

SERVICE MANUAL

SERVICE MANUAL SECTION

**3200, 4100, 4300, 4400, 7300, 7400, 7500, 7600, 7700, 8500, RXT
Models Built March 1, 2007 to March 18, 2008 — ELECTRICAL CIRCUIT
DIAGRAMS**

Model: 3200

Start Date: 03/01/2007 End Date: 03/18/2008

Model: 4100

Start Date: 03/01/2007 End Date: 03/18/2008

Model: 4300

Start Date: 03/01/2007 End Date: 03/18/2008

Model: 4400

Start Date: 03/01/2007 End Date: 03/18/2008

Model: 7300

Start Date: 03/01/2007 End Date: 03/18/2008

Model: 7400

Start Date: 03/01/2007 End Date: 03/18/2008

Model: 7500

Start Date: 03/01/2007 End Date: 03/18/2008

Model: 7600

Start Date: 03/01/2007 End Date: 03/18/2008

Model: 7700

Start Date: 03/01/2007 End Date: 03/18/2008

Model: 8500

Start Date: 03/01/2007 End Date: 03/18/2008

Model: 8600

Start Date: 03/01/2007 End Date: 03/18/2008

Model: RXT

Start Date: 03/01/2007 End Date: 03/18/2008

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INTERNATIONAL TRUCK AND ENGINE CORPORATION				ELECTRICAL CIRCUIT DIAGRAM CHAPTER 2	
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.				ABBREVIATIONS	
ABBREVIATION	DESCRIPTION	ABBREVIATION	DESCRIPTION	ABBREVIATION	DESCRIPTION
ACCESS	ACCESSORY	CRUS	CRUISE	PWR	POWER
ACCUM	ACCUMULATOR	CUR	CURRENT	PRESS	PRESSURE
AC	AIR CONDITIONING	DPNL	DASHBOARD	RAD	RADIO
AIR CLNR	AIR CLEANER	DFTR	DEFLECTOR	RLY	RELAY
ALT	ALTERNATOR	DFR	DEFROSTER	RES	RESISTOR
ACCEL	ACCELERATOR	DEG	DEGREE	REGEN	REGENERATE
AFTR	AFTERTREATMENT	DIAG	DIAGRAM	R	RIGHT
AMM	AMMETER	DSL	DIESEL	RTR	ROTOR
AMP	AMPERE	DIFF	DIFFERENTIAL	SNSR	SENSOR
AMP HR	AMPERE HOUR	DIMR	DIMMER	SHLD	SHIELD
AMPL	AMPLIFIER	ELEC	ELECTRICAL	SHFT	SHIFTER
ARM	ARMATURE	ELEX	ELECTRONIC	SLPR	SLEEPER
ARSR	ARRESTER	ENG	ENGINE	SLV	SLEEVE
ASSY	ASSEMBLY	EXH	EXHAUST	SPKR	SPEAKER
AUX	AUXILIARY	FL	FLUID	SPR	SPRING
B/U	BACK-UP	FWD	FORWARD	STD	STANDARD
BTRY	BATTERY	FR	FRONT	STRG	STEERING
BM	BENCHMARKING	FREQ	FREQUENCY	STLITE	SATELLITE
BLK	BLOCK	GA	GAUGE	SUNSH	SUNSHADE
BOOS	BOOSTER	GEN	GENERATOR	SW	SWITCH
BOT	BOTTOM	GND	GROUND	SYS	SYSTEM
BK	BRAKE	HARN	HARNESS	TACH	TACHOMETER
BRKR	BREAKER	HDLP	HEADLAMP	TEMP	TEMPERATURE
BRTHR	BREATHER	HTD	HEATED	TERM	TERMINAL
BRI	BRIGHT	HT TR	HEAT TREAT	THROT	THROTTLE
BUZ	BUZZER	HTR	HEATER	THRU	THROUGH
CA	CABLE	HP	HORSEPOWER	TRAC	TRACTION
CD	CANDELA	HYD	HYDRAULIC	TRLR	TRAILER
CP	CANDLEPOWER	ID	IDENTIFICATION	XDCR	TRANSDUCER
CAP	CAPACITOR	IGN	IGNITION	XFER	TRANSFER
CAT	CATERPILLAR	ILLUM	ILLUMINATION	XFMR	TRANSFORMER
CHAS	CHASSIS	IND	INDICATOR	XSTR	TRANSISTOR
CH	CHOKE	INST	INSTRUMENT	XMSN	TRANSMISSION
CIRC	CIRCUIT	INT	INTERMITTENT	XMTR	TRANSMITTER
CLK	CLOCK	L	LEFT	TRK	TRUCK
CW	CLOCKWISE	LT	LIGHT	UPR	UPPER
CLSTR	CLUSTER	LTR	LIGHTER	VLV	VALVE
CL	CLUTCH	LWR	LOWER	VERT	VERTICAL
COL	COLUMN	MAG	MAGNET	VM	VOLTMETER
COMM	COMMUTATOR	MOD	MODULATOR	VOL	VOLUME
COMPNT	COMPONENT	MDL	MODULE	WSHR	WASHER
CPRSR	COMPRESSOR	MOT	MOTOR	WHL	WHEEL
CONN	CONNECTOR	MTD	MOUNTED	WDO	WINDOW
CONT	CONTINUE	NEG	NEGATIVE	WSHLD	WINDSHIELD
CSL	CONSOLE	N/	NOT WITH	WPR	WIPER
CONT	CONTACT	NO	NUMBER	W/	WITH
CONT	CONTROL	PASS	PASSENGER	W/O	WITHOUT
CONV	CONVERTER	POSN	POSITION		
CLR	COOLER	POS	POSITIVE		
CTSY	COURTESY	POT	POTENTIOMETER		

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
RAW6	04DEC07	DELETED AC & RR FROM	B	61000T	U00K640	CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
	ABBREVIATIONS LIST				RELEASE NO.	DATE
					59974G	12SEP06
					PART NO.	SHEET
					AE08056608	001

Figure 1 Abbreviations

2.2. ACRONYMS, P. 2

INTERNATIONAL TRUCK AND ENGINE CORPORATION		ELECTRICAL CIRCUIT DIAGRAM CHAPTER 2																																																																																																																																																																					
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INPUT SPEED SENSOR	ISS																																																																																																																																																																						
LIGHT COMMERCIAL TRANSMISSION	LCT																																																																																																																																																																						
LOW PRESSURE MODULE	LPM																																																																																																																																																																						
LOW SIDE DRIVE	LSD																																																																																																																																																																						
MEDIUM DUTY	MD																																																																																																																																																																						
MOMENTARY ENGINE IGNITION INTERRUPT RELAY	MEIIR																																																																																																																																																																						
MAJFUNCTION INDICATION LAMP	MIL																																																																																																																																																																						
MULTIPLEX SWITCH MODULE	MSM																																																																																																																																																																						
OUTPUT SPEED SENSOR	OSS																																																																																																																																																																						
PYROMETER AMMETER MODULE	PAM																																																																																																																																																																						
POWER DISTRIBUTION CENTER	PDC																																																																																																																																																																						
PROGRAMMABLE LOGIC CONTROLLER	PLC																																																																																																																																																																						
POWER TAKE-OFF	PTO																																																																																																																																																																						
PULSE WIDTH MODULATION	PWM																																																																																																																																																																						
REAR AXLE	RA																																																																																																																																																																						
RADIO FREQUENCY	RF																																																																																																																																																																						
ROLL STABILITY PROGRAM	RSP																																																																																																																																																																						
SEVERE SERVICE	SS																																																																																																																																																																						
TRANSMISSION CONTROL MODULE	TCM																																																																																																																																																																						
TERRESTRIAL COMMUNICATION UNIT	TCU																																																																																																																																																																						
TERRESTRIAL MOBILE COMMUNICATION TERMINAL	TMCT																																																																																																																																																																						
THERMAL OVERCRANK PROTECTION	TOCP																																																																																																																																																																						
THROTTLE POSITION SENSOR	TPS																																																																																																																																																																						
TURBINE SPEED SENSOR	TSS																																																																																																																																																																						
VEHICLE SPEED OUTPUT	VSO																																																																																																																																																																						
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ZERO VOLT REFERENCE	ZVR																																																																																																																																																																						
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Figure 2 Acronyms

2.3. CIRCUIT DIAGRAM INSTRUCTIONS, P. 3

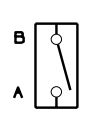
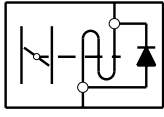
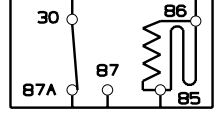
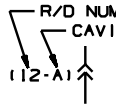
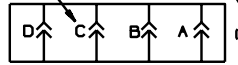


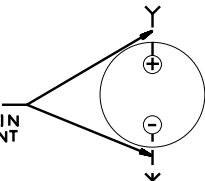
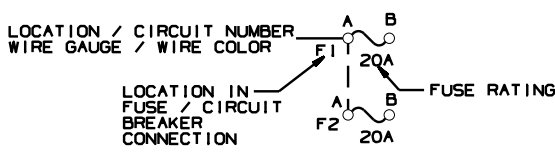
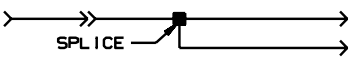
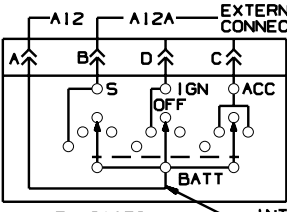
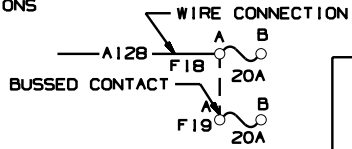
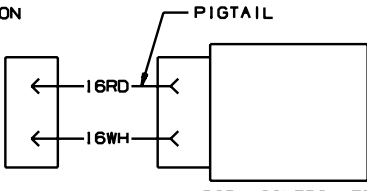

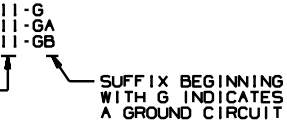
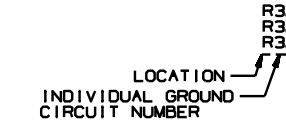
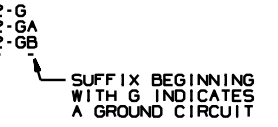
<p>INTERNATIONAL TRUCK AND ENGINE CORPORATION THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF INTERNATIONAL TRUCK AND ENGINE CORPORATION.</p>	<p>ELECTRICAL CIRCUIT DIAGRAM CHAPTER 2 CIRCUIT DIAGRAM INSTRUCTIONS</p>																																										
<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;"> <div style="text-align: center;">  <p>SWITCH, MECHANICAL</p> </div> <div style="text-align: center;">  <p>SOLENOID</p> </div> <div style="text-align: center;">  <p>RELAY - SUPPRESSED</p> </div> </div>	<p>B - MULTIPLE CONNECTIONS ARE DISPLAYED ON SCHEMATIC AS SHOWN WITH R/D NUMBER & CAVITY NUMBER. REFER TO CONNECTOR COMPOSITE FOR MORE INFORMATION</p> <div style="display: flex; justify-content: space-around;"> <div style="text-align: center;">  <p>R/D NUMBER CAVITY NUMBER</p> </div> <div style="text-align: center;">  <p>CAVITY NUMBER R/D NUMBER</p> </div> </div> <p>AND/OR</p> <div style="text-align: center;">  <p>SINGLE IN-LINE CONNECTORS DISPLAYED AS SHOWN BELOW WITHOUT R/D NUMBER</p> </div>																																										
<p>C - PHANTOM LINES INDICATE PRINTED CIRCUITS OR BUSSED CIRCUITS. THESE CIRCUITS EXIST IN THE INSTRUMENT CLUSTER 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>VOLTMETER</p> </div> <div style="text-align: center;">  <p>LOCATION / CIRCUIT NUMBER WIRE GAUGE / WIRE COLOR</p> <p>LOCATION IN FUSE / CIRCUIT BREAKER CONNECTION</p> <p>FUSE RATING</p> </div> </div>																																											
<p>D - MULTIPLE CIRCUIT NUMBERS ON A LINE INDICATE ONE CIRCUIT DISTRIBUTING CURRENT TO TWO CIRCUITS.</p> <div style="text-align: center;">  <p>SPLICE</p> </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>KEY SWITCH (1101M)</p> </div> <div style="text-align: center;">  <p>EXTERNAL WIRE CONNECTIONS</p> <p>WIRE CONNECTION</p> <p>BUSSED CONTACT</p> </div> <div style="text-align: center;">  <p>PIGTAIL</p> <p>16RD</p> <p>16WH</p> <p>BODY CONTROLLER (1602)</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. I.E.G. CIRCUIT 32 CRUISE CONTROL IS IDENTIFIED AS PER EXAMPLE)</p> <div style="display: flex; justify-content: space-around;"> <div style="text-align: center;">  <p>COMMON GROUND CIRCUIT NUMBER</p> </div> <div style="text-align: center;">  <p>SUFFIX BEGINNING WITH G INDICATES A GROUND CIRCUIT</p> </div> <div style="text-align: center;">  <p>INDIVIDUAL GROUND CIRCUIT NUMBER</p> </div> <div style="text-align: center;">  <p>SUFFIX BEGINNING WITH G INDICATES A GROUND CIRCUIT</p> </div> </div> <p style="text-align: center; margin-top: 10px;">NOTE: FOR CIRCUIT DESCRIPTION OTHER THAN GROUNDS NEITHER THE LETTER "G" NOR THE COLOR WHITE SHALL BE USED</p>																																											
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Figure 3 Circuit Diagram Instructions

2.4. CIRCUIT NUMBER IDENTIFICATION AND COLOR, P. 4

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27	TN	VOLTMETER																																																																																																																																																			
28	TN	INSTRUMENTS AND GAUGES																																																																																																																																																			
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33	TN	ENGINE OIL LEVEL																																																																																																																																																			
34	TN	COOLANT LEVEL																																																																																																																																																			
35	TN	ENGINE OIL PRESSURE																																																																																																																																																			
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37	TN	FUEL PUMP																																																																																																																																																			
38	GY	LIFT AXLE																																																																																																																																																			
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																																																																																																																																																			
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Figure 4 Circuit Number Identification and Color

2.5. CIRCUIT NUMBER IDENTIFICATION AND COLOR, P. 5

INTERNATIONAL TRUCK AND ENGINE CORPORATION		ELECTRICAL CIRCUIT DIAGRAM CHAPTER 2	
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.		CIRCUIT NUMBER IDENTIFICATION AND COLOR (CONT)	
CIRCUIT NUMBER	COLOR	DESCRIPTION	
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	
	LTGN	TURN SIGNAL LIGHTS - RIGHT (BODY BUILDER CONNECTION)	
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 LIGHTS	
66	YL	DAYTIME RUNNING LIGHTS	
67	GY	OBSTACLE AVOIDANCE / REMOTE SENSOR	
68	BN	TAIL LIGHTS	
69	BN	LICENSE PLATE LIGHT	
70	OR	STOP LIGHTS	
	RD	STOP LIGHTS (BODY BUILDER CONNECTION)	
71	OR	BACK-UP LIGHTS	
	LTBL	BACK-UP LIGHTS (BODY BUILDER CONNECTION)	
72	OR	TRAILER AUXILIARY FEED - BATTERY	
73	LTGN	PWM	
74	LTGN	HEATER RECIRCULATION 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	
82	GY	WINDSHIELD WIPER	
83	LTGN	POWER WINDOWS	
84	LTGN	CIGAR LIGHTER	
85	GY	HORN	

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
RAW6	04DEC07	REVISED AND REDRAWN	B	61000T	U00K640	CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
					RELEASE NO.	DATE
					59974G	12SEP06
						PART NO.
						AE08056608
						SHEET
						005

Figure 5 Circuit Number Identification and Color (Cont.)

2.6. CIRCUIT NUMBER IDENTIFICATION AND COLOR, P. 6

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 2 CIRCUIT NUMBER IDENTIFICATION AND COLOR (CONT)																																																																																																																													
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%;">CIRCUIT NUMBER</th> <th style="width: 15%;">COLOR</th> <th style="width: 70%;">DESCRIPTION</th> </tr> </thead> <tbody> <tr><td>86</td><td>LTGN</td><td>RADIO - ENTERTAINMENT</td></tr> <tr><td>87</td><td>GY</td><td>WINDSHIELD WASHER</td></tr> <tr><td>88</td><td>LTGN</td><td>CLOCK / HOURMETER</td></tr> <tr><td>89</td><td>VT</td><td>AIR BAG</td></tr> <tr><td>90</td><td>GY</td><td>HYDRAULIC BRAKE PUMP</td></tr> <tr><td>91</td><td>VT</td><td>INTERCOMMUNICATIONS</td></tr> <tr><td>92</td><td>TN</td><td>TRANSMISSION CONTROLS - ELECTRONIC</td></tr> <tr><td>93</td><td>TN</td><td>AXLE SHIFT CONTROL</td></tr> <tr><td>94</td><td>GY</td><td>ANTILOCK BRAKE SYSTEM</td></tr> <tr><td>95</td><td>TN</td><td>EXHAUST EMISSION</td></tr> <tr><td>96</td><td>YL</td><td>SNOW PLOW LIGHTS / CRUISE CONTROLS</td></tr> <tr><td>97</td><td>VT</td><td>ENGINE CONTROLS - ELECTRONIC</td></tr> <tr><td>98</td><td>BK</td><td>DATALINK AND DIAGNOSTICS</td></tr> <tr><td>99</td><td>VT</td><td>ACCELERATOR POSITION SENSOR (APS)</td></tr> <tr><td>100</td><td>GY</td><td>AIR HORN (ELECTRIC SOLENOID ACTUATED)</td></tr> <tr><td>101</td><td>TN</td><td>BRAKE APPLICATION AIR</td></tr> <tr><td>102</td><td>YL</td><td>FLASH TO PASS</td></tr> <tr><td>103</td><td>LTGN</td><td>BODY BUILDER AUXILIARY FEED</td></tr> <tr><td>104</td><td>DKBL</td><td>REMOTE START / STOP</td></tr> <tr><td>105</td><td>LTGN</td><td>HEATED SEATS</td></tr> <tr><td>106</td><td>OR</td><td>HIGH VOLTAGE ALTERNATOR AC CHARGE</td></tr> <tr><td>107</td><td>GY</td><td>INSTRUMENT CLUSTER ELECTRONIC FEED (5V)</td></tr> <tr><td>108</td><td>GY</td><td>BRAKE PAD WEAR SENSOR</td></tr> <tr><td>109</td><td>GY</td><td>SLACK ADJUSTER</td></tr> <tr><td>110</td><td>GY</td><td>INSTRUMENT CLUSTER ELECTRONIC GROUND</td></tr> <tr><td>111</td><td>TN</td><td>FUEL FILTER RESTRICTION TRANSDUCERS</td></tr> <tr><td>112</td><td>GY</td><td>LIFT GATE</td></tr> </tbody> </table> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%;">PREFIX</th> <th style="width: 85%;">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 REAR CROSS MEMBER)</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> <tr><td>T</td><td>TRAVEL DOORS</td></tr> <tr><td>U</td><td>HOOD MTD HEADLIGHTS / MARKER LIGHTS</td></tr> <tr><td>V</td><td>SLEEPER ROOF / BACK PANEL WIRING</td></tr> <tr><td>W</td><td>WARDROBE CABINET WIRING</td></tr> </tbody> </table>				CIRCUIT NUMBER	COLOR	DESCRIPTION	86	LTGN	RADIO - ENTERTAINMENT	87	GY	WINDSHIELD WASHER	88	LTGN	CLOCK / HOURMETER	89	VT	AIR BAG	90	GY	HYDRAULIC BRAKE PUMP	91	VT	INTERCOMMUNICATIONS	92	TN	TRANSMISSION CONTROLS - ELECTRONIC	93	TN	AXLE SHIFT CONTROL	94	GY	ANTILOCK BRAKE SYSTEM	95	TN	EXHAUST EMISSION	96	YL	SNOW PLOW LIGHTS / CRUISE CONTROLS	97	VT	ENGINE CONTROLS - ELECTRONIC	98	BK	DATALINK AND DIAGNOSTICS	99	VT	ACCELERATOR POSITION SENSOR (APS)	100	GY	AIR HORN (ELECTRIC SOLENOID ACTUATED)	101	TN	BRAKE APPLICATION AIR	102	YL	FLASH TO PASS	103	LTGN	BODY BUILDER AUXILIARY FEED	104	DKBL	REMOTE START / STOP	105	LTGN	HEATED SEATS	106	OR	HIGH VOLTAGE ALTERNATOR AC CHARGE	107	GY	INSTRUMENT CLUSTER ELECTRONIC FEED (5V)	108	GY	BRAKE PAD WEAR SENSOR	109	GY	SLACK ADJUSTER	110	GY	INSTRUMENT CLUSTER ELECTRONIC GROUND	111	TN	FUEL FILTER RESTRICTION TRANSDUCERS	112	GY	LIFT GATE	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 REAR CROSS MEMBER)	P	CHASSIS - WHEEL BASE SECTION	R	CHASSIS - SUSPENSION / REAR AXLE / AXLES	S	CHASSIS - AF SECTION / STOP / TAIL / TURN LIGHTS	T	TRAVEL DOORS	U	HOOD MTD HEADLIGHTS / MARKER LIGHTS	V	SLEEPER ROOF / BACK PANEL WIRING	W	WARDROBE CABINET WIRING
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Figure 6 Circuit Number Identification and Color (Cont.)

2.7. LAMP BULB CHART, P. 7

INTERNATIONAL TRUCK AND ENGINE CORPORATION				ELECTRICAL CIRCUIT DIAGRAM		CHAPTER 2																																								
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Figure 7 Lamp Bulb Chart

2.8. RELAY FUNCTION AND WIRING GUIDE, P. 8

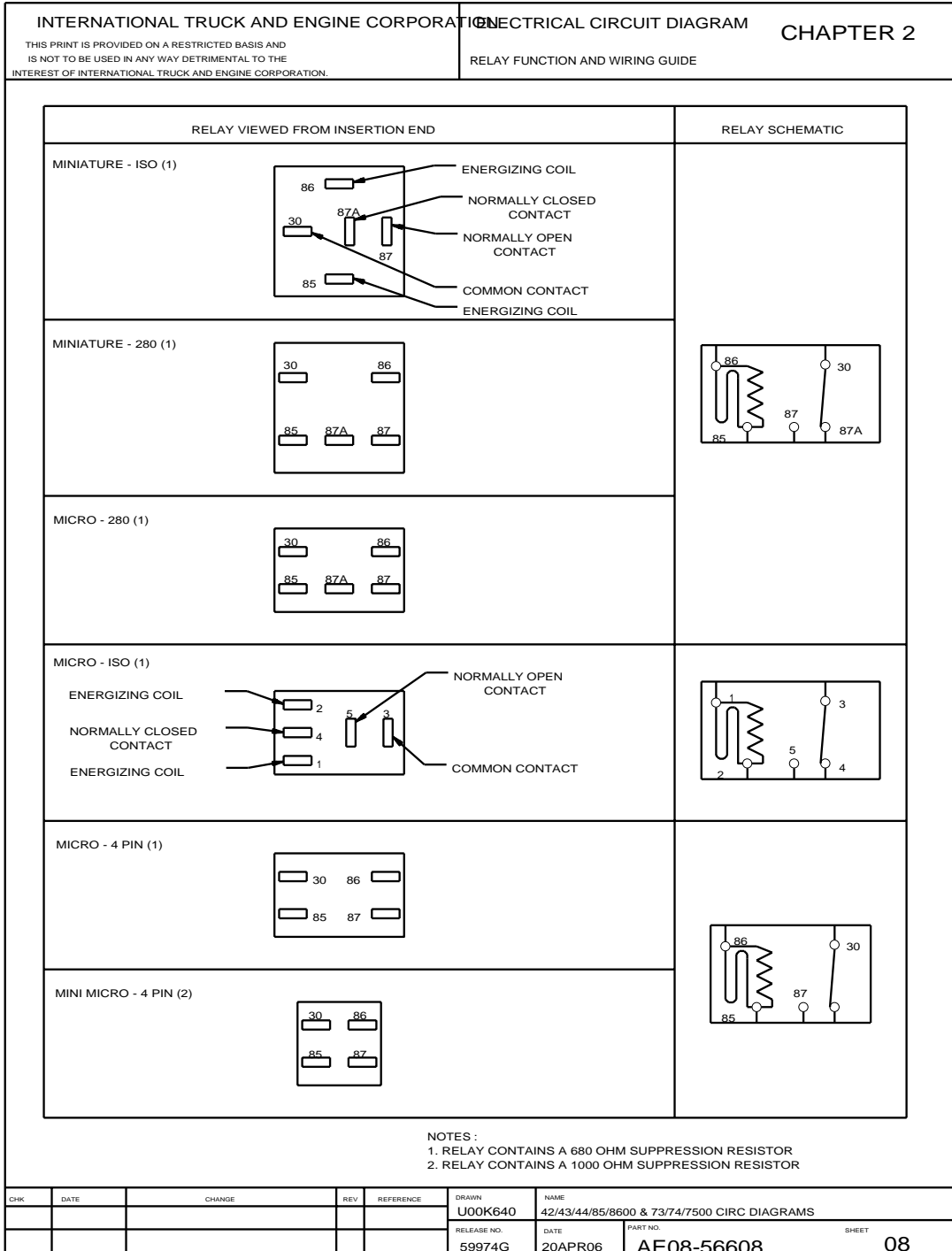



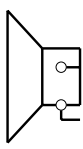
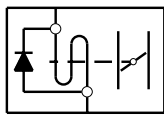
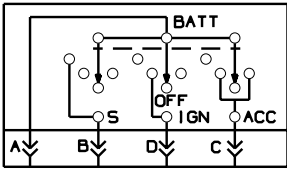

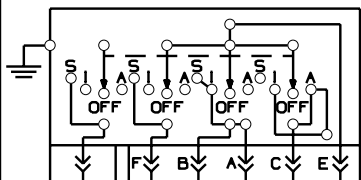

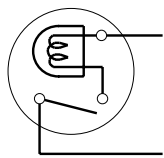

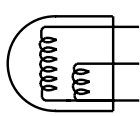
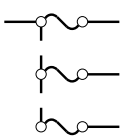


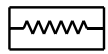
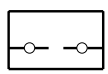
Figure 8 Relay Function and Wiring Guide

2.9. SCHEMATIC SYMBOL CHART, P. 9

INTERNATIONAL TRUCK AND ENGINE CORPORATION				ELECTRICAL CIRCUIT DIAGRAM CHAPTER 2			
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.				SCHEMATIC SYMBOL CHART			
		ACCEL PEDAL POSN SENSOR				AMMETER	
		ACCEL PEDAL POSN SENSOR				BATTERY	
		AIR DRYER				BLUNT CUT CIRCUIT	
		ALARM				BUSBAR	
		ALTERNATOR				CIGAR LIGHTER	
		ALARM				CIRCUIT BREAKER	
		ALTERNATOR				DIODE	

Figure 9 Schematic Symbol Chart

2.10. SCHEMATIC SYMBOL CHART, P. 10

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 2 SCHEMATIC SYMBOL CHART (CONT)	
	DIODE, LIGHT EMITTING		HORN		
	FAN SOLENOID		KEY SWITCH		
	FEMALE TERMINAL		KEY SWITCH, COMPLEX		
	FUSE		LIGHT W/ SWITCH		
	FUSIBLE LINK		LIGHT, DOUBLE FILAMENT		
	FUSES W/ BUSBAR		LIGHT, SINGLE FILAMENT		
	GROUND N/ STUD				
	HEATER				
	HOLDER, FUSE W/ BUSBAR				

CHR	DATE	CHANGE	REV	REFERENCE	DASH	NAME
CNA	0MAY07	REVISED & REDRAWN	A	60782A	U00K640	42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS
					RELEASE NO.	DATE
					59974G	12SEP06
					PART NO.	SHEET
					AE08-56608	10

Figure 10 Schematic Symbol Chart (Cont.)

2.11. SCHEMATIC SYMBOL CHART, P. 11

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 2 SCHEMATIC SYMBOL CHART (CONT.)																																											
SYMBOL		DESCRIPTION		SYMBOL																																											
		MALE TERMINAL			RESISTOR																																										
		MOTOR			SENDER - FUEL, OIL, TEMP, WATER																																										
		PASS THRU CONNECTION			SENSOR, PRESSURE, ABS 6																																										
		PRESSURE SWITCH			SENSOR, MAGNETIC																																										
		RELAY, FIVE TERMINAL			SENSOR, YAW																																										
		RELAY, FOUR TERMINAL			SOLENOID																																										
		RELAY, LATCHING			SOLENOID W/ DIODE																																										
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 10%;">CHR</th> <th style="width: 10%;">DATE</th> <th style="width: 20%;">CHANGE</th> <th style="width: 10%;">REV</th> <th style="width: 10%;">REFERENCE</th> <th style="width: 10%;">DRAWN</th> <th style="width: 30%;">NAME</th> </tr> <tr> <td>CNA</td> <td>9MAY07</td> <td>REVISED & REDRAWN</td> <td>A</td> <td>60782A</td> <td>U00K640</td> <td>42/43/44/85/8600 & 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>59974G</td> <td>20APR06</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td>PART NO.</td> <td>SHEET</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td>AE08-56608</td> <td>11</td> </tr> </table>	CHR	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME	CNA	9MAY07	REVISED & REDRAWN	A	60782A	U00K640	42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS						RELEASE NO.	DATE						59974G	20APR06						PART NO.	SHEET						AE08-56608	11					
CHR	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME																																									
CNA	9MAY07	REVISED & REDRAWN	A	60782A	U00K640	42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS																																									
					RELEASE NO.	DATE																																									
					59974G	20APR06																																									
					PART NO.	SHEET																																									
					AE08-56608	11																																									

Figure 11 Schematic Symbol Chart (Cont.)

2.12. SCHEMATIC SYMBOL CHART, P.12

INTERNATIONAL TRUCK AND ENGINE CORPORATION				ELECTRICAL CIRCUIT DIAGRAM CHAPTER 2			
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.				SCHEMATIC SYMBOL CHART (CONT)			
SYMBOL		DESCRIPTION		SYMBOL		DESCRIPTION	
		SPEAKER				SWITCH, PUSH BUTTON	
		SPLICE				TERMINATING RESISTOR	
		STUD				THERMISTOR	
		START MOTOR W/ TOCP				THERMOSTAT	
		SWITCH, MECHANICAL (NORMALLY OPEN)				VALVE, ETHER BOTTLE	
		SWITCH, MECHANICAL (NORMALLY CLOSED)				VALVE, MODULATOR	
CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME	
RAW6	04DEC07	REVISED START MOTOR	B	61000T	U00K640	CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500	
	SYMBOL				RELEASE NO.	DATE	PART NO. SHEET
					59974G	20APR06	AE08056608 012

Figure 12 Schematic Symbol Chart (Cont.)

3. 12 VOLT POWER DISTRIBUTION, GROUNDS, DATA BUS AND ELECTRICAL SYSTEM CONTROLLER (CHAPTER 3)

3.1. BATTERY FEED, P. 1

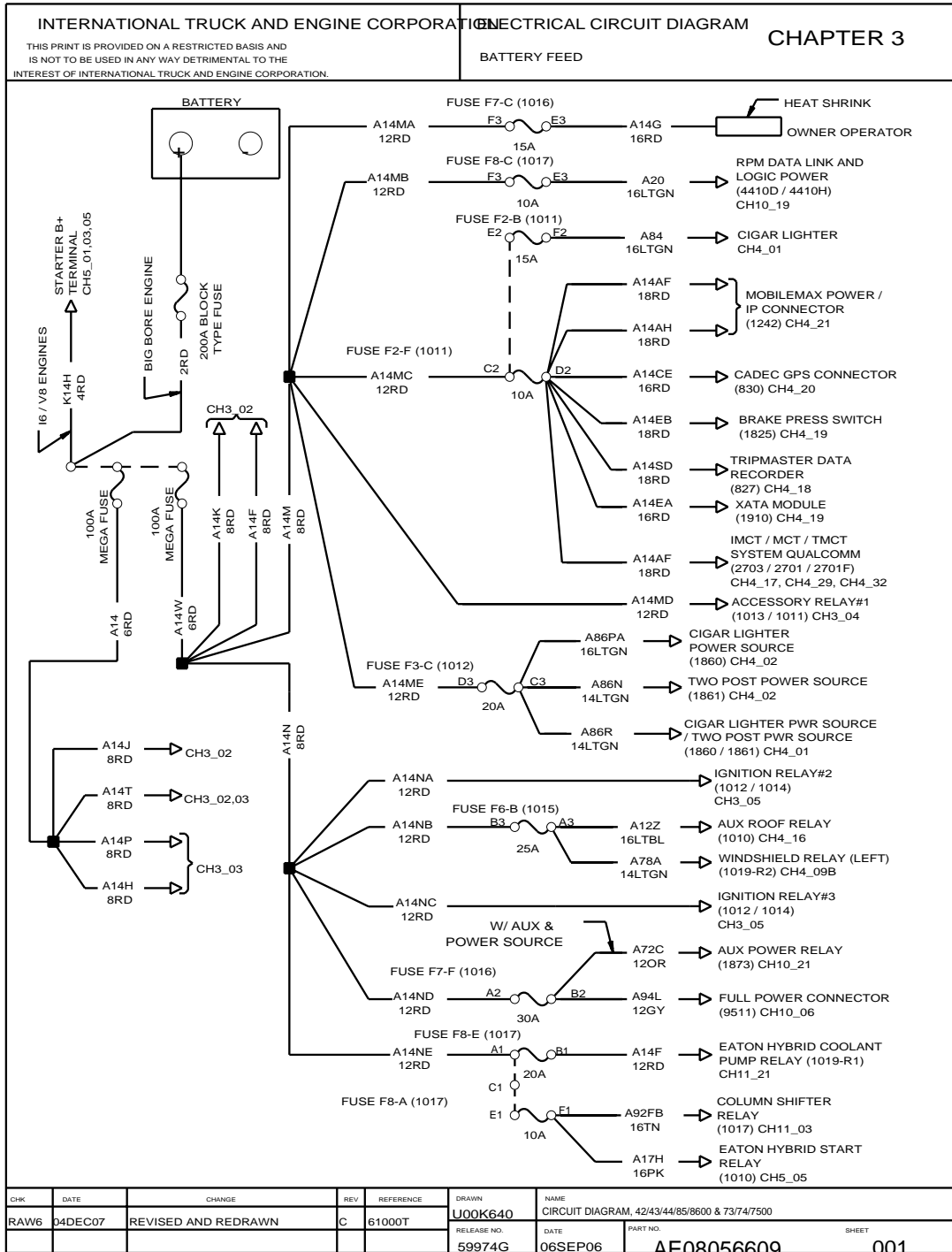


Figure 13 Battery Feed

3.2. BATTERY FEED, P. 2

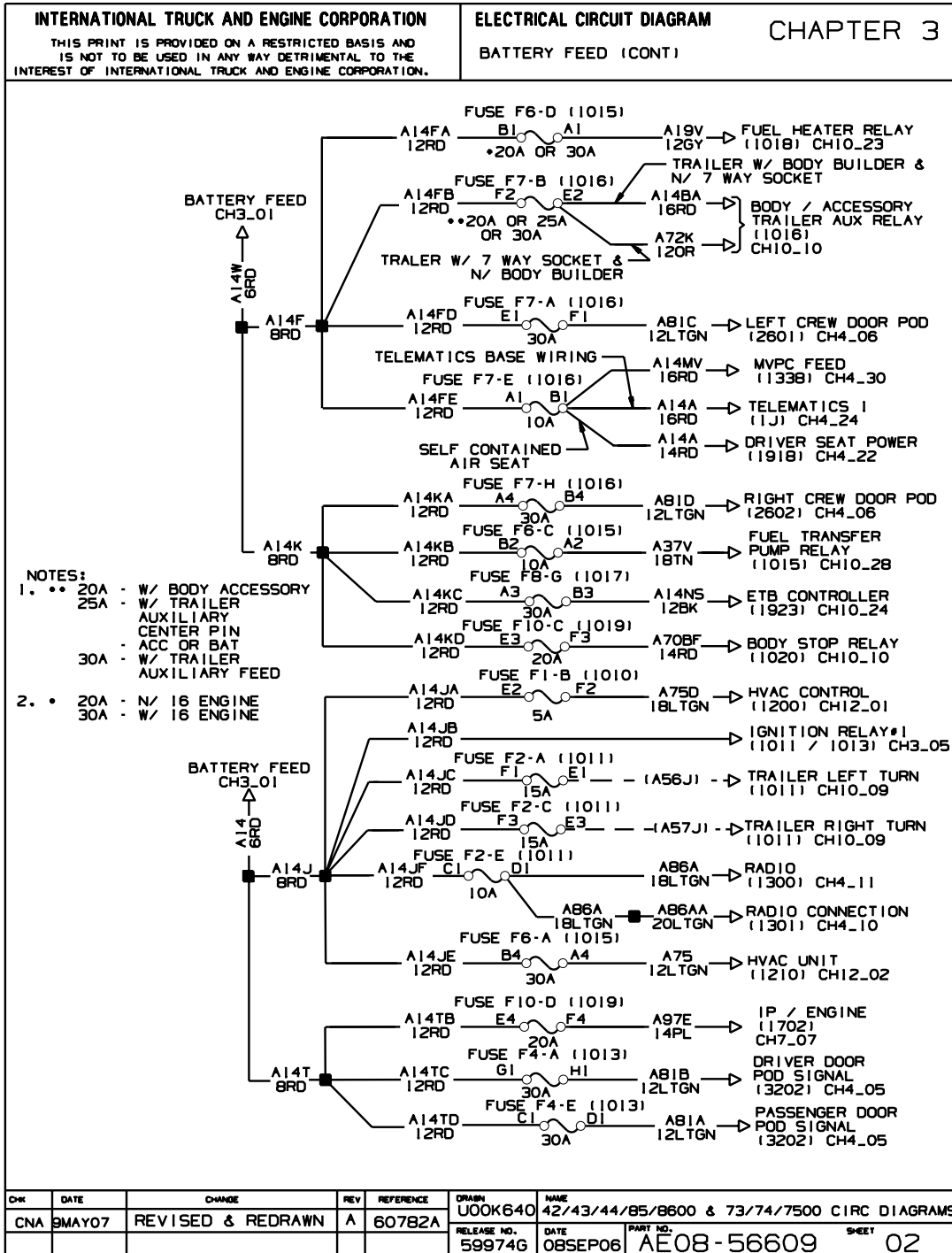


Figure 14 Battery Feeds (Cont.)

3.3. BATTERY FEED, P. 3

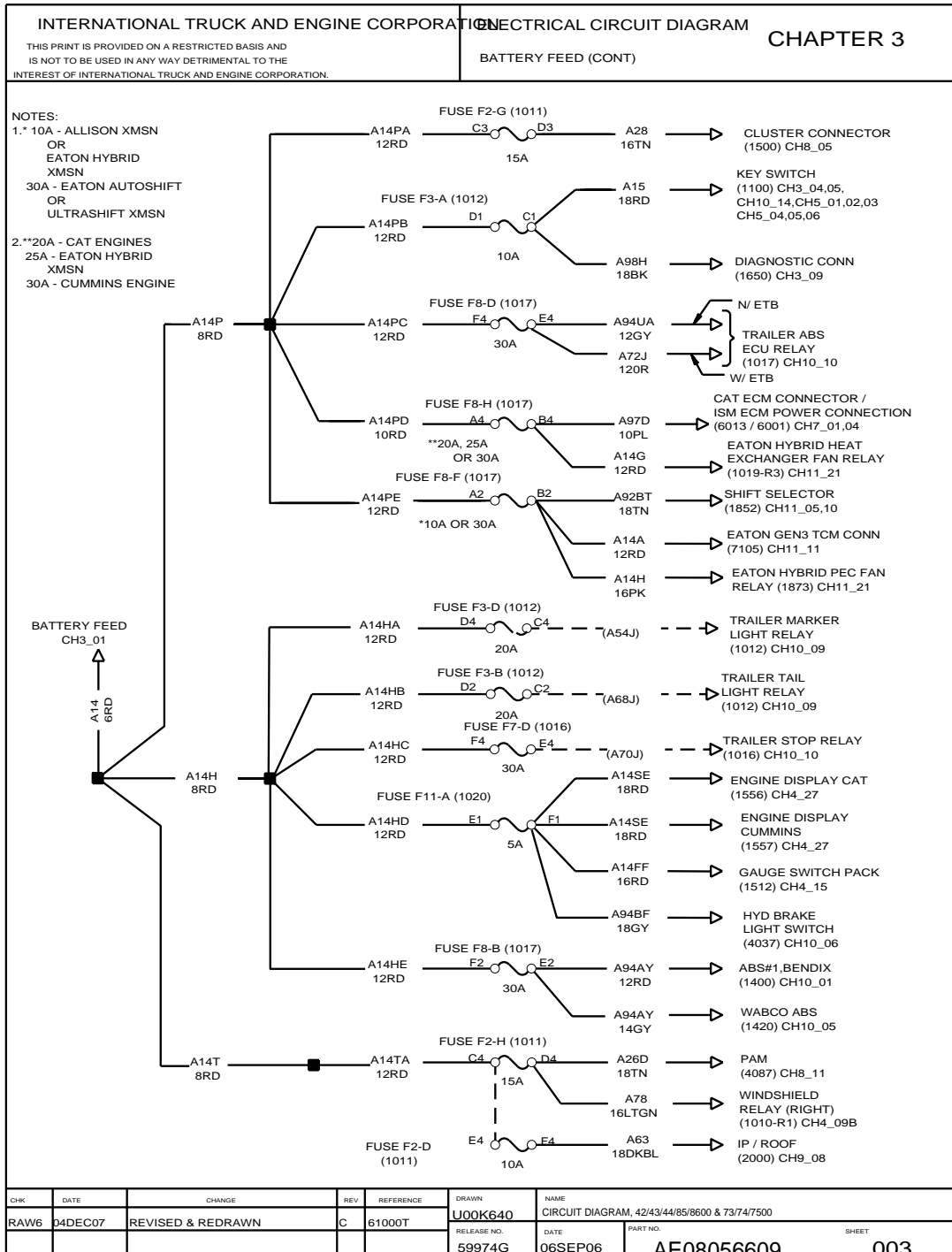


Figure 15 Battery Feed (Cont.)

3.4. ACCESSORY FEED, P. 4

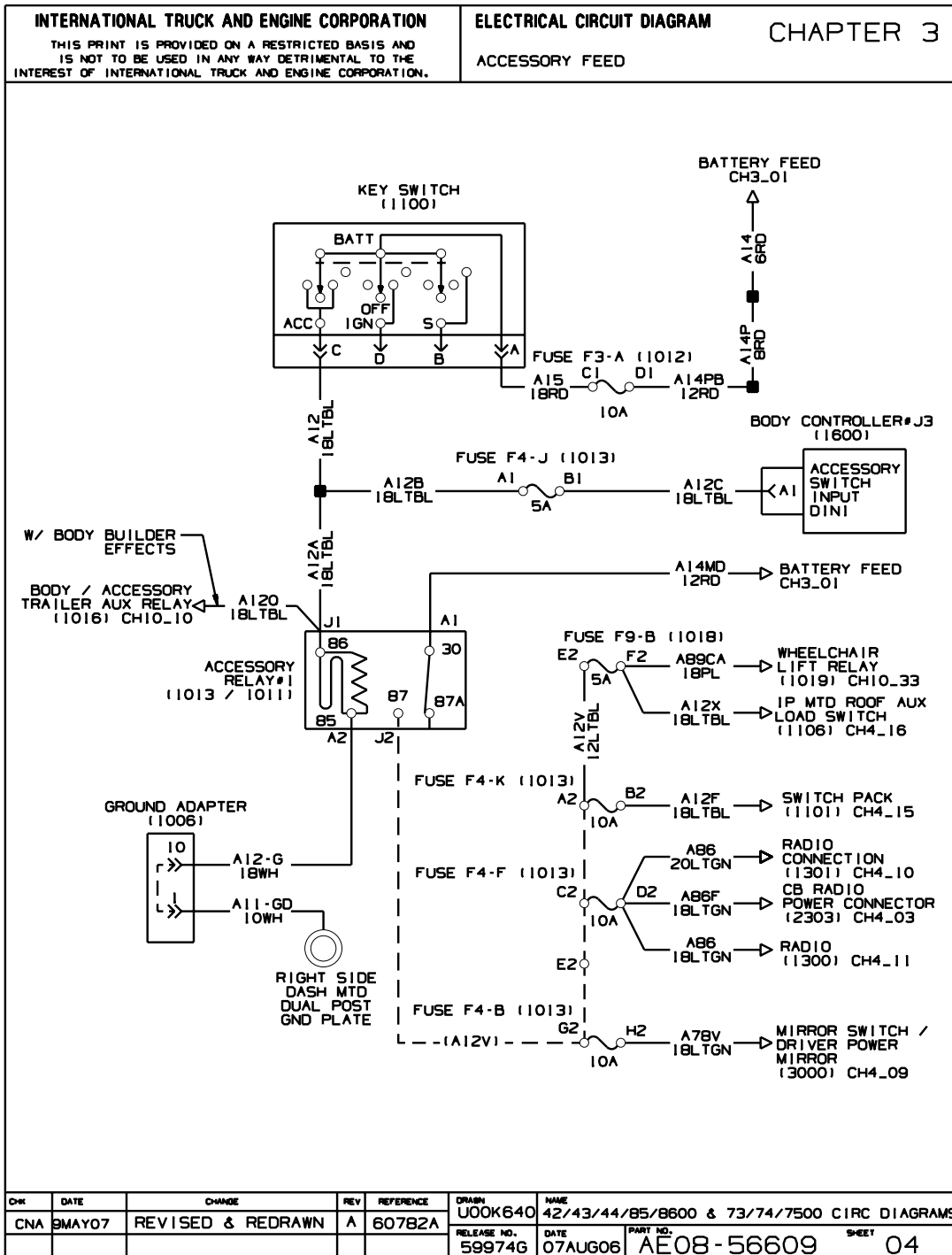


Figure 16 Accessory Feed

3.5. IGNITION FEED — STANDARD, THEFT DETERRENT, REMOTE START/STOP, P. 5

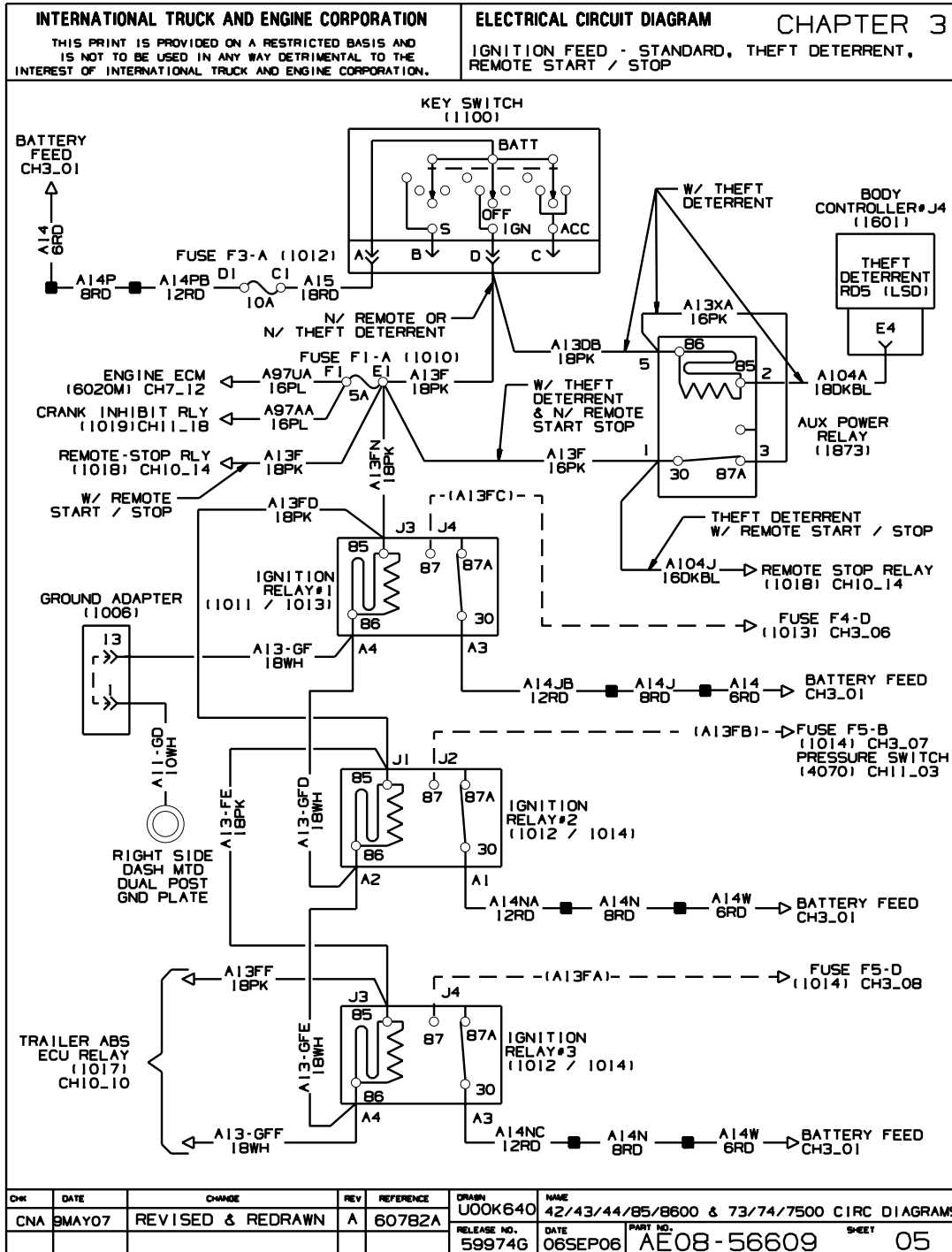


Figure 17 Ignition Feed — Standard, Theft Deterrent, Remote Start/Stop

3.6. IGNITION FEED RELAY 1, P. 6

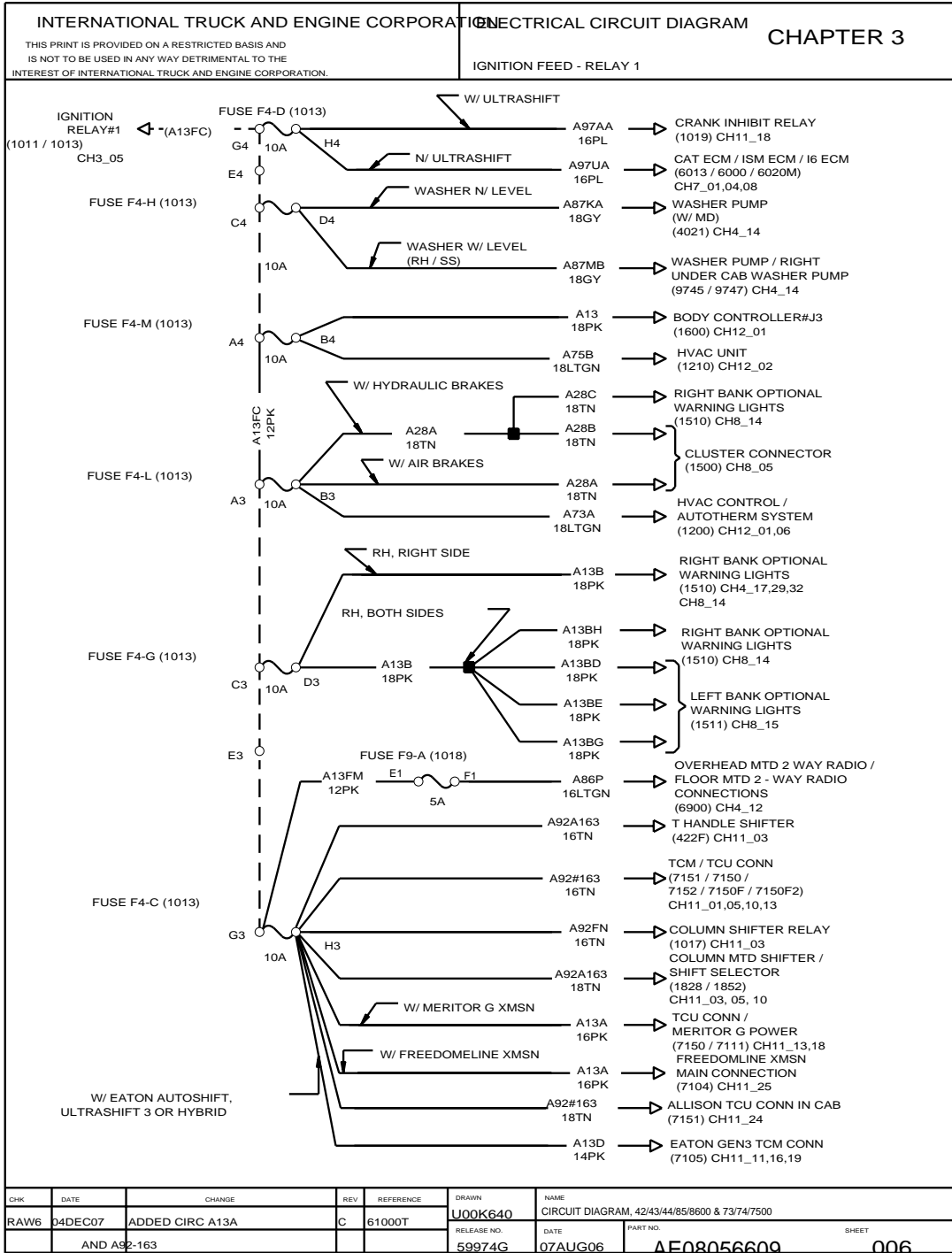


Figure 18 Ignition Feed Relay 1

3.7. IGNITION FEED RELAY 2, P. 7

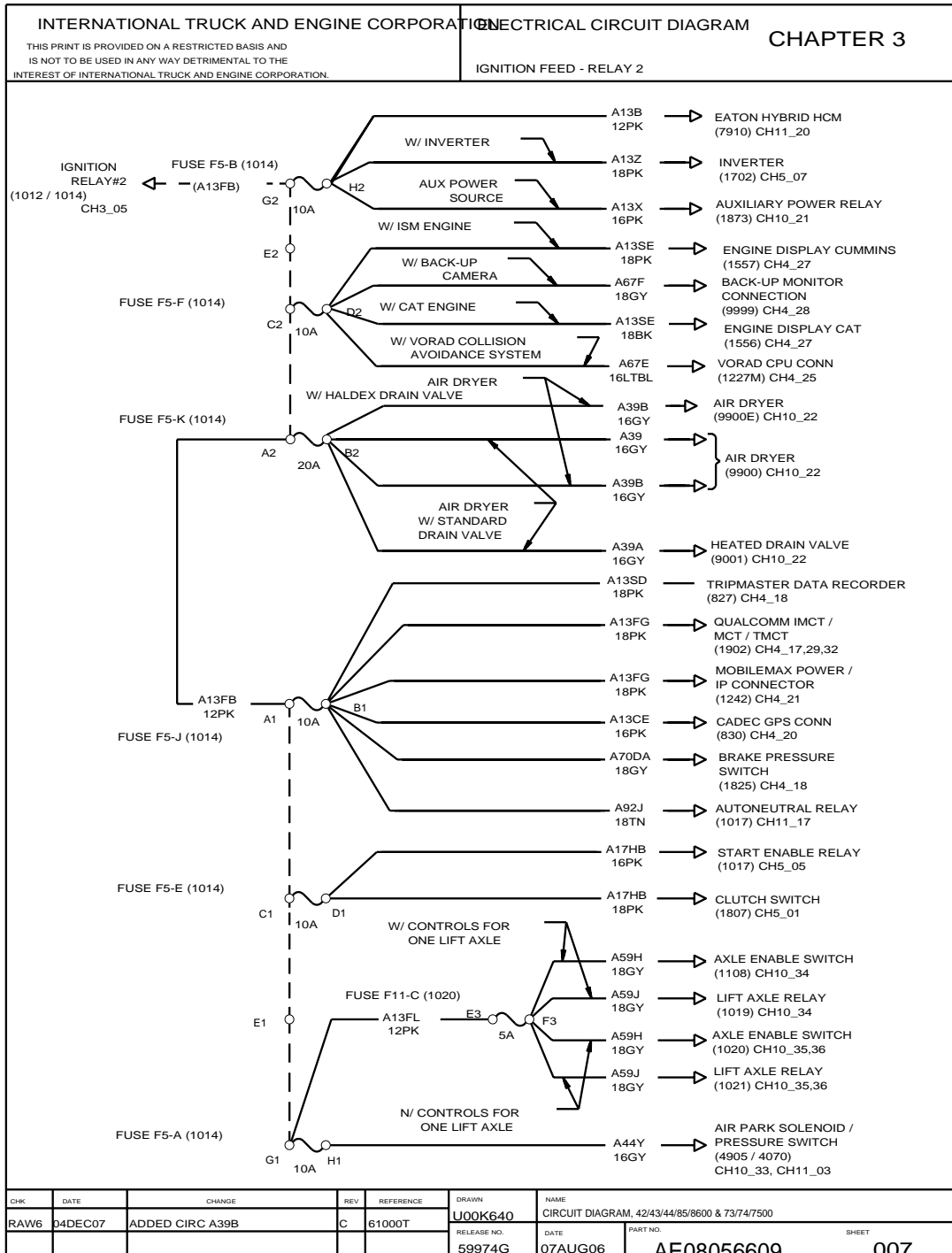


Figure 19 Ignition Feed Relay 2

3.8. IGNITION FEED RELAY 3, P. 8

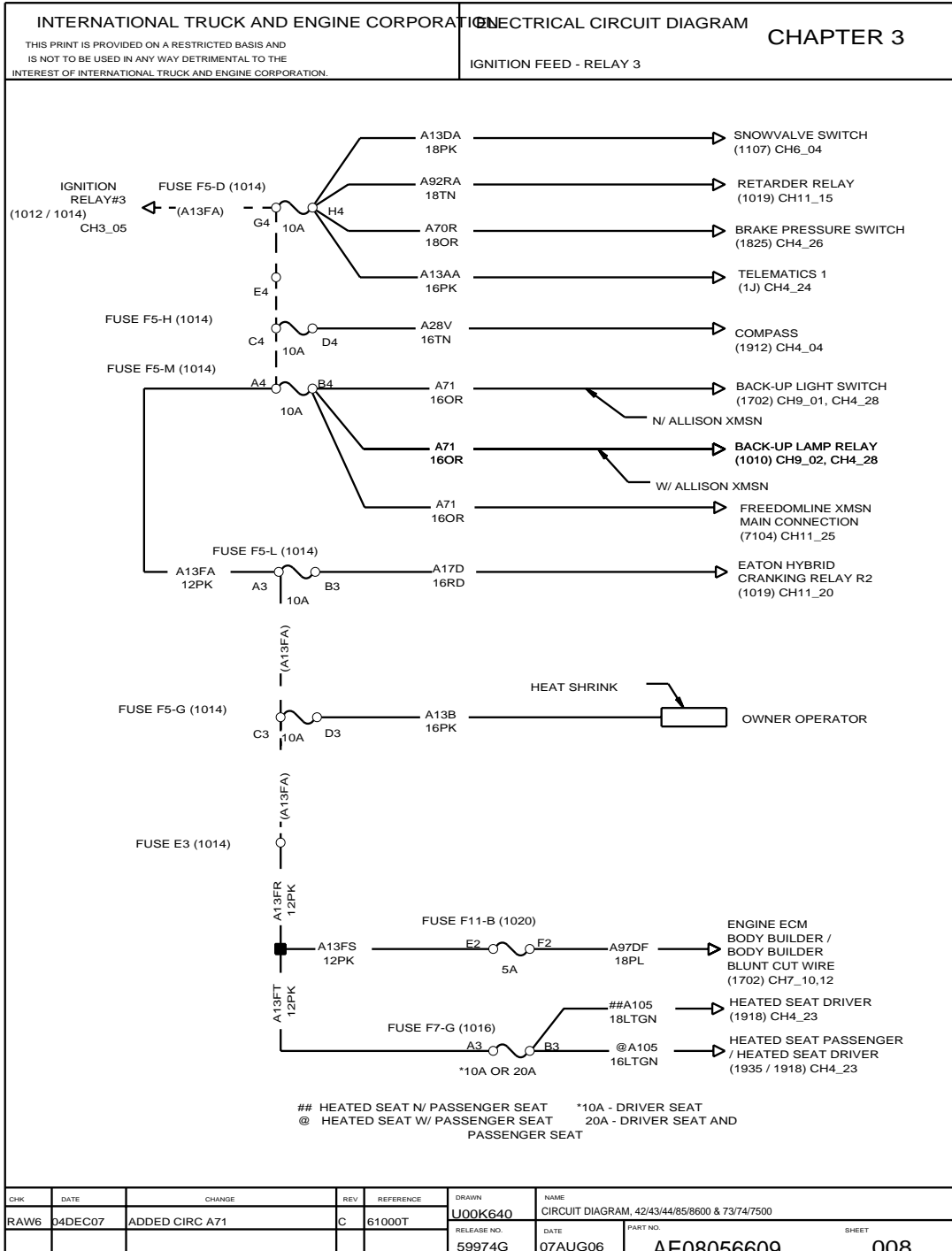


Figure 20 Ignition Feed Relay 3

3.9. J1708 DATA LINK — PUBLIC EFFECTS, P. 9

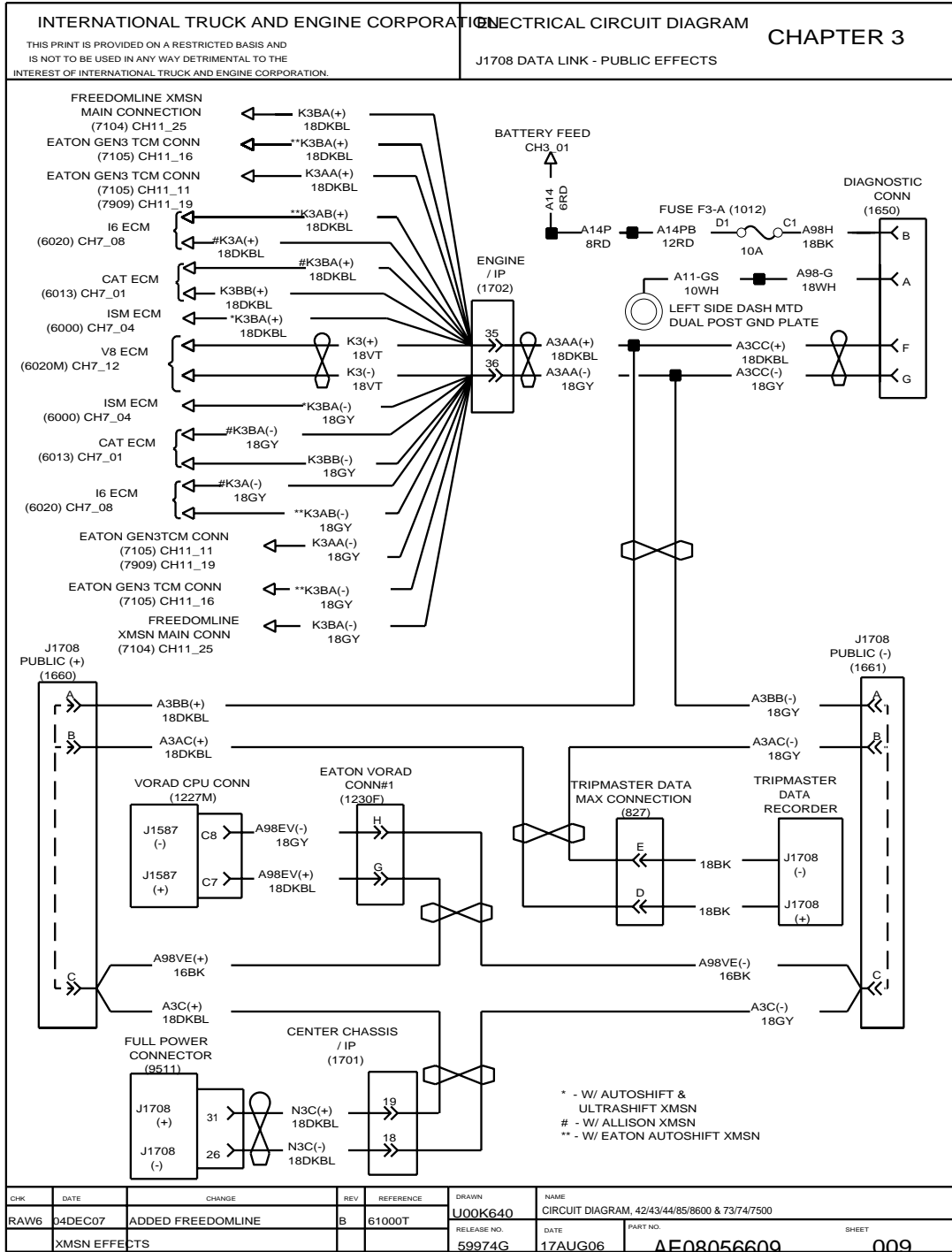


Figure 21 J1708 Data Link — Public Effects

3.10. J1708 DATA LINK — PUBLIC EFFECTS, P. 10

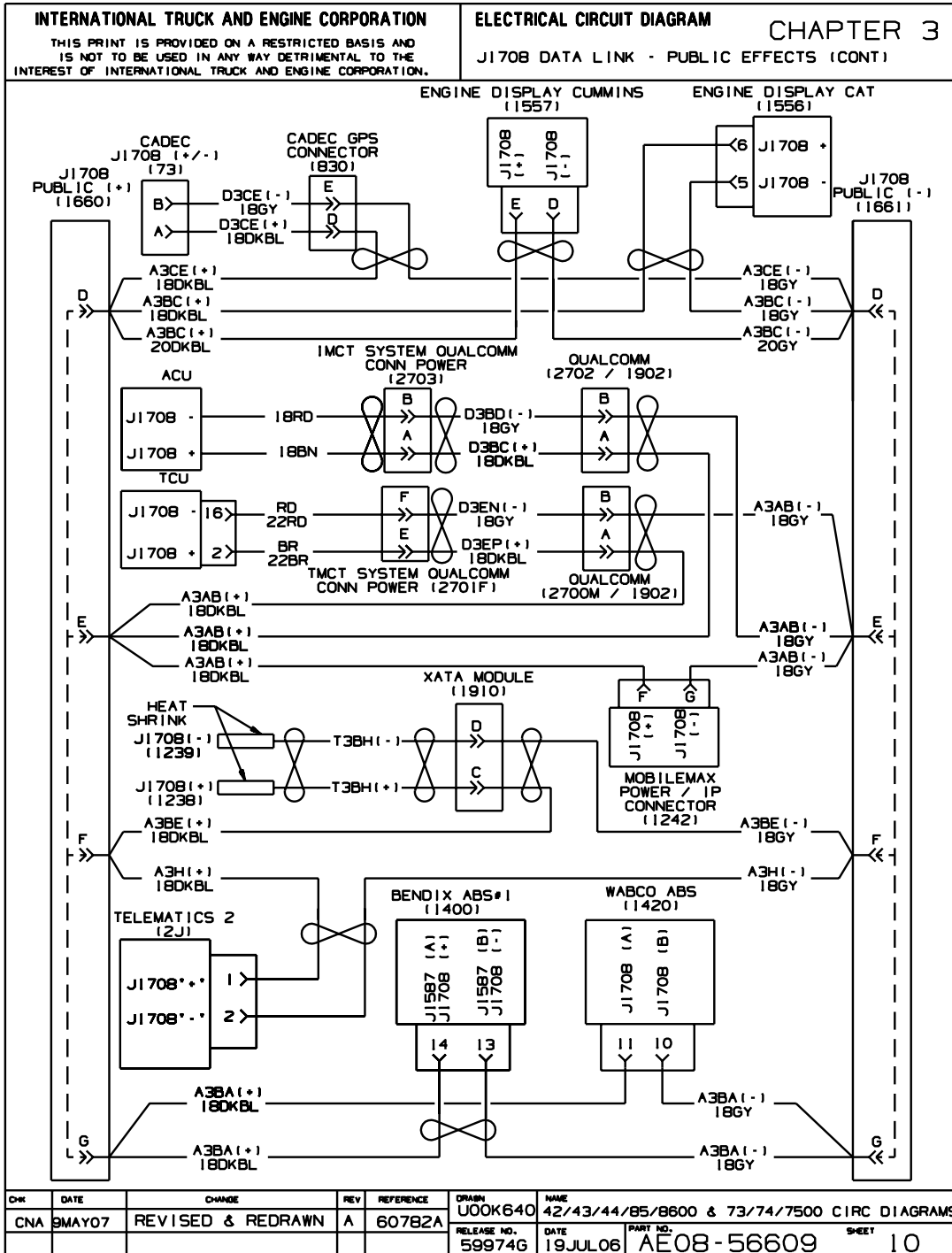


Figure 22 J1708 Data Link — Public Effects (Cont.)

3.11. J1708 DATA LINK — PRIVATE WITH POWER WINDOW AND LOCK, P. 11

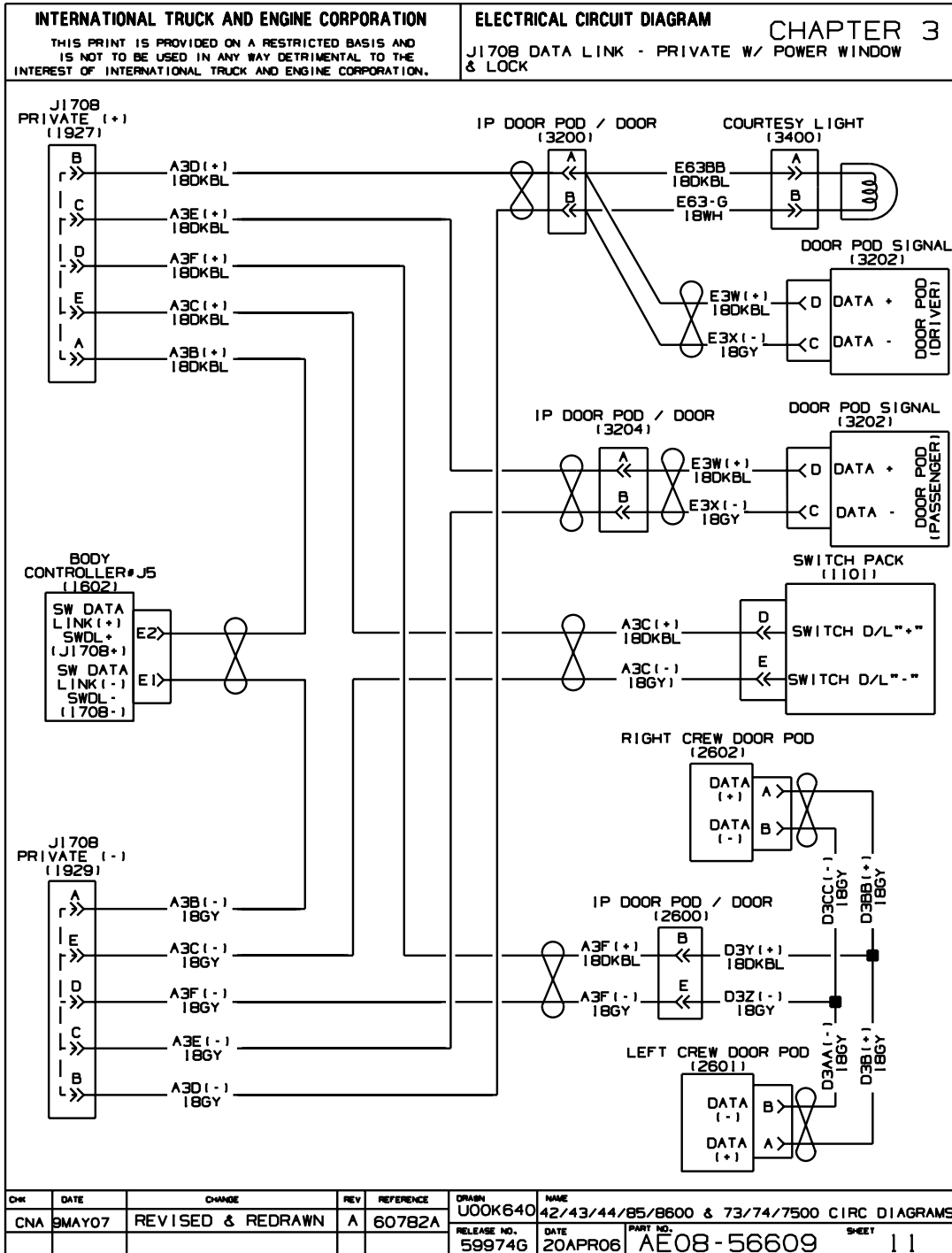


Figure 23 J1708 Data Link — Private with Power Window and Lock

3.12. J1939 DATA LINK, P. 12

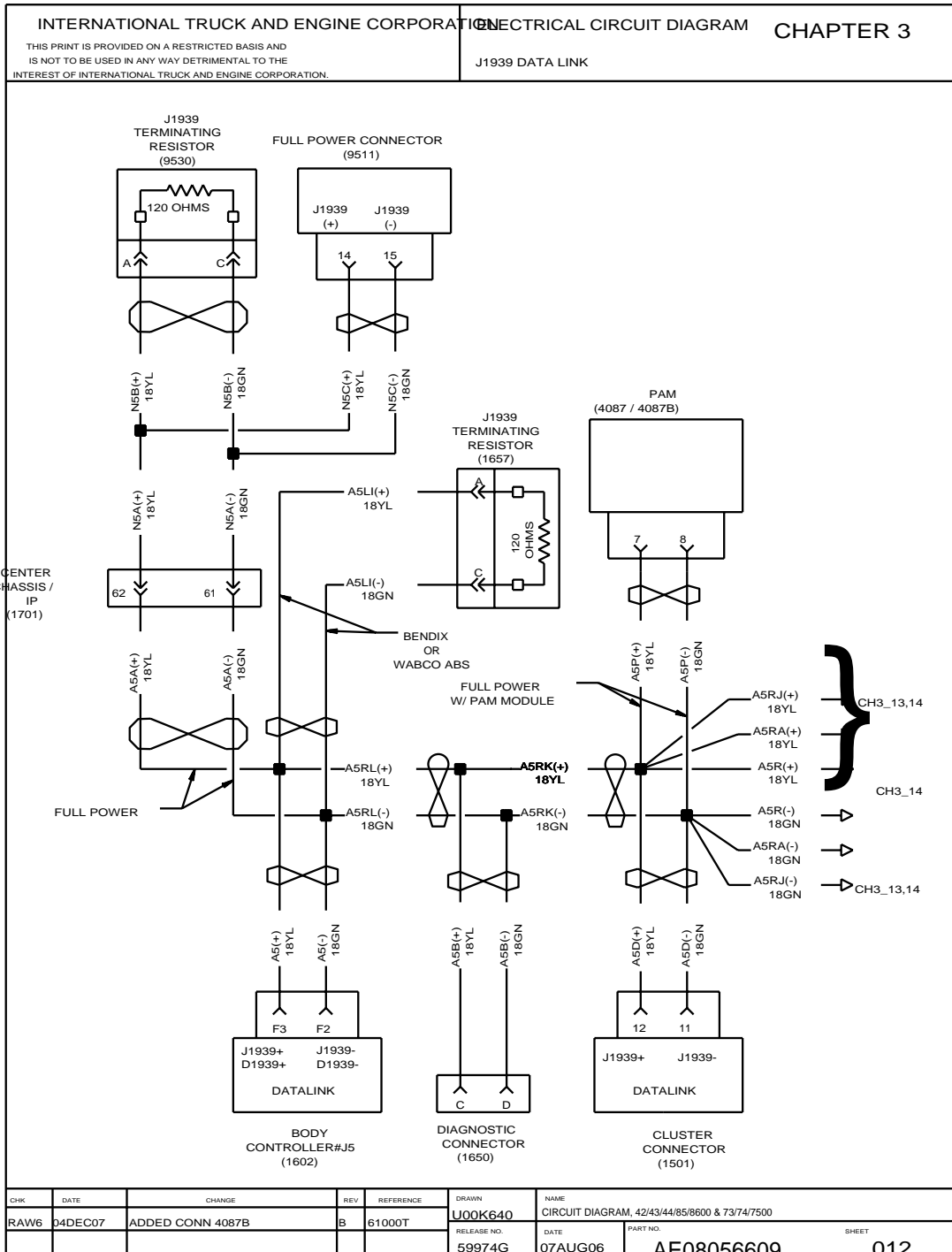


Figure 24 J1939 Data Link

3.13. J1939 DATA LINK WITH OPTIONS, P. 13

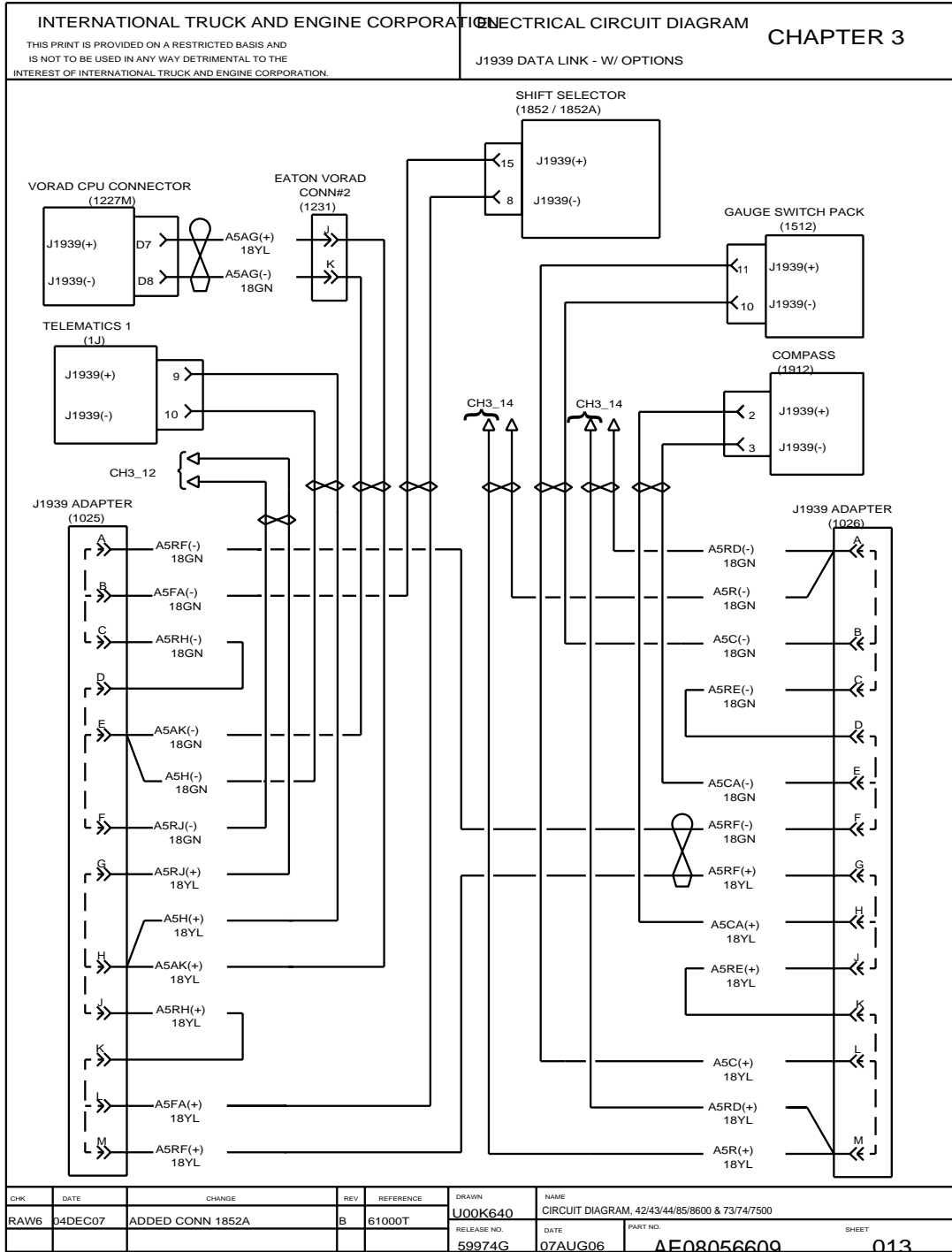


Figure 25 J1939 Data Link with Options

3.14. J1939 DATA LINK WITH OPTIONS, P. 14

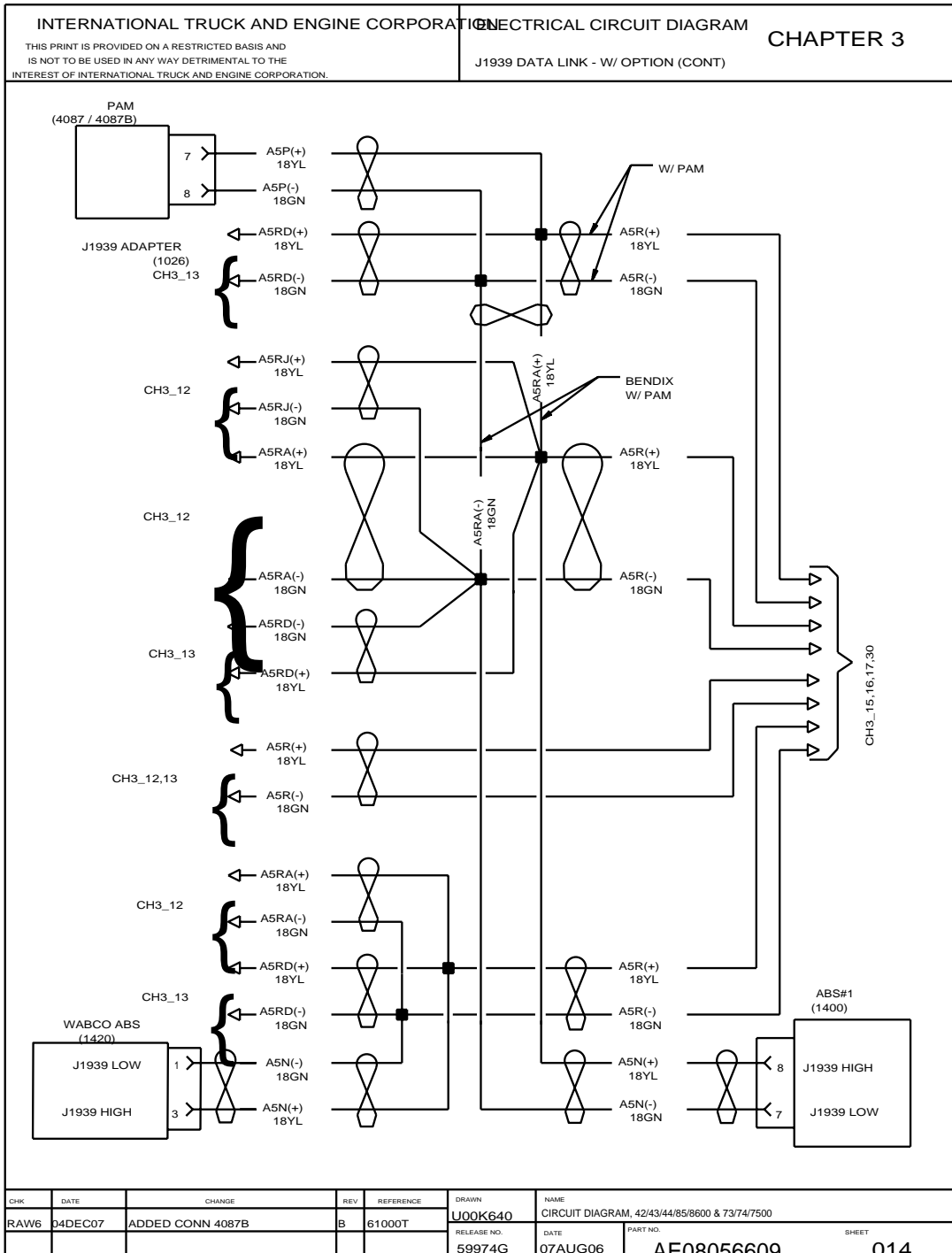


Figure 26 J1939 Data Link with Options

3.15. J1939 DATA LINK — ISM 2007 ENGINE, P. 15

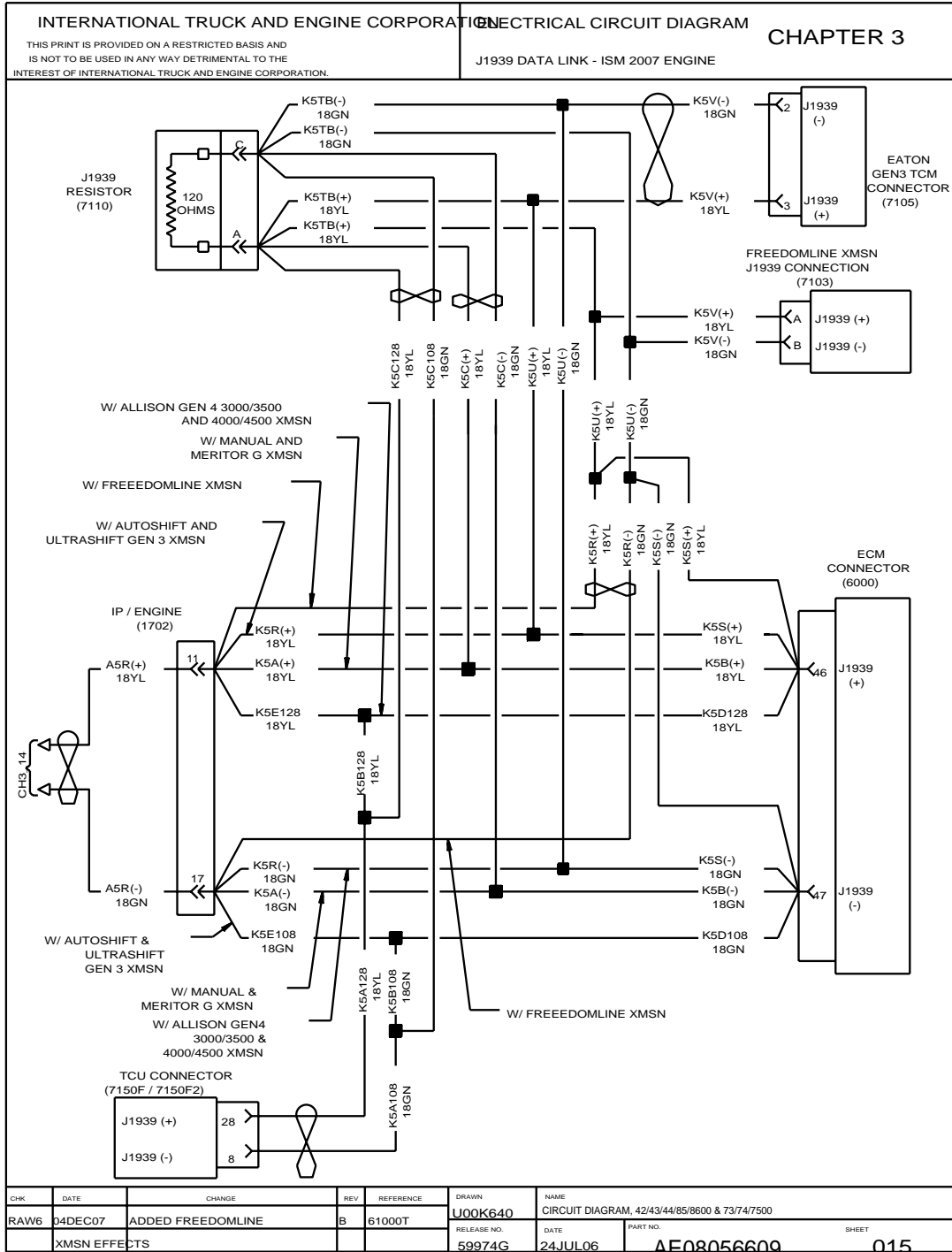


Figure 27 J1939 Data Link — ISM 2007 Engine

3.16. J1939 DATA LINK — I6 2007 ENGINE, P. 16

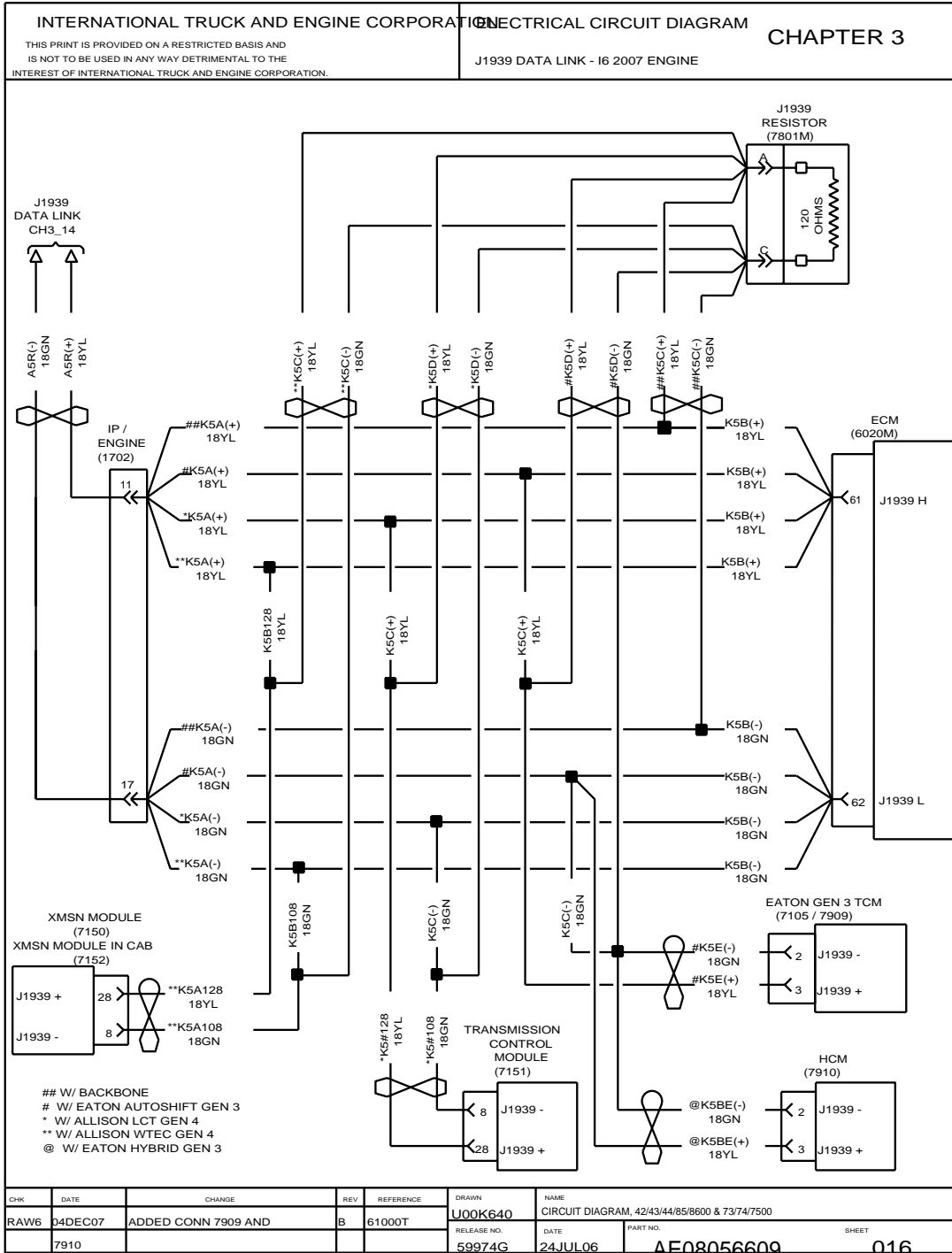


Figure 28 J1939 Data Link — I6 2007 Engine

3.17. J1939 DATA LINK — C11/C13 2007 ENGINE, P. 17

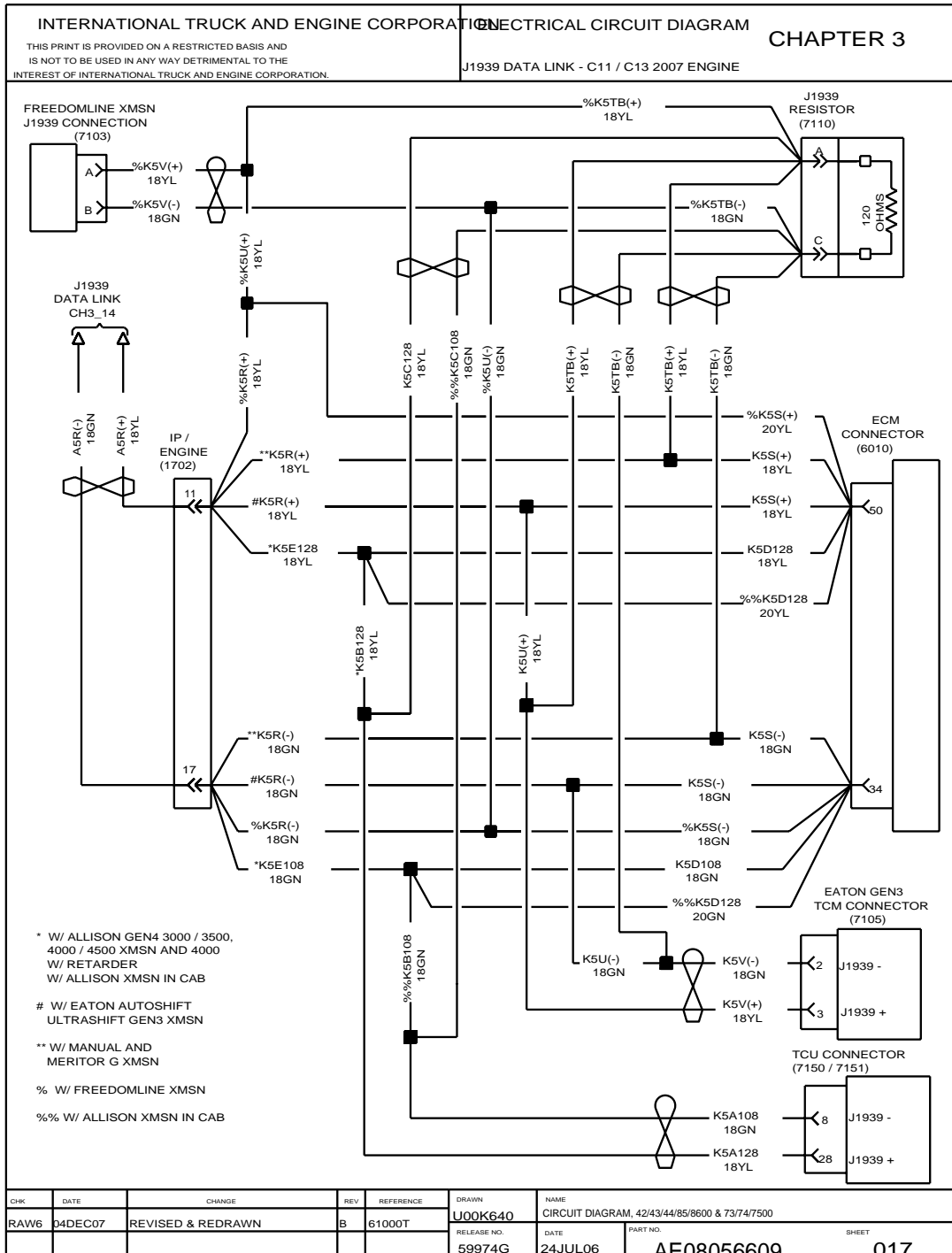


Figure 29 J1939 Data Link — C11/C13 2007 Engine

3.18. GROUND — IP, P. 18

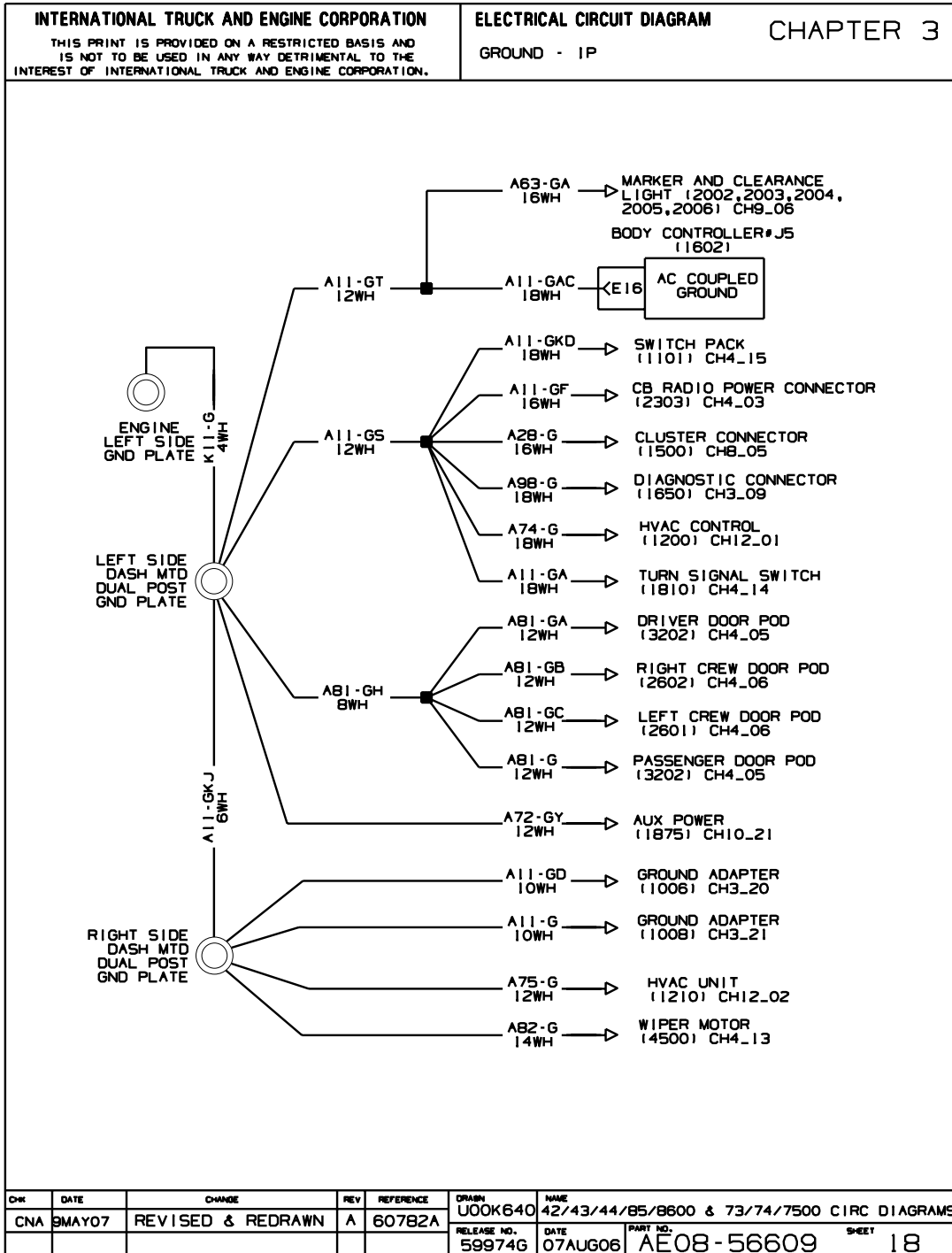


Figure 30 Ground — IP

3.19. GROUND — IP, P. 19

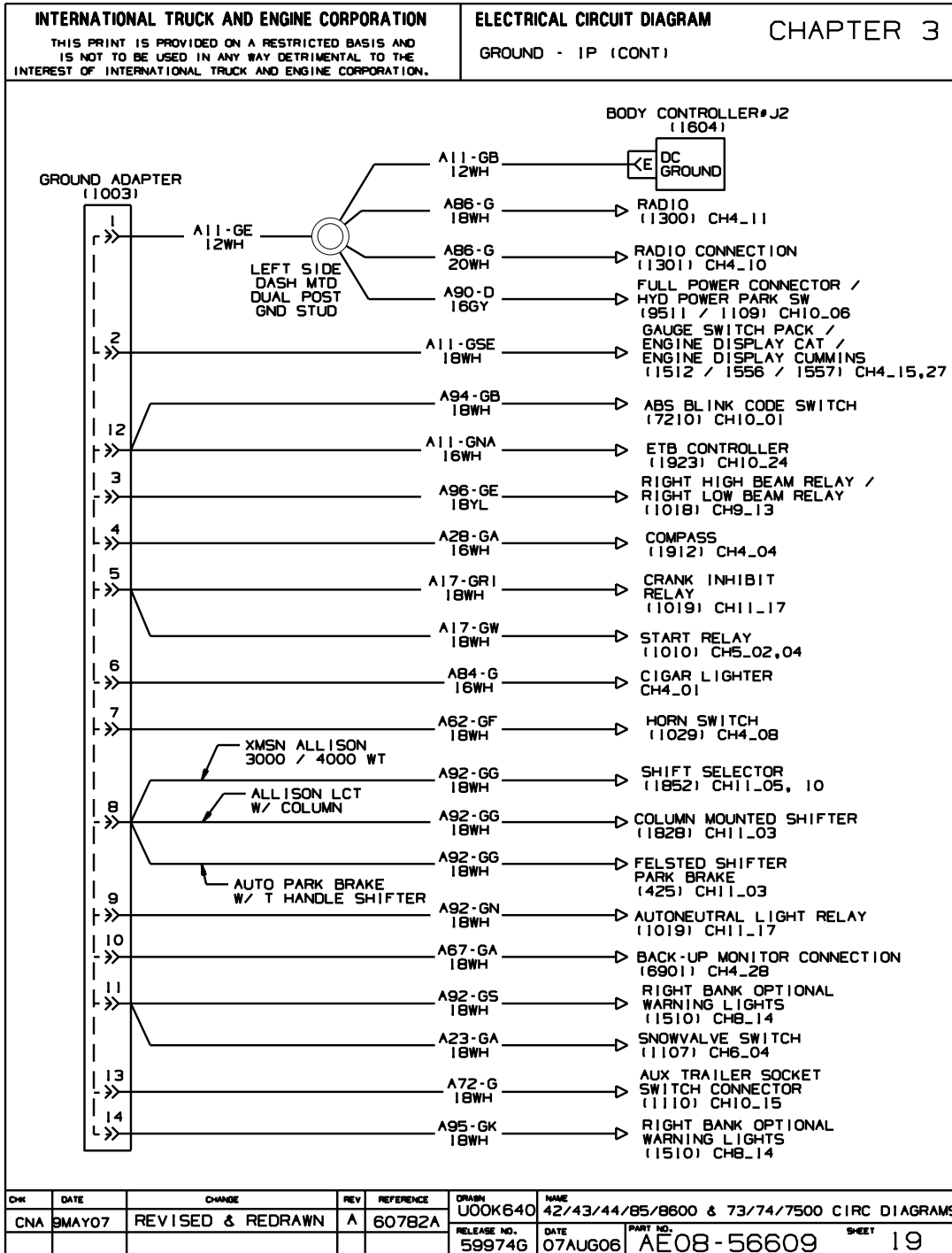


Figure 31 Ground — IP (Cont.)

3.20. GROUND — IP, P. 20

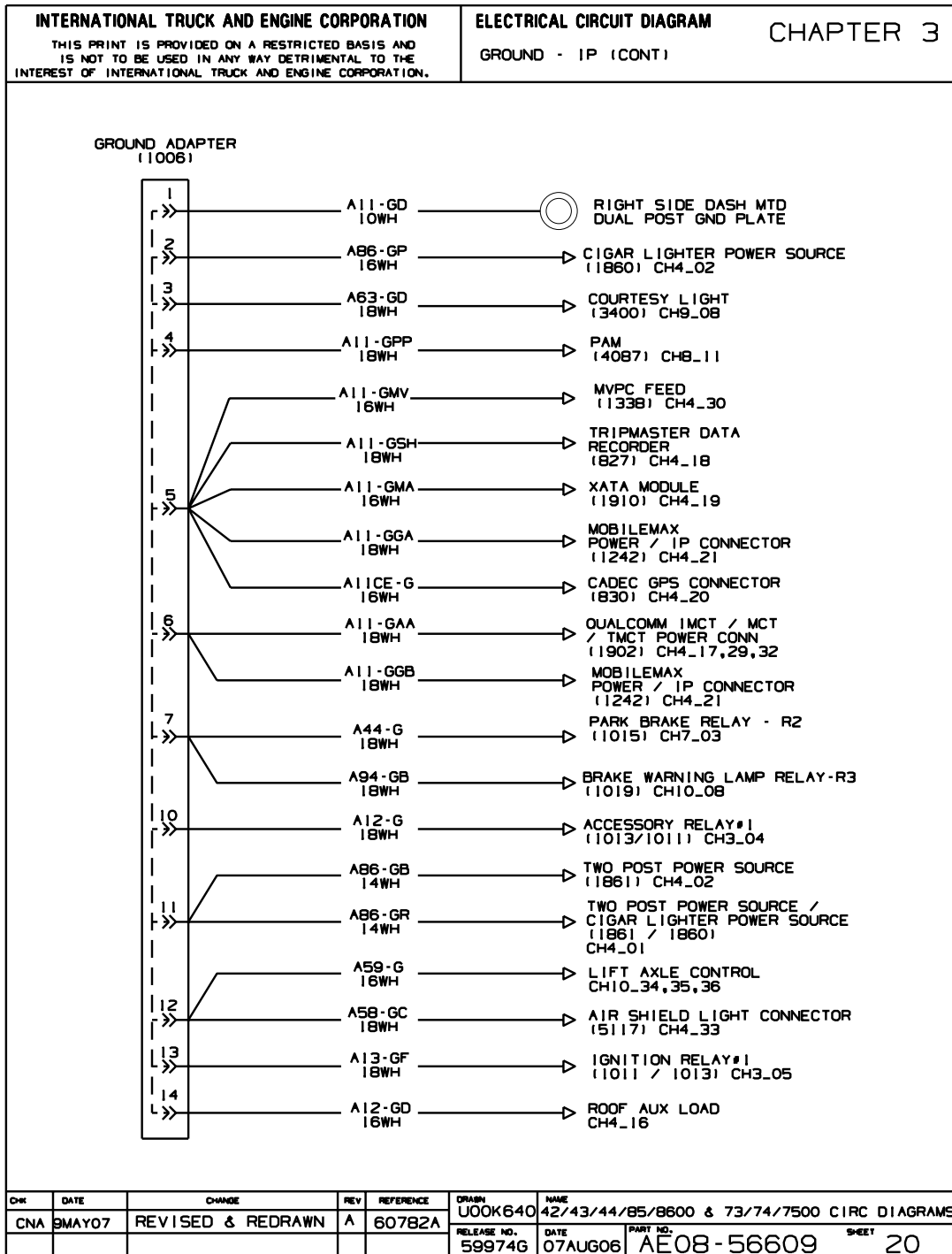


Figure 32 Ground — IP (Cont.)

3.21. GROUND — IP, P. 21

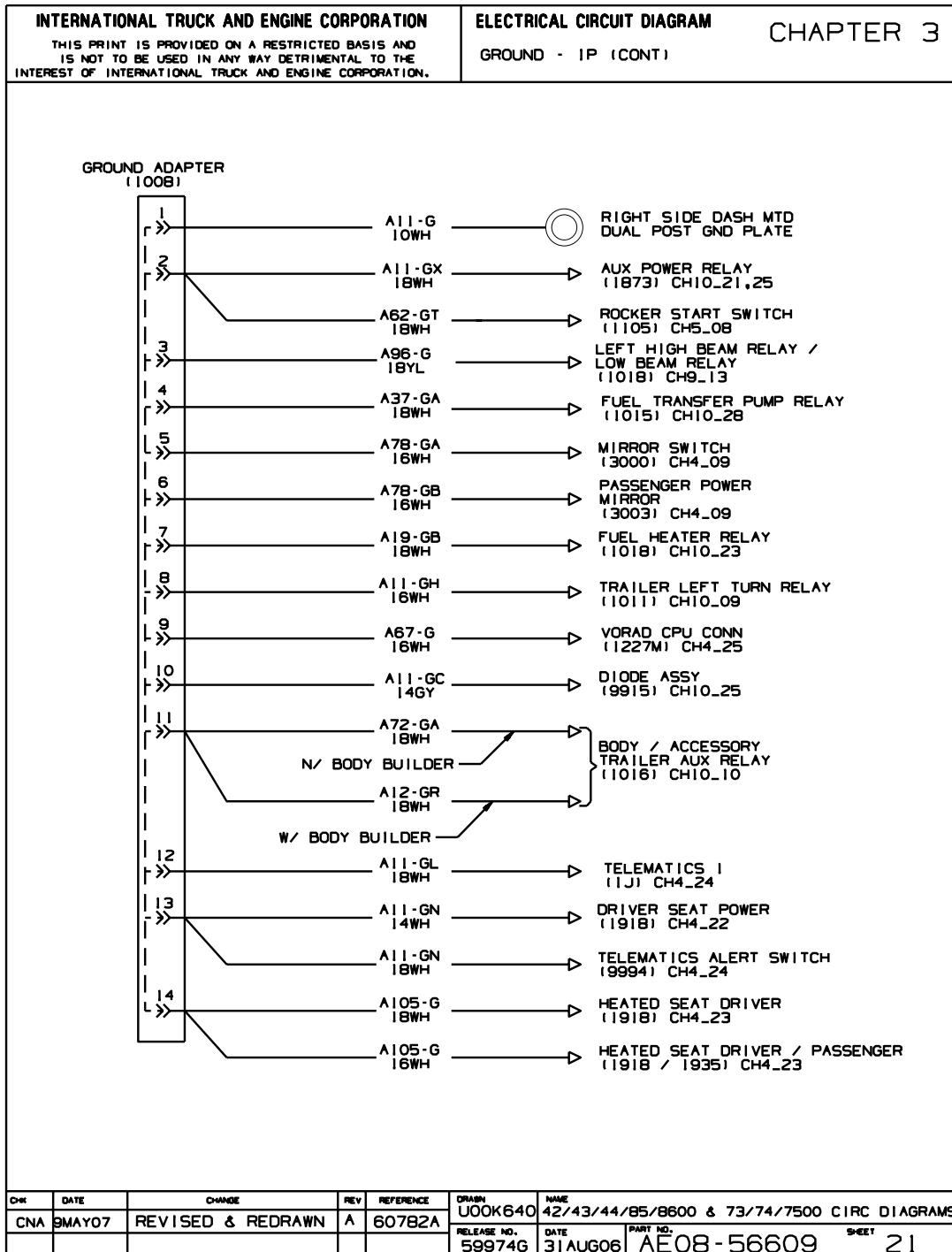


Figure 33 Ground — IP (Cont.)

3.22. ENGINE GROUND, P. 22

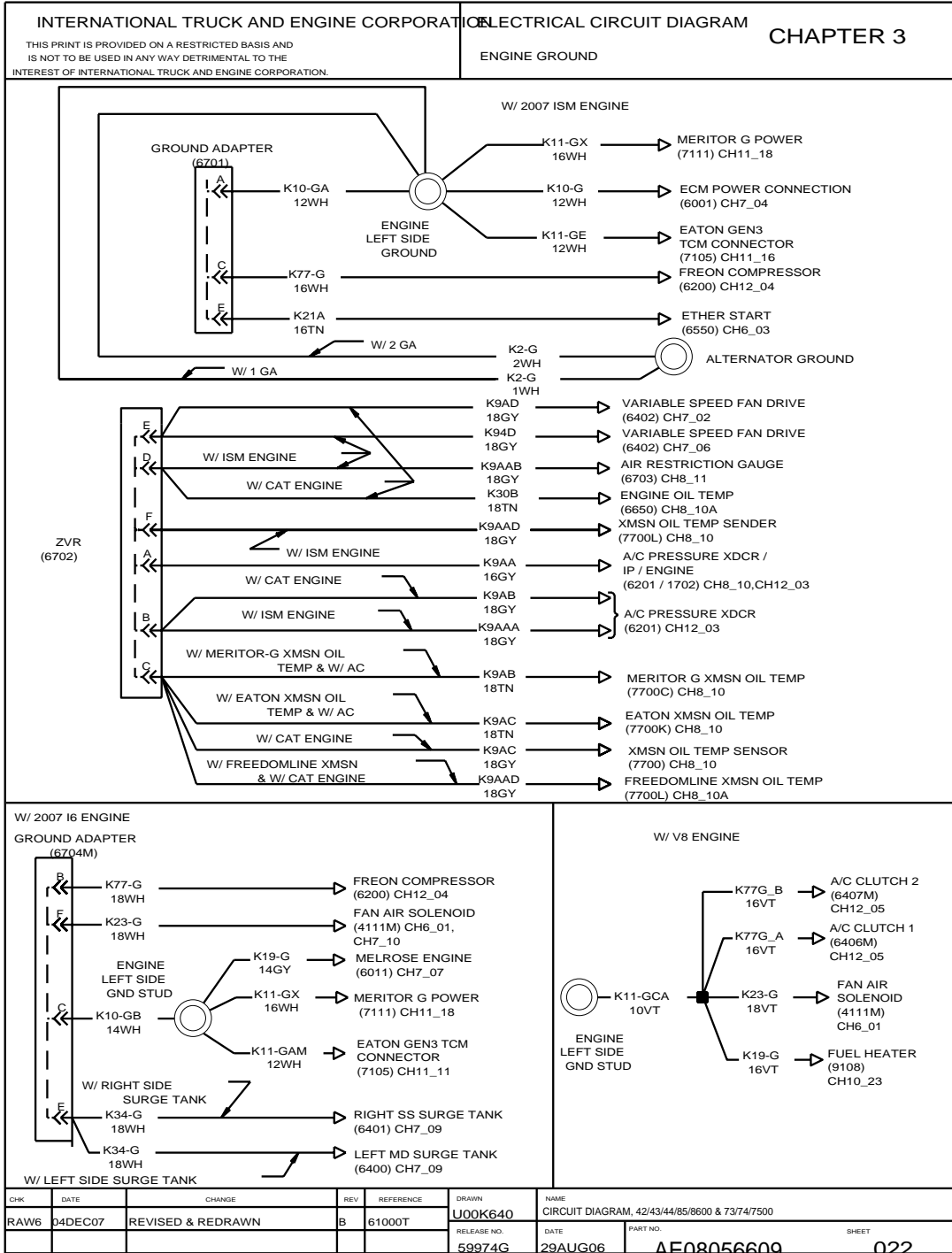


Figure 34 Engine Ground

3.23. ENGINE GROUND, P. 23

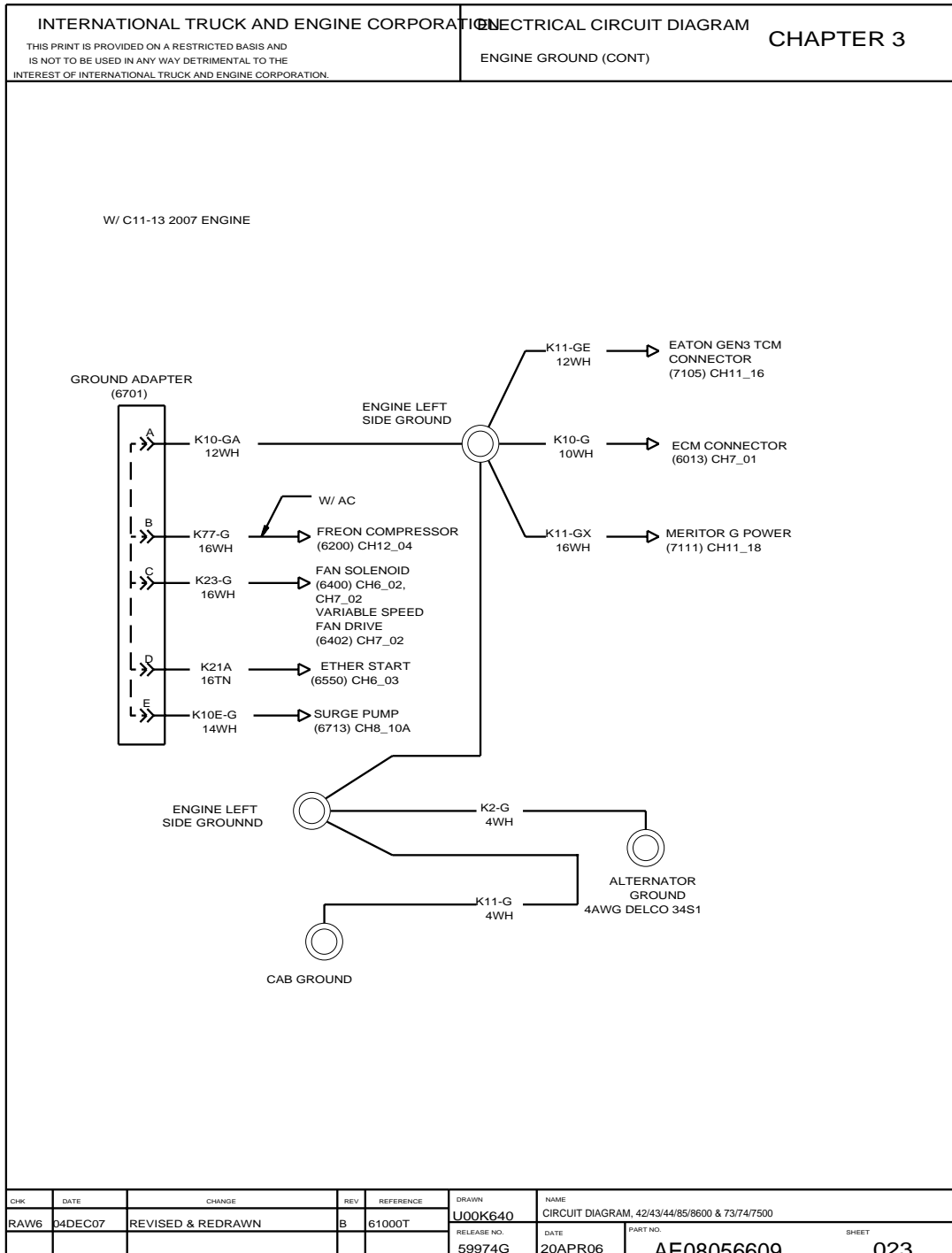


Figure 35 Engine Ground (Cont.)

3.24. GROUND — CHASSIS, P. 24

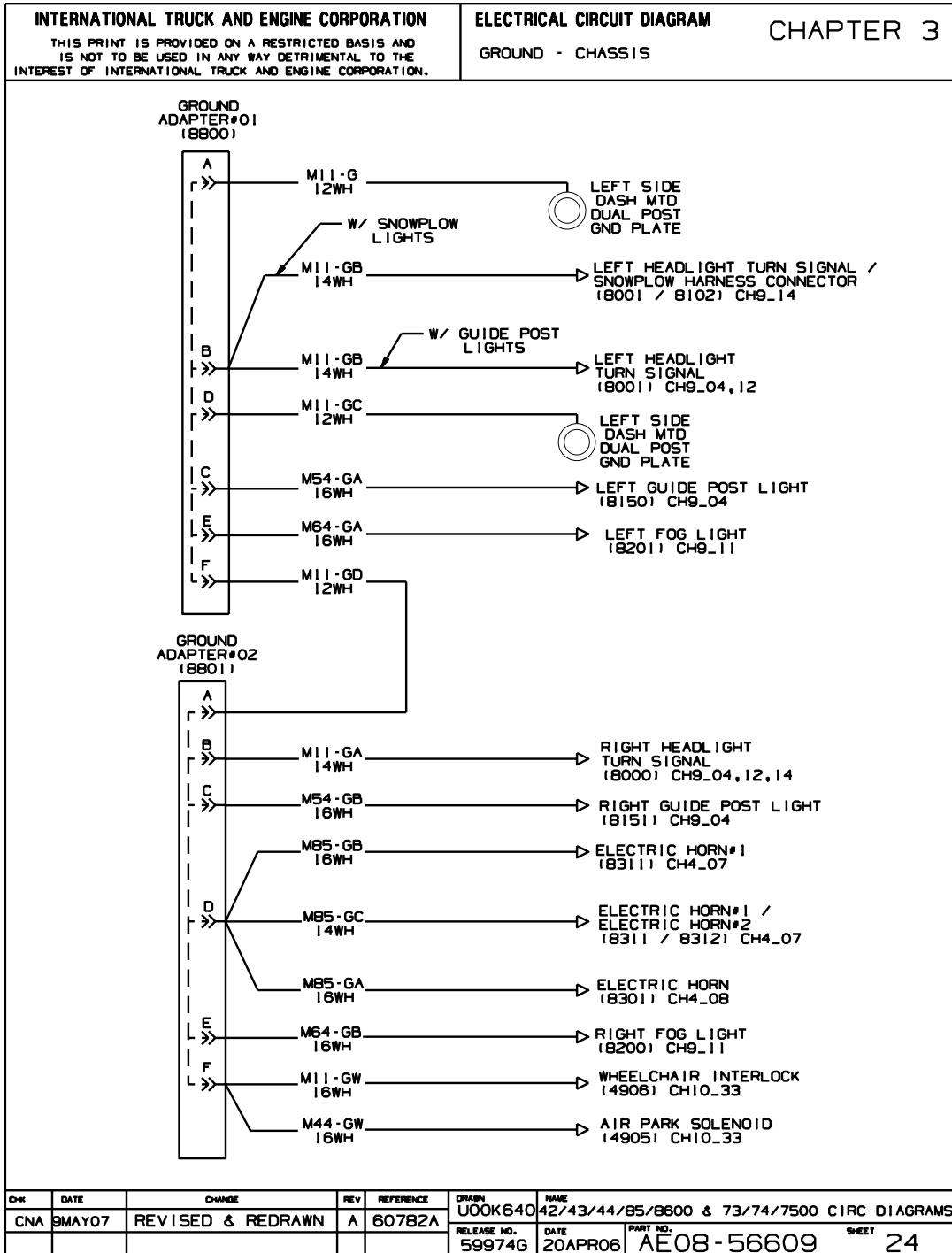


Figure 36 Ground — Chassis

3.25. GROUND — CHASSIS WITH HEAVY DUTY DIESEL, P. 25

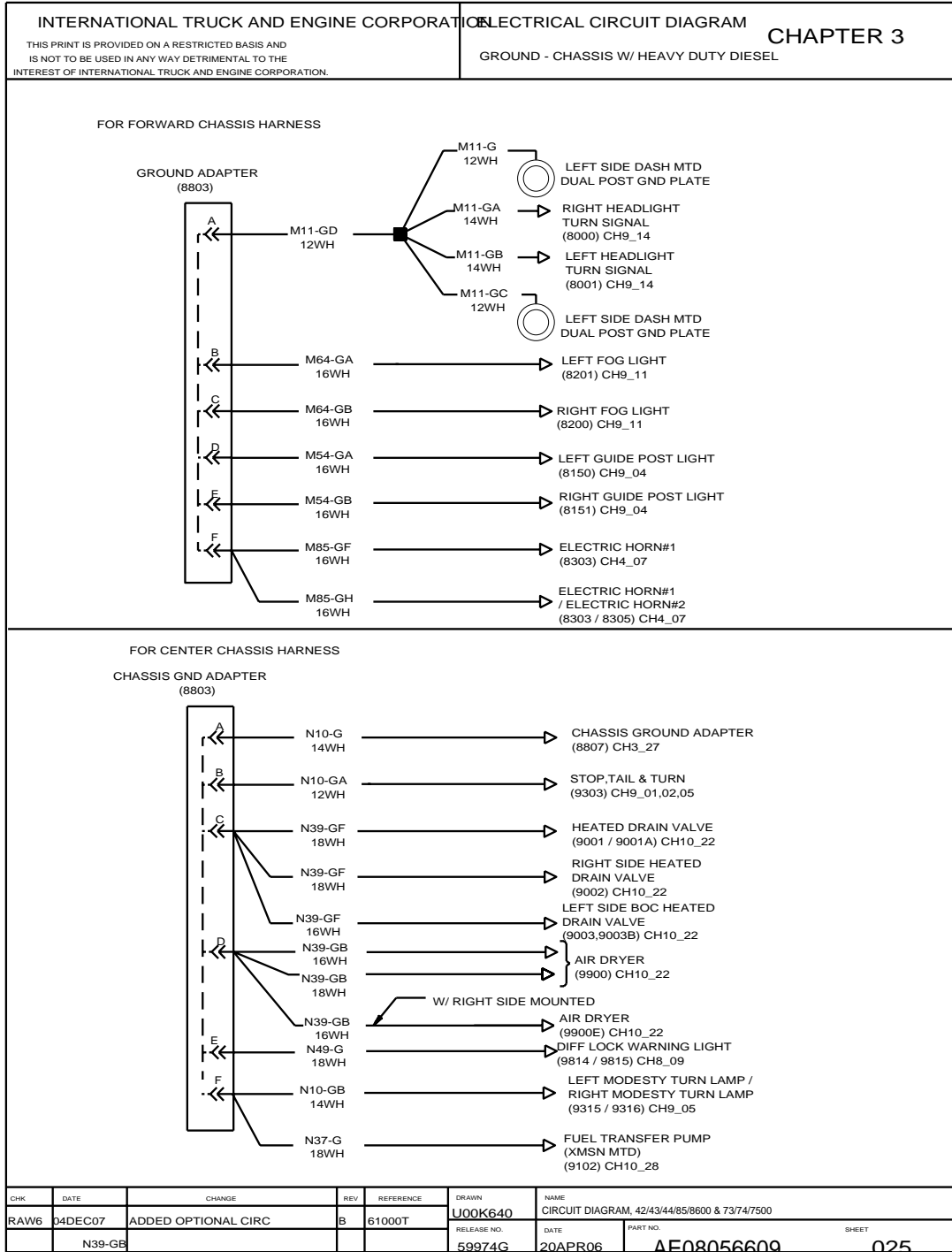


Figure 37 Ground — Chassis with Heavy Duty Diesel

3.26. GROUND — CHASSIS, P. 26

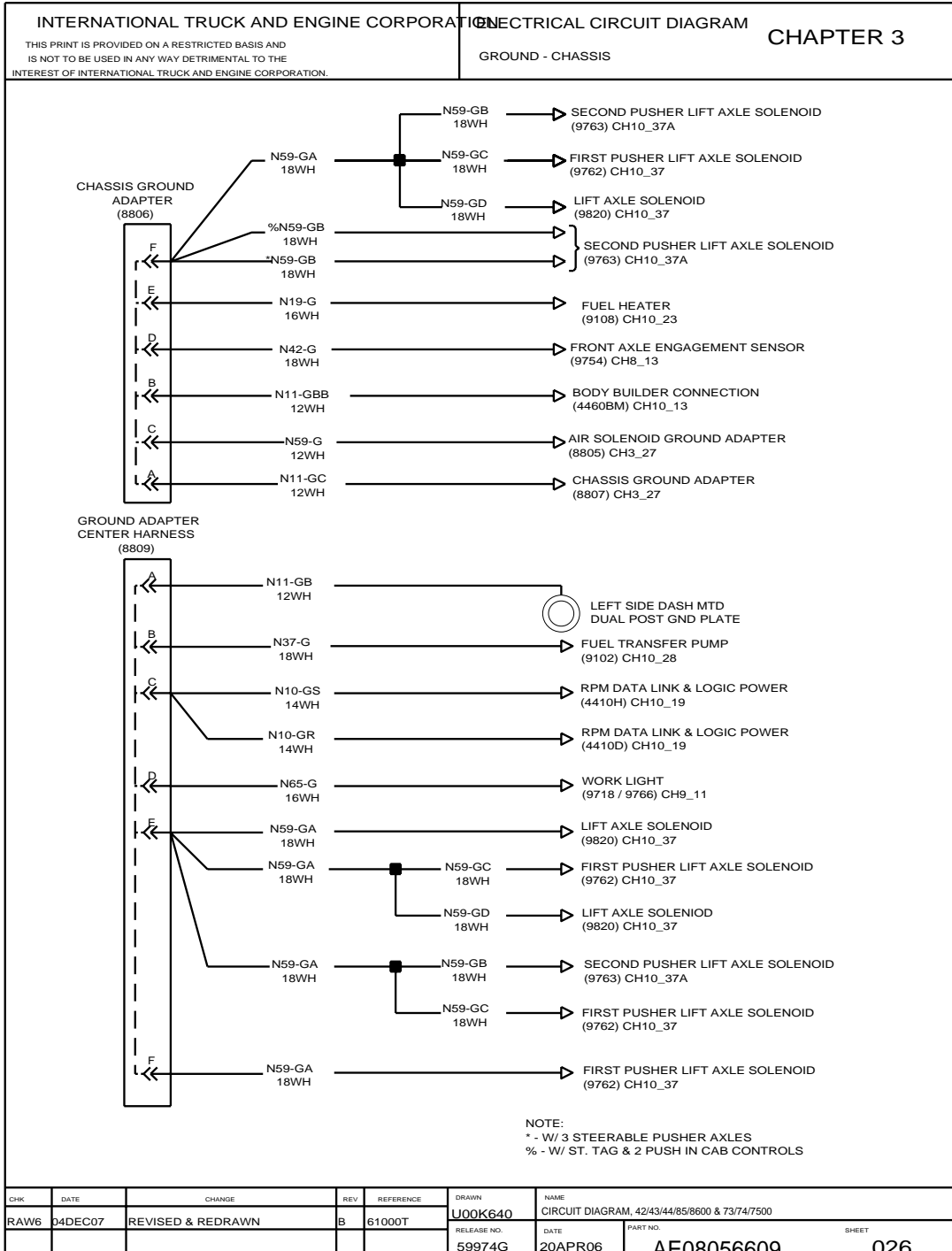


Figure 38 Ground — Chassis

3.27. ZERO VOLT REFERENCE, P. 27

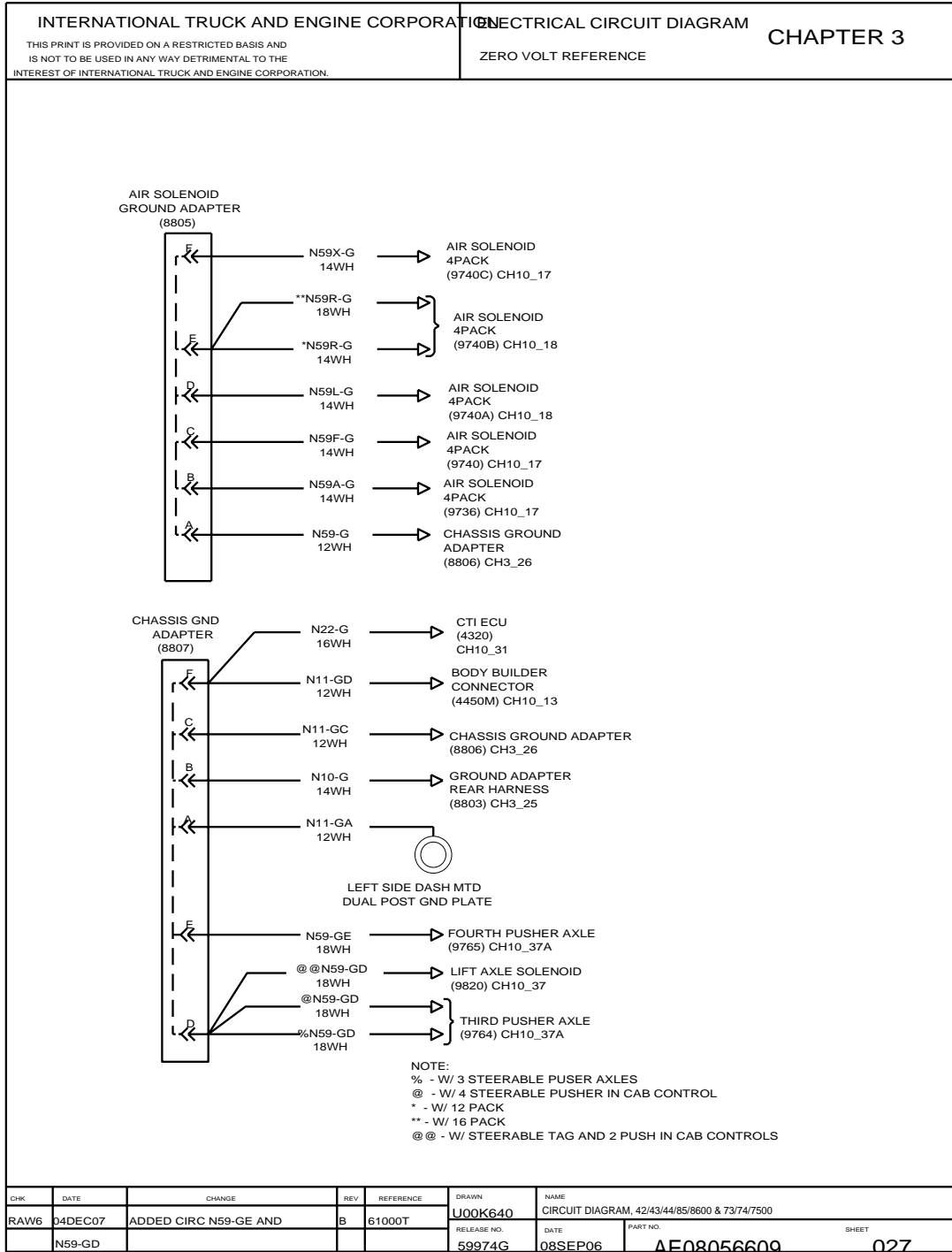


Figure 39 Zero Volt Reference

3.28. ZERO VOLT REFERENCE, P. 28

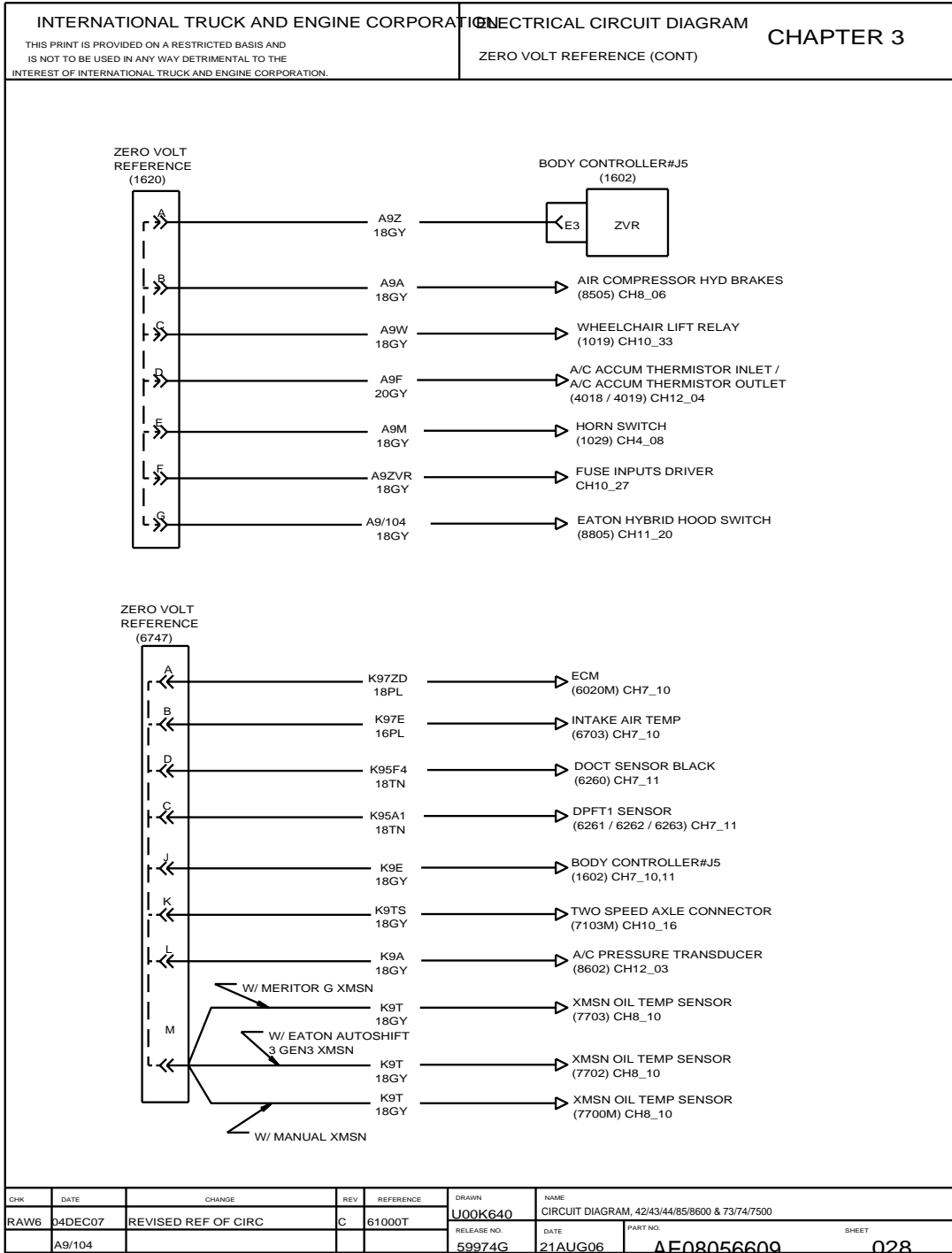


Figure 40 Zero Volt Reference

3.29. GROUND — CHASSIS, P. 29

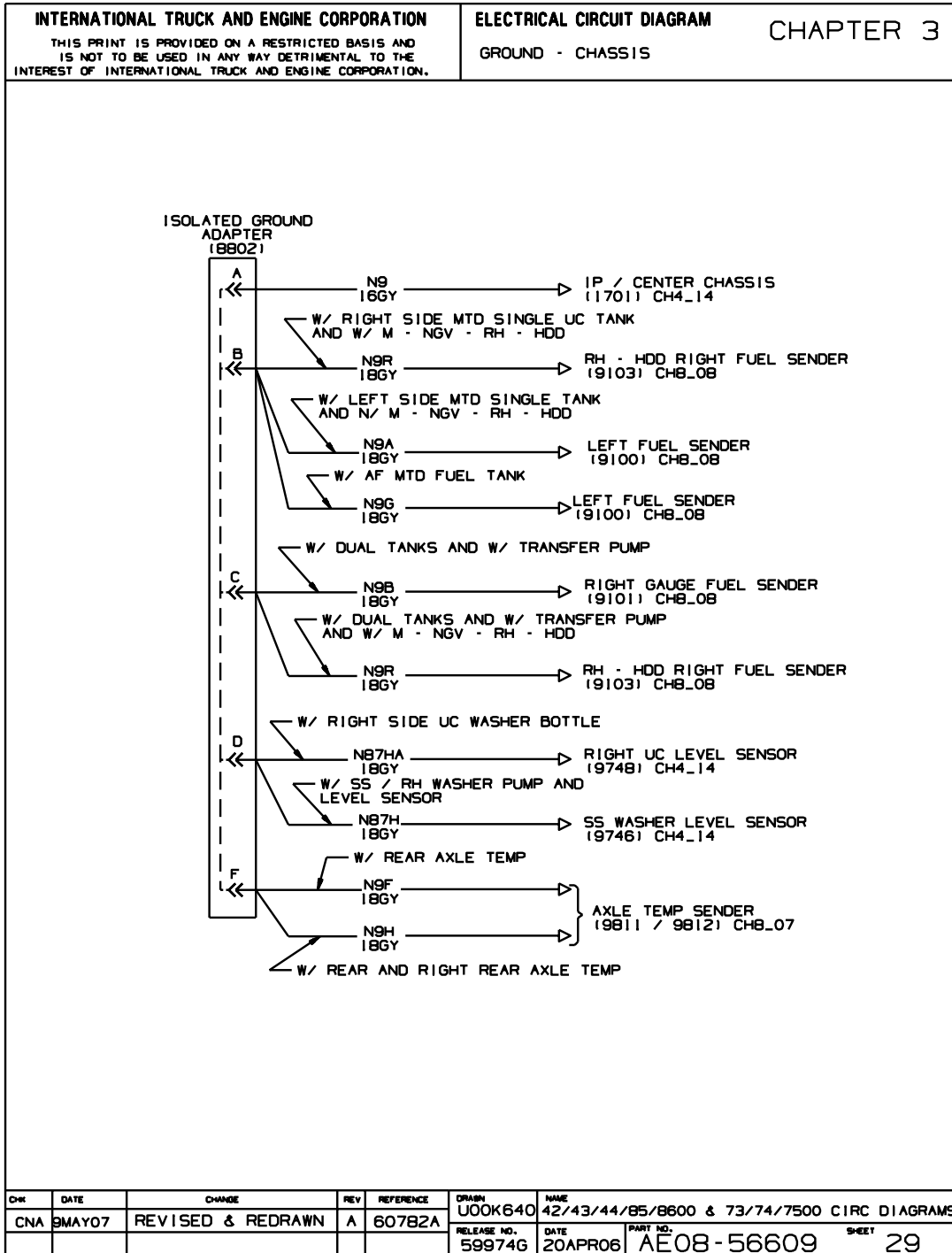


Figure 41 Ground — Chassis

3.30. J1939 DATA LINK WITH V8 ENGINE, P. 30

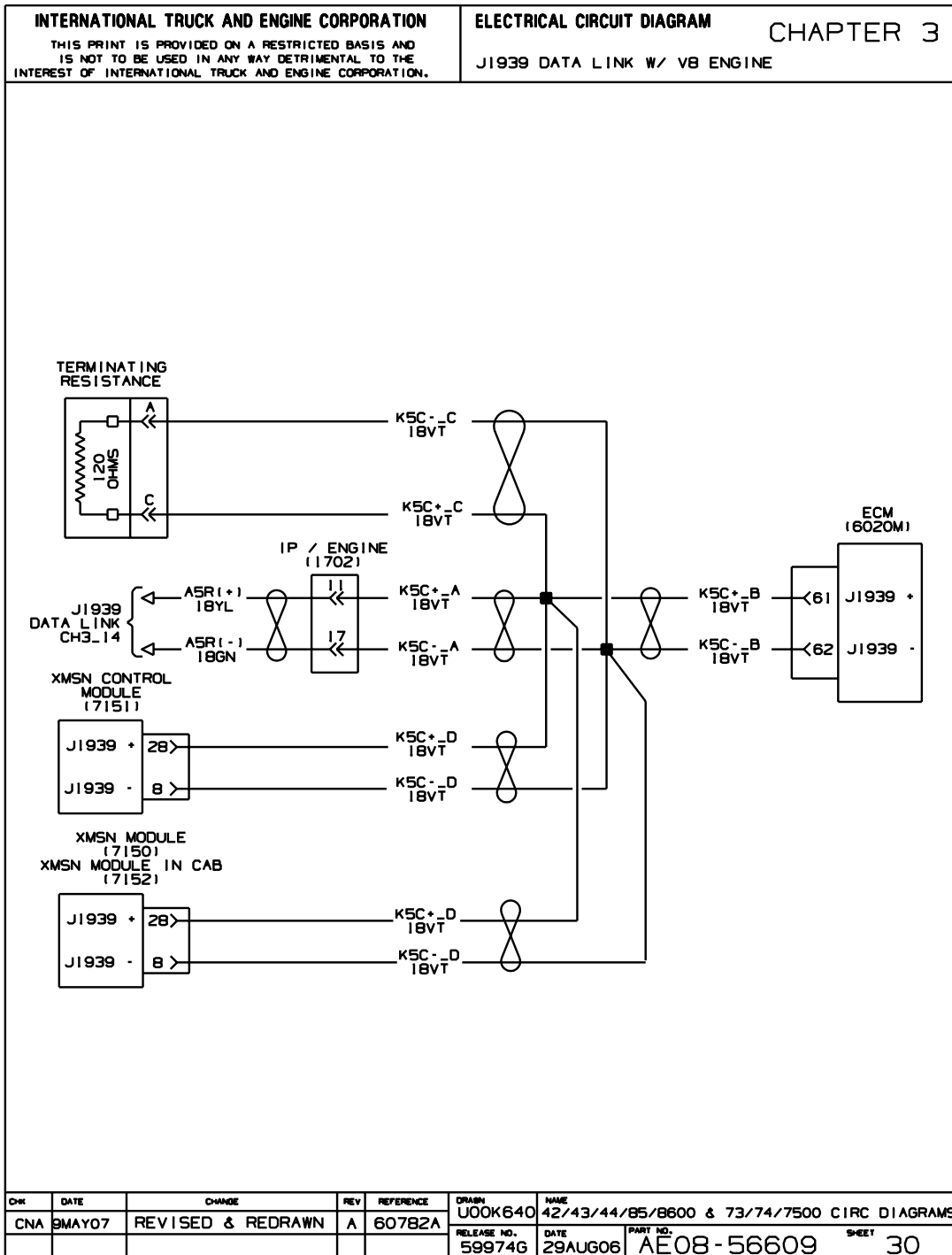


Figure 42 J1939 Data Link with V8 Engine

4. CAB ACCESSORIES (CHAPTER 4)

4.1. CIGAR LIGHTER AND POWER FEED, P. 1

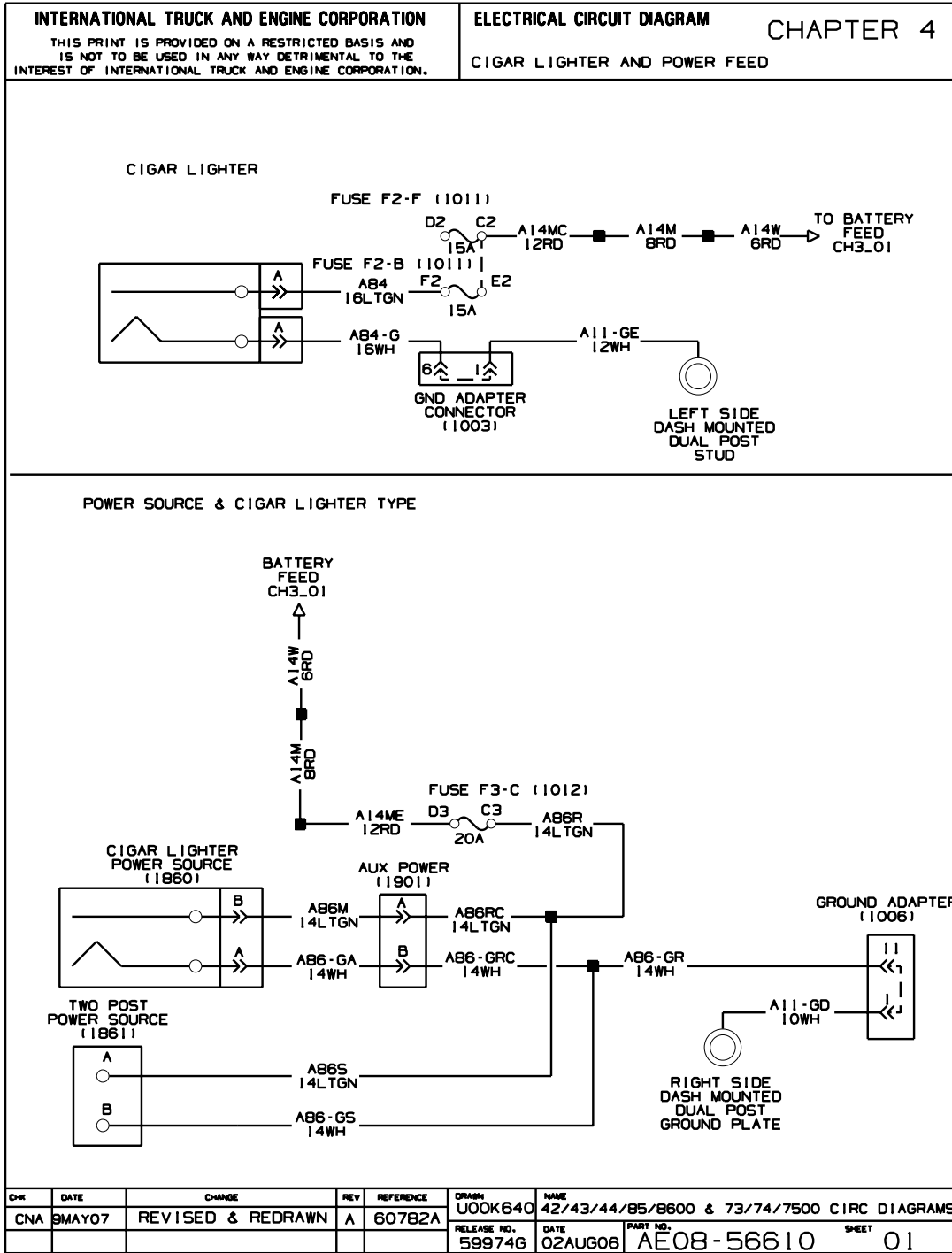


Figure 43 Cigar Lighter and Power Feed

4.2. CIGAR LIGHTER AND POWER FEED, P. 2

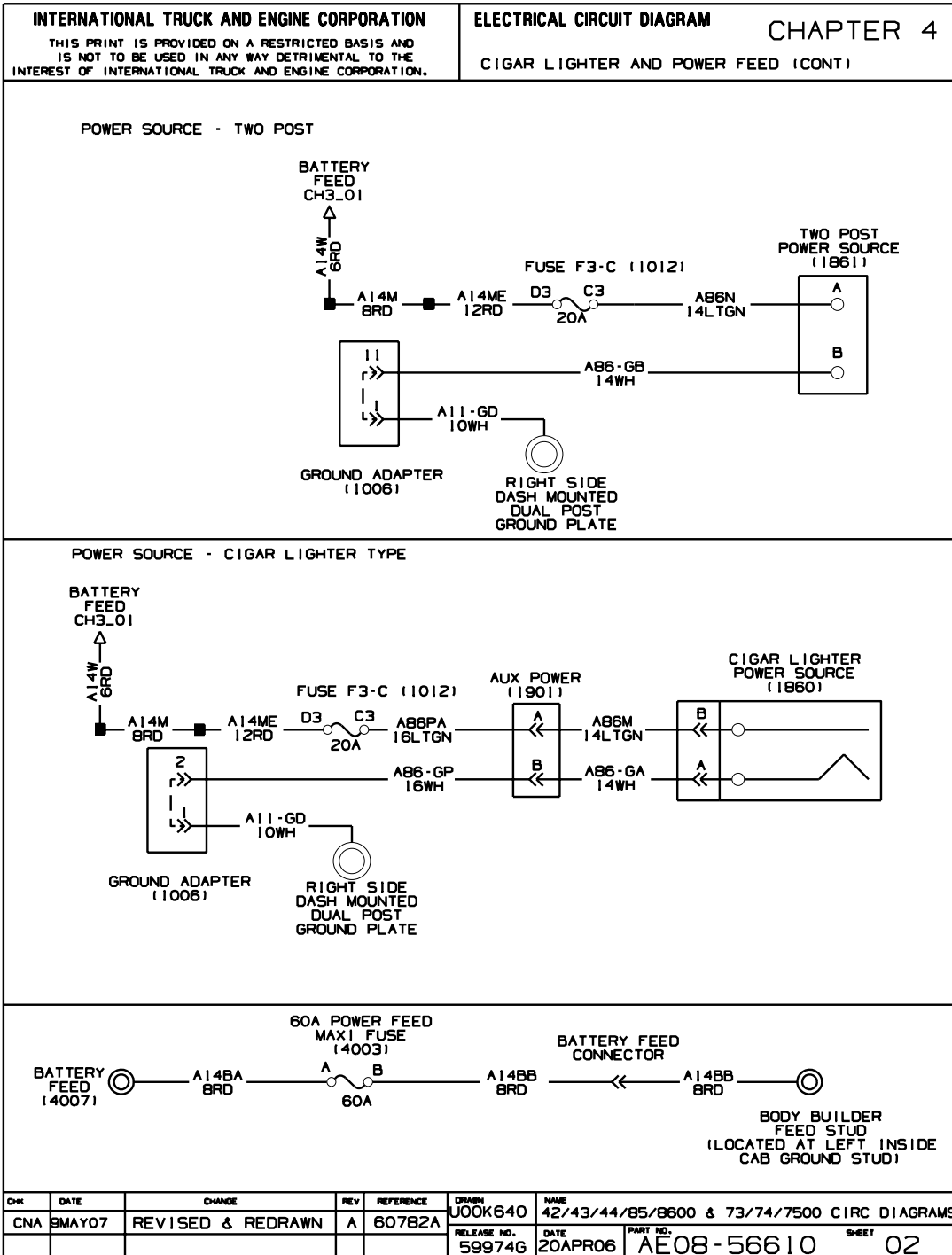


Figure 44 Cigar Lighter and Power Feed

4.3. CB POWER RADIO, P. 3

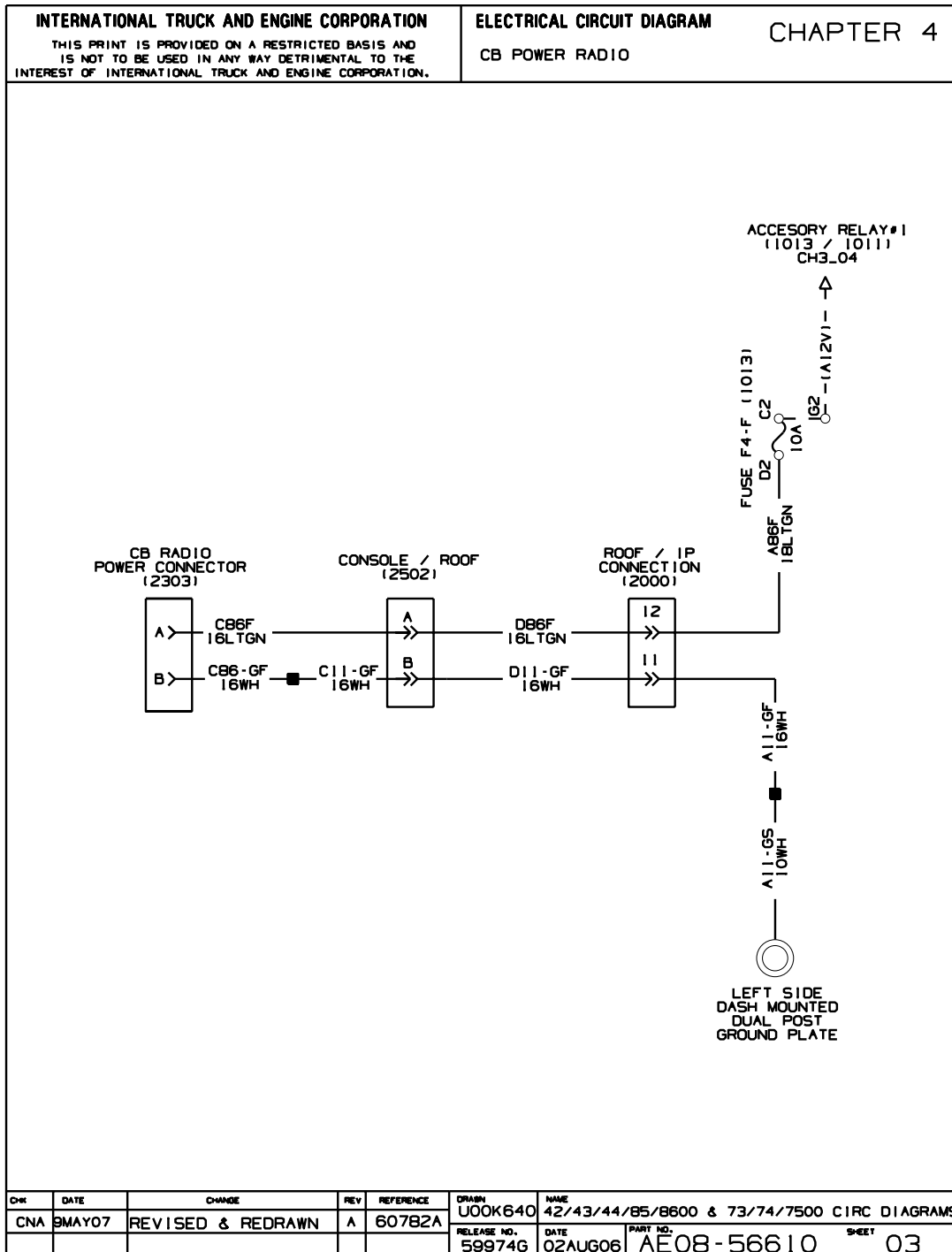


Figure 45 CB Power Radio

4.4. COMPASS AND TEMPERATURE DISPLAY, P. 4

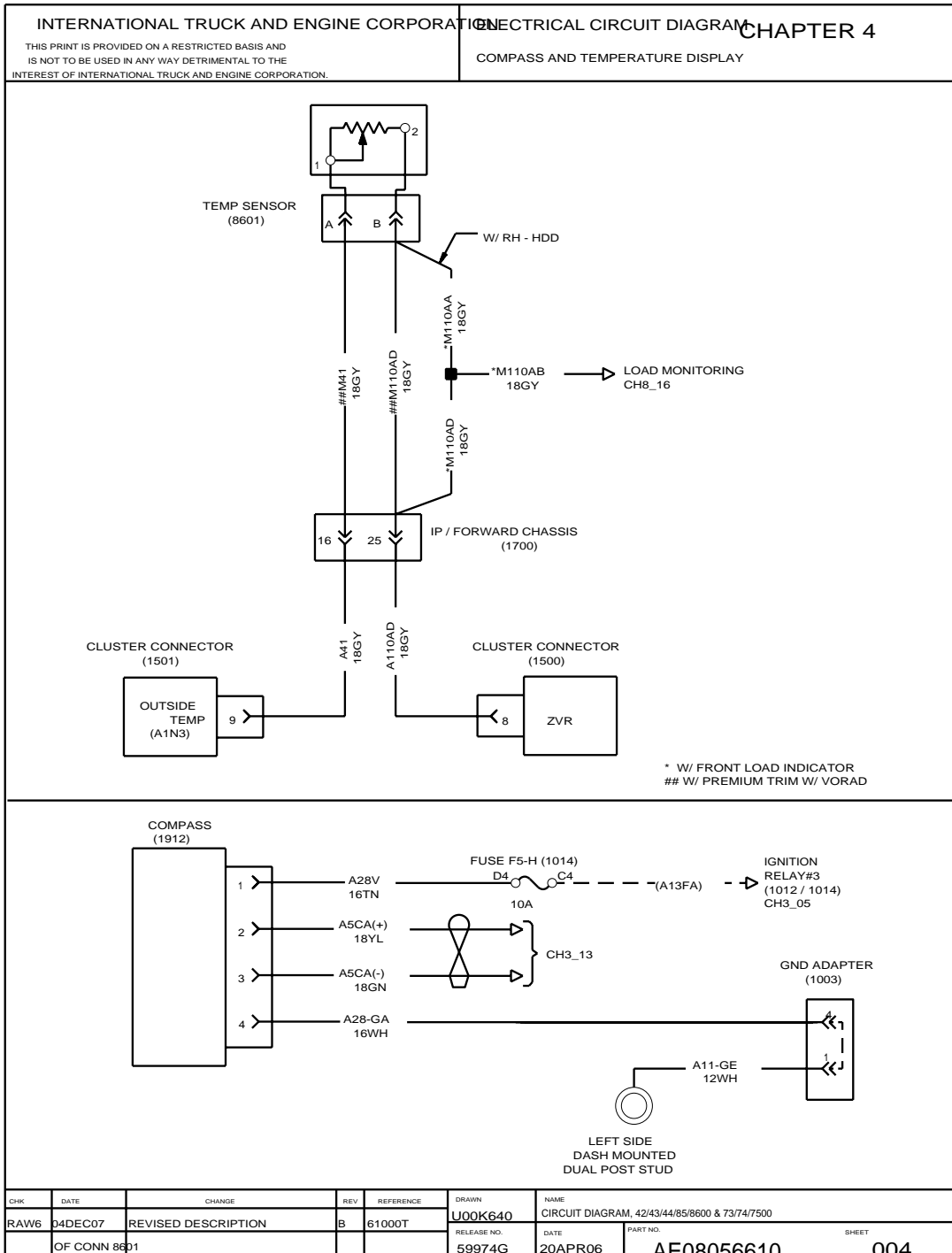


Figure 46 Compass and Temperature Display

4.5. FRONT DOOR WINDOWS AND LOCKS (POWER), P. 5

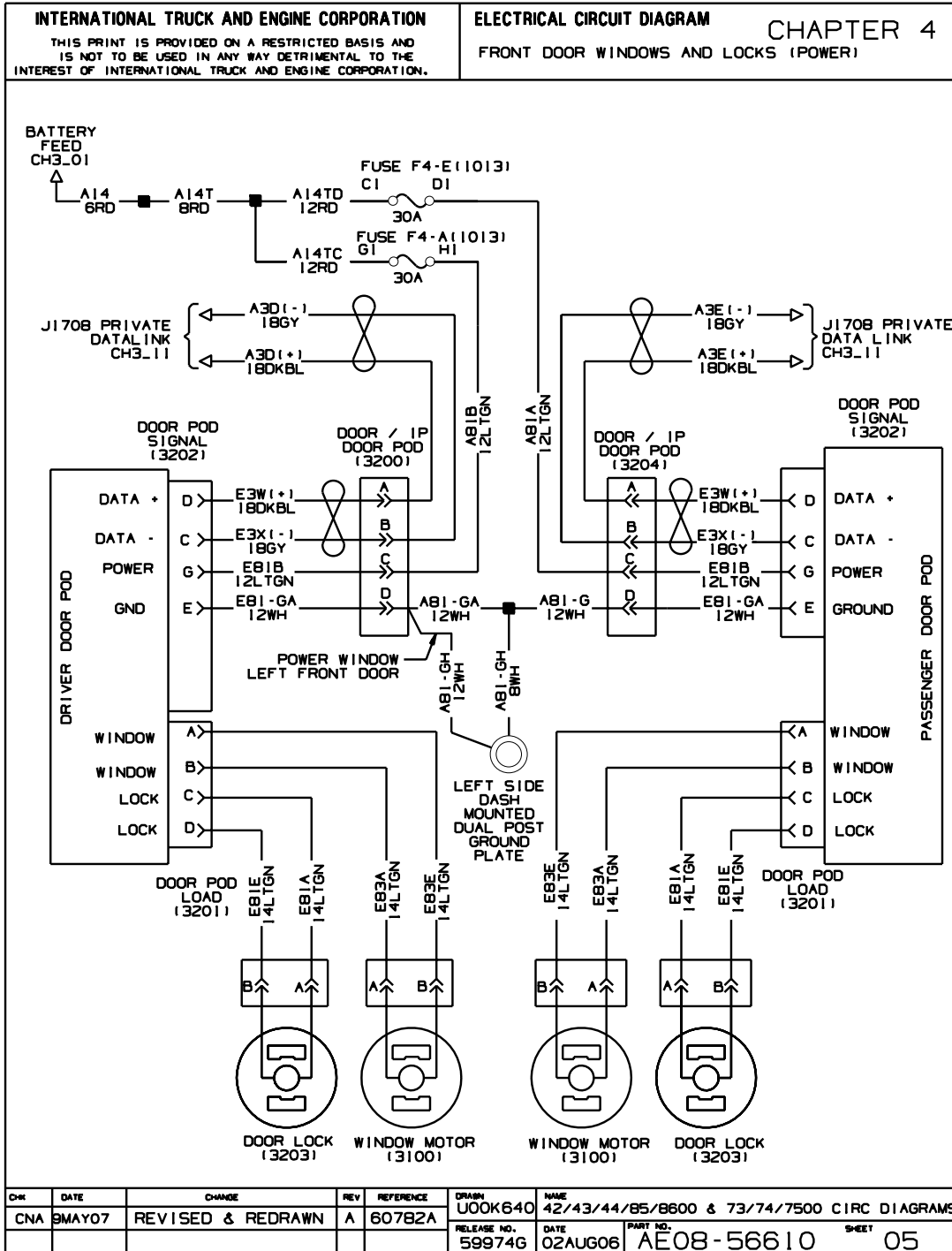


Figure 47 Front Door Windows and Locks (Power)

