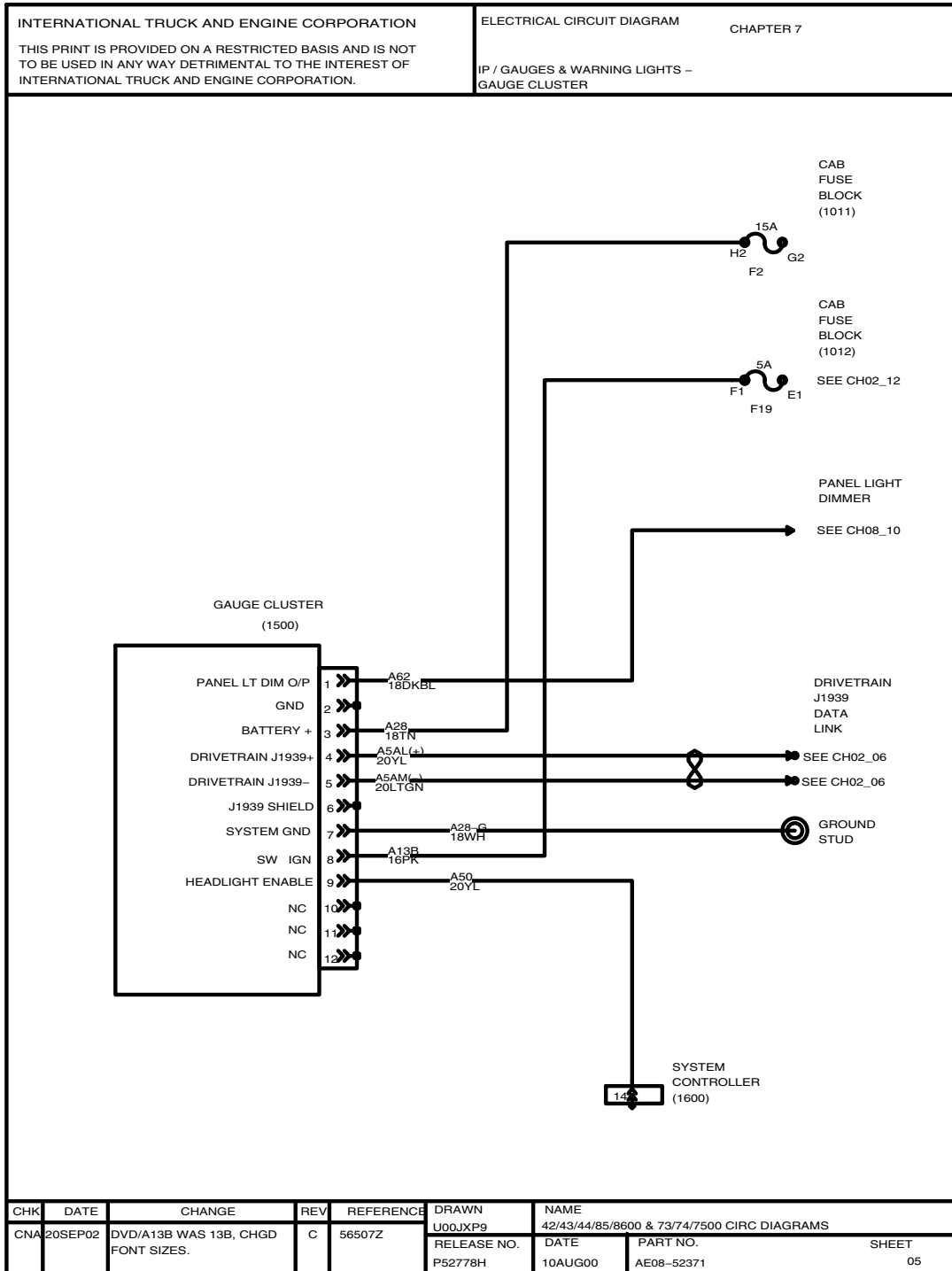


Figure 71 IP/Gauges and Warning Lights — Gauge Cluster

8.6. AIR PRESSURE INPUT CIRCUIT, P. 6

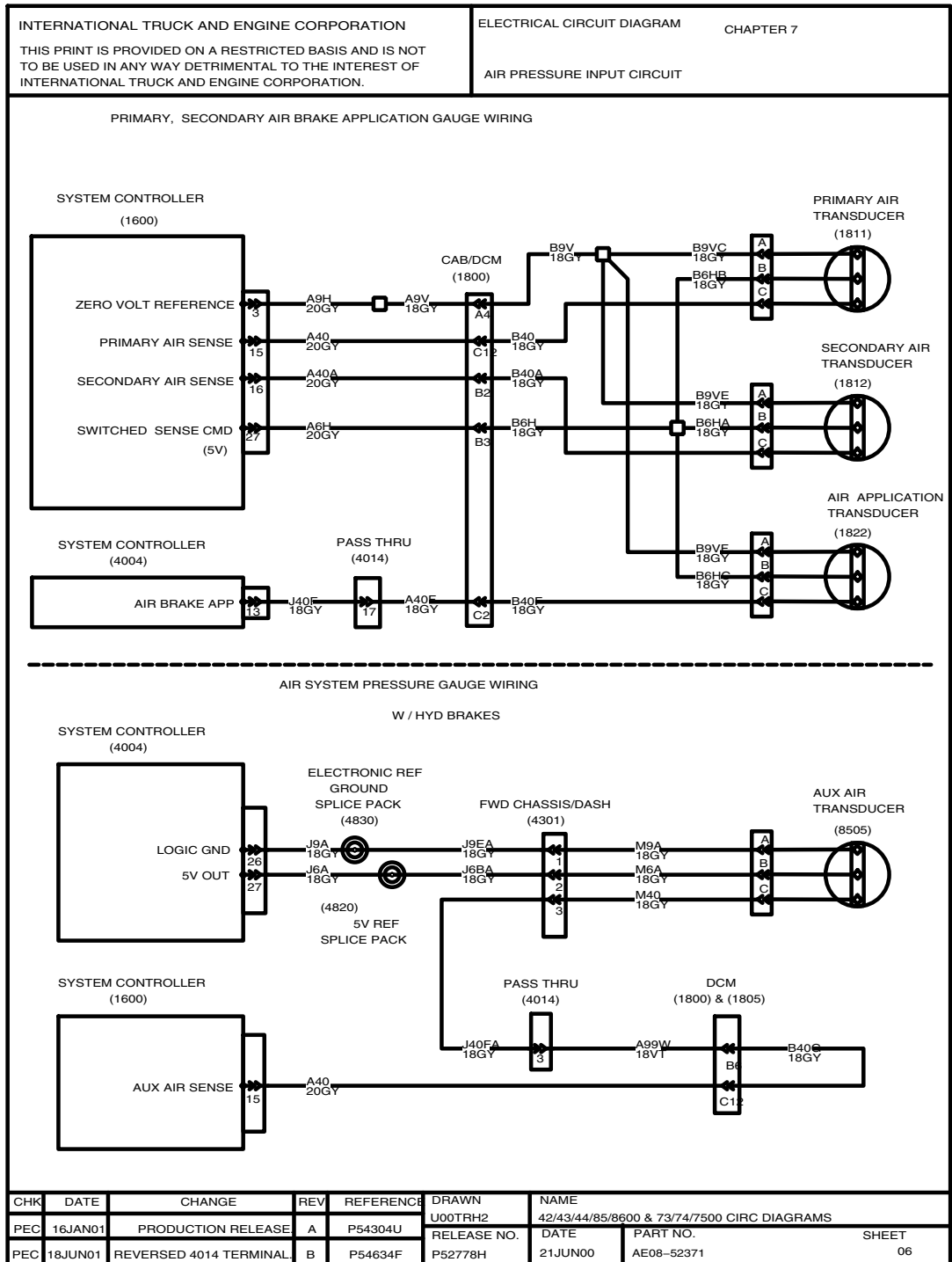


Figure 72 Air Pressure Input Circuit



8.7. AXLE TEMPERATURE, FWD REAR AND REAR AXLES, GAUGE INPUT CIRCUIT, P. 7

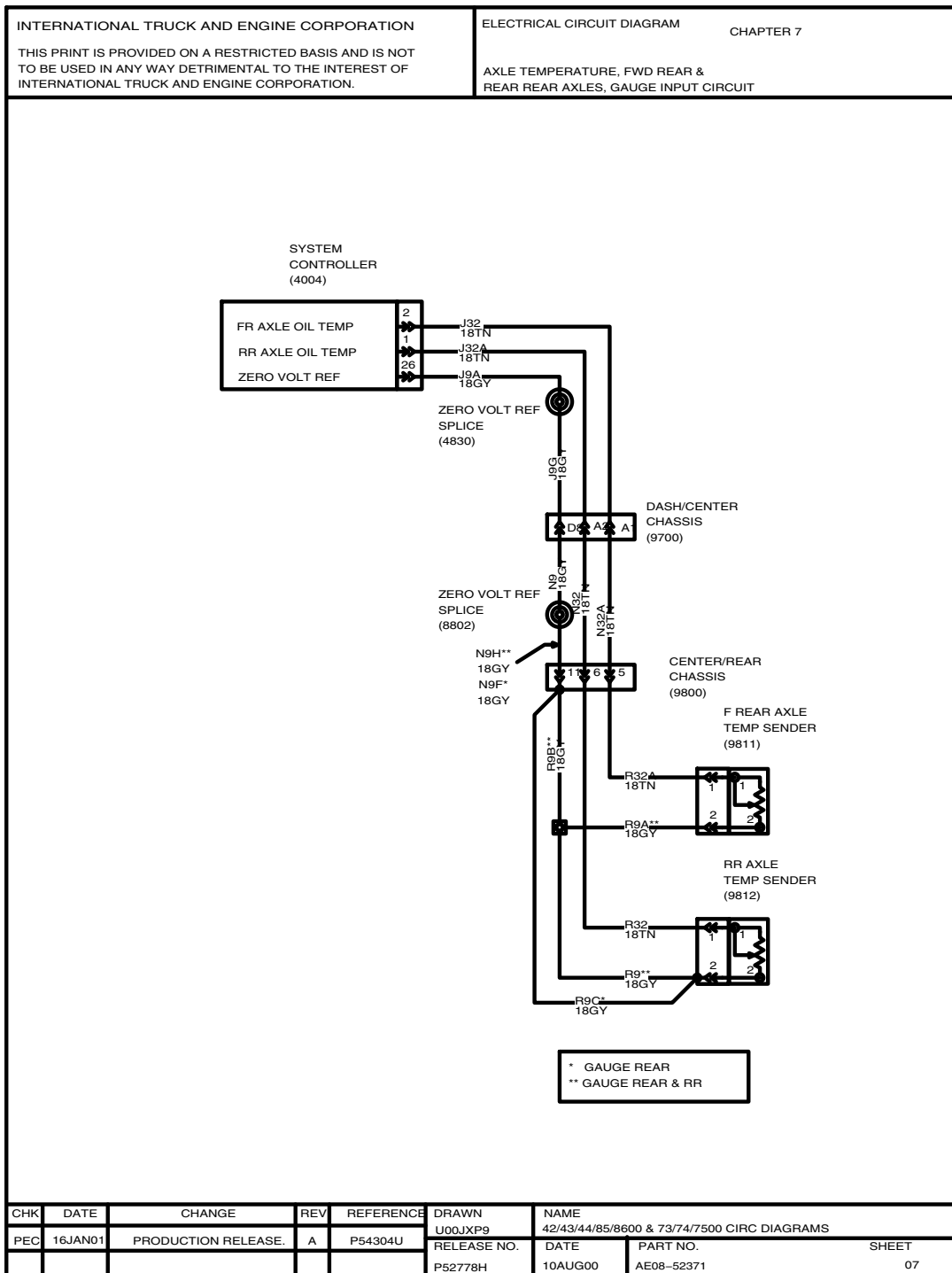


Figure 73 Axle Temperature, FWD Rear and Rear Axles, Gauge Input Circuit

8.8. FUEL GAUGE INPUT CIRCUIT (SINGLE TANK) DIFFERENTIAL LOCK WARNING LAMPS, P. 8

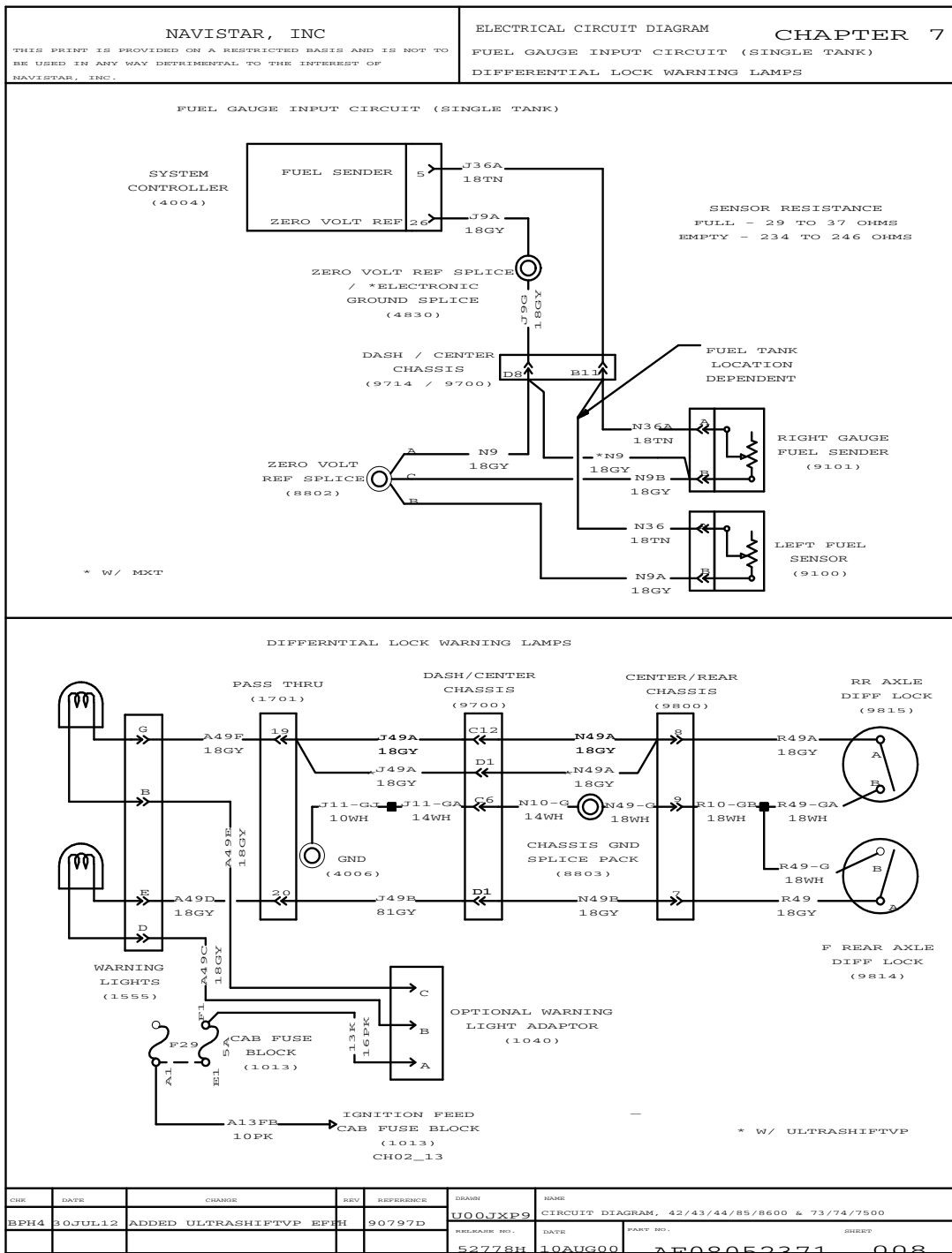


Figure 74 Fuel Gauge Input Circuit (Single Tank) Differential Lock Warning Lamps

8.9. GAUGES AND WARNING LIGHTS — FUEL FILTER RESTRICTION AND WATER IN FUEL LIGHTS, P. 9

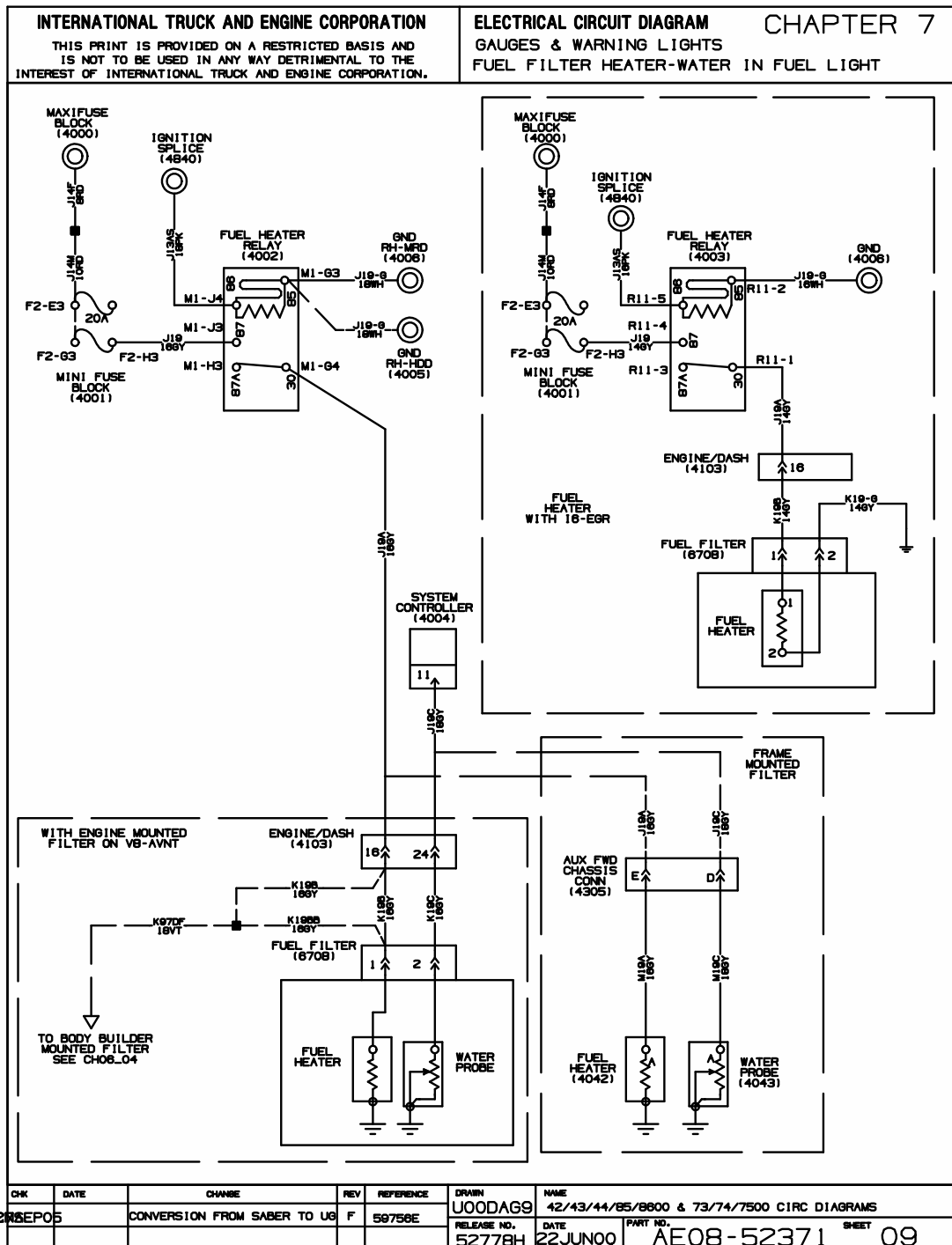


Figure 75 Gauges and Warning Lights — Fuel Filter Restriction and Water in Fuel Lights

8.10. GAUGES AND WARNING LIGHTS — PARK BRAKE LIGHT AND TRANSMISSION OIL TEMP. GAUGE, P. 10

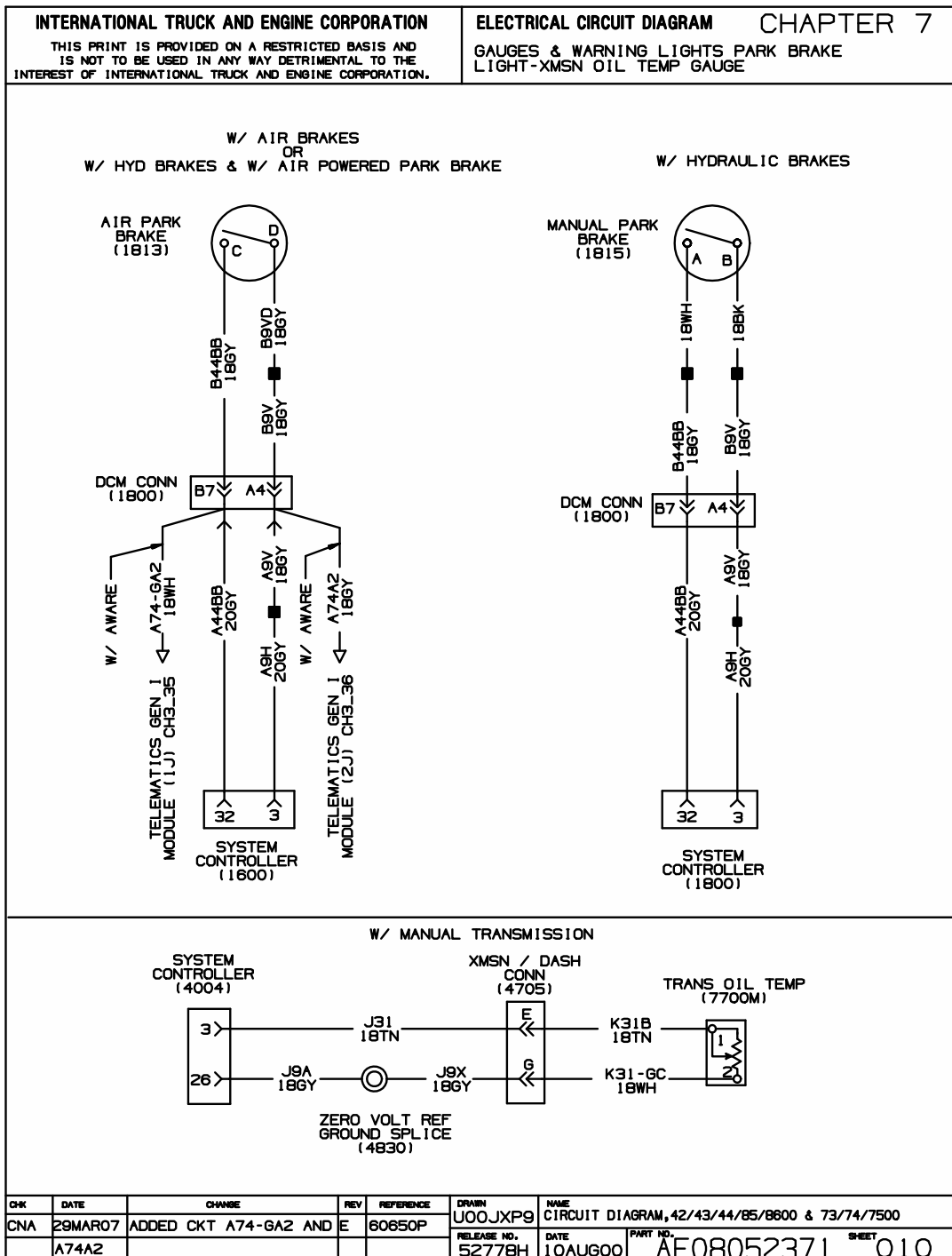


Figure 76 Gauges and Warning Lights — Park Brake Light and Transmission Oil Temp. Gauge

8.11. GAUGES AND WARNING LIGHTS — AMMETER, P. 11

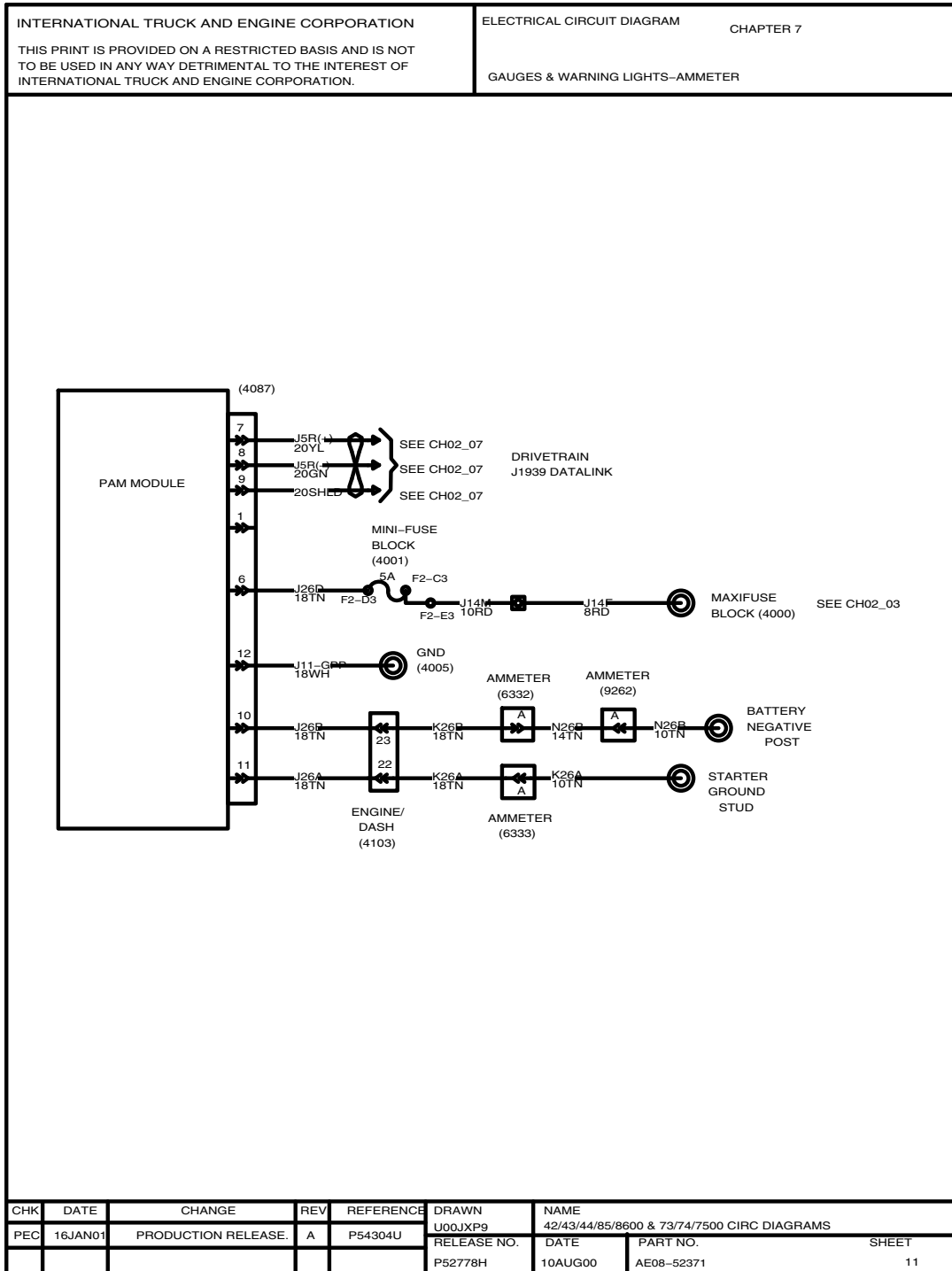


Figure 77 Gauges and Warning Lights — Ammeter

8.12. ENGINE OIL TEMPERATURE GAUGE WITH CATERPILLAR, P. 12

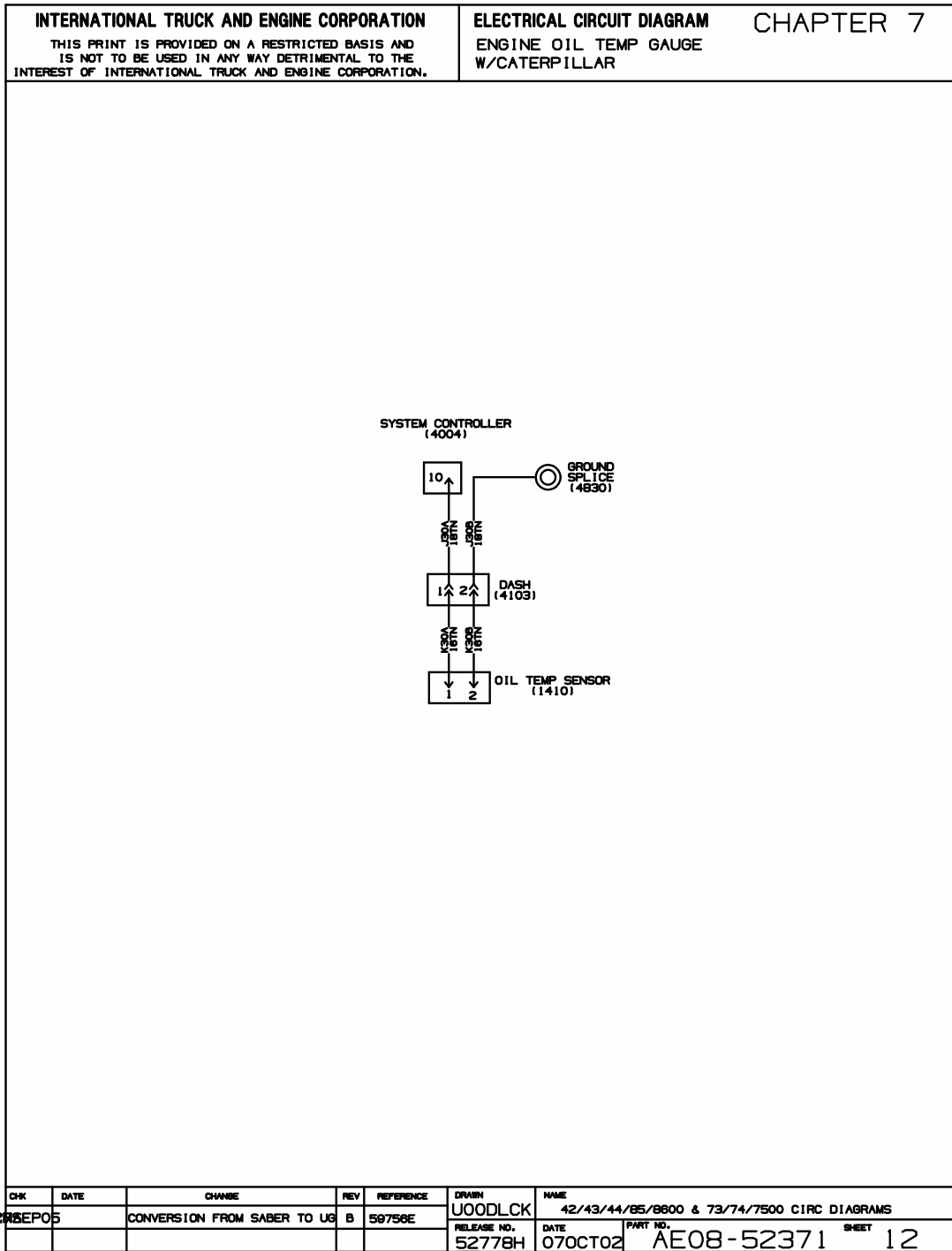


Figure 78 Engine Oil Temperature Gauge With Caterpillar

8.13. FRONT AXLE ENGAGEMENT LAMP, P. 13

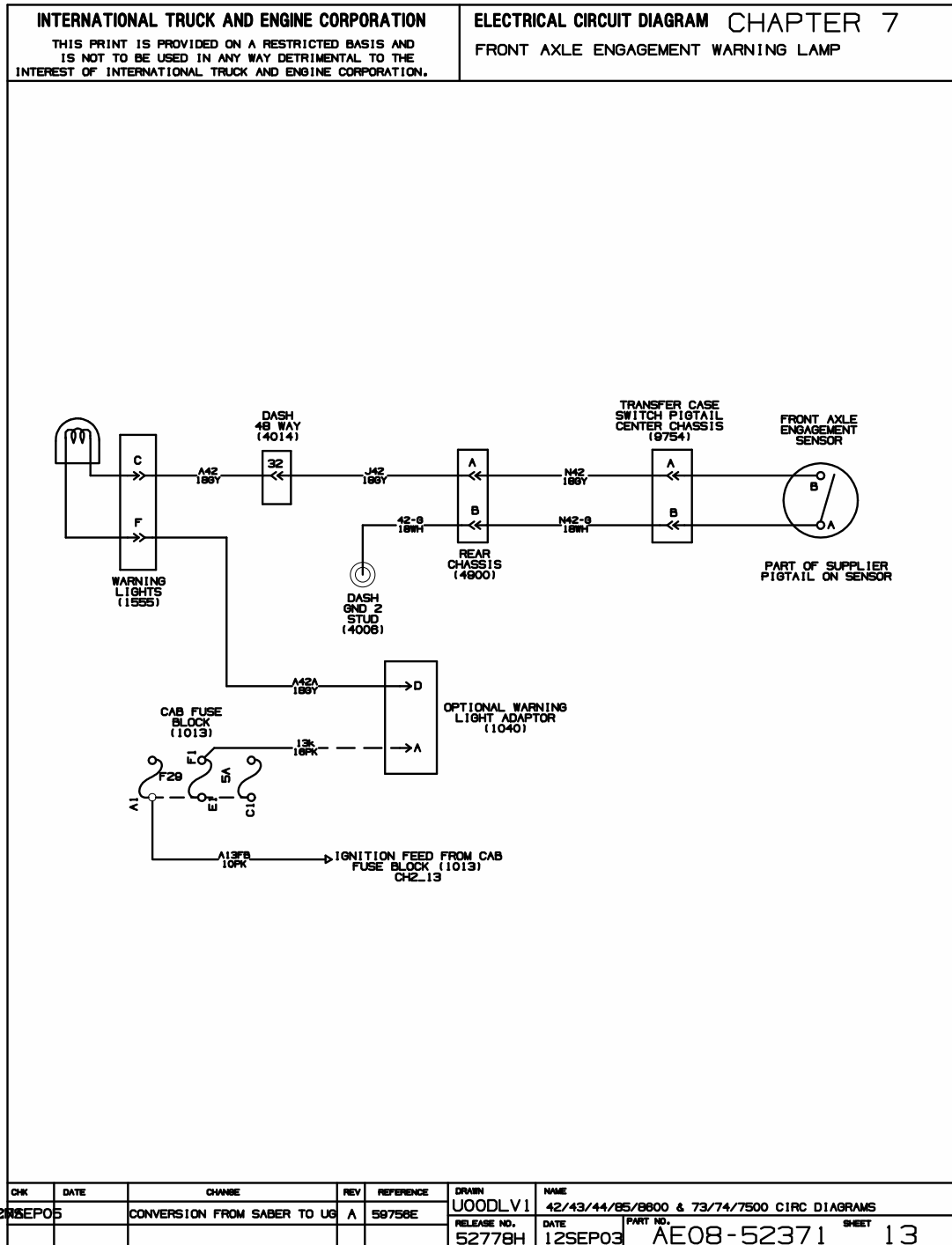


Figure 79 Front Axle Engagement Lamp

# LIGHTS (CHAPTER 8)

## 9.1. BACK UP LIGHTS, P. 1

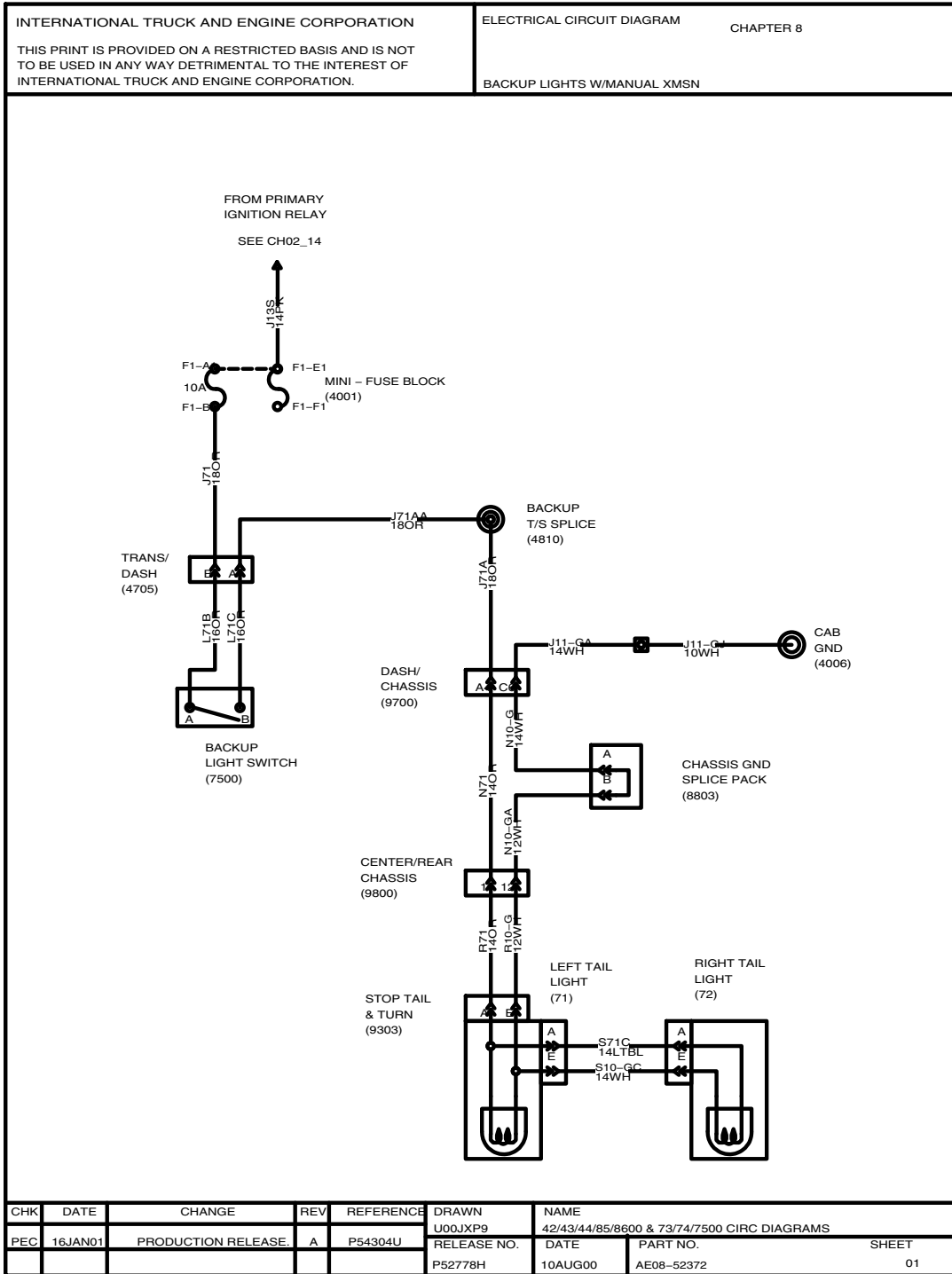


Figure 80 Back Up Lights



9.2. LIGHT SYSTEMS — CLEARANCE, MARKER, PARK, TAIL, TURN AND STOP LAMPS, P. 2

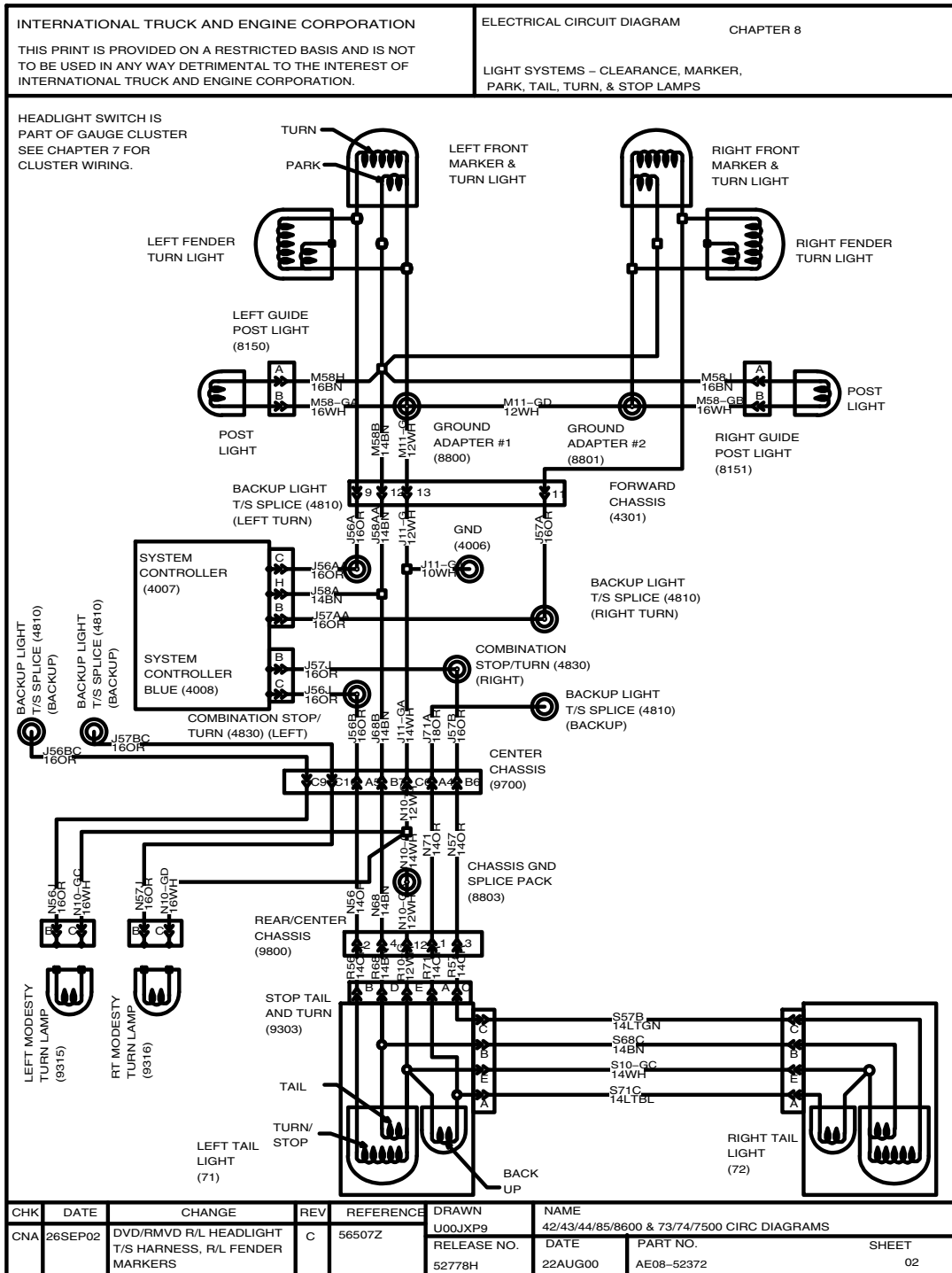


Figure 81 Light Systems — Clearance, Marker, Park, Tail, Turn and Stop Lamps

9.3. LIGHT SYSTEMS — CLEARANCE, MARKER, PARK, TAIL, TURN AND STOP LAMPS (CONT.), P. 3

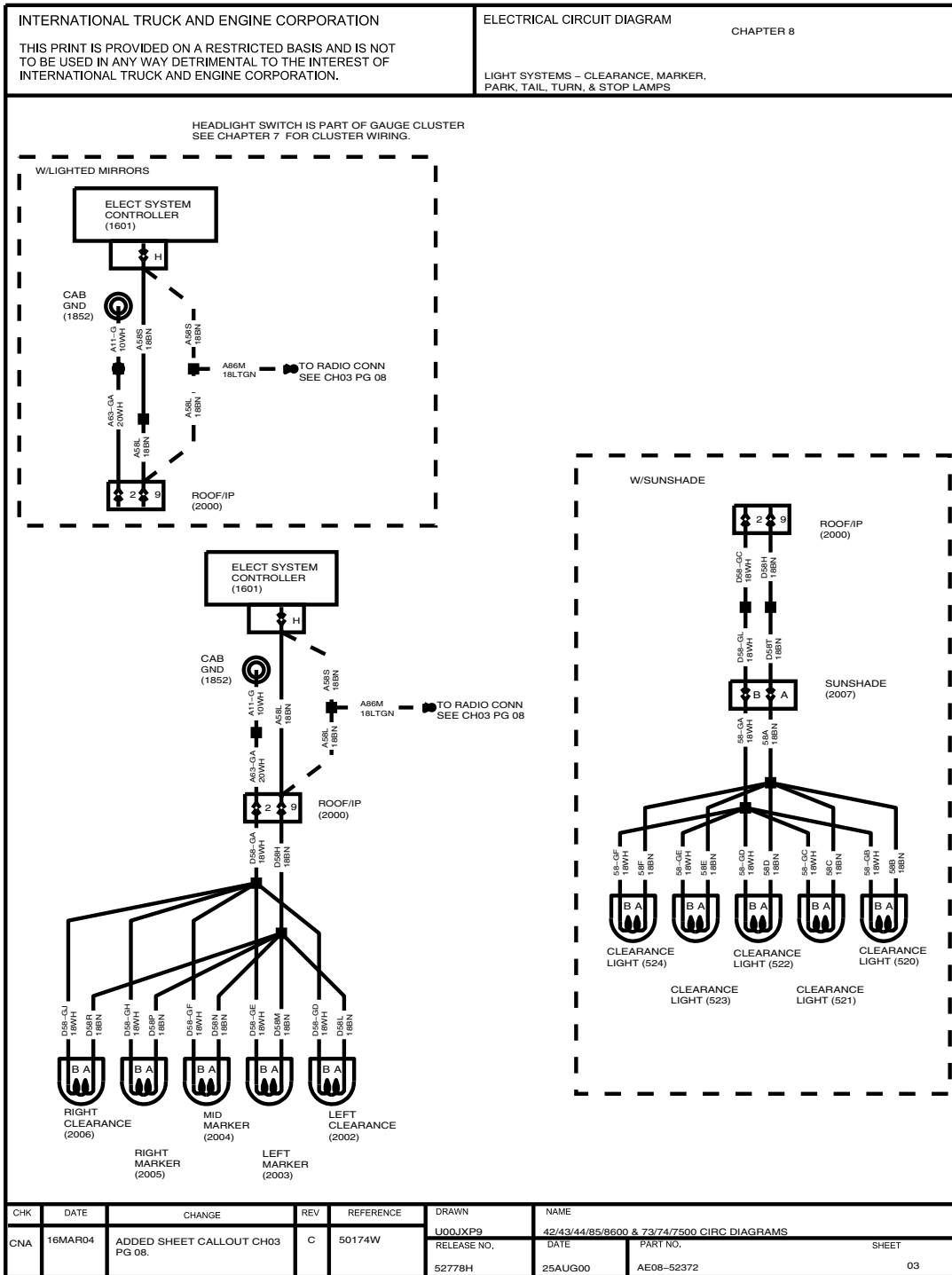


Figure 82 Light Systems — Clearance, Marker, Park, Tail, Turn and Stop Lamps (Cont.)

9.4. LIGHT SYSTEMS — TURN SIGNAL AND STOP SWITCHES, P. 4

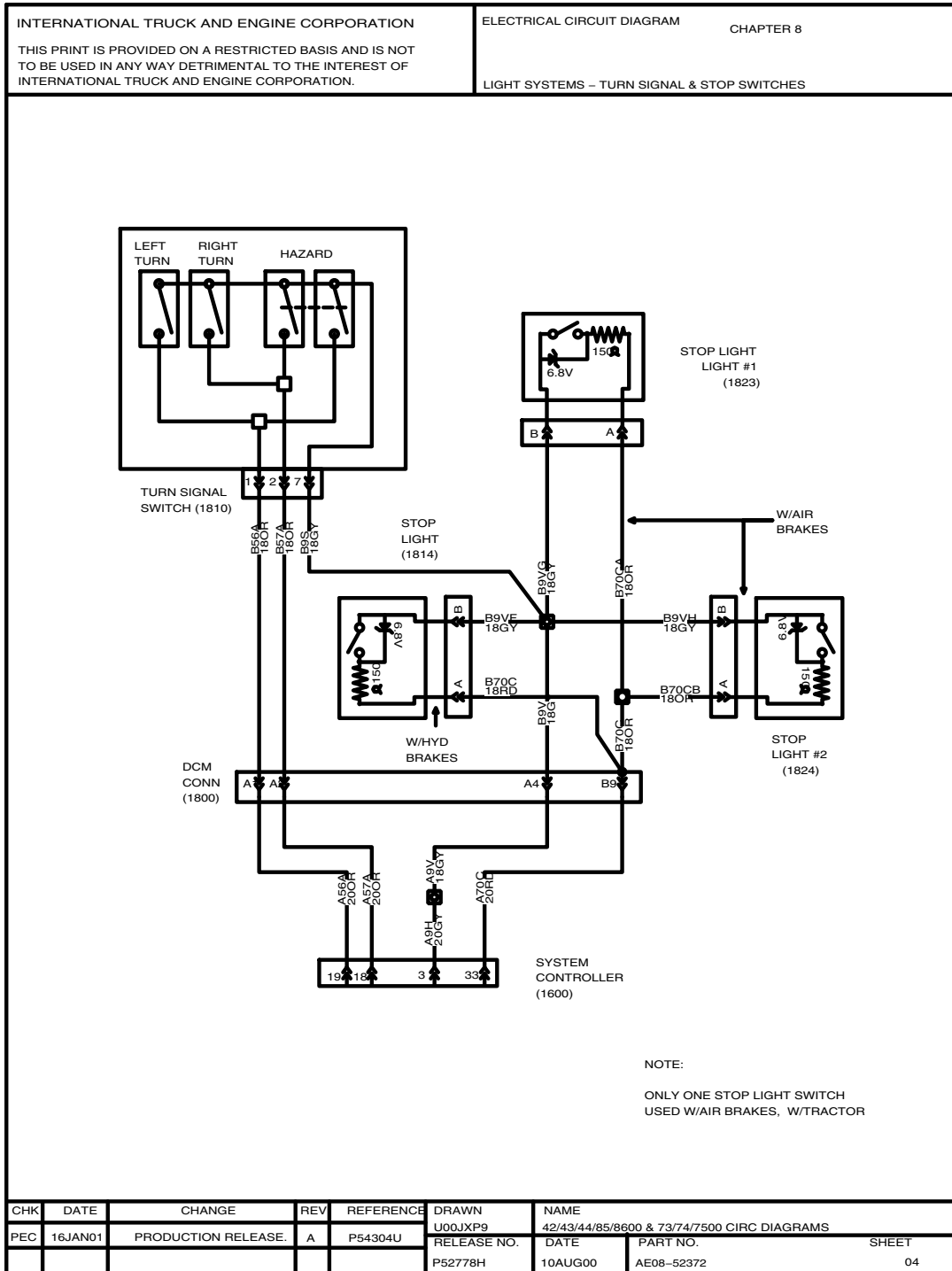


Figure 83 Light Systems — Turn Signal and Stop Switches

9.5. DOME LIGHT, MAP LIGHT, P. 5

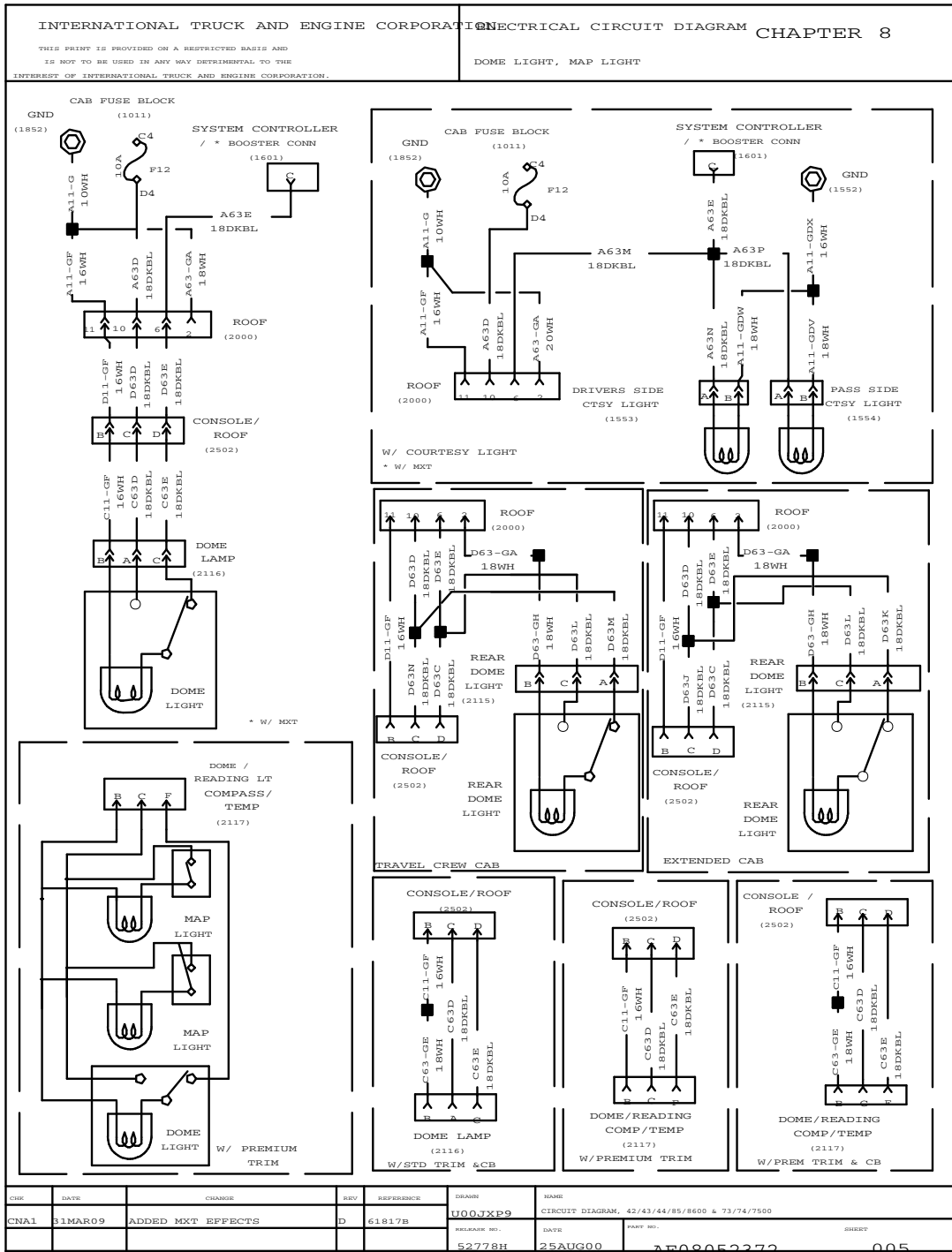


Figure 84 Dome Light, Map Light

9.6. DOME LIGHT, MAP LIGHT (CONT.), P. 6

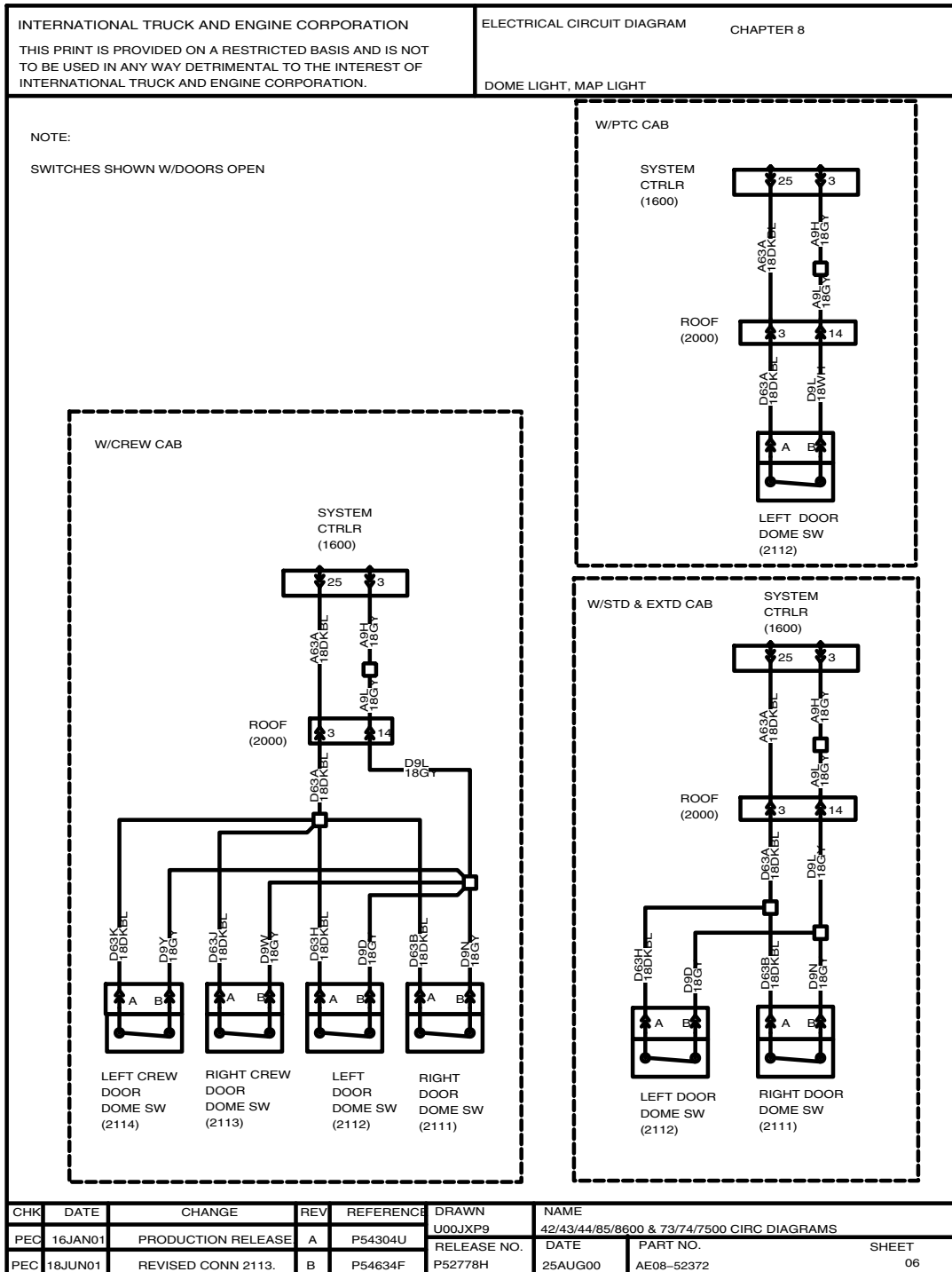


Figure 85 Dome Light, Map Light (Cont.)

