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SERVICE MANUAL SECTION

LoneStar® and ProStar® Chassis Built January, 2007 and After — ELECTRICAL CIRCUIT DIAGRAMS

Model: LoneStar

Model: ProStar
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2.1. ABBREVIATIONS, P. 1

INTERNATIONAL TRUCK AND ENGINE CORPORATION

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ELECTRICAL CIRCUIT DIAGRAM — CHAPTER 2

ABBREVIATIONS

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

CHK	DATE	CHANGE	REV.	REFERENCE	DRAWN	NAME
CNA1	14JAN09	TITLE WAS CIRCUIT	B	61254R	U00K640	CIRCUIT DIAGRAM, PROSTAR, LONESTAR
	DIAGRAM, PROSTAR				RELEASE NO. 59637L / DATE 31AUG06	PART NO. AE08055894 / SHEET 001

Figure 1 Abbreviations

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2.2. ACRONYMS, P. 2

INTERNATIONAL TRUCK AND ENGINE CORPORATION

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ELECTRICAL CIRCUIT DIAGRAM

CHAPTER 2

ACRONYMS

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
AUTOMATIC TRACTION CONTROL	ATC
AUDIO VIDEO INTERFACE	AVI
BRAKE HORSEPOWER	BHP
BACK OF CAB	BOC
CITIZEN BAND	CB
COLD CRANKING AMPERES	CCA
CLEAN POWER ELECTRICAL CONNECTOR	CEC
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 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 INTERFACE	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
HEAVY DUTY DIESEL	HDD
HIGH PERFORMANCE TRUCK	HPT
HEATING, VENTILATION, AND AIR CONDITIONING	HVAC

DESCRIPTION	ACRONYM
INJECTOR DRIVE MODULE	IDM
INPUT/OUTPUT	I / O
INTEGRATED MOBILE COMMUNICATIONS TERMINAL	IMCT
INSTRUMENT PANEL	I/P
INDEPENDENT POWER TAKE-OFF	IPTO
LIGHT COMMERCIAL TRANSMISSION	LCT
MEDIUM DUTY	MD
MALFUNCTION INDICATION LAMP	MIL
MULTIPLEX SWITCH MODULE	MSM
PYROMETER AMMETER MODULE	PAM
PROGRAMMABLE LOGIC CONTROLLER	PLC
POWER TAKE-OFF	PTO
PULSE WIDTH MODULATION	PWM
REAR AXLE	RA
RADIO FREQUENCY	RF
ROLL STABILITY PROGRAMM	RSP
SEVERE SERVICE	SS
TRANSMISSION CONTROL MODULE	TCM
TERRESTRIAL COMMUNICATION UNIT	TCU
TERRESTRIAL MOBILE COMMUNICATIONS TERMINAL	TMCT
THERMAL OVERCRANK PROTECTION	TOCP
THROTTLE POSITION SENSOR	TPS
ZERO VOLT REFERENCE	ZVR

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
CNA1	14JAN09	TITLE WAS CIRCUIT	B	61254R	U00K640	CIRCUIT DIAGRAM, PROSTAR, LONESTAR
		DIAGRAM, PROSTAR			RELEASE NO. 59637L	DATE 31AUG06

PART NO. AE08055894 SHEET 002

Figure 2 Acronyms

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2.3. CIRCUIT DIAGRAM INSTRUCTIONS, P. 3

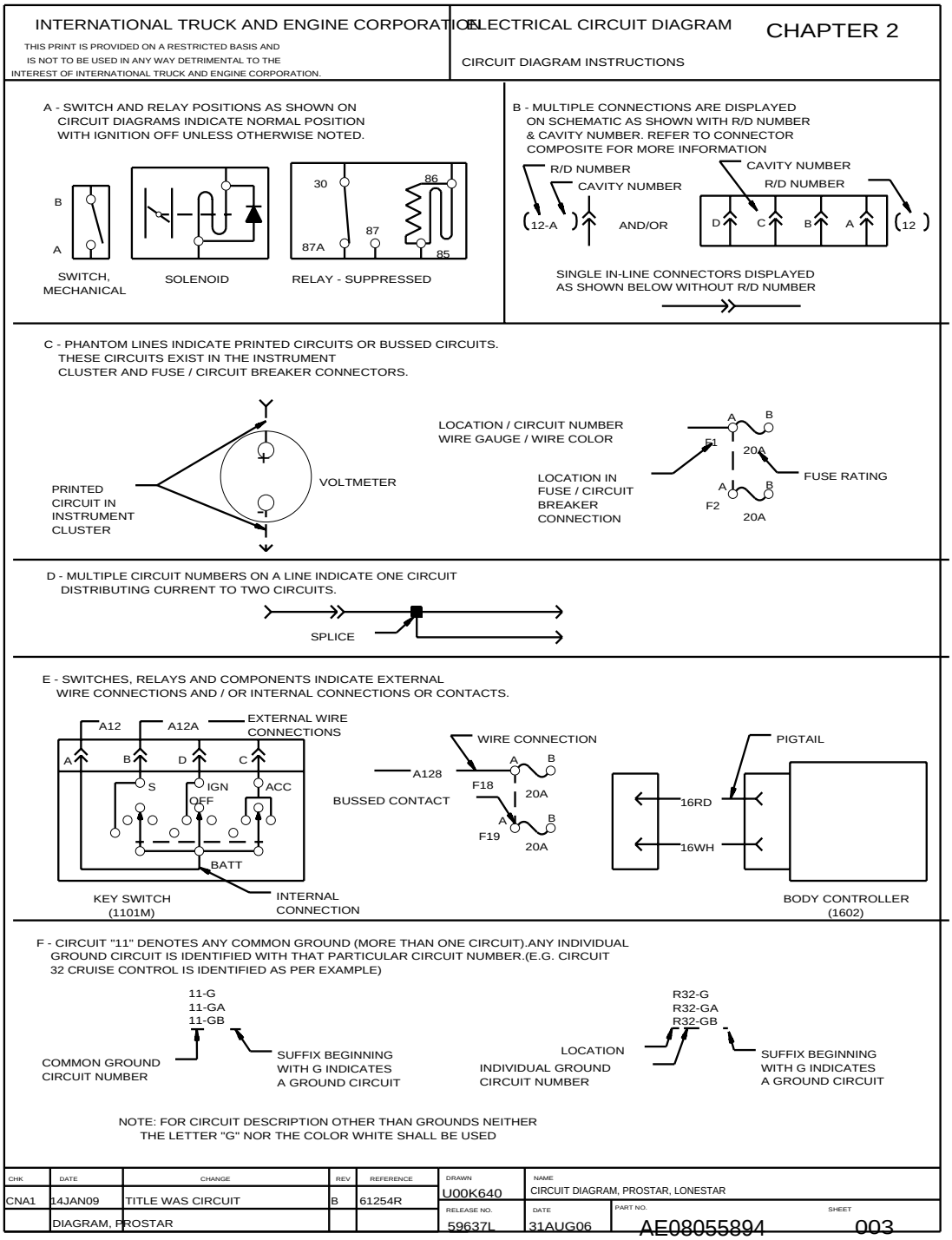

Figure 3 Circuit Diagram Instructions

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2.4. CIRCUIT NUMBER IDENTIFICATION AND COLOR, P. 4

INTERNATIONAL TRUCK AND ENGINE CORPORATION

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ELECTRICAL CIRCUIT DIAGRAM CHAPTER 2

CIRCUIT NUMBER IDENTIFICATION AND COLOR

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	LOW VOLTAGE ELECTRONIC GROUND
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	INSTRUMENTS AND 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	DRAWN	NAME
CNA1	20JAN09	TITLE WAS CIRCUIT	B	61254R	U00K640	CIRCUIT DIAGRAM, PROSTAR, LONESTAR
	DIAGRAM, PROSTAR				RELEASE NO. 59637L	DATE 31AUG06

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Figure 4 Circuit Number Identification and Color

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2.5. CIRCUIT NUMBER IDENTIFICATION AND COLOR (CONT.), P. 5

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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)
57	OR	TURN SIGNAL LIGHTS - RIGHT
	LTGN	TURN SIGNAL LIGHTS - RIGHT (BODY BUILDER CONNECTION)
58	BN	CLEARANCE / IDENTIFICATION LIGHTS
59	GY	SOLENOID
60	OR	HAZARD LIGHTS
61	GY	AIR SUSPENSION
62	DKBL	PANEL LIGHTS
63	DKBL	COURTESY / DOME LIGHTS
64	YL	FOG / DRIVING LIGHTS
65	OR	CAB REAR FLOOD LIGHTS
66	YL	DAYTIME RUNNING LIGHT
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	BACKUP - LIGHTS
	LTBL	BACKUP - 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

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
CNA1	14JAN09	TITLE WAS CIRCUIT	B	61254R	U00K640	CIRCUIT DIAGRAM, PROSTAR, LONESTAR
	DIAGRAM, PROSTAR				RELEASE NO. 59637L	DATE 31AUG06

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Figure 5 Circuit Number Identification and Color (Cont.)

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2.6. CIRCUIT NUMBER IDENTIFICATION AND COLOR (CONT.), P. 6

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ELECTRICAL CIRCUIT DIAGRAM CHAPTER 2

CIRCUIT NUMBER IDENTIFICATION AND COLOR (CONT)

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
CNA1	14JAN09	TITLE WAS CIRCUIT	B	61254R	U00K640	CIRCUIT DIAGRAM, PROSTAR, LONESTAR
		DIAGRAM, PROSTAR			RELEASE NO. 59637L	DATE 31AUG06

PART NO. AE08055894 SHEET 006

Figure 6 Circuit Number Identification and Color (Cont.)

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2.7. LAMP BULB CHART, P. 7

INTERNATIONAL TRUCK AND ENGINE CORPORATION

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ELECTRICAL CIRCUIT DIAGRAM

LAMP BULB CHART

CHAPTER 2

BULB APPLICATION	CANDLE POWER OR WATT	BULB TRADE NUMBER
BACK-UP LIGHT (SUPER 40)	32 CP	TL40204
CLEARANCE & IDENTIFICATION	3 CP	N/A
COURTESY LIGHT	2 CP	193
CAB DOME LIGHT	12 WATT	211-2
SLEEPER DOME LIGHT (FLUORESCENT)	15 WATT	F15T8CW
FOG LIGHT	100 WATT	4921-1
MAP LIGHT	3 CP	211-2
SIDE MARKER / TURN LIGHT	27 WATT	3156
STOP, TURN AND TAIL LIGHT (SUPER 40)	32/2 CP	TL40248R
HEADLIGHTS, HIGH BEAM	65 WATT	9005
HEADLIGHTS, LOW BEAM	55 WATT	9006
FRONT MARKER / TURN LIGHT	27 / 8 WATT	3357AK
SIDE MARKER (FRONT)	4 WATT	194
LICENSE PLATE LIGHT (SUPER 40)	2 CP	TL1508
BOC WORK LIGHT (DAY CAB)	35 WATT	4411
WORK LIGHTS (IN SLEEPER BACK PANEL)	15 CP	1003
LUGGAGE COMPARTMENT LIGHT	12 WATT	211-2
READING LIGHT	15 CP	912
ACCENT LIGHT	12 WATT	211-2
SLEEPER FLOOR LIGHT	2 CP	193
CABINET / WARDROBE LIGHT	5 WATT	7575

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
CNA1	14JAN09	TITLE WAS CIRCUIT	B	61254R	U00K640	CIRCUIT DIAGRAM, PROSTAR, LONESTAR
	DIAGRAM, PROSTAR				RELEASE NO. 59637L	DATE 31AUG06

PART NO. AE08055894 SHEET 007

Figure 7 Lamp Bulb Chart

https://truckmanualshub.com/

2.8. RELAY FUNCTION AND WIRING GUIDE, P. 8

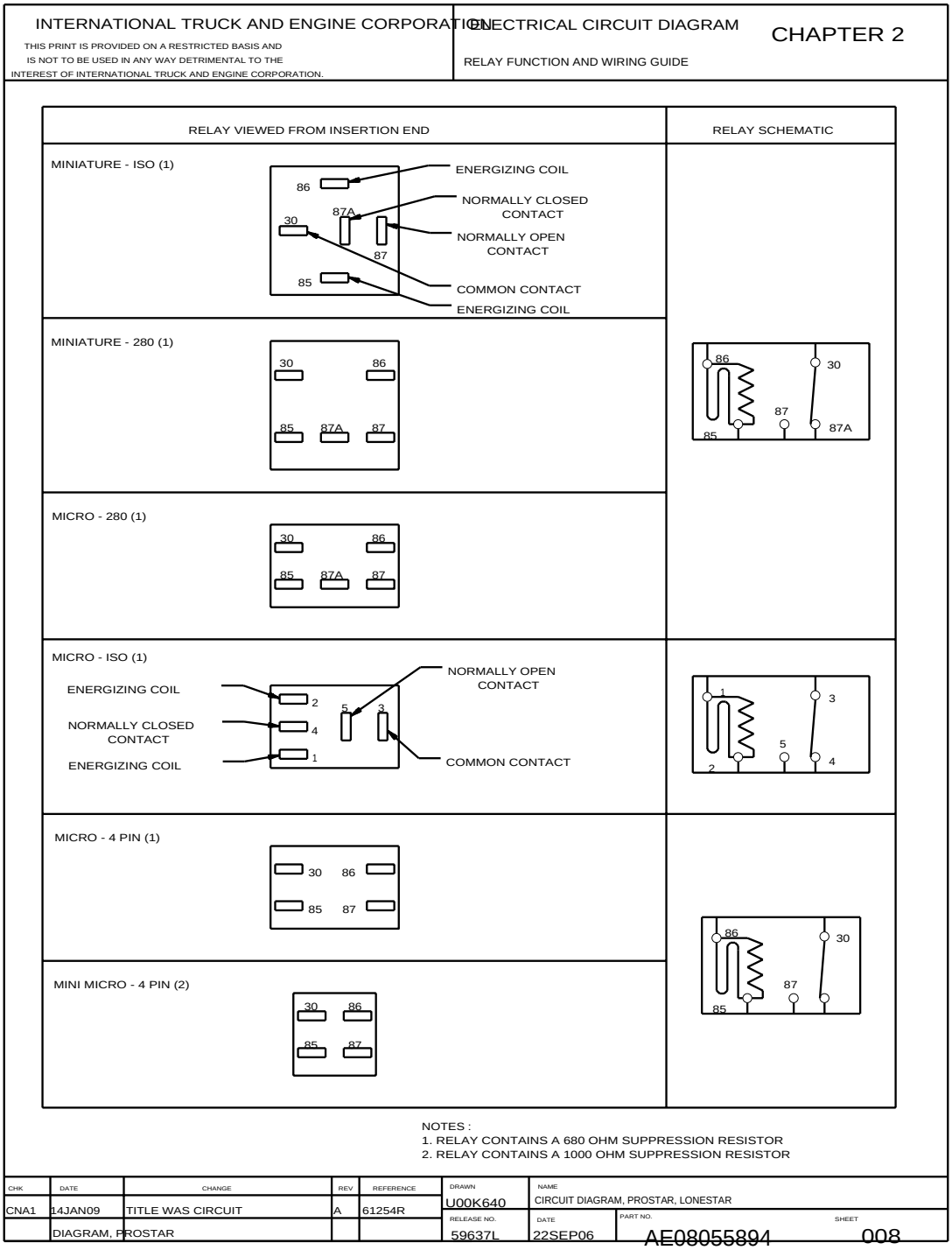

Figure 8 Relay Function and Wiring Guide

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2.9. SCHEMATIC SYMBOL CHART, P. 9

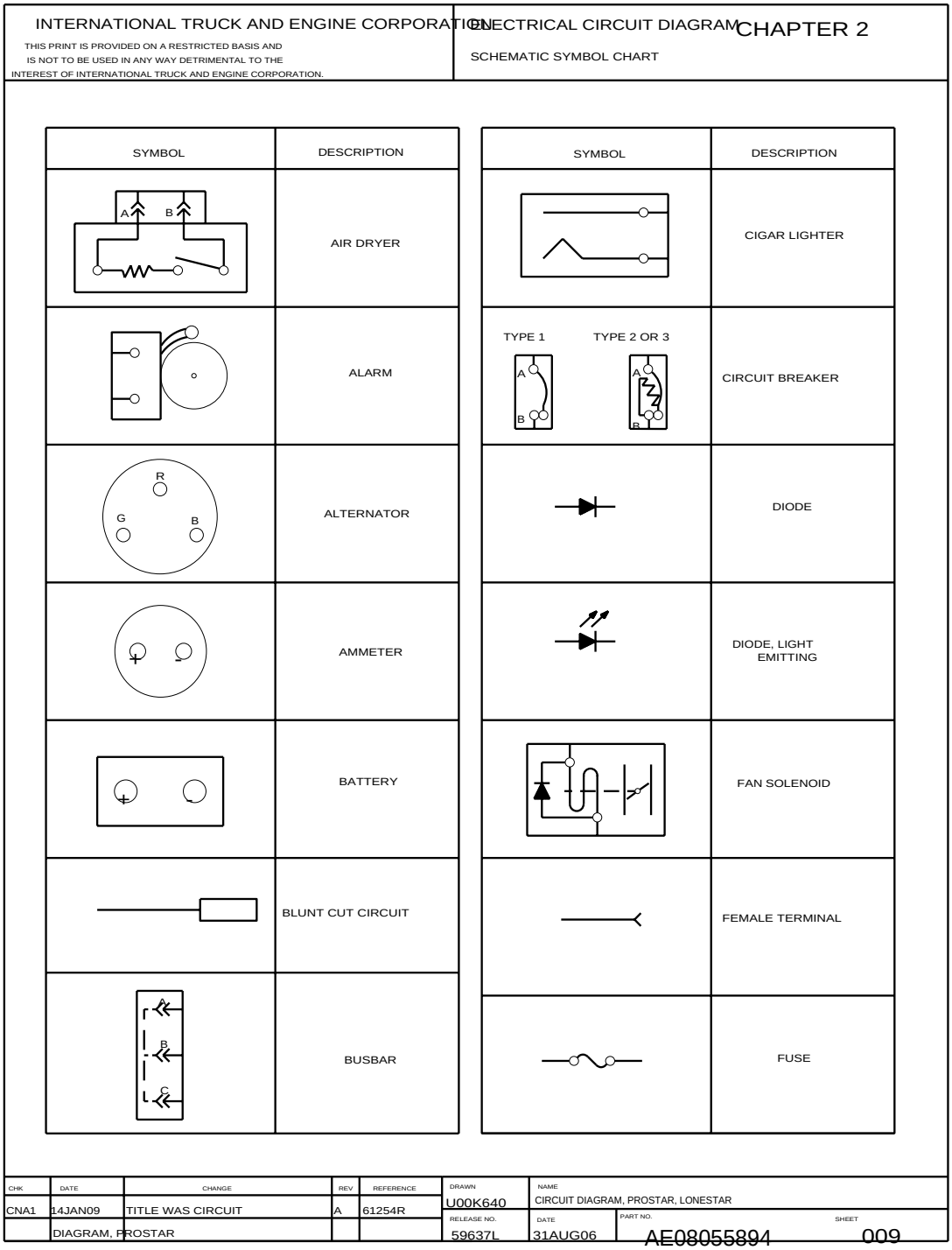

Figure 9 Schematic Symbol Chart

https://truckmanualshub.com/

2.10. SCHEMATIC SYMBOL CHART (CONT.), P. 10

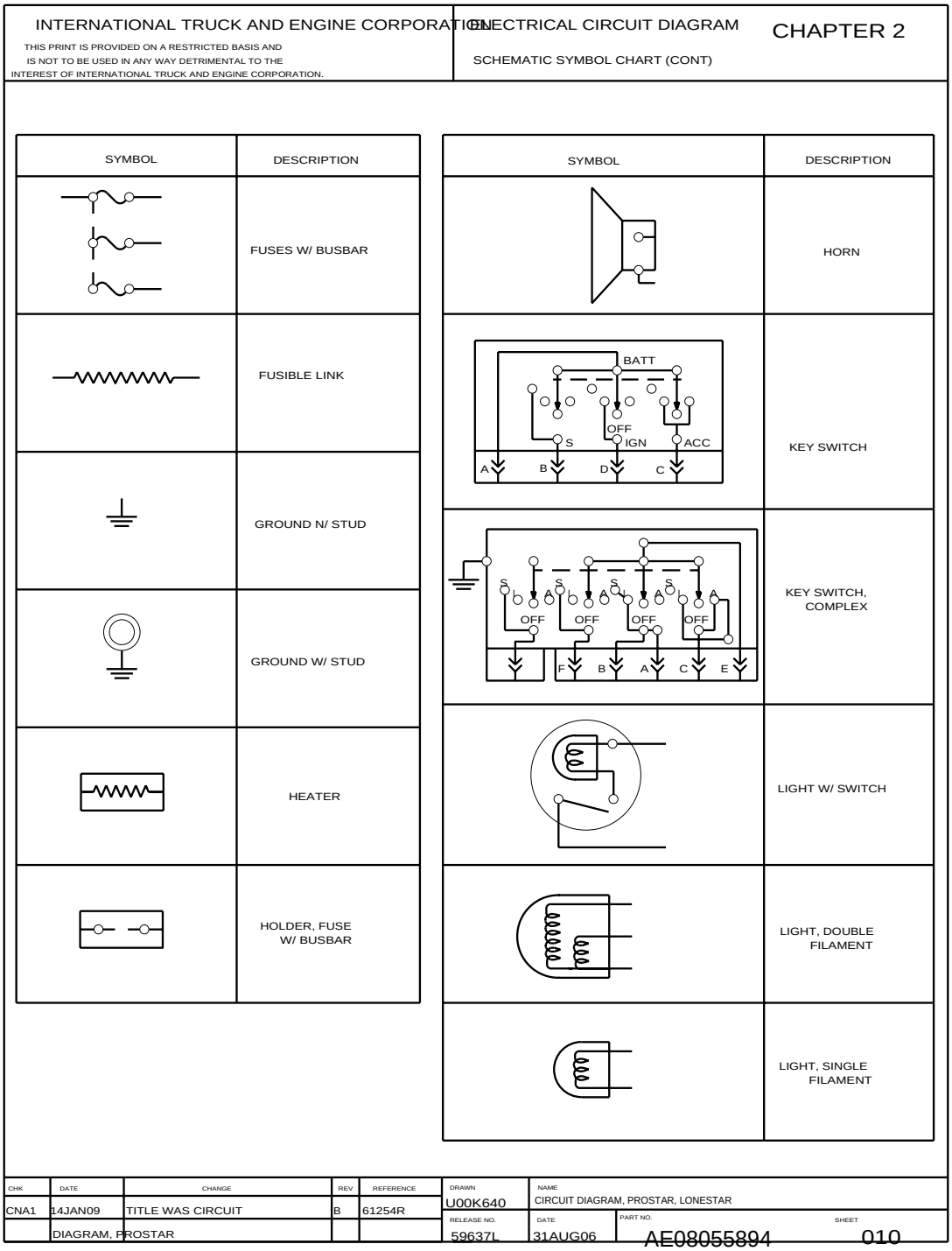

Figure 10 Schematic Symbol Chart (Cont.)

https://truckmanualshub.com/

2.11. SCHEMATIC SYMBOL CHART (CONT.), P. 11

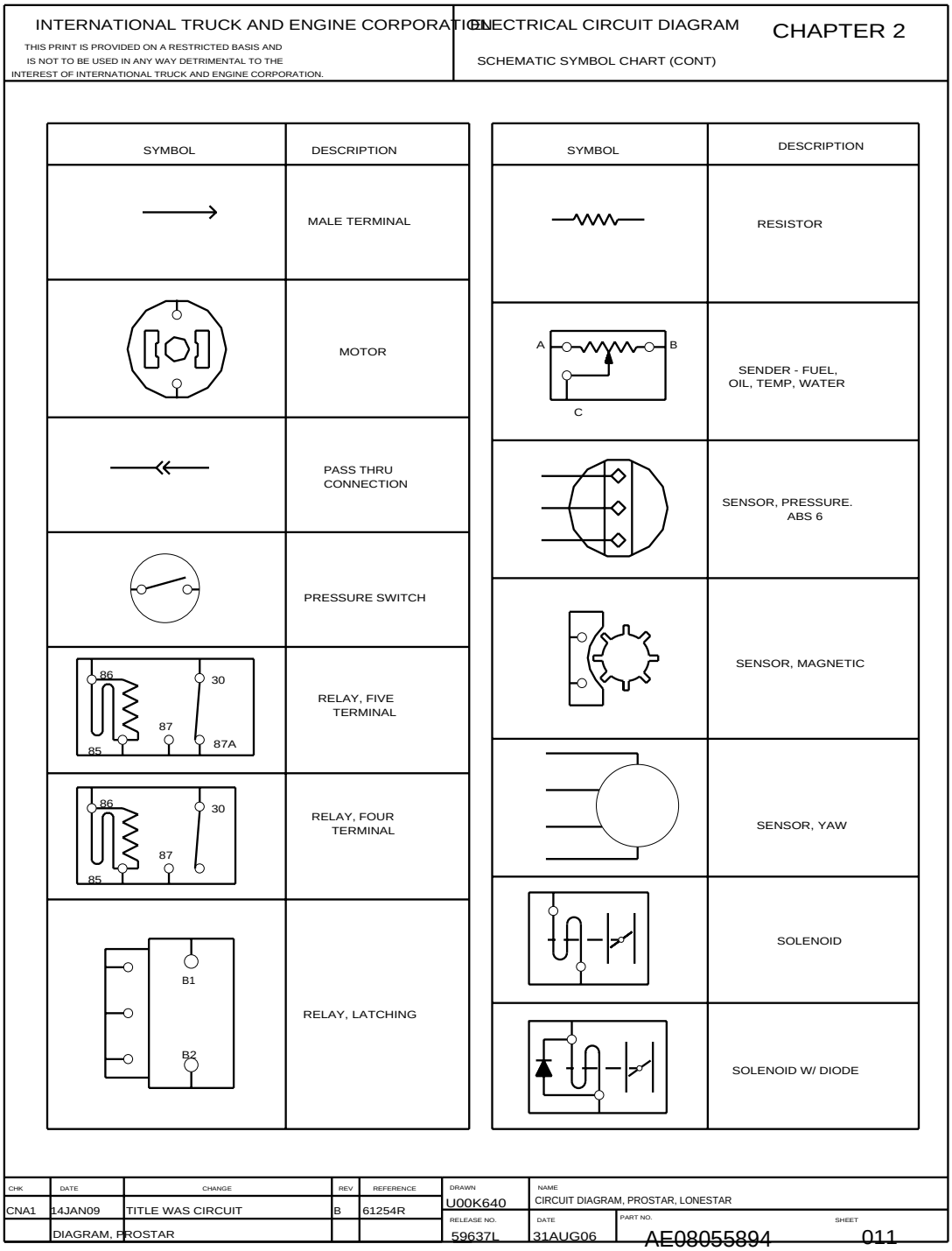

Figure 11 Schematic Symbol Chart (Cont.)

https://truckmanualshub.com/

2.12. SCHEMATIC SYMBOL CHART (CONT.), P. 12

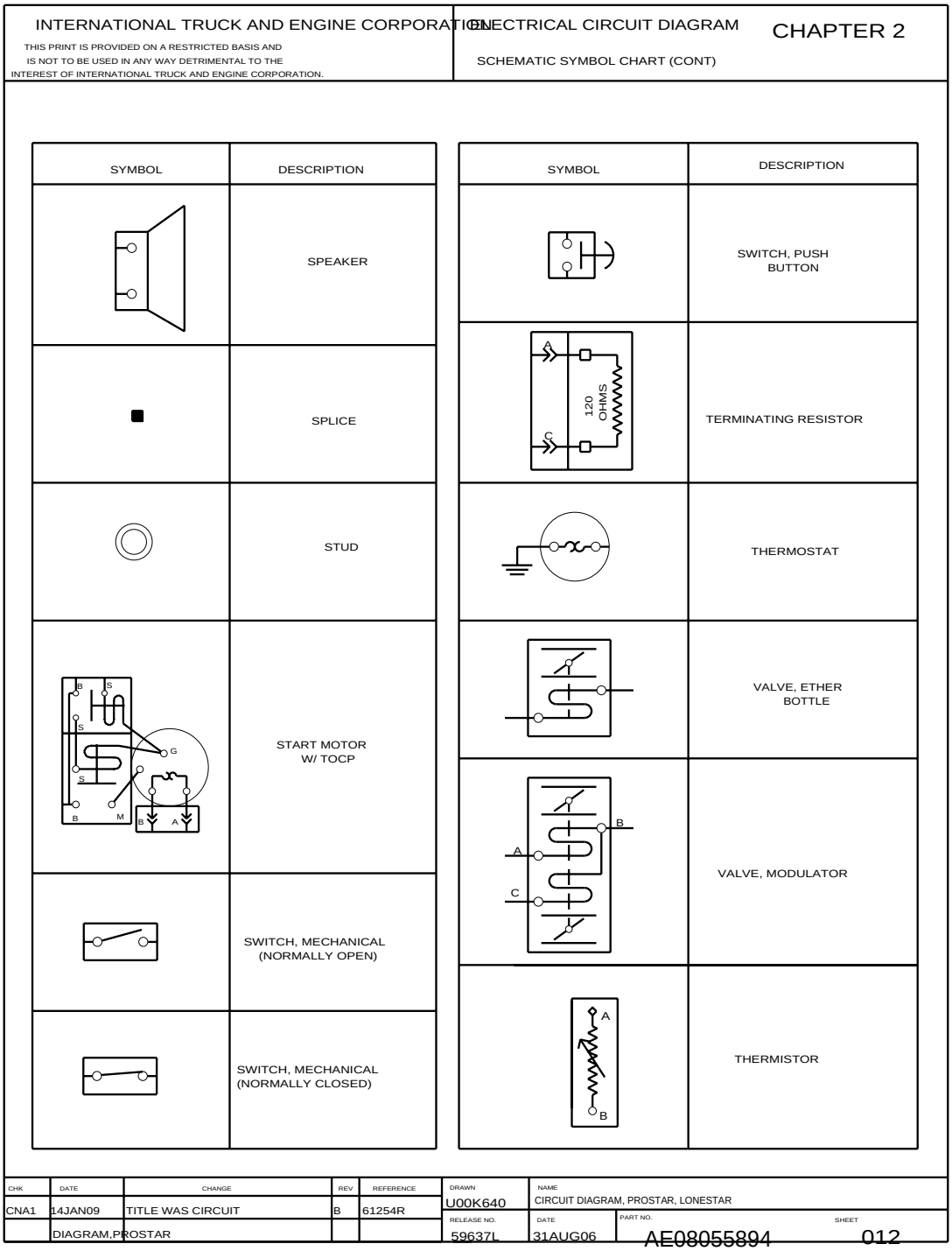

Figure 12 Schematic Symbol Chart (Cont.)

https://truckmanualshub.com/

3. 12 VOLT POWER DISTRIBUTION CIRCUIT DIAGRAMS (CHAPTER 3)

3.1. BATTERY FEED, P. 1

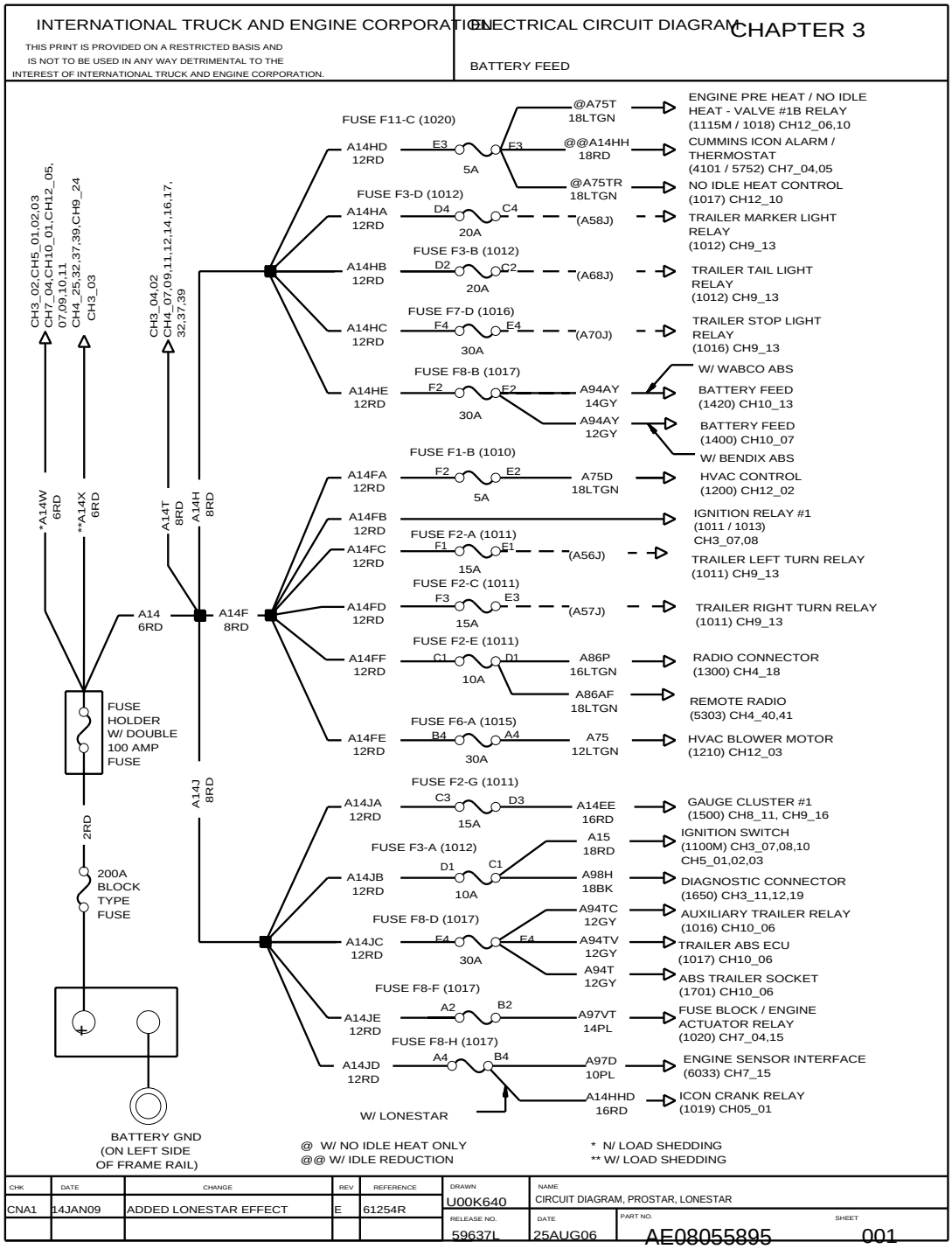

Figure 13 Battery Feed

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3.2. BATTERY FEED (CONT.), P. 2

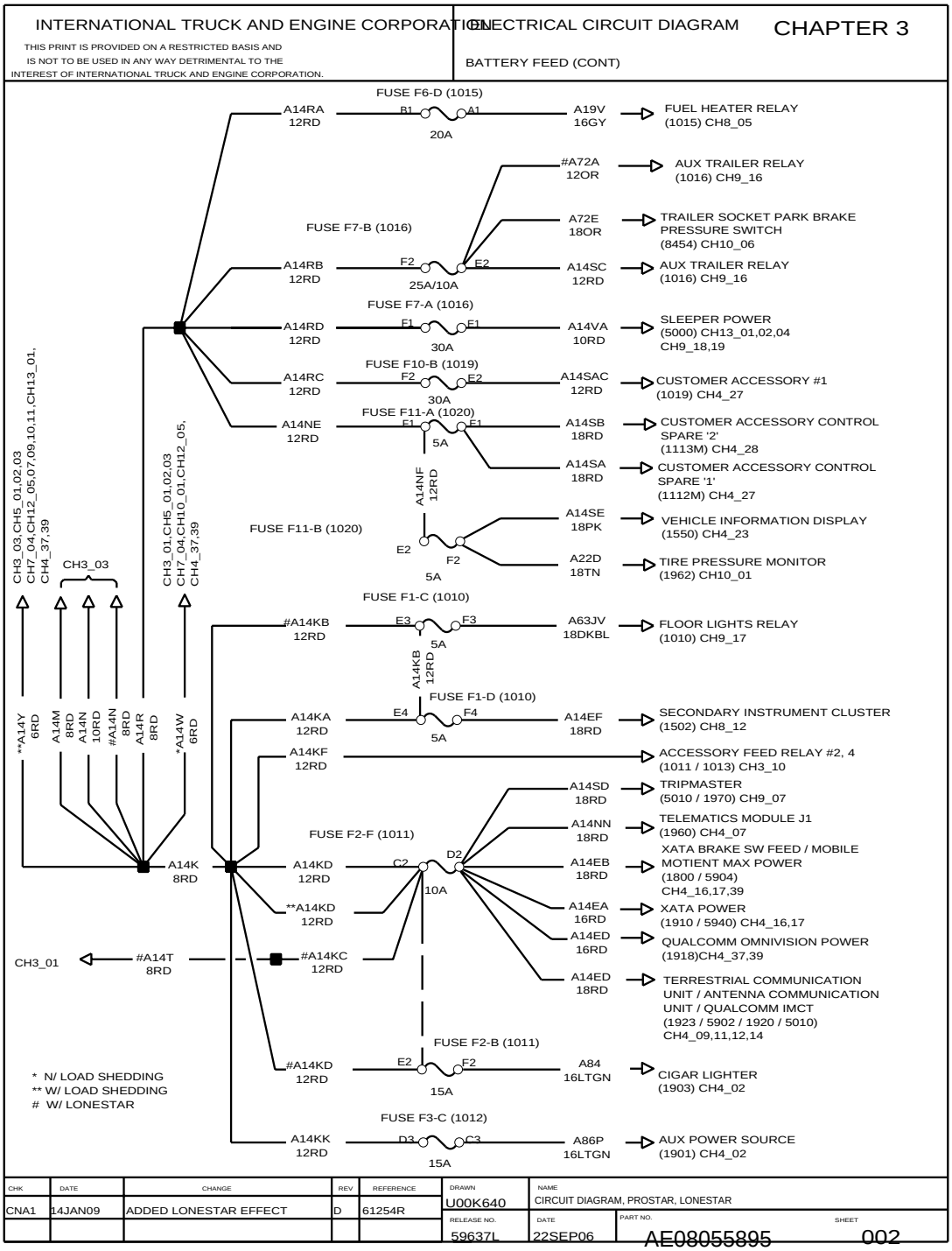

Figure 14 Battery Feed (Cont.)

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3.3. BATTERY FEED (CONT.), P. 3

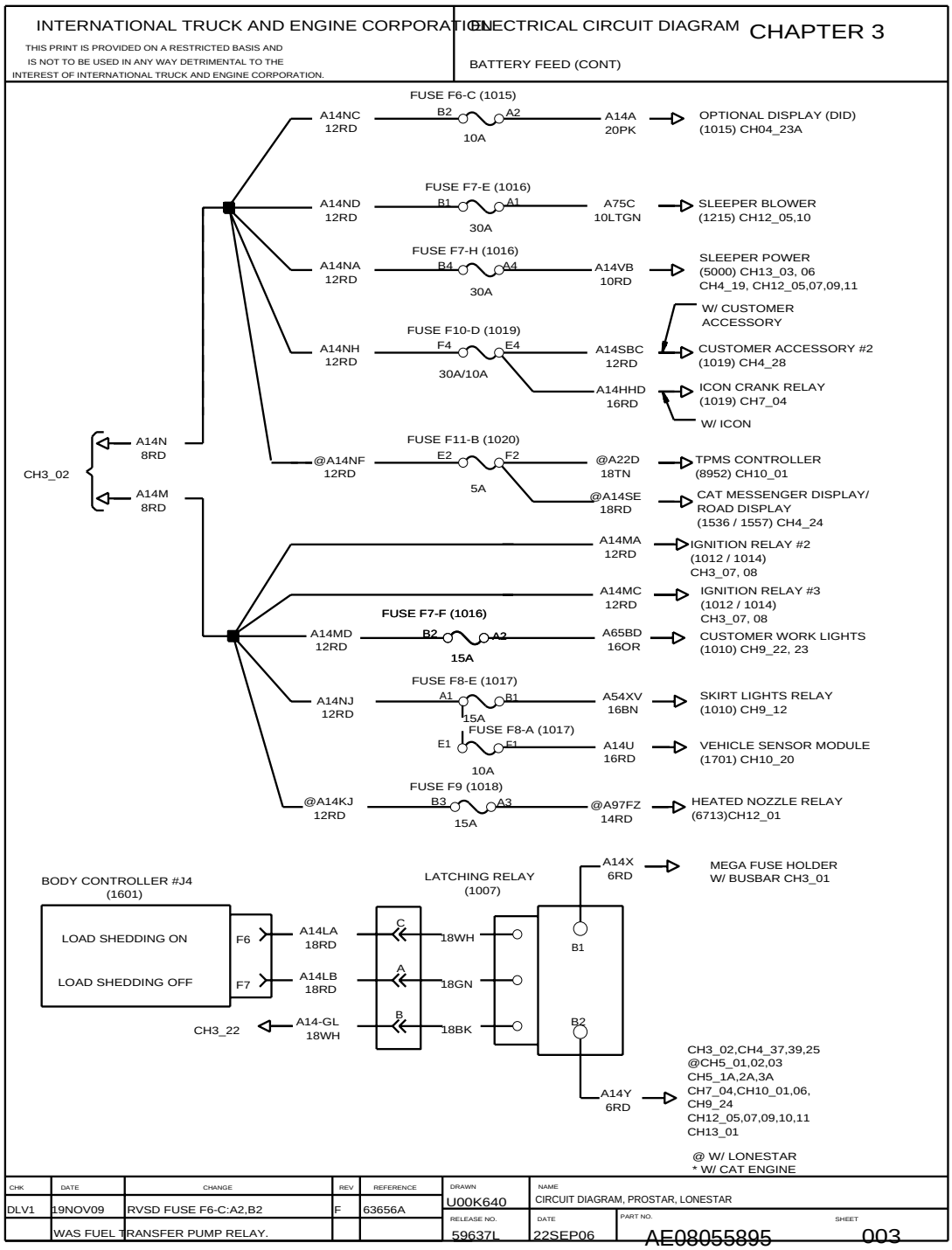

Figure 15 Battery Feed (Cont.)

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3.4. BATTERY FEED (CONT.), P. 4

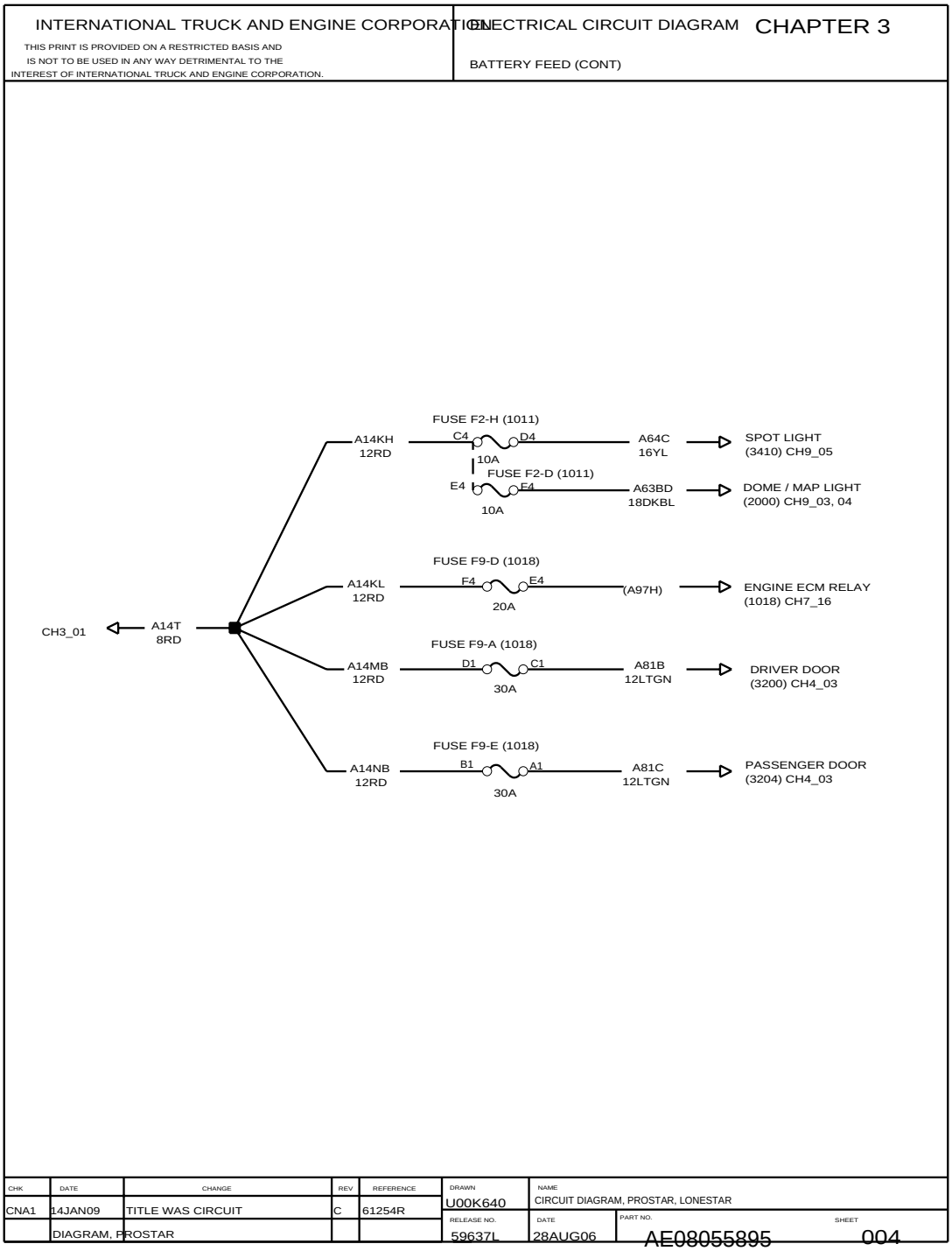

Figure 16 Battery Feed (Cont.)

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3.5. BLANK PAGE, P. 5

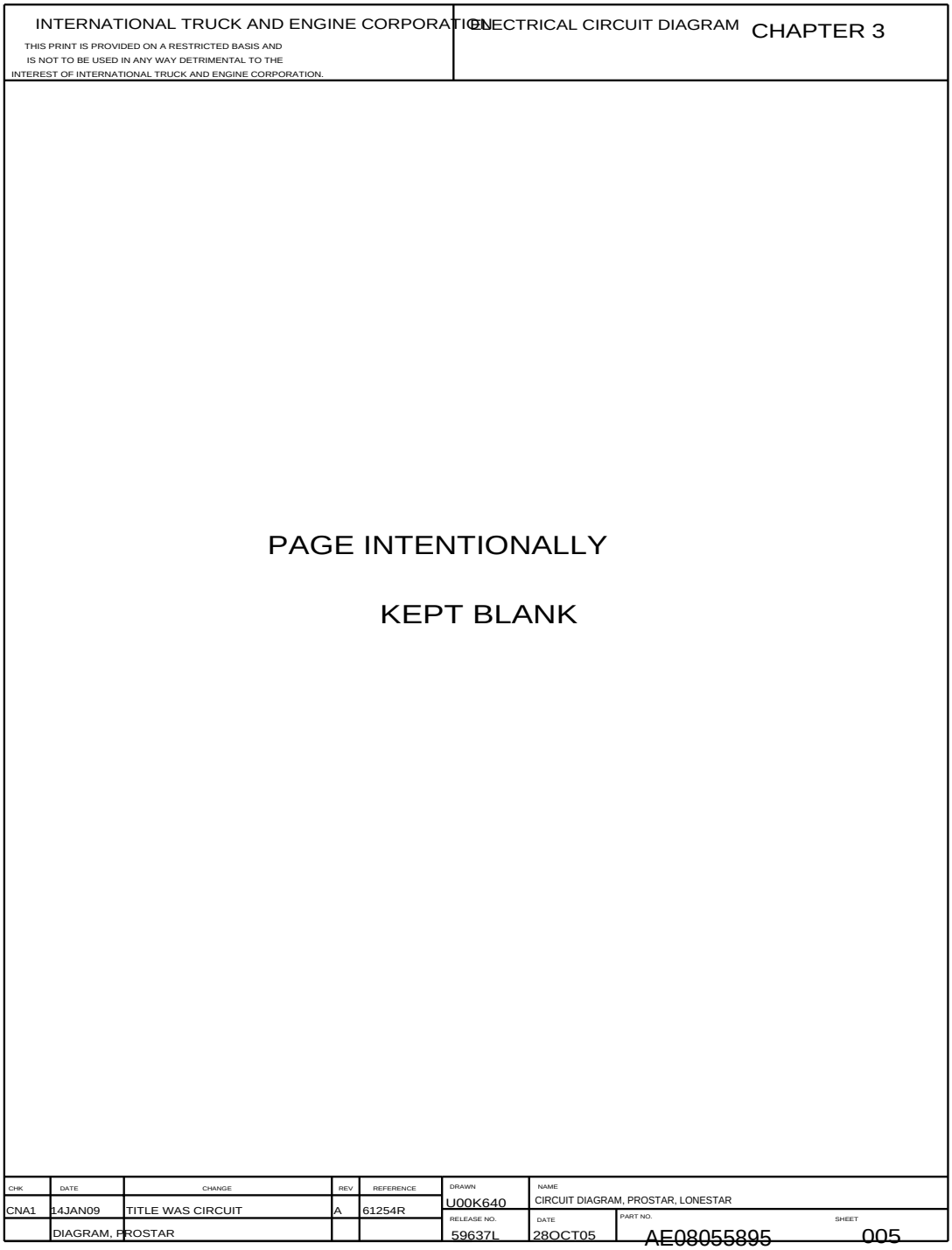

Figure 17 Blank Page

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3.6. BLANK PAGE, P. 6

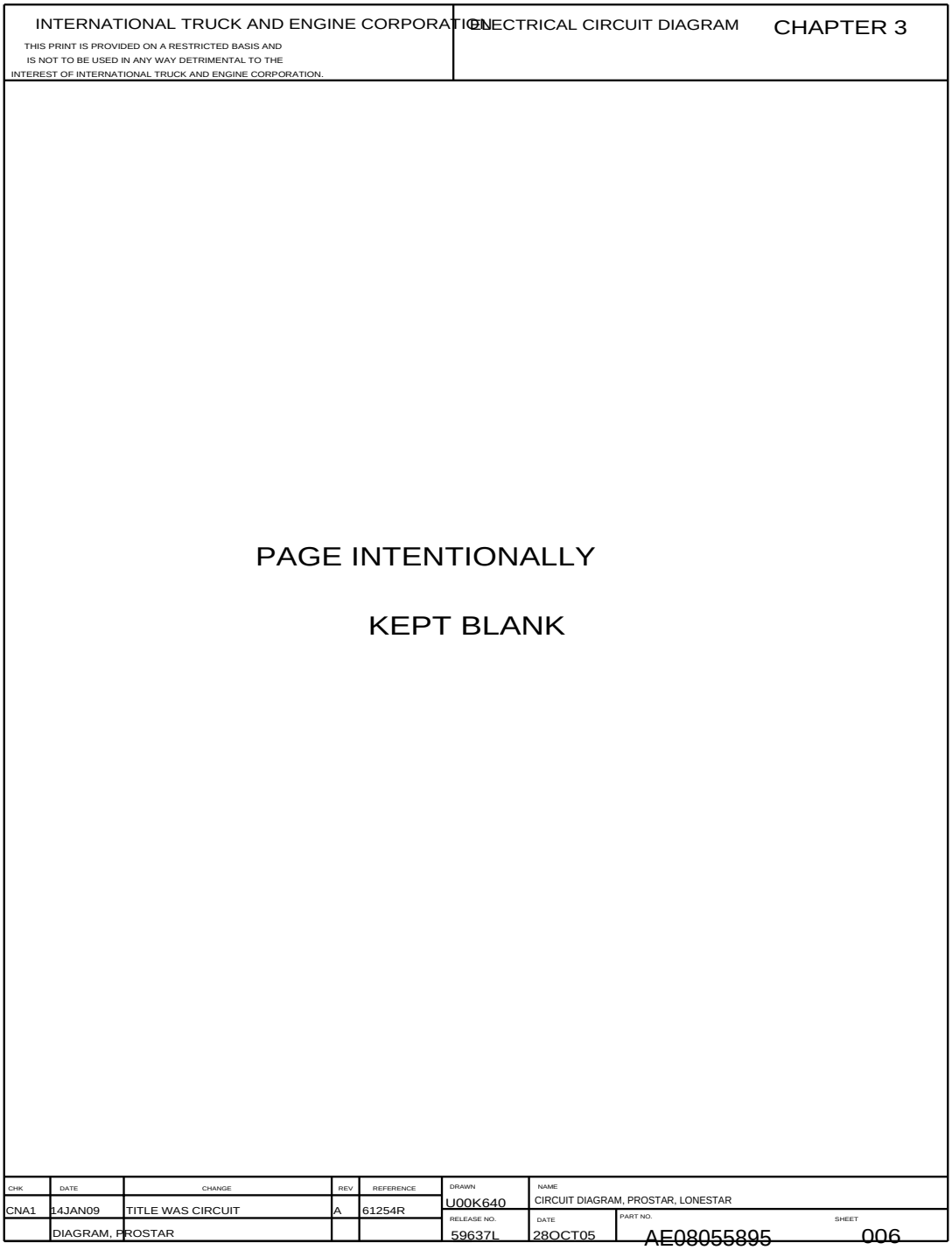

Figure 18 Blank Page

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3.7. IGNITION FEED — STANDARD AND REMOTE START/STOP, P. 7

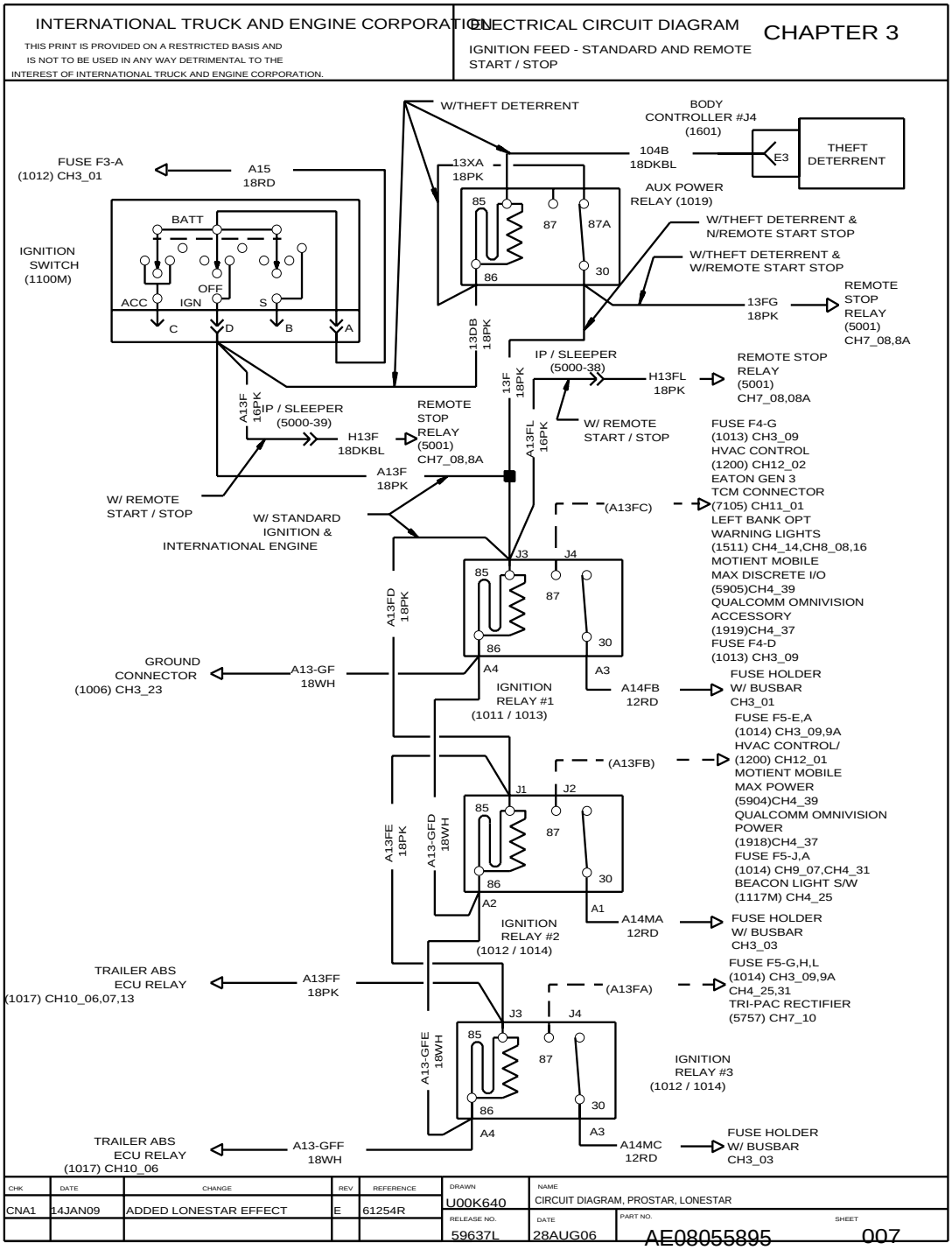

Figure 19 Ignition Feed — Standard and Remote Start/Stop

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3.8. IGNITION FEED — ICON, P. 8

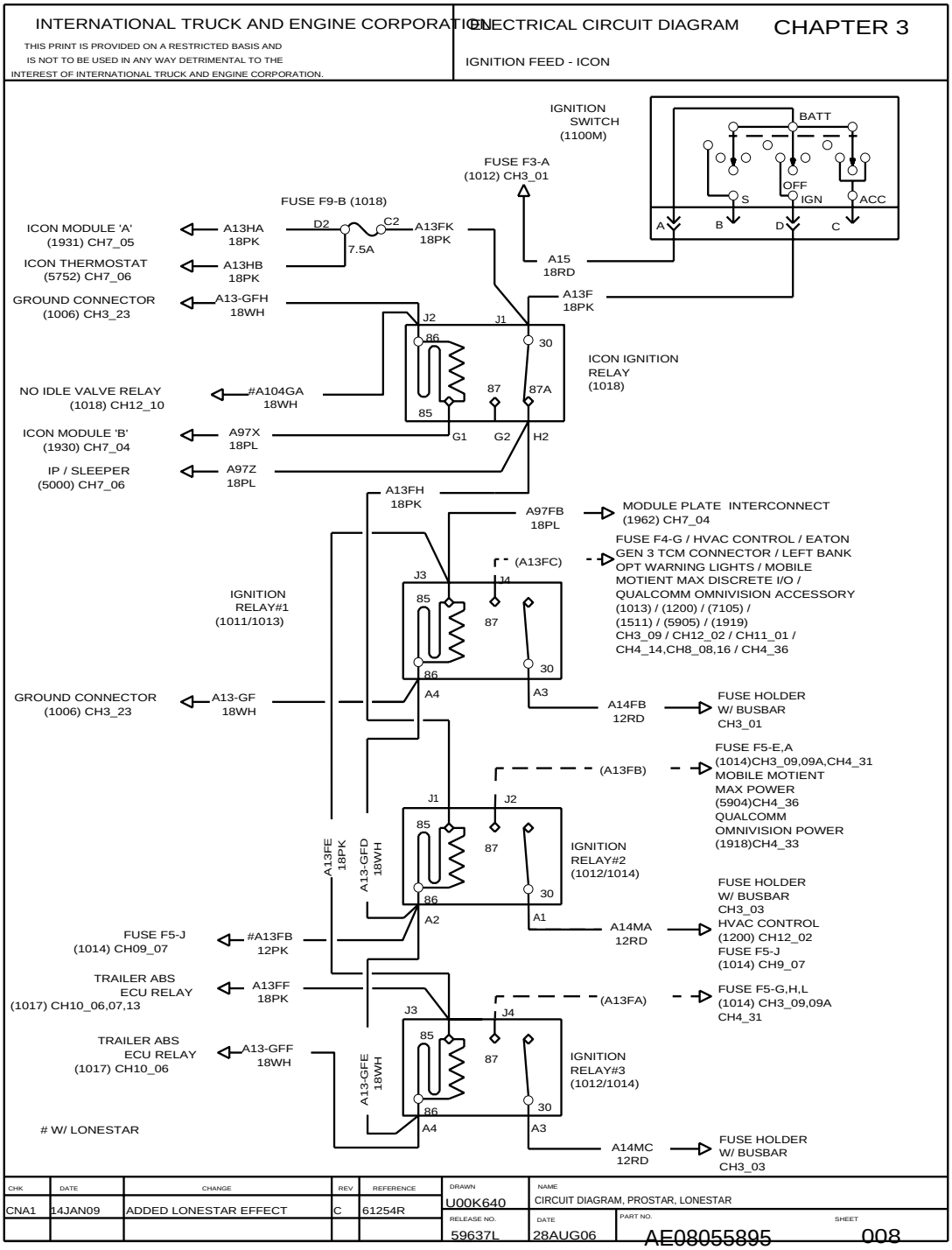

Figure 20 Ignition Feed — ICON

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3.9. IGNITION FEED — STANDARD, P. 9

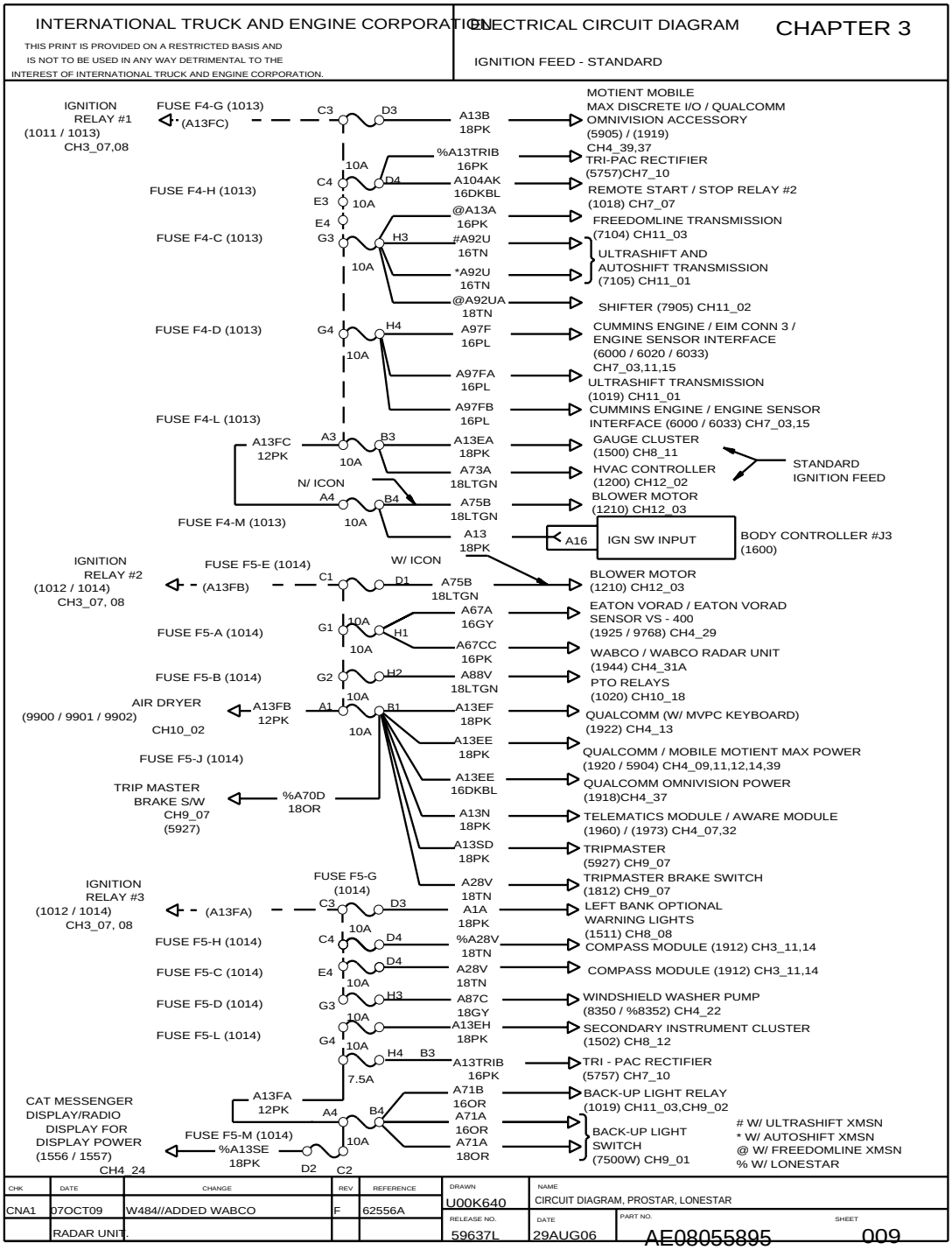

Figure 21 Ignition Feed — Standard

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3.10. IGNITION FEED — STANDARD (LONESTAR), P. 9A

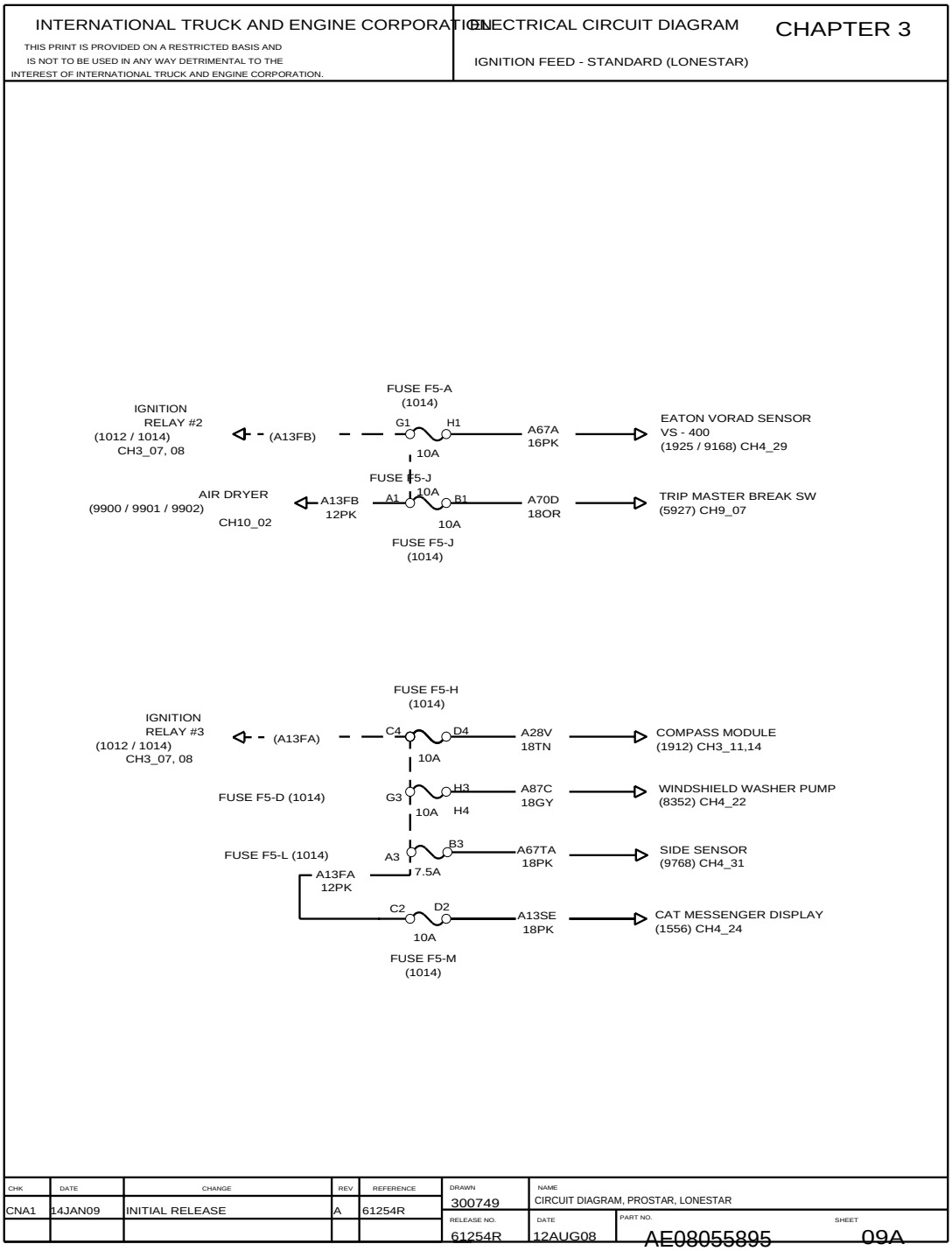

Figure 22 Ignition Feed — Standard (LoneStar)

https://truckmanualshub.com/

3.11. ACCESSORY FEED, P. 10

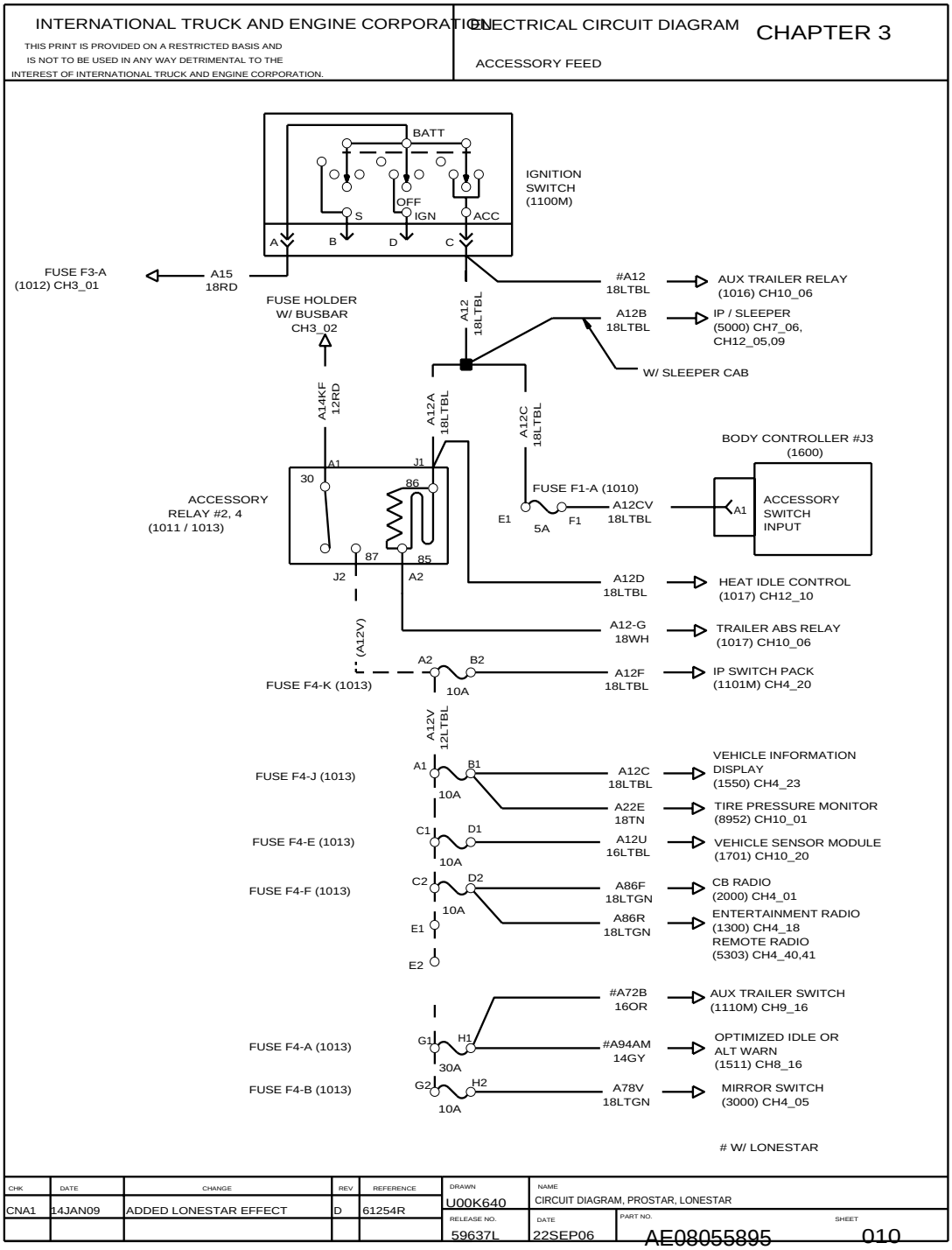

Figure 23 Accessory Feed

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3.12. CAB J1939 COMPASS AND ABS EFFECTS, P. 11

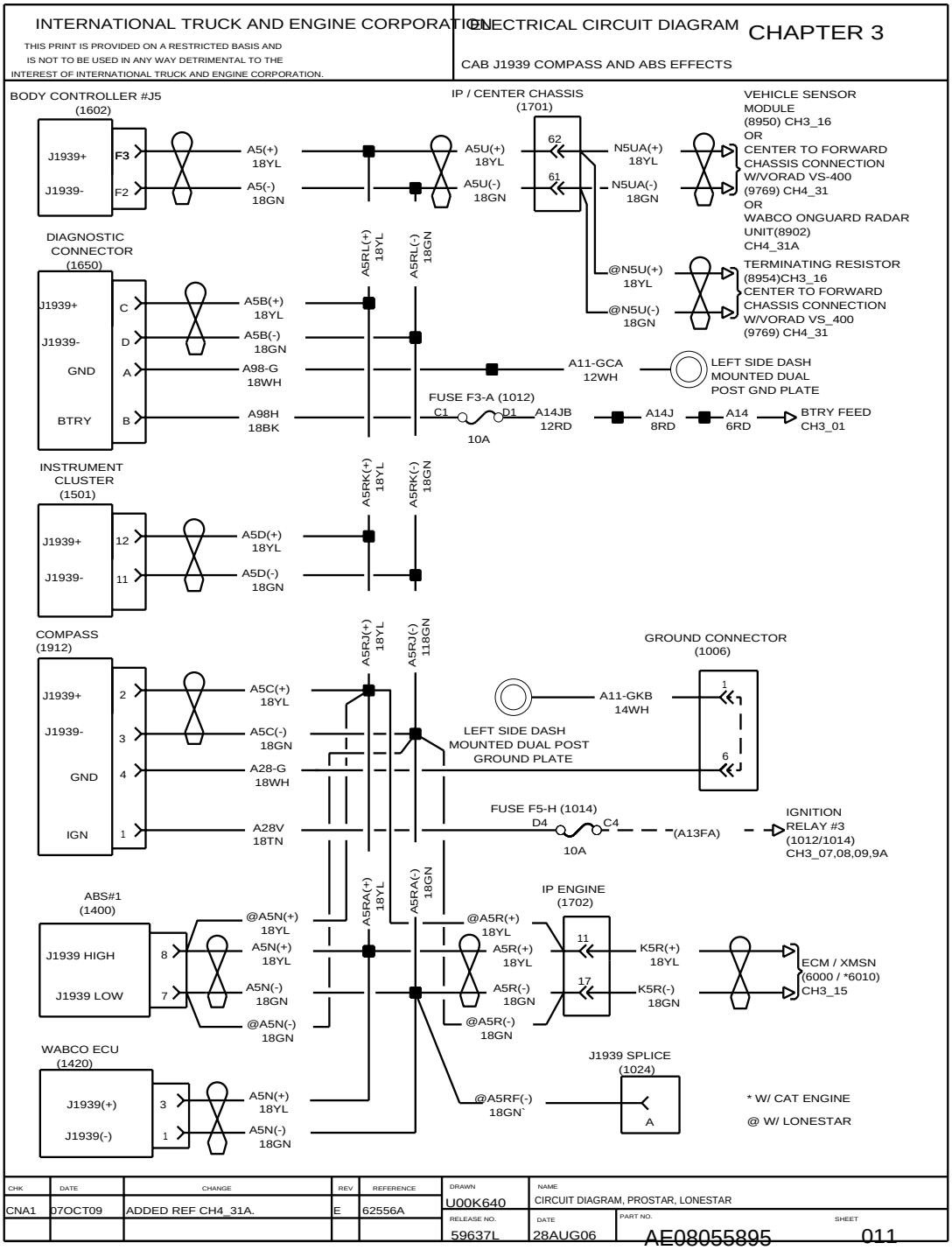

Figure 24 Cab J1939 COMPASS and ABS Effects

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3.13. CAB J1939 WITH ALL OPTIONS, P. 12

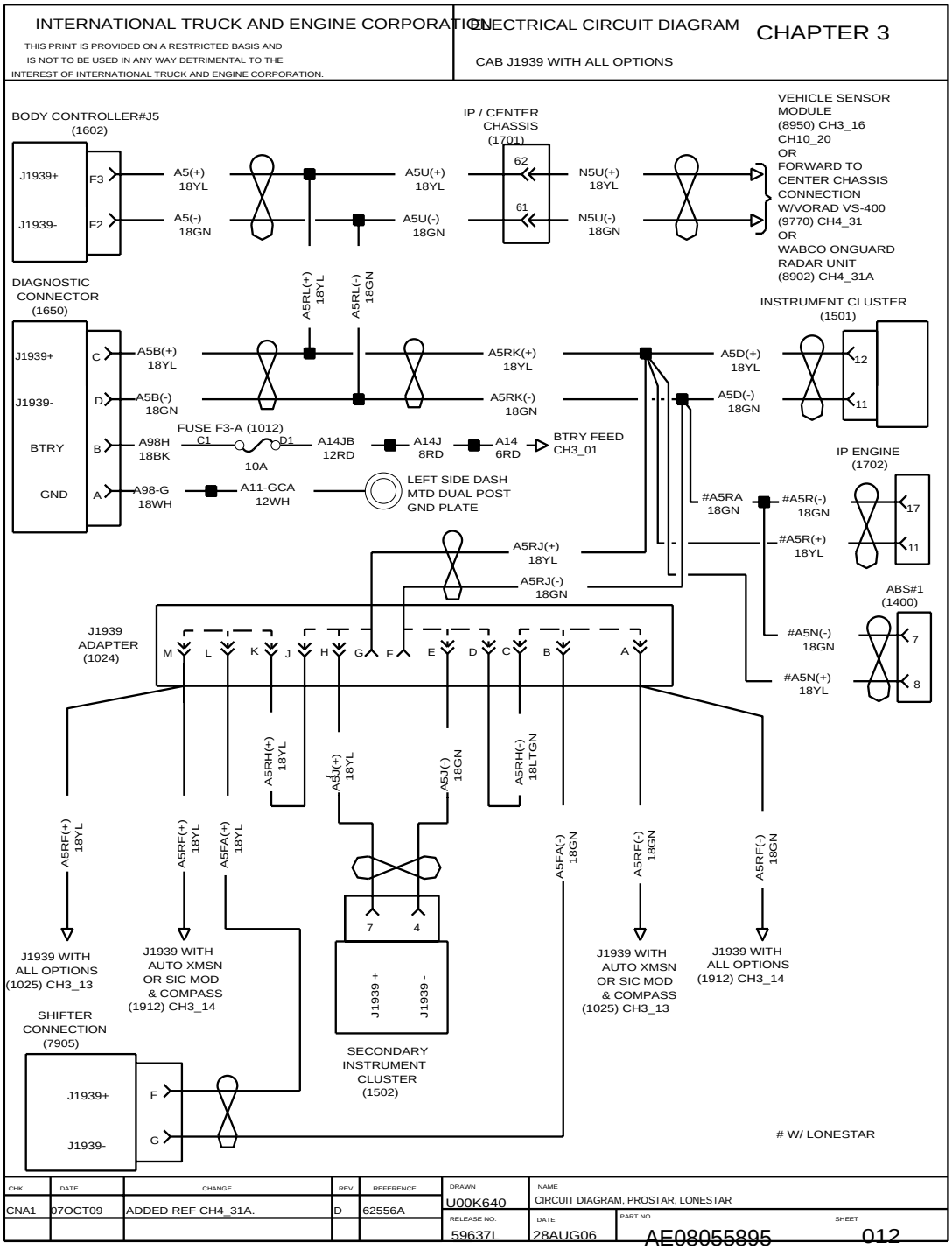

Figure 25 Cab J1939 with All Options

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3.14. CAB J1939 WITH ALL OPTIONS, P. 13

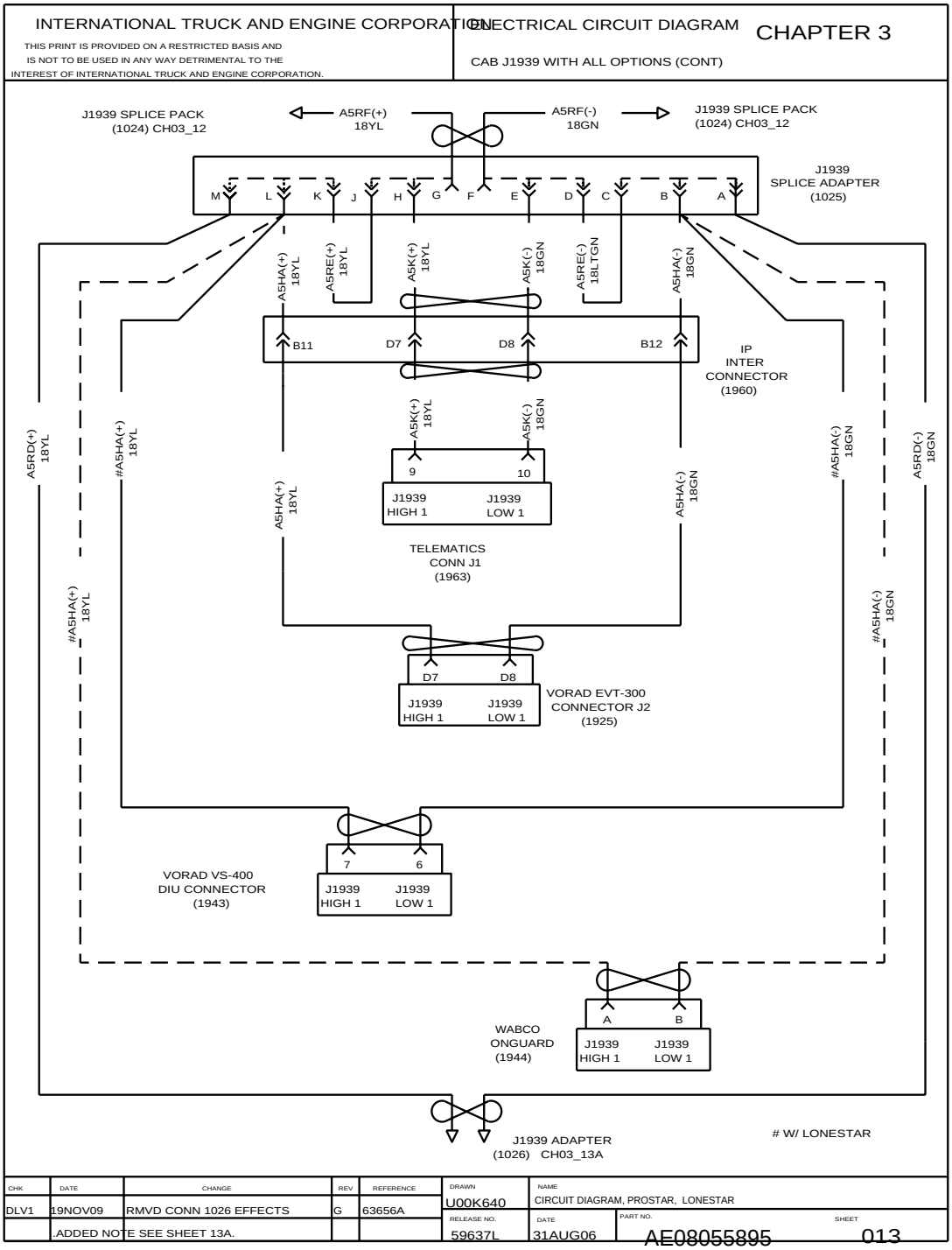

Figure 26 Cab J1939 with All Options

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3.15. CAB J1939 WITH ALL OPTIONS, P. 13A

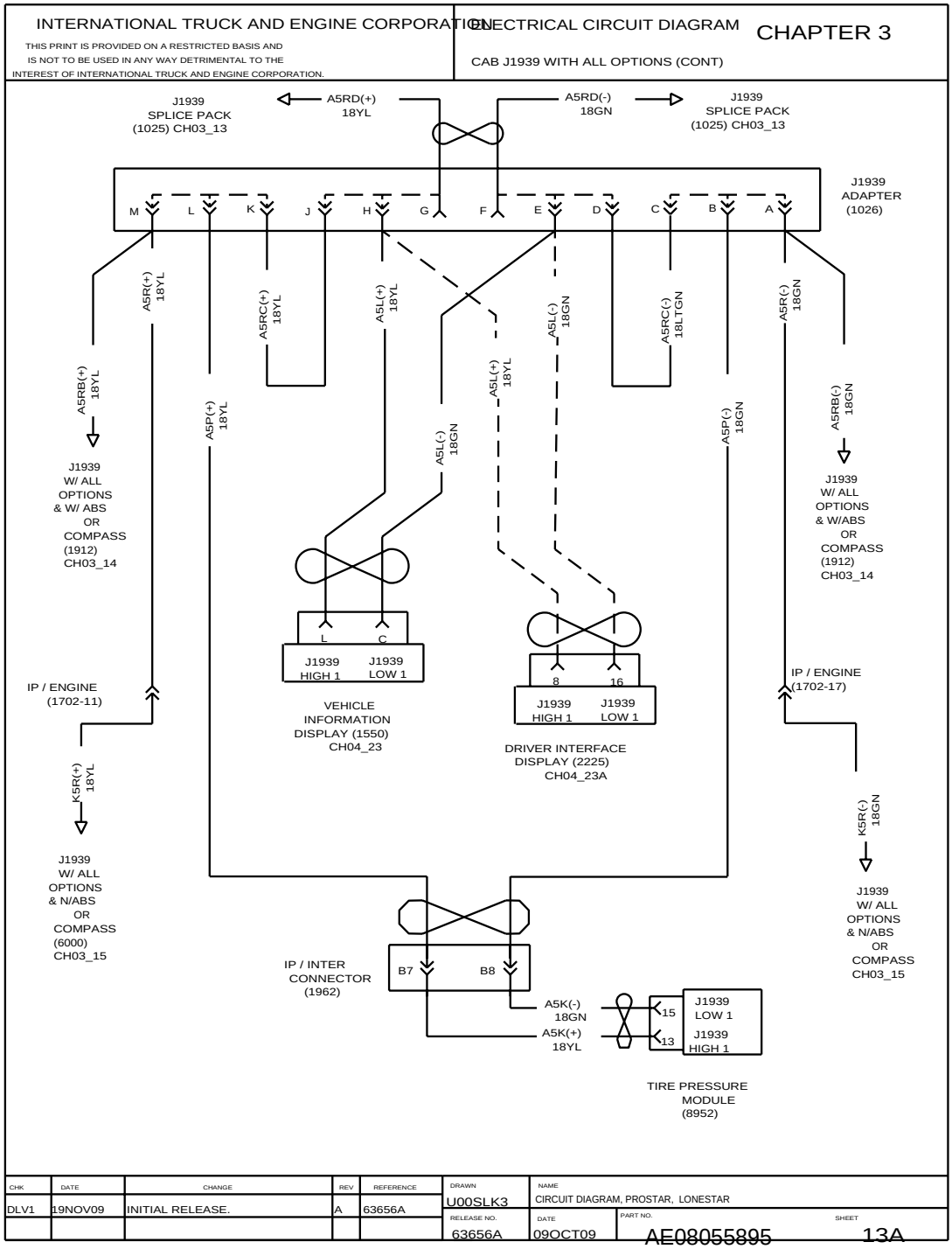

Figure 27 Cab J1939 with All Options

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3.16. CAB J1939 WITH ALL OPTIONS, P. 14

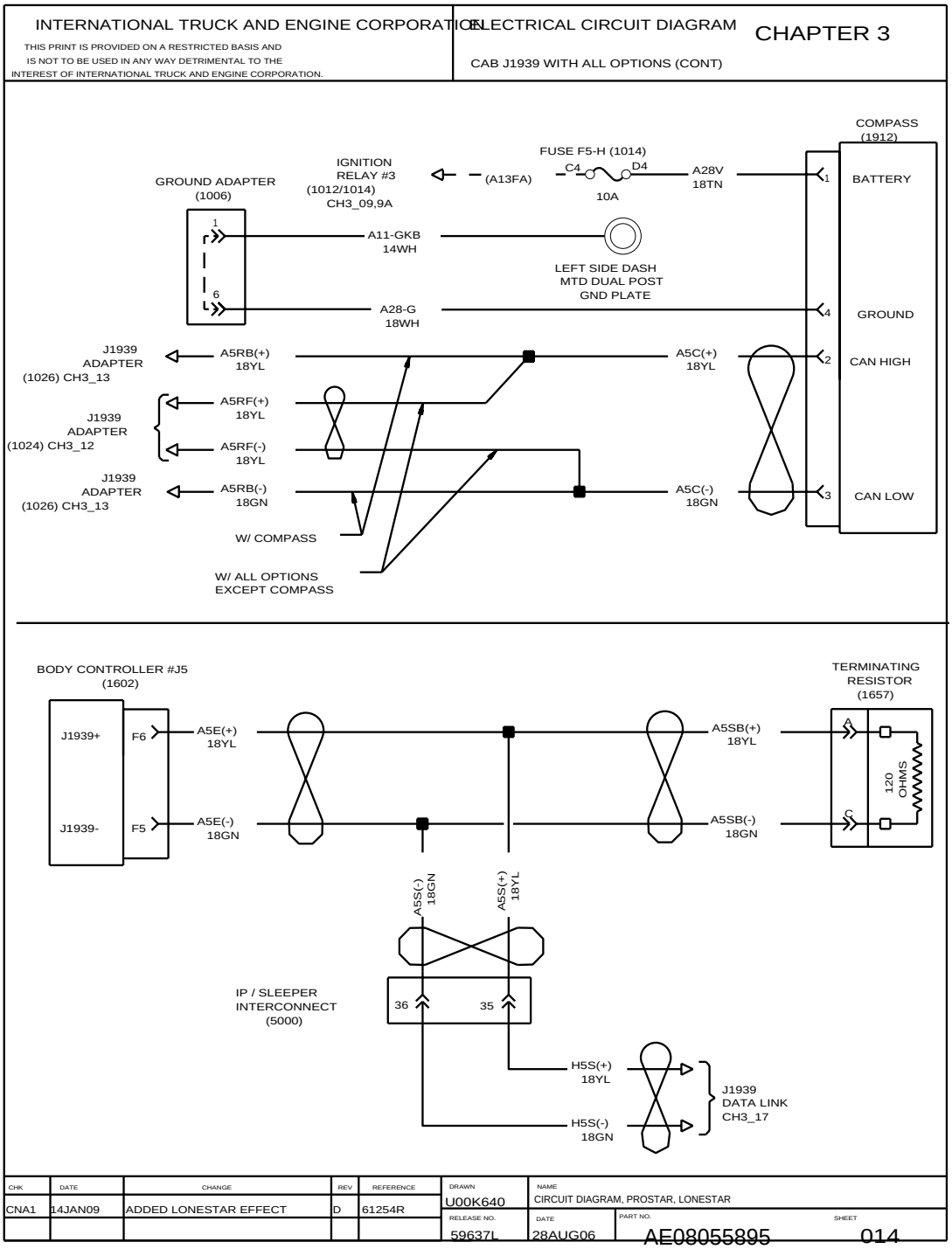

Figure 28 Cab J1939 with All Options

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3.17. J1939 ENGINE, P. 15

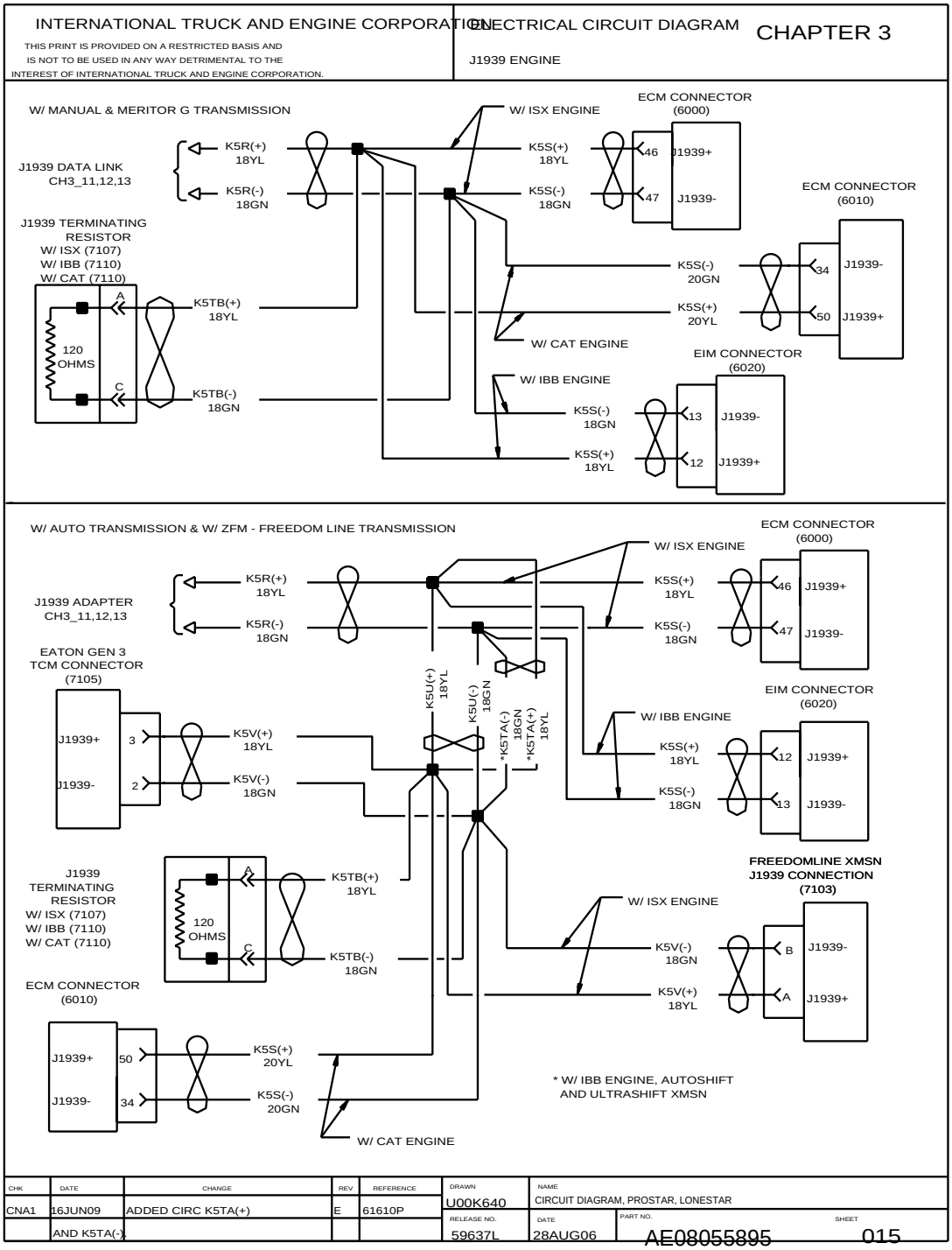

Figure 29 J1939 Engine

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3.18. J1939 CHASSIS, P. 16

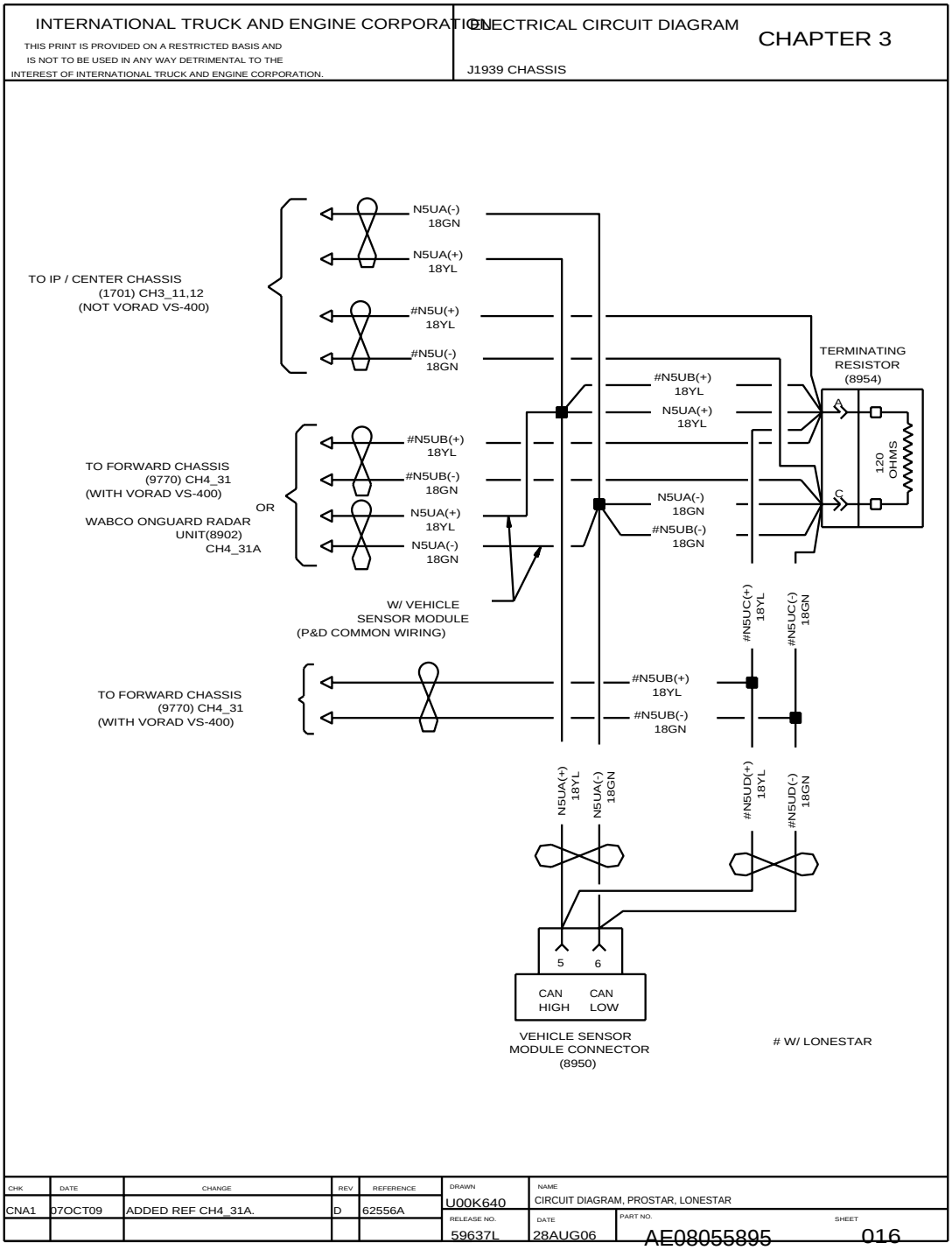

Figure 30 J1939 Chassis

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3.19. J1939 WITH SLEEPER, P. 17