4.6. FRONT DOOR WINDOWS AND LOCKS (POWER) FOR CREW, P. 6

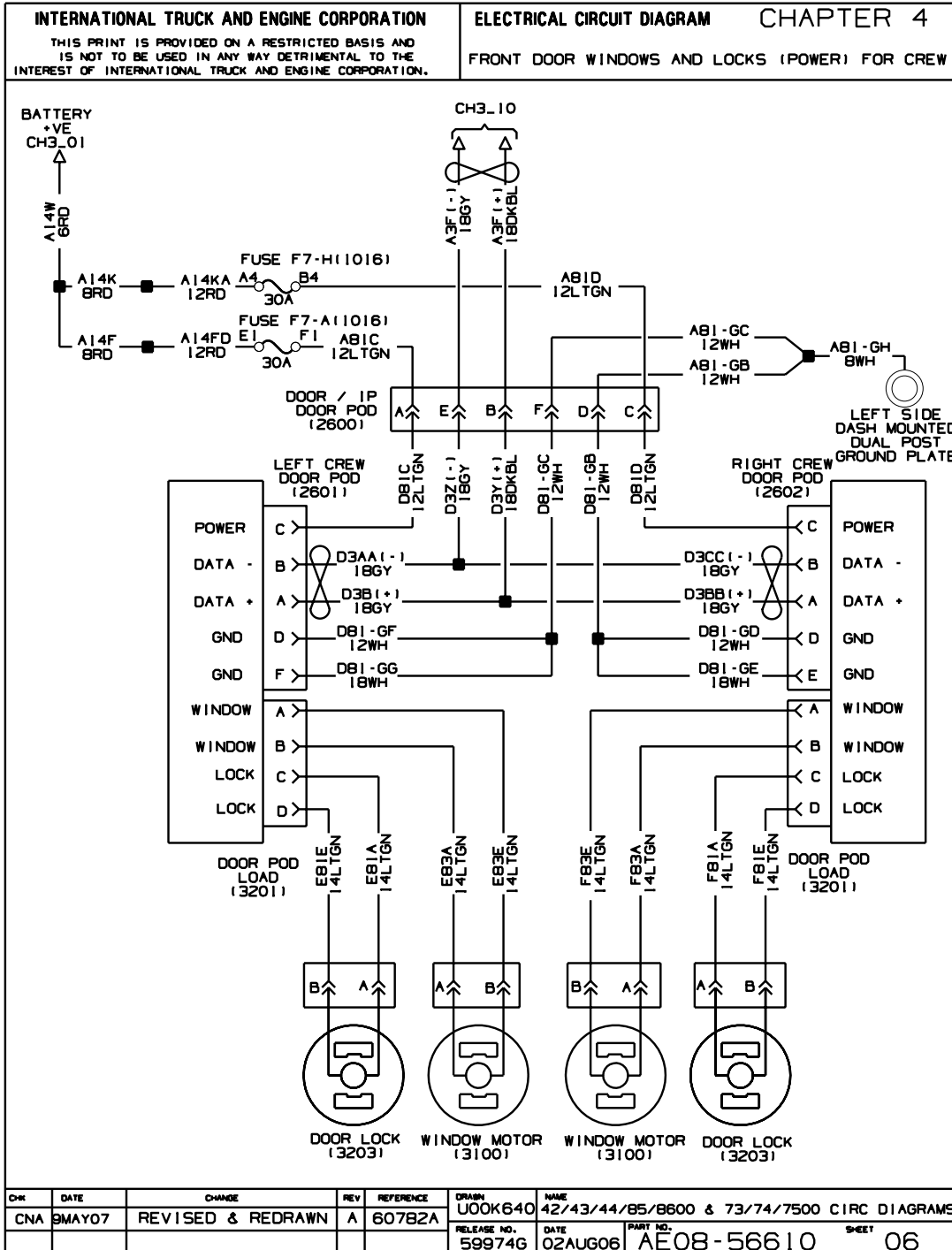


Figure 48 Front Door Windows and Locks (Power) for Crew

4.7. HORN, ELECTRIC AND AIR, P. 7

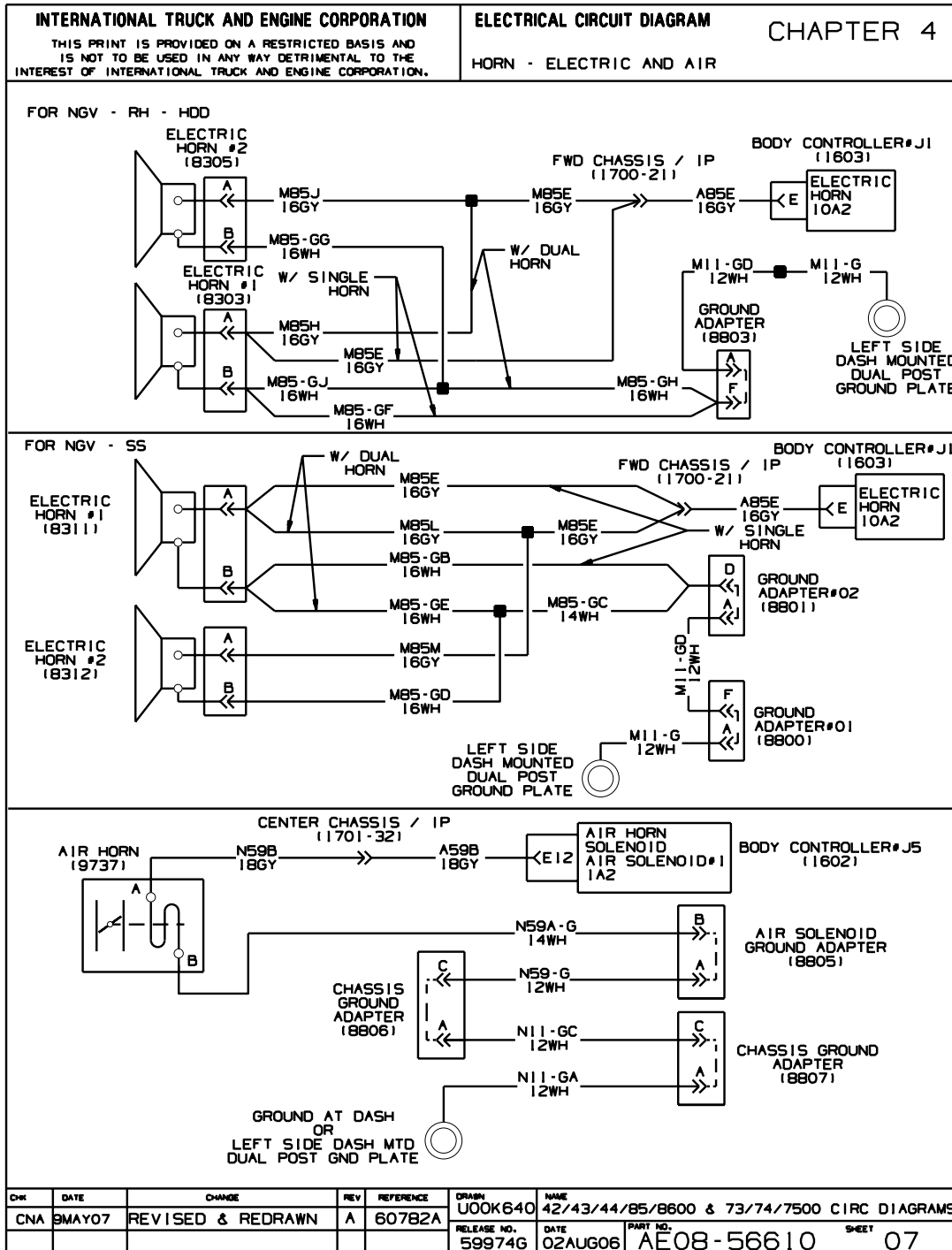


Figure 49 Horn, Electric and Air

4.8. HORN, ELECTRIC AND AIR, P. 8

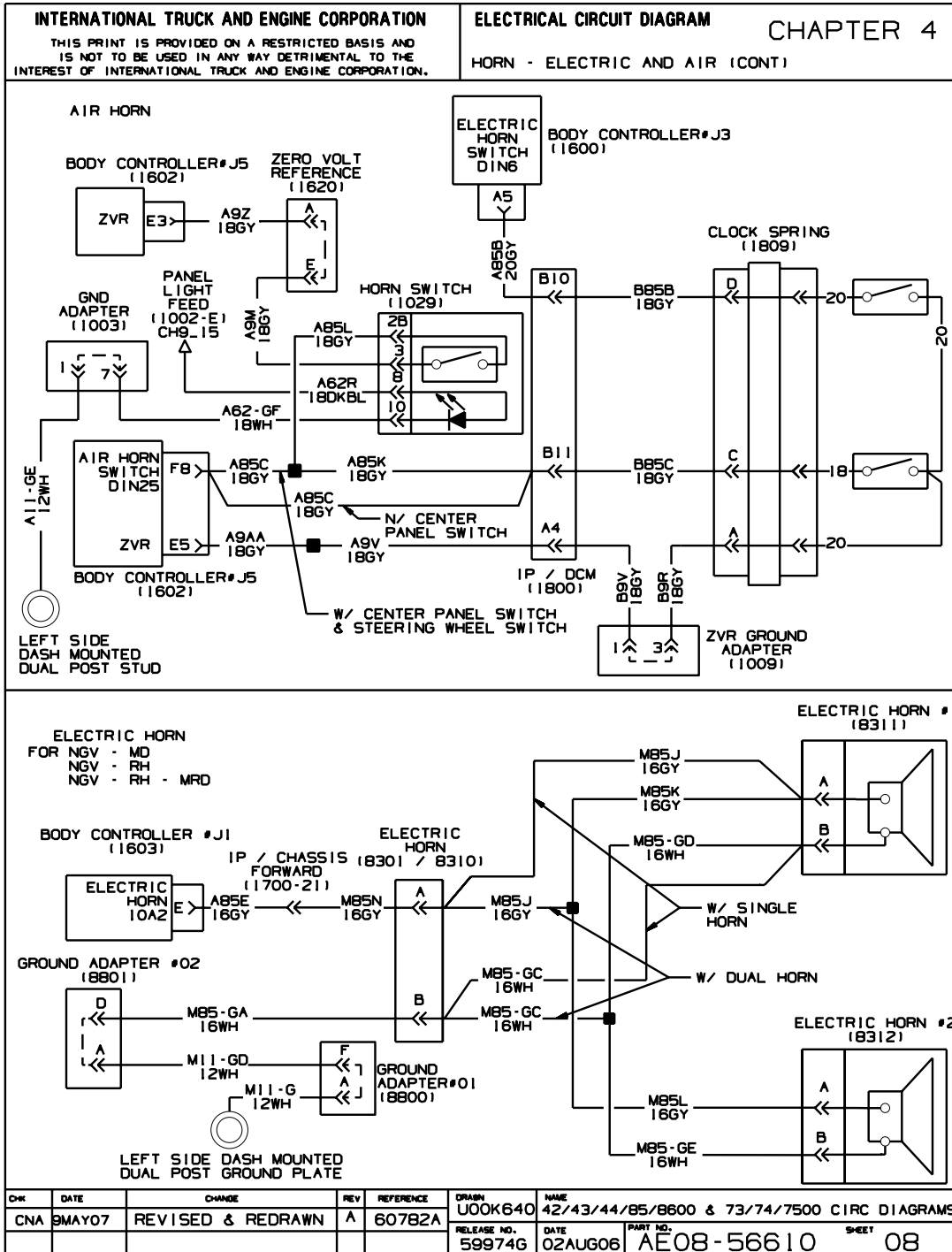


Figure 50 Horn, Electric and Air

4.9. MIRRORS (HEATED, LIGHTED AND POWER), P. 9

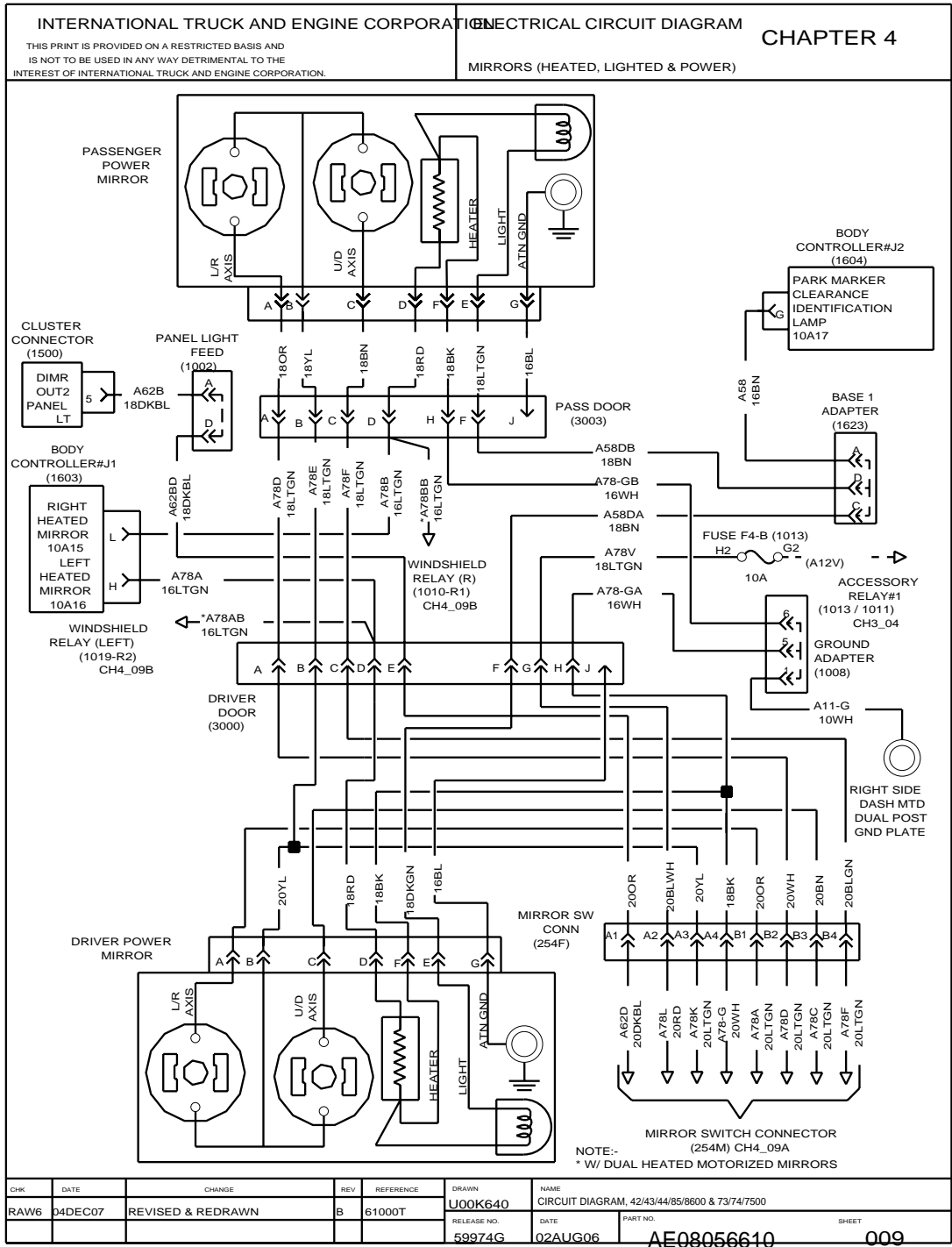


Figure 51 Mirrors (Heated, Lighted and Power)

4.10. MIRRORS (HEATED, LIGHTED AND POWER), P. 9A

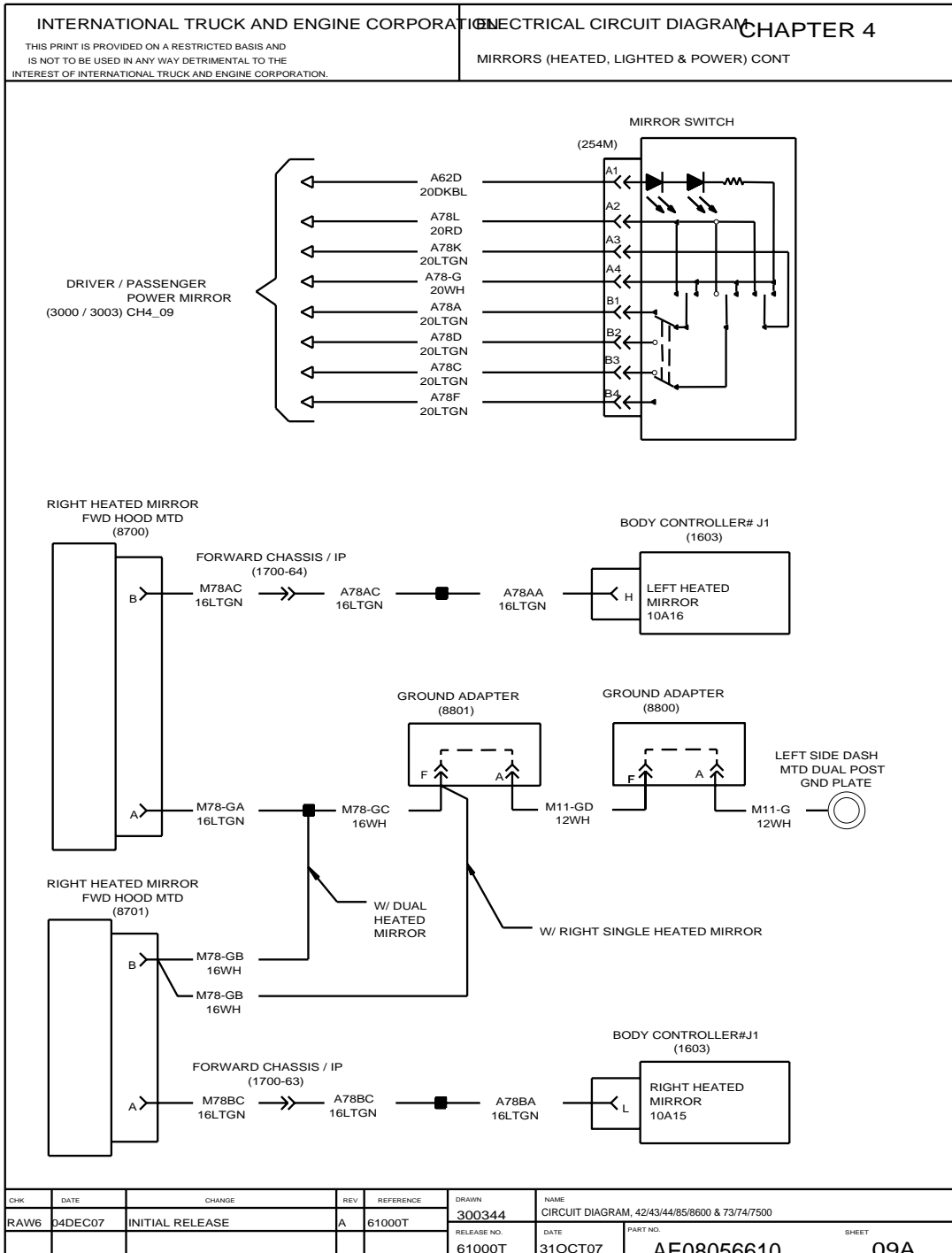


Figure 52 Mirrors (Heated, Lighted and Power)

4.11. DUAL HEATED MOTORIZED MIRRORS WITH HEATED WINDSHIELD, P. 9B

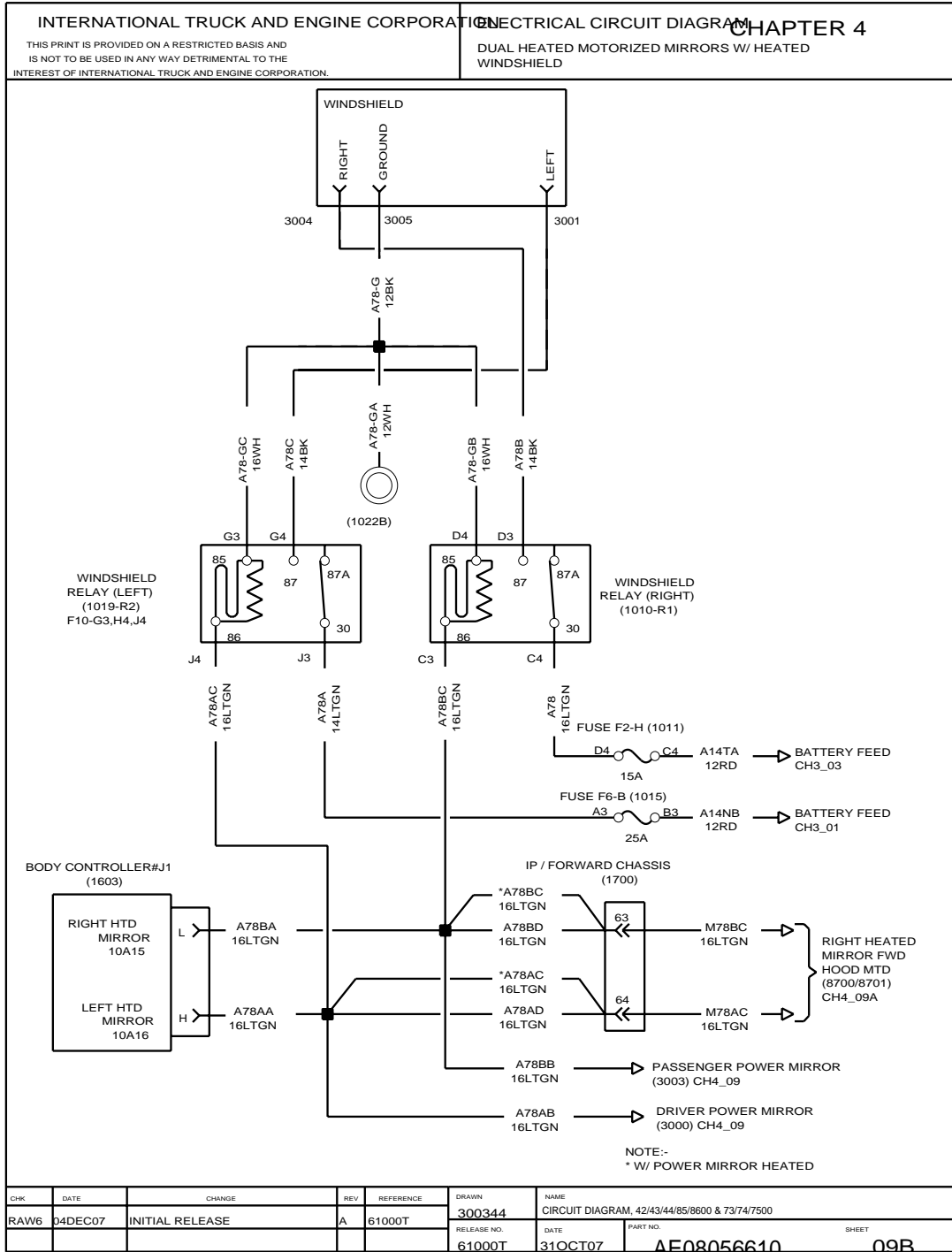


Figure 53 Dual Heated Motorized Mirrors with Heated Windshield

4.12. RADIO (ENTERTAINMENT), SPEAKERS WITH 12 WAY CONN, P. 10

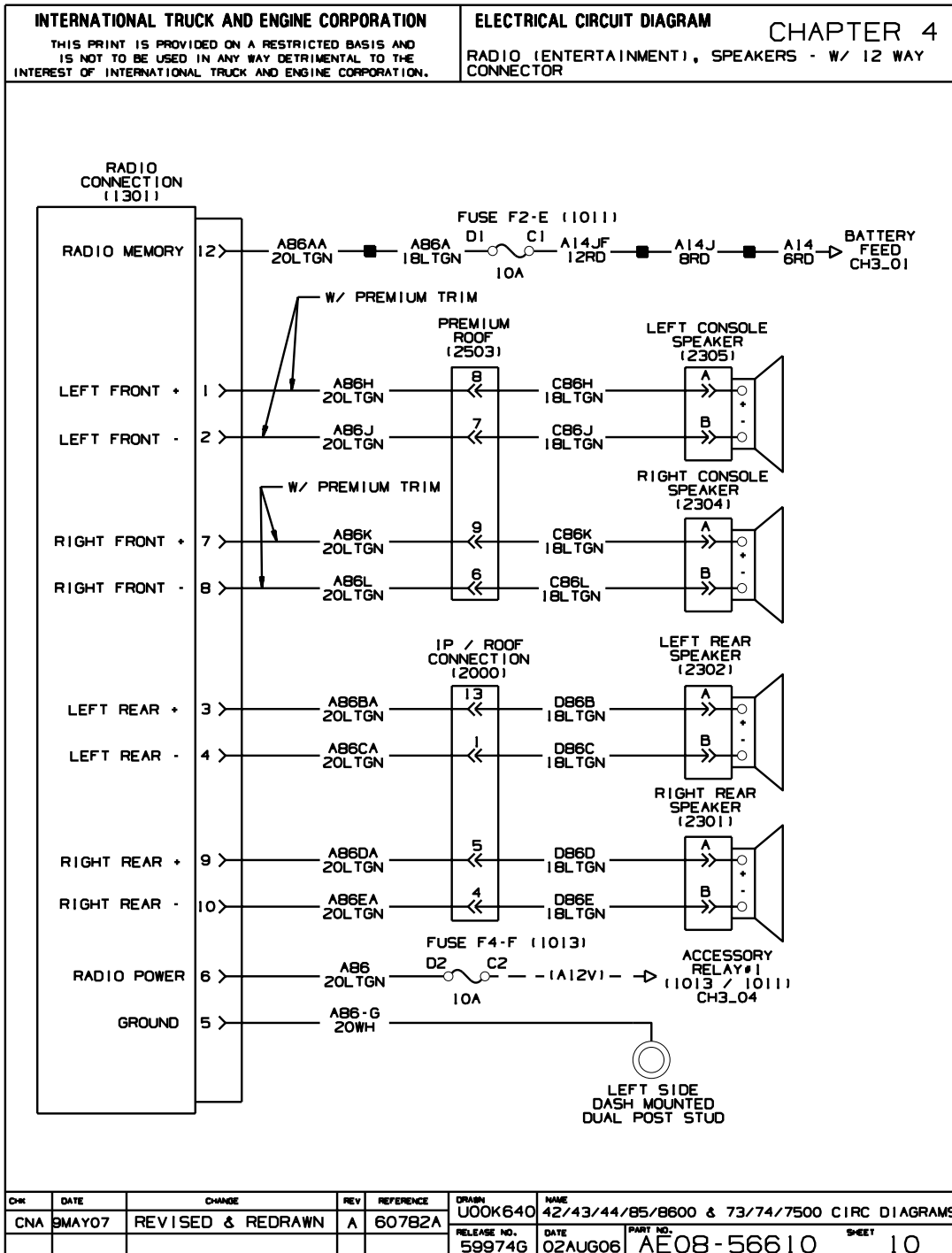


Figure 54 Radio (Entertainment), Speakers with 12 Way Conn

4.13. RADIO (ENTERTAINMENT), SPEAKERS WITH 16 WAY CONN, P. 11

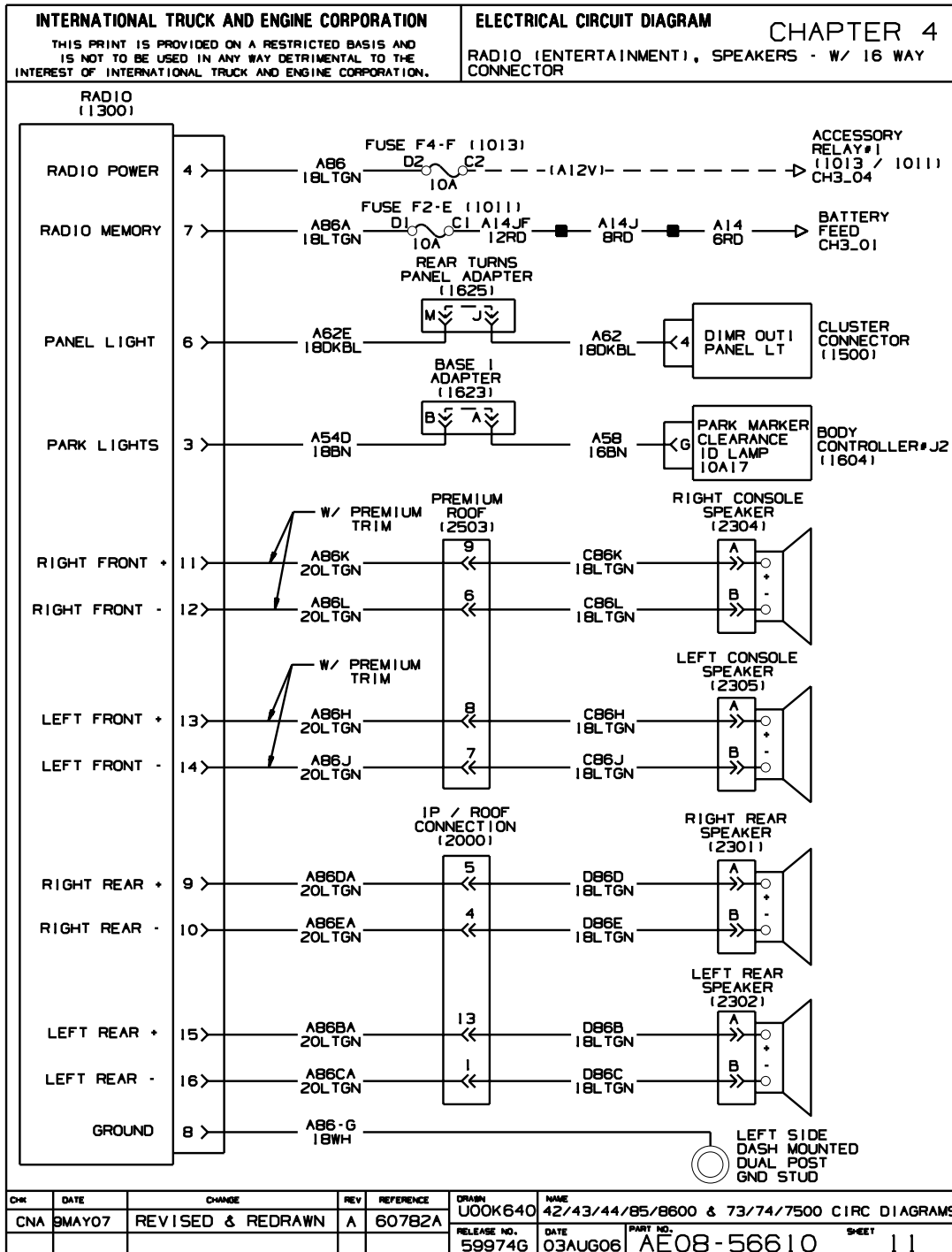


Figure 55 Radio (Entertainment), Speakers with 16 Way Connector

4.14. 2-WAY RADIO, P. 12

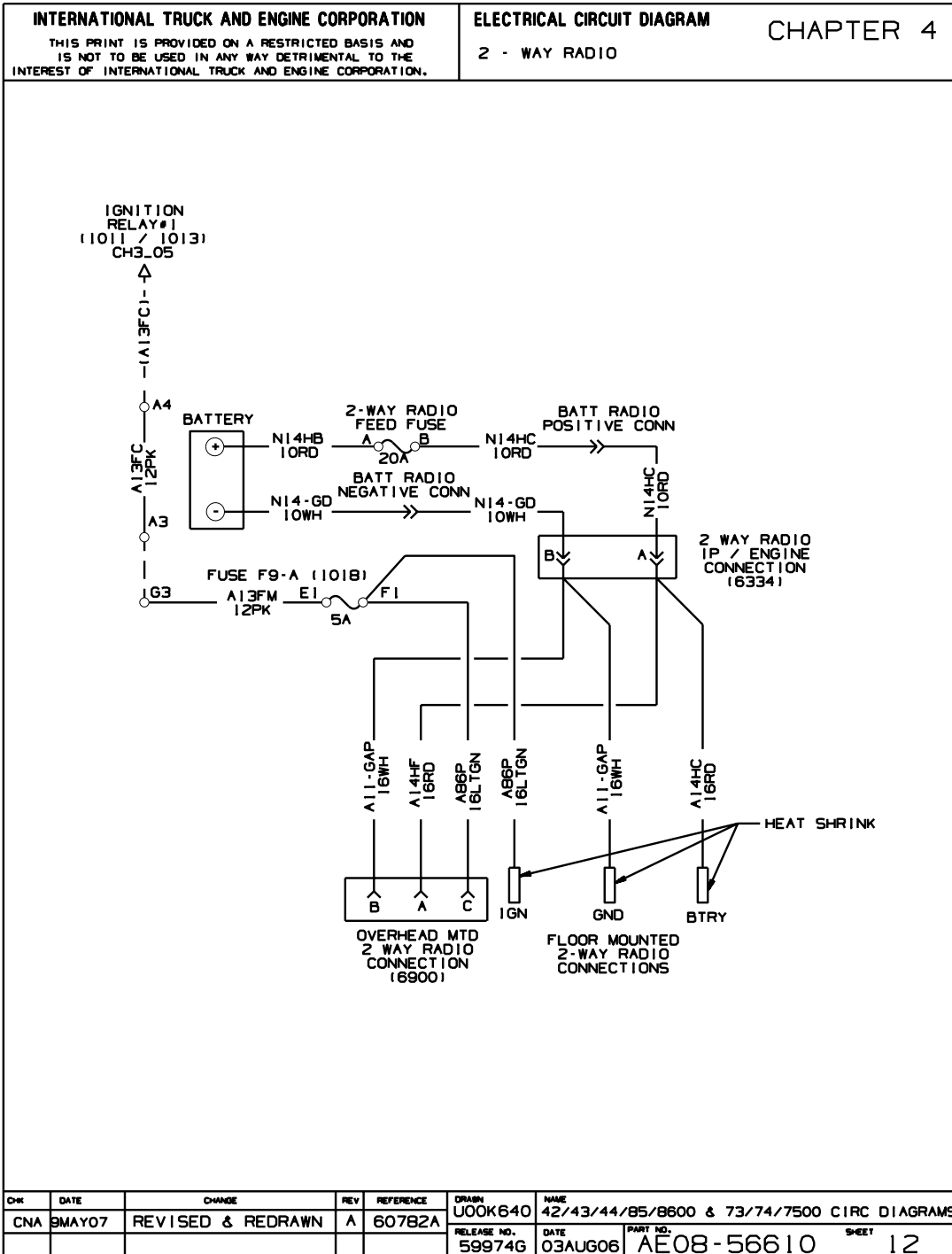


Figure 56 2-Way Radio

4.15. WINDSHIELD WIPER, P. 13

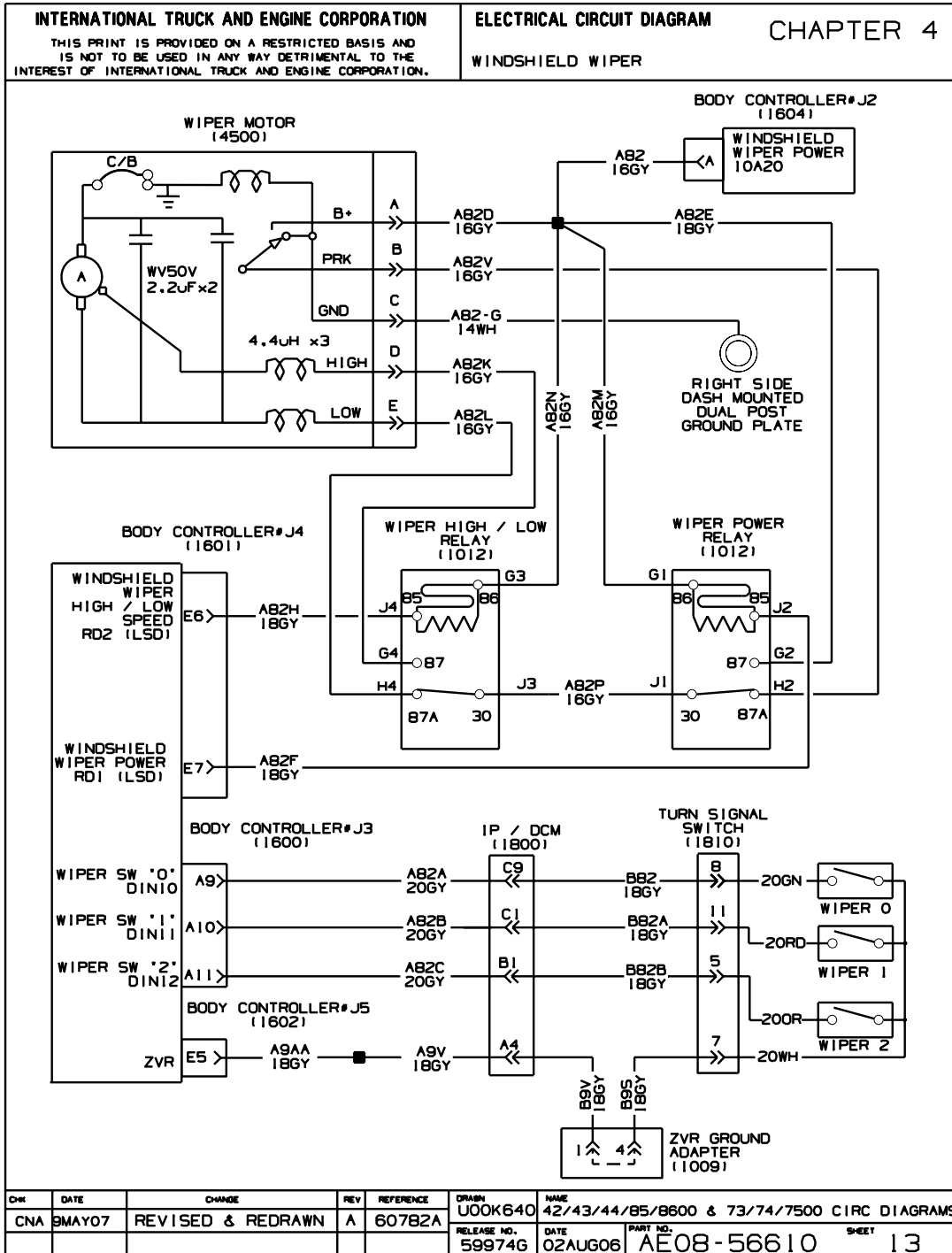


Figure 57 Windshield Wiper

4.16. WASHER PUMP, P. 14

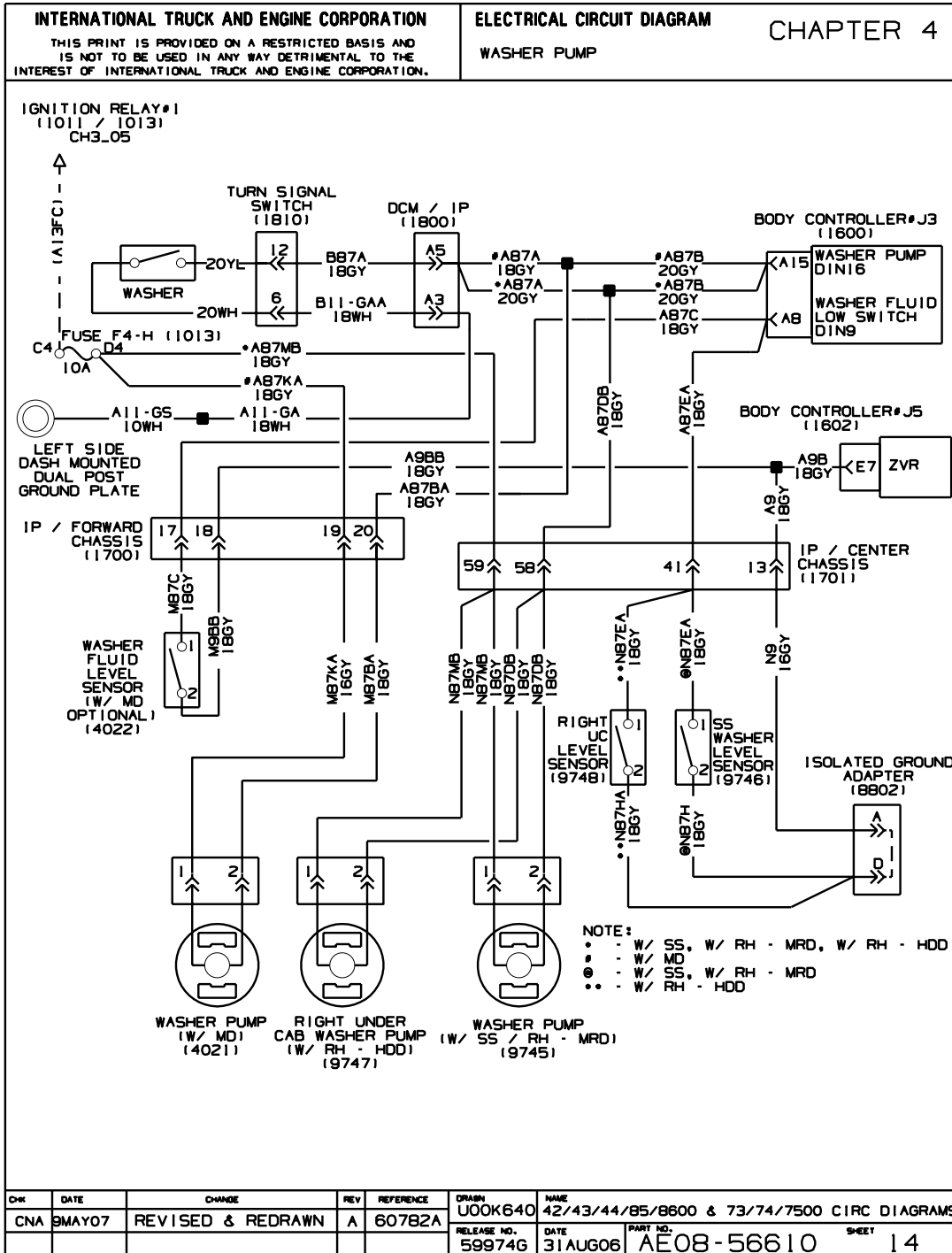


Figure 58 Washer Pump

4.17. SWITCH PACK OPTIONAL GAUGE PACK, P. 15

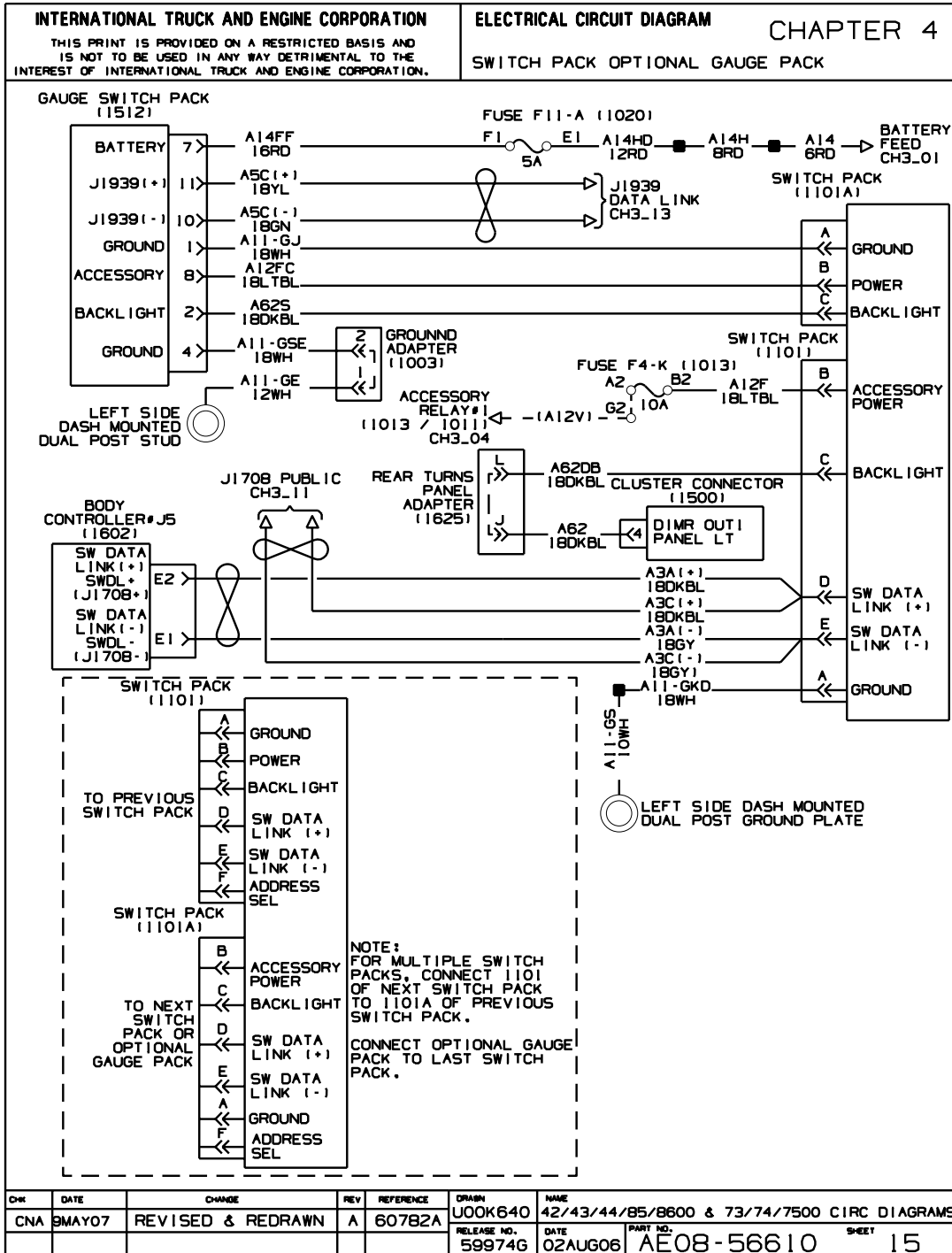


Figure 59 Switch Pack Optional Gauge Pack

4.18. ROOF AUXILIARY LOAD, P. 16

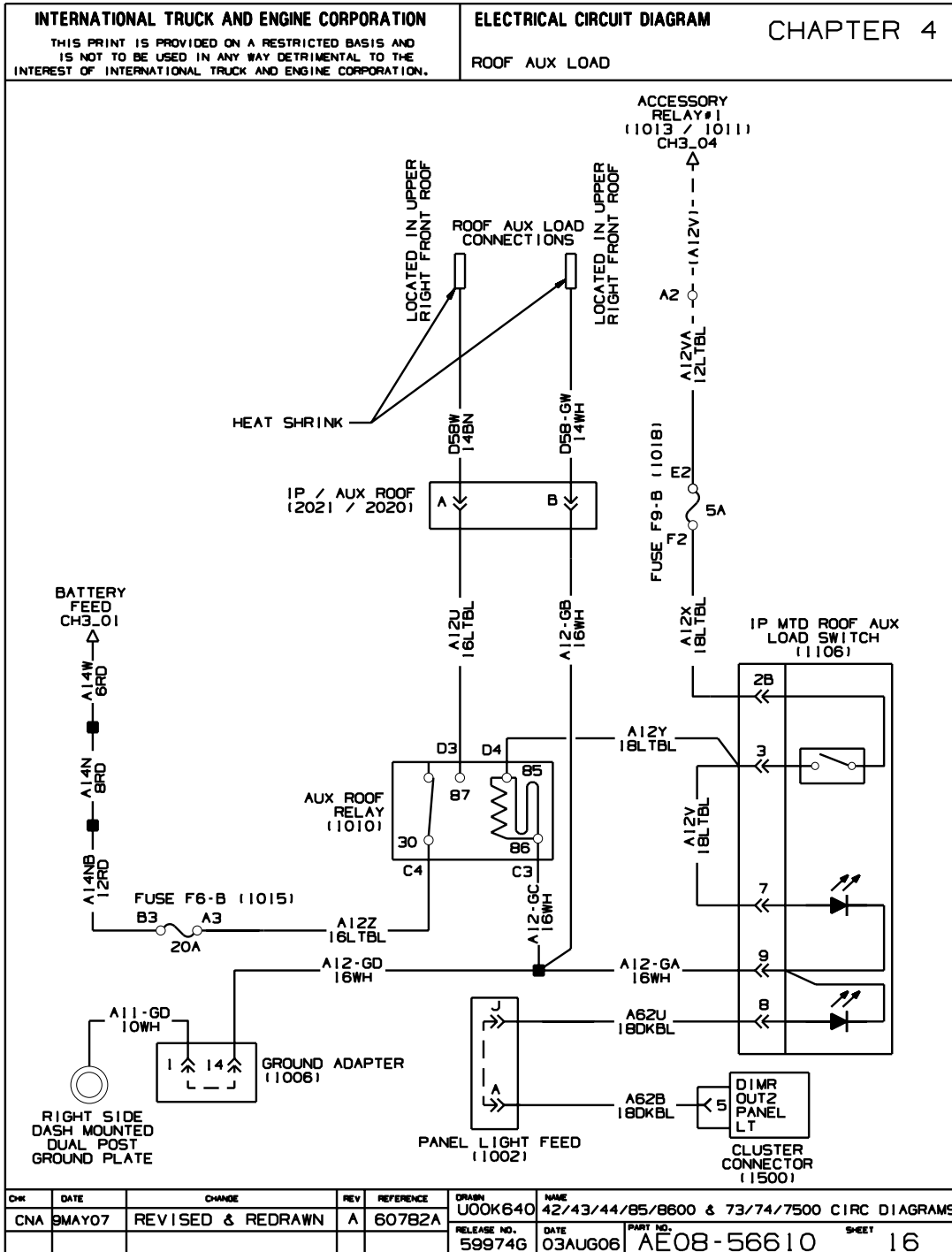


Figure 60 Roof Auxiliary Load

4.19. SATELLITE COMMUNICATION — QUALCOMM IMCT, P. 17

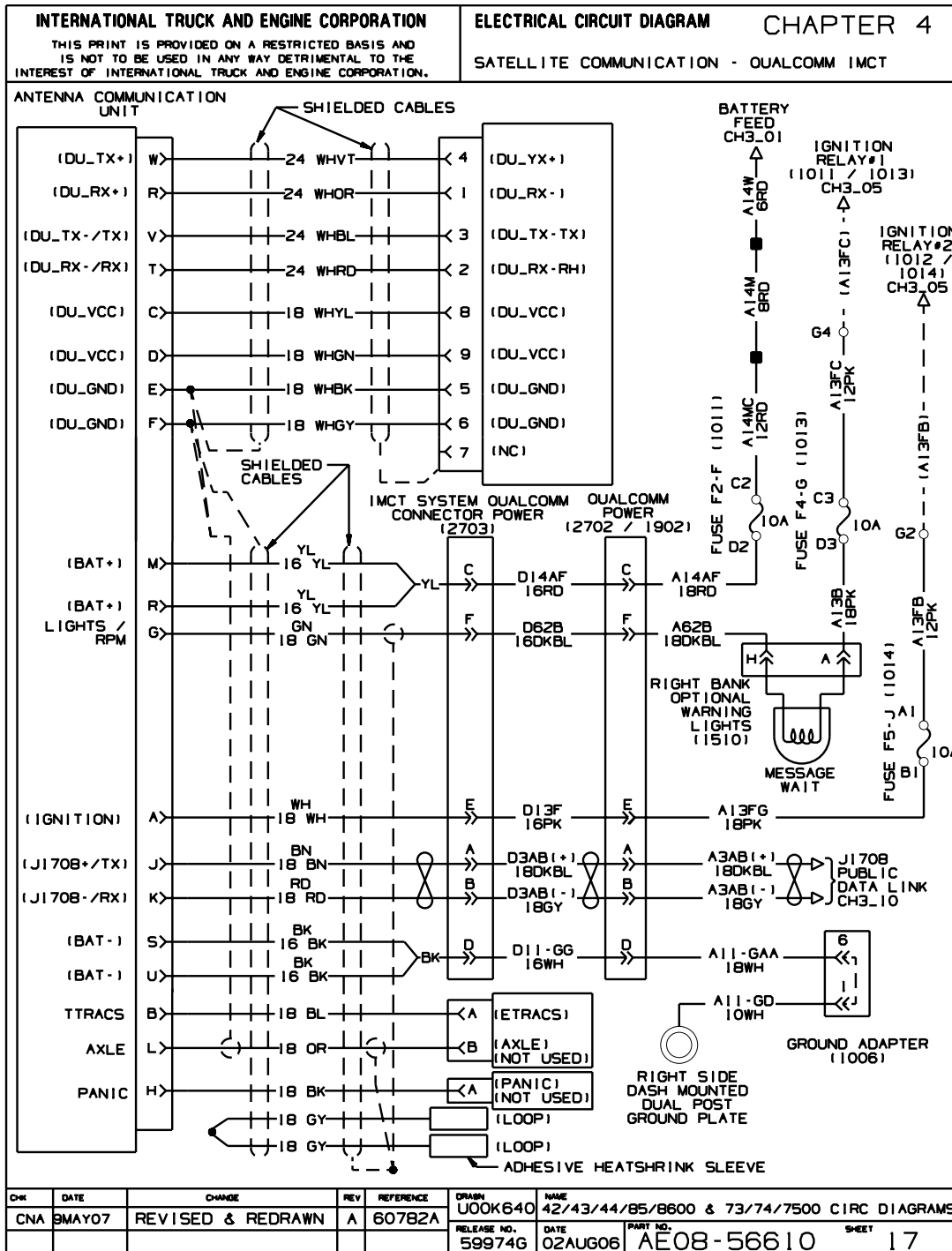


Figure 61 Satellite Communication — Qualcomm IMCT

4.21. COMPUTER PREWIRED — XATA SYSTEM, P. 19

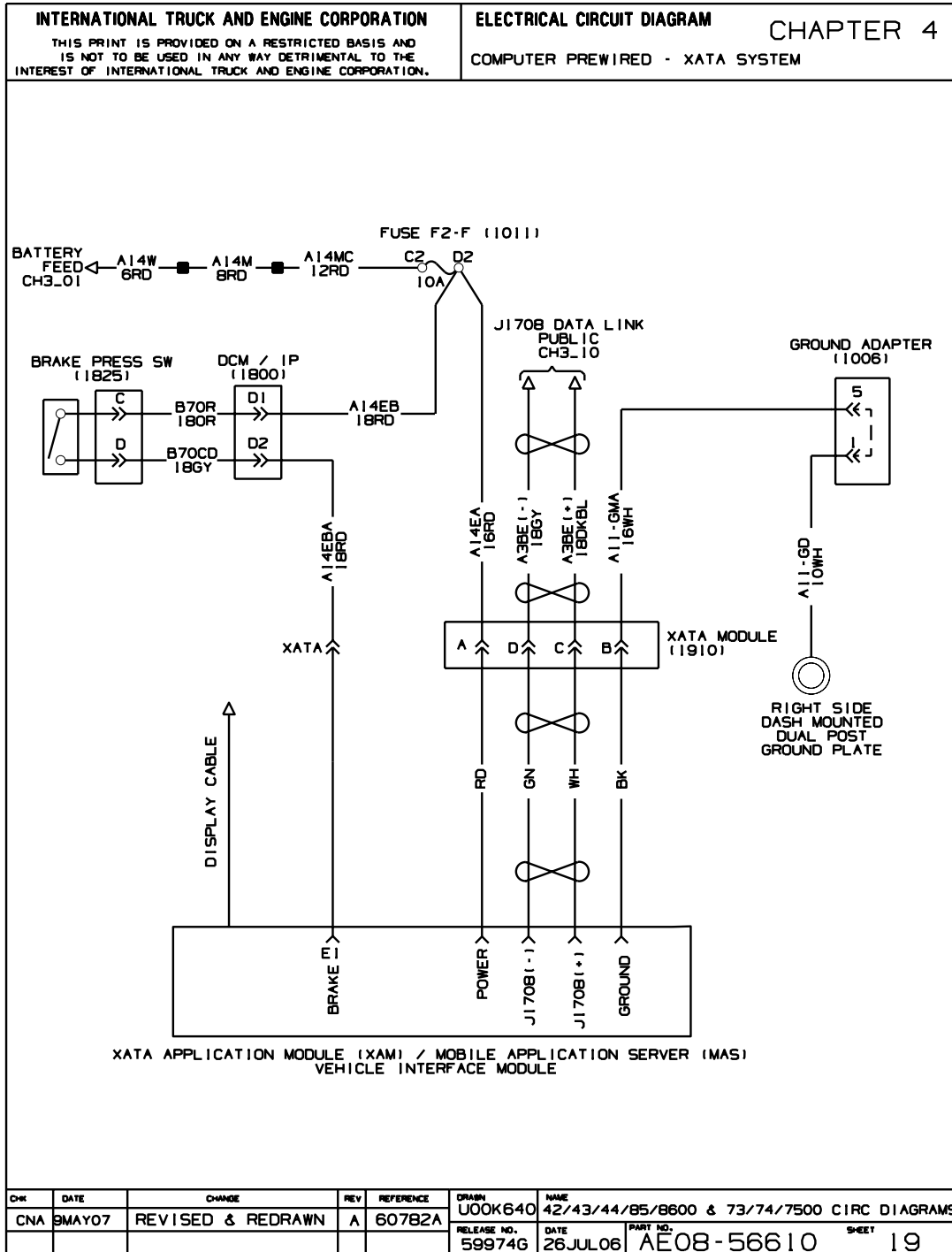


Figure 63 Computer Prewired — XATA System

4.22. CADEC GPS SYSTEM, P. 20

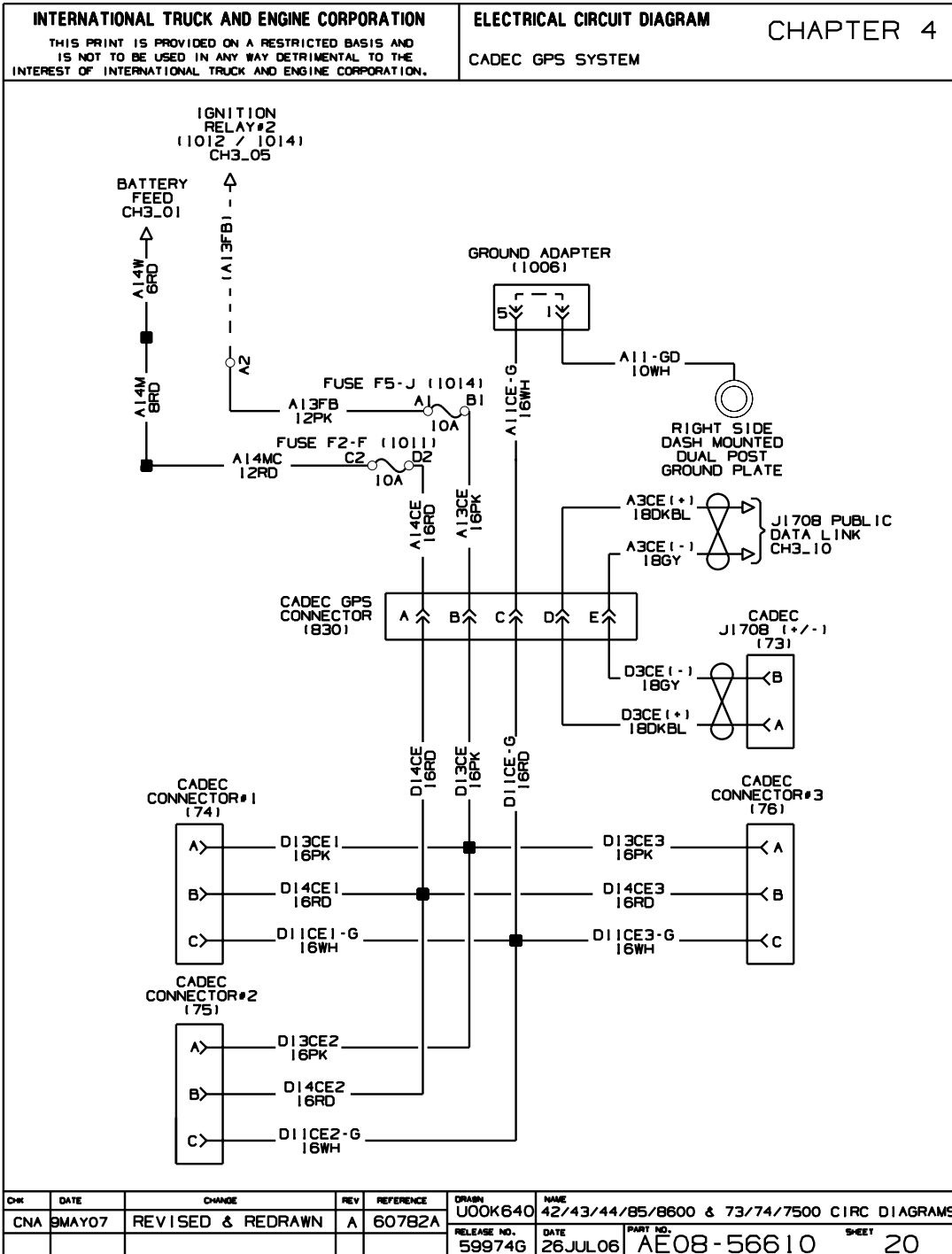


Figure 64 Cadec GPS System

4.23. SATELLITE COMMUNICATION — MOBILEMAX, P. 21

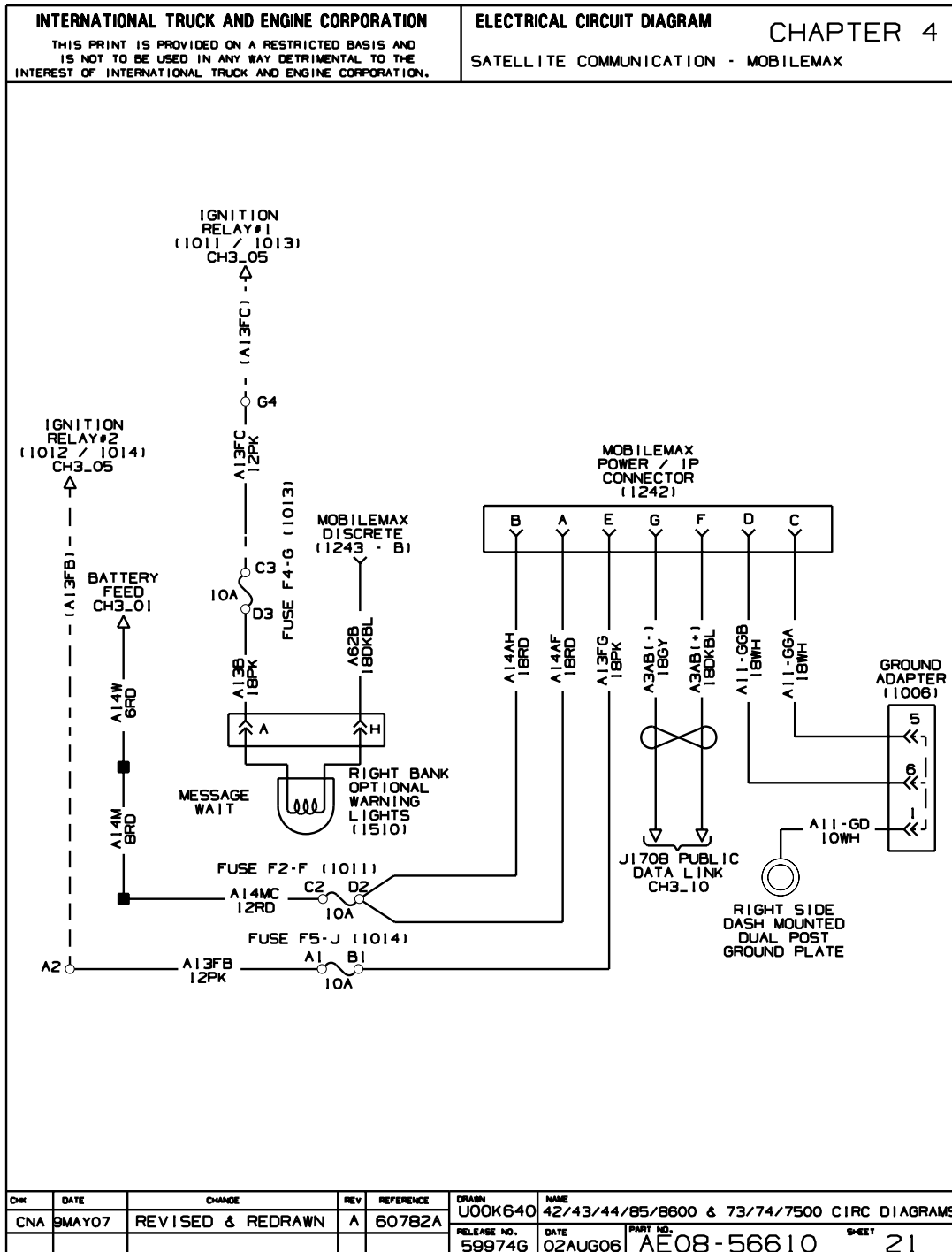


Figure 65 Satellite Communication — MobileMax

4.24. SELF CONTAINED AIR SEAT, P. 22

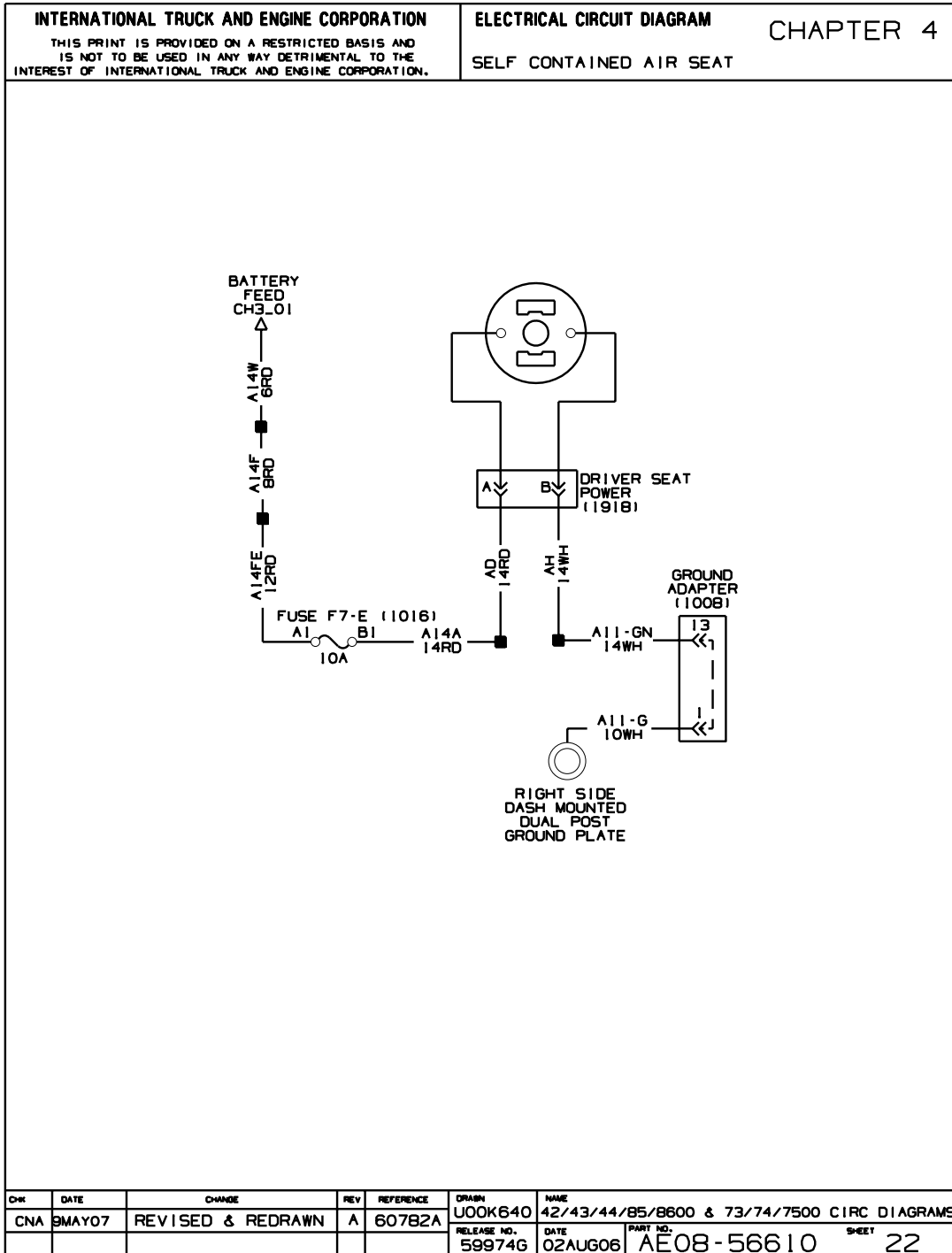


Figure 66 Self Contained Air Seat

4.25. HEATED SEATS, P. 23

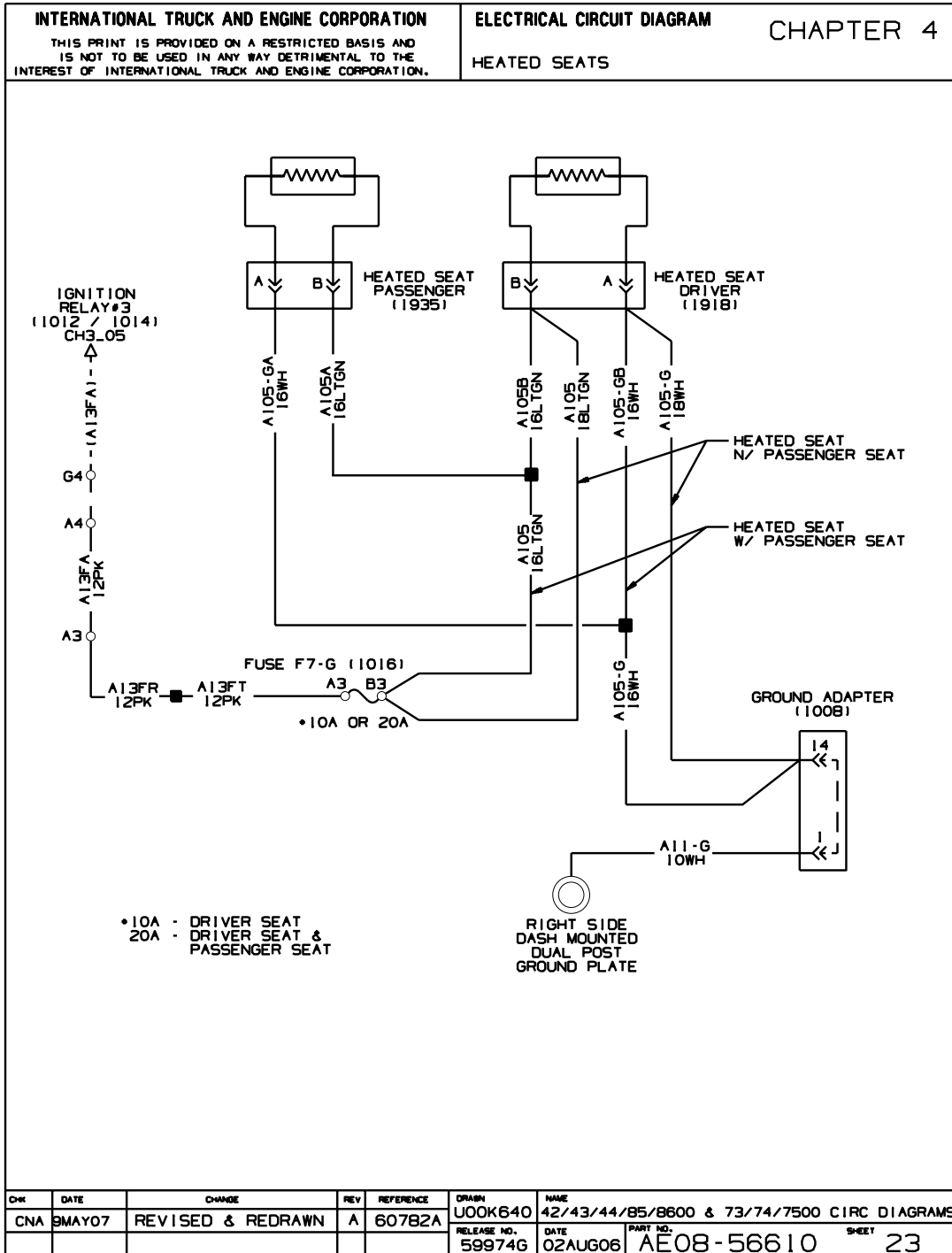


Figure 67 Heated Seats

4.26. TELEMATICS SYSTEM, P. 24

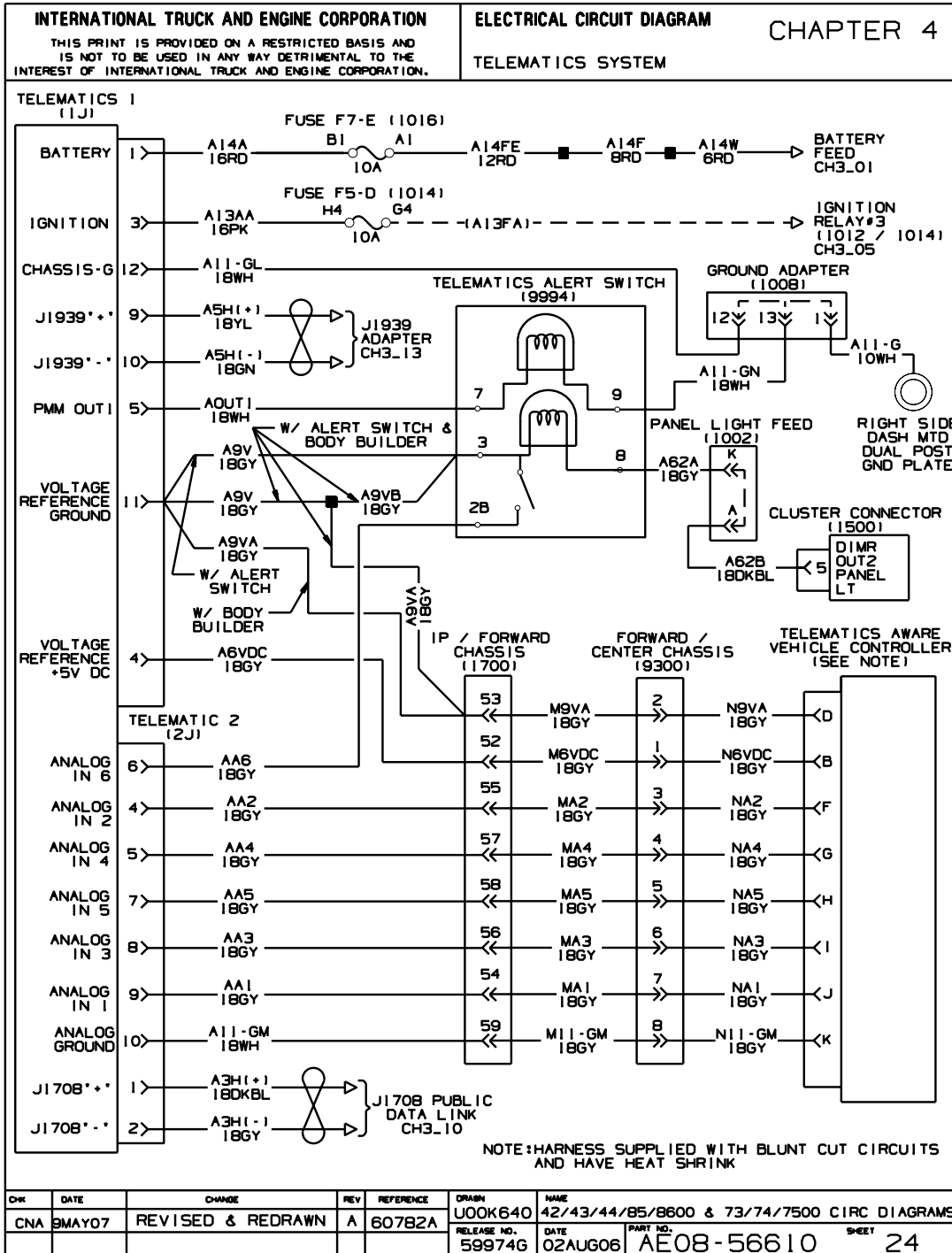


Figure 68 Telematics System

4.27. EATON VORAD COLLISION AVOIDANCE SYSTEM, P. 25

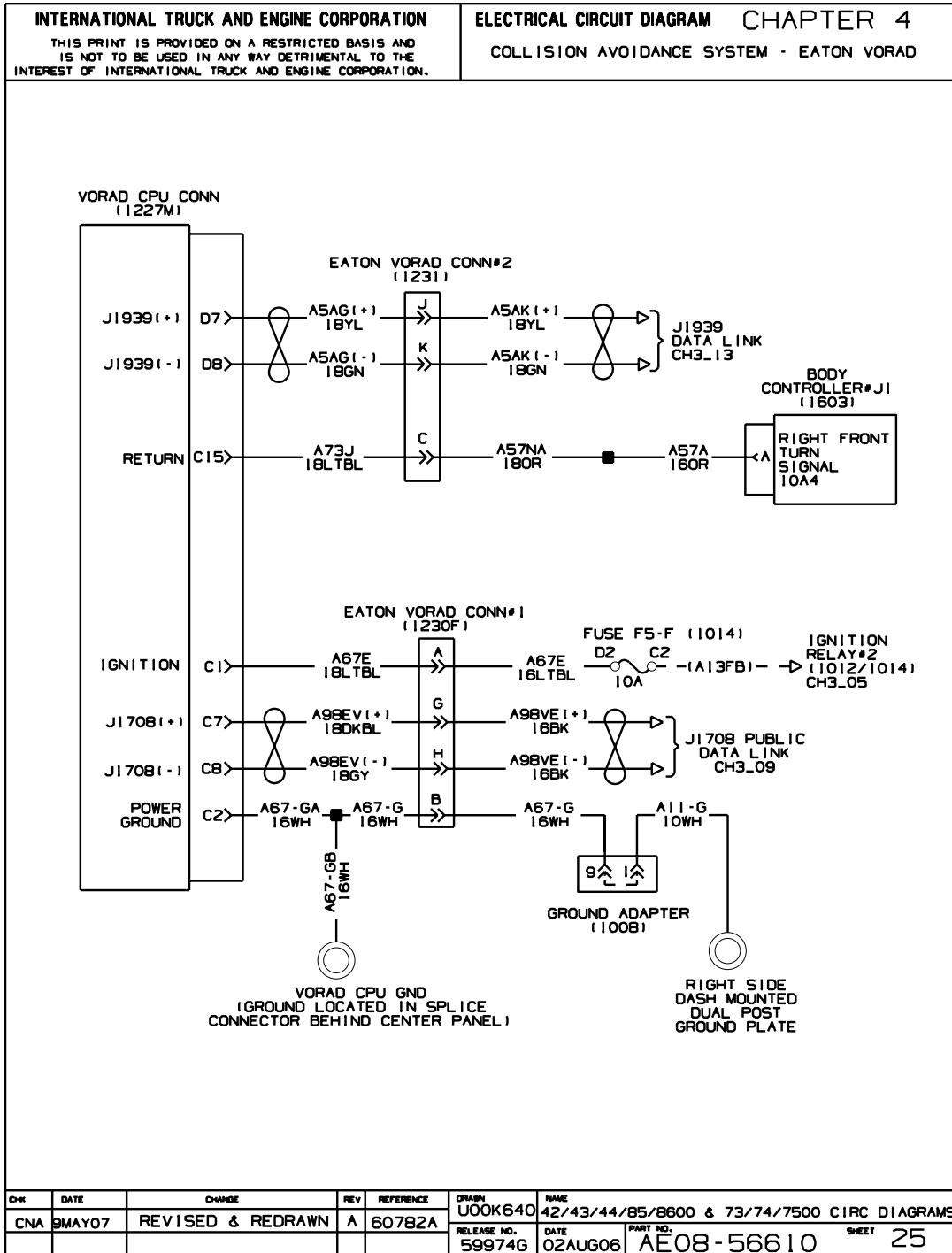


Figure 69 Eaton Vorad Collision Avoidance System

4.28. EATON VORAD COLLISION AVOIDANCE SYSTEM, P. 26

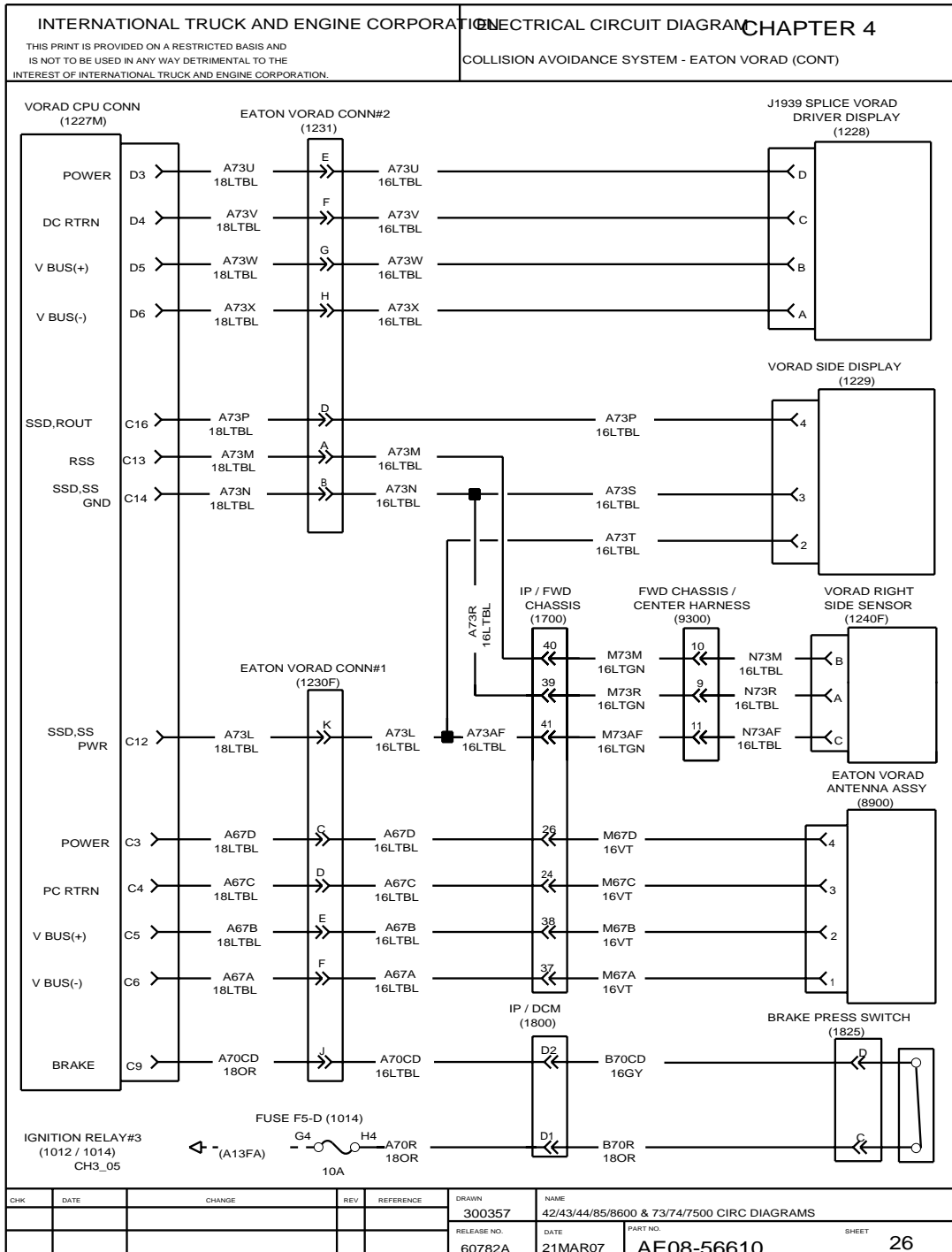


Figure 70 Eaton Vorad Collision Avoidance System

4.29. DRIVER DISPLAY, P. 27

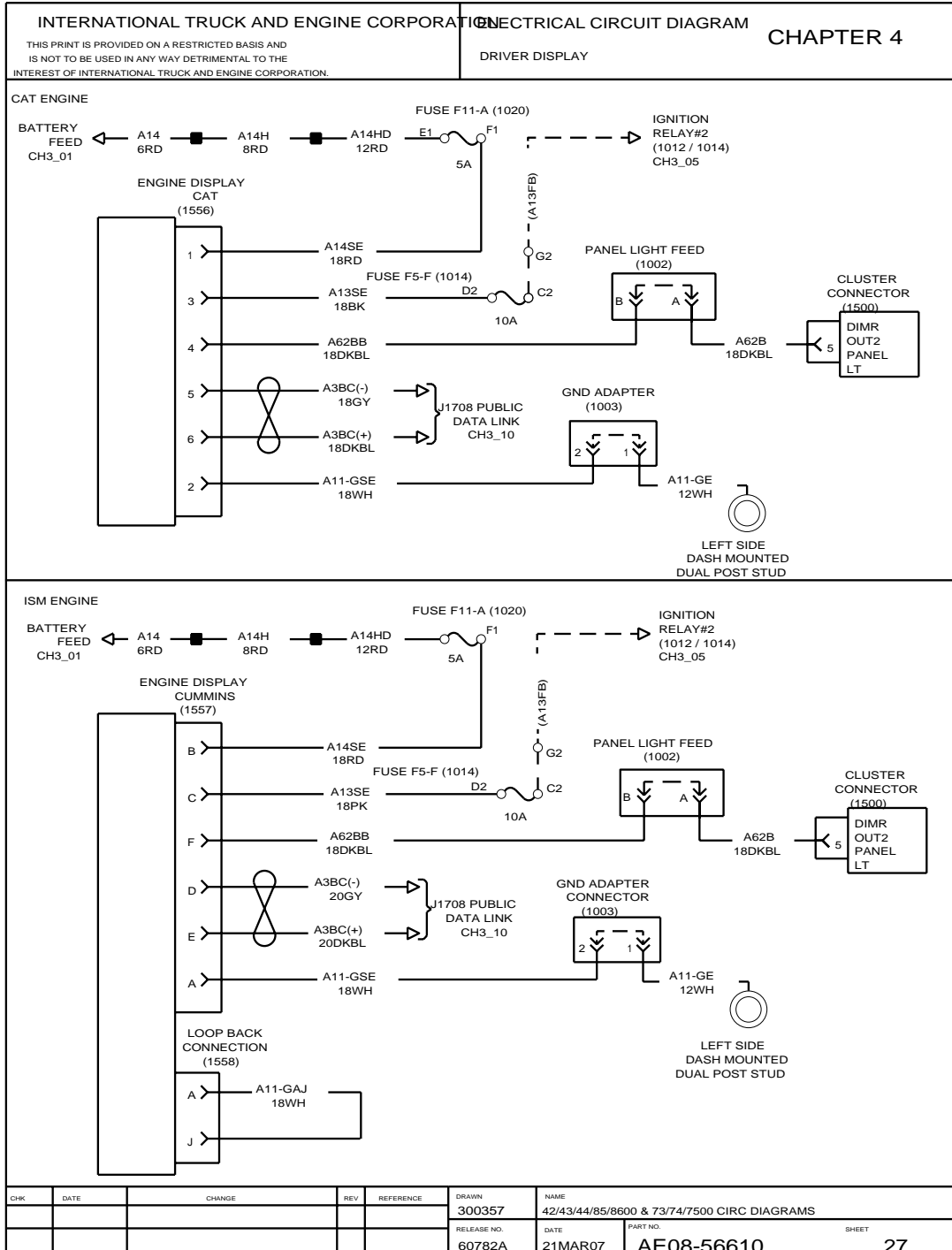


Figure 71 Driver Display

4.30. BACK-UP CAMERA, P. 28

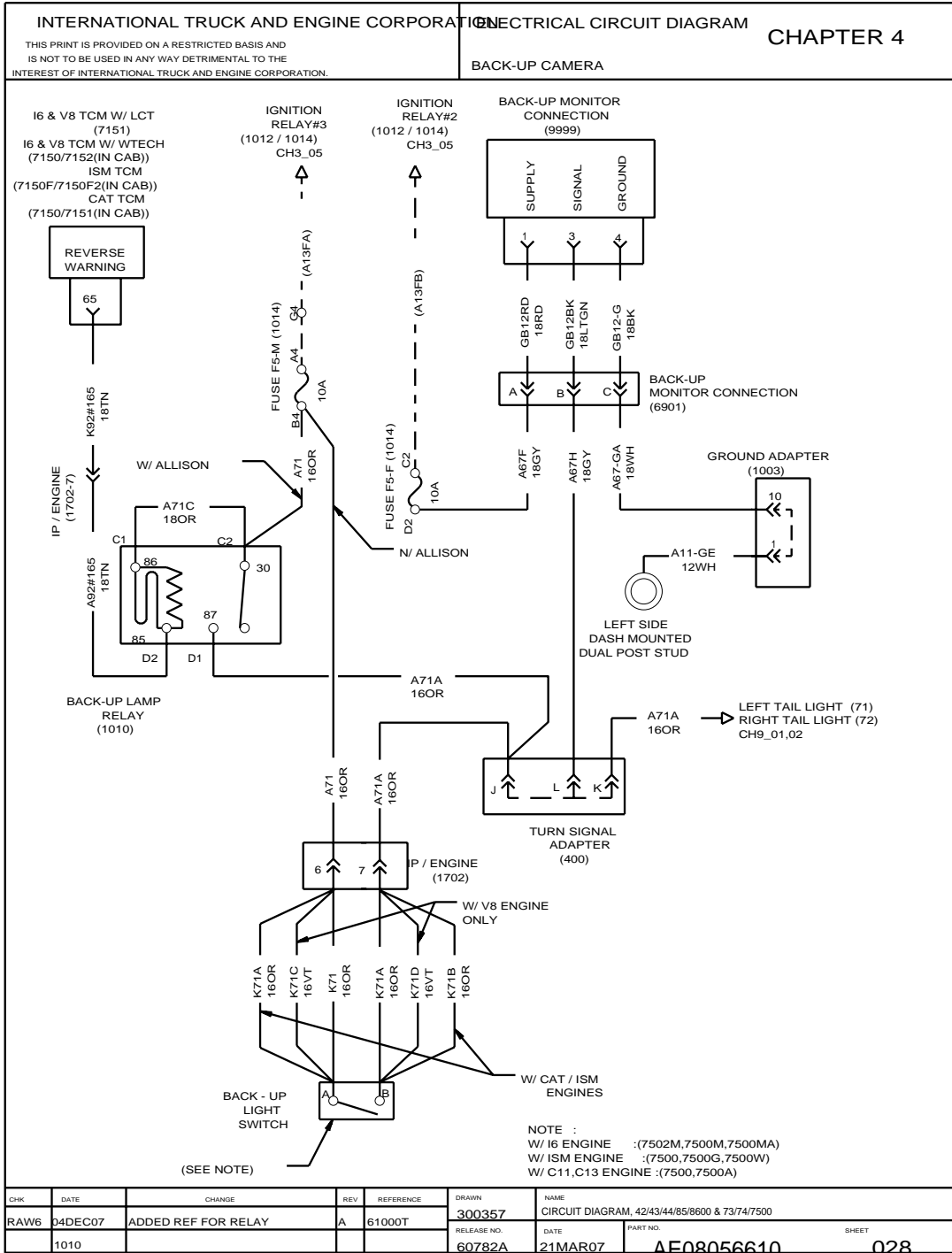


Figure 72 Back-Up Camera

4.31. SATELLITE COMMUNICATION — QUALCOMM MCT, P. 29

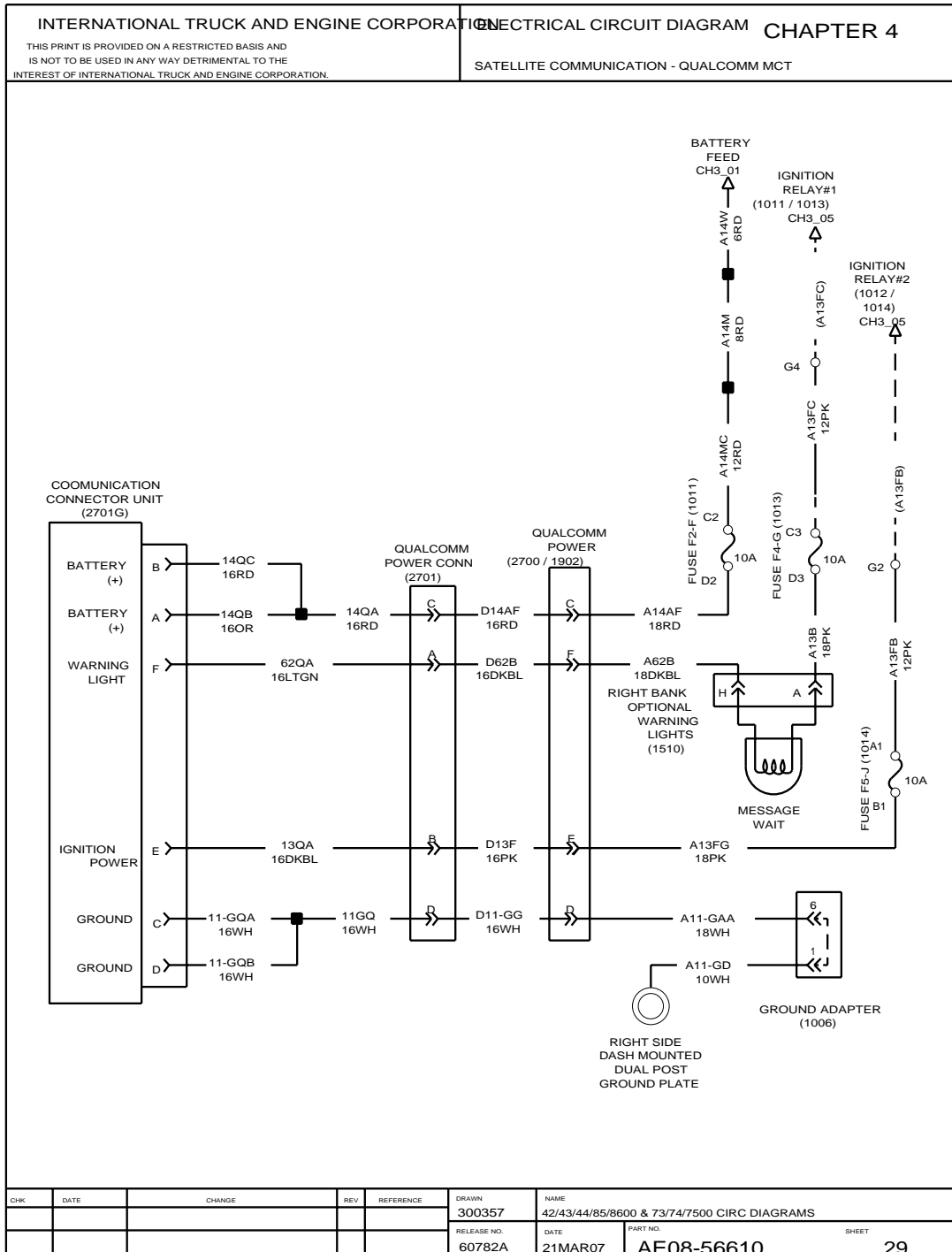


Figure 73 Satellite Communication — Qualcomm MCT

**4.32. SATELLITE COMMUNICATION — QUALCOMM MCT WITH MVPC KEYBOARD,
 P. 30**

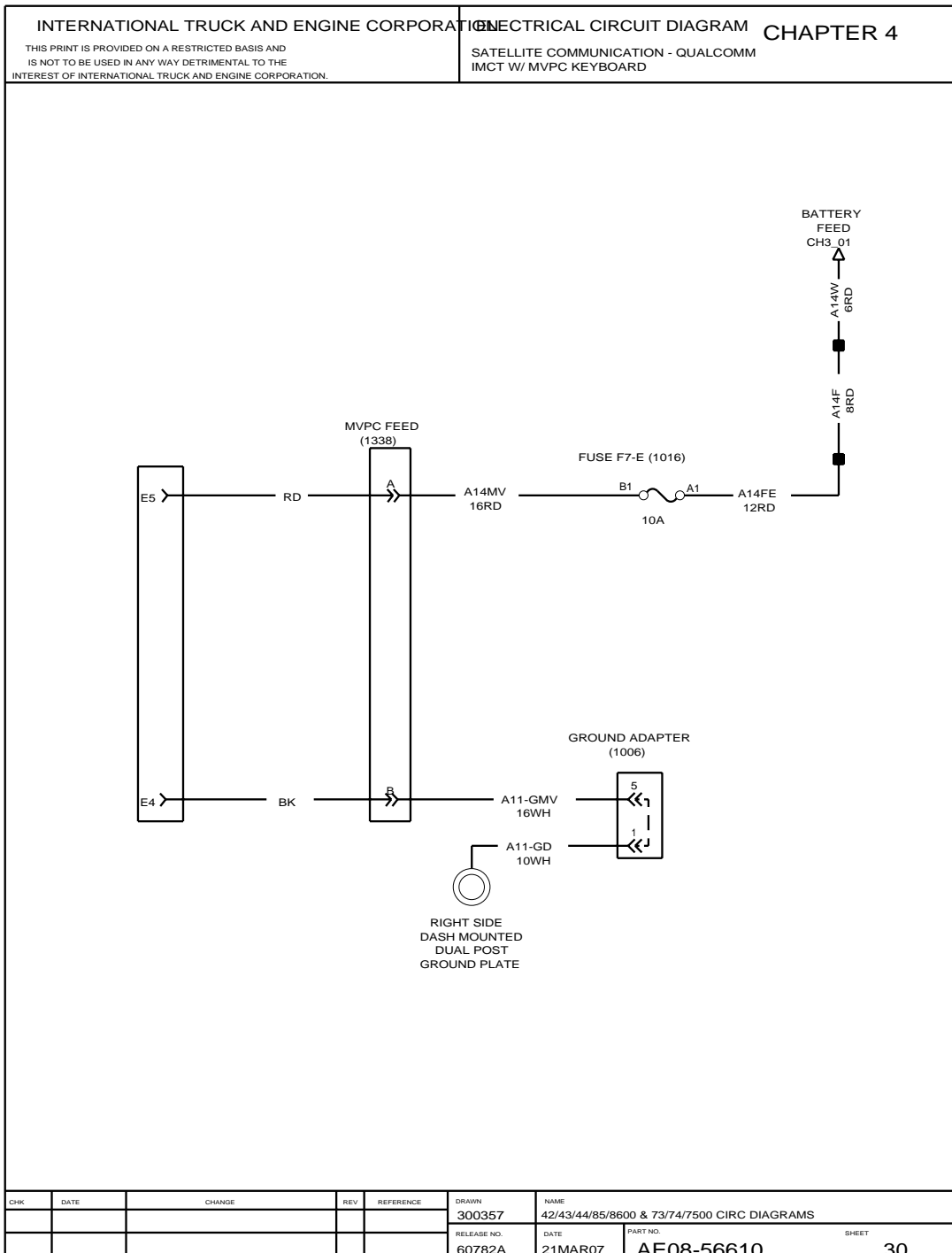


Figure 74 Satellite Communication — Qualcomm MCT with MVPC Keyboard

4.33. SATELLITE COMMUNICATION — QUALCOMM TMCT, P. 31

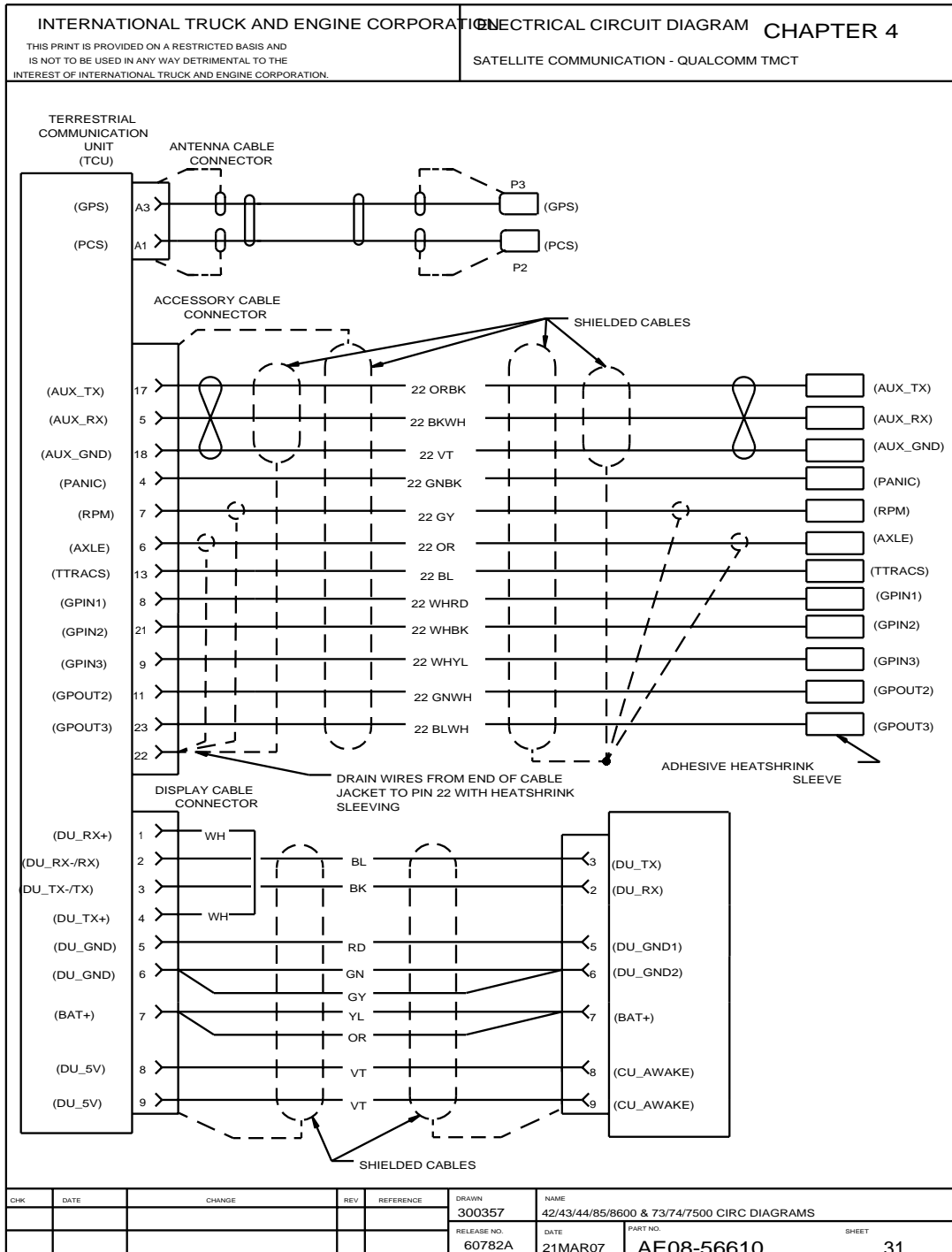


Figure 75 Satellite Communication — Qualcomm TMCT

4.34. SATELLITE COMMUNICATION — QUALCOMM TMCT, P. 32

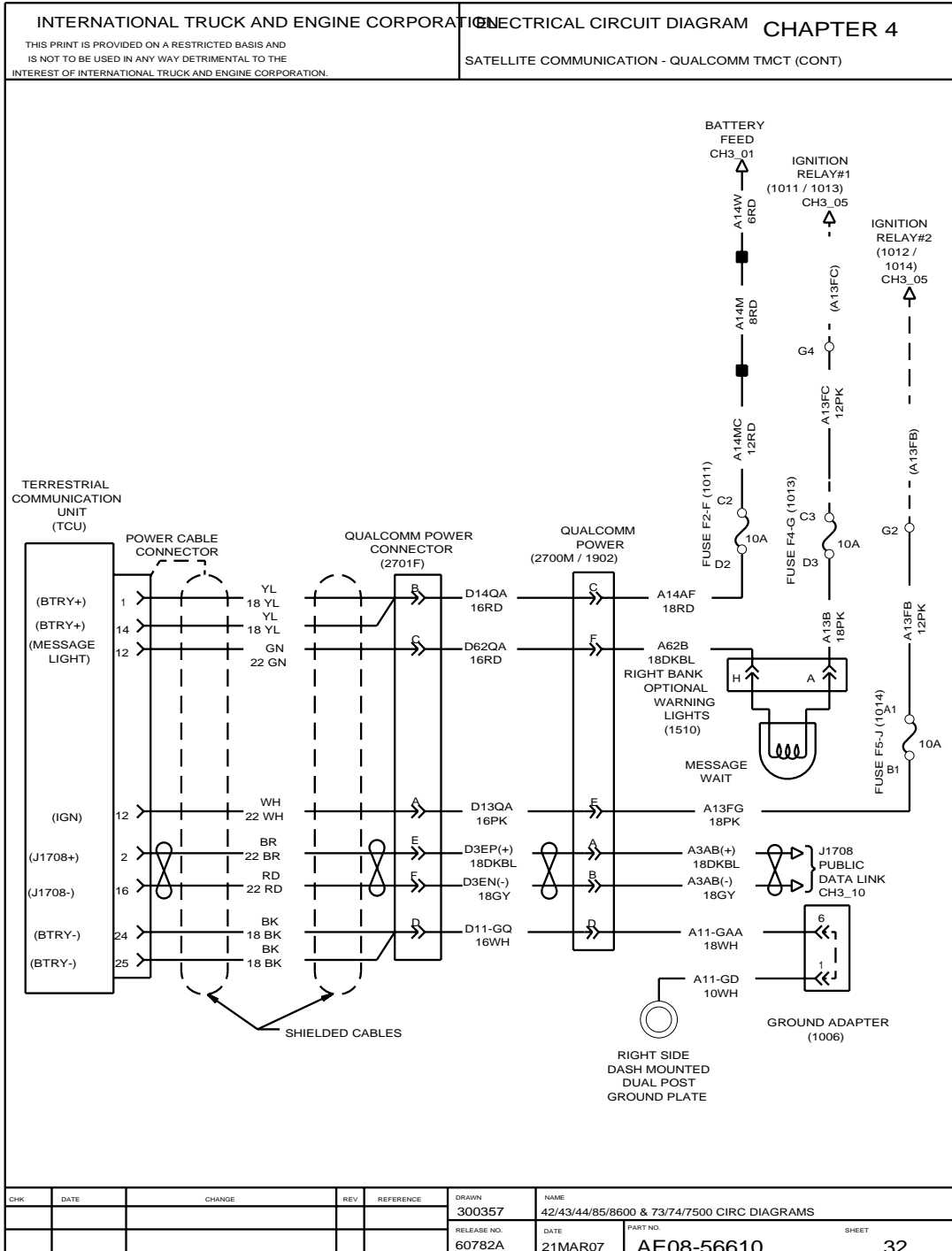


Figure 76 Satellite Communication — Qualcomm TMCT

4.35. AIR SHIELD LIGHT, P. 33

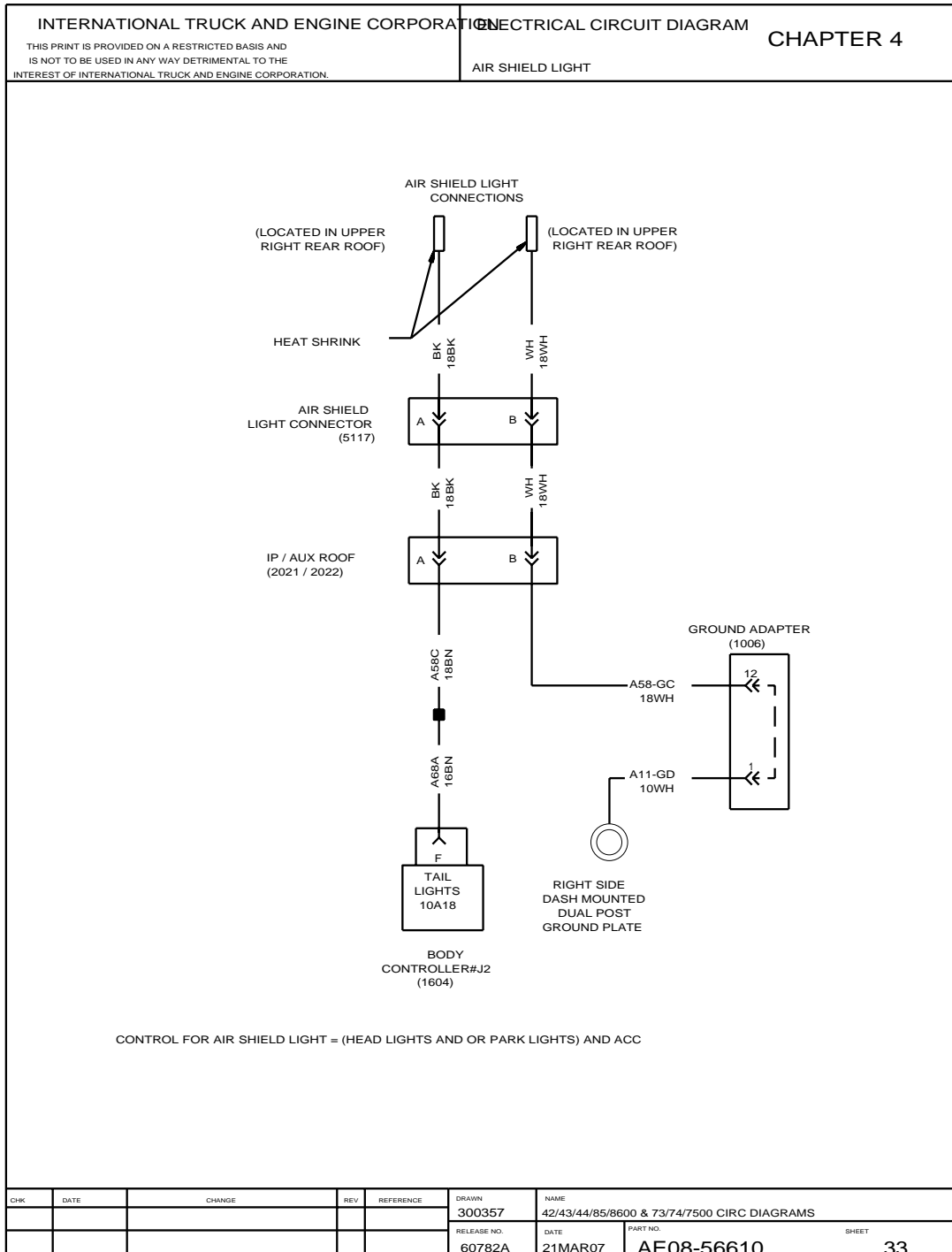


Figure 77 Air Shield Light

5. 12V CHARGING + CRANKING SYSTEM (CHAPTER 5)

5.1. I6 / V8 ENGINES WITH MANUAL TRANSMISSION, P. 1

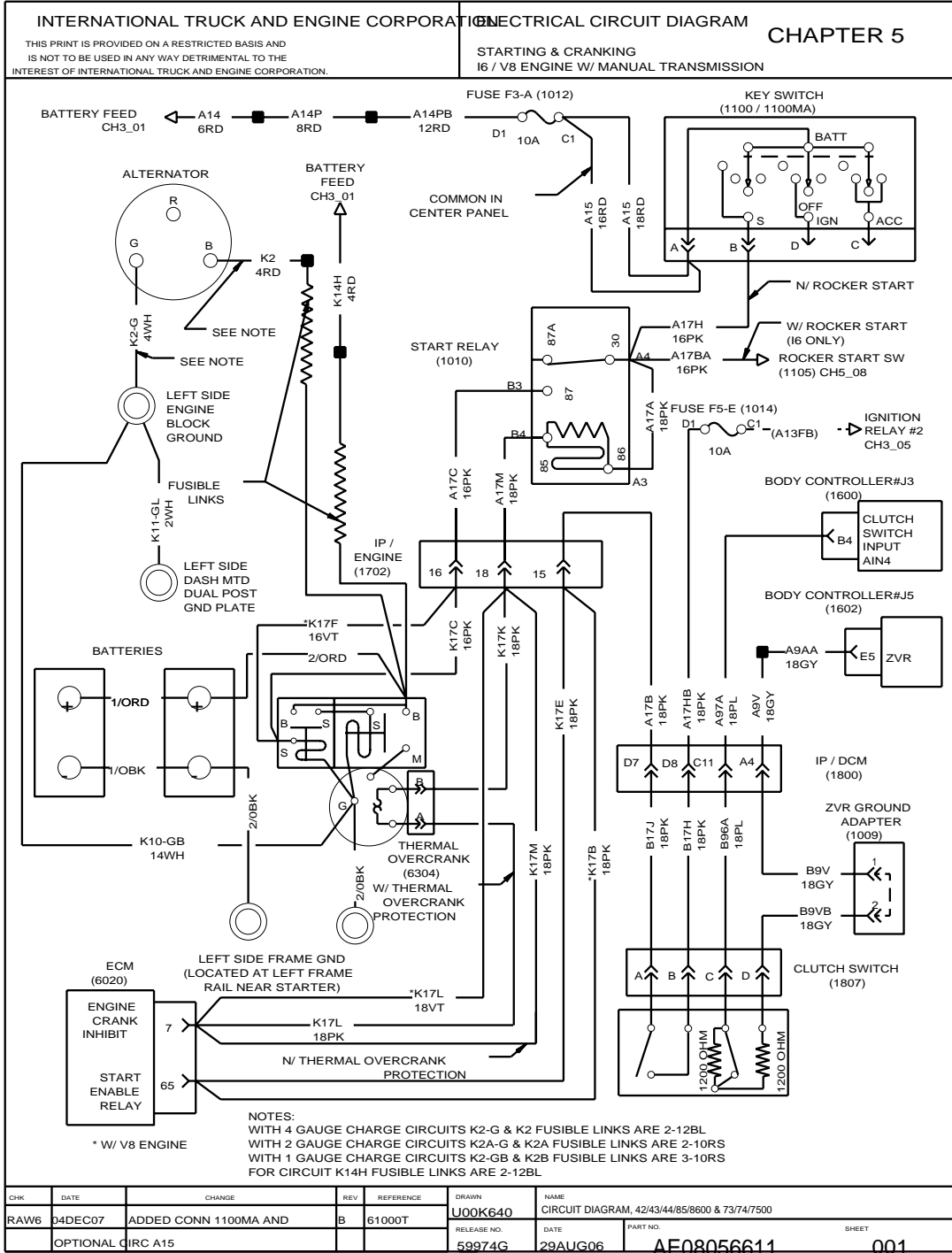


Figure 78 I6 / V8 Engines with Manual Transmission

5.2. CAT — CUMMINS ENGINES WITH MANUAL TRANSMISSION, P. 2

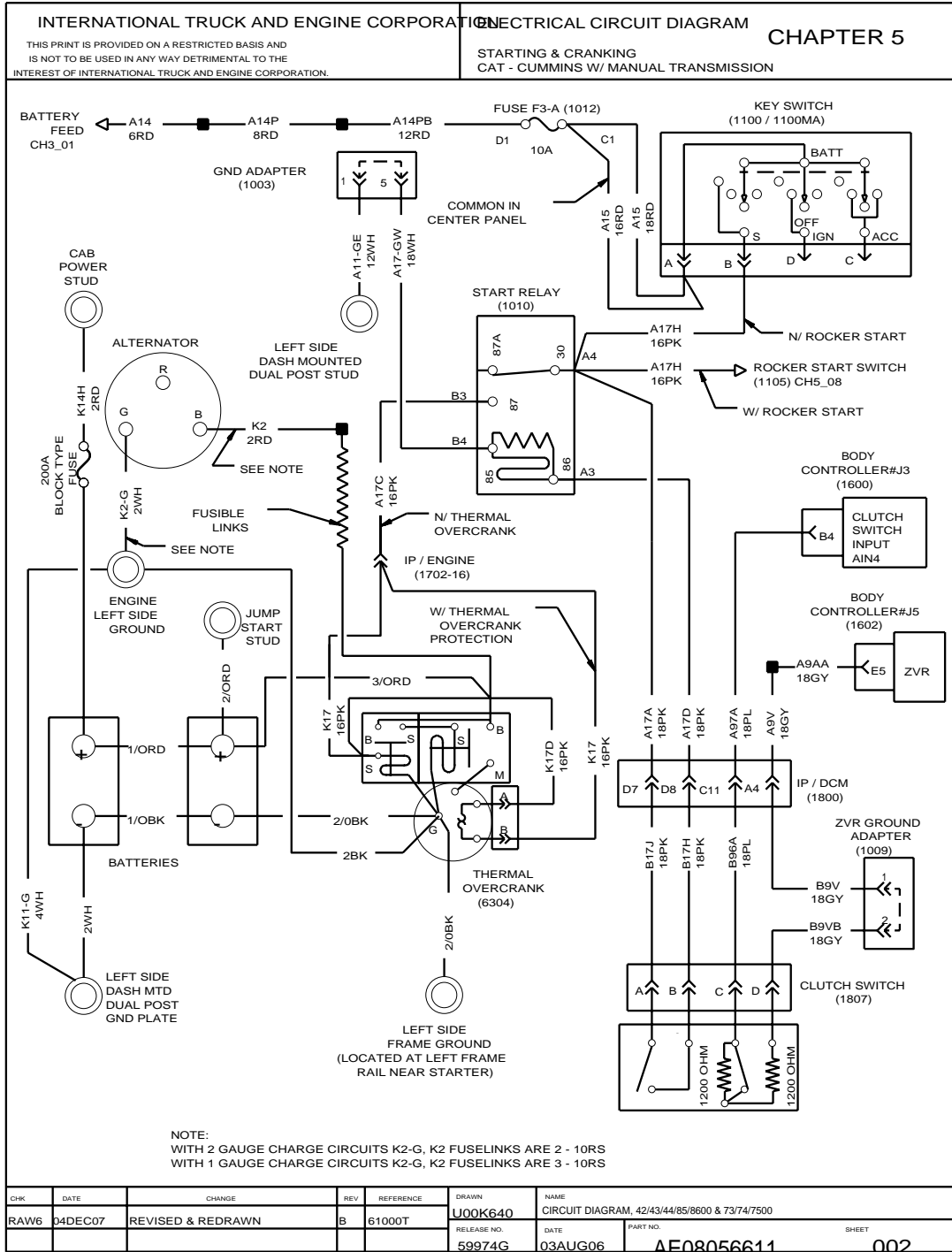


Figure 79 Cat — Cummins Engines with Manual Transmission

5.3. I6 / V8 ENGINES WITH ALLISON TRANSMISSION, P. 3

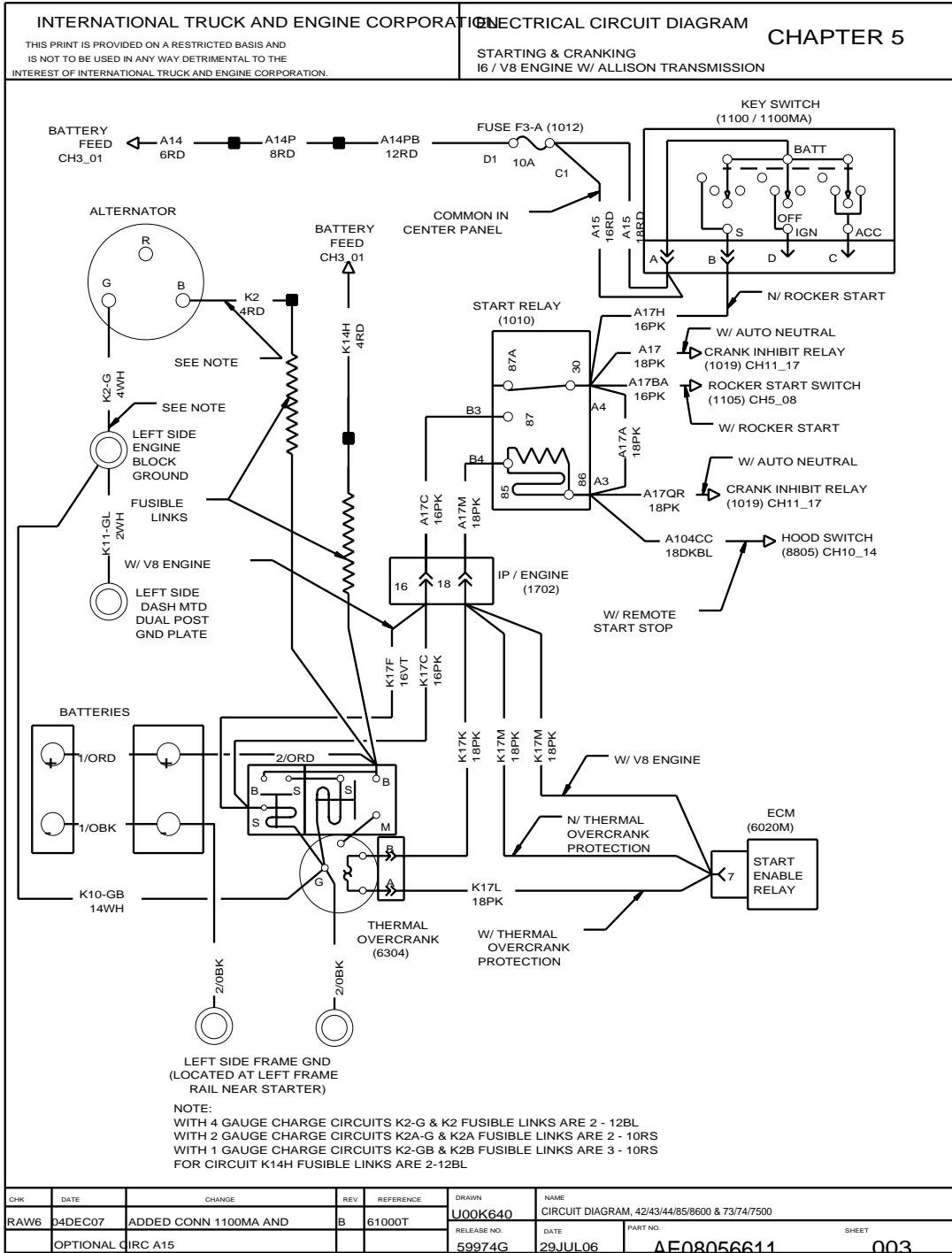


Figure 80 I6 / V8 Engines with Allison Transmission

5.4. CAT — CUMMINS ENGINES WITH ALLISON TRANSMISSION, P. 4

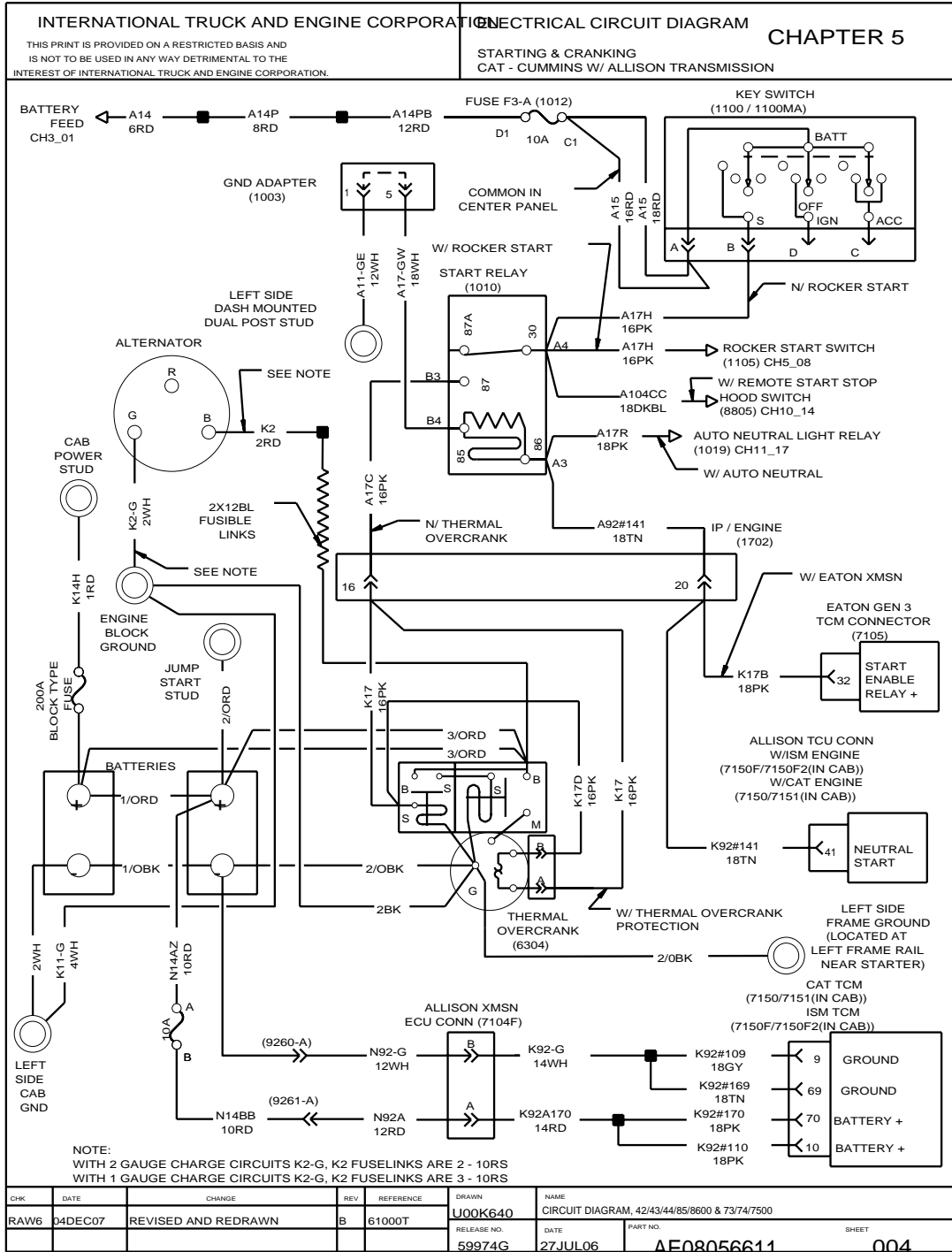


Figure 81 Cat — Cummins Engines with Allison Transmission

5.5. I6 ENGINE WITH AUTOSHIFT, ULTRASHIFT AND EATON HYBRID TRANSMISSION, P. 5

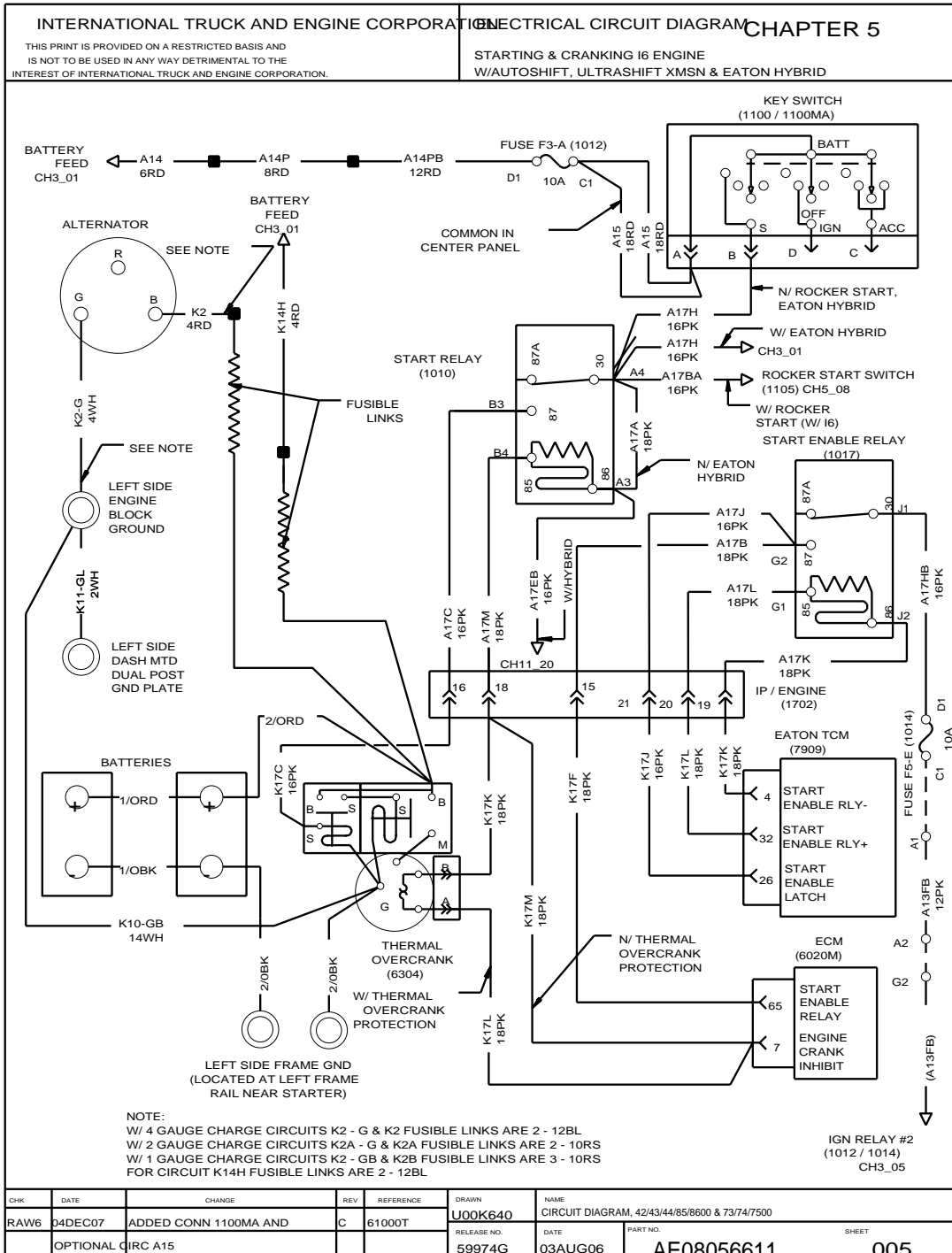


Figure 82 I6 Engine with Autoshift, Ultrashift, and Eaton Hybrid Transmission

5.6. CAT — CUMMINS ENGINES WITH AUTOSHIFT AND ULTRASHIFT TRANSMISSION, P. 6

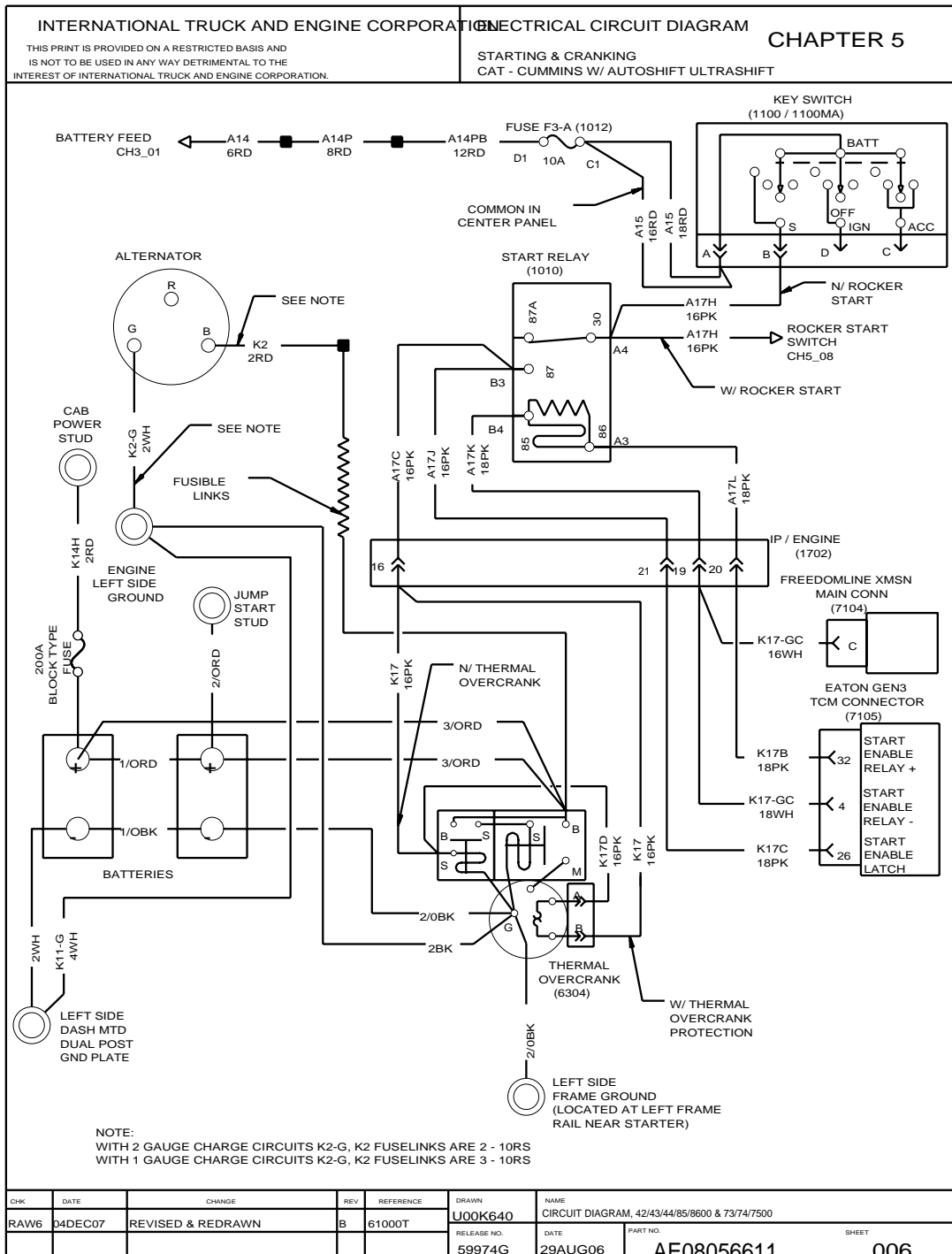


Figure 83 Cat — Cummins Engines with Autoshift and Ultrashift Transmission

5.7. I6 POWER PACK, P. 7

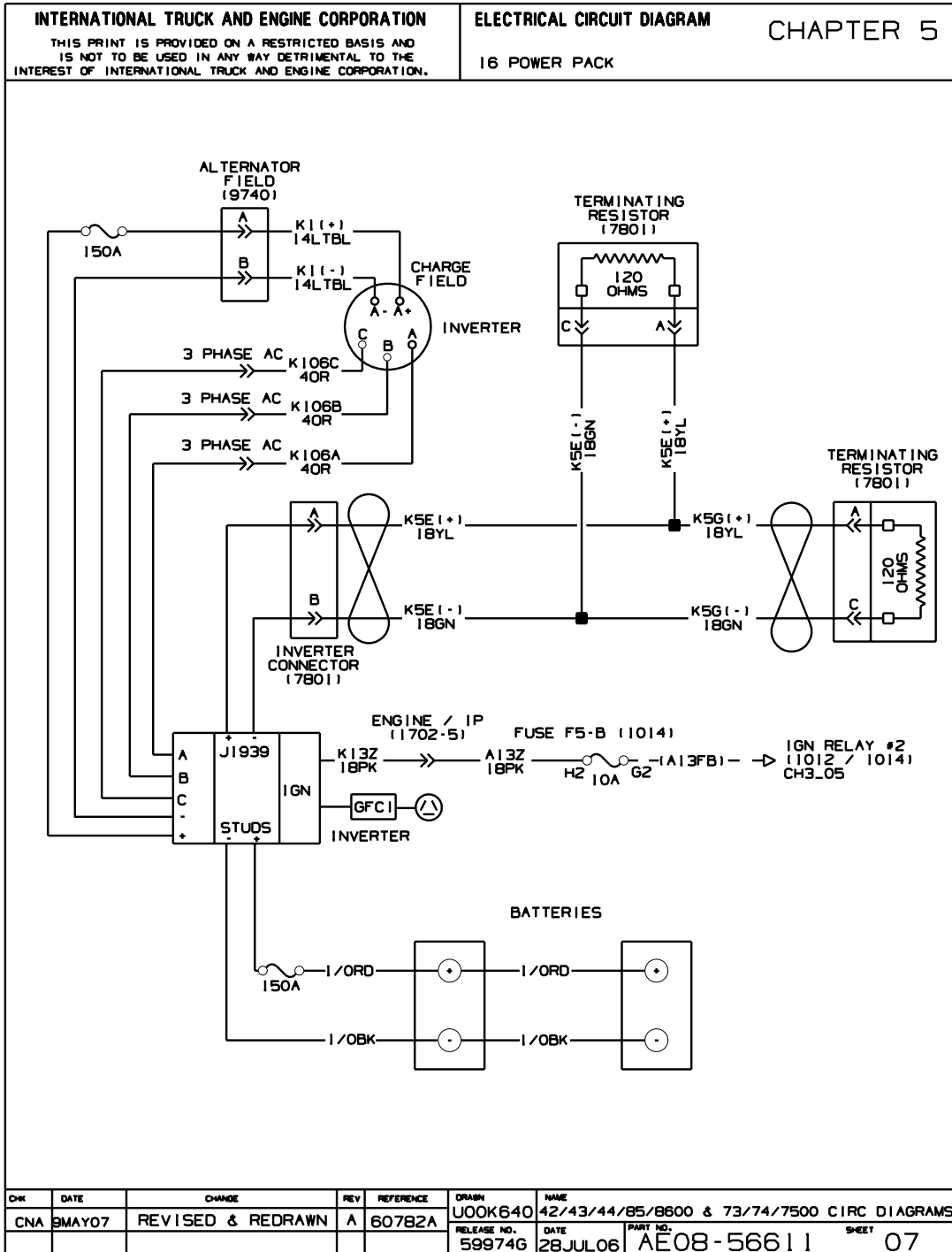


Figure 84 I6 Power Pack

5.8. ROCKER START, P. 8

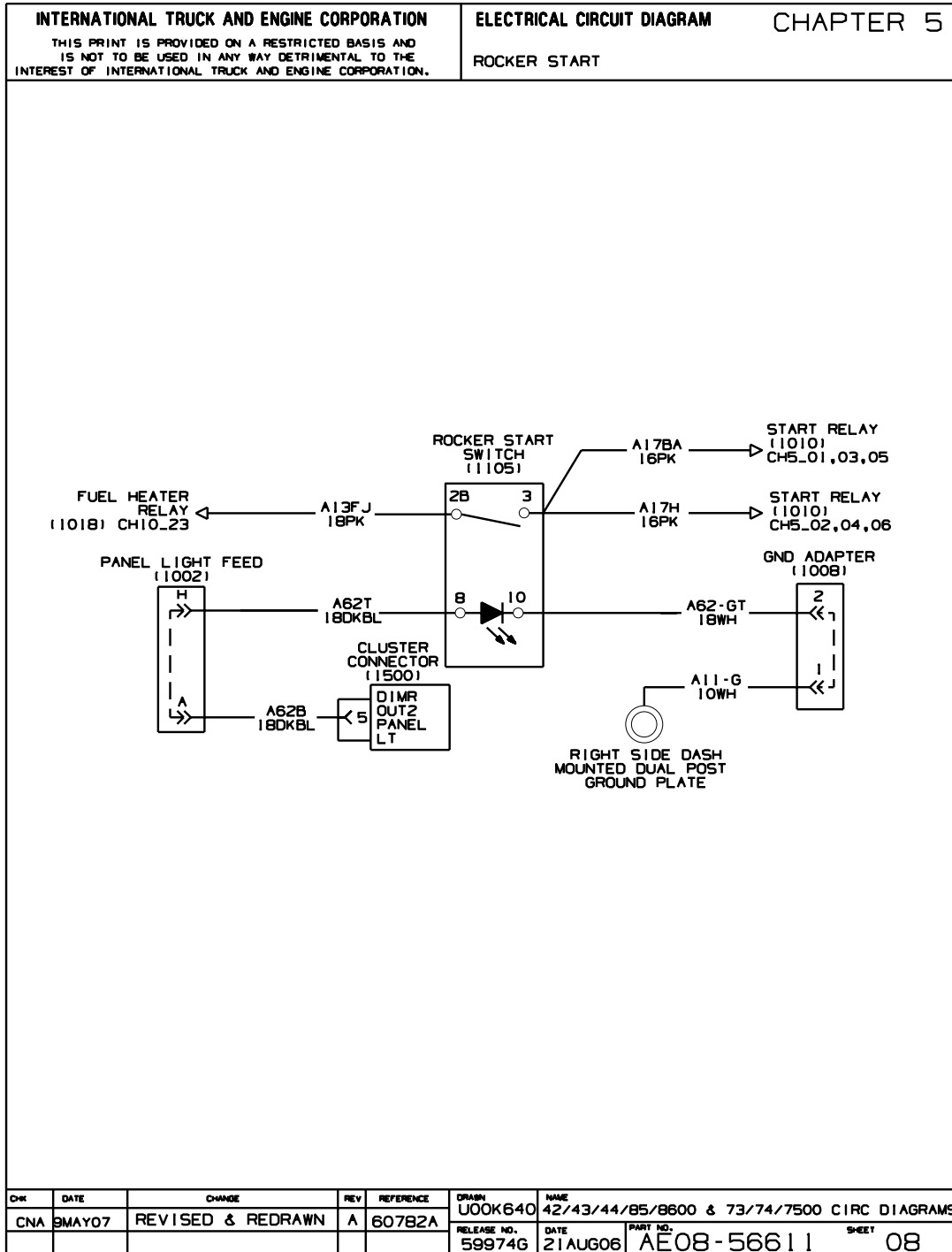


Figure 85 Rocker Start

6. FANS AND ENGINE ACCESSORIES (CHAPTER 6)

6.1. FAN WIRING, I6 / V8 2007 ENGINES, P. 1

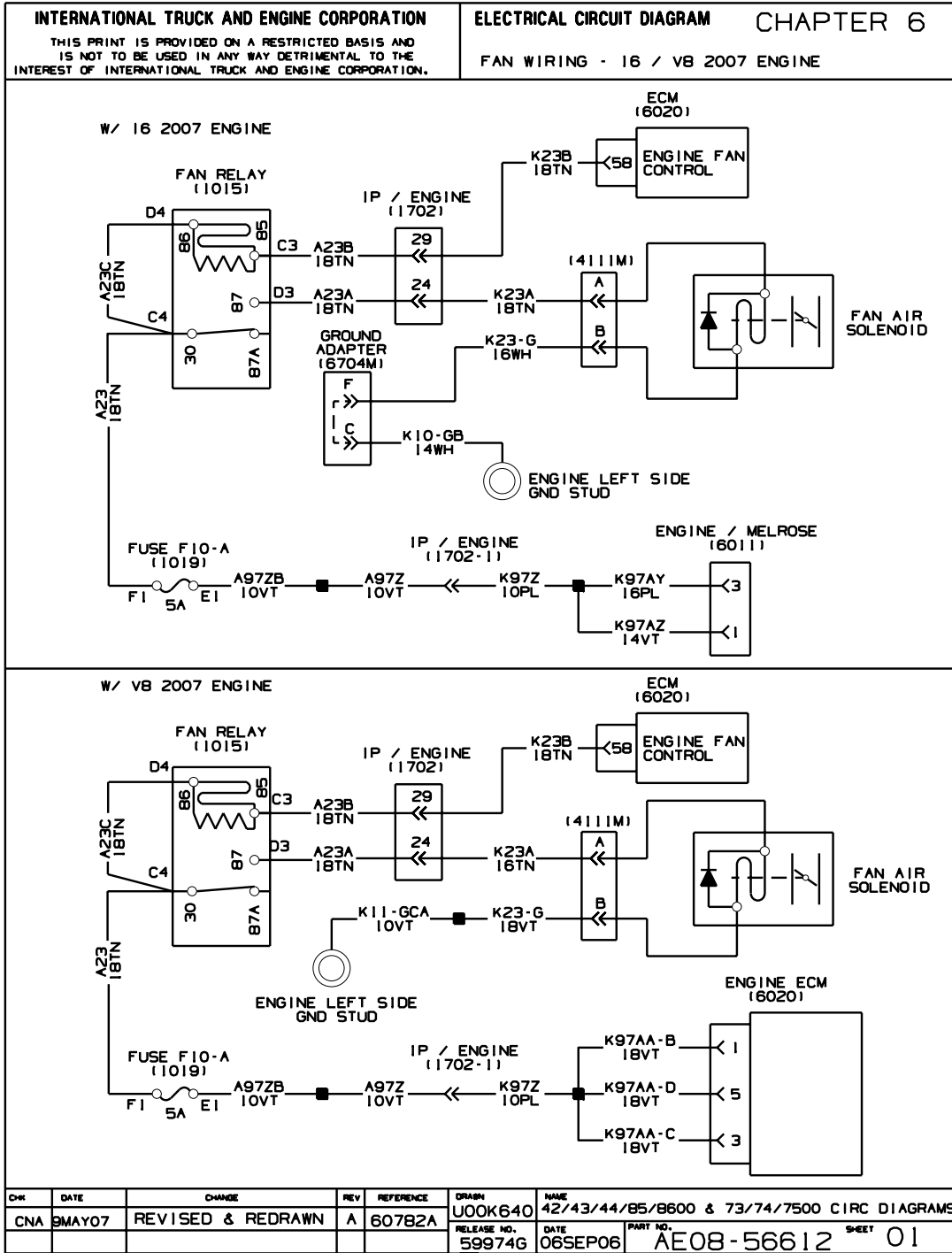


Figure 86 Fan Wiring, I6 / V8 2007 Engines

6.2. FAN WIRING, ISM, C11-C13 2007 ENGINES, P. 2

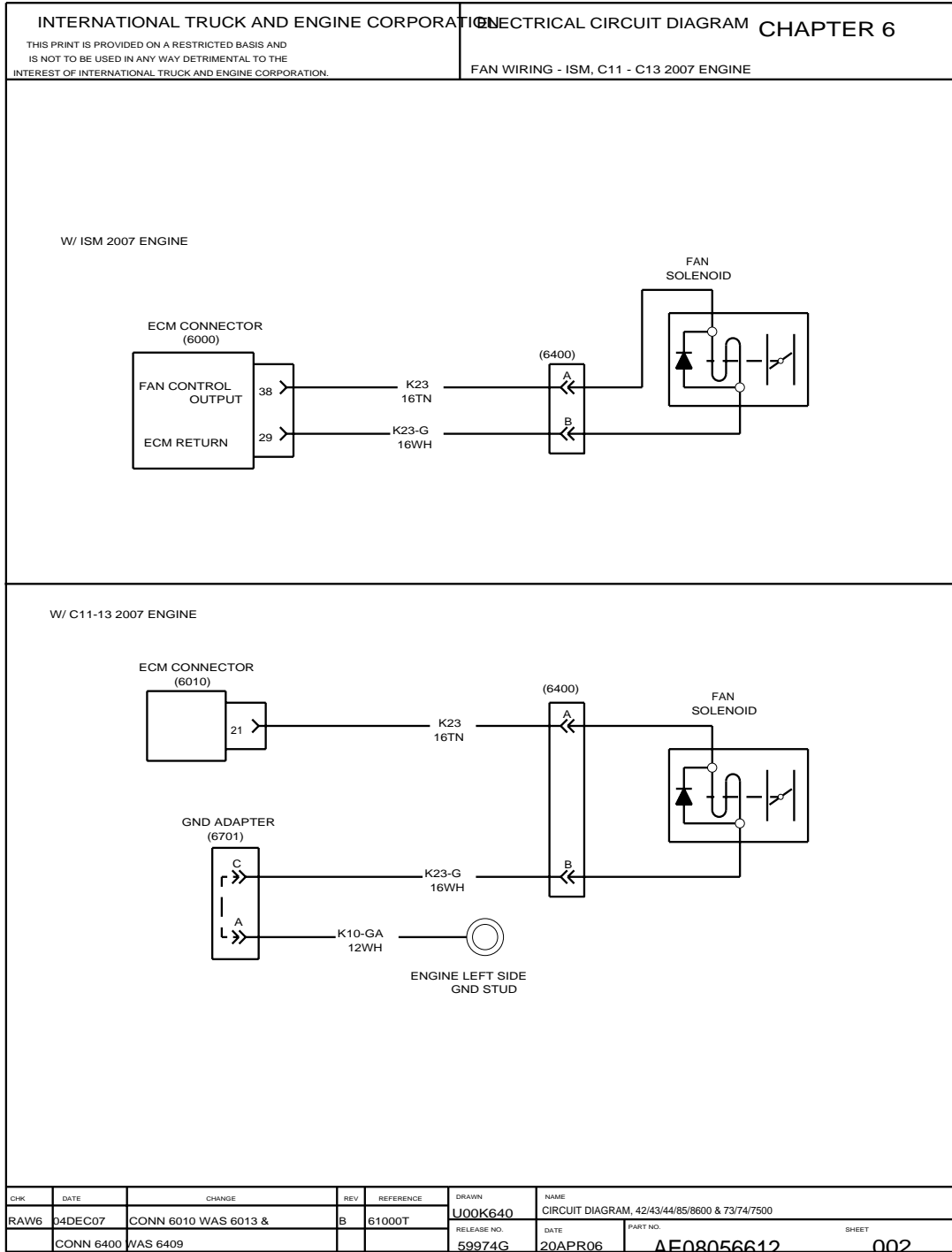


Figure 87 Fan Wiring, ISM, C11-C13 2007 Engines

6.3. STARTING AID — ETHER START, P. 3

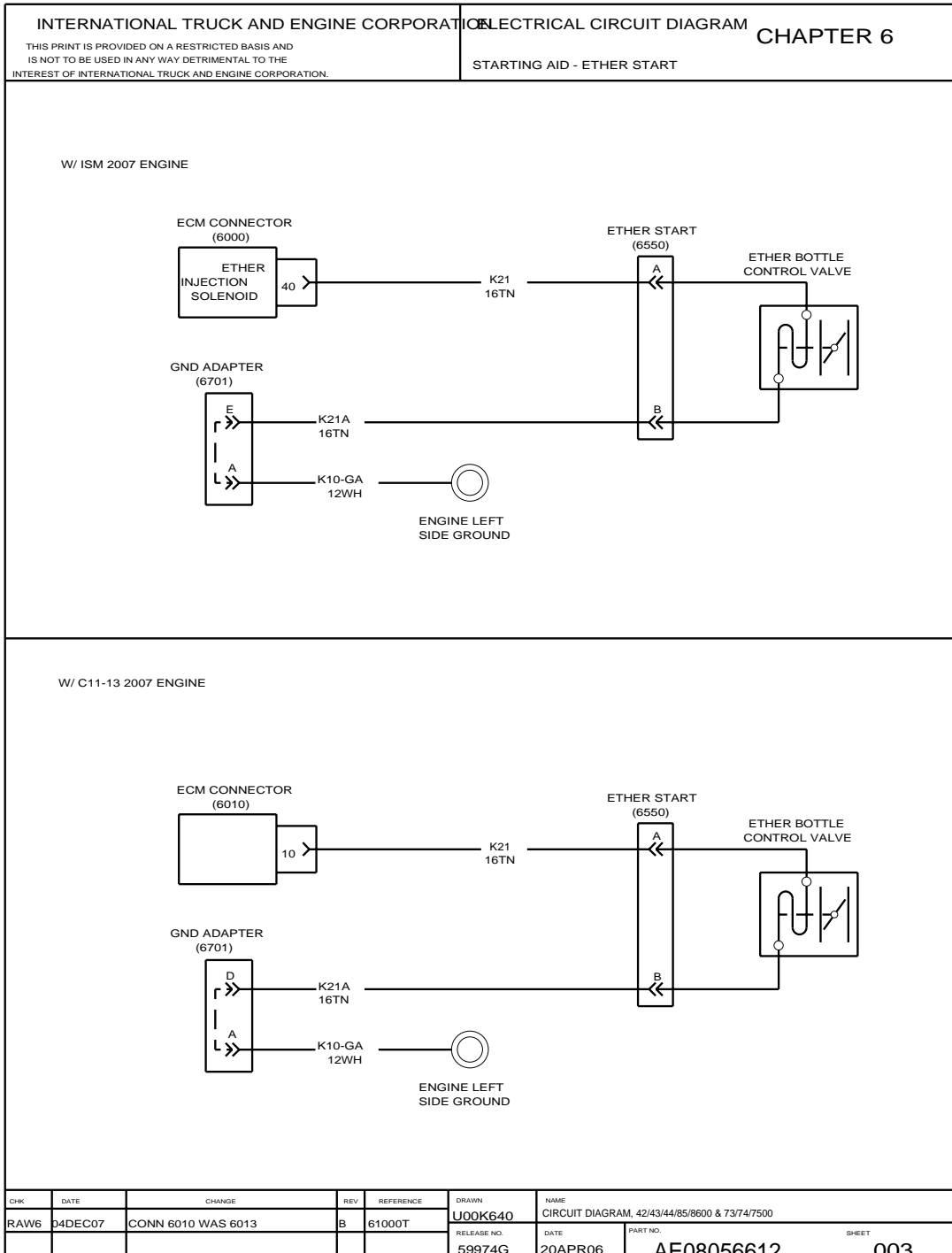


Figure 88 Starting Aid — Ether Start

6.4. SNOW VALVE, P. 4

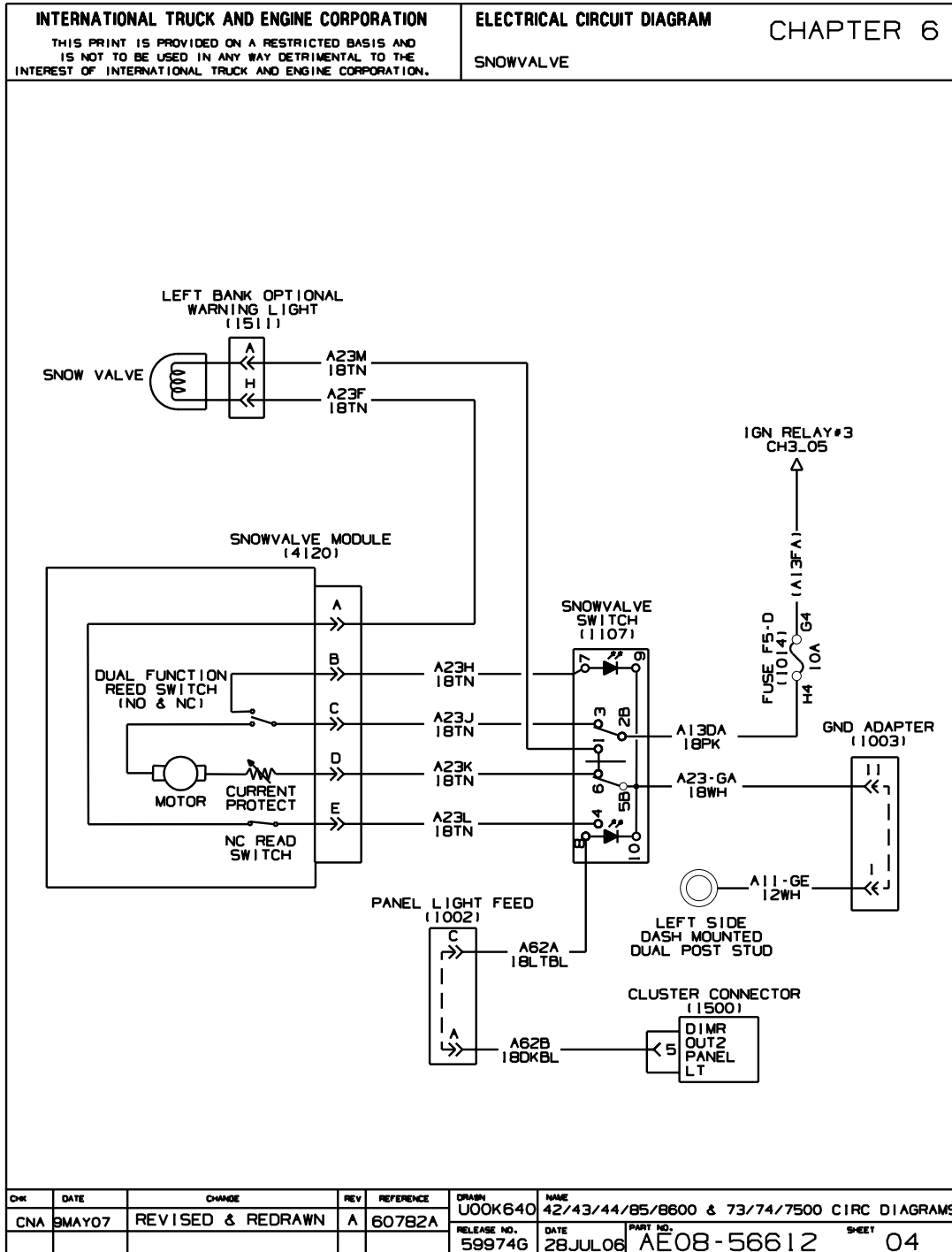


Figure 89 Snow Valve

7. ELECTRONIC ENGINES (CHAPTER 7)

7.1. ELECTRONIC ENGINE CONTROLS, CAT ENGINES, P. 1

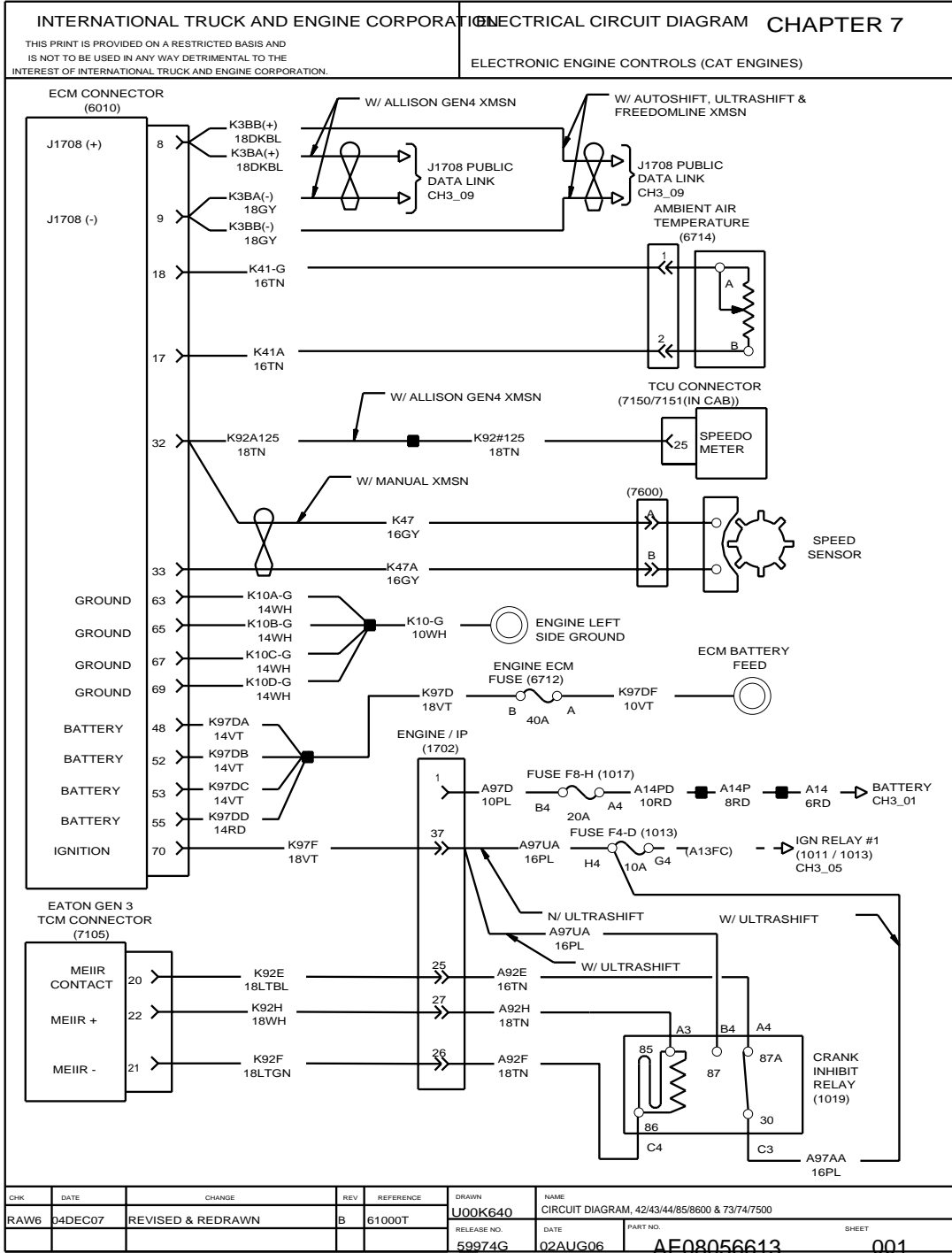


Figure 90 Electronic Engine Controls, Cat Engines

7.2. ELECTRONIC ENGINE CONTROLS, CAT ENGINES, P. 2

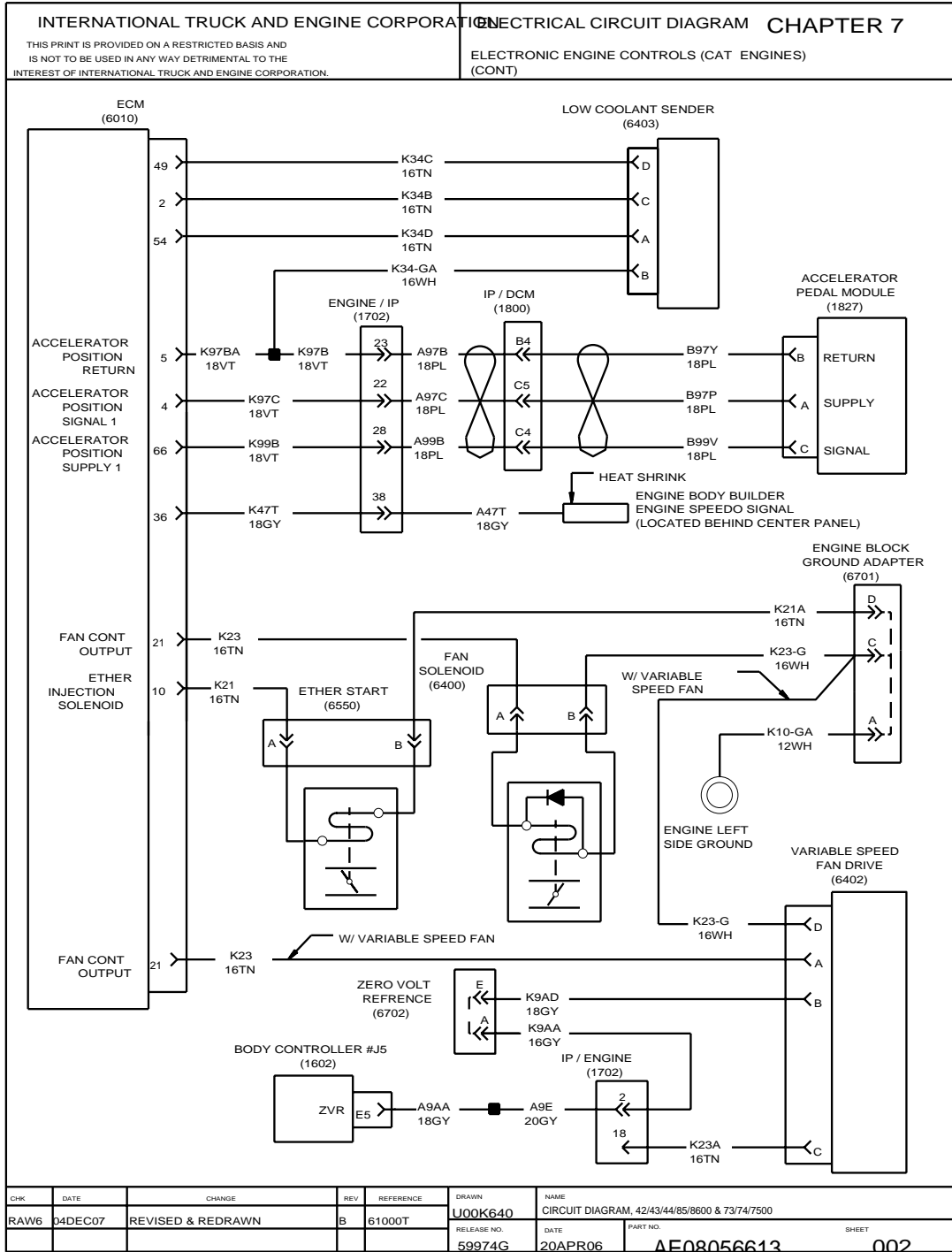


Figure 91 Electronic Engine Controls, Cat Engines (Cont.)

