

SERVICE MANUAL

TRUCK SERVICE MANUAL

BE, CE Bus Starting March, 2007 — ELECTRICAL CIRCUIT DIAGRAMS (Chassis Only)

**Model: BE 200
Start Date: 03/01/2007**

**Model: CE Bus
Start Date: 03/01/2007**

**Model: CE 200
Start Date: 03/01/2007**

**Model: CE 300
Start Date: 03/01/2007**

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05/16/2008

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SAFETY INFORMATION

IMPORTANT – Read the following before starting the service procedure.

The information contained in this International Service Manual Section was current at the time of printing and is subject to change without notice or liability.

You must follow your company safety procedures when you service or repair equipment. Be sure to understand all of the procedures and instructions before you begin work on the unit.

International uses the following types of notations to give warning of possible safety problems and to give information that will prevent damage to the equipment being serviced or repaired.



WARNING – A warning indicates procedures that must be followed exactly. Personal injury or possible death can occur if the procedure is not followed.

CAUTION – A caution indicates procedures that must be followed exactly. If the procedure is not followed, damage to equipment or components can occur.

NOTE – A note indicates an operation, procedure or instruction that is important for correct service.

Some procedures require the use of special tools for safe and correct service. Failure to use these special tools when required can cause injury to service personnel or damage to vehicle components.

This service manual section is intended for use by professional technicians, NOT a “**do-it-yourselfer**.” It is written to inform these technicians of conditions that may occur on some vehicles, or to provide information that could assist in the proper service of a vehicle. Properly trained technicians have the equipment, tools, safety instructions, and know-how to do a job properly and safely. If a condition is described, DO NOT assume that the service section applies to your vehicle. See your International Truck Dealer for information on whether this service section applies to your vehicle.

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2.1. ABBREVIATIONS, P. 1

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

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME	DATE	PART NO.	SHEET
CNA	4MAY07	REVISED AND REDRAWN.	A	60782B	U00K640	CIRCUIT DIAGRAM, BE,CE BUS	22SEP06	AE08-56595	01
					59974E				

Figure 1 Abbreviations

2.2. ACRONYMS, P. 2

INTERNATIONAL TRUCK AND ENGINE CORPORATION
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ELECTRICAL CIRCUIT DIAGRAM
ACRONYMS

CHAPTER 2

DESCRIPTION	ACRONYM
ANTILOCK BRAKING SYSTEM	ABS
ANTENNA COMMUNICATION UNIT	ACU
ALTERNATING CURRENT	AC
AXLE TO BACK OF CAB	AC
AXLE TO FRAME	AF
ACCELERATOR PEDAL MODULE	APM
ACCELERATOR POSITION SENSOR	APS
AUXILIARY POWER UNIT	APU
AMERICAN TRUCKING ASSOCIATION	ATA
AUTOMATIC TRACTION CONTROL	ATC
AUDIO VIDEO INTERFACE	AVI
BAROMETRIC ATMOSPHERE PRESSURE	BAP
BRAKE HORSEPOWER	BHP
BACK OF CAB	BOC
CITIZEN BAND	CB
COLD CRANKING AMPERES	CCA
CLEAN POWER ELECTRICAL CONNECTOR	CEC
CENTRAL PROCESSING UNIT	CPU
CAB OVER ENGINE	COE
DIRECT CURRENT	DC
DRIVER CONTROL MODULE	DCM
DIGITAL DATA LINK	DDL
DIESEL OXIDATION CATALYST INLET TEMPERATURE	DOCT
DIESEL PARTICULATE FILTER	DPF
DIESEL PARTICULATE FILTER DELTA PRESSURE	DPFDP
DIESEL PARTICULATE FILTER TEMPERATURE	DPFT
DIESEL TURBOCHARGED	DT
DAY TIME RUNNING LIGHTS	DTRL
ELECTRONIC CONTROL MODULE	ECM
ELECTRONIC CONTROL UNIT	ECU
EXHAUST GAS RECIRCULATION	EGR
EXHAUST GAS TEMPERATURE	EGT
ELECTRO MAGNETIC INTEFERENCE	EMI
END OF FRAME	EOF
ELECTRIC TRAILER BRAKE	ETB
FRONT AXLE	FA
FRONT END	FE
FRONT OF DASH	FOD
FULL POWER BRAKE	FPB
GLOBAL POSITIONING SYSTEM	GPS
HYDRAULIC CONTROL UNIT	HCU
HEAVY DUTY	HD

DESCRIPTION	ACRONYM
HEAVY DUTY DIESEL	HDD
HIGH PERFORMANCE TRUCK	HPT
HEATING, VENTILATION, AND AIR CONDITIONING	HVAC
INJECTOR DRIVE MODULE	IDM
INPUT/OUTPUT	I/O
INTEGRATED MOBILE COMMUNICATION TERMINAL	IMCT
INSTRUMENT PANEL	I/P
INDEPENDENT POWER TAKE-OFF	IPTO
LIGHT COMMERCIAL TRANSMISSION	LCT
LOW PRESSURE MODULE	LPM
MEDIUM DUTY	MD
MALFUNCTION INDICATION LAMP	MIL
MULTIPLEX SWITCH MODULE	MSM
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
WORLD TRANSMISSION ELECTRONIC CONTROLS	WTEC
VEHICLE SPEED OUTPUT	VSO
VEHICLE SPEED SENSOR	VSS
ZERO VOLT REFERENCE	ZVR
VEHICLE SPEED OUTPUT	VSO
VEHICLE SPEED SENSOR	VSS
ZERO VOLT REFERENCE	ZVR

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
	4MAY07	REVISED AND REDRAWN.	A	60782B	U00K640	CIRCUIT DIAGRAM, BE,CE BUS
					RELEASE NO. 59974E	DATE 22SEP06
						PART NO. AE08-56595

SHEET

02

2.3. CIRCUIT DIAGRAM INSTRUCTIONS, P. 3

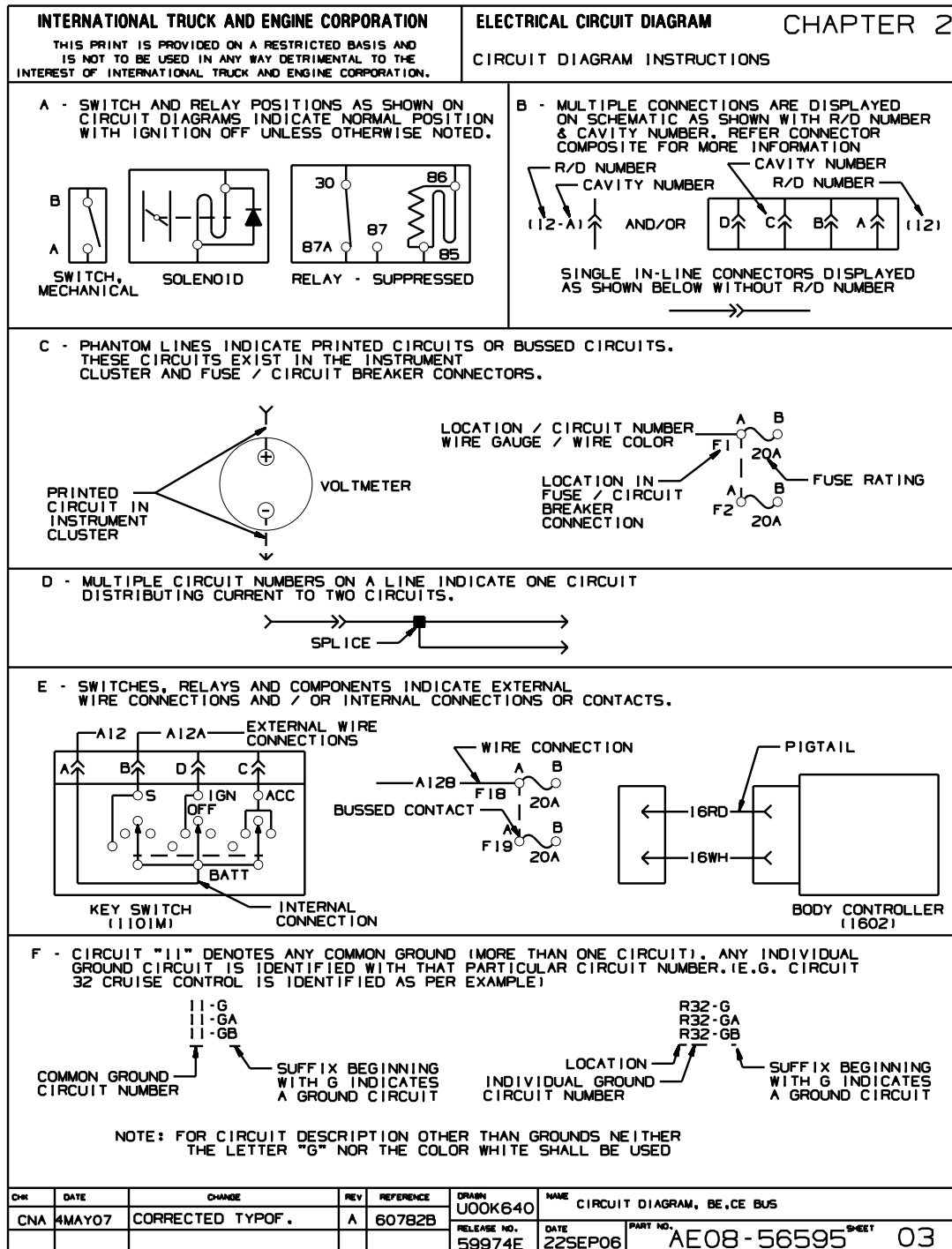


Figure 3 Circuit Diagram Instructions

2.4. CIRCUIT NUMBER IDENTIFICATION AND COLOR, P. 4

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ELECTRICAL CIRCUIT DIAGRAM

CIRCUIT NUMBER IDENTIFICATION AND COLOR

CHAPTER 2

CIRCUIT NUMBER	COLOR	DESCRIPTION
1	LTBL	ALTERNATOR-FIELD
2	RD	ALTERNATOR-CHARGE
3	DKBL	SERIAL / DATA COMMUNICATION J1587 / J1708 (+)
	GY	SERIAL / DATA COMMUNICATION J1587 / J1708 (-)
4	DKBL	SERIAL / DATA COMMUNICATION J1922 (+)
	GY	SERIAL / DATA COMMUNICATION J1922 (-)
5	YL	SERIAL / DATA COMMUNICATION J1939/11 / J1939/15 (+)
	GN	SERIAL / DATA COMMUNICATION J1939/11 / J1939/15 (-)
6	GY	LOW VOLTAGE ELECTRONIC FEED (LESS THAN 9 VOLTS)
7	RD	ALTERNATOR-RESISTANCE
8		
9	GY	ZERO VOLT REFERENCE (ZVR)
10	WH	CHASSIS / ENGINE GROUND
11	WH	CAB / SLEEPER GROUND
12	LTBL	ACCESSORY FEED
13	PK	IGNITION FEED
	BK	IGNITION FEED (BODY BUILDER CONNECTOR)
14	RD	BATTERY FEED
15	RD	KEY SWITCH FEED
16		
17	PK	STARTER CONTROL
18	PK	GLOW PLUG / PREHEATER
19	GY	ENGINE SHUTDOWN
20	LTGN	REMOTE POWER MODULE
21	TN	COLD START CONTROLS (ETHER)
22	TN	TIRE PRESSURE MONITORING / CONTROL
23	TN	ENGINE FAN / SHUTTERS
24	GY	ENGINE EXHAUST BRAKE
25	TN	PYROMETER
26	TN	AMMETER
27	TN	VOLTMETER
28	TN	INSTRUMENT & GAUGES
29	TN	ENGINE WATER TEMPERATURE
30	TN	ENGINE OIL TEMPERATURE
31	TN	TRANSMISSION OIL TEMPERATURE
32	TN	AXLE OIL TEMPERATURE
33	TN	ENGINE OIL LEVEL
34	TN	COOLANT LEVEL
35	TN	ENGINE OIL PRESSURE
36	TN	FUEL LEVEL
37	TN	FUEL PUMP
38	GY	LIFT AXLE
39	GY	AIR DRYER HEATER
40	GY	LOW AIR PRESSURE WARNING

CHK	DATE	CHANGE	REV	REFERENCE	DRASH	NAME	
CNA	4MAY07	ADDED COLOR FOR	A	60782B	U00K640	CIRCUIT DIAGRAM, BE,CE BUS	
		CIRCUIT 4.			RELEASE NO.	DATE	PART NO.
					59974E	22SEP06	AE08-56595
							SHEET 04

Figure 4 Circuit Number Identification and Color

2.5. CIRCUIT NUMBER IDENTIFICATION AND COLOR, P. 5

INTERNATIONAL TRUCK AND ENGINE CORPORATION

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ELECTRICAL CIRCUIT DIAGRAM

CHAPTER 2

CIRCUIT NUMBER IDENTIFICATION AND COLOR (CONT)

CIRCUIT NUMBER	COLOR	DESCRIPTION
41	TN	AIR TEMPERATURE
42	GY	FRONT AXLE ENGAGED
43	GY	POWER DIVIDER LOCK (PDL) WARNING
44	GY	PARK BRAKE WARNING
45	LTGN	ANTITHEFT WARNING
46	GY	POWER TAKEOFF 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)
	OR	TURN SIGNAL LIGHTS - RIGHT
57	LTGN	TURN SIGNAL LIGHTS - RIGHT (BODY BUILDER CONNECTION)
	BN	CLEARANCE / IDENTIFICATION LIGHTS
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 RECIRC MOTOR
75	LTGN	HEATER BLOWER MOTOR
76	LTGN	AUXILIARY FAN
77	LTGN	AIR CONDITIONER
78	LTGN	MIRRORS - HEATED, MOTORIZED
79	GY	SEAT BELTS
80	BK	SLEEPER BOX RELAY - FEED

CHR	DATE	CHANGE	REV	REFERENCE	DRASH	NAME	
CNA	4MAY07	CORRECTED TYPOF.	A	60782B	U00K640	CIRCUIT DIAGRAM, BE,CE BUS	
					RELEASE NO.	DATE	PART NO.
					59974E	22SEP06	AE08-56595
							SHEET 05

Figure 5 Circuit Number Identification and Color (Cont.)

2.6. CIRCUIT NUMBER IDENTIFICATION AND COLOR, P. 6

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ELECTRICAL CIRCUIT DIAGRAM

CIRCUIT NUMBER IDENTIFICATION AND COLOR (CONT)

CHAPTER 2

CIRCUIT NUMBER	COLOR	DESCRIPTION
81	LTGN	POWER DOOR LOCKS
82	GY	WINDSHIELD WIPER
83	LTGN	POWER WINDOWS
84	LTGN	CIGAR LIGHTER
85	GY	HORN
86	LTGN	RADIO - ENTERTAINMENT / CLOCK
87	GY	WINDSHIELD WASHER
88	LTGN	CLOCK / HOURMETER
89	VT	AIR BAG
90	GY	HYDRAULIC BRAKE PUMP
91	VT	INTERCOMMUNICATION
92	TN	TRANSMISSION CONTROLS - ELECTRONICS
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	INTRUMENT CLUSTER ELECTRONIC FEED (5V)
108	GY	BRAKE PAD WEAR SENSOR
109	GY	BRAKE STROKE / SLACK ADJUSTER
110	GY	INTRUMENT CLUSTER ELECTRONIC GROUND
111	TN	FUEL FILTER RESTRICTION TRANSDUCER
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 XMBR)
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

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
CNA	4MAY07	CORRECTED TYPOF.	A	60782B	U00K640	CIRCUIT DIAGRAM, BE,CE BUS
					RELEASE NO. 59974E	DATE 22SEP06
					PART NO. AE08-56595	SHEET 06

Figure 6 Circuit Number Identification and Color (Cont.)

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<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 60%;">BULB APPLICATION</th> <th style="width: 20%;">CANDLEPOWER OR WATT</th> <th style="width: 20%;">BULB TRADE NUMBER</th> </tr> </thead> <tbody> <tr><td>BACK-UP LIGHTS</td><td>32 CP</td><td>GE1156</td></tr> <tr><td>CLEARANCE & IDENTIFICATION SMALL</td><td>3 CP</td><td>GE168</td></tr> <tr><td>COURTESY LIGHT</td><td>21 CP</td><td>1142</td></tr> <tr><td>DOVE LIGHTS</td><td>21 CP</td><td>1142</td></tr> <tr><td>FOG LIGHTS</td><td>100 WATT</td><td>4921 - 1</td></tr> <tr><td>LOW BEAMS</td><td>55 WATT</td><td>GE9007</td></tr> <tr><td>HIGH BEAMS</td><td>60 WATT</td><td>GE9007</td></tr> <tr><td>CIGAR LIGHTER</td><td>1 CP</td><td>1455</td></tr> <tr><td>MAP LIGHT</td><td>3 CP</td><td>1816</td></tr> <tr><td>SIDE MARKER</td><td></td><td>2548</td></tr> <tr><td>STOP & TURN / TAIL & LICENSE PLATE</td><td>32 / 3 CP</td><td>3157</td></tr> <tr><td>TURN SIGNAL / MARKER (FENDER)</td><td>32 / 3 CP</td><td>3157</td></tr> <tr><td>TURN SIGNAL & MARKER LIGHT</td><td></td><td>2356</td></tr> <tr><td>WORK (TRAILER HOOK)</td><td>35 WATT</td><td>4411</td></tr> <tr><td>BACK-UP LIGHTS UPPER AND LOWER BUNK READING LIGHT</td><td>15 CP</td><td>1003</td></tr> <tr><td>CABINET / WARDROBE LIGHT</td><td>5W</td><td>7575</td></tr> <tr><td>UNDER BUNK LIGHT</td><td>21 CP / 2112 CP</td><td>577 / 211</td></tr> <tr><td>ACCENT LIGHT</td><td>2 (12 CP)</td><td>211</td></tr> <tr><td>DOVE LIGHT LAMP</td><td>15 WATT</td><td>F15TB - CW</td></tr> <tr><td>SLEEPER FLOOR LIGHT</td><td>4 CP</td><td>W5W</td></tr> <tr><td>HEATER AND AIR CONDITIONER CONTROL</td><td>3 CP</td><td>168</td></tr> <tr><td>LUGGAGE COMPARTMENT LIGHT</td><td>6 CP</td><td>99</td></tr> <tr><td>READING LIGHT</td><td>15 CP</td><td>1003</td></tr> </tbody> </table>								BULB APPLICATION	CANDLEPOWER OR WATT	BULB TRADE NUMBER	BACK-UP LIGHTS	32 CP	GE1156	CLEARANCE & IDENTIFICATION SMALL	3 CP	GE168	COURTESY LIGHT	21 CP	1142	DOVE LIGHTS	21 CP	1142	FOG LIGHTS	100 WATT	4921 - 1	LOW BEAMS	55 WATT	GE9007	HIGH BEAMS	60 WATT	GE9007	CIGAR LIGHTER	1 CP	1455	MAP LIGHT	3 CP	1816	SIDE MARKER		2548	STOP & TURN / TAIL & LICENSE PLATE	32 / 3 CP	3157	TURN SIGNAL / MARKER (FENDER)	32 / 3 CP	3157	TURN SIGNAL & MARKER LIGHT		2356	WORK (TRAILER HOOK)	35 WATT	4411	BACK-UP LIGHTS UPPER AND LOWER BUNK READING LIGHT	15 CP	1003	CABINET / WARDROBE LIGHT	5W	7575	UNDER BUNK LIGHT	21 CP / 2112 CP	577 / 211	ACCENT LIGHT	2 (12 CP)	211	DOVE LIGHT LAMP	15 WATT	F15TB - CW	SLEEPER FLOOR LIGHT	4 CP	W5W	HEATER AND AIR CONDITIONER CONTROL	3 CP	168	LUGGAGE COMPARTMENT LIGHT	6 CP	99	READING LIGHT	15 CP	1003
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						SHEET	07																																																																								

Figure 7 Lamp Bulb Chart

2.8. RELAY FUNCTION AND WIRING GUIDE, P. 8

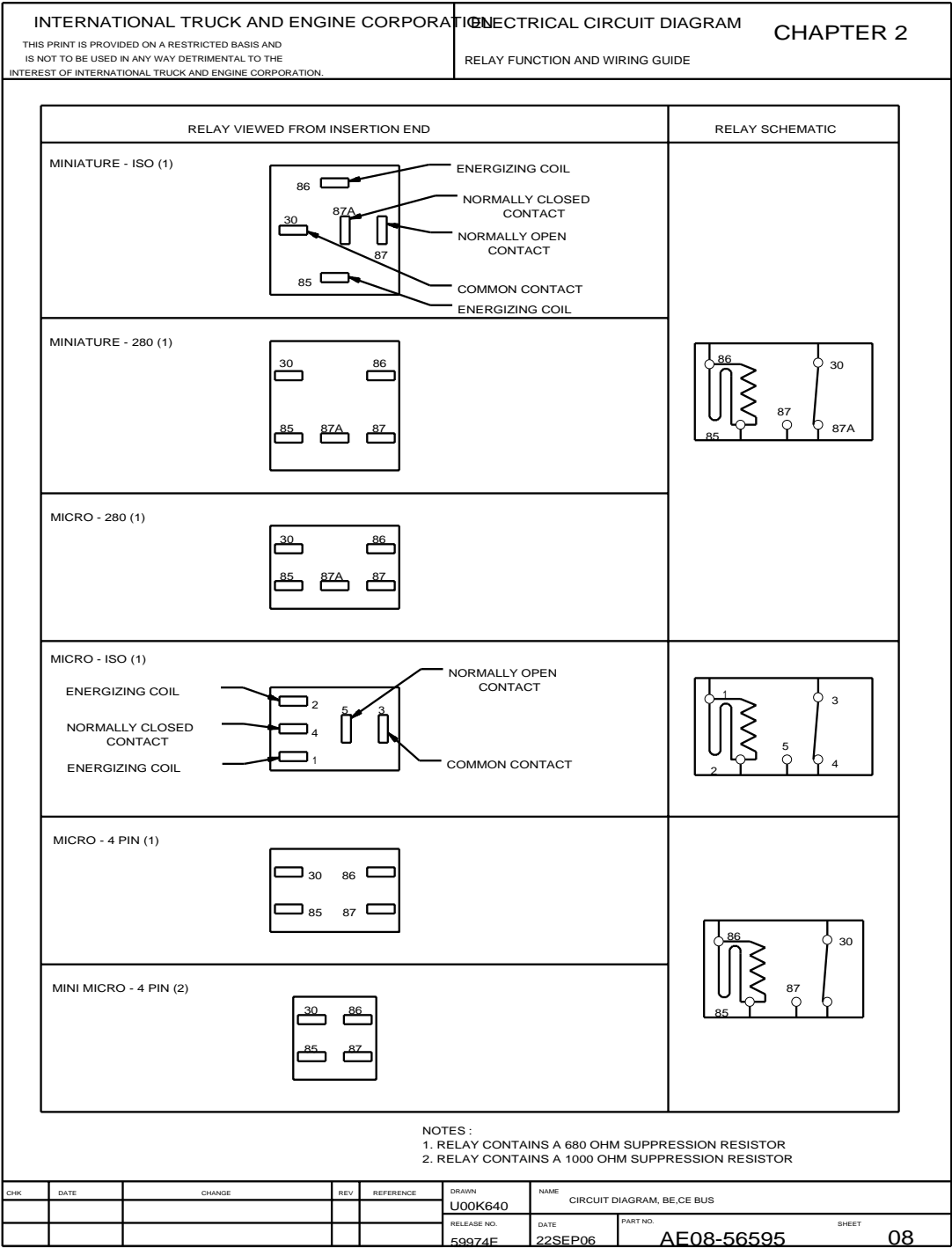


Figure 8 Relay Function and Wiring Guide

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		
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	AIR DRYER		CIGAR LIGHTER		BLUNT CUT CIRCUIT		FEMALE TERMINAL
	ALARM		DIODE		BUSBAR		FUSE
	ALTERNATOR		DIODE, LIGHT EMITTING		FAN SOLENOID		
	AMMETER		CIRCUIT BREAKER				
	BATTERY		CIRCUIT BREAKER				

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME		
					U00K640	CIRCUIT DIAGRAM, BE, CE BUS		
					RELEASE NO.	DATE	PART NO.	SHEET
					59974E	22SEP06	AE08-56595	09

Figure 9 Schematic Symbol Chart

2.10. SCHEMATIC SYMBOL CHART, P. 10

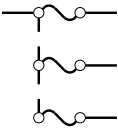
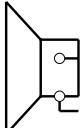

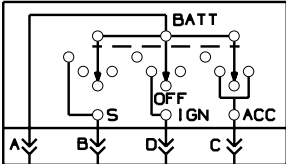

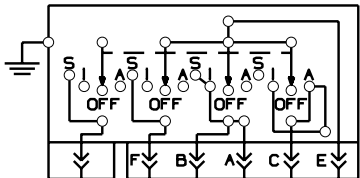

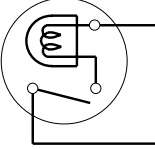

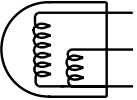


INTERNATIONAL TRUCK AND ENGINE CORPORATION				ELECTRICAL CIRCUIT DIAGRAM		CHAPTER 2	
THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF INTERNATIONAL TRUCK AND ENGINE CORPORATION.				SCHEMATIC SYMBOL CHART (CONT)			
SYMBOL		DESCRIPTION		SYMBOL		DESCRIPTION	
		FUSES W/ BUSBAR				HORN	
		FUSIBLE LINK				KEY SWITCH	
		GROUND N/ STUD				KEY SWITCH, COMPLEX	
		GROUND W/ STUD				LIGHT W/ SWITCH	
		HEATER				LIGHT, DOUBLE FILAMENT	
		HOLDER, FUSE W/ BUSBAR				LIGHT, SINGLE FILAMENT	
CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME	
CNA	4MAY07	CORRECTED TYPOF.	A	60782B	U00K640	CIRCUIT DIAGRAM, BE,CE BUS	
					RELEASE NO.	DATE	PART NO.
					59974E	22SEP06	AE08-56595
							SHEET 10

Figure 10 Schematic Symbol Chart

2.11. SCHEMATIC SYMBOL CHART, P. 11


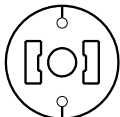


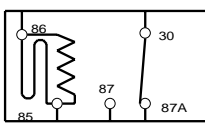
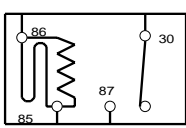
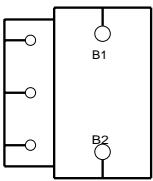

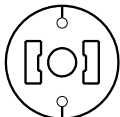


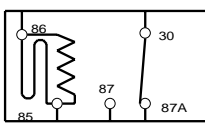
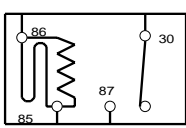
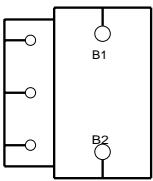

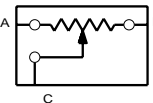
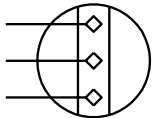
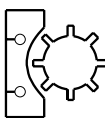
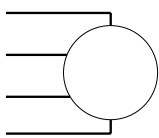
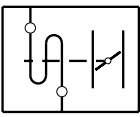
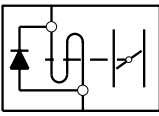

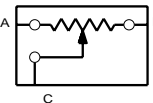
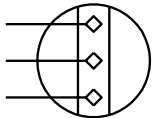
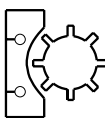
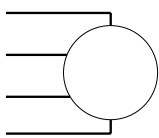
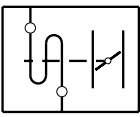
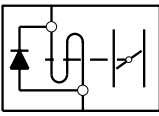

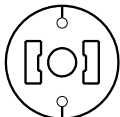


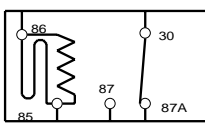
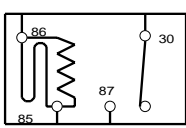
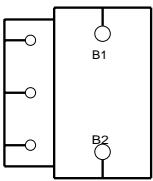

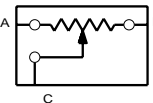
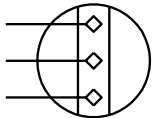
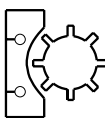
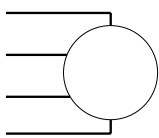
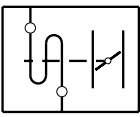
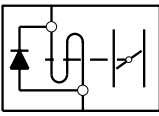
INTERNATIONAL TRUCK AND ENGINE CORPORATION					ELECTRICAL CIRCUIT DIAGRAM		CHAPTER 2																																	
THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF INTERNATIONAL TRUCK AND ENGINE CORPORATION.					SCHEMATIC SYMBOL CHART (CONT)																																			
<table><tr><th>SYMBOL</th><th>DESCRIPTION</th></tr><tr><td></td><td>MALE TERMINAL</td></tr><tr><td></td><td>MOTOR</td></tr><tr><td></td><td>PASS THRU CONNECTION</td></tr><tr><td></td><td>PRESSURE SWITCH</td></tr><tr><td></td><td>RELAY, FIVE TERMINAL</td></tr><tr><td></td><td>RELAY, FOUR TERMINAL</td></tr><tr><td></td><td>RELAY, LATCHING</td></tr></table>					SYMBOL	DESCRIPTION		MALE TERMINAL		MOTOR		PASS THRU CONNECTION		PRESSURE SWITCH		RELAY, FIVE TERMINAL		RELAY, FOUR TERMINAL		RELAY, LATCHING	<table><tr><th>SYMBOL</th><th>DESCRIPTION</th></tr><tr><td></td><td>RESISTOR</td></tr><tr><td></td><td>SENDER - FUEL, OIL, WATER</td></tr><tr><td></td><td>SENSOR, PRESSURE. ABS 6</td></tr><tr><td></td><td>SENSOR, MAGNETIC</td></tr><tr><td></td><td>SENSOR, YAW</td></tr><tr><td></td><td>SOLENOID</td></tr><tr><td></td><td>SOLENOID W/ DIODE</td></tr></table>				SYMBOL	DESCRIPTION		RESISTOR		SENDER - FUEL, OIL, WATER		SENSOR, PRESSURE. ABS 6		SENSOR, MAGNETIC		SENSOR, YAW		SOLENOID		SOLENOID W/ DIODE
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CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME																																		
					U00K640	CIRCUIT DIAGRAM, BE, CE BUS																																		
					RELEASE NO.	DATE	PART NO.	SHEET																																
					59974F	22SEP06	AE08-56595	11																																

Figure 11 Schematic Symbol Chart (Cont.)

2.12. SCHEMATIC SYMBOL CHART, P. 12

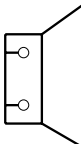


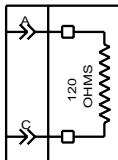

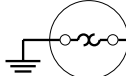
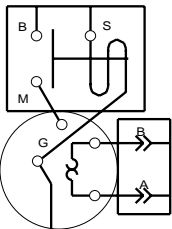
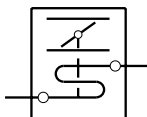

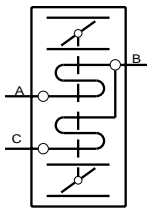

INTERNATIONAL TRUCK AND ENGINE CORPORATION					ELECTRICAL CIRCUIT DIAGRAM		CHAPTER 2	
THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF INTERNATIONAL TRUCK AND ENGINE CORPORATION.					SCHEMATIC SYMBOL CHART (CONT)			
SYMBOL		DESCRIPTION			SYMBOL		DESCRIPTION	
		SPEAKER					SWITCH, PUSH BUTTON	
		SPLICE					TERMINATING RESISTOR	
		STUD					THERMOSTAT	
		START MOTOR W/ TOCP					VALVE, ETHER BOTTLE	
		SWITCH, MECHANICAL (NORMALLY OPEN)					VALVE, MODULATOR	
		SWITCH, MECHANICAL (NORMALLY CLOSED)						
CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME		
					U00K640	CIRCUIT DIAGRAM, BE, CE BUS		
					RELEASE NO.	DATE	PART NO.	SHEET
					59974F	22SEP06	AE08-56595	12

Figure 12 Schematic Symbol Chart (Cont.)

3. 12 VOLT POWER DISTRIBUTION AND DATA LINK (CHAPTER 3)

3.1. BATTERY FEED, P. 1

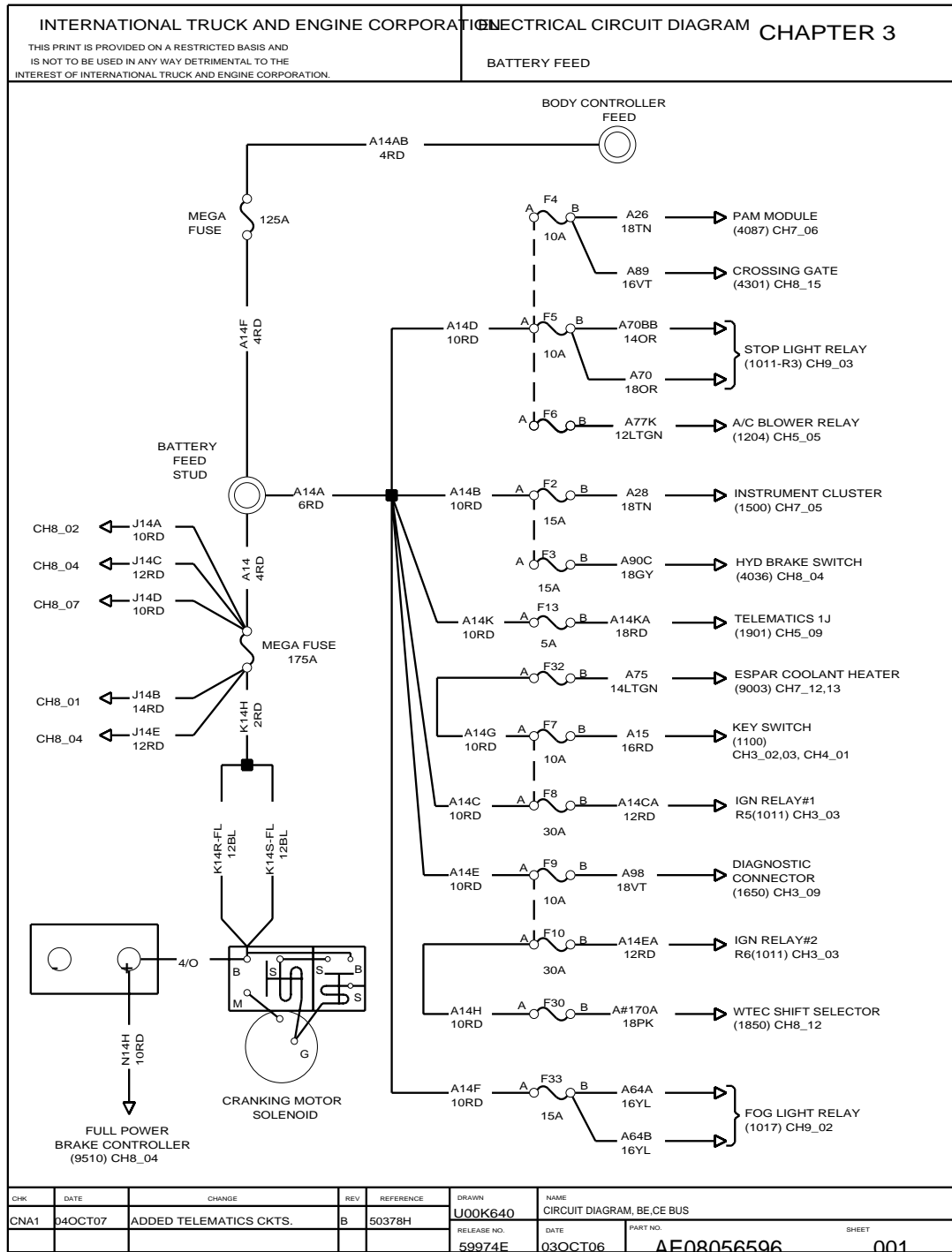


Figure 13 Battery Feed

[illegible]

S08329

3.3. IGNITION FEED, P. 3

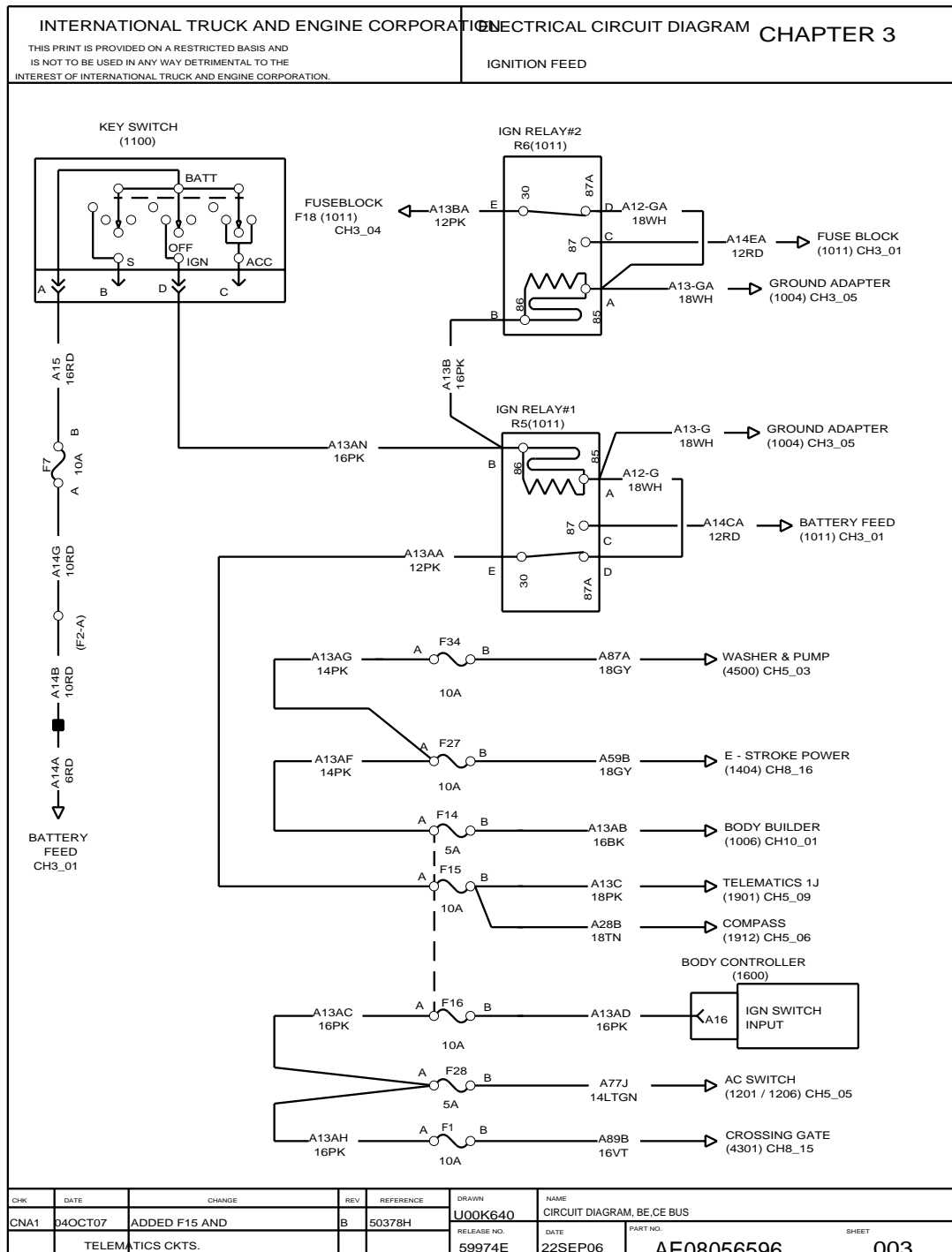


Figure 15 Ignition Feed

3.4. IGNITION FEED, P. 4

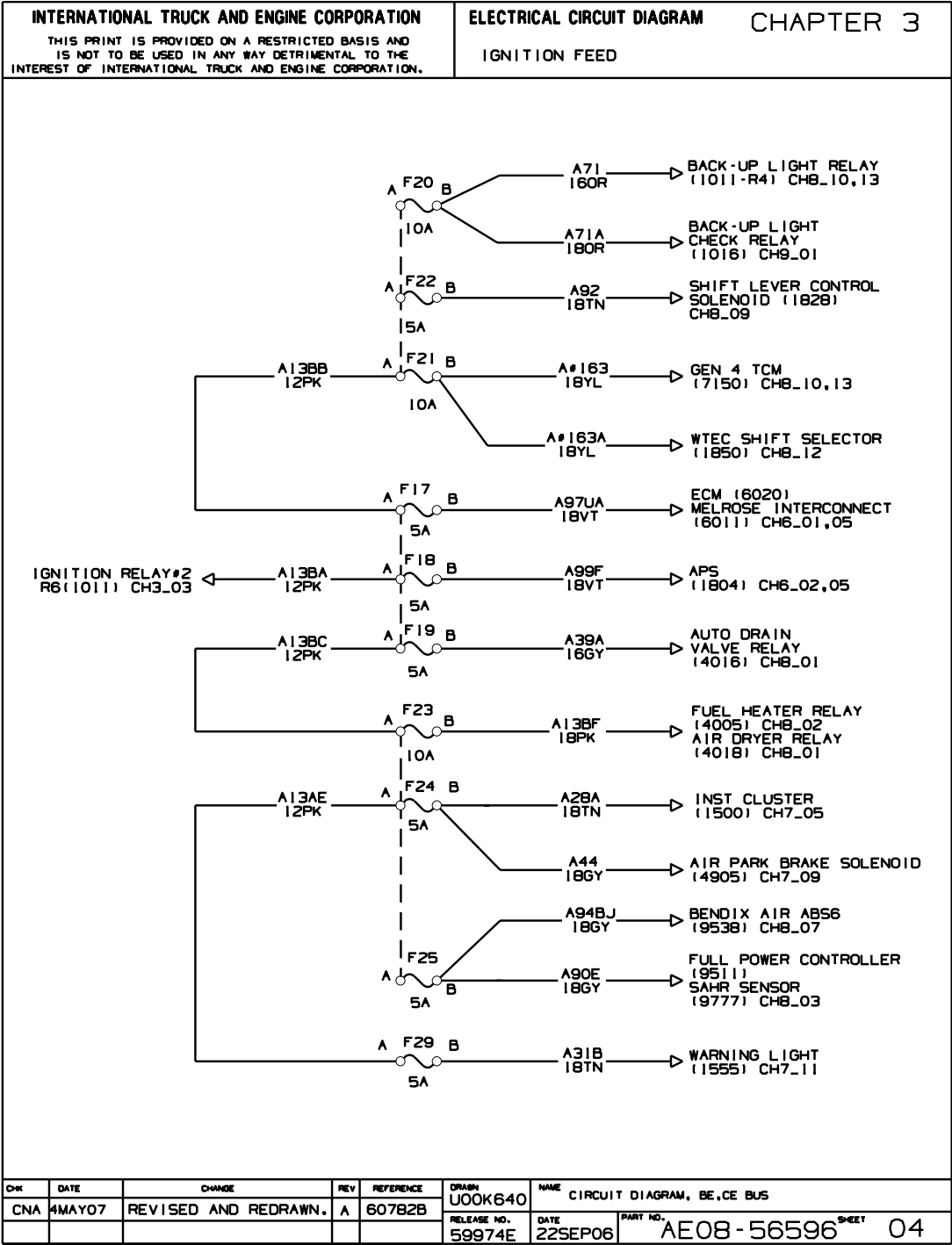


Figure 16 Ignition Feed (Cont.)

3.5. GROUND — PLATFORM, P. 5

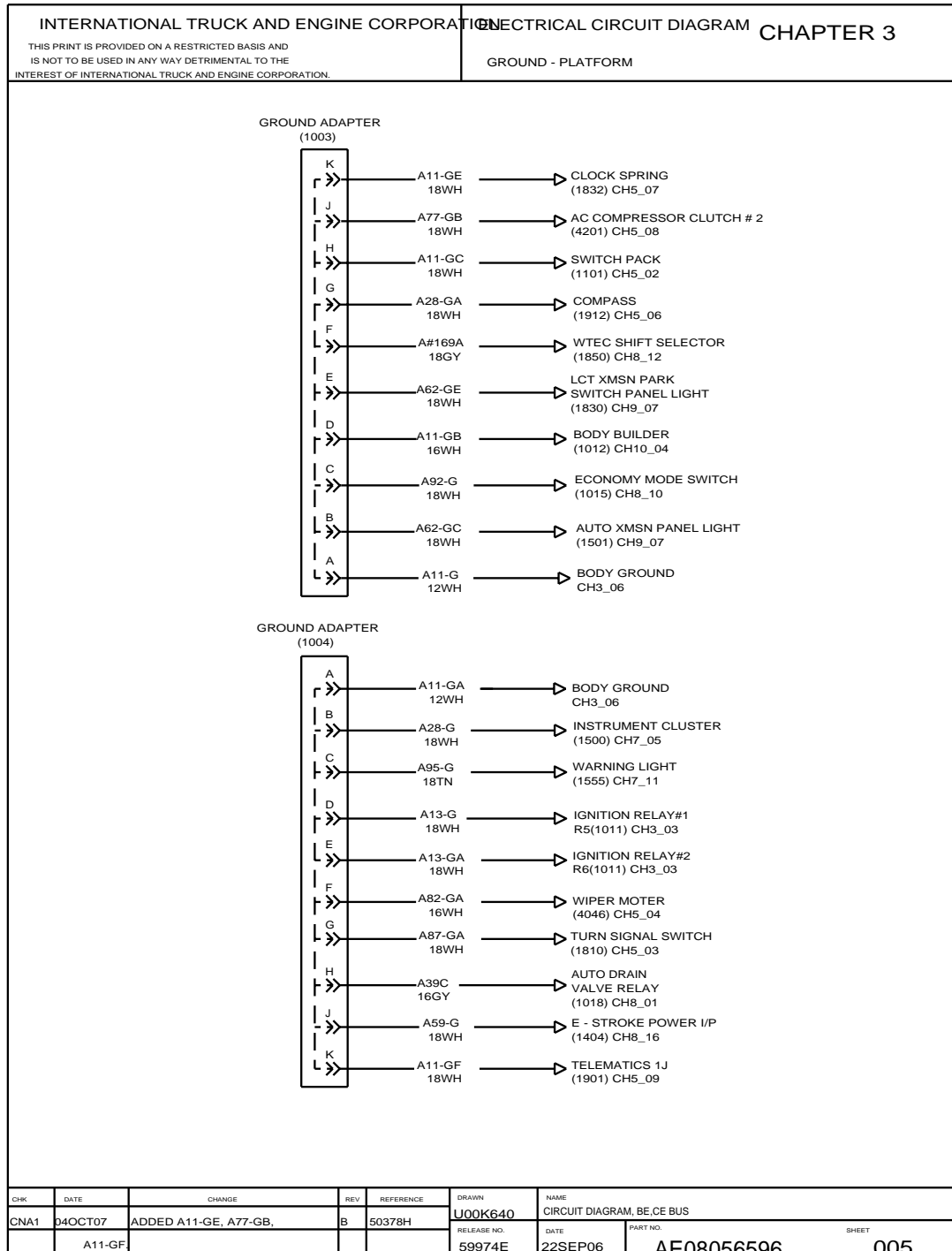


Figure 17 Ground — Platform

3.6. GROUND — PLATFORM, P. 6

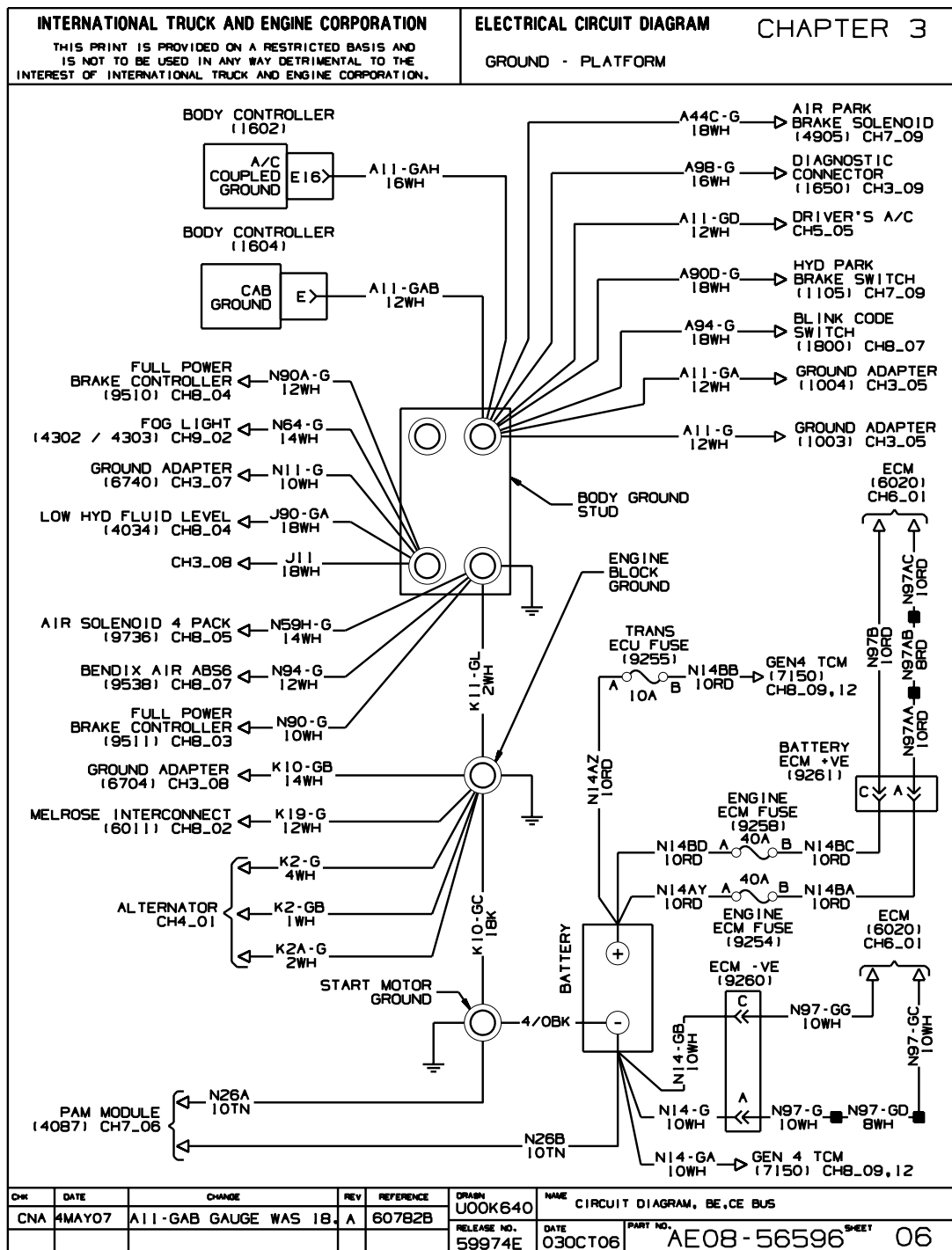


Figure 18 Ground — Platform (Cont.)

3.7. GROUND — CHASSIS, P. 7

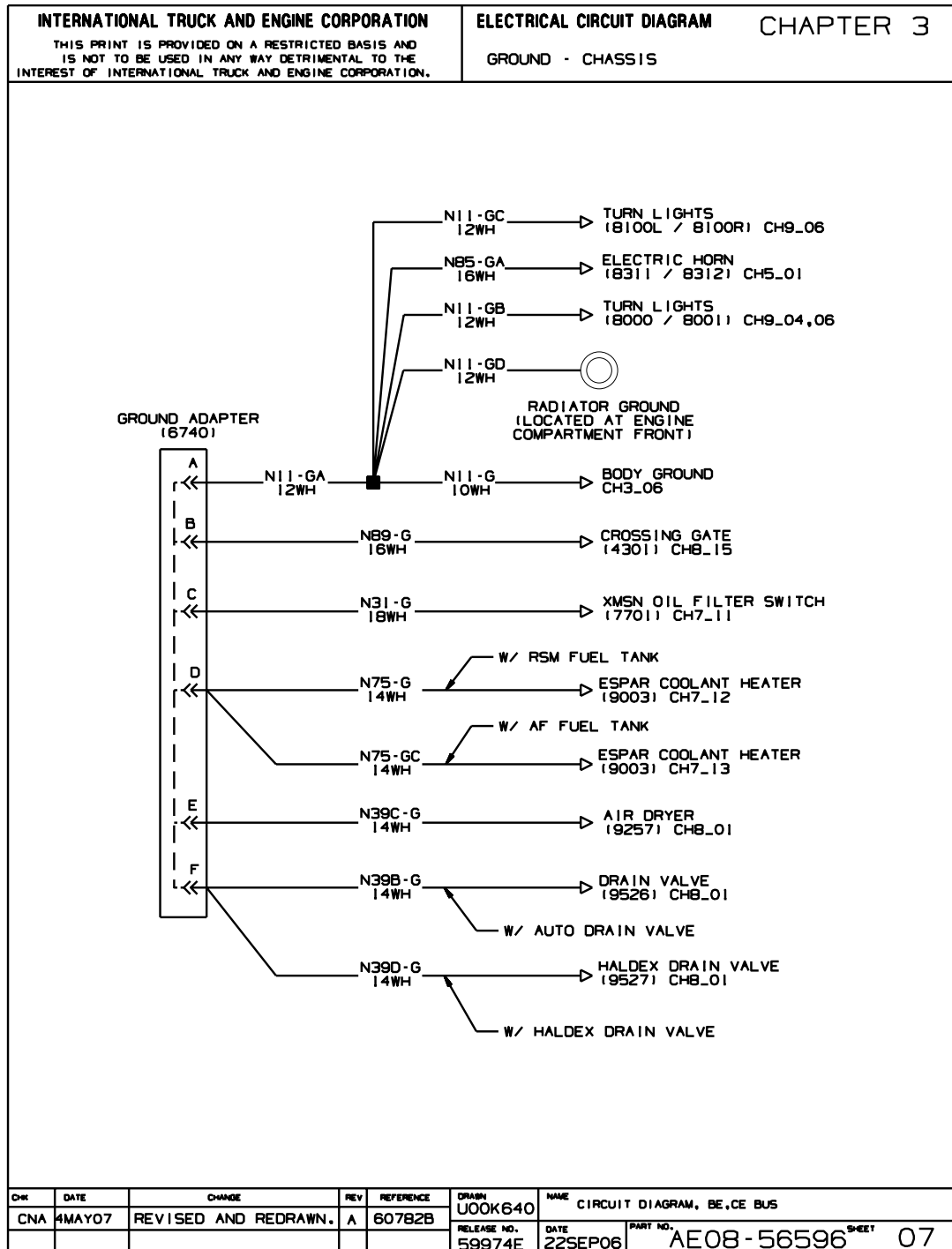
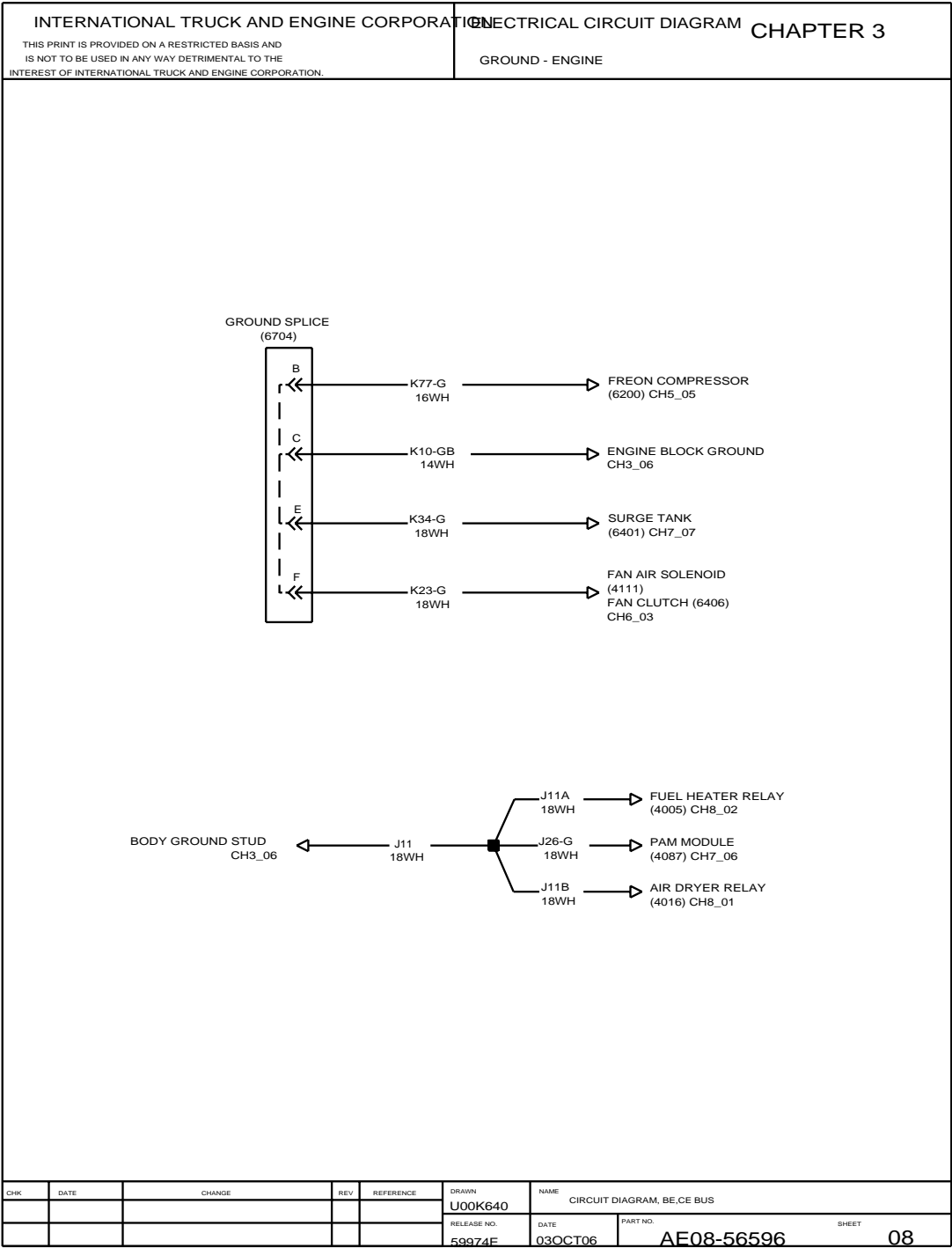


Figure 19 Ground — Chassis

3.8. GROUND — ENGINE, P. 8



3.9. J1939 DATA LINK — PLATFORM AND DIAGNOSTIC CONNECTOR, P. 9

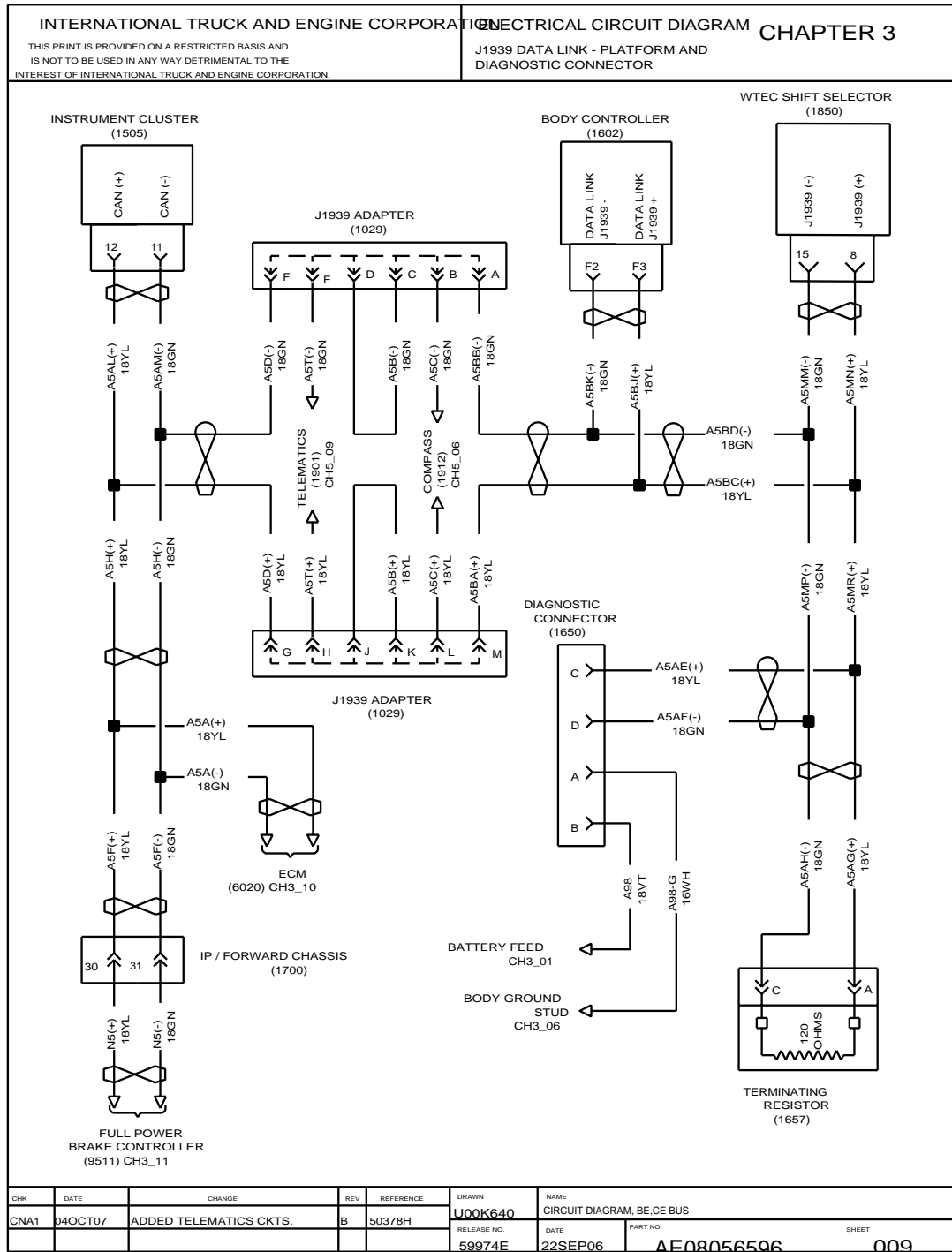


Figure 21 J1939 Data Link — Platform and Diagnostic Connector

3.10. J1939 DATA LINK — ENGINE, P. 10

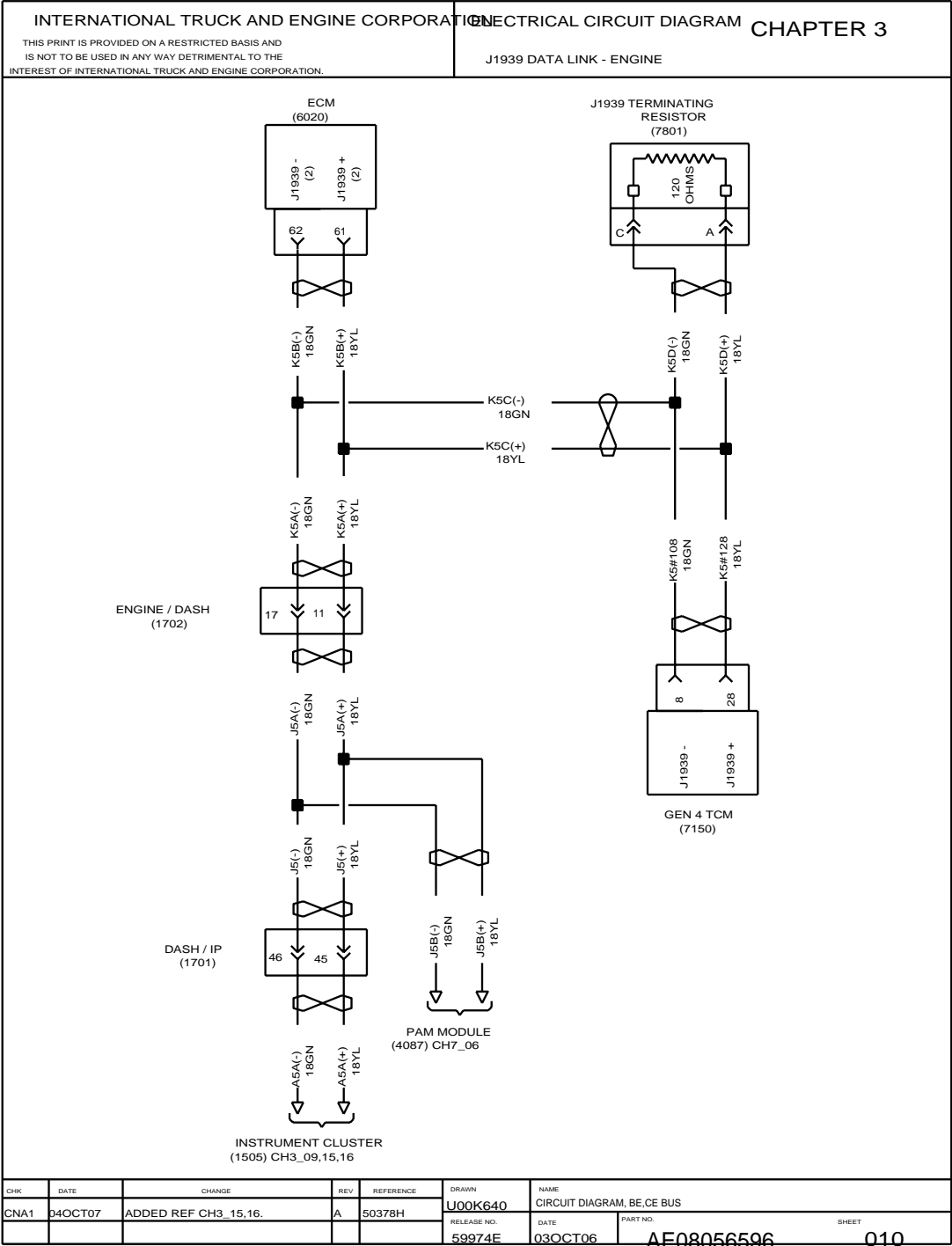


Figure 22 J1939 Data Link — Engine

3.11. J1939 DATA LINK — CHASSIS, P. 11

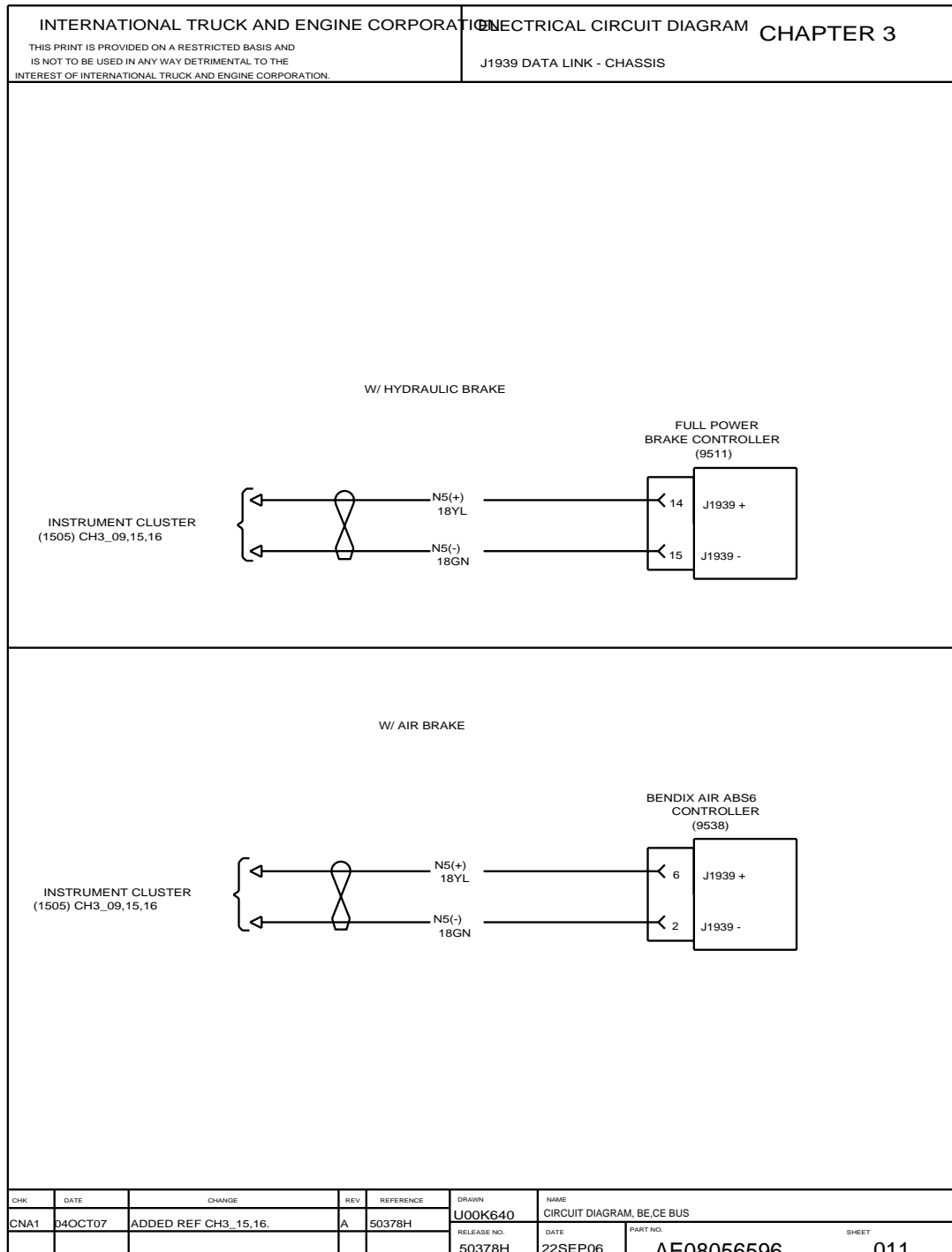


Figure 23 J1939 Data Link — Chassis

3.12. J1708 DATALINK BASIC, P. 12

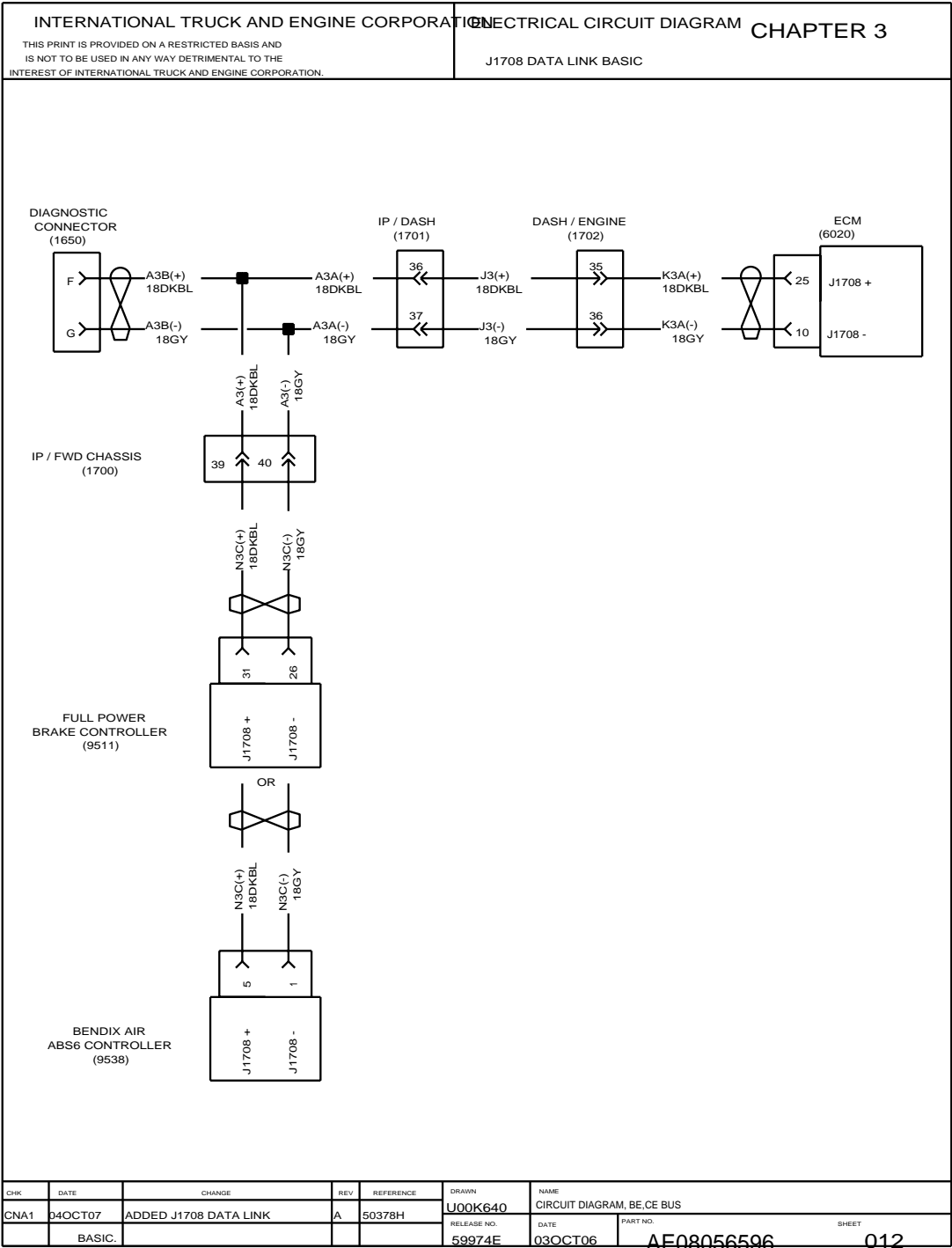


Figure 24 J1708 Datalink Basic

3.13. ZERO VOLT REFERENCE, P. 13

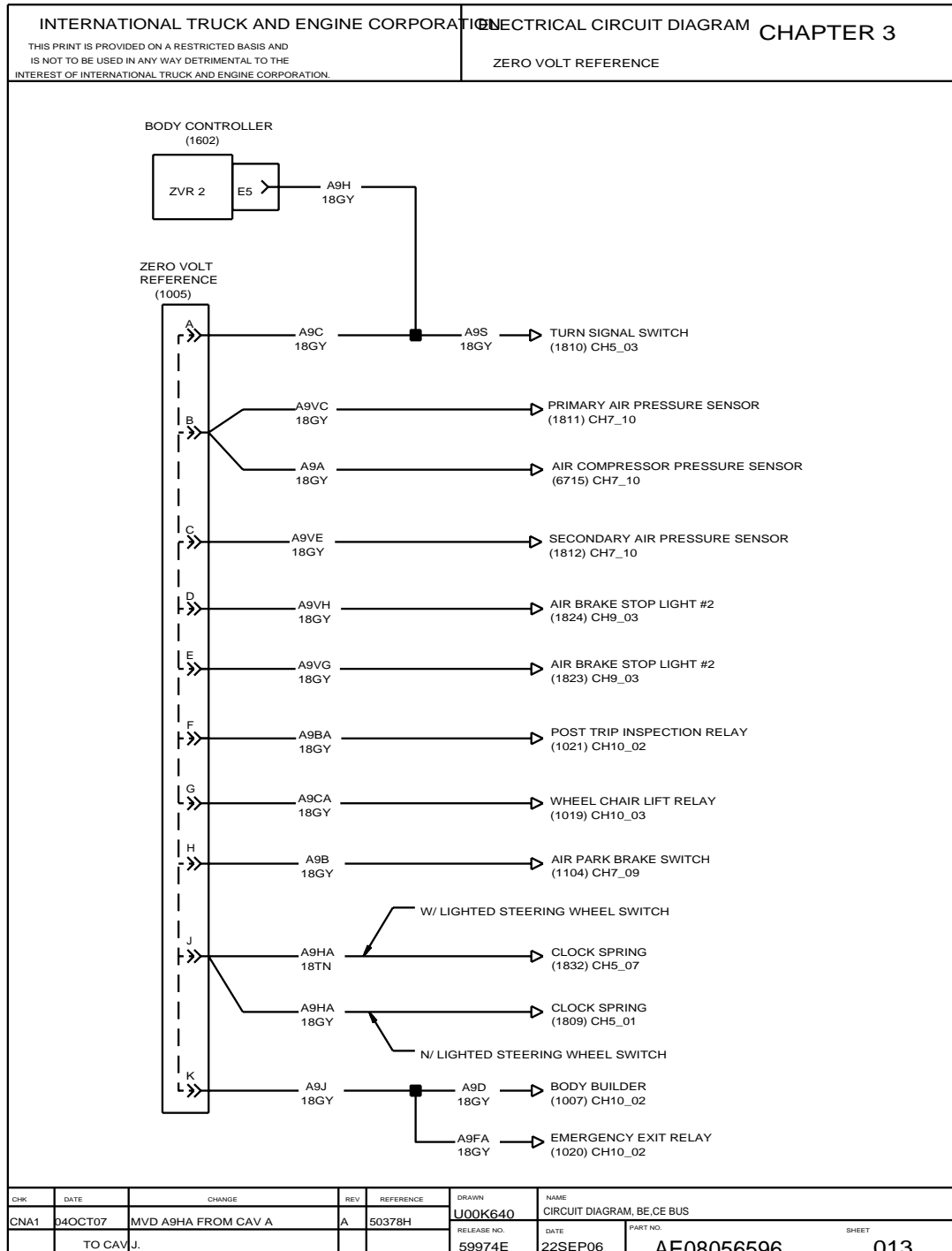
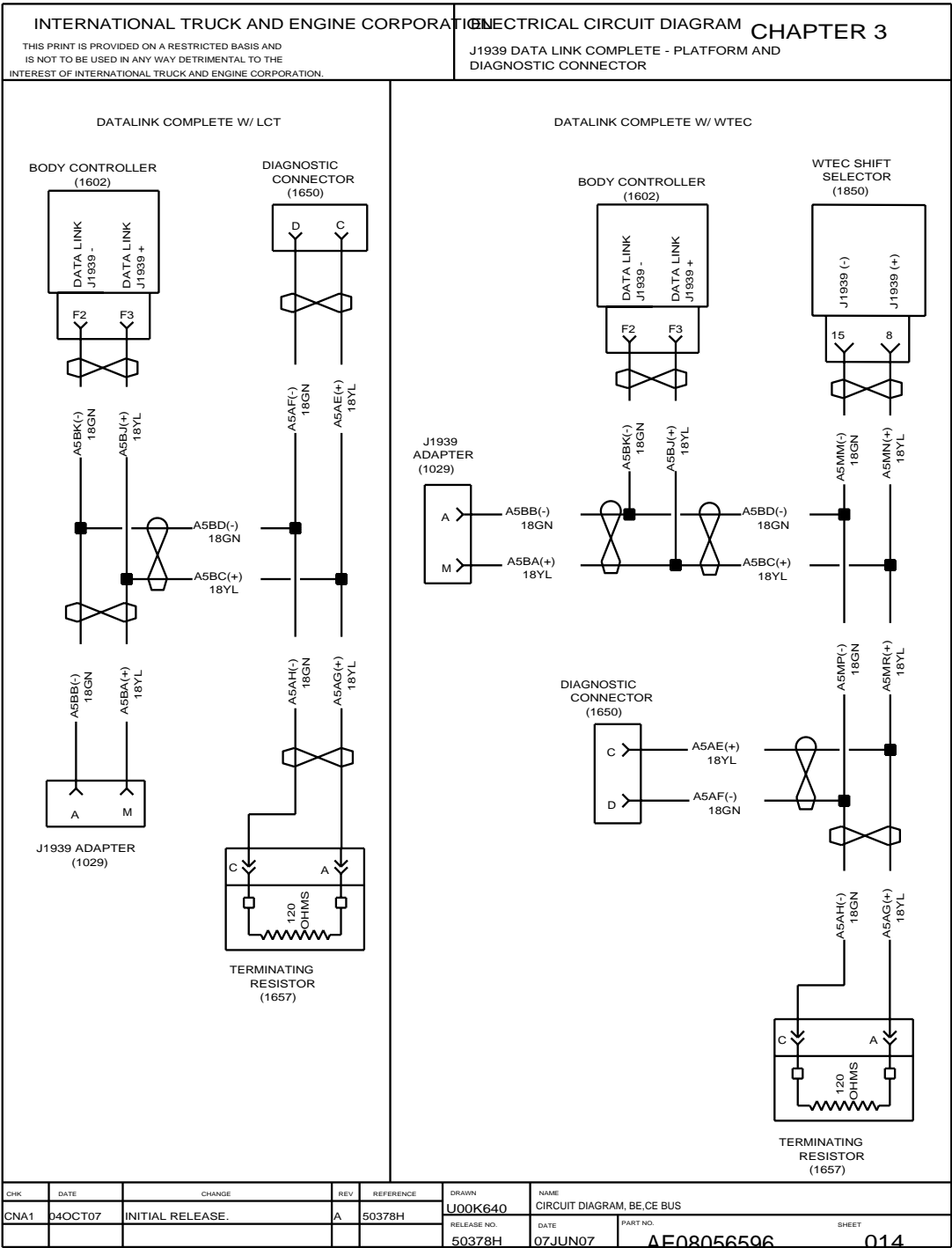