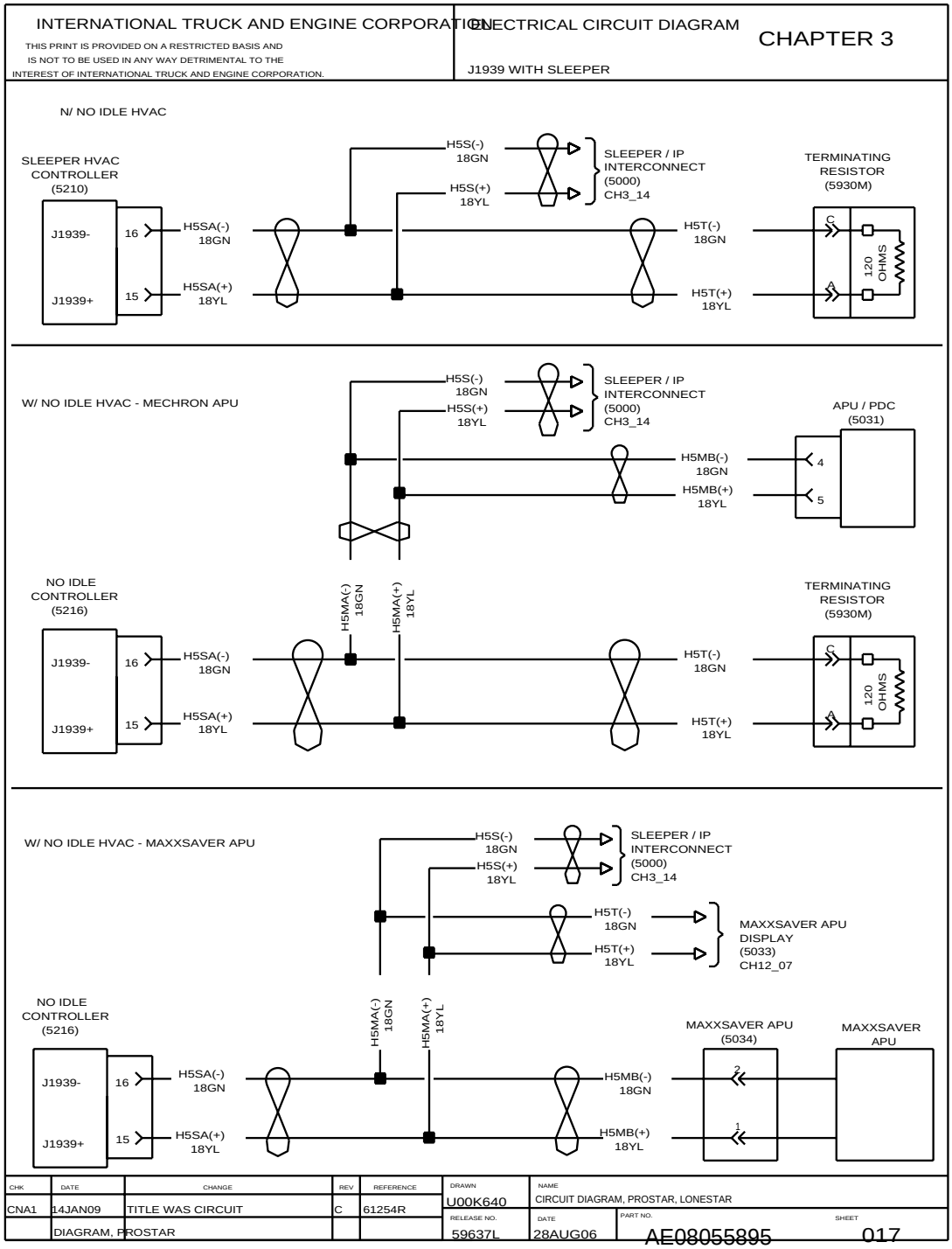

Figure 31 J1939 with Sleeper

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3.20. J1708 PRIVATE, P. 18

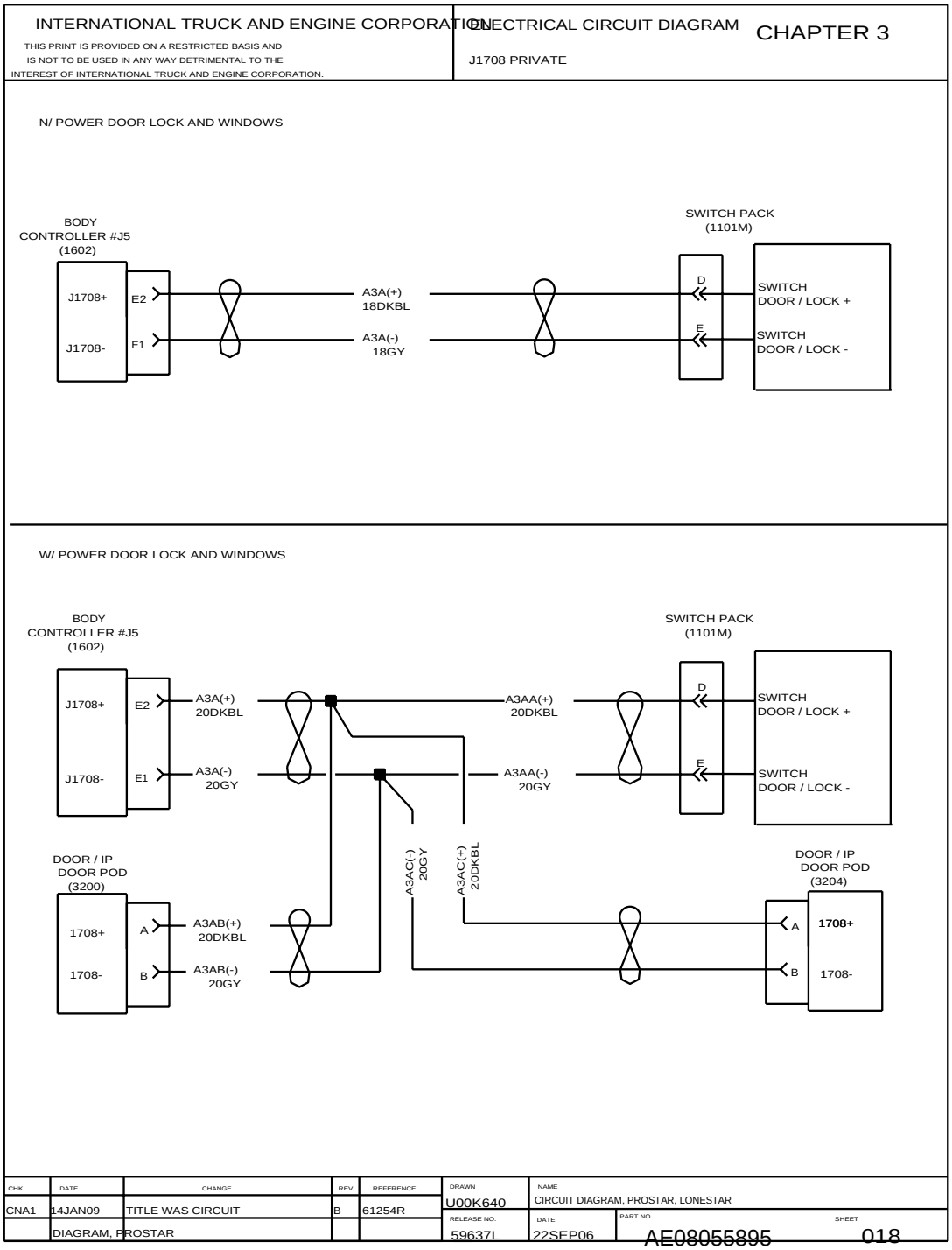

Figure 32 J1708 Private

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3.21. J1708 PUBLIC, P. 19

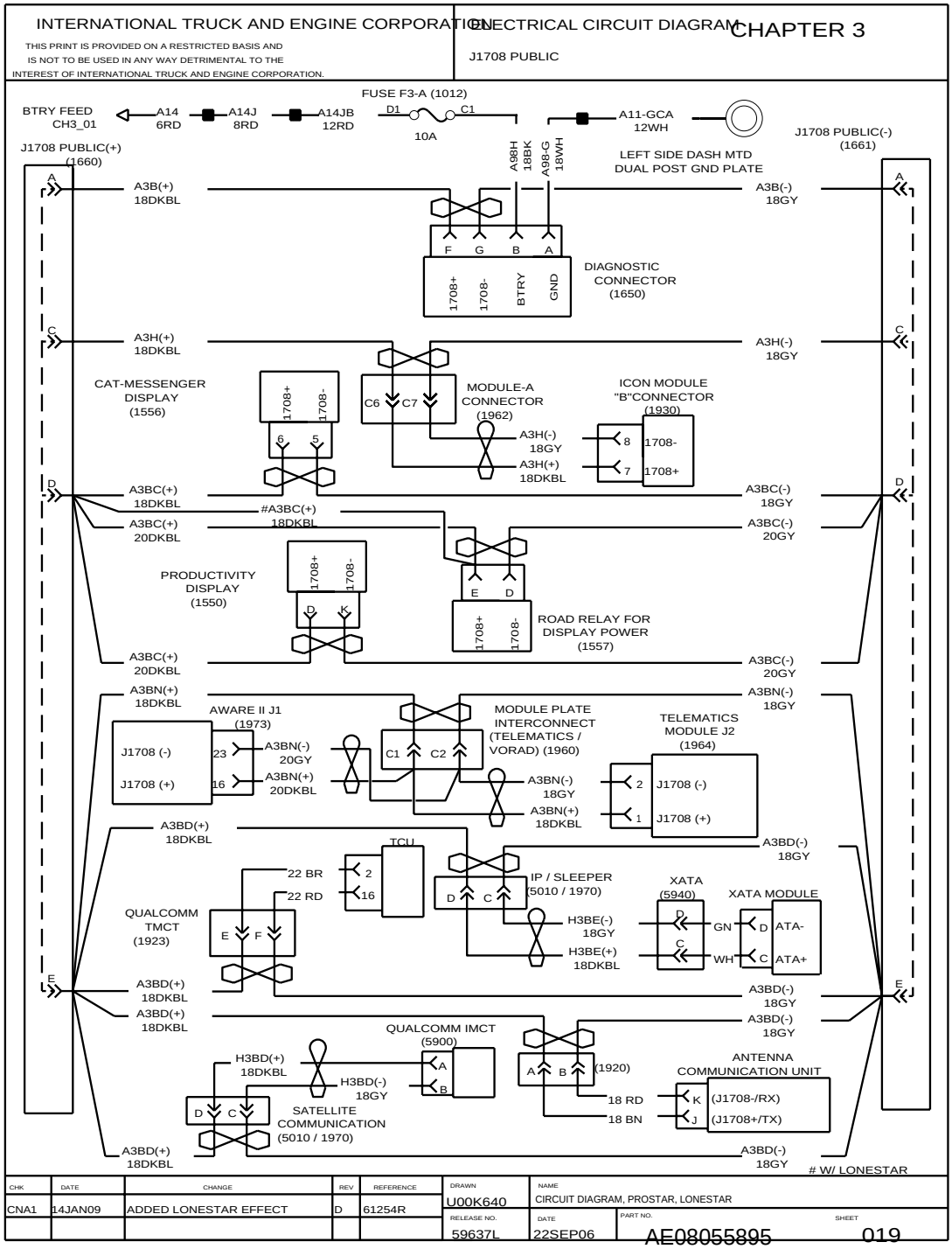

Figure 33 J1708 Public

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3.22. J1708 PUBLIC, P. 20

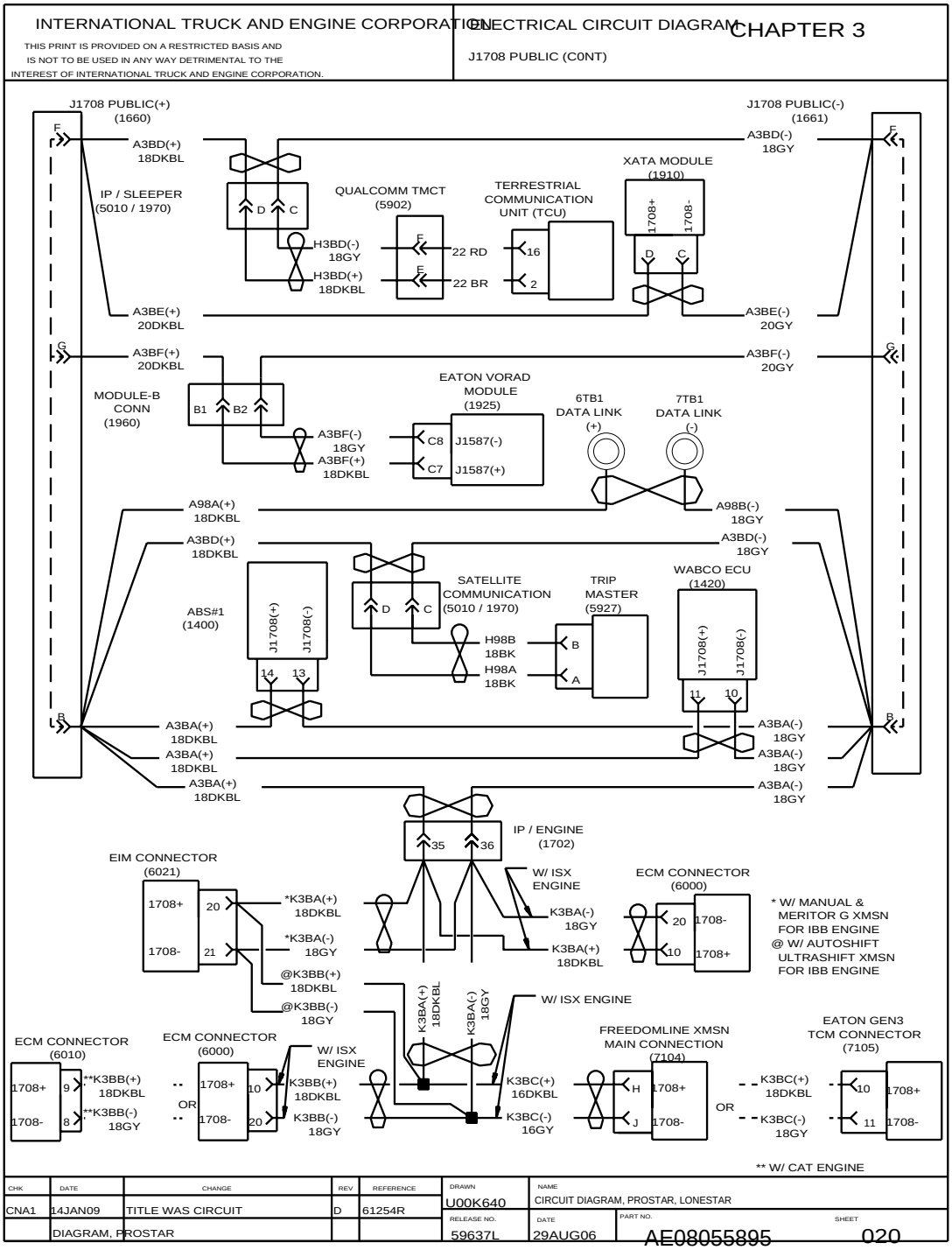

Figure 34 J1708 Public

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3.23. J1708 PUBLIC, P. 20A

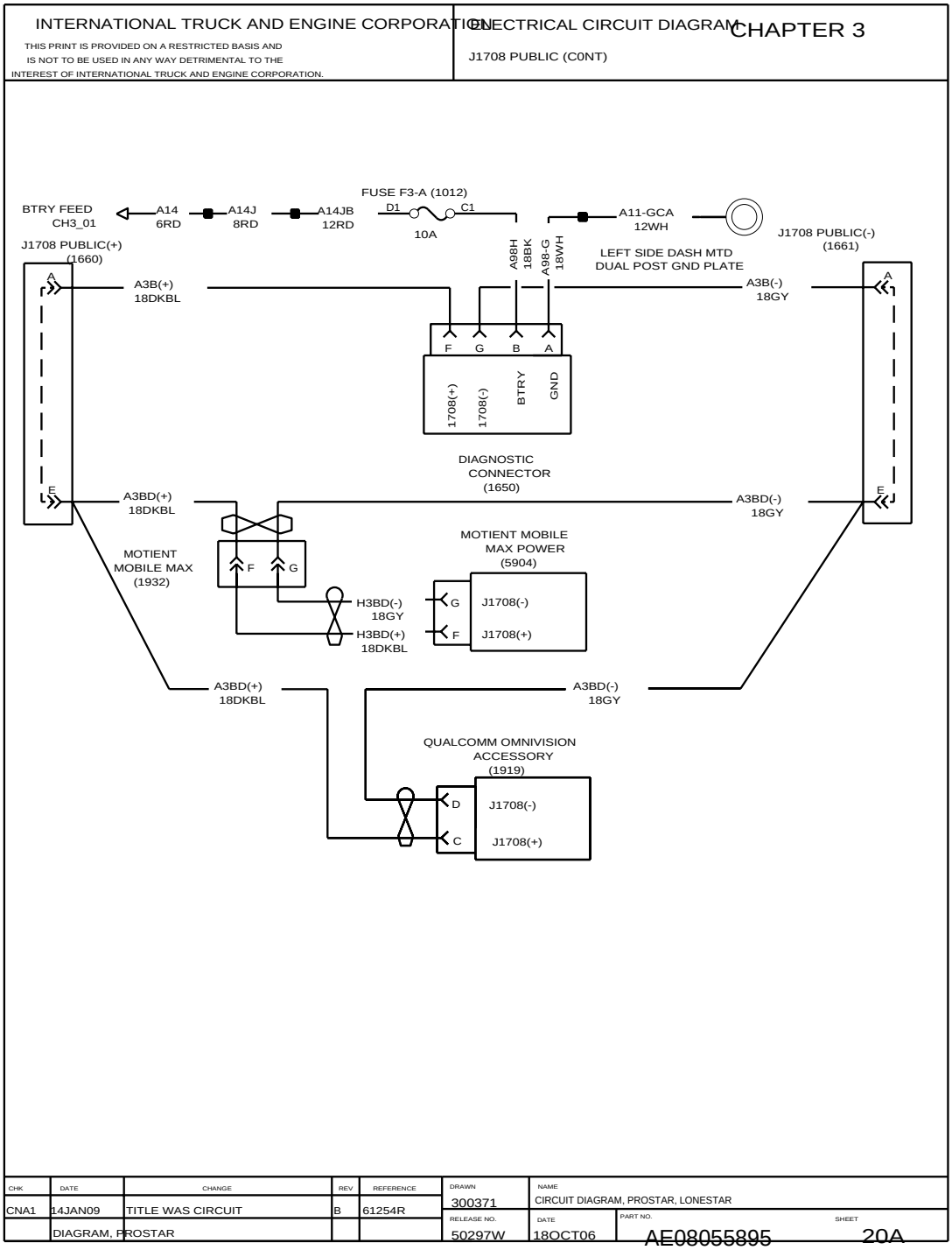

Figure 35 J1708 Public

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3.24. GROUND — CAB, P. 21

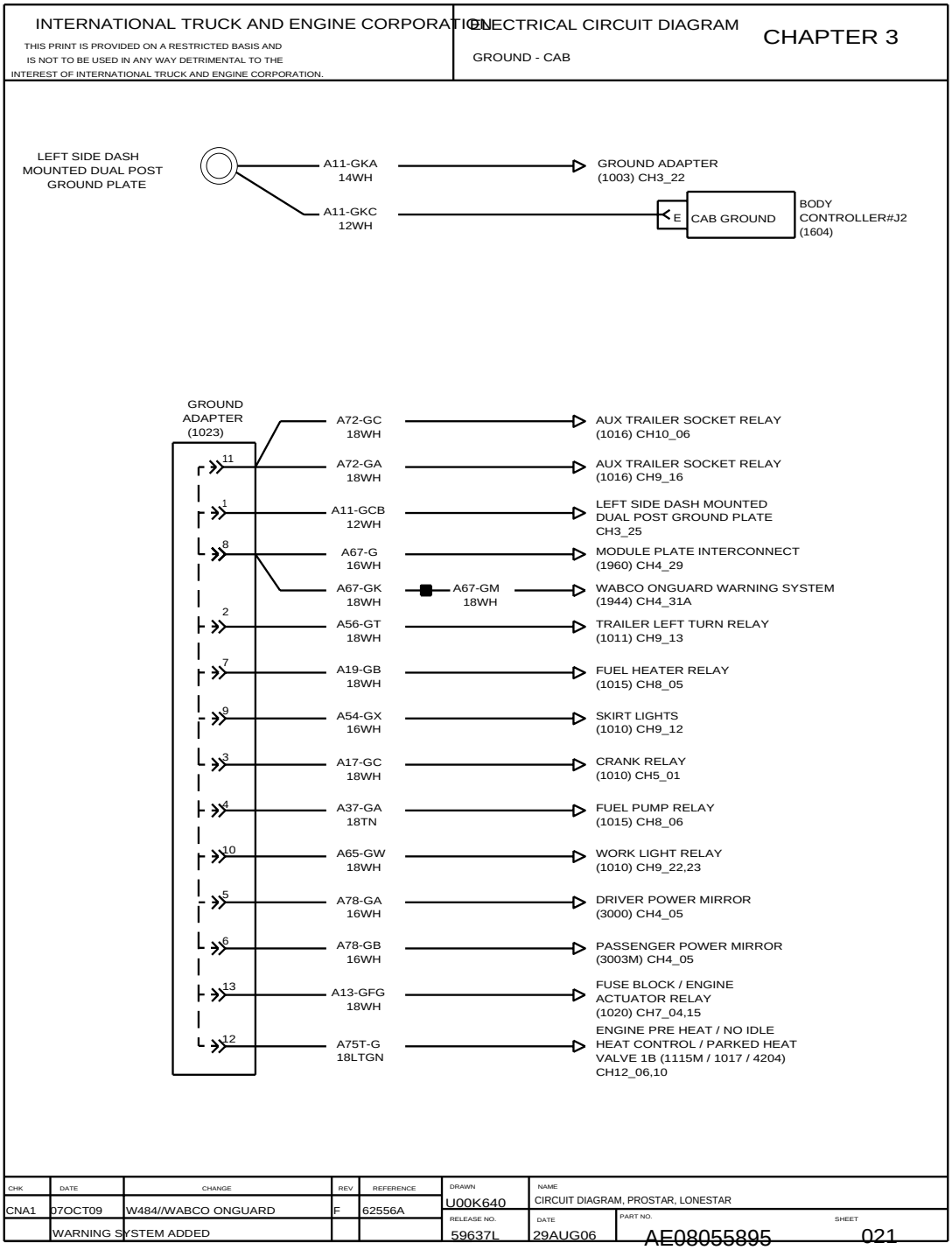

Figure 36 Ground — Cab

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3.25. GROUND — CAB, P. 22

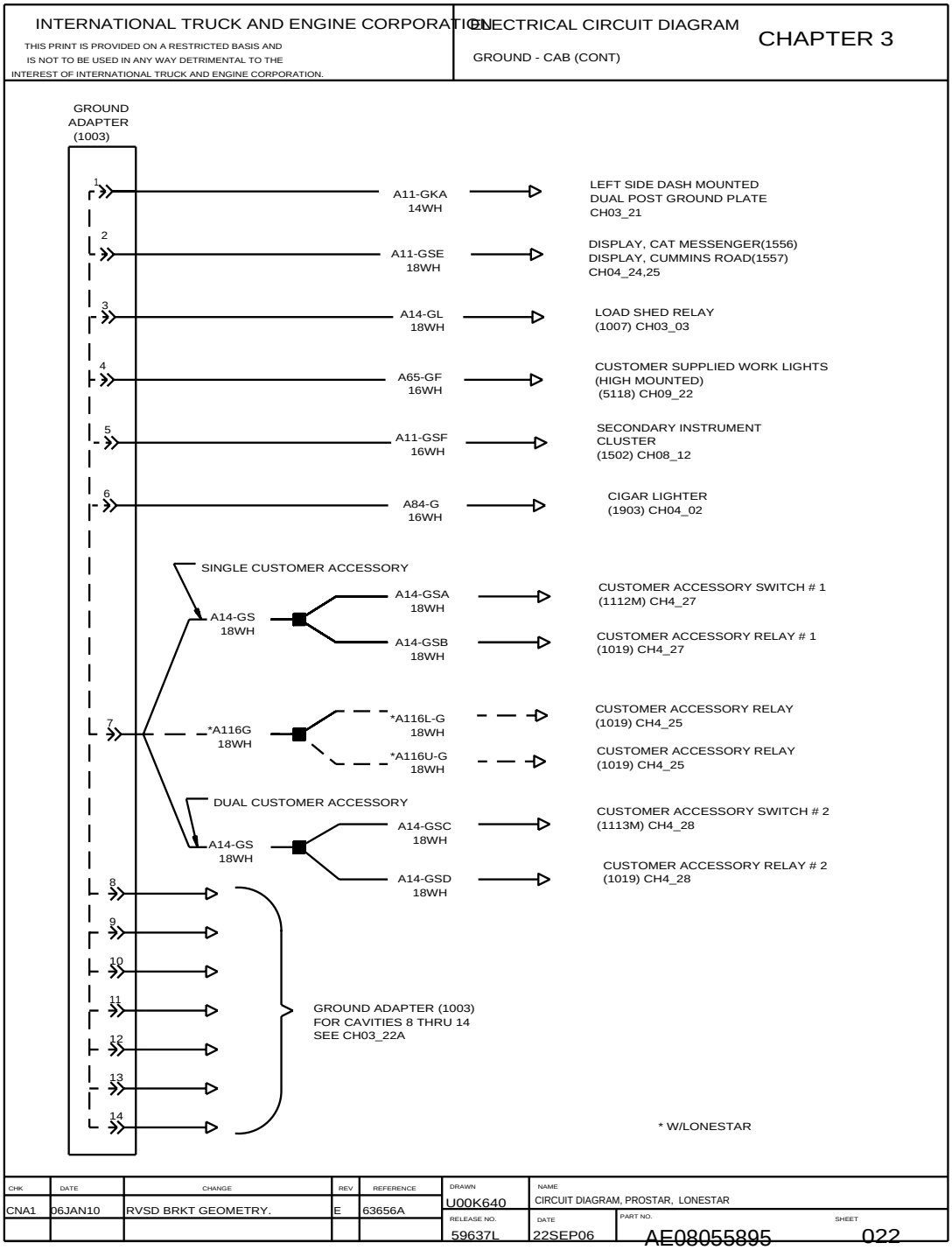

Figure 37 Ground — Cab

https://truckmanualshub.com/

3.26. GROUND — CAB, P. 22A

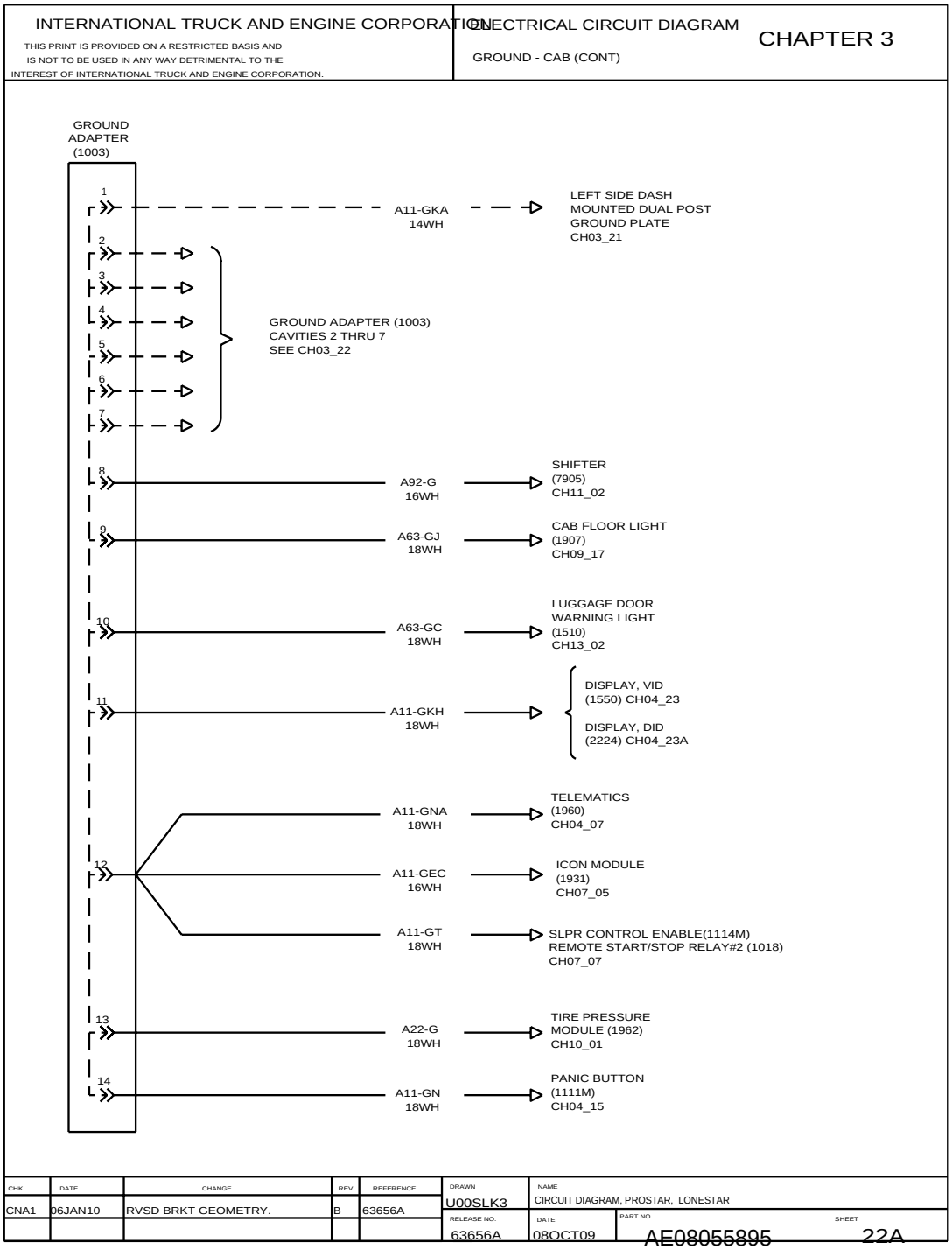

Figure 38 Ground — Cab

https://truckmanualshub.com/

3.27. GROUND — CAB, P. 23

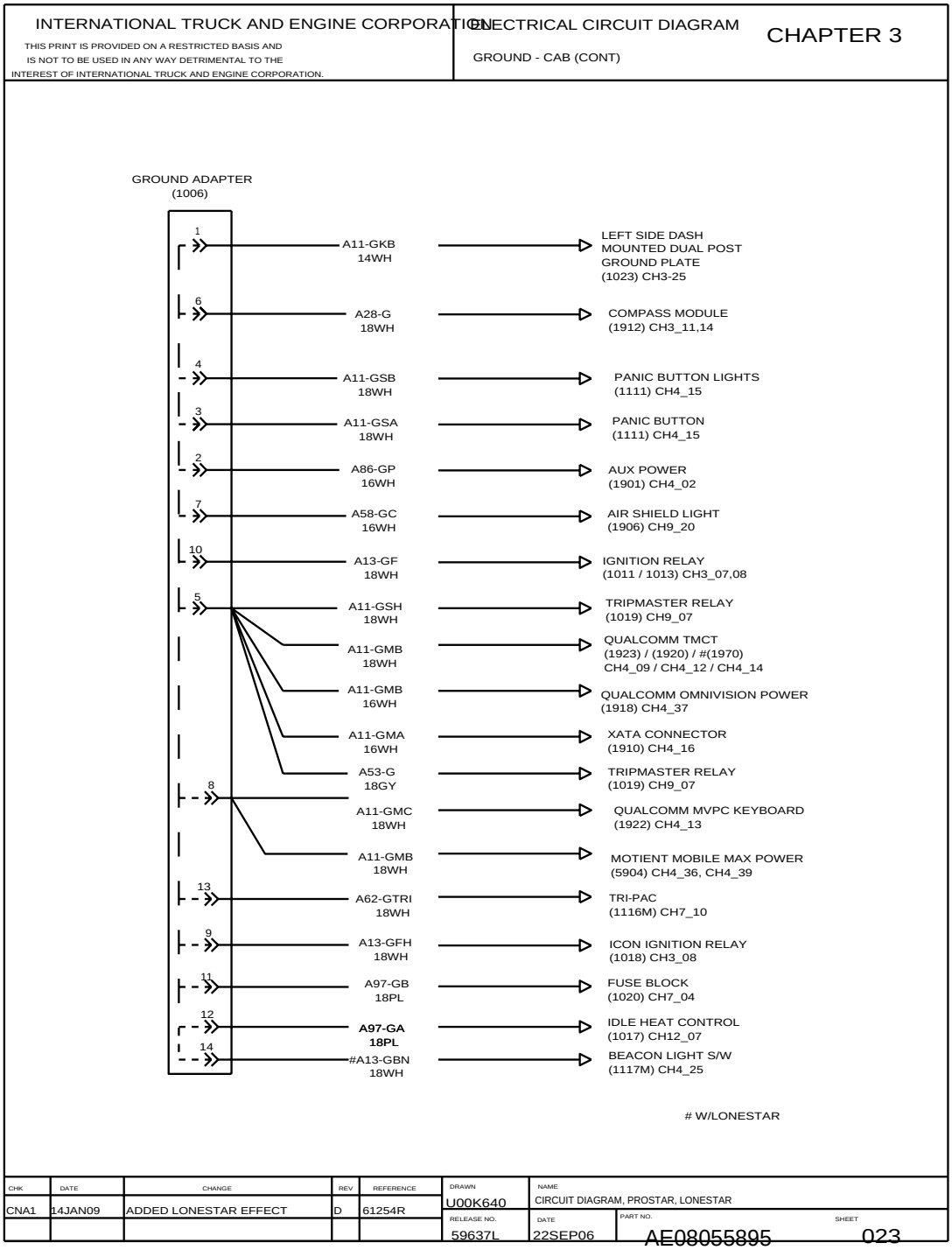

Figure 39 Ground — Cab

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3.28. GROUND — CAB, P. 24

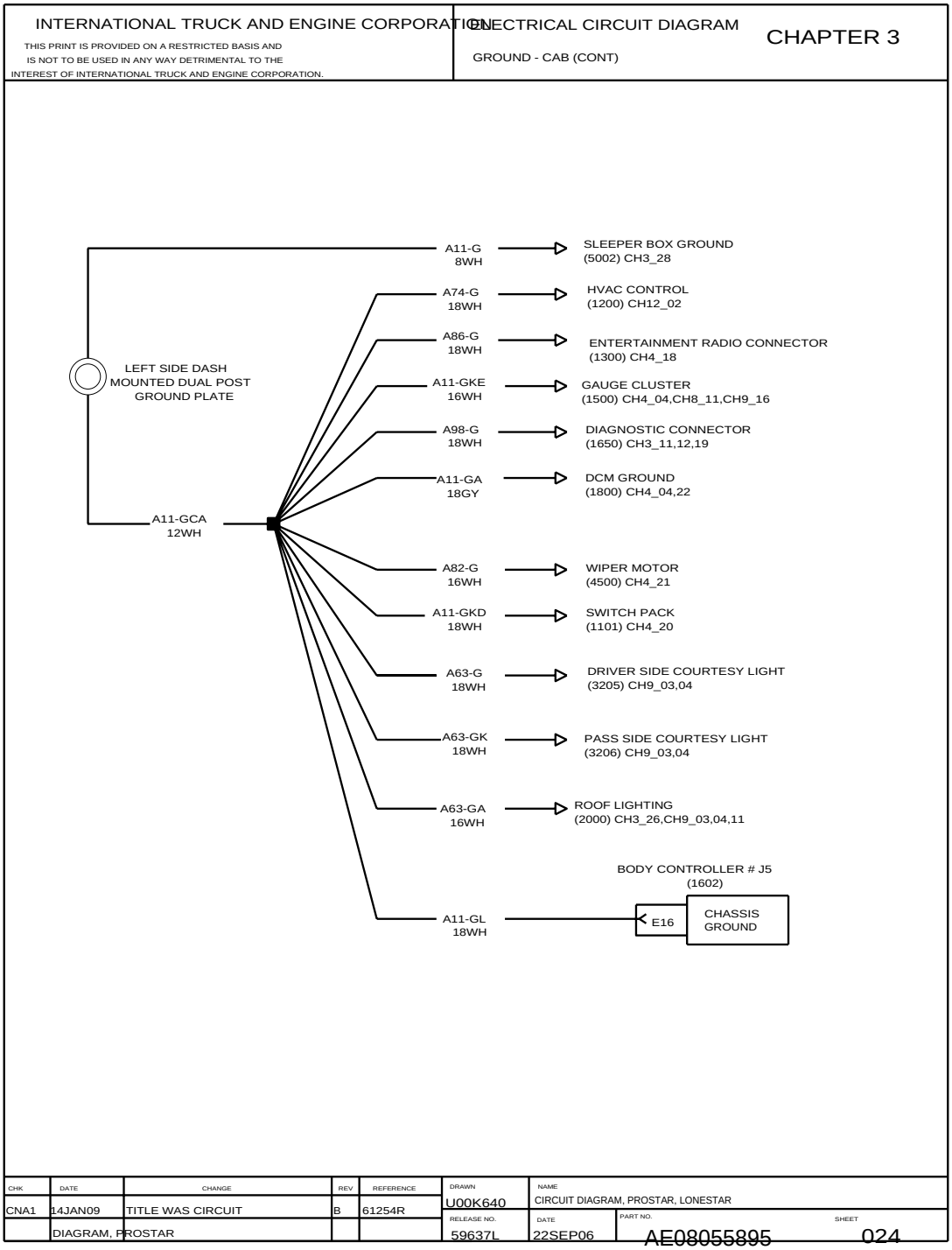

Figure 40 Ground — Cab

https://truckmanualshub.com/

3.29. GROUND — CAB, P. 25

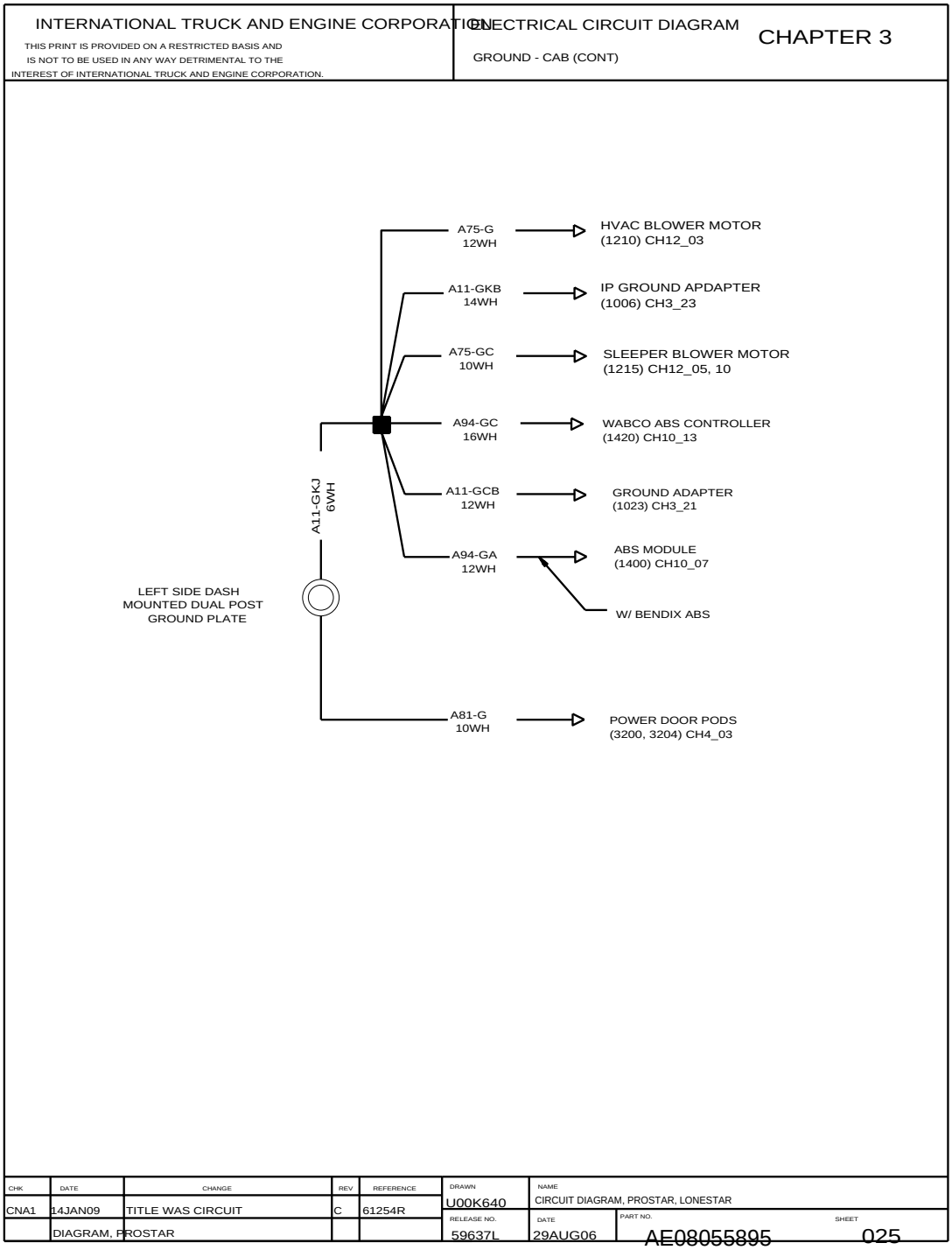

Figure 41 Ground — Cab

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3.30. GROUND — CAB, P. 26

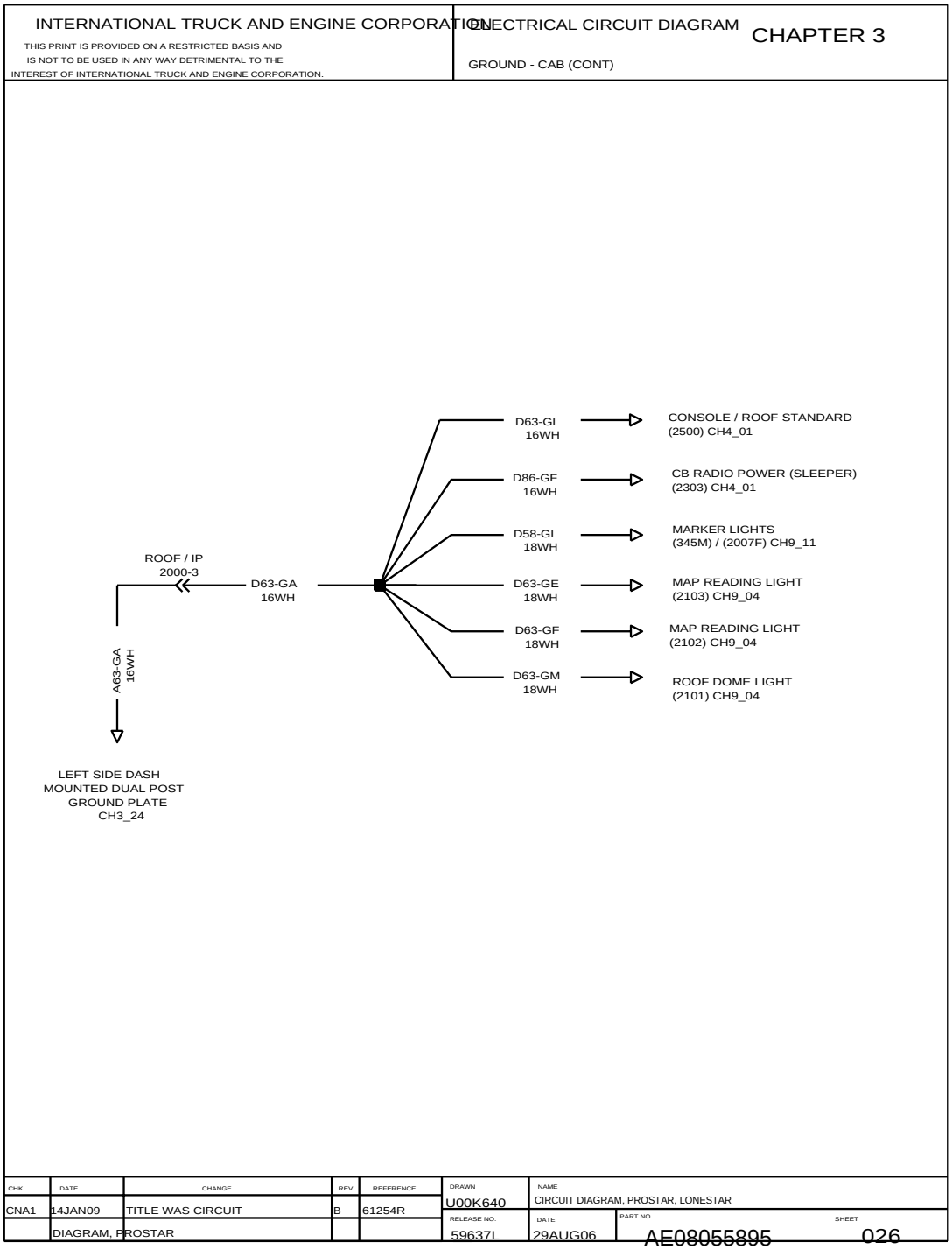

Figure 42 Ground — Cab

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3.31. GROUND — CHASSIS, P. 27

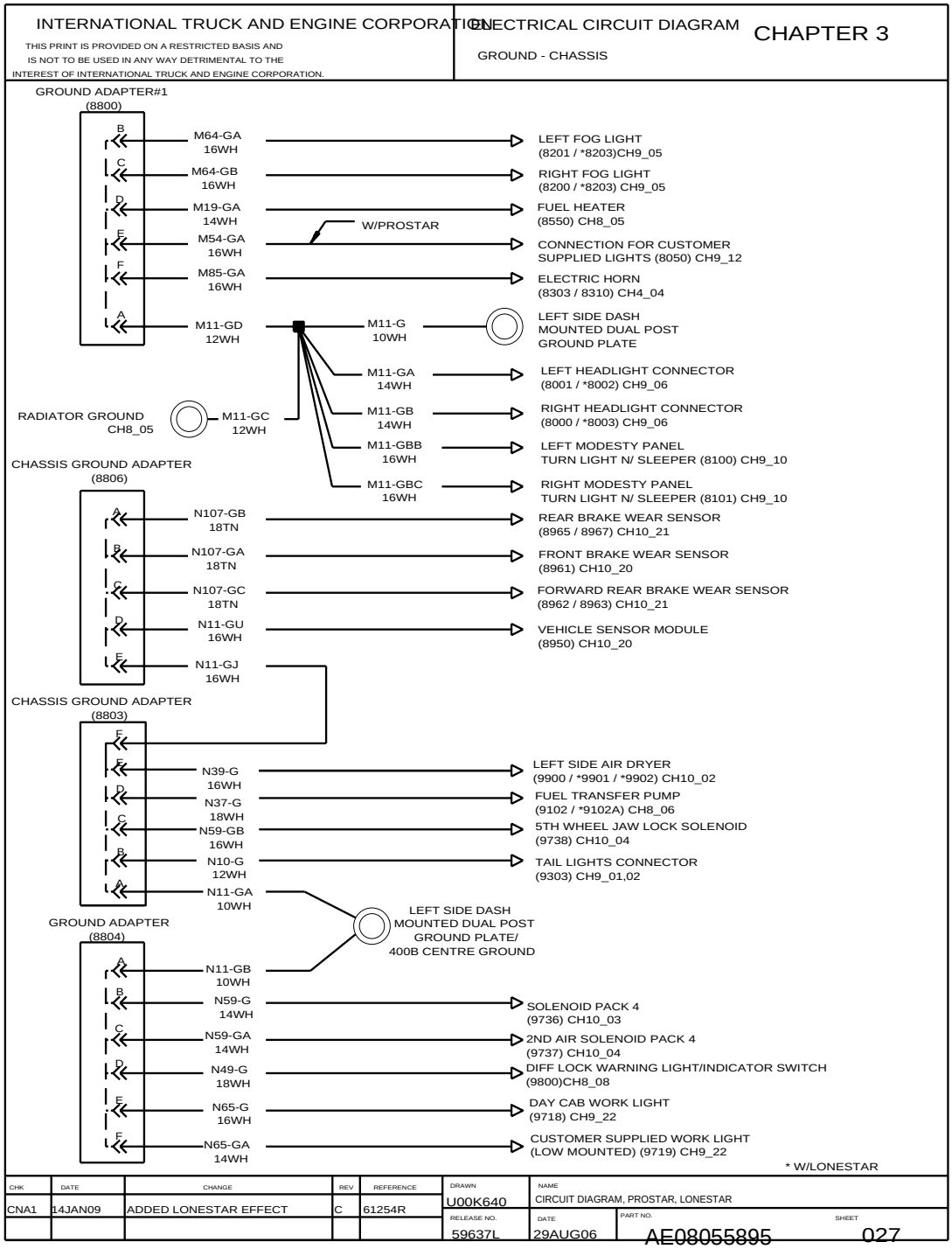

Figure 43 Ground — Chassis

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3.32. GROUND — SLEEPER, P. 28

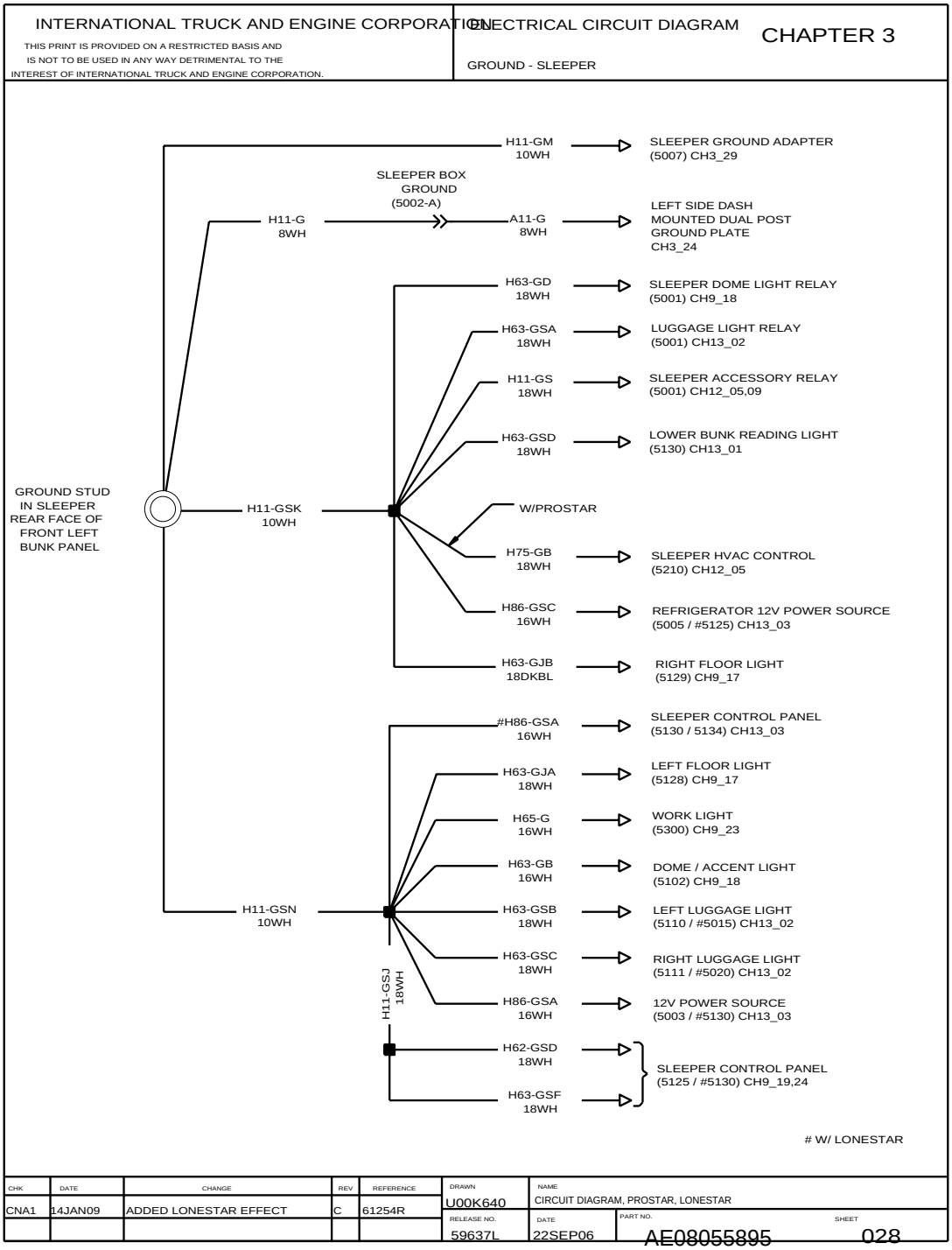

Figure 44 Ground — Sleeper

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3.33. GROUND — SLEEPER, P. 29

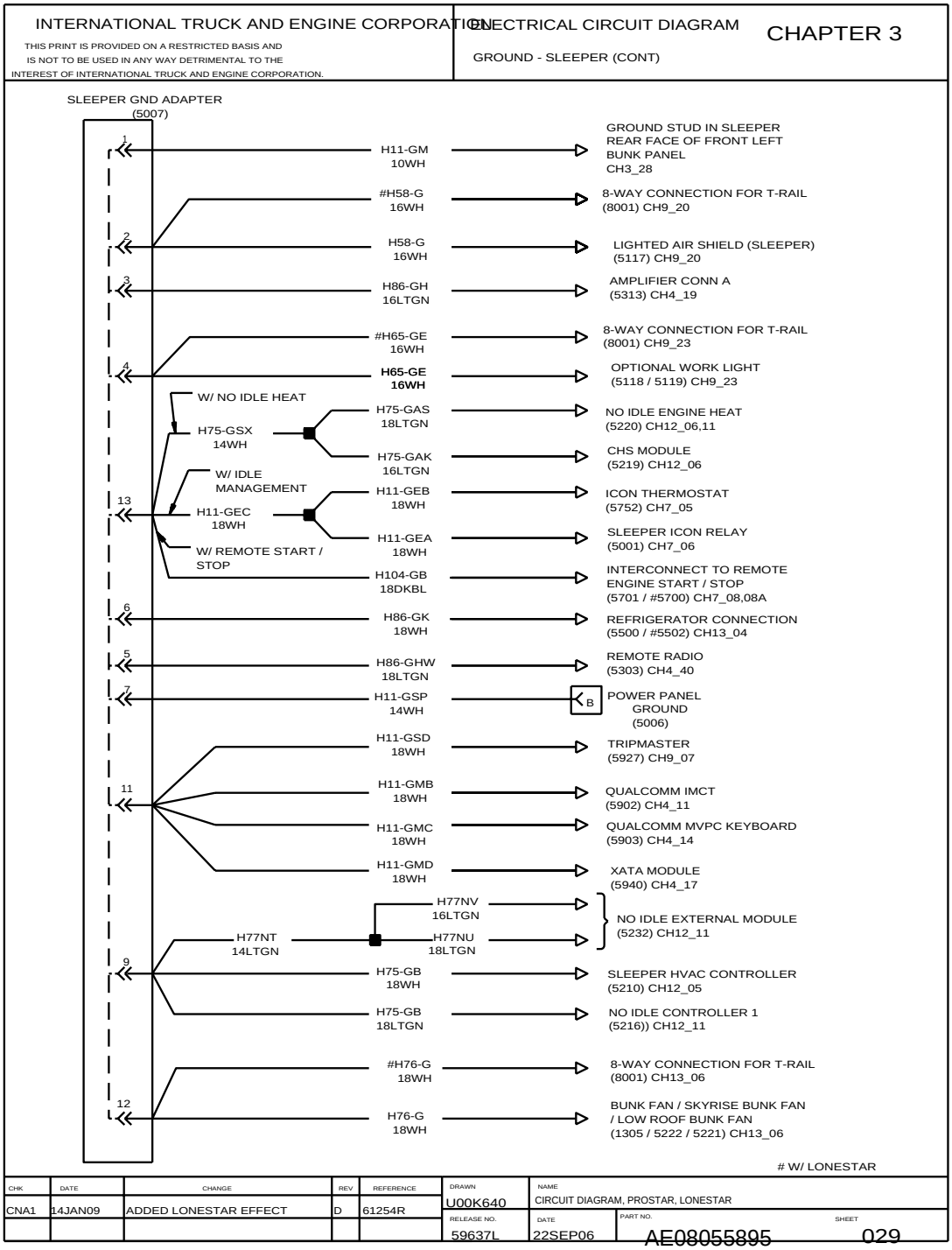

Figure 45 Ground — Sleeper

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3.34. GROUND — SLEEPER, P. 29A

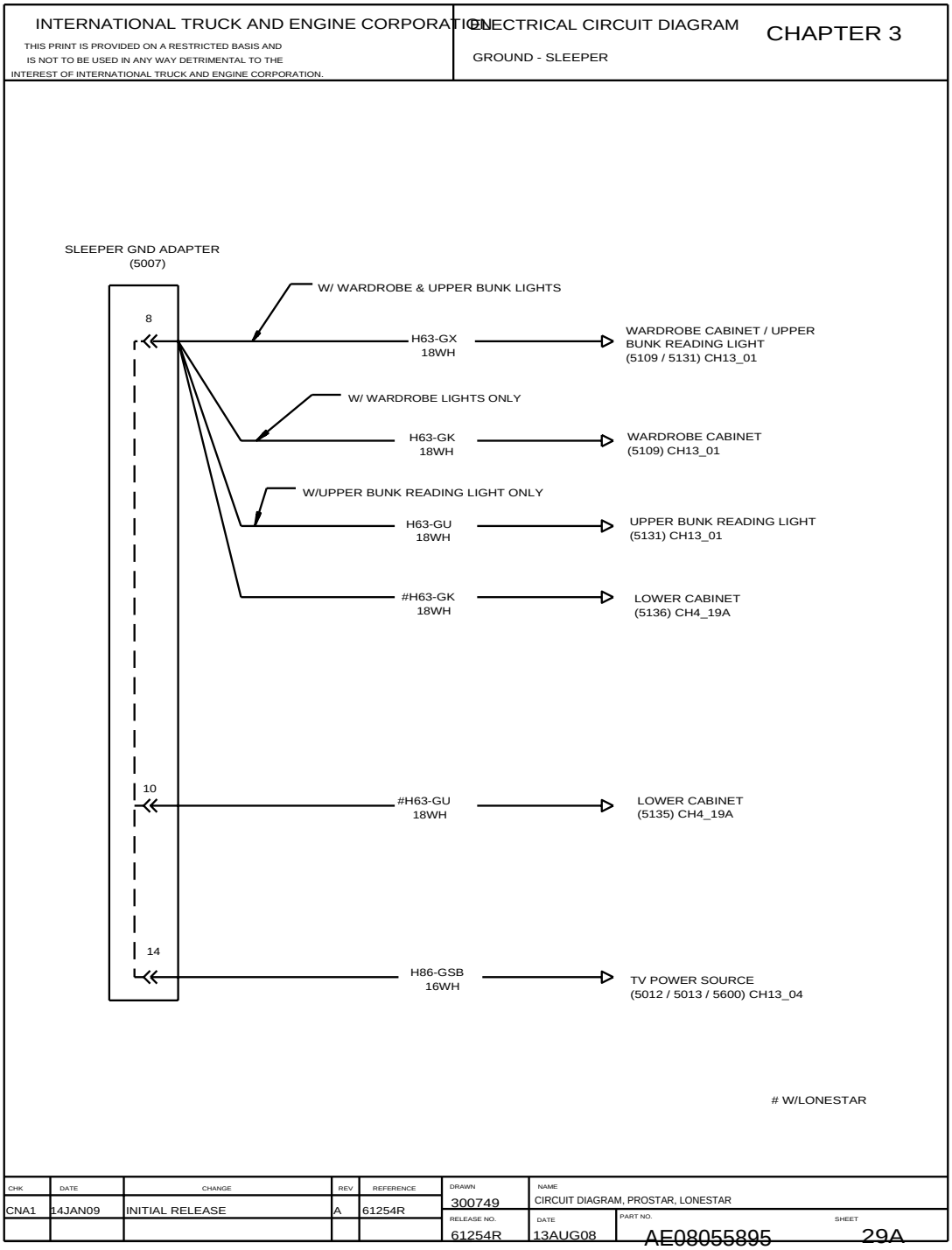

Figure 46 Ground — Sleeper

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3.35. ENGINE GROUND — IBB ENGINE, P. 30

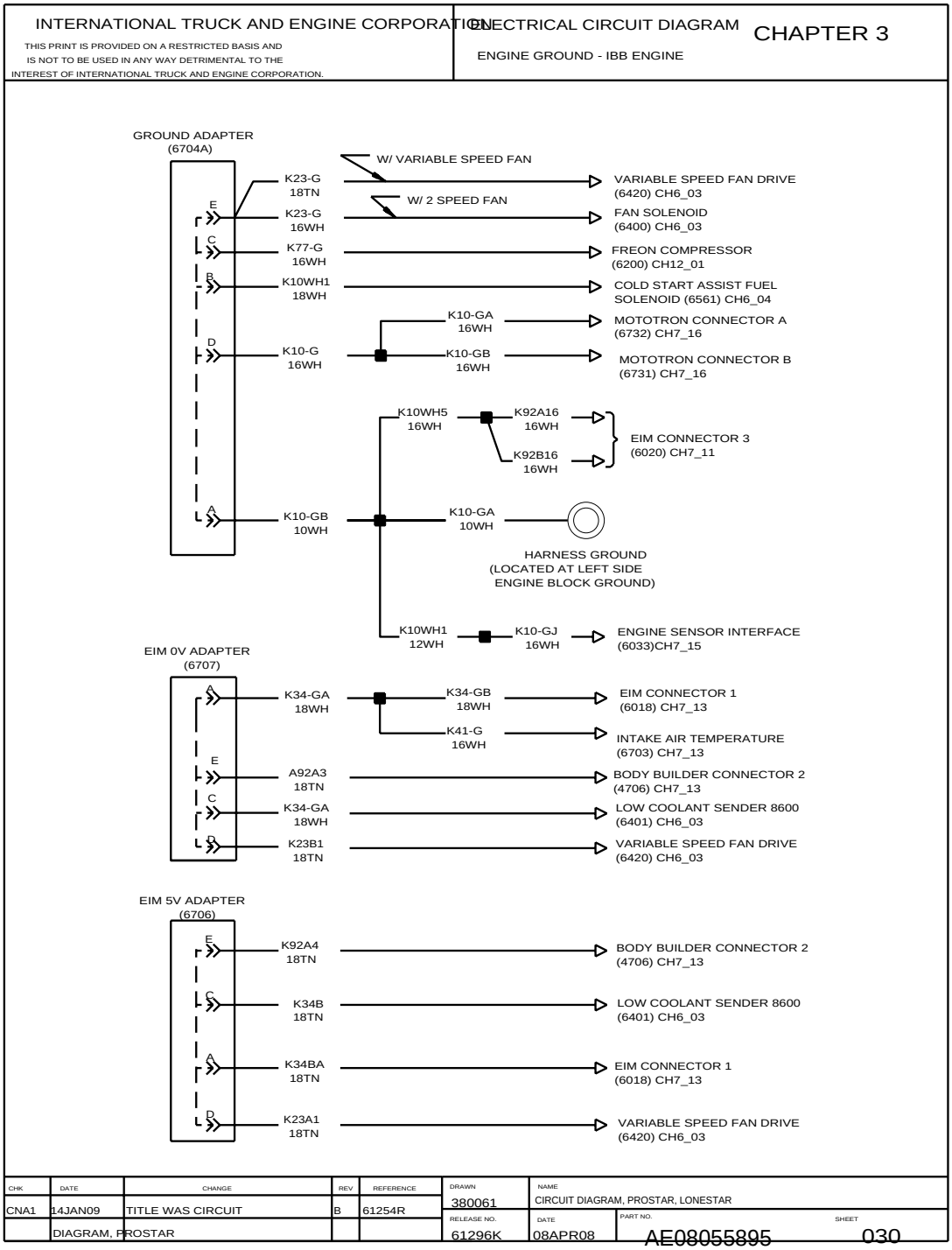

Figure 47 Engine Ground — IBB Engine

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3.36. J1939 DATA LINK — IBB ENGINE, P. 31

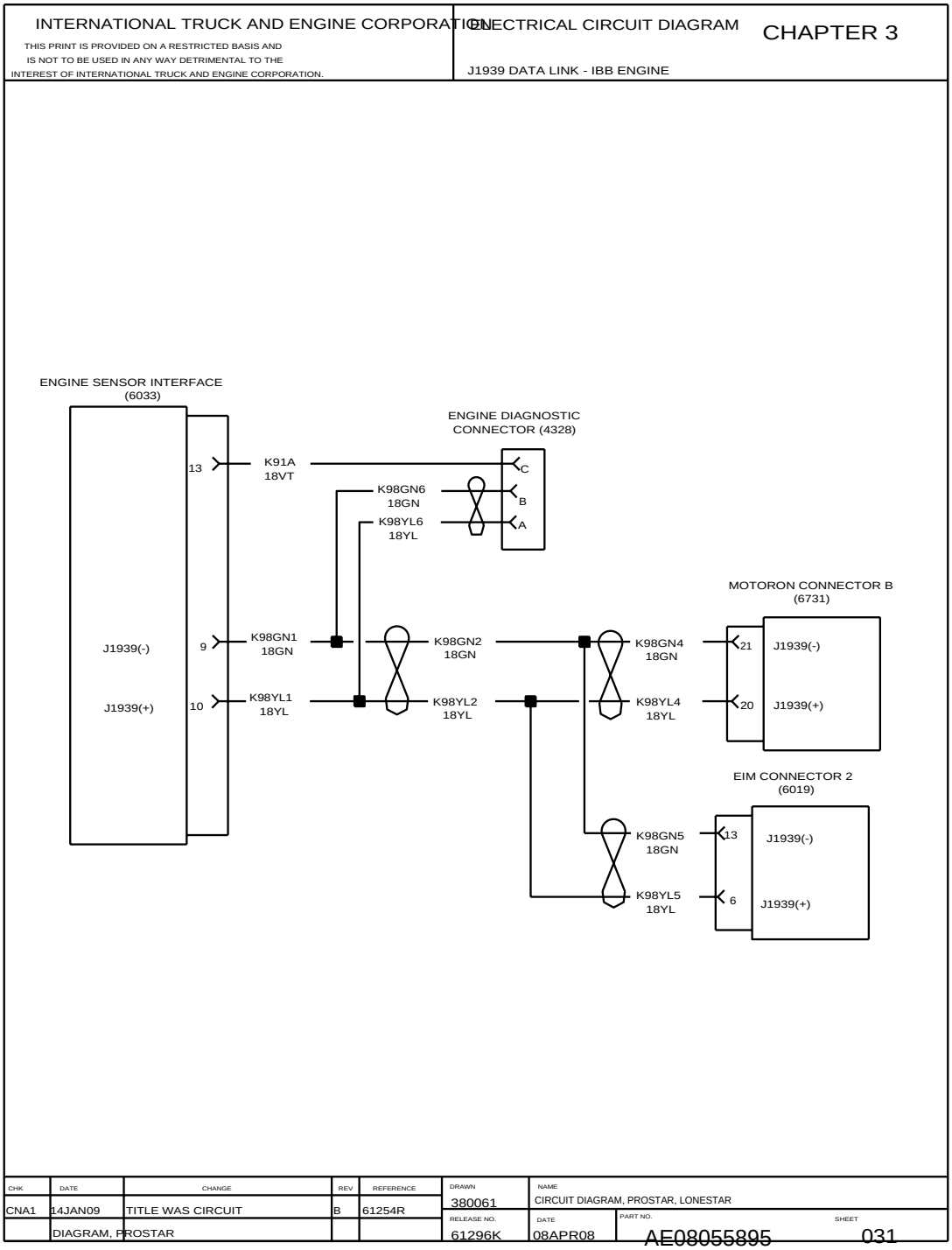

Figure 48 J1939 Data Link — IBB Engine

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3.37. ZERO VOLT REFERENCE, P. 32

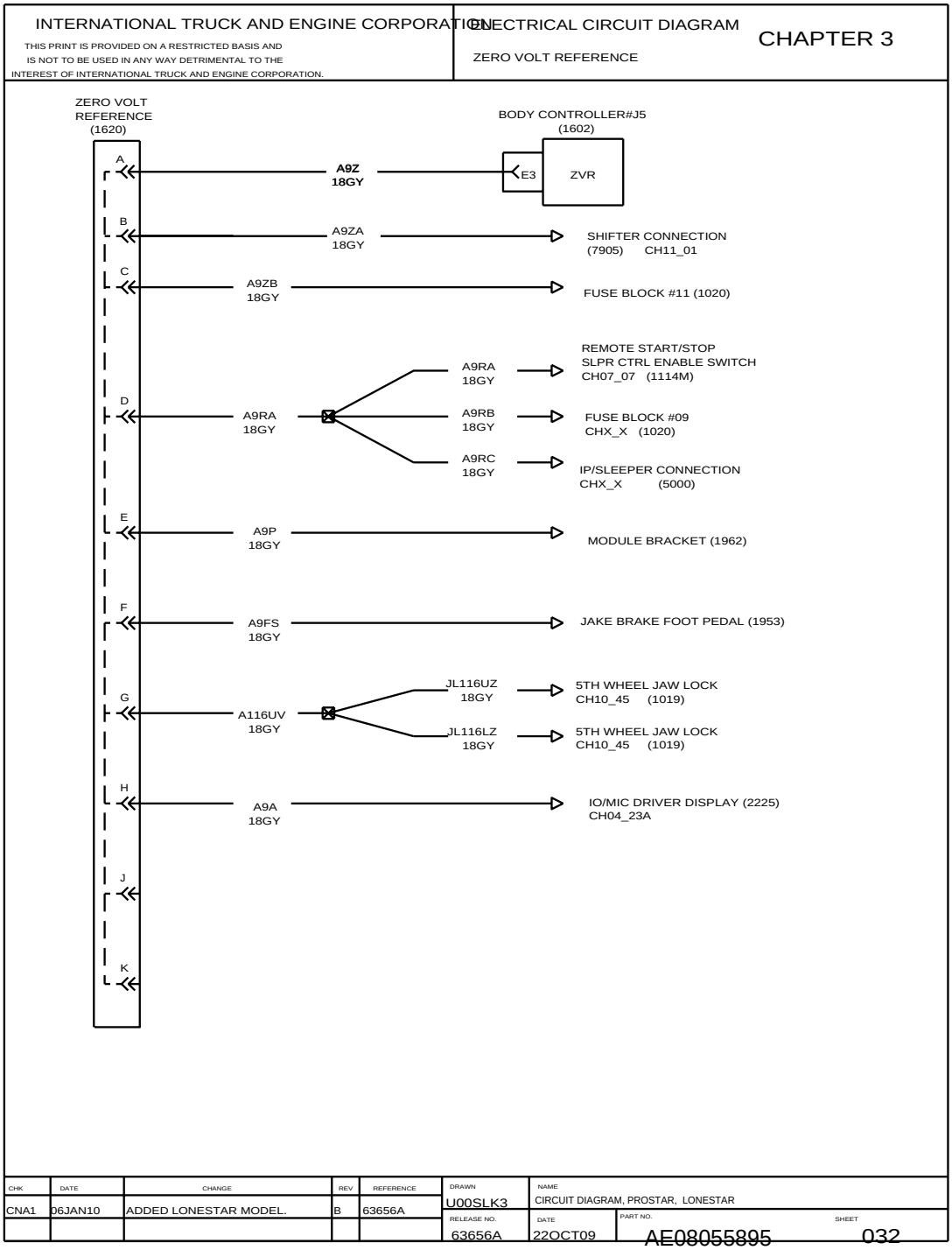

Figure 49 Zero Volt Reference

https://truckmanualshub.com/

3.38. ZERO VOLT REFERENCE, P. 32A

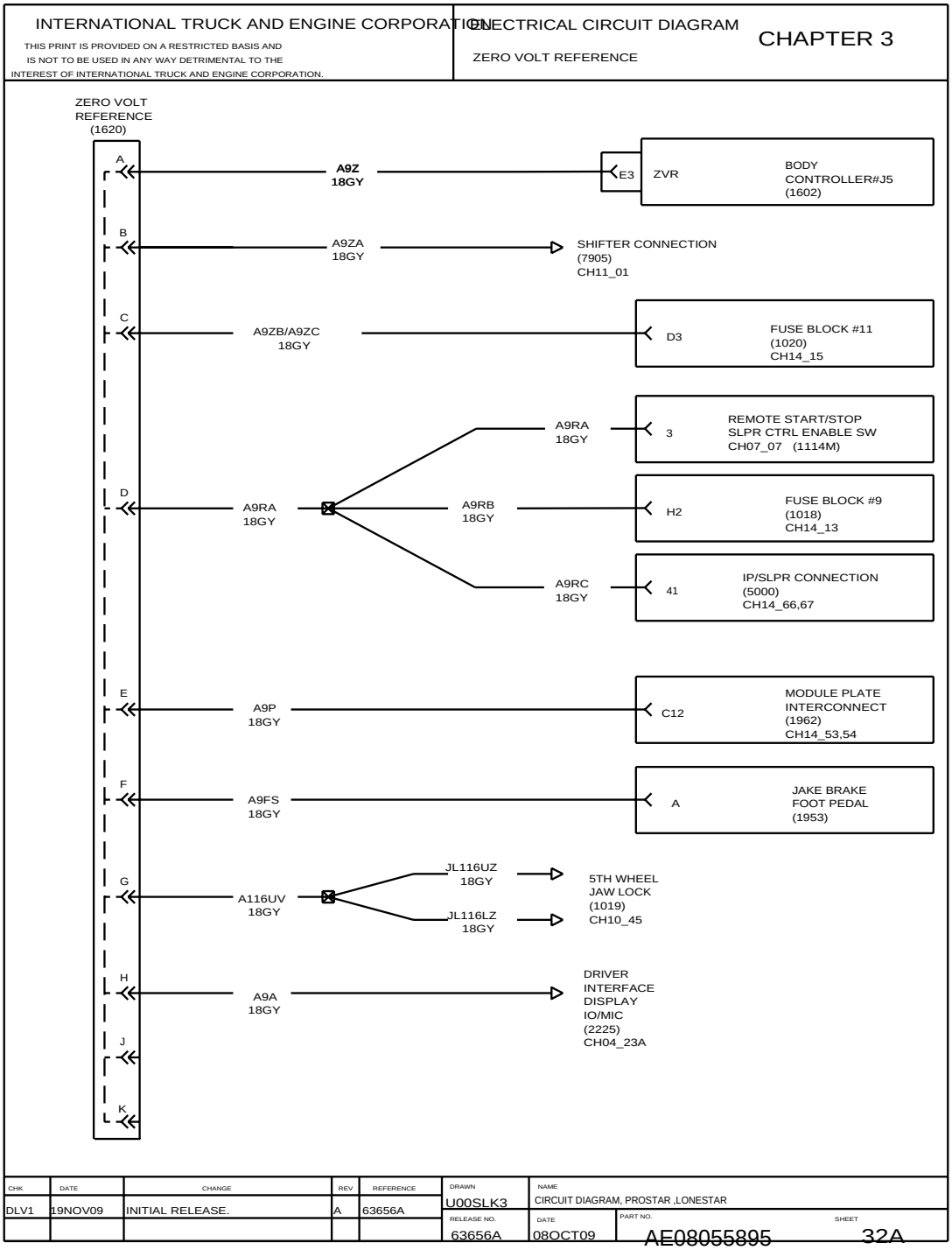

Figure 50 Zero Volt Reference

https://truckmanualshub.com/

4. CAB ACCESSORIES (CHAPTER 4)

4.1. CB POWER RADIO, P. 1

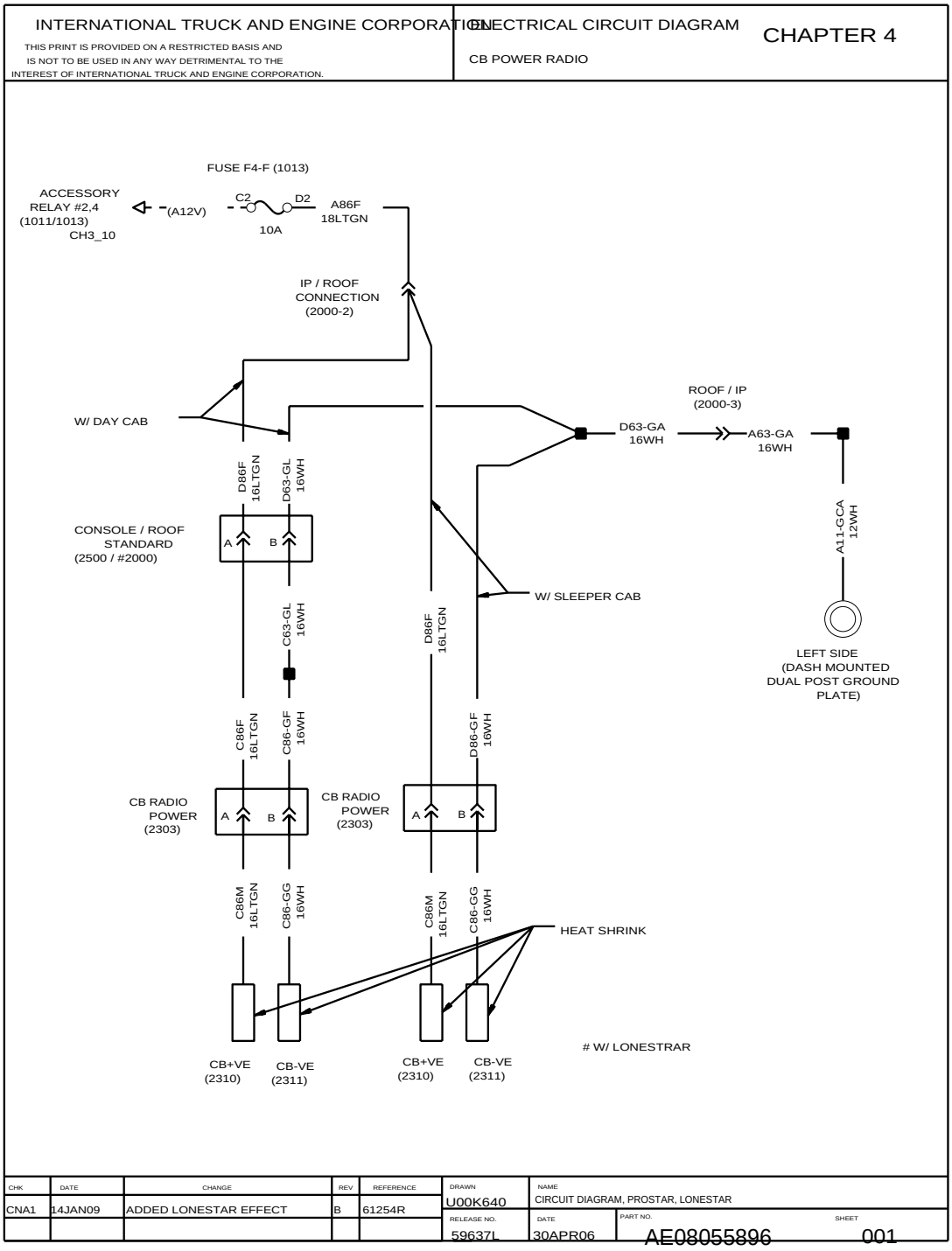

Figure 51 CB Power Radio

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4.2. CIGAR LIGHTER AND TEMPERATURE DISPLAY, P. 2

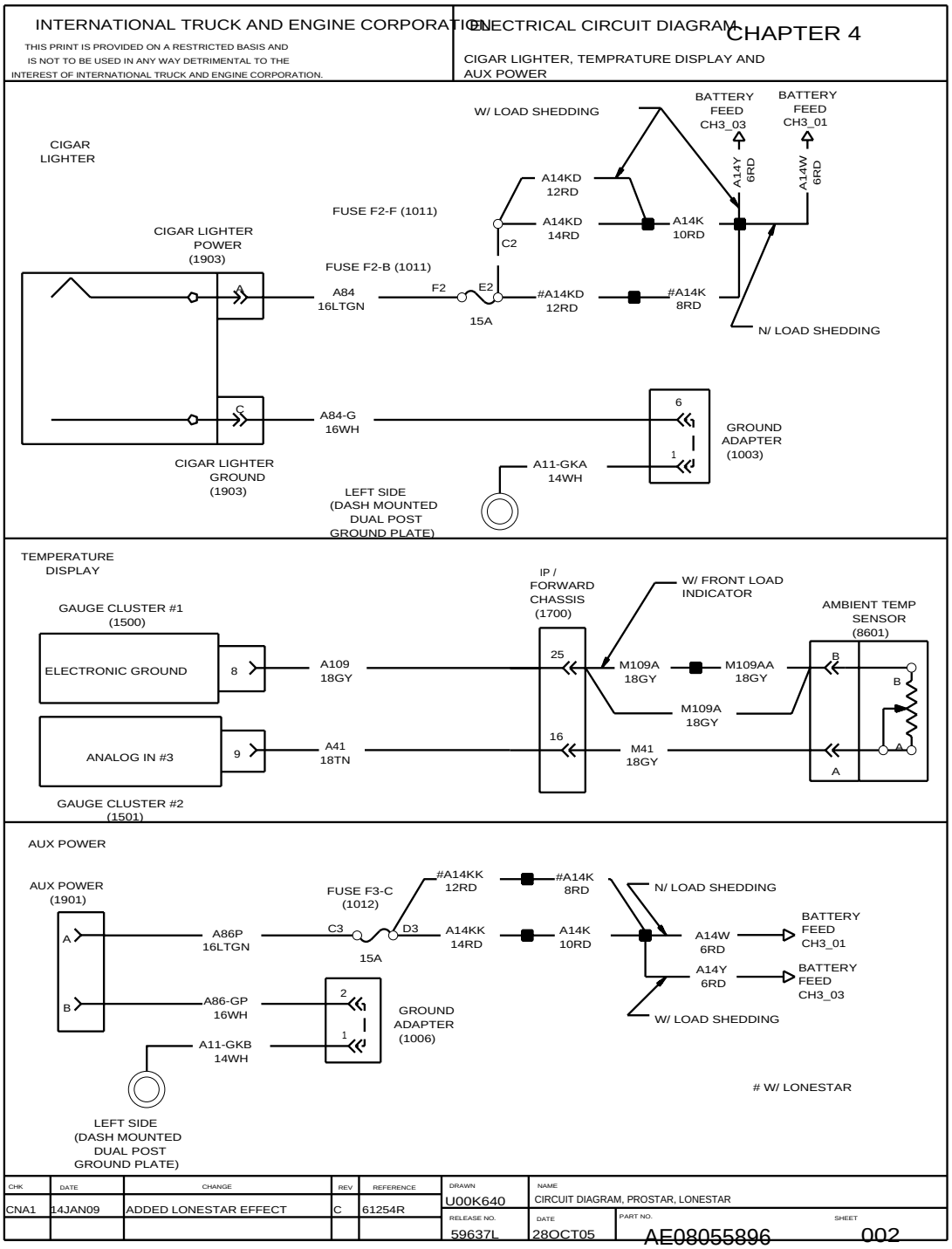

Figure 52 Cigar Lighter and Temperature Display

https://truckmanualshub.com/

4.3. ELECTRIC WINDOWS AND DOOR LOCKS, P. 3

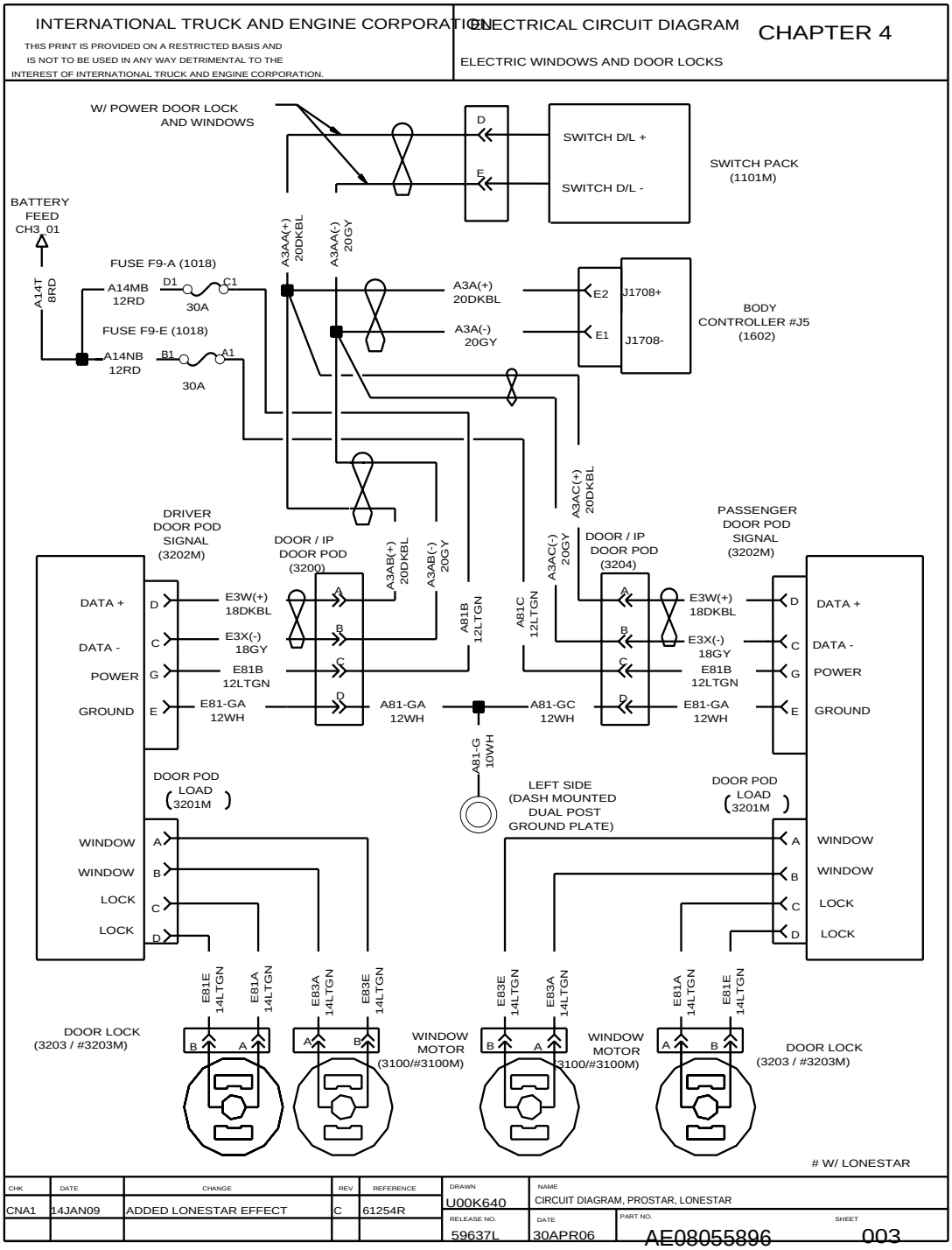

Figure 53 Electric Windows and Door Locks

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4.4. ELECTRIC HORN, P. 4

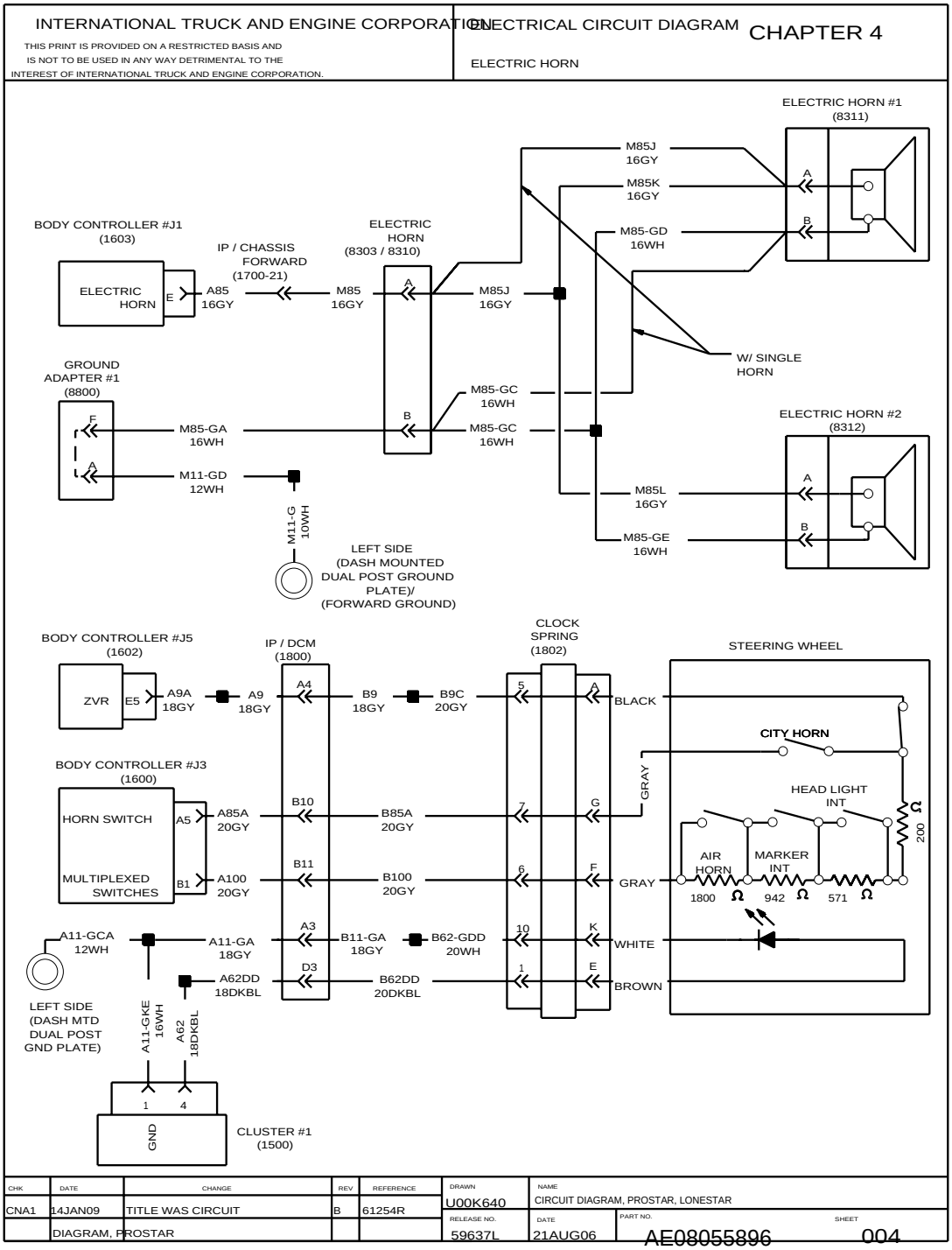

Figure 54 Electric Horn

https://truckmanualshub.com/

4.5. MIRRORS HEATED AND LIGHTED, P. 5

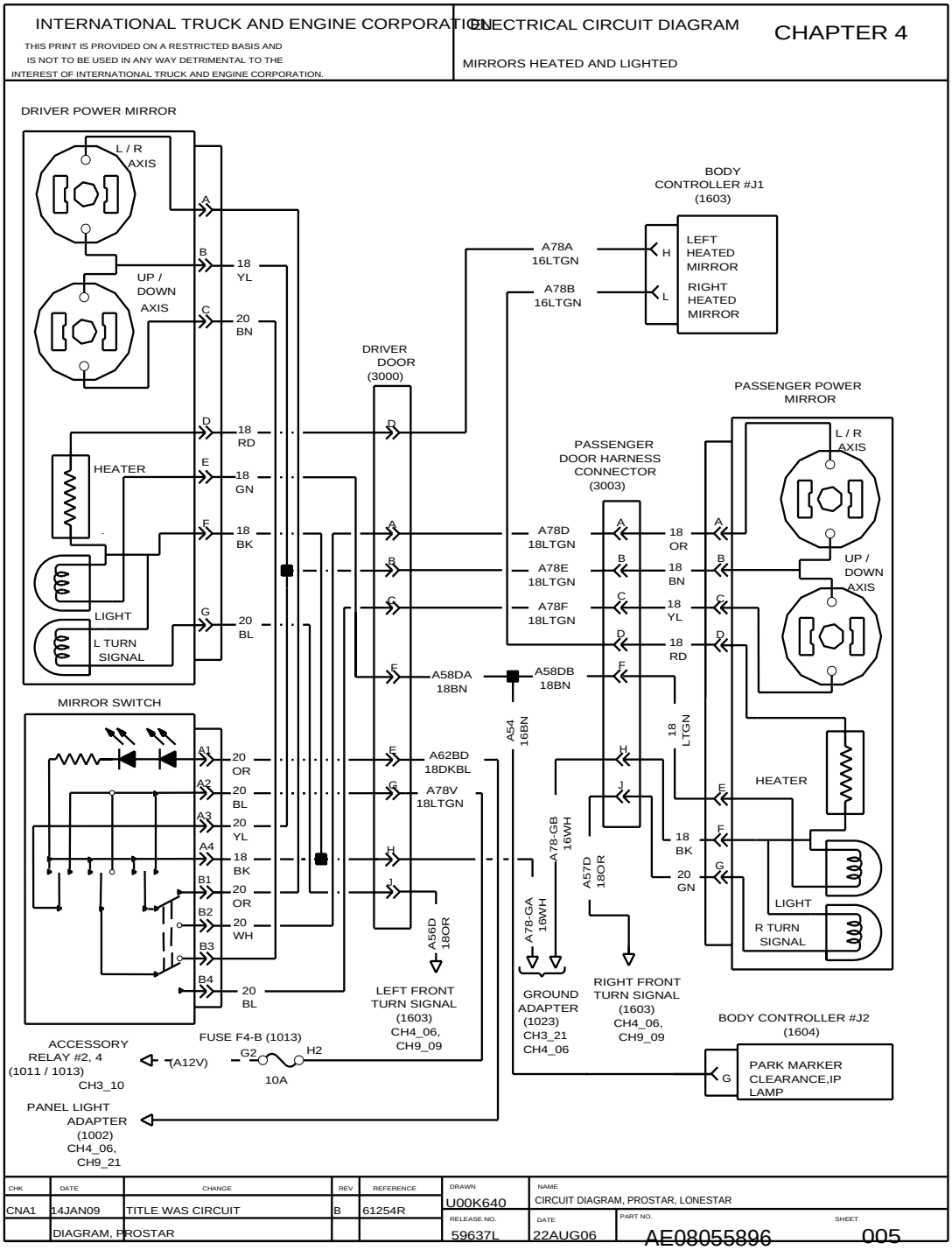

Figure 55 Mirrors Heated and Lighted

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4.6. MIRRORS HEATED AND LIGHTED, P. 6

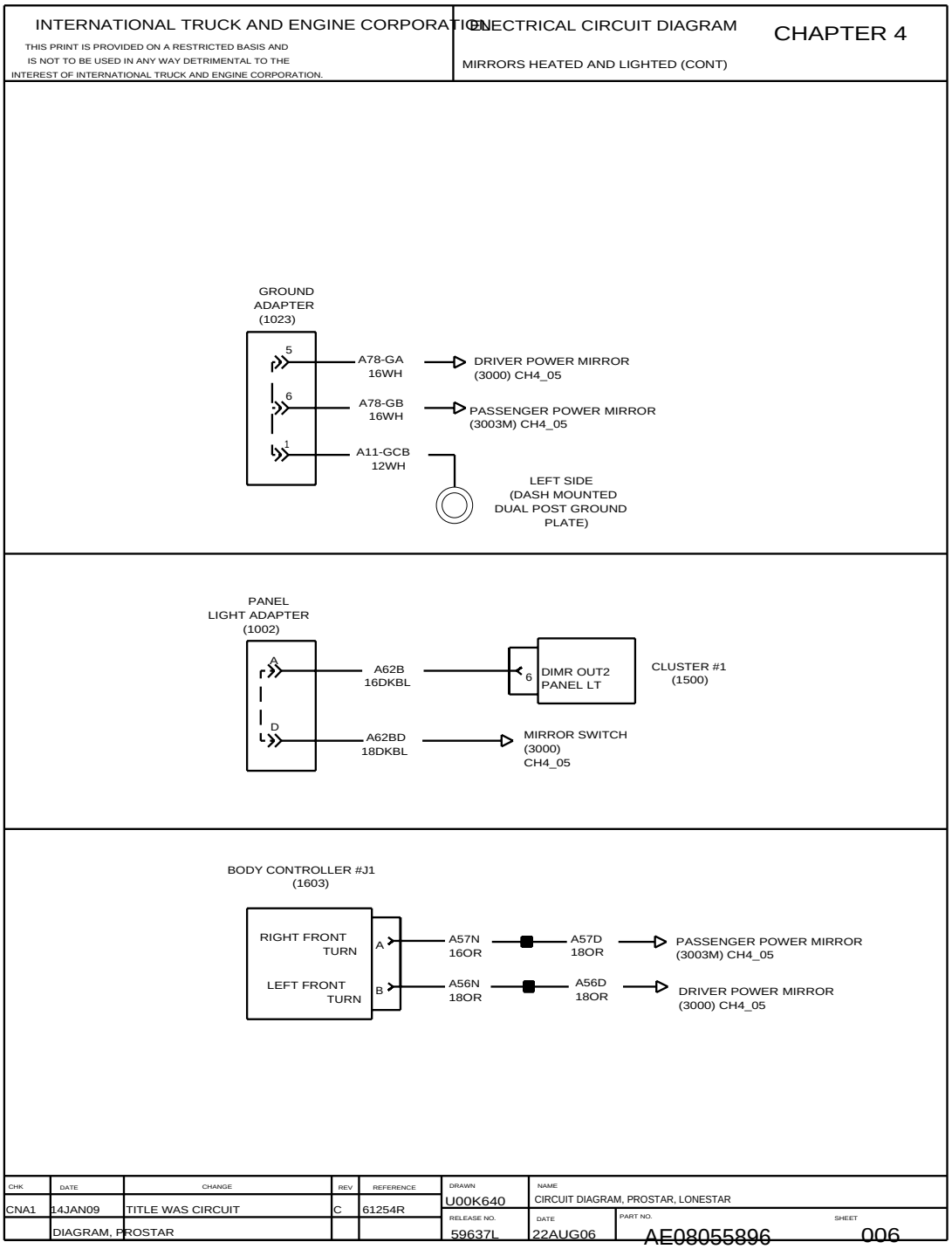

Figure 56 Mirrors Heated and Lighted

https://truckmanualshub.com/

4.7. TELEMATICS, P. 7

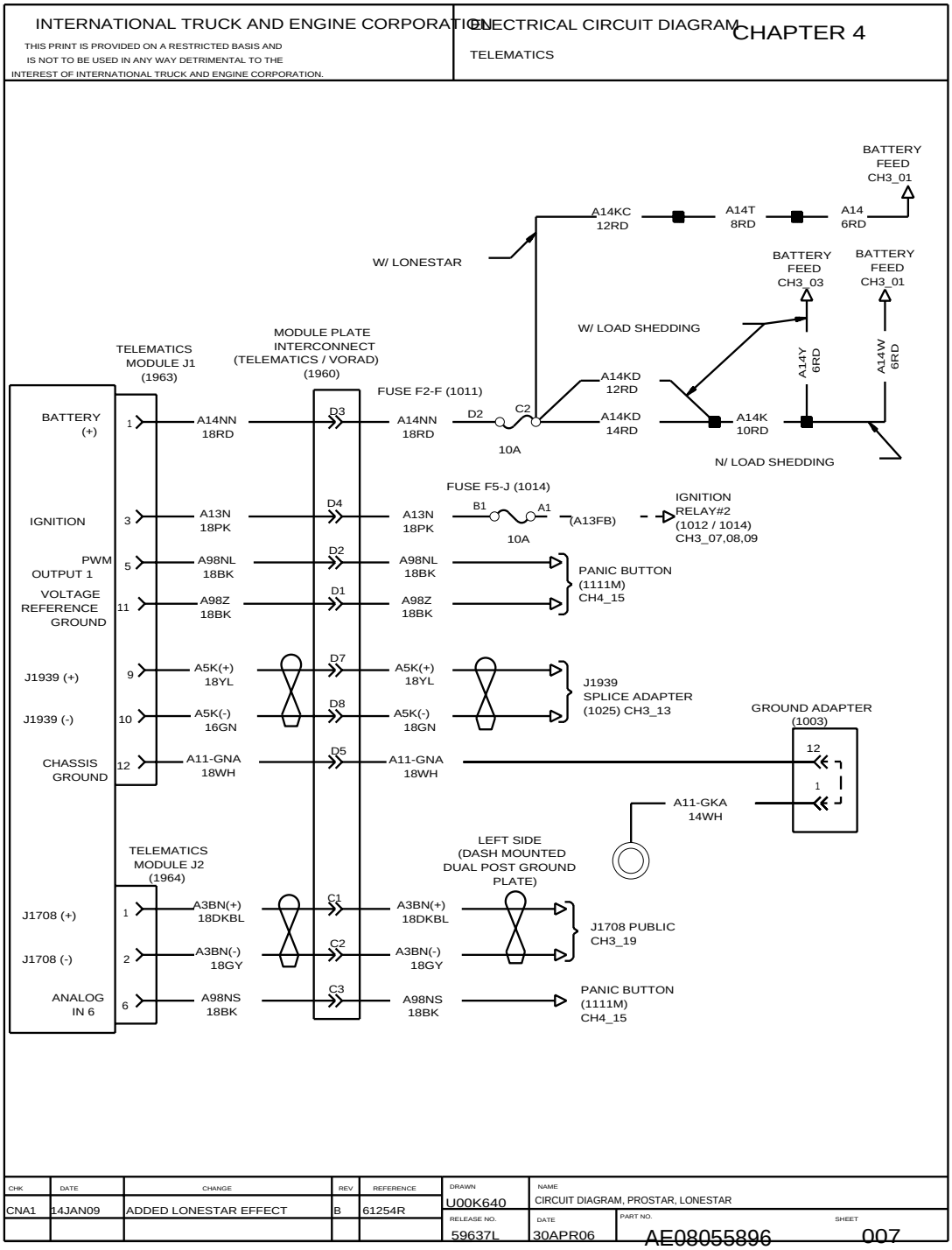

Figure 57 Telematics

https://truckmanualshub.com/

4.8. SATELLITE COMMUNICATION SYSTEM — QUALCOMM TMCT DAYCAB, P. 8

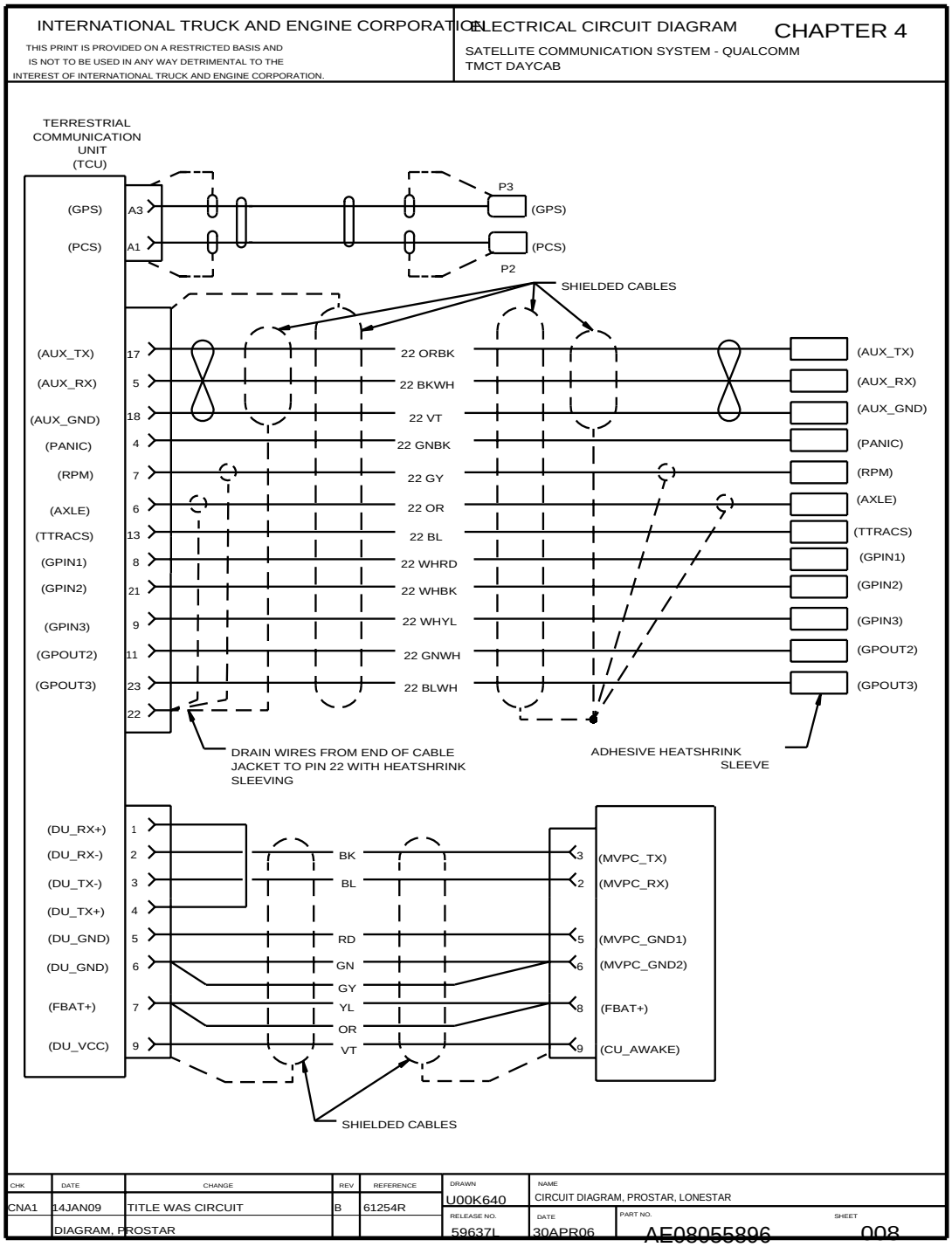

Figure 58 Satellite Communication System — Qualcomm TMCT Daycab

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4.9. SATELLITE COMMUNICATION SYSTEM — QUALCOMM TMCT DAYCAB, P. 9

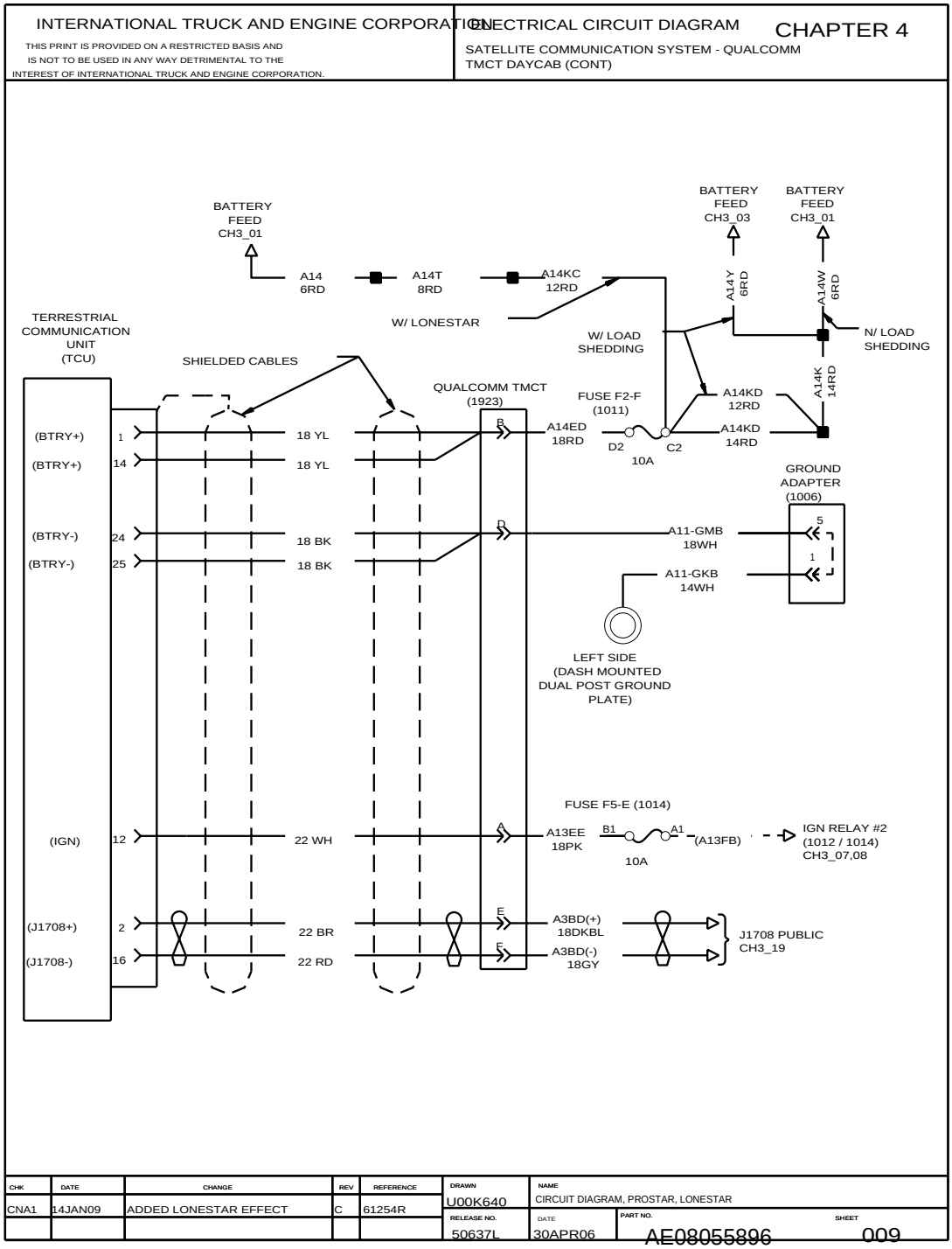

Figure 59 Satellite Communication System — Qualcomm TMCT Daycab

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4.10. SATELLITE COMMUNICATION SYSTEM — QUALCOMM TMCT SLEEPER, P. 10

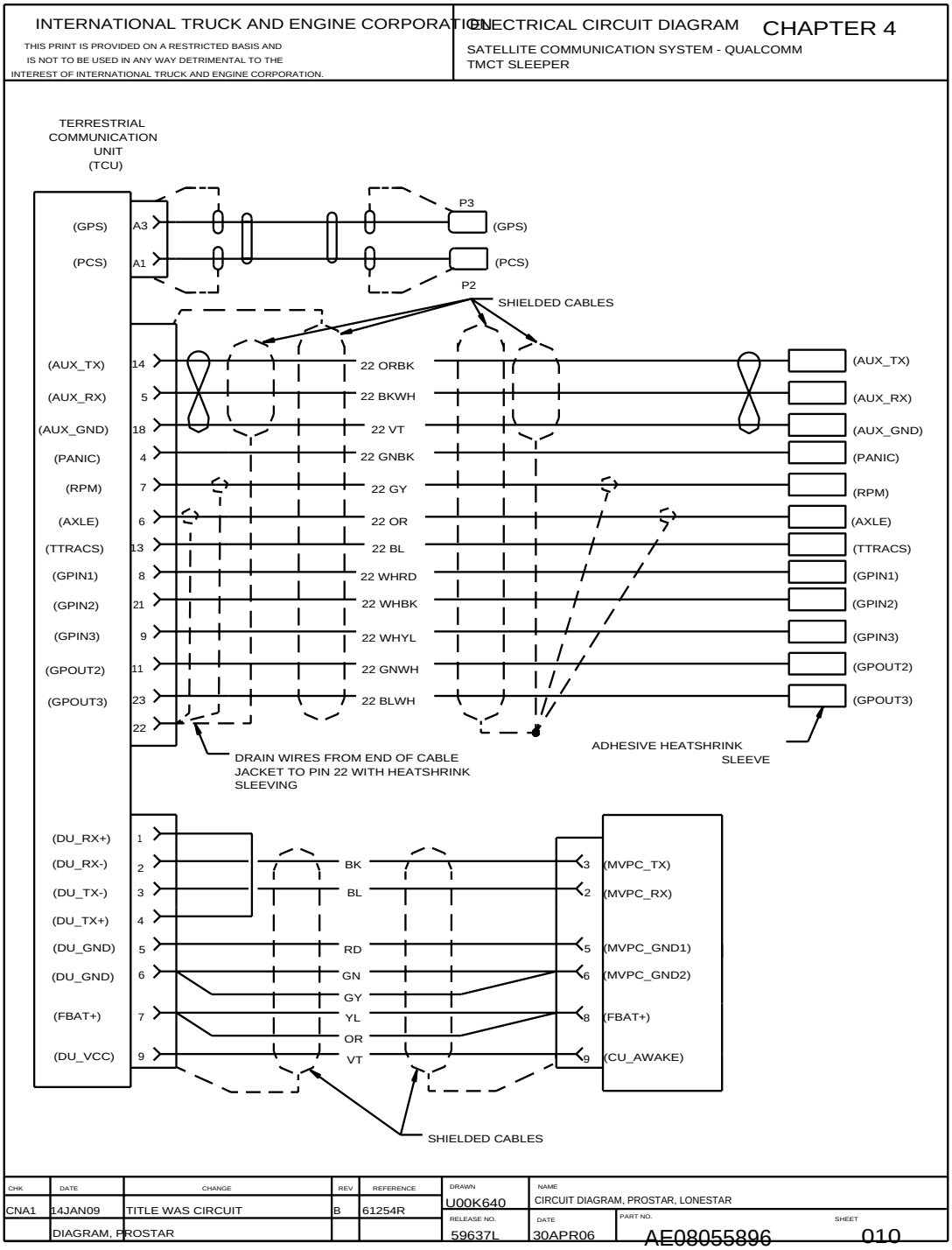

Figure 60 Satellite Communication System — Qualcomm TMCT Sleeper

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4.11. SATELLITE COMMUNICATION SYSTEM — QUALCOMM TMCT SLEEPER, P. 11

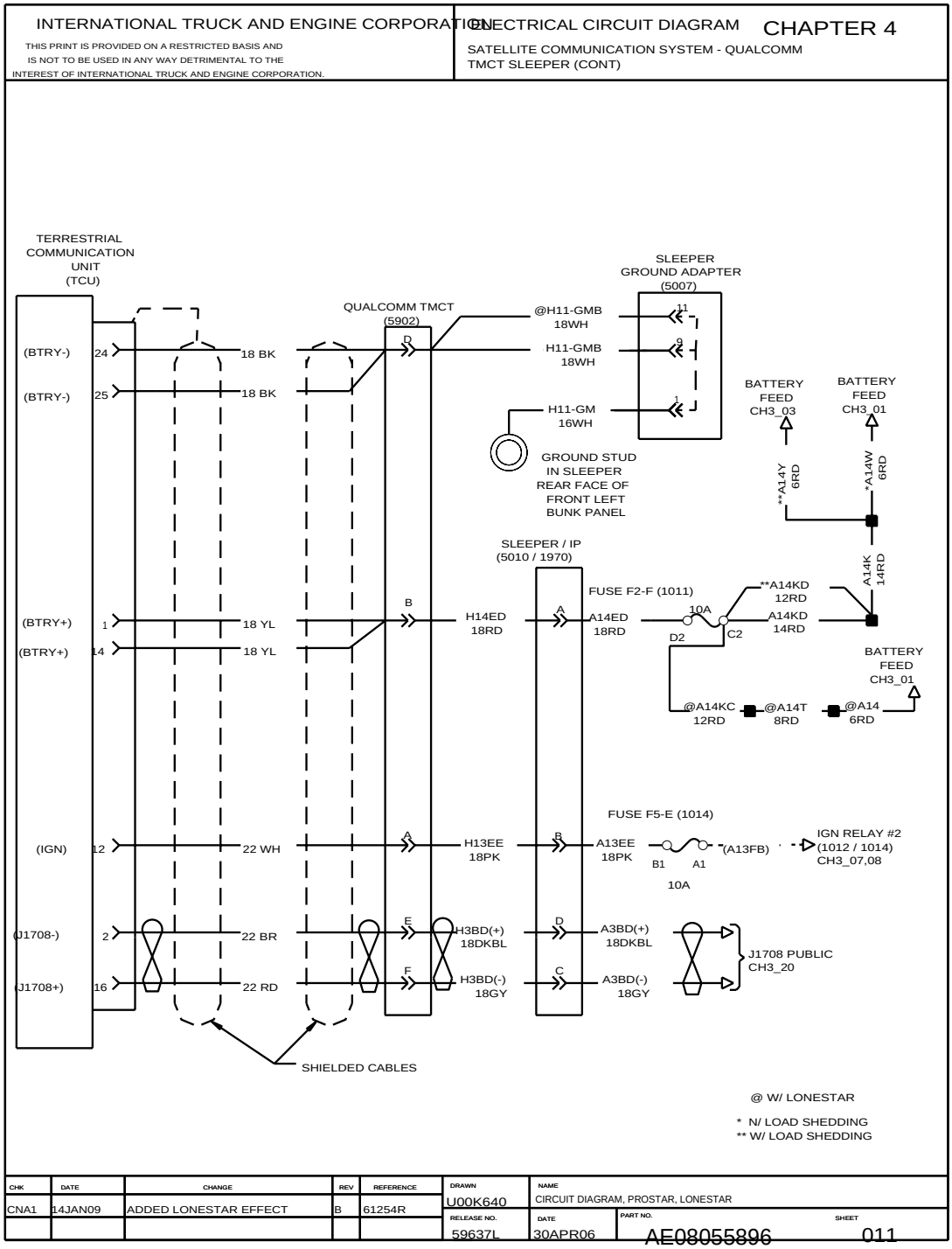

Figure 61 Satellite Communication System — Qualcomm TMCT Sleeper

https://truckmanualshub.com/

4.12. SATELLITE COMMUNICATION SYSTEM — QUALCOMM IMCT, P. 12

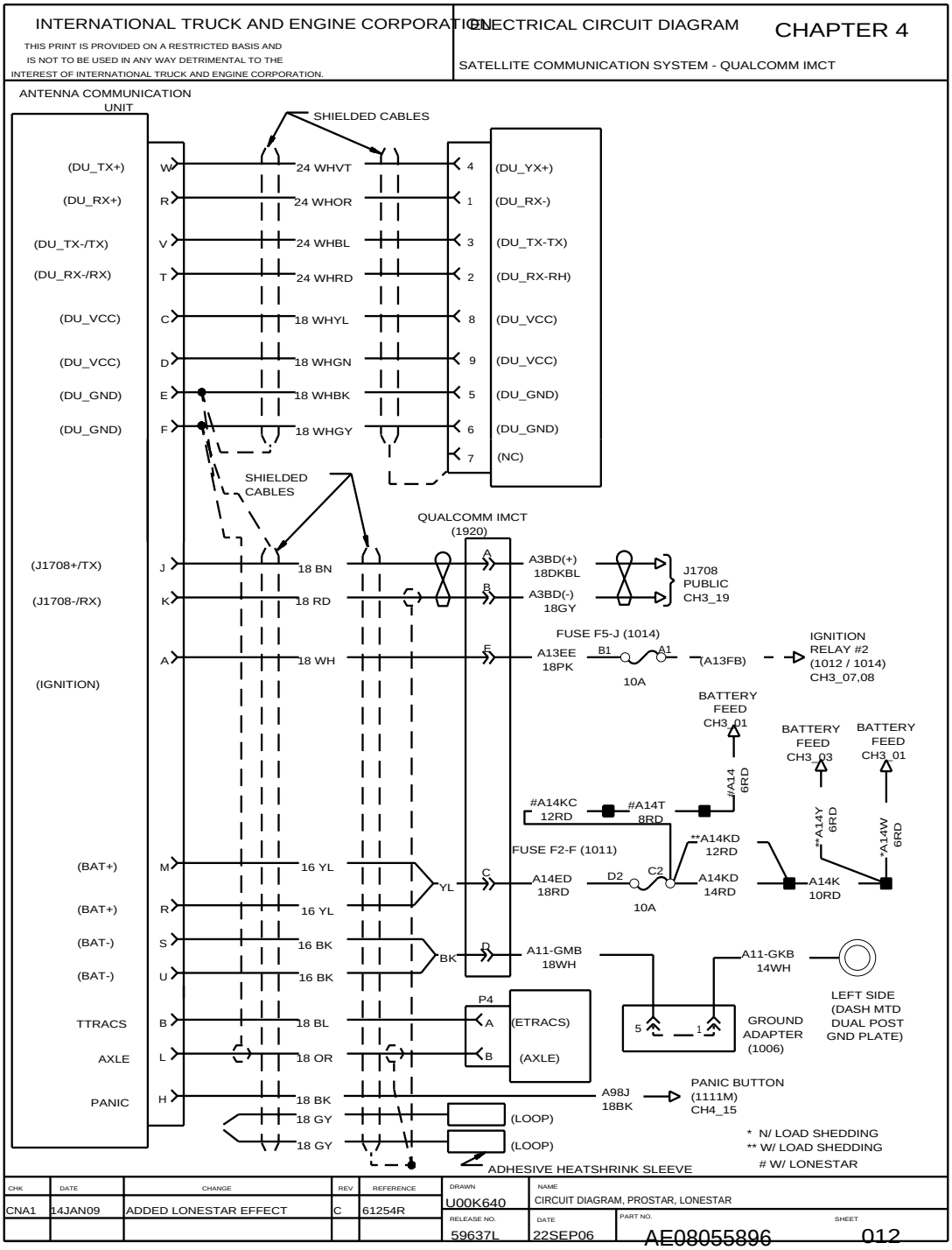

Figure 62 Satellite Communication System — Qualcomm IMCT

https://truckmanualshub.com/

4.13. SATELLITE COMMUNICATION SYSTEM — QUALCOMM IMCT, P. 13

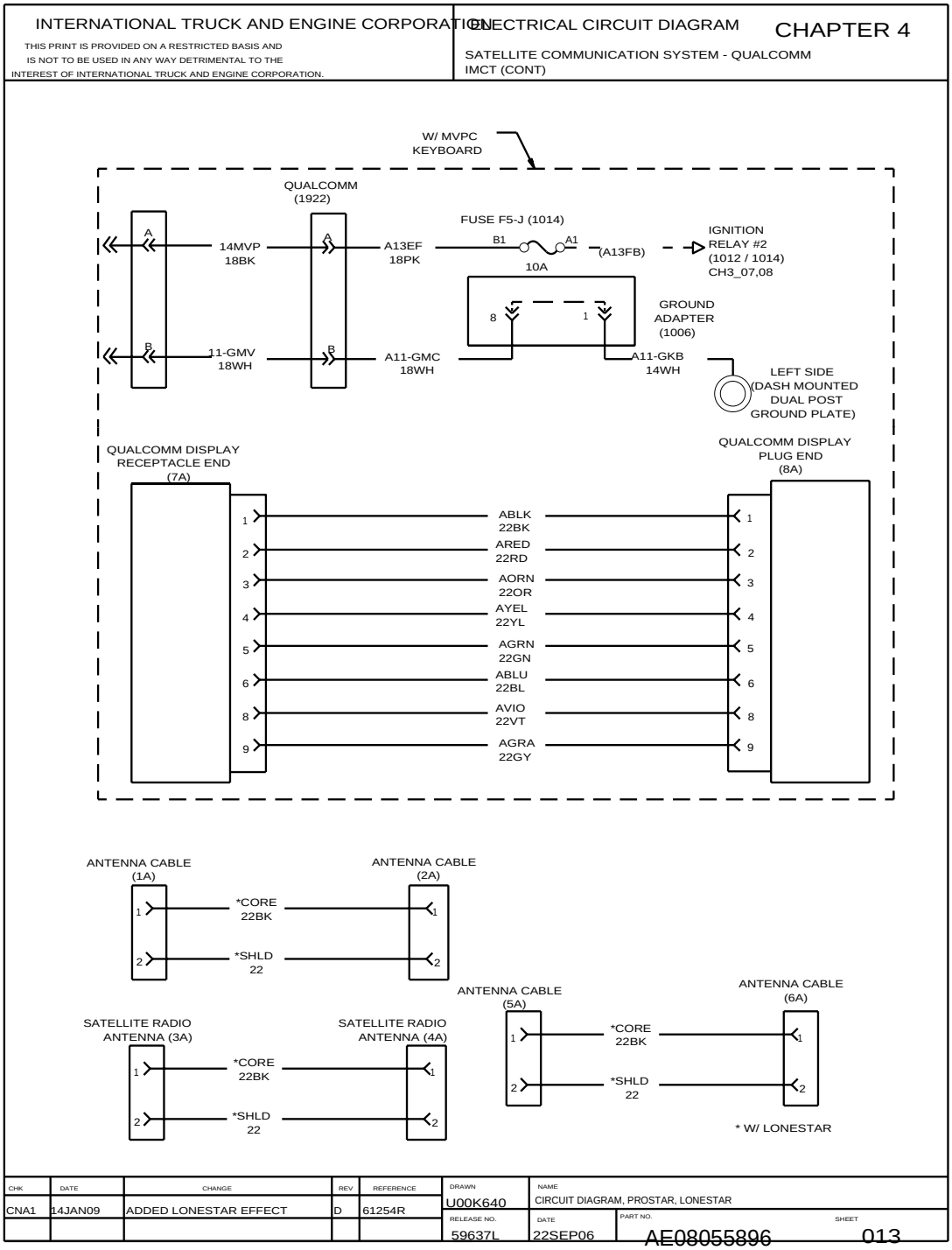

Figure 63 Satellite Communication System — Qualcomm IMCT

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4.14. QUALCOMM IMCT — SLEEPER, P. 14

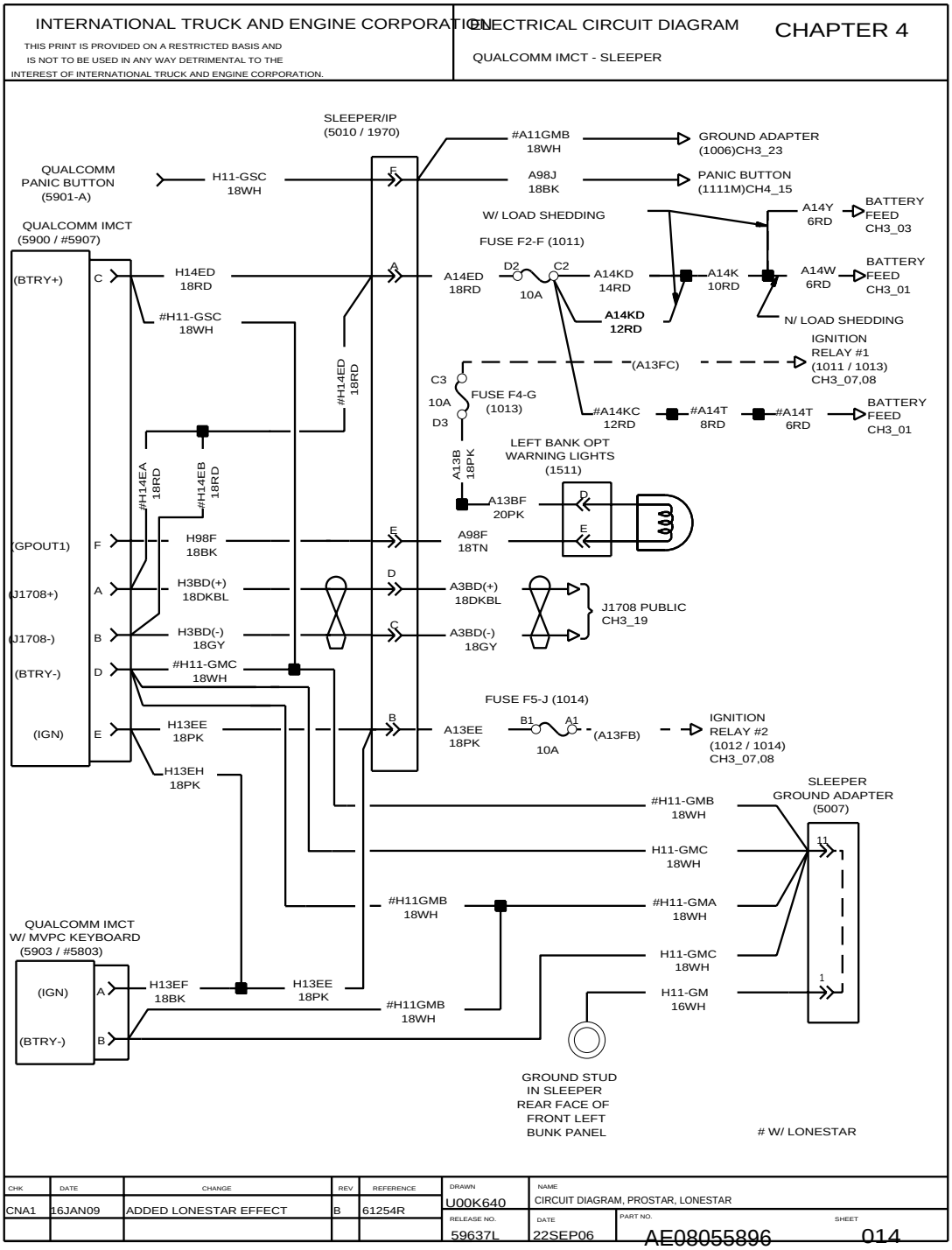

Figure 64 Qualcomm IMCT — Sleeper

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4.15. PANIC BUTTON, P. 15

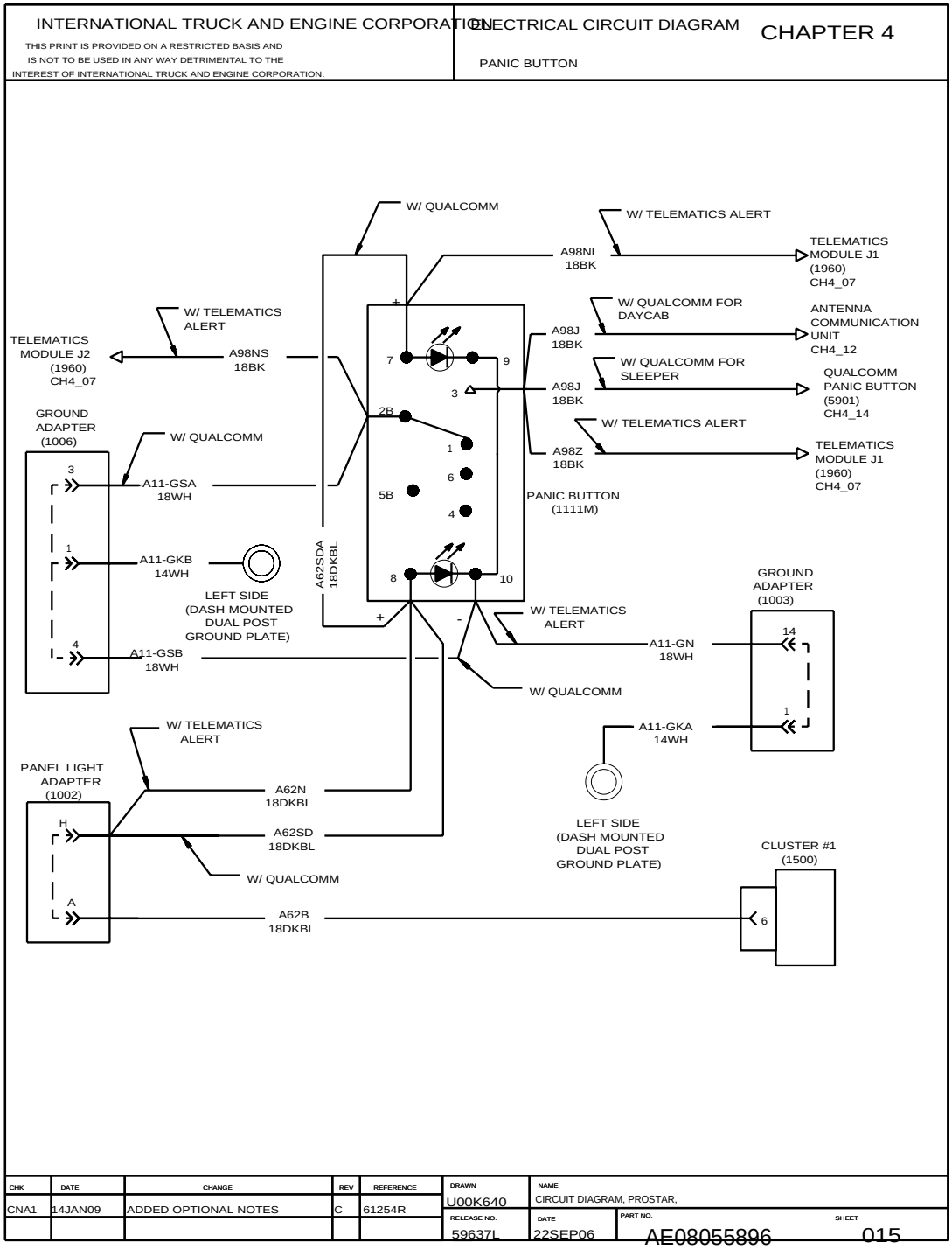

Figure 65 Panic Button

https://truckmanualshub.com/

4.16. SATELLITE COMMUNICATION SYSTEM — XATA WITH DAYCAB, P. 16

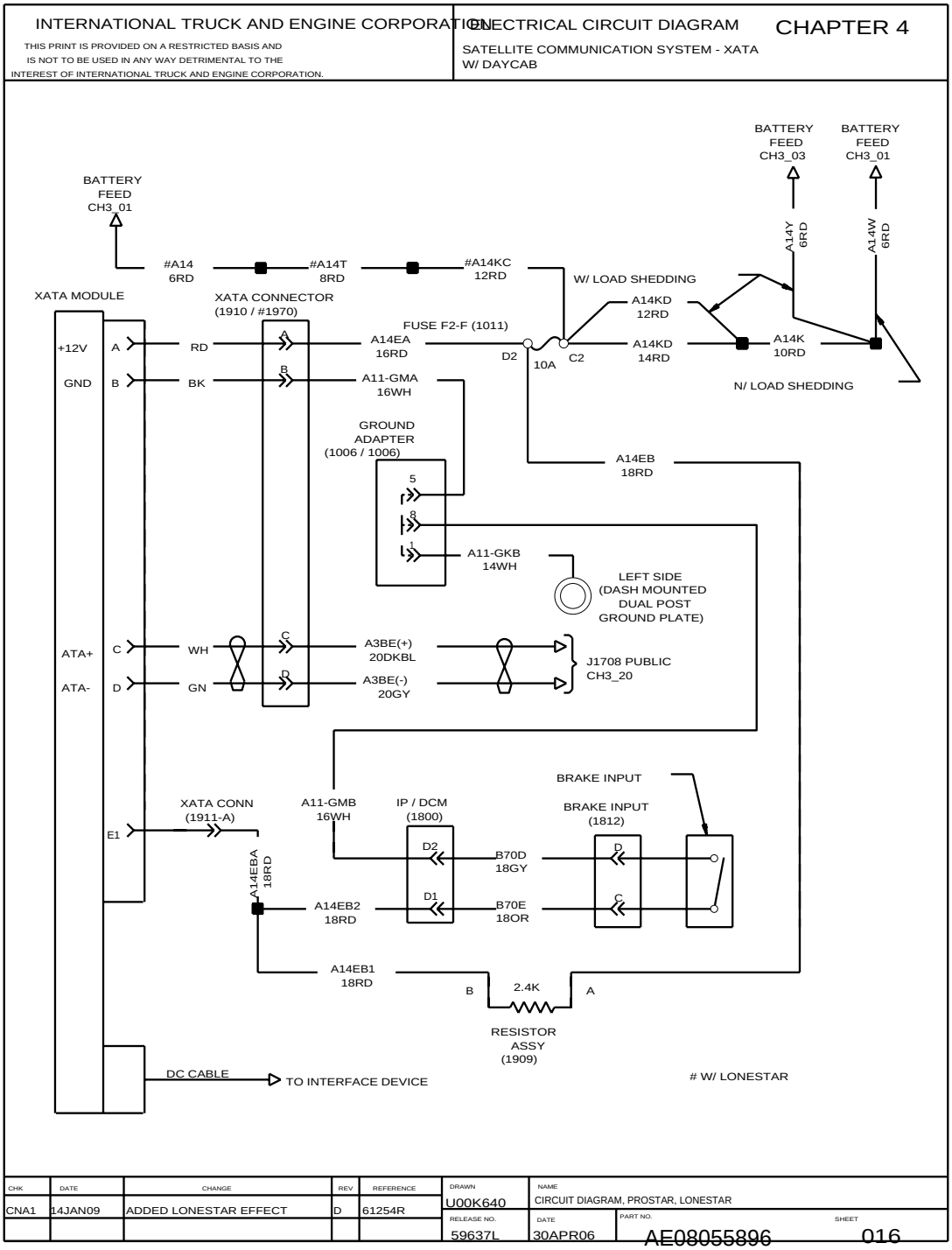

Figure 66 Satellite Communication System — XATA with Daycab

https://truckmanualshub.com/

4.17. SATELLITE COMMUNICATION SYSTEM — XATA WITH SLEEPER, P. 17

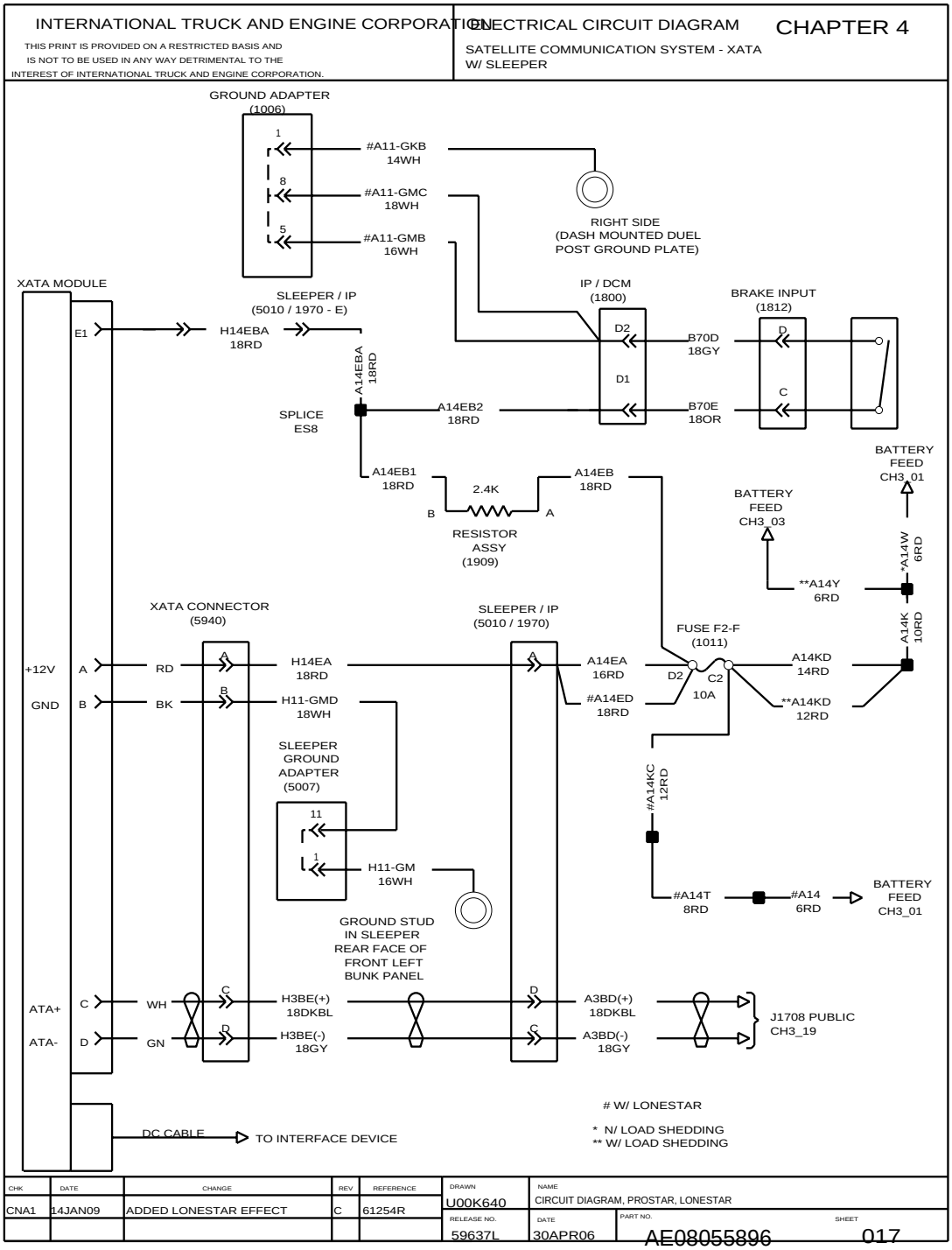

Figure 67 Satellite Communication System — XATA with Sleeper

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4.18. RADIO ENTERTAINMENT, SPEAKERS, P. 18

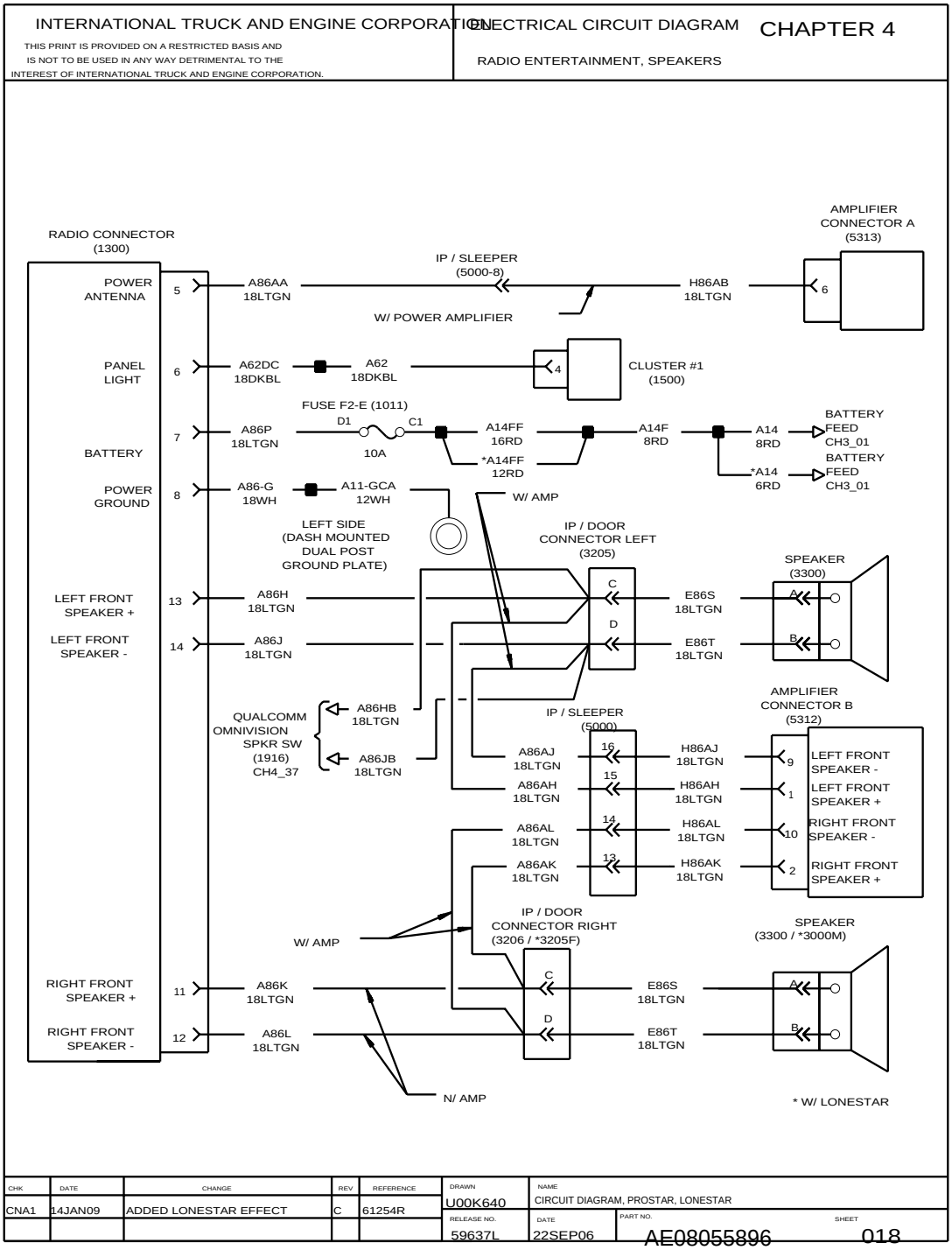

Figure 68 Radio Entertainment, Speakers

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4.19. RADIO ENTERTAINMENT, SPEAKERS, P. 18A

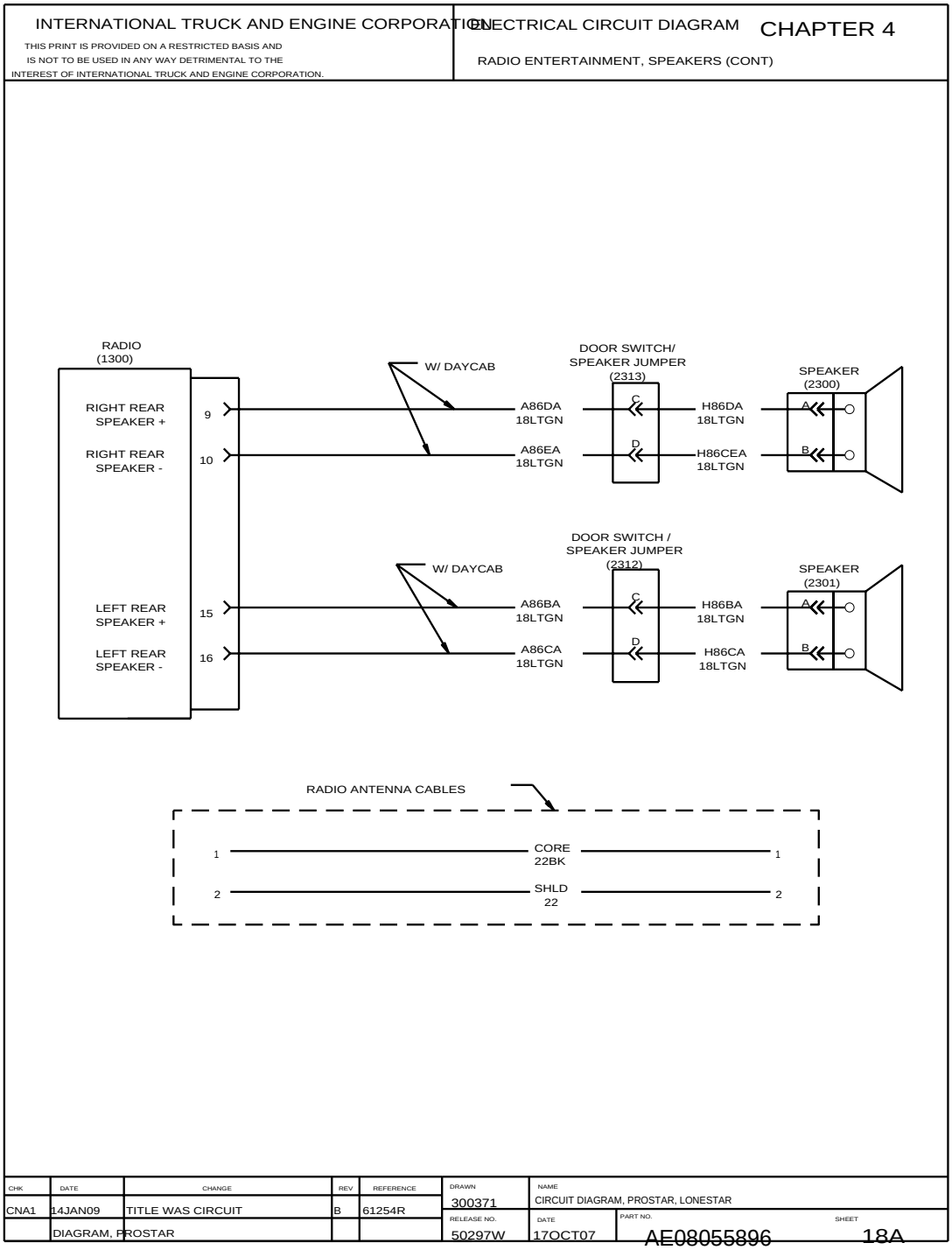

Figure 69 Radio Entertainment, Speakers

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4.20. RADIO ENTERTAINMENT, SPEAKERS, P. 19