7.3. ENGINE BODY BUILDER — REMOTE ENGINE CONTROL (CAT/IBBE ENGINE), P. 3

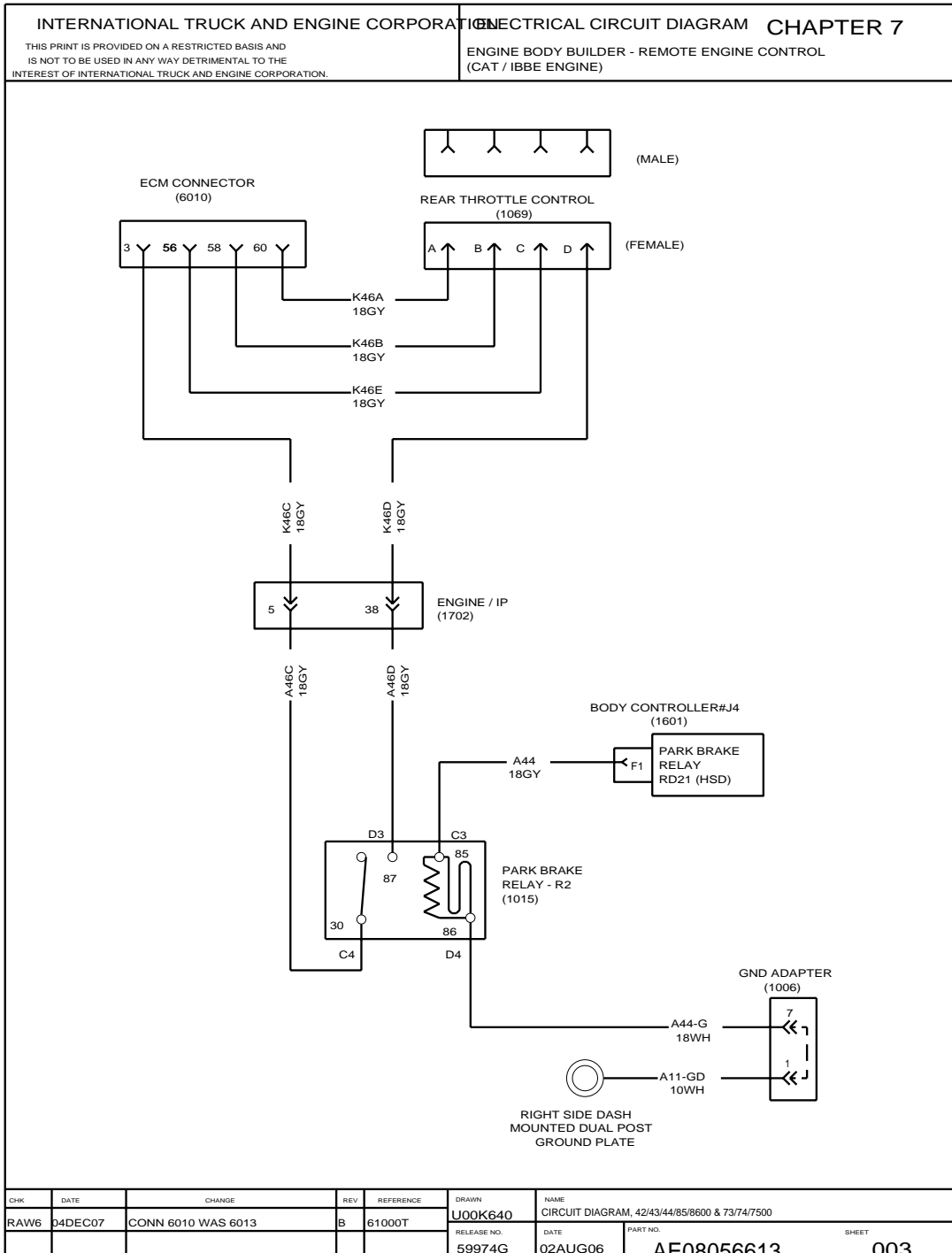


Figure 92 Engine Body Builder — Remote Engine Control (Cat/IBBE Engine)

7.4. ELECTRONIC ENGINE CONTROLS, ISM ENGINES, P. 4

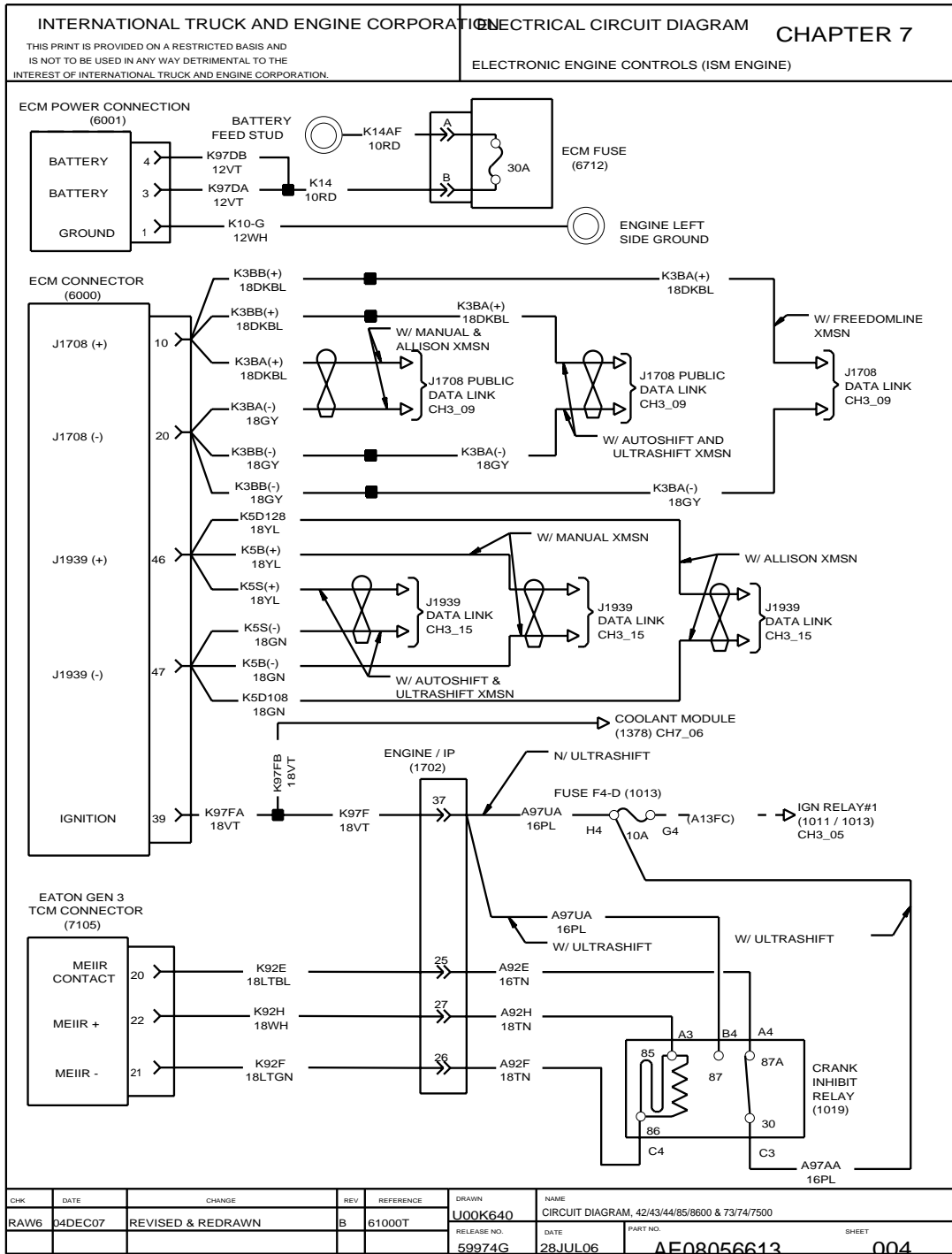


Figure 93 Electronic Engine Controls, ISM Engines

7.5. ELECTRONIC ENGINE CONTROLS, ISM ENGINES, P. 5

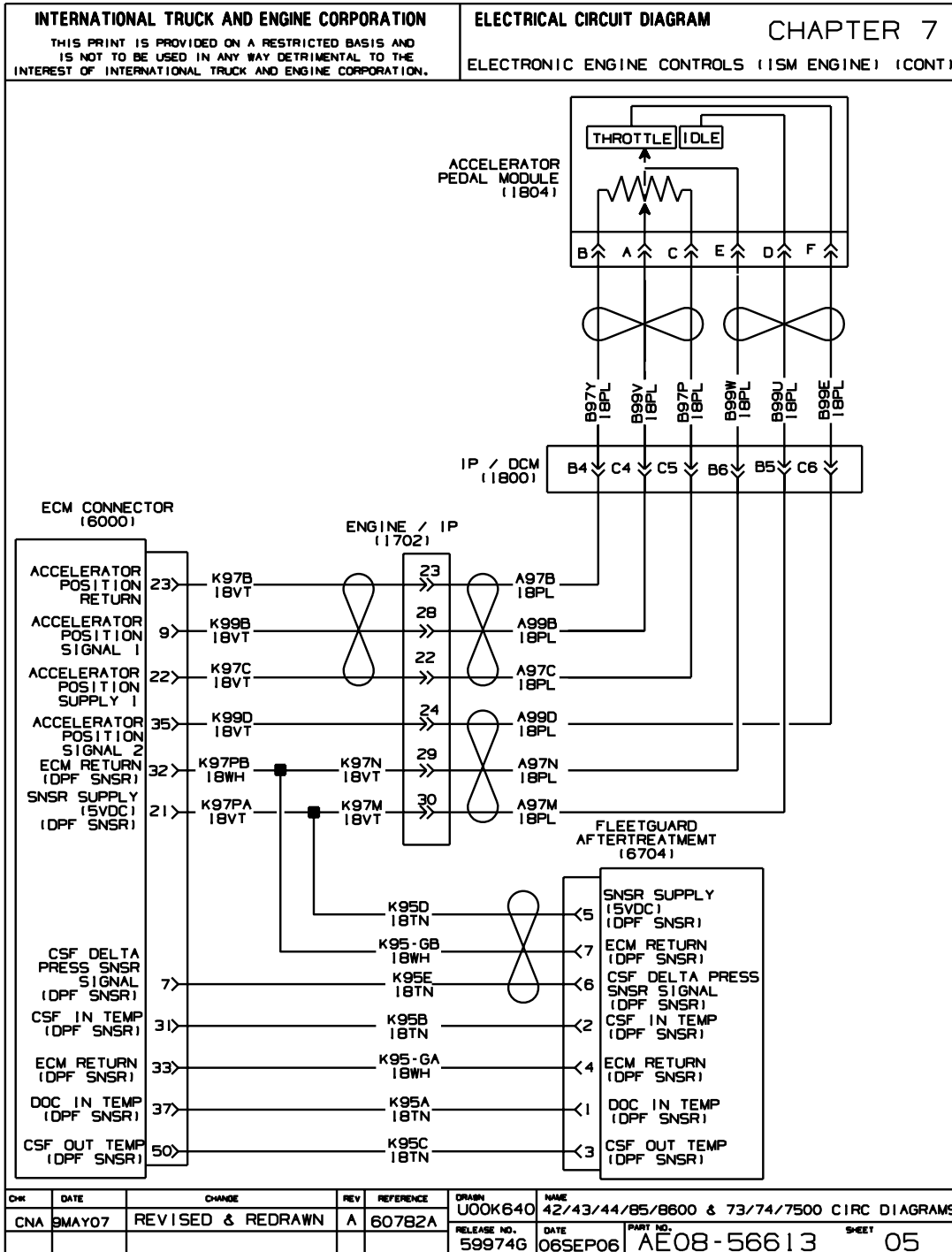


Figure 94 Electronic Engine Controls, ISM Engines (Cont.)

7.6. ELECTRONIC ENGINE CONTROLS, ISM ENGINES, P. 6

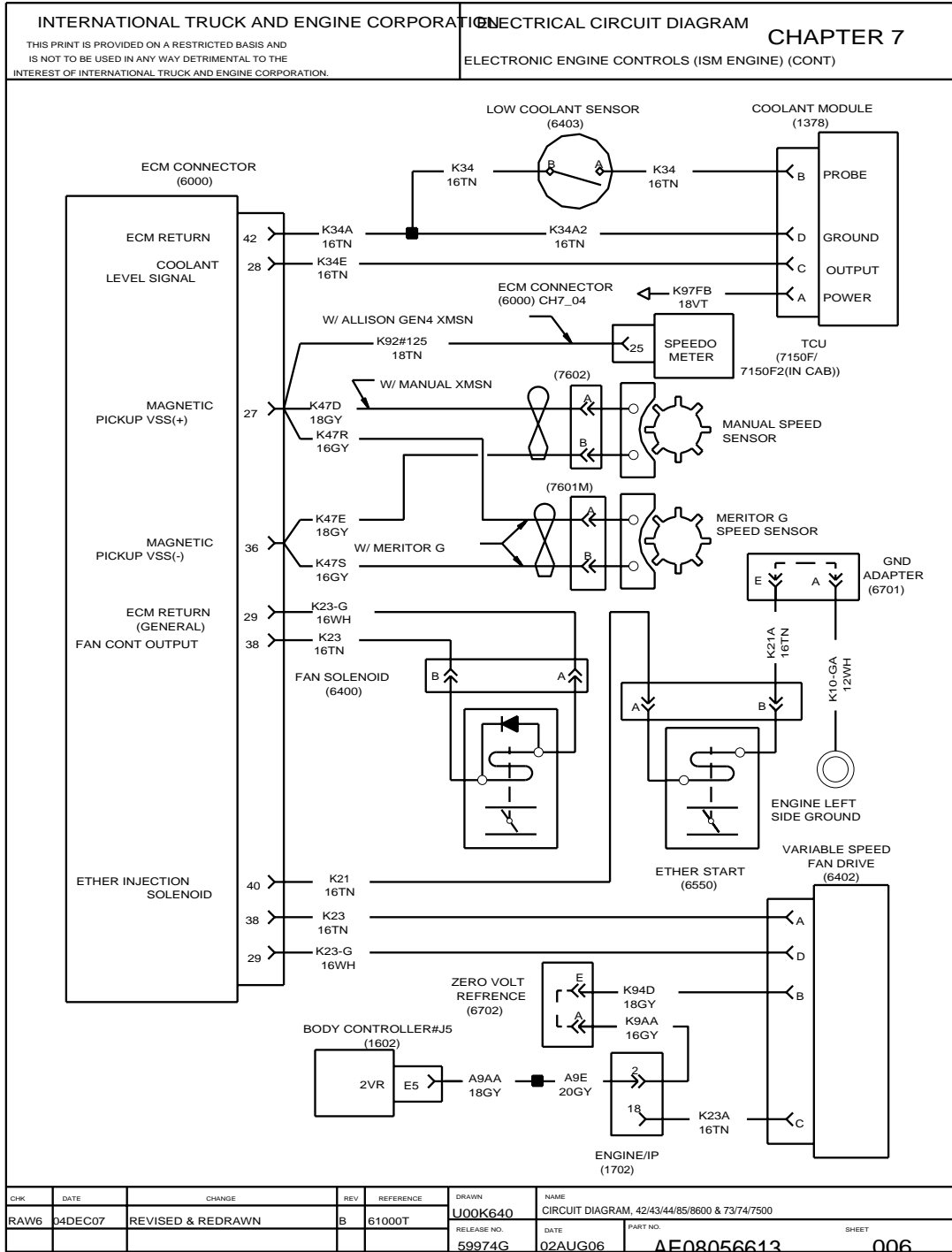


Figure 95 Electronic Engine Controls, ISM Engines (Cont.)

7.7. ELECTRONIC ENGINE CONTROLS, I6 ENGINES, P. 7

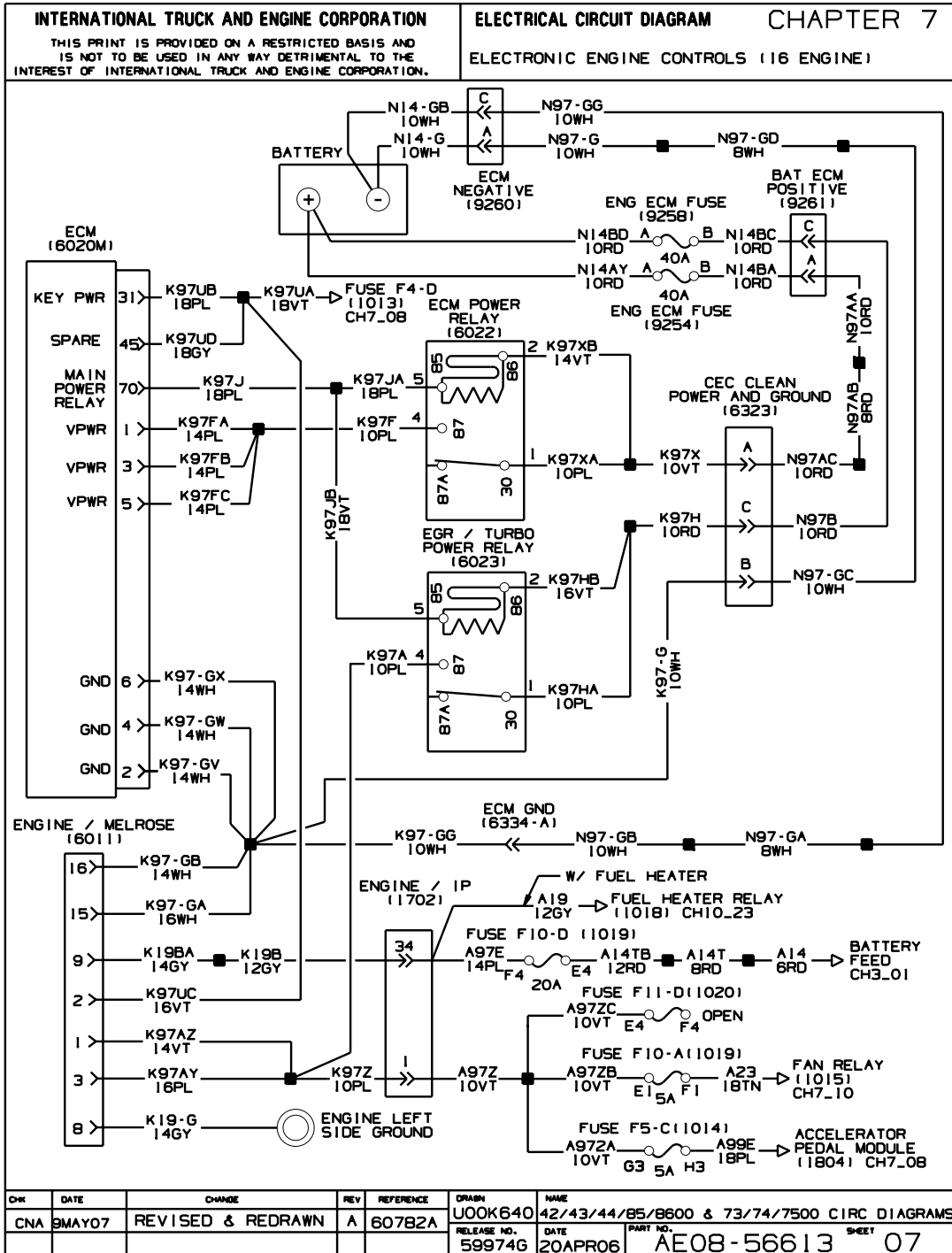


Figure 96 Electronic Engine Controls, I6 Engines

7.8. ELECTRONIC ENGINE CONTROLS, I6 ENGINES, P. 8

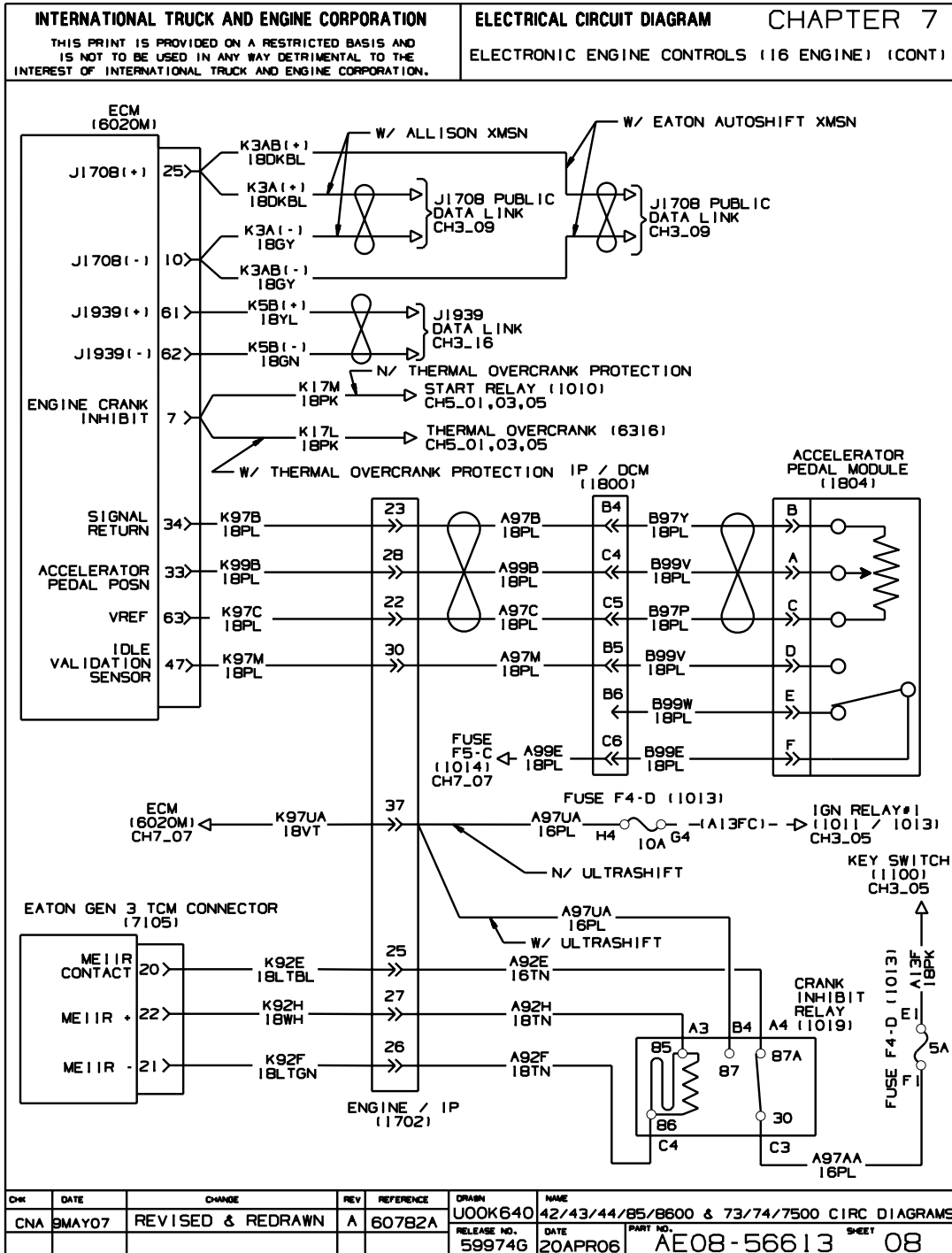


Figure 97 Electronic Engine Controls, I6 Engines (Cont.)

7.9. ELECTRONIC ENGINE CONTROLS, I6 ENGINES, P. 9

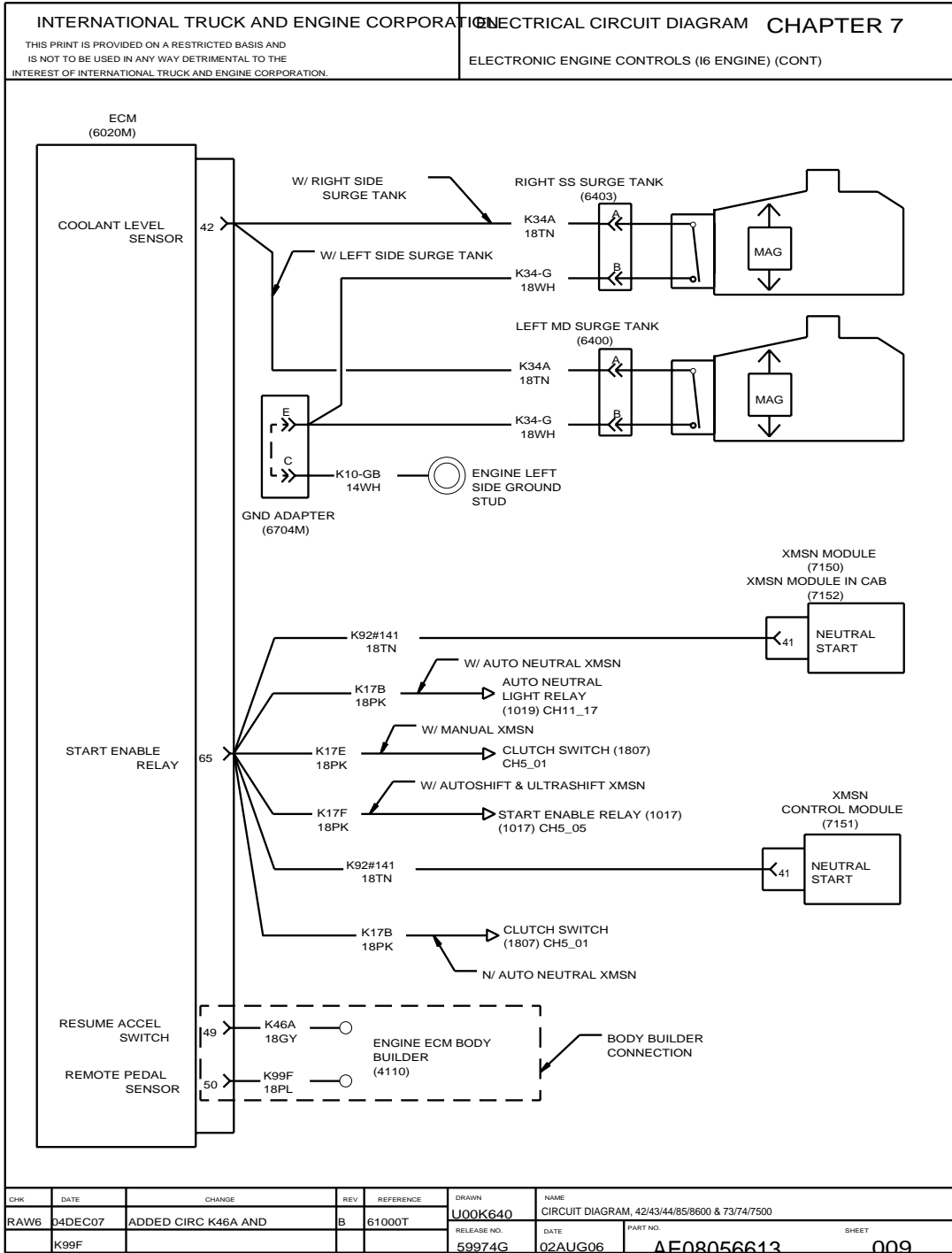


Figure 98 Electronic Engine Controls, I6 Engines (Cont.)

7.10. ELECTRONIC ENGINE CONTROLS, I6 ENGINES, P. 10

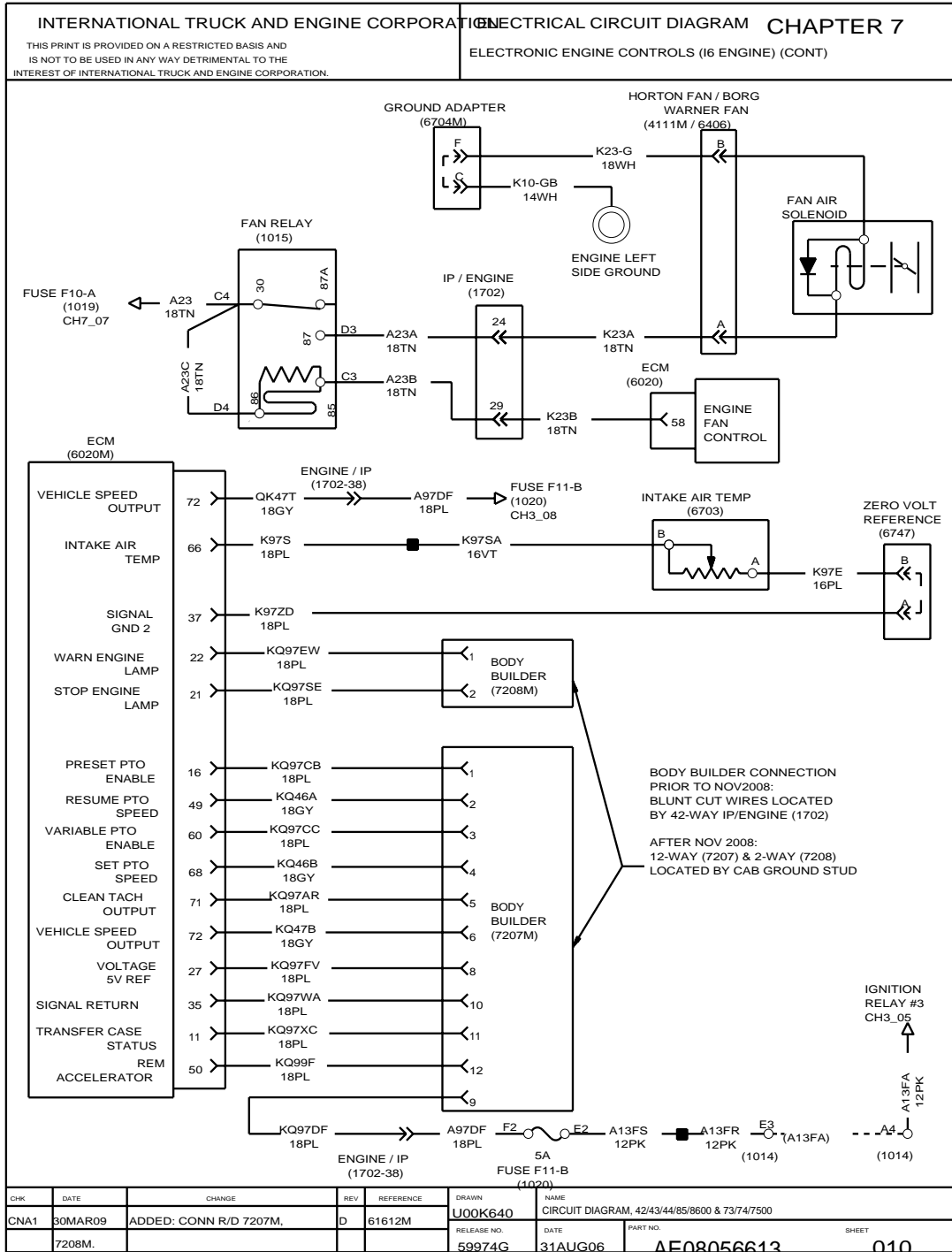


Figure 99 Electronic Engine Controls, I6 Engines (Cont.)

7.11. ELECTRONIC ENGINE CONTROLS, I6 ENGINES, P. 11

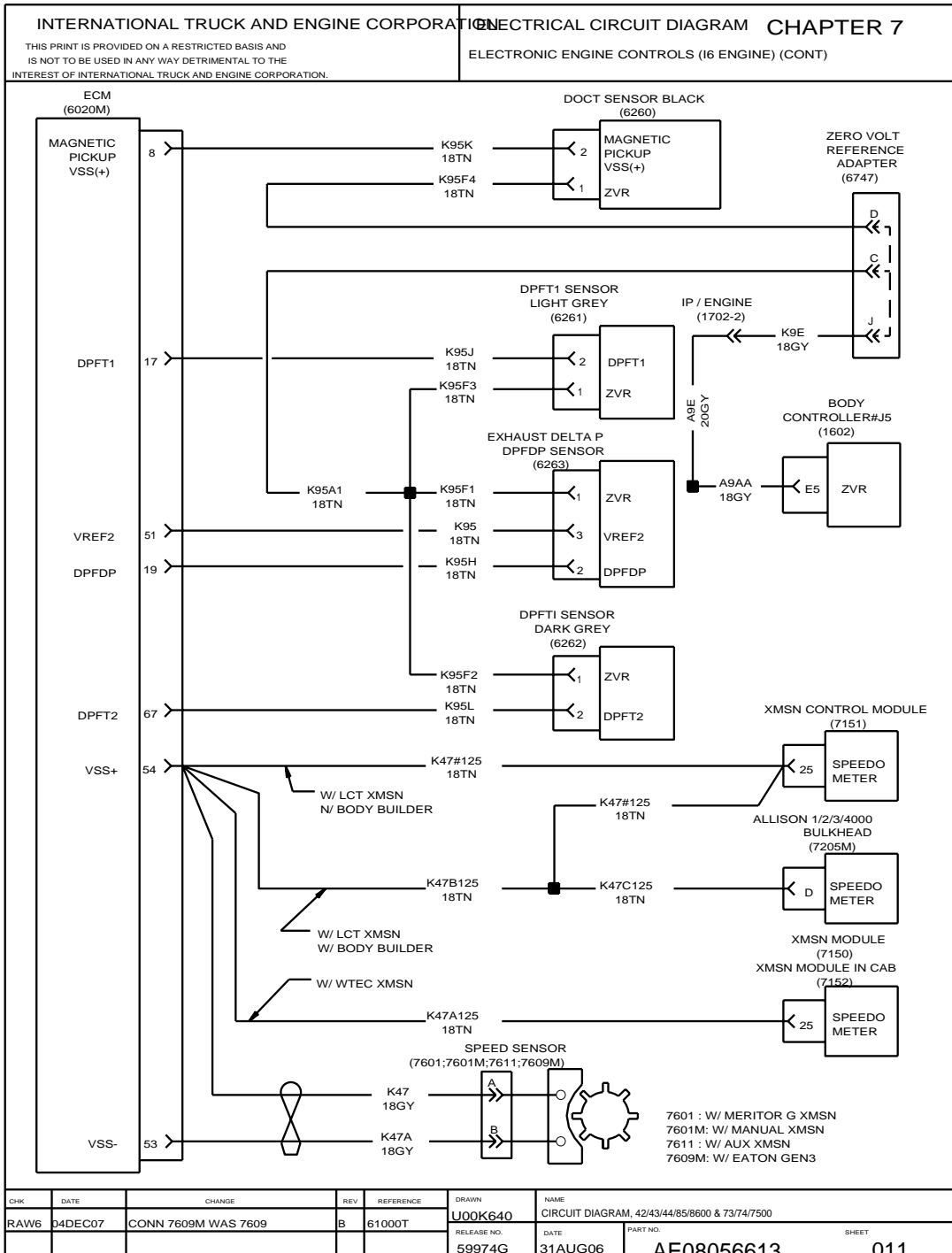


Figure 100 Electronic Engine Controls, I6 Engines (Cont.)

7.12. ELECTRONIC ENGINE CONTROLS — V8 ENGINES, P. 12

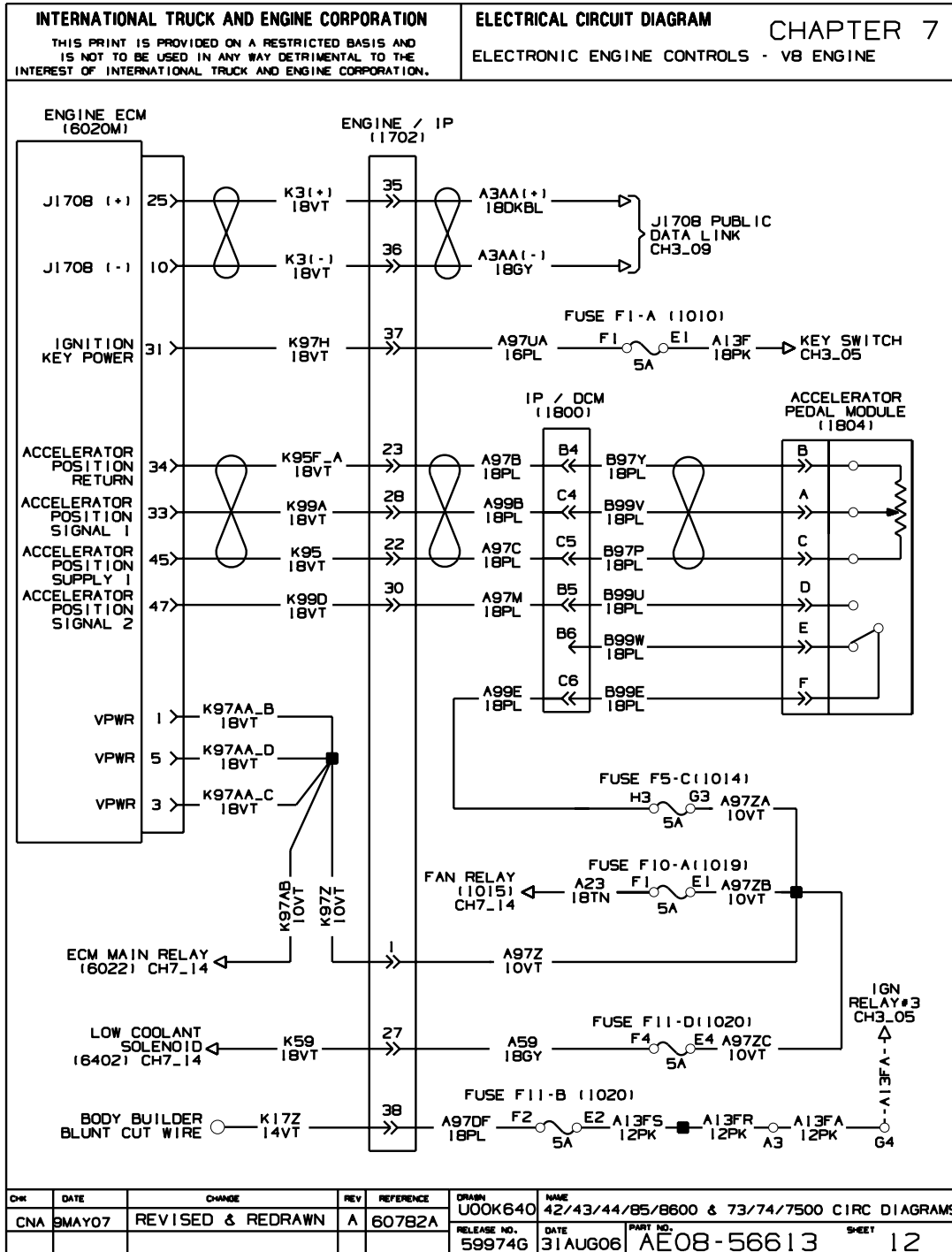


Figure 101 Electronic Engine Controls — V8 Engines

7.13. ELECTRONIC ENGINE CONTROLS — V8 ENGINES, P. 13

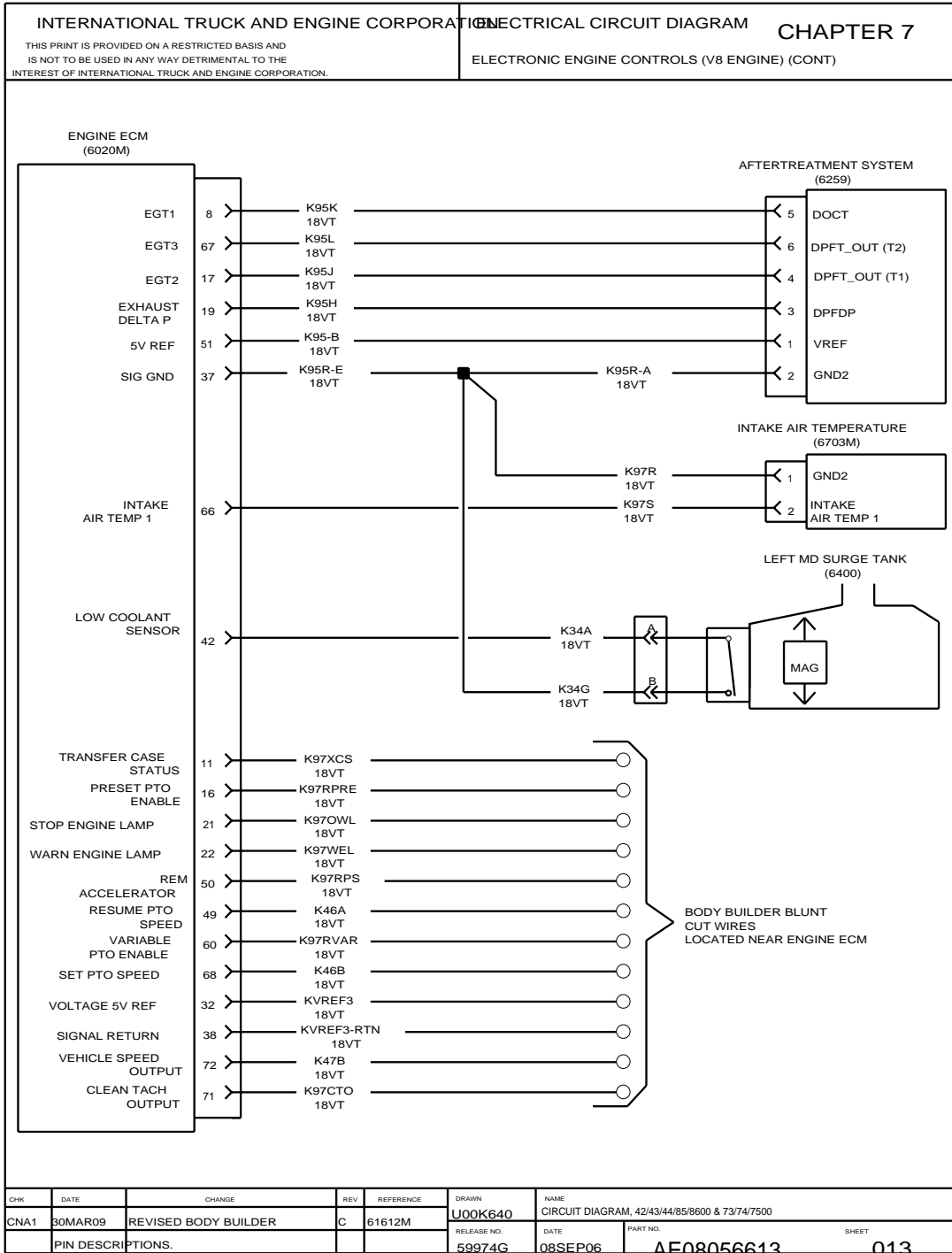


Figure 102 Electronic Engine Controls — V8 Engines

7.14. ELECTRONIC ENGINE CONTROLS — V8 ENGINES, P. 14

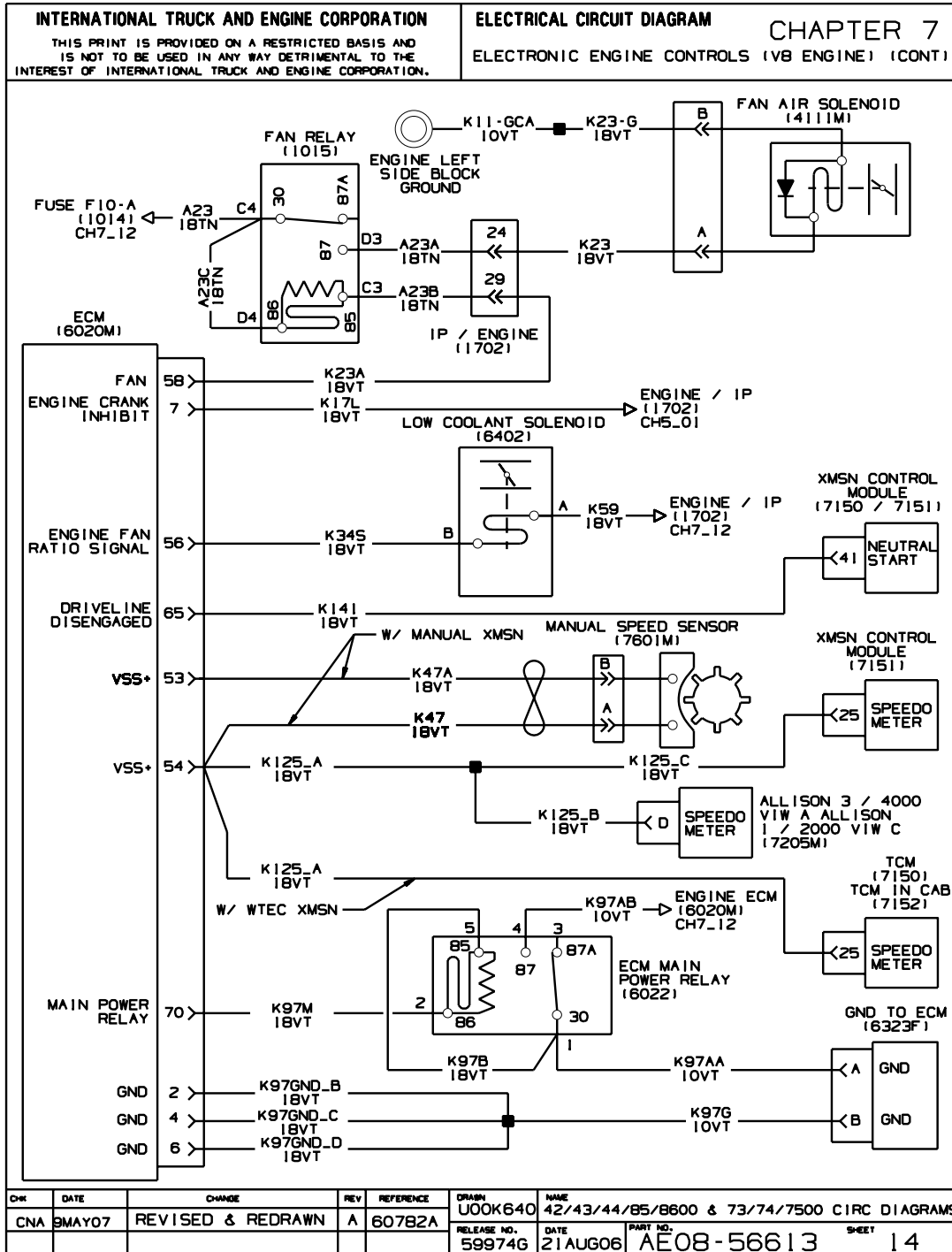


Figure 103 Electronic Engine Controls — V8 Engines

7.15. CRUISE CONTROL, P. 15

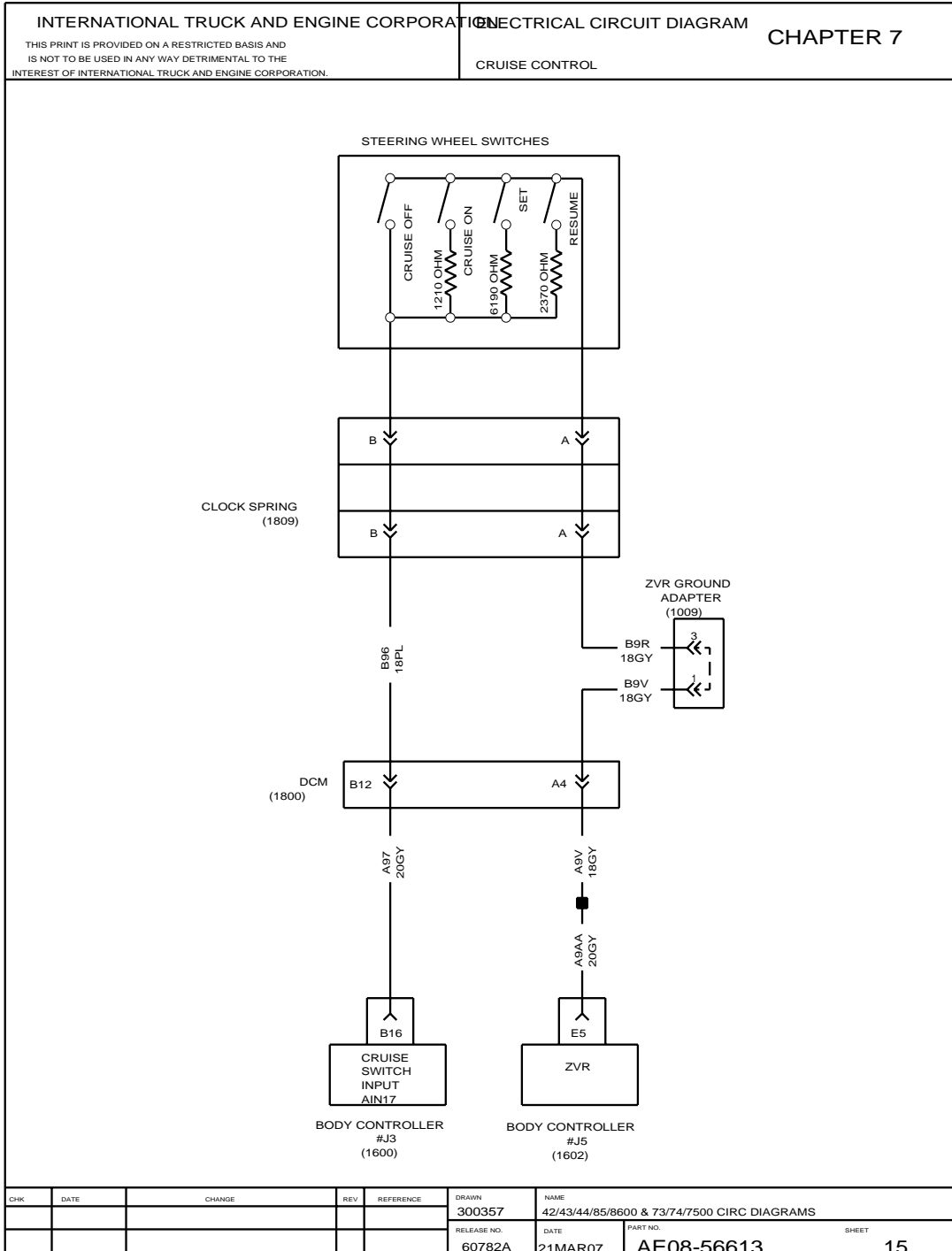


Figure 104 Cruise Control

8. GAUGES WITH AND WITHOUT INTERNAL WARNING LIGHT (CHAPTER 8)

8.1. IP/GAUGES, P. 1

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 IP / GAUGES	CHAPTER 8																																																				
<p>INSTRUMENT PANEL GAUGES</p> <table border="1" style="width: 100%; border-collapse: collapse; margin: 20px auto;"> <thead> <tr> <th style="width: 15%;">GAUGE</th> <th style="width: 8%;">WARN LIGHT</th> <th style="width: 55%;">SIGNAL PATH</th> <th style="width: 22%;">SENSOR LOCATION</th> </tr> </thead> <tbody> <tr> <td>RPM (TACH)</td> <td style="text-align: center;">NO</td> <td>ENGINE CTRLR / DRIVE TRAIN J1939 / CLUSTER</td> <td>ENGINE</td> </tr> <tr> <td>MPH/KPH (SPD)</td> <td style="text-align: center;">NO</td> <td>ENGINE CTRLR / DRIVE TRAIN J1939 / CLUSTER</td> <td>TRANSMISSION</td> </tr> <tr> <td>FUEL</td> <td style="text-align: center;">YES</td> <td>SYSTEM CTRLR / DRIVE TRAIN J1939 / CLUSTER</td> <td>FUEL TANK</td> </tr> <tr> <td>VOLT</td> <td style="text-align: center;">YES</td> <td>SYSTEM CTRLR / DRIVE TRAIN J1939 / CLUSTER</td> <td style="text-align: center;">-</td> </tr> <tr> <td>AIR 1 (PRES)</td> <td style="text-align: center;">YES</td> <td>SYSTEM CTRLR / DRIVE TRAIN J1939 / CLUSTER</td> <td>INSIDE CAB-DASH PNL</td> </tr> <tr> <td>AIR 2 (PRES)</td> <td style="text-align: center;">YES</td> <td>SYSTEM CTRLR / DRIVE TRAIN J1939 / CLUSTER</td> <td>STEERING COL AREA</td> </tr> <tr> <td>WATER (TEMP)</td> <td style="text-align: center;">YES</td> <td>ENGINE CTRLR / DRIVE TRAIN J1939 / CLUSTER</td> <td>ENGINE</td> </tr> <tr> <td>ENG OIL (TEMP)</td> <td style="text-align: center;">YES</td> <td>ENGINE CTRLR / DRIVE TRAIN J1939 / CLUSTER</td> <td>ENGINE</td> </tr> <tr> <td>OIL (PRES)</td> <td style="text-align: center;">YES</td> <td>ENGINE CTRLR / DRIVE TRAIN J1939 / CLUSTER</td> <td>ENGINE</td> </tr> <tr> <td>TRANS (TEMP)</td> <td style="text-align: center;">YES</td> <td>SYSTEM CTRLR / DRIVE TRAIN J1939 / CLUSTER</td> <td>TRANSMISSION</td> </tr> <tr> <td>AIR APPLICATION</td> <td style="text-align: center;">NO</td> <td>SYSTEM CTRLR / DRIVE TRAIN J1939 / CLUSTER</td> <td>FWD CHASSIS</td> </tr> <tr> <td>REAR AXLE TEMP</td> <td style="text-align: center;">YES</td> <td>SYSTEM CTRLR / DRIVE TRAIN J1939 / CLUSTER</td> <td>AXLE</td> </tr> </tbody> </table> <p style="margin-top: 20px;">NOTES: 1. WARNING LIGHTS ARE PART OF THE GAUGES AND LOCATED IN THE GAUGE</p>				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	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
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	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																																																				
DWG	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME	RELEASE NO.	DATE	PART NO.	SHEET																																													
CNA	0MAY07	REVISED & REDRAWN	A	60782A	U00K640	42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS	59974G	20APR06	AE08-56614	01																																													

Figure 105 IP/Gauges

8.2. WARNING LIGHT LIST, P. 2

INTERNATIONAL TRUCK AND ENGINE CORPORATION				ELECTRICAL CIRCUIT DIAGRAM CHAPTER 8			
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 RESERVOIR		
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	TRUCK CTRLR / DRIVE TRAIN J1939 / CLUSTER						
(RIGHT TURN)	SYSTEM CTRLR / DRIVE TRAIN J1939 / CLUSTER						
WAIT TO START	ENGINE CTRLR / DRIVE TRAIN J1939 / CLUSTER						
FASTEN BELTS	SYSTEM 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						
TOUCH LOC RELEASE	DISCRETE NOT ON DATA BUS						
PARK FLUID	SYSTEM CTRLR/DRIVE TRAIN						
FR AXLE ENGAGED	DISCRETE NOT ON DATA BUS				TRANSFER CASE		
CHR	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME	
CNA	05MAY07	REVISED & REDRAWN	A	60782A	U00K640	42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS	
					RELEASE NO.	DATE	PART NO. SHEET
					59974G	20APR06	AE08-56614 02

Figure 106 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 8 WARNING LIGHTS CONTROLLED BY ENGINE, TRANSMISSION, ABS CONTROLLER			
THE FOLLOWING WARNING LIGHTS ARE CONTROLLED BY THE ENGINE, TRANSMISSION, OR ABS CONTROLLER OVER THE DATA BUS AND DO NOT HAVE INDEPENDENT CIRCUITS THAT CAN BE OR NEEDS TO BE SHOWN: DO NOT SHIFT ENGINE (YELLOW LENS) ENGINE (RED LENS) TRAC CTRL CHECK TRANS TRAILER ABS CHECK ELECTR SYS ABS WAIT TO START RETARD OVERHEAT AUTO NEUTRAL OPTIMIZED IDLE							
CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME	
CNA	05MAY07	REVISED & REDRAWN	A	60782A	U00K640	42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS	
					RELEASE NO.	DATE	
					59974G	20APR06	
					PART NO.	SHEET	
					AE08-56614	03	

Figure 107 Warning Lights Controlled by Engine, Transmission, ABS Controller

8.4. ENGINE OIL PRESSURE AND TEMP, SPEEDOMETER, TACHOMETER, VOLTMETER AND WATER TEMP GAUGE CIRCUITS, 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 8 ENG OIL PRESS & TEMP, SPEEDOMETER, TACH, VOLTMETER & WATER TEMP GAUGE CIRCUITS			
REFER TO CONSOLIDATED ENGINE / VEHICLE CONTROLLER DIAGNOSTICS MANUAL EGES-175 (DT466E), EGES-190 (T444E), FOR CIRCUIT DIAGRAMS SHOWING INPUT CIRCUIT FOR THE FOLLOWING DATALINK DRIVEN SYSTEM: ENGINE OIL PRESSURE GAUGE ENGINE OIL TEMPERATURE GAUGE SPEEDOMETER GAUGE TACHOMETER GAUGE WATER TEMPERATURE GAUGE							
CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME	
CNA	05MAY07	REVISED & REDRAWN	A	60782A	U00K640	42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS	
					RELEASE NO.	DATE	
					59974G	20APR06	
					PART NO.	SHEET	
					AE08-56614	04	

Figure 108 Engine Oil Pressure and Temp, Speedometer, Tachometer, Voltmeter and Water Temp Gauge Circuits

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

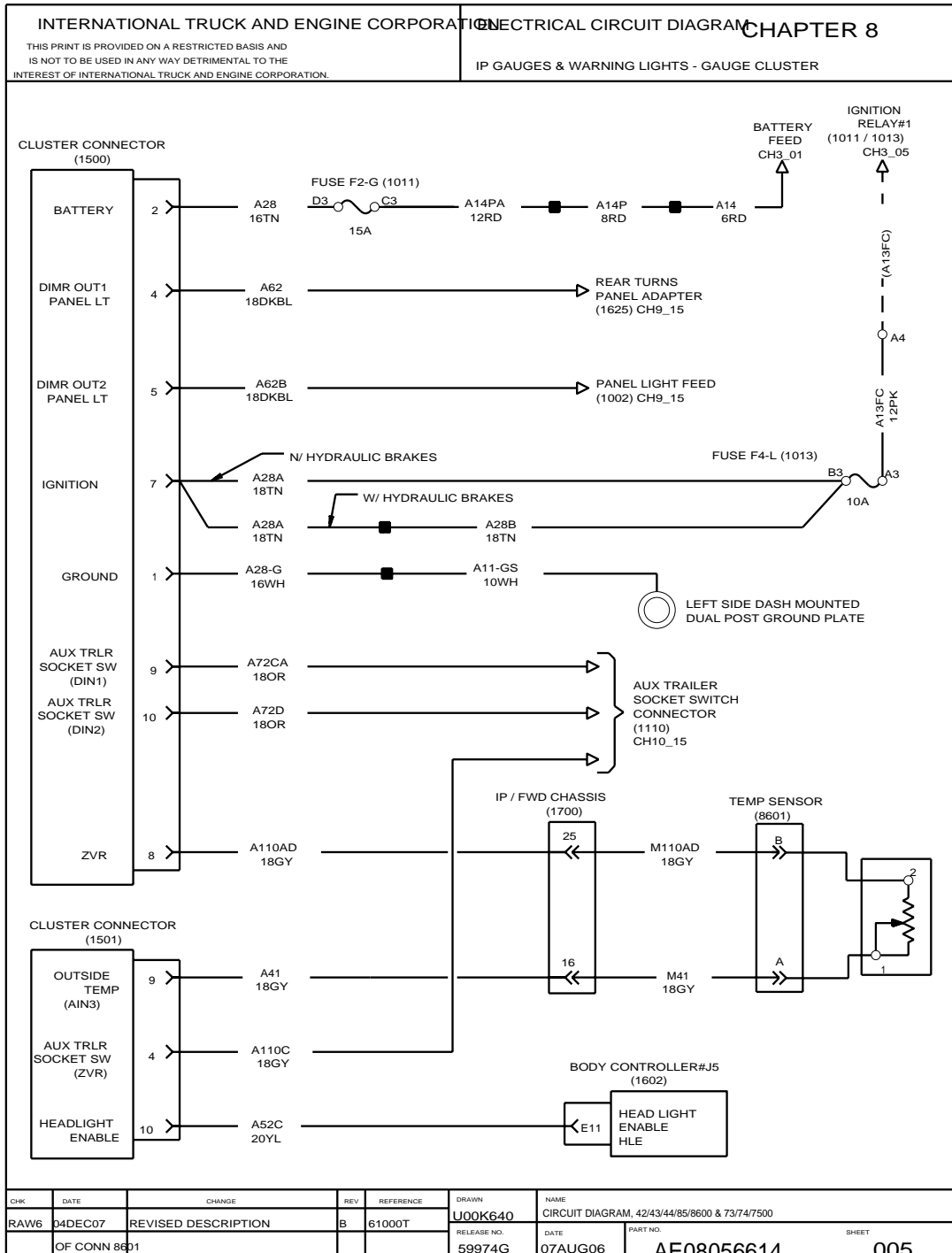


Figure 109 IP/Gauges and Warning Lights — Gauge Cluster

8.6. AIR PRESSURE INPUT CIRCUIT, P. 6

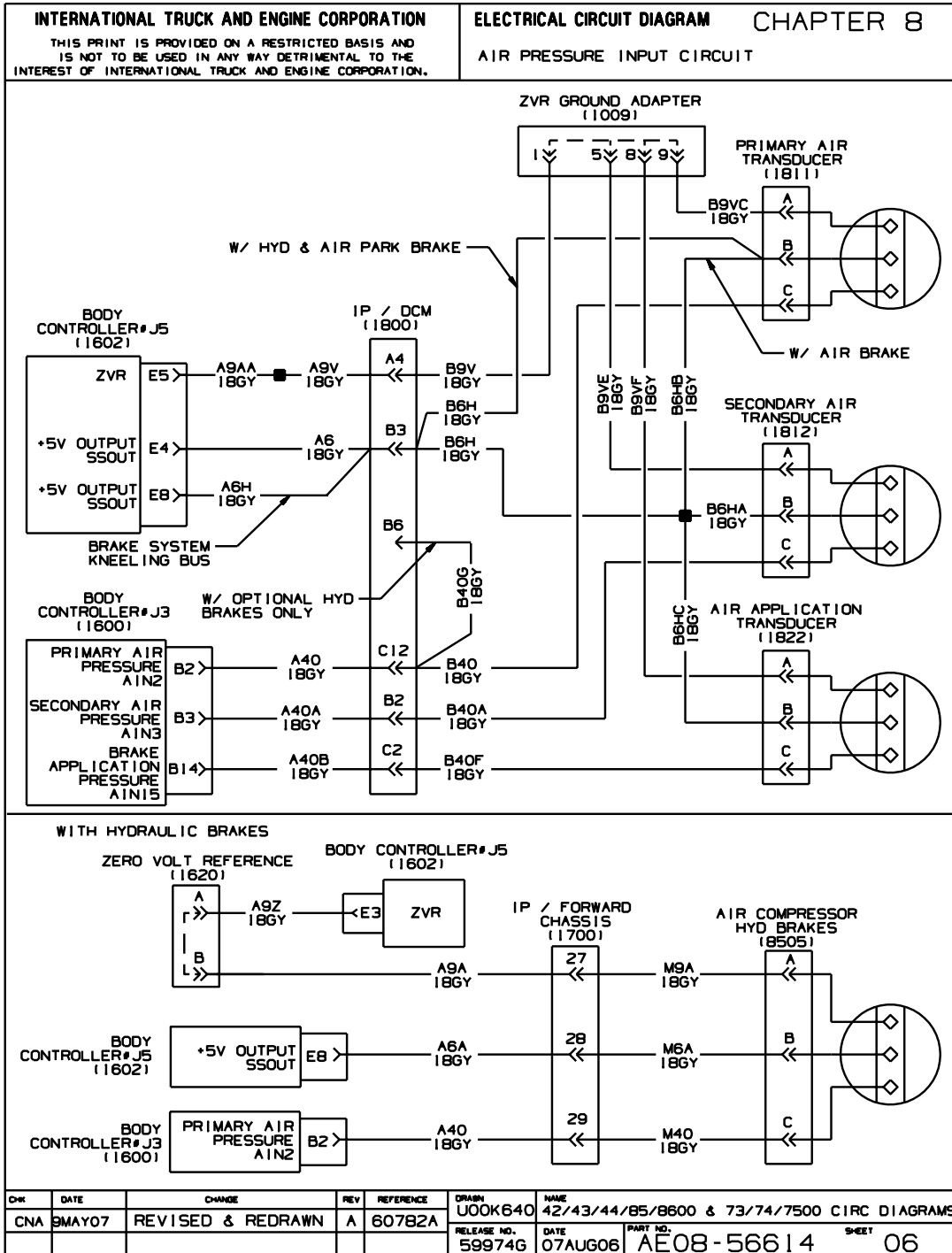


Figure 110 Air Pressure Input Circuit

8.7. AXLE TEMPERATURE, GAUGE INPUT CIRCUIT, P. 7

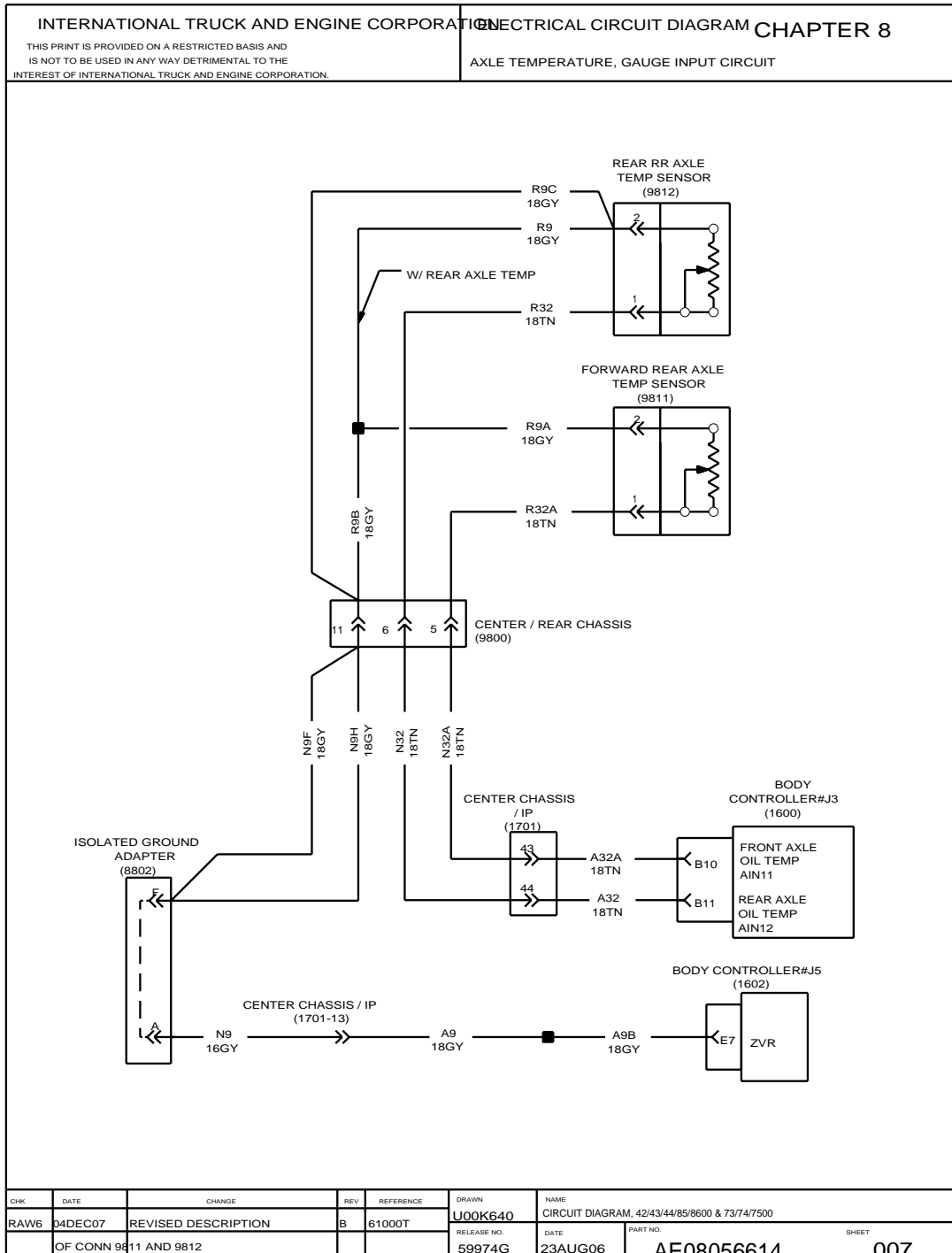


Figure 111 Axle Temperature, Gauge Input Circuit

8.8. FUEL GAUGE CIRCUITRY (SINGLE TANK), P. 8

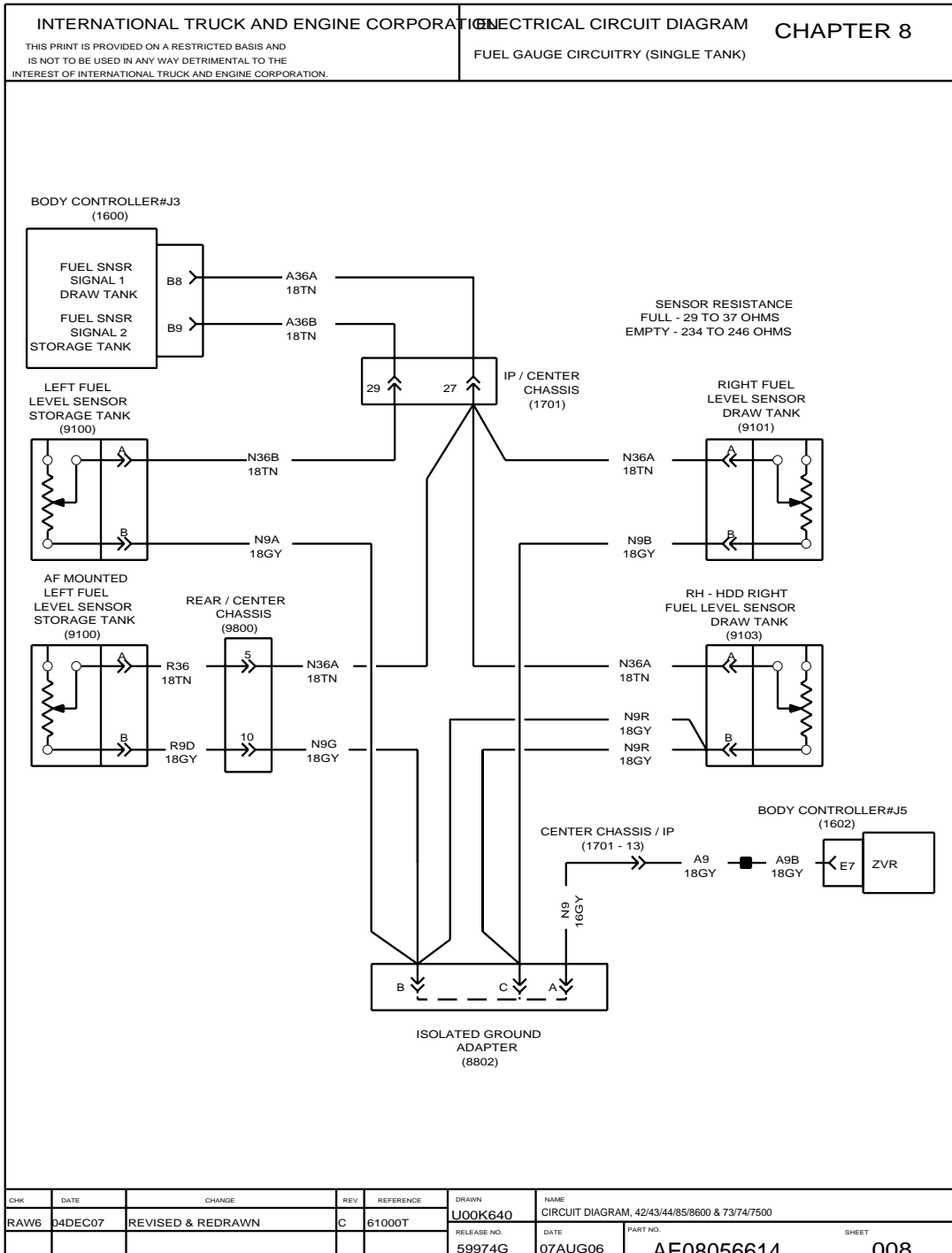


Figure 112 Fuel Gauge Circuitry (Single Tank)

8.9. DIFFERENTIAL LOCK WARNING LAMPS, P. 9

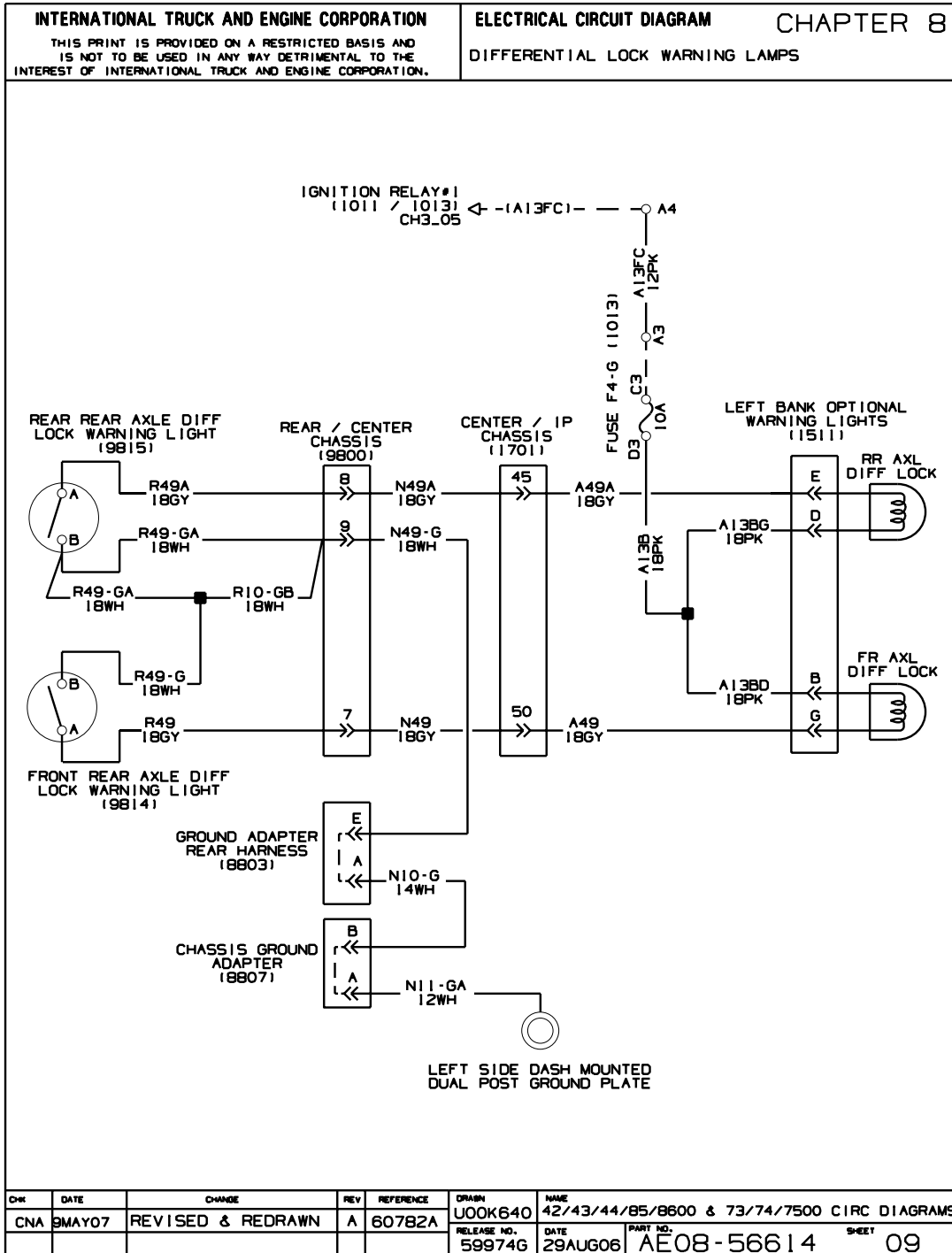


Figure 113 Differential Lock Warning Lamps

8.10. AIR PARK BRAKE AND MANUAL TRANSMISSION OIL TEMP GAUGE, P. 10

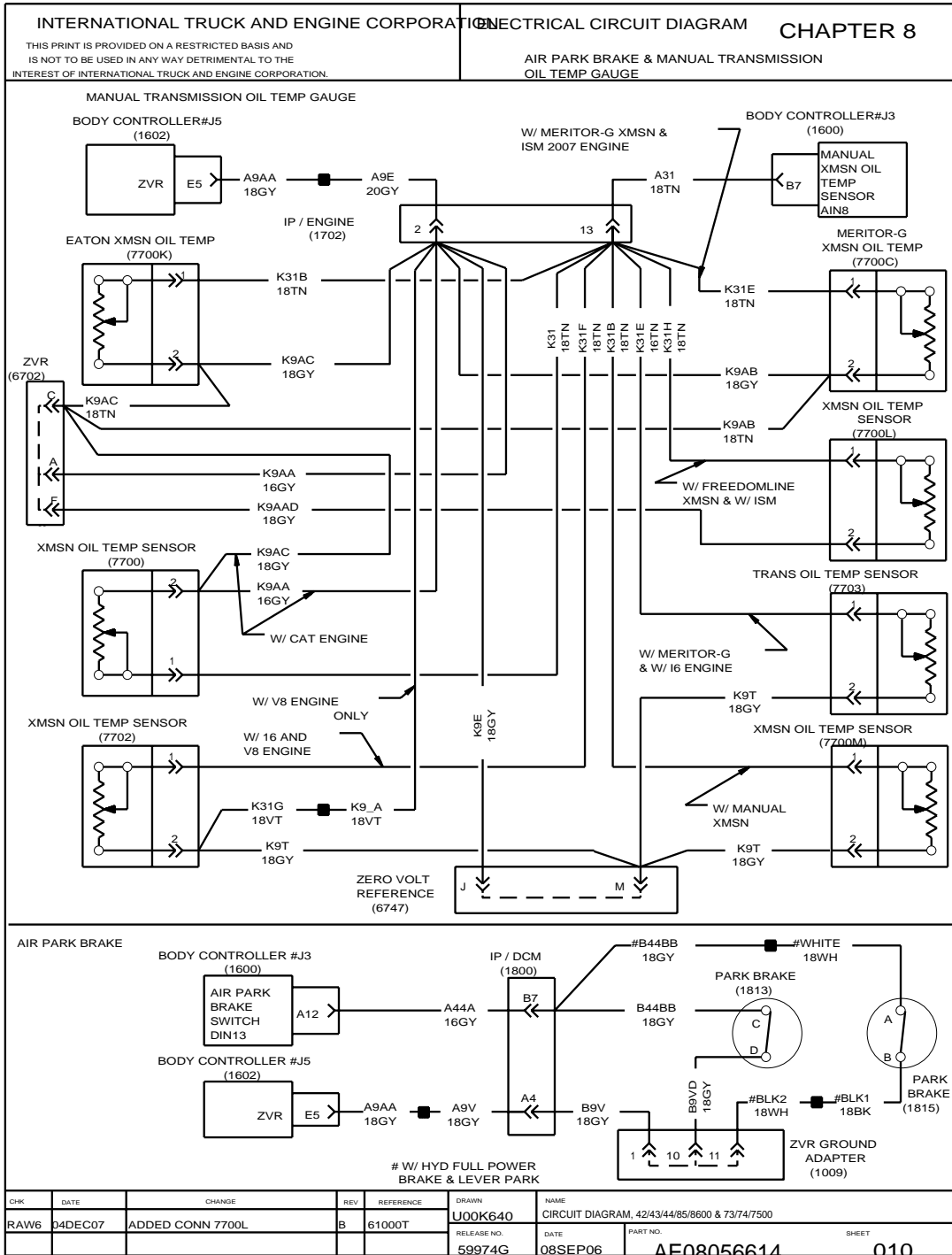


Figure 114 Air Park Brake and Manual Transmission Oil Temp Gauge

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

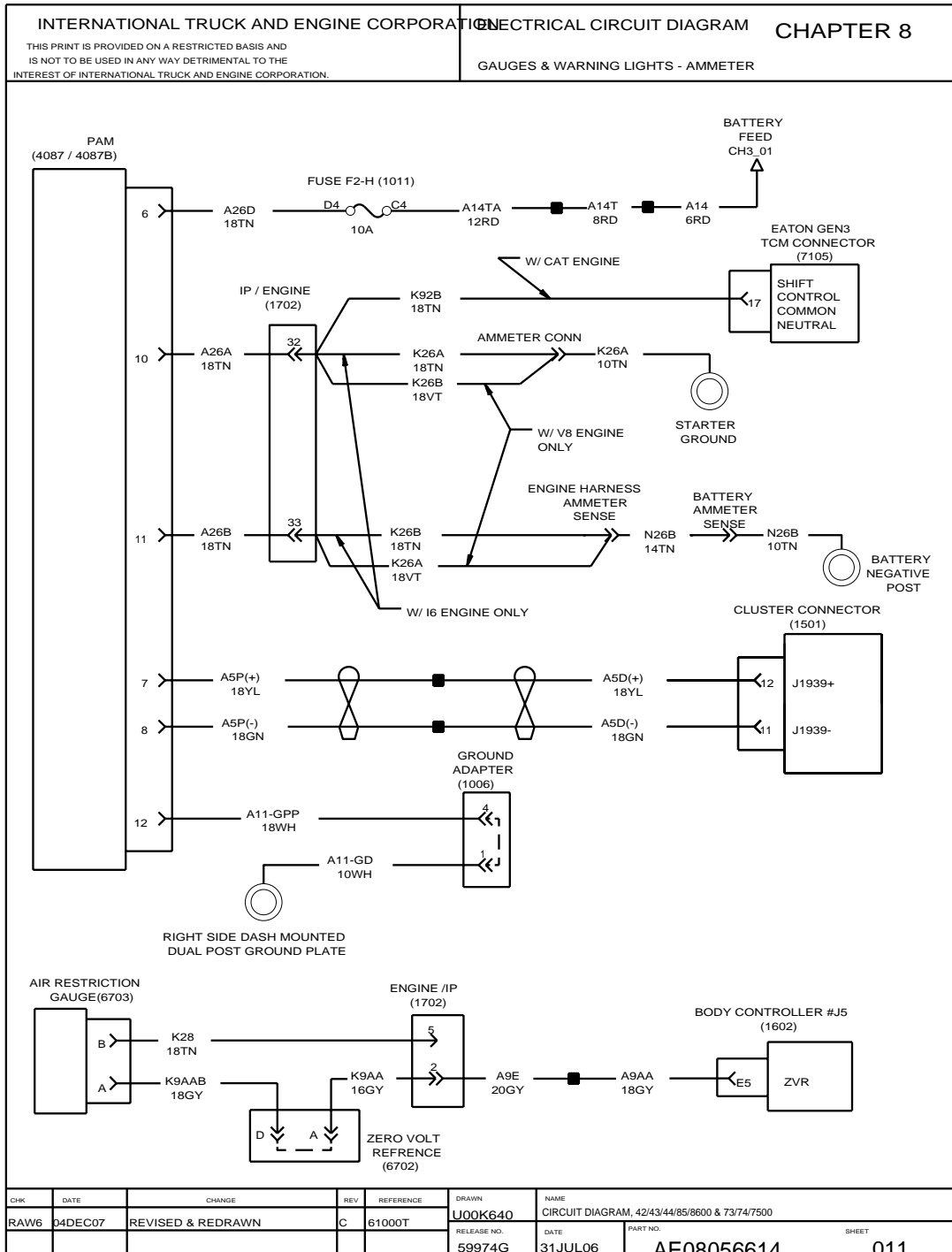


Figure 115 Gauges and Warning Lights — Ammeter

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

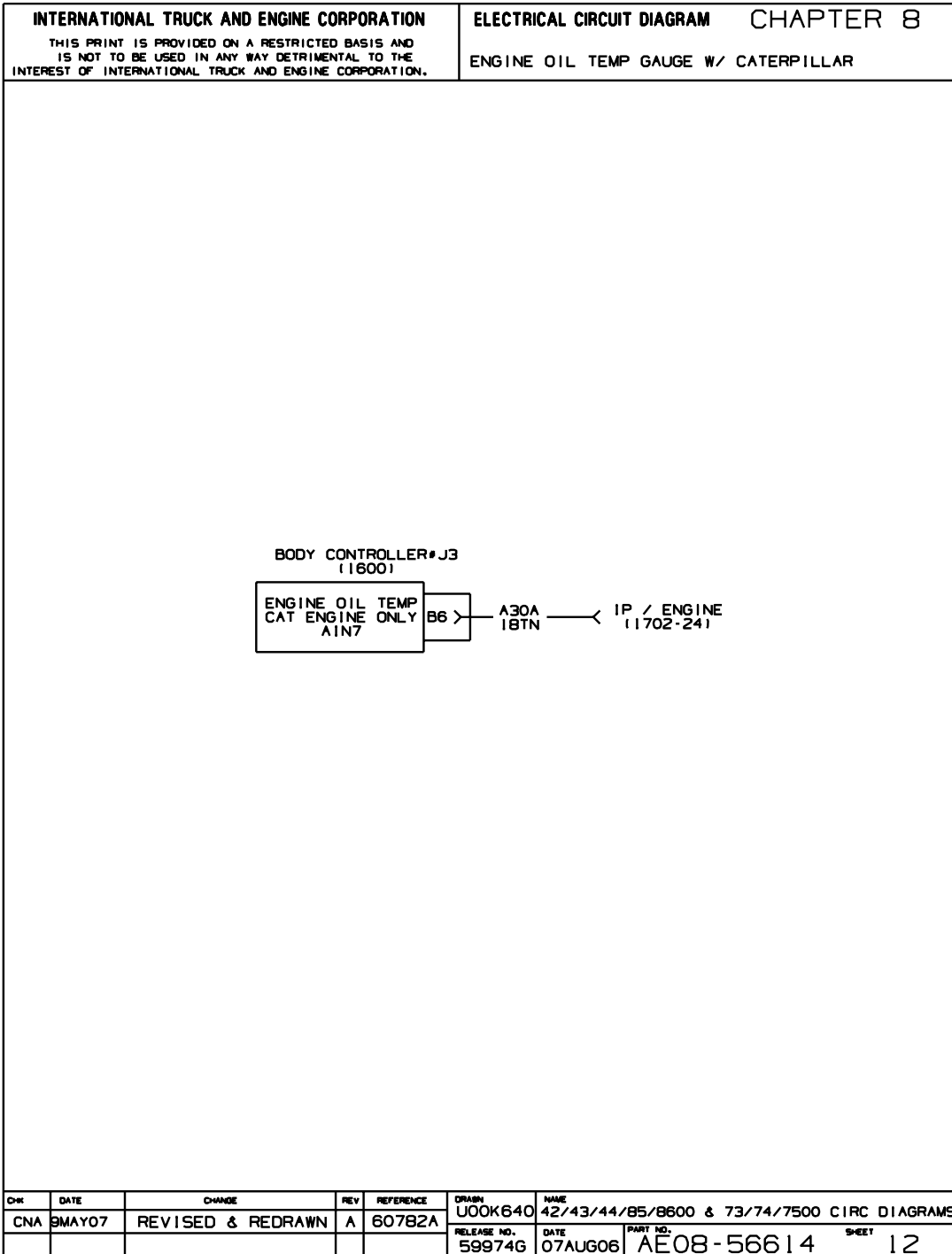


Figure 116 Engine Oil Temperature Gauge With Caterpillar

8.13. FRONT AXLE ENGAGEMENT LAMP, P. 13

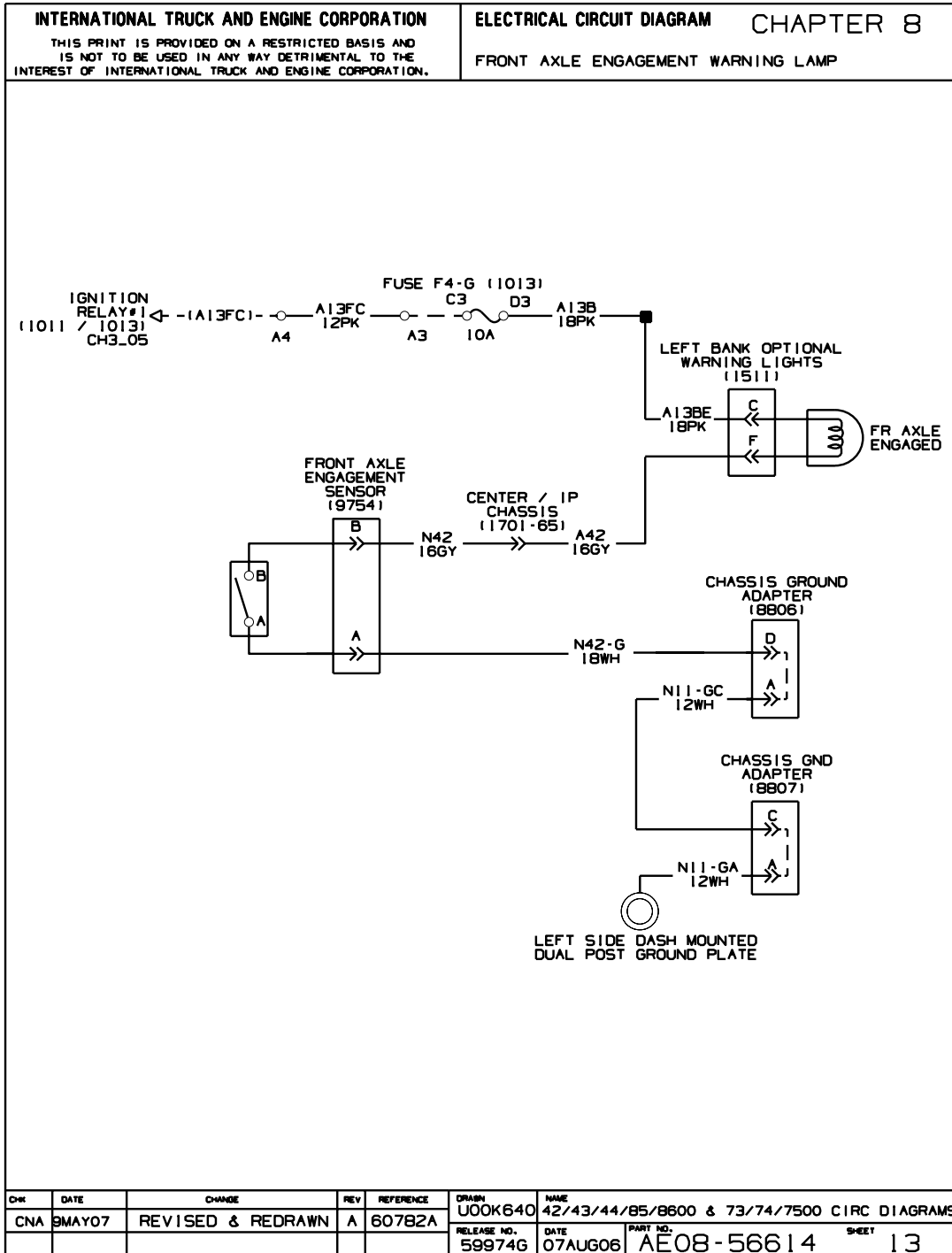


Figure 117 Front Axle Engagement Lamp

8.14. WARNING LIGHTS — OPTIONAL, P. 14

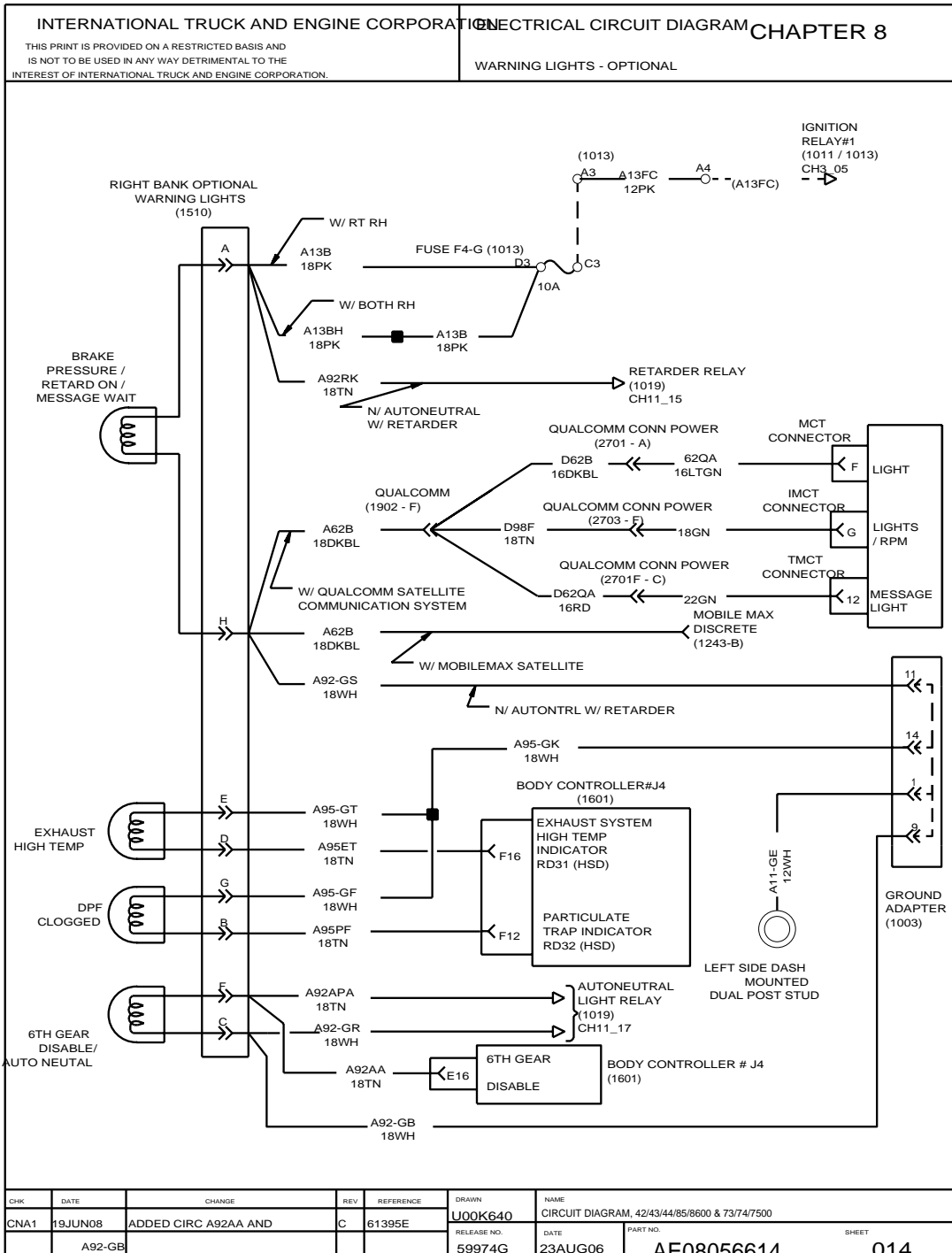


Figure 118 Warning Lights — Optional

8.15. WARNING LIGHTS — OPTIONAL, P. 15

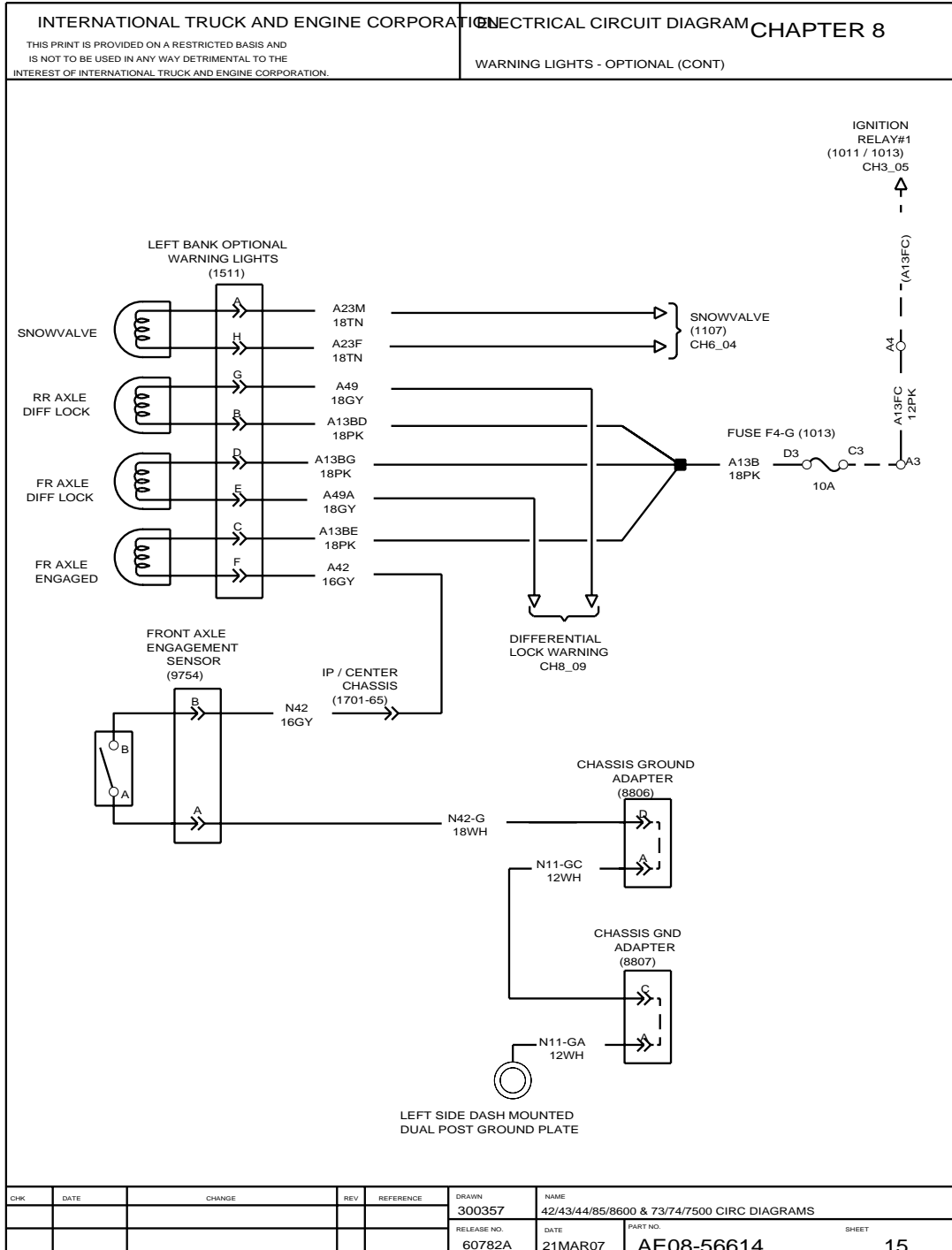


Figure 119 Warning Lights — Optional (Cont.)

8.16. LOAD MONITORING, P. 16

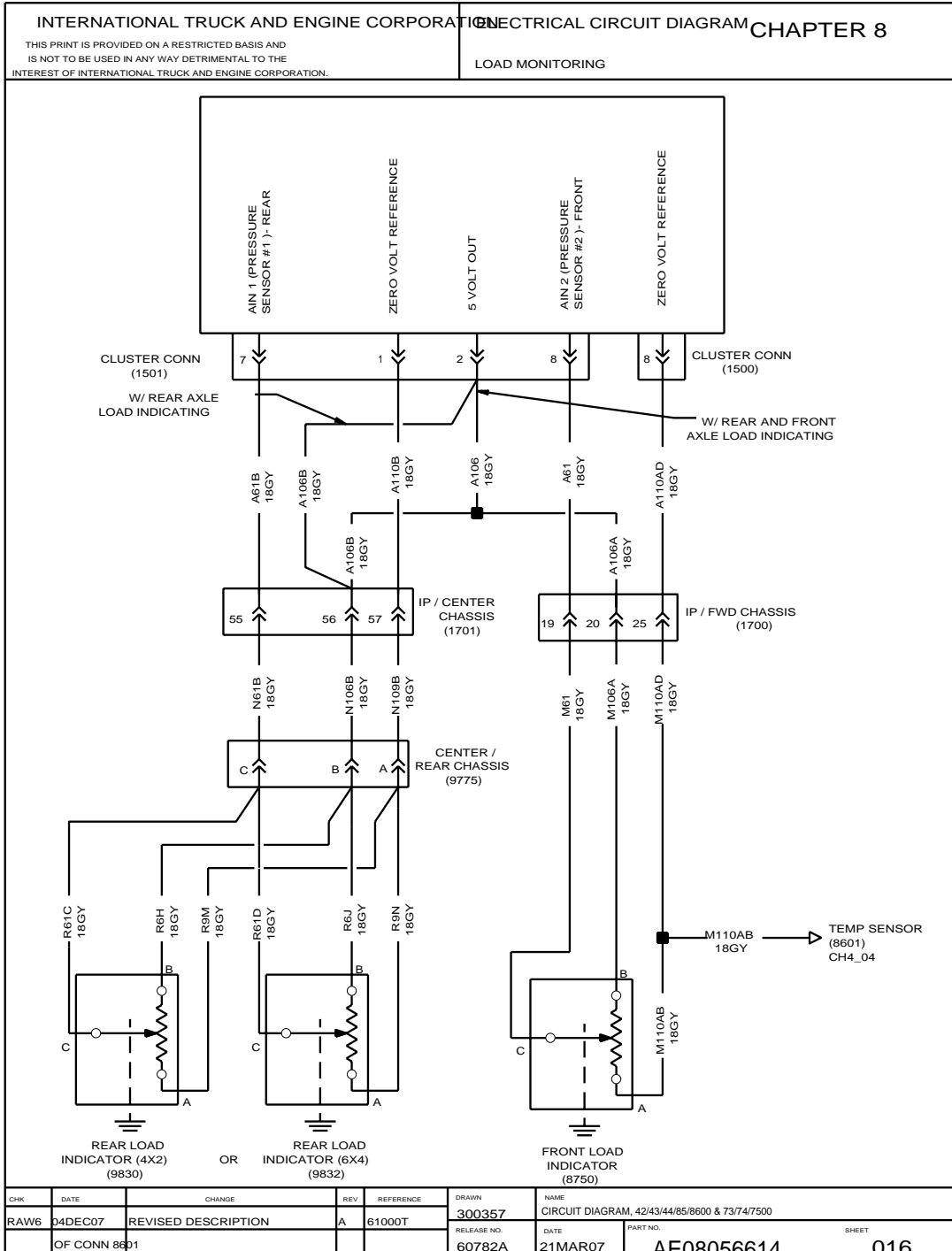


Figure 120 Load Monitoring

9. LIGHTS (CHAPTER 9)

9.1. BACKUP LIGHTS N/ ALLISON TRANSMISSION, P. 1

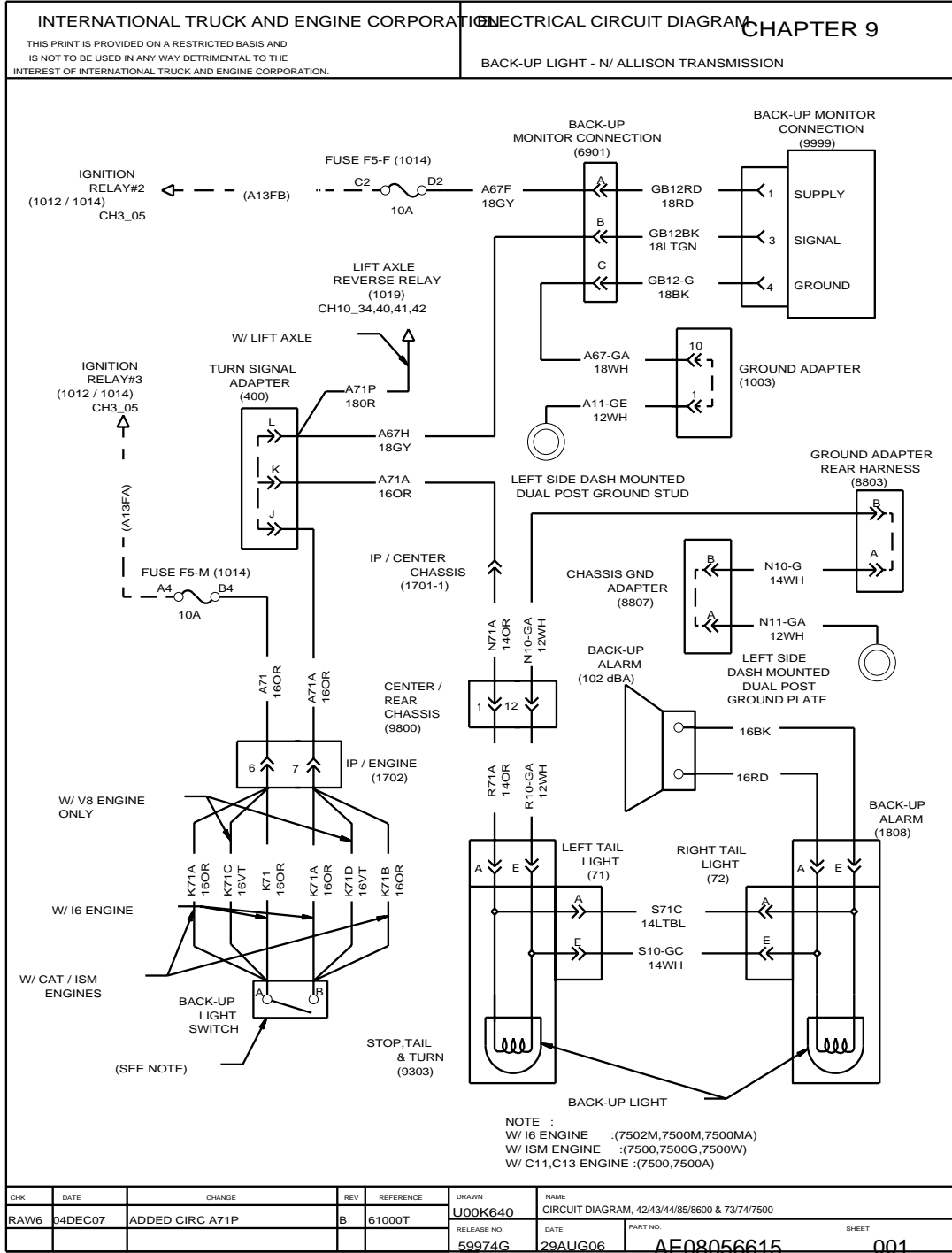


Figure 121 BackUp Lights N/ Allison Transmission

9.2. BACKUP LIGHTS W/ ALLISON TRANSMISSION, P. 2

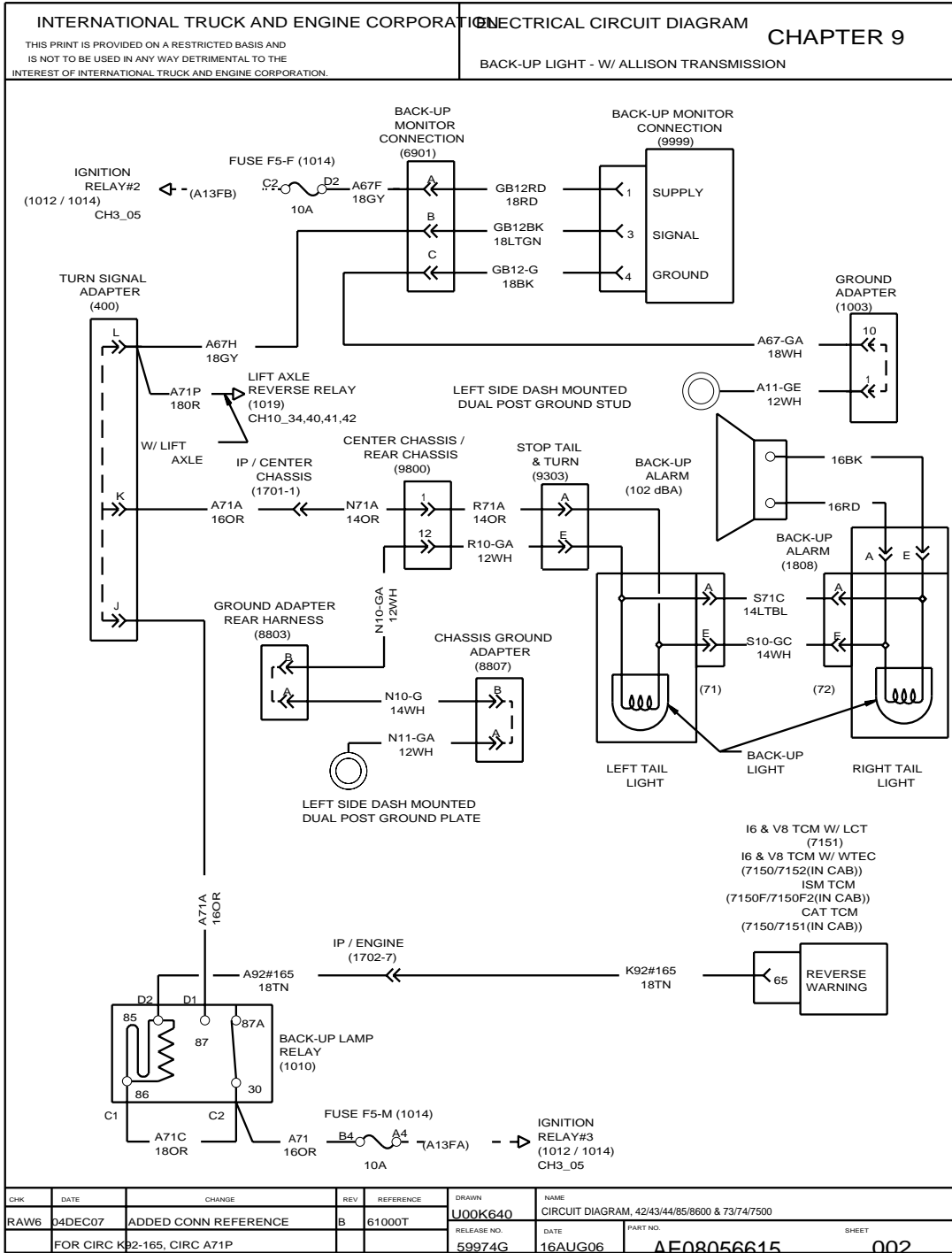


Figure 122 BackUp Lights W/ Allison Transmission

9.3. LIGHT SYSTEMS — CLEARANCE, MARKER, PARK, TAIL, TURN AND STOP LIGHTS, P. 3

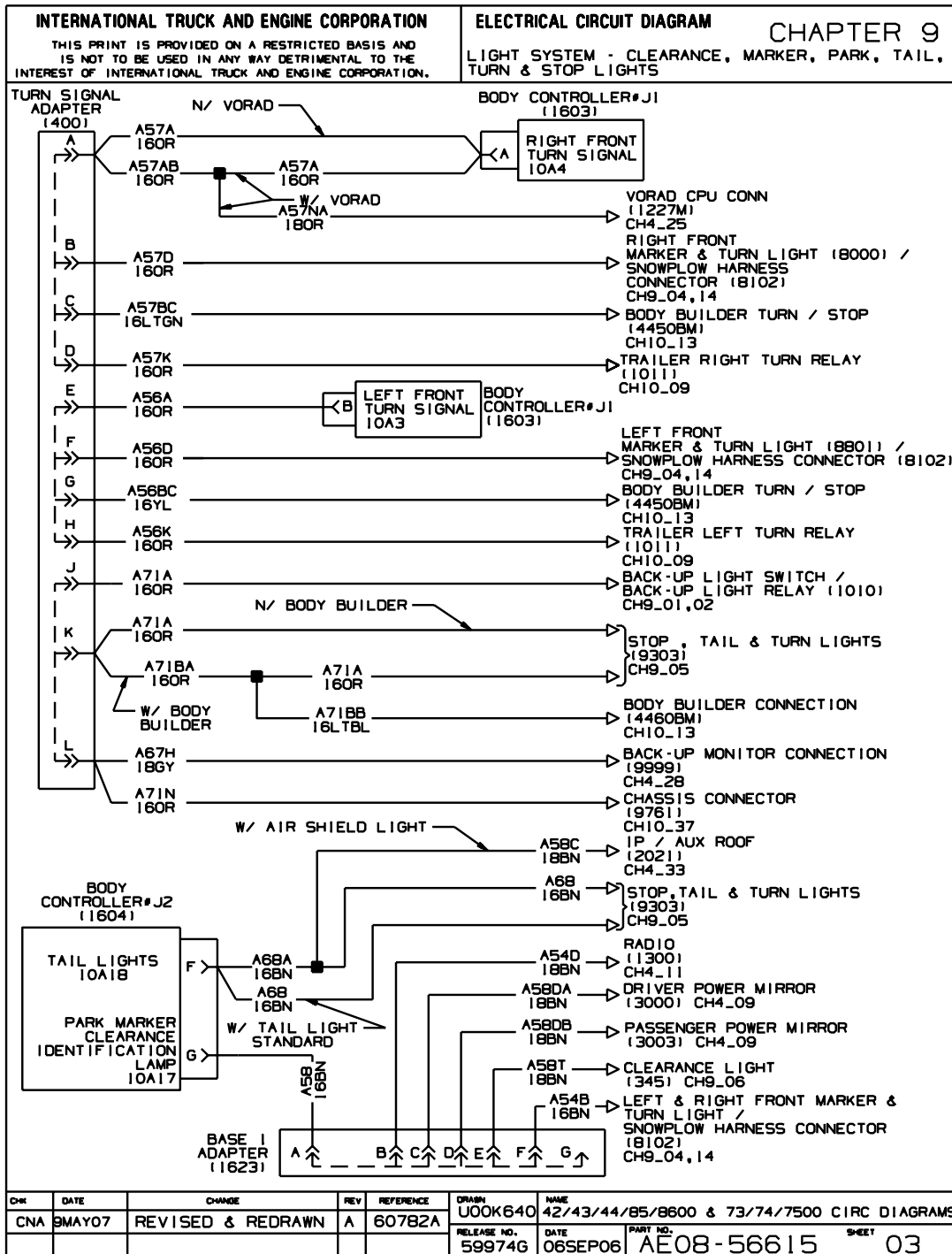


Figure 123 Light Systems — Clearance, Marker, Park, Tail, Turn and Stop Lights

9.4. LIGHT SYSTEMS — CLEARANCE, MARKER, PARK, TAIL, TURN AND STOP LIGHTS (CONT.), P. 4

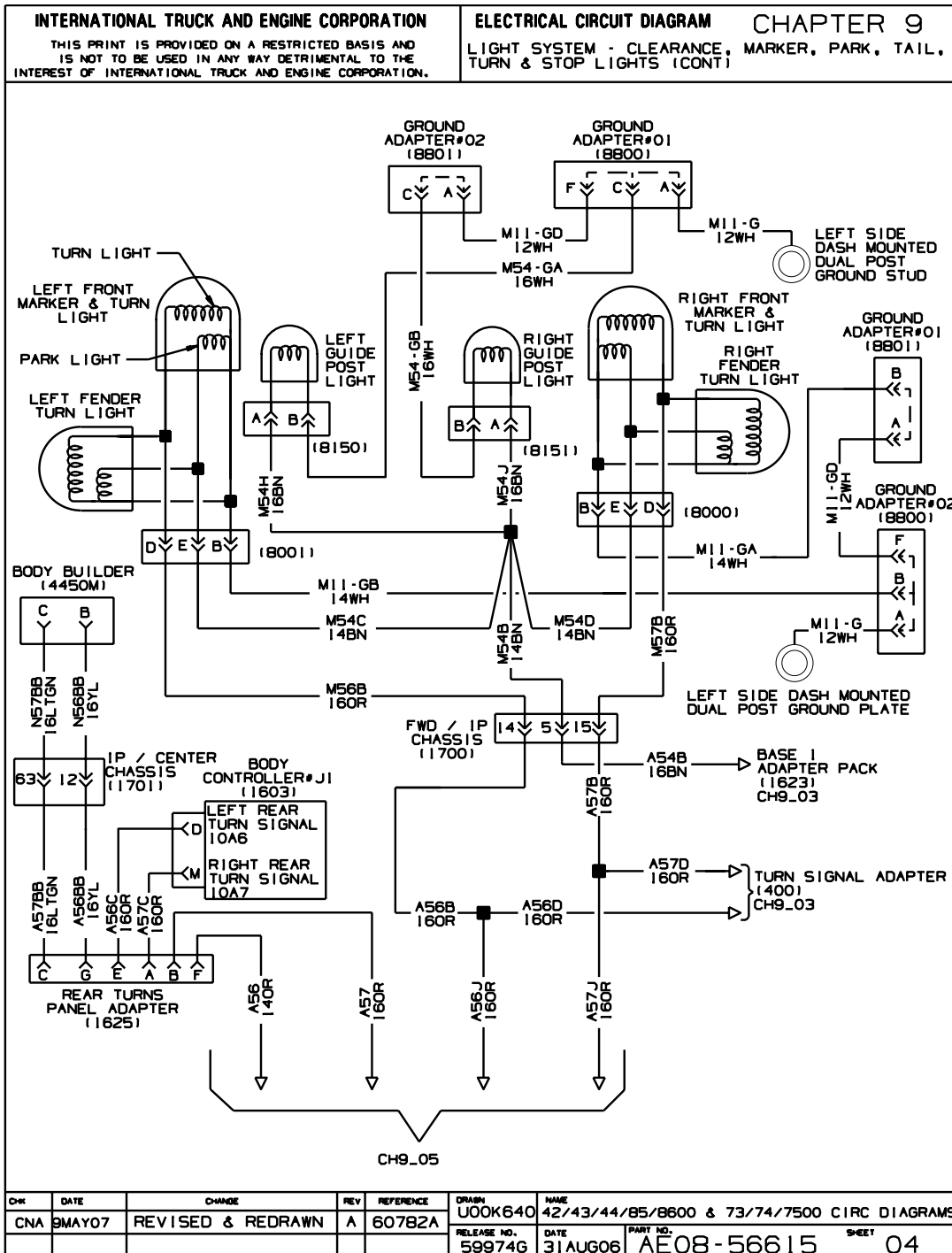


Figure 124 Light Systems — Clearance, Marker, Park, Tail, Turn and Stop Lights (Cont.)

9.5. LIGHT SYSTEMS — CLEARANCE, MARKER, PARK, TAIL, TURN AND STOP LIGHTS (CONT.), P. 5

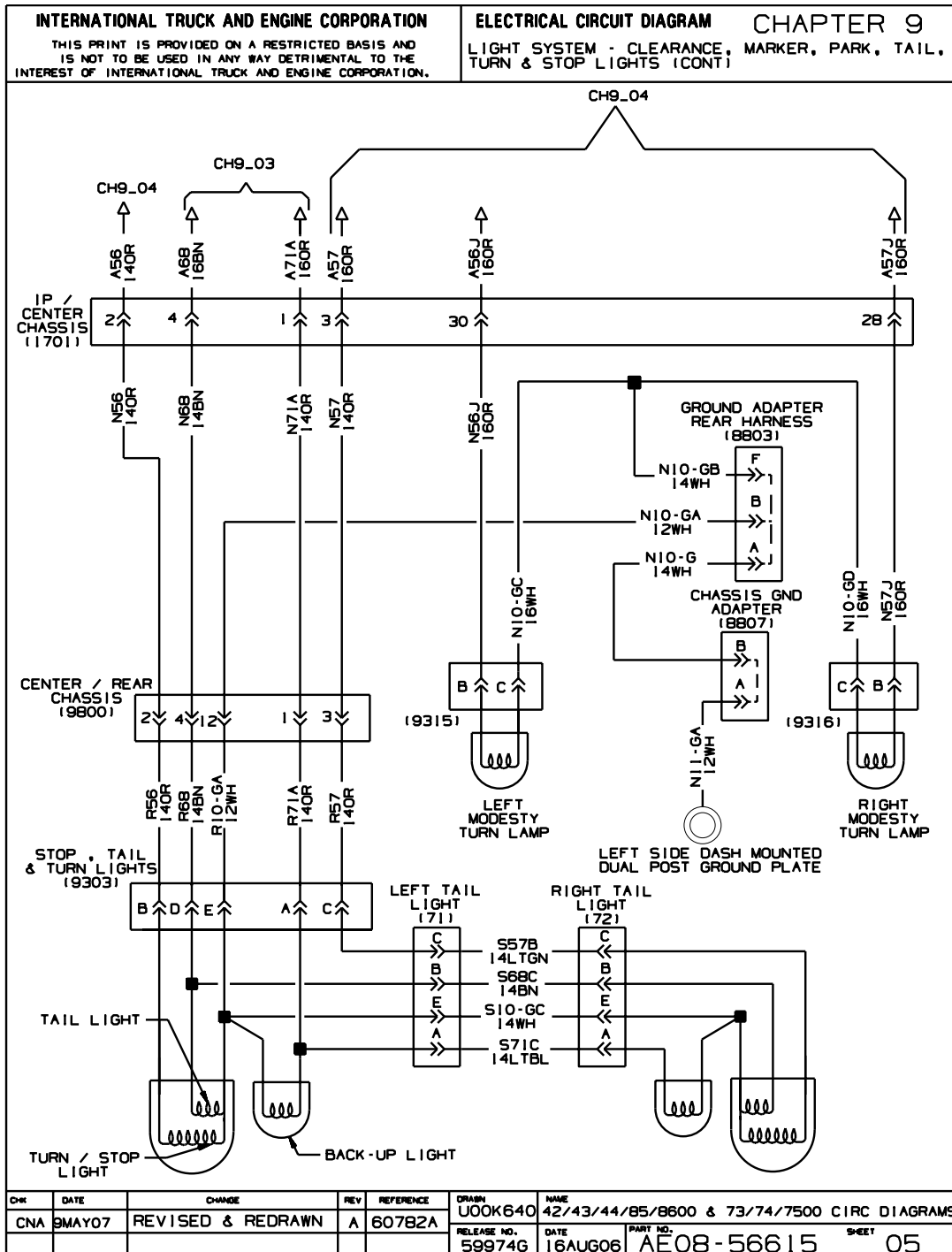


Figure 125 Light Systems — Clearance, Marker, Park, Tail, Turn and Stop Lights (Cont.)

9.6. LIGHT SYSTEMS — CLEARANCE, MARKER, PARK, TAIL, TURN AND STOP LIGHTS (CONT.), P. 6

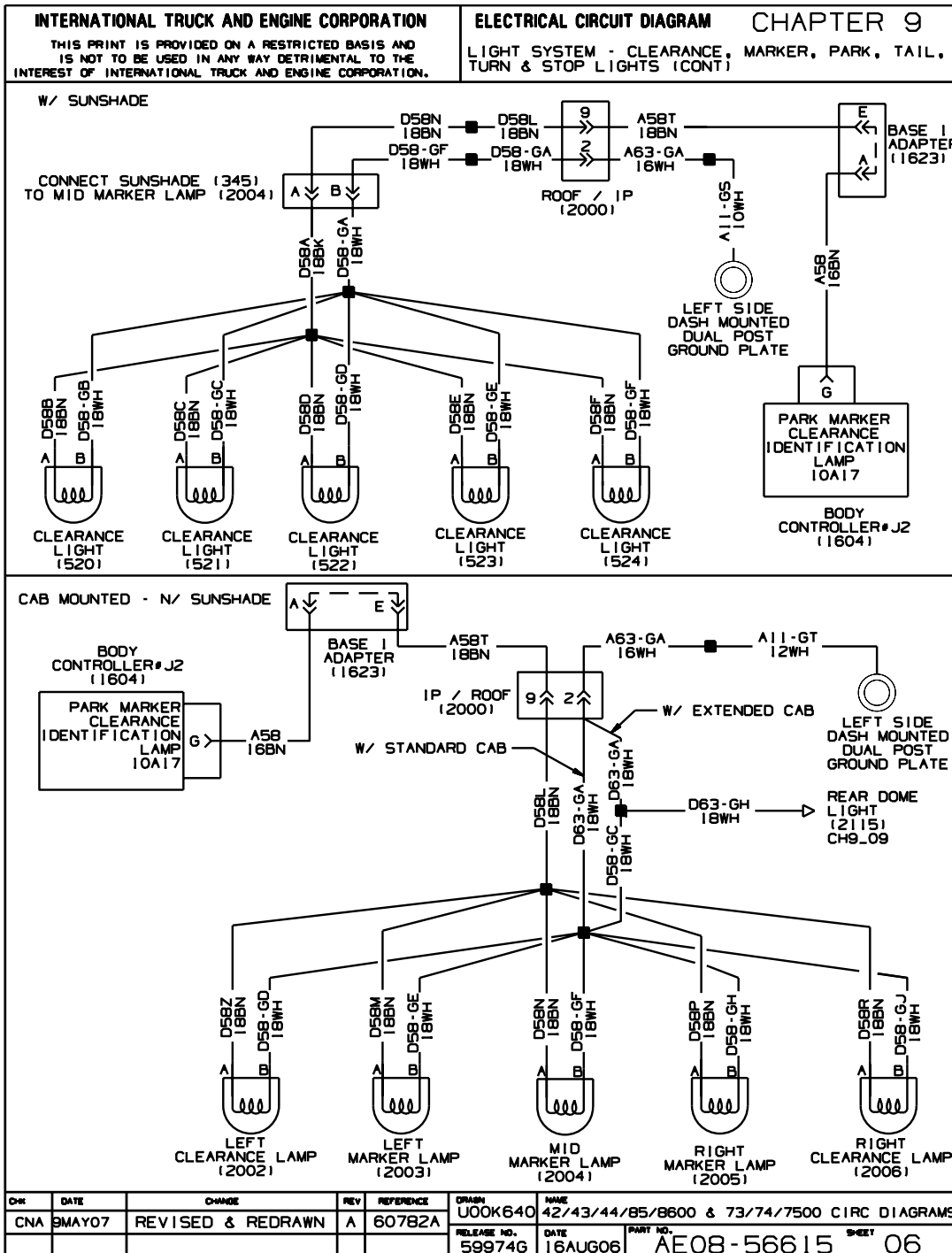


Figure 126 Light Systems — Clearance, Marker, Park, Tail, Turn and Stop Lights (Cont.)

9.7. LIGHT SYSTEMS — TURN SIGNAL AND STOP SWITCHES, P. 7

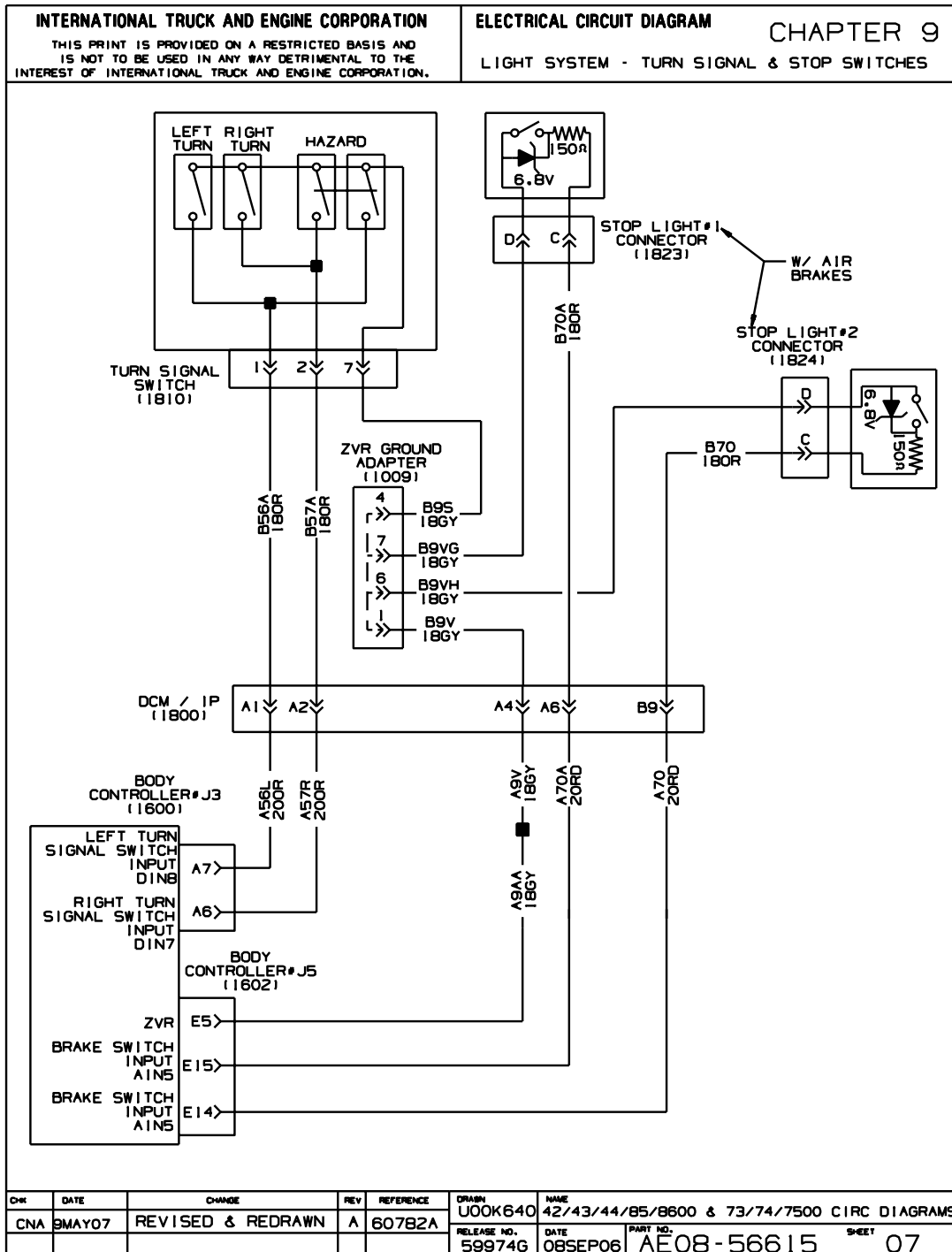


Figure 127 Light Systems — Turn Signal and Stop Switches

9.8. DOME LIGHT, MAP LIGHT, P. 8

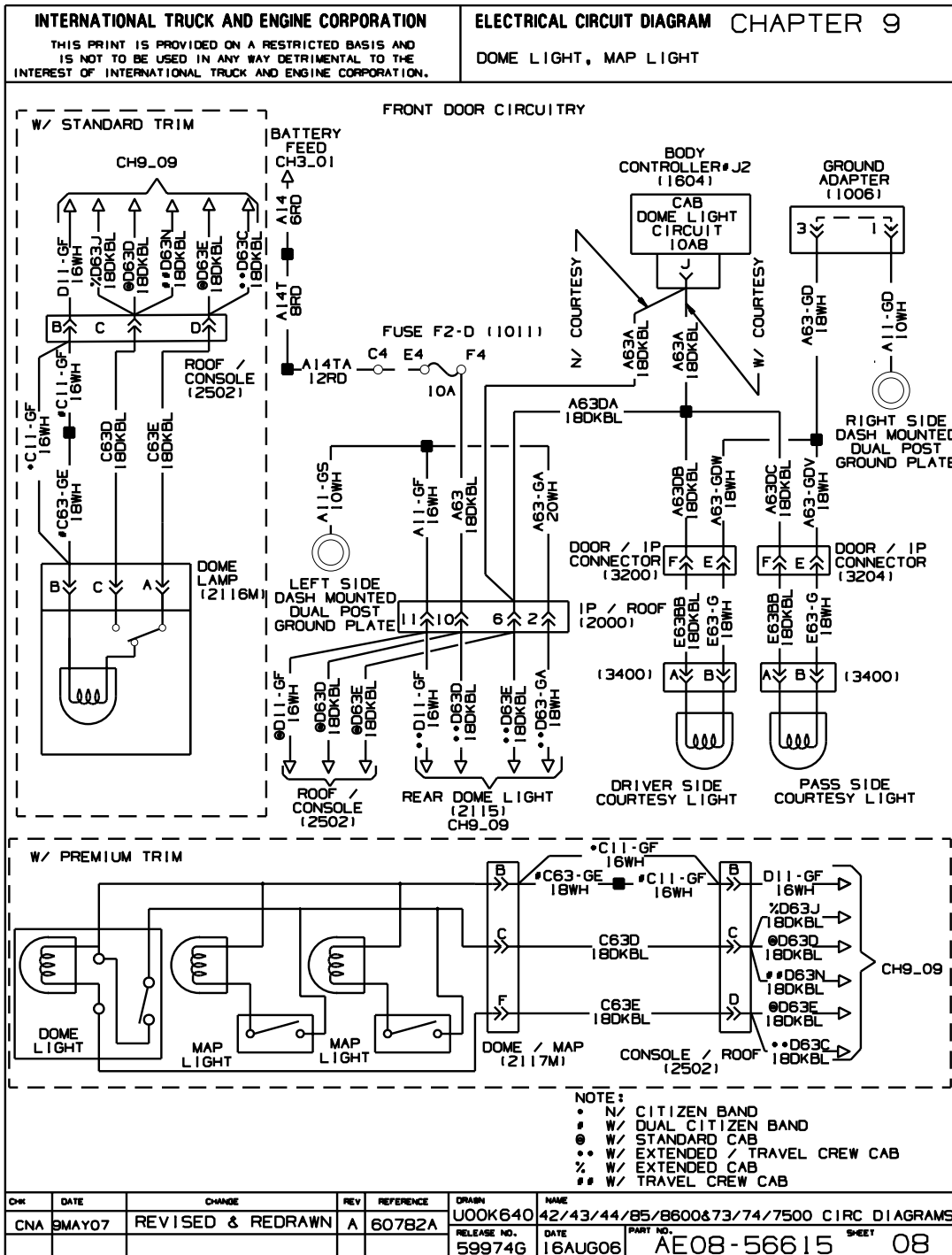


Figure 128 Dome Light, Map Light

9.9. DOME LIGHT, MAP LIGHT (CONT.), P. 9

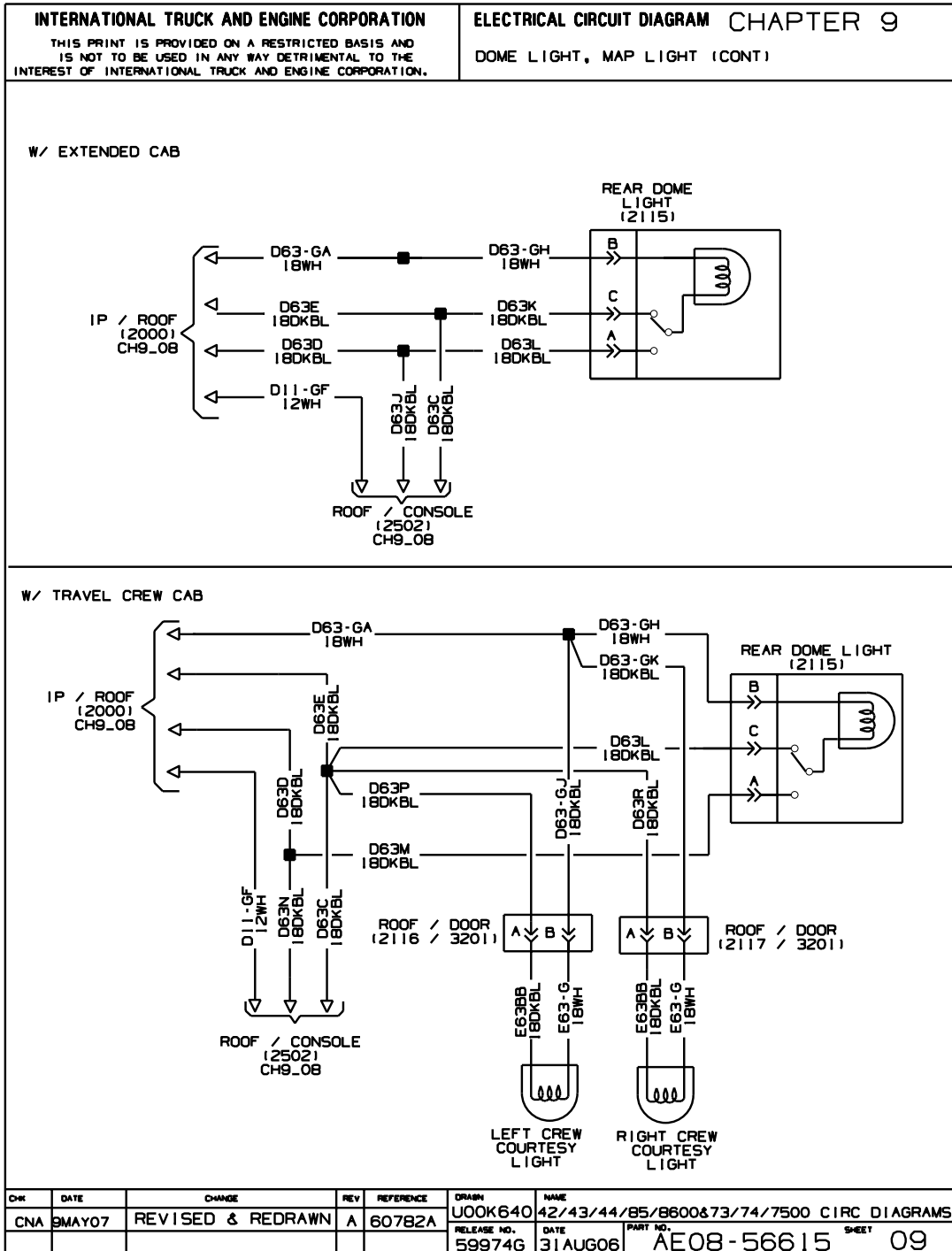


Figure 129 Dome Light, Map Light (Cont.)

9.10. DOME LIGHT, MAP LIGHT (CONT.), P. 10

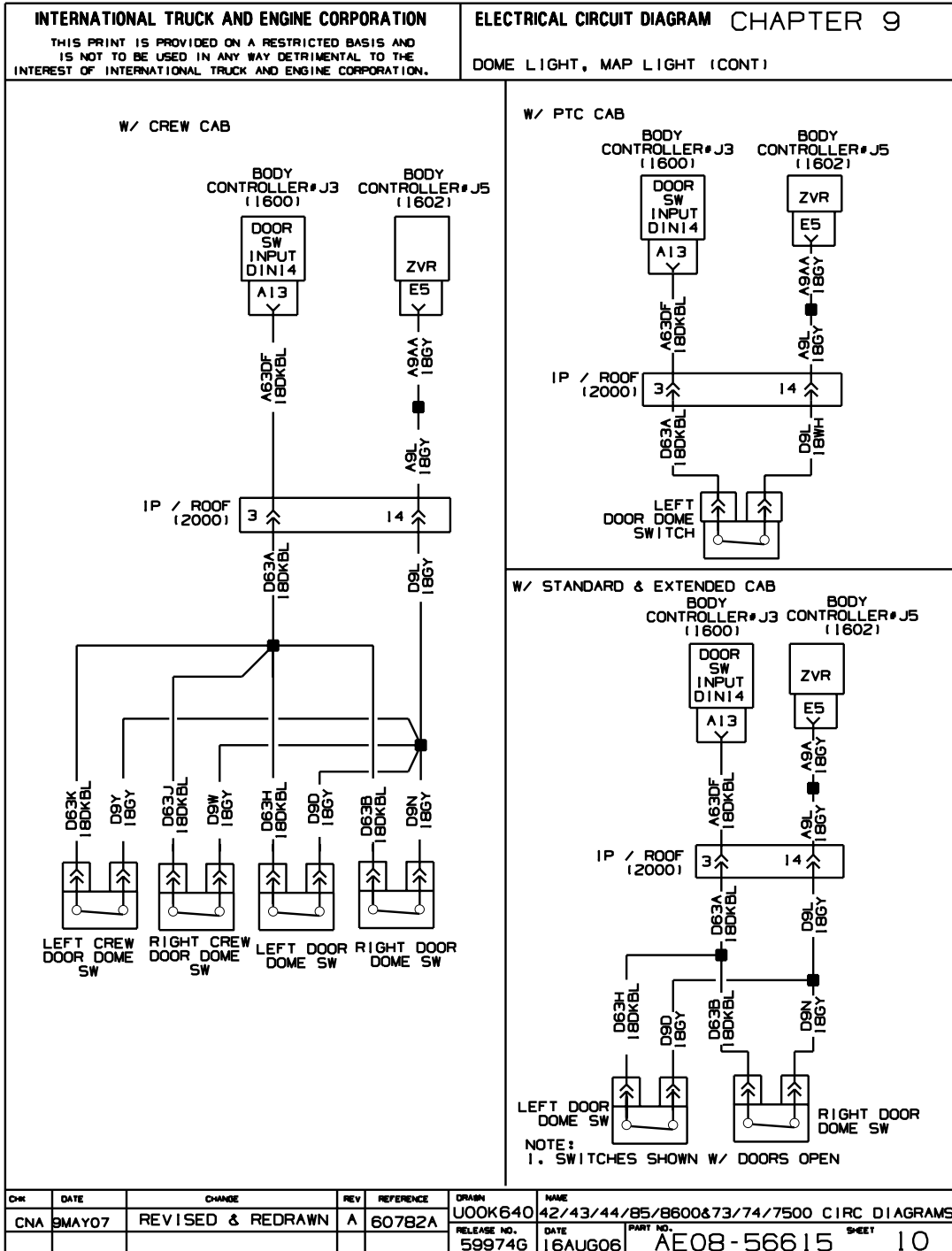


Figure 130 Dome Light, Map Light (Cont.)