9.7. FOG LIGHT AND WORK LIGHT, P. 7

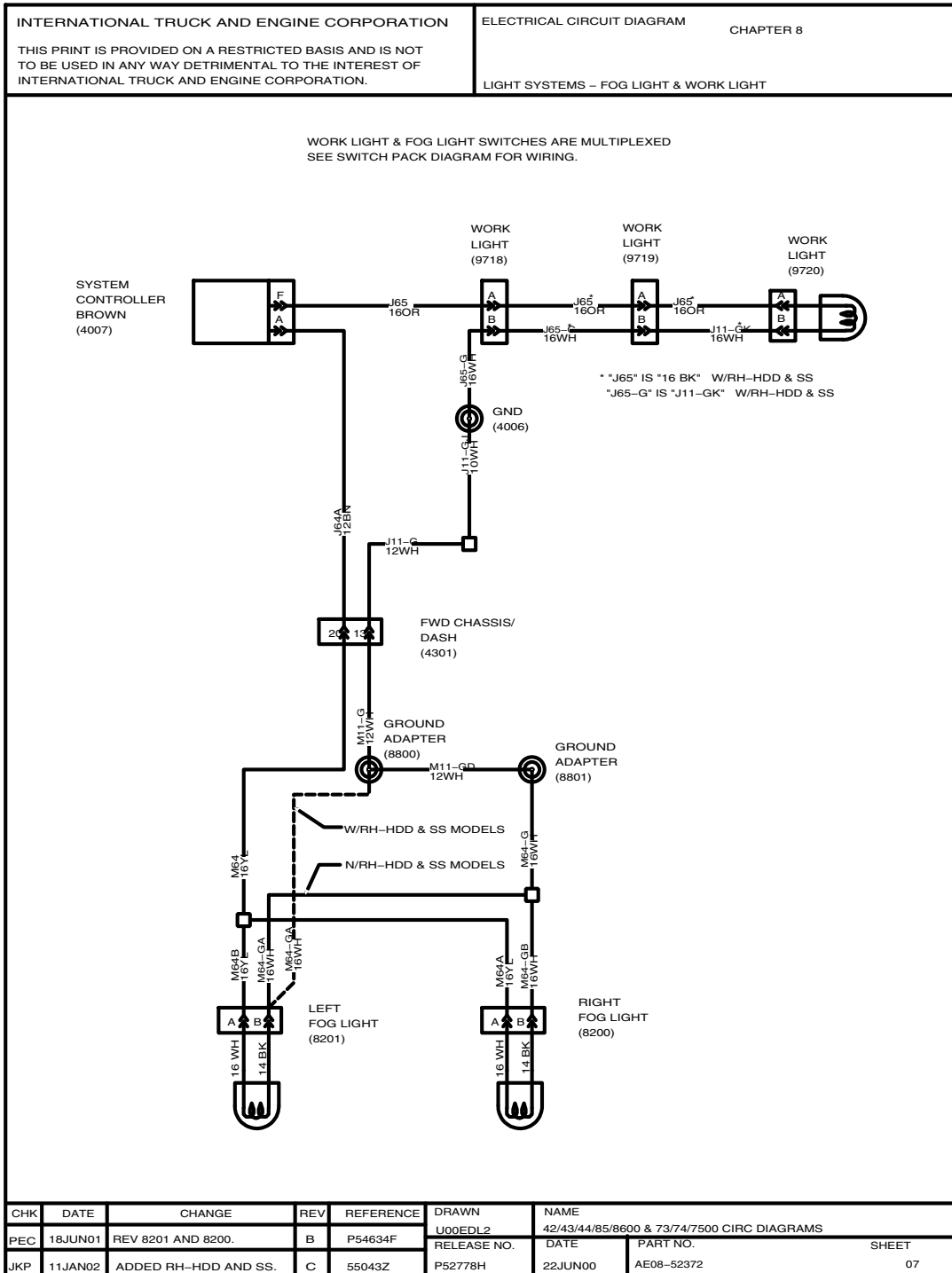


Figure 86 Fog Light and Work Light

9.8. HEADLIGHTS, P. 8

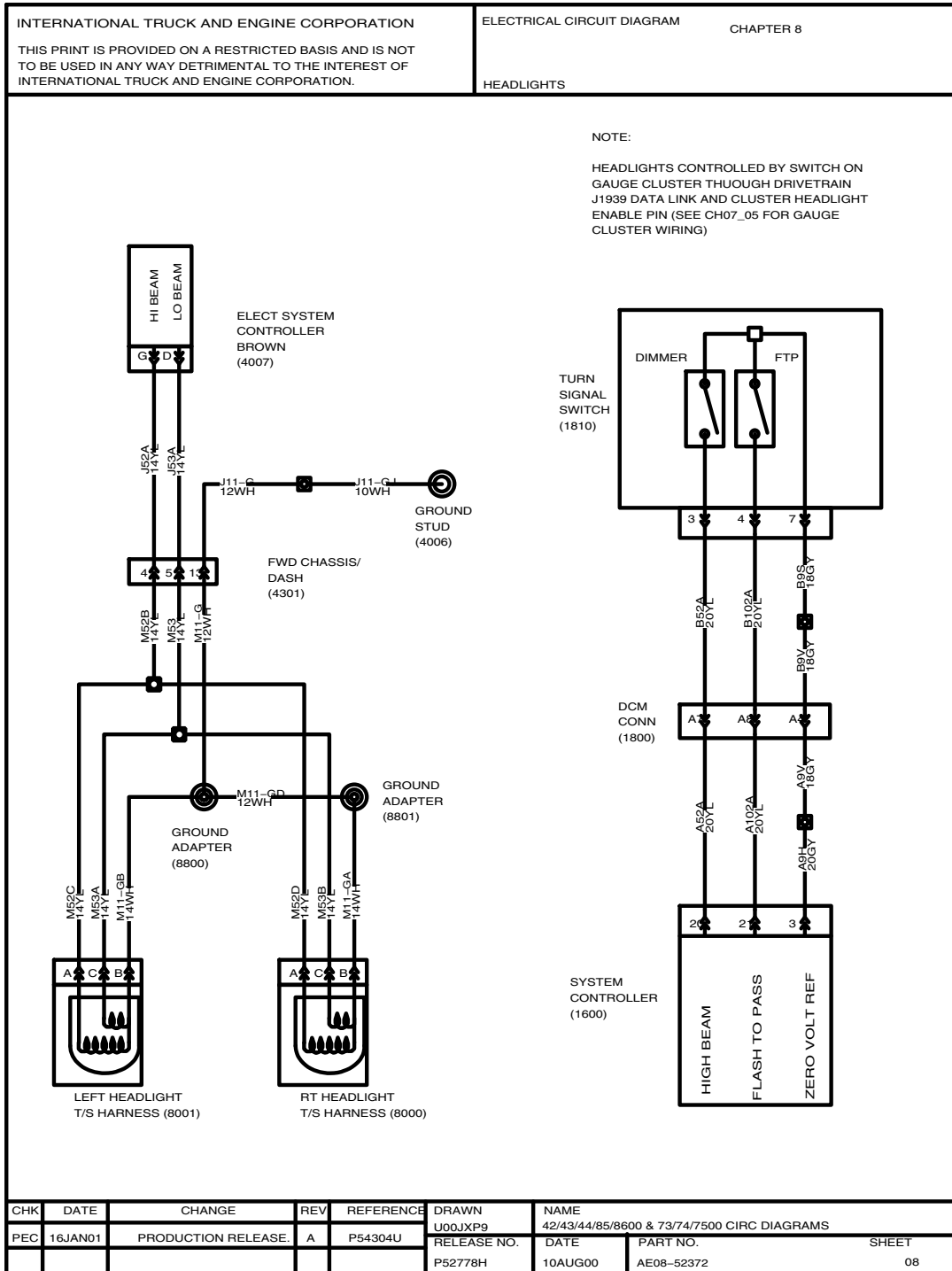


Figure 87 Headlights

9.9. AUX. HEADLIGHTS, AUX. PARK, AUX. TURN, P. 9

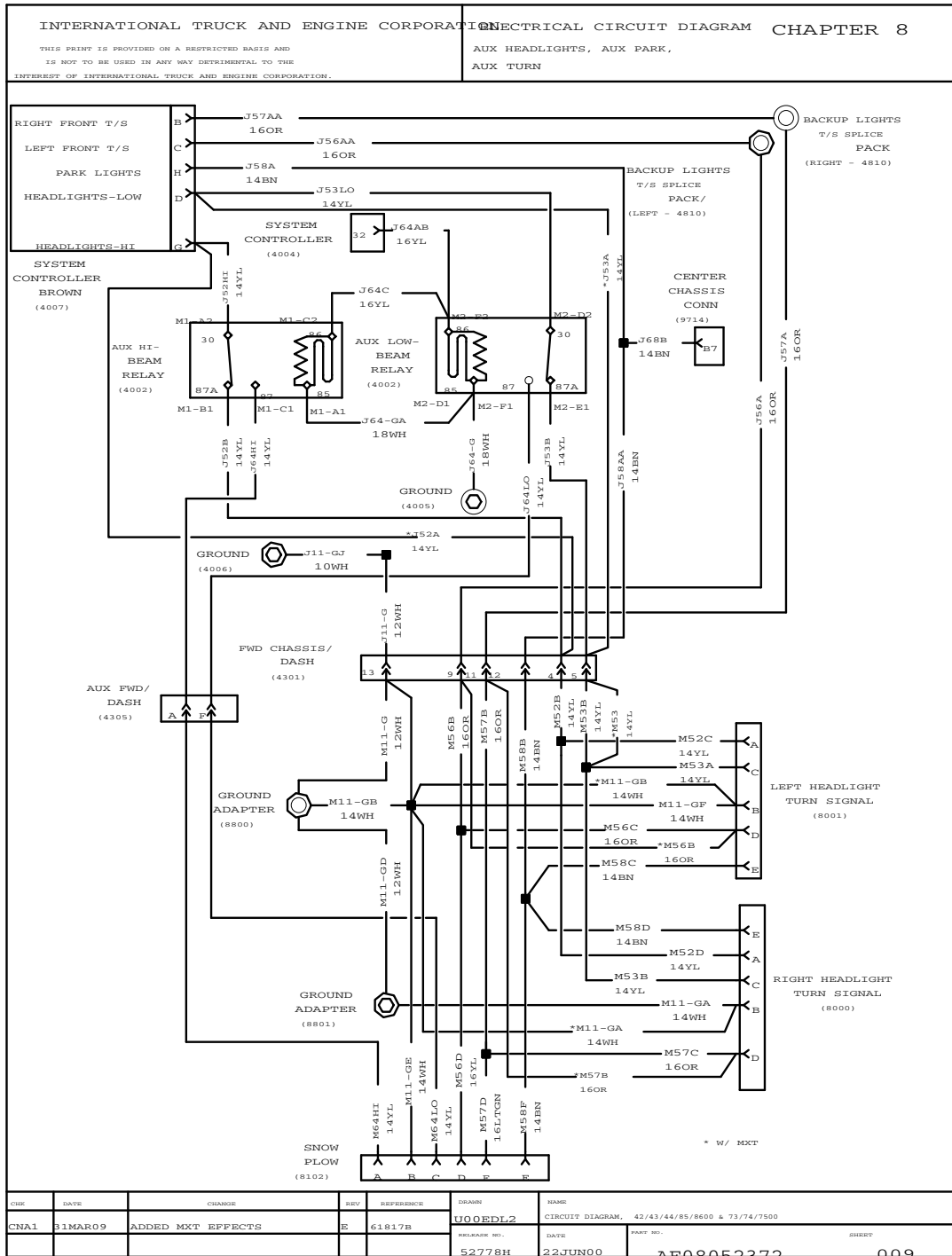


Figure 88 Aux. Headlights, Aux. Park, Aux Turn



9.10. PANEL LIGHTS, P. 10

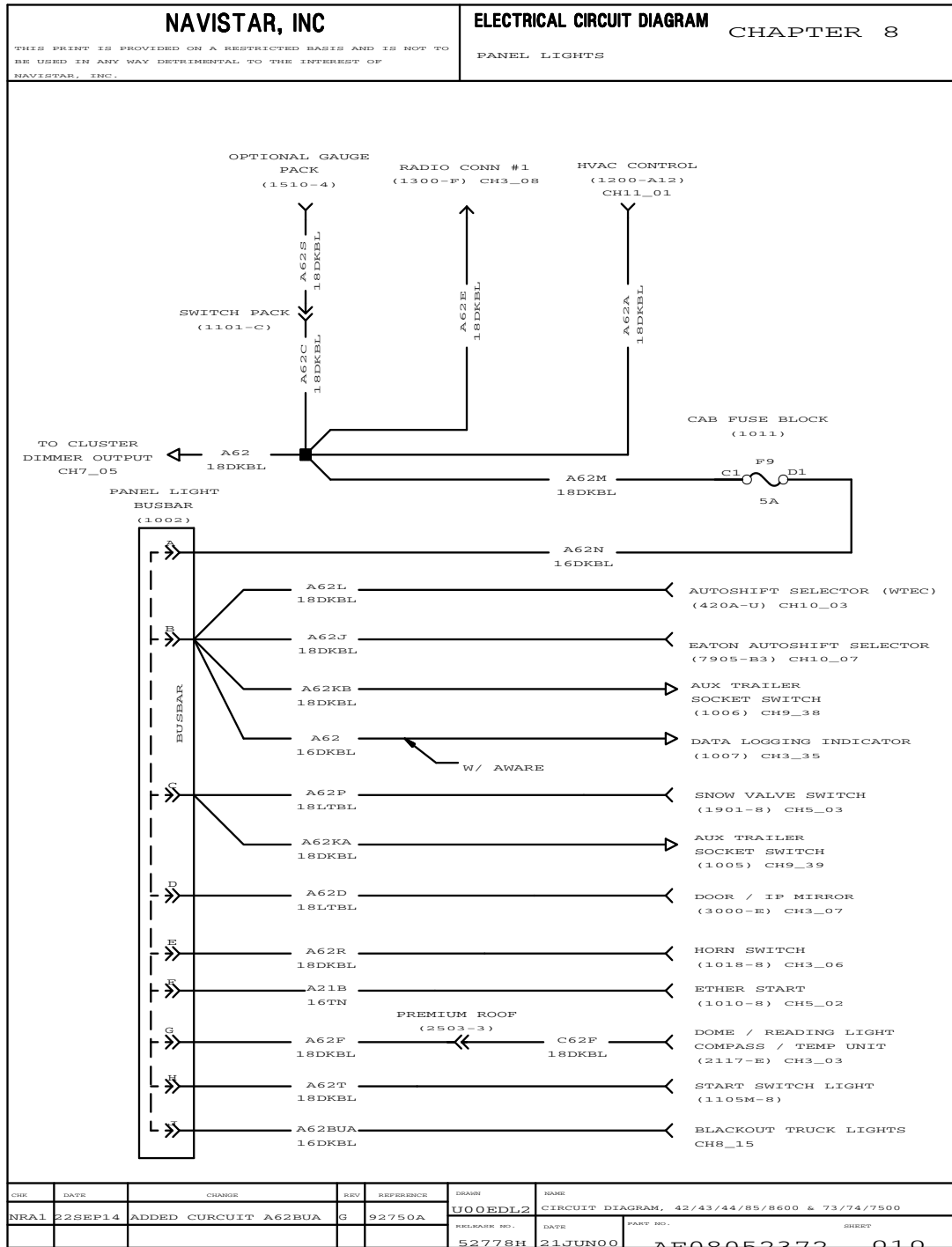


Figure 89 Panel Lights

## CHASSIS ACCESSORIES (CHAPTER 9)

### 10.1. AIR DRYER AND HEATED DRAIN VALVE, P. 1

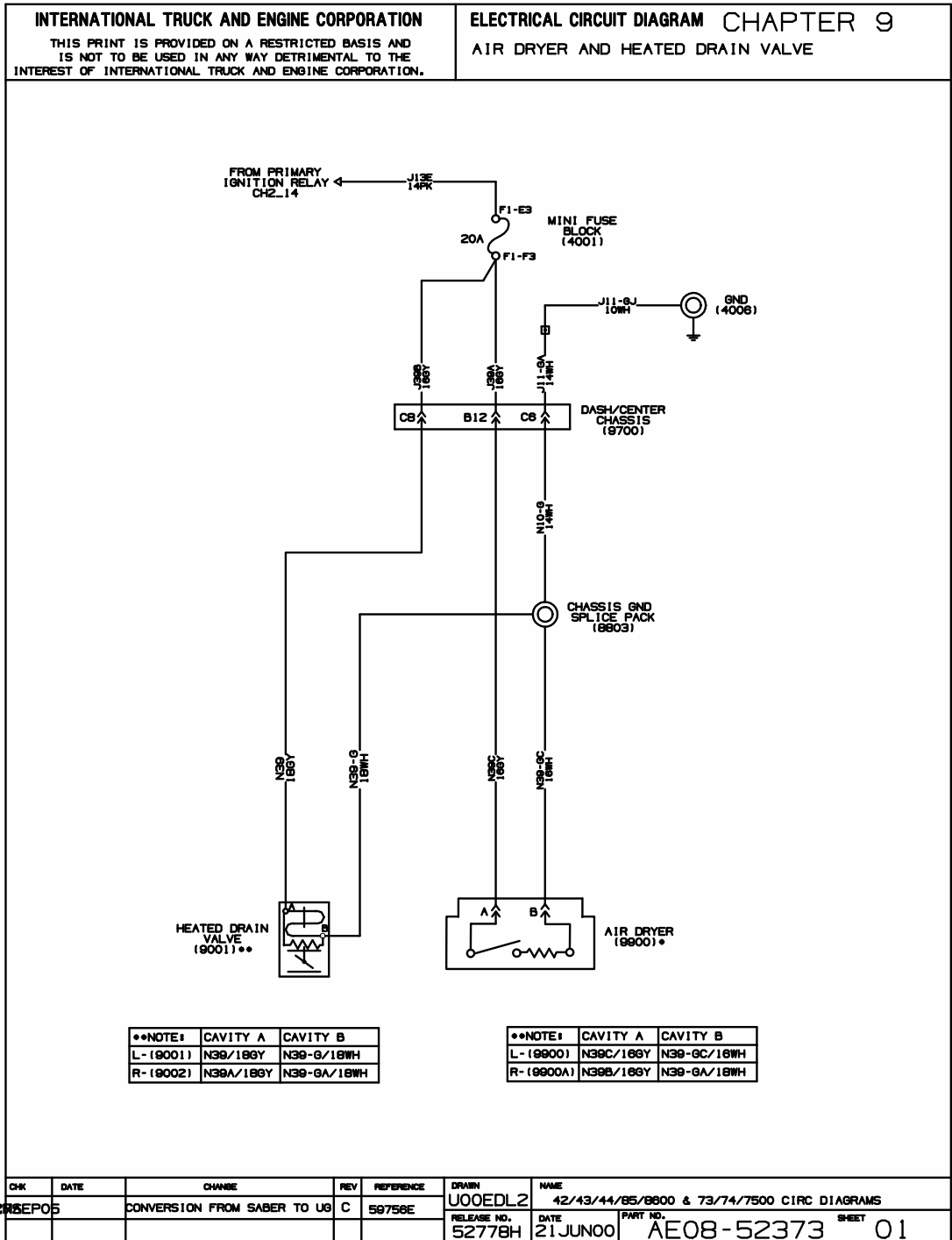


Figure 90 Air Dryer and Heated Drain Valve

10.2. ANTILOCK BRAKE SYSTEM (ABS), AIR, P. 2

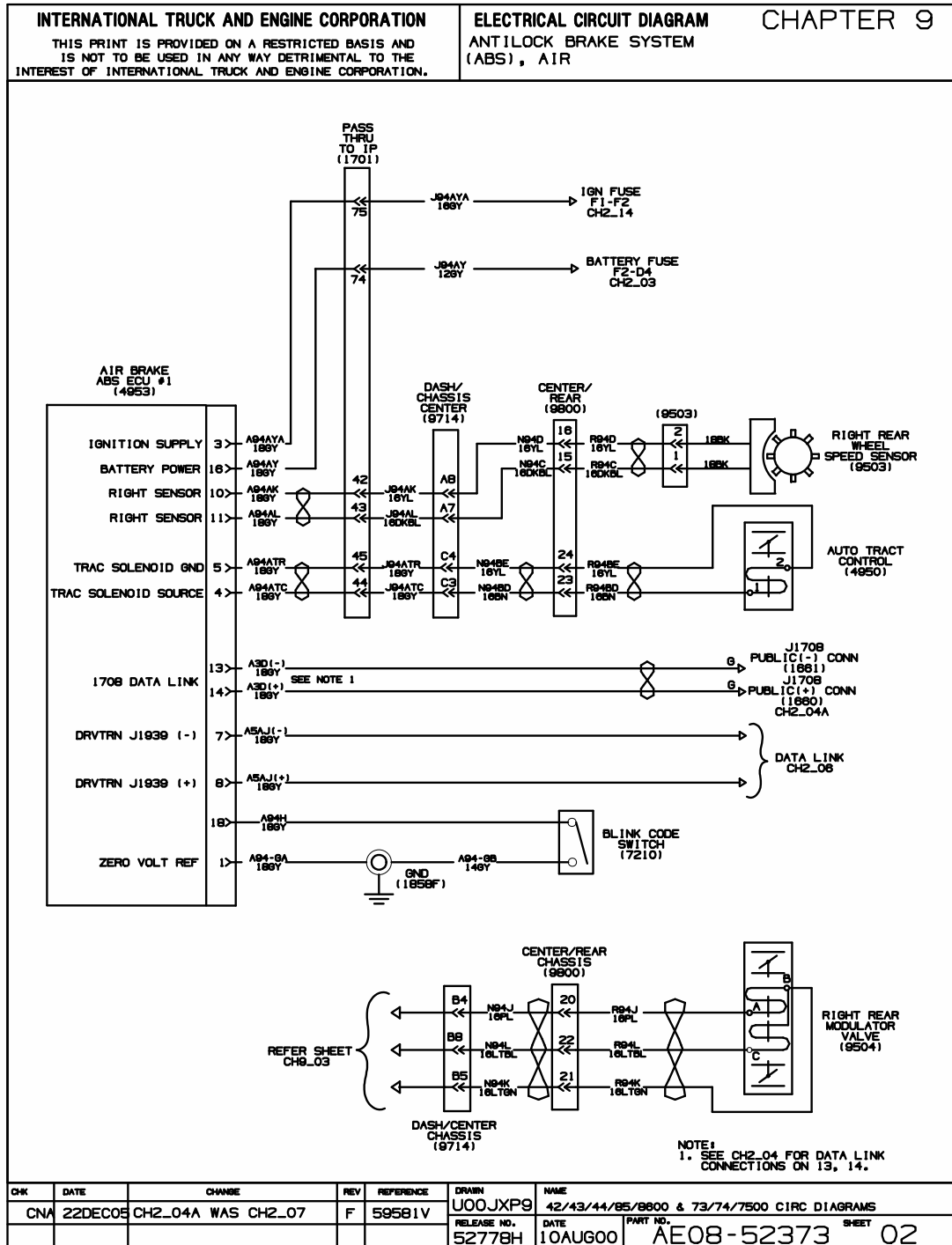


Figure 91 Antilock Brake System (ABS), Air

10.3. ANTILOCK BRAKE SYSTEM (ABS), AIR, TRACTION CONTROL, P. 3

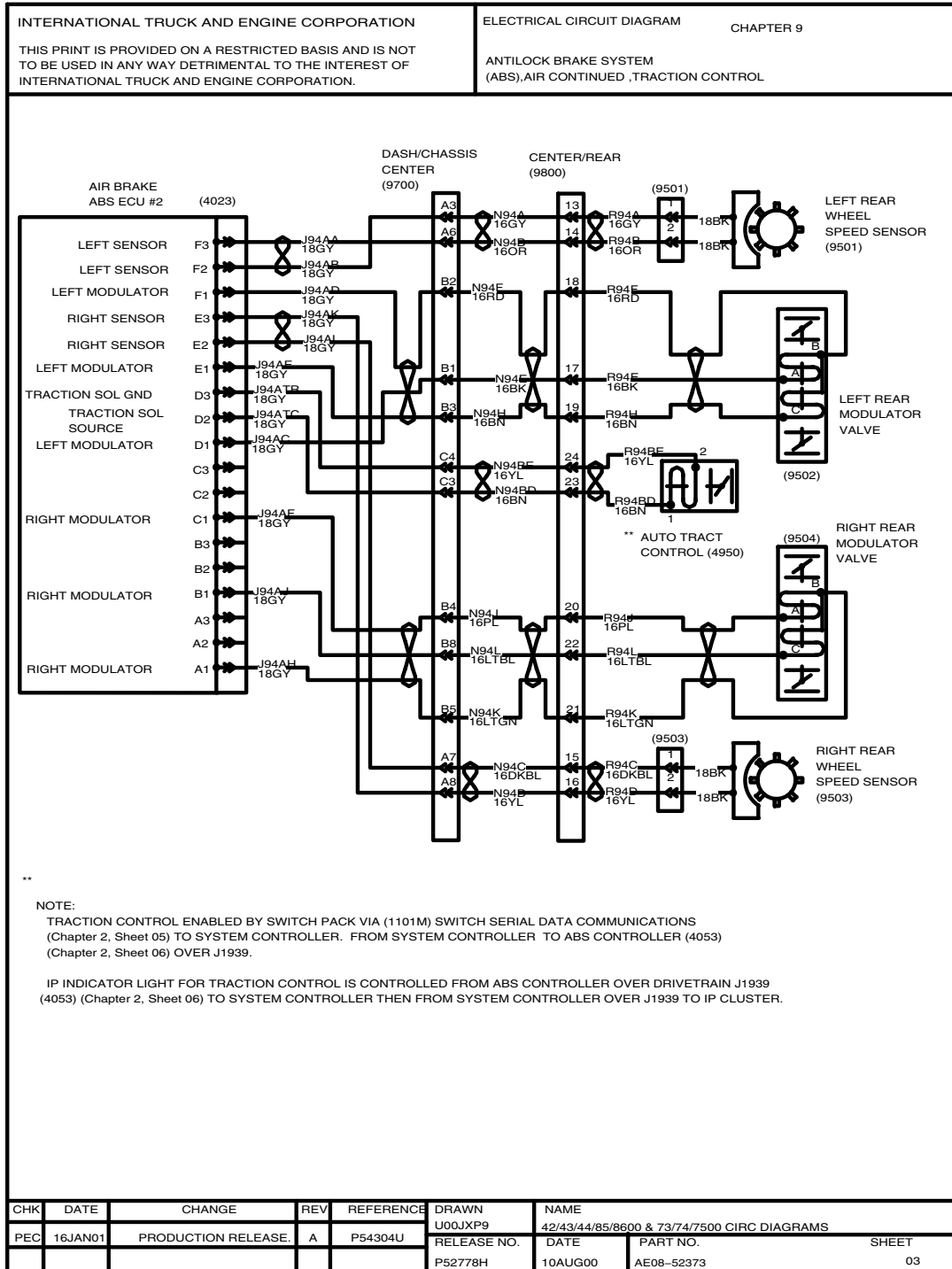


Figure 92 Antilock Brake System (ABS), Air, Traction Control

10.4. ANTILOCK BRAKE SYSTEM (ABS), HYDRAULIC, P. 4

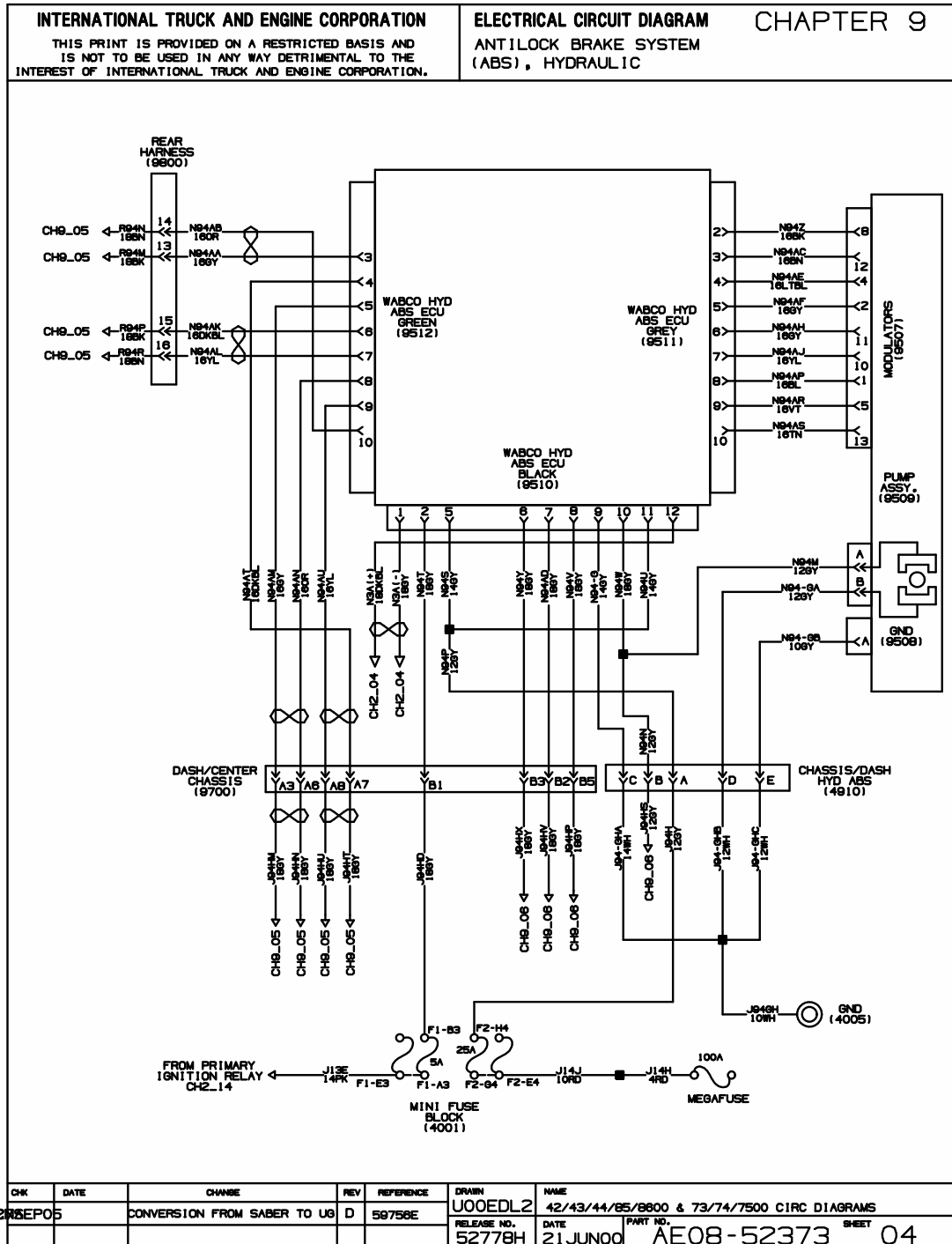


Figure 93 Antilock Brake System (ABS), Hydraulic

10.5. ANTILOCK BRAKE SYSTEM (ABS), HYDRAULIC (CONT.), P. 5

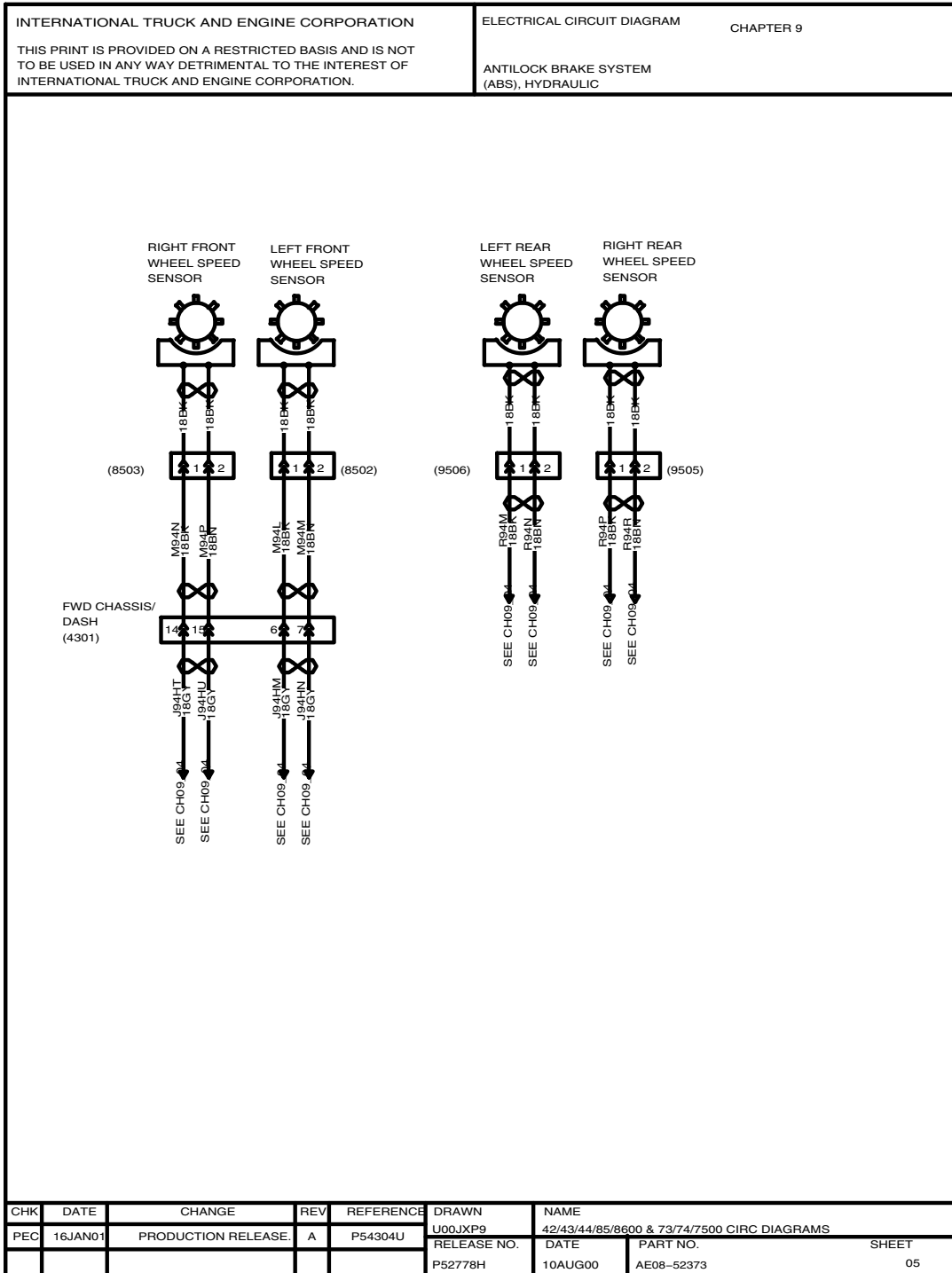


Figure 94 Antilock Brake System (ABS), Hydraulic (Cont.)

10.6. ANTILOCK BRAKE SYSTEM (ABS), HYDRAULIC (CONT.), P. 6

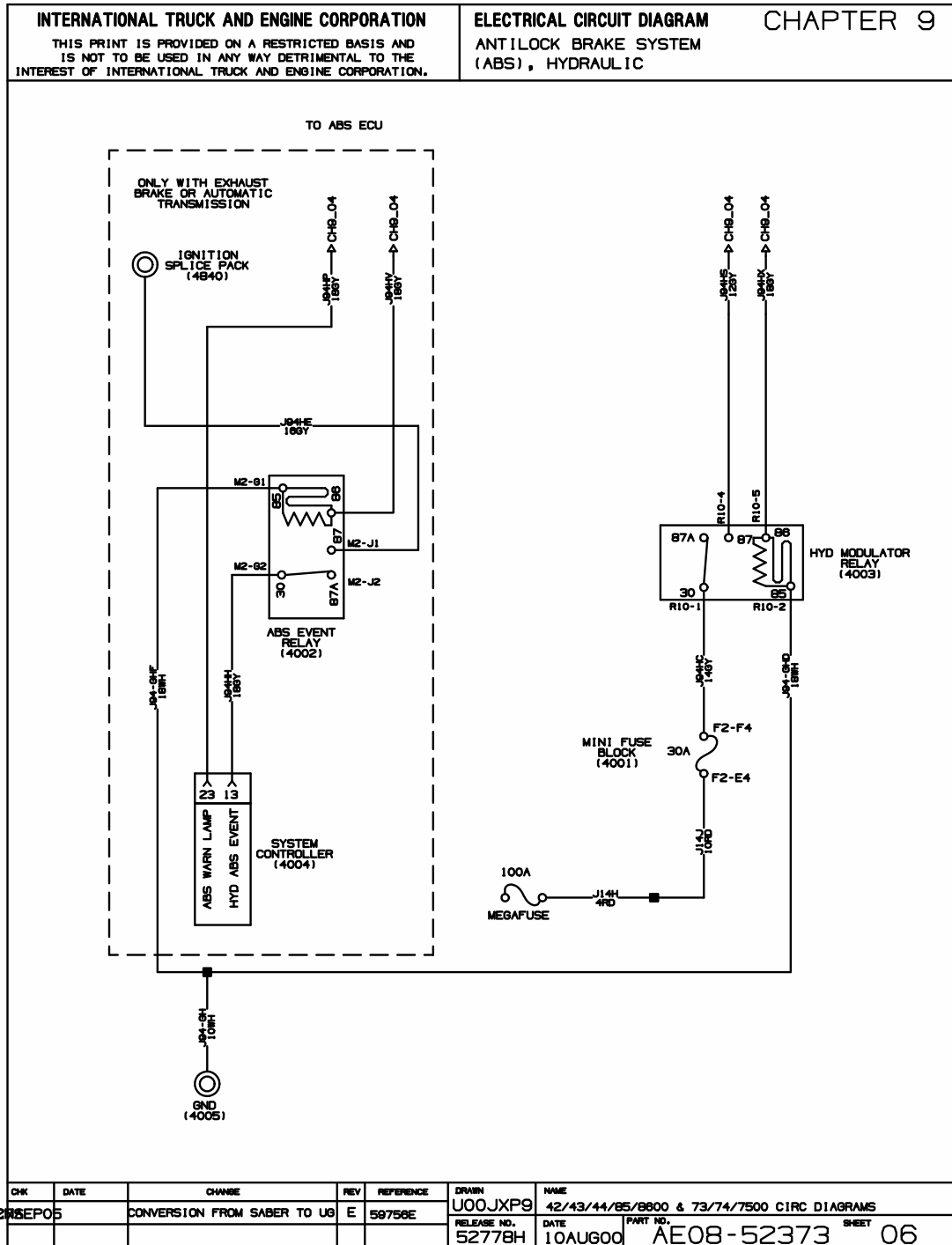


Figure 95 Antilock Brake System (ABS), Hydraulic (Cont.)

10.7. TWO SPEED AXLE SWITCH WITH MANUAL TRANSMISSION AND I6 HEUI FUEL HEATER N/WARN LIGHTS, P. 7

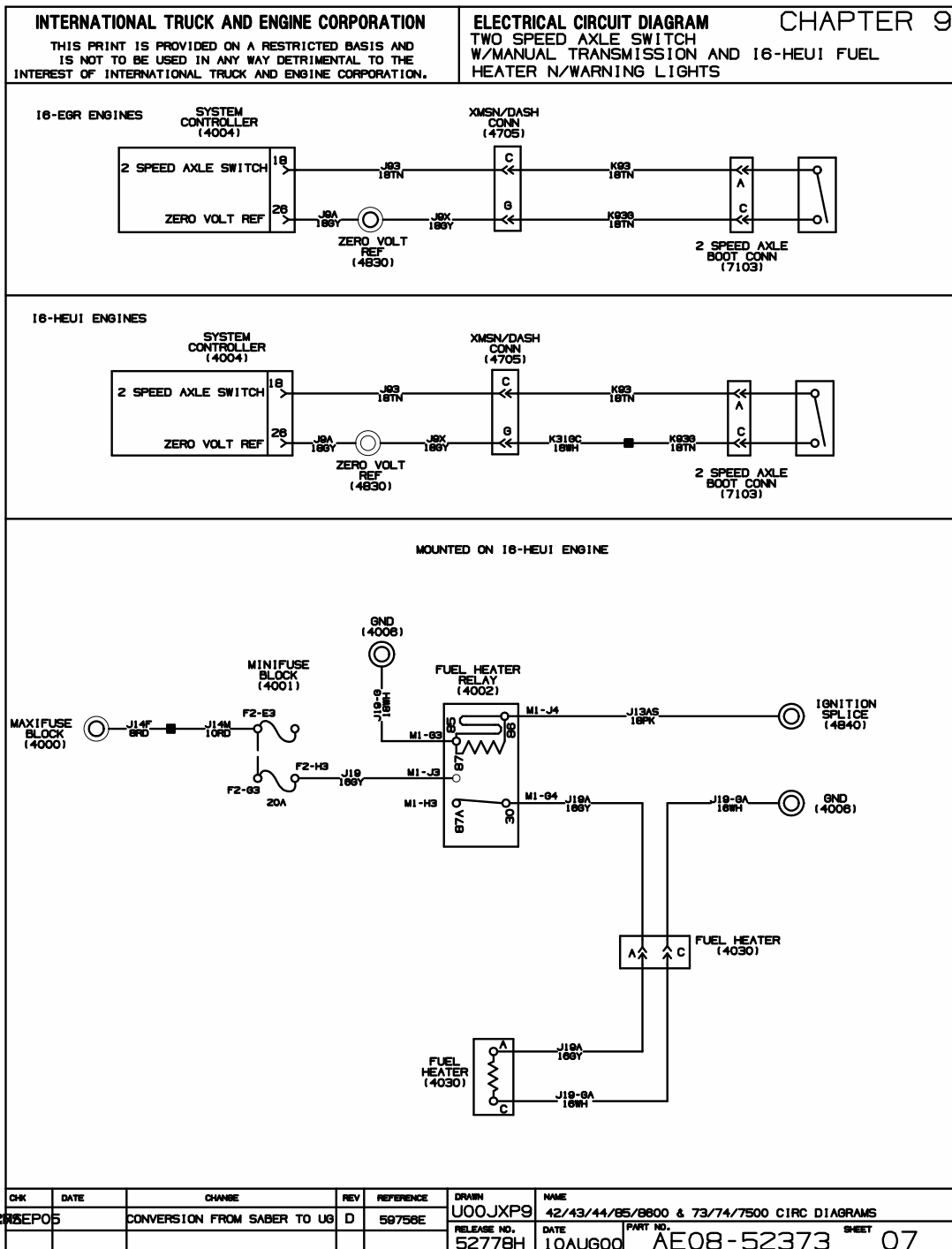


Figure 96 Two Speed Axle Switch With Manual Transmission and I6 HEUI Fuel Heater N/Warn Lights



10.8. BRAKE SYSTEM, HYDRAULIC, P. 8

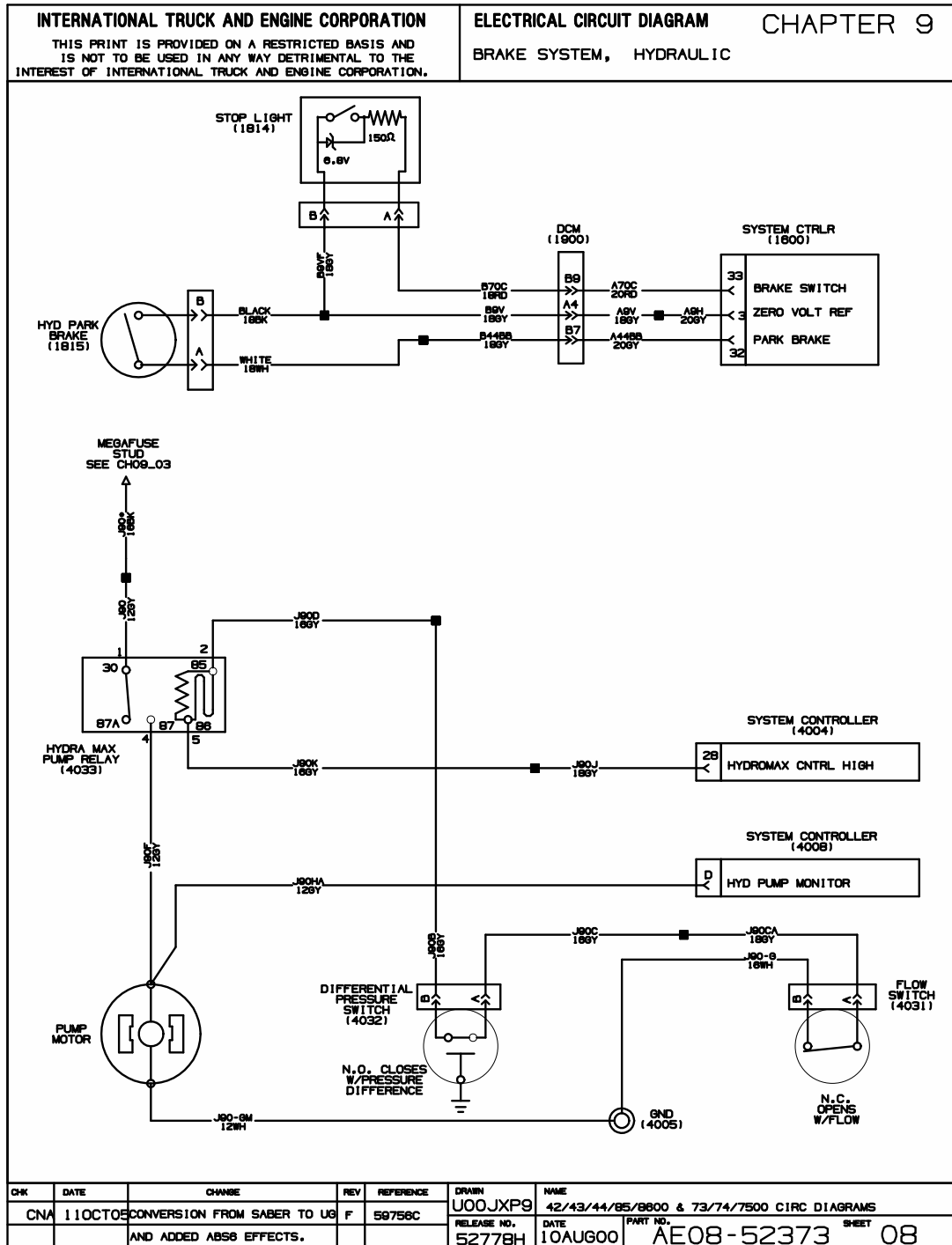


Figure 97 Brake System, Hydraulic

10.9. FUEL TRANSFER PUMP, P. 9

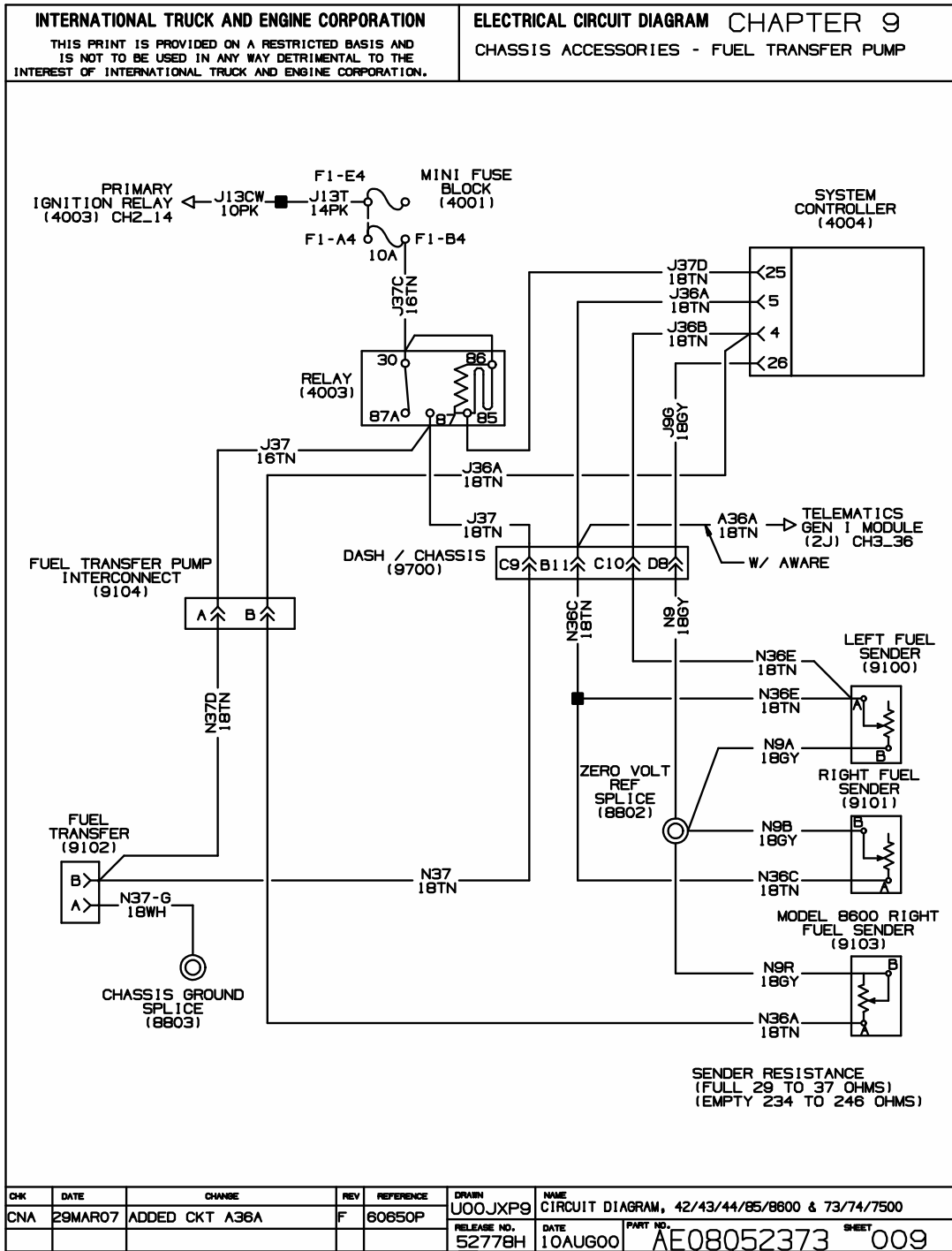


Figure 98 Fuel Transfer Pump

10.10. BACK OF CAB BODY BUILDER AND TRAILER STOP, TAIL, MARKER, P. 10

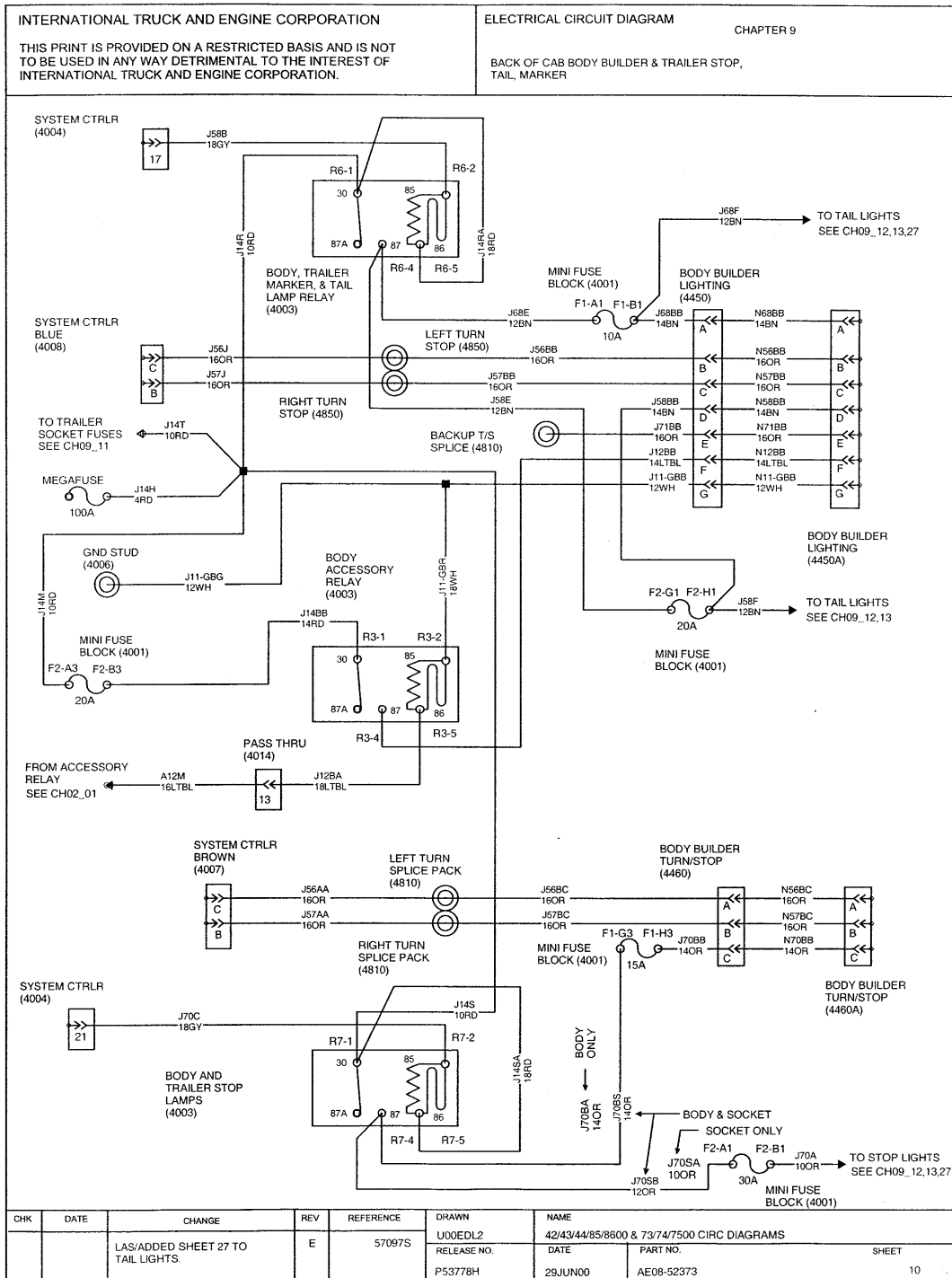


Figure 99 Back of Cab Body Builder and Trailer Stop, Tail, Marker

10.11. BODY BUILDER AND TRAILER TURNS, CENTER PIN ABS, CENTER PIN AUX, P. 11

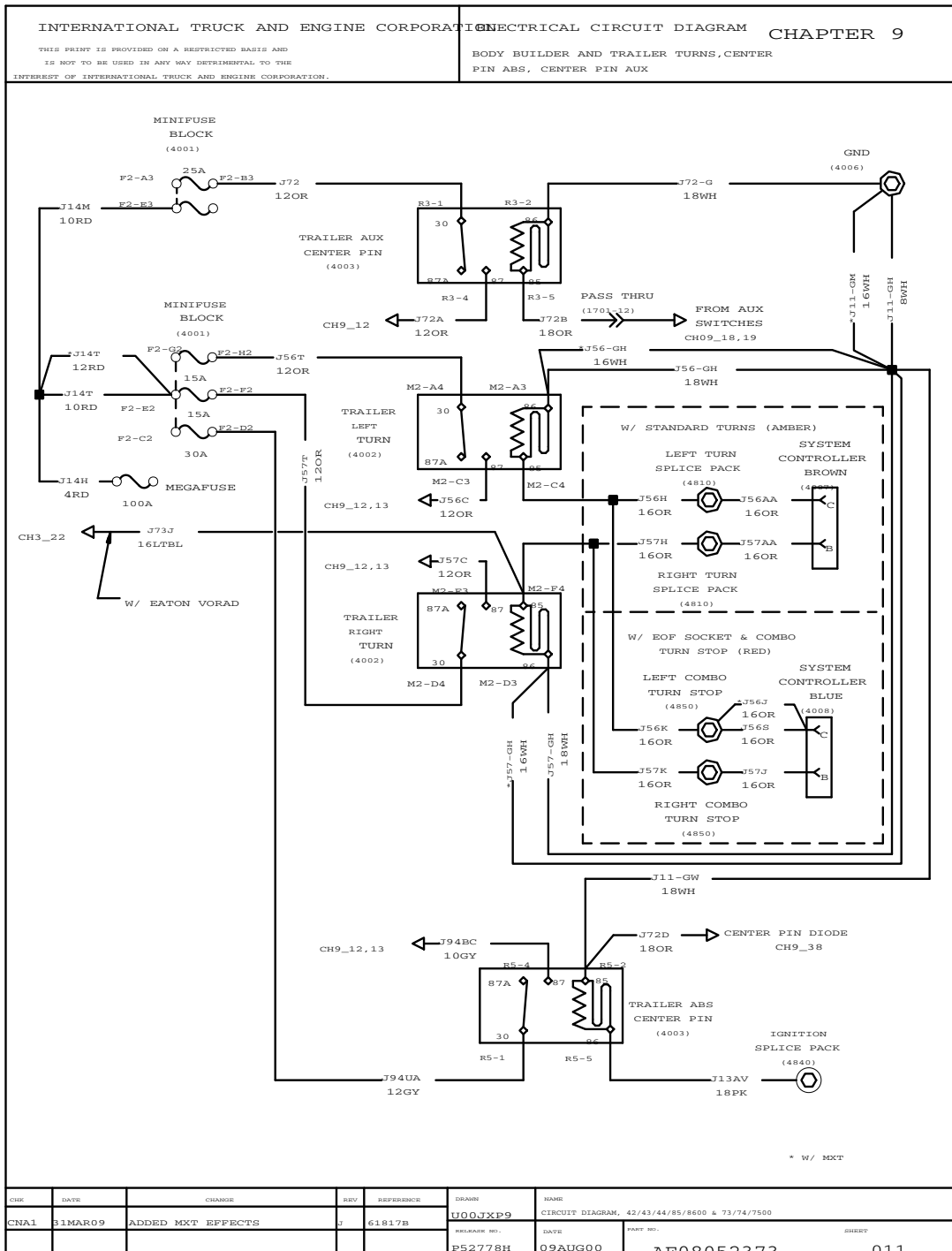


Figure 100 Body Builder and Trailer Turns, Center Pin ABS, Center Pin Aux

10.12. BODY BUILDER AND TRAILER SOCKET BACK OF CAB SOCKETS, P. 12

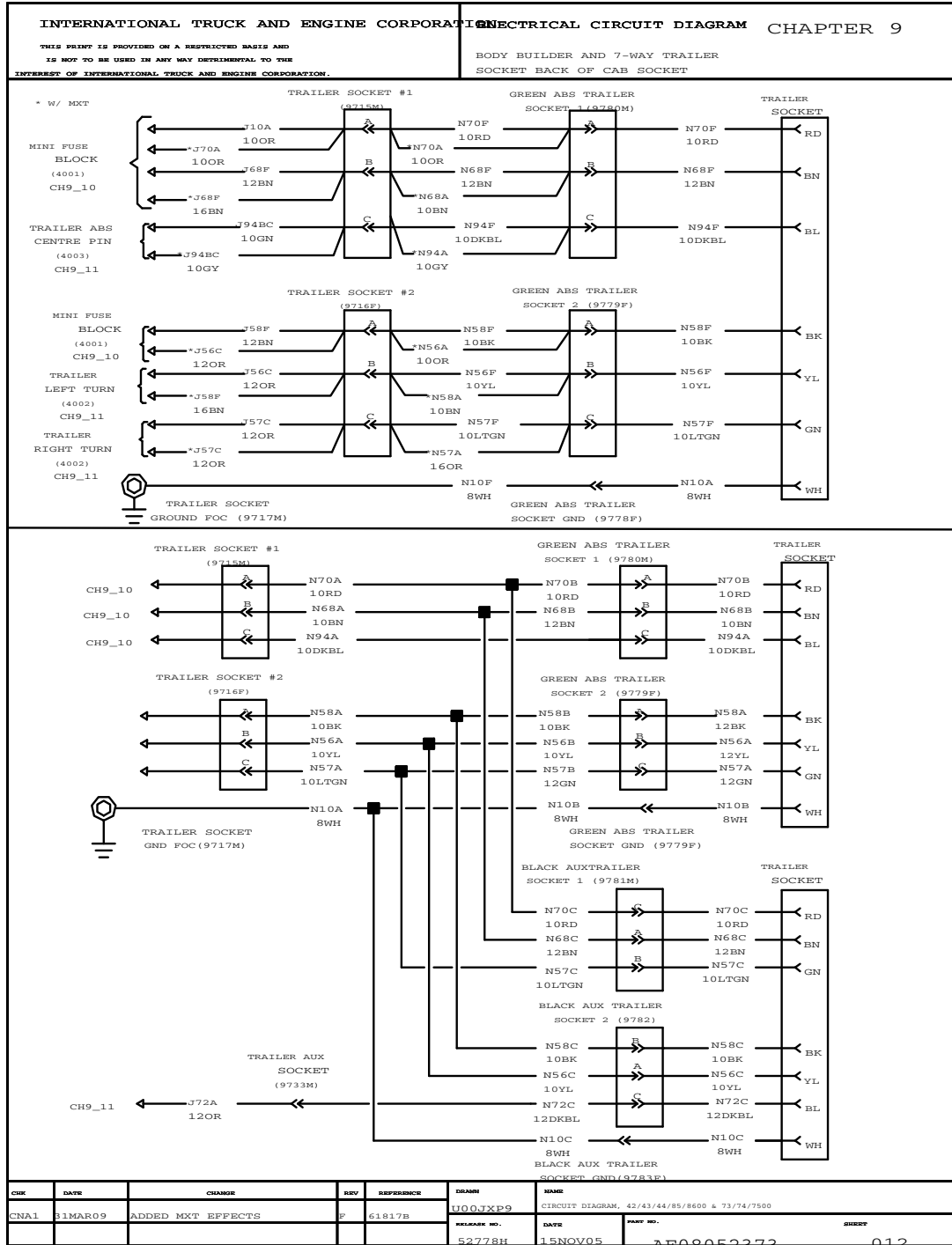


Figure 101 Body Builder and Trailer Socket Back of Cab Sockets

10.13. BODY BUILDER AND TRAILER SOCKET END OF FRAME (EOF) SOCKET AND BODY BUILDER, P. 13

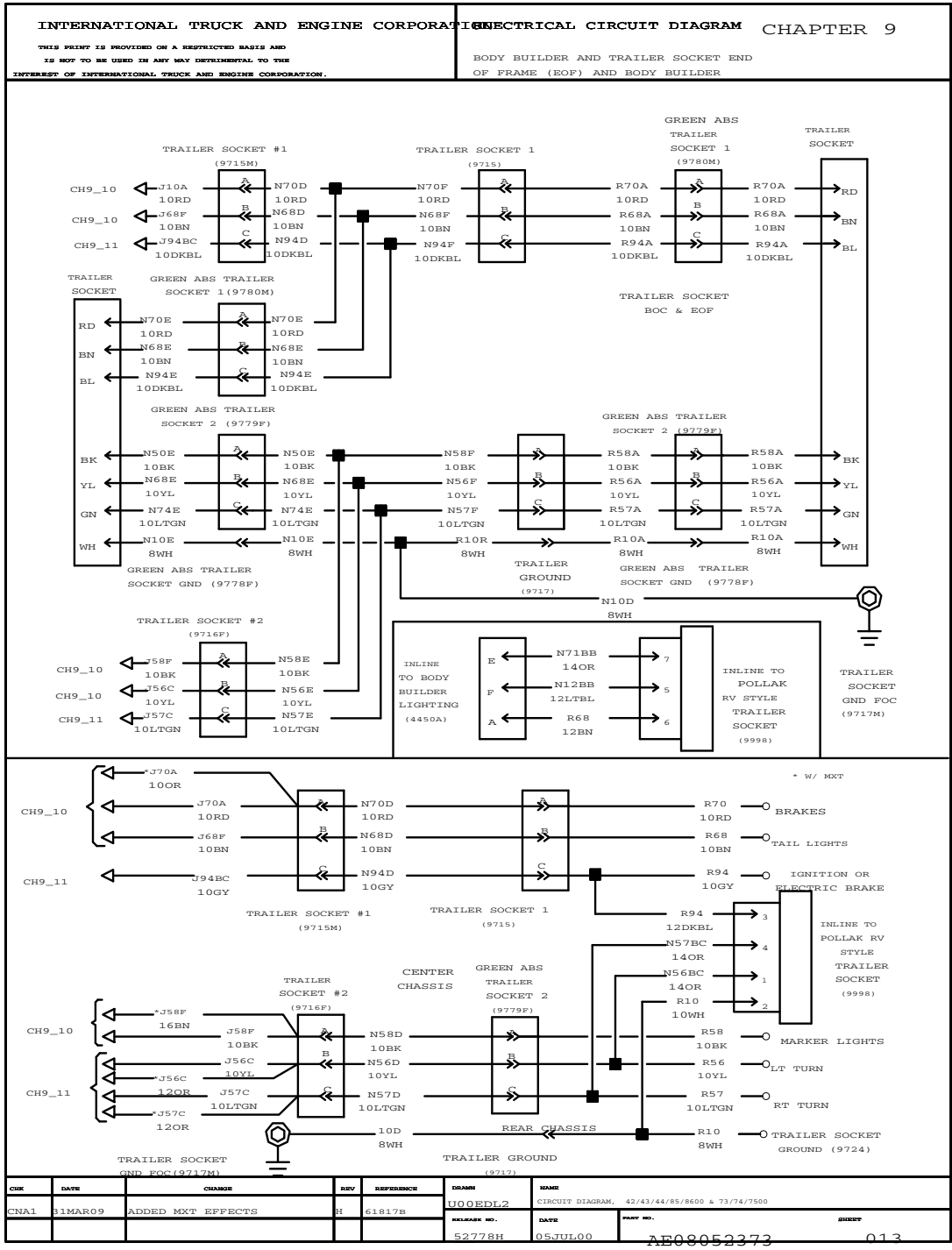


Figure 102 Body Builder and Trailer Socket End of Frame (EOF) Socket and Body Builder

10.14. AIR SOLENOID 4-WAY PACK, P. 14

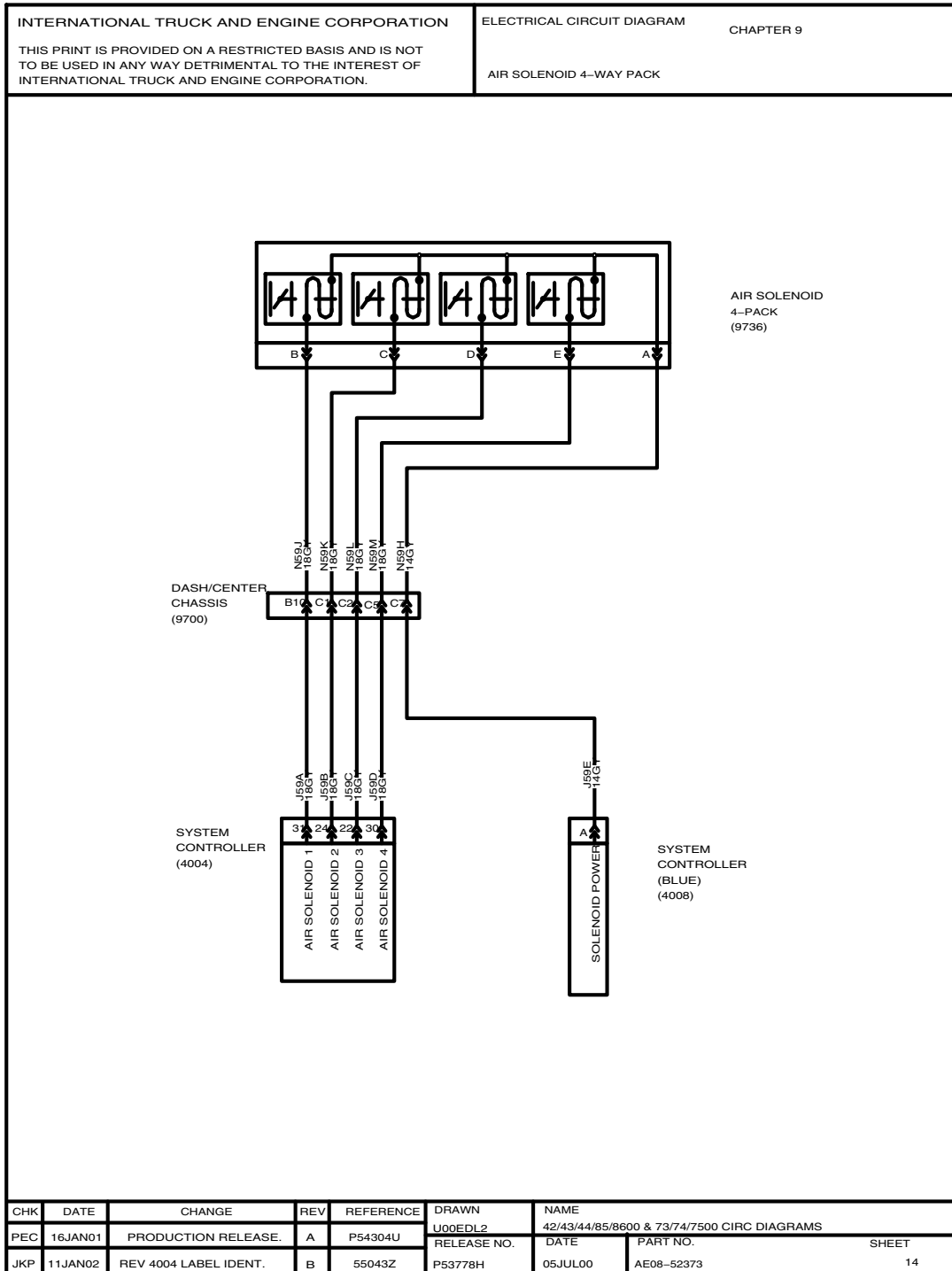


Figure 103 Air Solenoid 4-Way Pack

10.15. REMOTE POWER UNITS, SOLENOID PACKS, REMOTE ENGINE SPEED CONTROLLER, P. 15

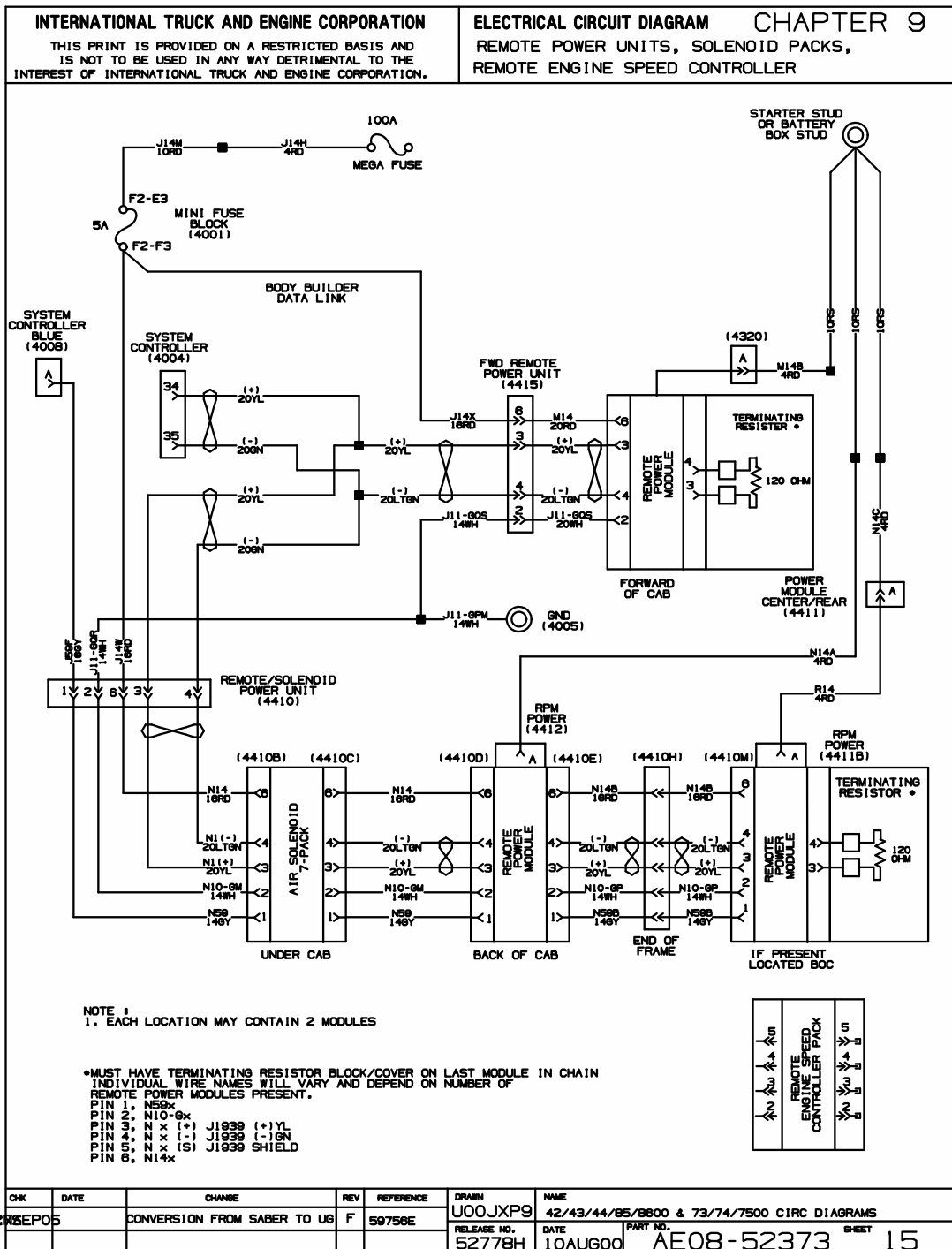


Figure 104 Remote Power Units, Solenoid Packs, Remote Engine Speed Controller



10.16. HYD POWER PARK, P. 16

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DIAGRAM NOT AVAILABLE							
CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME	
PEC	16JAN01	PRODUCTION RELEASE.	A	P54304U	U00EDL2	42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS	
					RELEASE NO.	DATE	PART NO.
					P52778H	10JUL00	AE08-52373
							SHEET 16