Figure 25 Zero Volt Reference

3.14. J1939 DATA LINK COMPLETE — PLATFORM AND DIAGNOSTIC CONNECTOR, P. 14



3.15. J1939 DATA LINK BASIC — PLATFORM AND DIAGNOSTIC CONNECTOR W/ LCT, P. 15

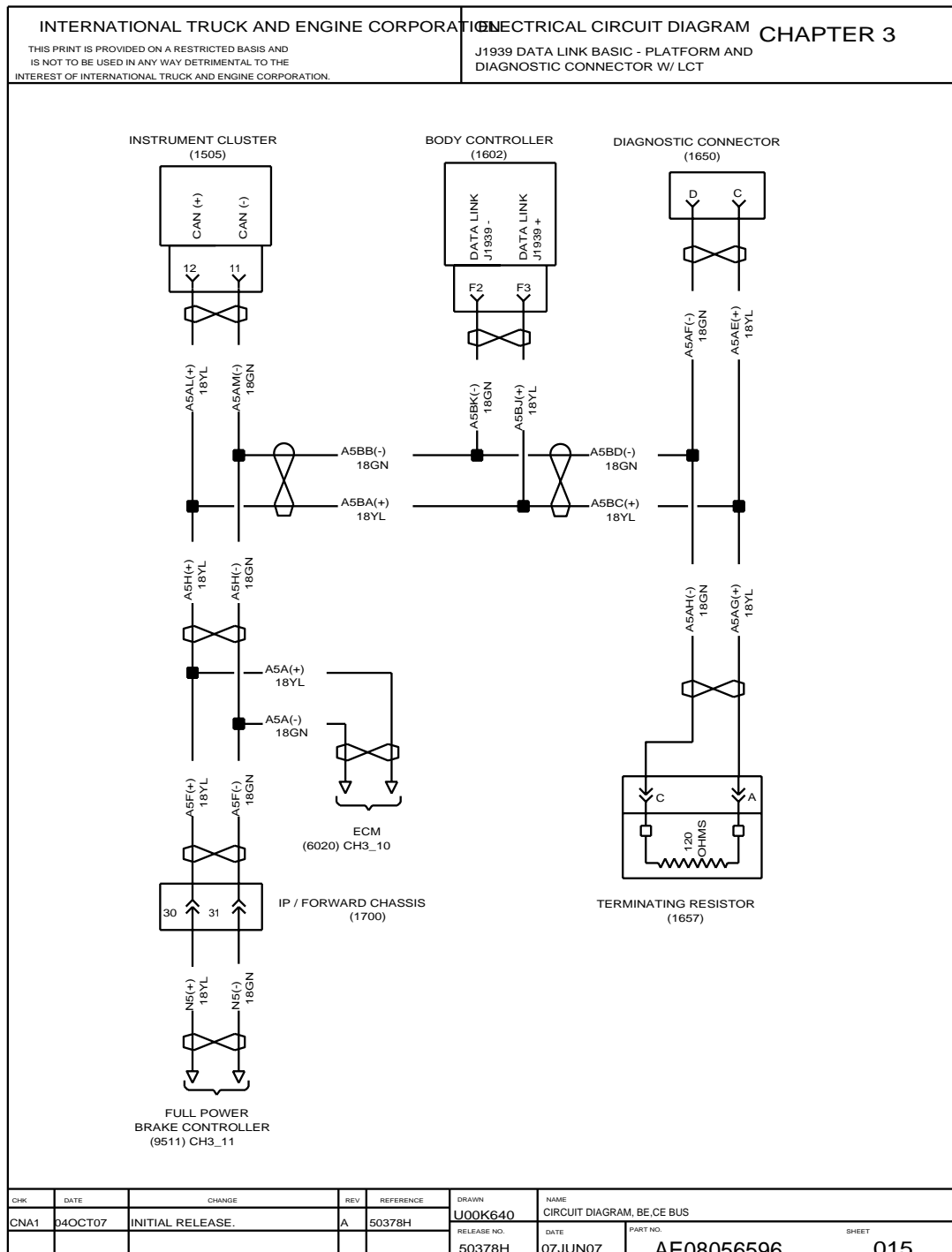


Figure 27 J1939 Data Link Basic — Platform and Diagnostic Connector w/ LCT

3.16. J1939 DATA LINK BASIC — PLATFORM AND DIAGNOSTIC CONNECTOR W/ WTEC, P. 16

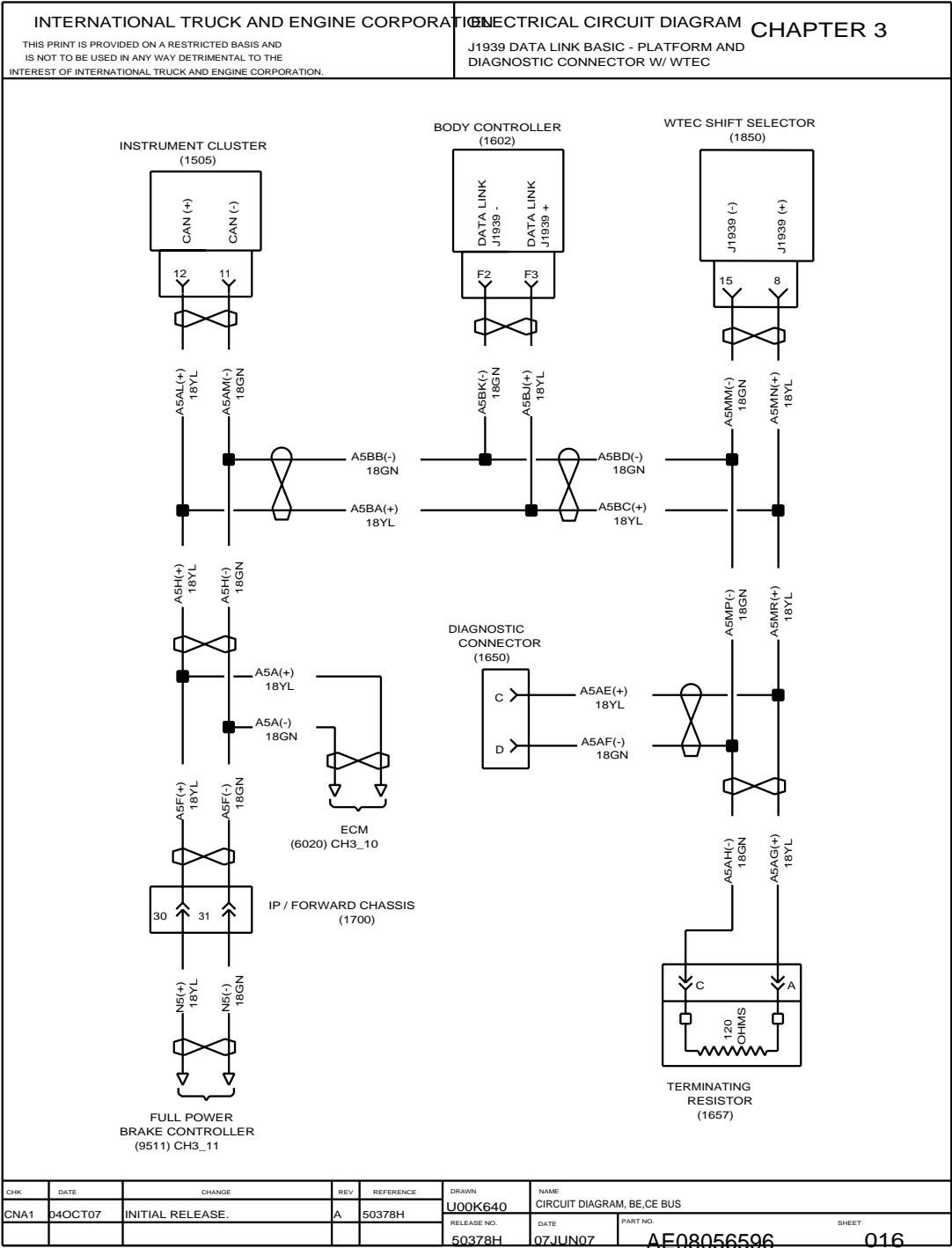


Figure 28 J1939 Data Link Basic — Platform and Diagnostic Connector w/ WTEC

3.17. J1708 DATA LINK COMPLETE, P. 17

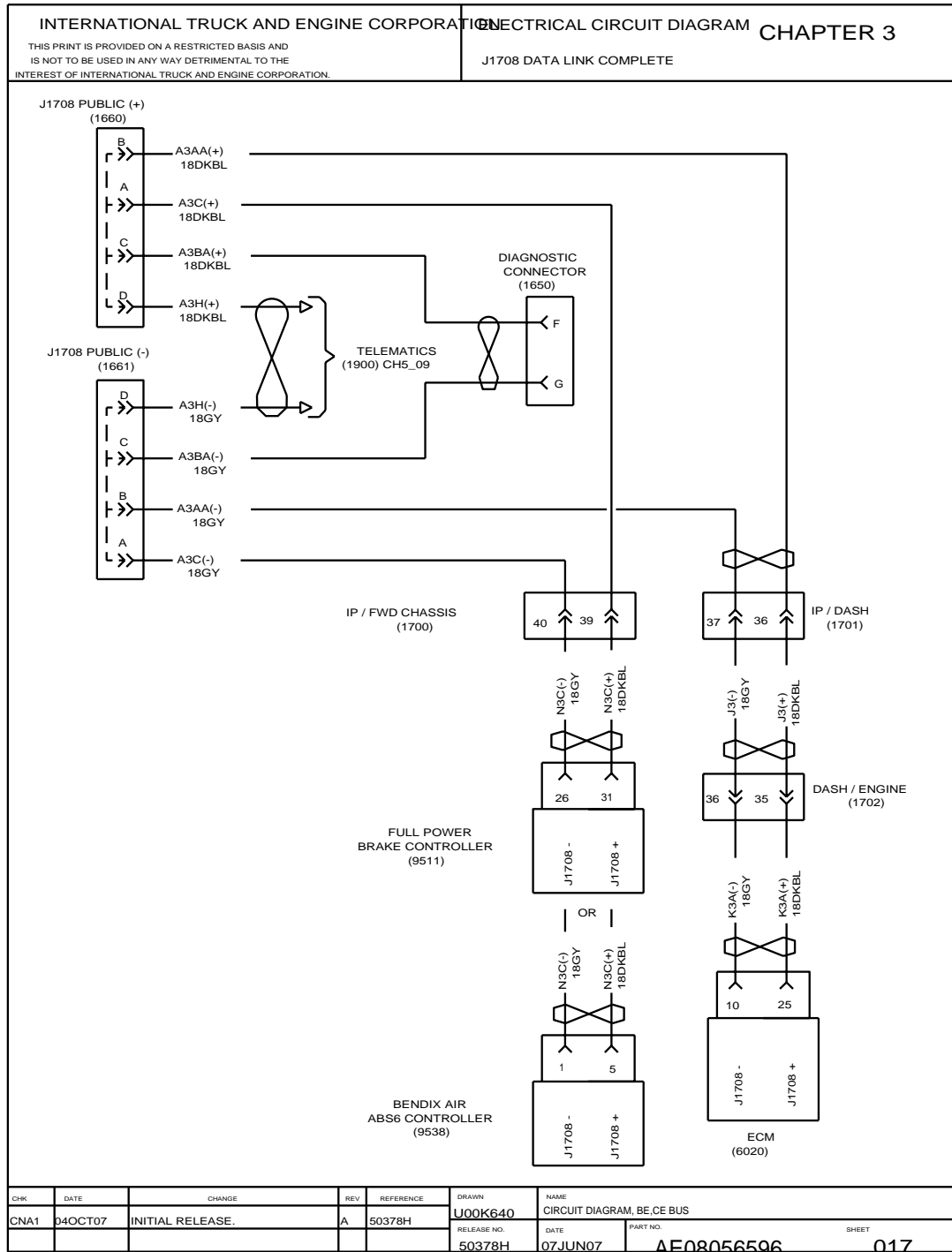


Figure 29 J1708 Data Link Complete

4. CHARGING AND CRANKING SYSTEM (CHAPTER 4)

4.1. CHARGING AND CRANKING — I6 / V8 ENGINE, P. 1

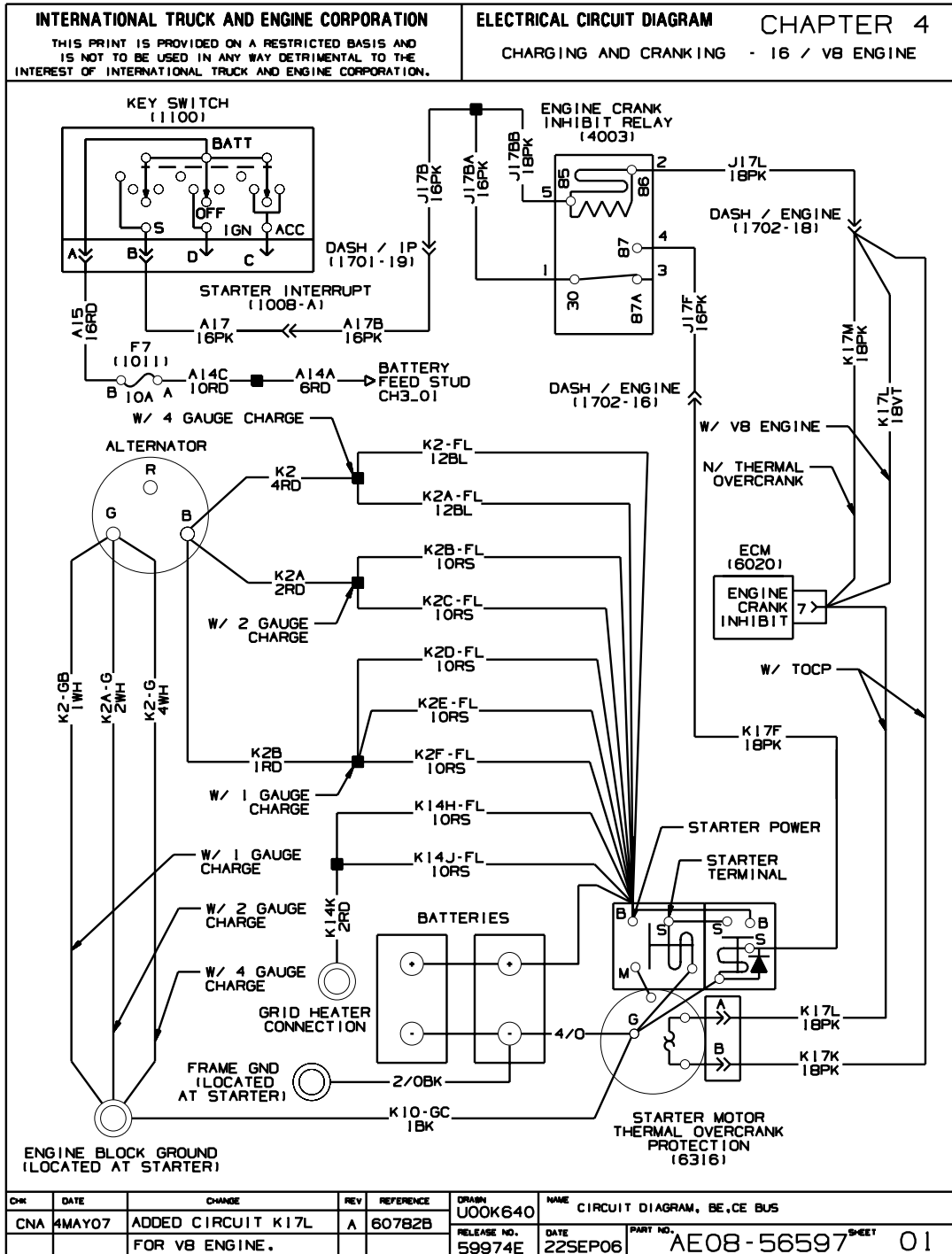


Figure 30 Charging and Cranking — I6 / V8 Engine

5. CAB ACCESSORIES (CHAPTER 5)

5.1. HORN AND STEERING WHEEL SWITCHES, P. 1

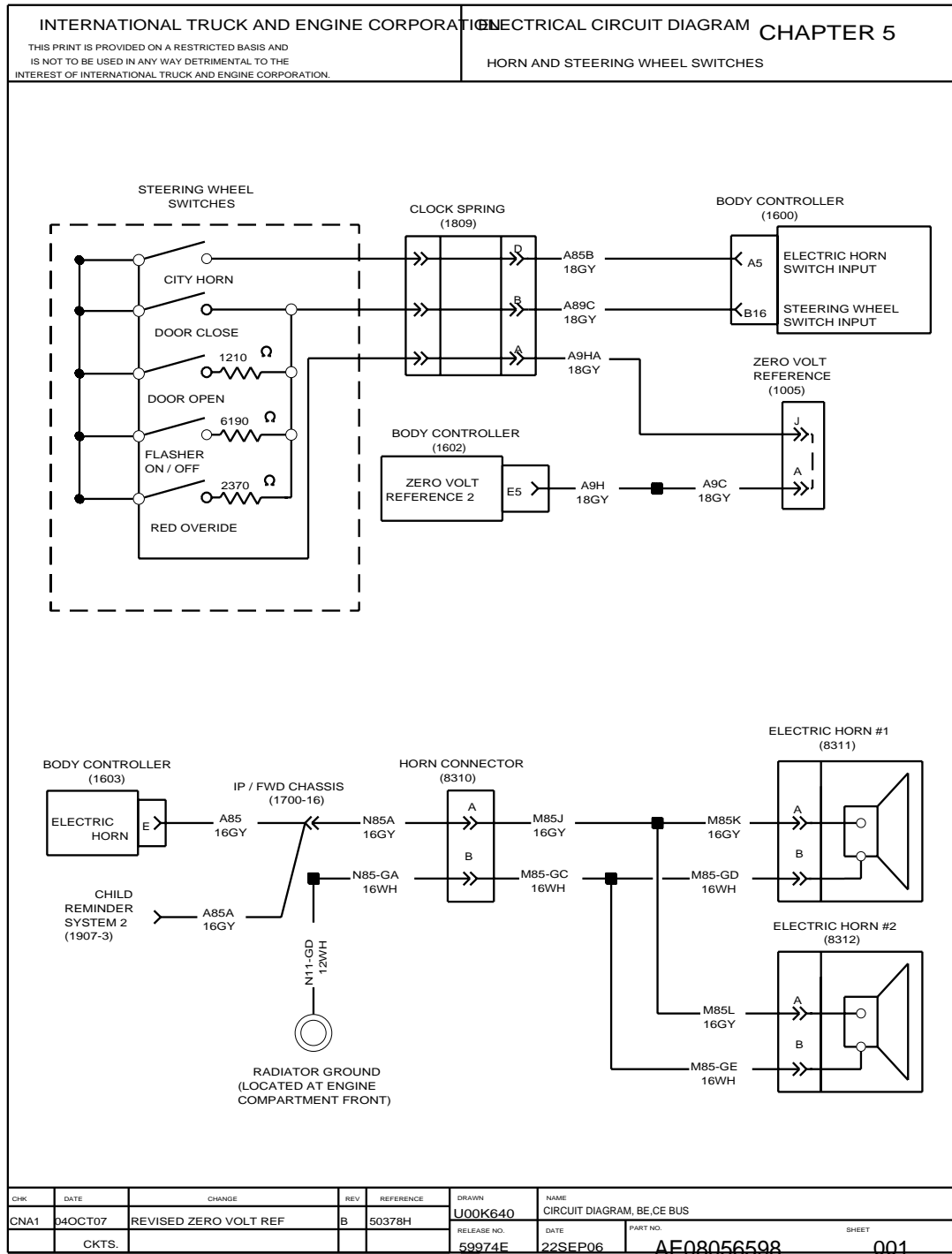


Figure 31 Horn and Steering Wheel Switches

5.2. SWITCH PACK, P. 2

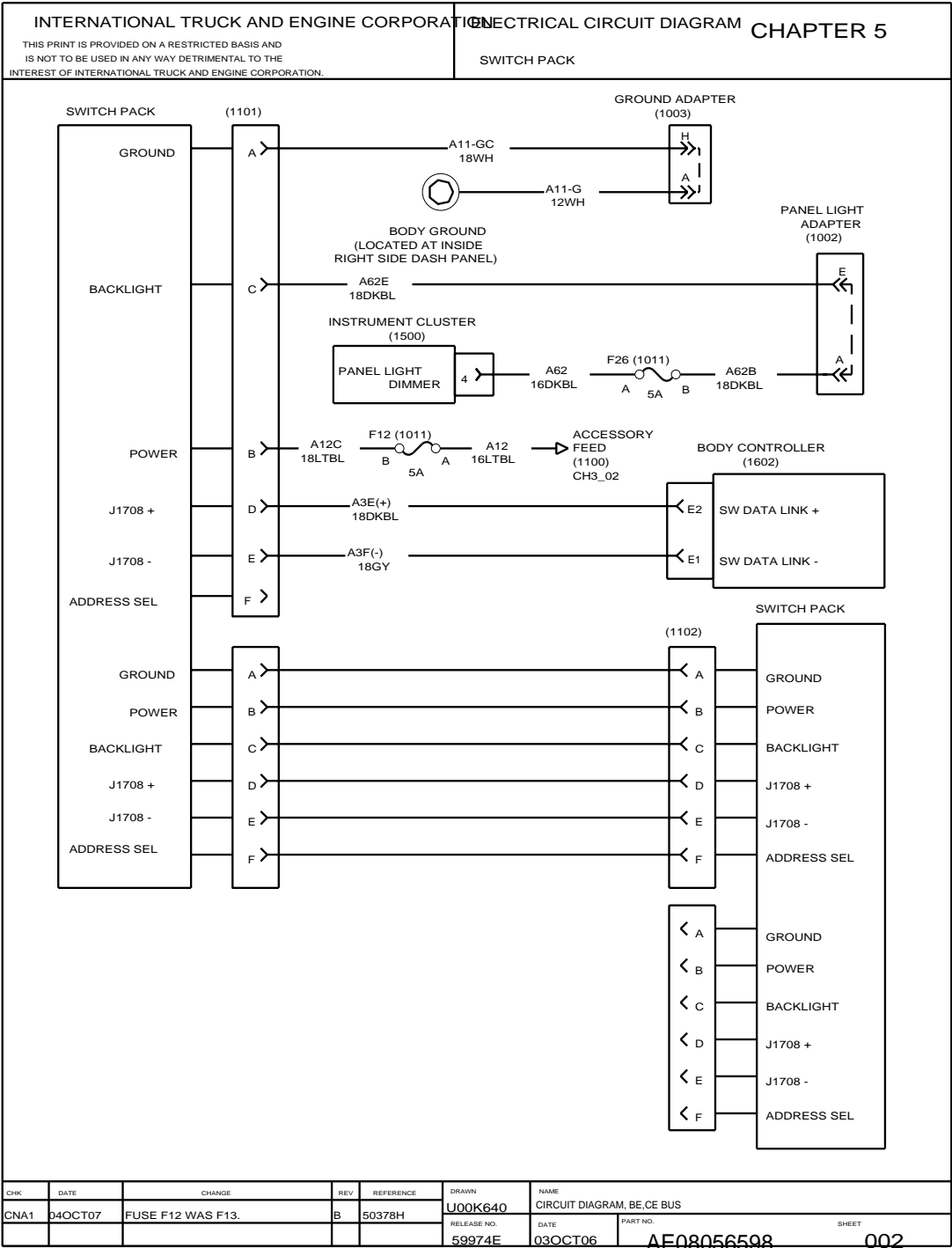


Figure 32 Switch Pack

Figure 33 Windshield Wiper and Washer, High Beam, Flash to Pass and Turn Signal Systems



5.4. WINDSHIELD WIPER AND WASHER, HIGH BEAM, FLASH TO PASS AND TURN SIGNAL SYSTEMS, P. 4

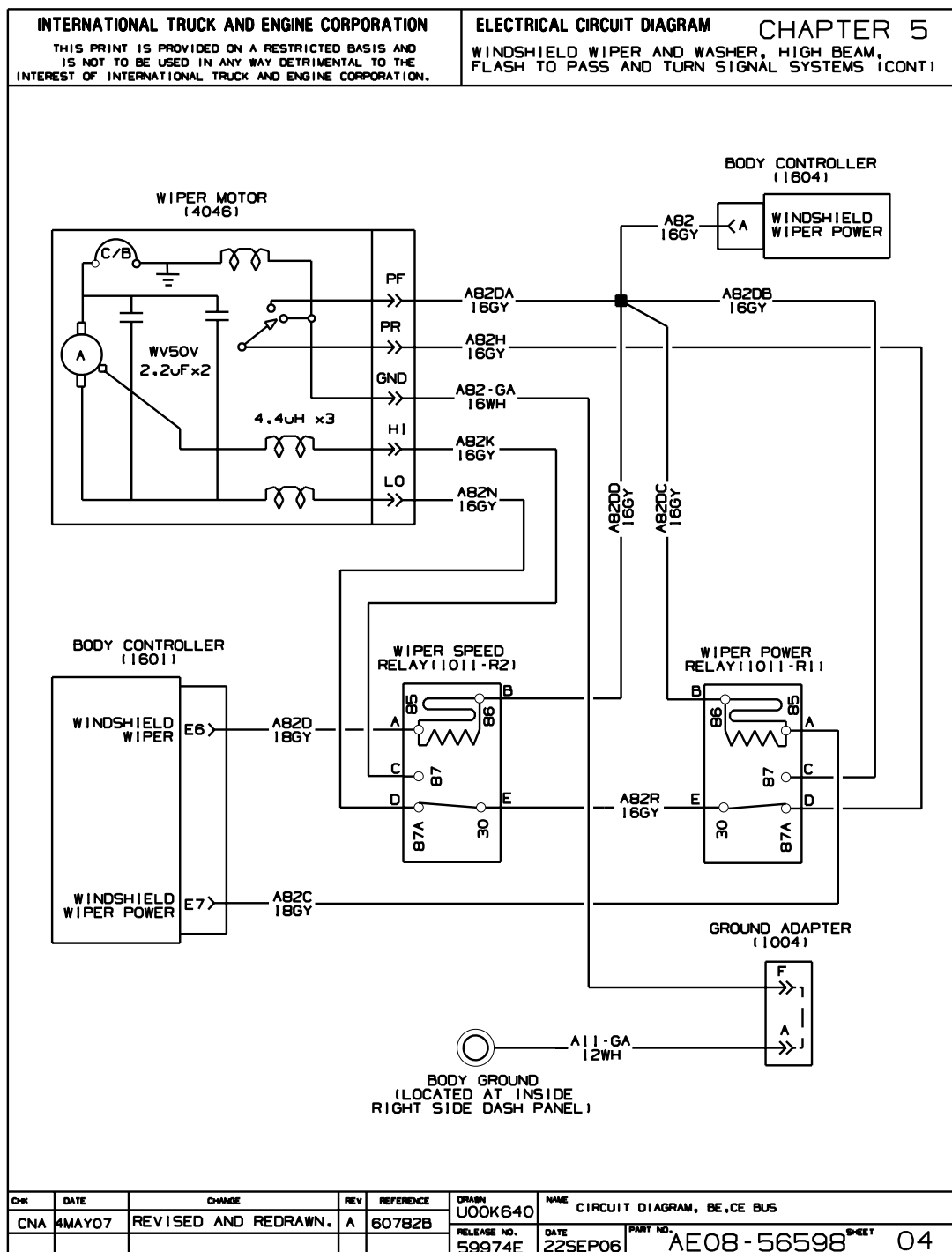


Figure 34 Windshield Wiper and Washer, High Beam, Flash to Pass and Turn Signal Systems

5.5. DRIVER'S AIR CONDITIONING (OPTIONAL), P. 5

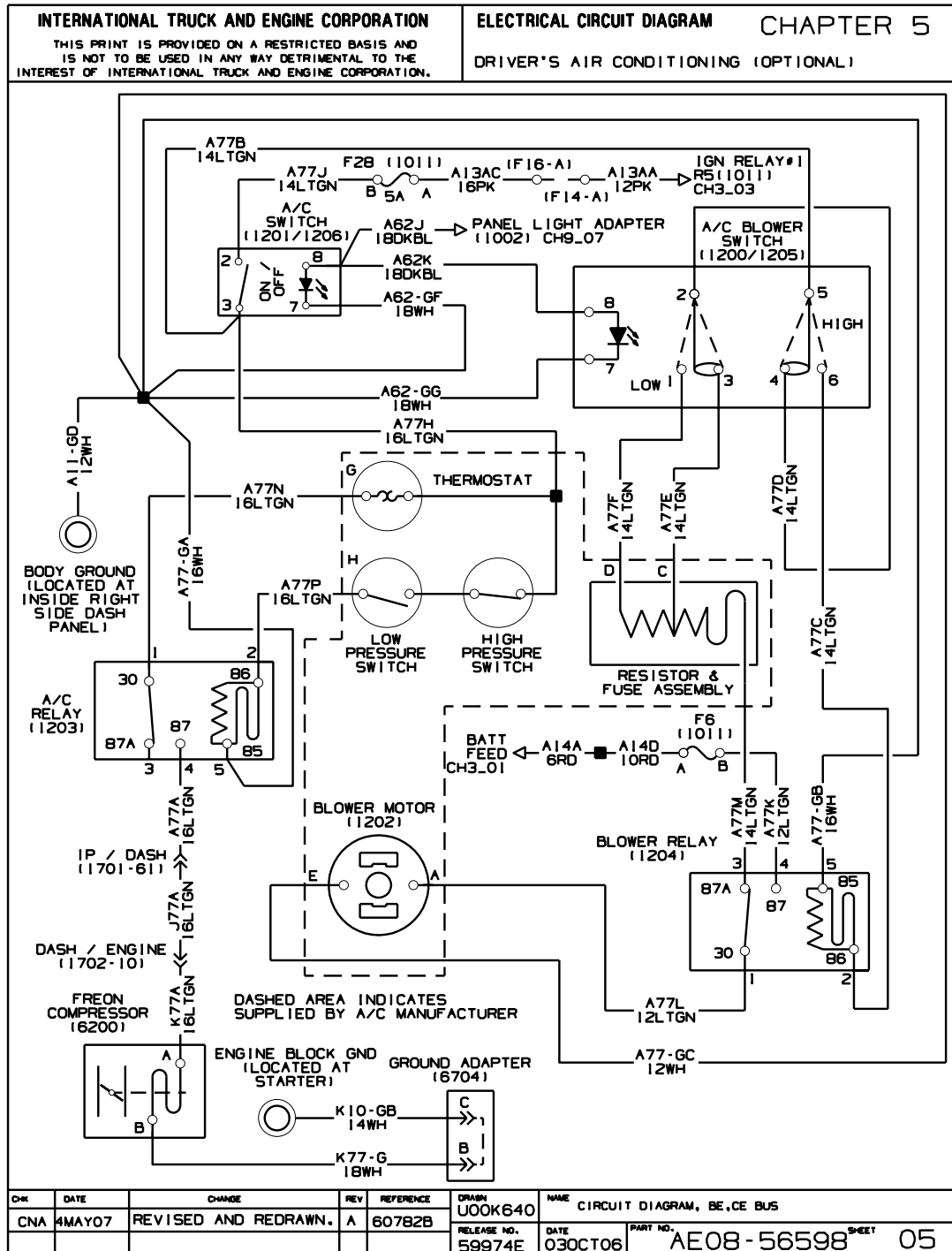


Figure 35 Driver's Air Conditioning (Optional)

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ELECTRICAL CIRCUIT DIAGRAM

CHAPTER 5

COMPASS AND TEMPERATURE DISPLAY

CLUSTER CONNECTOR (1500)

ZVR

IP / FORWARD CHASSIS (1700)

CLUSTER CONNECTOR (1505)

OUTSIDE TEMP (AIN3)

AIR TEMP RESISTOR (1028)

W/ AMBIENT TEMP RESISTOR

TEMP SENDER (8601)

COMPASS (1912)

IGNITION

J1939 +

J1939 -

GROUND

F15 (1011)

A28B 18TN

A5C(+) 18YL

A5C(-) 18GN

A28-GA 18WH

A13AA 12PK

IGN RELAY#1 R5(1011) CH3_03

CH3_09

GROUND ADAPTER (1003)

A11-G 12WH

BODY GROUND (LOCATED AT INSIDE RIGHT SIDE DASH PANEL)

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
CNA1	04OCT07	ADDED AIR TEMP	A	50378H	U00K640	CIRCUIT DIAGRAM, BE, CE BUS
		RESISTOR.			60782B	26MAR07
						AE08056508

006

SHEET

Figure 36 Compass and Temperature Display

5.7. LIGHTED STEERING WHEEL SWITCHES, P. 7

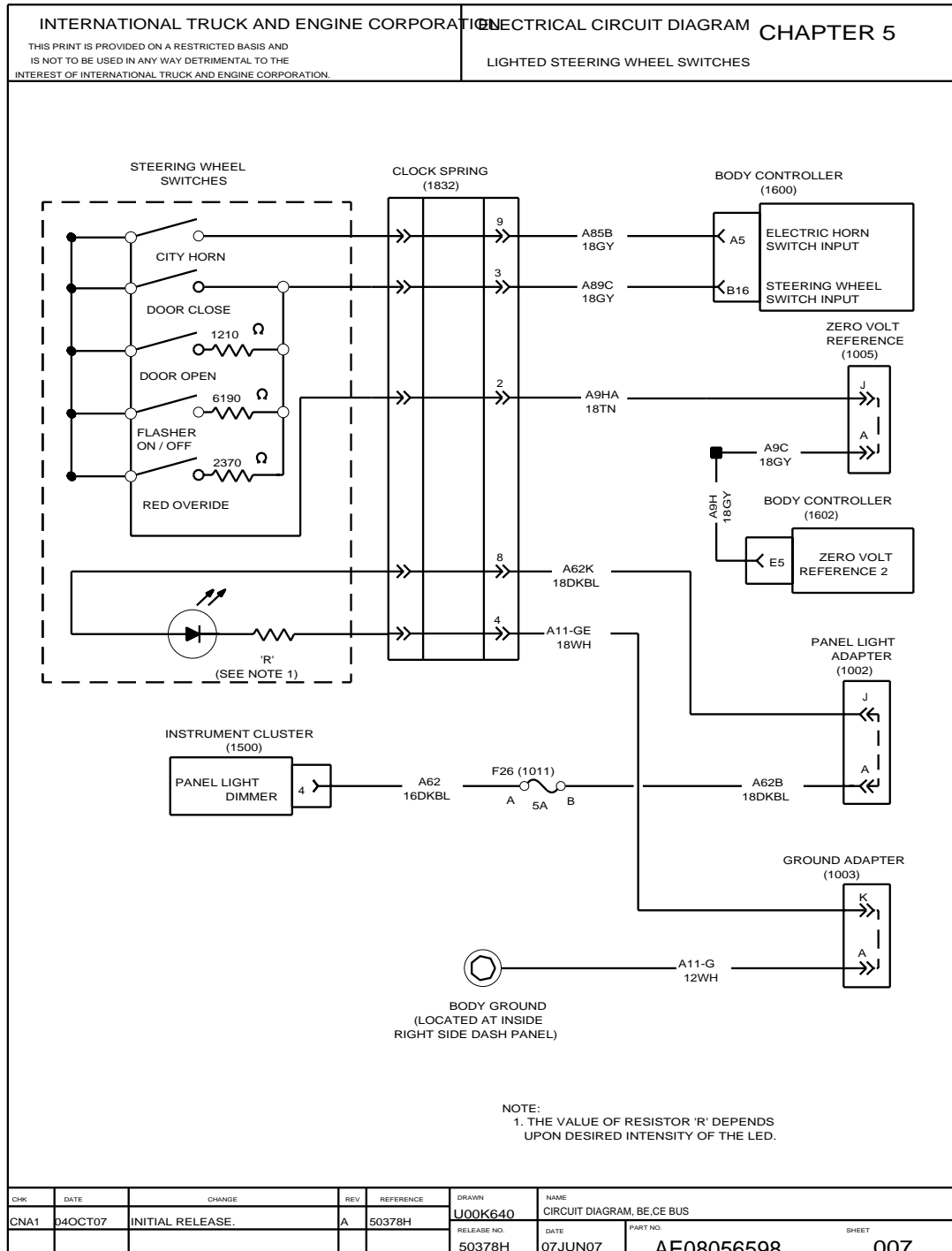


Figure 37 Lighted Steering Wheel Switches

5.8. AC COMPRESSOR CONTROL, P. 8

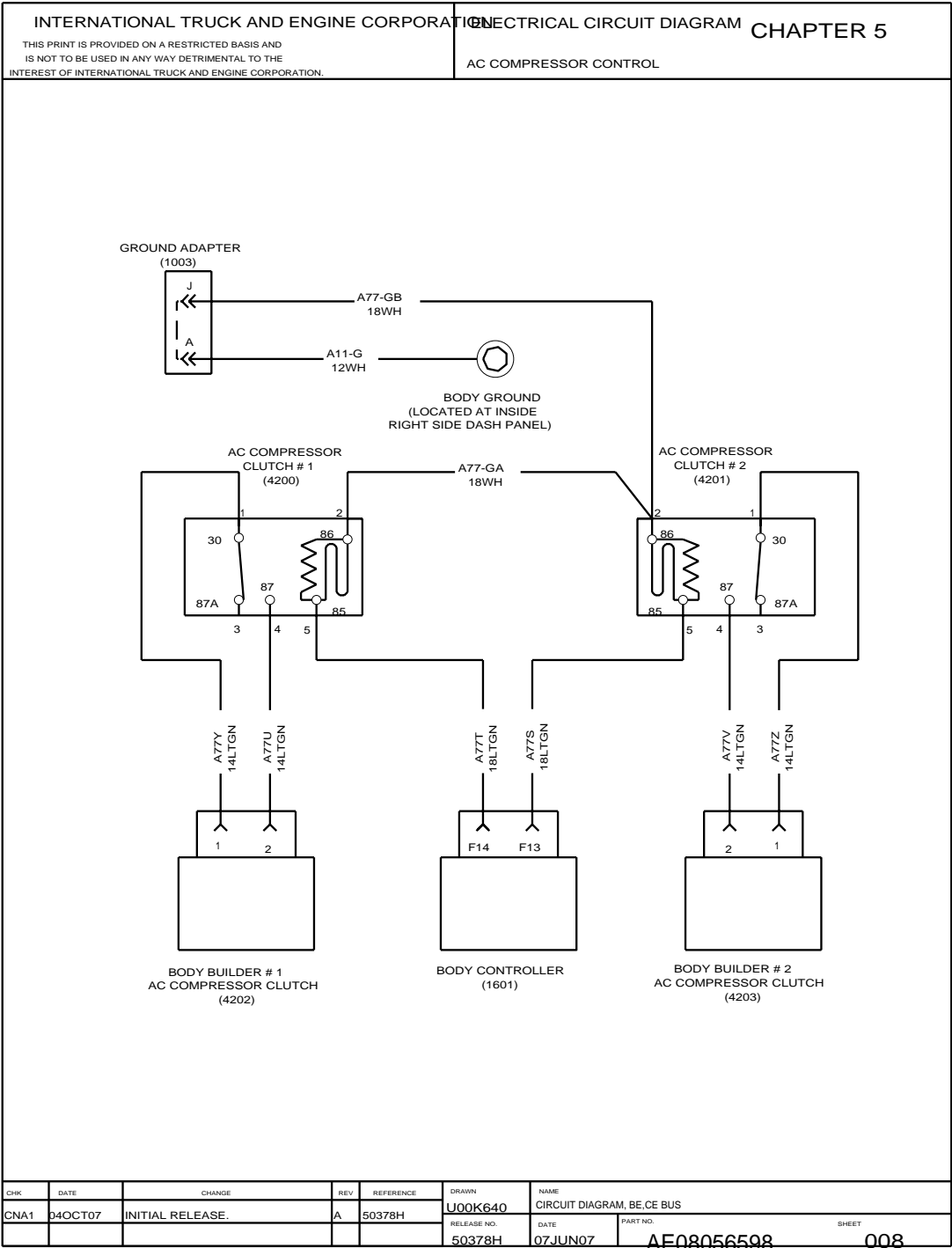


Figure 38 AC Compressor Control

5.9. TELEMATICS SYSTEM, P. 9

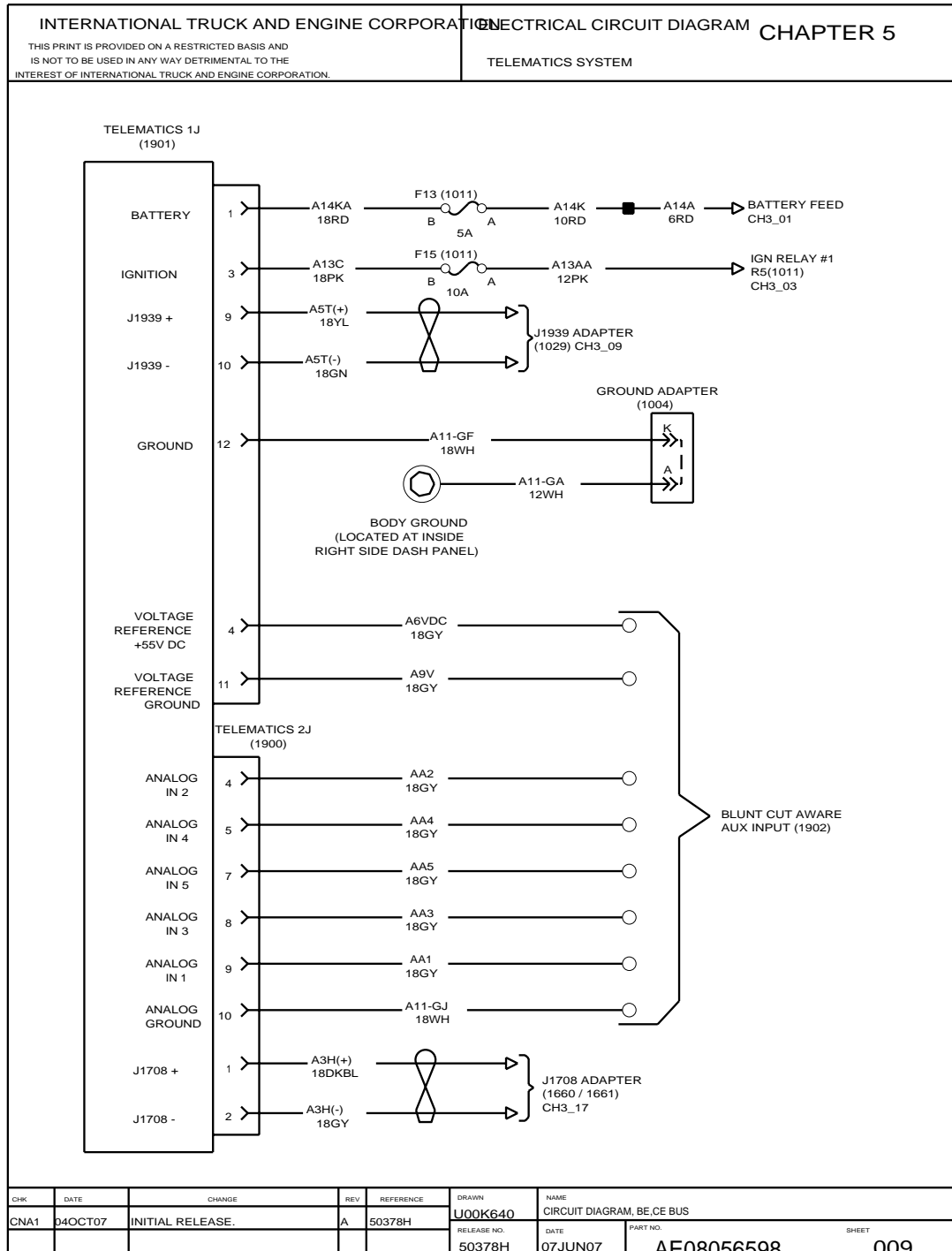


Figure 39 Telematics System

6. ENGINE ELECTRONICS (CHAPTER 6)

6.1. ELECTRONIC ENGINE CONTROLS — I6 ENGINE, P. 1

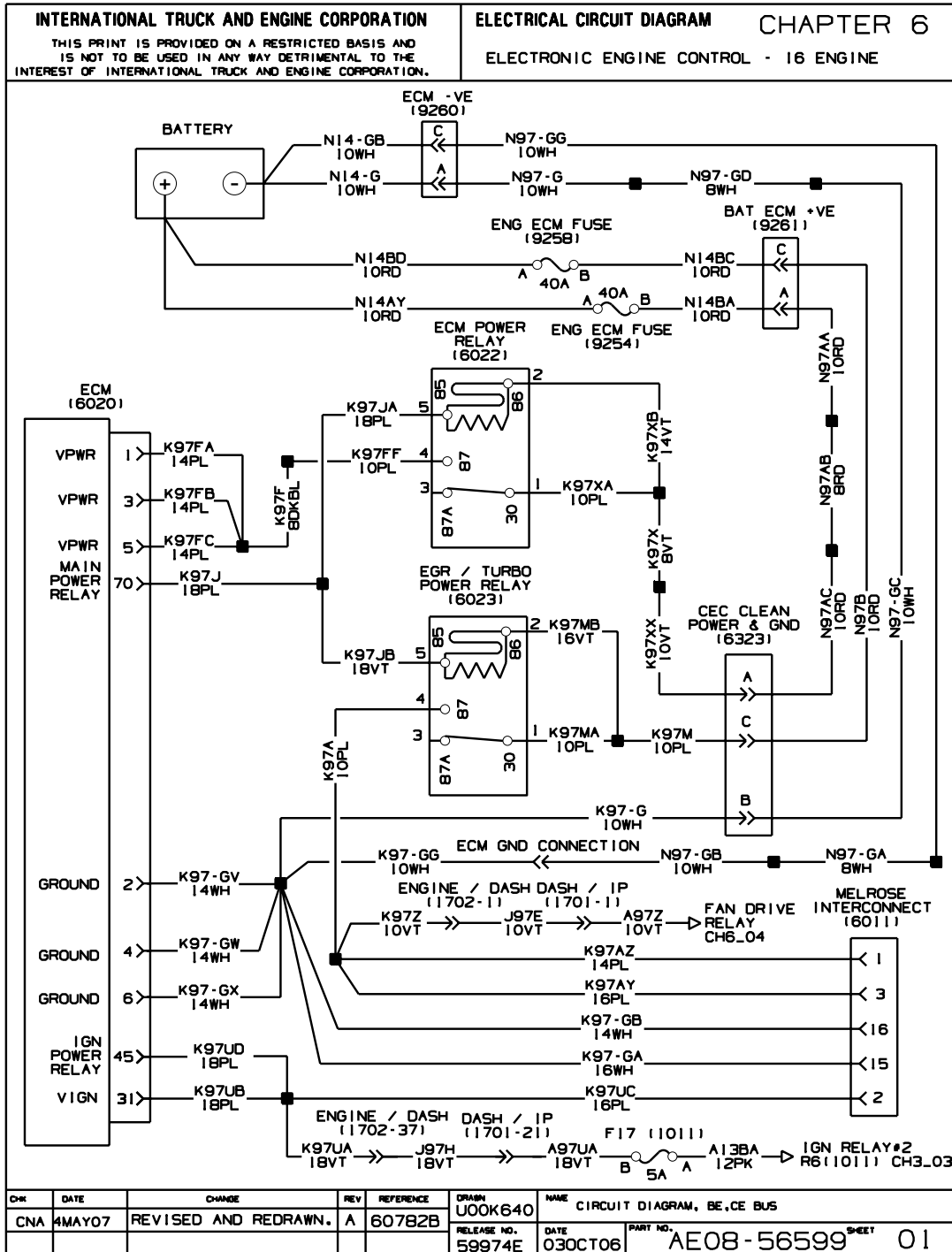


Figure 40 Electronic Engine Controls — I6 Engine

6.2. ELECTRONIC ENGINE CONTROLS — I6 ENGINE, P. 2

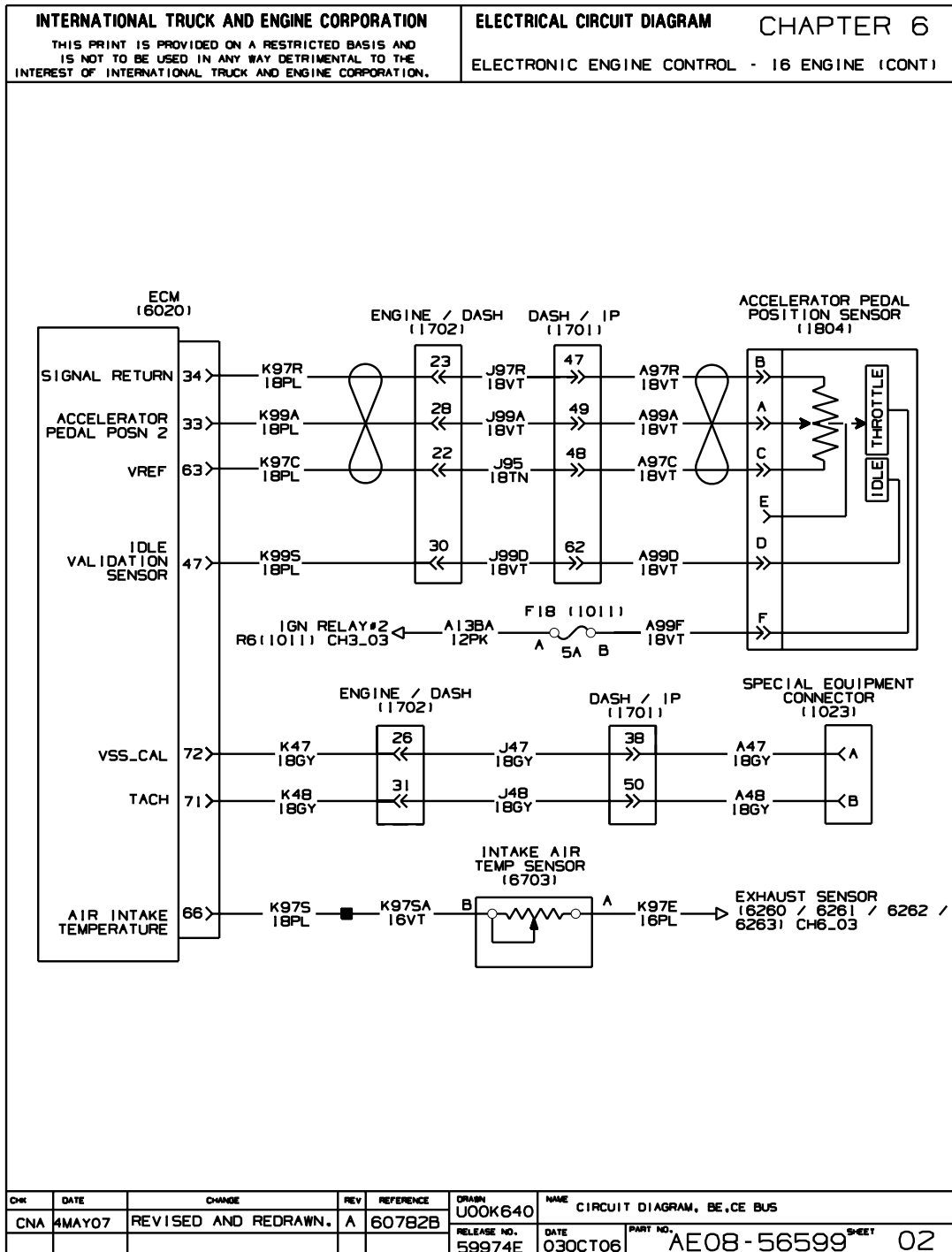


Figure 41 Electronic Engine Controls — I6 Engine (Cont.)

6.3. ELECTRONIC ENGINE CONTROLS — I6 ENGINE, P. 3

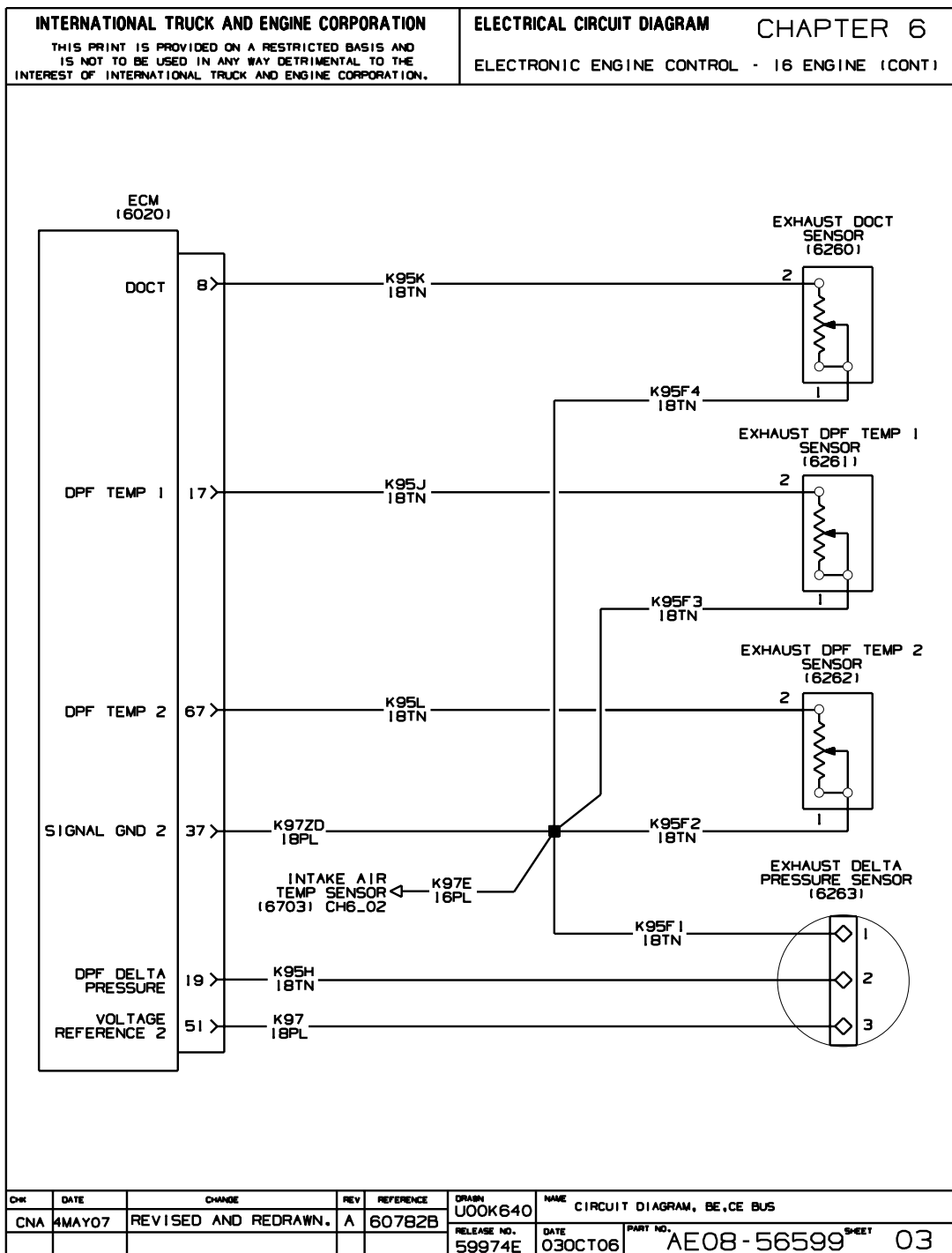


Figure 42 Electronic Engine Controls — I6 Engine (Cont.)

6.4. FAN AND SHUTTER WIRING (OPTIONAL), P. 4

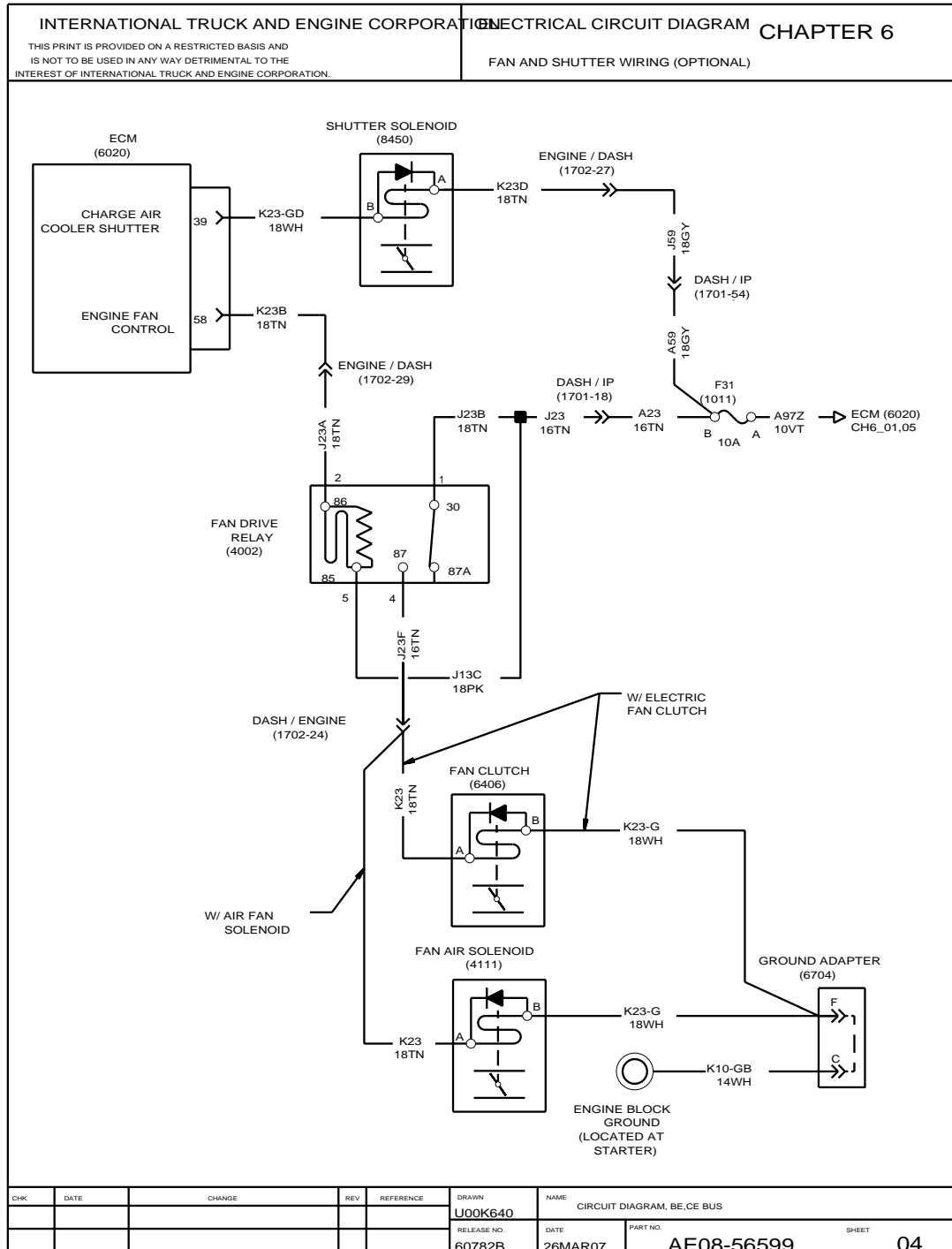


Figure 43 Fan and Shutter Wiring

6.5. ELECTRONIC ENGINE CONTROLS — V8 ENGINE, P. 5

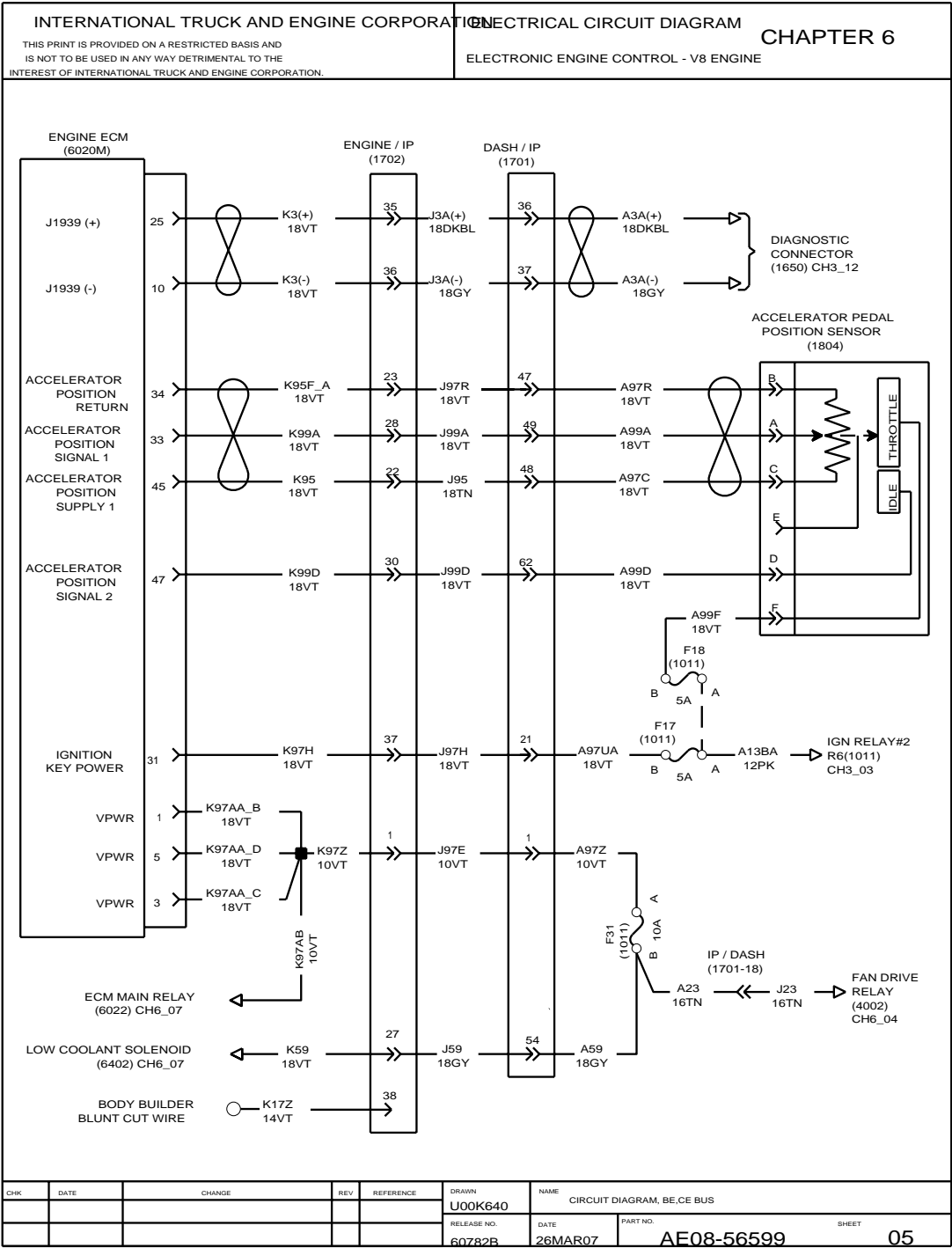


Figure 44 Electronic Engine Controls — V8 Engine

6.6. ELECTRONIC ENGINE CONTROLS — V8 ENGINE, P. 6

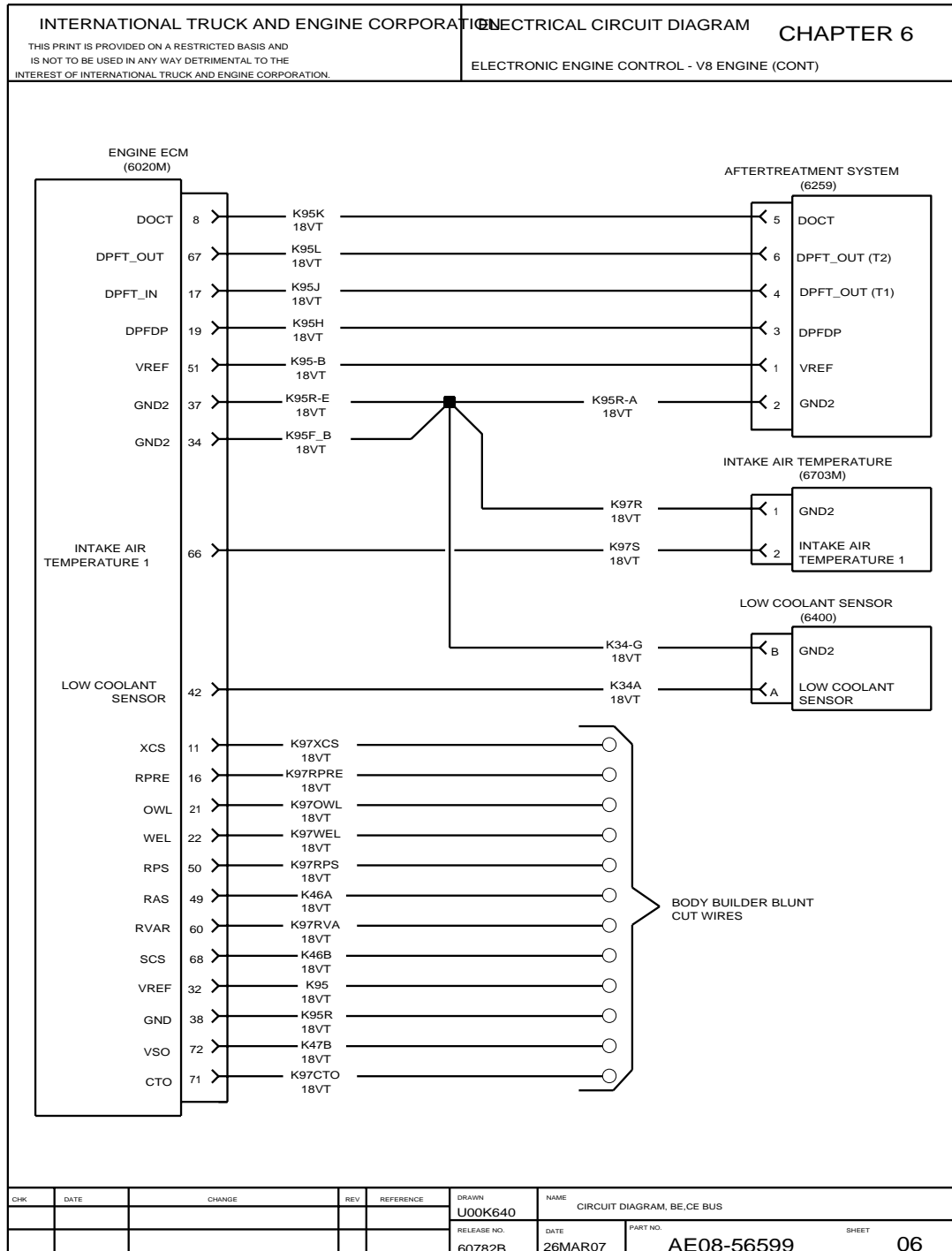


Figure 45 Electronic Engine Controls — V8 Engine (Cont.)