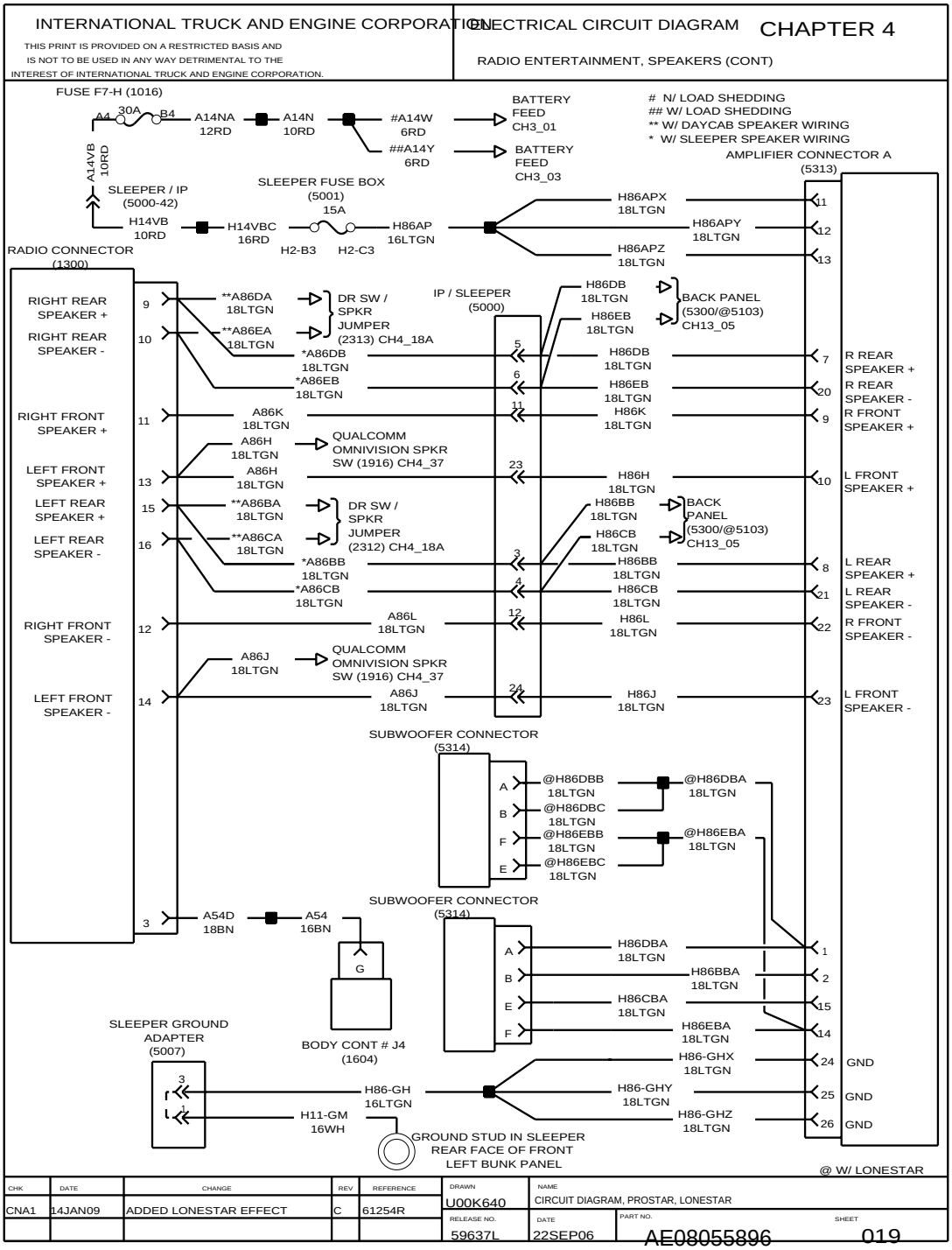

Figure 70 Radio Entertainment, Speakers

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4.21. RADIO ENTERTAINMENT, SPEAKERS, P. 19A

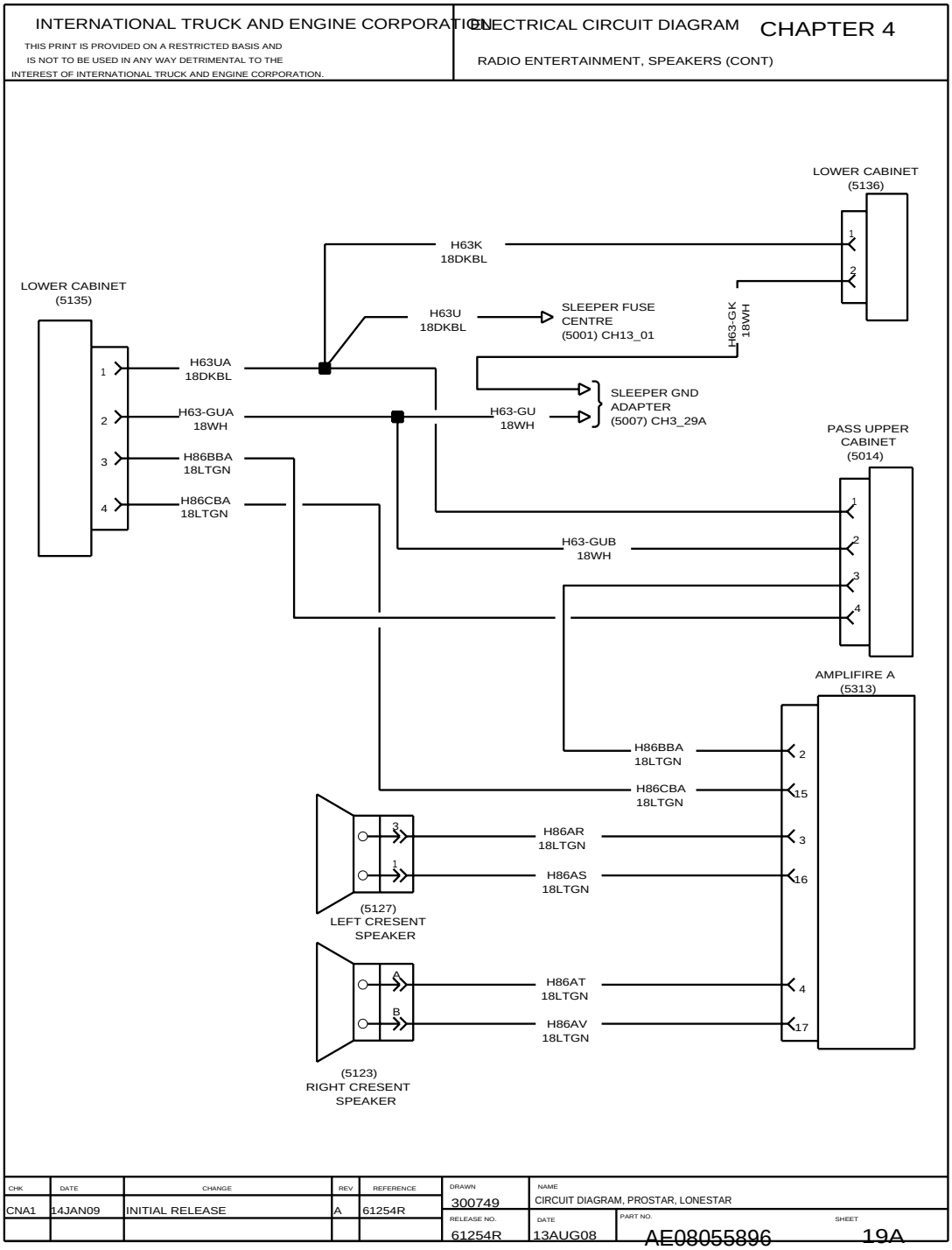

Figure 71 Radio Entertainment, Speakers

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4.22. SWITCH PACK, P. 20

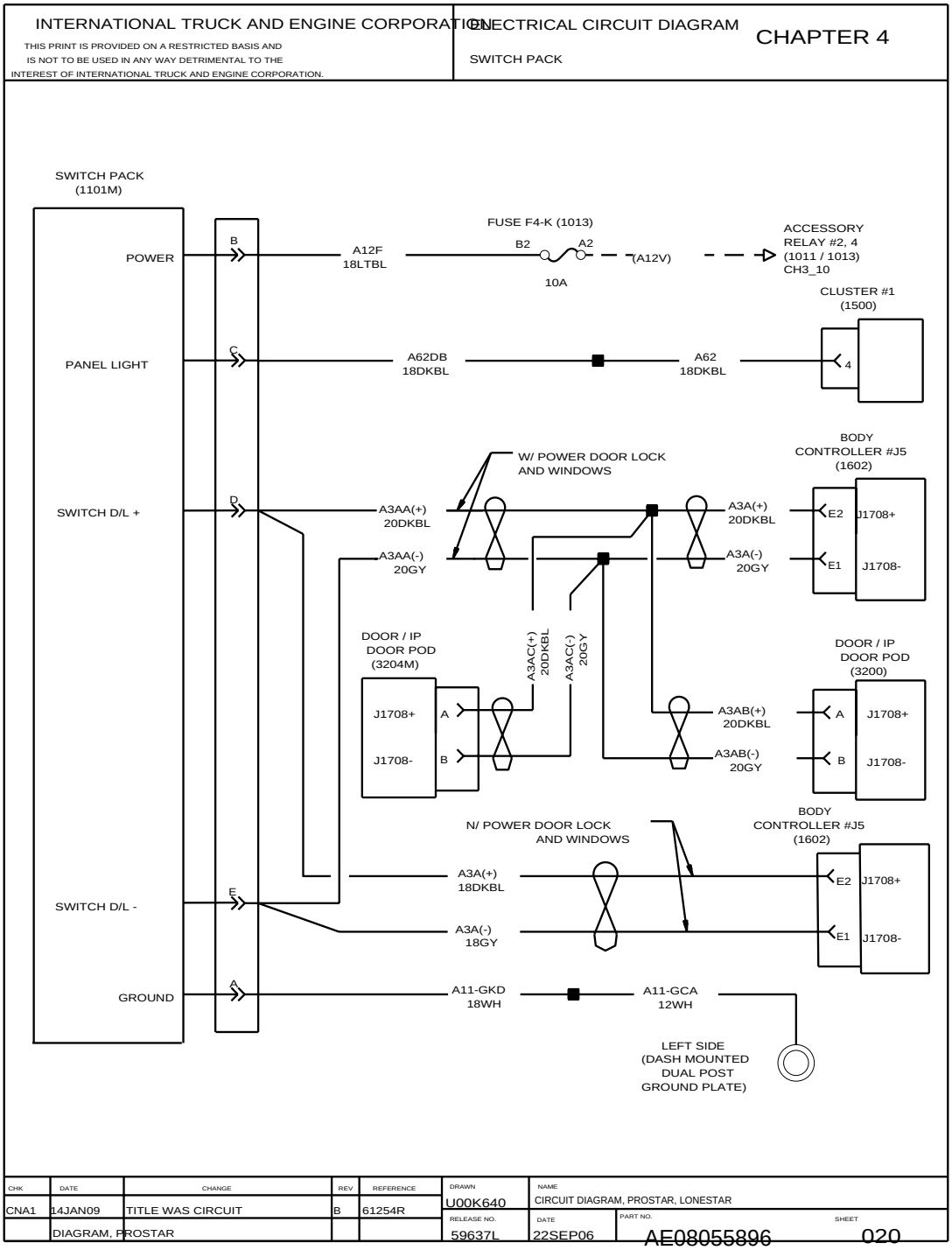

Figure 72 Switch Pack

https://truckmanualshub.com/

4.23. WINDSHIELD WIPER MOTOR, P. 21

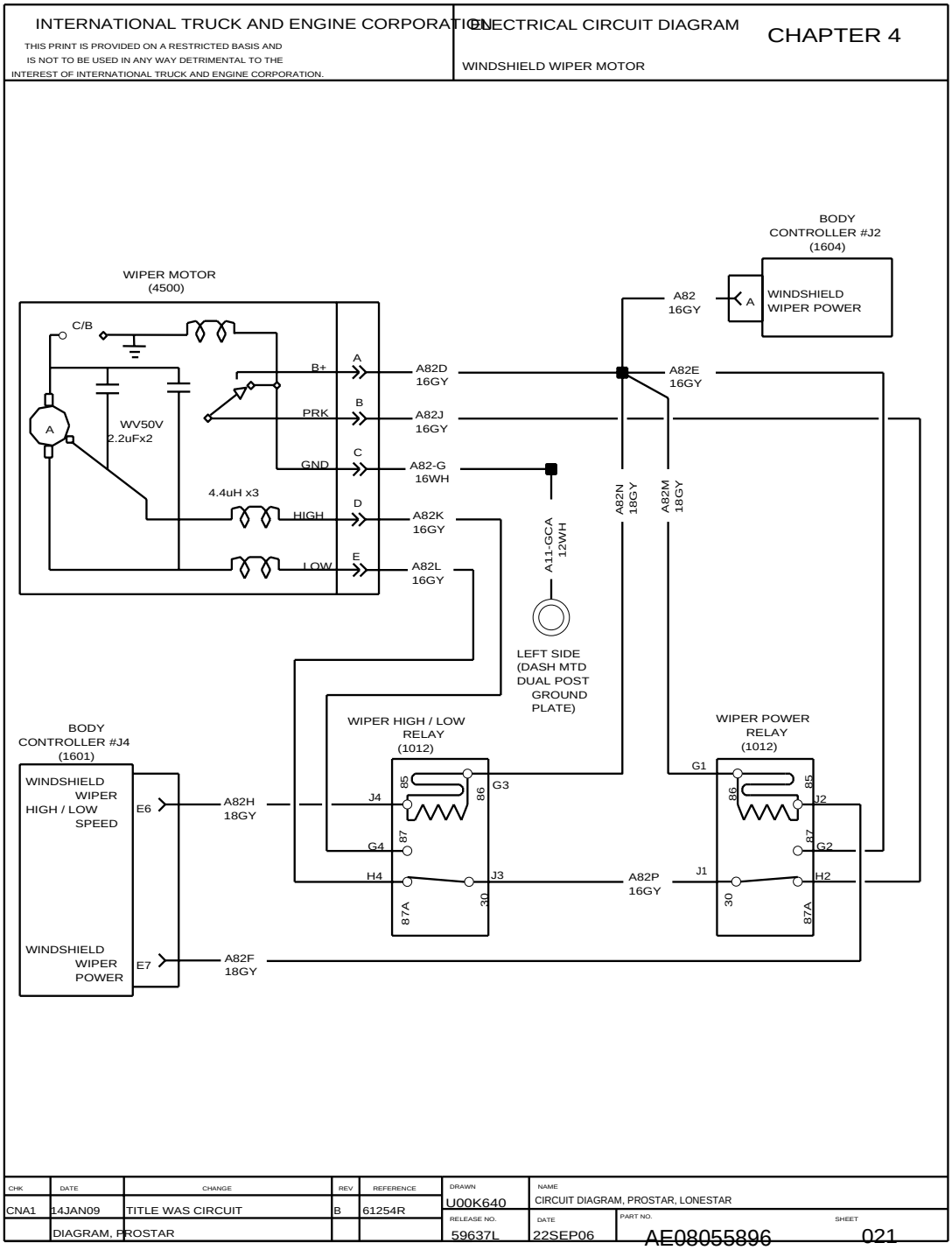

Figure 73 Windshield Wiper Motor

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4.24. WINDSHIELD WASHER PUMP, P. 22

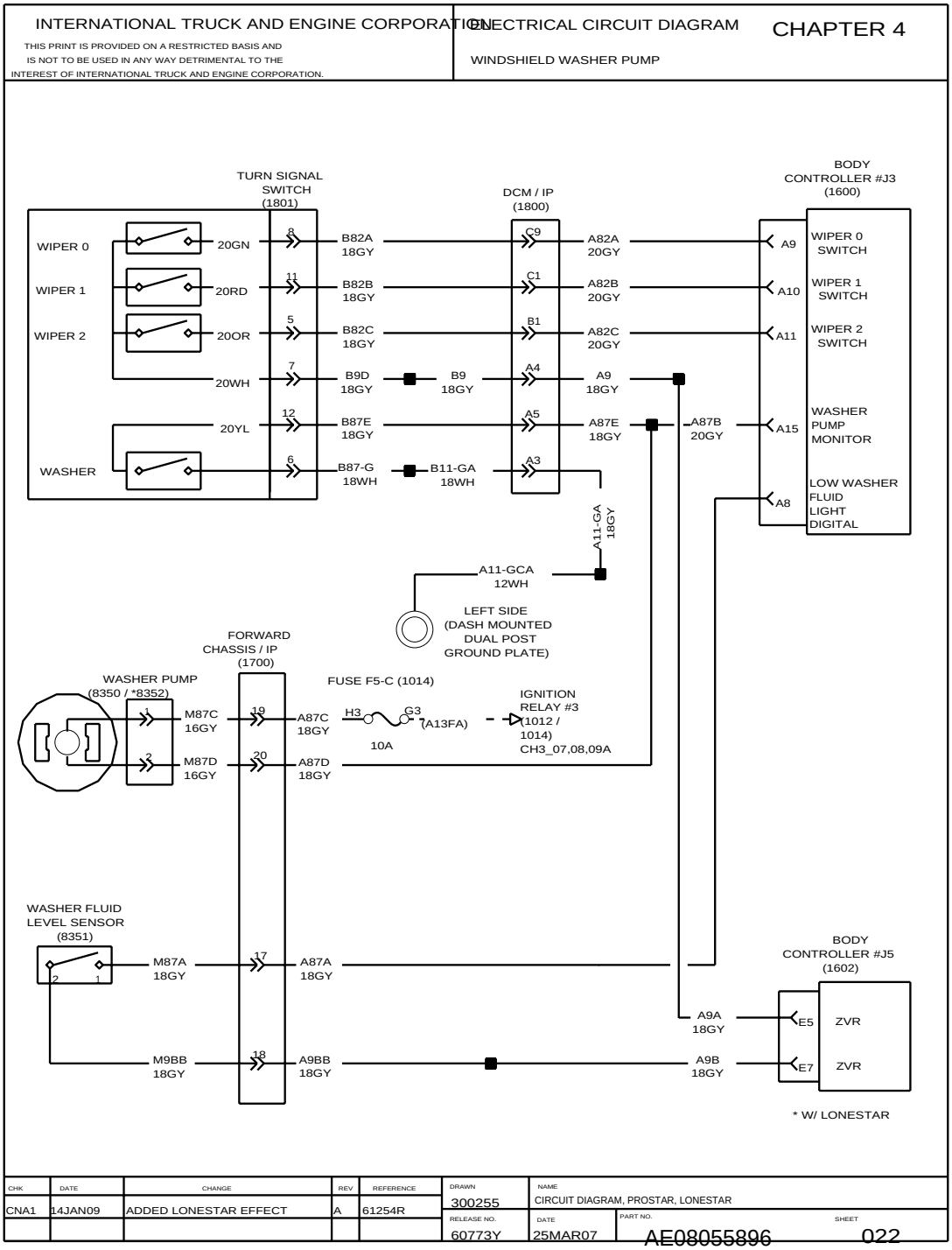

Figure 74 Windshield Washer Pump

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4.25. DISPLAY, VEHICLE INFORMATION (VID), P. 23

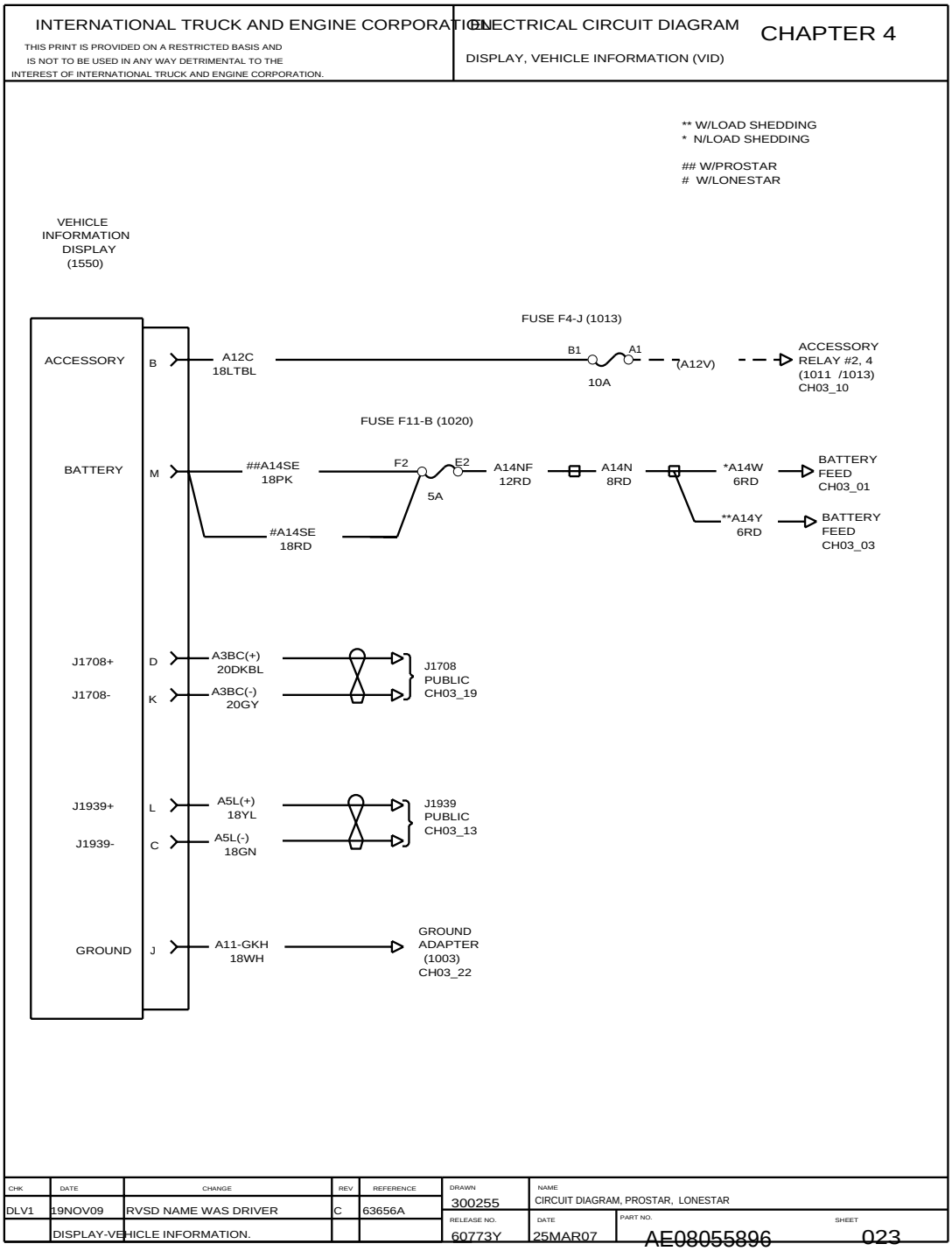

Figure 75 Display, Vehicle Information (VID)

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4.26. DISPLAY, DRIVER INTERFACE (DID), P. 23A

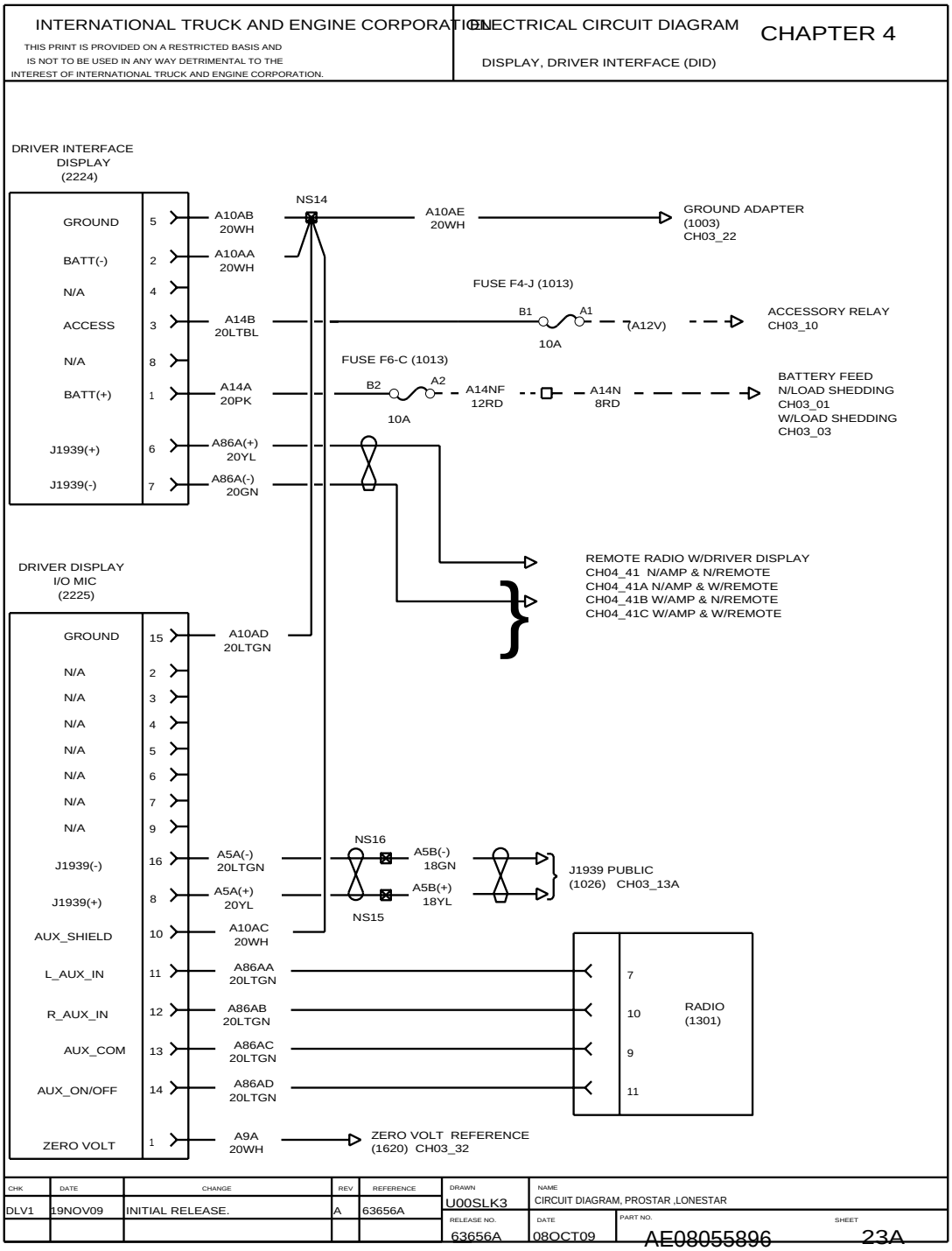

Figure 76 Display, Driver Interface (DID)

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4.27. CAT MESSENGER DISPLAY, P. 24

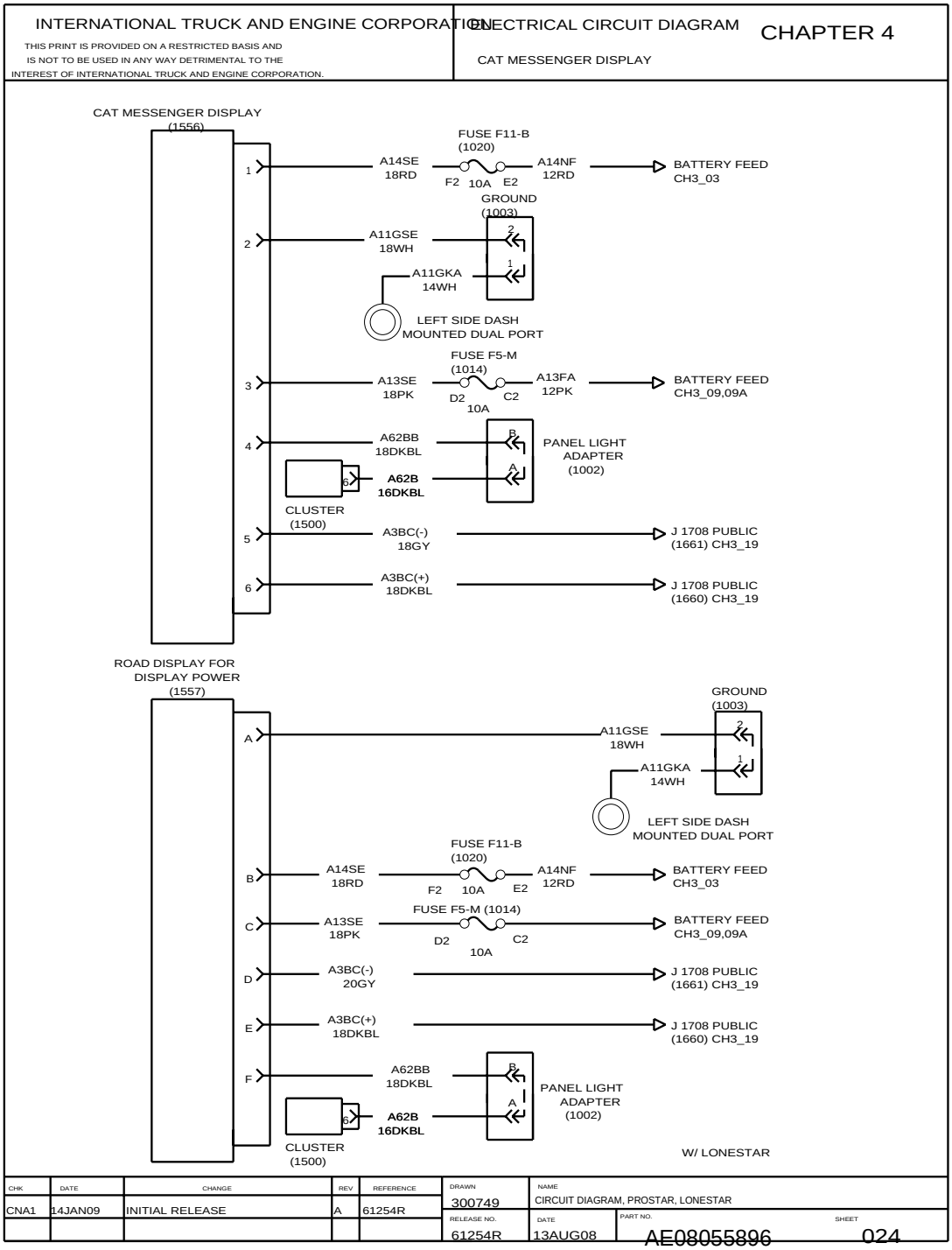

Figure 77 CAT Messenger Display

https://truckmanualshub.com/

4.28. BEACON LIGHT SWITCH — FOR DUAL CUSTOMER ACCESSORY, P. 25

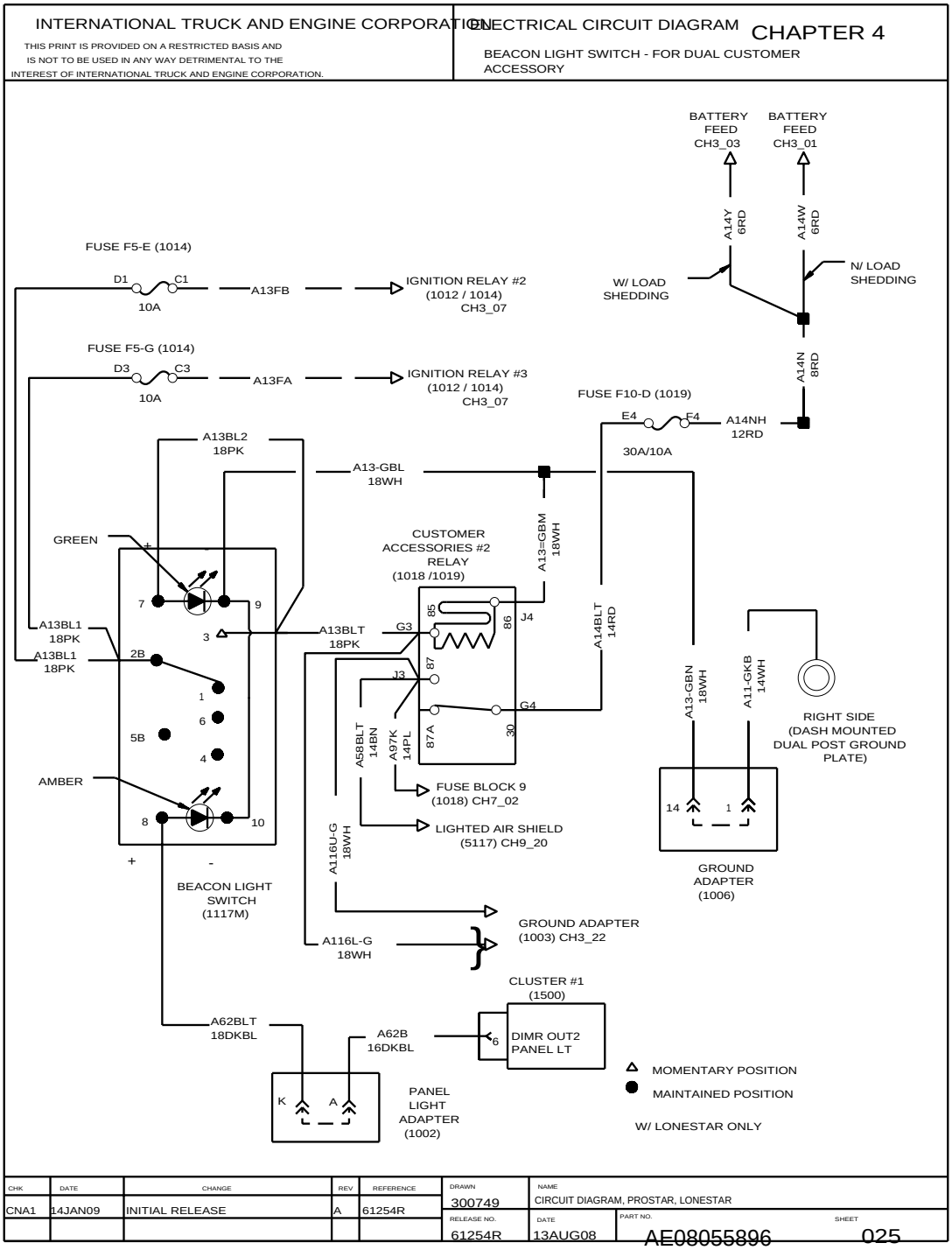

Figure 78 Beacon Light Switch — for Dual Customer Accessory

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4.29. DOOR SWITCHES — DOME LAMP, P. 26

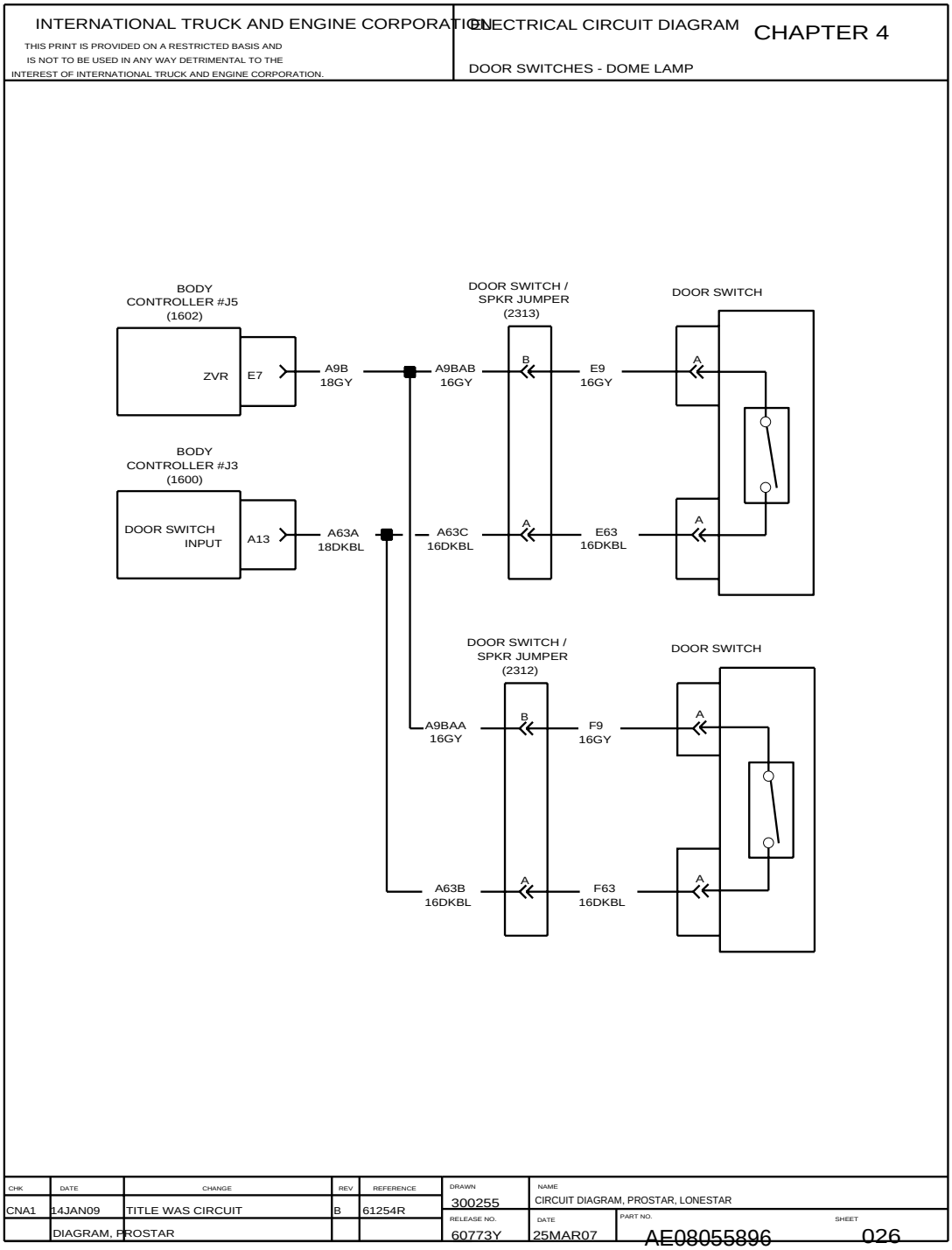

Figure 79 Door Switches — Dome Lamp

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4.30. SPARE SWITCH — FOR SINGLE CUSTOMER ACCESSORY, P. 27

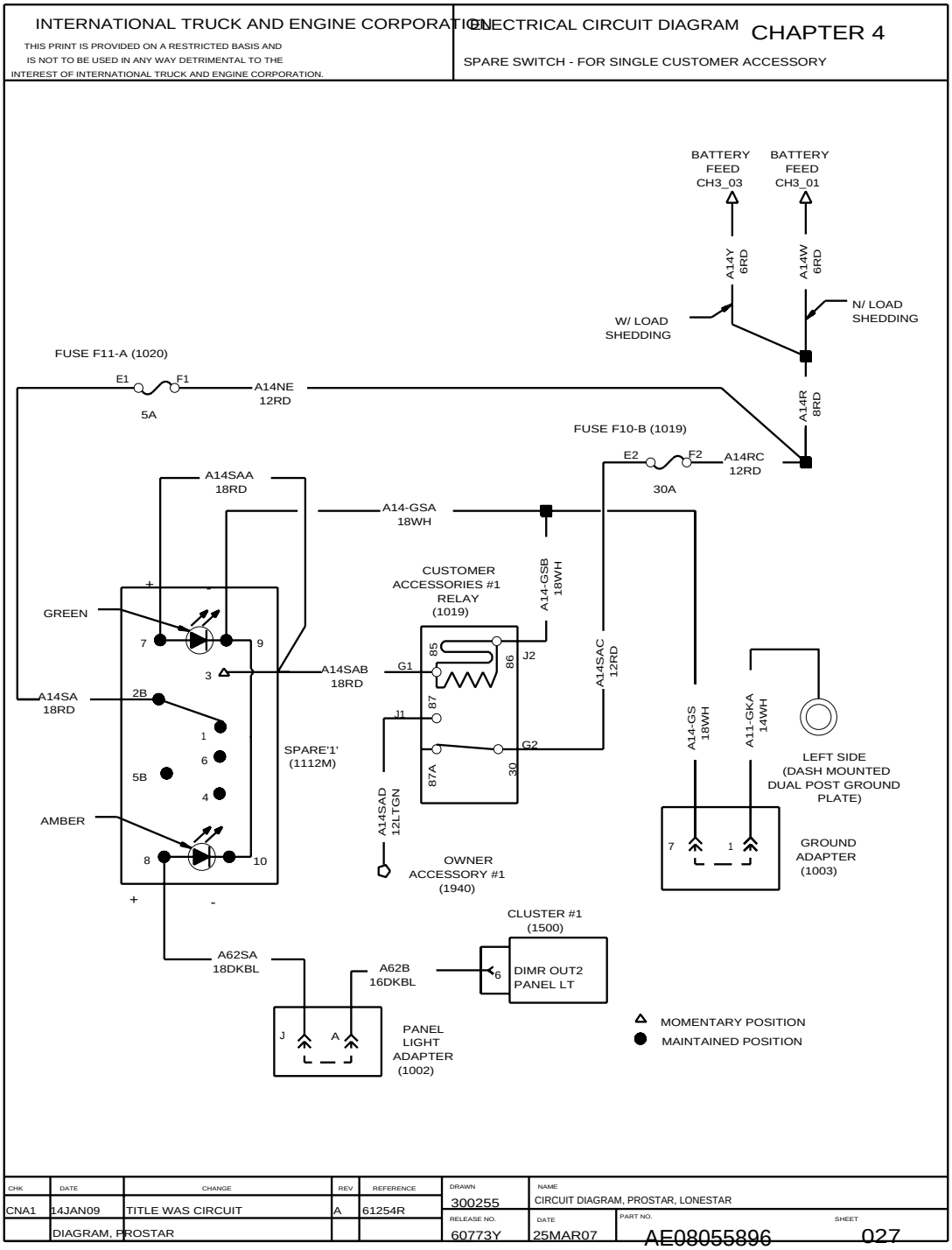

Figure 80 Spare Switch — For Single Customer Accessory

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4.31. SPARE SWITCH — FOR DUAL CUSTOMER ACCESSORY, P. 28

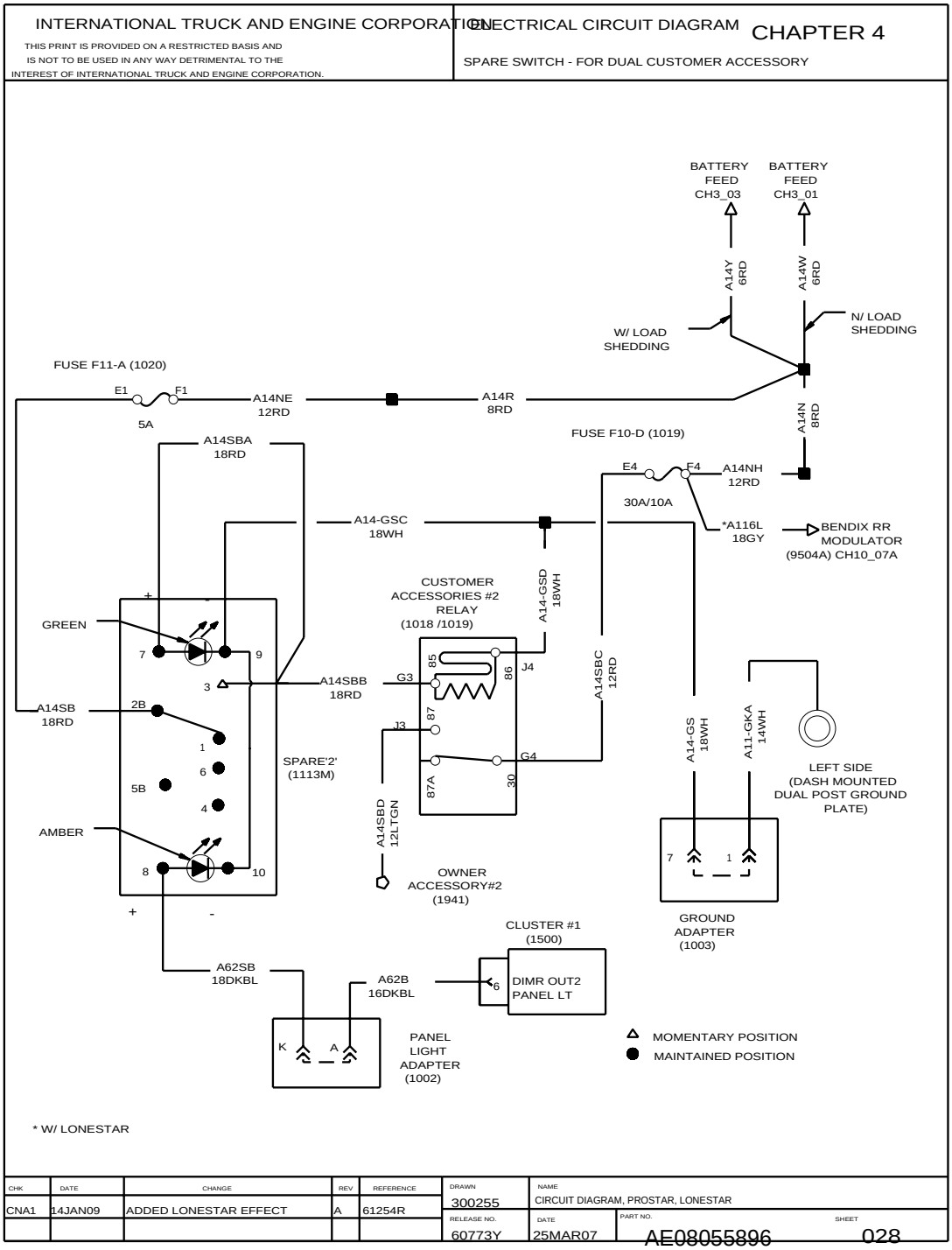

Figure 81 Spare Switch — For Dual Customer Accessory

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4.32. EATON VORAD EVT-300 SYSTEM, P. 29

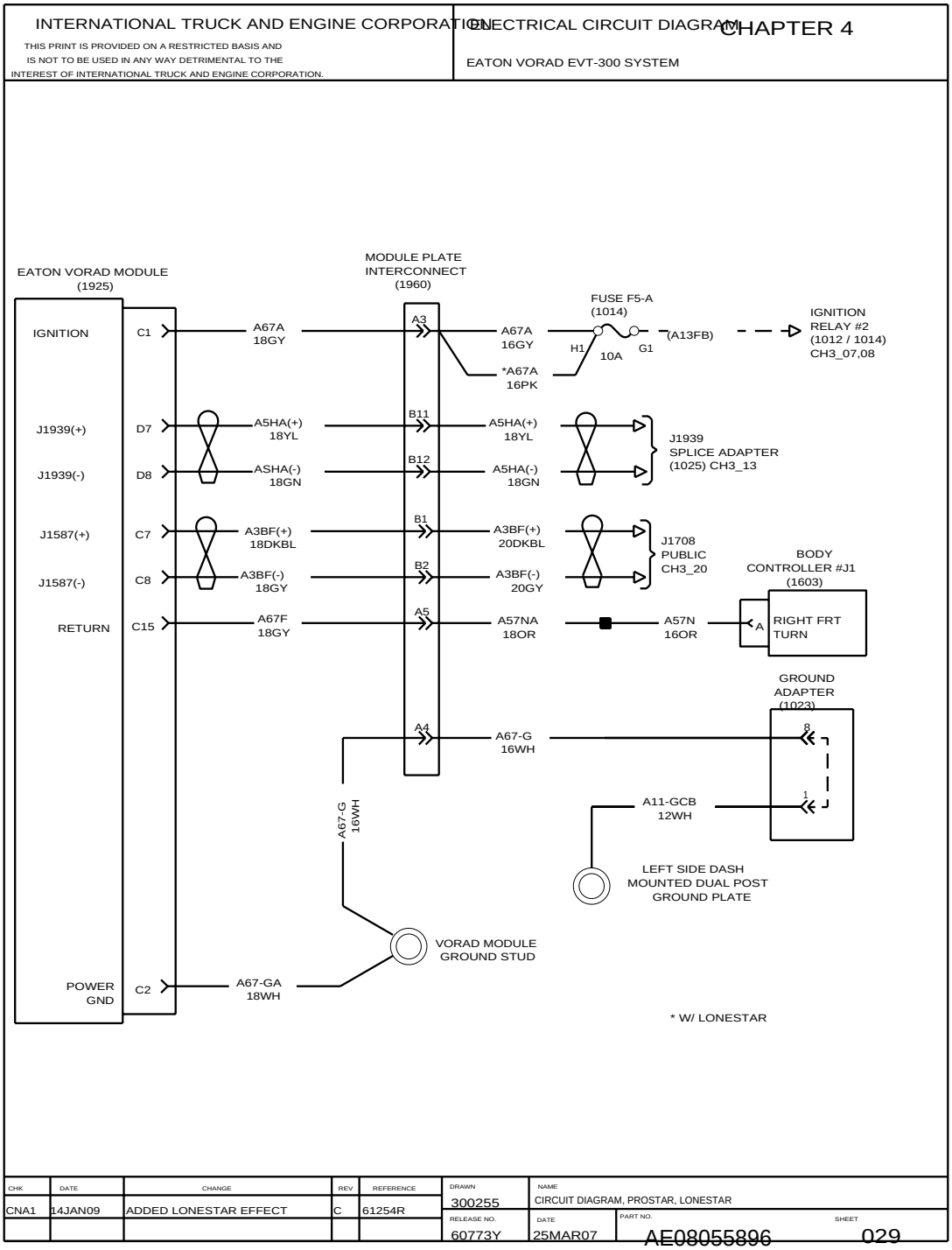

Figure 82 Eaton Vorad EVT-300 System

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4.33. EATON VORAD EVT-300 SYSTEM, P. 30

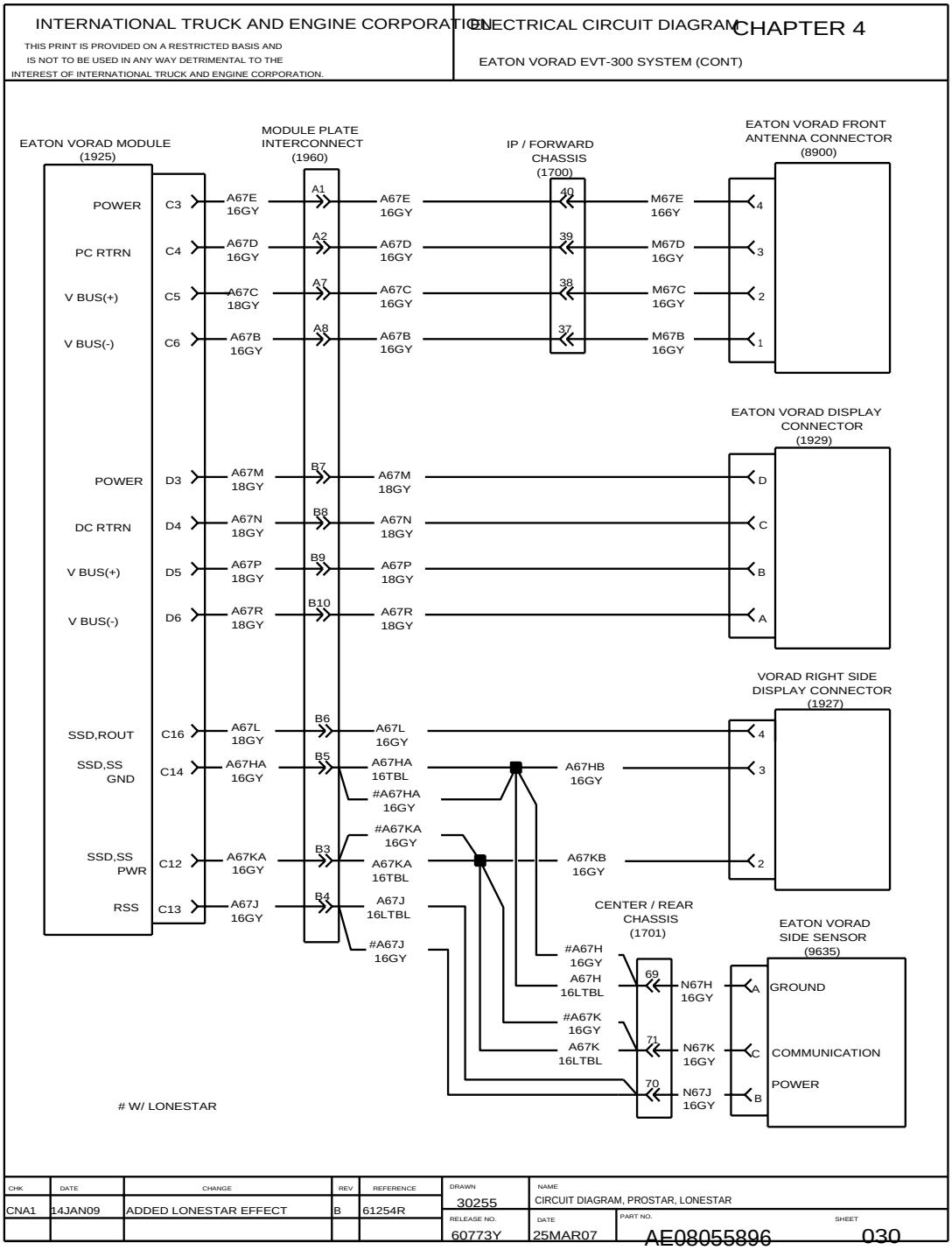

Figure 83 Eaton Vorad EVT-300 System

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4.34. EATON VORAD VS-400, P. 31

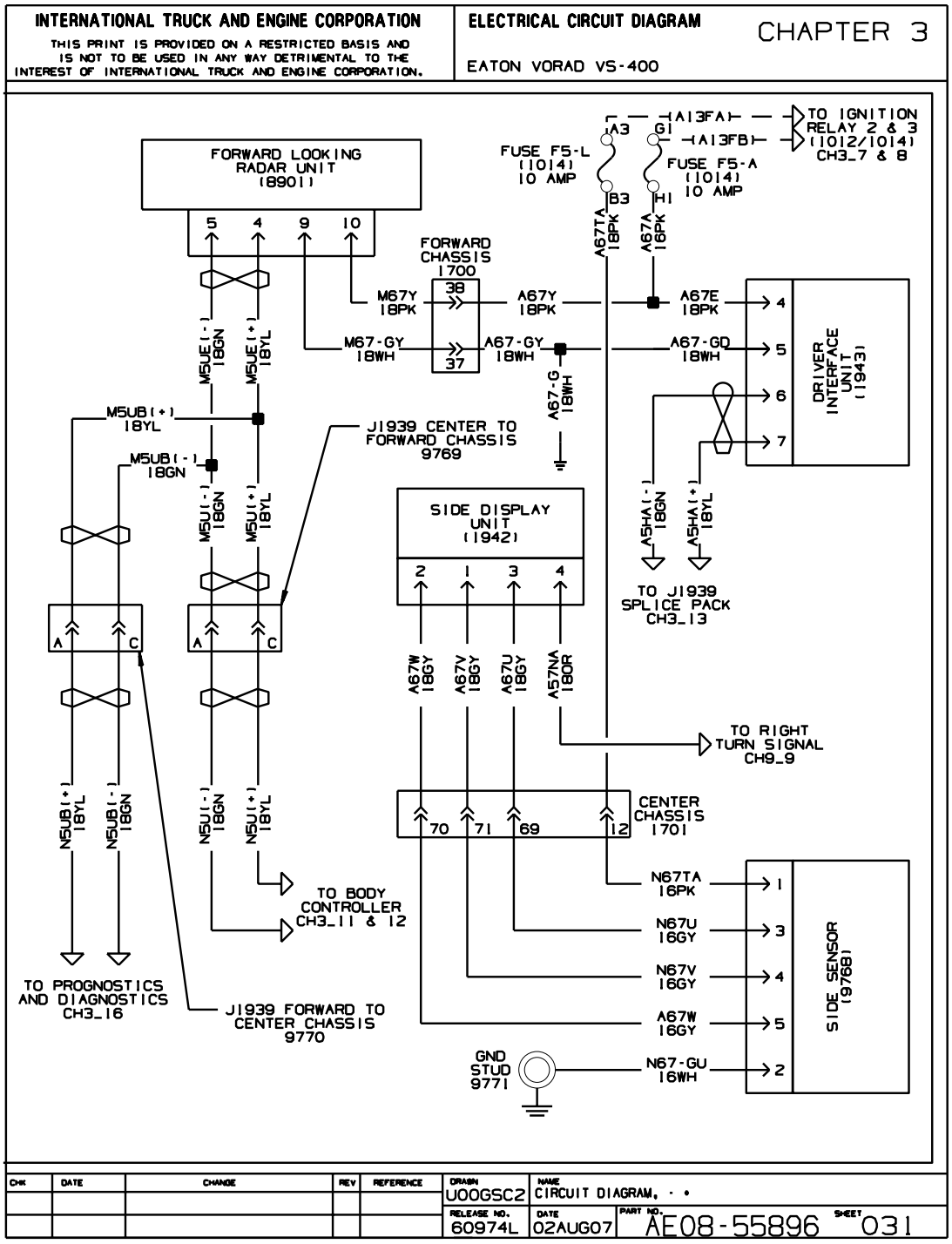

Figure 84 Eaton Vorad VS-400

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4.35. WABCO ONGUARD WARNING SYSTEM, P. 31A

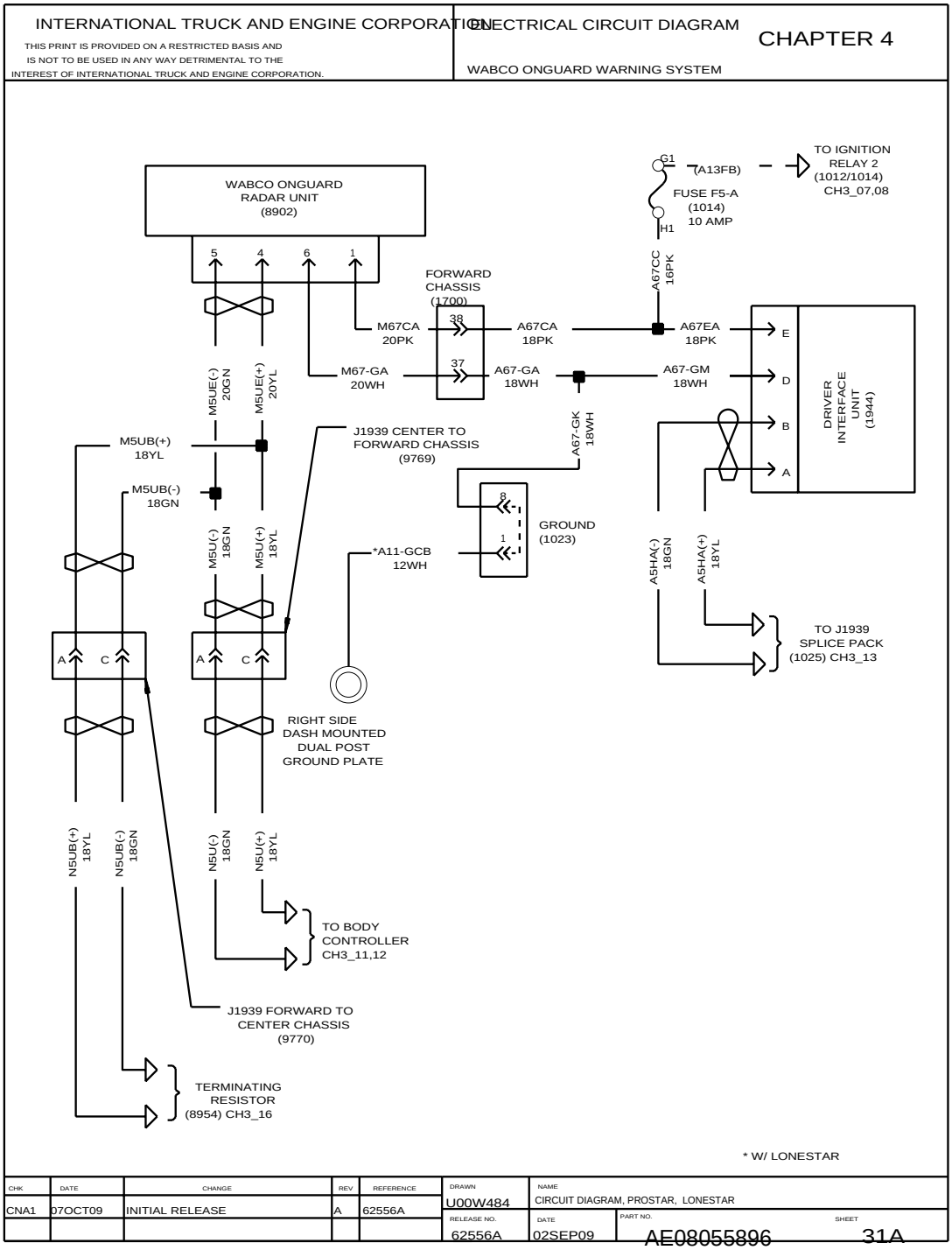

Figure 85 WABCO Onguard Warning System

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4.36. AWARE II, P. 32

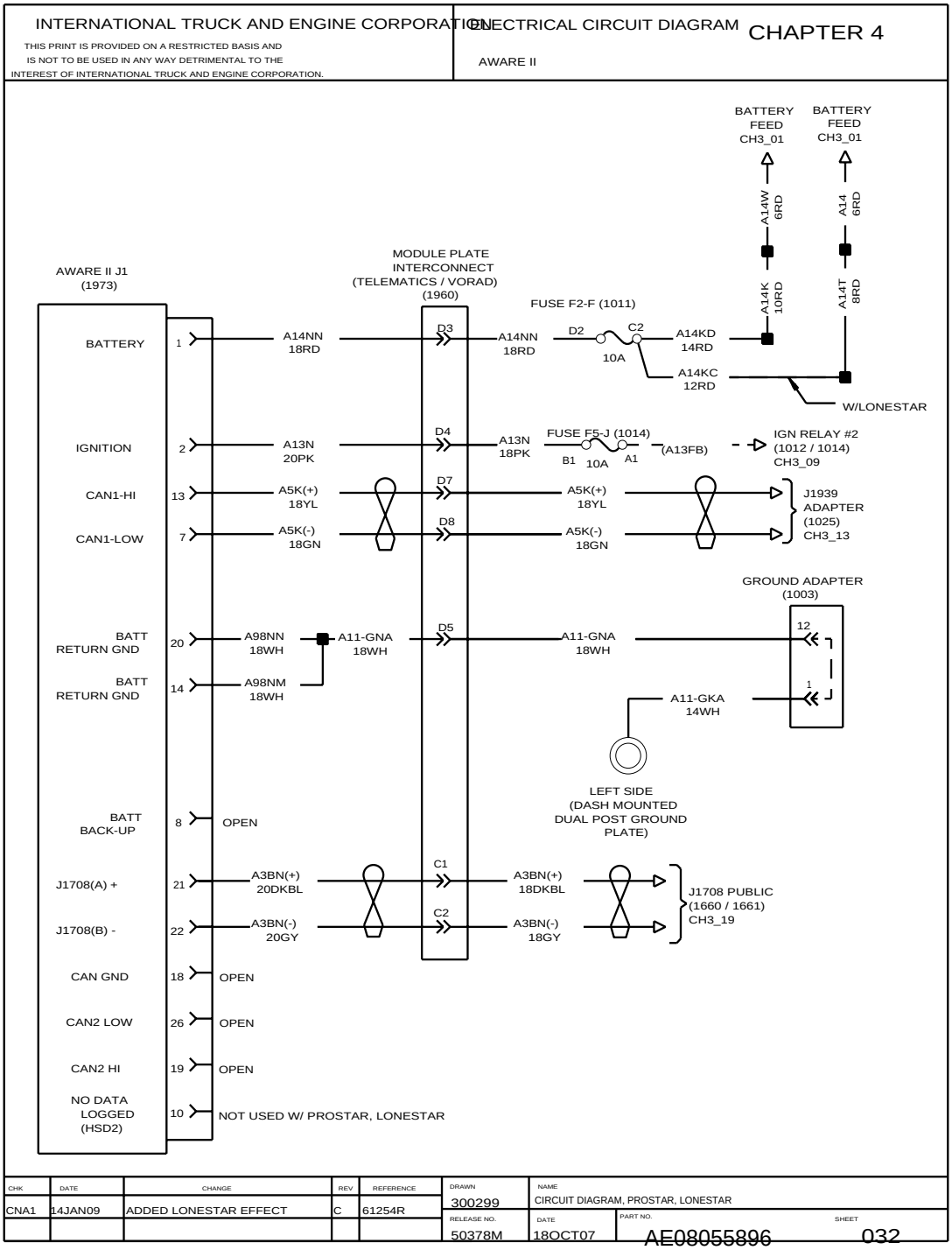

Figure 86 AWARE II

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4.37. AWARE II, P. 33

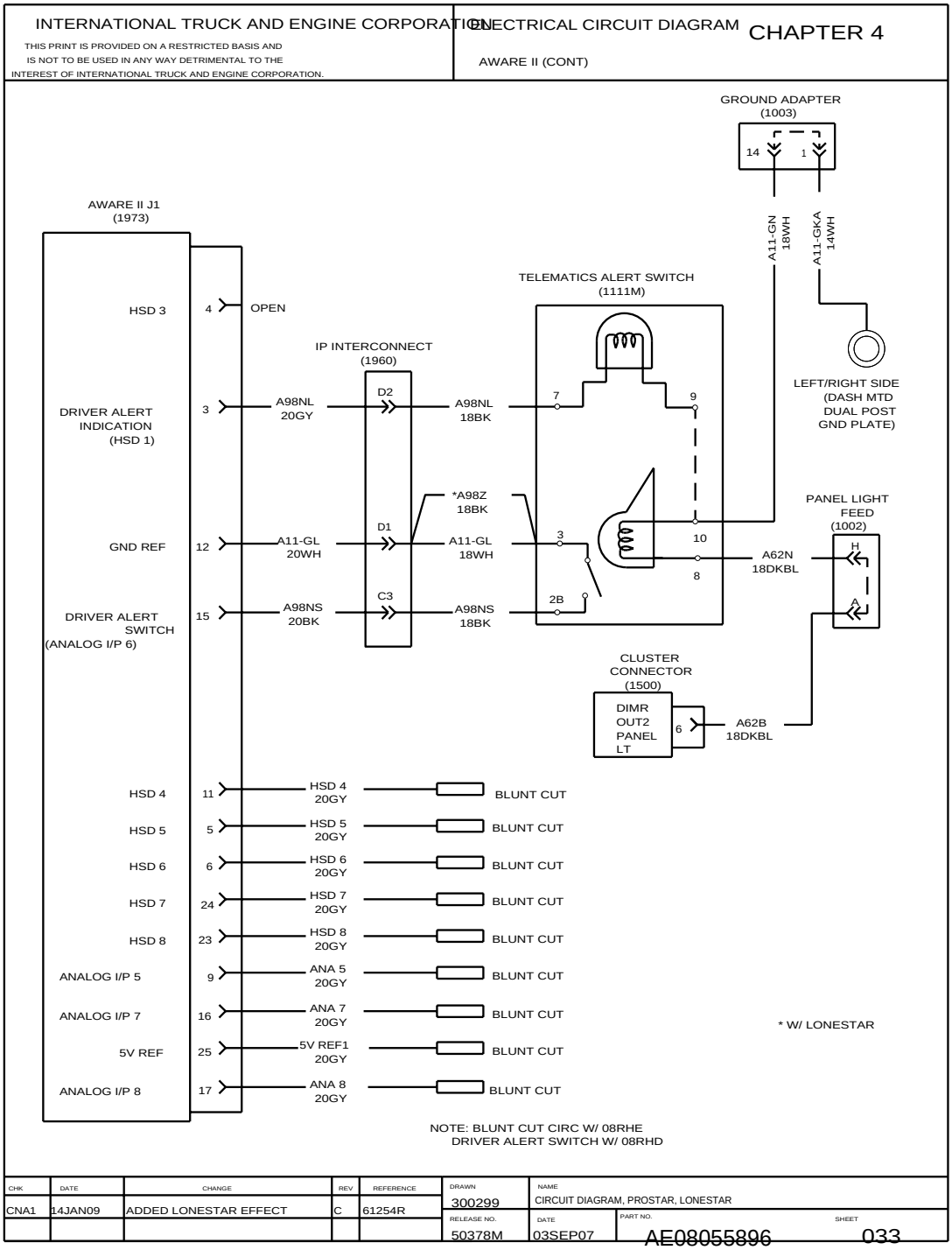

Figure 87 AWARE II

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4.38. AWARE II, P. 34

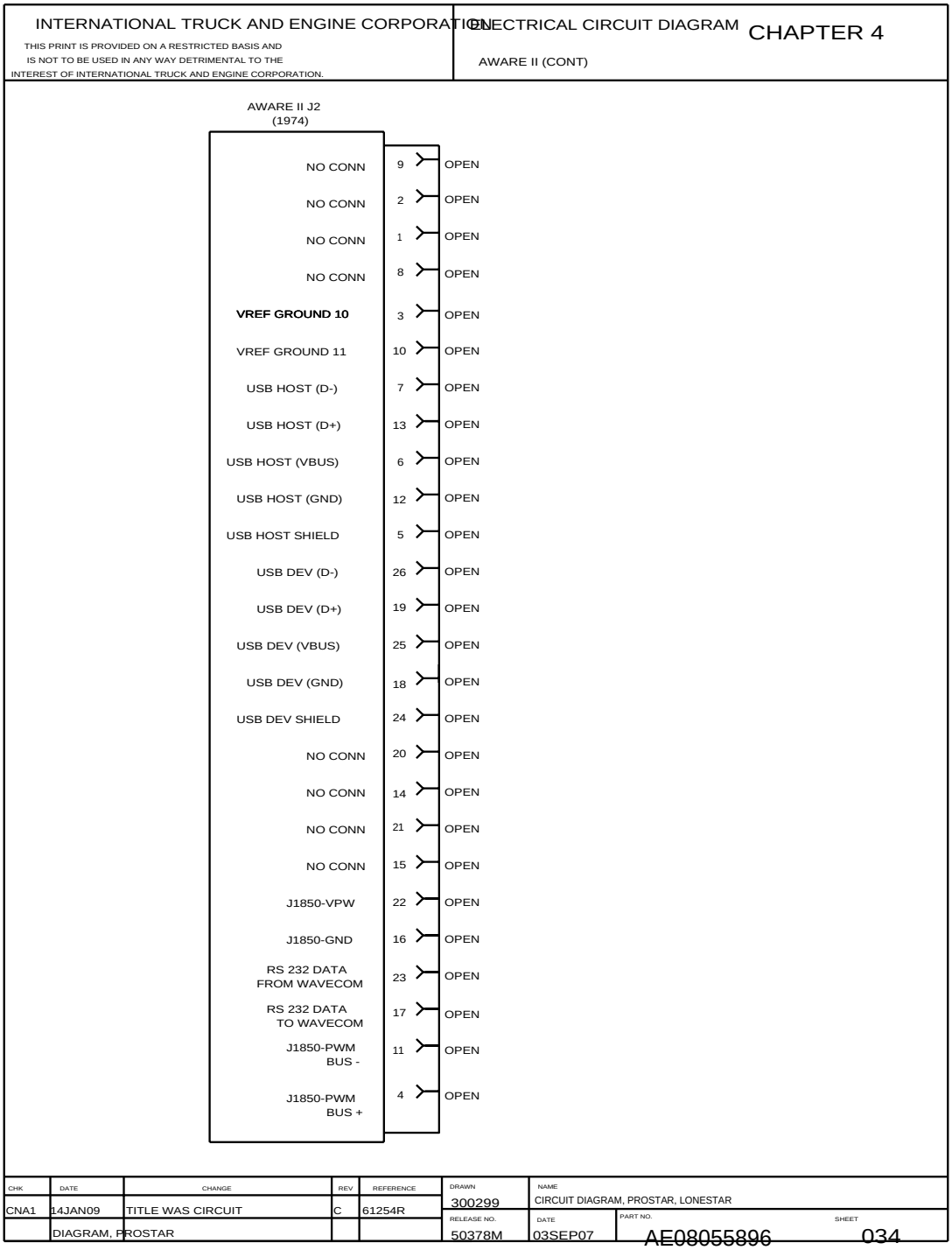

Figure 88 AWARE II

https://truckmanualshub.com/

4.39. AWARE II, P. 35

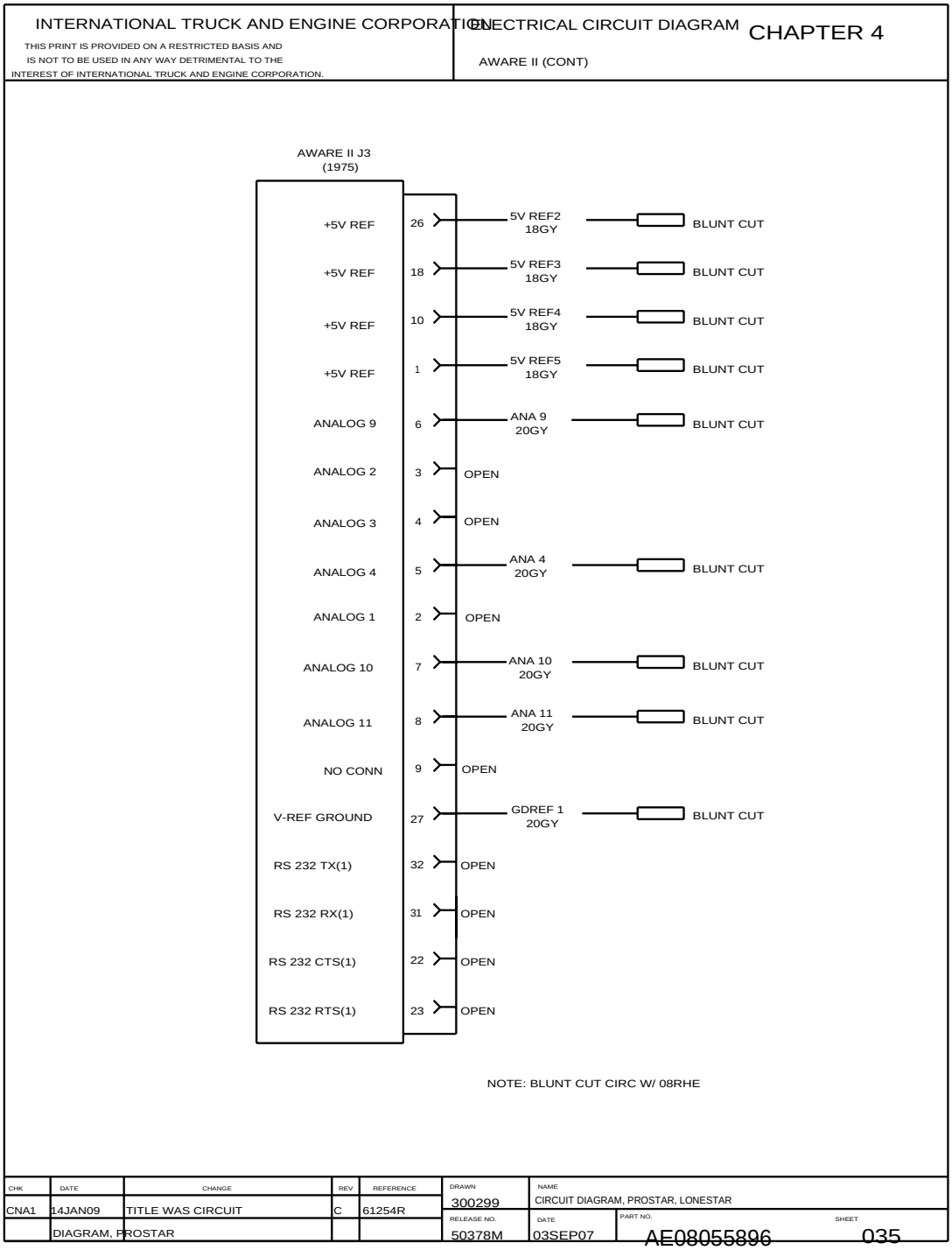

Figure 89 AWARE II

https://truckmanualshub.com/

4.40. AWARE II, P. 36

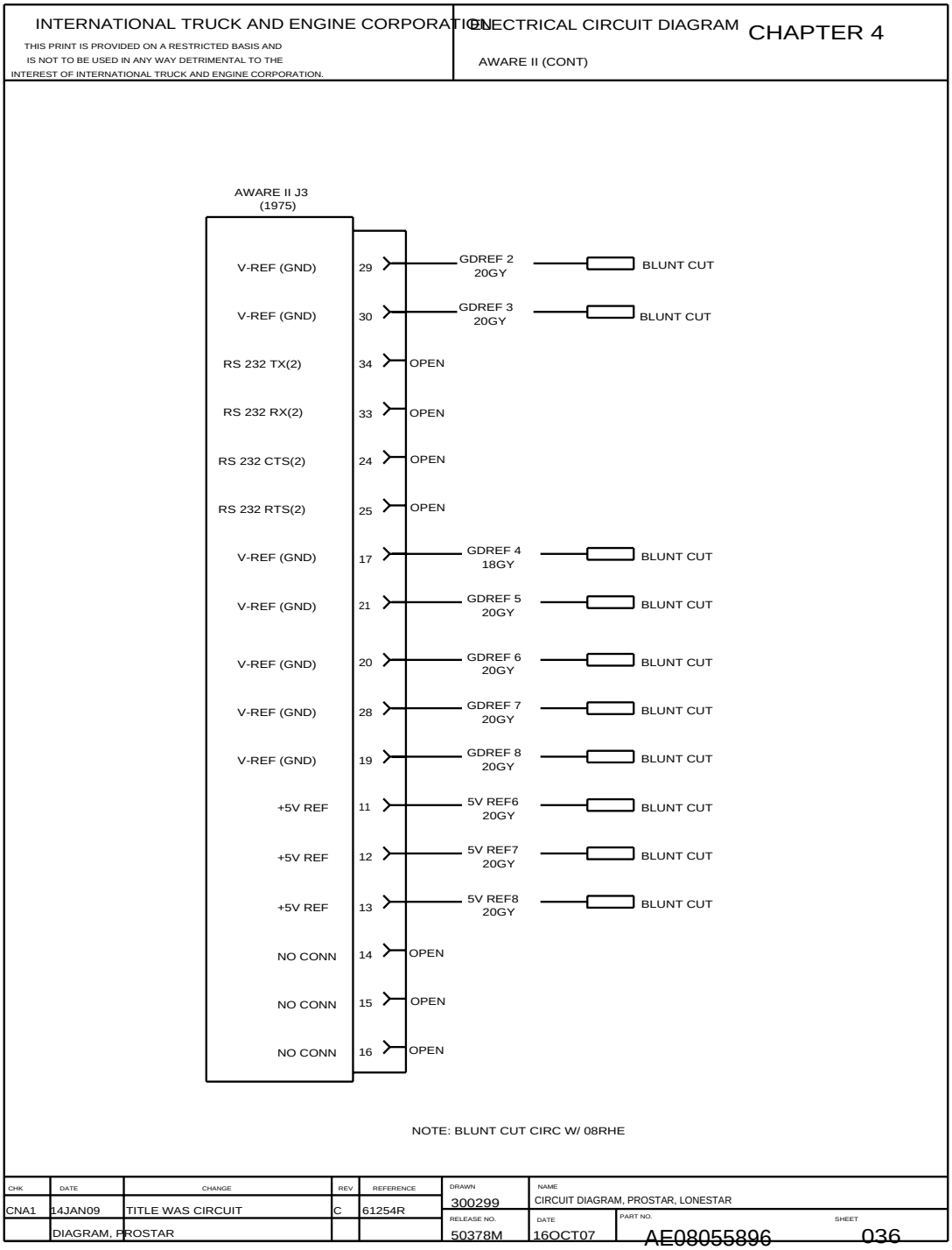

Figure 90 AWARE II

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4.41. QUALCOMM OMNIVISION, P. 37

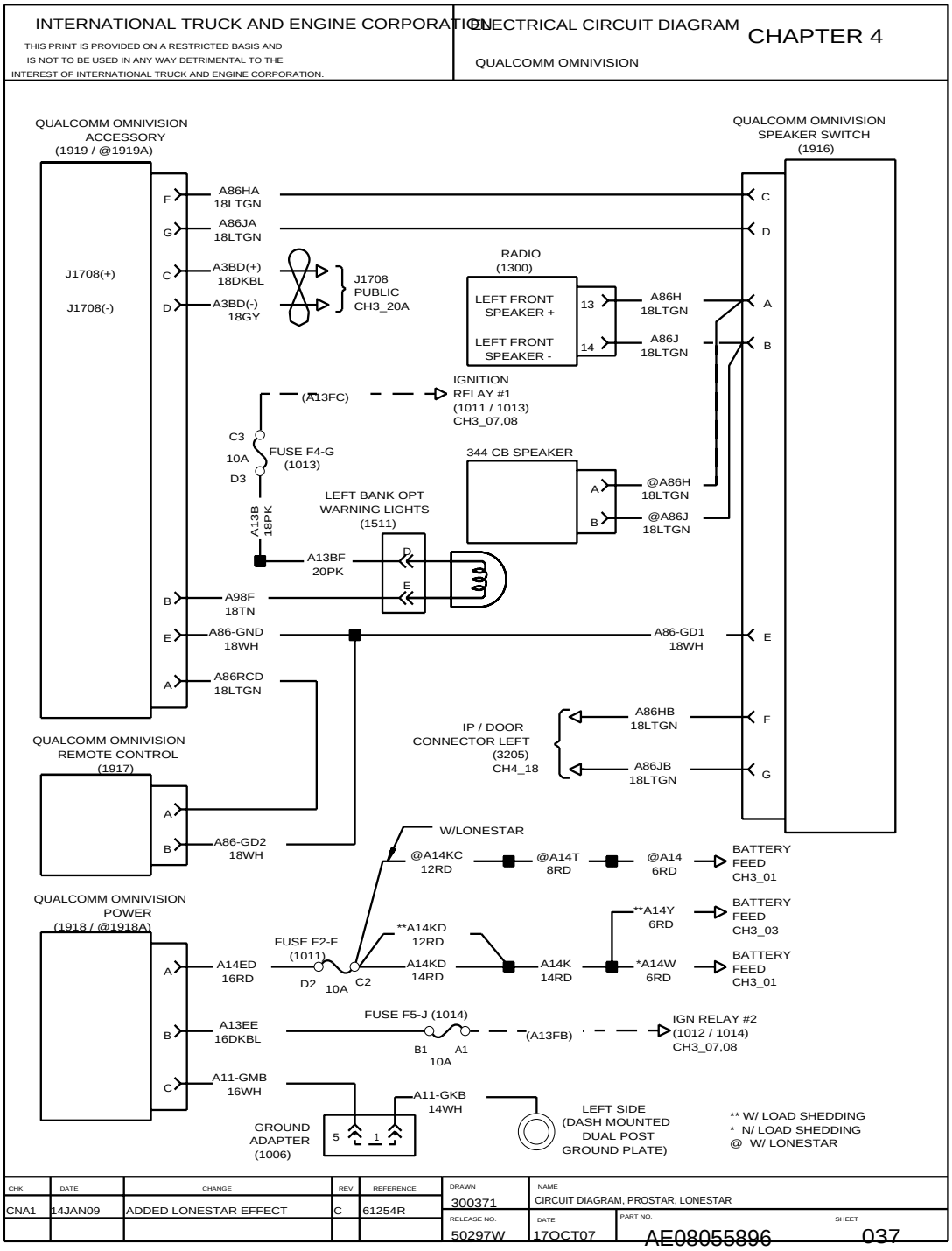

Figure 91 Qualcomm Omnivision

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4.42. QUALCOMM OMNIVISION, P. 38

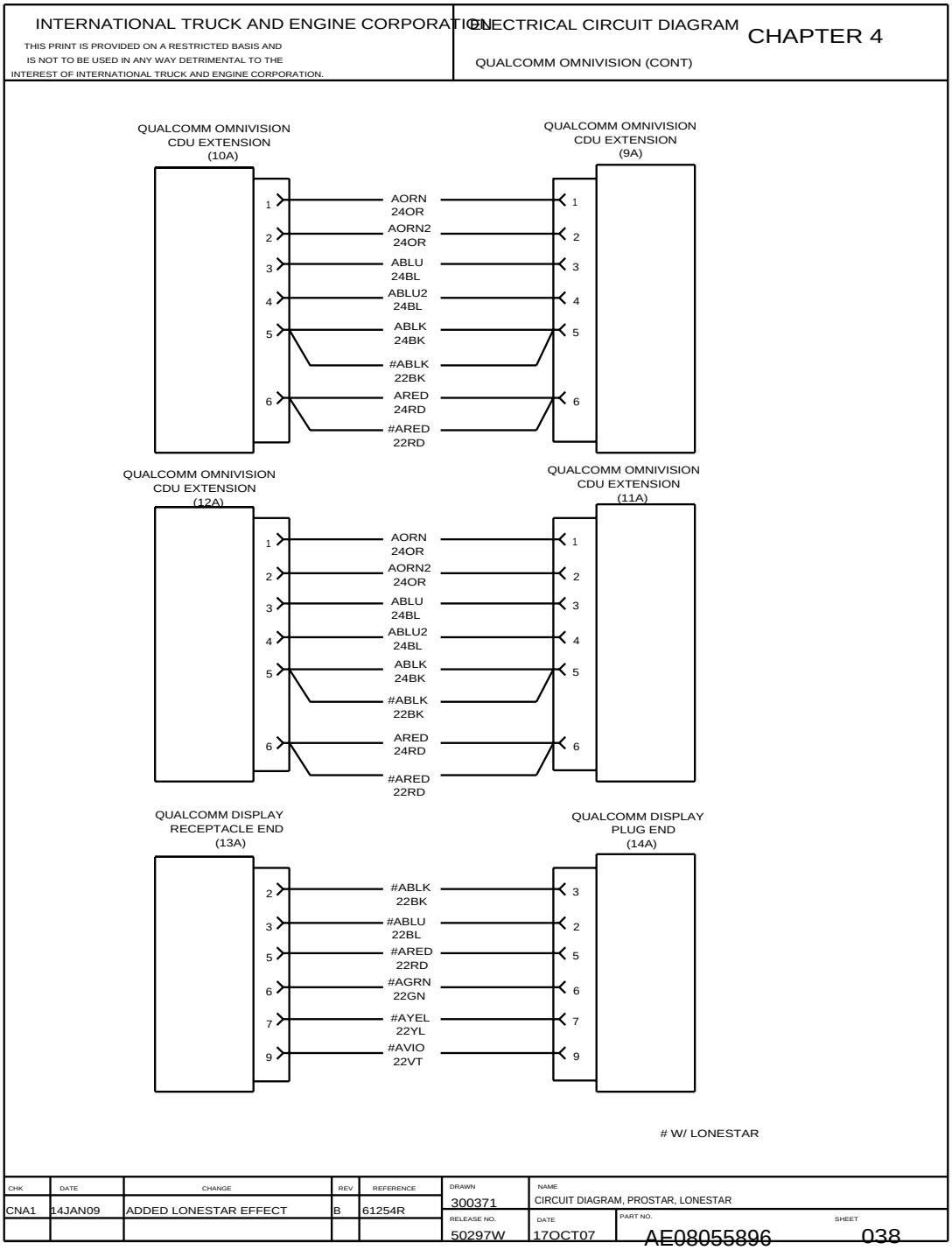

Figure 92 Qualcomm Omnivision

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4.43. MOTIENT MOBILE MAX, P. 39

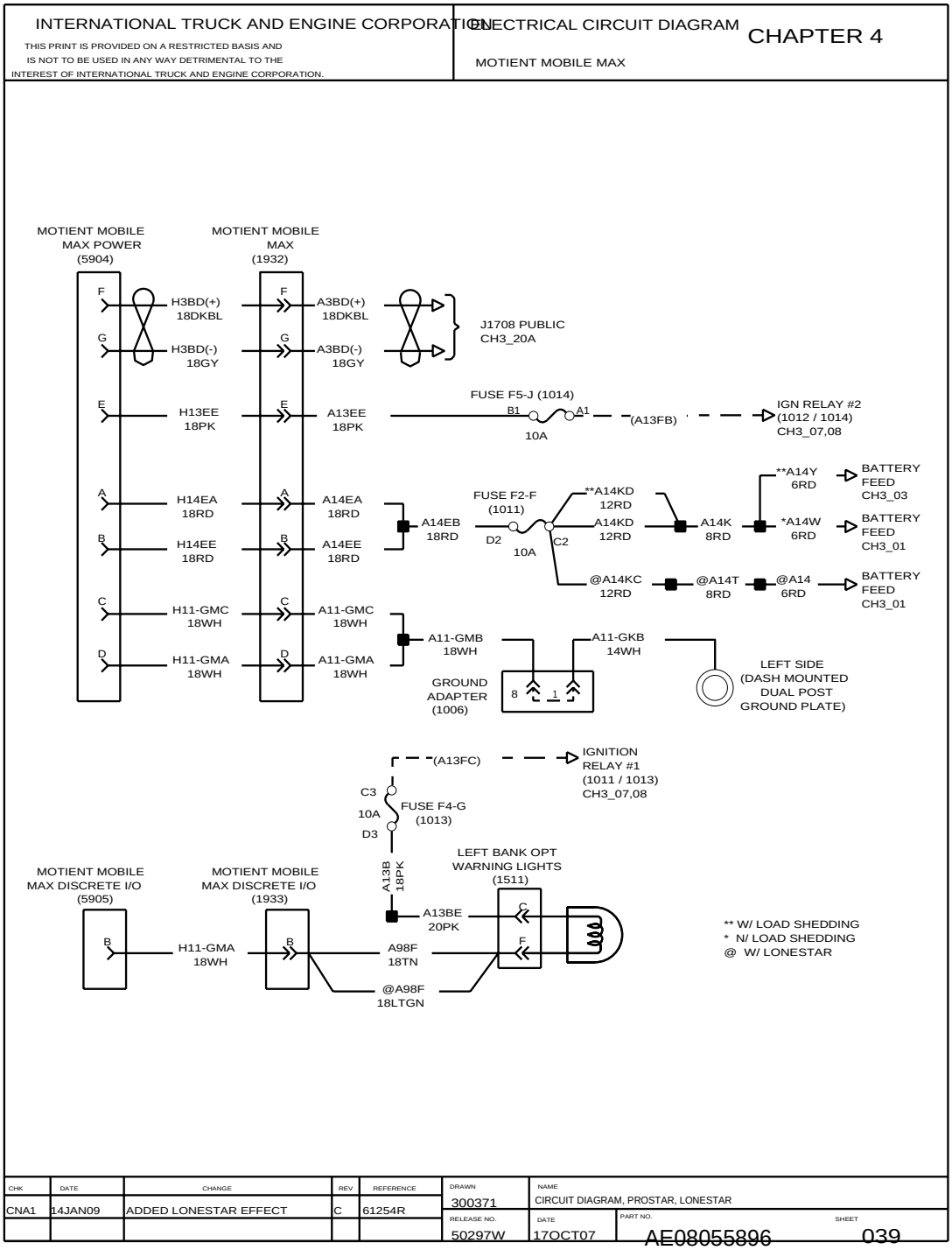

Figure 93 Motient Mobile Max

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4.44. REMOTE RADIO — N/AMP AND N/WIRED REMOTE AND N/DRIVER INTERFACE DISPLAY, P. 40

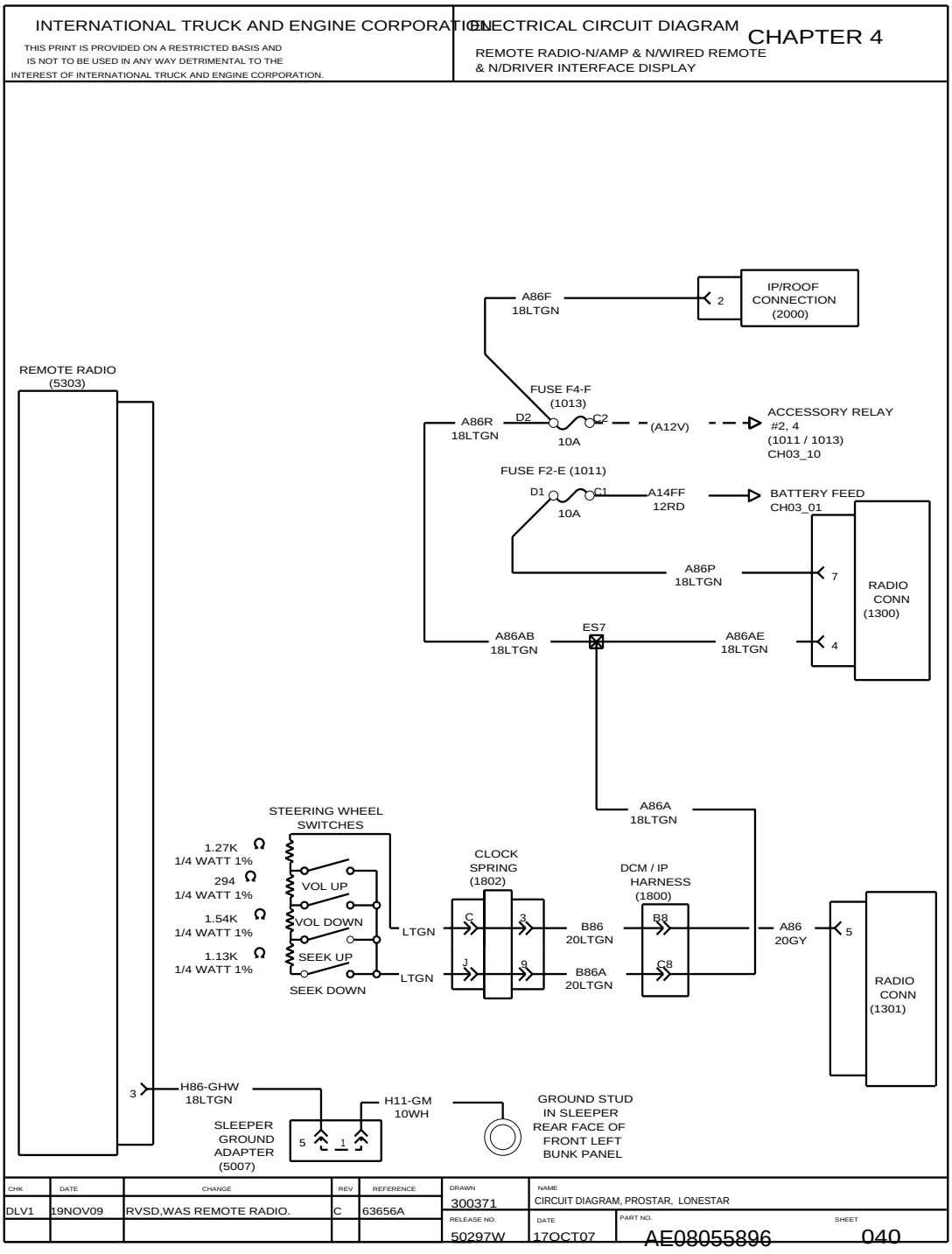

Figure 94 Remote Radio — N/AMP and N/Wired Remote and N/Driver Interface Display

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4.45. REMOTE RADIO — W/AMP AND N/WIRED REMOTE AND N/DRIVER INTERFACE DISPLAY, P. 40A

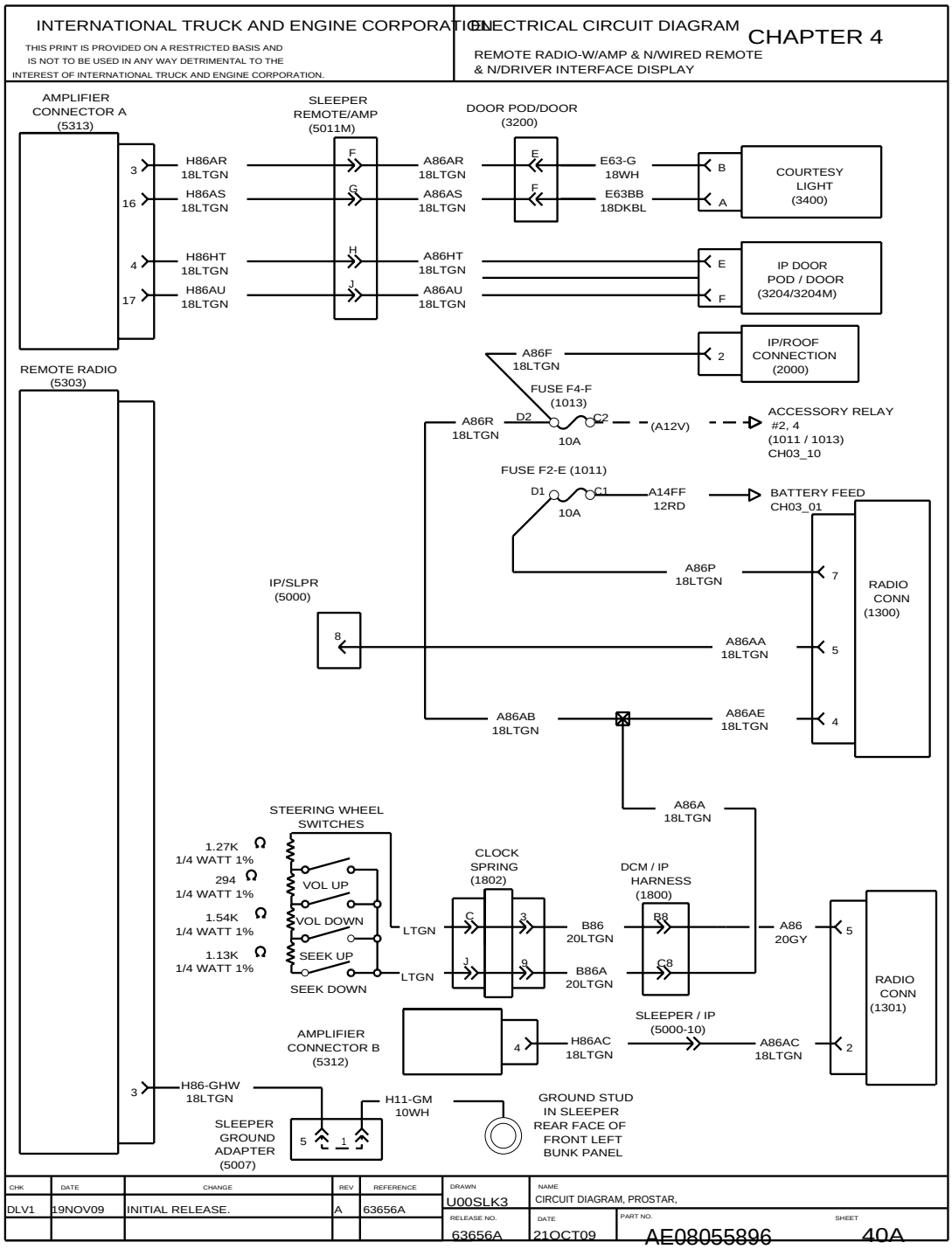

Figure 95 Remote Radio — W/AMP and N/Wired Remote and N/Driver Interface Display

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4.46. REMOTE RADIO — N/AMP AND W/WIRED REMOTE AND N/DRIVER INTERFACE DISPLAY, P. 40B

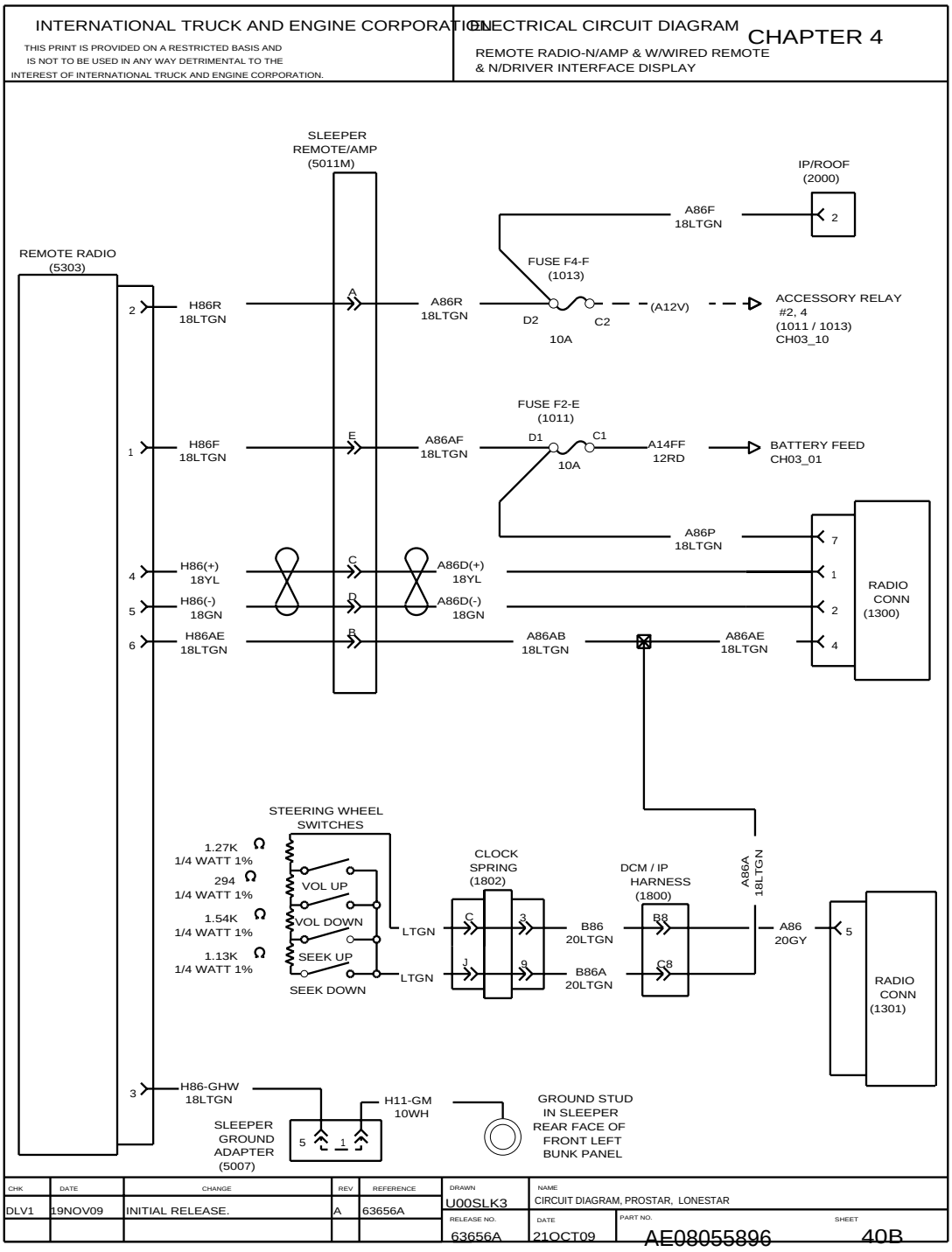

Figure 96 Remote Radio — N/AMP and W/Wired Remote and N/Driver Interface Display

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4.47. REMOTE RADIO — W/AMP AND W/WIRED REMOTE AND N/DRIVER INTERFACE DISPLAY, P. 40C

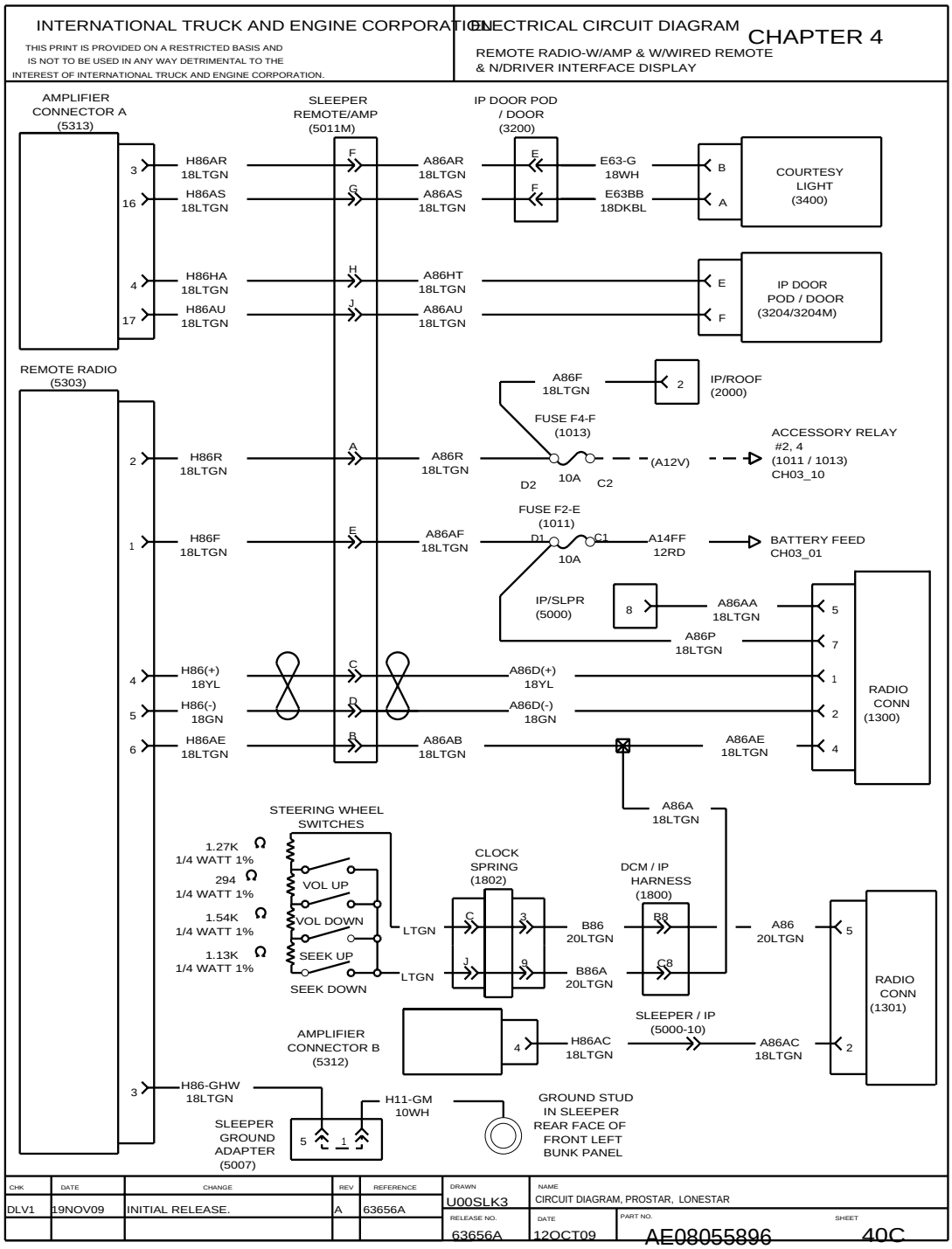

Figure 97 Remote Radio — W/AMP and W/Wired Remote and N/Driver Interface Display

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4.48. REMOTE RADIO — N/AMP AND N/WIRED REMOTE AND W/DRIVER INTERFACE DISPLAY, P. 41

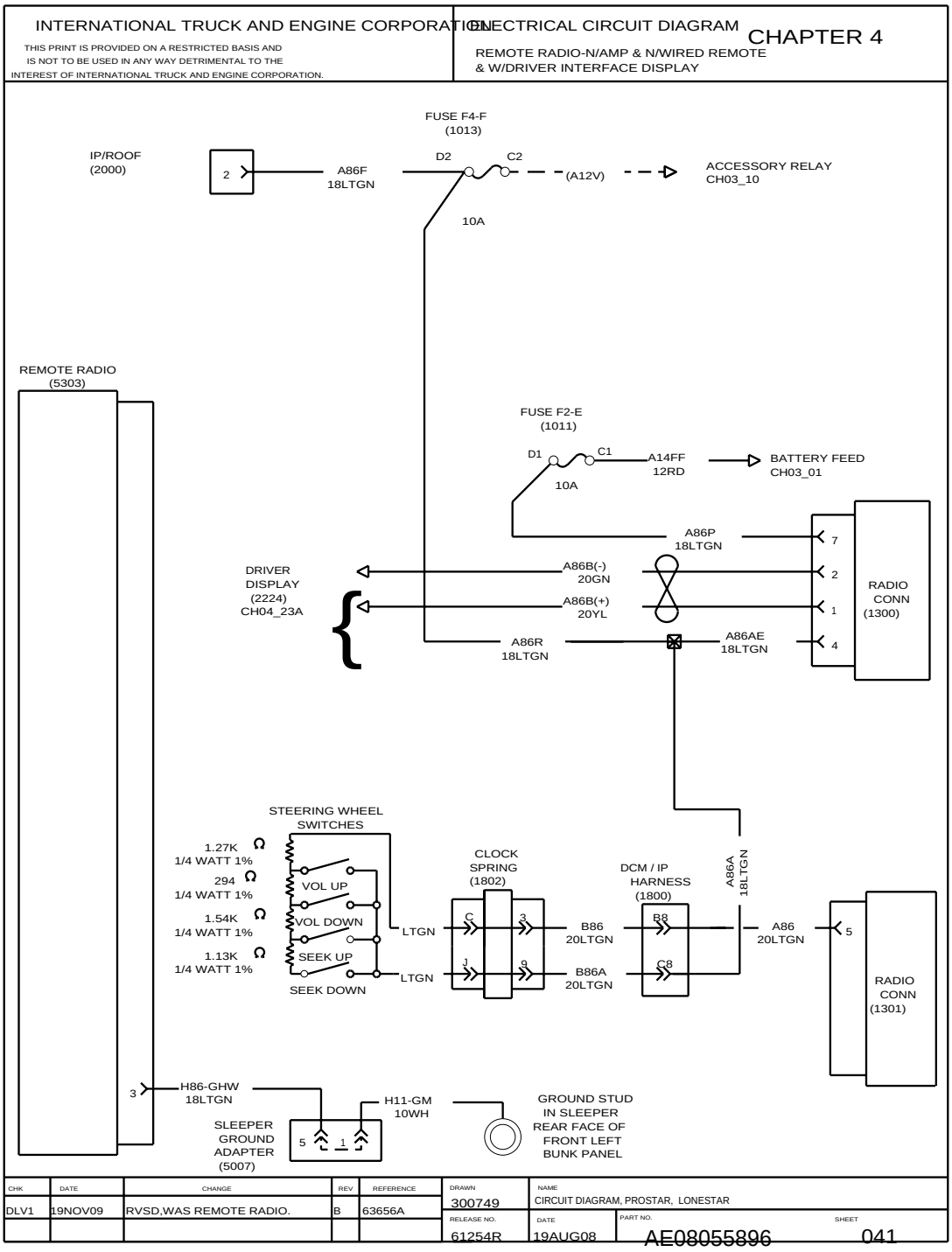

Figure 98 Remote Radio — N/AMP and N/Wired Remote and W/Driver Interface Display

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4.49. REMOTE RADIO — W/AMP AND N/WIRED REMOTE AND W/DRIVER INTERFACE DISPLAY, P. 41A

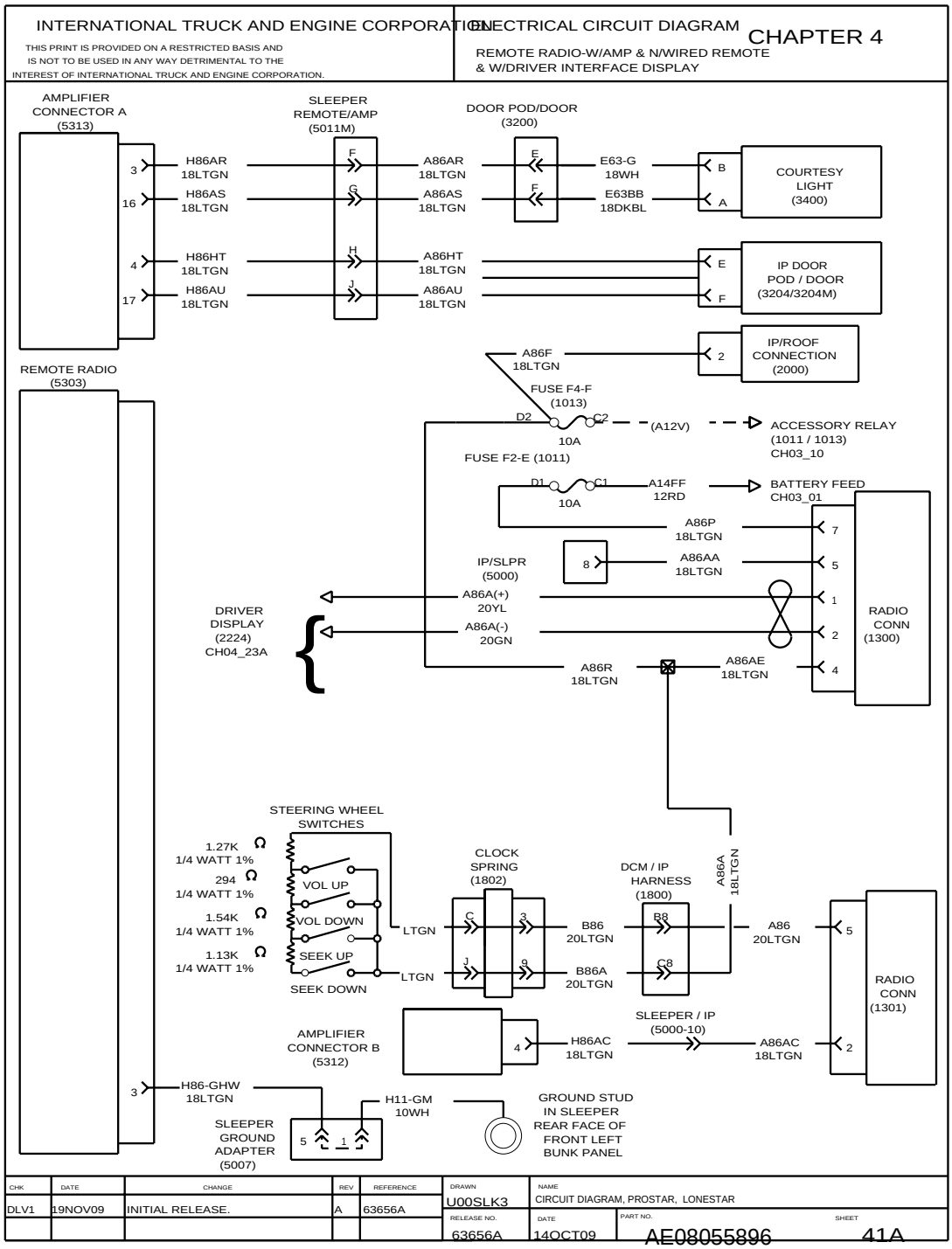

Figure 99 Remote Radio — W/AMP and N/Wired Remote and W/Driver Interface Display

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4.50. REMOTE RADIO — N/AMP AND W/WIRED REMOTE AND W/DRIVER INTERFACE DISPLAY, P. 41B

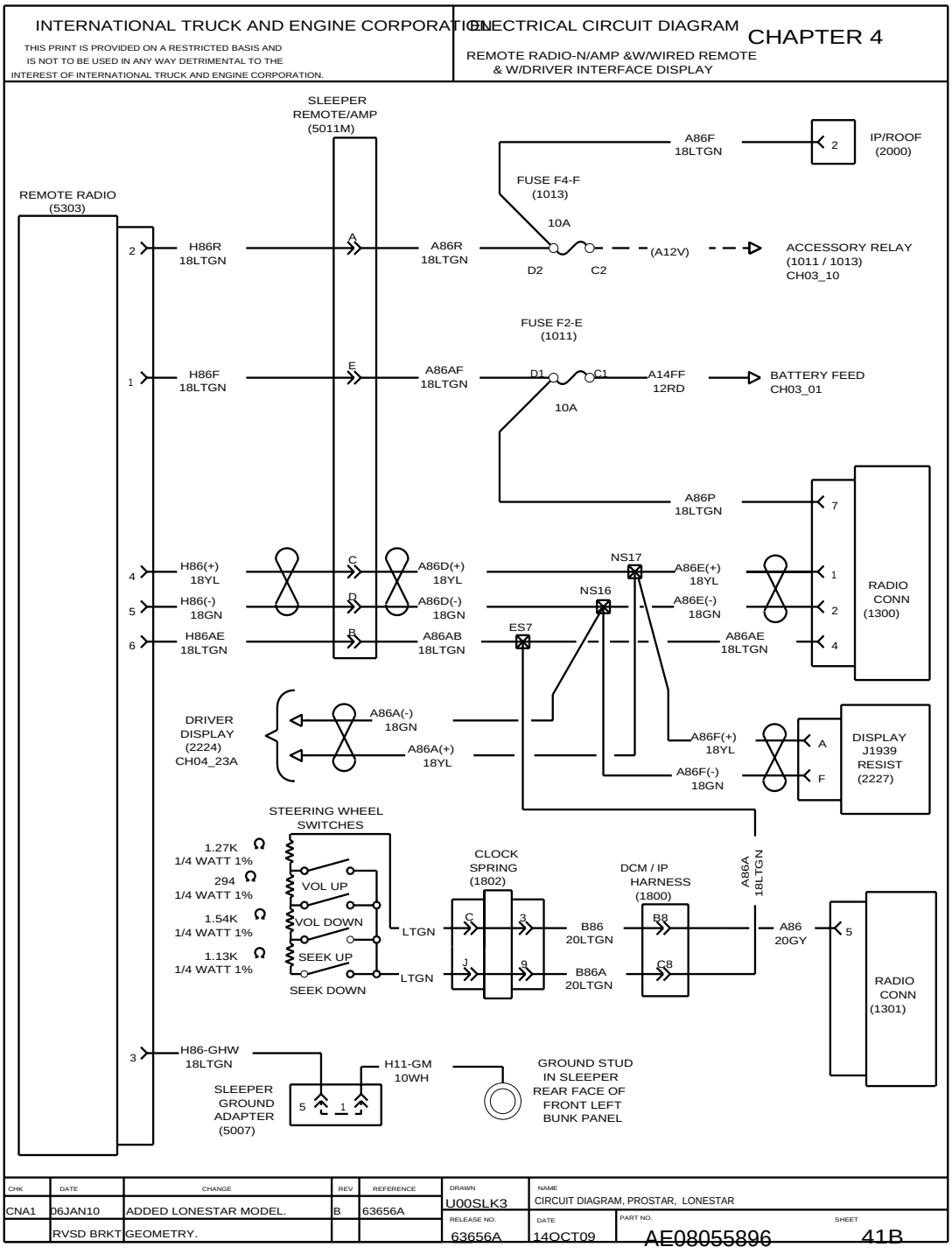

Figure 100 Remote Radio — N/AMP and W/Wired Remote and W/Driver Interface Display

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4.51. REMOTE RADIO — W/AMP AND W/WIRED REMOTE AND W/DRIVER INTERFACE DISPLAY, P. 41C

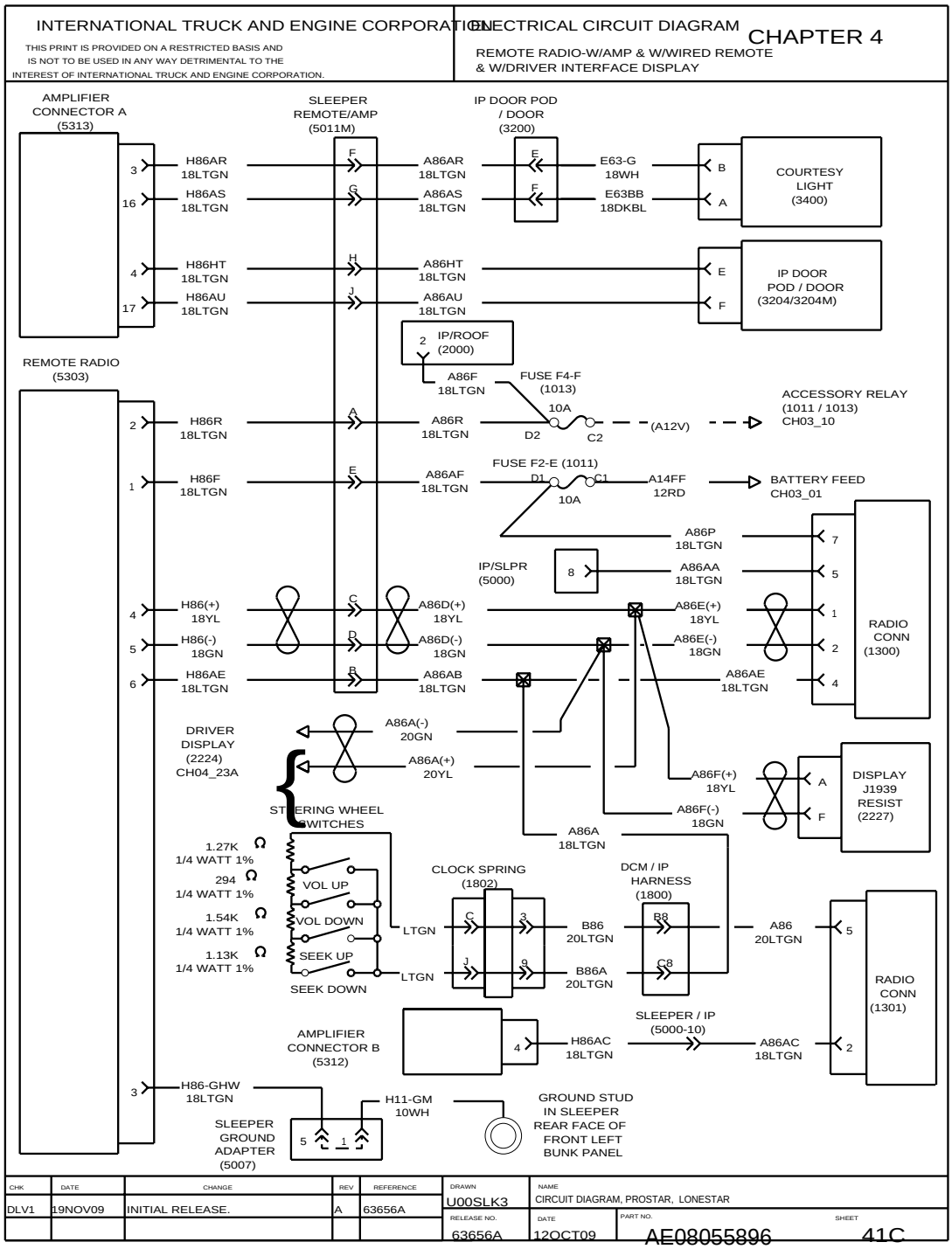

Figure 101 Remote Radio — W/AMP and W/Wired Remote and W/Driver Interface Display

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5. CHARGING AND CRANKING SYSTEM (CHAPTER 5)