Figure 105 HYD Power Park

10.17. AIR SUSPENSION, P. 17

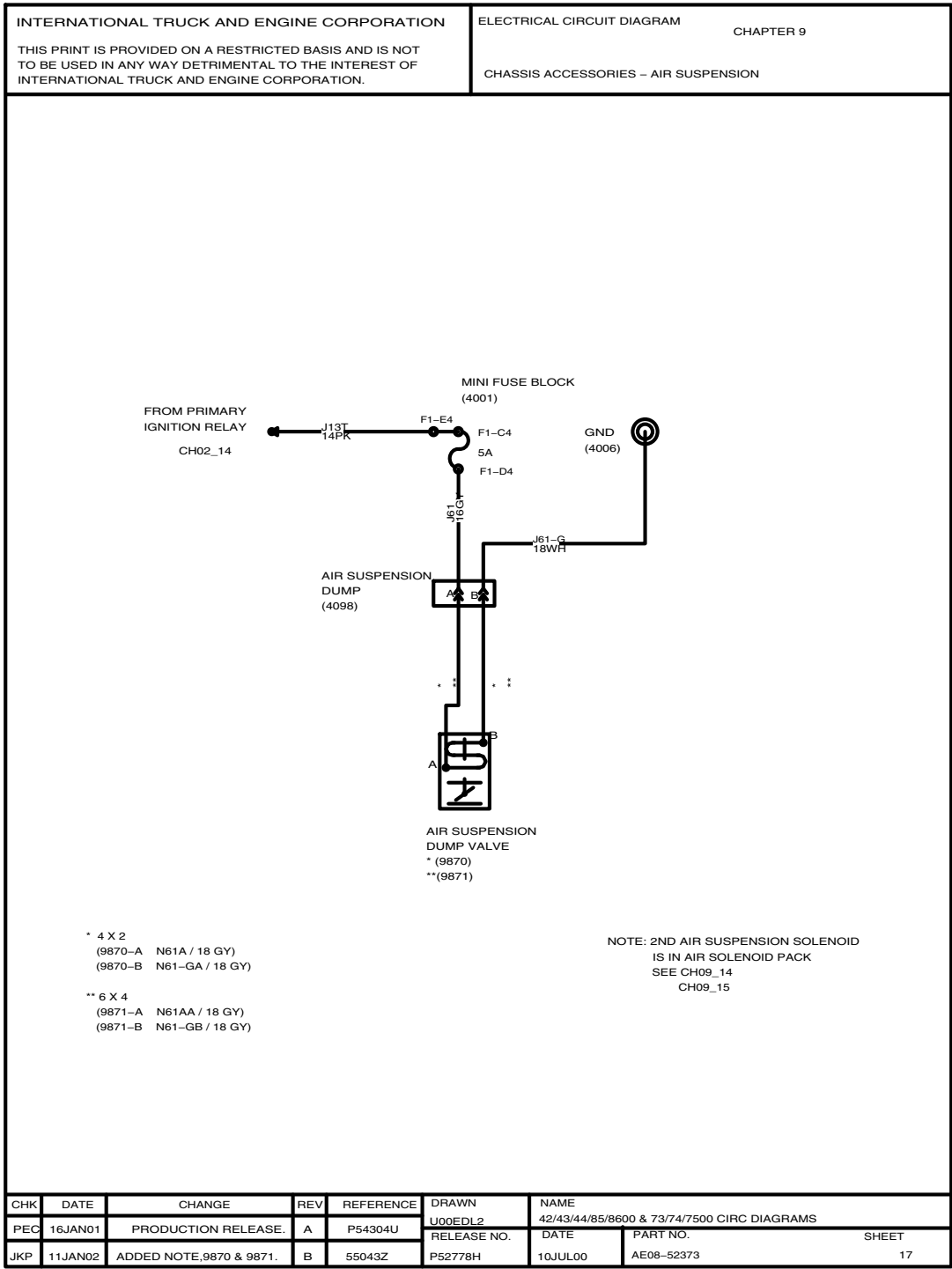


Figure 106 Air Suspension

10.18. AUX. TRAILER, ACC CONTROLLED, P. 18

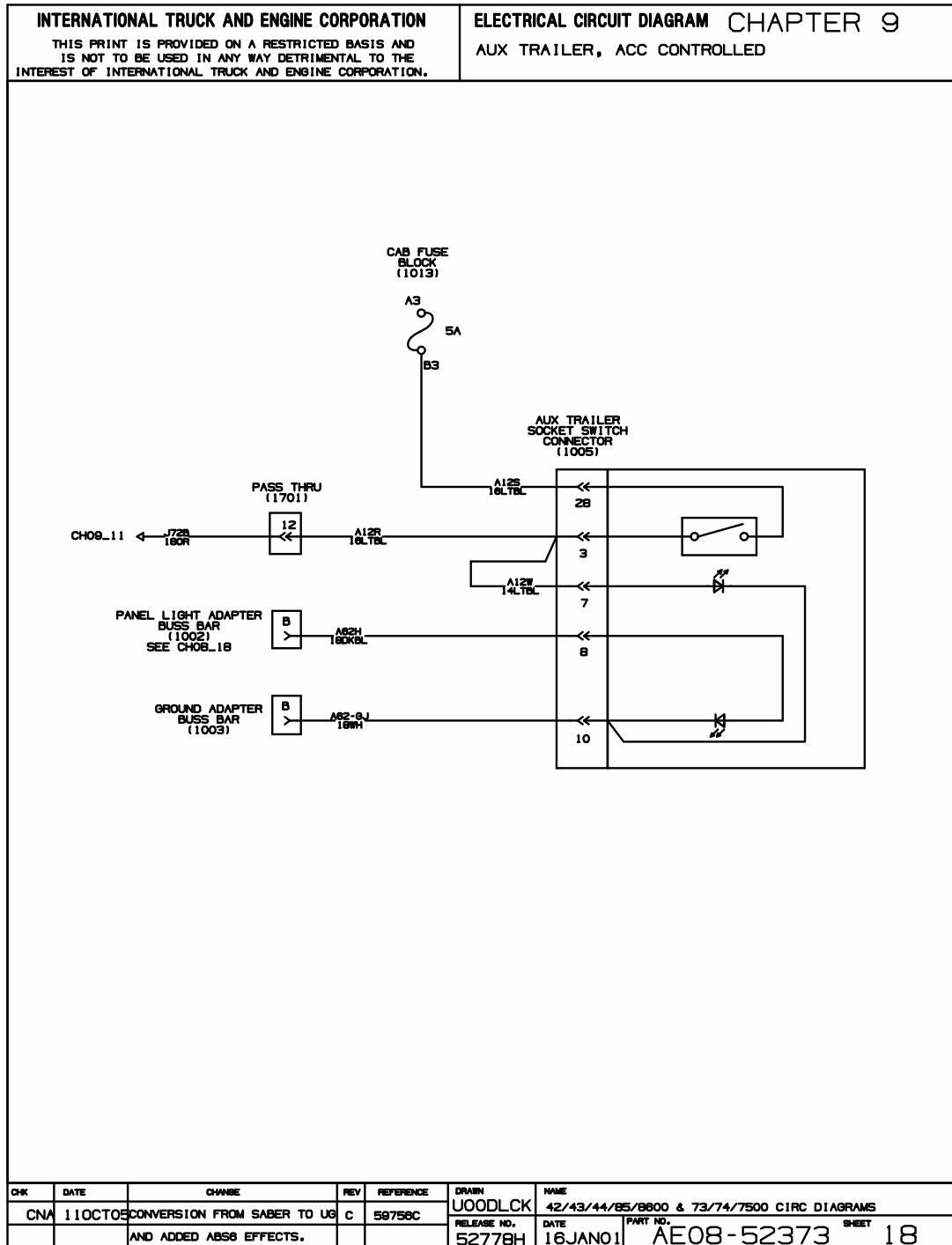


Figure 107 Aux. Trailer, Acc Controlled

10.19. AUX. TRAILER, BATTERY CONTROLLED, P. 19

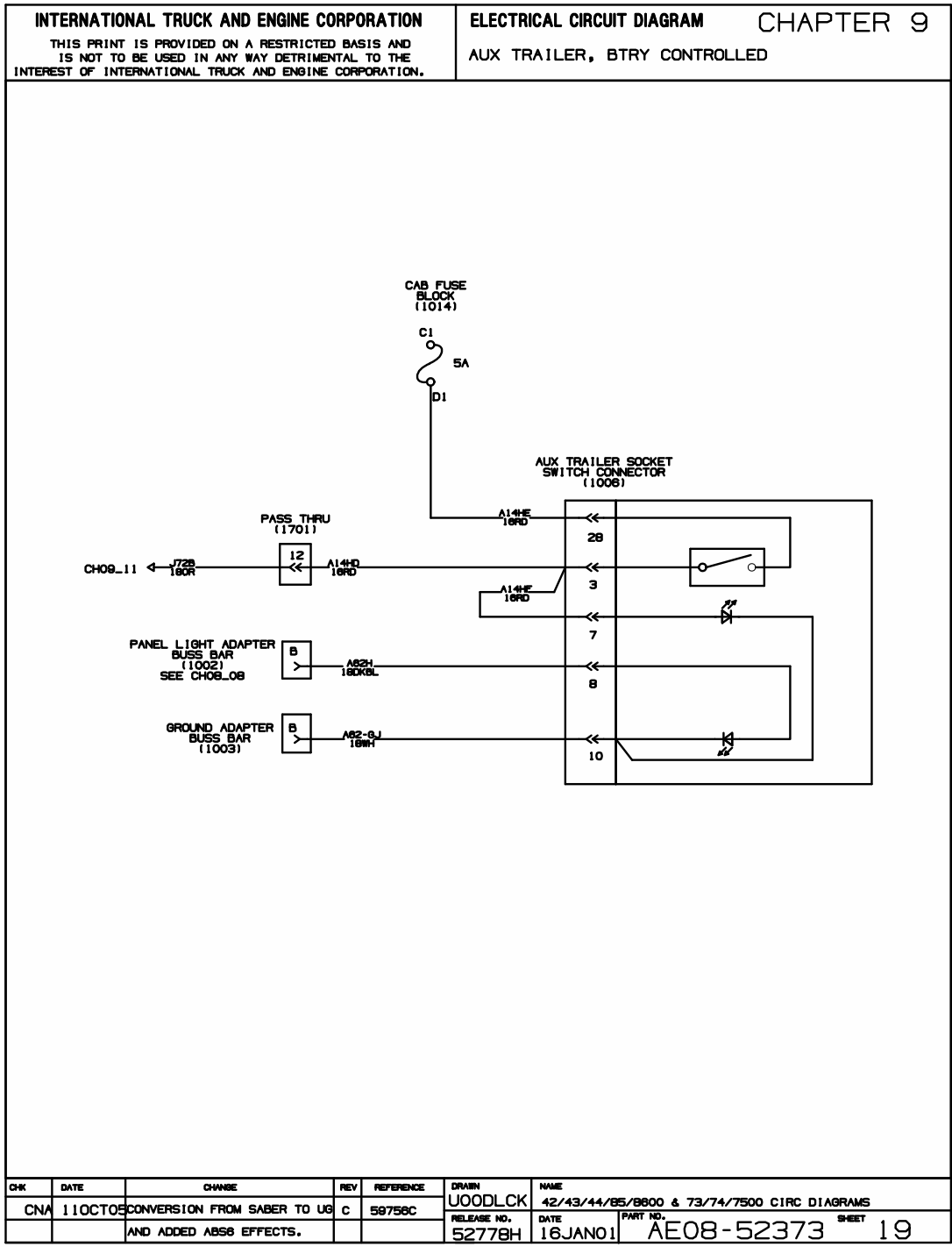


Figure 108 Aux. Trailer, Battery Controlled

10.20. LIFT AXLES (NON-STEERABLE), P. 20

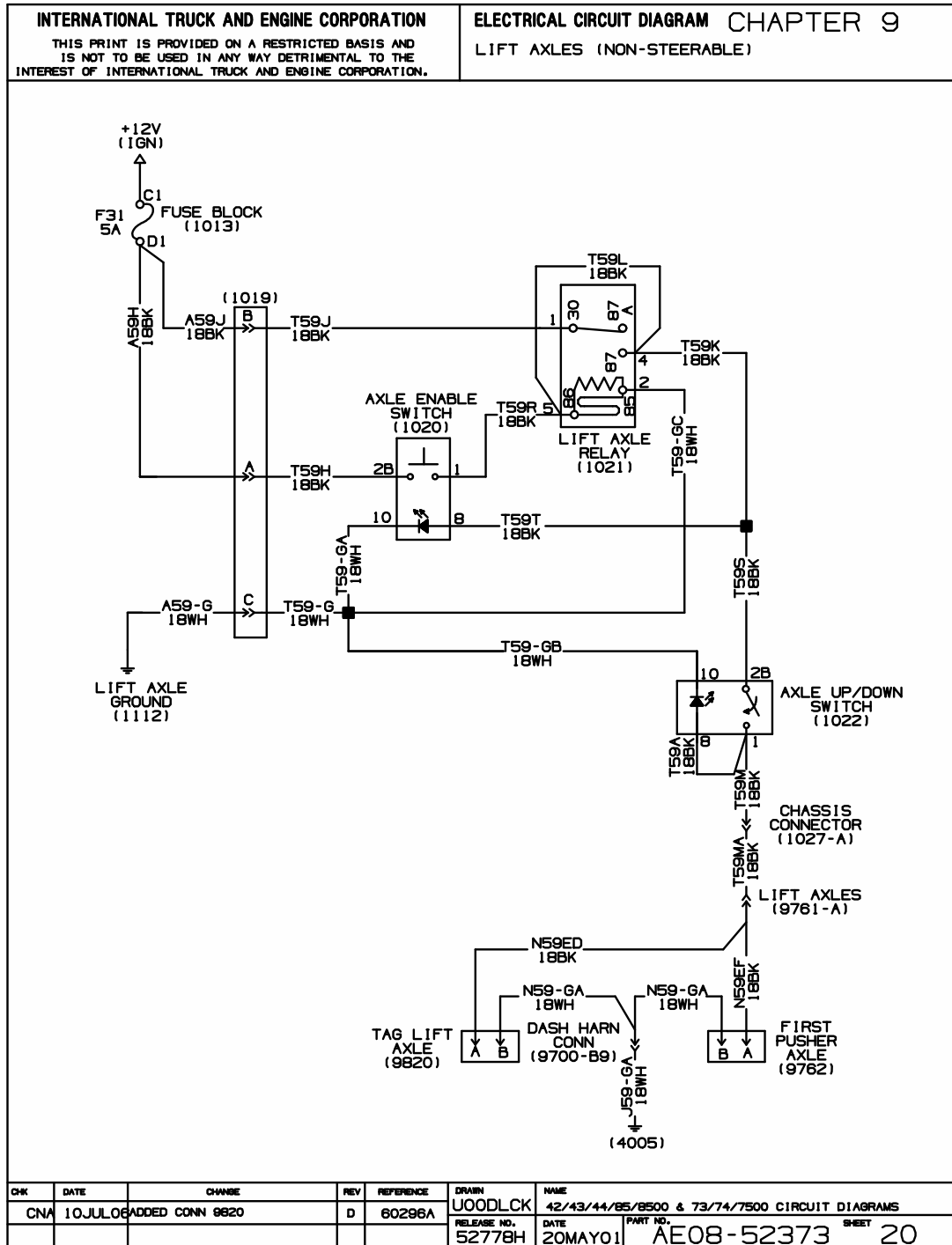


Figure 109 Lift Axles (Non-Steerable)

10.21. LIFT AXLES (STEERABLE), P. 21

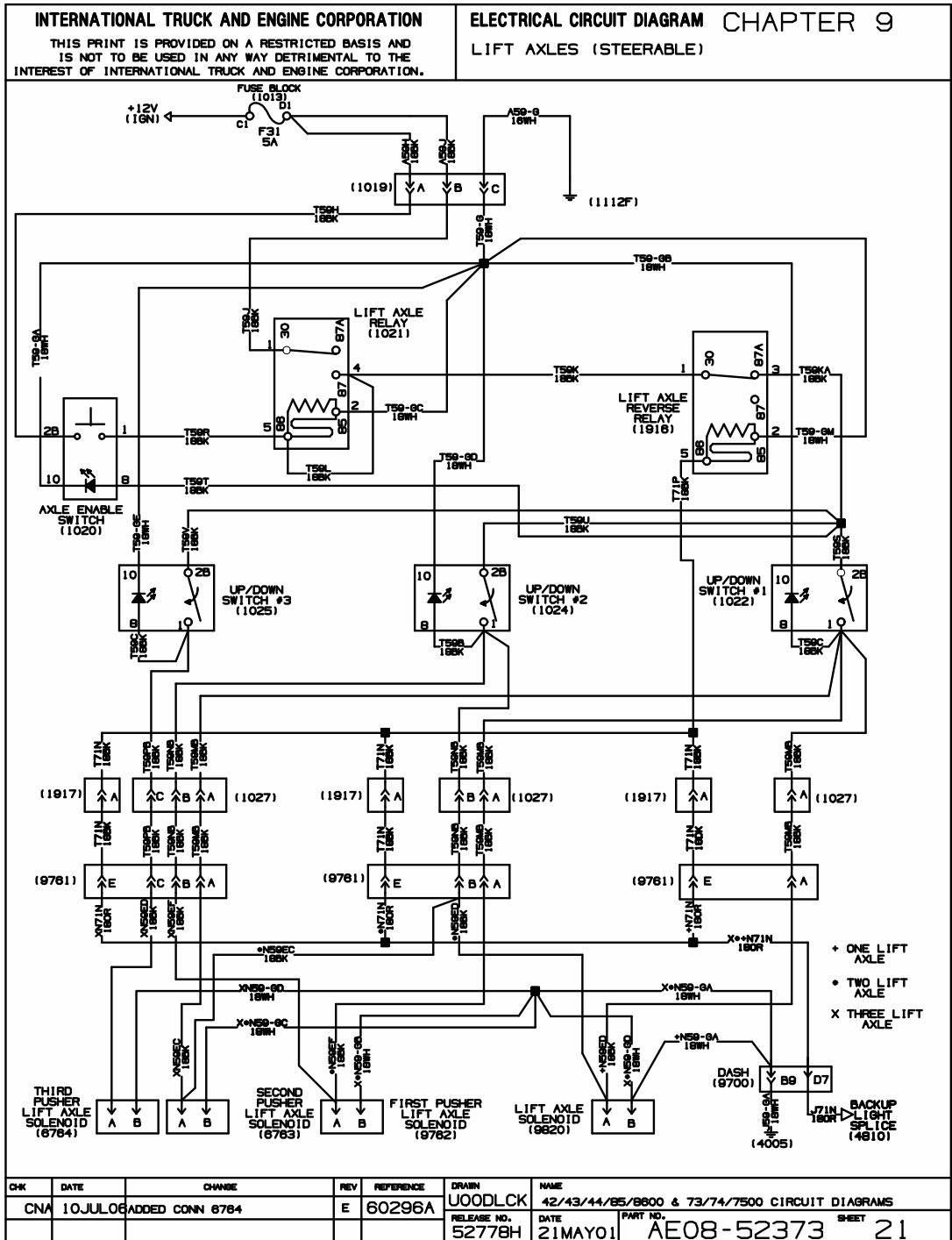


Figure 110 Lift Axles (Non-Steerable)

10.22. AIR ACTUATED PARK BRAKE, P. 22

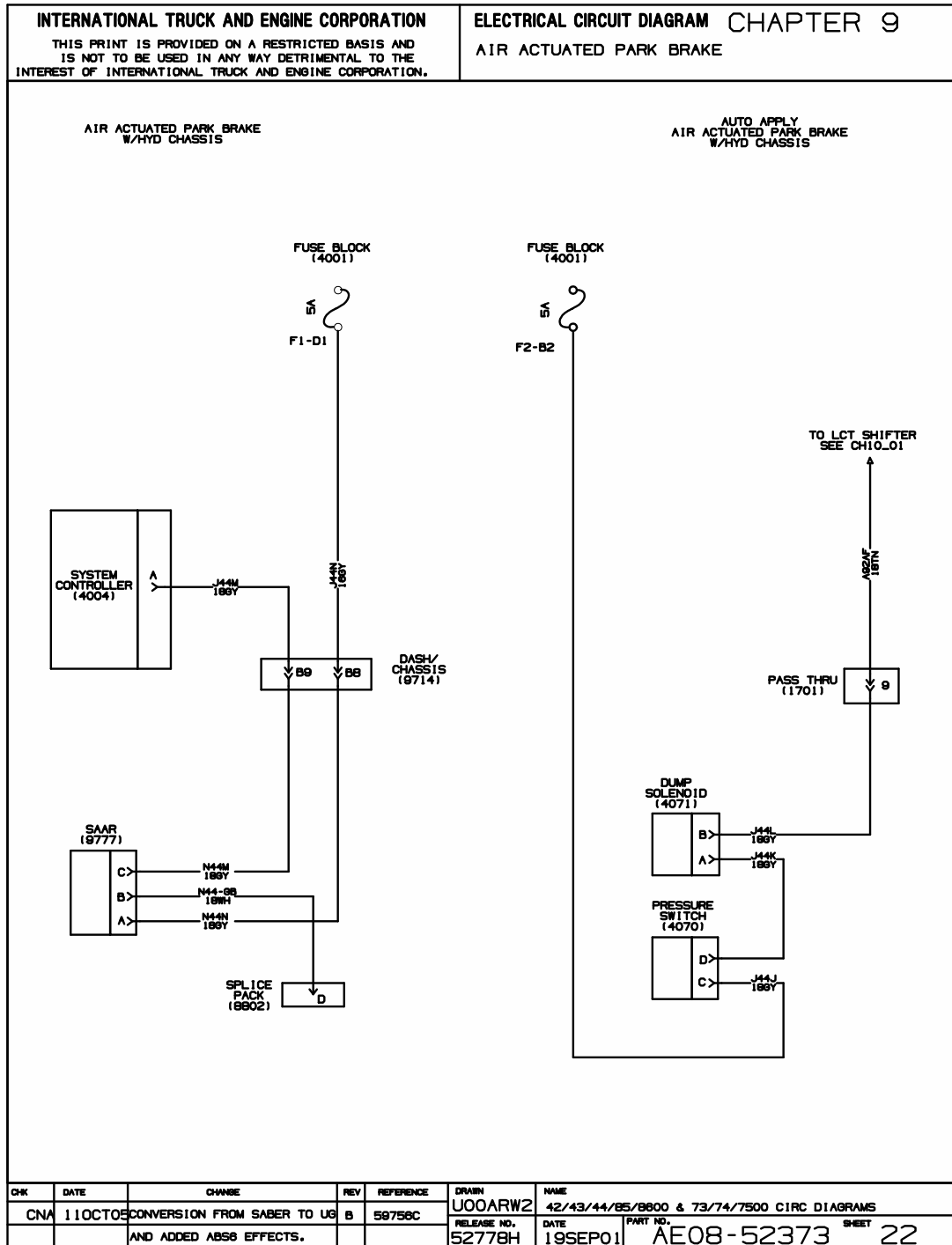


Figure 111 Air Actuated Park Brake

10.23. ANTILOCK BRAKE SYSTEM, WABCO AIR, P. 23

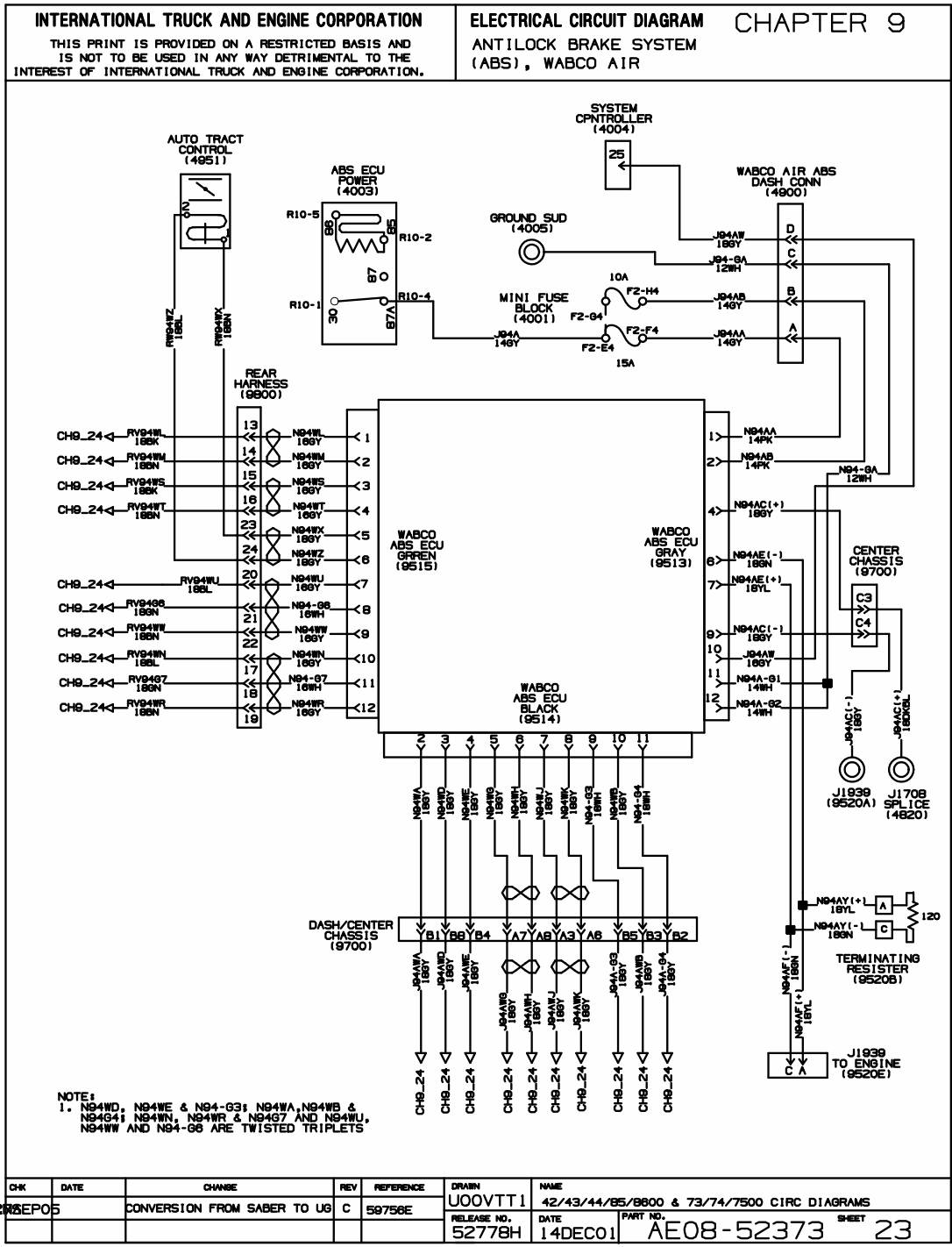


Figure 112 Antilock Brake System, WABCO Air



10.24. ANTILOCK BRAKE SYSTEM, WABCO AIR, P. 24

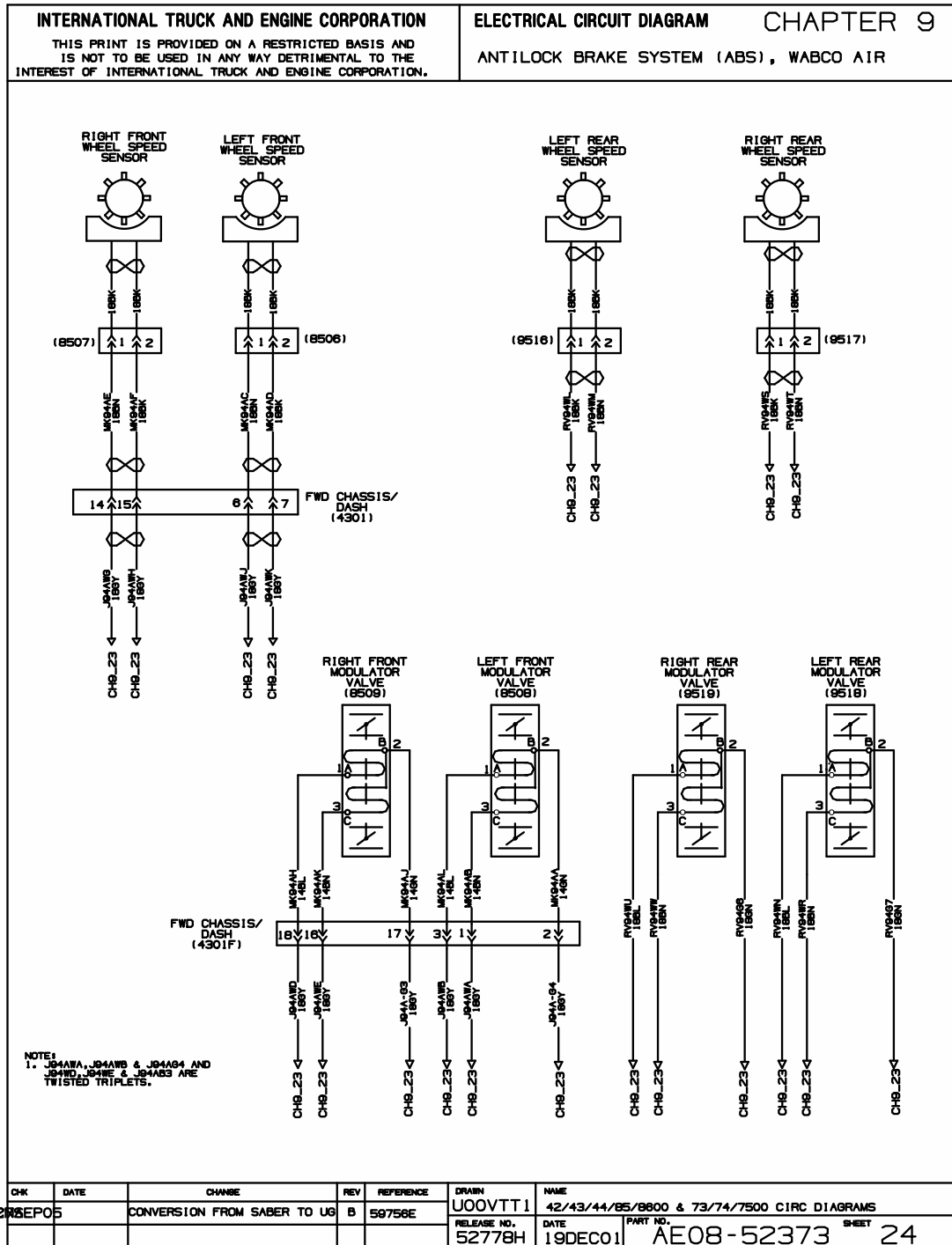


Figure 113 Antilock Brake System, WABCO Air

10.25. LIFT AXLES, WITH NON-STEERABLE FOR SS MODELS, P. 25

INTERNATIONAL TRUCK AND ENGINE CORPORATION THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF INTERNATIONAL TRUCK AND ENGINE CORPORATION.				ELECTRICAL CIRCUIT DIAGRAM      CHAPTER 9 LIFT AXLES, W/NON-STEERABLE      FOR SS MODELS			
INTENTIONALLY LEFT BLANK							
CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME	
CNA	10JUL06	GEOMETRY REMOVED	D	60296A	UOODLCK	42/43/44/85/8800 & 73/74/7500 CIRCUIT DIAGRAMS	
					RELEASE NO.	DATE	PART NO. SHEET
					52778H	15DEC01	AE08-52373 25

Figure 114 Lift Axles, With Non-Steerable for SS Models

10.26. FUEL / WATER SEPARATOR WITH 12VDC FUEL PREHEATER, P. 26

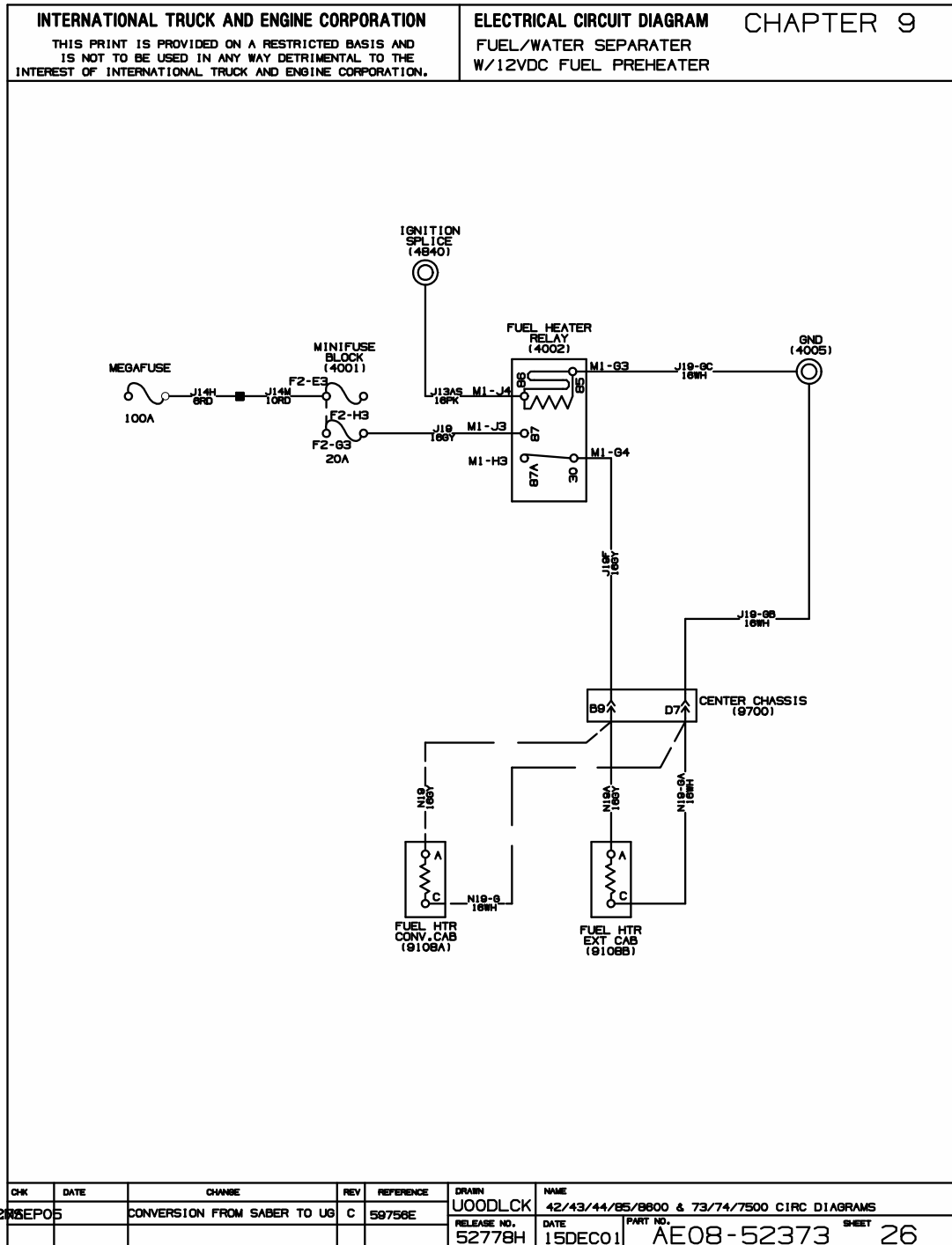


Figure 115 Fuel / Water Separator With 12VDC Fuel Preheater

10.27. ELECTRONIC TRAILER BRAKE ACCOMMODATION, P. 27

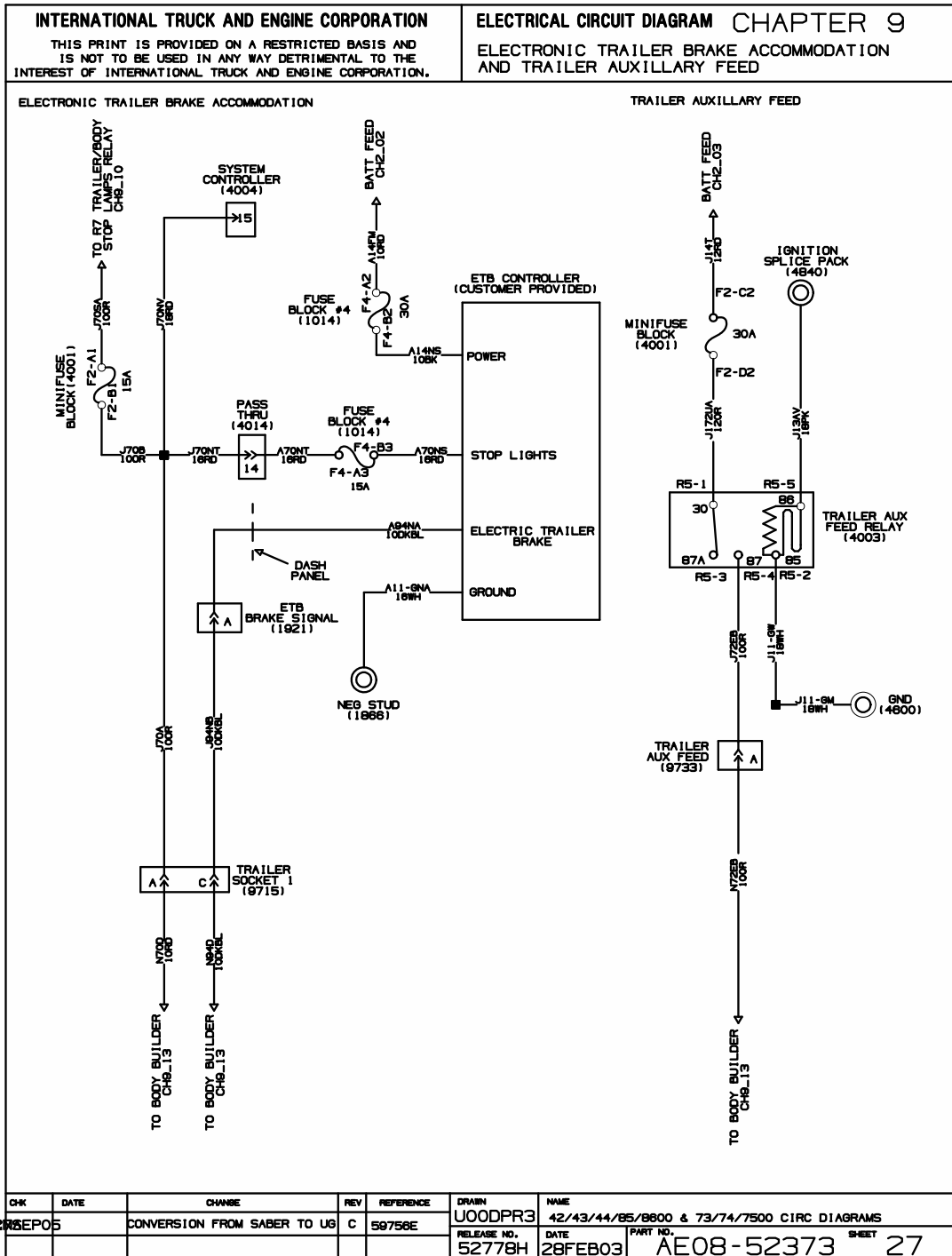


Figure 116 Electronic Trailer Brake Accommodation

10.28. LECTRASHIFT ACCOMMODATION, P. 28

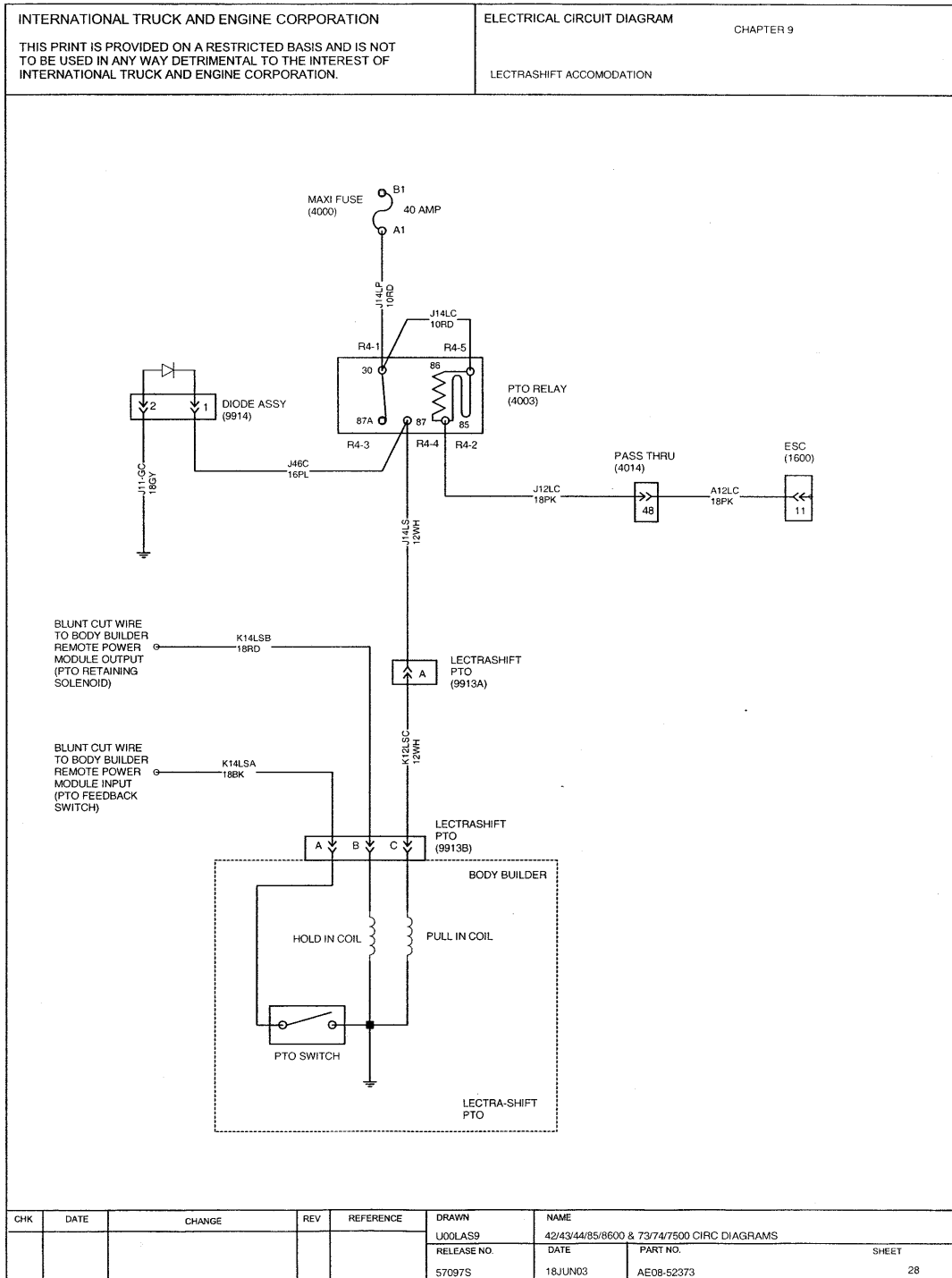


Figure 117 Lectrashift Accommodation

10.29. AUXILIARY 40 AMP CIRCUIT, P. 29

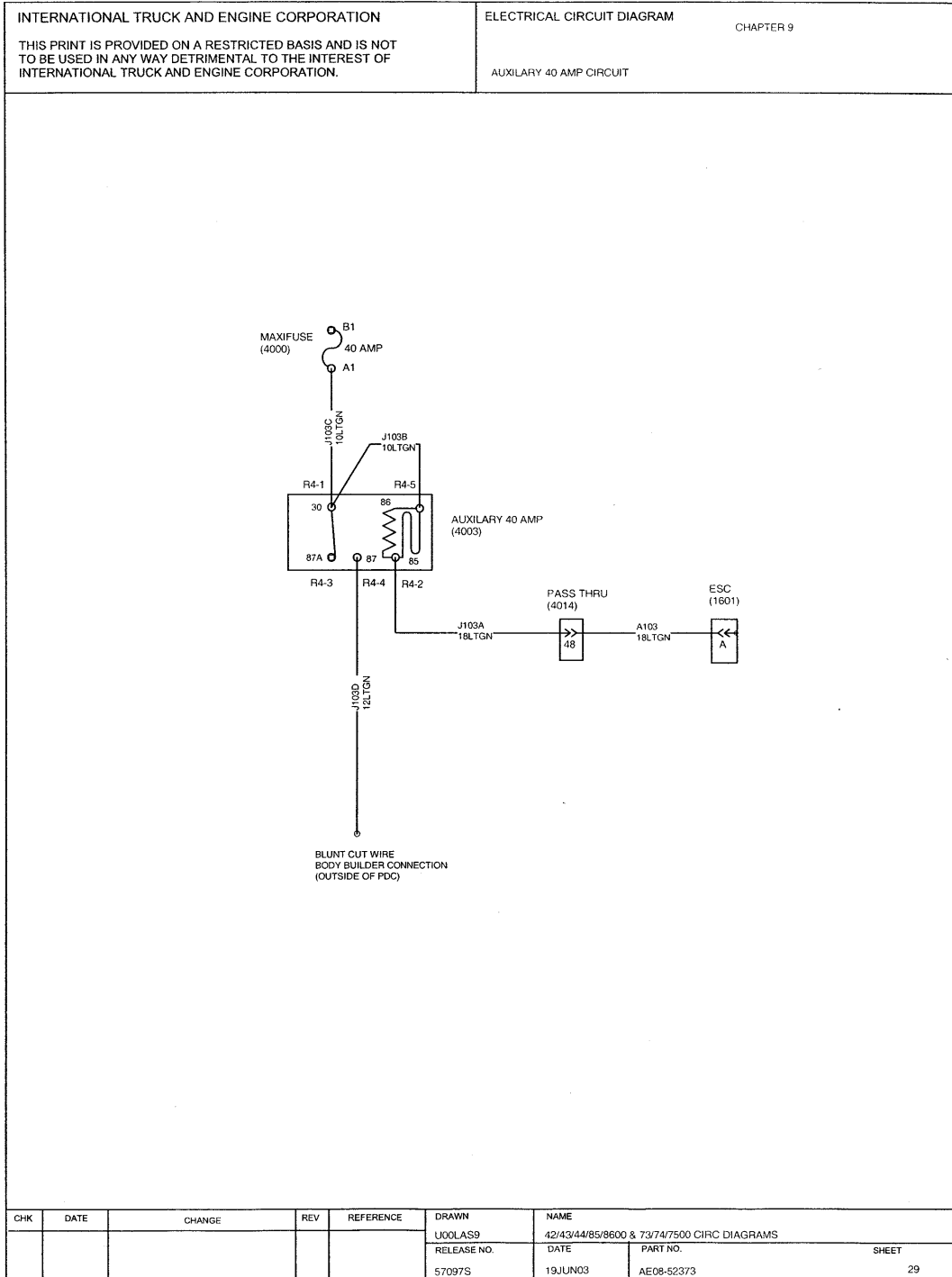


Figure 118 Auxiliary 40 Amp Circuit

10.30. HOURMETER, CUSTOMER MOUNTED PTO, P. 30

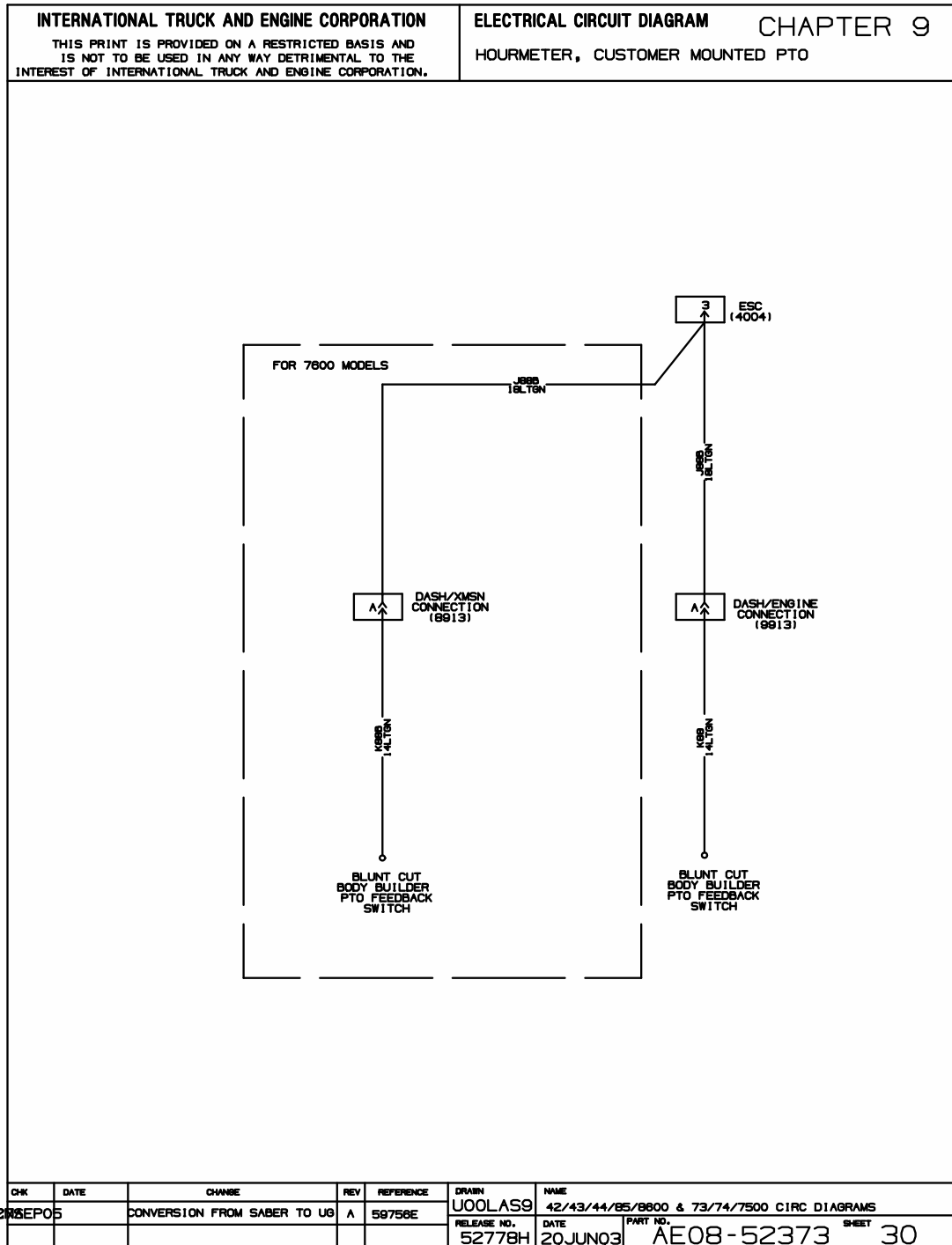


Figure 119 Hourmeter, Customer Mounted PTO

10.31. REMOTE START/ STOP, P. 31

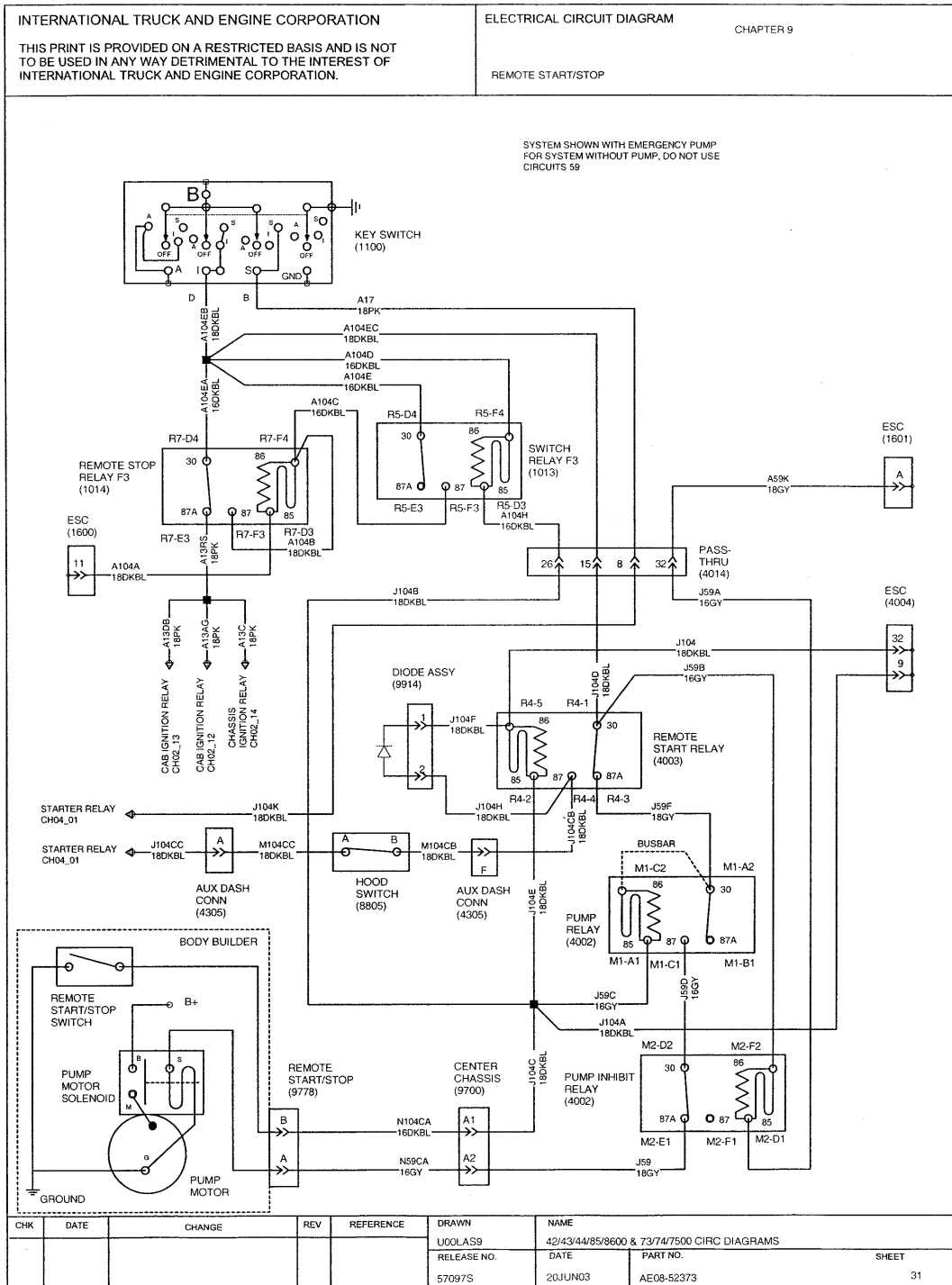


Figure 120 Remote Start/ Stop



10.32. LIFT AXLE WITH 14RAR, P. 32

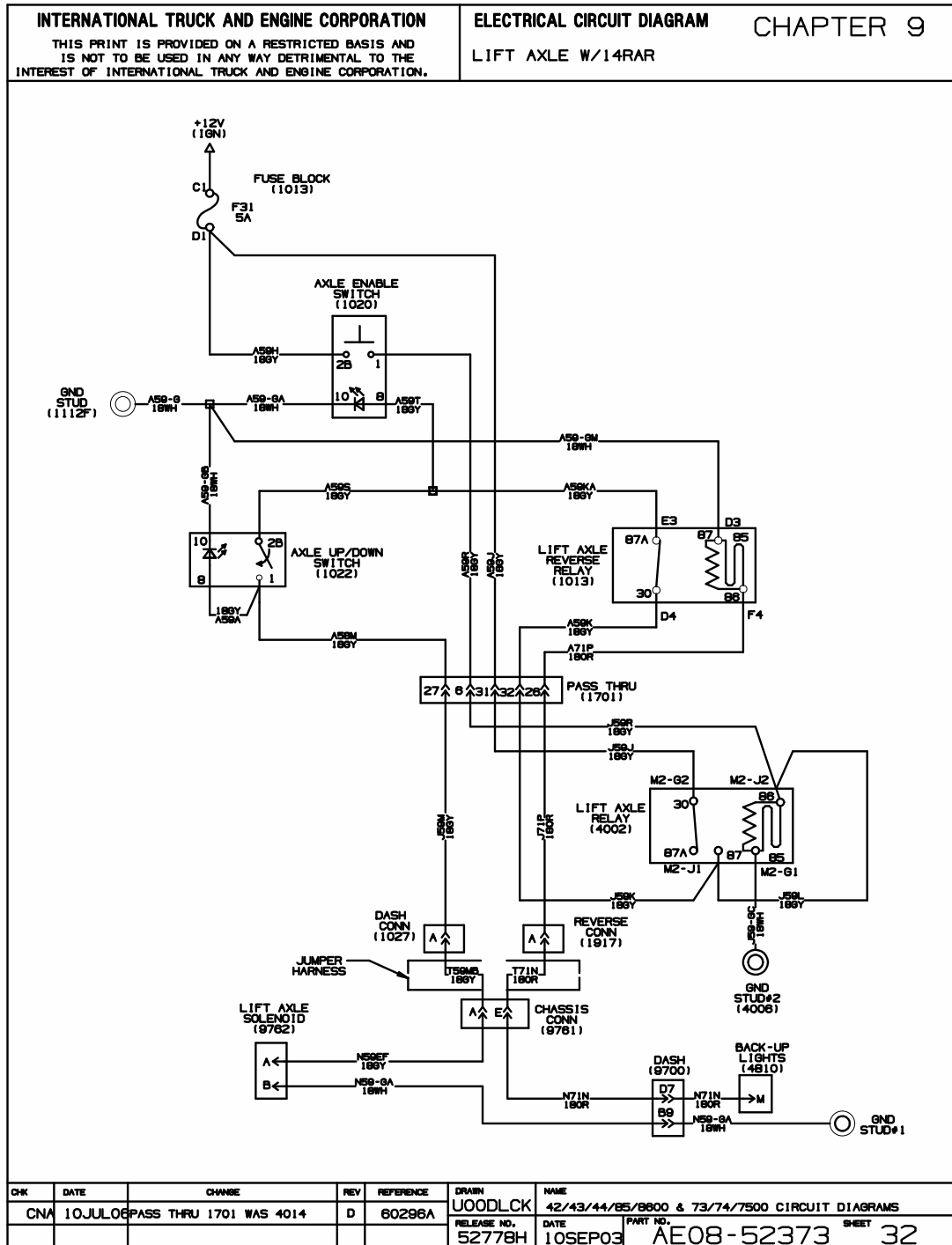


Figure 121 Lift Axle with 14RAR

10.33. LIFT GATE, P. 33

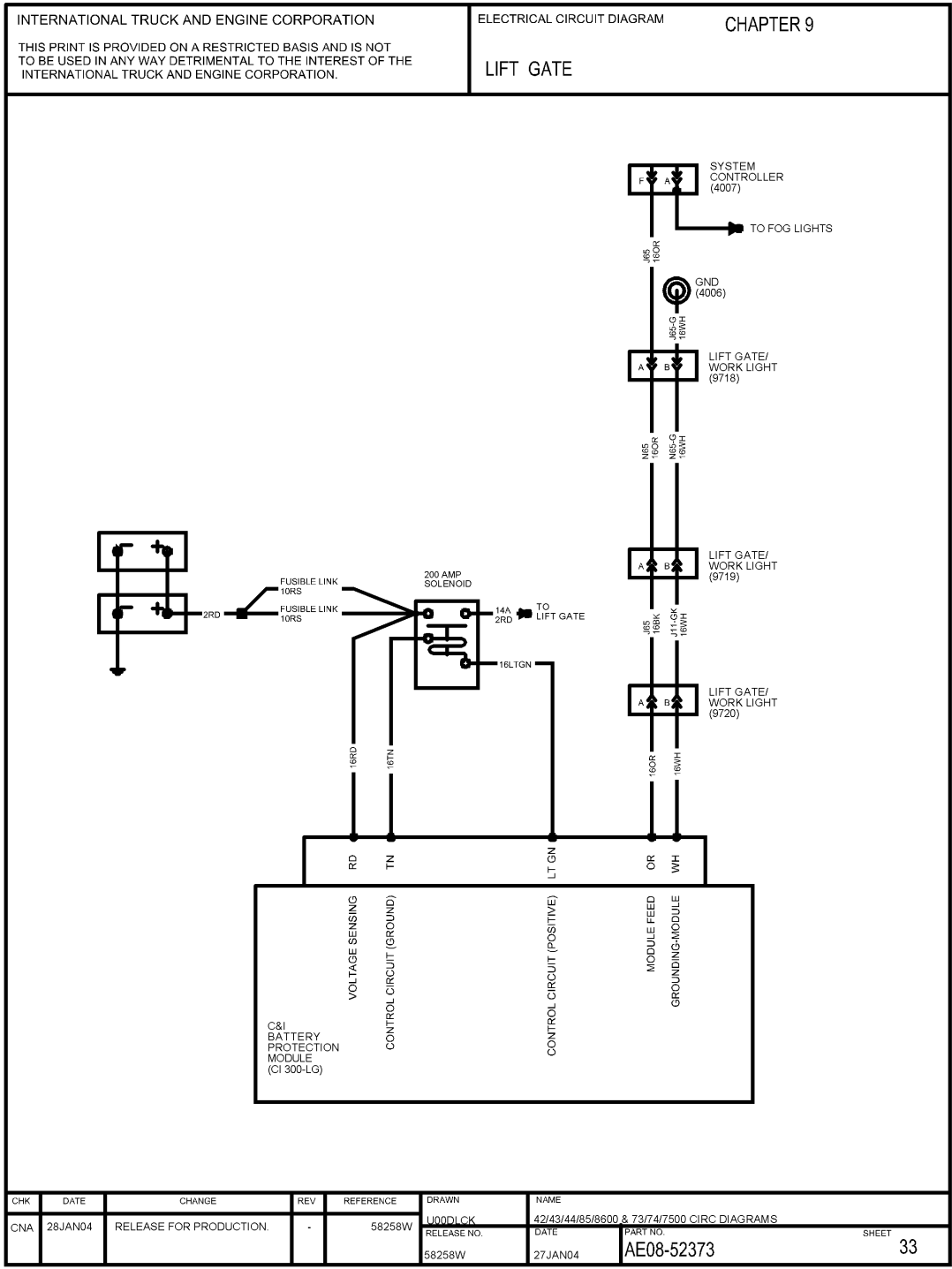


Figure 122 Lift Gate

10.34. LIFT AXLE MULTIPLEX, P. 34

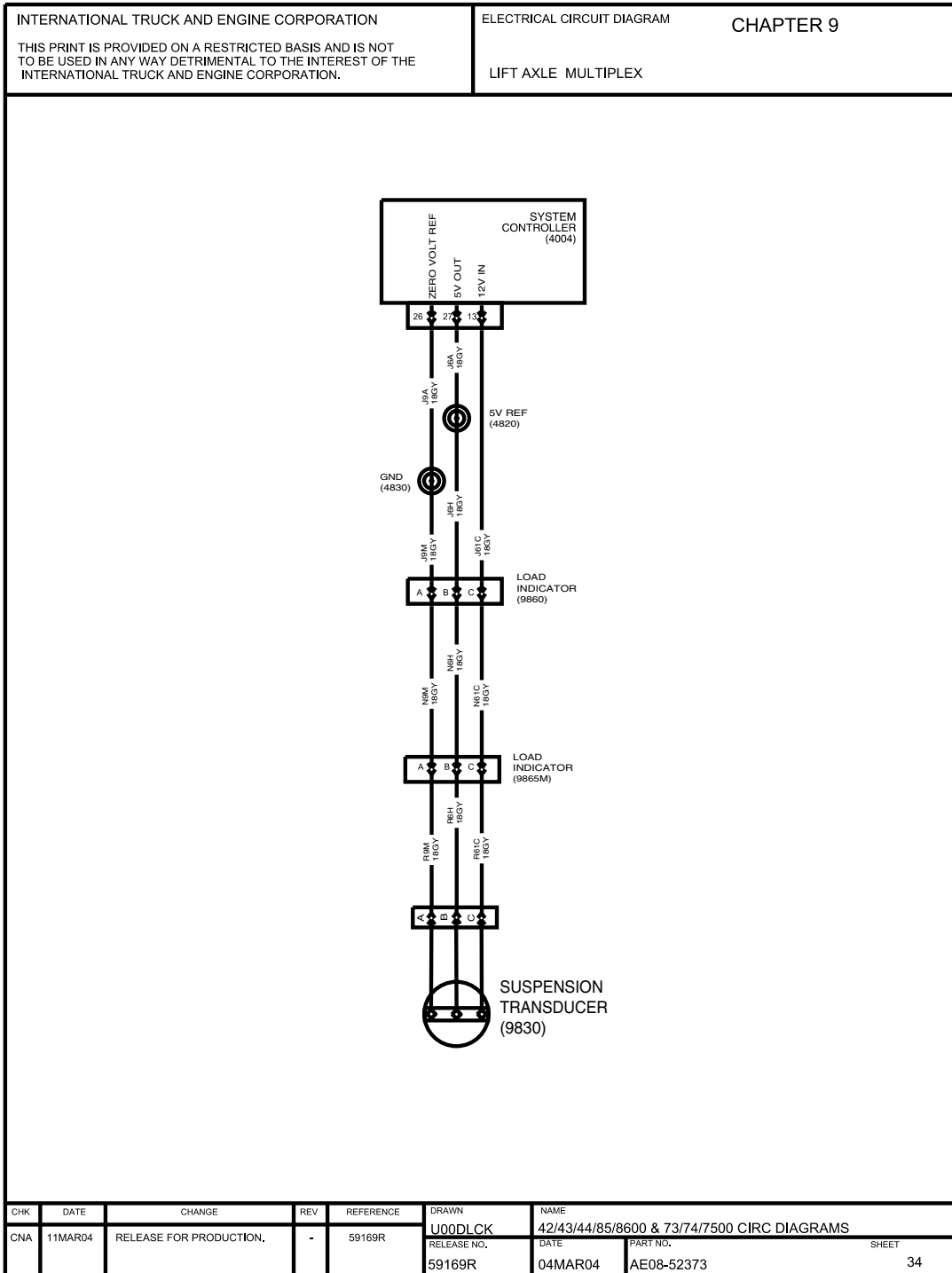


Figure 123 Lift Axle Multiplex

# TRANSMISSIONS (CHAPTER 10)

## 11.1. ALLISON LCT TRANSMISSION OR ALLISON 1000, 2000, 2400, P. 1

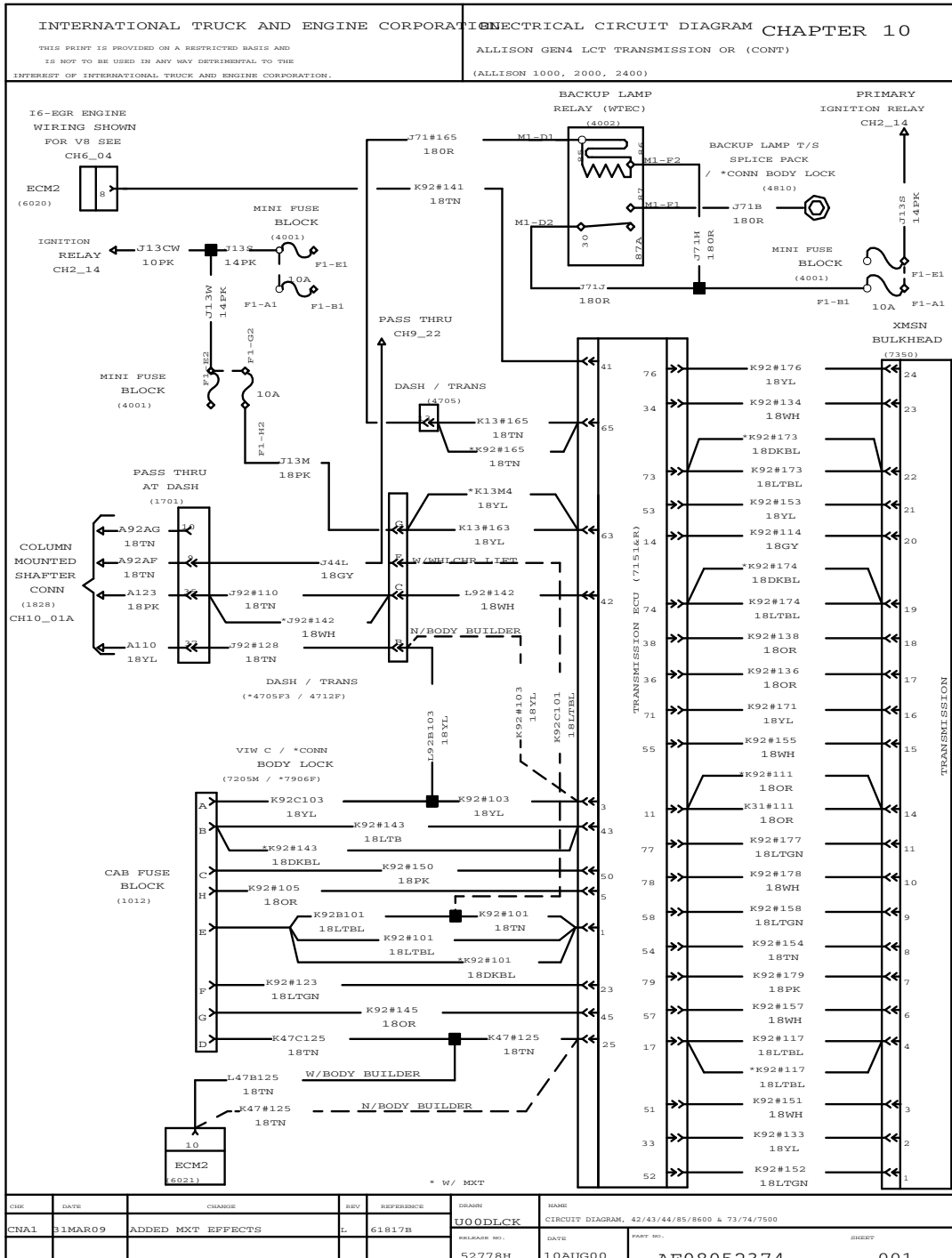


Figure 124 Allison LCT Transmission or Allison 1000, 2000, 2400

11.2. ALLISON MD TRANSMISSION, P. 2

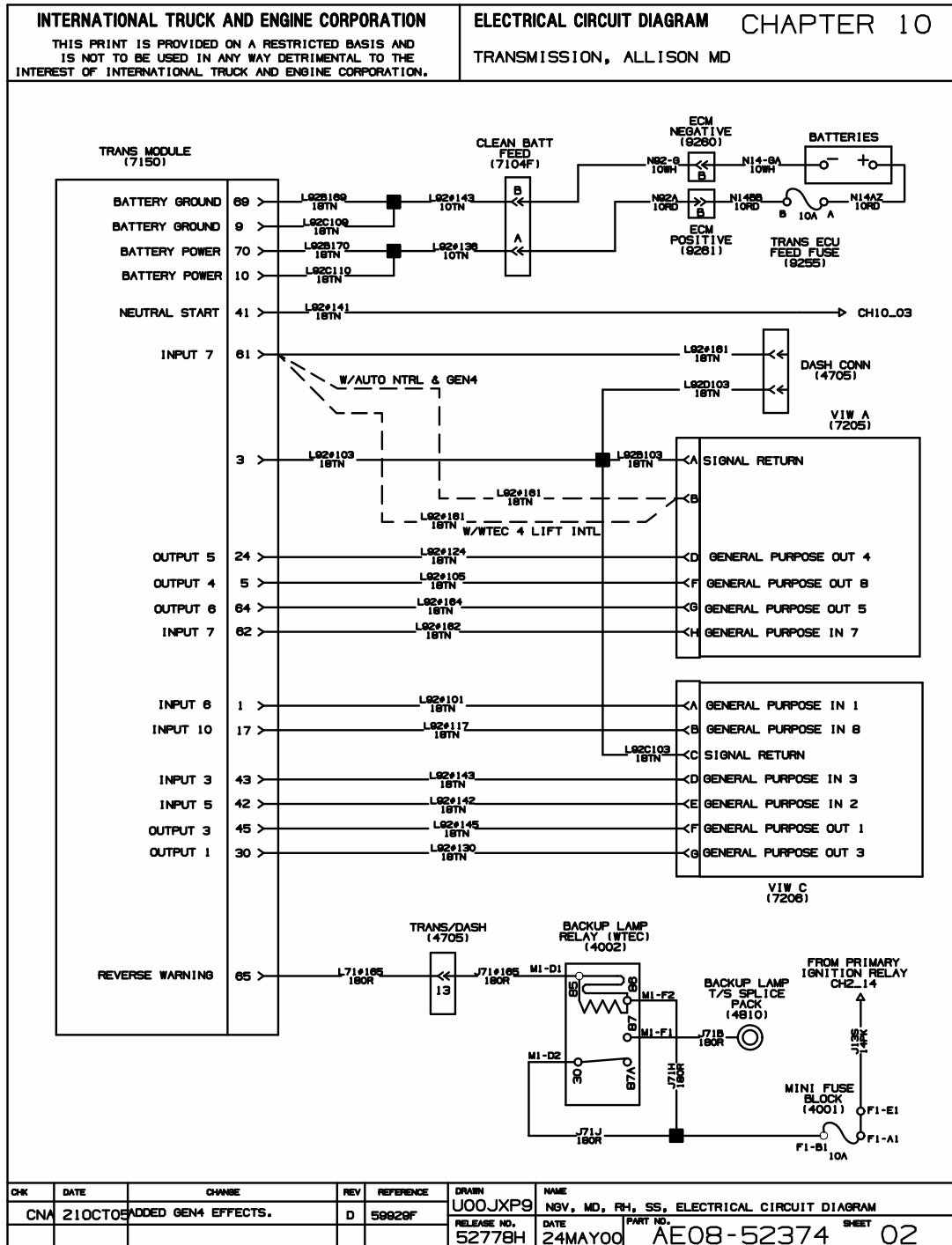


Figure 125 Allison MD Transmission

11.3. ALLISON MD TRANSMISSION (WTEC), P. 3

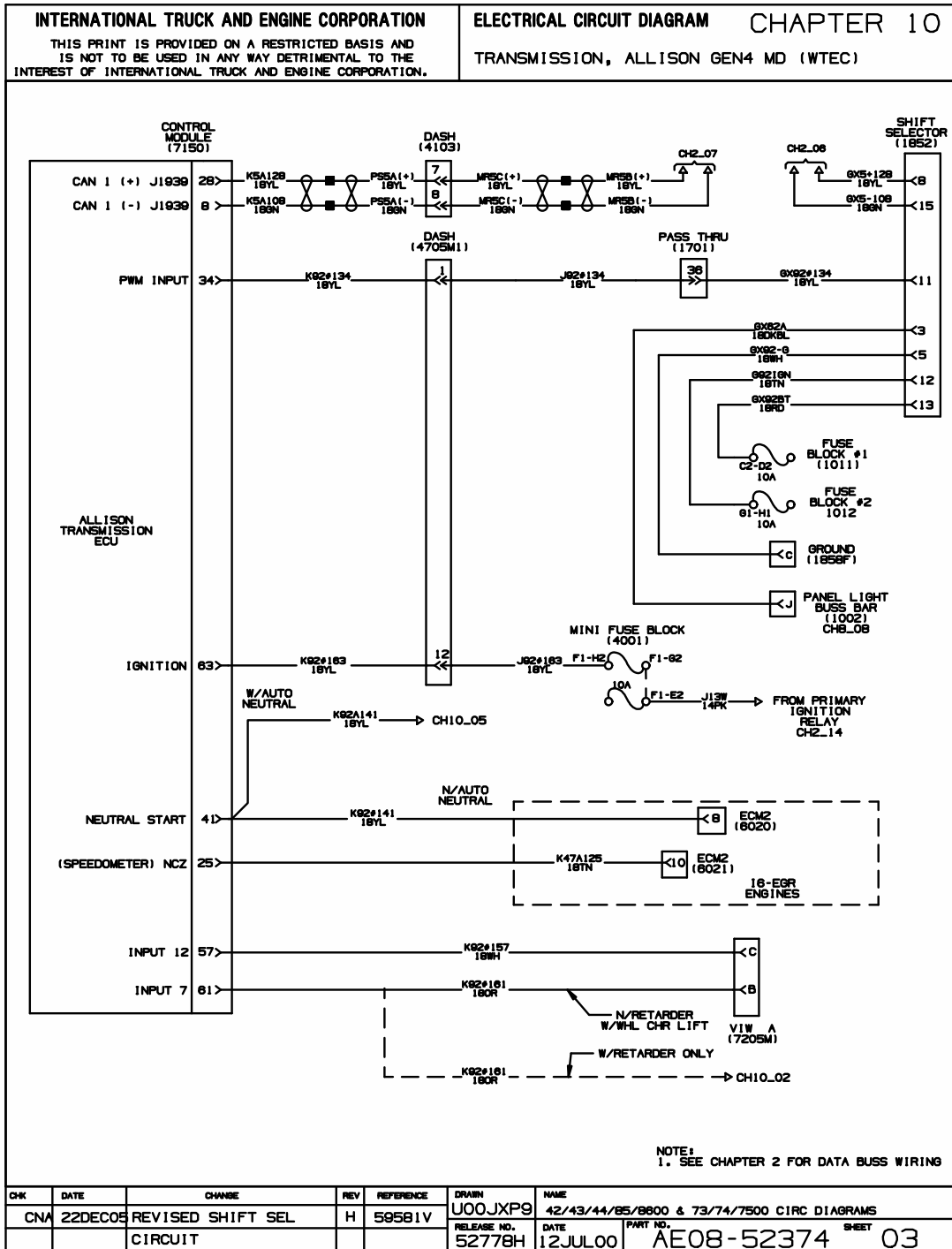


Figure 126 Allison MD Transmission (WTEC)

11.4. ALLISON MD TRANSMISSION (CONT.), P. 4

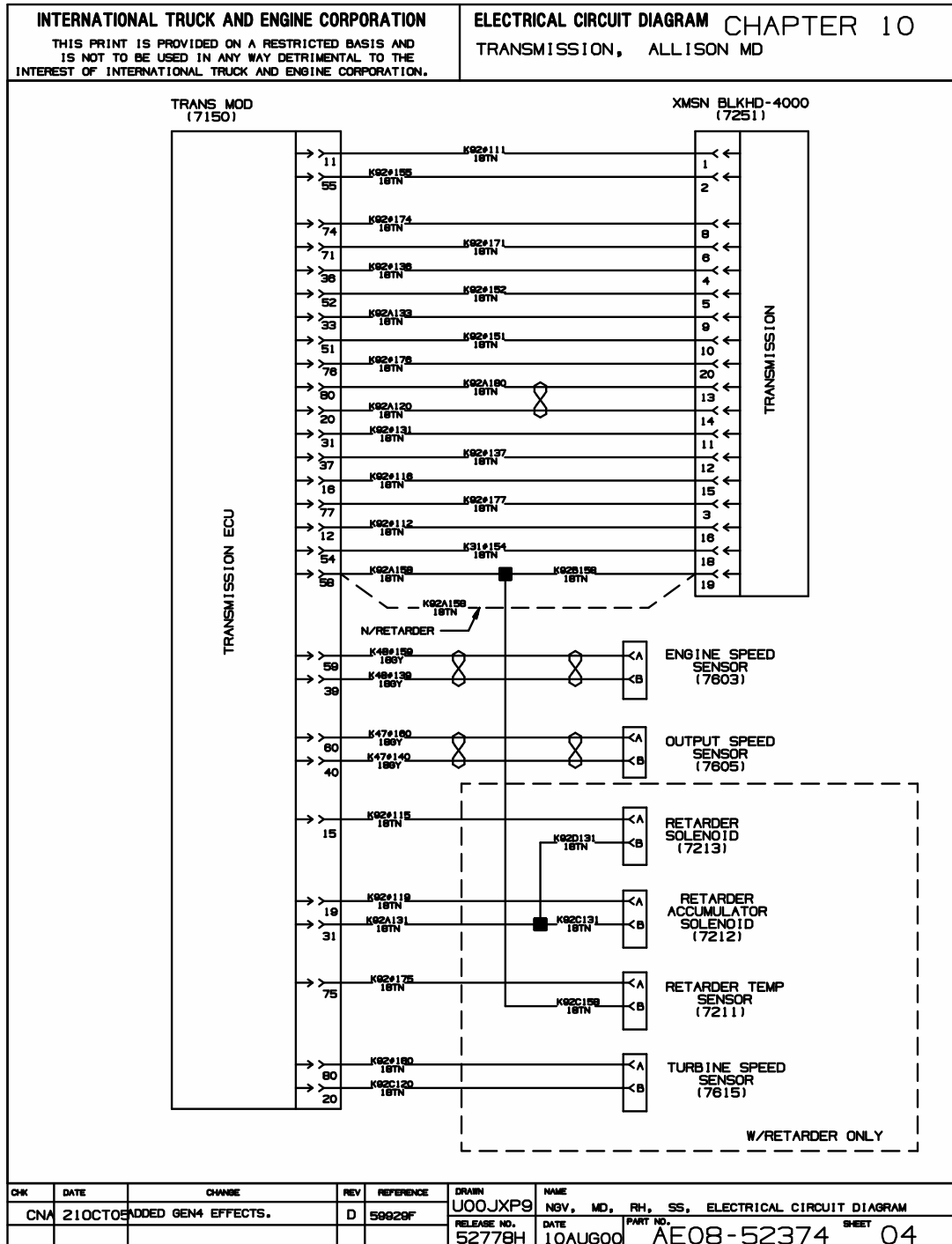


Figure 127 Allison MD Transmission (Cont.)