6.7. ELECTRONIC ENGINE CONTROLS — V8 ENGINE, P. 7

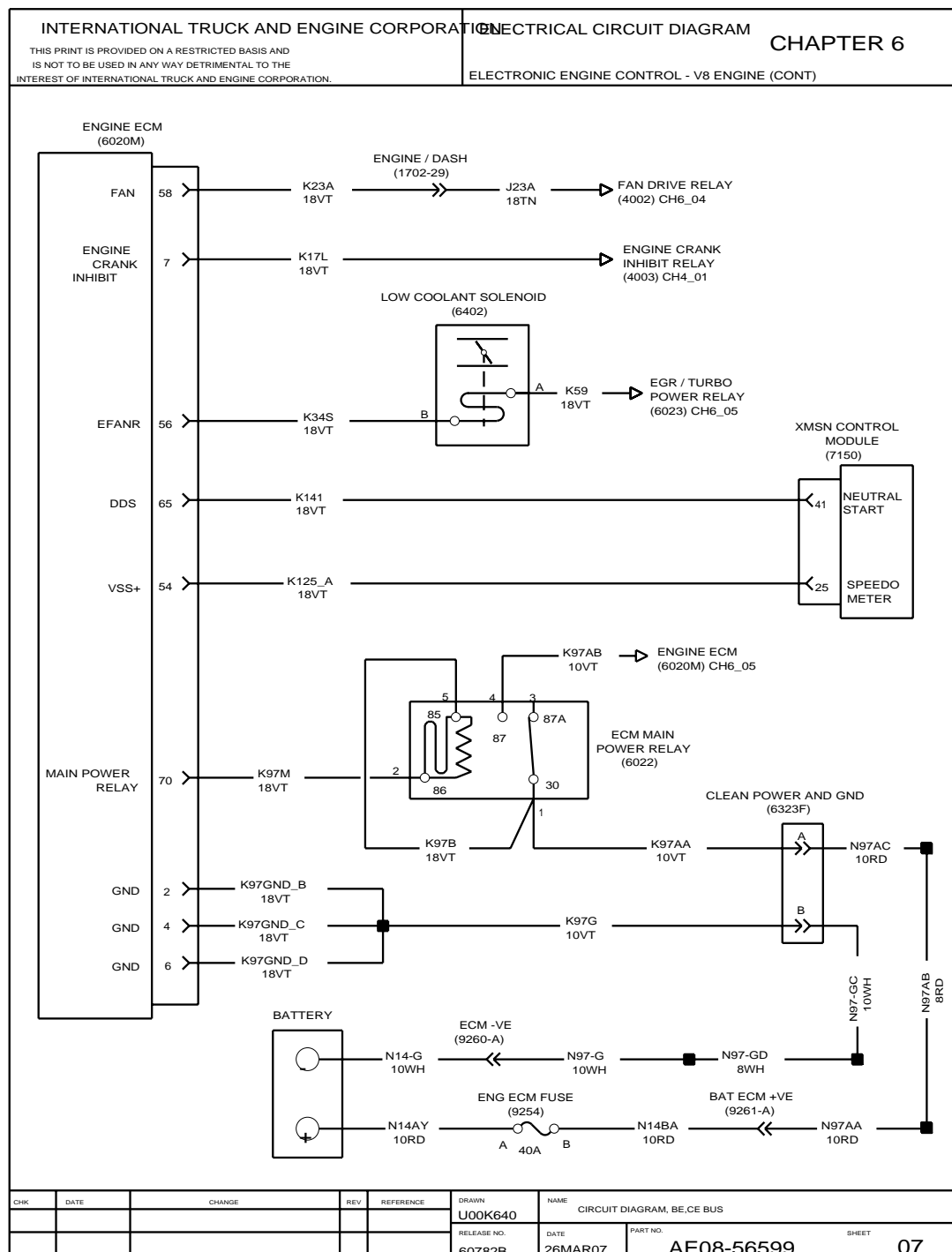


Figure 46 Electronic Engine Controls — V8 Engine (Cont.)

7. GAUGES AND WARNING LIGHTS (CHAPTER 7)

7.1. IP GAUGES, P. 1

INTERNATIONAL TRUCK AND ENGINE CORPORATION		ELECTRICAL CIRCUIT DIAGRAM CHAPTER 7																																																					
THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF INTERNATIONAL TRUCK AND ENGINE CORPORATION.		IP / GAUGES																																																					
<div><table border="1"><thead><tr><th colspan="4">INSTRUMENT PANEL GAUGES</th></tr><tr><th>GAUGE</th><th>WARNING LIGHT</th><th>SIGNAL PATH</th><th>SENSOR LOCATION</th></tr></thead><tbody><tr><td>RPM (TACH)</td><td>NO</td><td>ENGINE CTRL / DRIVE TRAIN / J1939 CLUSTER</td><td>ENGINE COMPARTMENT</td></tr><tr><td>MPH/KPH (SPD)</td><td>NO</td><td>ENGINE CTRL / DRIVE TRAIN / J1939 CLUSTER</td><td>TRANSMISSION</td></tr><tr><td>FUEL</td><td>YES</td><td>SYSTEM CTRL / DRIVE TRAIN / J1939 CLUSTER</td><td>FUEL TANK</td></tr><tr><td>N/A</td><td>YES</td><td>SYSTEM CTRL / DRIVE TRAIN / J1939 CLUSTER</td><td>N/A</td></tr><tr><td>AIR1 (PRES)</td><td>YES</td><td>SYSTEM CTRL / DRIVE TRAIN / J1939 CLUSTER</td><td>INSIDE CAB- DASH PNL</td></tr><tr><td>AIR2 (PRES)</td><td>YES</td><td>SYSTEM CTRL / DRIVE TRAIN / J1939 CLUSTER</td><td>STEERING COL AREA</td></tr><tr><td>WATER (TEMP)</td><td>YES</td><td>ENGINE CTRL / DRIVE TRAIN / J1939 CLUSTER</td><td>ENGINE COMPARTMENT</td></tr><tr><td>ENGINE OIL (TEMP)</td><td>YES</td><td>ENGINE CTRL / DRIVE TRAIN / J1939 CLUSTER</td><td>ENGINE COMPARTMENT</td></tr><tr><td>OIL (PRES)</td><td>YES</td><td>ENGINE CTRL / DRIVE TRAIN / J1939 CLUSTER</td><td>ENGINE COMPARTMENT</td></tr><tr><td>TRANS (TEMP)</td><td>YES</td><td>XMSN CTRL / SYSTEM CTRL / DRIVE TRAIN J1939 CLUSTER</td><td>TRANSMISSION</td></tr><tr><td>AMMETER</td><td>NO</td><td>PAM MODULE / DRIVE TRAIN J1939 / CLUSTER</td><td>ENGINE COMPARTMENT</td></tr></tbody></table><p>NOTE: 1. WARNING LIGHTS ARE PART OF THE GAUGES & LOCATED IN THE GAUGE CLUSTER.</p></div>				INSTRUMENT PANEL GAUGES				GAUGE	WARNING LIGHT	SIGNAL PATH	SENSOR LOCATION	RPM (TACH)	NO	ENGINE CTRL / DRIVE TRAIN / J1939 CLUSTER	ENGINE COMPARTMENT	MPH/KPH (SPD)	NO	ENGINE CTRL / DRIVE TRAIN / J1939 CLUSTER	TRANSMISSION	FUEL	YES	SYSTEM CTRL / DRIVE TRAIN / J1939 CLUSTER	FUEL TANK	N/A	YES	SYSTEM CTRL / DRIVE TRAIN / J1939 CLUSTER	N/A	AIR1 (PRES)	YES	SYSTEM CTRL / DRIVE TRAIN / J1939 CLUSTER	INSIDE CAB- DASH PNL	AIR2 (PRES)	YES	SYSTEM CTRL / DRIVE TRAIN / J1939 CLUSTER	STEERING COL AREA	WATER (TEMP)	YES	ENGINE CTRL / DRIVE TRAIN / J1939 CLUSTER	ENGINE COMPARTMENT	ENGINE OIL (TEMP)	YES	ENGINE CTRL / DRIVE TRAIN / J1939 CLUSTER	ENGINE COMPARTMENT	OIL (PRES)	YES	ENGINE CTRL / DRIVE TRAIN / J1939 CLUSTER	ENGINE COMPARTMENT	TRANS (TEMP)	YES	XMSN CTRL / SYSTEM CTRL / DRIVE TRAIN J1939 CLUSTER	TRANSMISSION	AMMETER	NO	PAM MODULE / DRIVE TRAIN J1939 / CLUSTER	ENGINE COMPARTMENT
INSTRUMENT PANEL GAUGES																																																							
GAUGE	WARNING LIGHT	SIGNAL PATH	SENSOR LOCATION																																																				
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FUEL	YES	SYSTEM CTRL / DRIVE TRAIN / J1939 CLUSTER	FUEL TANK																																																				
N/A	YES	SYSTEM CTRL / DRIVE TRAIN / J1939 CLUSTER	N/A																																																				
AIR1 (PRES)	YES	SYSTEM CTRL / DRIVE TRAIN / J1939 CLUSTER	INSIDE CAB- DASH PNL																																																				
AIR2 (PRES)	YES	SYSTEM CTRL / DRIVE TRAIN / J1939 CLUSTER	STEERING COL AREA																																																				
WATER (TEMP)	YES	ENGINE CTRL / DRIVE TRAIN / J1939 CLUSTER	ENGINE COMPARTMENT																																																				
ENGINE OIL (TEMP)	YES	ENGINE CTRL / DRIVE TRAIN / J1939 CLUSTER	ENGINE COMPARTMENT																																																				
OIL (PRES)	YES	ENGINE CTRL / DRIVE TRAIN / J1939 CLUSTER	ENGINE COMPARTMENT																																																				
TRANS (TEMP)	YES	XMSN CTRL / SYSTEM CTRL / DRIVE TRAIN J1939 CLUSTER	TRANSMISSION																																																				
AMMETER	NO	PAM MODULE / DRIVE TRAIN J1939 / CLUSTER	ENGINE COMPARTMENT																																																				
CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME																																																	
					U00K640	CIRCUIT DIAGRAM, BE,CE BUS																																																	
					RELEASE NO.	DATE	PART NO.	SHEET																																															
					59974F	22SEP06	AE08-56600	01																																															

Figure 47 IP Gauges

7.2. WARNING LIGHTS, P. 2

INTERNATIONAL TRUCK AND ENGINE CORPORATION

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ELECTRICAL CIRCUIT DIAGRAM

WARNING LIGHTS

CHAPTER 7

IP WARNING LIGHTS		
WARNING LIGHT TITLE	SIGNAL PATH	SENSOR LOCATION
RANGE INHIBITED LCT	TRANS CTRL / DRIVE TRAIN J1939 / CLUSTER	
FUEL FILTER	ECM / DRIVE TRAIN J1939 / CLUSTER	FUEL FILTER
ENGINE (YELLOW LED)	ENGINE CTRL / DRIVE TRAIN J1939 / CLUSTER	
ENGINE (RED LED)	ENGINE CTRL / DRIVE TRAIN J1939 / CLUSTER	
BRAKE PRESSURE (AIR)	SYSTEM CTRL / DRIVE TRAIN J1939 / CLUSTER	SWITCH
BRAKE PRESSURE (HYDR)	HYD BRK ECU CTRL / DRIVE TRAIN J1939 / CLUSTER	SWITCH
BRAKE/PARK/BRAKE FLUID	HYD BRK ECU CTRL / DRIVE TRAIN J1939 / CLUSTER	
PARK (HYD BRAKE) (P)	HYD BRK ECU CTRL / DRIVE TRAIN J1939 / CLUSTER	SAHR TRAVEL SW
BRAKE FLUID HYD BRK	HYD BRK ECU CTRL / DRIVE TRAIN J1939 / CLUSTER	BRK RESERVOIR
TRAC CTRL	TRUCK ABS CTRL / DRIVE TRAIN J1939 / CLUSTER	
CHECK TRANS	TRUCK ABS CTRL / DRIVE TRAIN J1939 / CLUSTER	
(LEFT TURN)	SYSTEM CTRL / DRIVE TRAIN J1939 / CLUSTER	TURN SIG SW
WATER IN FUEL	ECM / DRIVE TRAIN J1939 / CLUSTER	FUEL FILTER
COOLANT LEVEL	ENGINE CTRL / DRIVE TRAIN J1939 / CLUSTER	SURGE TANK
CHECK ELECT SYS	SYSTEM CTRL / DRIVE TRAIN J1939 / CLUSTER	
PARK (AIR BRAKE) (P)	SYSTEM CTRL / DRIVE TRAIN J1939 / CLUSTER	PARK BRAKE VALVE
ABS	TRUCK CTRL / DRIVE TRAIN J1939 / CLUSTER	
(RIGHT TURN)	SYSTEM CTRL / DRIVE TRAIN J1939 / CLUSTER	
WAIT TO START	ENGINE CTRL / DRIVE TRAIN J1939 / CLUSTER	
(HIGH BEAM IND)	SYSTEM CTRL / DRIVE TRAIN J1939 / CLUSTER	
LIFT DOOR	SYSTEM CTRL / DRIVE TRAIN J1939 / CLUSTER	LIFT DOOR SWITCH
ECON	TRANS CTRL / DRIVE TRAIN J1939 / CLUSTER	
SERVICE (P)	SYSTEM CTRL / DRIVE TRAIN J1939 / CLUSTER	
AMBER FLASHER	SYSTEM CTRL / DRIVE TRAIN J1939 / CLUSTER	
RED FLASHER	SYSTEM CTRL / DRIVE TRAIN J1939 / CLUSTER	
EMERG EXIT	SYSTEM CTRL / DRIVE TRAIN J1939 / CLUSTER	
MALFUNCTION INDICATOR LAMP (MIL)	ECM / DRIVE TRAIN J1939 / CLUSTER	
CHANGE OIL (TEXT MESSAGE)	ECM / DRIVE TRAIN J1939 / CLUSTER	

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME	
					U00K640	CIRCUIT DIAGRAM, BE,CE BUS	
					RELEASE NO.	DATE	PART NO.
					59974F	22SEP06	AE08-56600
							SHEET
							02

Figure 48 Warning Lights

7.3. BLANK PAGE, P. 3

INTERNATIONAL TRUCK AND ENGINE CORPORATION				ELECTRICAL CIRCUIT DIAGRAM				CHAPTER 7	
THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF INTERNATIONAL TRUCK AND ENGINE CORPORATION.									
INTENTIONALLY LEFT BLANK									
CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME			
					U00K640	CIRCUIT DIAGRAM, BE, CE BUS			
					RELEASE NO.	DATE	PART NO.	SHEET	
					59974E	22SEP06	AE08-56600	03	

Figure 49 Blank Page

7.4. ENGINE OIL PRESSURE AND TEMPERATURE, SPEEDOMETER, TACHOMETER, VOLTMETER AND WATER TEMPERATURE GAUGE CIRCUITS, P. 4

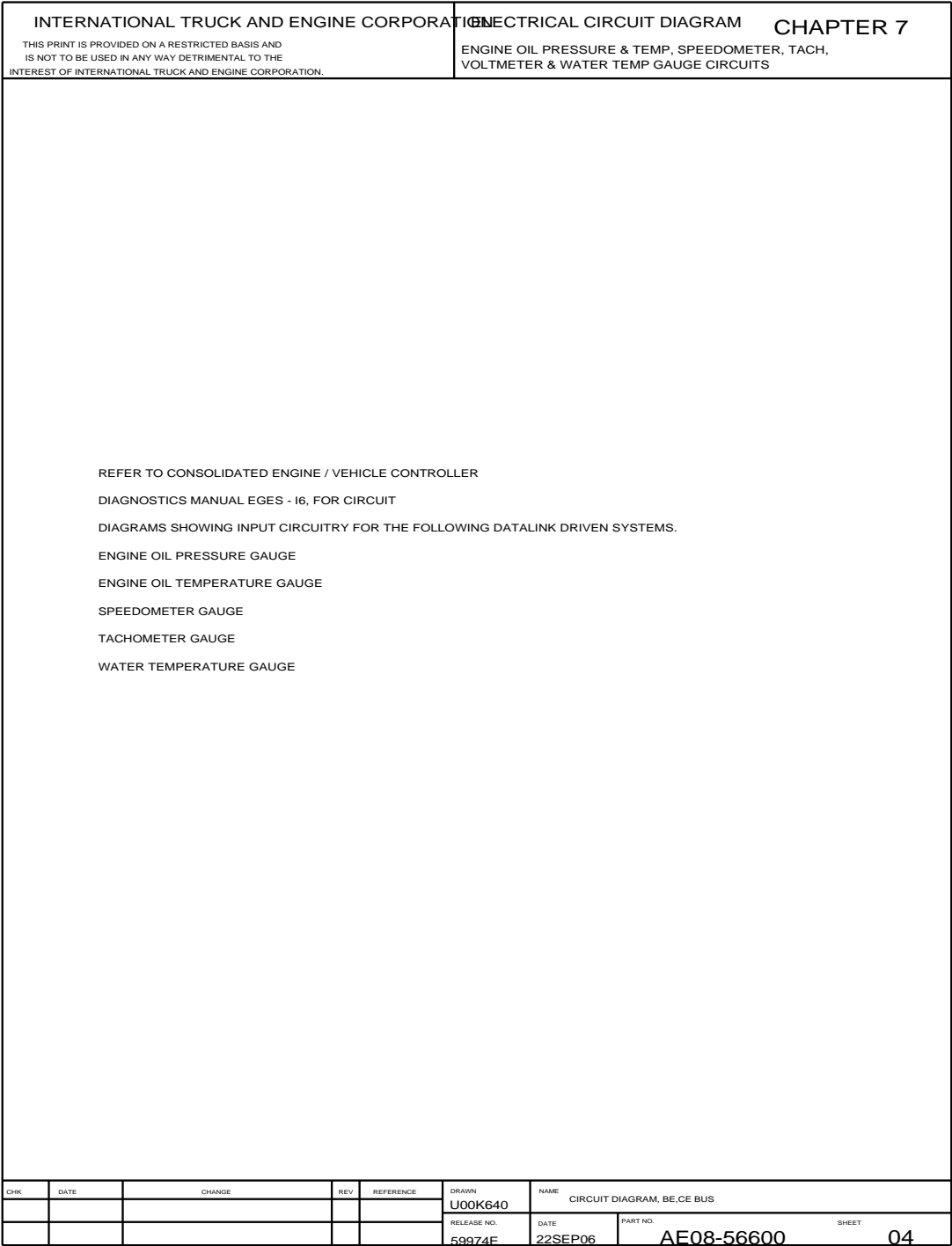


Figure 50 Engine Oil Pressure and Temperature, Speedometer, Tachometer, Voltmeter and Water Temp. Gauge Circuits

7.5. INSTRUMENT GAUGE CLUSTER, P. 5

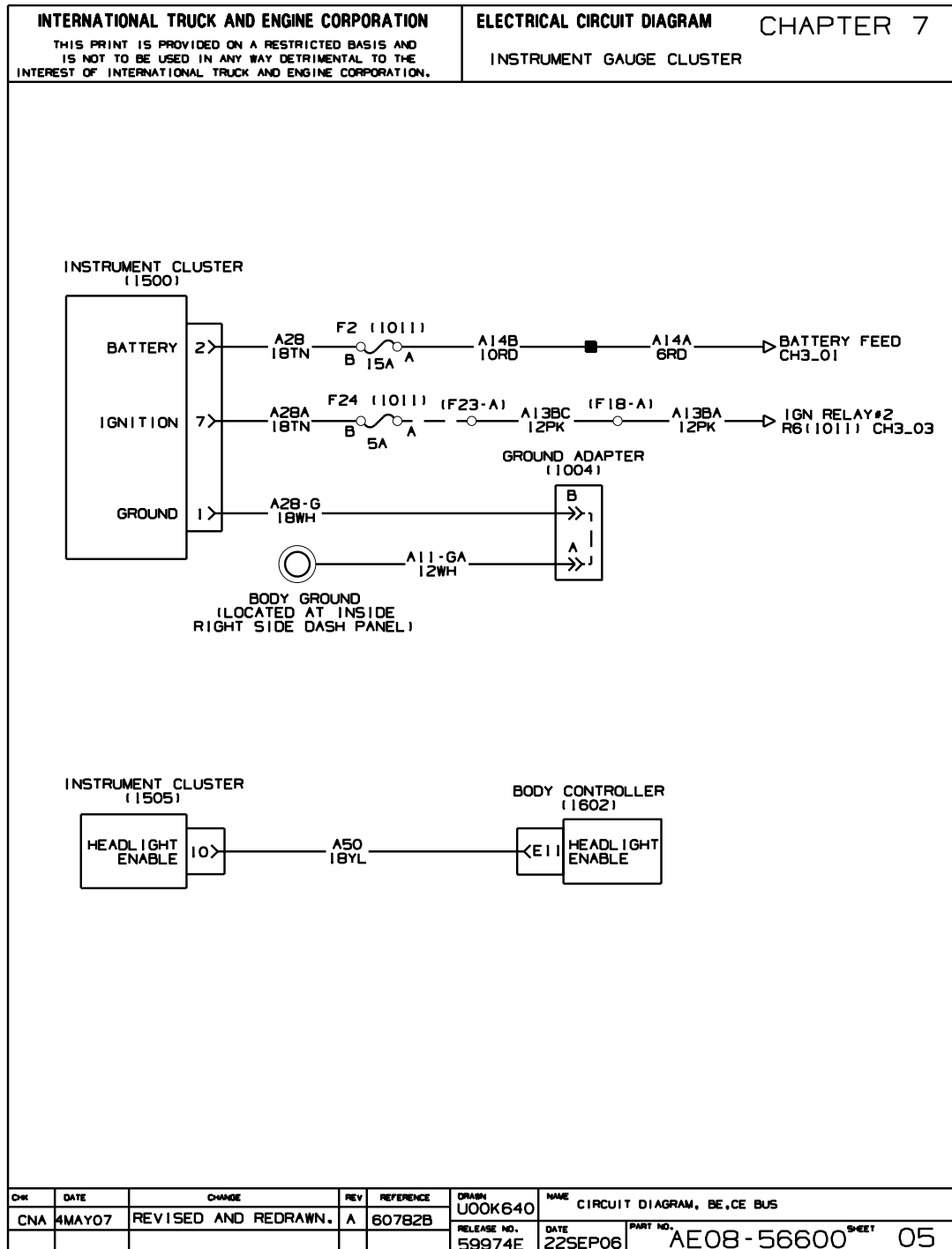


Figure 51 Instrument Gauge Cluster

7.6. AMMETER (OPTIONAL), P. 6

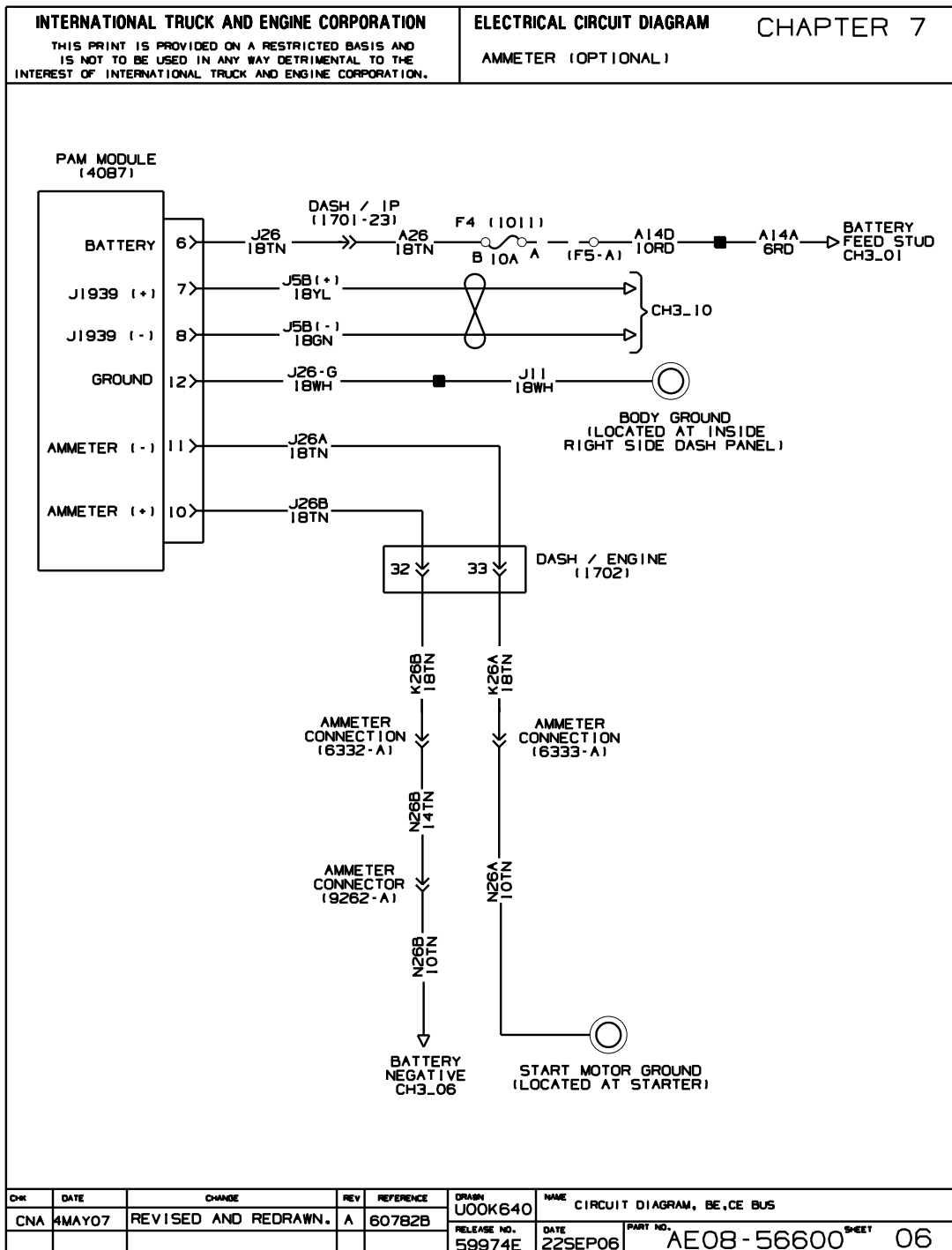


Figure 52 Ammeter (Optional)

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 COOLANT TANK LEVEL
---	---

ECM
(6020)

COOLANT
LEVEL
SWITCH

GROUND ADAPTER
(6704)

K10-GB
14WH

ENGINE BLOCK
GROUND
(LOCATED AT
STARTER)

K34A
18TN

K34-G
18WH

B

A

MAG

COOLANT SURGE TANK
(6401)

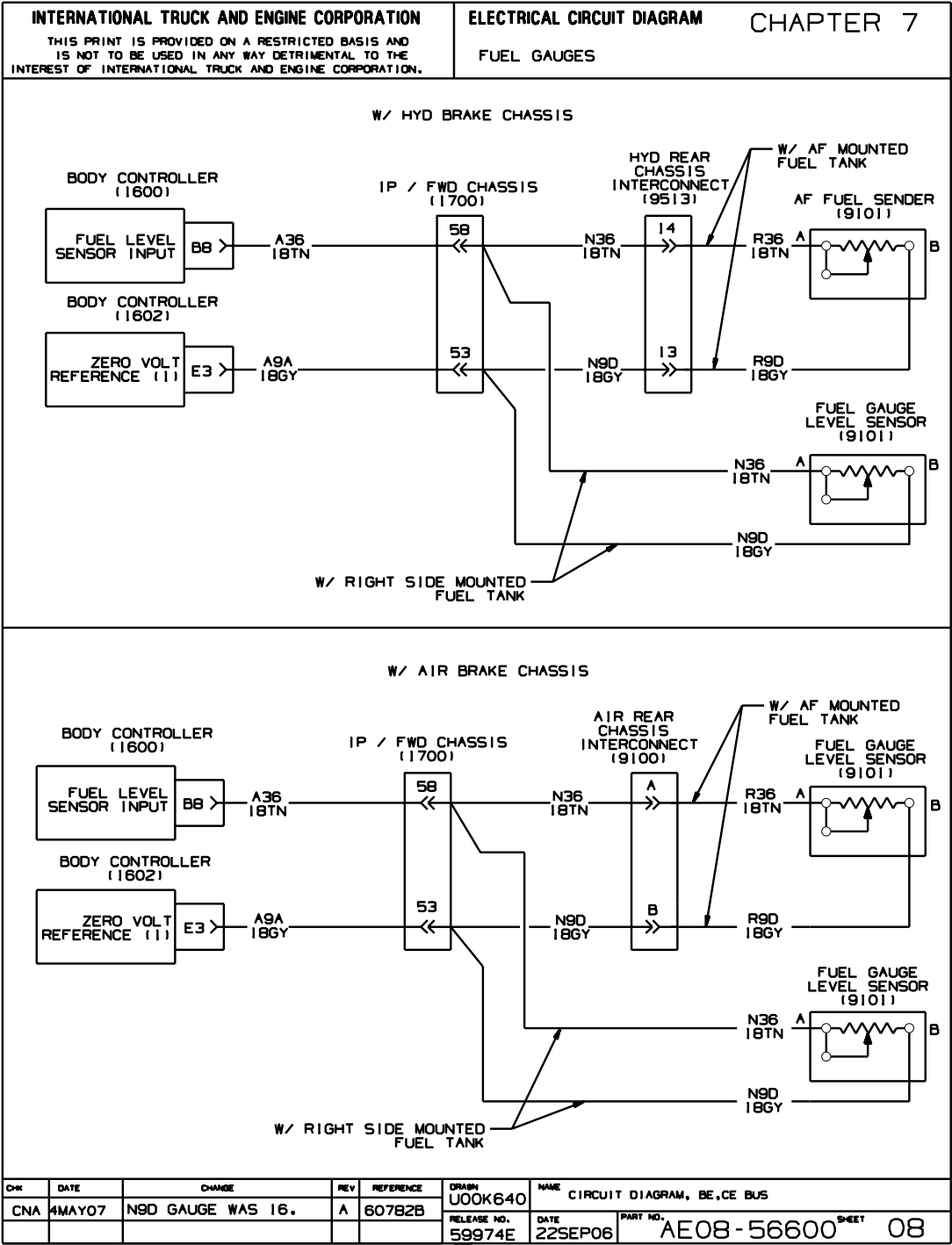
COOLANT LEVEL FULL - OPEN
LOW COOLANT - CLOSED

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME	CIRCUIT DIAGRAM, BE,CE BUS
CNA	4MAY07	REVISED AND REDRAWN.	A	60782B	U00K640		
					RELEASE NO. 59974E	DATE 22SEP06	PART NO. AE08-56600

SHEET 07

Figure 53 Coolant Tank Level

7.8. FUEL GAUGES, P. 8



7.9. PARK BRAKE, P. 9

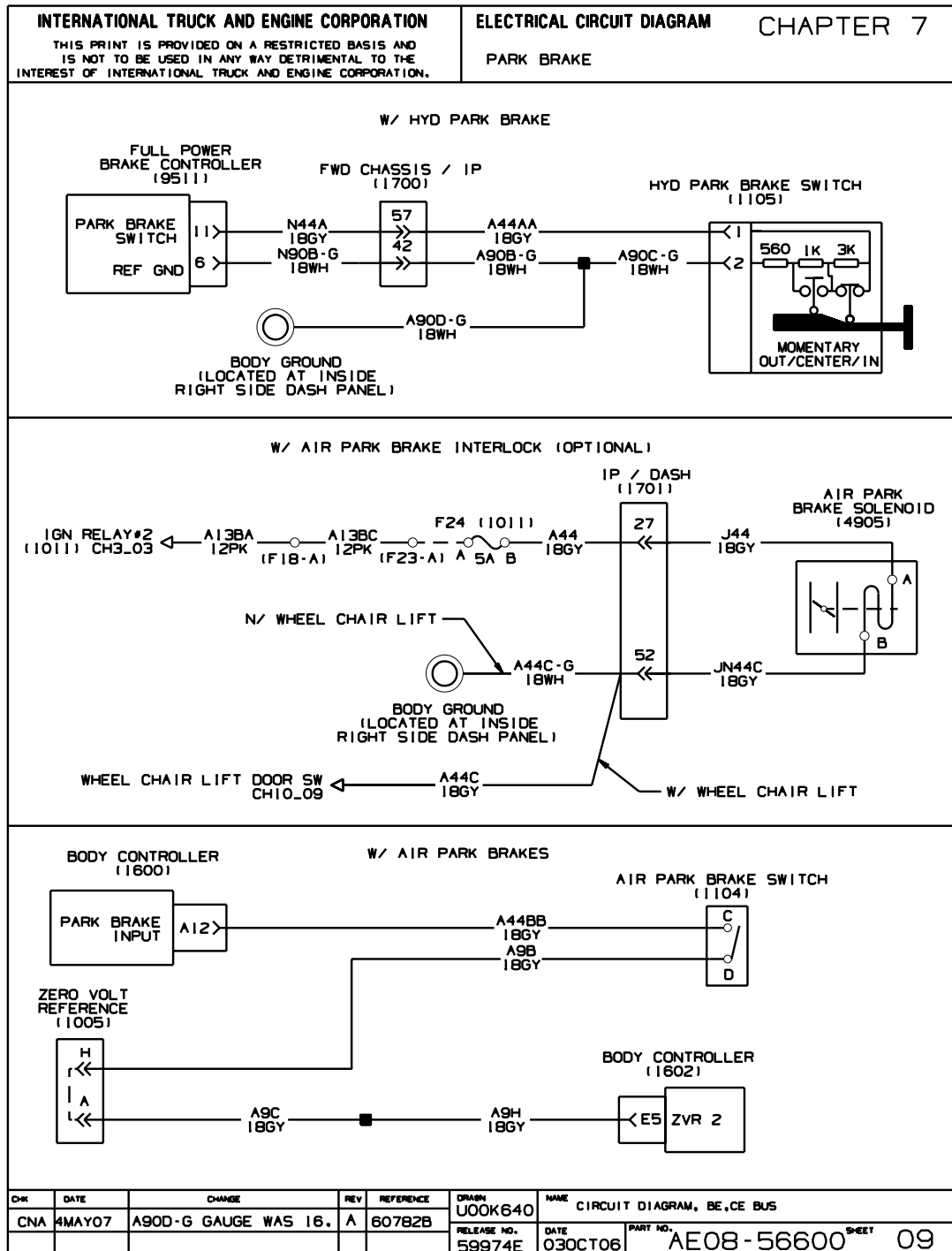
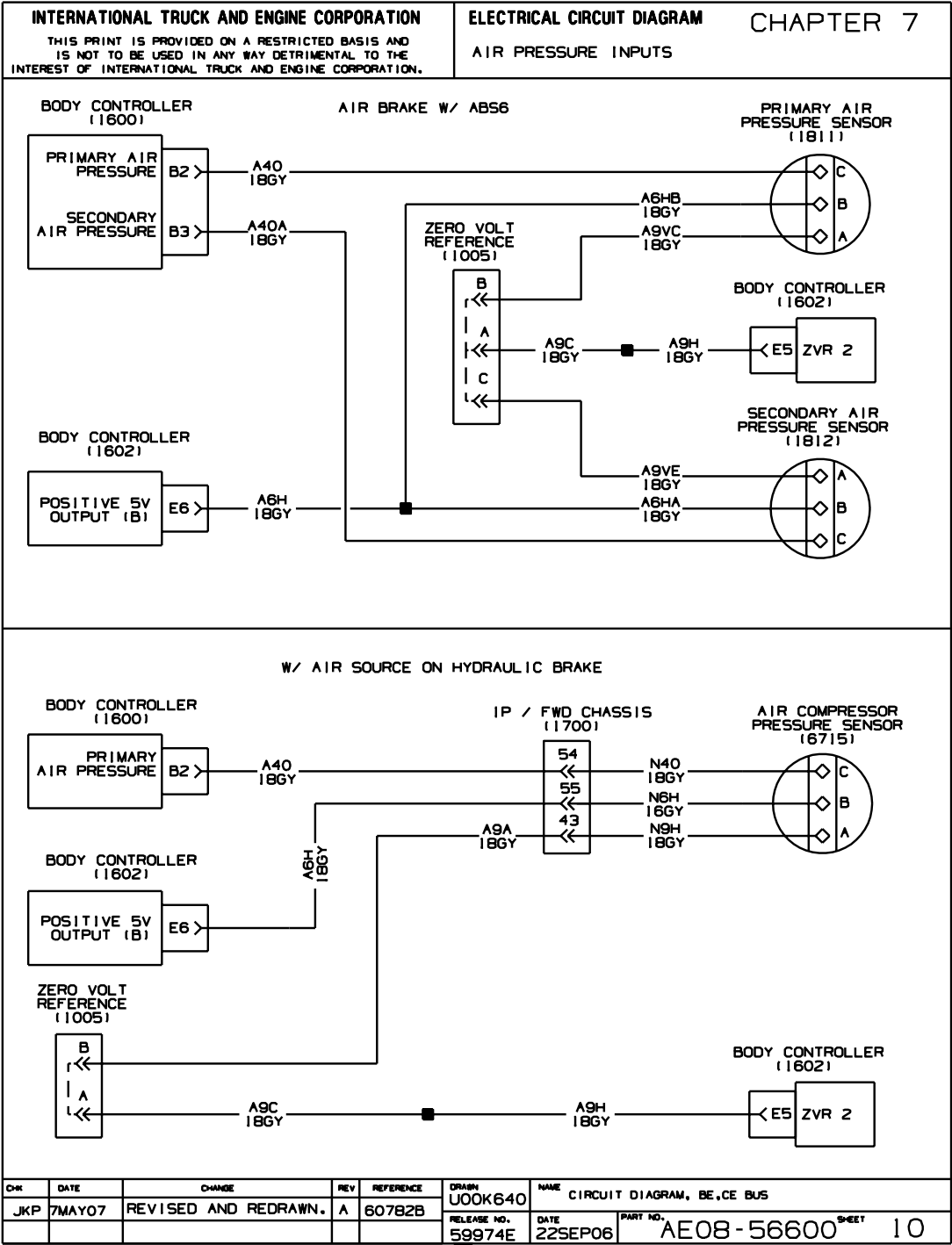


Figure 55 Park Brake

7.10. AIR PRESSURE INPUTS, P. 10



7.11. CHANGE TRANSMISSION OIL FILTER LIGHT AND EXHAUST AFTERTREATMENT INDICATORS, P. 11

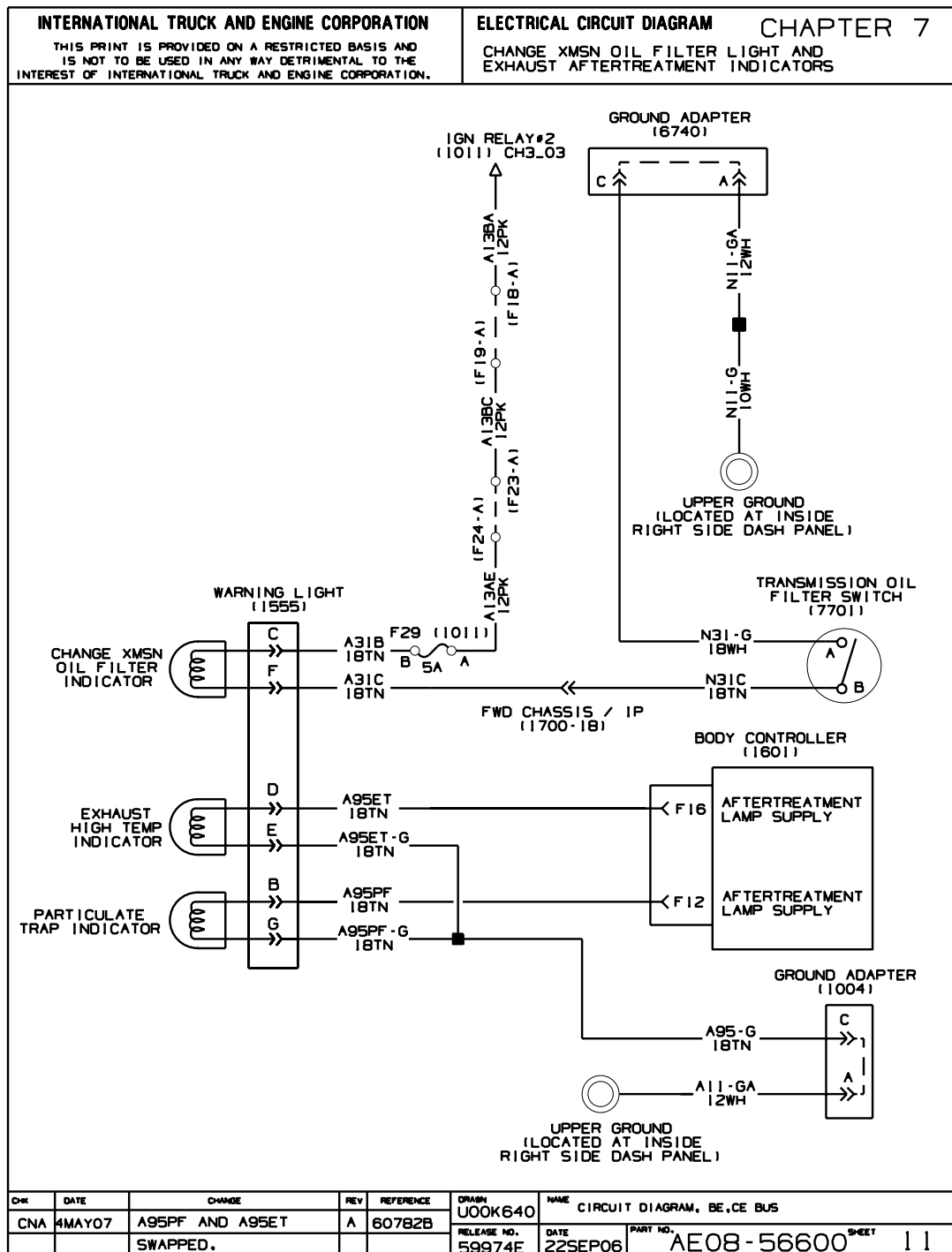


Figure 57 Change Transmission Oil Filter Light and Exhaust Aftertreatment Indicators

7.12. ESPAR COOLANT HEATER WITH RSM TANK, P. 12

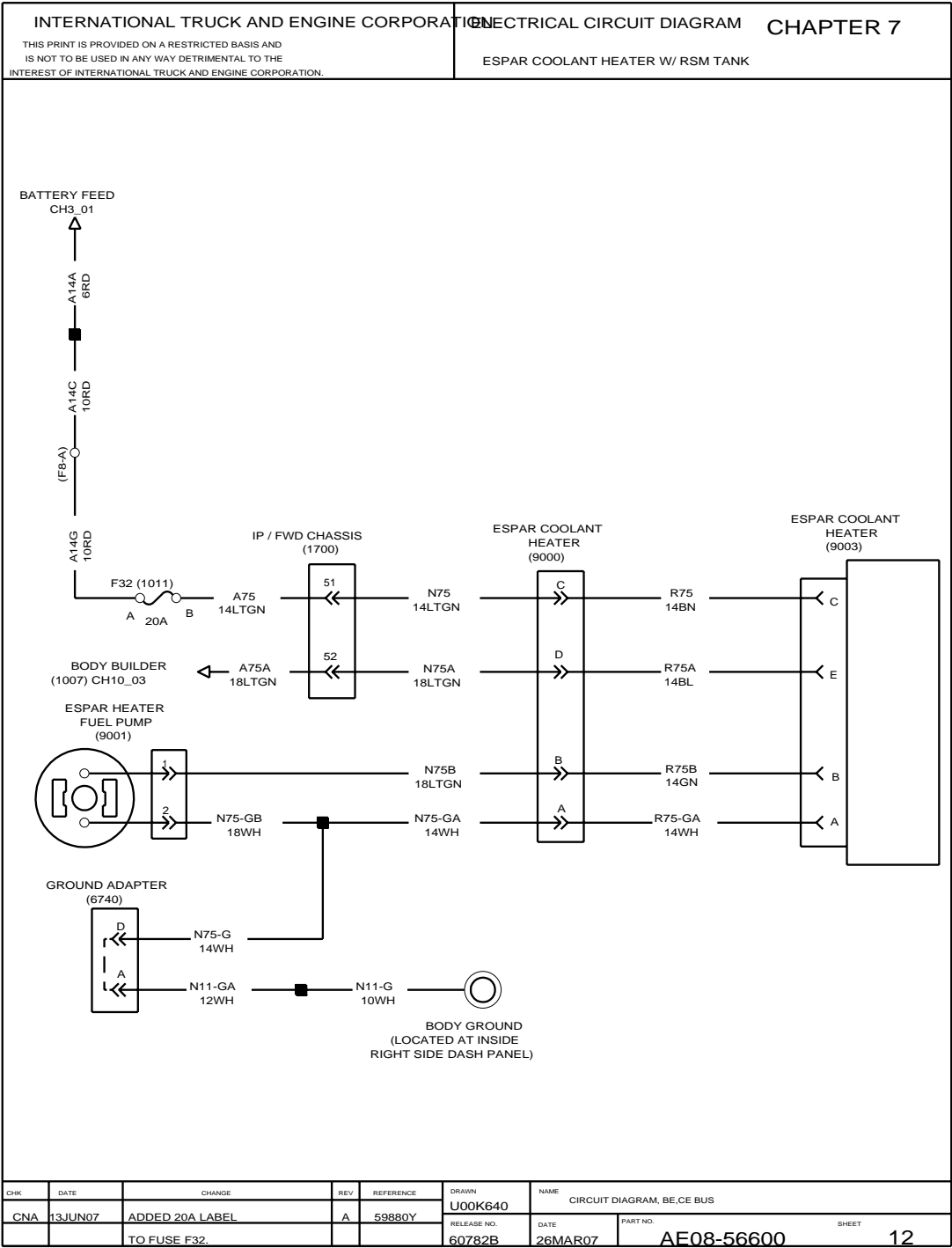


Figure 58 Espar Coolant Heater with RSM Tank

7.13. ESPAR COOLANT HEATER WITH AF FUEL TANK, P. 13

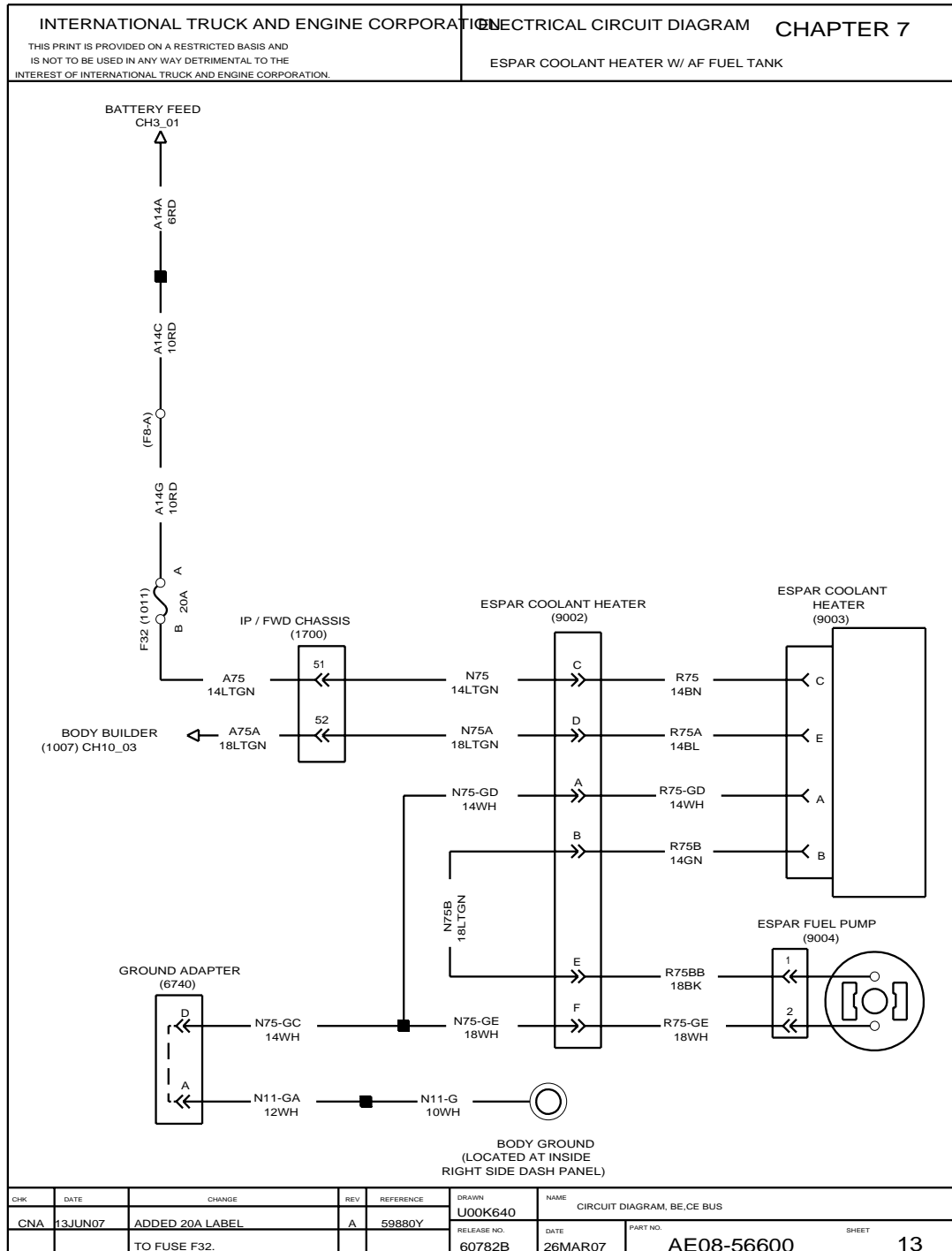


Figure 59 Espar Coolant Heater with AF Fuel Tank

8. CHASSIS ACCESSORIES (CHAPTER 8)

8.1. AIR DRYER AND DRAIN VALVE, P. 1

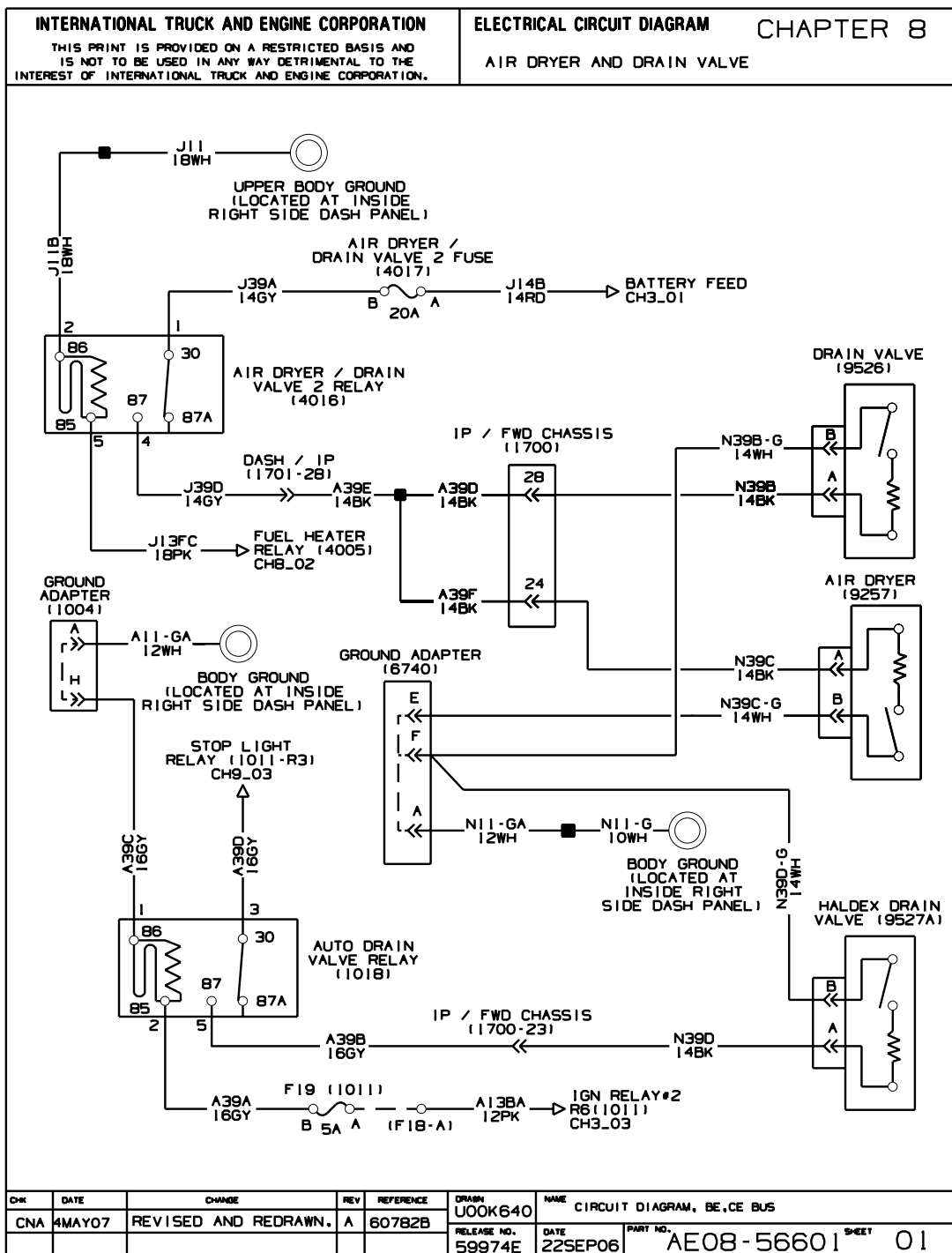


Figure 60 Air Dryer and Drain Valve

8.2. FUEL HEATER SYSTEM, P. 2

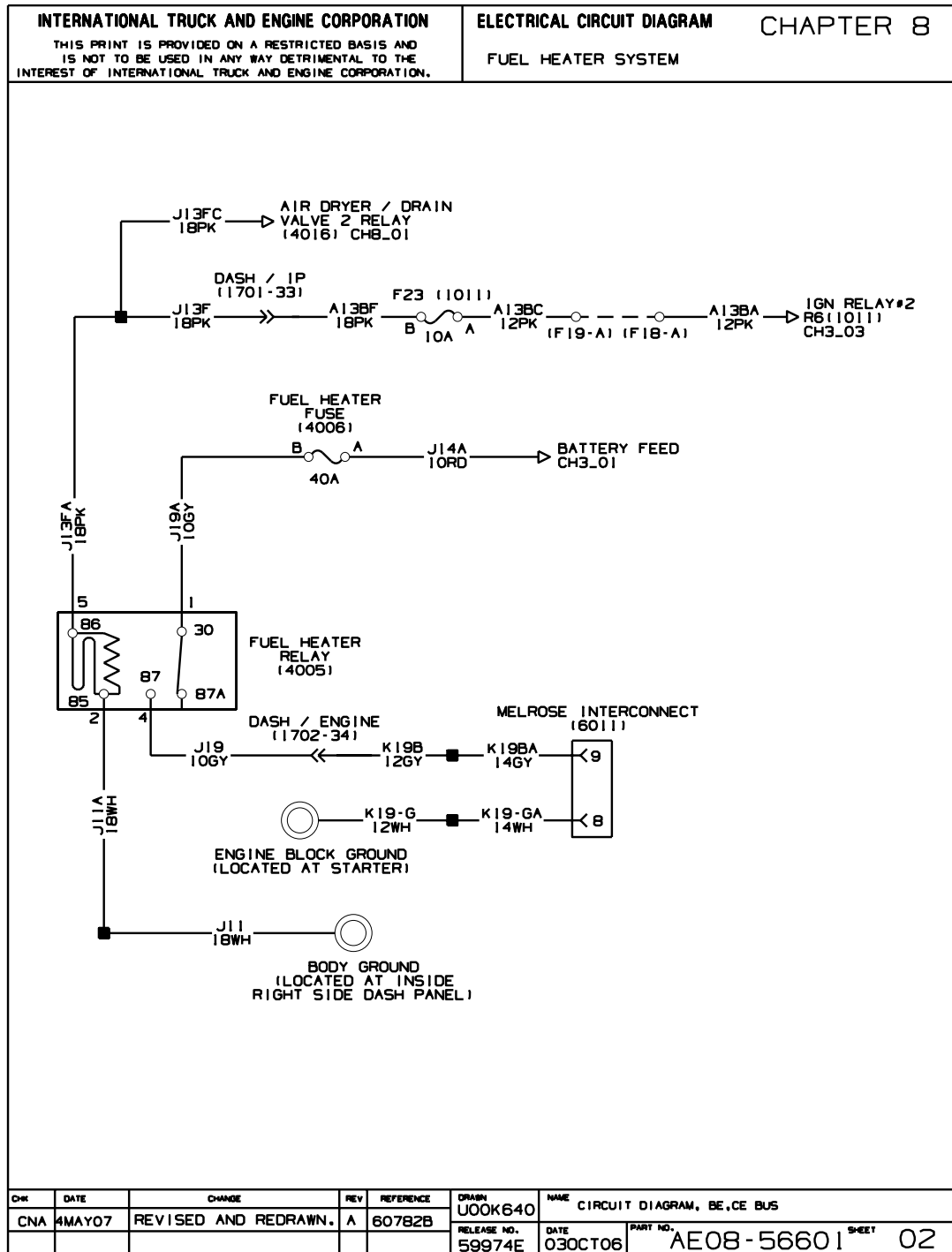


Figure 61 Fuel Heater System

8.3. ABS — HYDRAULIC I6, P. 3

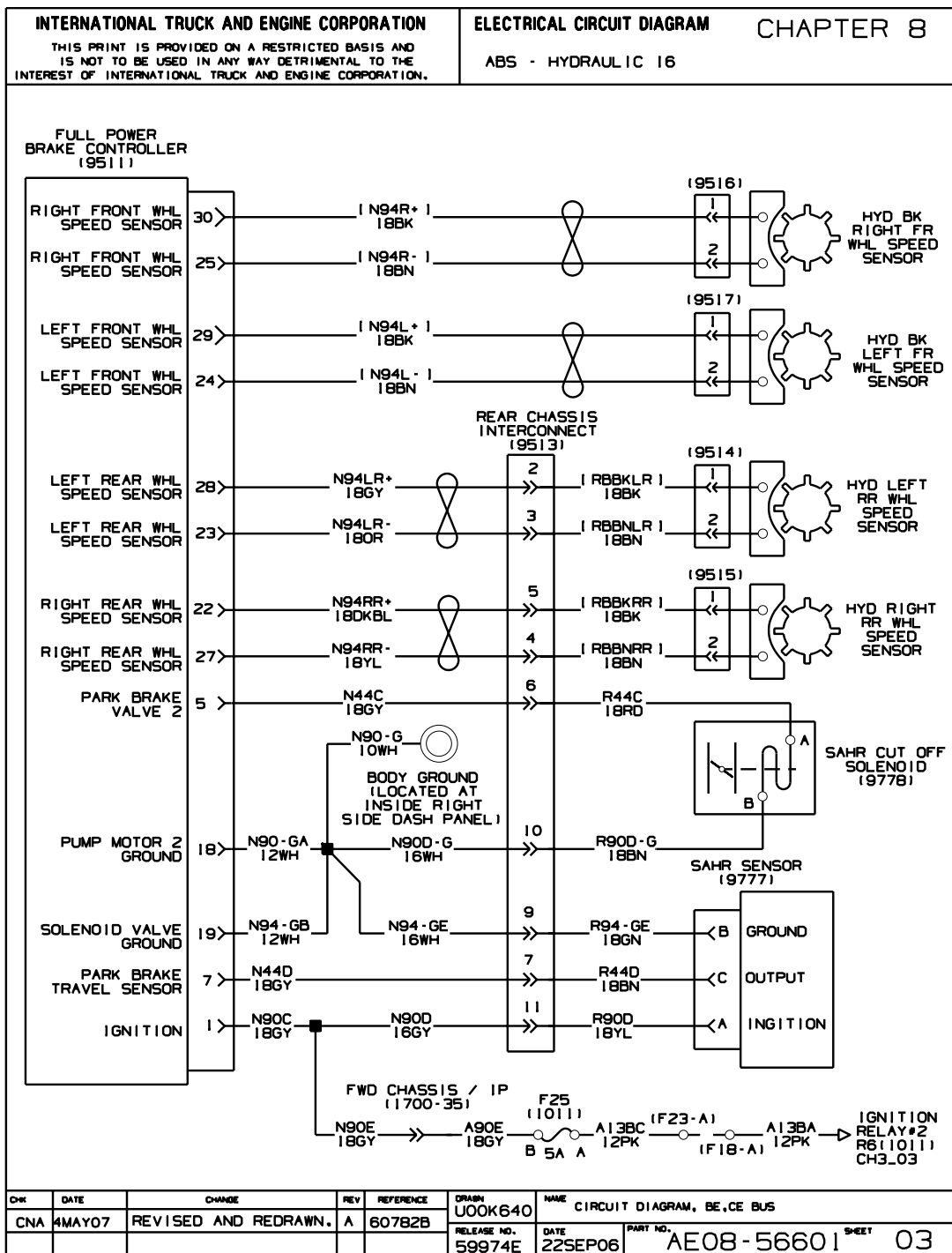
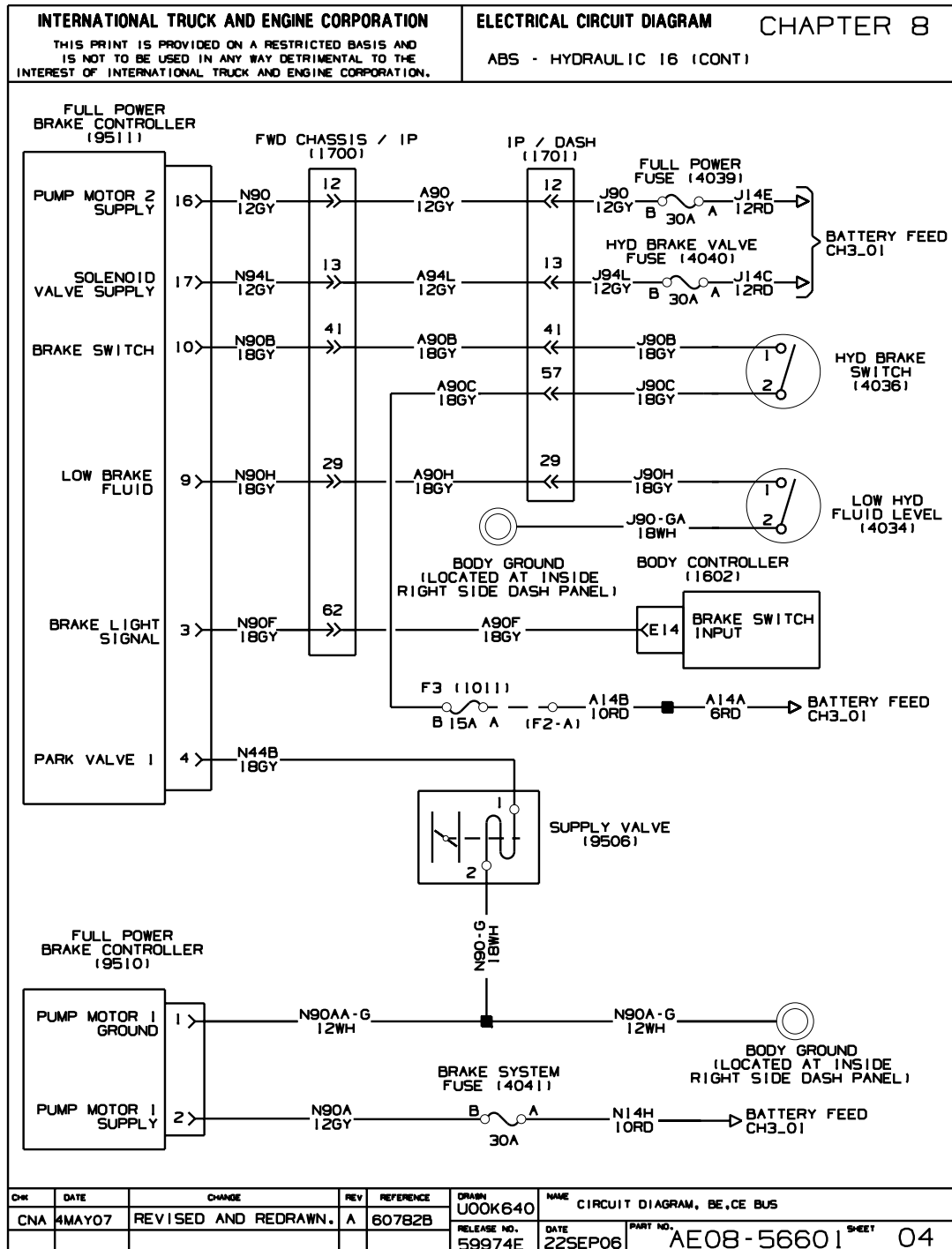


Figure 62 ABS — Hydraulic I6

Figure 63 ABS — Hydraulic I6 (Cont.)