9.11. FOG LIGHT AND WORK LIGHT, P. 11

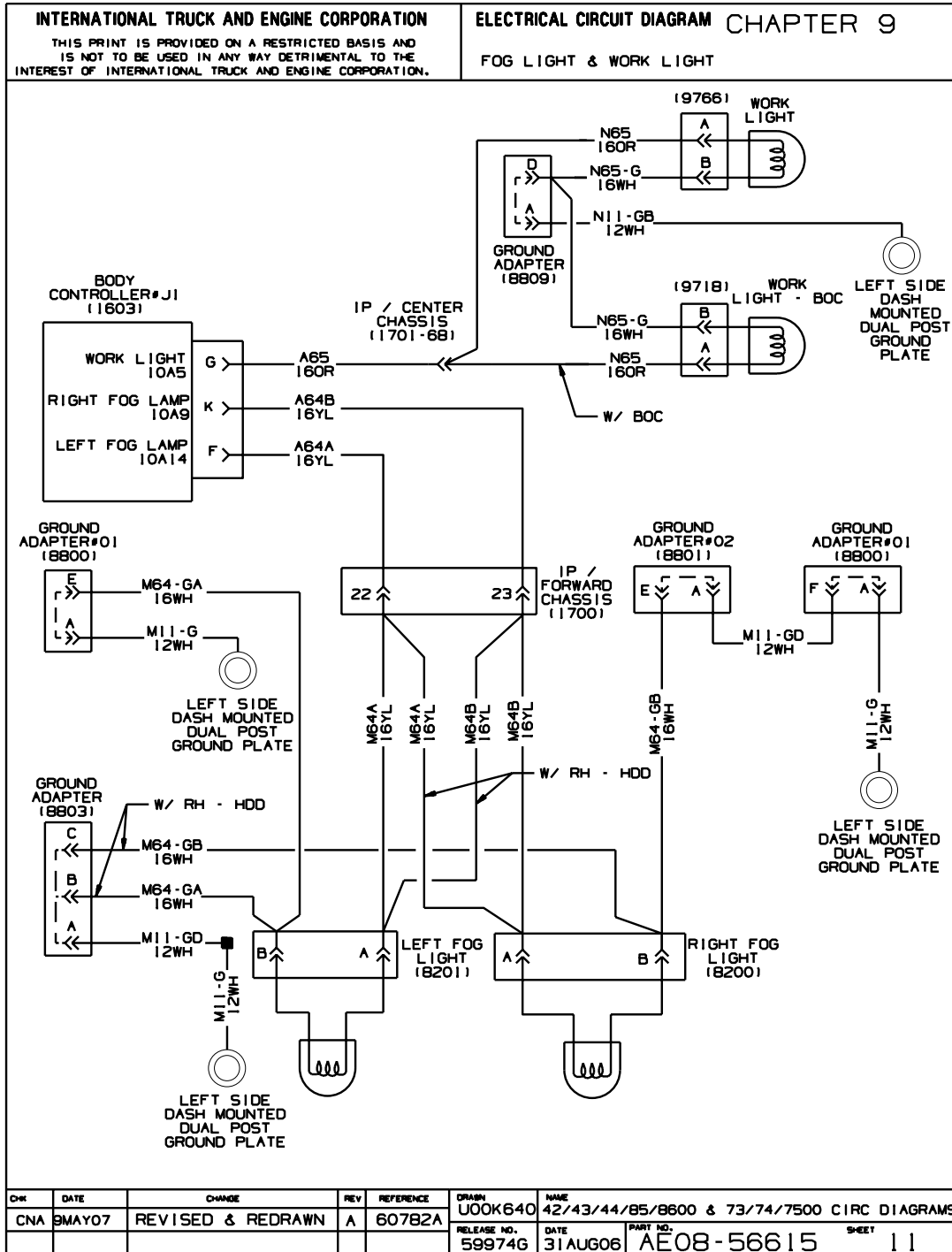


Figure 131 Fog Light and Work Light

9.12. HEADLIGHTS, P. 12

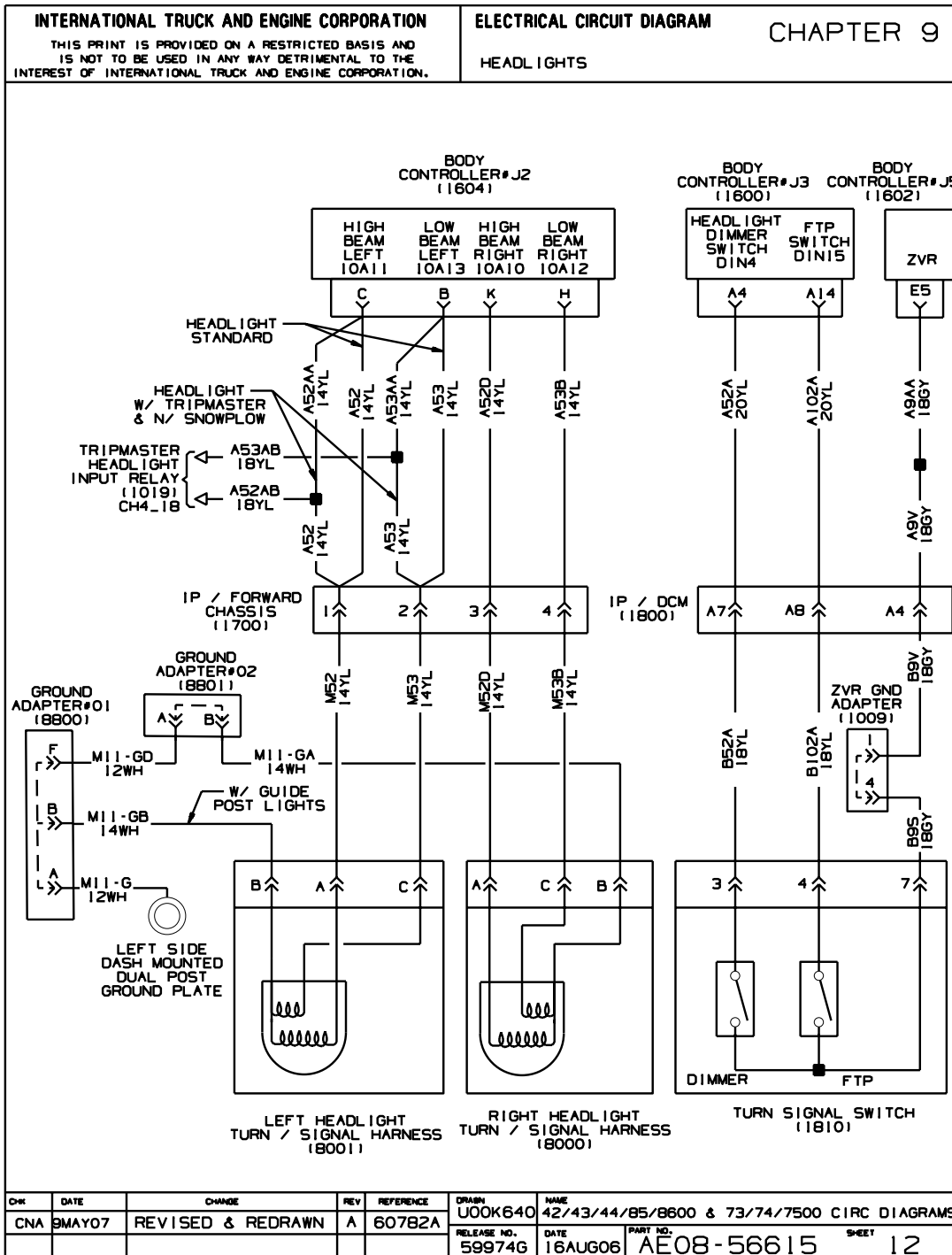


Figure 132 Headlights

9.13. AUX. HEADLIGHTS, SNOW PLOW LIGHTS, P. 13

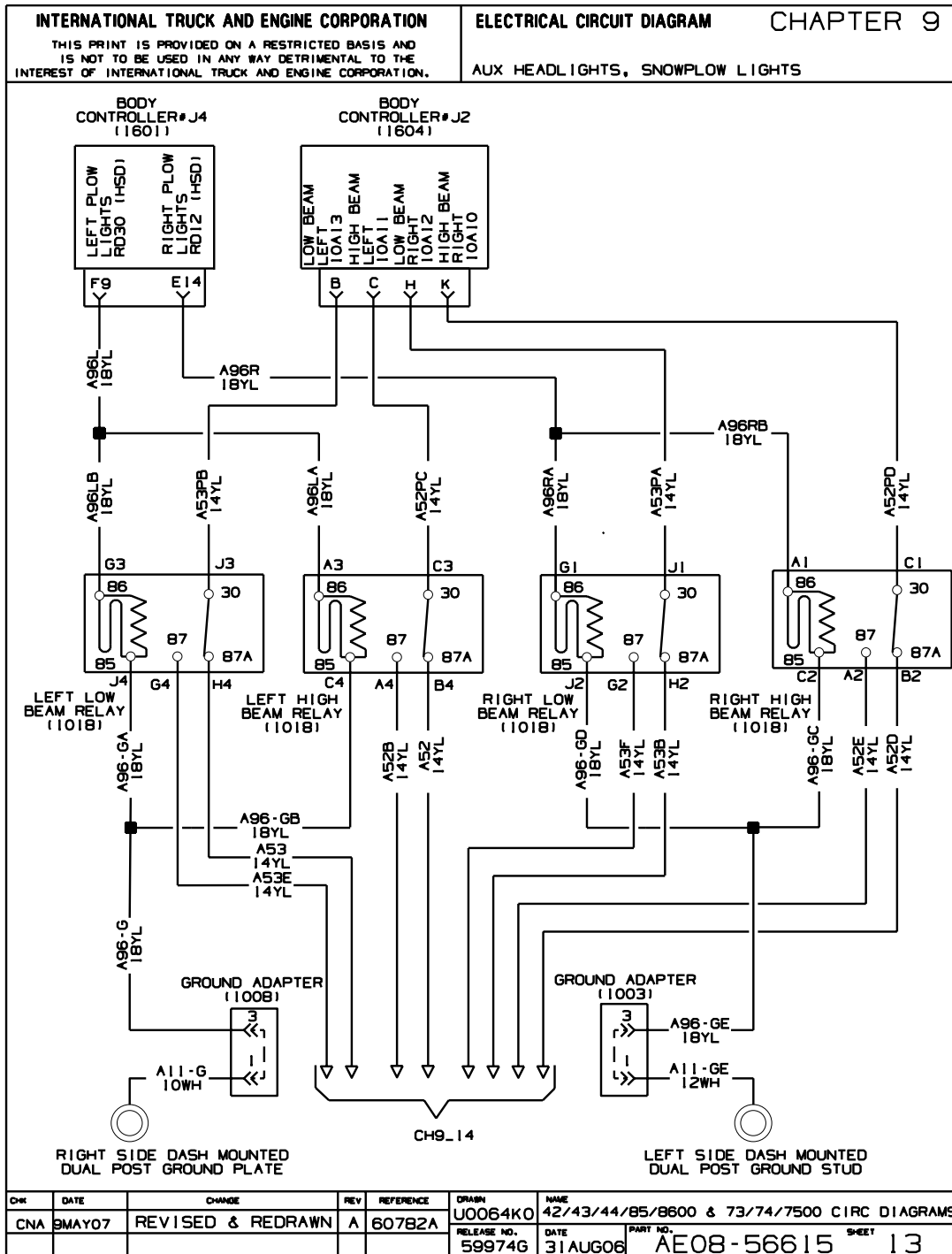


Figure 133 Aux. Headlights, Snow Plow Lights

9.14. AUX. HEADLIGHTS, SNOW PLOW LIGHTS (CONT), P. 14

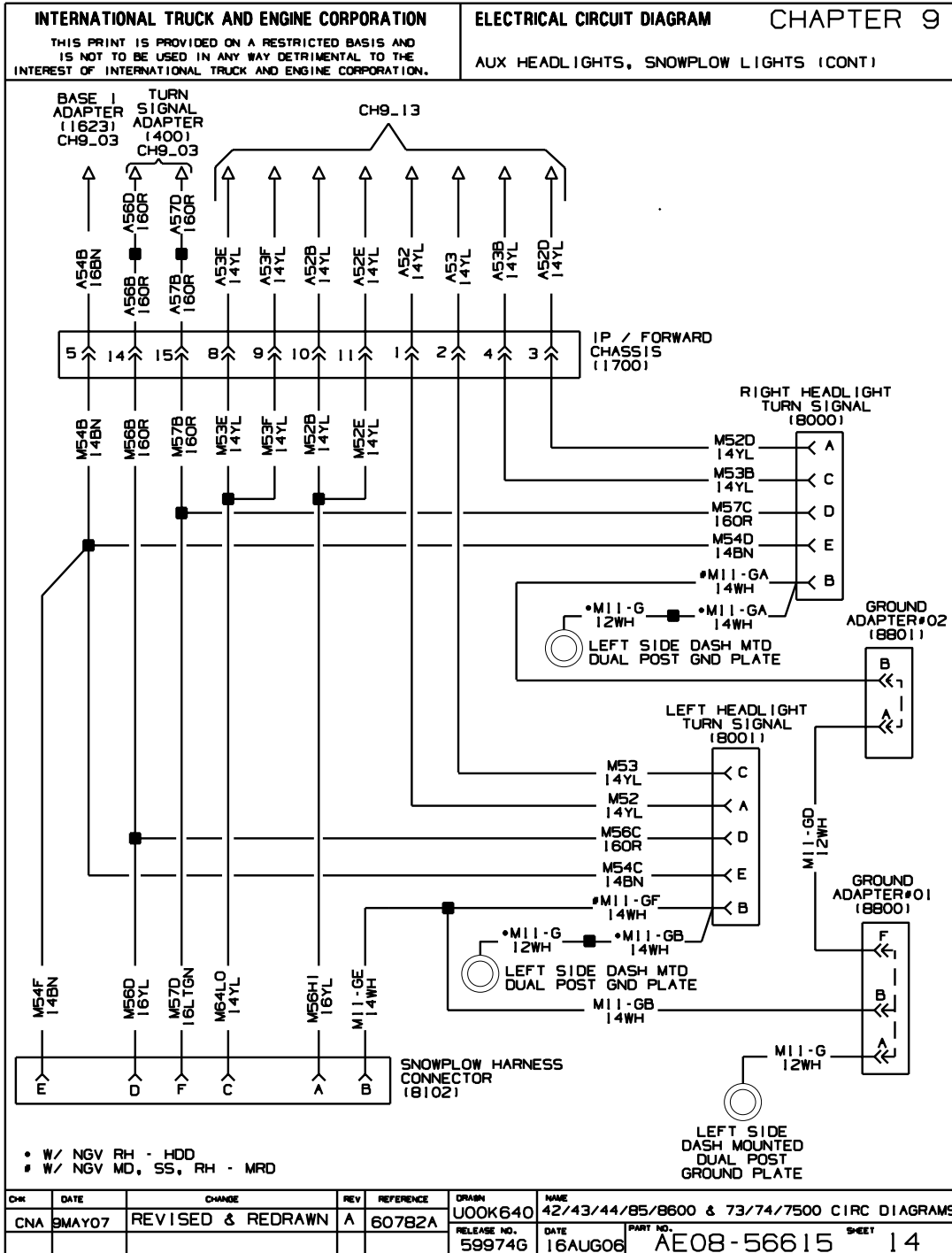


Figure 134 Aux. Headlights, Snow Plow Lights (Cont)

9.15. PANEL LIGHTS, P. 15

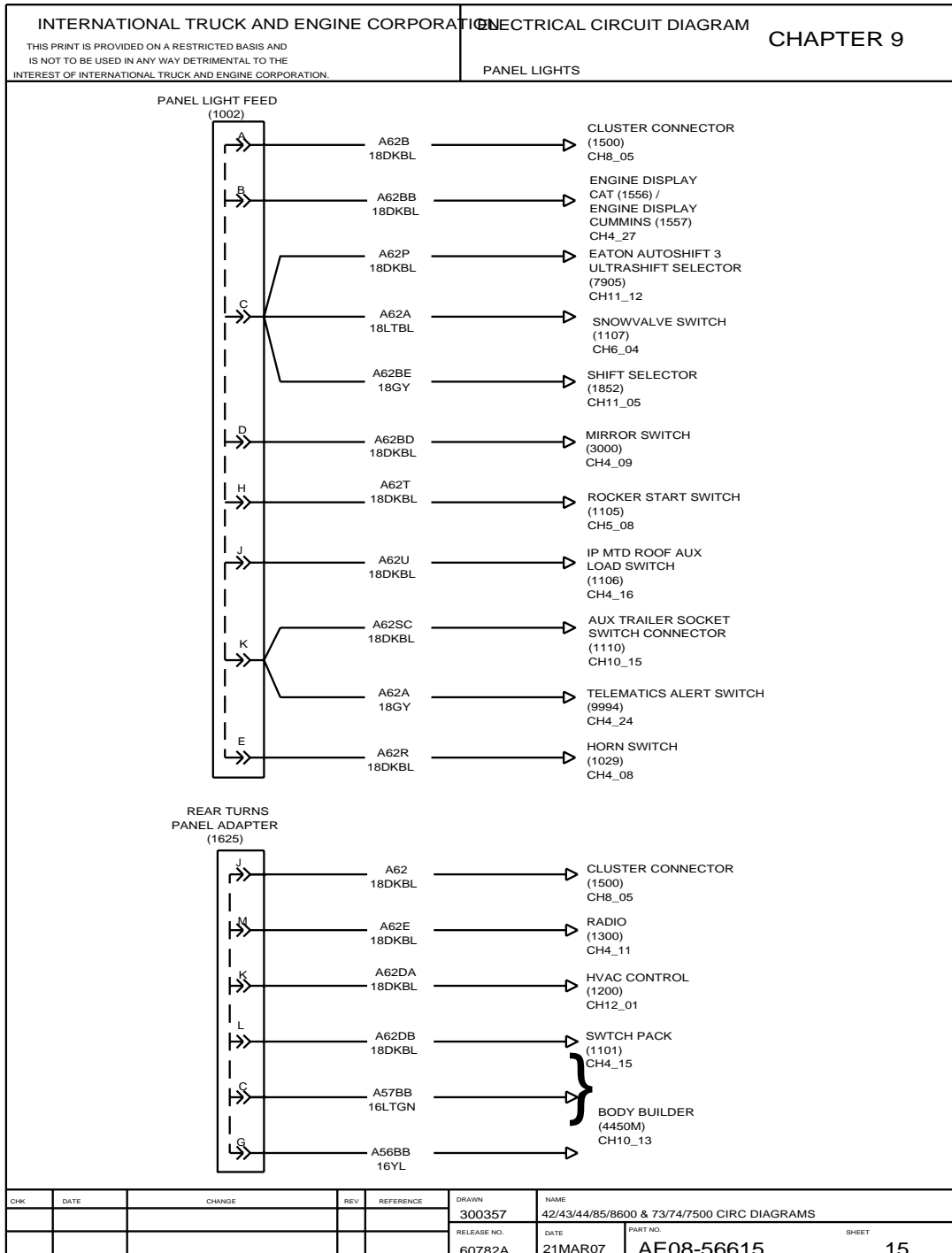


Figure 135 Panel Lights

10. CHASSIS ACCESSORIES (CHAPTER 10)

10.1. ABS — BENDIX AIR, P. 1

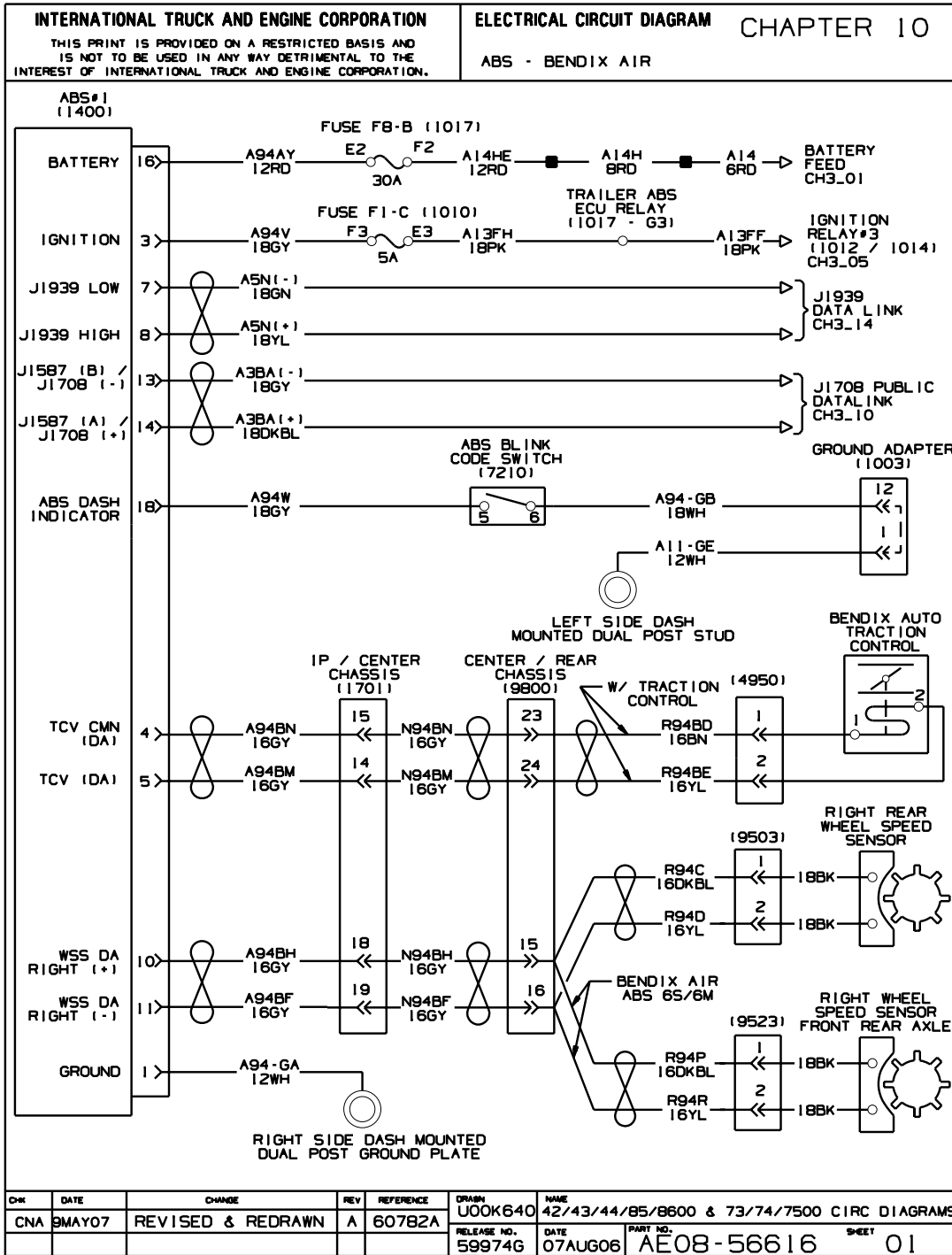


Figure 136 ABS — Bendix Air

10.2. ABS — BENDIX AIR, P. 2

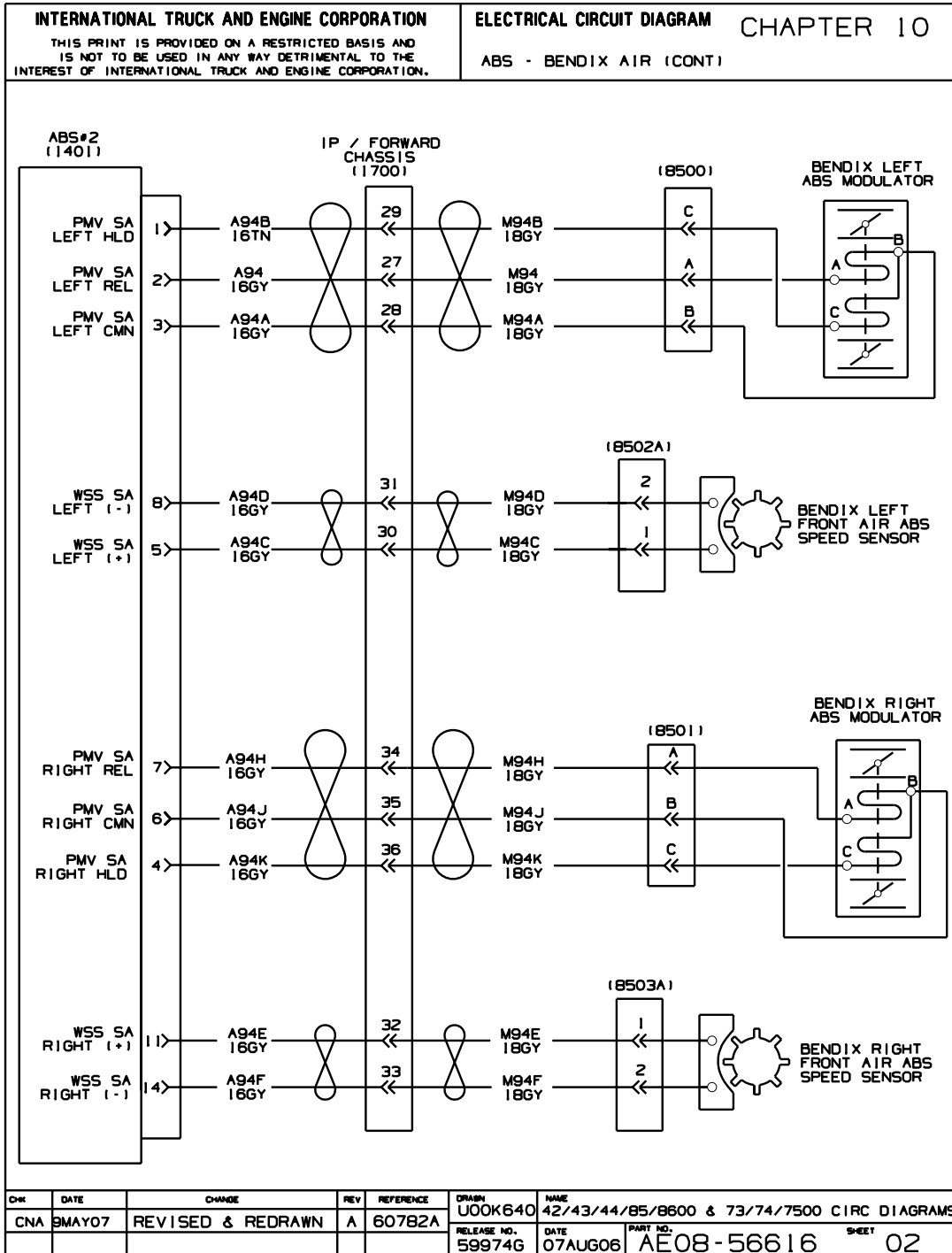


Figure 137 ABS — Bendix Air (Cont.)

10.3. ABS — BENDIX AIR, P. 3

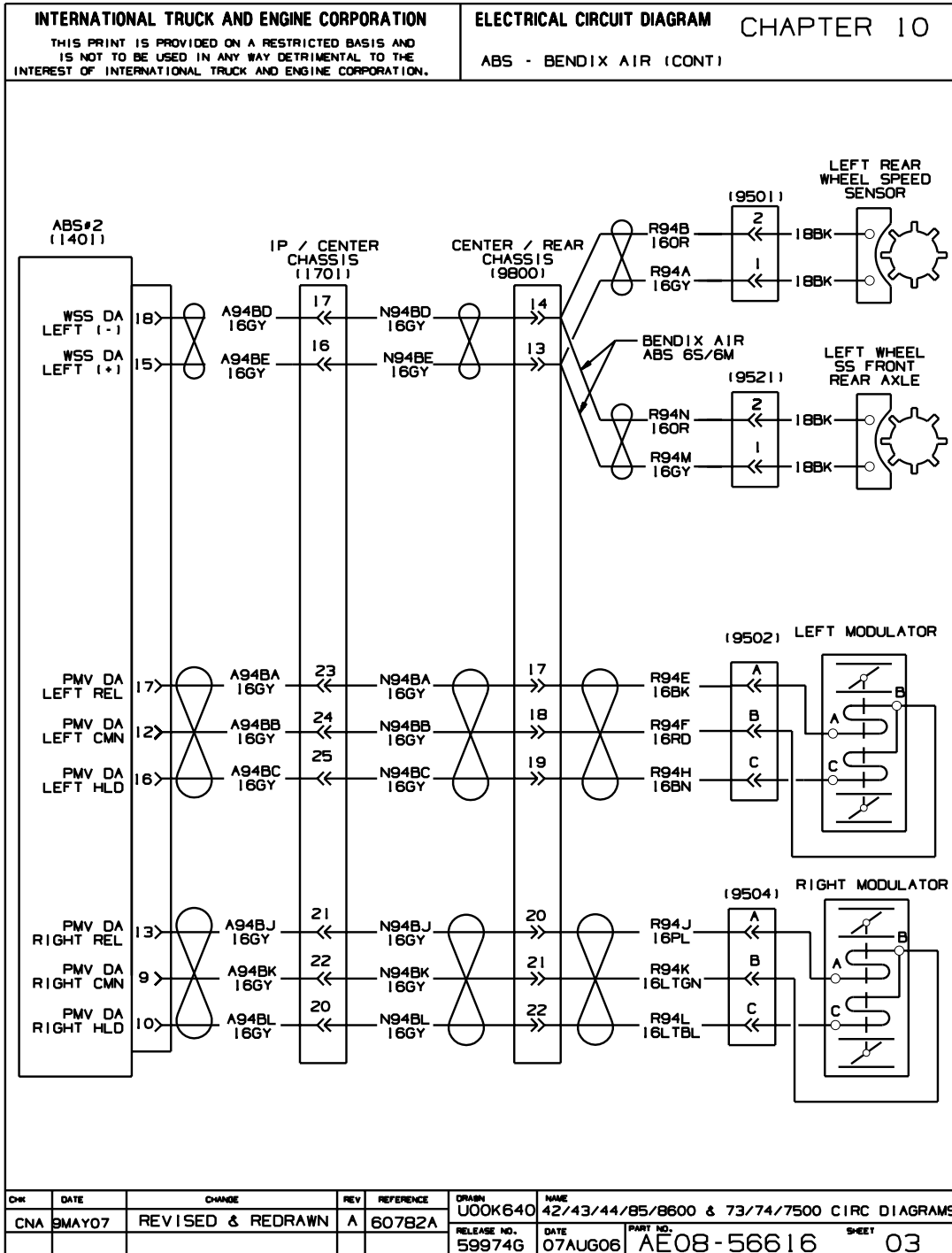


Figure 138 ABS — Bendix Air (Cont.)

10.4. ABS — WABCO AIR, P. 4

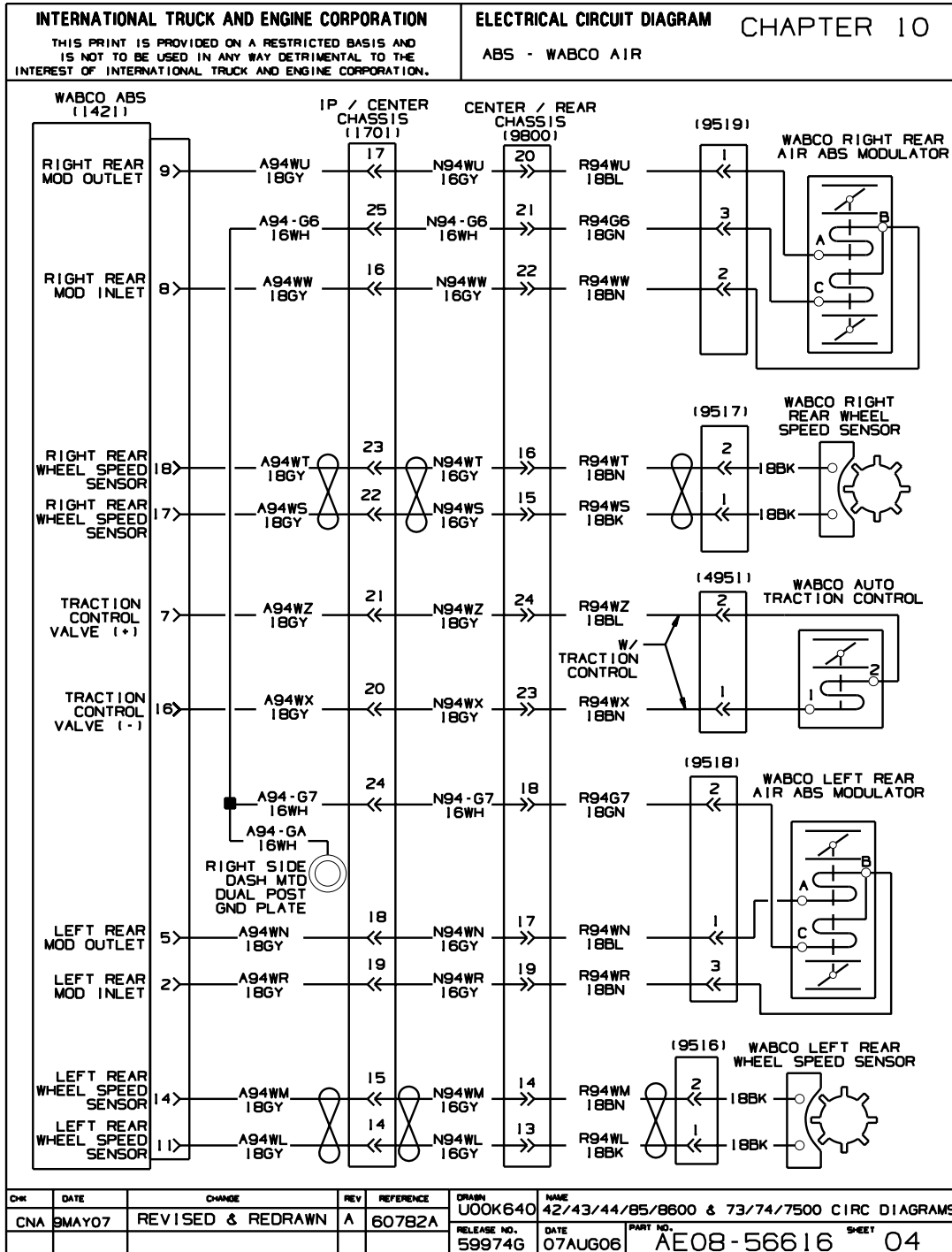


Figure 139 ABS — Wabco Air

10.5. ABS — WABCO AIR, P. 5

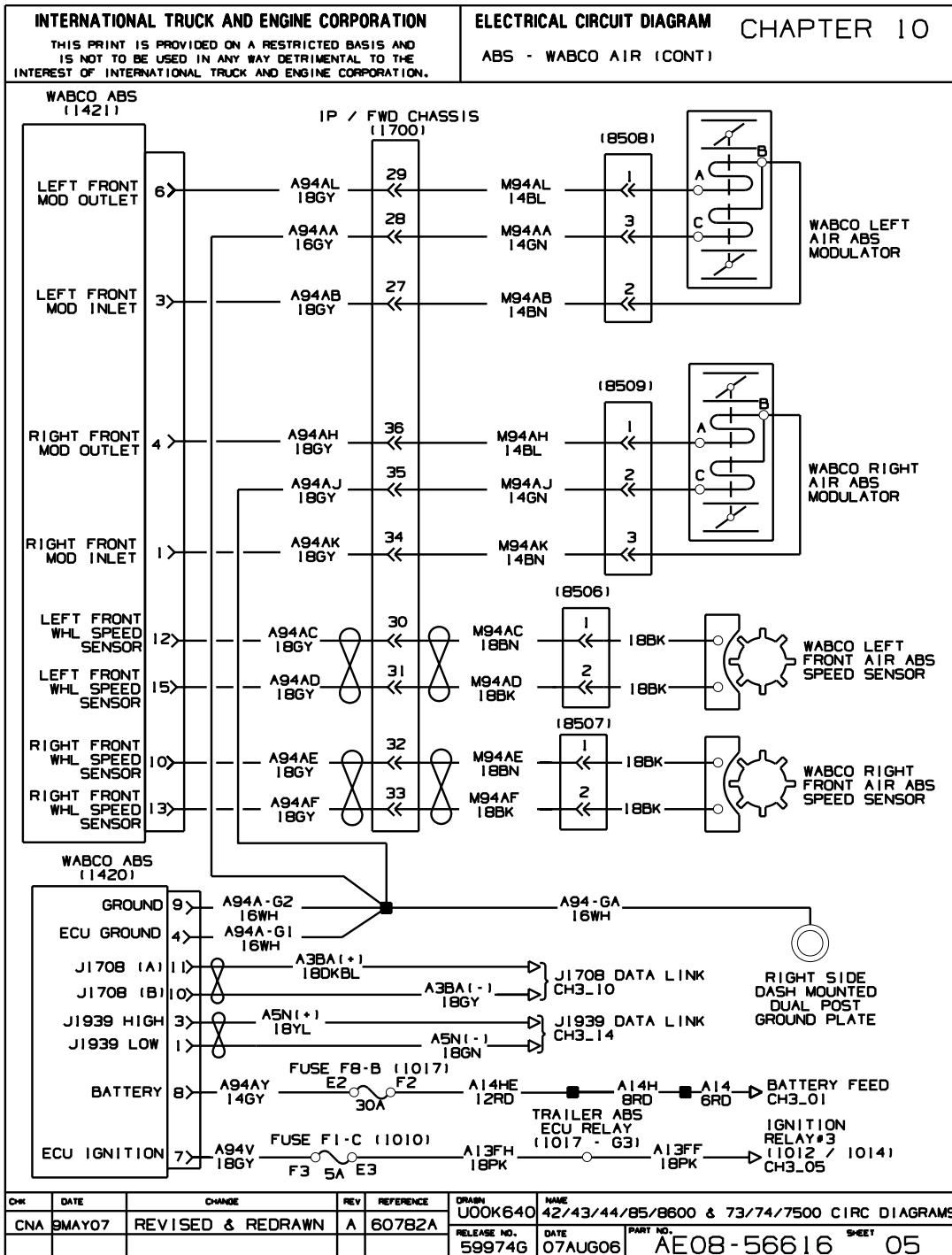


Figure 140 ABS — Wabco Air (Cont.)

10.6. WABCO FULL POWER BRAKES, P. 6

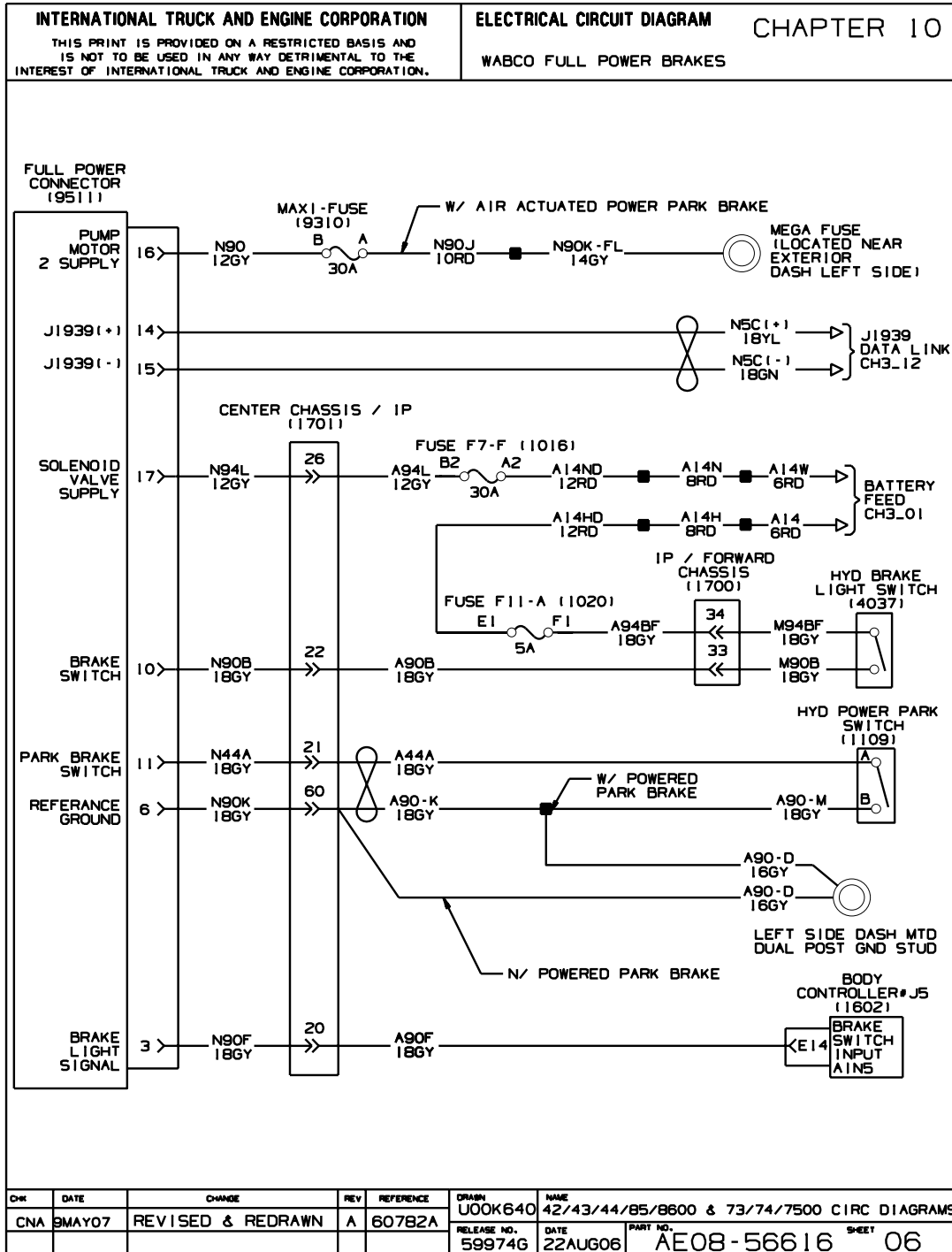


Figure 141 Wabco Full Power Brakes

10.7. WABCO FULL POWER BRAKES, P. 7

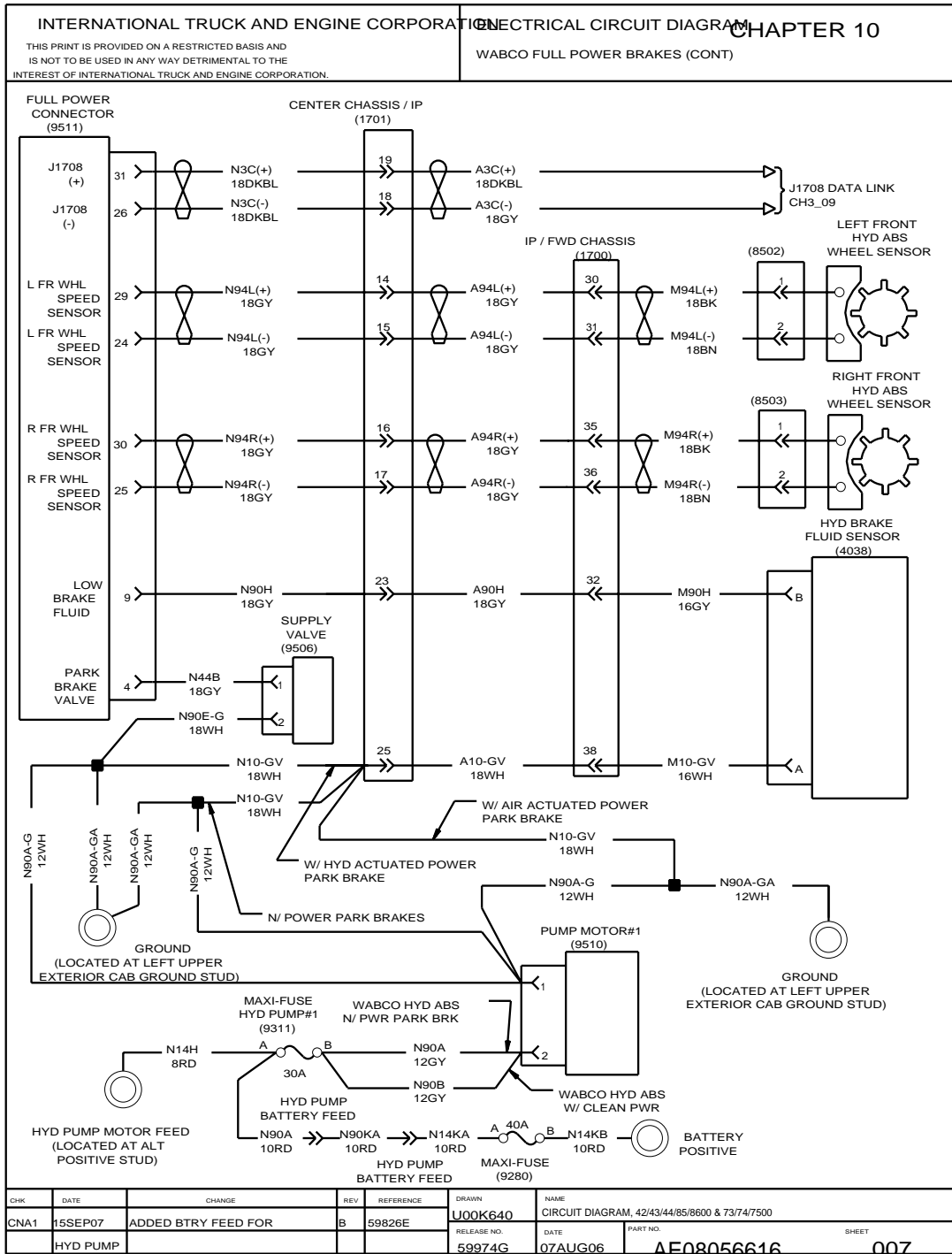


Figure 142 Wabco Full Power Brakes

10.8. WABCO FULL POWER BRAKES, P. 8

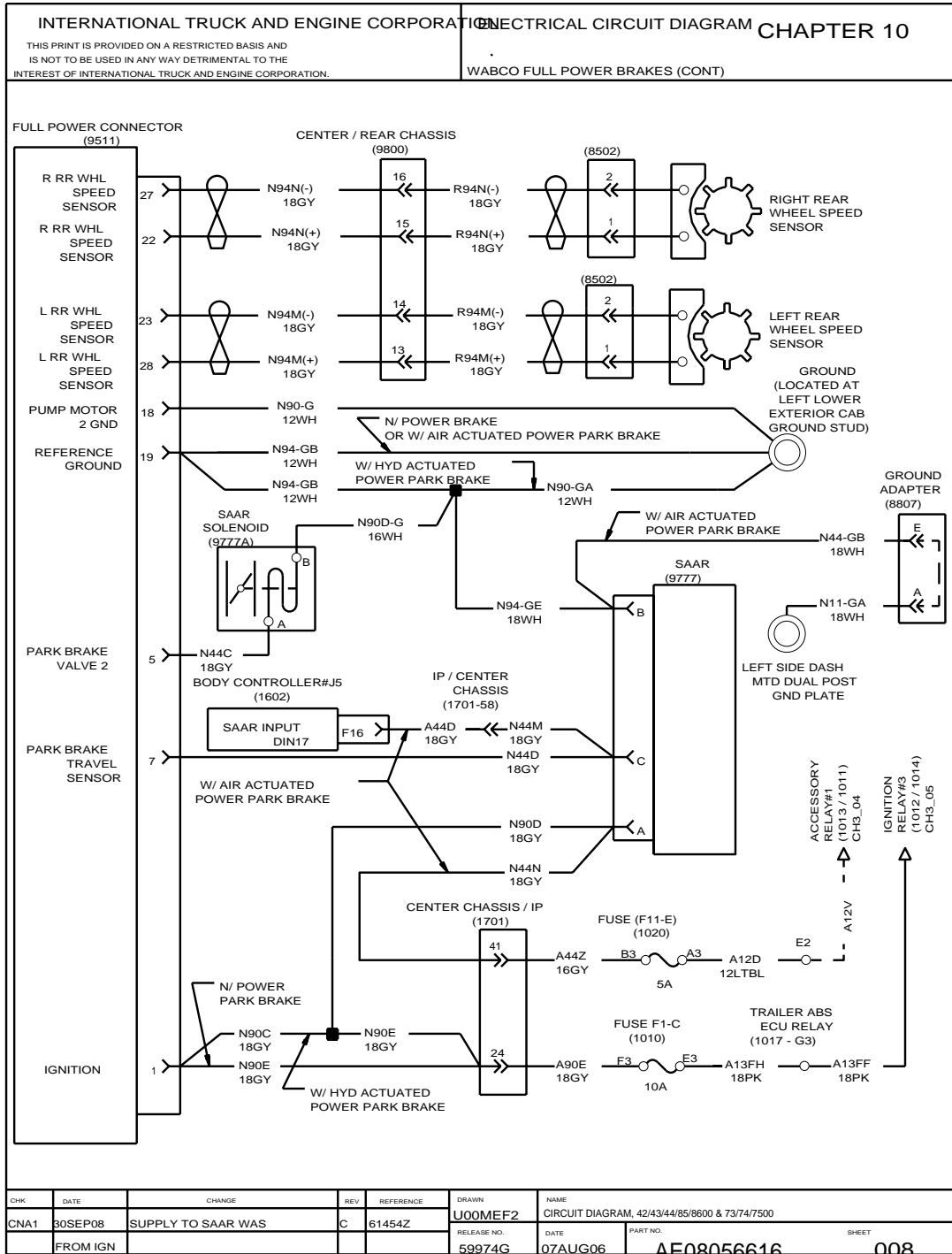


Figure 143 Wabco Full Power Brakes (Cont.)

10.9. BODY BUILDER AND TRAILER — TURN, MARKERS AND STOP, P. 9

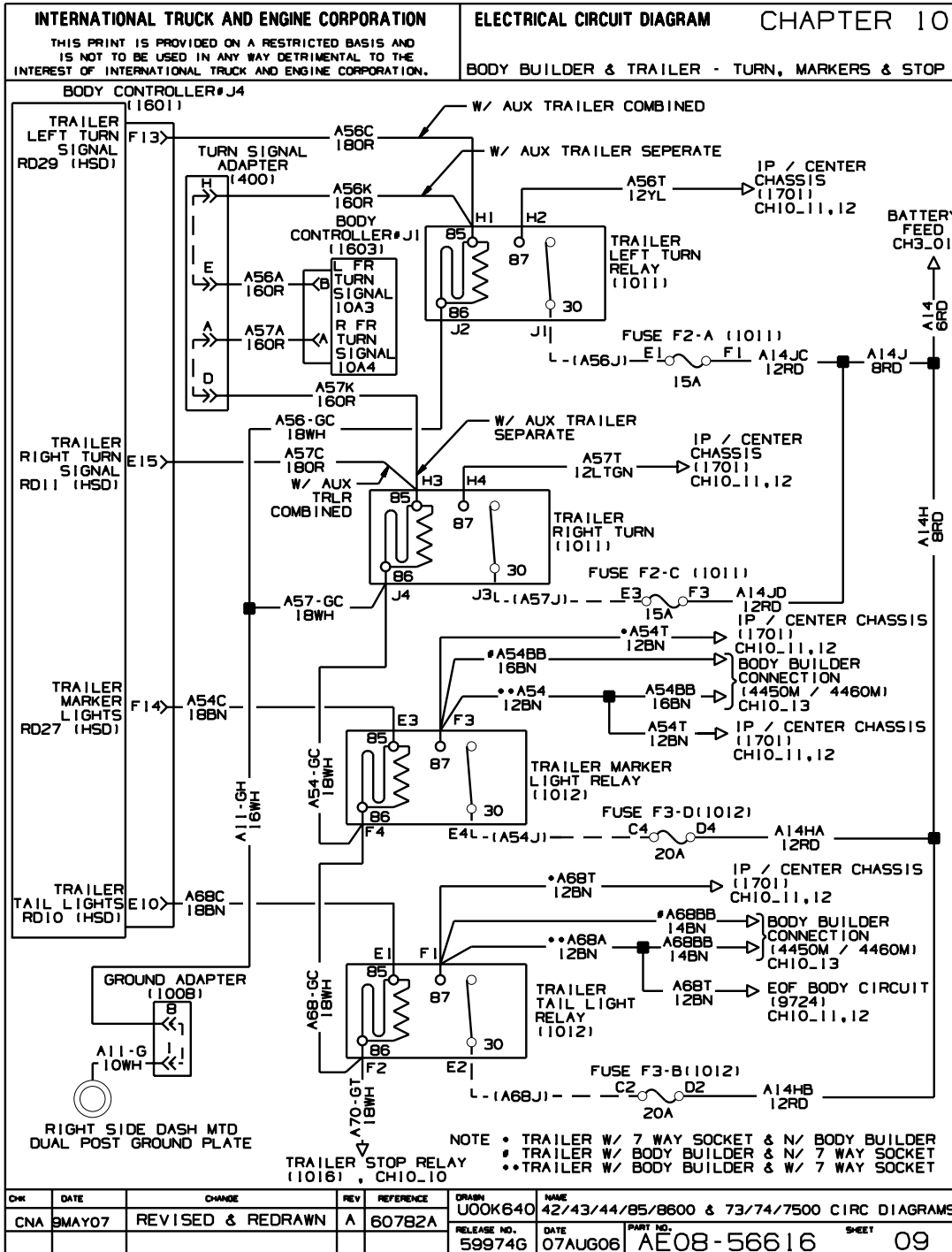


Figure 144 Body Builder and Trailer — Turn, Markers and Stop

10.10. BODY BUILDER AND TRAILER — TURN, MARKERS AND STOP, P. 10

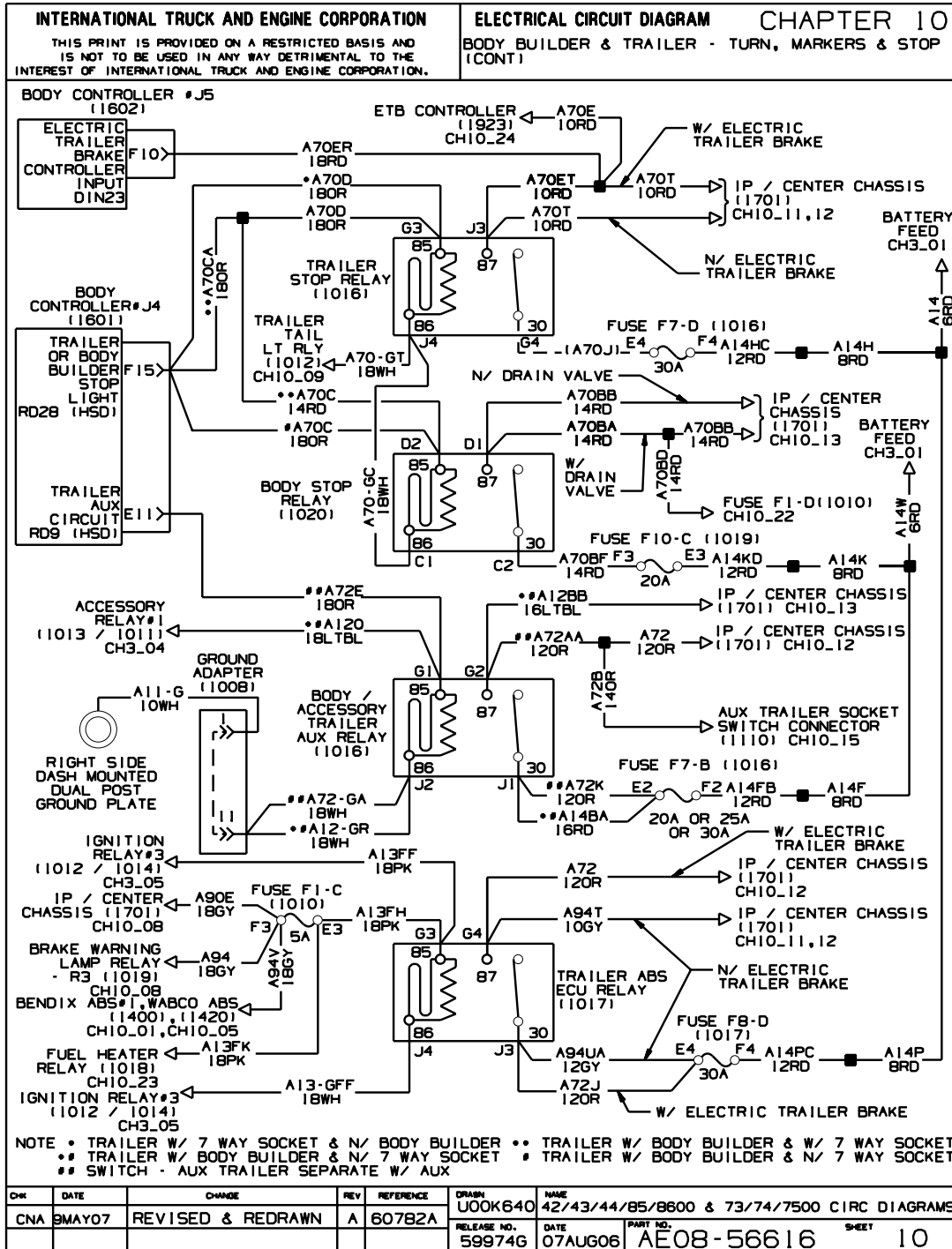


Figure 145 Body Builder and Trailer — Turn, Markers and Stop (Cont.)

10.11. TRAILER SOCKET — SOC AND EOF, P. 11

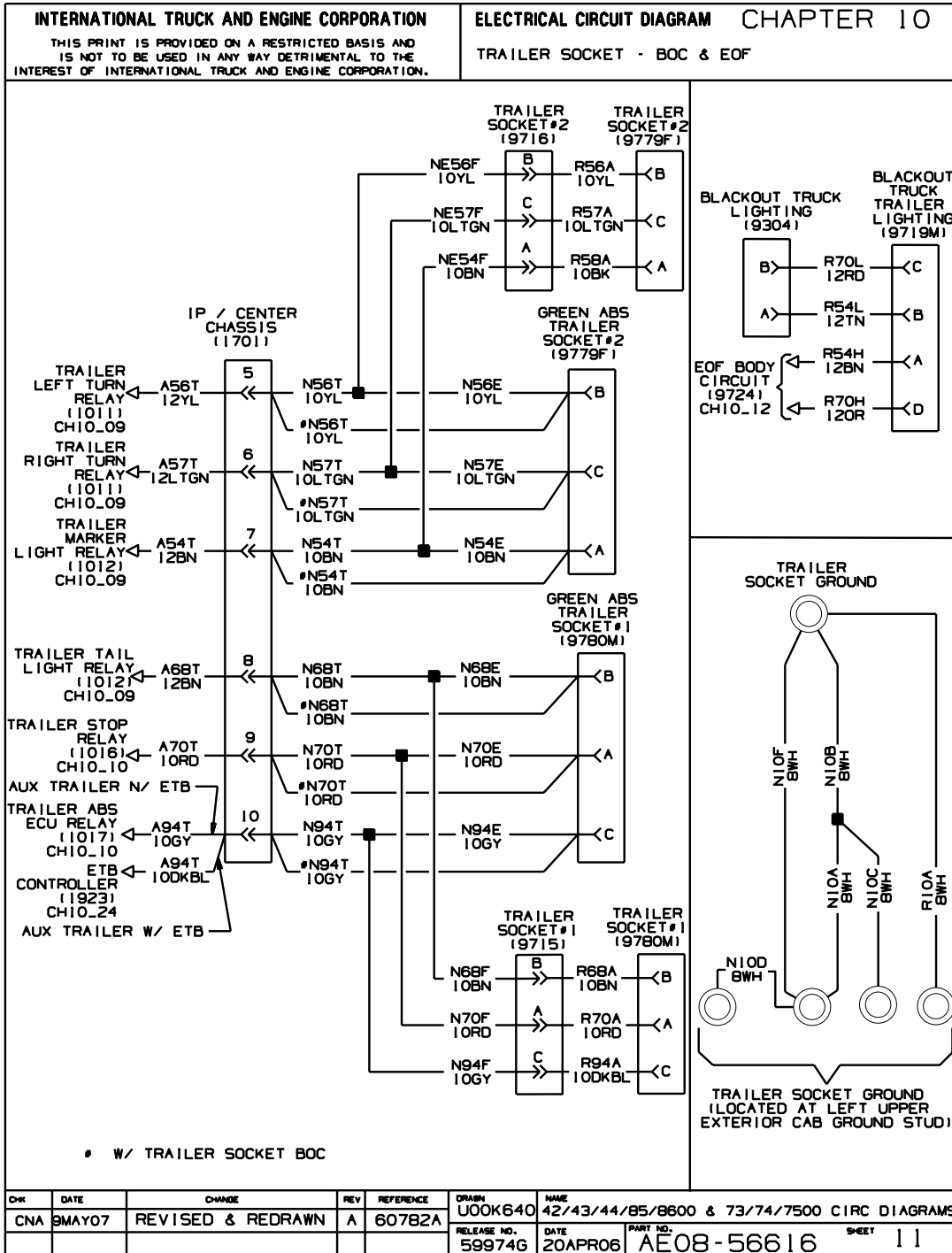


Figure 146 Trailer Socket — SOC and EOF

10.12. BODY BUILDER AND TRAILER SOCKET — SOC AND EOF, P. 12

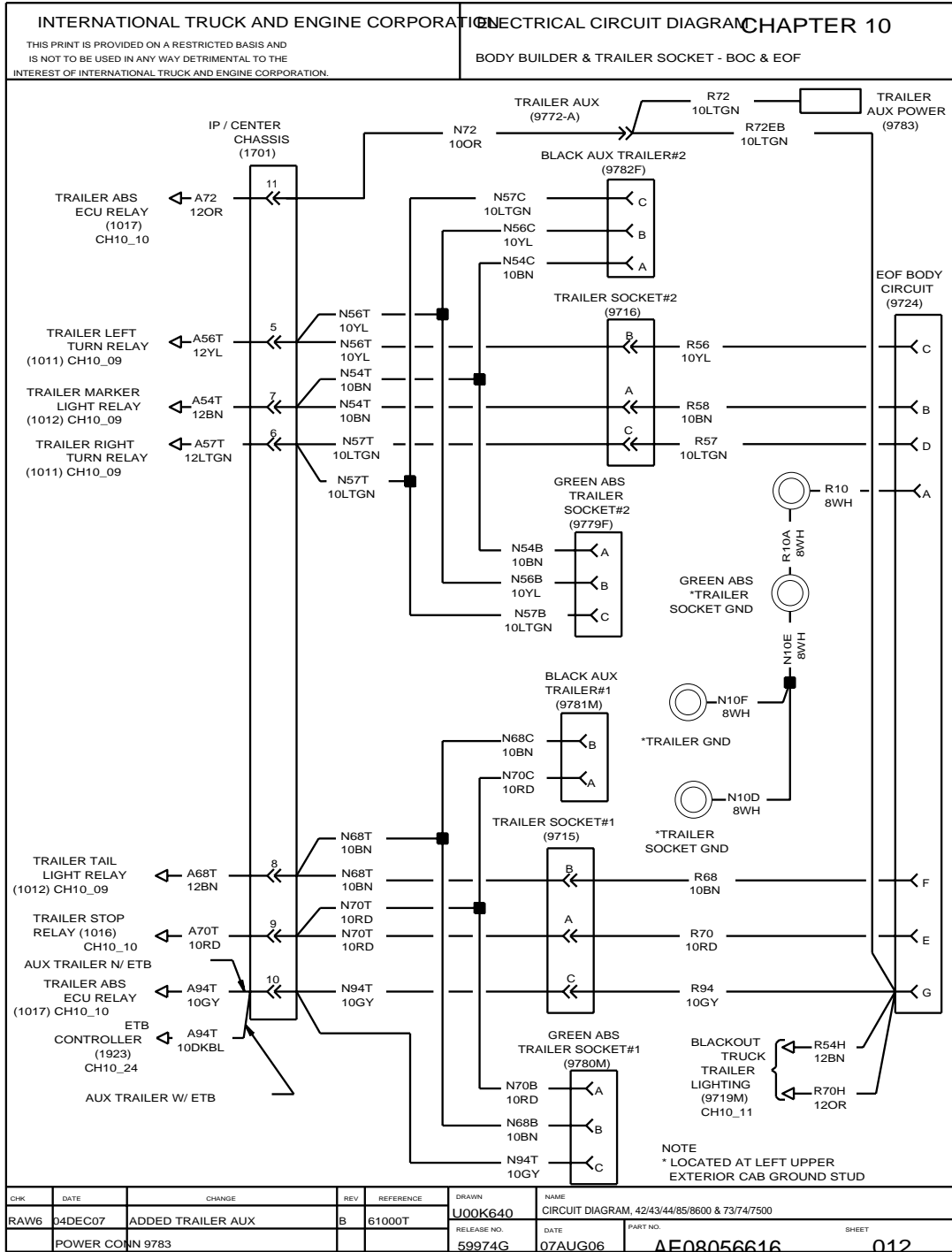


Figure 147 Body Builder and Trailer Socket — SOC and EOF

10.13. BODY BUILDER CONNECTIONS, P. 13

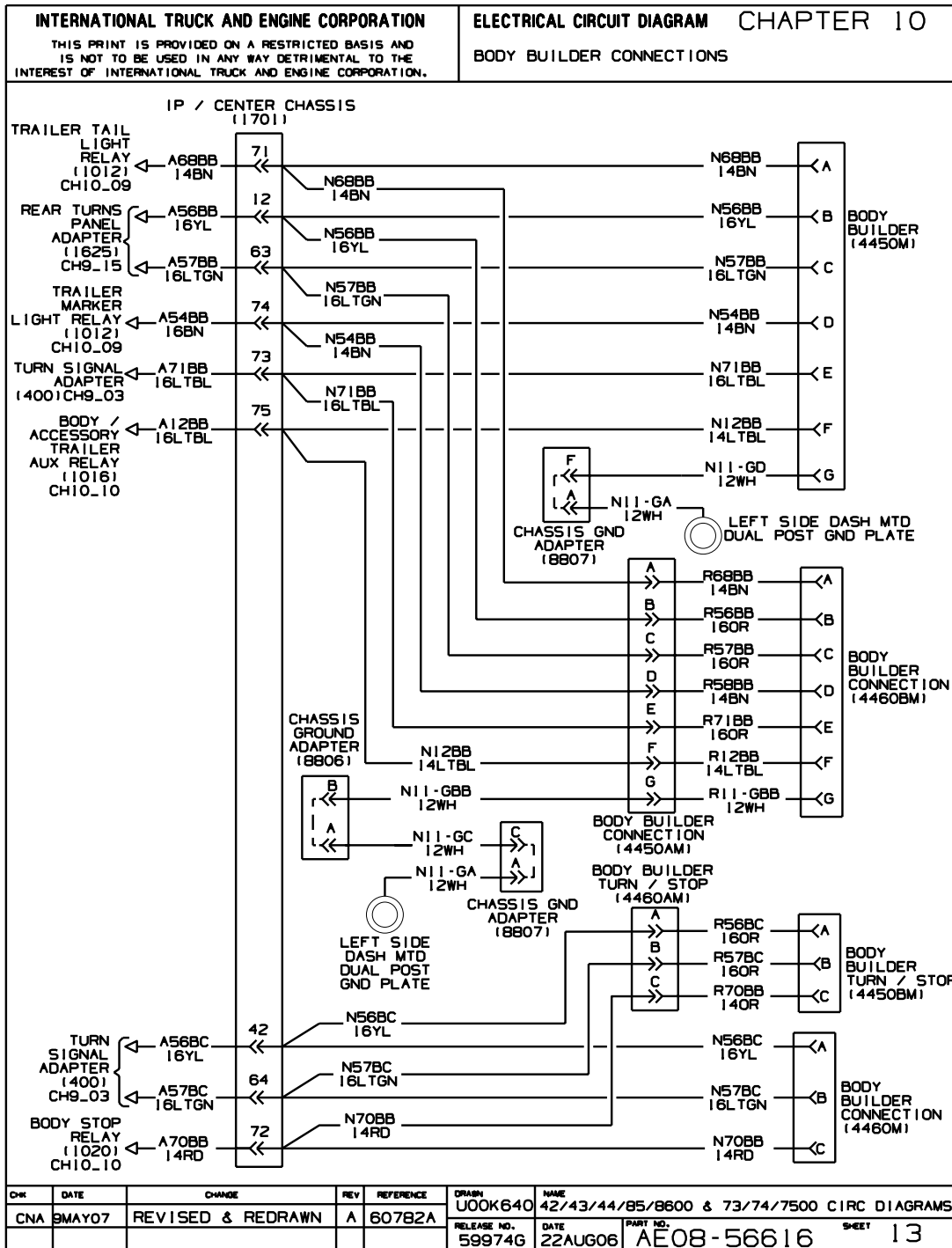


Figure 148 Body Builder Connections

10.14. REMOTE START / STOP, P. 14

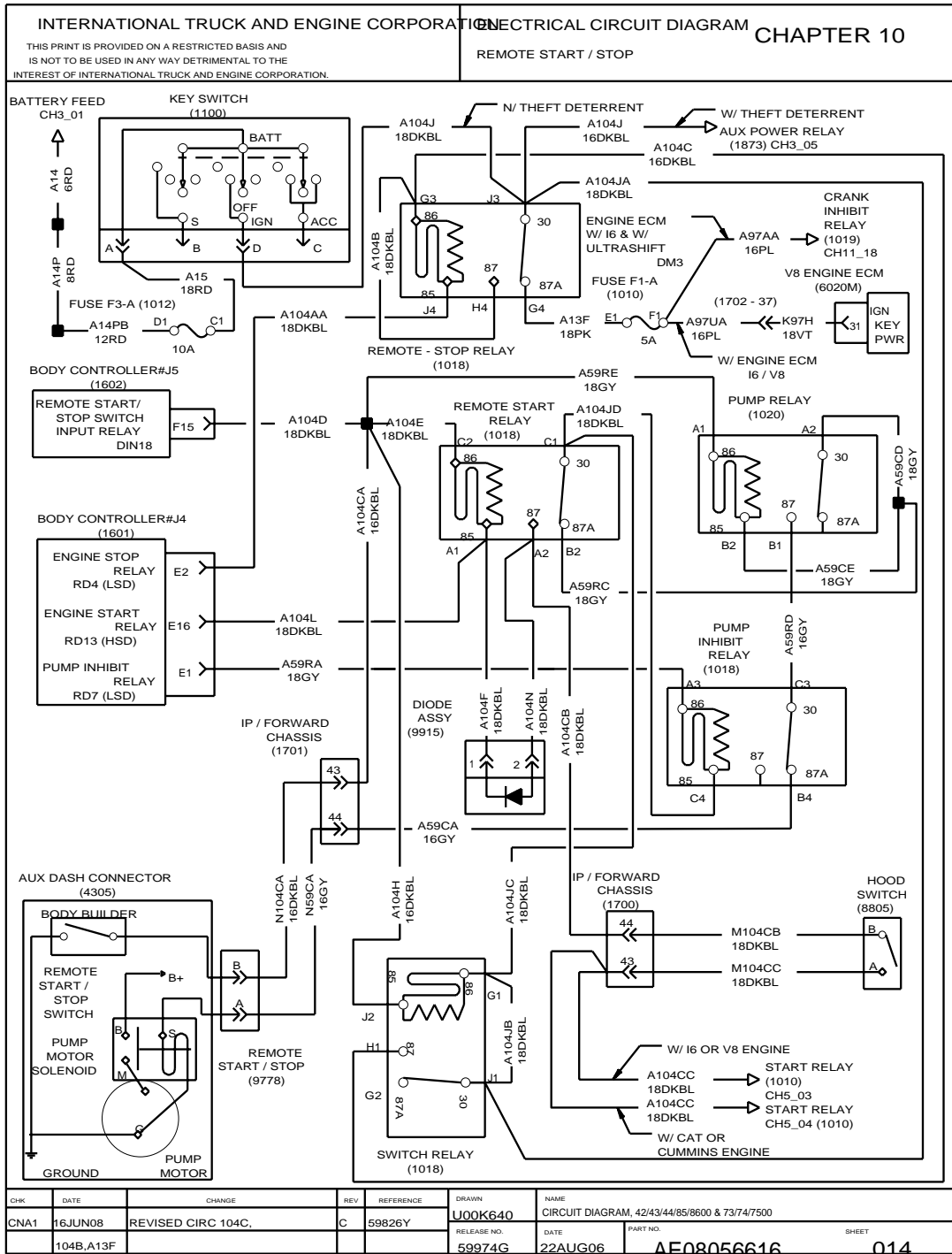


Figure 149 Remote Start / Stop

10.15. AUX TRAILER CIRCUIT, P. 15

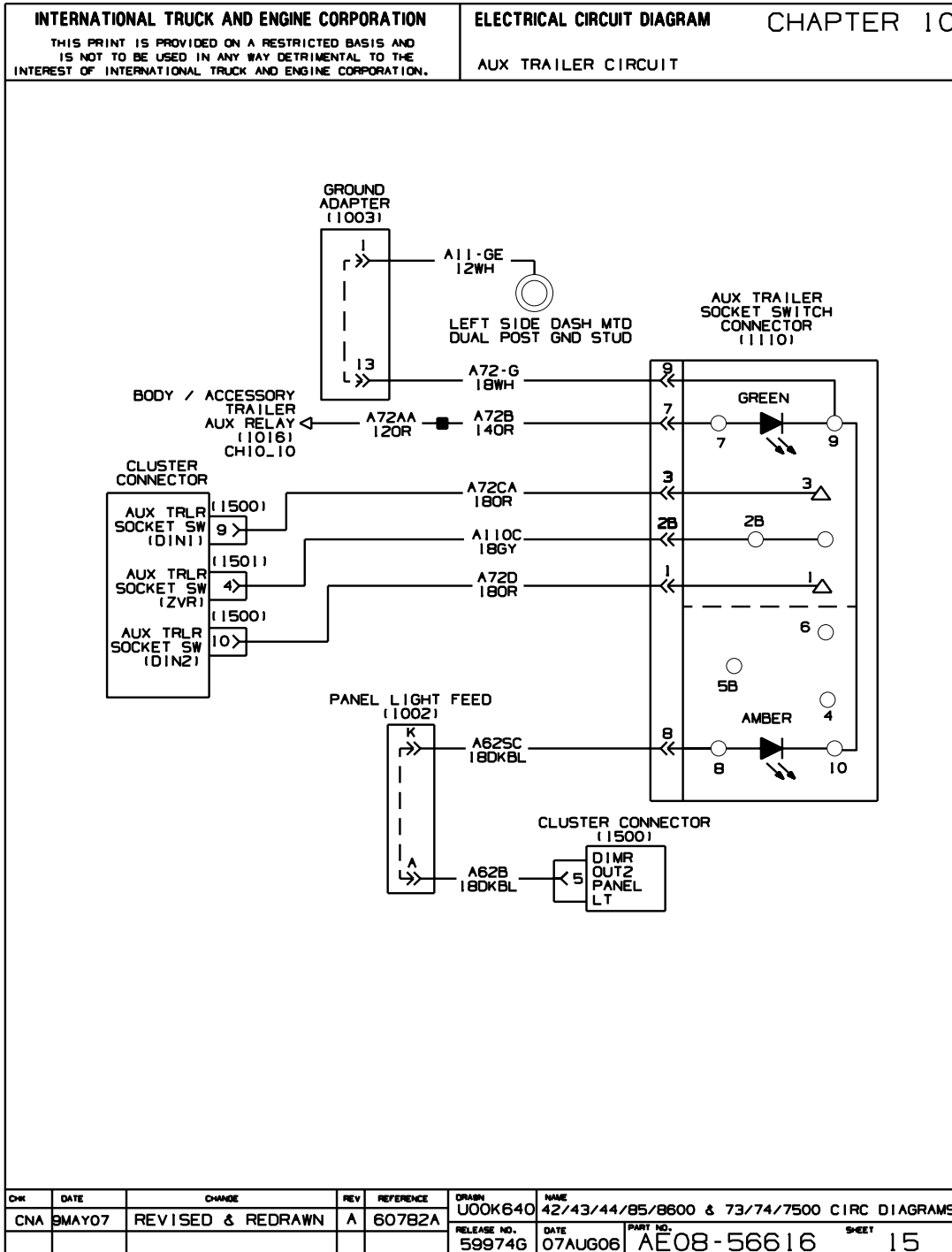


Figure 150 Aux Trailer Circuit

10.16. TWO SPEED AXLE SWITCH, P. 16

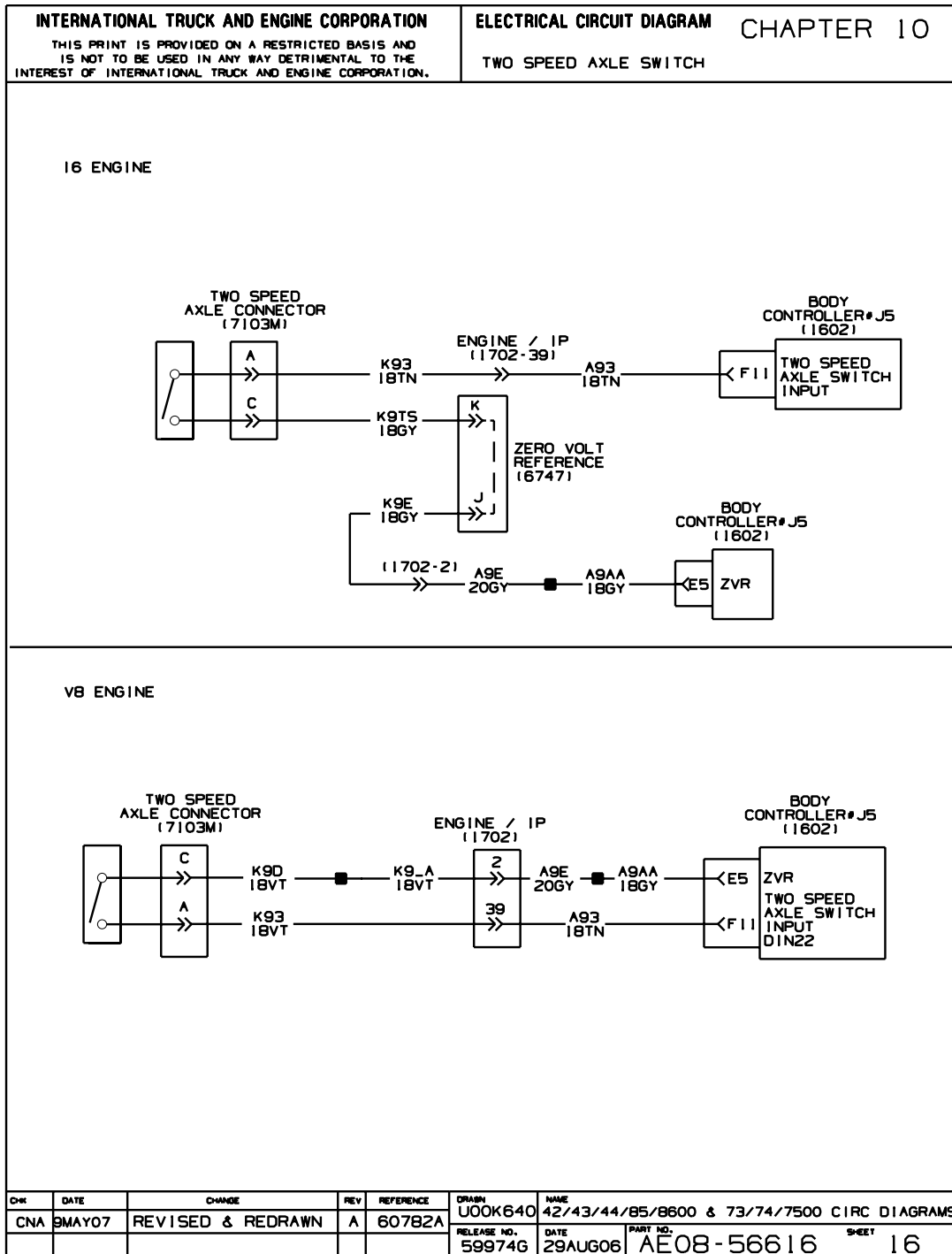


Figure 151 Two Speed Axle Switch

10.17. AIR SOLENOID, P. 17

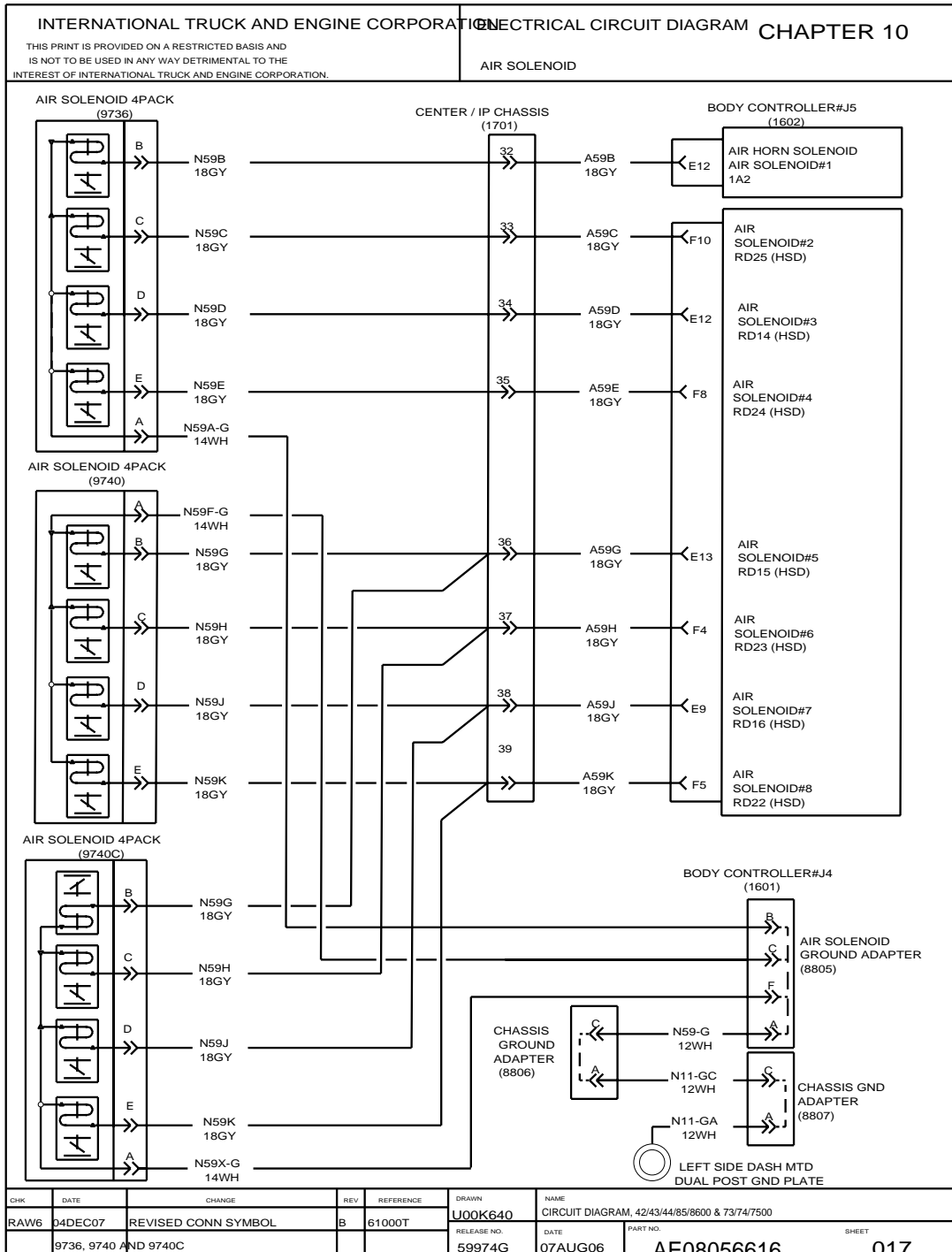


Figure 152 Air Solenoid

10.18. AIR SOLENOID, P. 18

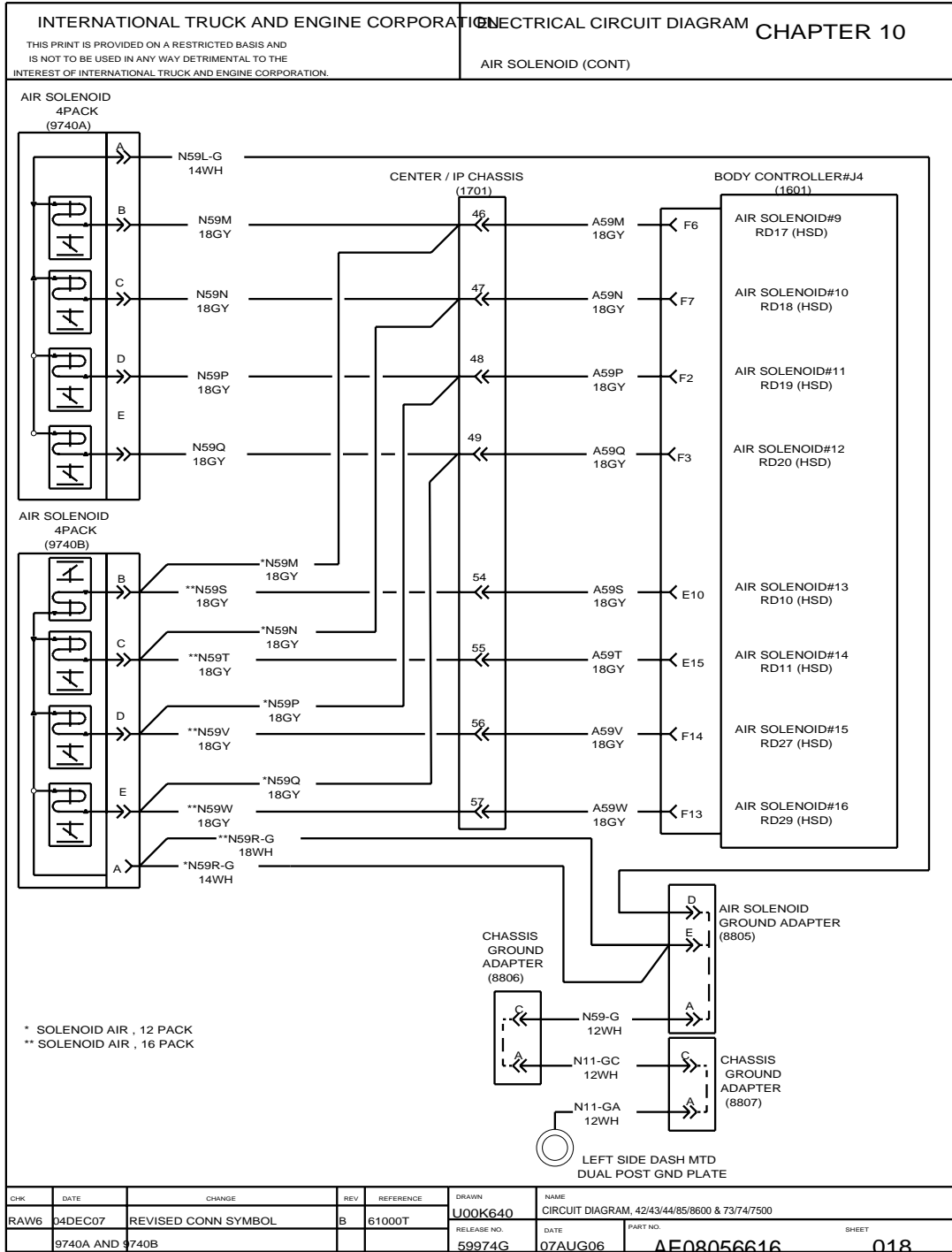


Figure 153 Air Solenoid (Cont.)

10.19. REMOTE POWER UNITS, SOLENOID PACKS, REMOTE ENGINE SPEED CONTROLLER, P. 19

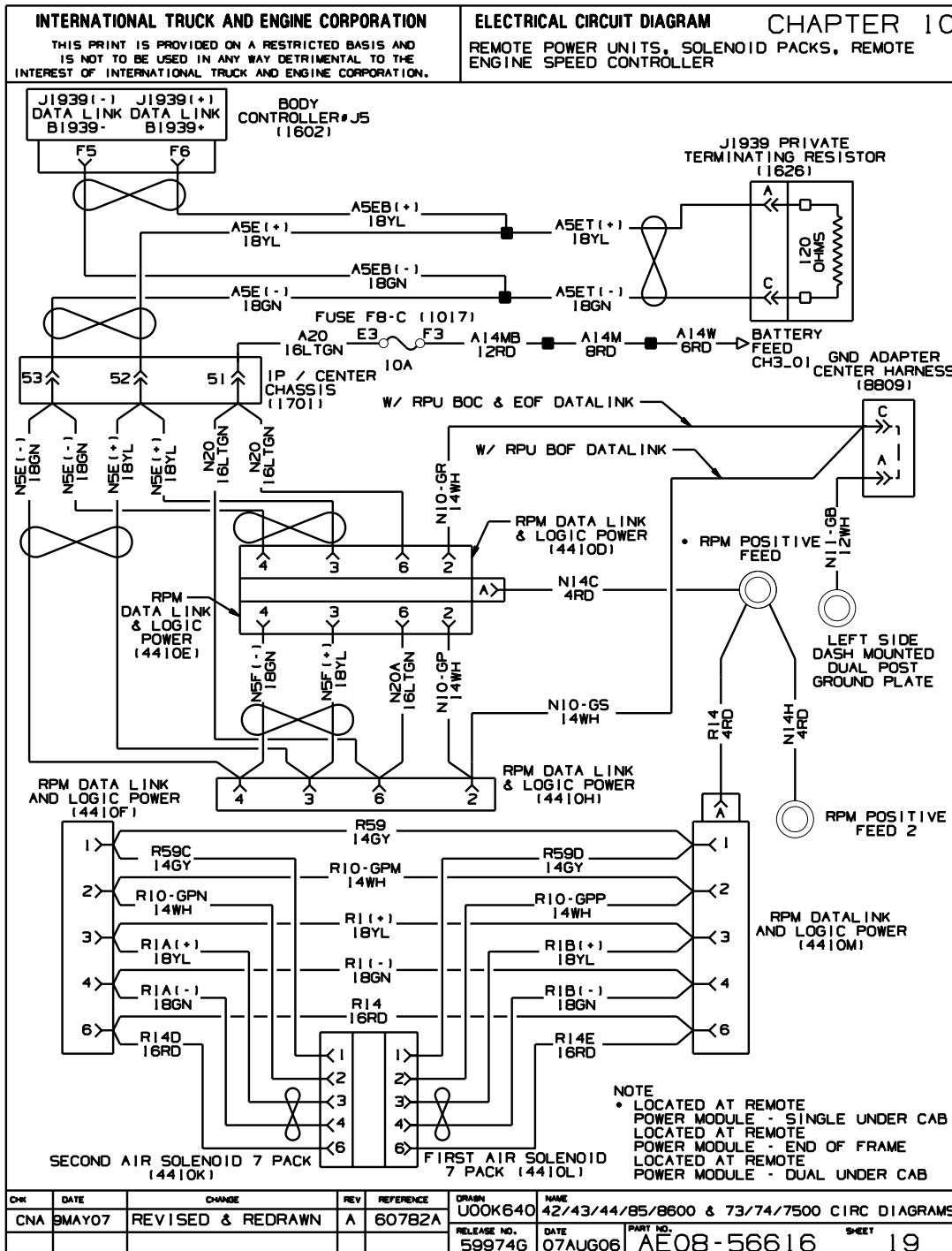


Figure 154 Remote Power Units, Solenoid Packs, Remote Engine Speed Controller

10.20. BLANK PAGE, P. 20

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					RELEASE NO.	DATE	PART NO.	SHEET	
					59974G	20APR06	AF08-56616	20	

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10.21. AUX AND POWER SOURCE, P. 21

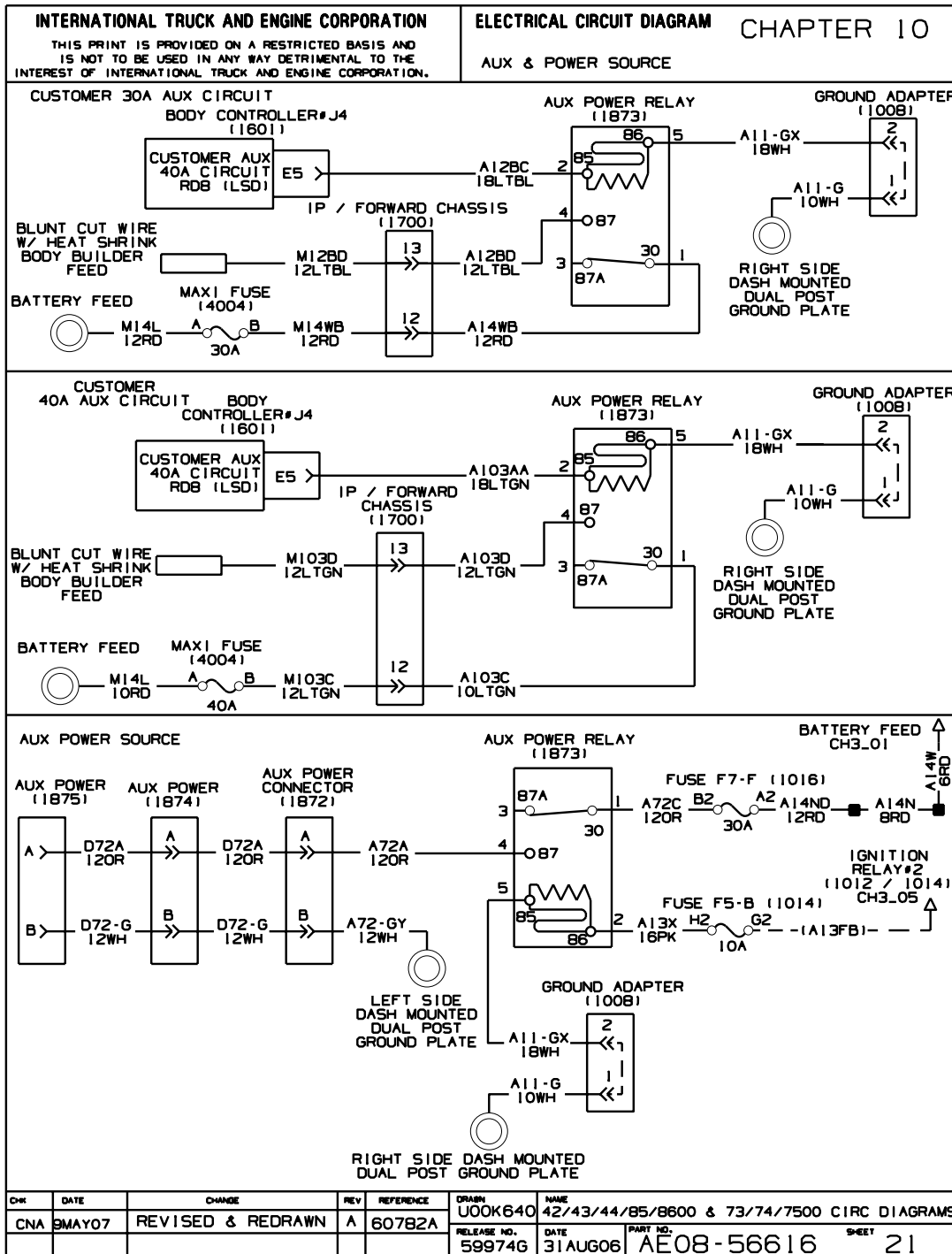


Figure 156 Aux and Power Source

10.22. AIR DRYER AND HEATED DRAIN VALVE, P. 22

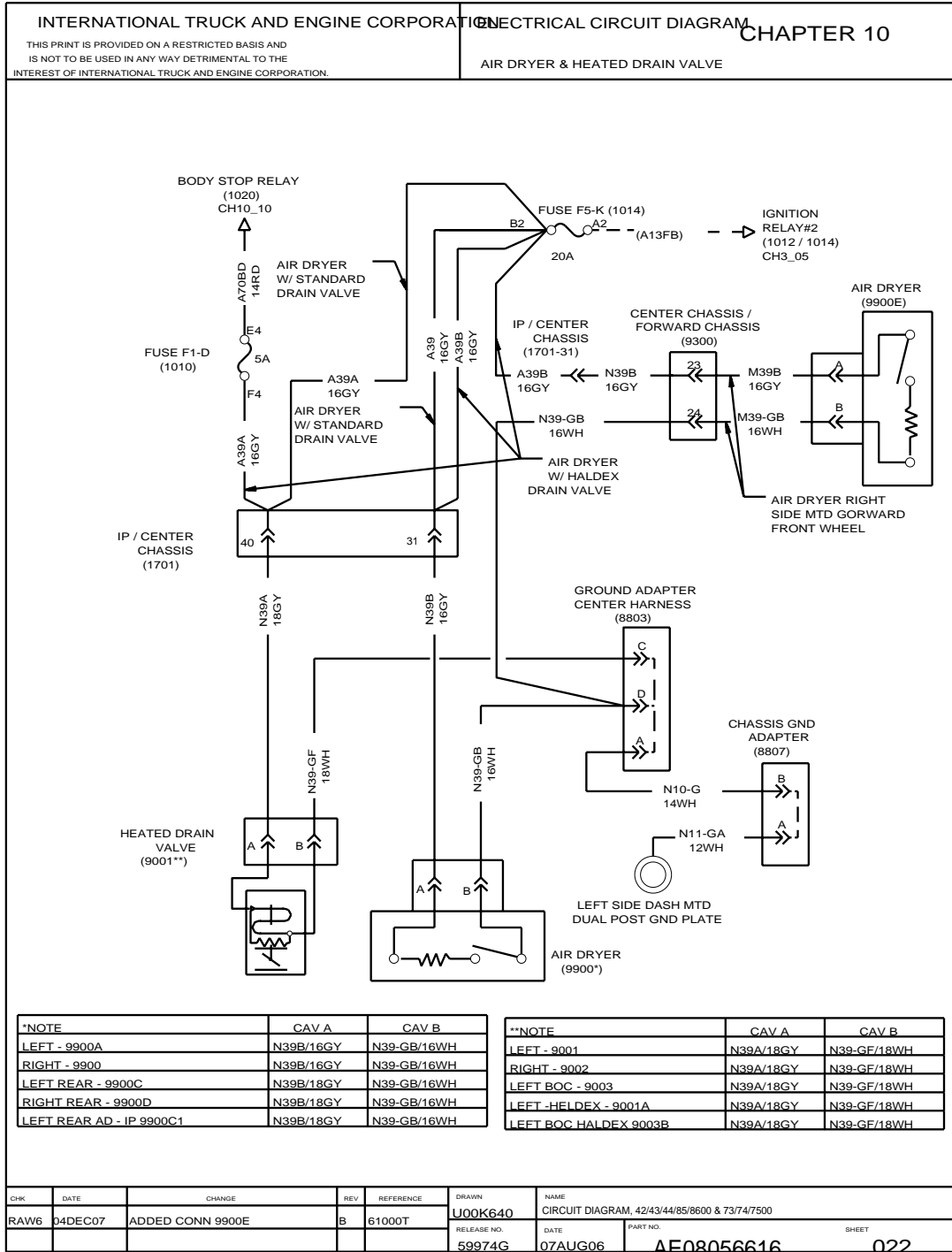


Figure 157 Air Dryer and Heated Drain Valve

10.23. FUEL / WATER SEPARATOR, P. 23

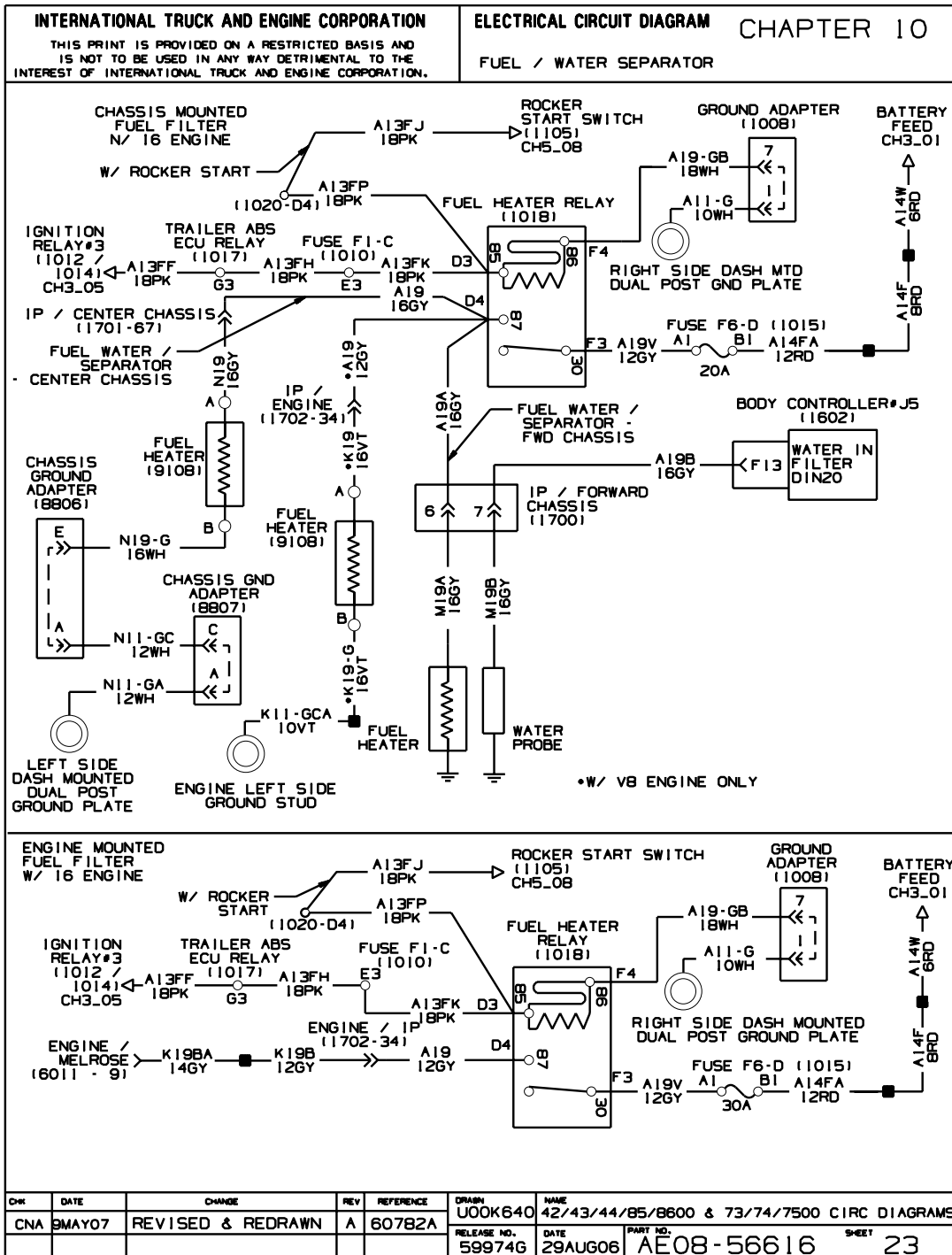


Figure 158 Fuel / Water Separator

10.24. ELECTRIC TRAILER BRAKE, P. 24

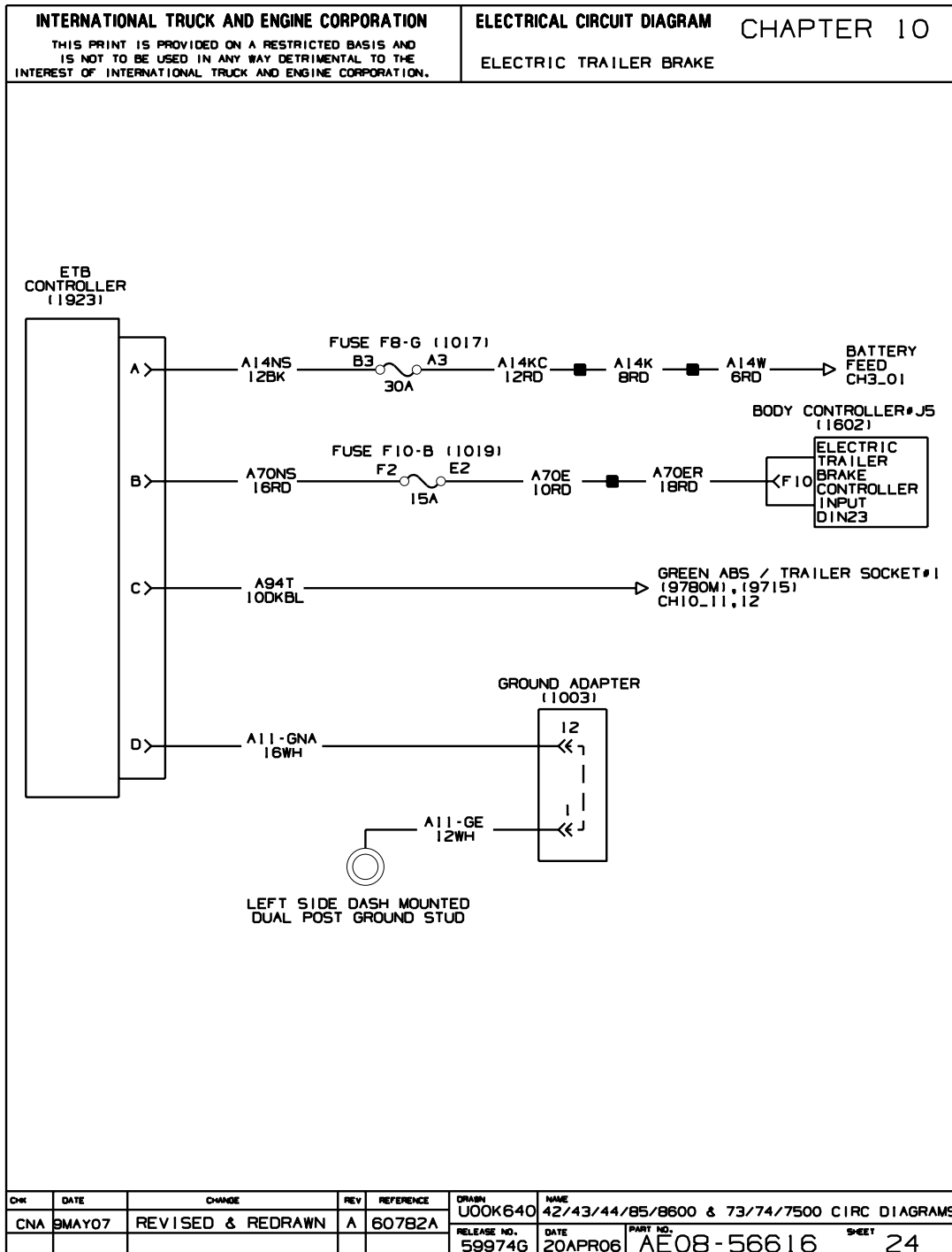


Figure 159 Electric Trailer Brake

10.25. LECTRASHIFT ACCOMMODATION, P. 25

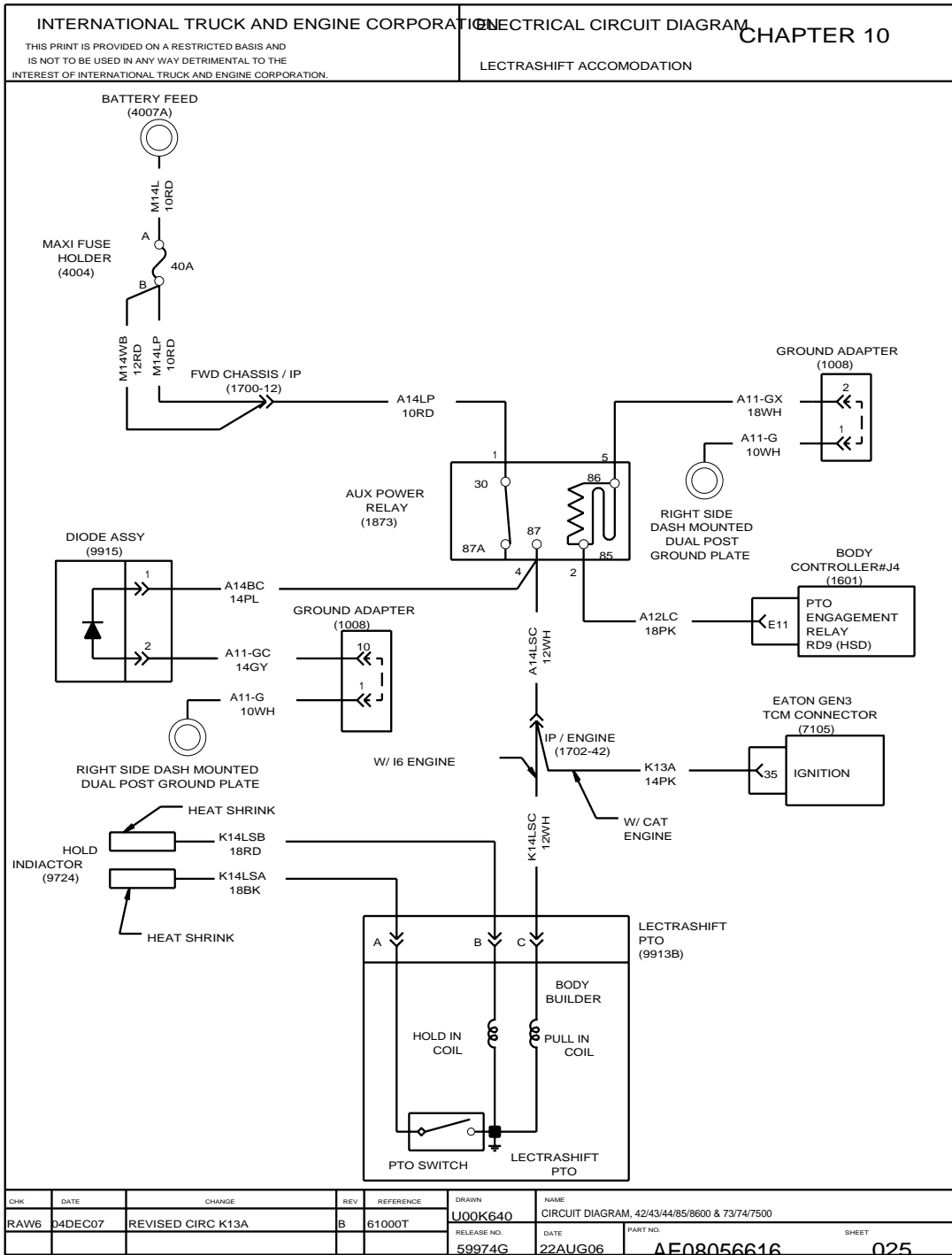


Figure 160 Lectrashift Accommodation

10.26. HOUR METER — PTO, P. 26

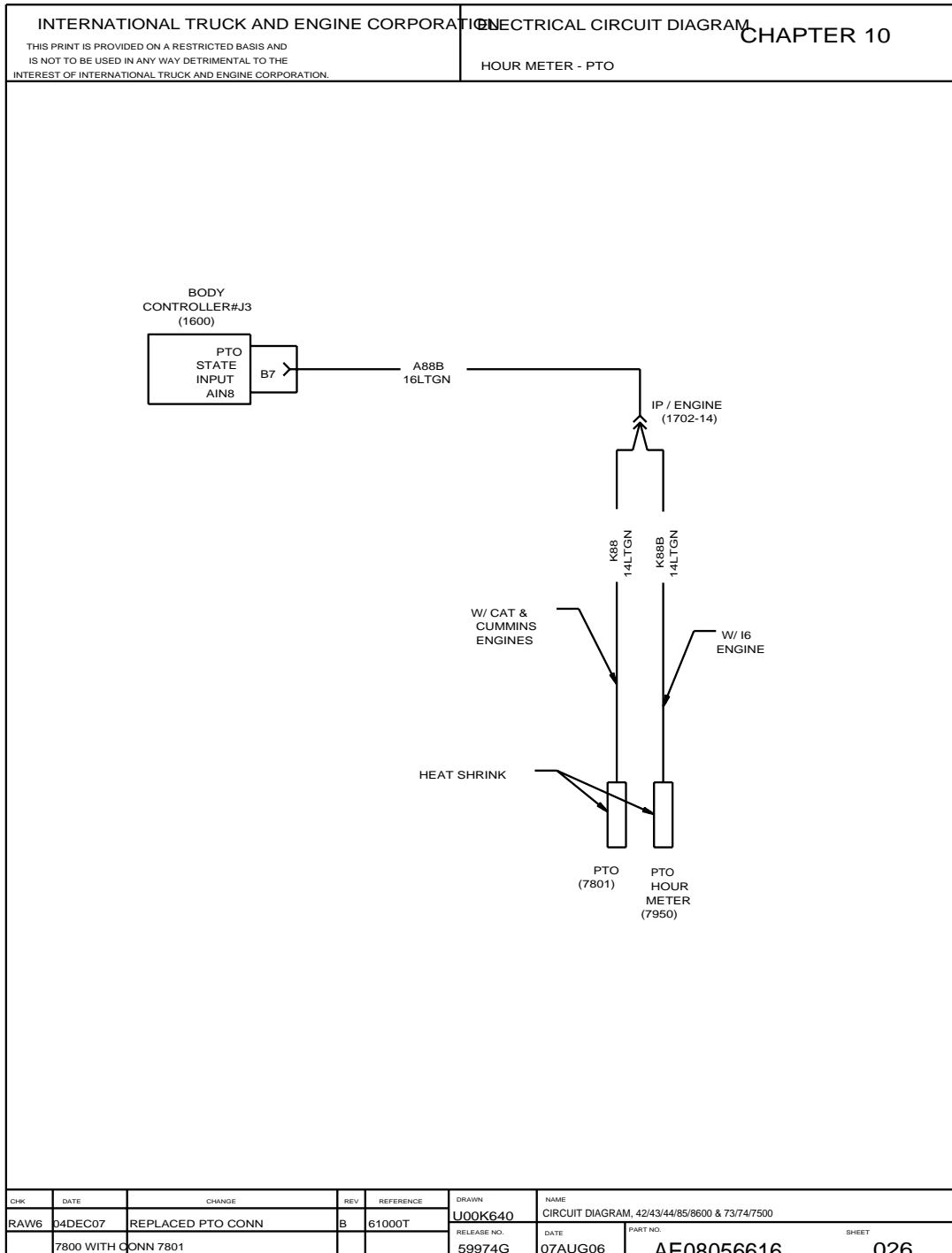


Figure 161 Hour Meter — PTO

10.27. AUX INPUTS AND DRIVERS, P. 27

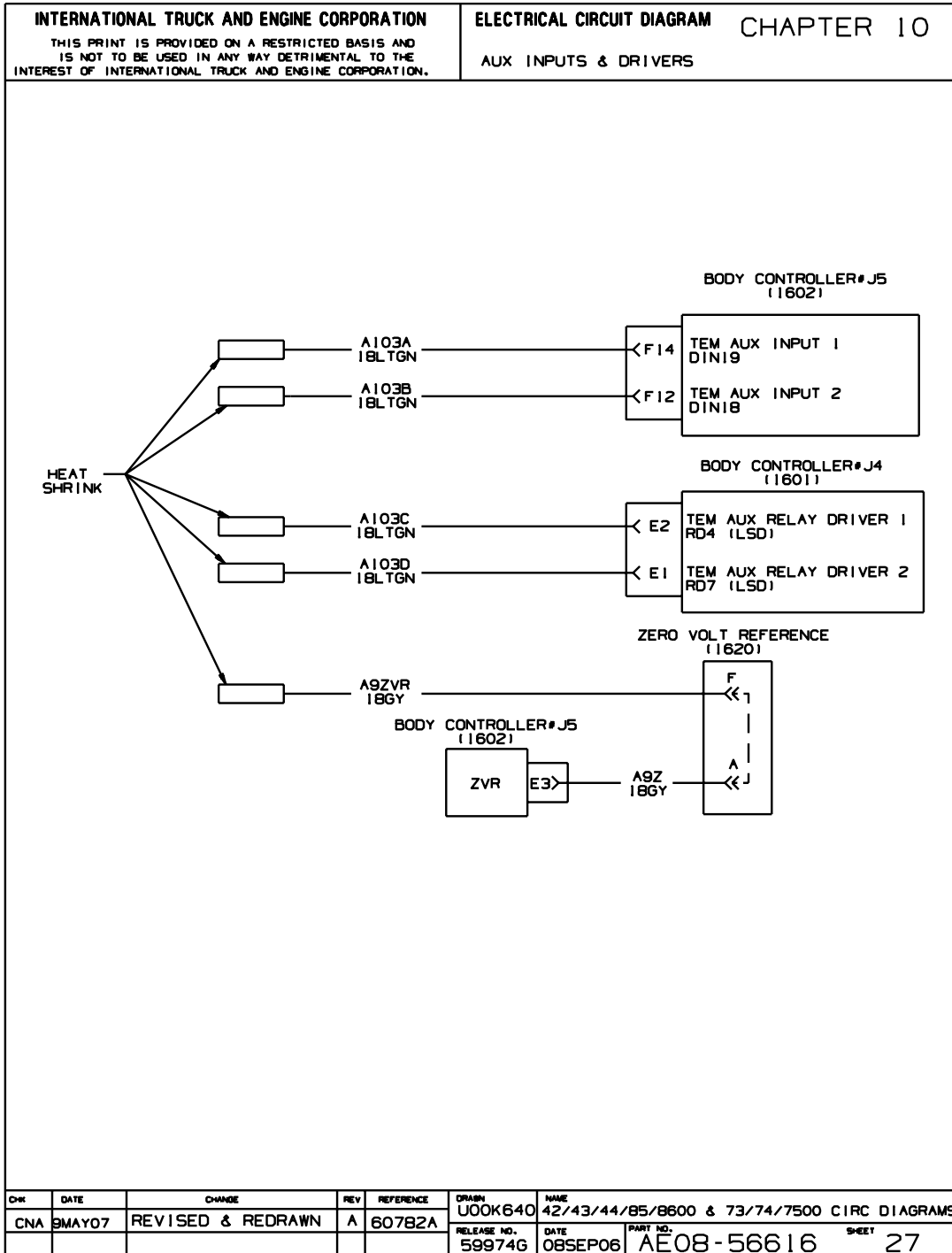


Figure 162 Aux Inputs and Drivers

10.28. FUEL TRANSFER PUMP, P. 28

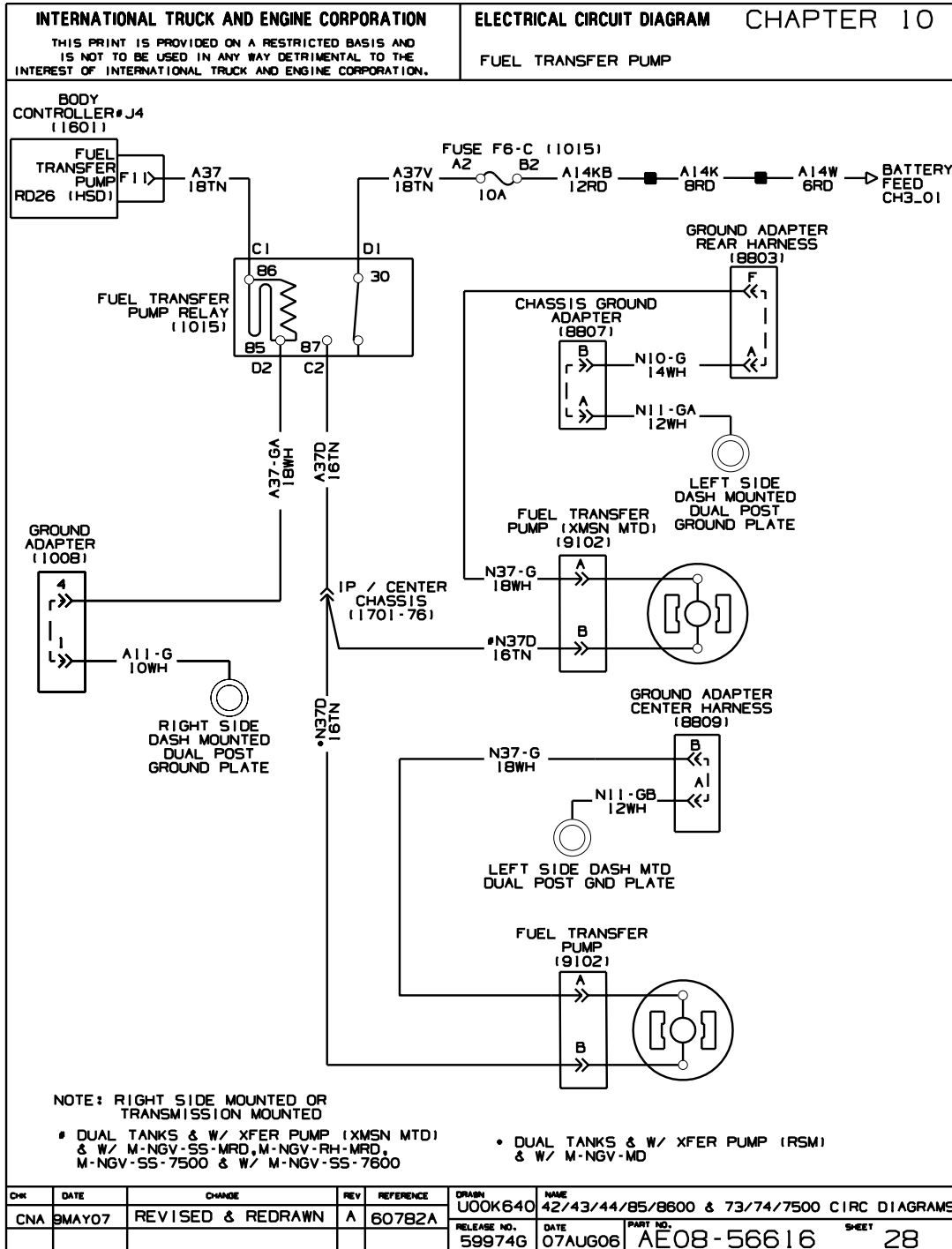


Figure 163 Fuel Transfer Pump

10.29. BLANK PAGE, P. 29

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					RELEASE NO.	DATE	PART NO.	SHEET	
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10.30. TELEMATICS AWARE — BODY BUILDER, P. 30

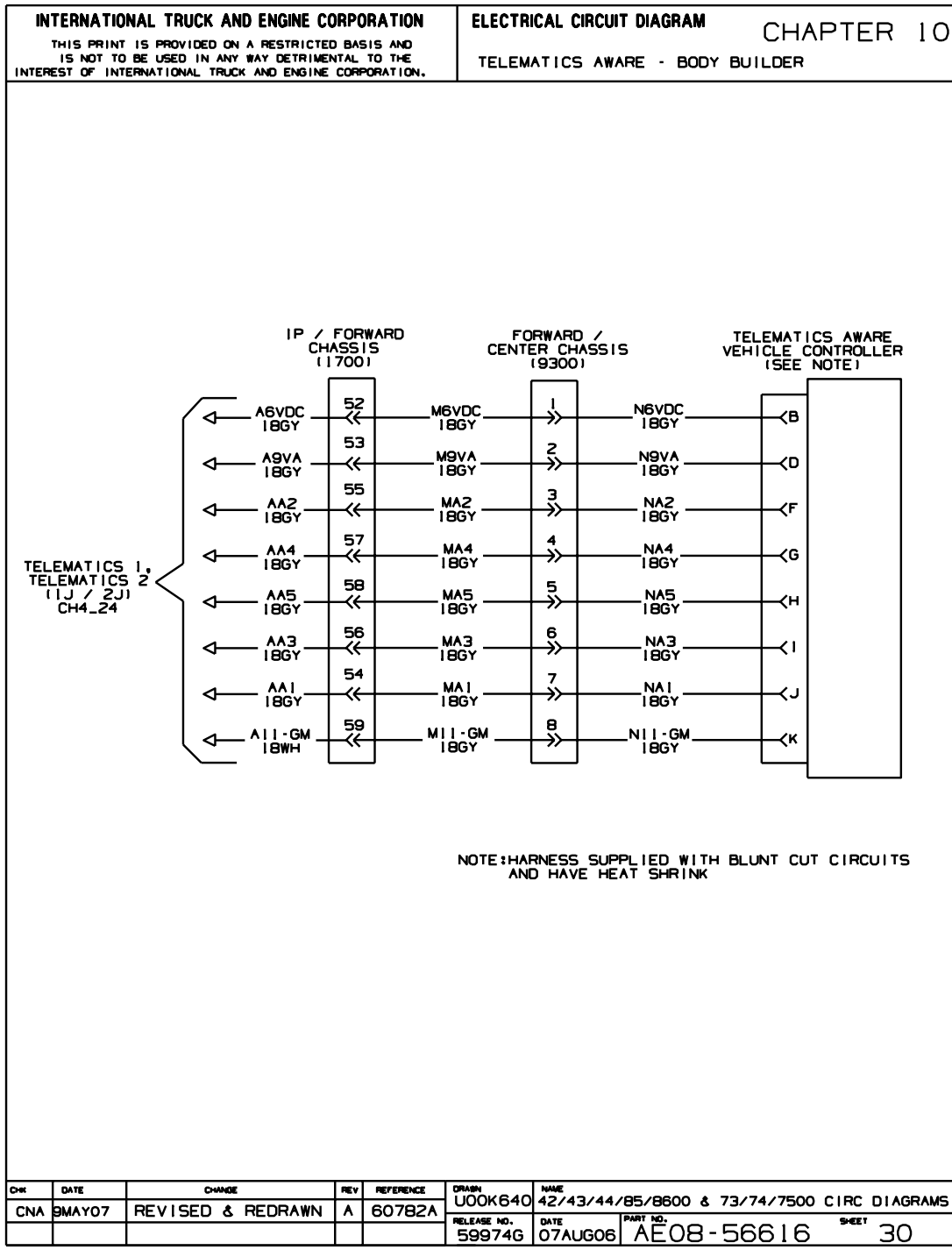


Figure 165 Telematics Aware — Body Builder

10.31. PRESSURE SWITCH, P. 31

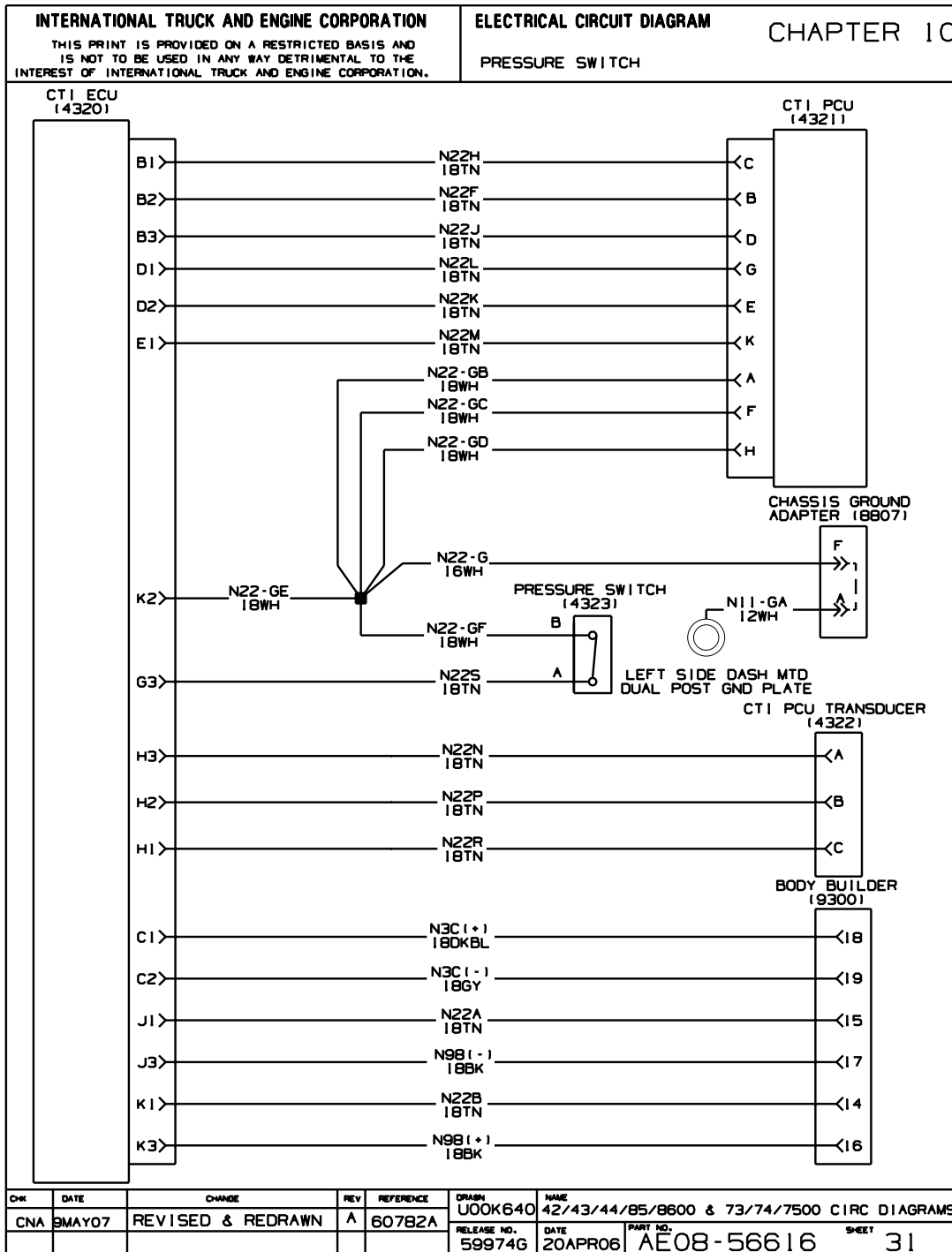


Figure 166 Pressure Switch

10.32. LIFT GATE, P. 32

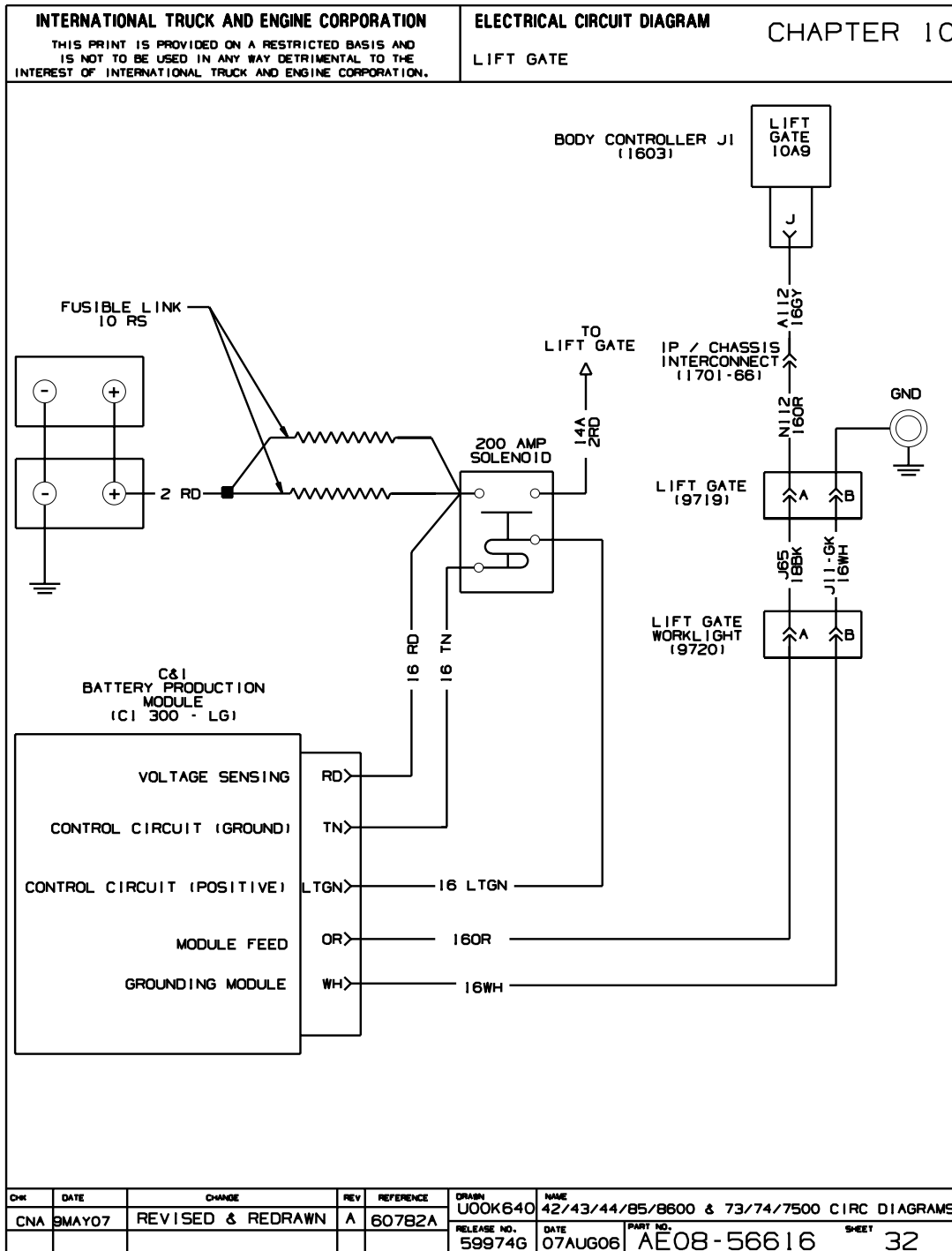


Figure 167 Lift Gate

10.33. WHEELCHAIR LIFT INTERLOCK, P. 33

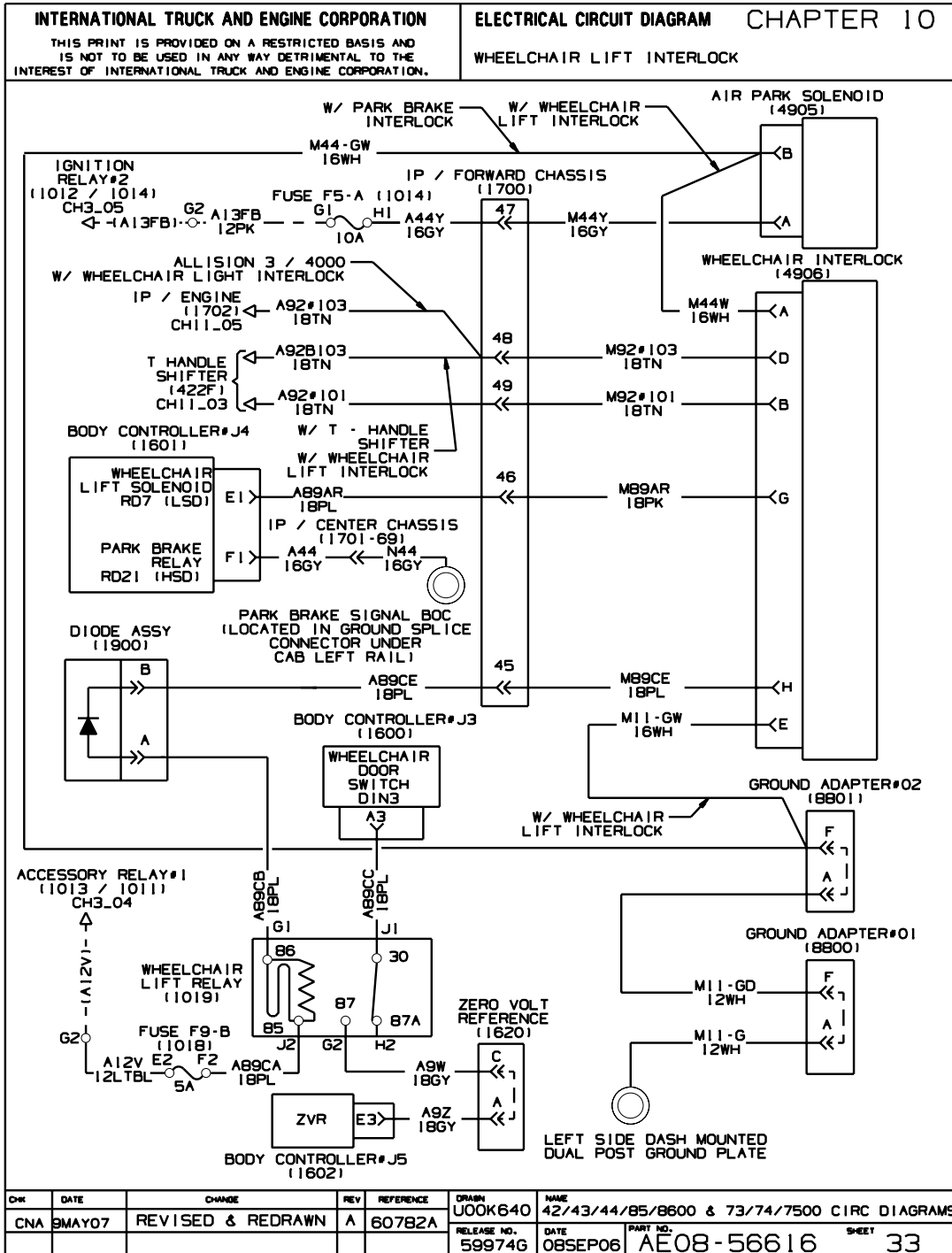


Figure 168 Wheelchair Lift Interlock

10.34. LIFT AXLE WITH CONTROLS FOR ONE LIFT AXLE, P. 34

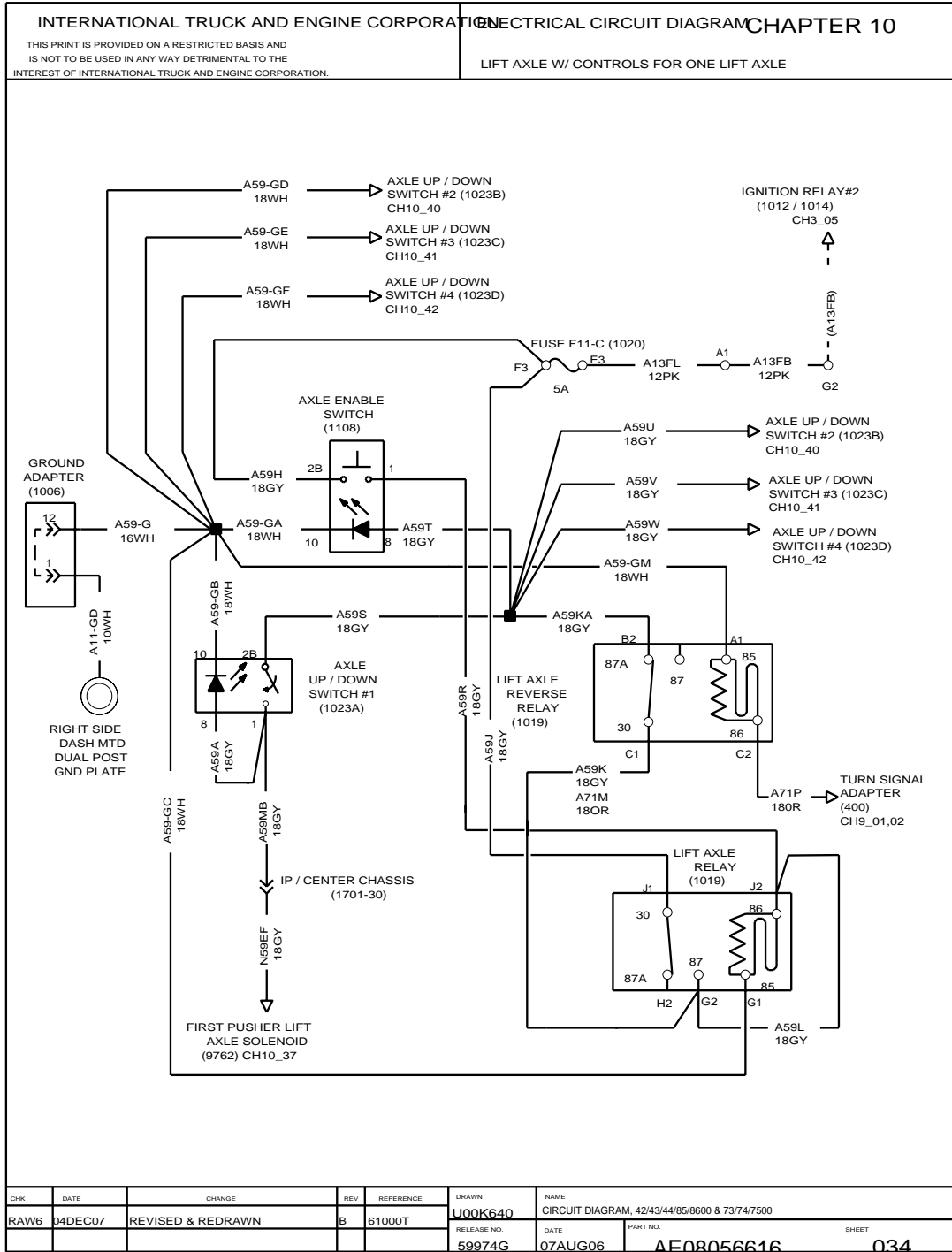


Figure 169 Lift Axle with Controls for One Lift Axle

10.35. LIFT AXLE (NON-STEERABLE), P. 35

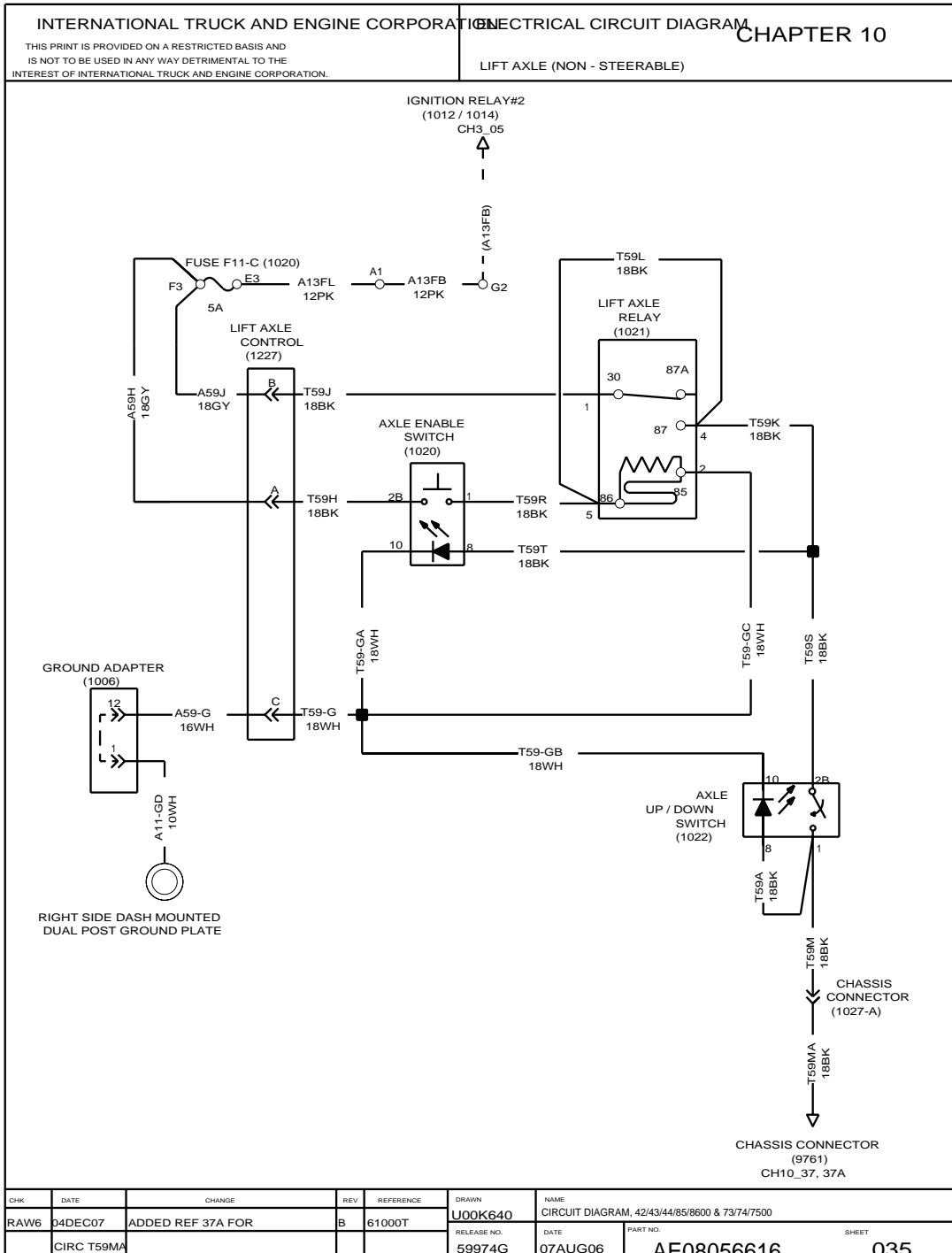


Figure 170 Lift Axle (Non-Steerable)

10.36. LIFT AXLE (STEERABLE), P. 36

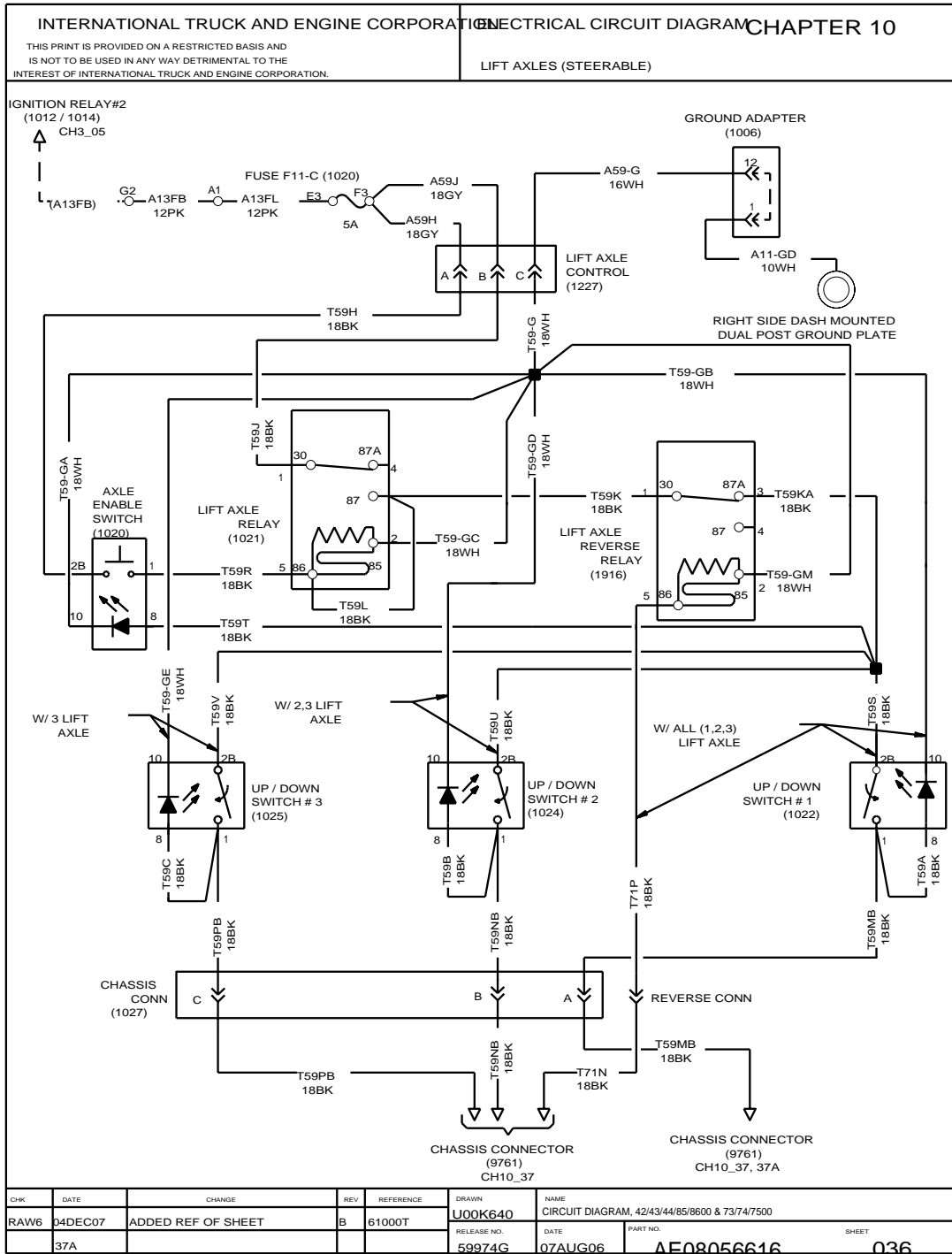


Figure 171 Lift Axle (Steerable)

10.37. LIFT AXLES, P. 37

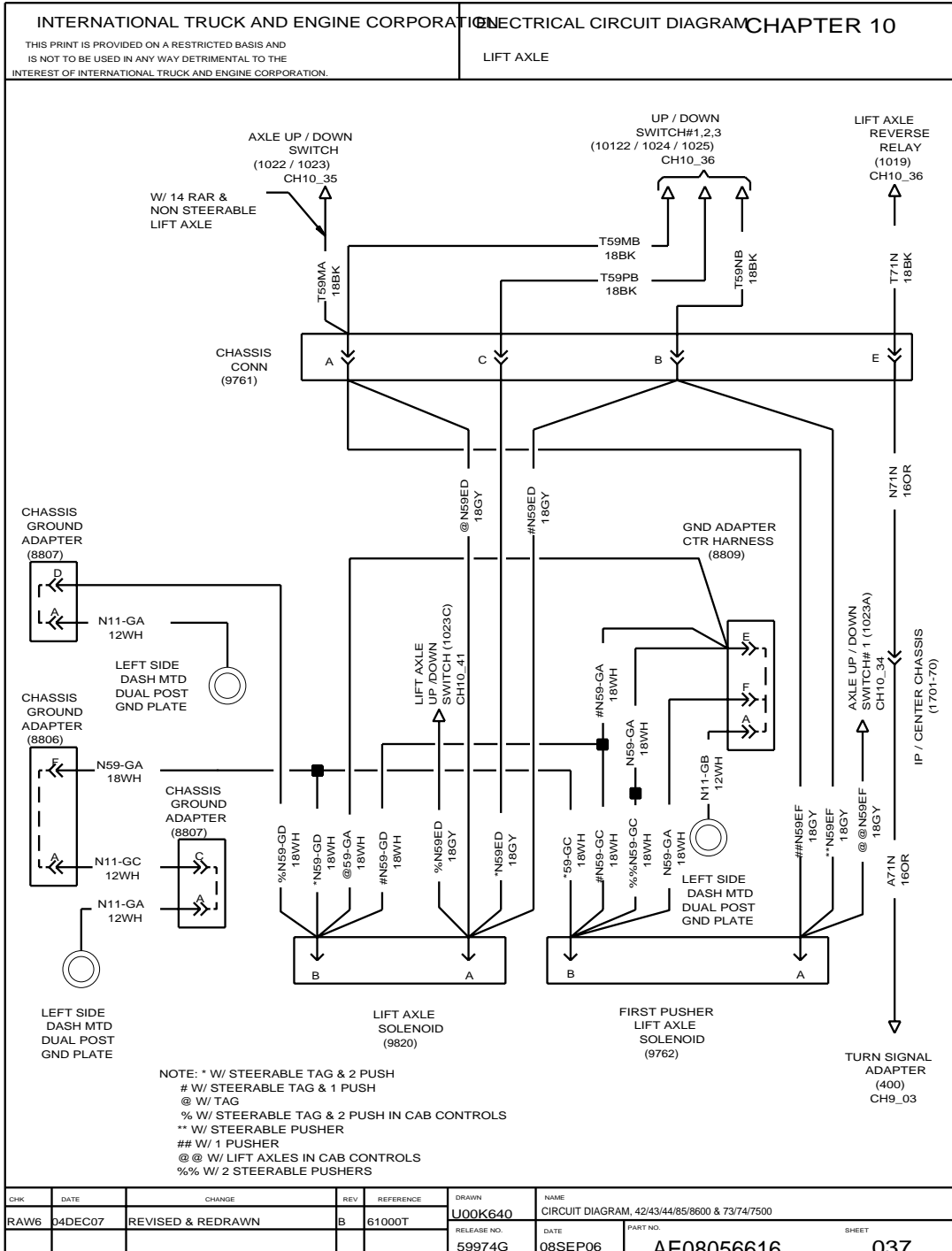


Figure 172 Lift Axles

10.38. LIFT AXLES, P. 37A

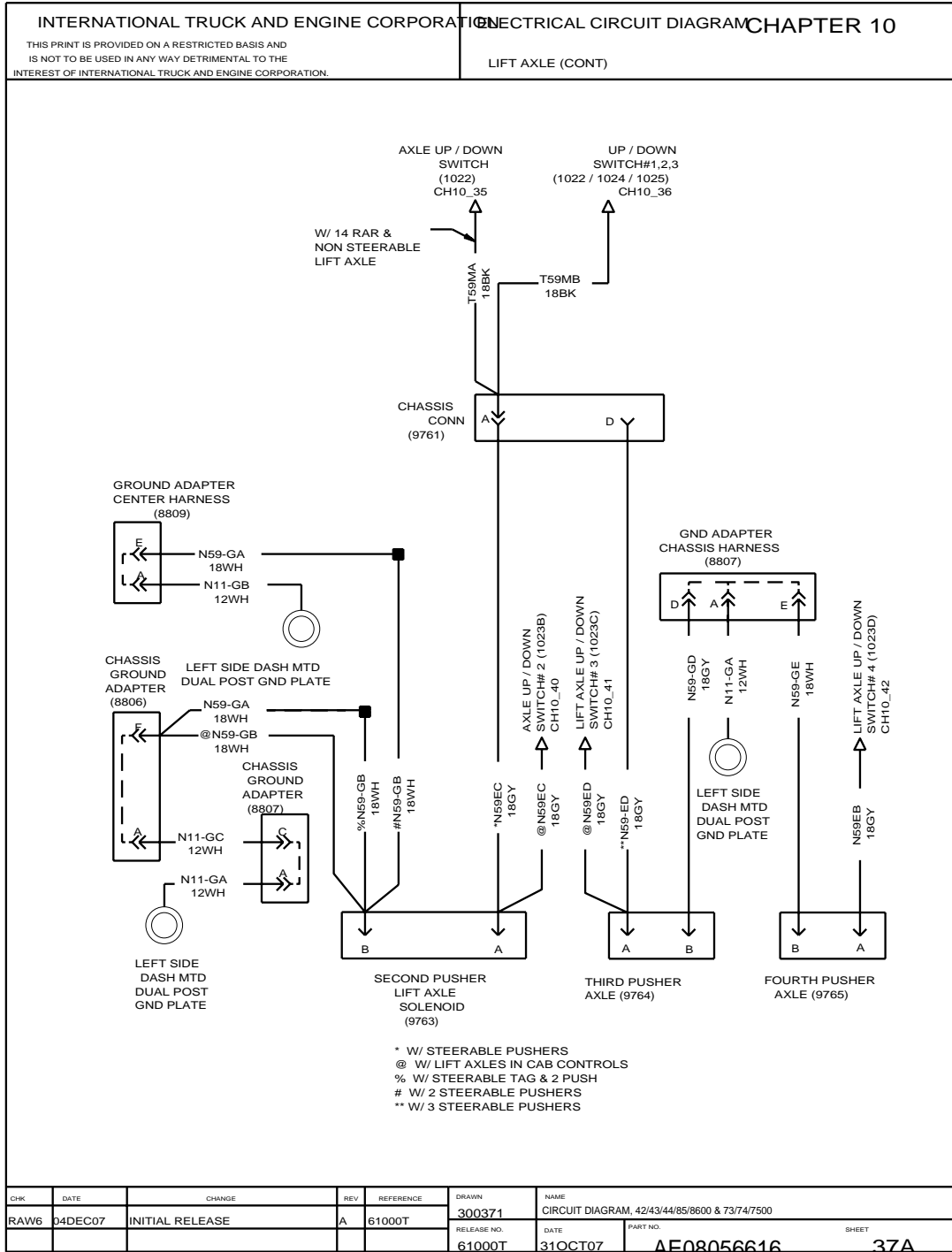


Figure 173 Lift Axles

10.39. ABS — BENDIX AIR 6S/6M, P. 38

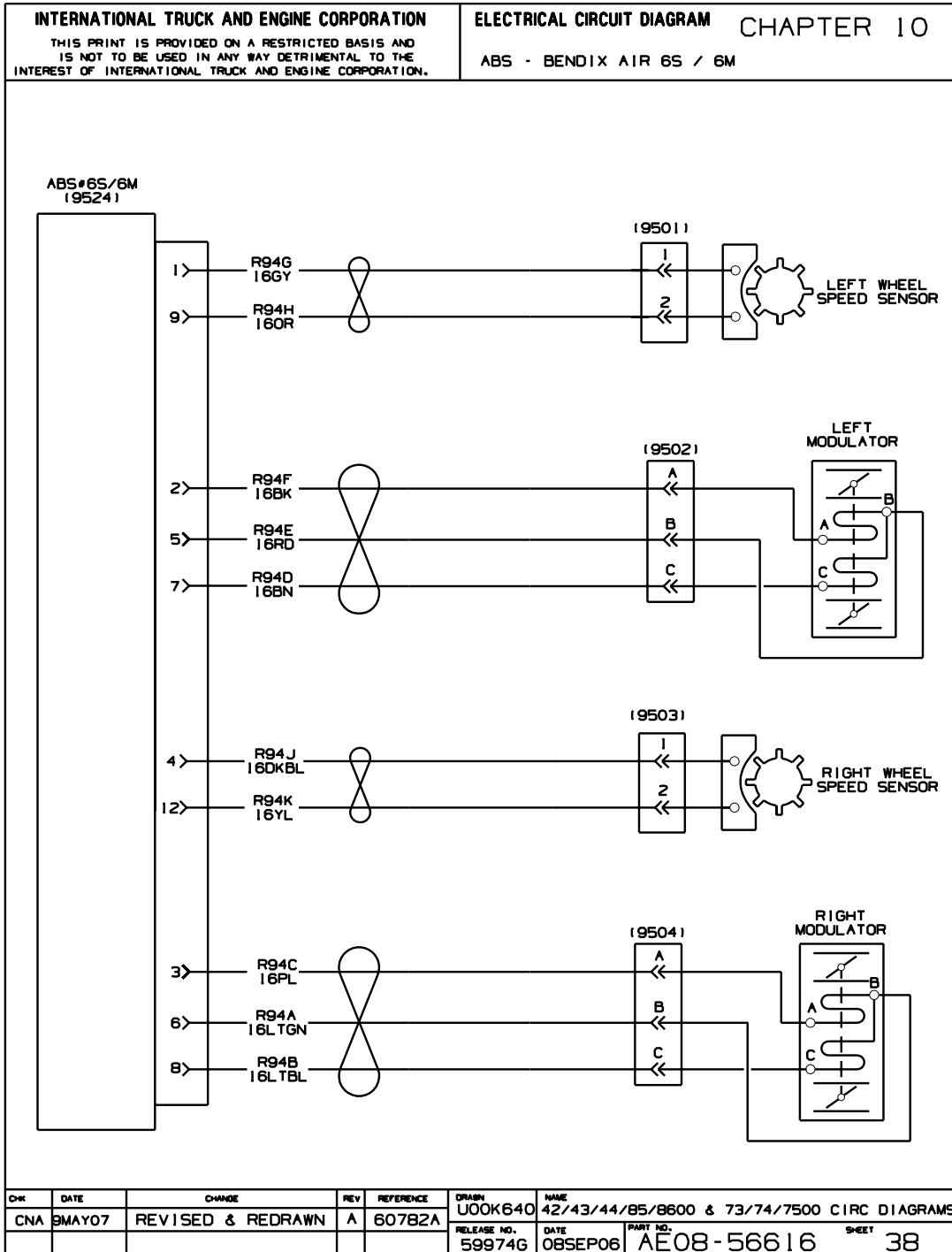


Figure 174 ABS — Bendix Air 6S/6M

10.40. ABS — BENDIX AIR 6S/6M, P. 39

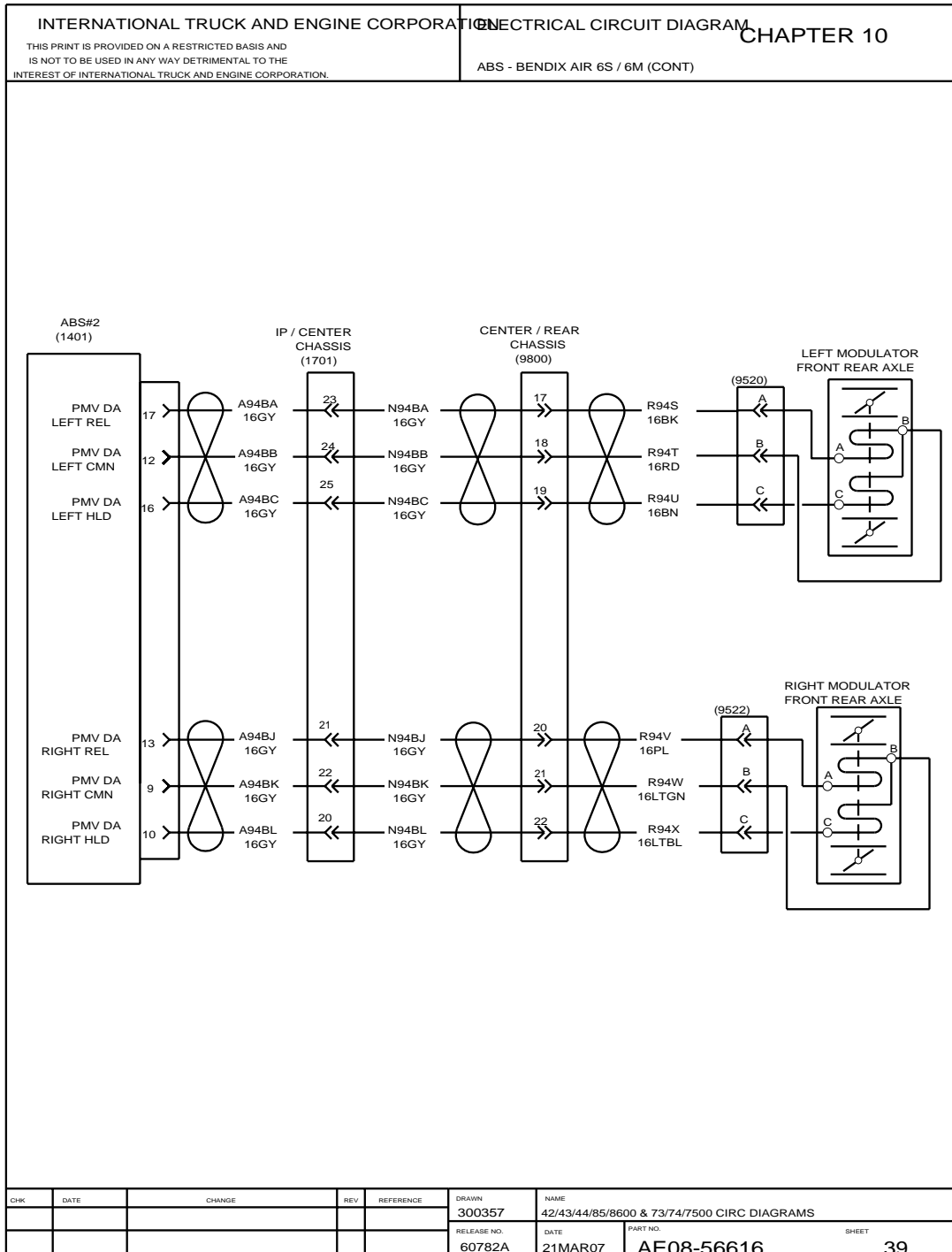


Figure 175 ABS — Bendix Air 6S/6M

10.41. LIFT AXLE WITH CONTROLS FOR TWO LIFT AXLES, P. 40

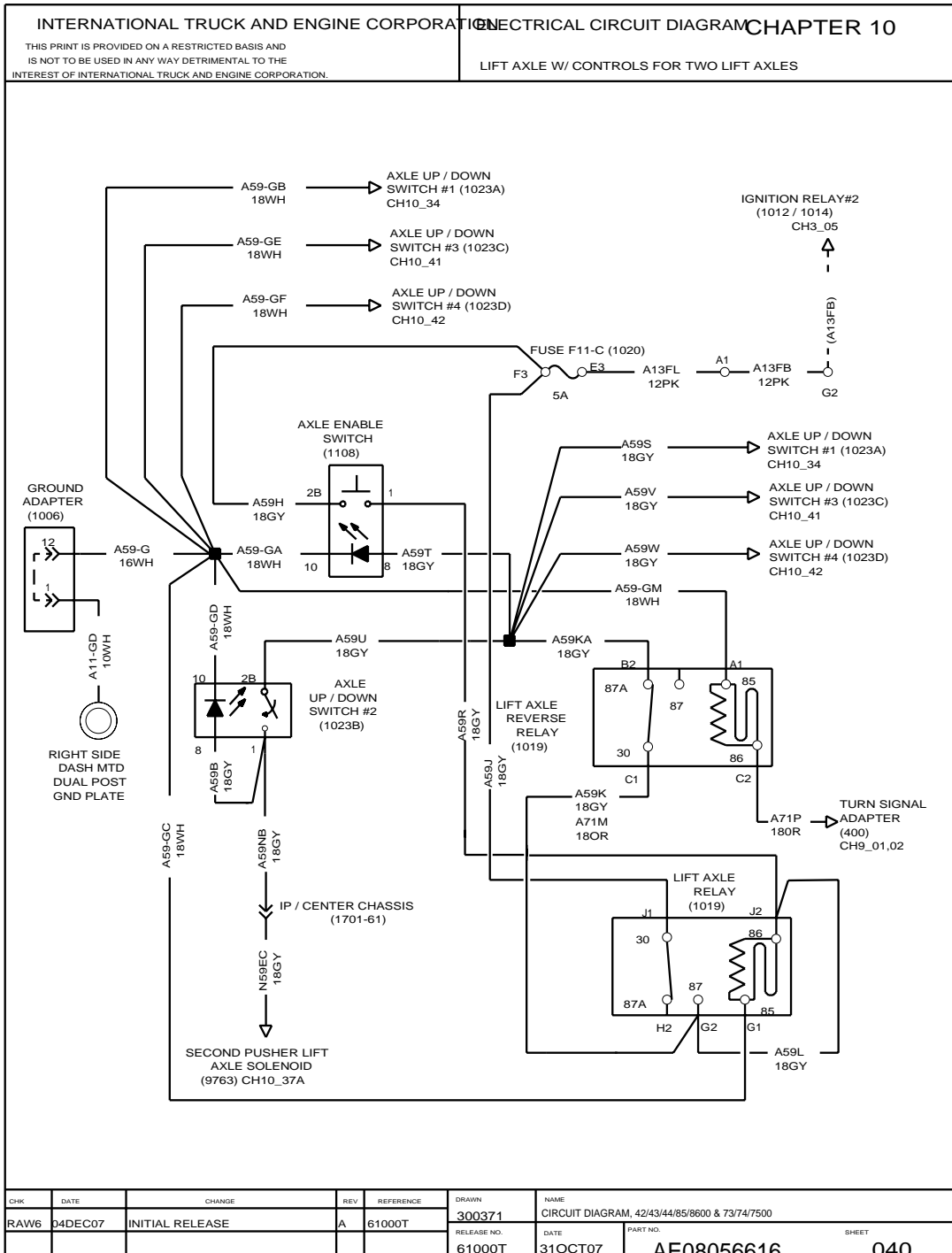


Figure 176 Lift Axle with Controls for Two Lift Axles

10.42. LIFT AXLE WITH CONTROLS FOR THREE LIFT AXLES, P. 41

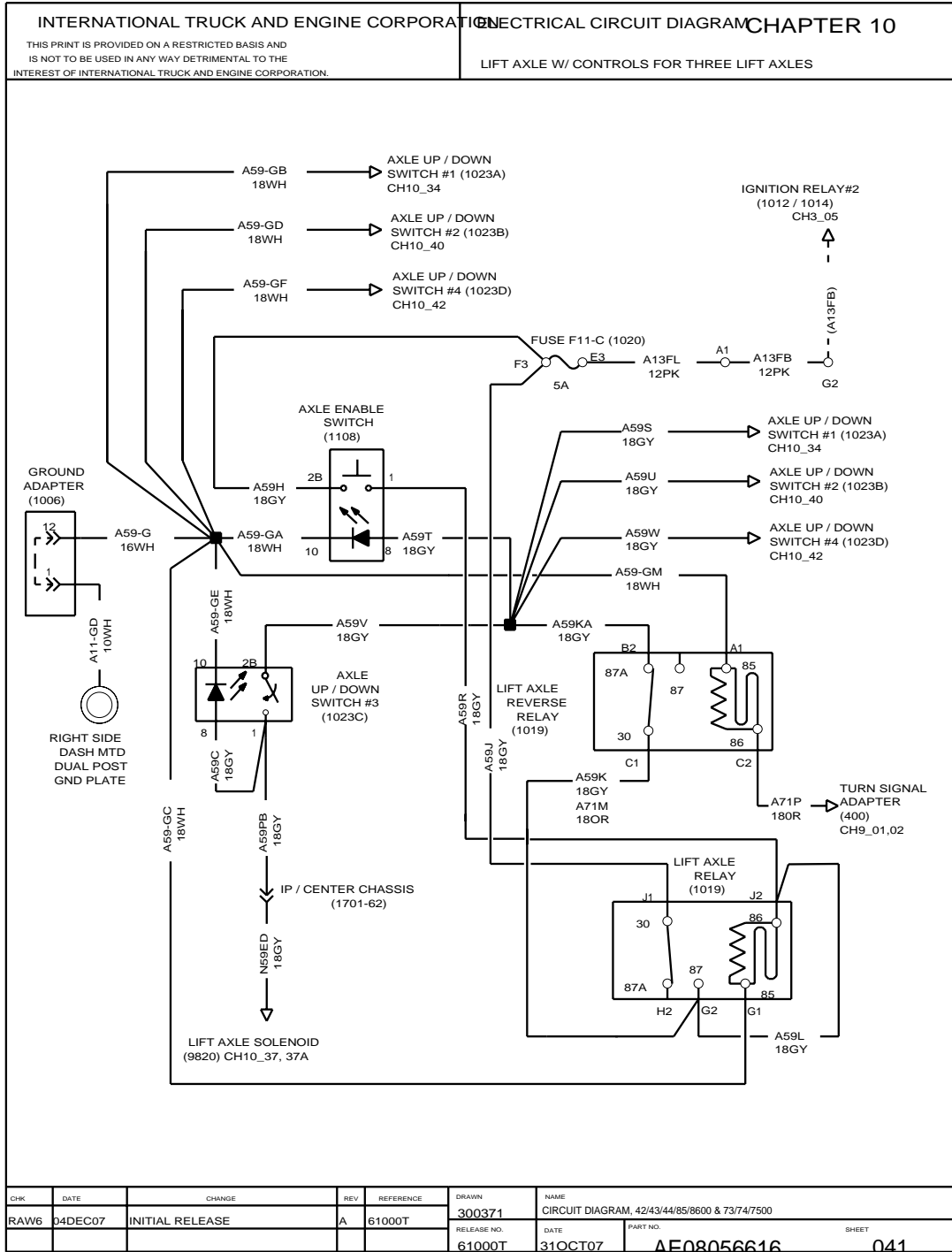


Figure 177 Lift Axle with Controls for Three Lift Axles

10.43. LIFT AXLE WITH CONTROLS FOR FOUR LIFT AXLES, P. 42

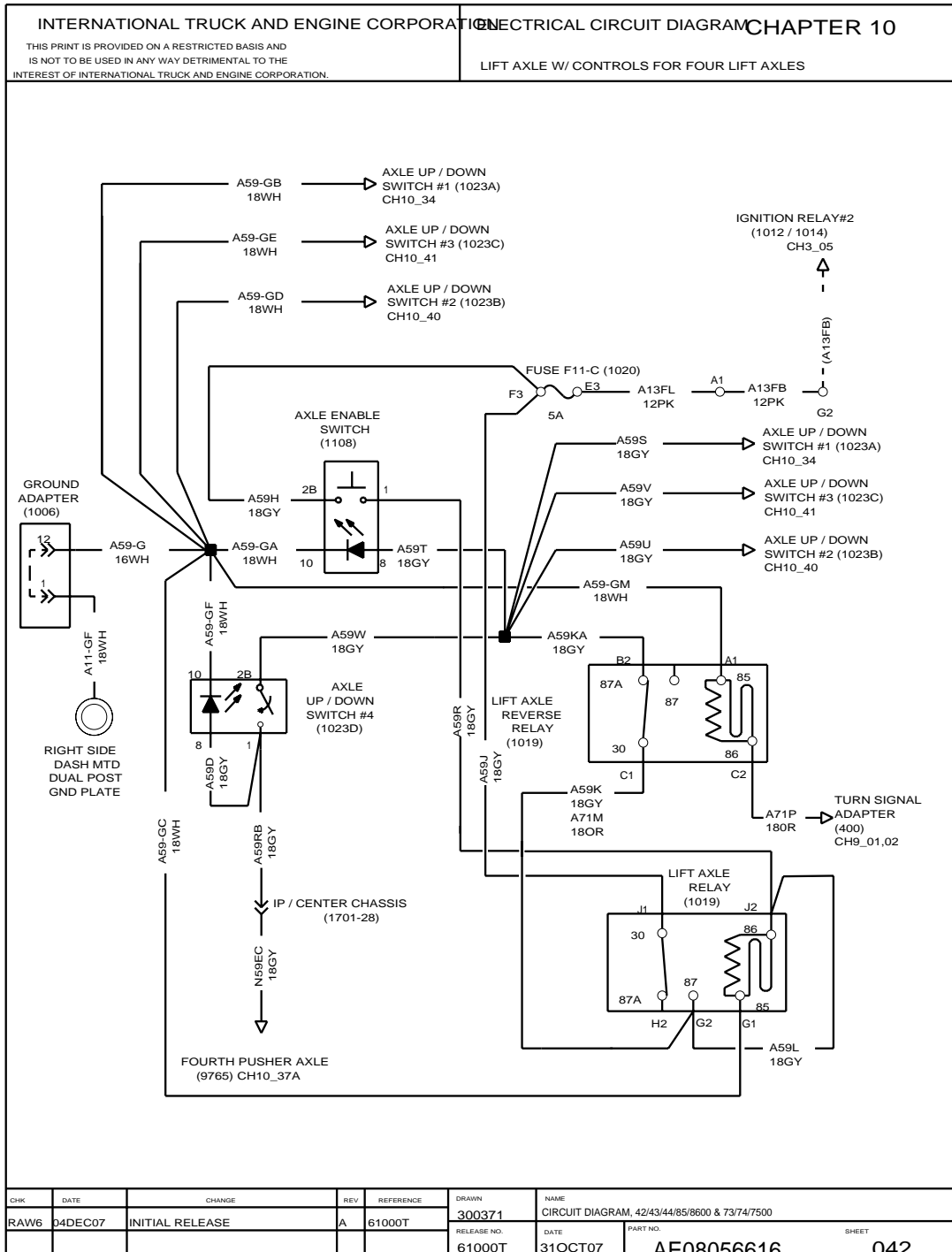


Figure 178 Lift Axle with Controls for Four Lift Axles

10.44. ABS ESP / RSP, P. 43

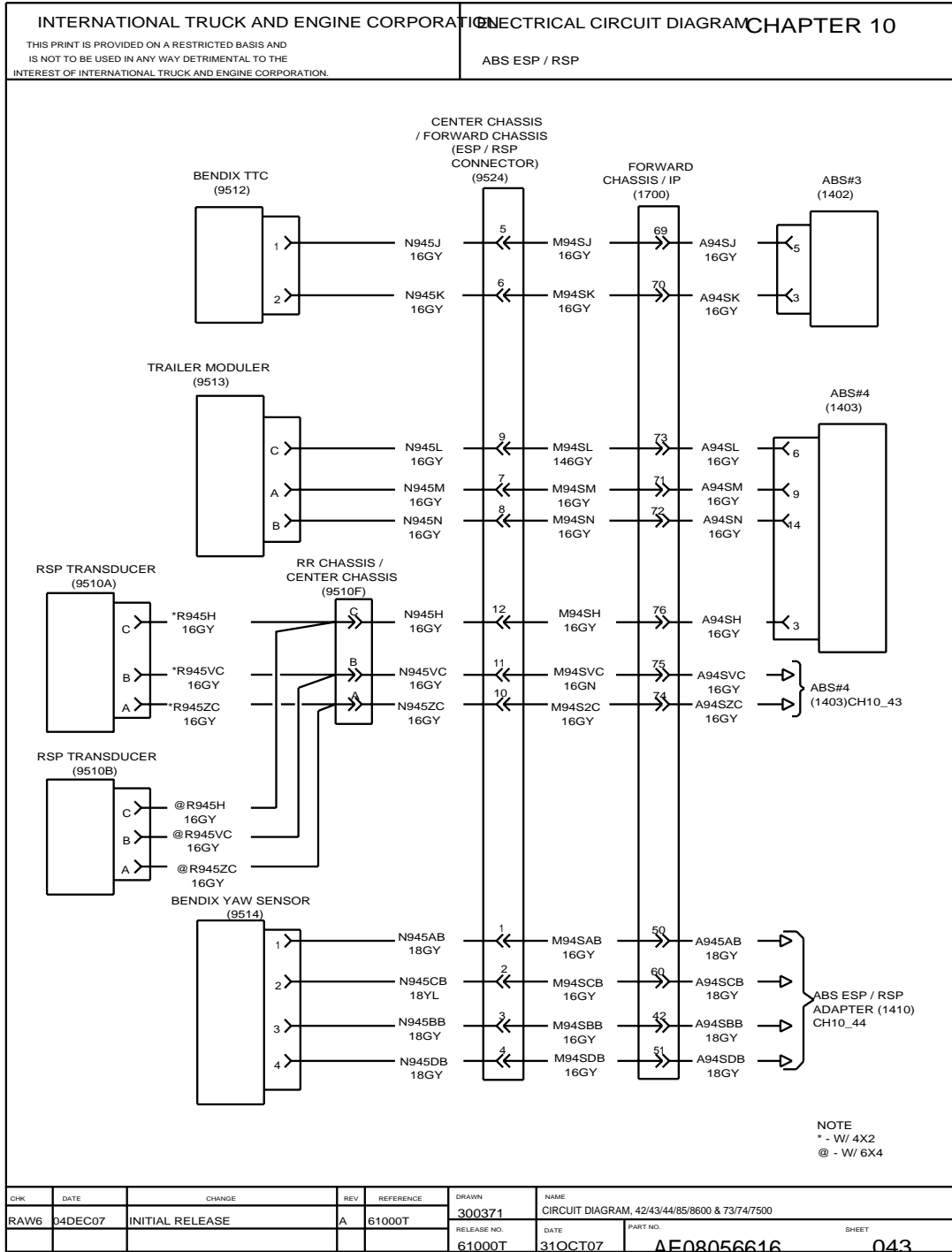


Figure 179 ABS ESP / RSP

10.45. ABS ESP / RSP, P. 44

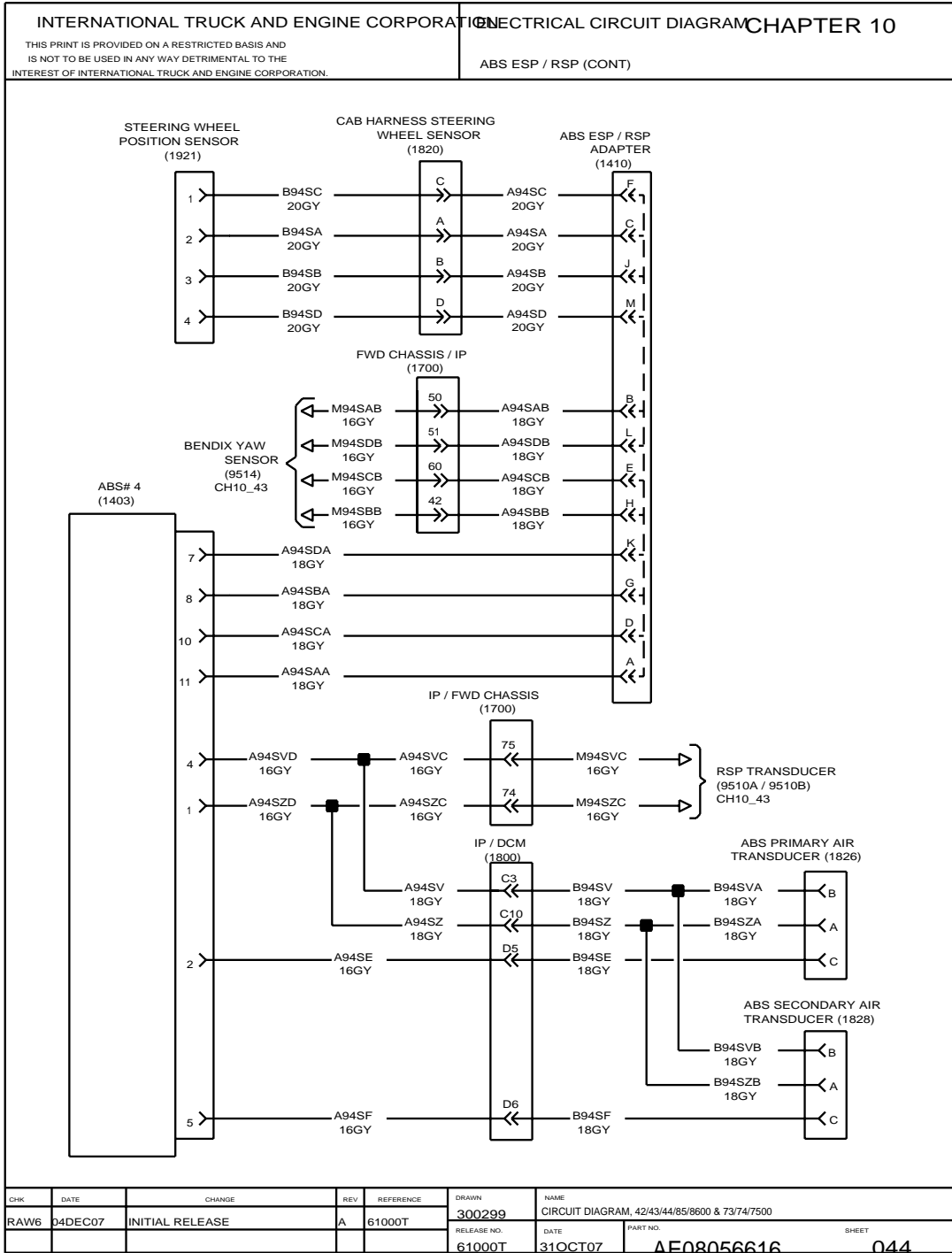


Figure 180 ABS ESP / RSP

11. TRANSMISSIONS (CHAPTER 11)

11.1. ALLISON GEN 4 1/2000 TRANSMISSION WITH I6 AND WITH V8 ENGINE, P. 1

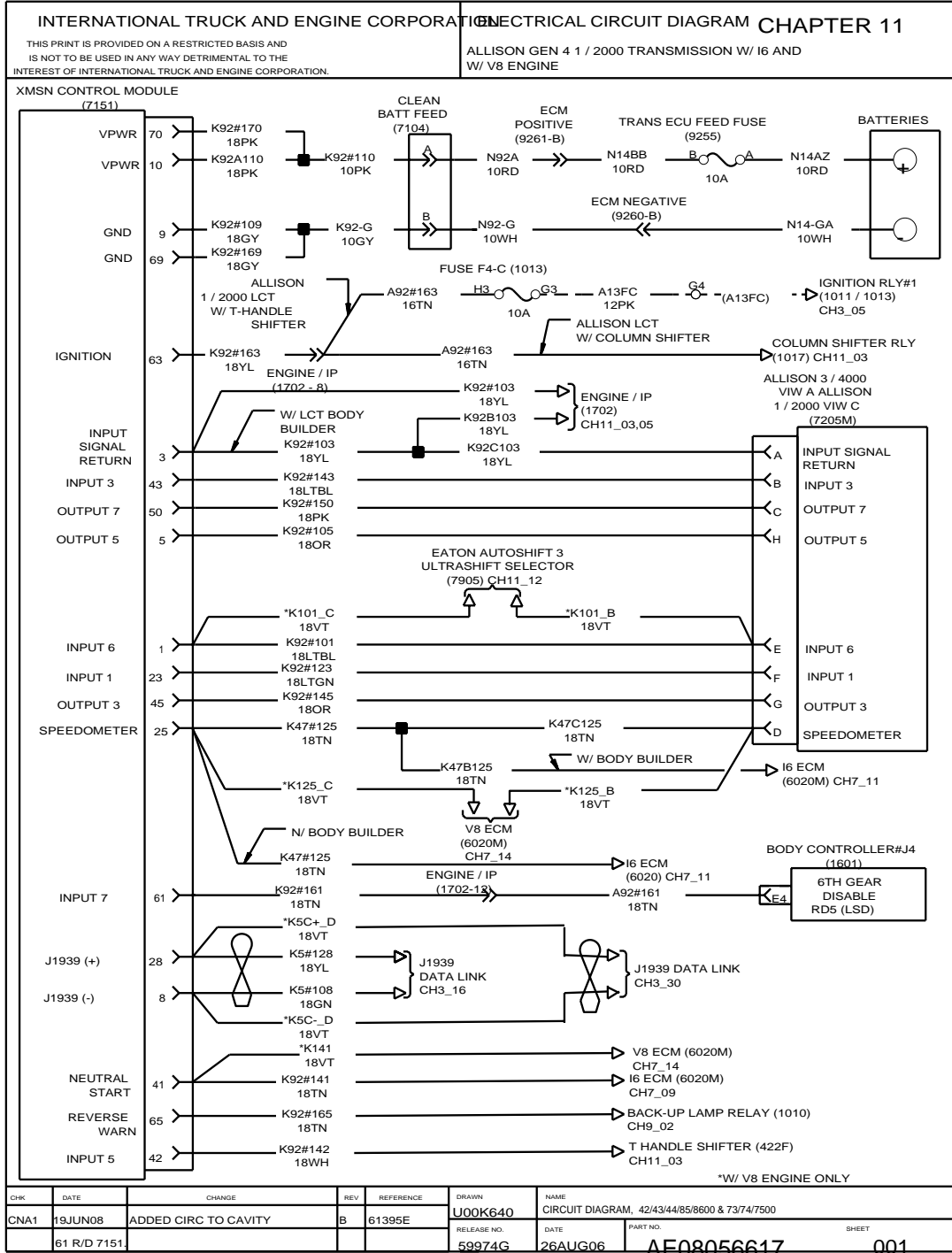


Figure 181 Allison GEN 4 1/2000 Transmission with I6 and with V8 Engine

11.2. ALLISON GEN 4 1/2000 TRANSMISSION WITH I6 AND WITH V8 ENGINE, P. 2

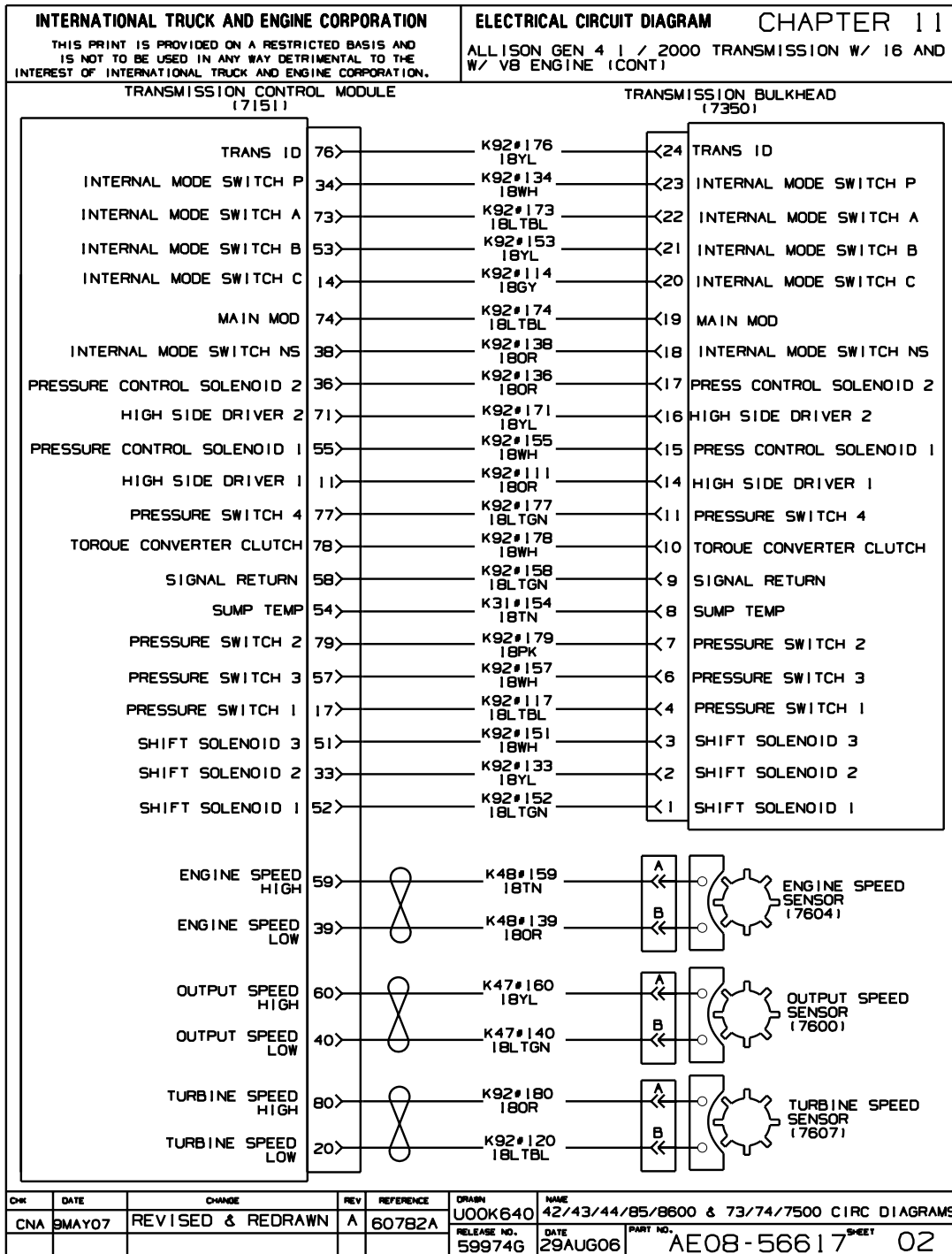


Figure 182 Allison GEN 4 1/2000 Transmission with I6 and with V8 Engine (Cont.)