11.5. TRANSMISSION, WTEC MD W/AUTO NEUTRAL, P. 5

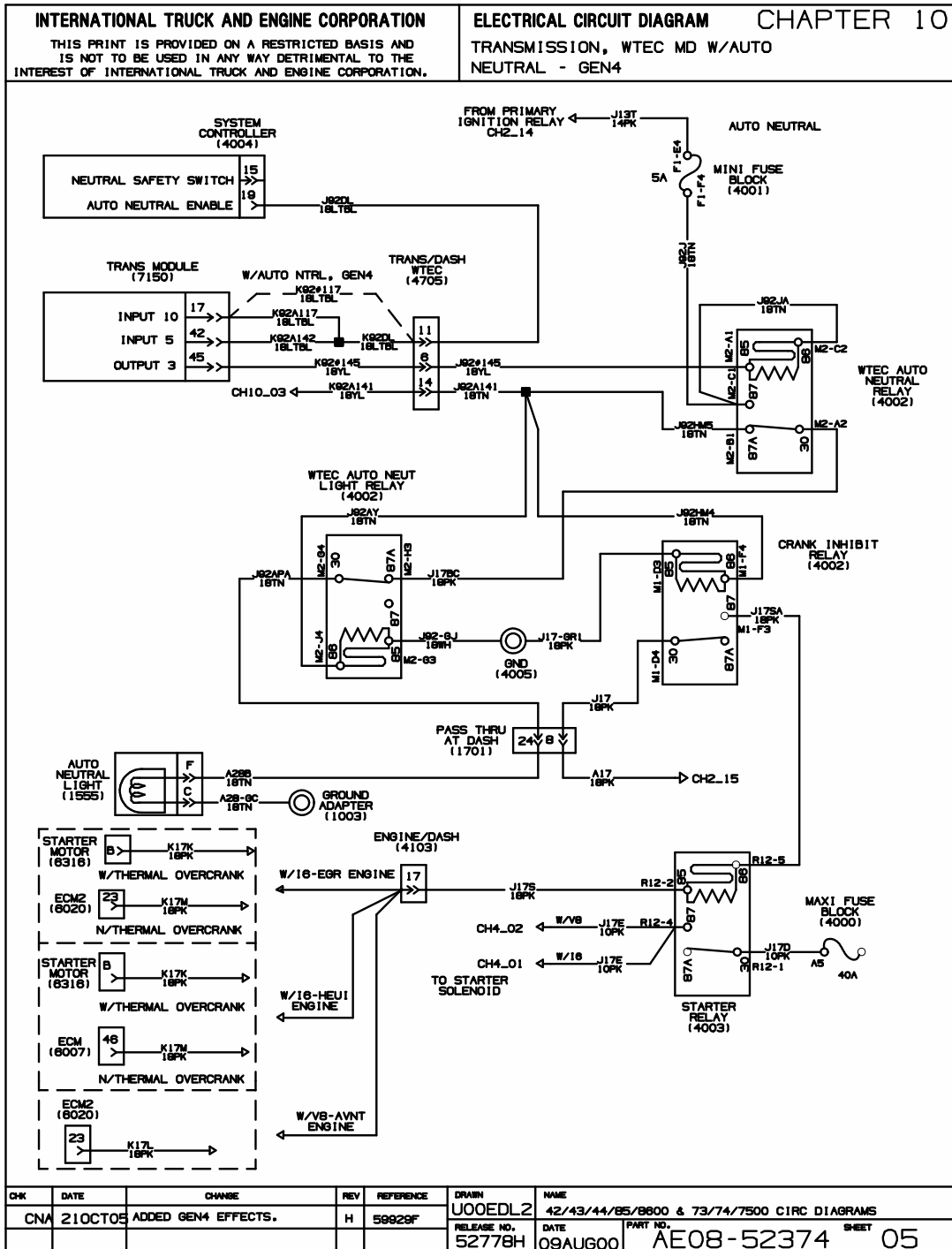


Figure 128 Transmission, WTEC MD W/Auto Neutral



11.6. EATON AUTOSHIFT TRANSMISSION, P. 6

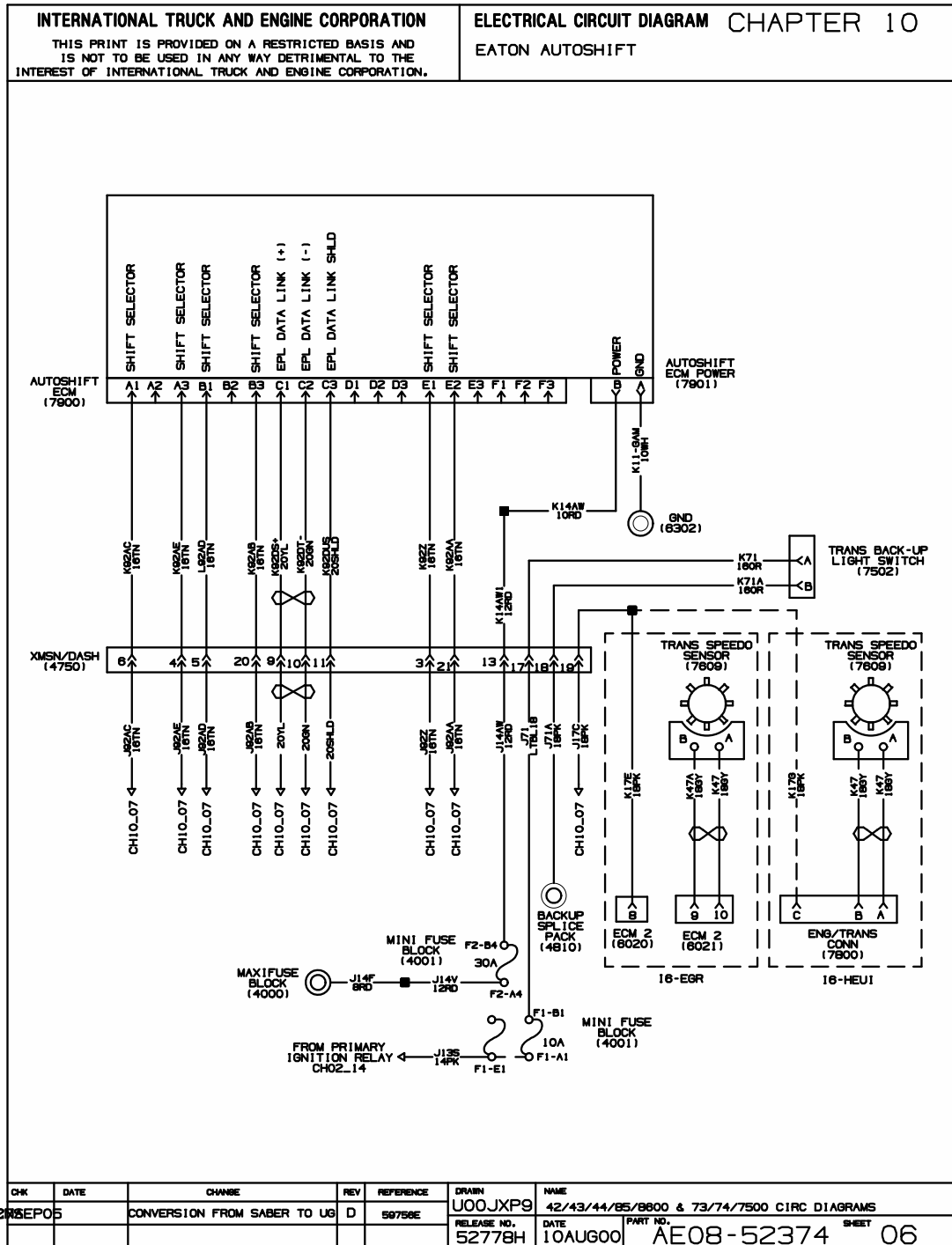


Figure 129 Eaton Autoshift Transmission

11.7. EATON AUTOSHIFT TRANSMISSION (CONT.), P. 7

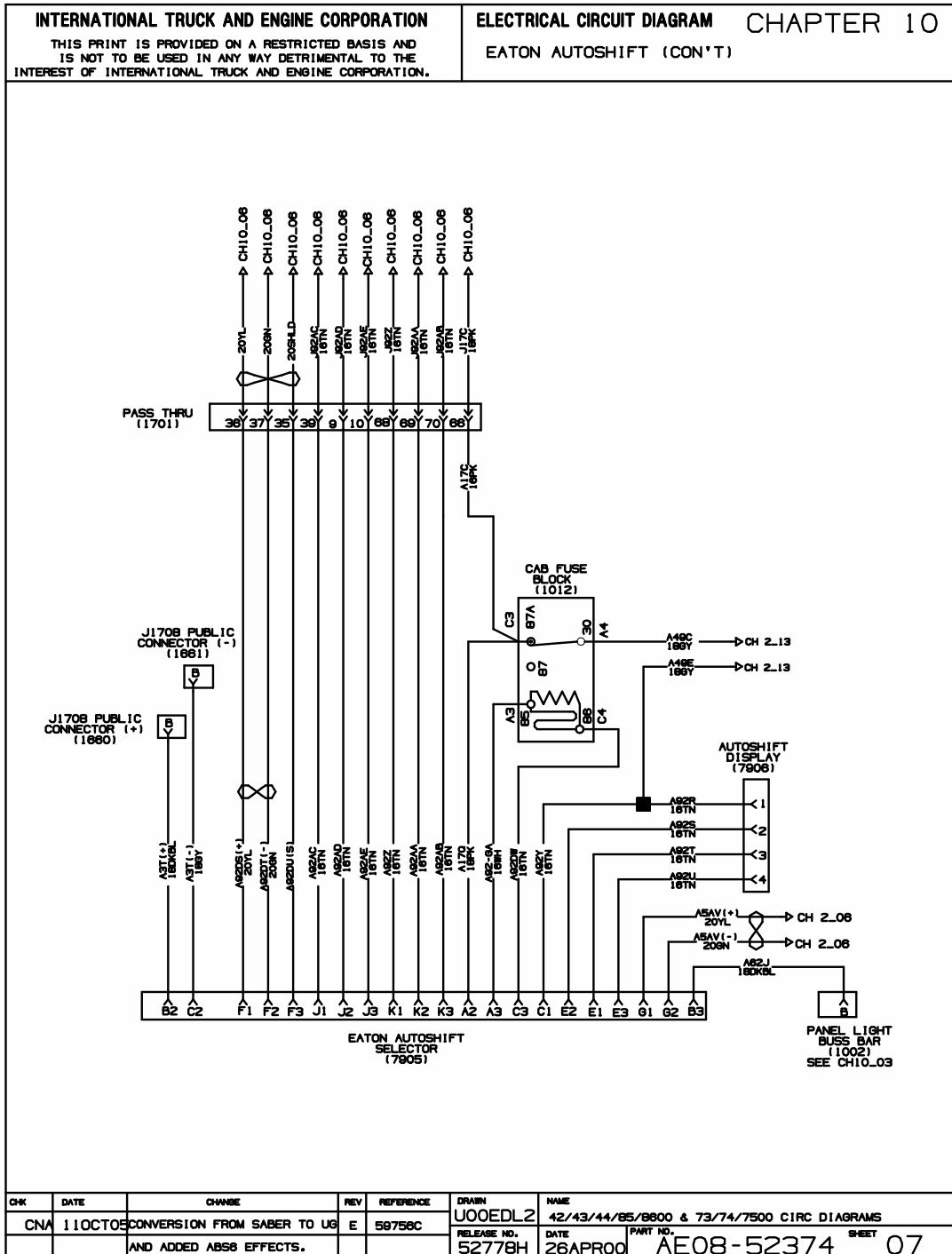


Figure 130 Eaton Autoshift Transmission (Cont.)

11.8. EATON LIGHTNING TRANSMISSION, P. 8

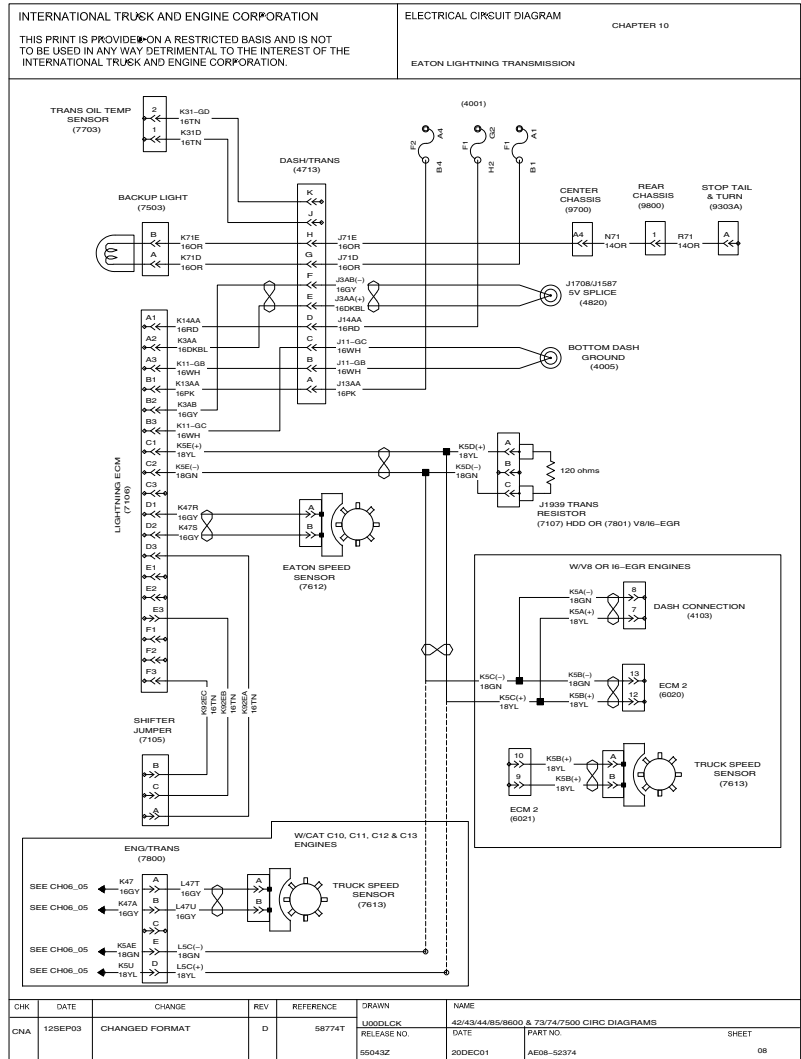


Figure 131 Eaton Lightning Transmission

11.9. ALLISON HD TRANSMISSION, P. 9

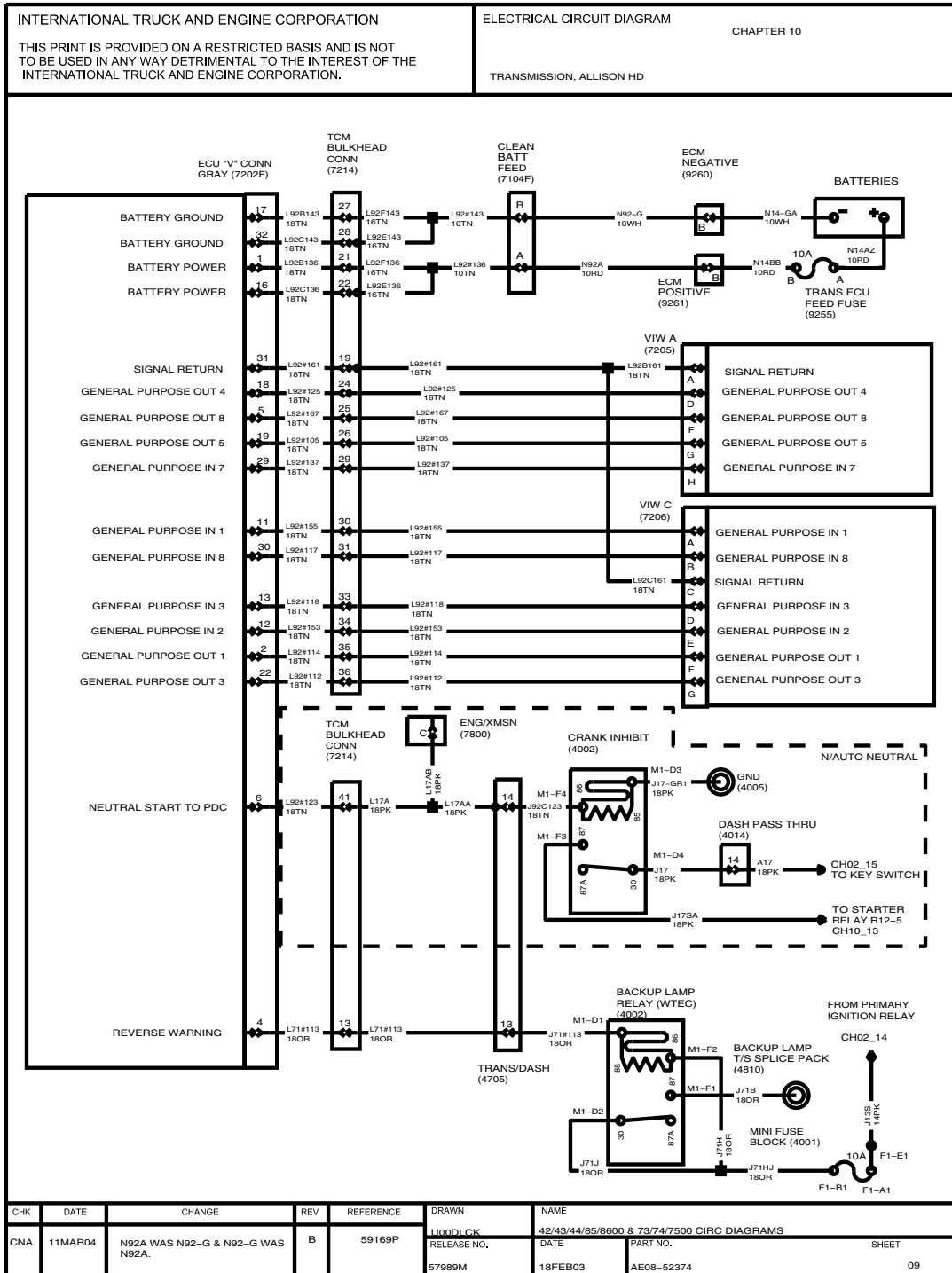


Figure 132 Allison HD Transmission

11.10. ALLISON HD TRANSMISSION, P. 10

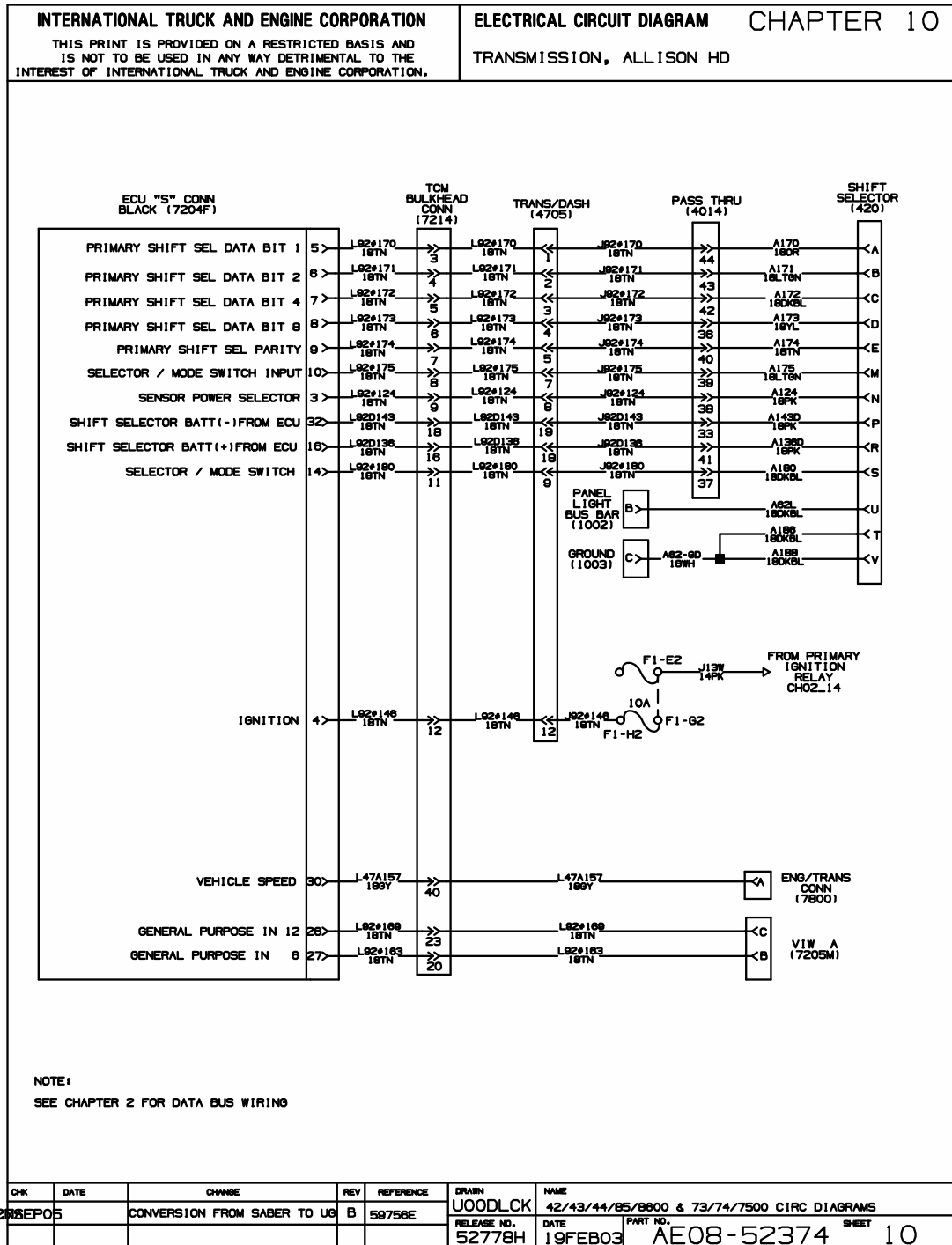
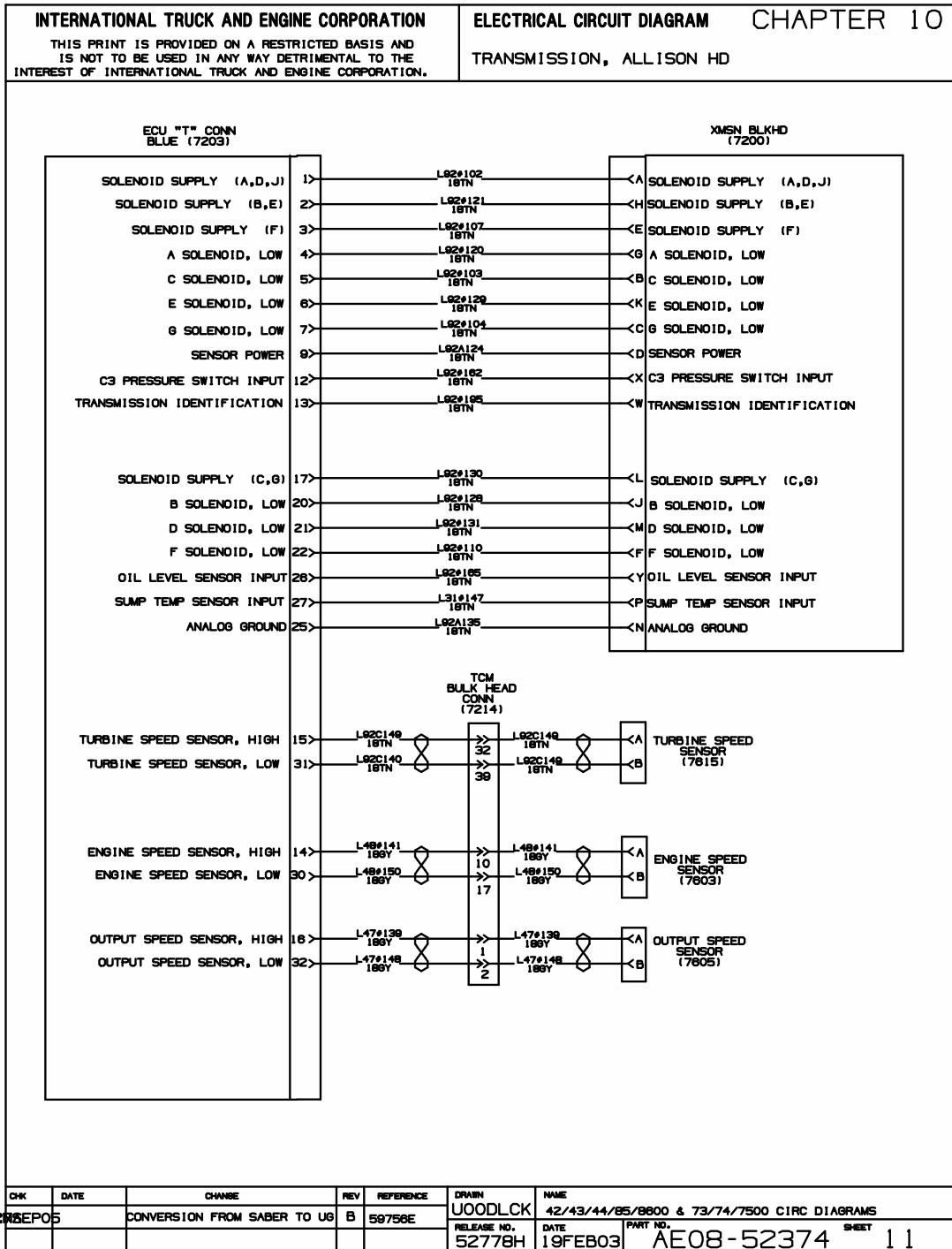


Figure 133 Allison HD Transmission (Cont.)

11.11. ALLISON HD TRANSMISSION, P. 11



CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
2	09SEP05	CONVERSION FROM SABER TO UG	B	59756E	UOODLCK	42/43/44/85/8800 & 73/74/7500 CIRC DIAGRAMS
					RELEASE NO.	DATE
					5277BH	19FEB03
					PART NO.	SHEET
					AE08-52374	11

Figure 134 Allison HD Transmission (Cont.)

11.12. ALLISON HD TRANSMISSION WITH AUTO NEUTRAL, P. 12

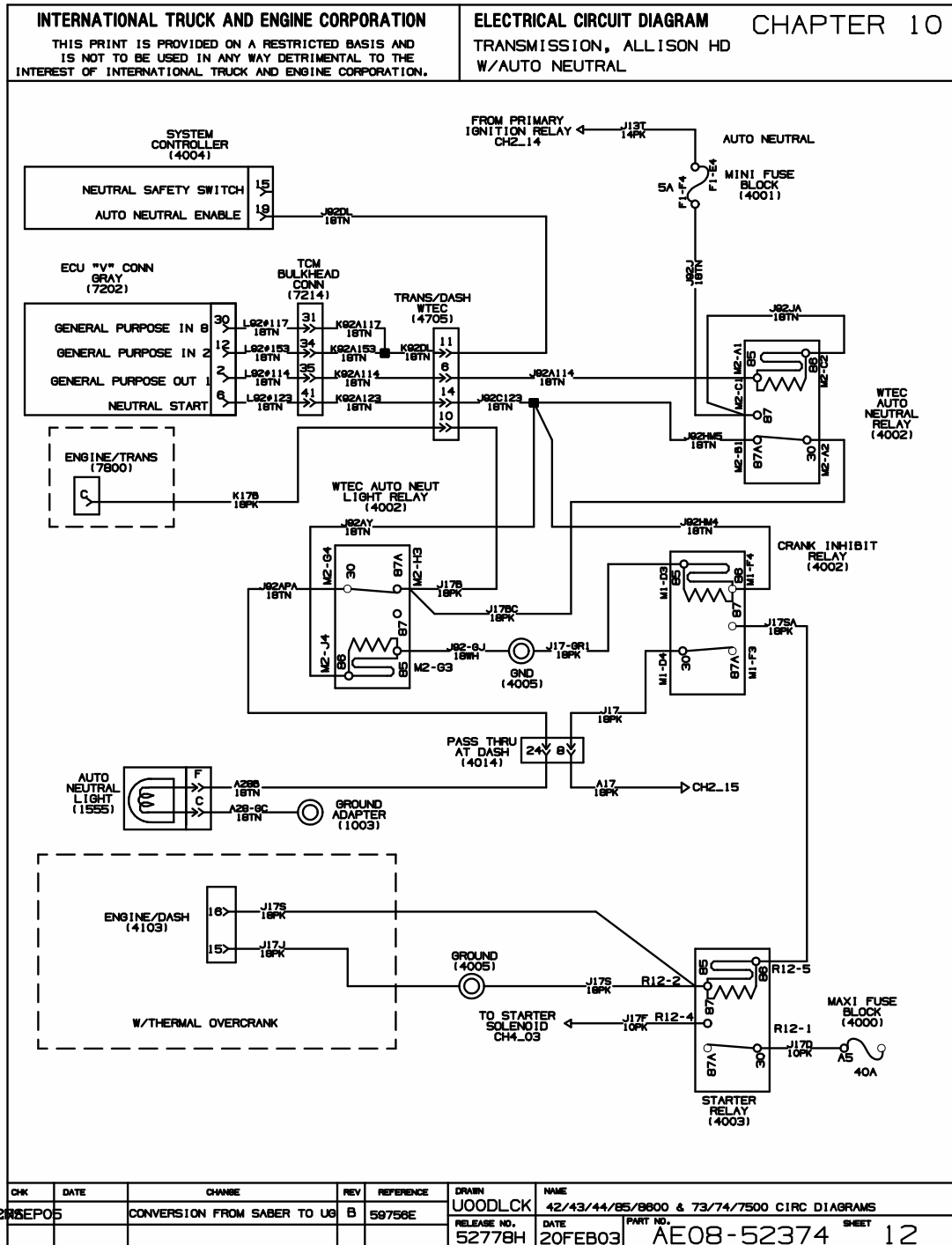


Figure 135 Allison HD Transmission With Auto Neutral

11.13. ALLISON HD TRANSMISSION WITH AUTO NEUTRAL AND WITH 0013WUA, P. 13

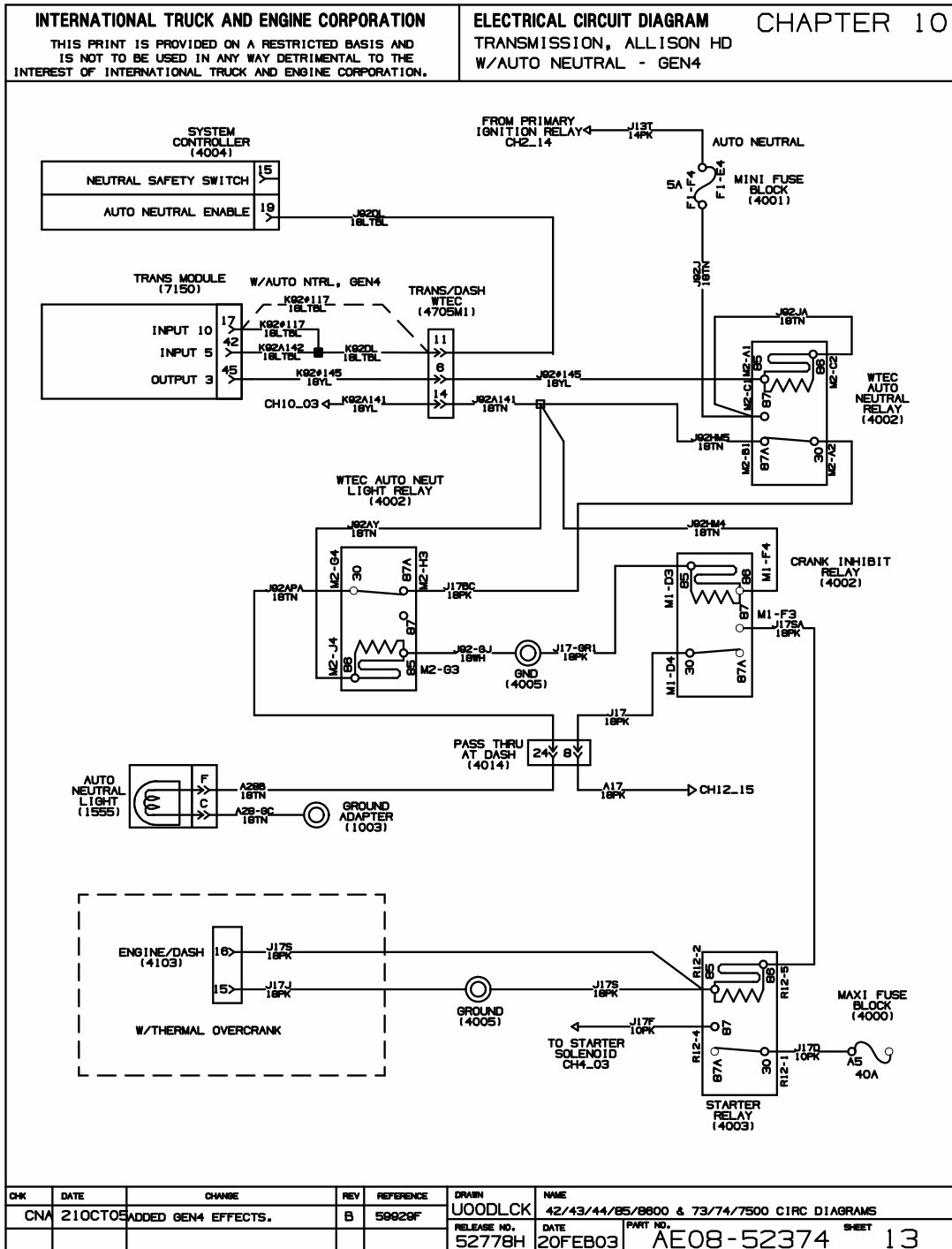


Figure 136 Allison HD Transmission With Auto Neutral and with 0013WUA



11.14. ALLISON LCT TRANSMISSION (ALLISON 1000, 2000, 2400) WITH I6 HEUI, P. 14

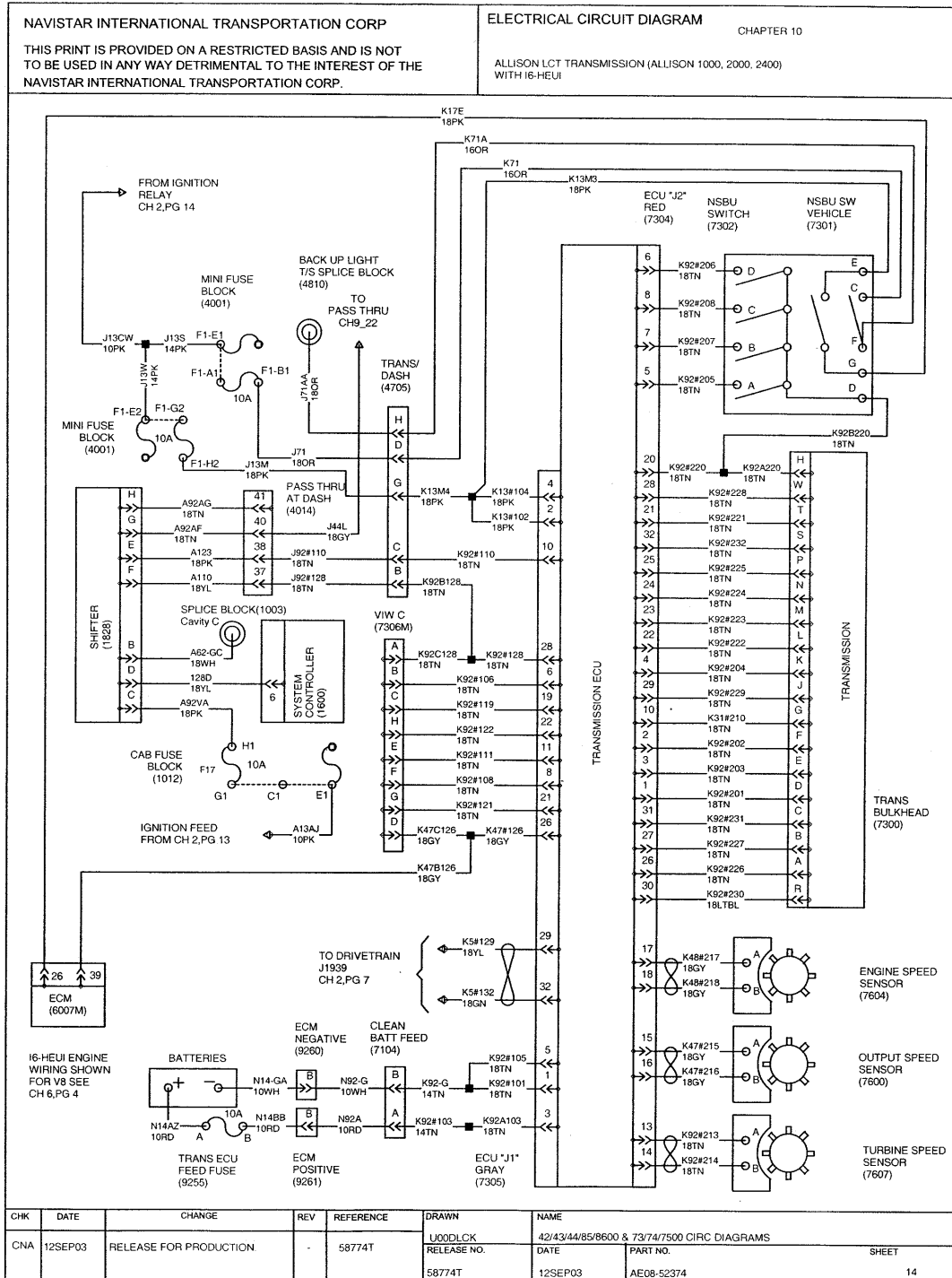


Figure 137 Allison LCT Transmission (Allison 1000, 2000, 2400) with I6 HEUI

11.15. TRANSMISSION RETARDER CONTROL WIRING WITH MD XMSN, HARD WIRED EFFECTS, P. 15

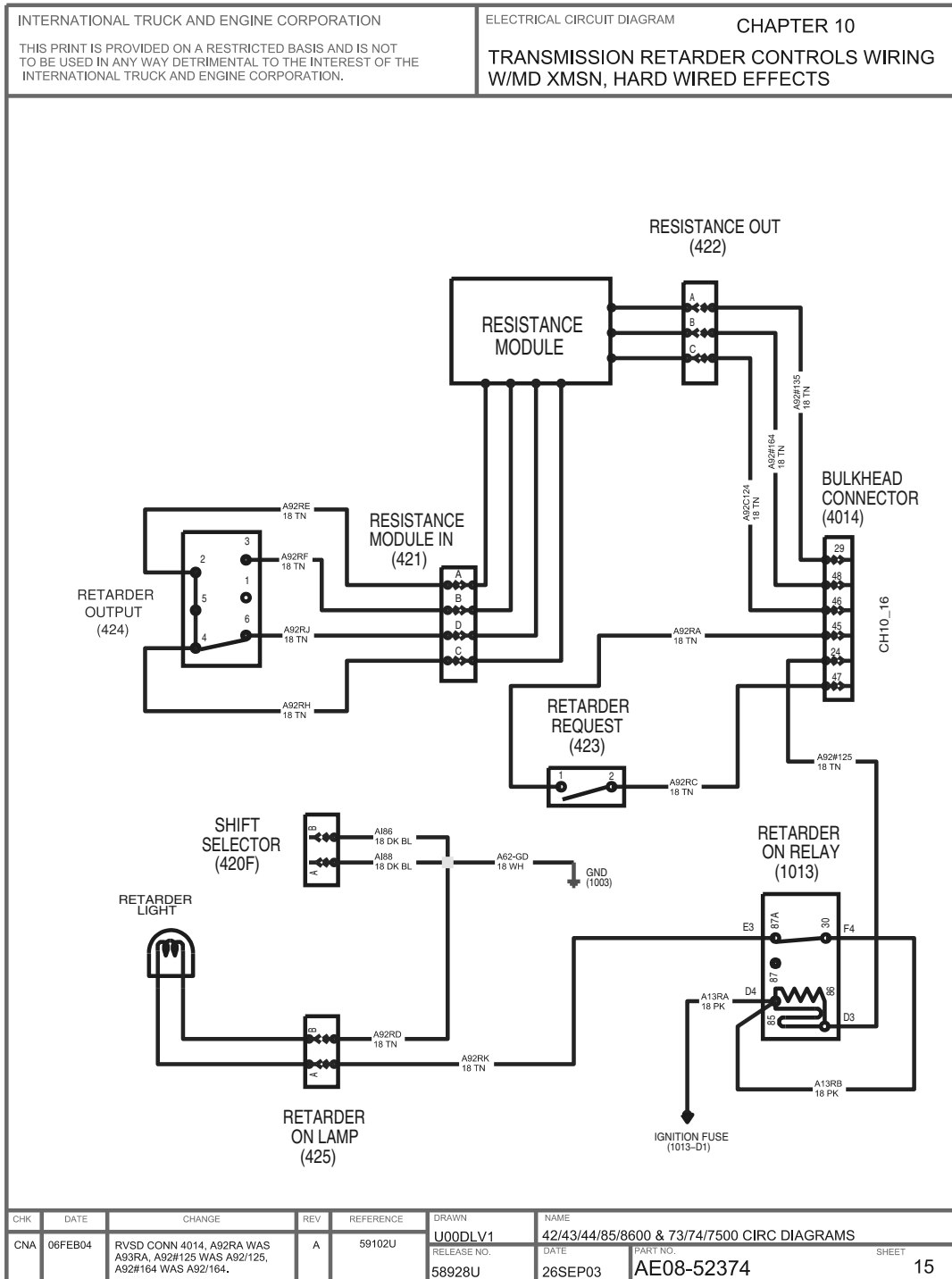


Figure 138 Transmission Retarder Control Wiring with MD Transmission, Hard Wired Effects

11.16. TRANSMISSION RETARDER CONTROL WIRING WITH MD XMSN, HARD WIRED EFFECTS, P. 16

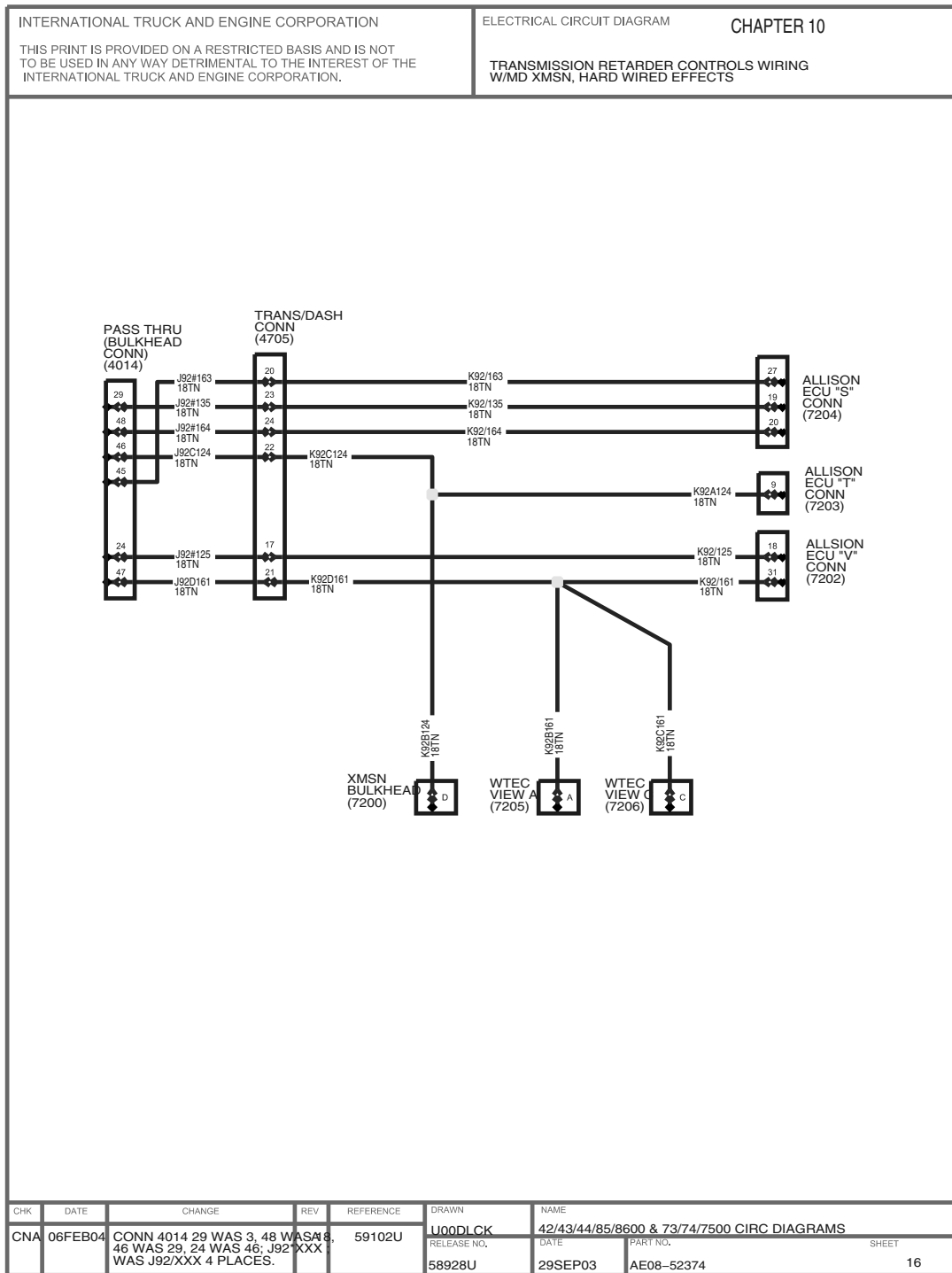


Figure 139 Transmission Retarder Control Wiring with MD Transmission, Hard Wired Effects

AIR CONDITIONING (CHAPTER 11)

12.1. HVAC SYSTEMS, P. 1

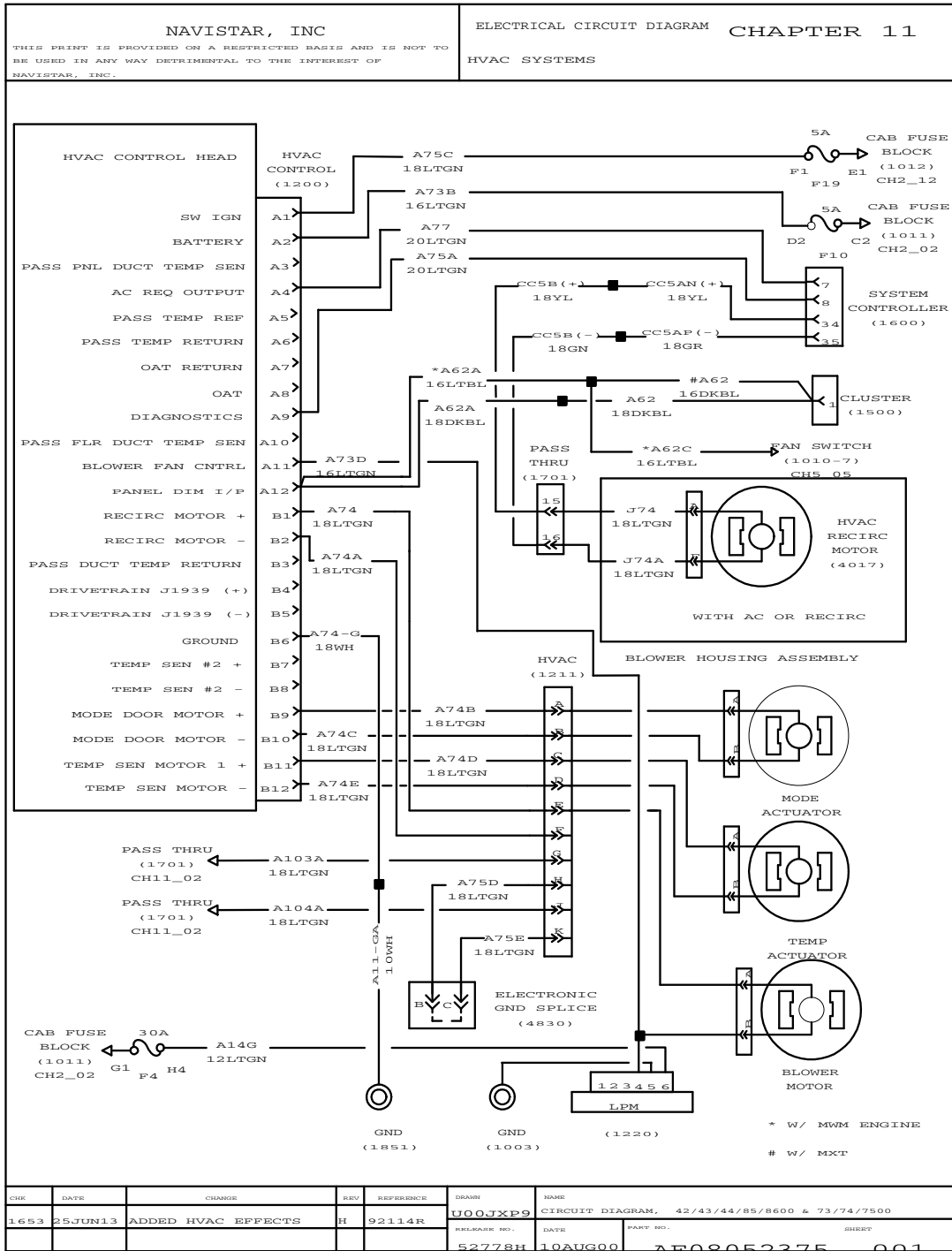


Figure 140 HVAC Systems

12.2. AIR CONDITIONING (ONLY), P. 2

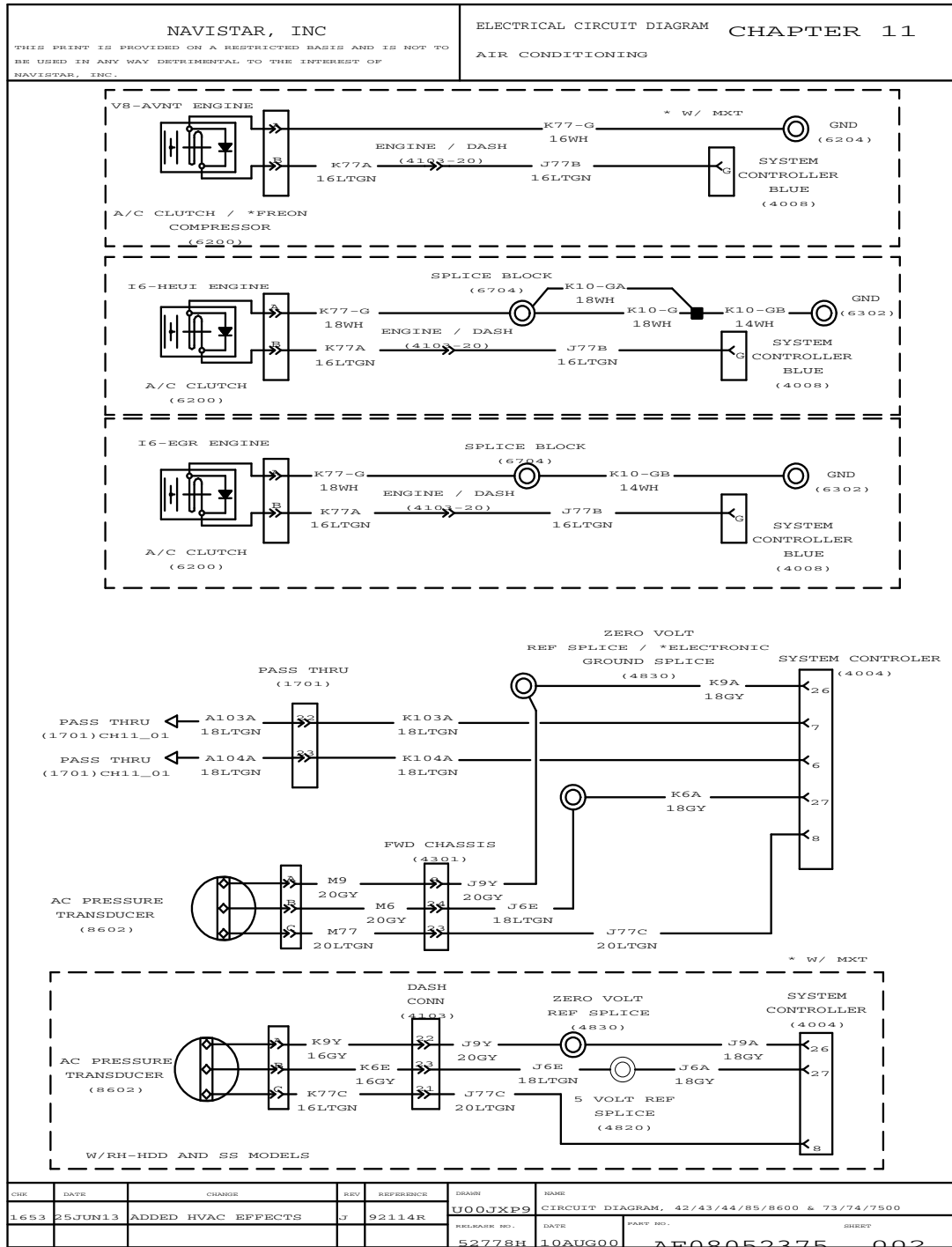


Figure 141 Air Conditioning (Only)

12.3. AUTOTHERM SYSTEMS, P. 3

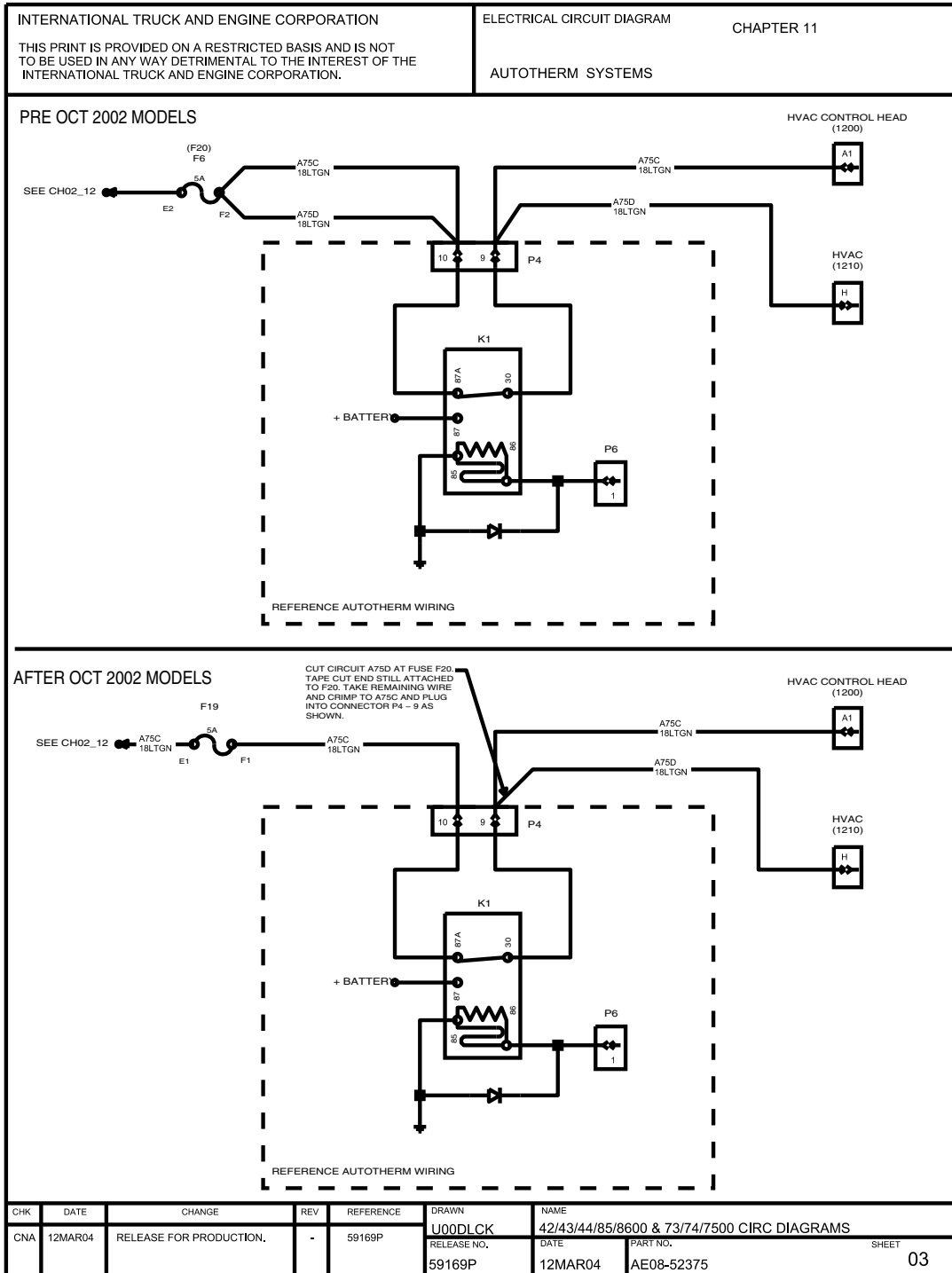


Figure 142 Air Conditioning (Only)

## CONNECTOR COMPOSITES (CHAPTER 12)

### 13.1. CONNECTOR COMPOSITES (10M), (71), (72), (345F), P. 1

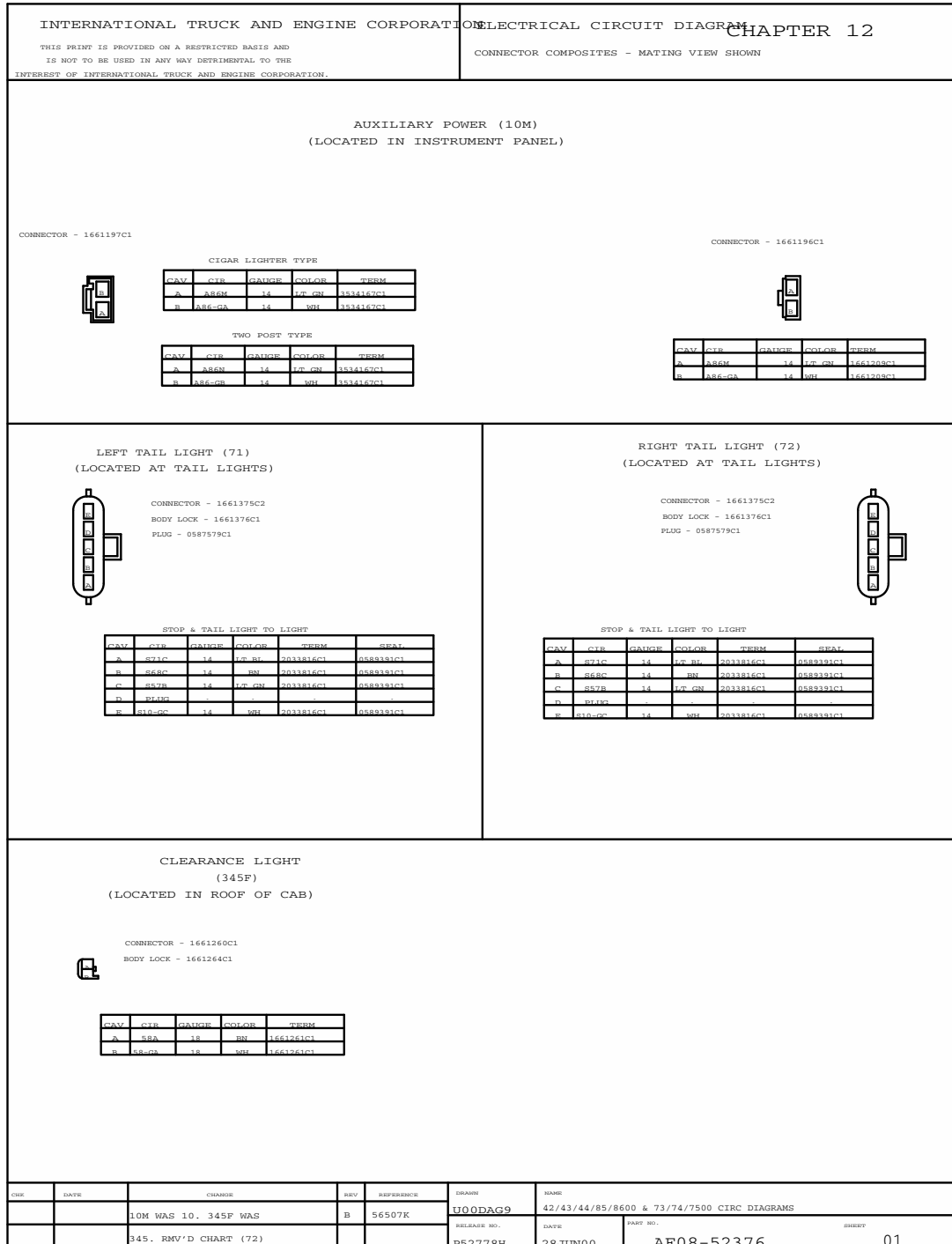


Figure 143 Connector Composites (10M), (71), (72), (345F)