5.1. MANUAL TRANSMISSION, P. 1

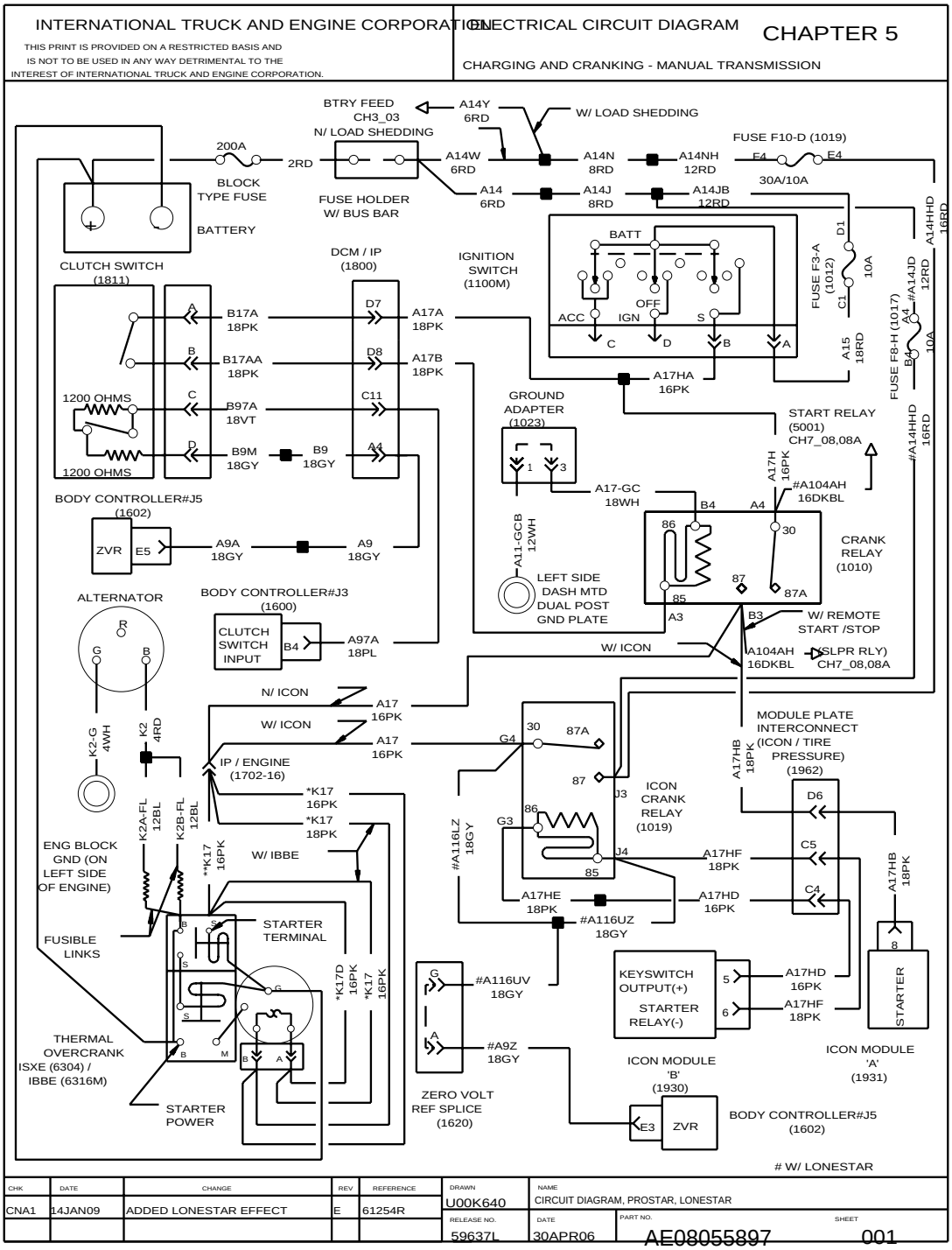

Figure 102 Manual Transmission

https://truckmanualshub.com/

5.2. MANUAL TRANSMISSION (CAT ENGINE), P. 1A

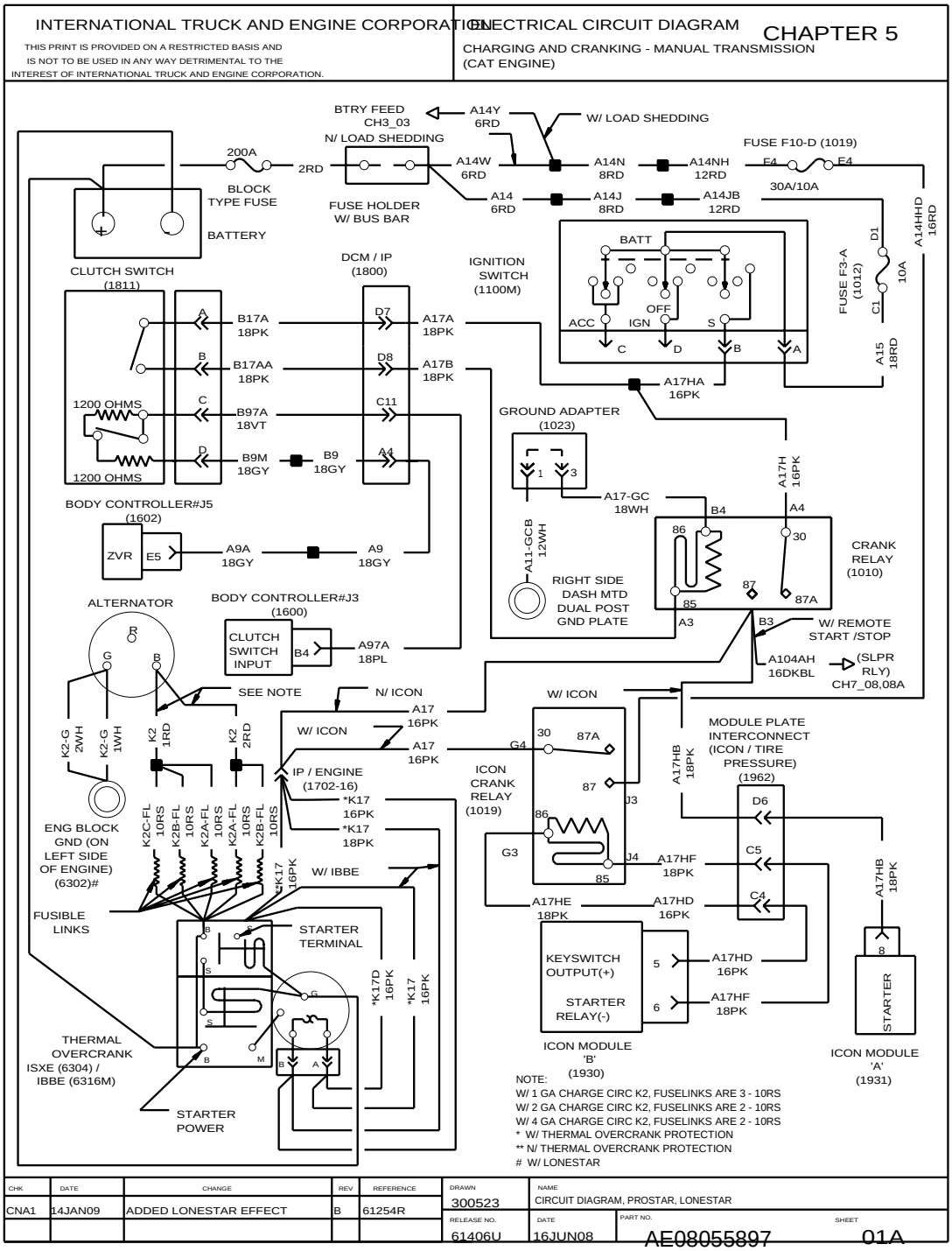

Figure 103 Manual Transmission (Cat Engine)

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5.3. AUTOMATIC TRANSMISSION, P. 2

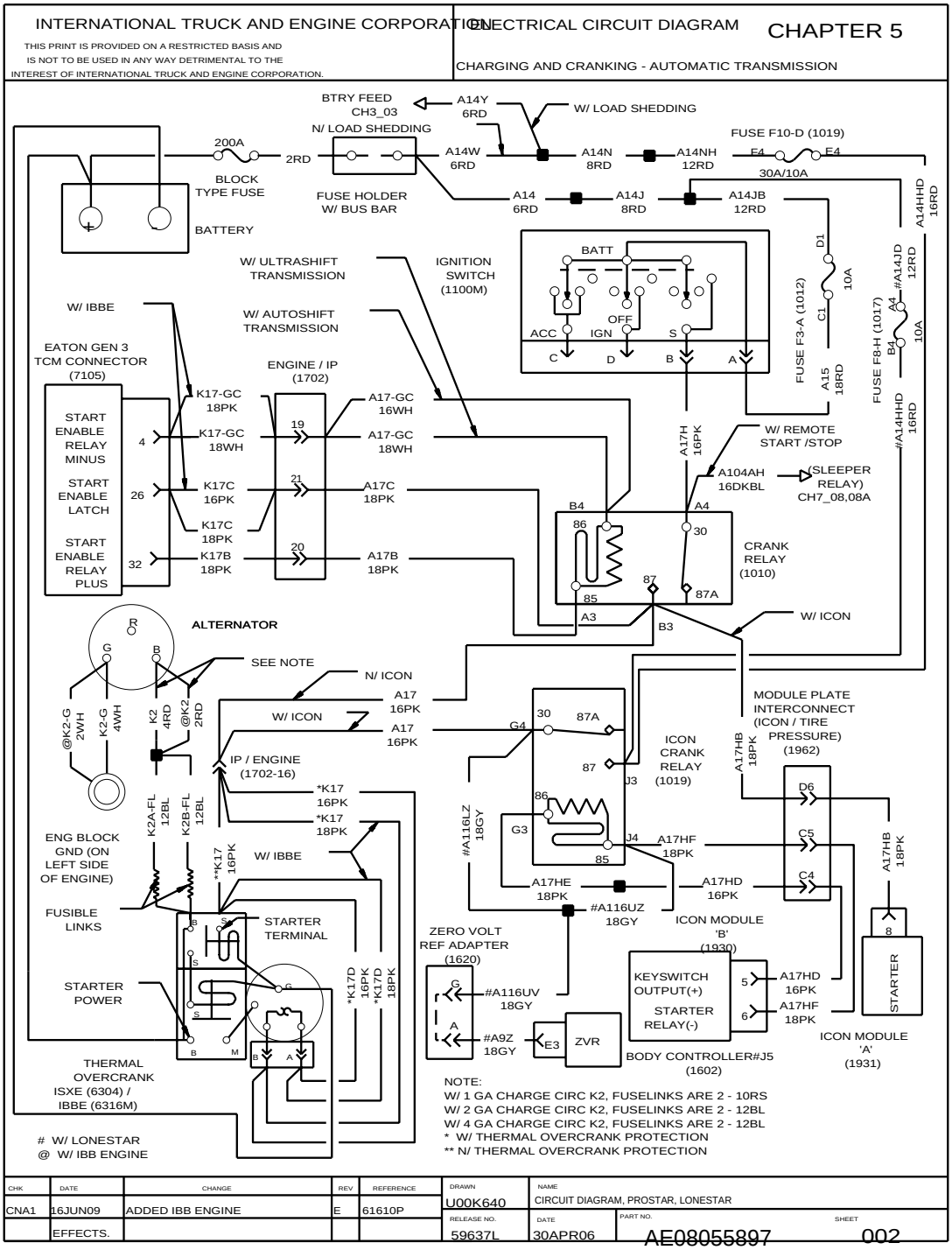

Figure 104 Automatic Transmission

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5.4. AUTOMATIC TRANSMISSION (CAT ENGINE), P. 2A

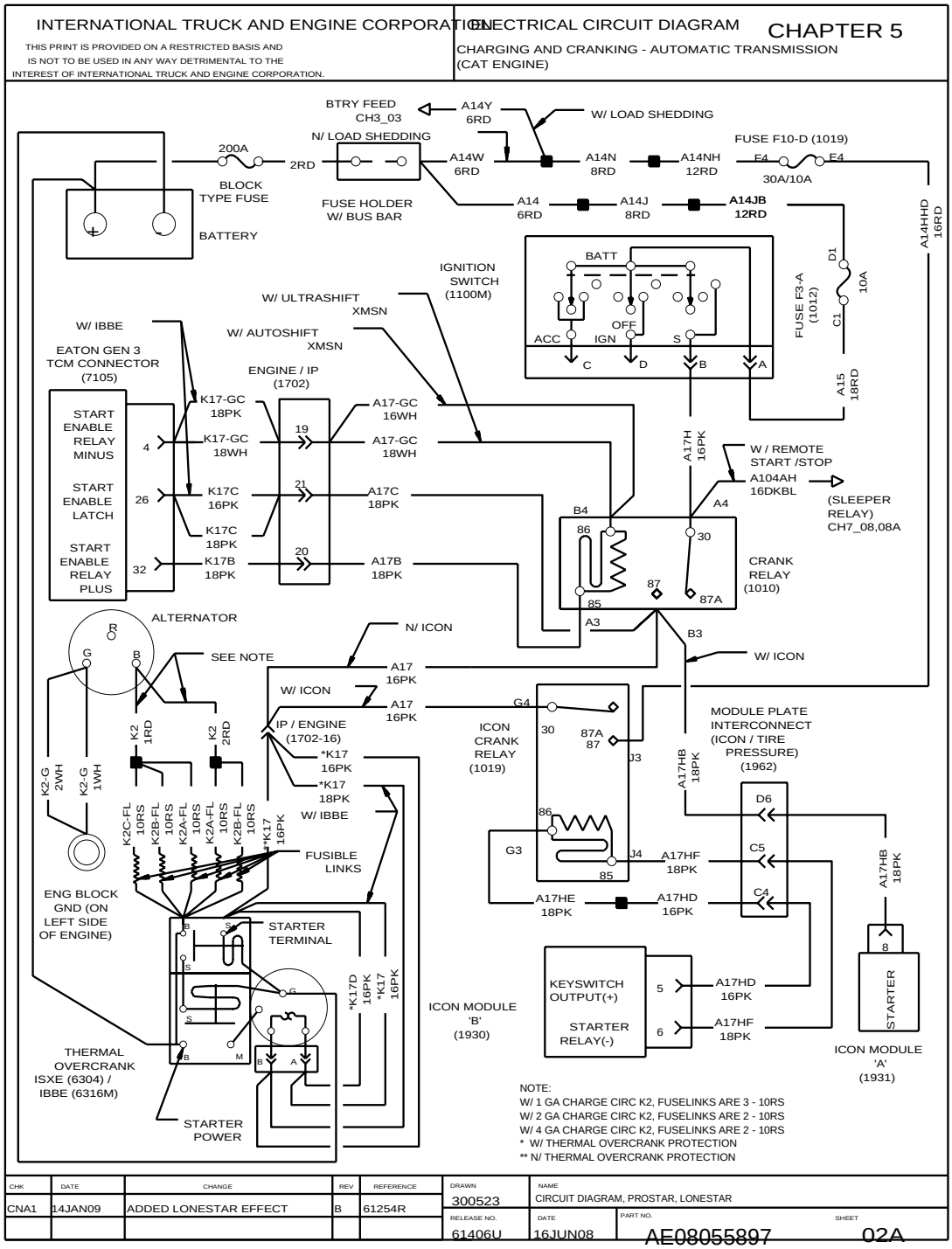

Figure 105 Automatic Transmission (Cat Engine)

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5.5. FREEDOMLINE TRANSMISSION, P. 3

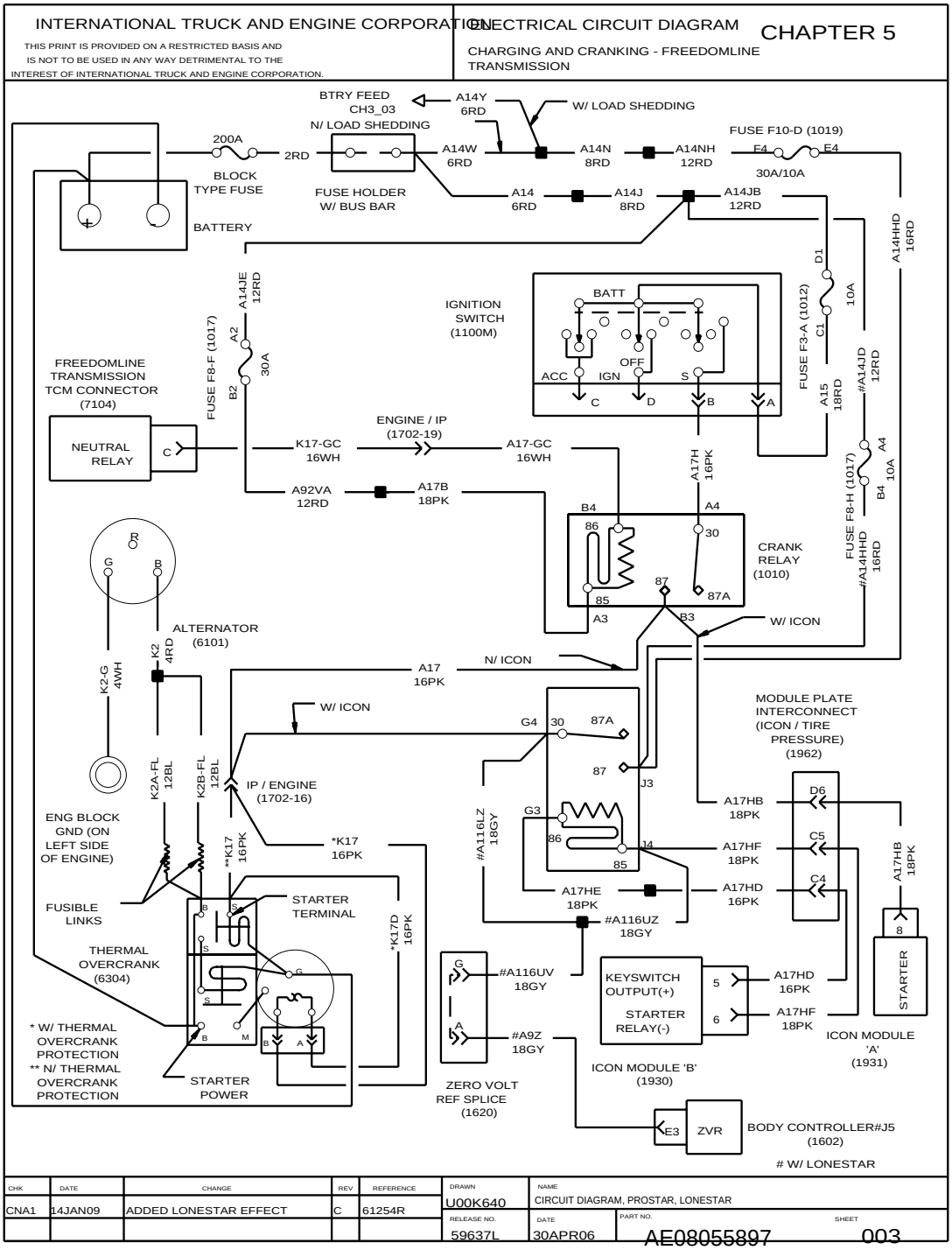

Figure 106 Freedomline Transmission

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5.6. FREEDOMLINE TRANSMISSION (CAT ENGINE), P. 3A

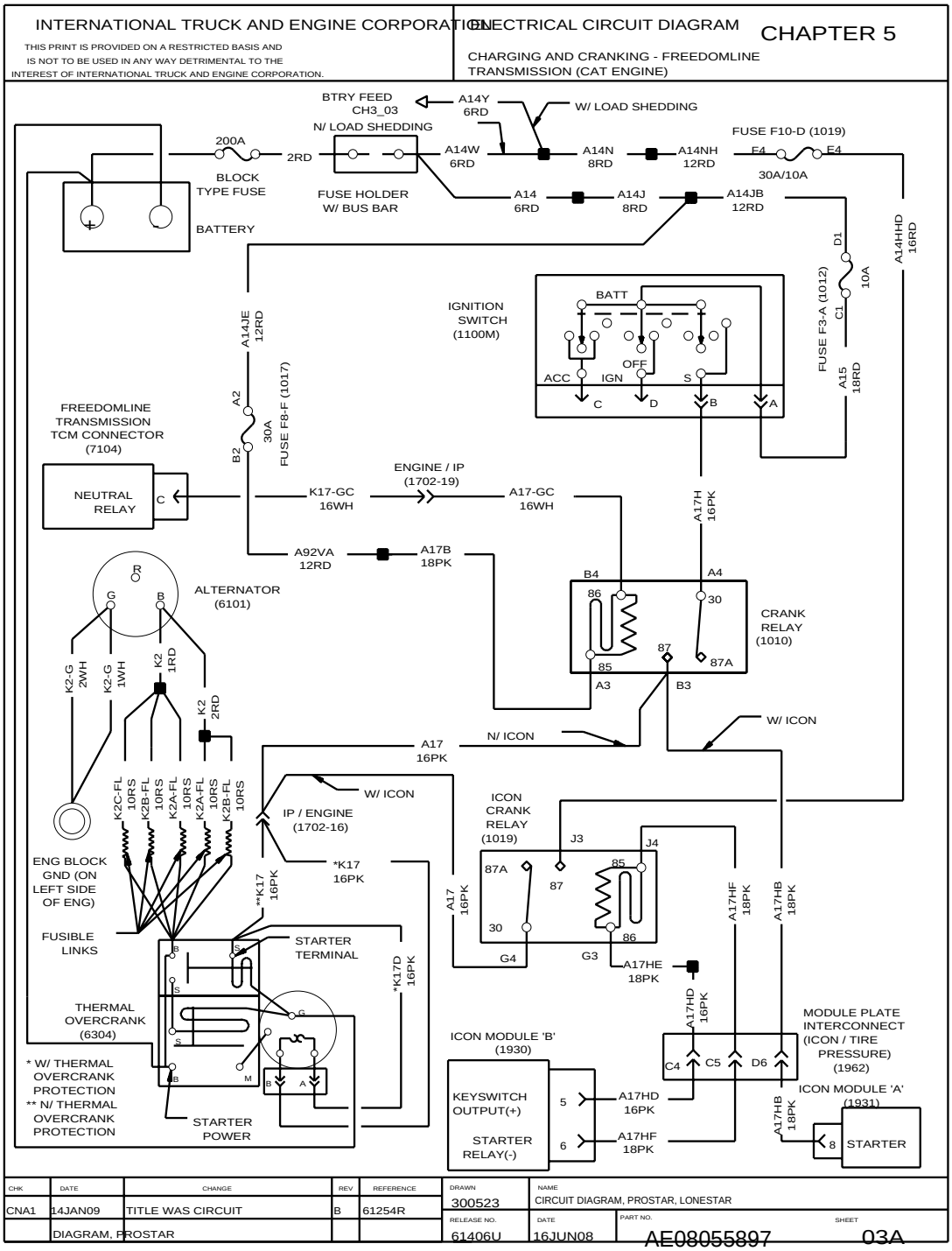

Figure 107 Freedomline Transmission (Cat Engine)

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6. ETHER START AND FAN WIRING (CHAPTER 6)

6.1. ETHER START CUMMINS ISX, P. 1

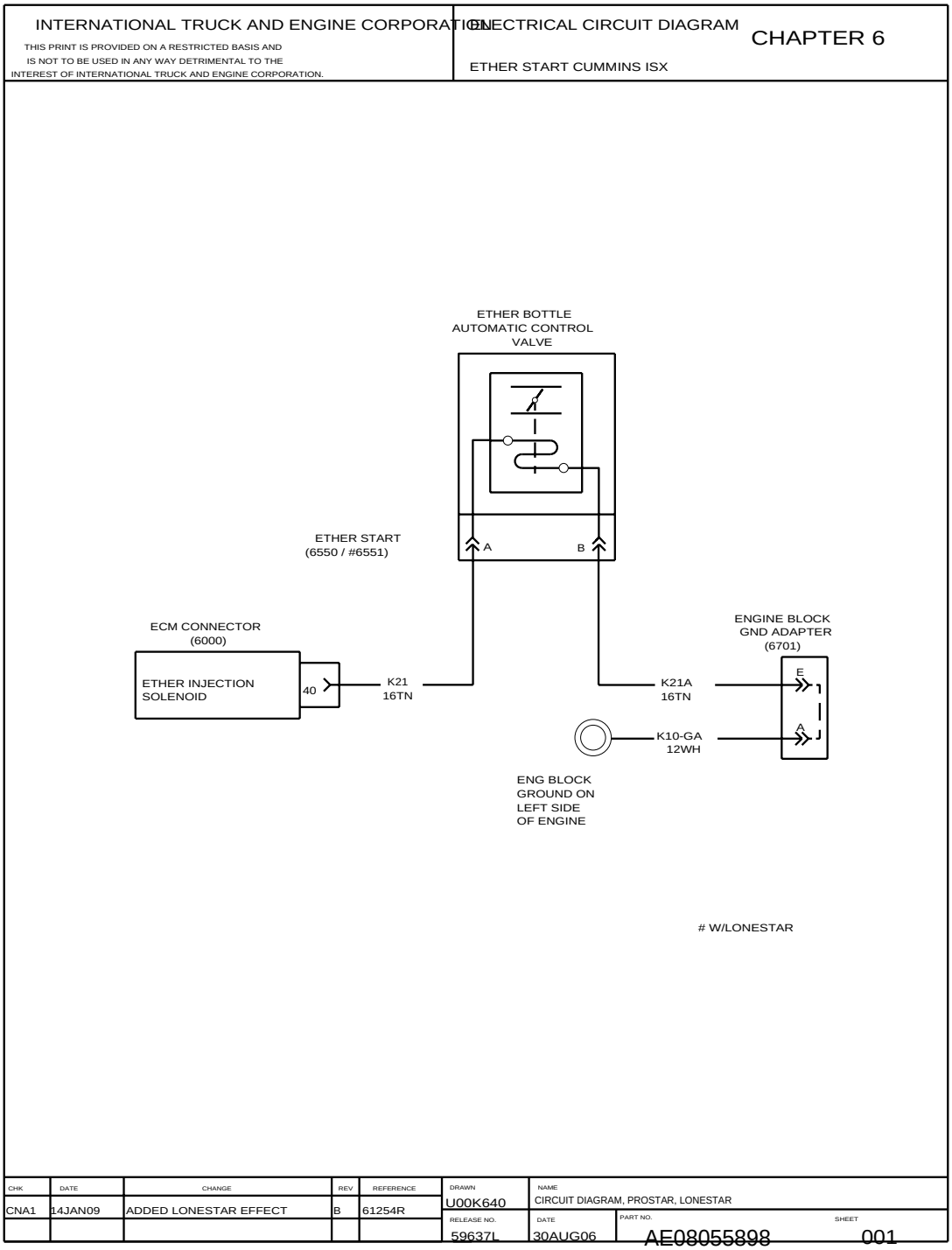

Figure 108 Ether Start Cummins ISX

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6.2. FAN WIRING, P. 2

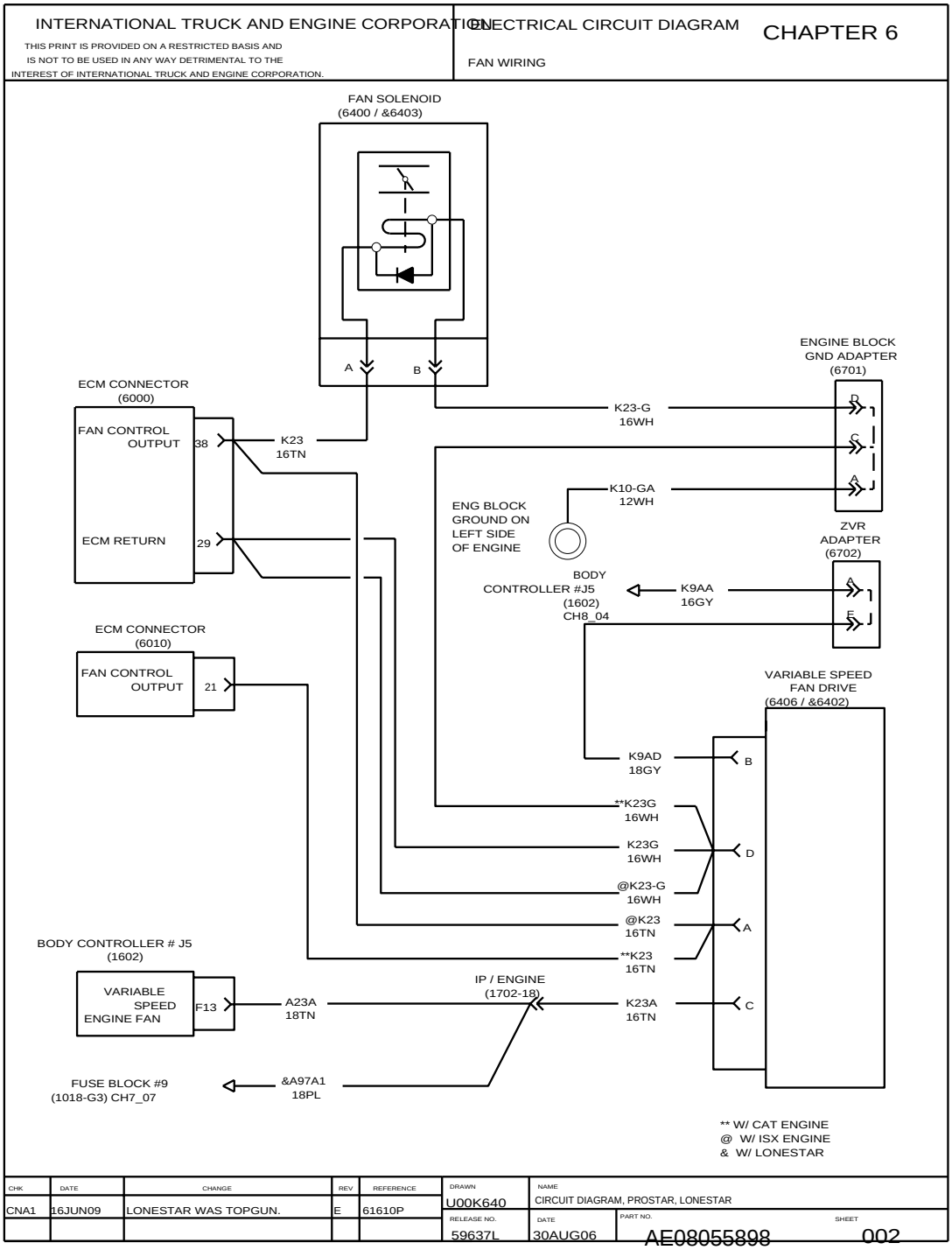

Figure 109 Fan Wiring

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6.3. FAN WIRING — IBB ENGINE, P. 3

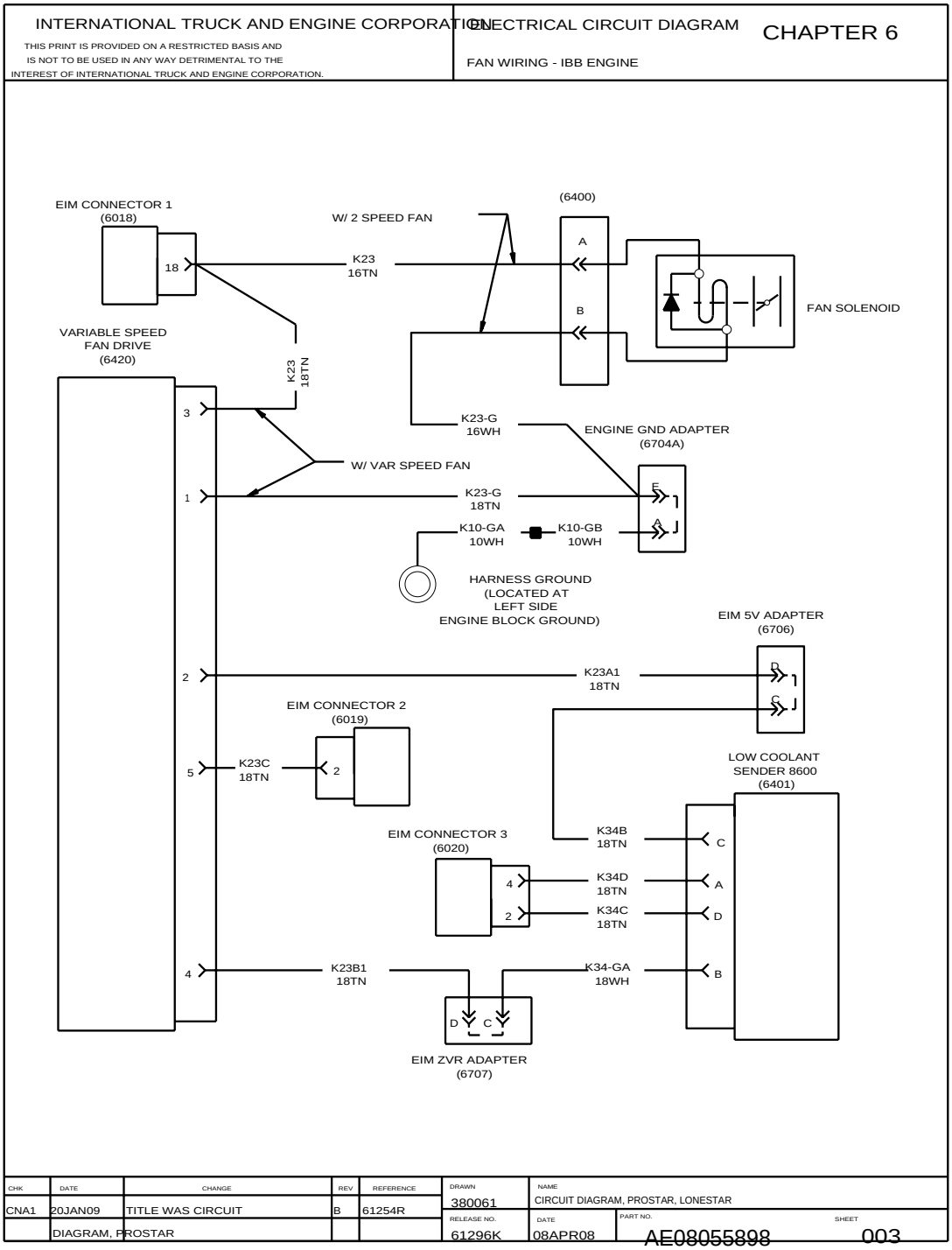

Figure 110 Fan Wiring — IBB Engine

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6.4. STARTING AID — COLD START ASSIST (IBB ENGINE), P. 4

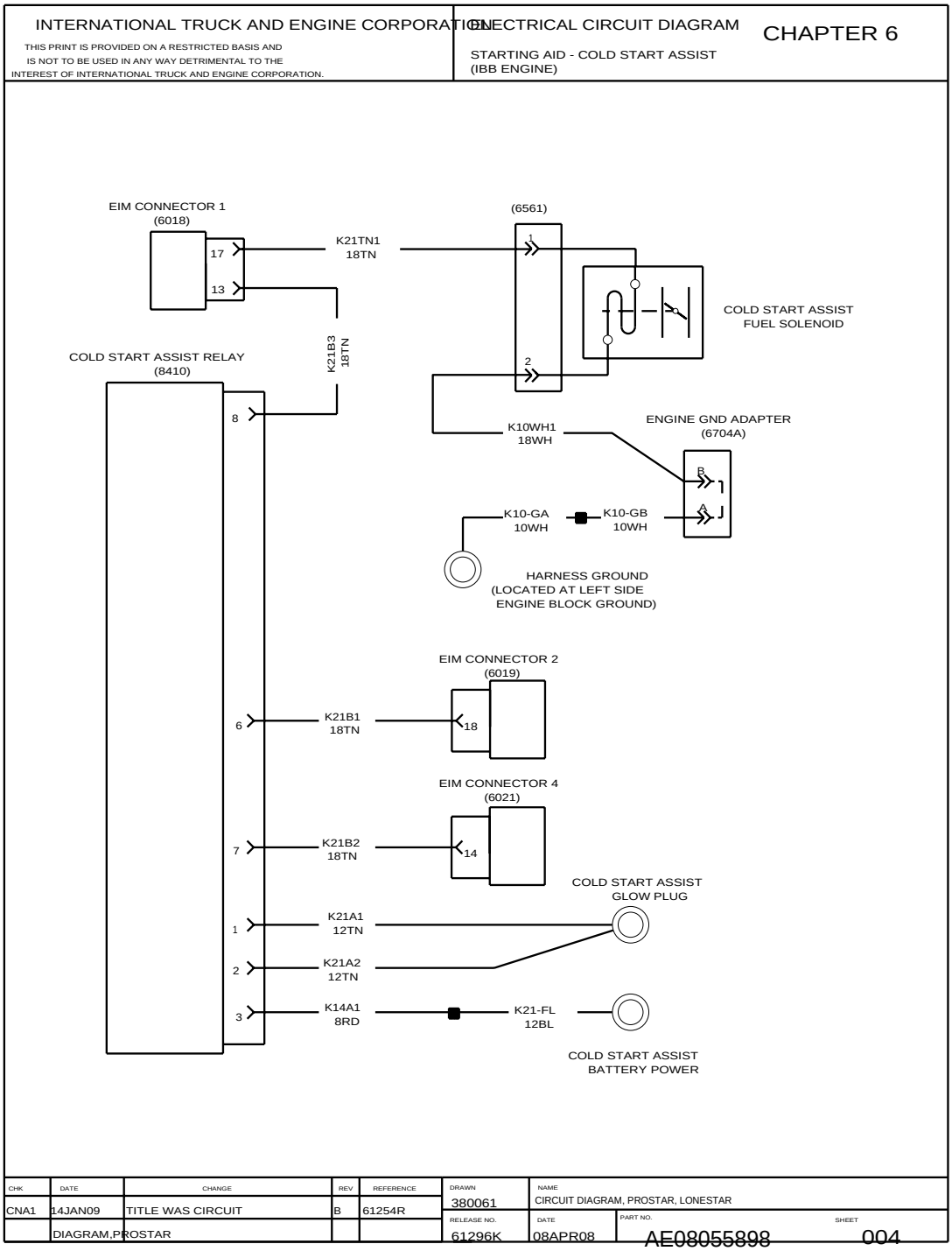

Figure 111 Starting Aid — Cold Start Assist (IBB Engine)

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7. ENGINES (CHAPTER 7)

7.1. ELECTRONIC ENGINE CONTROLS, P. 1

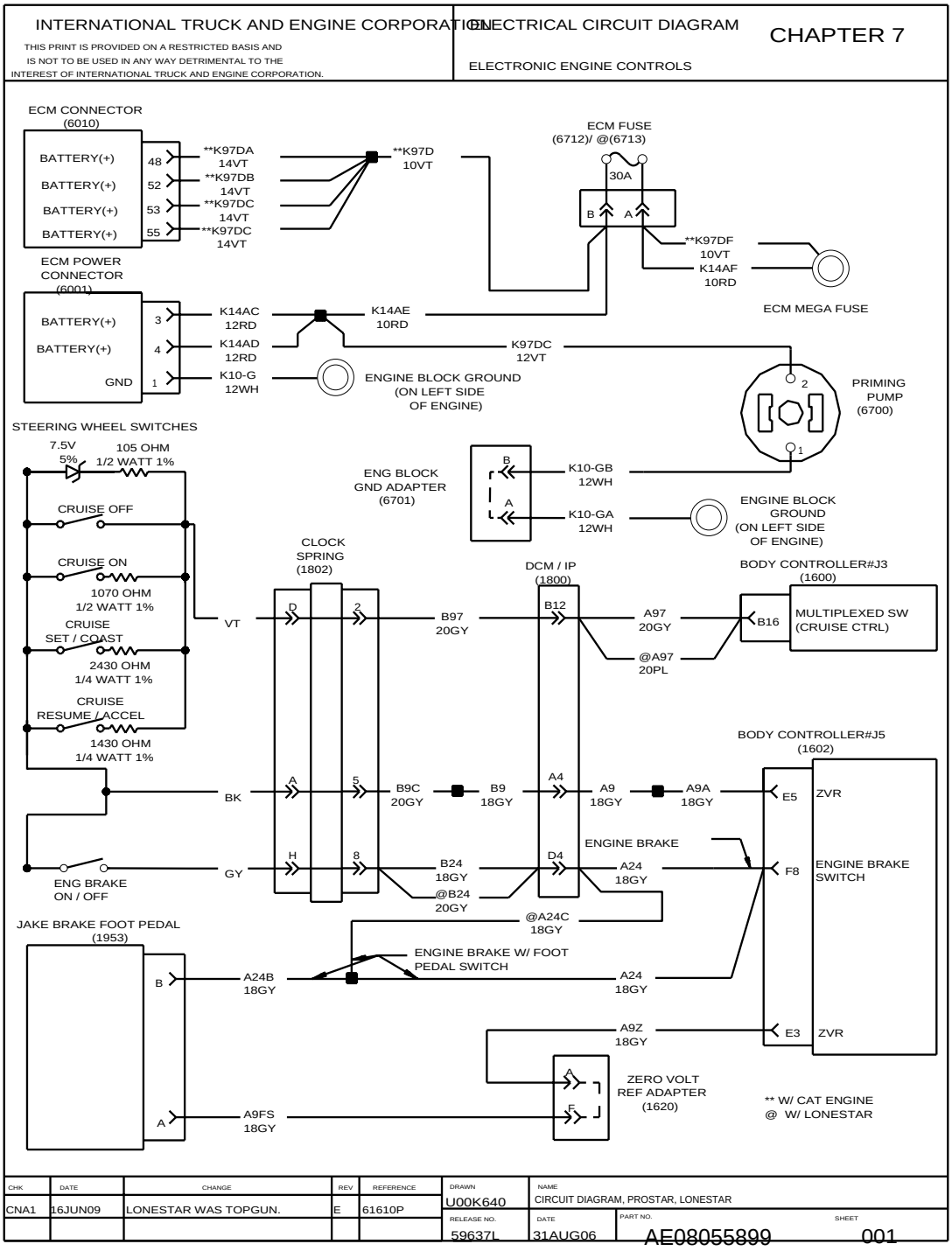

Figure 112 Electronic Engine Controls

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7.2. ELECTRONIC ENGINE CONTROLS — CUMMINS ENGINE, P. 2

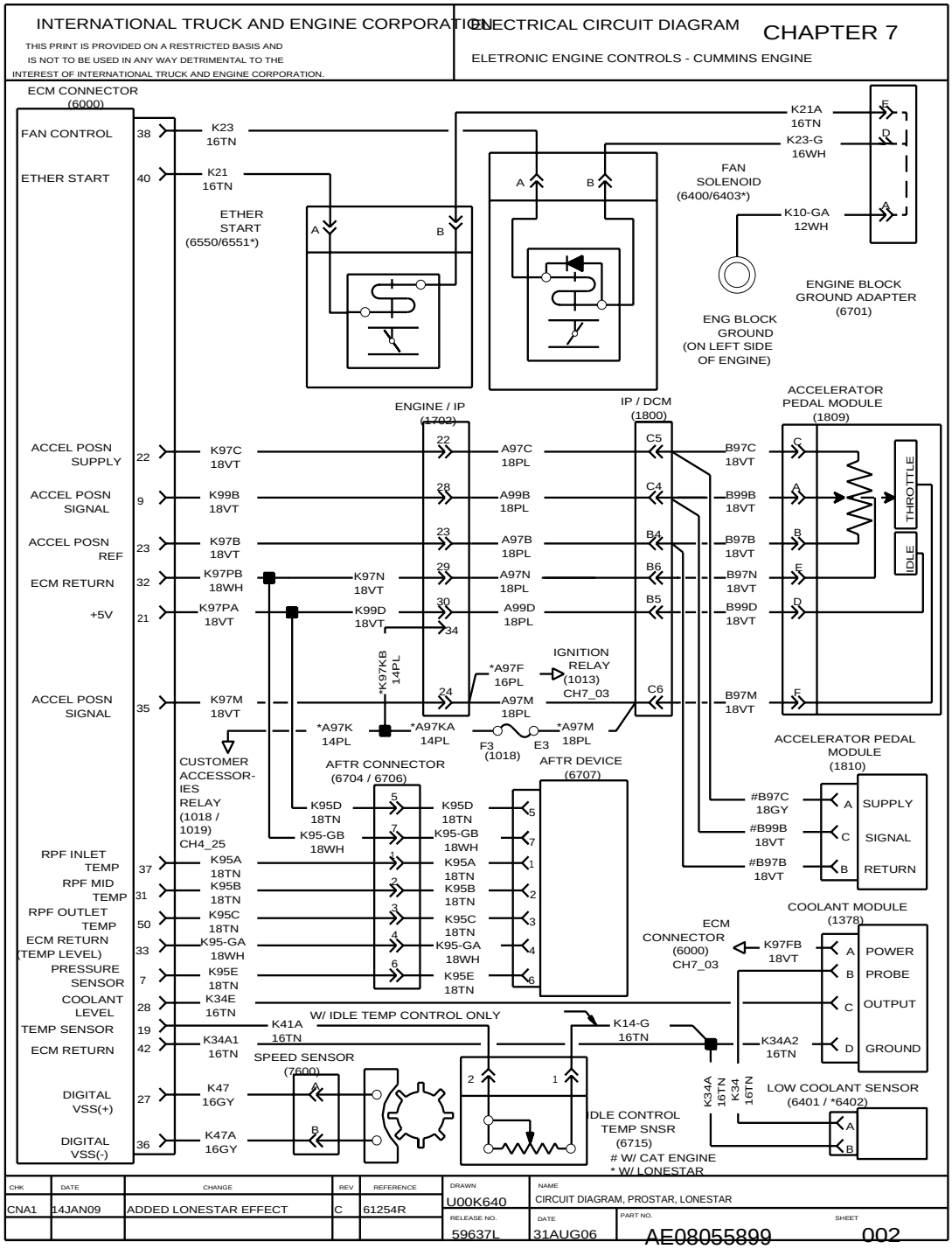

Figure 113 Electronic Engine Controls — Cummins Engine

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7.3. ELECTRONIC ENGINE CONTROLS — CAT ENGINE, P. 2A

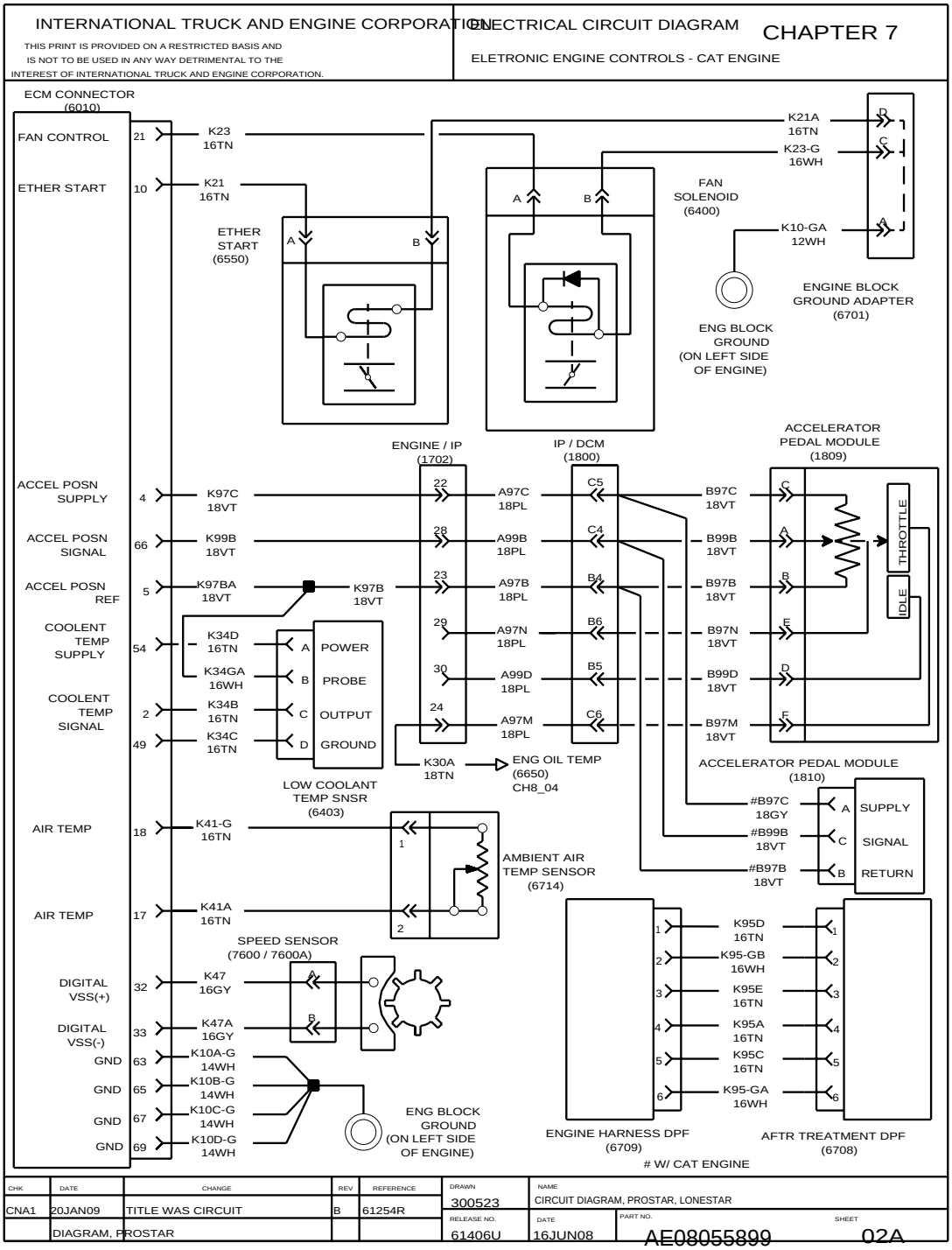

Figure 114 Electronic Engine Controls — Cat Engine

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7.4. ELECTRONIC ENGINE CONTROLS — CUMMINS ENGINES, P. 3

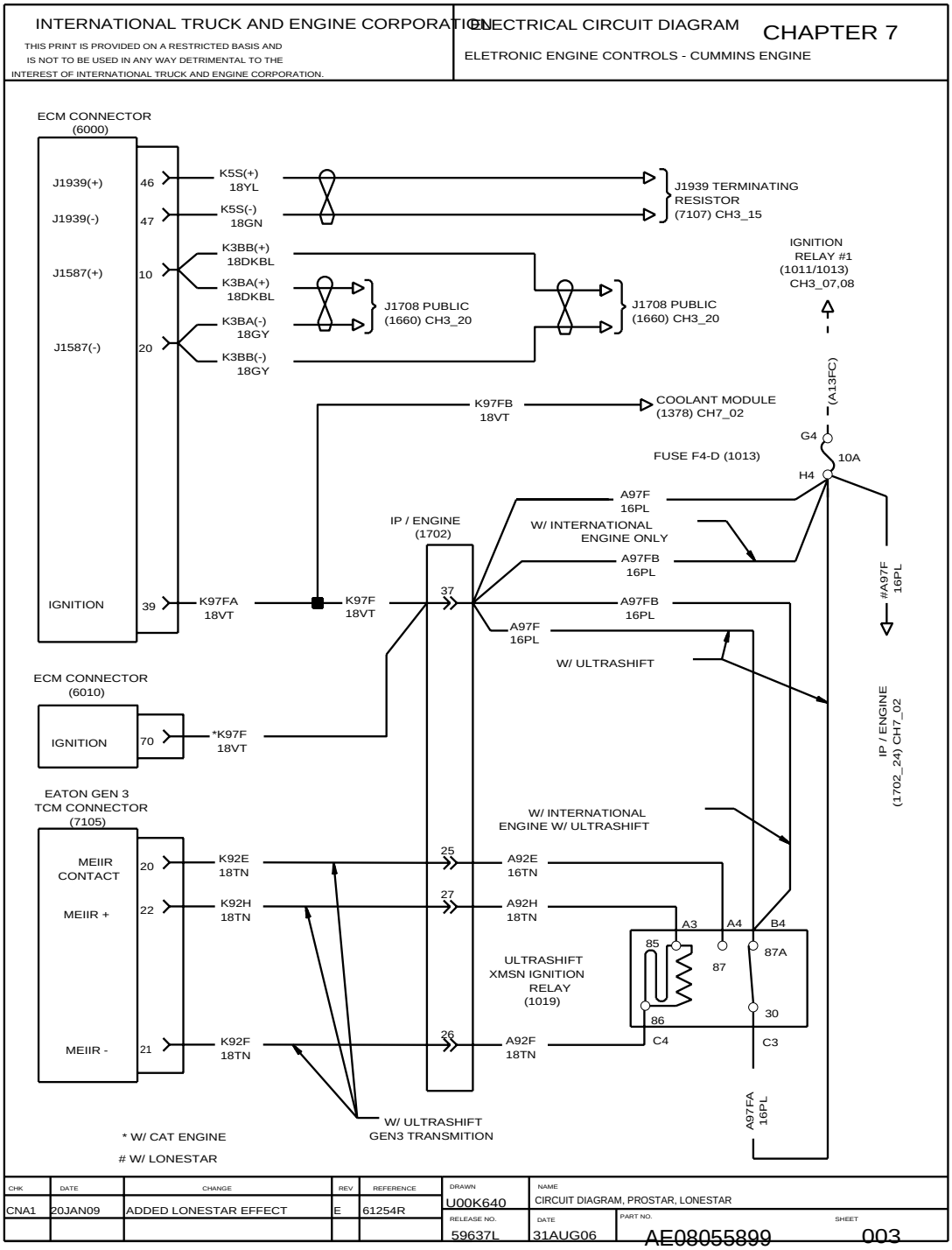

Figure 115 Electronic Engine Controls — Cummins Engines

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7.5. ELECTRONIC ENGINE CONTROLS WITH ICON, P. 4

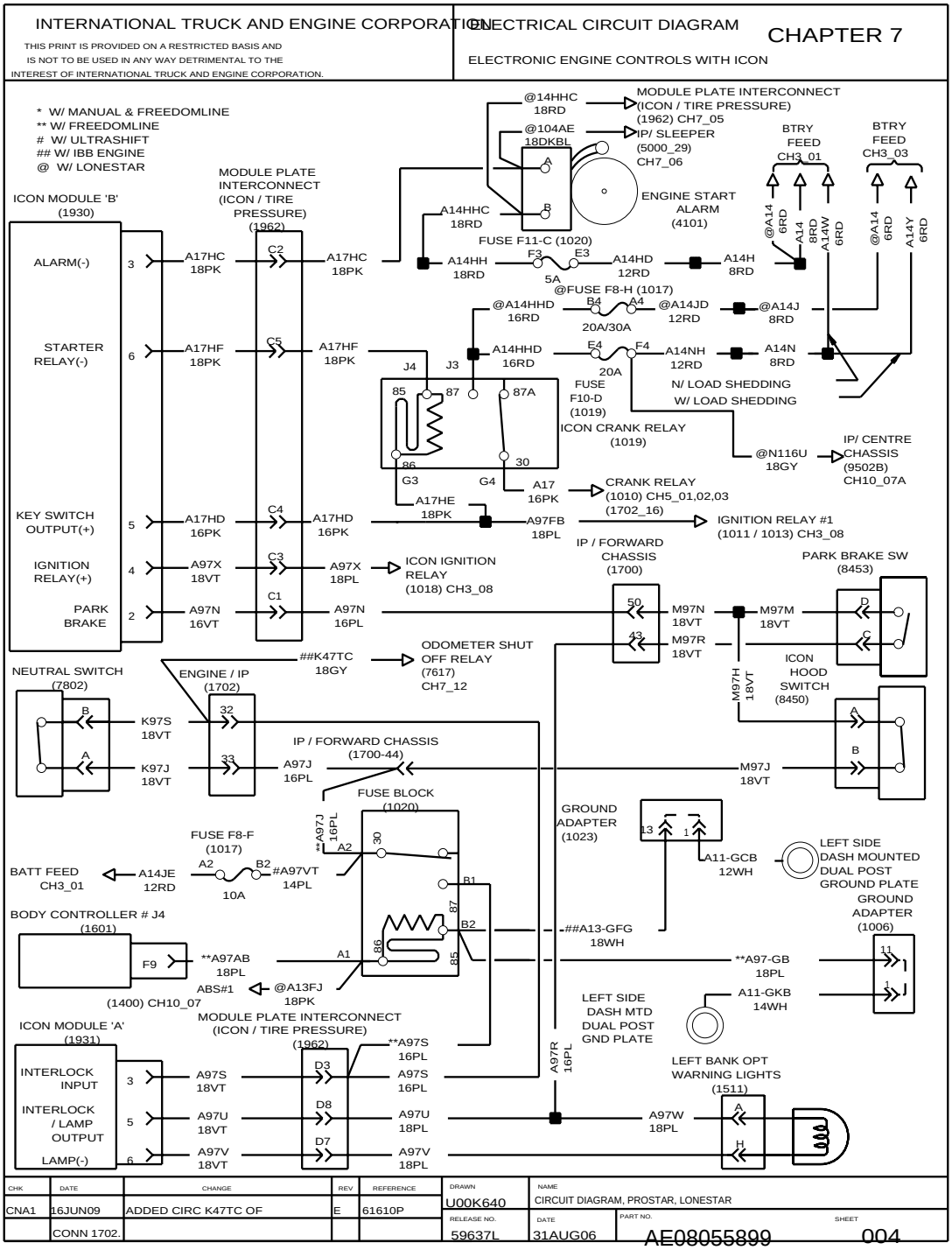

Figure 116 Electronic Engine Controls with ICON

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7.6. ELECTRONIC ENGINE CONTROLS WITH ICON, P. 5

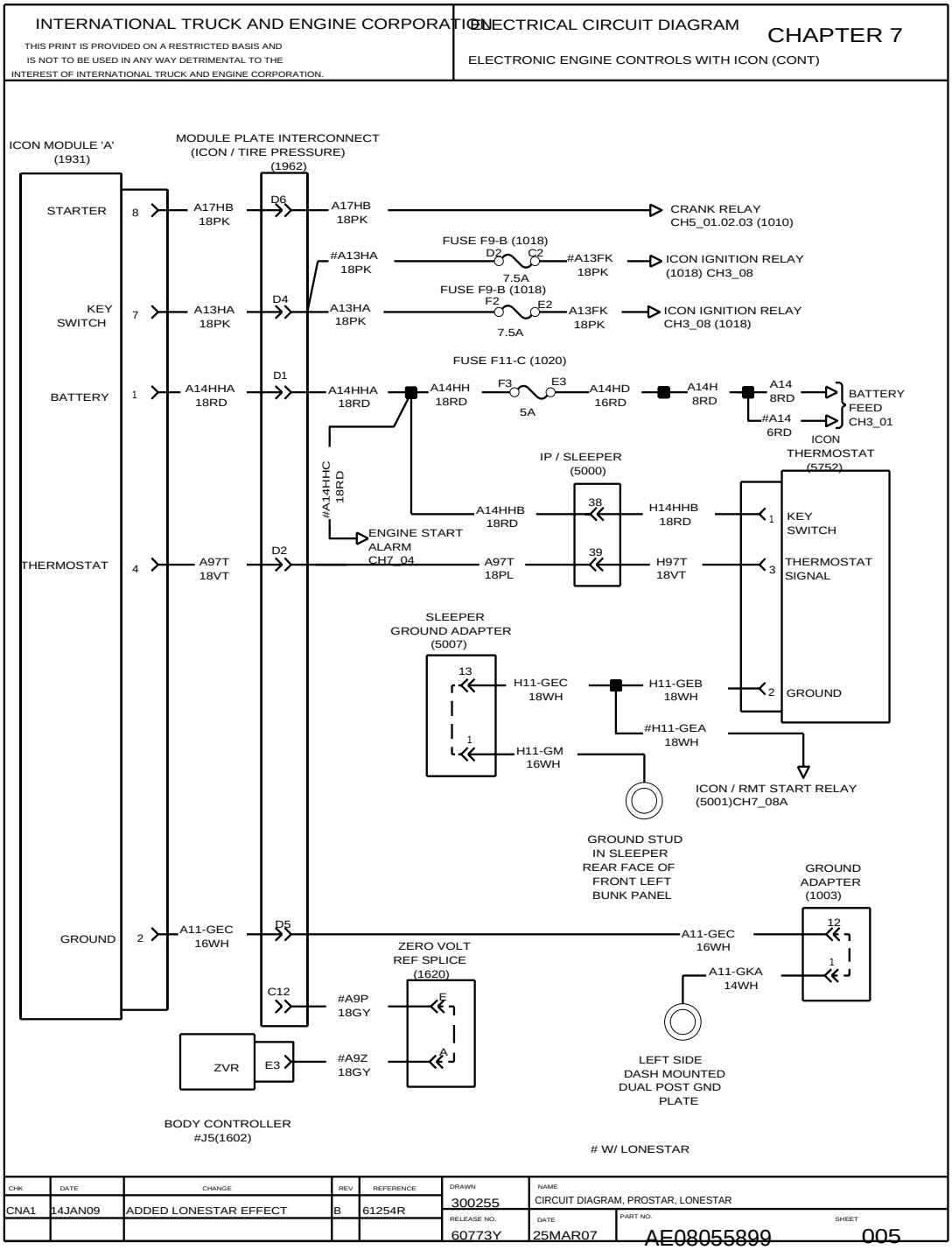

Figure 117 Electronic Engine Controls with ICON (Cont.)

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7.7. ELECTRONIC ENGINE CONTROLS WITH ICON, P. 6

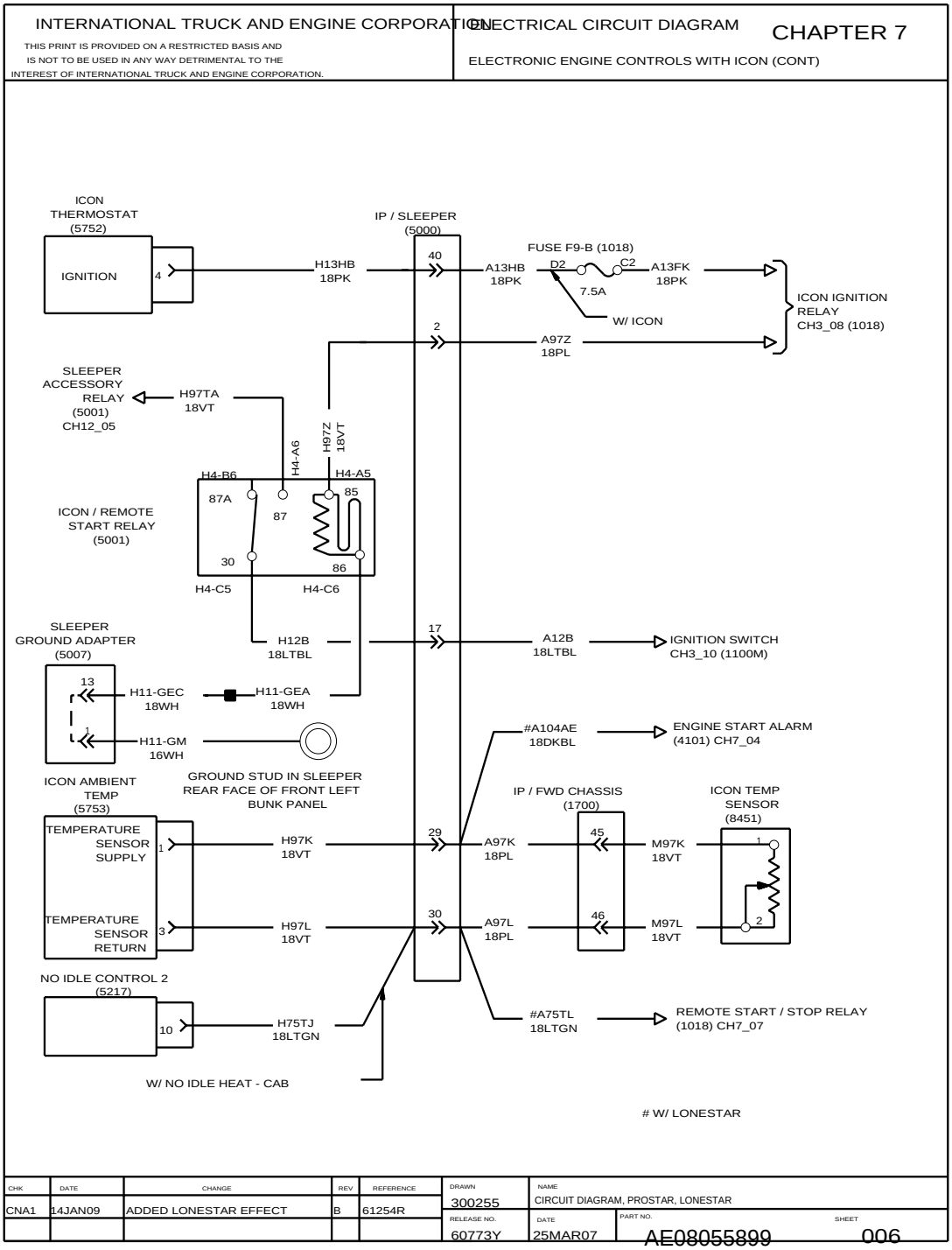

Figure 118 Electronic Engine Controls with ICON (Cont.)

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7.8. REMOTE START/STOP, P. 7

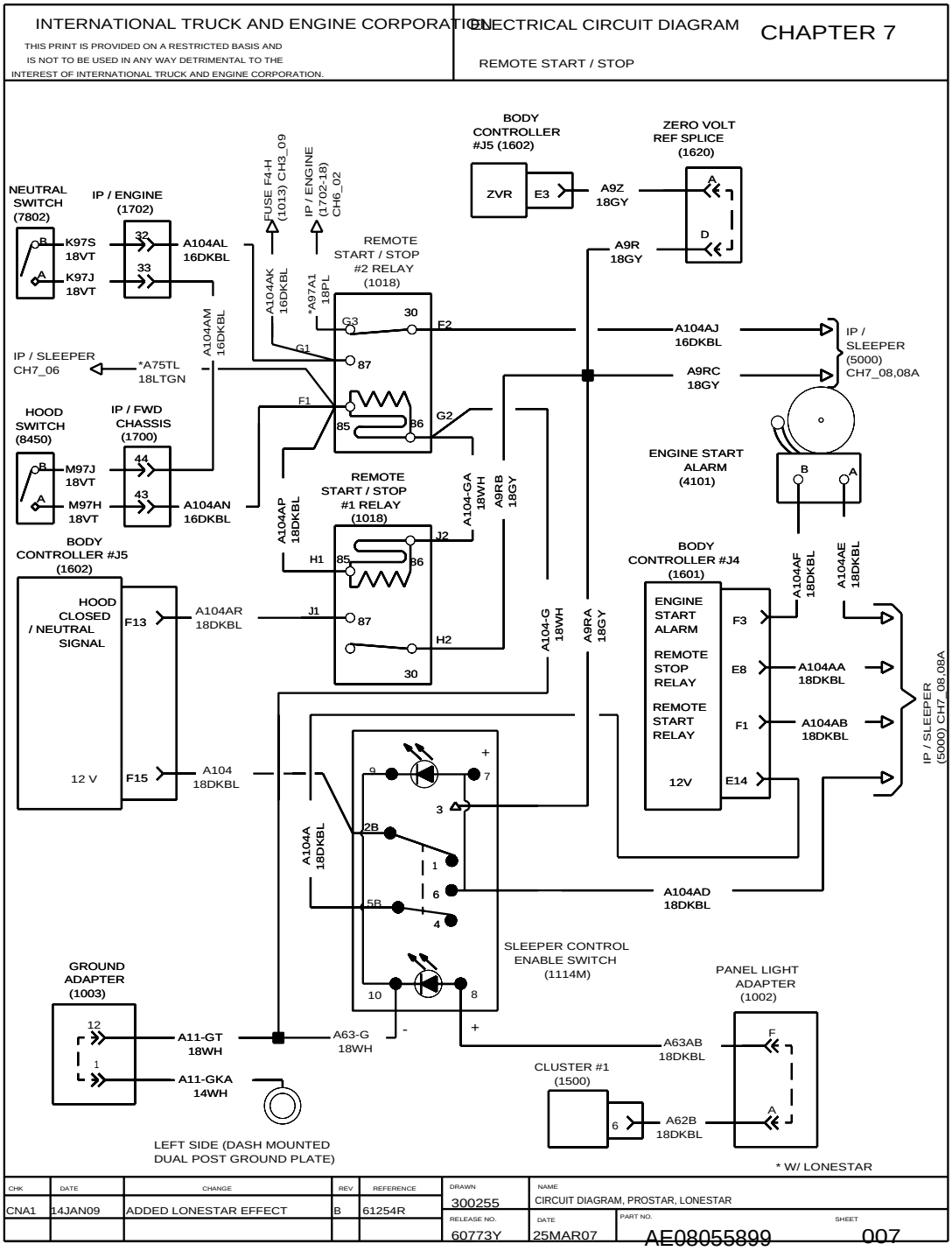

Figure 119 Remote Start/Stop

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7.9. REMOTE START/STOP, P. 8

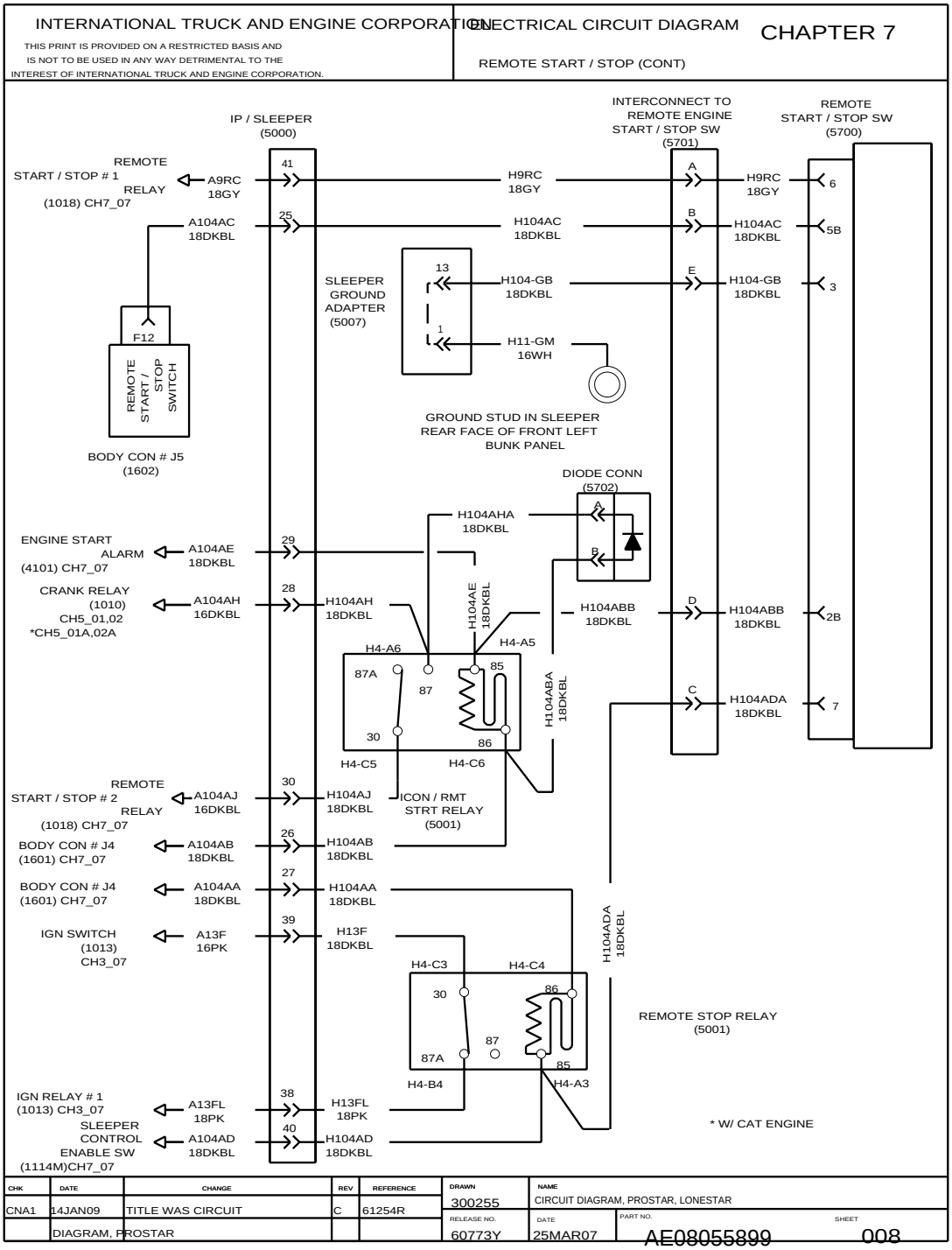

Figure 120 Remote Start/Stop (Cont.)

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7.10. REMOTE START/STOP, P. 8A

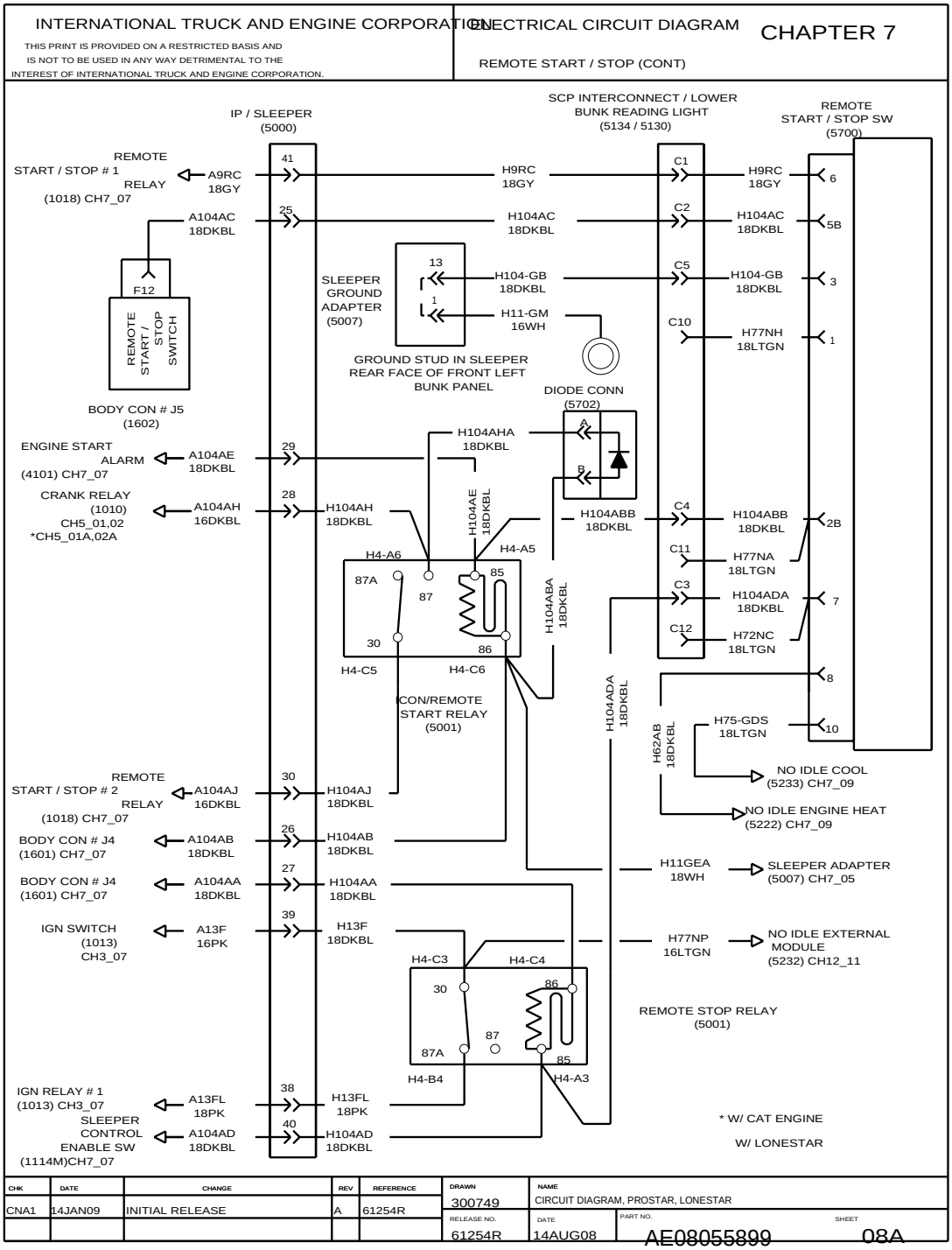

Figure 121 Remote Start/Stop (Cont.)

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7.11. NO IDLE ENGINE HEAT, P. 9

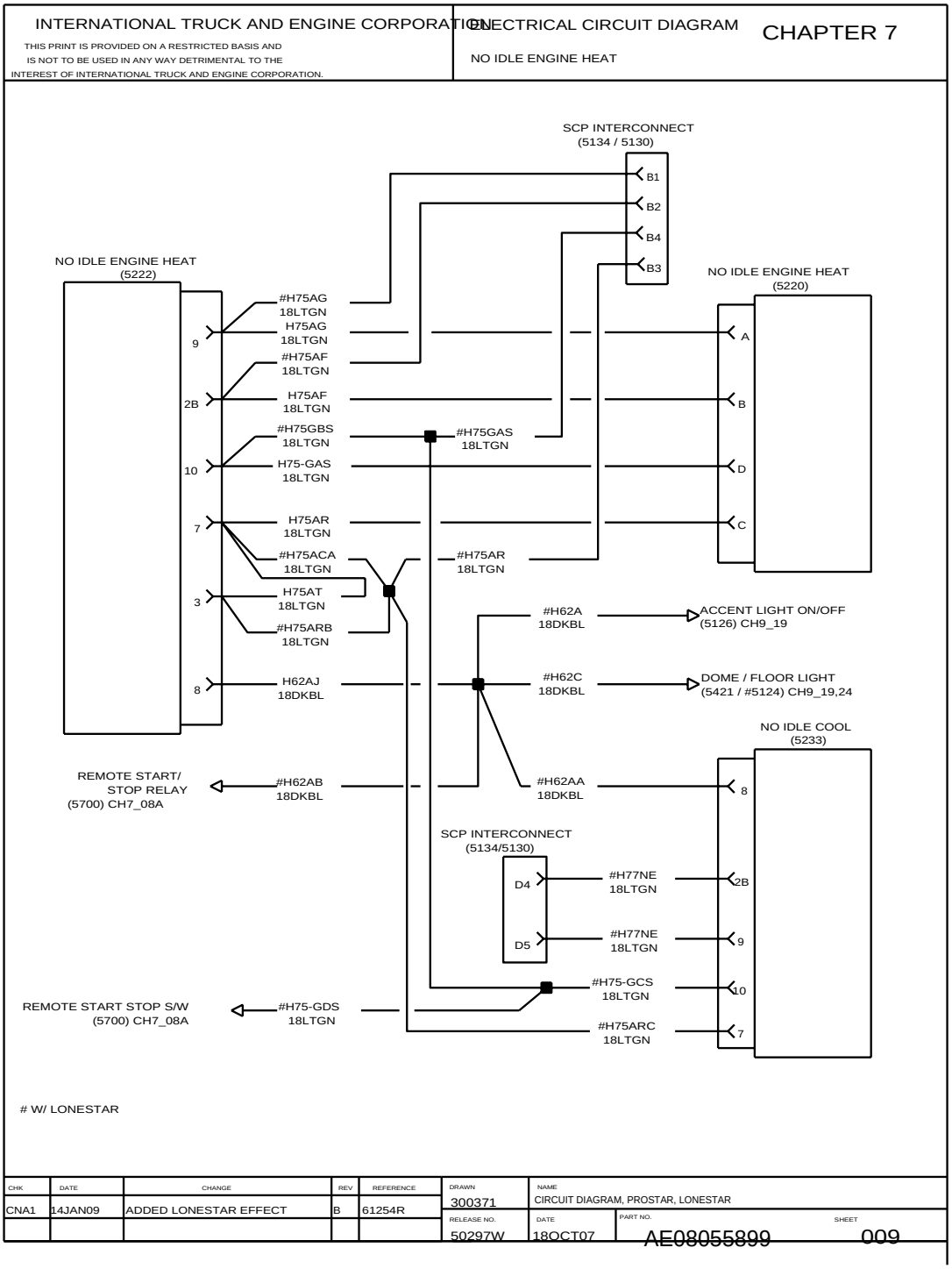

Figure 122 No Idle Engine Heat

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7.12. TRI-PAC NO IDLE, P. 10

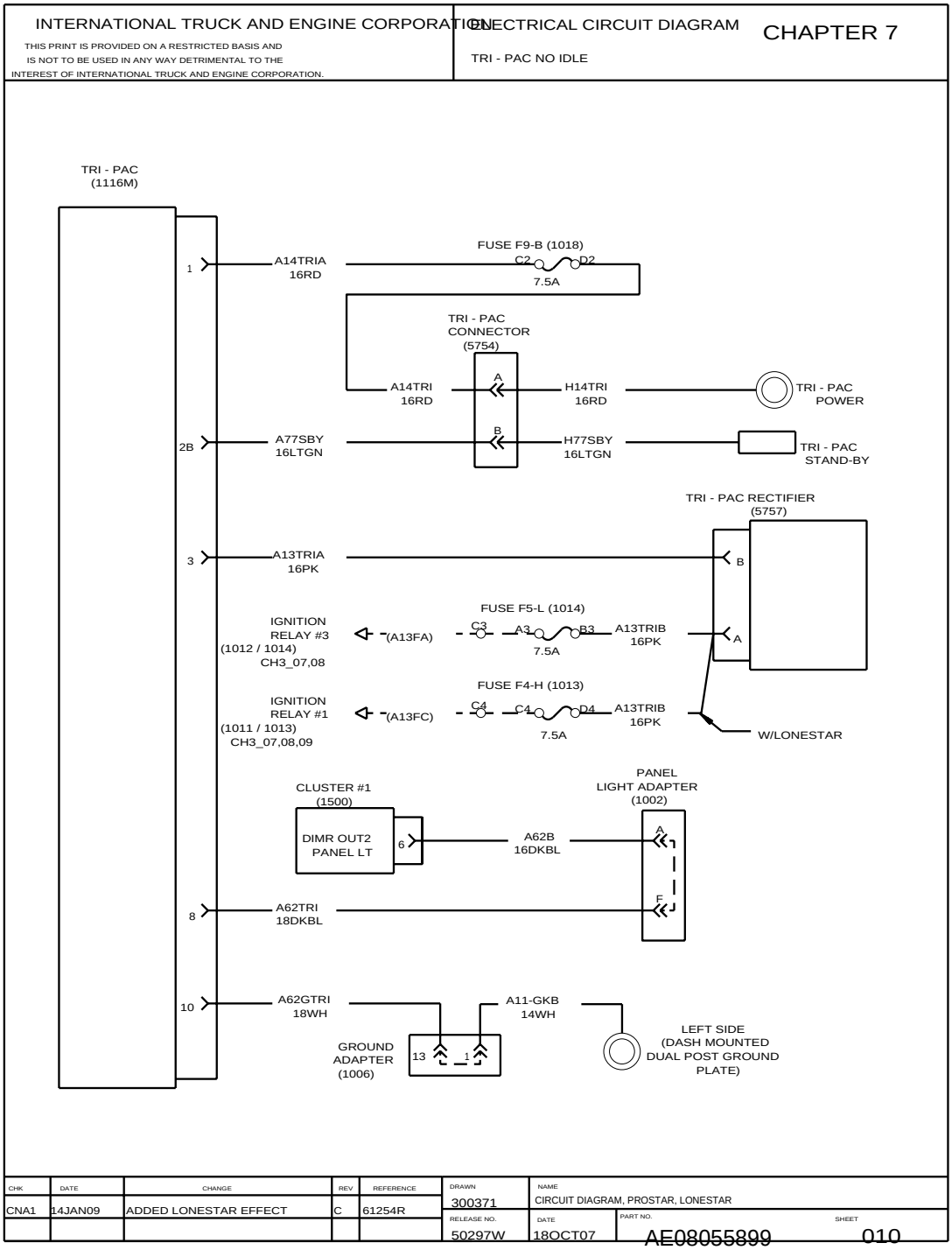

Figure 123 Tri-Pac No Idle

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7.13. ELECTRONIC ENGINE CONTROLS (IBB ENGINE), P. 11

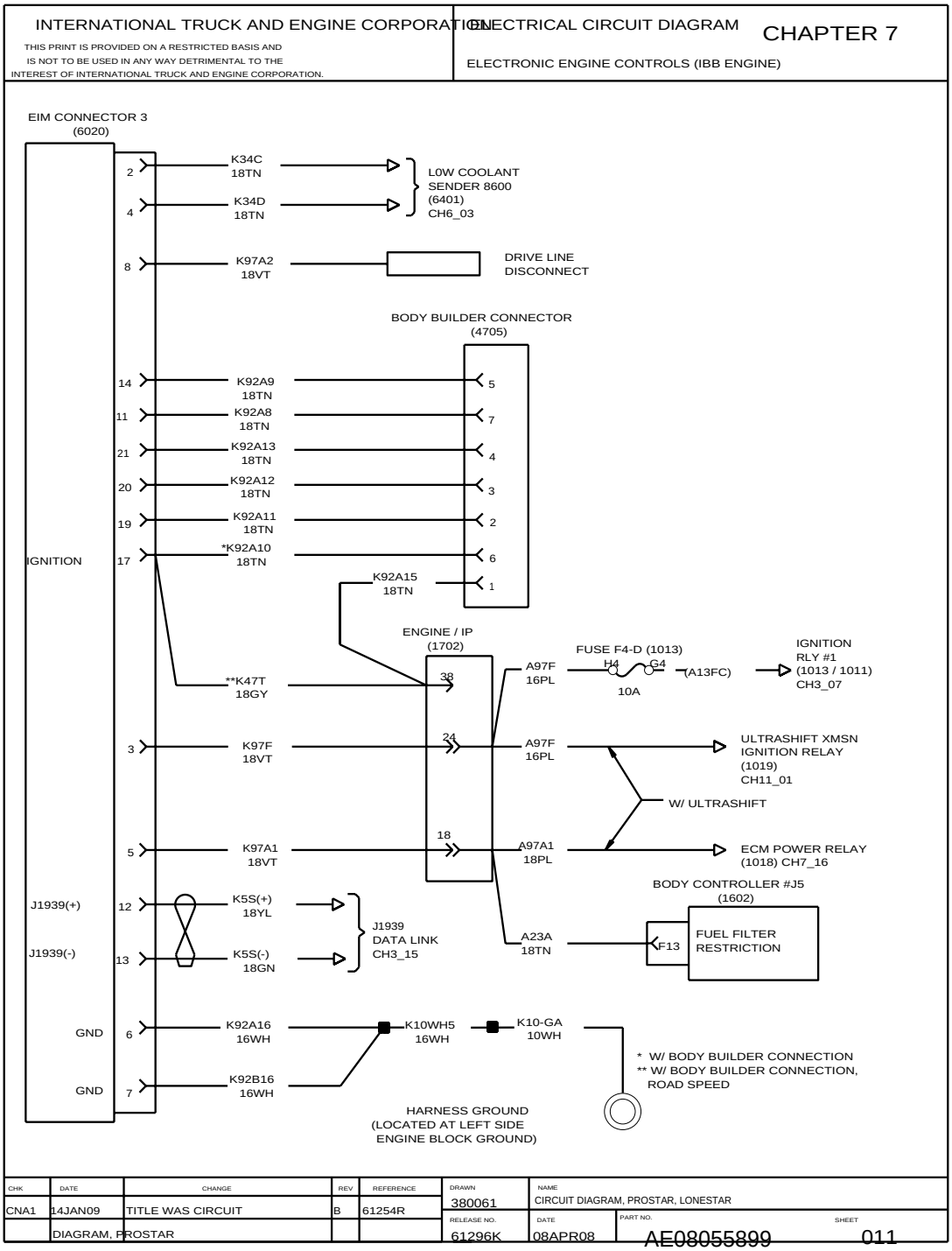

Figure 124 Electronic Engine Controls (IBB Engine)

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7.14. ELECTRONIC ENGINE CONTROLS (IBB ENGINE), P. 12

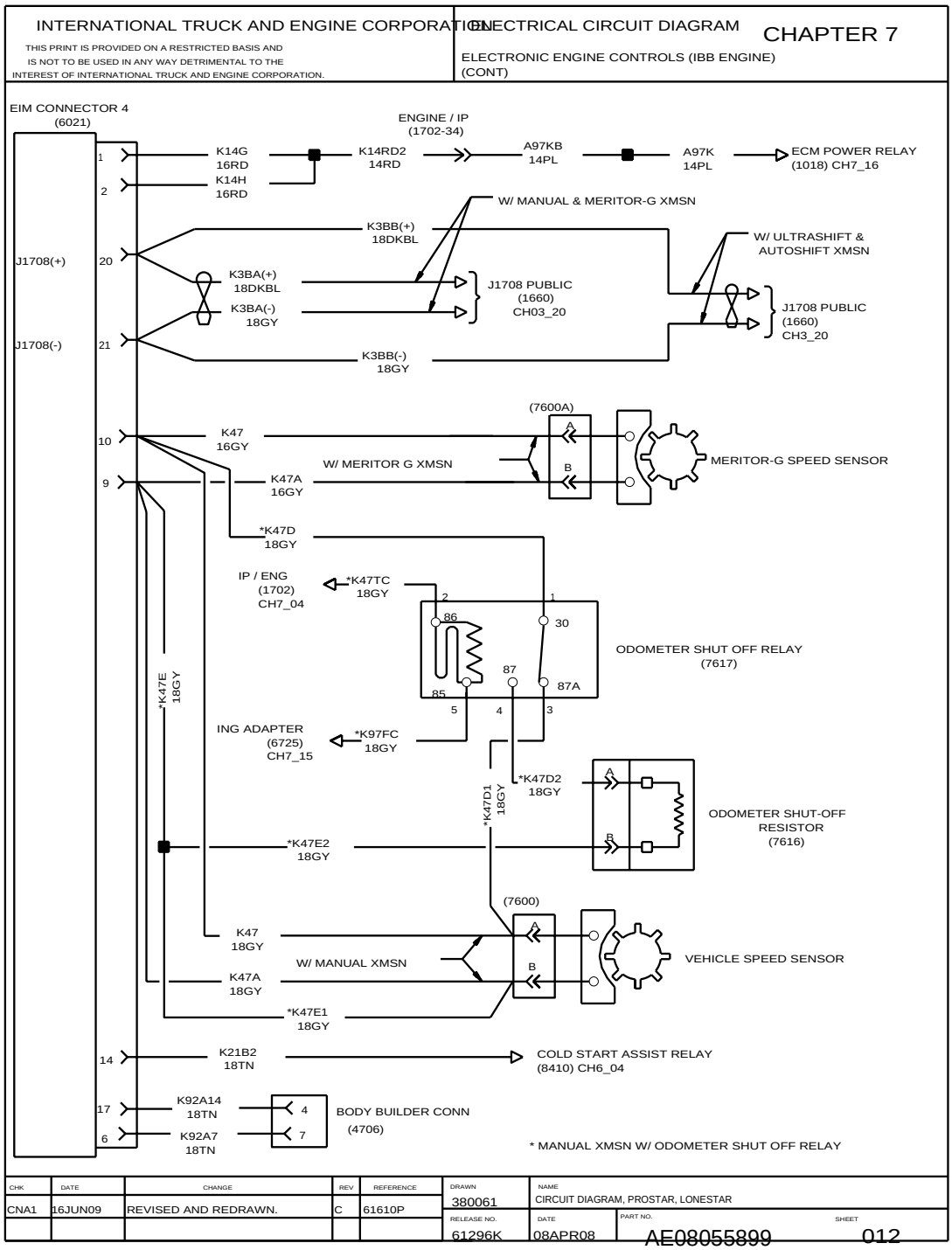

Figure 125 Electronic Engine Controls (IBB Engine)

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7.15. ELECTRONIC ENGINE CONTROLS (IBB ENGINE), P. 12A

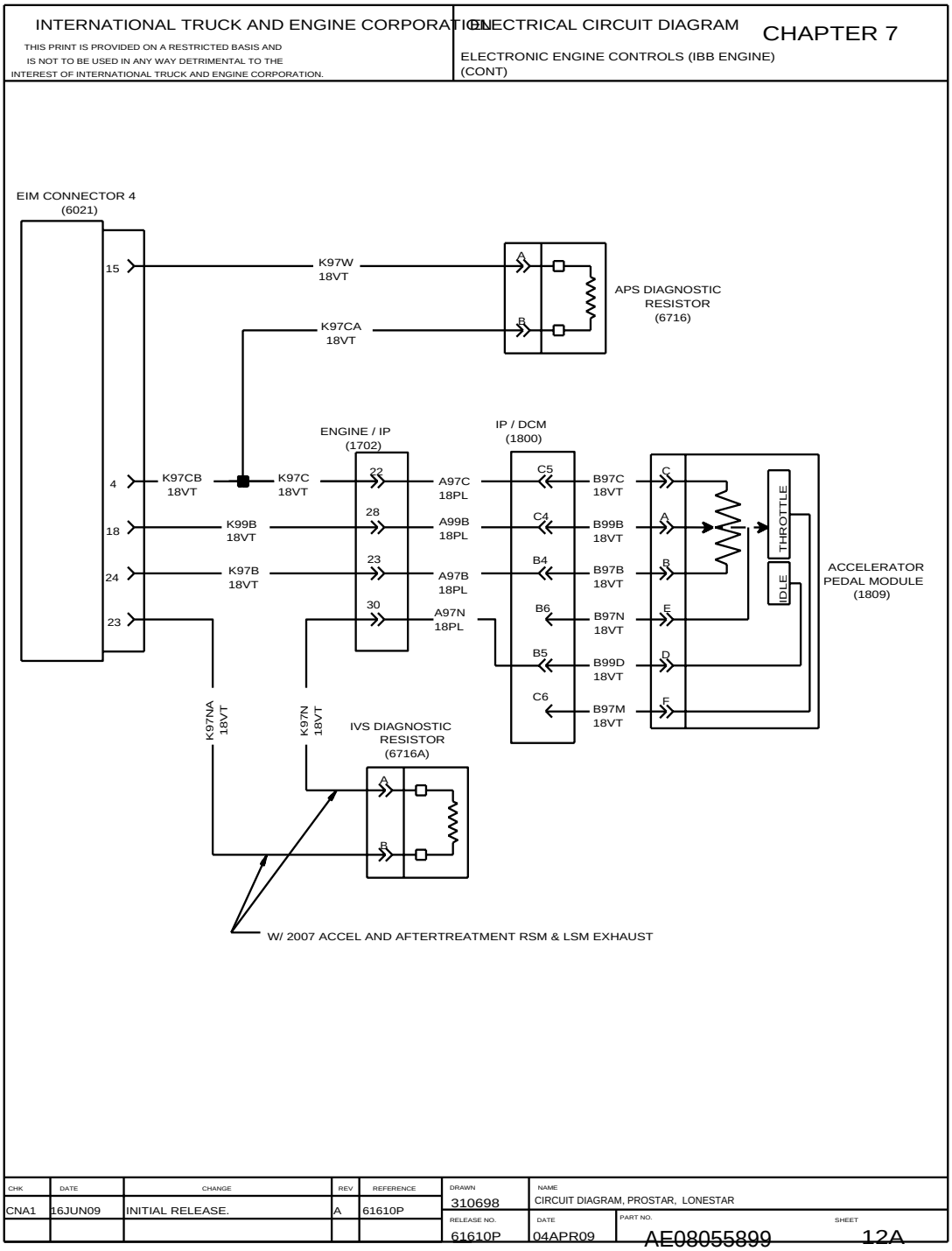

Figure 126 Electronic Engine Controls (IBB Engine)

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7.16. ELECTRONIC ENGINE CONTROLS (IBB ENGINE), P. 13

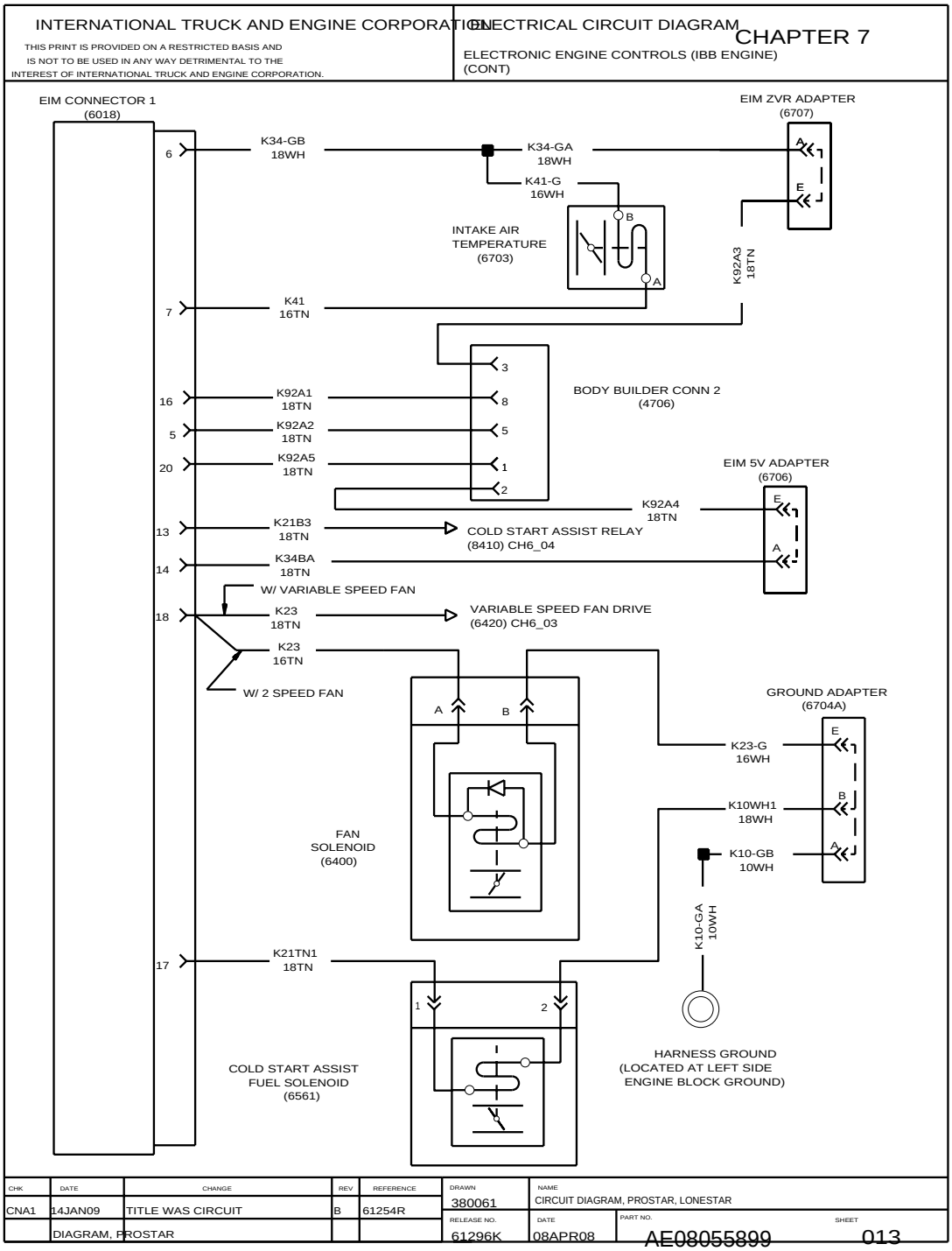

Figure 127 Electronic Engine Controls (IBB Engine)

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7.17. ELECTRONIC ENGINE CONTROLS (IBB ENGINE), P. 14

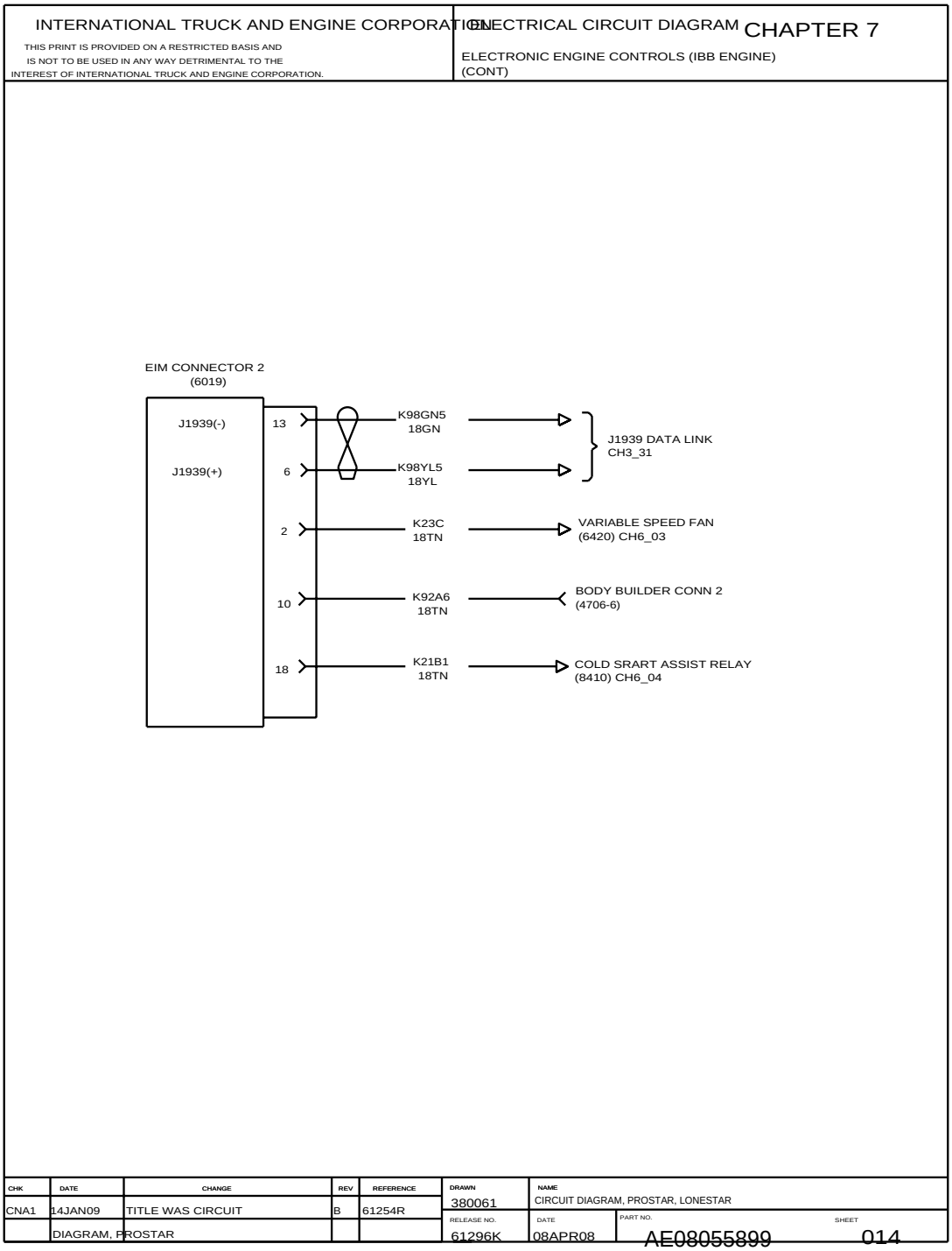

Figure 128 Electronic Engine Controls (IBB Engine)

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7.18. ELECTRONIC ENGINE CONTROLS (IBB ENGINE), P. 15

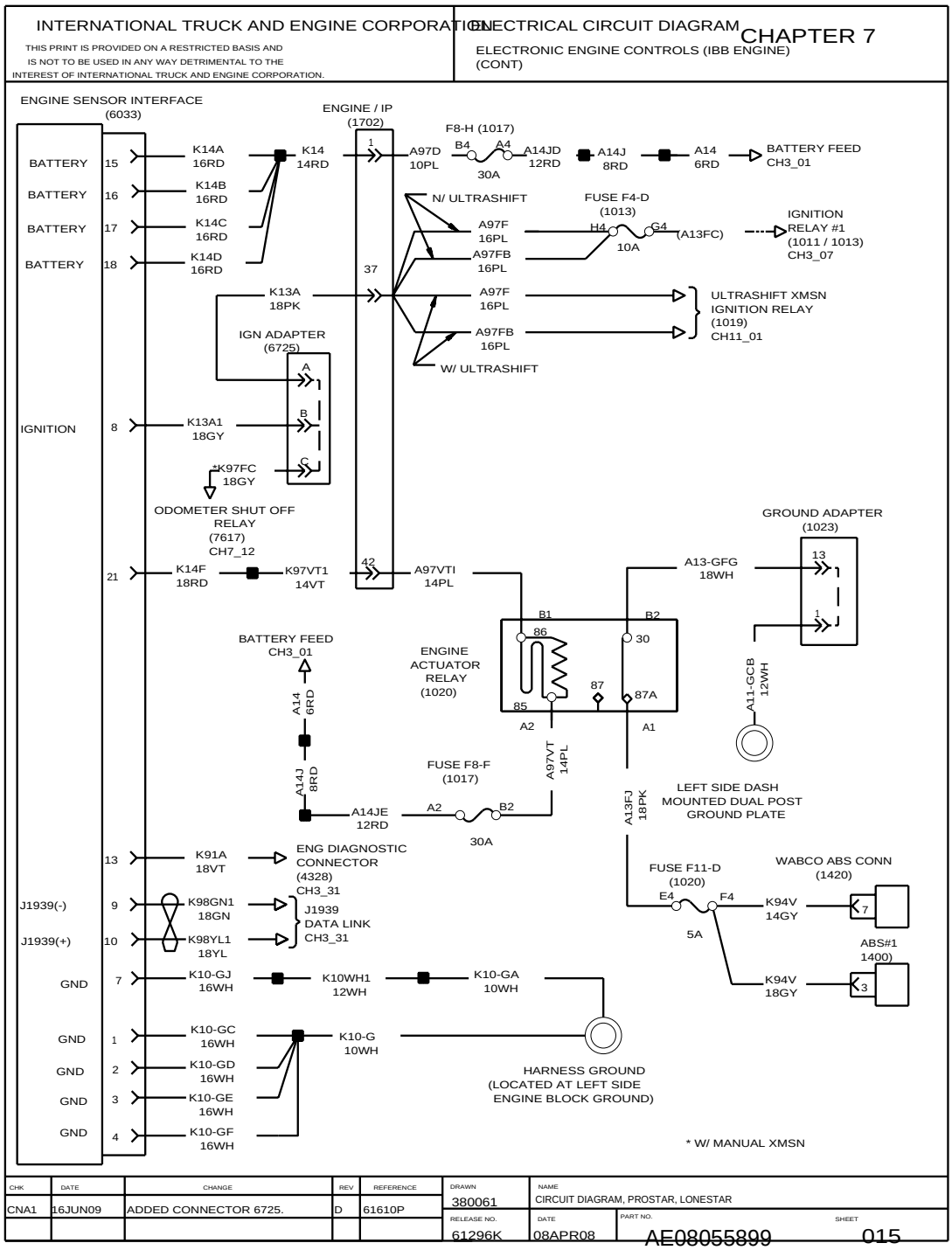

Figure 129 Electronic Engine Controls (IBB Engine)

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7.19. AFTERTREATMENT (IBB ENGINE), P. 16

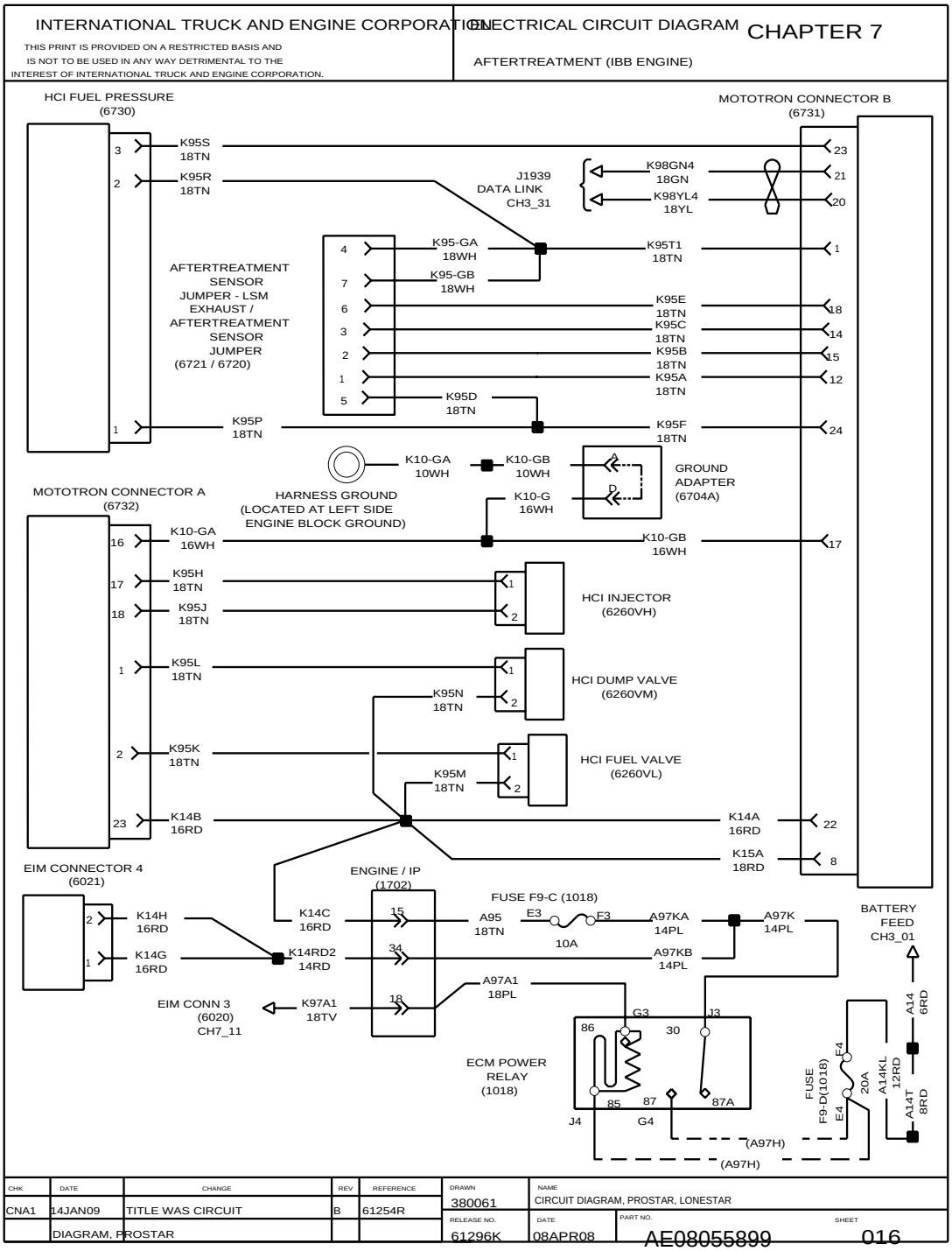

Figure 130 Aftertreatment (IBB Engine)

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8. GAUGES AND WARNING LIGHTS (CHAPTER 8)

8.1. AIR PRESSURE INPUT CIRCUIT AND AIR RESTRICTION GAUGE, P. 1

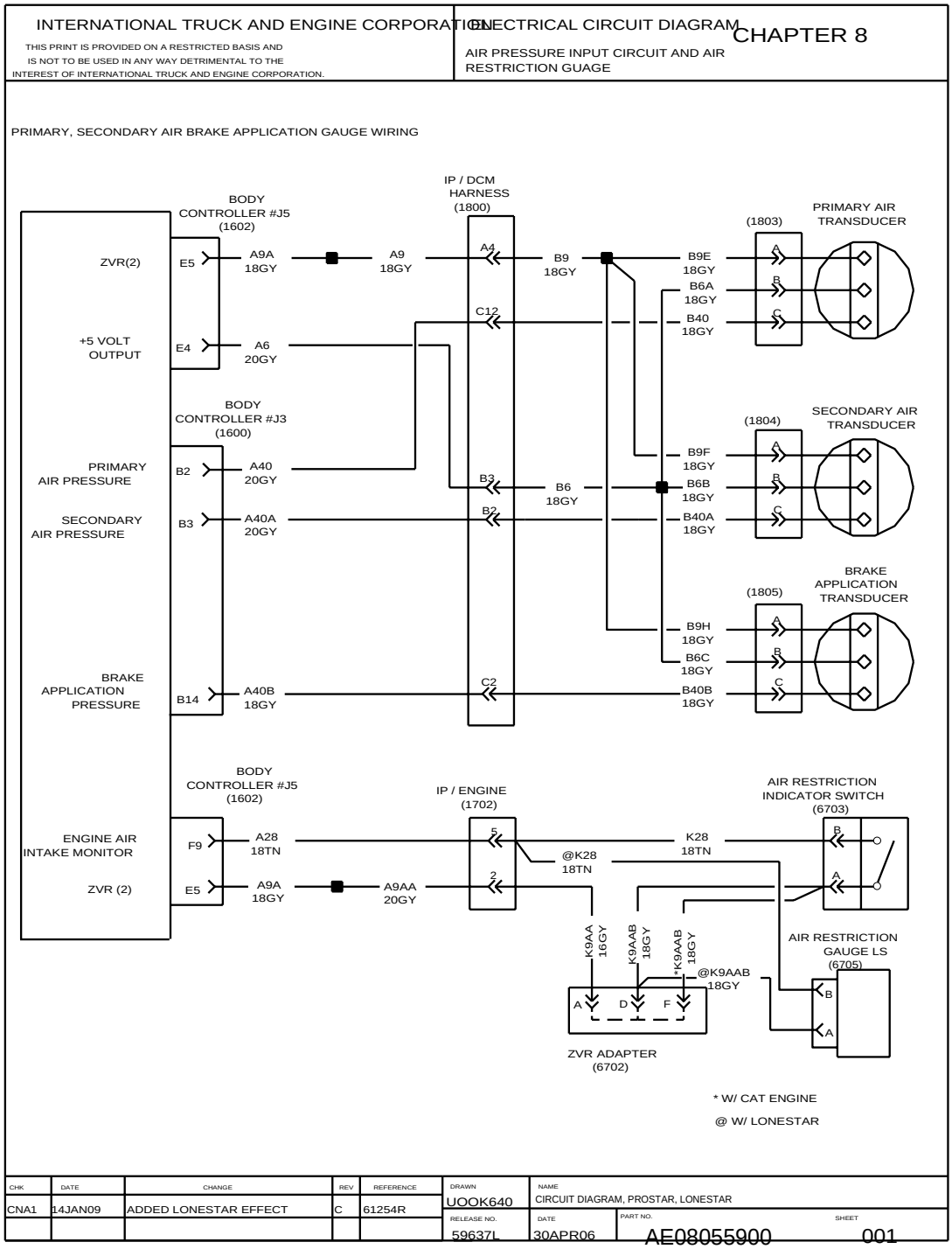

Figure 131 Air Pressure Input Circuit and Air Restriction Gauge

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8.2. AXLE TEMPERATURE GAUGES, P. 2

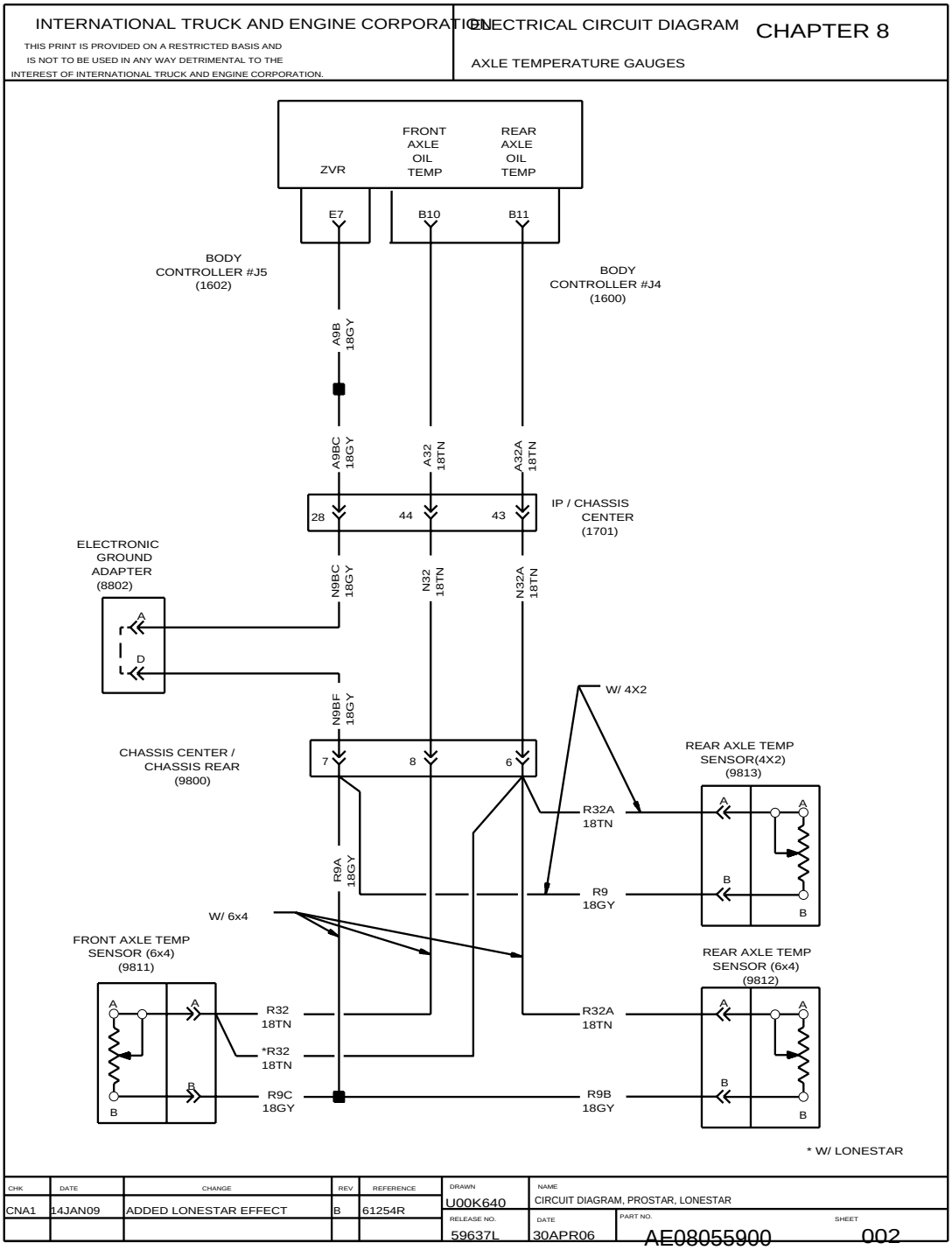

Figure 132 Axle Temperature Gauges

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8.3. ENGINE OIL PRESSURE AND TEMPERATURE, SPEEDOMETER, TACHOMETER, VOLTMETER AND WATER TEMP. GAUGES, P. 3

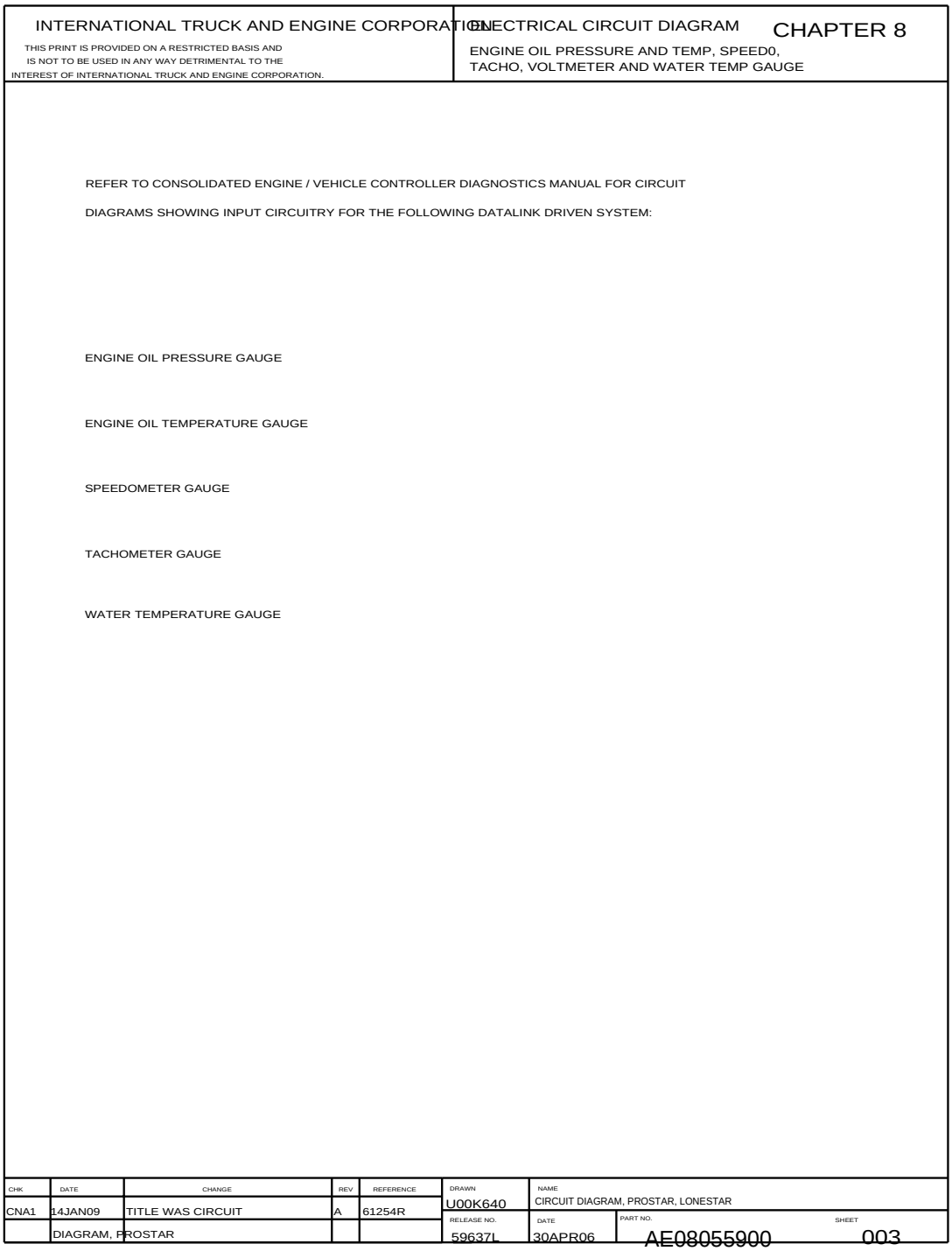

Figure 133 Engine Oil Pressure and Temperature, Speedometer, Tachometer, Voltmeter and Water Temp. Gauges

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8.4. ENGINE OIL AND TRANSMISSION OIL TEMPERATURE GAUGES, P. 4

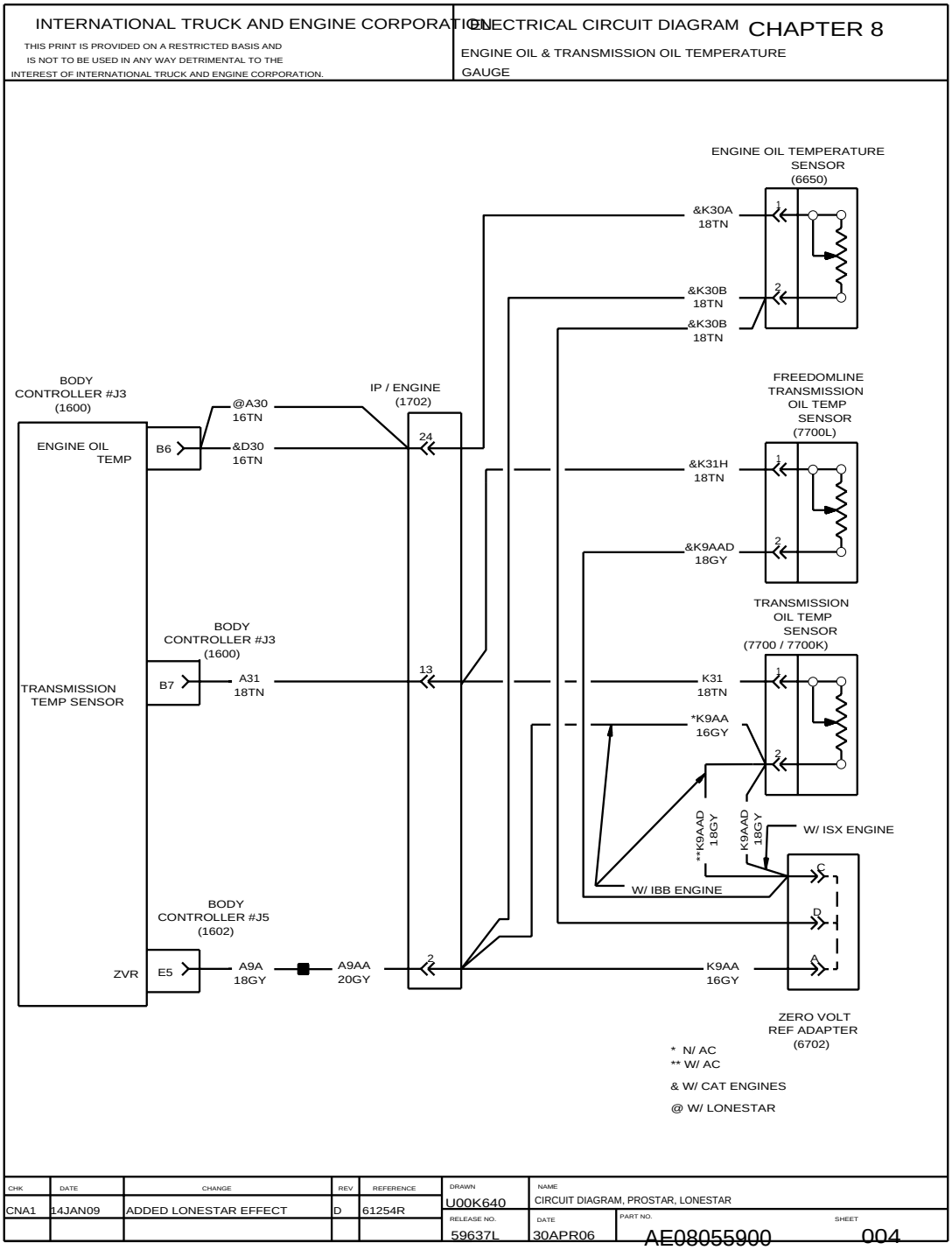

Figure 134 Engine Oil and Transmission Oil Temperature Gauges

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8.5. FUEL HEATER, P. 5

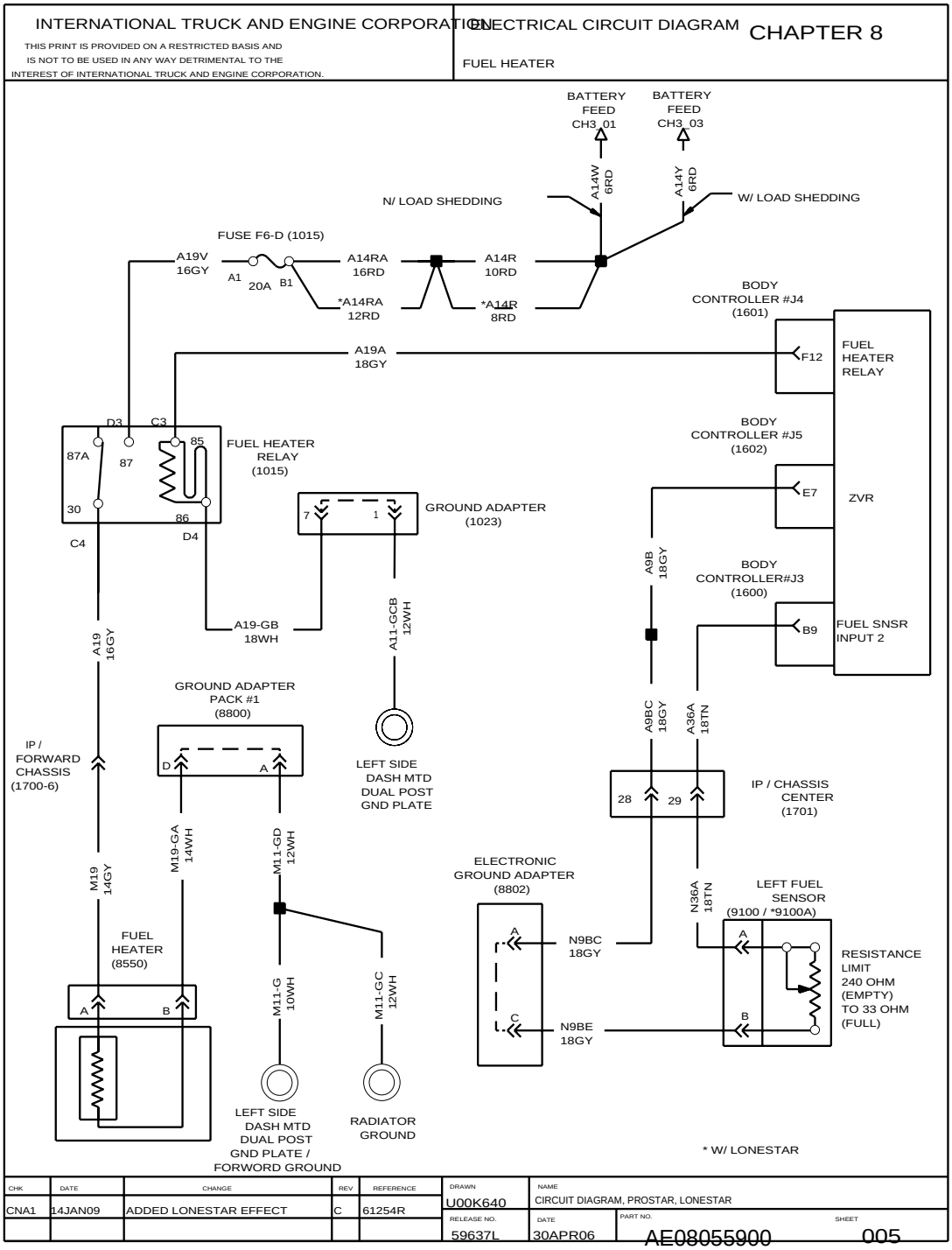

Figure 135 Fuel Heater

https://truckmanualshub.com/

8.6. FUEL TRANSFER PUMP FOR DUAL TANK, P. 6

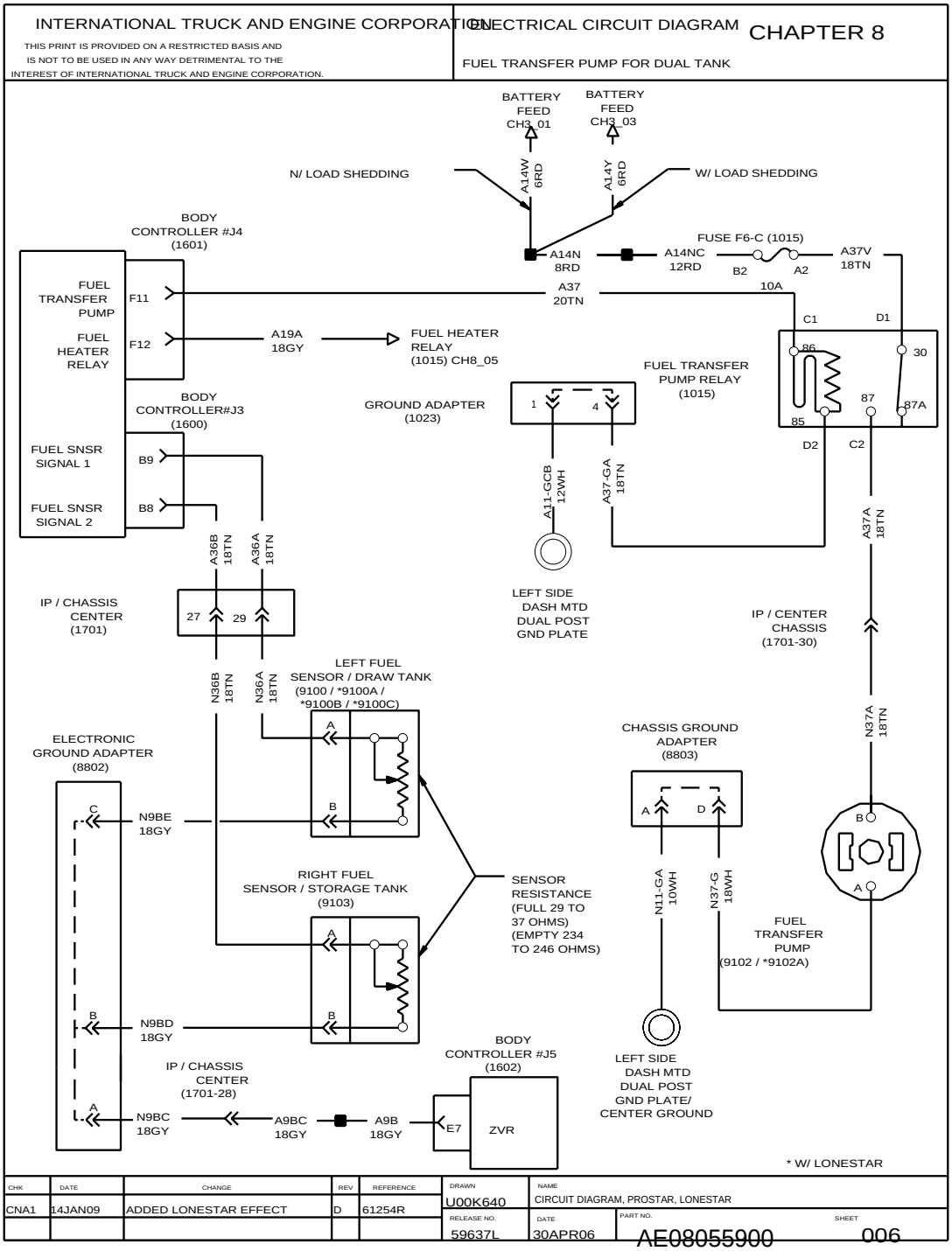

Figure 136 Fuel Transfer Pump for Dual Tank

https://truckmanualshub.com/

8.7. DIFFERENTIAL LOCK AND OPTIONAL INDICATOR, P. 7

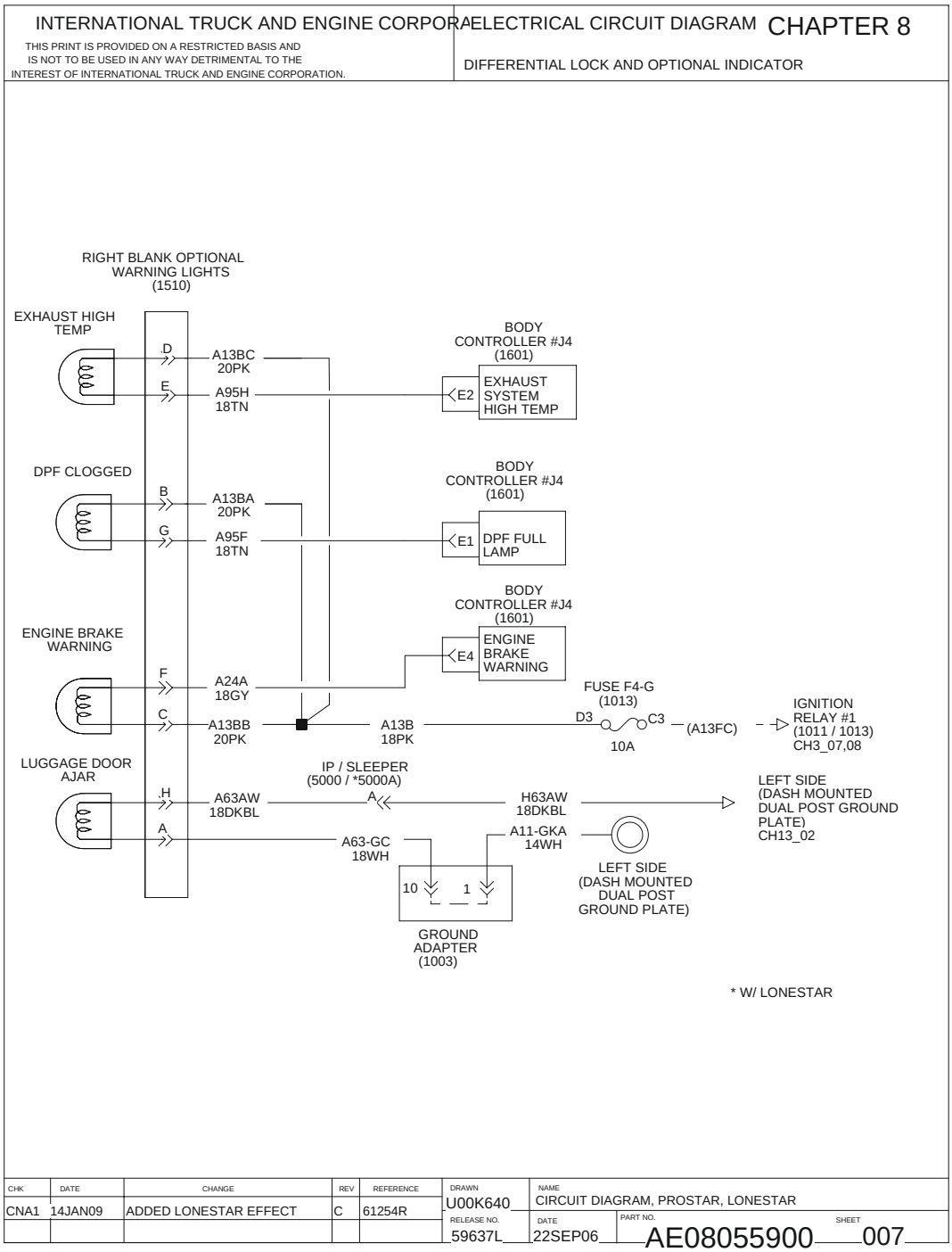

Figure 137 Differential Lock and Optional Indicator

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8.8. DIFFERENTIAL LOCK AND OPTIONAL INDICATOR, P. 8

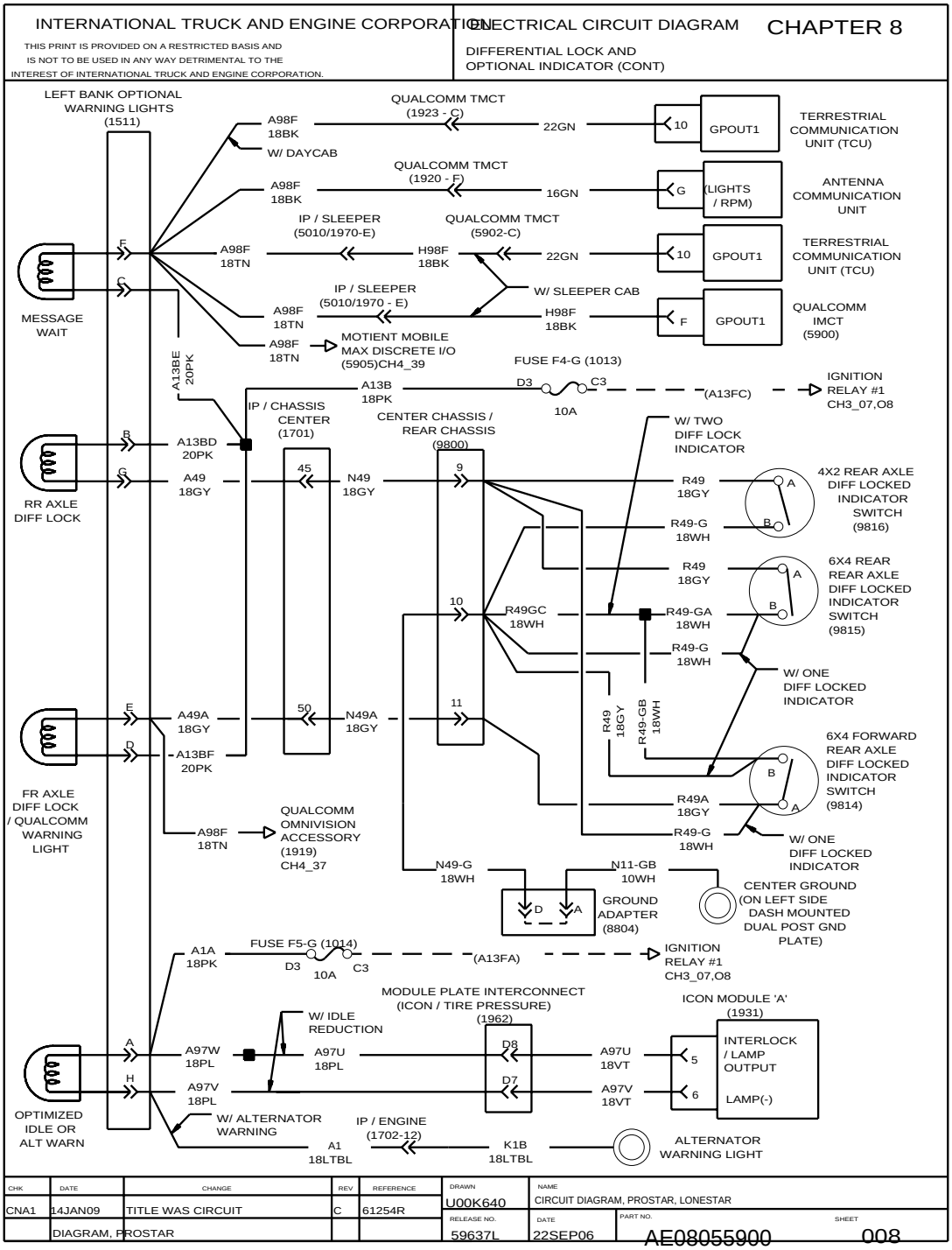

Figure 138 Differential Lock and Optional Indicator (Cont.)