11.3. ALLISON GEN 4 1/2000 TRANSMISSION W/ I6, CAT, ISM ENGINE, P. 3

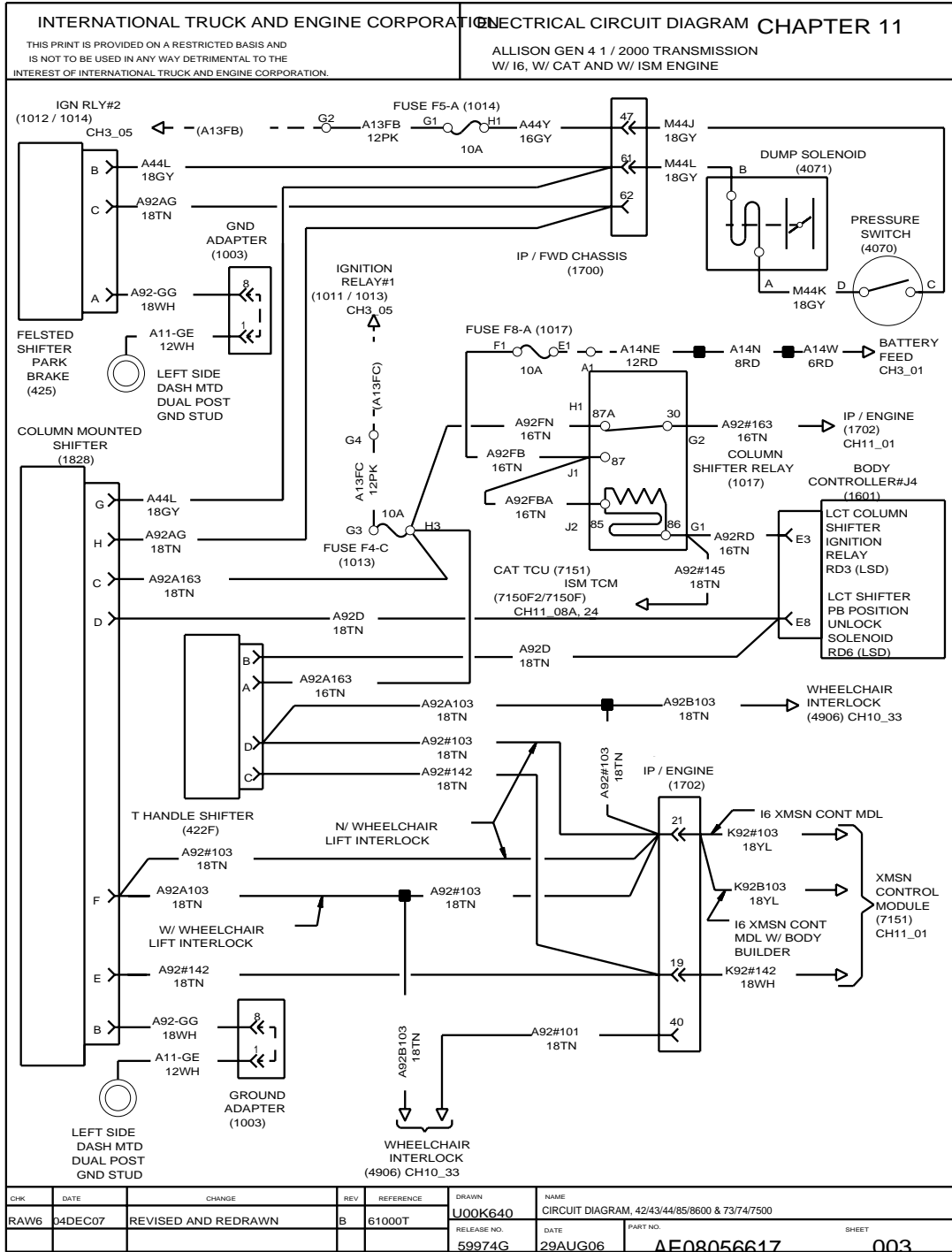


Figure 183 Allison GEN 4 1/2000 Transmission W/ I6, CAT, ISM Engines

11.4. TRANSMISSION, ALLISON MD WITH I6 AND WITH V8 ENGINE, P. 4

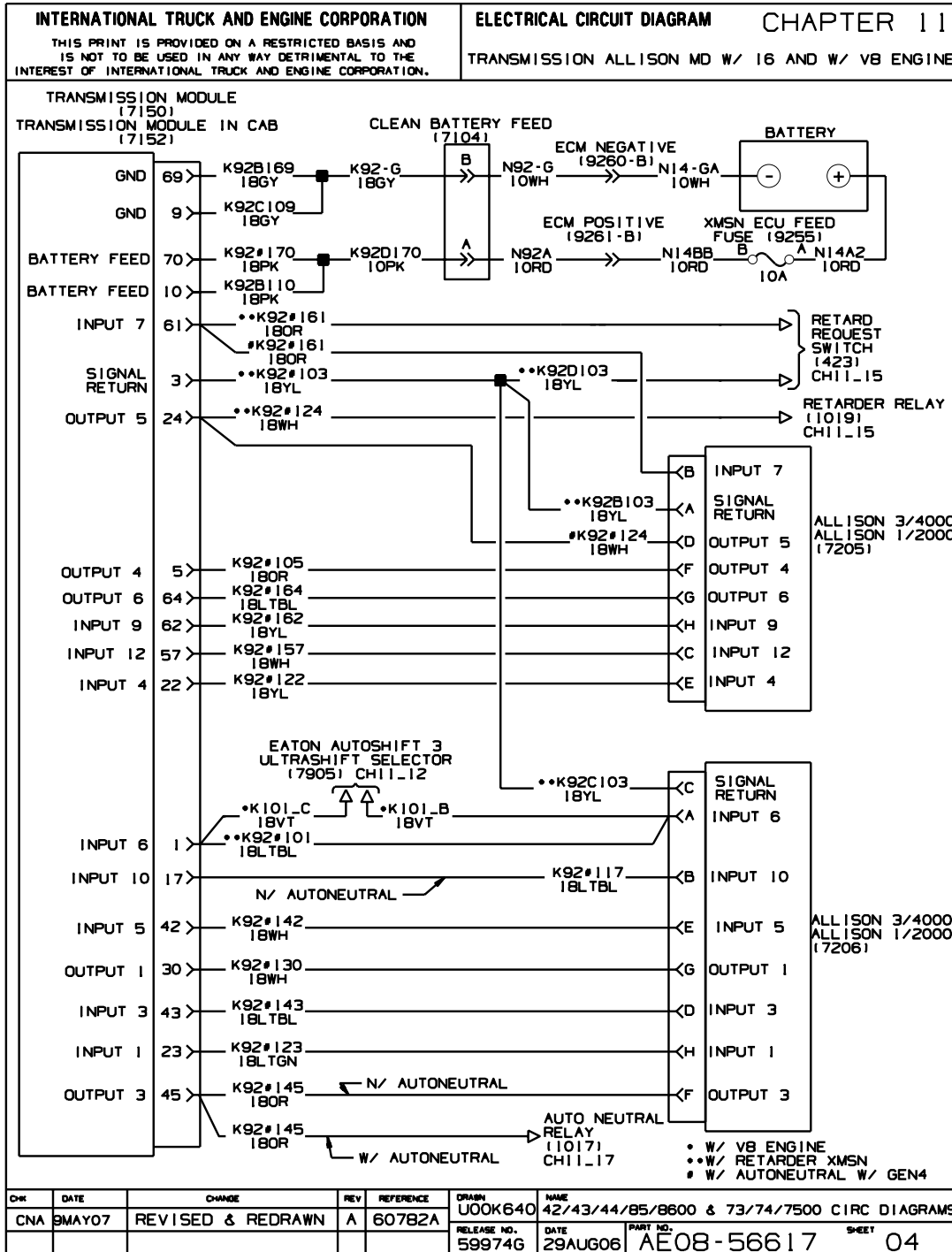


Figure 184 Transmission, Allison MD with I6 and with V8 Engine

11.5. TRANSMISSION, ALLISON MD 3/4000 WITH I6 AND WITH V8 ENGINE, P. 5

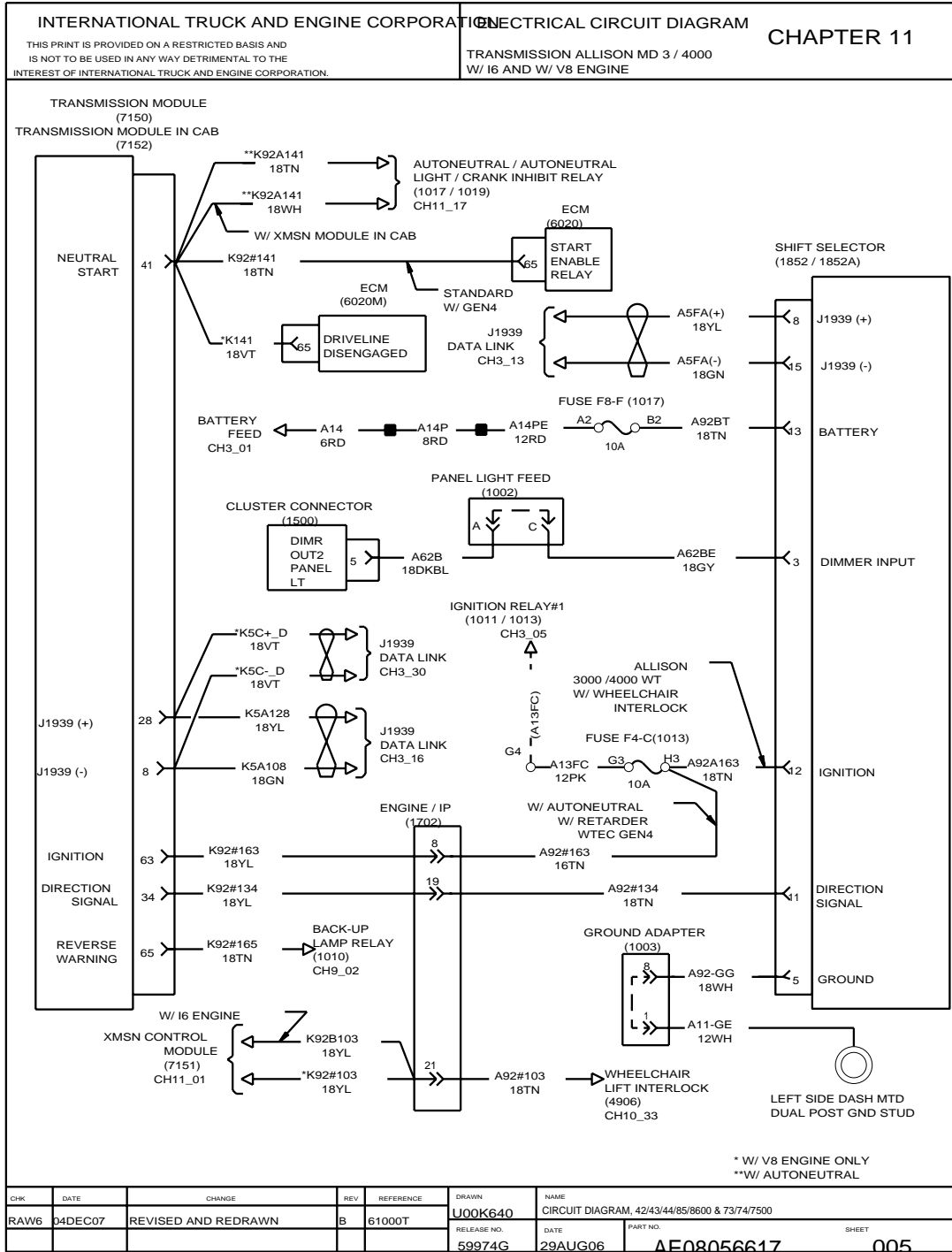


Figure 185 Transmission, Allison MD 3/4000 with I6 and with V8 Engine

11.6. TRANSMISSION, ALLISON MD/HD (WTEC) WITH I6 AND WITH V8 ENGINE, P. 6

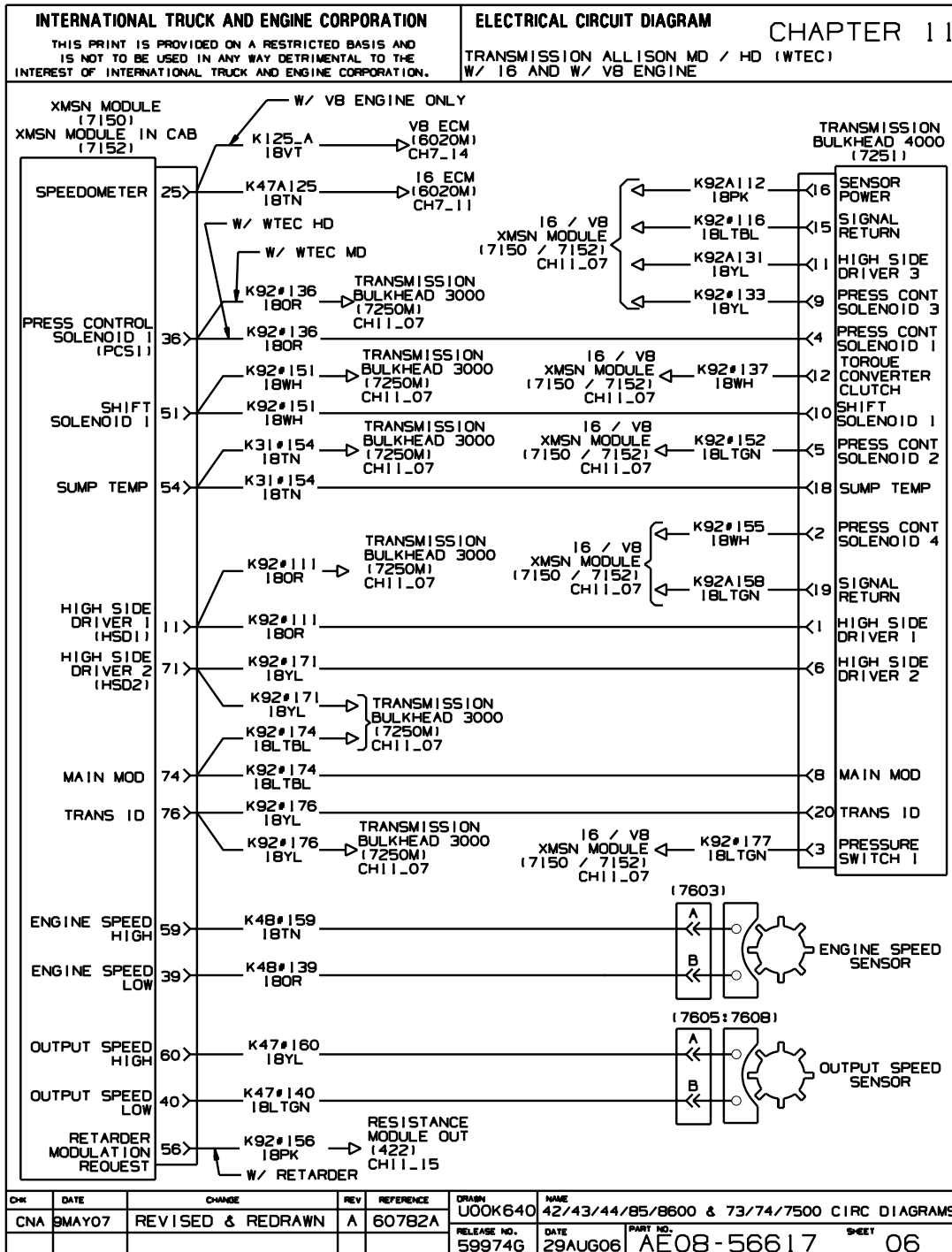


Figure 186 Transmission, Allison MD/HD (WTEC) with I6 and with V8 Engine

11.7. TRANSMISSION, ALLISON MD/HD (WTEC) WITH I6 AND WITH V8 ENGINE
 (CONT.), P. 7

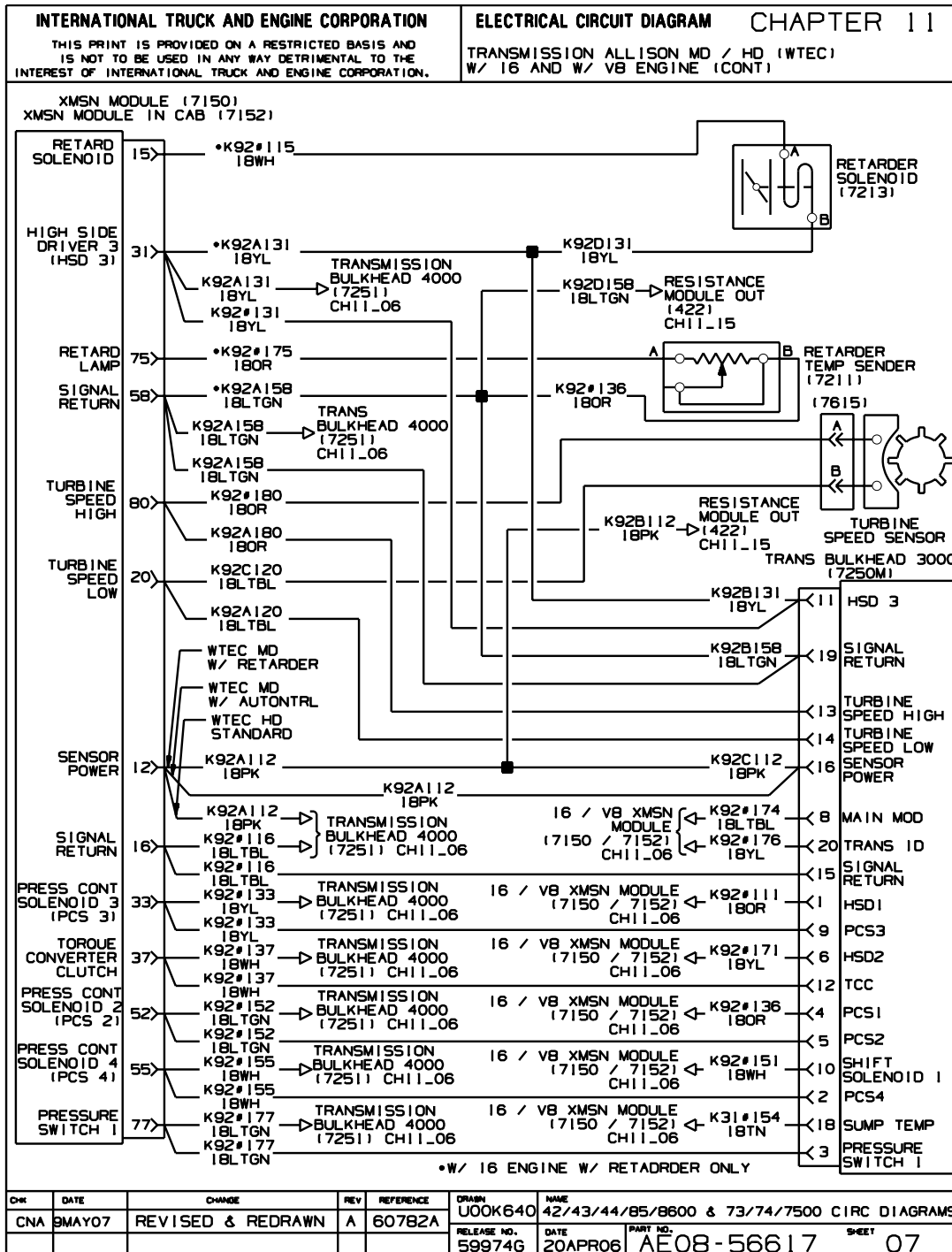


Figure 187 Transmission, Allison MD/HD (WTEC) with I6 and with V8 Engine (Cont.)

11.8. TRANSMISSION, ALLISON MD (WTEC), P. 8

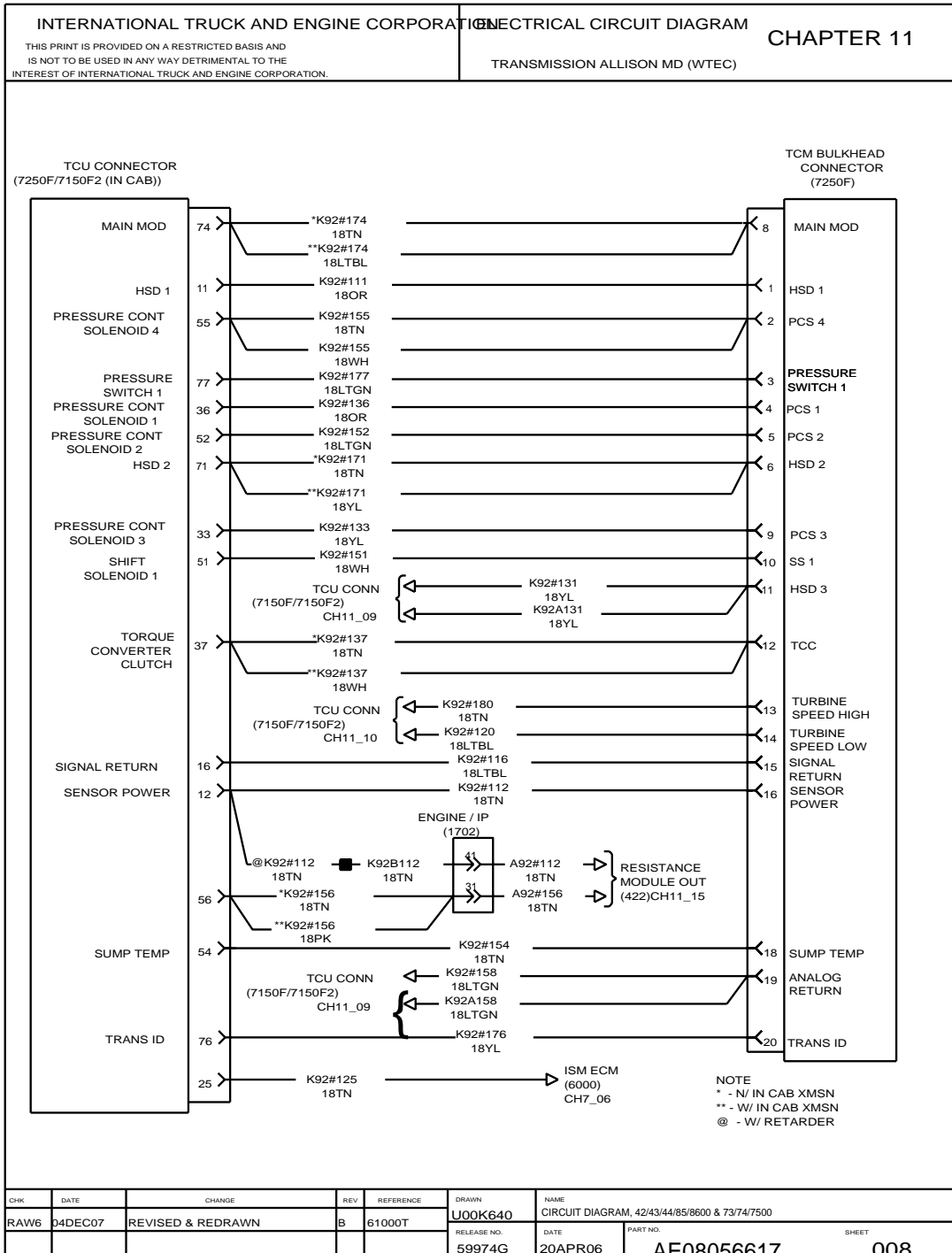


Figure 188 Transmission, Allison MD (WTEC)

11.9. TRANSMISSION, ALLISON MD (WTEC), P. 8A

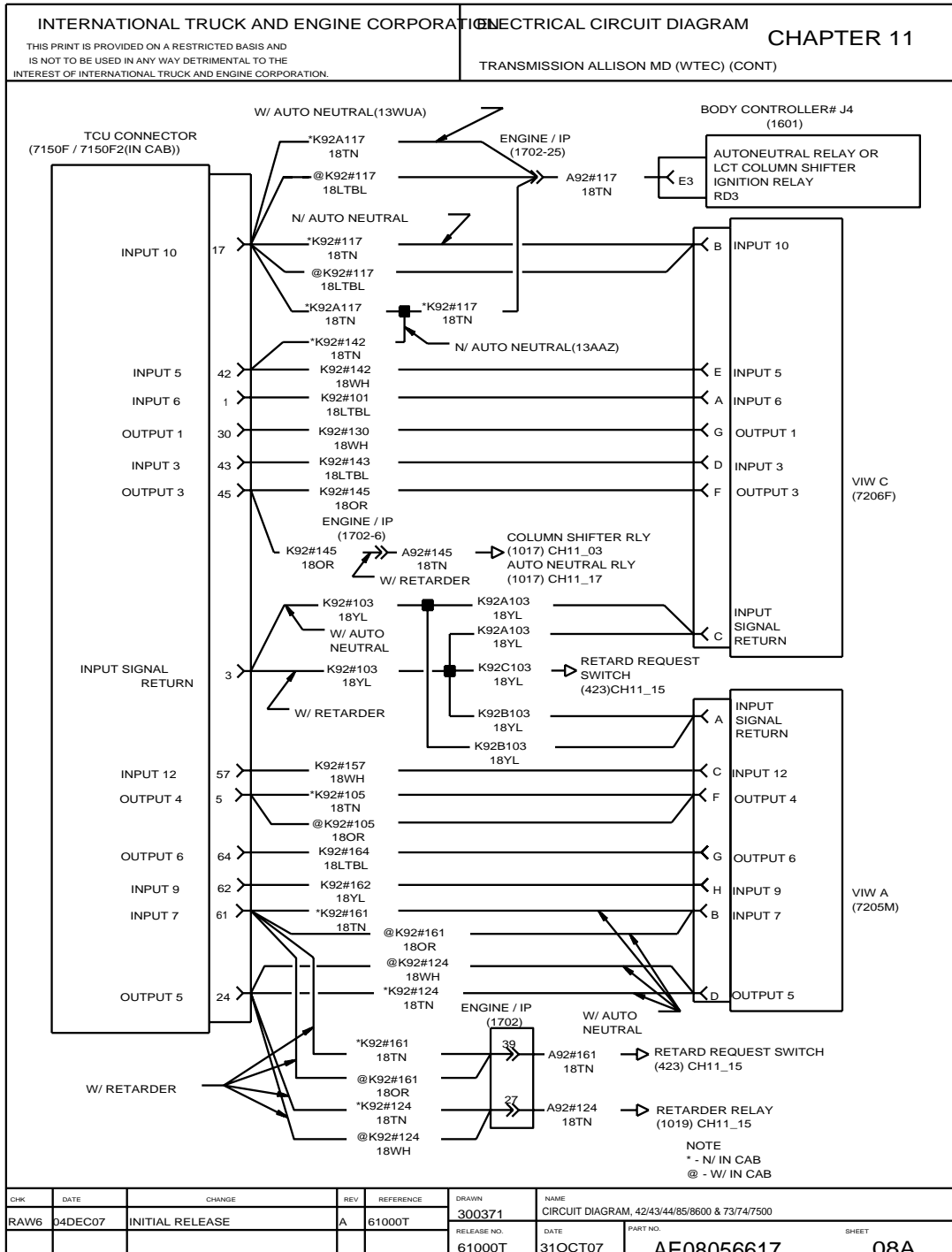


Figure 189 Transmission, Allison MD (WTEC)

11.10. TRANSMISSION, ALLISON MD (WTEC) (ISM ENGINE), P. 9

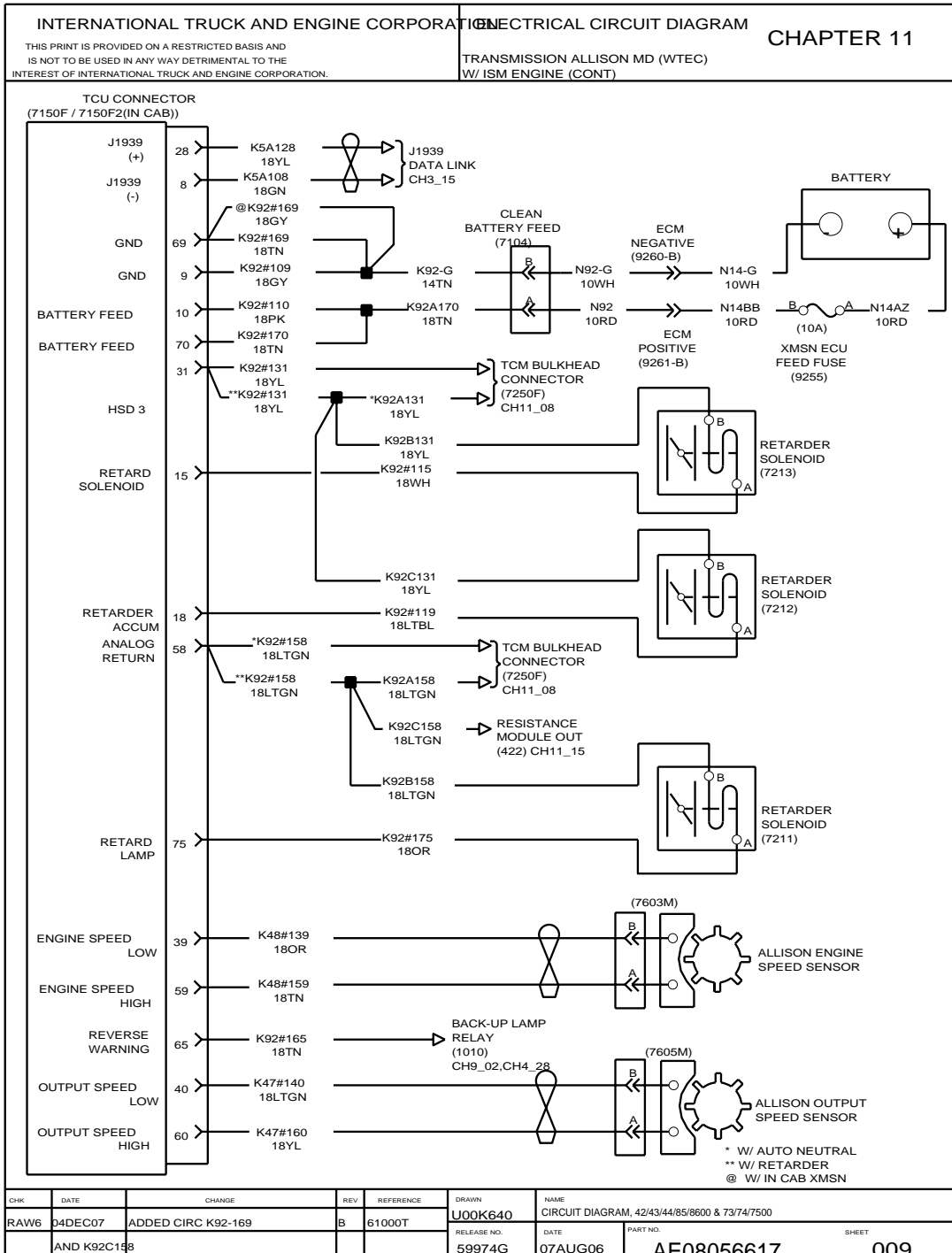


Figure 190 Transmission, Allison MD (WTEC) (ISM Engine)

11.11. TRANSMISSION, ALLISON MD (WTEC) (ISM ENGINE), P. 10

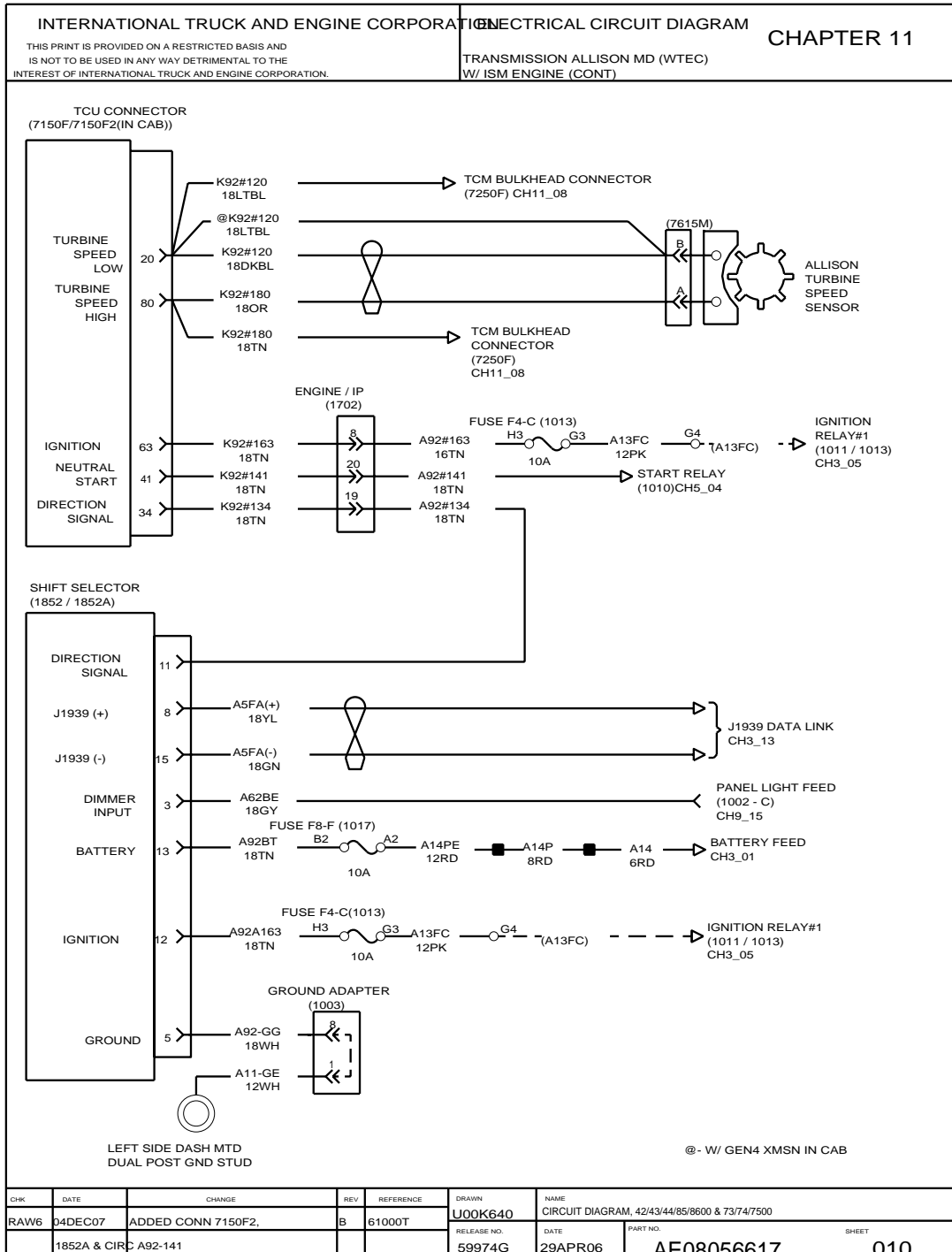


Figure 191 Transmission, Allison MD (WTEC) (ISM Engine) (Cont.)

11.12. EATON AUTOSHIFT TRANSMISSION W/ I6 ENGINE, P. 11

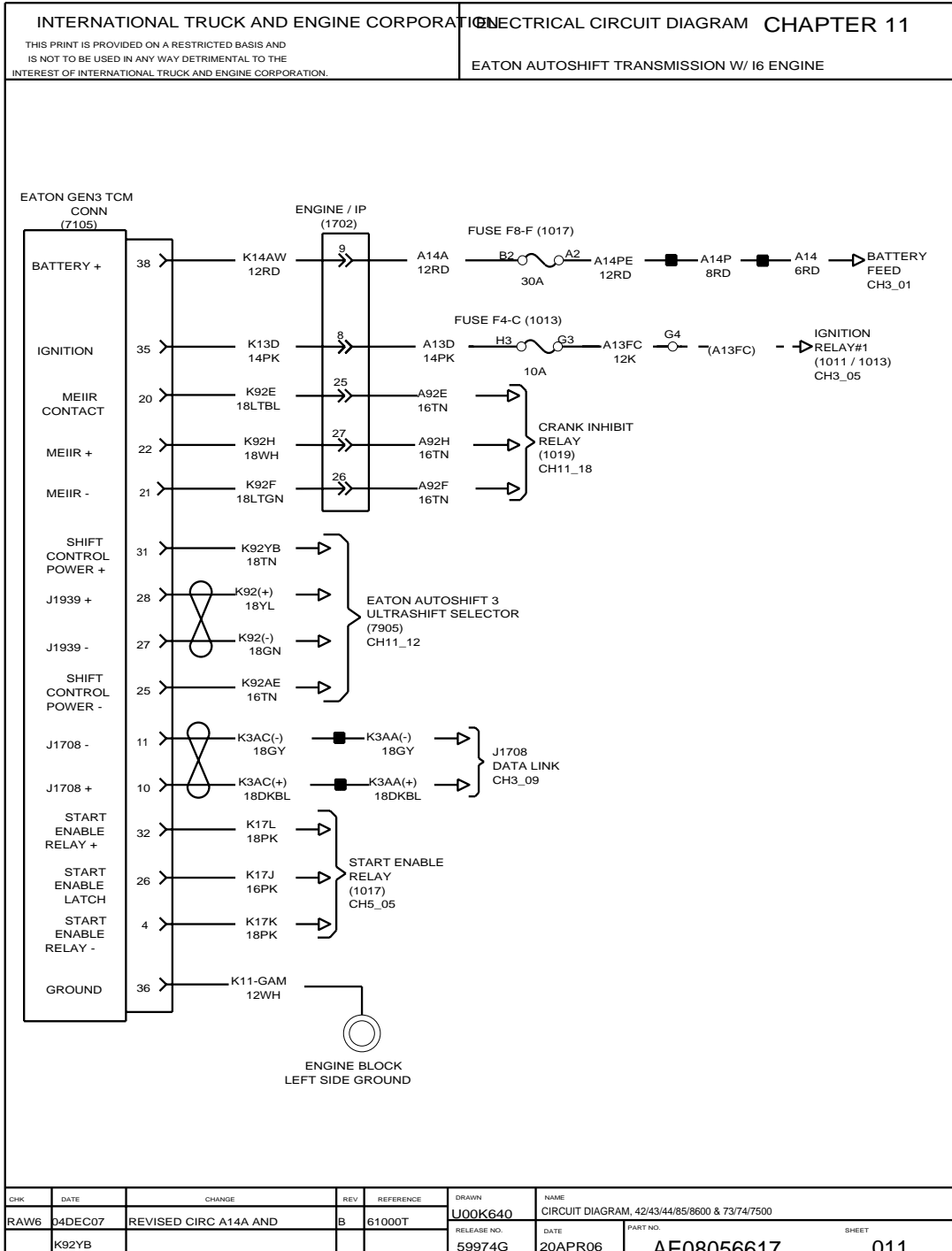


Figure 192 Eaton Autoshift Transmission W/ I6 Engine

11.13. EATON AUTOSHIFT TRANSMISSION, P. 12

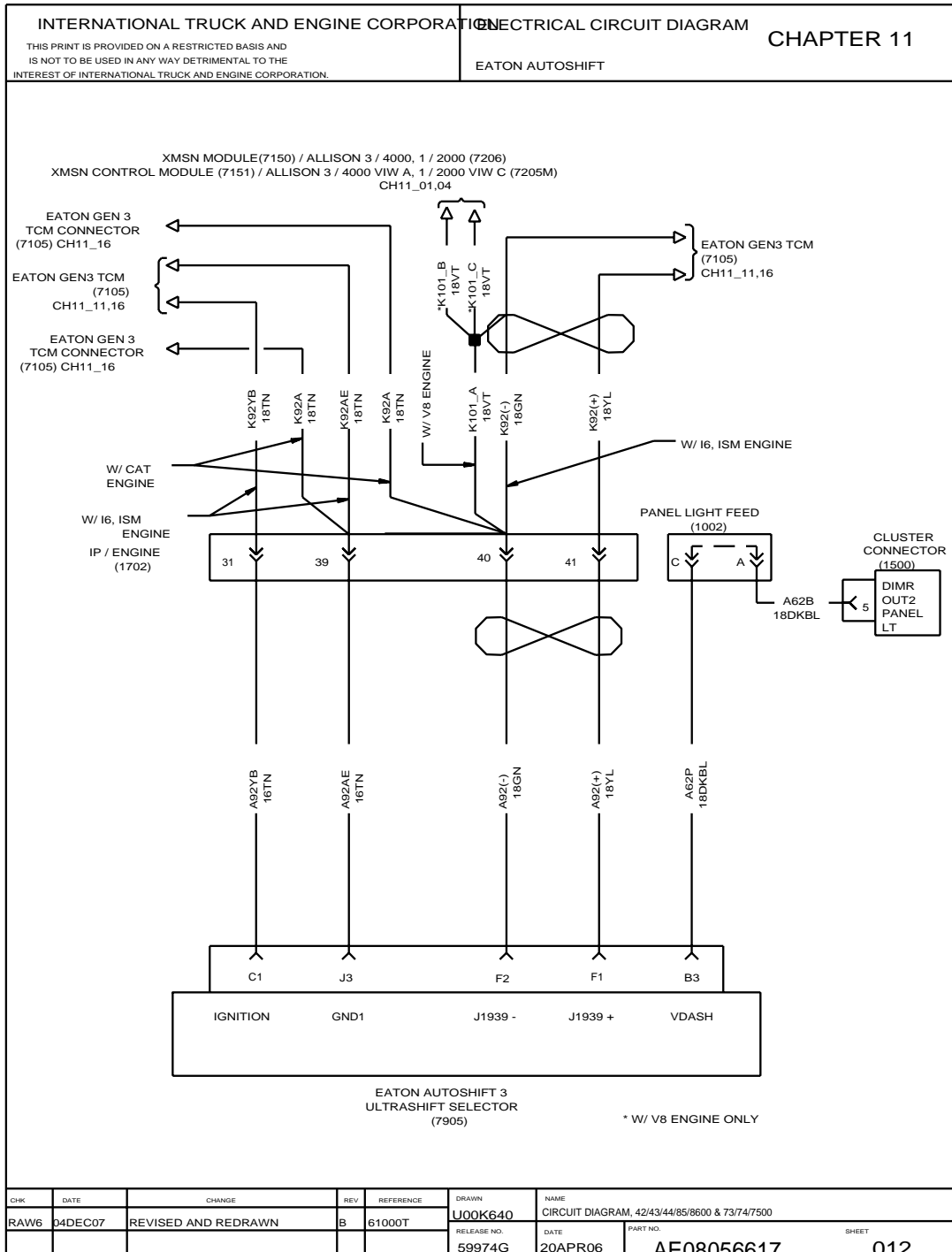


Figure 193 Eaton Autoshift Transmission

11.14. TRANSMISSION ALLISON MD (WTEC) W/ CAT ENGINE, P. 13

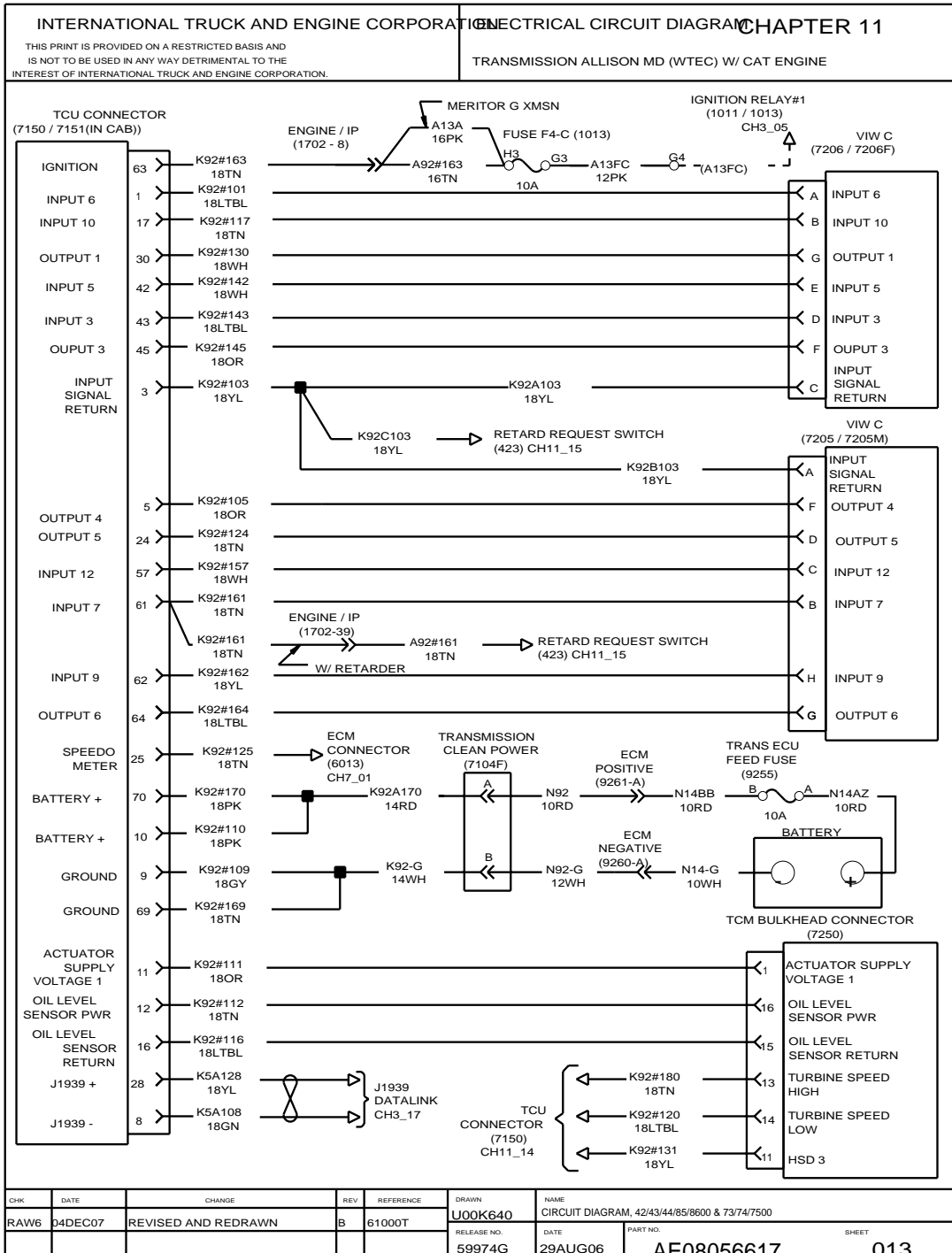


Figure 194 Transmission Allison MD (WTEC) W/ Cat Engine

11.15. TRANSMISSION ALLISON MD (WTEC) W/ CAT ENGINE, P. 14

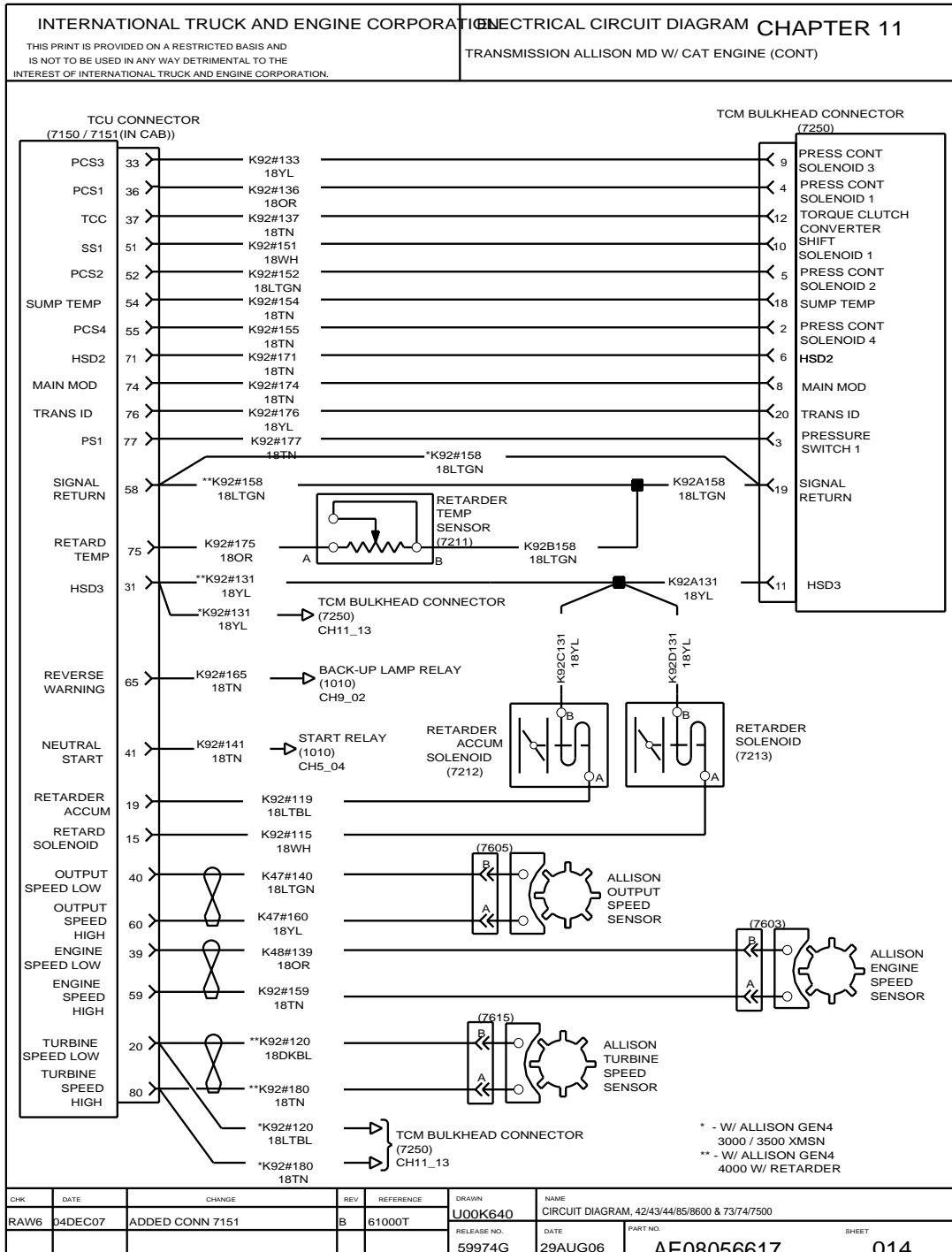


Figure 195 Transmission Allison MD (WTEC) W/ Cat Engine

11.16. TRANSMISSION RETARDER CONTROLS WIRING WITH MD TRANSMISSION HARD WIRED EFFECTS, P. 15

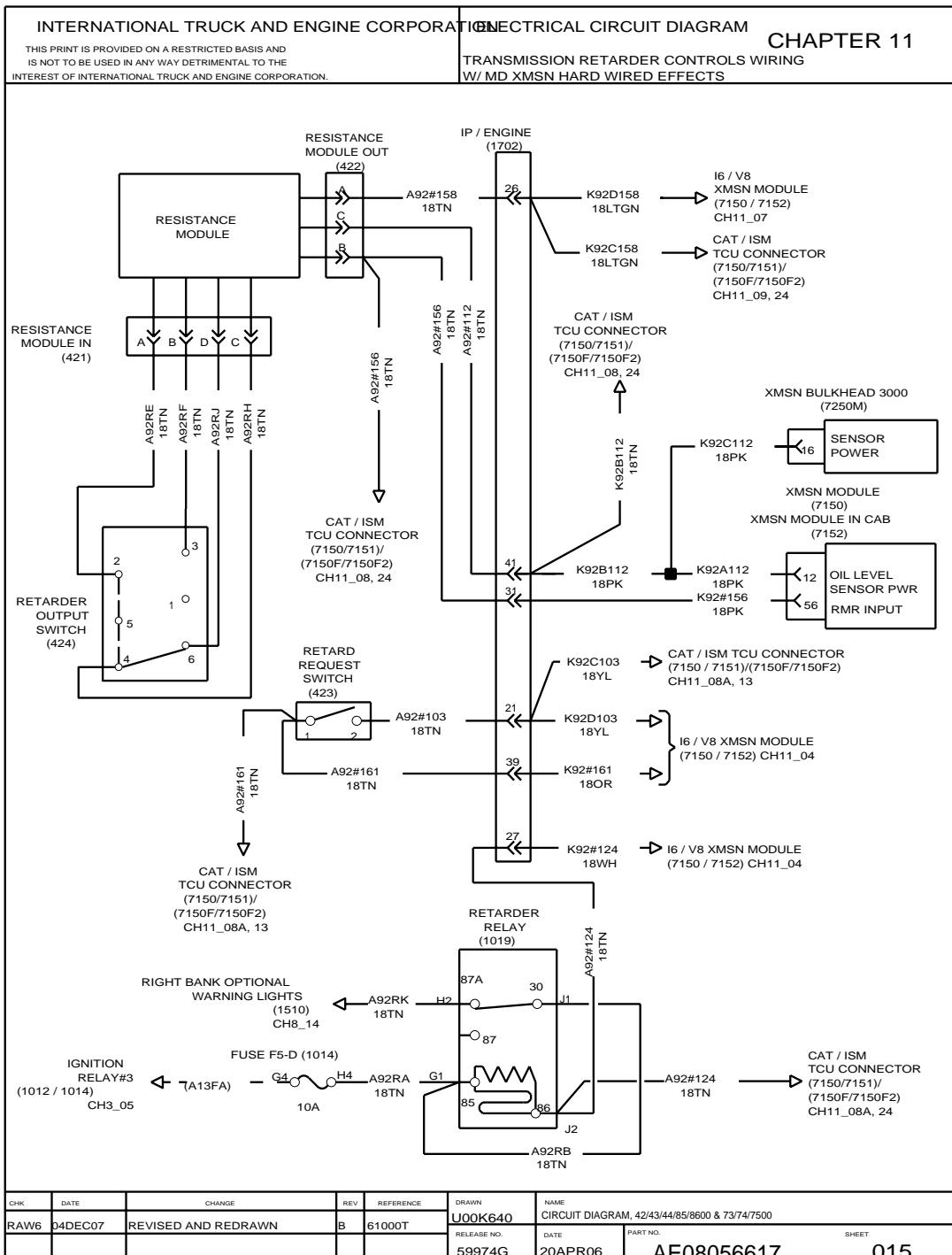


Figure 196 Transmission Retarder Controls Wiring with MD Transmission Hard Wired Effects

11.17. EATON AUTO AND ULTRASHIFT GEN 3 TRANSMISSION W/ CAT AND W/ ISM ENGINE, P. 16

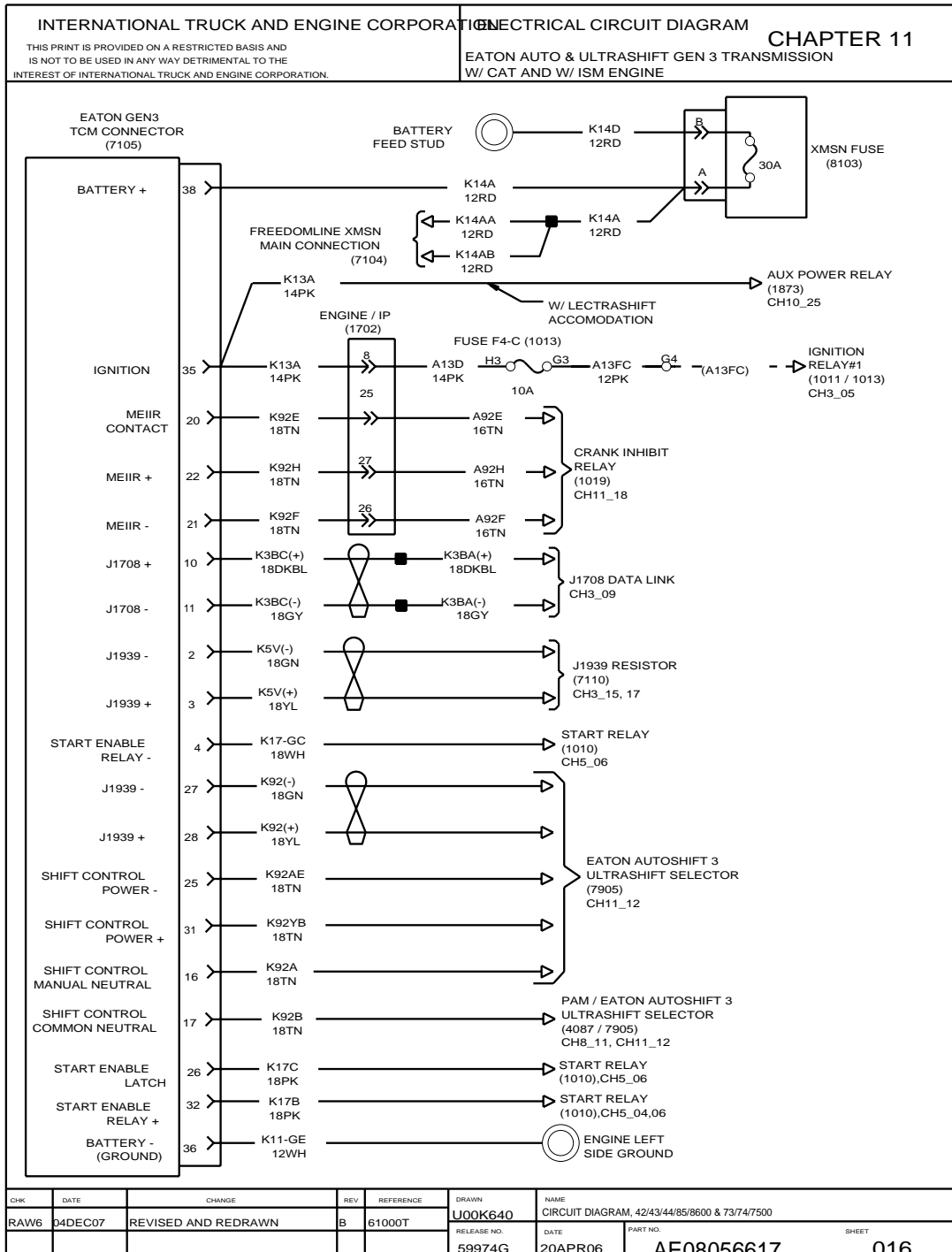


Figure 197 Eaton Auto and Ultrashift Gen 3 Transmission W/ Cat and W/ ISM Engine

11.18. ALLISON TRANSMISSION 3/4000 GEN 4 WITH AUTO NEUTRAL, P. 17

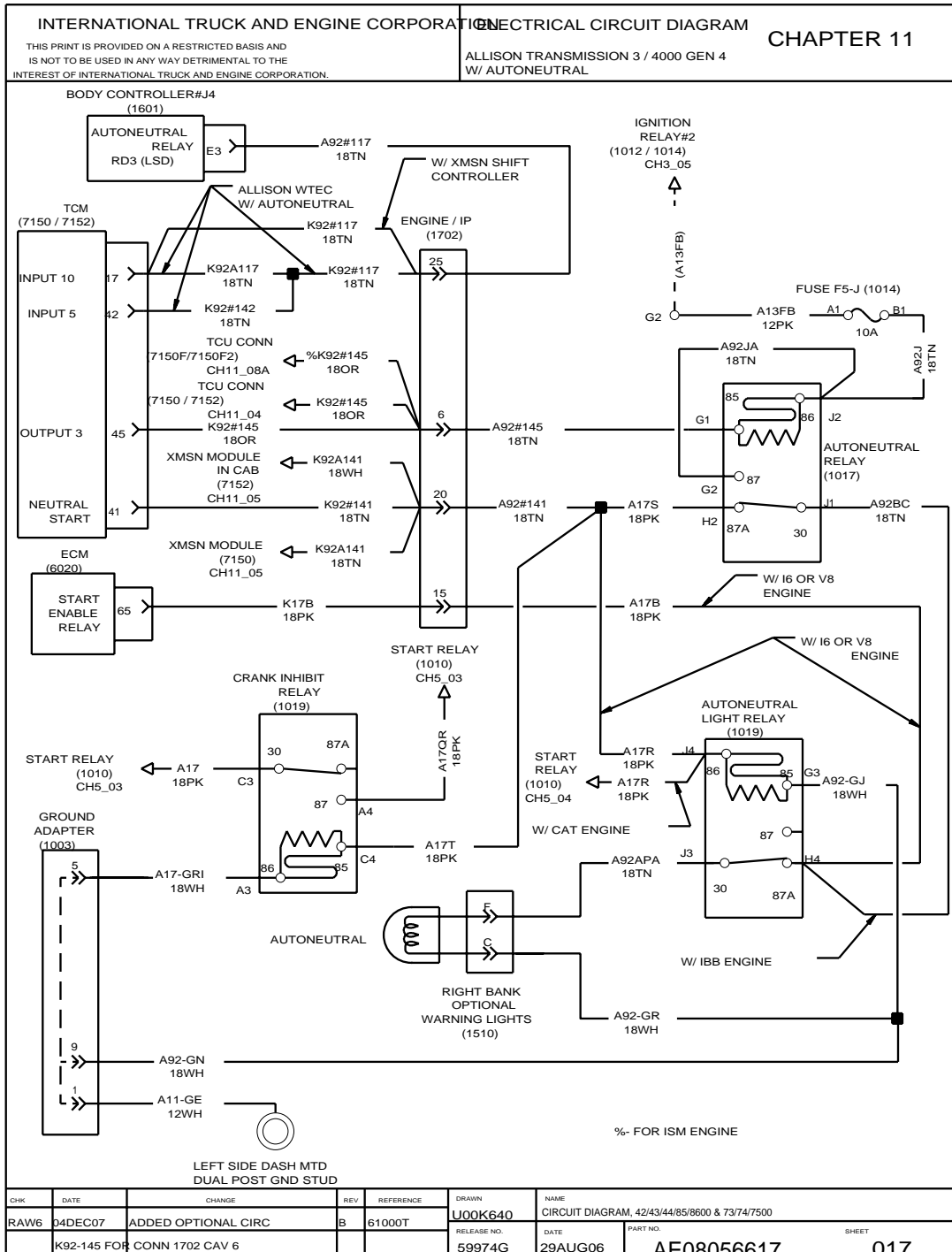


Figure 198 Allison Transmission 3/4000 Gen 4 With Auto Neutral

11.19. EATON ULTRASHIFT GEN 3 / MERITOR — G — MANUAL TRANSMISSION, P. 18

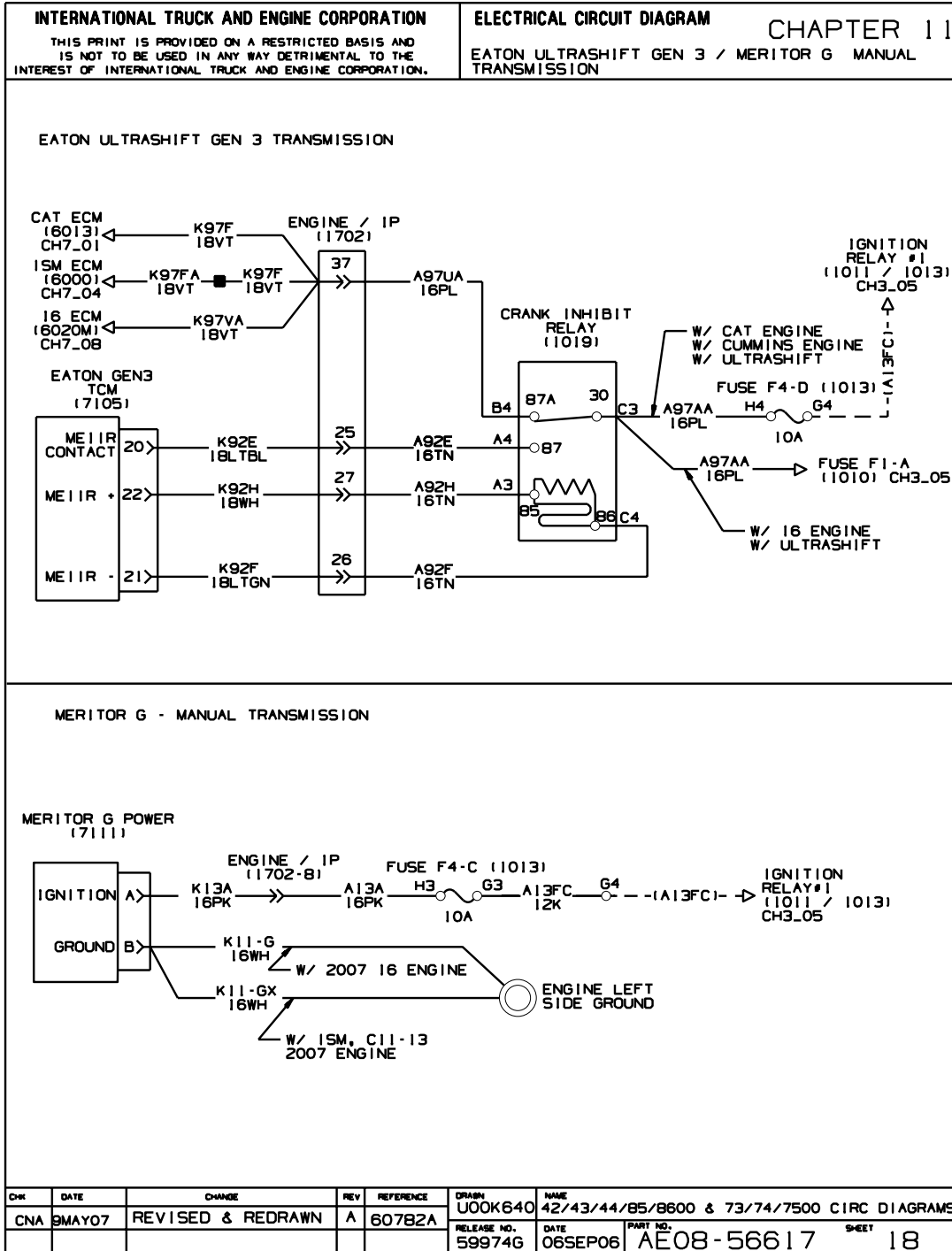


Figure 199 Eaton Ultrashift Gen 3 / Meritor — G — Manual Transmission

11.20. EATON HYBRID TRANSMISSION, P. 19

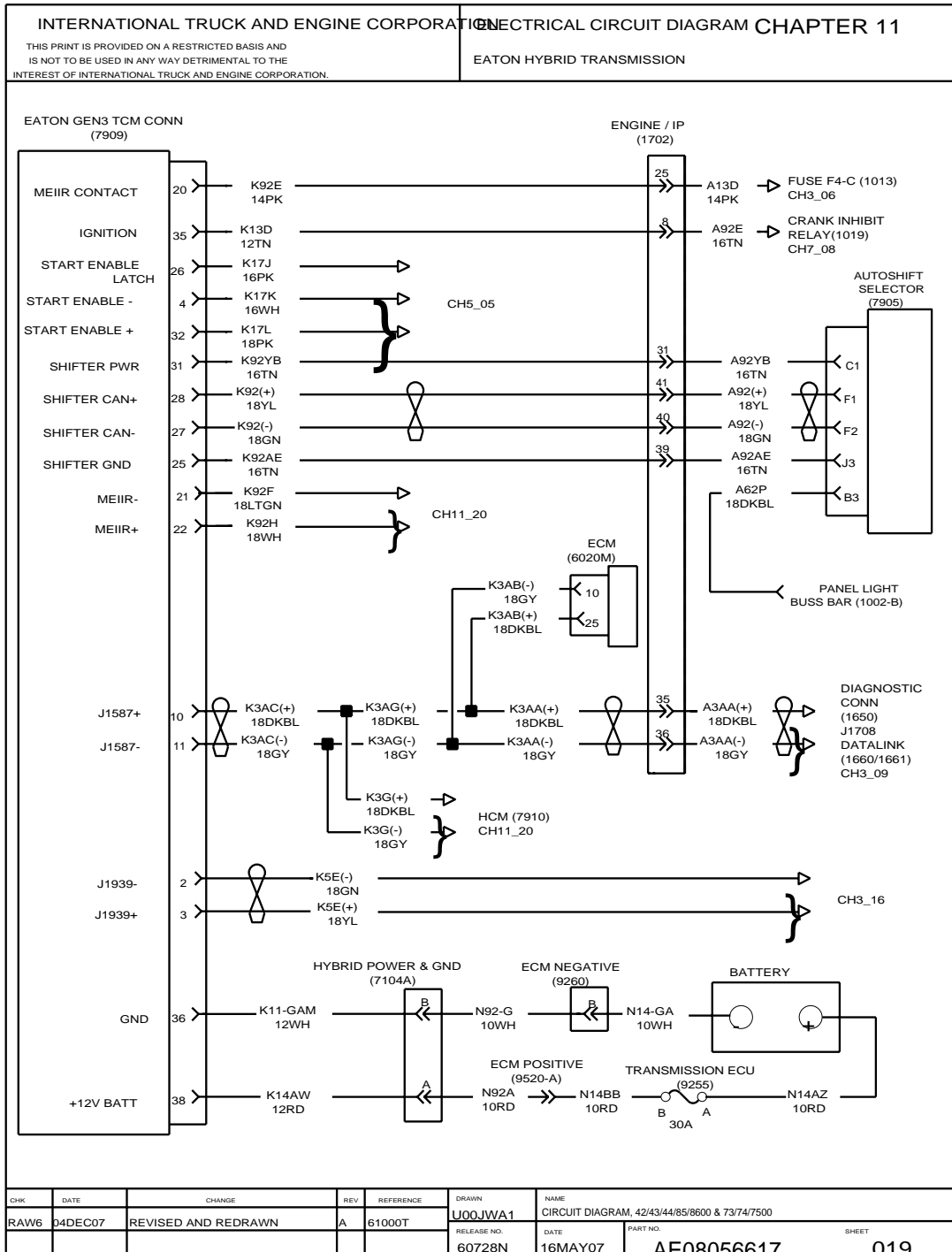


Figure 200 Eaton Hybrid Transmission

11.21. EATON HYBRID TRANSMISSION, P. 20

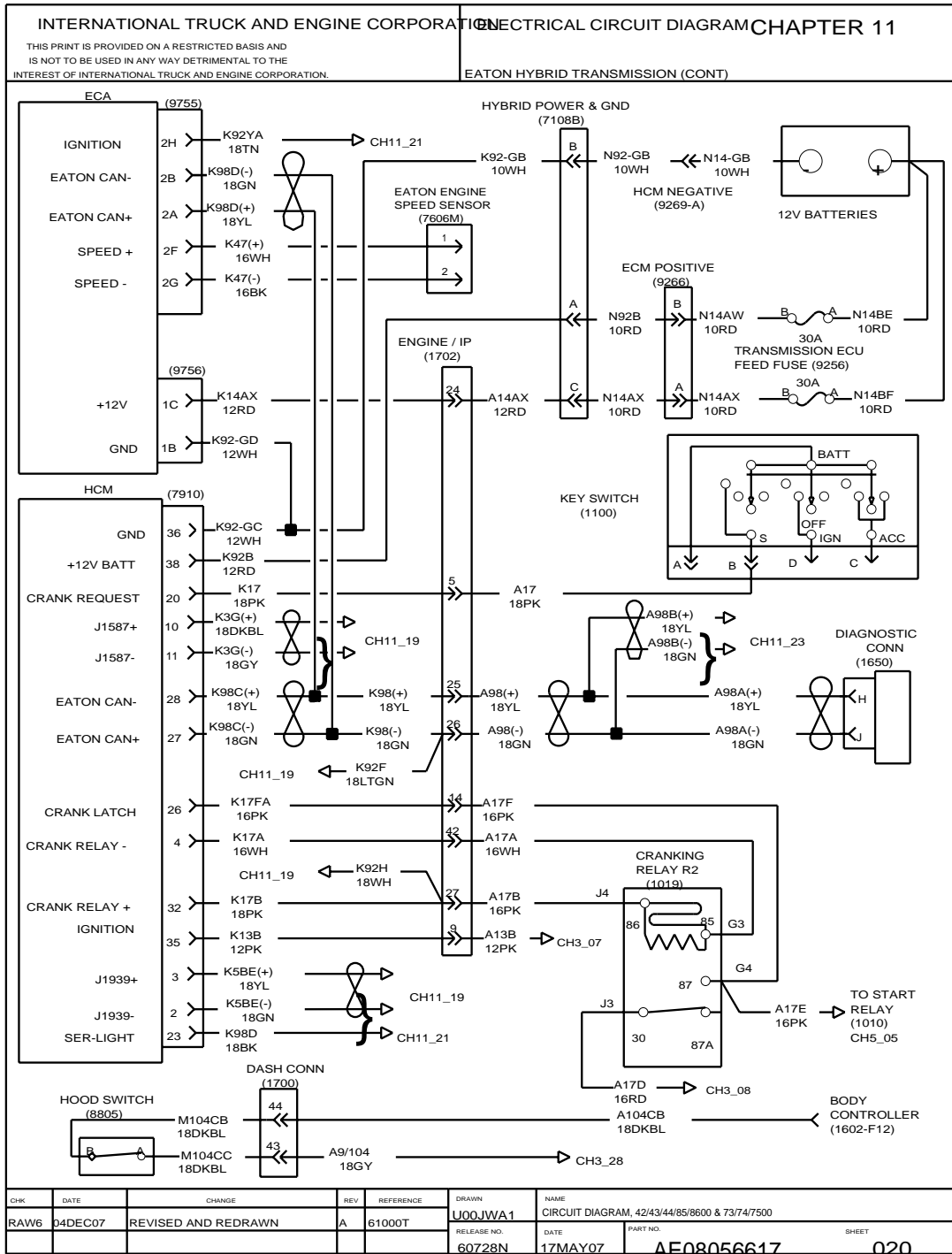


Figure 201 Eaton Hybrid Transmission

11.22. EATON HYBRID TRANSMISSION, P. 21

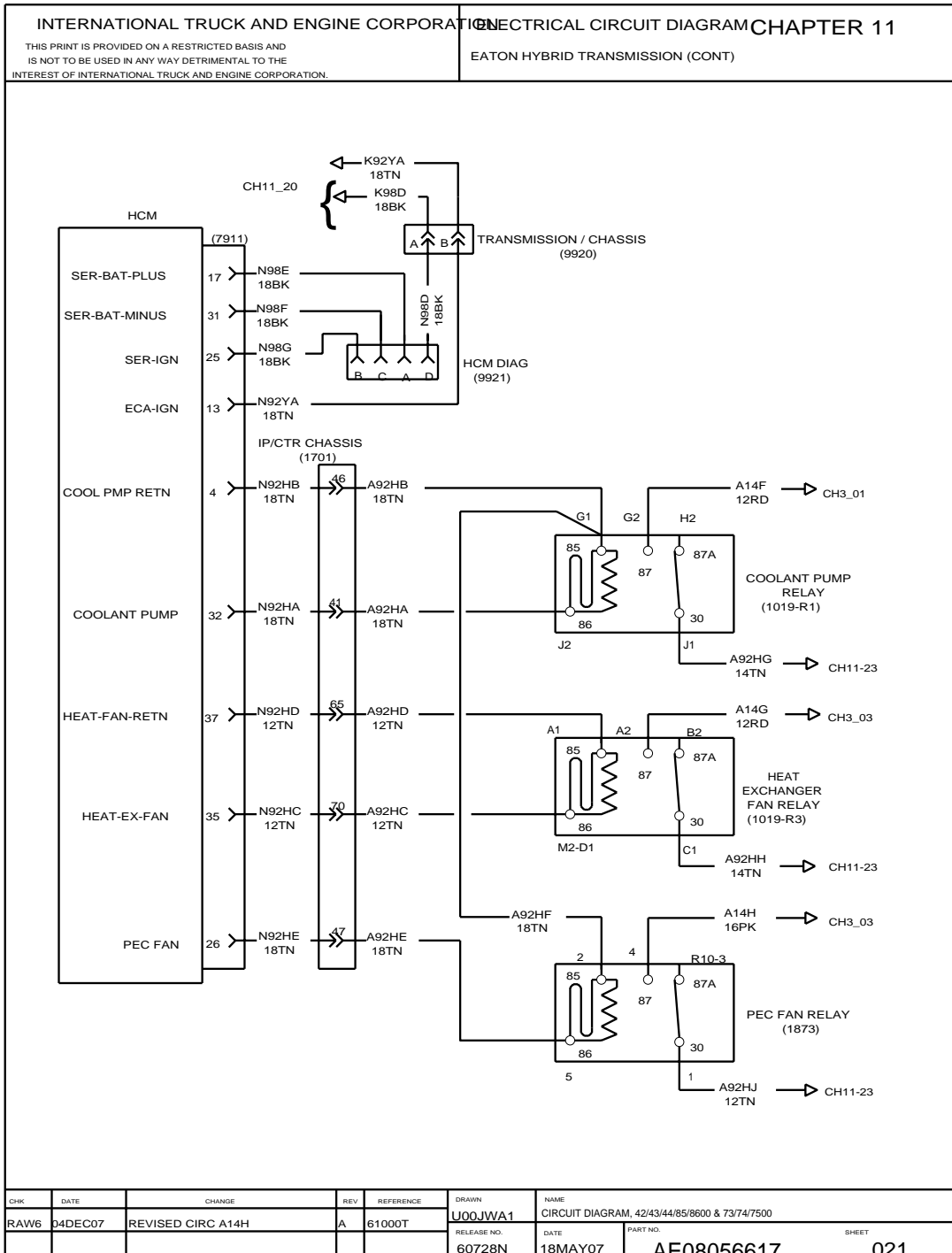


Figure 202 Eaton Hybrid Transmission

11.23. EATON HYBRID TRANSMISSION, P. 22

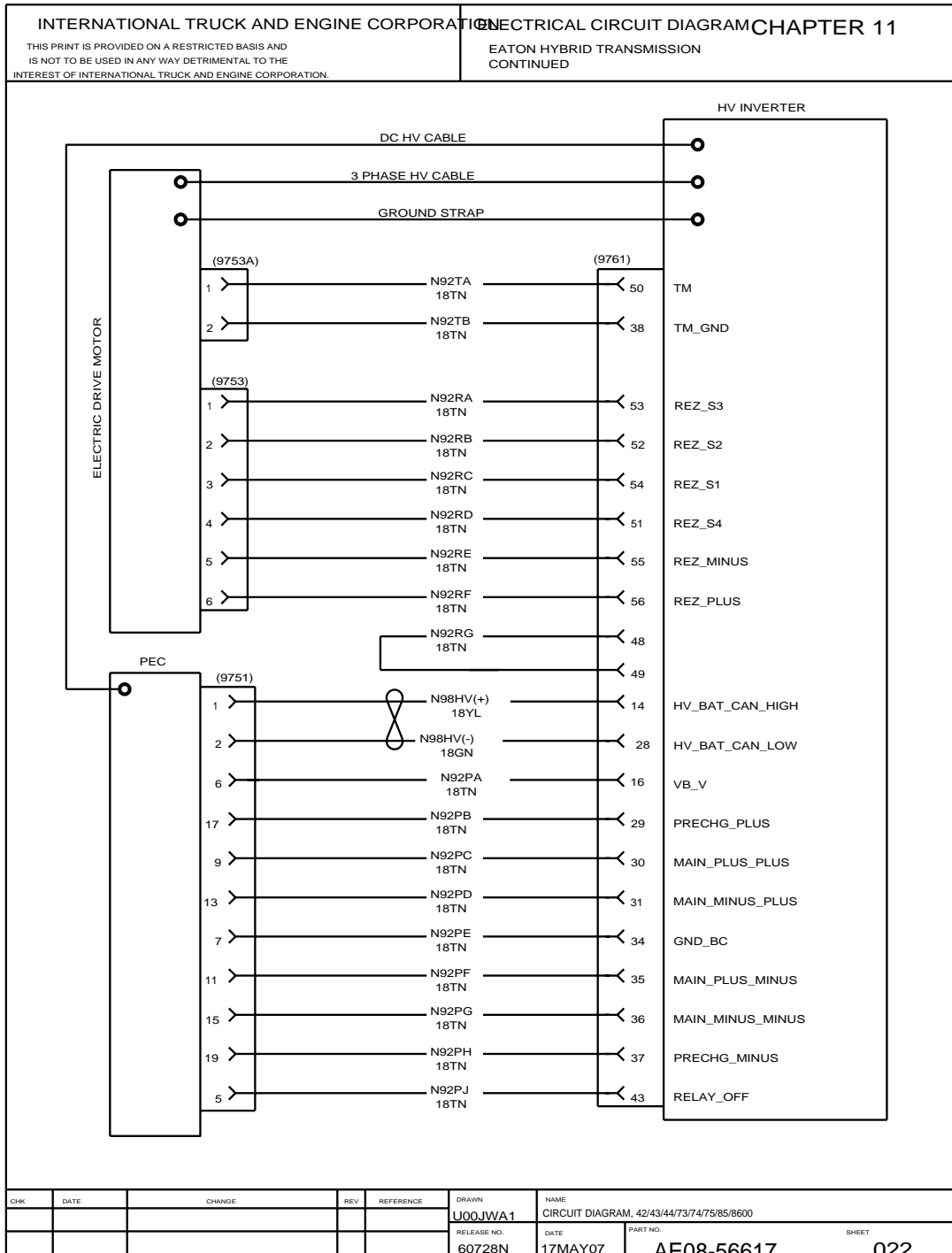


Figure 203 Eaton Hybrid Transmission

11.24. EATON HYBRID TRANSMISSION, P. 23

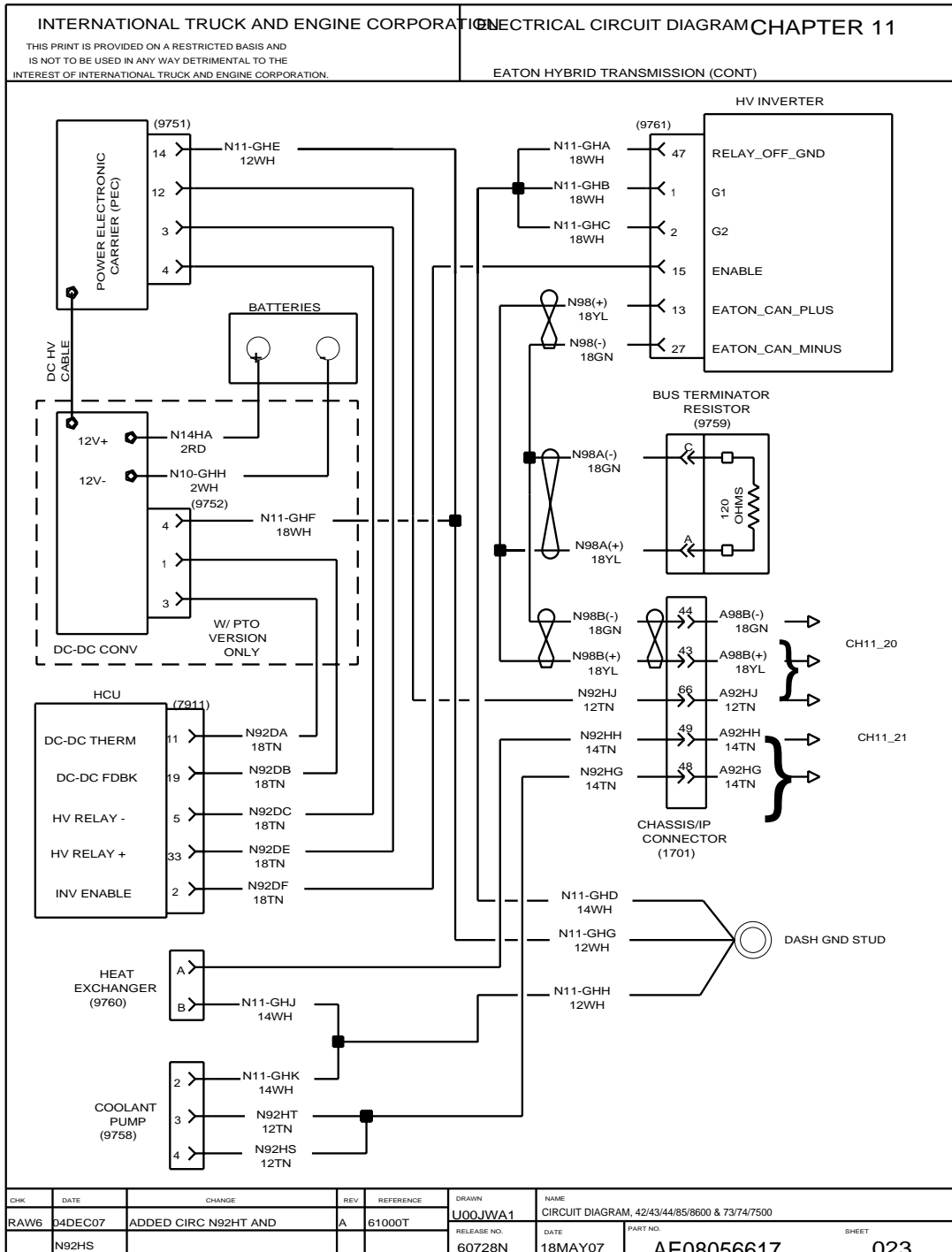


Figure 204 Eaton Hybrid Transmission

11.25. TRANSMISSION ALLISON MD (WTEC) WITH CAT ENGINE, P. 24

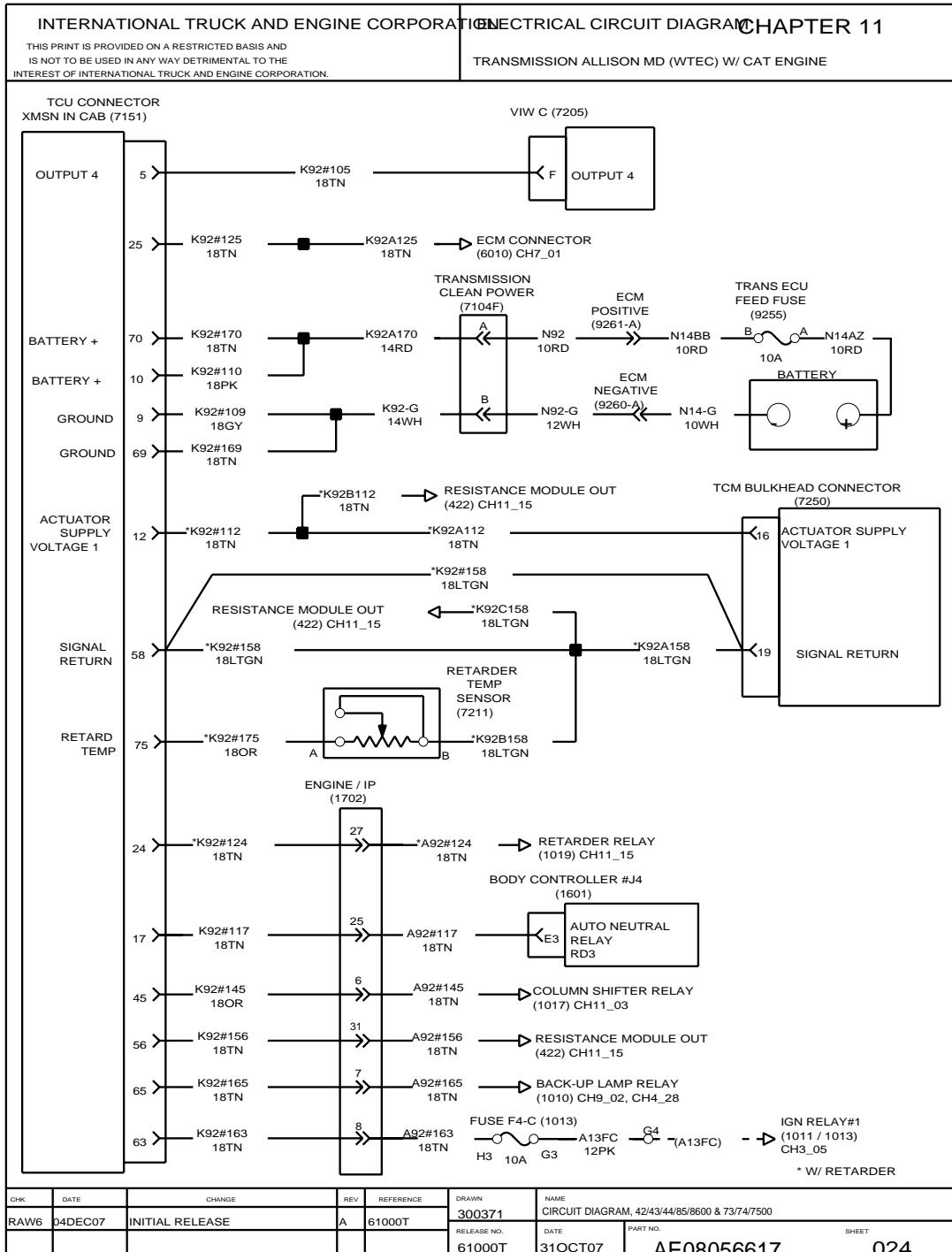


Figure 205 Transmission Allison MD (WTEC) with Cat Engine

11.26. FREEDOMLINE TRANSMISSION WITH CAT AND ISM ENGINE, P. 25

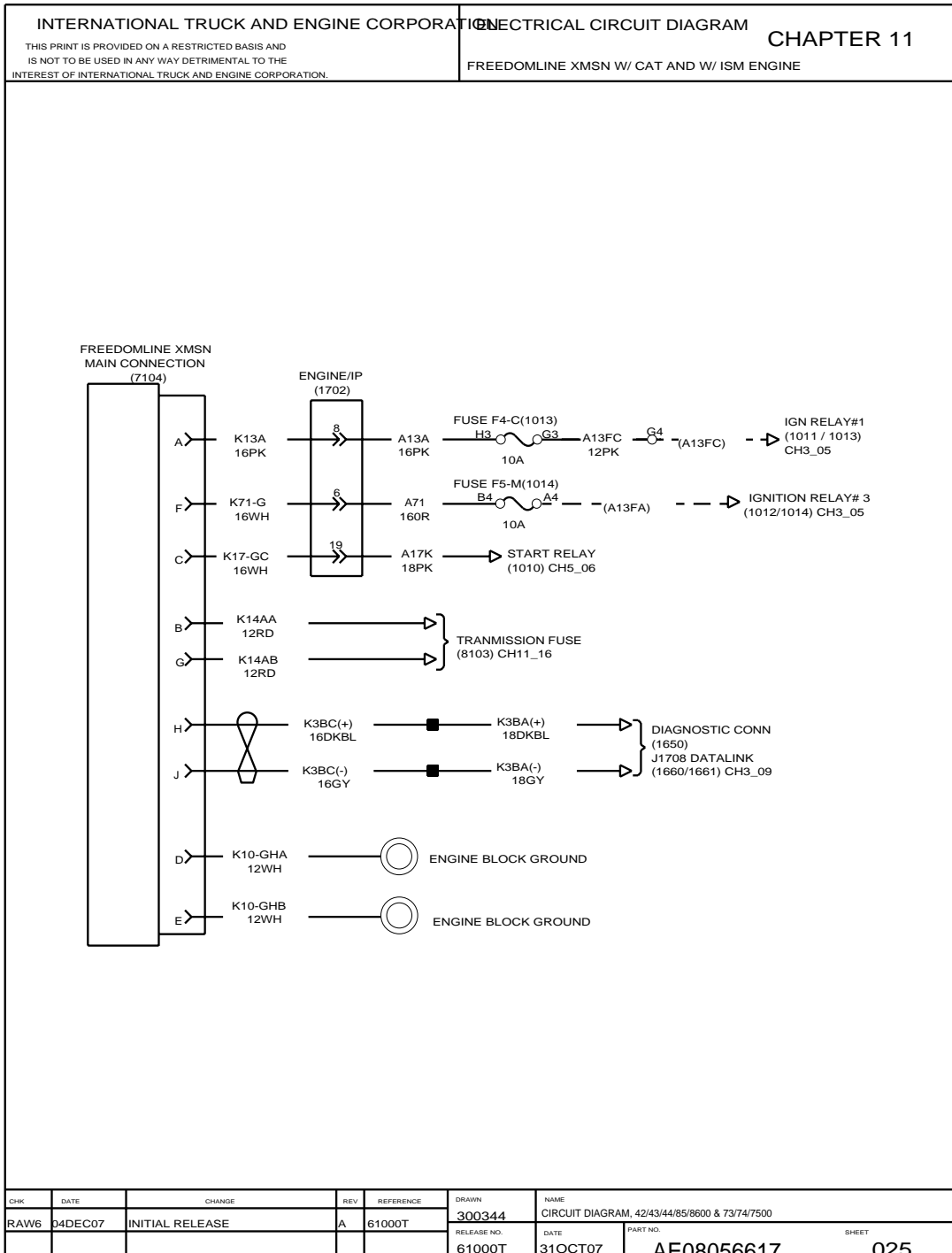


Figure 206 Freedomline Transmission with Cat and ISM Engine

12. AIR CONDITIONING (CHAPTER 12)

12.1. AIR CONDITIONING, P. 1

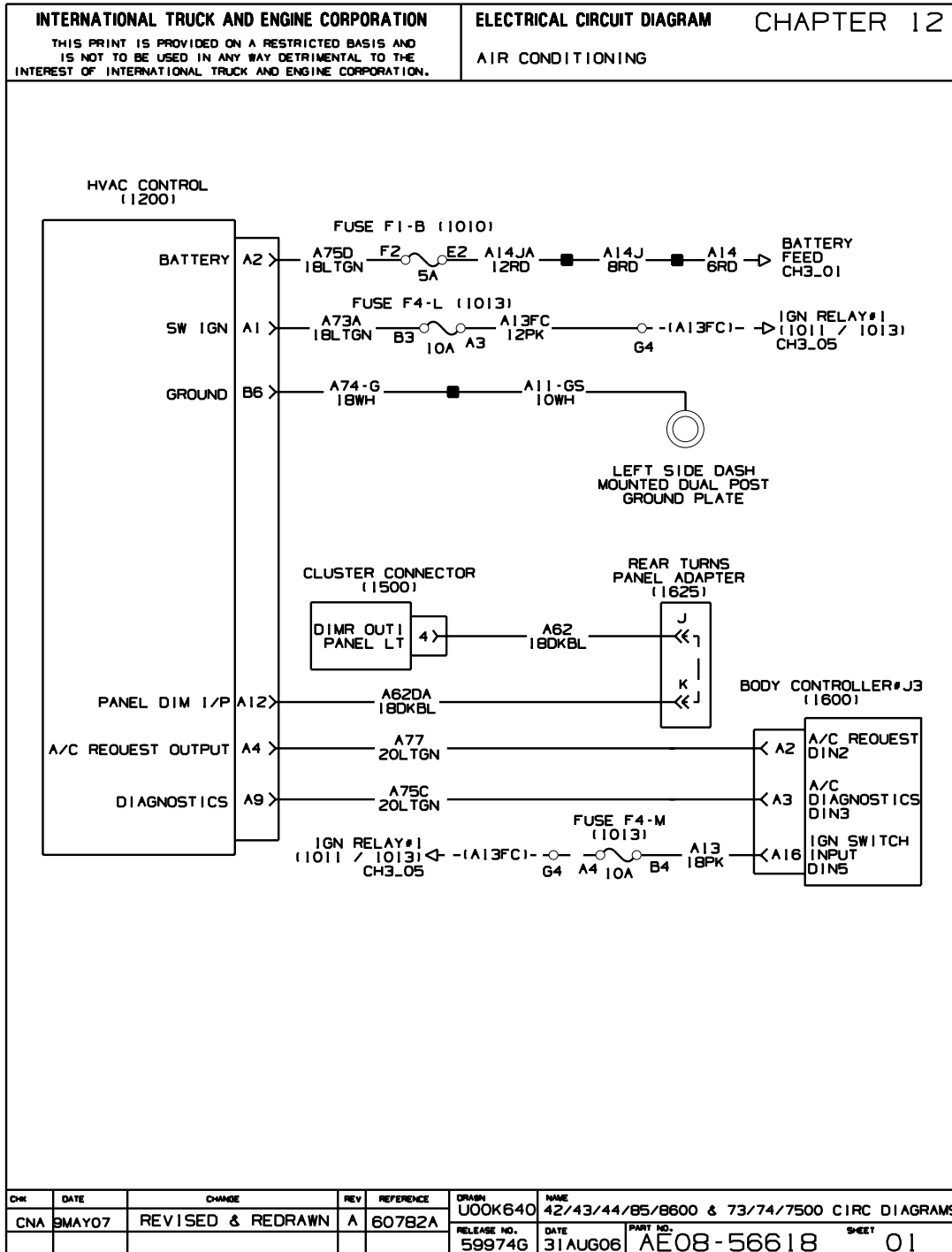


Figure 207 Air Conditioning

12.2. AIR CONDITIONING, P. 2

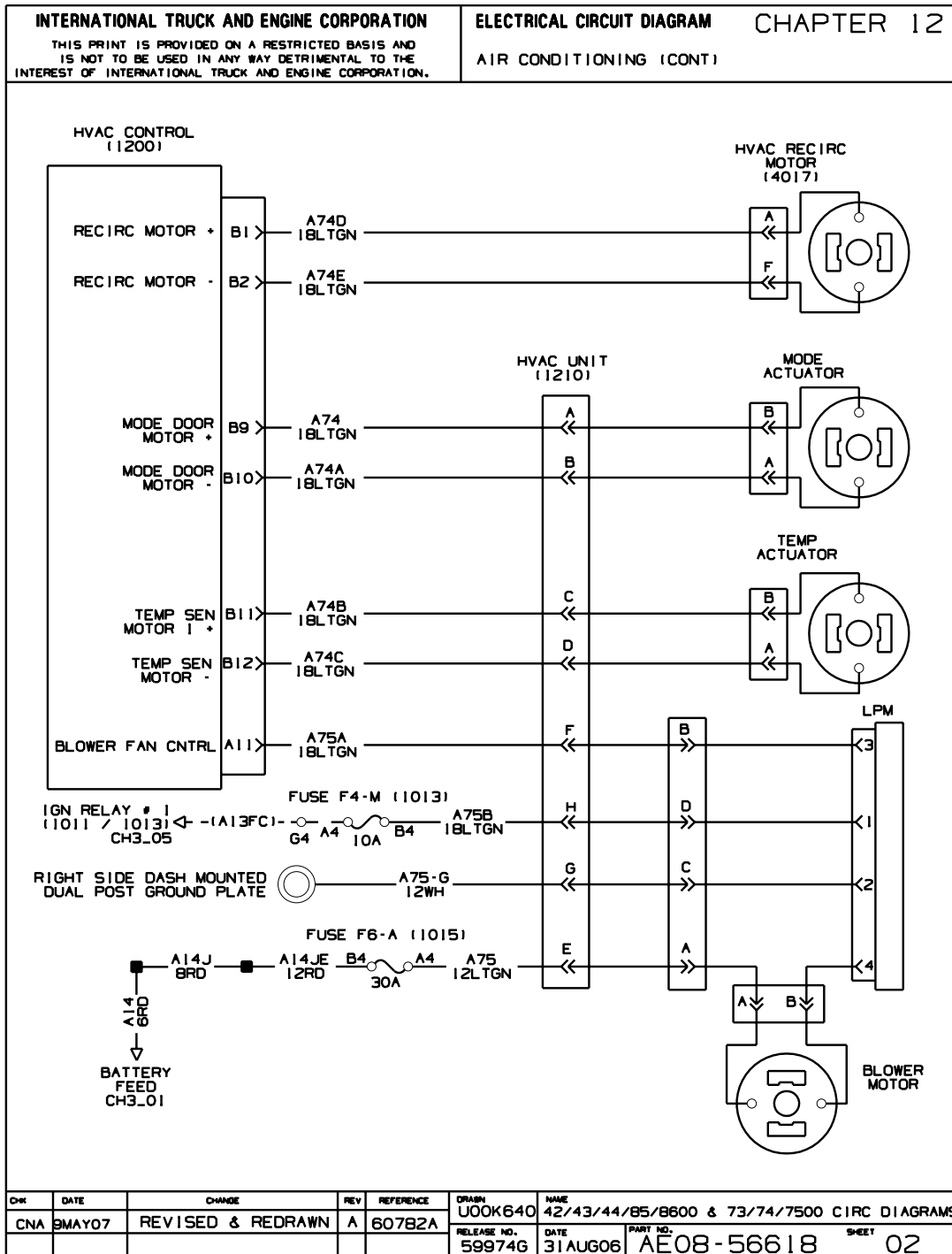


Figure 208 Air Conditioning (Cont.)

12.3. HVAC SYSTEM, P. 3

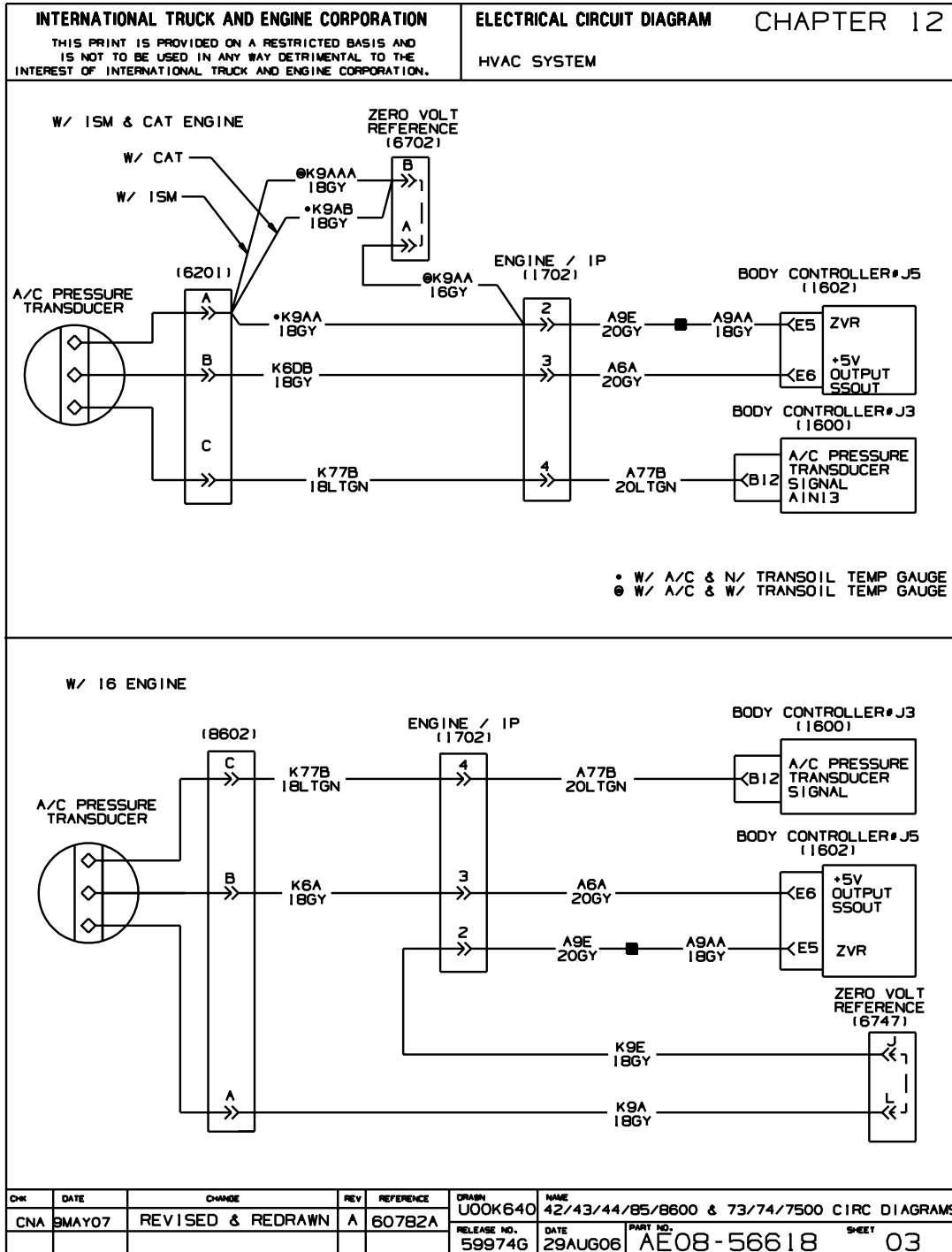


Figure 209 HVAC System

12.4. HVAC SYSTEM, P. 4

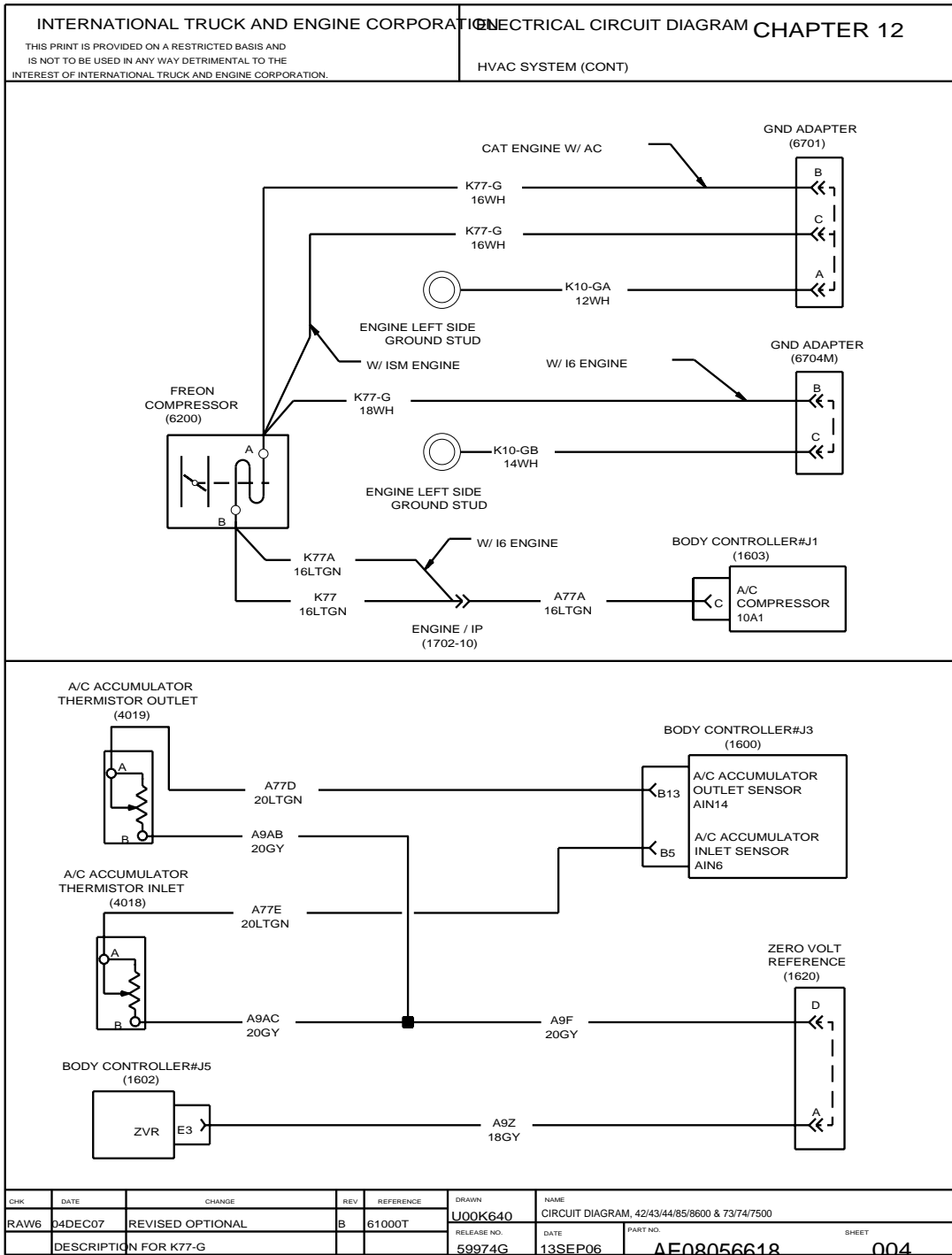


Figure 210 HVAC System (Cont.)

12.5. HVAC SYSTEM, P. 5

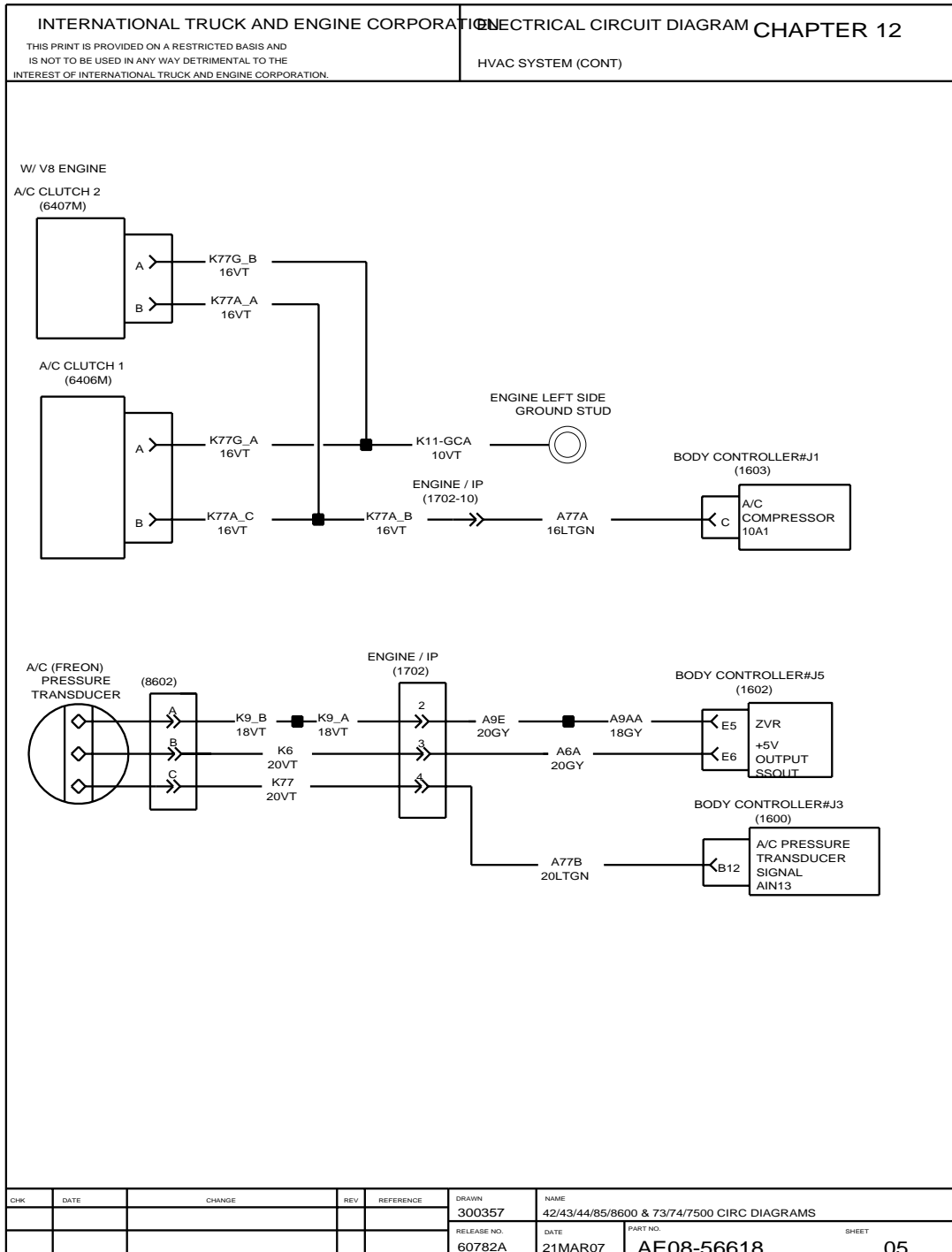


Figure 211 HVAC System (Cont.)

12.6. AUTOTHERM SYSTEM, P. 6

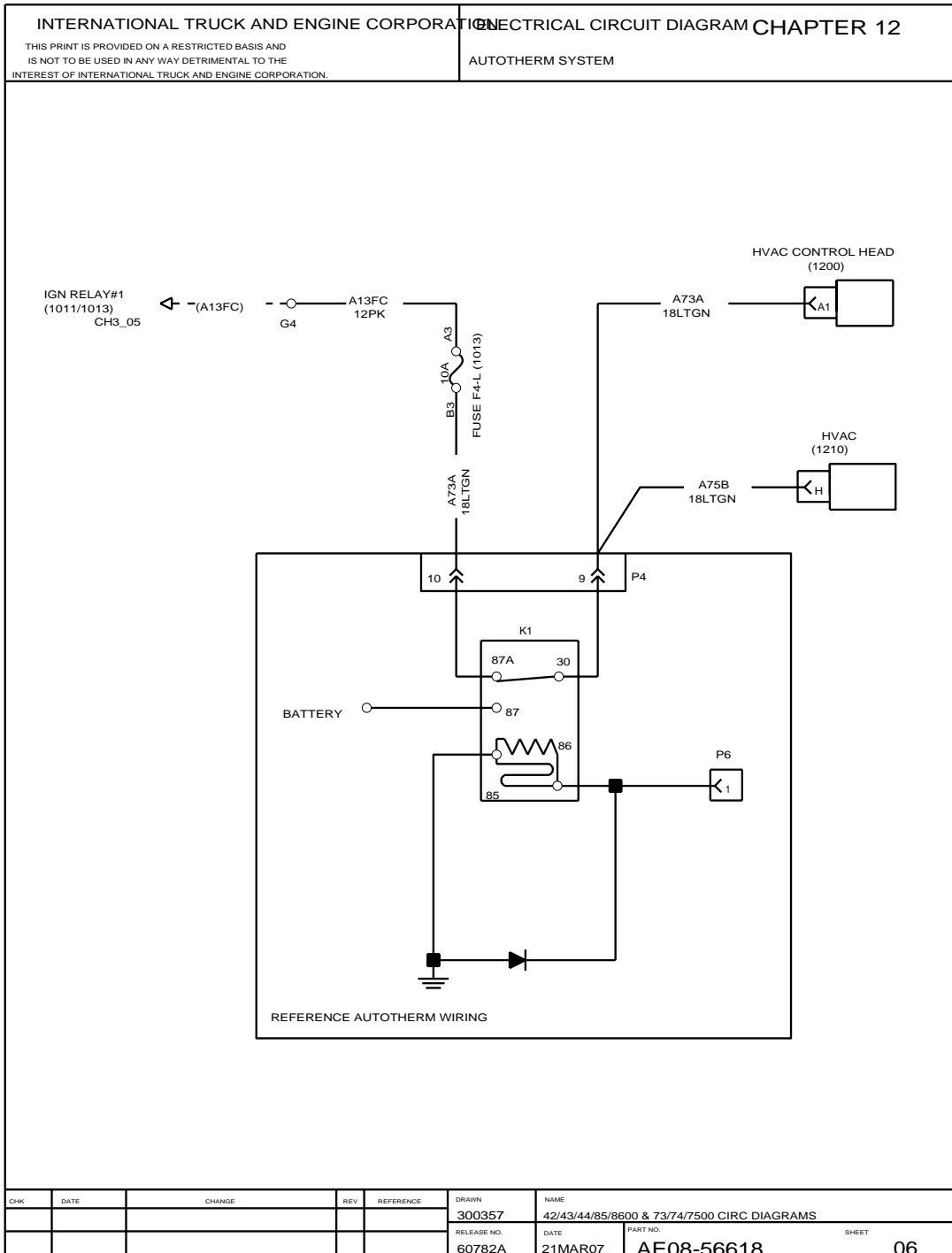


Figure 212 Autotherm System

13. CONNECTOR COMPOSITES (CHAPTER 13)

13.1. CONNECTOR COMPOSITES (1J), (2J), (71), P. 1

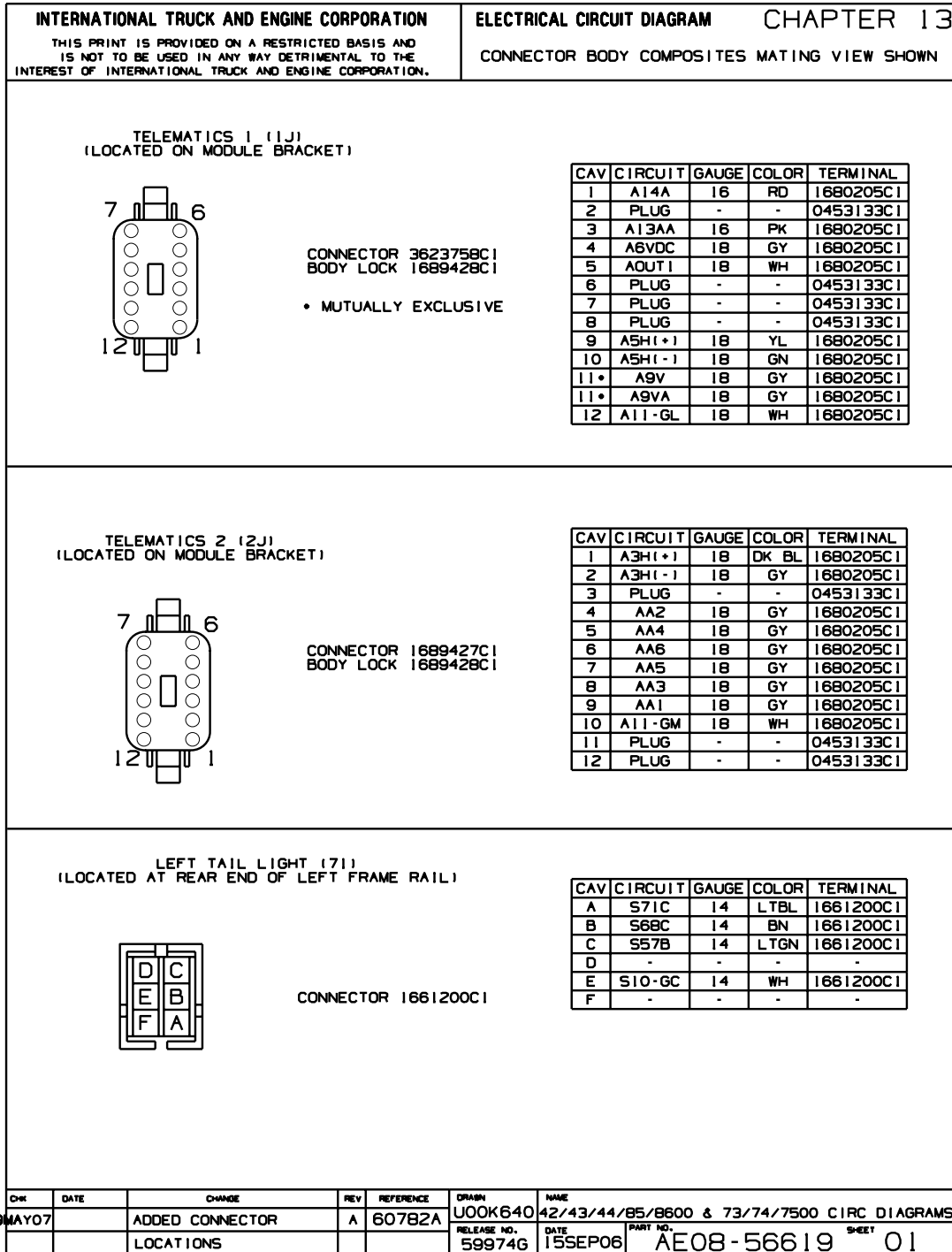


Figure 213 Connector Composites (1J), (2J), (71)

13.2. CONNECTOR COMPOSITES (72), (254F), (254M), (345), (400), P. 2

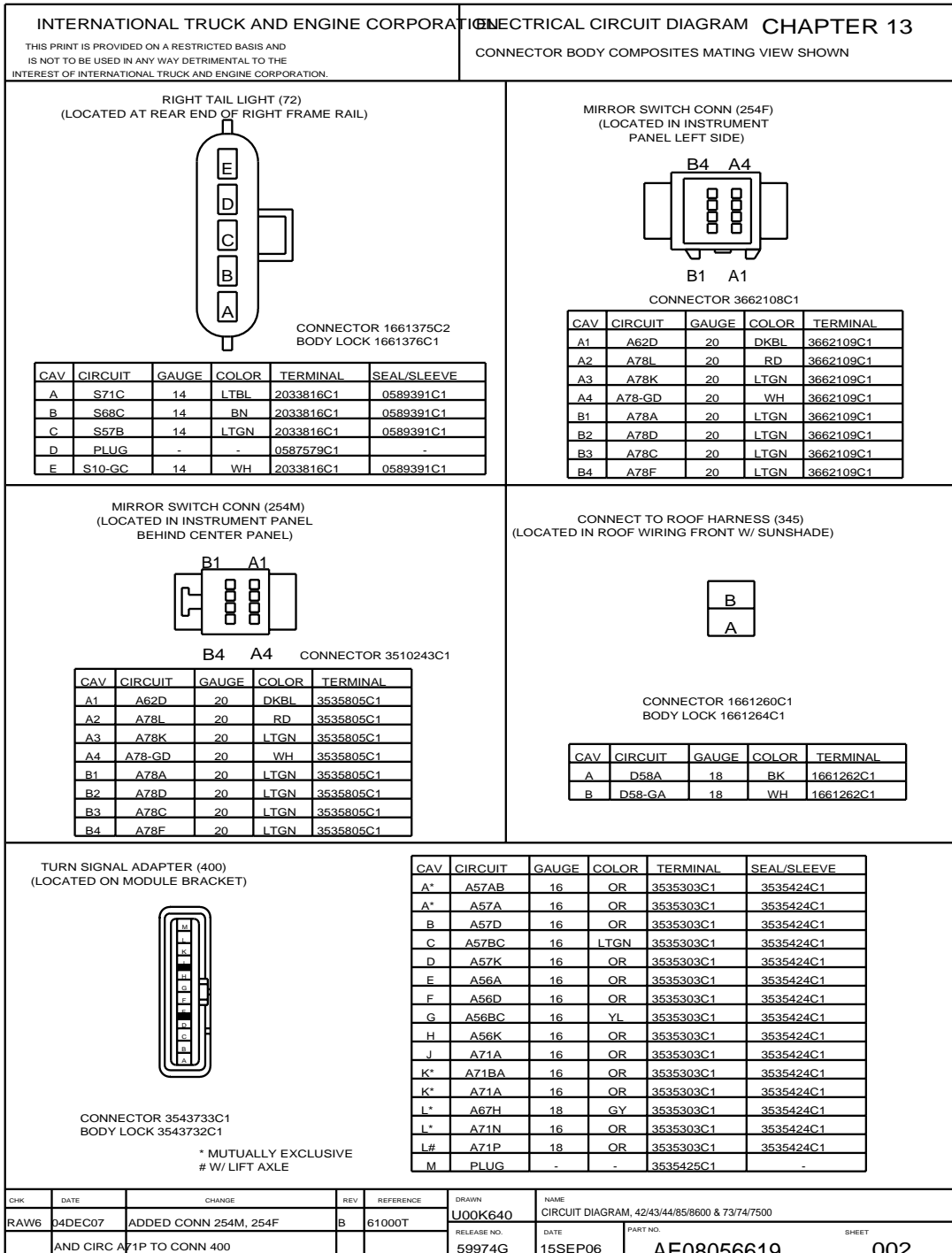


Figure 214 Connector Composites (72), (254F), (254M), (345), (400)

13.3. CONNECTOR COMPOSITES (421), (422), (422F), (423), (424), (425), P. 3

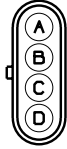
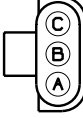
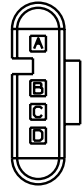
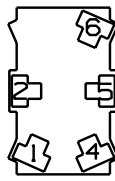
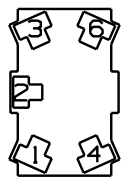
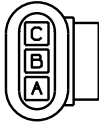
INTERNATIONAL TRUCK AND ENGINE CORPORATION				ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13							
THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF INTERNATIONAL TRUCK AND ENGINE CORPORATION.				CONNECTOR BODY COMPOSITES MATING VIEW SHOWN							
RESISTANCE MODULE IN (421) (LOCATED IN INSTRUMENT PANEL CENTER)				RESISTANCE MODULE OUT (422) (LOCATED IN INSTRUMENT PANEL CENTER)							
											
CONNECTOR 0587571C9I				CONNECTOR 3519221C9I							
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE	CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	A92RE	18	TN	0587578C1	3517771C1	A	A92#158	18	TN	0587576C1	3517771C1
B	A92RF	18	TN	0587578C1	3517771C1	B	A92#156	18	TN	0587576C1	3517771C1
C	A92RH	18	TN	0587578C1	3517771C1	C	A92#112	18	TN	0587576C1	3517771C1
D	A92RJ	18	TN	0587578C1	3517771C1						
LCT T HANDLE SHIFTER (422F) (LOCATED IN INSTRUMENT PANEL)				RETARD REQUEST SWITCH (423) (LOCATED IN INSTRUMENT PANEL CENTER)							
											
CONNECTOR 3540756C1 BODY LOCK 3540758C1				CONNECTOR 1673743C1							
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE	CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	A92A163	16	TN	1661875C1	1661872C1	1	A92#161	18	TN	1661224C1	
B	A92D	18	TN	1661875C1	3568570C1	2	A92#103	18	TN	1661224C1	
C	A92#142	18	TN	1661875C1	3568570C1	4	-	-	-	-	-
D	A92#103	18	TN	1661875C1	3568570C1	5	-	-	-	-	-
D*	A92A103	18	TN	1661875C1	3568570C1	6	-	-	-	-	-
• MUTUALLY EXCLUSIVE				• MUTUALLY EXCLUSIVE							
RETARDER OUTPUT SWITCH (424) (LOCATED IN INSTRUMENT PANEL CENTER)				FELSTED SHIFTER PARK BRAKE (425) (LOCATED IN INSTRUMENT PANEL CENTER)							
											
CONNECTOR 1687783C1				CONNECTOR 1667741C1 BODY LOCK 1667771C1							
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE	CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
1	-	-	-	-	-	A	A92-GG	18	WH	1661875C1	3568570C1
2	A92RE	18	TN	1661224C1		B	A44L	18	GY	1661875C1	3568570C1
3	A92RF	18	TN	1661224C1		C	A92AG	18	TN	1661875C1	3568570C1
4	A92RH	18	TN	1661224C1							
6	A92RJ	18	TN	1661224C1							
CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME					
0	MAY07	REVISED & REDRAWN	A	60782A	UOOK640	42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS					
					RELEASE NO.	DATE	PART NO.	SHEET			
					59974G	15SEP06	AE08-56619	03			

Figure 215 Connector Composites (421), (422), (422F), (423), (424), (425)

13.4. CONNECTOR COMPOSITES (520), (521), (522), (523), (524), (827), P. 4

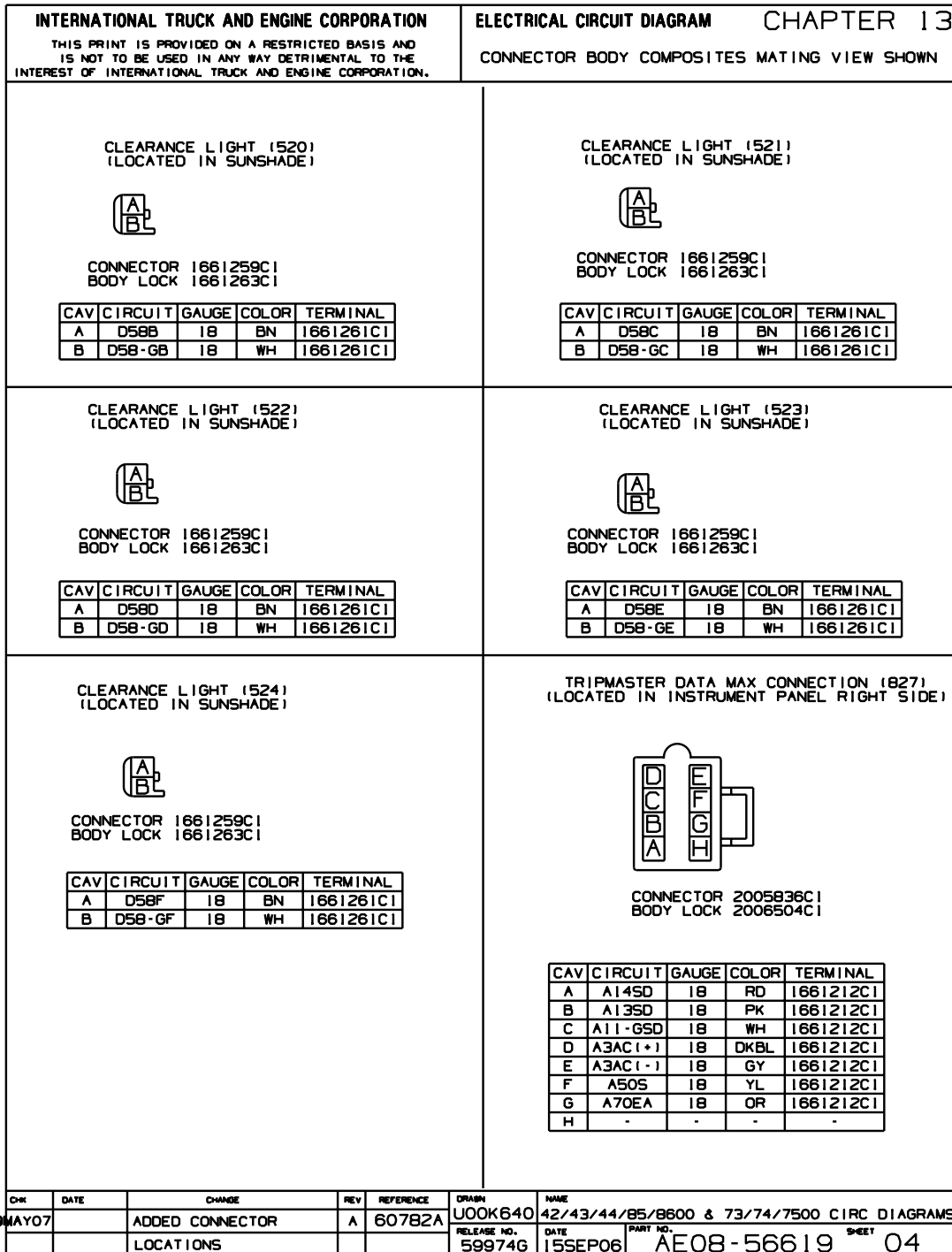


Figure 216 Connector Composites (520), (521), (522), (523), (524), (827)

13.5. CONNECTOR COMPOSITES (830), (1002), (1003), (1006), P. 5

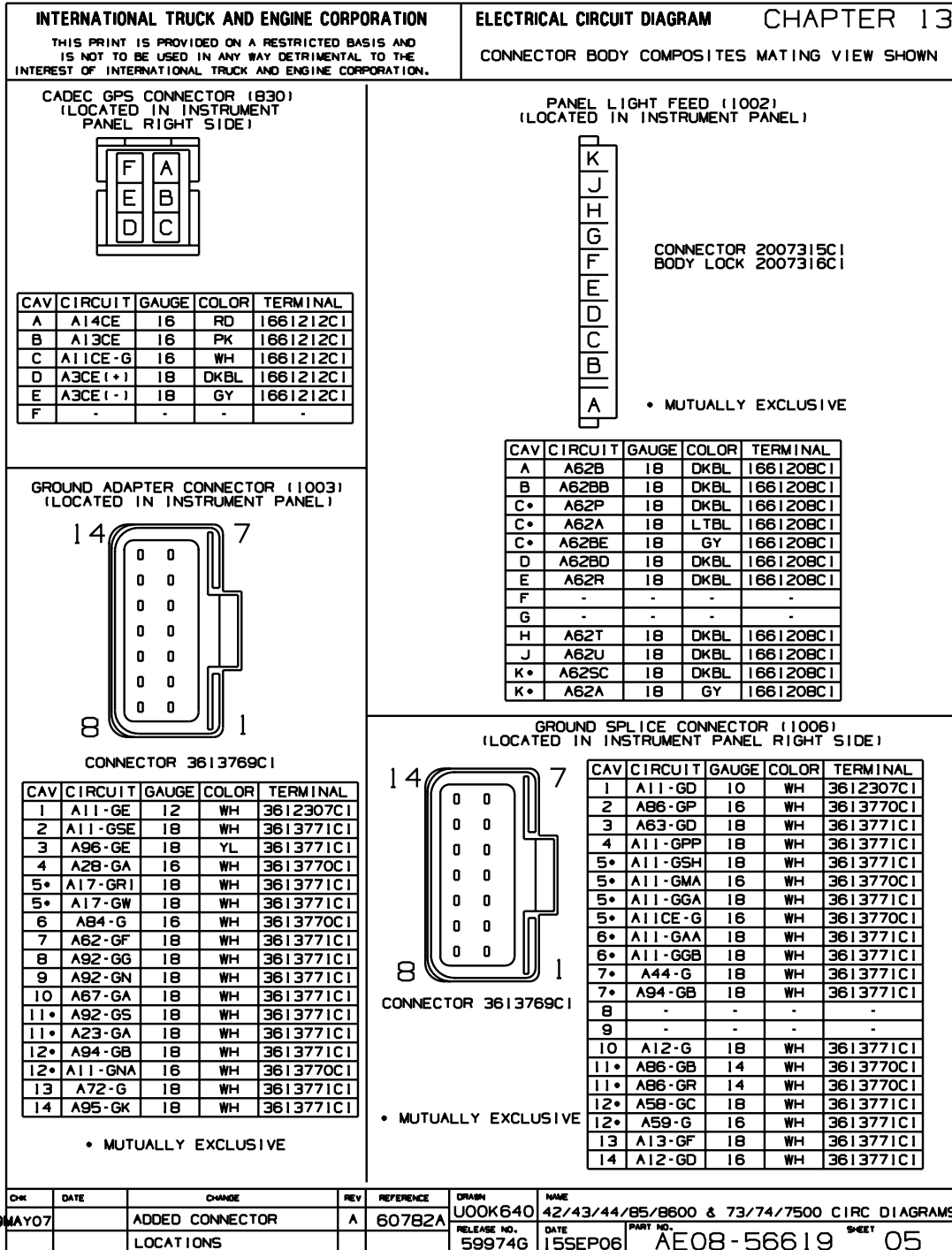
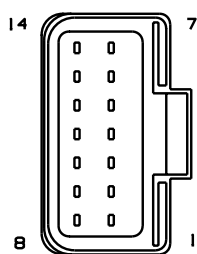


Figure 217 Connector Composites (830), (1002), (1003), (1006)

13.6. CONNECTOR COMPOSITES (1008), (1009), P. 6

<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 13</p> <p>CONNECTOR BODY COMPOSITES MATING VIEW SHOWN</p>
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GROUND ADAPTER (1008)
(LOCATED IN INSTRUMENT PANEL RIGHT SIDE)

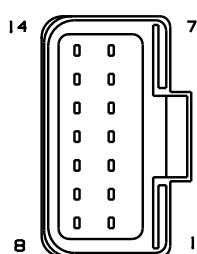


CONNECTOR 3613769C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	A11-G	10	WH	3612307C1
2*	A11-GC	14	GY	3613770C1
2*	A11-GX	18	WH	3613771C1
2*	A62-GT	18	WH	3613771C1
3	A96-G	18	YL	3613771C1
4	A37-GA	18	WH	3613771C1
5	A78-GA	16	WH	3613770C1
6	A78-GB	16	WH	3613770C1
7	A19-GB	18	WH	3613771C1
8	A11-GH	16	WH	3613770C1
9	A67-G	16	WH	3613770C1
10	-	-	-	-
11*	A12-GR	18	WH	3613771C1
11*	A72-GA	18	WH	3613771C1
12	A11-GL	18	WH	3613771C1
13*	A11-GN	14	WH	3613770C1
13*	A11-GN	18	WH	3613771C1
14*	A105-G	18	WH	3613771C1
14*	A105-G	16	WH	3613770C1

• MUTUALLY EXCLUSIVE

ZVR GROUND ADAPTER (1009)



CONNECTOR 3613769C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	B9V	18	GY	3613771C1
2	B9VB	18	GY	3613771C1
3	B9R	18	GY	3613771C1
4	B9S	18	GY	3613771C1
5	B9VE	18	GY	3613771C1
6	B9VH	18	GY	3613771C1
7	B9VG	18	GY	3613771C1
8	B9VF	18	GY	3613771C1
9	B9VC	18	GY	3613771C1
10	B9VD	18	GY	3613771C1
11	BLK2	18	WH	3613771C1

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
9	MAY07	REVISED & REDRAWN	A	60782A	U00K640	42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS
					RELEASE NO.	PART NO.
					59974G	15SEP06 AE08-56619 06

Figure 218 Connector Composites (1008), (1009)

13.7. CONNECTOR COMPOSITE (1010), P. 7

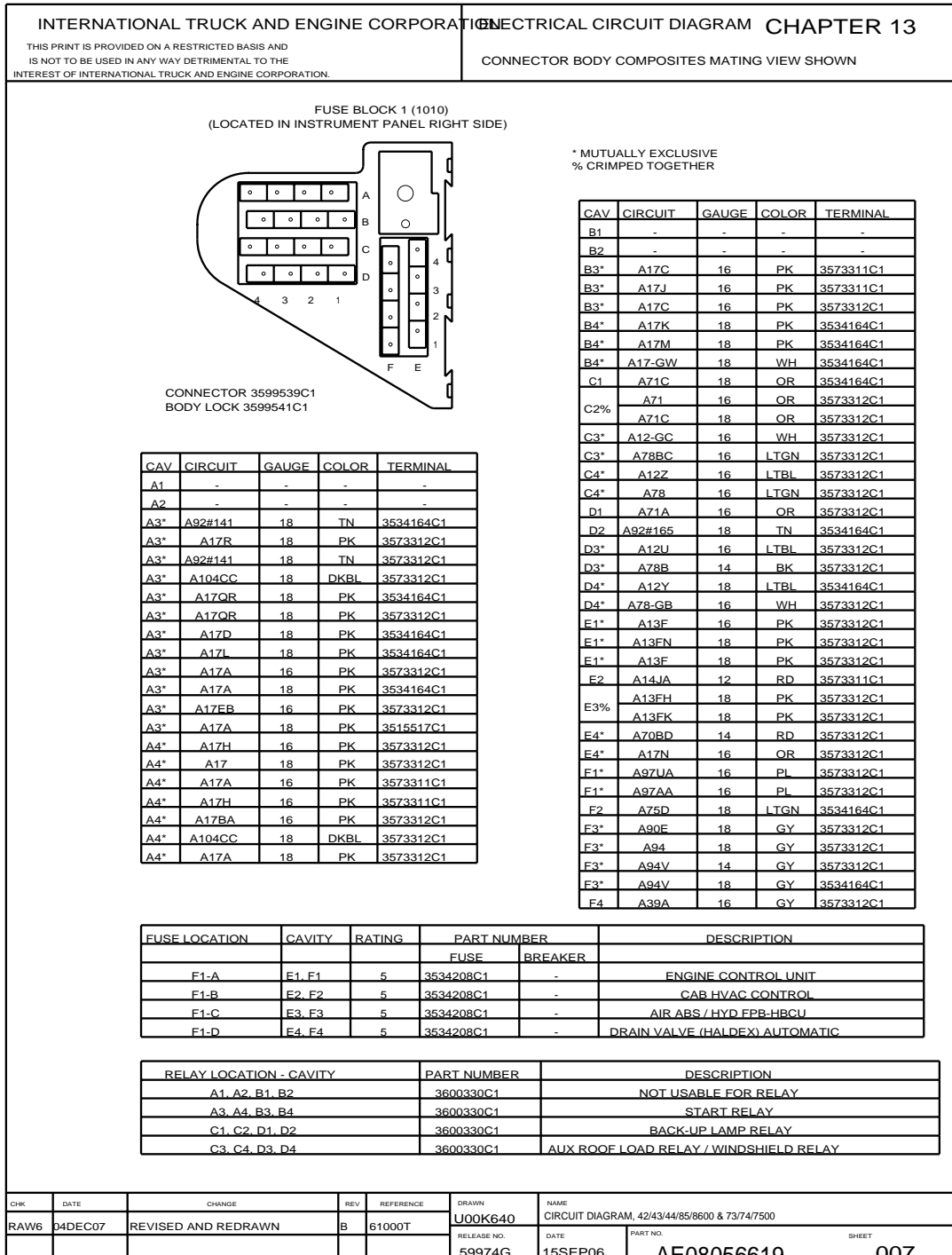


Figure 219 Connector Composite (1010)

13.8. CONNECTOR COMPOSITE (1011), P. 8

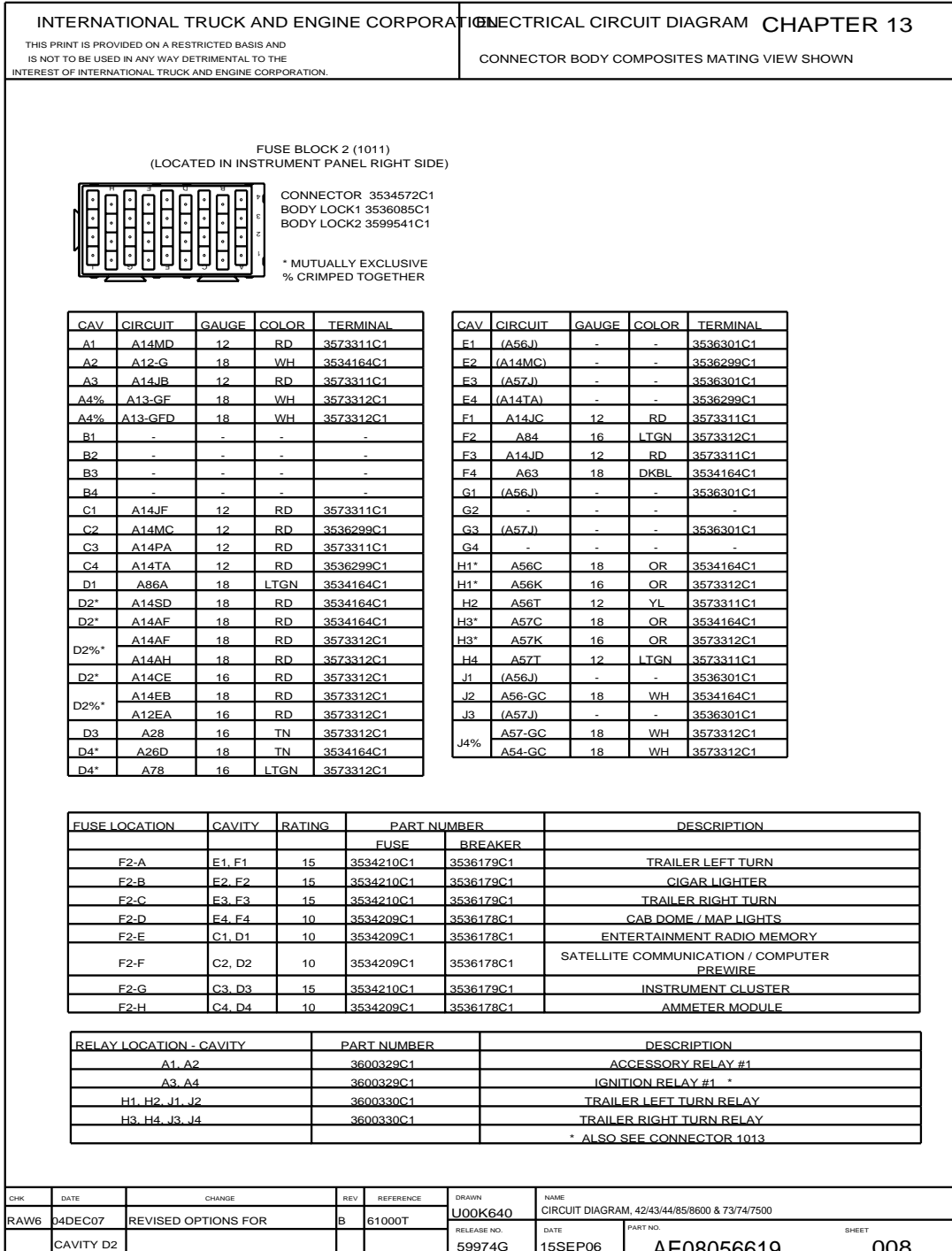


Figure 220 Connector Composite (1011)