13.2. CONNECTOR COMPOSITES (420F), (420M), (520), (521), (522), (523), (524), P. 2

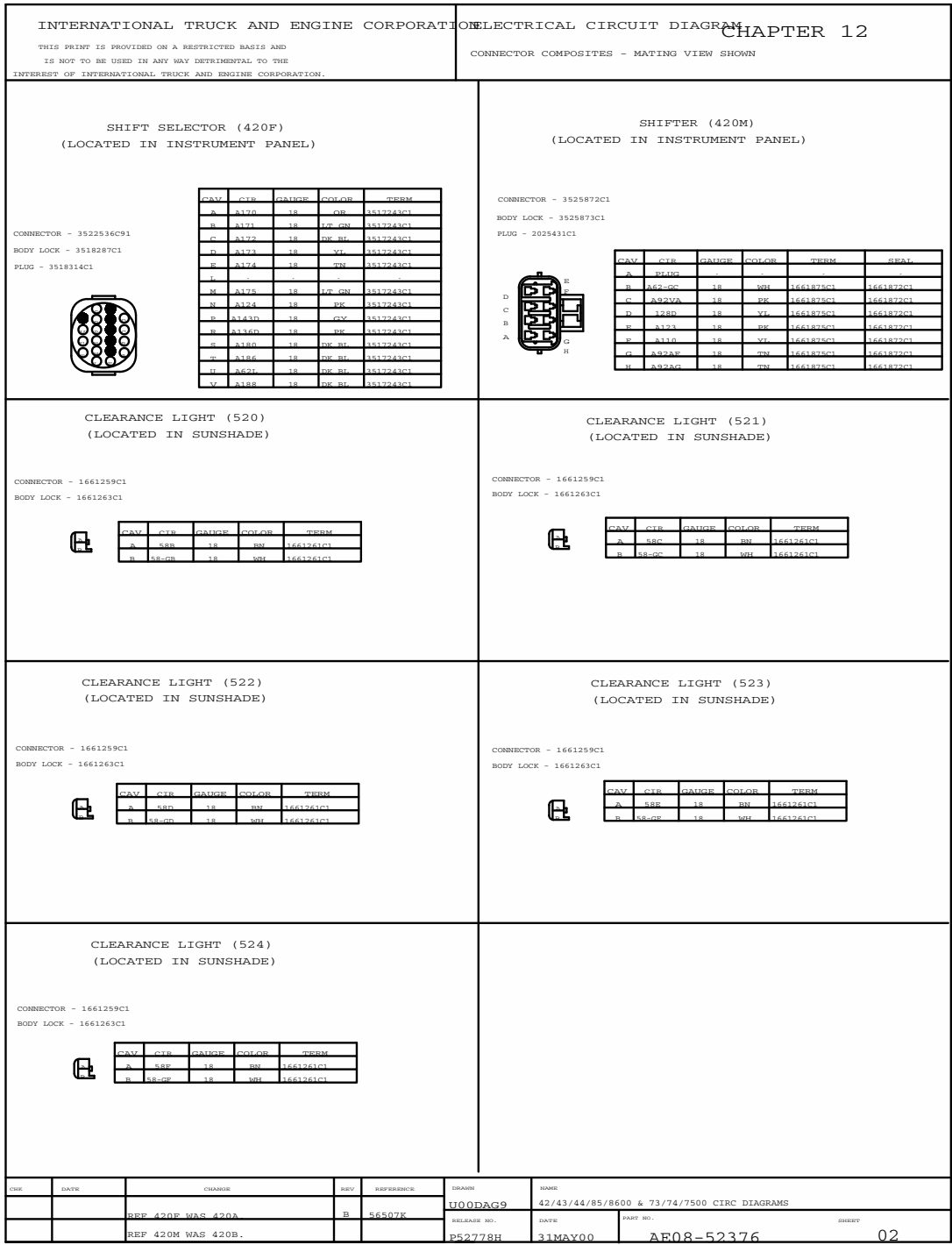


Figure 144 Connector Composites (420F), (420M), (520), (521), (522), (523), (524)



13.3. CONNECTOR COMPOSITES (1002), (1003), (1010), P. 3

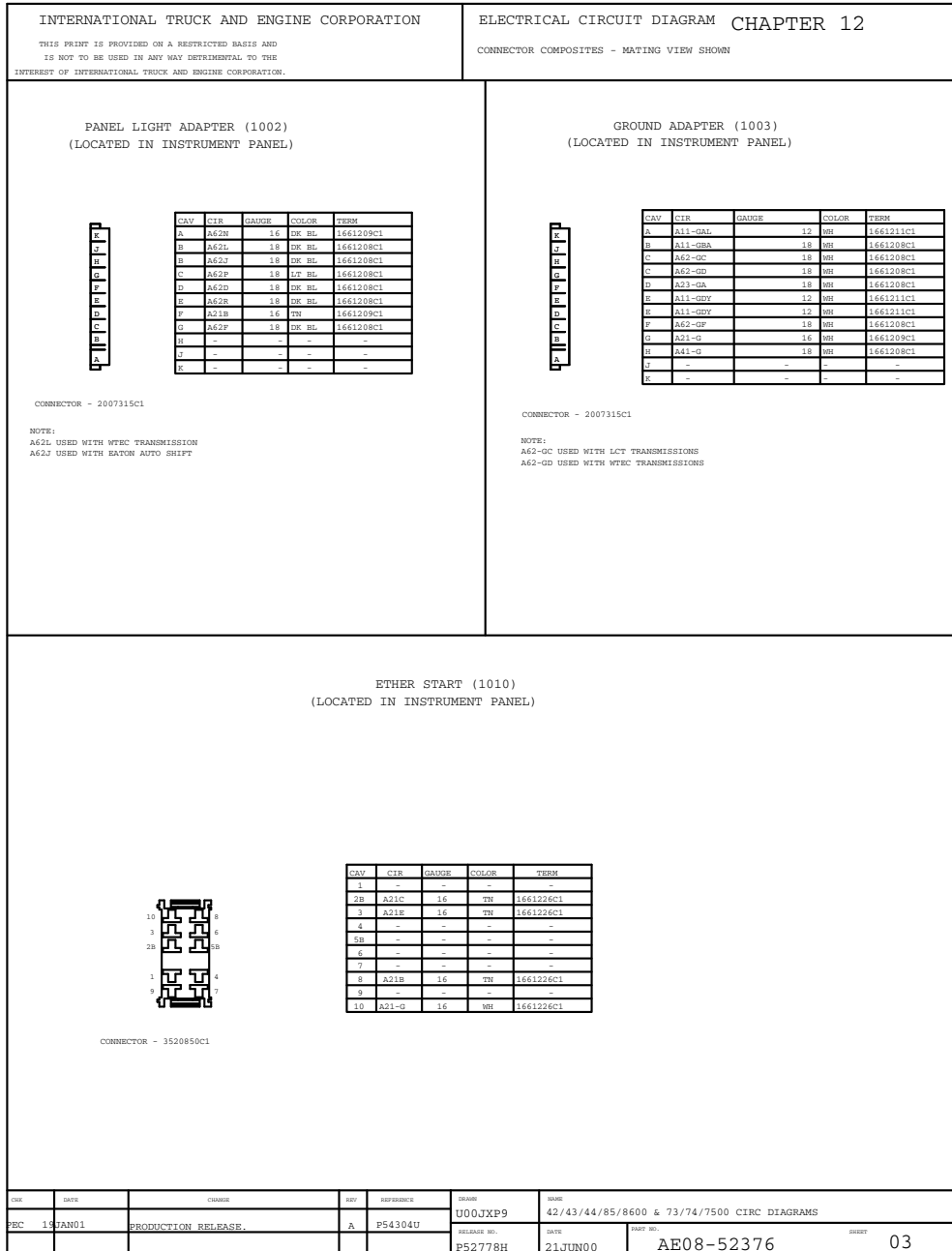


Figure 145 Connector Composites (1002), (1003), (1010)

13.4. CONNECTOR COMPOSITE (1011), P. 4

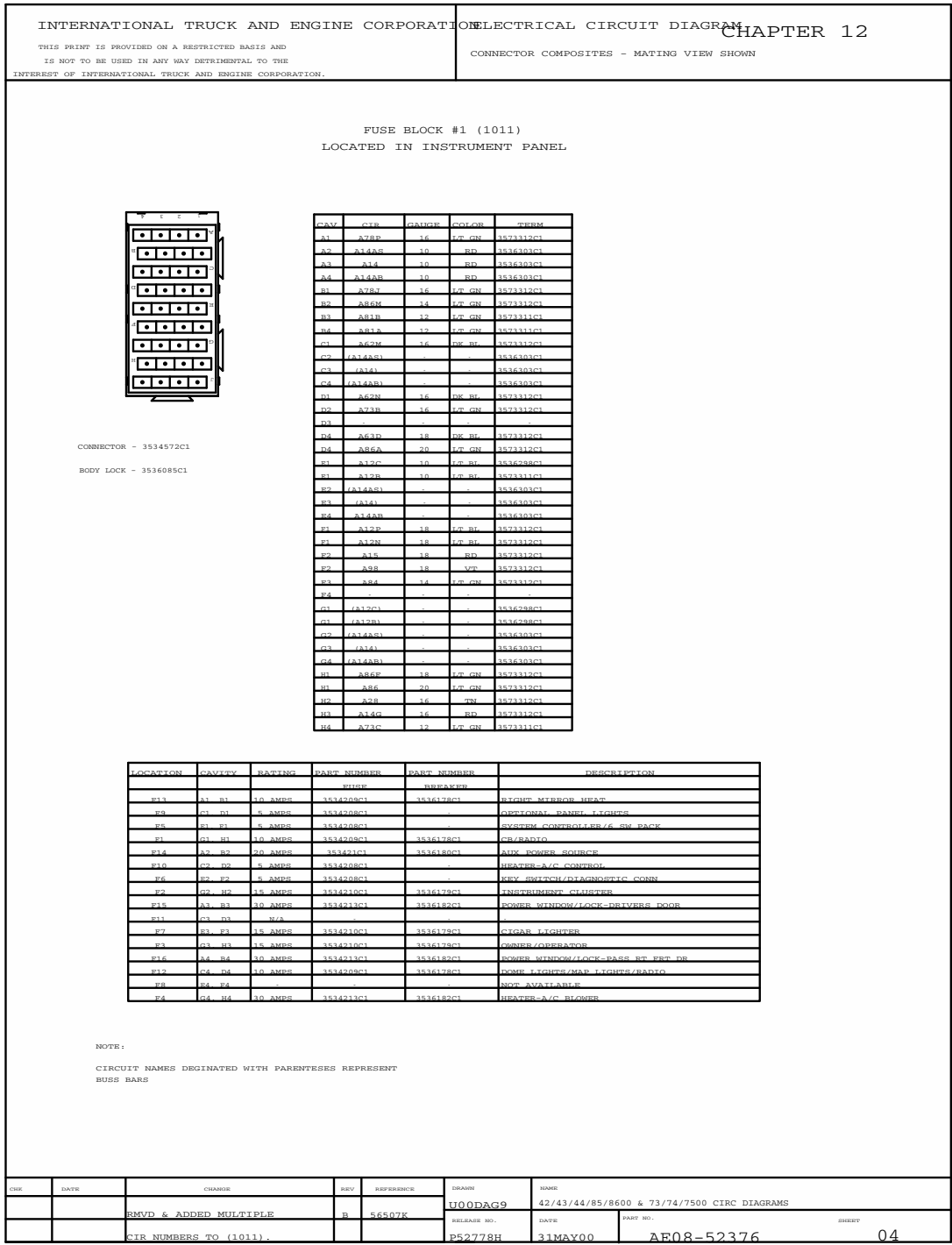


Figure 146 Connector Composite (1011)

13.5. CONNECTOR COMPOSITE (1012), P. 5

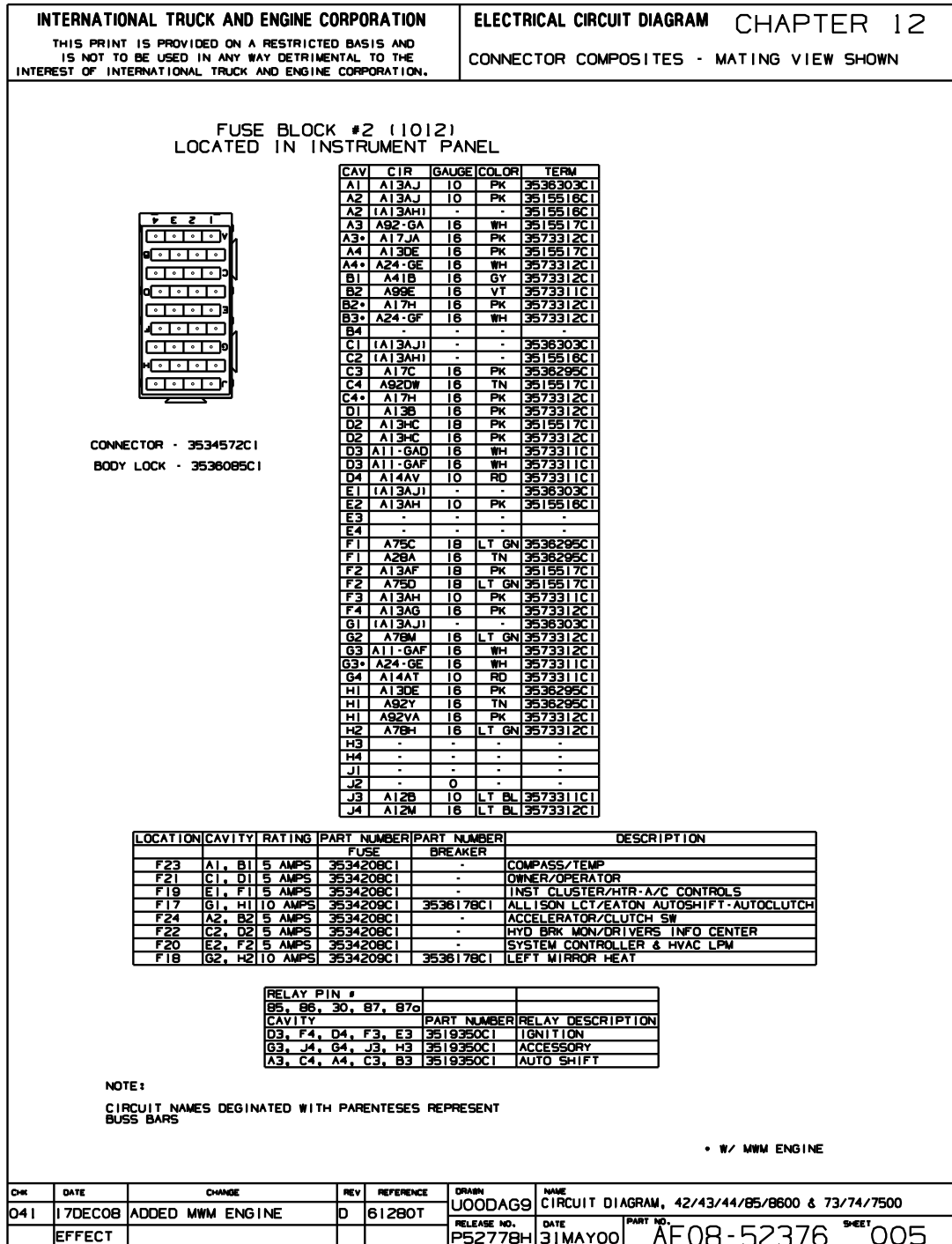


Figure 147 Connector Composite (1012)

13.6. CONNECTOR COMPOSITE (1013), P. 6

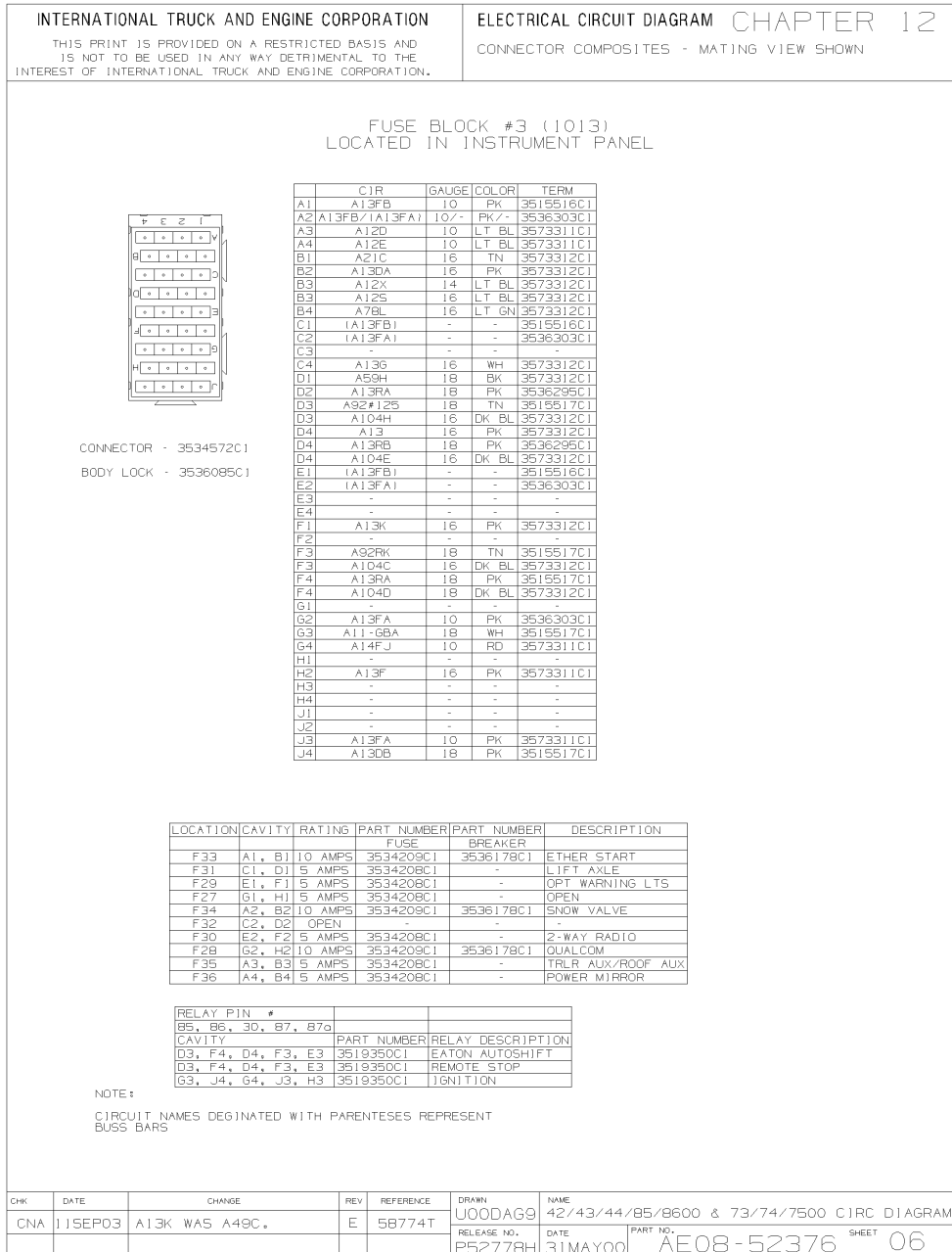


Figure 148 Connector Composite (1013)

13.7. CONNECTOR COMPOSITE (1014), P. 7

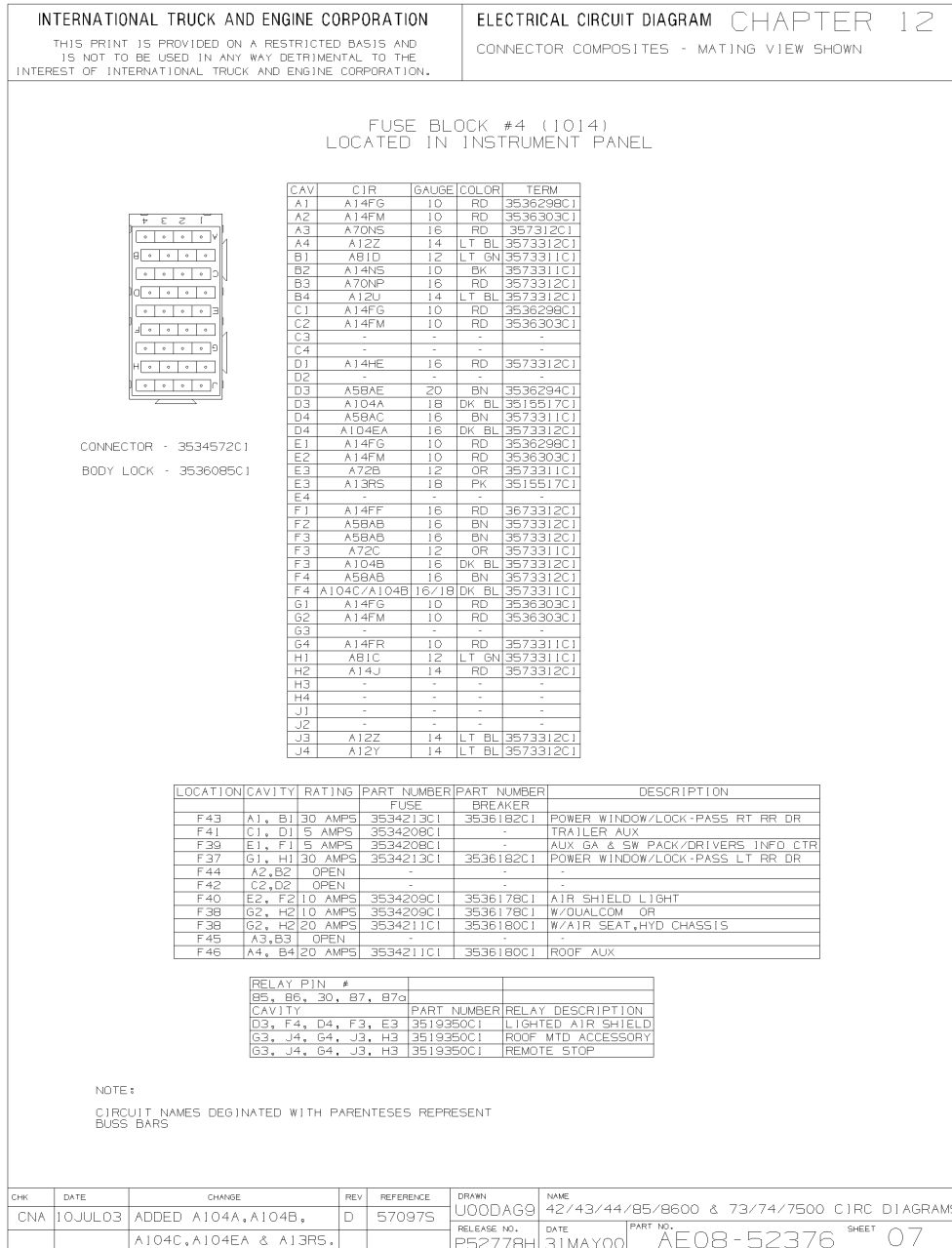


Figure 149 Connector Composite (1014)

13.8. CONNECTOR COMPOSITES (1018), (1019M), (1020M), (1021M), (1022M), P. 8

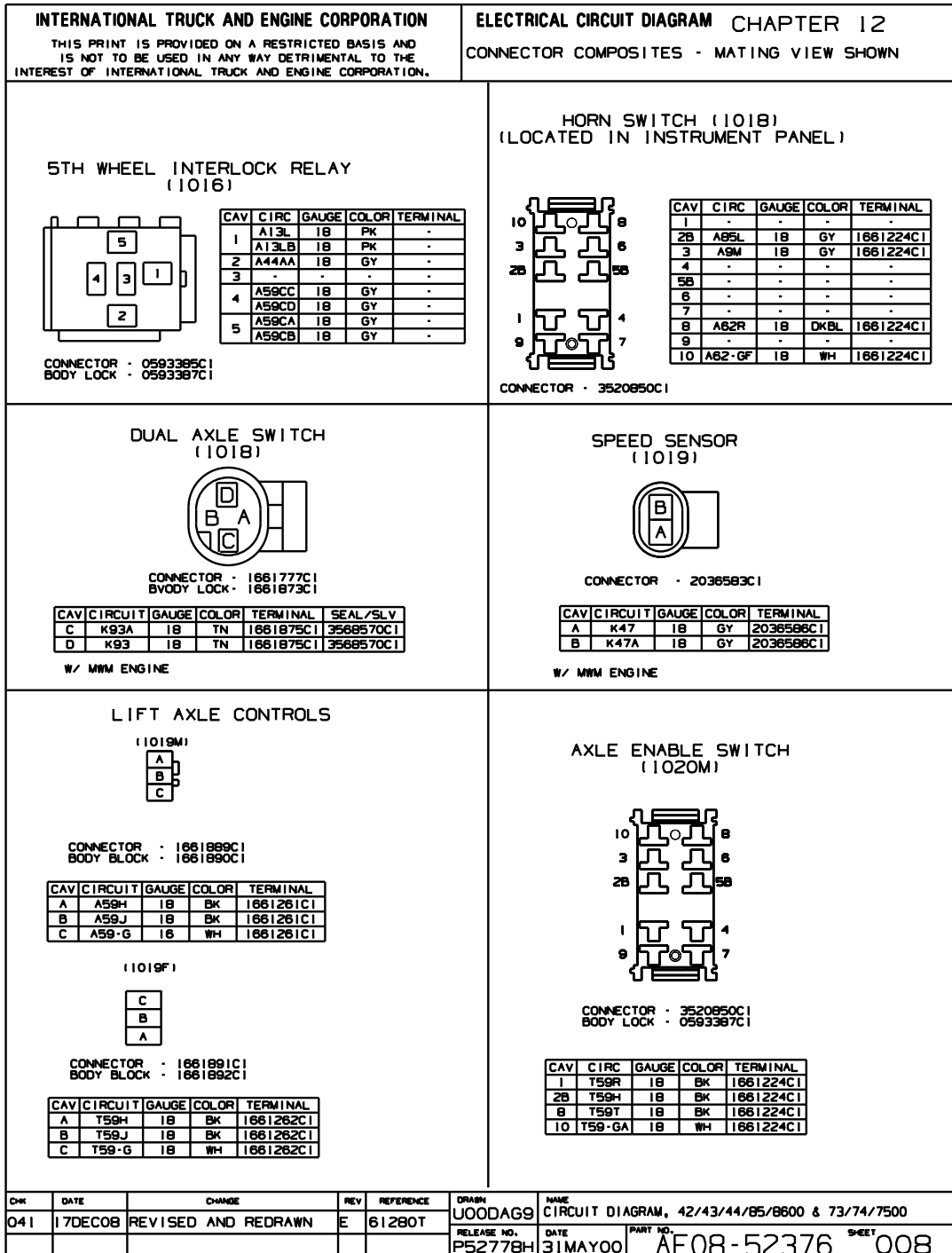


Figure 150 Connector Composites (1018), (1019M), (1020M), (1021M), (1022M)

13.9. CONNECTOR COMPOSITES (1027M, F), (1100), (1101A), (1101), (1102), P. 9

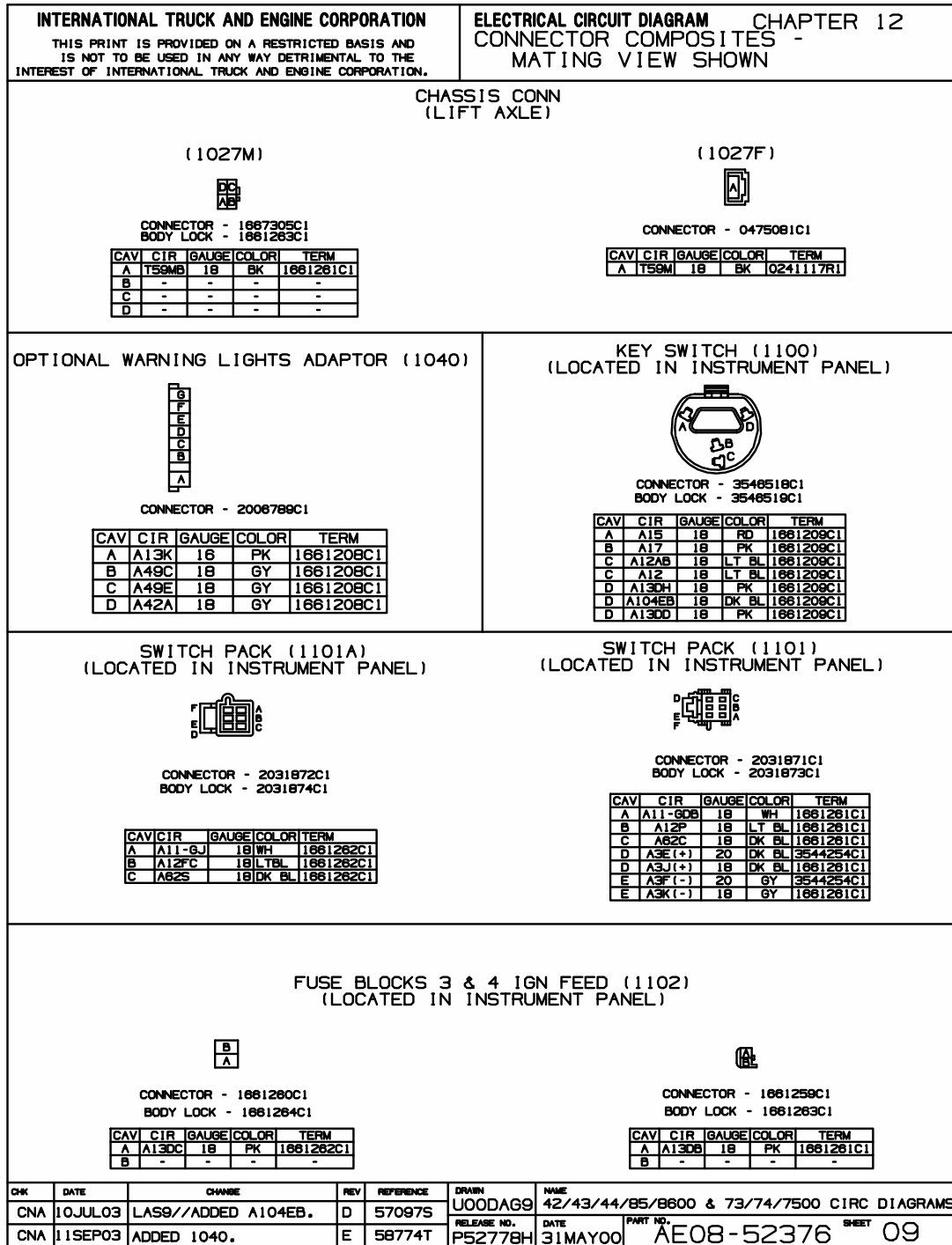


Figure 151 Connector Composites (1027M, F), (1100), (1101A), (1101), (1102)

13.10. CONNECTOR COMPOSITES (1104), (1106), (1200), (1210), P. 10

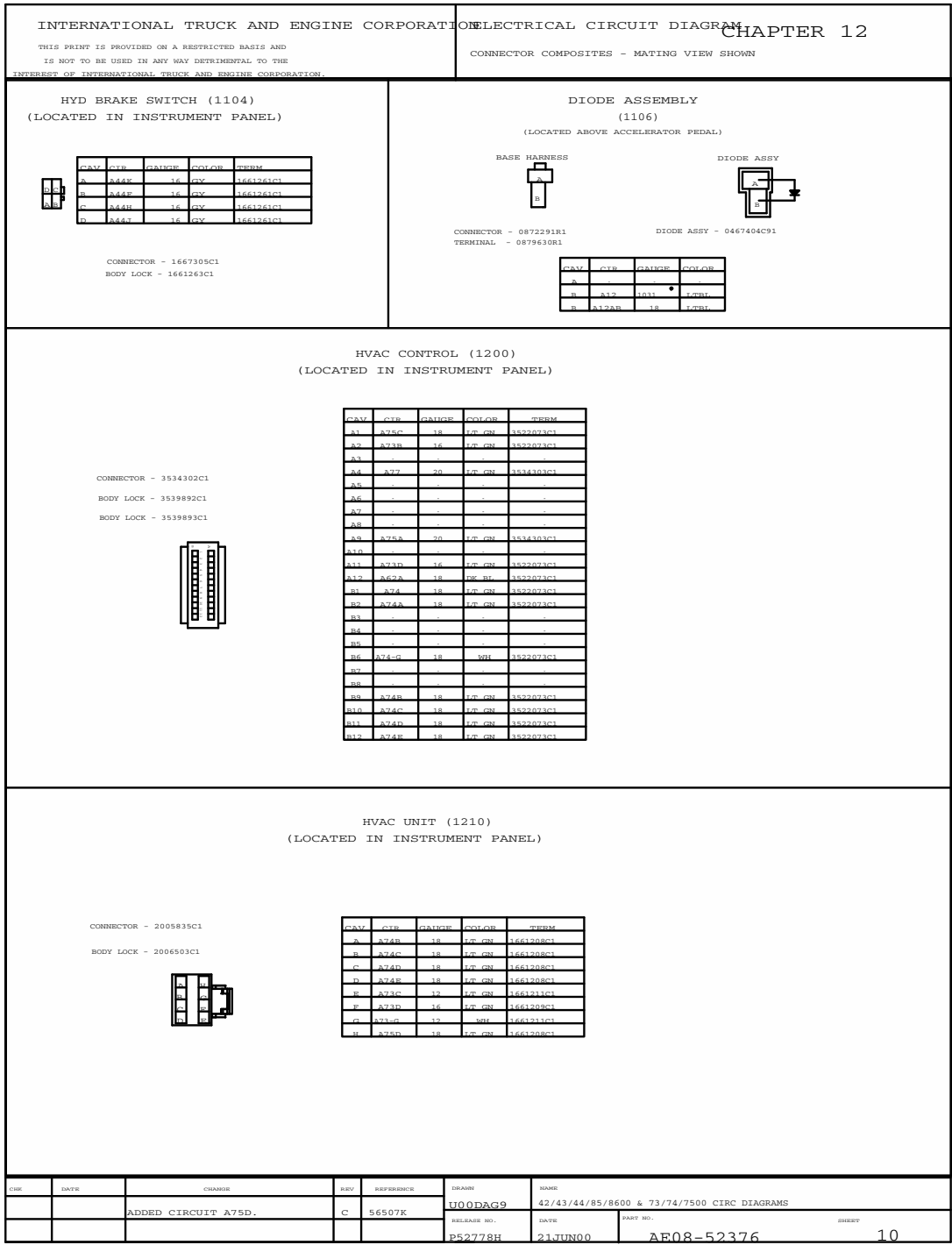


Figure 152 Connector Composites (1104), (1106), (1200), (1210)



13.11. CONNECTOR COMPOSITES (1300), (1301), (1400), (1402), (1410), (1500), (1510), P. 11

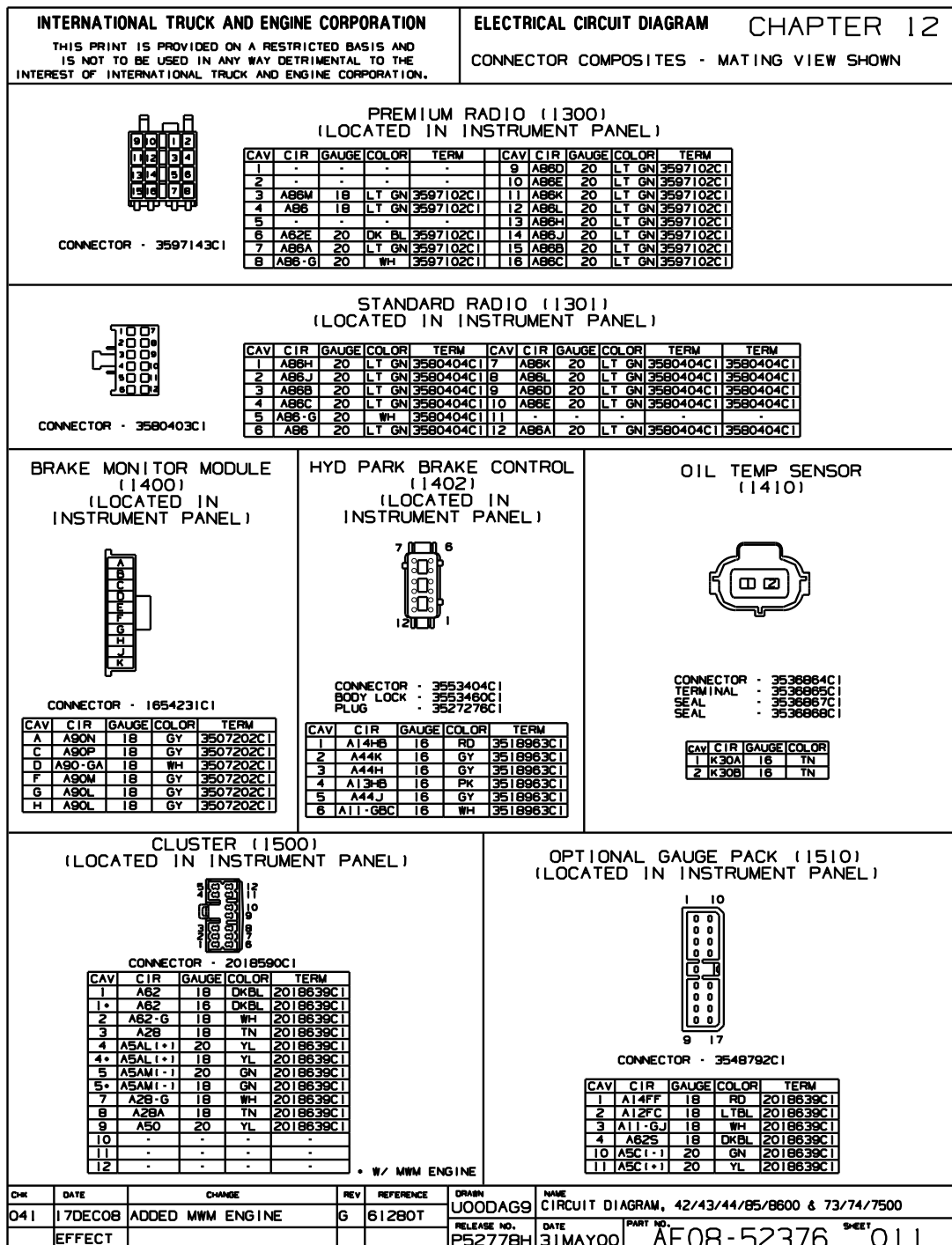


Figure 153 Connector Composites (1300), (1301), (1400), (1402), (1410), (1500), (1510)

13.12. CONNECTOR COMPOSITES (1553), (1554F), (1555), (1600), (1601), (1650), P. 12

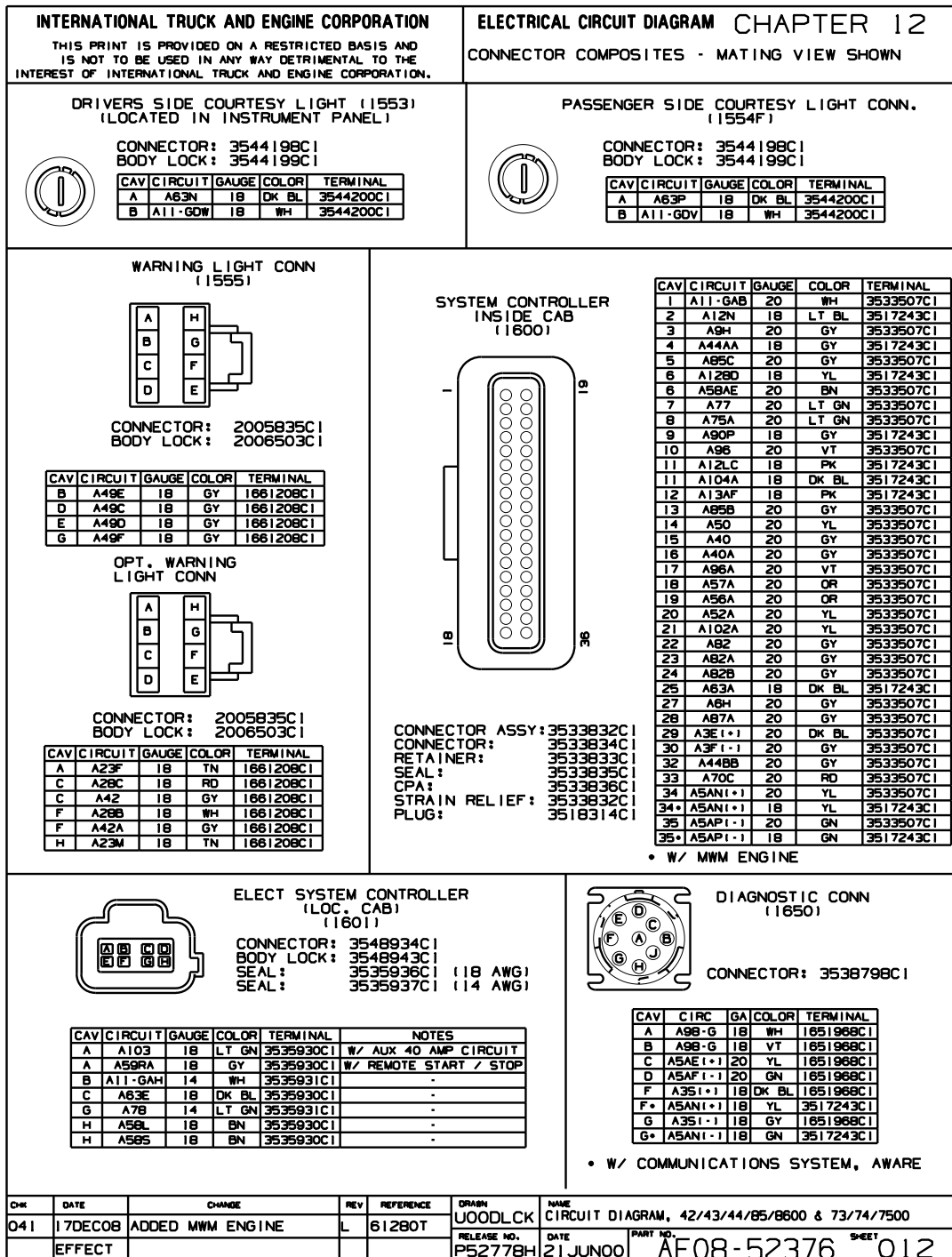


Figure 154 Connector Composites (1553), (1554F), (1555), (1600), (1601), (1650)

13.13. CONNECTOR COMPOSITES (1652), (1657M), (1658), (1659), (1800), P. 13

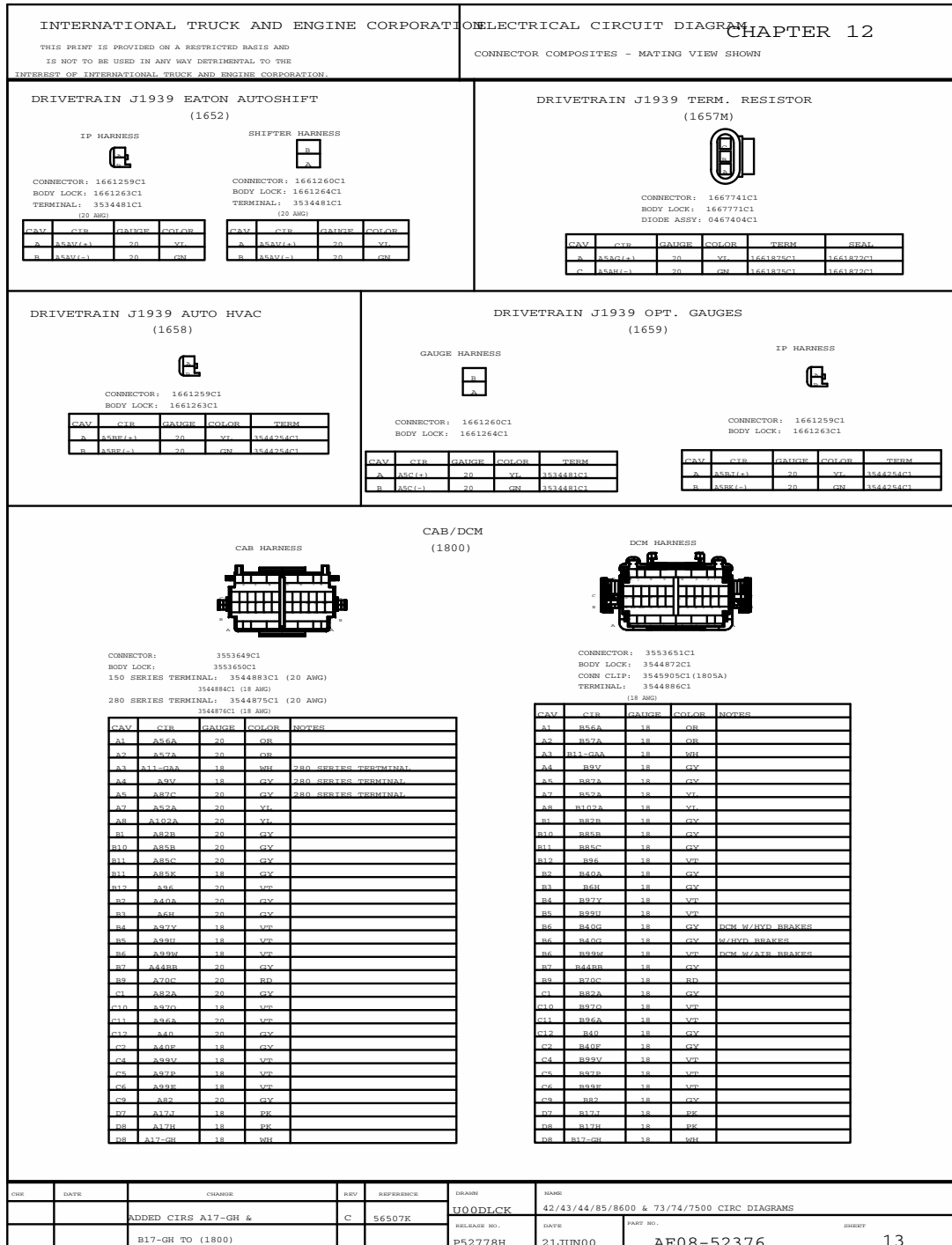


Figure 155 Connector Composites (1652), (1657M), (1658), (1659), (1800)

13.14. CONNECTOR COMPOSITES (1804), (1807), (1808), (1809), (1810), (1811), (1812), (1813), (1814), (1815), P. 14

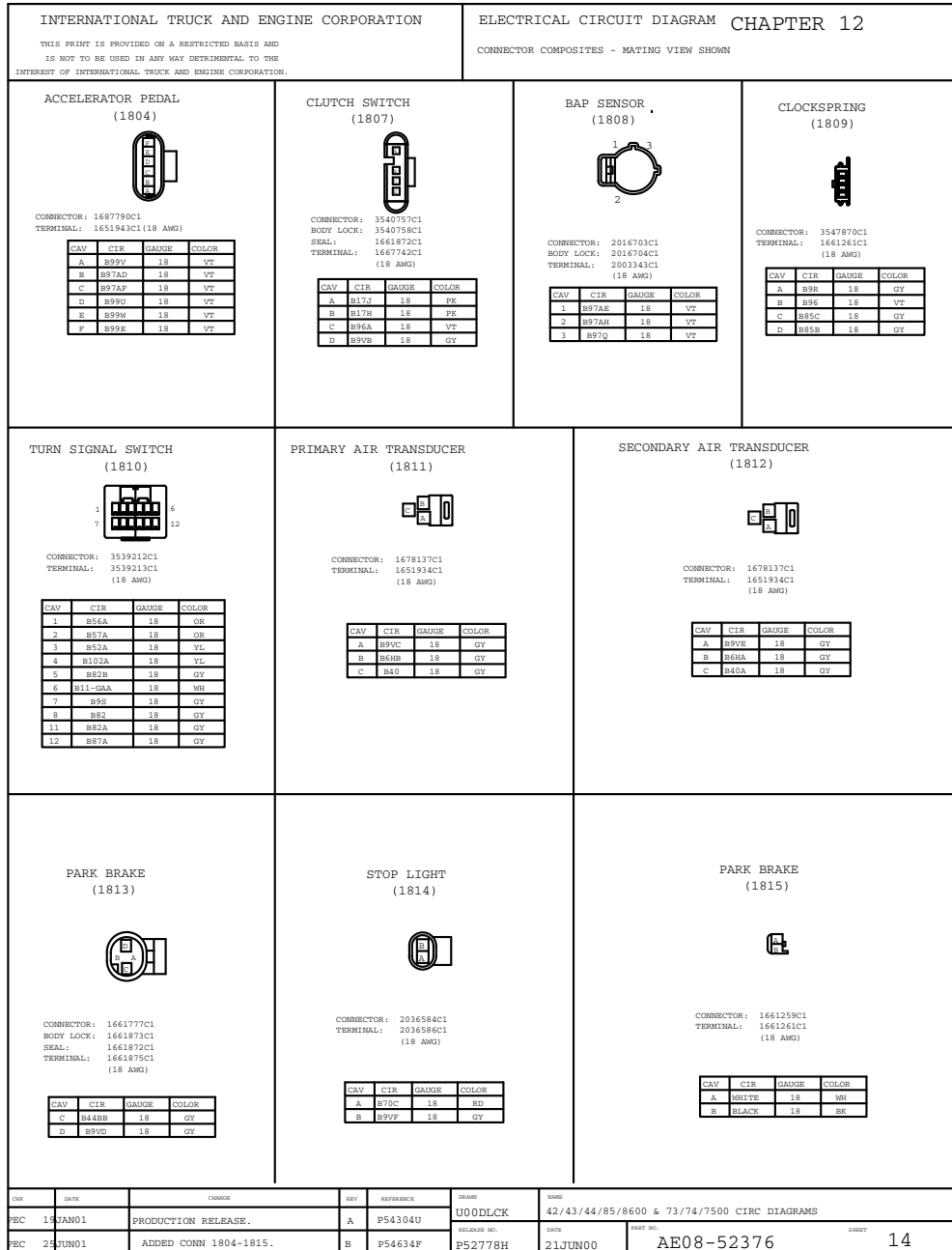


Figure 156 Connector Composites (1804), (1807), (1808), (1809), (1810), (1811), (1812), (1813), (1814), (1815)

13.15. CONNECTOR COMPOSITES (1820), (1822), (1823), (1824), (1828), (1860), (1861), (1901M), (1915), P. 15

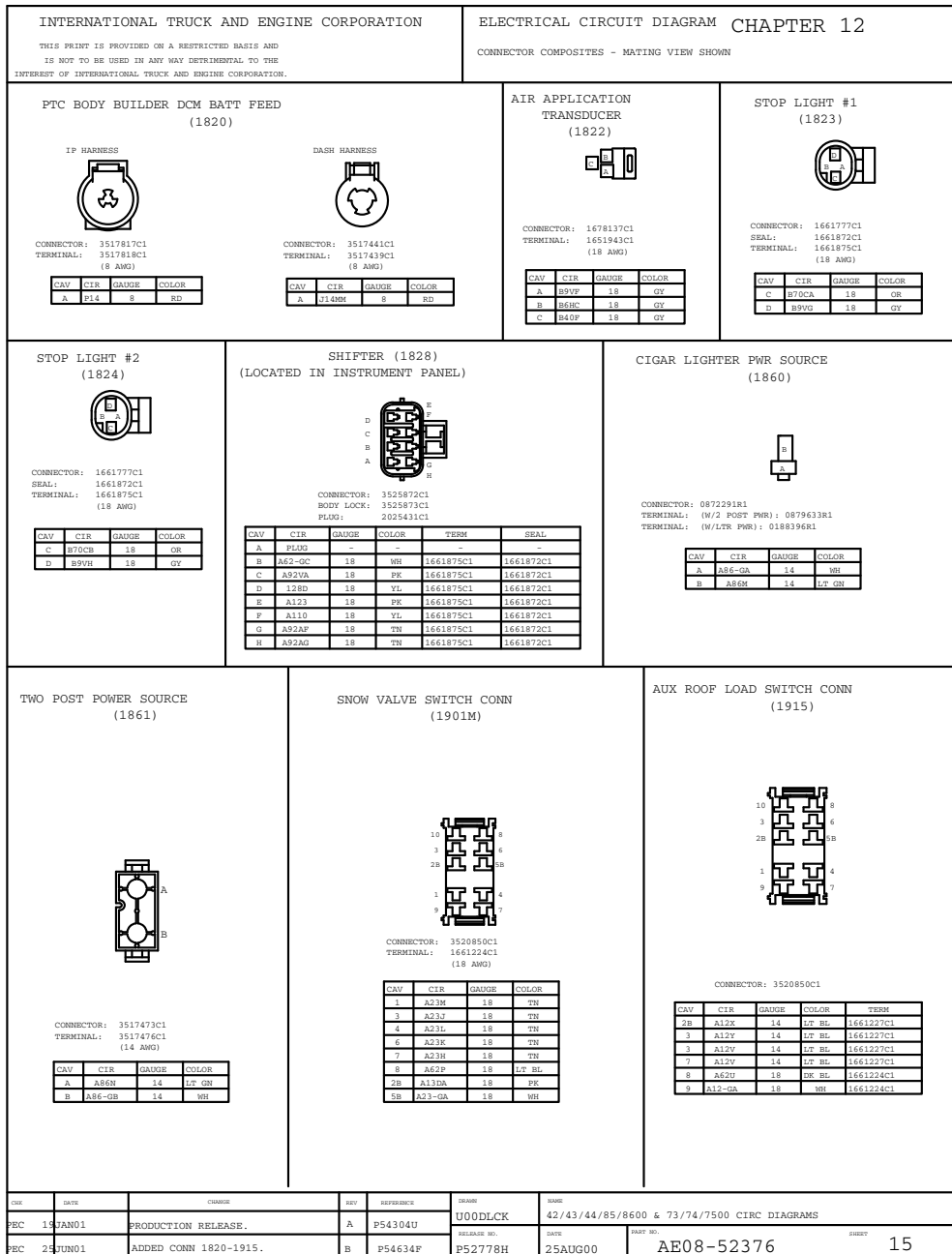


Figure 157 Connector Composites (1820), (1822), (1823), (1824), (1828), (1860), (1861), (1901M), (1915)

13.16. CONNECTOR COMPOSITES (1918), (1935), (1920), (2000), (2002M), (2003M), (2004M), (2005M), P. 16

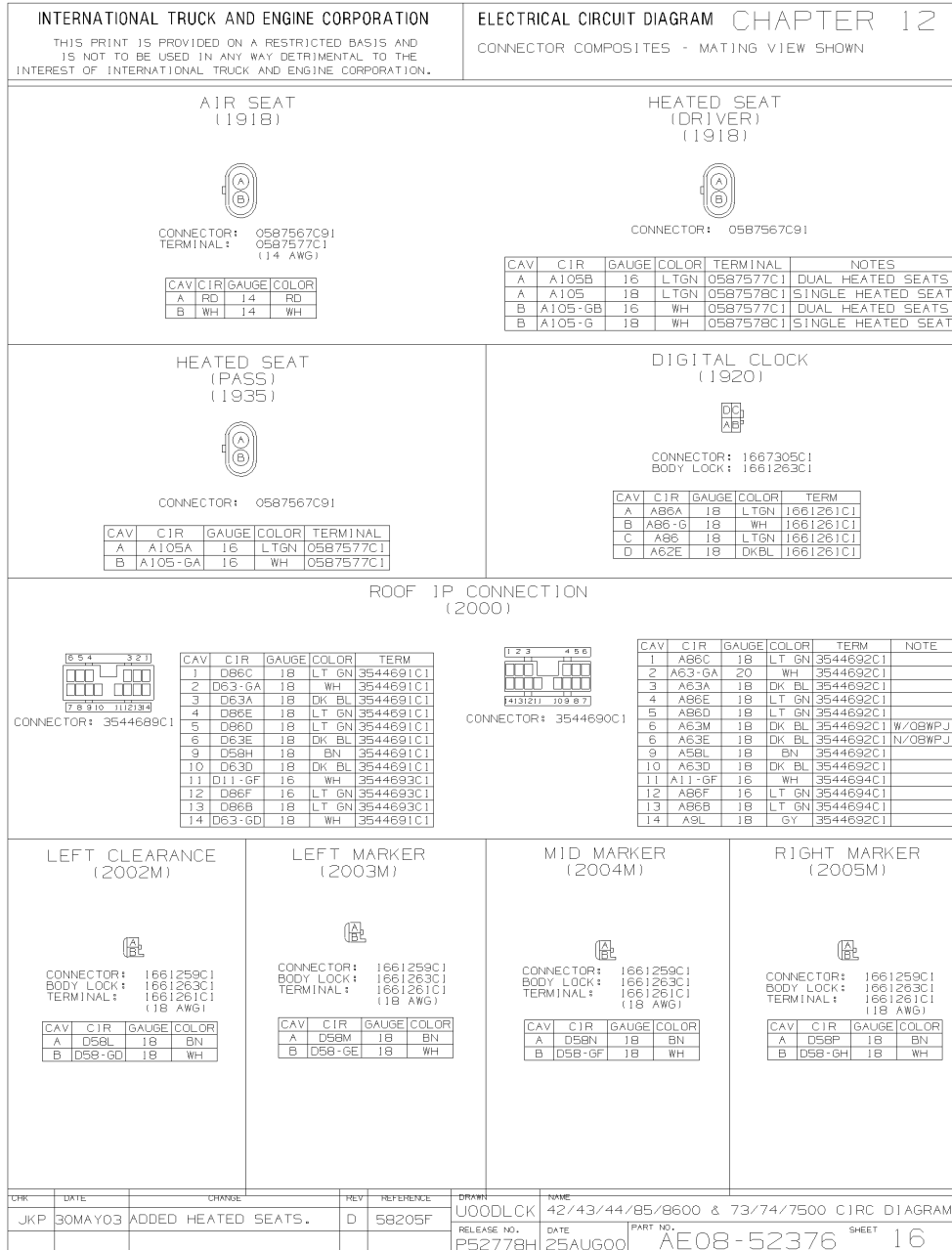
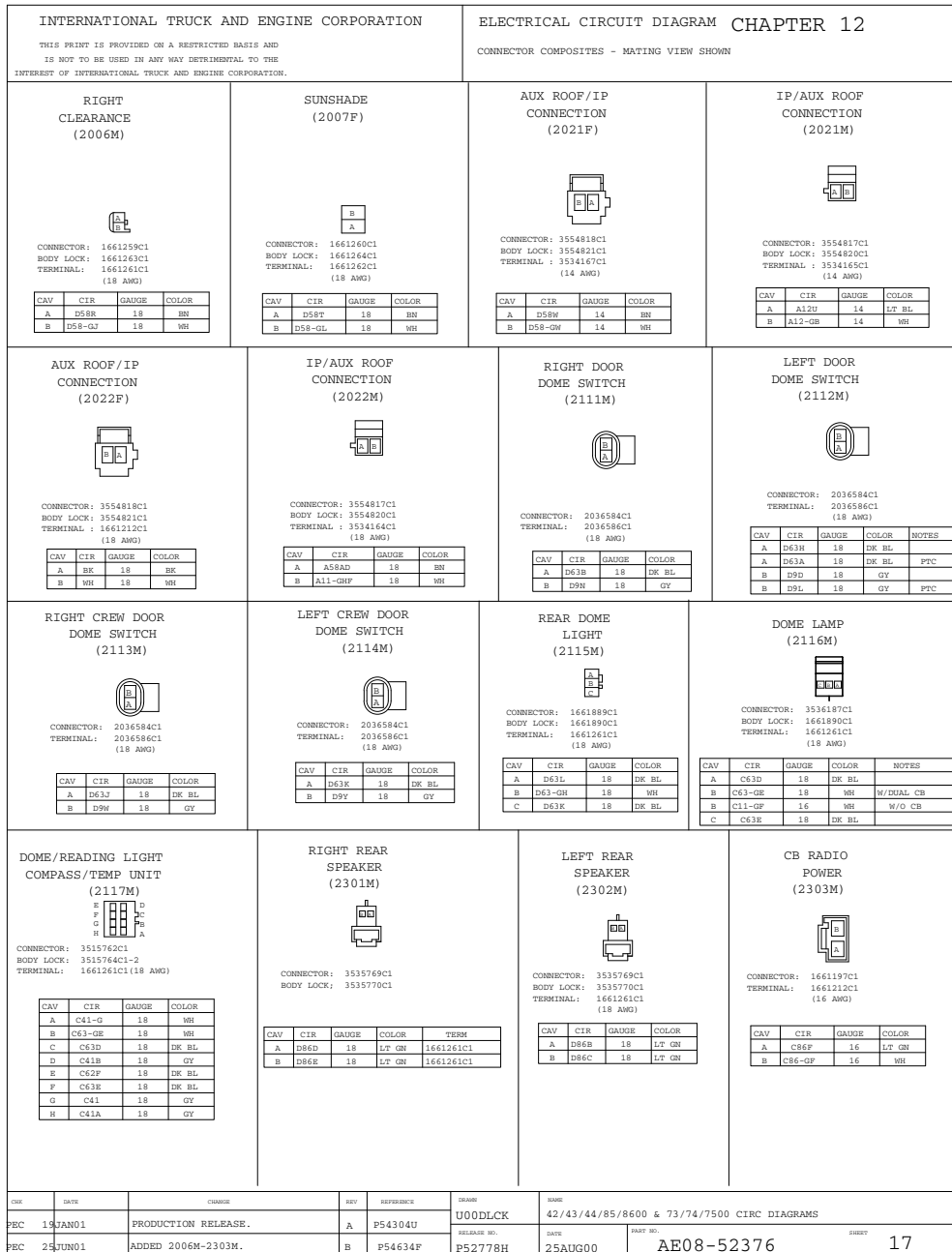


Figure 158 Connector Composites (1918), (1935), (1920), (2000), (2002M), (2003M), (2004M), (2005M)

**13.17. CONNECTOR COMPOSITES (2006M), (2007F), (2021F), (2021M), (2022F), (2022M), (2111M), (2112M), (2113M), (2114M), (2115M), (2116M), (2117M), (2301M), (2302M), (2303M), P. 17**



**Figure 159 Connector Composites (2006M), (2007F), (2021F), (2021M), (2022F), (2022M), (2111M), (2112M), (2113M), (2114M), (2115M), (2116M), (2117M), (2301M), (2302M), (2303M)**

13.18. CONNECTOR COMPOSITES (2304M), (2305M), (2306M), (2307F), (2308F), (2502F), (2502M), (2503F, M), (2600F, M), P. 18

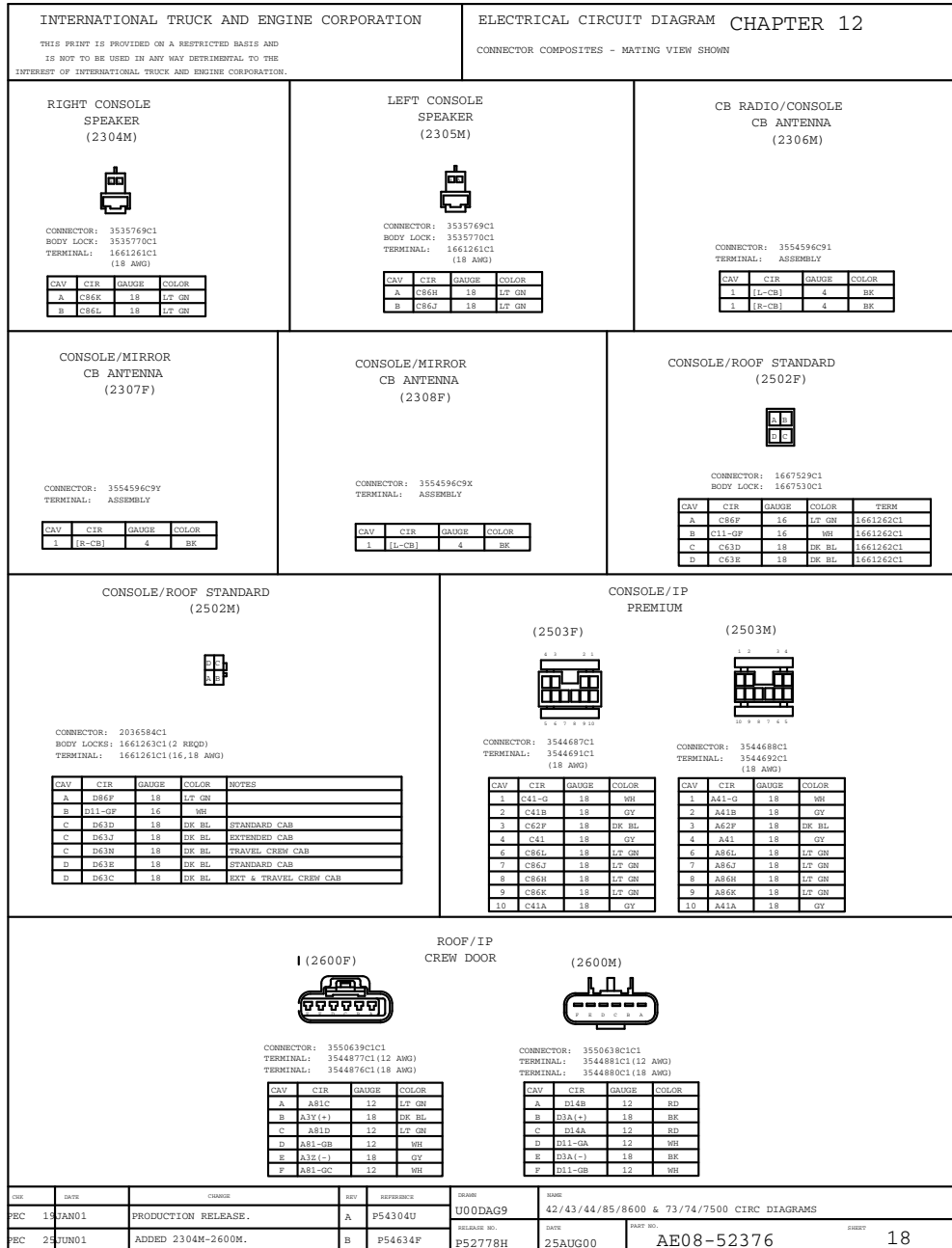


Figure 160 Connector Composites (2304M), (2305M), (2306M), (2307F), (2308F), (2502F), (2502M), (2503F, M), (2600F, M)



13.19. CONNECTOR COMPOSITES (2601M, F), (2602M, F), (3000M), (3000F), (3002M), (3003), (3100M), (3200F, M), (3201M), (3202), (3203M), P. 19