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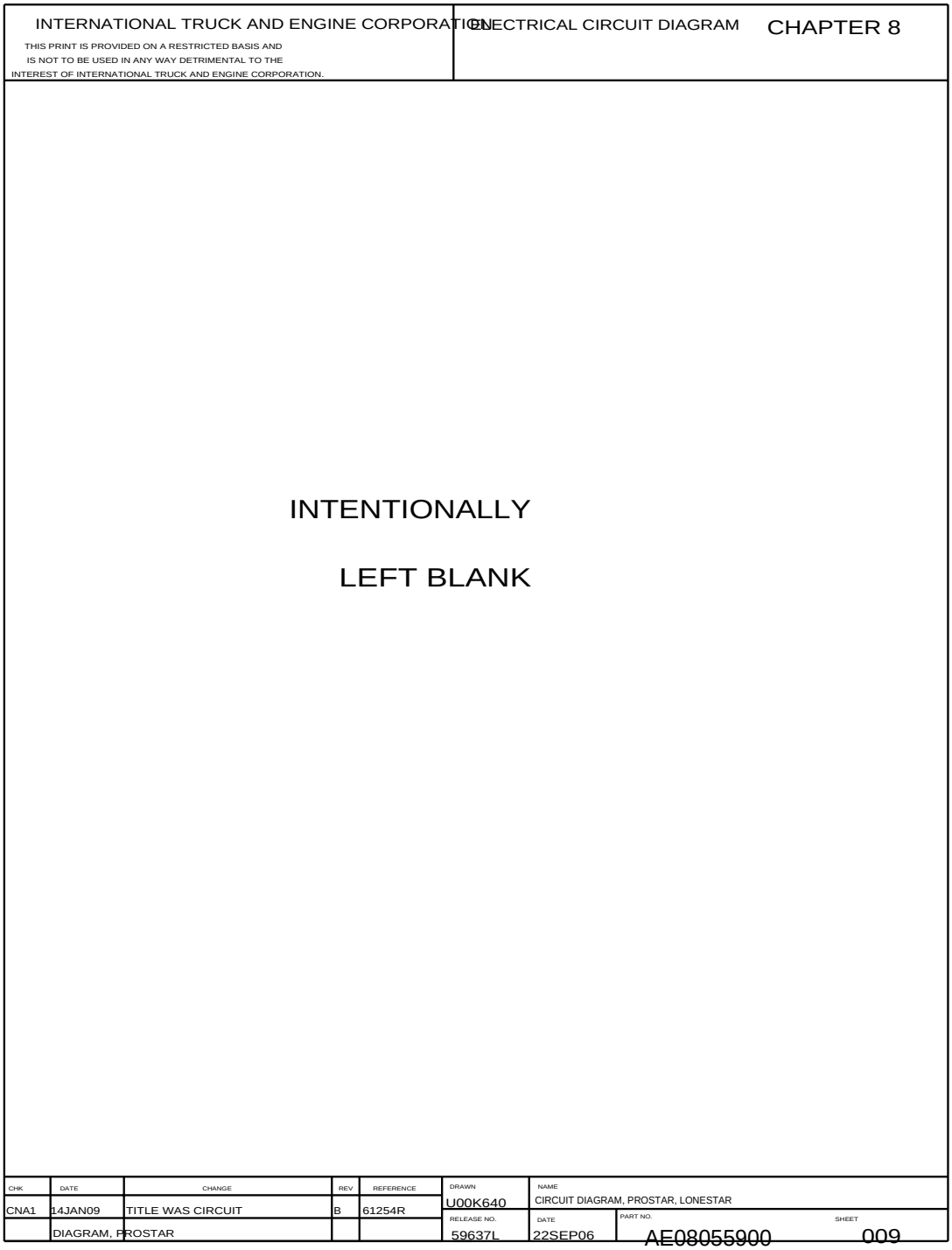
8.9. BLANK PAGE, P. 9



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8.10. IP / GAUGES, P. 10

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ELECTRICAL CIRCUIT DIAGRAM — CHAPTER 8

IP / GAUGES

INSTRUMENT PANEL GAUGE CLUSTER			
GAUGE	WARN LIGHT	SIGNAL PATH	SENSOR LOCATION
RPM (TACH)	NO	ENGINE CONT / DRIVE TRAIN J1939 / CLUSTER	ENGINE
MPH/KPH (SPD)	NO	ENGINE CONT / DRIVE TRAIN J1939 / CLUSTER	TRANSMISSION
FUEL	YES	BODY CONT / DRIVE TRAIN J1939 / CLUSTER	FUEL TANK
VOLT	YES	BODY CONT / DRIVE TRAIN J1939 / CLUSTER	-
AIR 1 (PRES)	YES	BODY CONT / DRIVE TRAIN J1939 / CLUSTER	DRIVER CONTROL MODULE
AIR 2 (PRES)	YES	BODY CONT / DRIVE TRAIN J1939 / CLUSTER	DRIVER CONTROL MODULE
WATER (TEMP)	YES	ENGINE CONT / DRIVE TRAIN J1939 / CLUSTER	ENGINE
ENG OIL (TEMP)	YES	ENGINE CONT / DRIVE TRAIN J1939 / CLUSTER	ENGINE
OIL (PRES)	YES	ENGINE CONT / DRIVE TRAIN J1939 / CLUSTER	ENGINE
TRANS (TEMP)	YES	BODY CONT / DRIVE TRAIN J1939 / CLUSTER	TRANSMISSION

SECONDARY GAUGE CLUSTER			
GAUGE	WARN LIGHT	SIGNAL PATH	SENSOR LOCATION
REAR RR AXLE OIL TEMP	YES	BODY CONT / DRIVE TRAIN J1939 / CLUSTER	REAR RR AXLE
FORWARD RR AXLE OIL TEMP	YES	BODY CONT / DRIVE TRAIN J1939 / CLUSTER	FORWARD RR AXLE
BOOST PRESSURE	NO	ENGINE CONT / DRIVE TRAIN J1939 / CLUSTER	ENGINE
AIR APPLICATION	NO	BODY CONT / DRIVE TRAIN J1939 / CLUSTER	DRIVER CONTROL MODULE

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

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
CNA1	14JAN09	TITLE WAS CIRCUIT	B	61254R	U00K640	CIRCUIT DIAGRAM, PROSTAR, LONESTAR
		DIAGRAM, PROSTAR			RELEASE NO. 59637L	DATE 30AUG06

PART NO. AE08055900 SHEET 010

Figure 140 IP / Gauges

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8.11. IP / GAUGES AND WARNING LIGHTS — GAUGE CLUSTER, P. 11

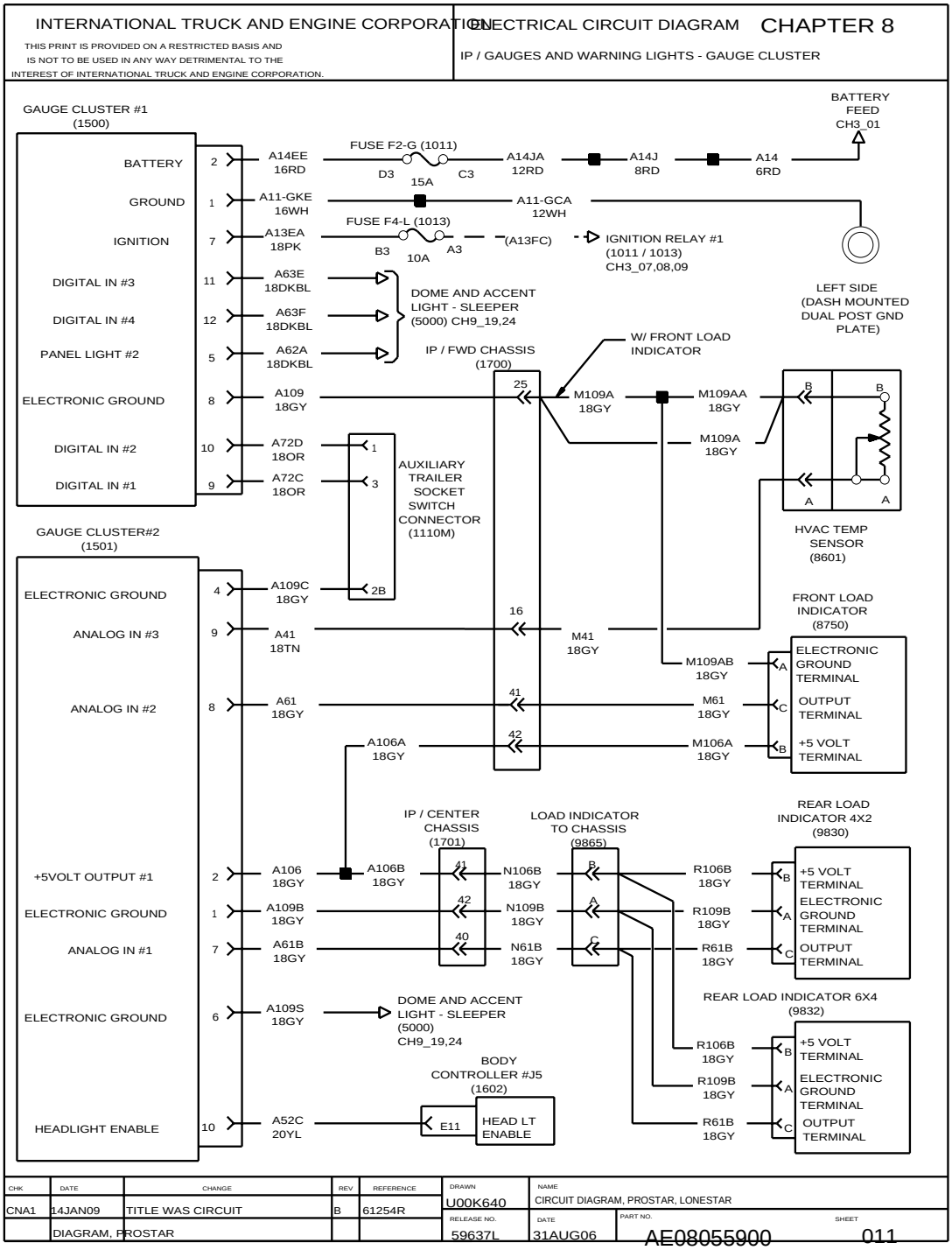

Figure 141 IP / Gauges and Warning Lights — Gauge Cluster

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8.12. SECONDARY INSTRUMENT CLUSTER, P. 12

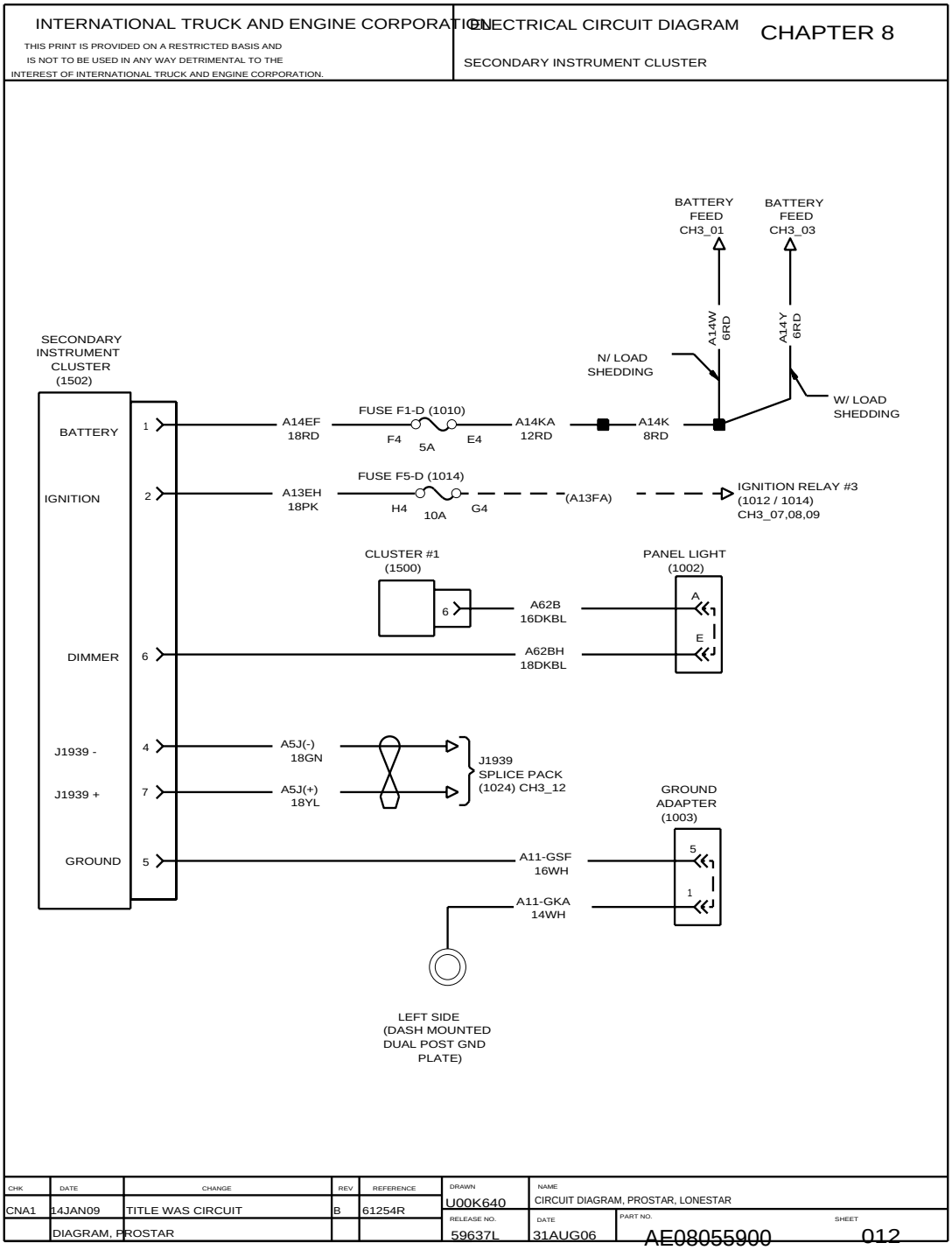

Figure 142 Secondary Instrument Cluster

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8.13. PARKING WARNING LIGHT, P. 13

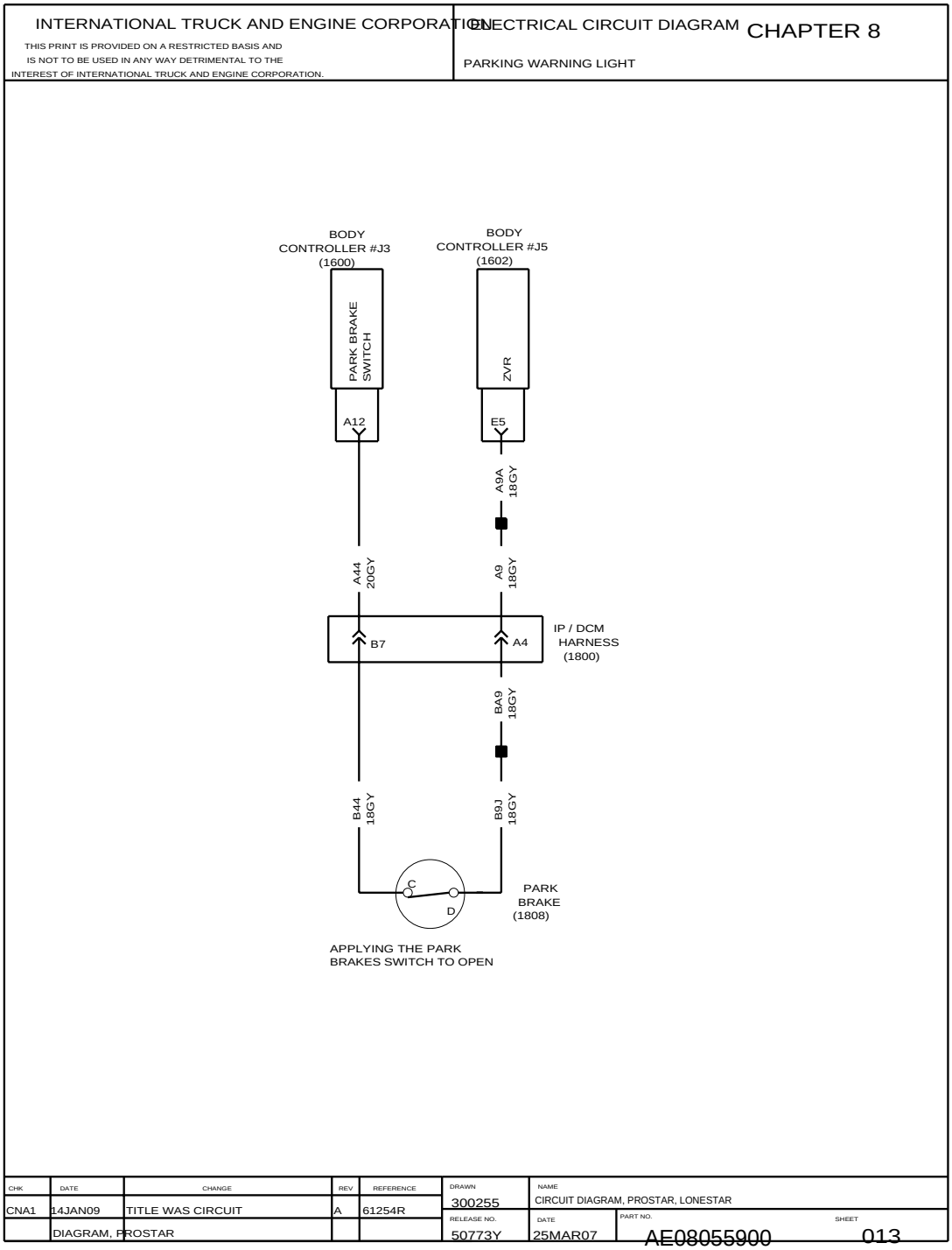

Figure 143 Parking Warning Light

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8.14. WARNING LIGHTS, P. 14

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ELECTRICAL CIRCUIT DIAGRAM CHAPTER 8

WARNING LIGHTS

IP WARNING LIGHTS

WARNING LIGHT	REPRESENTATION	COLOR	SIGNAL PATH
RANGE INHIBITED	RANGE INHIBITED	YELLOW	TCM / J1939 / CLUSTER
PROTECT	[ICON]	YELLOW	SAE DIAGNOSTIC LAMP
RETARD OVER HEAT	RETARD OVERHEAT	YELLOW	STATUS TRANSMITTED IN J1939 PROPRIETARY MESSAGE FROM BODY CONTROLLER
AMBER WARN (AWL)	[YIELD ICON]	YELLOW	STATUS TRANSMITTED IN J1939 MESSAGE FROM ANY MODULE SAE DIAGNOSTIC LAMP
RED STOP (RSL)	[STOP ICON]	RED	STATUS TRANSMITTED IN J1939 MESSAGE FROM ANY MODULE SAE DIAGNOSTIC LAMP
BRAKE PRESSURE	BRAKE PRESSURE [BRAKE ICON]	RED	STATUS TRANSMITTED IN J1939 PROPRIETARY MESSAGE FROM BODY CONTROLLER
PARK BRAKE	PARK [ICON]	RED	STATUS TRANSMITTED IN J1939 PROPRIETARY MESSAGE FROM BODY CONTROLLER
EMERGENCY EXIT	EMERG EXIT	RED	STATUS TRANSMITTED IN J1939 PROPRIETARY MESSAGE FROM BODY CONTROLLER
LIFT DOOR	LIFT DOOR	YELLOW	STATUS TRANSMITTED IN J1939 PROPRIETARY MESSAGE FROM BODY CONTROLLER
TRAILER ABS	ABS [TRAILER ICON]	YELLOW	STATUS TRANSMITTED IN J1939 MESSAGE FROM ABS
WAIT TO START	WAIT TO START	YELLOW	STATUS TRANSMITTED IN J1939 PROPRIETARY MESSAGE FROM BODY CONTROLLER
TRACTION CONTROL	TRAC CTRL	YELLOW	STATUS TRANSMITTED IN J1939 MESSAGE FROM ABS
IDLE SHUTDOWN	IDLE SHUTDOWN	YELLOW	STATUS TRANSMITTED IN J1939 MESSAGE FROM ECM
MALFUNCTION (MIL)	[ICON]	YELLOW	SAE DIAGNOSTIC LAMP
PTO ENGAGED INDICATOR	PTO	YELLOW	STATUS TRANSMITTED IN J1939 PROPRIETARY MESSAGE FROM BODY CONTROLLER
SERVICE PARK	SERVICE [ICON]	RED	STATUS TRANSMITTED IN J1939 PROPRIETARY MESSAGE FROM BODY CONTROLLER
SEAT BELT	FASTEN BELTS	RED	STATUS TRANSMITTED IN J1939 PROPRIETARY MESSAGE FROM BODY CONTROLLER
BRAKE FLUID	BRAKE FLUID [ICON]	RED	BODY CONT / J1939 / CLUSTER
RED FLASHER	RED FLASHER	RED	STATUS TRANSMITTED IN J1939 PROPRIETARY MESSAGE FROM BODY CONTROLLER
AMBER FLASHER	AMBER FLASHER	YELLOW	STATUS TRANSMITTED IN J1939 PROPRIETARY MESSAGE FROM BODY CONTROLLER
ANTILOCK BRAKING SYSTEM	[ABS ICON]	YELLOW	STATUS TRANSMITTED IN J1939 MESSAGE FROM ABS
ECONOMY MODE	ECON	YELLOW	STATUS TRANSMITTED IN J1939 MESSAGE FROM TCM
LEFT TURN	[ARROW ICON]	GREEN	STATUS TRANSMITTED IN J1939 PROPRIETARY MESSAGE FROM BODY CONTROLLER
HIGH BEAM	[ICON]	BLUE	STATUS TRANSMITTED IN J1939 PROPRIETARY MESSAGE FROM BODY CONTROLLER
RIGHT TURN	[ARROW ICON]	GREEN	STATUS TRANSMITTED IN J1939 PROPRIETARY MESSAGE FROM BODY CONTROLLER

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
CNA1	14JAN09	TITLE WAS CIRCUIT	B	61254R	U00K640	CIRCUIT DIAGRAM, PROSTAR, LONESTAR
		DIAGRAM, PROSTAR			RELEASE NO. 60773Y	DATE 30APR06

PART NO. AE08055900 SHEET 014

Figure 144 Warning Lights

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8.15. IP TEXT MESSAGES AND WARNING LIGHTS — CONTROLLED BY ENGINE, TRANSMISSION AND ABS CONTROLLER, P. 15

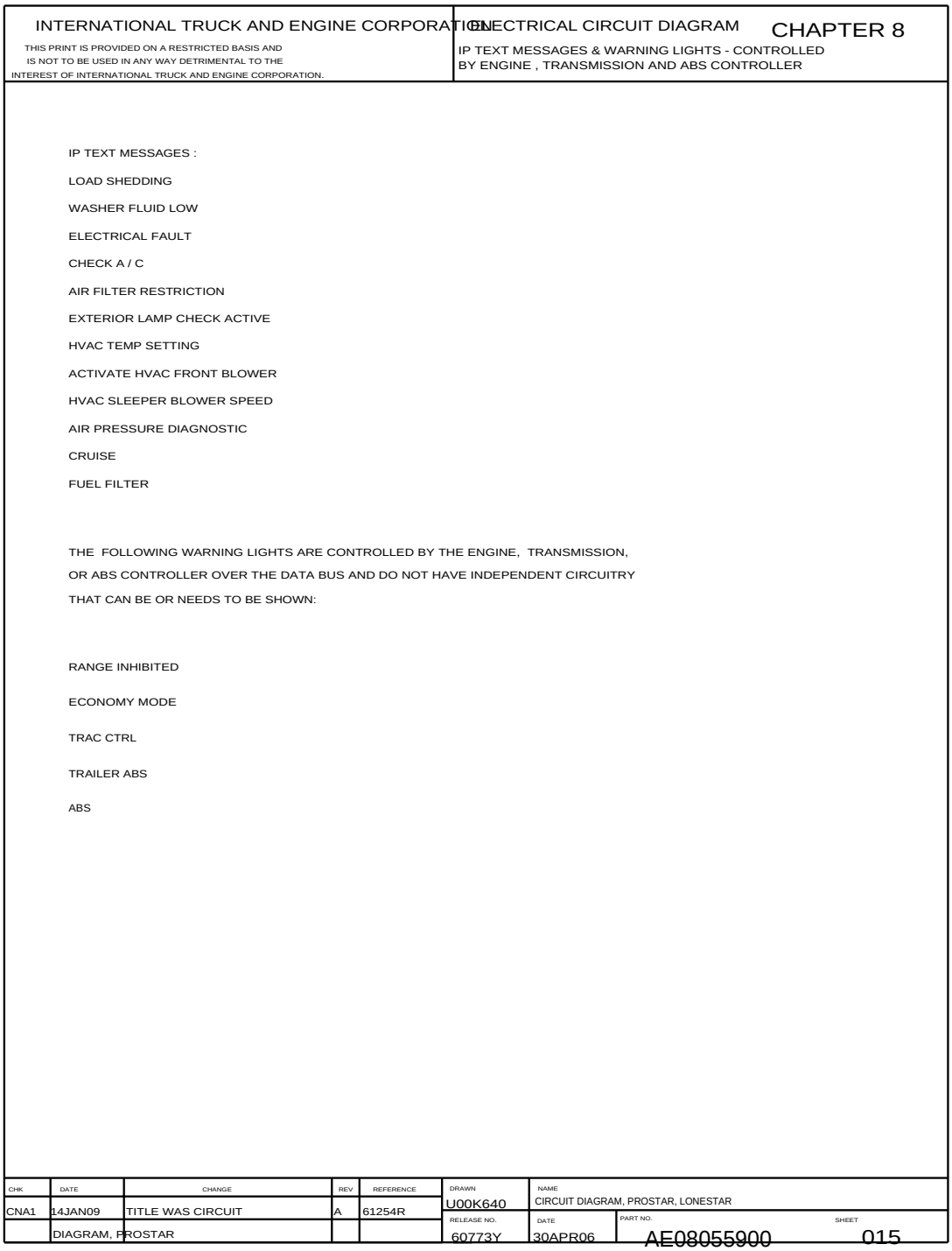

Figure 145 IP Text Messages and Warning Lights — Controlled by Engine, Transmission and ABS Controller

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8.16. DIFFERENTIAL LOCK AND OPTIONAL INDICATOR, P. 16

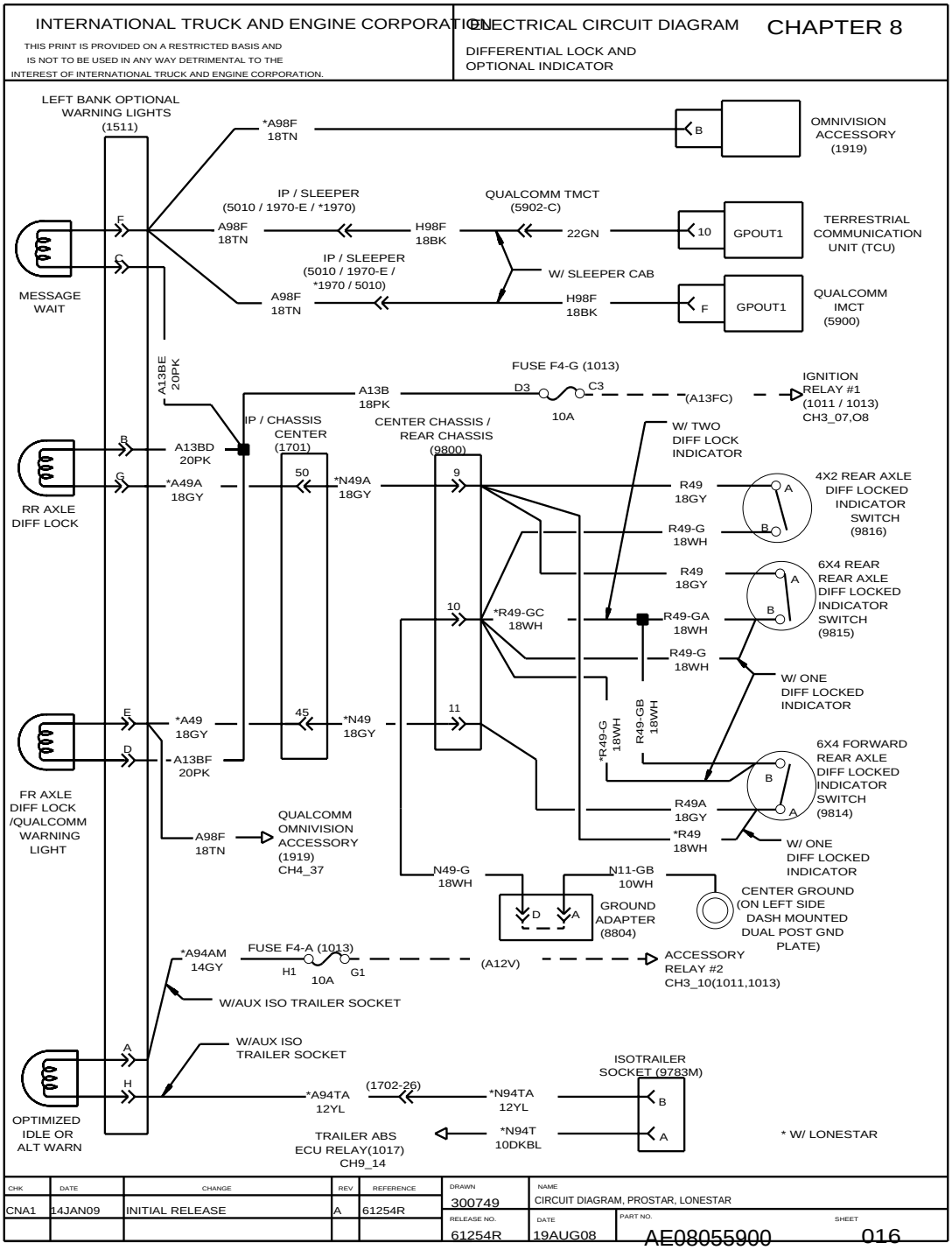

Figure 146 Differential Lock and Optional Indicator

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9. LIGHTING SYSTEM (CHAPTER 9)

9.1. LIGHTS — STOP, TAIL, TURN AND BACK-UP N/FREEDOMLINE, P. 1

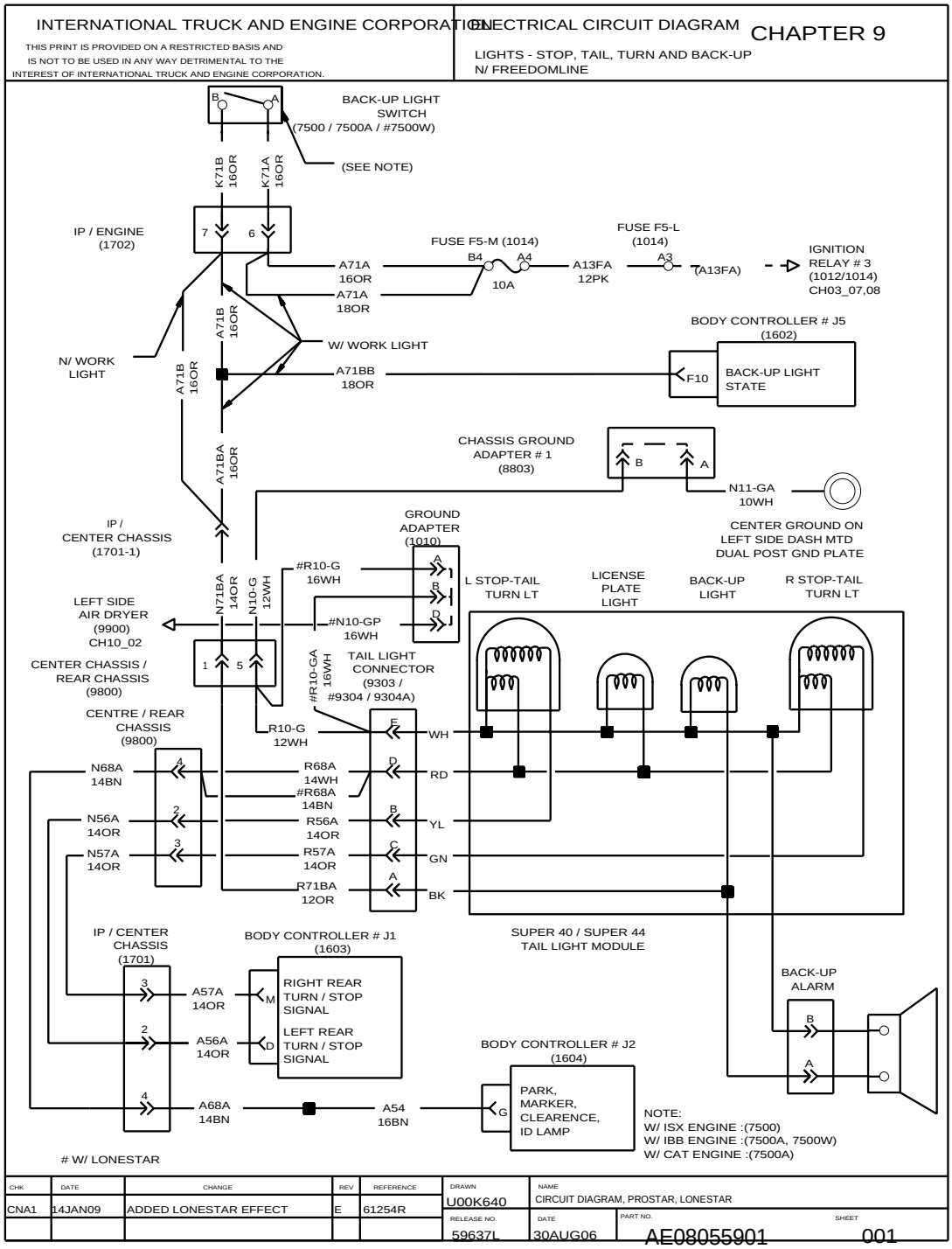

Figure 147 Lights — Stop, Tail, Turn and Back-Up N/Freedomline

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9.2. LIGHTS — STOP, TAIL, TURN AND BACK-UP N/FREEDOMLINE, P. 1A

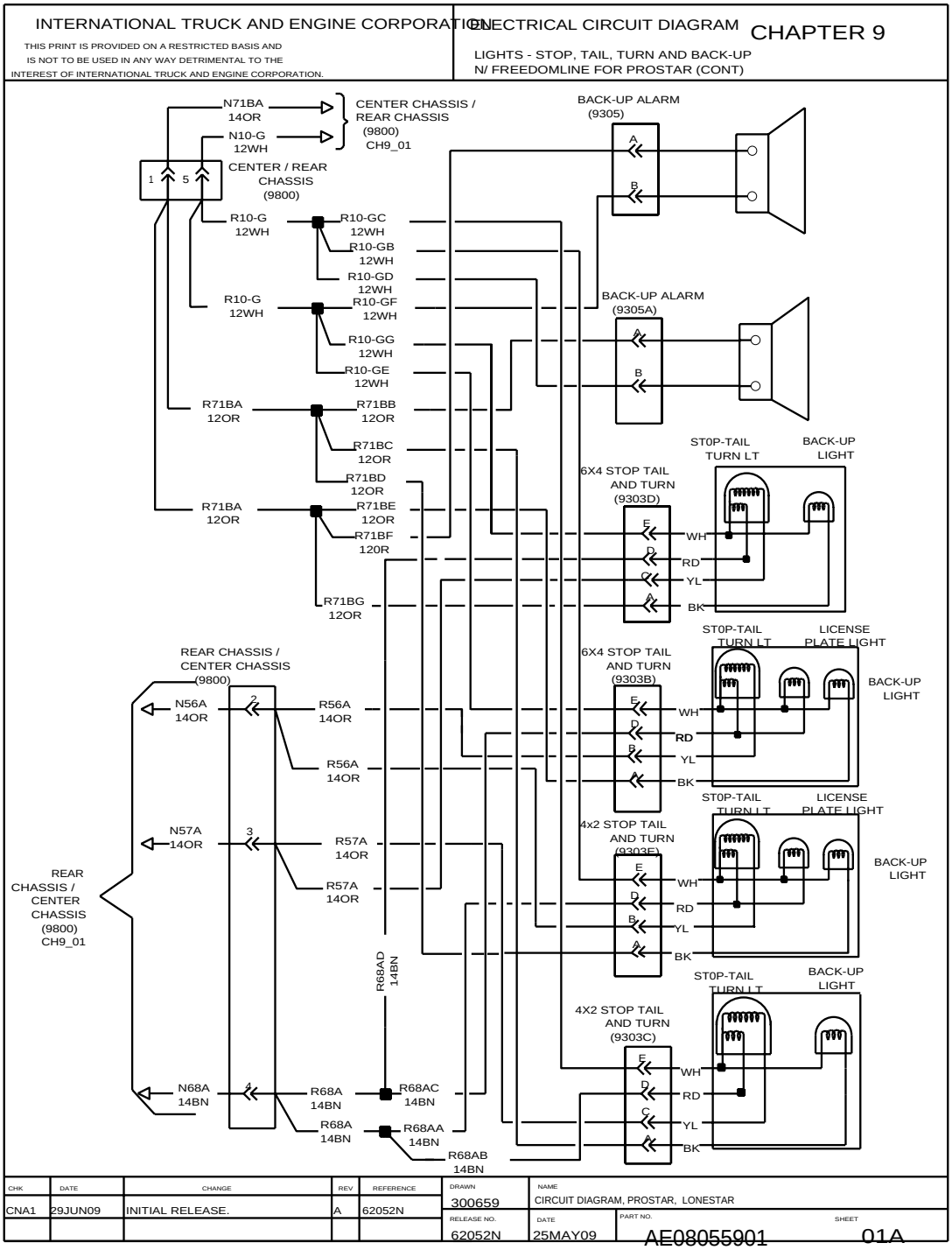

Figure 148 Lights — Stop, Tail, Turn and Back-Up N/Freedomline

https://truckmanualshub.com/

9.3. LIGHTS — STOP, TAIL, TURN AND BACK-UP W/FREEDOMLINE, P. 2

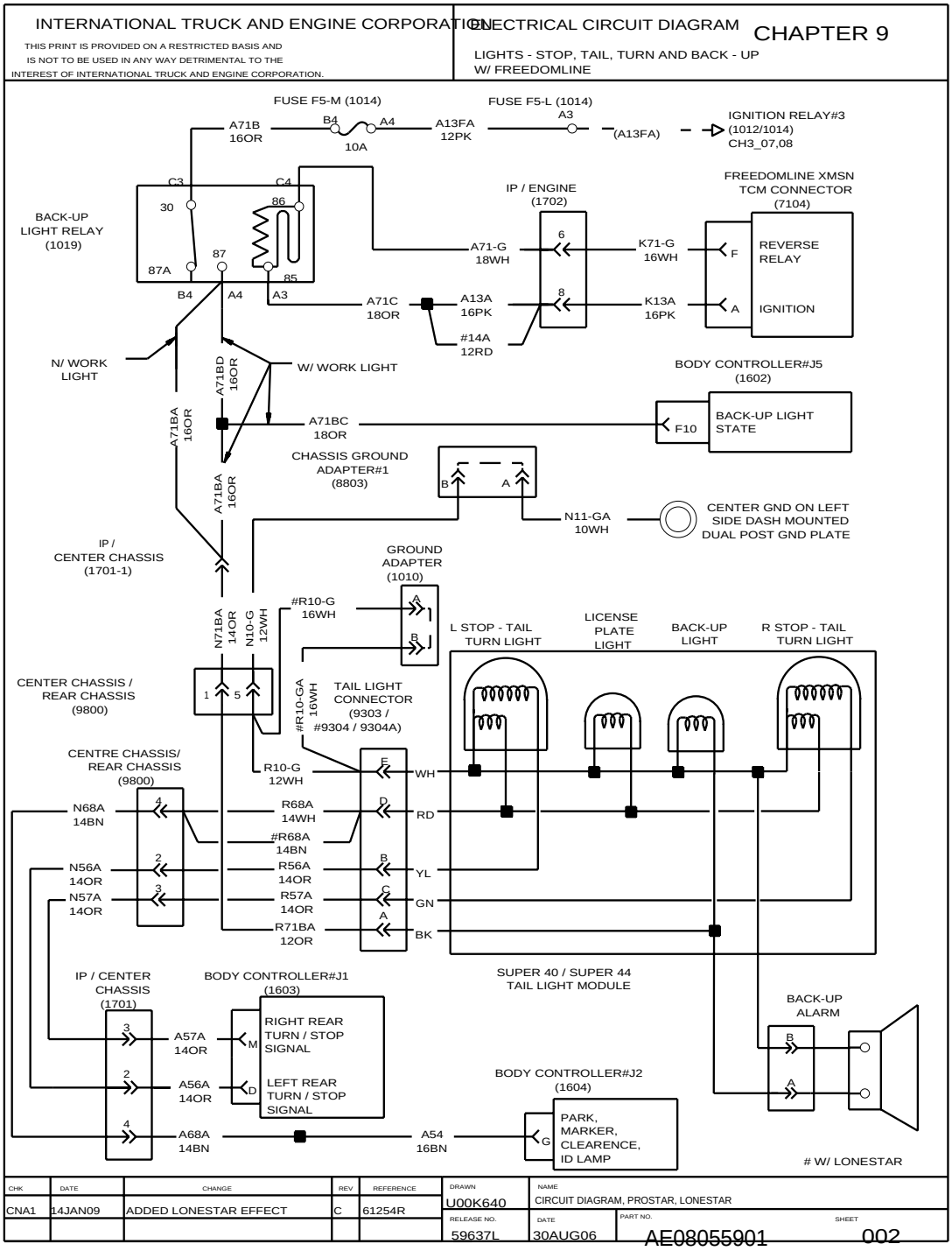

Figure 149 Lights — Stop, Tail, Turn and Back-Up W/Freedomline

https://truckmanualshub.com/

9.4. LIGHTS — STOP, TAIL, TURN AND BACK-UP W/FREEDOMLINE, P. 2A

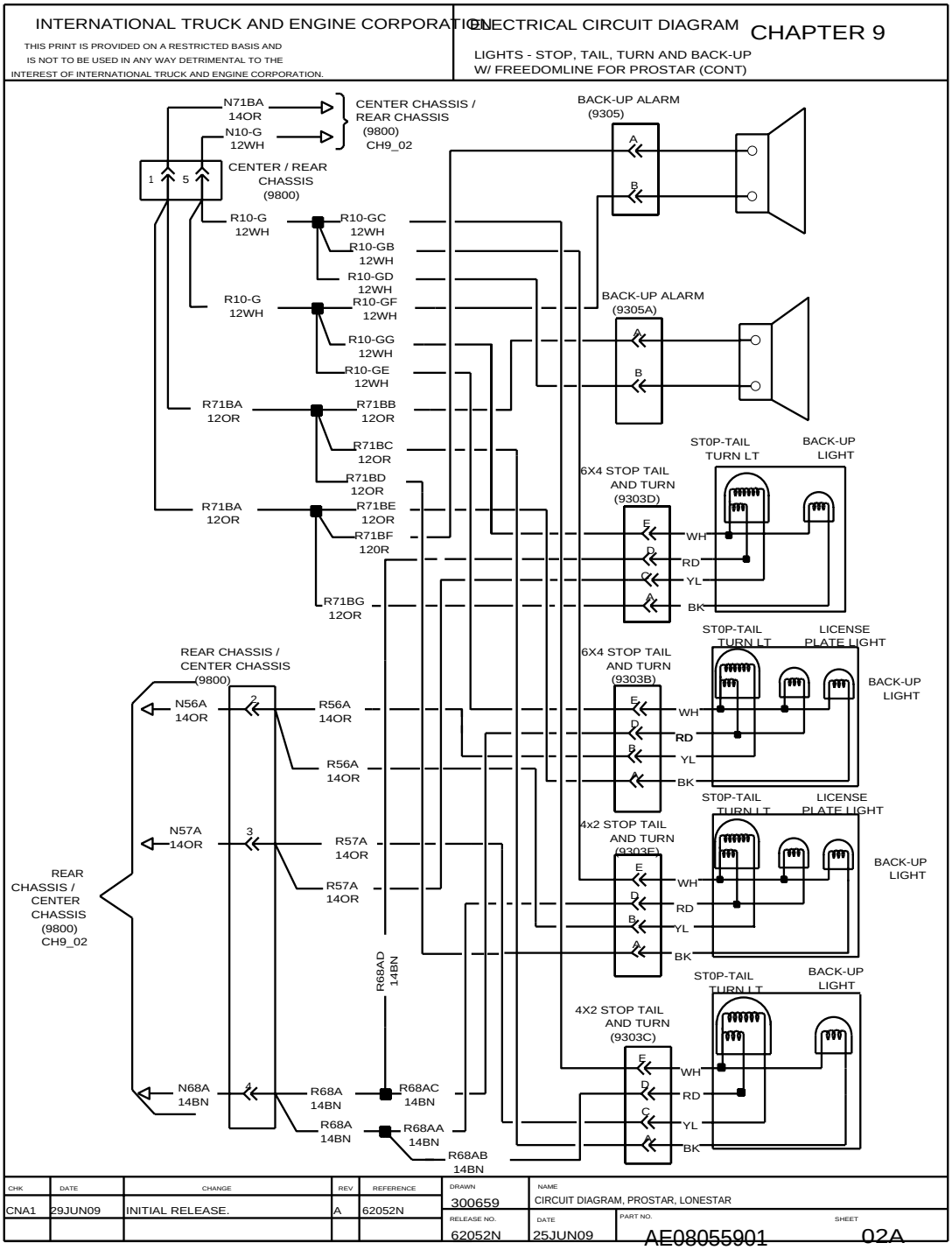

Figure 150 Lights — Stop, Tail, Turn and Back-Up W/Freedomline

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9.5. DOME/MAP AND COURTESY LIGHTS — DAY CAB, P. 3

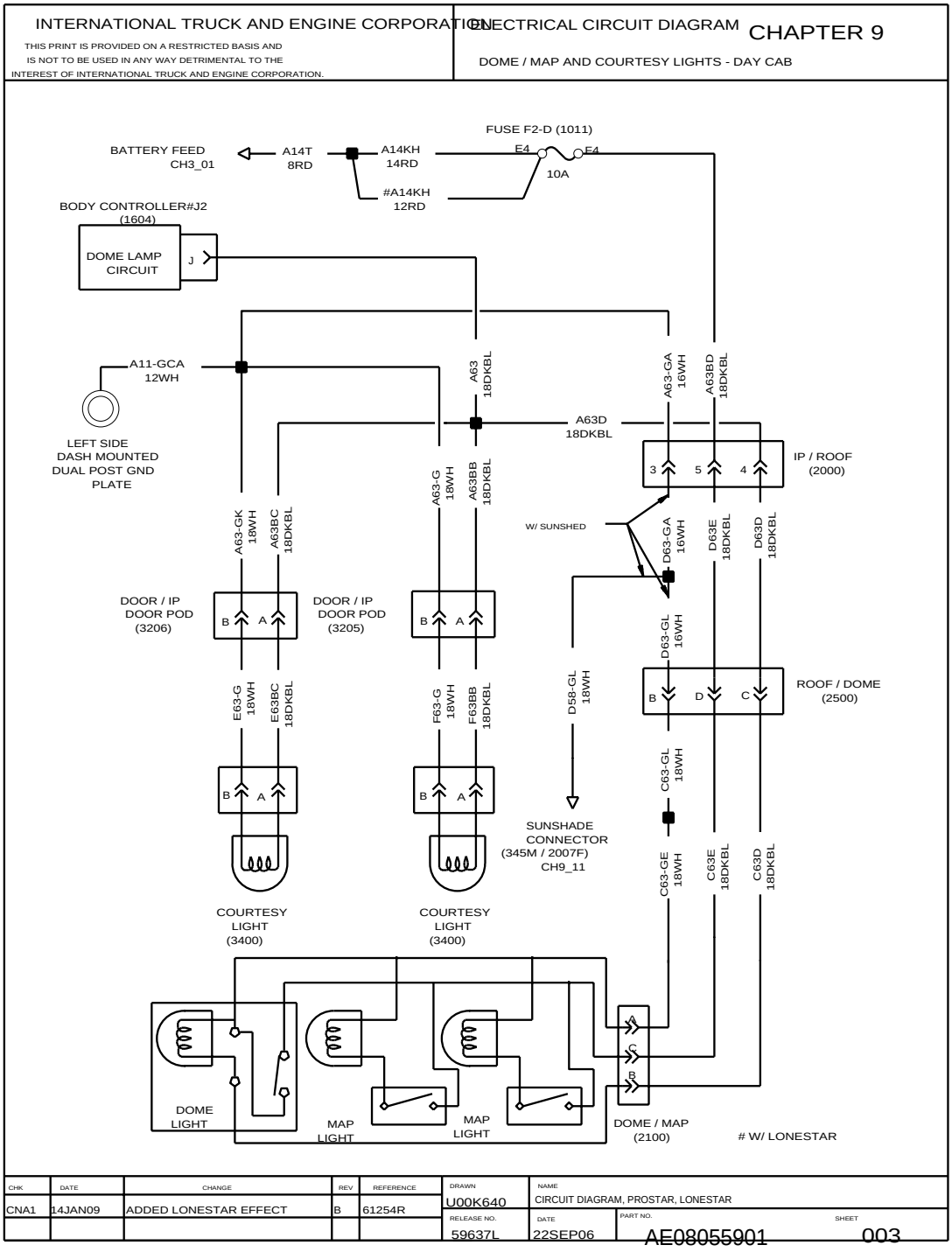

Figure 151 Dome/Map and Courtesy Lights — Day Cab

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9.6. DOME/MAP AND COURTESY LIGHTS — SLEEPER, P. 4

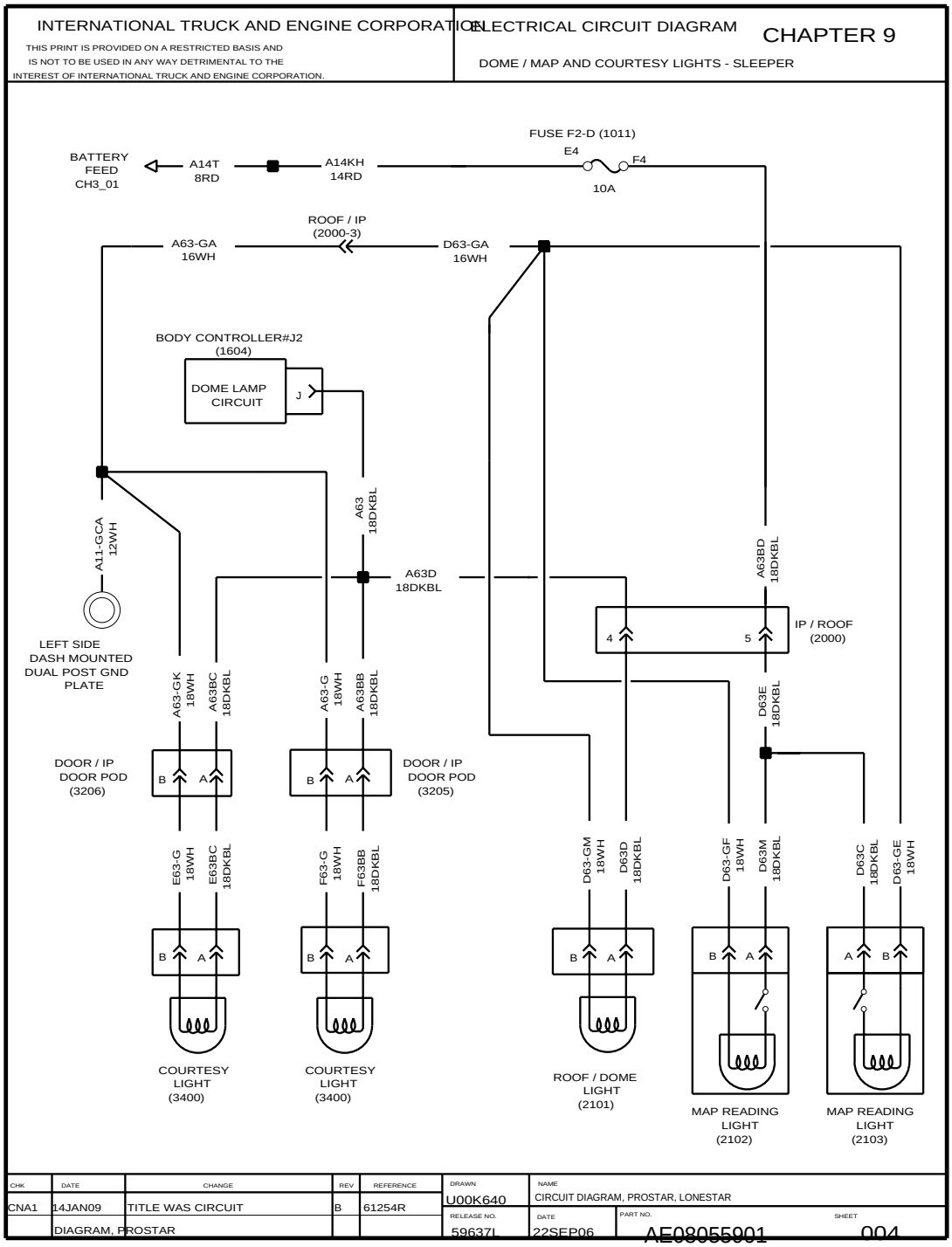

Figure 152 Dome/Map and Courtesy Lights — Sleeper

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9.7. FOG LIGHTS AND SPOT LIGHT, P. 5

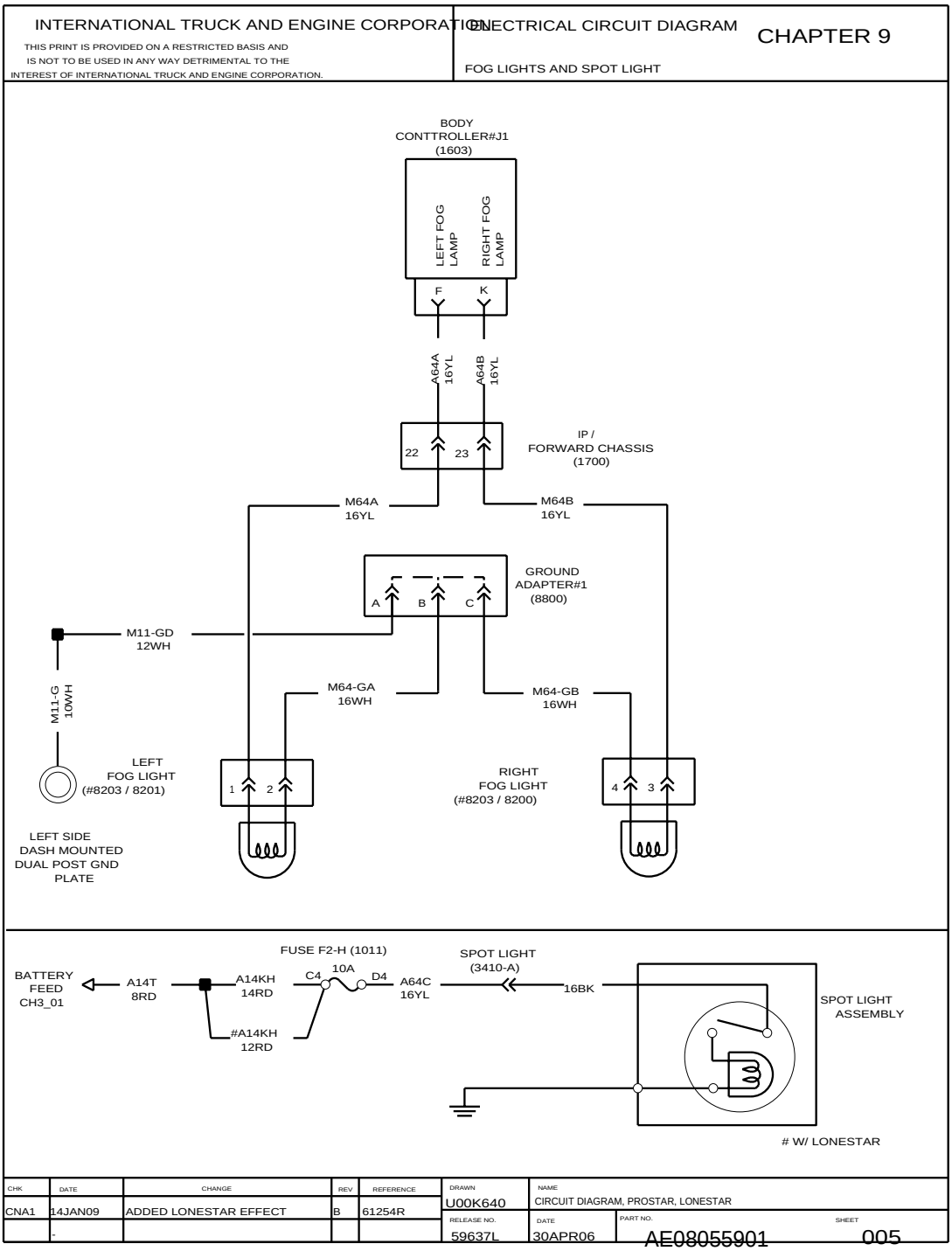

Figure 153 Fog Lights and Spot Light

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9.8. HEADLIGHTS, P. 6

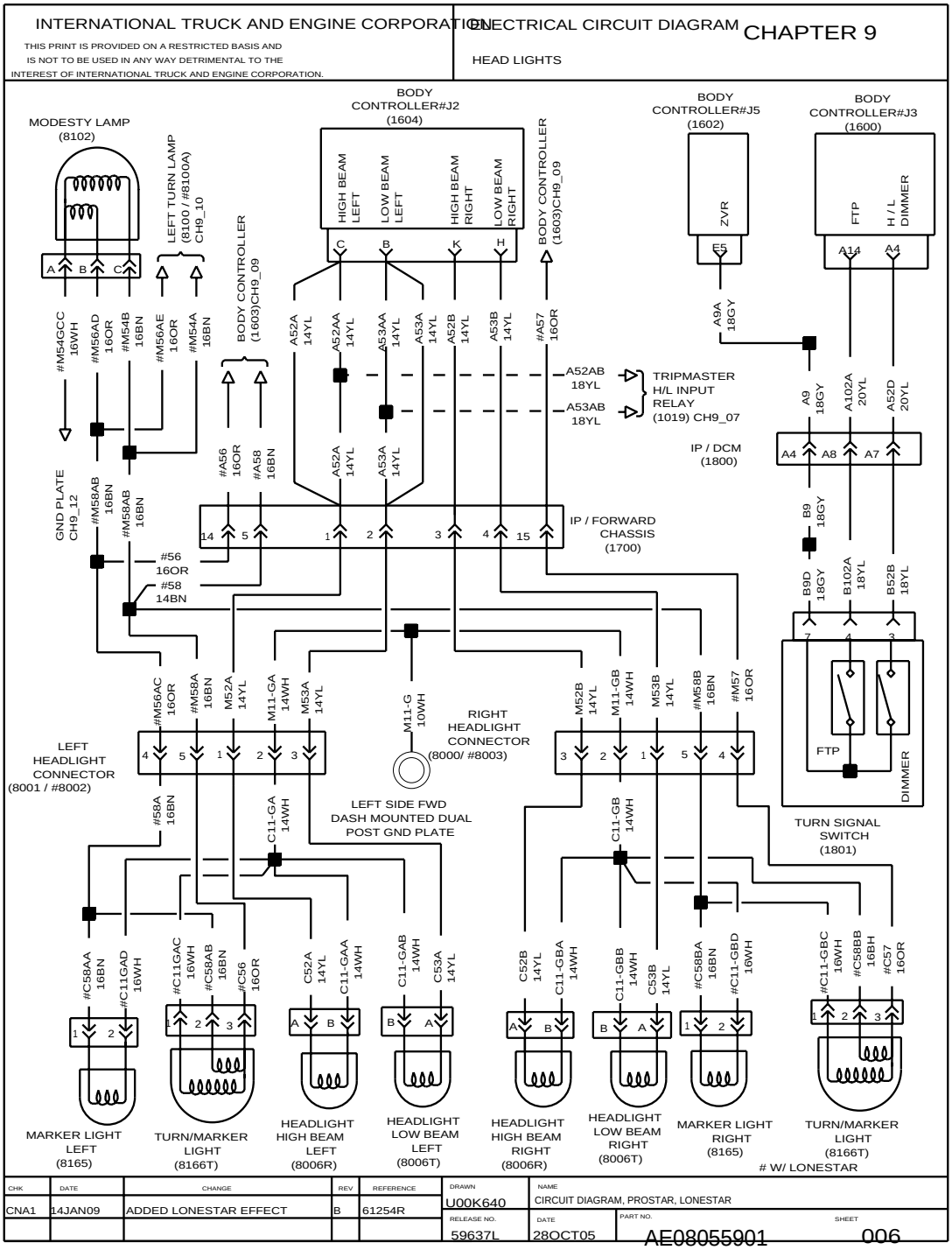

Figure 154 Headlights

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9.9. TRIPMASTER, P. 7

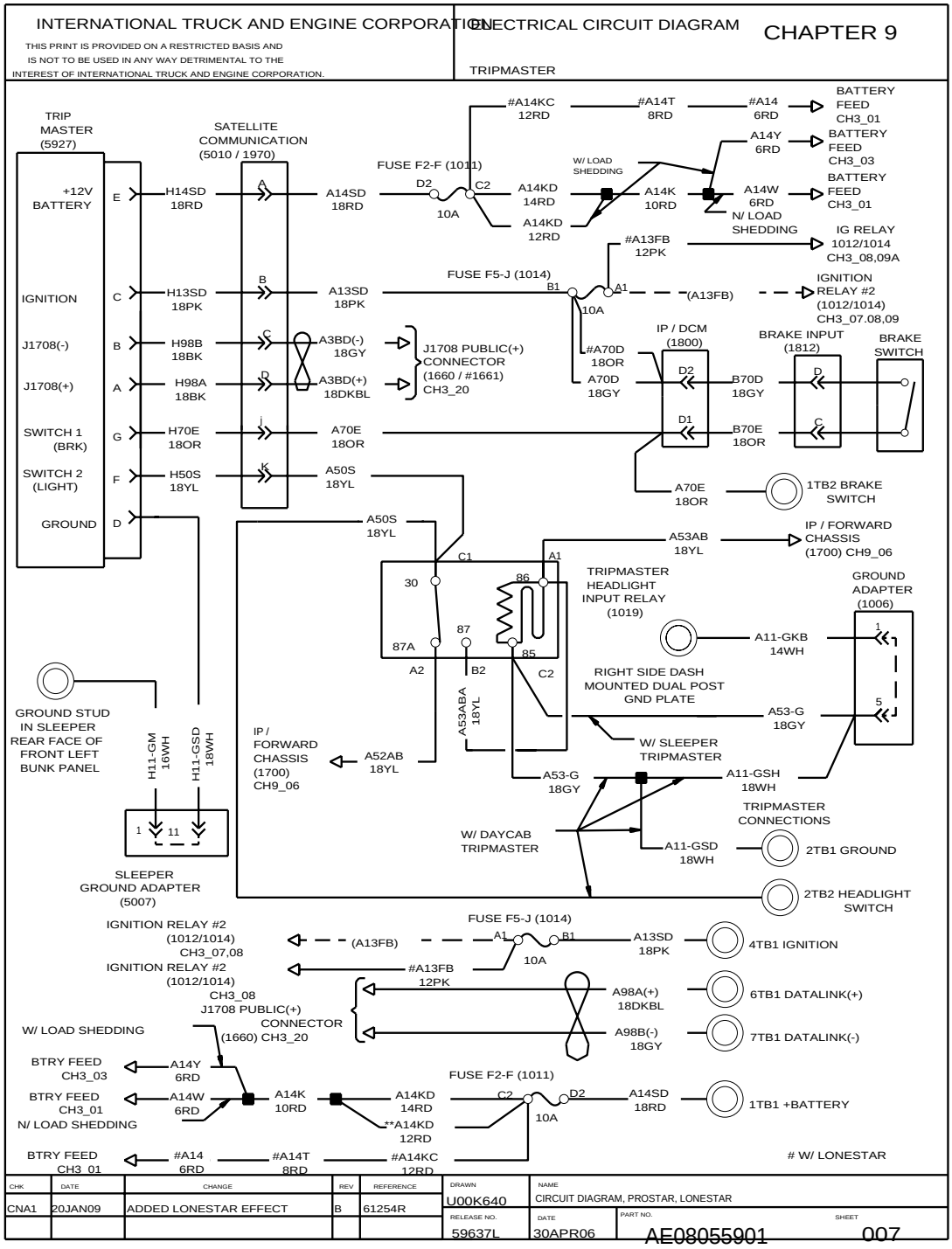

Figure 155 Tripmaster

https://truckmanualshub.com/

9.10. TURN AND STOP SWITCH, P. 8

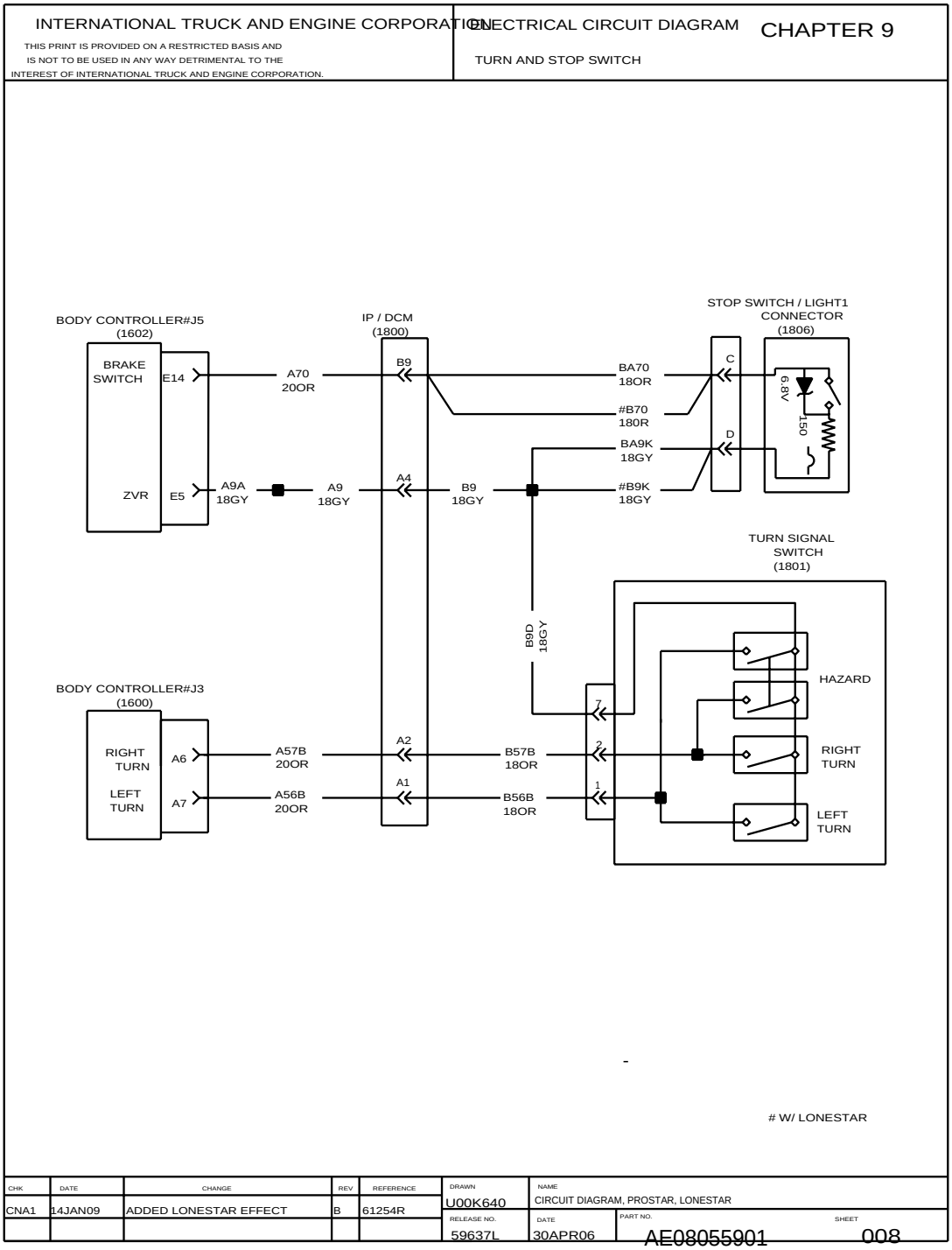

Figure 156 Turn and Stop Switch

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9.11. LIGHT SYSTEM — PARK, MARKER, CLEARANCE, ID, TURN, STOP, TAIL, P. 9

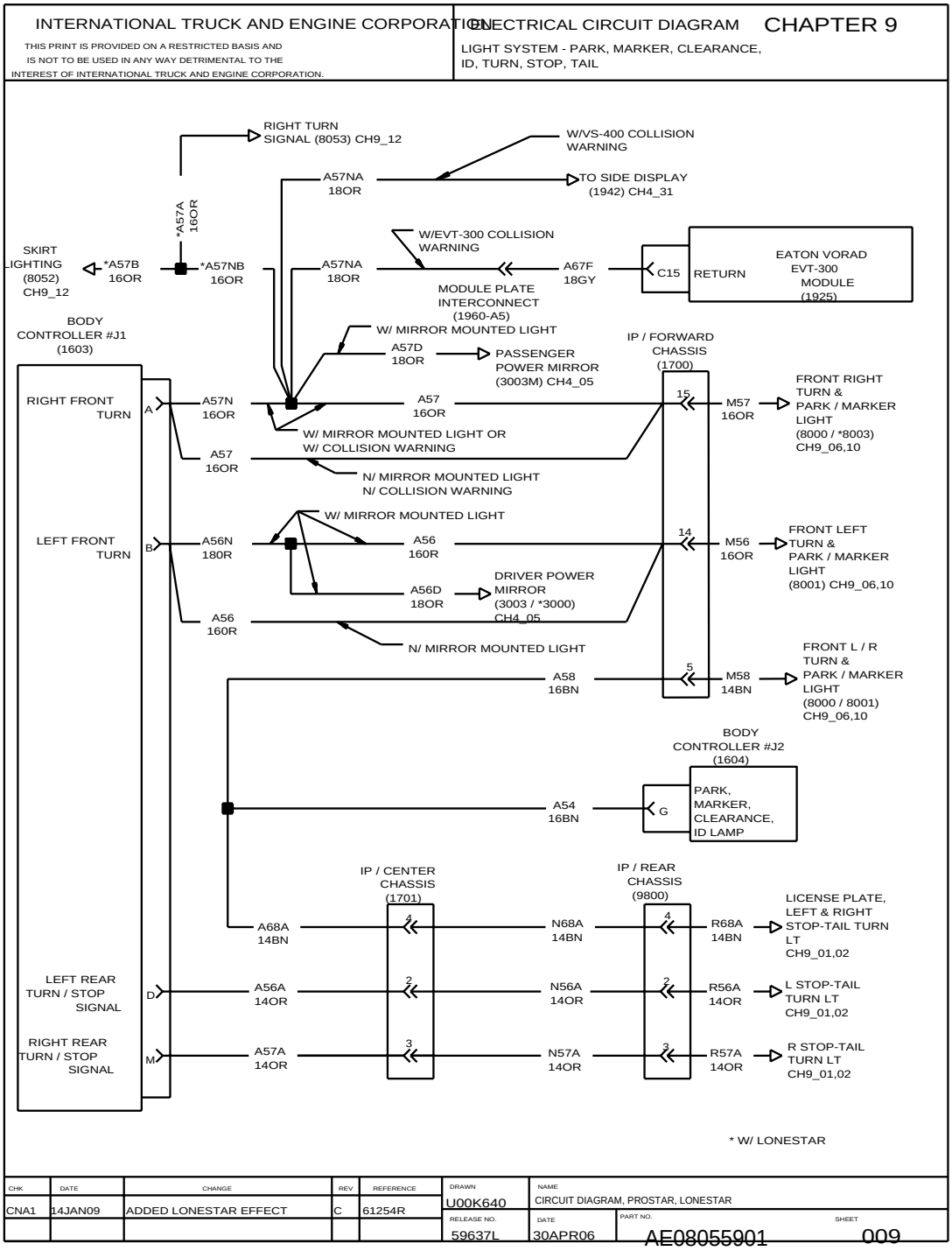

Figure 157 Light System — Park, Marker, Clearance, ID, Turn, Stop, Tail

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9.12. LIGHT SYSTEM — PARK, MARKER, FRONT TURN AND MODESTY PANEL LIGHT, P. 10

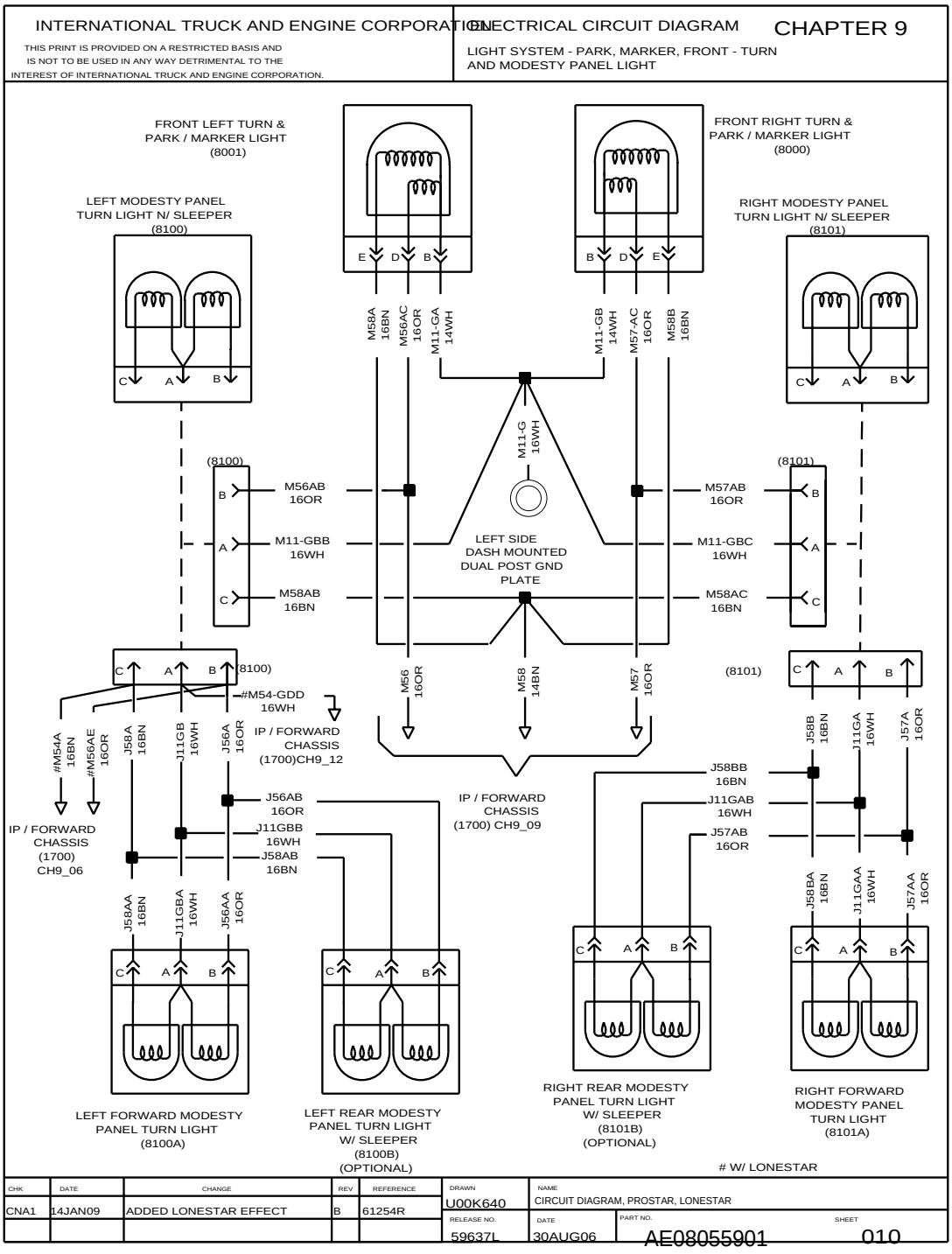

Figure 158 Light System — Park, Marker, Front Turn and Modesty Panel Light

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9.13. LIGHT SYSTEM — CLEARANCE, ID, P. 11

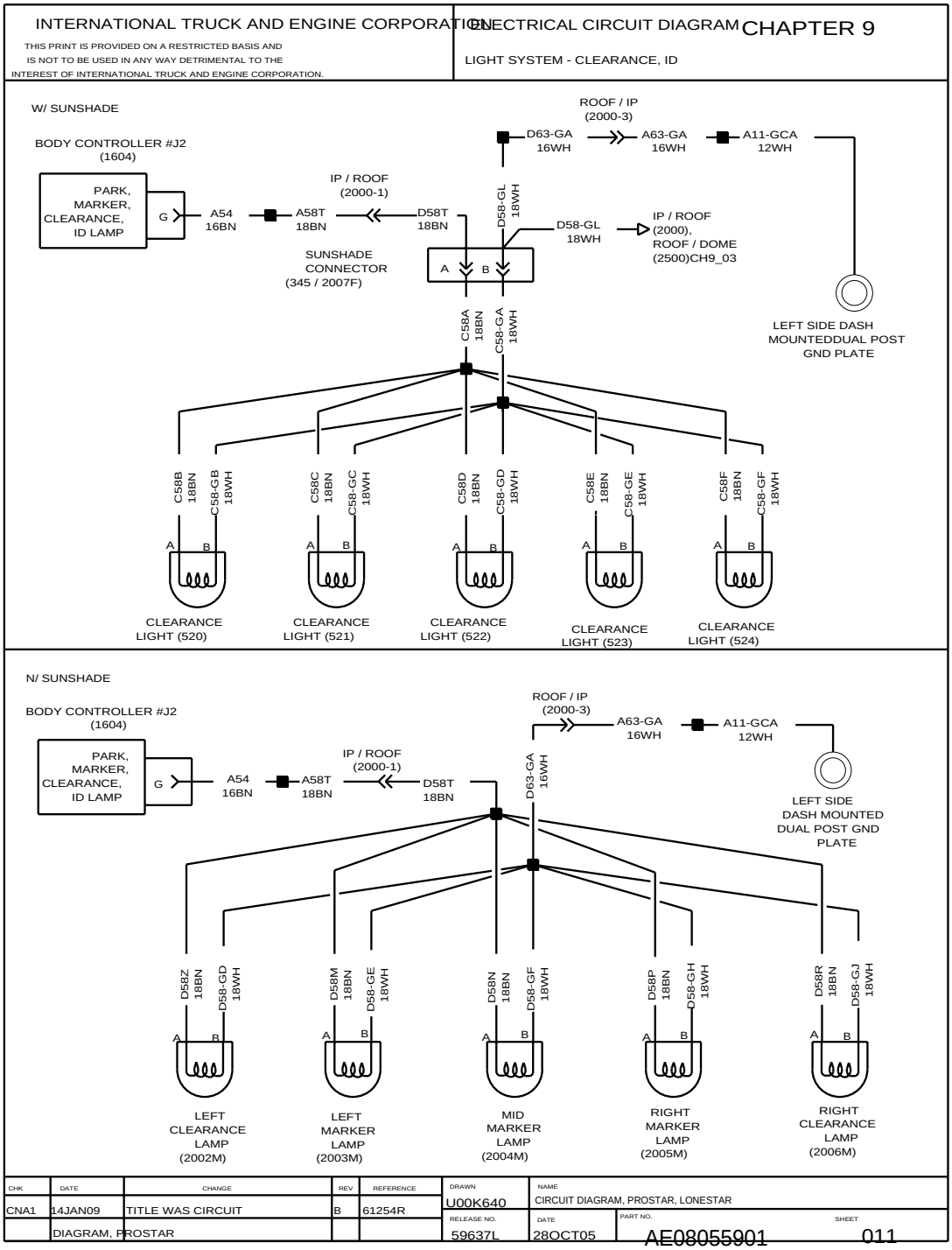

Figure 159 Light System — Clearance, ID

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9.14. LIGHT SYSTEM — SKIRT LIGHT, P. 12

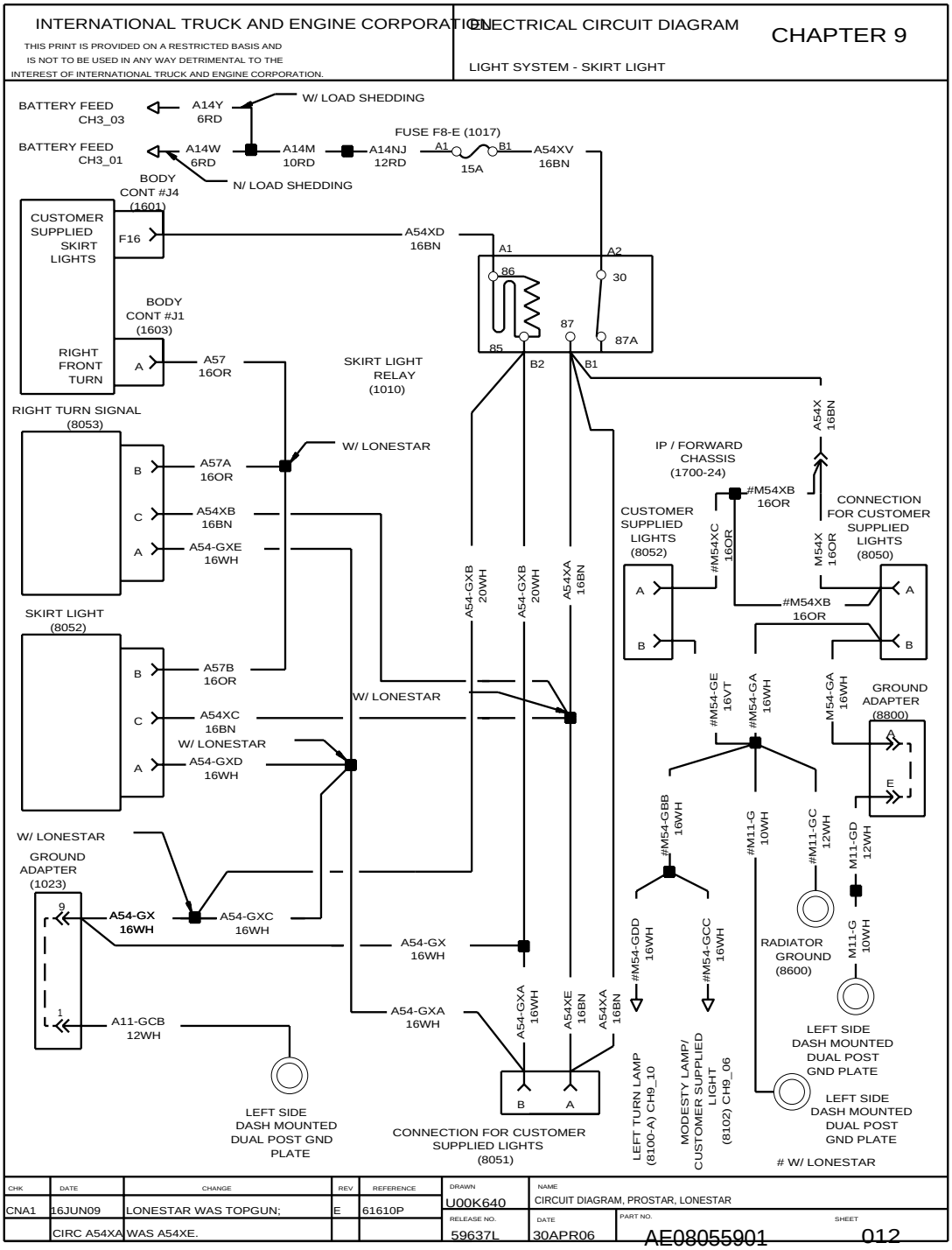

Figure 160 Light System — Skirt Light

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9.15. TRAILER LIGHT SYSTEM — MARKER, STOP, TAIL, TURN, P. 13

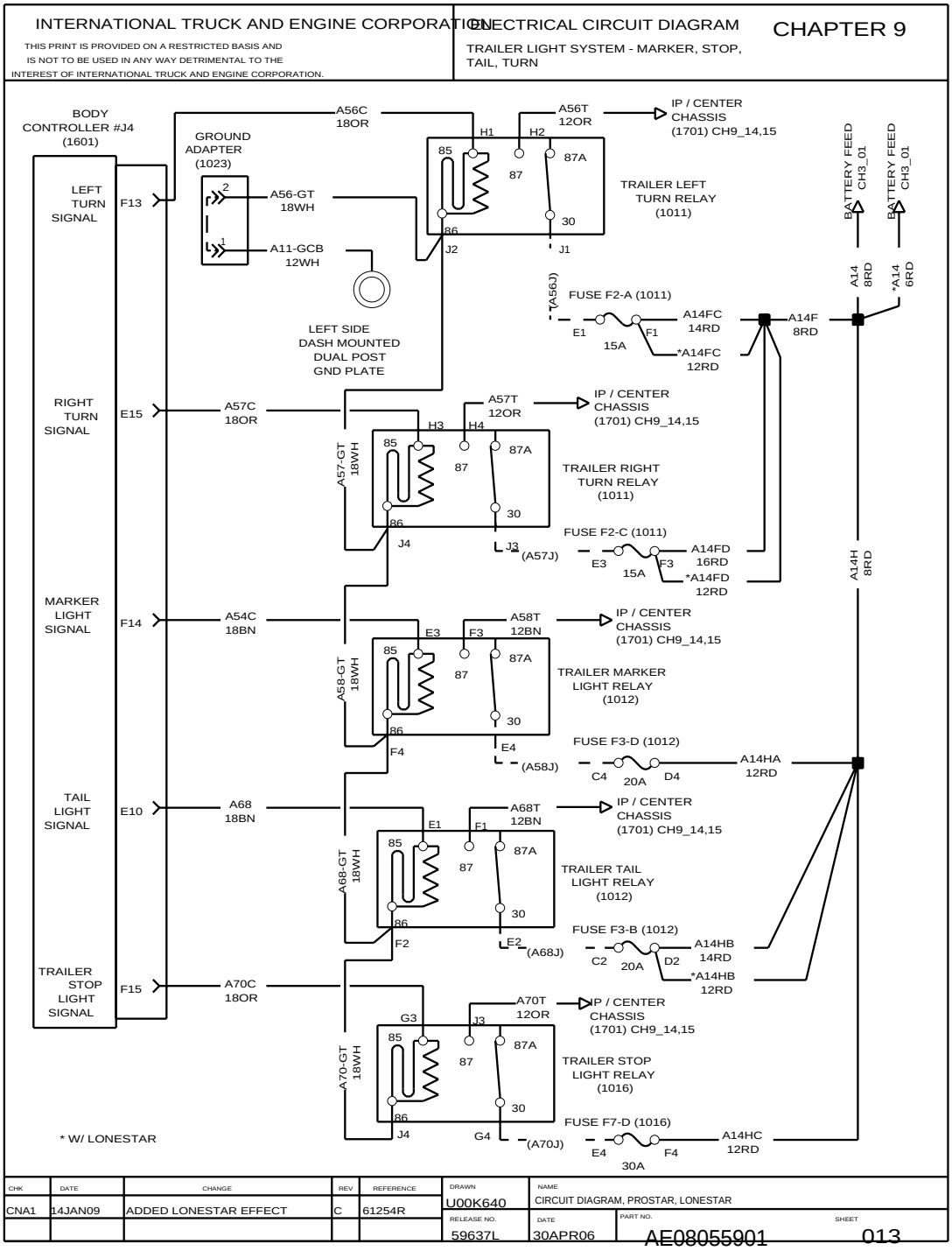

Figure 161 Trailer Light System — Marker, Stop, Tail, Turn

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9.16. TRAILER SOCKET — BOC, P. 14

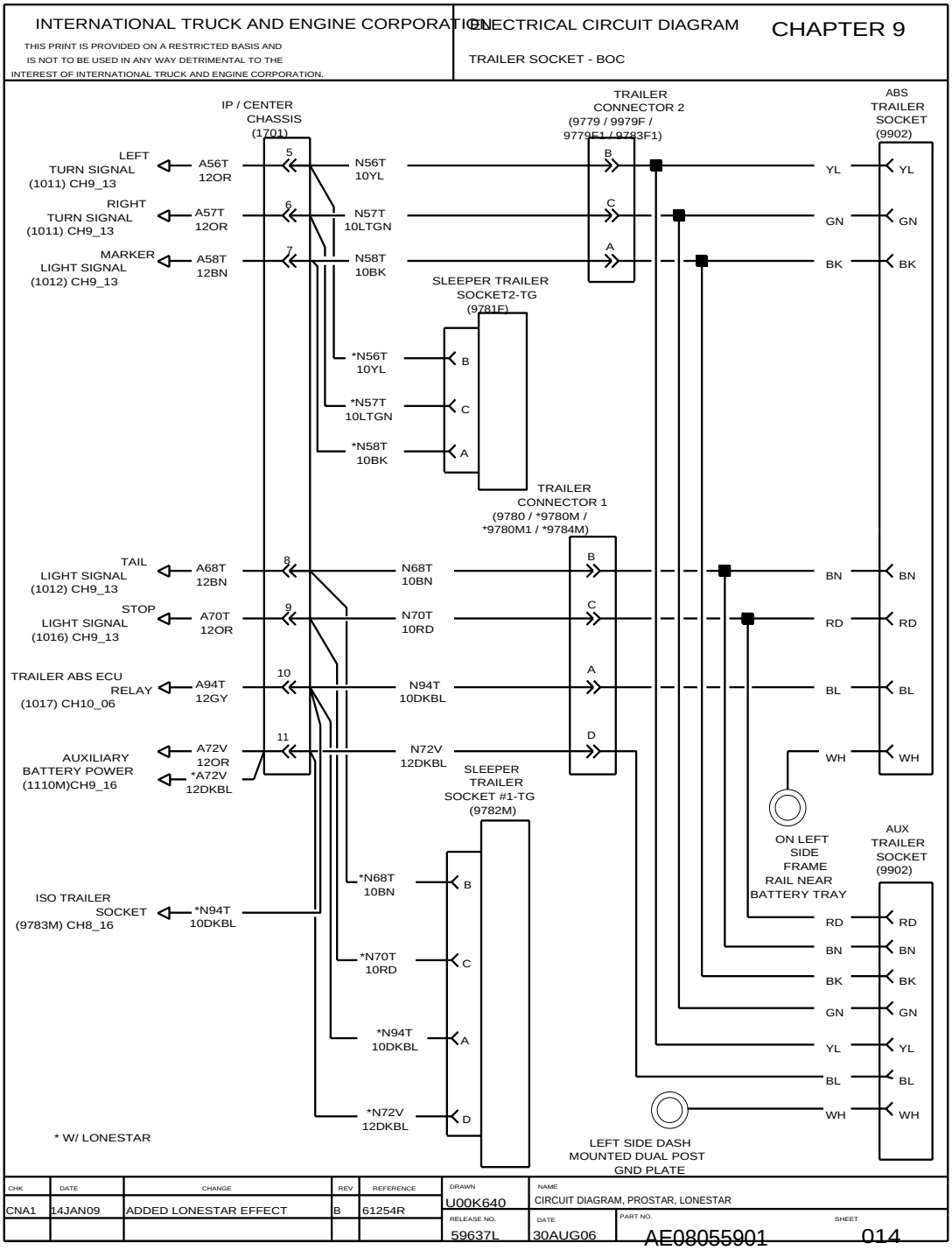

Figure 162 Trailer Socket — BOC

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9.17. TRAILER SOCKET — BOC AND EOF, P. 15

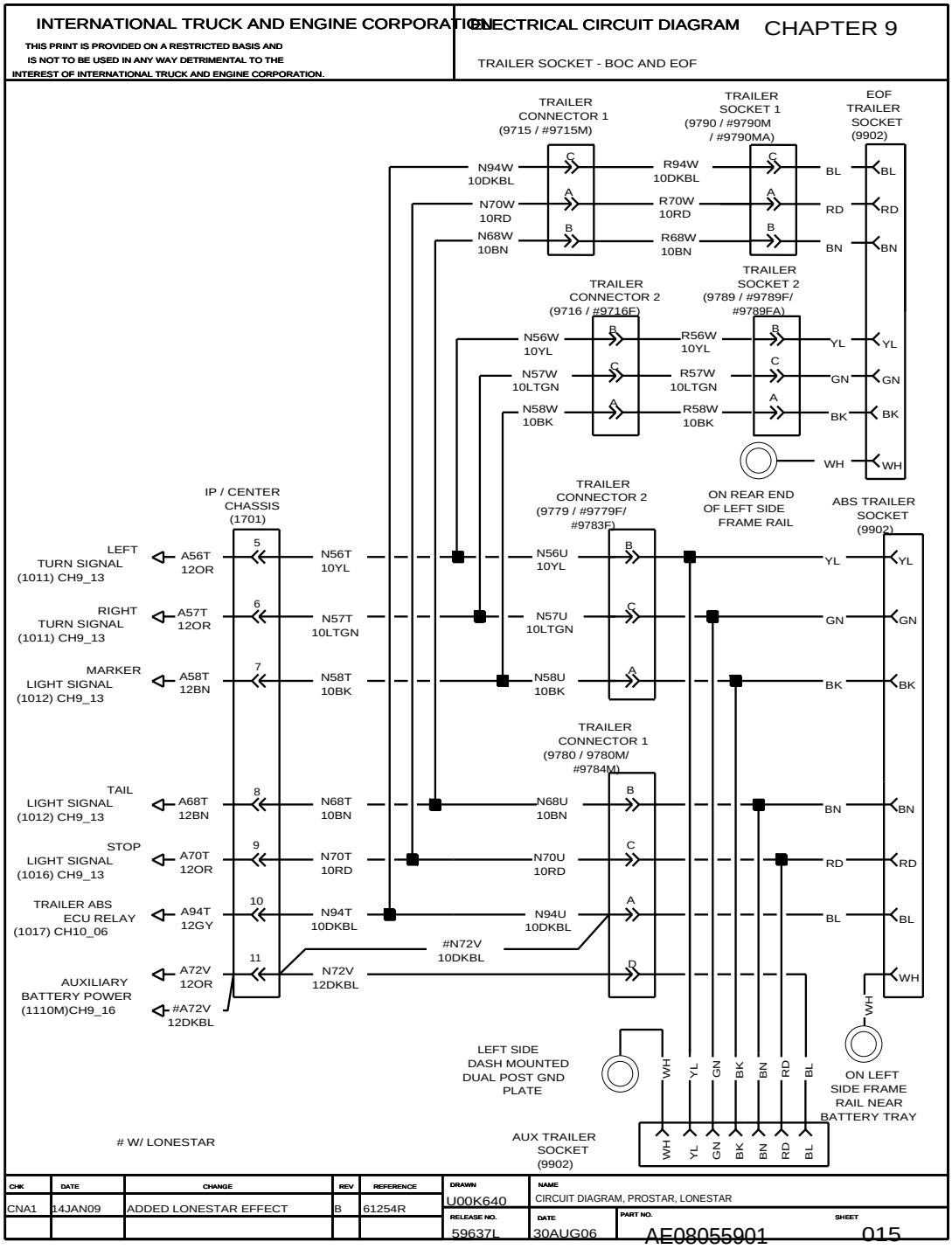

Figure 163 Trailer Socket — BOC and EOF

https://truckmanualshub.com/

9.18. TRAILER SOCKET — AUXILIARY, P. 16

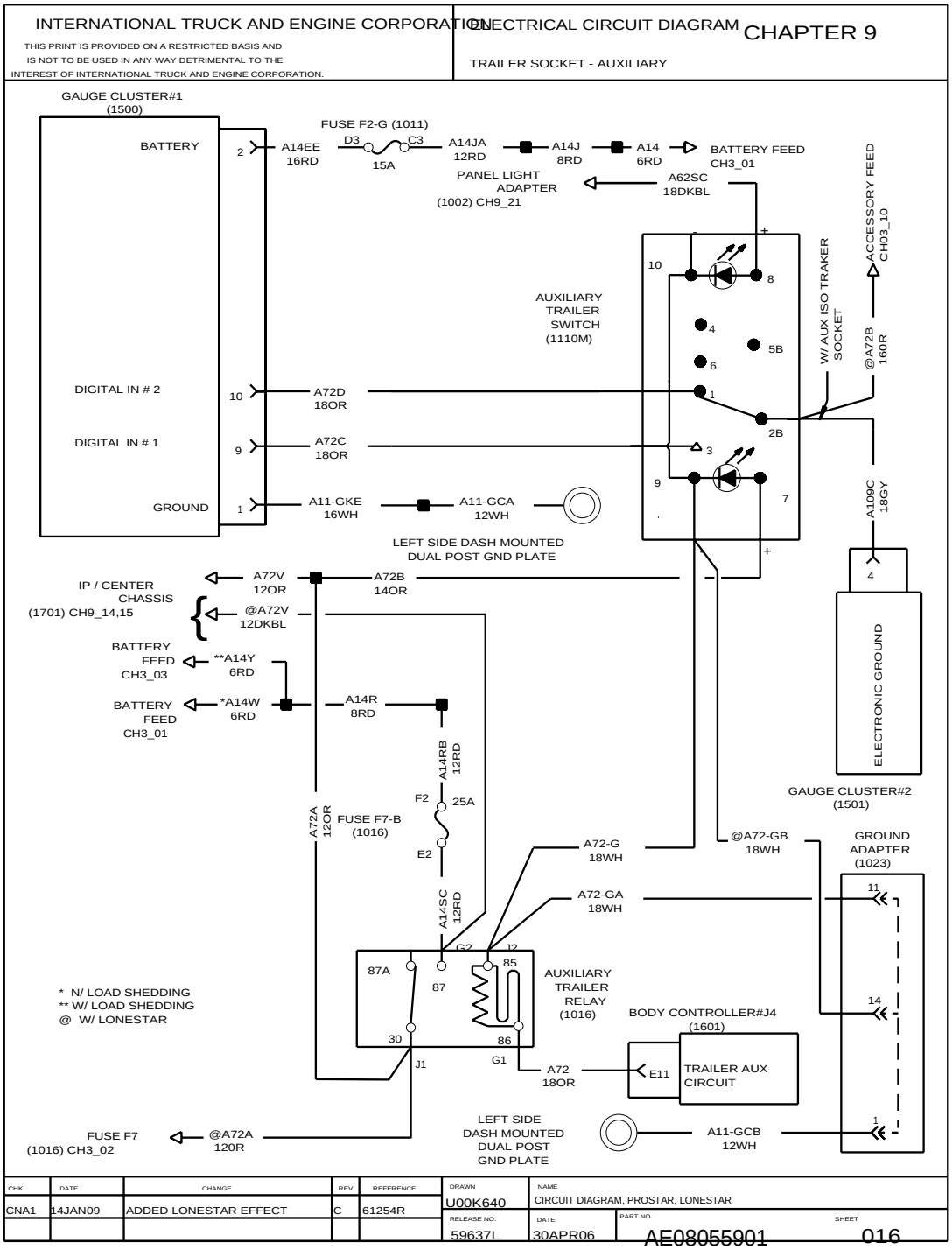

Figure 164 Trailer Socket — Auxiliary

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9.19. FLOOR LIGHT, P. 17

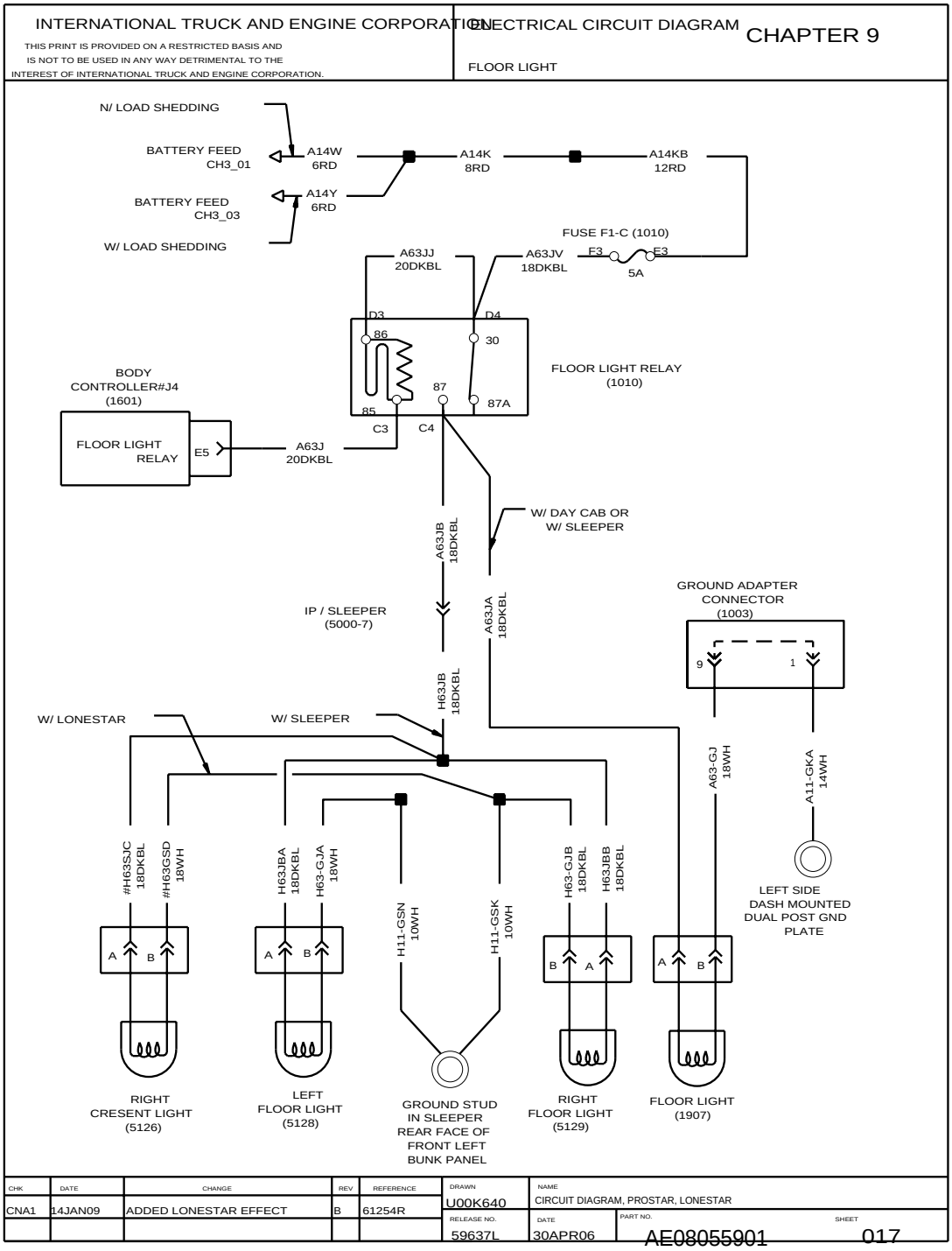

Figure 165 Floor Light

https://truckmanualshub.com/

9.20. DOME AND ACCENT LIGHT — SLEEPER, P. 18

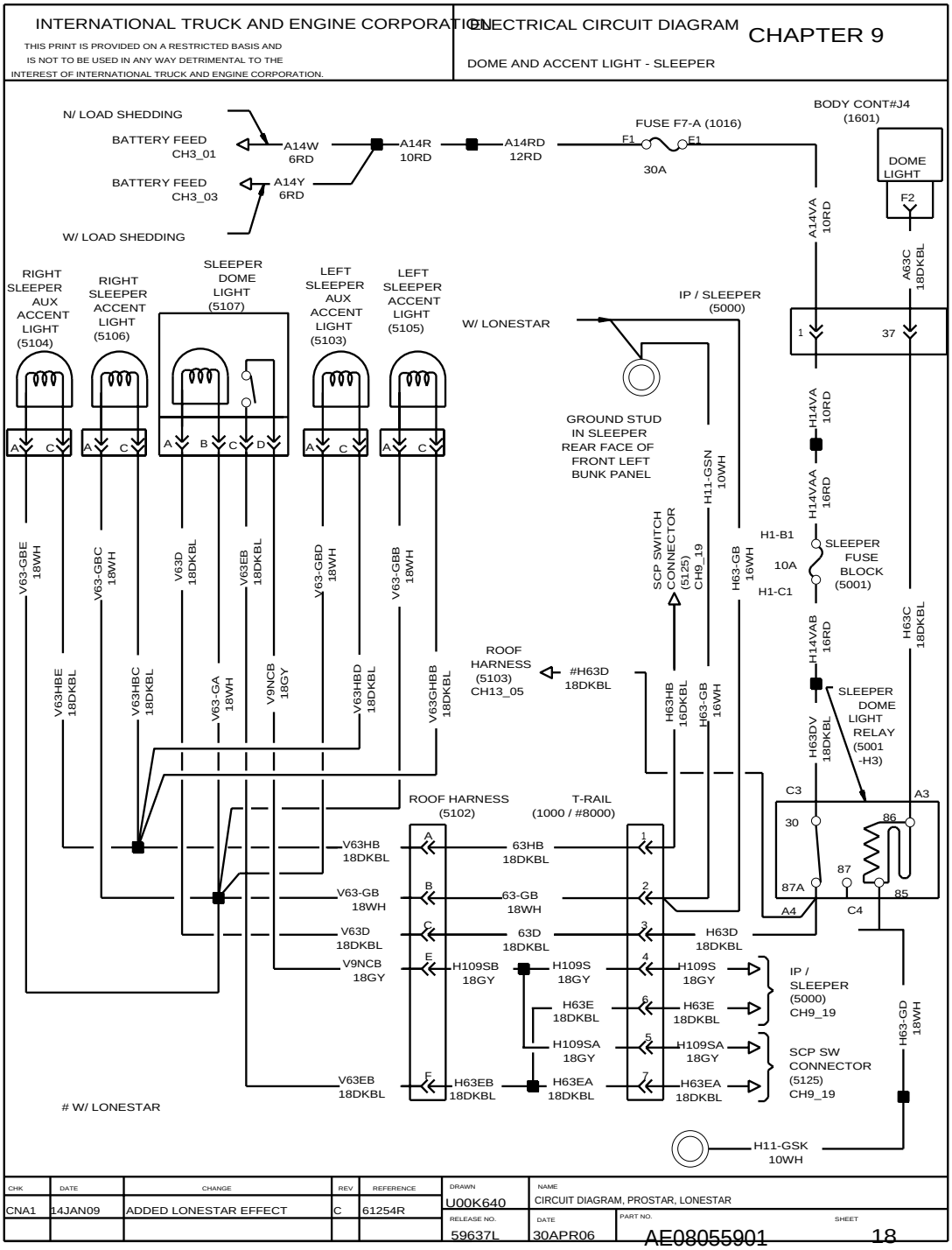

Figure 166 Dome and Accent Light — Sleeper

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9.21. DOME AND ACCENT LIGHT — SLEEPER, P. 19