13.9. CONNECTOR COMPOSITE (1012), P. 9

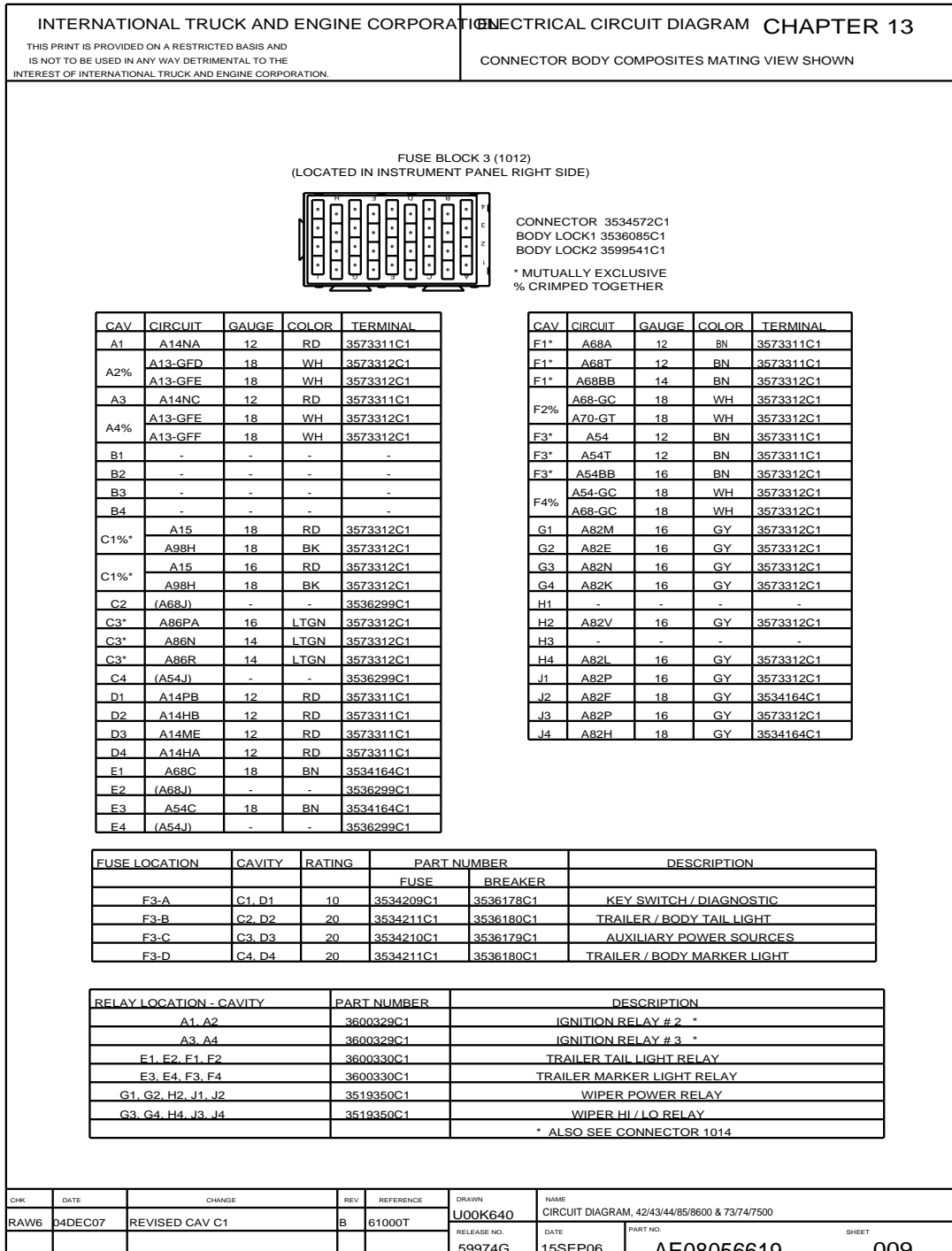


Figure 221 Connector Composite (1012)

13.10. CONNECTOR COMPOSITE (1013), P. 10

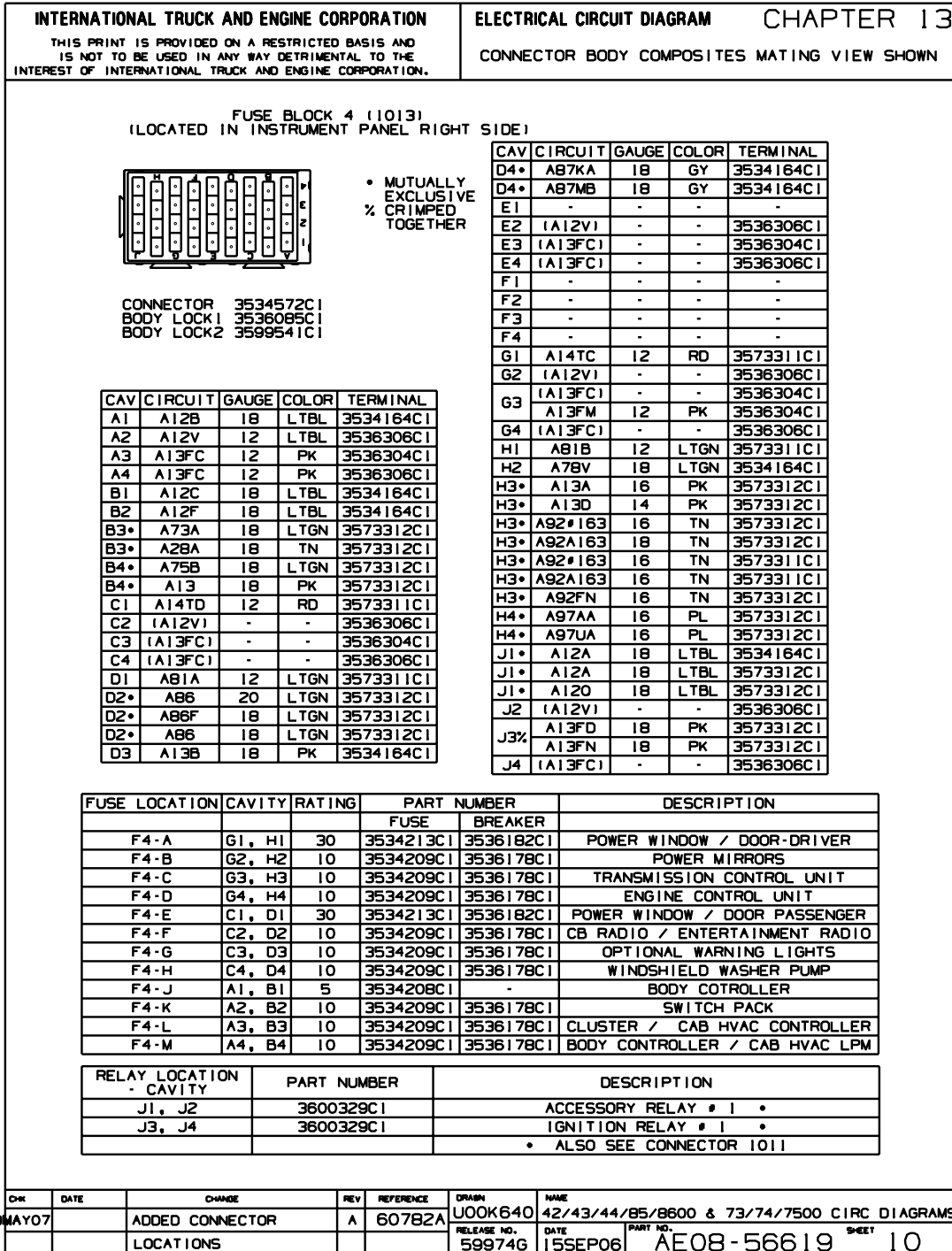


Figure 222 Connector Composite (1013)

13.11. CONNECTOR COMPOSITE (1014), P. 11

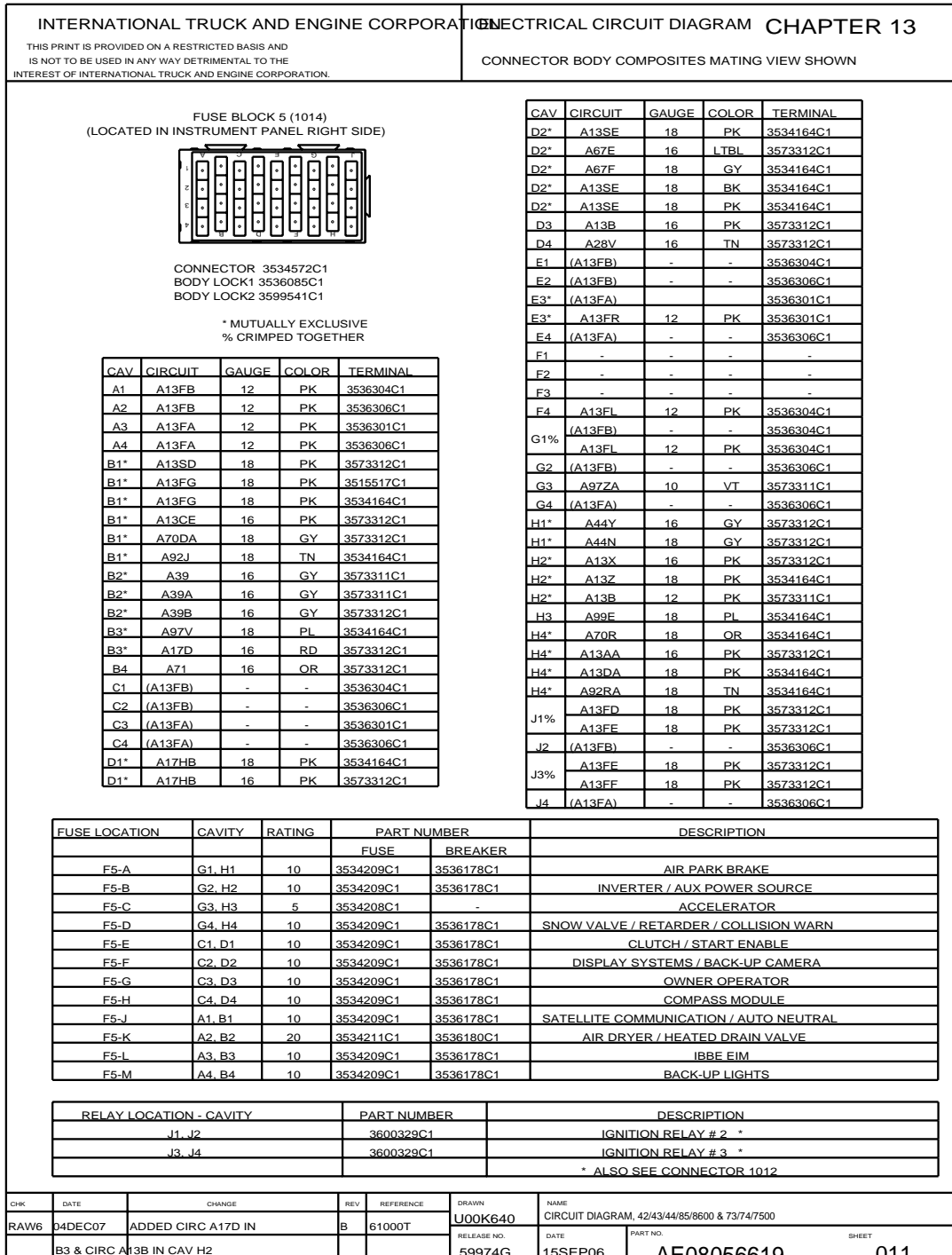
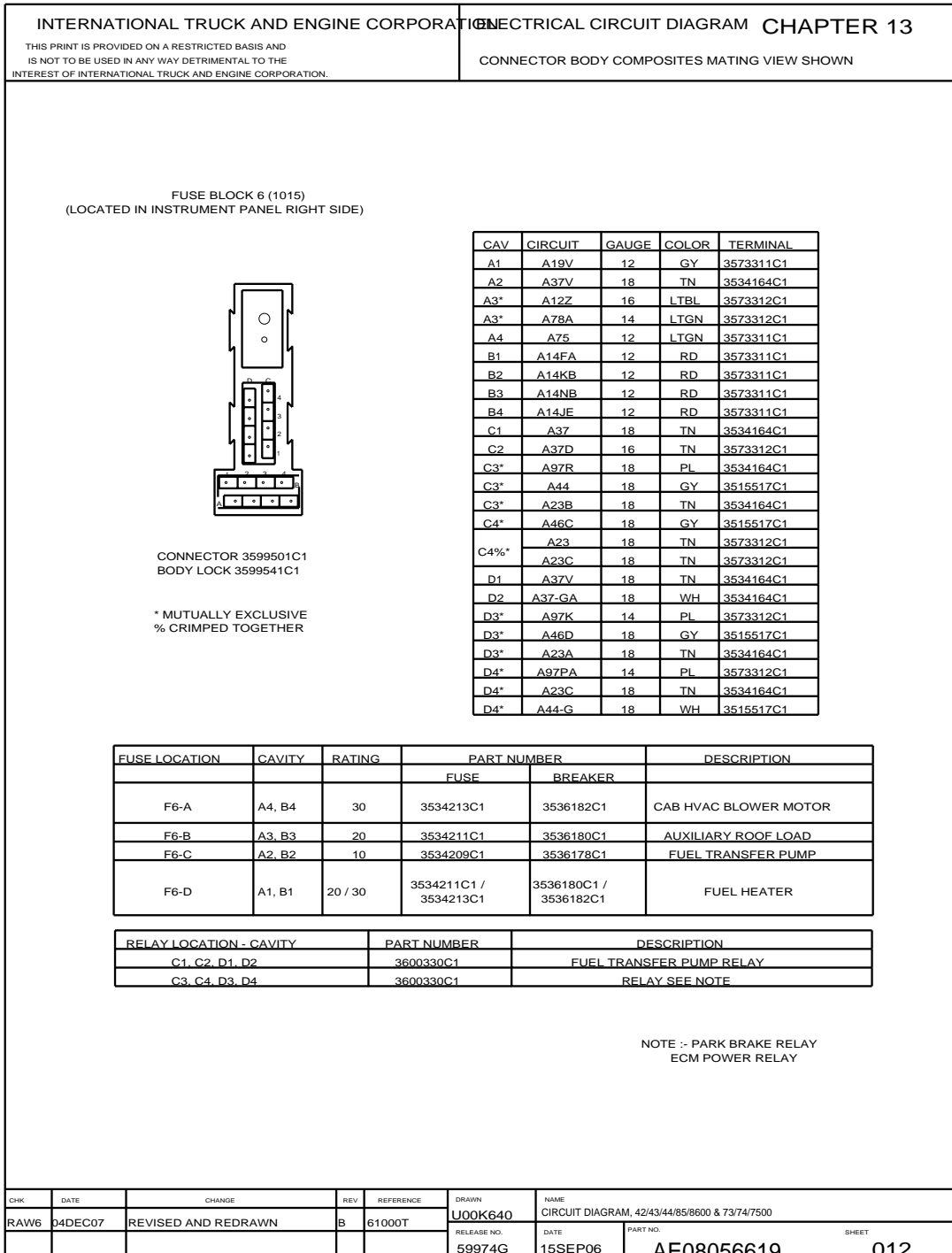


Figure 223 Connector Composite (1014)

13.12. CONNECTOR COMPOSITE (1015), P. 12



CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
RAW6	04DEC07	REVISED AND REDRAWN	B	61000T	U00K640	CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
					RELEASE NO.	DATE
					59974G	15SEP06
						PART NO.
						AE08056619
						SHEET
						012

Figure 224 Connector Composite (1015)

13.13. CONNECTOR COMPOSITE (1016), P. 13

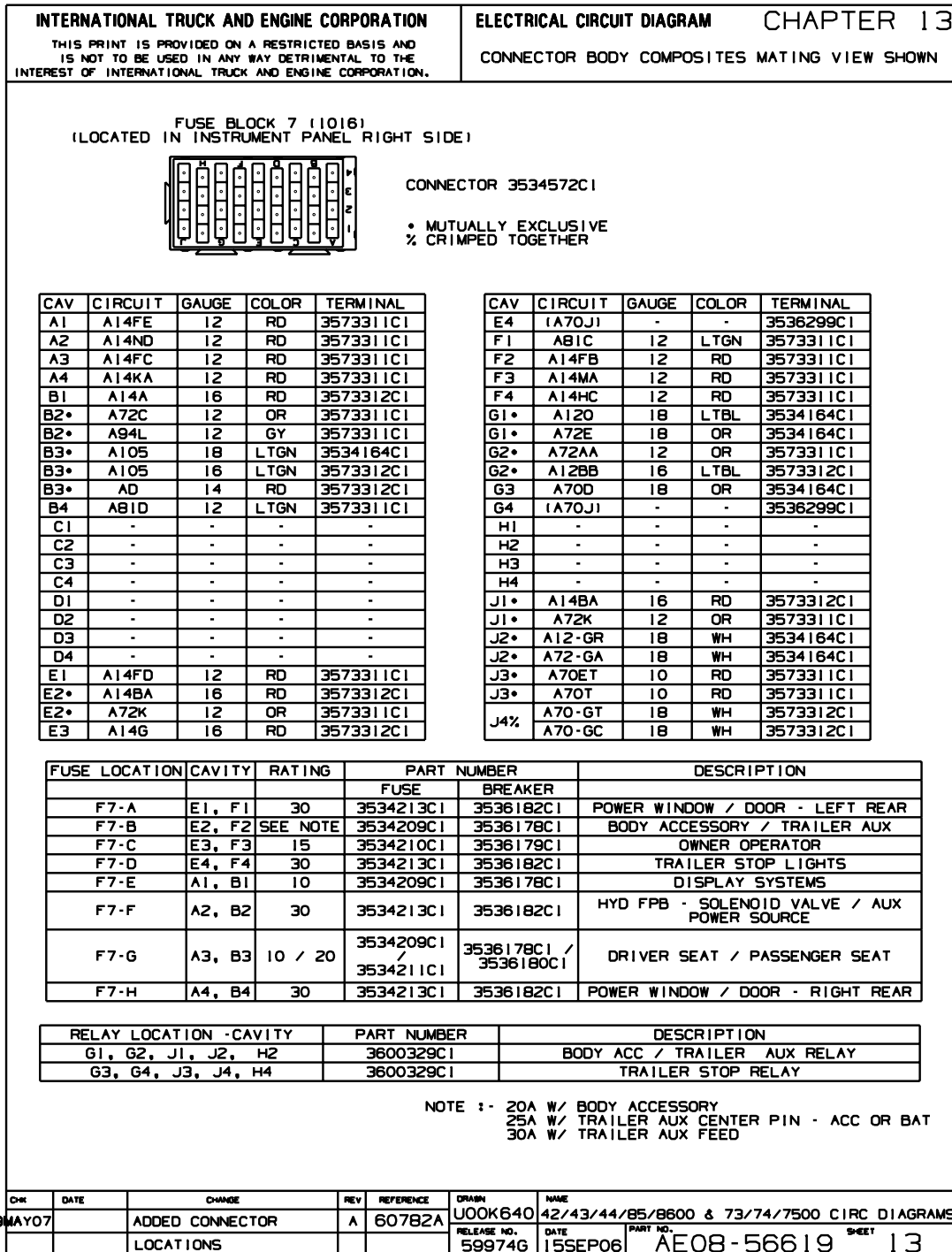


Figure 225 Connector Composite (1016)

13.14. CONNECTOR COMPOSITE (1017), P. 14

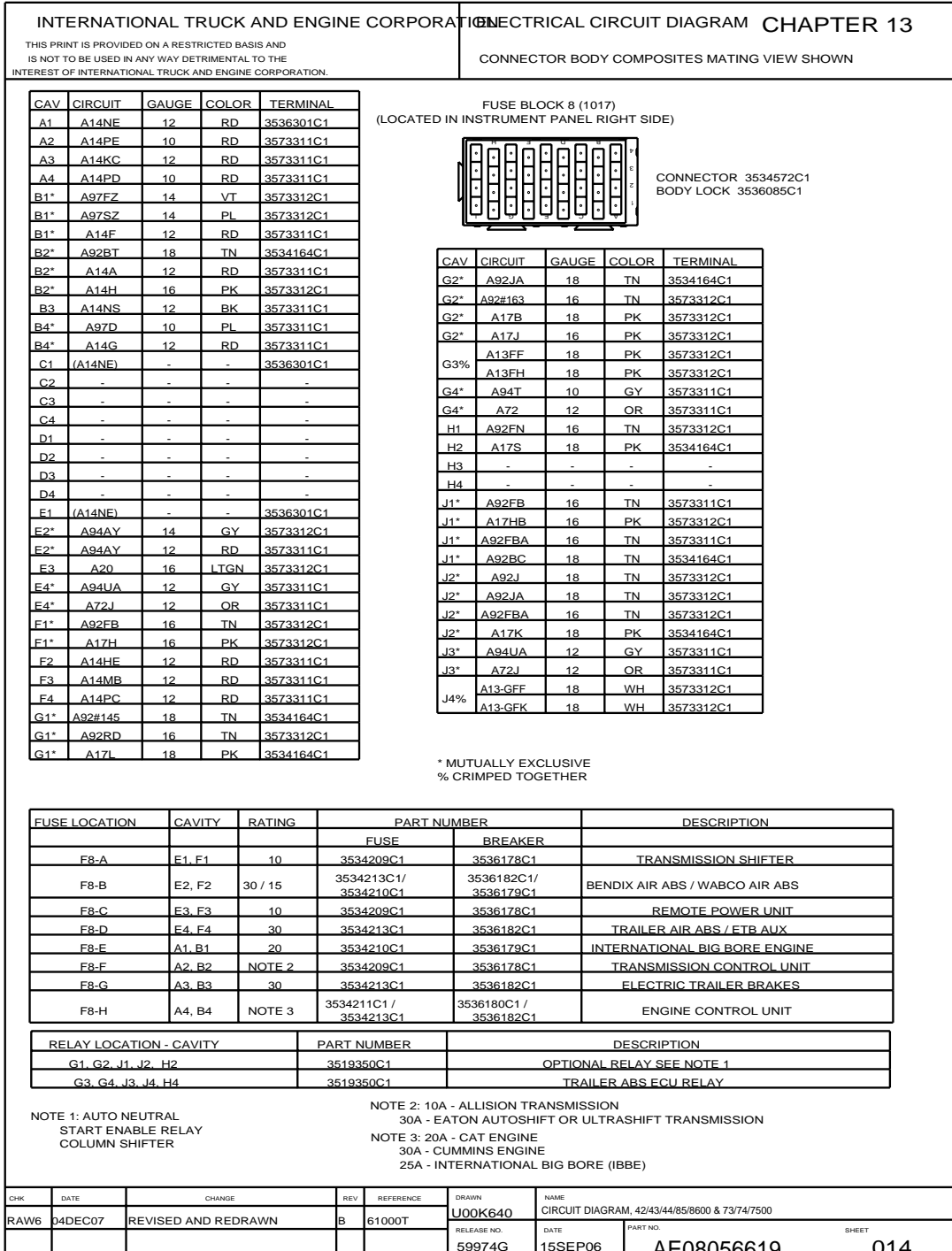


Figure 226 Connector Composite (1017)

13.15. CONNECTOR COMPOSITE (1018), P. 15

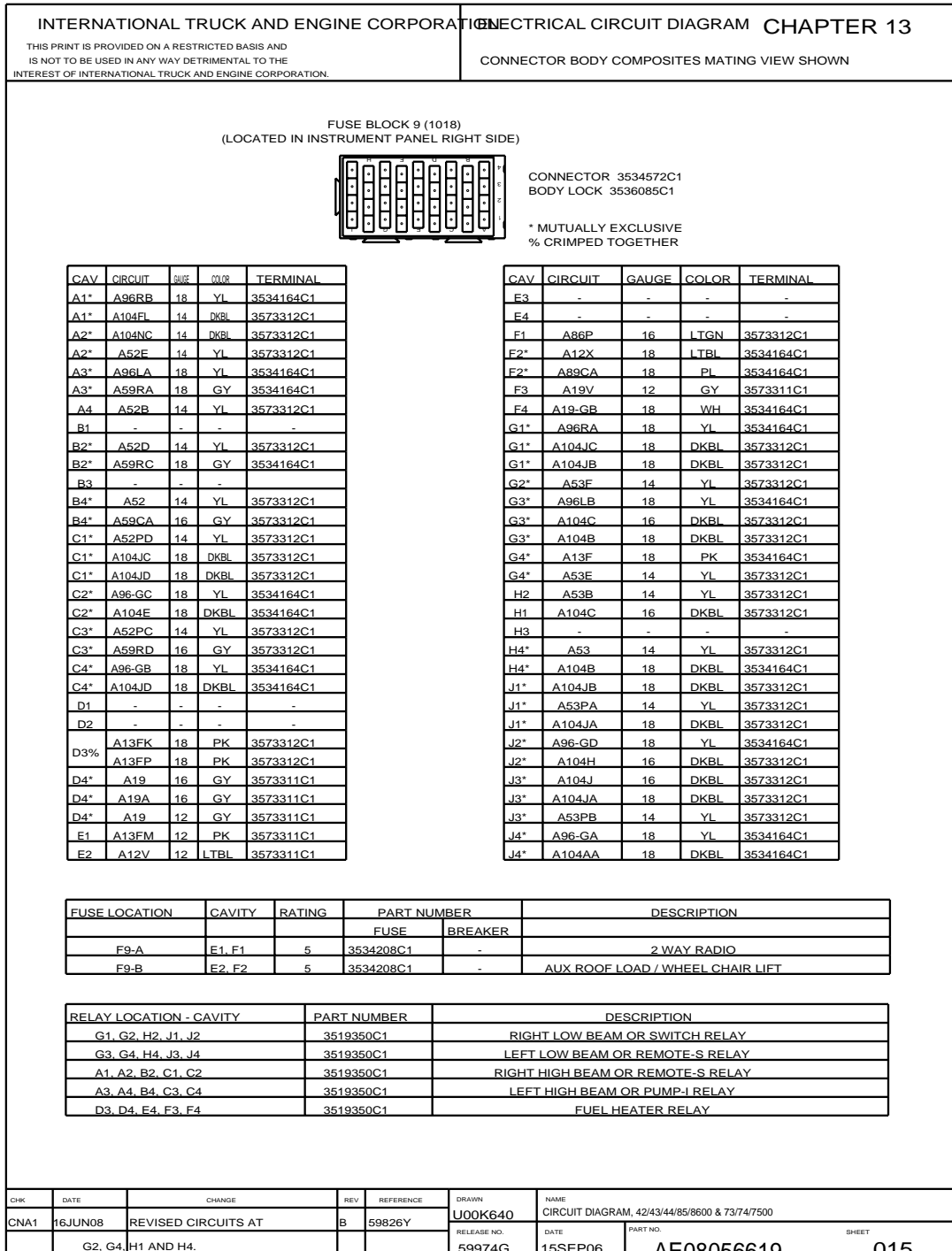


Figure 227 Connector Composite (1018)

13.16. CONNECTOR COMPOSITE (1019), P. 16

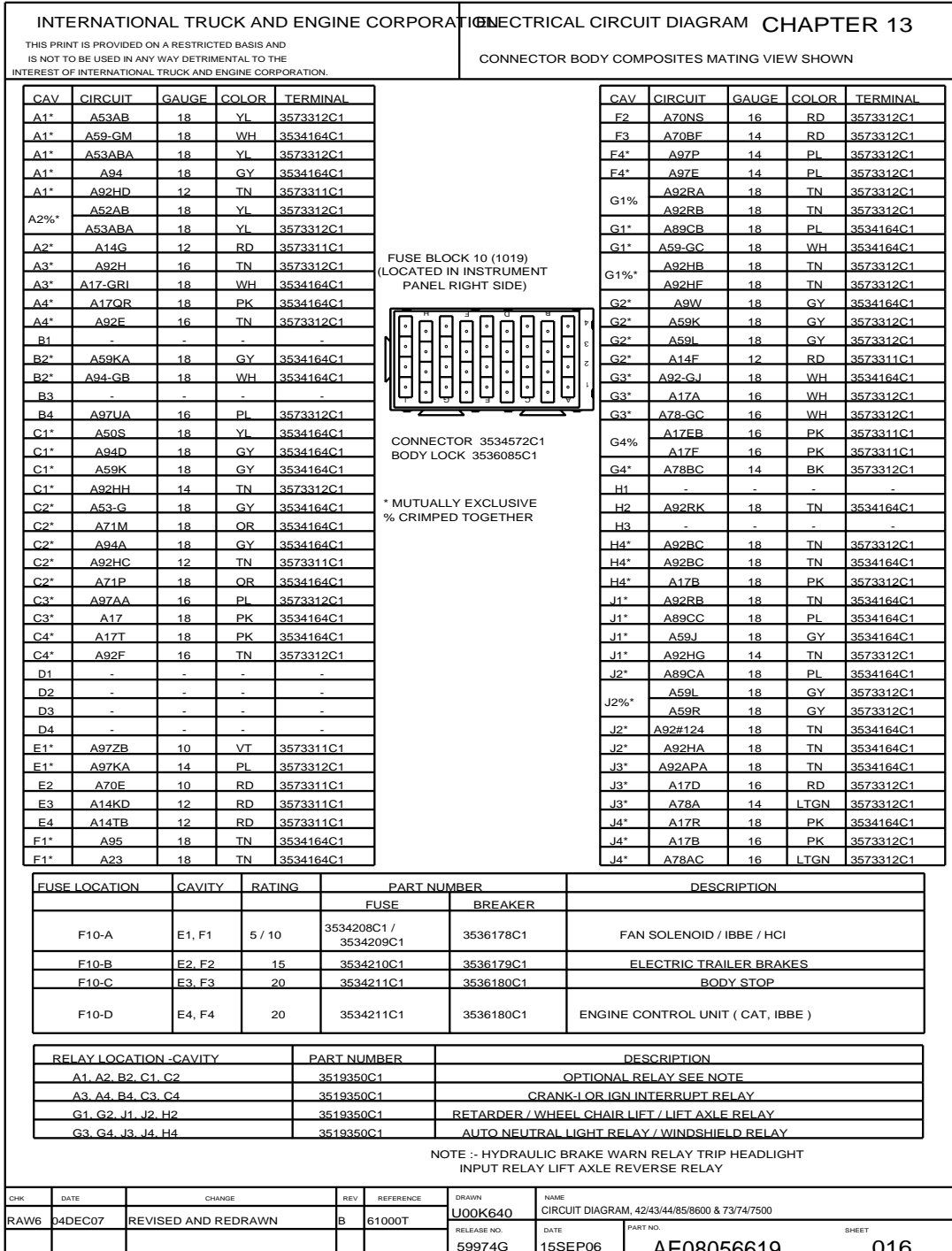


Figure 228 Connector Composite (1019)

13.17. CONNECTOR COMPOSITES (1020), P. 17

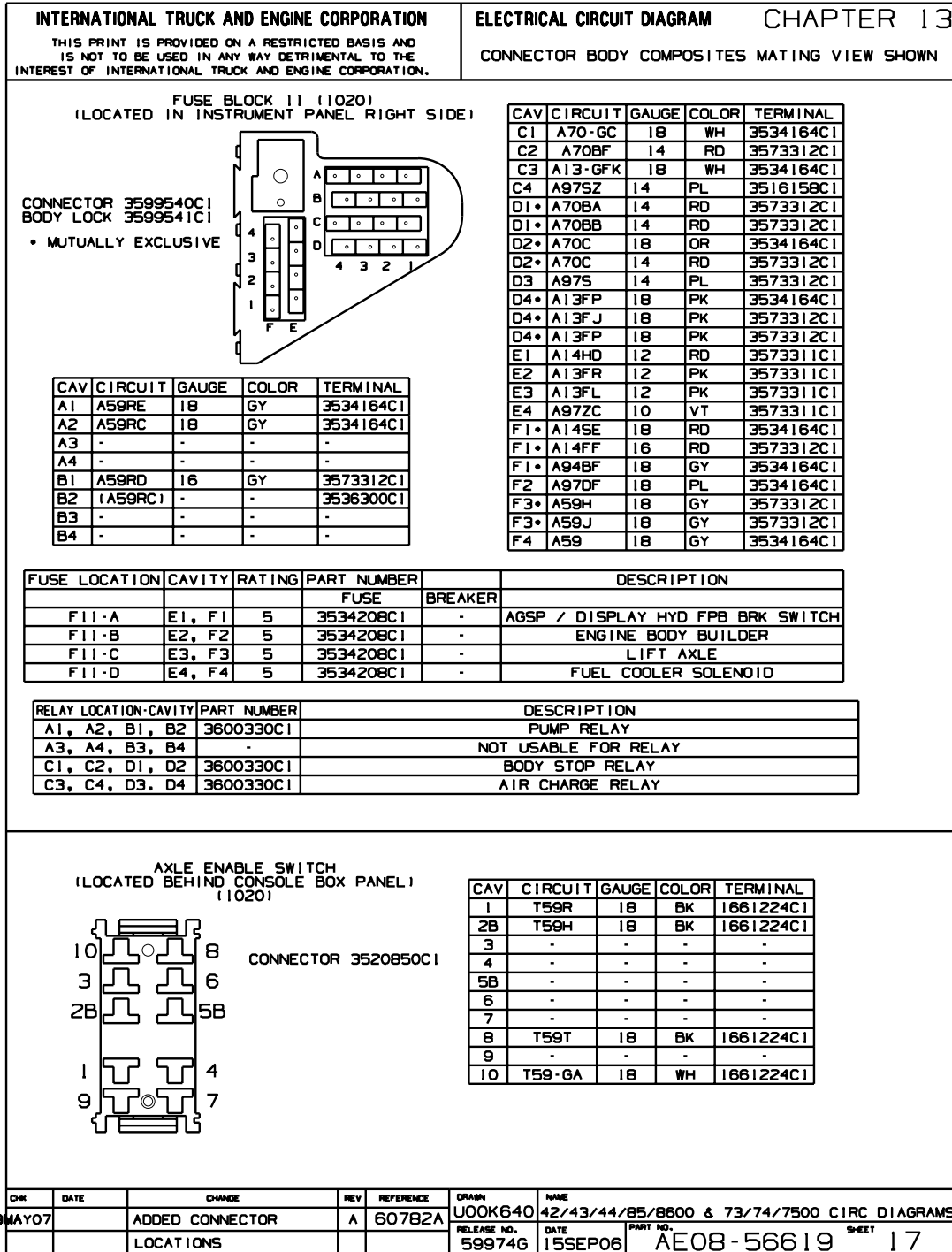


Figure 229 Connector Composites (1020)

13.18. CONNECTOR COMPOSITES (1021), (1022), (1023A), (1023B), P. 18

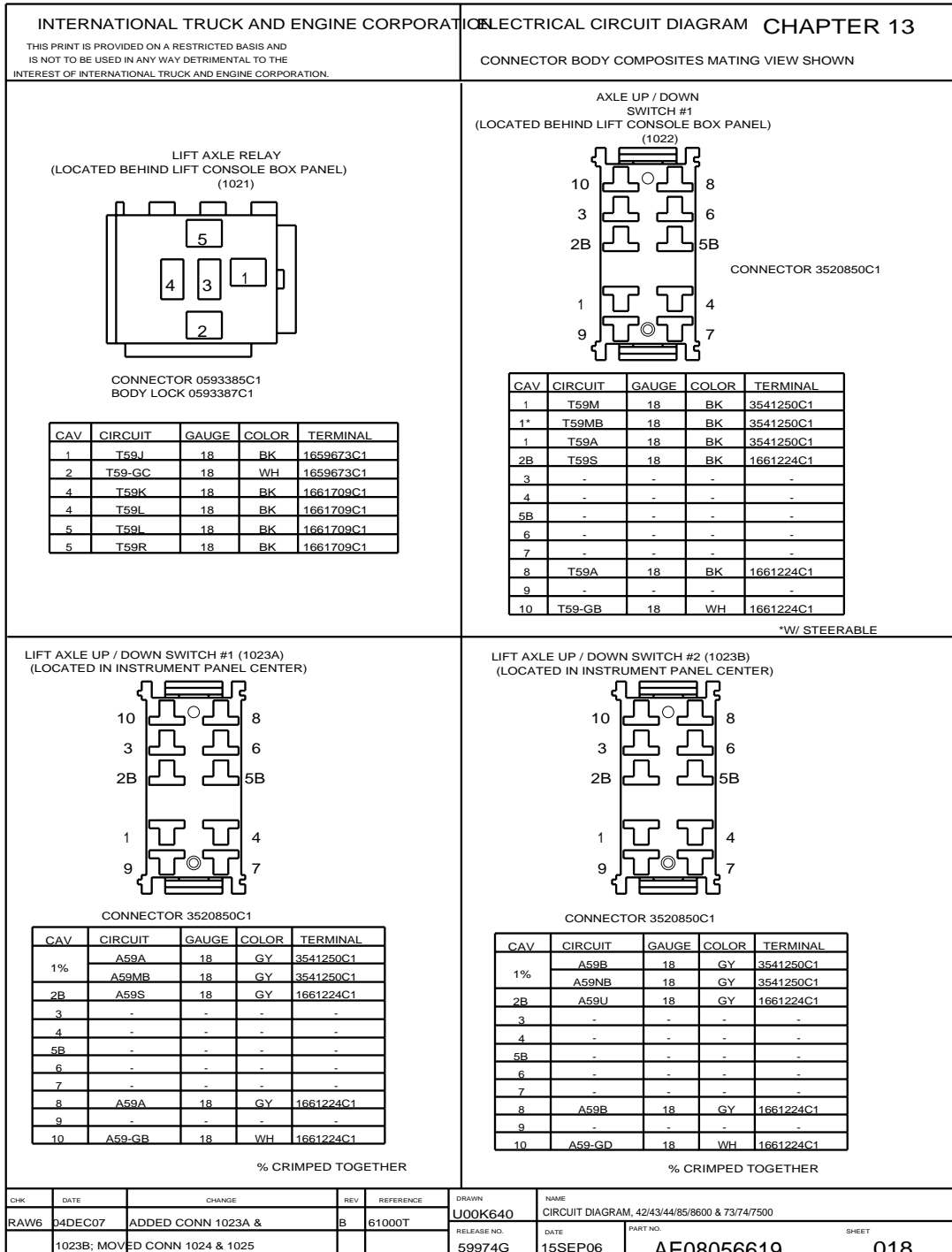


Figure 230 Connector Composites (1021), (1022), (1023A), (1023B)

13.19. CONNECTOR COMPOSITES (1023C), (1023D), (1024), (1025), P. 18A

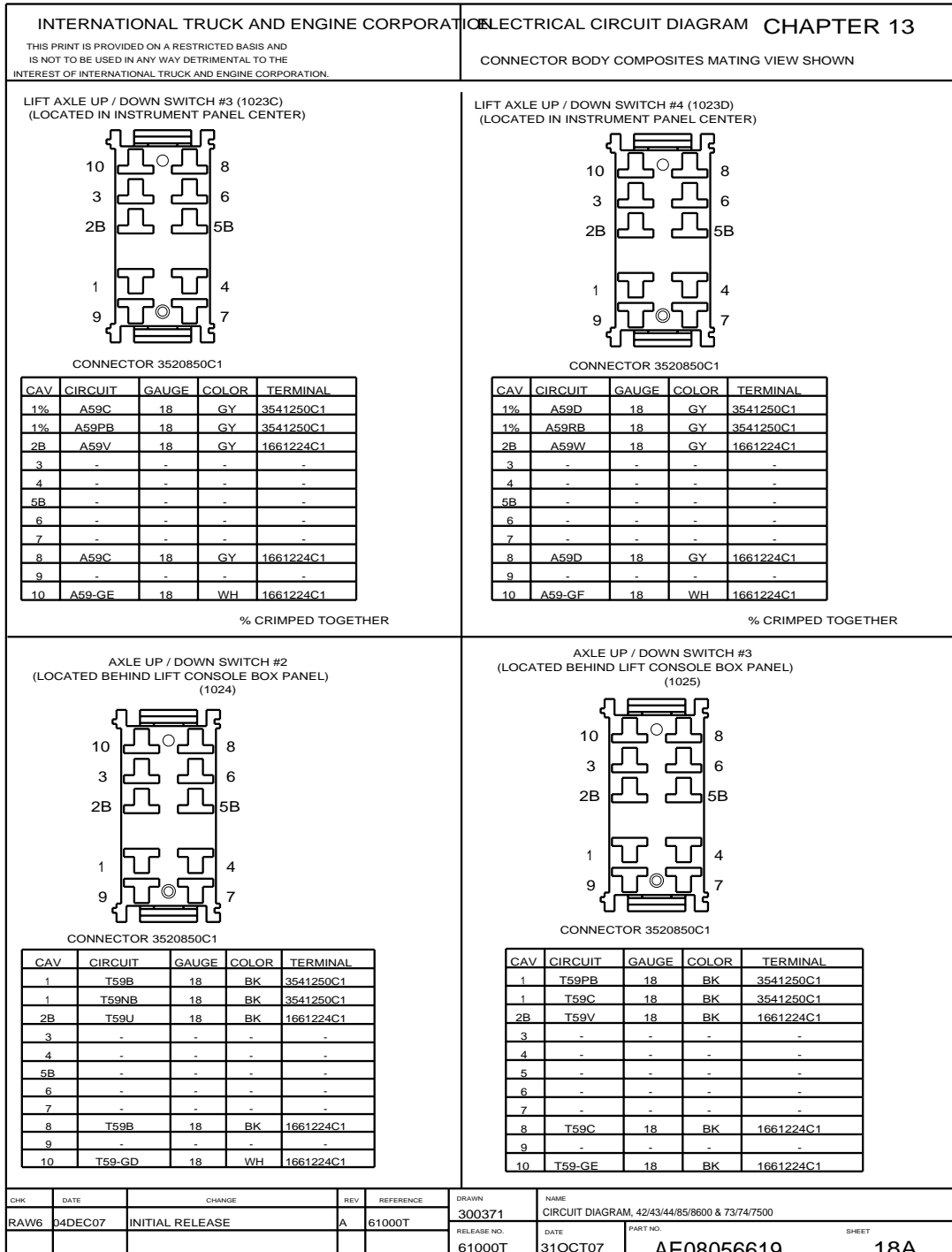


Figure 231 Connector Composites (1023C), (1023D), (1024), (1025)

13.20. CONNECTOR COMPOSITES (1025), (1026), (1029), P. 19

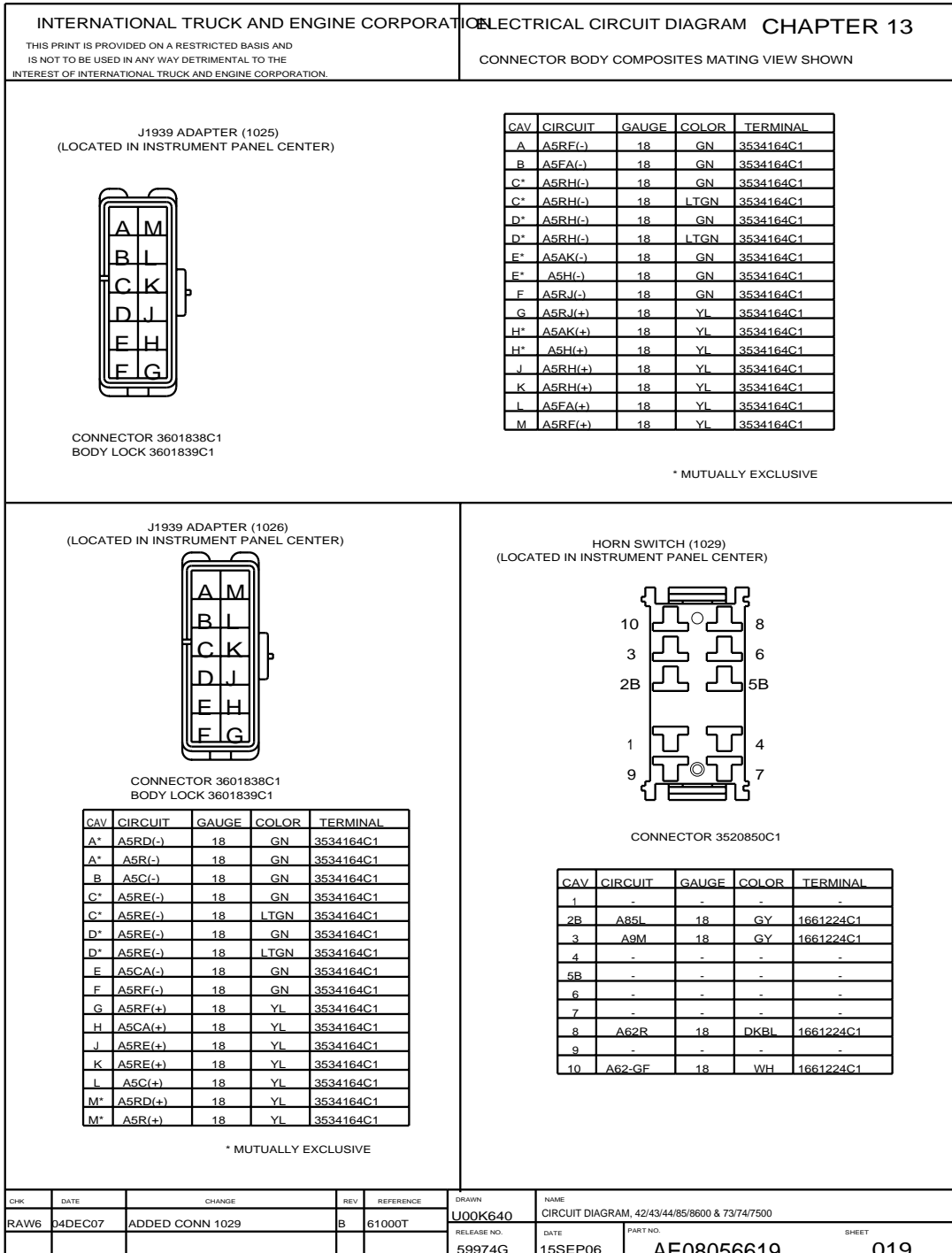


Figure 232 Connector Composites (1025), (1026), (1029)

13.21. CONNECTOR COMPOSITES (1100), (1100MA), (1101), (1101A), P. 20

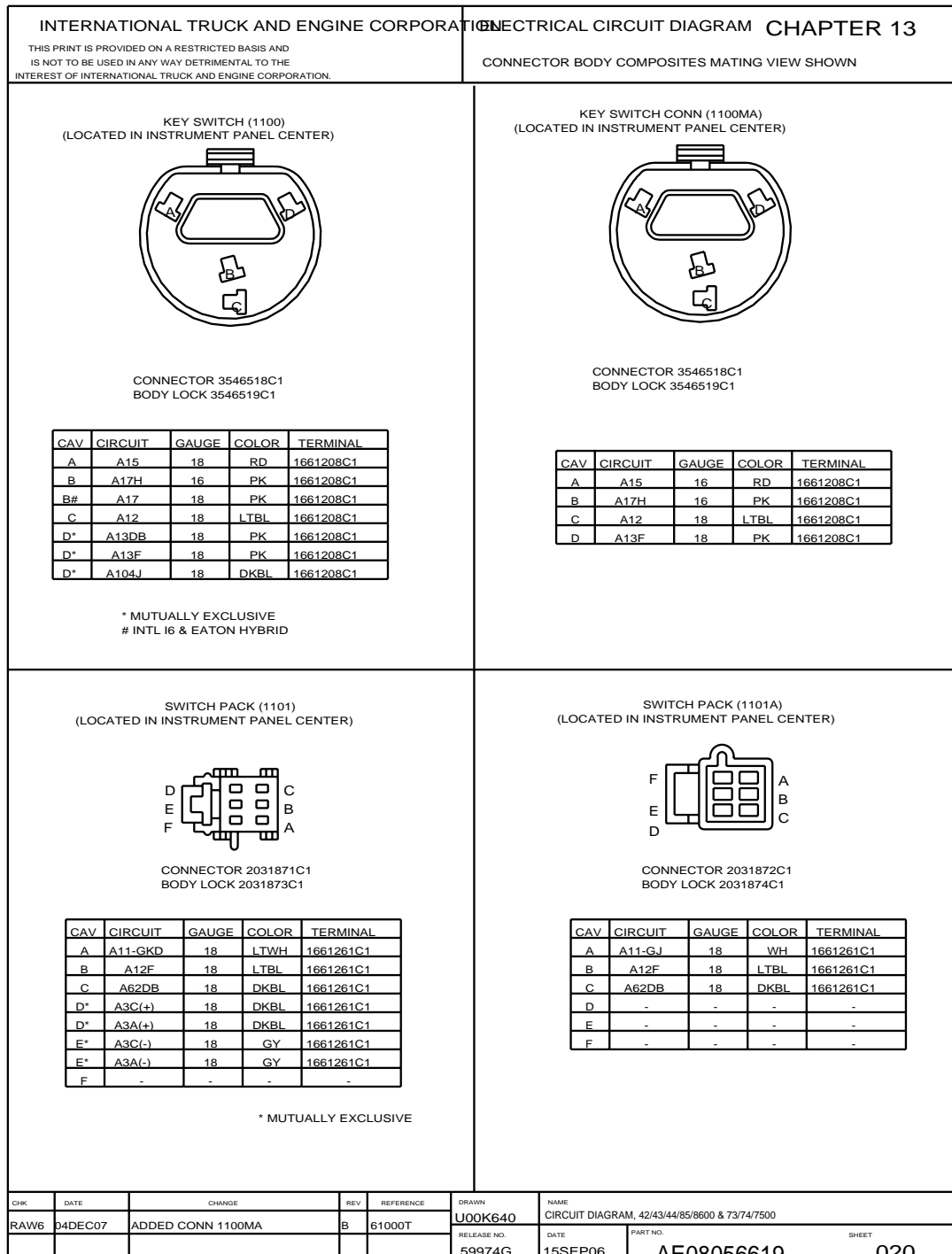


Figure 233 Connector Composites (1100), (1100MA), (1101), (1101A)

13.22. CONNECTOR COMPOSITES (1105), (1106), (1107), (1108), P. 21

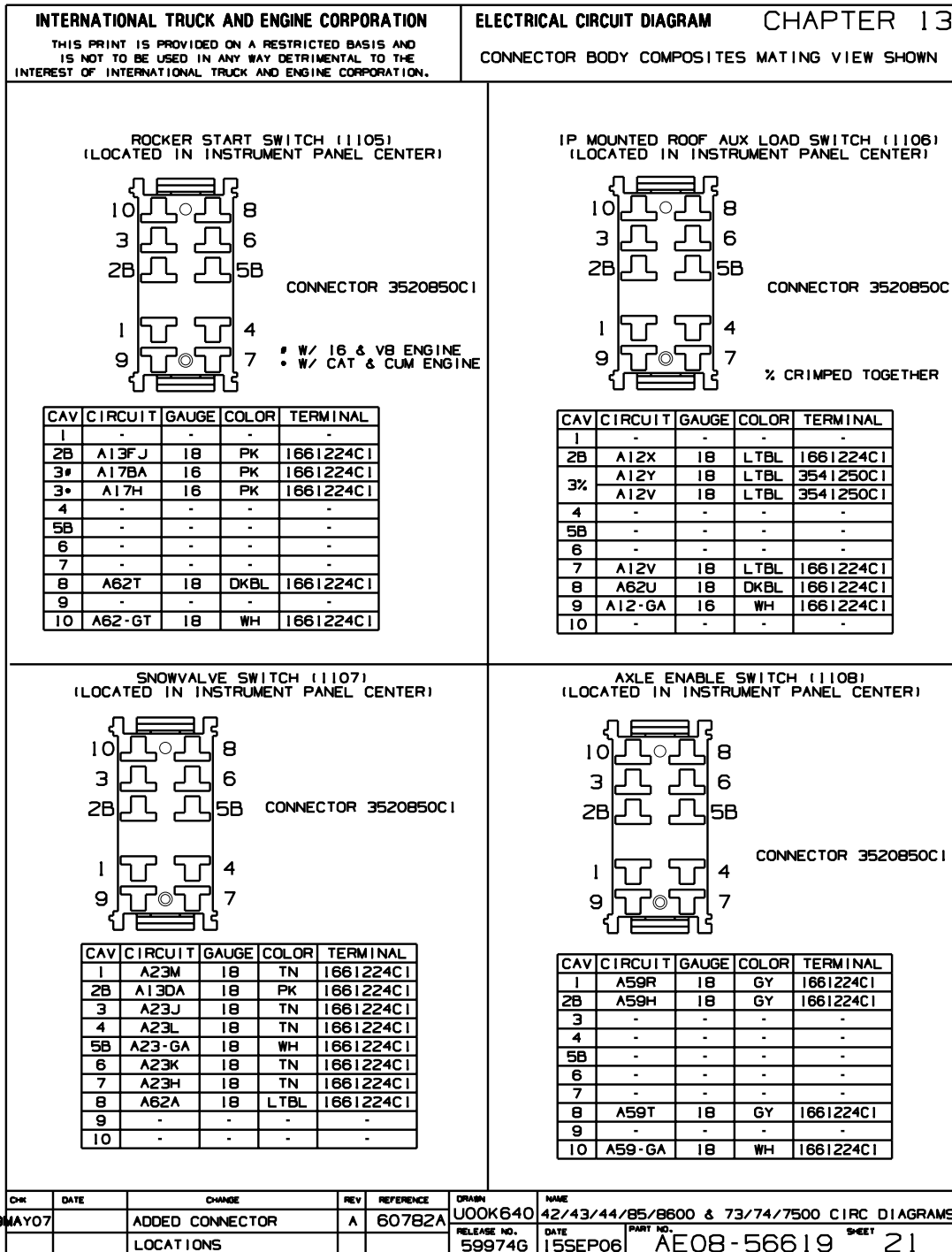


Figure 234 Connector Composites (1105), (1106), (1107), (1108)

13.23. CONNECTOR COMPOSITES (1109), (1110), (1200), P. 22

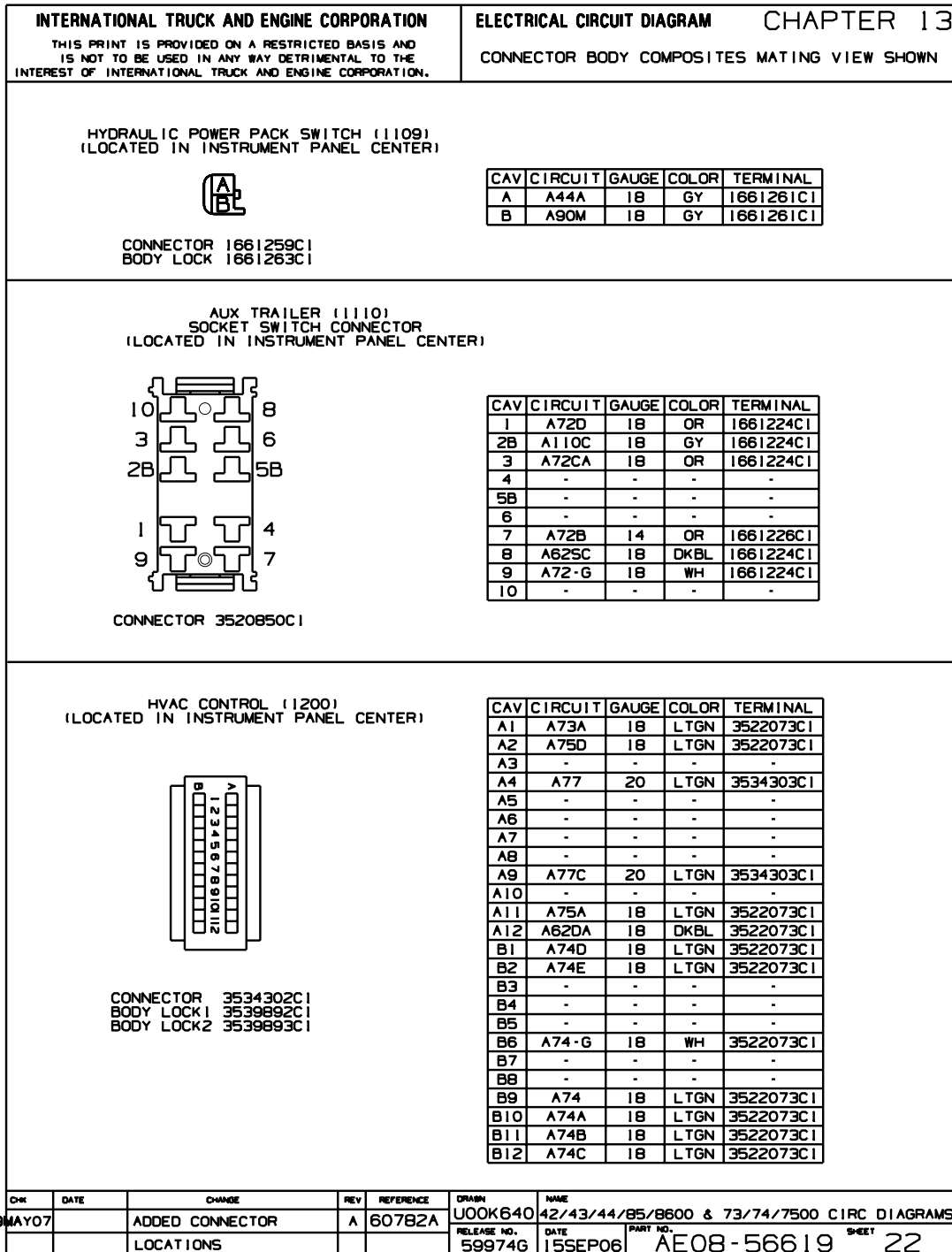


Figure 235 Connector Composites (1109), (1110), (1200)

13.24. CONNECTOR COMPOSITES (1210), (1227), (1227M), (1228), P. 23

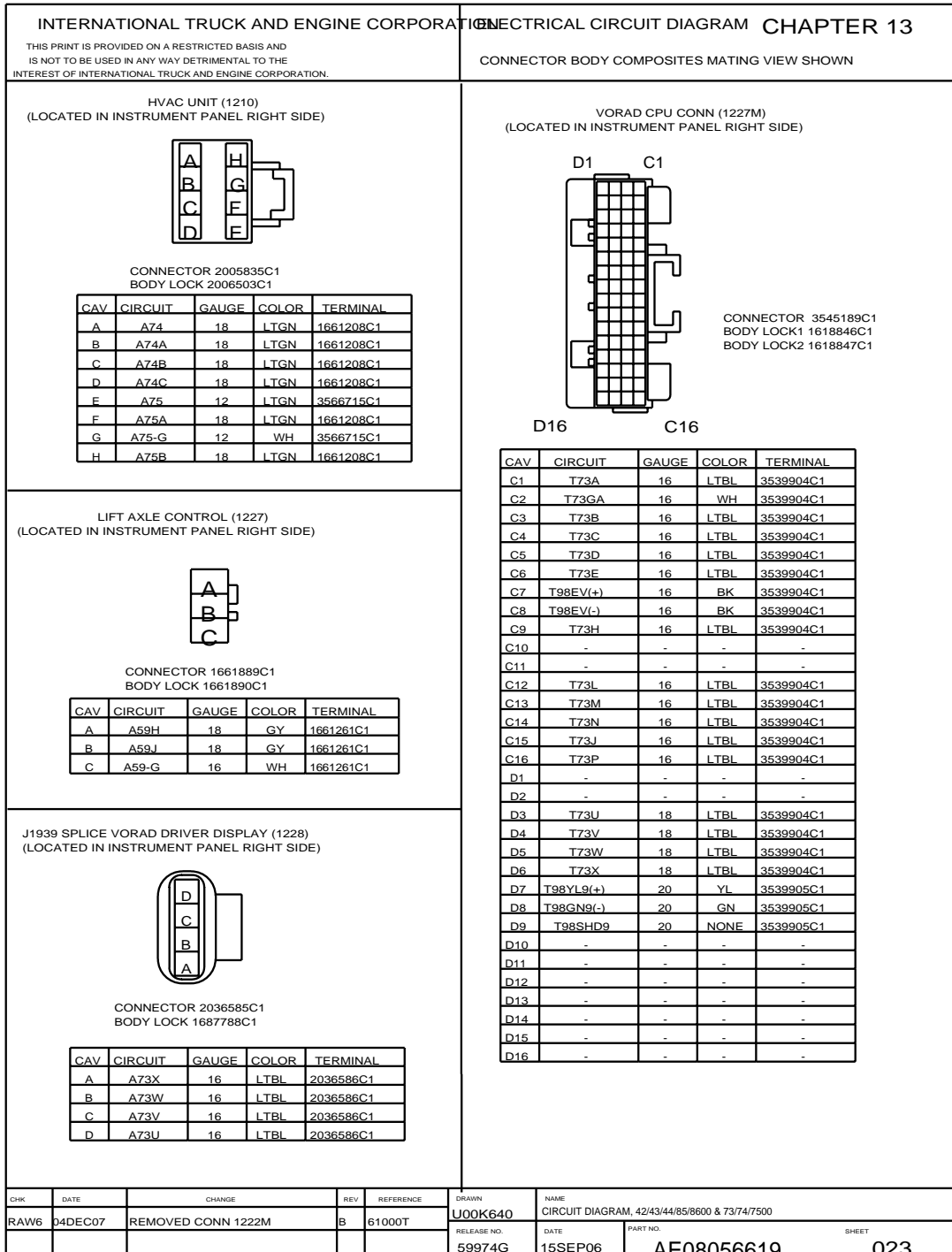


Figure 236 Connector Composites (1210), (1227), (1227M), (1228)

13.25. CONNECTOR COMPOSITES (1229), (1230F), (1231), (1240F), P. 24

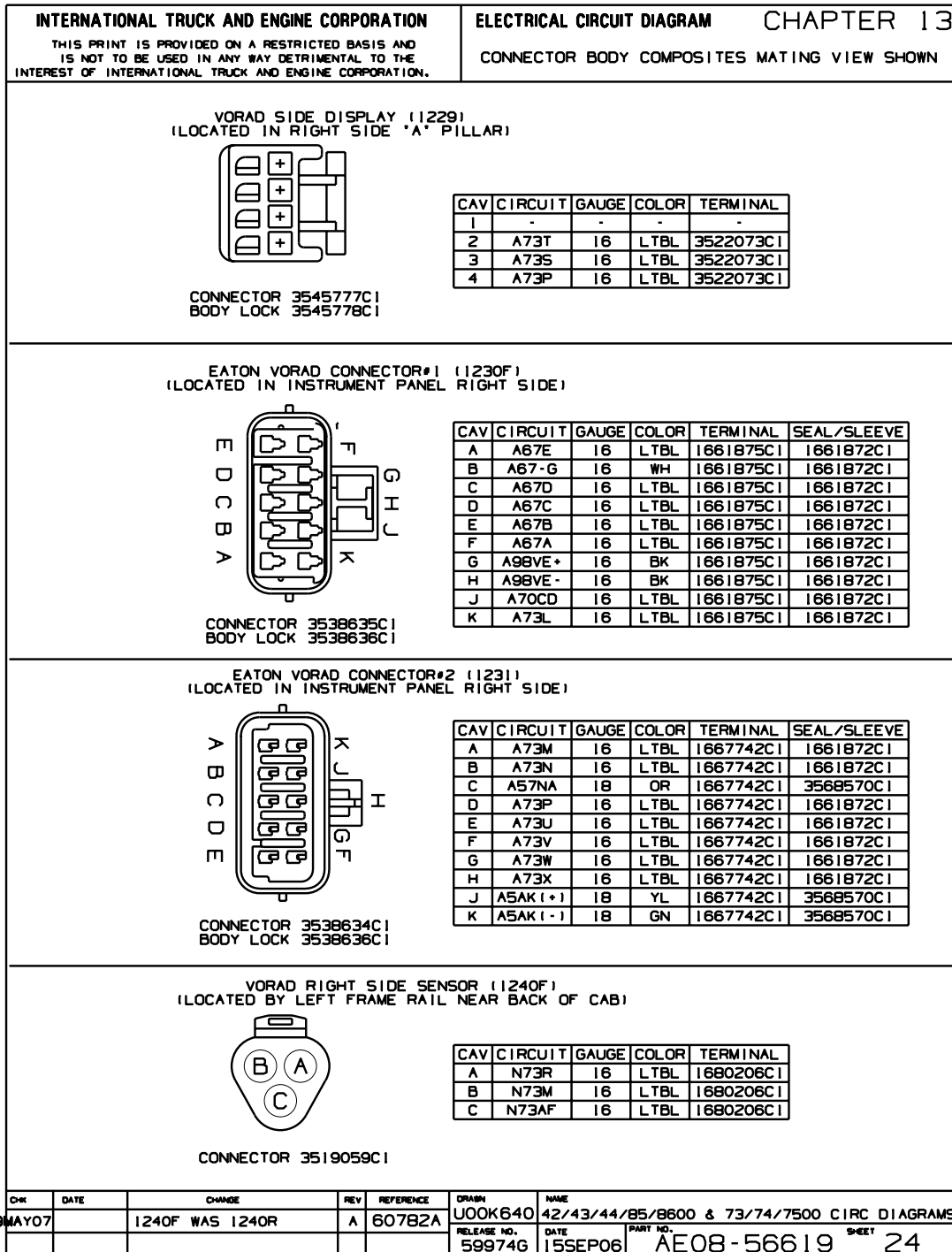


Figure 237 Connector Composites (1229), (1230F), (1231), (1240F)

13.26. CONNECTOR COMPOSITES (1242), (1243), (1300), (1301), (1338), P. 25

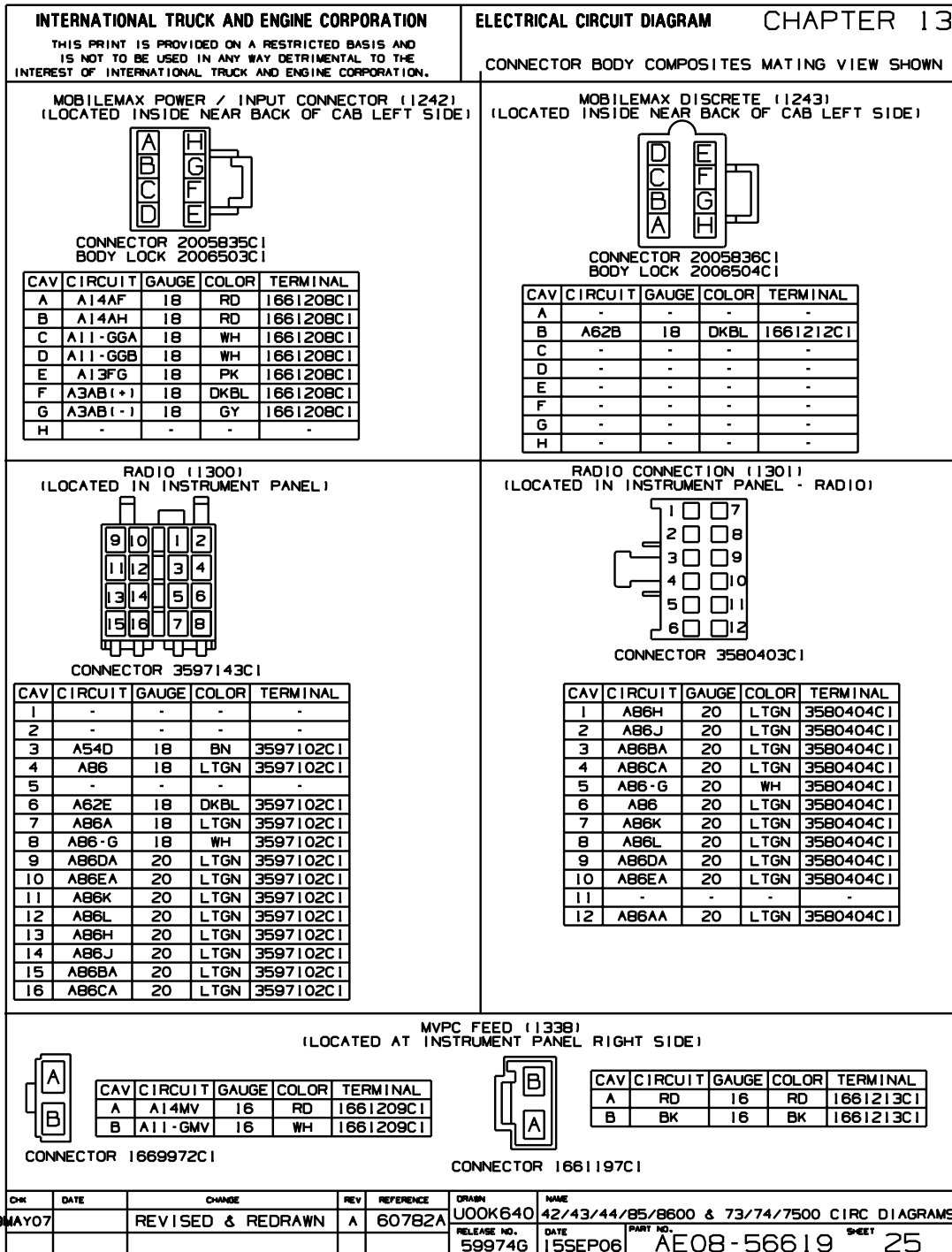


Figure 238 Connector Composites (1242), (1243), (1300), (1301), (1338)

13.27. CONNECTOR COMPOSITES (1378), (1400), (1401), (1402), P. 26

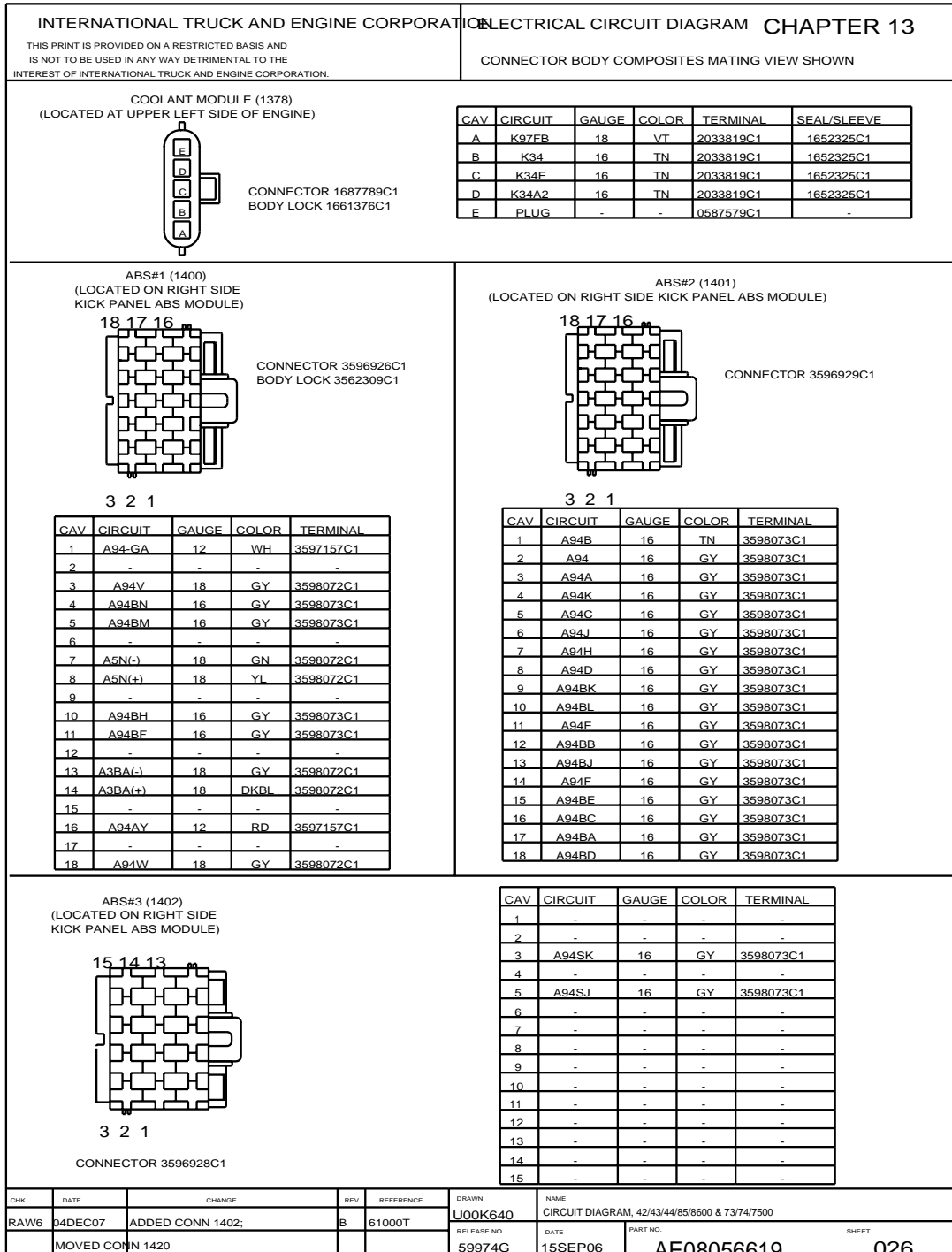
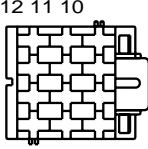


Figure 239 Connector Composites (1378), (1400), (1401), (1402)

13.28. CONNECTOR COMPOSITES (1403), (1410), P. 26A

<p>INTERNATIONAL TRUCK AND ENGINE CORPORATION</p> <p><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></p>	<p>ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13</p> <p>CONNECTOR BODY COMPOSITES MATING VIEW SHOWN</p>
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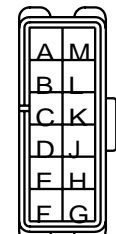
ABS # 4 (1403)
(LOCATED AT RIGHT SIDE
KICK PANEL ABS MODULE)



CONNECTOR 3596927C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	A94SZD	16	GY	3598073C1
2	A94SE	16	GY	3598073C1
3	A94SH	16	GY	3598073C1
4	A94SVD	16	GY	3598073C1
5	A94SF	16	GY	3598073C1
6	A94SL	16	GY	3598073C1
7	A94SDA	18	GY	3598072C1
8	A94SBA	18	GY	3598072C1
9	A94SM	16	GY	3598073C1
10	A94SCA	18	GY	3598072C1
11	A94SAA	18	GY	3598072C1
12	A94SN	16	GY	3598073C1

ABS ESP / RSP ADAPTER
(1410)
(LOCATED IN INSTRUMENT PANEL CENTER)



CONNECTOR 3601838C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A	A94SAA	18	GY	3534164C1
B	A94SAB	18	GY	3534164C1
C	A94SA	20	GY	3535484C1
D	A94SCA	18	GY	3534164C1
E	A94SCB	18	GY	3534164C1
F	A94SC	20	GY	3535484C1
G	A94SBA	18	GY	3534164C1
H	A94SBB	18	GY	3534164C1
J	A94SB	20	GY	3535484C1
K	A94SDA	18	GY	3534164C1
L	A94SDB	18	GY	3534164C1
M	A94SD	20	GY	3535484C1

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
RAW6	04DEC07	INITIAL RELEASE	A	61000T	300371	CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
					RELEASE NO. 61000T	DATE 31OCT07
						PART NO. AE08056619
						SHEET 26A

Figure 240 Connector Composites (1403), (1410)

13.29. CONNECTOR COMPOSITES (1420), (1421), (1500), P. 27

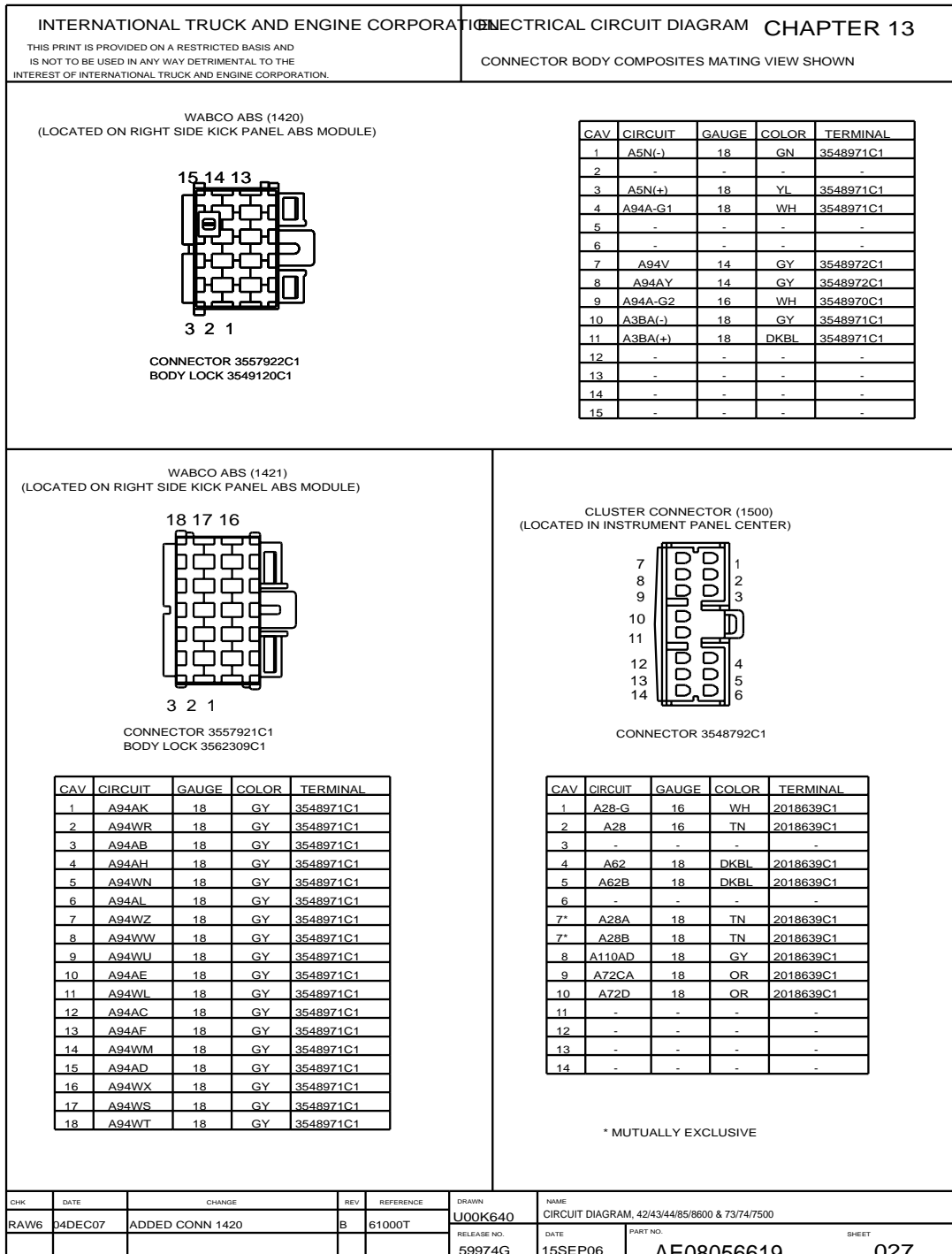


Figure 241 Connector Composites (1420), (1421), (1500)

13.30. CONNECTOR COMPOSITES (1501), (1510), (1511), (1512), P. 28

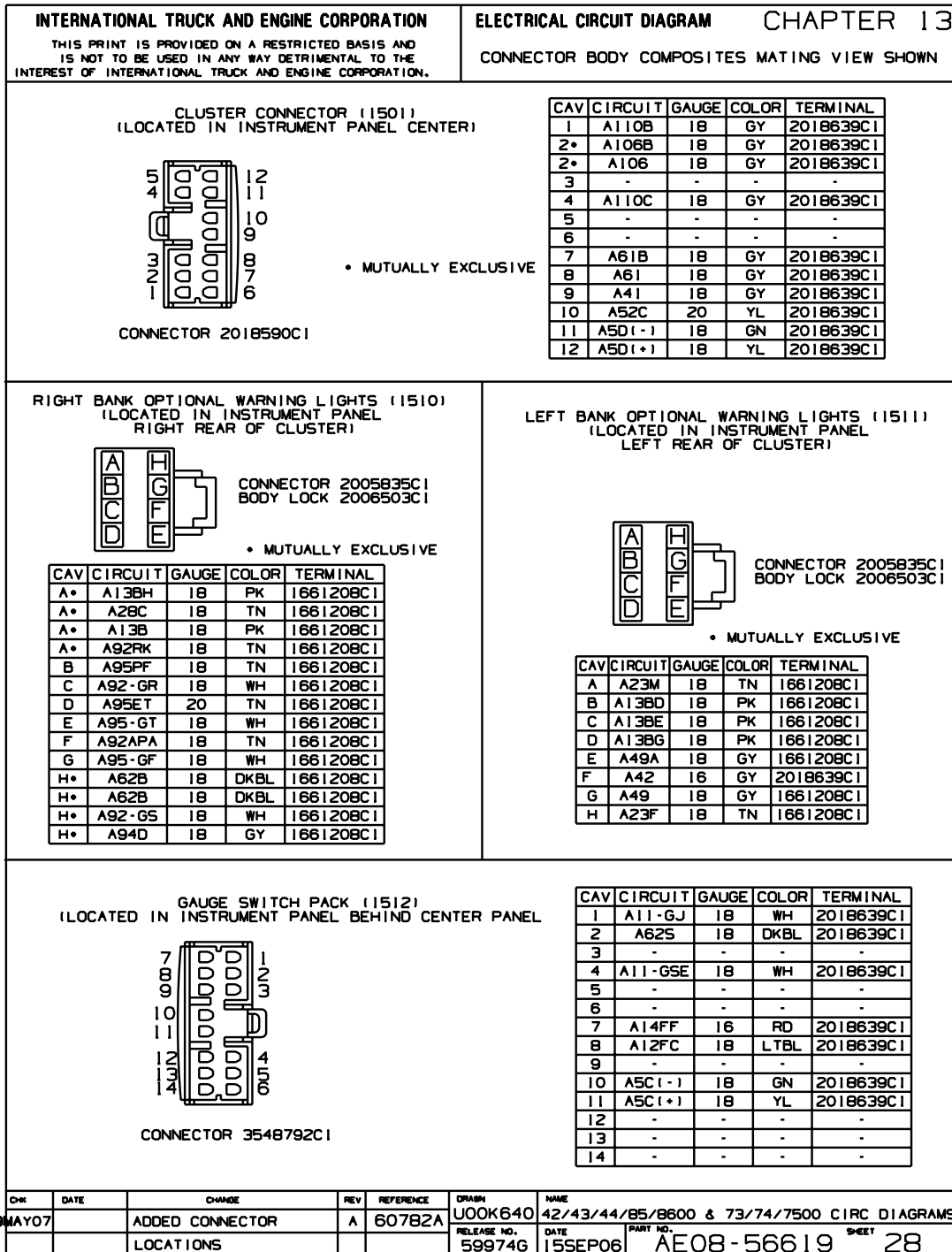


Figure 242 Connector Composites (1501), (1510), (1511), (1512)

13.31. CONNECTOR COMPOSITES (1556), (1557), (1558), (1600), P. 29

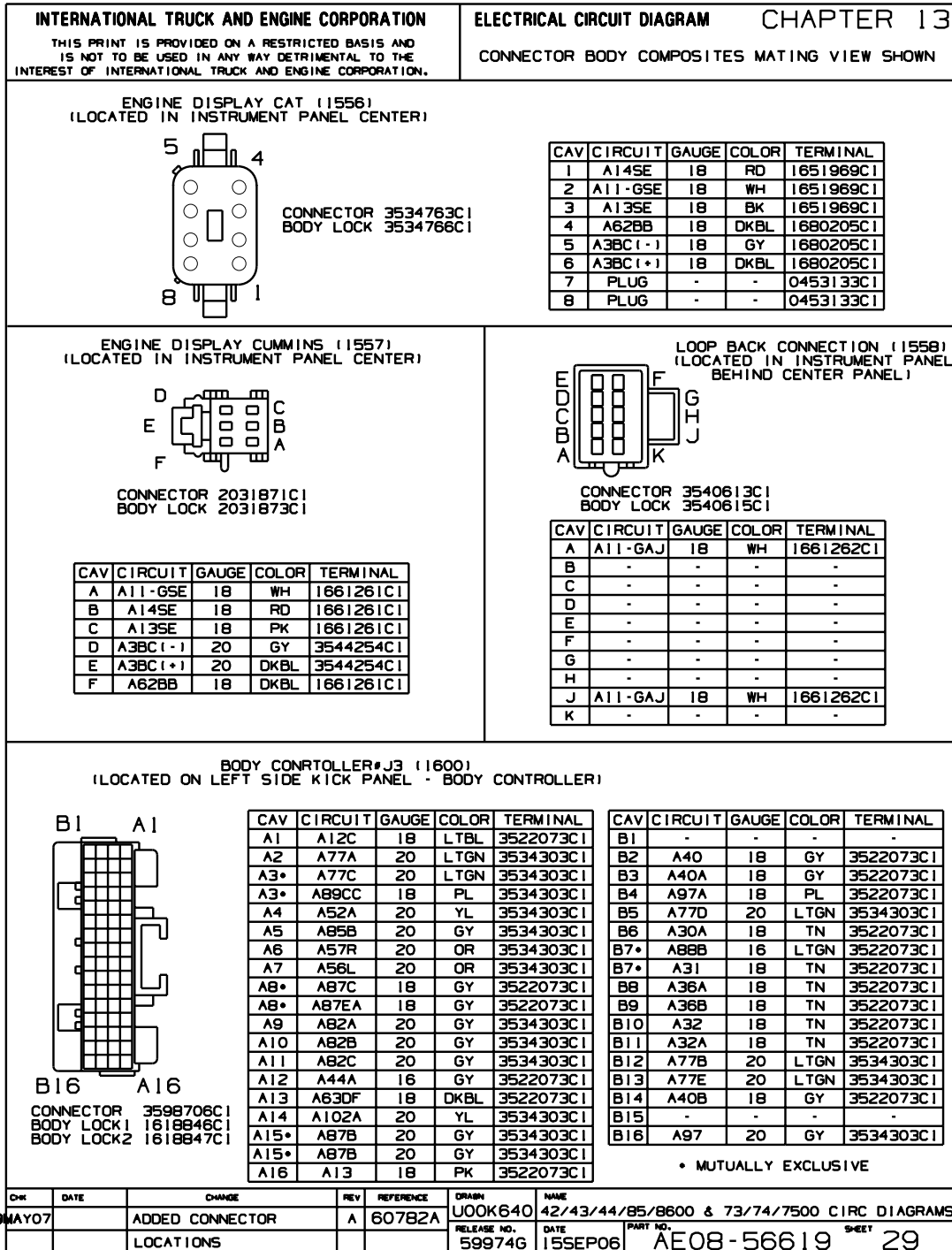


Figure 243 Connector Composites (1556), (1557), (1558), (1600)

13.32. CONNECTOR COMPOSITE (1601), P. 30

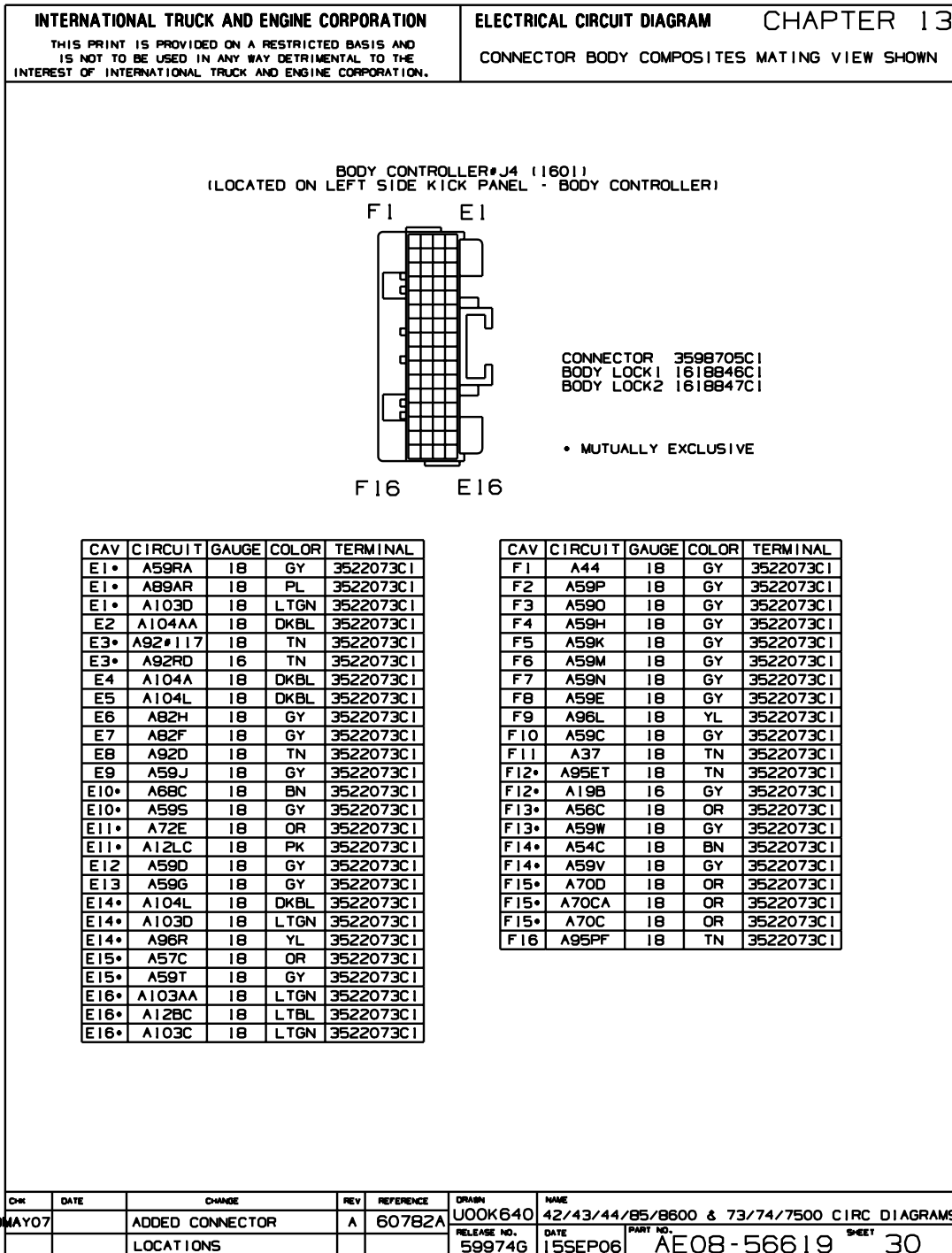


Figure 244 Connector Composite (1601)

13.33. CONNECTOR COMPOSITE (1602), P. 31

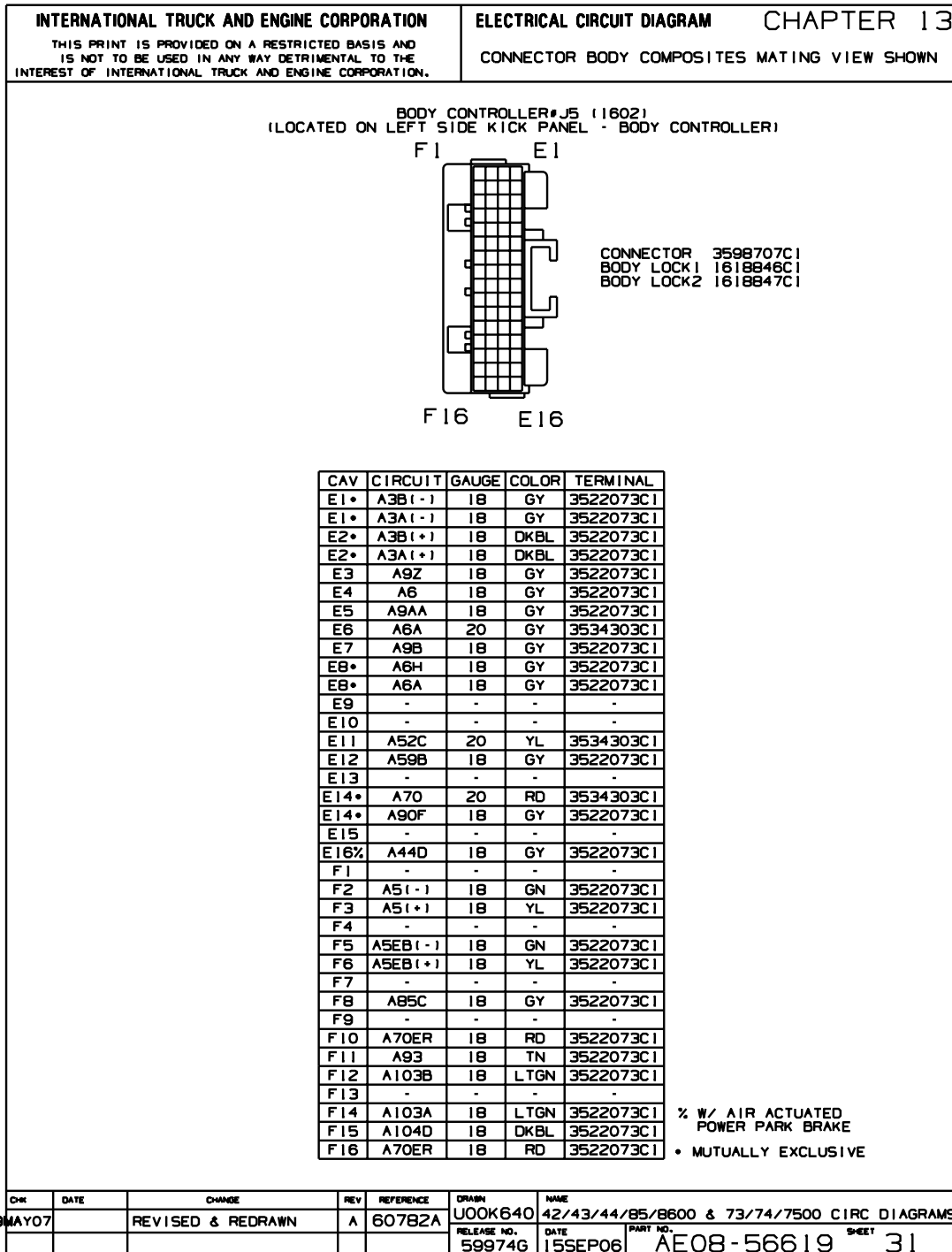


Figure 245 Connector Composite (1602)

13.34. CONNECTOR COMPOSITES (1603), (1604), (1620), (1623), P. 32

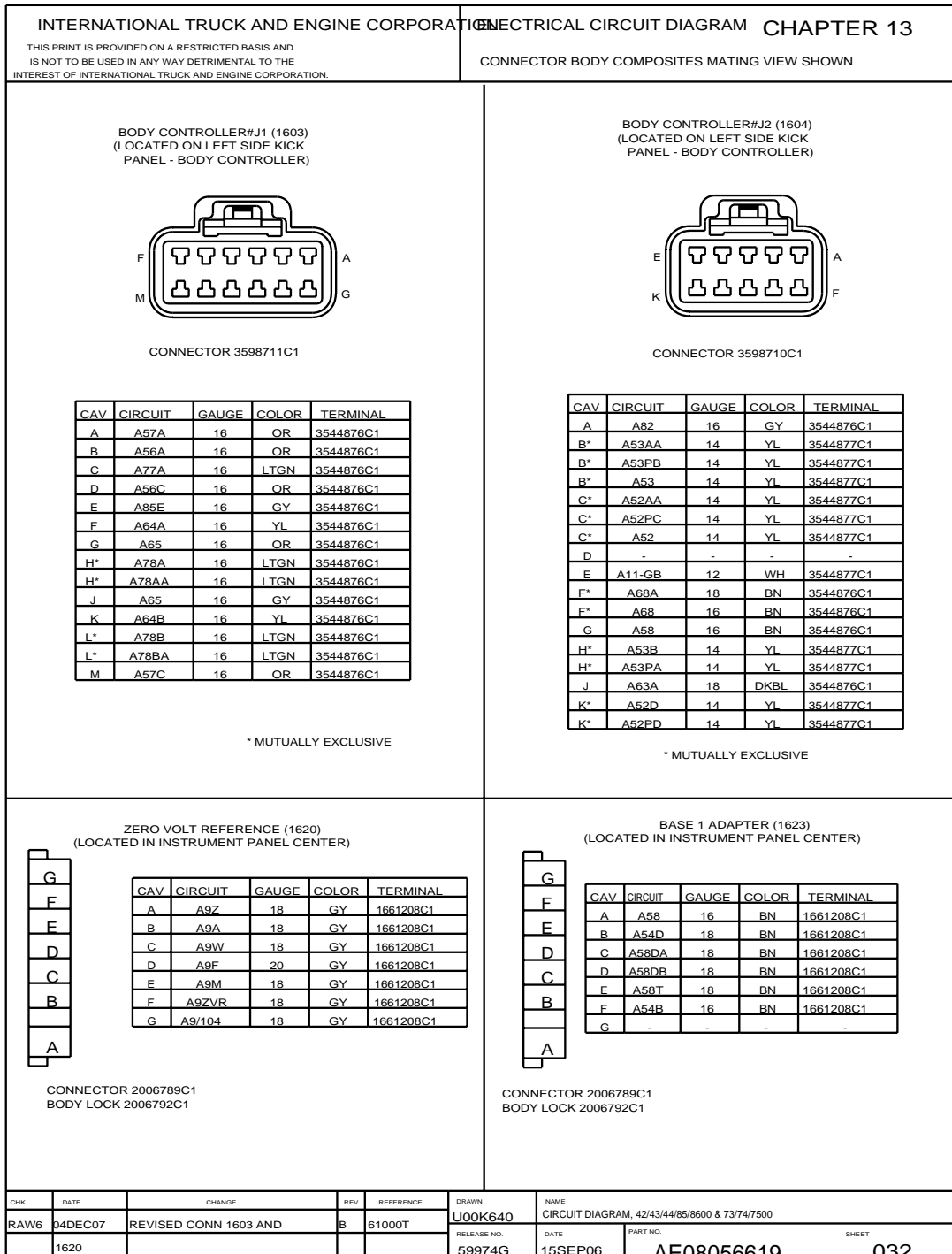


Figure 246 Connector Composites (1603), (1604), (1620), (1623)

13.35. CONNECTOR COMPOSITES (1625), (1626), (1650), (1657), P. 33

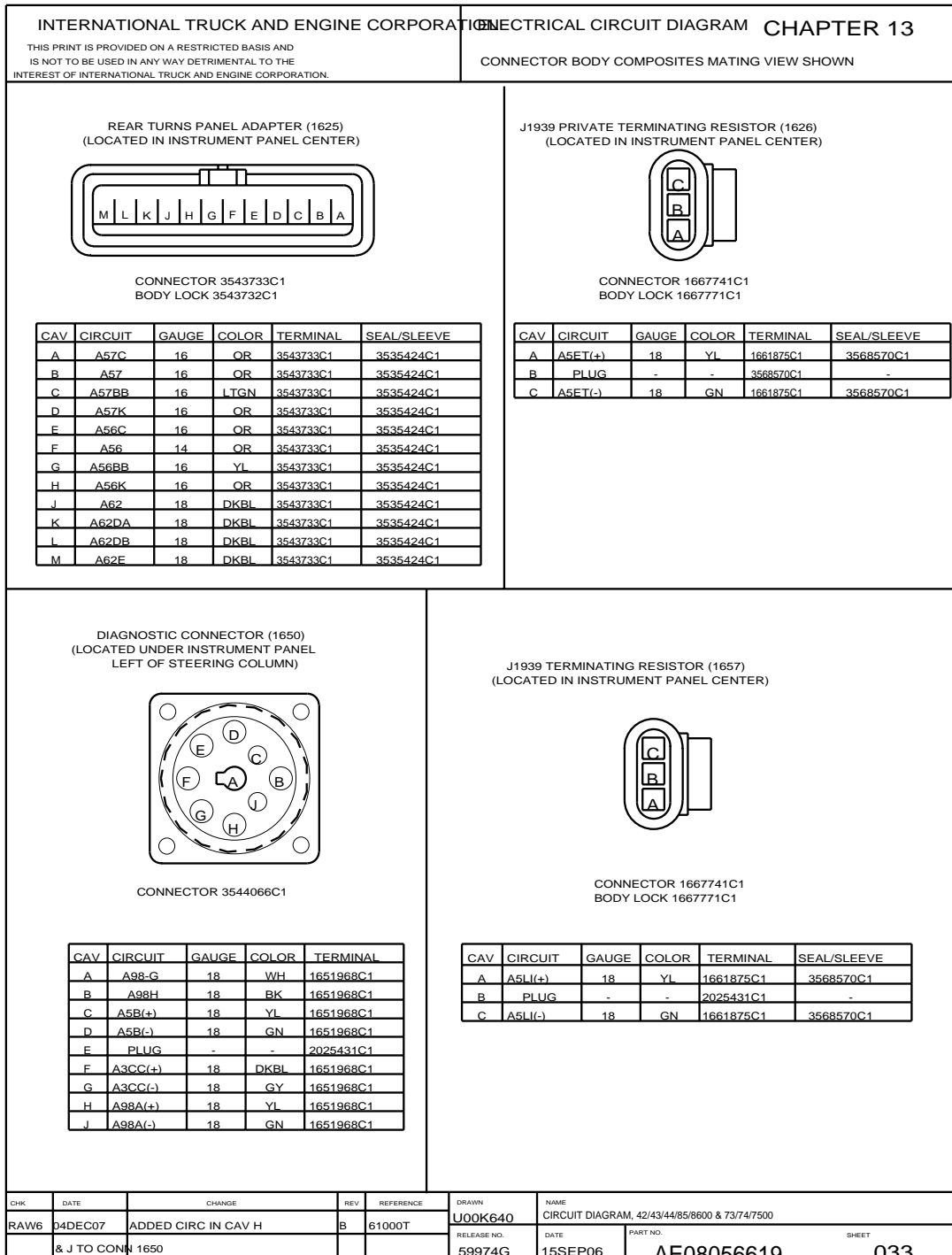


Figure 247 Connector Composites (1625), (1626), (1650), (1657)

13.36. CONNECTOR COMPOSITES (1660), (1661), P. 34

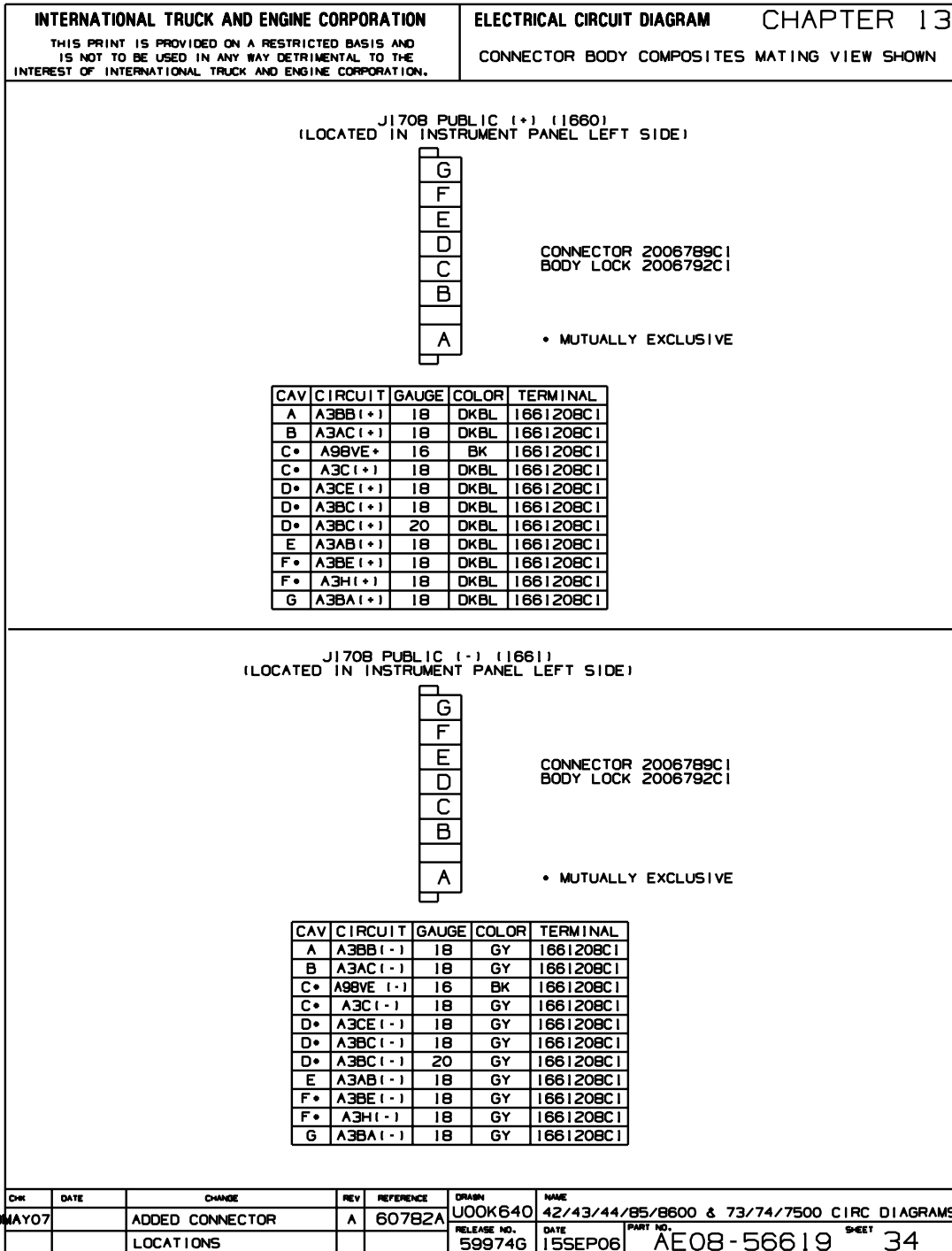
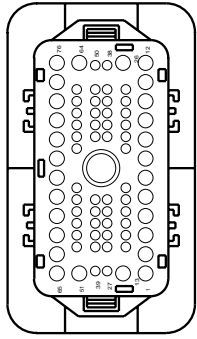


Figure 248 Connector Composites (1660), (1661)

13.37. CONNECTOR COMPOSITE (1700), P. 35

INTERNATIONAL TRUCK AND ENGINE CORPORATION				ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13					
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 BODY COMPOSITES MATING VIEW SHOWN					

FORWARD CHASSIS (1700)
/ DASH CONNECTOR
(LOCATED ON DASH PANEL
LEFT SIDE UPPER)



CONNECTOR 3595624C1

* W/ BENDIX AIR ABS
 ** W/ WABCO AIR ABS
 # W/ WABCO HYD ABS
 @ MUTUALLY EXCLUSIVE
 ## W/ AUTO APPLY PARK BRAKES
 & W/ COMPRESSOR / TANK FOR HYD CHASSIS
 % W/ WHEELCHAIR LIFT INTERLOCK OR W/ PARK BRAKE INTERLOCK

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	M52	14	YL	3549416C1	33#	M90B	18	GY	3549418C1
2	M53	14	YL	3549416C1	34**	M94AK	14	BN	3549417C1
3	M52D	14	YL	3549416C1	34*	M94H	18	GY	3549418C1
4	M53B	14	YL	3549416C1	34#	M94BF	18	GY	3549418C1
5	M54B	14	BN	3549416C1	35**	M94AJ	14	GN	3549417C1
6	M19A	16	GY	3549416C1	35*	M94J	18	GY	3549418C1
7	M19B	16	GY	3549416C1	35#	M94R+	18	BK	3549418C1
8	M53E	14	YL	3549416C1	36**	M94AH	14	BL	3549417C1
9	M53F	14	YL	3549416C1	36*	M94K	18	GY	3549418C1
10	M52B	14	YL	3549416C1	36#	M94R-	18	BN	3549418C1
11	M52E	14	YL	3549416C1	37	M67A	16	VT	3549417C1
12@	M103C	12	LTGN	3549415C1	38#	M10-GV	16	WH	3549417C1
12@	M14LP	10	RD	3549415C1	38&	M67B	16	VT	3549417C1
12@	M14WB	12	RD	3549415C1	39	M73R	16	LTGN	3549417C1
13@	M12BD	12	LTBL	3549415C1	40	M73M	16	LTGN	3549417C1
13@	M103D	12	LTGN	3549415C1	41	M73AF	16	LTGN	3549417C1
14	M56B	16	OR	3549417C1	42	M94SBB	16	GY	3549417C1
15	M57B	16	OR	3549417C1	43	M104CC	18	DKBL	3549418C1
16	M41	18	GY	3549418C1	44	M104CB	18	DKBL	3549418C1
17	M87C	18	GY	3549418C1	45	M89CE	18	PL	3549418C1
18	M9BB	18	GY	3549418C1	46	M89AR	18	PK	3549418C1
19@	M87KA	16	GY	3549417C1	47%	M44Y	16	GY	3549416C1
19#@	M61	18	GY	3549418C1	47##	M44J	18	GY	3549418C1
20@	M87BA	18	GY	3549418C1	48	M92#103	18	TN	3549418C1
20#@	M106A	18	GY	3549418C1	49	M92#101	18	TN	3549418C1
21	M85E	16	GY	3549417C1	50	M94SAB	16	GY	3549417C1
22	M64A	16	YL	3549417C1	51	M94SDB	16	GY	3549416C1
23	M64B	16	YL	3549417C1	52	M6VDC	18	GY	3549418C1
24	M67C	16	VT	3549417C1	53	M9VA	18	GY	3549418C1
25	M110AD	18	GY	3549418C1	54	MA1	18	GY	3549418C1
26	M67D	16	VT	3549416C1	55	MA2	18	GY	3549418C1
27&	M9A	18	GY	3549418C1	56	MA3	18	GY	3549418C1
27*	M94	18	GY	3549418C1	57	MA4	18	GY	3549418C1
27**	M94AB	14	BN	3549417C1	58	MA5	18	GY	3549418C1
28*	M94A	18	GY	3549418C1	59	M11-GM	18	GY	3549418C1
28**	M94AA	14	GN	3549417C1	60	M94SCB	16	GY	3549417C1
28&	M6A	18	GY	3549418C1	61	M44L	18	GY	3549418C1
29*	M94B	18	GY	3549418C1	62	PLUG	-	-	3598921C1
29**	M94AL	14	BL	3549417C1	63&%	M78BC	16	LTGN	3549417C1
29&	M40	18	GY	3549418C1	63%	M78BC	16	LTGN	3549416C1
30#	M94L+	18	BK	3549418C1	64	M78AC	16	LTGN	3549416C1
30*	M94C	18	GY	3549418C1	65	PLUG	-	-	3598921C1
30**	M94AC	18	BN	3549418C1	66	PLUG	-	-	3598921C1
31*	M94D	18	GY	3549418C1	67	PLUG	-	-	3598921C1
31**	M94AD	18	BK	3549418C1	68	PLUG	-	-	3598921C1
31#	M94L-	18	BN	3549418C1	69	M94SJ	16	GY	3549416C1
32*	M94E	18	GY	3549418C1	70	M94SK	16	GY	3549416C1
32**	M94AE	18	BN	3549418C1	71	M94SM	16	GY	3549416C1
32#	M90H	16	GY	3549417C1	72	M94SN	16	GY	3549416C1
33**	M94AF	18	BK	3549418C1	73	M94SL	16	GY	3549416C1
					74	M94SZC	16	GY	3549416C1
					75	M94SVC	16	GY	3549416C1
					76	M94SH	16	GY	3549416C1

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
RAW6	04DEC07	REVISED AND REDRAWN	B	61000T	U00K640	CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
					RELEASE NO.	PART NO.
					59974G	15SEP06 AE08056619
						SHEET 035

Figure 249 Connector Composite (1700)

13.38. CONNECTOR COMPOSITE (1700), P. 36

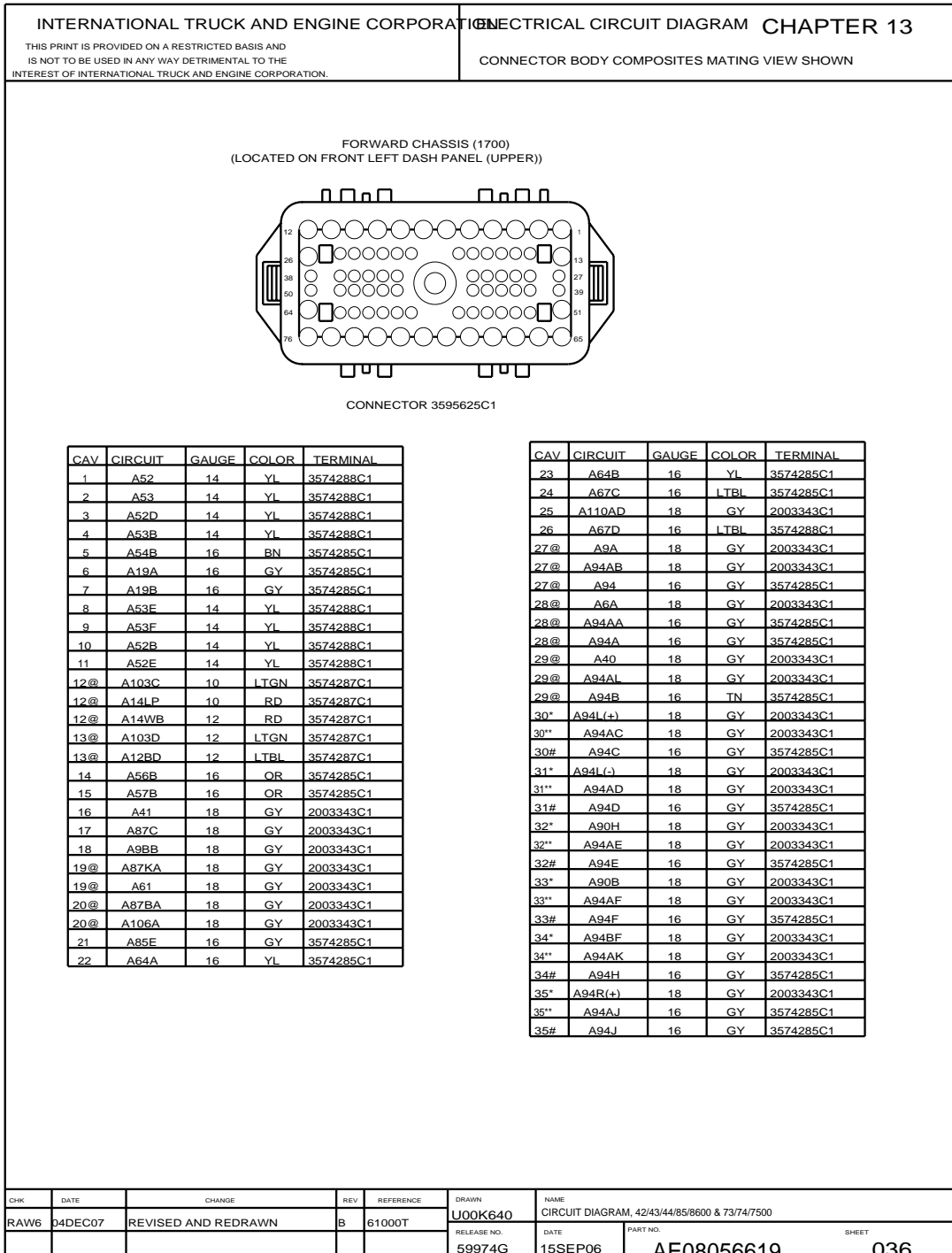


Figure 250 Connector Composite (1700)

13.39. CONNECTOR COMPOSITE (1700), P. 37

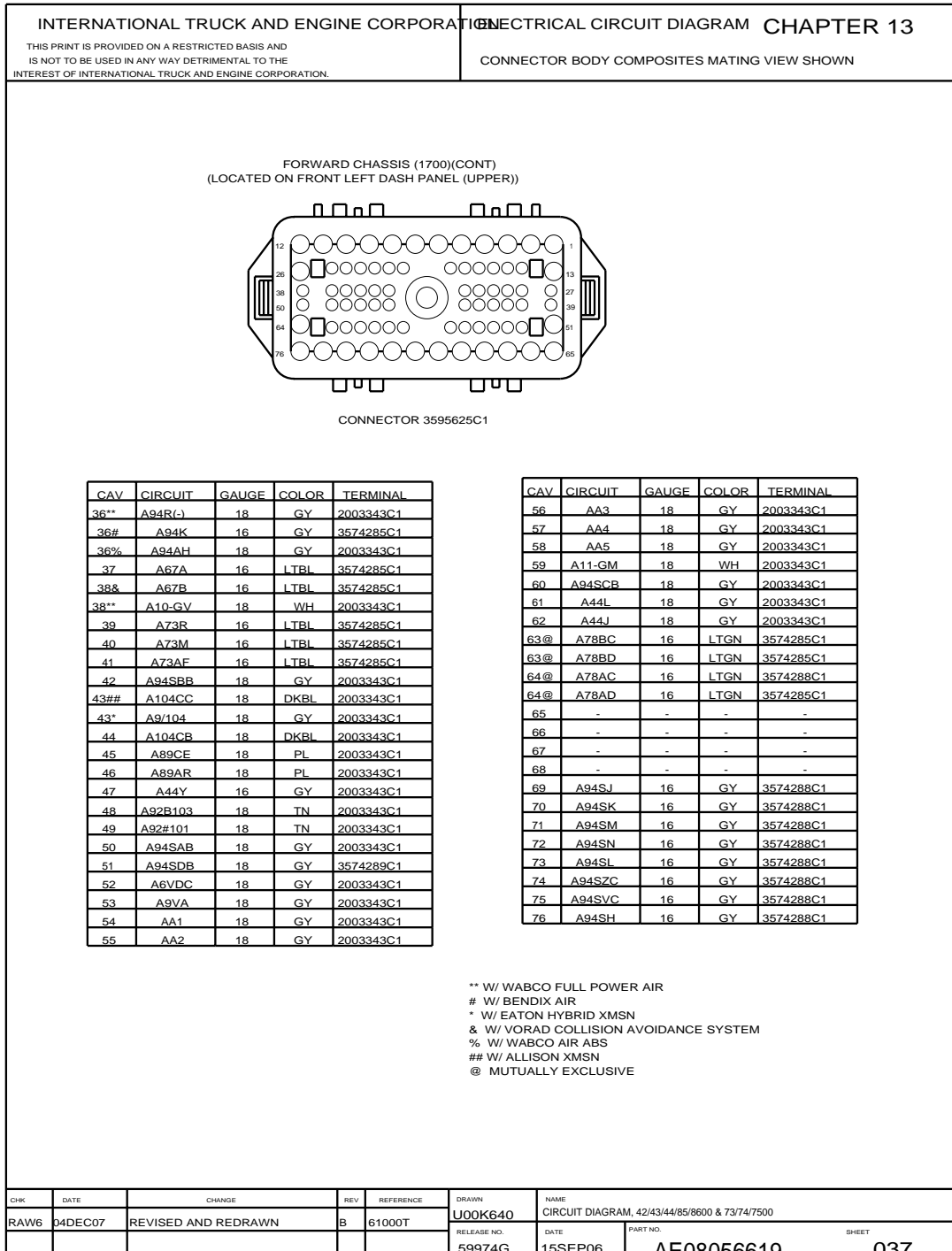


Figure 251 Connector Composite (1700)

13.40. CONNECTOR COMPOSITE (1701), P. 38

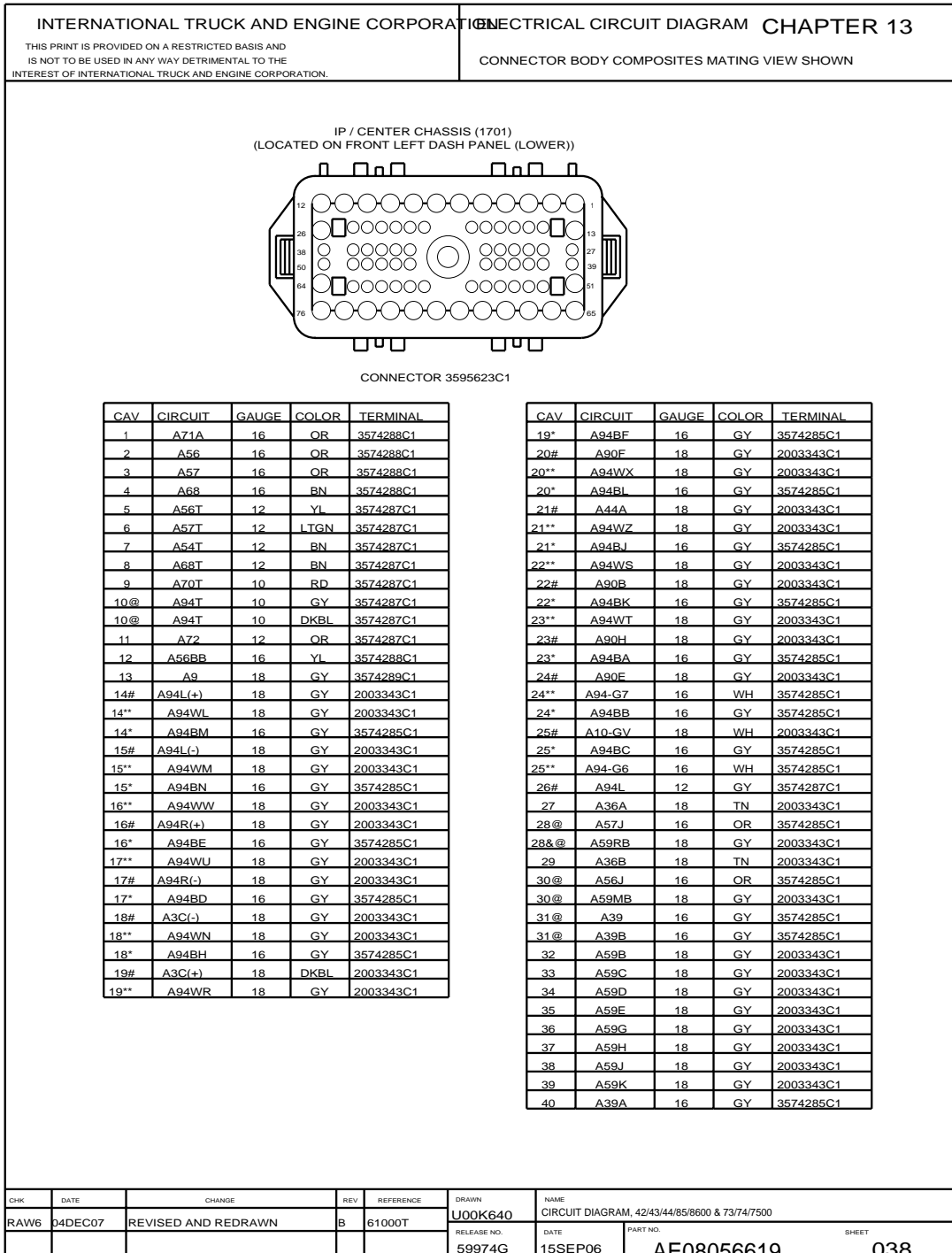


Figure 252 Connector Composite (1701)

13.41. CONNECTOR COMPOSITE (1701), P. 39

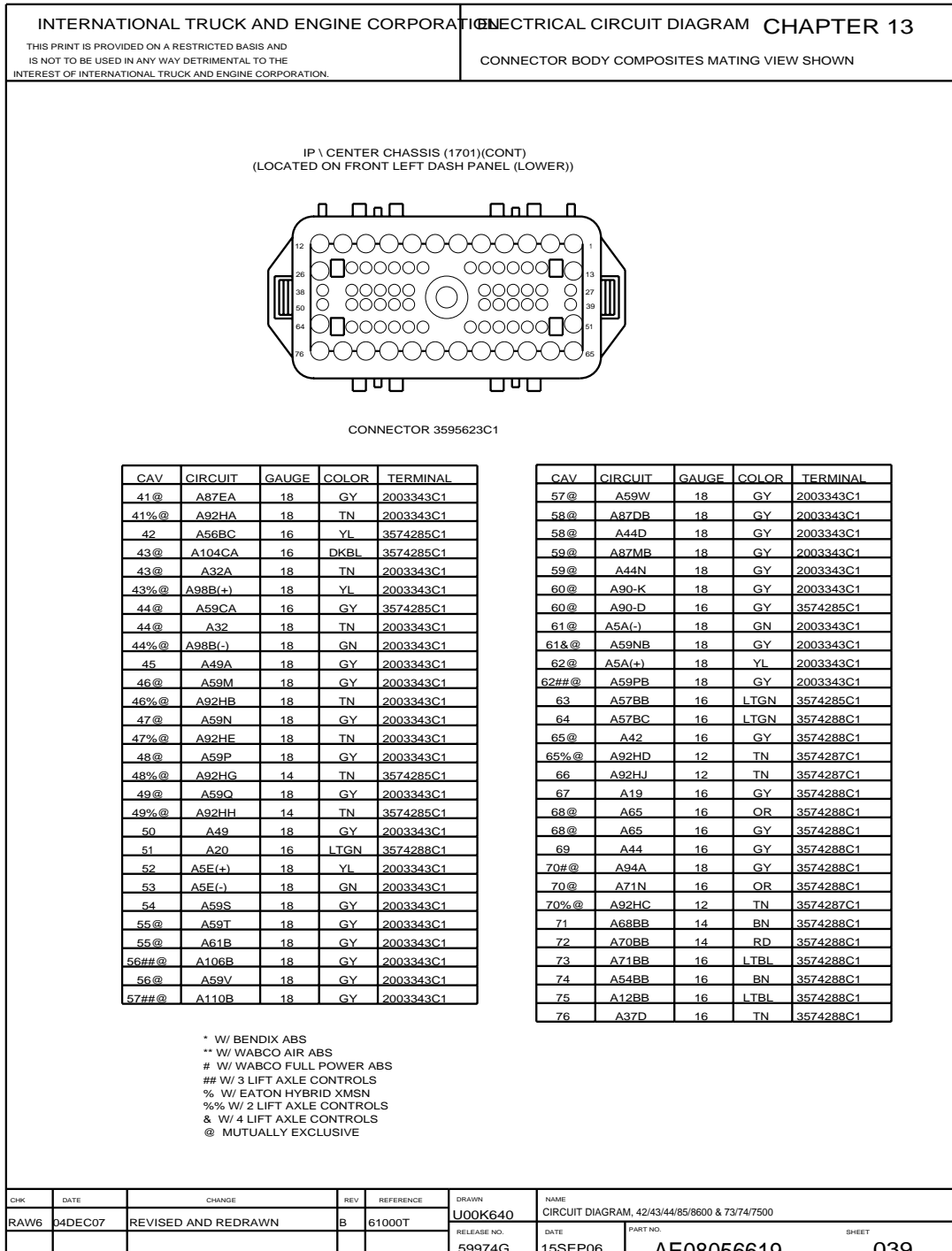


Figure 253 Connector Composite (1701)

13.42. CONNECTOR COMPOSITE (1701), P. 40

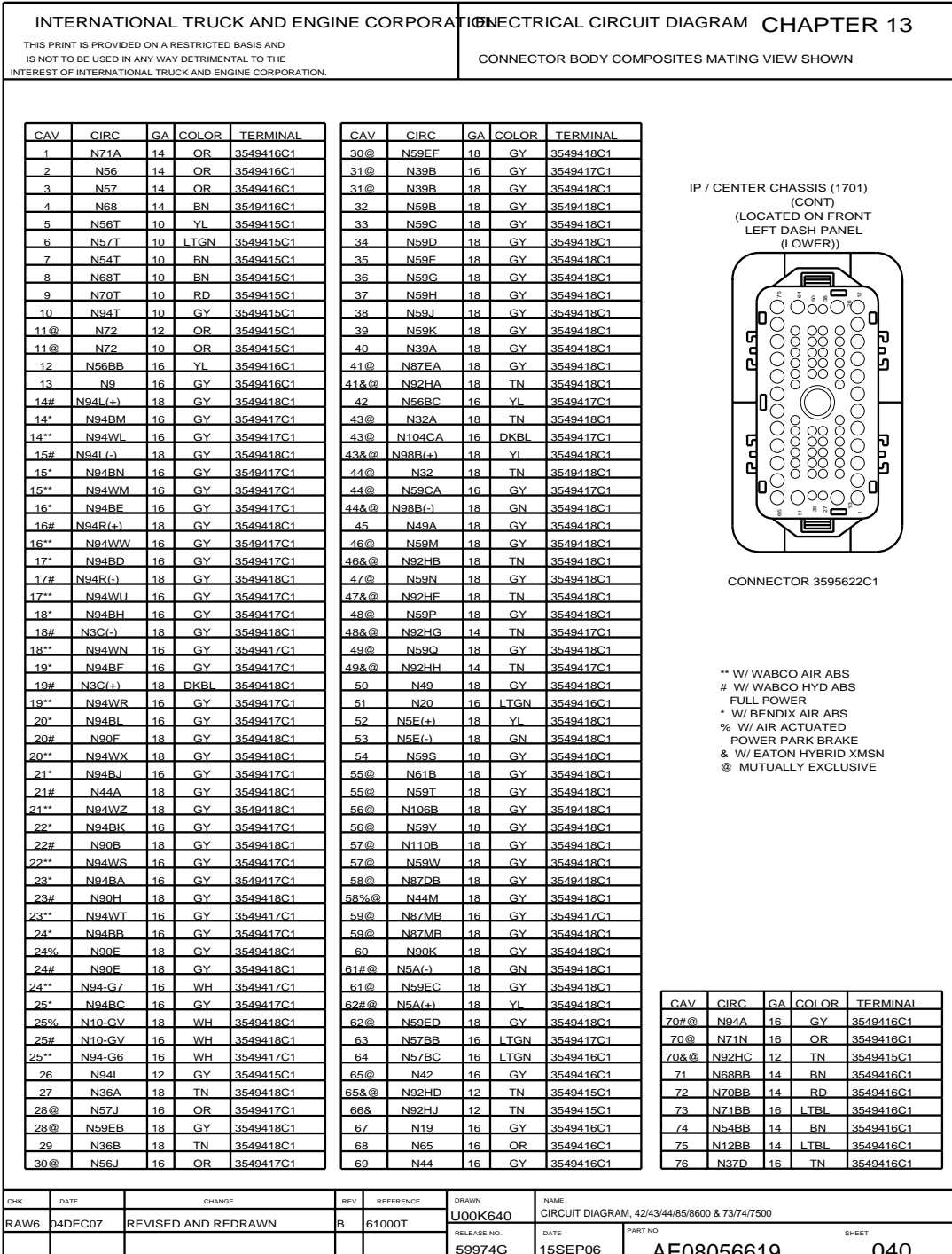


Figure 254 Connector Composite (1701)

13.43. CONNECTOR COMPOSITE (1702), P. 41

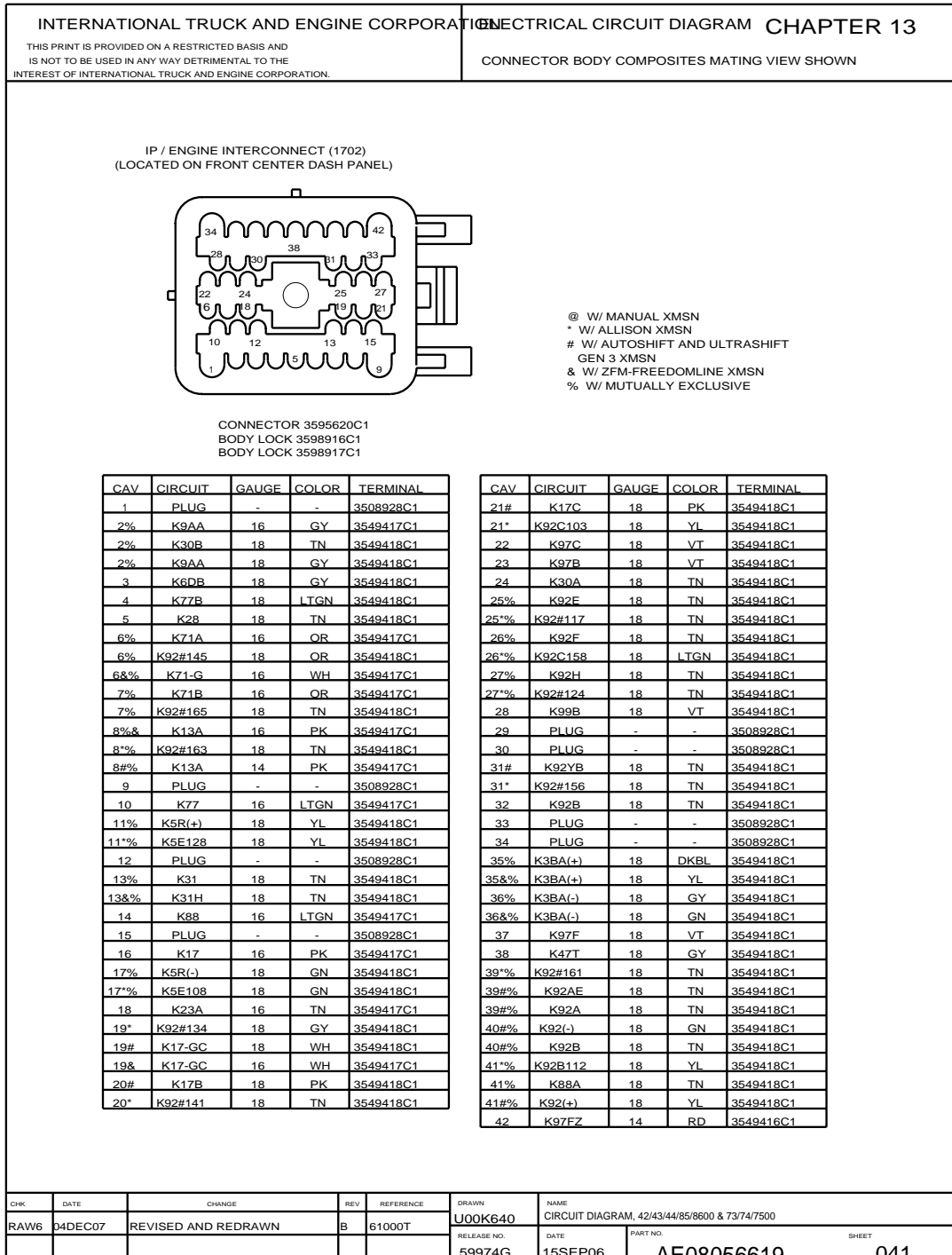


Figure 255 Connector Composite (1702)

13.44. CONNECTOR COMPOSITE (1702), P. 42

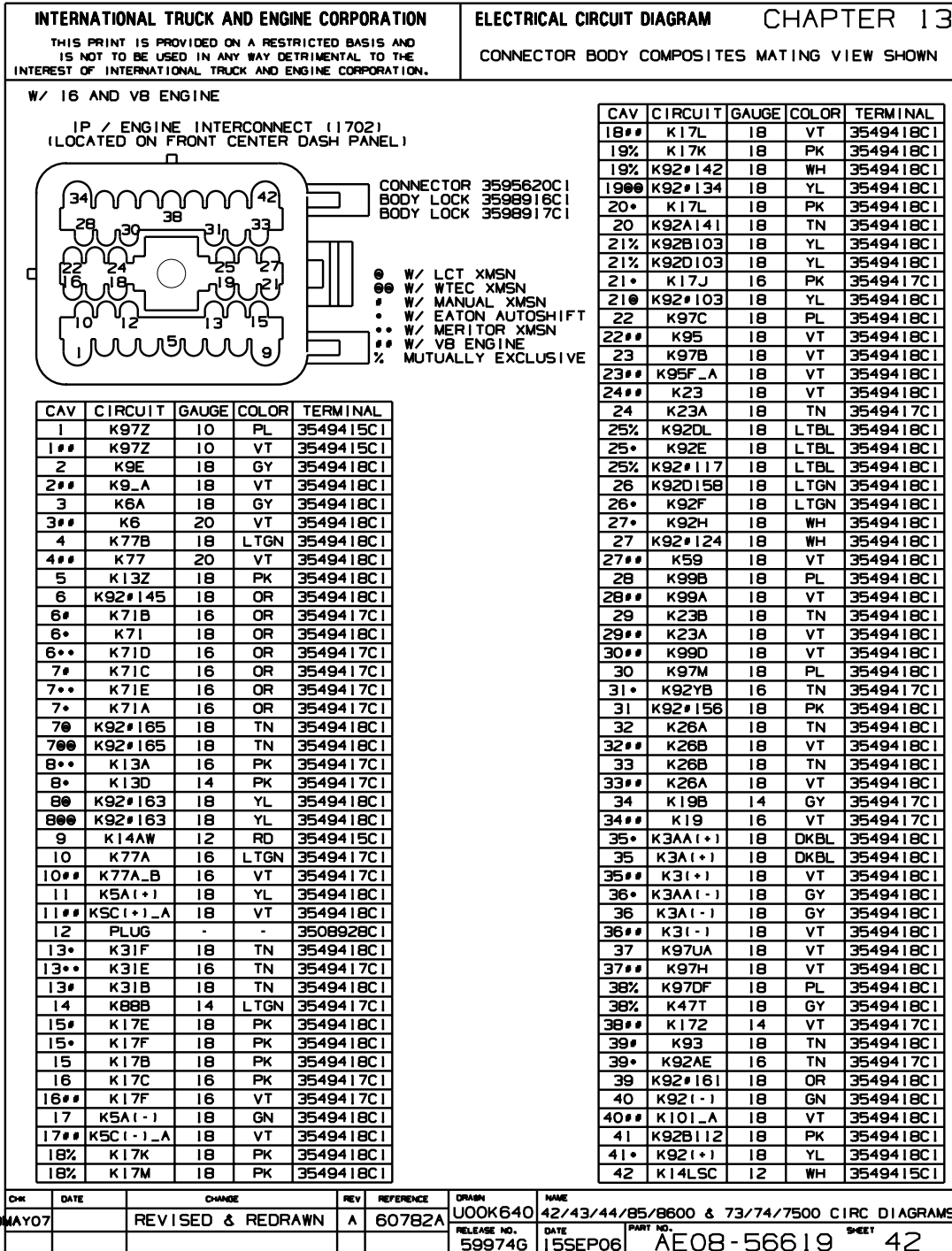


Figure 256 Connector Composite (1702)

13.45. CONNECTOR COMPOSITE (1702), P. 43

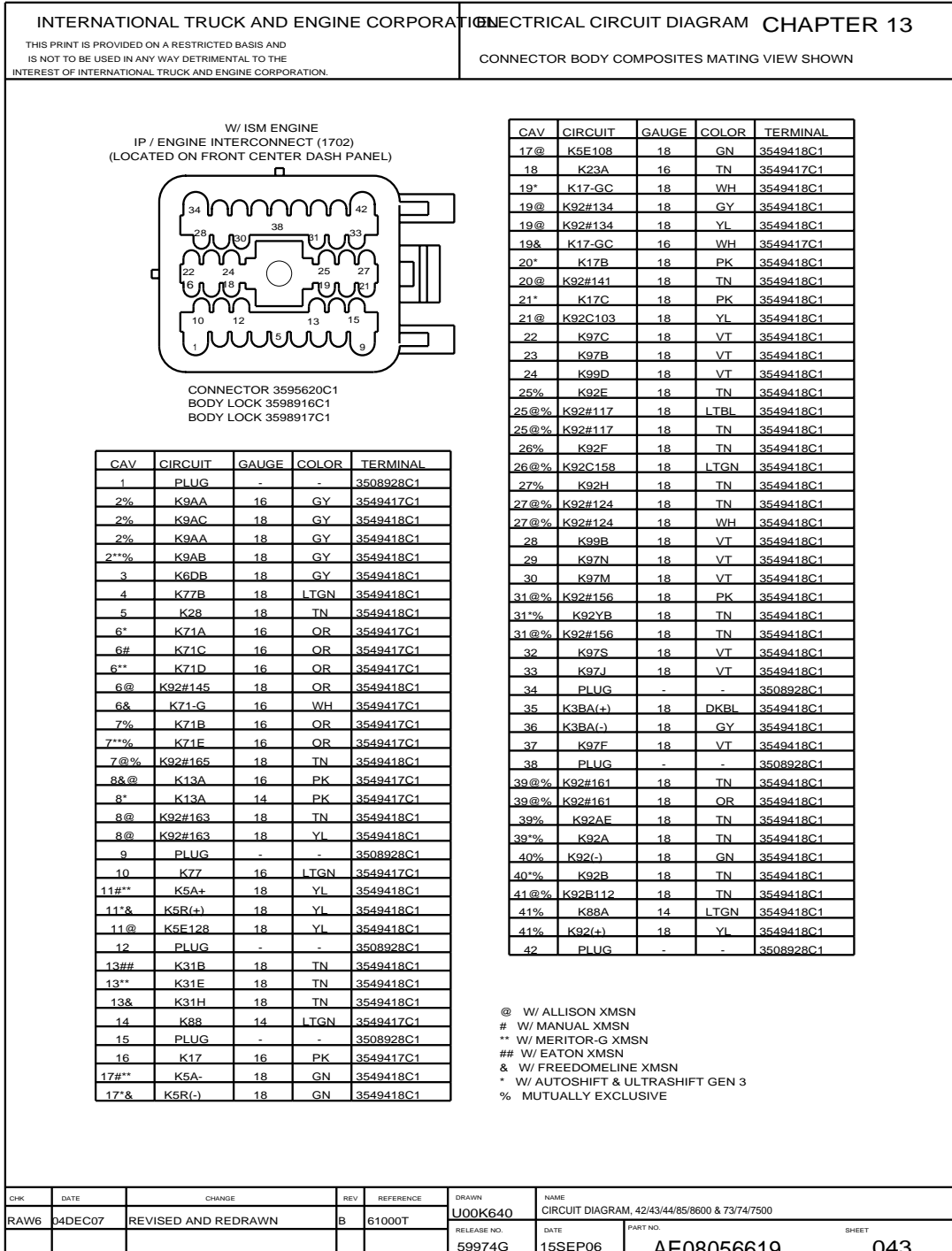


Figure 257 Connector Composite (1702)

13.46. CONNECTOR COMPOSITE (1702), P. 44

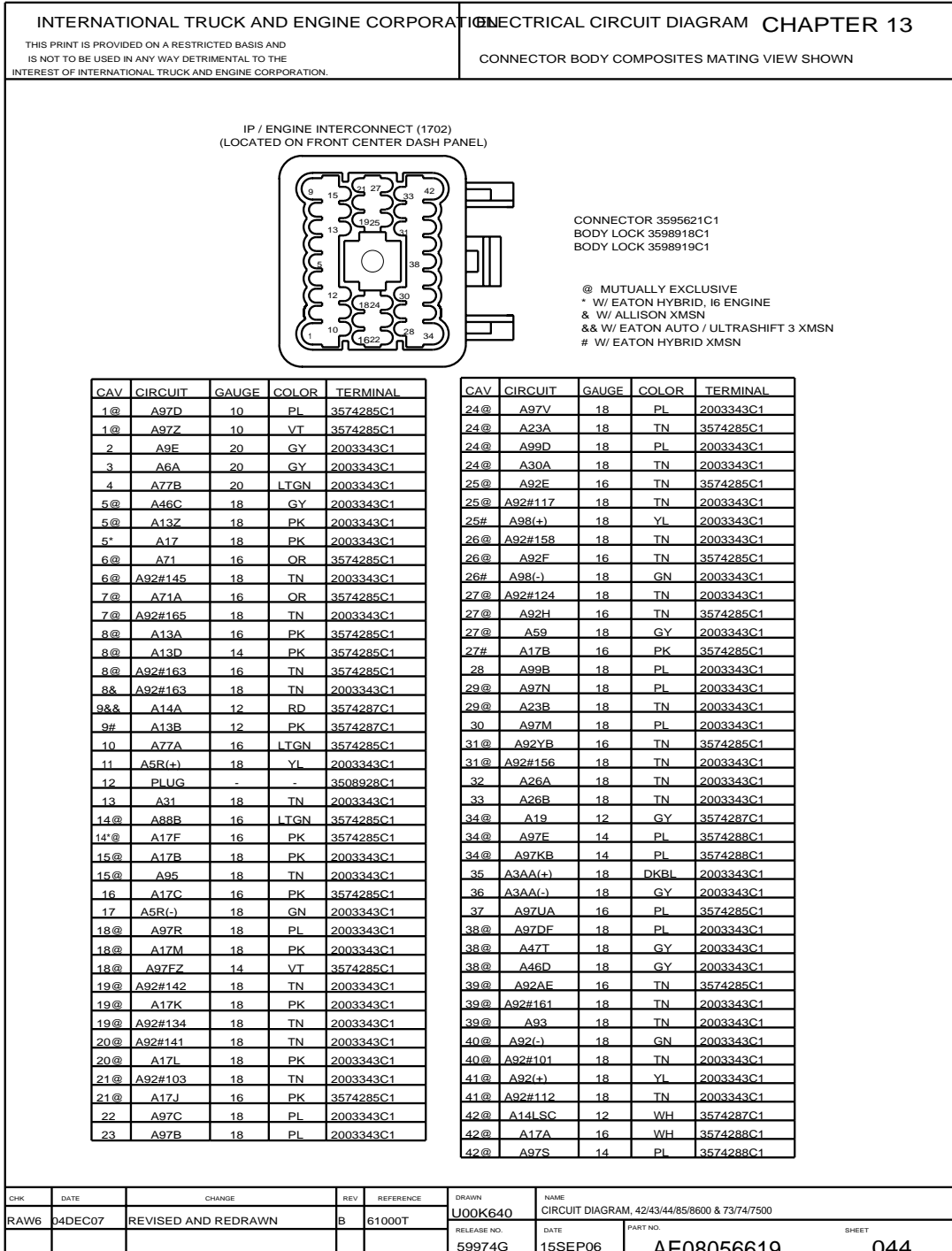


Figure 258 Connector Composite (1702)

13.47. CONNECTOR COMPOSITES (1800), P. 45

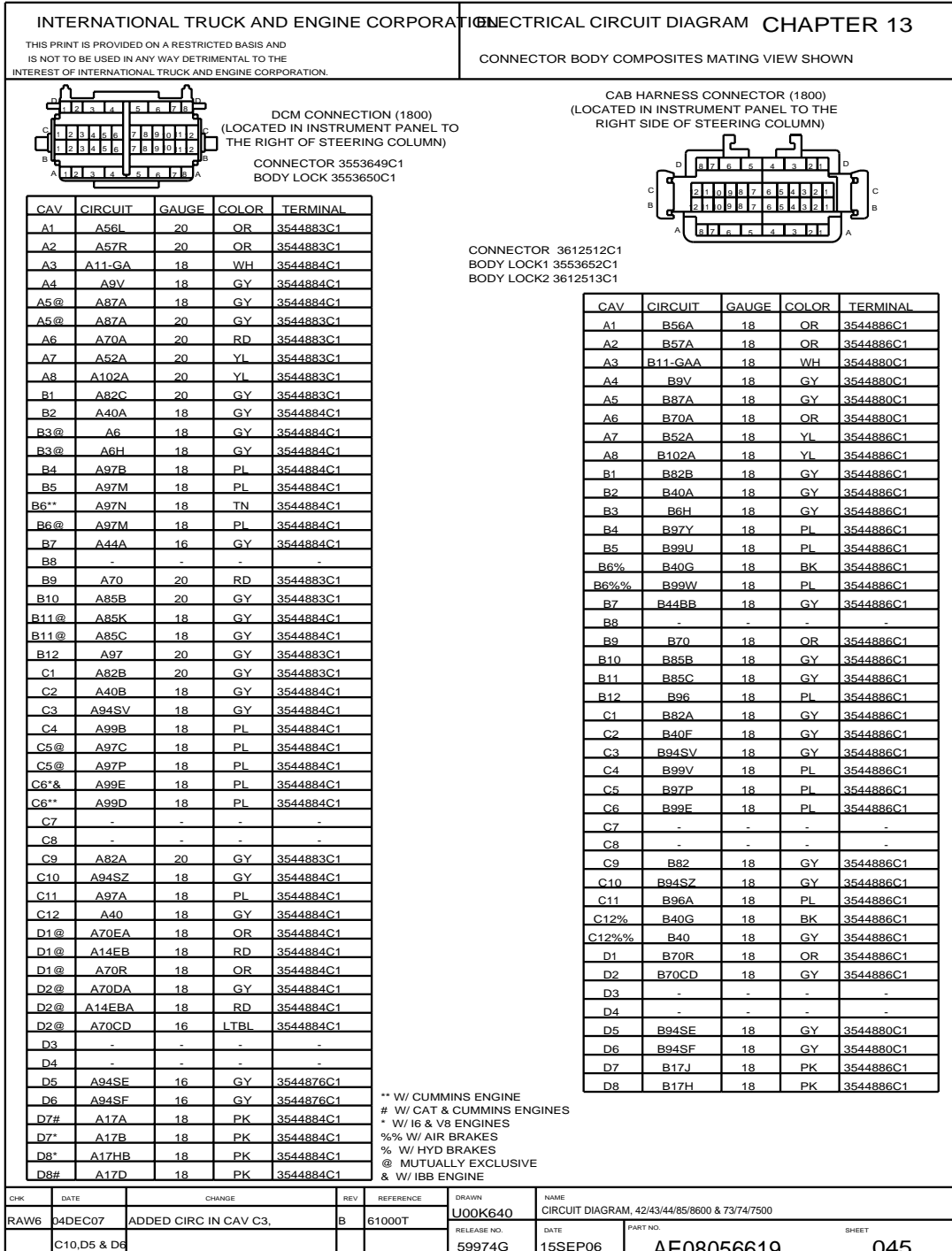


Figure 259 Connector Composites (1800)

13.48. CONNECTOR COMPOSITES (1804), (1807), (1808), P. 46

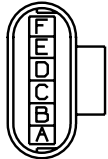
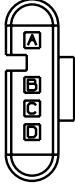
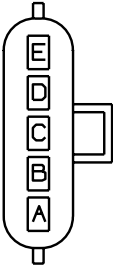
<p>INTERNATIONAL TRUCK AND ENGINE CORPORATION</p> <p>THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF INTERNATIONAL TRUCK AND ENGINE CORPORATION.</p>	<p>ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13</p> <p>CONNECTOR BODY COMPOSITES MATING VIEW SHOWN</p>																																				
<p style="text-align: center;">ACCELERATOR PEDAL (1804) (LOCATED ABOVE ACCELERATOR PEDAL)</p> <div style="display: flex; justify-content: space-around; align-items: center;">  <table border="1" style="border-collapse: collapse; text-align: center;"> <thead> <tr> <th>CAV</th> <th>CIRCUIT</th> <th>GAUGE</th> <th>COLOR</th> <th>TERMINAL</th> </tr> </thead> <tbody> <tr><td>A</td><td>B99V</td><td>18</td><td>PL</td><td>1651943C1</td></tr> <tr><td>B</td><td>B97Y</td><td>18</td><td>PL</td><td>1651943C1</td></tr> <tr><td>C</td><td>B97P</td><td>18</td><td>PL</td><td>1651943C1</td></tr> <tr><td>D</td><td>B99U</td><td>18</td><td>PL</td><td>1651943C1</td></tr> <tr><td>E</td><td>B99W</td><td>18</td><td>PL</td><td>1651943C1</td></tr> <tr><td>F</td><td>B99E</td><td>18</td><td>PL</td><td>1651943C1</td></tr> </tbody> </table> </div> <p style="text-align: center;">CONNECTOR 1687790C1</p>		CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	A	B99V	18	PL	1651943C1	B	B97Y	18	PL	1651943C1	C	B97P	18	PL	1651943C1	D	B99U	18	PL	1651943C1	E	B99W	18	PL	1651943C1	F	B99E	18	PL	1651943C1	
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL																																	
A	B99V	18	PL	1651943C1																																	
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D	B99U	18	PL	1651943C1																																	
E	B99W	18	PL	1651943C1																																	
F	B99E	18	PL	1651943C1																																	
<p style="text-align: center;">CLUTCH SWITCH (1807) (LOCATED ON CLUTCH PEDAL)</p> <div style="display: flex; justify-content: space-around; align-items: center;">  <table border="1" style="border-collapse: collapse; text-align: center;"> <thead> <tr> <th>CAV</th> <th>CIRCUIT</th> <th>GAUGE</th> <th>COLOR</th> <th>TERMINAL</th> <th>SEAL/SLEEVE</th> </tr> </thead> <tbody> <tr><td>A</td><td>B17J</td><td>18</td><td>PK</td><td>1667742C1</td><td>3568570C1</td></tr> <tr><td>B</td><td>B17H</td><td>18</td><td>PK</td><td>1667742C1</td><td>3568570C1</td></tr> <tr><td>C</td><td>B96A</td><td>18</td><td>PL</td><td>1667742C1</td><td>3568570C1</td></tr> <tr><td>D</td><td>B9VB</td><td>18</td><td>GY</td><td>1667742C1</td><td>3568570C1</td></tr> </tbody> </table> </div> <p style="text-align: center;">CONNECTOR 3540757C1 BODY LOCK 3540758C1</p>		CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE	A	B17J	18	PK	1667742C1	3568570C1	B	B17H	18	PK	1667742C1	3568570C1	C	B96A	18	PL	1667742C1	3568570C1	D	B9VB	18	GY	1667742C1	3568570C1						
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE																																
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D	B9VB	18	GY	1667742C1	3568570C1																																
<p style="text-align: center;">BACK-UP ALARM (1808) (LOCATED AT REAR END OF RIGHT FRAME RAIL)</p> <div style="display: flex; justify-content: space-around; align-items: center;">  <table border="1" style="border-collapse: collapse; text-align: center;"> <thead> <tr> <th>CAV</th> <th>CIRCUIT</th> <th>GAUGE</th> <th>COLOR</th> <th>TERMINAL</th> <th>SEAL/SLEEVE</th> </tr> </thead> <tbody> <tr><td>A</td><td>RD</td><td>16</td><td>RD</td><td>2033819C1</td><td>1652325C1</td></tr> <tr><td>B</td><td>PLUG</td><td></td><td></td><td></td><td>0587579C1</td></tr> <tr><td>C</td><td>PLUG</td><td></td><td></td><td></td><td>0587579C1</td></tr> <tr><td>D</td><td>PLUG</td><td></td><td></td><td></td><td>0587579C1</td></tr> <tr><td>E</td><td>BK</td><td>16</td><td>BK</td><td>2033819C1</td><td>1652325C1</td></tr> </tbody> </table> </div> <p style="text-align: center;">CONNECTOR 1661375C2 BODY LOCK 1661376C1</p>		CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE	A	RD	16	RD	2033819C1	1652325C1	B	PLUG				0587579C1	C	PLUG				0587579C1	D	PLUG				0587579C1	E	BK	16	BK	2033819C1	1652325C1
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE																																
A	RD	16	RD	2033819C1	1652325C1																																
B	PLUG				0587579C1																																
C	PLUG				0587579C1																																
D	PLUG				0587579C1																																
E	BK	16	BK	2033819C1	1652325C1																																
<table border="1" style="width: 100%; border-collapse: collapse; font-size: 8px;"> <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></td> <td>MAY07</td> <td>REVISED & REDRAWN</td> <td>A</td> <td>60782A</td> <td>UOOK640</td> <td>42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td>RELEASE NO. 59974G</td> <td>DATE 15SEP06 PART NO. AE08-56619 SHEET 46</td> </tr> </table>		CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME		MAY07	REVISED & REDRAWN	A	60782A	UOOK640	42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS						RELEASE NO. 59974G	DATE 15SEP06 PART NO. AE08-56619 SHEET 46															
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					RELEASE NO. 59974G	DATE 15SEP06 PART NO. AE08-56619 SHEET 46																															

Figure 260 Connector Composites (1804), (1807), (1808)

13.49. CONNECTOR COMPOSITES (1809), (1810), (1811), (1812), (1813), (1815), (1822),
 P. 47

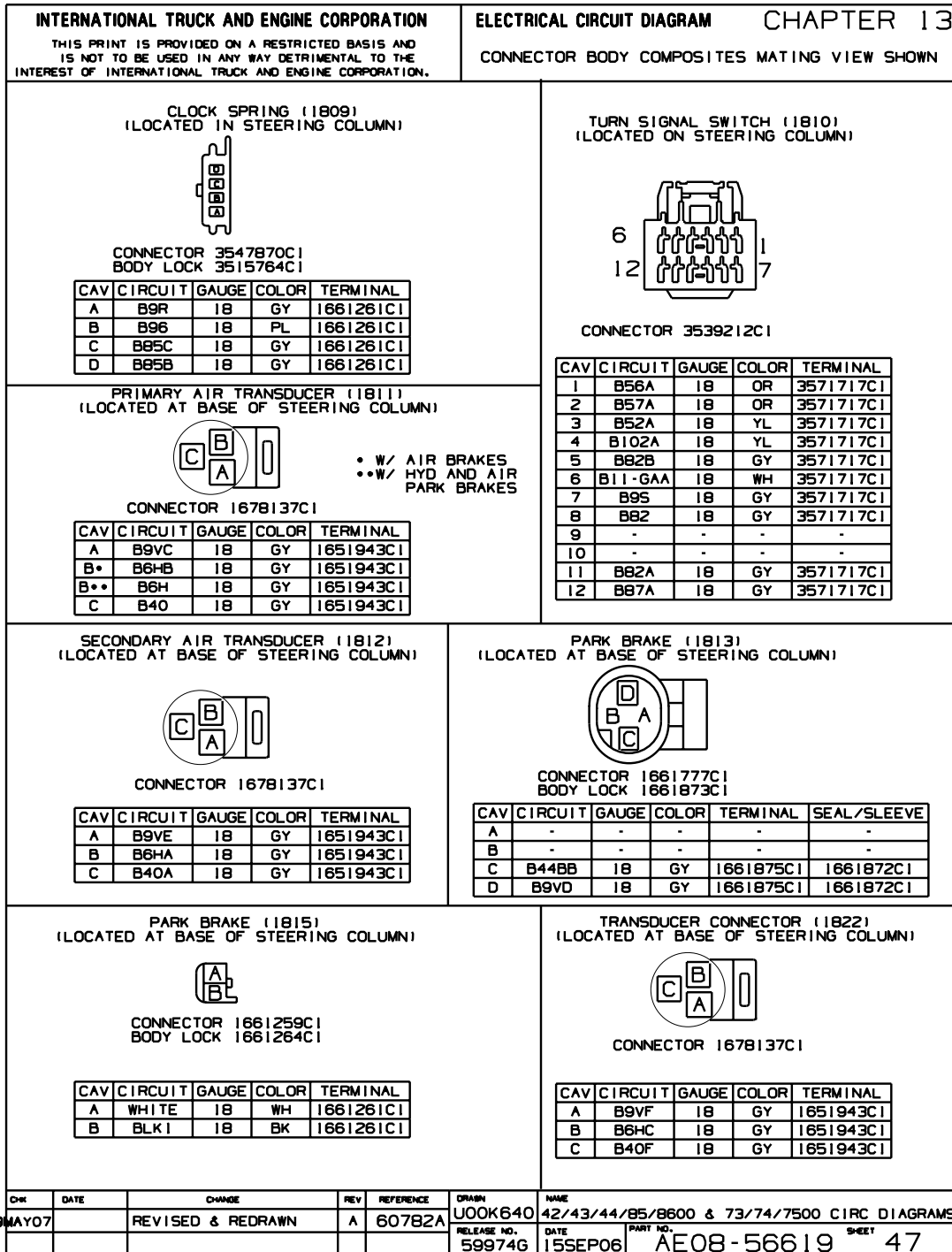


Figure 261 Connector Composites (1809), (1810), (1811), (1812), (1813), (1815), (1822)