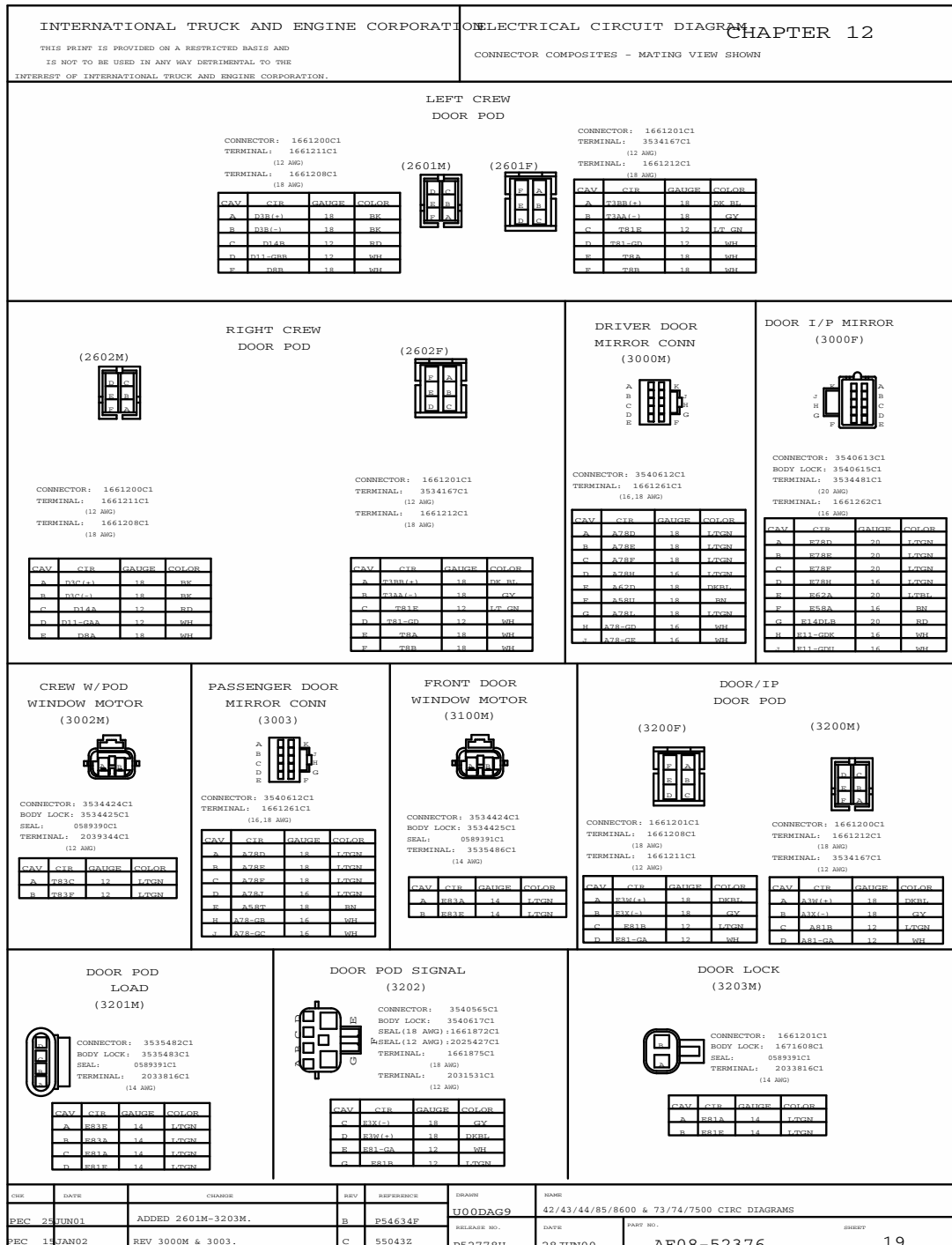


Figure 161 Connector Composites (2601M, F), (2602M, F), (3000M), (3000F), (3002M), (3003), (3100M), (3200F, M), (3201M), (3202), (3203M)

13.20. CONNECTOR COMPOSITES (3204M, F), (3209), (3210M), (3211M), (4000), P. 20

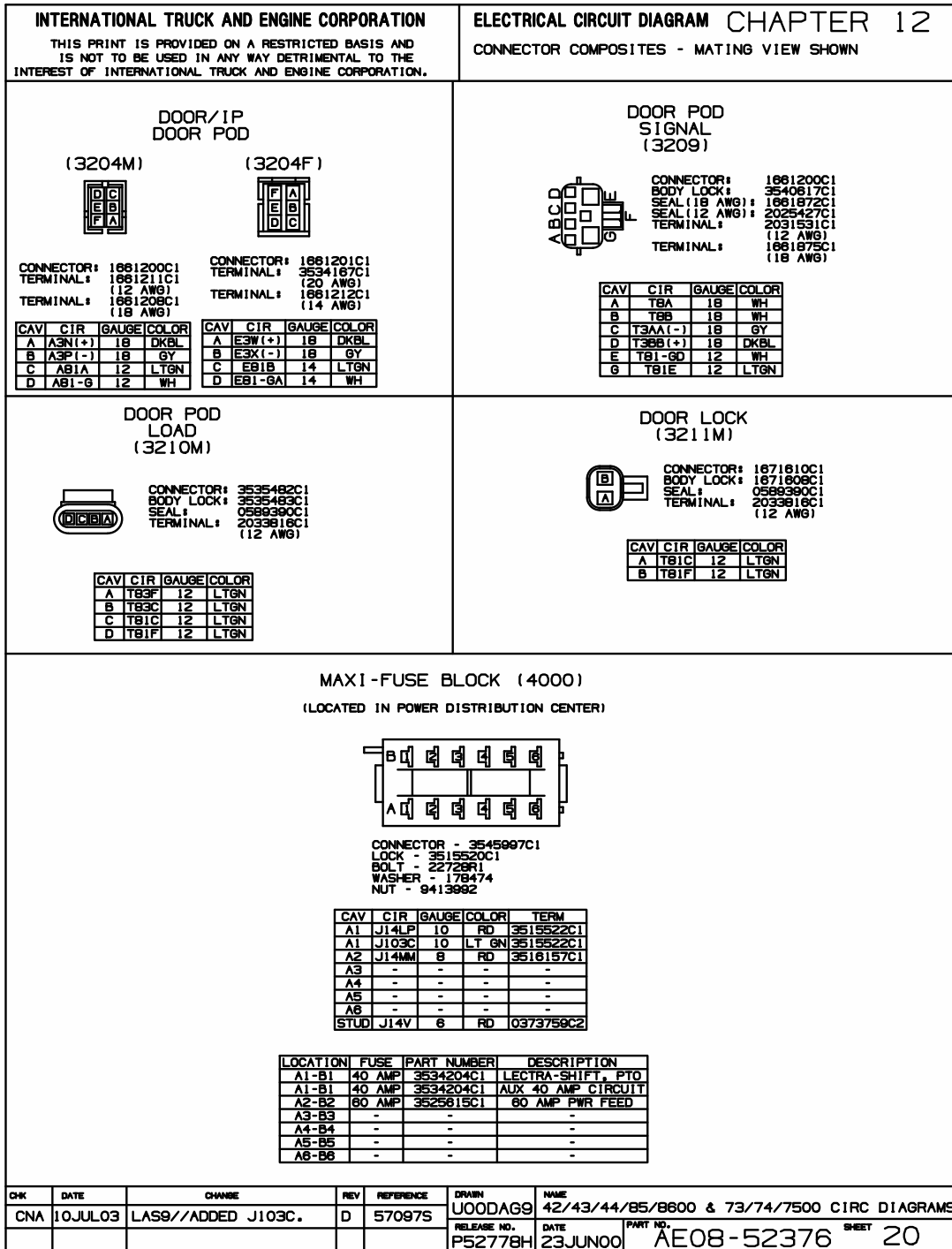


Figure 162 Connector Composites (3204M, F), (3209), (3210M), (3211M), (4000)

13.21. CONNECTOR COMPOSITE (4001), P. 21

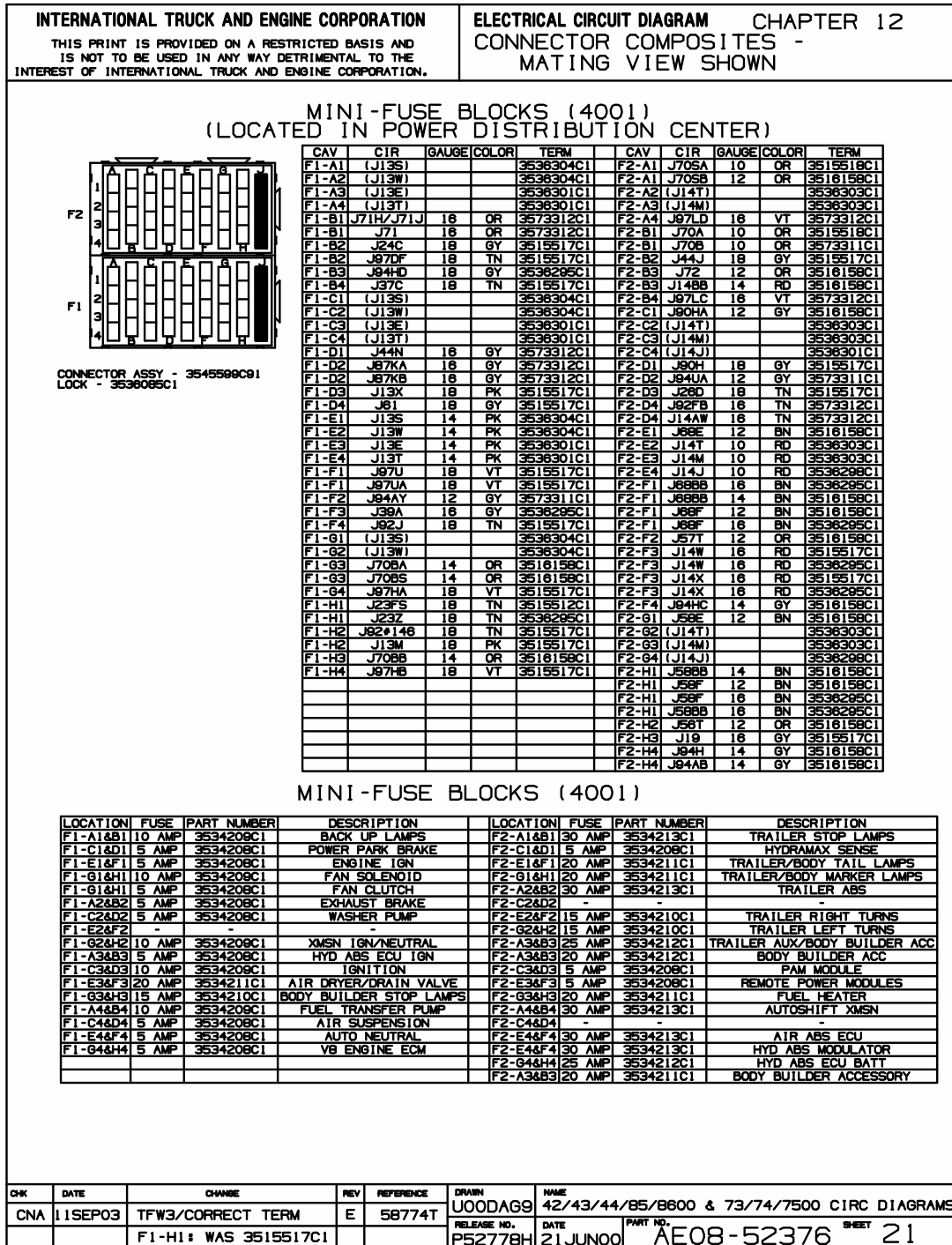


Figure 163 Connector Composite (4001)

13.22. CONNECTOR COMPOSITE (4002), P. 22

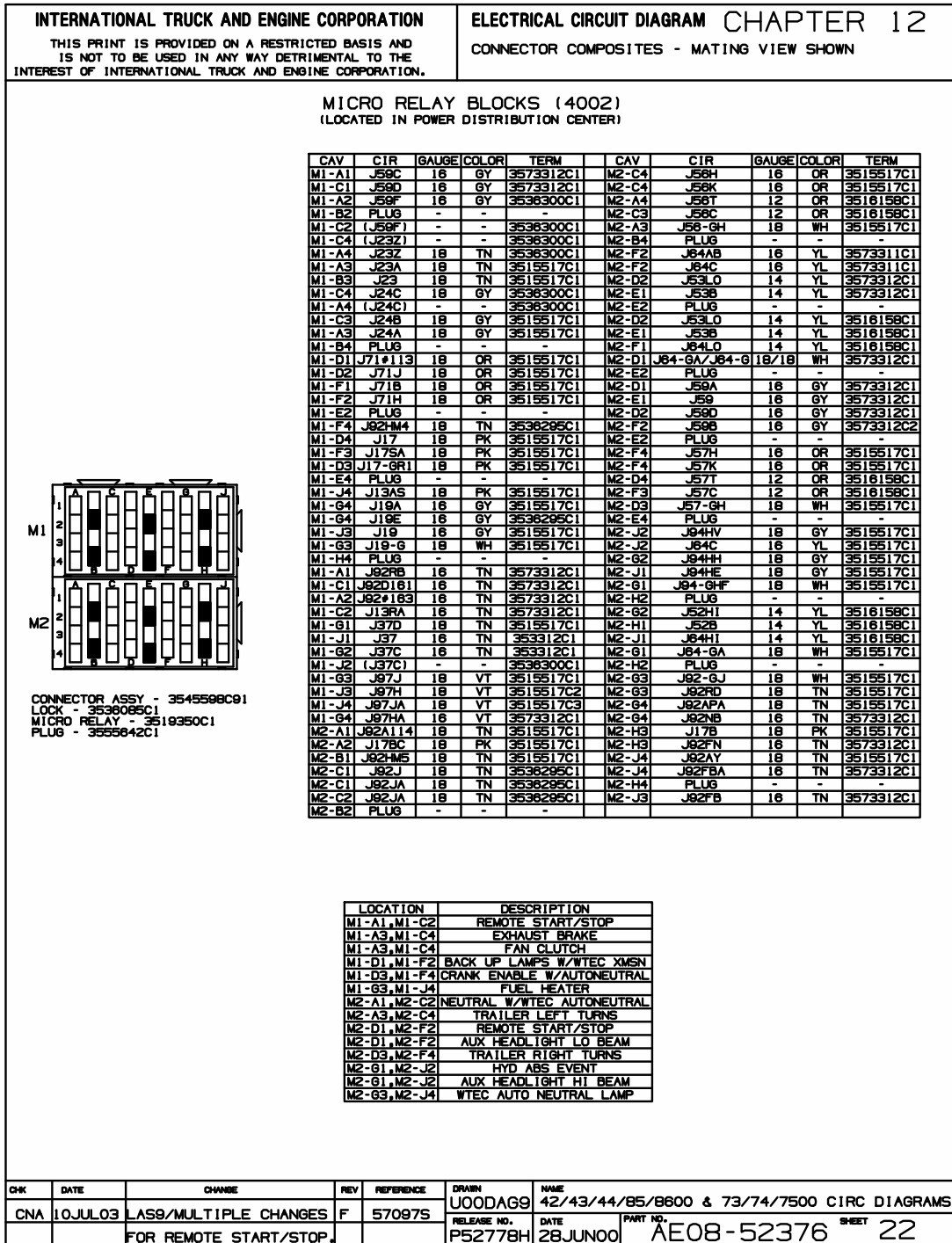
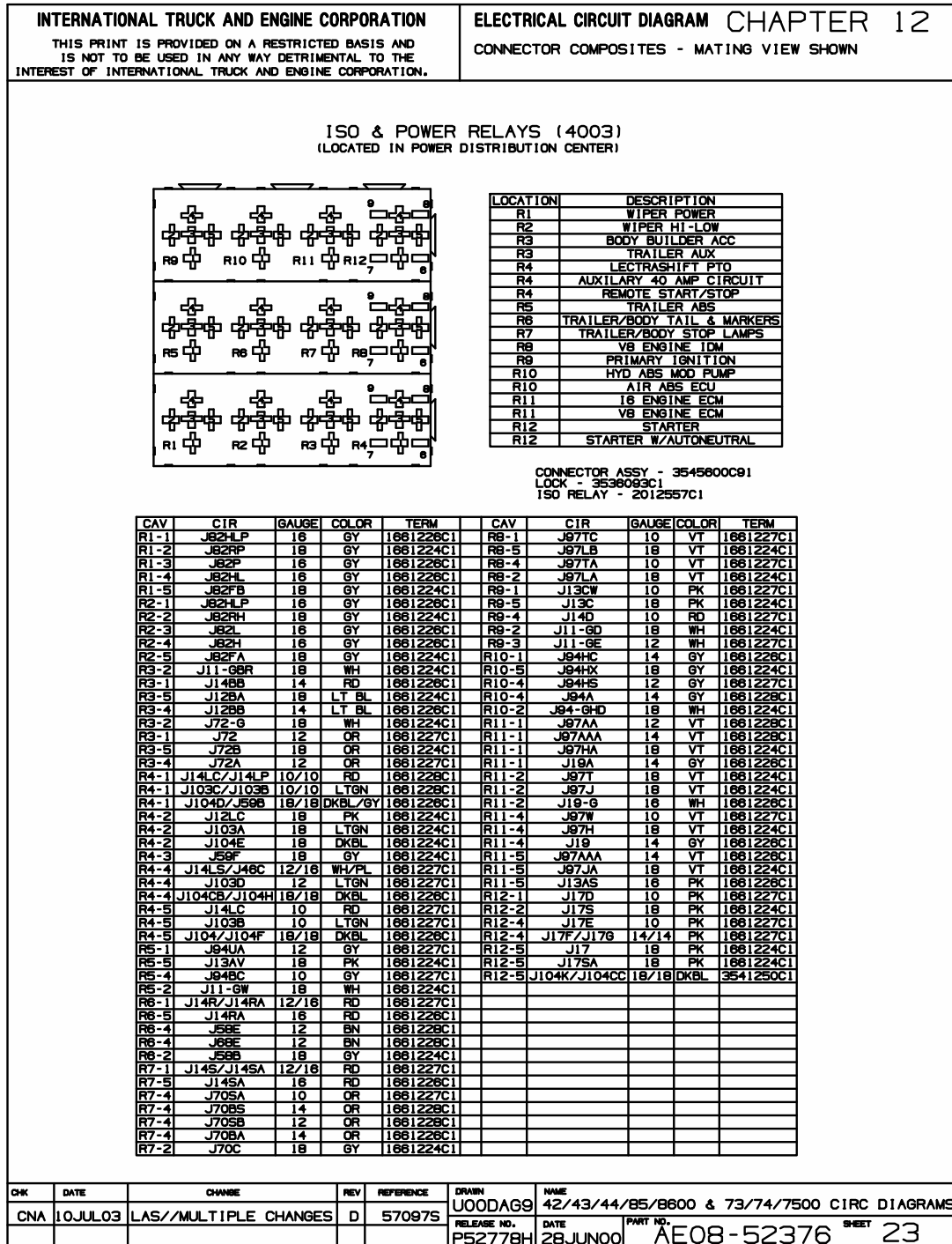


Figure 164 Connector Composite (4002)

13.23. CONNECTOR COMPOSITE (4003), P. 23



CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
CNA	10JUL03	LAS//MULTIPLE CHANGES	D	57097S	U00DAG9	42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS

RELEASE NO.	DATE	PART NO.	SHEET
P52778H	28JUN00	AE08-52376	23

Figure 165 Connector Composite (4003)

13.24. CONNECTOR COMPOSITES (4004), (4007), (4008), P. 24

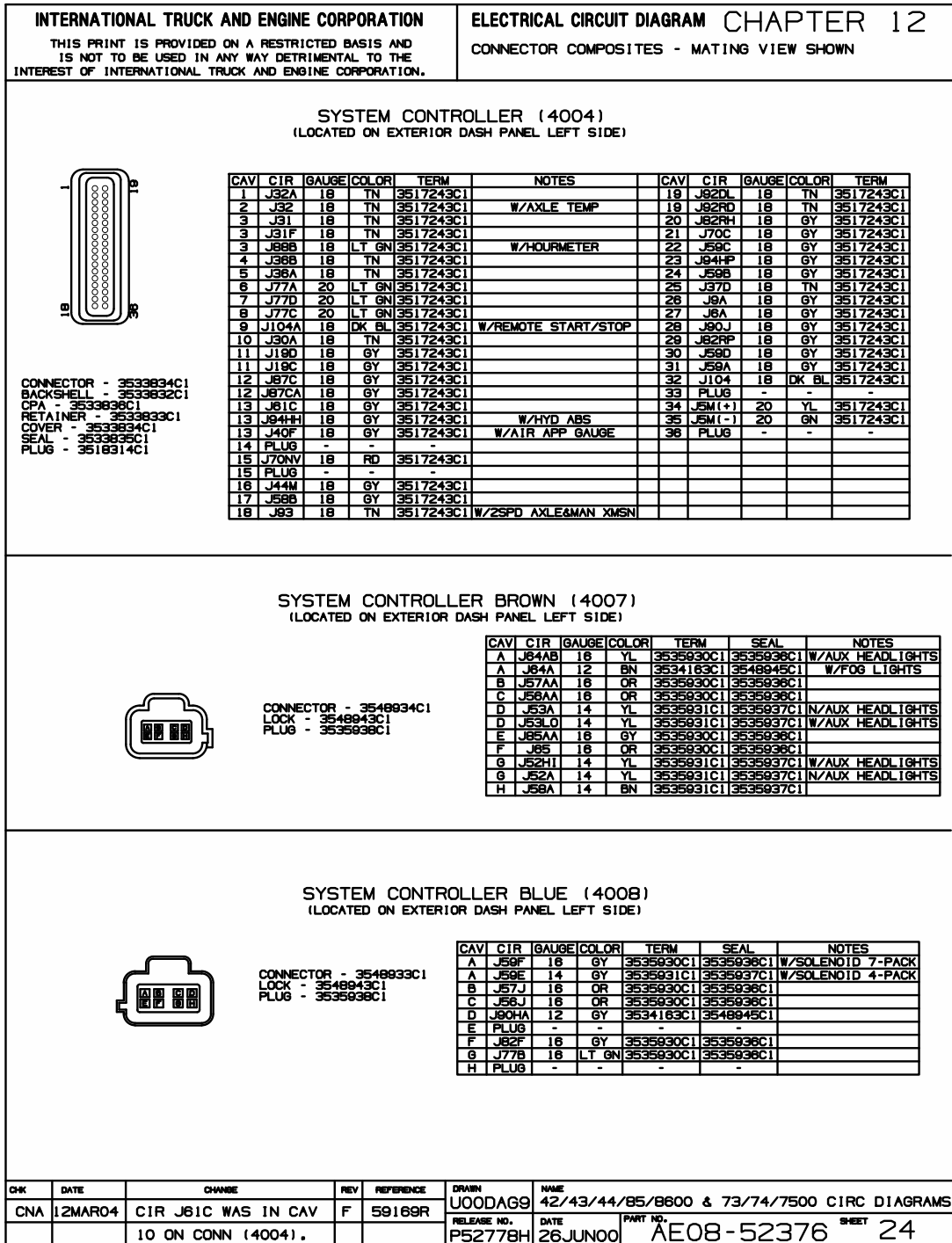


Figure 166 Connector Composites (4004), (4007), (4008)

13.25. CONNECTOR COMPOSITE (4014), P. 25

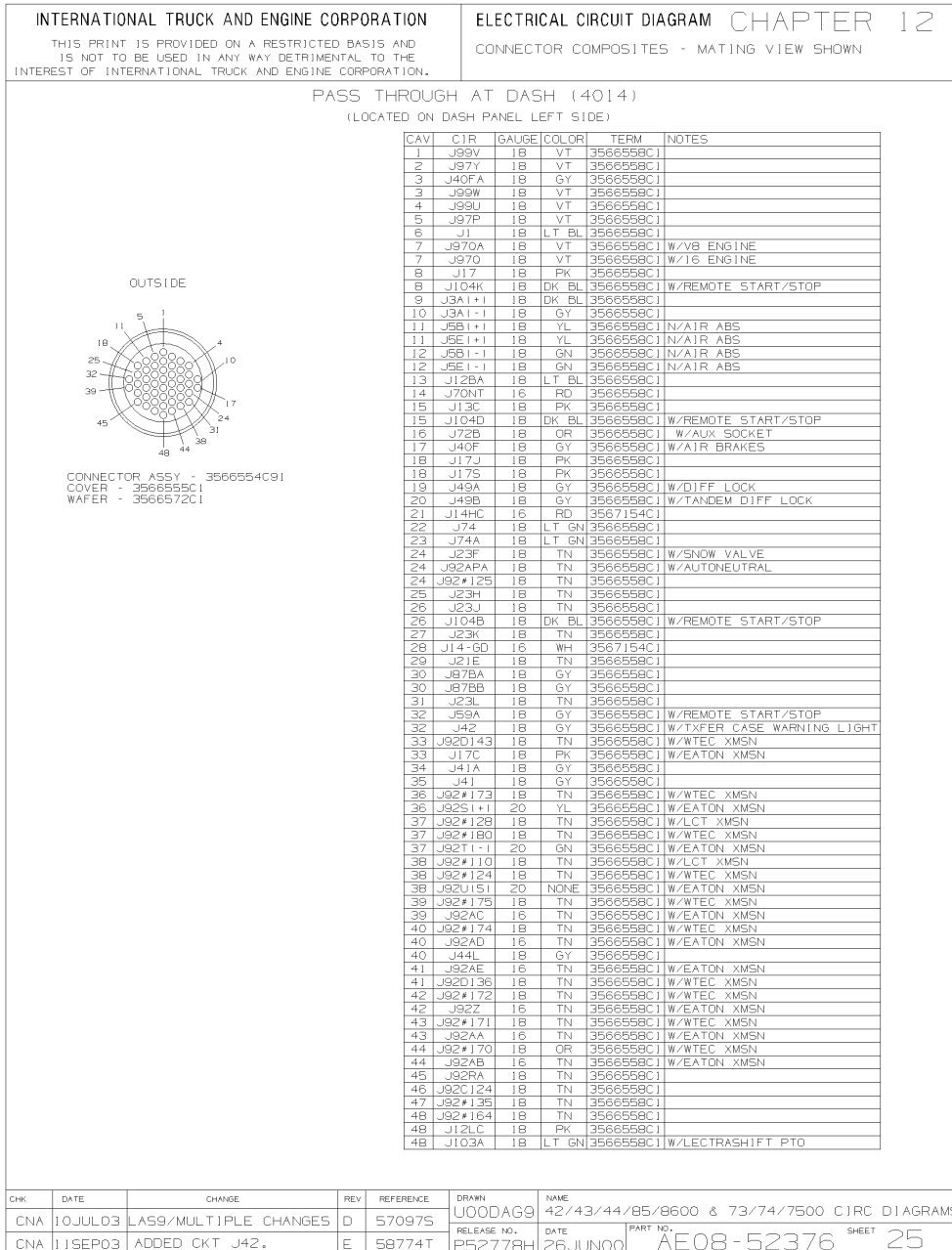


Figure 167 Connector Composite (4014)

13.26. CONNECTOR COMPOSITE (4014/1700), P. 26

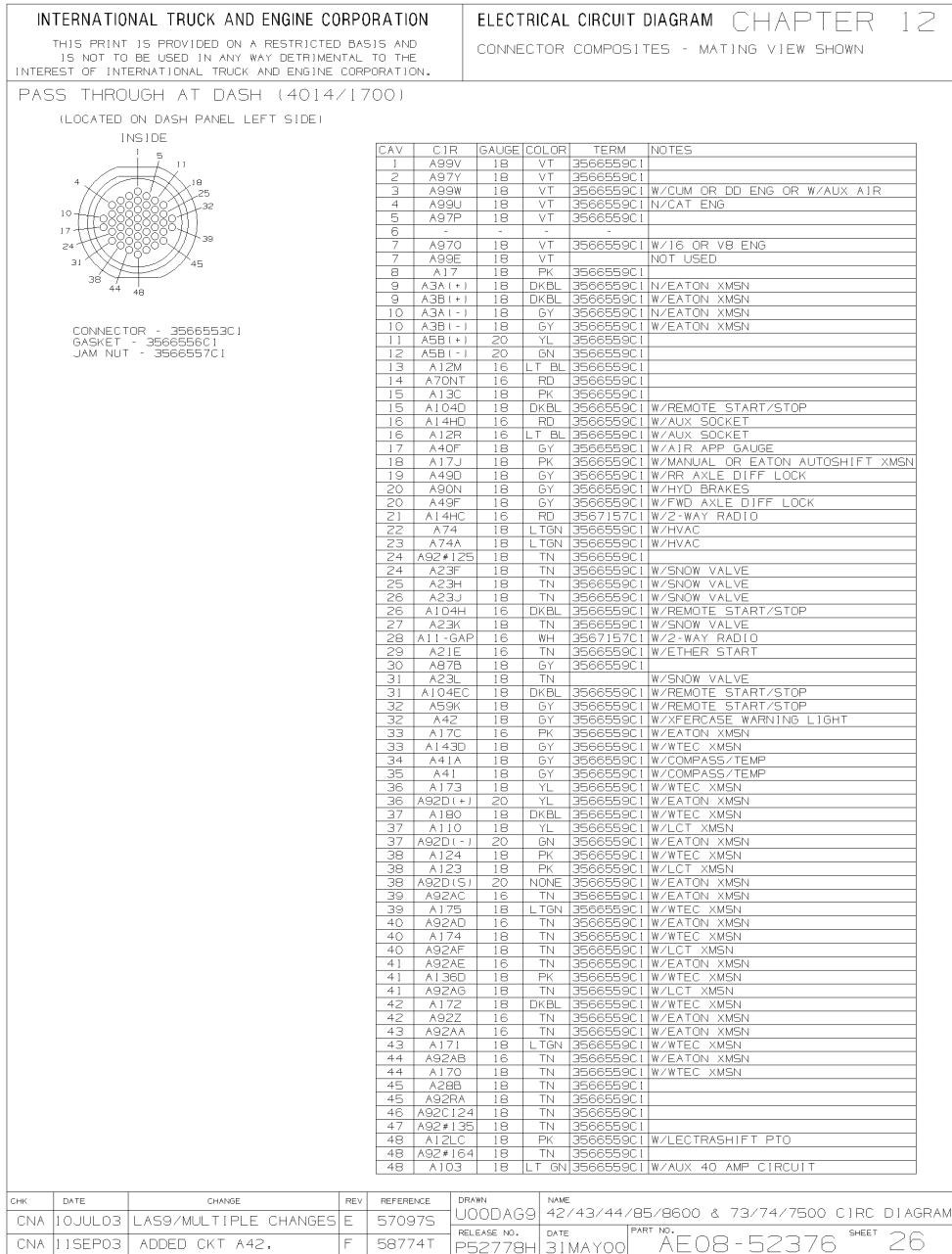


Figure 168 Connector Composite (4014/1700)



13.27. CONNECTOR COMPOSITES (4015), (4017), (4018), (4019), (4020), (4021), (4022), (4023), P. 27

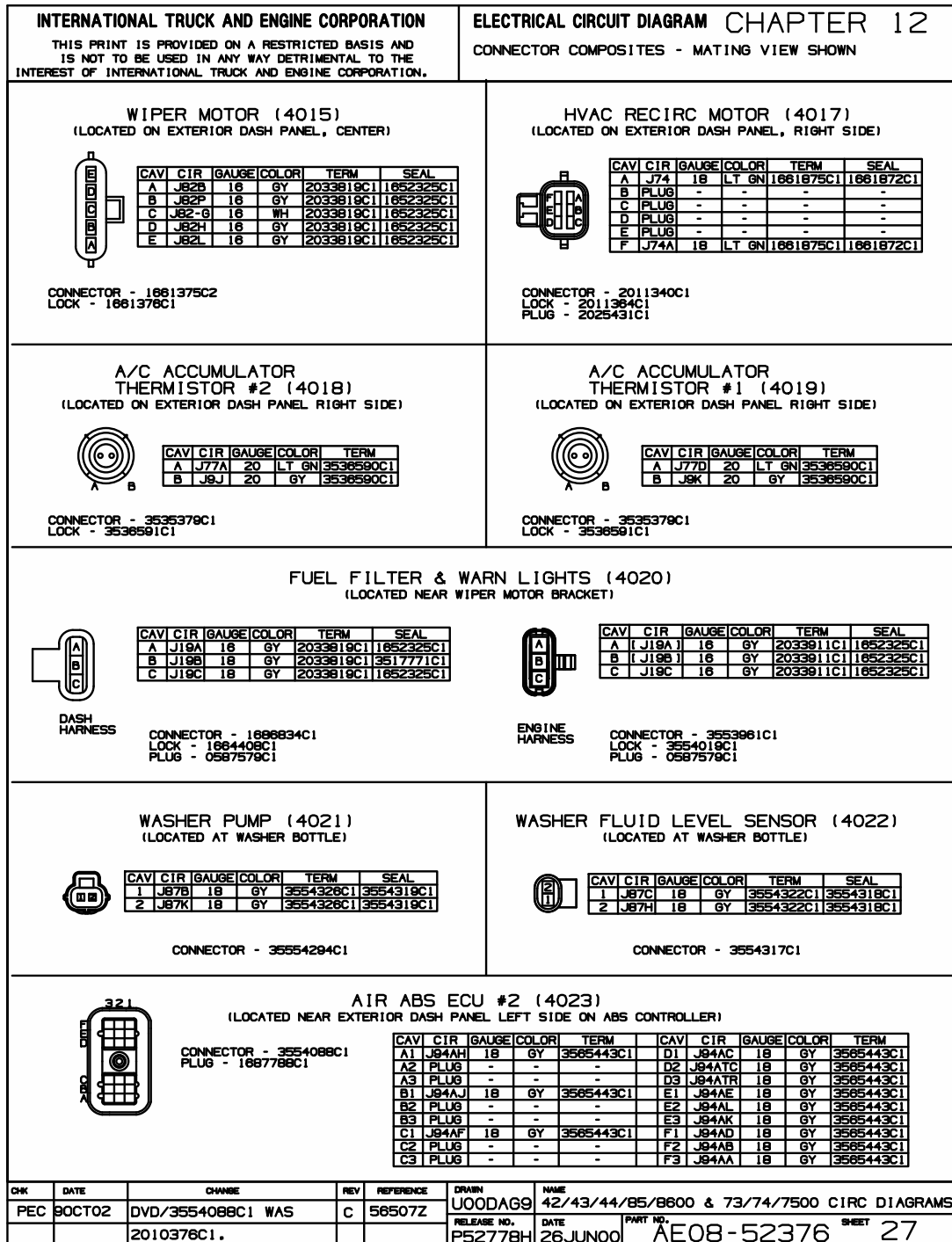


Figure 169 Connector Composites (4015), (4017), (4018), (4019), (4020), (4021), (4022), (4023)

13.28. CONNECTOR COMPOSITES (4024), (4030), (4031), (4032), (4033), (4040), (4041), P. 28

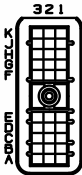



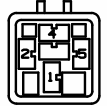


INTERNATIONAL TRUCK AND ENGINE CORPORATION				ELECTRICAL CIRCUIT DIAGRAM CHAPTER 12																																																																																																																																																																			
THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF INTERNATIONAL TRUCK AND ENGINE CORPORATION.				CONNECTOR COMPOSITES - MATING VIEW SHOWN																																																																																																																																																																			
<b>AIR ABS ECU #1 (4024)</b> (LOCATED NEAR EXTERIOR DASH PANEL LEFT SIDE ON ABS CONTROLLER)  CONNECTOR - 3554087C1 LOCK - 1687789C1				<table border="1"> <thead> <tr> <th>CAV</th> <th>CIR</th> <th>GAUGE</th> <th>COLOR</th> <th>TERM</th> <th>CAV</th> <th>CIR</th> <th>GAUGE</th> <th>COLOR</th> <th>TERM</th> </tr> </thead> <tbody> <tr><td>A1</td><td>J84-GAC</td><td>18</td><td>WH</td><td>3565443C1</td><td>F1</td><td>J84AP</td><td>18</td><td>GY</td><td>3565443C1</td></tr> <tr><td>A2</td><td>J84-GAB</td><td>18</td><td>WH</td><td>3565443C1</td><td>F2</td><td>PLUG</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>A3</td><td>J84-GAA</td><td>18</td><td>WH</td><td>3565443C1</td><td>F3</td><td>PLUG</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>B1</td><td>J84AYC</td><td>18</td><td>GY</td><td>3565443C1</td><td>G1</td><td>J84AS</td><td>18</td><td>GY</td><td>3565443C1</td></tr> <tr><td>B2</td><td>PLUG</td><td>-</td><td>-</td><td>-</td><td>G2</td><td>J3D(+)</td><td>18</td><td>DK BL</td><td>3565443C1</td></tr> <tr><td>B3</td><td>PLUG</td><td>-</td><td>-</td><td>-</td><td>G3</td><td>J3D(-)</td><td>18</td><td>GY</td><td>3565443C1</td></tr> <tr><td>C1</td><td>J84AW</td><td>18</td><td>GY</td><td>3565443C1</td><td>H1</td><td>J84AR</td><td>18</td><td>GY</td><td>3565443C1</td></tr> <tr><td>C2</td><td>PLUG</td><td>-</td><td>-</td><td>-</td><td>H2</td><td>J84AT</td><td>18</td><td>GY</td><td>3565443C1</td></tr> <tr><td>C3</td><td>J5D(+)</td><td>20</td><td>YL</td><td>3565443C1</td><td>H3</td><td>J84AU</td><td>18</td><td>GY</td><td>3565443C1</td></tr> <tr><td>D1</td><td>J84AX</td><td>18</td><td>GY</td><td>3565443C1</td><td>J1</td><td>J84AM</td><td>18</td><td>GY</td><td>3565443C1</td></tr> <tr><td>D2</td><td>J5D(S)</td><td>20</td><td>NONE</td><td>3565443C1</td><td>J2</td><td>J84AN</td><td>18</td><td>GY</td><td>3565443C1</td></tr> <tr><td>D3</td><td>J5D(-)</td><td>20</td><td>GN</td><td>3565443C1</td><td>J3</td><td>PLUG</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>E1</td><td>J84AV</td><td>18</td><td>GY</td><td>3565443C1</td><td>K1</td><td>PLUG</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>E2</td><td>PLUG</td><td>-</td><td>-</td><td>-</td><td>K2</td><td>J84AYA</td><td>18</td><td>GY</td><td>3565443C1</td></tr> <tr><td>E3</td><td>PLUG</td><td>-</td><td>-</td><td>-</td><td>K3</td><td>J84AYB</td><td>18</td><td>GY</td><td>3565443C1</td></tr> </tbody> </table>				CAV	CIR	GAUGE	COLOR	TERM	CAV	CIR	GAUGE	COLOR	TERM	A1	J84-GAC	18	WH	3565443C1	F1	J84AP	18	GY	3565443C1	A2	J84-GAB	18	WH	3565443C1	F2	PLUG	-	-	-	A3	J84-GAA	18	WH	3565443C1	F3	PLUG	-	-	-	B1	J84AYC	18	GY	3565443C1	G1	J84AS	18	GY	3565443C1	B2	PLUG	-	-	-	G2	J3D(+)	18	DK BL	3565443C1	B3	PLUG	-	-	-	G3	J3D(-)	18	GY	3565443C1	C1	J84AW	18	GY	3565443C1	H1	J84AR	18	GY	3565443C1	C2	PLUG	-	-	-	H2	J84AT	18	GY	3565443C1	C3	J5D(+)	20	YL	3565443C1	H3	J84AU	18	GY	3565443C1	D1	J84AX	18	GY	3565443C1	J1	J84AM	18	GY	3565443C1	D2	J5D(S)	20	NONE	3565443C1	J2	J84AN	18	GY	3565443C1	D3	J5D(-)	20	GN	3565443C1	J3	PLUG	-	-	-	E1	J84AV	18	GY	3565443C1	K1	PLUG	-	-	-	E2	PLUG	-	-	-	K2	J84AYA	18	GY	3565443C1	E3	PLUG	-	-	-	K3	J84AYB	18	GY	3565443C1
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<b>FUEL FILTER (4030)</b> (LOCATED IN ENGINE COMPARTMENT AT FUEL FILTER)  CONNECTOR - 1687733C1 LOCK - 1687734C1 PLUG - 1675451C1				<b>FLOW SWITCH (4031)</b> (LOCATED NEAR BRAKE FLUID RESERVOIR)  CONNECTOR - 3519587C1																																																																																																																																																																			
<b>DIFFERENTIAL PRESSURE SWITCH (4032)</b> (LOCATED NEAR BRAKE FLUID RESERVOIR)  CONNECTOR ASSY INCLUDING TERMINALS & WIRES - 3518873C91				<b>HYDRAMAX PUMP RELAY (4033)</b> (LOCATED NEAR HYDRAMAX PUMP MOTOR)  CONNECTOR - 1681747C91																																																																																																																																																																			
<b>WIF MODULE (4040)</b> (LOCATED NEAR EXTERIOR DASH PANEL, LEFT SIDE)  CONNECTOR - 2036585C1 PLUG - 1687789C1 WIF MODULE - 1811164C2				<b>FUEL FILTER (4041)</b> (LOCATED ON FUEL FILTER)  CONNECTOR ASSY INCLUDING TERMINAL & WIRE - 1684023C91																																																																																																																																																																			
<table border="1"> <thead> <tr> <th>CAV</th> <th>CIR</th> <th>GAUGE</th> <th>COLOR</th> <th>TERM</th> </tr> </thead> <tbody> <tr><td>A</td><td>J19A</td><td>18</td><td>GY</td><td>1687733C1</td></tr> <tr><td>B</td><td>PLUG</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>C</td><td>J19-6A</td><td>18</td><td>WH</td><td>1687738C1</td></tr> </tbody> </table>				CAV	CIR	GAUGE	COLOR	TERM	A	J19A	18	GY	1687733C1	B	PLUG	-	-	-	C	J19-6A	18	WH	1687738C1	<table border="1"> <thead> <tr> <th>CAV</th> <th>CIR</th> <th>GAUGE</th> <th>COLOR</th> <th>TERM</th> <th>SEAL</th> </tr> </thead> <tbody> <tr><td>A</td><td>J19A</td><td>18</td><td>GY</td><td>1687733C1</td><td>1684232C1</td></tr> <tr><td>B</td><td>PLUG</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>C</td><td>J19-6A</td><td>18</td><td>WH</td><td>1687738C1</td><td>1684232C1</td></tr> </tbody> </table>				CAV	CIR	GAUGE	COLOR	TERM	SEAL	A	J19A	18	GY	1687733C1	1684232C1	B	PLUG	-	-	-	-	C	J19-6A	18	WH	1687738C1	1684232C1																																																																																																																				
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CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME	RELEASE NO.		DATE	PART NO.	SHEET																																																																																																																																																												
PEC	8OCT02	DVD/3554087C1 WAS	D	56507Z	U00DAG9	42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS	P52778H		28JUN00	AE08-52376	28																																																																																																																																																												

Figure 170 Connector Composites (4024), (4030), (4031), (4032), (4033), (4040), (4041)

13.29. CONNECTOR COMPOSITES (4070), (4071), (4087), (4098), (4101), P. 29

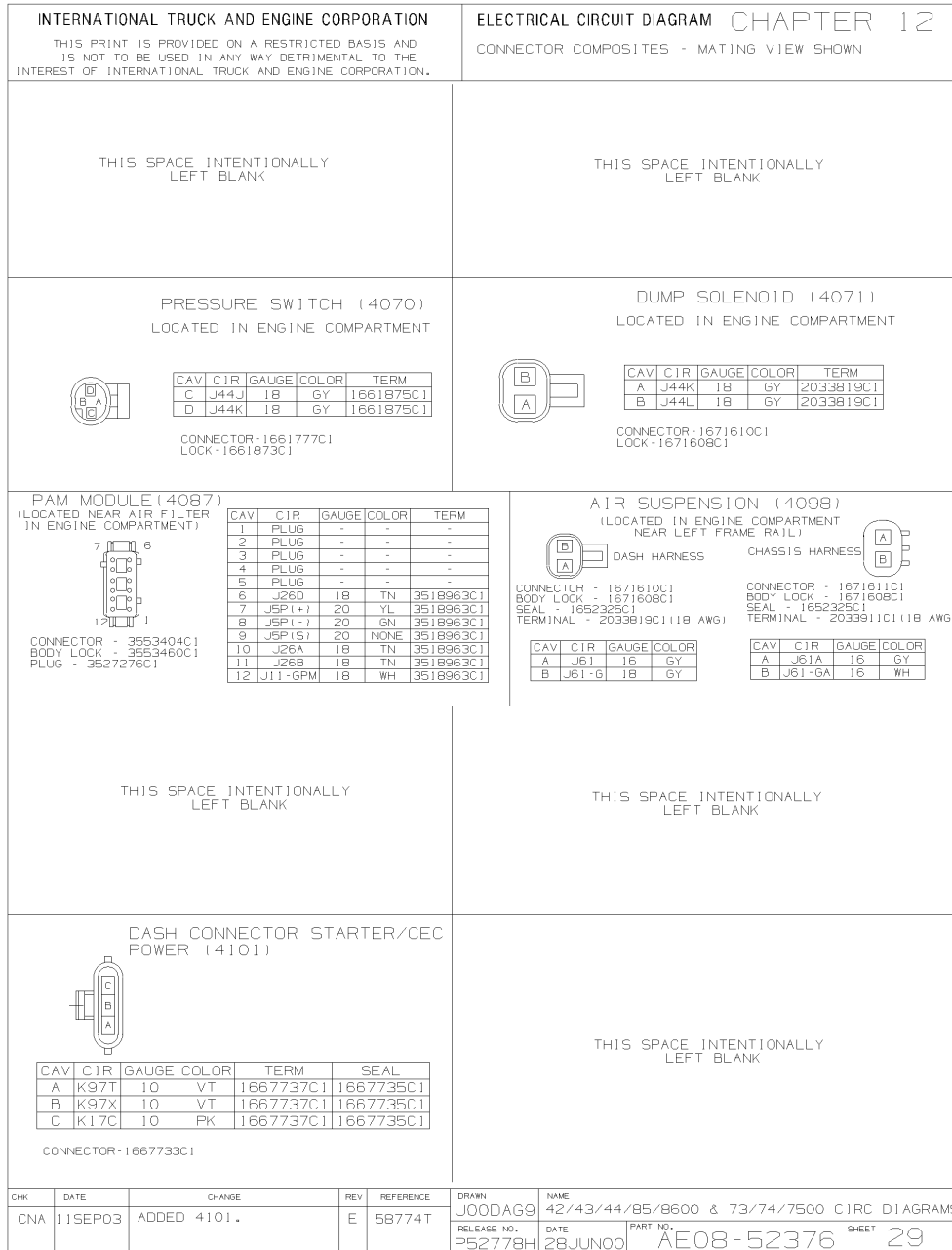


Figure 171 Connector Composites (4070), (4071), (4087), (4098), (4101)

13.30. CONNECTOR COMPOSITE (4103), P. 30

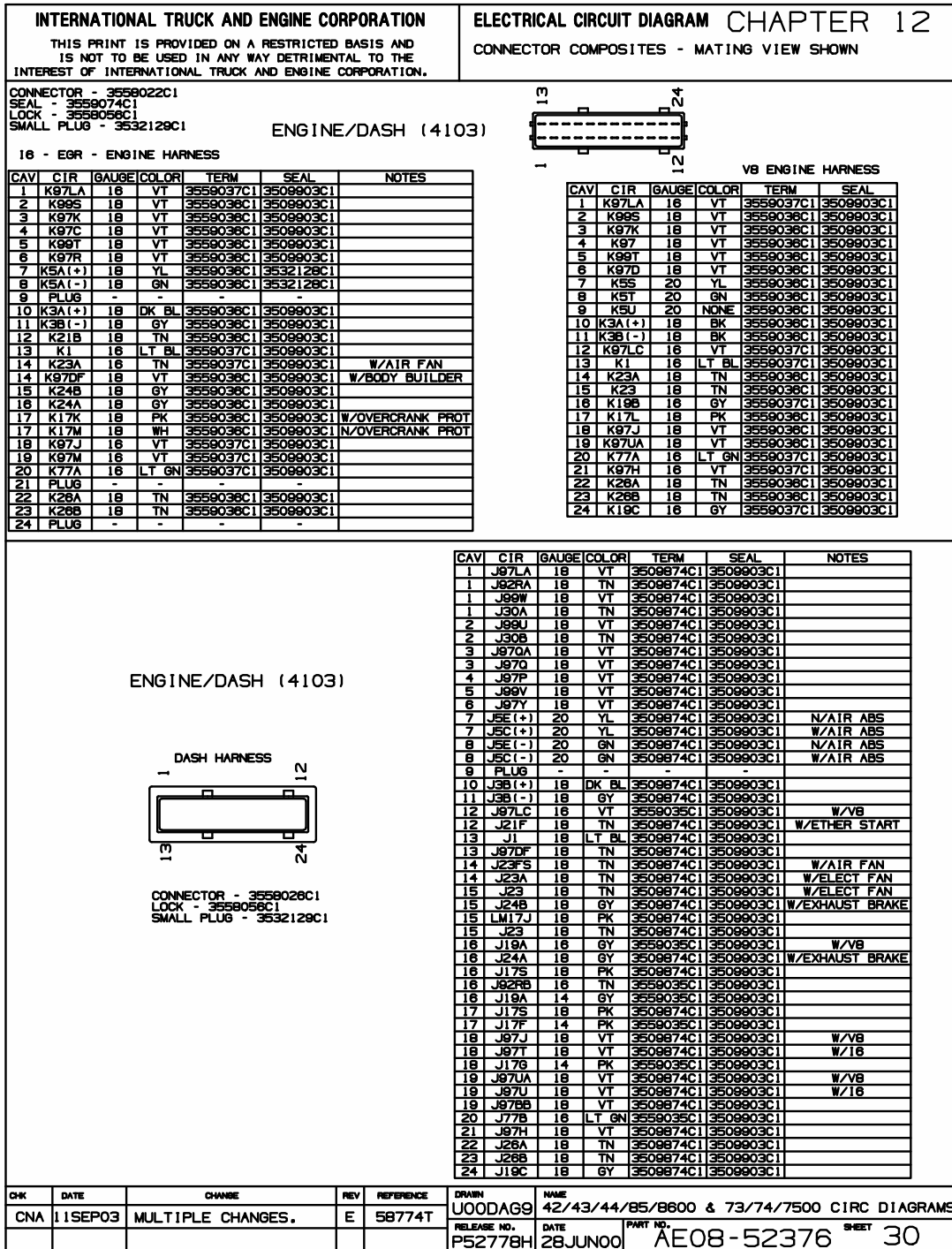


Figure 172 Connector Composite (4103)

13.31. CONNECTOR COMPOSITES (4105), (4111), (4120), (4301), P. 31

INTERNATIONAL TRUCK AND ENGINE CORPORATION

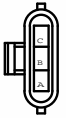
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CONNECTOR COMPOSITES - MATING VIEW SHOWN

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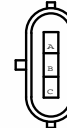
ENGINE HARNESS



CAV	CTR	GAINGE	COLOR	TERM	SEAL	NOTES
A	R97W	10	VF	1667732C1	1667735C1	W/VE
A	R97T	10	VF	1667732C1	1667735C1	W/VE
B	R97A	10	VF	1667732C1	1667735C1	W/VE
B	R97B	10	VF	1667732C1	1667735C1	W/VE
C	R97C	10	VF	1667732C1	1667735C1	W/VE

CONNECTOR - 1667732C1  
LOCK - 1667734C1

ECM POWER/STARTER (4105)  
(LOCATED NEAR WIPER MOTOR BRACKET)



CAV	CTR	GAINGE	COLOR	TERM	SEAL	NOTES
A	R97W	10	VF	1667732C1	1667735C1	W/VE
B	R97A	10	VF	1667732C1	1667735C1	W/VE
B	R97B	10	VF	1667732C1	1667735C1	W/VE
C	R97C	10	VF	1667732C1	1667735C1	W/VE

CONNECTOR - 1667732C1  
LOCK - 1667734C1


DASH HARNESS

CAV	CTR	GAINGE	COLOR	TERM	SEAL	NOTES
A	R97W	10	VF	1667732C1	1667735C1	W/VE
B	R97A	10	VF	1667732C1	1667735C1	W/VE
B	R97B	10	VF	1667732C1	1667735C1	W/VE
C	R97C	10	VF	1667732C1	1667735C1	W/VE

CONNECTOR - 1667732C1  
LOCK - 1667734C1

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FAN AIR SOLENOID (4111)  
(LOCATED NEAR WIPER MOTOR BRACKET)



CAV	CTR	GAINGE	COLOR	TERM	SEAL	NOTES
A	R23B	18	TR	3533818C1	1652325C1	W/BODY BUILDER
A	R23A	18	TR	3533818C1	1652325C1	W/BODY BUILDER
B	R97B	18	VF	3533818C1	1652325C1	

CONNECTOR - 1671610C1  
LOCK - 1671608C1

SNOW VALVE (4120)  
(LOCATED ON AIR INTAKE FILTER)

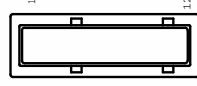


CAV	CTR	GAINGE	COLOR	TERM	SEAL	NOTES
A	R23E	18	TR	1661875C1	1661872C1	
B	R23A	18	TR	1661875C1	1661872C1	
C	R23I	18	TR	1661875C1	1661872C1	
D	R23K	18	TR	1661875C1	1661872C1	
E	R23L	18	TR	1661875C1	1661872C1	

CONNECTOR - 3522251C1  
LOCK - 3522253C1

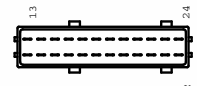
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FORWARD CHASSIS/DASH (4301)  
(LOCATED IN ENGINE COMPARTMENT NEAR LEFT FRAME RAIL)



CONNECTOR - 3558026C1  
LOCK - 3558056C1  
PLUG - 3532129C1

FORWARD CHASSIS HARNESS



CONNECTOR - 3558022C1  
SEAL - 3559047C1  
LOCK - 3558056C1  
PLUG - 3532129C1

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FORWARD CHASSIS HARNESS

CAV	CTR	GAINGE	COLOR	TERM	SEAL	NOTES
1	M9	18	GV	3558036C1	3558030C1	W/AUX ATR
1	M9A	18	GV	3558036C1	3558030C1	W/ATR ABE
1	M9A1	18	BE	3558037C1	3558022C1	W/WABCO ATR
1	M9A2	18	GV	3558036C1	3558030C1	W/ATR ABE
2	M6	18	GV	3558036C1	3558030C1	W/AUX ATR
2	M9A3A	18	GV	3558037C1	3558022C1	W/WABCO ATR
1	M40	18	GV	3558036C1	3558030C1	W/AUX ATR
1	M9A4	18	GV	3558036C1	3558030C1	W/ATR ABE
1	M9A5	18	BN	3558037C1	3558022C1	W/WABCO ATR
4	M50B	14	VF	3558037C1	3558030C1	
5	M53	14	VF	3558037C1	3558030C1	
6	M9A6	18	GV	3558036C1	3558030C1	W/ATR ABE
6	M9A7	18	BE	3558036C1	3558022C1	W/WABCO ATR
6	M9A8	18	BN	3558036C1	3558022C1	W/WABCO ATR
7	M9A9	18	GV	3558036C1	3558030C1	W/ATR ABE
7	M9A10	18	BN	3558036C1	3558022C1	W/HVD ABE
7	M9A11	18	BE	3558036C1	3558022C1	W/WABCO ATR
8	M9	20	GV	3558036C1	3532128C1	
9	M56B	16	OR	3558037C1	3558030C1	
10	M56E	16	GV	3558037C1	3558030C1	
11	M57B	16	OR	3558037C1	3558030C1	
12	M57B	16	BN	3558037C1	3558030C1	
13	M11C	12	WH	3558037C1	3558030C1	
14	M9A12	18	GV	3558036C1	3558030C1	W/ATR ABE
14	M9A13	18	BE	3558036C1	3558022C1	W/HVD ABE
14	M9A14	18	BN	3558036C1	3558022C1	W/WABCO ATR
15	M9A15	18	GV	3558036C1	3558030C1	W/ATR ABE
15	M9A16	18	BN	3558036C1	3558022C1	W/HVD ABE
15	M9A17	18	BE	3558036C1	3558022C1	W/WABCO ATR
16	M9A18	18	GV	3558036C1	3558030C1	
17	M9A19	18	GV	3558036C1	3558030C1	W/WABCO ATR
17	M9A20	18	BN	3558036C1	3558022C1	W/WABCO ATR
18	M9A21	18	GV	3558036C1	3558030C1	W/WABCO ATR
18	M9A22	18	BN	3558036C1	3558022C1	W/WABCO ATR
19	M9A23	18	GV	3558036C1	3558030C1	W/WABCO ATR
20	M64J	14	VF	3558037C1	3558030C1	W/AUX LIGHTS
21	M21C	12	TR	3558036C1	3558030C1	
22	M64L	14	VF	3558037C1	3558030C1	W/AUX LIGHTS
23	M64	16	VF	3558037C1	3558030C1	W/POG LIGHTS
24	M78H	16	VF	3558037C1	3558030C1	
24	M78D	18	TR	3558036C1	3558030C1	
24	M78	20	VF	3558036C1	3532128C1	
24	M6	20	GV	3558036C1	3532128C1	

FORWARD CHASSIS/DASH (4301)

DASH HARNESS

CAV	CTR	GAINGE	COLOR	TERM	SEAL	NOTES
1	M9A18	18	GV	3558036C1	3558030C1	W/ATR ABE
1	M9A19	18	GV	3558036C1	3558030C1	W/AUX ATR
1	M9A20	18	GV	3558036C1	3558030C1	W/ATR ABE
2	M6A	18	GV	3558036C1	3558030C1	W/AUX ATR
2	M40FA	18	GV	3558037C1	3558030C1	W/ATR ATR
1	M9A21	18	GV	3558036C1	3558030C1	W/ATR ABE
1	M9A22	18	GV	3558036C1	3558030C1	W/AUX ATR
1	M40FA	18	GV	3558037C1	3558030C1	W/ATR ATR
1	M9A23	18	GV	3558036C1	3558030C1	W/ATR ABE
4	M52A	14	VF	3558035C1	3558030C1	W/HVD LIGHTS
4	M52B	14	VF	3558035C1	3558030C1	W/AUX LIGHTS
5	M53A	14	VF	3558035C1	3558030C1	W/HVD LIGHTS
5	M53B	14	VF	3558035C1	3558030C1	W/AUX LIGHTS
6	M9A24	18	GV	3558036C1	3558030C1	W/HVD ABE
6	M9A25	18	GV	3558036C1	3558030C1	W/ATR ABE
7	M9A26	18	GV	3558036C1	3558030C1	W/HVD ABE
7	M9A27	18	GV	3558036C1	3558030C1	W/ATR ABE
8	M9A28	20	GV	3558036C1	3532128C1	
9	M56A	16	OR	3558035C1	3558030C1	
10	M56B	16	GV	3558035C1	3558030C1	
11	M57A	16	OR	3558035C1	3558030C1	
12	M57B	16	BN	3558035C1	3558030C1	
13	M11C	12	WH	3558035C1	3558030C1	
14	M9A29	18	GV	3558036C1	3558030C1	W/ATR ABE
14	M9A30	18	GV	3558036C1	3558030C1	W/HVD ABE
15	M9A31	18	GV	3558036C1	3558030C1	W/ATR ABE
15	M9A32	18	GV	3558036C1	3558030C1	W/HVD ABE
16	M9A33	18	GV	3558036C1	3558030C1	
17	M9A34	18	GV	3558036C1	3558030C1	
18	M9A35	18	GV	3558036C1	3558030C1	
19	M78E	18	TR	3558036C1	3558030C1	
20	M64K	14	VF	3558035C1	3558030C1	W/POG LIGHTS
20	M64L	14	VF	3558035C1	3558030C1	W/AUX LIGHTS
21	M21E	12	TR	3558035C1	3558030C1	
22	M21F	18	BN	3558035C1	3558030C1	
23	M9A36	20	VF	3558036C1	3532128C1	
24	M6	20	VF	3558036C1	3558030C1	

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CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NO.
		ADDED CAV 14 TO 4301	D	56507K	UOODAG9	42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS
		SWITCHED NOTES CAV 5.			RELEASE NO.	DATE
					P52778H	21JUN00

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NO.
		ADDED CAV 14 TO 4301	D	56507K	UOODAG9	42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS
		SWITCHED NOTES CAV 5.			RELEASE NO.	DATE
					P52778H	21JUN00

PART NO. AE08-52376      SHEET 31

Figure 173 Connector Composites (4105), (4111), (4120), (4301)

173

13.32. CONNECTOR COMPOSITES (4305), (4410), (4410B), (4410C), (4410D), (4410E), (4410H), (4410M), (4411), P. 32

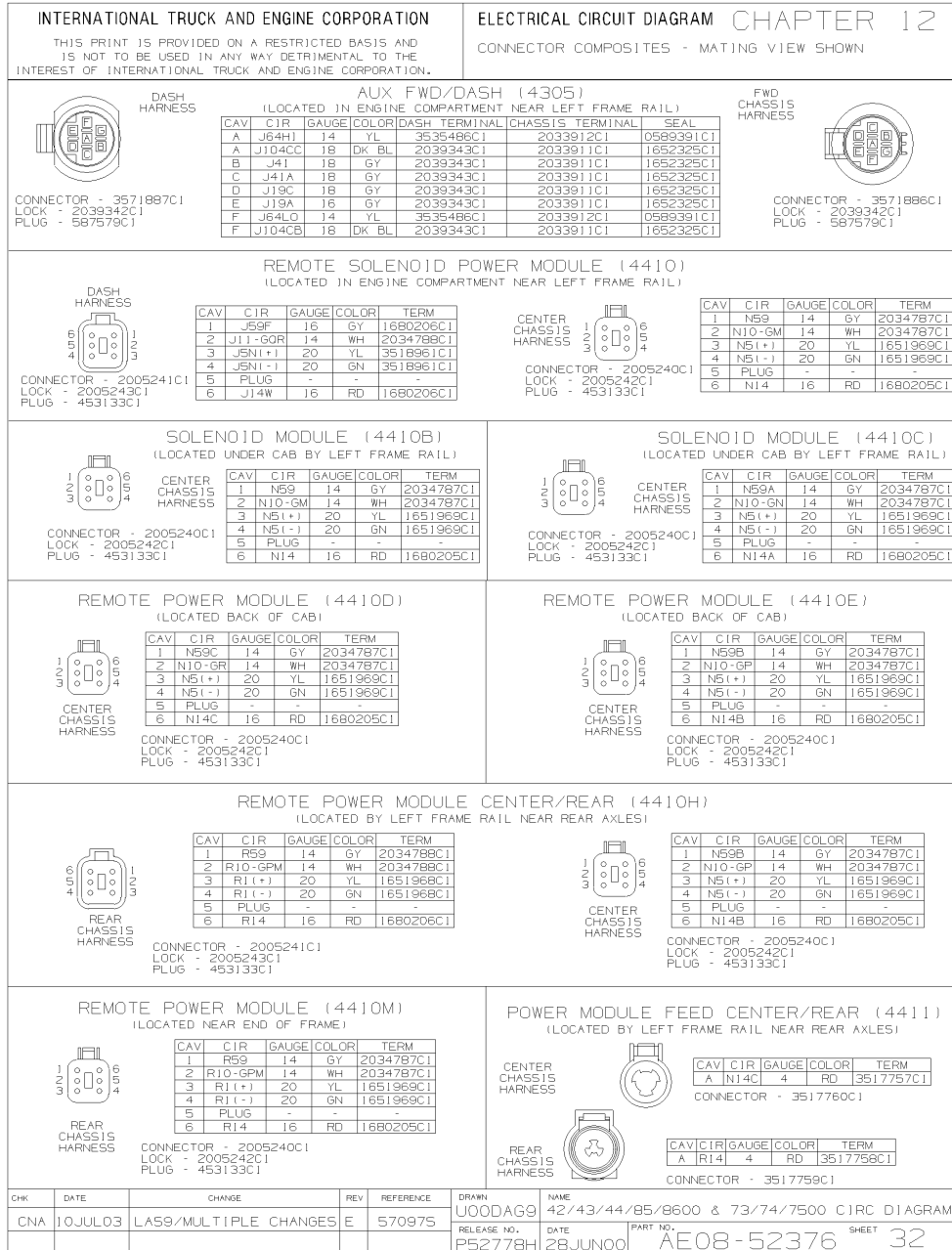


Figure 174 Connector Composites (4305), (4410), (4410B), (4410C), (4410D), (4410E), (4410H), (4410M), (4411)

13.33. CONNECTOR COMPOSITES (4411A), (4411B), (4412), (4415), (4450), (4450A), (4460A), (4460), P. 33

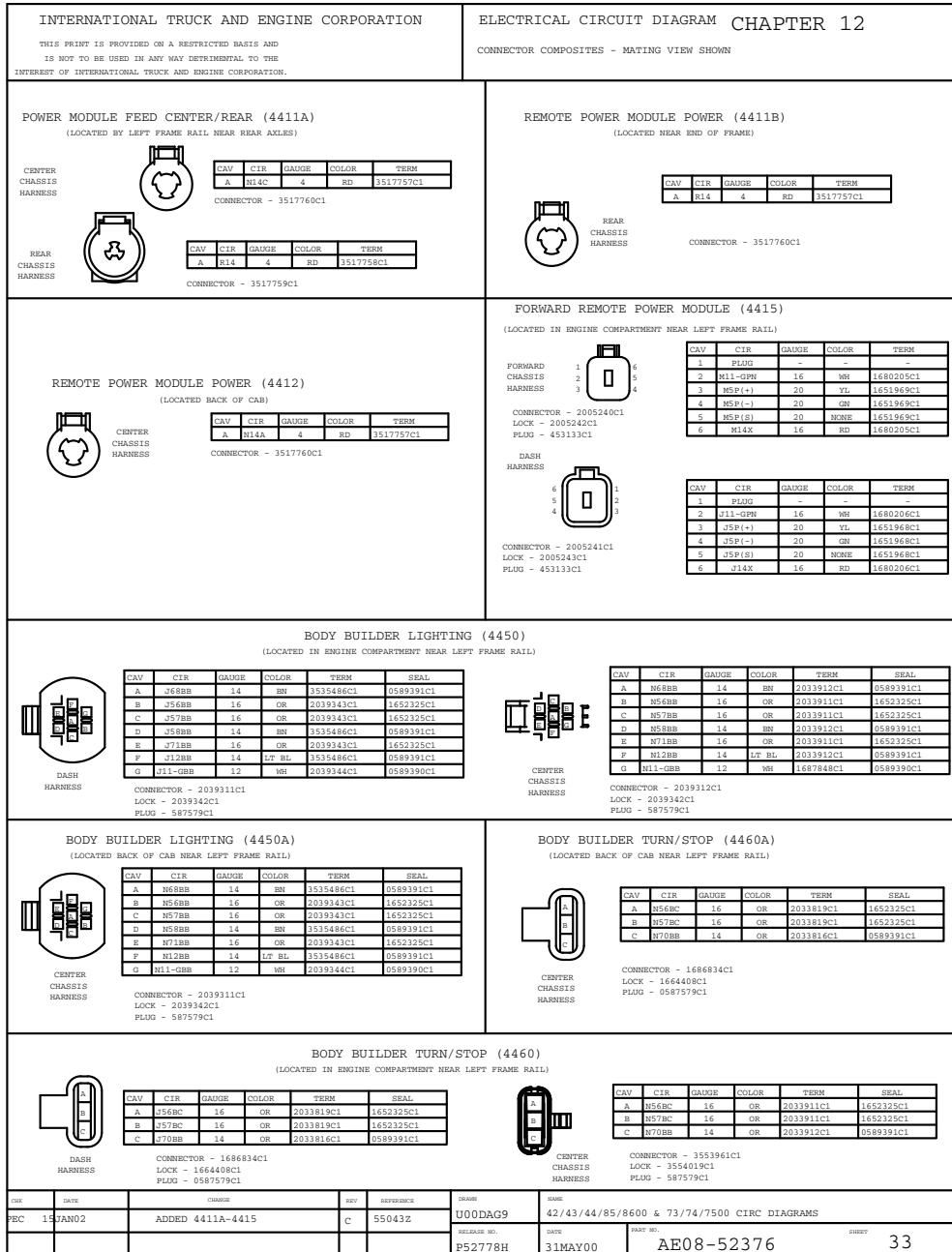


Figure 175 Connector Composites (4411A), (4411B), (4412), (4415), (4450), (4450A), (4460A), (4460)