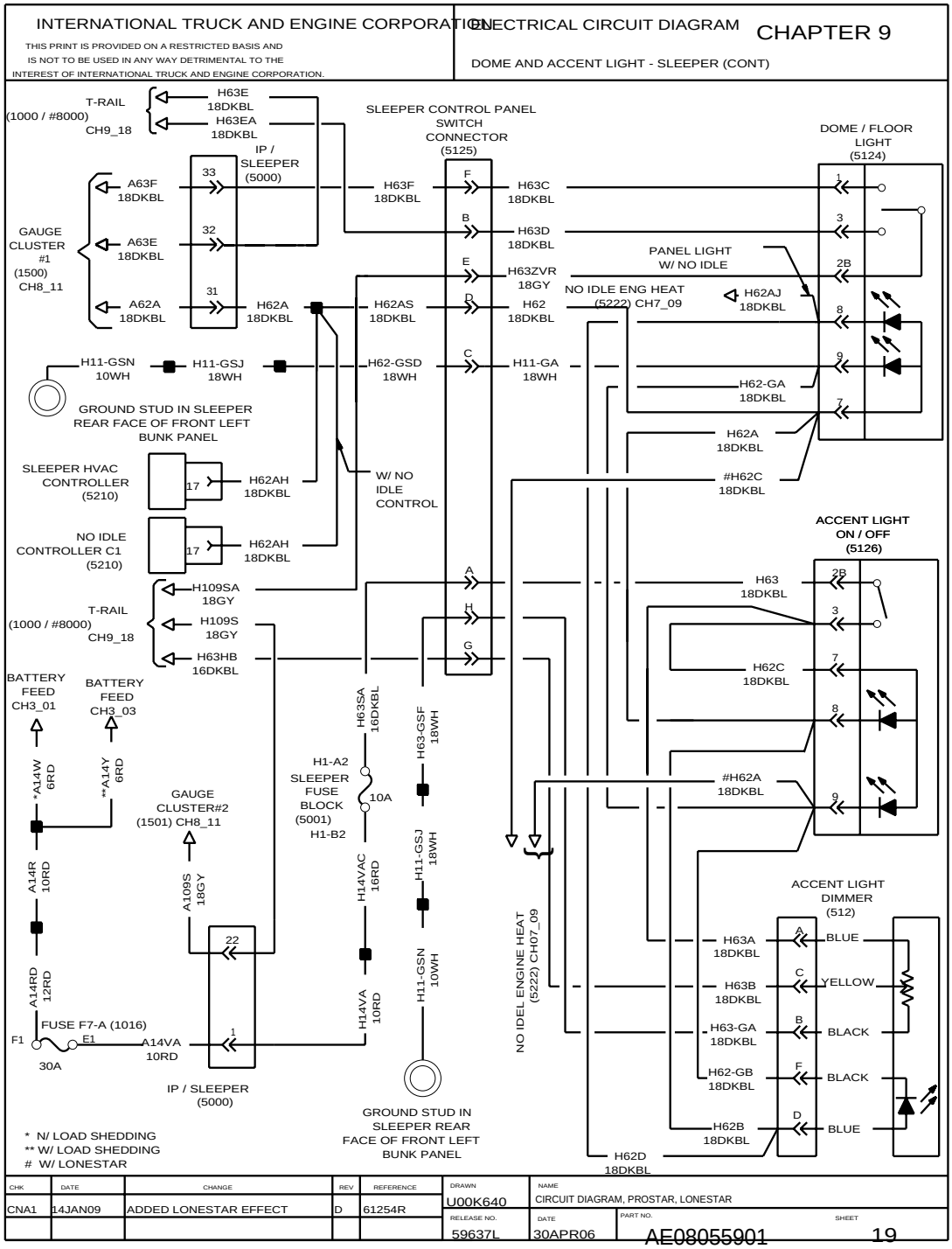

Figure 167 Dome and Accent Light — Sleeper

https://truckmanualshub.com/

9.22. LIGHTED AIR SHIELD, P. 20

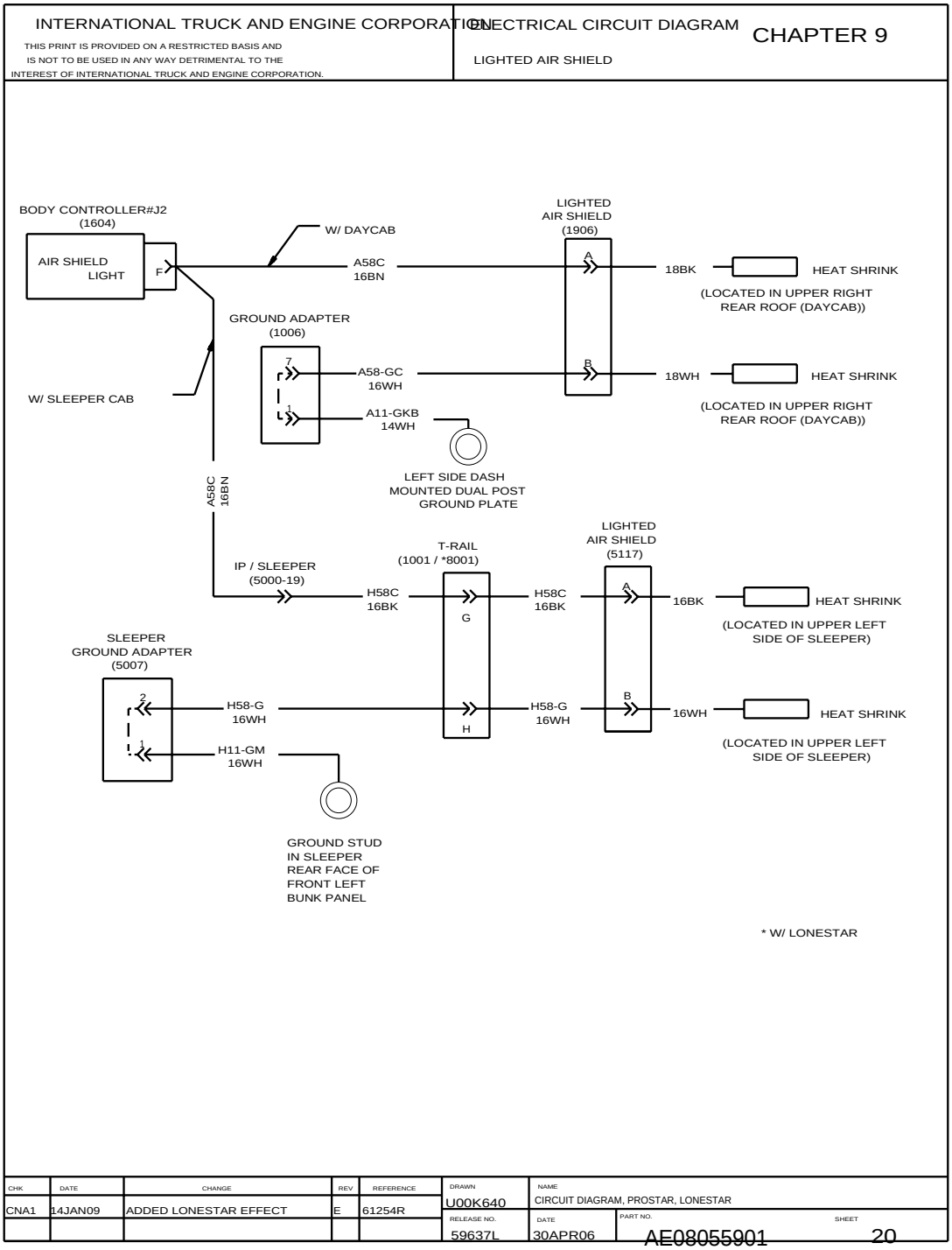

Figure 168 Lighted Air Shield

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9.23. PANEL LIGHTS, P. 21

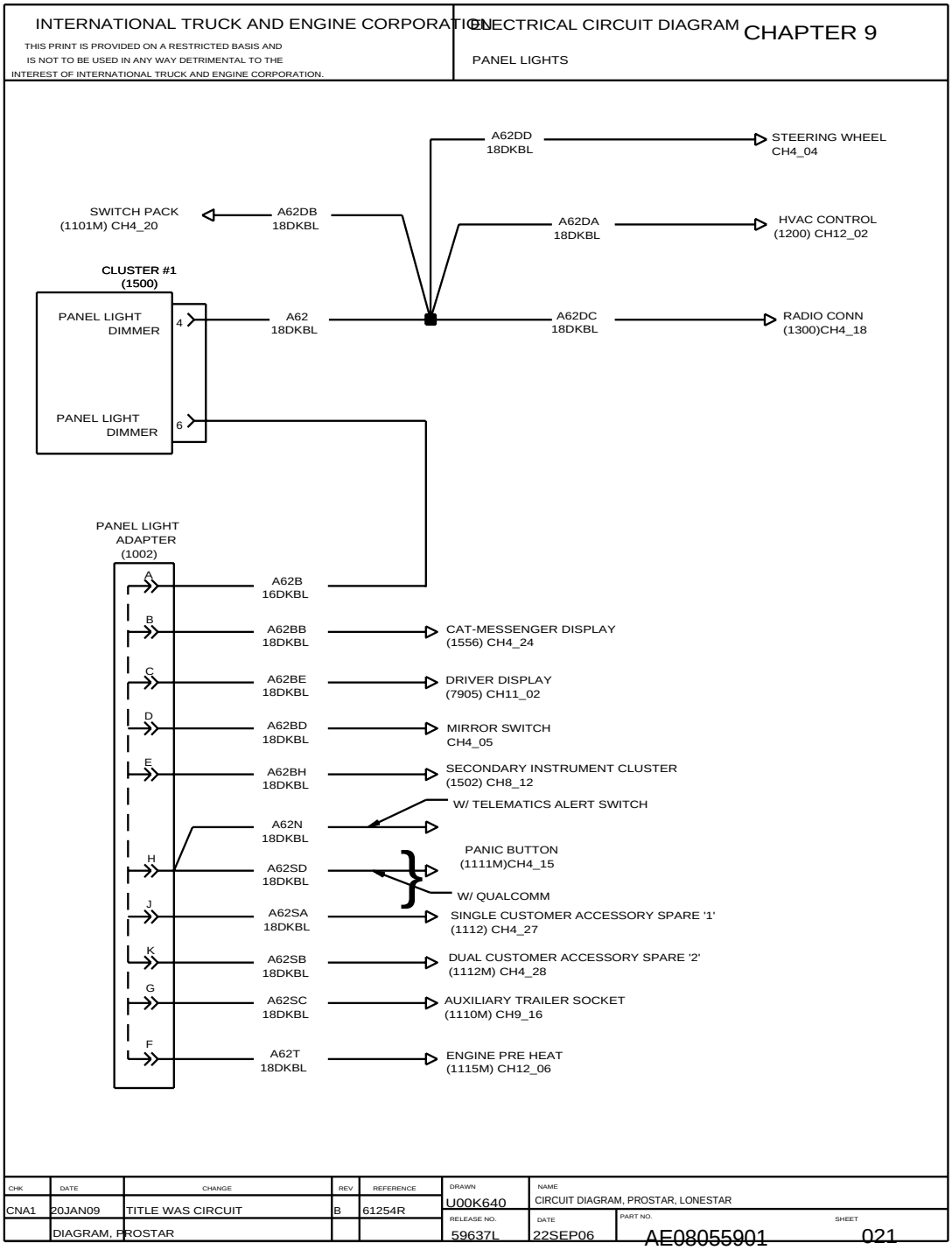

Figure 169 Panel Lights

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9.24. WORK LIGHTS — DAY CAB, P. 22

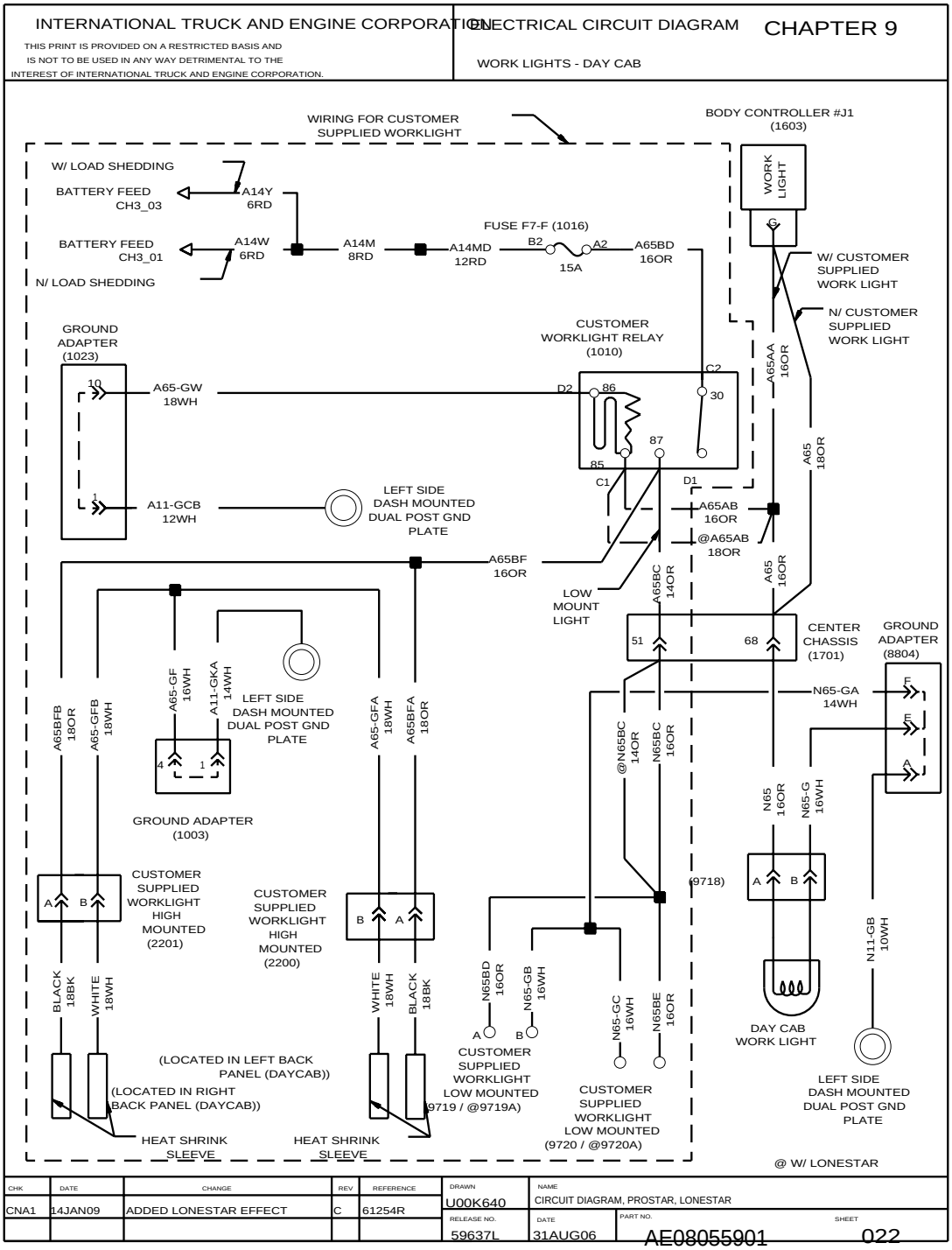

Figure 170 Work Lights — Day Cab

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9.25. WORK LIGHTS — SLEEPER CAB, P. 23

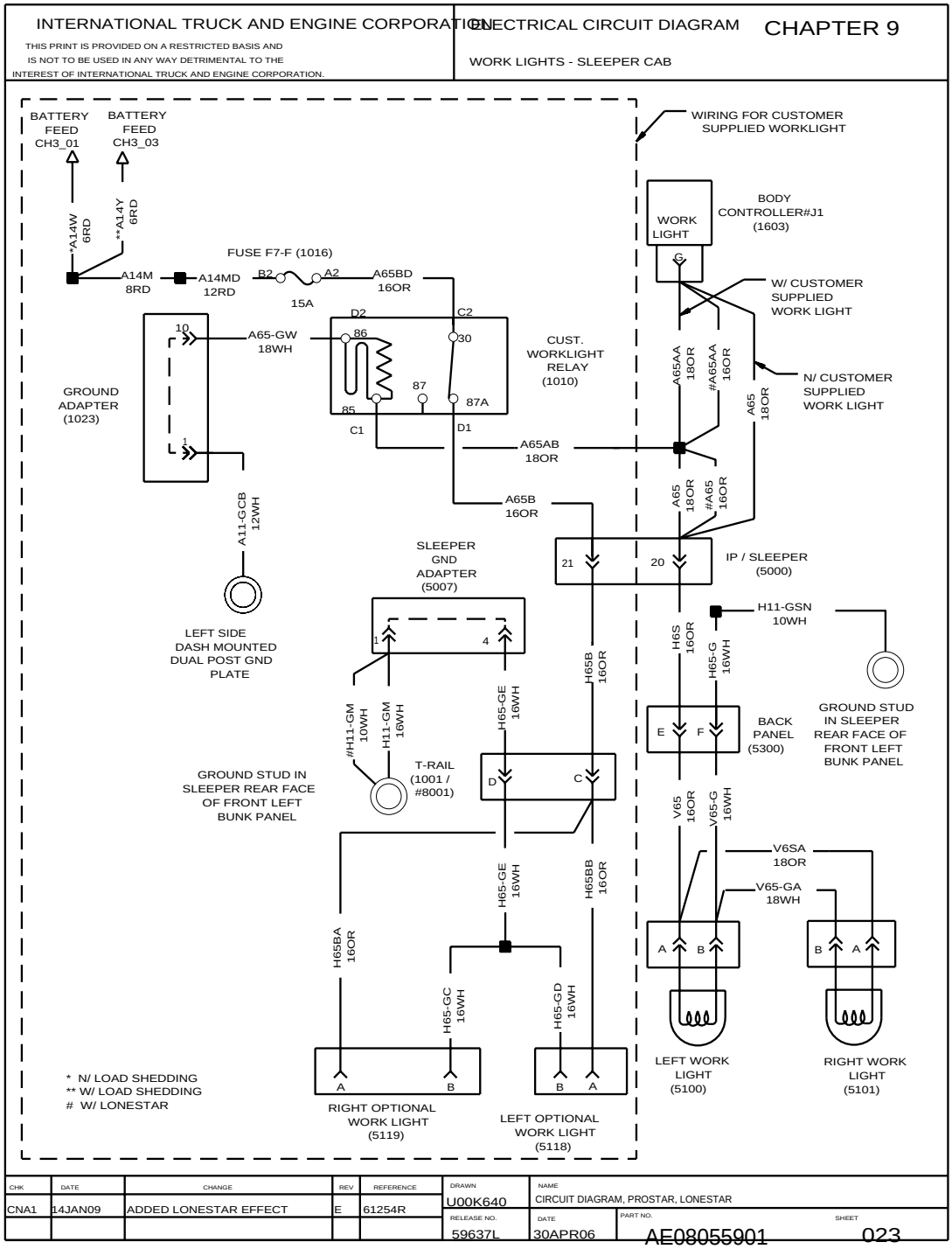

Figure 171 Work Lights — Sleeper Cab

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9.26. DOME AND ACCENT LIGHTS — SLEEPER, P. 24

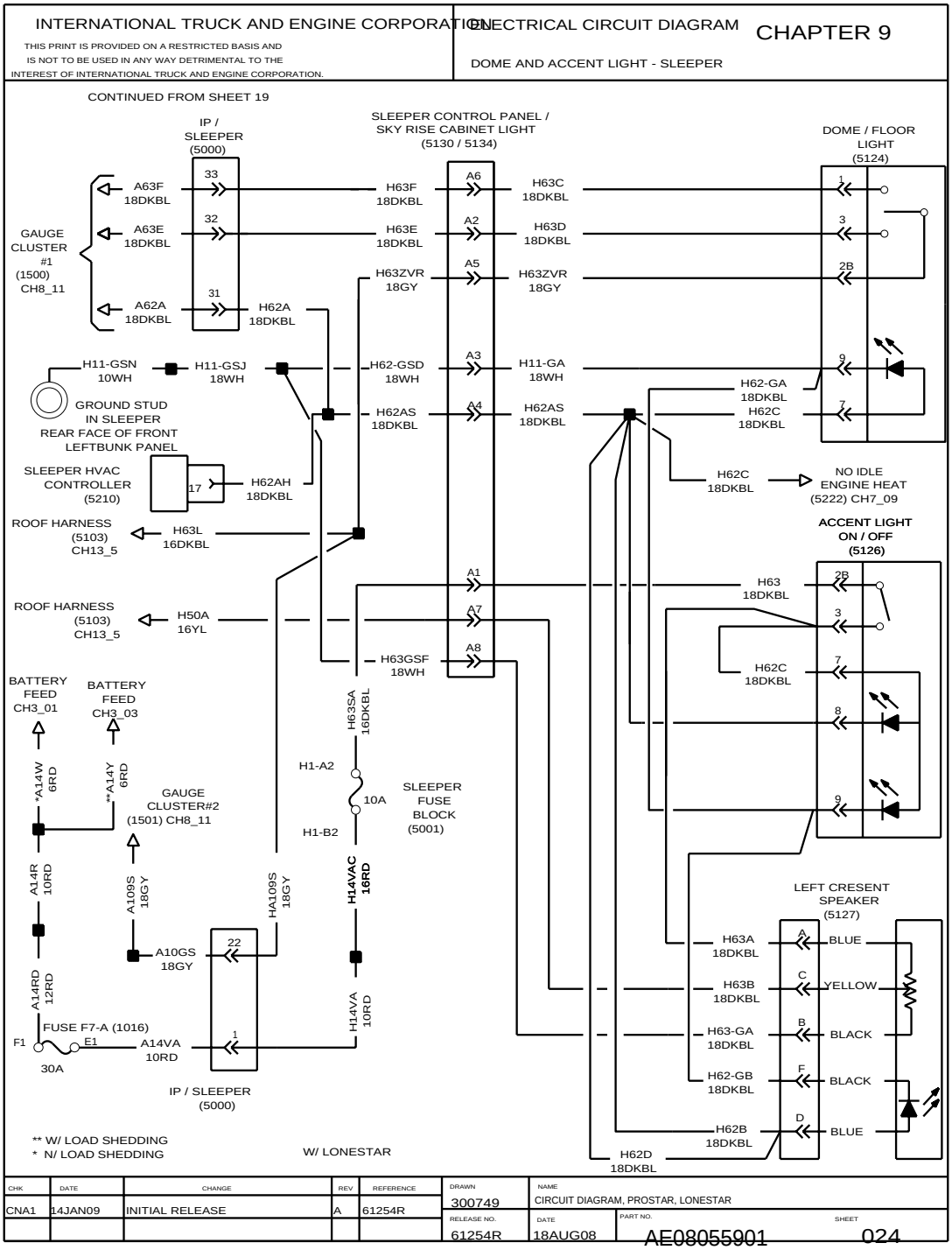

Figure 172 Dome and Accent Lights — Sleeper

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10. CHASSIS ACCESSORIES (CHAPTER 10)

10.1. TIRE PRESSURE MONITOR, P. 1

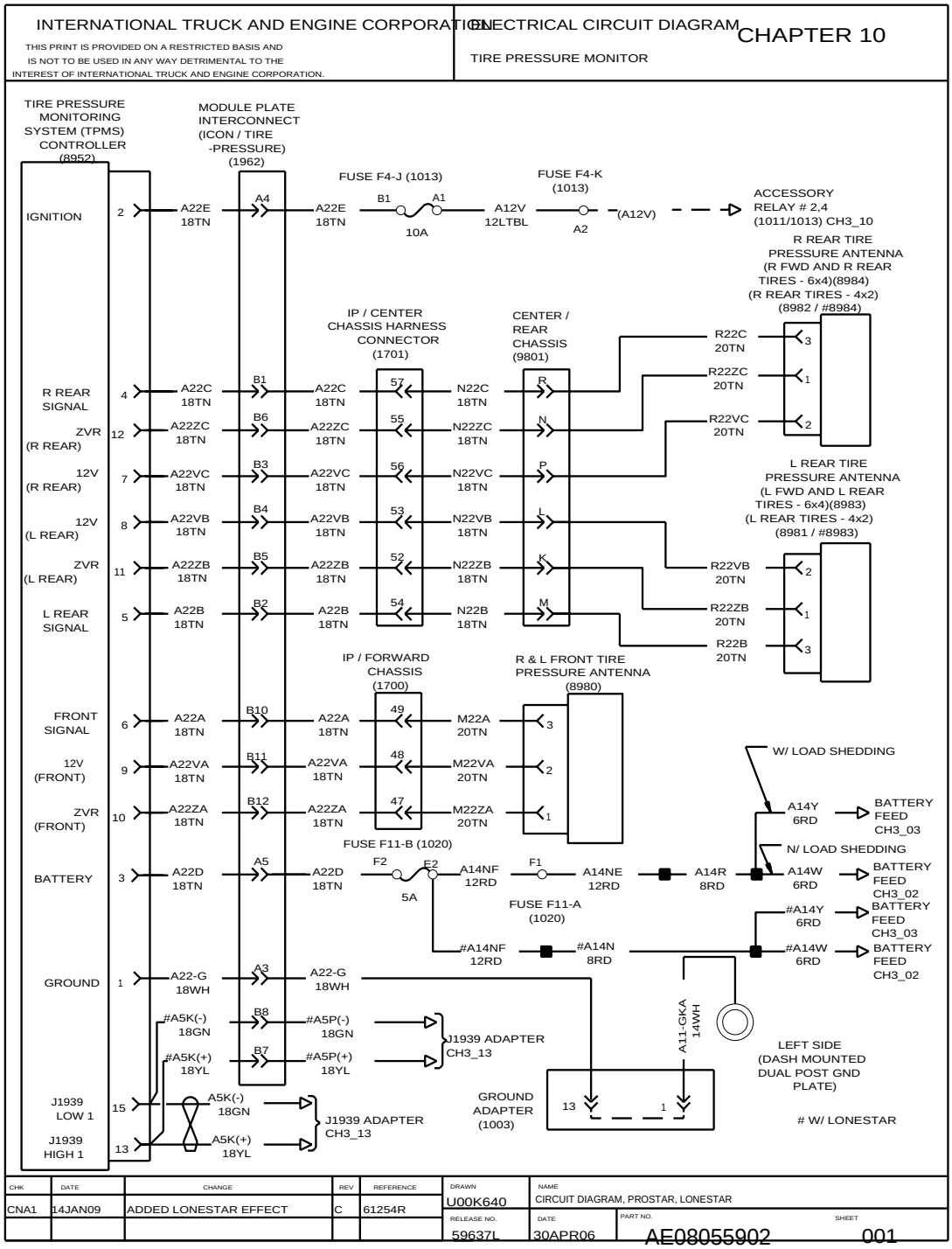

Figure 173 Tire Pressure Monitor

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10.2. AIR DRYER, P. 2

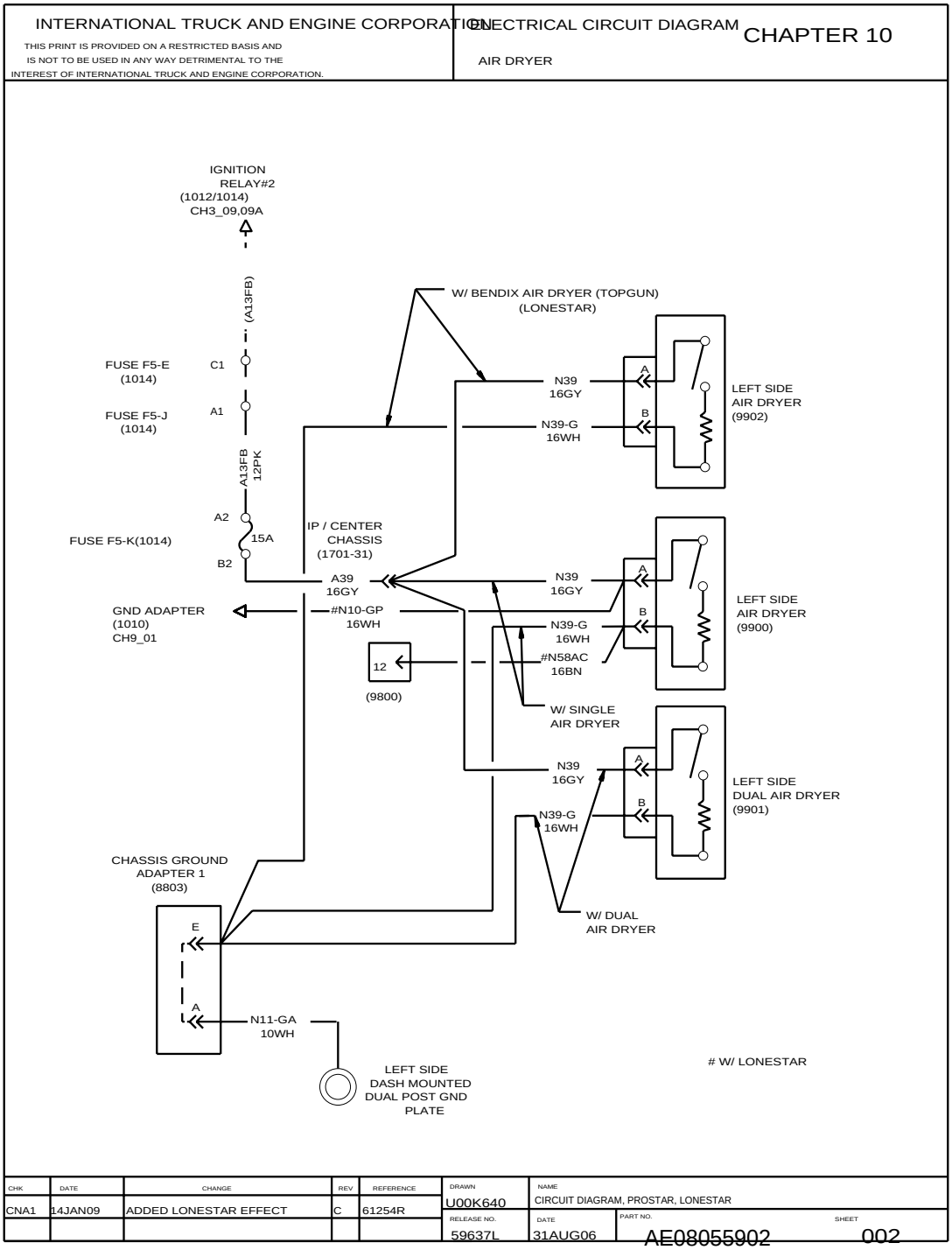

Figure 174 Air Dryer

https://truckmanualshub.com/

10.3. AIR SOLENOID PACK — 4 WAY, P. 3

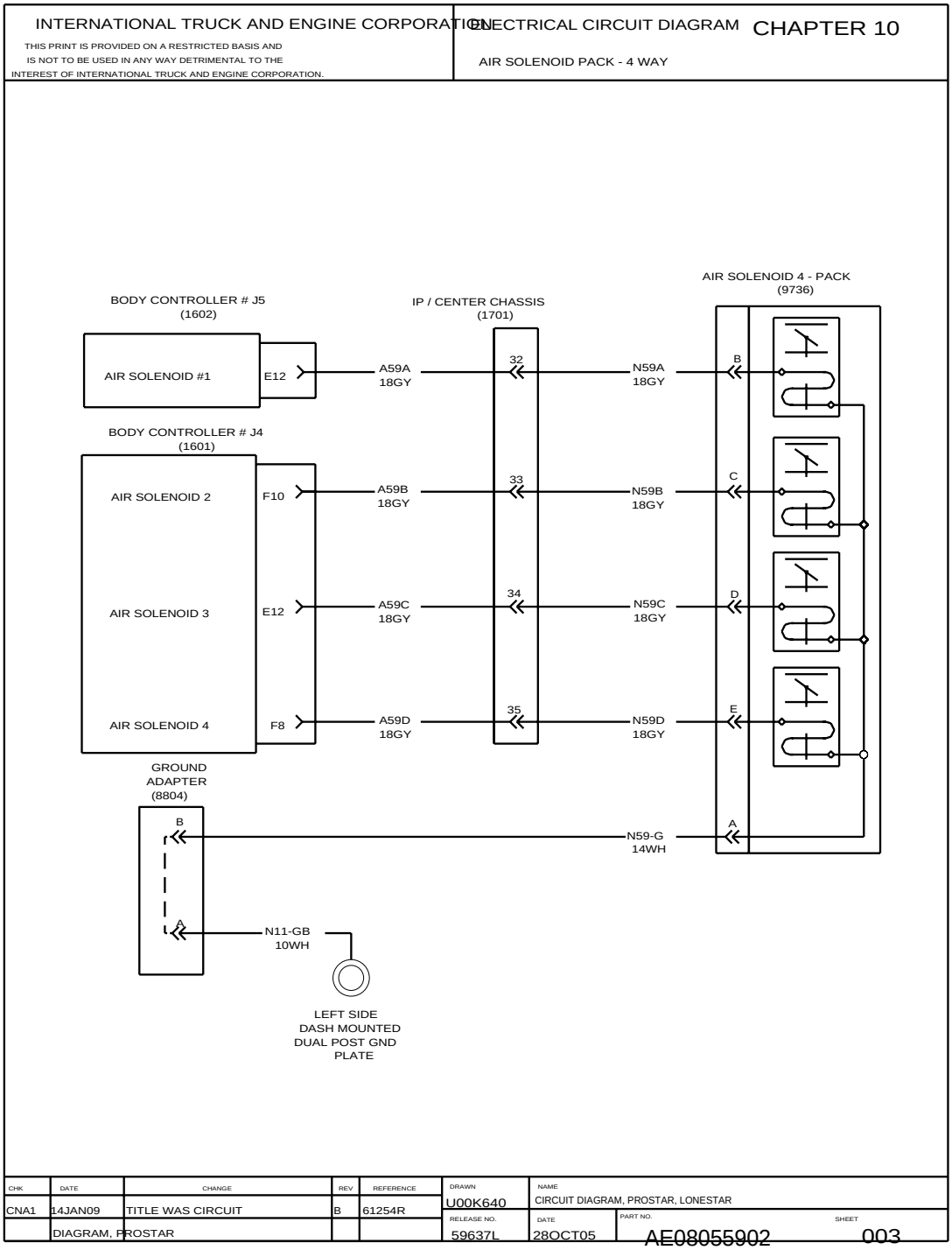

Figure 175 Air Solenoid Pack — 4 Way

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10.4. AIR SOLENOID PACK — 4 WAY, P. 4

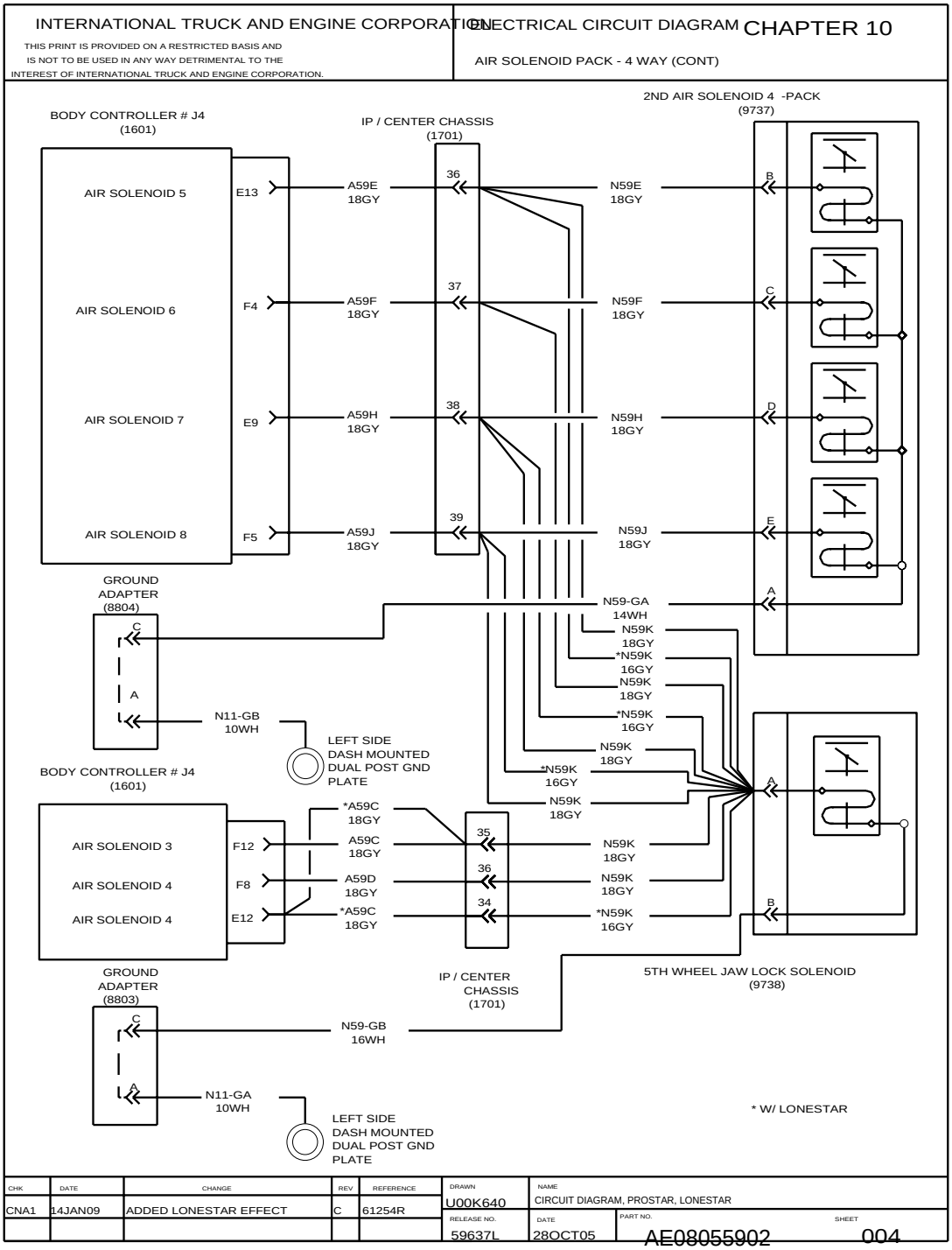

Figure 176 Air Solenoid Pack — 4 Way

https://truckmanualshub.com/

10.5. AIR SUSPENSION W/LOAD INDICATOR, P. 5

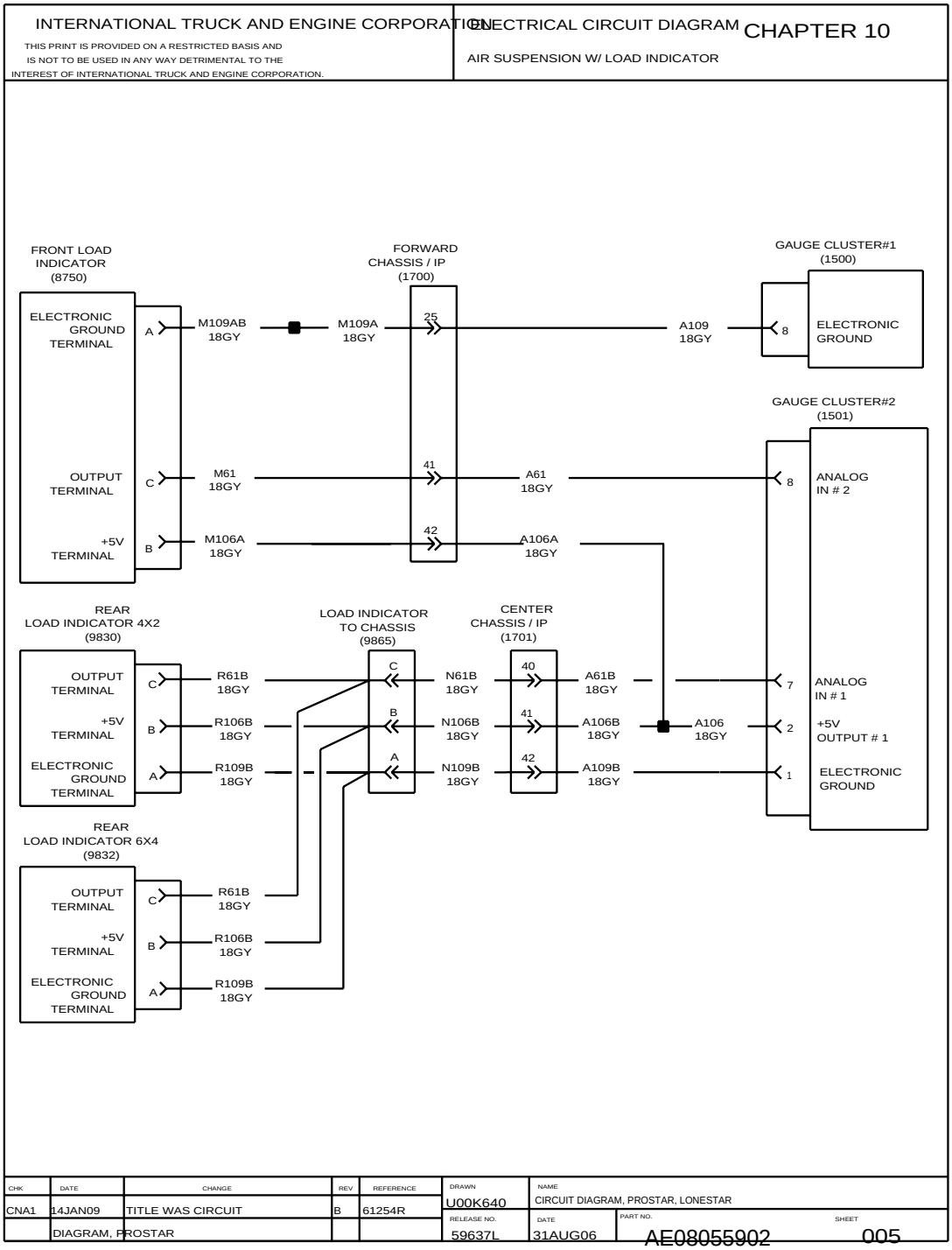

Figure 177 Air Suspension With Load Indicator

https://truckmanualshub.com/

10.6. BATTERY FEED — TRAILER AUXILIARY, P. 6

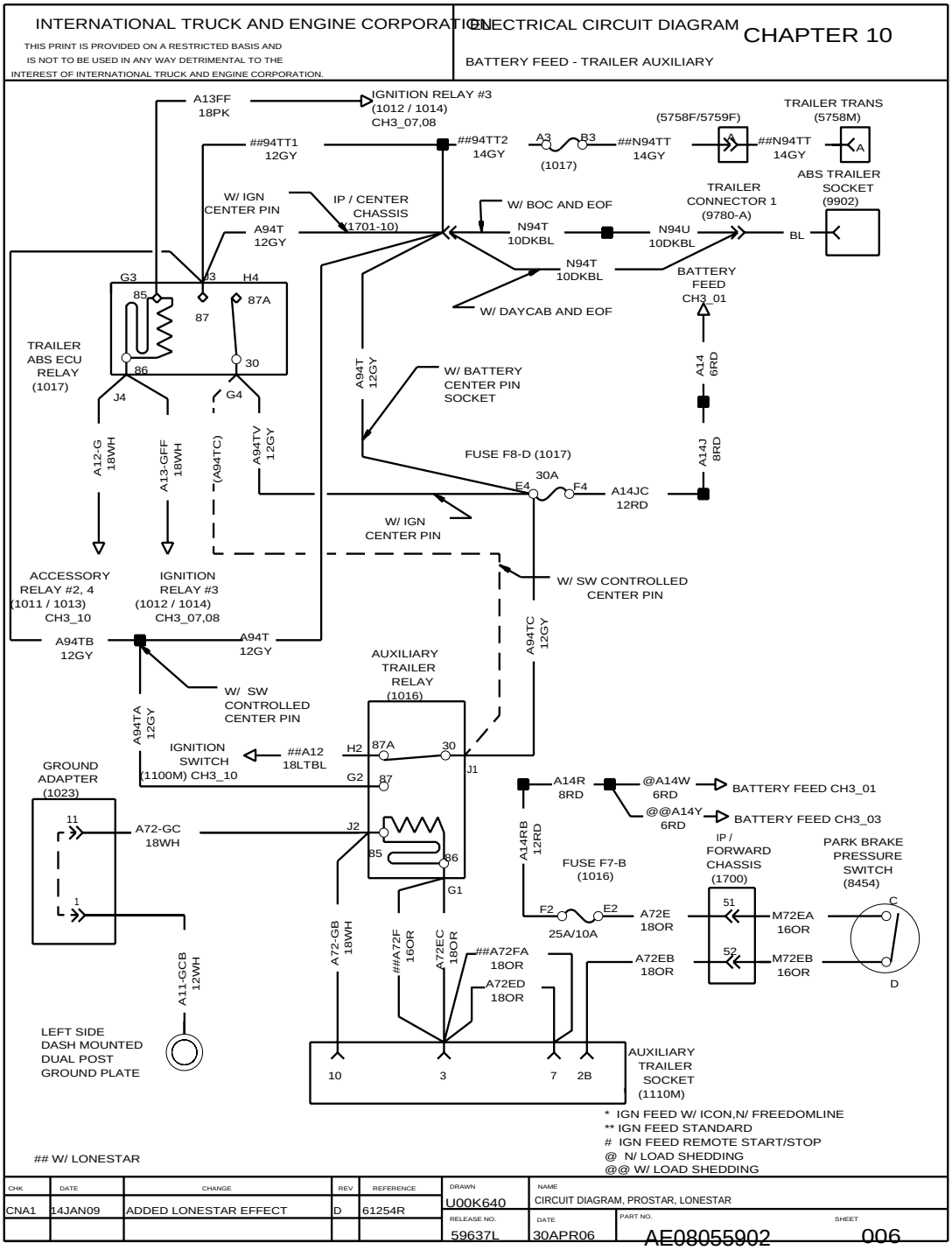

Figure 178 Battery Feed — Trailer Auxiliary

https://truckmanualshub.com/

10.7. ANTILOCK BRAKE SYSTEM W/BENDIX, P. 7

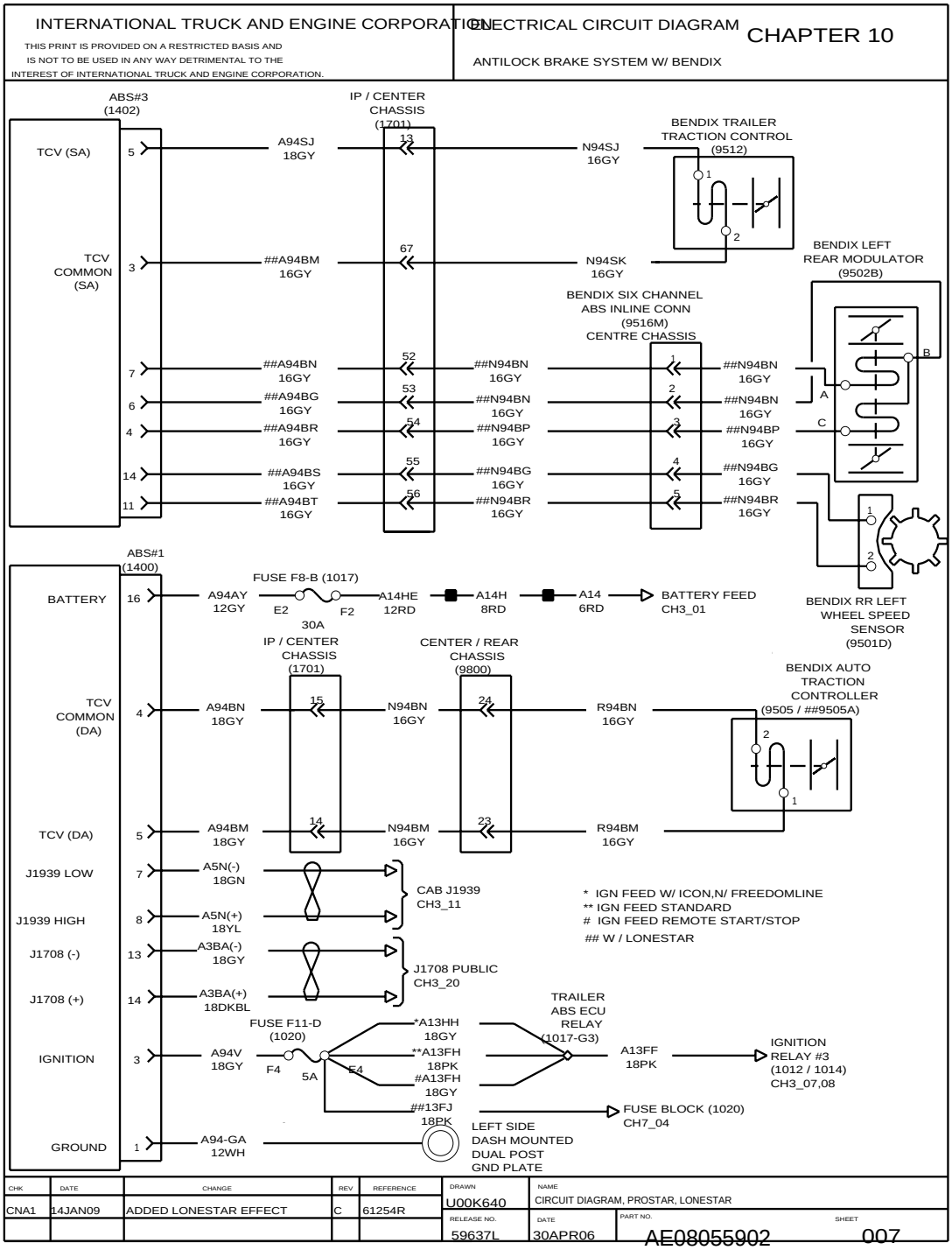

Figure 179 Antilock Brake System W/Bendix

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10.8. ANTILOCK BRAKE SYSTEM W/BENDIX, P. 7A

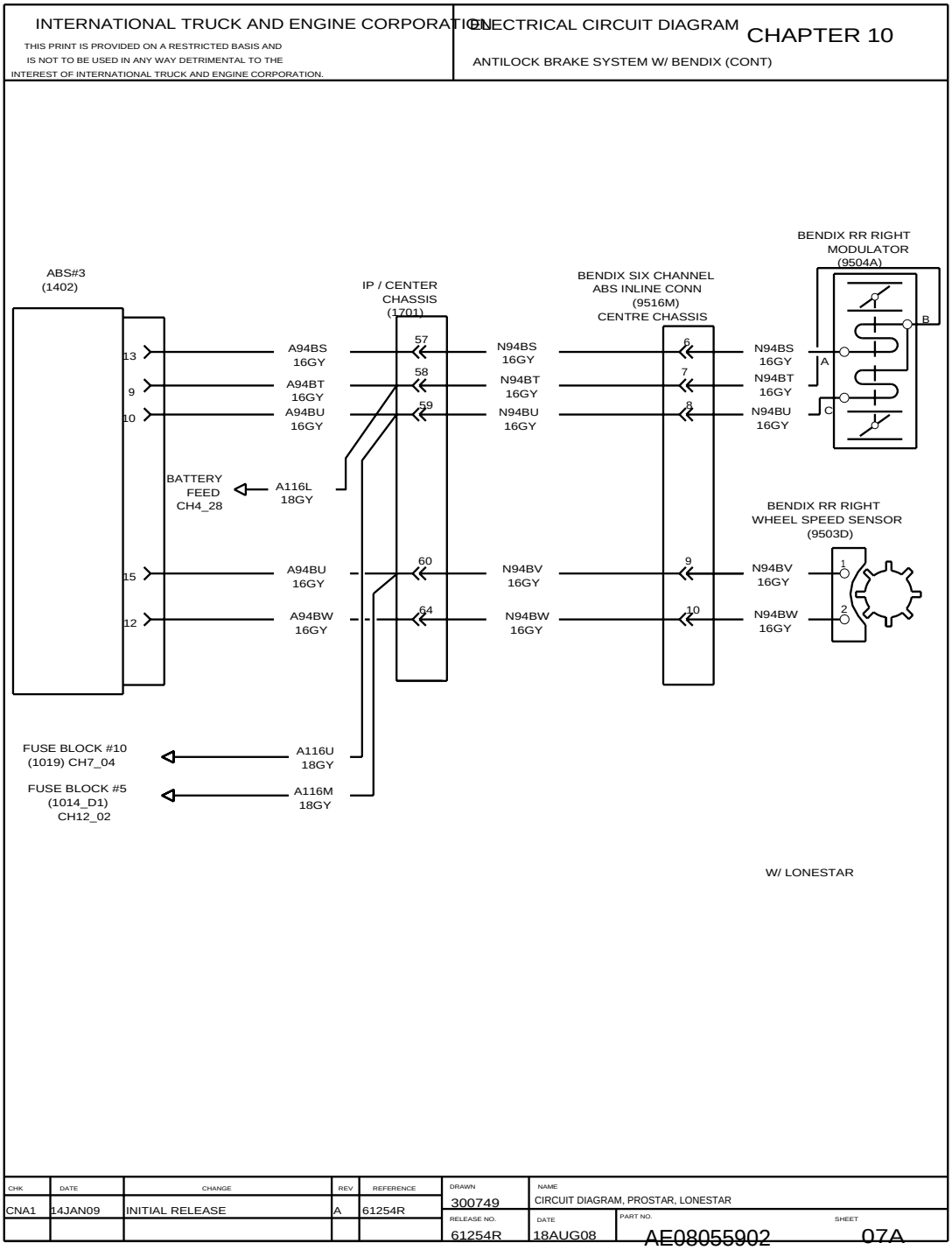

Figure 180 Antilock Brake System W/Bendix

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10.9. ANTILOCK BRAKE SYSTEM W/BENDIX, P. 8

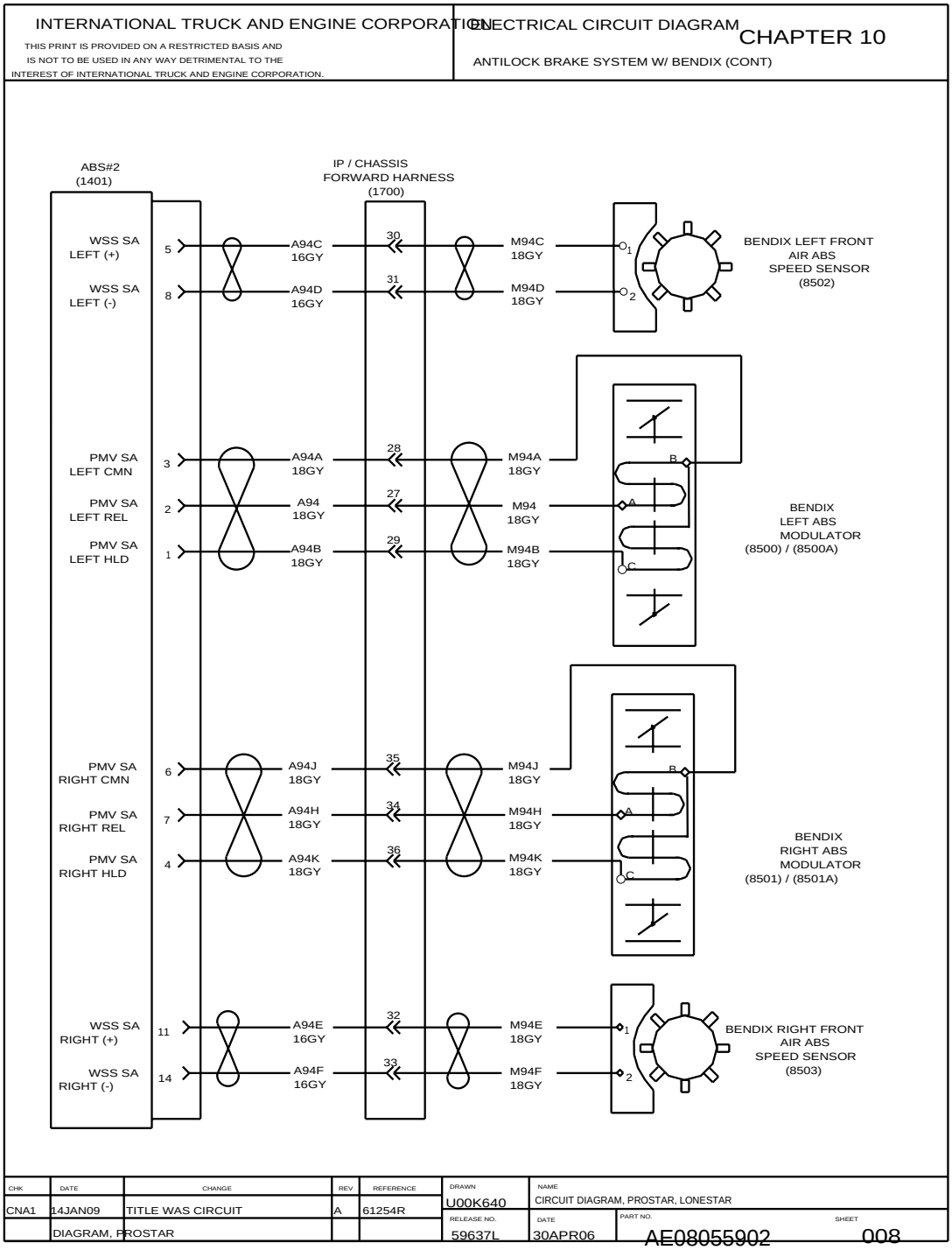

Figure 181 Antilock Brake System W/Bendix

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10.10. ANTILOCK BRAKE SYSTEM W/BENDIX, P. 9

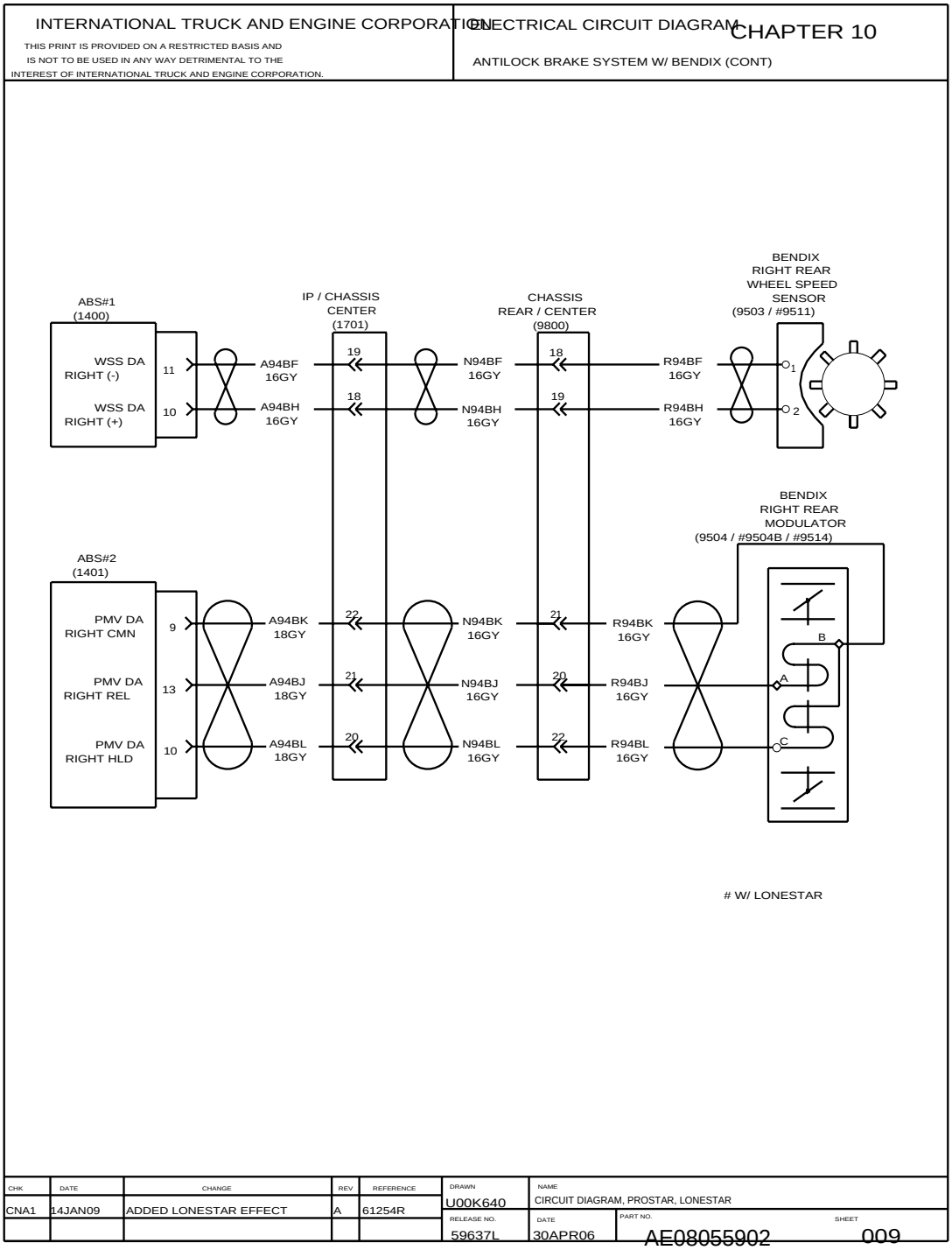

Figure 182 Antilock Brake System W/Bendix

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10.11. ANTILOCK BRAKE SYSTEM W/BENDIX, P. 10

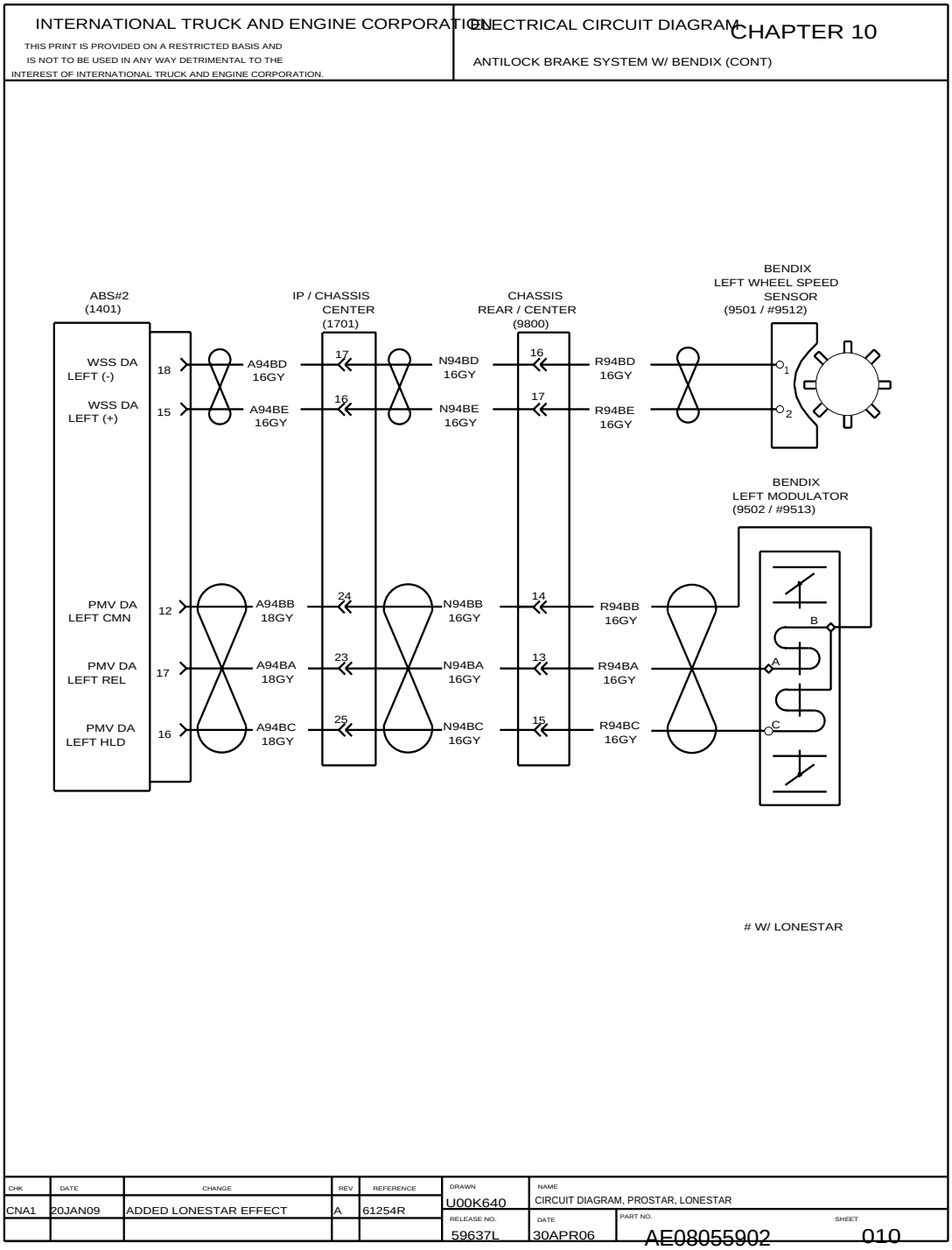

Figure 183 Antilock Brake System W/Bendix

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10.12. ANTILOCK BRAKE SYSTEM W/BENDIX, P. 11

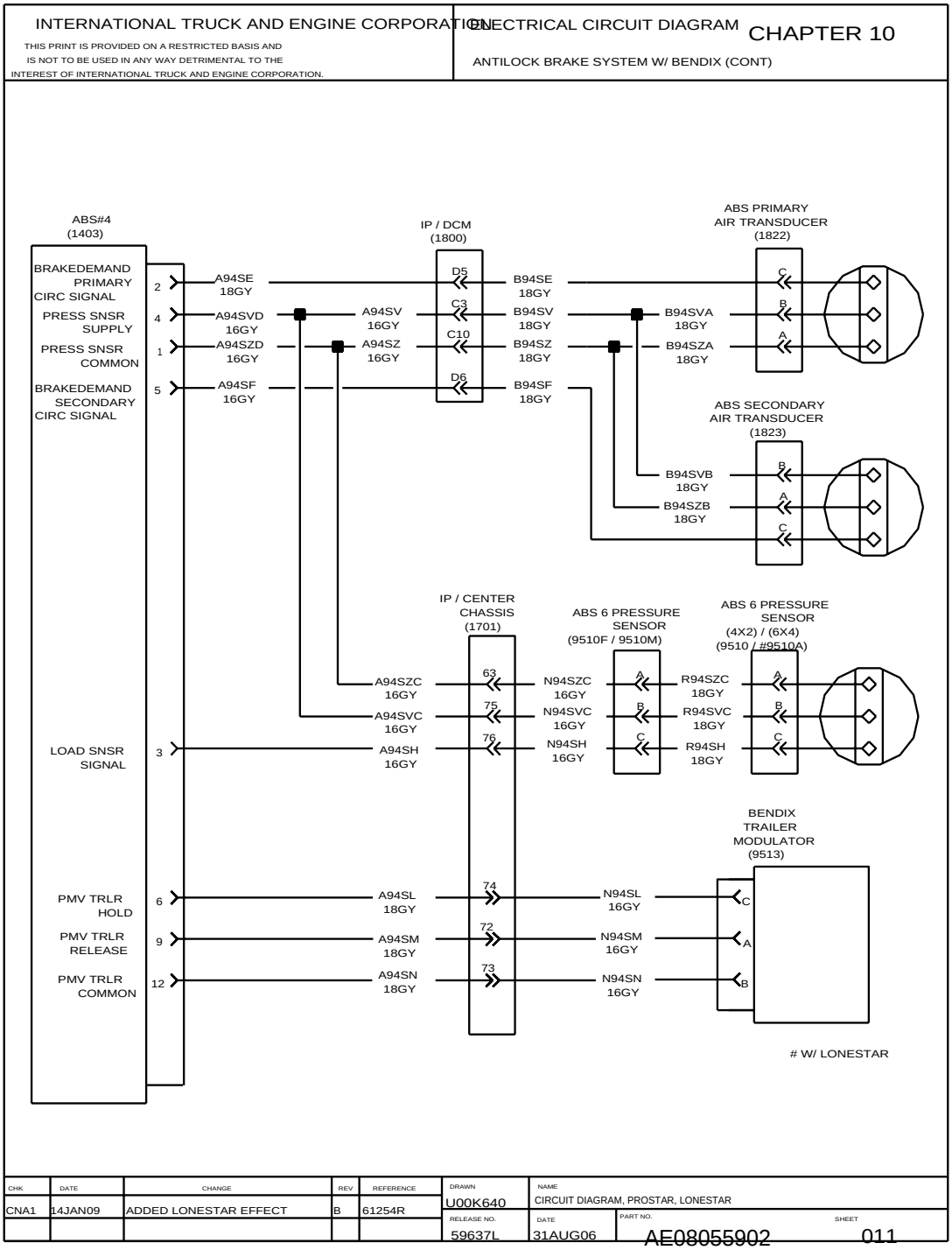

Figure 184 Antilock Brake System W/Bendix

https://truckmanualshub.com/

10.13. ANTILOCK BRAKE SYSTEM W/BENDIX, P. 12

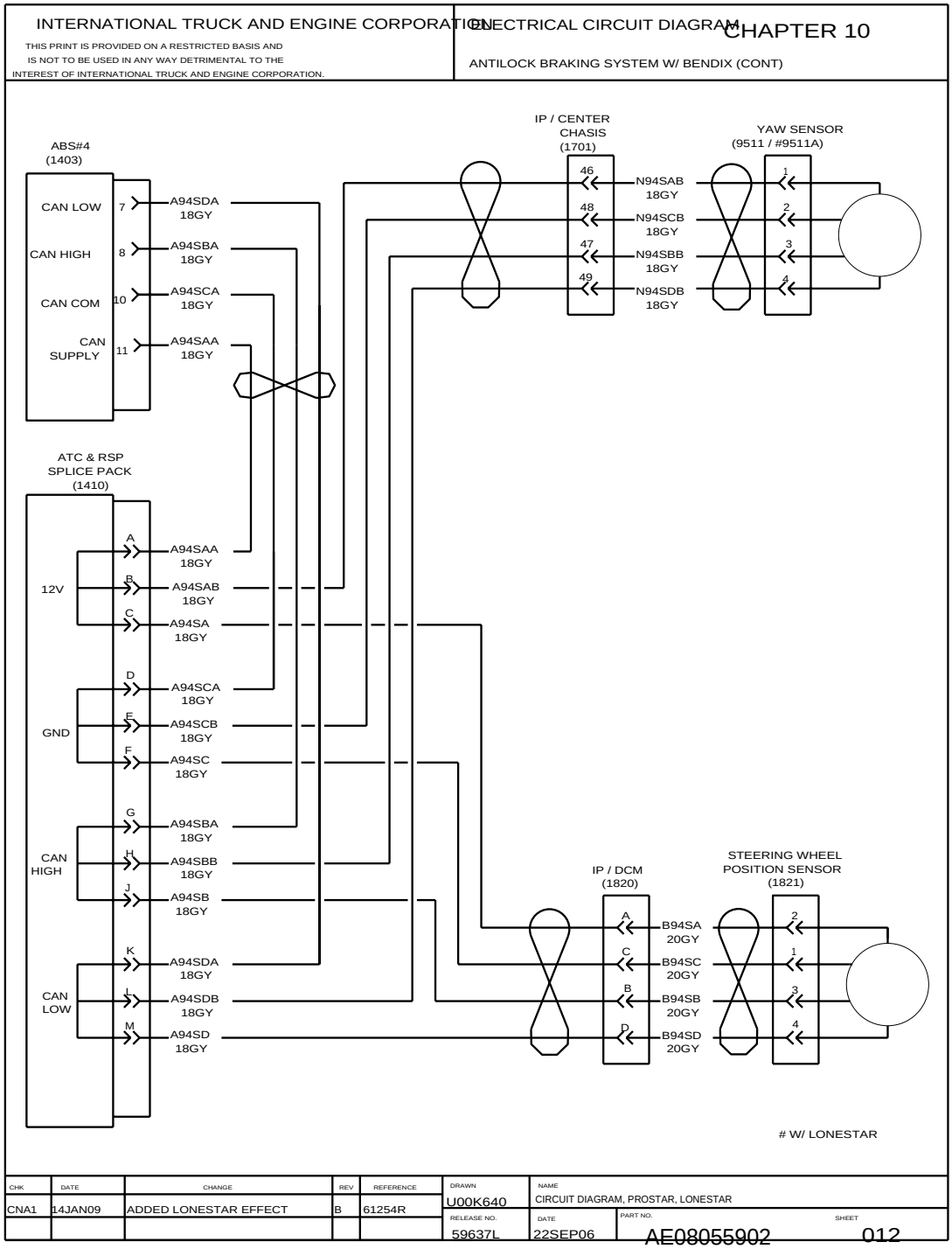

Figure 185 Antilock Brake System W/Bendix

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10.14. ANTILOCK BRAKE SYSTEM W/WABCO, P. 13

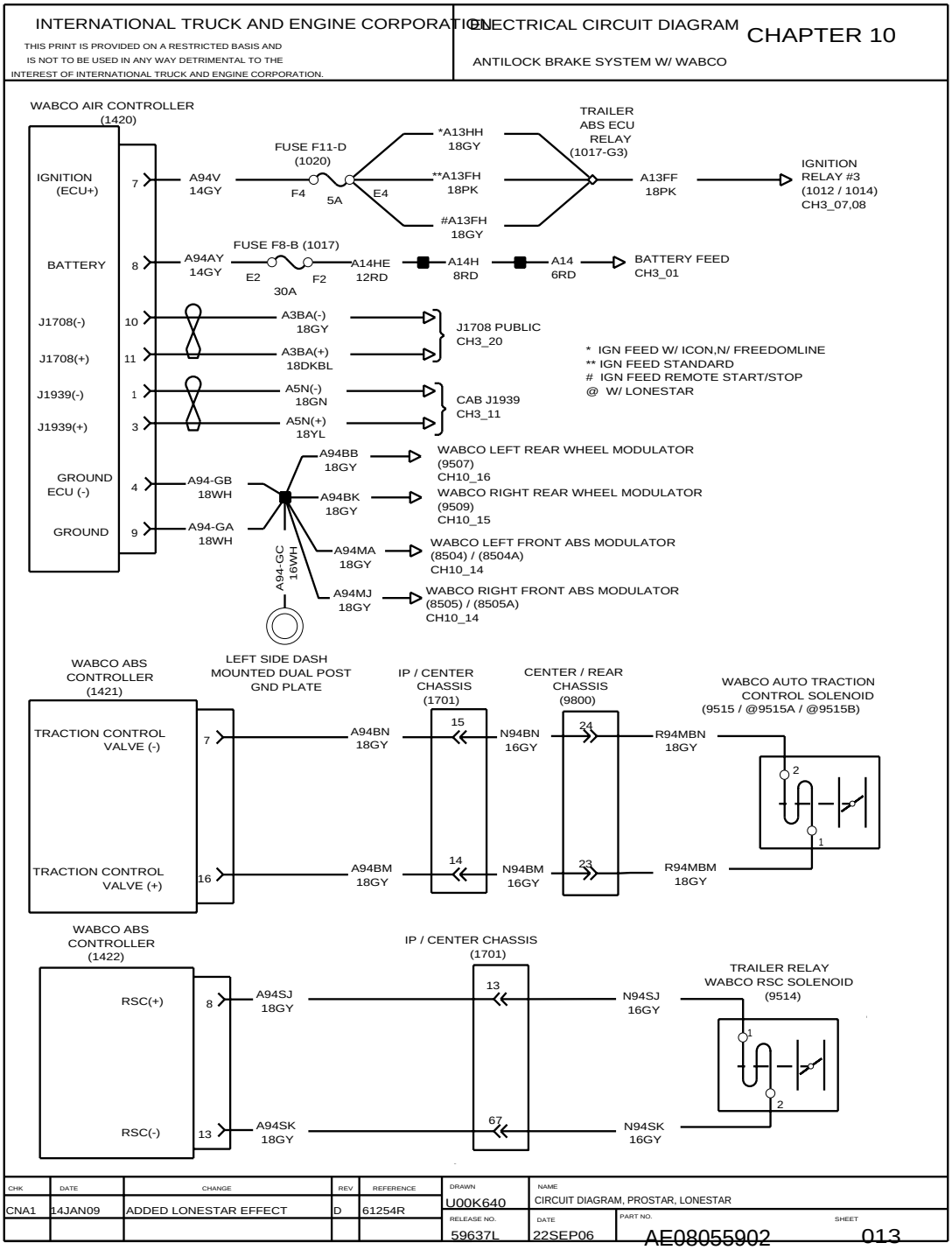

Figure 186 Antilock Brake System W/WABCO

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10.15. ANTILOCK BRAKE SYSTEM W/WABCO, P. 14

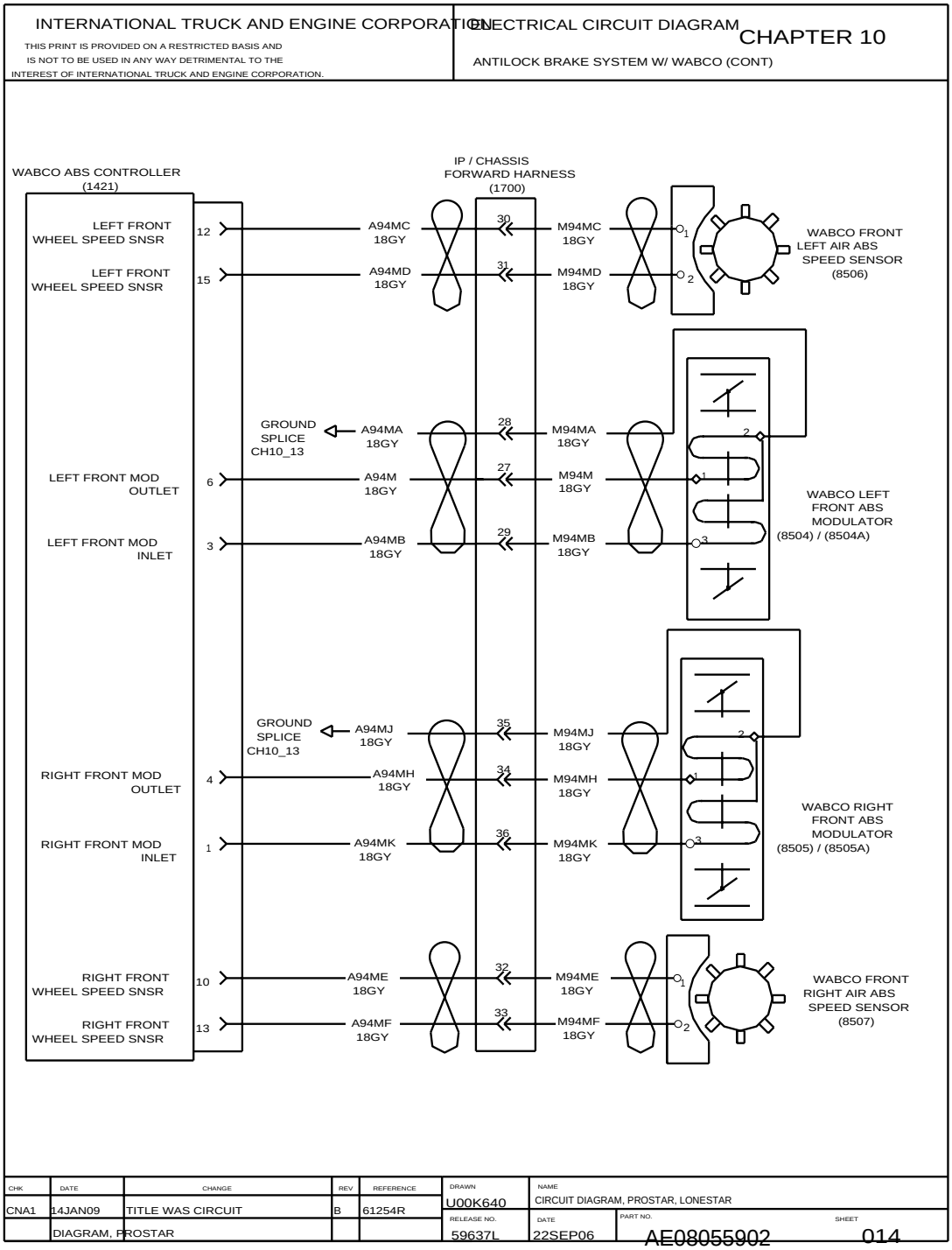

Figure 187 Antilock Brake System W/WABCO

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10.16. ANTILOCK BRAKE SYSTEM W/WABCO, P. 15

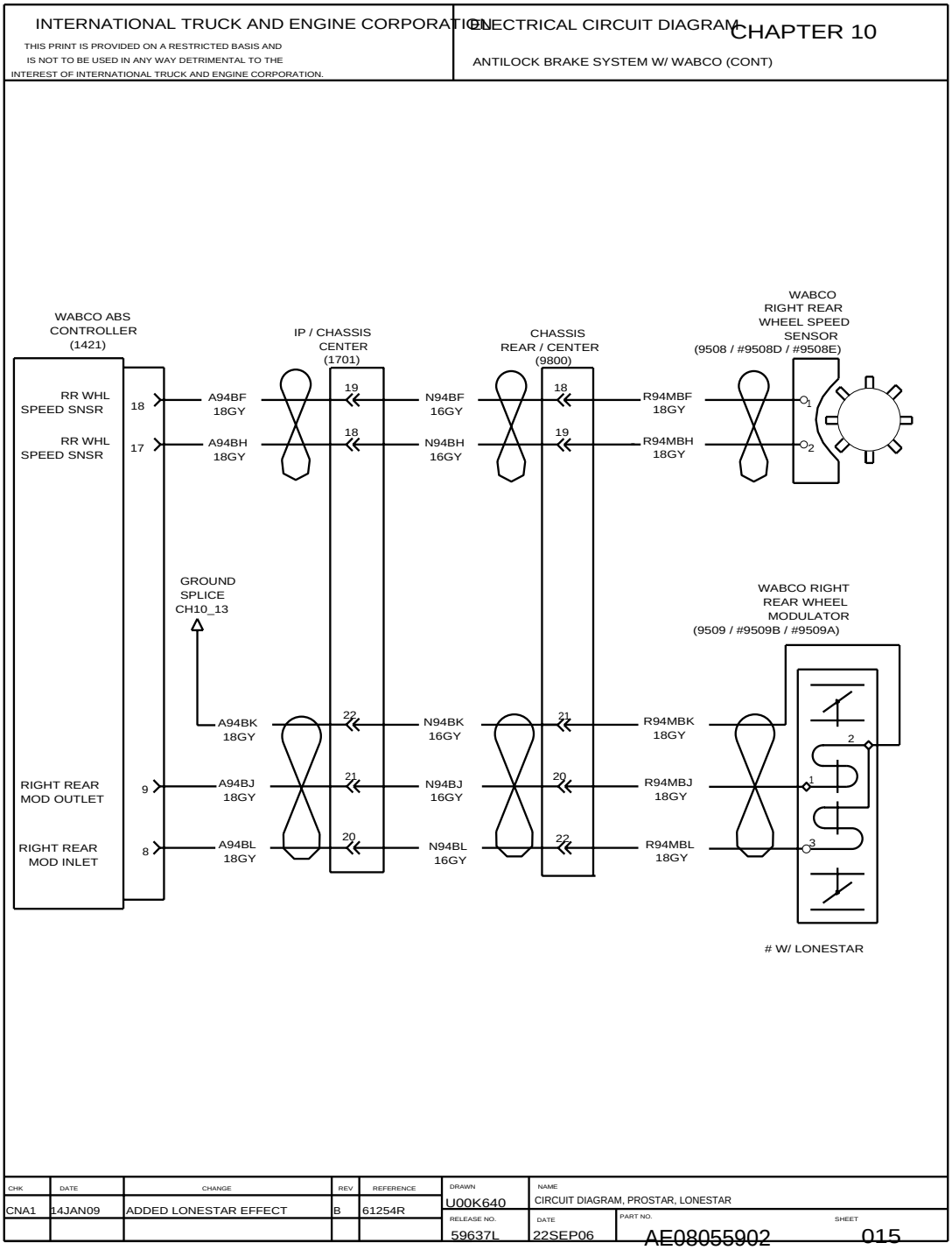

Figure 188 Antilock Brake System W/WABCO

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10.17. ANTILOCK BRAKE SYSTEM W/WABCO, P. 16

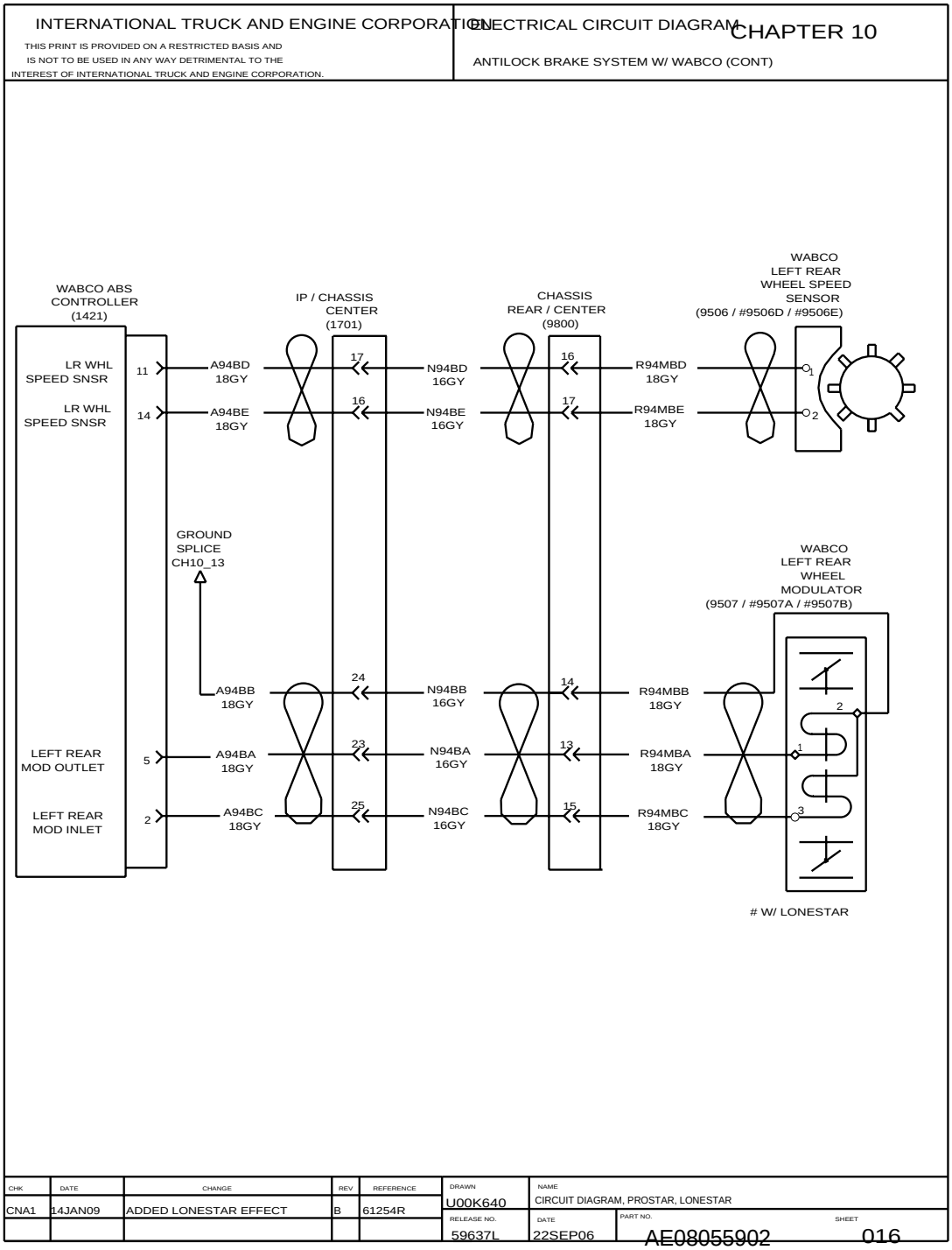

Figure 189 Antilock Brake System W/WABCO

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10.18. ANTILOCK BRAKE SYSTEM W/WABCO, P. 17

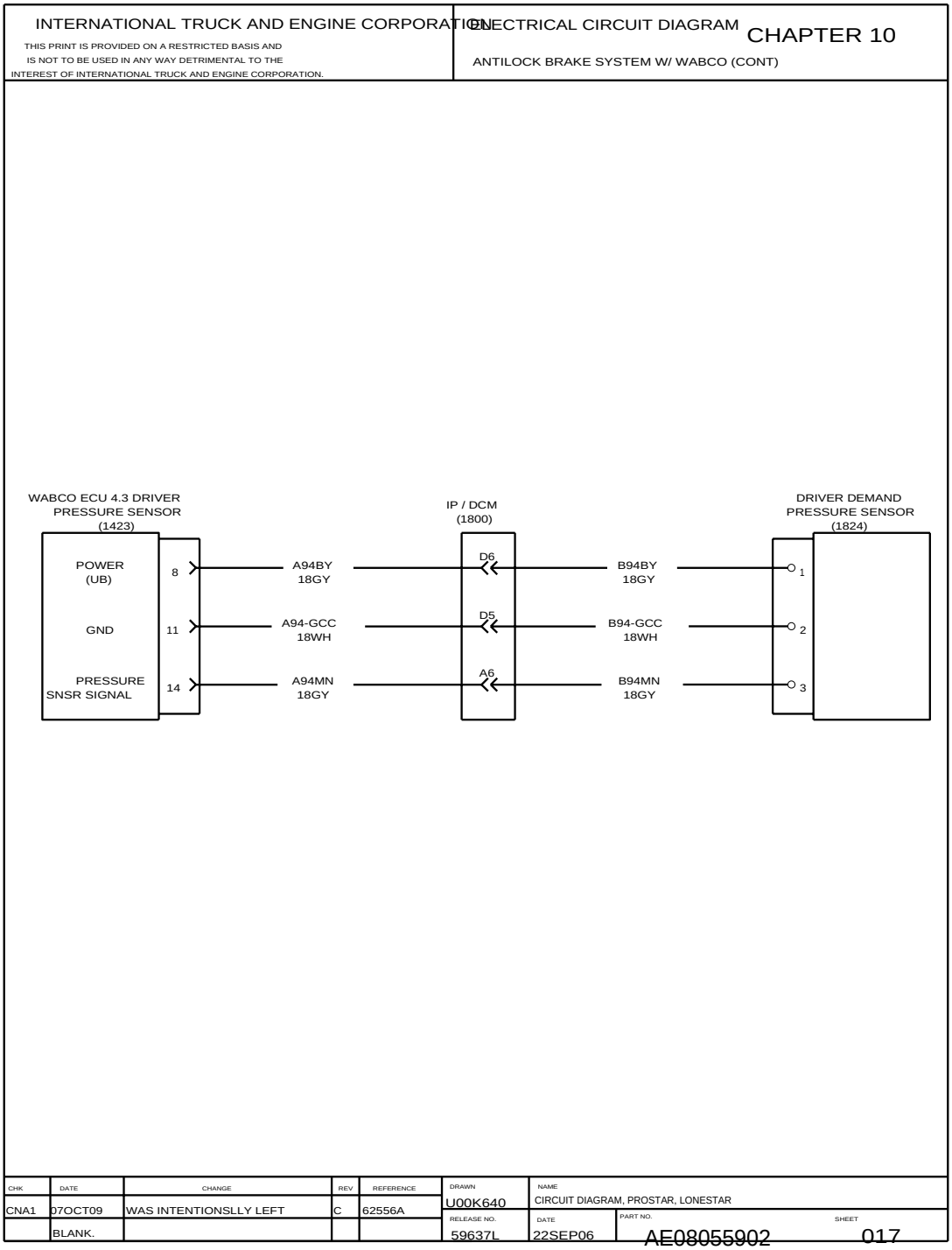

Figure 190 Antilock Brake System W/WABCO

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10.19. POWER TAKE OFF, P. 18

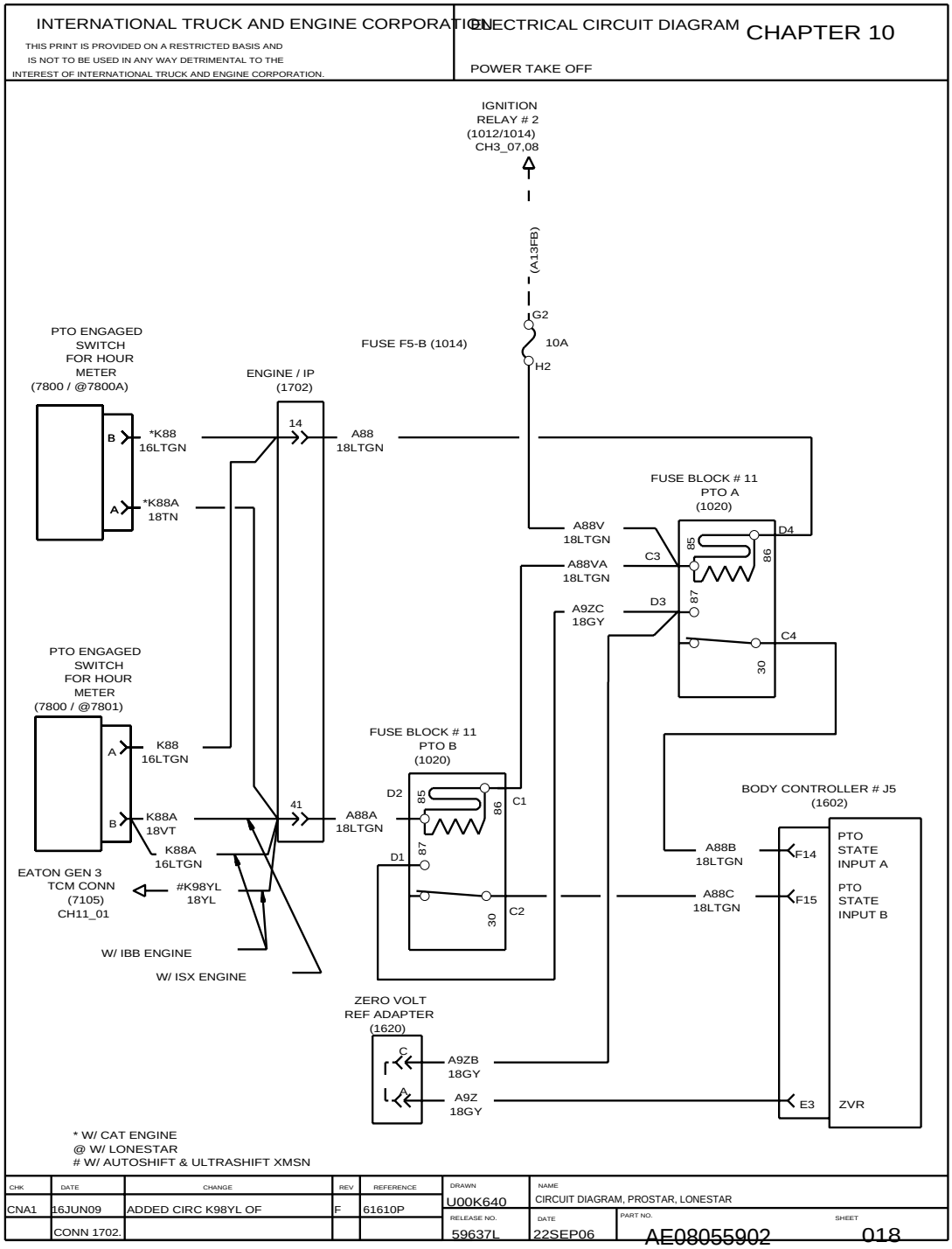

Figure 191 Power Take Off

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10.20. FUEL LEVEL, P. 19

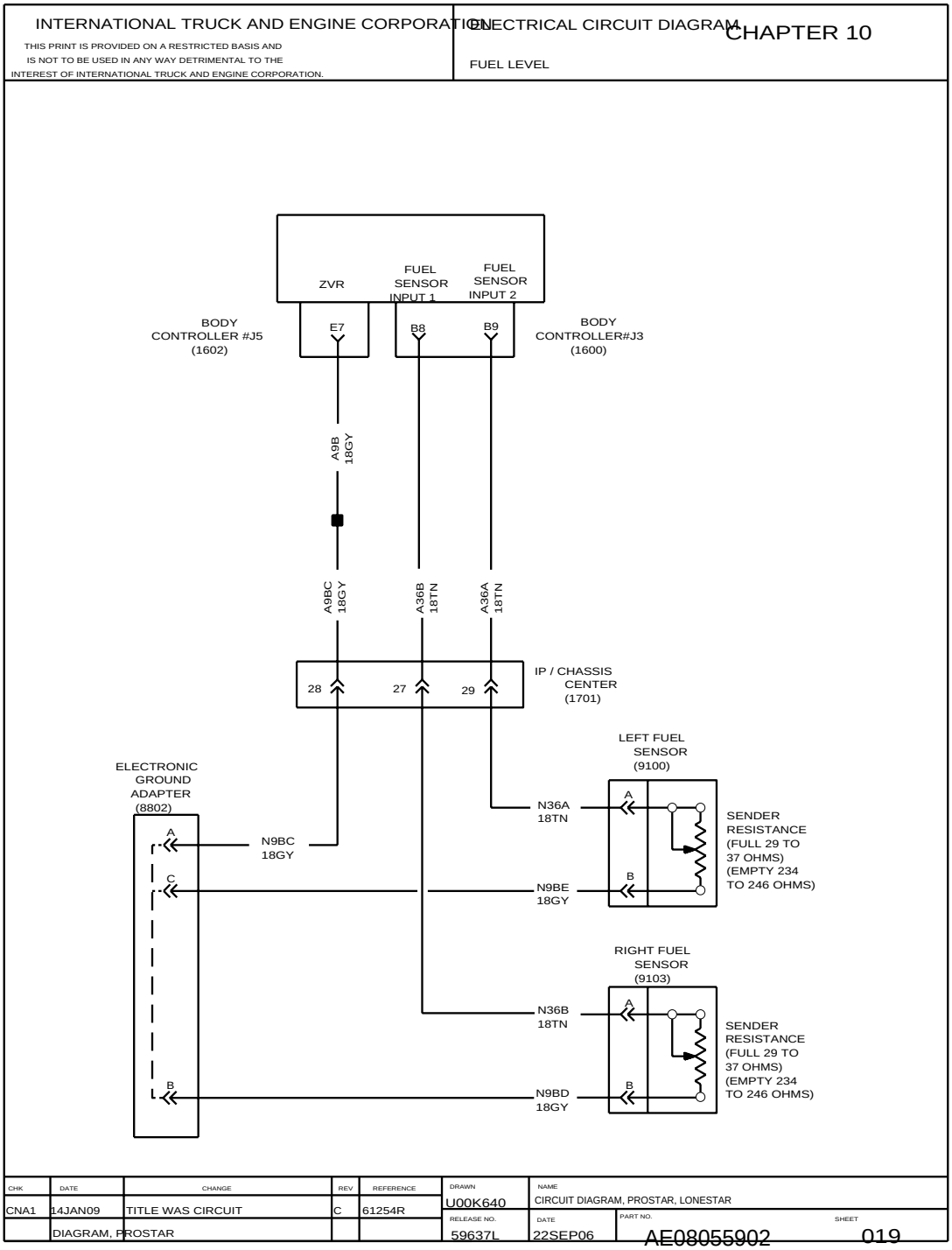

Figure 192 Fuel Level

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10.21. VEHICLE SENSOR MODULE, P. 20

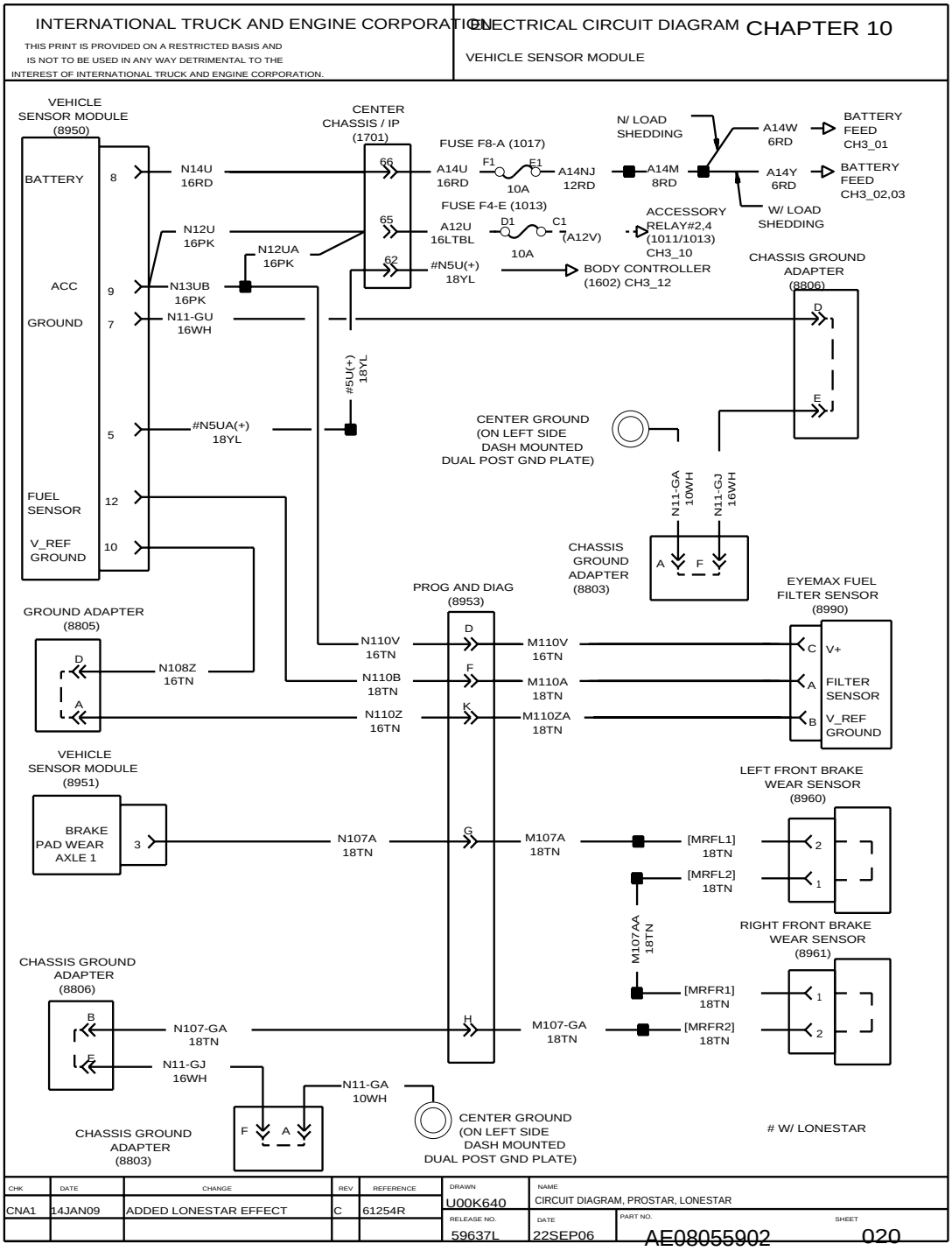

Figure 193 Vehicle Sensor Module

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10.22. VEHICLE SENSOR MODULE, P. 21

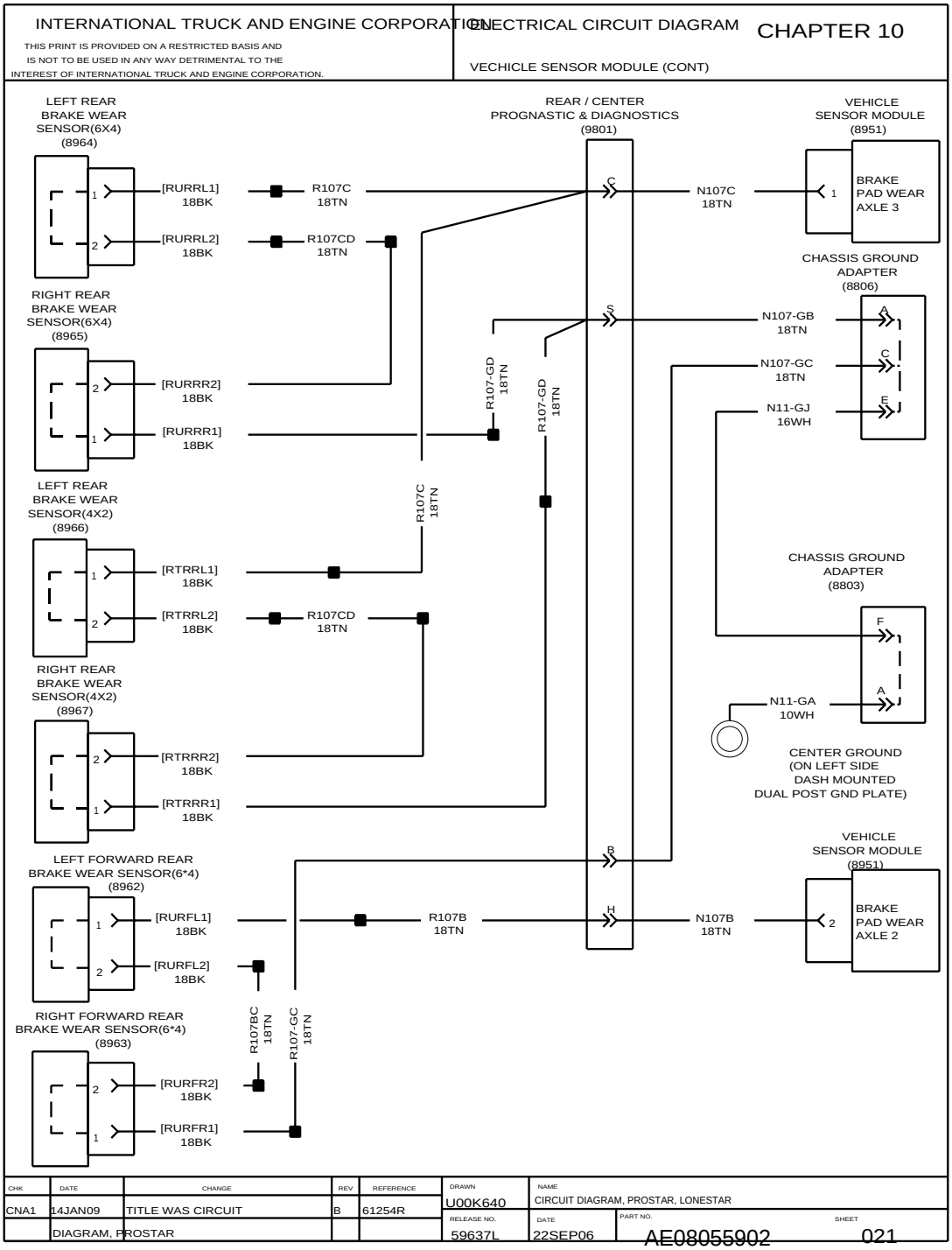

Figure 194 Vehicle Sensor Module

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10.23. BRAKE SENSOR — WEAR/STROKE, P. 22

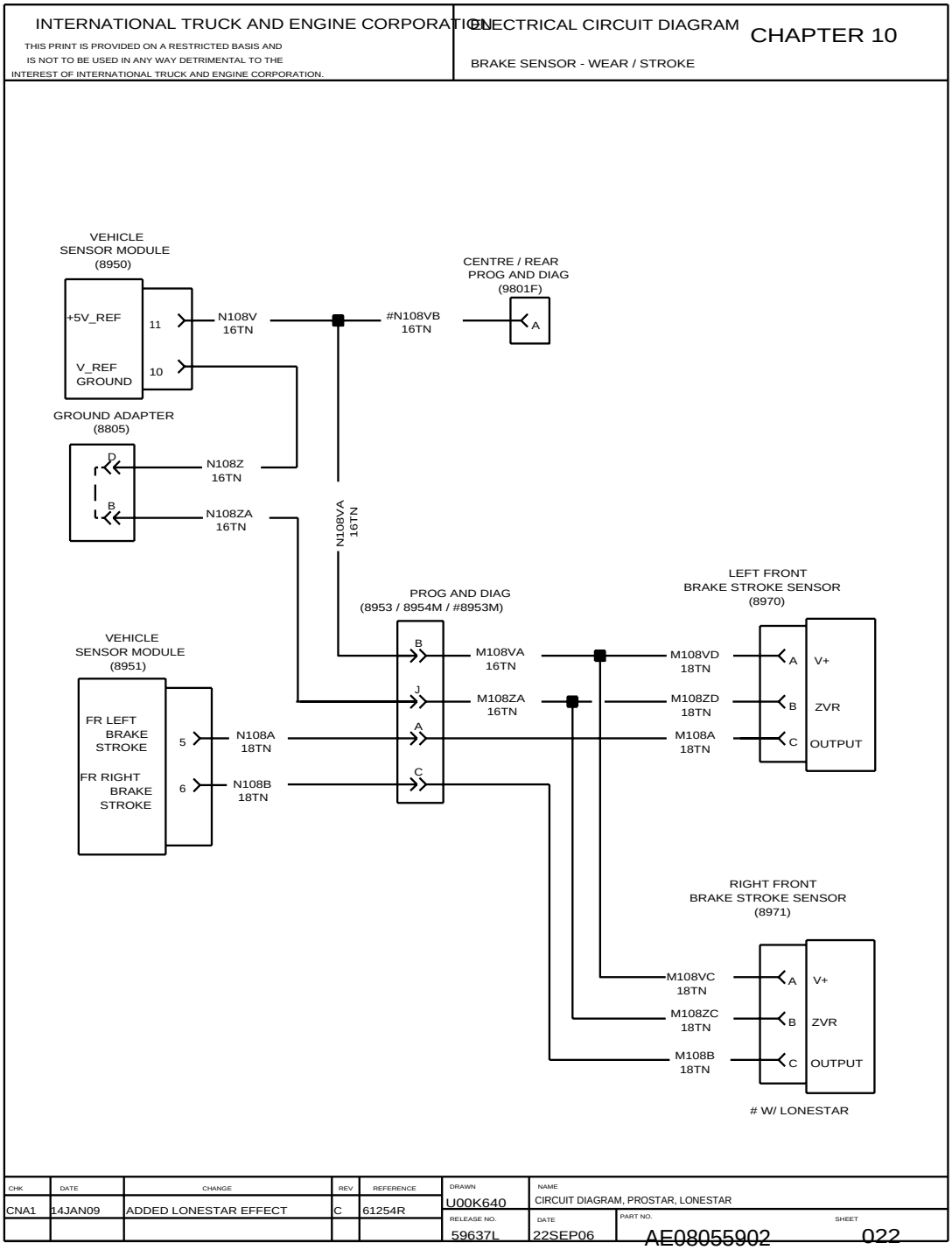

Figure 195 Brake Sensor — Wear/Stroke

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10.24. BRAKE SENSOR — WEAR/STROKE, P. 23

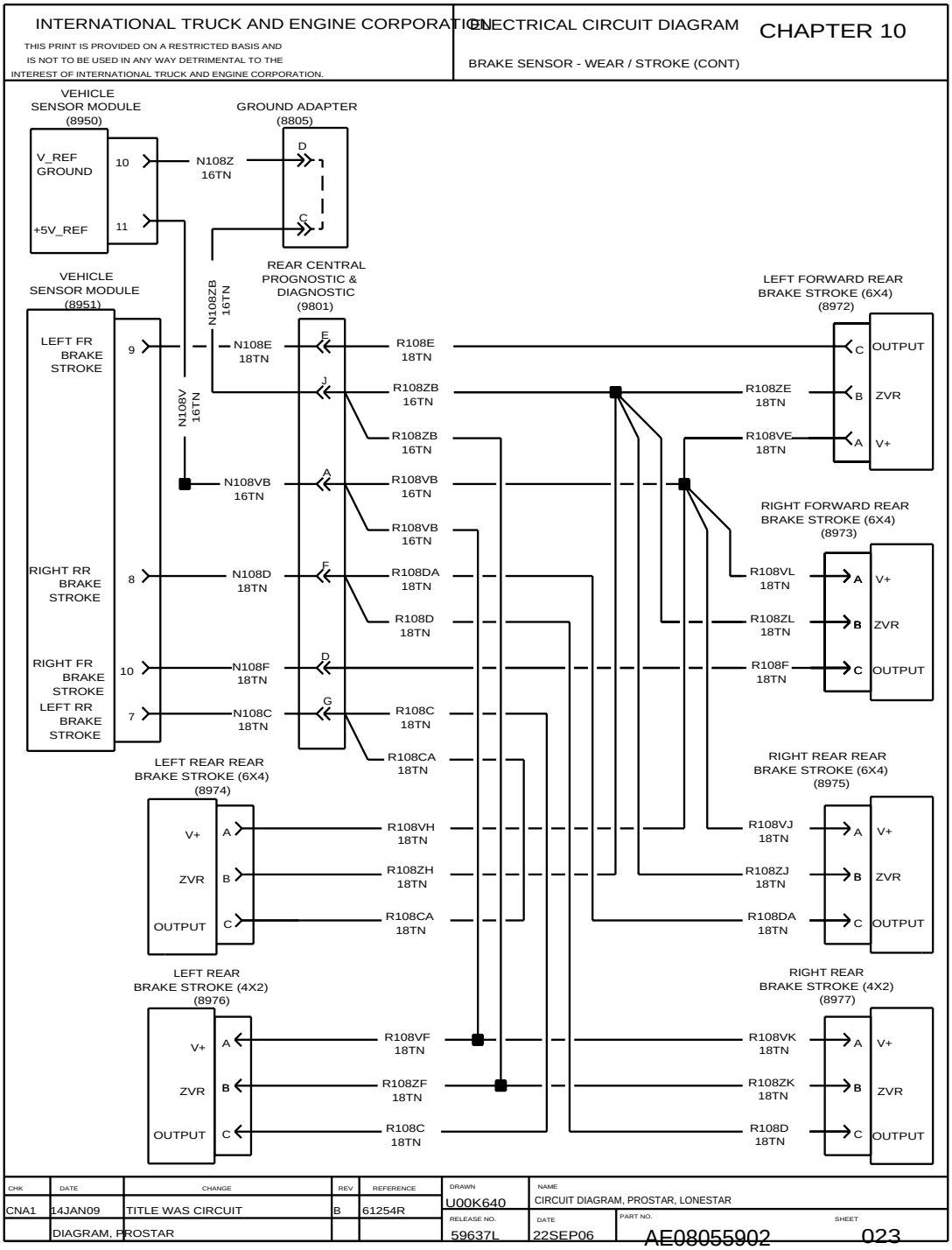

Figure 196 Brake Sensor — Wear/Stroke

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11. TRANSMISSION CONTROL MODULE (CHAPTER 11)

11.1. EATON AUTOSHIFT AND ULTRASHIFT TRANSMISSION, P. 1

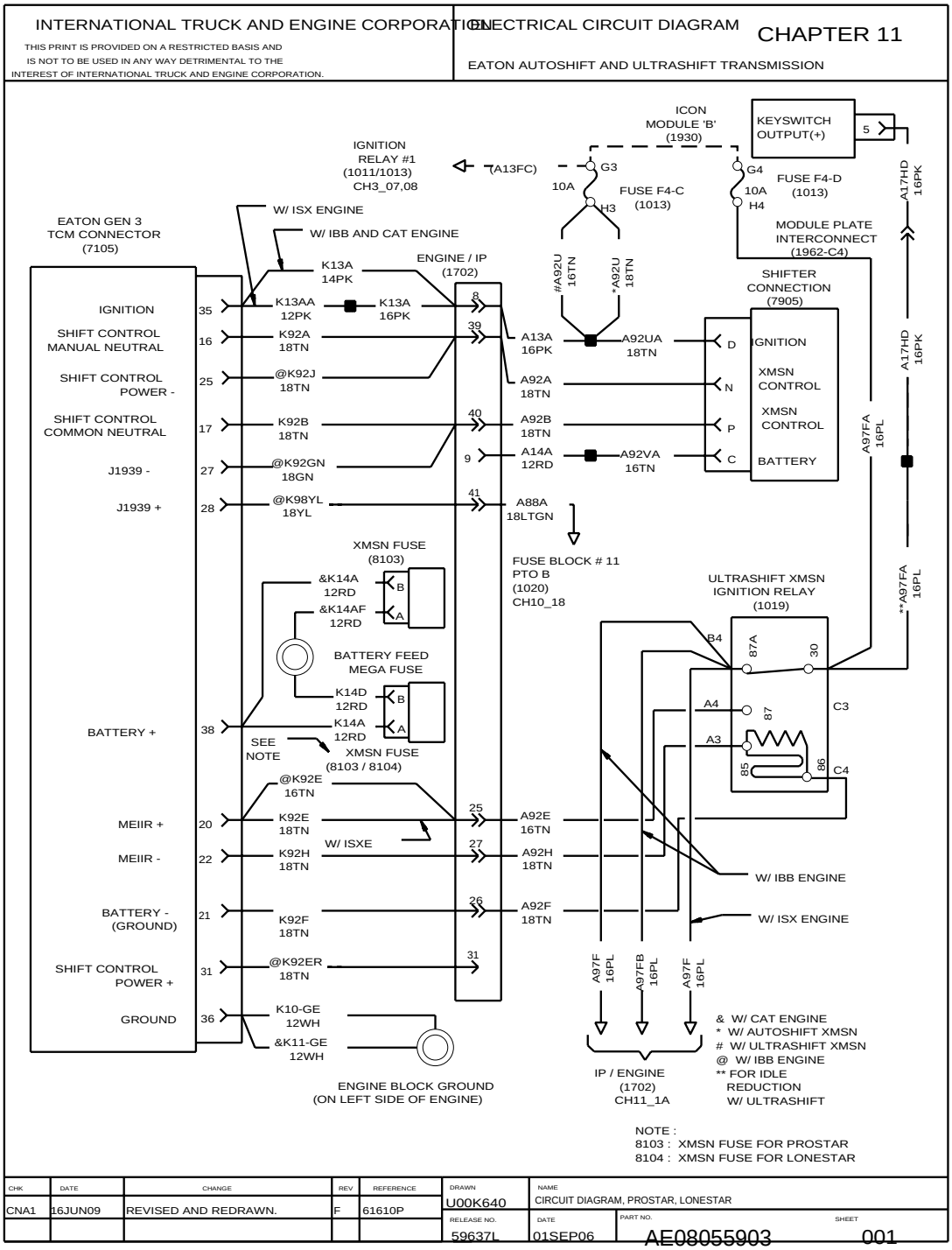

Figure 197 Eaton Autoshift and Ultrashift Transmission

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11.2. EATON AUTOSHIFT AND ULTRASHIFT TRANSMISSION, P. 1A

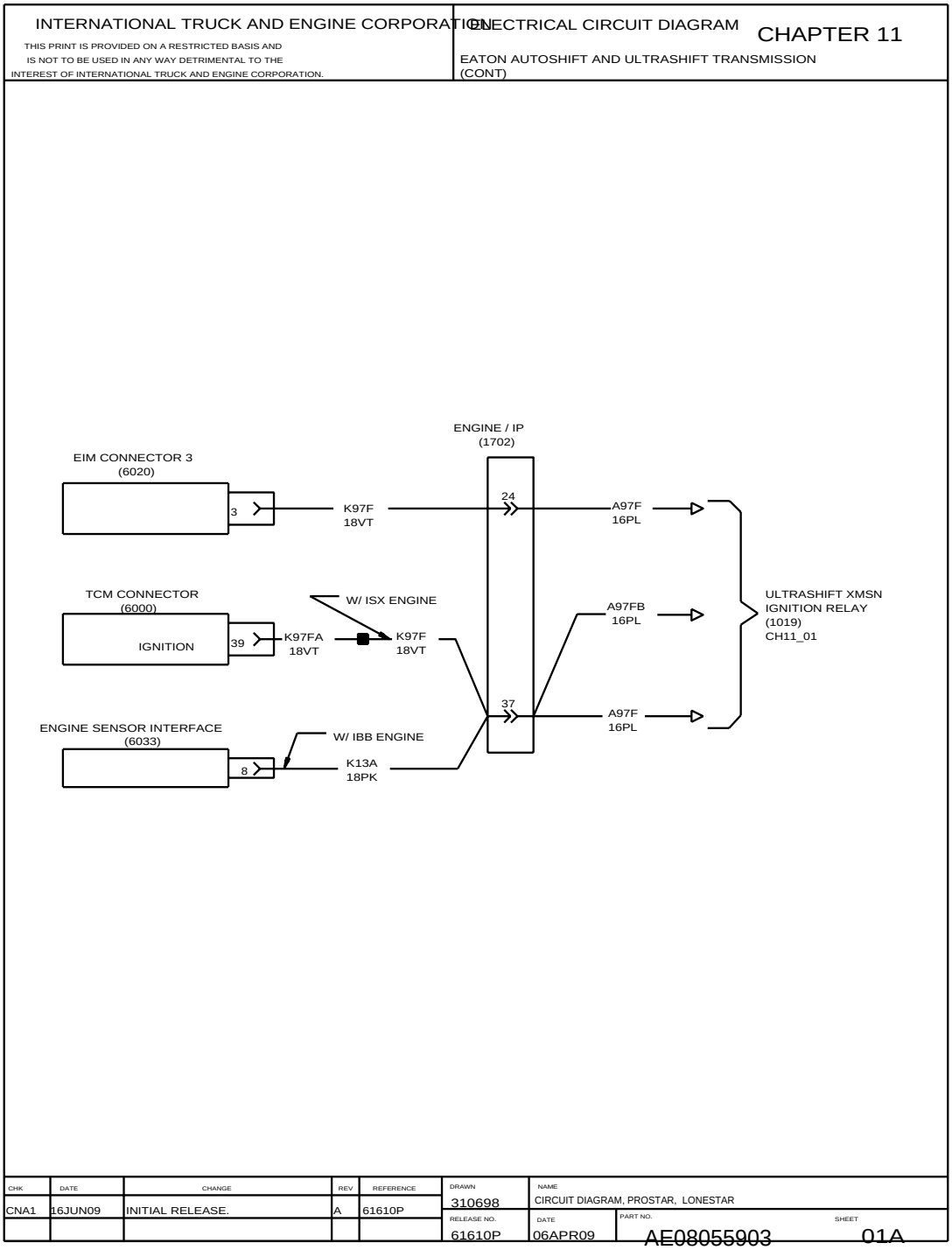

Figure 198 Eaton Autoshift and Ultrashift Transmission

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11.3. COLUMN SHIFTER AND MERITOR G TRANSMISSION, P. 2

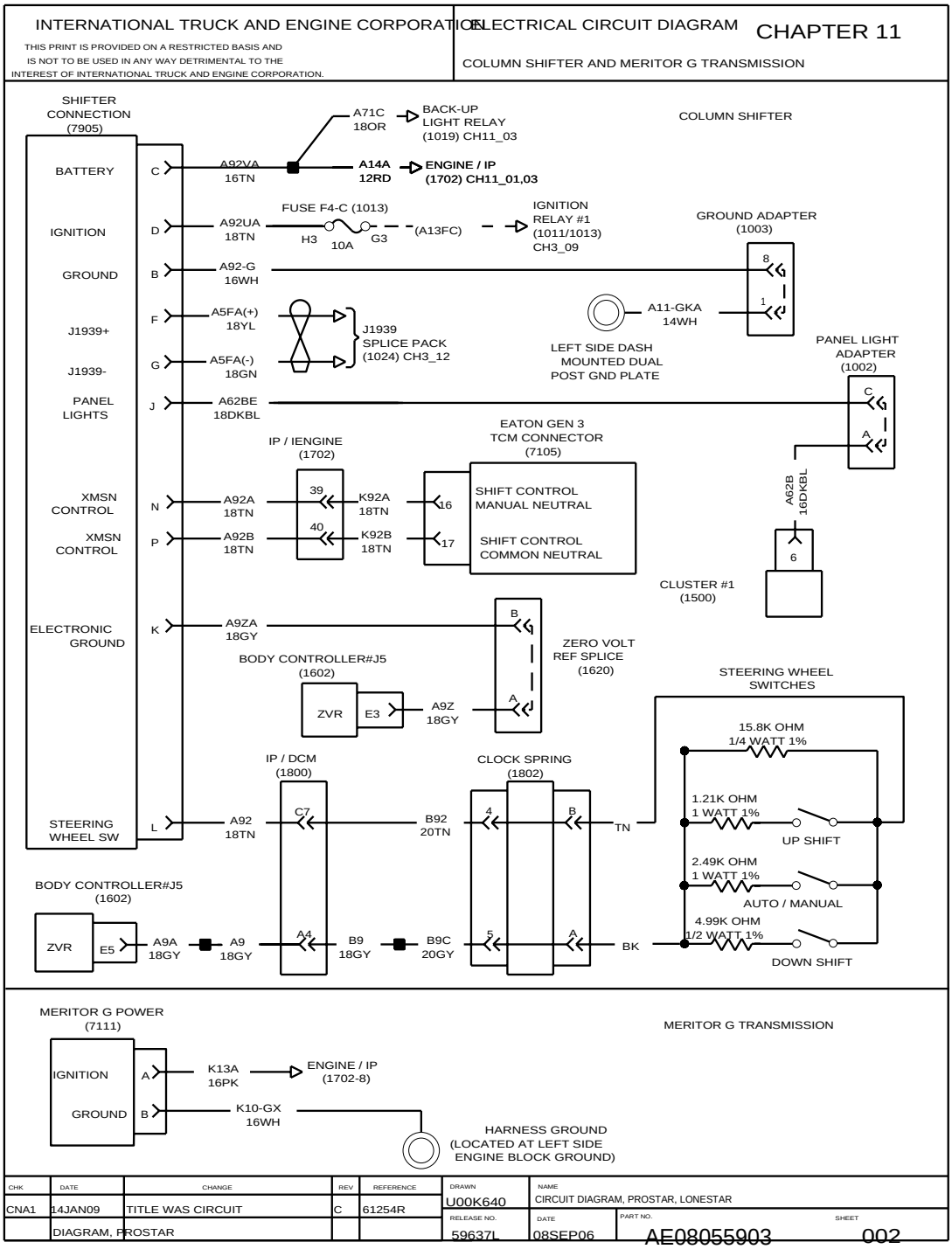

Figure 199 Column Shifter and Meritor G Transmission

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11.4. FREEDOMLINE TRANSMISSION, P. 3