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ELECTRICAL CIRCUIT DIAGRAM

CHAPTER 8

AIR SOLENOID MODULE (OPTIONAL)

BODY CONTROLLER
(1601)

AIR SOLENOID # 1

AIR SOLENOID # 2

AIR SOLENOID # 3

AIR SOLENOID # 4

E16

F10

E12

F8

IP / FORWARD CHASSIS
(1700)

19

20

21

22

AIR SOLENOID
4-PACK
(9736)

B

C

D

E

A

A59J
18GY

A59K
18GY

A59L
18GY

A59M
18GY

N59J
18GY

N59K
18GY

N59L
18GY

N59M
18GY

N59H-G
14WH

BODY GROUND
(LOCATED AT INSIDE
RIGHT SIDE DASH PANEL)

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
CNA	4MAY07	REVISED AND REDRAWN.	A	60782B	U00K640	CIRCUIT DIAGRAM, BE,CE BUS
					RELEASE NO. 59974E	DATE 22SEP06
					PART NO.	AE08-56601
						SHEET 05

Figure 64 Air Solenoid Module (Optional)

8.6. BENDIX AIR ABS, P. 6

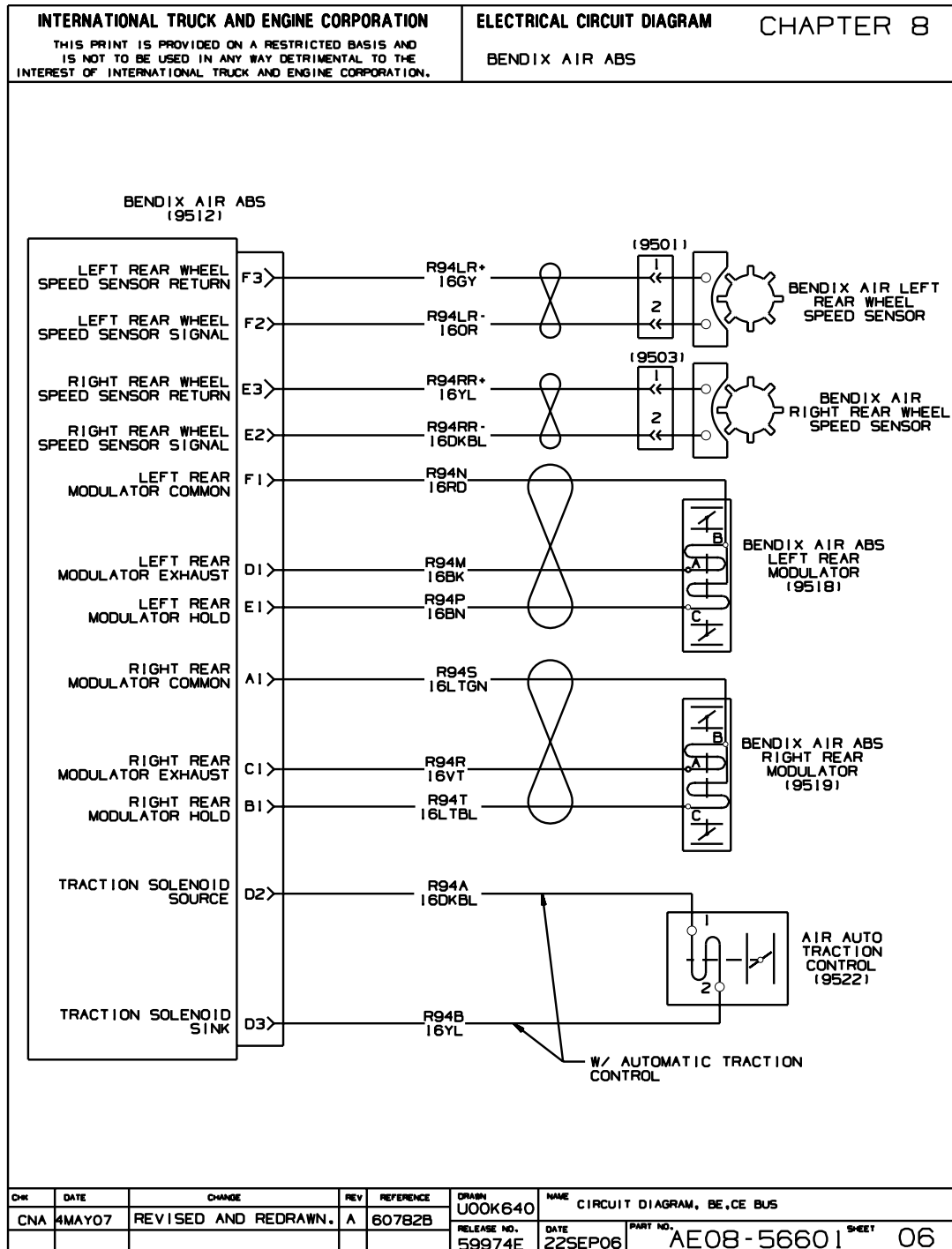


Figure 65 Bendix Air ABS

8.7. BENDIX AIR ABS6, P. 7

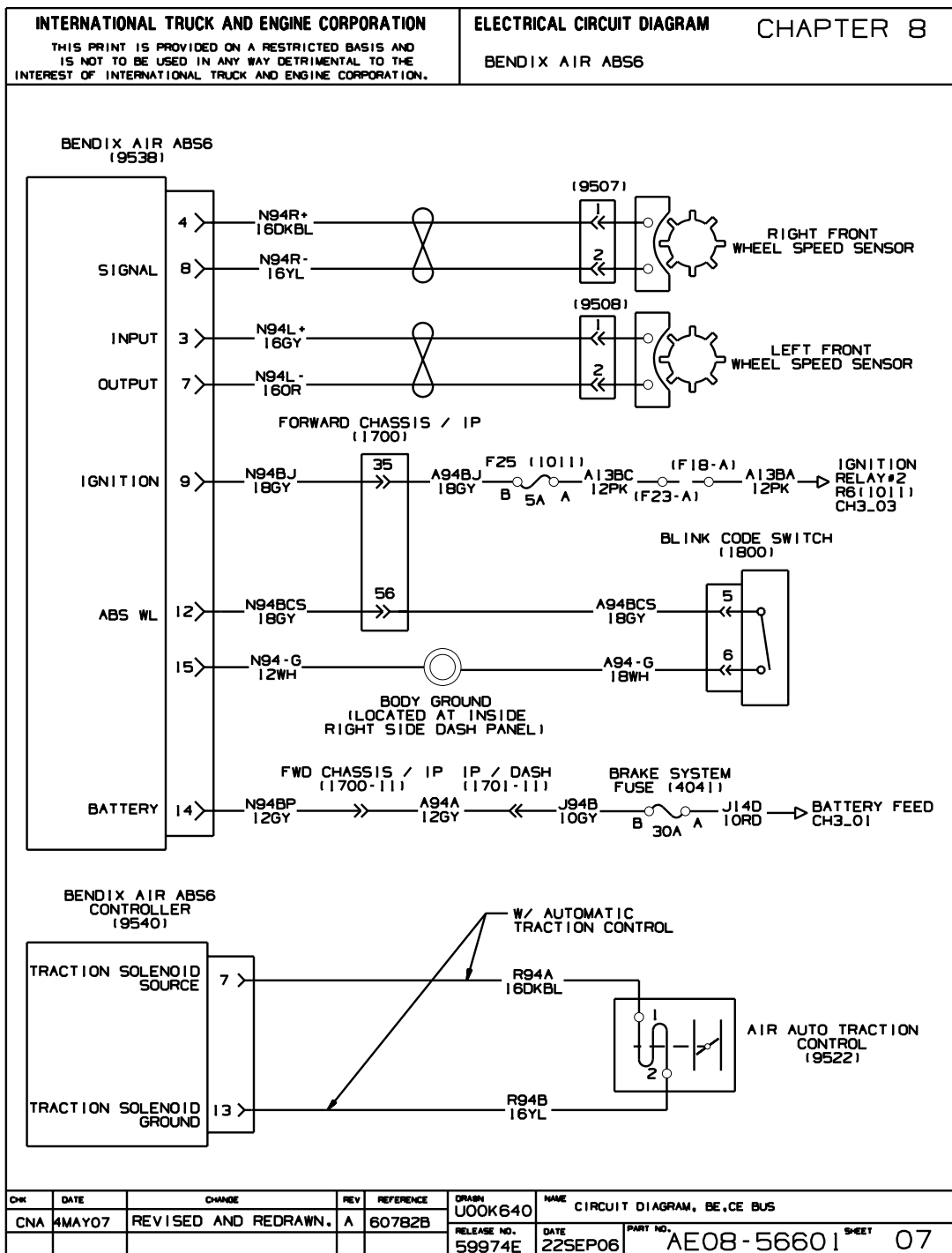


Figure 66 Bendix Air ABS6

8.8. BENDIX AIR ABS6, P. 8

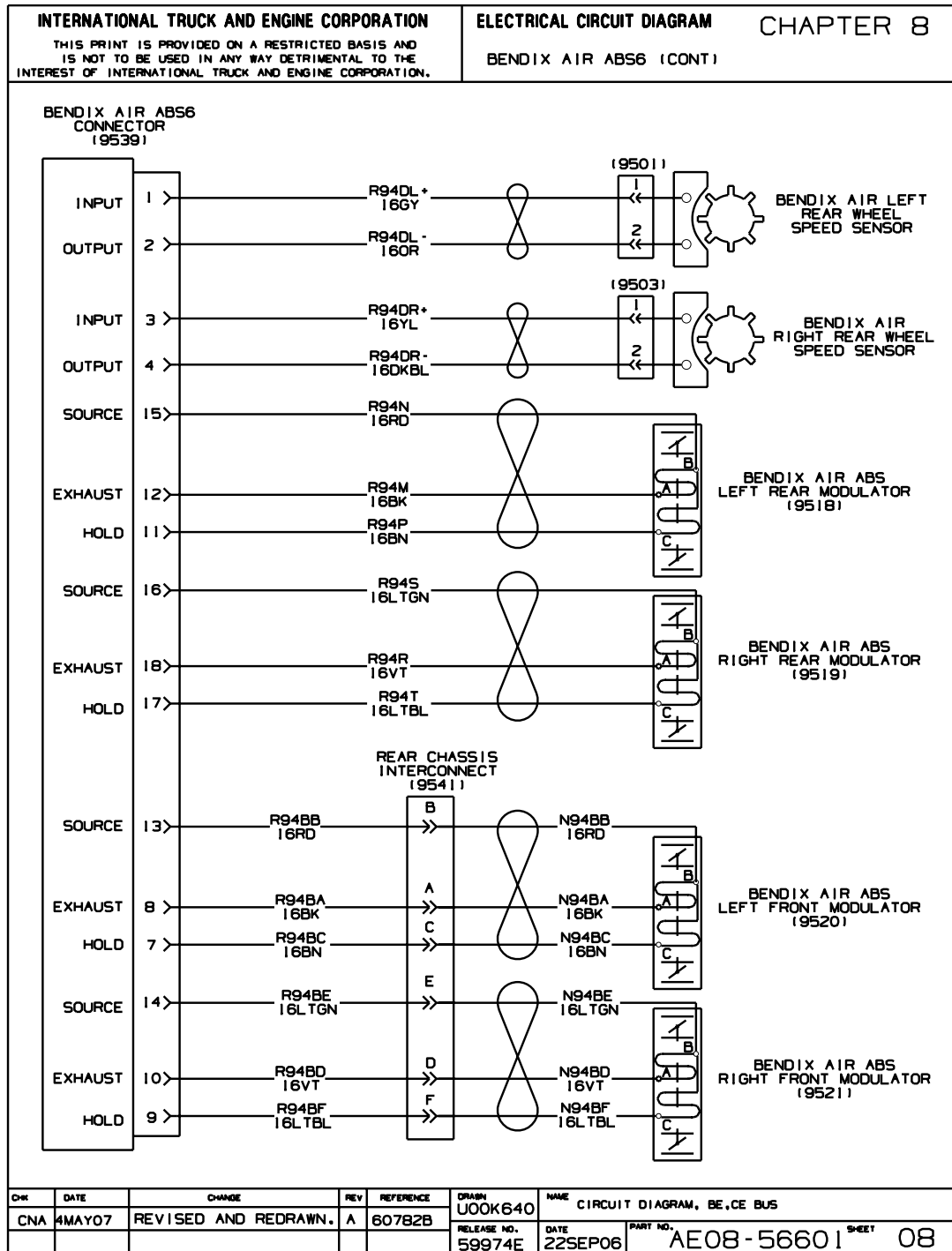
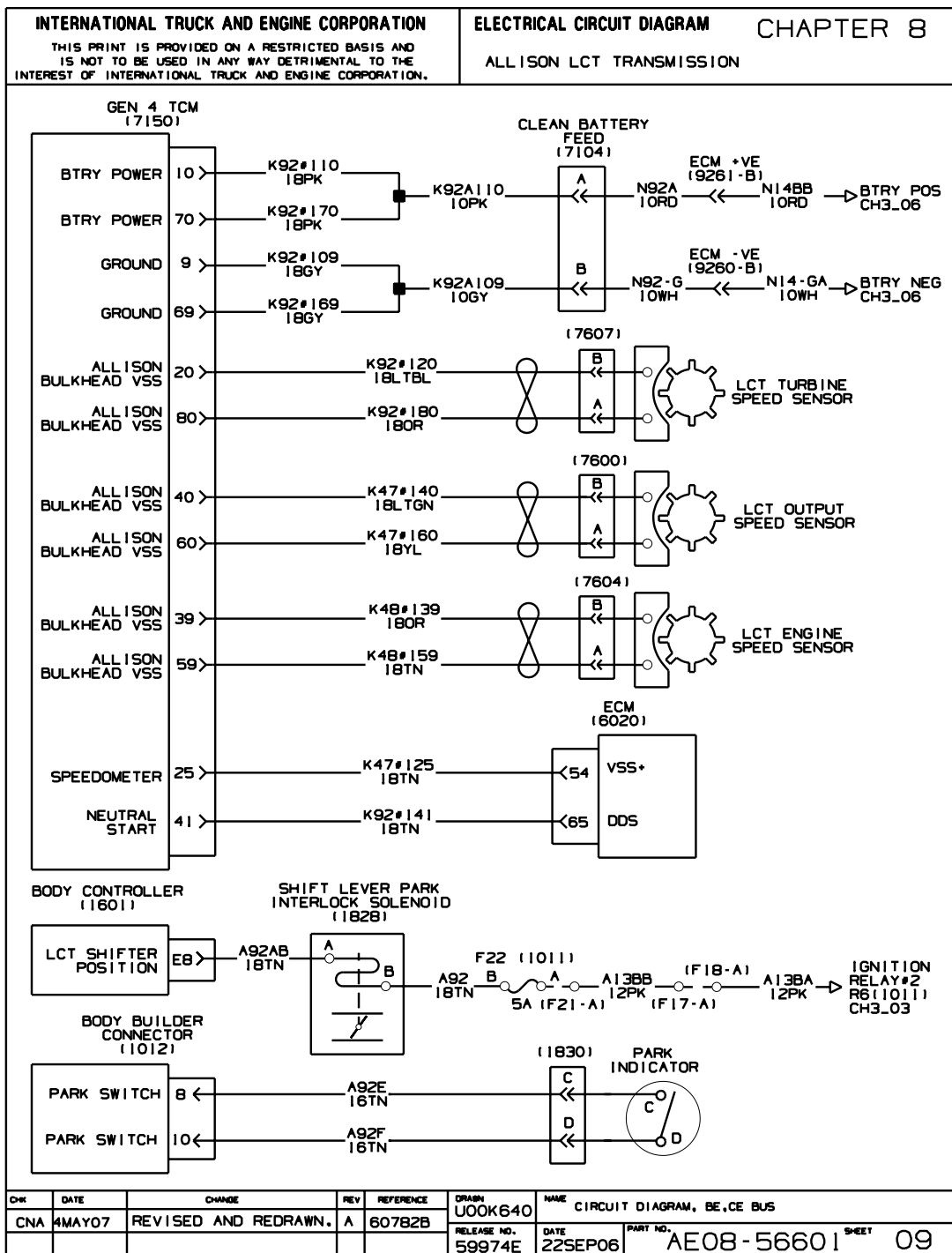


Figure 67 Bendix Air ABS6

8.9. ALLISON LCT TRANSMISSION, P. 9



8.10. ALLISON LCT TRANSMISSION, P. 10

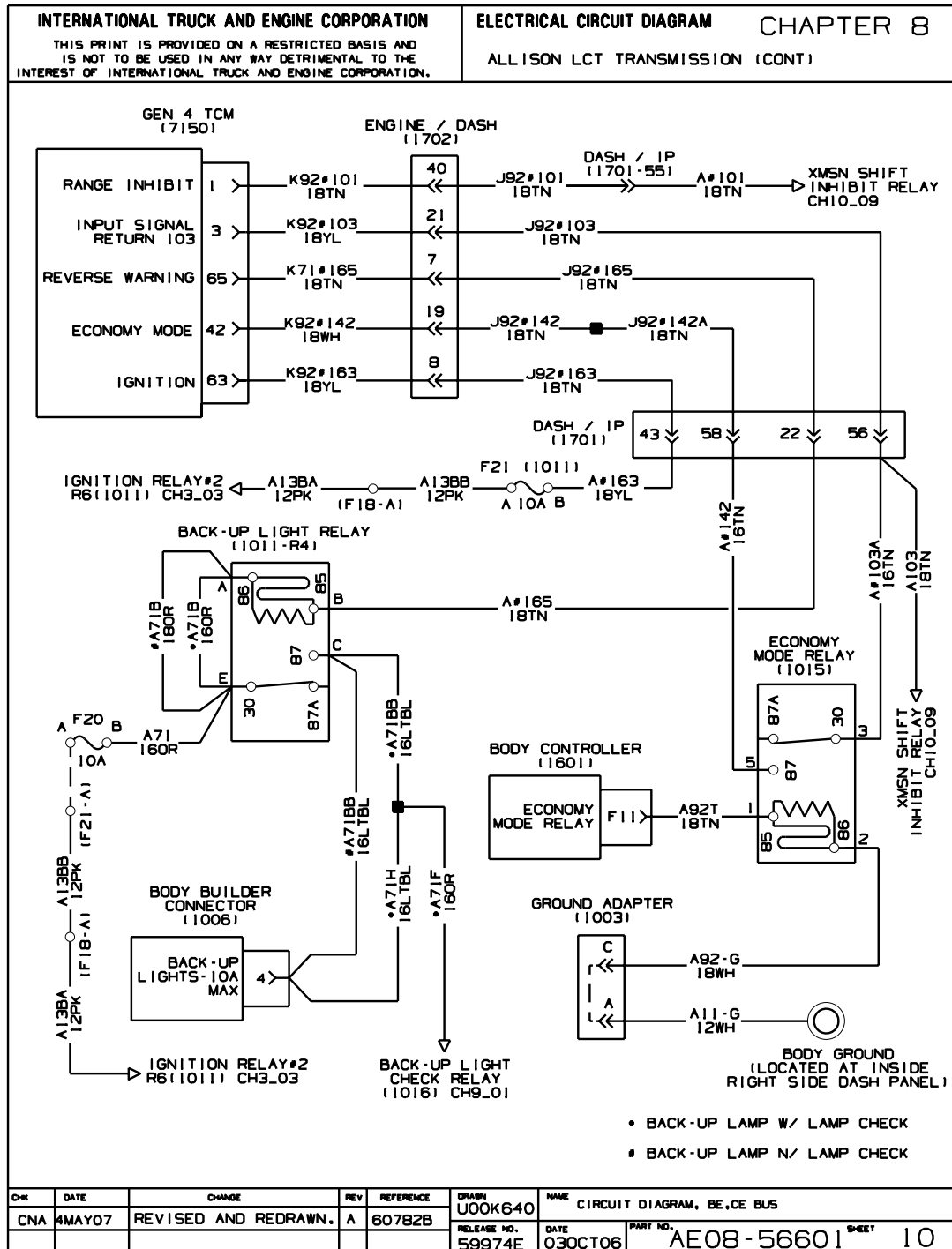


Figure 69 Allison LCT Transmission (Cont.)

[illegible]

Figure 70 Allison LCT Transmission (Cont.)

8.12. ALLISON WTEC MD TRANSMISSION, P. 12

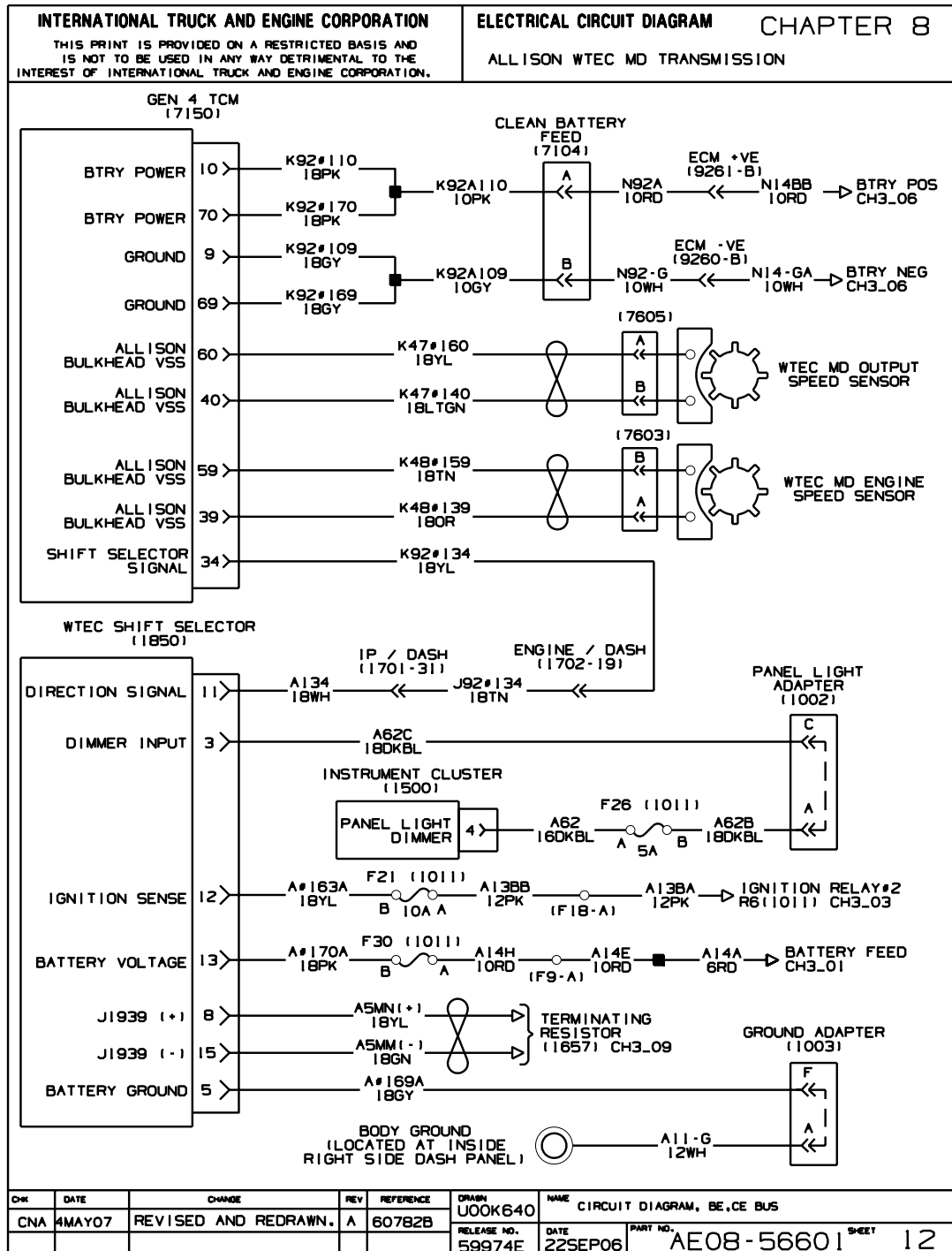


Figure 71 Allison WTEC MD Transmission

8.13. ALLISON WTEC MD TRANSMISSION, P. 13

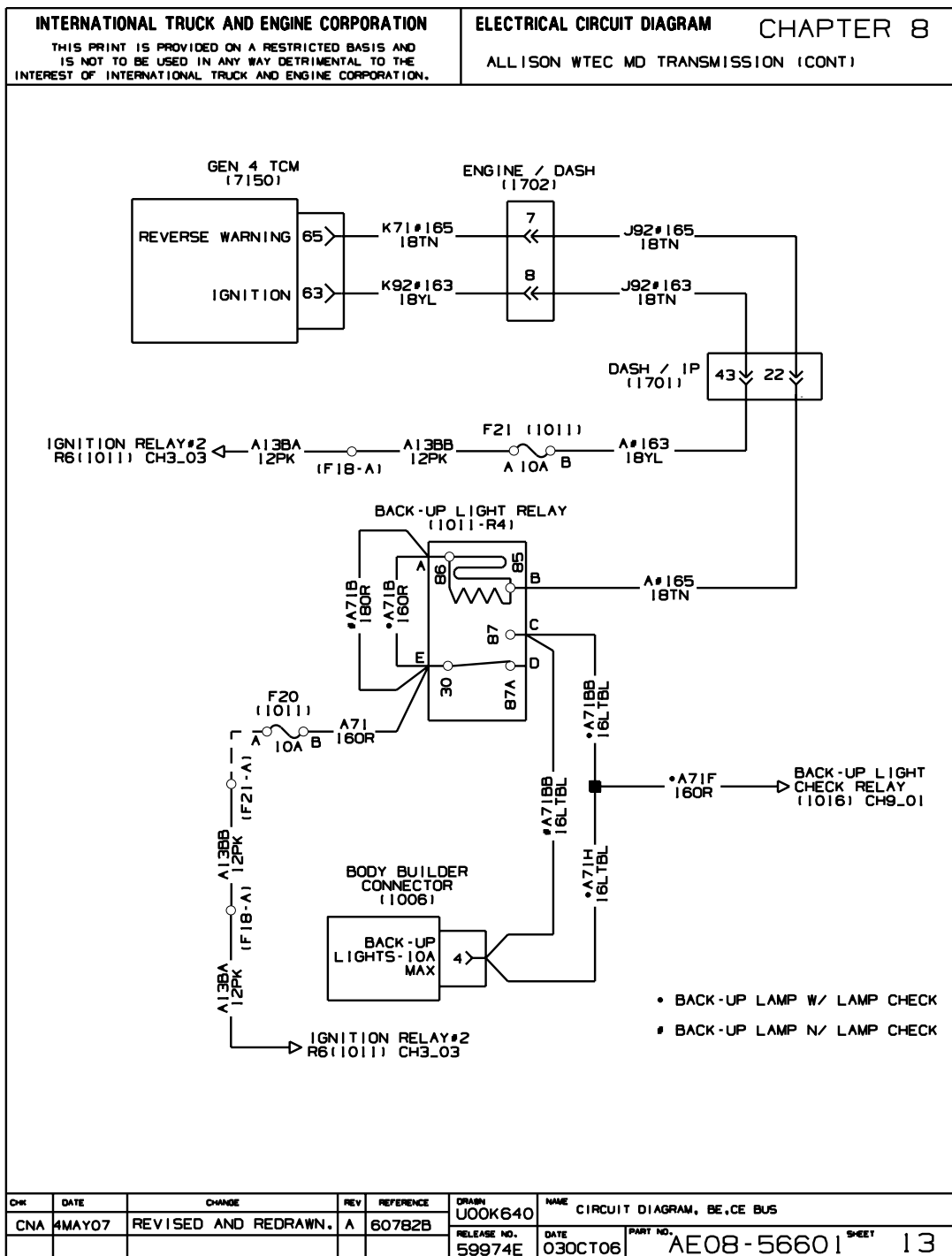


Figure 72 Allison WTEC MD Transmission (Cont.)

8.14. ALLISON WTEC MD TRANSMISSION, P. 14

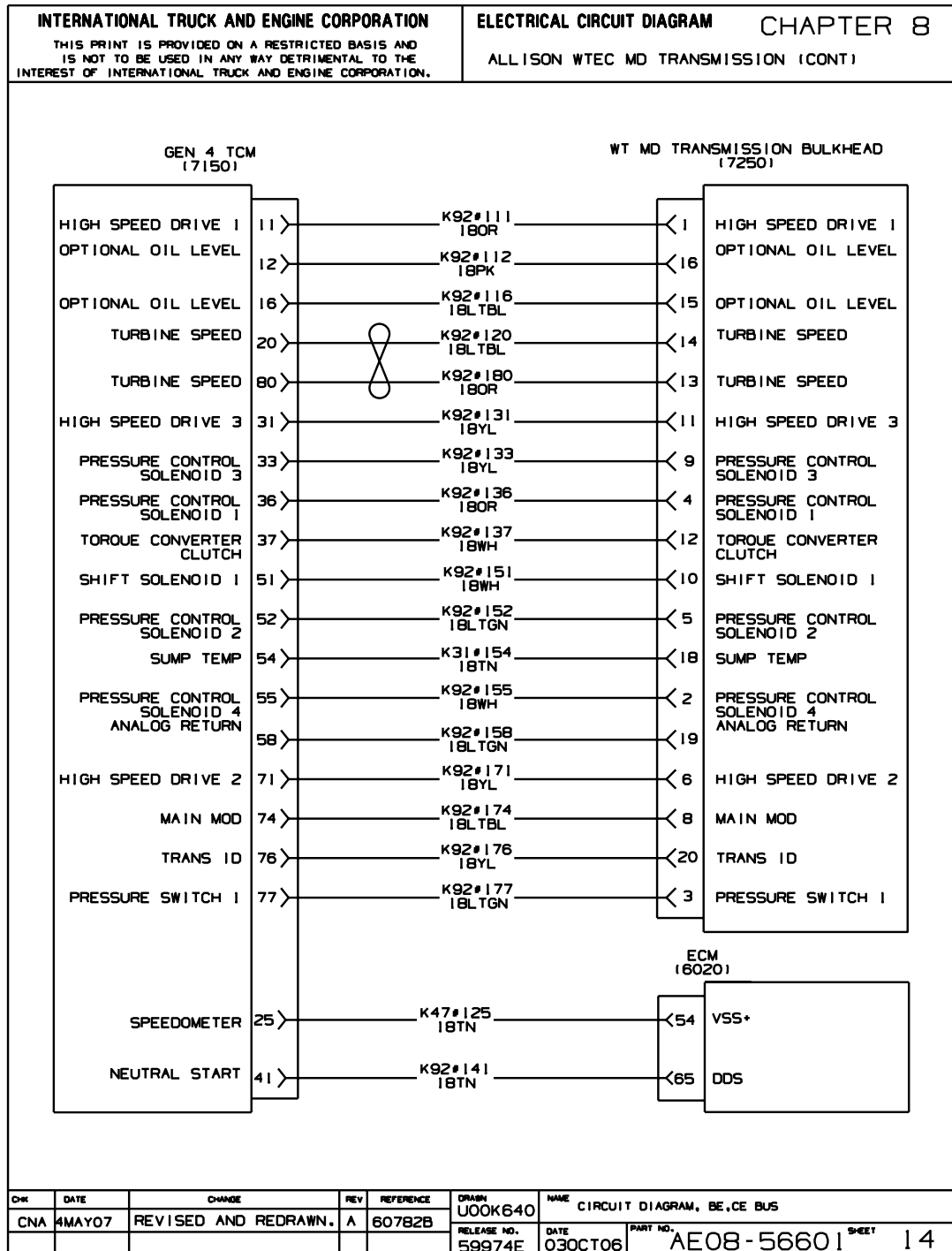


Figure 73 Allison WTEC MD Transmission (Cont.)

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ELECTRICAL CIRCUIT DIAGRAM

CROSSING GATE

CHAPTER 8

The diagram illustrates the electrical circuit for the Crossing Gate system. It shows the following components and connections:

- Crossing Gate (1602):** Connected to the Body Controller via a 12V line (E12).
- Body Builder (1006-15):** Connected to the Body Controller via an 18V line (AB9F).
- FWD CHASSIS / IP (1700):** Contains four relays (17, 63, 14, 14) and four magnets (NB9-G, NB9B, NB9A, NB9).
- Crossing Gate (1430):** Contains four magnets (GND, IGN 2A, ACTIVATION 50mA, 12V CONSTANT 2.5A MAX) and a 12V MAGNET.
- Connections:**
 - Body Controller (1602) connects to Body Builder (1006-15) via 18V line (AB9F).
 - Body Builder (1006-15) connects to FWD CHASSIS / IP (1700) via 18V line (AB9F).
 - FWD CHASSIS / IP (1700) connects to Crossing Gate (1430) via 18V lines (AB9A, AB9B, AB9, AB9-G).
 - Crossing Gate (1430) connects to Crossing Gate (1602) via 12V line (E12).

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
JKP	26 JAN 07	ADDED CIRC AB9E AND	A	60817W	U00K640	CIRCUIT DIAGRAM, BE, CE BUS
		AB9F. ADDED CONN 1006.			59974E	
					22 SEP 06	
					PART NO.	AE08-56601
					SHEET	15

Figure 74 Crossing Gate

8.16. BRAKE MONITORING (OPTIONAL), P. 16

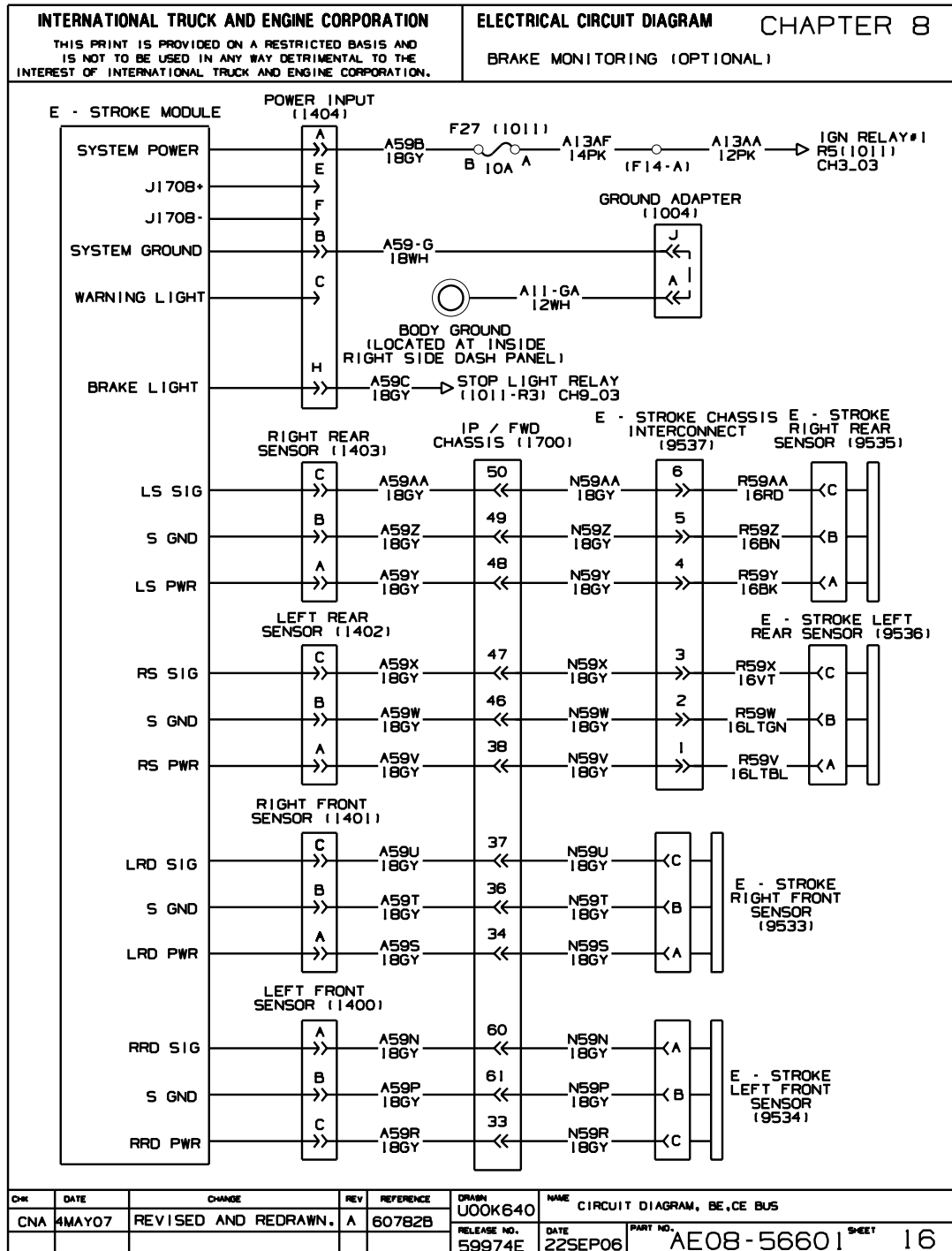


Figure 75 Brake Monitoring (Optional)

9. LIGHT SYSTEMS (CHAPTER 9)

9.1. BACK-UP LIGHTS / EXTERIOR LIGHT CHECK, P. 1

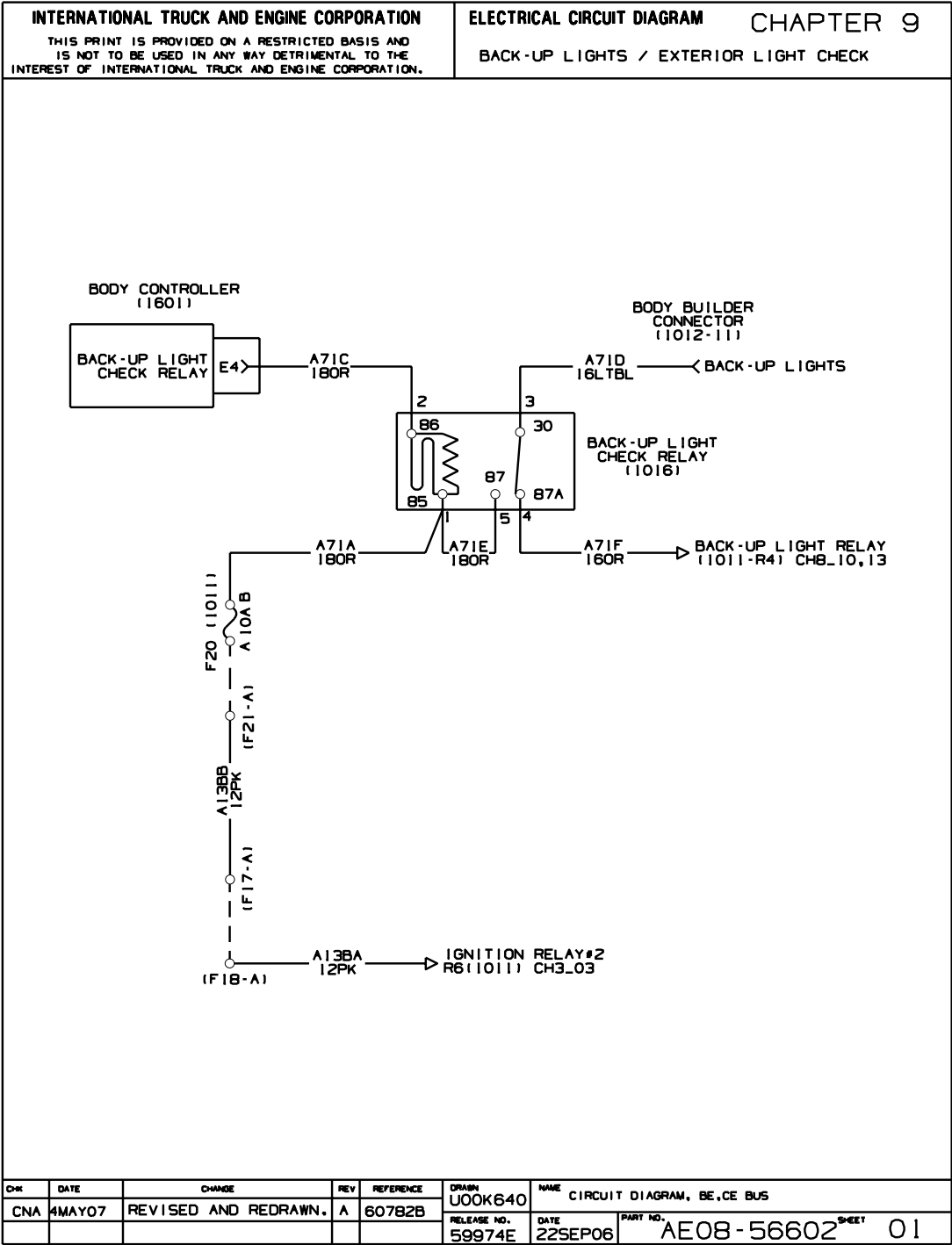


Figure 76 Back-Up Lights / Exterior Light Check

Figure 77 Fog Lights (Optional)



9.3. AIR BRAKE STOP SWITCHES AND STOP LIGHT RELAY, P. 3

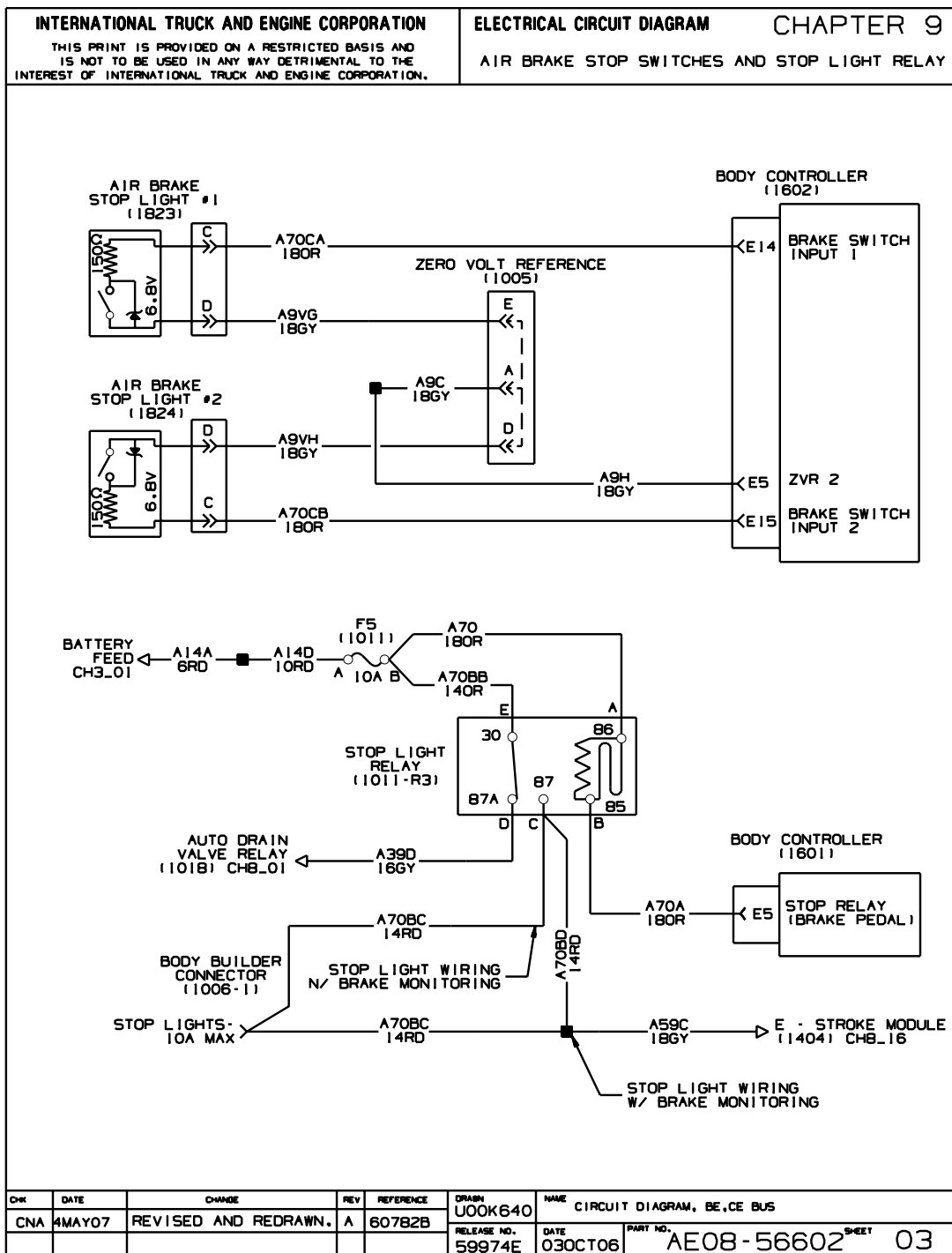


Figure 78 Air Brake Stop Switches and Stop Light Relay

9.4. HEADLIGHTS, MARKER, PARK, TURN, AND STOP LIGHT — N/PEDESTAL MOUNT LIGHTS, P. 4

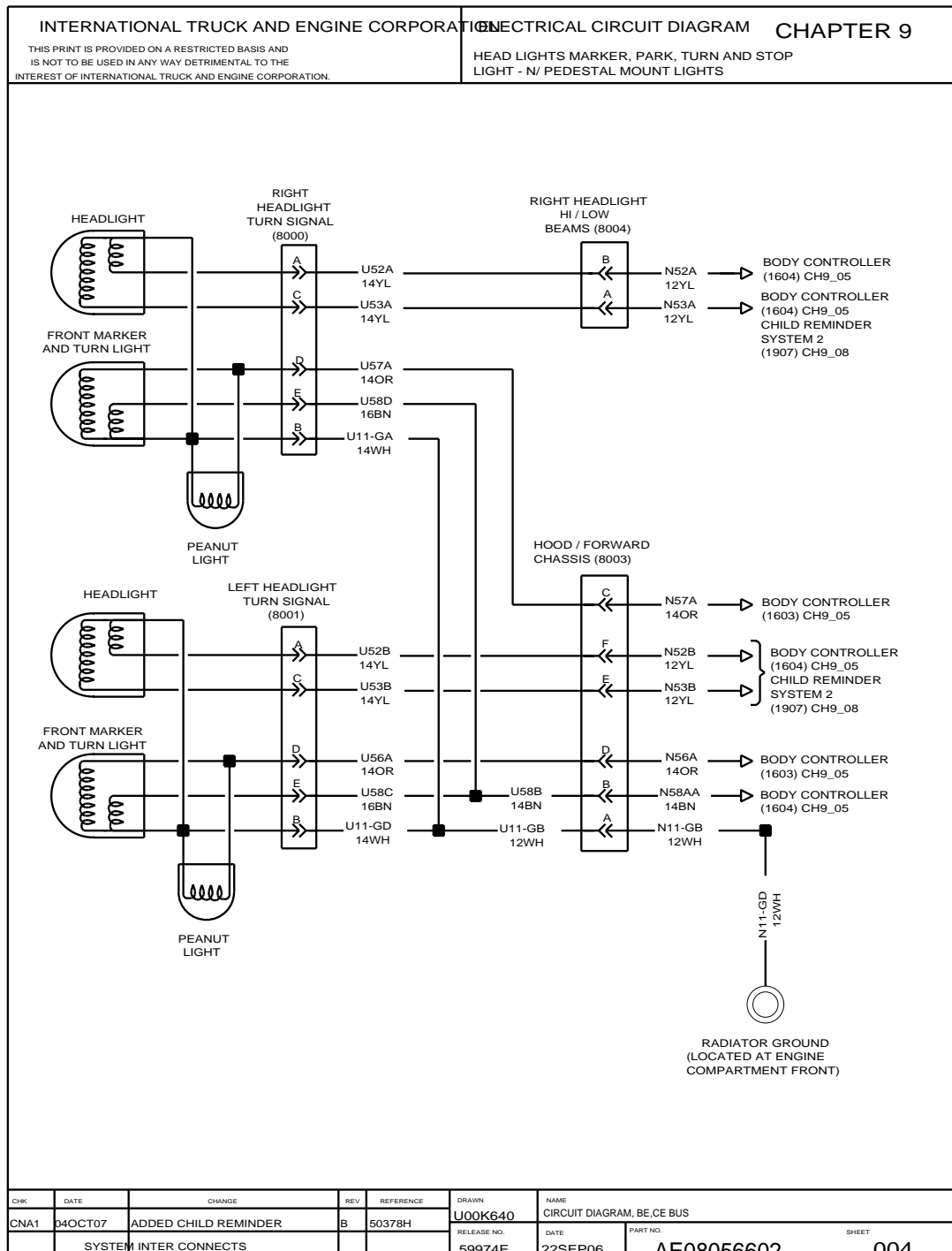


Figure 79 Headlights, Marker, Park, Turn, and Stop Light — N/Pedestal Mount Lights

9.5. HEADLIGHTS, MARKER, PARK, TURN, AND STOP LIGHT, P. 5

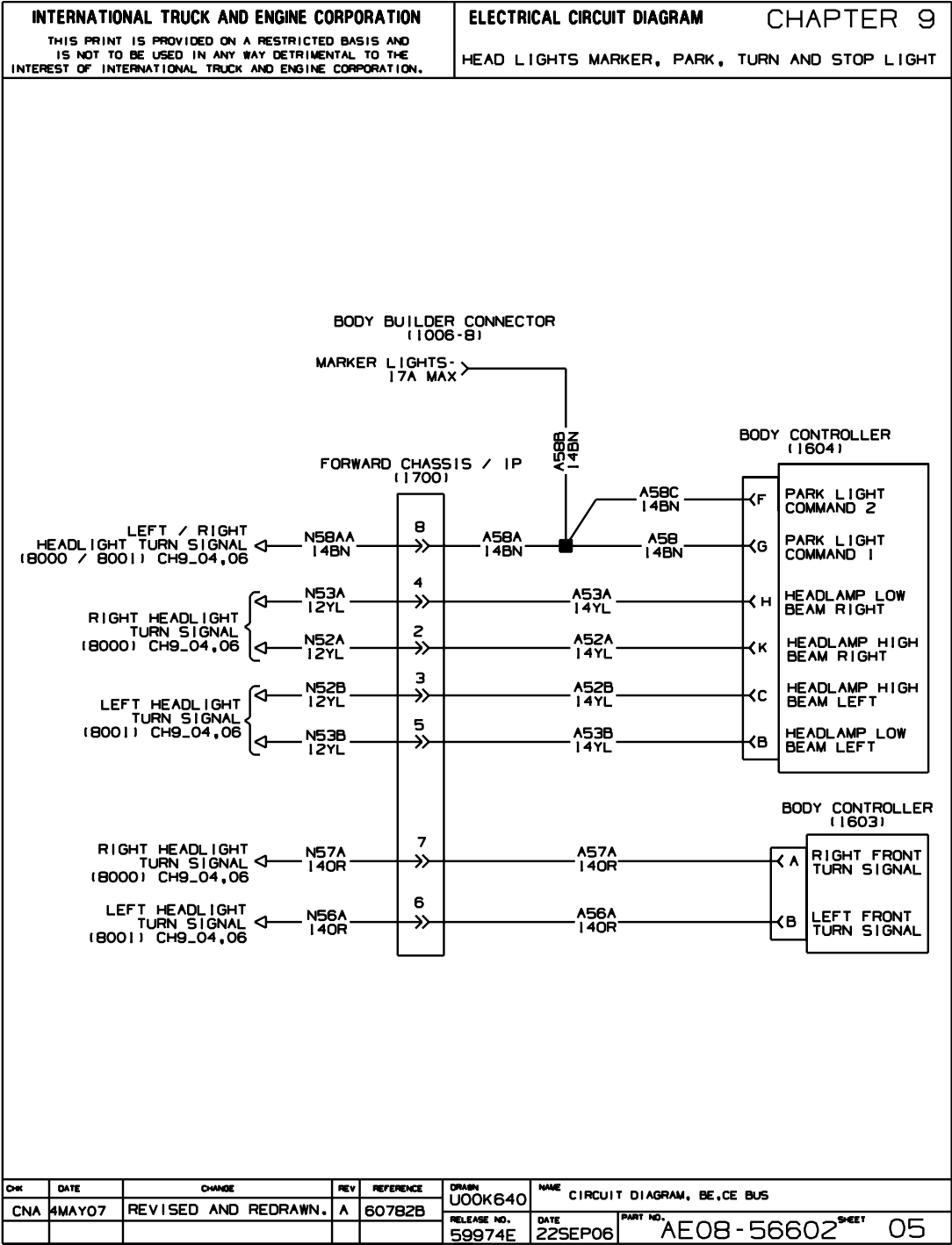


Figure 80 Headlights, Marker, Park, Turn, and Stop Light

9.6. HEADLIGHTS, MARKER, PARK, TURN, AND STOP LIGHT — WITH PEDESTAL MOUNT LIGHTS, P. 6

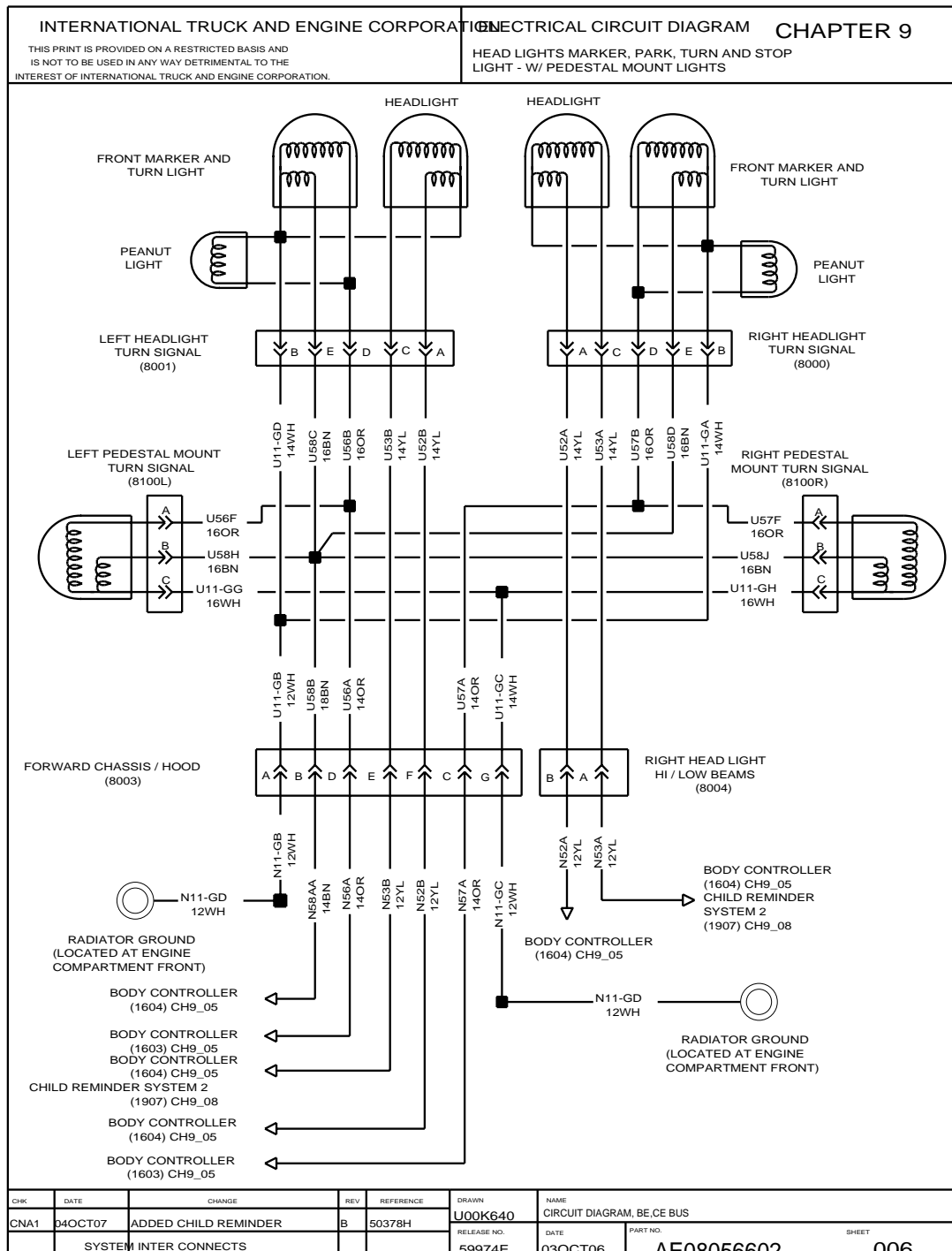


Figure 81 Headlights, Marker, Park, Turn, and Stop Light — with Pedestal Mount Lights

9.7. PANEL LIGHTS, P. 7

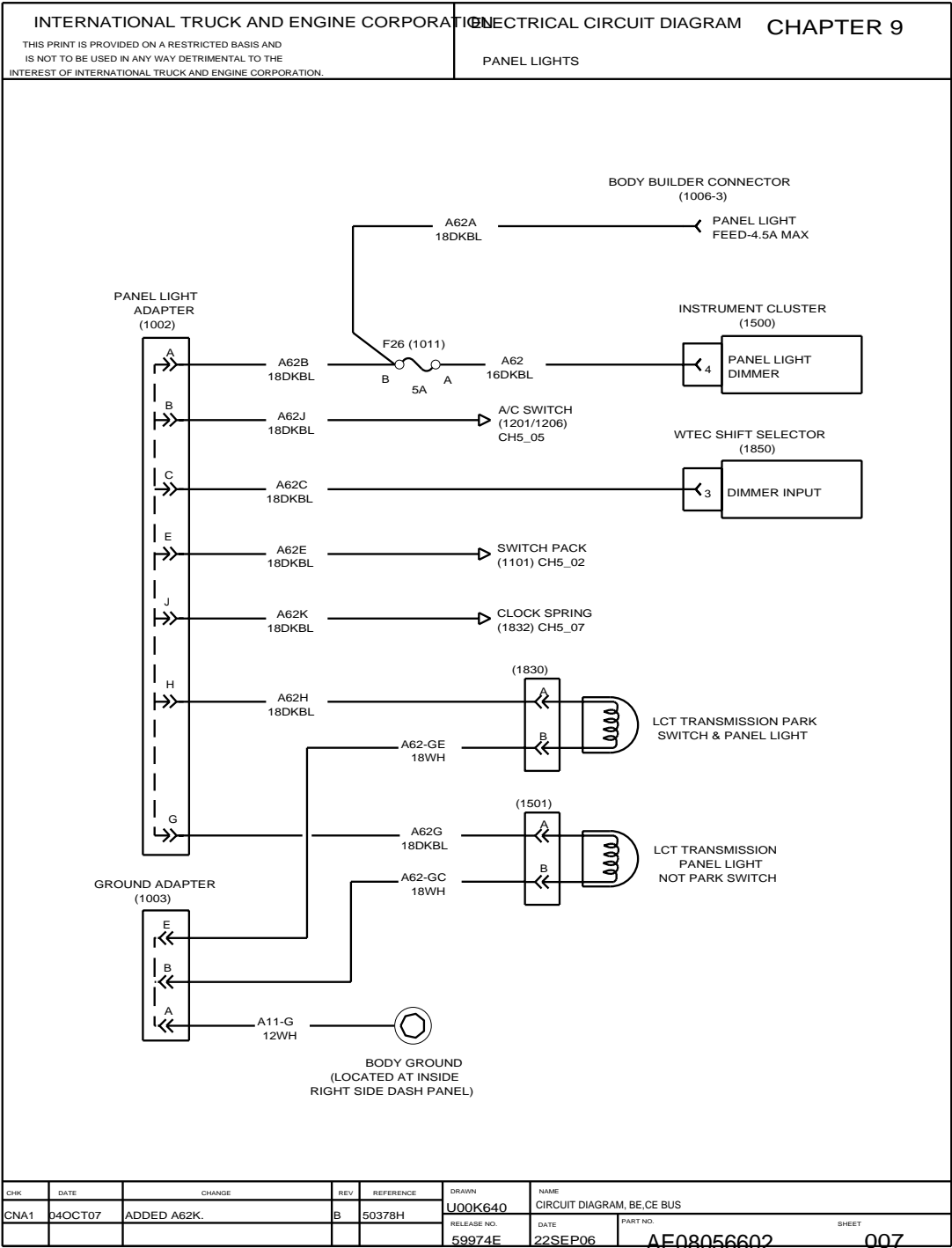


Figure 82 Panel Lights

9.8. CHILD REMINDER SYSTEM, P. 8

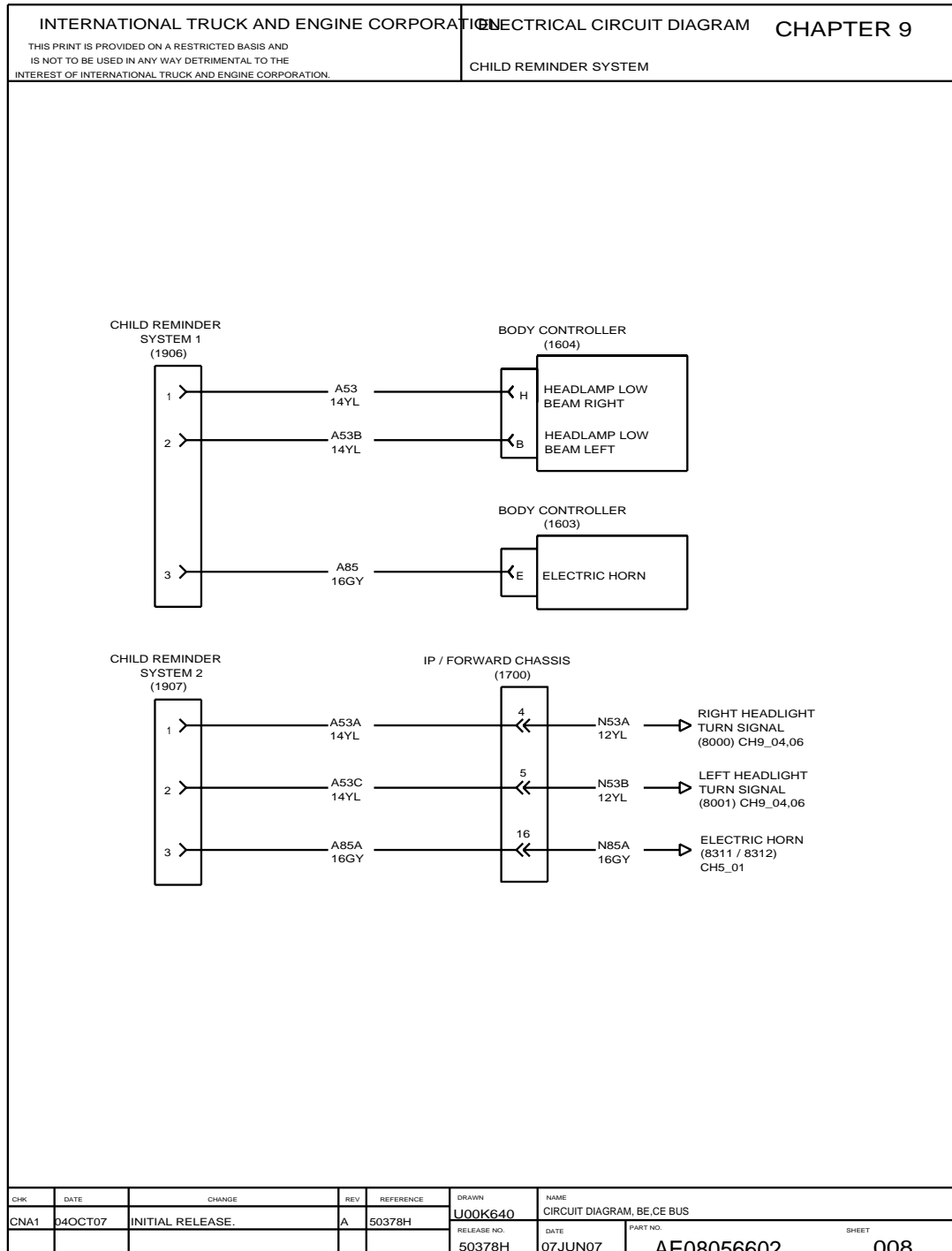


Figure 83 Child Reminder System

10. BODY BUILDER CONNECTION DATA (CHAPTER 10)

10.1. BODY BUILDER CONNECTIONS, P. 1

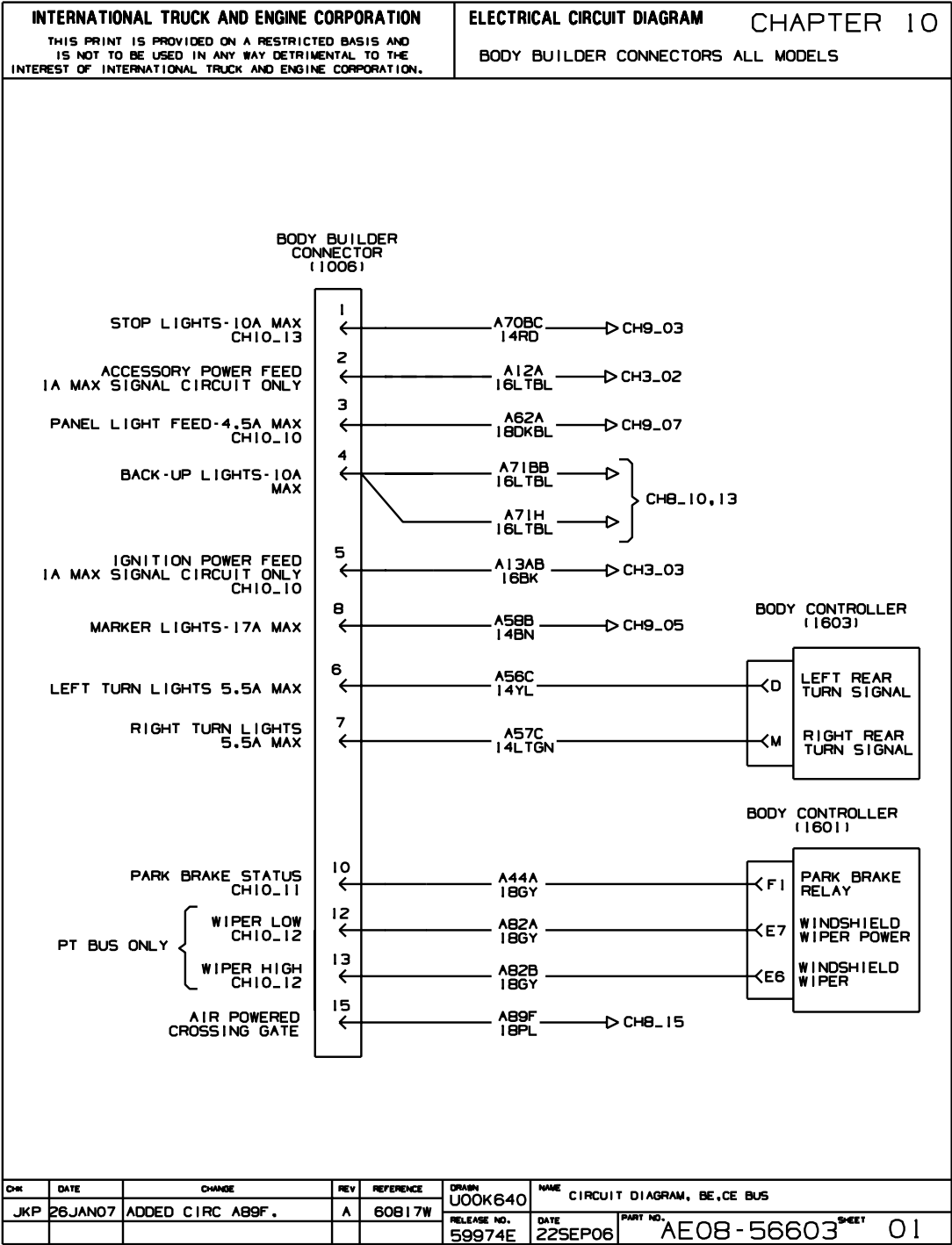


Figure 84 Body Builder Connections

10.2. BODY BUILDER CONNECTIONS, P. 2

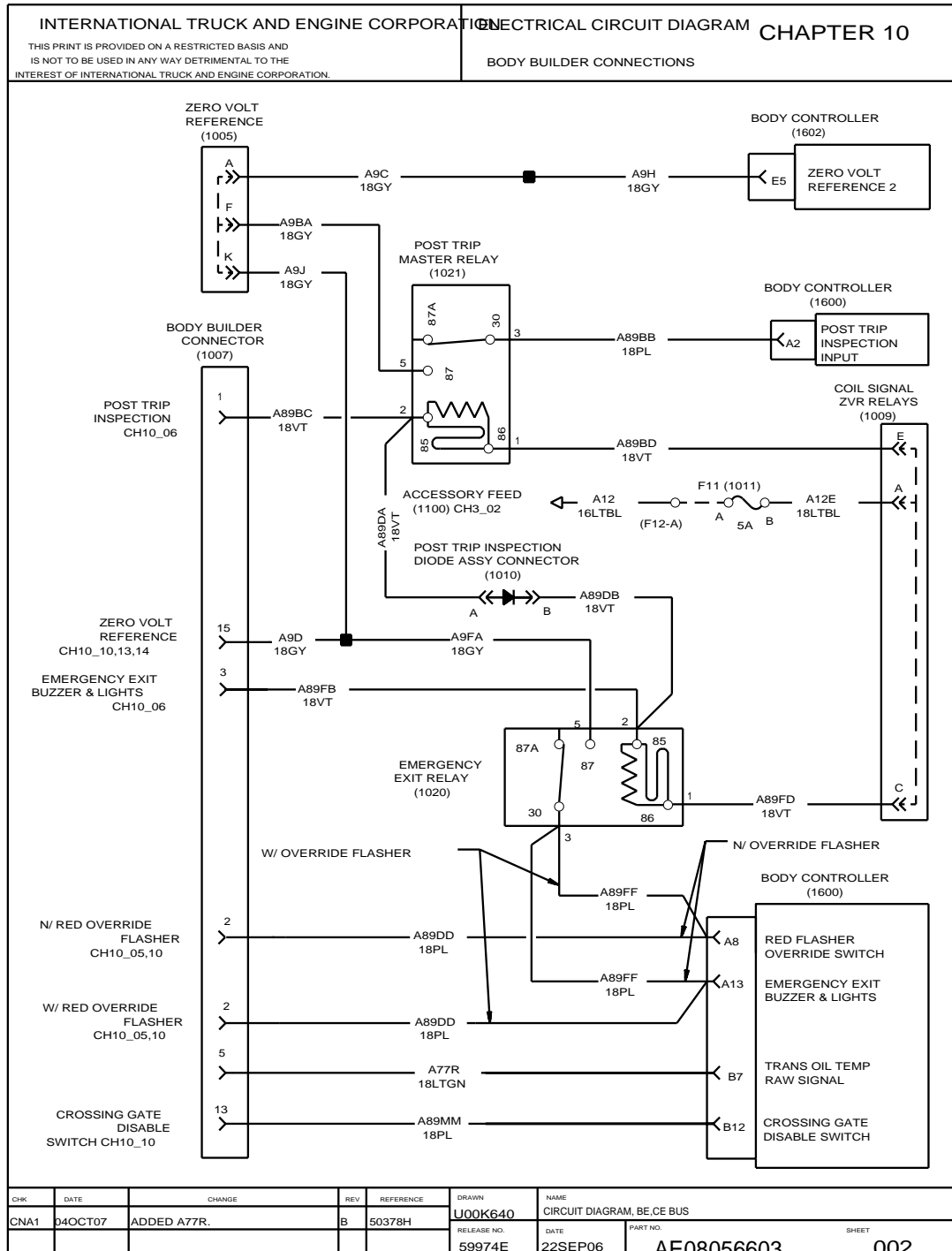


Figure 85 Body Builder Connections

10.3. BODY BUILDER CONNECTIONS, P. 3

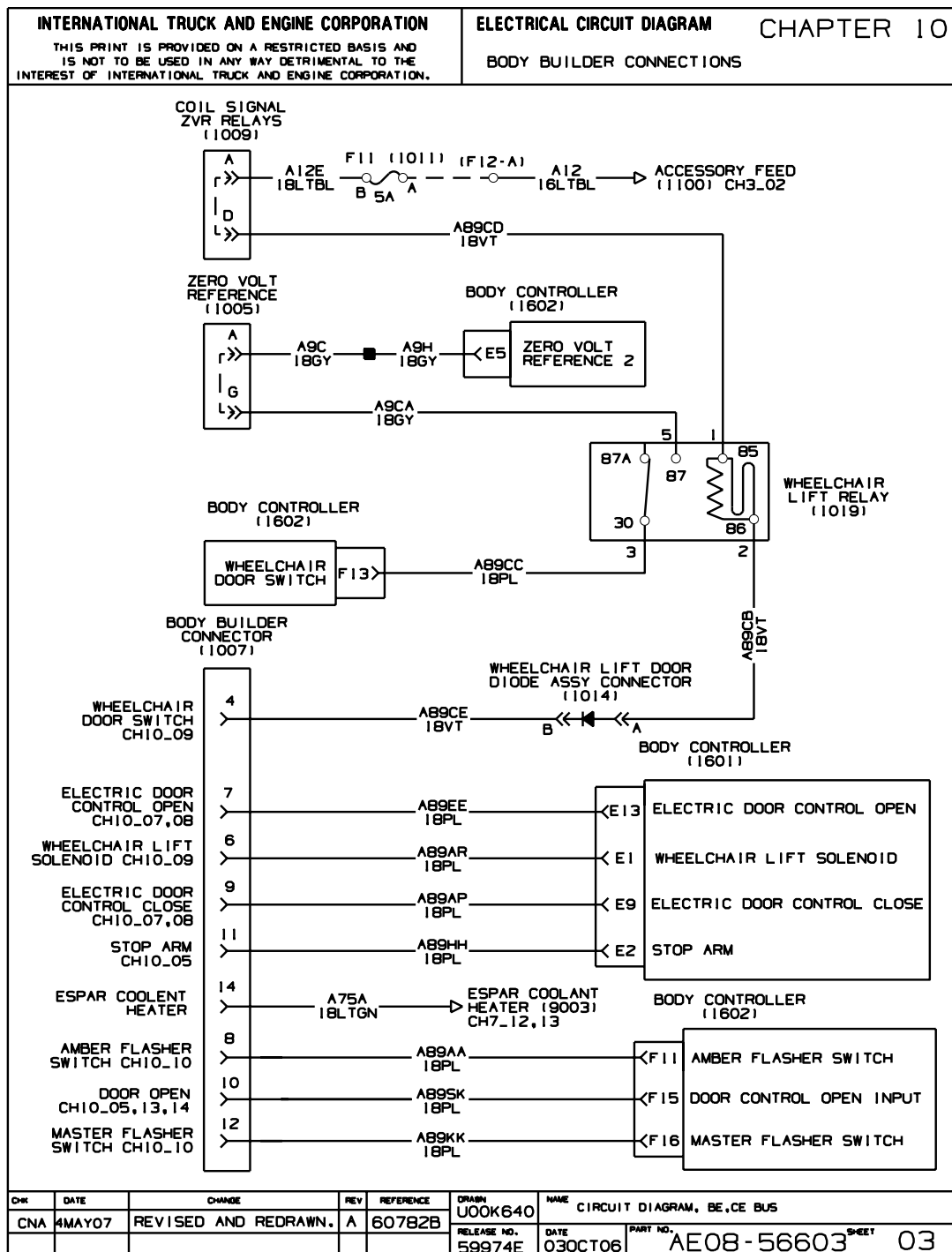


Figure 86 Body Builder Connections

10.4. BODY BUILDER CONNECTIONS, P. 4

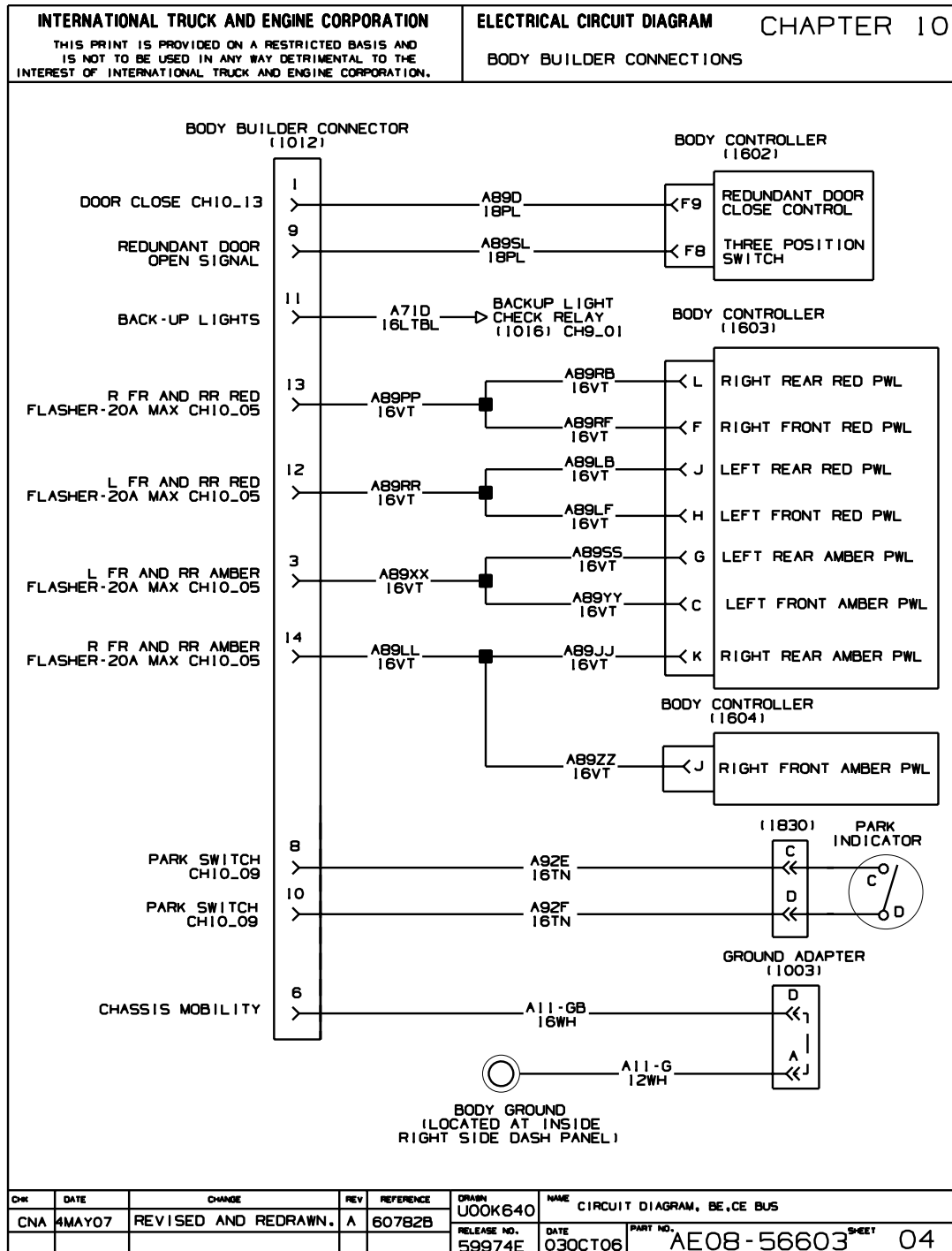


Figure 87 Body Builder Connections

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ELECTRICAL CIRCUIT DIAGRAM

CHAPTER 10

BODY BUILDER RECOMMENDED WIRING - STOP ARM & RED / AMBER LIGHTS

STOP ARM MOTOR RELAY

3 POSITION ROTARY SWITCH

STOP ARM

STOP ARM MOTOR

BODY BUILDER (1007)

BODY CONTROLLER (1600) CH10_02

BODY CONTROLLER (1602) CH10_03

BODY CONTROLLER (1601) CH10_03

BODY CONTROLLER (1603) CH10_04

BODY BUILDER (1012)

LEFT FRONT AMBER LIGHT

RIGHT FRONT AMBER LIGHT

LEFT FRONT RED LIGHT

RIGHT FRONT RED LIGHT

LEFT REAR AMBER LIGHT

RIGHT REAR AMBER LIGHT

LEFT REAR RED LIGHT

RIGHT REAR RED LIGHT

NOTE: RED & AMBER INDICATOR LIGHTS ARE LOCATED IN INSTRUMENT CLUSTER

CONN CAVITY	DOOR CLOSED "C"	RED FLASHER "R"	DOOR OPEN "O"
1007-2	OPEN	GND	GND
1007-10	OPEN	OPEN	GND

ROTARY SWITCH FUNCTION

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
CNA	4MAY07	REVISED AND REDRAWN.	A	60782B	U00K640	CIRCUIT DIAGRAM, BE,CE BUS
					RELEASE NO. 59974E	DATE 22SEP06
						PART NO. AE08-56603