13.34. CONNECTOR COMPOSITE (4705), P. 34

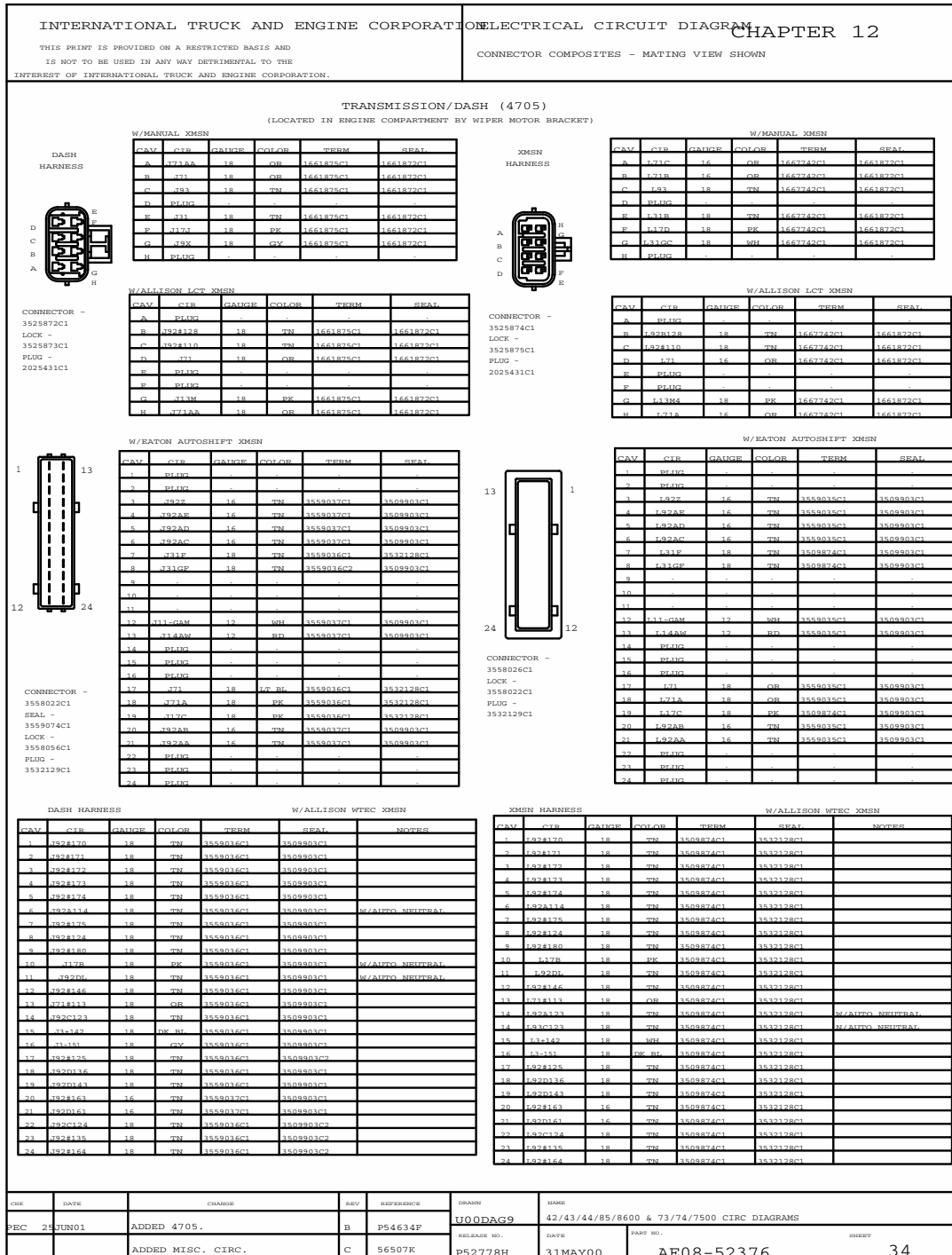


Figure 176 Connector Composite (4705)



13.35. CONNECTOR COMPOSITES (4810), (4712F), (4820), (4713F), (4830), (4840), (4850), P. 35




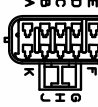


<b>INTERNATIONAL TRUCK AND ENGINE CORPORATION</b> THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF INTERNATIONAL TRUCK AND ENGINE CORPORATION.				<b>ELECTRICAL CIRCUIT DIAGRAM CHAPTER 12</b> CONNECTOR COMPOSITES - MATING VIEW SHOWN																																																																																																																																	
<b>BACKUP LIGHT TURN SIGNAL SPLICE (4810)</b> (LOCATED NEAR POWER DISTRIBUTION CENTER)  CONNECTOR - 3543733C1 LOCK - 3543732C1 PLUG - 3535425C1 BUS BAR - 3543736C1				<b>TRANS/DASH (4712F)</b> CONNECTOR - 3525874C1 LOCK - 3525875C1 PLUG - 2025431C1  <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>CAV</th> <th>CIR</th> <th>GAUGE</th> <th>COLOR</th> <th>TERM</th> <th>SEAL</th> </tr> </thead> <tbody> <tr><td>A</td><td>K71C</td><td>18</td><td>OR</td><td>1867742C1</td><td>1861872C1</td></tr> <tr><td>A</td><td>K71E</td><td>18</td><td>OR</td><td>1867742C1</td><td>1861872C1</td></tr> <tr><td>B</td><td>K71B</td><td>18</td><td>OR</td><td>1867742C1</td><td>1861872C1</td></tr> <tr><td>B</td><td>K71D</td><td>18</td><td>OR</td><td>1867742C1</td><td>1861872C1</td></tr> <tr><td>B</td><td>K82#12B</td><td>18</td><td>TN</td><td>1867742C1</td><td>3568570C1</td></tr> <tr><td>B</td><td>K82#110</td><td>18</td><td>TN</td><td>1867742C1</td><td>3568570C1</td></tr> <tr><td>C</td><td>K89</td><td>18</td><td>TN</td><td>1867742C1</td><td>1861872C1</td></tr> <tr><td>C</td><td>K82#110</td><td>18</td><td>TN</td><td>1867742C1</td><td>3568570C1</td></tr> <tr><td>D</td><td>K13A</td><td>18</td><td>PK</td><td>1867742C1</td><td>1861872C1</td></tr> <tr><td>D</td><td>K71</td><td>18</td><td>OR</td><td>1867742C1</td><td>1861872C1</td></tr> <tr><td>E</td><td>K31B</td><td>18</td><td>TN</td><td>1867742C1</td><td>1861872C1</td></tr> <tr><td>E</td><td>K31E</td><td>18</td><td>TN</td><td>1867742C1</td><td>1861872C1</td></tr> <tr><td>F</td><td>K17D</td><td>18</td><td>PK</td><td>1867742C1</td><td>3568570C1</td></tr> <tr><td>F</td><td>K17E</td><td>18</td><td>PK</td><td>1867742C1</td><td>3568570C1</td></tr> <tr><td>G</td><td>K83-G</td><td>18</td><td>TN</td><td>1867742C1</td><td>1861872C1</td></tr> <tr><td>G</td><td>K31-GC</td><td>18</td><td>WH</td><td>1867742C1</td><td>1861872C1</td></tr> <tr><td>G</td><td>K31-GE</td><td>18</td><td>TN</td><td>1867742C1</td><td>1861872C1</td></tr> <tr><td>G</td><td>K13M4</td><td>18</td><td>PK</td><td>1867742C1</td><td>1861872C1</td></tr> <tr><td>H</td><td>K11-G</td><td>18</td><td>WH</td><td>1867742C1</td><td>1861872C1</td></tr> <tr><td>H</td><td>K71A</td><td>18</td><td>OR</td><td>1867742C1</td><td>1861872C1</td></tr> </tbody> </table>				CAV	CIR	GAUGE	COLOR	TERM	SEAL	A	K71C	18	OR	1867742C1	1861872C1	A	K71E	18	OR	1867742C1	1861872C1	B	K71B	18	OR	1867742C1	1861872C1	B	K71D	18	OR	1867742C1	1861872C1	B	K82#12B	18	TN	1867742C1	3568570C1	B	K82#110	18	TN	1867742C1	3568570C1	C	K89	18	TN	1867742C1	1861872C1	C	K82#110	18	TN	1867742C1	3568570C1	D	K13A	18	PK	1867742C1	1861872C1	D	K71	18	OR	1867742C1	1861872C1	E	K31B	18	TN	1867742C1	1861872C1	E	K31E	18	TN	1867742C1	1861872C1	F	K17D	18	PK	1867742C1	3568570C1	F	K17E	18	PK	1867742C1	3568570C1	G	K83-G	18	TN	1867742C1	1861872C1	G	K31-GC	18	WH	1867742C1	1861872C1	G	K31-GE	18	TN	1867742C1	1861872C1	G	K13M4	18	PK	1867742C1	1861872C1	H	K11-G	18	WH	1867742C1	1861872C1	H	K71A	18	OR	1867742C1	1861872C1
CAV	CIR	GAUGE	COLOR	TERM	SEAL																																																																																																																																
A	K71C	18	OR	1867742C1	1861872C1																																																																																																																																
A	K71E	18	OR	1867742C1	1861872C1																																																																																																																																
B	K71B	18	OR	1867742C1	1861872C1																																																																																																																																
B	K71D	18	OR	1867742C1	1861872C1																																																																																																																																
B	K82#12B	18	TN	1867742C1	3568570C1																																																																																																																																
B	K82#110	18	TN	1867742C1	3568570C1																																																																																																																																
C	K89	18	TN	1867742C1	1861872C1																																																																																																																																
C	K82#110	18	TN	1867742C1	3568570C1																																																																																																																																
D	K13A	18	PK	1867742C1	1861872C1																																																																																																																																
D	K71	18	OR	1867742C1	1861872C1																																																																																																																																
E	K31B	18	TN	1867742C1	1861872C1																																																																																																																																
E	K31E	18	TN	1867742C1	1861872C1																																																																																																																																
F	K17D	18	PK	1867742C1	3568570C1																																																																																																																																
F	K17E	18	PK	1867742C1	3568570C1																																																																																																																																
G	K83-G	18	TN	1867742C1	1861872C1																																																																																																																																
G	K31-GC	18	WH	1867742C1	1861872C1																																																																																																																																
G	K31-GE	18	TN	1867742C1	1861872C1																																																																																																																																
G	K13M4	18	PK	1867742C1	1861872C1																																																																																																																																
H	K11-G	18	WH	1867742C1	1861872C1																																																																																																																																
H	K71A	18	OR	1867742C1	1861872C1																																																																																																																																
<b>J1708 &amp; 5 VOLT REF SPLICE (4820)</b> (LOCATED NEAR WIPER MOTOR BRACKET)  CONNECTOR - 3543733C1 LOCK - 3543732C1 PLUG - 3535425C1 BUS BAR - 3543736C1				<b>DASH/TRANS (4713F)</b> CONNECTOR - 3539835C1 LOCK - 3539836C1 PLUG - 2025431C1  <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>CAV</th> <th>CIR</th> <th>GAUGE</th> <th>COLOR</th> <th>TERM</th> <th>SEAL</th> </tr> </thead> <tbody> <tr><td>A</td><td>K13AA</td><td>18</td><td>PK</td><td>1861875C1</td><td>1861872C1</td></tr> <tr><td>B</td><td>K11-6B</td><td>18</td><td>WH</td><td>1861875C1</td><td>1861872C1</td></tr> <tr><td>C</td><td>K11-6C</td><td>18</td><td>WH</td><td>1861875C1</td><td>1861872C1</td></tr> <tr><td>D</td><td>K14AA</td><td>18</td><td>RD</td><td>1861875C1</td><td>1861872C1</td></tr> <tr><td>E</td><td>K3AA</td><td>18</td><td>DKBL</td><td>1861875C1</td><td>1861872C1</td></tr> <tr><td>F</td><td>K3AB</td><td>18</td><td>GY</td><td>1861875C1</td><td>1861872C1</td></tr> <tr><td>G</td><td>K71D</td><td>18</td><td>OR</td><td>1861875C1</td><td>1861872C1</td></tr> <tr><td>H</td><td>K71E</td><td>18</td><td>OR</td><td>1861875C1</td><td>1861872C1</td></tr> <tr><td>J</td><td>K31D</td><td>18</td><td>TN</td><td>1861875C1</td><td>1861872C1</td></tr> <tr><td>K</td><td>K31-GD</td><td>18</td><td>TN</td><td>1861875C1</td><td>1861872C1</td></tr> </tbody> </table>				CAV	CIR	GAUGE	COLOR	TERM	SEAL	A	K13AA	18	PK	1861875C1	1861872C1	B	K11-6B	18	WH	1861875C1	1861872C1	C	K11-6C	18	WH	1861875C1	1861872C1	D	K14AA	18	RD	1861875C1	1861872C1	E	K3AA	18	DKBL	1861875C1	1861872C1	F	K3AB	18	GY	1861875C1	1861872C1	G	K71D	18	OR	1861875C1	1861872C1	H	K71E	18	OR	1861875C1	1861872C1	J	K31D	18	TN	1861875C1	1861872C1	K	K31-GD	18	TN	1861875C1	1861872C1																																																												
CAV	CIR	GAUGE	COLOR	TERM	SEAL																																																																																																																																
A	K13AA	18	PK	1861875C1	1861872C1																																																																																																																																
B	K11-6B	18	WH	1861875C1	1861872C1																																																																																																																																
C	K11-6C	18	WH	1861875C1	1861872C1																																																																																																																																
D	K14AA	18	RD	1861875C1	1861872C1																																																																																																																																
E	K3AA	18	DKBL	1861875C1	1861872C1																																																																																																																																
F	K3AB	18	GY	1861875C1	1861872C1																																																																																																																																
G	K71D	18	OR	1861875C1	1861872C1																																																																																																																																
H	K71E	18	OR	1861875C1	1861872C1																																																																																																																																
J	K31D	18	TN	1861875C1	1861872C1																																																																																																																																
K	K31-GD	18	TN	1861875C1	1861872C1																																																																																																																																
<b>RELAY COIL IGNITION SPLICE (4840)</b> (LOCATED INSIDE POWER DISTRIBUTION CENTER)  <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>CAV</th> <th>CIR</th> <th>GAUGE</th> <th>COLOR</th> <th>TERM</th> </tr> </thead> <tbody> <tr><td>A</td><td>J13X</td><td>18</td><td>PK</td><td>1861208C1</td></tr> <tr><td>B</td><td>J84HE</td><td>18</td><td>GY</td><td>1861208C1</td></tr> <tr><td>C</td><td>J13AS</td><td>18</td><td>PK</td><td>1861208C1</td></tr> <tr><td>E</td><td>J13AV</td><td>18</td><td>PK</td><td>1861208C1</td></tr> </tbody> </table> CONNECTOR - 2008789C1 LOCK - 2008792C1 COVER - 2008790C1 BUS BAR - 2008781C1				CAV	CIR	GAUGE	COLOR	TERM	A	J13X	18	PK	1861208C1	B	J84HE	18	GY	1861208C1	C	J13AS	18	PK	1861208C1	E	J13AV	18	PK	1861208C1	<b>COMBINATION TURN STOP (4850)</b> (LOCATED NEAR POWER DISTRIBUTION CENTER)  <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>CAV</th> <th>CIR</th> <th>GAUGE</th> <th>COLOR</th> <th>TERM</th> <th>SEAL</th> </tr> </thead> <tbody> <tr><td>A</td><td>J57J</td><td>18</td><td>OR</td><td>3535303C1</td><td>3535424C1</td></tr> <tr><td>B</td><td>J57B</td><td>18</td><td>OR</td><td>3535303C1</td><td>3535424C1</td></tr> <tr><td>C</td><td>J57K</td><td>18</td><td>OR</td><td>3535303C1</td><td>3535424C1</td></tr> <tr><td>D</td><td>J57BB</td><td>18</td><td>OR</td><td>3535303C1</td><td>3535424C1</td></tr> <tr><td>E</td><td>J58J</td><td>18</td><td>OR</td><td>3535303C1</td><td>3535424C1</td></tr> <tr><td>F</td><td>J58B</td><td>18</td><td>OR</td><td>3535303C1</td><td>3535424C1</td></tr> <tr><td>G</td><td>J58K</td><td>18</td><td>OR</td><td>3535303C1</td><td>3535424C1</td></tr> <tr><td>H</td><td>J58BB</td><td>18</td><td>OR</td><td>3535303C1</td><td>3535424C1</td></tr> <tr><td>J</td><td>UNUSED</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>K</td><td>PLUG</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>L</td><td>PLUG</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>M</td><td>PLUG</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> </tbody> </table> CONNECTOR - 3543733C1 LOCK - 3543732C1 PLUG - 3535425C1 BUS BAR - 3543736C1				CAV	CIR	GAUGE	COLOR	TERM	SEAL	A	J57J	18	OR	3535303C1	3535424C1	B	J57B	18	OR	3535303C1	3535424C1	C	J57K	18	OR	3535303C1	3535424C1	D	J57BB	18	OR	3535303C1	3535424C1	E	J58J	18	OR	3535303C1	3535424C1	F	J58B	18	OR	3535303C1	3535424C1	G	J58K	18	OR	3535303C1	3535424C1	H	J58BB	18	OR	3535303C1	3535424C1	J	UNUSED	-	-	-	-	K	PLUG	-	-	-	-	L	PLUG	-	-	-	-	M	PLUG	-	-	-	-																							
CAV	CIR	GAUGE	COLOR	TERM																																																																																																																																	
A	J13X	18	PK	1861208C1																																																																																																																																	
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C	J13AS	18	PK	1861208C1																																																																																																																																	
E	J13AV	18	PK	1861208C1																																																																																																																																	
CAV	CIR	GAUGE	COLOR	TERM	SEAL																																																																																																																																
A	J57J	18	OR	3535303C1	3535424C1																																																																																																																																
B	J57B	18	OR	3535303C1	3535424C1																																																																																																																																
C	J57K	18	OR	3535303C1	3535424C1																																																																																																																																
D	J57BB	18	OR	3535303C1	3535424C1																																																																																																																																
E	J58J	18	OR	3535303C1	3535424C1																																																																																																																																
F	J58B	18	OR	3535303C1	3535424C1																																																																																																																																
G	J58K	18	OR	3535303C1	3535424C1																																																																																																																																
H	J58BB	18	OR	3535303C1	3535424C1																																																																																																																																
J	UNUSED	-	-	-	-																																																																																																																																
K	PLUG	-	-	-	-																																																																																																																																
L	PLUG	-	-	-	-																																																																																																																																
M	PLUG	-	-	-	-																																																																																																																																
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>CHK</th> <th>DATE</th> <th>CHANGE</th> <th>REV</th> <th>REFERENCE</th> <th>DRAWN</th> <th>NAME</th> </tr> </thead> <tbody> <tr> <td>CNA</td> <td>11SEP03</td> <td>ADDED 4712F</td> <td>E</td> <td>58774T</td> <td>U00EDL2</td> <td>42/43/44/85/B600 &amp; 73/74/7500 CIRC DIAGRAMS</td> </tr> <tr> <td></td> <td></td> <td>AND 4713. MOVED 4900.</td> <td></td> <td></td> <td>RELEASE NO.</td> <td>DATE</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td>P52778H</td> <td>31MAY00</td> </tr> </tbody> </table>				CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME	CNA	11SEP03	ADDED 4712F	E	58774T	U00EDL2	42/43/44/85/B600 & 73/74/7500 CIRC DIAGRAMS			AND 4713. MOVED 4900.			RELEASE NO.	DATE						P52778H	31MAY00	<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>PART NO.</th> <th>SHEET</th> </tr> </thead> <tbody> <tr> <td>AE08-52376</td> <td>35</td> </tr> </tbody> </table>				PART NO.	SHEET	AE08-52376	35																																																																																														
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Figure 177 Connector Composites (4810), (4712F), (4820), (4713F), (4830), (4840), (4850)

13.36. CONNECTOR COMPOSITES (4900), (4910), (4950), (4951), P. 36

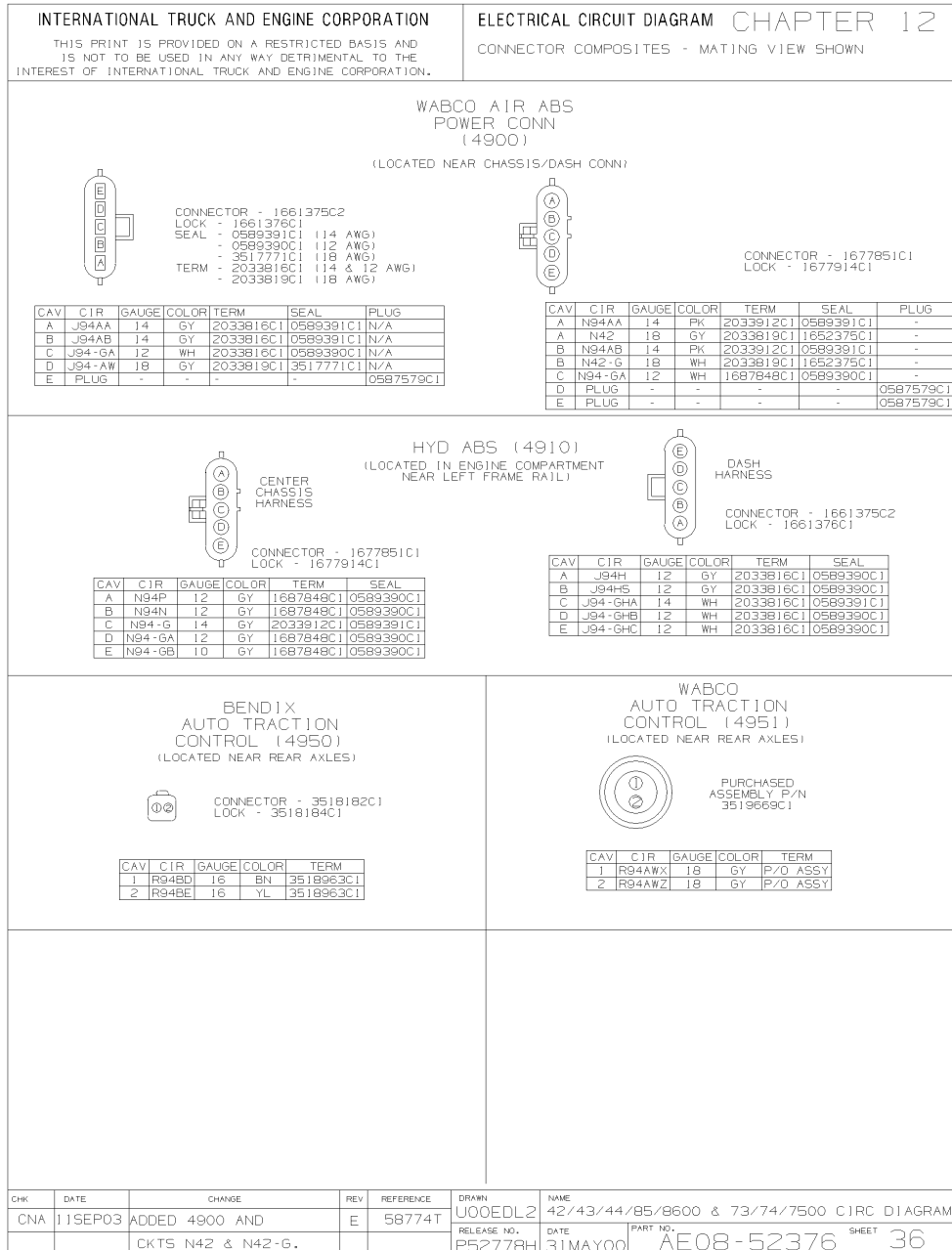


Figure 178 Connector Composites (4900), (4910), (4950), (4951)

13.37. CONNECTOR COMPOSITES (6007), (6011), P. 37

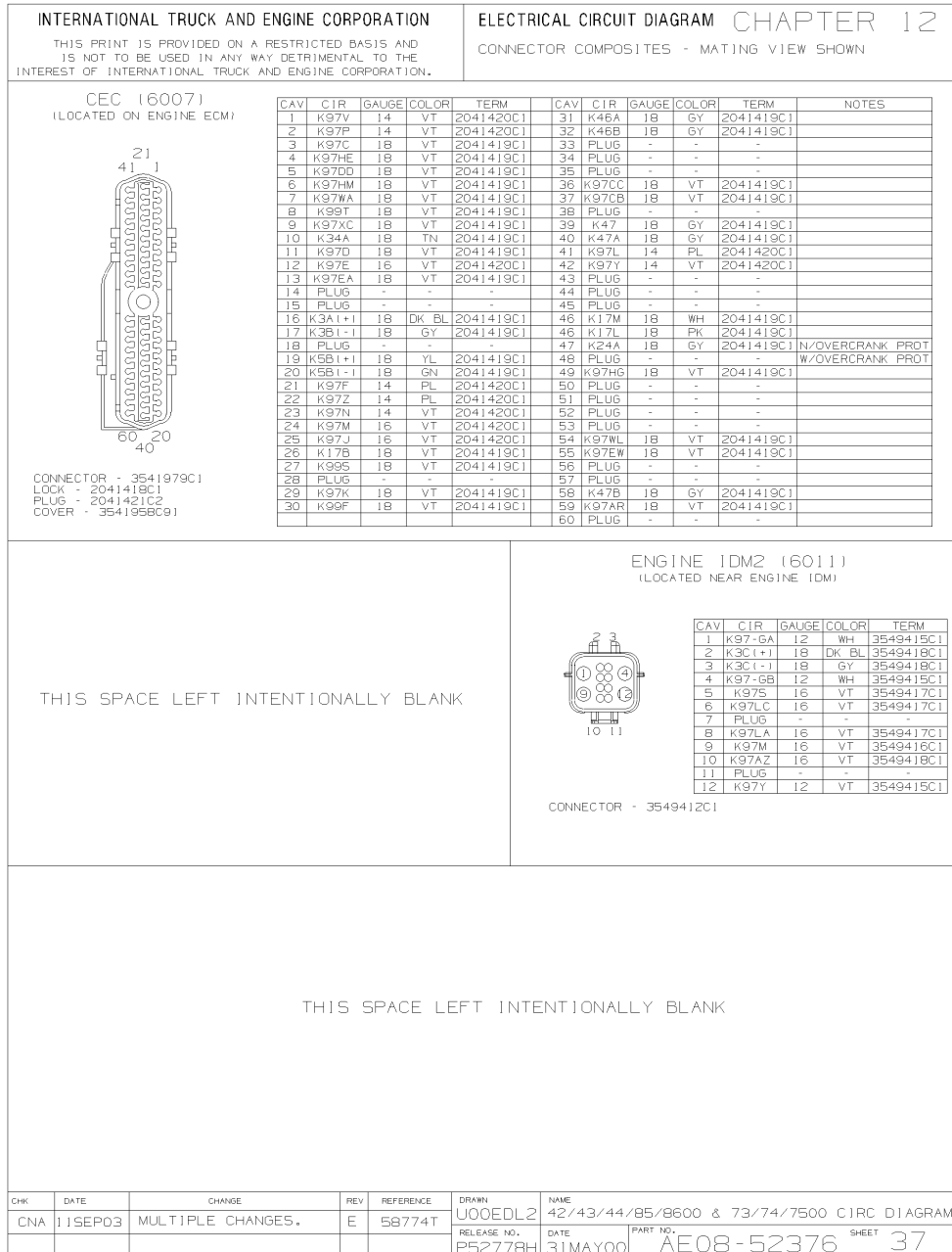


Figure 179 Connector Composites (6007), (6011)

13.38. CONNECTOR COMPOSITES (6013M), (6014), P. 38

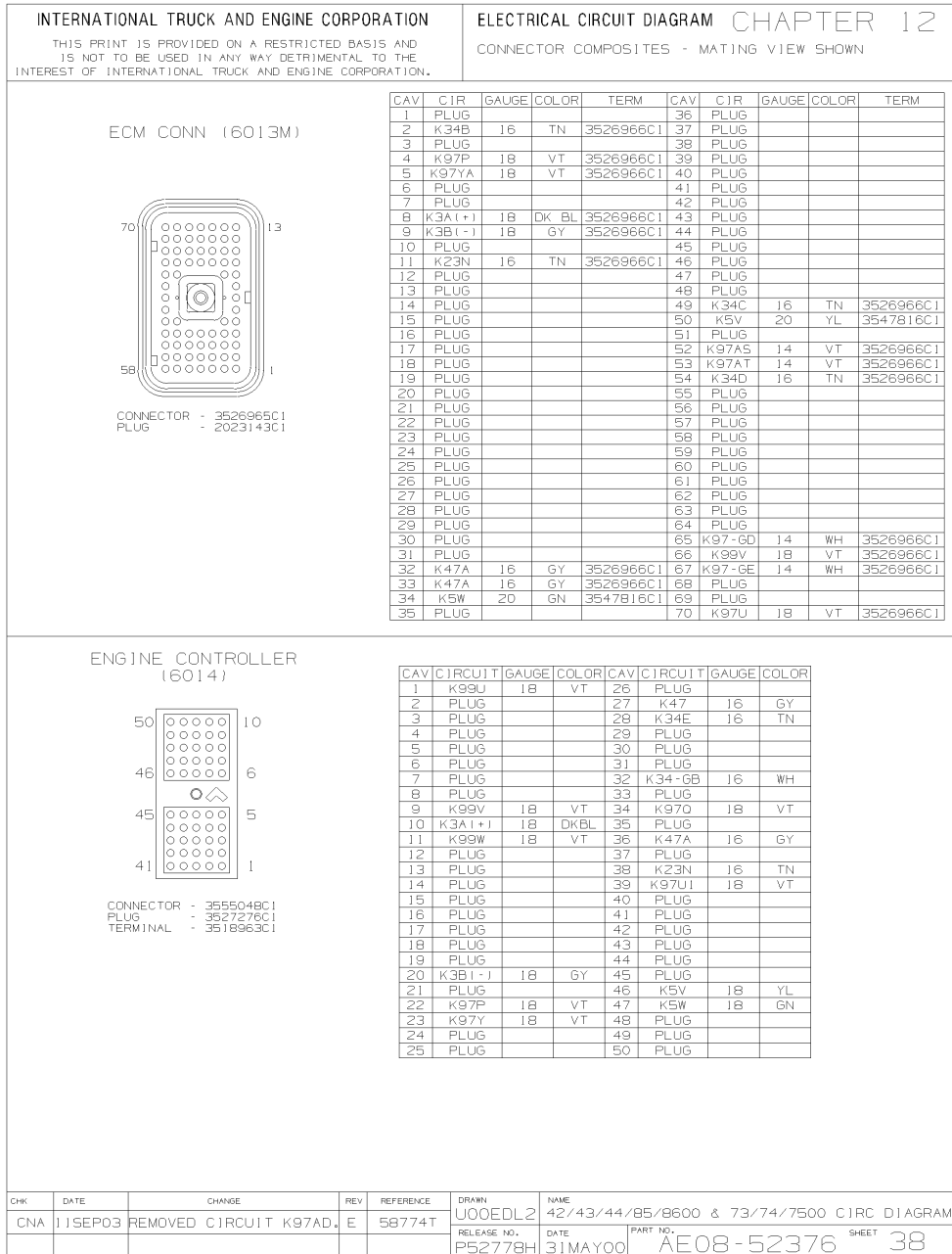


Figure 180 Connector Composites (6013M), (6014)

13.39. CONNECTOR COMPOSITES (6015), (6020), (6021), P. 39

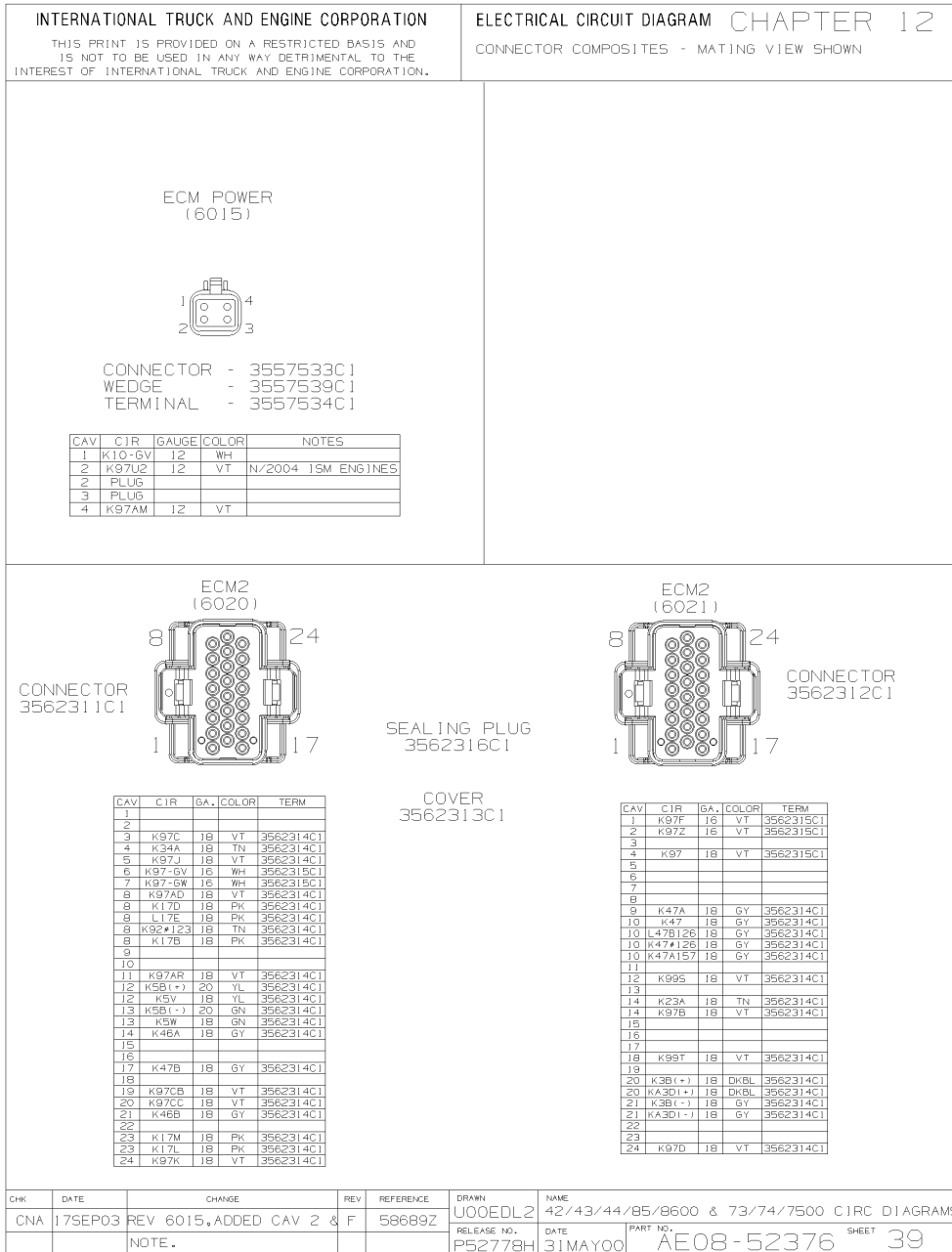
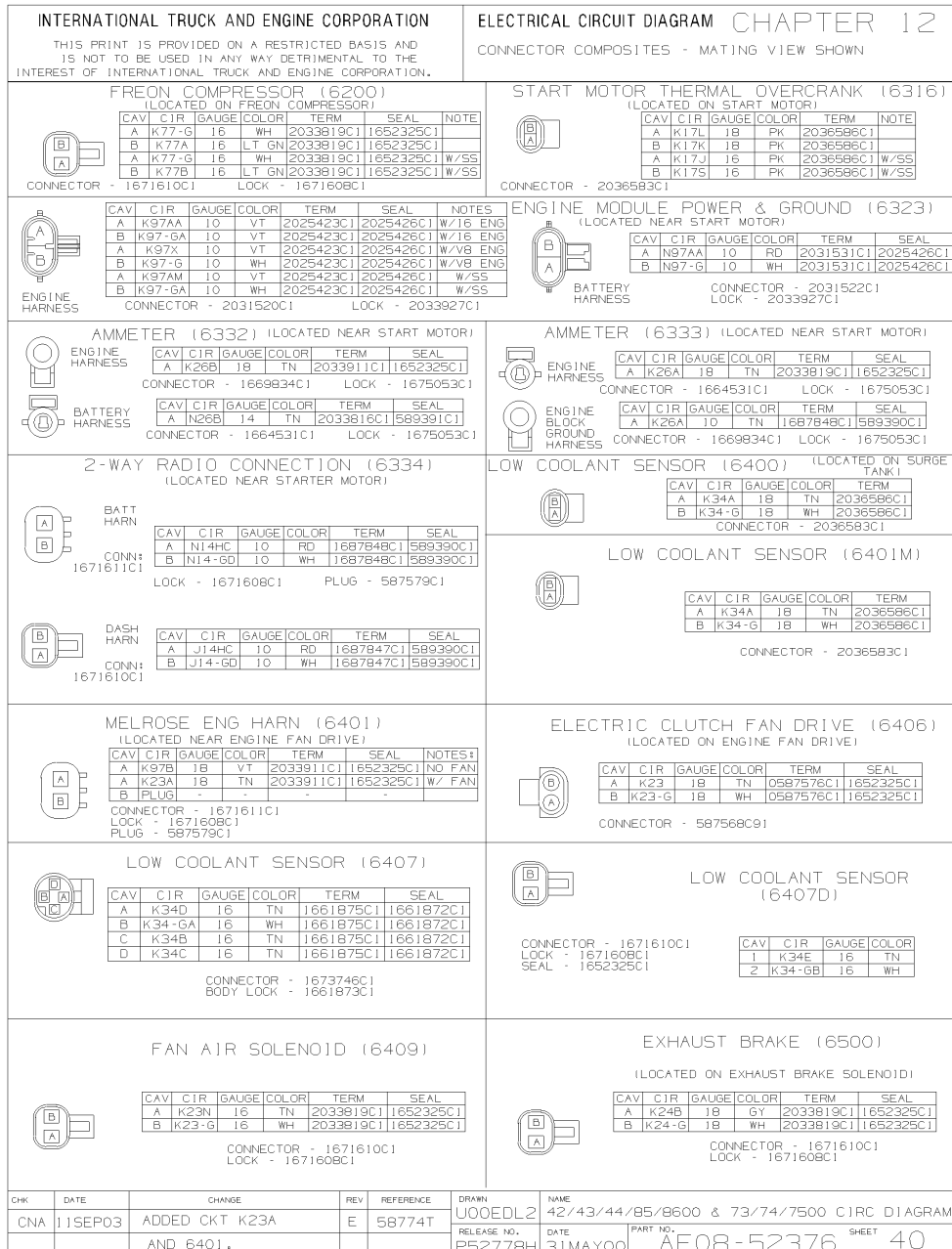


Figure 181 Connector Composites (6015), (6020), (6021)

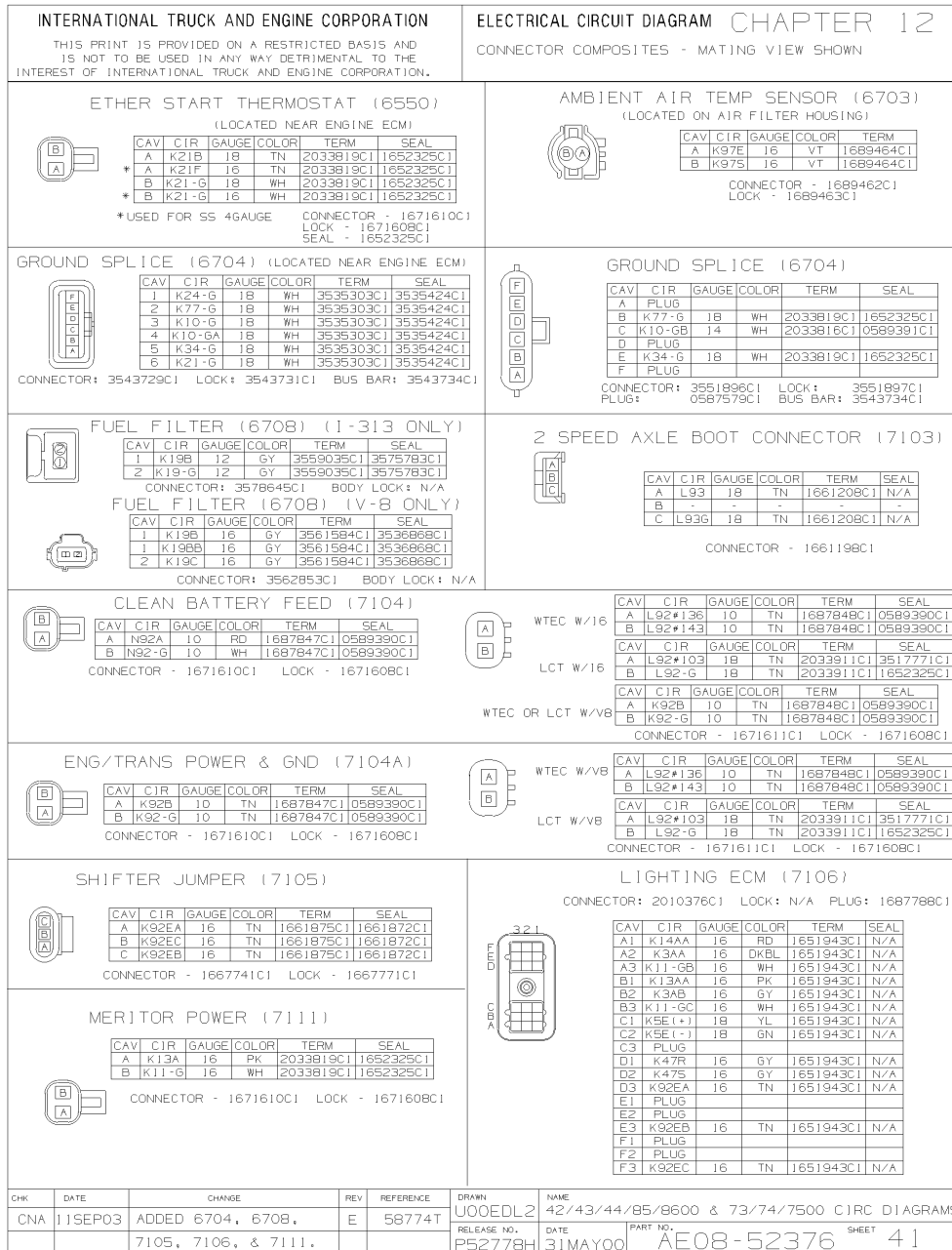
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**13.40. CONNECTOR COMPOSITES (6200), (6316), (6323), (6332), (6333), (6334), (6400), (6401M), (6401), (6406), (6407), (6407D), (6409), (6500), P. 40**



**Figure 182 Connector Composites (6200), (6316), (6323), (6332), (6333), (6334), (6400), (6401M), (6401), (6406), (6407), (6407D), (6409), (6500)**

**13.41. CONNECTOR COMPOSITES (6550), (6703), (6704), (6708), (7103), (7104), (7104A), (7105), (7106), (7111), P. 41**



**Figure 183 Connector Composites (6550), (6703), (6704), (6708), (7103), (7104), (7104A), (7105), (7106), (7111)**

13.42. CONNECTOR COMPOSITES (7200), (7202), (7203), P. 42

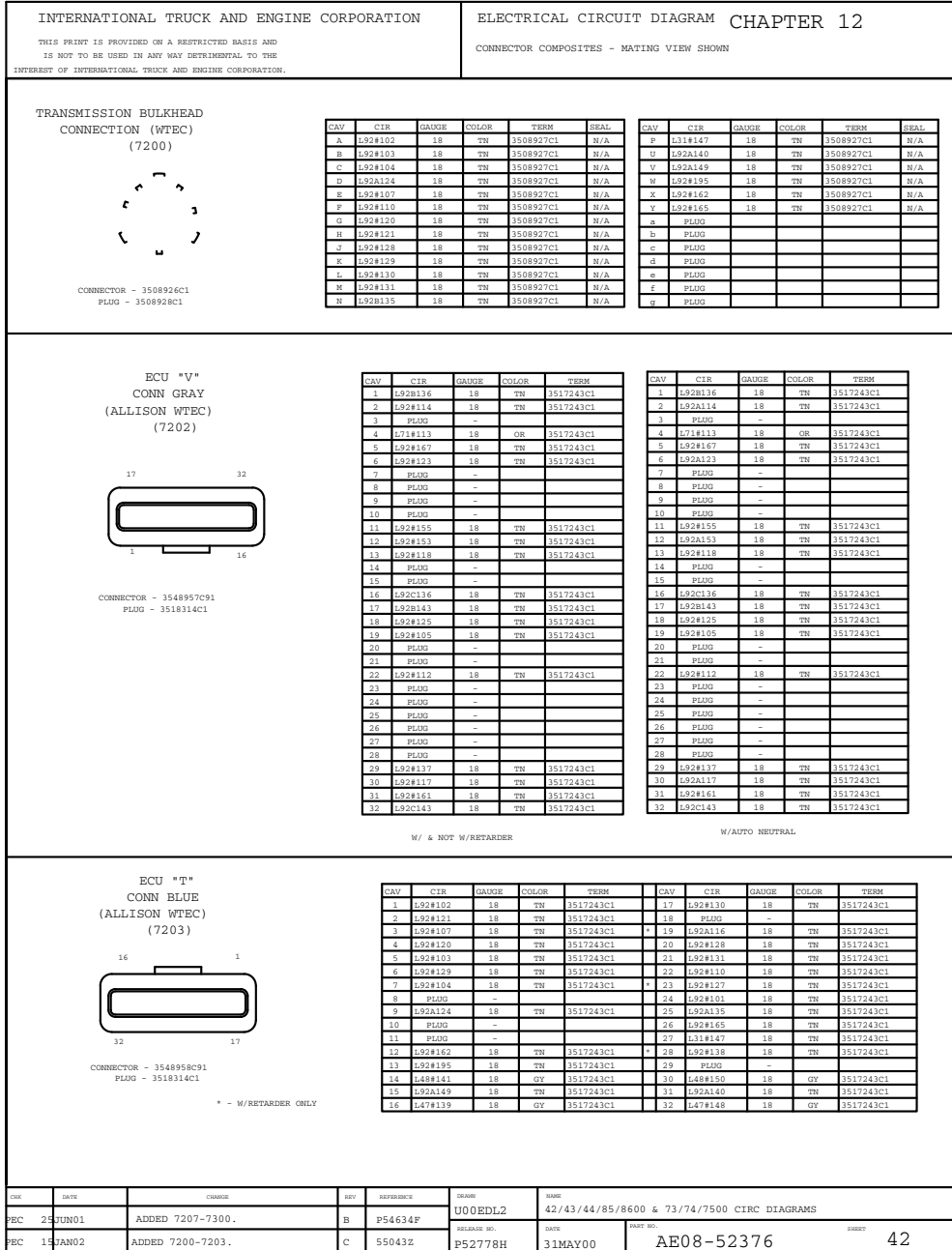


Figure 184 Connector Composites Connector Composites (7200), (7202), (7203)



13.43. CONNECTOR COMPOSITES (7204), (7205), (7206), (7211), (7212), (7213), P. 43

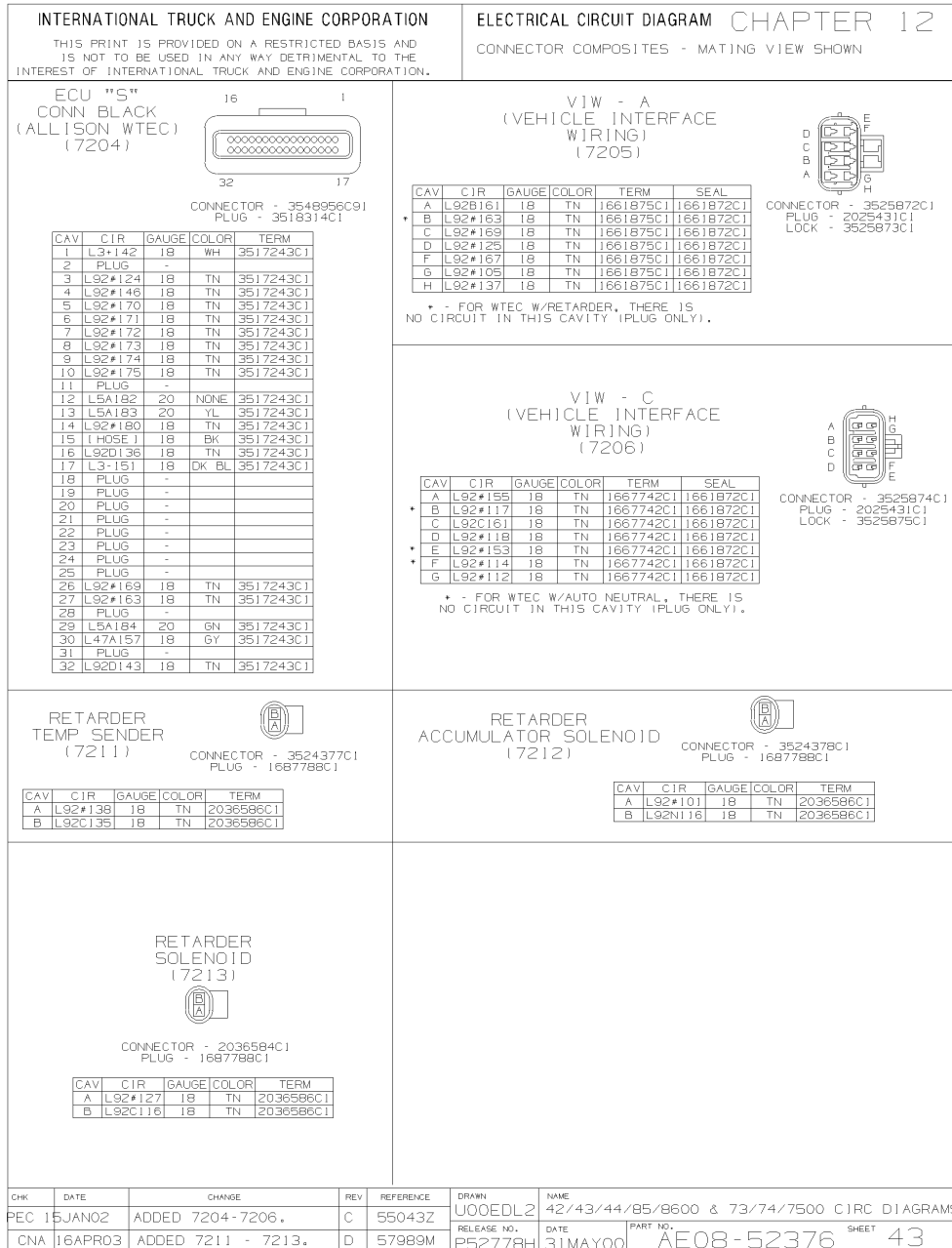


Figure 185 Connector Composites (7204), (7205), (7206), (7211), (7212), (7213)

13.44. CONNECTOR COMPOSITES (7214), (7300), (7301), P. 44

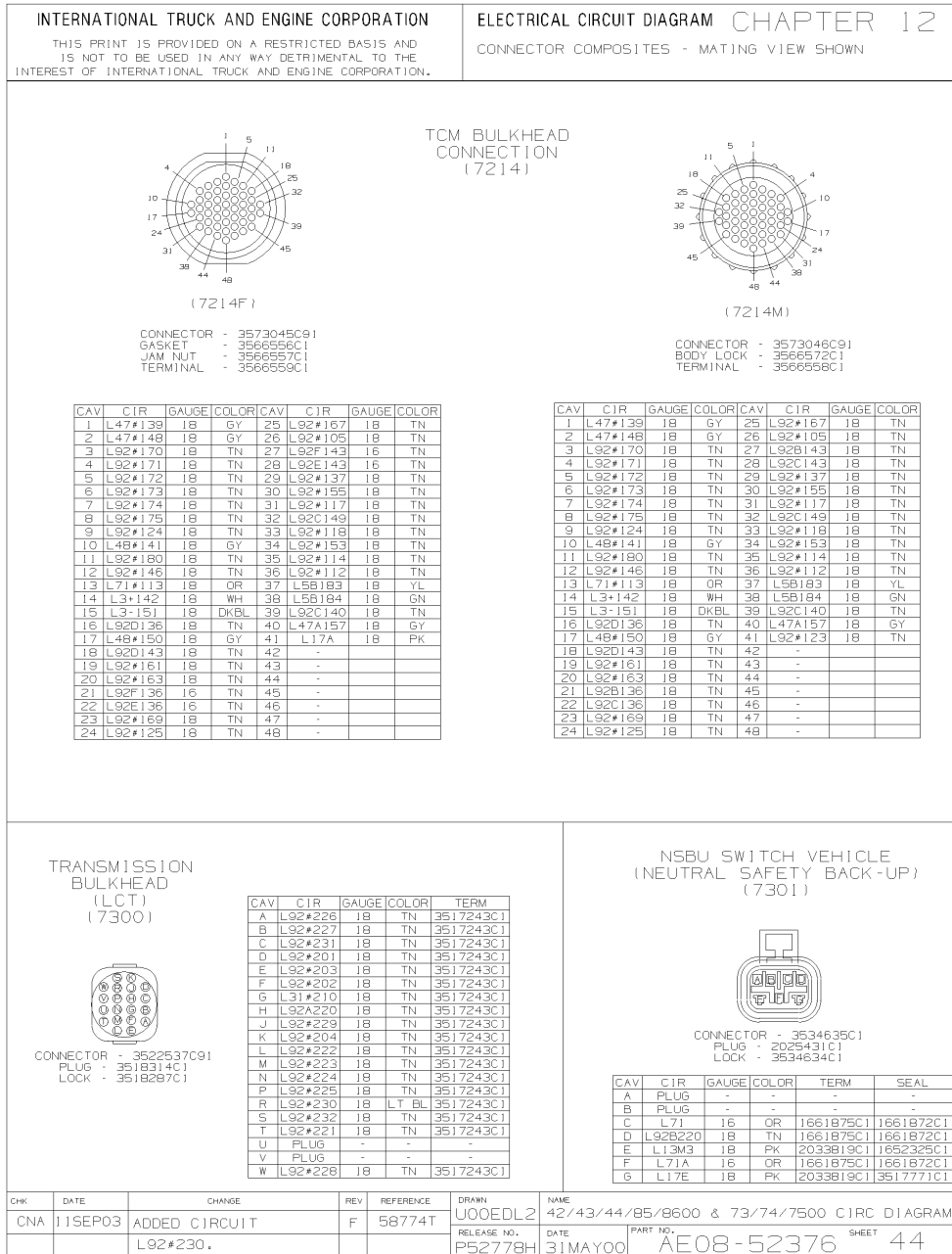


Figure 186 Connector Composites (7214), (7300), (7301)

13.45. CONNECTOR COMPOSITES (7302), (7304), (7305), (7306), (7500), (7502), (7600), (7601), P. 45

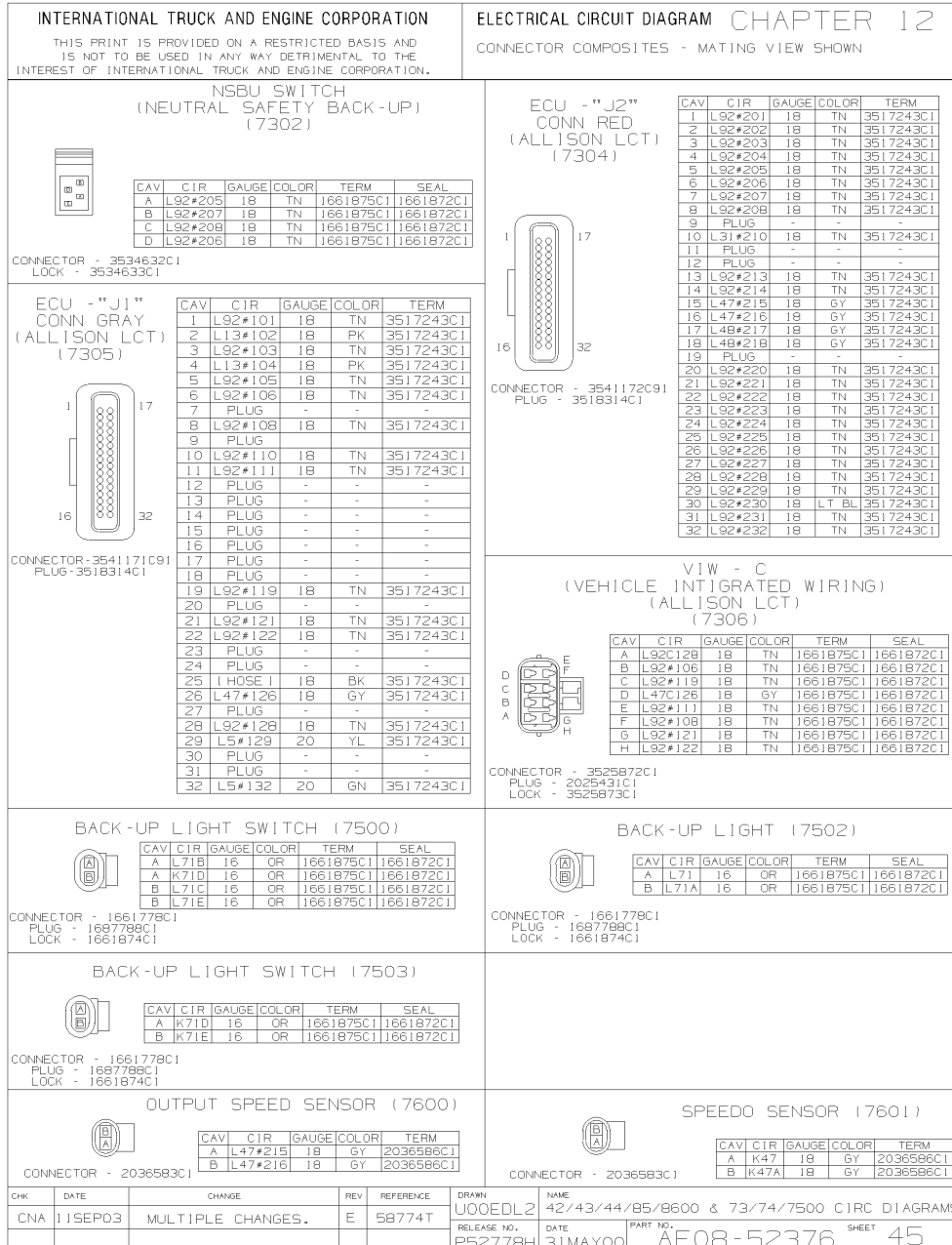


















Figure 187 Connector Composites (7302), (7304), (7305), (7306), (7500), (7502), (7600), (7601)

**13.46. CONNECTOR COMPOSITES (7603), (7604), (7605), (7606), (7607), (7608), (7609), (7610), (7611), (7612), (7613), (7615), (7700), (7702), (7703), (7703A), P. 46**

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THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF INTERNATIONAL TRUCK AND ENGINE CORPORATION.				CONNECTOR COMPOSITES - MATING VIEW SHOWN																																										
<p>ENGINE SPEED SENSOR (7603)</p>  <table border="1"> <thead> <tr> <th>CAV</th> <th>CIR</th> <th>GAUGE</th> <th>COLOR</th> <th>TERM</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>L48#141</td> <td>18</td> <td>GY</td> <td>2036586C1</td> </tr> <tr> <td>B</td> <td>L48#150</td> <td>18</td> <td>GY</td> <td>2036586C1</td> </tr> </tbody> </table> <p>CONNECTOR - 2036583C1</p>				CAV	CIR	GAUGE	COLOR	TERM	A	L48#141	18	GY	2036586C1	B	L48#150	18	GY	2036586C1	<p>ENGINE SPEED SENSOR (7604)</p>  <table border="1"> <thead> <tr> <th>CAV</th> <th>CIR</th> <th>GAUGE</th> <th>COLOR</th> <th>TERM</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>L48#217</td> <td>18</td> <td>GY</td> <td>2036586C1</td> </tr> <tr> <td>B</td> <td>L48#218</td> <td>18</td> <td>GY</td> <td>2036586C1</td> </tr> </tbody> </table> <p>CONNECTOR - 2036583C1</p>				CAV	CIR	GAUGE	COLOR	TERM	A	L48#217	18	GY	2036586C1	B	L48#218	18	GY	2036586C1									
CAV	CIR	GAUGE	COLOR	TERM																																										
A	L48#141	18	GY	2036586C1																																										
B	L48#150	18	GY	2036586C1																																										
CAV	CIR	GAUGE	COLOR	TERM																																										
A	L48#217	18	GY	2036586C1																																										
B	L48#218	18	GY	2036586C1																																										
<p>OUTPUT SPEED SENSOR (7605)</p>  <table border="1"> <thead> <tr> <th>CAV</th> <th>CIR</th> <th>GAUGE</th> <th>COLOR</th> <th>TERM</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>L47#139</td> <td>18</td> <td>GY</td> <td>2036586C1</td> </tr> <tr> <td>B</td> <td>L47#148</td> <td>18</td> <td>GY</td> <td>2036586C1</td> </tr> </tbody> </table> <p>CONNECTOR - 2036583C1</p>				CAV	CIR	GAUGE	COLOR	TERM	A	L47#139	18	GY	2036586C1	B	L47#148	18	GY	2036586C1	<p>TRANSMISSION SPEED CONNECTION (7606)</p>  <table border="1"> <thead> <tr> <th>CAV</th> <th>CIR</th> <th>GAUGE</th> <th>COLOR</th> <th>TERM</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>L47#139</td> <td>18</td> <td>GY</td> <td>2036586C1</td> </tr> <tr> <td>B</td> <td>L47#148</td> <td>18</td> <td>GY</td> <td>2036586C1</td> </tr> </tbody> </table> <p>CONNECTOR - 2036583C1</p>				CAV	CIR	GAUGE	COLOR	TERM	A	L47#139	18	GY	2036586C1	B	L47#148	18	GY	2036586C1									
CAV	CIR	GAUGE	COLOR	TERM																																										
A	L47#139	18	GY	2036586C1																																										
B	L47#148	18	GY	2036586C1																																										
CAV	CIR	GAUGE	COLOR	TERM																																										
A	L47#139	18	GY	2036586C1																																										
B	L47#148	18	GY	2036586C1																																										
<p>TRANSMISSION SPEED CONNECTION (7607)</p>  <table border="1"> <thead> <tr> <th>CAV</th> <th>CIR</th> <th>GAUGE</th> <th>COLOR</th> <th>TERM</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>L92#213</td> <td>18</td> <td>TN</td> <td>2036586C1</td> </tr> <tr> <td>B</td> <td>L92#214</td> <td>18</td> <td>TN</td> <td>2036586C1</td> </tr> </tbody> </table> <p>CONNECTOR - 2036583C1</p>				CAV	CIR	GAUGE	COLOR	TERM	A	L92#213	18	TN	2036586C1	B	L92#214	18	TN	2036586C1	<p>TRANSFER CASE SPEED CONNECTION (7608)</p>  <table border="1"> <thead> <tr> <th>CAV</th> <th>CIR</th> <th>GAUGE</th> <th>COLOR</th> <th>TERM</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>L47N</td> <td>16</td> <td>GY</td> <td>2036586C1</td> </tr> <tr> <td>B</td> <td>L47P</td> <td>16</td> <td>GY</td> <td>2036586C1</td> </tr> </tbody> </table> <p>CONNECTOR - 2036583C1</p>				CAV	CIR	GAUGE	COLOR	TERM	A	L47N	16	GY	2036586C1	B	L47P	16	GY	2036586C1									
CAV	CIR	GAUGE	COLOR	TERM																																										
A	L92#213	18	TN	2036586C1																																										
B	L92#214	18	TN	2036586C1																																										
CAV	CIR	GAUGE	COLOR	TERM																																										
A	L47N	16	GY	2036586C1																																										
B	L47P	16	GY	2036586C1																																										
<p>SPEED SENSOR (7609)</p>  <table border="1"> <thead> <tr> <th>CAV</th> <th>CIR</th> <th>GAUGE</th> <th>COLOR</th> <th>TERM</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>L47</td> <td>18</td> <td>GY</td> <td>2036586C1</td> </tr> <tr> <td>B</td> <td>L47A</td> <td>18</td> <td>GY</td> <td>2036586C1</td> </tr> </tbody> </table> <p>CONNECTOR - 2036583C1</p>				CAV	CIR	GAUGE	COLOR	TERM	A	L47	18	GY	2036586C1	B	L47A	18	GY	2036586C1	<p>TRANSFER CASE TO TRANSMISSION (7610)</p> <p>USED ONLY WHEN TRANSFER CASE AND ALLISON WTEC ARE PRESENT</p>  <p>MATING CONNECTOR IS FEMALE SIDE OF CONNECTOR 7800.</p> <p>CONNECTOR - 1667740C1 PLUG - 2025431C1 LOCK - 1667771C1</p> <table border="1"> <thead> <tr> <th>CAV</th> <th>CIR</th> <th>GAUGE</th> <th>COLOR</th> <th>TERM</th> <th>SEAL</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>PLUG</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> </tr> <tr> <td>B</td> <td>PLUG</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> </tr> <tr> <td>C</td> <td>L92DJ</td> <td>16</td> <td>TN</td> <td>1667742C1</td> <td>1661872C1</td> </tr> </tbody> </table>				CAV	CIR	GAUGE	COLOR	TERM	SEAL	A	PLUG	-	-	-	-	B	PLUG	-	-	-	-	C	L92DJ	16	TN	1667742C1	1661872C1
CAV	CIR	GAUGE	COLOR	TERM																																										
A	L47	18	GY	2036586C1																																										
B	L47A	18	GY	2036586C1																																										
CAV	CIR	GAUGE	COLOR	TERM	SEAL																																									
A	PLUG	-	-	-	-																																									
B	PLUG	-	-	-	-																																									
C	L92DJ	16	TN	1667742C1	1661872C1																																									
<p>TRANSFER CASE SPEED CONNECTION (7611)</p>  <table border="1"> <thead> <tr> <th>CAV</th> <th>CIR</th> <th>GAUGE</th> <th>COLOR</th> <th>TERM</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>L47L</td> <td>16</td> <td>GY</td> <td>2036586C1</td> </tr> <tr> <td>B</td> <td>L47M</td> <td>16</td> <td>GY</td> <td>2036586C1</td> </tr> </tbody> </table> <p>CONNECTOR - 2036583C1</p>				CAV	CIR	GAUGE	COLOR	TERM	A	L47L	16	GY	2036586C1	B	L47M	16	GY	2036586C1	<p>EATON SPEED SENSOR (7612)</p>  <table border="1"> <thead> <tr> <th>CAV</th> <th>CIR</th> <th>GAUGE</th> <th>COLOR</th> <th>TERM</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>K47R</td> <td>16</td> <td>GY</td> <td>2036586C1</td> </tr> <tr> <td>B</td> <td>K47S</td> <td>16</td> <td>GY</td> <td>2036586C1</td> </tr> </tbody> </table> <p>CONNECTOR - 2036583C1</p>				CAV	CIR	GAUGE	COLOR	TERM	A	K47R	16	GY	2036586C1	B	K47S	16	GY	2036586C1									
CAV	CIR	GAUGE	COLOR	TERM																																										
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B	L47M	16	GY	2036586C1																																										
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B	K47S	16	GY	2036586C1																																										
<p>TRUCK SPEED SENSOR (7613)</p>  <table border="1"> <thead> <tr> <th>CAV</th> <th>CIR</th> <th>GAUGE</th> <th>COLOR</th> <th>TERM</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>K47</td> <td>18</td> <td>GY</td> <td>2036586C1</td> </tr> <tr> <td>B</td> <td>K47A</td> <td>18</td> <td>GY</td> <td>2036586C1</td> </tr> </tbody> </table> <p>CONNECTOR - 2036583C1</p>				CAV	CIR	GAUGE	COLOR	TERM	A	K47	18	GY	2036586C1	B	K47A	18	GY	2036586C1	<p>TRANSMISSION OIL TEMP SENSOR (7700)</p>  <table border="1"> <thead> <tr> <th>CAV</th> <th>CIR</th> <th>GAUGE</th> <th>COLOR</th> <th>TERM</th> <th>SEAL</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>K31E</td> <td>18</td> <td>TN</td> <td>3536865C1</td> <td>3536866C1</td> </tr> <tr> <td>2</td> <td>K31G</td> <td>18</td> <td>TN</td> <td>3536865C1</td> <td>3536866C1</td> </tr> </tbody> </table> <p>CONNECTOR - 3536864C1</p>				CAV	CIR	GAUGE	COLOR	TERM	SEAL	1	K31E	18	TN	3536865C1	3536866C1	2	K31G	18	TN	3536865C1	3536866C1						
CAV	CIR	GAUGE	COLOR	TERM																																										
A	K47	18	GY	2036586C1																																										
B	K47A	18	GY	2036586C1																																										
CAV	CIR	GAUGE	COLOR	TERM	SEAL																																									
1	K31E	18	TN	3536865C1	3536866C1																																									
2	K31G	18	TN	3536865C1	3536866C1																																									
<p>TURBINE SPEED SENSOR (7615)</p>  <table border="1"> <thead> <tr> <th>CAV</th> <th>CIR</th> <th>GAUGE</th> <th>COLOR</th> <th>TERM</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>MR92C149</td> <td>18</td> <td>TN</td> <td>2036586C1</td> </tr> <tr> <td>B</td> <td>MR92C140</td> <td>18</td> <td>TN</td> <td>2036586C1</td> </tr> </tbody> </table> <p>CONNECTOR - 2036583C1</p>				CAV	CIR	GAUGE	COLOR	TERM	A	MR92C149	18	TN	2036586C1	B	MR92C140	18	TN	2036586C1	<p>TRANS OIL TEMP SENSOR (7702)</p>  <table border="1"> <thead> <tr> <th>CAV</th> <th>CIR</th> <th>GAUGE</th> <th>COLOR</th> <th>TERM</th> <th>SEAL</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>K31F</td> <td>18</td> <td>TN</td> <td>3536865C1</td> <td>3536866C1</td> </tr> <tr> <td>2</td> <td>K31-GF</td> <td>18</td> <td>TN</td> <td>3536865C1</td> <td>3536866C1</td> </tr> </tbody> </table> <p>CONNECTOR - 3536864C1</p>				CAV	CIR	GAUGE	COLOR	TERM	SEAL	1	K31F	18	TN	3536865C1	3536866C1	2	K31-GF	18	TN	3536865C1	3536866C1						
CAV	CIR	GAUGE	COLOR	TERM																																										
A	MR92C149	18	TN	2036586C1																																										
B	MR92C140	18	TN	2036586C1																																										
CAV	CIR	GAUGE	COLOR	TERM	SEAL																																									
1	K31F	18	TN	3536865C1	3536866C1																																									
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**Figure 188 Connector Composites (7603), (7604), (7605), (7606), (7607), (7608), (7609), (7610), (7611), (7612), (7613), (7615), (7700), (7702), (7703), (7703A)**