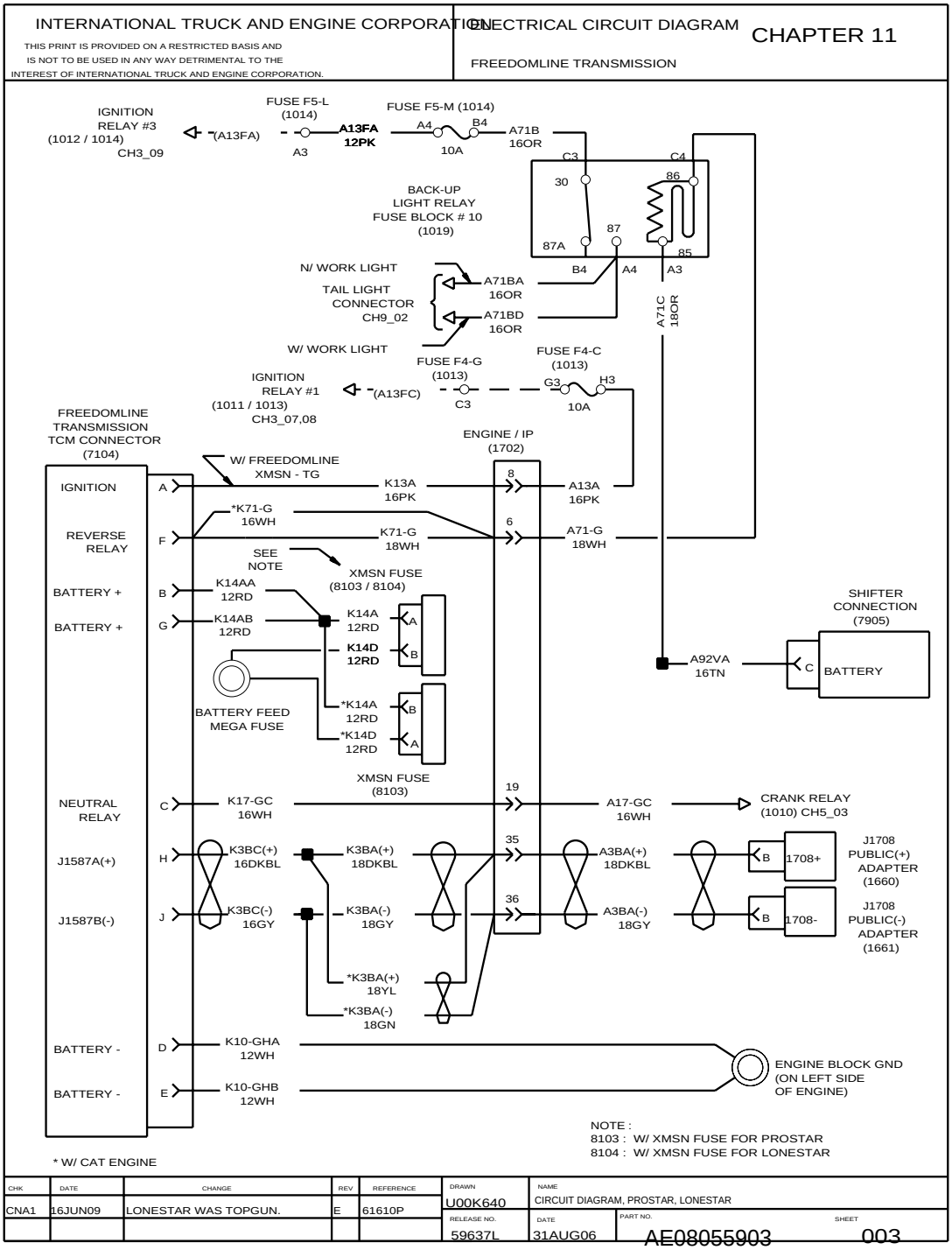

Figure 200 Freedomline Transmission

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12. HVAC (CHAPTER 12)

12.1. AIR CONDITIONING, P. 1

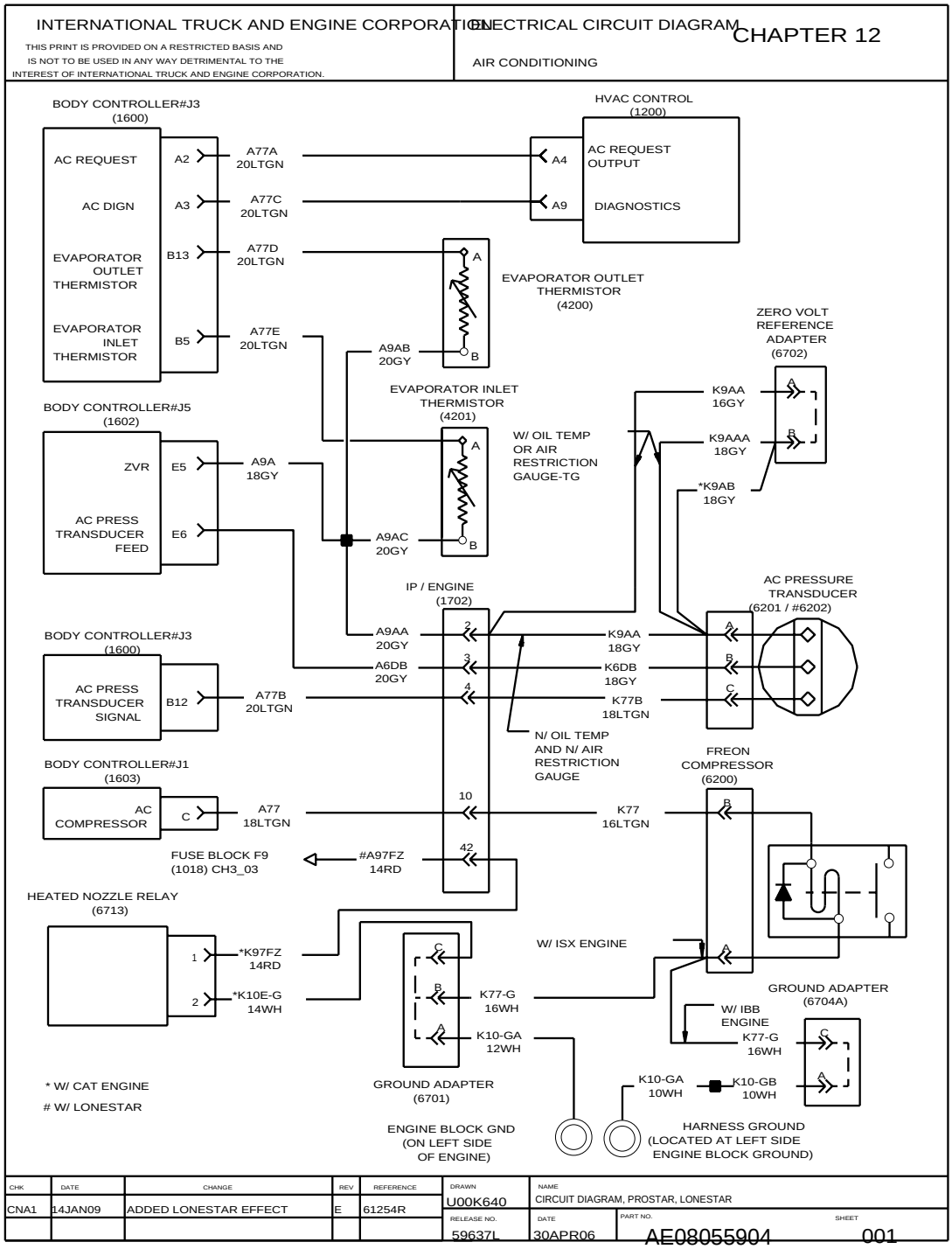

Figure 201 Air Conditioning

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12.2. HVAC SYSTEM — CAB, P. 2

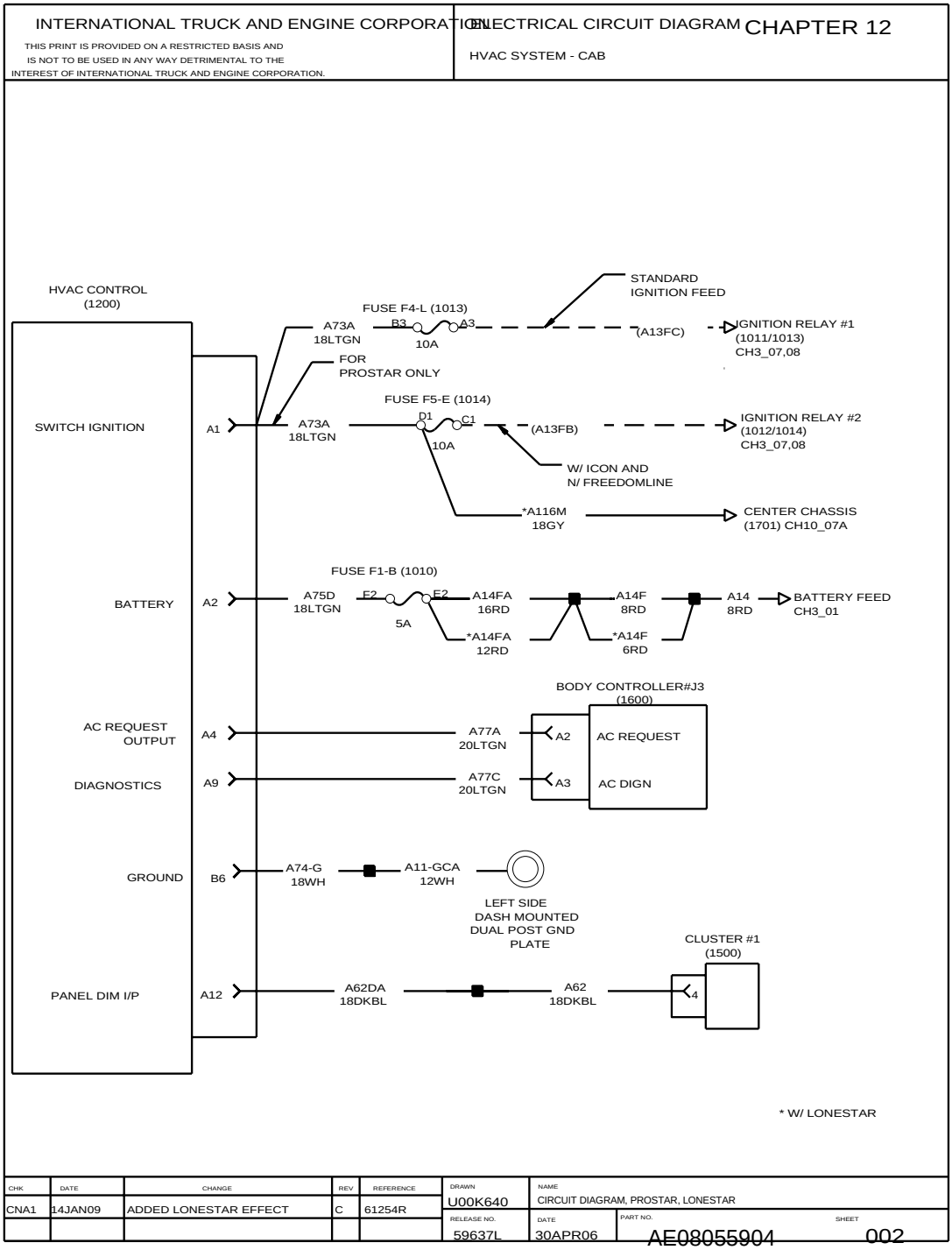

Figure 202 HVAC System — Cab

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12.3. HVAC SYSTEM — CAB, P. 3

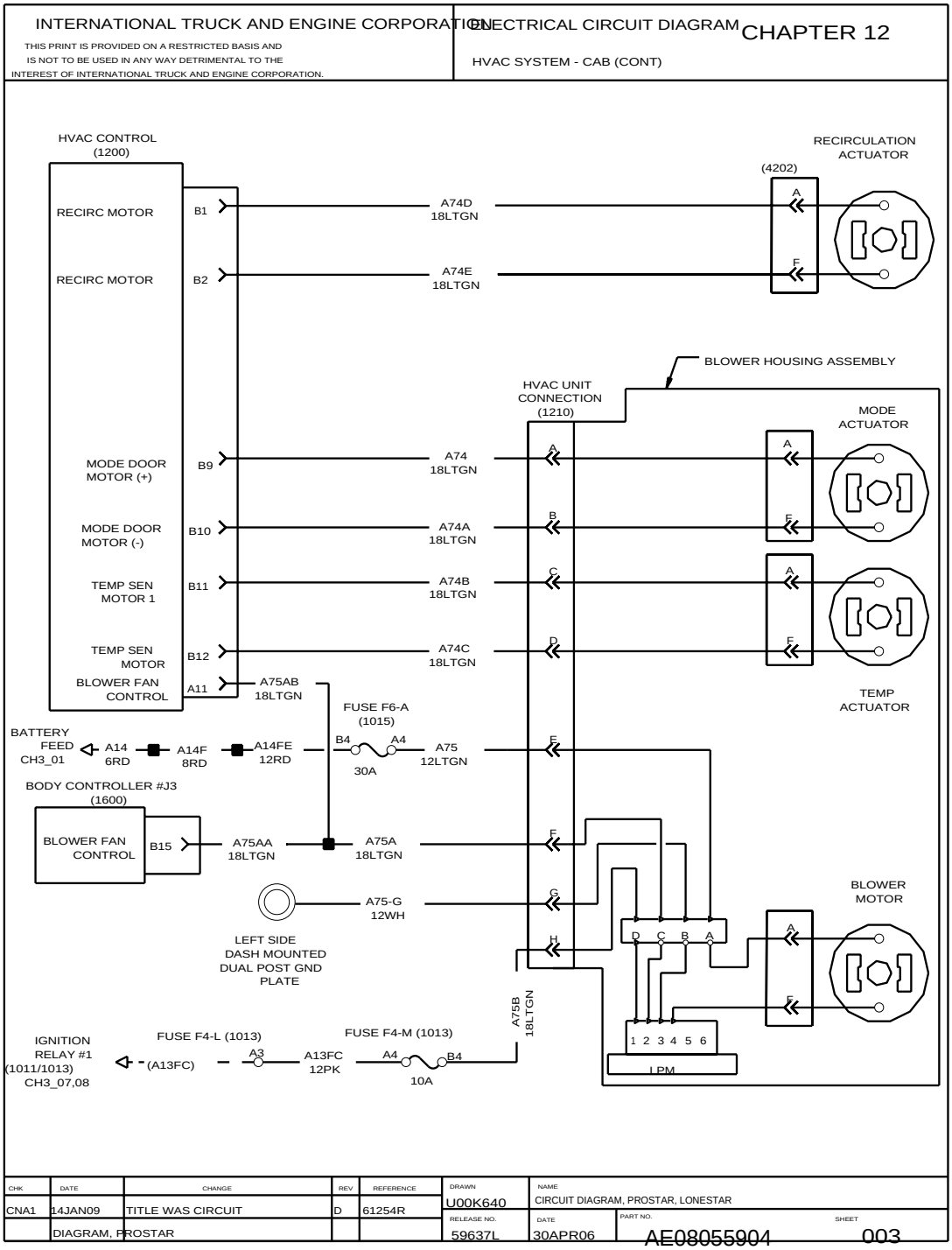

Figure 203 HVAC System — Cab

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12.4. HVAC SYSTEM — SLEEPER, P. 4

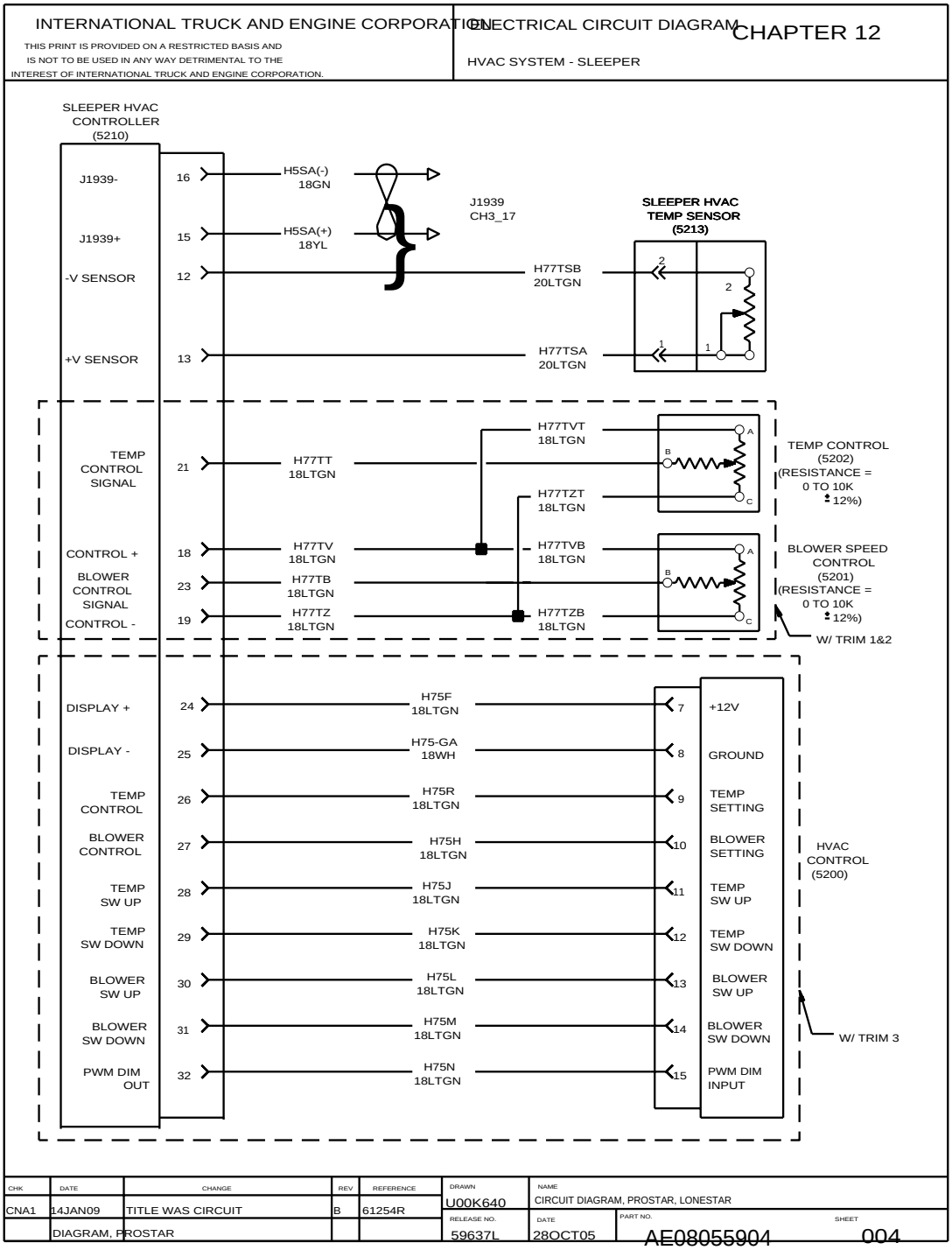

Figure 204 HVAC System — Sleeper

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12.5. HVAC SYSTEM — SLEEPER, P. 4A

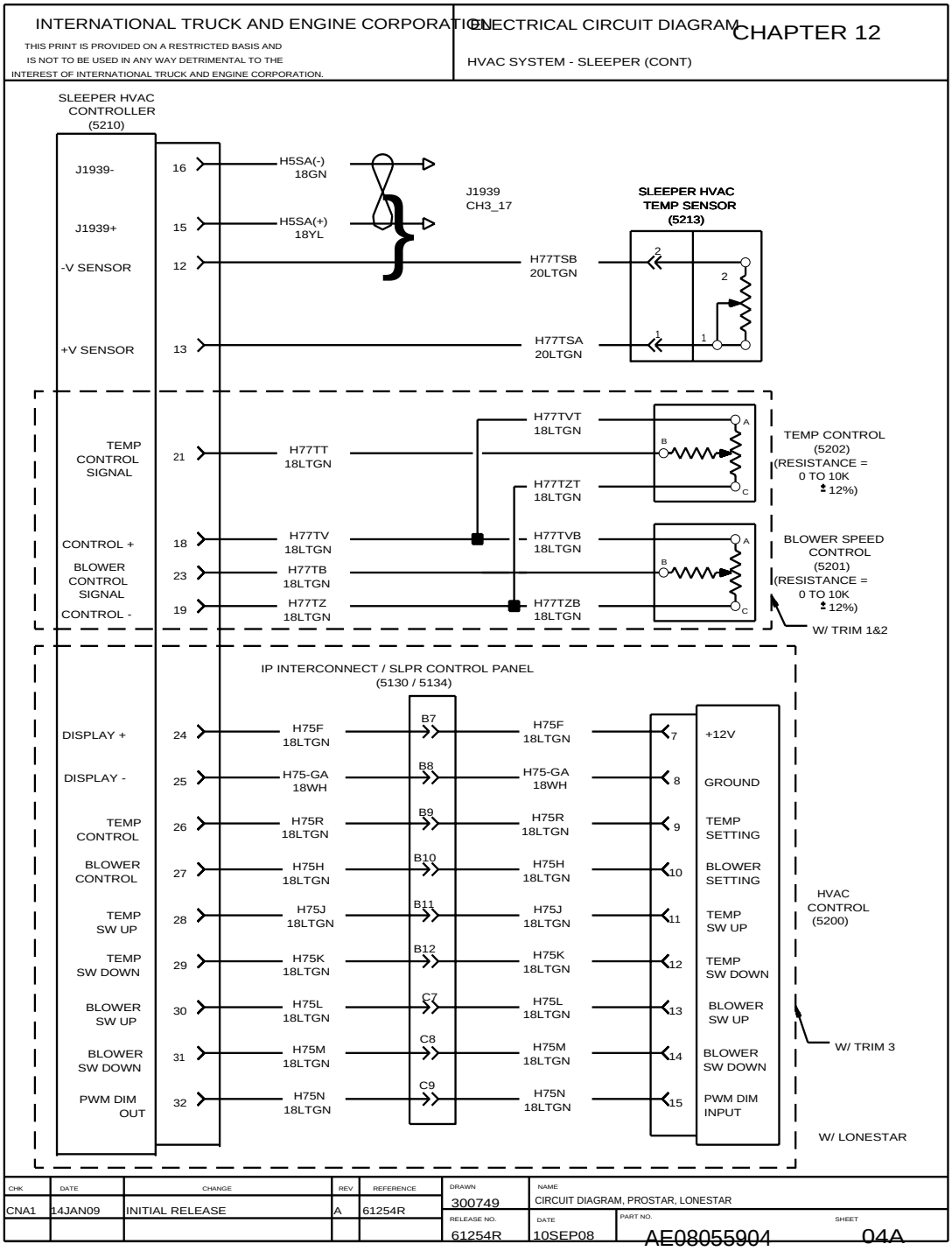

Figure 205 HVAC System — Sleeper

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12.6. HVAC SYSTEM — SLEEPER, P. 5

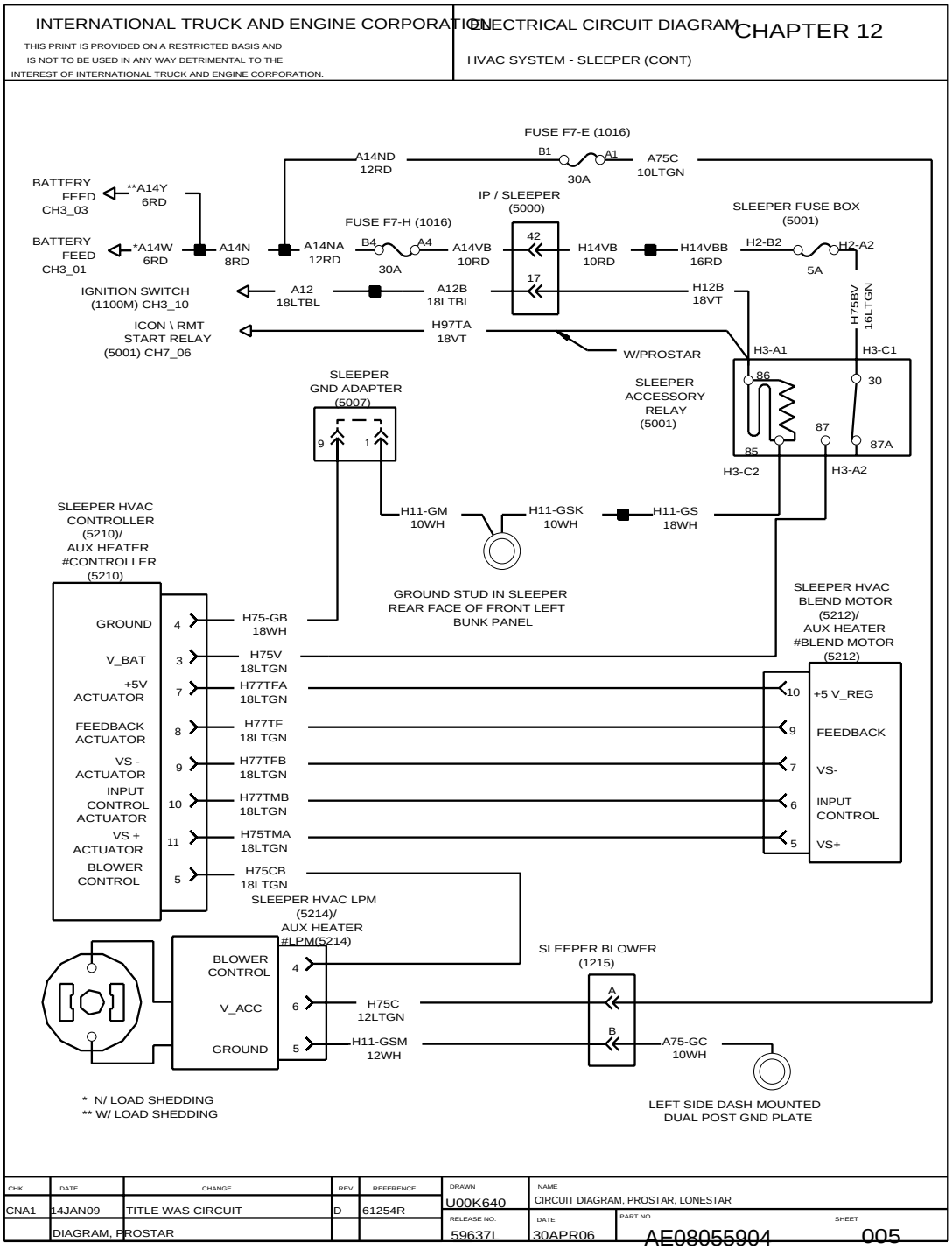

Figure 206 HVAC System — Sleeper

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12.7. NO IDLE HEAT AND HVAC — SWITCHES, P. 6

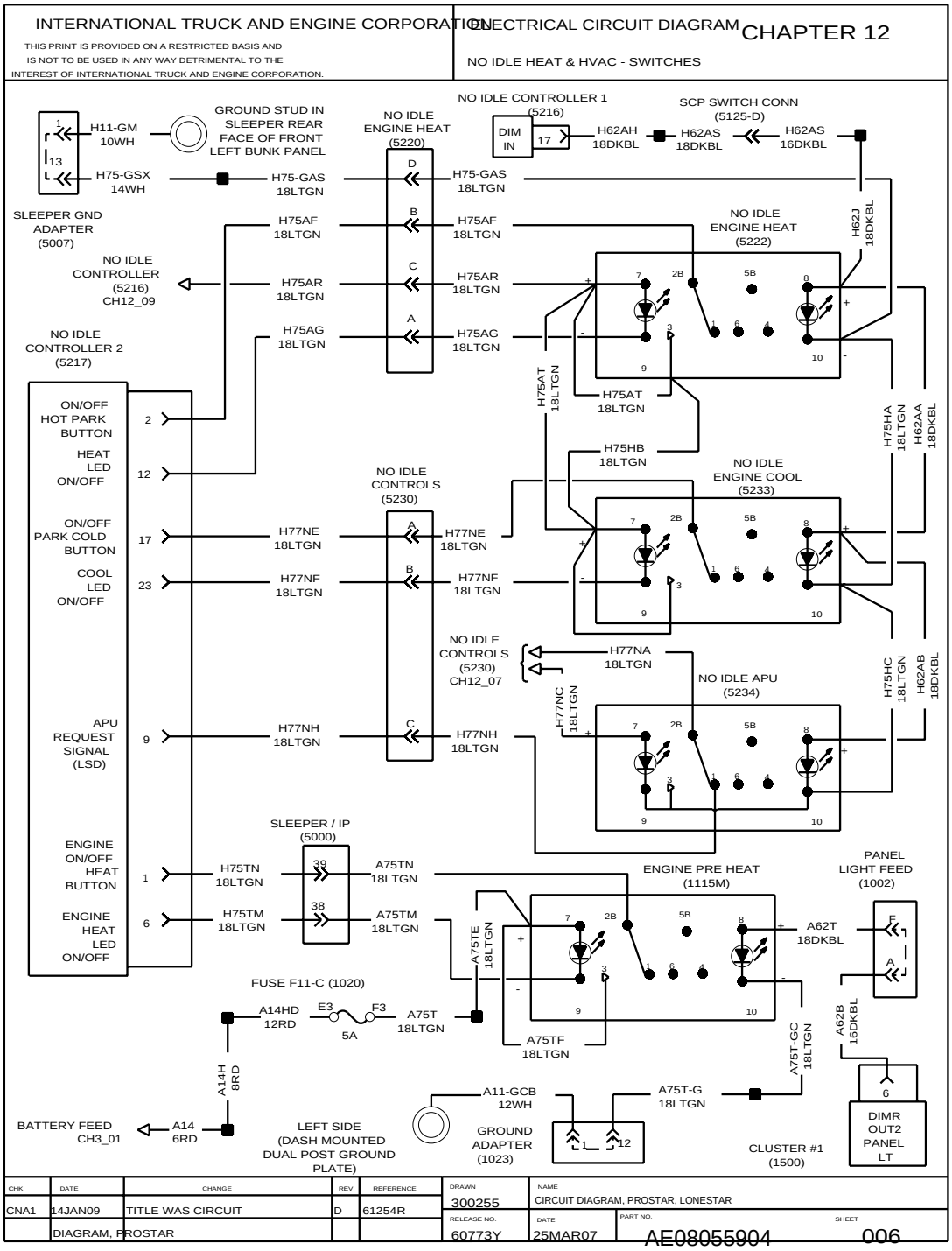

Figure 207 No Idle Heat and HVAC — Switches

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12.8. NO IDLE HEAT AND HVAC — APU, P. 7

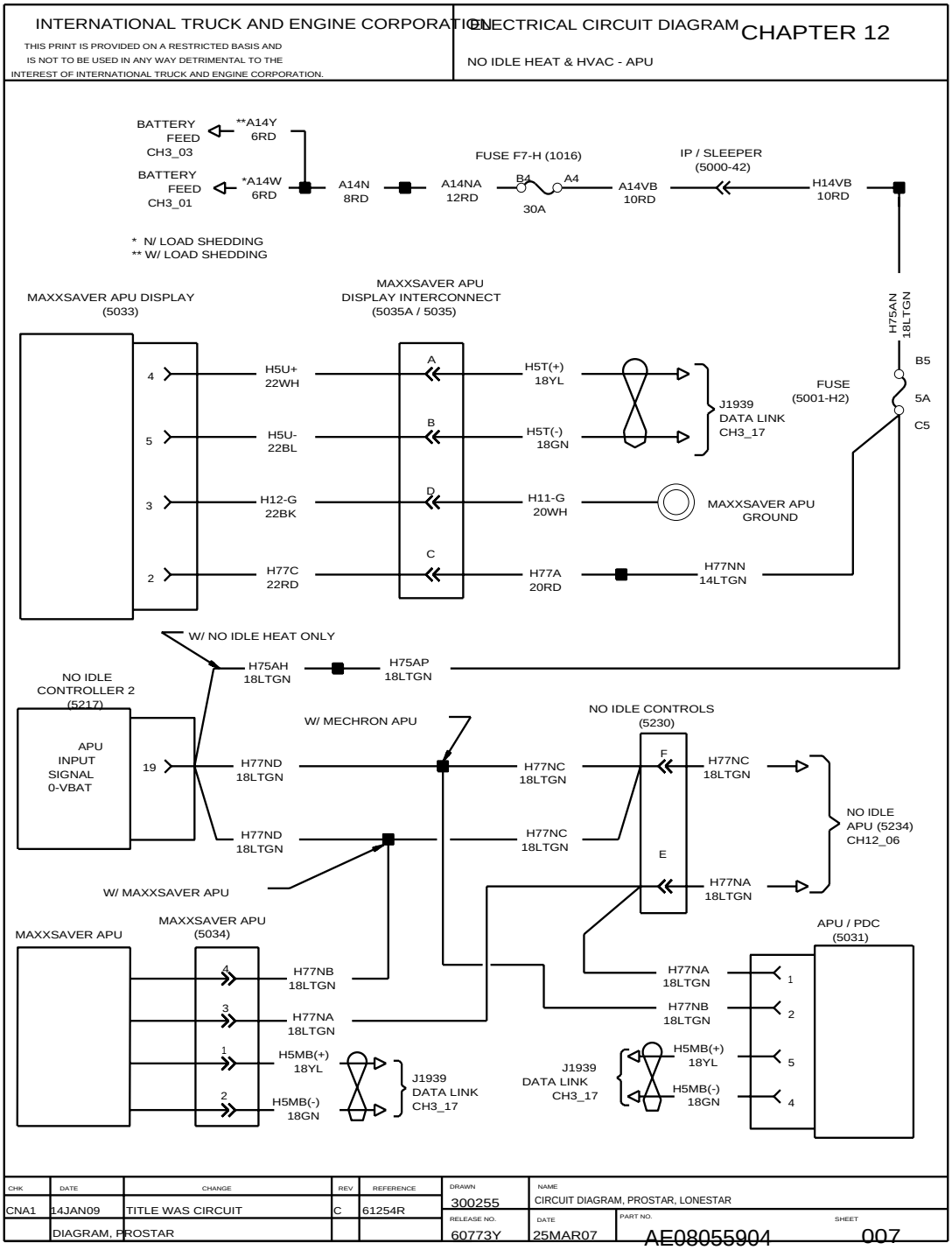

Figure 208 No Idle Heat and HVAC — APU

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12.9. NO IDLE HEAT AND HVAC — SENSORS AND HVAC CONTROL, P. 8

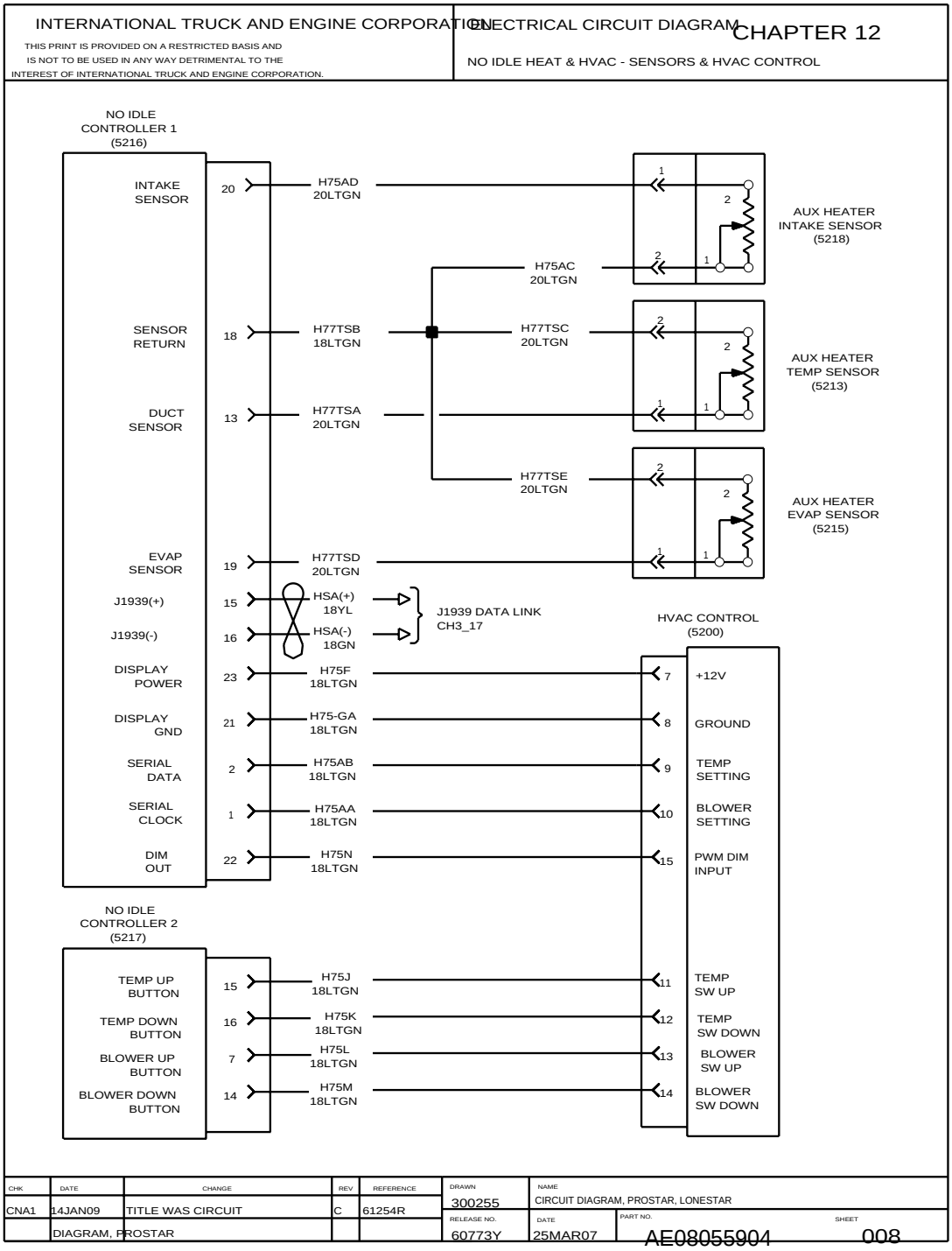

Figure 209 No Idle Heat and HVAC — Sensors and HVAC Control

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12.10. NO IDLE HEAT AND HVAC — POWER SUPPLY, P. 9

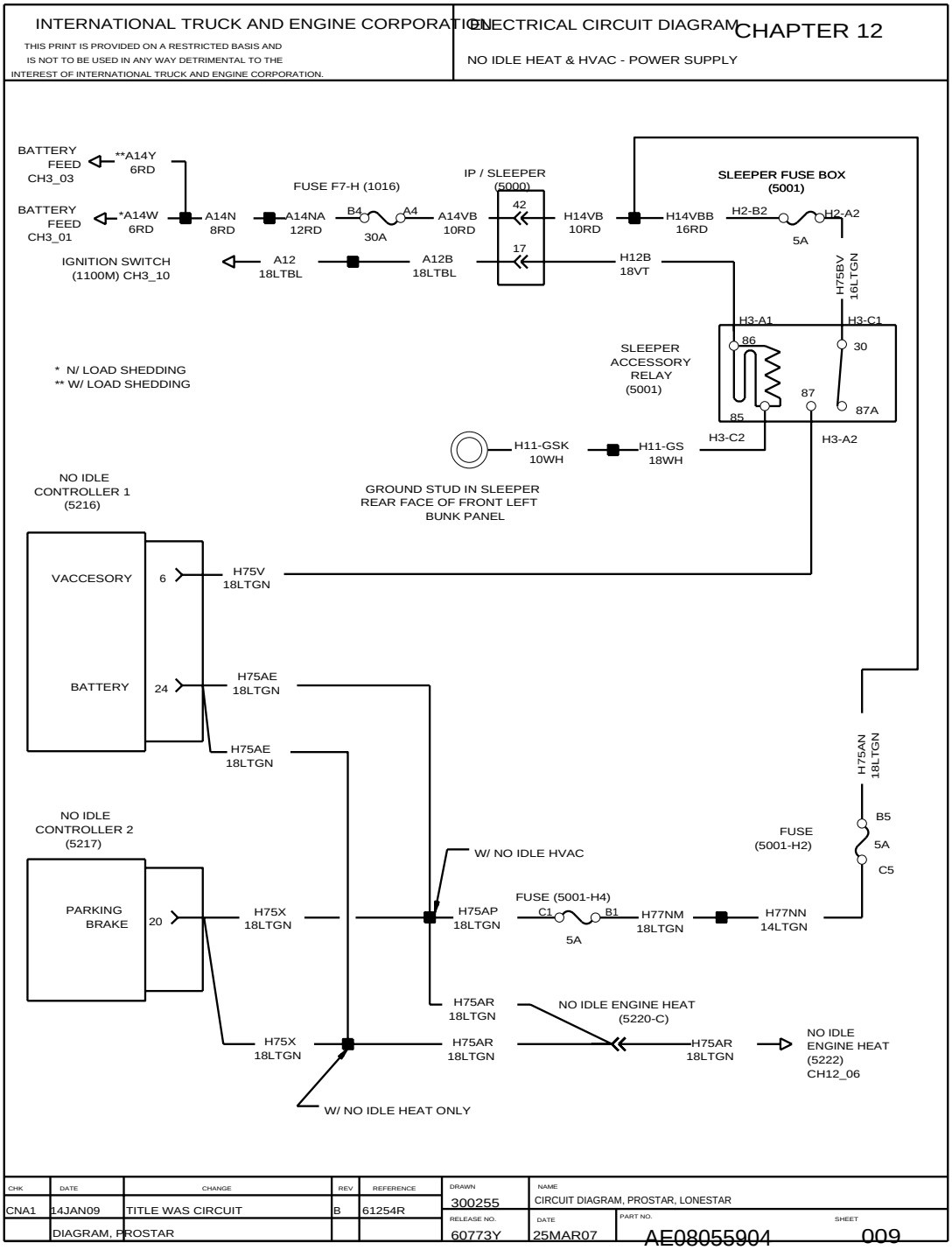

Figure 210 No Idle Heat and HVAC — Power Supply

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12.11. NO IDLE HEAT AND HVAC — HEAT VALVE, LPM AND BLEND MOTOR, P. 10

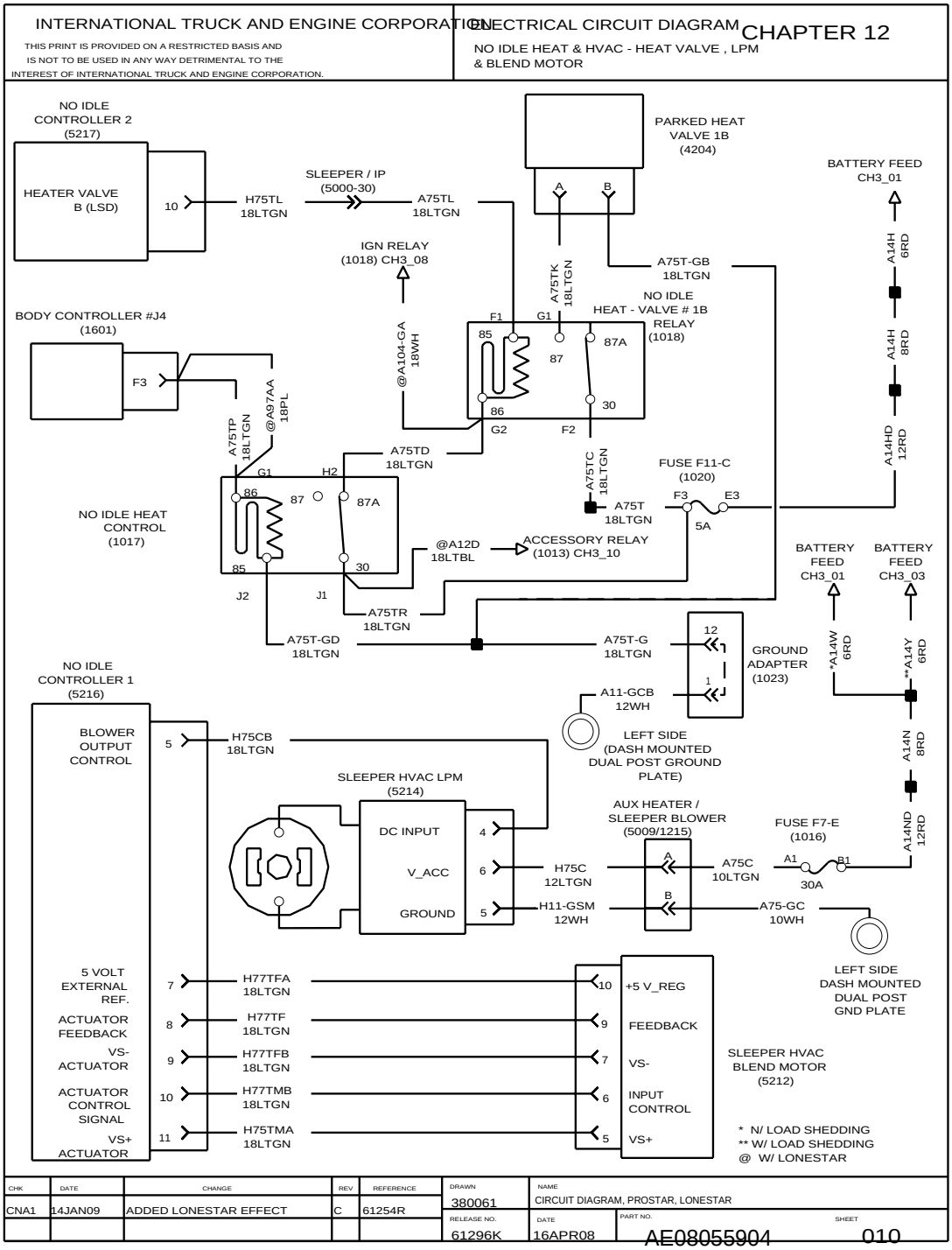

Figure 211 No Idle Heat and HVAC — Heat Valve, LPM and Blend Motor

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12.12. NO IDLE HEAT AND HVAC — FUEL FIRED HEATER AND A/C COMPRESSOR, P. 11

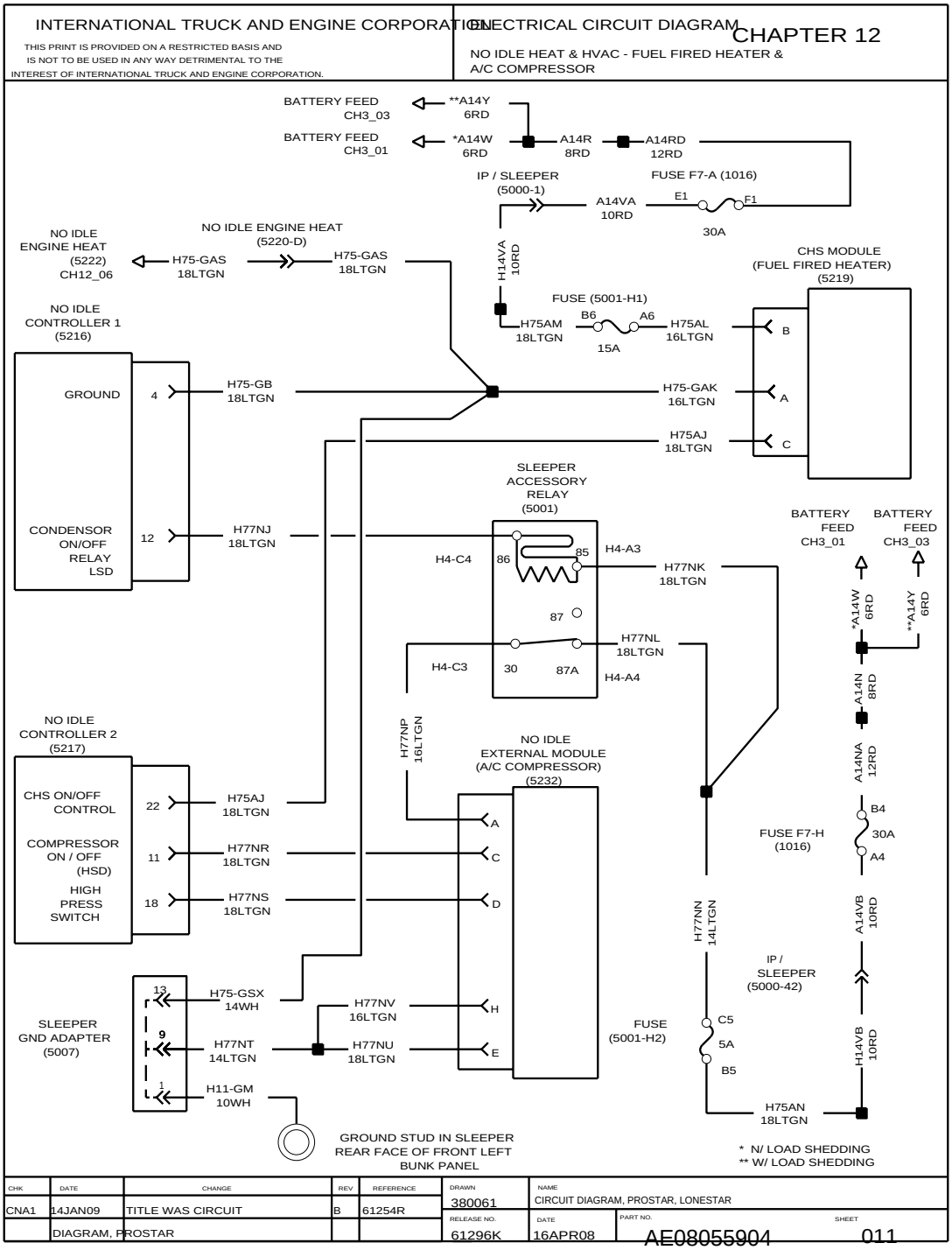

Figure 212 No Idle Heat and HVAC — Fuel Fired Heater and A/C Compressor

https://truckmanualshub.com/

12.13. NO IDLE HEATER, WEBASTO IN CAB FUEL FIRED HEATER W/LVD, P. 12

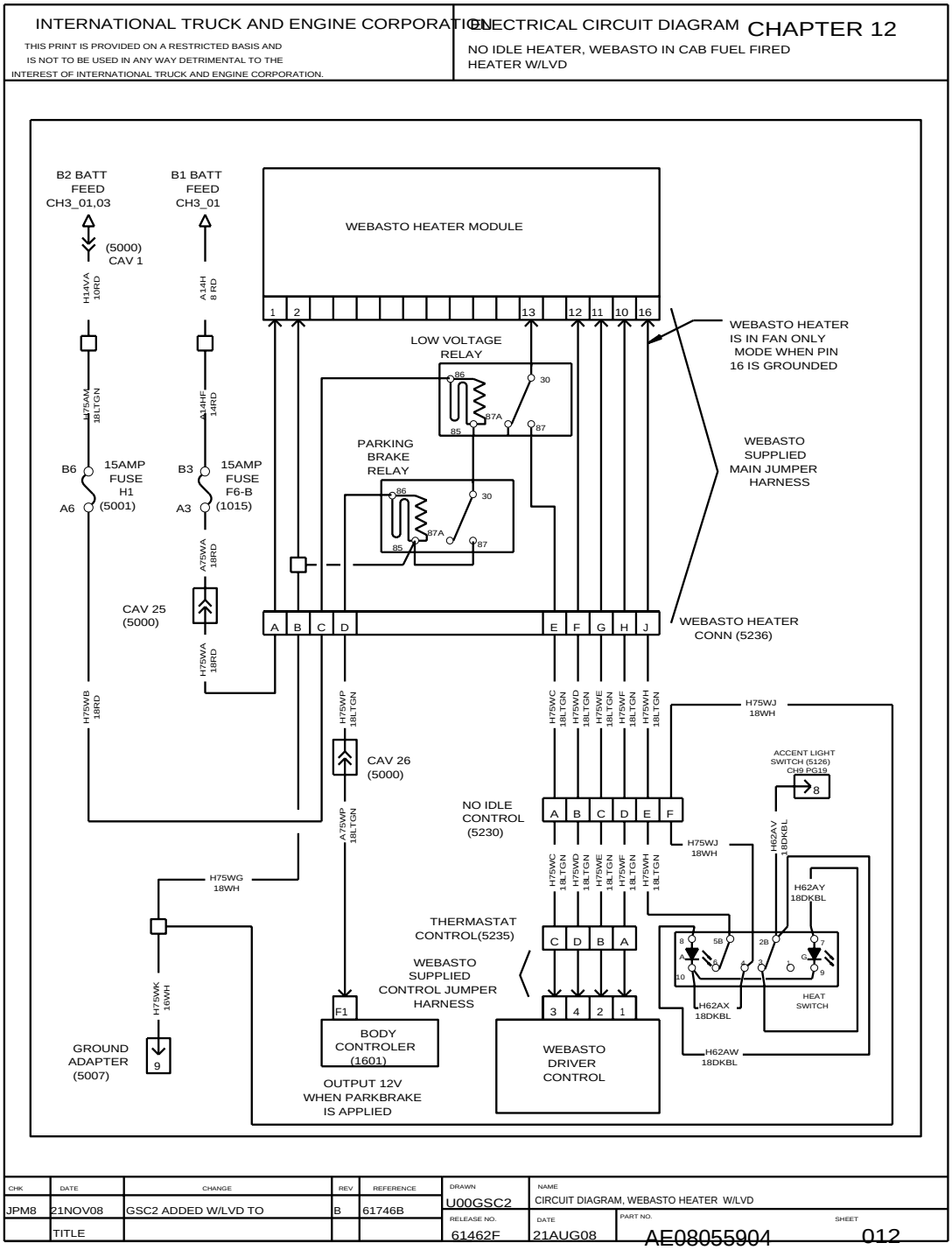

Figure 213 No Idle Heater, Webasto in Cab Fuel Fired Heater w/LVD

https://truckmanualshub.com/

12.14. NO IDLE HEATER, ESPAR IN CAB FUEL FIRED HEATER, P. 13

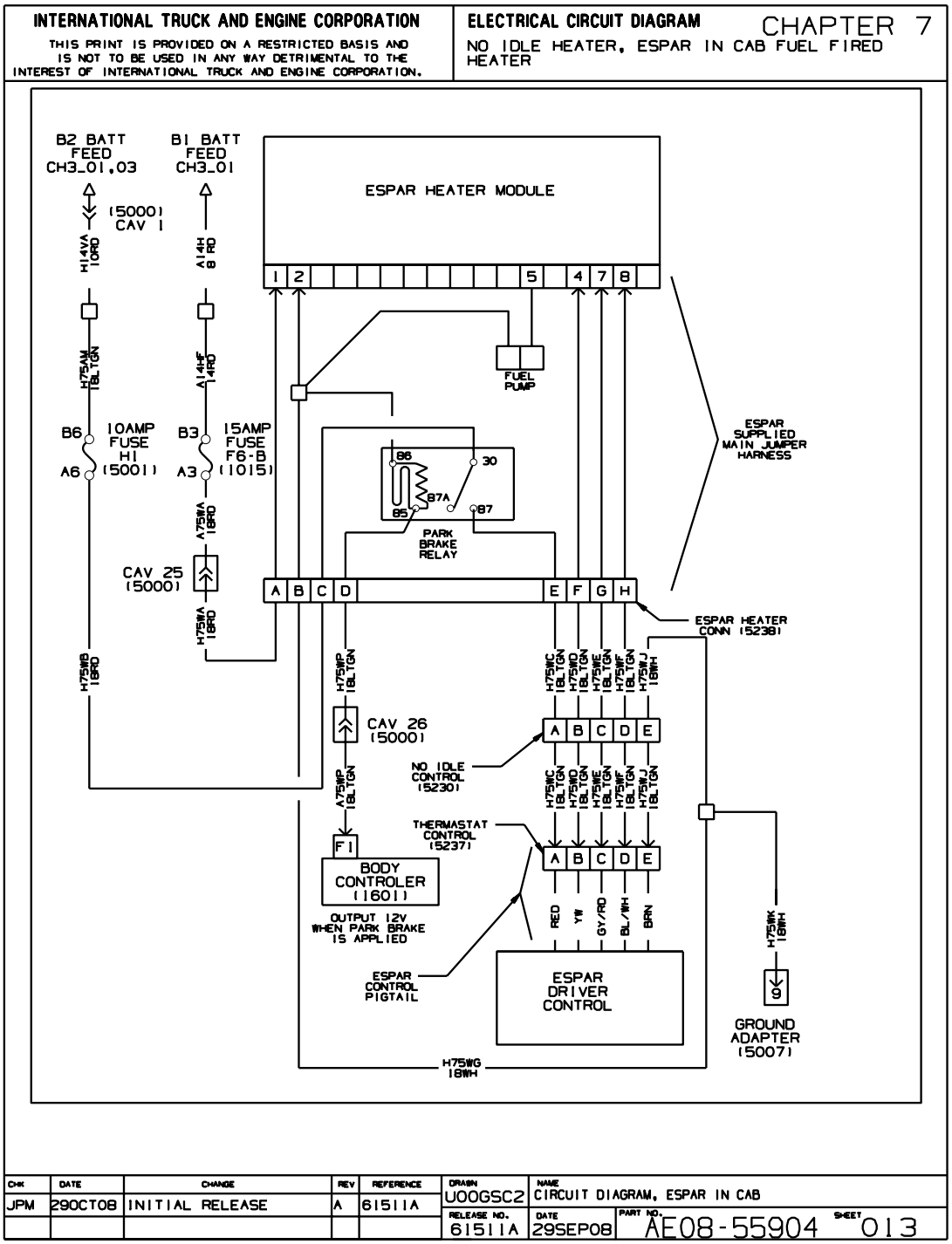

Figure 214 No Idle Heater, Espar in Cab Fuel Fired Heater

https://truckmanualshub.com/

12.15. HVAC SYSTEM — SLEEPER W/BERGSTROM NO IDLE, P. 14

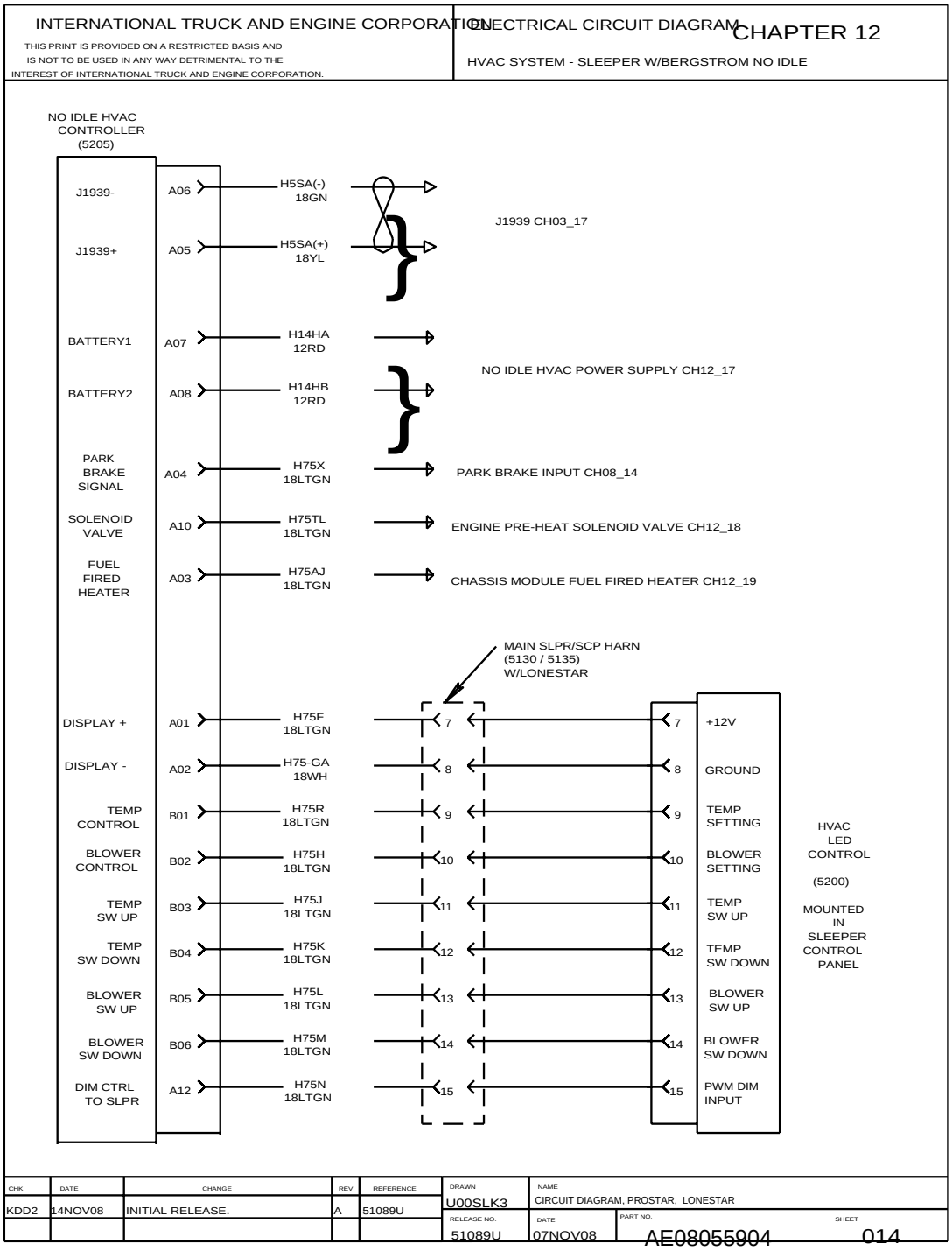

Figure 215 HVAC System — Sleeper w/Bergstrom No Idle

https://truckmanualshub.com/

12.16. NO IDLE HVAC W/BERGSTROM HVAC SWITCHES — LOCATED IN SLEEPER CONTROL PANEL, P. 15

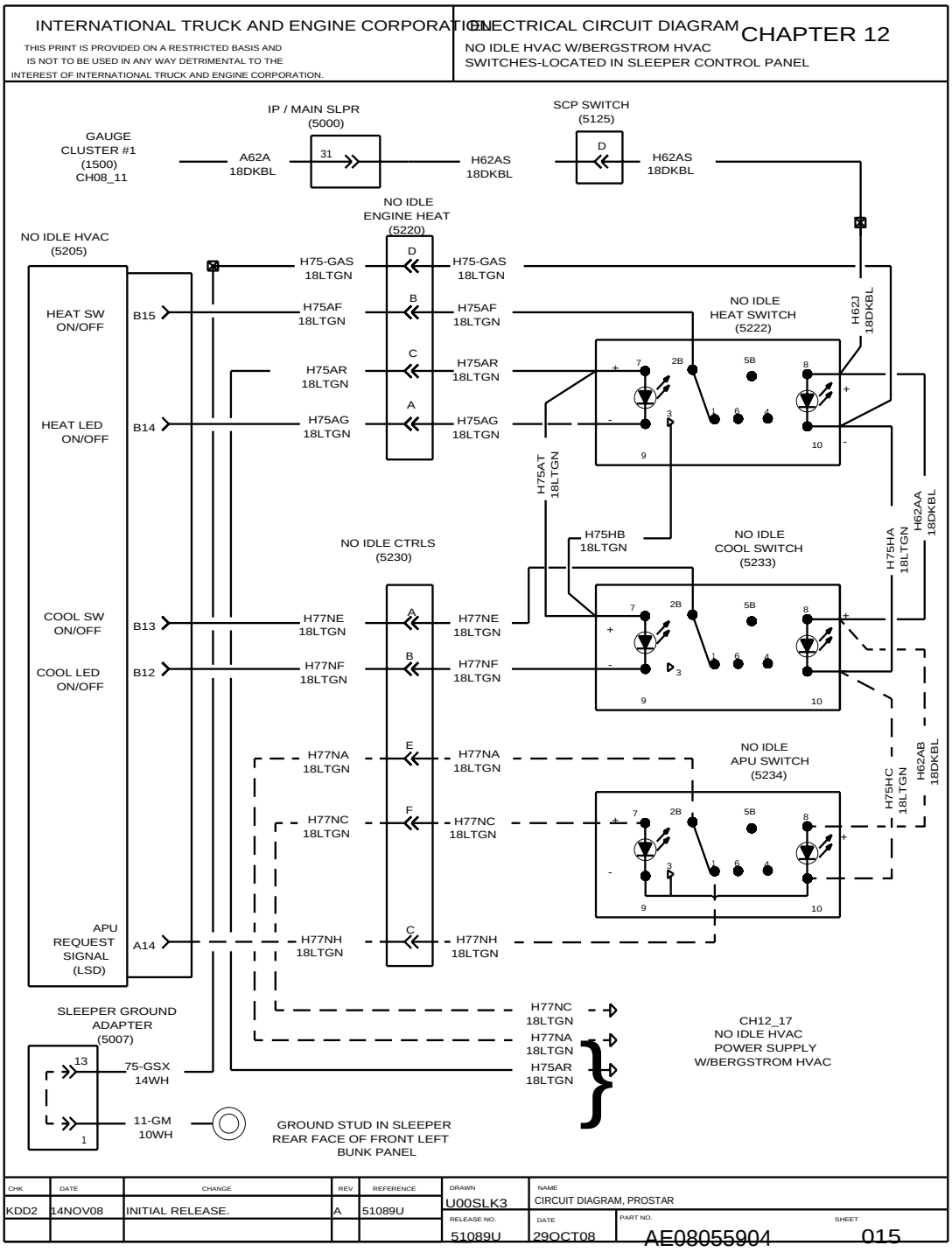

Figure 216 No Idle HVAC w/Bergstrom HVAC Switches — Located in Sleeper Control Panel

https://truckmanualshub.com/

12.17. NO IDLE HVAC W/BERGSTROM HVAC SWITCHES — LOCATED IN SLEEPER CONTROL PANEL, P. 16

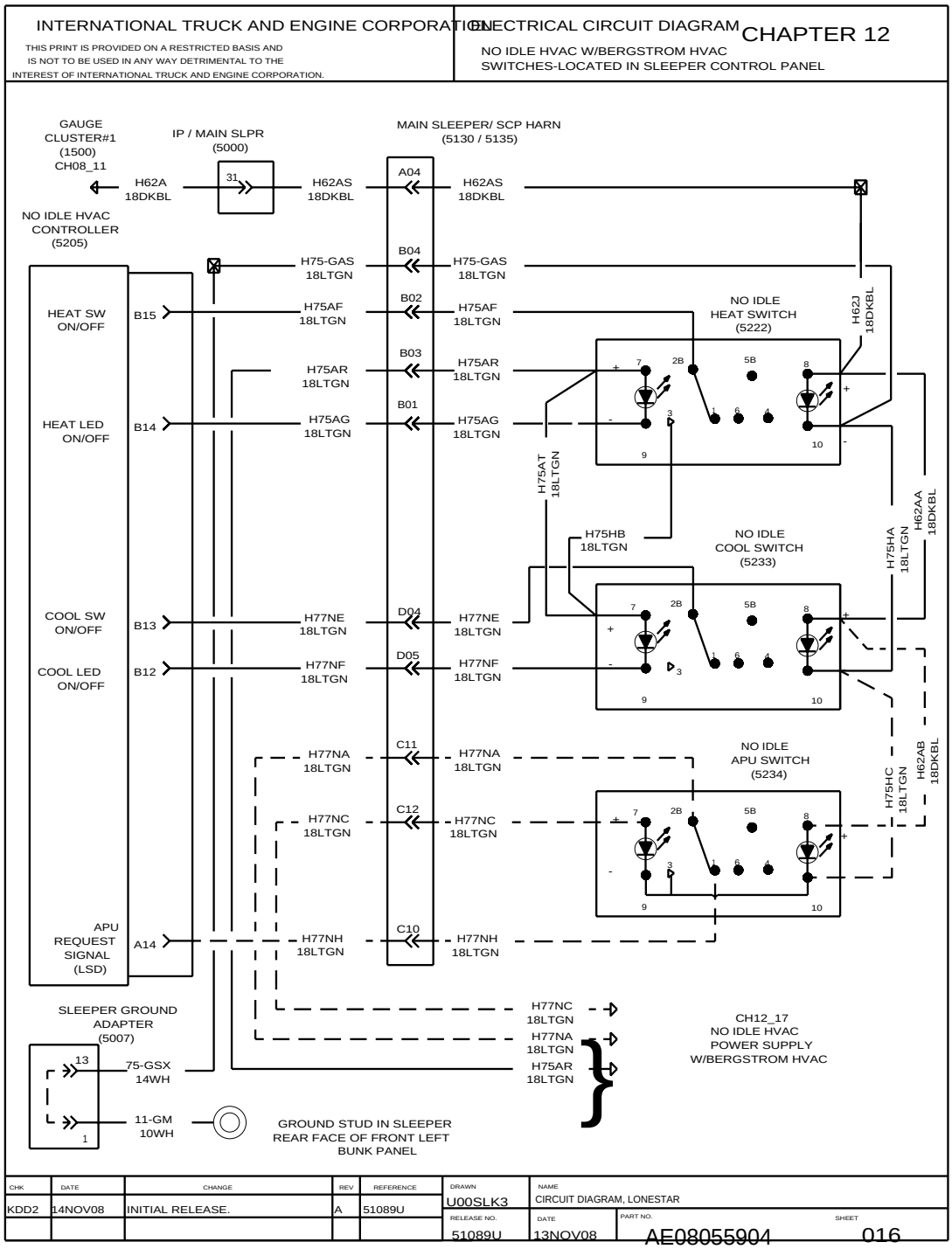

Figure 217 No Idle HVAC w/Bergstrom HVAC Switches — Located in Sleeper Control Panel

https://truckmanualshub.com/

12.18. NO IDLE HVAC W/BERGSTROM HVAC POWER SUPPLY, P. 17

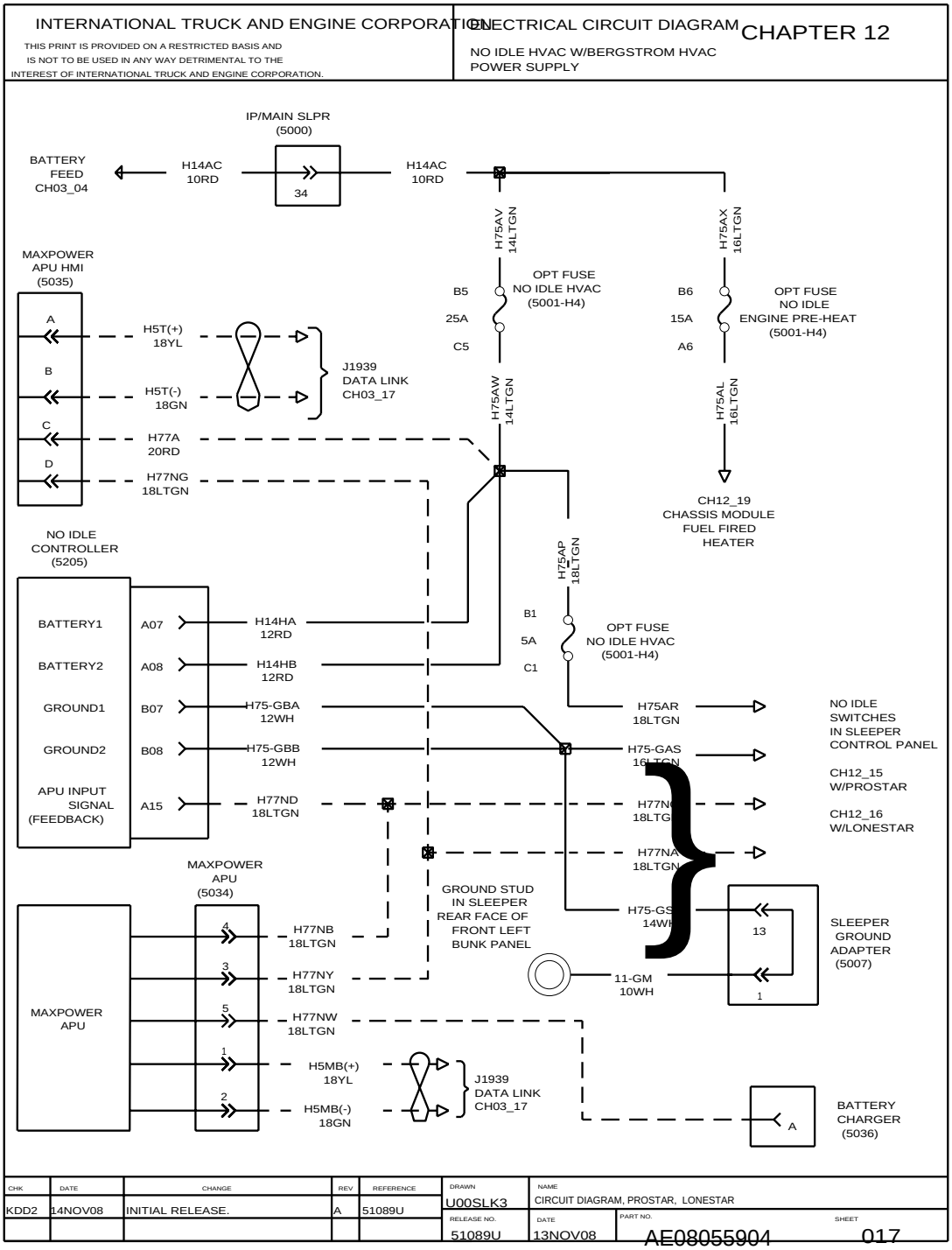

Figure 218 No Idle HVAC w/Bergstrom HVAC Power Supply

https://truckmanualshub.com/

12.19. NO IDLE HVAC W/BERGSTROM ENGINE PRE-HEAT VALVE, P. 18

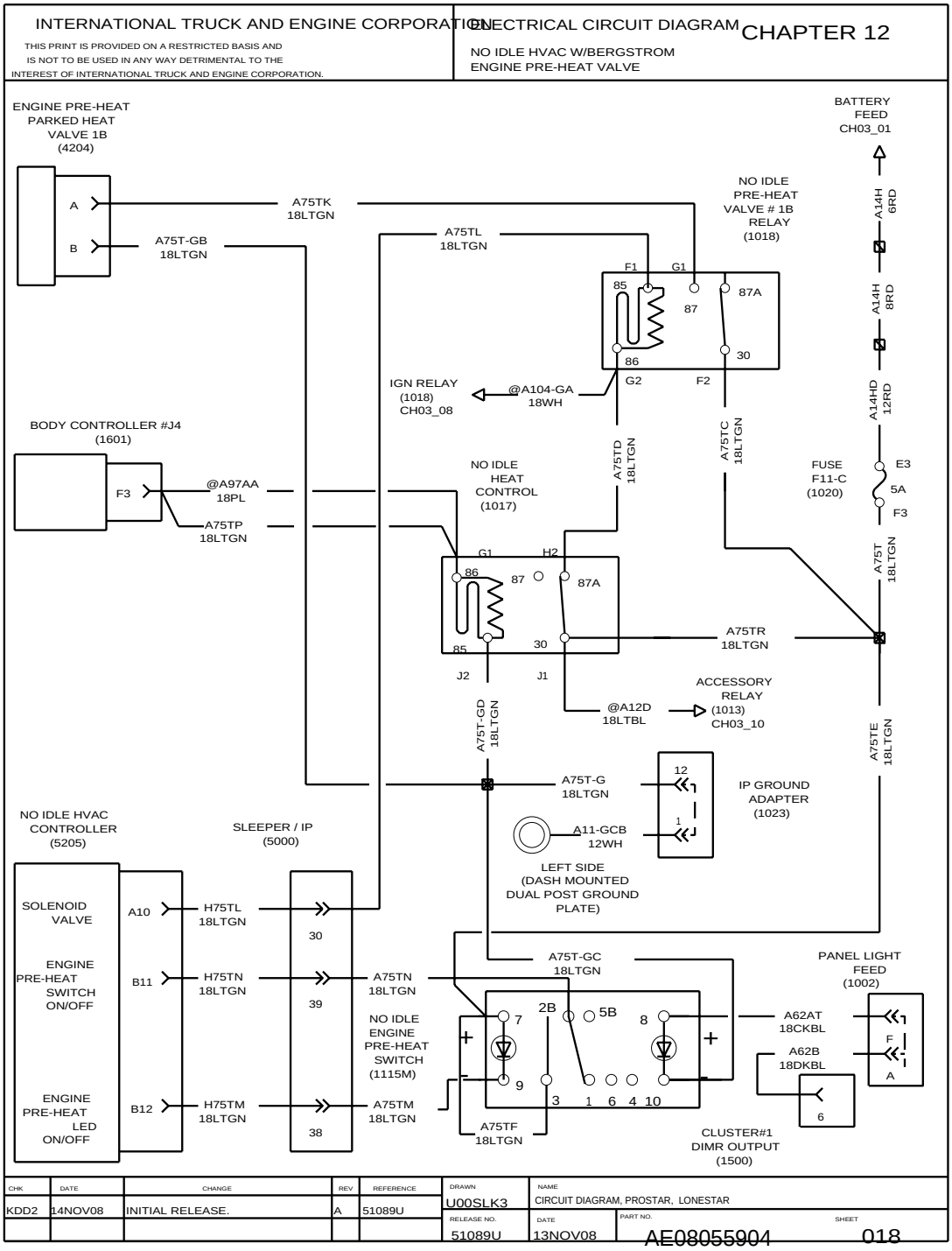

Figure 219 No Idle HVAC w/Bergstrom Engine Pre-Heat Valve

https://truckmanualshub.com/

12.20. NO IDLE HVAC W/BERGSTROM FUEL FIRED HEATER, P. 19

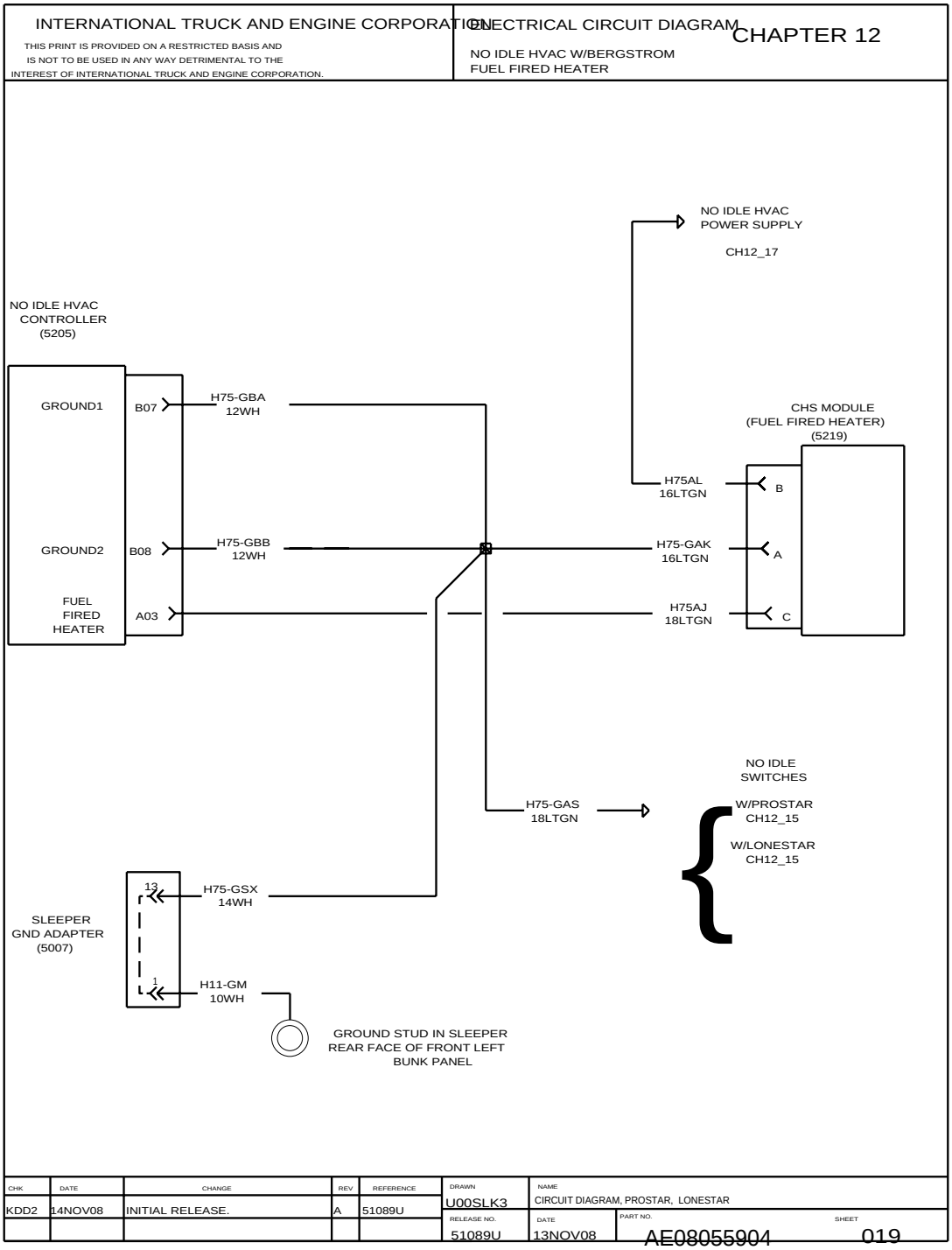

Figure 220 No Idle HVAC w/Bergstrom Fuel Fired Heater

https://truckmanualshub.com/

12.21. NO IDLE HEATER, WEBASTO IN CAB FUEL FIRED HEATER N/LVD, P. 21

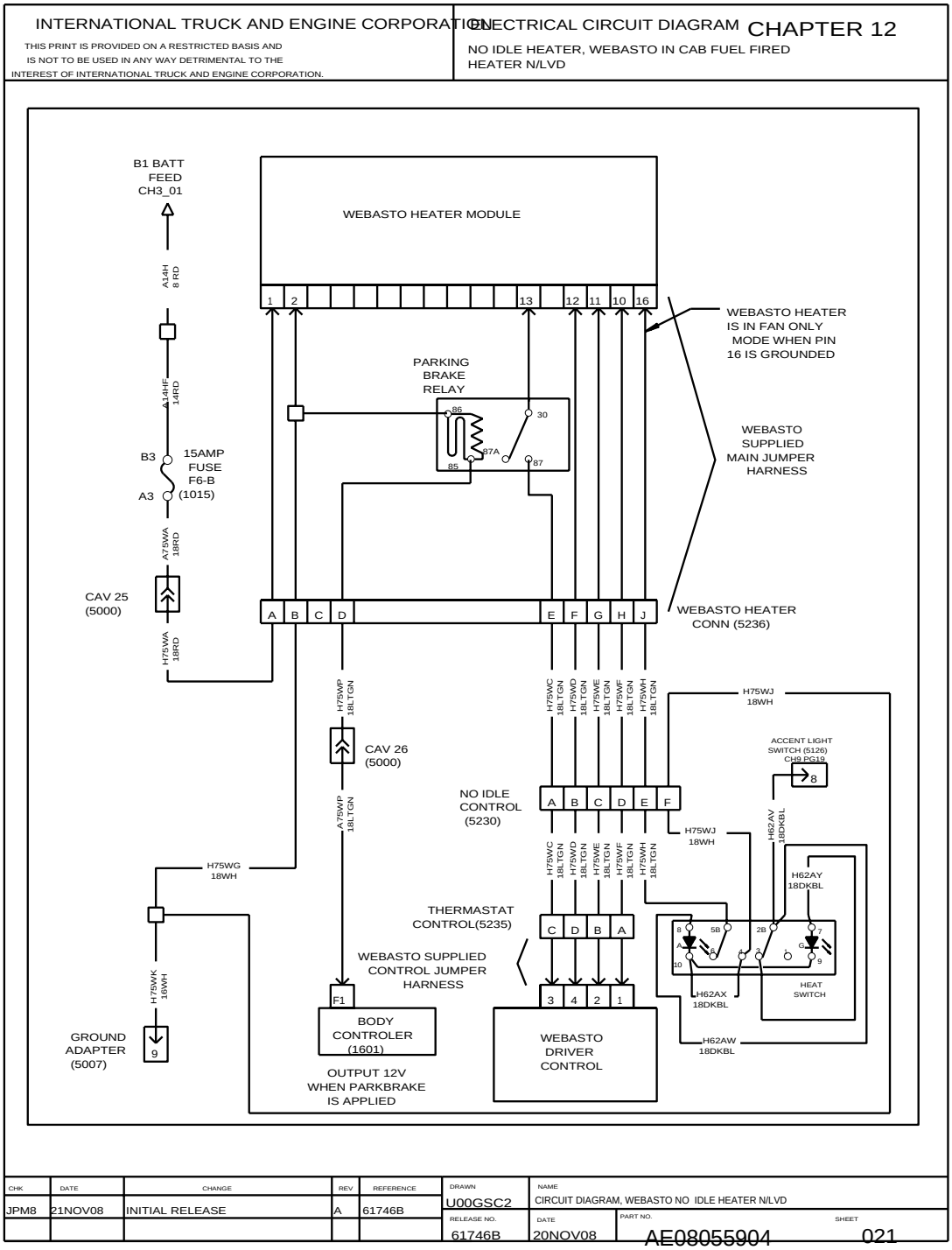

Figure 221 No Idle Heater, Webasto in Cab Fuel Fired Heater n/LVD

https://truckmanualshub.com/

13. BUNK LIGHTS AND ACCESSORIES (CHAPTER 13)

13.1. READING AND WARDROBE LIGHTS — BUNK, P. 1

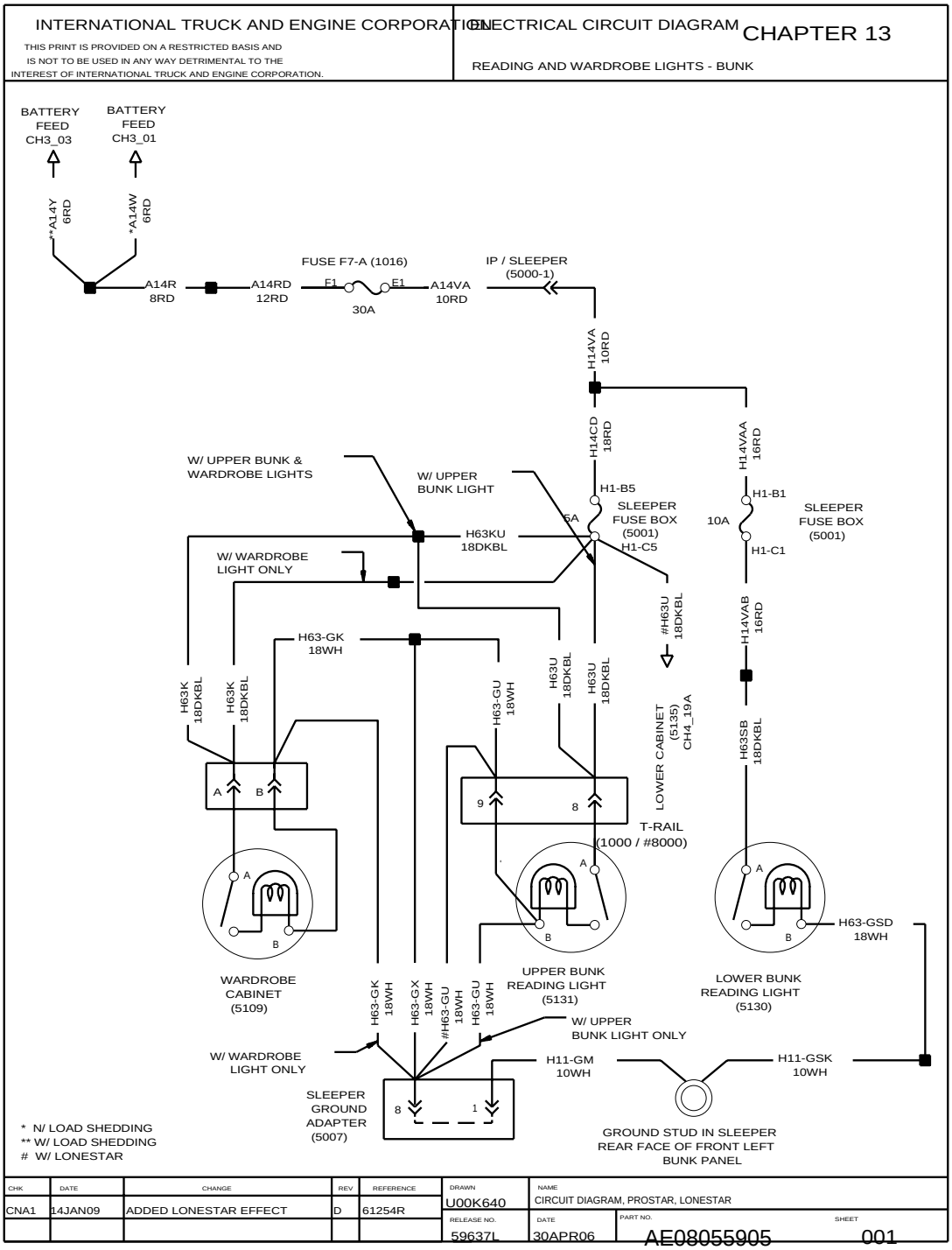

Figure 222 Reading and Wardrobe Lights — Bunk

https://truckmanualshub.com/

13.2. LUGGAGE COMPARTMENT LIGHTS — BUNK, P. 2

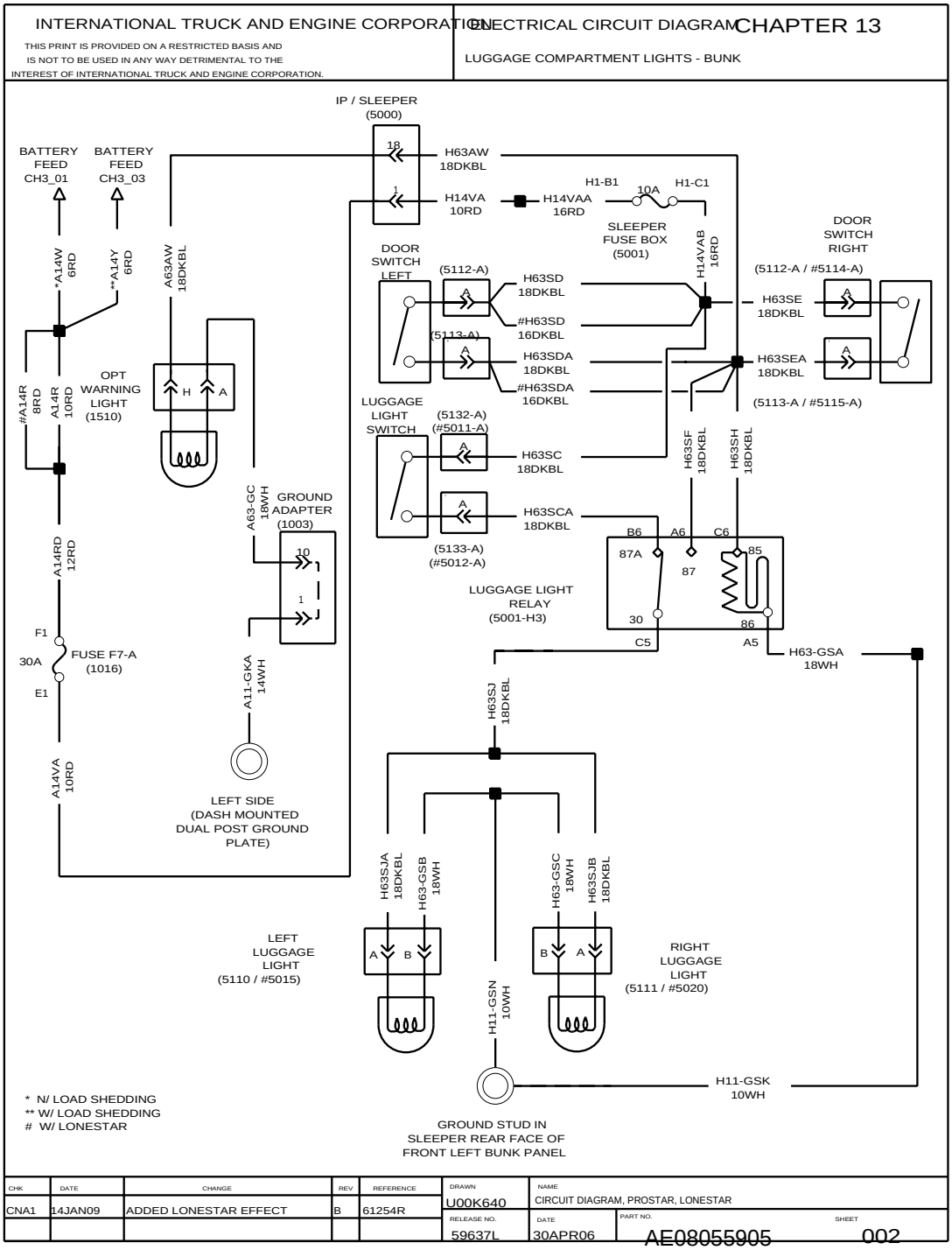

Figure 223 Luggage Compartment Lights — Bunk

https://truckmanualshub.com/

13.3. POWER SOURCE — BUNK, P. 3

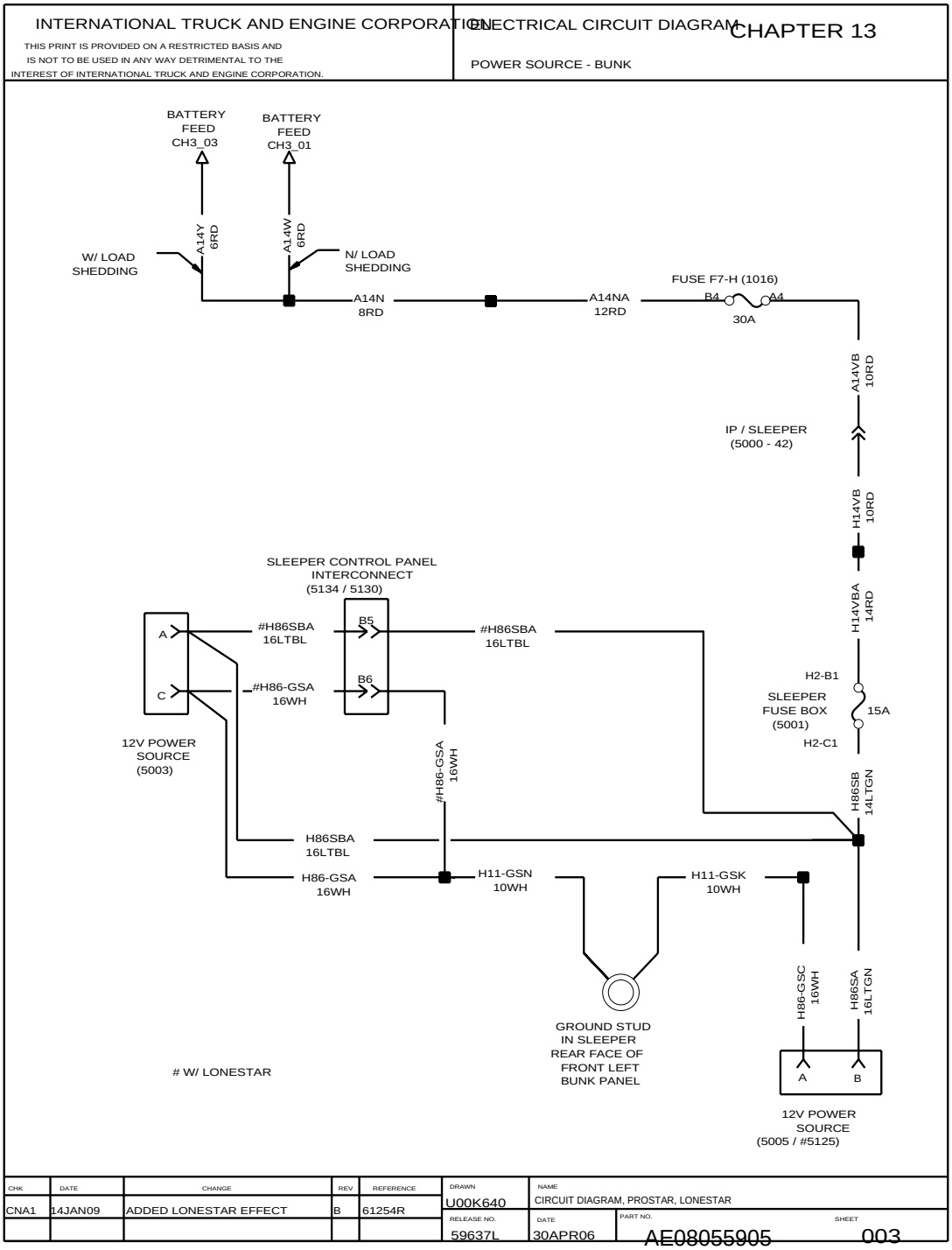

Figure 224 Power Source — Bunk

https://truckmanualshub.com/

13.4. TV / REFRIGERATOR WIRING, P. 4

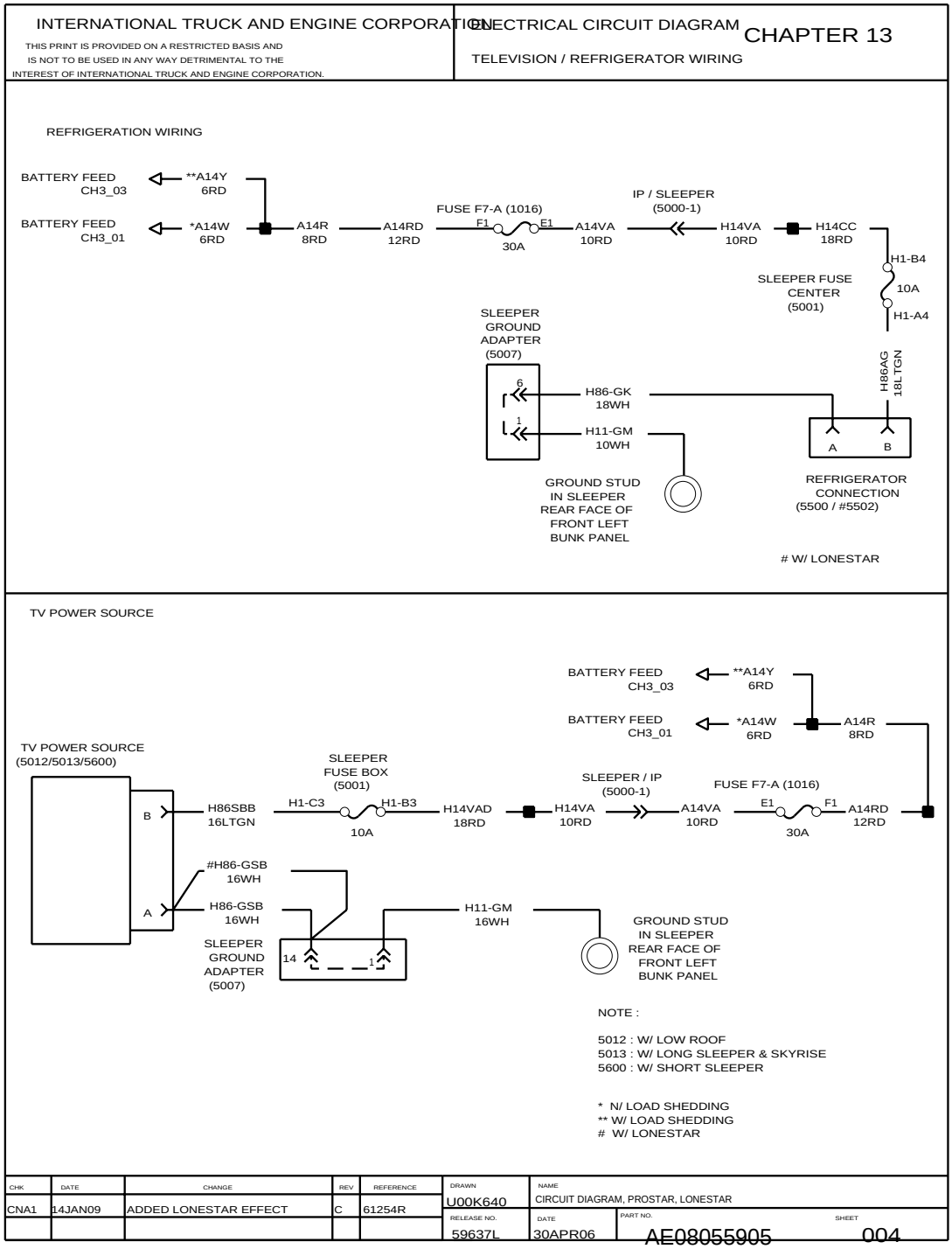

Figure 225 TV / Refrigerator Wiring

https://truckmanualshub.com/

13.5. SPEAKER — BUNK, P. 5

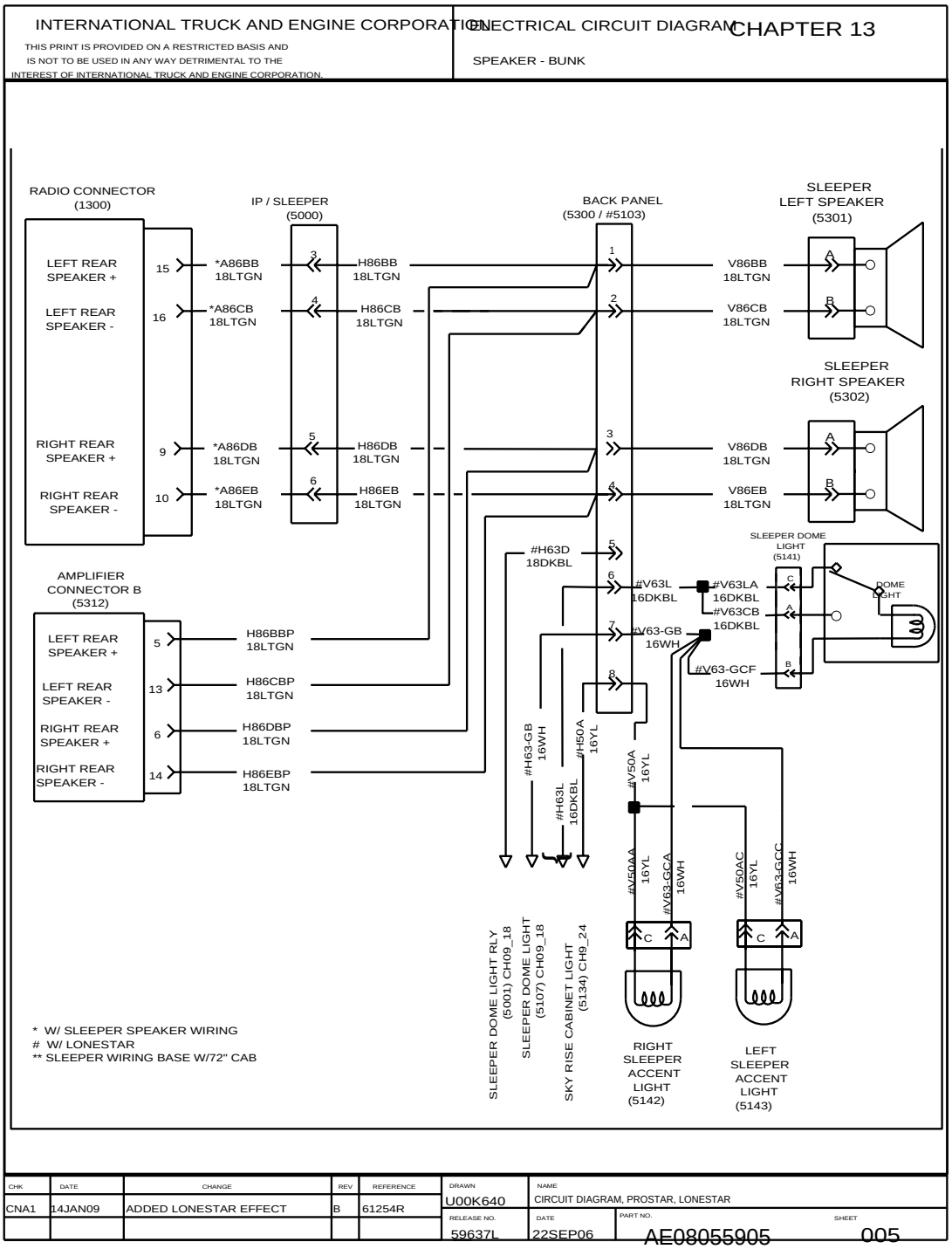

Figure 226 Speaker — Bunk

https://truckmanualshub.com/

13.6. FAN — BUNK, P. 6

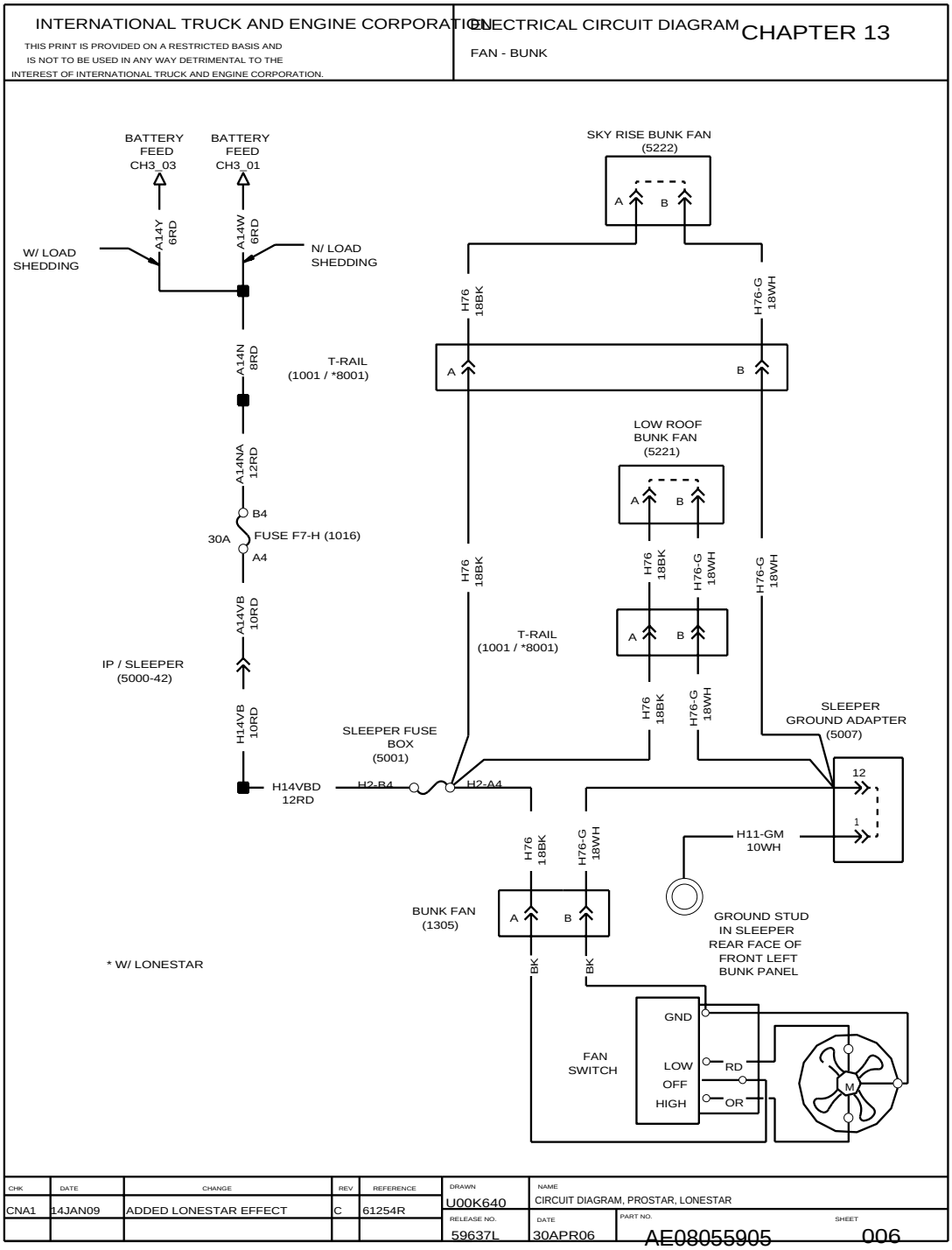

Figure 227 Fan — Bunk

https://truckmanualshub.com/

13.7. SKY RISE LIGHTS — BUNK, P. 7

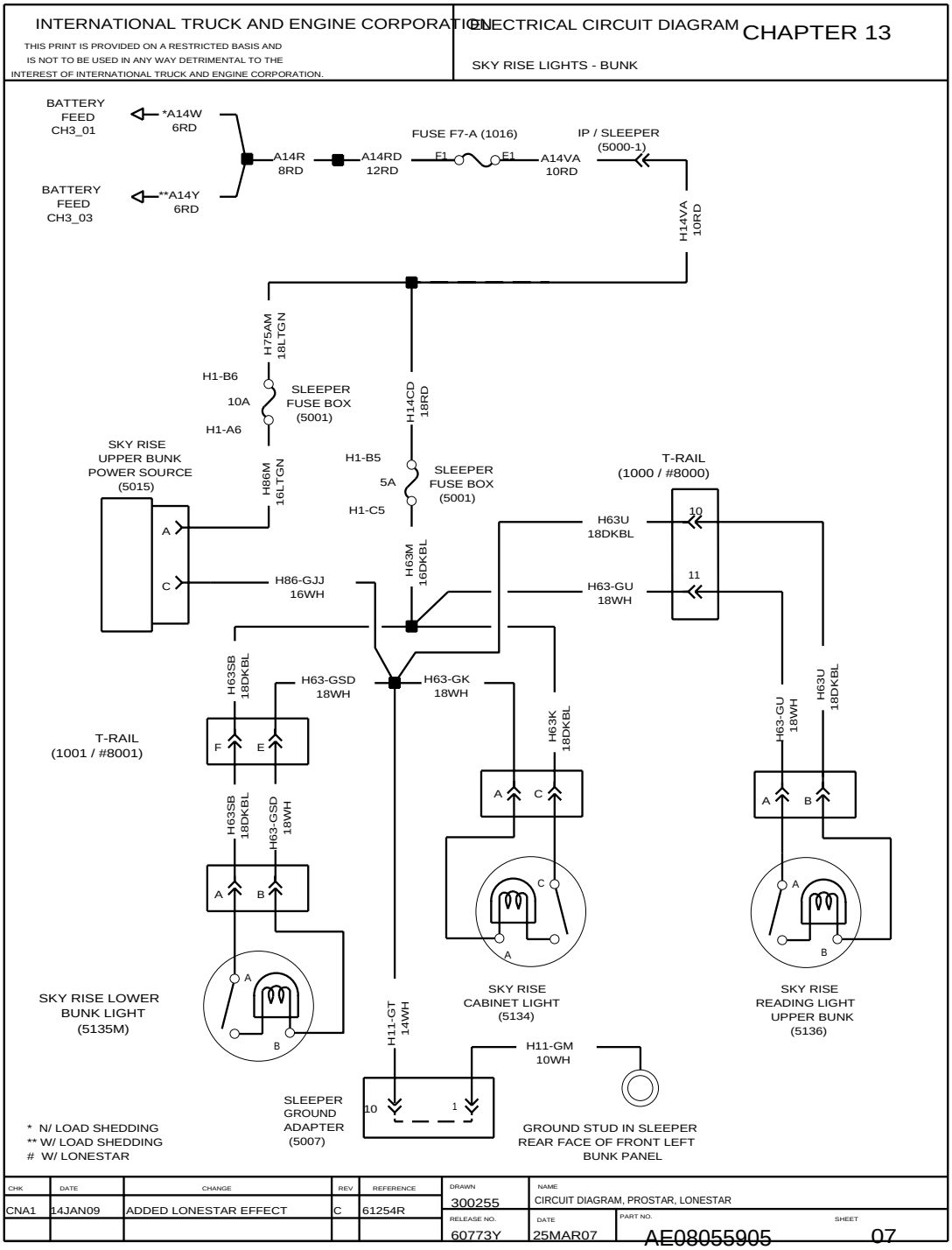

Figure 228 Sky Rise Lights — Bunk

https://truckmanualshub.com/

13.8. FLAT PANEL TV/DVD PLAYER — BUNK, P. 8

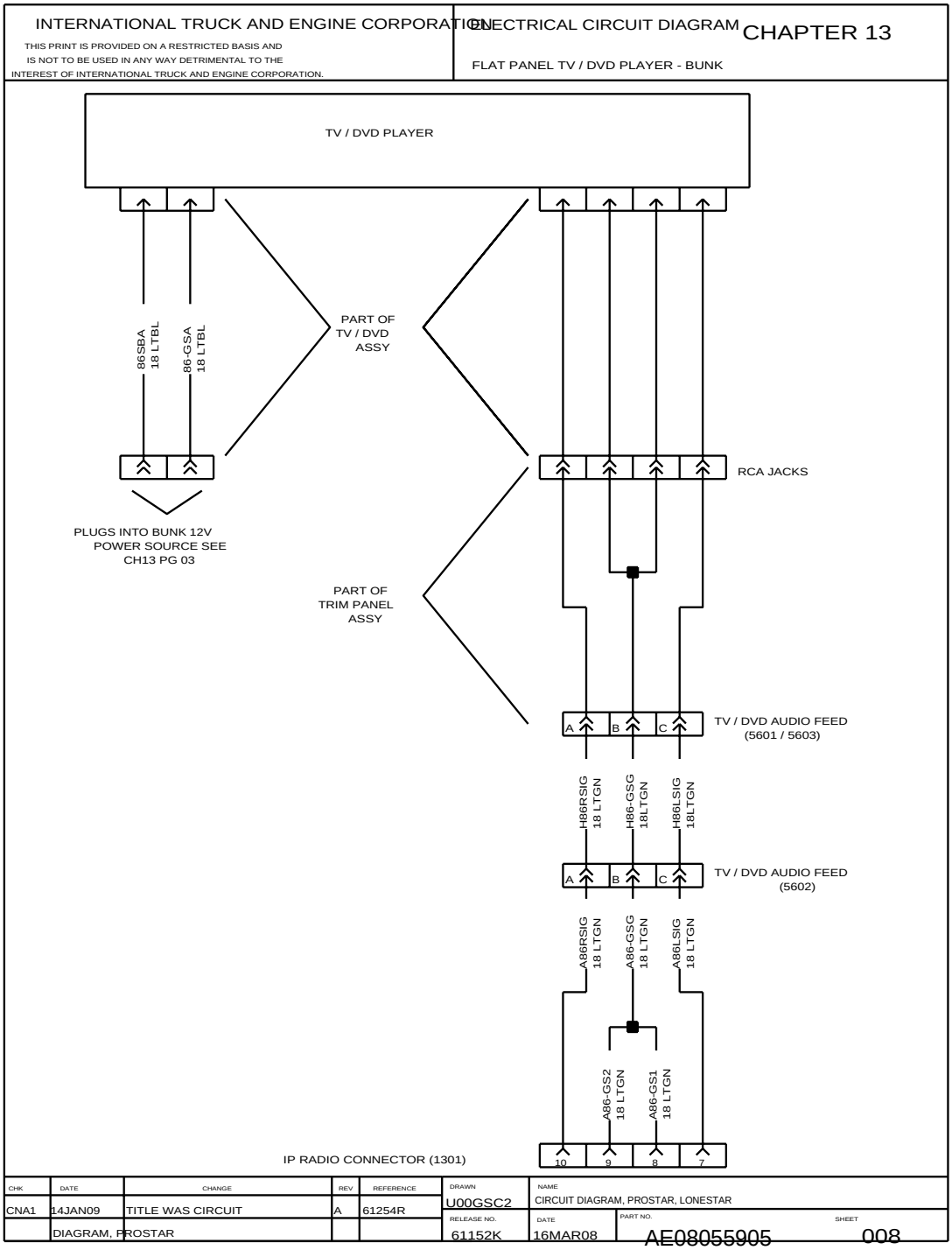

Figure 229 Flat Panel TV/DVD Player — Bunk

https://truckmanualshub.com/

14. CONNECTOR COMPOSITES (CHAPTER 14)

14.1. CONNECTOR COMPOSITES (7A), (8A), (9A), (10A), P. 1

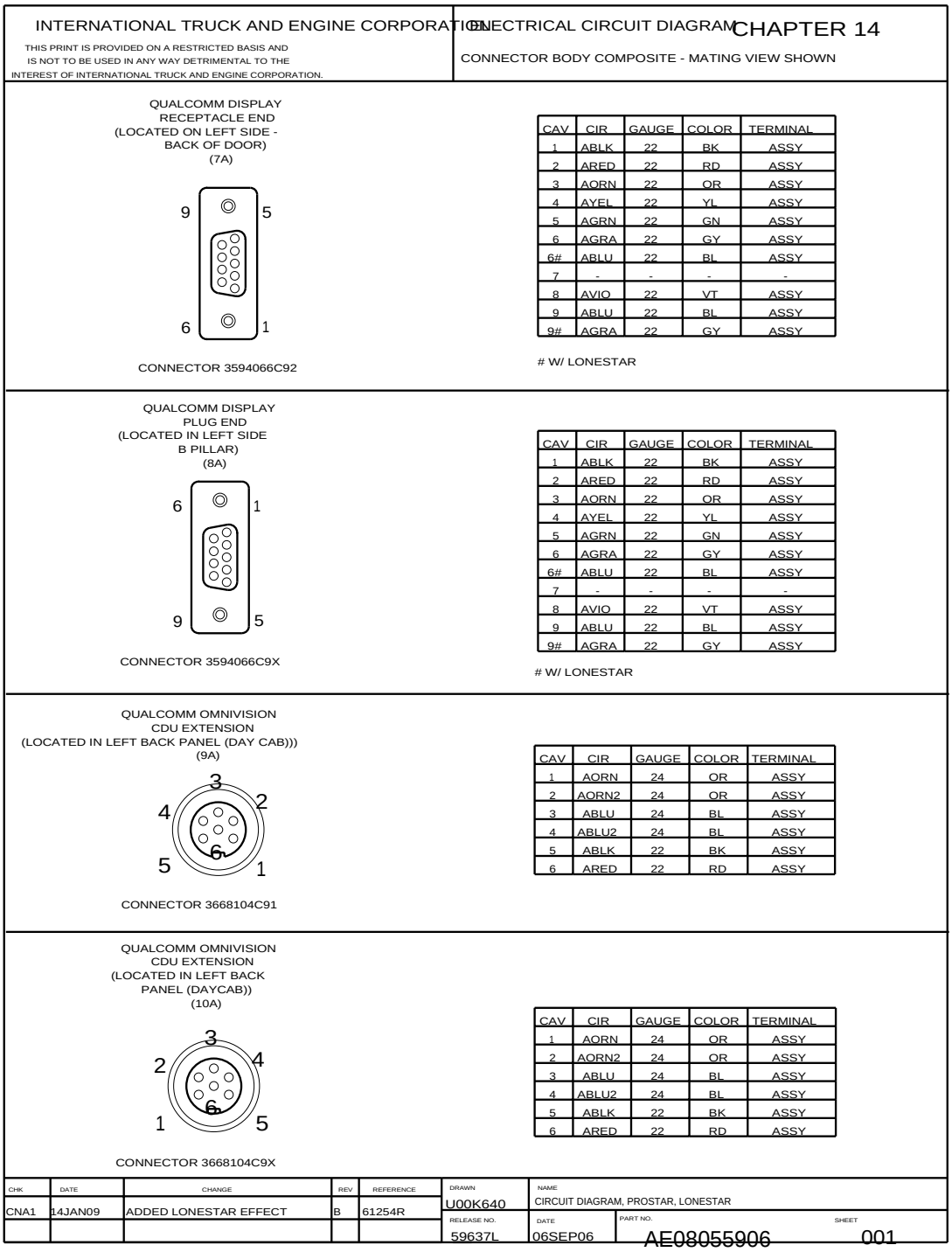

Figure 230 Connector Composites (7A), (8A), (9A), (10A)

https://truckmanualshub.com/

14.2. CONNECTOR COMPOSITES (10F), (11A), (12A), (13A), P. 1A

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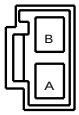
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 14

CONNECTOR BODY COMPOSITE - MATING VIEW SHOWN

AUXILARY POWER
(10F)
(LOCATED IN INSTRUMENT PANEL CENTER)
(JUMPER HARNESS)

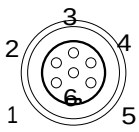


CONNECTOR 1661197C1

CAV	CIR	GAUGE	COLOR	TERMINAL
A	A86M	16	LTGN	1661214C2
A*	A86N	14	LTGN	1661214C2
B	A86-GA	16	WH	1661214C2
B*	A86-GB	14	WH	1661214C2

* W/ 2 POST & CIGAR ONLY

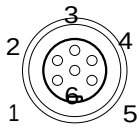
QUALCOMM OMNIVISION
CDU EXTENSION
(LOCATED IN LEFT BACK PANEL (DAYCAB))
(11A)



CONNECTOR 3668104C91

CAV	CIR	GAUGE	COLOR	TERMINAL
1	AORN	24	OR	ASSY
2	AORN2	24	OR	ASSY
3	ABLU	24	BL	ASSY
4	ABLU2	24	BL	ASSY
5	ABLK	22	BK	ASSY
6	ARED	22	RD	ASSY

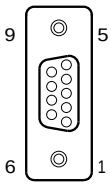
QUALCOMM OMNIVISION
CDU EXTENSION
(LOCATED IN LEFT BACK PANEL (DAYCAB))
(12A)