SHEET 05

Figure 88 Stop Arm and Red / Amber Lights

10.6. EMERGENCY EXIT BUZZER LIGHTS AND POST TRIP INSPECTION, P. 6

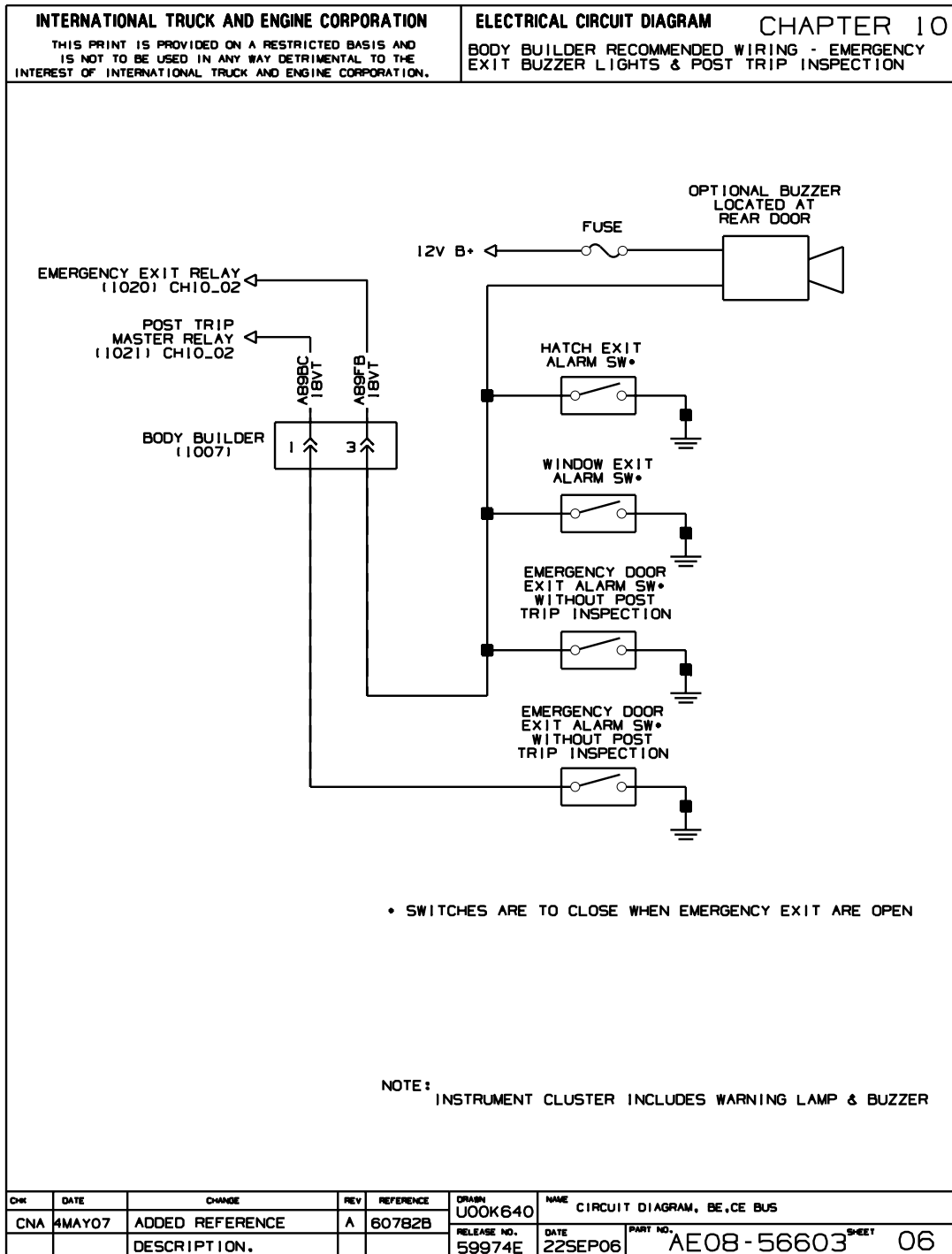


Figure 89 Emergency Exit Buzzer Lights and Post Trip Inspection

10.7. DOOR OPEN / CLOSE WITH ELECTRICAL CONTROL, P. 7

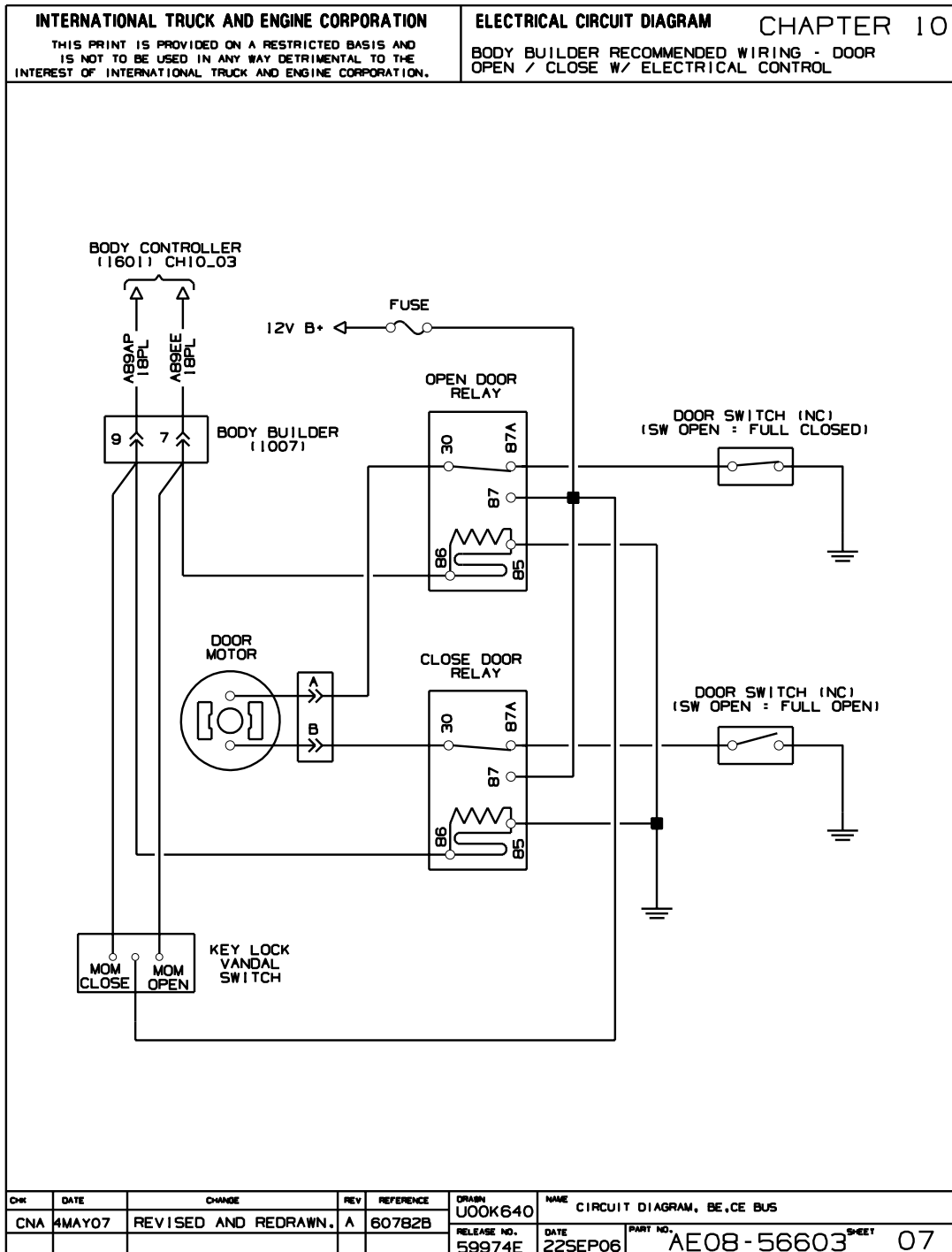


Figure 90 Door Open / Close with Electrical Control

10.8. DOOR OPEN / CLOSE WITH AIR CONTROL, P. 8

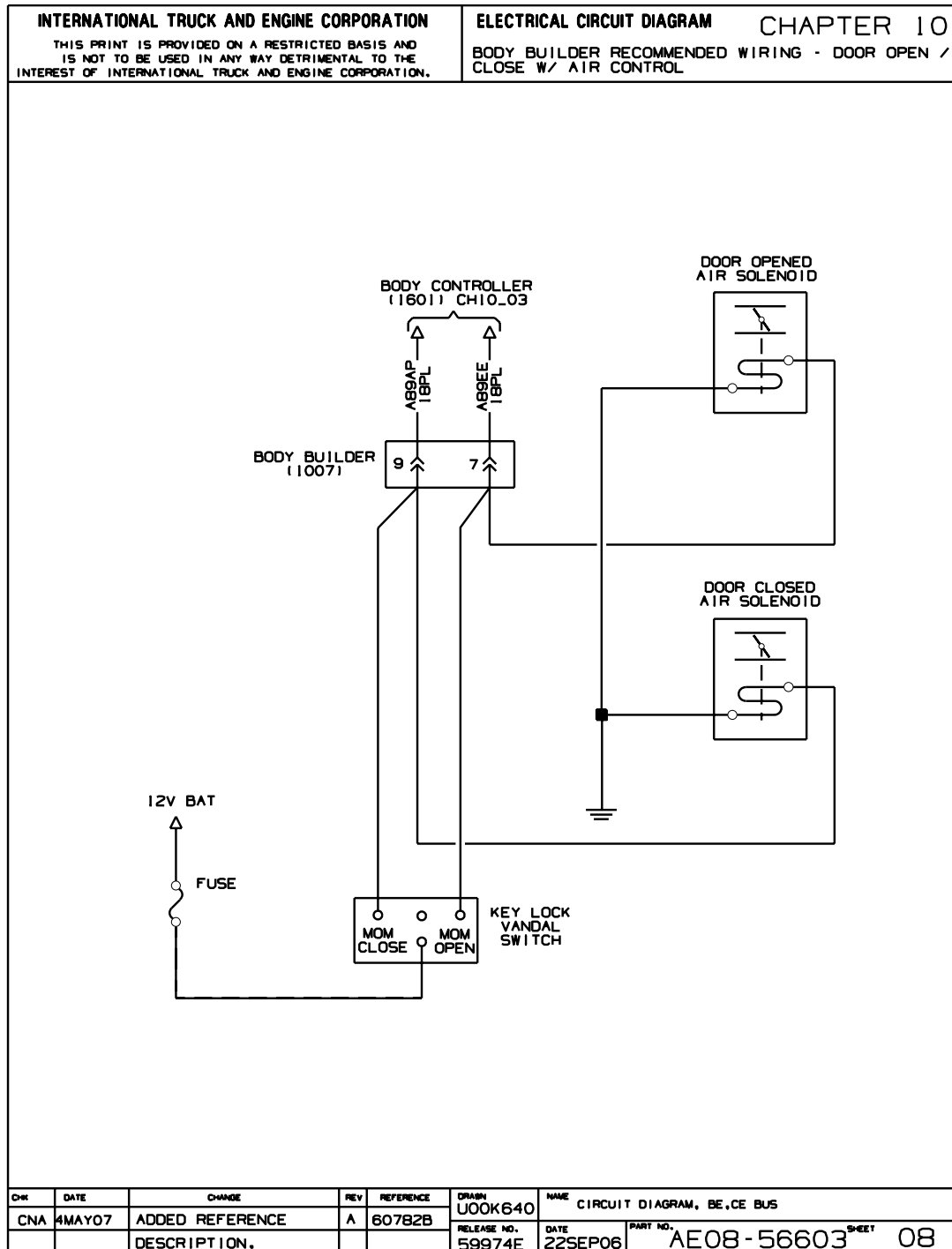


Figure 91 Door Open / Close with Air Control

10.9. WHEELCHAIR LIFT INTERLOCK, P. 9

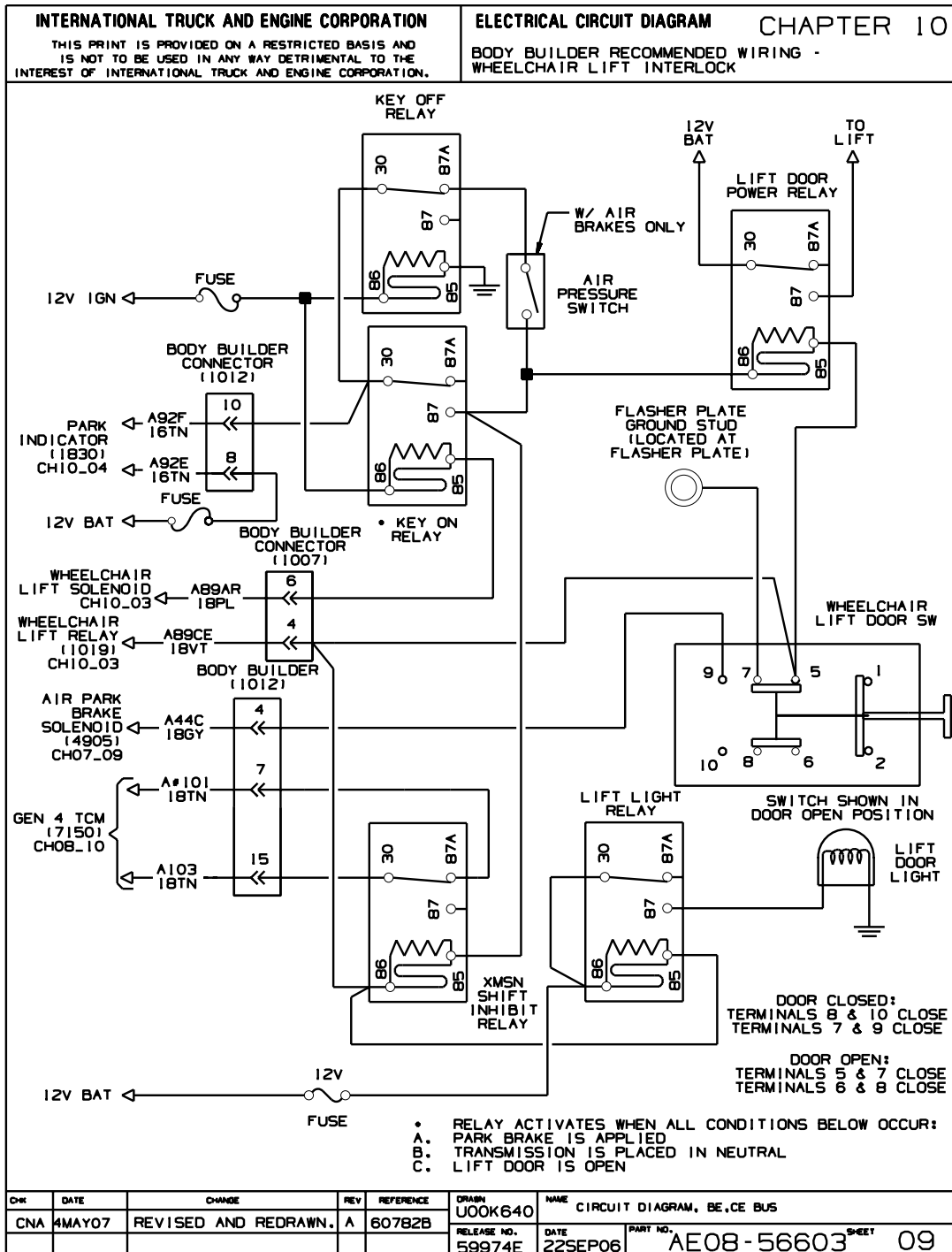


Figure 92 Wheelchair Lift Interlock

10.10. FLASHER SWITCHES, P. 10

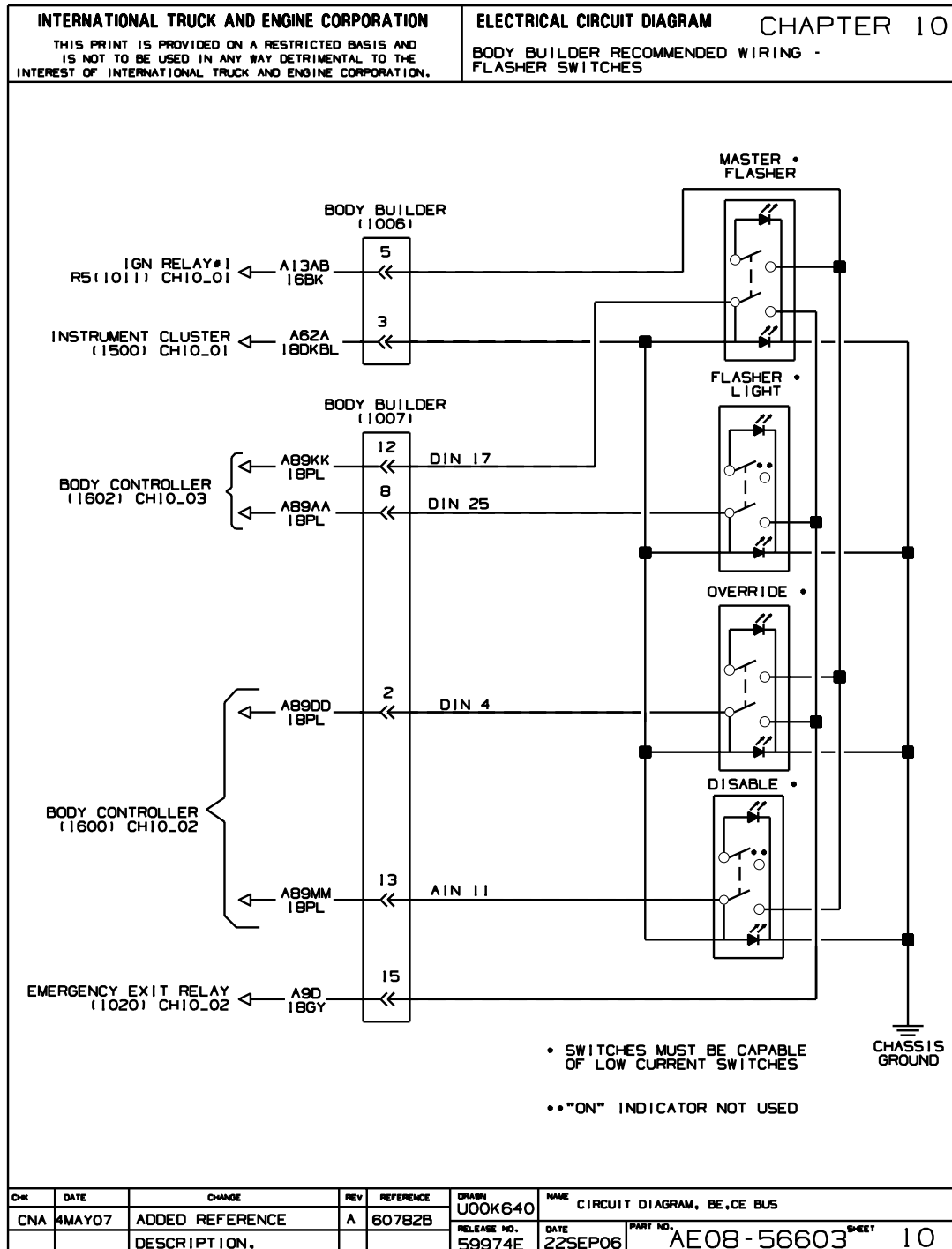


Figure 93 Flasher Switches

10.11. PARK BRAKE STATUS, P. 11

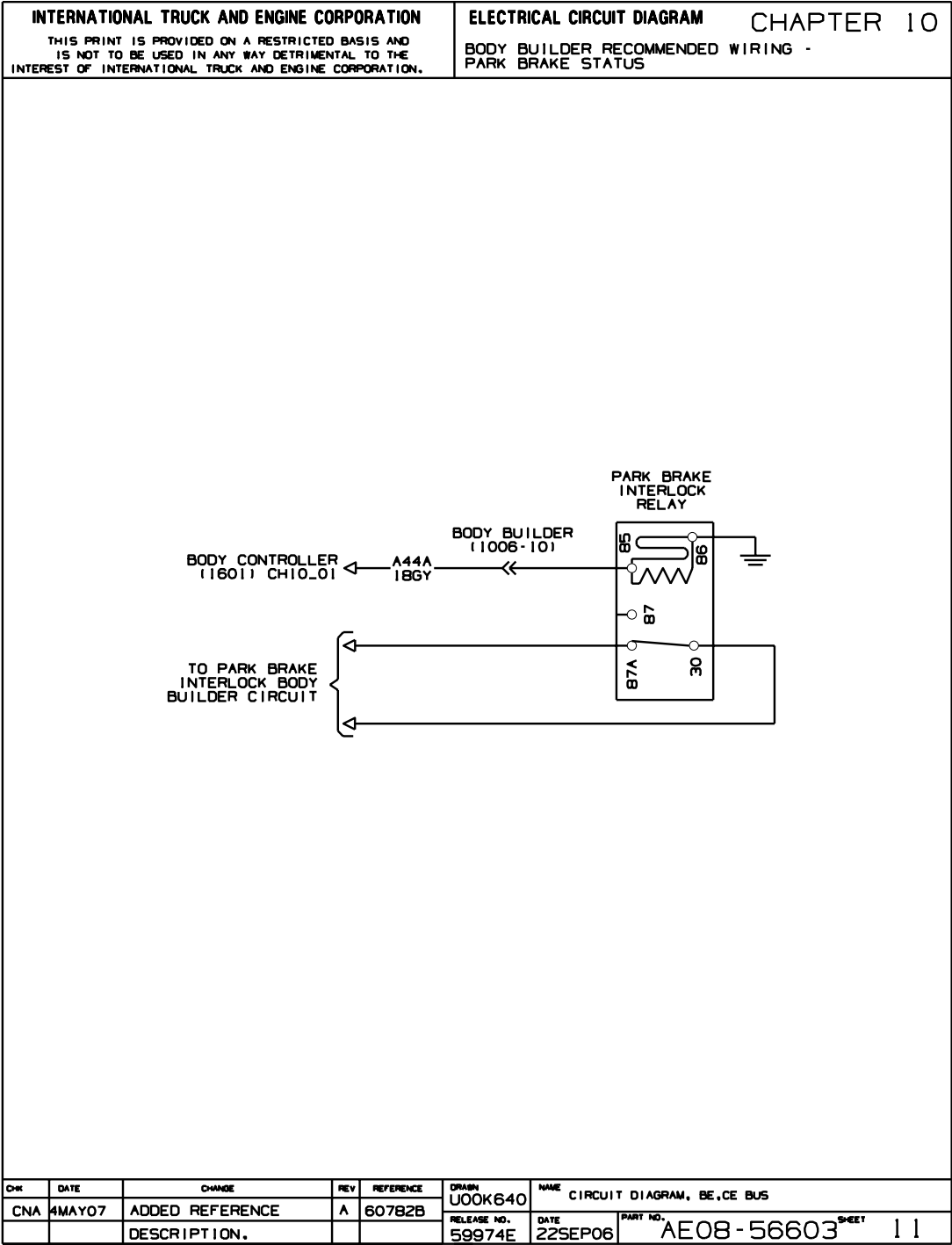


Figure 94 Park Brake Status

10.12. DUAL WIPER MOTORS FOR PT, P. 12

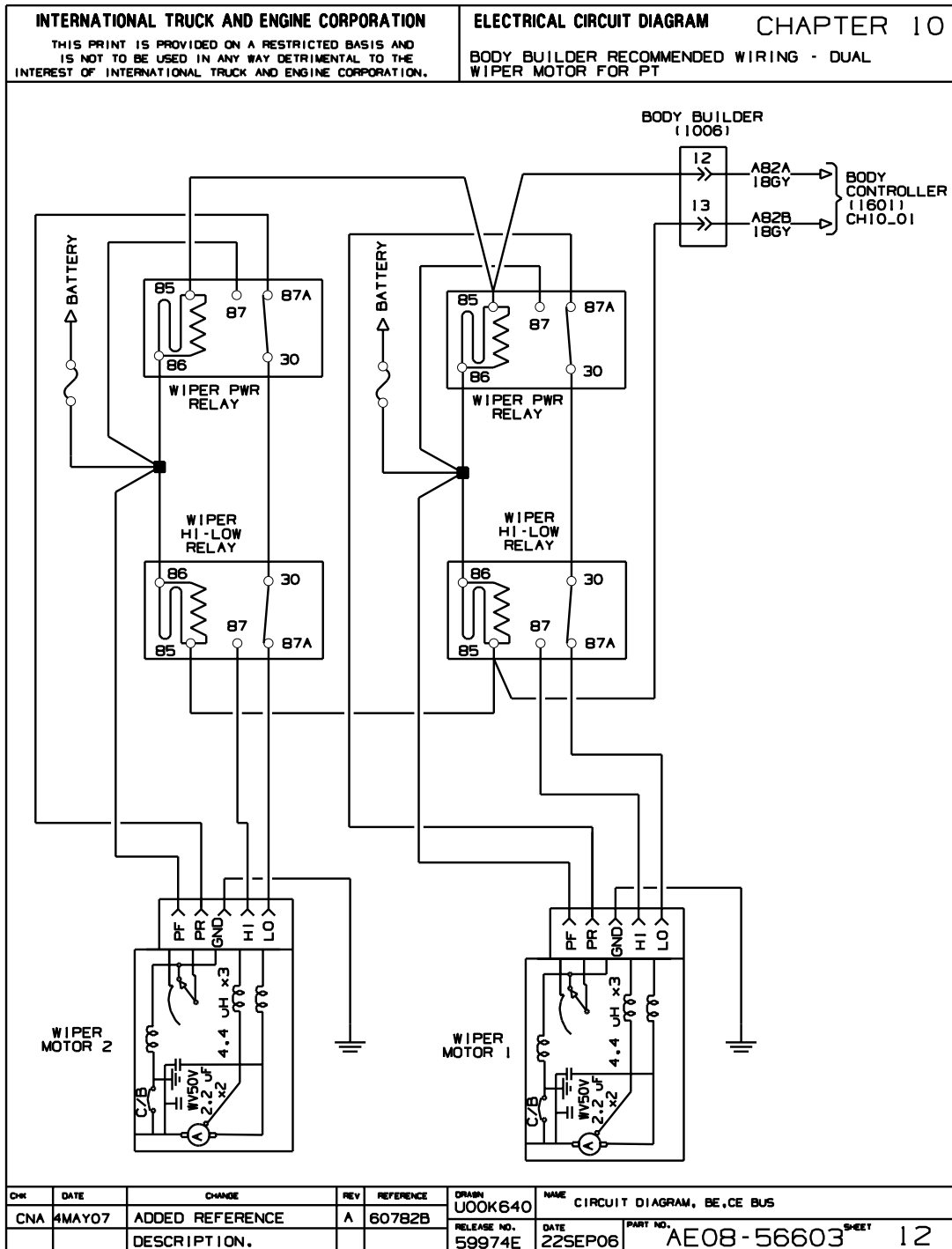


Figure 95 Dual Wiper Motors for PT

10.13. REDUNDANT DOOR CONTROLS, P. 13

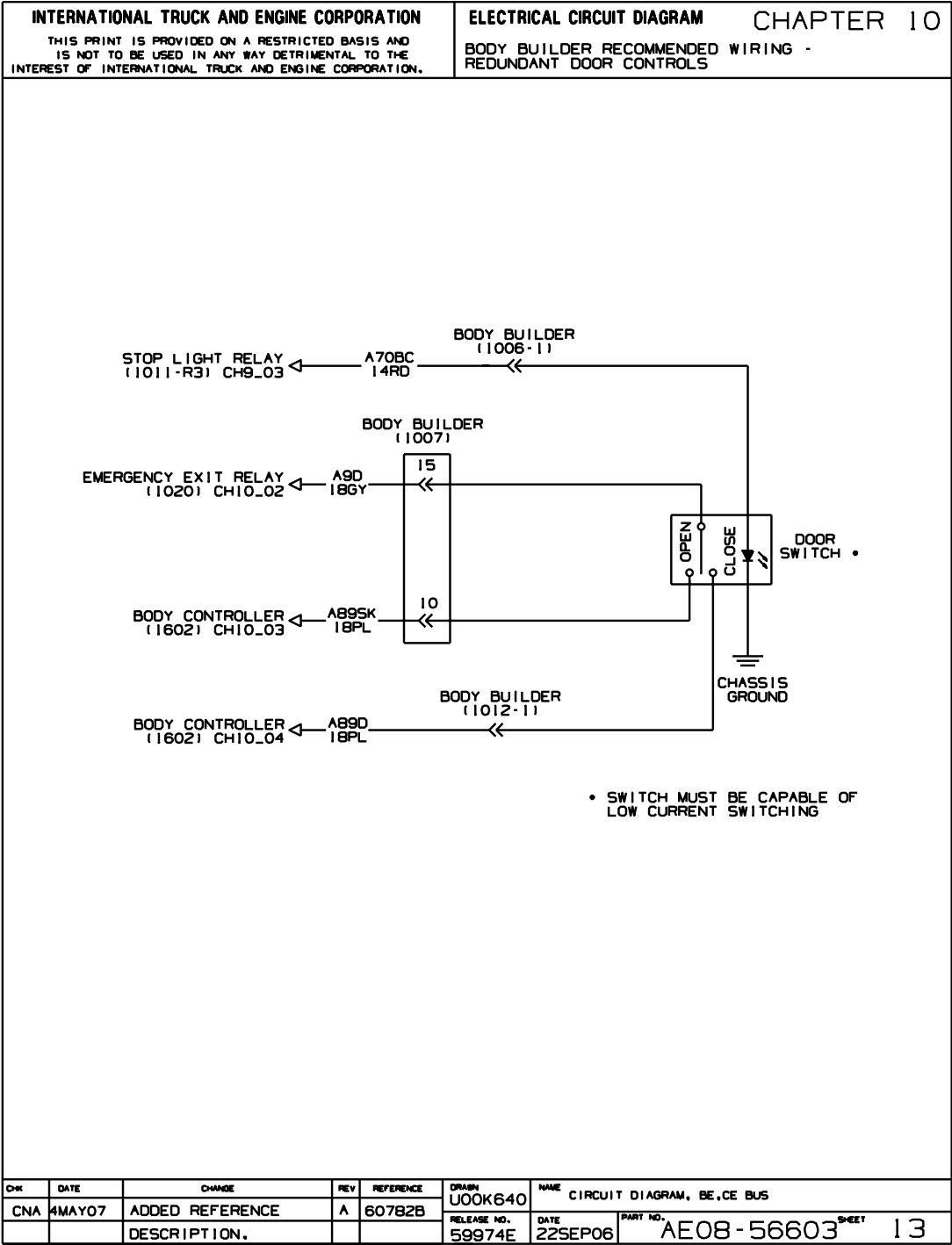


Figure 96 Redundant Door Controls, p. 13

10.14. MANUAL DOOR CONTROLS, P. 14

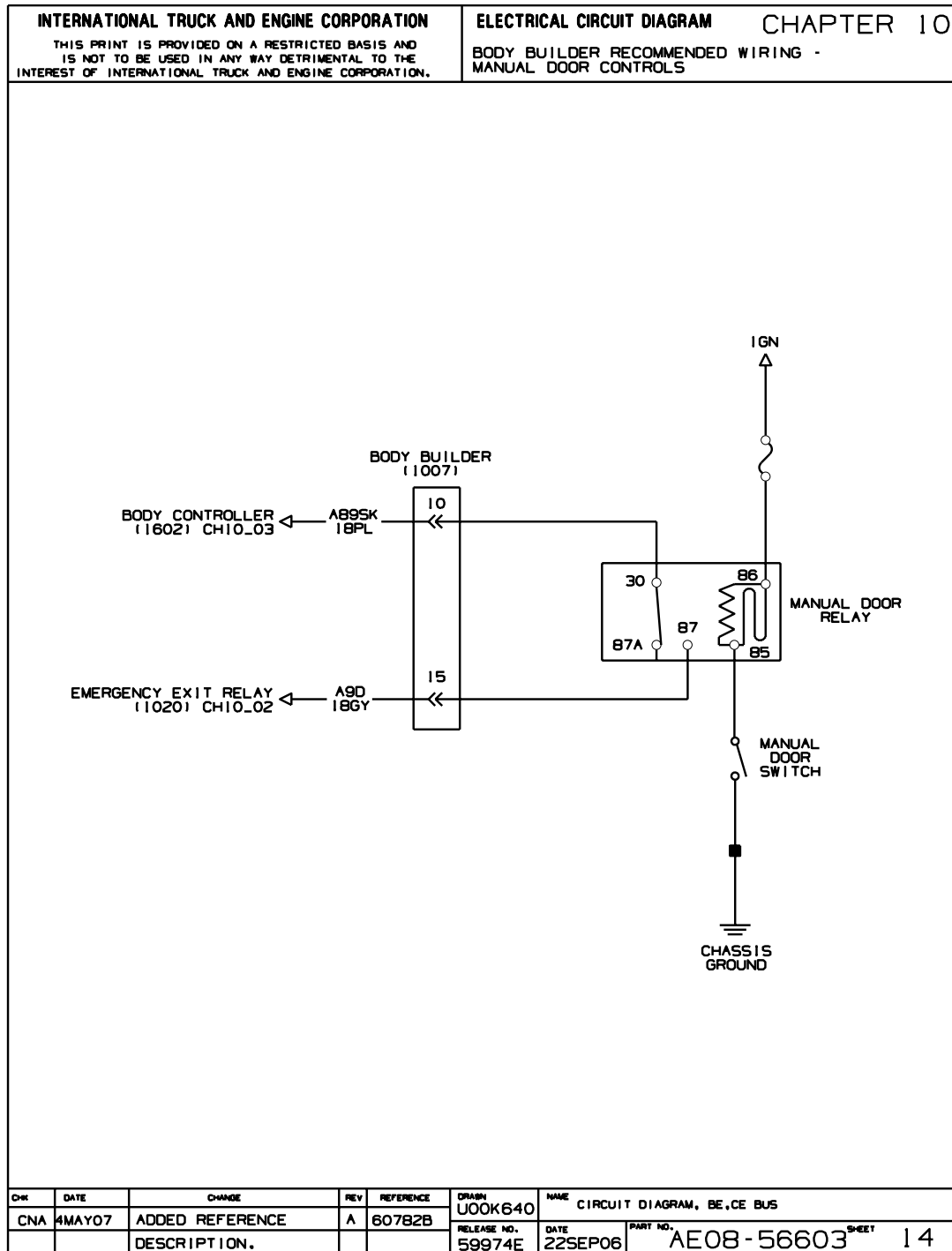


Figure 97 Manual Door Controls

11. CONNECTOR COMPOSITES (CHAPTER 11)

11.1. CONNECTOR COMPOSITES (1002), (1003), (1004), P. 1

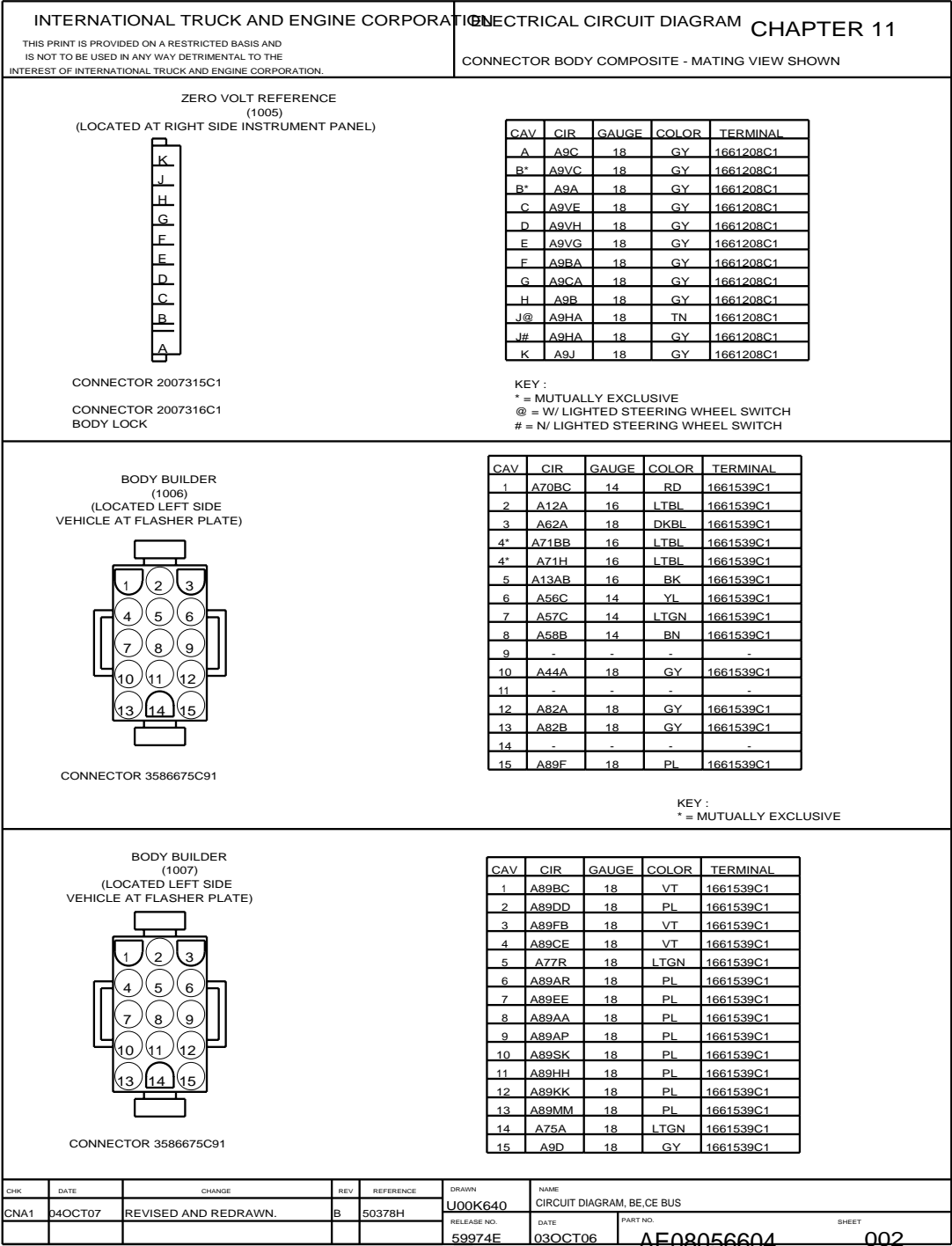


Figure 98 Connector Composites (1002), (1003), (1004)

11.2. CONNECTOR COMPOSITES (1005), (1006), (1007), P. 2


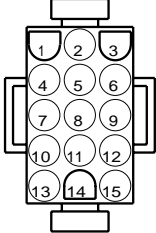
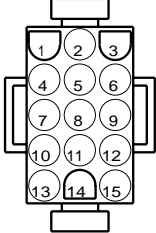
INTERNATIONAL TRUCK AND ENGINE CORPORATION				ELECTRICAL CIRCUIT DIAGRAM CHAPTER 11																																																																																						
THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF INTERNATIONAL TRUCK AND ENGINE CORPORATION.				CONNECTOR BODY COMPOSITE - MATING VIEW SHOWN																																																																																						
<p style="text-align: center;">ZERO VOLT REFERENCE (1005) (LOCATED AT RIGHT SIDE INSTRUMENT PANEL)</p>  <p style="text-align: center;">CONNECTOR 2007315C1 CONNECTOR 2007316C1 BODY LOCK</p>				<table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th>CAV</th> <th>CIR</th> <th>GAUGE</th> <th>COLOR</th> <th>TERMINAL</th> </tr> </thead> <tbody> <tr><td>A</td><td>A9C</td><td>18</td><td>GY</td><td>1661208C1</td></tr> <tr><td>B*</td><td>A9VC</td><td>18</td><td>GY</td><td>1661208C1</td></tr> <tr><td>B*</td><td>A9A</td><td>18</td><td>GY</td><td>1661208C1</td></tr> <tr><td>C</td><td>A9VE</td><td>18</td><td>GY</td><td>1661208C1</td></tr> <tr><td>D</td><td>A9VH</td><td>18</td><td>GY</td><td>1661208C1</td></tr> <tr><td>E</td><td>A9VG</td><td>18</td><td>GY</td><td>1661208C1</td></tr> <tr><td>F</td><td>A9BA</td><td>18</td><td>GY</td><td>1661208C1</td></tr> <tr><td>G</td><td>A9CA</td><td>18</td><td>GY</td><td>1661208C1</td></tr> <tr><td>H</td><td>A9B</td><td>18</td><td>GY</td><td>1661208C1</td></tr> <tr><td>J@</td><td>A9HA</td><td>18</td><td>TN</td><td>1661208C1</td></tr> <tr><td>J#</td><td>A9HA</td><td>18</td><td>GY</td><td>1661208C1</td></tr> <tr><td>K</td><td>A9J</td><td>18</td><td>GY</td><td>1661208C1</td></tr> </tbody> </table> <p style="text-align: center;">KEY : * = MUTUALLY EXCLUSIVE @ = W/ LIGHTED STEERING WHEEL SWITCH # = N/ LIGHTED STEERING WHEEL SWITCH</p>		CAV	CIR	GAUGE	COLOR	TERMINAL	A	A9C	18	GY	1661208C1	B*	A9VC	18	GY	1661208C1	B*	A9A	18	GY	1661208C1	C	A9VE	18	GY	1661208C1	D	A9VH	18	GY	1661208C1	E	A9VG	18	GY	1661208C1	F	A9BA	18	GY	1661208C1	G	A9CA	18	GY	1661208C1	H	A9B	18	GY	1661208C1	J@	A9HA	18	TN	1661208C1	J#	A9HA	18	GY	1661208C1	K	A9J	18	GY	1661208C1																				
CAV	CIR	GAUGE	COLOR	TERMINAL																																																																																						
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C	A9VE	18	GY	1661208C1																																																																																						
D	A9VH	18	GY	1661208C1																																																																																						
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G	A9CA	18	GY	1661208C1																																																																																						
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<p style="text-align: center;">BODY BUILDER (1006) (LOCATED LEFT SIDE VEHICLE AT FLASHER PLATE)</p>  <p style="text-align: center;">CONNECTOR 3586675C91</p>				<table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th>CAV</th> <th>CIR</th> <th>GAUGE</th> <th>COLOR</th> <th>TERMINAL</th> </tr> </thead> <tbody> <tr><td>1</td><td>A70BC</td><td>14</td><td>RD</td><td>1661539C1</td></tr> <tr><td>2</td><td>A12A</td><td>16</td><td>LTBL</td><td>1661539C1</td></tr> <tr><td>3</td><td>A62A</td><td>18</td><td>DKBL</td><td>1661539C1</td></tr> <tr><td>4*</td><td>A71BB</td><td>16</td><td>LTBL</td><td>1661539C1</td></tr> <tr><td>4*</td><td>A71H</td><td>16</td><td>LTBL</td><td>1661539C1</td></tr> <tr><td>5</td><td>A13AB</td><td>16</td><td>BK</td><td>1661539C1</td></tr> <tr><td>6</td><td>A56C</td><td>14</td><td>YL</td><td>1661539C1</td></tr> <tr><td>7</td><td>A57C</td><td>14</td><td>LTGN</td><td>1661539C1</td></tr> <tr><td>8</td><td>A58B</td><td>14</td><td>BN</td><td>1661539C1</td></tr> <tr><td>9</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>10</td><td>A44A</td><td>18</td><td>GY</td><td>1661539C1</td></tr> <tr><td>11</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>12</td><td>A82A</td><td>18</td><td>GY</td><td>1661539C1</td></tr> <tr><td>13</td><td>A82B</td><td>18</td><td>GY</td><td>1661539C1</td></tr> <tr><td>14</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>15</td><td>A89F</td><td>18</td><td>PL</td><td>1661539C1</td></tr> </tbody> </table> <p style="text-align: center;">KEY : * = MUTUALLY EXCLUSIVE</p>		CAV	CIR	GAUGE	COLOR	TERMINAL	1	A70BC	14	RD	1661539C1	2	A12A	16	LTBL	1661539C1	3	A62A	18	DKBL	1661539C1	4*	A71BB	16	LTBL	1661539C1	4*	A71H	16	LTBL	1661539C1	5	A13AB	16	BK	1661539C1	6	A56C	14	YL	1661539C1	7	A57C	14	LTGN	1661539C1	8	A58B	14	BN	1661539C1	9	-	-	-	-	10	A44A	18	GY	1661539C1	11	-	-	-	-	12	A82A	18	GY	1661539C1	13	A82B	18	GY	1661539C1	14	-	-	-	-	15	A89F	18	PL	1661539C1
CAV	CIR	GAUGE	COLOR	TERMINAL																																																																																						
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4*	A71BB	16	LTBL	1661539C1																																																																																						
4*	A71H	16	LTBL	1661539C1																																																																																						
5	A13AB	16	BK	1661539C1																																																																																						
6	A56C	14	YL	1661539C1																																																																																						
7	A57C	14	LTGN	1661539C1																																																																																						
8	A58B	14	BN	1661539C1																																																																																						
9	-	-	-	-																																																																																						
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11	-	-	-	-																																																																																						
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<p style="text-align: center;">BODY BUILDER (1007) (LOCATED LEFT SIDE VEHICLE AT FLASHER PLATE)</p>  <p style="text-align: center;">CONNECTOR 3586675C91</p>				<table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th>CAV</th> <th>CIR</th> <th>GAUGE</th> <th>COLOR</th> <th>TERMINAL</th> </tr> </thead> <tbody> <tr><td>1</td><td>A89BC</td><td>18</td><td>VT</td><td>1661539C1</td></tr> <tr><td>2</td><td>A89DD</td><td>18</td><td>PL</td><td>1661539C1</td></tr> <tr><td>3</td><td>A89FB</td><td>18</td><td>VT</td><td>1661539C1</td></tr> <tr><td>4</td><td>A89CE</td><td>18</td><td>VT</td><td>1661539C1</td></tr> <tr><td>5</td><td>A77R</td><td>18</td><td>LTGN</td><td>1661539C1</td></tr> <tr><td>6</td><td>A89AR</td><td>18</td><td>PL</td><td>1661539C1</td></tr> <tr><td>7</td><td>A89EE</td><td>18</td><td>PL</td><td>1661539C1</td></tr> <tr><td>8</td><td>A89AA</td><td>18</td><td>PL</td><td>1661539C1</td></tr> <tr><td>9</td><td>A89AP</td><td>18</td><td>PL</td><td>1661539C1</td></tr> <tr><td>10</td><td>A89SK</td><td>18</td><td>PL</td><td>1661539C1</td></tr> <tr><td>11</td><td>A89HH</td><td>18</td><td>PL</td><td>1661539C1</td></tr> <tr><td>12</td><td>A89KK</td><td>18</td><td>PL</td><td>1661539C1</td></tr> <tr><td>13</td><td>A89MM</td><td>18</td><td>PL</td><td>1661539C1</td></tr> <tr><td>14</td><td>A75A</td><td>18</td><td>LTGN</td><td>1661539C1</td></tr> <tr><td>15</td><td>A9D</td><td>18</td><td>GY</td><td>1661539C1</td></tr> </tbody> </table>		CAV	CIR	GAUGE	COLOR	TERMINAL	1	A89BC	18	VT	1661539C1	2	A89DD	18	PL	1661539C1	3	A89FB	18	VT	1661539C1	4	A89CE	18	VT	1661539C1	5	A77R	18	LTGN	1661539C1	6	A89AR	18	PL	1661539C1	7	A89EE	18	PL	1661539C1	8	A89AA	18	PL	1661539C1	9	A89AP	18	PL	1661539C1	10	A89SK	18	PL	1661539C1	11	A89HH	18	PL	1661539C1	12	A89KK	18	PL	1661539C1	13	A89MM	18	PL	1661539C1	14	A75A	18	LTGN	1661539C1	15	A9D	18	GY	1661539C1					
CAV	CIR	GAUGE	COLOR	TERMINAL																																																																																						
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7	A89EE	18	PL	1661539C1																																																																																						
8	A89AA	18	PL	1661539C1																																																																																						
9	A89AP	18	PL	1661539C1																																																																																						
10	A89SK	18	PL	1661539C1																																																																																						
11	A89HH	18	PL	1661539C1																																																																																						
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13	A89MM	18	PL	1661539C1																																																																																						
14	A75A	18	LTGN	1661539C1																																																																																						
15	A9D	18	GY	1661539C1																																																																																						
CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME																																																																																				
CNA1	04OCT07	REVISED AND REDRAWN.	B	50378H	U00K640	CIRCUIT DIAGRAM, BE, CE BUS																																																																																				
					RELEASE NO. 59974E	DATE 03OCT06																																																																																				
						PART NO. AE08056604																																																																																				
						SHEET 002																																																																																				

Figure 99 Connector Composites (1005), (1006), (1007)

11.3. CONNECTOR COMPOSITES (1009), (1010), (1011), P. 3

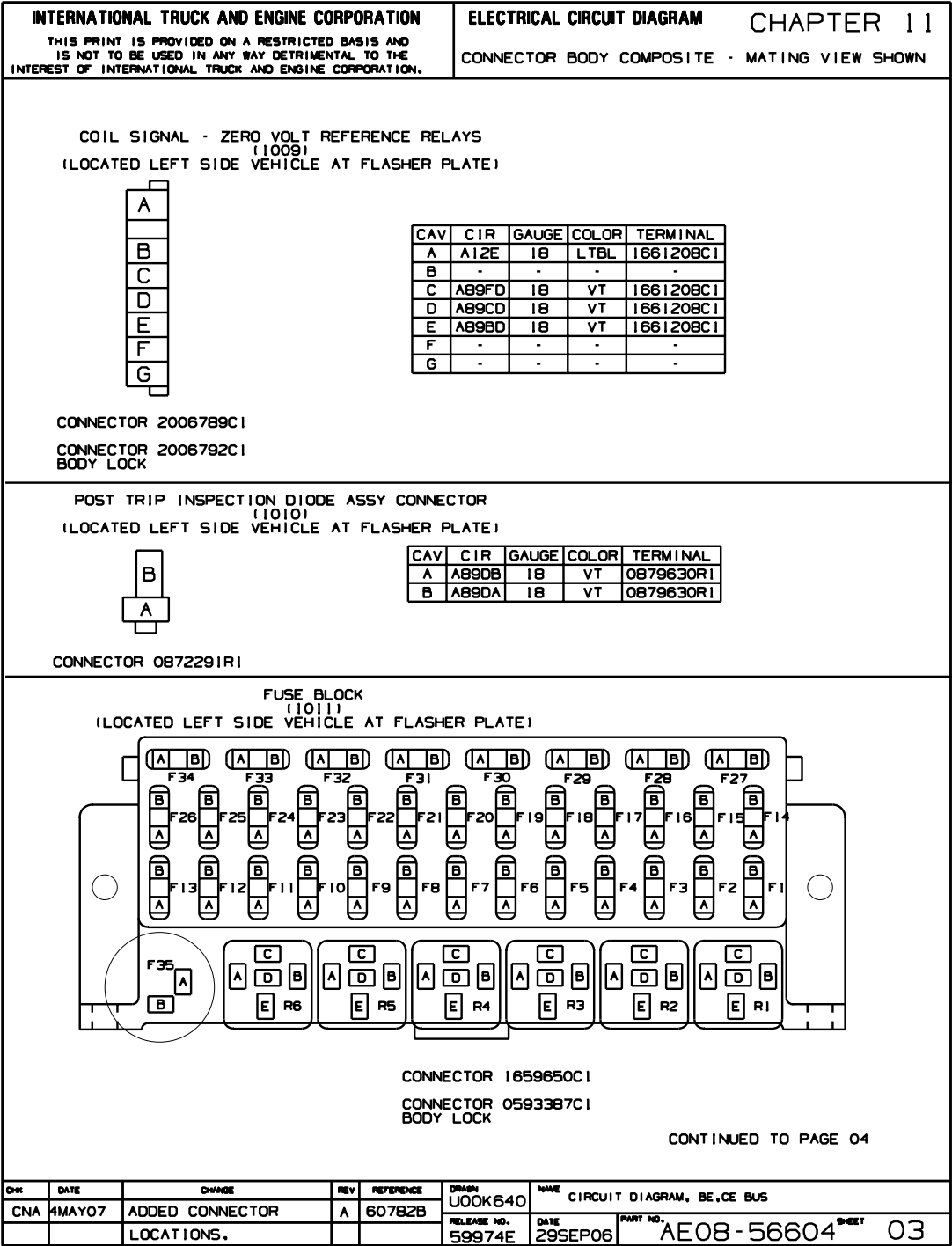


Figure 100 Connector Composites (1009), (1010), (1011)

11.4. CONNECTOR COMPOSITE (1011), P. 4

INTERNATIONAL TRUCK AND ENGINE CORPORATION					ELECTRICAL CIRCUIT DIAGRAM CHAPTER 11				
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 COMPOSITE - MATING VIEW SHOWN				
CONTINUED FROM PAGE 03					FUSE BLOCK (1011)				
CAV	CIR	GAUGE	COLOR	TERMINAL	CAV	CIR	GAUGE	COLOR	TERMINAL
F1-A	A13AH	16	PK	1661389C1	F20-A	(A13BB)	-	-	1661397C1
F1-B	A89B	16	VT	1661389C1	F20-B*	A71	16	OR	1661389C1
F2-A	A14B	10	RD	1661395C1	F20-B*	A71	16	OR	1661395C1
F2-B	A28	18	TN	1661386C1	F20-B*	A71A	18	OR	1661395C1
F3-A	(A14B)	-	-	1661396C1	F21-A	A13BB	12	PK	1661397C1
F3-B	A90C	18	GY	1661386C1	F21-B*	A#163	18	YL	1661392C1
F4-A	(A14D)	-	-	1661397C1	F21-B*	A#163A	18	YL	1661392C1
F4-B	A26	18	TN	1661395C1	F21-B*	A#163	18	YL	1661386C1
F4-B	A89	16	VT	1661395C1	F22-A	(A13BB)	-	-	1661397C1
F5-A	A14D	10	RD	1661397C1	F22-B	A92	18	TN	1661386C1
F5-B	A70	18	OR	1661395C1	F23-A	A13BC	12	PK	1661397C1
F5-B	A70BB	14	OR	1661395C1	F23-B	A13BE	16	PK	1661395C1
F6-A	(A14D)	-	-	1661397C1	F23-B	A13BF	18	PK	1661386C1
F6-B	A77K	12	LTGN	1661395C1	F24-A	(A13BC)	-	-	1661397C1
F6-B	(A14C)	-	-	1661396C1	F24-A	A13AE	12	PK	1661397C1
F7-A	A14G	10	RD	1661396C1	F24-B*	A28A	18	TN	1661392C1
F7-B	A15	16	RD	1661389C1	F24-B*	A44	18	GY	1661392C1
F8-A	A14C	10	RD	1661395C1	F24-B*	A28A	18	TN	1661386C1
F8-B	A14CA	12	RD	1661395C1	F25-A	(A13BC)	-	-	1661397C1
F9-A	A14E	10	RD	0557377C1	F25-B*	A94BJ	18	GY	1661386C1
F9-B	A98	18	VT	1661386C1	F25-B*	A90E	18	GY	1661386C1
F10-A	(A14E)	-	-	1661396C1	F26-A	A62	16	DKBL	1661389C1
F10-A	A14H	10	RD	1661396C1	F26-B	A62A	18	DKBL	1661392C1
F10-B	A14EA	12	RD	1661395C1	F26-B	A62B	18	DKBL	1661392C1
F11-A	(A12)	-	-	1661391C1	F27-A	A13AF	14	PK	1661395C1
F11-B*	A12A	16	LTBL	1661395C1	F27-A	A13AG	14	PK	1661395C1
F11-B*	A12E	18	LTBL	1661395C1	F27-B	A59B	18	GY	1661386C1
F11-B*	A12A	16	LTBL	1661389C1	F28-A	A13AC	16	PK	1661395C1
F12-A	A12	16	LTBL	1661391C1	F28-A	A13AH	16	PK	1661395C1
F12-B	A12C	18	LTBL	1661392C1	F28-B	A77J	14	LTGN	1661389C1
F12-B	A12D	18	LTBL	1661392C1	F29-A	A13AE	12	PK	1661395C1
F13-A	A14K	10	RD	1661395C1	F29-B	A31B	18	TN	1661386C1
F13-B	A14KA	18	RD	1661386C1	F30-A	A14H	10	RD	1661395C1
F14-A	(A13AA)	-	-	1661397C1	F30-B	A#170A	18	PK	1661386C1
F14-A	A13AF	14	PK	1661397C1	F31-A	A97Z	10	VT	1661395C1
F14-B	A13AB	16	BK	1661389C1	F31-B	A59	18	GY	1661395C1
F15-A	A13AA	12	PK	1661397C1	F31-B	A23	16	TN	1661395C1
F15-B#	A28B	18	TN	1661386C1	F32-A	A14G	10	RD	1661395C1
F15-B%	A13C	18	PK	1661286C1	F32-B	A75	14	LTGN	1661389C1
F15-B@	A13C	18	PK	1661392C1	F33-A	A14F	10	RD	1661395C1
F15-B@	A28B	18	TN	1661392C1	F33-B	A64A	16	YL	1661395C1
F16-A	(A13AA)	-	-	1661397C1	F33-B	A64B	16	YL	1661395C1
F16-B	A13AC	16	PK	1661397C1	F34-A	A13AG	14	PK	1661389C1
F16-B	A13AD	16	PK	1661389C1	F34-B	A87A	18	GY	1661386C1
F17-A	(A13BA)	-	-	1661397C1	F35-A	-	-	-	-
F17-A	A13BB	12	PK	1661397C1	F35-B	-	-	-	-
F17-B	A97UA	18	VT	1661386C1					
F18-A	A13BA	12	PK	1661397C1					
F18-B	A99F	18	VT	1661386C1					
F19-A	(A13BA)	-	-	1661397C1					
F19-A	A13BC	12	PK	1661397C1					
F19-B	A39A	16	GY	1661389C1					

KEY :

* = MUTUALLY EXCLUSIVE

= COMPASS N/ AWARE

% = AWARE N/ COMPASS

@ = W/ AWARE AND COMPASS

CONTINUED TO PAGE 05

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
CNA1	04OCT07	REVISED F12,F13,F15	B	50378H	U00K640	CIRCUIT DIAGRAM, BE,CE BUS
		CKTS AND NOTES.			RELEASE NO.	PART NO.
					59974E	29SEP06
						AE08056604
						004

Figure 101 Connector Composite (1011) (Cont.)

11.5. CONNECTOR COMPOSITE (1011), P. 5

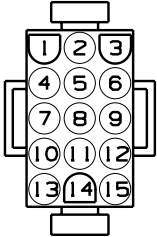
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<div style="display: flex; justify-content: space-between; align-items: flex-start;"> <div style="width: 30%;"> <p>CONTINUED FROM PAGE 04</p> </div> <div style="width: 30%; text-align: center;"> <p>FUSE BLOCK (1011)</p> </div> <div style="width: 35%;"> <table border="1" style="width: 100%; border-collapse: collapse; font-size: 8px;"> <thead> <tr> <th style="width: 15%;">LOCATION</th> <th style="width: 85%;">RELAY DESCRIPTION</th> </tr> </thead> <tbody> <tr><td>R1</td><td>WIPER POWER RELAY</td></tr> <tr><td>R2</td><td>WIPER SPEED RELAY</td></tr> <tr><td>R3</td><td>STOP LIGHT RELAY</td></tr> <tr><td>R4</td><td>AIR SOLENOID POWER RELAY</td></tr> <tr><td>R5</td><td>IGN #1 RELAY</td></tr> <tr><td>R6</td><td>IGN #2 RELAY</td></tr> </tbody> </table> </div> </div> <div style="margin-top: 20px;"> <p>KEY :</p> <p>* = MUTUALLY EXCLUSIVE</p> </div> <div style="display: flex; justify-content: space-between; margin-top: 20px;"> <table border="1" style="width: 48%; border-collapse: collapse; font-size: 8px;"> <thead> <tr> <th>CAV</th> <th>CJR</th> <th>GAUGE</th> <th>COLOR</th> <th>TERMINAL</th> </tr> </thead> <tbody> <tr><td>R1-A</td><td>A82C</td><td>18</td><td>GY</td><td>1659673C1</td></tr> <tr><td>R1-B</td><td>A82DC</td><td>16</td><td>GY</td><td>1661709C1</td></tr> <tr><td>R1-C</td><td>A82DB</td><td>16</td><td>GY</td><td>1661709C1</td></tr> <tr><td>R1-D</td><td>A82H</td><td>16</td><td>GY</td><td>1659673C1</td></tr> <tr><td>R1-E</td><td>A82R</td><td>16</td><td>GY</td><td>1661709C1</td></tr> <tr><td>R2-A</td><td>A82D</td><td>18</td><td>GY</td><td>1659673C1</td></tr> <tr><td>R2-B</td><td>A82DD</td><td>16</td><td>GY</td><td>1661709C1</td></tr> <tr><td>R2-C</td><td>A82K</td><td>16</td><td>GY</td><td>1659673C1</td></tr> <tr><td>R2-D</td><td>A82N</td><td>16</td><td>GY</td><td>1659673C1</td></tr> <tr><td>R2-E</td><td>A82R</td><td>16</td><td>GY</td><td>1661709C1</td></tr> <tr><td>R3-A</td><td>A70</td><td>18</td><td>OR</td><td>1659673C1</td></tr> <tr><td>R3-B</td><td>A70A</td><td>18</td><td>OR</td><td>1659673C1</td></tr> <tr><td>R3-C*</td><td>A70BD</td><td>14</td><td>RD</td><td>1661709C1</td></tr> <tr><td>R3-C*</td><td>A70BC</td><td>14</td><td>RD</td><td>1661709C1</td></tr> <tr><td>R3-D</td><td>A39D</td><td>16</td><td>GY</td><td>1661709C1</td></tr> <tr><td>R3-E</td><td>A70BB</td><td>14</td><td>OR</td><td>1661709C1</td></tr> <tr><td>R4-A*</td><td>A71B</td><td>18</td><td>OR</td><td>1659673C1</td></tr> <tr><td>R4-A*</td><td>A71B</td><td>16</td><td>OR</td><td>2018946C1</td></tr> <tr><td>R4-B</td><td>A#165</td><td>18</td><td>TN</td><td>1659673C1</td></tr> <tr><td>R4-C*</td><td>A71BB</td><td>16</td><td>OR</td><td>2018946C1</td></tr> <tr><td>R4-C*</td><td>A71BB</td><td>16</td><td>LTBL</td><td>2018946C1</td></tr> <tr><td>R4-D</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> <tr><td rowspan="2">R4-E*</td><td>A71</td><td>16</td><td>OR</td><td>1661709C1</td></tr> <tr><td>A71B</td><td>18</td><td>OR</td><td>1661709C1</td></tr> <tr><td rowspan="2">R4-E*</td><td>A71</td><td>16</td><td>OR</td><td>2022374C1</td></tr> <tr><td>A71B</td><td>16</td><td>OR</td><td>2022374C1</td></tr> <tr><td rowspan="2">R5-A</td><td>A12-G</td><td>18</td><td>WH</td><td>1661709C1</td></tr> <tr><td>A13-G</td><td>18</td><td>WH</td><td>1661709C1</td></tr> <tr><td>R5-B*</td><td>A13AN</td><td>16</td><td>PK</td><td>1661710C1</td></tr> <tr><td>R5-B*</td><td>A13B</td><td>16</td><td>PK</td><td>1661710C1</td></tr> <tr><td>R5-C</td><td>A14CA</td><td>12</td><td>RD</td><td>1661710C1</td></tr> <tr><td>R5-D</td><td>A12-G</td><td>18</td><td>WH</td><td>1659673C1</td></tr> <tr><td>R5-E</td><td>A13AA</td><td>12</td><td>PK</td><td>1661710C1</td></tr> <tr><td rowspan="2">R6-A</td><td>A12-GA</td><td>18</td><td>WH</td><td>1661709C1</td></tr> <tr><td>A13-GA</td><td>18</td><td>WH</td><td>1661709C1</td></tr> <tr><td>R6-B</td><td>A13B</td><td>16</td><td>PK</td><td>1661709C1</td></tr> <tr><td>R6-C</td><td>A14EA</td><td>12</td><td>RD</td><td>1661710C1</td></tr> <tr><td>R6-D</td><td>A12-GA</td><td>18</td><td>WH</td><td>1659673C1</td></tr> <tr><td>R6-E</td><td>A13BA</td><td>12</td><td>PK</td><td>1661710C1</td></tr> </tbody> </table> <table border="1" style="width: 48%; 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F5	BATTERY STOP LIGHTS	10A																																																																																																																																																																																																																																																																																																																															
F6	BATTERY AIR CONDITIONER BLOWER MOTOR	30A																																																																																																																																																																																																																																																																																																																															
F7	BATTERY KEY SWITCH	10A																																																																																																																																																																																																																																																																																																																															
F8	BATTERY IGN #1 RELAY	30A																																																																																																																																																																																																																																																																																																																															
F9	BATTERY DIAGNOSTIC CONNECTOR	10A																																																																																																																																																																																																																																																																																																																															
F10	BATTERY IGN #2 RELAY	30A																																																																																																																																																																																																																																																																																																																															
F11**	ACC BODY BUILDER CONNECTOR	5A**																																																																																																																																																																																																																																																																																																																															
F12**	ACC SWITCH PACK / SYSTEM CONTROLLER	5A**																																																																																																																																																																																																																																																																																																																															
F13**	BATTERY AWARE	5A**																																																																																																																																																																																																																																																																																																																															
F14**	IGN BODY BUILDER CONNECTOR	5A**																																																																																																																																																																																																																																																																																																																															
F15	IGN COMPASS MODULE / AWARE	10A																																																																																																																																																																																																																																																																																																																															
F16	IGN SYSTEM CONTROLLER	10A																																																																																																																																																																																																																																																																																																																															
F17**	IGN ENGINE ELECTRONICS	5A**																																																																																																																																																																																																																																																																																																																															
F18**	IGN ACCEL PEDAL	5A**																																																																																																																																																																																																																																																																																																																															
F19**	IGN AUTO DRAIN VALVE	5A**																																																																																																																																																																																																																																																																																																																															
F20	IGN BACK-UP LIGHTS	10A																																																																																																																																																																																																																																																																																																																															
F21	IGN XMSN CONTROL MODULE	10A																																																																																																																																																																																																																																																																																																																															
F22**	IGN XMSN SHIFTER - LCT	5A**																																																																																																																																																																																																																																																																																																																															
F23	IGN AIR DRYER, DRAIN VALVE, FUEL HEATER	10A																																																																																																																																																																																																																																																																																																																															
F24**	IGN INSTRUMENT CLUSTER	5A**																																																																																																																																																																																																																																																																																																																															
F25**	IGN ANTILOCK BRAKE SYSTEM	5A**																																																																																																																																																																																																																																																																																																																															
F26**	PANEL LIGHTS	5A**																																																																																																																																																																																																																																																																																																																															
F27	IGN BRAKE MONITOR	10A																																																																																																																																																																																																																																																																																																																															
F28**	AIR CONDITIONER CLUTCH	5A**																																																																																																																																																																																																																																																																																																																															
F29**	IGN CHANGE XMSN FILTER	5A**																																																																																																																																																																																																																																																																																																																															
F30	BATTERY WTEC SHIFT SELECTOR	10A																																																																																																																																																																																																																																																																																																																															
F31	FAN / SHUTTER	10A																																																																																																																																																																																																																																																																																																																															
F32	BATTERY COOLANT HEAT	20A																																																																																																																																																																																																																																																																																																																															
F33	BATTERY FOG LIGHTS	15A																																																																																																																																																																																																																																																																																																																															
F34	IGN WINDSHIELD WASHER PUMP	10A																																																																																																																																																																																																																																																																																																																															
CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME																																																																																																																																																																																																																																																																																																																											
CNA1	04OCT07	REVISED F1,F12,F13,	B	50378H	U00K640	CIRCUIT DIAGRAM, BE,CE BUS																																																																																																																																																																																																																																																																																																																											
	F15,F32	RATING.			59974E	29SEP06																																																																																																																																																																																																																																																																																																																											
					PART NO.	SHEET																																																																																																																																																																																																																																																																																																																											
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Figure 102 Connector Composite (1011) (Cont.)

11.6. CONNECTOR COMPOSITES (1012), (1014F), P. 6

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 11 CONNECTOR BODY COMPOSITE - MATING VIEW SHOWN
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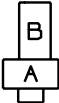
BODY BUILDER
(1012)
(LOCATED LEFT SIDE VEHICLE AT FLASHER PLATE)



CONNECTOR 3586675C91

CAV	CIR	GAUGE	COLOR	TERMINAL
1	A89D	18	PL	1661539C1
2	-	-	-	-
3	A89XX	16	VT	1661539C1
4	A44C	18	GY	1661539C1
5	-	-	-	-
6	A11-GB	16	WH	1661539C1
7	A#101	18	TN	1661539C1
8	A92E	16	TN	1661539C1
9	A89SL	18	PL	1661539C1
10	A92F	16	TN	1661539C1
11	A71D	16	LTBL	1661539C1
12	A89RR	16	VT	1661539C1
13	A89PP	16	VT	1661539C1
14	A89LL	16	VT	1661539C1
15	A103	18	TN	1661539C1

WHEELCHAIR LIFT DOOR DIODE ASSY CONNECTOR
(1014F)
(LOCATED LEFT SIDE VEHICLE AT FLASHER PLATE)



CONNECTOR 0872291R1

CAV	CIR	GAUGE	COLOR	TERMINAL
A	A89CB	18	VT	0879630R1
B	A89CE	18	VT	0879630R1

CHG	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
CNA	4MAY07	REVISED AND REDRAWN.	A	60782B	U00K640	CIRCUIT DIAGRAM, BE,CE BUS
					RELEASE NO.	DATE
					59974E	03OCT06
					PART NO.	SHEET
					AE08-56604	06

Figure 103 Connector Composites (1012), (1014F)

11.7. CONNECTOR COMPOSITES (1015), (1016), (1017), (1018), P. 7

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

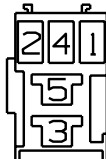
CHAPTER 11

CONNECTOR BODY COMPOSITE - MATING VIEW SHOWN

ECONOMY MODE SWITCH

(1015)

(LOCATED LEFT SIDE VEHICLE AT FLASHER PLATE)



CONNECTOR 2028683C1

CONNECTOR 2028684C1

BODY LOCK

CAV	CIR	GAUGE	COLOR	TERMINAL
1	A92T	18	TN	2025418C1
2	A92-G	18	WH	2025418C1
3*	A#103A	16	TN	1661709C1
3*	A#103	18	TN	1661709C1
4	-	-	-	-
5	A#142	16	TN	2018946C1

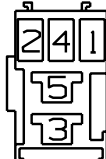
KEY :

* : MUTUALLY EXCLUSIVE

BACK UP LIGHT CHECK RELAY

(1016)

(LOCATED LEFT SIDE VEHICLE AT FLASHER PLATE)



CONNECTOR 2028683C1

CONNECTOR 2028684C1

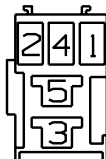
BODY LOCK

CAV	CIR	GAUGE	COLOR	TERMINAL
1	A71A	18	OR	3519441C1
	A71E	18	OR	3519441C1
2	A71C	18	OR	2025418C1
3	A71D	16	LTBL	1661709C1
4	A71F	16	OR	2025418C1
5	A71E	18	OR	1659673C1

FOG LIGHT RELAY

(1017)

(LOCATED LEFT SIDE VEHICLE AT FLASHER PLATE)



CONNECTOR 2028683C1

CONNECTOR 2028684C1

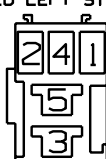
BODY LOCK

CAV	CIR	GAUGE	COLOR	TERMINAL
1	A64A	16	YL	2025418C1
2	A64C	18	YL	2025418C1
3	A64B	16	YL	1661709C1
4	-	-	-	-
5	A64	12	YL	1661710C1

AUTO DRAIN VALVE RELAY

(1018)

(LOCATED LEFT SIDE VEHICLE AT FLASHER PLATE)



CONNECTOR 2028683C1

CONNECTOR 2028684C1

BODY LOCK

CAV	CIR	GAUGE	COLOR	TERMINAL
1	A39C	16	GY	2025418C1
2	A39A	16	GY	2025418C1
3	A39D	16	GY	2018946C1
4	A39B	16	GY	2025418C1
5	-	-	-	-

CHG	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
CNA	4MAY07	REVISED AND REDRAWN.	A	60782B	U00K640	CIRCUIT DIAGRAM, BE,CE BUS
					RELEASE NO.	DATE
					59974E	030CT06
					PART NO.	SHEET
					AE08-56604	07

Figure 104 Connector Composites (1015), (1016), (1017), (1018)

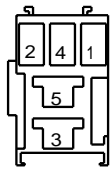
11.8. CONNECTOR COMPOSITES (1019), (1020), (1021), (1023), (1028), P. 8

INTERNATIONAL TRUCK AND ENGINE CORPORATION

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CONNECTOR BODY COMPOSITE - MATING VIEW SHOWN

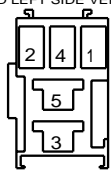
WHEELCHAIR LIFT RELAY
(1019)
(LOCATED LEFT SIDE VEHICLE AT FLASHER PLATE)



CONNECTOR 2028683C1
CONNECTOR 2028684C1
BODY LOCK

CAV	CIR	GAUGE	COLOR	TERMINAL
1	A89CD	18	VT	2025418C1
2	A89CB	18	VT	2025418C1
3	A89CC	18	PL	1659673C1
4	-	-	-	-
5	A9CA	18	GY	1659673C1

EMERGENCY EXIT RELAY
(1020)
(LOCATED LEFT SIDE VEHICLE AT FLASHER PLATE)

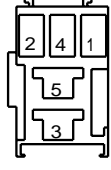


CONNECTOR 2028683C1
CONNECTOR 2028684C1
BODY LOCK

CAV	CIR	GAUGE	COLOR	TERMINAL
1	A89FD	18	VT	2025418C1
2*	A89DB	18	VT	3519441C1
	A89FB	18	VT	3519441C1
2*	A89FB	18	VT	2025418C1
3	A89FF	18	PL	1659673C1
4	-	-	-	-
5	A9FA	18	GY	1659673C1

KEY :
* = MUTUALLY EXCLUSIVE

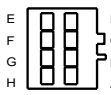
POST TRIP INSPECTION RELAY
(1021)
(LOCATED LEFT SIDE VEHICLE AT FLASHER PLATE)



CONNECTOR 2028683C1
CONNECTOR 2028684C1
BODY LOCK

CAV	CIR	GAUGE	COLOR	TERMINAL
1	A89BD	18	VT	2025418C1
2	A89DA	18	VT	3519441C1
	A89BC	18	VT	3519441C1
3	A89BB	18	PL	1659673C1
4	-	-	-	-
5	A9BA	18	GY	1659673C1

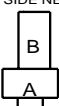
SPECIAL EQUIPMENT CONNECTOR
(1023)
(LOCATED LEFT SIDE VEHICLE AT FLASHER PLATE)



CONNECTOR 3515762C1
CONNECTOR 3515764C1
BODY LOCK

CAV	CIR	GAUGE	COLOR	TERMINAL
A	A47	18	GY	1661261C1
B	A48	18	GY	1661261C1
C	-	-	-	-
D	-	-	-	-
E	-	-	-	-
F	-	-	-	-
G	-	-	-	-
H	-	-	-	-

AIR TEMPERATURE RESISTOR
(1028)
(LOCATED AT LEFT SIDE NEAR FRONT BUMPER)



CONNECTOR 0872291R1

CAV	CIR	GAUGE	COLOR	TERMINAL
A	A41	18	TN	0879630R1
B	A110	18	GY	0879630R1

CHK

DATE

CHANGE

REV

REFERENCE

DRAWN

NAME

CNA1

04OCT07

ADDED CONN 1028.