13.50. CONNECTOR COMPOSITES (1820), (1821), P. 47A

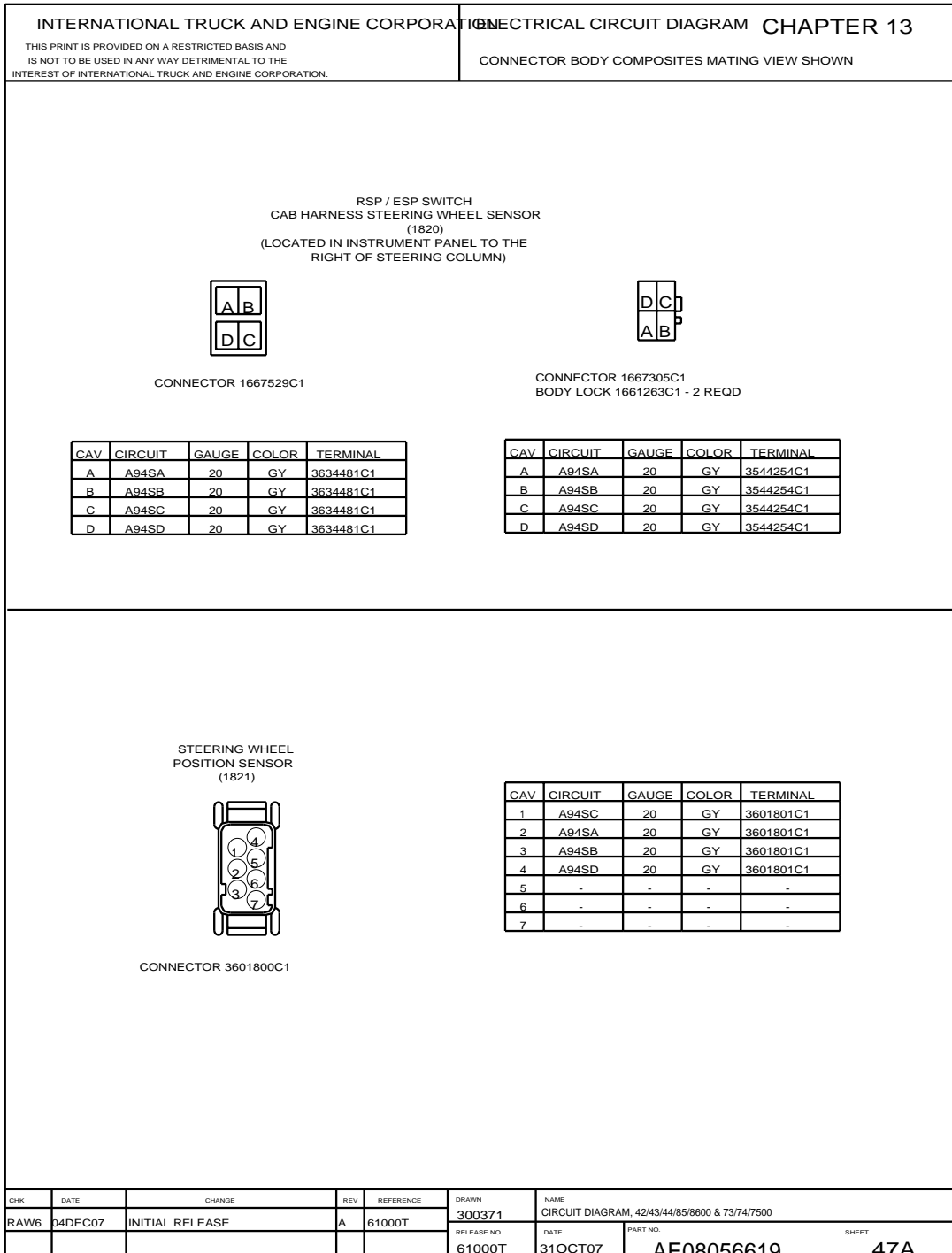


Figure 262 Connector Composites (1820), (1821)

13.51. CONNECTOR COMPOSITES (1823), (1824), (1825), (1826), (1827), P. 48

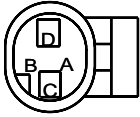
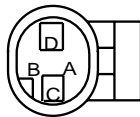
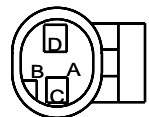
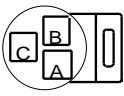
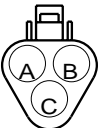
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<p>STOP LIGHT # 1 (1823) (LOCATED AT BASE OF STEERING COLUMN)</p>  <p>CONNECTOR 1661777C1 BODY LOCK 1661873C1</p>	<table border="1" style="width: 100%; border-collapse: collapse; font-size: x-small;"> <thead> <tr> <th>CAV</th> <th>CIRCUIT</th> <th>GAUGE</th> <th>COLOR</th> <th>TERMINAL</th> <th>SEAL/SLEEVE</th> </tr> </thead> <tbody> <tr><td>A</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>B</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>C</td><td>B70A</td><td>18</td><td>OR</td><td>1661875C1</td><td>1661872C1</td></tr> <tr><td>D</td><td>B9VG</td><td>18</td><td>GY</td><td>1661875C1</td><td>1661872C1</td></tr> </tbody> </table>	CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE	A	-	-	-	-	-	B	-	-	-	-	-	C	B70A	18	OR	1661875C1	1661872C1	D	B9VG	18	GY	1661875C1	1661872C1
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE																										
A	-	-	-	-	-																										
B	-	-	-	-	-																										
C	B70A	18	OR	1661875C1	1661872C1																										
D	B9VG	18	GY	1661875C1	1661872C1																										
<p>STOP LIGHT # 2 (1824) (LOCATED AT BASE OF STEERING COLUMN)</p>  <p>CONNECTOR 1661777C1 BODY LOCK 1661873C1</p>	<table border="1" style="width: 100%; border-collapse: collapse; font-size: x-small;"> <thead> <tr> <th>CAV</th> <th>CIRCUIT</th> <th>GAUGE</th> <th>COLOR</th> <th>TERMINAL</th> <th>SEAL/SLEEVE</th> </tr> </thead> <tbody> <tr><td>A</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>B</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>C</td><td>B70</td><td>18</td><td>OR</td><td>1661875C1</td><td>1661872C1</td></tr> <tr><td>D</td><td>B9VH</td><td>18</td><td>GY</td><td>1661875C1</td><td>1661872C1</td></tr> </tbody> </table>	CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE	A	-	-	-	-	-	B	-	-	-	-	-	C	B70	18	OR	1661875C1	1661872C1	D	B9VH	18	GY	1661875C1	1661872C1
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE																										
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B	-	-	-	-	-																										
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D	B9VH	18	GY	1661875C1	1661872C1																										
<p>BRAKE PRESSURE SWITCH (1825) (LOCATED AT BASE OF STEERING COLUMN)</p>  <p>CONNECTOR 1661777C1 BODY LOCK 1661873C1</p>	<table border="1" style="width: 100%; border-collapse: collapse; font-size: x-small;"> <thead> <tr> <th>CAV</th> <th>CIRCUIT</th> <th>GAUGE</th> <th>COLOR</th> <th>TERMINAL</th> <th>SEAL/SLEEVE</th> </tr> </thead> <tbody> <tr><td>A</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>B</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>C</td><td>B70R</td><td>18</td><td>OR</td><td>1661875C1</td><td>1661872C1</td></tr> <tr><td>D</td><td>B70CD</td><td>18</td><td>GY</td><td>1661875C1</td><td>1661872C1</td></tr> </tbody> </table>	CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE	A	-	-	-	-	-	B	-	-	-	-	-	C	B70R	18	OR	1661875C1	1661872C1	D	B70CD	18	GY	1661875C1	1661872C1
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE																										
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B	-	-	-	-	-																										
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D	B70CD	18	GY	1661875C1	1661872C1																										
<p>ABS PRIMARY AIR TRANSDUCER (1826)</p>  <p>CONNECTOR 1678137C1</p>	<table border="1" style="width: 100%; border-collapse: collapse; font-size: x-small;"> <thead> <tr> <th>CAV</th> <th>CIRCUIT</th> <th>GAUGE</th> <th>COLOR</th> <th>TERMINAL</th> </tr> </thead> <tbody> <tr><td>A</td><td>A94SZA</td><td>18</td><td>GY</td><td>1651943C1</td></tr> <tr><td>B</td><td>A94SVA</td><td>18</td><td>GY</td><td>1651943C1</td></tr> <tr><td>C</td><td>A94SE</td><td>18</td><td>GY</td><td>1651943C1</td></tr> </tbody> </table>	CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	A	A94SZA	18	GY	1651943C1	B	A94SVA	18	GY	1651943C1	C	A94SE	18	GY	1651943C1										
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL																											
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B	A94SVA	18	GY	1651943C1																											
C	A94SE	18	GY	1651943C1																											
<p>ACCELERATOR PEDAL MODULE (1827) (LOCATED ABOVE ACCELERATOR PEDAL)</p>  <p>CONNECTOR 3601919C1</p>	<table border="1" style="width: 100%; border-collapse: collapse; font-size: x-small;"> <thead> <tr> <th>CAV</th> <th>CIRCUIT</th> <th>GAUGE</th> <th>COLOR</th> <th>TERMINAL</th> </tr> </thead> <tbody> <tr><td>A</td><td>B97P</td><td>18</td><td>PL</td><td>1680205C1</td></tr> <tr><td>B</td><td>B97Y</td><td>18</td><td>PL</td><td>1680205C1</td></tr> <tr><td>C</td><td>B99V</td><td>18</td><td>PL</td><td>1680205C1</td></tr> </tbody> </table>	CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	A	B97P	18	PL	1680205C1	B	B97Y	18	PL	1680205C1	C	B99V	18	PL	1680205C1										
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C	B99V	18	PL	1680205C1																											
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Figure 263 Connector Composites (1823), (1824), (1825), (1826), (1827)

13.52. CONNECTOR COMPOSITES (1828), (1852), (1860), P. 48A

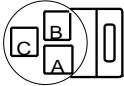
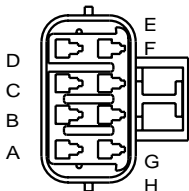
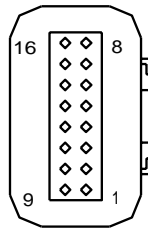

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<p>ABS SECONDARY AIR TRANSDUCER (1828)</p>  <p>CONNECTOR 1678137C1</p>	<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>CAV</th> <th>CIRCUIT</th> <th>GAUGE</th> <th>COLOR</th> <th>TERMINAL</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>B94SZB</td> <td>18</td> <td>GY</td> <td>1651943C1</td> </tr> <tr> <td>B</td> <td>B94SVB</td> <td>18</td> <td>GY</td> <td>1651943C1</td> </tr> <tr> <td>C</td> <td>B94SF</td> <td>18</td> <td>GY</td> <td>1651943C1</td> </tr> </tbody> </table>	CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	A	B94SZB	18	GY	1651943C1	B	B94SVB	18	GY	1651943C1	C	B94SF	18	GY	1651943C1																																																																	
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B	B94SVB	18	GY	1651943C1																																																																																		
C	B94SF	18	GY	1651943C1																																																																																		
<p>LCT COLUMN SHIFTER (1828) (LOCATED ON THE BACK OF LCT SHIFT SELECTOR)</p>  <p>CONNECTOR 3525872C1 BODY LOCK 3525873C1</p>	<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>CAV</th> <th>CIRCUIT</th> <th>GAUGE</th> <th>COLOR</th> <th>TERMINAL</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>PLUG</td> <td>-</td> <td>-</td> <td>2025431C1</td> </tr> <tr> <td>B</td> <td>A92-GG</td> <td>18</td> <td>WH</td> <td>1661875C1</td> </tr> <tr> <td>C</td> <td>A92A163</td> <td>18</td> <td>TN</td> <td>1661875C1</td> </tr> <tr> <td>D</td> <td>A92D</td> <td>18</td> <td>TN</td> <td>1661875C1</td> </tr> <tr> <td>E</td> <td>A92#142</td> <td>18</td> <td>TN</td> <td>1661875C1</td> </tr> <tr> <td>F@</td> <td>A92#103</td> <td>18</td> <td>TN</td> <td>1661875C1</td> </tr> <tr> <td>F*</td> <td>A92A103</td> <td>18</td> <td>TN</td> <td>1661875C1</td> </tr> <tr> <td>G</td> <td>A44L</td> <td>18</td> <td>GY</td> <td>1661875C1</td> </tr> <tr> <td>H</td> <td>A92AG</td> <td>18</td> <td>TN</td> <td>1661875C1</td> </tr> </tbody> </table> <p style="font-size: small;">* W/ WHEELCHAIR LIFT INTERLOCK @ W/ LCT COLUMN SHIFTER</p>	CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	A	PLUG	-	-	2025431C1	B	A92-GG	18	WH	1661875C1	C	A92A163	18	TN	1661875C1	D	A92D	18	TN	1661875C1	E	A92#142	18	TN	1661875C1	F@	A92#103	18	TN	1661875C1	F*	A92A103	18	TN	1661875C1	G	A44L	18	GY	1661875C1	H	A92AG	18	TN	1661875C1																																			
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<p>SHIFT SELECTOR (1852) (LOCATED IN INSTRUMENT PANEL NEAR SHIFTER)</p>  <p>CONNECTOR 3605446C91</p>	<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>CAV</th> <th>CIRCUIT</th> <th>GAUGE</th> <th>COLOR</th> <th>TERMINAL</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>PLUG</td> <td>-</td> <td>-</td> <td>3518314C1</td> </tr> <tr> <td>2</td> <td>PLUG</td> <td>-</td> <td>-</td> <td>3518314C1</td> </tr> <tr> <td>3</td> <td>A62BE</td> <td>18</td> <td>GY</td> <td>3517243C1</td> </tr> <tr> <td>4</td> <td>PLUG</td> <td>-</td> <td>-</td> <td>3518314C1</td> </tr> <tr> <td>5</td> <td>A92-GG</td> <td>18</td> <td>WH</td> <td>3517243C1</td> </tr> <tr> <td>6</td> <td>PLUG</td> <td>-</td> <td>-</td> <td>3518314C1</td> </tr> <tr> <td>7</td> <td>PLUG</td> <td>-</td> <td>-</td> <td>3518314C1</td> </tr> <tr> <td>8</td> <td>A5FA(+)</td> <td>18</td> <td>YL</td> <td>3517243C1</td> </tr> <tr> <td>9</td> <td>PLUG</td> <td>-</td> <td>-</td> <td>3518314C1</td> </tr> <tr> <td>10</td> <td>PLUG</td> <td>-</td> <td>-</td> <td>3518314C1</td> </tr> <tr> <td>11</td> <td>A92#134</td> <td>18</td> <td>TN</td> <td>3517243C1</td> </tr> <tr> <td>12</td> <td>A92A163</td> <td>18</td> <td>TN</td> <td>3517243C1</td> </tr> <tr> <td>13</td> <td>A92BT</td> <td>18</td> <td>TN</td> <td>3517243C1</td> </tr> <tr> <td>14</td> <td>PLUG</td> <td>-</td> <td>-</td> <td>3518314C1</td> </tr> <tr> <td>15</td> <td>A5FA(-)</td> <td>18</td> <td>GN</td> <td>3517243C1</td> </tr> <tr> <td>16</td> <td>PLUG</td> <td>-</td> <td>-</td> <td>3518314C1</td> </tr> </tbody> </table>	CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	1	PLUG	-	-	3518314C1	2	PLUG	-	-	3518314C1	3	A62BE	18	GY	3517243C1	4	PLUG	-	-	3518314C1	5	A92-GG	18	WH	3517243C1	6	PLUG	-	-	3518314C1	7	PLUG	-	-	3518314C1	8	A5FA(+)	18	YL	3517243C1	9	PLUG	-	-	3518314C1	10	PLUG	-	-	3518314C1	11	A92#134	18	TN	3517243C1	12	A92A163	18	TN	3517243C1	13	A92BT	18	TN	3517243C1	14	PLUG	-	-	3518314C1	15	A5FA(-)	18	GN	3517243C1	16	PLUG	-	-	3518314C1
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<p>CIGAR LIGHTER POWER SOURCE (1860) (LOCATED IN INSTRUMENT PANEL CENTER)</p>  <p>CONNECTOR 3613000C1</p>	<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>CAV</th> <th>CIRCUIT</th> <th>GAUGE</th> <th>COLOR</th> <th>TERMINAL</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>A86-GA</td> <td>14</td> <td>WH</td> <td>3534165C1</td> </tr> <tr> <td>B</td> <td>A86M</td> <td>14</td> <td>LTGN</td> <td>3534165C1</td> </tr> <tr> <td>C</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> </tr> </tbody> </table>	CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	A	A86-GA	14	WH	3534165C1	B	A86M	14	LTGN	3534165C1	C	-	-	-	-																																																																	
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Figure 264 Connector Composites (1828), (1852), (1860)

13.53. CONNECTOR COMPOSITES (1861), (1872), (1873), (1874), (1875), (1900), P. 49

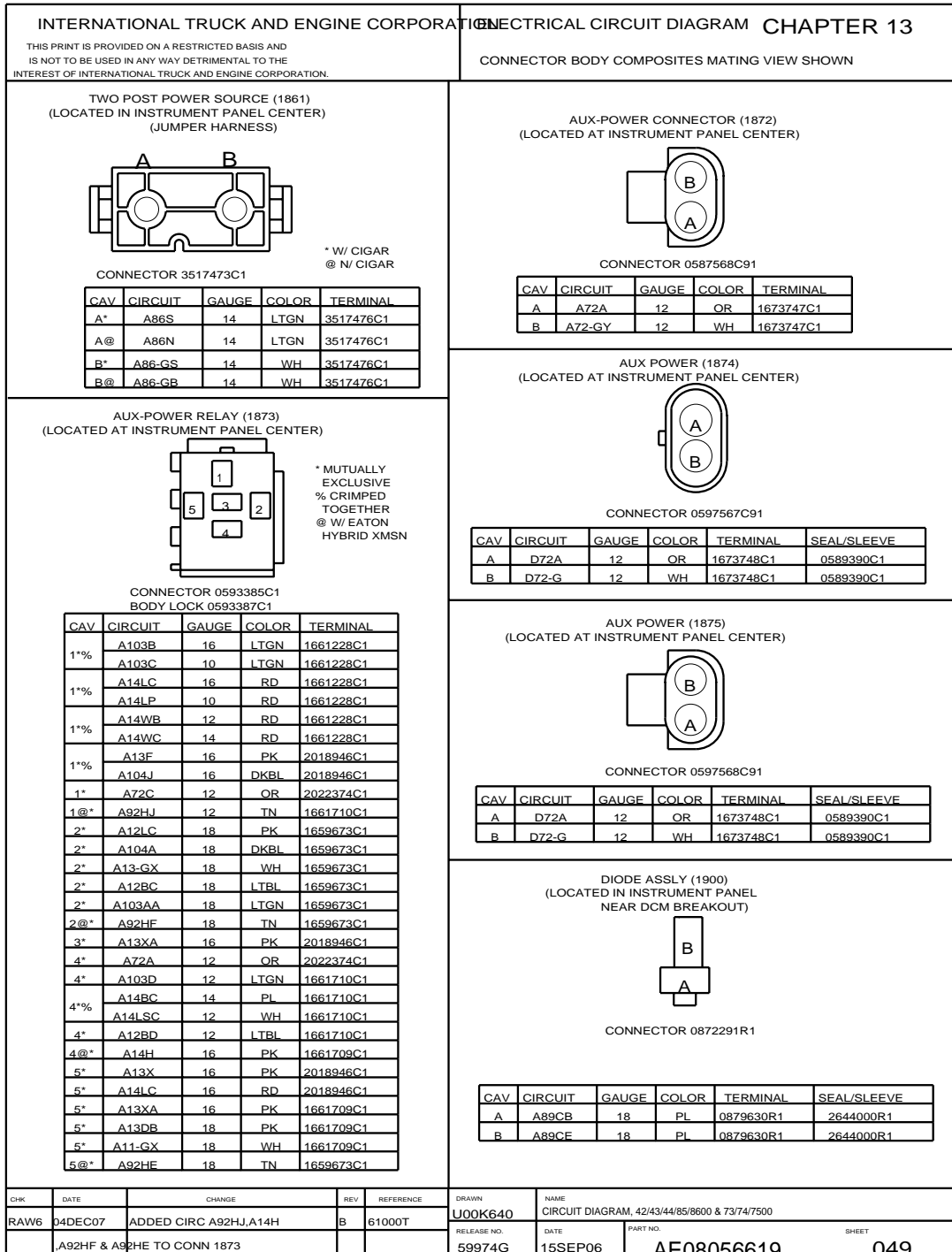


Figure 265 Connector Composites (1861), (1872), (1873), (1874), (1875), (1900)

13.54. CONNECTOR COMPOSITES (1901), (1902), (1910), (1912), (1916), P. 50

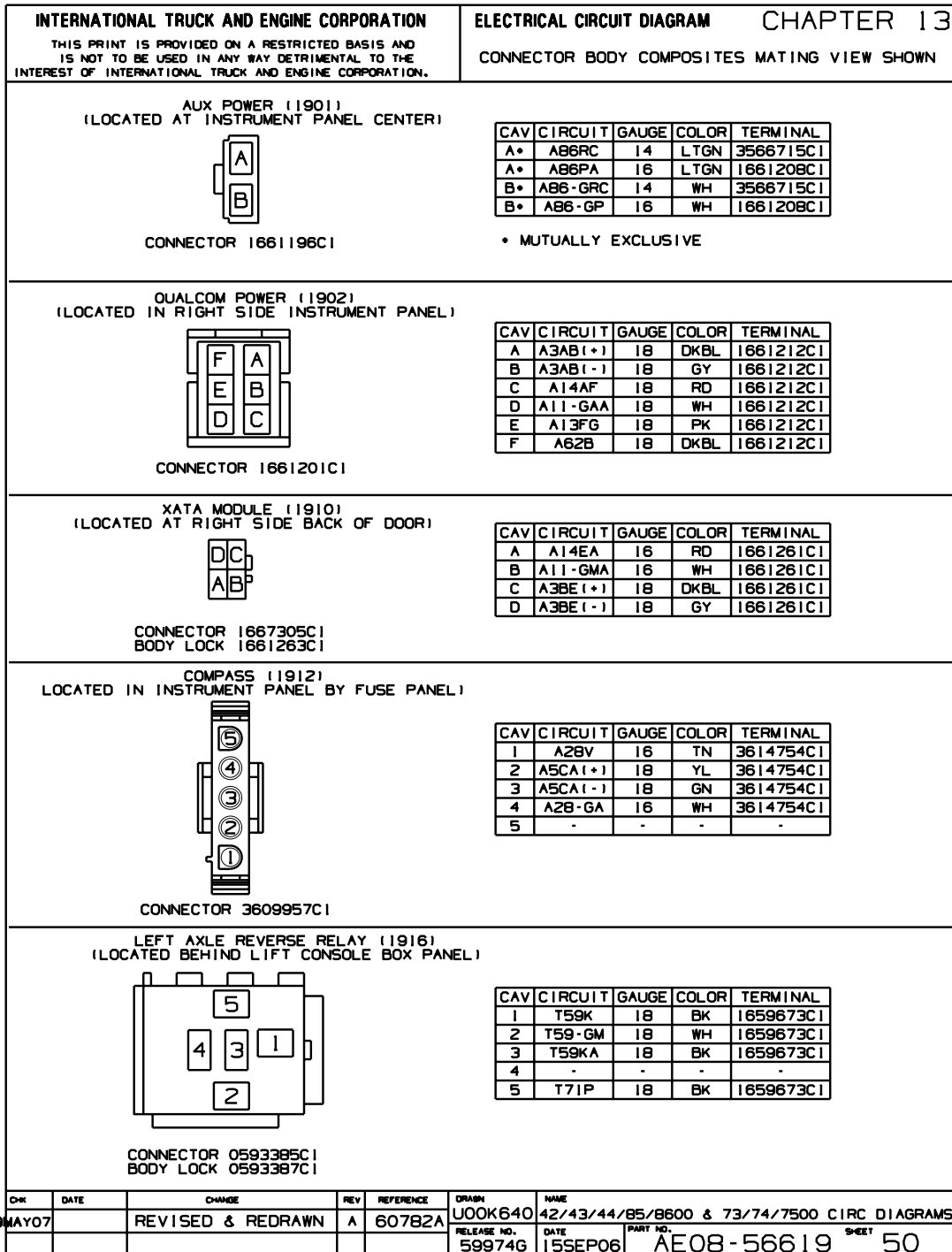


Figure 266 Connector Composites (1901), (1902), (1910), (1912), (1916)

13.55. CONNECTOR COMPOSITES (1918), (1923), (1927), (1929), (1935), (2000), P. 51

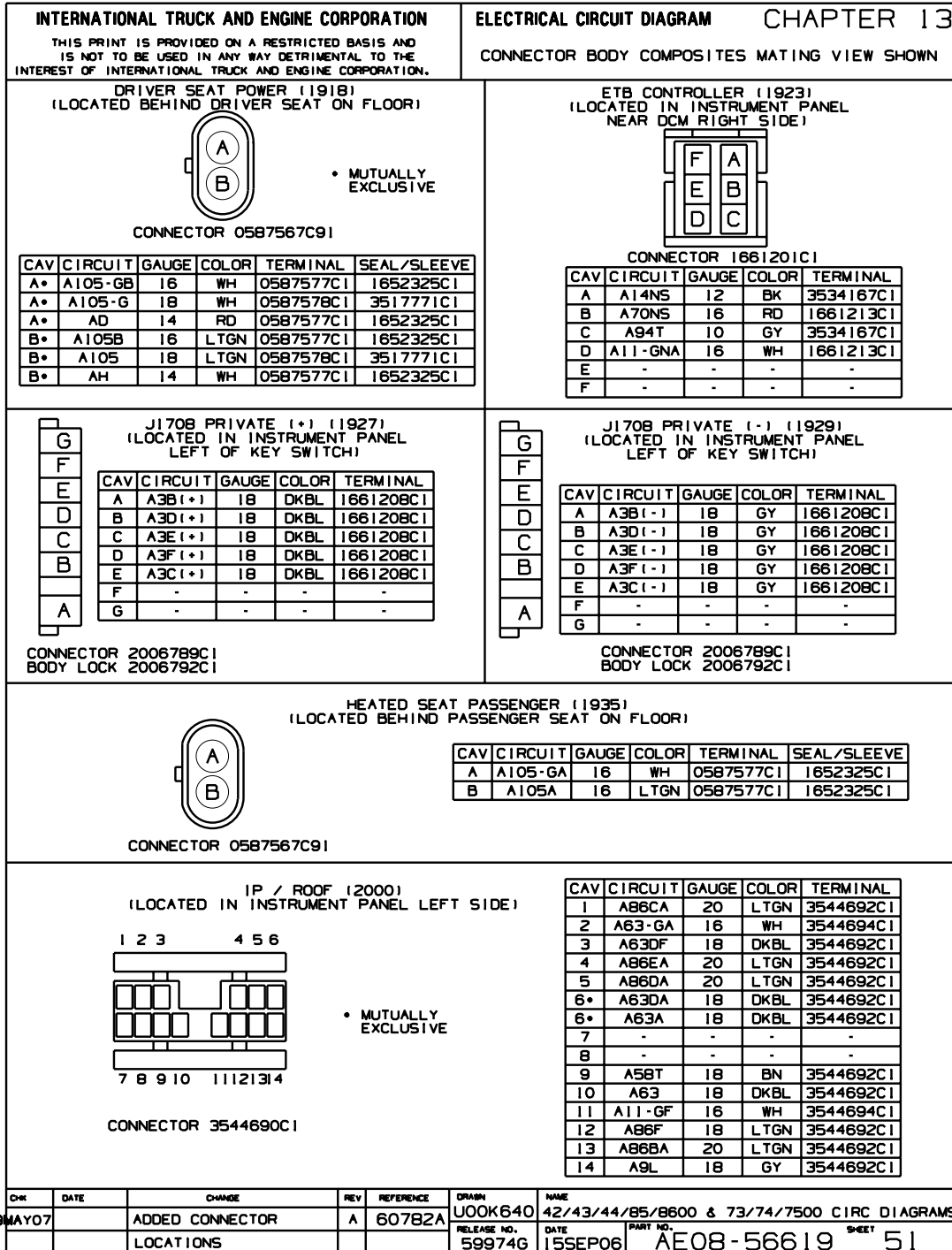


Figure 267 Connector Composites (1918), (1923), (1927), (1929), (1935), (2000)

13.56. CONNECTOR COMPOSITES (2000), (2002), (2003), (2004), (2005), (2006), P. 52

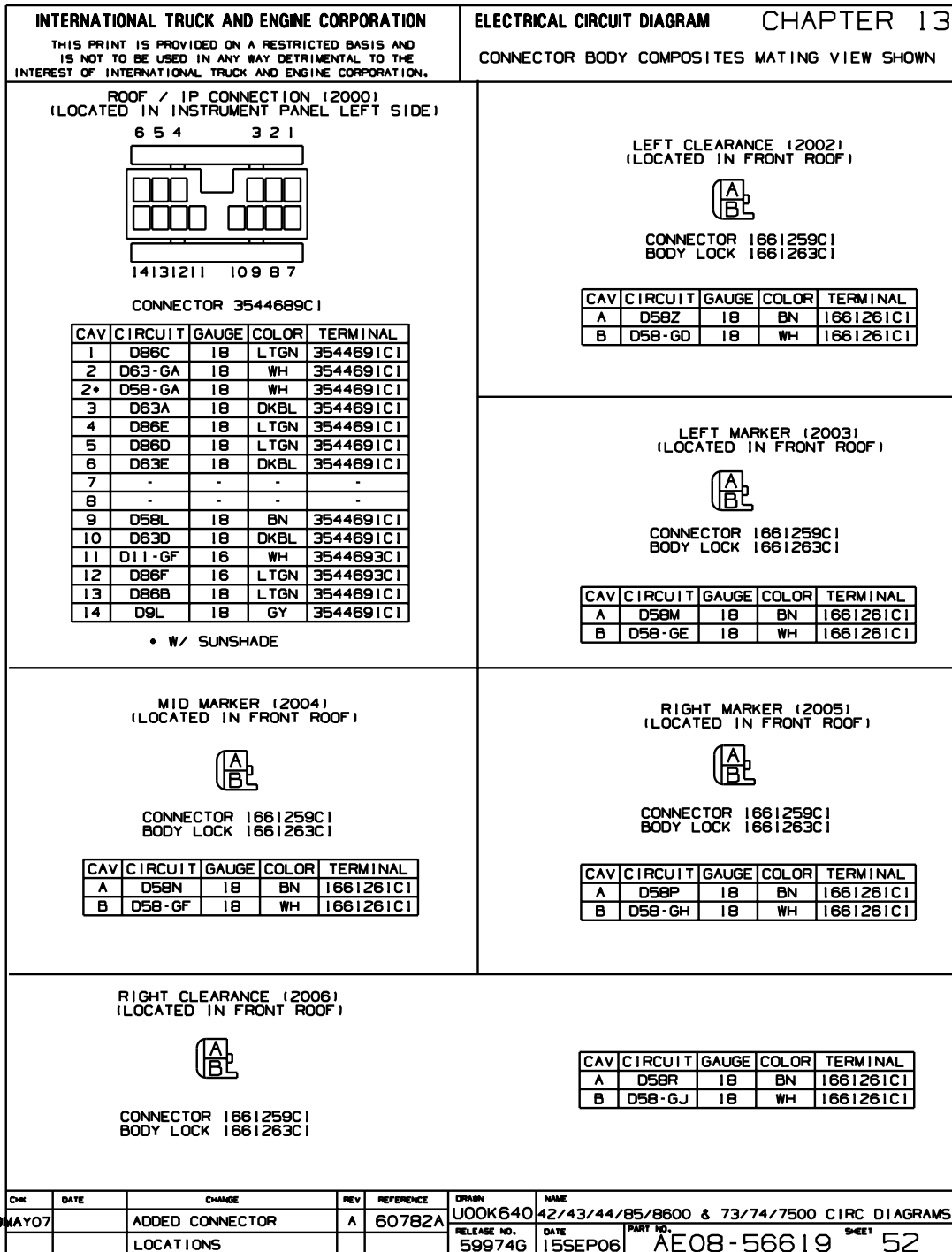


Figure 268 Connector Composites (2000), (2002), (2003), (2004), (2005), (2006)

13.57. CONNECTOR COMPOSITES (2020), (2021), (2022), (2115), (2116), (2116M), (2117), (2117M), P. 53

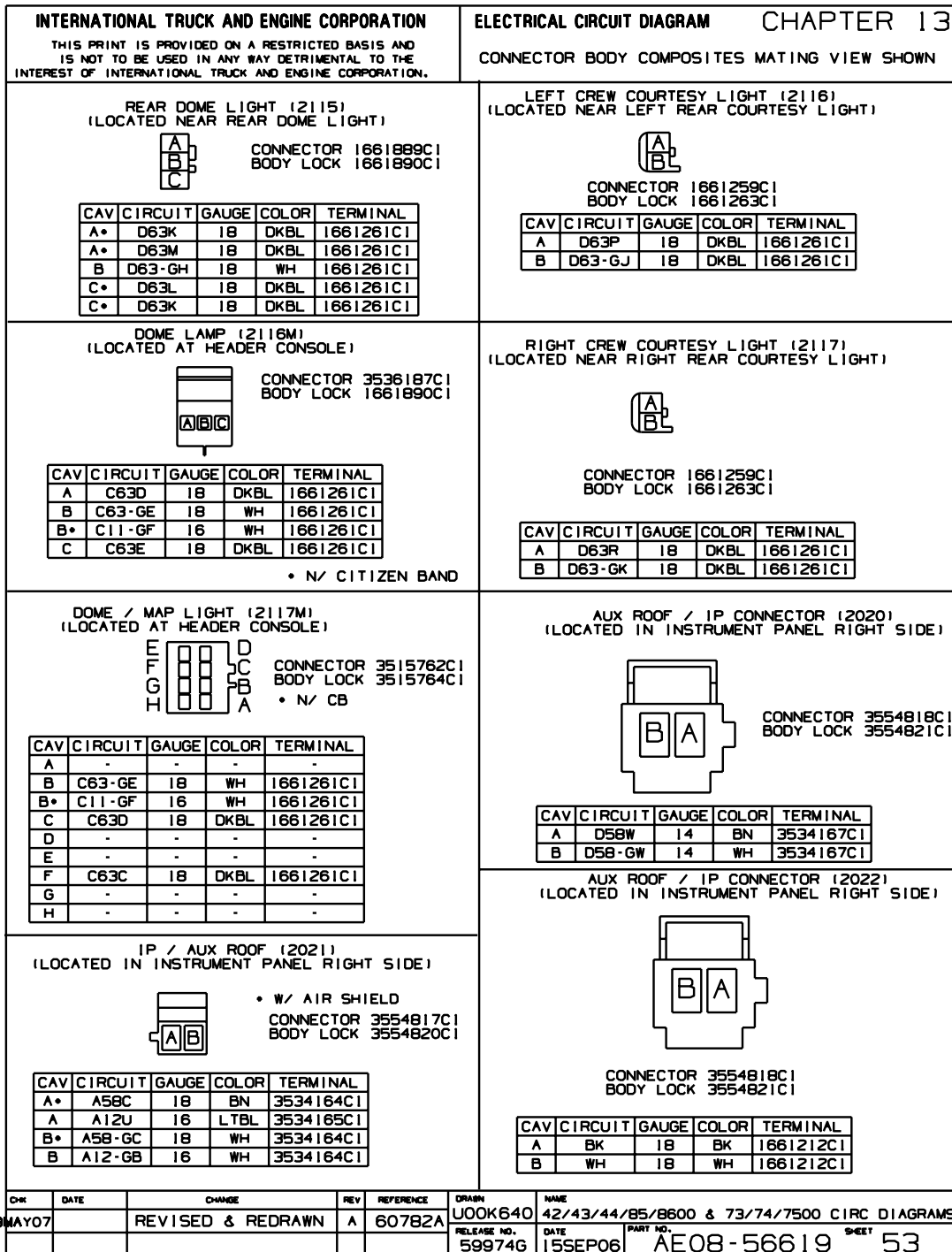


Figure 269 Connector Composites (2020), (2021), (2022), (2115), (2116), (2116M), (2117), (2117M)

13.58. CONNECTOR COMPOSITES (2301), (2302), (2303), (2304), (2305), (2502), P. 54

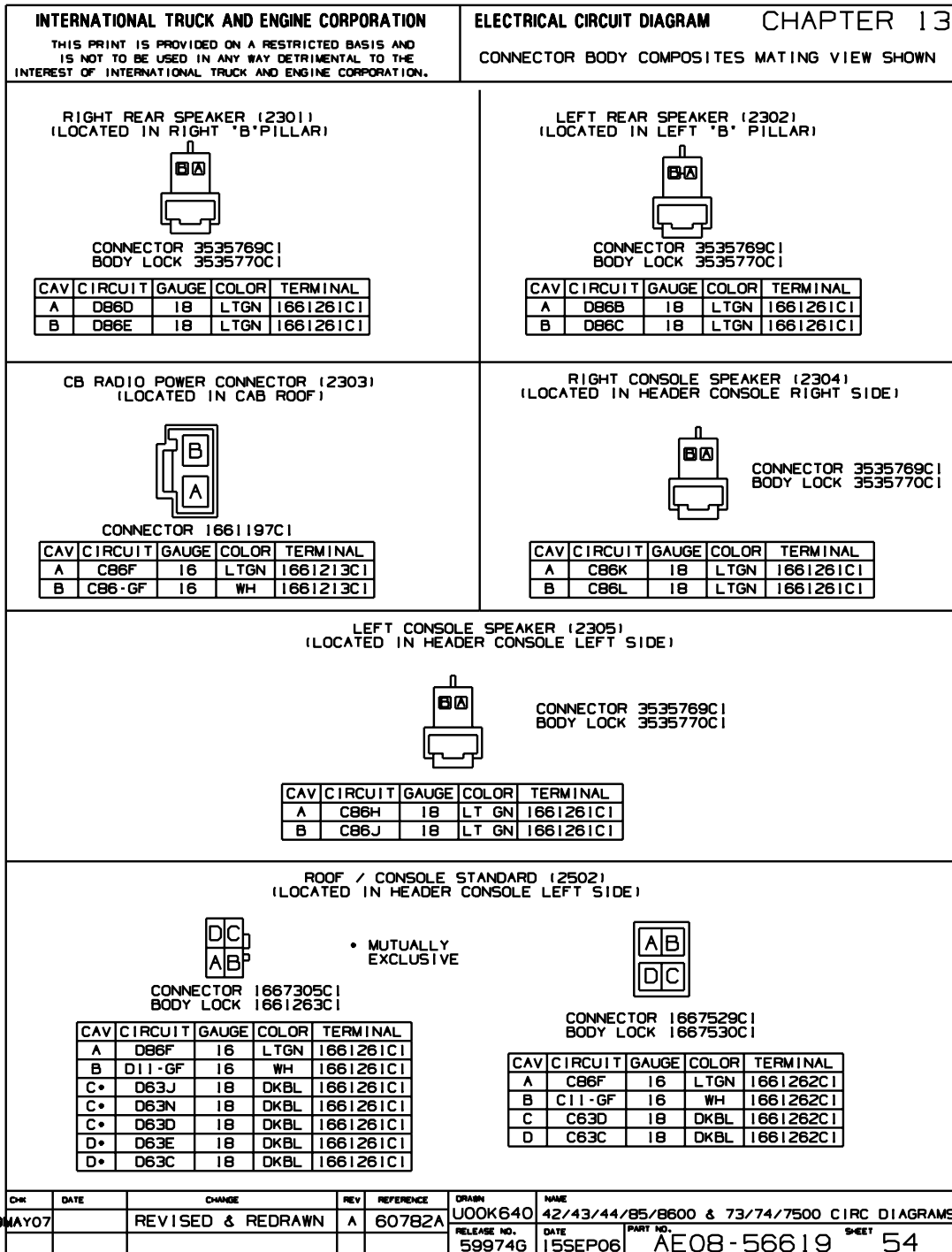


Figure 270 Connector Composites (2301), (2302), (2303), (2304), (2305), (2502)

13.59. CONNECTOR COMPOSITES (2503), (2600), (2601), (2602), P. 55

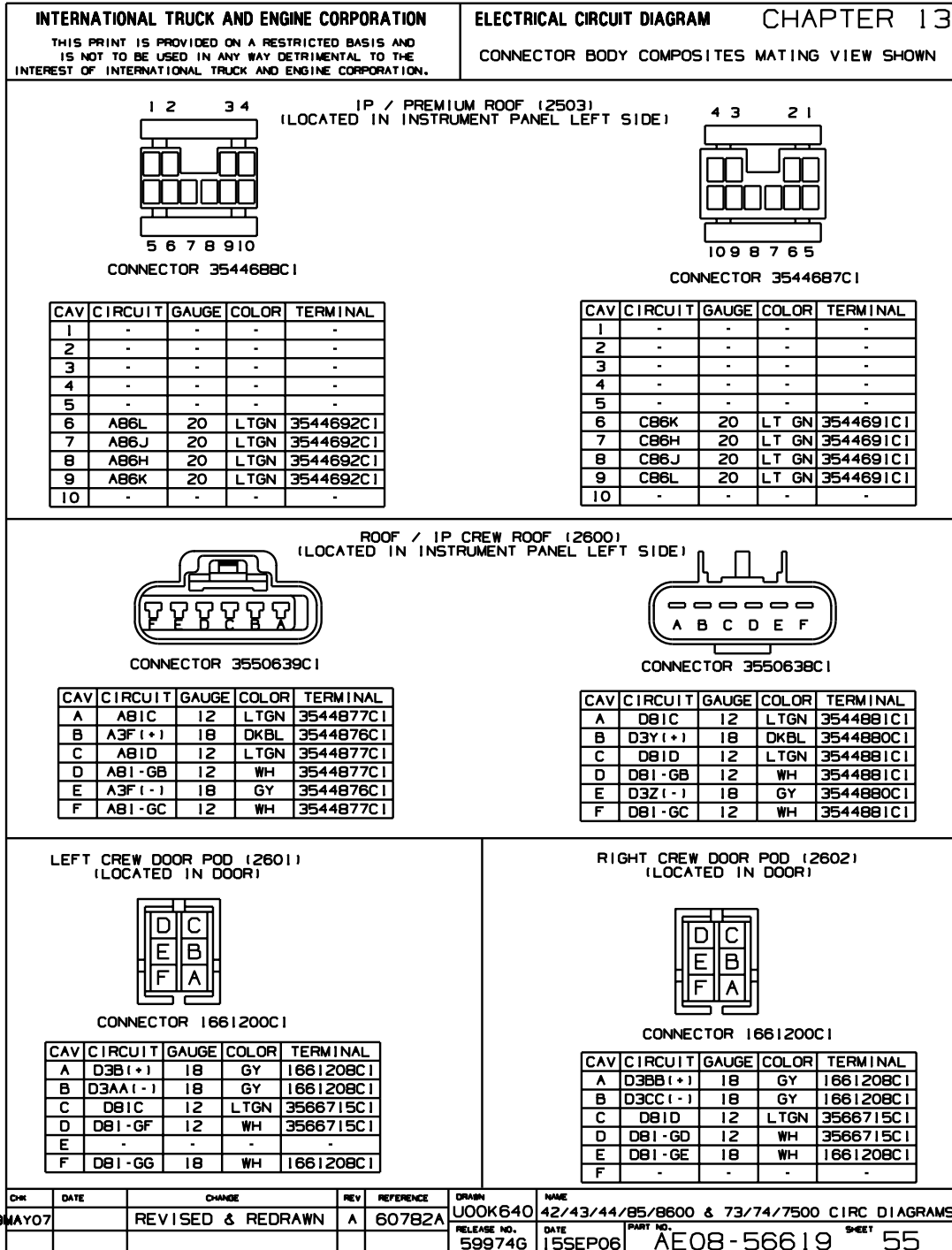
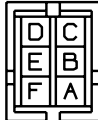


Figure 271 Connector Composites (2503), (2600), (2601), (2602)

13.60. CONNECTOR COMPOSITES (2700), (2700M), P. 56

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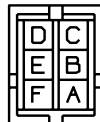
MCT SYSTEM QUALCOMM POWER CONNECTOR (2700)
 (LOCATED IN RIGHT SIDE INSTRUMENT PANEL)



CONNECTOR 1661200C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A	-	-	-	-
B	-	-	-	-
C	D14AF	16	RD	1661209C1
D	D11-GG	16	WH	1661209C1
E	D13F	16	PK	1661209C1
F	D62B	16	DK BL	1661209C1

TMCT SYSTEM QUALCOMM POWER CONNECTOR (2700M)
 (LOCATED IN RIGHT SIDE INSTRUMENT PANEL)



CONNECTOR 1661200C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A	D3EP(+)	18	DKBL	1661208C1
B	D3EN(-)	18	GY	1661208C1
C	D140A	16	RD	1661209C1
D	D11-GO	16	WH	1661209C1
E	D130A	16	PK	1661209C1
F	D620A	16	RD	1661209C1

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
9	MAY07	REVISED & REDRAWN	A	60782A	U00K640	42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS
					RELEASE NO.	DATE
					59974G	15SEP06
					PART NO.	SHEET
					AE08-56619	56

Figure 272 Connector Composites (2700), (2700M)

13.61. CONNECTOR COMPOSITES (2701), (2701F), (2701G), (2702), P. 57

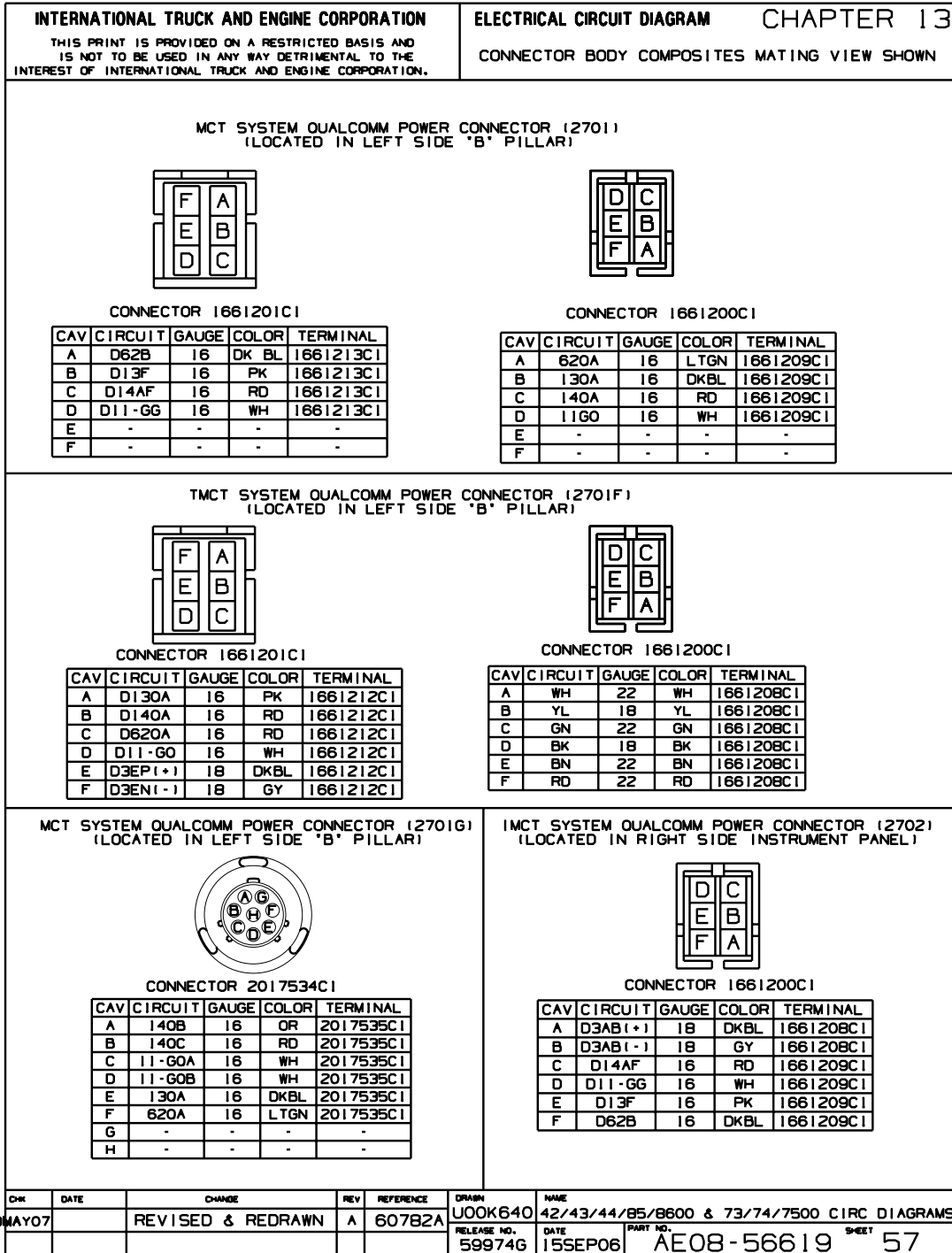


Figure 273 Connector Composites (2701), (2701F), (2701G), (2702)

13.62. CONNECTOR COMPOSITES (2703), (3000), (3002), (3003), P. 58

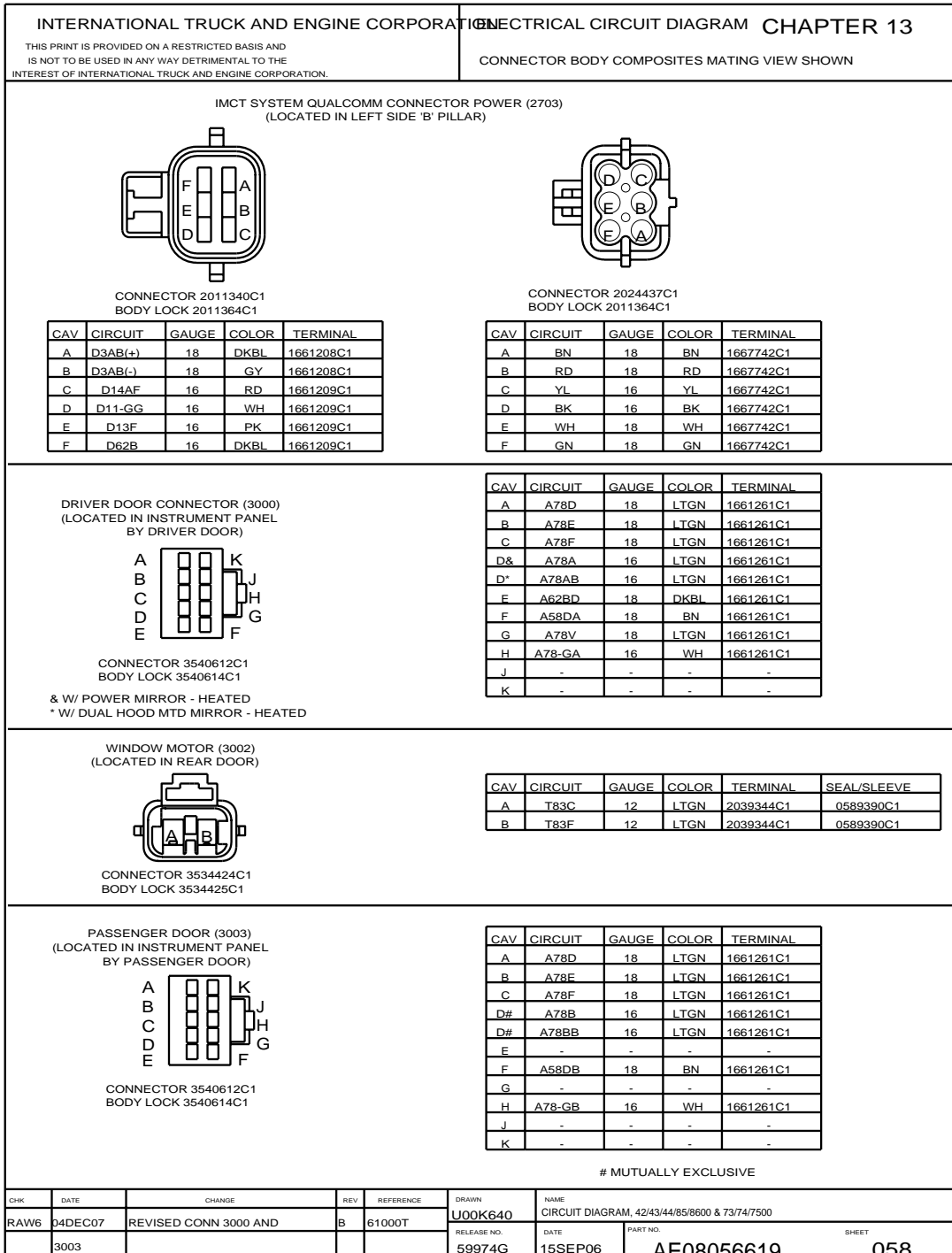


Figure 274 Connector Composites (2703), (3000), (3002), (3003)

13.63. CONNECTOR COMPOSITES (3100), (3200), (3201), P. 59

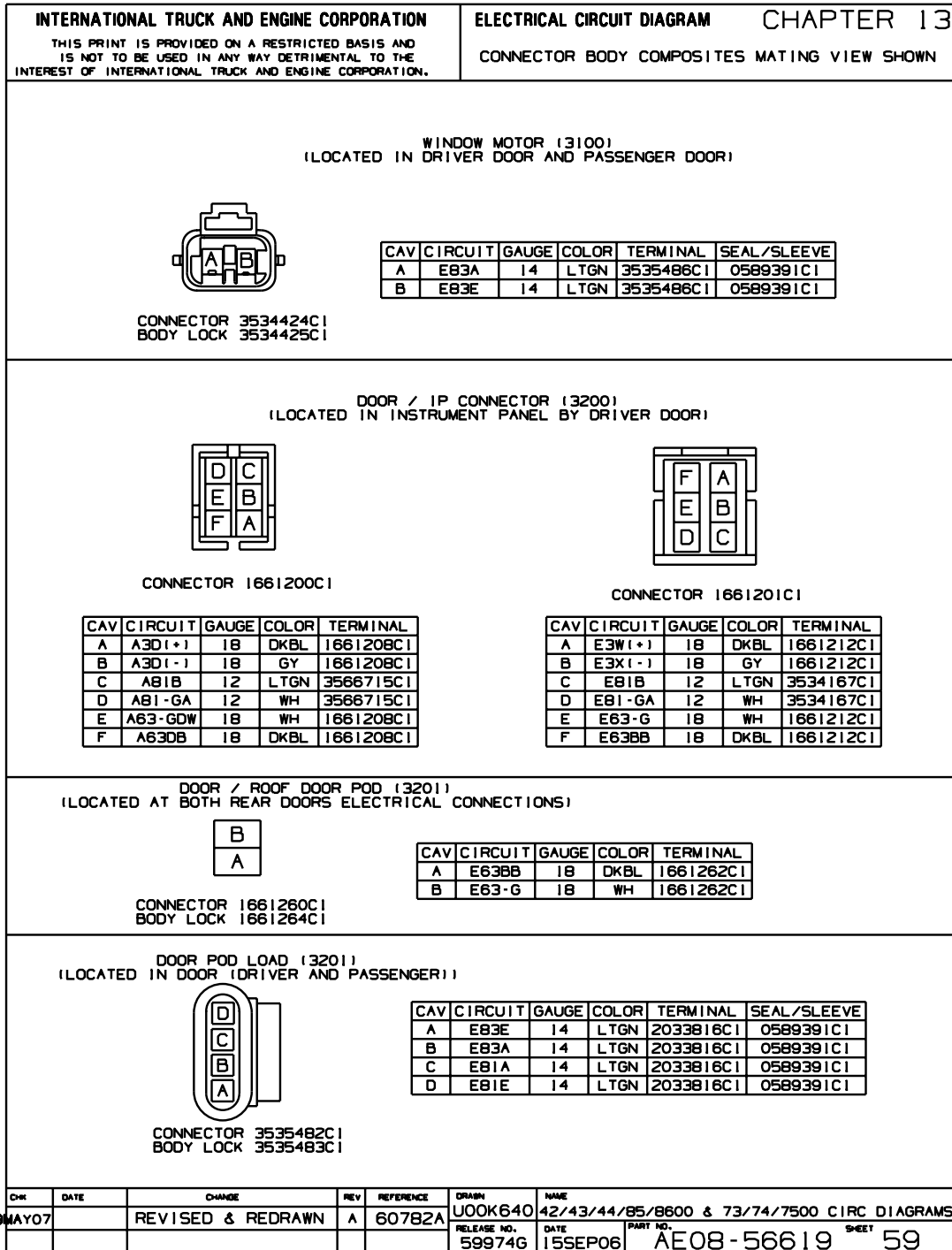


Figure 275 Connector Composites (3100), (3200), (3201)

13.64. CONNECTOR COMPOSITES (3202), (3203), (3204), (3208), P. 60

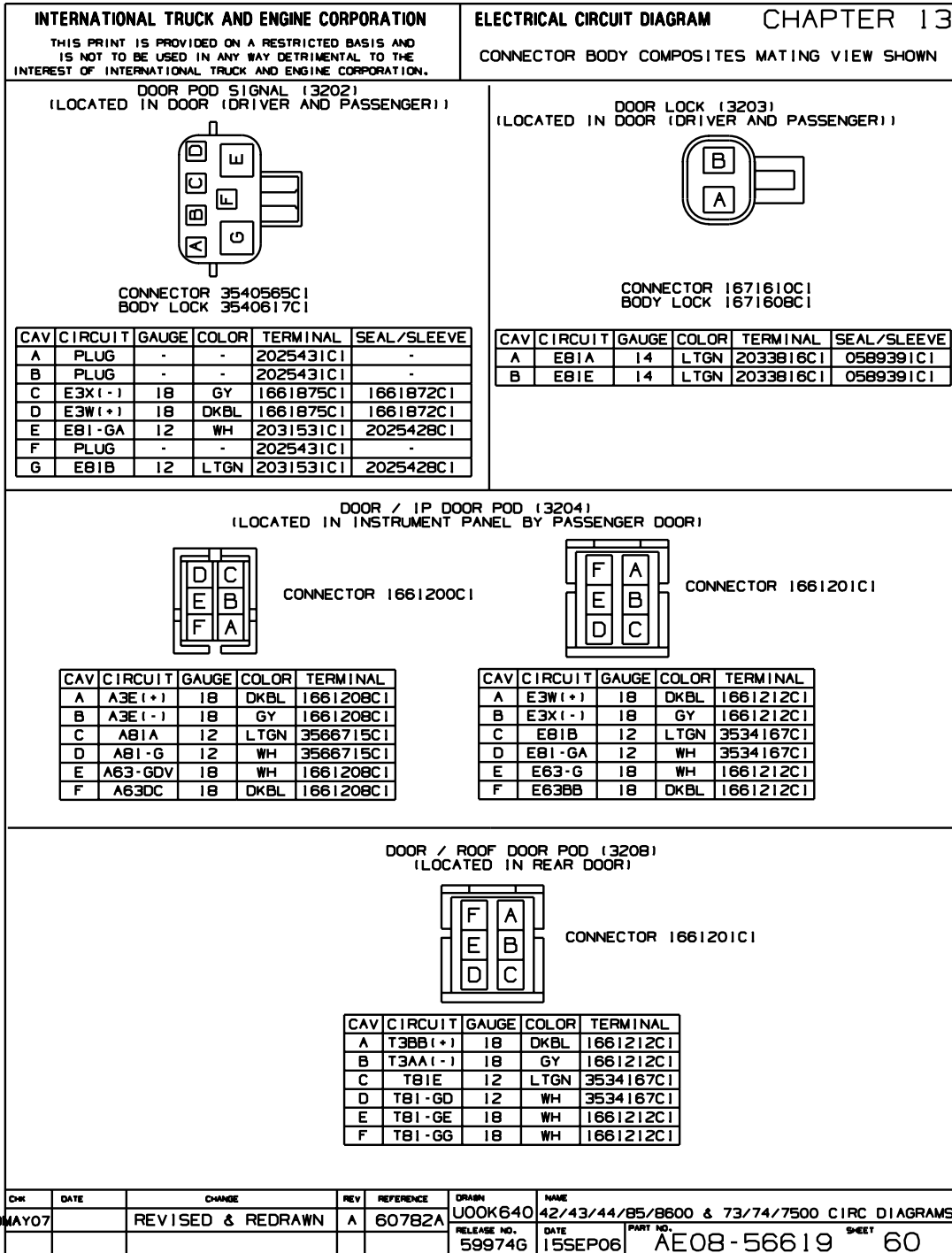


Figure 276 Connector Composites (3202), (3203), (3204), (3208)

13.65. CONNECTOR COMPOSITES (3209), (3210), (3211), (3400), (4003), (4004), P. 61

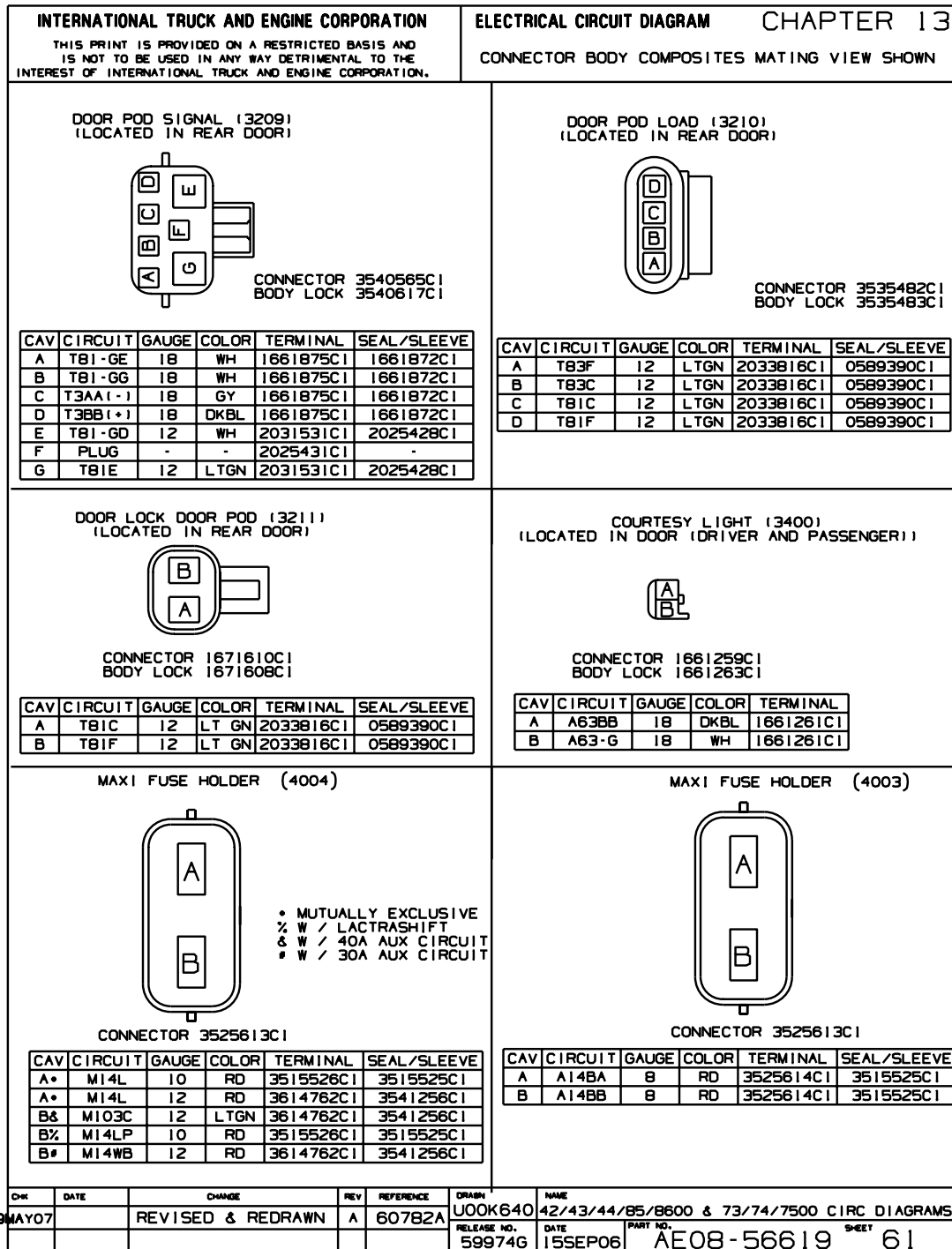


Figure 277 Connector Composites (3209), (3210), (3211), (3400), (4003), (4004)

13.66. CONNECTOR COMPOSITES (4017), (4018), (4019), (4021), (4022), (4037), (4038), (4070), (4071), P. 62

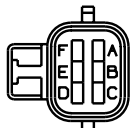
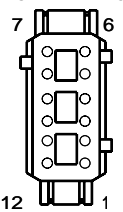
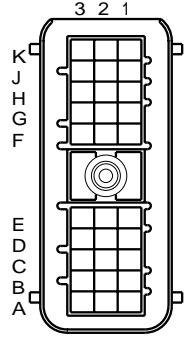
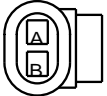
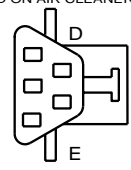
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HVAC RECIRC MOTOR (4017) (LOCATED UNDER HOOD)																																																														
CONNECTOR 2011340C1 BODY LOCK 2011364C1				<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>CAV</th> <th>CIRCUIT</th> <th>GAUGE</th> <th>COLOR</th> <th>TERMINAL</th> <th>SEAL/SLEEVE</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>A74D</td> <td>18</td> <td>LT GN</td> <td>1661875C1</td> <td>3568570C1</td> </tr> <tr> <td>B</td> <td>PLUG</td> <td>-</td> <td>-</td> <td>2025431C1</td> <td>-</td> </tr> <tr> <td>C</td> <td>PLUG</td> <td>-</td> <td>-</td> <td>2025431C1</td> <td>-</td> </tr> <tr> <td>D</td> <td>PLUG</td> <td>-</td> <td>-</td> <td>2025431C1</td> <td>-</td> </tr> <tr> <td>E</td> <td>PLUG</td> <td>-</td> <td>-</td> <td>2025431C1</td> <td>-</td> </tr> <tr> <td>F</td> <td>A74E</td> <td>18</td> <td>LT GN</td> <td>1661875C1</td> <td>3568570C1</td> </tr> </tbody> </table>				CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE	A	A74D	18	LT GN	1661875C1	3568570C1	B	PLUG	-	-	2025431C1	-	C	PLUG	-	-	2025431C1	-	D	PLUG	-	-	2025431C1	-	E	PLUG	-	-	2025431C1	-	F	A74E	18	LT GN	1661875C1	3568570C1													
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A/C ACCUM THERMISTOR-2 (4018) (LOCATED ON DASH PANEL RIGHT SIDE)				A/C ACCUM THERMISTOR-1 (4019) (LOCATED ON DASH PANEL RIGHT SIDE)																																																										
CONNECTOR 3535379C1				CONNECTOR 3535379C1																																																										
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CONNECTOR 3536864C1				CONNECTOR 3554317C1																																																										
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HYD BRAKE LIGHT SWITCH (4037) (LOCATED ON EXTERIOR DASH NEAR DCM)				HYD BRAKES FLUID LEVEL SENSOR (4038) (LOCATED ON EXTERIOR DASH NEAR DCM)																																																										
CONNECTOR 3522187C1				CONNECTOR 2036583C1																																																										
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PRESSURE SWITCH (4070) (LOCATED ON EXTERIOR DASH NEAR IP / FWD PASSTRU)				DUMP SOLENOID (4071) (LOCATED ON EXTERIOR DASH NEAR IP / FORWARD PASSTRU)																																																										
CONNECTOR 1661777C1 BODY LOCK 1661873C1				CONNECTOR 1671610C1 BODY LOCK 1671608C1																																																										
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Figure 278 Connector Composites (4017), (4018), (4019), (4021), (4022), (4037), (4038), (4070), (4071)

13.67. CONNECTOR COMPOSITES (4087), (4087A), (4111M), (4120), (4320), P. 63

INTERNATIONAL TRUCK AND ENGINE CORPORATION				ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13			
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 BODY COMPOSITES MATING VIEW SHOWN			
PAM MODULE (4087 / 4087A) (LOCATED ON EXTERIOR DASH NEAR HVAC UNIT)  CONNECTOR 3553404C1 BODY LOCK 3553460C1				CTI ECU (4320) (LOCATED ON TRANSMISSION TCM CONNECTION)  CONNECTOR 3554089C1			
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL			
1	PLUG	-	-	3527276C1			
2	PLUG	-	-	3527276C1			
3	PLUG	-	-	3527276C1			
4	PLUG	-	-	3527276C1			
5	PLUG	-	-	3527276C1			
6	A26D	18	TN	3518963C1			
7	A5P(+)	18	YL	3518963C1			
8	A5P(-)	18	GN	3518963C1			
9	PLUG	-	-	3527276C1			
10	A26A	18	TN	3518963C1			
11	A26B	18	TN	3518963C1			
12	A11-GPP	18	WH	3518963C1			

FAN AIR SOLENOID (4111M) (LOCATED NEAR ENGINE FAN DRIVE)							
 CONNECTOR 3522068C1 BODY LOCK 1661874C1 * W/ V8 ENGINE & W/ I6 ENGINE							
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL		SEAL/SLEEVE	
A*	K23	18	VT	1661875C1		1661872C1	
A&	K23A	18	TN	1661875C1		1661872C1	
B*	K23-G	18	VT	1661875C1		1661872C1	
B&	K23-G	18	WH	1661875C1		1661872C1	

SNOWVALVE MODULE (4120) (LOCATED ON AIR CLEANER)							
 CONNECTOR 3522251C1 BODY LOCK 3522253C1							
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL		SEAL/SLEEVE	
A	A23F	18	TN	1661875C1		3568570C1	
B	A23H	18	TN	1661875C1		3568570C1	
C	A23J	18	TN	1661875C1		3568570C1	
D	A23K	18	TN	1661875C1		3568570C1	
E	A23L	18	TN	1661875C1		3568570C1	

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	
A1	PLUG	-	-	3554386C1	
A2	PLUG	-	-	3554386C1	
A3	PLUG	-	-	3554386C1	
B1	N22H	18	TN	3565443C1	
B2	N22F	18	TN	3565443C1	
B3	N22J	18	TN	3565443C1	
C1	N3C(+)	18	DKBL	3565443C1	
C2	N3C(-)	18	GY	3565443C1	
C3	PLUG	-	-	3554386C1	
D1	N22L	18	TN	3565443C1	
D2	N22K	18	TN	3565443C1	
D3	PLUG	-	-	3554386C1	
E1	N22M	18	TN	3565443C1	
E2	PLUG	-	-	3554386C1	
E3	PLUG	-	-	3554386C1	
F1	PLUG	-	-	3554386C1	
F2	PLUG	-	-	3554386C1	
F3	PLUG	-	-	3554386C1	
G1	PLUG	-	-	3554386C1	
G2	PLUG	-	-	3554386C1	
G3	N22S	18	TN	3565443C1	
H1	N22R	18	TN	3565443C1	
H2	N22P	18	TN	3565443C1	
H3	N22N	18	TN	3565443C1	
J1	N22A	18	TN	3565443C1	
J2	PLUG	-	-	3554386C1	
J3	N98(-)	18	BK	3565443C1	
K1	N22B	18	TN	3565443C1	
K2	N22-GE	18	WH	3565443C1	
K3	N98(+)	18	BK	3565443C1	

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
RAW6	04DEC07	ADDED CONN 4087A	C	61000T	U00K640	CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
					RELEASE NO. 59974G	DATE 15SEP07 PART NO. AE08056619 SHEET 063

Figure 279 Connector Composites (4087), (4087A), (4111M), (4120), (4320)

13.68. CONNECTOR COMPOSITES (4321), (4322), (4323), (4410D), (4410E), (4410F),
 P. 64

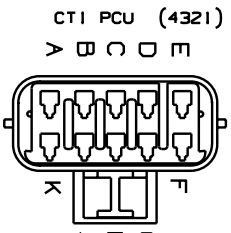

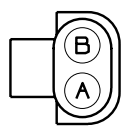
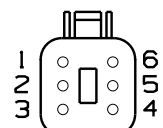
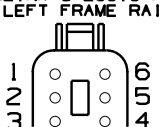
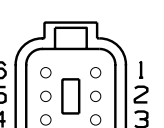
<p>INTERNATIONAL TRUCK AND ENGINE CORPORATION THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF INTERNATIONAL TRUCK AND ENGINE CORPORATION.</p>	<p>ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13 CONNECTOR BODY COMPOSITES MATING VIEW SHOWN</p>																																																																																															
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C	N22R	18	TN	1661875C1	1661872C1																																																																																											
<p>PRESSURE SWITCH (4323)  CONNECTOR 0587568C91</p> <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>CAV</th> <th>CIRCUIT</th> <th>GAUGE</th> <th>COLOR</th> <th>TERMINAL</th> <th>SEAL/SLEEVE</th> </tr> </thead> <tbody> <tr><td>A</td><td>N22-S</td><td>18</td><td>TN</td><td>0587576C1</td><td>1652325C1</td></tr> <tr><td>B</td><td>N22-GF</td><td>18</td><td>WH</td><td>0587576C1</td><td>1652325C1</td></tr> </tbody> </table>	CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE	A	N22-S	18	TN	0587576C1	1652325C1	B	N22-GF	18	WH	0587576C1	1652325C1	<p>REMOTE POWER MODULE DATALINK & LOGIC POWER (4410D) (LOCATED NEAR LEFT FRAME RAIL BACK OF CAB)</p>  <p>CONNECTOR 3572899C1 BODY LOCK 2005242C1</p> <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>CAV</th> <th>CIRCUIT</th> <th>GAUGE</th> <th>COLOR</th> <th>TERMINAL</th> </tr> </thead> <tbody> <tr><td>1</td><td>PLUG</td><td>-</td><td>-</td><td>0453133C1</td></tr> <tr><td>2</td><td>N10-GR</td><td>14</td><td>WH</td><td>2034787C1</td></tr> <tr><td>3</td><td>N5E(+)</td><td>18</td><td>YL</td><td>1680205C1</td></tr> <tr><td>4</td><td>N5E(-)</td><td>18</td><td>GN</td><td>1680205C1</td></tr> <tr><td>5</td><td>PLUG</td><td>-</td><td>-</td><td>0453133C1</td></tr> <tr><td>6</td><td>N20</td><td>16</td><td>LTGN</td><td>1680205C1</td></tr> </tbody> </table>	CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	1	PLUG	-	-	0453133C1	2	N10-GR	14	WH	2034787C1	3	N5E(+)	18	YL	1680205C1	4	N5E(-)	18	GN	1680205C1	5	PLUG	-	-	0453133C1	6	N20	16	LTGN	1680205C1																																										
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5	PLUG	-	-	0453133C1																																																																																												
6	N20	16	LTGN	1680205C1																																																																																												
<p>REMOTE POWER MODULE (4410E) DATALINK & LOGIC POWER (LOCATED NEAR LEFT FRAME RAIL BACK OF CAB)</p>  <p>CONNECTOR 3572899C1 BODY LOCK 2005242C1</p> <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>CAV</th> <th>CIRCUIT</th> <th>GAUGE</th> <th>COLOR</th> <th>TERMINAL</th> </tr> </thead> <tbody> <tr><td>1</td><td>PLUG</td><td>-</td><td>-</td><td>0453133C1</td></tr> <tr><td>2</td><td>N10-GP</td><td>14</td><td>WH</td><td>2034787C1</td></tr> <tr><td>3</td><td>N5F(+)</td><td>18</td><td>YL</td><td>3572625C1</td></tr> <tr><td>4</td><td>N5F(-)</td><td>18</td><td>GN</td><td>3572625C1</td></tr> <tr><td>5</td><td>PLUG</td><td>-</td><td>-</td><td>0453133C1</td></tr> <tr><td>6</td><td>N20A</td><td>16</td><td>LTGN</td><td>1680205C1</td></tr> </tbody> </table>	CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	1	PLUG	-	-	0453133C1	2	N10-GP	14	WH	2034787C1	3	N5F(+)	18	YL	3572625C1	4	N5F(-)	18	GN	3572625C1	5	PLUG	-	-	0453133C1	6	N20A	16	LTGN	1680205C1	<p>REMOTE POWER MODULE DATALINK & LOGIC POWER (4410F)</p>  <p>CONNECTOR 3572900C1 BODY LOCK 2005243C1 • FOR AIR SOLENOID</p> <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>CAV</th> <th>CIRCUIT</th> <th>GAUGE</th> <th>COLOR</th> <th>TERMINAL</th> </tr> </thead> <tbody> <tr><td>1</td><td>R59</td><td>14</td><td>GY</td><td>2034788C1</td></tr> <tr><td>1*</td><td>R59C</td><td>14</td><td>GY</td><td>2034788C1</td></tr> <tr><td>2</td><td>R10-GPM</td><td>14</td><td>WH</td><td>2034788C1</td></tr> <tr><td>2*</td><td>R10-GPN</td><td>14</td><td>WH</td><td>2034788C1</td></tr> <tr><td>3</td><td>R1(+)</td><td>18</td><td>YL</td><td>3572626C1</td></tr> <tr><td>3*</td><td>R1A(+)</td><td>18</td><td>YL</td><td>3572626C1</td></tr> <tr><td>4</td><td>R1(-)</td><td>18</td><td>GN</td><td>3572626C1</td></tr> <tr><td>4*</td><td>R1A(-)</td><td>18</td><td>GN</td><td>3572626C1</td></tr> <tr><td>5</td><td>PLUG</td><td>-</td><td>-</td><td>0453133C1</td></tr> <tr><td>6</td><td>R14</td><td>16</td><td>RD</td><td>1680206C1</td></tr> <tr><td>6*</td><td>R14D</td><td>16</td><td>RD</td><td>1680206C1</td></tr> </tbody> </table>	CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	1	R59	14	GY	2034788C1	1*	R59C	14	GY	2034788C1	2	R10-GPM	14	WH	2034788C1	2*	R10-GPN	14	WH	2034788C1	3	R1(+)	18	YL	3572626C1	3*	R1A(+)	18	YL	3572626C1	4	R1(-)	18	GN	3572626C1	4*	R1A(-)	18	GN	3572626C1	5	PLUG	-	-	0453133C1	6	R14	16	RD	1680206C1	6*	R14D	16	RD	1680206C1
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL																																																																																												
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Figure 280 Connector Composites (4321), (4322), (4323), (4410D), (4410E), (4410F)

13.69. CONNECTOR COMPOSITES (4410H), (4410K), (4410L), (4410M), P. 65

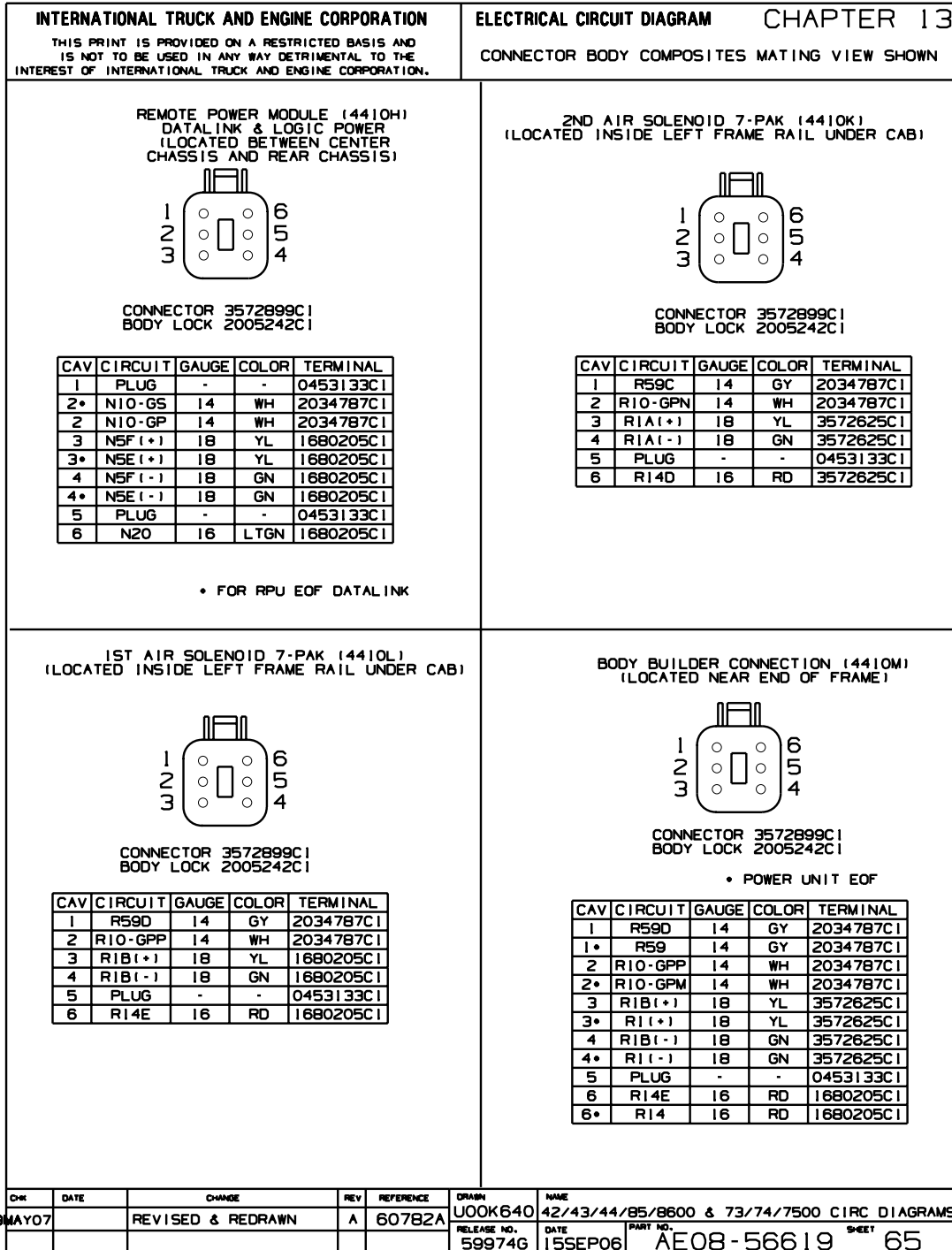
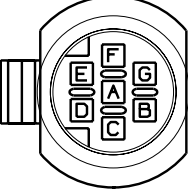


Figure 281 Connector Composites (4410H), (4410K), (4410L), (4410M)

13.70. CONNECTOR COMPOSITES (4450AM), (4450M), (4460AM), (4460BF), P. 66

INTERNATIONAL TRUCK AND ENGINE CORPORATION		ELECTRICAL CIRCUIT DIAGRAM		CHAPTER 13	
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 BODY COMPOSITES MATING VIEW SHOWN			

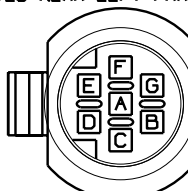
BODY BUILDER CONNECTION (4450AM)
 (LOCATED BETWEEN CENTER CHASSIS AND REAR CHASSIS)



CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	N68BB	14	BN	3535486C1	0589391C1
B	N56BB	16	YL	2039343C1	1652325C1
C	N57BB	16	LTGN	2039343C1	1652325C1
D	N54BB	14	BN	3535486C1	0589391C1
E	N71BB	16	LTBL	2039343C1	1652325C1
F	N12BB	14	LTBL	3535486C1	0589391C1
G	N11-GBB	12	WH	2039344C1	0589390C1

CONNECTOR 2039311C91
 BODY LOCK 2039342C1

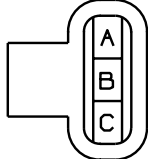
BODY BUILDER CONNECTION (4450M)
 (LOCATED NEAR LEFT FRAME RAIL BACK OF CAB)



CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	N68BB	14	BN	3535486C1	0589391C1
B	N56BB	16	YL	2039343C1	1652325C1
C	N57BB	16	LTGN	2039343C1	1652325C1
D	N54BB	14	BN	3535486C1	0589391C1
E	N71BB	16	LTBL	2039343C1	1652325C1
F	N12BB	14	LTBL	3535486C1	0589391C1
G	N11-GD	12	WH	2039344C1	0589390C1

CONNECTOR 2039311C91
 BODY LOCK 2039342C1

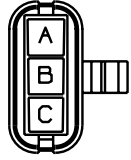
BODY BUILDER TURN / STOP (4460AM)
 (LOCATED BETWEEN CENTER CHASSIS AND REAR CHASSIS)



CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	N56BC	16	YL	2033819C1	1652325C1
B	N57BC	16	LTGN	2033819C1	1652325C1
C	N70BB	14	RD	2033816C1	0589391C1

CONNECTOR 1686834C1
 BODY LOCK 1664408C1

BODY BUILDER TURN / STOP (4460BF)
 (LOCATED AT MAIN CHASSIS TO REAR CHASSIS INTERCONNECT)



CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	R56BC	16	OR	2033911C1	1652325C1
B	R57BC	16	OR	2033911C1	1652325C1
C	R70BB	14	OR	2033912C1	0589391C1

CONNECTOR 3553961C1
 BODY LOCK 3554019C1

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
9	MAY07	REVISED & REDRAWN	A	60782A	U00K640	42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS
					RELEASE NO. 59974G	DATE 15SEP06 PART NO. AE08-56619 SHEET 66

Figure 282 Connector Composites (4450AM), (4450M), (4460AM), (4460BF)

13.71. CONNECTOR COMPOSITES (4460BM), (4460M), (4500), (4905), P. 67

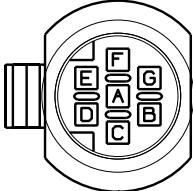
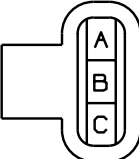
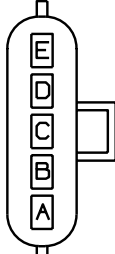
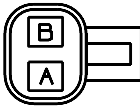
INTERNATIONAL TRUCK AND ENGINE CORPORATION				ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13							
THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF INTERNATIONAL TRUCK AND ENGINE CORPORATION.				CONNECTOR BODY COMPOSITES MATING VIEW SHOWN							
BODY BUILDER CONNECTION (4460BM) (LOCATED AT END OF FRAME NEAR REAR AXLES)				BODY BUILDER TURN / STOP (4460M) (LOCATED NEAR LEFT FRAME RAIL BACK OF CAB)							
											
CONNECTOR 2039311C91 BODY LOCK 2039342C1				CONNECTOR 1686834C1 BODY LOCK 1664408C1							
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE	CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	R68BB	14	BN	3535486C1	0589391C1	A	N56BC	16	YL	2033819C1	1652325C1
B	R56BB	16	OR	2039343C1	1652325C1	B	N57BC	16	LTGN	2033819C1	1652325C1
C	R57BB	16	OR	2039343C1	1652325C1	C	N70BB	14	RD	2033816C1	0589391C1
D	R58BB	14	BN	3535486C1	0589391C1						
E	R71BB	16	OR	2039343C1	1652325C1						
F	R12BB	14	LTBL	3535486C1	0589391C1						
G	R11-GBB	12	WH	2039344C1	0589390C1						
WINDSHIELD WIPER MOTOR (4500) (LOCATED UNDER HOOD)				AIR PARK SOLENOID (4905) (LOCATED ON EXTERIOR DASH NEAR DCM)							
											
CONNECTOR 1661375C2 BODY LOCK 1661376C1				CONNECTOR 1671610C1 BODY LOCK 1671608C1							
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE	CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	AB2D	16	GY	2033819C1	1652325C1	A	M44Y	16	GY	2033819C1	1652325C1
B	AB2V	16	GY	2033819C1	1652325C1	B	M44W	16	WH	2033819C1	1652325C1
C	AB2-G	14	WH	2033816C1	1652325C1	B	M44-GW	16	WH	2033819C1	1652325C1
D	AB2K	16	GY	2033819C1	1652325C1						
E	AB2L	16	GY	2033819C1	1652325C1						
CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME					
0	MAY07	REVISED & REDRAWN	A	60782A	U00K640	42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS					
					RELEASE NO.	DATE	PART NO.	SHEET			
					59974G	15SEP06	AE08-56619	67			

Figure 283 Connector Composites (4460BM), (4460M), (4500), (4905)

13.72. CONNECTOR COMPOSITES (4906), (4950), (4951), (5117), P. 68

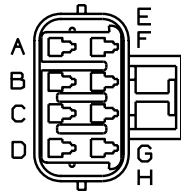

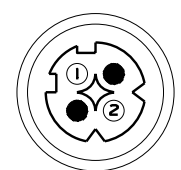


<p>INTERNATIONAL TRUCK AND ENGINE CORPORATION</p> <p>THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF INTERNATIONAL TRUCK AND ENGINE CORPORATION.</p>	<p>ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13</p> <p>CONNECTOR BODY COMPOSITES MATING VIEW SHOWN</p>																																																						
<p>WHEEL CHAIR INERLOCK (4906) (LOCATED ON EXTERIOR DASH NEAR IP / FORWARD PASSTHRU)</p> <div style="display: flex; justify-content: space-around; align-items: center;">  <table border="1" style="font-size: 8px;"> <thead> <tr> <th>CAV</th> <th>CIRCUIT</th> <th>GAUGE</th> <th>COLOR</th> <th>TERMINAL</th> <th>SEAL/SLEEVE</th> </tr> </thead> <tbody> <tr><td>A</td><td>M44W</td><td>16</td><td>WH</td><td>1661875C1</td><td>3568570C1</td></tr> <tr><td>B</td><td>M92#101</td><td>18</td><td>TN</td><td>1661875C1</td><td>3568570C1</td></tr> <tr><td>C</td><td>PLUG</td><td>-</td><td>-</td><td>202543C1</td><td>-</td></tr> <tr><td>D</td><td>M92#103</td><td>18</td><td>TN</td><td>1661875C1</td><td>3568570C1</td></tr> <tr><td>E</td><td>M11-GW</td><td>16</td><td>WH</td><td>1661875C1</td><td>3568570C1</td></tr> <tr><td>F</td><td>PLUG</td><td>-</td><td>-</td><td>202543C1</td><td>-</td></tr> <tr><td>G</td><td>M89AR</td><td>18</td><td>PK</td><td>1661875C1</td><td>3568570C1</td></tr> <tr><td>H</td><td>M89CE</td><td>18</td><td>PL</td><td>1661875C1</td><td>3568570C1</td></tr> </tbody> </table> </div> <p style="margin-top: 10px;">CONNECTOR 3525872C1 BODY LOCK 3525873C1</p>		CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE	A	M44W	16	WH	1661875C1	3568570C1	B	M92#101	18	TN	1661875C1	3568570C1	C	PLUG	-	-	202543C1	-	D	M92#103	18	TN	1661875C1	3568570C1	E	M11-GW	16	WH	1661875C1	3568570C1	F	PLUG	-	-	202543C1	-	G	M89AR	18	PK	1661875C1	3568570C1	H	M89CE	18	PL	1661875C1	3568570C1
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE																																																		
A	M44W	16	WH	1661875C1	3568570C1																																																		
B	M92#101	18	TN	1661875C1	3568570C1																																																		
C	PLUG	-	-	202543C1	-																																																		
D	M92#103	18	TN	1661875C1	3568570C1																																																		
E	M11-GW	16	WH	1661875C1	3568570C1																																																		
F	PLUG	-	-	202543C1	-																																																		
G	M89AR	18	PK	1661875C1	3568570C1																																																		
H	M89CE	18	PL	1661875C1	3568570C1																																																		
<p>BENDIX AUTO TRACTION CONTROL (4950) (LOCATED AT END OF FRAME AT REAR AXLE)</p> <div style="text-align: center;">  <p>CONNECTOR 3518183C1 BODY LOCK 3518174C1</p> <table border="1" style="font-size: 8px; margin: 10px auto;"> <thead> <tr> <th>CAV</th> <th>CIRCUIT</th> <th>GAUGE</th> <th>COLOR</th> <th>TERMINAL</th> </tr> </thead> <tbody> <tr><td>1</td><td>R94BD</td><td>16</td><td>BN</td><td>3518961C1</td></tr> <tr><td>2</td><td>R94BE</td><td>16</td><td>YL</td><td>3518961C1</td></tr> </tbody> </table> </div>	CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	1	R94BD	16	BN	3518961C1	2	R94BE	16	YL	3518961C1	<p>WABCO AUTO TRACTION CONTROL (4951) (LOCATED AT END OF FRAME AT REAR AXLE)</p> <div style="text-align: center;">  <p>CONNECTOR 3567225C1</p> <table border="1" style="font-size: 8px; margin: 10px auto;"> <thead> <tr> <th>CAV</th> <th>CIRCUIT</th> <th>GAUGE</th> <th>COLOR</th> <th>TERMINAL</th> </tr> </thead> <tbody> <tr><td>1</td><td>[R94WX]</td><td>18</td><td>BN</td><td>ASSY</td></tr> <tr><td>2</td><td>[R94WZ]</td><td>18</td><td>BL</td><td>ASSY</td></tr> </tbody> </table> </div>	CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	1	[R94WX]	18	BN	ASSY	2	[R94WZ]	18	BL	ASSY																								
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL																																																			
1	R94BD	16	BN	3518961C1																																																			
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CAV	CIRCUIT	GAUGE	COLOR	TERMINAL																																																			
1	[R94WX]	18	BN	ASSY																																																			
2	[R94WZ]	18	BL	ASSY																																																			
<p>AIR SHIELD LIGHT CONNECTOR (5117) (LOCATED IN UPPER RIGHT REAR ROOF)</p> <div style="display: flex; justify-content: space-around;"> <div style="text-align: center;">  <p>CONNECTOR 1661891C1 BODY LOCK 1661892C1</p> <table border="1" style="font-size: 8px; margin: 10px auto;"> <thead> <tr> <th>CAV</th> <th>CIRCUIT</th> <th>GAUGE</th> <th>COLOR</th> <th>TERMINAL</th> </tr> </thead> <tbody> <tr><td>A</td><td>BK</td><td>18</td><td>BK</td><td>1661262C1</td></tr> <tr><td>B</td><td>WH</td><td>18</td><td>WH</td><td>1661262C1</td></tr> <tr><td>C</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> </tbody> </table> </div> <div style="text-align: center;">  <p>CONNECTOR 1661889C1 BODY LOCK 1661890C1</p> <table border="1" style="font-size: 8px; margin: 10px auto;"> <thead> <tr> <th>CAV</th> <th>CIRCUIT</th> <th>GAUGE</th> <th>COLOR</th> <th>TERMINAL</th> </tr> </thead> <tbody> <tr><td>A</td><td>BK</td><td>18</td><td>BK</td><td>1661261C1</td></tr> <tr><td>B</td><td>WH</td><td>18</td><td>WH</td><td>1661261C1</td></tr> <tr><td>C</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> </tbody> </table> </div> </div>		CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	A	BK	18	BK	1661262C1	B	WH	18	WH	1661262C1	C	-	-	-	-	CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	A	BK	18	BK	1661261C1	B	WH	18	WH	1661261C1	C	-	-	-	-														
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL																																																			
A	BK	18	BK	1661262C1																																																			
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C	-	-	-	-																																																			
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B	WH	18	WH	1661261C1																																																			
C	-	-	-	-																																																			
<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>9</td> <td>MAY07</td> <td>REVISED & REDRAWN</td> <td>A</td> <td>60782A</td> <td>U00K640</td> <td>42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td>RELEASE NO. 59974G</td> <td>DATE 15SEP06 PART NO. AE08-56619 SHEET 68</td> </tr> </tbody> </table>		CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME	9	MAY07	REVISED & REDRAWN	A	60782A	U00K640	42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS						RELEASE NO. 59974G	DATE 15SEP06 PART NO. AE08-56619 SHEET 68																																	
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Figure 284 Connector Composites (4906), (4950), (4951), (5117)

13.73. CONNECTOR COMPOSITES (6000), (6001), P. 69

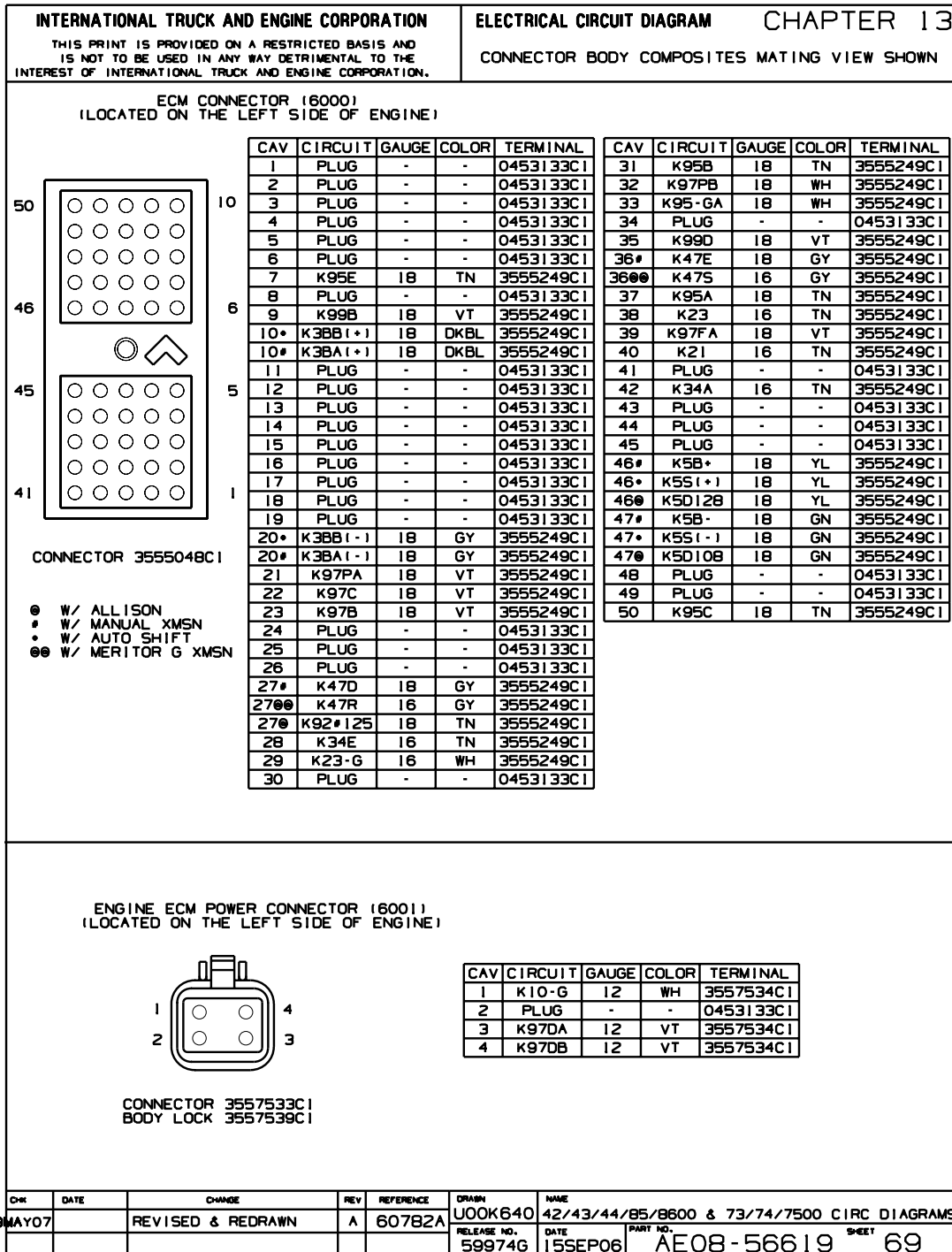


Figure 285 Connector Composites (6000), (6001)

13.74. CONNECTOR COMPOSITES (6010), (6011), P. 70

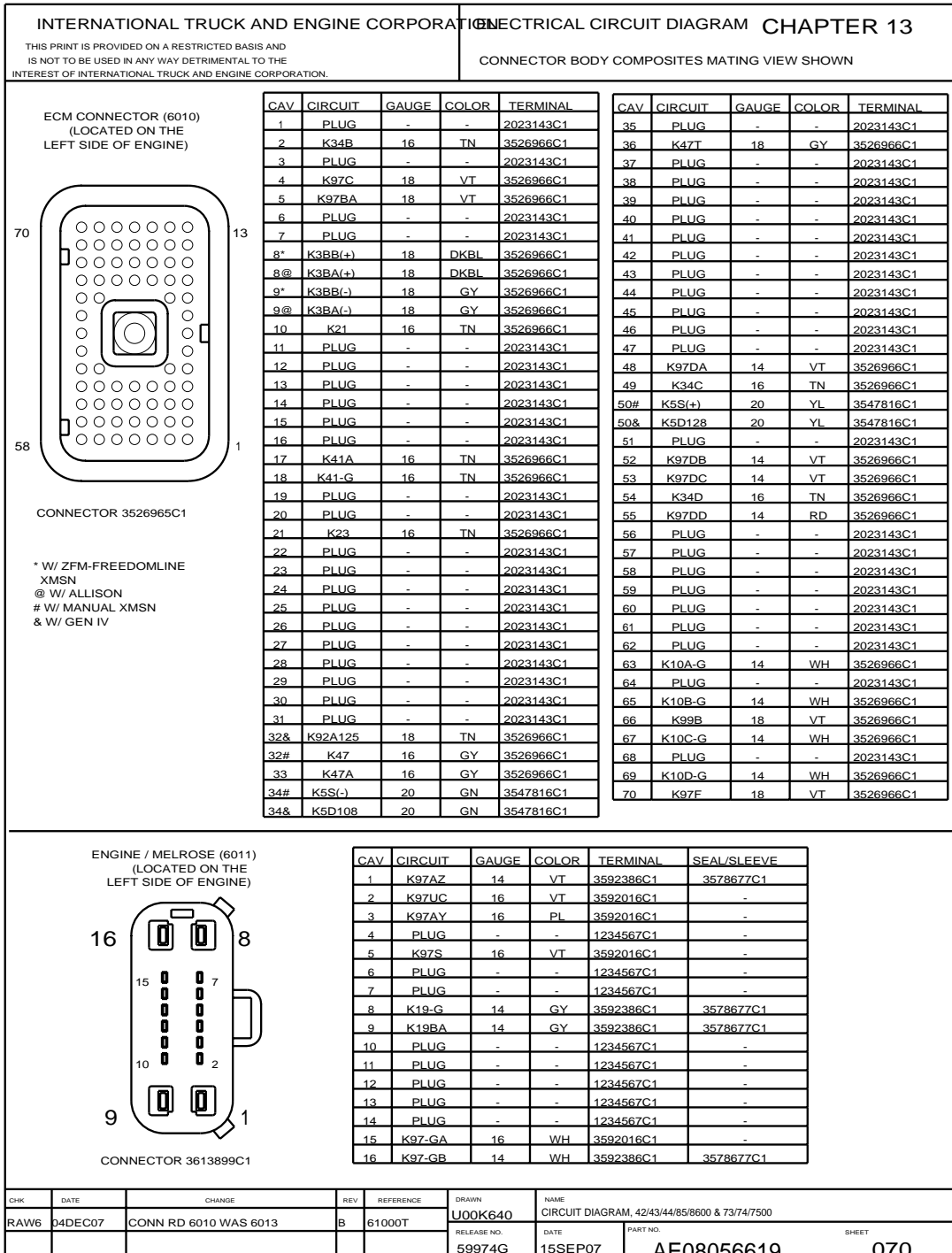


Figure 286 Connector Composites (6010), (6011)

13.75. CONNECTOR COMPOSITES (6020M), P. 71

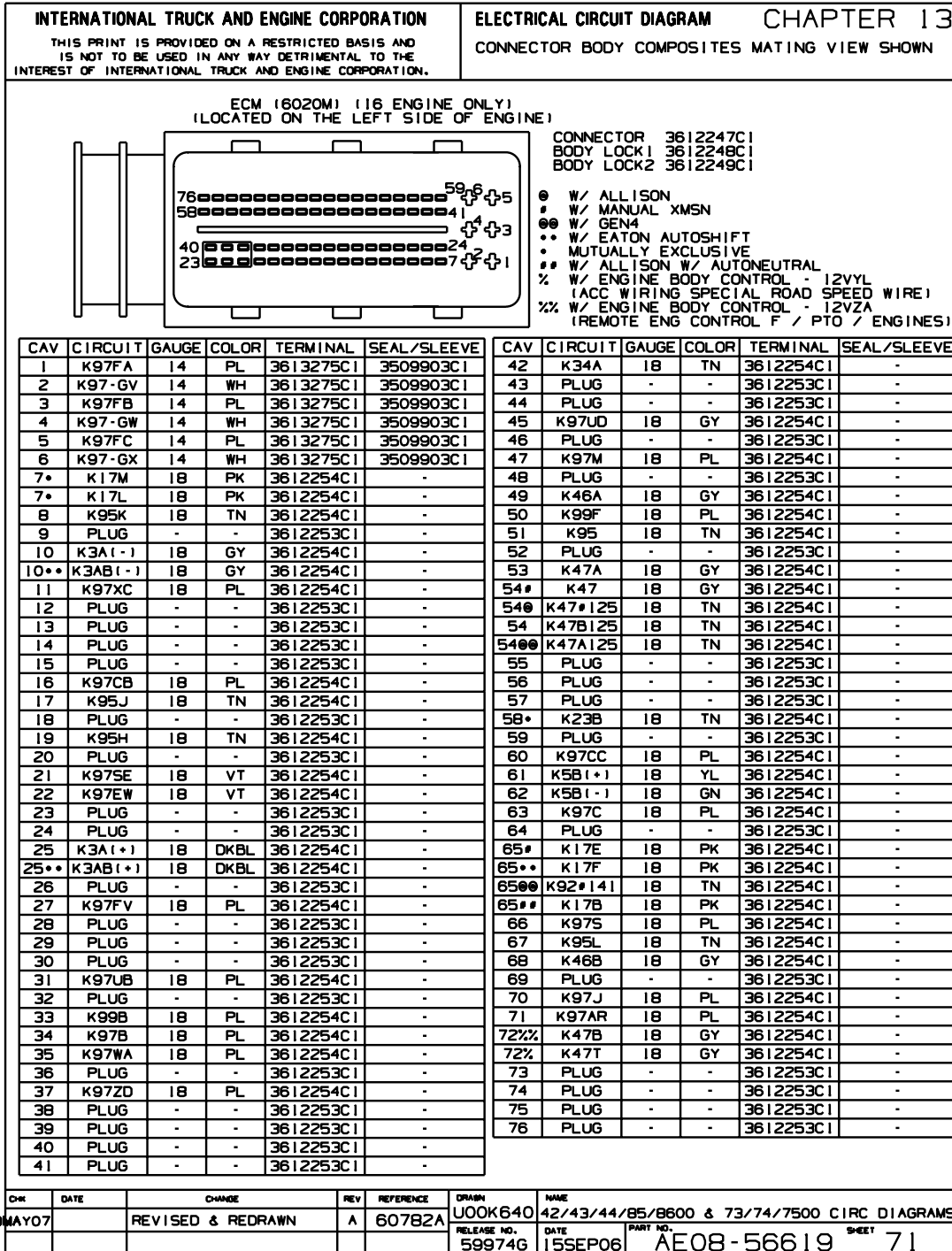


Figure 287 Connector Composites (6020M)

13.76. CONNECTOR COMPOSITES (6020), P. 72

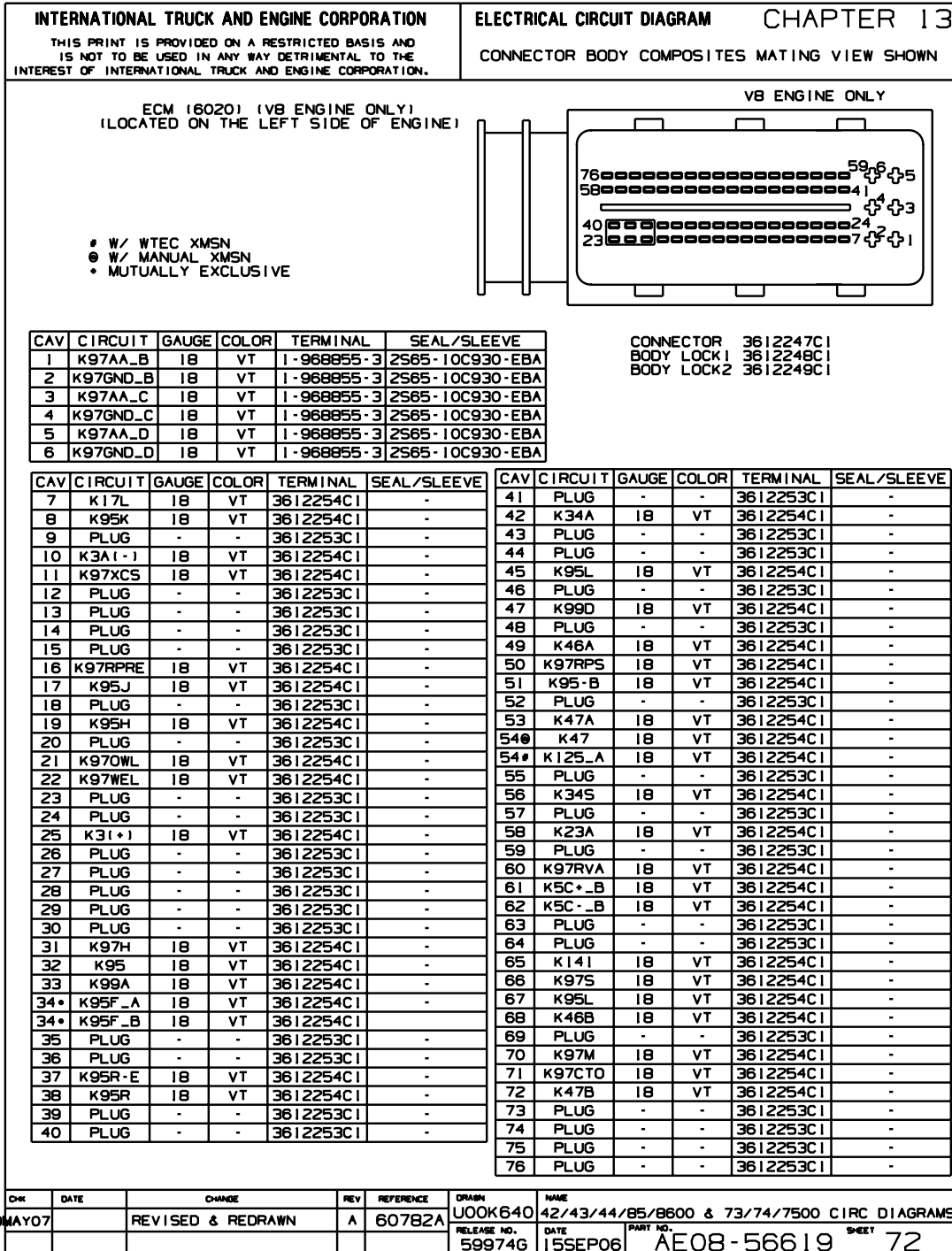


Figure 288 Connector Composites (6020)

13.77. CONNECTOR COMPOSITES (6022), (6023), P. 73

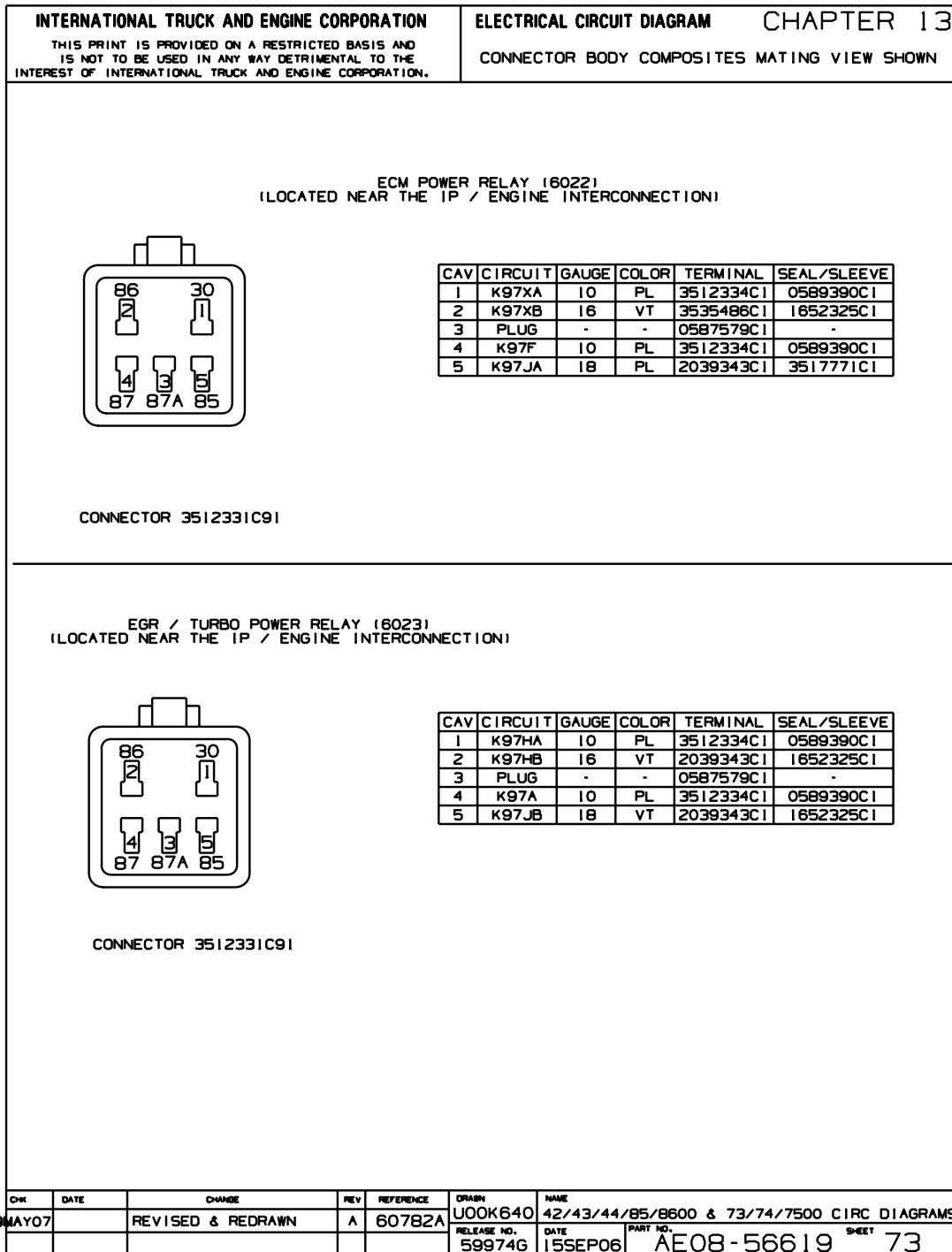
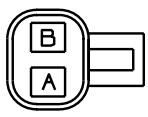


Figure 289 Connector Composites (6022), (6023)

13.78. CONNECTOR COMPOSITES (6200), (6201), (6259), (6260), P. 74

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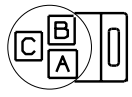
FREON COMPRESSOR (6200)
 (LOCATED ON A/C COMPRESSOR FRONT RIGHT SIDE OF ENGINE)



CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	K77-G	18	WH	2033819C1	1652325C1
B	K77	18	LTGN	2033819C1	1652325C1

CONNECTOR 1671610C1
 BODY LOCK 1671608C1

A/C PRESSURE TRANSDUCER (6201)
 (LOCATED ON A/C COMPRESSOR FRONT RIGHT SIDE OF ENGINE)



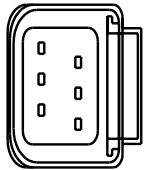
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A*	K9AA	18	GY	3554322C1
A*	K9AB	18	GY	3554322C1
A*	K9AAA	18	GY	3554322C1
B	K6DB	18	GY	3554322C1
C	K77B	18	LTGN	3554322C1

CONNECTOR 3662921C1

• MUTUALLY EXCLUSIVE

AFTER TREATMENT SYSTEM (6259)
 (LOCATED IN THE AREA NEAR THE TRANSMISSION RIGHT SIDE)

6 3



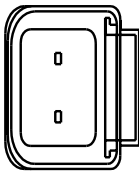
4 1

CONNECTOR 3612305C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	K95-B	18	VT	3612308C1
2	K95R-A	18	VT	3612308C1
3	K95H	18	VT	3612308C1
4	K95J	18	VT	3612308C1
5	K95K	18	VT	3612308C1
6	K95L	18	VT	3612308C1

DOCT SENSOR BLACK (6260)
 (LOCATED BY RIGHT FRAME RAIL NEAR TRANSMISSION AREA)

2



1

CONNECTOR 3626435C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
1	K95F4	18	TN	3573077C1	N/A
2	K95K	18	TN	3573077C1	N/A

CHR	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
01	MAY07	REVISED & REDRAWN	A	60782A	U00K640	42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS
					RELEASE NO.	DATE
					59974G	15SEP06
					PART NO.	SHEET
					AE08-56619	74

Figure 290 Connector Composites (6200), (6201), (6259), (6260)

13.79. CONNECTOR COMPOSITES (6261), (6262), (6263), (6304), (6323), P. 75

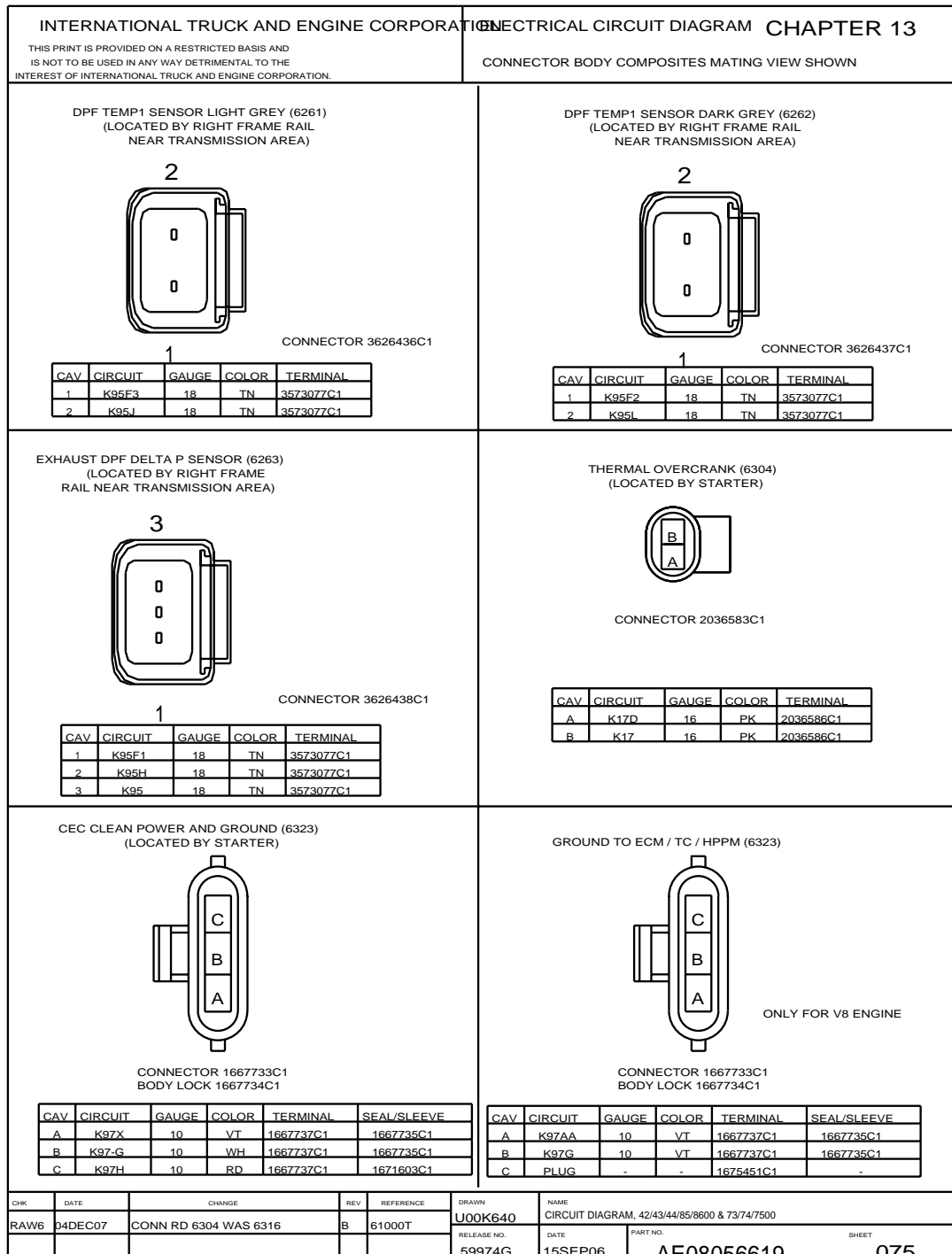


Figure 291 Connector Composites (6261), (6262), (6263), (6304), (6323)

13.80. CONNECTOR COMPOSITES (6334), (6400), (6401), P. 76

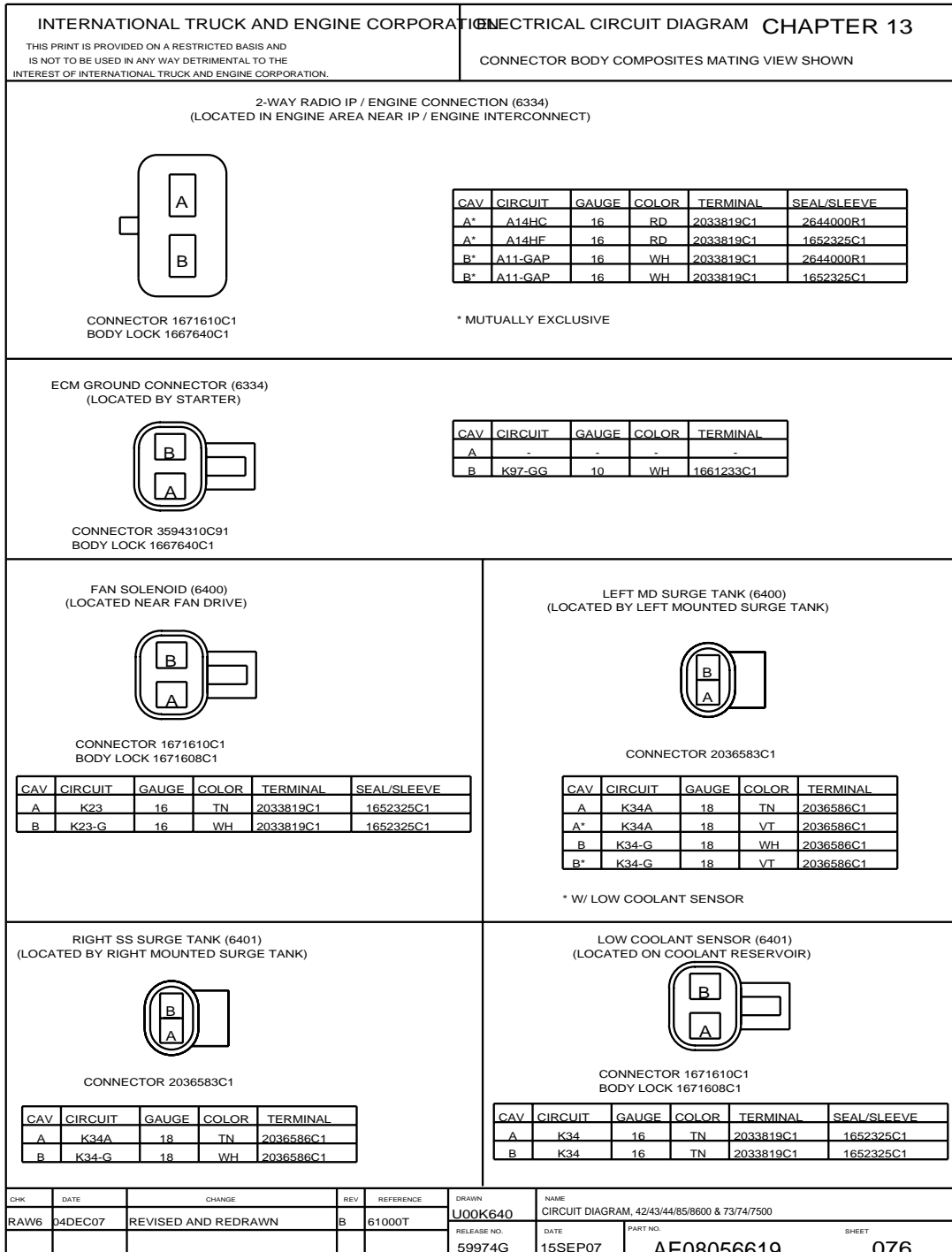


Figure 292 Connector Composites (6334), (6400), (6401)

13.81. CONNECTOR COMPOSITES (6402), (6403), (6406M), P. 77

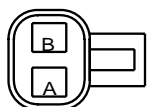
INTERNATIONAL TRUCK AND ENGINE CORPORATION				ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13																																	
THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF INTERNATIONAL TRUCK AND ENGINE CORPORATION.				CONNECTOR BODY COMPOSITES MATING VIEW SHOWN																																	
<p>LOW COOLANT SOLENOID (6402)</p> <div style="display: flex; align-items: center;"> <div> <p>CONNECTOR 3582941C1 BODY LOCK 1661874C1</p> </div> </div> <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr> <th>CAV</th> <th>CIRCUIT</th> <th>GAUGE</th> <th>COLOR</th> <th>TERMINAL</th> <th>SEAL/SLEEVE</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>K59</td> <td>18</td> <td>VT</td> <td>1667742C1</td> <td>1661872C1</td> </tr> <tr> <td>B</td> <td>K34S</td> <td>18</td> <td>VT</td> <td>1667742C1</td> <td>1661872C1</td> </tr> </tbody> </table>								CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE	A	K59	18	VT	1667742C1	1661872C1	B	K34S	18	VT	1667742C1	1661872C1												
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE																																
A	K59	18	VT	1667742C1	1661872C1																																
B	K34S	18	VT	1667742C1	1661872C1																																
<p>VARIABLE SPEED FAN DRIVE (6402) (ISM ENGINE)</p> <div style="display: flex; align-items: center;"> <div> <p>CONNECTOR 3540757C1 BODY LOCK 3540758C1</p> </div> </div> <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr> <th>CAV</th> <th>CIRCUIT</th> <th>GAUGE</th> <th>COLOR</th> <th>TERMINAL</th> <th>SEAL/SLEEVE</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>K23</td> <td>16</td> <td>TN</td> <td>1667742C1</td> <td>1661872C1</td> </tr> <tr> <td>B</td> <td>K9AD</td> <td>18</td> <td>GY</td> <td>1667742C1</td> <td>1661872C1</td> </tr> <tr> <td>C</td> <td>K23A</td> <td>16</td> <td>TN</td> <td>1667742C1</td> <td>1661872C1</td> </tr> <tr> <td>D</td> <td>K23-G</td> <td>16</td> <td>WH</td> <td>1667742C1</td> <td>1661872C1</td> </tr> </tbody> </table>								CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE	A	K23	16	TN	1667742C1	1661872C1	B	K9AD	18	GY	1667742C1	1661872C1	C	K23A	16	TN	1667742C1	1661872C1	D	K23-G	16	WH	1667742C1	1661872C1
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE																																
A	K23	16	TN	1667742C1	1661872C1																																
B	K9AD	18	GY	1667742C1	1661872C1																																
C	K23A	16	TN	1667742C1	1661872C1																																
D	K23-G	16	WH	1667742C1	1661872C1																																
<p>VARIABLE SPEED FAN DRIVE (6402) (CAT ENGINE) (LOCATED ON FRONT RIGHT SIDE OF ENGINE)</p> <div style="display: flex; align-items: center;"> <div> <p>CONNECTOR 3540756C1 BODY LOCK 3540758C1</p> </div> </div> <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr> <th>CAV</th> <th>CIRCUIT</th> <th>GAUGE</th> <th>COLOR</th> <th>TERMINAL</th> <th>SEAL/SLEEVE</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>K23</td> <td>16</td> <td>TN</td> <td>1661875C1</td> <td>1661872C1</td> </tr> <tr> <td>B</td> <td>K9AD</td> <td>18</td> <td>GY</td> <td>1661875C1</td> <td>1661872C1</td> </tr> <tr> <td>C</td> <td>K23A</td> <td>16</td> <td>TN</td> <td>1661875C1</td> <td>1661872C1</td> </tr> <tr> <td>D</td> <td>K23-G</td> <td>16</td> <td>WH</td> <td>1661875C1</td> <td>1661872C1</td> </tr> </tbody> </table>								CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE	A	K23	16	TN	1661875C1	1661872C1	B	K9AD	18	GY	1661875C1	1661872C1	C	K23A	16	TN	1661875C1	1661872C1	D	K23-G	16	WH	1661875C1	1661872C1
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE																																
A	K23	16	TN	1661875C1	1661872C1																																
B	K9AD	18	GY	1661875C1	1661872C1																																
C	K23A	16	TN	1661875C1	1661872C1																																
D	K23-G	16	WH	1661875C1	1661872C1																																
<p>LOW COOLANT SENDER (6403) (LOCATED ON COOLANT RESERVOIR)</p> <div style="display: flex; align-items: center;"> <div> <p>CONNECTOR 1673746C1 BODY LOCK 1661873C1</p> </div> </div> <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr> <th>CAV</th> <th>CIRCUIT</th> <th>GAUGE</th> <th>COLOR</th> <th>TERMINAL</th> <th>SEAL/SLEEVE</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>K34D</td> <td>16</td> <td>TN</td> <td>1661875C1</td> <td>1661872C1</td> </tr> <tr> <td>B</td> <td>K34-GA</td> <td>16</td> <td>WH</td> <td>1661875C1</td> <td>1661872C1</td> </tr> <tr> <td>C</td> <td>K34B</td> <td>16</td> <td>TN</td> <td>1661875C1</td> <td>1661872C1</td> </tr> <tr> <td>D</td> <td>K34C</td> <td>16</td> <td>TN</td> <td>1661875C1</td> <td>1661872C1</td> </tr> </tbody> </table>								CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE	A	K34D	16	TN	1661875C1	1661872C1	B	K34-GA	16	WH	1661875C1	1661872C1	C	K34B	16	TN	1661875C1	1661872C1	D	K34C	16	TN	1661875C1	1661872C1
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE																																
A	K34D	16	TN	1661875C1	1661872C1																																
B	K34-GA	16	WH	1661875C1	1661872C1																																
C	K34B	16	TN	1661875C1	1661872C1																																
D	K34C	16	TN	1661875C1	1661872C1																																
<p>AC CLUTCH 1 (6406M) (LOCATED NEAR TOP RIGHT FORWARD CORNER OF ENGINE)</p> <div style="display: flex; align-items: center;"> <div> <p>CONNECTOR 1671610C1 BODY LOCK 1671608C1</p> </div> </div> <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr> <th>CAV</th> <th>CIRCUIT</th> <th>GAUGE</th> <th>COLOR</th> <th>TERMINAL</th> <th>SEAL/SLEEVE</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>K77G B</td> <td>16</td> <td>VT</td> <td>2033819C1</td> <td>1652325C1</td> </tr> <tr> <td>B</td> <td>K77A A</td> <td>16</td> <td>VT</td> <td>2033819C1</td> <td>1652325C1</td> </tr> </tbody> </table>								CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE	A	K77G B	16	VT	2033819C1	1652325C1	B	K77A A	16	VT	2033819C1	1652325C1												
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CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME																															
RAW6	04DEC07	REVISED AND REDRAWN	B	61000T	U00K640	CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500																															
RELEASE NO.		DATE		PART NO.		SHEET																															
59974G		15SEP07		AE08056619		077																															

Figure 293 Connector Composites (6402), (6403), (6406M)

13.82. CONNECTOR COMPOSITES (6407M), (6550), (6650), (6701), P. 77A

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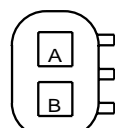
AC CLUTCH 2 (6407M)
(LOCATED NEAR LOWER LEFT FORWARD CORNER OF ENGINE)



CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	K77G A	16	VT	2033819C1	1652325C1
B	K77A C	16	VT	2033819C1	1652325C1

CONNECTOR 1671610C1
BODY LOCK 1671608C1

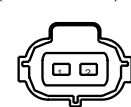
ETHER BOTTLE CONTROL VALVE (6550)
(LOCATED ON ETHER BOTTLE - FRONT LEFT RAIL)



CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	K21	16	TN	2033911C1	1652325C1
B	K21A	16	TN	2033911C1	1652325C1

CONNECTOR 1671611C1
BODY LOCK 1671608C1

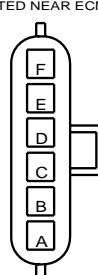
ENGINE OIL TEMP (6650)
(W/ CAT ENGINE)



CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
1	K30A	18	TN	3561584C1	3536868C1
2	K30B	18	TN	3561584C1	3536868C1

CONNECTOR 3536864C1

GROUND ADAPTER (6701)
(LOCATED NEAR ECM)



CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	K10-GA	12	WH	2033816C1	0589390C1
B	K77-G	16	WH	2033819C1	1652325C1
C#	K77-G	16	WH	2033819C1	1652325C1
C*	K23-G	16	WH	2033819C1	1652325C1
D	K21A	16	TN	2033819C1	1652325C1
E#	K21A	16	TN	2033819C1	1652325C1
E*	K10E-G	14	WH	2033816C1	0589391C1
F	PLUG	-	-	0587579C1	-

CONNECTOR 3551896C1
BODY LOCK 3551897C1

* W/ CAT ENGINE
W/ ISM ENGINE

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
RAW6	04DEC07	INITIAL RELEASE	A	61000T	300371	CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
					RELEASE NO. 61000T	DATE 31OCT07
						PART NO. AE08056619
						SHEET 77a

Figure 294 Connector Composites (6407M), (6550), (6650), (6701)

13.83. CONNECTOR COMPOSITES (6702), (6703), (6703M), (6704), P. 78

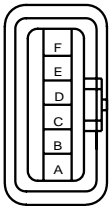
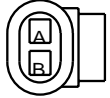
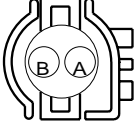
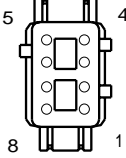
INTERNATIONAL TRUCK AND ENGINE CORPORATION				ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13																																																																											
THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF INTERNATIONAL TRUCK AND ENGINE CORPORATION.				CONNECTOR BODY COMPOSITES MATING VIEW SHOWN																																																																											
<p>ZERO VOLT REFERENCE (6702) (LOCATED AT UPPER REAR SIDE OF ENGINE)</p>  <p>CONNRCOR 3543729C1 BODY LOCK 3543731C1</p>				<table border="1" style="width:100%; border-collapse: collapse; font-size: x-small;"> <thead> <tr> <th>CAV</th> <th>CIRCUIT</th> <th>GAUGE</th> <th>COLOR</th> <th>TERMINAL</th> <th>SEAL/SLEEVE</th> </tr> </thead> <tbody> <tr><td>A</td><td>K9AA</td><td>16</td><td>GY</td><td>3535303C1</td><td>3535424C1</td></tr> <tr><td>B*</td><td>K9AB</td><td>16</td><td>GY</td><td>3535303C1</td><td>3535424C1</td></tr> <tr><td>B**</td><td>K9AAA</td><td>16</td><td>GY</td><td>3535303C1</td><td>3535424C1</td></tr> <tr><td>C%*</td><td>K9AC</td><td>18</td><td>GY</td><td>3535303C1</td><td>3535424C1</td></tr> <tr><td>C**</td><td>K9AB</td><td>18</td><td>TN</td><td>3535303C1</td><td>3535424C1</td></tr> <tr><td>C*@</td><td>K9AAD</td><td>18</td><td>GY</td><td>3535303C1</td><td>3535424C1</td></tr> <tr><td>D**</td><td>K9AAB</td><td>18</td><td>GY</td><td>3535303C1</td><td>3535424C1</td></tr> <tr><td>D*</td><td>K30B</td><td>18</td><td>TN</td><td>3535303C1</td><td>3535424C1</td></tr> <tr><td>E</td><td>K9AD</td><td>18</td><td>GY</td><td>3535303C1</td><td>3535424C1</td></tr> <tr><td>F**</td><td>K9AAD</td><td>18</td><td>GY</td><td>3535303C1</td><td>3535424C1</td></tr> <tr><td>F*</td><td>K9AAB</td><td>18</td><td>GY</td><td>3535303C1</td><td>3535424C1</td></tr> </tbody> </table> <p style="font-size: x-small;">* W/ CAT ENGINE ** W/ ISM ENGINE @ W/ FREEDOMLINE XMSN % W/ TRANS OIL TEMP GAUGE AND AC</p>				CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE	A	K9AA	16	GY	3535303C1	3535424C1	B*	K9AB	16	GY	3535303C1	3535424C1	B**	K9AAA	16	GY	3535303C1	3535424C1	C%*	K9AC	18	GY	3535303C1	3535424C1	C**	K9AB	18	TN	3535303C1	3535424C1	C*@	K9AAD	18	GY	3535303C1	3535424C1	D**	K9AAB	18	GY	3535303C1	3535424C1	D*	K30B	18	TN	3535303C1	3535424C1	E	K9AD	18	GY	3535303C1	3535424C1	F**	K9AAD	18	GY	3535303C1	3535424C1	F*	K9AAB	18	GY	3535303C1	3535424C1
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE																																																																										
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B*	K9AB	16	GY	3535303C1	3535424C1																																																																										
B**	K9AAA	16	GY	3535303C1	3535424C1																																																																										
C%*	K9AC	18	GY	3535303C1	3535424C1																																																																										
C**	K9AB	18	TN	3535303C1	3535424C1																																																																										
C*@	K9AAD	18	GY	3535303C1	3535424C1																																																																										
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D*	K30B	18	TN	3535303C1	3535424C1																																																																										
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F**	K9AAD	18	GY	3535303C1	3535424C1																																																																										
F*	K9AAB	18	GY	3535303C1	3535424C1																																																																										
<p>AIR RESTRICTION GAUGE (6703)</p>  <p>CONNRCOR 3522068C1 BODY LOCK 1661874C1</p>				<table border="1" style="width:100%; border-collapse: collapse; font-size: x-small;"> <thead> <tr> <th>CAV</th> <th>CIRCUIT</th> <th>GAUGE</th> <th>COLOR</th> <th>TERMINAL</th> <th>SEAL/SLEEVE</th> </tr> </thead> <tbody> <tr><td>A</td><td>K9AAB</td><td>18</td><td>GY</td><td>1661875C1</td><td>1661872C1</td></tr> <tr><td>B</td><td>K28</td><td>18</td><td>TN</td><td>1661875C1</td><td>1661872C1</td></tr> </tbody> </table>				CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE	A	K9AAB	18	GY	1661875C1	1661872C1	B	K28	18	TN	1661875C1	1661872C1																																																						
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B	K28	18	TN	1661875C1	1661872C1																																																																										
<p>INTAKE AIR TEMP (6703M) (LOCATED ON AIR FILTER HOUSING)</p>  <p>CONNECTOR 1689462C1 BODY LOCK 1689463C1</p>				<table border="1" style="width:100%; border-collapse: collapse; font-size: x-small;"> <thead> <tr> <th>CAV</th> <th>CIRCUIT</th> <th>GAUGE</th> <th>COLOR</th> <th>TERMINAL</th> </tr> </thead> <tbody> <tr><td>A*</td><td>K97E</td><td>16</td><td>PL</td><td>1689464C1</td></tr> <tr><td>A#</td><td>K97R</td><td>18</td><td>VT</td><td>1689464C1</td></tr> <tr><td>B*</td><td>K97S</td><td>16</td><td>VT</td><td>1689464C1</td></tr> <tr><td>B#</td><td>K97S</td><td>18</td><td>VT</td><td>1689464C1</td></tr> </tbody> </table> <p style="font-size: x-small;">* W/ I6 ENGINE # W/ V8 ENGINE</p>				CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	A*	K97E	16	PL	1689464C1	A#	K97R	18	VT	1689464C1	B*	K97S	16	VT	1689464C1	B#	K97S	18	VT	1689464C1																																															
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL																																																																											
A*	K97E	16	PL	1689464C1																																																																											
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B*	K97S	16	VT	1689464C1																																																																											
B#	K97S	18	VT	1689464C1																																																																											
<p>FLEETGUARD AFTERTREATMENT (6704) (LOCATED AT UNDER SIDE OF TRANSMISSION)</p>  <p>CONNECTOR 3539139C1 BODY LOCK 3539144C1</p>				<table border="1" style="width:100%; border-collapse: collapse; font-size: x-small;"> <thead> <tr> <th>CAV</th> <th>CIRCUIT</th> <th>GAUGE</th> <th>COLOR</th> <th>TERMINAL</th> </tr> </thead> <tbody> <tr><td>1</td><td>K95A</td><td>18</td><td>TN</td><td>3555249C1</td></tr> <tr><td>2</td><td>K95B</td><td>18</td><td>TN</td><td>3555249C1</td></tr> <tr><td>3</td><td>K95C</td><td>18</td><td>TN</td><td>3555249C1</td></tr> <tr><td>4</td><td>K95-GA</td><td>18</td><td>WH</td><td>3555249C1</td></tr> <tr><td>5</td><td>K95D</td><td>18</td><td>TN</td><td>3555249C1</td></tr> <tr><td>6</td><td>K95E</td><td>18</td><td>TN</td><td>3555249C1</td></tr> <tr><td>7</td><td>K95-GB</td><td>18</td><td>WH</td><td>3555249C1</td></tr> <tr><td>8</td><td>PLUG</td><td>-</td><td>-</td><td>3527276C1</td></tr> </tbody> </table>				CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	1	K95A	18	TN	3555249C1	2	K95B	18	TN	3555249C1	3	K95C	18	TN	3555249C1	4	K95-GA	18	WH	3555249C1	5	K95D	18	TN	3555249C1	6	K95E	18	TN	3555249C1	7	K95-GB	18	WH	3555249C1	8	PLUG	-	-	3527276C1																											
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL																																																																											
1	K95A	18	TN	3555249C1																																																																											
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RAW6	04DEC07	REVISED AND REDRAWN	B	61000T	U00K640	CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500																																																																									
					RELEASE NO.	DATE	PART NO.																																																																								
					59974G	15SEP06	AE08056619																																																																								
							SHEET 078																																																																								

Figure 295 Connector Composites (6702), (6703), (6703M), (6704)

13.84. CONNECTOR COMPOSITES (6704M), (6712), (6714), (6747), P. 79

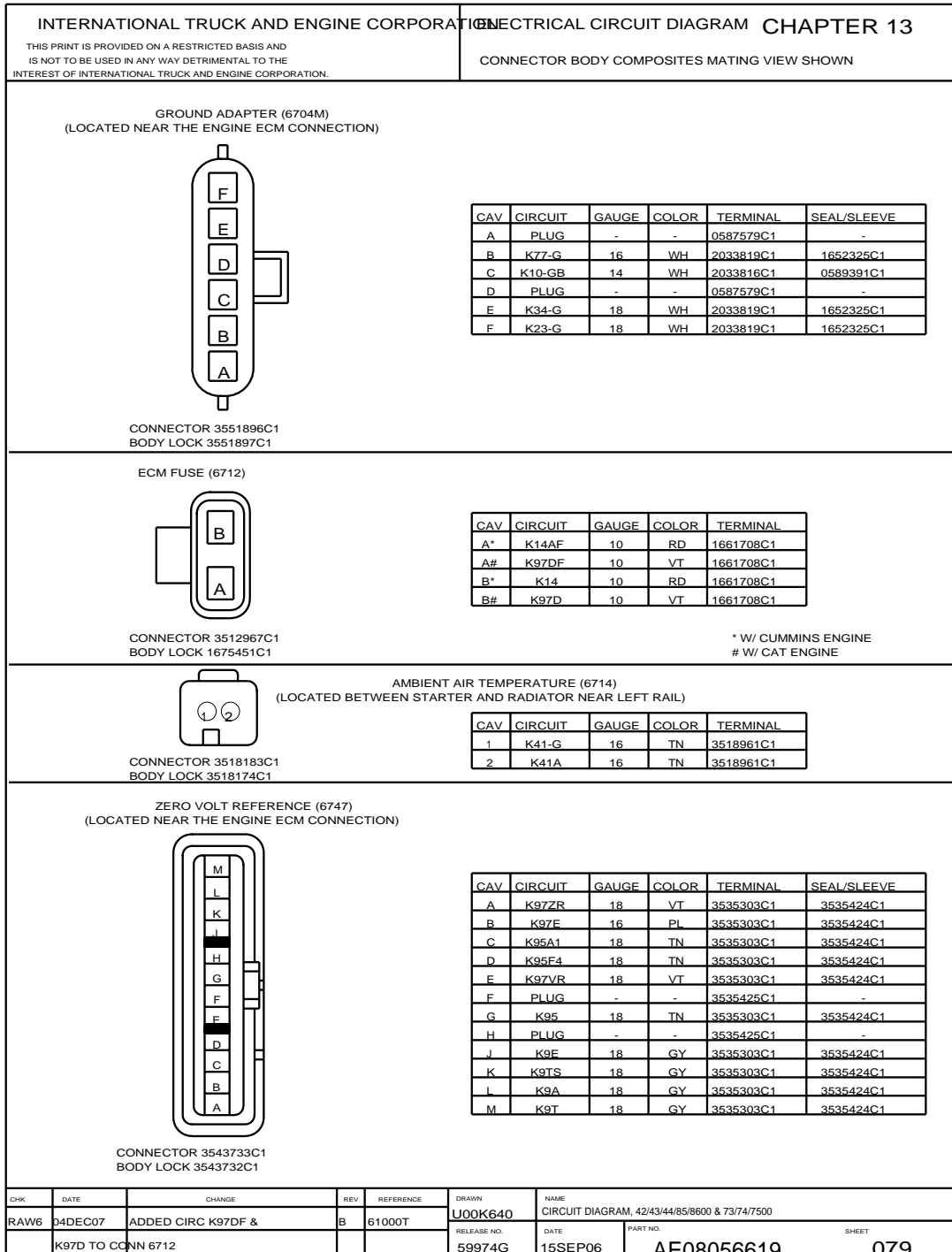


Figure 296 Connector Composites (6704M), (6712), (6714), (6747)

13.85. CONNECTOR COMPOSITES (6900), (6901), (7103), (7103M), (7104), P. 80

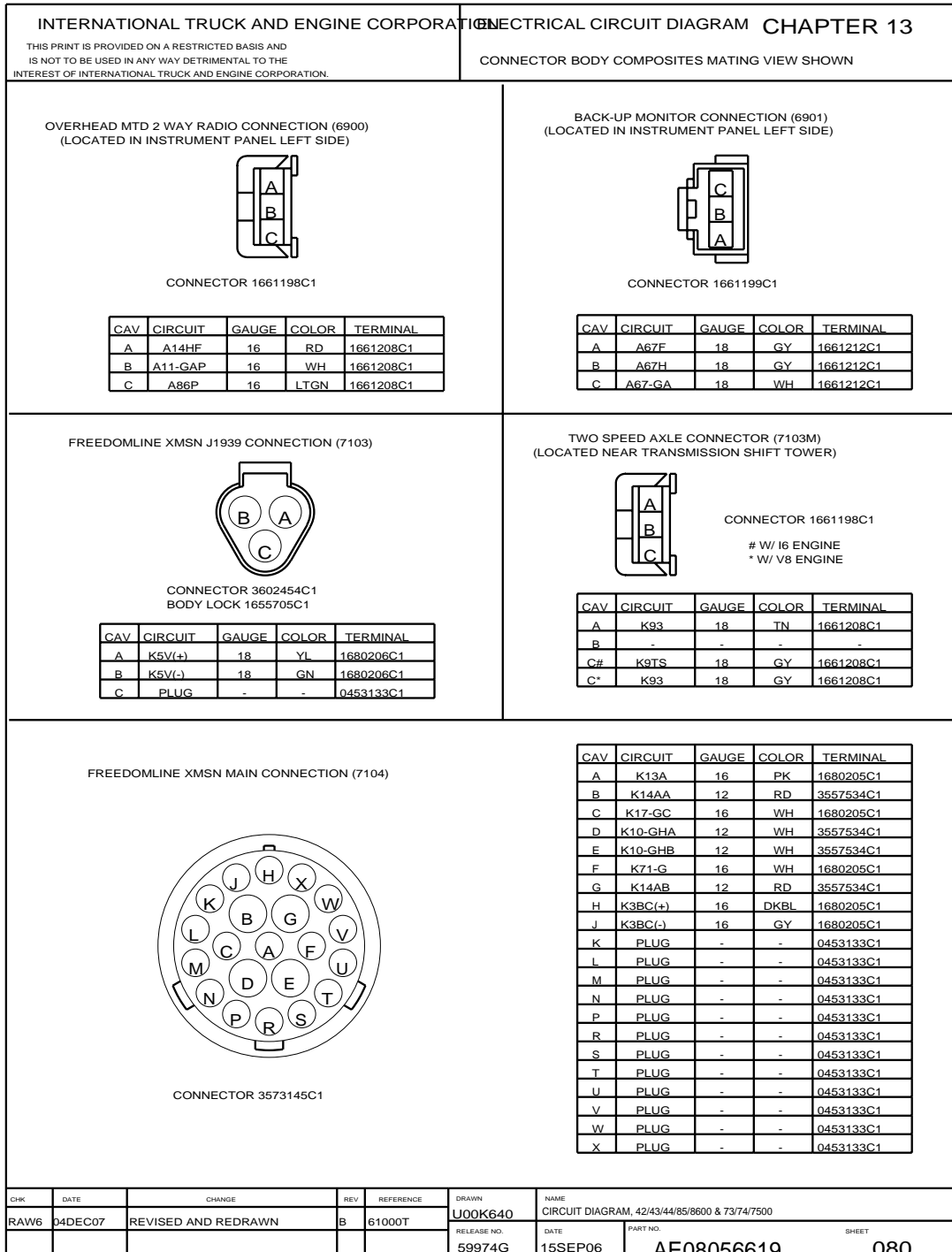


Figure 297 Connector Composites (6900), (6901), (7103), (7103M), (7104)

13.86. CONNECTOR COMPOSITES (7104), (7105), P. 81

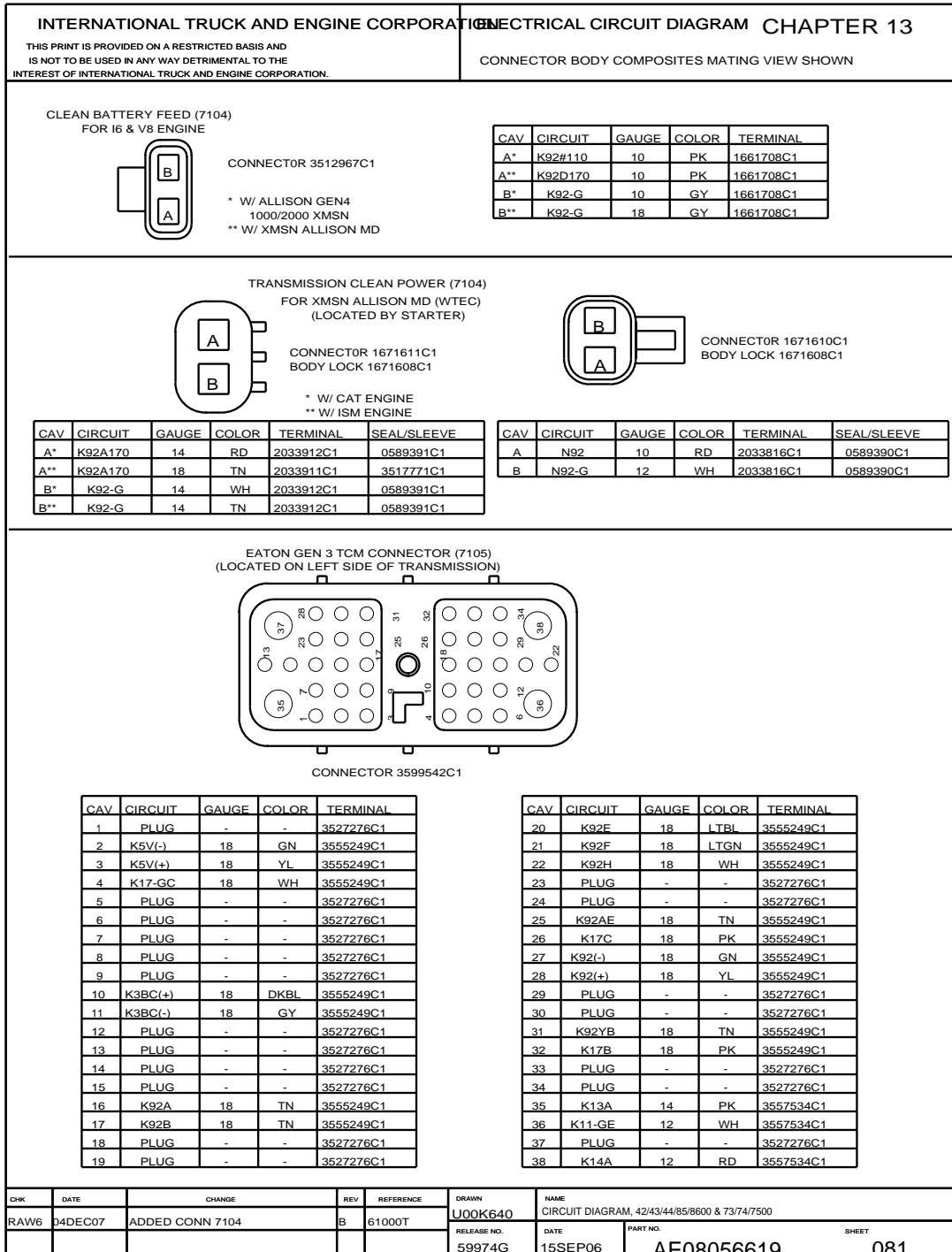


Figure 298 Connector Composites (7104), (7105)

13.87. CONNECTOR COMPOSITES (7110), (7111), P. 82

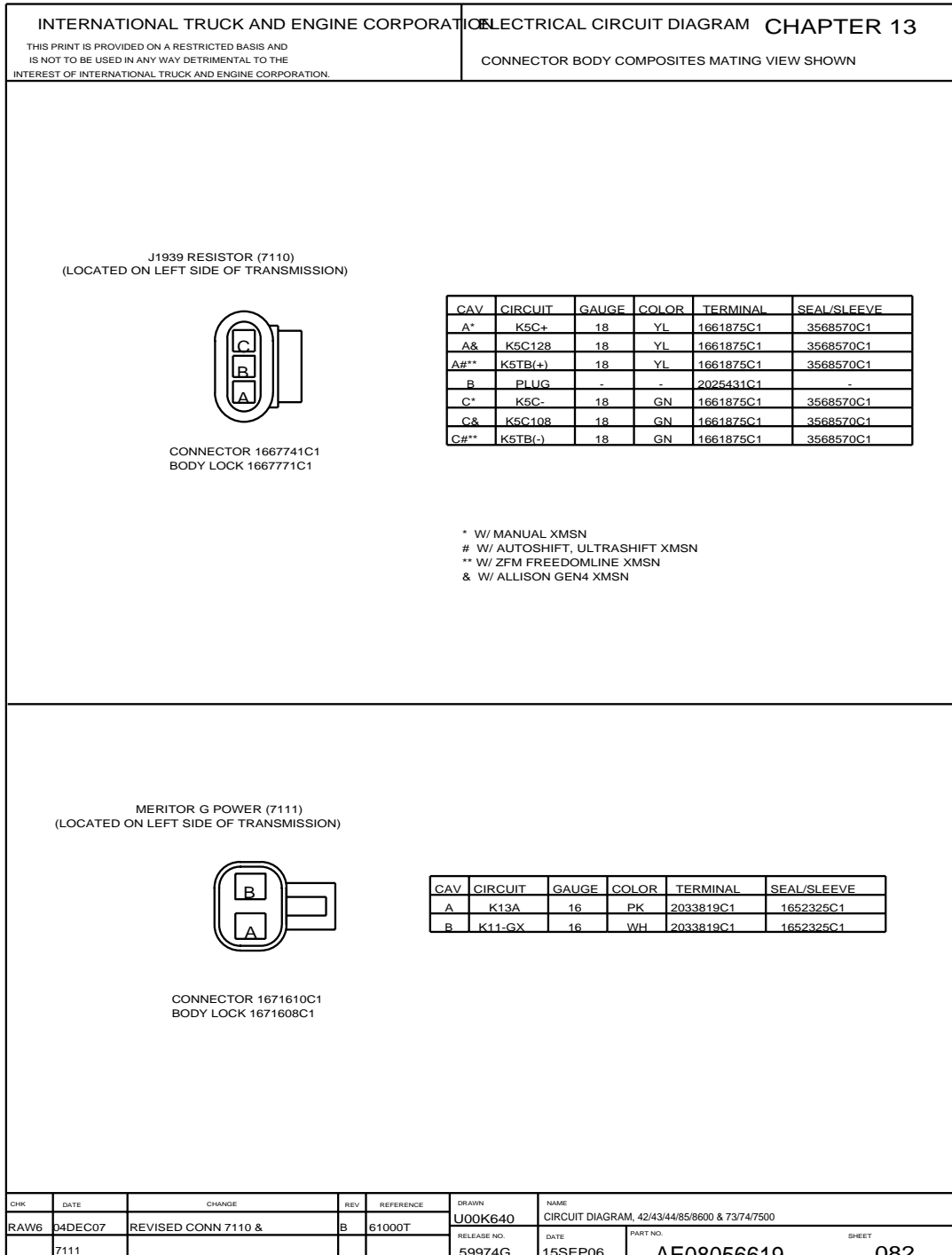


Figure 299 Connector Composites (7110), (7111)

13.88. CONNECTOR COMPOSITES (7150), P. 83

INTERNATIONAL TRUCK AND ENGINE CORPORATION					ELECTRICAL CIRCUIT DIAGRAM					CHAPTER 13	
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 BODY COMPOSITES MATING VIEW SHOWN	
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	TRANSMISSION MODULE (7150) (LOCATED AT TRANSMISSION TCM CONNECTION) TRANSMISSION MODULE IN CAB (7152) (LOCATED IN CAB)	
1	K92#101	18	LTBL	3606047C1	41	K92A141	18	WH	3606047C1		
1%	K101_C	18	VT	3606047C1	41**	K92A141	18	TN	3606047C1		
2	-	-	-	-	41	K92#141	18	TN	3606047C1		
3	K92#103	18	YL	3606047C1	41%	K141	18	VT	3606047C1		
4	-	-	-	-	42**	K92#142	18	TN	3606047C1		
5	K92#105	18	OR	3606047C1	42*	K92#142	18	WH	3606047C1		
6	-	-	-	-	43	K92#143	18	LTBL	3606047C1		
7	-	-	-	-	44	-	-	-	-		
8	K5A108	18	GN	3606047C1	45	K92#145	18	OR	3606047C1		
8%	K5C*_D	18	VT	3606047C1	45**	K92#145	18	TN	3606047C1		
9**	K92C109	18	GY	3606047C1	46	-	-	-	-		
9	K92#109	18	GY	3606047C1	47	-	-	-	-		
10**	K92B110	18	PK	3606047C1	48	-	-	-	-		
10	K92#110	18	PK	3606047C1	49	-	-	-	-		
11	K92#111	18	OR	3606047C1	50	-	-	-	-		
12*	K92A112	18	PK	3606047C1	51	K92#151	18	WH	3606047C1		
12	K92#112	18	TN	3606047C1	52	K92#152	18	LTGN	3606047C1		
13	-	-	-	-	53	-	-	-	-		
14	-	-	-	-	54**	K31#154	18	TN	3606047C1		
15	K92#115	18	WH	3606047C1	54	K92#154	18	TN	3606047C1		
16	K92#116	18	LTBL	3606047C1	55**	K92#155	18	WH	3606047C1		
17**	K92A117	18	TN	3606047C1	55	K92#155	18	TN	3606047C1		
17**	K92#117	18	TN	3606047C1	56	K92#156	18	PK	3606047C1		
17**	K92#117	18	LTBL	3606047C1	57	K92#157	18	WH	3606047C1		
18	-	-	-	-	58*	K92A158	18	LTGN	3606047C1		
19	K92#119	18	LTBL	3606047C1	58*	K92#158	18	LTGN	3606047C1		
20**	K92C120	18	LTBL	3606047C1	58%	K92D158	18	LTGN	3606047C1		
20	K92A120	18	LTBL	3606047C1	59	K48#159	18	TN	3606047C1		
20*	K92#120	18	DKBL	3606047C1	60	K47#160	18	YL	3606047C1		
20	K92#120	18	LTBL	3606047C1	61*	K92#161	18	OR	3606047C1		
21	-	-	-	-	61	K92#161	18	TN	3606047C1		
22	K92#122	18	YL	3606047C1	62	K92#162	18	YL	3606047C1		
23	K92#123	18	LTGN	3606047C1	63**	K92#163	18	YL	3606047C1		
24*	K92#124	18	WH	3606047C1	63	K92#163	18	TN	3606047C1		
24	K92#124	18	TN	3606047C1	64	K92#164	18	LTBL	3606047C1		
25**	K47A125	18	TN	3606047C1	65	K92#165	18	TN	3606047C1		
25	K92#125	18	TN	3606047C1	66	-	-	-	-		
25%	K125_A	18	VT	3606047C1	67	-	-	-	-		
26	-	-	-	-	68	-	-	-	-		
27	-	-	-	-	69**	K92B169	18	GY	3606047C1		
28	K5A128	18	YL	3606047C1	69	K92#169	18	TN	3606047C1		
28%	K5C*_D	18	VT	3606047C1	70*	K92#170	18	PK	3606047C1		
29	-	-	-	-	70	K92#170	18	TN	3606047C1		
30	K92#130	18	WH	3606047C1	71**	K92#171	18	YL	3606047C1		
31	K92A131	18	YL	3606047C1	71	K92#171	18	TN	3606047C1		
31**	K92#131	18	YL	3606047C1	72	-	-	-	-		
32	-	-	-	-	73	-	-	-	-		
33	K92#133	18	YL	3606047C1	74**	K92#174	18	LTBL	3606047C1		
34**	K92#134	18	TN	3606047C1	74	K92#174	18	TN	3606047C1		
34	K92#134	18	GY	3606047C1	75	K92#175	18	OR	3606047C1		
35	-	-	-	-	76	K92#176	18	YL	3606047C1		
36	K92#136	18	OR	3606047C1	77*	K92#177	18	LTGN	3606047C1		
37**	K92#137	18	WH	3606047C1	77*	K92#177	18	TN	3606047C1		
37	K92#137	18	TN	3606047C1	78	-	-	-	-		
38	-	-	-	-	79	-	-	-	-		
39	K48#139	18	OR	3606047C1	80*	K92#180	18	OR	3606047C1		
40	K47#140	18	LTGN	3606047C1	80*	K92#180	18	TN	3606047C1		
					80*	K92A180	18	OR	3606047C1		