13.47. CONNECTOR COMPOSITES (7800), (7801M), (7803), (7900), (7901), P. 47






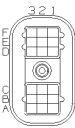

<p>INTERNATIONAL TRUCK AND ENGINE CORPORATION</p> <p>THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF INTERNATIONAL TRUCK AND ENGINE CORPORATION.</p>	<p>ELECTRICAL CIRCUIT DIAGRAM CHAPTER 12</p> <p>CONNECTOR COMPOSITES - MATING VIEW SHOWN</p>																																																																																																																																																																																																																																																																																																			
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Figure 189 Connector Composites (7800), (7801M), (7803), (7900), (7901)

13.48. CONNECTOR COMPOSITES (7905), (7906), (8000), (8001), (8102), (8150), (8151), (8200), P. 48

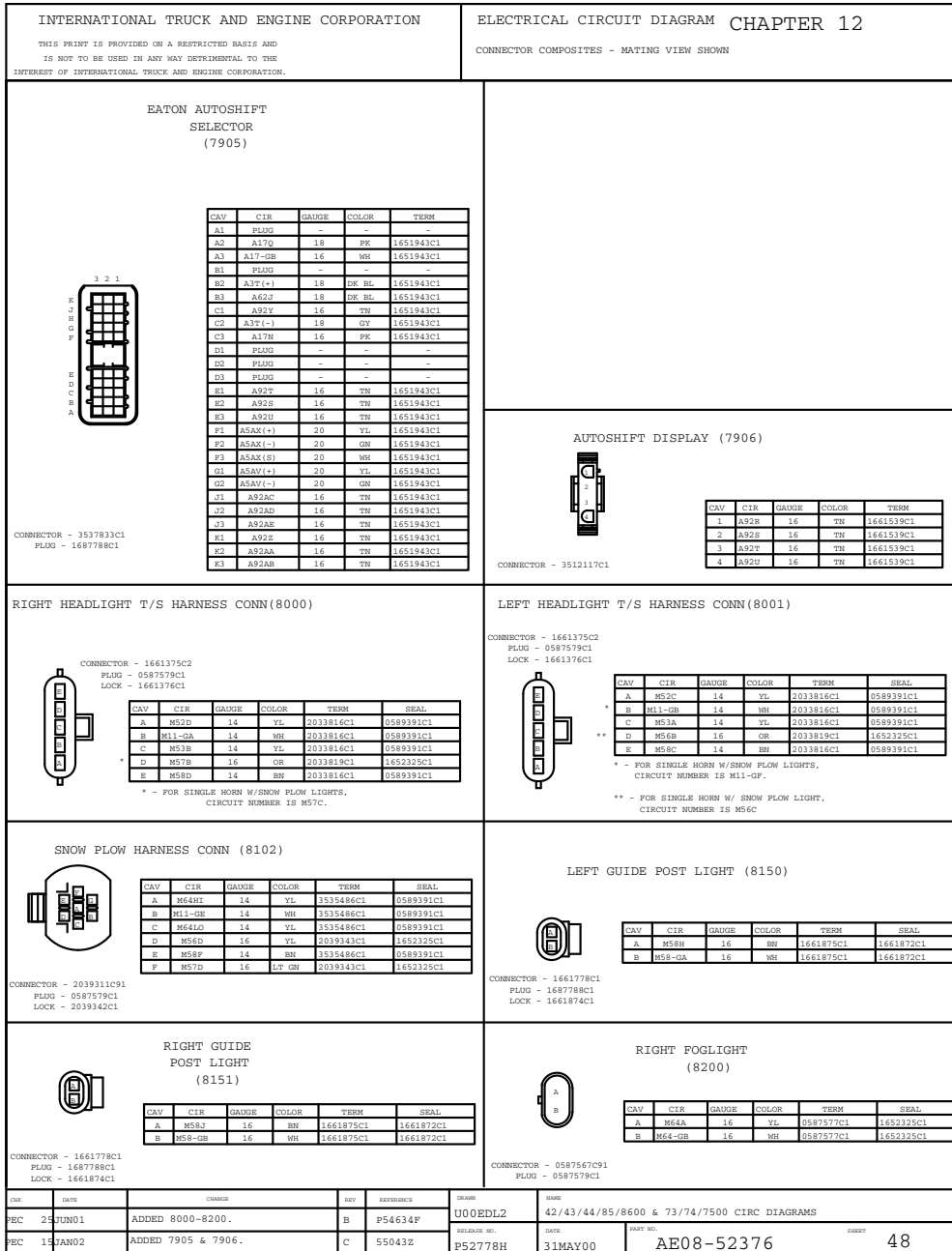


Figure 190 Connector Composites (7905), (7906), (8000), (8001), (8102), (8150), (8151), (8200)

13.49. CONNECTOR COMPOSITES (8201), (8301), (8310), (8311), (8312), (8400), (8500), (8501), (8502), (8502A), P. 49

INTERNATIONAL TRUCK AND ENGINE CORPORATION				ELECTRICAL CIRCUIT DIAGRAM CHAPTER 12																																																									
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<p>LEFT HYD ABS WHEEL SENSOR (8502)</p> <p>1 - 2</p> <p>PURCHASED ASSEMBLY P/N 3519878C1</p> <table border="1"> <thead> <tr> <th>CAV</th> <th>CIR</th> <th>GAUGE</th> <th>COLOR</th> <th>TERM</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>M94L</td> <td>18</td> <td>BR</td> <td>ASSY</td> </tr> <tr> <td>2</td> <td>M94M</td> <td>18</td> <td>BR</td> <td>ASSY</td> </tr> </tbody> </table>				CAV	CIR	GAUGE	COLOR	TERM	1	M94L	18	BR	ASSY	2	M94M	18	BR	ASSY	<p>BENDIX LEFT AIR ABS WHEEL SENSOR (8502A)</p> <p>CONNECTOR - 1684261C1 PLUG - 0453133C1 LOCK - 1684263C1</p> <table border="1"> <thead> <tr> <th>CAV</th> <th>CIR</th> <th>GAUGE</th> <th>COLOR</th> <th>TERM</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>M94C</td> <td>18</td> <td>GY</td> <td>1688205C1</td> </tr> <tr> <td>2</td> <td>M94D</td> <td>18</td> <td>GY</td> <td>1688205C1</td> </tr> </tbody> </table>				CAV	CIR	GAUGE	COLOR	TERM	1	M94C	18	GY	1688205C1	2	M94D	18	GY	1688205C1																								
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ONE	DATE	CHANGE	REV	REFERENCE	DESK	NAME	42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS																																																						
PEC	15JAN01	PRODUCTION RELEASE.	A	P54304U	U00EDL2																																																								
PEC	25JUN01	ADDED 8201-8502A.	B	P54634F	P52778H	DATE	PART NO.	ISSUE																																																					
						31MAY00	AE08-52376	49																																																					

Figure 191 Connector Composites (8201), (8301), (8310), (8311), (8312), (8400), (8500), (8501), (8502), (8502A)

13.50. CONNECTOR COMPOSITES (8503), (8503A), (8505), (8506), (8507), (8508), (8509), (8600), (8601), (8602), P. 50







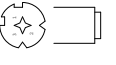



INTERNATIONAL TRUCK AND ENGINE CORPORATION				ELECTRICAL CIRCUIT DIAGRAM CHAPTER 12																																									
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<p>RIGHT HYD ABS WHEEL SENSOR (8503)</p>  <p>PURCHASED ASSEMBLY P/N 3519878C1</p> <table border="1"> <thead> <tr> <th>CAV</th> <th>CIR</th> <th>GAUGE</th> <th>COLOR</th> <th>TERM</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>M94M</td> <td>18</td> <td>BK</td> <td>ASSY</td> </tr> <tr> <td>2</td> <td>M94F</td> <td>18</td> <td>BN</td> <td>ASSY</td> </tr> </tbody> </table>				CAV	CIR	GAUGE	COLOR	TERM	1	M94M	18	BK	ASSY	2	M94F	18	BN	ASSY	<p>BENDIX RIGHT AIR ABS WHEEL SENSOR (8503A)</p>  <p>CONNECTOR - 1684261C1 PLUG - 0453130C1 LOCK - 1684263C1</p> <table border="1"> <thead> <tr> <th>CAV</th> <th>CIR</th> <th>GAUGE</th> <th>COLOR</th> <th>TERM</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>M94E</td> <td>18</td> <td>GY</td> <td>1680205C1</td> </tr> <tr> <td>2</td> <td>M94F</td> <td>18</td> <td>GY</td> <td>1680205C1</td> </tr> </tbody> </table>				CAV	CIR	GAUGE	COLOR	TERM	1	M94E	18	GY	1680205C1	2	M94F	18	GY	1680205C1								
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<p>AIR COMPRESSOR FOR HYD BRAKES (8505)</p>  <p>CONNECTOR - 1678137C1</p> <table border="1"> <thead> <tr> <th>CAV</th> <th>CIR</th> <th>GAUGE</th> <th>COLOR</th> <th>TERM</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>M9</td> <td>18</td> <td>GY</td> <td>1651943C1</td> </tr> <tr> <td>B</td> <td>M6</td> <td>18</td> <td>GY</td> <td>1651943C1</td> </tr> <tr> <td>C</td> <td>M40</td> <td>18</td> <td>GY</td> <td>1651943C1</td> </tr> </tbody> </table>				CAV	CIR	GAUGE	COLOR	TERM	A	M9	18	GY	1651943C1	B	M6	18	GY	1651943C1	C	M40	18	GY	1651943C1	<p>WABCO LEFT FRONT AIR ABS WHEEL SPEED SENSOR (8506)</p>  <p>PURCHASED ASSEMBLY P/N 3519878C1</p> <table border="1"> <thead> <tr> <th>CAV</th> <th>CIR</th> <th>GAUGE</th> <th>COLOR</th> <th>TERM</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>M94AC</td> <td>18</td> <td>BN</td> <td>ASSY</td> </tr> <tr> <td>2</td> <td>M94AD</td> <td>18</td> <td>BK</td> <td>ASSY</td> </tr> </tbody> </table>				CAV	CIR	GAUGE	COLOR	TERM	1	M94AC	18	BN	ASSY	2	M94AD	18	BK	ASSY			
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CAV	CIR	GAUGE	COLOR	TERM																																									
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<p>TEMP SENDER (8601)</p>  <p>CONNECTOR - 3522068C1 PLUG - 1687788C1 LOCK - 1661874C1</p> <table border="1"> <thead> <tr> <th>CAV</th> <th>CIR</th> <th>GAUGE</th> <th>COLOR</th> <th>TERM</th> <th>SEAL</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>M41</td> <td>18</td> <td>GY</td> <td>1661875C1</td> <td>1661872C1</td> </tr> <tr> <td>B</td> <td>M41A</td> <td>18</td> <td>GY</td> <td>1661875C1</td> <td>1661872C1</td> </tr> </tbody> </table>				CAV	CIR	GAUGE	COLOR	TERM	SEAL	A	M41	18	GY	1661875C1	1661872C1	B	M41A	18	GY	1661875C1	1661872C1	<p>A/C TRANSDUCER (8602)</p>  <p>CONNECTOR - 1678137C1</p> <table border="1"> <thead> <tr> <th>CAV</th> <th>CIR</th> <th>GAUGE</th> <th>COLOR</th> <th>TERM</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>M9</td> <td>20</td> <td>GY</td> <td>1651943C1</td> </tr> <tr> <td>B</td> <td>M6</td> <td>20</td> <td>GY</td> <td>1651943C1</td> </tr> <tr> <td>C</td> <td>M7</td> <td>20</td> <td>LT GN</td> <td>1651943C1</td> </tr> </tbody> </table>				CAV	CIR	GAUGE	COLOR	TERM	A	M9	20	GY	1651943C1	B	M6	20	GY	1651943C1	C	M7	20	LT GN	1651943C1
CAV	CIR	GAUGE	COLOR	TERM	SEAL																																								
A	M41	18	GY	1661875C1	1661872C1																																								
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CHK	DATE	CHANGE	REV	REFERENCE	DRWING	DATE	50																																						
PEC	19JAN01	PRODUCTION RELEASE.	A	P54304U	U00EDL2	42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS																																							
PEC	25JUN01	ADDED 8503-8602.	B	P54634F	P52778H	31MAY00	AE08-52376																																						

Figure 192 Connector Composites (8503), (8503A), (8505), (8506), (8507), (8508), (8509), (8600), (8601), (8602)



13.51. CONNECTOR COMPOSITES (8700), (8701), (8800), (8801), (8802), (8803), (8805), P. 51

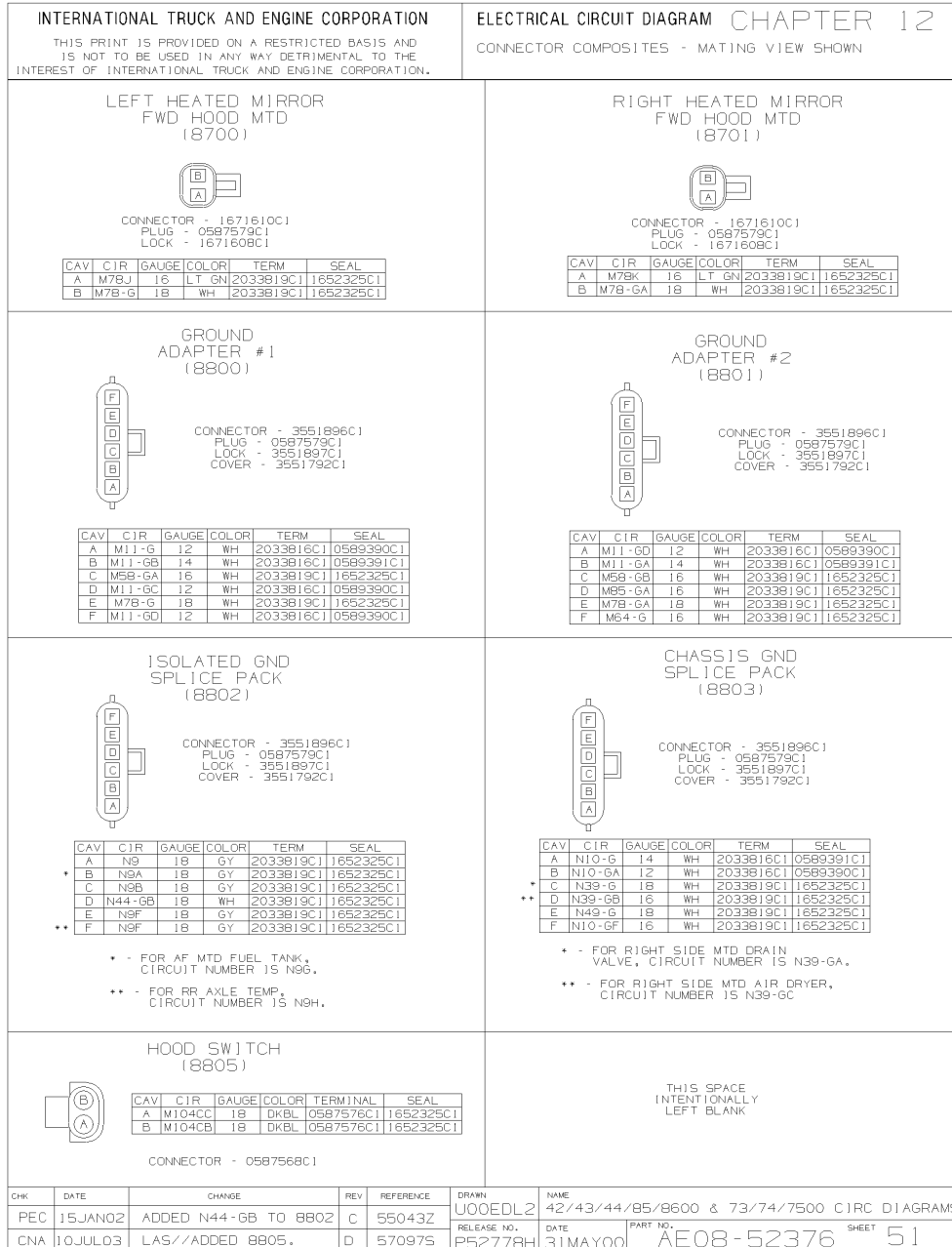


Figure 193 Connector Composites (8700), (8701), (8800), (8801), (8802), (8803), (8805)

**ELECTRICAL CIRCUIT DIAGRAM MANUAL**

**13.52. CONNECTOR COMPOSITES (9001), (9002), (9100), (9101), (9102), (9103), (9104), (9254), (9255), P. 52**



**Figure 194 Connector Composites (9001), (9002), (9100), (9101), (9102), (9103), (9104), (9254), (9255)**

13.53. CONNECTOR COMPOSITES (9260), (9261), (9262), (9263), (9264), (9265), (9303A), P. 53

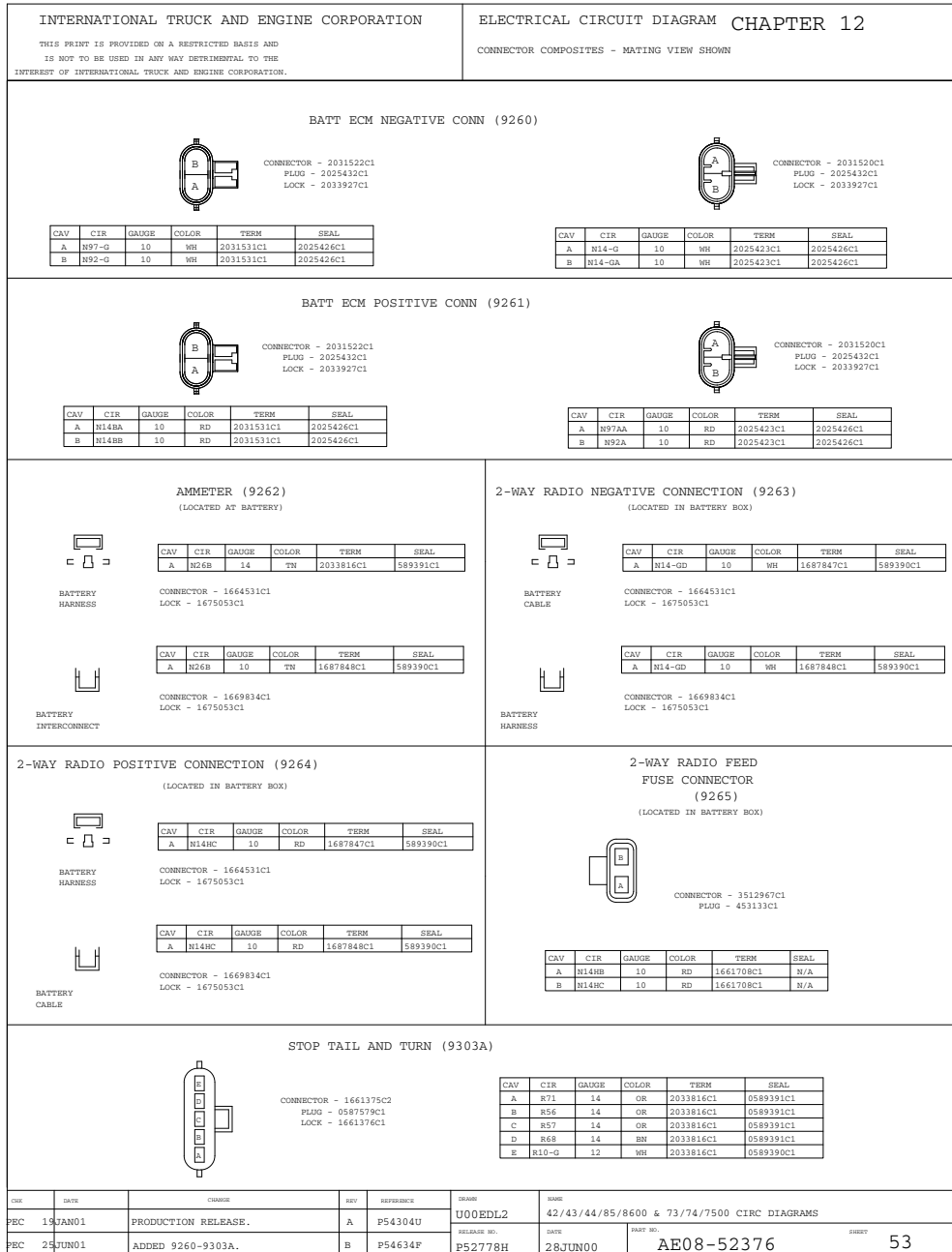


Figure 195 Connector Composites (9260), (9261), (9262), (9263), (9264), (9265), (9303A)

13.54. CONNECTOR COMPOSITES (9405), (9501), (9502), (9503), (9504), (9505), (9506), P. 54

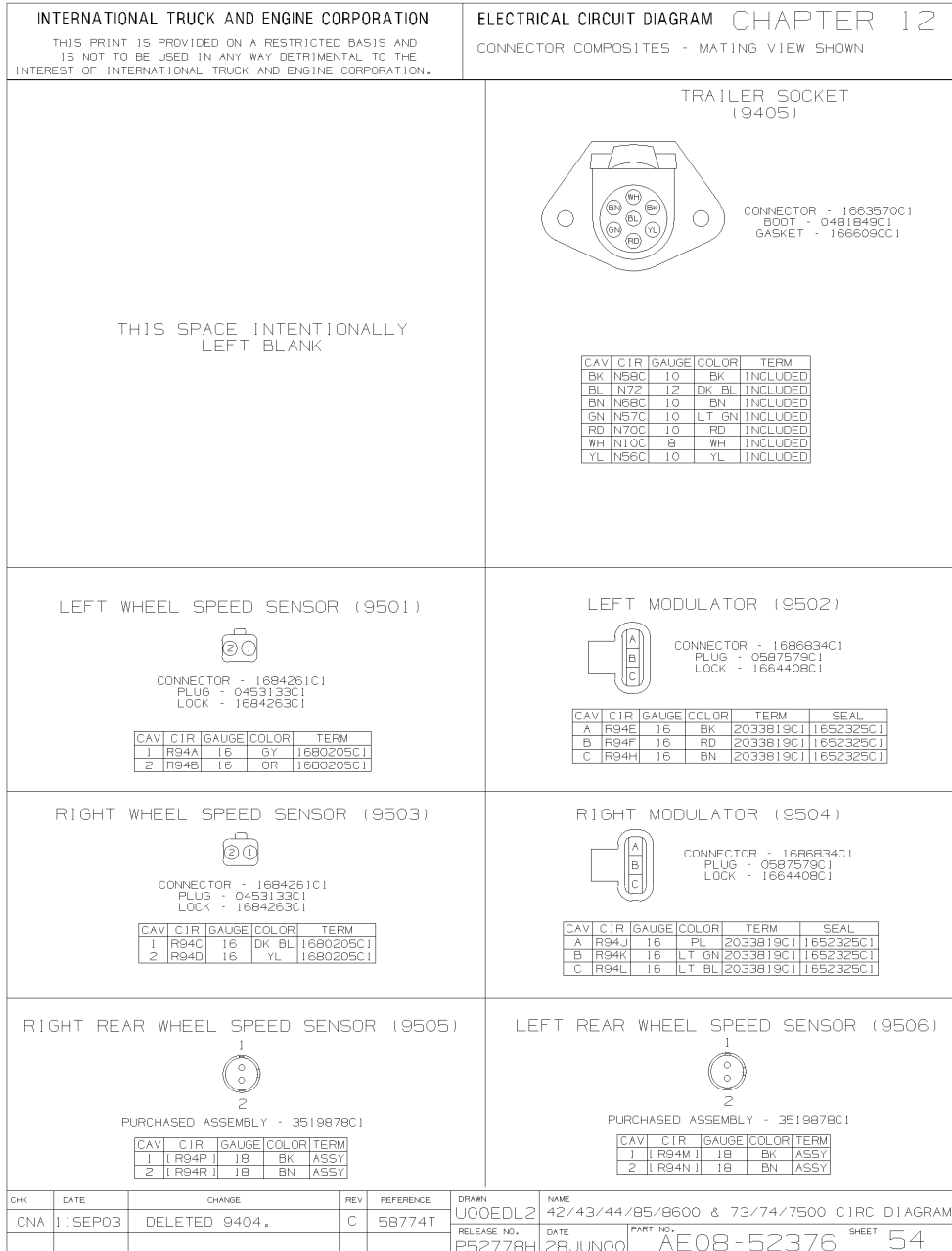


Figure 196 Connector Composites (9405), (9501), (9502), (9503), (9504), (9505), (9506)

13.55. CONNECTOR COMPOSITES (9507), (9508), (9509), (9510), (9511), (9512), (9513), (9514), (9515), P. 55

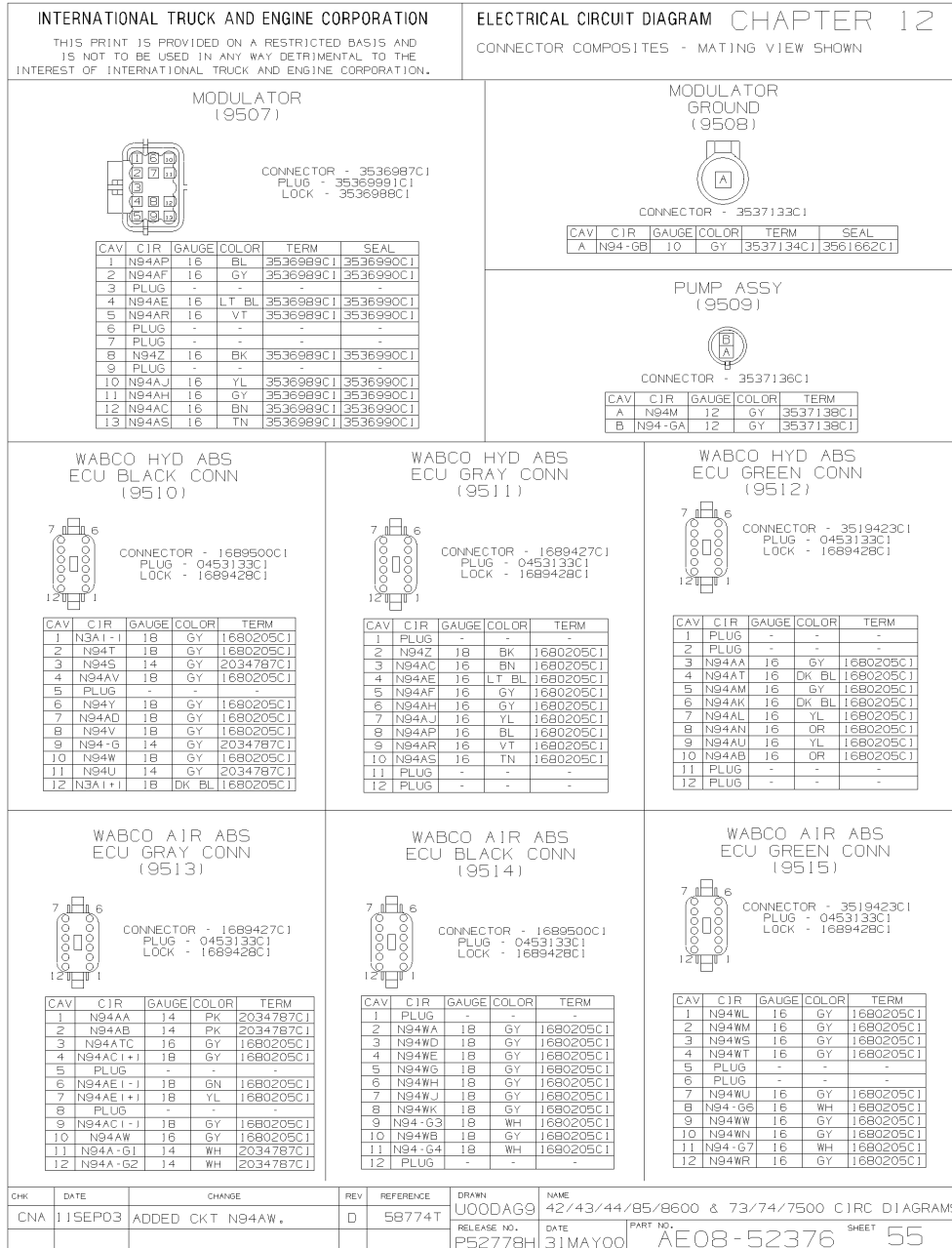


Figure 197 Connector Composites (9507), (9508), (9509), (9510), (9511), (9512), (9513), (9514), (9515)

13.56. CONNECTOR COMPOSITES (9516), (9517), (9518), (9519), P. 56

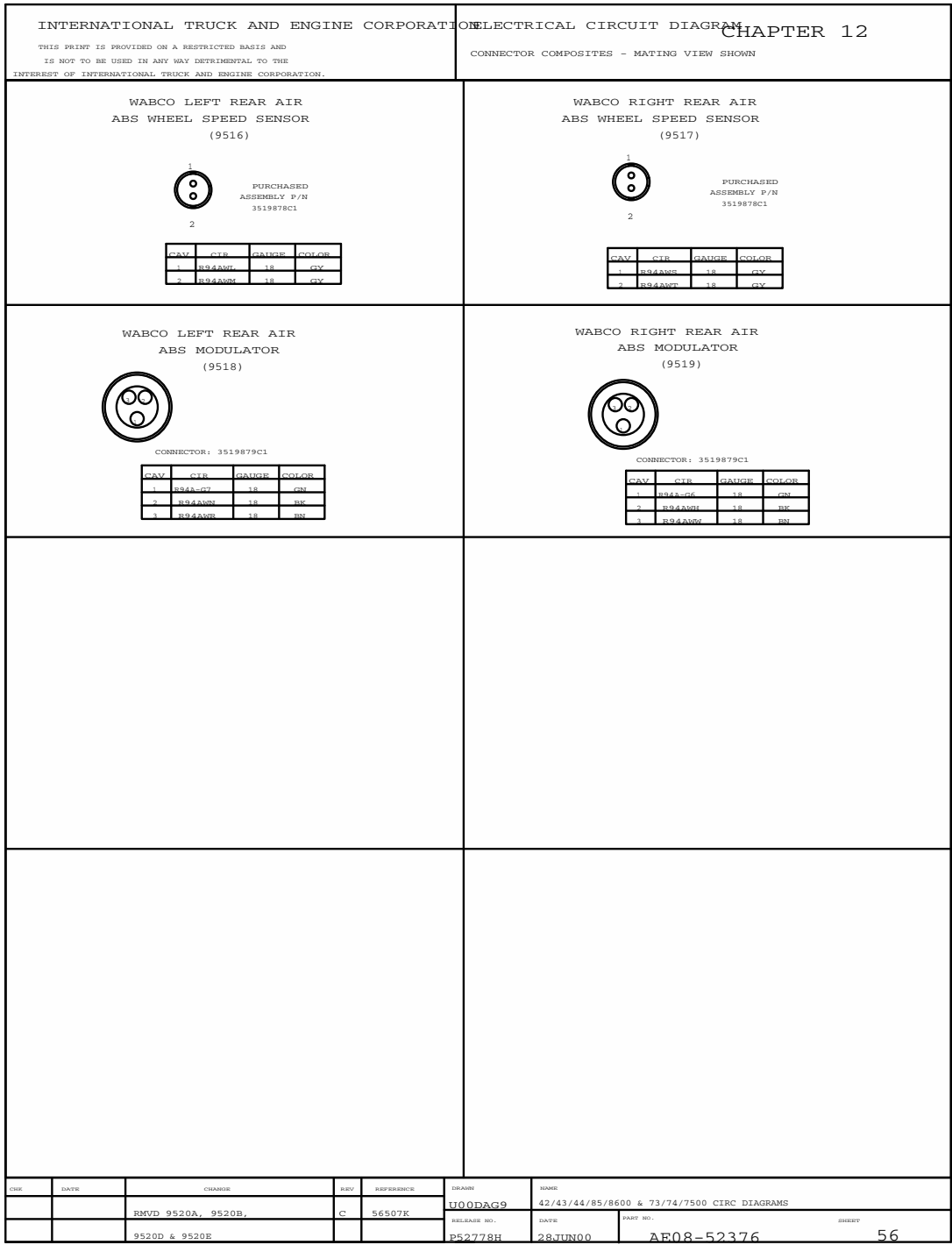


Figure 198 Connector Composites (9516), (9517), (9518), (9519)

13.57. CONNECTOR COMPOSITE (9700), P. 57

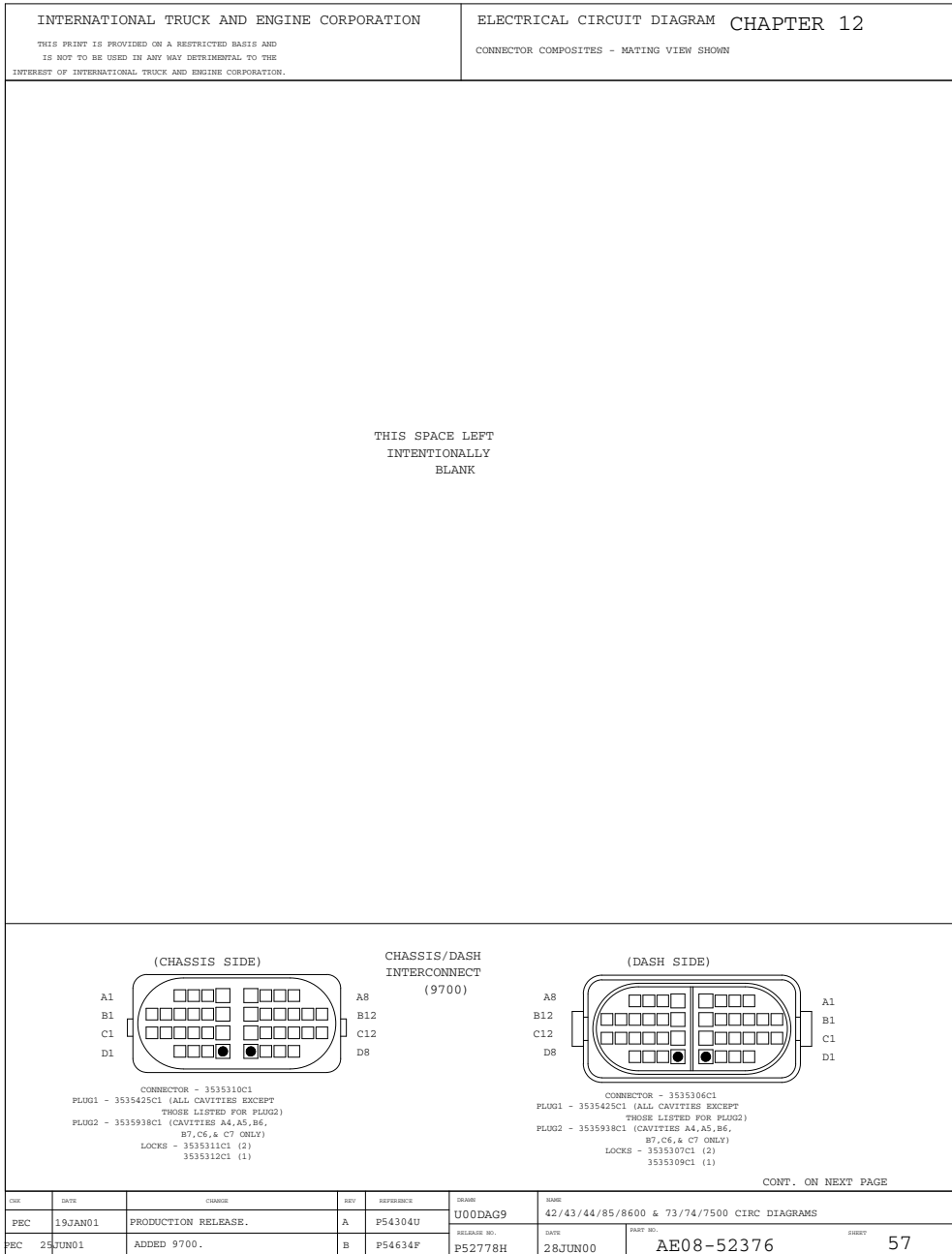


Figure 199 Connector Composite (9700)

13.58. CONNECTOR COMPOSITE (9700), P. 58

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(CHASSIS SIDE)						CHASSIS/DASH INTERCONNECT (9700)	
CONT. FROM PREVIOUS PAGE							
(DASH SIDE)							
CAV	CIR	GUAGE	COLOR	TERM	SEAL	NOTES	
A1	N32A	18	TN	3535305C1	3535424C1		
A1	N104CA	18	DK BL	3535305C1	3535424C1	W/REMOTE START/STOP	
A2	N32	18	TN	3535305C1	3535424C1		
A2	N59CA	18	GY	3535305C1	3535424C1	W/REMOTE START/STOP	
A3	N94A	16	GY	3535305C1	3535424C1	W/AIR ABS	
A3	N94AM	16	GY	3535305C1	3535424C1	W/HYD ABS	
A3	N94WJ	18	GY	3535305C1	3535310C1	W/WABCO AIR	
A4	N71	14	OR	3535934C1	3535937C1		
A5	N58	14	OR	3535934C1	3535937C1		
A6	N94B	16	OR	3535305C1	3535424C1	W/AIR ABS	
A6	N94AN	16	OR	3535305C1	3535424C1	W/HYD ABS	
A6	N94WK	18	GY	3535305C1	3535310C1	W/WABCO AIR	
A7	N94C	16	DK BL	3535305C1	3535424C1	W/AIR ABS	
A7	N94AT	16	DK BL	3535305C1	3535424C1	W/HYD ABS	
A7	N94WB	18	GY	3535305C1	3535310C1	W/WABCO AIR	
A9	N94D	16	YL	3535305C1	3535424C1	W/AIR ABS	
A9	N94AU	16	YL	3535305C1	3535424C1	W/HYD ABS	
A9	N94WH	18	GY	3535305C1	3535310C1	W/WABCO AIR	
B1	N94E	18	GY	3535305C1	3535424C1	W/AIR ABS	
B1	N94T	18	GY	3535305C1	3535424C1	W/HYD ABS	
B1	N94WA	18	GY	3535305C1	3535310C1	W/WABCO AIR	
B2	N94F	16	RD	3535305C1	3535424C1	W/AIR ABS	
B2	N94AD	18	GY	3535305C1	3535424C1	W/HYD ABS	
B2	N94-G4	18	WH	3535305C1	3535310C1	W/WABCO AIR	
B3	N94H	16	BN	3535305C1	3535424C1	W/AIR ABS	
B3	N94Y	18	GY	3535305C1	3535424C1	W/HYD ABS	
B3	N94WB	18	GY	3535305C1	3535310C1	W/WABCO AIR	
B4	N94I	16	PL	3535305C1	3535424C1	W/AIR ABS	
B4	N94WE	16	GY	3535305C1	3535310C1	W/WABCO AIR	
B5	N94V	18	LT GN	3535305C1	3535424C1	W/AIR ABS	
B5	N94V	18	GY	3535305C1	3535424C1	W/HYD ABS	
B5	N94-G3	18	WH	3535305C1	3535310C1	W/WABCO AIR	
B6	N57	14	OR	3535934C1	3535937C1		
B7	N68	14	BN	3535934C1	3535937C1		
B8	N94L	18	LT BL	3535305C1	3535424C1		
B9	N44N	18	GY	3535305C1	3535424C1		
B9	N94WD	18	GY	3535305C1	3535310C1	W/WABCO AIR	
B9	N59-GA	18	WH	3535305C1	3535310C1		
B9	N19	16	GY	3535305C1	3535424C1		
B9	N19A	16	GY	3535305C1	3535424C1		
B9	N44M	18	GY	3535305C1	3535424C1	W/AIR ABS	
B10	N59J	18	GY	3535305C1	3535424C1		
B10	N59U	18	GY	3535305C1	3535424C1		
B11	•	18	TN	3535305C1	3535424C1		
B12	••	16	GY	3535305C1	3535424C1		
C1	N59K	18	GY	3535305C1	3535424C1		
C1	N59V	18	GY	3535305C1	3535424C1		
C2	N59L	18	GY	3535305C1	3535424C1		
C2	N59W	18	GY	3535305C1	3535424C1		
C3	N94BD	16	BN	3535305C1	3535424C1	W/AIR ABS	
C3	N3A(-)	18	GY	3535305C1	3535424C1	W/HYD ABS	
C3	N94C(+)	18	GY	3535305C1	3535310C1	W/WABCO AIR	
C4	N94FE	18	YL	3535305C1	3535424C1	W/AIR ABS	
C4	N94A(+)	18	DK BL	3535305C1	3535424C1	W/HYD ABS	
C4	N94C(-)	18	GY	3535305C1	3535310C1	W/WABCO AIR	
C5	N59M	18	GY	3535305C1	3535424C1		
C5	N59X	18	GY	3535305C1	3535424C1		
C6	N10-G	14	WH	3535934C1	3535937C1		
C7	N59T	14	GY	3535934C1	3535937C1		
C8	•••	18	GY	3535305C1	3535424C1		
C9	N56J	18	OR	3535305C1	3535424C1		
C9	N37D	18	TN	3535305C1	3535424C1		
C10	••••	18	TN	3535305C1	3535424C1		
C11	PLUG	-	-	-	-		
C12	N49A	18	GY	3535305C1	3535424C1		
D1	N49B	18	GY	3535305C1	3535424C1		
D2	N97BB	18	GY	3535305C1	3535424C1		
D2	N97DB	18	GY	3535305C1	3535424C1		
D3	N97KB	18	GY	3535305C1	3535424C1		
D3	N97MB	18	GY	3535305C1	3535424C1		
D8	N97CA	18	GY	3535305C1	3535424C1		
D8	N97EA	18	GY	3535305C1	3535424C1		
D7	N71N	18	OR	3535305C1	3535424C1		
D7	N19-G	16	WH	3535305C1	3535424C1		
D7	N19-GA	16	WH	3535305C1	3535424C1		
D8	N9	18	GY	3535305C1	3535424C1		
<ul style="list-style-type: none"> <li>• - FOR LEFT SIDE MTD FUEL TANKS, CIR NUM IS N38;</li> <li>• - FOR RIGHT SIDE MTD FUEL TANKS, CIR NUM IS N38A;</li> <li>• - FOR DUAL FUEL TANKS, CIR NUM IS N38B;</li> <li>•• - FOR AF MTD FUEL TANKS, CIR NUM IS N38C;</li> <li>••• - FOR LEFT SIDE MTD AIR DRYERS, CIR NUM IS N39B;</li> <li>•••• - FOR RIGHT SIDE MTD AIR DRYERS, CIR NUM IS N39C;</li> <li>•••• - FOR LEFT SIDE MTD DRAIN VALVES, CIR NUM IS N39;</li> <li>•••• - FOR RIGHT SIDE MTD DRAIN VALVES, CIR NUM IS N39A;</li> <li>•••• - FOR SINGLE TANK, CIR NUM IS N38;</li> <li>•••• - FOR DUAL TANKS, CIR NUM IS N38H;</li> </ul>							
CHK	DATE	CHANGE		REV	REFERENCE	DRAWN	NAME
		ADDED CIRC EACH CHART		A	56507K	UOODLCK	42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS
CNA	10JUL03	LAS/MULTIPLE CHANGES		B	57097S	RELEASE NO. P54634F	DATE 14JUN01 PART NO. AE08-52376 SHEET 58

Figure 200 Connector Composite (9700)



13.59. CONNECTOR COMPOSITES (9715), (9715A), (9715B), P. 59

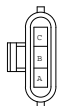
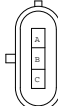
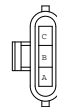
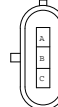
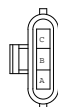
INTERNATIONAL TRUCK AND ENGINE CORPORATION THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF INTERNATIONAL TRUCK AND ENGINE CORPORATION.	ELECTRICAL CIRCUIT DIAGRAM CHAPTER 12 CONNECTOR COMPOSITES - MATING VIEW SHOWN																																																
<b>TRAILER SOCKET #1 (9715)</b>																																																	
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BOC - BACK OF CAB BOF - END OF FRAME																																																	
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Figure 201 Connector Composites (9715), (9715A), (9715B)

13.60. CONNECTOR COMPOSITES (9716), (9716A), (9716B), P. 60

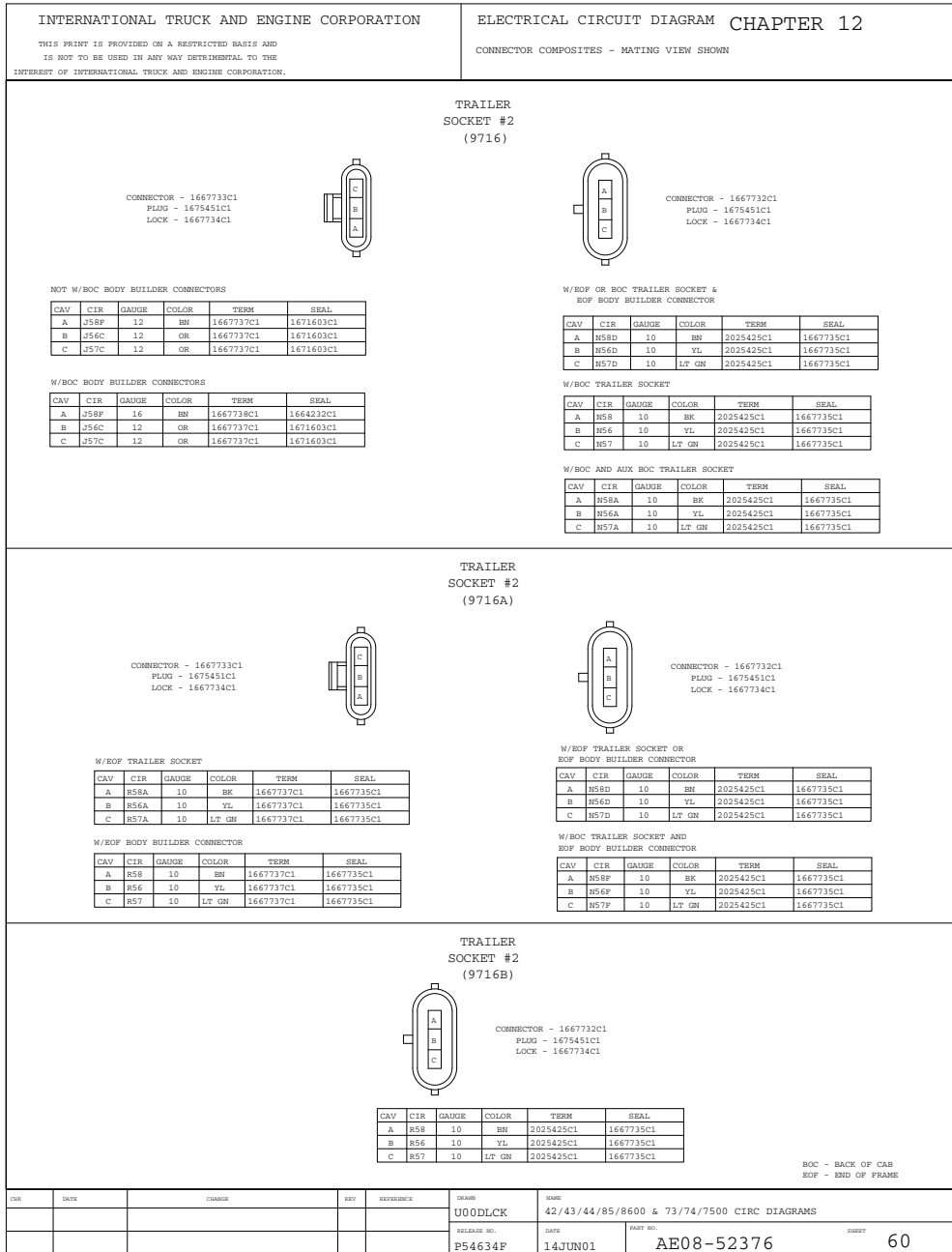


Figure 202 Connector Composites (9716), (9716A), (9716B)

13.61. CONNECTOR COMPOSITES (9717A), (9717B), P. 61

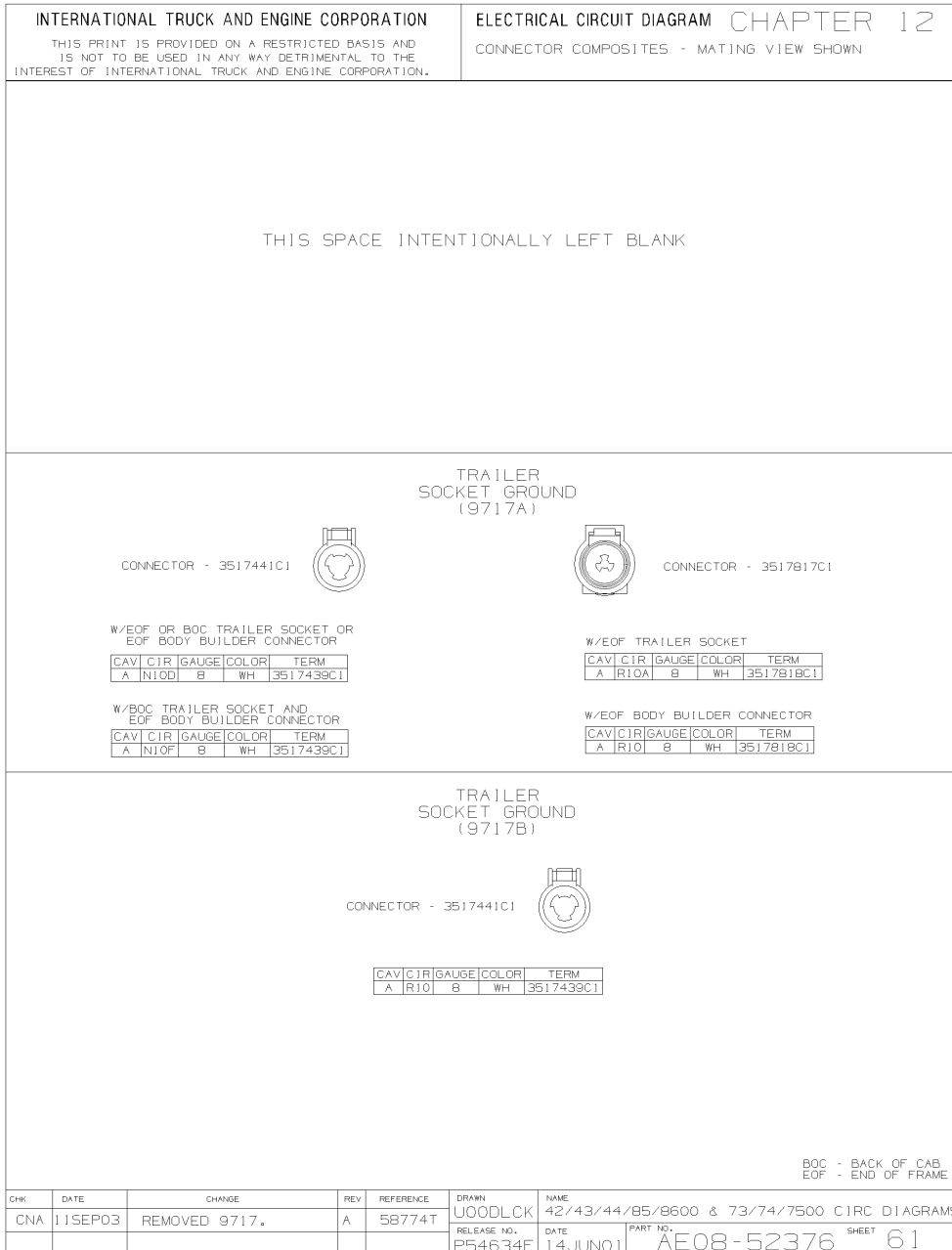
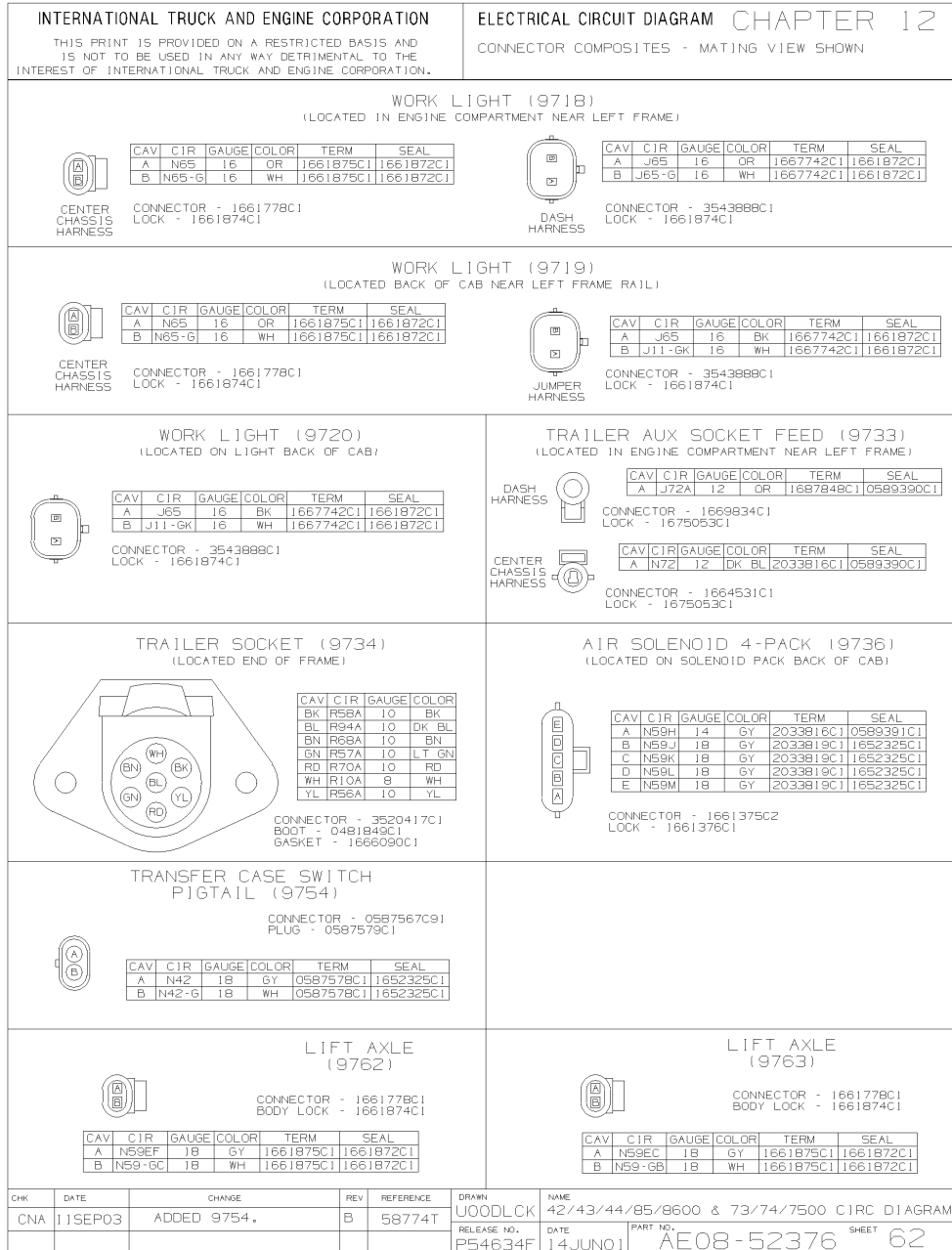


Figure 203 Connector Composites (9717A), (9717B)

**ELECTRICAL CIRCUIT DIAGRAM MANUAL**

**13.62. CONNECTOR COMPOSITES (9718), (9719), (9720), (9733), (9734), (9736), (9754), (9762), (9763), P. 62**



**Figure 204 Connector Composites (9718), (9719), (9720), (9733), (9734), (9736), (9754), (9762), (9763)**

13.63. CONNECTOR COMPOSITES (9777), (9778), (9800), P. 63

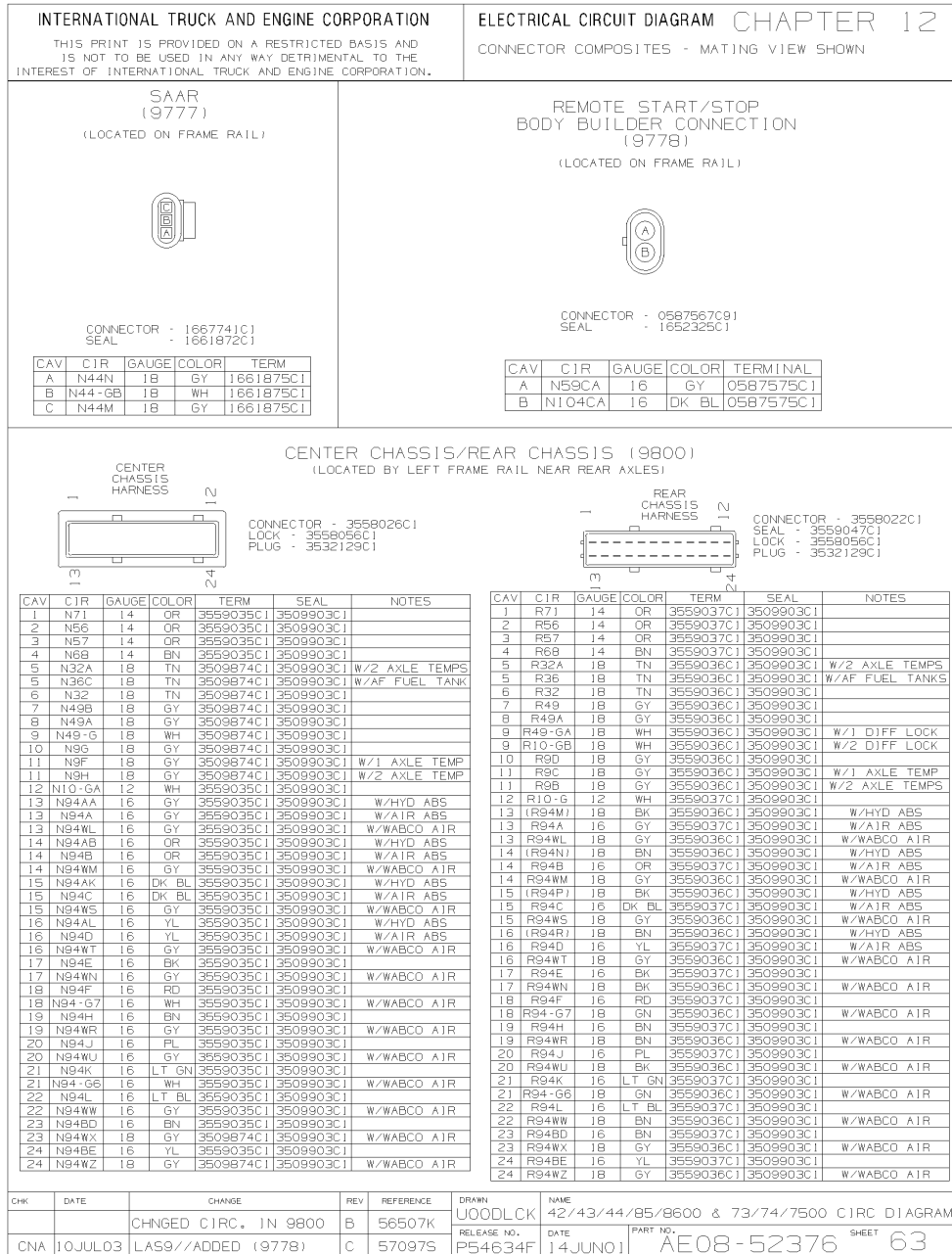


Figure 205 Connector Composites (9777), (9778), (9800)

13.64. CONNECTOR COMPOSITES (9870), (9871), (9811), (9812), (9814), (9815), (9830), (9850), (9860), (9865M), (9900), (9900A), (9913A), P. 64

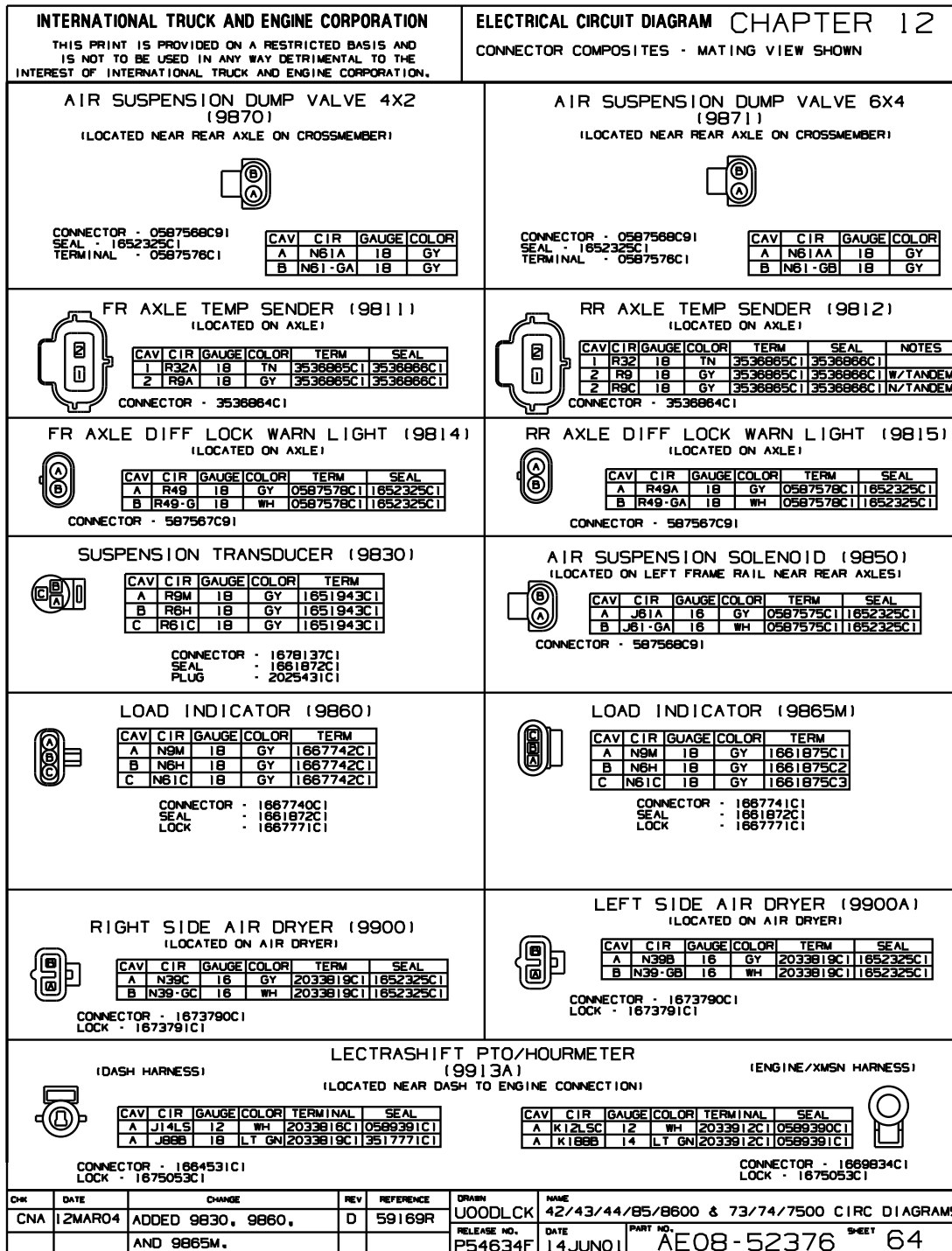


Figure 206 Connector Composites (9870), (9871), (9811), (9812), (9814), (9815), (9830), (9850), (9860), (9865M), (9900), (9900A), (9913A)

13.65. CONNECTOR COMPOSITES (9913B), (9914), (4100), (4109), (4112), (6502), (7107), (7208), (7615), P. 65

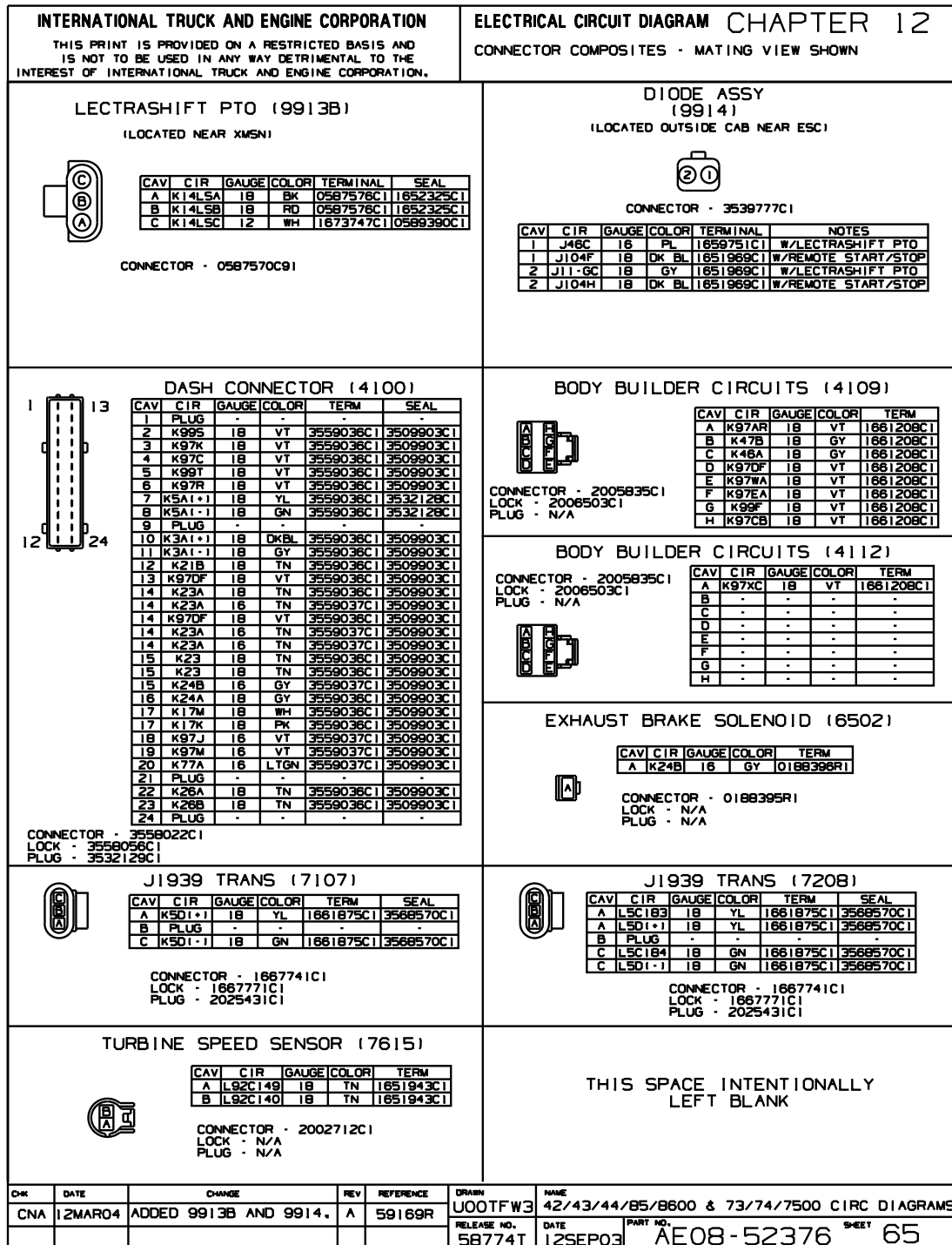


Figure 207 Connector Composites (9913B), (9914), (4100), (4109), (4112), (6502), (7107), (7208), (7615)