B

50378H

U00K640

CIRCUIT DIAGRAM, BE,CE BUS

RELEASE NO.

DATE

PART NO.

SHEET

59974E

29SEP06

AE08056604

008

Figure 105 Connector Composites (1019), (1020), (1021), (1023), (1028)

11.9. CONNECTOR COMPOSITES (1029), (1100), (1101), (1104), (1105), P. 9

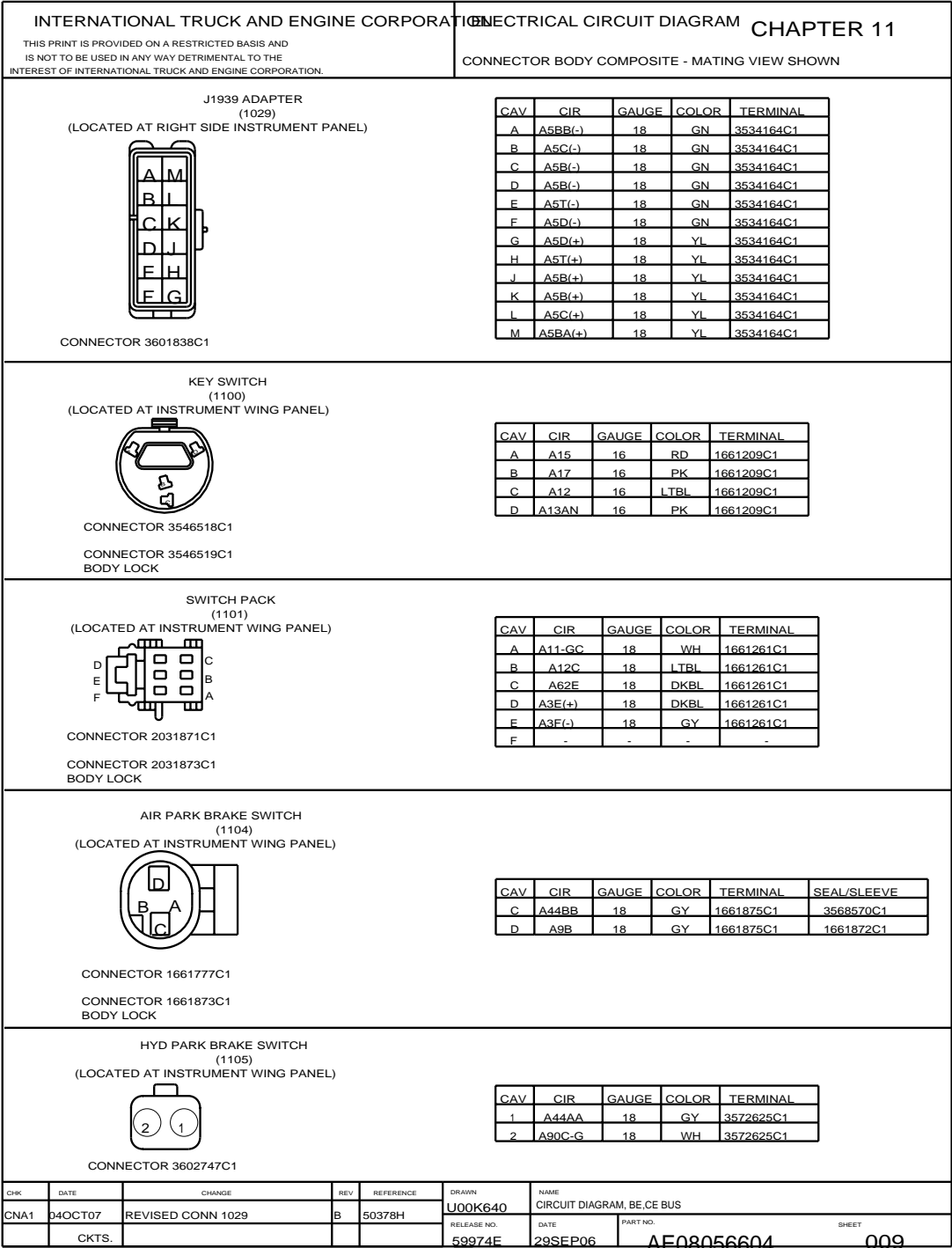


Figure 106 Connector Composites (1029), (1100), (1101), (1104), (1105)

11.10. CONNECTOR COMPOSITES (1200), (1201), (1203), (1204), P. 10

INTERNATIONAL TRUCK AND ENGINE CORPORATION

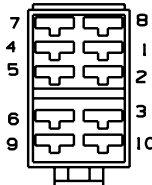
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ELECTRICAL CIRCUIT DIAGRAM

CONNECTOR BODY COMPOSITE - MATING VIEW SHOWN

CHAPTER 11

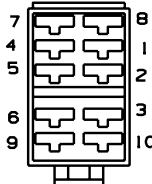
A/C BLOWER SWITCH
(1200)
(LOCATED AT INSTRUMENT PANEL)



CONNECTOR 3530563C1

CAV	CIR	GAUGE	COLOR	TERMINAL
1	A77F	14	LTGN	1661226C1
2	A77D	14	LTGN	1661226C1
3	A77E	14	LTGN	1661226C1
4	A77D	14	LTGN	1661226C1
5	A77B	14	LTGN	1661226C1
6	A77C	14	LTGN	1661226C1
7	A62-GG	18	WH	1661224C1
8	A62K	18	DKBL	1661224C1
9	-	-	-	-
10	-	-	-	-

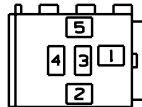
A/C SWITCH
(1201)
(LOCATED AT INSTRUMENT PANEL)



CONNECTOR 3530564C1

CAV	CIR	GAUGE	COLOR	TERMINAL
1	-	-	-	-
2	A77J	14	LTGN	1661226C1
3	A77B	14	LTGN	1661227C1
4	A77H	16	LTGN	1661227C1
5	-	-	-	-
6	-	-	-	-
7	A62-GF	18	WH	1661224C1
8	A62J	18	DKBL	3541250C1
9	A62K	18	DKBL	3541250C1
10	-	-	-	-

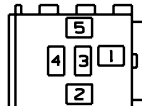
A/C CLUTCH RELAY
(1203)
(LOCATED AT LEFT SIDE FLASHER PLATE)



CONNECTOR 0593385C1

CAV	CIR	GAUGE	COLOR	TERMINAL
1	A77N	16	LTGN	1661709C1
2	A77P	16	LTGN	1661709C1
3	-	-	-	-
4	A77A	16	LTGN	1661709C1
5	A77-GA	16	WH	1661709C1

A/C BLOWER RELAY
(1204)
(LOCATED AT LEFT SIDE FLASHER PLATE)



CONNECTOR 0593385C1

CAV	CIR	GAUGE	COLOR	TERMINAL
1	A77L	12	LTGN	1661710C1
2	A77C	14	LTGN	1661709C1
3	A77M	14	LTGN	1661709C1
4	A77K	12	LTGN	1661710C1
5	A77-GB	16	WH	1661709C1

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME	PART NO.	SHEET
CNA	4MAY07	ADDED CONNECTOR	A	607B2B	U00K640	CIRCUIT DIAGRAM, BE,CE BUS		
		LOCATIONS.			RELEASE NO.	DATE	AE08-56604	10
					59974E	29SEP06		

Figure 107 Connector Composites (1200), (1201), (1203), (1204)

11.11. CONNECTOR COMPOSITES (1400), (1401), (1402), 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 11 CONNECTOR BODY COMPOSITE - MATING VIEW SHOWN																											
<p style="text-align: center;">E - STROKE LEFT FRONT SENSOR (1400) (LOCATED AT INSIDE MIDDLE DASH PANEL)</p> <div style="display: flex; justify-content: space-around; align-items: flex-start;"> <div style="text-align: center;">  <p>CONNECTOR 1667741C1 CONNECTOR 1667771C1 BODY LOCK</p> </div> <table border="1" style="font-size: 8px; border-collapse: collapse;"> <thead> <tr> <th>CAV</th> <th>CIR</th> <th>GAUGE</th> <th>COLOR</th> <th>TERMINAL</th> <th>SEAL/SLEEVE</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>A59N</td> <td>18</td> <td>GY</td> <td>1661875C1</td> <td>1661872C1</td> </tr> <tr> <td>B</td> <td>A59P</td> <td>18</td> <td>GY</td> <td>1661875C1</td> <td>1661872C1</td> </tr> <tr> <td>C</td> <td>A59R</td> <td>18</td> <td>GY</td> <td>1661875C1</td> <td>1661872C1</td> </tr> </tbody> </table> </div>								CAV	CIR	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE	A	A59N	18	GY	1661875C1	1661872C1	B	A59P	18	GY	1661875C1	1661872C1	C	A59R	18	GY	1661875C1	1661872C1
CAV	CIR	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE																										
A	A59N	18	GY	1661875C1	1661872C1																										
B	A59P	18	GY	1661875C1	1661872C1																										
C	A59R	18	GY	1661875C1	1661872C1																										
<p style="text-align: center;">E - STROKE RIGHT FRONT SENSOR (1401) (LOCATED AT INSIDE MIDDLE DASH PANEL)</p> <div style="display: flex; justify-content: space-around; align-items: flex-start;"> <div style="text-align: center;">  <p>CONNECTOR 1667741C1 CONNECTOR 1667771C1 BODY LOCK</p> </div> <table border="1" style="font-size: 8px; border-collapse: collapse;"> <thead> <tr> <th>CAV</th> <th>CIR</th> <th>GAUGE</th> <th>COLOR</th> <th>TERMINAL</th> <th>SEAL/SLEEVE</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>A59S</td> <td>18</td> <td>GY</td> <td>1661875C1</td> <td>1661872C1</td> </tr> <tr> <td>B</td> <td>A59T</td> <td>18</td> <td>GY</td> <td>1661875C1</td> <td>1661872C1</td> </tr> <tr> <td>C</td> <td>A59U</td> <td>18</td> <td>GY</td> <td>1661875C1</td> <td>1661872C1</td> </tr> </tbody> </table> </div>								CAV	CIR	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE	A	A59S	18	GY	1661875C1	1661872C1	B	A59T	18	GY	1661875C1	1661872C1	C	A59U	18	GY	1661875C1	1661872C1
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B	A59T	18	GY	1661875C1	1661872C1																										
C	A59U	18	GY	1661875C1	1661872C1																										
<p style="text-align: center;">E - STROKE LEFT REAR SENSOR (1402) (LOCATED AT INSIDE MIDDLE DASH PANEL)</p> <div style="display: flex; justify-content: space-around; align-items: flex-start;"> <div style="text-align: center;">  <p>CONNECTOR 1667741C1 CONNECTOR 1667771C1 BODY LOCK</p> </div> <table border="1" style="font-size: 8px; border-collapse: collapse;"> <thead> <tr> <th>CAV</th> <th>CIR</th> <th>GAUGE</th> <th>COLOR</th> <th>TERMINAL</th> <th>SEAL/SLEEVE</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>A59V</td> <td>18</td> <td>GY</td> <td>1661875C1</td> <td>1661872C1</td> </tr> <tr> <td>B</td> <td>A59W</td> <td>18</td> <td>GY</td> <td>1661875C1</td> <td>1661872C1</td> </tr> <tr> <td>C</td> <td>A59X</td> <td>18</td> <td>GY</td> <td>1661875C1</td> <td>1661872C1</td> </tr> </tbody> </table> </div>								CAV	CIR	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE	A	A59V	18	GY	1661875C1	1661872C1	B	A59W	18	GY	1661875C1	1661872C1	C	A59X	18	GY	1661875C1	1661872C1
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CHG	DATE	CHANGE	REV	REFERENCE	DASH	NAME																									
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RELEASE NO.					DATE	PART NO.	SHEET																								
59974E					29SEP06	AE08-56604	11																								

Figure 108 Connector Composites (1400), (1401), (1402)

11.12. CONNECTOR COMPOSITES (1403), (1404), (1500), (1501), P. 12


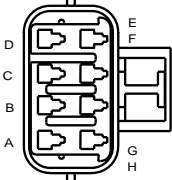
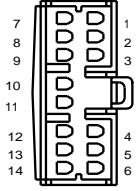
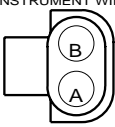
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<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>E - STROKE RIGHT REAR SENSOR (1403) (LOCATED AT INSIDE MIDDLE DASH PANEL)</p>  <p>CONNECTOR 1667741C1</p> <p>CONNECTOR 1667771C1 BODY LOCK</p> </div> <div style="width: 50%;"> <table border="1" style="width: 100%; border-collapse: collapse; font-size: 0.8em;"> <thead> <tr> <th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>TERMINAL</th><th>SEAL/SLEEVE</th></tr> </thead> <tbody> <tr> <td>A</td><td>A59Y</td><td>18</td><td>GY</td><td>1661875C1</td><td>1661872C1</td></tr> <tr> <td>B</td><td>A59Z</td><td>18</td><td>GY</td><td>1661875C1</td><td>1661872C1</td></tr> <tr> <td>C</td><td>A59AA</td><td>18</td><td>GY</td><td>1661875C1</td><td>1661872C1</td></tr> </tbody> </table> </div> </div>						CAV	CIR	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE	A	A59Y	18	GY	1661875C1	1661872C1	B	A59Z	18	GY	1661875C1	1661872C1	C	A59AA	18	GY	1661875C1	1661872C1																																																								
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<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>E - STROKE POWER INPUT (1404) (LOCATED AT INSIDE MIDDLE DASH PANEL)</p>  <p>CONNECTOR 3525872C1</p> <p>CONNECTOR 3525873C1 BODY LOCK</p> </div> <div style="width: 50%;"> <table border="1" style="width: 100%; border-collapse: collapse; font-size: 0.8em;"> <thead> <tr> <th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>TERMINAL</th><th>SEAL/SLEEVE</th></tr> </thead> <tbody> <tr> <td>A</td><td>A59B</td><td>18</td><td>GY</td><td>1661875C1</td><td>1661872C1</td></tr> <tr> <td>B</td><td>A69-G</td><td>18</td><td>WH</td><td>1661875C1</td><td>1661872C1</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>PLUG</td><td>-</td><td>-</td><td>2025431C1</td><td>-</td></tr> <tr> <td>G</td><td>PLUG</td><td>-</td><td>-</td><td>2025431C1</td><td>-</td></tr> <tr> <td>H</td><td>A59C</td><td>18</td><td>GY</td><td>1661875C1</td><td>1661872C1</td></tr> </tbody> </table> </div> </div>						CAV	CIR	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE	A	A59B	18	GY	1661875C1	1661872C1	B	A69-G	18	WH	1661875C1	1661872C1	C	PLUG	-	-	2025431C1	-	D	PLUG	-	-	2025431C1	-	E	PLUG	-	-	2025431C1	-	F	PLUG	-	-	2025431C1	-	G	PLUG	-	-	2025431C1	-	H	A59C	18	GY	1661875C1	1661872C1																										
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<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>INSTRUMENT CLUSTER (1500) (LOCATED AT INSTRUMENT CLUSTER)</p>  <p>CONNECTOR 3548792C1</p> </div> <div style="width: 50%;"> <table border="1" style="width: 100%; border-collapse: collapse; font-size: 0.8em;"> <thead> <tr> <th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>TERMINAL</th></tr> </thead> <tbody> <tr><td>1</td><td>A28-G</td><td>18</td><td>WH</td><td>2018639C1</td></tr> <tr><td>2</td><td>A28</td><td>18</td><td>TN</td><td>2018639C1</td></tr> <tr><td>3</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>4</td><td>A62</td><td>16</td><td>DKBL</td><td>2018639C1</td></tr> <tr><td>5</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>6</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>7</td><td>A28A</td><td>18</td><td>TN</td><td>2018639C1</td></tr> <tr><td>8@</td><td>A110AD</td><td>18</td><td>GY</td><td>2018639C1</td></tr> <tr><td>8#</td><td>A110</td><td>18</td><td>GY</td><td>2018639C1</td></tr> <tr><td>9</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>10</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>11</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>12</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>13</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>14</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> </tbody> </table> <p style="font-size: 0.7em; margin-top: 5px;">KEY : @ = W/ AMBIENT TEMP AND COMPASS SENSORS # = W/ AMBIENT TEMP RESISTOR</p> </div> </div>						CAV	CIR	GAUGE	COLOR	TERMINAL	1	A28-G	18	WH	2018639C1	2	A28	18	TN	2018639C1	3	-	-	-	-	4	A62	16	DKBL	2018639C1	5	-	-	-	-	6	-	-	-	-	7	A28A	18	TN	2018639C1	8@	A110AD	18	GY	2018639C1	8#	A110	18	GY	2018639C1	9	-	-	-	-	10	-	-	-	-	11	-	-	-	-	12	-	-	-	-	13	-	-	-	-	14	-	-	-	-
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6	-	-	-	-																																																																																	
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<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>AUTO XMSN PANEL LIGHT (1501) (LOCATED AT INSTRUMENT WING PANEL)</p>  <p>CONNECTOR 0587568C91</p> </div> <div style="width: 50%;"> <table border="1" style="width: 100%; border-collapse: collapse; font-size: 0.8em;"> <thead> <tr> <th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>TERMINAL</th><th>SEAL/SLEEVE</th></tr> </thead> <tbody> <tr> <td>A</td><td>A62G</td><td>18</td><td>DKBL</td><td>0587576C1</td><td>1652325C1</td></tr> <tr> <td>B</td><td>A62-GC</td><td>18</td><td>WH</td><td>0587576C1</td><td>1652325C1</td></tr> </tbody> </table> </div> </div>						CAV	CIR	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE	A	A62G	18	DKBL	0587576C1	1652325C1	B	A62-GC	18	WH	0587576C1	1652325C1																																																														
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Figure 109 Connector Composites (1403), (1404), (1500), (1501)

11.13. CONNECTOR COMPOSITES (1505), (1555), (1600), P. 13

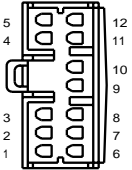
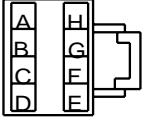
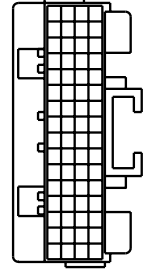
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<p style="text-align: center;">INSTRUMENT CLUSTER (1505) (LOCATED AT INSTRUMENT WING PANEL)</p>  <p style="text-align: center;">CONNECTOR 2018590C1</p>			<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>CAV</th> <th>CIR</th> <th>GAUGE</th> <th>COLOR</th> <th>TERMINAL</th> </tr> </thead> <tbody> <tr><td>1</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>2</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>3</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>4</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>5</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>6</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>7</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>8</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>9</td><td>A41</td><td>18</td><td>TN</td><td>2018639C1</td></tr> <tr><td>10</td><td>A50</td><td>18</td><td>YL</td><td>2018639C1</td></tr> <tr><td>11</td><td>A5AM(-)</td><td>18</td><td>GN</td><td>2018639C1</td></tr> <tr><td>12</td><td>A5AL(+)</td><td>18</td><td>YL</td><td>2018639C1</td></tr> </tbody> </table>			CAV	CIR	GAUGE	COLOR	TERMINAL	1	-	-	-	-	2	-	-	-	-	3	-	-	-	-	4	-	-	-	-	5	-	-	-	-	6	-	-	-	-	7	-	-	-	-	8	-	-	-	-	9	A41	18	TN	2018639C1	10	A50	18	YL	2018639C1	11	A5AM(-)	18	GN	2018639C1	12	A5AL(+)	18	YL	2018639C1																														
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<p style="text-align: center;">WARNING LIGHTS (1555) (LOCATED AT INSTRUMENT CLUSTER)</p>  <p style="text-align: center;">CONNECTOR 2005835C1 CONNECTOR 2006503C1 BODY LOCK</p>			<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>CAV</th> <th>CIR</th> <th>GAUGE</th> <th>COLOR</th> <th>TERMINAL</th> </tr> </thead> <tbody> <tr><td>A</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>B</td><td>A95PF</td><td>18</td><td>TN</td><td>1661208C1</td></tr> <tr><td>C</td><td>A31B</td><td>18</td><td>TN</td><td>1661208C1</td></tr> <tr><td>D</td><td>A95ET</td><td>18</td><td>TN</td><td>1661208C1</td></tr> <tr><td>E</td><td>A95ET-G</td><td>18</td><td>TN</td><td>1661208C1</td></tr> <tr><td>F</td><td>A31C</td><td>18</td><td>TN</td><td>1661208C1</td></tr> <tr><td>G</td><td>A95PF-G</td><td>18</td><td>TN</td><td>1661208C1</td></tr> <tr><td>H</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> </tbody> </table>			CAV	CIR	GAUGE	COLOR	TERMINAL	A	-	-	-	-	B	A95PF	18	TN	1661208C1	C	A31B	18	TN	1661208C1	D	A95ET	18	TN	1661208C1	E	A95ET-G	18	TN	1661208C1	F	A31C	18	TN	1661208C1	G	A95PF-G	18	TN	1661208C1	H	-	-	-	-																																																		
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<p style="text-align: center;">BODY CONTROLLER (1600) (LOCATED AT INSIDE RIGHT SIDE DASH PANEL)</p>  <p style="text-align: center;">CONNECTOR 3598706C1 CONNECTOR 1618846C1 BODY LOCK 1618847C1</p>			<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>CAV</th> <th>CIR</th> <th>GAUGE</th> <th>COLOR</th> <th>TERMINAL</th> </tr> </thead> <tbody> <tr><td>A1</td><td>A12D</td><td>18</td><td>LT BL</td><td>3522073C1</td></tr> <tr><td>A2</td><td>A89BB</td><td>18</td><td>PL</td><td>3522073C1</td></tr> <tr><td>A3</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>A4</td><td>A52C</td><td>20</td><td>YL</td><td>3534303C1</td></tr> <tr><td>A5</td><td>A85B</td><td>18</td><td>GY</td><td>3522073C1</td></tr> <tr><td>A6</td><td>A57</td><td>20</td><td>OR</td><td>3534303C1</td></tr> <tr><td>A7</td><td>A56</td><td>20</td><td>OR</td><td>3534303C1</td></tr> <tr><td>A8*</td><td>A89FF</td><td>18</td><td>PL</td><td>3522073C1</td></tr> <tr><td>A8*</td><td>A89DD</td><td>18</td><td>PL</td><td>3522073C1</td></tr> <tr><td>A9</td><td>A82S</td><td>20</td><td>GY</td><td>3534303C1</td></tr> <tr><td>A10</td><td>A82T</td><td>20</td><td>GY</td><td>3534303C1</td></tr> <tr><td>A11</td><td>A82U</td><td>20</td><td>GY</td><td>3534303C1</td></tr> <tr><td>A12</td><td>A44BB</td><td>18</td><td>GY</td><td>3522073C1</td></tr> <tr><td>A13*</td><td>A89DD</td><td>18</td><td>PL</td><td>3522073C1</td></tr> <tr><td>A13*</td><td>A89FF</td><td>18</td><td>PL</td><td>3522073C1</td></tr> <tr><td>A14</td><td>A102</td><td>20</td><td>YL</td><td>3534303C1</td></tr> <tr><td>A15</td><td>A87-GB</td><td>18</td><td>GY</td><td>3522073C1</td></tr> <tr><td>A16</td><td>A13AD</td><td>16</td><td>PK</td><td>3522073C1</td></tr> </tbody> </table>			CAV	CIR	GAUGE	COLOR	TERMINAL	A1	A12D	18	LT BL	3522073C1	A2	A89BB	18	PL	3522073C1	A3	-	-	-	-	A4	A52C	20	YL	3534303C1	A5	A85B	18	GY	3522073C1	A6	A57	20	OR	3534303C1	A7	A56	20	OR	3534303C1	A8*	A89FF	18	PL	3522073C1	A8*	A89DD	18	PL	3522073C1	A9	A82S	20	GY	3534303C1	A10	A82T	20	GY	3534303C1	A11	A82U	20	GY	3534303C1	A12	A44BB	18	GY	3522073C1	A13*	A89DD	18	PL	3522073C1	A13*	A89FF	18	PL	3522073C1	A14	A102	20	YL	3534303C1	A15	A87-GB	18	GY	3522073C1	A16	A13AD	16	PK	3522073C1
CAV	CIR	GAUGE	COLOR	TERMINAL																																																																																																
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A16	A13AD	16	PK	3522073C1																																																																																																
<p style="text-align: center;">KEY :</p> <p>* = MUTUALLY EXCLUSIVE</p> <p># = W/ LIGHTED STEERING WHEEL SWITCH</p> <p>@ = N/ LIGHTED STEERING WHEEL SWITCH</p>			<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>CAV</th> <th>CIR</th> <th>GAUGE</th> <th>COLOR</th> <th>TERMINAL</th> </tr> </thead> <tbody> <tr><td>B1</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>B2</td><td>A40</td><td>18</td><td>GY</td><td>3522073C1</td></tr> <tr><td>B3</td><td>A40A</td><td>18</td><td>GY</td><td>3522073C1</td></tr> <tr><td>B4</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>B5</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>B6</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>B7</td><td>A77R</td><td>18</td><td>LTGN</td><td>3522073C1</td></tr> <tr><td>B8</td><td>A36</td><td>18</td><td>TN</td><td>3522073C1</td></tr> <tr><td>B9</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>B10</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>B11</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>B12</td><td>A89MM</td><td>18</td><td>PL</td><td>3522073C1</td></tr> <tr><td>B13</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>B14</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>B15</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>B16#</td><td>A89C</td><td>18</td><td>VT</td><td>3522073C1</td></tr> <tr><td>B16@</td><td>A89C</td><td>18</td><td>GY</td><td>3522073C1</td></tr> </tbody> </table>			CAV	CIR	GAUGE	COLOR	TERMINAL	B1	-	-	-	-	B2	A40	18	GY	3522073C1	B3	A40A	18	GY	3522073C1	B4	-	-	-	-	B5	-	-	-	-	B6	-	-	-	-	B7	A77R	18	LTGN	3522073C1	B8	A36	18	TN	3522073C1	B9	-	-	-	-	B10	-	-	-	-	B11	-	-	-	-	B12	A89MM	18	PL	3522073C1	B13	-	-	-	-	B14	-	-	-	-	B15	-	-	-	-	B16#	A89C	18	VT	3522073C1	B16@	A89C	18	GY	3522073C1					
CAV	CIR	GAUGE	COLOR	TERMINAL																																																																																																
B1	-	-	-	-																																																																																																
B2	A40	18	GY	3522073C1																																																																																																
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B16@	A89C	18	GY	3522073C1																																																																																																
<table border="1" style="width: 100%; border-collapse: collapse;"> <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>CNA1</td> <td>04OCT07</td> <td>REVISED CONN 1600</td> <td>B</td> <td>50378H</td> <td>U00K640</td> <td>CIRCUIT DIAGRAM, BE, CE BUS</td> </tr> <tr> <td></td> <td>CKTS.</td> <td></td> <td></td> <td></td> <td>RELEASE NO. 59974E</td> <td>DATE 29SEP06</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>PART NO. AE08056604</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>SHEET 013</td> </tr> </table>						CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME	CNA1	04OCT07	REVISED CONN 1600	B	50378H	U00K640	CIRCUIT DIAGRAM, BE, CE BUS		CKTS.				RELEASE NO. 59974E	DATE 29SEP06							PART NO. AE08056604							SHEET 013																																																												
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Figure 110 Connector Composites (1505), (1555), (1600)

11.14. CONNECTOR COMPOSITES (1601), (1602), (1603), P. 14

INTERNATIONAL TRUCK AND ENGINE CORPORATION

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ELECTRICAL CIRCUIT DIAGRAM

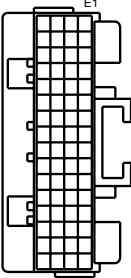
CHAPTER 11

CONNECTOR BODY COMPOSITE - MATING VIEW SHOWN

BODY CONTROLLER
(1601)
(LOCATED AT INSIDE
RIGHT SIDE DASH PANEL)

F1

E1



F16

E16

CONNECTOR 3598707C1

CONNECTOR 1618846C1
BODY LOCK 1618847C1

CAV	CIR	GAUGE	COLOR	TERMINAL
E1	A89AR	18	PL	3522073C1
E2	A89HH	18	PL	3522073C1
E3	A64C	18	YL	3522073C1
E4	A71C	18	OR	3522073C1
E5	A70A	18	OR	3522073C1
E6*	A82D	18	GY	3522073C1
E6*	A82B	18	GY	3522073C1
E7*	A82C	18	GY	3522073C1
E7*	A82A	18	GY	3522073C1
E8	A92AB	18	TN	3522073C1
E9	A89AP	18	PL	3522073C1
E10	-	-	-	-
E11	-	-	-	-
E12	A59L	18	GY	3522073C1
E13	A89EE	18	PL	3522073C1
E14	-	-	-	-
E15	-	-	-	-
E16	A59J	18	GY	3522073C1

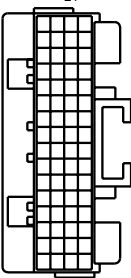
CAV	CIR	GAUGE	COLOR	TERMINAL
F1	A44A	18	GY	3522073C1
F2	-	-	-	-
F3	-	-	-	-
F4	-	-	-	-
F5	-	-	-	-
F6	-	-	-	-
F7	-	-	-	-
F8	A59M	18	GY	3522073C1
F9	-	-	-	-
F10	A59K	18	GY	3522073C1
F11	A92T	18	TN	3522073C1
F12	A95PF	18	TN	3522073C1
F13	A77S	18	LTGN	3522073C1
F14	A77T	18	LTGN	3522073C1
F15	-	-	-	-
F16	A95ET	18	TN	3522073C1

KEY :
* = MUTUALLY EXCLUSIVE

BODY CONTROLLER
(1602)
(LOCATED AT INSIDE
RIGHT SIDE DASH PANEL)

F1

E1



F16

E16

CONNECTOR 3598705C1

CONNECTOR 1618846C1
BODY LOCK 1618847C1

CAV	CIR	GAUGE	COLOR	TERMINAL
E1	A3F(-)	18	GY	3522073C1
E2	A3E(+)	18	DKBL	3522073C1
E3	A9A	18	GY	3522073C1
E4	-	-	-	-
E5	A9H	18	GY	3522073C1
E6*	A6H	18	GY	3522073C1
E6*	A6J	16	GY	3522073C1
E7	-	-	-	-
E8	-	-	-	-
E9	-	-	-	-
E10	-	-	-	-
E11	A50	18	YL	3522073C1
E12	A89E	18	PL	3522073C1
E13	-	-	-	-
E14*	A70CA	18	OR	3522073C1
E14*	A90F	18	GY	3522073C1
E15	A70CB	18	OR	3522073C1
E16	A11-GAH	16	WH	3522073C1

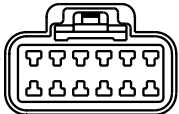
CAV	CIR	GAUGE	COLOR	TERMINAL
F1	-	-	-	-
F2	A5BK(-)	18	GN	3522073C1
F3	A5BJ(+)	18	YL	3522073C1
F4	-	-	-	-
F5	-	-	-	-
F6	-	-	-	-
F7	-	-	-	-
F8	A89SL	18	PL	3522073C1
F9	A89D	18	PL	3522073C1
F10	-	-	-	-
F11	A89AA	18	PL	3522073C1
F12	-	-	-	-
F13	A89CC	18	PL	3522073C1
F14	-	-	-	-
F15	A89SK	18	PL	3522073C1
F16	A89KK	18	PL	3522073C1

KEY :
* = MUTUALLY EXCLUSIVE

BODY CONTROLLER
(1603)
(LOCATED AT INSIDE
RIGHT SIDE DASH PANEL)

F

A



F

A

M

G

CONNECTOR 3598711C1

CAV	CIR	GAUGE	COLOR	TERMINAL
A	A57A	14	OR	3544877C1
B	A56A	14	OR	3544877C1
C	A89YY	16	VT	3544876C1
D	A56C	14	YL	3544877C1
E	A85	16	GY	3544876C1
F	A89RF	16	VT	3544876C1

CAV	CIR	GAUGE	COLOR	TERMINAL
G	A89SS	16	VT	3544876C1
H	A89LF	16	VT	3544876C1
J	A89LB	16	VT	3544876C1
K	A89JJ	16	VT	3544876C1
L	A89RB	16	VT	3544876C1
M	A57C	14	LTGN	3544877C1

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME			
CNA1	04OCT07	REVISED CONN 1601	B	50378H	U00K640	CIRCUIT DIAGRAM, BE, CE BUS			
	CKTS.				RELEASE NO.	DATE	PART NO.	SHEET	
					59974E	03OCT06	AE08056604	014	

Figure 111 Connector Composites (1601), (1602), (1603)

11.15. CONNECTOR COMPOSITES (1604), (1650), (1657M), P. 15

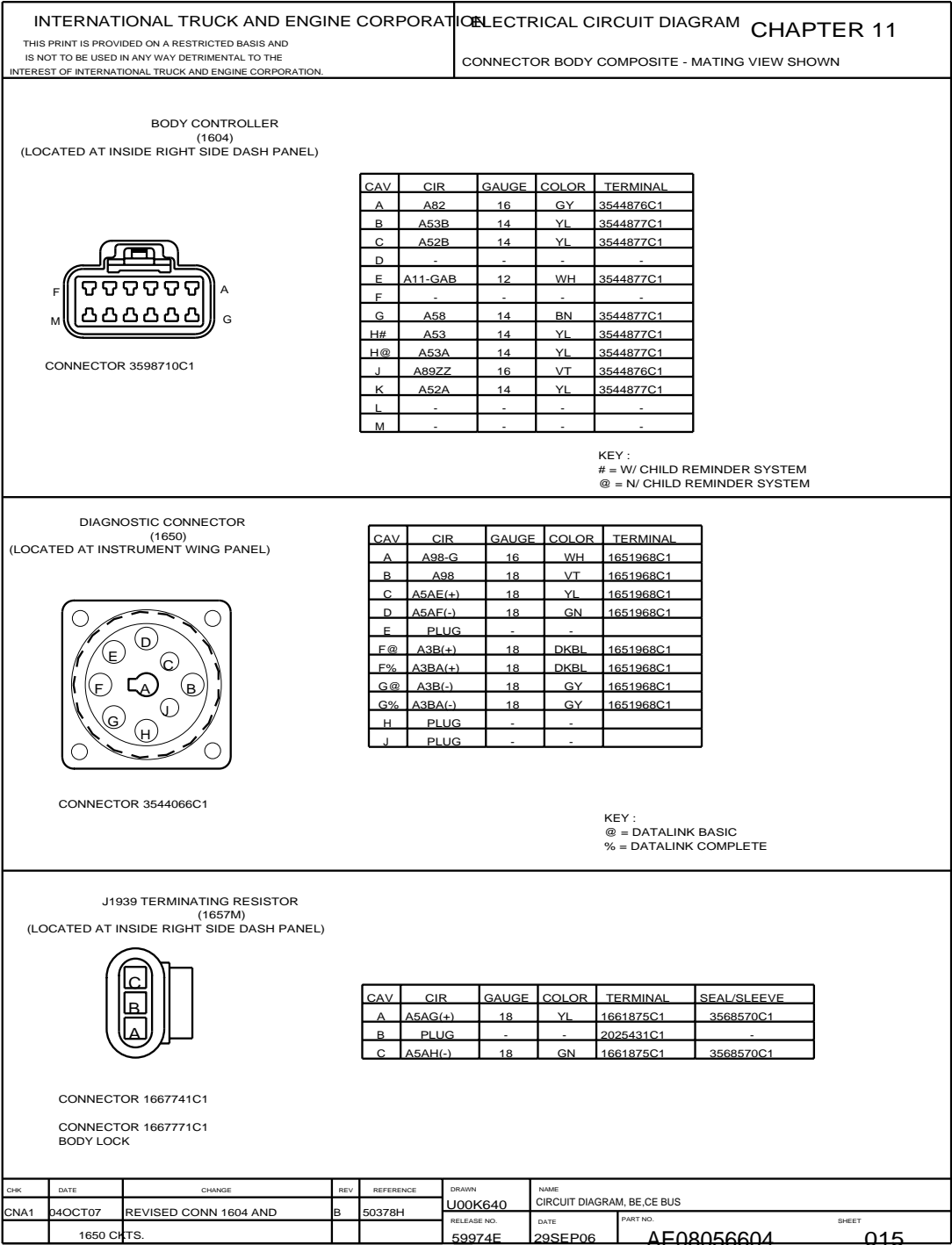


Figure 112 Connector Composites (1604), (1650), (1657M)

11.16. CONNECTOR COMPOSITES (1660), (1661), P. 16

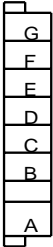
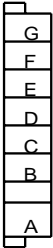
INTERNATIONAL TRUCK AND ENGINE CORPORATION				ELECTRICAL CIRCUIT DIAGRAM CHAPTER 11																																											
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<div style="text-align: center; margin-bottom: 20px;">J1708 PUBLIC (+) (1660) (LOCATED AT RIGHT SIDE INSTRUMENT PANEL)</div> <div style="display: flex; justify-content: space-around; align-items: flex-start;"><div style="text-align: center;"></div><div><table border="1" style="border-collapse: collapse; text-align: center; font-size: 10px;"><thead><tr><th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>TERMINAL</th></tr></thead><tbody><tr><td>A</td><td>A3C(+)</td><td>18</td><td>DKBL</td><td>1661208C1</td></tr><tr><td>B</td><td>A3AA(+)</td><td>18</td><td>DKBL</td><td>1661208C1</td></tr><tr><td>C</td><td>A3BA(+)</td><td>18</td><td>DKBL</td><td>1661208C1</td></tr><tr><td>D</td><td>A3H(+)</td><td>18</td><td>DKBL</td><td>1661208C1</td></tr><tr><td>E</td><td>-</td><td>-</td><td>-</td><td>-</td></tr><tr><td>F</td><td>-</td><td>-</td><td>-</td><td>-</td></tr><tr><td>G</td><td>-</td><td>-</td><td>-</td><td>-</td></tr></tbody></table></div></div> <div style="text-align: center; margin-top: 20px;">CONNECTOR 2006789C1</div>								CAV	CIR	GAUGE	COLOR	TERMINAL	A	A3C(+)	18	DKBL	1661208C1	B	A3AA(+)	18	DKBL	1661208C1	C	A3BA(+)	18	DKBL	1661208C1	D	A3H(+)	18	DKBL	1661208C1	E	-	-	-	-	F	-	-	-	-	G	-	-	-	-
CAV	CIR	GAUGE	COLOR	TERMINAL																																											
A	A3C(+)	18	DKBL	1661208C1																																											
B	A3AA(+)	18	DKBL	1661208C1																																											
C	A3BA(+)	18	DKBL	1661208C1																																											
D	A3H(+)	18	DKBL	1661208C1																																											
E	-	-	-	-																																											
F	-	-	-	-																																											
G	-	-	-	-																																											
<div style="text-align: center; margin-bottom: 20px;">J1708 PUBLIC (-) (1661) (LOCATED AT RIGHT SIDE INSTRUMENT PANEL)</div> <div style="display: flex; justify-content: space-around; align-items: flex-start;"><div style="text-align: center;"></div><div><table border="1" style="border-collapse: collapse; text-align: center; font-size: 10px;"><thead><tr><th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>TERMINAL</th></tr></thead><tbody><tr><td>A</td><td>A3C(-)</td><td>18</td><td>GY</td><td>1661208C1</td></tr><tr><td>B</td><td>A3AA(-)</td><td>18</td><td>GY</td><td>1661208C1</td></tr><tr><td>C</td><td>A3BA(-)</td><td>18</td><td>GY</td><td>1661208C1</td></tr><tr><td>D</td><td>A3H(-)</td><td>18</td><td>GY</td><td>1661208C1</td></tr><tr><td>E</td><td>-</td><td>-</td><td>-</td><td>-</td></tr><tr><td>F</td><td>-</td><td>-</td><td>-</td><td>-</td></tr><tr><td>G</td><td>-</td><td>-</td><td>-</td><td>-</td></tr></tbody></table></div></div> <div style="text-align: center; margin-top: 20px;">CONNECTOR 2006789C1</div>								CAV	CIR	GAUGE	COLOR	TERMINAL	A	A3C(-)	18	GY	1661208C1	B	A3AA(-)	18	GY	1661208C1	C	A3BA(-)	18	GY	1661208C1	D	A3H(-)	18	GY	1661208C1	E	-	-	-	-	F	-	-	-	-	G	-	-	-	-
CAV	CIR	GAUGE	COLOR	TERMINAL																																											
A	A3C(-)	18	GY	1661208C1																																											
B	A3AA(-)	18	GY	1661208C1																																											
C	A3BA(-)	18	GY	1661208C1																																											
D	A3H(-)	18	GY	1661208C1																																											
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CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME																																									
CNA1	04OCT07	REVISED AND REDRAWN.	B	50378H	U00K640	CIRCUIT DIAGRAM, BE,CE BUS																																									
				RELEASE NO.	DATE	PART NO.	SHEET																																								
				59974E	29SEP06	AE08056604	016																																								

Figure 113 Connector Composites (1660), (1661)

11.17. CONNECTOR COMPOSITES (1700), P. 17

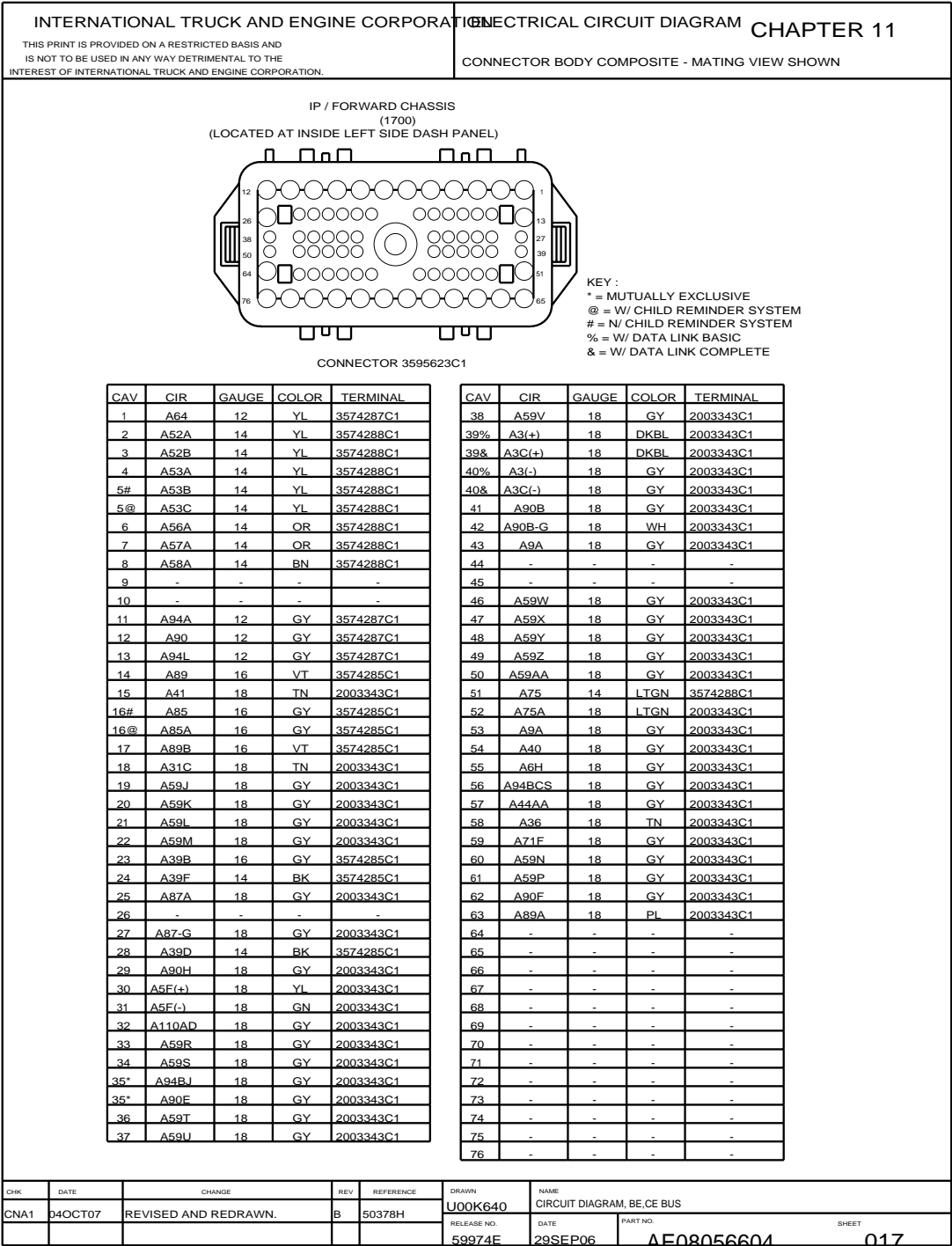


Figure 114 Connector Composites (1700)

S08329

11.18. CONNECTOR COMPOSITES (1700), P. 18

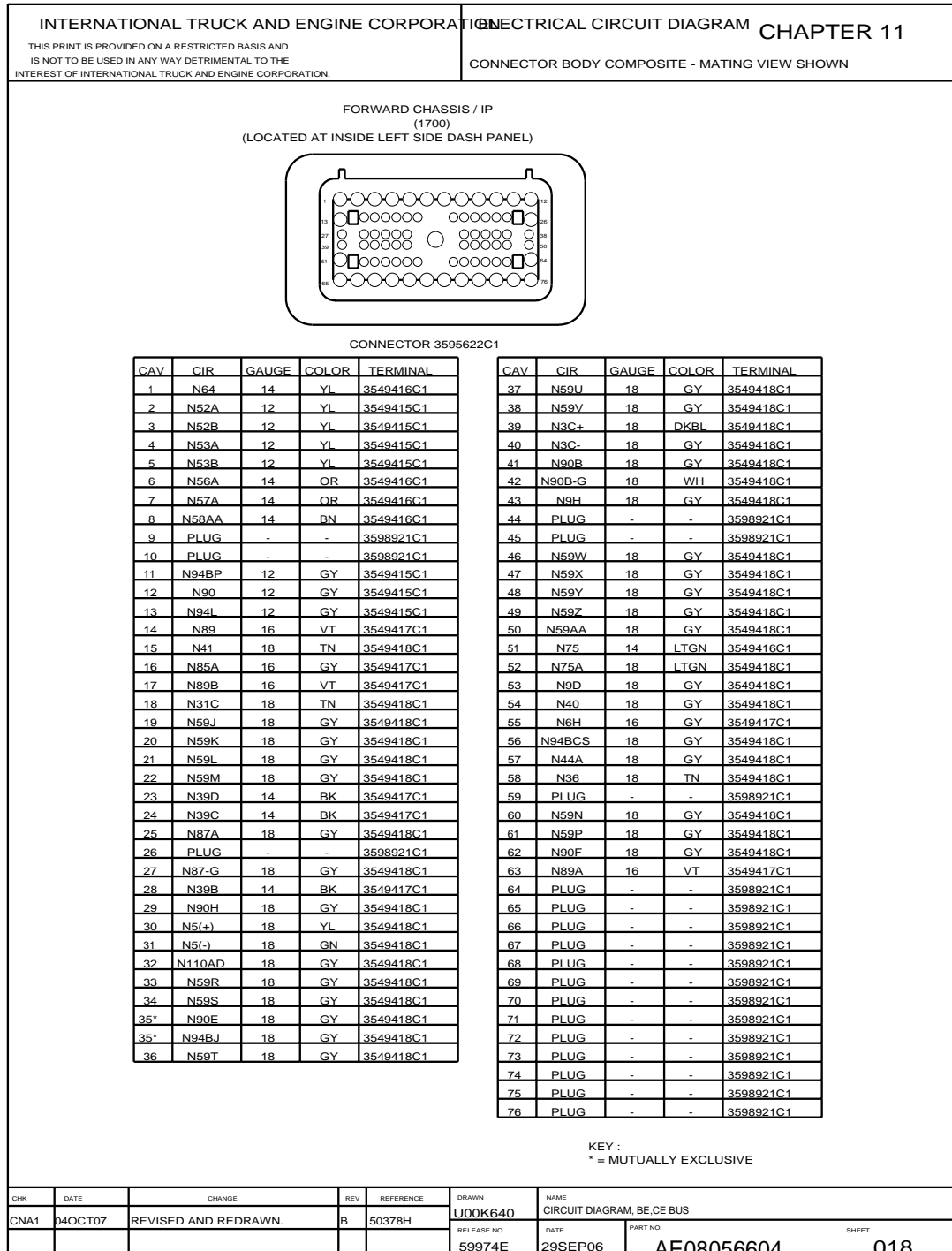


Figure 115 Connector Composites (1700)

11.19. CONNECTOR COMPOSITES (1701), P. 19

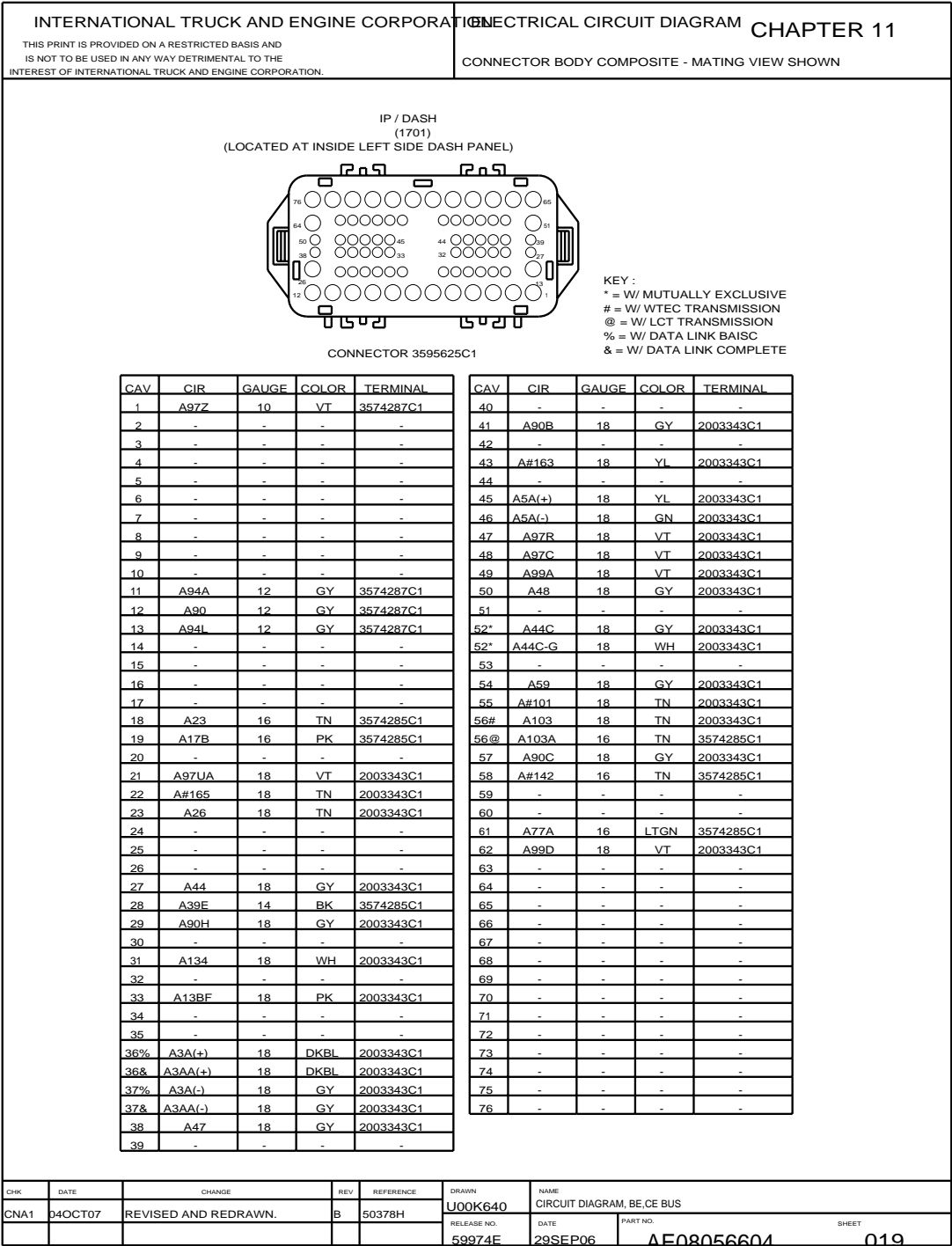


Figure 116 Connector Composites (1701)

11.20. CONNECTOR COMPOSITES (1701), P. 20

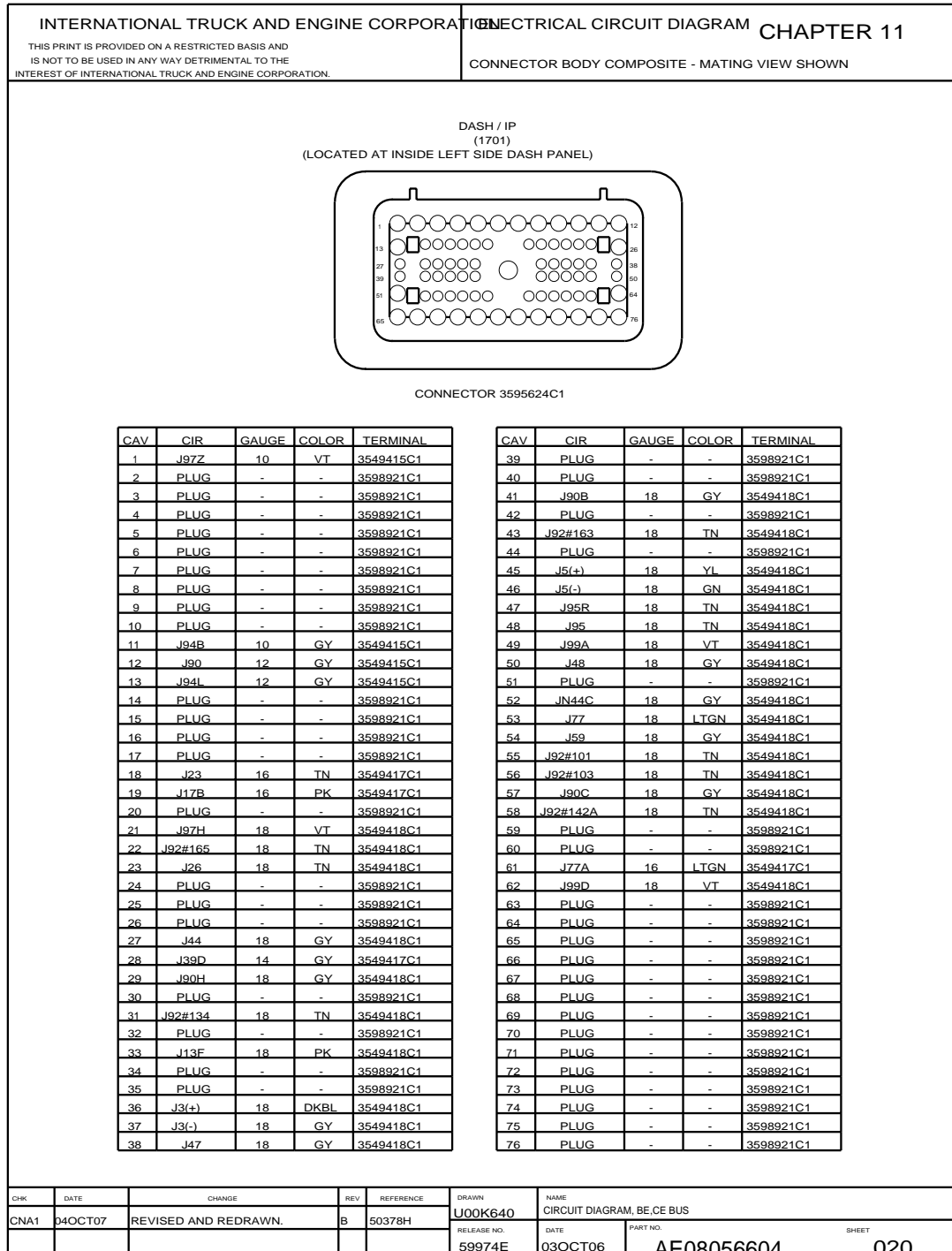


Figure 117 Connector Composites (1701)

11.21. CONNECTOR COMPOSITES (1702), P. 21

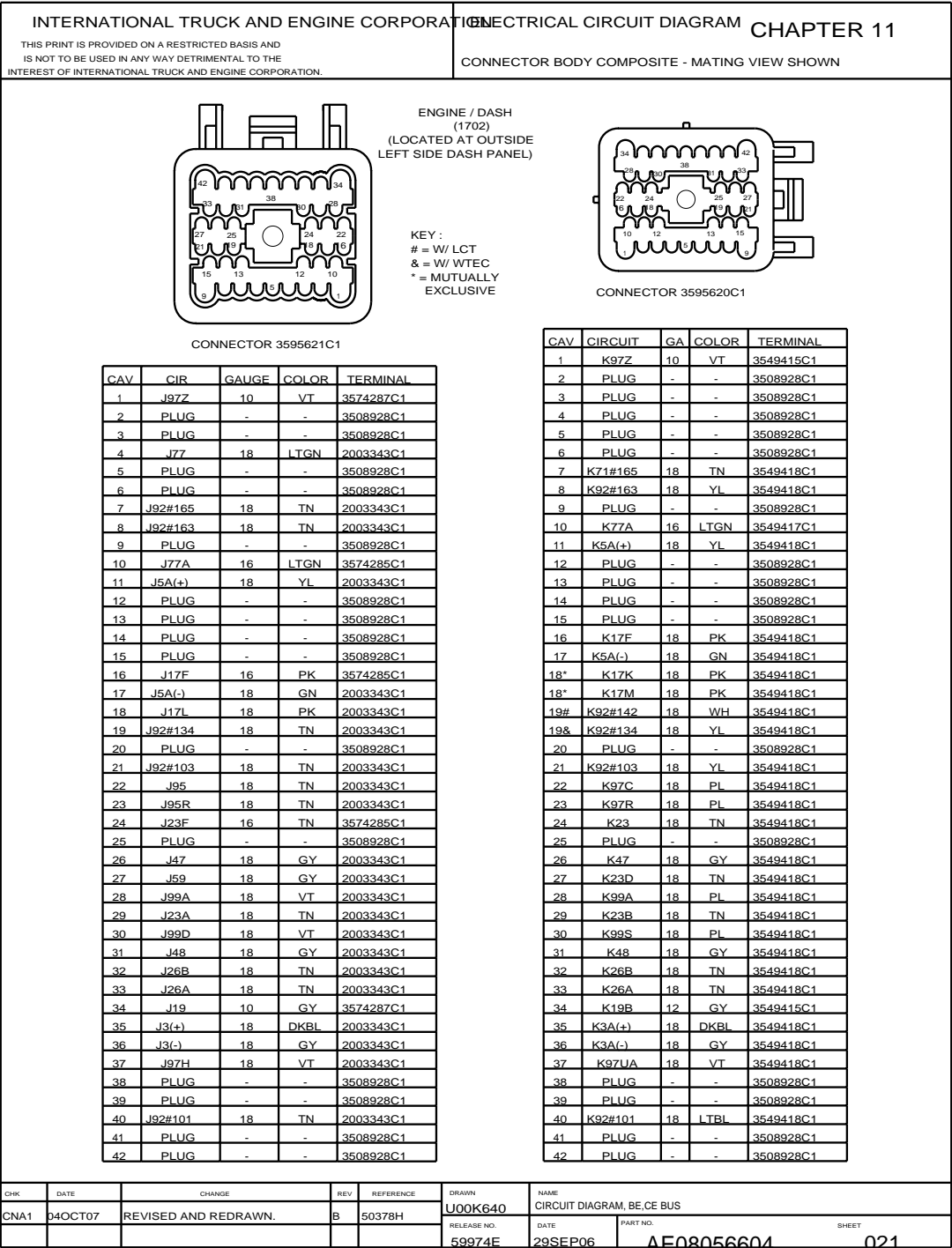


Figure 118 Connector Composites (1702)

11.22. CONNECTOR COMPOSITES (1800), (1804), P. 22

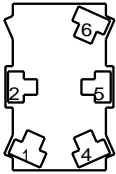
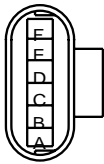
INTERNATIONAL TRUCK AND ENGINE CORPORATION				ELECTRICAL CIRCUIT DIAGRAM CHAPTER 11																																				
THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF INTERNATIONAL TRUCK AND ENGINE CORPORATION.				CONNECTOR BODY COMPOSITE - MATING VIEW SHOWN																																				
<div style="display: flex; justify-content: space-between;"><div style="width: 45%;"><p style="text-align: center;">BLINK CODE SWITCH (1800) (LOCATED ABOVE ACCELERATOR)</p><p style="text-align: center;">CONNECTOR 1661256C1</p></div><div style="width: 50%;"><table border="1" style="width: 100%; border-collapse: collapse; font-size: x-small;"><thead><tr><th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>TERMINAL</th></tr></thead><tbody><tr><td>1</td><td>-</td><td>-</td><td>-</td><td>-</td></tr><tr><td>2</td><td>-</td><td>-</td><td>-</td><td>-</td></tr><tr><td>4</td><td>-</td><td>-</td><td>-</td><td>-</td></tr><tr><td>5</td><td>A94BCS</td><td>18</td><td>GY</td><td>1661224C1</td></tr><tr><td>6</td><td>A94-G</td><td>18</td><td>WH</td><td>1661224C1</td></tr></tbody></table></div></div>						CAV	CIR	GAUGE	COLOR	TERMINAL	1	-	-	-	-	2	-	-	-	-	4	-	-	-	-	5	A94BCS	18	GY	1661224C1	6	A94-G	18	WH	1661224C1					
CAV	CIR	GAUGE	COLOR	TERMINAL																																				
1	-	-	-	-																																				
2	-	-	-	-																																				
4	-	-	-	-																																				
5	A94BCS	18	GY	1661224C1																																				
6	A94-G	18	WH	1661224C1																																				
<div style="display: flex; justify-content: space-between;"><div style="width: 45%;"><p style="text-align: center;">ACCELERATION PEDAL POSITION SENSOR (1804) (LOCATED AT ACCELERATOR PEDAL)</p><p style="text-align: center;">CONNECTOR 1687790C1</p></div><div style="width: 50%;"><table border="1" style="width: 100%; border-collapse: collapse; font-size: x-small;"><thead><tr><th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>TERMINAL</th></tr></thead><tbody><tr><td>A</td><td>A99A</td><td>18</td><td>VT</td><td>1651943C1</td></tr><tr><td>B</td><td>A97R</td><td>18</td><td>VT</td><td>1651943C1</td></tr><tr><td>C</td><td>A97C</td><td>18</td><td>VT</td><td>1651943C1</td></tr><tr><td>D</td><td>A99D</td><td>18</td><td>VT</td><td>1651943C1</td></tr><tr><td>E</td><td>PLUG</td><td>-</td><td>-</td><td>1687788C1</td></tr><tr><td>F</td><td>A99F</td><td>18</td><td>VT</td><td>1651943C1</td></tr></tbody></table></div></div>						CAV	CIR	GAUGE	COLOR	TERMINAL	A	A99A	18	VT	1651943C1	B	A97R	18	VT	1651943C1	C	A97C	18	VT	1651943C1	D	A99D	18	VT	1651943C1	E	PLUG	-	-	1687788C1	F	A99F	18	VT	1651943C1
CAV	CIR	GAUGE	COLOR	TERMINAL																																				
A	A99A	18	VT	1651943C1																																				
B	A97R	18	VT	1651943C1																																				
C	A97C	18	VT	1651943C1																																				
D	A99D	18	VT	1651943C1																																				
E	PLUG	-	-	1687788C1																																				
F	A99F	18	VT	1651943C1																																				
CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME																																		
CNA1	04OCT07	REVISED AND REDRAWN.	B	50378H	U00K640	CIRCUIT DIAGRAM, BE,CE BUS																																		
					RELEASE NO. 59974E	DATE 29SEP06																																		
						PART NO. AE08056604																																		
						SHEET 022																																		

Figure 119 Connector Composites (1800), (1804)

11.23. CONNECTOR COMPOSITES (1809), (1810), (1811), (1812), (1823), P. 23

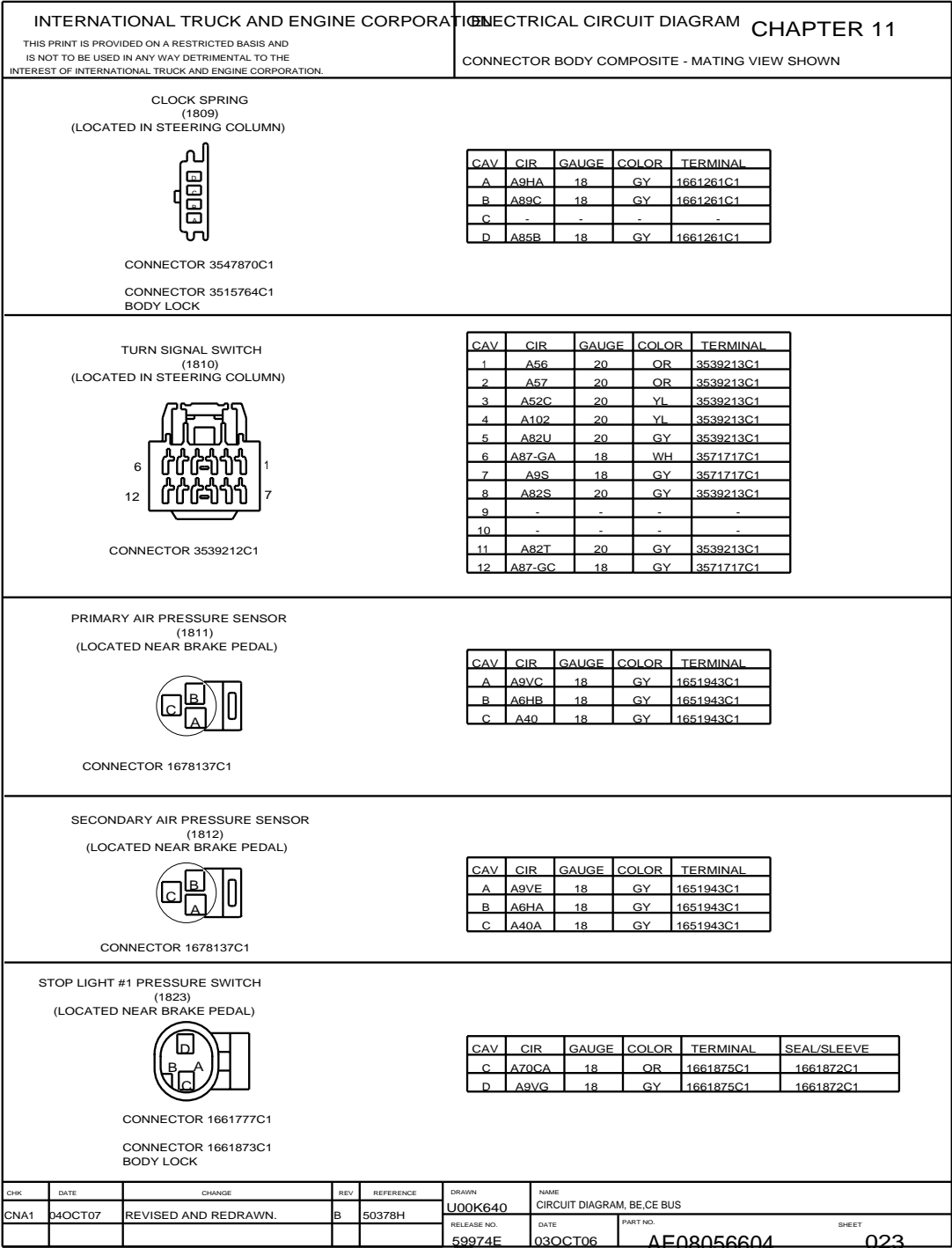


Figure 120 Connector Composites (1809), (1810), (1811), (1812), (1823)