CONNECTOR 3605713C1
BODY LOCK 3606525C1

- * MUTUALLY EXCLUSIVE
- ** W/ HEAVY DUTY
- W/ MEDIUM DUTY
- ** W/ WTEC
- * W/ GEN 4
- ** W/ AUTO NTRL
- % W/ V8 ENGINE
- %% W/ 16 & V8

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
	MAY07	REVISED & REDRAWN	A	60782A	U00K640	42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS
					RELEASE NO.	DATE
					59974G	15SEP06
					PART NO.	SHEET
					AE08-56619	83

Figure 300 Connector Composites (7150)

13.89. CONNECTOR COMPOSITES (7150F), P. 84

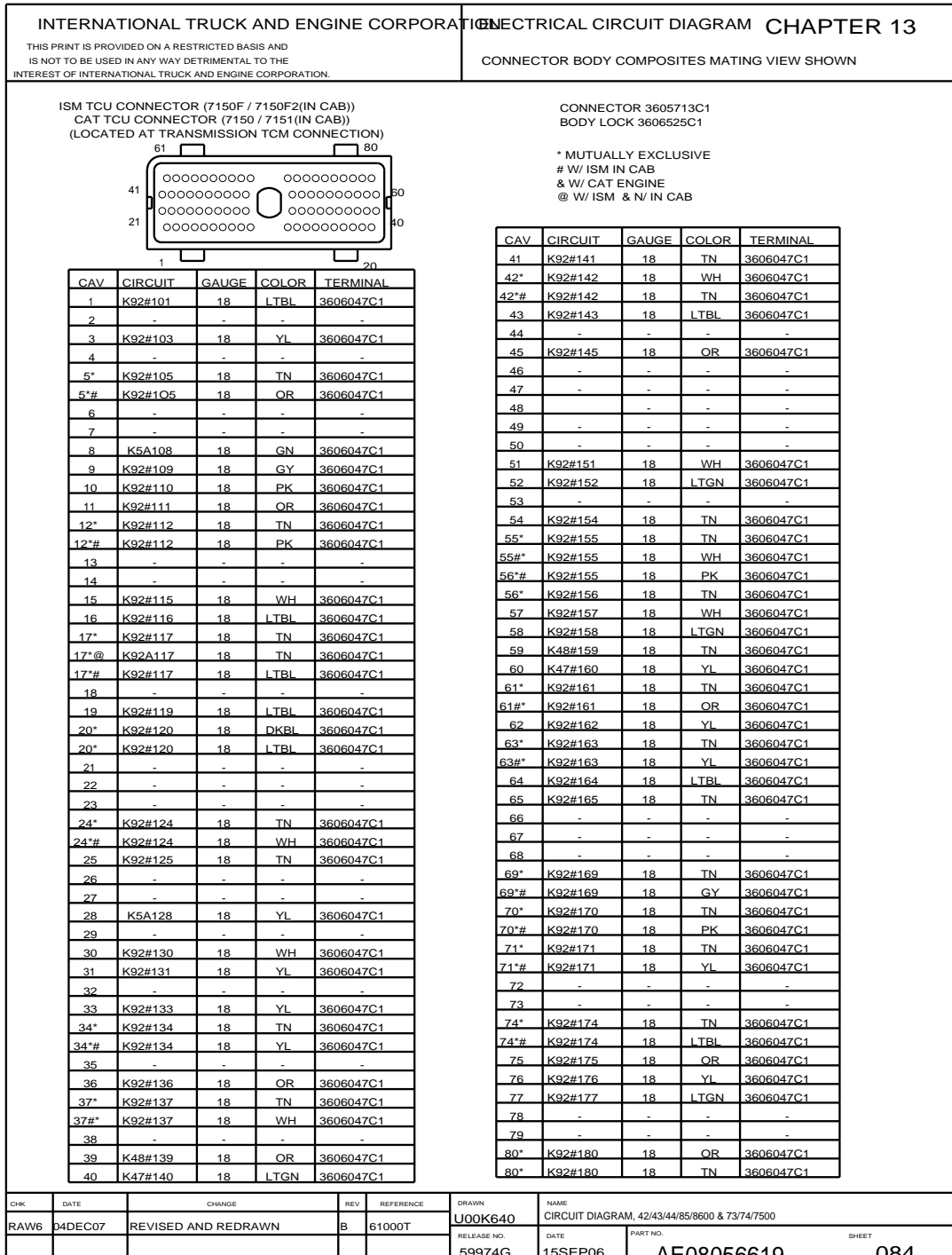


Figure 301 Connector Composites (7150F)

13.90. CONNECTOR COMPOSITES (7151), P. 85

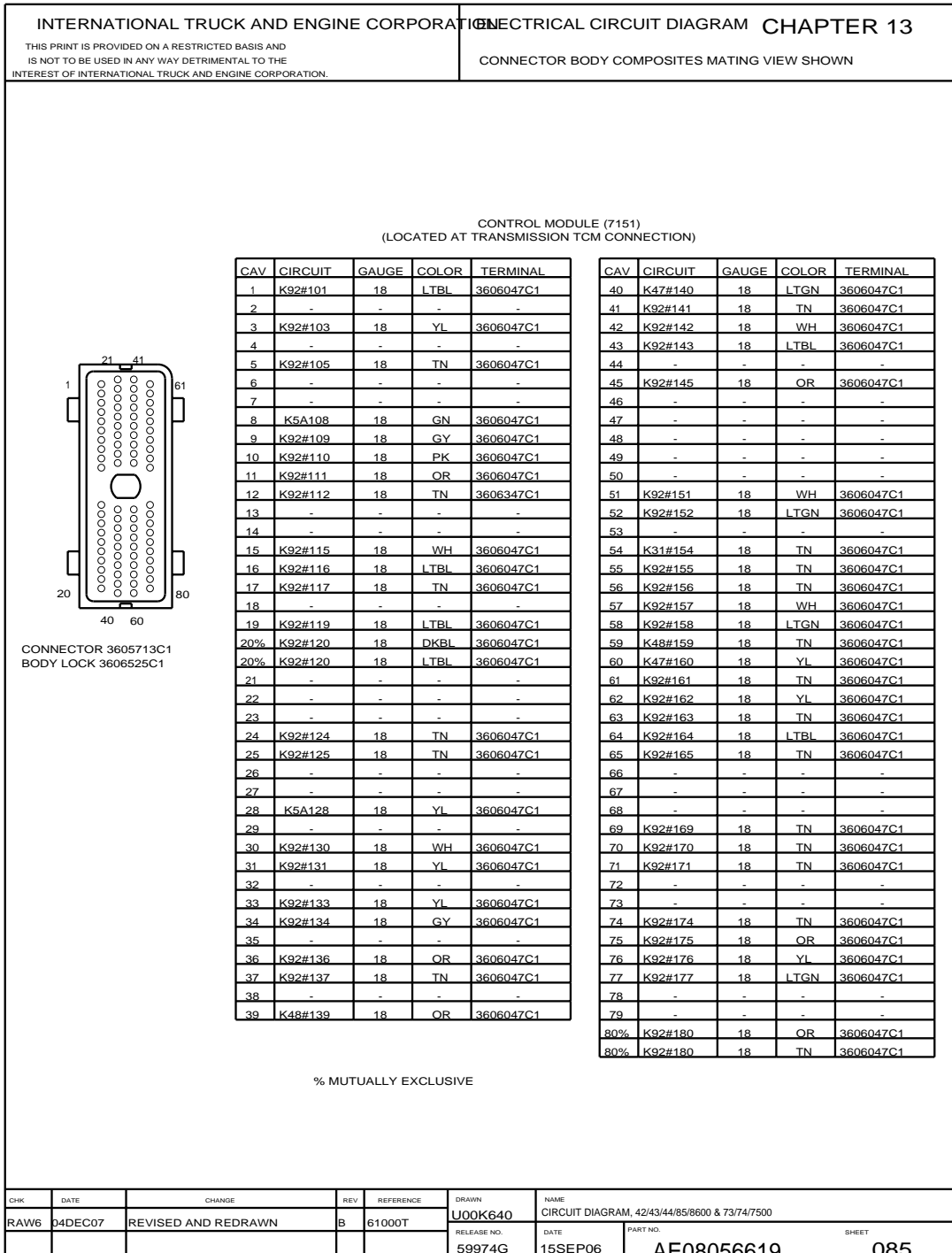


Figure 302 Connector Composites (7151)

13.91. CONNECTOR COMPOSITES (7205M), (7206F), P. 86

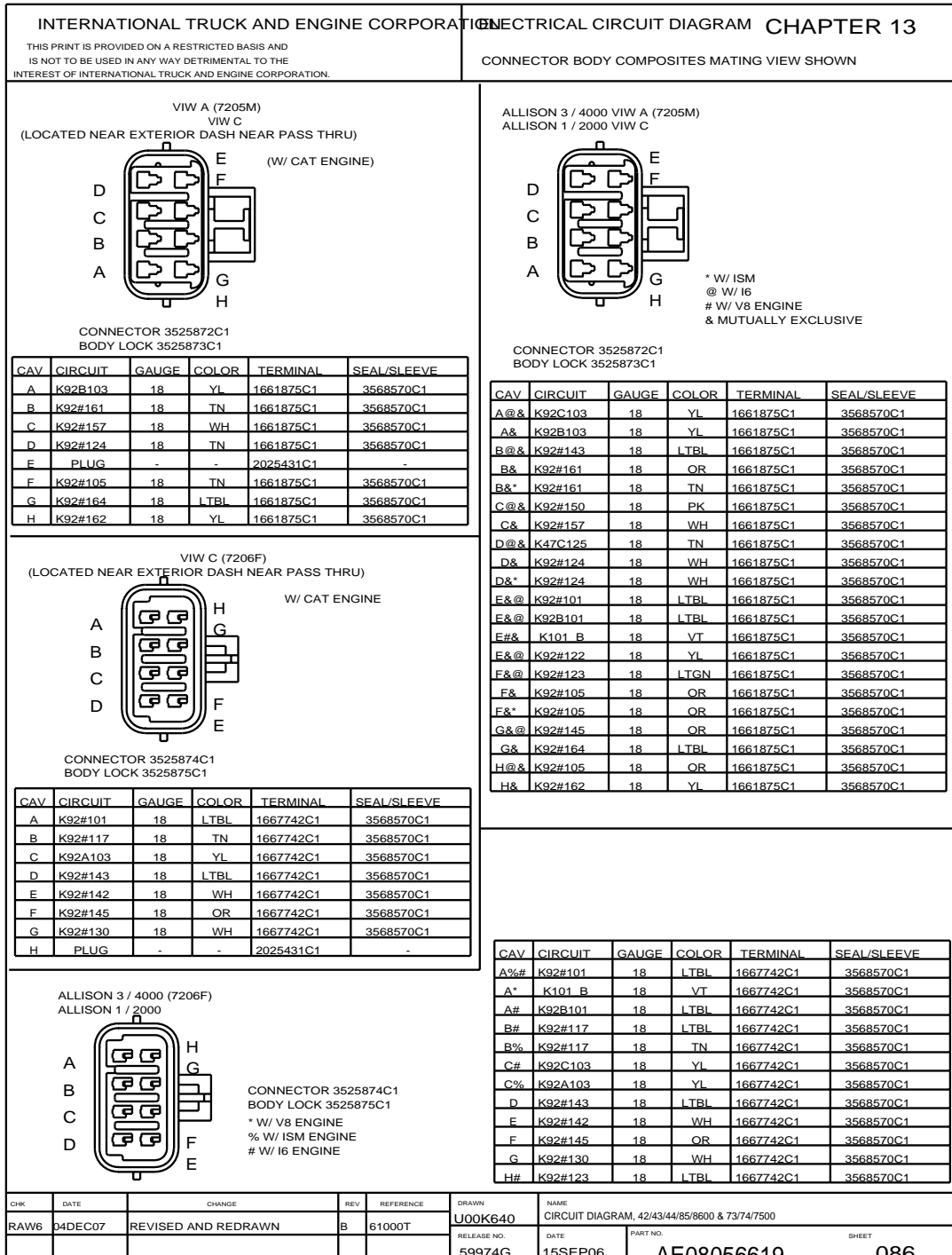
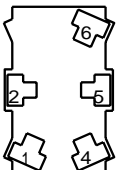


Figure 303 Connector Composites (7205M), (7206F)

13.92. CONNECTOR COMPOSITES (7210), (7211), (7212), (7213), P. 87

INTERNATIONAL TRUCK AND ENGINE CORPORATION		ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13	
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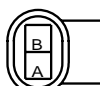
ABS-6 BLINK CODE SWITCH (7210)
(LOCATED IN INSTRUMENT PANEL LEFT SIDE)



CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	-	-	-	-
2	-	-	-	-
4	-	-	-	-
5	A94W	18	GY	1661224C1
6	A94-GB	18	WH	1661224C1

CONNECTOR 1661256C1

RETARDER TEMP SENSOR (7211)
(LOCATED AT TRANSMISSION)




CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A	K92#175	18	OR	2036586C1
B*	K92B158	18	LTGN	2036586C1
B*	K92#136	18	OR	2036586C1

CONNECTOR 3524377C1

* MUTUALLY EXCLUSIVE


STARTER SOLENOID (7212)
(LOCATED ON REAR OF TRANSMISSION)



CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A	K92#119	18	LTBL	2036586C1
B	K92C131	18	YL	2036586C1

CONNECTOR 3524378C1

RETARDER SOLENOID (7213)
(LOCATED AT TRANSMISSION)



CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A	K92#115	18	WH	2036586C1
B*	K92B131	18	YL	2036586C1
B#	K92D131	18	YL	2036586C1

CONNECTOR 2036583C1

* W/ ISM ENGINE

CONNECTOR 2036584C1 (ISM ENGINE)

W/ I6 & V8 ENGINE

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
RAW6	04DEC07	ADDED CONN 7212	B	61000T	U00K640	CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
					RELEASE NO.	DATE
					59974G	15SEP06
						PART NO.
						AE08056619
						SHEET
						087

Figure 304 Connector Composites (7210), (7211), (7212), (7213)

13.93. CONNECTOR COMPOSITES (7250), (7251), (7350), P. 88

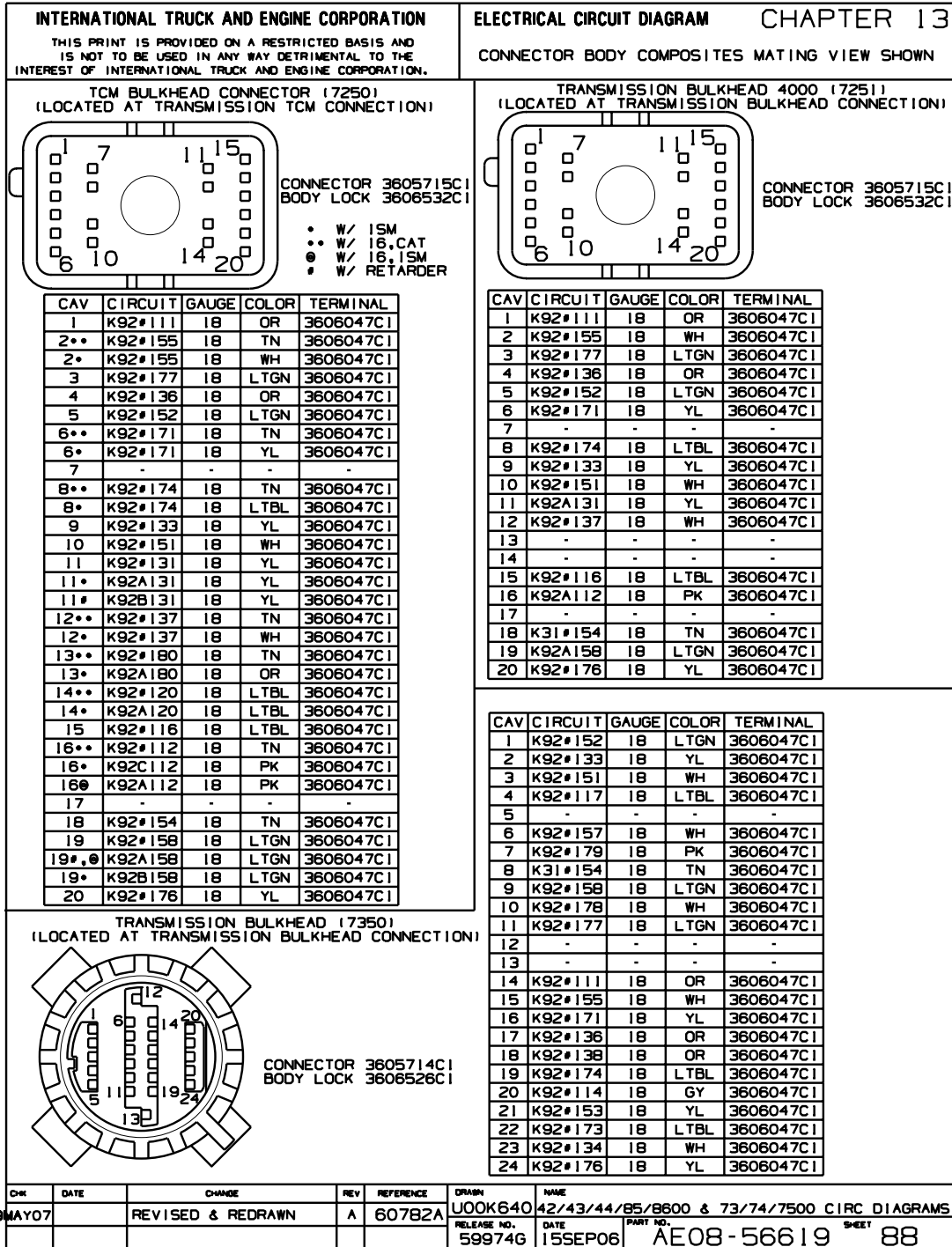


Figure 305 Connector Composites (7250), (7251), (7350)

13.94. CONNECTOR COMPOSITES (7500), (7502M), (7600), (7601), (7601M), P. 89

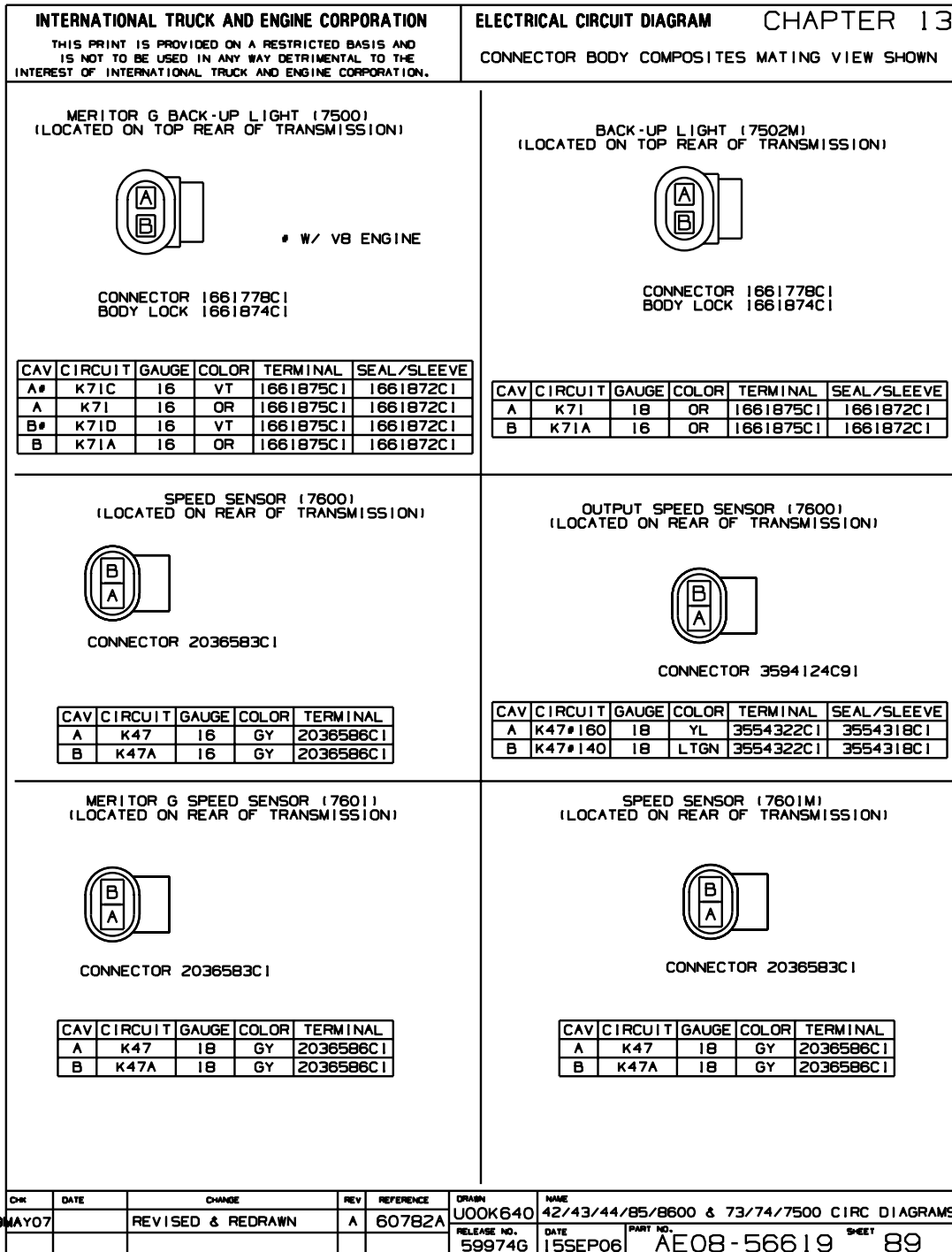


Figure 306 Connector Composites (7500), (7502M), (7600), (7601), (7601M)

13.95. CONNECTOR COMPOSITES (7602), (7603), (7604), (7605), (7607), (7608), (7609), (7611), P. 90


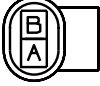
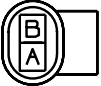



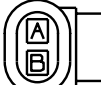
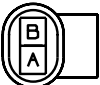
INTERNATIONAL TRUCK AND ENGINE CORPORATION THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF INTERNATIONAL TRUCK AND ENGINE CORPORATION.				ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13 CONNECTOR BODY COMPOSITES MATING VIEW SHOWN																																										
MANUAL SPEED SENSOR (7602) (LOCATED ON REAR OF TRANSMISSION)  CONNECTOR 2036583C1				ALLISON ENGINE SPEED SENSOR (7603) (LOCATED ON RIGHT OF TRANSMISSION)  CONNECTOR 3610533C1 BODY LOCK 3610532C1																																										
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ENGINE SPEED SENSOR (7604) (LOCATED ON RIGHT OF TRANSMISSION)  CONNECTOR 3594124C91				ALLISON O/P SPEED SENSOR (7605) (LOCATED ON REAR OF TRANSMISSION)  CONNECTOR 3610533C1 BODY LOCK 3610532C1																																										
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SPEED SENSOR (7609) (LOCATED ON REAR OF TRANSMISSION)  CONNECTOR 2036583C1				SPEED SENSOR (7611) (LOCATED ON REAR OF TRANSMISSION)  CONNECTOR 1661778C1 BODY LOCK 1661874C1																																										
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DR	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME	42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS PART NO. AE08-56619 SHEET 90																																							
01MAY07		REVISED & REDRAWN	A	607B2A	U00K640		59974G	15SEP06																																						

Figure 307 Connector Composites (7602), (7603), (7604), (7605), (7607), (7608), (7609), (7611)

13.96. CONNECTOR COMPOSITES (7615), (7700), (7702), (7703), (7801), P. 91


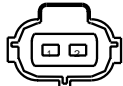

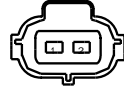

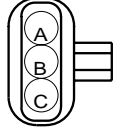
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Figure 308 Connector Composites (7615), (7700), (7702), (7703), (7801)

13.97. CONNECTOR COMPOSITES (7801M), (7802), P. 92

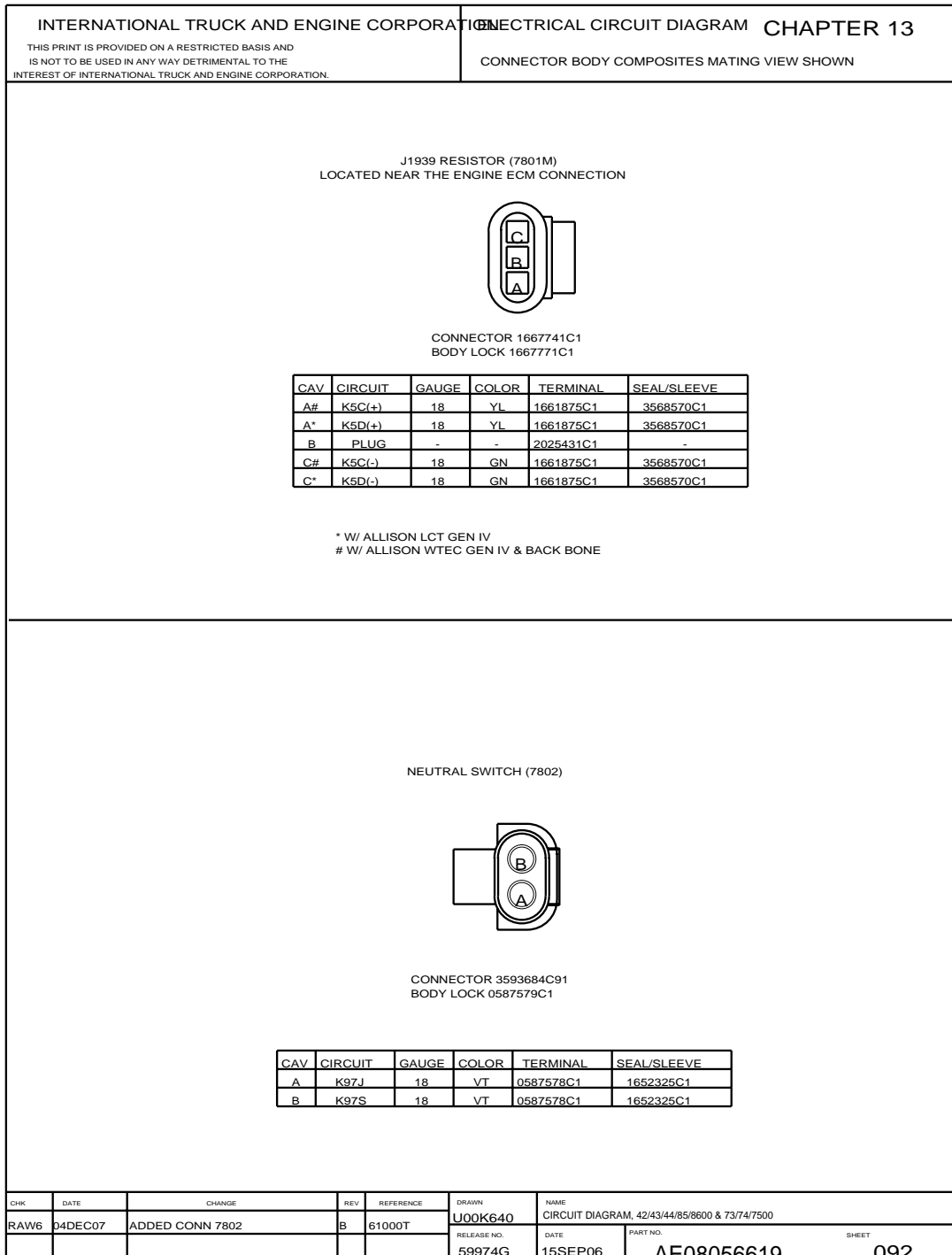


Figure 309 Connector Composites (7801M), (7802)

13.98. CONNECTOR COMPOSITES (7905), (7909), P. 93

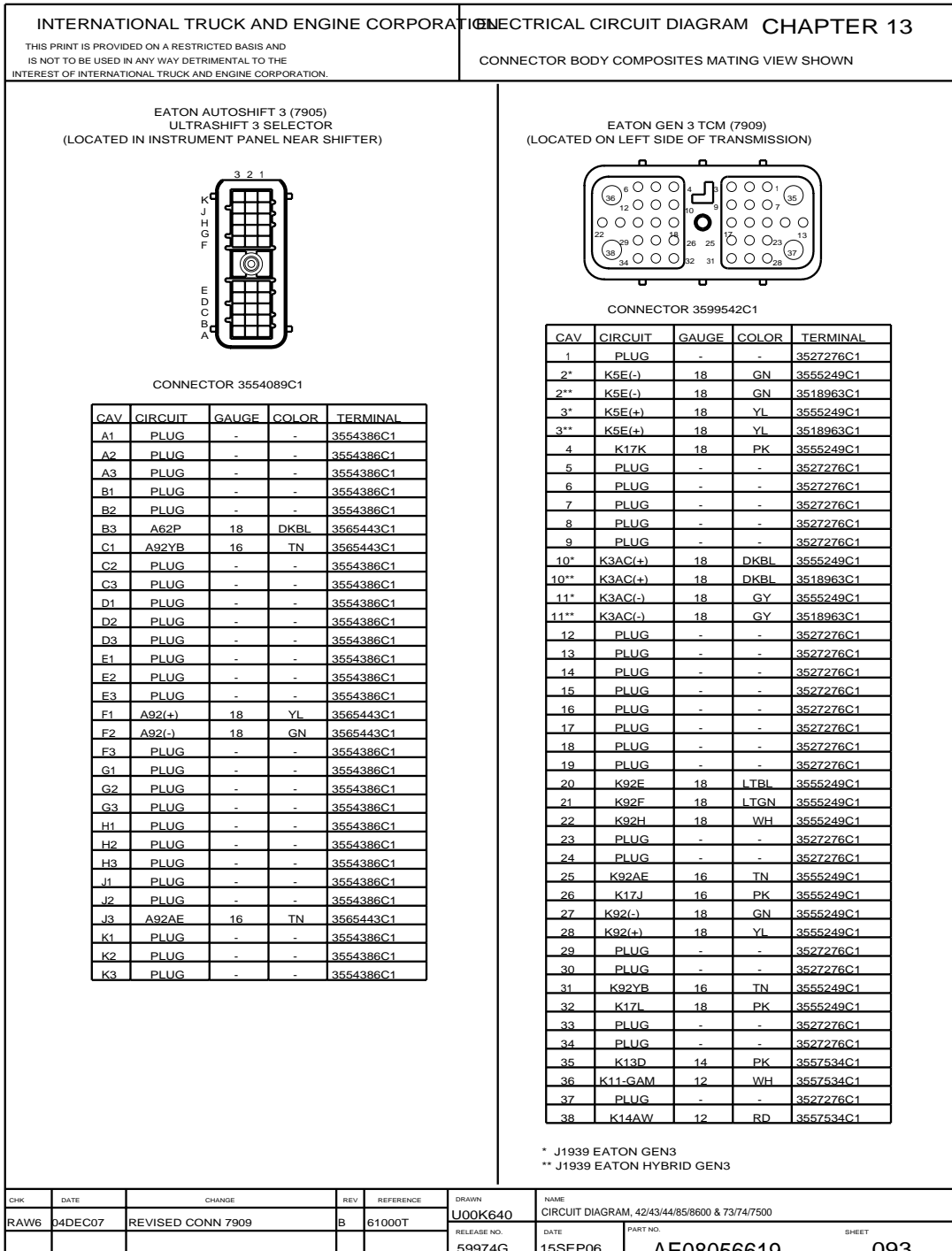


Figure 310 Connector Composites (7905), (7909)

13.99. CONNECTOR COMPOSITES (7910), (7911), P. 93A

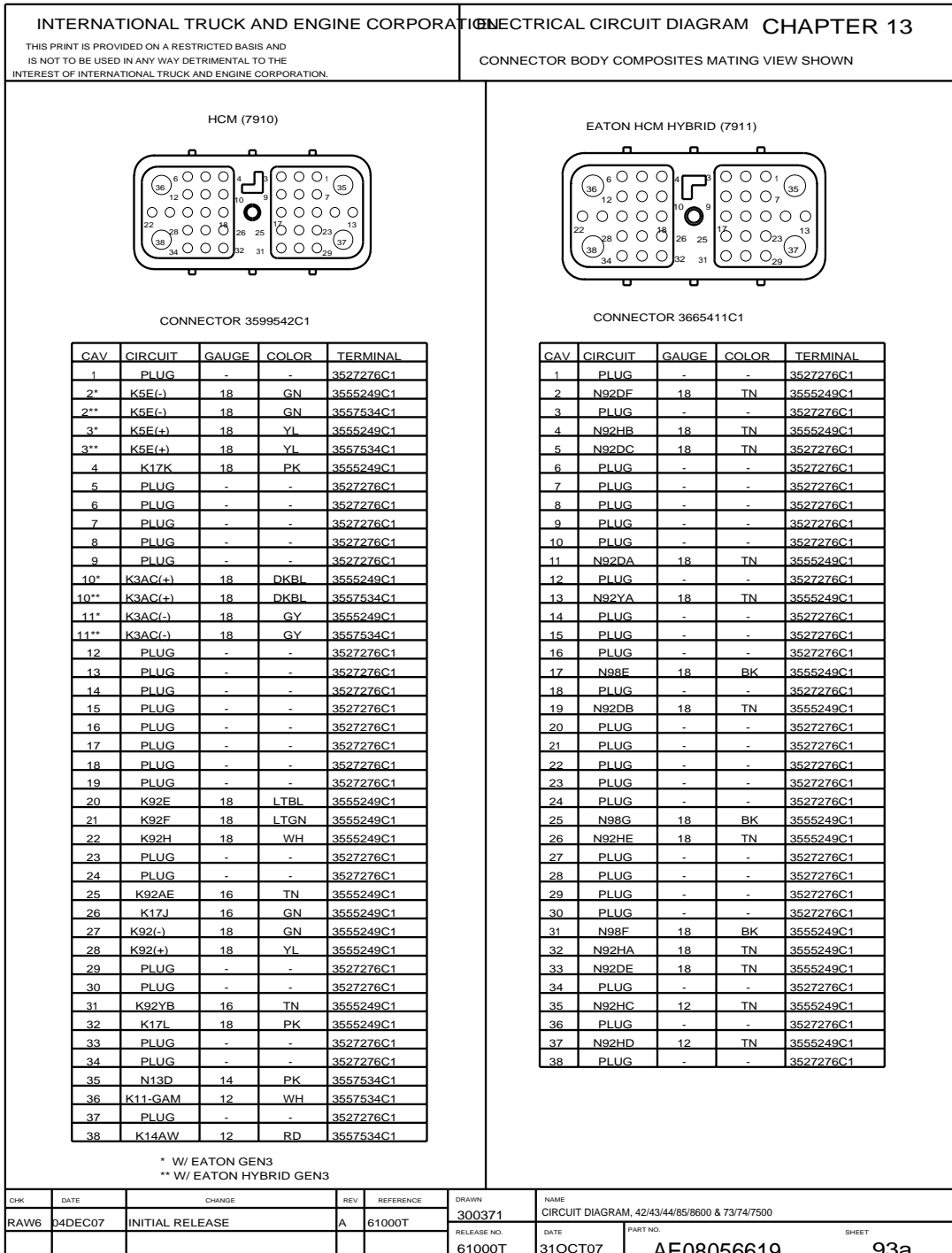


Figure 311 Connector Composites (7910), (7911)

13.100. CONNECTOR COMPOSITES (8000), (8001), (8102), (8103), (8150), (8151), P. 94

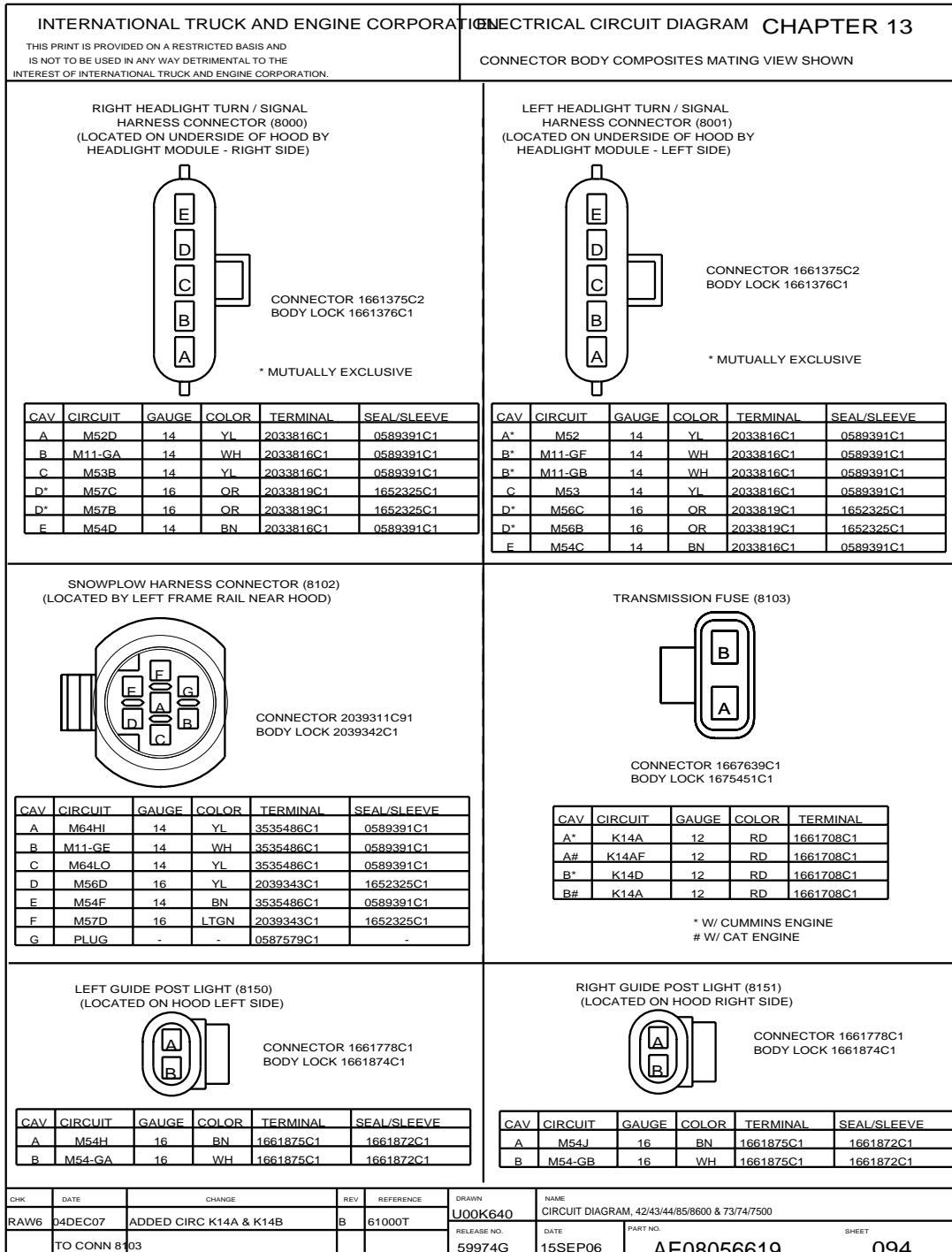


Figure 312 Connector Composites (8000), (8001), (8102), (8103), (8150), (8151)

13.101. CONNECTOR COMPOSITES (8200), (8201), (8301), (8303), (8305), (8310), (8311), P. 95

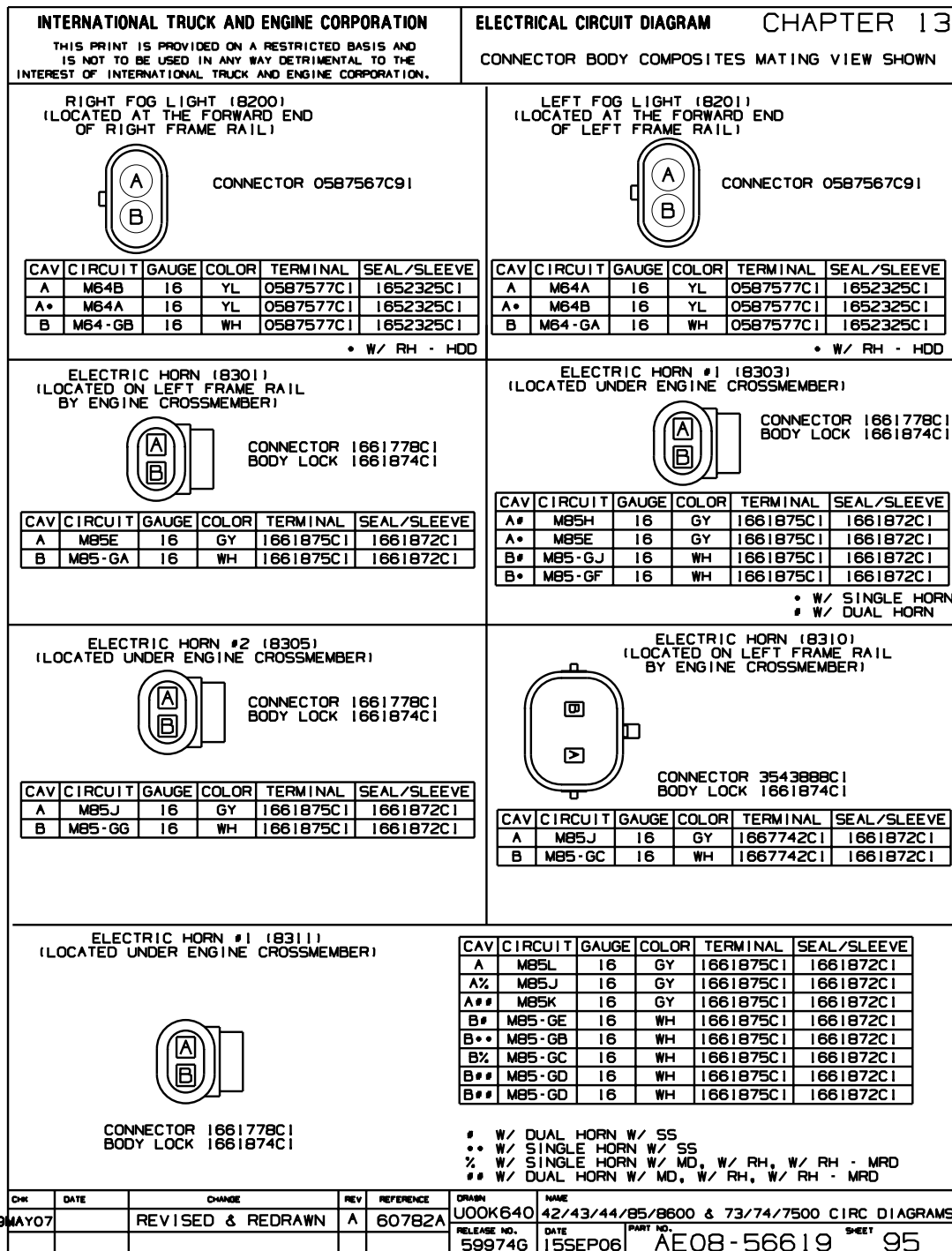


Figure 313 Connector Composites (8200), (8201), (8301), (8303), (8305), (8310), (8311)

13.102. CONNECTOR COMPOSITES (8312), (8500), (8501), (8502), (8502A), (8503), (8503A), P. 96

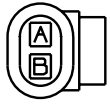
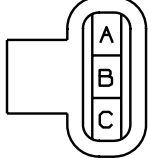
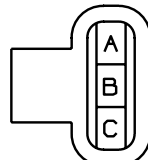




INTERNATIONAL TRUCK AND ENGINE CORPORATION <small>THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF INTERNATIONAL TRUCK AND ENGINE CORPORATION.</small>				ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13 CONNECTOR BODY COMPOSITES MATING VIEW SHOWN																																																	
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Figure 314 Connector Composites (8312), (8500), (8501), (8502), (8502A), (8503), (8503A)

13.103. CONNECTOR COMPOSITES (8505), (8506), (8507), (8508), (8509), (8601), (8602), P. 97

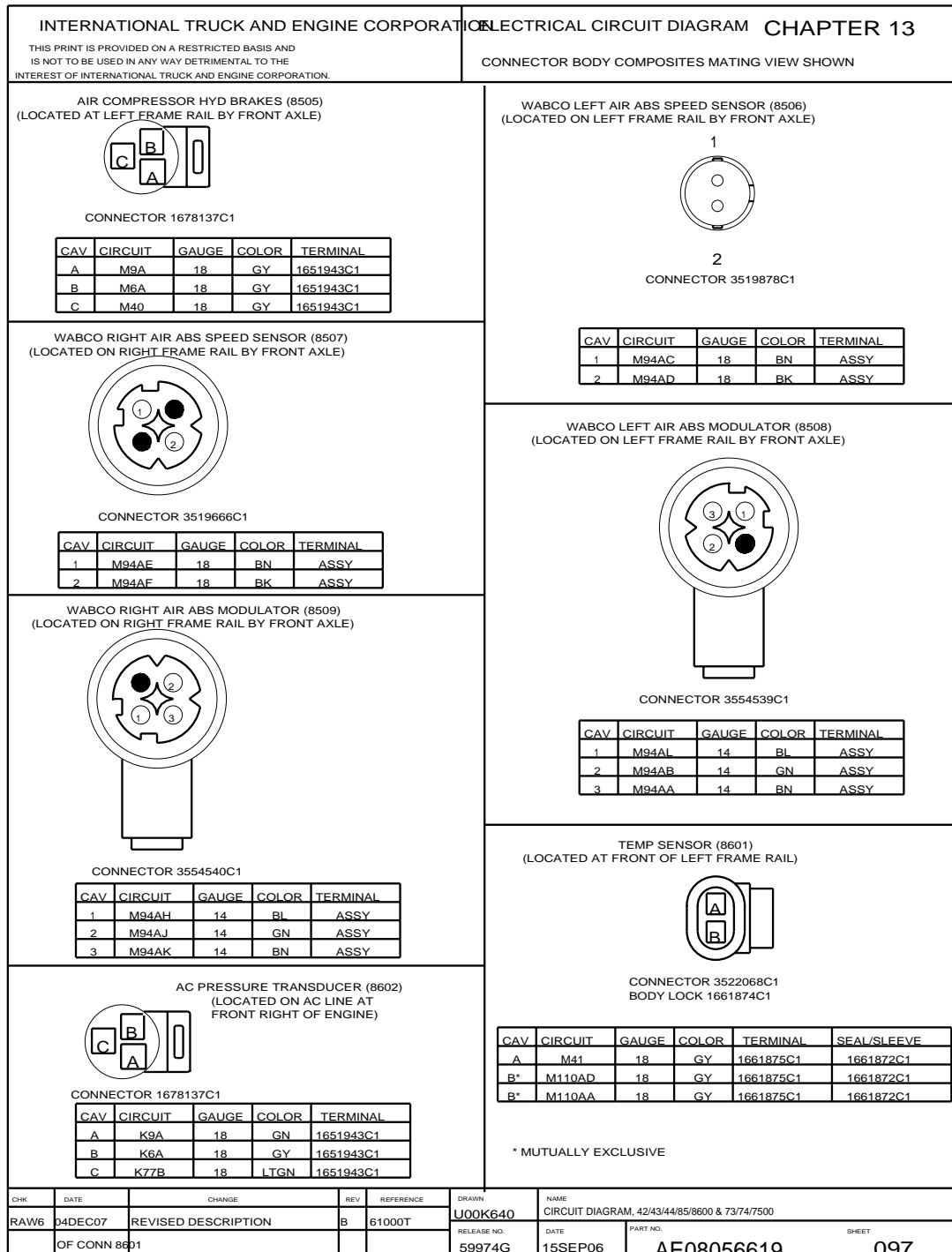


Figure 315 Connector Composites (8505), (8506), (8507), (8508), (8509), (8601), (8602)

13.104. CONNECTOR COMPOSITES (8700), (8701), (8750), P. 97A

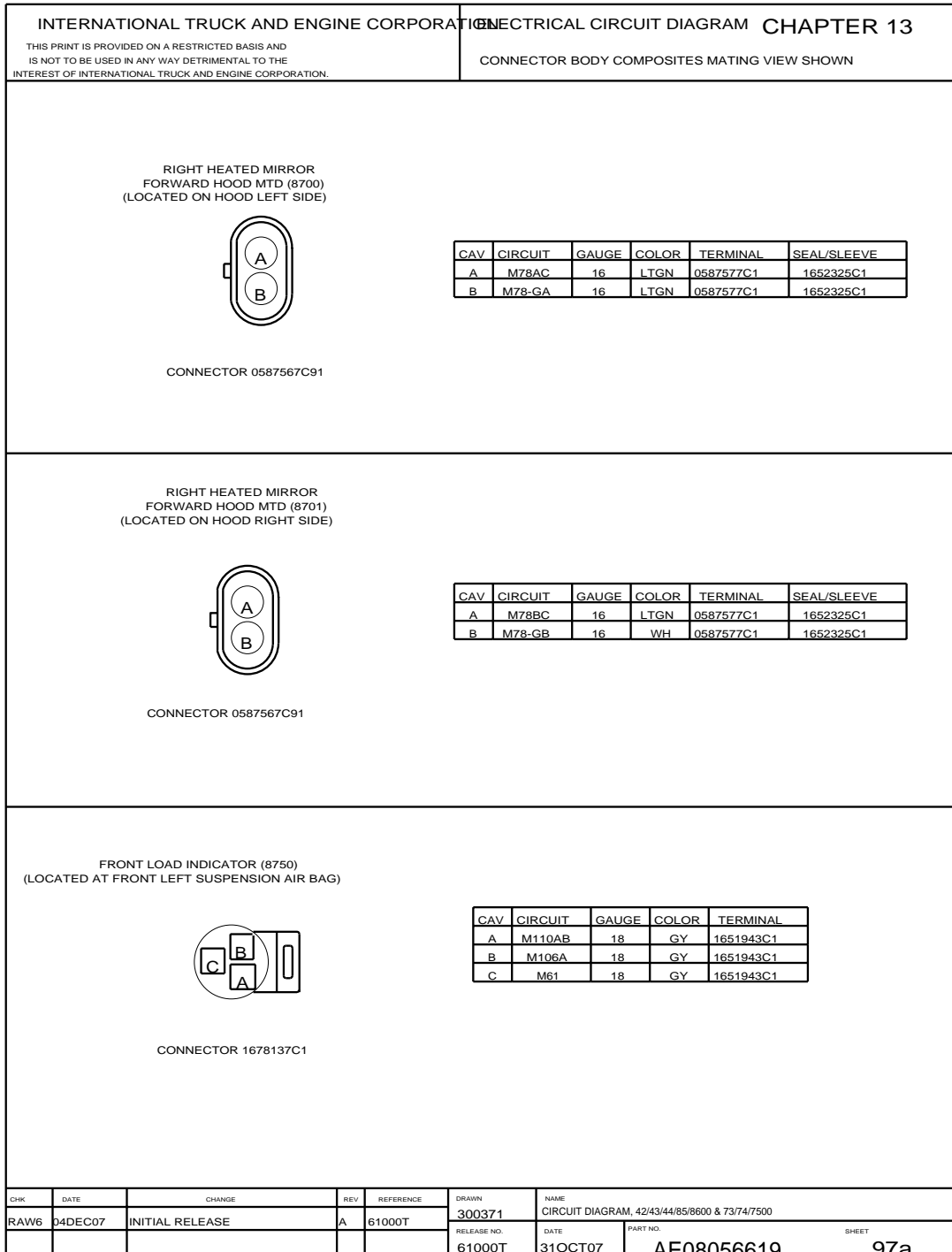


Figure 316 Connector Composites (8700), (8701), (8750)

13.105. CONNECTOR COMPOSITES (8800), (8801), (8802), (8803), P. 98

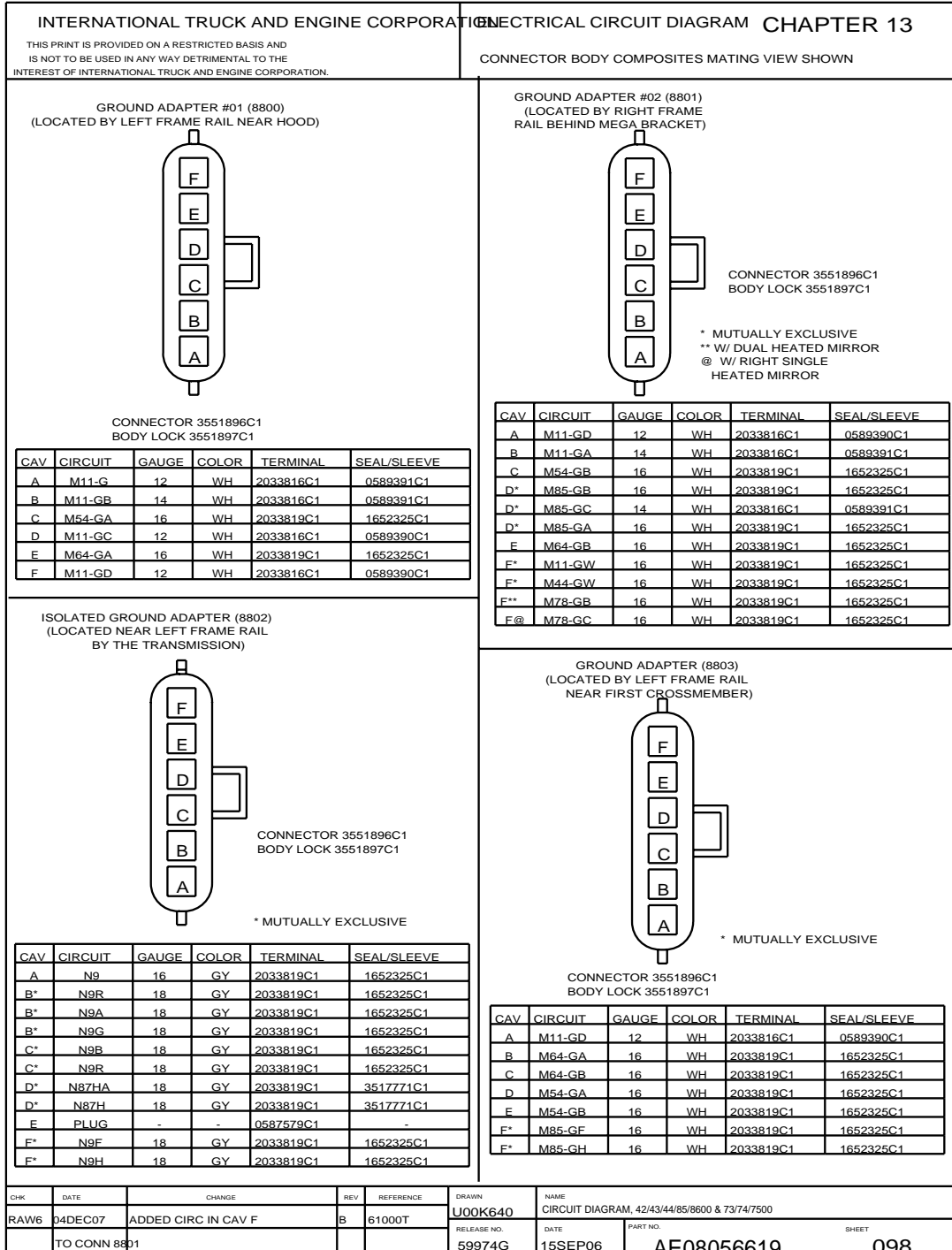


Figure 317 Connector Composites (8800), (8801), (8802), (8803)

13.106. CONNECTOR COMPOSITES (8803), (8805), (8806), P. 99

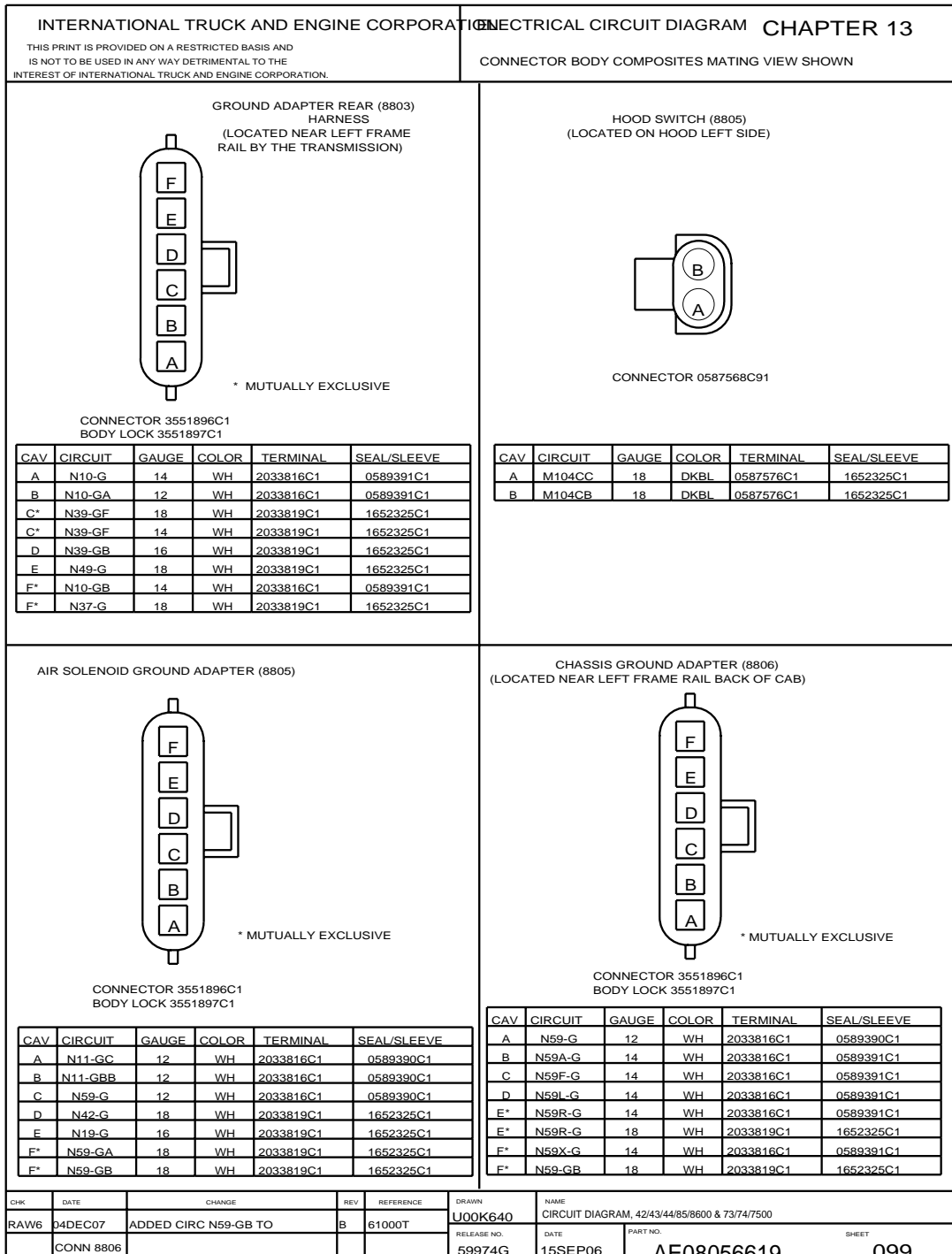


Figure 318 Connector Composites (8803), (8805), (8806)

13.107. CONNECTOR COMPOSITES (8807), (8809), (8900), (9001), P. 100

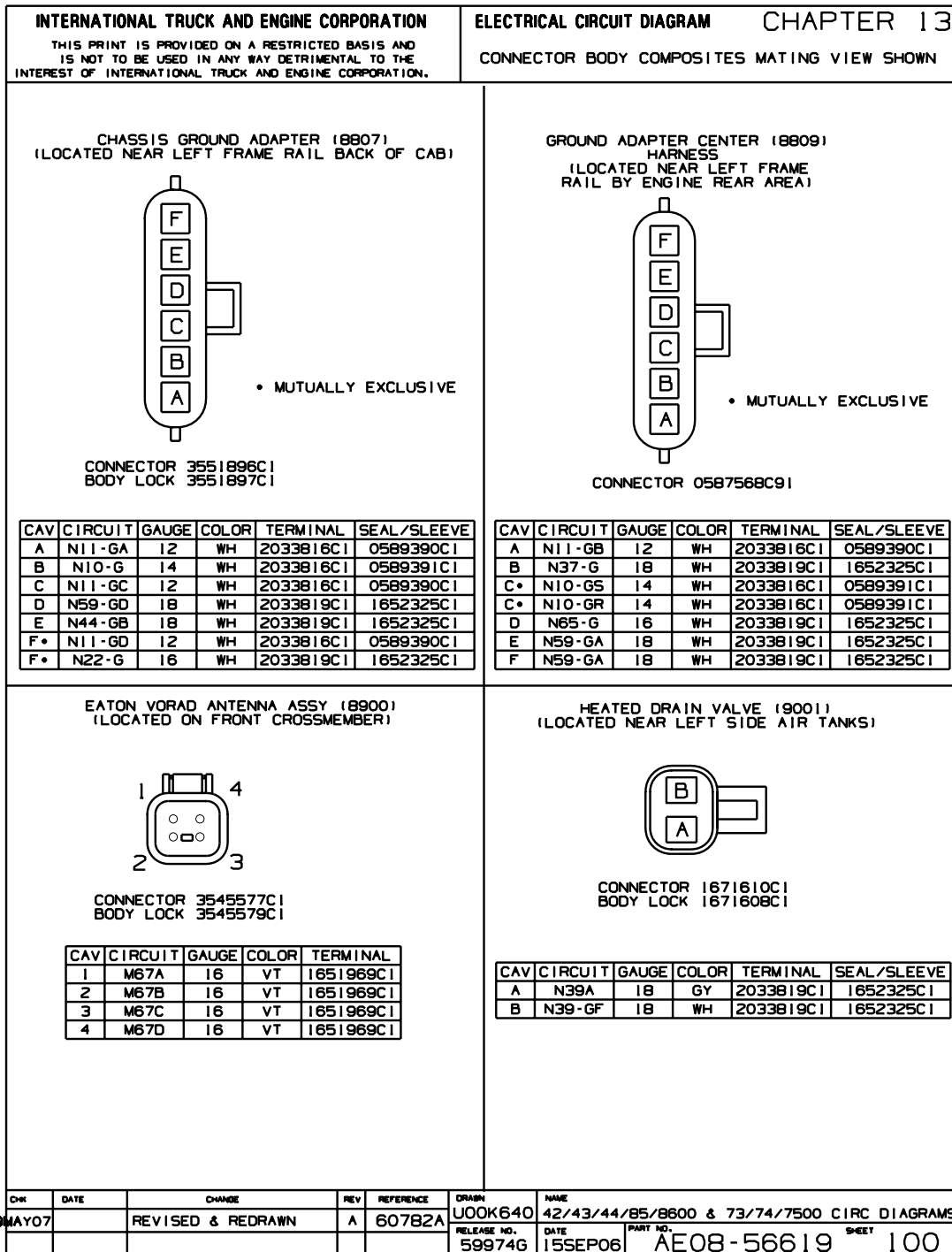


Figure 319 Connector Composites (8807), (8809), (8900), (9001)

13.108. CONNECTOR COMPOSITES (9100), (9101), (9102), (9103), (9108), (9255), (9260), (9261), (9280), P. 101

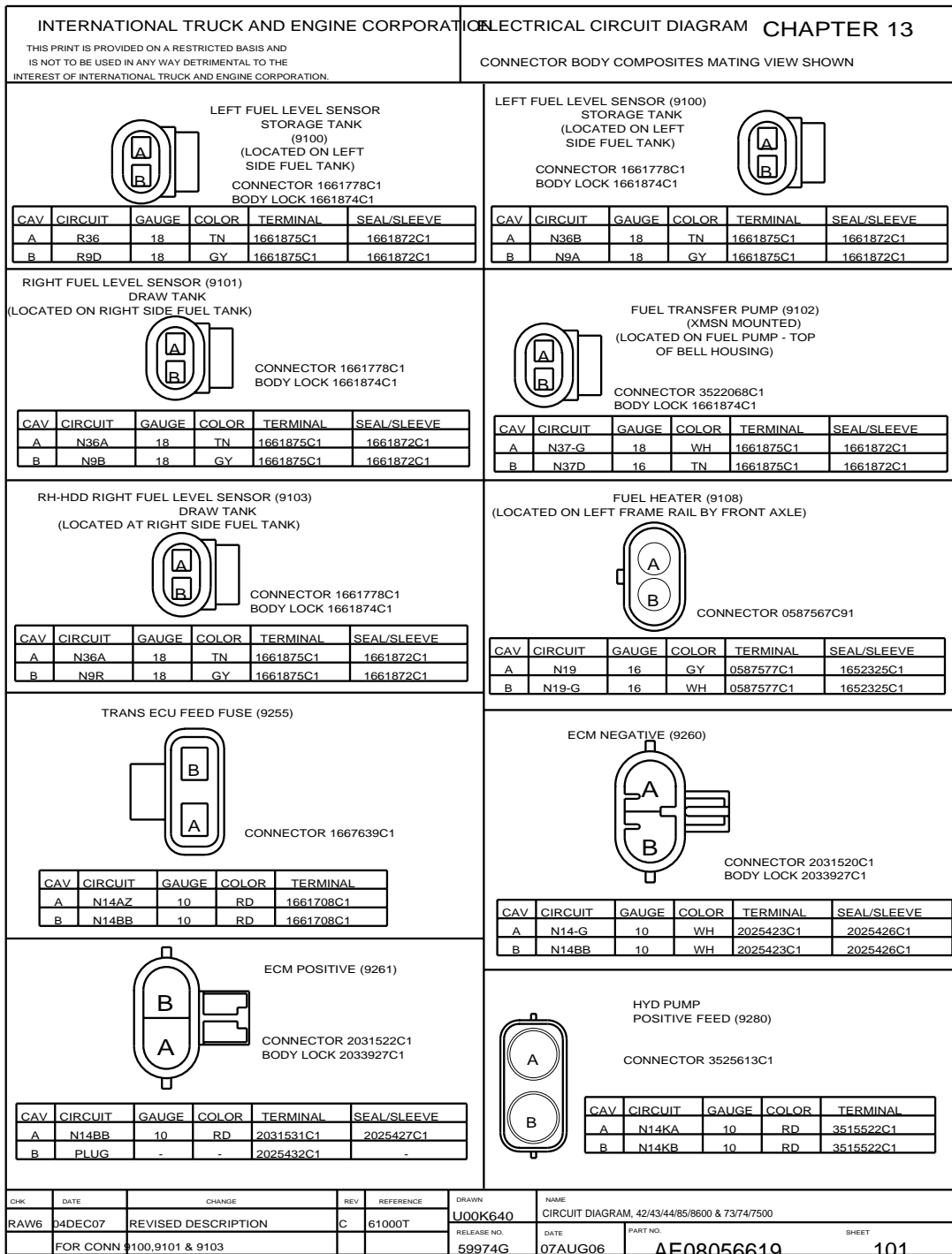


Figure 320 Connector Composites (9100), (9101), (9102), (9103), (9108), (9255), (9260), (9261), (9280)

13.109. CONNECTOR COMPOSITES (9300), (9303), P. 102

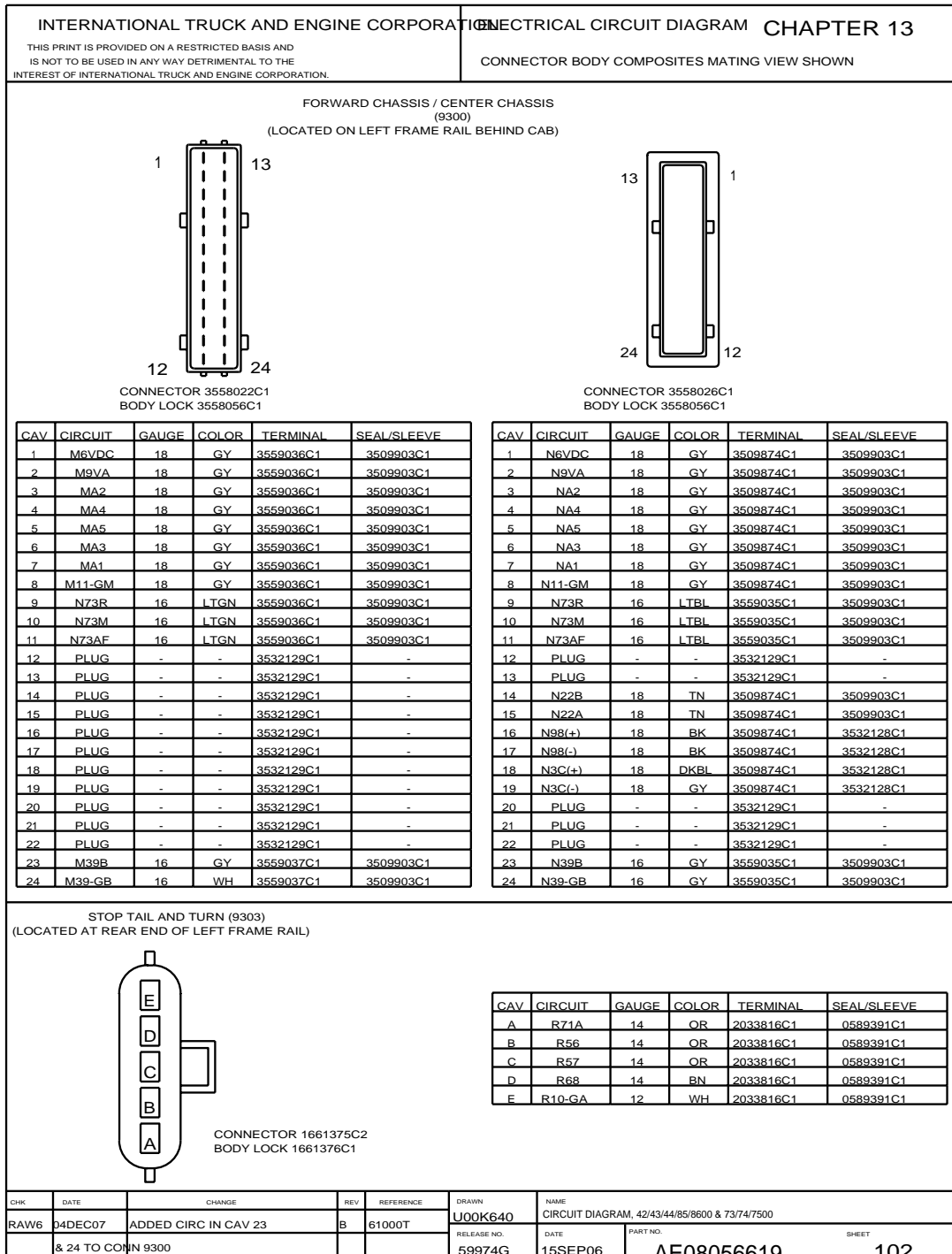


Figure 321 Connector Composites (9300), (9303)

13.110. CONNECTOR COMPOSITES (9310), (9311), (9315), (9316), (9501), (9502), (9503), (9504), P. 103

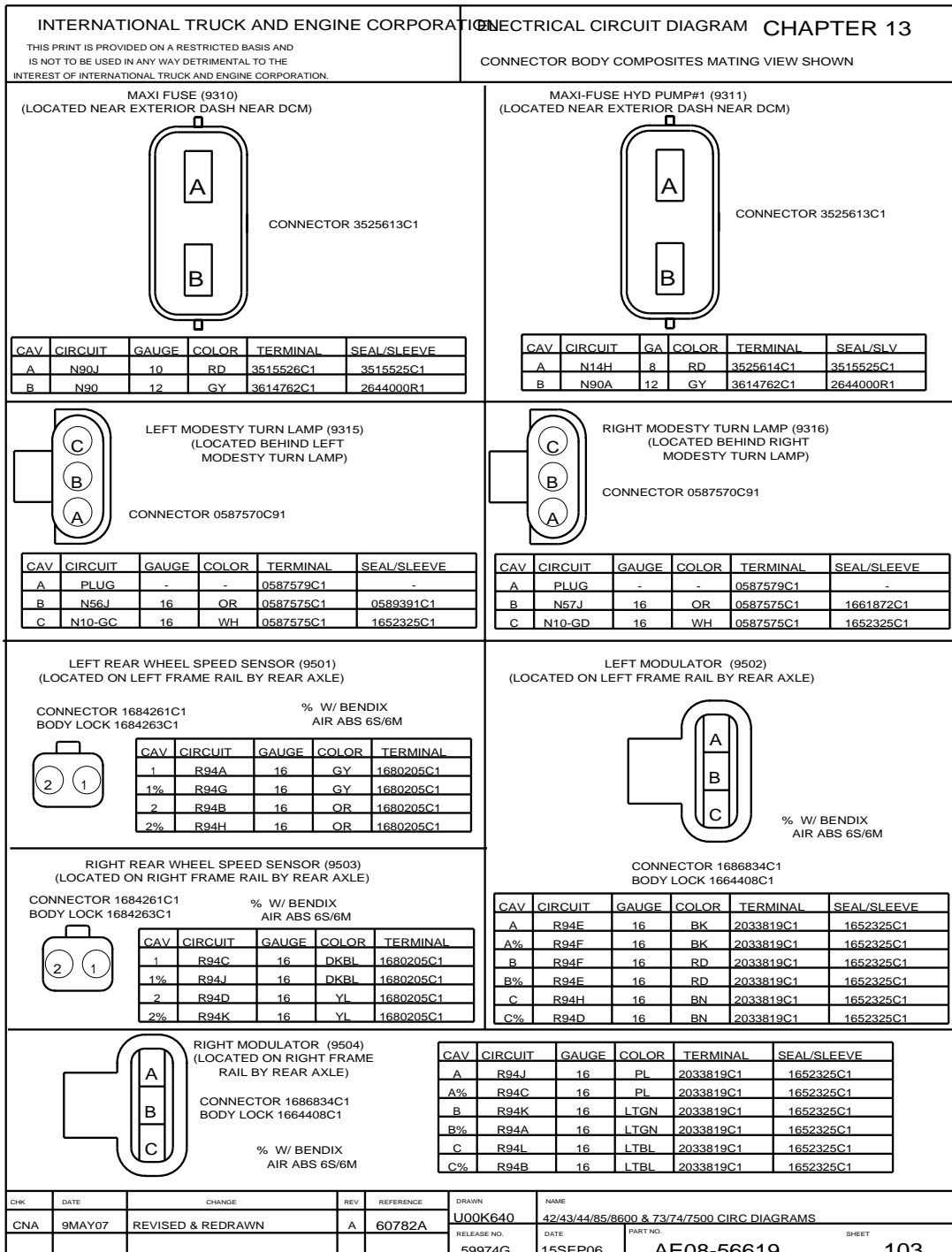


Figure 322 Connector Composites (9310), (9311), (9315), (9316), (9501), (9502), (9503), (9504)

**13.111. CONNECTOR COMPOSITES (9506), (9510), (9510A), (9510B), (9510F), (9510M),
 P. 104**

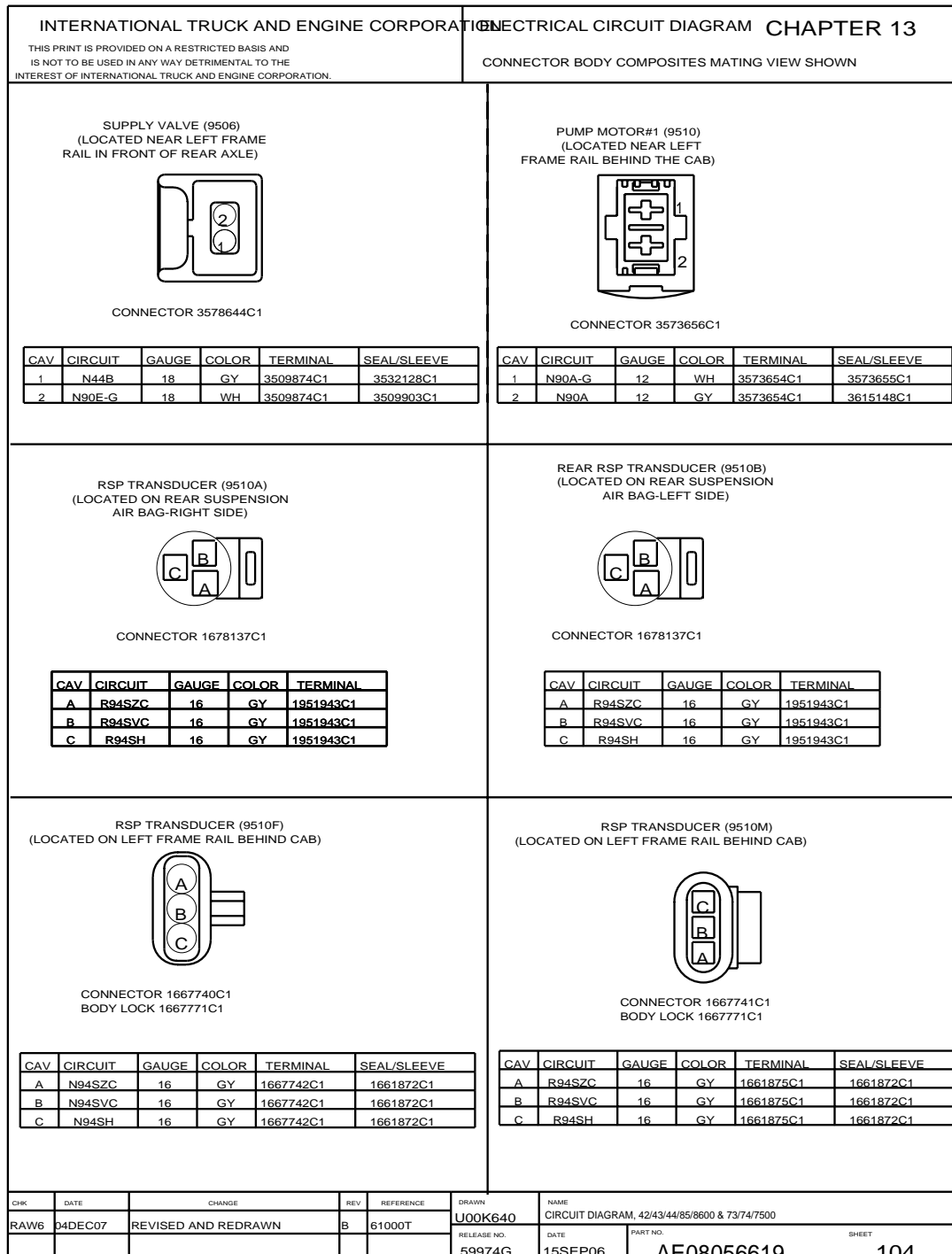


Figure 323 Connector Composites (9506), (9510), (9510A), (9510B), (9510F), (9510M)

13.112. CONNECTOR COMPOSITE (9511), P. 105

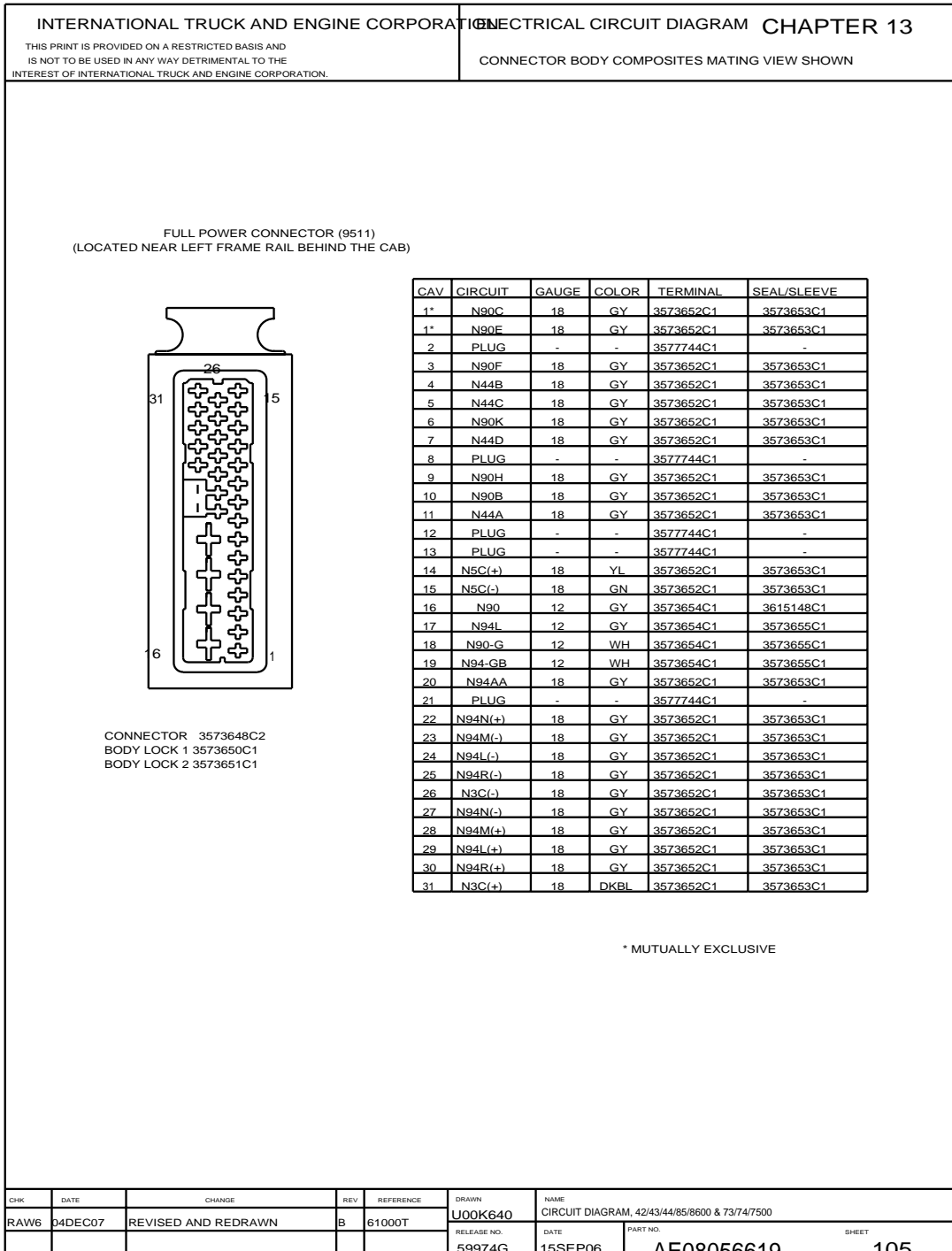


Figure 324 Connector Composite (9511)

13.113. CONNECTOR COMPOSITES (9512), (9513), (9514), P. 106

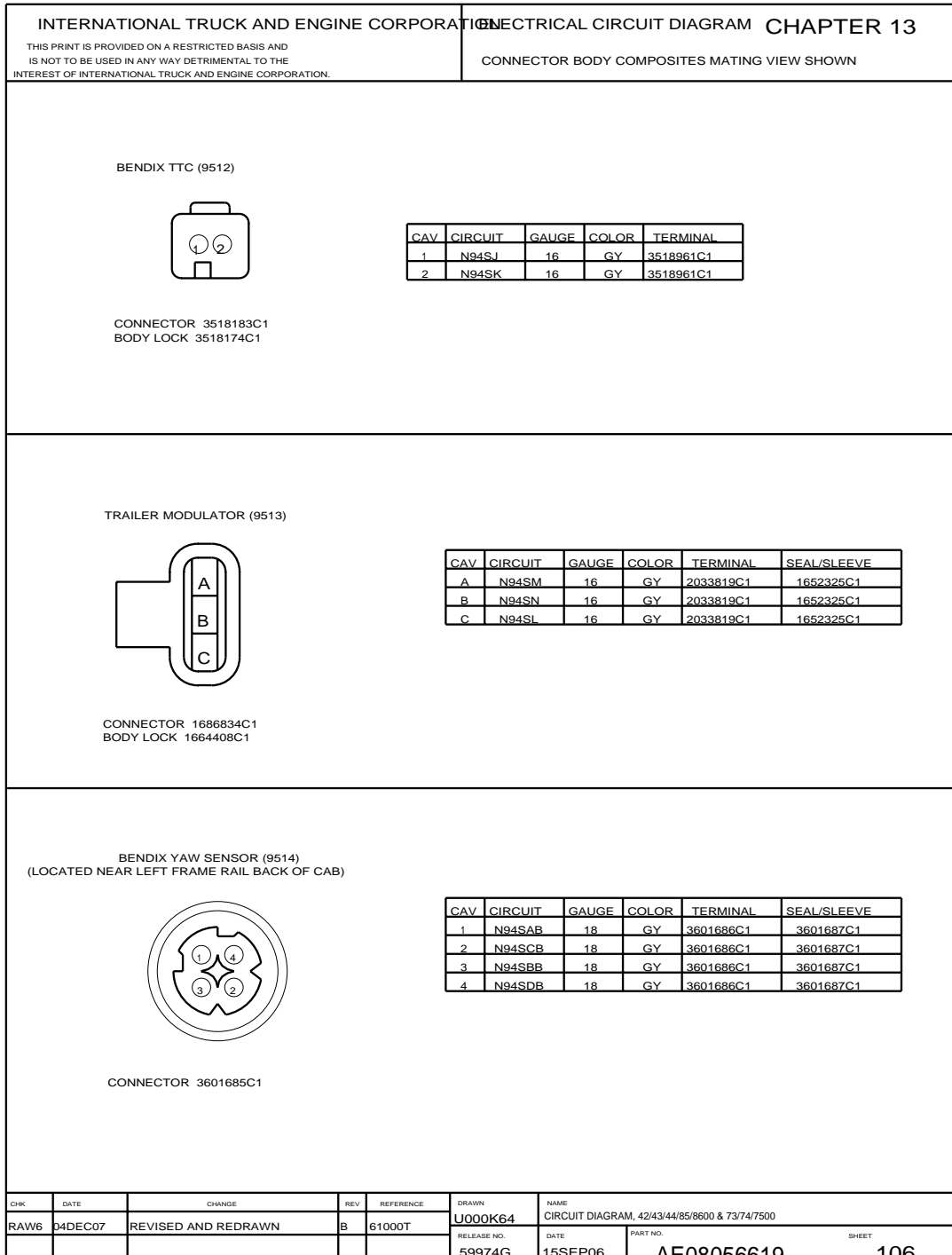


Figure 325 Connector Composites (9512), (9513), (9514)

13.114. CONNECTOR COMPOSITES (9516), (9517), (9518), (9519), (9520), (9521), (9522), (9523), (9524), P. 107

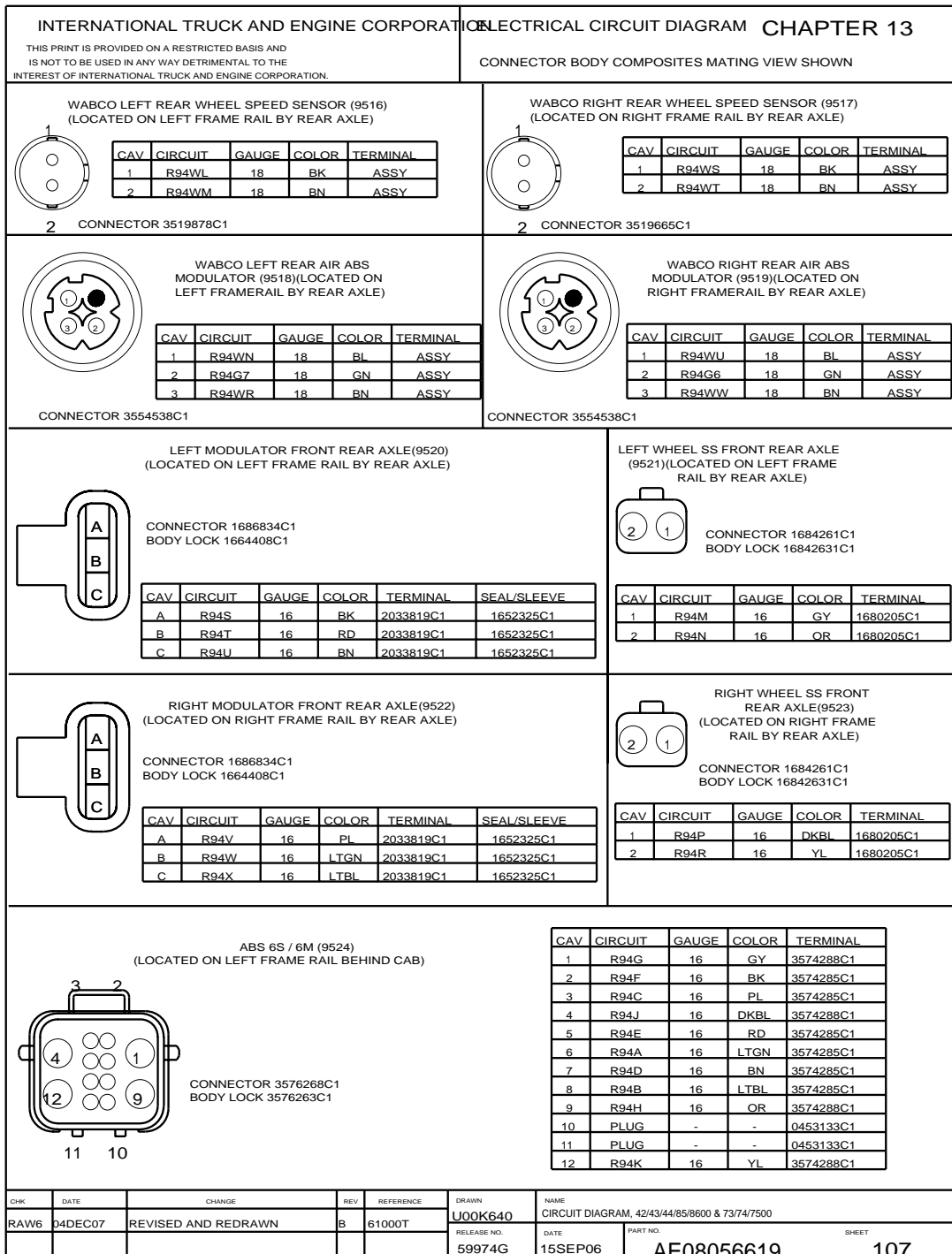


Figure 326 Connector Composites (9516), (9517), (9518), (9519), (9520), (9521), (9522), (9523), (9524)

13.115. CONNECTOR COMPOSITES (9524), (9530), P. 108

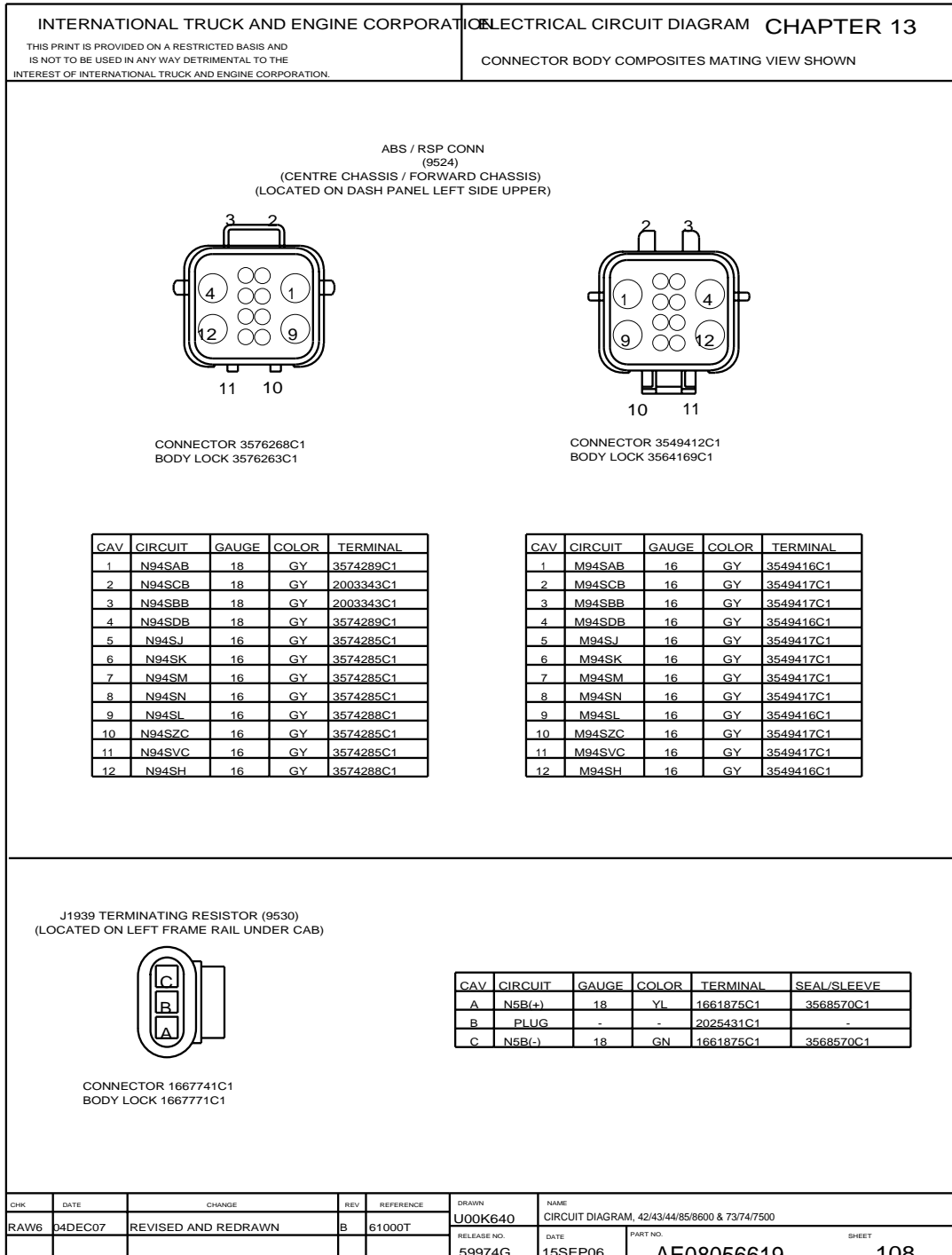


Figure 327 Connector Composites (9524), (9530)

13.116. CONNECTOR COMPOSITES (9715), (9716), P. 109

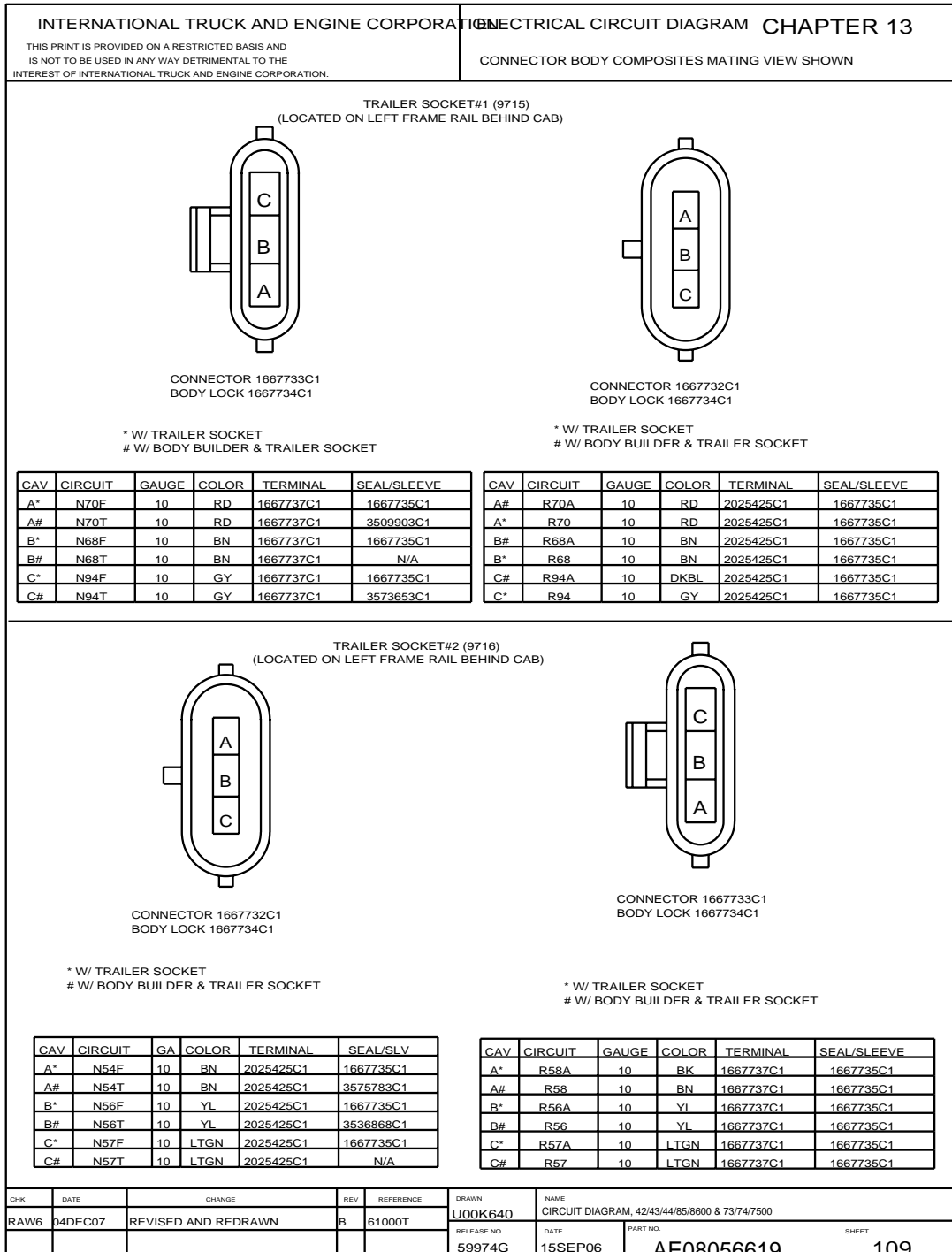
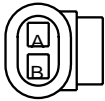


Figure 328 Connector Composites (9715), (9716)

13.117. CONNECTOR COMPOSITES (9718), (9719M), (9720), (9736), (9737), P. 110

INTERNATIONAL TRUCK AND ENGINE CORPORATION				ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13	
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 BODY COMPOSITES MATING VIEW SHOWN	

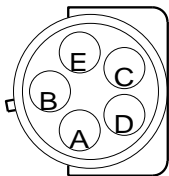
WORK LIGHT - BOC (9718)
(LOCATED ON LEFT FRAME RAIL AT BACK OF DAYCAB)



CONNECTOR 1661778C1
BODY LOCK 1661874C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	N65	16	OR	1661875C1	1661872C1
B	N65-G	16	WH	1661875C1	1661872C1

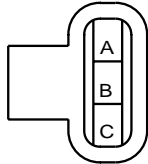
BLACKOUT TRUCK TRAILER LIGHTING (9719M)
(LOCATED AT MAIN CHASSIS TO REAR CHASSIS INTERCONNECT)



CONNECTOR 1673751C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	R54H	12	BN	1673748C1	0589390C1
B	R54L	12	TN	1673748C1	0589390C1
C	R70L	12	RD	1673748C1	0589390C1
D	R70H	12	OR	1673748C1	0589390C1
E	PLUG	-	-	0587579C1	-

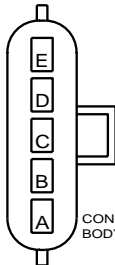
BLACKOUT LIGHTING (9720)
(LOCATED AT REAR END OF LEFT FRAME RAIL)



CONNECTOR 1686834C1
BODY LOCK 1664408C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	R70	18	OR	2033819C1	1652325C1
B	R68	18	BN	2033819C1	1652325C1
C	PLUG	-	-	0587579C1	-

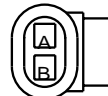
AIR SOLENOID 4 PACK (9736)
(LOCATED INSIDE LEFT FRAME RAIL UNDER CAB)



CONNECTOR 1661375C2
BODY LOCK 1661376C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	N59A-G	14	WH	2033816C1	0589391C1
B	N59B	18	GY	2033819C1	1652325C1
C	N59C	18	GY	2033819C1	1652325C1
D	N59D	18	GY	2033819C1	1652325C1
E	N59E	18	GY	2033819C1	1652325C1

AIR HORN (9737)
(LOCATED INSIDE LEFT FRAME RAIL UNDER CAB)



CONNECTOR 3522068C1
BODY LOCK 1661874C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	N59B	18	GY	1661875C1	1661872C1
B	N59A-G	16	WH	1661875C1	1661872C1

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
RAW6	04DEC07	REVISED AND REDRAWN	B	61000T	U00K640	CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
					RELEASE NO.	DATE
					59974G	15SEP06
						PART NO.
						AE08056619
						SHEET
						110

Figure 329 Connector Composites (9718), (9719M), (9720), (9736), (9737)

13.118. CONNECTOR COMPOSITE (9740), P. 111

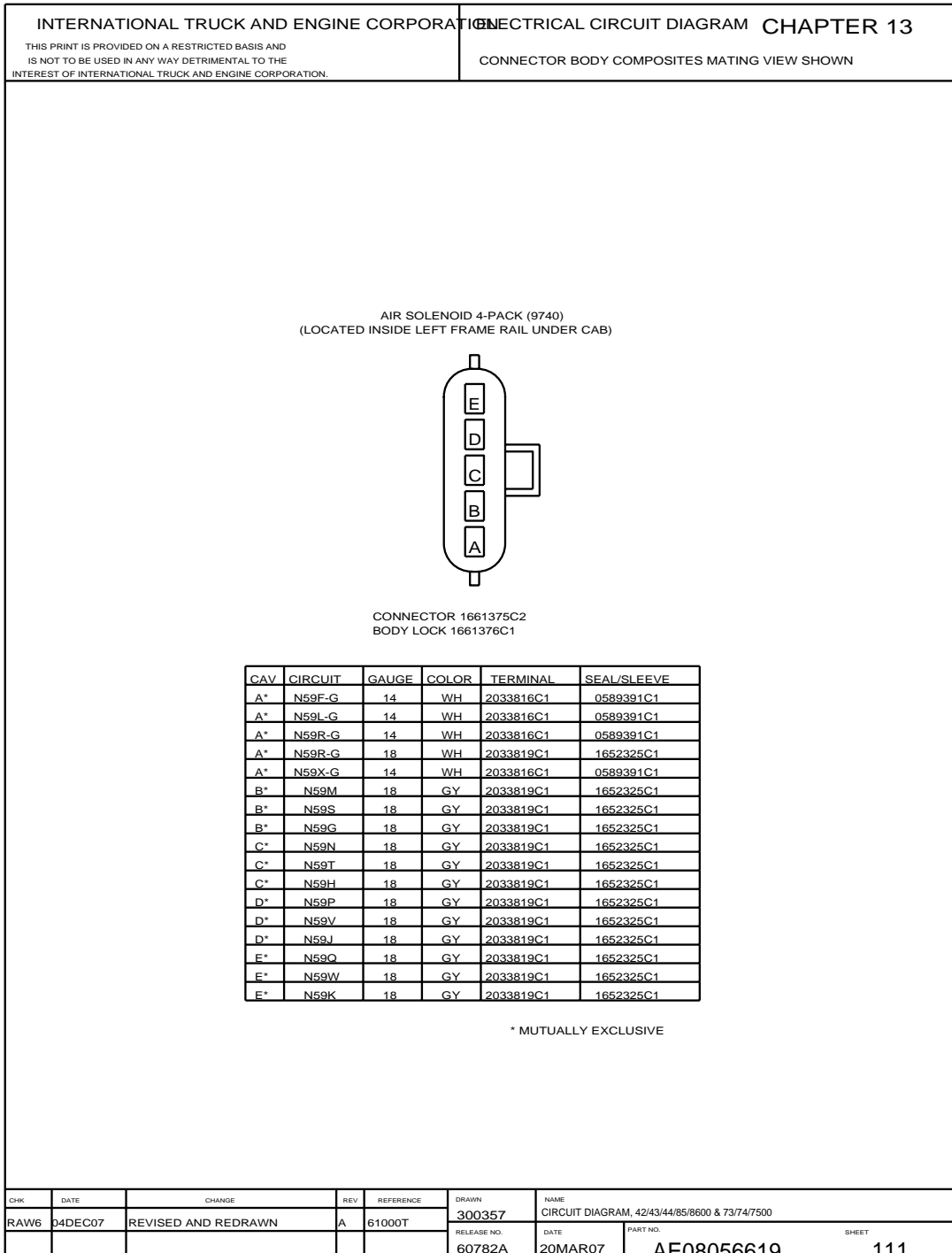


Figure 330 Connector Composite (9740)

13.119. CONNECTOR COMPOSITES (9740), (9745), (9746), (9747), (9748), P. 112

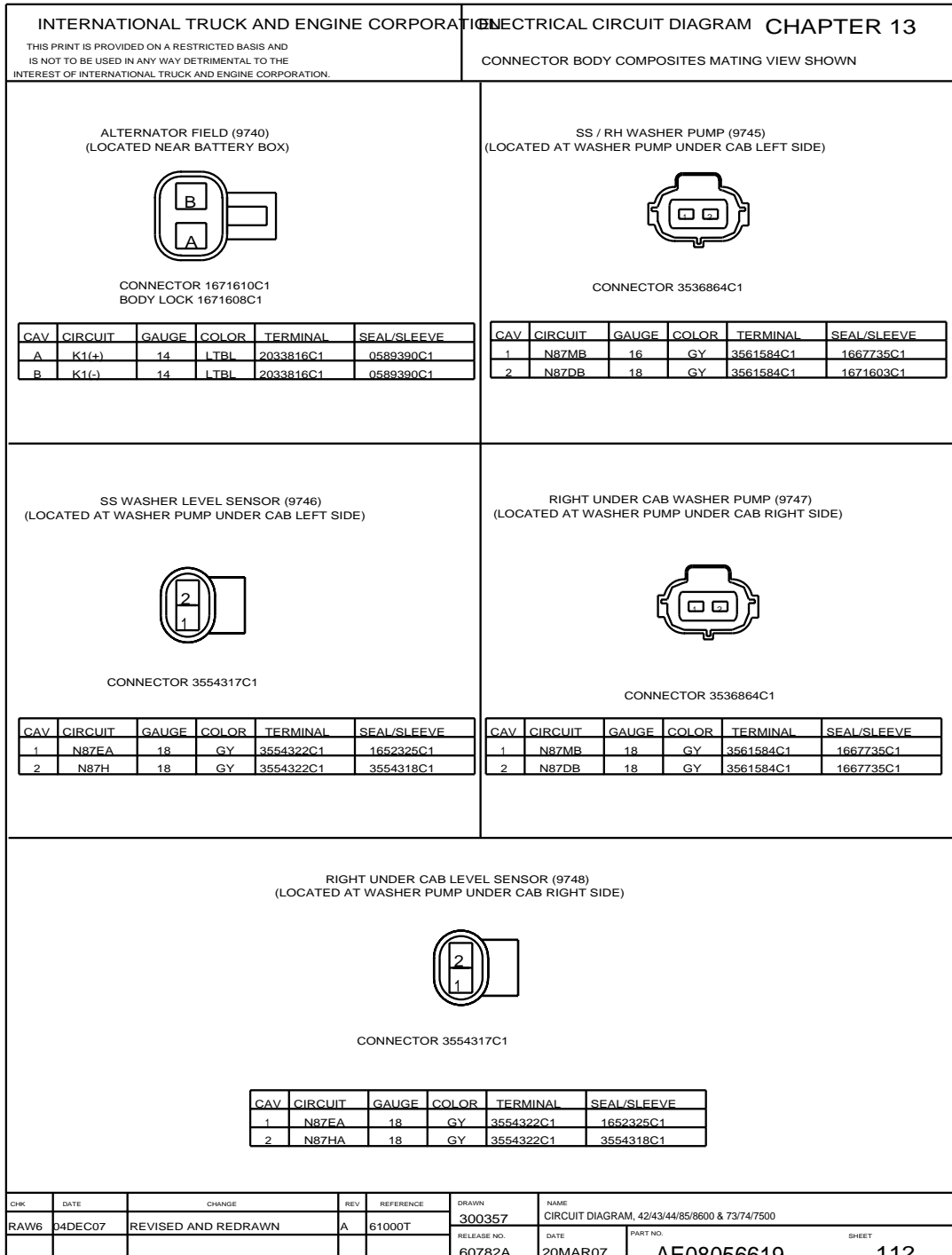


Figure 331 Connector Composites (9740), (9745), (9746), (9747), (9748)

13.120. CONNECTOR COMPOSITES (9751), (9752), (9753), (9753A), (9754), P. 113

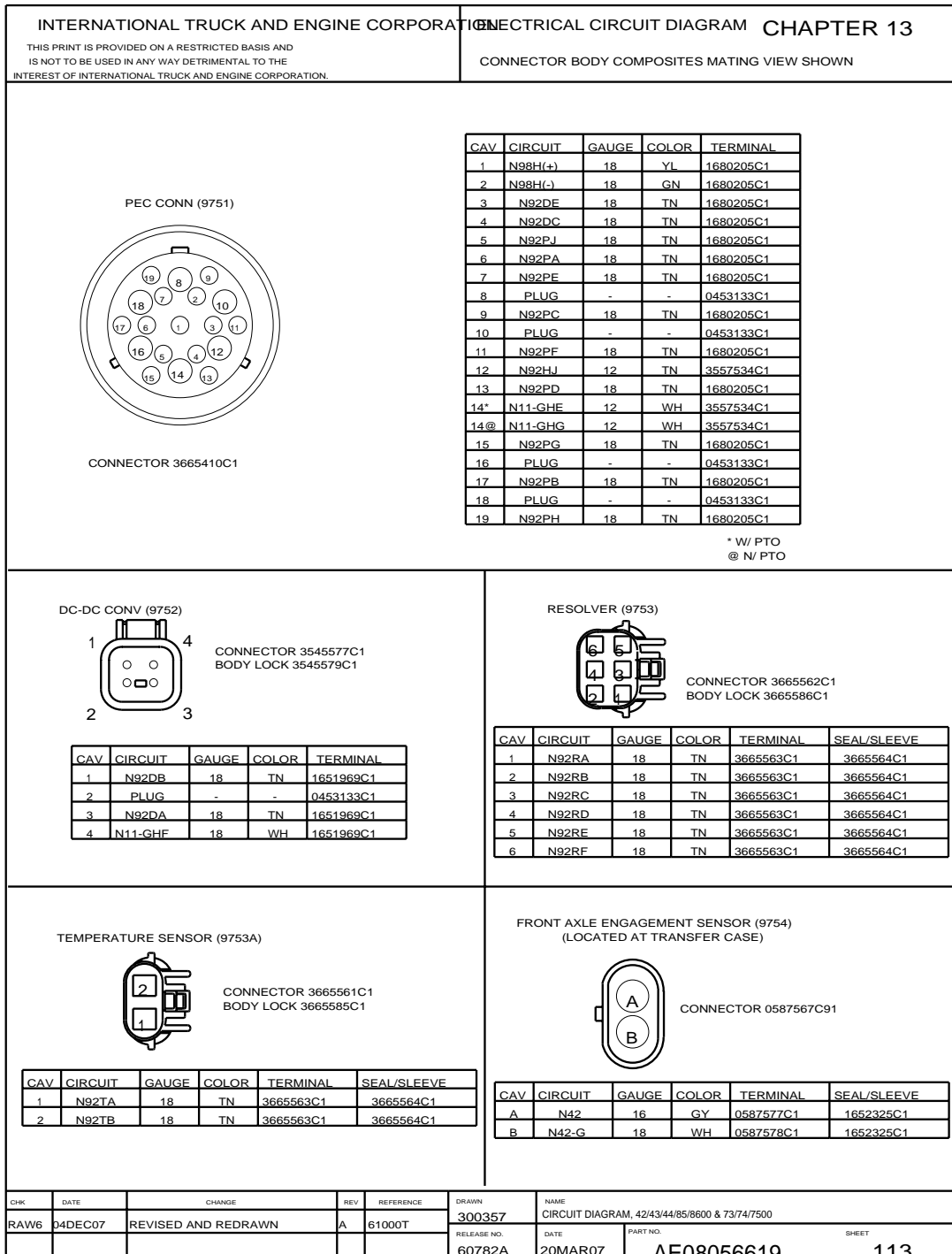


Figure 332 Connector Composites (9751), (9752), (9753), (9753A), (9754)

13.121. CONNECTOR COMPOSITES (9758), (9759), (9760), P. 114

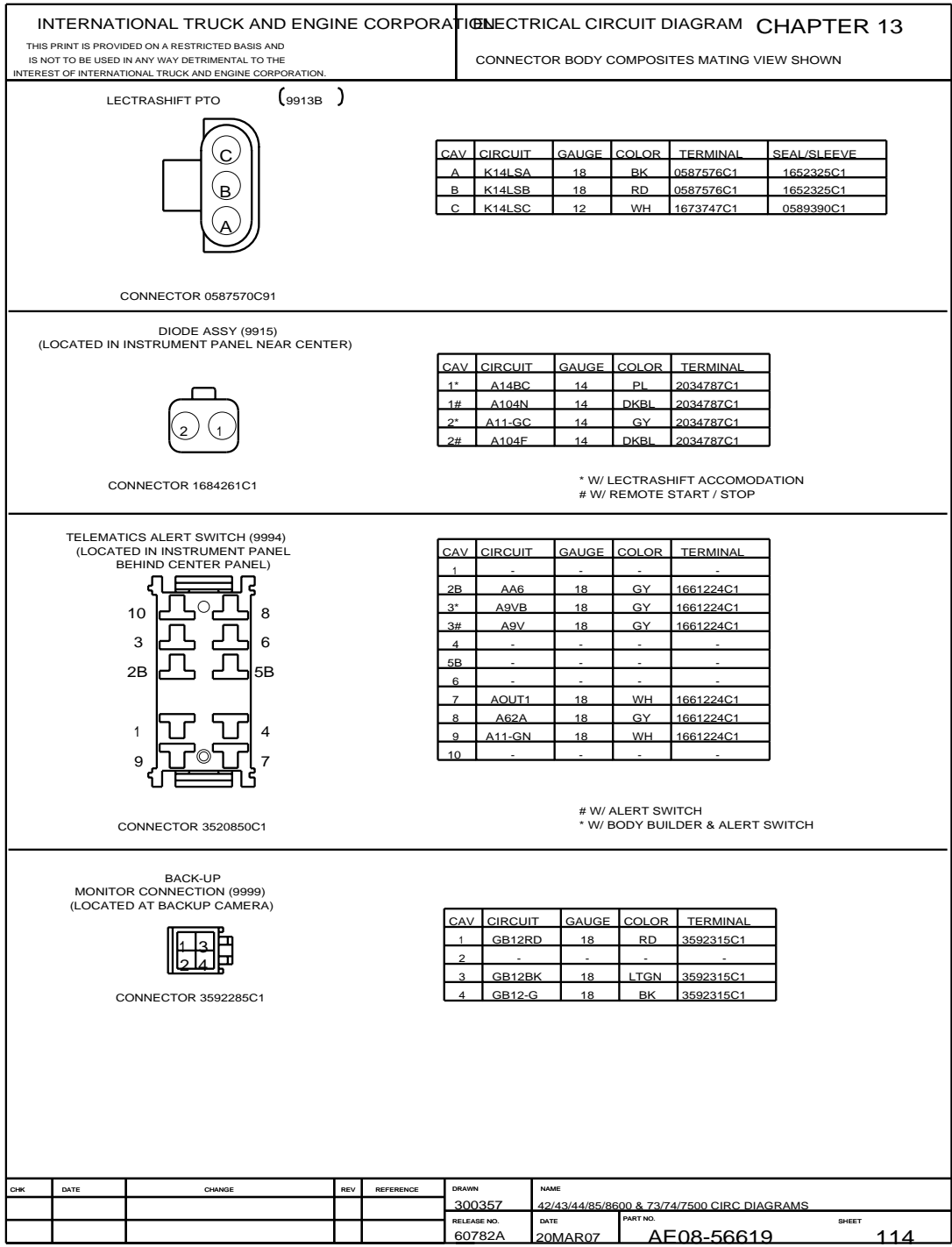


Figure 333 Connector Composites (9758), (9759), (9760)

13.122. CONNECTOR COMPOSITE (9761), P. 115

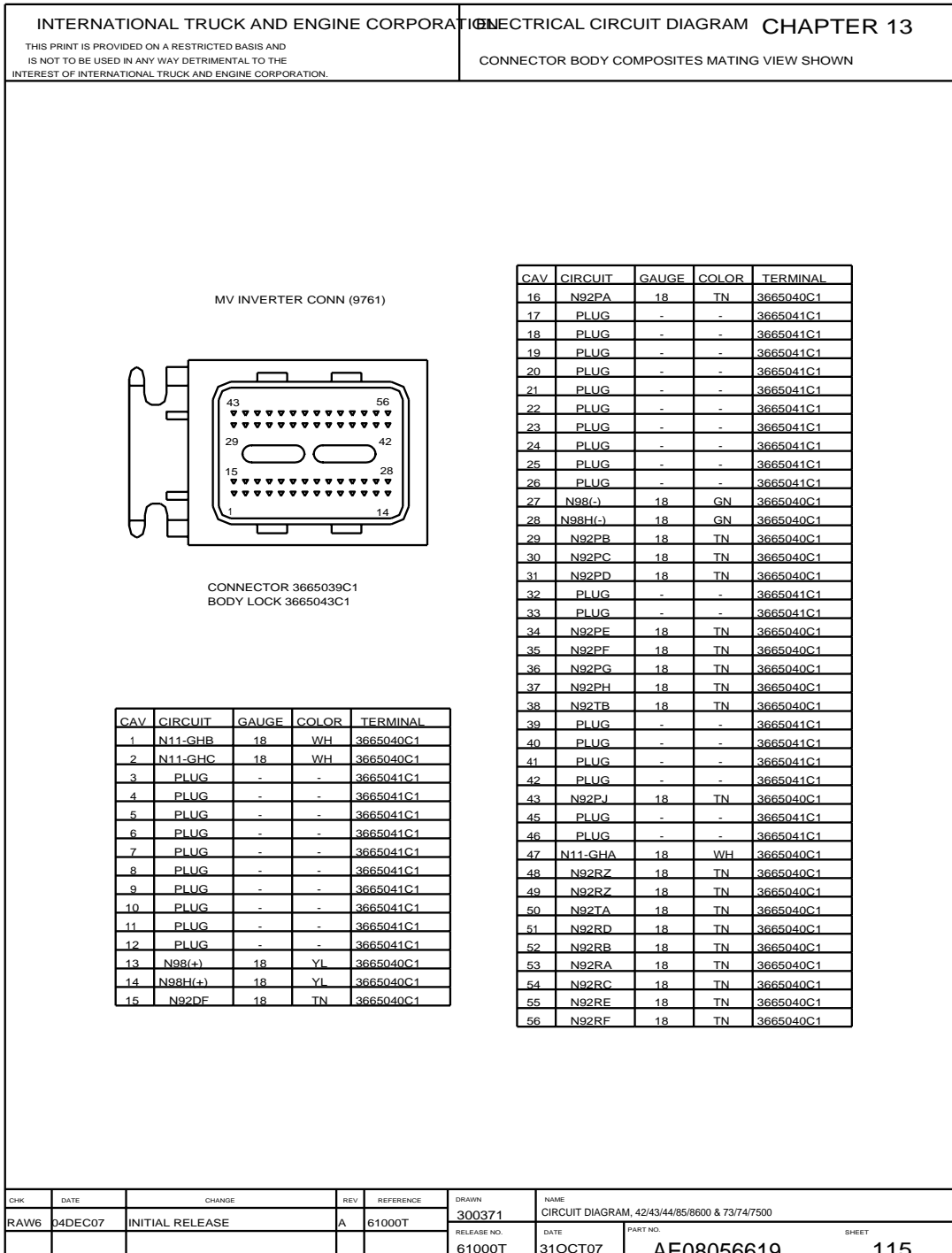


Figure 334 Connector Composite (9761)

**13.123. CONNECTOR COMPOSITES (9761F), (9762), (9763), (9764), (9765), (9766),
 P. 116**

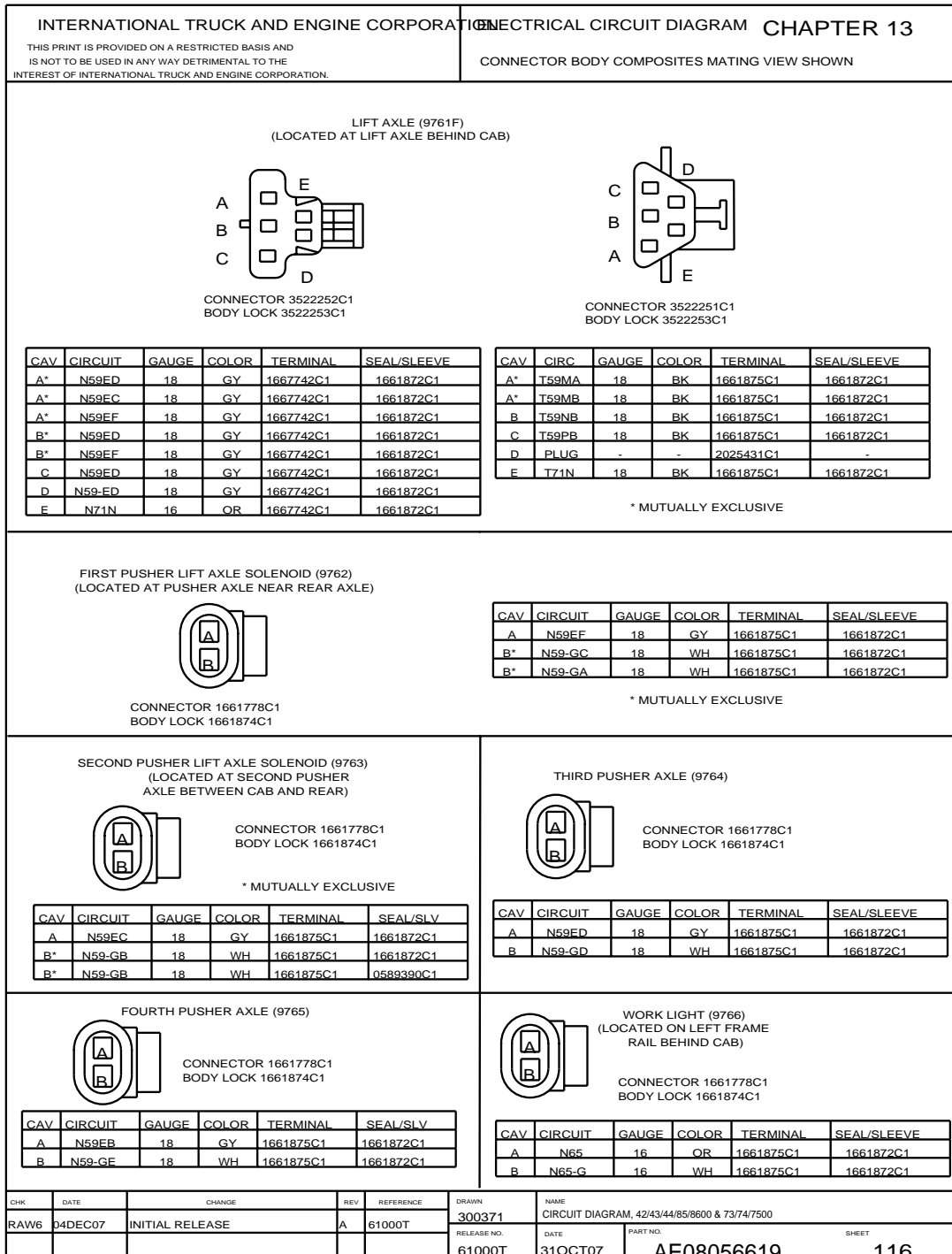


Figure 335 Connector Composites (9761F), (9762), (9763), (9764), (9765), (9766)

13.124. CONNECTOR COMPOSITES (9775), (9777), (9777A), (9778), P. 117

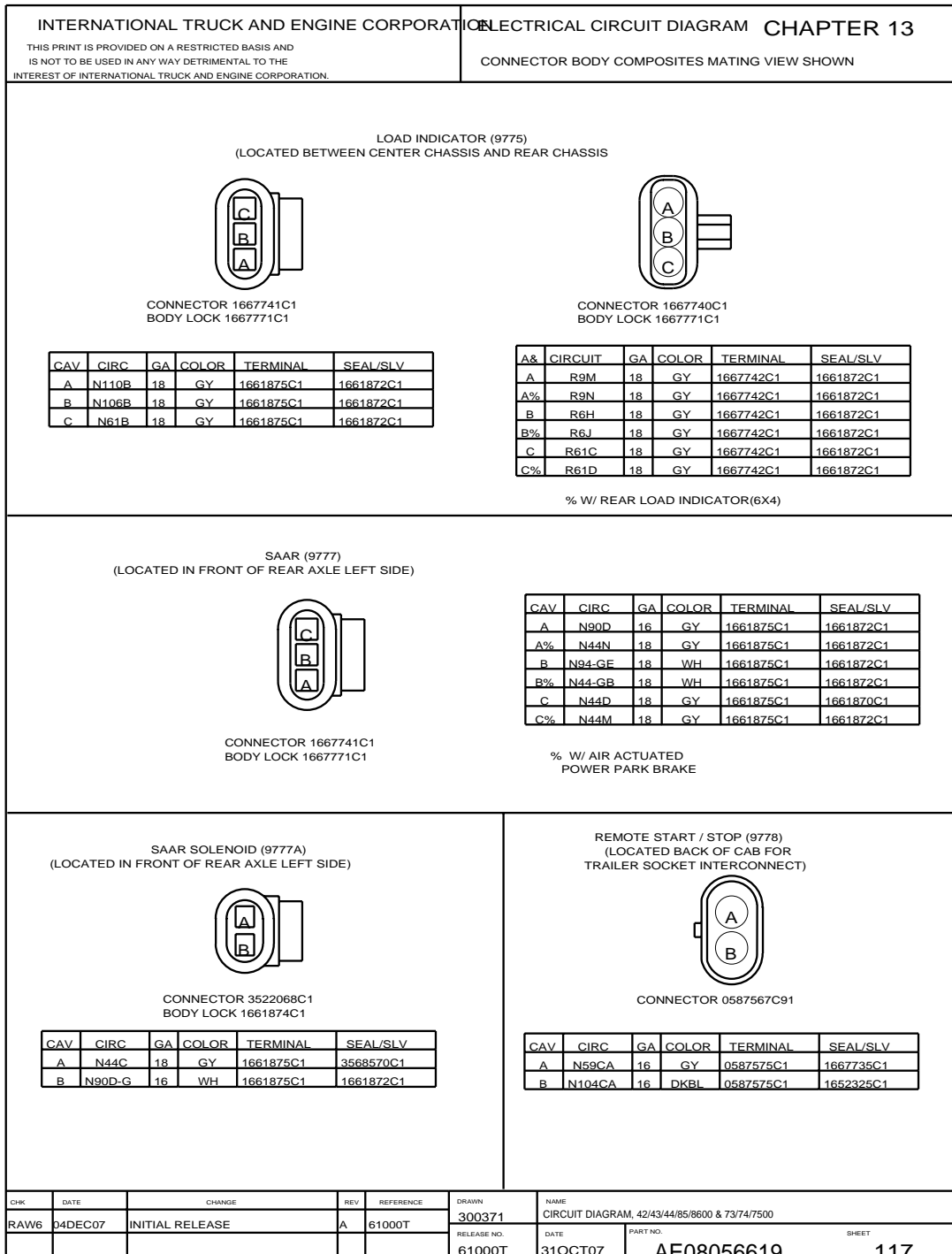


Figure 336 Connector Composites (9775), (9777), (9777A), (9778)

13.125. CONNECTOR COMPOSITES (9779F), (9780M), (9781M), (9782F), P. 118

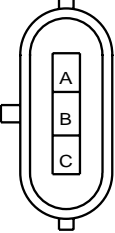
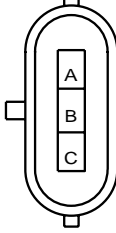
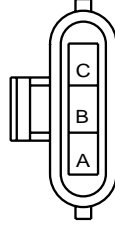
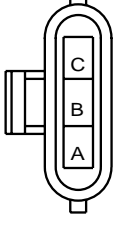
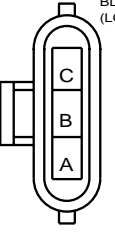
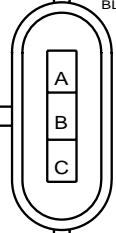
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<p style="text-align: center;">TRAILER SOCKET # 2 (9779F) (LOCATED AT END OF FRAME NEAR REAR AXLES)</p>  <p style="text-align: center;">CONNECTOR 1667732C1 BODY LOCK 1667734C1</p> <p style="text-align: center;">* W/ TRAILER SOCKET - BOC # W/ TRAILER & AUX SOCKET - BOC @ W/ TRAILER SOCKET - BOC & BODY BUILDER EOF</p> <table border="1" style="width:100%; border-collapse: collapse; font-size: x-small;"> <thead> <tr> <th>CAV</th> <th>CIRCUIT</th> <th>GAUGE</th> <th>COLOR</th> <th>TERMINAL</th> <th>SEAL/SLEEVE</th> </tr> </thead> <tbody> <tr><td>A#</td><td>N54B</td><td>10</td><td>BN</td><td>2025425C1</td><td>1667735C1</td></tr> <tr><td>A@</td><td>N54E</td><td>10</td><td>BN</td><td>2025425C1</td><td>1667735C1</td></tr> <tr><td>A*</td><td>N54T</td><td>10</td><td>BN</td><td>2025425C1</td><td>1667735C1</td></tr> <tr><td>B#</td><td>N56B</td><td>10</td><td>YL</td><td>2025425C1</td><td>1667735C1</td></tr> <tr><td>B@</td><td>N56E</td><td>10</td><td>YL</td><td>2025425C1</td><td>1667735C1</td></tr> <tr><td>B*</td><td>N56T</td><td>10</td><td>YL</td><td>2025425C1</td><td>1667735C1</td></tr> <tr><td>C#</td><td>N57B</td><td>10</td><td>LTGN</td><td>2025425C1</td><td>1667735C1</td></tr> <tr><td>C@</td><td>N57E</td><td>10</td><td>LTGN</td><td>2025425C1</td><td>1667735C1</td></tr> <tr><td>C*</td><td>N57T</td><td>10</td><td>LTGN</td><td>2025425C1</td><td>1667735C1</td></tr> </tbody> </table>				CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE	A#	N54B	10	BN	2025425C1	1667735C1	A@	N54E	10	BN	2025425C1	1667735C1	A*	N54T	10	BN	2025425C1	1667735C1	B#	N56B	10	YL	2025425C1	1667735C1	B@	N56E	10	YL	2025425C1	1667735C1	B*	N56T	10	YL	2025425C1	1667735C1	C#	N57B	10	LTGN	2025425C1	1667735C1	C@	N57E	10	LTGN	2025425C1	1667735C1	C*	N57T	10	LTGN	2025425C1	1667735C1	<p style="text-align: center;">TRAILER SOCKET # 2 (9779F) (LOCATED AT BACK OF CAB FOR TRAILER SOCKET INTERCONNECT)</p>  <p style="text-align: center;">CONNECTOR 1667732C1 BODY LOCK 1667734C1</p> <table border="1" style="width:100%; border-collapse: collapse; font-size: x-small;"> <thead> <tr> <th>CAV</th> <th>CIRCUIT</th> <th>GAUGE</th> <th>COLOR</th> <th>TERMINAL</th> <th>SEAL/SLEEVE</th> </tr> </thead> <tbody> <tr><td>A</td><td>R58A</td><td>10</td><td>BK</td><td>2025425C1</td><td>1667735C1</td></tr> <tr><td>B</td><td>R56A</td><td>10</td><td>YL</td><td>2025425C1</td><td>1667735C1</td></tr> <tr><td>C</td><td>R57A</td><td>10</td><td>LTGN</td><td>2025425C1</td><td>1667735C1</td></tr> </tbody> </table>				CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE	A	R58A	10	BK	2025425C1	1667735C1	B	R56A	10	YL	2025425C1	1667735C1	C	R57A	10	LTGN	2025425C1	1667735C1
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE																																																																																						
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A*	N54T	10	BN	2025425C1	1667735C1																																																																																						
B#	N56B	10	YL	2025425C1	1667735C1																																																																																						
B@	N56E	10	YL	2025425C1	1667735C1																																																																																						
B*	N56T	10	YL	2025425C1	1667735C1																																																																																						
C#	N57B	10	LTGN	2025425C1	1667735C1																																																																																						
C@	N57E	10	LTGN	2025425C1	1667735C1																																																																																						
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<p style="text-align: center;">TRAILER SOCKET # 1 (9780M) (LOCATED AT END OF FRAME NEAR REAR AXLES)</p>  <p style="text-align: center;">CONNECTOR 1667733C1 BODY LOCK 1667734C1</p> <table border="1" style="width:100%; border-collapse: collapse; font-size: x-small;"> <thead> <tr> <th>CAV</th> <th>CIRCUIT</th> <th>GAUGE</th> <th>COLOR</th> <th>TERMINAL</th> <th>SEAL/SLEEVE</th> </tr> </thead> <tbody> <tr><td>A</td><td>R70A</td><td>10</td><td>RD</td><td>1667737C1</td><td>1667735C1</td></tr> <tr><td>B</td><td>R68A</td><td>10</td><td>BN</td><td>1667737C1</td><td>1667735C1</td></tr> <tr><td>C</td><td>R94A</td><td>10</td><td>DKBL</td><td>1667737C1</td><td>1667735C1</td></tr> </tbody> </table>				CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE	A	R70A	10	RD	1667737C1	1667735C1	B	R68A	10	BN	1667737C1	1667735C1	C	R94A	10	DKBL	1667737C1	1667735C1	<p style="text-align: center;">GREEN ABS TRAILER SOCKET # 1 (9780M) (LOCATED BACK OF CAB FOR TRAILER SOCKET INTERCONNECT)</p>  <p style="text-align: center;">CONNECTOR 1667733C1 BODY LOCK 1667734C1</p> <p style="text-align: center;">* W/ TRAILER SOCKET - BOC # W/ TRAILER & AUX SOCKET - BOC @ W/ TRAILER SOCKET - BOC & BODY BUILDER EOF</p> <table border="1" style="width:100%; border-collapse: collapse; font-size: x-small;"> <thead> <tr> <th>CAV</th> <th>CIRCUIT</th> <th>GAUGE</th> <th>COLOR</th> <th>TERMINAL</th> <th>SEAL/SLEEVE</th> </tr> </thead> <tbody> <tr><td>A#</td><td>N70B</td><td>10</td><td>RD</td><td>1667737C1</td><td>1667735C1</td></tr> <tr><td>A@</td><td>N70E</td><td>10</td><td>RD</td><td>1667737C1</td><td>1667735C1</td></tr> <tr><td>A*</td><td>N70T</td><td>10</td><td>RD</td><td>1667737C1</td><td>1667735C1</td></tr> <tr><td>B#</td><td>N68B</td><td>10</td><td>BN</td><td>1667737C1</td><td>1667735C1</td></tr> <tr><td>B@</td><td>N68E</td><td>10</td><td>BN</td><td>1667737C1</td><td>1667735C1</td></tr> <tr><td>B*</td><td>N68T</td><td>10</td><td>BN</td><td>1667737C1</td><td>1667735C1</td></tr> <tr><td>C@</td><td>N94E</td><td>10</td><td>GY</td><td>1667737C1</td><td>1667735C1</td></tr> <tr><td>C*</td><td>N94T</td><td>10</td><td>GY</td><td>1667737C1</td><td>1667735C1</td></tr> </tbody> </table>				CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE	A#	N70B	10	RD	1667737C1	1667735C1	A@	N70E	10	RD	1667737C1	1667735C1	A*	N70T	10	RD	1667737C1	1667735C1	B#	N68B	10	BN	1667737C1	1667735C1	B@	N68E	10	BN	1667737C1	1667735C1	B*	N68T	10	BN	1667737C1	1667735C1	C@	N94E	10	GY	1667737C1	1667735C1	C*	N94T	10	GY	1667737C1	1667735C1						
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A@	N70E	10	RD	1667737C1	1667735C1																																																																																						
A*	N70T	10	RD	1667737C1	1667735C1																																																																																						
B#	N68B	10	BN	1667737C1	1667735C1																																																																																						
B@	N68E	10	BN	1667737C1	1667735C1																																																																																						
B*	N68T	10	BN	1667737C1	1667735C1																																																																																						
C@	N94E	10	GY	1667737C1	1667735C1																																																																																						
C*	N94T	10	GY	1667737C1	1667735C1																																																																																						
<p style="text-align: center;">BLACK AUX TRAILER SOCKET # 1 (9781M) (LOCATED BACK OF CAB FOR AUX TRAILER SOCKET INTERCONNECT)</p>  <p style="text-align: center;">CONNECTOR 1667733C1 BODY LOCK 1667734C1</p> <table border="1" style="width:100%; border-collapse: collapse; font-size: x-small;"> <thead> <tr> <th>CAV</th> <th>CIRCUIT</th> <th>GAUGE</th> <th>COLOR</th> <th>TERMINAL</th> <th>SEAL/SLEEVE</th> </tr> </thead> <tbody> <tr><td>A</td><td>N70C</td><td>10</td><td>RD</td><td>1667737C1</td><td>1667735C1</td></tr> <tr><td>B</td><td>N68C</td><td>10</td><td>BN</td><td>1667737C1</td><td>1667735C1</td></tr> <tr><td>C</td><td>N72</td><td>12</td><td>OR</td><td>1667737C1</td><td>3509903C1</td></tr> </tbody> </table>				CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE	A	N70C	10	RD	1667737C1	1667735C1	B	N68C	10	BN	1667737C1	1667735C1	C	N72	12	OR	1667737C1	3509903C1	<p style="text-align: center;">BLACK AUX TRAILER SOCKET # 2 (9782F) (LOCATED BACK OF CAB FOR AUX TRAILER SOCKET INTERCONNECT)</p>  <p style="text-align: center;">CONNECTOR 1667732C1 BODY LOCK 1667734C1</p> <table border="1" style="width:100%; border-collapse: collapse; font-size: x-small;"> <thead> <tr> <th>CAV</th> <th>CIRCUIT</th> <th>GAUGE</th> <th>COLOR</th> <th>TERMINAL</th> <th>SEAL/SLEEVE</th> </tr> </thead> <tbody> <tr><td>A</td><td>N54C</td><td>10</td><td>BN</td><td>2025425C1</td><td>1667735C1</td></tr> <tr><td>B</td><td>N56C</td><td>10</td><td>YL</td><td>2025425C1</td><td>1667735C1</td></tr> <tr><td>C</td><td>N57C</td><td>10</td><td>LTGN</td><td>2025425C1</td><td>1667735C1</td></tr> </tbody> </table>				CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE	A	N54C	10	BN	2025425C1	1667735C1	B	N56C	10	YL	2025425C1	1667735C1	C	N57C	10	LTGN	2025425C1	1667735C1																																				
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CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME	CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500																																																																																				
RAW6	04DEC07	INITIAL RELEASE	A	61000T	30371	DATE	PART NO.																																																																																				
					61000T	31OCT07	AE08056619																																																																																				
						SHEET	118																																																																																				

Figure 337 Connector Composites (9779F), (9780M), (9781M), (9782F)

13.126. CONNECTOR COMPOSITES (9800), P. 119

INTERNATIONAL TRUCK AND ENGINE CORPORATION ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

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.

CONNECTION TO CENTER HARNESS (9800)(LOCATED ON LEFT FRAME RAIL BEHIND CAB)
CONNECTOR 3558022C1
BODY LOCK 3558056C1

CONNECTION TO REAR CHASSIS HARNESS (9800) (LOCATED ON LEFT FRAME RAIL BEHIND CAB)
CONNECTOR 3558026C1
BODY LOCK 3558056C1

& MUTUALLY EXCLUSIVE
* W/ WABCO AIR
@ W/ BENDIX AIR
W/ HYDRAULIC
** W/ BENDIX AIR
ABS 6S/6M

CAV	CIR	GA	COLOR	TERMINAL	SEAL/SLV
1	R71	14	OR	3559037C1	3575783C1
2	R56	14	OR	3559037C1	3575783C1
3	R57	14	OR	3559037C1	3575783C1
4	R68	14	BN	3559037C1	3575783C1
5&	R32A	18	TN	3559036C1	3509903C1
5&	R36	18	TN	3559036C1	3509903C1
5&	R68	18	BN	3559036C1	3509903C1
6&	R32	18	TN	3559036C1	3509903C1
6&	R70	18	OR	3559036C1	3509903C1
7	R49	18	GY	3559036C1	3509903C1
8	R49A	18	GY	3559036C1	3509903C1
9&	R10-GB	18	WH	3559036C1	3509903C1
9&	R49-GA	18	WH	3559036C1	3509903C1
10	R9D	18	GY	3559036C1	3509903C1
11&	R9B	18	GY	3559036C1	3509903C1
11&	R9C	18	GY	3559036C1	3509903C1
12	R10-G	12	WH	3559037C1	3575783C1
13#	[R94M(+)]	18	BK	3559036C1	3509903C1
13*	[R94WL]	18	BK	3559036C1	3509903C1
13@	R94A	16	GY	3559037C1	3509903C1
13**	R94M	16	GY	3559037C1	3509903C1
14#	R94N(-)	18	BN	3559036C1	3509903C1
14*	[R94WM]	18	BN	3559036C1	3509903C1
14@	R94B	16	OR	3559037C1	3509903C1
14**	R94N	16	OR	3559037C1	3509903C1
15#	[R94PI]	18	BK	3559036C1	3509903C1
15*	[R94WS]	18	BK	3559036C1	3509903C1
15@	R94C	16	DKBL	3559037C1	3509903C1
15**	R94P	16	DKBL	3559037C1	3509903C1
16#	[R94RI]	18	BN	3559036C1	3509903C1
16*	[R94WT]	18	BN	3559036C1	3509903C1
16@	R94D	16	YL	3559037C1	3509903C1
16**	R94R	16	YL	3559037C1	3509903C1
17*	[R94WN]	18	BL	3559036C1	3509903C1
17@	R94E	16	BK	3559037C1	3509903C1
17**	R94S	16	BK	3559037C1	3509903C1
18*	[R94G7]	18	GN	3559036C1	3509903C1
18@	R94F	16	RD	3559037C1	3509903C1
18**	R94T	16	RD	3559037C1	3509903C1
19*	[R94WR]	18	BN	3559036C1	3509903C1
19@	R94H	16	BN	3559037C1	3509903C1
19**	R94U	16	BN	3559037C1	3509903C1
20*	[R94WU]	18	BL	3559036C1	3509903C1
20@	R94J	16	PL	3559037C1	3509903C1
20**	R94V	16	PL	3559037C1	3509903C1
21*	[R94G6]	18	GN	3559036C1	3509903C1
21@	R94K	16	LTGN	3559037C1	3509903C1
21**	R94W	16	LTGN	3559037C1	3509903C1
22*	[R94WV]	18	BN	3559036C1	3509903C1
22@	R94L	16	LTBL	3559037C1	3509903C1
22**	R94X	16	LTBL	3559037C1	3509903C1
23*	[R94WX]	18	BN	3559036C1	3509903C1
23@	R94BD	16	BN	3559037C1	3509903C1
24*	[R94WZ]	18	BL	3559036C1	3509903C1
24@	R94BE	16	YL	3559037C1	3509903C1

CAV	CIRCUIT	GA	COLOR	TERMINAL	SEAL/SLV
1	N71A	14	OR	3559035C1	3575783C1
2	N56	14	OR	3559035C1	3575783C1
3	N57	14	OR	3559035C1	3575783C1
4	N68	14	BN	3559035C1	3575783C1
5&	N32A	18	TN	3509874C1	3509903C1
5#	N36A	18	TN	3509874C1	3509903C1
6	N32	18	TN	3509874C1	3509903C1
7	N49	18	GY	3509874C1	3509903C1
8	N49A	18	GY	3509874C1	3509903C1
9	N49-G	18	WH	3509874C1	3509903C1
10	N9G	18	GY	3509874C1	3509903C1
11&	N9F	18	GY	3509874C1	3509903C1
11&	N9H	18	GY	3509874C1	3509903C1
12	N10-GA	12	WH	3559035C1	3575783C1
13@	N94BE	16	GY	3559035C1	3509903C1
13**	N94M(+)	18	GY	3509874C1	3532128C1
13*	N94WL	16	GY	3559035C1	3509903C1
14@	N94BD	16	GY	3559035C1	3509903C1
14**	N94M(-)	18	GY	3509874C1	3532128C1
14*	N94WM	16	GY	3559035C1	3509903C1
15@	N94BH	16	GY	3559035C1	3509903C1
15**	N94N(+)	18	GY	3509874C1	3532128C1
15*	N94WS	16	GY	3559035C1	3509903C1
16@	N94BF	16	GY	3559035C1	3509903C1
16**	N94N(-)	18	GY	3509874C1	3532128C1
16*	N94WT	16	GY	3559035C1	3509903C1
17**	N94BA	16	GY	3559035C1	3509903C1
17@	N94BA	16	GY	3559035C1	3509903C1
17*	N94WN	16	GY	3559035C1	3509903C1
18**	N94BB	16	GY	3559035C1	3509903C1
18@	N94BB	16	GY	3559035C1	3509903C1
18*	N94-G7	16	WH	3559035C1	3509903C1
19**	N94BC	16	GY	3559035C1	3509903C1
19@	N94BC	16	GY	3559035C1	3509903C1
19*	N94WR	16	GY	3559035C1	3509903C1
20**	N94BJ	16	GY	3559035C1	3509903C1
20@	N94BJ	16	GY	3559035C1	3509903C1
20*	N94WU	16	GY	3559035C1	3509903C1
21**	N94BK	16	GY	3559035C1	3509903C1
21@	N94BK	16	GY	3559035C1	3509903C1
21*	N94-G6	16	WH	3559035C1	3509903C1
22**	N94BL	16	GY	3559035C1	3509903C1
22@	N94BL	16	GY	3559035C1	3509903C1
22*	N94WV	16	GY	3559035C1	3509903C1
23@	N94BN	16	GY	3559035C1	3509903C1
23*	N94WX	18	GY	3509874C1	3509903C1
24@	N94BM	16	GY	3559035C1	3509903C1
24*	N94WZ	18	GY	3509874C1	3509903C1

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
RAW6	04DEC07	INITIAL RELEASE	A	61000T	300371	CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
					RELEASE NO. 61000T	DATE 31OCT07
						PART NO. AE08056619
						SHEET 119

Figure 338 Connector Composites (9800)

13.127. CONNECTOR COMPOSITES (9811), (9812), (9814), (9815), (9820M), P. 120

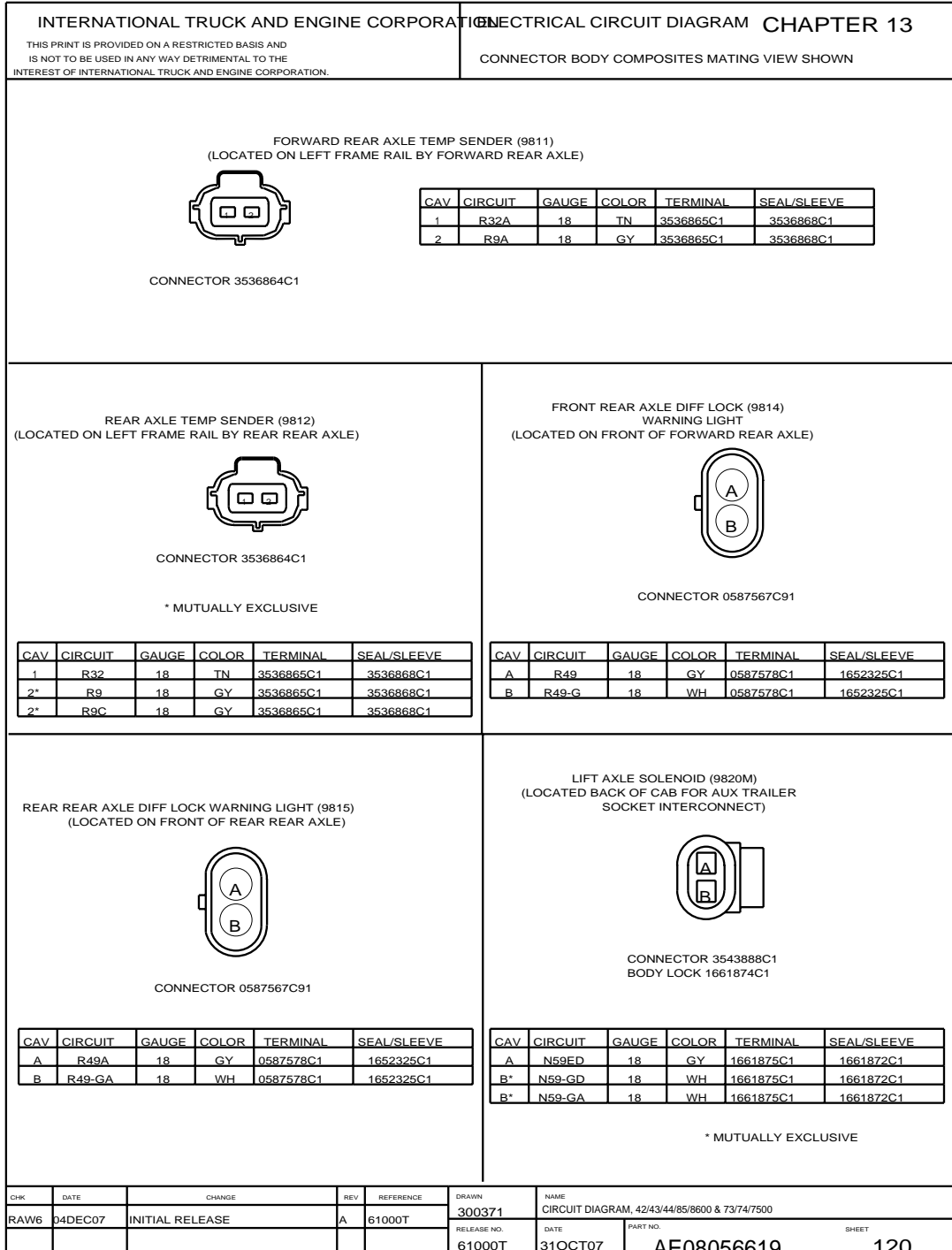


Figure 339 Connector Composites (9811), (9812), (9814), (9815), (9820M)

13.128. CONNECTOR COMPOSITES (9830), (9832), (9900), (9900E), P. 121

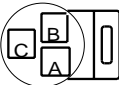
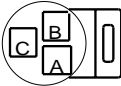
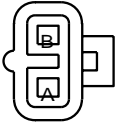
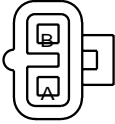
INTERNATIONAL TRUCK AND ENGINE CORPORATION <small>THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF INTERNATIONAL TRUCK AND ENGINE CORPORATION.</small>		ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13 CONNECTOR BODY COMPOSITES MATING VIEW SHOWN																					
REAR LOAD INDICATOR (4X2) (9830) (LOCATED ON REAR SUSPENSION AIR BAG - RIGHT SIDE)																							
	<table border="1" style="border-collapse: collapse; width: 100%;"> <thead> <tr> <th>CAV</th> <th>CIRCUIT</th> <th>GAUGE</th> <th>COLOR</th> <th>TERMINAL</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>R9M</td> <td>18</td> <td>GY</td> <td>1651943C1</td> </tr> <tr> <td>B</td> <td>R6H</td> <td>18</td> <td>GY</td> <td>1651943C1</td> </tr> <tr> <td>C</td> <td>R61C</td> <td>18</td> <td>GY</td> <td>1651943C1</td> </tr> </tbody> </table>			CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	A	R9M	18	GY	1651943C1	B	R6H	18	GY	1651943C1	C	R61C	18	GY	1651943C1
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL																			
A	R9M	18	GY	1651943C1																			
B	R6H	18	GY	1651943C1																			
C	R61C	18	GY	1651943C1																			
CONNECTOR 1678137C1																							
REAR LOAD INDICATOR (6X4) (9832) (LOCATED ON REAR SUSPENSION AIR BAG - LEFT SIDE)																							
	<table border="1" style="border-collapse: collapse; width: 100%;"> <thead> <tr> <th>CAV</th> <th>CIRCUIT</th> <th>GAUGE</th> <th>COLOR</th> <th>TERMINAL</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>R9N</td> <td>18</td> <td>GY</td> <td>1651943C1</td> </tr> <tr> <td>B</td> <td>R6J</td> <td>18</td> <td>GY</td> <td>1651943C1</td> </tr> <tr> <td>C</td> <td>R61D</td> <td>18</td> <td>GY</td> <td>1651943C1</td> </tr> </tbody> </table>			CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	A	R9N	18	GY	1651943C1	B	R6J	18	GY	1651943C1	C	R61D	18	GY	1651943C1
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL																			
A	R9N	18	GY	1651943C1																			
B	R6J	18	GY	1651943C1																			
C	R61D	18	GY	1651943C1																			
CONNECTOR 1678137C1																							
AIR DRYER (9900) (LOCATED ON LEFT FRAME RAIL BEHIND DAYCAB UNDER SLEEPER)																							
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CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE																		
A	N39B	16	GY	2033819C1	1652325C1																		
B	N39-GB	16	WH	2033819C1	1652325C1																		
CONNECTOR 1673790C1 BODY LOCK 1673791C1																							
AIR DRYER (9900E)																							
	<table border="1" style="border-collapse: collapse; width: 100%;"> <thead> <tr> <th>CAV</th> <th>CIRCUIT</th> <th>GAUGE</th> <th>COLOR</th> <th>TERMINAL</th> <th>SEAL/SLEEVE</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>M39B</td> <td>16</td> <td>GY</td> <td>2033819C1</td> <td>1652325C1</td> </tr> <tr> <td>B</td> <td>M39-GB</td> <td>16</td> <td>WH</td> <td>2033819C1</td> <td>1652325C1</td> </tr> </tbody> </table>			CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE	A	M39B	16	GY	2033819C1	1652325C1	B	M39-GB	16	WH	2033819C1	1652325C1		
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE																		
A	M39B	16	GY	2033819C1	1652325C1																		
B	M39-GB	16	WH	2033819C1	1652325C1																		
CONNECTOR 1673790C1 BODY LOCK 1673791C1																							
<small>CHK</small>	<small>DATE</small>	<small>CHANGE</small>	<small>REV</small>	<small>REFERENCE</small>	<small>DRAWN</small>	<small>NAME</small>																	
RAW6	04DEC07	INITIAL RELEASE	A	61000T	300371	CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500																	
					<small>RELEASE NO.</small>	<small>DATE</small>																	
					61000T	31OCT07																	
						<small>PART NO.</small>																	
						AE08056619																	
						<small>SHEET</small>																	
						121																	

Figure 340 Connector Composites (9830), (9832), (9900), (9900E)

**13.129. CONNECTOR COMPOSITES (9913B), (9915), (9920), (9921), (9994), (9999),
 P. 122**

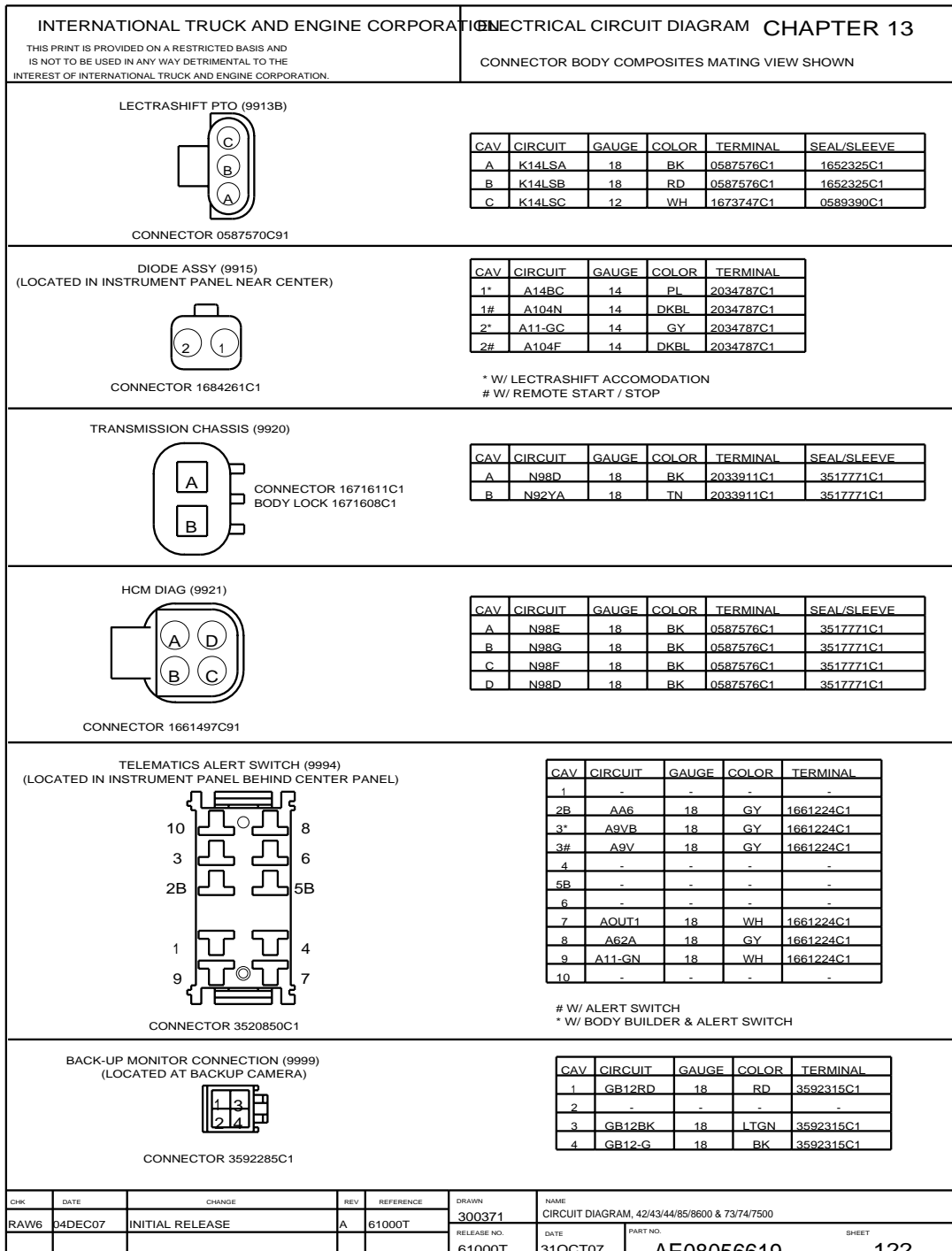


Figure 341 Connector Composites (9913B), (9915), (9920), (9921), (9994), (9999)