11.24. CONNECTOR COMPOSITES (1824), (1828), (1830), (1850), P. 24



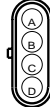
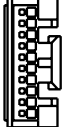
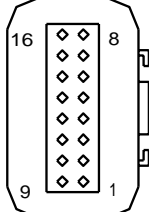
INTERNATIONAL TRUCK AND ENGINE CORPORATION				ELECTRICAL CIRCUIT DIAGRAM CHAPTER 11																																																																																						
THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF INTERNATIONAL TRUCK AND ENGINE CORPORATION.				CONNECTOR BODY COMPOSITE - MATING VIEW SHOWN																																																																																						
STOP LIGHT #2 PRESSURE SWITCH (1824) (LOCATED NEAR BRAKE PEDAL) <div style="text-align: center;">  </div>			<table border="1" style="width: 100%; border-collapse: collapse; font-size: 0.8em;"> <thead> <tr> <th>CAV</th> <th>CIR</th> <th>GAUGE</th> <th>COLOR</th> <th>TERMINAL</th> <th>SEAL/SLEEVE</th> </tr> </thead> <tbody> <tr> <td>C</td> <td>A70CB</td> <td>18</td> <td>OR</td> <td>1661875C1</td> <td>1661872C1</td> </tr> <tr> <td>D</td> <td>A9VH</td> <td>18</td> <td>GY</td> <td>1661875C1</td> <td>1661872C1</td> </tr> </tbody> </table>			CAV	CIR	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE	C	A70CB	18	OR	1661875C1	1661872C1	D	A9VH	18	GY	1661875C1	1661872C1																																																																			
CAV	CIR	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE																																																																																					
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D	A9VH	18	GY	1661875C1	1661872C1																																																																																					
CONNECTOR 1661777C1 CONNECTOR 1661873C1 BODY LOCK																																																																																										
SHIFT LEVER PARK INTERLOCK SOLENOID (1828) (LOCATED AT INSTRUMENT WING PANEL) <div style="text-align: center;">  </div>			<table border="1" style="width: 100%; border-collapse: collapse; font-size: 0.8em;"> <thead> <tr> <th>CAV</th> <th>CIR</th> <th>GAUGE</th> <th>COLOR</th> <th>TERMINAL</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>A92AB</td> <td>18</td> <td>TN</td> <td>1661208C1</td> </tr> <tr> <td>B</td> <td>A92</td> <td>18</td> <td>TN</td> <td>1661208C1</td> </tr> </tbody> </table>			CAV	CIR	GAUGE	COLOR	TERMINAL	A	A92AB	18	TN	1661208C1	B	A92	18	TN	1661208C1																																																																						
CAV	CIR	GAUGE	COLOR	TERMINAL																																																																																						
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B	A92	18	TN	1661208C1																																																																																						
CONNECTOR 1661196C1																																																																																										
LCT XMSN PARK SWITCH AND PANEL LIGHT (1830) (LOCATED AT INSTRUMENT WING PANEL) <div style="text-align: center;">  </div>			<table border="1" style="width: 100%; border-collapse: collapse; font-size: 0.8em;"> <thead> <tr> <th>CAV</th> <th>CIR</th> <th>GAUGE</th> <th>COLOR</th> <th>TERMINAL</th> <th>SEAL/SLEEVE</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>A62H</td> <td>18</td> <td>DKBL</td> <td>0587578C1</td> <td>1652325C1</td> </tr> <tr> <td>B</td> <td>A62-GE</td> <td>18</td> <td>WH</td> <td>0587578C1</td> <td>1652325C1</td> </tr> <tr> <td>C</td> <td>A92E</td> <td>16</td> <td>TN</td> <td>0587577C1</td> <td>1652325C1</td> </tr> <tr> <td>D</td> <td>A92F</td> <td>16</td> <td>TN</td> <td>0587577C1</td> <td>1652325C1</td> </tr> </tbody> </table>			CAV	CIR	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE	A	A62H	18	DKBL	0587578C1	1652325C1	B	A62-GE	18	WH	0587578C1	1652325C1	C	A92E	16	TN	0587577C1	1652325C1	D	A92F	16	TN	0587577C1	1652325C1																																																							
CAV	CIR	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE																																																																																					
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D	A92F	16	TN	0587577C1	1652325C1																																																																																					
CONNECTOR 0587571C91																																																																																										
CLOCK SPRING (1832) (LOCATED AT STEERING COLUMN) <div style="text-align: center;">  </div>			<table border="1" style="width: 100%; border-collapse: collapse; font-size: 0.8em;"> <thead> <tr> <th>CAV</th> <th>CIR</th> <th>GAUGE</th> <th>COLOR</th> <th>TERMINAL</th> </tr> </thead> <tbody> <tr><td>1</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>2</td><td>A9HA</td><td>18</td><td>TN</td><td>3608497C1</td></tr> <tr><td>3</td><td>A89C</td><td>18</td><td>VT</td><td>3608497C1</td></tr> <tr><td>4</td><td>A11-GE</td><td>18</td><td>WH</td><td>3608497C1</td></tr> <tr><td>5</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>6</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>7</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>8</td><td>A62K</td><td>18</td><td>DKBL</td><td>3608497C1</td></tr> <tr><td>9</td><td>A85B</td><td>18</td><td>GY</td><td>3608497C1</td></tr> <tr><td>10</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> </tbody> </table>			CAV	CIR	GAUGE	COLOR	TERMINAL	1	-	-	-	-	2	A9HA	18	TN	3608497C1	3	A89C	18	VT	3608497C1	4	A11-GE	18	WH	3608497C1	5	-	-	-	-	6	-	-	-	-	7	-	-	-	-	8	A62K	18	DKBL	3608497C1	9	A85B	18	GY	3608497C1	10	-	-	-	-																														
CAV	CIR	GAUGE	COLOR	TERMINAL																																																																																						
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3	A89C	18	VT	3608497C1																																																																																						
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8	A62K	18	DKBL	3608497C1																																																																																						
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CONNECTOR 3608496C1																																																																																										
SHIFT SELECTOR (1850) (LOCATED IN INSTRUMENT PANEL NEAR SHIFTER) <div style="text-align: center;">  </div>			<table border="1" style="width: 100%; border-collapse: collapse; font-size: 0.8em;"> <thead> <tr> <th>CAV</th> <th>CIR</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>A62C</td><td>18</td><td>DKBL</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>A#169A</td><td>18</td><td>GY</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>A5MN(+)</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>A134</td><td>18</td><td>WH</td><td>3517243C1</td></tr> <tr><td>12</td><td>A#163A</td><td>18</td><td>YL</td><td>3517243C1</td></tr> <tr><td>13</td><td>A#170A</td><td>18</td><td>PK</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>A5MM(-)</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	CIR	GAUGE	COLOR	TERMINAL	1	PLUG	-	-	3518314C1	2	PLUG	-	-	3518314C1	3	A62C	18	DKBL	3517243C1	4	PLUG	-	-	3518314C1	5	A#169A	18	GY	3517243C1	6	PLUG	-	-	3518314C1	7	PLUG	-	-	3518314C1	8	A5MN(+)	18	YL	3517243C1	9	PLUG	-	-	3518314C1	10	PLUG	-	-	3518314C1	11	A134	18	WH	3517243C1	12	A#163A	18	YL	3517243C1	13	A#170A	18	PK	3517243C1	14	PLUG	-	-	3518314C1	15	A5MM(-)	18	GN	3517243C1	16	PLUG	-	-	3518314C1
CAV	CIR	GAUGE	COLOR	TERMINAL																																																																																						
1	PLUG	-	-	3518314C1																																																																																						
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3	A62C	18	DKBL	3517243C1																																																																																						
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12	A#163A	18	YL	3517243C1																																																																																						
13	A#170A	18	PK	3517243C1																																																																																						
14	PLUG	-	-	3518314C1																																																																																						
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16	PLUG	-	-	3518314C1																																																																																						
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CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME																																																																																				
CNA1	04OCT07	REVISED AND REDRAWN.	B	50378H	U00K640	CIRCUIT DIAGRAM, BE, CE BUS																																																																																				
					59974E	DATE: 03OCT06 PART NO: AE08056604 SHEET: 024																																																																																				

Figure 121 Connector Composites (1824), (1828), (1830), (1850)

11.25. CONNECTOR COMPOSITES (1900), (1901), (1906), (1907), (1912), P. 25

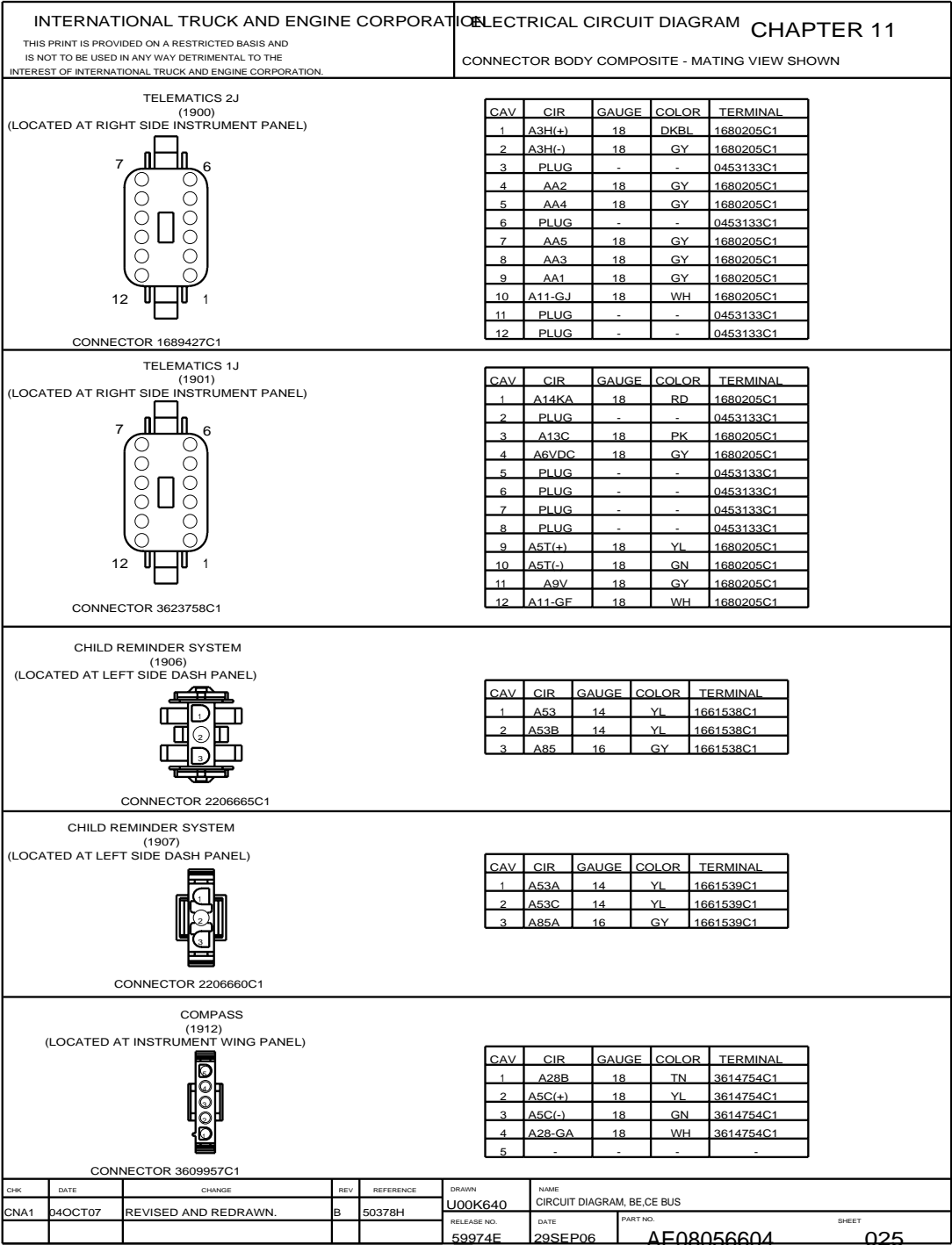
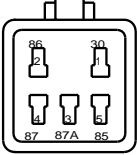


Figure 122 Connector Composites (1900), (1901), (1906), (1907), (1912)

11.26. CONNECTOR COMPOSITES (4002), (4003), (4005), (4006), (4016), P. 26

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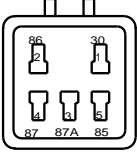
FAN DRIVE RELAY
(4002)
(LOCATED AT OUTSIDE CENTER TOP DASH PANEL)



CONNECTOR 3512331C91

CAV	CIR	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
1	J23B	16	TN	2039343C1	1652325C1
2	J23A	18	TN	2039343C1	1652325C1
3	PLUG	-	-	0587579C1	-
4	J23F	16	TN	2039343C1	1652325C1
5	J13C	18	PK	2039343C1	1652325C1

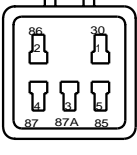
ENGINE CRANK INHIBIT RELAY
(4003)
(LOCATED AT OUTSIDE CENTER TOP DASH PANEL)



CONNECTOR 3512331C91

CAV	CIR	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
1	J17BA	16	PK	2039343C1	1652325C1
2	J17L	18	PK	2039343C1	1652325C1
3	PLUG	-	-	0587579C1	-
4	J17F	16	PK	2039343C1	1652325C1
5	J17BB	18	PK	2039343C1	1652325C1

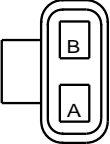
FUEL HEATER RELAY
(4005)
(LOCATED AT OUTSIDE CENTER TOP DASH PANEL)



CONNECTOR 3512331C91

CAV	CIR	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
1	J19A	10	GY	3512334C1	0589390C1
2	J11A	18	WH	2039343C1	1652325C1
3	PLUG	-	-	0587579C1	-
4	J19	10	GY	3512334C1	0589390C1
5	J13FA	18	PK	2039343C1	1652325C1

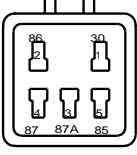
FUEL HEATER RELAY
(4006)
(LOCATED AT OUTSIDE CENTER TOP DASH PANEL)



CONNECTOR 3512967C1

CAV	CIR	GAUGE	COLOR	TERMINAL
A	J14A	10	RD	1661708C1
B	J19A	10	GY	1661708C1

AIR DRYER / DRAIN VALVE 2 RELAY
(4016)
(LOCATED AT OUTSIDE CENTER TOP DASH PANEL)



CONNECTOR 3512331C91

CAV	CIR	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
1	J39A	14	GY	3535486C1	0589391C1
2	J11B	18	WH	2039343C1	1652325C1
3	PLUG	-	-	0587579C1	-
4	J39D	14	GY	3535486C1	0589391C1
5	J13FC	18	PK	2039343C1	1652325C1

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
CNA1	04OCT07	REVISED AND REDRAWN.	B	50378H	U00K640	CIRCUIT DIAGRAM, BE, CE BUS
					RELEASE NO. 59974E	DATE 29SEP06
						PART NO. AE08056604
						SHEET 026

Figure 123 Connector Composites (4002), (4003), (4005), (4006), (4016)

11.27. CONNECTOR COMPOSITES (4017), (4034), (4036), (4039), (4040), (4041), P. 27

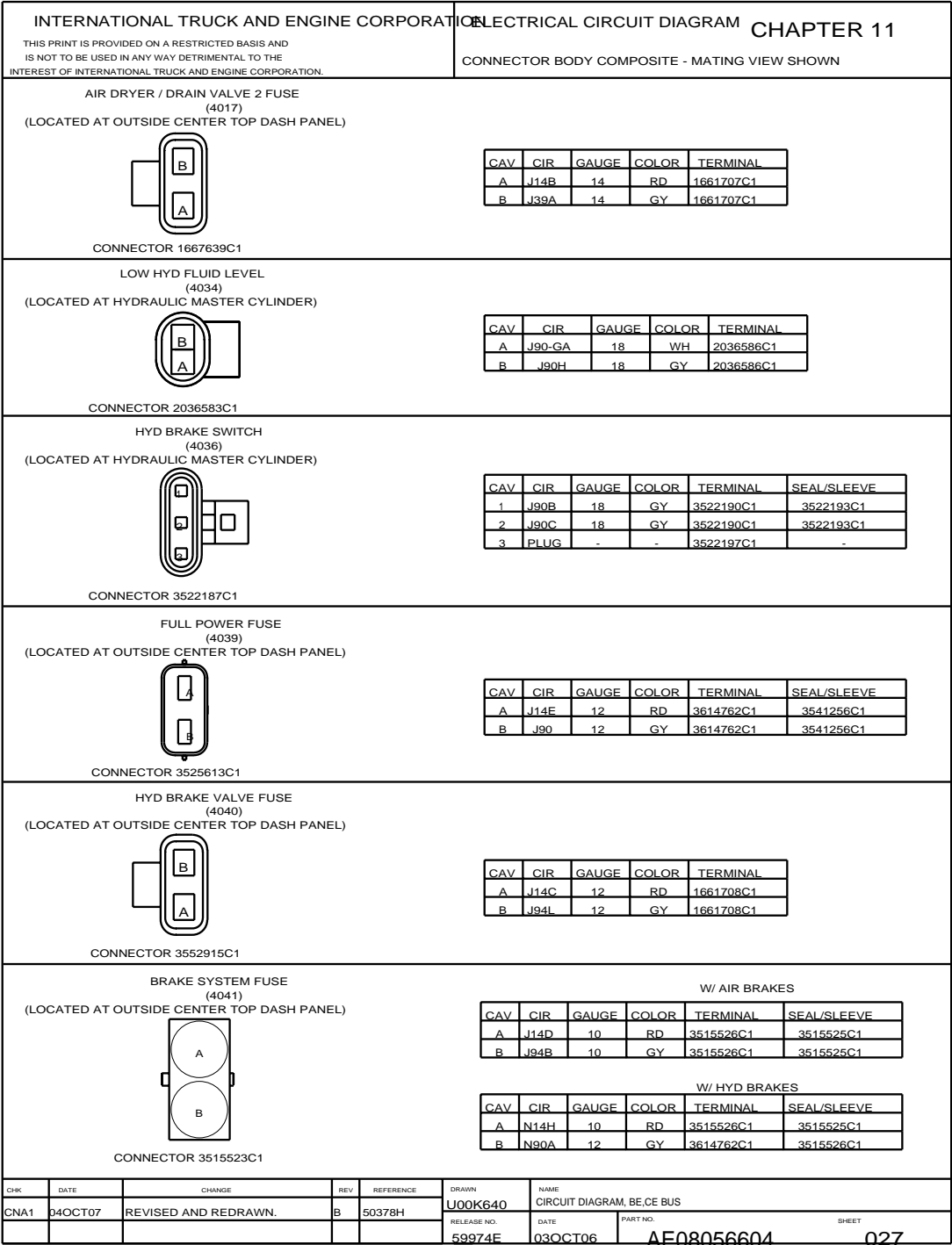
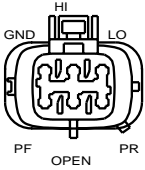


Figure 124 Connector Composites (4017), (4034), (4036), (4039), (4040), (4041)

11.28. CONNECTOR COMPOSITES (4046), (4087), (4111), P. 28

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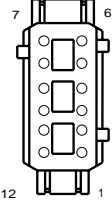
WIPER MOTOR
(4046)
(LOCATED AT INSIDE RIGHT SIDE TOP OF COWL)



CONNECTOR 3586987C1
CONNECTOR 3586992C1
BODY LOCK

CAV	CIR	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
GND	A82-GA	16	WH	3586990C1	3586991C1
HI	A82K	16	GY	3586990C1	3586991C1
LO	A82N	16	GY	3586990C1	3586991C1
OPEN	PLUG	-	-	3586993C1	-
PF	A82DA	16	GY	3586990C1	3586991C1
PR	A82H	16	GY	3586990C1	3586991C1

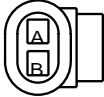
PAM MODULE
(4087)
(LOCATED AT OUTSIDE RIGHT SIDE DASH PANEL)



CONNECTOR 3553404C1
CONNECTOR 3553460C1
BODY LOCK

CAV	CIR	GAUGE	COLOR	TERMINAL
1	PLUG	-	-	3527276C1
2	PLUG	-	-	3527276C1
3	PLUG	-	-	3527276C1
4	PLUG	-	-	3527276C1
5	PLUG	-	-	3527276C1
6	J26D	18	TN	3518963C1
7	J5F(+)	18	YL	3518963C1
8	J5F(-)	18	GN	3518963C1
9	PLUG	-	-	3527276C1
10	J26B	18	TN	3518963C1
11	J26A	18	TN	3518963C1
12	J26-G	18	WH	3518963C1

FAN AIR SOLENOID
(4111)
(LOCATED AT OUTSIDE LEFT SIDE DASH PANEL)



CONNECTOR 3522068C1
CONNECTOR 1661874C1
BODY LOCK

CAV	CIR	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	-	-	-	-	-
B	K23-G	18	WH	1661875C1	1661872C1

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
CNA1	04OCT07	REVISED AND REDRAWN.	B	50378H	U00K640	CIRCUIT DIAGRAM, BE, CE BUS
					RELEASE NO. 59974E	DATE 03OCT06 PART NO. AE08056604 SHEET 028

Figure 125 Connector Composites (4046), (4087), (4111)

11.29. CONNECTOR COMPOSITES (4200), (4201), (4202), (4203), (4301), P. 29

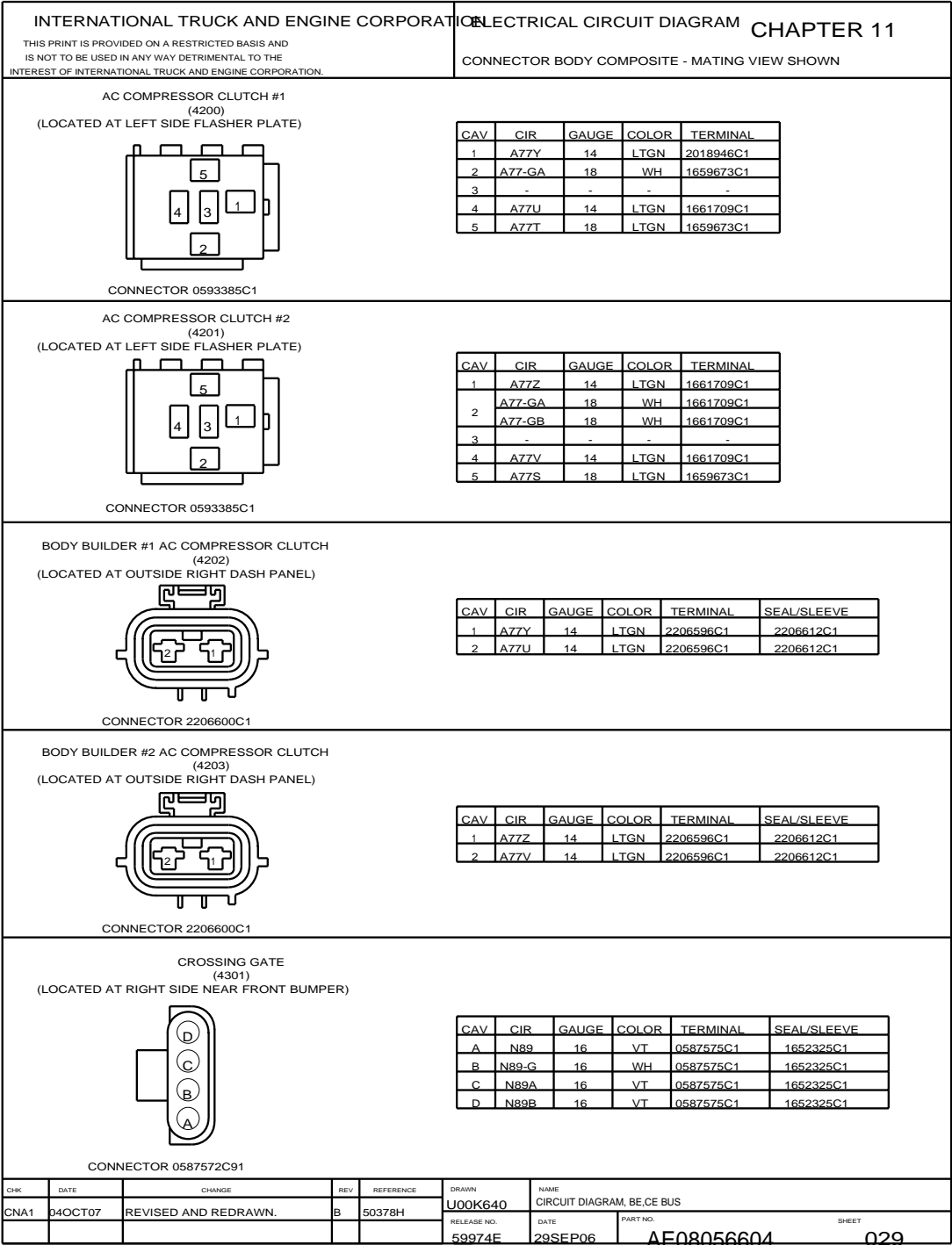


Figure 126 Connector Composites (4200), (4201), (4202), (4203), (4301)

11.30. CONNECTOR COMPOSITES (4302), (4303), (4500), (4905), (6011), P. 30

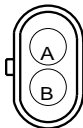
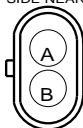

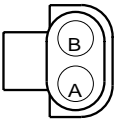
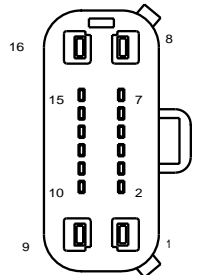
INTERNATIONAL TRUCK AND ENGINE CORPORATION				ELECTRICAL CIRCUIT DIAGRAM		CHAPTER 11																																																																																																							
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<div>LEFT FOG LIGHT (4302) (LOCATED AT LEFT SIDE NEAR FRONT BUMPER)</div> <div></div> <div>CONNECTOR 0587567C91</div>				<table><tr><th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>TERMINAL</th><th>SEAL/SLEEVE</th></tr><tr><td>A</td><td>N64A</td><td>14</td><td>YL</td><td>0587577C1</td><td>0589391C1</td></tr><tr><td>B</td><td>N64A-G</td><td>14</td><td>WH</td><td>0587577C1</td><td>0589391C1</td></tr></table>				CAV	CIR	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE	A	N64A	14	YL	0587577C1	0589391C1	B	N64A-G	14	WH	0587577C1	0589391C1																																																																																				
CAV	CIR	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE																																																																																																								
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B	N64A-G	14	WH	0587577C1	0589391C1																																																																																																								
<div>RIGHT FOG LIGHT (4303) (LOCATED AT RIGHT SIDE NEAR FRONT BUMPER)</div> <div></div> <div>CONNECTOR 0587567C91</div>				<table><tr><th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>TERMINAL</th><th>SEAL/SLEEVE</th></tr><tr><td>A</td><td>N64B</td><td>14</td><td>YL</td><td>0587577C1</td><td>0589391C1</td></tr><tr><td>B</td><td>N64B-G</td><td>14</td><td>WH</td><td>0587577C1</td><td>0589391C1</td></tr></table>				CAV	CIR	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE	A	N64B	14	YL	0587577C1	0589391C1	B	N64B-G	14	WH	0587577C1	0589391C1																																																																																				
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B	N64B-G	14	WH	0587577C1	0589391C1																																																																																																								
<div>WASHER PUMP (4500) (LOCATED AT ENGINE COMPARTMENT)</div> <div></div> <div>CONNECTOR 3522068C1</div> <div>CONNECTOR 1661874C1</div> <div>BODY LOCK</div>				<table><tr><th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>TERMINAL</th><th>SEAL/SLEEVE</th></tr><tr><td>A</td><td>N87-G</td><td>18</td><td>GY</td><td>1661875C1</td><td>3568570C1</td></tr><tr><td>B</td><td>N87A</td><td>18</td><td>GY</td><td>1661875C1</td><td>3568570C1</td></tr></table>				CAV	CIR	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE	A	N87-G	18	GY	1661875C1	3568570C1	B	N87A	18	GY	1661875C1	3568570C1																																																																																				
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B	N87A	18	GY	1661875C1	3568570C1																																																																																																								
<div>AIR PARK BRAKE SOLENOID (4905) (LOCATED AT OUTSIDE LEFT SIDE DASH PANEL)</div> <div></div> <div>CONNECTOR 0587568C91</div>				<table><tr><th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>TERMINAL</th><th>SEAL/SLEEVE</th></tr><tr><td>A</td><td>J44</td><td>18</td><td>GY</td><td>0587576C1</td><td>1652325C1</td></tr><tr><td>B</td><td>J44C</td><td>18</td><td>GY</td><td>0587576C1</td><td>1652325C1</td></tr></table>				CAV	CIR	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE	A	J44	18	GY	0587576C1	1652325C1	B	J44C	18	GY	0587576C1	1652325C1																																																																																				
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A	J44	18	GY	0587576C1	1652325C1																																																																																																								
B	J44C	18	GY	0587576C1	1652325C1																																																																																																								
<div>MELROSE INTERCONNECT (6011) (LOCATED AT LEFT SIDE ENGINE COMPARTMENT)</div> <div></div> <div>CONNECTOR 3613899C1</div>				<table><tr><th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>TERMINAL</th><th>SEAL/SLEEVE</th></tr><tr><td>1</td><td>K97AZ</td><td>14</td><td>PL</td><td>3592386C1</td><td>3578677C1</td></tr><tr><td>2</td><td>K97UC</td><td>16</td><td>PL</td><td>3592016C1</td><td>-</td></tr><tr><td>3</td><td>K97AY</td><td>16</td><td>PL</td><td>3592016C1</td><td>-</td></tr><tr><td>4</td><td>PLUG</td><td>-</td><td>-</td><td>1234567C1</td><td>-</td></tr><tr><td>5</td><td>PLUG</td><td>-</td><td>-</td><td>1234567C1</td><td>-</td></tr><tr><td>6</td><td>PLUG</td><td>-</td><td>-</td><td>1234567C1</td><td>-</td></tr><tr><td>7</td><td>PLUG</td><td>-</td><td>-</td><td>1234567C1</td><td>-</td></tr><tr><td>8</td><td>K19-GA</td><td>14</td><td>WH</td><td>3592386C1</td><td>-</td></tr><tr><td>9</td><td>K19BA</td><td>14</td><td>GY</td><td>3592386C1</td><td>-</td></tr><tr><td>10</td><td>PLUG</td><td>-</td><td>-</td><td>1234567C1</td><td>-</td></tr><tr><td>11</td><td>PLUG</td><td>-</td><td>-</td><td>1234567C1</td><td>-</td></tr><tr><td>12</td><td>PLUG</td><td>-</td><td>-</td><td>1234567C1</td><td>-</td></tr><tr><td>13</td><td>PLUG</td><td>-</td><td>-</td><td>1234567C1</td><td>-</td></tr><tr><td>14</td><td>PLUG</td><td>-</td><td>-</td><td>1234567C1</td><td>-</td></tr><tr><td>15</td><td>K97-GA</td><td>16</td><td>WH</td><td>3592016C1</td><td>-</td></tr><tr><td>16</td><td>K97-GB</td><td>14</td><td>WH</td><td>3592386C1</td><td>3578677C1</td></tr></table>				CAV	CIR	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE	1	K97AZ	14	PL	3592386C1	3578677C1	2	K97UC	16	PL	3592016C1	-	3	K97AY	16	PL	3592016C1	-	4	PLUG	-	-	1234567C1	-	5	PLUG	-	-	1234567C1	-	6	PLUG	-	-	1234567C1	-	7	PLUG	-	-	1234567C1	-	8	K19-GA	14	WH	3592386C1	-	9	K19BA	14	GY	3592386C1	-	10	PLUG	-	-	1234567C1	-	11	PLUG	-	-	1234567C1	-	12	PLUG	-	-	1234567C1	-	13	PLUG	-	-	1234567C1	-	14	PLUG	-	-	1234567C1	-	15	K97-GA	16	WH	3592016C1	-	16	K97-GB	14	WH	3592386C1	3578677C1
CAV	CIR	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE																																																																																																								
1	K97AZ	14	PL	3592386C1	3578677C1																																																																																																								
2	K97UC	16	PL	3592016C1	-																																																																																																								
3	K97AY	16	PL	3592016C1	-																																																																																																								
4	PLUG	-	-	1234567C1	-																																																																																																								
5	PLUG	-	-	1234567C1	-																																																																																																								
6	PLUG	-	-	1234567C1	-																																																																																																								
7	PLUG	-	-	1234567C1	-																																																																																																								
8	K19-GA	14	WH	3592386C1	-																																																																																																								
9	K19BA	14	GY	3592386C1	-																																																																																																								
10	PLUG	-	-	1234567C1	-																																																																																																								
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12	PLUG	-	-	1234567C1	-																																																																																																								
13	PLUG	-	-	1234567C1	-																																																																																																								
14	PLUG	-	-	1234567C1	-																																																																																																								
15	K97-GA	16	WH	3592016C1	-																																																																																																								
16	K97-GB	14	WH	3592386C1	3578677C1																																																																																																								
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Figure 127 Connector Composites (4302), (4303), (4500), (4905), (6011)

11.31. CONNECTOR COMPOSITES (6020), P. 31

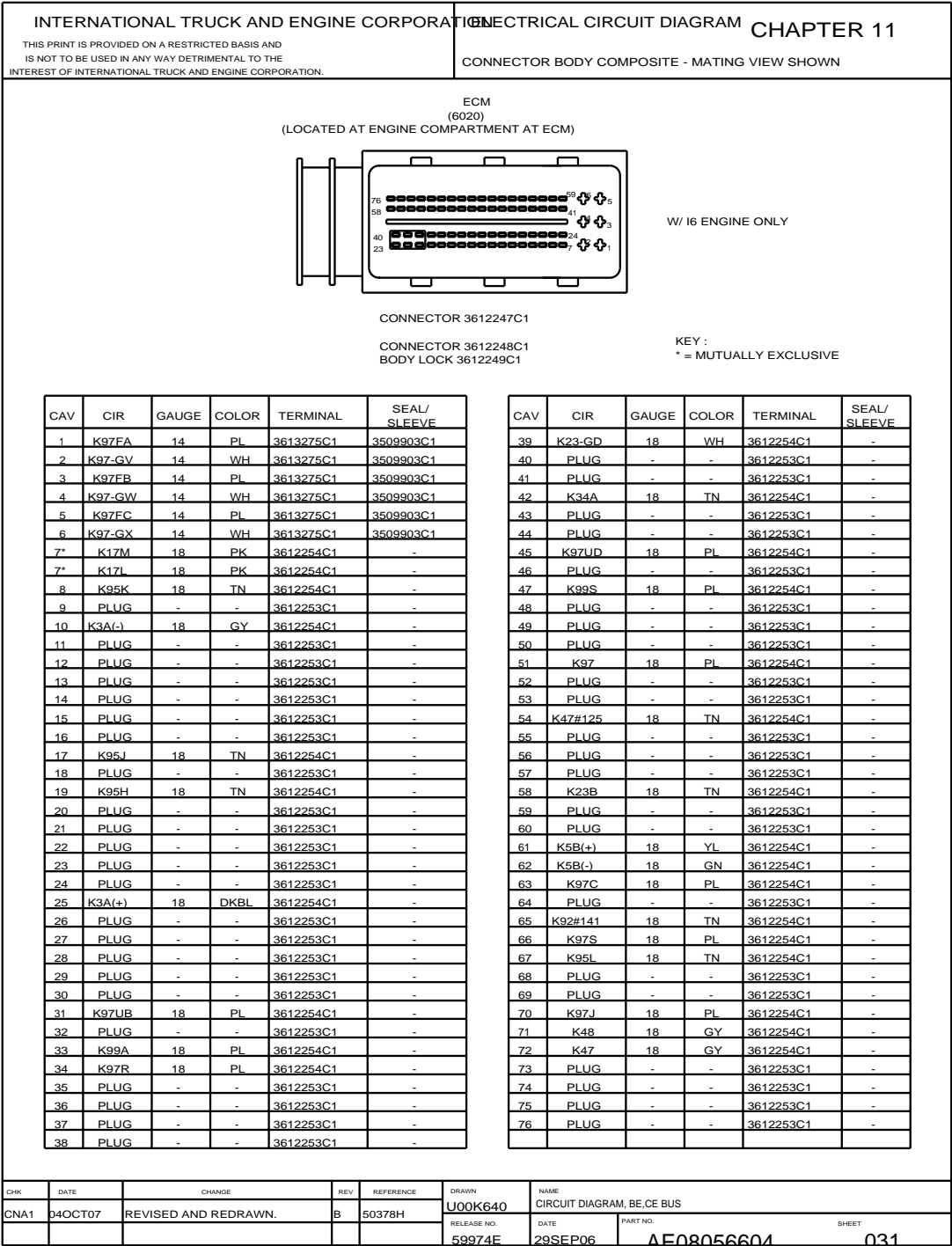


Figure 128 Connector Composites (6020)

11.32. CONNECTOR COMPOSITES (6020), P. 32

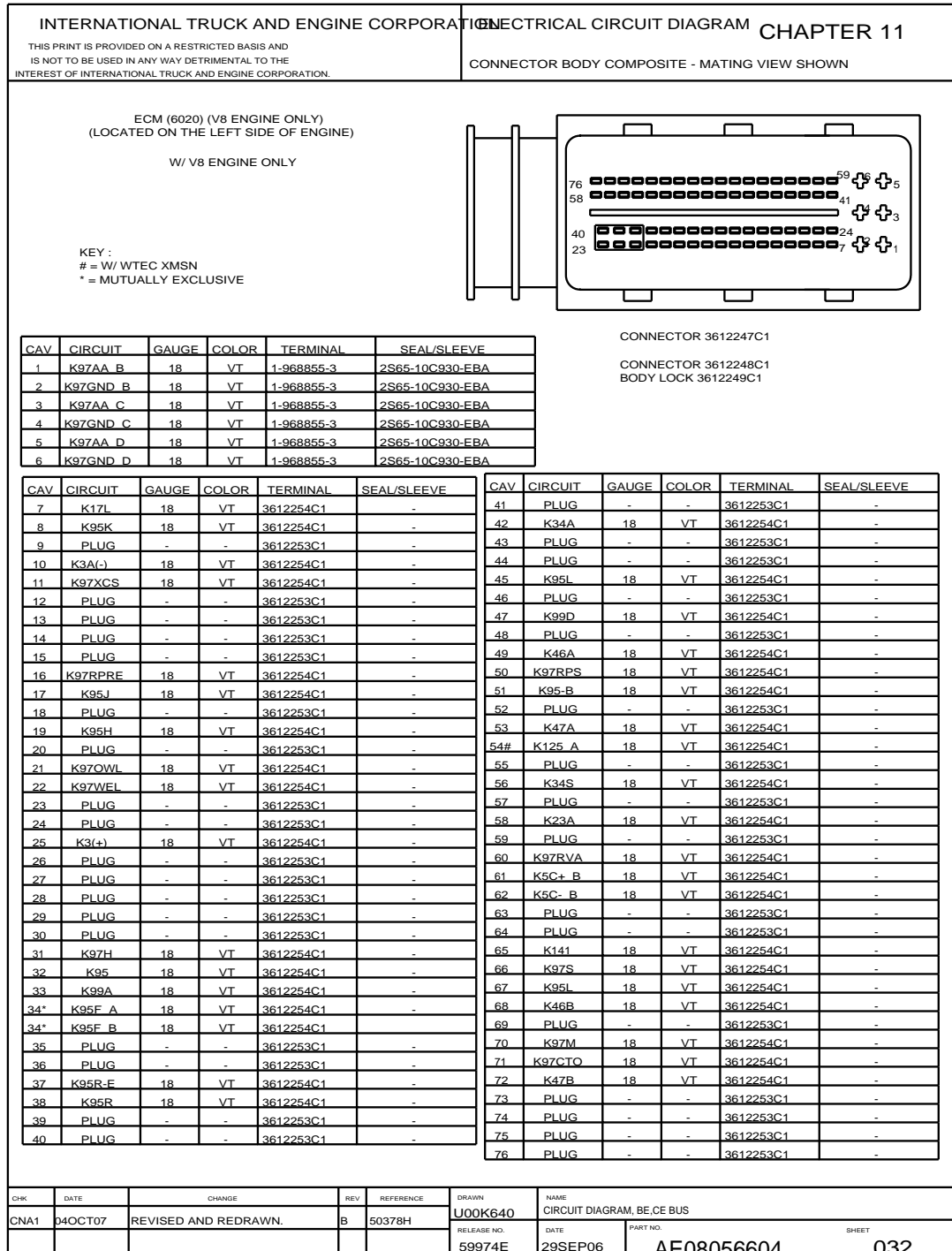


Figure 129 Connector Composites (6020)

11.33. CONNECTOR COMPOSITES (6022), (6023), (6200), (6259), (6260), P. 33

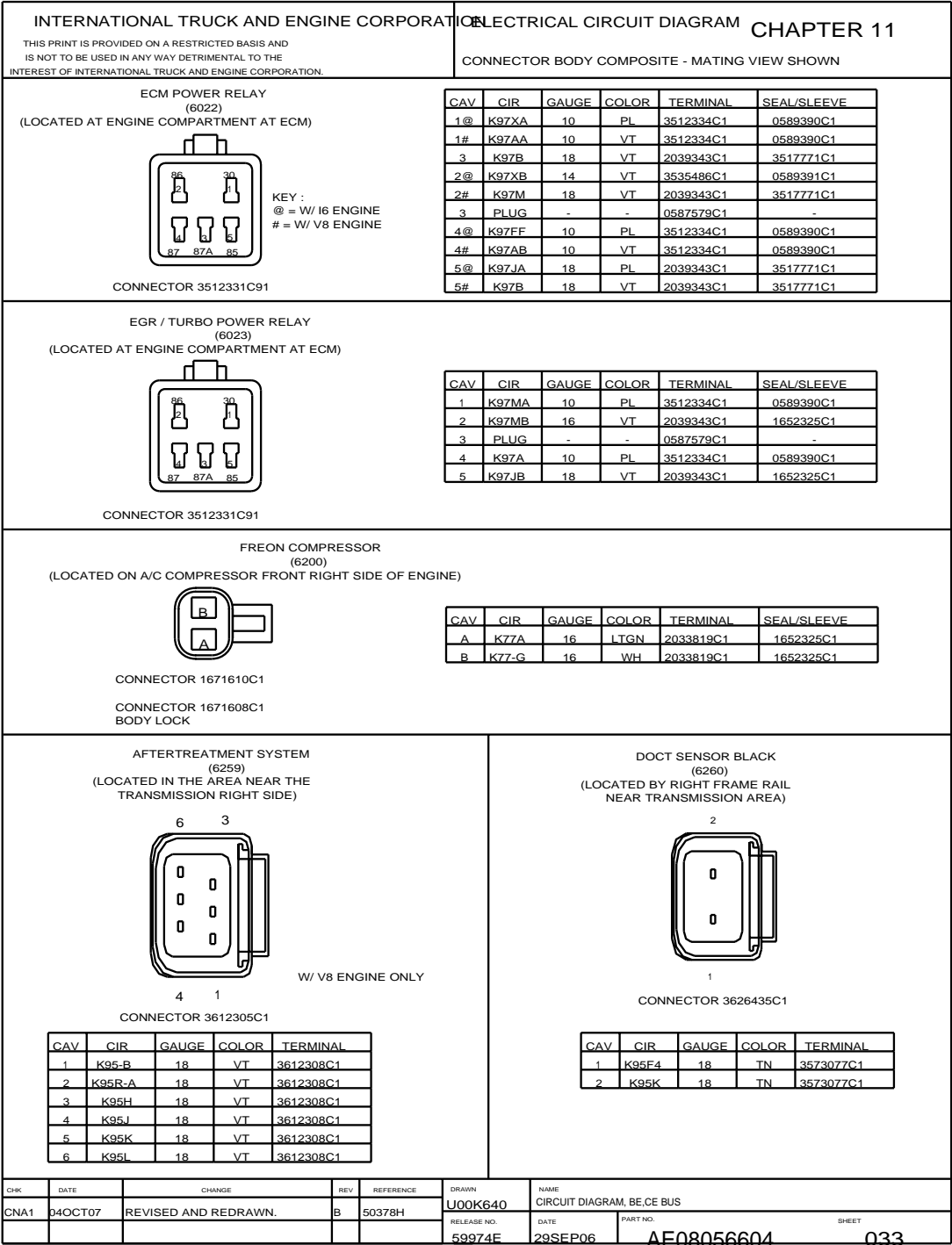


Figure 130 Connector Composites (6022), (6023), (6200), (6259), (6260)

11.34. CONNECTOR COMPOSITES (6261), (6262), (6263), (6316), (6323), P. 34

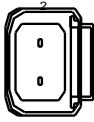
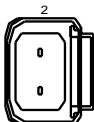
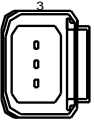
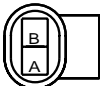
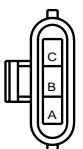
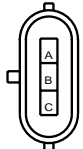
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DPFT1 SENSOR LIGHT GREY (6261) (LOCATED BY RIGHT FRAME RAIL NEAR TRANSMISSION AREA)																																																																			
		<table border="1" style="width: 100%; border-collapse: collapse; font-size: 0.8em;"> <thead> <tr> <th>CAV</th> <th>CIR</th> <th>GAUGE</th> <th>COLOR</th> <th>TERMINAL</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>K95F3</td> <td>18</td> <td>TN</td> <td>3573077C1</td> </tr> <tr> <td>2</td> <td>K95J</td> <td>18</td> <td>TN</td> <td>3573077C1</td> </tr> </tbody> </table>						CAV	CIR	GAUGE	COLOR	TERMINAL	1	K95F3	18	TN	3573077C1	2	K95J	18	TN	3573077C1																																													
CAV	CIR	GAUGE	COLOR	TERMINAL																																																															
1	K95F3	18	TN	3573077C1																																																															
2	K95J	18	TN	3573077C1																																																															
CONNECTOR 3626436C1																																																																			
DPFT2 SENSOR DK GREY (6262) (LOCATED BY RIGHT FRAME RAIL NEAR TRANSMISSION AREA)																																																																			
		<table border="1" style="width: 100%; border-collapse: collapse; font-size: 0.8em;"> <thead> <tr> <th>CAV</th> <th>CIR</th> <th>GAUGE</th> <th>COLOR</th> <th>TERMINAL</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>K95F2</td> <td>18</td> <td>TN</td> <td>3573077C1</td> </tr> <tr> <td>2</td> <td>K95L</td> <td>18</td> <td>TN</td> <td>3573077C1</td> </tr> </tbody> </table>						CAV	CIR	GAUGE	COLOR	TERMINAL	1	K95F2	18	TN	3573077C1	2	K95L	18	TN	3573077C1																																													
CAV	CIR	GAUGE	COLOR	TERMINAL																																																															
1	K95F2	18	TN	3573077C1																																																															
2	K95L	18	TN	3573077C1																																																															
CONNECTOR 3626437C1																																																																			
EXHAUST DELTA P DPFP SENSOR (6263) (LOCATED BY RIGHT FRAME RAIL NEAR TRANSMISSION AREA)																																																																			
		<table border="1" style="width: 100%; border-collapse: collapse; font-size: 0.8em;"> <thead> <tr> <th>CAV</th> <th>CIR</th> <th>GAUGE</th> <th>COLOR</th> <th>TERMINAL</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>K95F1</td> <td>18</td> <td>TN</td> <td>3573077C1</td> </tr> <tr> <td>2</td> <td>K95H</td> <td>18</td> <td>TN</td> <td>3573077C1</td> </tr> <tr> <td>3</td> <td>K97</td> <td>18</td> <td>PL</td> <td>3573077C1</td> </tr> </tbody> </table>						CAV	CIR	GAUGE	COLOR	TERMINAL	1	K95F1	18	TN	3573077C1	2	K95H	18	TN	3573077C1	3	K97	18	PL	3573077C1																																								
CAV	CIR	GAUGE	COLOR	TERMINAL																																																															
1	K95F1	18	TN	3573077C1																																																															
2	K95H	18	TN	3573077C1																																																															
3	K97	18	PL	3573077C1																																																															
CONNECTOR 3626438C1																																																																			
START MOTOR OVERCRANK (6316) (LOCATED AT STARTER)																																																																			
		<table border="1" style="width: 100%; border-collapse: collapse; font-size: 0.8em;"> <thead> <tr> <th>CAV</th> <th>CIR</th> <th>GAUGE</th> <th>COLOR</th> <th>TERMINAL</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>K17L</td> <td>18</td> <td>PK</td> <td>2036586C1</td> </tr> <tr> <td>B</td> <td>K17K</td> <td>18</td> <td>PK</td> <td>2036586C1</td> </tr> </tbody> </table>						CAV	CIR	GAUGE	COLOR	TERMINAL	A	K17L	18	PK	2036586C1	B	K17K	18	PK	2036586C1																																													
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B	K17K	18	PK	2036586C1																																																															
CONNECTOR 2036583C1																																																																			
CEC CLEAN POWER & GROUND (6323) (LOCATED AT STARTER)																																																																			
		CONNECTOR 1667733C1 CONNECTOR 1667734C1 BODY LOCK		KEY : @ = W/ I6 ENGINE # = W/ V8 ENGINE																																																															
CONNECTOR 1667732C1		CONNECTOR 1667734C1 BODY LOCK																																																																	
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B@	K97-G	10	WH	1667737C1	1667735C1																																																														
B#	K97G	10	VT	1667737C1	1667735C1																																																														
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B	N97-GC	10	WH	2025425C1	1667735C1																																																														
C	N97B	10	RD	2025425C1	1667735C1																																																														
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						SHEET	034																																																												

Figure 131 Connector Composites (6261), (6262), (6263), (6316), (6323)

11.35. CONNECTOR COMPOSITES (6334), (6400), (6401), (6402), (6406), (6703), P. 35

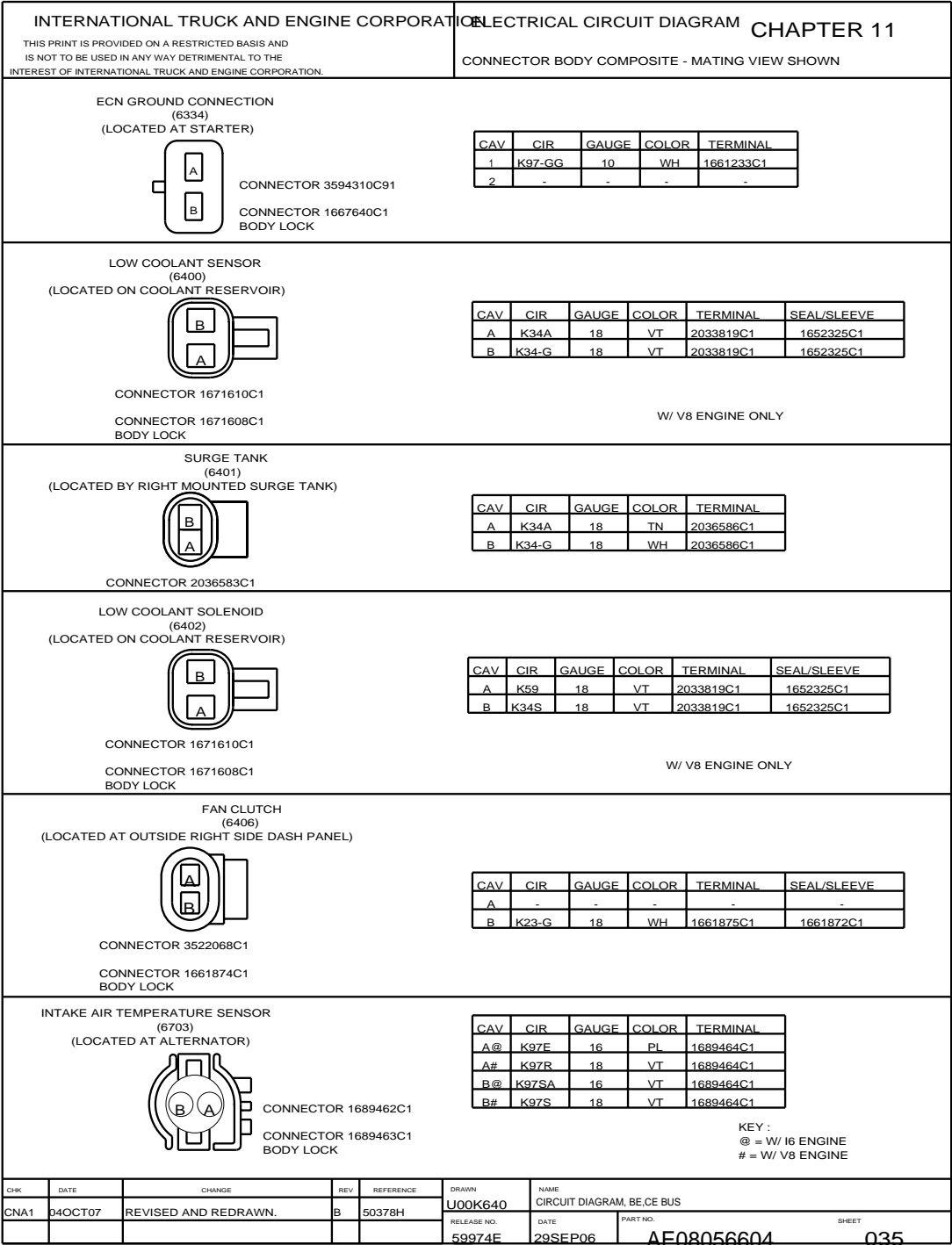


Figure 132 Connector Composites (6334), (6400), (6401), (6402), (6406), (6703)

11.36. CONNECTOR COMPOSITES (6704), (6715), (6740), (7104), P. 36

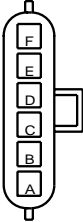
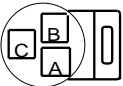
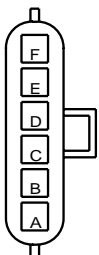
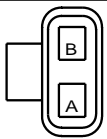
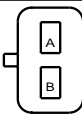
INTERNATIONAL TRUCK AND ENGINE CORPORATION				ELECTRICAL CIRCUIT DIAGRAM CHAPTER 11																																																							
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<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p style="text-align: center;">GROUND ADAPTER (6704) (LOCATED NEAR THE ENGINE ECM CONNECTION)</p>  <p>CONNECTOR 3551896C1 CONNECTOR 3551897C1 BODY LOCK</p> </div> <div style="width: 50%;"> <table border="1" style="width: 100%; border-collapse: collapse; font-size: x-small;"> <thead> <tr> <th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>TERMINAL</th><th>SEAL/SLEEVE</th></tr> </thead> <tbody> <tr><td>A</td><td>PLUG</td><td>-</td><td>-</td><td>0587579C1</td><td>-</td></tr> <tr><td>B</td><td>K77-G</td><td>16</td><td>WH</td><td>2033816C1</td><td>1652325C1</td></tr> <tr><td>C</td><td>K10-GB</td><td>14</td><td>WH</td><td>2033816C1</td><td>0589391C1</td></tr> <tr><td>D</td><td>PLUG</td><td>-</td><td>-</td><td>0587579C1</td><td>-</td></tr> <tr><td>E</td><td>K34-G</td><td>18</td><td>WH</td><td>2033819C1</td><td>1652325C1</td></tr> <tr><td>F*</td><td>K19-GA</td><td>18</td><td>WH</td><td>2033819C1</td><td>1652325C1</td></tr> <tr><td>F*</td><td>K23-G</td><td>18</td><td>WH</td><td>2033819C1</td><td>1652325C1</td></tr> </tbody> </table> <p style="text-align: right; font-size: x-small;">KEY : * = MUTUALLY EXCLUSIVE</p> </div> </div>						CAV	CIR	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE	A	PLUG	-	-	0587579C1	-	B	K77-G	16	WH	2033816C1	1652325C1	C	K10-GB	14	WH	2033816C1	0589391C1	D	PLUG	-	-	0587579C1	-	E	K34-G	18	WH	2033819C1	1652325C1	F*	K19-GA	18	WH	2033819C1	1652325C1	F*	K23-G	18	WH	2033819C1	1652325C1						
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<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p style="text-align: center;">AIR COMPRESSOR PRESSURE (6715) (LOCATED AT ENGINE COMPARTMENT AIR COMPRESSOR)</p>  <p>CONNECTOR 1678137C1</p> </div> <div style="width: 50%;"> <table border="1" style="width: 100%; border-collapse: collapse; font-size: x-small;"> <thead> <tr> <th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>TERMINAL</th></tr> </thead> <tbody> <tr><td>A</td><td>N9H</td><td>18</td><td>GY</td><td>1651943C1</td></tr> <tr><td>B</td><td>N6H</td><td>16</td><td>GY</td><td>1651943C1</td></tr> <tr><td>C</td><td>N40</td><td>18</td><td>GY</td><td>1651943C1</td></tr> </tbody> </table> </div> </div>						CAV	CIR	GAUGE	COLOR	TERMINAL	A	N9H	18	GY	1651943C1	B	N6H	16	GY	1651943C1	C	N40	18	GY	1651943C1																																		
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C	N40	18	GY	1651943C1																																																							
<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p style="text-align: center;">GROUND ADAPTER (6740) (LOCATED NEAR LEFT SIDE DASH PANEL)</p>  <p>CONNECTOR 3551896C1 CONNECTOR 3551897C1 BODY LOCK</p> </div> <div style="width: 50%;"> <table border="1" style="width: 100%; border-collapse: collapse; font-size: x-small;"> <thead> <tr> <th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>TERMINAL</th><th>SEAL/SLEEVE</th></tr> </thead> <tbody> <tr><td>A</td><td>N11-GA</td><td>12</td><td>WH</td><td>2033816C1</td><td>0589390C1</td></tr> <tr><td>B</td><td>N89-G</td><td>16</td><td>WH</td><td>2033819C1</td><td>1652325C1</td></tr> <tr><td>C</td><td>N31-G</td><td>18</td><td>WH</td><td>2033819C1</td><td>3517771C1</td></tr> <tr><td>D@</td><td>N75-G</td><td>14</td><td>WH</td><td>2033816C1</td><td>0589391C1</td></tr> <tr><td>D#</td><td>N75-GC</td><td>14</td><td>WH</td><td>2033816C1</td><td>0589391C1</td></tr> <tr><td>E</td><td>N39C-G</td><td>14</td><td>WH</td><td>2033816C1</td><td>0589391C1</td></tr> <tr><td>F*</td><td>N39B-G</td><td>14</td><td>WH</td><td>2033816C1</td><td>0589391C1</td></tr> <tr><td>F*</td><td>N39D-G</td><td>14</td><td>WH</td><td>2033816C1</td><td>0589391C1</td></tr> </tbody> </table> <p style="text-align: right; font-size: x-small;">KEY : * = MUTUALLY EXCLUSIVE @ = RSM FUEL TANK W/ ESPAR COOLENT HEATER # = AF FUEL TANK W/ ESPAR COOLENT HEATER</p> </div> </div>						CAV	CIR	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE	A	N11-GA	12	WH	2033816C1	0589390C1	B	N89-G	16	WH	2033819C1	1652325C1	C	N31-G	18	WH	2033819C1	3517771C1	D@	N75-G	14	WH	2033816C1	0589391C1	D#	N75-GC	14	WH	2033816C1	0589391C1	E	N39C-G	14	WH	2033816C1	0589391C1	F*	N39B-G	14	WH	2033816C1	0589391C1	F*	N39D-G	14	WH	2033816C1	0589391C1
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<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p style="text-align: center;">CLEAN BATTERY FEED (7104) (LOCATED AT STARTER)</p>  <p>CONNECTOR 3512967C1</p> <table border="1" style="width: 100%; border-collapse: collapse; font-size: x-small;"> <thead> <tr> <th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>TERMINAL</th></tr> </thead> <tbody> <tr><td>A</td><td>K92A110</td><td>10</td><td>PK</td><td>1661708C1</td></tr> <tr><td>B</td><td>K92A109</td><td>10</td><td>GY</td><td>1661708C1</td></tr> </tbody> </table> </div> <div style="width: 45%;">  <p>CONNECTOR 3594310C91 CONNECTOR 1667640C1 BODY LOCK</p> <table border="1" style="width: 100%; border-collapse: collapse; font-size: x-small;"> <thead> <tr> <th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>TERMINAL</th></tr> </thead> <tbody> <tr><td>A</td><td>N92A</td><td>10</td><td>RD</td><td>1661233C1</td></tr> <tr><td>B</td><td>N92-G</td><td>10</td><td>WH</td><td>1661233C1</td></tr> </tbody> </table> </div> </div>						CAV	CIR	GAUGE	COLOR	TERMINAL	A	K92A110	10	PK	1661708C1	B	K92A109	10	GY	1661708C1	CAV	CIR	GAUGE	COLOR	TERMINAL	A	N92A	10	RD	1661233C1	B	N92-G	10	WH	1661233C1																								
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						036																																																					

Figure 133 Connector Composites (6704), (6715), (6740), (7104)

11.37. CONNECTOR COMPOSITES (7150), P. 37

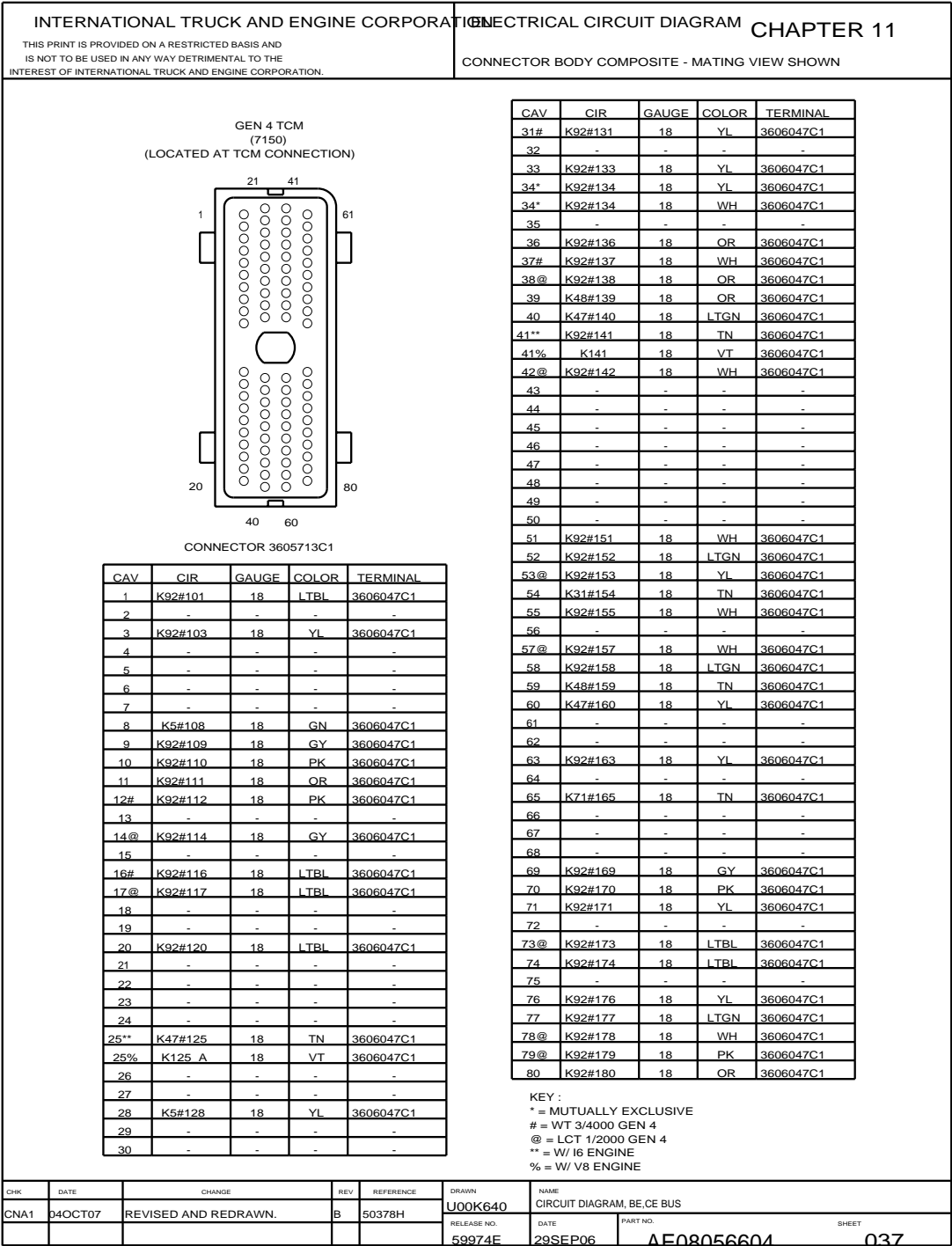


Figure 134 Connector Composites (7150)

11.38. CONNECTOR COMPOSITES (7250), (7350), (7600), P. 38

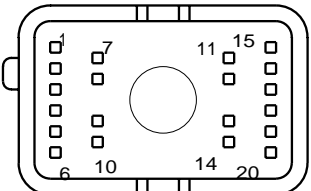
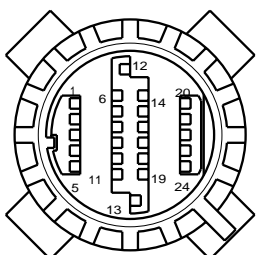

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<p>WTEC MD XMSN BULKHEAD (7250) (LOCATED AT TCM CONNECTION)</p>  <p>CONNECTOR 3605715C1 CONNECTOR 3610532C1 BODY LOCK</p>		<table border="1" style="width: 100%; border-collapse: collapse;"><thead><tr><th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>TERMINAL</th></tr></thead><tbody><tr><td>1</td><td>K92#111</td><td>18</td><td>OR</td><td>3606047C1</td></tr><tr><td>2</td><td>K92#155</td><td>18</td><td>WH</td><td>3606047C1</td></tr><tr><td>3</td><td>K92#177</td><td>18</td><td>LTGN</td><td>3606047C1</td></tr><tr><td>4</td><td>K92#136</td><td>18</td><td>OR</td><td>3606047C1</td></tr><tr><td>5</td><td>K92#152</td><td>18</td><td>LTGN</td><td>3606047C1</td></tr><tr><td>6</td><td>K92#171</td><td>18</td><td>YL</td><td>3606047C1</td></tr><tr><td>7</td><td>-</td><td>-</td><td>-</td><td>-</td></tr><tr><td>8</td><td>K92#174</td><td>18</td><td>LTBL</td><td>3606047C1</td></tr><tr><td>9</td><td>K92#133</td><td>18</td><td>YL</td><td>3606047C1</td></tr><tr><td>10</td><td>K92#151</td><td>18</td><td>WH</td><td>3606047C1</td></tr><tr><td>11</td><td>K92#131</td><td>18</td><td>YL</td><td>3606047C1</td></tr><tr><td>12</td><td>K92#137</td><td>18</td><td>WH</td><td>3606047C1</td></tr><tr><td>13</td><td>K92#180</td><td>18</td><td>OR</td><td>3606047C1</td></tr><tr><td>14</td><td>K92#120</td><td>18</td><td>LTBL</td><td>3606047C1</td></tr><tr><td>15</td><td>K92#116</td><td>18</td><td>LTBL</td><td>3606047C1</td></tr><tr><td>16</td><td>K92#112</td><td>18</td><td>PK</td><td>3606047C1</td></tr><tr><td>17</td><td>-</td><td>-</td><td>-</td><td>-</td></tr><tr><td>18</td><td>K31#154</td><td>18</td><td>TN</td><td>3606047C1</td></tr><tr><td>19</td><td>K92#158</td><td>18</td><td>LTGN</td><td>3606047C1</td></tr><tr><td>20</td><td>K92#176</td><td>18</td><td>YL</td><td>3606047C1</td></tr></tbody></table>				CAV	CIR	GAUGE	COLOR	TERMINAL	1	K92#111	18	OR	3606047C1	2	K92#155	18	WH	3606047C1	3	K92#177	18	LTGN	3606047C1	4	K92#136	18	OR	3606047C1	5	K92#152	18	LTGN	3606047C1	6	K92#171	18	YL	3606047C1	7	-	-	-	-	8	K92#174	18	LTBL	3606047C1	9	K92#133	18	YL	3606047C1	10	K92#151	18	WH	3606047C1	11	K92#131	18	YL	3606047C1	12	K92#137	18	WH	3606047C1	13	K92#180	18	OR	3606047C1	14	K92#120	18	LTBL	3606047C1	15	K92#116	18	LTBL	3606047C1	16	K92#112	18	PK	3606047C1	17	-	-	-	-	18	K31#154	18	TN	3606047C1	19	K92#158	18	LTGN	3606047C1	20	K92#176	18	YL	3606047C1																				
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<p>LCT OUTPUT SPEED SENSOR (7600) (LOCATED AT ENGINE COMPARTMENT TRANSMISSION)</p>  <p>CONNECTOR 3610533C1</p>		<table border="1" style="width: 100%; border-collapse: collapse;"><thead><tr><th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>TERMINAL</th><th>SEAL/SLEEVE</th></tr></thead><tbody><tr><td>A</td><td>K47#160</td><td>18</td><td>YL</td><td>3554322C1</td><td>3554318C1</td></tr><tr><td>B</td><td>K47#140</td><td>18</td><td>LTGN</td><td>3554322C1</td><td>3554318C1</td></tr></tbody></table>				CAV	CIR	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE	A	K47#160	18	YL	3554322C1	3554318C1	B	K47#140	18	LTGN	3554322C1	3554318C1																																																																																																											
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Figure 135 Connector Composites (7250), (7350), (7600)

11.39. CONNECTOR COMPOSITES (7603), (7604), (7605), (7607), (7701), P. 39

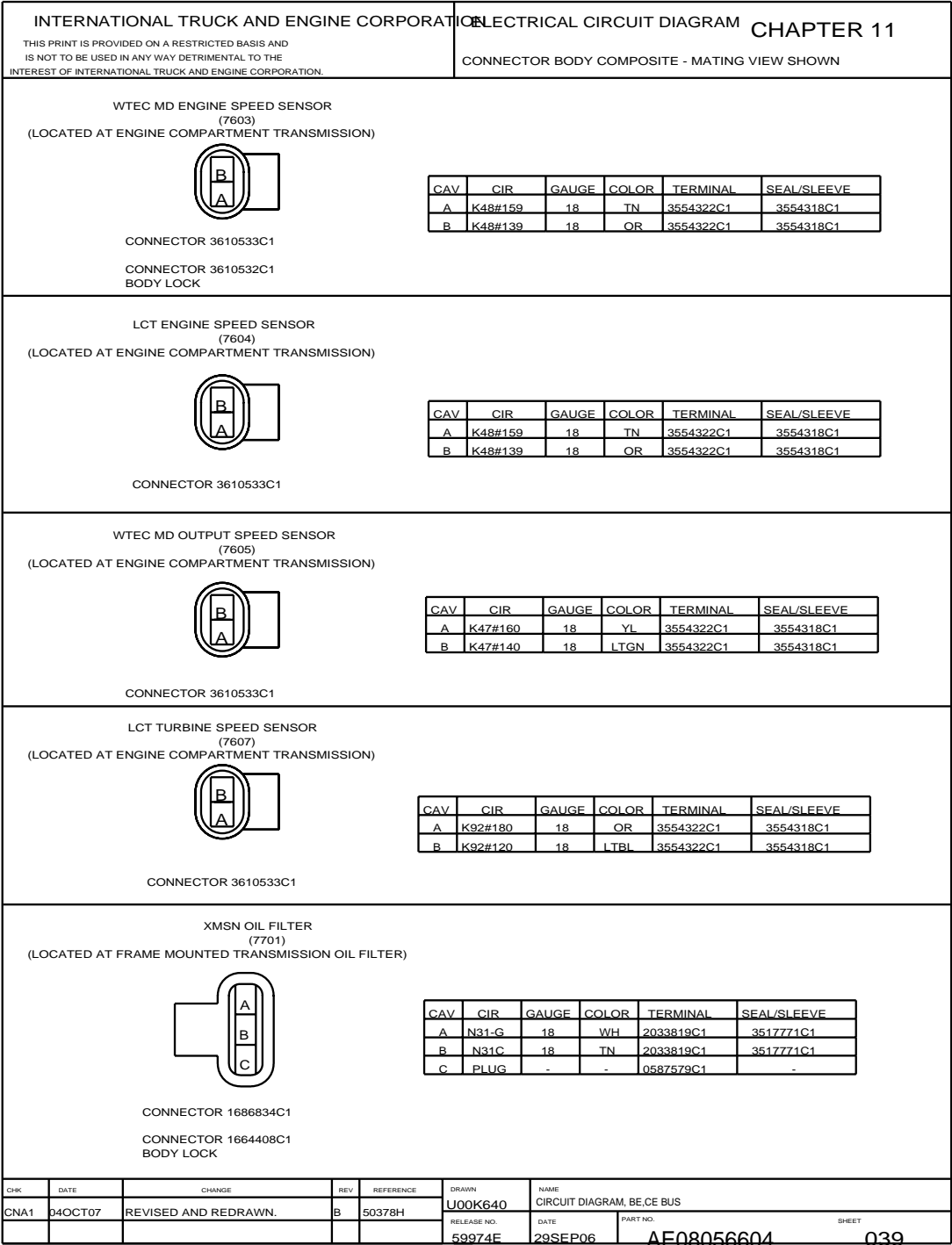



Figure 136 Connector Composites (7603), (7604), (7605), (7607), (7701)

11.40. CONNECTOR COMPOSITES (7801), (8000), (8001), P. 40

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J1939 TERMINATING RESISTOR
(7801)
(LOCATED AT ENGINE COMPARTMENT TRANSMISSION)

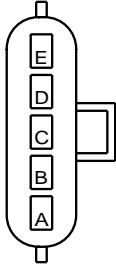


CONNECTOR 1667741C1

CONNECTOR 1667771C1
BODY LOCK

CAV	CIR	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	K5D(+)	18	YL	1661875C1	3568570C1
B	PLUG	-	-	2025431C1	-
C	K5D(-)	18	GN	1661875C1	3568570C1

RIGHT HEADLIGHT / TURN SIGNAL
(8000)
(LOCATED AT HOOD NEAR RIGHT HEADLIGHT)



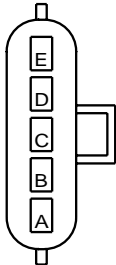
CONNECTOR 1661375C2

CONNECTOR 1661376C1
BODY LOCK

CAV	CIR	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	U52A	14	YL	2033816C1	0589391C1
B	U11-GA	14	WH	2033816C1	0589391C1
C	U53A	14	YL	2033816C1	0589391C1
D*	U57A	14	OR	2033816C1	0589391C1
D*	U57B	16	OR	2033819C1	1652325C1
E	U58D	16	BN	2033819C1	1652325C1

KEY :
* = MUTUALLY EXCLUSIVE

LEFT HEADLIGHT / TURN SIGNAL
(8001)
(LOCATED AT HOOD NEAR LEFT HEADLIGHT)



CONNECTOR 1661375C2

CONNECTOR 1661376C1
BODY LOCK

CAV	CIR	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	U52B	14	YL	2033816C1	0589391C1
B	U11-GD	14	WH	2033816C1	0589391C1
C	U53B	14	YL	2033816C1	0589391C1
D*	U56A	14	OR	2033816C1	0589391C1
D*	U56B	16	OR	2033819C1	1652325C1
E	U58C	16	BN	2033819C1	1652325C1

KEY :
* = MUTUALLY EXCLUSIVE

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
CNA1	04OCT07	REVISED AND REDRAWN.	B	50378H	U00K640	CIRCUIT DIAGRAM, BE, CE BUS
					RELEASE NO.	DATE
					59974E	03OCT06
						PART NO.
						AE08056604
						SHEET
						040

Figure 137 Connector Composites (7801), (8000), (8001)

11.41. CONNECTOR COMPOSITES (8003), (8004), (8100L), (8100R), P. 41

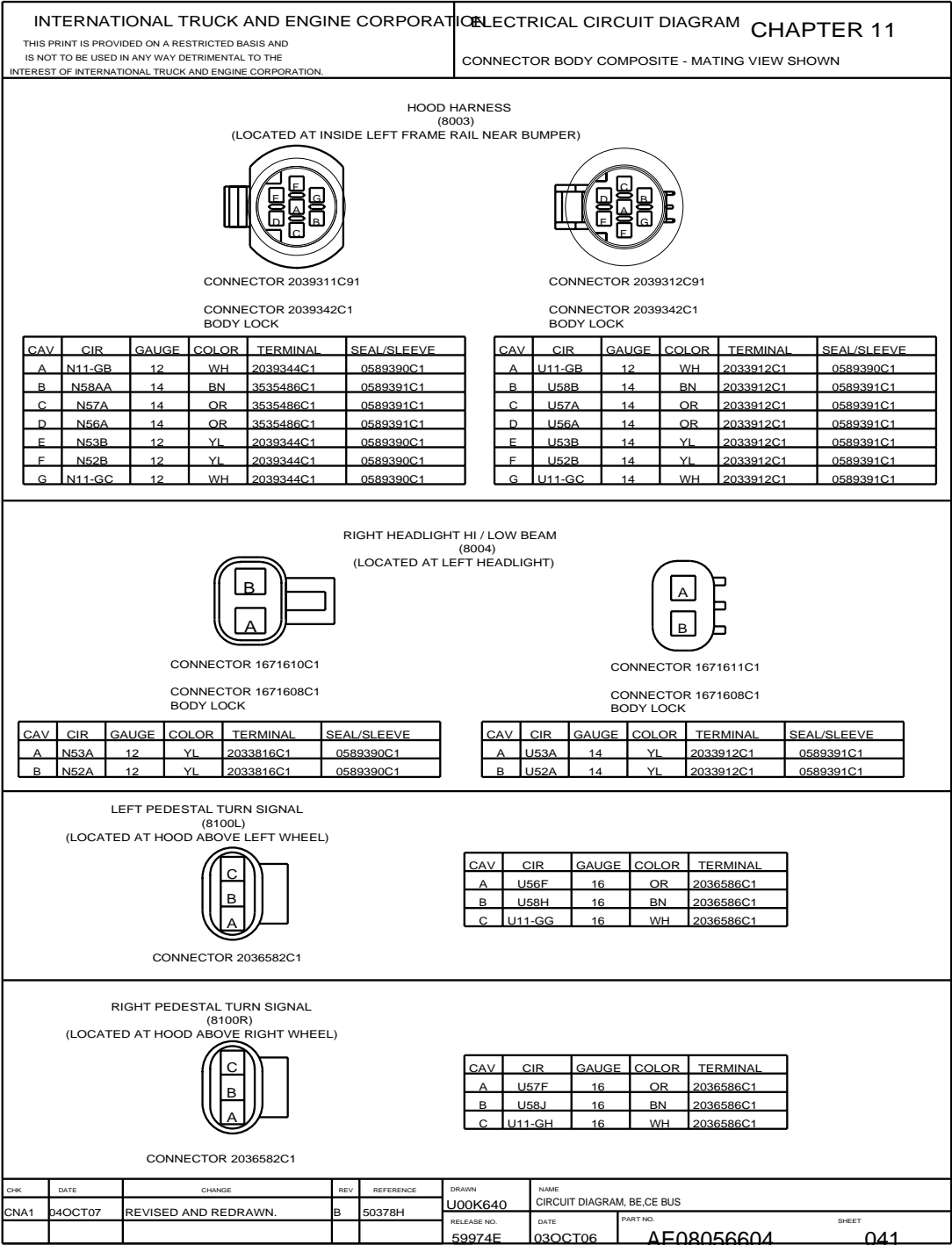


Figure 138 Connector Composites (8003), (8004), (8100L), (8100R)

11.42. CONNECTOR COMPOSITES (8310), (8311), (8312), (8450), (8601), P. 42

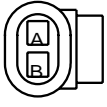

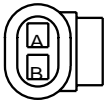
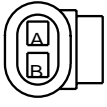
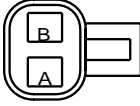
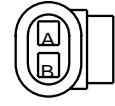
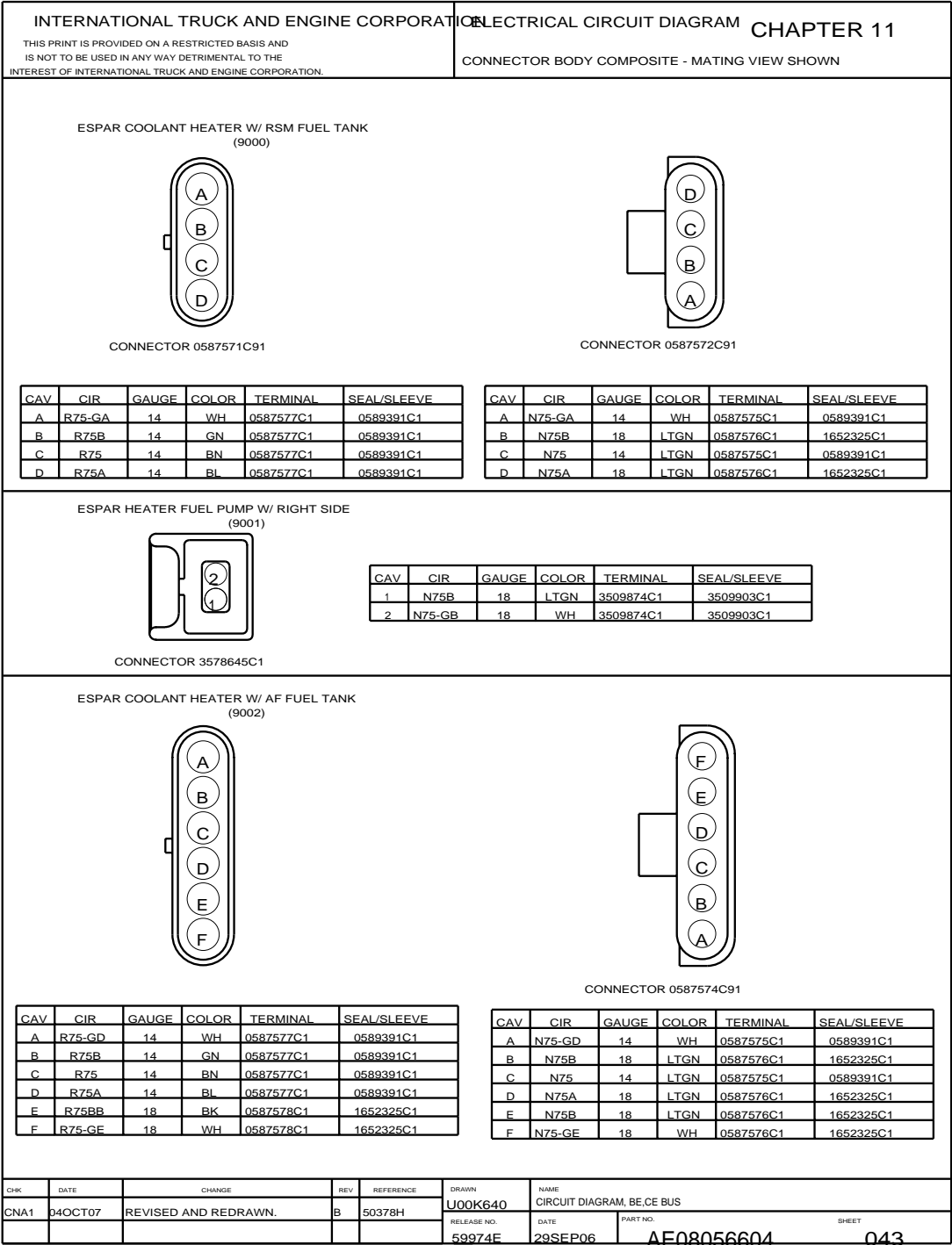
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<div style="text-align: center;"> <p>HORN INTERCONNECT (8310) (LOCATED AT ENGINE COMPARTMENT NEAR BUMPER)</p>   </div> <div style="display: flex; justify-content: space-around; margin-top: 10px;"> <div style="text-align: center;"> <p>CONNECTOR 1661778C1 CONNECTOR 1661874C1 BODY LOCK</p> <table border="1" style="margin: 0 auto; font-size: x-small;"> <thead> <tr> <th>CAV</th> <th>CIR</th> <th>GAUGE</th> <th>COLOR</th> <th>TERMINAL</th> <th>SEAL/SLEEVE</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>N85A</td> <td>16</td> <td>GY</td> <td>1661875C1</td> <td>1661872C1</td> </tr> <tr> <td>B</td> <td>N85-GA</td> <td>16</td> <td>WH</td> <td>1661875C1</td> <td>1661872C1</td> </tr> </tbody> </table> </div> <div style="text-align: center;"> <p>CONNECTOR 3543888C1 CONNECTOR 1661874C1 BODY LOCK</p> <table border="1" style="margin: 0 auto; font-size: x-small;"> <thead> <tr> <th>CAV</th> <th>CIR</th> <th>GAUGE</th> <th>COLOR</th> <th>TERMINAL</th> <th>SEAL/SLEEVE</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>M85J</td> <td>16</td> <td>GY</td> <td>1667742C1</td> <td>1661872C1</td> </tr> <tr> <td>B</td> <td>M85-GC</td> <td>16</td> <td>WH</td> <td>1667742C1</td> <td>1661872C1</td> </tr> </tbody> </table> </div> </div>								CAV	CIR	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE	A	N85A	16	GY	1661875C1	1661872C1	B	N85-GA	16	WH	1661875C1	1661872C1	CAV	CIR	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE	A	M85J	16	GY	1667742C1	1661872C1	B	M85-GC	16	WH	1667742C1	1661872C1																				
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<div style="text-align: center;"> <p>ELECTRIC HORN # 1 (8311) (LOCATED AT ENGINE COMPARTMENT NEAR BUMPER)</p>  </div> <div style="display: flex; justify-content: space-around; margin-top: 10px;"> <div style="text-align: center;"> <p>CONNECTOR 1661778C1 CONNECTOR 1661874C1 BODY LOCK</p> </div> <table border="1" style="margin: 0 auto; font-size: x-small;"> <thead> <tr> <th>CAV</th> <th>CIR</th> <th>GAUGE</th> <th>COLOR</th> <th>TERMINAL</th> <th>SEAL/SLEEVE</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>M85K</td> <td>16</td> <td>GY</td> <td>1661875C1</td> <td>1661872C1</td> </tr> <tr> <td>B</td> <td>M85-GD</td> <td>16</td> <td>WH</td> <td>1661875C1</td> <td>1661872C1</td> </tr> </tbody> </table> </div>								CAV	CIR	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE	A	M85K	16	GY	1661875C1	1661872C1	B	M85-GD	16	WH	1661875C1	1661872C1																																						
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B	M85-GD	16	WH	1661875C1	1661872C1																																																										
<div style="text-align: center;"> <p>ELECTRIC HORN # 2 (8312) (LOCATED AT ENGINE COMPARTMENT NEAR BUMPER)</p>  </div> <div style="display: flex; justify-content: space-around; margin-top: 10px;"> <div style="text-align: center;"> <p>CONNECTOR 1661778C1 CONNECTOR 1661874C1 BODY LOCK</p> </div> <table border="1" style="margin: 0 auto; font-size: x-small;"> <thead> <tr> <th>CAV</th> <th>CIR</th> <th>GAUGE</th> <th>COLOR</th> <th>TERMINAL</th> <th>SEAL/SLEEVE</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>M85L</td> <td>16</td> <td>GY</td> <td>1661875C1</td> <td>1661872C1</td> </tr> <tr> <td>B</td> <td>M85-GE</td> <td>16</td> <td>WH</td> <td>1661875C1</td> <td>1661872C1</td> </tr> </tbody> </table> </div>								CAV	CIR	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE	A	M85L	16	GY	1661875C1	1661872C1	B	M85-GE	16	WH	1661875C1	1661872C1																																						
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B	M85-GE	16	WH	1661875C1	1661872C1																																																										
<div style="text-align: center;"> <p>SHUTTER SOLENOID (8450)</p>  </div> <div style="display: flex; justify-content: space-around; margin-top: 10px;"> <div style="text-align: center;"> <p>CONNECTOR 1671610C1 CONNECTOR 1671608C1 BODY LOCK</p> </div> <table border="1" style="margin: 0 auto; font-size: x-small;"> <thead> <tr> <th>CAV</th> <th>CIR</th> <th>GAUGE</th> <th>COLOR</th> <th>TERMINAL</th> <th>SEAL/SLEEVE</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>K23D</td> <td>18</td> <td>TN</td> <td>2033819C1</td> <td>1652325C1</td> </tr> <tr> <td>B</td> <td>K23-GD</td> <td>18</td> <td>WH</td> <td>2033819C1</td> <td>1652325C1</td> </tr> </tbody> </table> </div>								CAV	CIR	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE	A	K23D	18	TN	2033819C1	1652325C1	B	K23-GD	18	WH	2033819C1	1652325C1																																						
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B	K23-GD	18	WH	2033819C1	1652325C1																																																										
<div style="text-align: center;"> <p>TEMP SENDER (8601) (LOCATED AT FRONT OF LEFT FRAME RAIL)</p>  </div> <div style="display: flex; justify-content: space-around; margin-top: 10px;"> <div style="text-align: center;"> <p>CONNECTOR 3522068C1 BODY LOCK 1661874C1</p> </div> <table border="1" style="margin: 0 auto; font-size: x-small;"> <thead> <tr> <th>CAV</th> <th>CIR</th> <th>GAUGE</th> <th>COLOR</th> <th>TERMINAL</th> <th>SEAL/SLEEVE</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>N41</td> <td>18</td> <td>TN</td> <td>1661875C1</td> <td>1661872C1</td> </tr> <tr> <td>B</td> <td>N110AD</td> <td>18</td> <td>GY</td> <td>1661875C1</td> <td>1661872C1</td> </tr> </tbody> </table> </div>								CAV	CIR	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE	A	N41	18	TN	1661875C1	1661872C1	B	N110AD	18	GY	1661875C1	1661872C1																																						
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Figure 139 Connector Composites (8310), (8311), (8312), (8450), (8601)

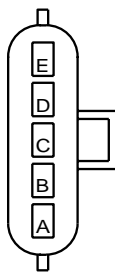
11.43. CONNECTOR COMPOSITES (9000), (9001), (9002), P. 43



11.44. CONNECTOR COMPOSITES (9003), (9004), (9100), P. 44

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ESPAR COOLANT HEATER
(9003)

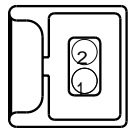


CONNECTOR 1661375C2

CAV	CIR	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A*	R75-GA	14	WH	2033816C1	0589391C1
A#	R75-GD	14	WH	2033816C1	0589391C1
B	R75B	14	GN	2033816C1	0589391C1
C	R75	14	BN	2033816C1	0589391C1
D	PLUG	-	-	0587579C1	-
E	R75A	14	BL	2033816C1	0589391C1

* W/ RSM FUEL TANK
W/ AF FUEL TANK

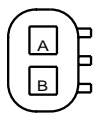
ESPAR HEATER FUEL PUMP W/ AF FUEL TANK
(9004)



CONNECTOR 3578645C1

CAV	CIR	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
1	R75BB	18	BK	3509874C1	3509903C1
2	R75-GE	18	WH	3509874C1	3509903C1

FUEL CONNECTION ABS
(9100)
(LOCATED AT INSIDE LEFT FRAME RAIL AND BEHIND HCU)



CONNECTOR 1671611C1
CONNECTOR 1671608C1
BODY LOCK

CAV	CIR	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	N36	18	TN	2033819C1	3517771C1
B	N9D	18	GY	2033819C1	3517771C1

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
CNA1	04OCT07	REVISED AND REDRAWN.	B	50378H	U00K640	CIRCUIT DIAGRAM, BE,CE BUS
					RELEASE NO.	DATE
					59974E	29SEP06
						PART NO.
						AE08056604
						SHEET
						044

Figure 141 Connector Composites (9003), (9004), (9100)

11.45. CONNECTOR COMPOSITES (9100), (9101), (9254), (9257), P. 45

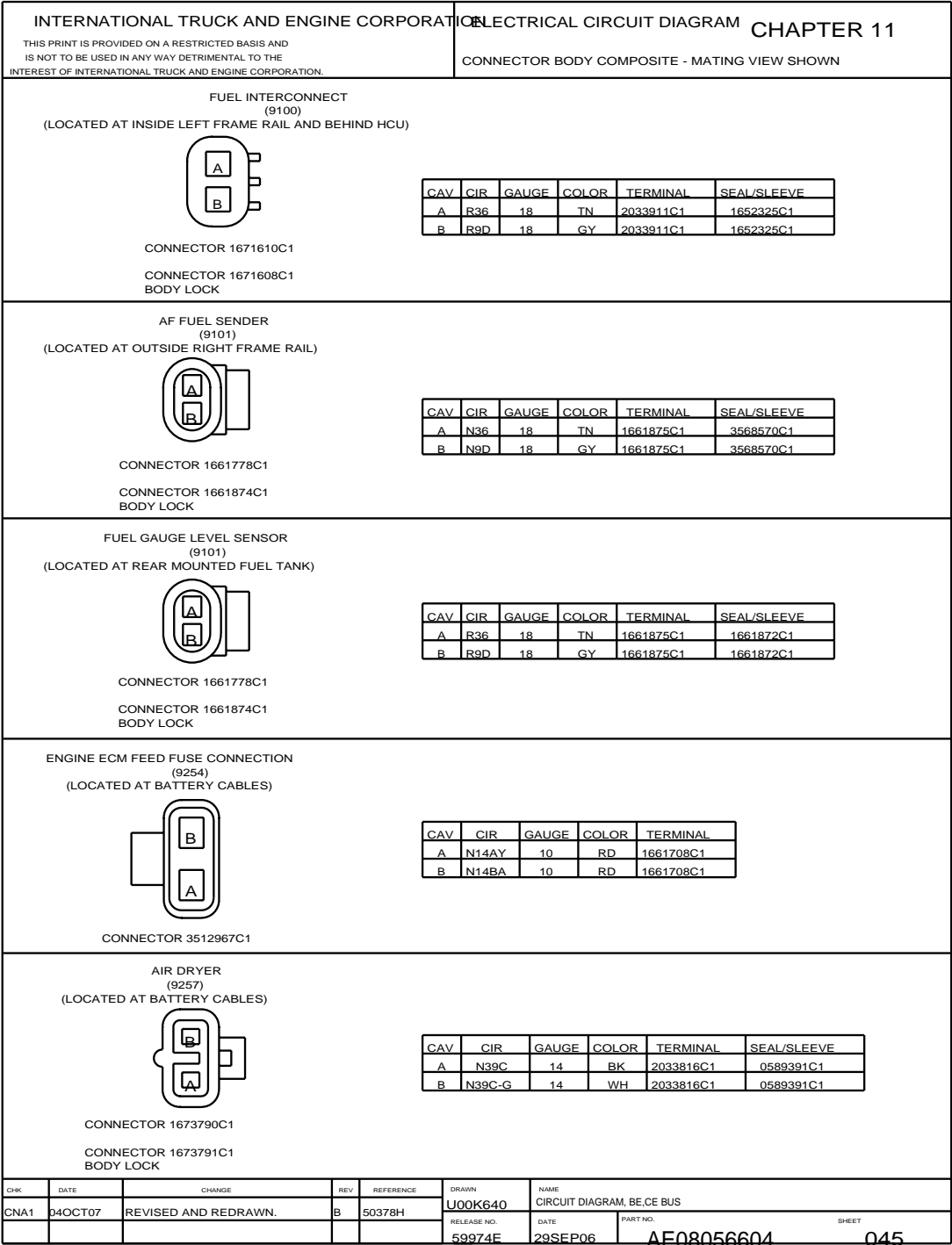


Figure 142 Connector Composites (9100), (9101), (9254), (9257)

11.46. CONNECTOR COMPOSITES (9258), (9260), (9261), P. 46

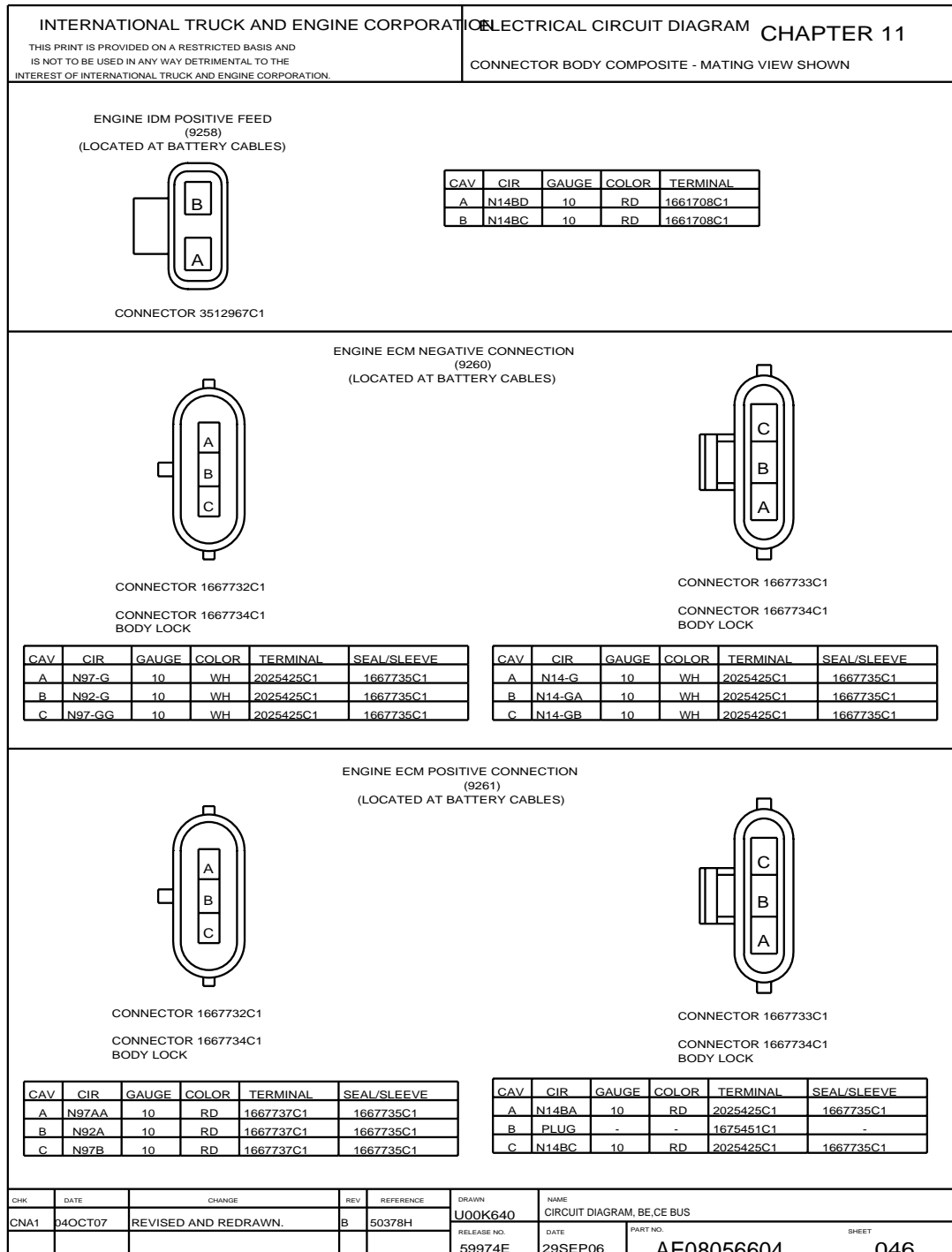


Figure 143 Connector Composites (9258), (9260), (9261)

11.47. CONNECTOR COMPOSITES (9501), (9503), (9506), (9507), P. 47

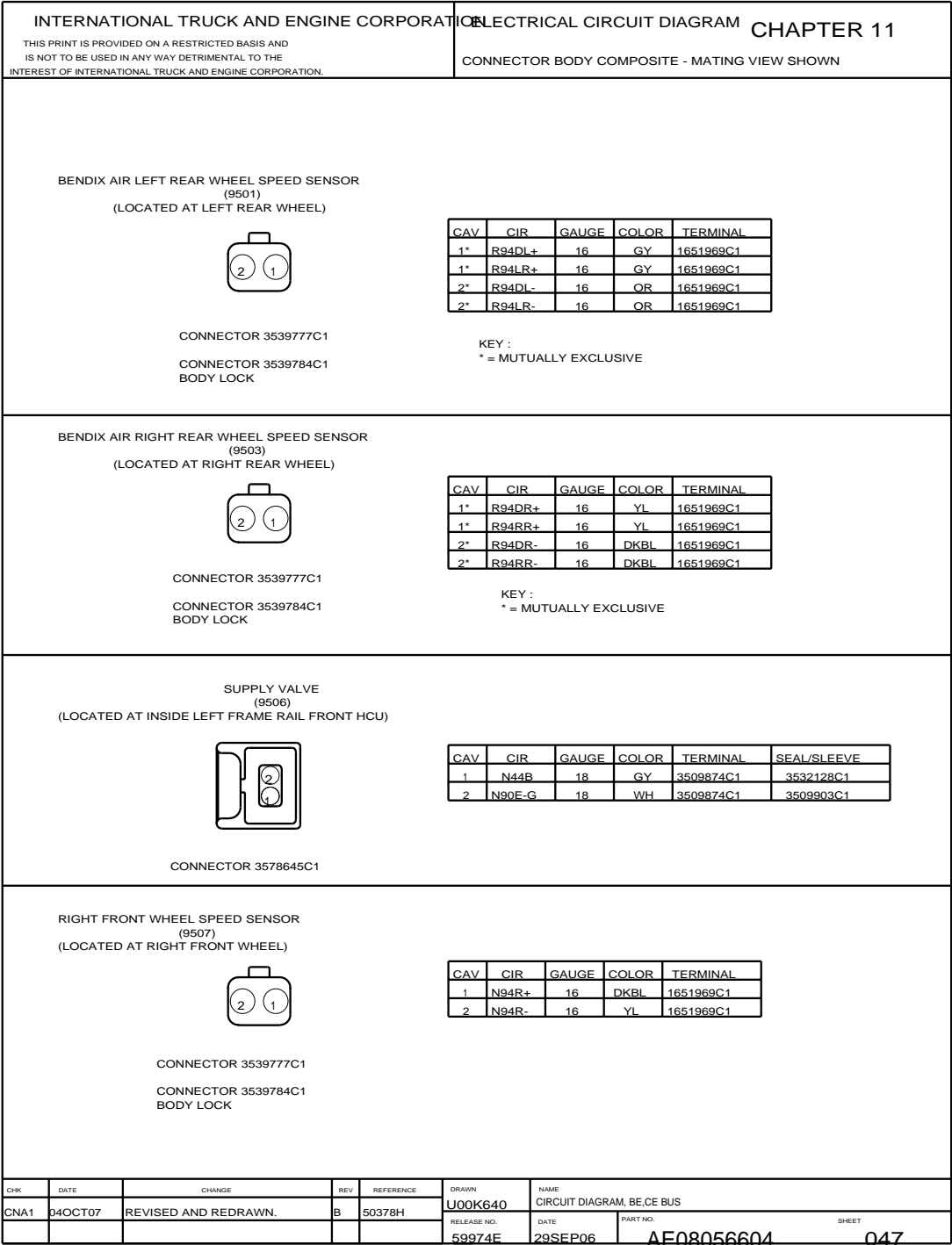


Figure 144 Connector Composites (9501), (9503), (9506), (9507)

11.48. CONNECTOR COMPOSITES (9508), (9510), (9511), P. 48


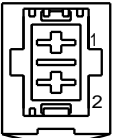
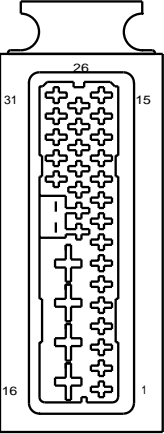
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<div style="display: flex; justify-content: space-between;"> <div style="width: 30%;"> <p>LEFT FRONT WHEEL SPEED SENSOR (9508) (LOCATED AT LEFT FRONT WHEEL)</p>  <p>CONNECTOR 3539777C1</p> <p>CONNECTOR 3539784C1 BODY LOCK</p> </div> <div style="width: 65%;"> <table border="1" style="width: 100%; border-collapse: collapse; font-size: x-small;"> <thead> <tr> <th>CAV</th> <th>CIR</th> <th>GAUGE</th> <th>COLOR</th> <th>TERMINAL</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>N94L+</td> <td>16</td> <td>GY</td> <td>1651969C1</td> </tr> <tr> <td>2</td> <td>N94L-</td> <td>16</td> <td>OR</td> <td>1651969C1</td> </tr> </tbody> </table> </div> </div>						CAV	CIR	GAUGE	COLOR	TERMINAL	1	N94L+	16	GY	1651969C1	2	N94L-	16	OR	1651969C1																																																																																																																																																																																	
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<div style="display: flex; justify-content: space-between;"> <div style="width: 30%;"> <p>FULL POWER BRAKE CONTROLLER (9510) (LOCATED INSIDE LEFT FRAME RAIL AT HCU)</p>  <p>CONNECTOR 3573656C1</p> </div> <div style="width: 65%;"> <table border="1" style="width: 100%; border-collapse: collapse; font-size: x-small;"> <thead> <tr> <th>CAV</th> <th>CIR</th> <th>GAUGE</th> <th>COLOR</th> <th>TERMINAL</th> <th>SEAL/SLEEVE</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>N90AA-G</td> <td>12</td> <td>WH</td> <td>3573654C1</td> <td>3573655C1</td> </tr> <tr> <td>2</td> <td>N90A</td> <td>12</td> <td>GY</td> <td>3573654C1</td> <td>3615148C1</td> </tr> </tbody> </table> </div> </div>						CAV	CIR	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE	1	N90AA-G	12	WH	3573654C1	3573655C1	2	N90A	12	GY	3573654C1	3615148C1																																																																																																																																																																														
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<div style="display: flex; justify-content: space-between;"> <div style="width: 30%;"> <p>FULL POWER BRAKE CONTROLLER (9511) (LOCATED INSIDE LEFT FRAME RAIL AT HCU)</p>  <p>CONNECTOR 3573648C2</p> <p>CONNECTOR 3573650C1 BODY LOCK 3573651C1</p> </div> <div style="width: 65%;"> <table border="1" style="width: 100%; border-collapse: collapse; font-size: x-small;"> <thead> <tr> <th>CAV</th> <th>CIR</th> <th>GAUGE</th> <th>COLOR</th> <th>TERMINAL</th> <th>SEAL/SLEEVE</th> </tr> </thead> <tbody> <tr><td>1</td><td>N90C</td><td>18</td><td>GY</td><td>3573652C1</td><td>3573653C1</td></tr> <tr><td>2</td><td>PLUG</td><td>-</td><td>-</td><td>3577744C1</td><td>-</td></tr> <tr><td>3</td><td>N90F</td><td>18</td><td>GY</td><td>3573652C1</td><td>3573653C1</td></tr> <tr><td>4</td><td>N44B</td><td>18</td><td>GY</td><td>3573652C1</td><td>3573653C1</td></tr> <tr><td>5</td><td>N44C</td><td>18</td><td>GY</td><td>3573652C1</td><td>3573653C1</td></tr> <tr><td>6</td><td>N90B-G</td><td>18</td><td>WH</td><td>3573652C1</td><td>3573653C1</td></tr> <tr><td>7</td><td>N44D</td><td>18</td><td>GY</td><td>3573652C1</td><td>3573653C1</td></tr> <tr><td>8</td><td>PLUG</td><td>-</td><td>-</td><td>3577744C1</td><td>-</td></tr> <tr><td>9</td><td>N90H</td><td>18</td><td>GY</td><td>3573652C1</td><td>3573653C1</td></tr> <tr><td>10</td><td>N90B</td><td>18</td><td>GY</td><td>3573652C1</td><td>3573653C1</td></tr> <tr><td>11</td><td>N44A</td><td>18</td><td>GY</td><td>3573652C1</td><td>3573653C1</td></tr> <tr><td>12</td><td>PLUG</td><td>-</td><td>-</td><td>3577744C1</td><td>-</td></tr> <tr><td>13</td><td>PLUG</td><td>-</td><td>-</td><td>3577744C1</td><td>-</td></tr> <tr><td>14</td><td>N5(+)</td><td>18</td><td>YL</td><td>3573652C1</td><td>3573653C1</td></tr> <tr><td>15</td><td>N5(-)</td><td>18</td><td>GN</td><td>3573652C1</td><td>3573653C1</td></tr> <tr><td>16</td><td>N90</td><td>12</td><td>GY</td><td>3573654C1</td><td>3615148C1</td></tr> <tr><td>17</td><td>N94L</td><td>12</td><td>GY</td><td>3573654C1</td><td>3573655C1</td></tr> <tr><td>18</td><td>N90-GA</td><td>12</td><td>WH</td><td>3573654C1</td><td>3573655C1</td></tr> <tr><td>19</td><td>N94-GB</td><td>12</td><td>WH</td><td>3573654C1</td><td>3573655C1</td></tr> <tr><td>20</td><td>PLUG</td><td>-</td><td>-</td><td>3577744C1</td><td>-</td></tr> <tr><td>21</td><td>PLUG</td><td>-</td><td>-</td><td>3577744C1</td><td>-</td></tr> <tr><td>22</td><td>N94RR+</td><td>18</td><td>DKBL</td><td>3573652C1</td><td>3573653C1</td></tr> <tr><td>23</td><td>N94LR-</td><td>18</td><td>OR</td><td>3573652C1</td><td>3573653C1</td></tr> <tr><td>24</td><td>IND94L-I</td><td>18</td><td>BN</td><td>3573652C1</td><td>3573653C1</td></tr> <tr><td>25</td><td>IND94R-I</td><td>18</td><td>BN</td><td>3573652C1</td><td>3573653C1</td></tr> <tr><td>26</td><td>N3C-</td><td>18</td><td>GY</td><td>3573652C1</td><td>3573653C1</td></tr> <tr><td>27</td><td>N94RR-</td><td>18</td><td>YL</td><td>3573652C1</td><td>3573653C1</td></tr> <tr><td>28</td><td>N94LR+</td><td>18</td><td>GY</td><td>3573652C1</td><td>3573653C1</td></tr> <tr><td>29</td><td>IND94L+I</td><td>18</td><td>BK</td><td>3573652C1</td><td>3573653C1</td></tr> <tr><td>30</td><td>IND94R+I</td><td>18</td><td>BK</td><td>3573652C1</td><td>3573653C1</td></tr> <tr><td>31</td><td>N3C+</td><td>18</td><td>DKBL</td><td>3573652C1</td><td>3573653C1</td></tr> </tbody> </table> </div> </div>						CAV	CIR	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE	1	N90C	18	GY	3573652C1	3573653C1	2	PLUG	-	-	3577744C1	-	3	N90F	18	GY	3573652C1	3573653C1	4	N44B	18	GY	3573652C1	3573653C1	5	N44C	18	GY	3573652C1	3573653C1	6	N90B-G	18	WH	3573652C1	3573653C1	7	N44D	18	GY	3573652C1	3573653C1	8	PLUG	-	-	3577744C1	-	9	N90H	18	GY	3573652C1	3573653C1	10	N90B	18	GY	3573652C1	3573653C1	11	N44A	18	GY	3573652C1	3573653C1	12	PLUG	-	-	3577744C1	-	13	PLUG	-	-	3577744C1	-	14	N5(+)	18	YL	3573652C1	3573653C1	15	N5(-)	18	GN	3573652C1	3573653C1	16	N90	12	GY	3573654C1	3615148C1	17	N94L	12	GY	3573654C1	3573655C1	18	N90-GA	12	WH	3573654C1	3573655C1	19	N94-GB	12	WH	3573654C1	3573655C1	20	PLUG	-	-	3577744C1	-	21	PLUG	-	-	3577744C1	-	22	N94RR+	18	DKBL	3573652C1	3573653C1	23	N94LR-	18	OR	3573652C1	3573653C1	24	IND94L-I	18	BN	3573652C1	3573653C1	25	IND94R-I	18	BN	3573652C1	3573653C1	26	N3C-	18	GY	3573652C1	3573653C1	27	N94RR-	18	YL	3573652C1	3573653C1	28	N94LR+	18	GY	3573652C1	3573653C1	29	IND94L+I	18	BK	3573652C1	3573653C1	30	IND94R+I	18	BK	3573652C1	3573653C1	31	N3C+	18	DKBL	3573652C1	3573653C1
CAV	CIR	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE																																																																																																																																																																																																
1	N90C	18	GY	3573652C1	3573653C1																																																																																																																																																																																																
2	PLUG	-	-	3577744C1	-																																																																																																																																																																																																
3	N90F	18	GY	3573652C1	3573653C1																																																																																																																																																																																																
4	N44B	18	GY	3573652C1	3573653C1																																																																																																																																																																																																
5	N44C	18	GY	3573652C1	3573653C1																																																																																																																																																																																																
6	N90B-G	18	WH	3573652C1	3573653C1																																																																																																																																																																																																
7	N44D	18	GY	3573652C1	3573653C1																																																																																																																																																																																																
8	PLUG	-	-	3577744C1	-																																																																																																																																																																																																
9	N90H	18	GY	3573652C1	3573653C1																																																																																																																																																																																																
10	N90B	18	GY	3573652C1	3573653C1																																																																																																																																																																																																
11	N44A	18	GY	3573652C1	3573653C1																																																																																																																																																																																																
12	PLUG	-	-	3577744C1	-																																																																																																																																																																																																
13	PLUG	-	-	3577744C1	-																																																																																																																																																																																																
14	N5(+)	18	YL	3573652C1	3573653C1																																																																																																																																																																																																
15	N5(-)	18	GN	3573652C1	3573653C1																																																																																																																																																																																																
16	N90	12	GY	3573654C1	3615148C1																																																																																																																																																																																																
17	N94L	12	GY	3573654C1	3573655C1																																																																																																																																																																																																
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19	N94-GB	12	WH	3573654C1	3573655C1																																																																																																																																																																																																
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21	PLUG	-	-	3577744C1	-																																																																																																																																																																																																
22	N94RR+	18	DKBL	3573652C1	3573653C1																																																																																																																																																																																																
23	N94LR-	18	OR	3573652C1	3573653C1																																																																																																																																																																																																
24	IND94L-I	18	BN	3573652C1	3573653C1																																																																																																																																																																																																
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28	N94LR+	18	GY	3573652C1	3573653C1																																																																																																																																																																																																
29	IND94L+I	18	BK	3573652C1	3573653C1																																																																																																																																																																																																
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<table border="1" style="width: 100%; border-collapse: collapse;"> <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>CNA1</td> <td>04OCT07</td> <td>REVISED AND REDRAWN.</td> <td>B</td> <td>50378H</td> <td>U00K640</td> <td>CIRCUIT DIAGRAM, BE, CE BUS</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td>RELEASE NO.</td> <td>PART NO.</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td>59974E</td> <td>AE08056604</td> </tr> </table> <div style="display: flex; justify-content: space-between; margin-top: 5px;"> DATE 29SEP06 SHEET 048 </div>						CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME	CNA1	04OCT07	REVISED AND REDRAWN.	B	50378H	U00K640	CIRCUIT DIAGRAM, BE, CE BUS						RELEASE NO.	PART NO.						59974E	AE08056604																																																																																																																																																																				
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Figure 145 Connector Composites (9508), (9510), (9511)

11.49. CONNECTOR COMPOSITES (9512), (9513), P. 49

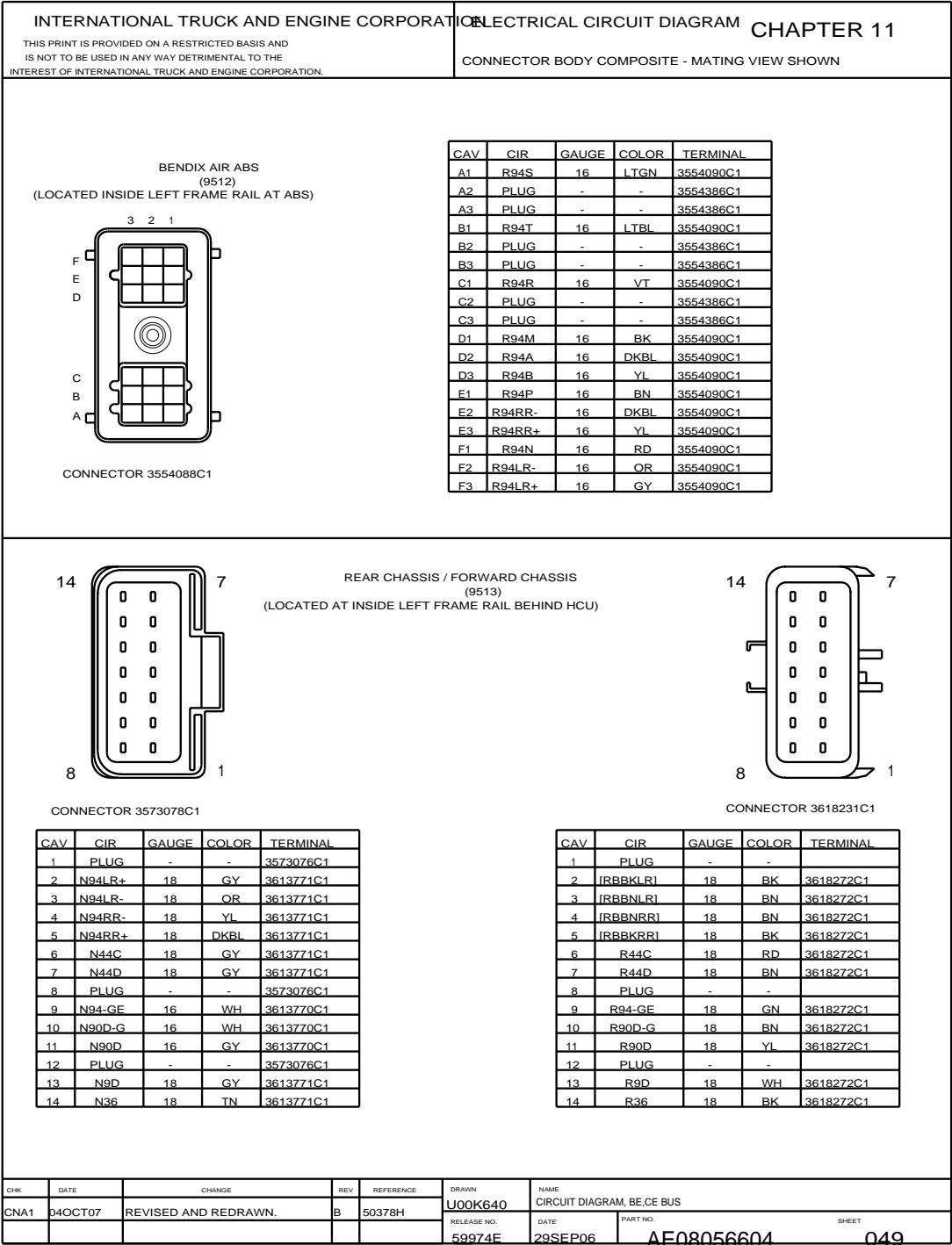


Figure 146 Connector Composites (9512), (9513)

11.50. CONNECTOR COMPOSITES (9514), (9515), (9516), (9517), P. 50

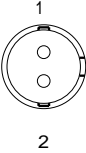

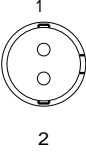
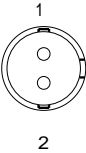
INTERNATIONAL TRUCK AND ENGINE CORPORATION				ELECTRICAL CIRCUIT DIAGRAM CHAPTER 11																		
THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF INTERNATIONAL TRUCK AND ENGINE CORPORATION.				CONNECTOR BODY COMPOSITE - MATING VIEW SHOWN																		
<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>HYD LEFT REAR WHEEL SPEED SENSOR (9514) (LOCATED AT LEFT REAR WHEEL)</p>  <p style="text-align: center;">2</p> <p style="text-align: center;">CONNECTOR WHEELSPD1</p> </div> <div style="width: 50%;"> <table border="1" style="width: 100%; border-collapse: collapse; font-size: x-small;"> <thead> <tr> <th>CAV</th> <th>CIR</th> <th>GAUGE</th> <th>COLOR</th> <th>TERMINAL</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>[RBBKL R]</td> <td>18</td> <td>BK</td> <td>ASSY</td> </tr> <tr> <td>2</td> <td>[RBBNL R]</td> <td>18</td> <td>BN</td> <td>ASSY</td> </tr> </tbody> </table> </div> </div>								CAV	CIR	GAUGE	COLOR	TERMINAL	1	[RBBKL R]	18	BK	ASSY	2	[RBBNL R]	18	BN	ASSY
CAV	CIR	GAUGE	COLOR	TERMINAL																		
1	[RBBKL R]	18	BK	ASSY																		
2	[RBBNL R]	18	BN	ASSY																		
<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>HYD RIGHT REAR WHEEL SPEED SENSOR (9515) (LOCATED AT RIGHT REAR WHEEL)</p>  <p style="text-align: center;">2</p> <p style="text-align: center;">CONNECTOR WHEELSPD1</p> </div> <div style="width: 50%;"> <table border="1" style="width: 100%; border-collapse: collapse; font-size: x-small;"> <thead> <tr> <th>CAV</th> <th>CIR</th> <th>GAUGE</th> <th>COLOR</th> <th>TERMINAL</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>[RBBKR R]</td> <td>18</td> <td>BK</td> <td>ASSY</td> </tr> <tr> <td>2</td> <td>[RBBNR R]</td> <td>18</td> <td>BN</td> <td>ASSY</td> </tr> </tbody> </table> </div> </div>								CAV	CIR	GAUGE	COLOR	TERMINAL	1	[RBBKR R]	18	BK	ASSY	2	[RBBNR R]	18	BN	ASSY
CAV	CIR	GAUGE	COLOR	TERMINAL																		
1	[RBBKR R]	18	BK	ASSY																		
2	[RBBNR R]	18	BN	ASSY																		
<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>HYD BRAKE RIGHT FRONT WHEEL SPEED SENSOR (9516) (LOCATED AT RIGHT FRONT WHEEL)</p>  <p style="text-align: center;">2</p> <p style="text-align: center;">CONNECTOR 3526351C1</p> </div> <div style="width: 50%;"> <table border="1" style="width: 100%; border-collapse: collapse; font-size: x-small;"> <thead> <tr> <th>CAV</th> <th>CIR</th> <th>GAUGE</th> <th>COLOR</th> <th>TERMINAL</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>[N94R+]</td> <td>18</td> <td>BK</td> <td>ASSY</td> </tr> <tr> <td>2</td> <td>[N94R-]</td> <td>18</td> <td>BN</td> <td>ASSY</td> </tr> </tbody> </table> </div> </div>								CAV	CIR	GAUGE	COLOR	TERMINAL	1	[N94R+]	18	BK	ASSY	2	[N94R-]	18	BN	ASSY
CAV	CIR	GAUGE	COLOR	TERMINAL																		
1	[N94R+]	18	BK	ASSY																		
2	[N94R-]	18	BN	ASSY																		
<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>HYD BRAKE LEFT FRONT WHEEL SPEED SENSOR (9517) (LOCATED AT LEFT FRONT WHEEL)</p>  <p style="text-align: center;">2</p> <p style="text-align: center;">CONNECTOR 3519666C1</p> </div> <div style="width: 50%;"> <table border="1" style="width: 100%; border-collapse: collapse; font-size: x-small;"> <thead> <tr> <th>CAV</th> <th>CIR</th> <th>GAUGE</th> <th>COLOR</th> <th>TERMINAL</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>[N94L+]</td> <td>18</td> <td>BK</td> <td>ASSY</td> </tr> <tr> <td>2</td> <td>[N94L-]</td> <td>18</td> <td>BN</td> <td>ASSY</td> </tr> </tbody> </table> </div> </div>								CAV	CIR	GAUGE	COLOR	TERMINAL	1	[N94L+]	18	BK	ASSY	2	[N94L-]	18	BN	ASSY
CAV	CIR	GAUGE	COLOR	TERMINAL																		
1	[N94L+]	18	BK	ASSY																		
2	[N94L-]	18	BN	ASSY																		
CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME																
CNA1	04OCT07	REVISED AND REDRAWN.	B	50378H	U00K640	CIRCUIT DIAGRAM, BE,CE BUS																
RELEASE NO.					DATE	PART NO.	SHEET															
59974E					29SEP06	AE08056604	050															

Figure 147 Connector Composites (9514), (9515), (9516), (9517)

11.51. CONNECTOR COMPOSITES (9518), (9519), (9520), (9521), P. 51

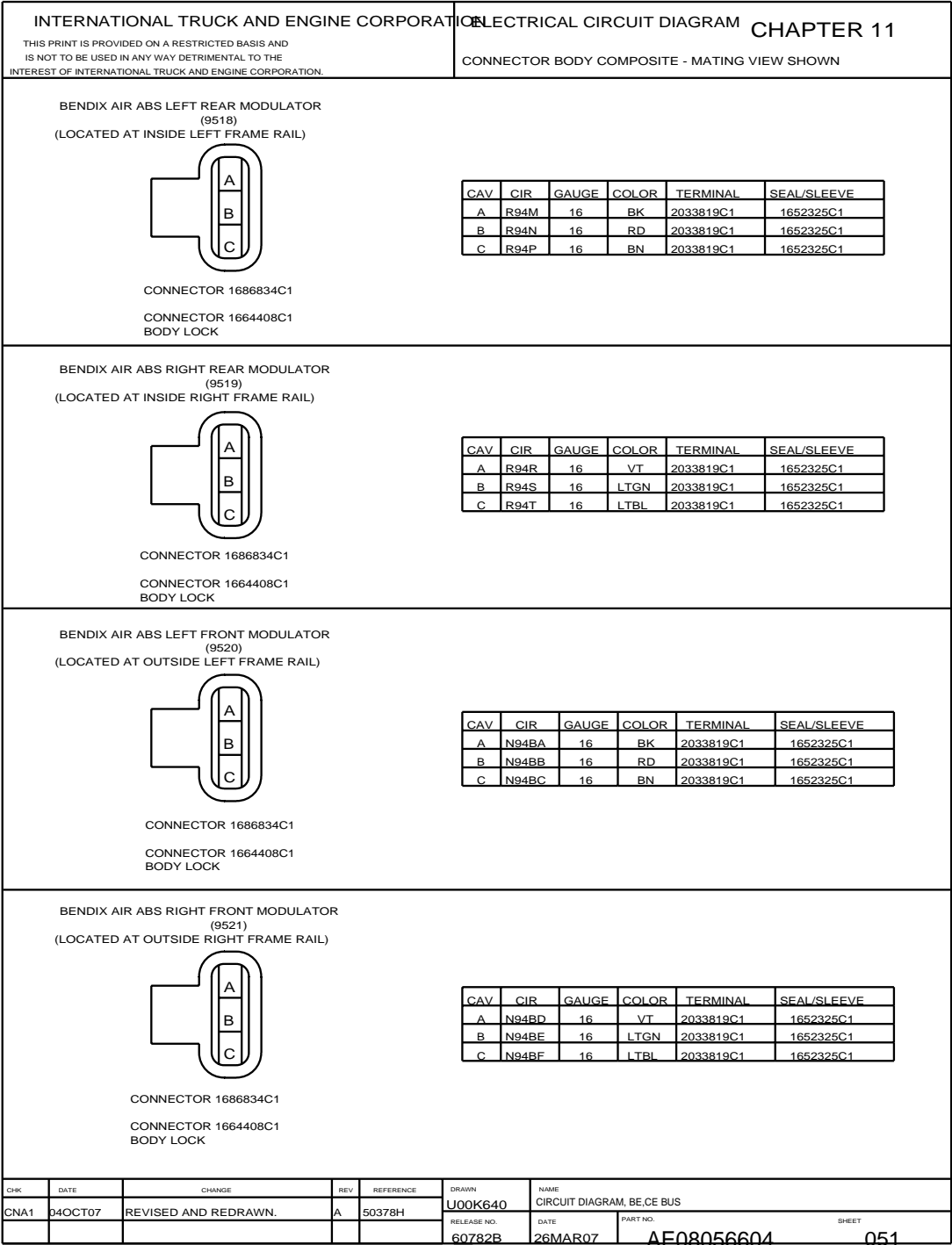



Figure 148 Connector Composites (9518), (9519), (9520), (9521)

11.52. CONNECTOR COMPOSITES (9522), (9526), (9527), P. 52

INTERNATIONAL TRUCK AND ENGINE CORPORATION				ELECTRICAL CIRCUIT DIAGRAM CHAPTER 11			
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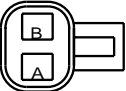
AIR AUTO TRACTION CONTROL
(9522)
(LOCATED AT CROSSMEMBER FRONT OF REAR AXLE)



CONNECTOR 3518183C1
CONNECTOR 3518174C1
BODY LOCK

CAV	CIR	GAUGE	COLOR	TERMINAL
1	R94A	16	DKBL	3518961C1
2	R94B	16	YL	3518961C1

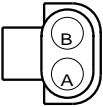
DRAIN VALVE
(9526)
(LOCATED OUTSIDE LEFT FRAME RAIL AT AIR TANK)



CONNECTOR 1671610C1
CONNECTOR 1671608C1
BODY LOCK

CAV	CIR	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	N39B	14	BK	2033816C1	0589391C1
B	N39B-G	14	WH	2033816C1	0589391C1

HALDEX DRAIN VALVE
(9527)
(LOCATED OUTSIDE LEFT FRAME RAIL AT AIR TANK)



CONNECTOR 0587568C91

CAV	CIR	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	N39D	14	BK	0587575C1	0589391C1
B	N39D-G	14	WH	0587575C1	0589391C1

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
CNA1	04OCT07	REVISED AND REDRAWN.	A	50378H	U00K640	CIRCUIT DIAGRAM, BE,CE BUS
					RELEASE NO.	DATE
					60782B	26MAR07
						PART NO.
						AE08056604
						SHEET
						052

Figure 149 Connector Composites (9522), (9526), (9527)

11.53. CONNECTOR COMPOSITES (9533), (9534), (9535), P. 53

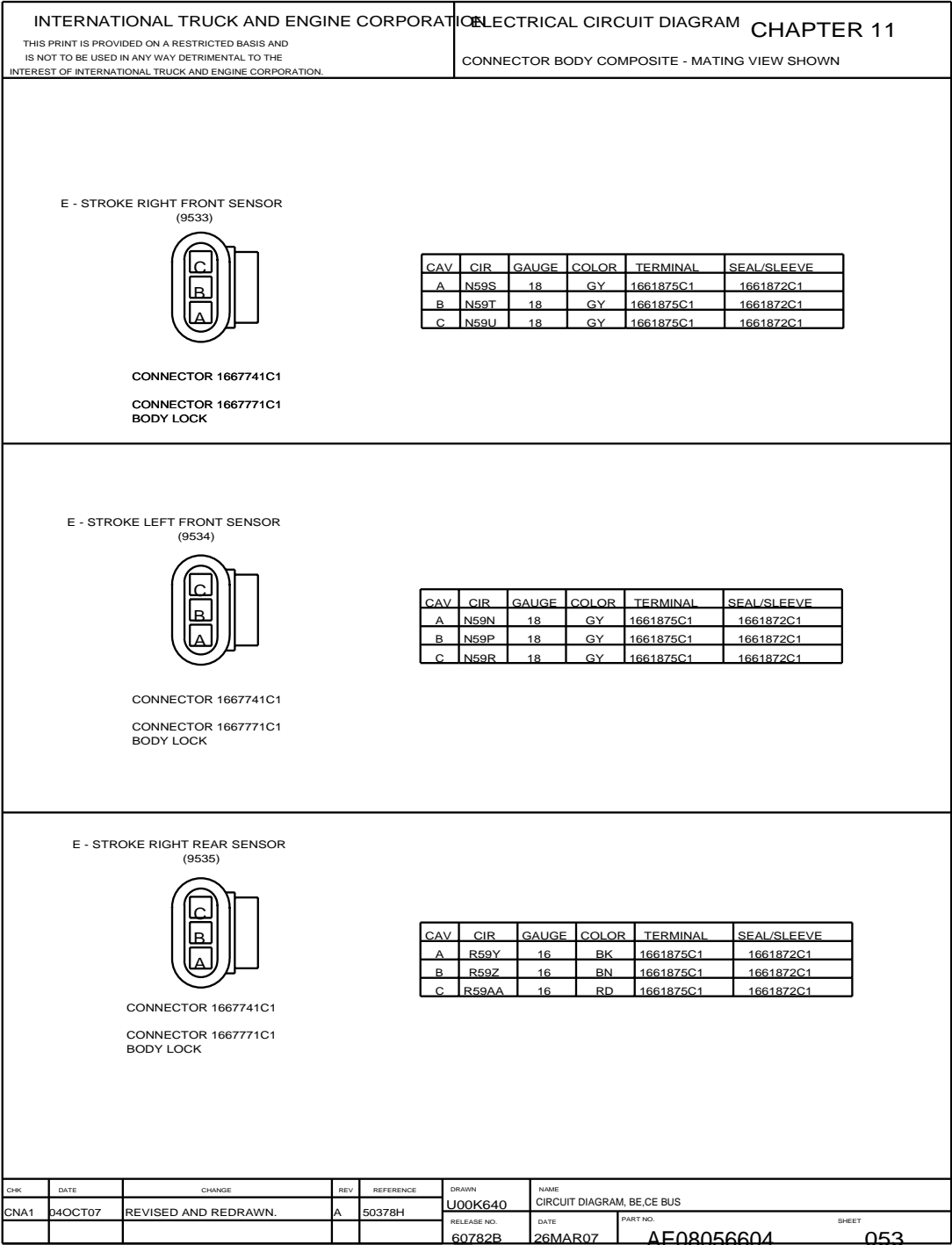


Figure 150 Connector Composites (9533), (9534), (9535)

11.54. CONNECTOR COMPOSITES (9536), (9537), (9538), P. 54


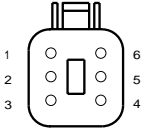

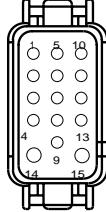
INTERNATIONAL TRUCK AND ENGINE CORPORATION				ELECTRICAL CIRCUIT DIAGRAM CHAPTER 11																																																																																	
<small>THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF INTERNATIONAL TRUCK AND ENGINE CORPORATION.</small>				CONNECTOR BODY COMPOSITE - MATING VIEW SHOWN																																																																																	
<div style="display: flex; justify-content: space-between;"><div style="width: 45%;"><p style="text-align: center;">E - STROKE LEFT REAR SENSOR (9536)</p><p style="text-align: center;">CONNECTOR 1667741C1 CONNECTOR 1667771C1 BODY LOCK</p></div><div style="width: 50%;"><table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"><thead><tr><th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>TERMINAL</th><th>SEAL/SLEEVE</th></tr></thead><tbody><tr><td>A</td><td>R59V</td><td>16</td><td>LTBL</td><td>1661875C1</td><td>1661872C1</td></tr><tr><td>B</td><td>R59W</td><td>16</td><td>LTGN</td><td>1661875C1</td><td>1661872C1</td></tr><tr><td>C</td><td>R59X</td><td>16</td><td>VT</td><td>1661875C1</td><td>1661872C1</td></tr></tbody></table></div></div>						CAV	CIR	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE	A	R59V	16	LTBL	1661875C1	1661872C1	B	R59W	16	LTGN	1661875C1	1661872C1	C	R59X	16	VT	1661875C1	1661872C1																																																								
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<div style="display: flex; justify-content: space-around;"><div style="width: 45%;"><p style="text-align: center;">E - STROKE REAR CHASSIS / FORWARD CHASSIS (9537) (LOCATED AT MIDDLE INSIDE FRAME RAIL)</p><p style="text-align: center;">CONNECTOR 2005240C1 CONNECTOR 2005242C1 BODY LOCK</p><table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"><thead><tr><th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>TERMINAL</th></tr></thead><tbody><tr><td>1</td><td>N59V</td><td>18</td><td>GY</td><td>1680205C1</td></tr><tr><td>2</td><td>N59W</td><td>18</td><td>GY</td><td>1680205C1</td></tr><tr><td>3</td><td>N59X</td><td>18</td><td>GY</td><td>1680205C1</td></tr><tr><td>4</td><td>N59Y</td><td>18</td><td>GY</td><td>1680205C1</td></tr><tr><td>5</td><td>N59Z</td><td>18</td><td>GY</td><td>1680205C1</td></tr><tr><td>6</td><td>N59AA</td><td>18</td><td>GY</td><td>1680205C1</td></tr></tbody></table></div><div style="width: 45%;"><p style="text-align: center;">CONNECTOR 2005241C1 CONNECTOR 2005243C1 BODY LOCK</p><table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"><thead><tr><th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>TERMINAL</th></tr></thead><tbody><tr><td>1</td><td>R59V</td><td>16</td><td>LTBL</td><td>1680206C1</td></tr><tr><td>2</td><td>R59W</td><td>16</td><td>LTGN</td><td>1680206C1</td></tr><tr><td>3</td><td>R59X</td><td>16</td><td>VT</td><td>1680206C1</td></tr><tr><td>4</td><td>R59Y</td><td>16</td><td>BK</td><td>1680206C1</td></tr><tr><td>5</td><td>R59Z</td><td>16</td><td>BN</td><td>1680206C1</td></tr><tr><td>6</td><td>R59AA</td><td>16</td><td>RD</td><td>1680206C1</td></tr></tbody></table></div></div>						CAV	CIR	GAUGE	COLOR	TERMINAL	1	N59V	18	GY	1680205C1	2	N59W	18	GY	1680205C1	3	N59X	18	GY	1680205C1	4	N59Y	18	GY	1680205C1	5	N59Z	18	GY	1680205C1	6	N59AA	18	GY	1680205C1	CAV	CIR	GAUGE	COLOR	TERMINAL	1	R59V	16	LTBL	1680206C1	2	R59W	16	LTGN	1680206C1	3	R59X	16	VT	1680206C1	4	R59Y	16	BK	1680206C1	5	R59Z	16	BN	1680206C1	6	R59AA	16	RD	1680206C1										
CAV	CIR	GAUGE	COLOR	TERMINAL																																																																																	
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<div style="display: flex; justify-content: space-between;"><div style="width: 45%;"><p style="text-align: center;">BENDIX AIR ABS6 CONNECTOR (9538) (LOCATED AT INSIDE LEFT FRAME RAIL AT ABS)</p><p style="text-align: center;">CONNECTOR 3598469C1</p></div><div style="width: 50%;"><table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"><thead><tr><th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>TERMINAL</th></tr></thead><tbody><tr><td>1</td><td>N3C-</td><td>18</td><td>GY</td><td>1680205C1</td></tr><tr><td>2</td><td>N5(-)</td><td>18</td><td>GN</td><td>1680205C1</td></tr><tr><td>3</td><td>N94L+</td><td>16</td><td>GY</td><td>1680205C1</td></tr><tr><td>4</td><td>N94R+</td><td>16</td><td>DKBL</td><td>1680205C1</td></tr><tr><td>5</td><td>N3C+</td><td>18</td><td>DKBL</td><td>1680205C1</td></tr><tr><td>6</td><td>N5(+)</td><td>18</td><td>YL</td><td>1680205C1</td></tr><tr><td>7</td><td>N94L-</td><td>16</td><td>OR</td><td>1680205C1</td></tr><tr><td>8</td><td>N94R-</td><td>16</td><td>YL</td><td>1680205C1</td></tr><tr><td>9</td><td>N94BJ</td><td>18</td><td>GY</td><td>1680205C1</td></tr><tr><td>10</td><td>PLUG</td><td>-</td><td>-</td><td>0453133C1</td></tr><tr><td>11</td><td>PLUG</td><td>-</td><td>-</td><td>0453133C1</td></tr><tr><td>12</td><td>N94BCS</td><td>18</td><td>GY</td><td>1680205C1</td></tr><tr><td>13</td><td>PLUG</td><td>-</td><td>-</td><td>0453133C1</td></tr><tr><td>14</td><td>N94BP</td><td>12</td><td>GY</td><td>3557534C1</td></tr><tr><td>15</td><td>N94-G</td><td>12</td><td>WH</td><td>3557534C1</td></tr></tbody></table></div></div>						CAV	CIR	GAUGE	COLOR	TERMINAL	1	N3C-	18	GY	1680205C1	2	N5(-)	18	GN	1680205C1	3	N94L+	16	GY	1680205C1	4	N94R+	16	DKBL	1680205C1	5	N3C+	18	DKBL	1680205C1	6	N5(+)	18	YL	1680205C1	7	N94L-	16	OR	1680205C1	8	N94R-	16	YL	1680205C1	9	N94BJ	18	GY	1680205C1	10	PLUG	-	-	0453133C1	11	PLUG	-	-	0453133C1	12	N94BCS	18	GY	1680205C1	13	PLUG	-	-	0453133C1	14	N94BP	12	GY	3557534C1	15	N94-G	12	WH	3557534C1
CAV	CIR	GAUGE	COLOR	TERMINAL																																																																																	
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7	N94L-	16	OR	1680205C1																																																																																	
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15	N94-G	12	WH	3557534C1																																																																																	
<table border="1" style="width: 100%; border-collapse: collapse;"><tr><td style="width: 10%;">CHK</td><td style="width: 10%;">DATE</td><td style="width: 20%;">CHANGE</td><td style="width: 10%;">REV</td><td style="width: 10%;">REFERENCE</td><td style="width: 10%;">DRAWN</td><td style="width: 40%;">NAME</td></tr><tr><td>CNA1</td><td>04OCT07</td><td>INITIAL RELEASE.</td><td>A</td><td>50378H</td><td>U00K640</td><td>CIRCUIT DIAGRAM, BE, CE BUS</td></tr><tr><td></td><td></td><td></td><td></td><td></td><td>RELEASE NO. 50378H</td><td>DATE 07JUN07</td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td>PART NO. AE08056604</td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td>SHEET 054</td></tr></table>						CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME	CNA1	04OCT07	INITIAL RELEASE.	A	50378H	U00K640	CIRCUIT DIAGRAM, BE, CE BUS						RELEASE NO. 50378H	DATE 07JUN07							PART NO. AE08056604							SHEET 054																																													
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Figure 151 Connector Composites (9536), (9537), (9538)

11.55. CONNECTOR COMPOSITES (9539), (9540), (9541), P. 55

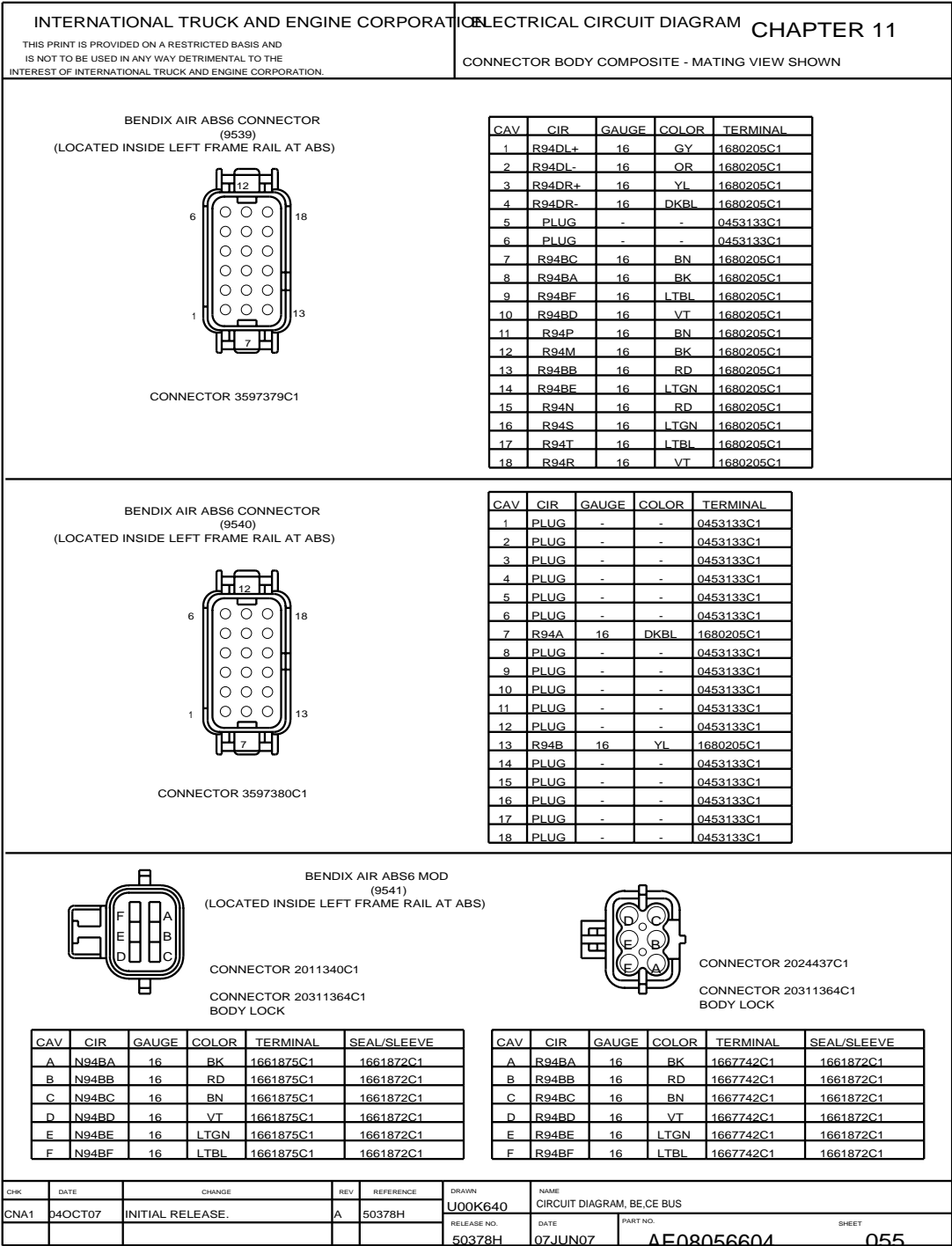


Figure 152 Connector Composites (9539), (9540), (9541)

11.56. CONNECTOR COMPOSITES (9736), (9777), (9778), P. 56

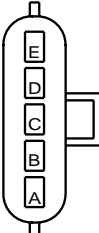
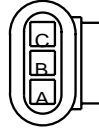
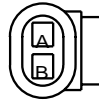
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<div style="display: flex; justify-content: space-between;"> <div style="width: 30%;"> <p style="text-align: center;">AIR SOLENOID 4 - PACK (9736) (LOCATED AT ENGINE COMPARTMENT REAR)</p>  <p style="text-align: center;">CONNECTOR 1661375C2 CONNECTOR 1661376C1 BODY LOCK</p> </div> <div style="width: 65%;"> <table border="1" style="width: 100%; border-collapse: collapse; font-size: x-small;"> <thead> <tr> <th>CAV</th> <th>CIR</th> <th>GAUGE</th> <th>COLOR</th> <th>TERMINAL</th> <th>SEAL/SLEEVE</th> </tr> </thead> <tbody> <tr><td>A</td><td>N59H-G</td><td>14</td><td>WH</td><td>2033816C1</td><td>0589391C1</td></tr> <tr><td>B</td><td>N59J</td><td>18</td><td>GY</td><td>2033819C1</td><td>1652325C1</td></tr> <tr><td>C</td><td>N59K</td><td>18</td><td>GY</td><td>2033819C1</td><td>1652325C1</td></tr> <tr><td>D</td><td>N59L</td><td>18</td><td>GY</td><td>2033819C1</td><td>1652325C1</td></tr> <tr><td>E</td><td>N59M</td><td>18</td><td>GY</td><td>2033819C1</td><td>1652325C1</td></tr> </tbody> </table> </div> </div>						CAV	CIR	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE	A	N59H-G	14	WH	2033816C1	0589391C1	B	N59J	18	GY	2033819C1	1652325C1	C	N59K	18	GY	2033819C1	1652325C1	D	N59L	18	GY	2033819C1	1652325C1	E	N59M	18	GY	2033819C1	1652325C1
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<div style="display: flex; justify-content: space-between;"> <div style="width: 30%;"> <p style="text-align: center;">SAHR SENSOR (9777) (LOCATED INSIDE LEFT FRAME RAIL AT SAHR CANISTER)</p>  <p style="text-align: center;">CONNECTOR 1667741C1 CONNECTOR 1667771C1 BODY LOCK</p> </div> <div style="width: 65%;"> <table border="1" style="width: 100%; border-collapse: collapse; font-size: x-small;"> <thead> <tr> <th>CAV</th> <th>CIR</th> <th>GAUGE</th> <th>COLOR</th> <th>TERMINAL</th> <th>SEAL/SLEEVE</th> </tr> </thead> <tbody> <tr><td>A</td><td>R90D</td><td>18</td><td>YL</td><td>1661875C1</td><td>1661872C1</td></tr> <tr><td>B</td><td>R94-GE</td><td>18</td><td>GN</td><td>1661875C1</td><td>1661872C1</td></tr> <tr><td>C</td><td>R44D</td><td>18</td><td>BN</td><td>1661875C1</td><td>1661872C1</td></tr> </tbody> </table> </div> </div>						CAV	CIR	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE	A	R90D	18	YL	1661875C1	1661872C1	B	R94-GE	18	GN	1661875C1	1661872C1	C	R44D	18	BN	1661875C1	1661872C1												
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<div style="display: flex; justify-content: space-between;"> <div style="width: 30%;"> <p style="text-align: center;">SAHR CUTOFF SOLENOID (9778) (LOCATED INSIDE LEFT FRAME RAIL AT HCU)</p>  <p style="text-align: center;">CONNECTOR 3582941C1 CONNECTOR 1661874C1 BODY LOCK</p> </div> <div style="width: 65%;"> <table border="1" style="width: 100%; border-collapse: collapse; font-size: x-small;"> <thead> <tr> <th>CAV</th> <th>CIR</th> <th>GAUGE</th> <th>COLOR</th> <th>TERMINAL</th> <th>SEAL/SLEEVE</th> </tr> </thead> <tbody> <tr><td>A</td><td>R44C</td><td>18</td><td>RD</td><td>1661875C1</td><td>1661872C1</td></tr> <tr><td>B</td><td>R90D-G</td><td>18</td><td>BN</td><td>1661875C1</td><td>1661872C1</td></tr> </tbody> </table> </div> </div>						CAV	CIR	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE	A	R44C	18	RD	1661875C1	1661872C1	B	R90D-G	18	BN	1661875C1	1661872C1																		
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					PART NO.	SHEET																																			
					AE08056604	056																																			

Figure 153 Connector Composites (9736), (9777), (9778)

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