CONNECTOR 3668104C9X

CAV	CIR	GAUGE	COLOR	TERMINAL
1	AORN	24	OR	ASSY
2	AORN2	24	OR	ASSY
3	ABLU	24	BL	ASSY
4	ABLU2	24	BL	ASSY
5	ABLK	22	BK	ASSY
6	ARED	22	RD	ASSY

QUALCOMM DISPLAY
RECEPTACLE END
(13A)
(LOCATED IN LEFT BACK PANEL (DAYCAB))
(W/ LONESTAR)



CONNECTOR 3679731C91

CAV	CIR	GAUGE	COLOR	TERMINAL
1	-	-	-	-
2	ABLK	22	BK	ASSY
3	ABLU	22	BL	ASSY
4	-	-	-	-
5	ARED	22	RD	ASSY
6	AGRN	22	GN	ASSY
7	AYEL	22	YL	ASSY
8	-	-	-	-
9	AVIO	22	VT	ASSY

CHK	DATE	CHANGE	REV	REFERENCE
CNA1	20JAN09	ADDED LONESTAR EFFECT	B	61254R

DRAWN 300152
NAME CIRCUIT DIAGRAM, PROSTAR, LONESTAR
RELEASE NO. 50297W
DATE 18OCT07
PART NO. AE08055906
SHEET 01A

Figure 231 Connector Composites (10F), (11A), (12A), (13A)

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14.3. CONNECTOR COMPOSITES (14A), (344), (345), (512), (520), P. 1B

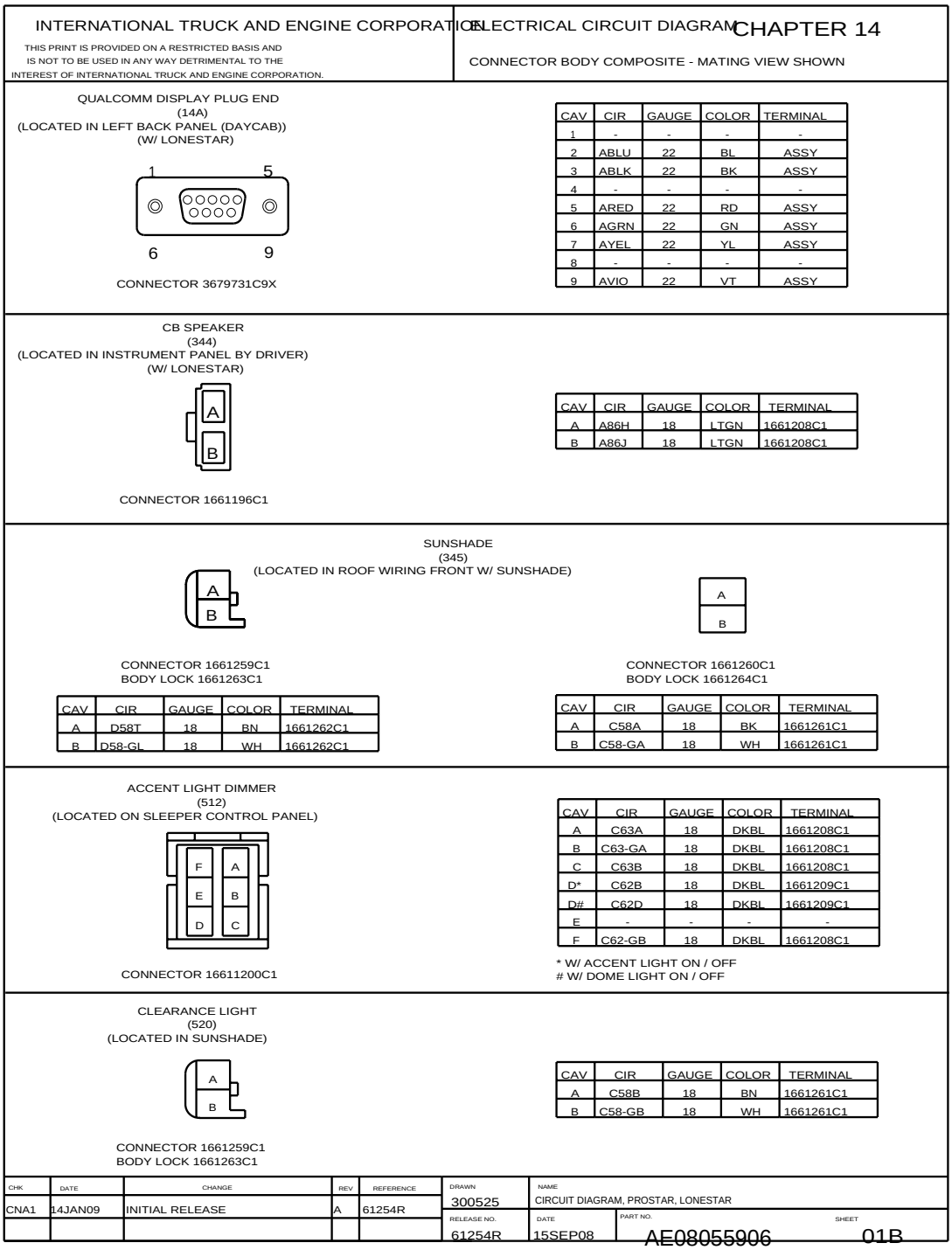

Figure 232 Connector Composites (14A), (344), (345), (512), (520)

https://truckmanualshub.com/

14.4. CONNECTOR COMPOSITES (521), (522), (523), (524), P. 2

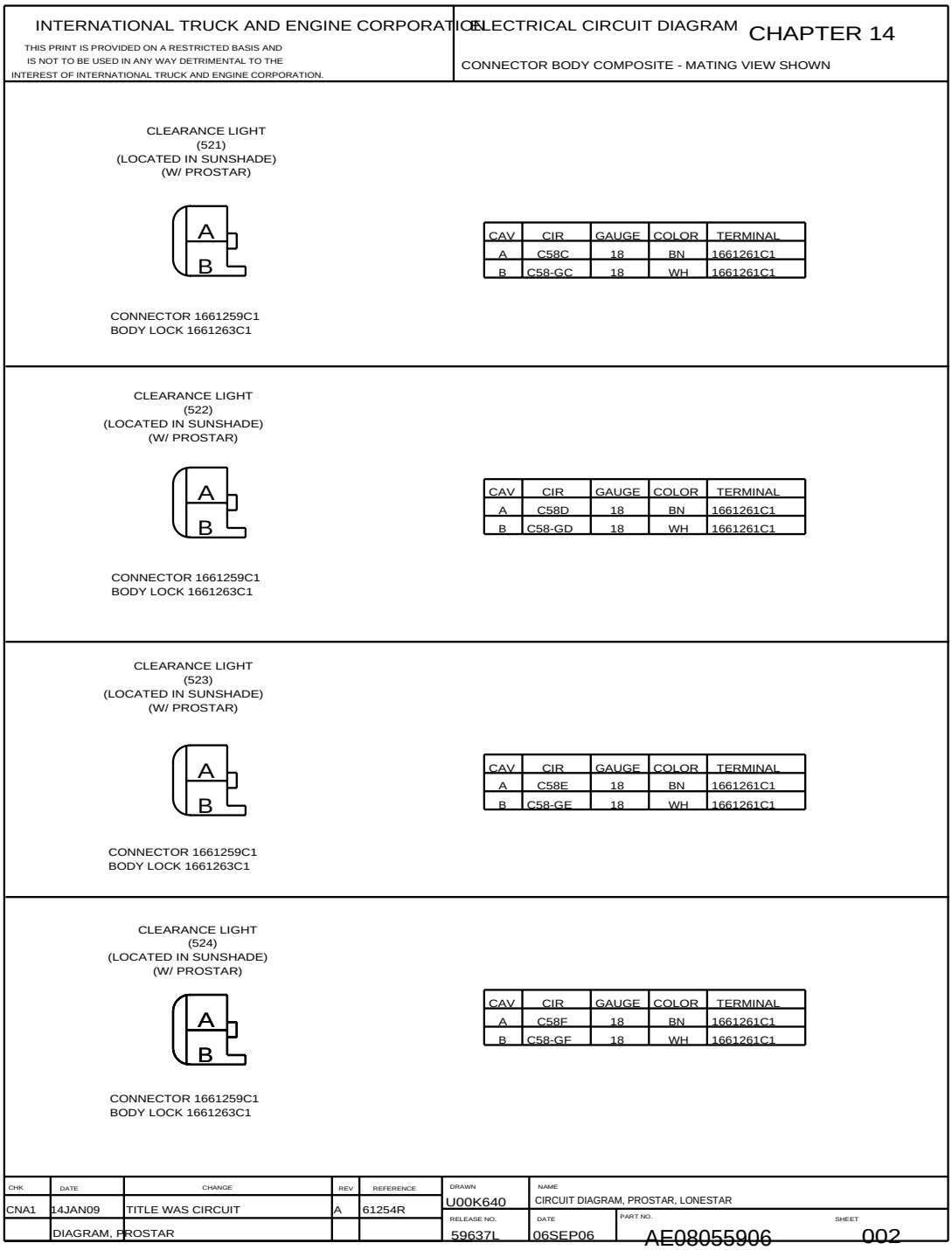

Figure 233 Connector Composites (521), (522), (523), (524)

https://truckmanualshub.com/

14.5. CONNECTOR COMPOSITES (1002), (1003), P. 3

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ELECTRICAL CIRCUIT DIAGRAM CHAPTER 14

CONNECTOR BODY COMPOSITE - MATING VIEW SHOWN

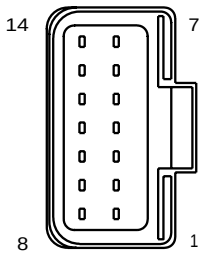
PANEL LIGHT FEED
(1002)
(LOCATED IN INSTRUMENT PANEL)

CONNECTOR 2007315C1
BODY LOCK 2007316C1

CAV	CIR	GAUGE	COLOR	TERMINAL
A	A62B	16	DKBL	1661208C1
B##	A62BB	18	DKBL	1661208C1
C	A62BE	18	DKBL	1661208C1
D	A62BD	18	DKBL	1661208C1
E	A62BH	18	DKBL	1661208C1
F	A63AB	18	DKBL	1661208C1
F%	A62T	18	DKBL	1661208C1
F@	A62TRI	18	DKBL	1661208C1
G	A62SC	18	DKBL	1661208C1
H*	A62SD	18	DKBL	1661208C1
H#	A62N	18	DKBL	1661208C1
I	-	-	-	-
J	A62SA	18	DKBL	1661208C1
K	A62SB	18	DKBL	1661208C1
K**	A62BLT	18	DKBL	1661208C1

* W/ PANIC BUTTON
** W/ BEACON LIGHT
# W/ TELEMATICS ALERT SWITCH
W/ LONESTAR
% N/ IDLE HEAT - CAB
@ W/ TRI-PAC

GROUND
(1003)
(LOCATED IN INSTRUMENT PANEL)



CONNECTOR 3613769C1

CAV	CIR	GAUGE	COLOR	TERMINAL
1	A11-GKA	14	WH	3613770C1
2@	A11-GSE	18	WH	3613771C1
2@	11-GSE	18	WH	3613771C1
3	A14-GL	18	WH	3613771C1
4	A65-GF	16	WH	3613770C1
5	A11-GSF	16	WH	3613770C1
6	A84-G	16	WH	3613770C1
7	A14-GS	18	WH	3613771C1
7@	A14-GS	18	WH	3613771C1
7@	A116-G	18	WH	3613771C1
8	A92-G	16	WH	3613770C1
9	A63-GJ	18	WH	3613771C1
10	A63-GC	18	WH	3613771C1
11	A11-GKH	18	WH	3613771C1
12*	A11-GNA	18	WH	3613771C1
12#	A11-GEC	16	WH	3613770C1
12%	A11-GT	18	WH	3613771C1
13	A22-G	18	WH	3613771C1
14	A11-GN	18	WH	3613771C1

* W/ XMSN
# W/ TELEMATICS
% W/ REMOTE START / STOP
@ W/ LONESTAR

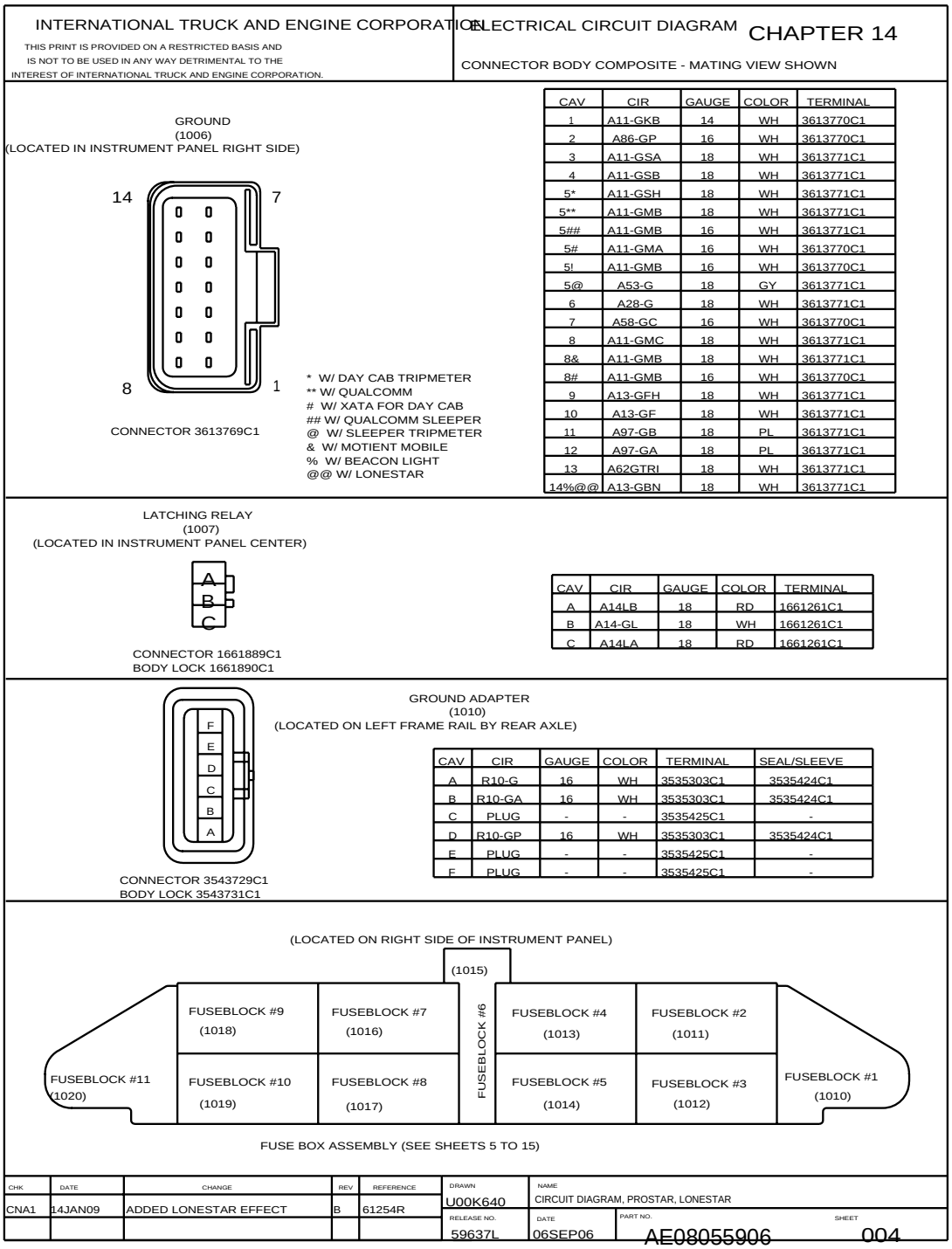
CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
CNA1	14JAN09	ADDED LONESTAR EFFECT	B	61254R	U00K640	CIRCUIT DIAGRAM, PROSTAR, LONESTAR
					RELEASE NO. 59637L	DATE 06SEP06

PART NO. AE08055906 SHEET 003

Figure 234 Connector Composites (1002), (1003)

https://truckmanualshub.com/

14.6. CONNECTOR COMPOSITES (1006), (1007), (1010), (1015), P. 4



CAV	CIR	GAUGE	COLOR	TERMINAL
1	A11-GKB	14	WH	3613770C1
2	A86-GP	16	WH	3613770C1
3	A11-GSA	18	WH	3613771C1
4	A11-GSB	18	WH	3613771C1
5*	A11-GSH	18	WH	3613771C1
5**	A11-GMB	18	WH	3613771C1
5##	A11-GMB	16	WH	3613771C1
5#	A11-GMA	16	WH	3613770C1
5!	A11-GMB	16	WH	3613770C1
5@	A53-G	18	GY	3613771C1
6	A28-G	18	WH	3613771C1
7	A58-GC	16	WH	3613770C1
8	A11-GMC	18	WH	3613771C1
8&	A11-GMB	18	WH	3613771C1
8#	A11-GMB	16	WH	3613770C1
9	A13-GFH	18	WH	3613771C1
10	A13-GF	18	WH	3613771C1
11	A97-GB	18	PL	3613771C1
12	A97-GA	18	PL	3613771C1
13	A62GTRI	18	WH	3613771C1
14%@@	A13-GBN	18	WH	3613771C1

CAV	CIR	GAUGE	COLOR	TERMINAL
A	A14LB	18	RD	1661261C1
B	A14-GL	18	WH	1661261C1
C	A14LA	18	RD	1661261C1

CAV	CIR	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	R10-G	16	WH	3535303C1	3535424C1
B	R10-GA	16	WH	3535303C1	3535424C1
C	PLUG	-	-	3535425C1	-
D	R10-GP	16	WH	3535303C1	3535424C1
E	PLUG	-	-	3535425C1	-
F	PLUG	-	-	3535425C1	-

Figure 235 Connector Composites (1006), (1007), (1010), (1015)

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14.7. CONNECTOR COMPOSITE (1010), P. 5

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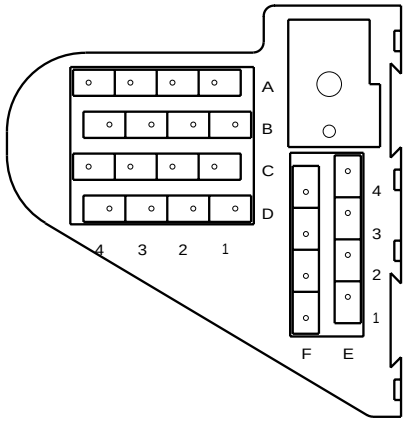
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 14

CONNECTOR BODY COMPOSITE - MATING VIEW SHOWN

FUSE BLOCK 1
(1010)
(LOCATED IN INSTRUMENT PANEL RIGHT SIDE)



CONNECTOR 3599539C1
BODY LOCK 3536085C1

* W/ ULTRASHIFT XMSN
% CRIMPED TOGRTHER
# W/ ICON & FREEDOMLINE & MANUAL XMSN
** W/ ICON & ULTRASHIFT XMSN
W/ FREEDOMLINE & AUTOSHIFT XMSN
@ MUTUALLY EXCLUSIVE
@@ W/ DAY CAB FLOOR LIGHT
& W/ MANUAL XMSN
&& W/ CUSTOMER SUPPLIED SKIRT LIGHTS

CAV	CIR	GAUGE	COLOR	TERMINAL
A1	A54XD	16	BN	3573312C1
A2	A54XV	16	BN	3573312C1
A3	A17B	18	PK	3534164C1
A4*	A104AH	16	DKBL	3573311C1
A4	A17H	16	PK	
B1%&&	A54X	16	BN	3573311C1
	A54XA	16	BN	3573311C1
B2	A54-GXB	20	WH	3535484C1
B3&	A104AH	16	DKBL	3573311C1
	A17	16	PK	3573311C1
B3%*	A17	16	PK	3573312C1
	A17C	18	PK	
B3#	A17HB	18	PK	3534164C1
B3%**	A17C	18	PK	3573312C1
	A17HB	18	PK	
B4##	A17-GC	16	WH	3573312C1
B4*	A17-GC	18	WH	3534164C1
C1	A65AB	18	OR	3534164C1
C2	A65BD	16	OR	3573312C1
C3	A63J	20	DKBL	3535484C1
C4%	A63JA	18	DKBL	3573312C1
	A63JB	18	DKBL	
C4@@	A63JA	18	DKBL	3534164C1
D1@	A65BC	14	OR	3573312C1
D1@	A65B	16	OR	3573312C1
D1@	A65BF	16	OR	3573312C1
D2	A65-GW	18	WH	3534164C1
D3	A63JJ	20	DKBL	3535484C1
D4%	A63JJ	20	DKBL	3573312C1
	A63JV	18	DKBL	
E1	A12C	18	LTBL	3534164C1
E2	A14FA	12	RD	3573312C1
E3	A14KB	12	RD	3573312C1
E4%	A14KA	12	RD	3573311C1
	A14KB	12	RD	
F1	A12CV	18	LTBL	3534164C1
F2	A75D	18	LTGN	3534164C1
F3	A63JV	18	DKBL	3534164C1
F4	A14EF	18	RD	3534164C1

FUSE LOCATION	CAVITY	RATING	PART NUMBER		DESCRIPTION
			FUSE	BREAKER	
F1-A	E1, F1	5	3534208C1	-	BODY CONTROLLER
F1-B	E2, F2	5	3534208C1	-	CAB HVAC CONTROL
F1-C	E3, F3	5	3534208C1	-	FLOOR LIGHTS
F1-D	E4, F4	5	3534208C1	-	SECONDARY GAUGE CLUSTER

RELAY LOCATION - CAVITY	PART NUMBER	DESCRIPTION
A1, A2, B1, B2	3600330C1	SKIRT LIGHTS
A3, A4, B3, B4	3600330C1	START
C1, C2, D1, D2	3600330C1	CUSTOMER SUPPLIED WORK LIGHTS
C3, C4, D3, D4	3600330C1	FLOOR LIGHTS

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
CNA1	14JAN09	TITLE WAS CIRCUIT	C	61254R	U00K640	CIRCUIT DIAGRAM, PROSTAR, LONESTAR
		DIAGRAM, PROSTAR			RELEASE NO. 59637L	DATE 06SEP06

PART NO. AE08055906 SHEET 005

Figure 236 Connector Composite (1010)

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14.8. CONNECTOR COMPOSITE (1011), P. 6

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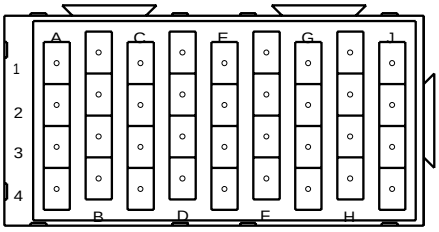
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 14

CONNECTOR BODY COMPOSITE - MATING VIEW SHOWN

FUSE BLOCK 2
(1011)
(LOCATED IN INSTRUMENT PANEL RIGHT SIDE)



CONNECTOR 3534572C1
BODY LOCK 3536085C1

% CRIMPED TOGETHER
* W/ STD BATTERY FEED/ PROSTAR
** W/ LOAD SHEDDING/ PROSTAR
@ W/ XATA
# W/ TRIPMASTER
W/ QUALCOMM
@@ W/ LONESTAR
%% W/ TELEMATICS

CAV	CIR	GAUGE	COLOR	TERMINAL
A1	A14KF	12	RD	3573311C1
A2	A12-G	18	WH	3534164C1
A3	A14FB	12	RD	3573311C1
A4%	A13-GF	18	WH	3573312C1
	A13-GFD	18	WH	
B1	-	-	-	-
B2	-	-	-	-
B3	-	-	-	-
B4	-	-	-	-
C1	A14FF	12	RD	3573312C1
C2*	A14KD	12	RD	3536304C1
C2**	A14KD	12	RD	3536304C1
C2@@	A14KC	12	RD	3573311C1
C3	A14JA	12	RD	3573312C1
C4	A14KH	12	RD	3536304C1
D1	A86P	18	LTGN	3534164C1
D2%@	A14EA	16	RD	3573312C1
	A14EB	18	RD	
D2##	A14ED	18	RD	3534164C1
D2%%	A14NN	18	RD	3534164C1

CAV	CIR	GAUGE	COLOR	TERMINAL
D2#	A14SD	18	RD	3534164C1
D3	A14EE	16	RD	3573312C1
D4	A64C	16	YL	3573312C1
E1	(A56J)			3536301C1
E2	(A14KD)			3536304C1
E3	(A57J)			3536301C1
E4	(A14KH)			3536304C1
F1	A14FC	12	RD	3573312C1
F2	A84	16	LTGN	3573312C1
F3	A14FD	12	RD	3573312C1
F4	A63BD	18	DKBL	3534164C1
G1	(A56J)			3536301C1
G2	-	-	-	-
G3	(A57J)			3536301C1
G4	-	-	-	-
H1	A56C	18	OR	3534164C1
H2	A56T	12	OR	3573311C1
H3	A57C	18	OR	3534164C1
H4	A57T	12	OR	3573311C1
J1	(A56J)			3536301C1
J2%	A56-GT	18	WH	3573312C1
	A57-GT	18	WH	
J3	(A57J)			3536301C1
J4%	A57-GT	18	WH	3573312C1
	A58-GT	18	WH	

FUSE LOCATION	CAVITY	RATING	PART NUMBER		DESCRIPTION
			FUSE	BREAKER	
F2-A	E1, F1	15	3534210C1	3536179C1	TRAILER LEFT TURN
F2-B	E2, F2	15	3534210C1	3536179C1	CIGAR LIGHTER
F2-C	E3, F3	15	3534210C1	3536179C1	TRAILER RIGHT TURN
F2-D	E4, F4	10	3534209C1	3536178C1	CAB DOME / MAP LIGHTS
F2-E	C1, D1	10	3534209C1	3536178C1	ENTERTAINMENT RADIO MEMORY
F2-F	C2, D2	10	3534209C1	3536178C1	SATELLITE COMMUNICATION
F2-G	C3, D3	15	3534210C1	3536179C1	INSTRUMENT CLUSTER
F2-H	C4, D4	10	3534209C1	3536178C1	SPOT LIGHT

RELAY LOCATION - CAVITY	PART NUMBER	DESCRIPTION
A1, A2	3600329C1	ACCESSORY *
A3, A4	3600329C1	IGNITION RELAY # 1 *
H1, H2, J1 J2	3600330C1	TRAILER LEFT TURN
H3, H4, J3, J4	3600330C1	TRAILER RIGHT TURN

* ALSO SEE CONNECTOR 1013

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
CNA1	14JAN09	ADDED LONESTAR EFFECT	B	61254R	U00K640	CIRCUIT DIAGRAM, PROSTAR, LONESTAR
					RELEASE NO. 59637L	DATE 06SEP06

PART NO. AE08055906 SHEET 006

Figure 237 Connector Composite (1011)

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14.9. CONNECTOR COMPOSITE (1012), P. 7

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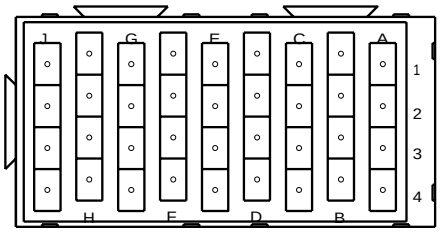
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 14

CONNECTOR BODY COMPOSITE - MATING VIEW SHOWN

FUSE BLOCK 3
(1012)
(LOCATED IN INSTRUMENT PANEL RIGHT SIDE)



% CRIMPED TOGETHER
@ W/ LONESTAR

CONNECTOR 3534572C1
BODY LOCK 3536085C1

CAV	CIR	GAUGE	COLOR	TERMINAL
A1	A14MA	12	RD	3573311C1
A2%	A13-GFD	18	WH	3573312C1
	A13-GFE	18	WH	
A3	A14MC	12	RD	3573311C1
A4%	A13-FE	18	WH	3573312C1
	A13-FF	18	WH	
A4%@	A13-GFE	18	WH	3573312C1
	A13-GFF	18	WH	
B1	-	-	-	-
B2	-	-	-	-
B3	-	-	-	-
B4	-	-	-	-
C1%	A15	18	RD	3573312C1
	A98H	18	BK	
C2	(A68J)			3536299C1
C3	A86P	16	LTGN	3573312C1
C4	(A58J)			3536299C1
D1	A14JB	12	RD	3573312C1
D2	A14HB	12	RD	3573312C1
D3	A14KK	12	RD	3573312C1
D4	A14HA	14	RD	3573312C1
D4@	A14HA	12	RD	3573312C1

CAV	CIR	GAUGE	COLOR	TERMINAL
E1	A68	18	BN	3534164C1
E2	(A68J)			3536299C1
E3	A54C	18	BN	3534164C1
E4	(A58J)			3536299C1
F1	A68T	12	BN	3573311C1
F2%	A68-GT	18	WH	3573312C1
	A70-GT	18	WH	
F3	A58T	12	BN	3573311C1
F4%	A58-GT	18	WH	3573312C1
	A68-GT	18	WH	
G1	A82M	18	GY	3534164C1
G2	A82E	16	GY	3573312C1
G3	A82N	18	GY	3534164C1
G4	A82K	16	GY	3573312C1
H1	-	-	-	-
H2	A82J	16	GY	3573312C1
H3	-	-	-	-
H4	A82L	16	GY	3573312C1
J1	A82P	16	GY	3573312C1
J2	A82F	18	GY	3534164C1
J3	A82P	16	GY	3573312C1
J4	A82H	18	GY	3534164C1

FUSE LOCATION	CAVITY	RATING	PART NUMBER		DESCRIPTION
			FUSE	BREAKER	
F3-A	C1, D1	10	3534209C1	3536178C1	KEY SWITCH
F3-B	C2, D2	20	3534211C1	3536180C1	TRAILER TAIL LIGHT
F3-C	C3, D3	15	3534210C1	3536179C1	AUX POWER SOURCES
F3-D	C4, D4	20	3534211C1	3536180C1	TRAILER MARKER LIGHTS

RELAY LOCATION - CAVITY	PART NUMBER	DESCRIPTION
A1, A2	3600329C1	IGNITION RELAY # 2 *
A3, A4	3600329C1	IGNITION RELAY # 3 *
E1, E2, F1, F2	3600330C1	TRAILER TAIL LIGHT
E3, E4, F3, F4	3600330C1	TRAILER MARKER LIGHT
G1, G2, H2, J1, J2	3519350C1	WIPER POWER
G3, G4, H4, J3, J4	3519350C1	WIPER HI / LO

* ALSO SEE CONNECTOR 1014

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
CNA1	14JAN09	ADDED LONESTAR EFFECT	B	61254R	U00K640	CIRCUIT DIAGRAM, PROSTAR, LONESTAR
					RELEASE NO. 59637L	DATE 06SEP06

PART NO. AE08055906 SHEET 007

Figure 238 Connector Composite (1012)

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14.10. CONNECTOR COMPOSITE (1013), P. 8

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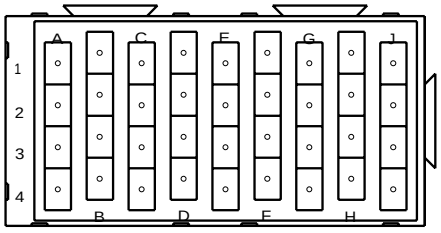
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 14

CONNECTOR BODY COMPOSITE - MATING VIEW SHOWN

FUSE BLOCK 4
(1013)
(LOCATED IN INSTRUMENT PANEL RIGHT SIDE)

W/ STD IGN FEED
& W/ INTERNATIONAL ENGINE ECM
! W/ LONESTAR
&& W/ NO IDLE PACKAGE-TRI PAC

% CRIMPED TOGETHER
* W/ TIRE PRESSURE DISPLAY
** W/ AUTOSHIFT XMSN
@ W/ ULTRA SHIFT XMSN
@@ W/ ULTRASHIFT 3 XMSN
# W/ REMOTE START / STOP



CONNECTOR 3534572C1
BODY LOCK 3536085C1

CAV	CIR	GAUGE	COLOR	TERMINAL
A1	A12V	12	LTBL	3573311C1
A2	A12V	12	LTBL	3536306C1
A3	A13FC	12	PK	3536304C1
A4	A13FC	12	PK	3536306C1
B1%*	A22E	18	TN	3573312C1
	A12C	18	LTBL	
B1	A12C	18	LTBL	3534164C1
B2	A12F	18	LTBL	3534164C1
B3%	A73A	18	LTGN	3573312C1
	A13EA	18	PK	
B4%	A75B	18	LTGN	3573312C1
	A13	18	PK	
C1	(A12V)			3536301C1
C2	(A12V)	-	-	3536306C1
C3	(A13FC)	-	-	3536304C1
C4	(A13FC)	-	-	3536306C1
D1	A12U	16	LTBL	3573312C1
D2%	A86F	18	LTGN	3573312C1
	A86R	18	LTGN	
D3	A13B	18	PK	3534164C1
D4	A97FC	16	PL	3573312C1
D4#!	A104AK	16	DKBL	3573312C1
D4&&!	A13TRIB	16	PK	3573312C1

CAV	CIR	GAUGE	COLOR	TERMINAL
E1	(A12V)			3536301C1
E2	(A12V)	-	-	3536306C1
E3	(A13FC)	-	-	3536304C1
E4	(A13FC)	-	-	3536306C1
F1	-	-	-	-
F2	-	-	-	-
F3	-	-	-	-
F4	-	-	-	-
G1	(A12V)			3536301C1
G2	(A12V)	-	-	3536306C1
G3	(A13FC)	-	-	3536304C1
G4	(A13FC)	-	-	3536306C1
H1%!	A73B	16	OR	3573311C1
	A94AM	14	GY	35733111C1
H2	A78V	18	LTGN	3534164C1
H3%	A13A	16	PK	3573312C1
	A92UA	18	TN	
H3**	A92U	16	TN	3534164C1
H3@	A92U	16	TN	3573312C1
H4%&	A97F	16	PL	3573312C1
	A97FB	16	PL	3573312C1
H4@@	A97FA	16	PL	3573312C1
J1	A12A	18	LTBL	3534164C1
J1%!	A12A	18	LTBL	3536295C1
	A12D	18	LTBL	3536295C1
J2	(A12V)	-	-	3536306C1
J3%#	A13FD	18	PK	3573312C1
	A13FL	16	PK	
J3%##!	A97FB	18	PL	3573312C1
	A13FE	18	PK	3573312C1
J3##	A97FB	18	PL	3534164C1
J3%	A13F	18	PK	3573312C1
	A13FD	18	PK	
J4	(A13FC)	-	-	3536306C1

FUSE LOCATION	CAVITY	RATING	PART NUMBER		DESCRIPTION
			FUSE	BREAKER	
F4-A	G1, H1	-	-	-	OPEN / ISO TRAILER SOCKET
F4-B	G2, H2	10	3534209C1	3536178C1	POWER MIRROR
F4-C	G3, H3	10	3534209C1	3536178C1	TRANSMISSION - SEE NOTE 1
F4-D	G4, H4	10	3534209C1	3536178C1	ENGINE ECU - N/ ICON
F4-E	C1, D1	10	3534209C1	3536178C1	VEHICLE SENSOR MODULE
F4-F	C2, D2	10	3534209C1	3536178C1	CB RADIO / ENTERTAINMENT RADIO
F4-G	C3, D3	10	3534209C1	3536178C1	OPTIONAL WARNING LIGHTS
F4-H	C4, D4	10	3534209C1	3536178C1	REMOTE START / STOP / TRI-PAC
F4-J	A1, B1	10	3534209C1	3536178C1	SECONDARY DISPLAY / TIRE PRESSURE
F4-K	A2, B2	10	3534209C1	3536178C1	SWITCH PACK
F4-L	A3, B3	10	3534209C1	3536178C1	CLUSTER / CAB HVAC CONTROLLER N/ ICON
F4-M	A4, B4	10	3534209C1	3536178C1	BODY CONTROLLER / CAB HVAC / LPM / N/ ICON

RELAY LOCATION - CAVITY	PART NUMBER	DESCRIPTION
J1, J2	3600329C1	* ACCESSORY RELAY
J3, J4	3600329C1	* IGNITION RELAY # 1

* ALSO SEE CONNECTOR 1011

NOTE 1: W/ EATON AUTOSHIFT,ULTRASHIFT XMSN & MERITOR FREEDOMLINE XMSN

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
CNA1	14JAN09	ADDED LONESTAR EFFECT	B	61254R	UOOK640	CIRCUIT DIAGRAM, PROSTAR, LONESTAR
					RELEASE NO. 59637L	DATE 06SEP06

PART NO. AE08055906 SHEET 008

Figure 239 Connector Composite (1013)

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14.11. CONNECTOR COMPOSITE (1014), P. 9

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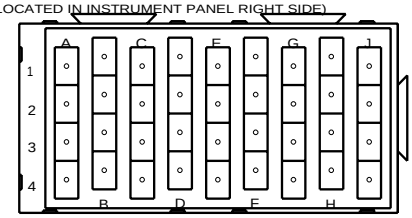
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 14

CONNECTOR BODY COMPOSITE - MATING VIEW SHOWN

FUSE BLOCK 5 (1014)
(LOCATED IN INSTRUMENT PANEL RIGHT SIDE)



CONNECTOR 3534572C1 BODY LOCK 3536085C1

% CRIMPED TOGETHER
@@ W/ ICON
@ W/ QUALCOMM FOR SLEEPER
** W/ SMARTCRUISE ONLY (VORAD VS-400)
* MUTUALLY EXCLUSIVE
# W/ SLEEPER TRIPMETER
W/ DAYCAB TRIPMETER
%% W/ LONESTAR
& W/ QUALCOMM FOR DAYCAB
&& W/ WABCO ONGUARD

CAV	CIR	GAUGE	COLOR	TERMINAL
G1	(A13FB)	-	-	3536304C1
G2	(A13FB)	-	-	3536306C1
G3	(A13FA)	-	-	3536304C1
G4	(A13FA)	-	-	3536306C1
H1	A67A	16	GY	3573312C1
H1**	A67A	16	PK	3573312C1
H1&&	A67CC	16	PK	3573312C1
H2	A88V	18	LTGN	3534164C1
H3	A87C	18	GY	3534164C1
H4	A13EH	18	PK	3534164C1
J1%	A13FD	18	PK	3573312C1
	A13FE	18	PK	3573312C1
J1@@	A13FH	18	PK	3573312C1
J2	(A13FB)			3536306C1
J3%	A13-GFE	18	PK	3573312C1
	A13-GFF	18	PK	3573312C1
J4	(A13FA)			3536306C1
F4	-	-	-	-

CAV	CIR	GAUGE	COLOR	TERMINAL
A1	A13FB	12	PK	3536304C1
A2	A13FB	12	PK	3536306C1
A3	A13FA	12	PK	3536304C1
A4	A13FA	12	PK	3536306C1
B1%#	A13SD	18	PK	3573312C1
	A70D	18	OR	3573312C1
B1&	A13EE	16	DKBL	3515517C1
B1@	A13EE	18	PK	3534164C1
B1%##	A13EE	18	PK	3573312C1
	A13EF	18	PK	3573312C1
B1##	A70D	18	GY	3573312C1
B1	A13N	18	PK	3515517C1
B2	A39	16	GY	3573312C1
B3%%	A67FA	18	PK	3534164C1
B4*	A71B	16	OR	3573312C1
B4*	A71A	16	OR	3573312C1
B4*	A71A	18	OR	3534164C1
C1	(A13FB)	-	-	3536304C1
C2%%	(A13FB)	-	-	3536306C1
C3	(A13FA)	-	-	3536304C1
C4	(A13FA)	-	-	3536306C1
D1%%	A13BL1	18	PK	3515517C1
D1@@%%	A75B	18	LTGN	3534764C1
D1%	A13EA	18	PK	3573312C1
	A73A	18	LTGN	3573312C1
D2%%	A13SE	18	PK	3534164C1
D3	A1A	18	PK	3515517C1
D4	A28V	18	TN	3534164C1
E1	(A13FB)	-	-	3536304C1
E2	(A13FB)	-	-	3536306C1
E3	(A13FA)	-	-	3536304C1
E4	(A13FA)	-	-	3536306C1
F1	-	-	-	-
F2	-	-	-	-
F3	-	-	-	-

FUSE LOCATION	CAVITY	RATING	PART NUMBER		DESCRIPTION
			FUSE	BREAKER	
F5-A	G1, H1	10	3534209C1	3536178C1	COLLISION AVOIDANCE
F5-B	G2, H2	10	3534209C1	3536178C1	PTO
F5-C	G3, H3	10	3534209C1	3536178C1	WINDSHIELD WASHER PUMP
F5-D	G4, H4	10	3534209C1	3536178C1	SECONDARY GAUGE CLUSTER
F5-E	C1, D1	10	3534209C1	3536178C1	CLUSTER / CAB HAVC CONTROLLER W/ ICON
F5-E	C1, D1	10	3534209C1	3536178C1	CLUSTER / CAB HAVC CONTROLLER W/ ICON
		10/5			CAB HVAC CPM W/ ICON / BEACON N/ ICON
F5-F	C2, D2	10	3534209C1	3536178C1	DRIVER DISPLAY
F5-G	C3, D3	-	-	-	A
F5-G	C3, D3	5A	-	-	ALTERNATOR WARNING
		10A			5TH WHEEL JAW UNLOCK AND MNTR
		5A			BEACON W/ ICON
F5-H	C4, D4	10	3534209C1	3536178C1	COMPASS MODULE
F5-J	A1, B1	10	3534209C1	3536178C1	SATELLITE COMMUNICATION
F5-K	A2, B2	15	3534210C1	3536179C1	AIR DRYER
F5-L	A3, B3	-	-	-	COLLISION AVOIDANCE SIDE
F5-M	A4, B4	10	3534209C1	3536178C1	BACK-UP LIGHTS

RELAY LOCATION - CAVITY	PART NUMBER	DESCRIPTION
J1, J2	3600329C1	IGNITION RELAY # 2 *
J3, J4	3600329C1	IGNITION RELAY # 3 *

* ALSO SEE CONNECTOR 1012

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
CNA1	07OCT09	W484//ADDED WABCO	D	62556A	U00K640	CIRCUIT DIAGRAM, PROSTAR, LONESTAR
	ONGUARD				RELEASE NO. 59637L	DATE 06SEP06

PART NO. AE08055906 SHEET 009

Figure 240 Connector Composite (1014)

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14.12. CONNECTOR COMPOSITE (1015), P. 10

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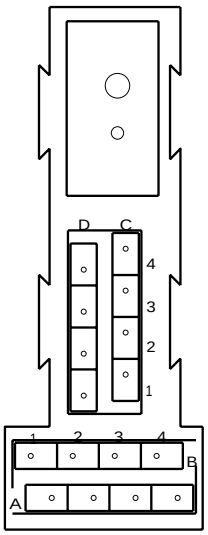
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 14

CONNECTOR BODY COMPOSITE - MATING VIEW SHOWN

FUSE BLOCK 6
(1015)
(LOCATED IN INSTRUMENT PANEL RIGHT SIDE)



CAV	CIR	GAUGE	COLOR	TERMINAL
A1	A19V	16	GY	3573312C1
A2	A37V	18	TN	3534164C1
A3	-	-	-	-
A4	A75	12	LTGN	3573311C1
B1	A14RA	16	RD	3573312C1
B1*	A14RA	12	RD	3573311C1
B2	A14NC	14	RD	3573312C1
B2*	A14NC	12	RD	3573311C1
B3	-	-	-	-
B4	A14FE	12	RD	3573311C1
C1	A37	20	TN	3535484C1
C2	A37A	18	TN	3534164C1
C3	A19A	18	GY	3534164C1
C4	A19	16	GY	3573312C1
D1	A37V	18	TN	3534164C1
D2	A37-GA	18	TN	3534164C1
D3	A19V	16	GY	3573312C1
D4	A19-GB	18	WH	3534164C1

* W/ LONESTAR

CONNECTOR 3599501C1
BODY LOCK 3536085C1

FUSE LOCATION	CAVITY	RATING	PART NUMBER		DESCRIPTION
			FUSE	BREAKER	
F6-A	A4, B4	30	3534213C1	3536182C1	CAB HVAC BLOWER MOTOR
F6-B	A3, B3	-	-	-	OPEN
F6-C	A2, B2	10	3534209C1	3536178C1	FUEL TRANSFER PUMP
F6-D	A1, B1	20	3534211C1	3536180C1	FUEL HEATER

RELAY LOCATION - CAVITY	PART NUMBER	DESCRIPTION
C1, C2, D1, D2	3600330C1	FUEL TRANSFER PUMP
C3, C4, D3, D4	3600330C1	FUEL HEATER

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
CNA1	20JAN09	ADDED LONESTAR EFFECT	A	61254R	U00K640	CIRCUIT DIAGRAM, PROSTAR, LONESTAR
					RELEASE NO. 59637L	DATE 06SEP06

PART NO. AE08055906 SHEET 010

Figure 241 Connector Composite (1015)

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14.13. CONNECTOR COMPOSITE (1016), P. 11

INTERNATIONAL TRUCK AND ENGINE CORPORATION

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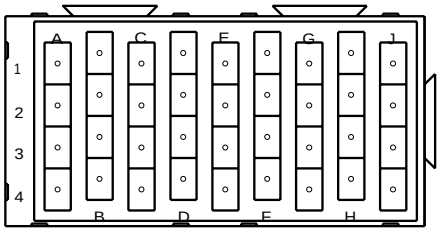
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 14

CONNECTOR BODY COMPOSITE - MATING VIEW SHOWN

FUSE BLOCK 7
(1016)
(LOCATED IN INSTRUMENT PANEL RIGHT SIDE)



CONNECTOR 3536085C1

CAV	CIR	GAUGE	COLOR	TERMINAL
A1	A75C	10	LTGN	3573311C1
A2	A65BD	16	OR	3573312C1
A3	-	-	-	-
A4	A14VB	10	RD	3573311C1
B1	A14ND	12	RD	3573311C1
B2	A14MD	16	RD	3573312C1
B2@	A14MD	12	RD	3573311C1
B3	-	-	-	-
B4	A14NA	12	RD	3573311C1
C1	-	-	-	-
C2	-	-	-	-
C3	-	-	-	-
C4	-	-	-	-
D1	-	-	-	-
D2	-	-	-	-
D3	-	-	-	-
D4	-	-	-	-
E1	A14VA	10	RD	3573311C1
E2	A14SC	12	RD	3573311C1
E2*	A72E	18	OR	3534164C1
E2#@	A72A	12	OR	3573311C1

% MUTUALLY EXCLUSIVE
* W/ SWITCH CONTROLLED CENTER PIN
# W/ AUX ISO TRAILOR SOCKET
@ W/ LONESTAR

CAV	CIR	GAUGE	COLOR	TERMINAL
E3	-	-	-	-
E4	(A70J)			3536299C1
F1	A14RD	12	RD	3573311C1
F2	A14RB	12	RD	3573311C1
F3	-	-	-	-
F4	A14HC	12	RD	3573311C1
G1	A72	18	OR	3534164C1
G1*	A72EC	18	OR	3534164C1
G1#@	A72F	16	OR	3573312C1
G2*	A94TA	12	GY	3573311C1
G2	A14SC	12	RD	3573311C1
G2#@	A72V	12	DKBL	3573311C1
G3	A70C	18	OR	3534164C1
G4	(A70J)			3536299C1
H1	-	-	-	-
H2	-	-	-	-
H3	-	-	-	-
H4	-	-	-	-
J1	A72A	12	OR	3573311C1
J1*	A94TC	12	GY	3573311C1
J2%*	A72-GB	18	WH	3573312C1
	A72-GC	18	WH	
J2%	A72-G	18	WH	3573312C1
	A72-GA	18	WH	
J2#@	A72-GA	16	WH	3573312C1
J3	A70T	12	OR	3573311C1
J4	A70-GT	18	WH	3534164C1

FUSE LOCATION	CAVITY	RATING	PART NUMBER		DESCRIPTION
			FUSE	BREAKER	
F7-A	E1, F1	30	3534213C1	3536182C1	SLEEPER FUSE PANEL FEED
F7-B	E2, F2	25 / 10	3534209C1	3536178C1	TRAILER SOCKET AUX /SWITCHED CENTER PIN/ISO
F7-C	E3, F3	-	-	-	OPEN
F7-D	E4, F4	30	3534213C1	3536182C1	TRAILER STOP LIGHTS
F7-E	A1, B1	30	3534213C1	3536182C1	SLEEPER HVAC BLOWER
F7-F	A2, B2	15	3534210C1	3536179C1	CUSTOMER SUPPLIED WORK LIGHT
F7-G	A3, B3	-	-	-	OPEN
F7-H	A4, B4	30	3534213C1	3536182C1	SLEEPER FUSE PANEL FEED

RELAY LOCATION - CAVITY	PART NUMBER	DESCRIPTION
G1, G2, J1, J2	3600329C1	TRAILER AUX / SOCKET CENTER PIN
G3, G4, J3, J4	3600329C1	TRAILER STOP LIGHTS

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
CNA1	14JAN09	ADDED LONESTAR EFFECT	A	61254R	U00K640	CIRCUIT DIAGRAM, PROSTAR, LONESTAR
					RELEASE NO. 59637L	DATE 06SEP06
					PART NO. AE08055906	SHEET 011

Figure 242 Connector Composite (1016)

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14.14. CONNECTOR COMPOSITE (1017), P. 12

INTERNATIONAL TRUCK AND ENGINE CORPORATION

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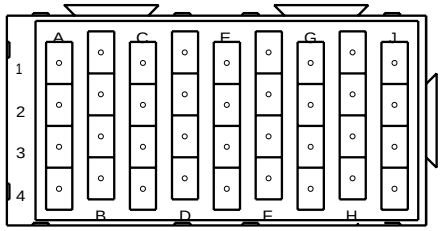
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 14

CONNECTOR BODY COMPOSITE - MATING VIEW SHOWN

FUSE BLOCK 8
(1017)
(LOCATED IN INSTRUMENT PANEL RIGHT SIDE)



CONNECTOR 3536085C1

% CRIMPED TOGETHER
* IGNITION FEED WIRING
# REMOTE START / STOP IGNITION FEED
@ IGNITION FEED W/ ICON & N/ FREEDOMLINE
& IGNITION CENTRE PIN FEED
N/ IDLE HEAT - CAB
** SLEEPER ACCESSORY FEED W/ ICON
&& ANTILOCK BRAKES W/ WABCO
@@ LONESTAR

CAV	CIR	GAUGE	COLOR	TERMINAL
A1	A14NJ	12	RD	3536301C1
A2	A14JE	12	RD	3573311C1
A3@@	A94TT2	14	GY	3573312C1
A4	A14JD	12	RD	3573311C1
B1	A54XV	16	BN	3573312C1
B2	A97VT	14	PL	3573312C1
B3@@	A94TT	14	GY	3573312C1
B4	-	-	-	-
C1	(A14NJ)	-	-	3536301C1
C2	-	-	-	-
C3	-	-	-	-
C4	-	-	-	-
D1	-	-	-	-
D2	-	-	-	-
D3	-	-	-	-
D4	-	-	-	-
E1	(A14NJ)	-	-	3536301C1
E2	A94AY	12	GY	3597157C1
E2&&	A94AY	14	GY	3548972C1
E3	-	-	-	-
E2	A94AY	18	GY	3515517C1
E4	A94T	12	GY	3573311C1
E4&	A94TV	12	GY	3573311C1
E4	A94TC	12	GY	3573311C1

CAV	CIR	GAUGE	COLOR	TERMINAL
F1	A14U	16	RD	3573312C1
F2	A14HE	12	RD	3573311C1
F3	-	-	-	-
F4	A14JC	12	RD	3573311C1
G1##	A75TP	18	LTGN	3515517C1
G2##	A14HHE	18	RD	3515517C1
G3%*	A13FF	18	PK	3573312C1
	A13FH	18	PK	
G3%@	A13FF	18	PK	3534164C1
	A13HH	18	GY	3573312C1
G3%#	A13FF	18	PK	3573312C1
	A13FH	18	GY	
G3	A13FF	18	PK	3573312C1
G4	(A94TC)	-	-	3536299C1
G4&	A94TV	12	GY	3573311C1
H1	-	-	-	-
H2**	A12	18	LTBL	3515517C1
H2##%	A75TB	18	LTGN	3573312C1
	A75TD	18	LTGN	
H3	-	-	-	-
H4	-	-	-	-
J1##	A75TR	18	LTGN	3515517C1
J1**	A12D	18	LTBL	3515517C1
J2##	A75T-GD	18	LTGN	3515517C1
J2**	A97-GA	18	PL	3515517C1
J3&	A94T	12	GY	3573311C1
J3	A94TB	12	GY	3573311C1
J4%	A13-GFF	18	WH	3573312C1
	A12-G	18	WH	3573312C1

FUSE LOCATION	CAVITY	RATING	PART NUMBER		DESCRIPTION
			FUSE	BREAKER	
F8-A	E1, F1	10	3534209C1	3536178C1	VEHICLE SENSOR MODULE
F8-B	E2, F2	30	3534213C1	3536182C1	TRACTOR ABS ECU
F8-C	E3, F3	-	-	-	OPEN
F8-D	E4, F4	30	3534213C1	3536182C1	TRAILER ABS ECU
F8-E	A1, B1	15	3534210C1	3536179C1	SKIRT LIGHTING
F8-F	A2, B2	30	3534213C1	3536182C1	TRANSMISSION - SEE NOTE 1
F8-F	A2, B2	20	3534213C1	3536182C1	INTERNATIONAL ENGINE ACTUATOR
F8-G	A3, B3	5	3534208C1	-	TRLR TRACS
F8-H	A4, B4	30	3534213C1	3536182C1	ENGINE ECU
F8-H	A4, B4	25/10	3534213C1	3536182C1	INTERNATIONAL ENGINE ECM OR ICON

RELAY LOCATION - CAVITY	PART NUMBER	DESCRIPTION
G3, G4, H4, J3, J4	3600329C1	TRAILER ABS ECU
G1, G2, J1, J2	3600329C1	ICON ACCESSORY NO IDLE HEAT CONTROL

NOTE 1: W/ EATON AUTOSHIFT,ULTRASHIFT XMSN & MERITOR FREEDOMLINE XMSN

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
CNA1	14JAN09	ADDED LONESTAR EFFECT	D	61254R	U00K640	CIRCUIT DIAGRAM, PROSTAR, LONESTAR
					RELEASE NO. 59637L	DATE 06SEP06

PART NO. AE08055906 SHEET 012

Figure 243 Connector Composite (1017)

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14.15. CONNECTOR COMPOSITE (1018), P. 13

INTERNATIONAL TRUCK AND ENGINE CORPORATION

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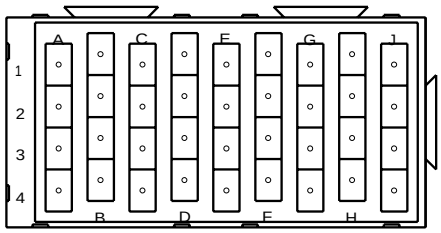
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 14

CONNECTOR BODY COMPOSITE - MATING VIEW SHOWN

FUSE BLOCK 9
(1018)
(LOCATED IN INSTRUMENT PANEL RIGHT SIDE)



CONNECTOR 3536085C1

CAV	CIR	GAUGE	COLOR	TERMINAL
A1	A81C	12	LT GN	3573311C1
A2	-	-	-	-
A3	A97E	14	PL	3573312C1
A3@	A97FZ	14	RD	3573312C1
A4	-	-	-	-
B1	A14NB	12	RD	3573311C1
B2	-	-	-	-
B3	A14KJ	12	RD	3573311C1
B4	-	-	-	-
C1	A81B	12	LT GN	3573311C1
C2&	A13FK	18	PK	3534164C1
C2%%	A14TR1A	16	RD	3515517C1
C3	-	-	-	-
C4	-	-	-	-
D1	A14MB	12	RD	3573311C1
D2%*	A13HA	18	PK	3573312C1
	A13HB	18	PK	
D3	-	-	-	-
D4	-	-	-	-
E1	-	-	-	-
E2	-	-	-	-
E3	-	-	-	-
E4	(A97H)	-	-	3536301C1

% CRIMPED TOGETHER
* IDLE REDUCTION
# IGNITION FEED WIRING
** N/ IDLE HEAT - CAB
W/ REMOTE START / STOP
@ W/ LONESTAR
%% W/ NO IDLE PACKAGE (TRI-PAC)

CAV	CIR	GAUGE	COLOR	TERMINAL
F1%##	A104AN	16	DKBL	3573312C1
	A104AP	18	DKBL	
F1**	A75TL	18	LTGN	3515517C1
F2**	A75TC	18	LTGN	3515517C1
F2##	A104AJ	16	DKBL	3573312C1
F3	-	-	-	-
F4	A14KL	12	RD	3573311C1
G1	A97X	18	PL	3573312C1
G1	A97Z	18	PL	3573312C1
G1%##	A104AL	16	DKBL	3573311C1
	A104AK	16	DKBL	
G1**	A75TK	18	LTGN	3515517C1
G2##	A104-GA	18	WH	3573312C1
G2**	A75TD	18	LTGN	3515517C1
G2%##@	A104G	18	WH	3573312C1
	A104-GA	18	WH	
G3	A97HB	16	PL	3573312C1
G4	(A97H)			3536301C1
	A104AP	18	DKBL	3515517C1
H1**	A75TJ	18	LTGN	3515517C1
H2	A13FH	18	PK	3534164C1
H2%&@	A13FH	18	PK	3573312C1
	A97Z	18	PL	
H2##	A9RB	18	GY	3534164C1
H2**	A75TA	18	LTGN	3534164C1
H3	-	-	-	-
H4	-	-	-	-
J1%#	A13F	18	PK	3573312C1
	A13FK	18	PK	
J1**	A75TH	18	LTGN	3515517C1
J1##	A104AR	18	DKBL	3515517C1
J2	A13-GFH	18	WH	3534164C1
J2##	A104-GA	18	WH	3534164C1
J2**	A75TB	18	LTGN	3534164C1
J3	A97HA	14	PL	3573312C1
J4	(A97H)			3536301C1

FUSE LOCATION	CAVITY	RATING	PART NUMBER		DESCRIPTION
			FUSE	CIR BREAKER	
F9-A	C1, D1	30	3534213C1	3536182C1	POWER WINDOW / DOOR - DRIVER
F9-B	C2, D2	7.5/3	3546109C1	3536177C1	ICON OR TRI-PAC
F9-C	E3, F3	10	3534209C1	3536178C1	INTERNATIONAL ENGINE AFTER TREATMENT
F9-D	E4, F4	20	3534211C1	3536180C1	INTERNATIONAL ENGINE ECM RELAY
F9-E	A1, B1	30	3534213C1	3536182C1	POWER WINDOW / DOOR PASSENGER
F9-F	A2, B2	-	-	-	OPEN
F9-G	A3, B3	20	3534211C1	3536180C1	INTERNATIONAL ENGINE
F9-H	A4, B4	-	-	-	OPEN

RELAY LOCATION - CAVITY	PART NUMBER	DESCRIPTION
H1, H2, J1, J2	3600330C1	SEE NOTE 1
G1, G2, F1, F2	3600330C1	SEE NOTE 2
G3, G4, H4, J3, J4	3600329C1	INTERNATIONAL ENGINE

NOTE 1: REMOTE START / STOP RELAY # 1 / NO IDLE HEAT - VALVE # 1A RELAY
NOTE 2: REMOTE START / STOP RELAY # 2 / NO IDLE HEAT - VALVE # 1B RELAY

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
CNA1	14JAN09	ADDED LONESTAR EFFECT	C	61254R	U00K640	CIRCUIT DIAGRAM, PROSTAR, LONESTAR
					RELEASE NO. 59637L	DATE 06SEP06

PART NO. AE08055906 SHEET 013

Figure 244 Connector Composite (1018)

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14.16. CONNECTOR COMPOSITE (1019), P. 14

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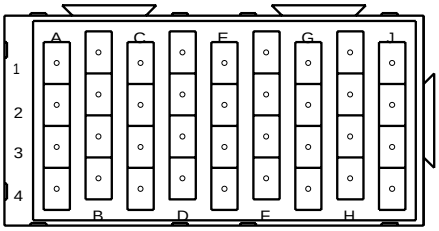
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 14

CONNECTOR BODY COMPOSITE - MATING VIEW SHOWN

FUSE BLOCK 10
(1019)
(LOCATED IN INSTRUMENT PANEL RIGHT SIDE)



CONNECTOR 3534572C1
BODY LOCK 3536085C1

CAV	CIR	GAUGE	COLOR	TERMINAL
A1%*	A53ABA	18	YL	3573312C1
	A53AB	18	YL	3573312C1
A2	A52AB	18	YL	3534164C1
A3**@	A92H	18	TN	3534164C1
A3@**	A71C	18	OR	3534164C1
A4@@@	A71BD	16	OR	3573312C1
A4@@@	A92E	16	TN	3573312C1
A4@**	A71BA	16	OR	3573312C1
B1	-	-	-	-
B2	A53ABA	18	YL	3534164C1
B3	-	-	-	-
B4%	A97F	16	PL	3573312C1
	A97FB	16	PL	
B4#	A97FB	16	PL	3573312C1
C1	A50S	18	YL	3534164C1
C2	A53-G	18	GY	3534164C1

% CRIMPED TOGETHER
* W/ TRIPMASTER
** FREEDOMLINE XMSN
@ ULTRASHIFT XMSN
& IDLE REDUCTION
# W/ INTERNATIONAL ENGINE
W/ DUAL CUSTOMER ACCESSORY
@@ W/ FREEDOMLINE & WORKLIGHT FEED
&& W/ BEACON LIGHT
%% W/ LONESTAR
! W/ PROSTAR

CAV	CIR	GAUGE	COLOR	TERMINAL
C3@	A97FA	16	PL	3573312C1
C3**	A71B	16	OR	3573312C1
C4**	A71-G	18	WH	3534164C1
C4@	A92F	18	TN	3534164C1
D1	-	-	-	-
D2	-	-	-	-
D3	-	-	-	-
D4	-	-	-	-
E1	-	-	-	-
E2	A14SAC	12	RD	3573311C1
E3	-	-	-	-
E4	A14SBC	12	RD	3573311C1
E4&&%%	A14BLT	14	RD	3573312C1
E4&!	A14HHD	16	RD	3573312C1
F1	-	-	-	-
F2	A14RC	12	RD	3573311C1
F3	-	-	-	-
F4	A14NH	12	RD	3573311C1
G1	A14SAB	18	RD	3534164C1
G2	A14SAC	12	RD	3573311C1
G3&	A17HE	18	PK	3534164C1
G3&&%%	A13BLT	18	PK	3534164C1
G3##	A14SBB	18	RD	3534164C1
G4	A14SBC	12	RD	3573311C1
G4&	A17	16	PK	3573312C1
G4&&%%	A14BLT	14	RD	3573312C1
G4##	A14SBC			
H1	-	-	-	-
H2	-	-	-	-
H3	-	-	-	-
H4	-	-	-	-
J1	A14SAD	12	LTGN	3573311C1
J2	A14-GSB	18	WH	3534164C1
J3	A14SBD	12	LTGN	3573311C1
J3&	A14HHD	16	RD	3573312C1
J3&&%%	A58BLT	14	BN	3534164C1
J3##	A14SBD			
J4	A14-GSD	18	WH	3534164C1
J4&	A17HF	18	PK	3534164C1
J4&&%%	A13-GBM	18	WH	3534164C1
J4##	A14GSD	18	WH	

FUSE LOCATION	CAVITY	RATING	PART NUMBER		DESCRIPTION
			FUSE	CIR BREAKER	
F10-A	E1, F1	-	-	-	5TH WHL JAW MNTR - LOCK
F10-B	E2, F2	30	3435213C1	3536182C1	CUSTOMER ACCESSORY # 1
F10-C	E3, F3	-	-	-	OPEN
F10-D	E4, F4	30	3435213C1	3536182C1	CUSTOMER ACCESSORY # 2 / ICON

RELAY LOCATION - CAVITY	PART NUMBER	DESCRIPTION
A1, A2, B2, C1, C2	3600329C1	TRIPMASTER HEADLIGHT INPUT
A3, A4, B4, C3, C4	3600329C1	SEE NOTE 1
G1, G2, H2, J1, J2	3600329C1	CUSTOMER ACCESSORY # 1
G3, G4, H4, J3, J4	3600329C1	CUSTOMER ACCESSORY # 2

NOTE 1 - RELAY: EATON ULTRASHIFT XMSN IGN / FREEDOMLINE XMSN BACK-UP

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
CNA1	14JAN09	ADDED LONESTAR EFFECT	B	61254R	U00K640	CIRCUIT DIAGRAM, PROSTAR, LONESTAR
					RELEASE NO. 59637L	DATE 06SEP06

PART NO. AE08055906 SHEET 014

Figure 245 Connector Composite (1019)

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14.17. CONNECTOR COMPOSITE (1020), P. 15

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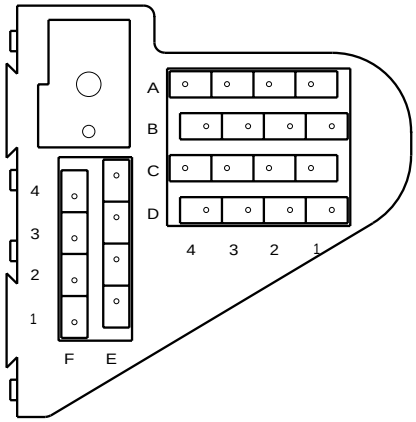
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 14

CONNECTOR BODY COMPOSITE - MATING VIEW SHOWN

FUSE BLOCK 11
(1020)
(LOCATED IN INSTRUMENT PANEL RIGHT SIDE)



CONNECTOR 3599540C1
BODY LOCK 3536085C1

% CRIMPED TOGETHER
* W/ SINGLE PTO OVERLAY
** W/ DOUBLE PTO OVERLAY
# W/ SINGLE CUSTOMER ACCESSORY
@ W/ TIRE PRESSURE DISPLAY
W/ PRODUCTIVITY DISPLAY
%% N/ IDLE HEAT - CAB
& W/ IDLE REDUCTION WITH FREEDOMLINE
&& W/ IDLE REDUCTION
@@ W/ INTERNATIONAL ENGINE & REMOTE START / STOP
*@ W/ INTERNATIONAL ENGINE
%* W/ BENDIX ABS
%# W/ WABCO ABS
#* W/ REMOTE START / STOP
*# W/ ICON
#& W/ NO IDLE HEAT

CAV	CIR	GAUGE	COLOR	TERMINAL
A1&	A97AB	18	PL	3515517C1
A1@@	A13FJ	18	PK	3515517C1
A2&	A97J	16	PL	3573312C1
A2&&*@	A97VT	14	PL	3573312C1
A3	-	-	-	-
A4	-	-	-	-
B1*@	A97VT1	14	PL	3573312C1
B1&	A97S	16	PL	3573312C1
B2&	A97-GB	18	PL	3515517C1
B2@@	A13-GFG	18	WH	3515517C1
B3	-	-	-	-
B4	-	-	-	-
C1	A88VA	18	LTGN	3534164C1
C2	A88C	18	LTGN	3534164C1
C3%**	A88V	18	LTGN	3573312C1
	A88VA	18	LTGN	
C3*	A88V	18	LTGN	3534164C1
C4	A88B	18	LTGN	3534164C1
D1	A9ZC	18	GY	3534164C1
D2	A88A	18	LTGN	3534164C1
D3%**	A9ZB	18	GY	3573312C1
	A9ZC	18	GY	
D3*	A9ZB	18	GY	3534164C1
D4	A88	18	LTGN	3534164C1
E1%	A14SA	18	RD	3573312C1
	A14SB	18	RD	
E1#	A14SA	18	RD	3534164C1
E2	A14NF	12	RD	3573312C1
E3	A14HD	12	RD	3573312C1
E4@@	A13FH	18	PK	3534164C1
	A13FJ	18	PK	
E4#*	A13FH	18	GY	3534164C1
E4*#	A13HH	18	GY	3534164C1
F1	A14NE	12	RD	3573311C1
F2	A14SE	18	PK	3534164C1
F2%@	A14SE	18	RD	3573312C1
	A22D	18	TN	
F2##	A14SE	18	PK	3534164C1
F3%&&	A14HH	18	RD	3536295C1
	A14HHE	18	RD	
F3%#&	A75T	18	LTGN	3536295C1
	A75TR	18	LTGN	
F3%%	A75T	18	LTGN	3536295C1
F4%*	A94V	18	GY	3534164C1
F4%#	A94V	14	GY	3516158C1

FUSE LOCATION	CAVITY	RATING	PART NUMBER		DESCRIPTION
			FUSE	BREAKER	
F11-A	E1, F1	5	3534208C1	N/A	CUSTOMER ACCESSORY SWITCH FEED
F11-B	E2, F2	5	3534208C1	N/A	DRIVER DISPLAY / SECONDARY DISPLAY
F11-C	E3, F3	5	3534208C1	N/A	ICON / NO - IDLE RELAY
F11-D	E4, F4	5	3534208C1	N/A	TRACTOR ABS ECU

RELAY LOCATION - CAVITY	PART NUMBER	DESCRIPTION
A1, A2, B1, B2	3600330C1	MERITOR FREEDOMLINE TRANSMISSION W/ ICON INTERNATIONAL ENGINE ACTUATOR (W/ LONESTAR)
A3, A4, B3, B4	-	NOT USABLE FOR RELAY
C1, C2, D1, D2	3600330C1	PTO B
C3, C4, D3, D4	3600330C1	PTO A

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
CNA1	14JAN09	ADDED LONESTAR EFFECT	C	61254R	U00K640	CIRCUIT DIAGRAM, PROSTAR, LONESTAR
					RELEASE NO. 59637L	DATE 06SEP06

PART NO. AE08055906 SHEET 015

Figure 246 Connector Composite (1020)

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14.18. CONNECTOR COMPOSITES (1023), (1024), P. 16

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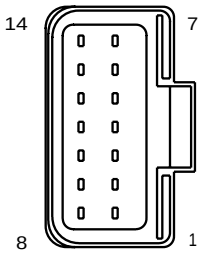
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 14

CONNECTOR BODY COMPOSITE - MATING VIEW SHOWN

GROUND
(1023)
(LOCATED IN INSTRUMENT PANEL RIGHT SIDE)

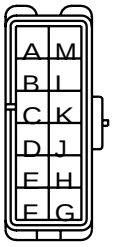


CONNECTOR 3613769C1

CAV	CIR	GAUGE	COLOR	TERMINAL
1	A11-GCB	12	WH	3612307C1
2	A56-GT	18	WH	3613771C1
3	A17-GC	18	WH	3613771C1
4	A37-GA	18	TN	3613771C1
5	A78-GA	16	WH	3613770C1
6	A78-GB	16	WH	3613770C1
7	A19-GB	18	WH	3613771C1
8**	A67-G	16	WH	3613770C1
8*	A67-G	18	WH	3613771C1
8@@	A67-GK	18	WH	3613771C1
9	A54-GX	16	WH	3613770C1
10	A65-GW	18	WH	3613771C1
11##	A72-GA	18	WH	3613771C1
11#	A72-GC	18	WH	3613771C1
12	A75T-G	18	LTGN	3613771C1
13	A13-GFG	18	WH	3613771C1
14@	A72-GB	18	WH	3613771C1

* W/ EATON VORAD VS-400
** W/ COLLISION WARNING-VORAD(EVT-300)
# TRLR SOCKET W/ SW CONTROLLED CENTER PIN
W/ AUXILIARY TRAILER SOCKET
@ W/ LONESTAR
@@ W/ WABCO ONGUARD

J1939 ADAPTER
(1024)
(LOCATED IN INSTRUMENT PANEL CENTER)



CONNECTOR 3601838C1

CAV	CIR	GAUGE	COLOR	TERMINAL
A	A5RF(-)	18	GN	3534164C1
B	A5FA(-)	18	GN	3534164C1
C	A5RH(-)	18	LTGN	3534164C1
D	A5RH(-)	18	LTGN	3534164C1
E	A5J(-)	18	GN	3534164C1
F	A5RJ(-)	18	GN	3534164C1
G	A5RJ(+)	18	YL	3534164C1
H	A5J(+)	18	YL	3534164C1
J	A5RH(+)	18	YL	3534164C1
K	A5RH(+)	18	YL	3534164C1
L	A5FA(+)	18	YL	3534164C1
M	A5RF(+)	18	YL	3534164C1

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
DLV1	19NOV09	RMVD CONNECTOR 1025.	E	63656A	U00K640	CIRCUIT DIAGRAM, PROSTAR, LONESTAR
					RELEASE NO. 59637L	DATE 06SEP06

PART NO. AE08055906 SHEET 016

Figure 247 Connector Composites (1023), (1024)

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14.19. CONNECTOR COMPOSITES (1025), (1026), P. 16A

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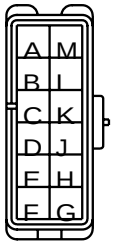
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 14

CONNECTOR BODY COMPOSITE - MATING VIEW SHOWN

J1939 ADAPTER
(1025)
(LOCATED IN INSTRUMENT PANEL CENTER)

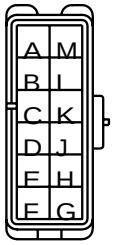


CONNECTOR 3601838C1

CAV	CIR	GAUGE	COLOR	TERMINAL
A	A5RD(-)	18	GN	3534164C1
B	A5HA(-)	18	GN	3534164C1
B*	A5HA(-)	18	GN	3534164C1
C	A5RE(-)	18	LTGN	3534164C1
D	A5RE(-)	18	LTGN	3534164C1
E	A5K(-)	18	GN	3534164C1
E	A5FD(-)	18	GN	3534164C1
F	A5RF(-)	18	GN	3534164C1
G	A5RF(+)	18	YL	3534164C1
H	A5K(+)	18	YL	3534164C1
H	A5FD(+)	18	YL	3534164C1
J	A5RE(+)	18	YL	3534164C1
K	A5RE(+)	18	YL	3534164C1
L	A5HA(+)	18	YL	3534164C1
L*	A5HA(+)	18	YL	3534164C1
M	A5RD(+)	18	YL	3534164C1

* W/ WABCO ONGUARD

J1939 ADAPTER
(1026)
(LOCATED IN INSTRUMENT PANEL CENTER)



CONNECTOR 3601838C1

CAV	CIR	GAUGE	COLOR	TERMINAL
A	A5RB(-)	18	GN	3534164C1
A*	A5R(-)	18	GN	3534164C1
B	A5P(-)	18	GN	3534164C1
C	A5RC(-)	18	LTGN	3534164C1
D	A5RC(-)	18	LTGN	3534164C1
E	A5L(-)	18	GN	3534164C1
F	A5RD(-)	18	GN	3534164C1
G	A5RD(+)	18	YL	3534164C1
H	A5L(+)	18	YL	3534164C1
J	A5RC(+)	18	YL	3534164C1
K	A5RC(+)	18	YL	3534164C1
L	A5P(+)	18	YL	3534164C1
M	A5RB(+)	18	YL	3534164C1
M*	A5R(+)	18	YL	3534164C1

* W/ ALL OPTIONS & N/ABS OR COMPASS

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
DLV1	19NOV09	INITIAL RELEASE.	A	63656A	U00SLK3	CIRCUIT DIAGRAM, PROSTAR, LONESTAR
					RELEASE NO. 63656A	DATE 19OCT09

PART NO. AE08055906 SHEET 16A

Figure 248 Connector Composites (1025), (1026)

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14.20. CONNECTOR COMPOSITES (1100M), (1101M), (1110M), P. 17

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ELECTRICAL CIRCUIT DIAGRAM CHAPTER 14

CONNECTOR BODY COMPOSITE - MATING VIEW SHOWN

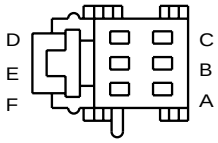
KEY SWITCH CONNECTOR
(1100M)
(LOCATED IN INSTRUMENT PANEL)

CONNECTOR 3546518C1
BODY LOCK 3546519C1

CAV	CIR	GAUGE	COLOR	TERMINAL
A	A15	18	RD	1661208C1
B*	A17H	16	PK	1661208C1
B#	A17HA	16	PK	1661208C1
C	A12	18	LTBL	1661208C1
D	A13F	18	PK	1661208C1
D&@	A13F	16	PK	1661208C1

* W/ FREEDOM LINE XMSN
# W/ MANUAL XMSN
& W/ REMOTE START-STOP
@ W/ LONESTAR

SWITCH PACK CONNECTOR
(1101M)
(LOCATED IN INSTRUMENT PANEL - CENTER)

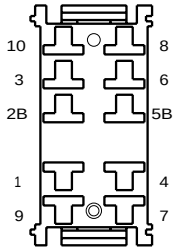


CONNECTOR 2031871C1
BODY LOCK 2031873C1

CAV	CIR	GAUGE	COLOR	TERMINAL
A	A11-GKD	18	WH	1661261C1
B	A12F	18	LTBL	1661261C1
C	A62DB	18	DKBL	1661261C1
D*	A3AA(+)	20	DKBL	3544254C1
D	A3A(+)	18	DKBL	1661261C1
E*	A3AA(-)	20	GY	3544254C1
E	A3A(-)	18	GY	1661261C1
F	-	-	-	-

* W/ POWER DOOR LOCK & WINDOWS

AUX TRAILER SOCKET SWITCH CONNECTOR
(1110M)
(LOCATED IN INSTRUMENT PANEL CENTER)



CONNECTOR 3520850C1

* TRAILER SOCKET W/ SWITCH CONTROLLED CENTER PIN
% CRIMPED TOGETHER
# W/ AUX ISO TRAILER SOCKET
@ W/ LONESTAR

CAV	CIR	GAUGE	COLOR	TERMINAL
1	A72D	18	OR	1661224C1
2B	A109C	18	GY	1661224C1
2B*	A72EB	18	OR	1661224C1
2B#@	A72B	16	OR	1661226C1
3%#@	A72-F	16	OR	1661226C1
	A72-FA	18	OR	1661226C1
3*%	A72ED	18	OR	3541250C1
	A72EC	18	OR	3541250C1
3	A72C	18	OR	1661224C1
4	-	-	-	-
5B	-	-	-	-
6	-	-	-	-
7	A72B	14	OR	1661226C1
7*	A72ED	18	OR	1661224C1
7#@	A72FA	18	OR	1661224C1
8	A62SC	18	DKBL	1661224C1
9	A72-G	18	WH	1661224C1
9#@	A72GB	18	WH	1661224C1
10	A72-GB	18	WH	1661224C1

CHK	DATE	CHANGE	REV	REFERENCE
DLV1	19NOV09	RMVD CONNECTOR 1026.	C	63656A

DRAWN U00K640
NAME CIRCUIT DIAGRAM, PROSTAR, LONESTAR
RELEASE NO. 59637L
DATE 06SEP06
PART NO. AE08055906
SHEET 017

Figure 249 Connector Composites (1100M), (1101M), (1110M)

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14.21. CONNECTOR COMPOSITES (1111M), (1112M), (1113M), P. 18

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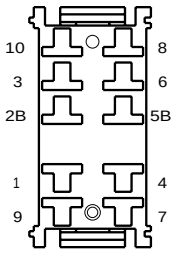
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 14

CONNECTOR BODY COMPOSITE - MATING VIEW SHOWN

PANIC BUTTON
(1111M)
(LOCATED IN INSTRUMENT PANEL CENTER)

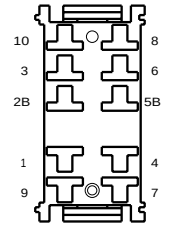


CONNECTOR 3520850C1

CAV	CIR	GAUGE	COLOR	TERMINAL
1	-	-	-	-
2B*	A98NS	18	BK	1661224C1
2B#	A11-GSA	18	WH	1661224C1
3#	A98J	18	BK	1661224C1
3*	A98Z	18	BK	1661224C1
4	-	-	-	-
5B	-	-	-	-
6	-	-	-	-
7#	A62SDA	18	DKBL	1661224C1
7*	A98NL	18	BK	1661224C1
8#%	A62SDA	18	DKBL	3541250C1
	A62SD	18	DKBL	
8*	A62N	18	DKBL	1661224C1
9	-	-	-	-
10#	A11-GSB	18	WH	1661224C1
10*	A11-GN	18	WH	1661224C1

* W/ TELEMATICS ALERT SWITCH
# W/ QUALCOMM PANIC BUTTON
% CRIMPED TOGETHER

SPARE # 1
(1112M)
(LOCATED IN INSTRUMENT PANEL CENTER)

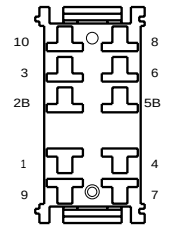


CONNECTOR 3520850C1

CAV	CIR	GAUGE	COLOR	TERMINAL
1	-	-	-	-
2B	A14SA	18	RD	1661224C1
3%	A14SAA	18	RD	3541250C1
	A14SAB	18	RD	3541250C1
4	-	-	-	-
5B	-	-	-	-
6	-	-	-	-
7	A14SAA	18	RD	1661224C1
8	A62SA	18	DKBL	1661224C1
9	A14-GSA	18	WH	1661224C1
10	-	-	-	-

% CRIMPED TOGETHER

SPARE # 2
(1113M)
(LOCATED IN INSTRUMENT PANEL CENTER)



CONNECTOR 3520850C1

CAV	CIR	GAUGE	COLOR	TERMINAL
1	-	-	-	-
2B	A14SB	18	RD	1661224C1
3%	A14SBB	18	RD	3541250C1
	A14SBA	18	RD	3541250C1
4	-	-	-	-
5B	-	-	-	-
6	-	-	-	-
7	A14SBA	18	RD	1661224C1
8	A62SB	18	DKBL	1661224C1
9	A14-GSC	18	WH	1661224C1
10	-	-	-	-

% CRIMPED TOGETHER

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
CNA1	14JAN09	TITLE WAS CIRCUIT	B	61254R	U00K640	CIRCUIT DIAGRAM, PROSTAR, LONESTAR
		DIAGRAM, PROSTAR			RELEASE NO. 59637L	DATE 06SEP06

PART NO. AE08055906 SHEET 018

Figure 250 Connector Composites (1111M), (1112M), (1113M)

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14.22. CONNECTOR COMPOSITES (1114M), (1115M), (1116M), (1117M), P. 19

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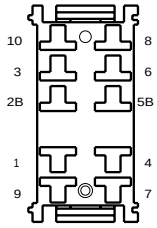
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 14

CONNECTOR BODY COMPOSITE - MATING VIEW SHOWN

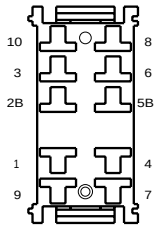
PANIC BUTTON
(1114M)
(LOCATED IN INSTRUMENT PANEL CENTER)



CONNECTOR 3520850C1

CAV	CIR	GAUGE	COLOR	TERMINAL
1	-	-	-	-
2B	A104	18	DKBL	1661224C1
3	A9RA	18	GY	1661224C1
4	-	-	-	-
5B	A104A	18	DKBL	1661224C1
6	A104AD	18	DKBL	1661224C1
7	-	-	-	-
8	A63AB	18	DKBL	1661224C1
9	-	-	-	-
10	A63-G	18	WH	1661224C1

ENGINE PRE HEAT
(1115M)
(LOCATED IN INSTRUMENT PANEL CENTER)

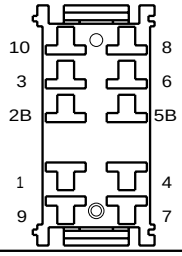


CONNECTOR 3520850C1

CAV	CIR	GAUGE	COLOR	TERMINAL
1	-	-	-	-
2B	A75TN	18	LTGN	1661224C1
3	A75TF	18	LTGN	1661224C1
4	-	-	-	-
5B	-	-	-	-
6	-	-	-	-
7%	A75TE	18	LTGN	3541250C1
	A75TF	18	LTGN	
8	A62T	18	DKBL	1661224C1
9	A75TM	18	LTGN	1661224C1
10	A75T-GC	18	LTGN	1661224C1

% CRIMPED TOGETHER

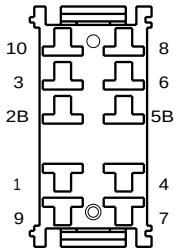
TRI-PAC
(1116M)
(LOCATED IN INSTRUMENT PANEL CENTER)
(W/ LONESTAR)



CONNECTOR 3520850C1

CAV	CIR	GAUGE	COLOR	TERMINAL
1	A14TRIA	16	RD	1661226C1
2B	A77SBY	16	LTGN	1661226C1
3	13TRIA	16	PK	1661226C1
4	-	-	-	-
5B	-	-	-	-
6	-	-	-	-
7	-	-	-	-
8	A62TRI	18	DKBL	1661224C1
9	-	-	-	-
10	A62GTRI	18	WH	1661224C1

BEACON LIGHT
(1117M)
(LOCATED IN INSTRUMENT PANEL CENTER)
(W/ LONESTAR)



CONNECTOR 3520850C1

CAV	CIR	GAUGE	COLOR	TERMINAL
1	-	-	-	-
2B	A13BL1	18	PK	1661224C1
3	A13BL2	18	PK	3541250C1
	A13BLT			
4	-	-	-	-
5B	-	-	-	-
6	-	-	-	-
7	A13BL2	18	PK	1661224C1
8	A62BLT	18	DKBL	1661224C1
9	A13-GBL	18	WH	1661224C1
10	-	-	-	-

CHK	DATE	CHANGE	REV	REFERENCE
CNA1	20JAN09	ADDED LONESTAR EFFECT	C	61254R

DRAWN U00K640
NAME CIRCUIT DIAGRAM, PROSTAR, LONESTAR
RELEASE NO. 59637L
DATE 06SEP06
PART NO. AE08055906
SHEET 019

Figure 251 Connector Composites (1114M), (1115M), (1116M), (1117M)

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14.23. CONNECTOR COMPOSITES (1200), (1210), (1215), P. 20

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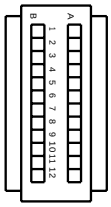
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 14

CONNECTOR BODY COMPOSITE - MATING VIEW SHOWN

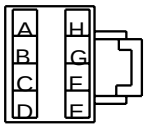
HVAC MAIN CAB CONTROL CONNECTOR
(1200)
(LOCATED IN INSTRUMENT PANEL CENTER)



CONNECTOR 3534302C1
BODY LOCK 3539892C1
3539893C1

CAV	CIR	GAUGE	COLOR	TERMINAL
A1	A73A	18	LTGN	3522073C1
A2	A75D	18	LTGN	3522073C1
A3	-	-	-	-
A4	A77A	20	LTGN	3534303C1
A5	-	-	-	-
A6	-	-	-	-
A7	-	-	-	-
A8	-	-	-	-
A9	A77C	20	LTGN	3534303C1
A10	-	-	-	-
A11	A75AB	18	LTGN	3522073C1
A12	A62DA	18	DKBL	3522073C1
B1	A74D	18	LTGN	3522073C1
B2	A74E	18	LTGN	3522073C1
B3	-	-	-	-
B4	-	-	-	-
B5	-	-	-	-
B6	A74-G	18	WH	3522073C1
B7	-	-	-	-
B8	-	-	-	-
B9	A74	18	LTGN	3522073C1
B10	A74A	18	LTGN	3522073C1
B11	A74B	18	LTGN	3522073C1
B12	A74C	18	LTGN	3522073C1

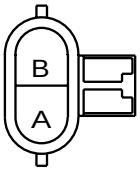
HVAC UNIT CONNECTOR
(1210)
(LOCATED IN INSTRUMENT PANEL RIGHT SIDE)



CONNECTOR 2005835C1
BODY LOCK 2006503C1

CAV	CIR	GAUGE	COLOR	TERMINAL
A	A74	18	LTGN	1661208C1
B	A74A	18	LTGN	1661208C1
C	A74B	18	LTGN	1661208C1
D	A74C	18	LTGN	1661208C1
E	A75	12	LTGN	3566715C1
F	A75A	18	LTGN	1661208C1
G	A75-G	12	WH	3566715C1
H	A75B	18	LTGN	1661208C1

SLEEPER BLOWER
(1215)
(LOCATED ON PASSENGER SIDE TRANSITION AREA - SLEEPER)



CONNECTOR 2031522C1
BODY LOCK 2033927C1

CAV	CIR	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	A75C	10	LTGN	2031531C1	2025427C1
B	A75-GC	10	WH	2031531C1	2025427C1

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
DLV1	19NOV09	RMVD CONNECTOR 1300.	C	63656A	U00K640	CIRCUIT DIAGRAM, PROSTAR, LONESTAR
					RELEASE NO. 59637L	DATE 06SEP06

PART NO. AE08055906 SHEET 020

Figure 252 Connector Composites (1200), (1210), (1215)

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14.24. CONNECTOR COMPOSITES (1300), (1301), P. 21

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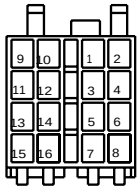
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 14

CONNECTOR BODY COMPOSITE - MATING VIEW SHOWN

RADIO CONNECTION
(1300)
(LOCATED IN INSTRUMENT PANEL CENTER)

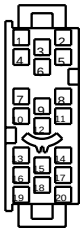


CONNECTOR 3597143C1
BODY LOCK - N/A

W/ SLEEPER SPEAKER
* W/ DAYCAB SPEAKER

CAV	CIR	GAUGE	COLOR	TERMINAL
1	A86(+)	18	YL	3597102C1
1	A86E(+)	18	YL	3597102C1
1	A86C(+)	18	YL	3597102C1
2	A86(-)	18	GN	3597102C1
2	A86E(-)	18	GN	3597102C1
2	A86C(-)	18	GN	3597102C1
3	A54D	18	BN	3597102C1
4	A86AE	18	LTGN	3597102C1
5	A86AA	18	LTGN	3597102C1
6	A62DC	18	DKBL	3597102C1
7	A86P	18	LTGN	3597102C1
8	A86-G	18	WH	3597102C1
9#	A86DB	18	LTGN	3597102C1
9*	A86DA	18	LTGN	3597102C1
10#	A86EB	18	LTGN	3597102C1
10*	A86EA	18	LTGN	3597102C1
11	A86K	18	LTGN	3597102C1
12	A86L	18	LTGN	3597102C1
13	A86H	18	LTGN	3597102C1
14	A86J	18	LTGN	3597102C1
15*	A86BA	18	LTGN	3597102C1
15#	A86BB	18	LTGN	3597102C1
16*	A86CA	18	LTGN	3597102C1
16#	A86CB	18	LTGN	3597102C1

RADIO CONNECTION
(1301)
(LOCATED IN INSTRUMENT PANEL CENTER)



CONNECTOR 3600061C1

* W/DRIVER DISPLAY

CAV	CIR	GAUGE	COLOR	TERMINAL
1	-	-	-	-
2	A86AC	18	LTGN	3600062C1
2*	A86AC	20	LTGN	3600062C1
3	-	-	-	-
4	-	-	-	-
5	A86	20	LTGN	3600062C1
6	-	-	-	-
7	A86LSIG	18	LTGN	3600062C1
7	A86AA	18	LTGN	3600062C1
7*	A86AA	20	LTGN	3600062C1
8	86LAUD	18	LTGN	3600062C1
8	A86-GS1	18	LTGN	3600062C1
8	A86GND	18	LTGN	3600062C1
9	A86-GS2	18	LTGN	3600062C1
9	A86AC	18	LTGN	3600062C1
9*	A86AC	20	LTGN	3600062C1
9	A86COM	18	LTGN	3600062C1
10	A86RSIG	18	LTGN	3600062C1
10	A86RAUD	18	LTGN	3600062C1
10	A86AB	18	LTGN	3600062C1
10*	A86AB	20	LTGN	3600062C1
11	A86AD	20	LTGN	3600062C1
12	-	-	-	-
13	-	-	-	-
14	-	-	-	-
15	-	-	-	-
16	-	-	-	-
17	-	-	-	-
18	-	-	-	-
19	-	-	-	-
20	-	-	-	-

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
DLV1	19NOV09	RVSD: RMVD 1305 AND	C	63656A	U00K640	CIRCUIT DIAGRAM, PROSTAR, LONESTAR
	1378. ADDED 1300.				RELEASE NO. 59637L	DATE 06SEP06

PART NO. AE08055906 SHEET 021

Figure 253 Connector Composites (1300), (1301)

https://truckmanualshub.com/

14.25. CONNECTOR COMPOSITES (1305), (1378), P. 21A

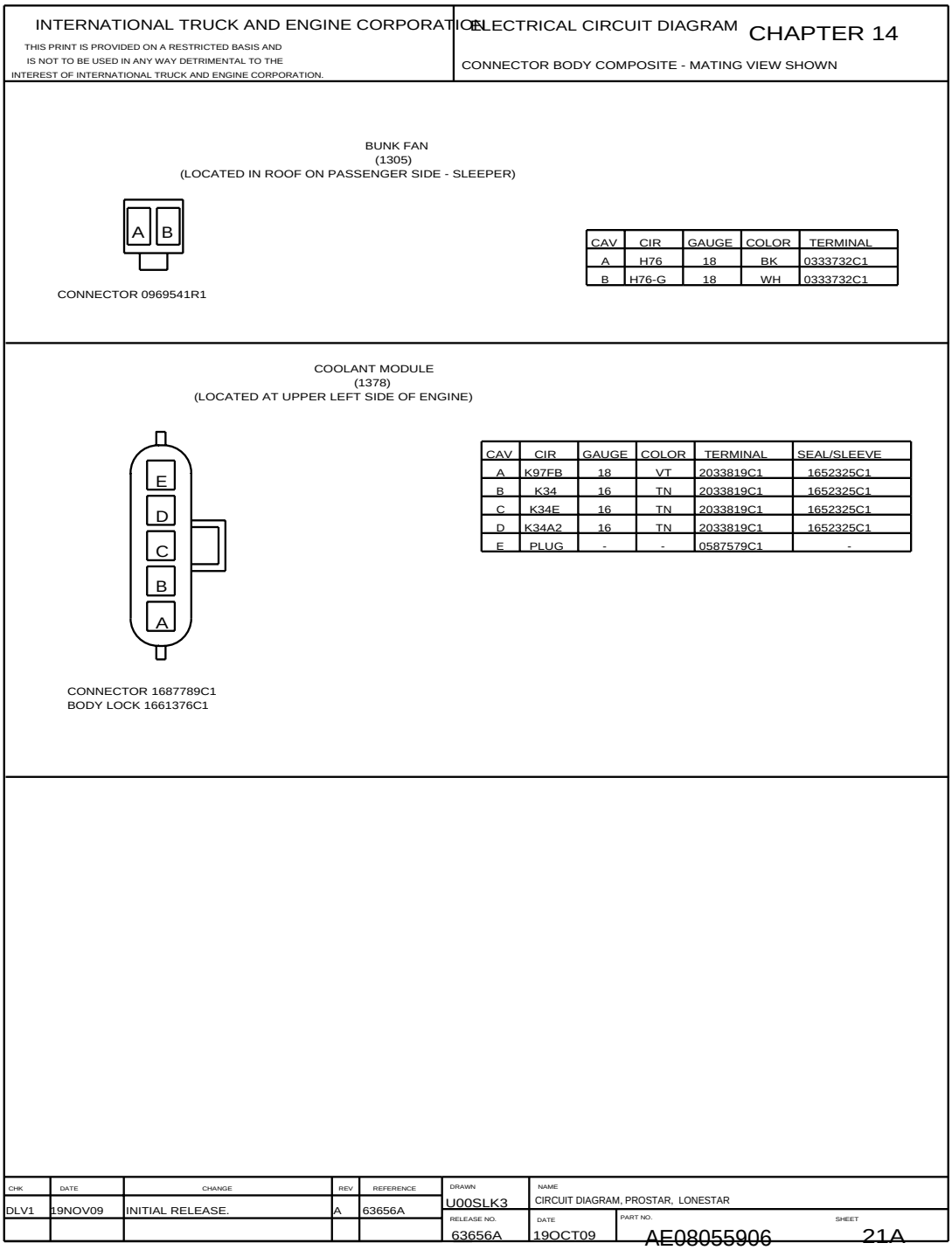


Figure 254 Connector Composites (1305), (1378)

https://truckmanualshub.com/

14.26. CONNECTOR COMPOSITES (1400), (1401), (1402), P. 22

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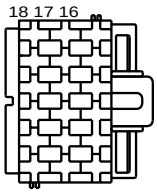
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 14

CONNECTOR BODY COMPOSITE - MATING VIEW SHOWN

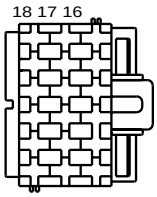
ABS # 1
(1400)
(LOCATED ON RIGHT-SIDE KICK PANEL - ABS MODULE)



CONNECTOR 3596926C1
BODY LOCK 3562309C1

CAV	CIR	GAUGE	COLOR	TERMINAL
1	A94-GA	12	WH	3597157C1
2	-	-	-	-
3	A94V	18	GY	3598072C1
4	A94BN	18	GY	3598072C1
5	A94BM	18	GY	3598072C1
6	-	-	-	-
7	A5N(-)	18	GN	3598072C1
8	A5N(+)	18	YL	3598072C1
9	-	-	-	-
10	A94BH	16	GY	3598073C1
11	A94BF	16	GY	3598073C1
12	A94-GB	16	WH	3548970C1
13	A3BA(-)	18	GY	3598072C1
14	A3BA(+)	18	DKBL	3598072C1
15	-	-	-	-
16	A94AY	12	GY	3597157C1
17	-	-	-	-
18	-	-	-	-

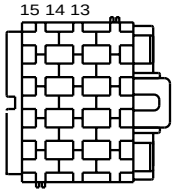
ABS # 2
(1401)
(LOCATED ON RIGHT-SIDE KICK PANEL ABS MODULE)



CONNECTOR 3596929C1

CAV	CIR	GAUGE	COLOR	TERMINAL
1	A94B	18	GY	3598072C1
2	A94	18	GY	3598072C1
3	A94A	18	GY	3598072C1
4	A94K	18	GY	3598072C1
5	A94C	16	GY	3598073C1
6	A94J	18	GY	3598072C1
7	A94H	18	GY	3598072C1
8	A94D	16	GY	3598073C1
9	A94BK	18	GY	3598072C1
10	A94BL	18	GY	3598072C1
11	A94E	16	GY	3598073C1
12	A94BB	18	GY	3598072C1
13	A94BJ	18	GY	3598072C1
14	A94F	16	GY	3598073C1
15	A94BE	16	GY	3598073C1
16	A94BC	18	GY	3598072C1
17	A94BA	18	GY	3598072C1
18	A94BD	16	GY	3598073C1

ABS # 3
(1402)
(LOCATED ON RIGHT-SIDE KICK PANEL ABS MODULE)



CONNECTOR 3596928C1

CAV	CIR	GAUGE	COLOR	TERMINAL
1	-	-	-	-
2	-	-	-	-
3	A94SK	18	GY	3598072C1
4*	A94BP	16	GY	3598073C1
5	A94SJ	18	GY	3598072C1
6*	A94BN	16	GY	3598073C1
7*	A94BM	16	GY	3598073C1
8	-	-	-	-
9*	A94BT	16	GY	3598073C1
10*	A94BU	16	GY	3598073C1
11*	A94BR	16	GY	3598073C1
12*	A94BW	16	GY	3598073C1
13*	A94BS	16	GY	3598073C1
14*	A94BQ	16	GY	3598073C1
15*	A94BV	16	GY	3598073C1

* W/ LONESTAR

CHK	DATE	CHANGE	REV	REFERENCE
CNA1	14JAN09	ADDED LONESTAR EFFECT	A	61254R

DRAWN U00K640
NAME CIRCUIT DIAGRAM, PROSTAR, LONESTAR
RELEASE NO. 59637L
DATE 06SEP06
PART NO. AE08055906
SHEET 022

Figure 255 Connector Composites (1400), (1401), (1402)

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14.27. CONNECTOR COMPOSITES (1403), (1410), (1420), P. 23

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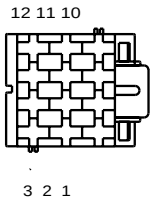
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 14

CONNECTOR BODY COMPOSITE - MATING VIEW SHOWN

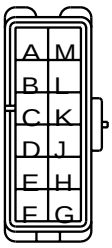
ABS #4
(1403)
(LOCATED ON RIGHT-SIDE KICK PANEL ABS MODULE)



CONNECTOR 3596927C1

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

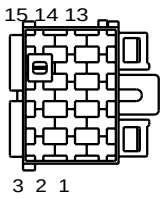
ABS ATC & RSP
SPLICE PACK
(1410)
(LOCATED IN INSTRUMENT PANEL - CENTER)



CONNECTOR 3601838C1
BODY LOCK 3601839C1

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

WABCO ABS CONN
(1420)
(LOCATED ON RIGHT-SIDE KICK PANEL - ABS MODULE)



CONNECTOR 3557922C1
BODY LOCK 3549120C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	A5N(-)	18	GN	3548971C1
2	-	-	-	-
3	A5N(+)	18	YL	3548971C1
4	A94-GB	18	WH	3548971C1
5	-	-	-	-
6	-	-	-	-
7	A94V	18	GY	3548971C1
7*	A94V	14	GY	3548972C1
8	A94AY	18	GY	3548971C1
8*	A94AY	14	GY	3548972C1
9	A94-GA	18	WH	3548969C1
10	A3BA(-)	18	GY	3548971C1
11	A3BA(+)	18	DK BL	3548971C1
12	-	-	-	-
13	-	-	-	-
14	-	-	-	-
15	-	-	-	-

* W/ LONESTAR

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
CNA1	14JAN09	ADDED LONESTAR EFFECT	A	61254R	U00K640	CIRCUIT DIAGRAM, PROSTAR, LONESTAR
					RELEASE NO. 59637L	DATE 06SEP06

PART NO. AE08055906 SHEET 023

Figure 256 Connector Composites (1403), (1410), (1420)

https://truckmanualshub.com/

14.28. CONNECTOR COMPOSITES (1421), (1422), (1423), P. 24

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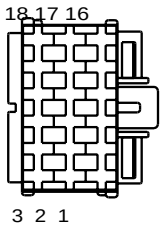
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 14

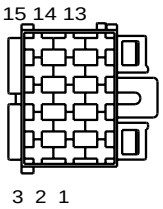
CONNECTOR BODY COMPOSITE - MATING VIEW SHOWN



WABCO ABS CONN (1421) (LOCATED ON RIGHT - SIDE KICK PANEL - ABS MODULE)

CONNECTOR 3557921C1
BODY LOCK 3562309C1

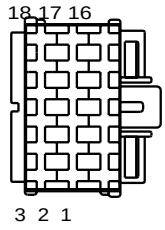
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	A94MK	18	GY	3548971C1
2	A94BC	18	GY	3548971C1
3	A94MB	18	GY	3548971C1
4	A94MH	18	GY	3548971C1
5	A94BA	18	GY	3548971C1
6	A94M	18	GY	3548971C1
7	A94BN	18	GY	3548971C1
8	A94BL	18	GY	3548971C1
9	A94BJ	18	GY	3548971C1
10	A94ME	18	GY	3548971C1
11	A94BD	18	GY	3548971C1
12	A94MC	18	GY	3548971C1
13	A94MF	18	GY	3548971C1
14	A94BE	18	GY	3548971C1
15	A94MD	18	GY	3548971C1
16	A94BM	18	GY	3548971C1
17	A94BH	18	GY	3548971C1
18	A94BF	18	GY	3548971C1



WABCO ABS CONN (1422) (LOCATED ON RIGHT-SIDE KICK PANEL - ABS MODULE)

CONNECTOR 3548978C1
BODY LOCK 3549120C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	-	-	-	-
2	-	-	-	-
3	-	-	-	-
4	-	-	-	-
5	-	-	-	-
6	-	-	-	-
7	-	-	-	-
8	A94SJ	18	GY	3548971C1
9	-	-	-	-
10	-	-	-	-
11	-	-	-	-
12	-	-	-	-
13	A94SK	18	GY	3548971C1
14	-	-	-	-
15	-	-	-	-



WABCO ABS CONN (1423) (LOCATED ON RIGHT - SIDE KICK PANEL - ABS MODULE)

CONNECTOR 3846885C1
BODY LOCK 3562309C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	-	-	-	-
2	-	-	-	-
3	-	-	-	-
4	-	-	-	-
5	-	-	-	-
6	-	-	-	-
7	-	-	-	-
8	GX94BY	18	GY	3548971C1
9	-	-	-	-
10	-	-	-	-
11	GX94-GC	18	WH	3548971C1
12	-	-	-	-
13	-	-	-	-
14	GX94MN	18	GY	3548971C1
15	-	-	-	-
16	-	-	-	-
17	-	-	-	-
18	-	-	-	-

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
CNA1	07OCT09	W484//ADDED CONN 1423;	B	62556A	U00K640	CIRCUIT DIAGRAM, PROSTAR, LONESTAR
	CONN 1500,	1501 MOVED TO SHEET 24A.			RELEASE NO. 59637L	DATE 06SEP06

PART NO. AE08055906 SHEET 024

Figure 257 Connector Composites (1421), (1422), (1423)

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14.29. CONNECTOR COMPOSITES (1500), (1501), P. 24A

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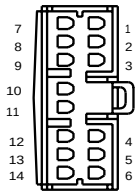
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 14

CONNECTOR BODY COMPOSITE - MATING VIEW SHOWN

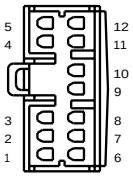
CLUSTER #1
(1500)
(LOCATED IN INSTRUMENT PANEL - CLUSTER)



CONNECTOR 3548792C1

CAV	CIR	GAUGE	COLOR	TERMINAL
1	A11-GKE	16	WH	2018639C1
2	A14EE	16	RD	2018639C1
3	-	-	-	-
4	A62	18	DKBL	2018639C1
5	A62A	18	DKBL	2018639C1
6	A62B	16	DKBL	2018639C1
7	A13EA	18	PK	2018639C1
8	A109	18	GY	2018639C1
9	A72C	18	OR	2018639C1
10	A72D	18	OR	2018639C1
11	A63E	18	DKBL	2018639C1
12	A63F	18	DKBL	2018639C1
13	-	-	-	-
14	-	-	-	-

CLUSTER #2
(1501)
(LOCATED IN INSTRUMENT PANEL - CLUSTER)



CONNECTOR 2018590C1

CAV	CIR	GAUGE	COLOR	TERMINAL
1	A109B	18	GY	2018639C1
2	A106	18	GY	2018639C1
3	-	-	-	-
4	A109C	18	GY	2018639C1
5	-	-	-	-
6	A109S	18	GY	2018639C1
7	A61B	18	GY	2018639C1
8	A61	18	GY	2018639C1
9	A41	18	TN	2018639C1
10	A52C	20	YL	2018639C1
11	A5D(-)	18	GN	2018639C1
12	A5D(+)	18	YL	2018639C1

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
CNA1	07OCT09	INITIAL RELEASE.	A	62556A	U00W484	CIRCUIT DIAGRAM, PROSTAR, LONESTAR
					RELEASE NO. 62556A	DATE 10SEP09

PART NO. AE08055906 SHEET 24A

Figure 258 Connector Composites (1500), (1501)

https://truckmanualshub.com/

14.30. CONNECTOR COMPOSITES (1502), (1510), P. 25

INTERNATIONAL TRUCK AND ENGINE CORPORATION

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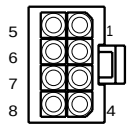
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 14

CONNECTOR BODY COMPOSITE - MATING VIEW SHOWN

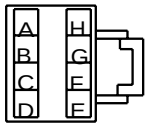
SECONDARY INSTRUMENT CLUSTER
(1502)
(LOCATED IN INSTRUMENT PANEL - CENTER)



CONNECTOR 3534177C1

CAV	CIR	GAUGE	COLOR	TERMINAL
1	A14EF	18	RD	3534193C1
2	A13EH	18	PK	3534193C1
3	-	-	-	-
4	A5J(-)	18	GN	3534193C1
5	A11-GSF	16	WH	3534193C1
6	A62BH	18	DKBL	3534193C1
7	A5J(+)	18	YL	3534193C1
8	-	-	-	-

RIGHT BANK OPTIONAL
WARNING LIGHTS
(1510)
(LOCATED IN INSTRUMENT PANEL - RIGHT REAR OF CLUSTER)



CONNECTOR 2005835C1
BODY LOCK 2006503C1

CAV	CIR	GAUGE	COLOR	TERMINAL
A	A63-GC	18	WH	1661208C1
B	A13BA	20	PK	1661208C1
C	A13BB	20	PK	1661208C1
D	A13BC	20	PK	1661208C1
E	A49	18	GY	1661208C1
E*	A95H	18	TN	1661208C1
F	A24A	18	GY	1661208C1
G	A49A	18	GY	1661208C1
G*	A95F	18	TN	1661208C1
H	A63AW	18	DKBL	1661208C1

* W/ LONESTAR

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
CNA1	20JAN09	ADDED LONESTAR EFFECT	A	61254R	U00K640	CIRCUIT DIAGRAM, PROSTAR, LONESTAR
					RELEASE NO. 59637L	DATE 06SEP06

PART NO. AE08055906 SHEET 025

Figure 259 Connector Composites (1502), (1510)

https://truckmanualshub.com/

14.31. CONNECTOR COMPOSITES (1511), (1550), (1556), P. 26

INTERNATIONAL TRUCK AND ENGINE CORPORATION

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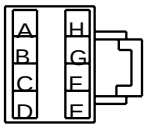
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 14

CONNECTOR BODY COMPOSITE - MATING VIEW SHOWN

LEFT BANK OPTIONAL WARNING LIGHTS (1511)
(LOCATED IN INSTRUMENT PANEL - LEFT REAR OF CLUSTER)

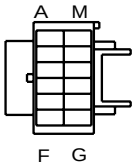


CONNECTOR 2005835C1
BODY LOCK 2006503C1

@@ W/ SLEEPER CAB
@ W/ DAY CAB
* W/ IDLE REDUCTION
# ALTERNATOR WARNING LIGHT
MOTIENT MOBILE MAX - SLEEPER / DAYCAB

CAV	CIR	GAUGE	COLOR	TERMINAL
A*	A97W	18	PL	1661208C1
A#	A1A	18	PK	1661208C1
B	A13BD	20	PK	1661208C1
C	A13BE	20	PK	1661208C1
D	A13BF	20	PK	1661208C1
E	A49	18	GY	1661208C1
F@	A98F	18	BK	1661208C1
F@@	A98F	18	TN	1661208C1
F##	A98F	18	LTGN	1661208C1
G	A49A	18	GY	1661208C1
H*	A97V	18	PL	1661208C1
H#	A1	18	LTBL	1661208C1

VEHICLE INFORMATION DISPLAY (1550)
(LOCATED IN INSTRUMENT PANEL - CENTER)

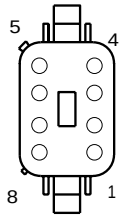


CONNECTOR 3609945C1
BODY LOCK 3609946C1
3609947C1

CAV	CIR	GAUGE	COLOR	TERMINAL
A	-	-	-	-
B	A12C	18	LTBL	3522073C1
C	A5L(-)	18	GN	3522073C1
D	A3BC(+)	20	DKBL	3534303C1
E	-	-	-	-
F	-	-	-	-
G	-	-	-	-
H	-	-	-	-
J	A11-GKH	18	WH	3522073C1
K	A3BC(-)	20	GY	3534303C1
L	A5L(+)	18	YL	3522073C1
M*	A14SE	18	RD	3522073C1
M	A14SE	18	PK	3522073C1

* W/ TIRE PRESSURE

CAT MESSENGER DISPLAY (1556)
(LOCATED IN INSTRUMENT PANEL CENTER)
(W/ LONESTAR)



CONNECTOR 3534763C1
BODY LOCK 3534766C1

CAV	CIR	GAUGE	COLOR	TERMINAL
1	A14SE	18	RD	1680205C1
2	A11-GSE	18	WH	1680205C1
3	A13SE	18	PK	1680205C1
4	A62BB	18	DKBL	1680205C1
5	A3BC(-)	18	GY	1680205C1
6	A3BC(+)	18	DKBL	1680205C1
7	PLUG	-	-	0453133C1
8	PLUG	-	-	0453133C1

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
CNA1	14JAN09	ADDED LONESTAR EFFECT	C	61254R	U00K640	CIRCUIT DIAGRAM, PROSTAR, LONESTAR
					RELEASE NO. 59637L	DATE 06SEP06

PART NO. AE08055906 SHEET 026

Figure 260 Connector Composites (1511), (1550), (1556)

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14.32. CONNECTOR COMPOSITES (1557), (1600), P. 27

INTERNATIONAL TRUCK AND ENGINE CORPORATION

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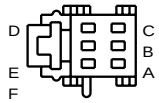
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 14

CONNECTOR BODY COMPOSITE - MATING VIEW SHOWN

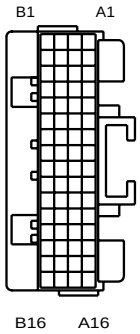
ROAD RELAY FOR DISPLAY POWER
(1557)
(LOCATED IN INSTRUMENT PANEL - CENTER)
(W/ LONESTAR)



CONNECTOR 2031871C1
BODY LOCK 2031873C1

CAV	CIR	GAUGE	COLOR	TERMINAL
A	A11-GSE	18	WH	1661261C1
B	A14SE	18	RD	1661261C1
C	A13SE	18	PK	1661261C1
D	A3BC(-)	20	GY	3544254C1
E	A3BC(+)	20	DKBL	3544254C1
F	A62BB	18	DKBL	1661261C1

BODY CONTROLLER # J3
(1600)
(LOCATED ON LEFT-SIDE KICK PANEL - BODY CONTROLLER)



CONNECTOR 3598706C1
BODY LOCK 1618846C1
1618847C1

CAV	CIR	GAUGE	COLOR	TERMINAL
A1	A12CV	18	LTBL	3522073C1
A2	A77A	20	LTGN	3534303C1
A3	A77C	20	LTGN	3534303C1
A4	A52D	20	YL	3534303C1
A5	A85A	20	GY	3534303C1
A6	A57B	20	OR	3534303C1
A7	A56B	20	OR	3534303C1
A8	A87A	18	GY	3522073C1
A9	A82A	20	GY	3534303C1
A10	A82B	20	GY	3534303C1
A11	A82C	20	GY	3534303C1
A12	A44	20	GY	3534303C1
A13	A63A	18	DKBL	3522073C1
A14	A102A	20	YL	3534303C1
A15	A87B	20	GY	3534303C1
A16	A13	18	PK	3522073C1
B1	A100	20	GY	3534303C1
B2	A40	20	GY	3534303C1
B3	A40A	20	GY	3534303C1
B4	A97A	18	PL	3522073C1
B5	A77E	20	LTGN	3534303C1
B6	A30	16	TN	3522073C1
B7	A31	18	TN	3522073C1
B8	A36B	18	TN	3522073C1
B9	A36A	18	TN	3522073C1
B10	A32	18	TN	3522073C1
B11	A32A	18	TN	3522073C1
B12	A77B	20	LTGN	3534303C1
B13	A77D	20	LTGN	3534303C1
B14	A40B	18	GY	3522073C1
B15	A75AA	18	LTGN	3522073C2
B16	A97	20	PL	3534303C1

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
CNA1	14JAN09	ADDED LONESTAR EFFECT	B	61254R	U00K640	CIRCUIT DIAGRAM, PROSTAR, LONESTAR
					RELEASE NO. 59637L	DATE 06SEP06

PART NO. AE08055906 SHEET 027

Figure 261 Connector Composites (1557), (1600)

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14.33. CONNECTOR COMPOSITE (1601), P. 28

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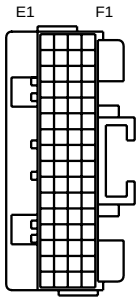
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 14

CONNECTOR BODY COMPOSITE - MATING VIEW SHOWN

BODY CONTROLLER # J4
(1601)
(LOCATED ON LEFT-SIDE KICK PANEL - BODY CONTROLLER)



CONNECTOR 3598707C1
BODY LOCK 1618846C1
1618847C1

CAV	CIR	GAUGE	COLOR	TERMINAL
E1	A95F	18	TN	3522073C1
E2	A95H	18	TN	3522073C1
E3	-	-	-	-
E4	A24A	18	GY	3522073C1
E5	A63J	20	DKBL	3534303C1
E6	A82H	18	GY	3522073C1
E7	A82F	18	GY	3522073C1
E8	A104AA	18	DKBL	3522073C1
E9	A59H	18	GY	3522073C1
E10	A68	18	BN	3522073C1
E11	A72	18	OR	3522073C1
E12	A59C	18	GY	3522073C1
E13	A59E	18	GY	3522073C1
E14	A104A	18	DKBL	3522073C1
E15	A57C	18	OR	3522073C1
E16	-	-	-	-
F1	A104AB	18	DKBL	3522073C1
F2	A63C	18	DKBL	3522073C1
F3	A104AF	18	DKBL	3522073C1
F3*	A75TP	18	LTGN	3522073C1
F3#	A97AA	18	PL	3522073C1
F4	A59F	18	GY	3522073C1
F5	A59J	18	GY	3522073C1
F6	A14LA	18	RD	3522073C1
F7	A14LB	18	RD	3522073C1
F8	A59D	18	GY	3522073C1
F9	A97AB	18	PL	3522073C1
F10	A59B	18	GY	3522073C1
F11	A37	20	TN	3534303C1
F12	A19A	18	GY	3522073C1
F13	A56C	18	OR	3522073C1
F14	A54C	18	BN	3522073C1
F15	A70C	18	OR	3522073C1
F16	A54XD	16	BN	3522073C1

* NO IDLE HEAT WIRING
# SLEEPER ACCESSORY FEED W/ ICON

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
CNA1	14JAN09	TITLE WAS CIRCUIT	C	61254R	U00K640	CIRCUIT DIAGRAM, PROSTAR, LONESTAR
	DIAGRAM, PROSTAR				RELEASE NO. 59637L	DATE 06SEP06

PART NO. AE08055906 SHEET 028

Figure 262 Connector Composite (1601)

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14.34. CONNECTOR COMPOSITE (1602), P. 29

INTERNATIONAL TRUCK AND ENGINE CORPORATION

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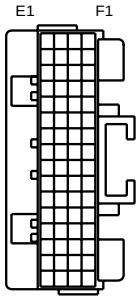
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 14

CONNECTOR BODY COMPOSITE - MATING VIEW SHOWN

BODY CONTROLLER # J5
(1602)
(LOCATED ON LEFT-SIDE KICK PANEL - BODY CONTROLLER)



CONNECTOR 3598705C1
BODY LOCK 1618846C1
1618847C1

CAV	CIR	GAUGE	COLOR	TERMINAL
E1@	A3A(-)	20	GY	3534303C1
E1*	A3A(-)	18	GY	3522073C1
E2*	A3A(+)	18	DKBL	3522073C1
E2@	A3A(+)	20	DKBL	3534303C1
E3	A9Z	18	GY	3522073C1
E4	A6	20	GY	3534303C1
E5	A9A	18	GY	3522073C1
E6	A6DB	20	GY	3534303C1
E7	A9B	18	GY	3522073C1
E8	-	-	-	-
E9	-	-	-	-
E10	-	-	-	-
E11	A52C	20	YL	3534303C1
E12	A59A	18	GY	3522073C1
E13	A23A	18	TN	3522073C1
E14	A70	20	OR	3534303C1
E15	-	-	-	-
E16	A11-GL	18	WH	3522073C1
F1	-	-	-	-
F2	A5(-)	18	GN	3522073C1
F2@^	A5(-)	18	GN	3522073C1
F2*^	A5(-)	18	GN	3522073C1
F3	A5(+)	18	YL	3522073C1
F3@^	A5(+)	18	YL	3522073C1
F3*^	A5(+)	18	YL	3522073C1
F4	-	-	-	-
F5	A5E(-)	18	GN	3522073C1
F6	A5E(+)	18	YL	3522073C1
F7	-	-	-	-
F8	A24	18	GY	3522073C1
F9	A28	18	TN	3522073C1
F10	A71BB	18	OR	3522073C1
F10#	A71BC	18	OR	3522073C1
F11^	A116LB	18	GY	3522073C1
F12**	A104AC	18	DKBL	3522073C1
F12##	A97P	18	PL	3522073C1
F13**	A104AR	18	DKBL	3522073C1
F13&	A23A	18	TN	3522073C1
F14	A88B	18	LTGN	3522073C1
F15&&	A88C	18	LTGN	3522073C1
F15**	A104	18	DKBL	3522073C1
F16^	A116UB	18	GY	3522073C1

* N/ POWER DOOR LOCK & WINDOWS
@ W/ POWER DOOR LOCK & WINDOWS
# W/ FREEDOM LINE
** W/ REMOTE START / STOP
W/ IDLE REDUCTION
& VARIABLE SPEED ENGINE FAN
&& W/ DUAL PTO
^ W/ LONESTAR

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
CNA1	14JAN09	ADDED LONESTAR EFFECT	C	61254R	U00K640	CIRCUIT DIAGRAM, PROSTAR, LONESTAR
					RELEASE NO. 59637L	DATE 06SEP06

PART NO. AE08055906 SHEET 029

Figure 263 Connector Composite (1602)

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14.35. CONNECTOR COMPOSITES (1603), (1604), P. 30

INTERNATIONAL TRUCK AND ENGINE CORPORATION

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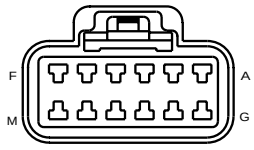
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 14

CONNECTOR BODY COMPOSITE - MATING VIEW SHOWN

BODY CONTROLLER # J1
(1603)
(LOCATED ON LEFT - SIDE TRIM KICK PANEL - BODY CONTROLLER)



CONNECTOR 3598711C1

CAV	CIR	GAUGE	COLOR	TERMINAL
A@	A57	16	OR	3544876C1
A*	A57N	16	OR	3544876C1
B@	A56	16	OR	3544876C1
B*	A56N	16	OR	3544876C1
C	A77	18	LTGN	3544876C1
D	A56A	14	OR	3544877C1
E	A85	16	GY	3544876C1
F	A64A	16	YL	3544876C1
G	A65	18	OR	3544876C1
G#	A65AA	16	OR	3544876C1
H	A78A	16	LTGN	3544876C1
J	-	-	-	-
K	A64B	16	YL	3544876C1
L	A78B	16	LTGN	3544876C1
M	A57A	14	OR	3544877C1

@ N/ COLLISION WARNING
* W/ MIRROR MTD TURN
# W/ CUSTOMER SUPPLIED LIGHT

BODY CONTROLLER # J2
(1604)
(LOCATED ON LEFT-SIDE TRIM KICK PANEL - BODY CONTROLLER)

CONNECTOR 3598707C1
&3598710C1

CAV	CIR	GAUGE	COLOR	TERMINAL
A	A82	16	GY	3544876C1
B@	A53AA	14	YL	3544877C1
B*	A53A	14	YL	3544877C1
C@	A52AA	14	YL	3544877C1
C*	A52A	14	YL	3544877C1
D	-	-	-	-
E	A11-GKC	12	WH	3544877C1
F#	A58C	16	BN	3544876C1
F##	A58C	18	BN	3544876C1
G@	A54	16	BN	3544876C1
G*&	A54	16	BN	3544876C1
H@	A53B	14	YL	3544877C1
H*&	A53B	14	YL	3544877C1
J	A63	18	DKBL	3544876C1
K@	A52B	14	YL	3544877C1
K*&	A52B	14	YL	3544877C1

@ W/ TRIP MASTER
* N/ TRIP MASTER
# W/ DAY CAB AIR SHIELD
W/ SLEEPER CAB AIR SHIELD
& W/ LONESTAR

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
CNA1	14JAN09	ADDED LONESTAR EFFECT	B	61254R	U00K640	CIRCUIT DIAGRAM, PROSTAR, LONESTAR
					RELEASE NO. 59637L	DATE 06SEP06

PART NO. AE08055906 SHEET 030

Figure 264 Connector Composites (1603), (1604)

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14.36. CONNECTOR COMPOSITES (1620), (1650), (1657), (1657M), P. 31

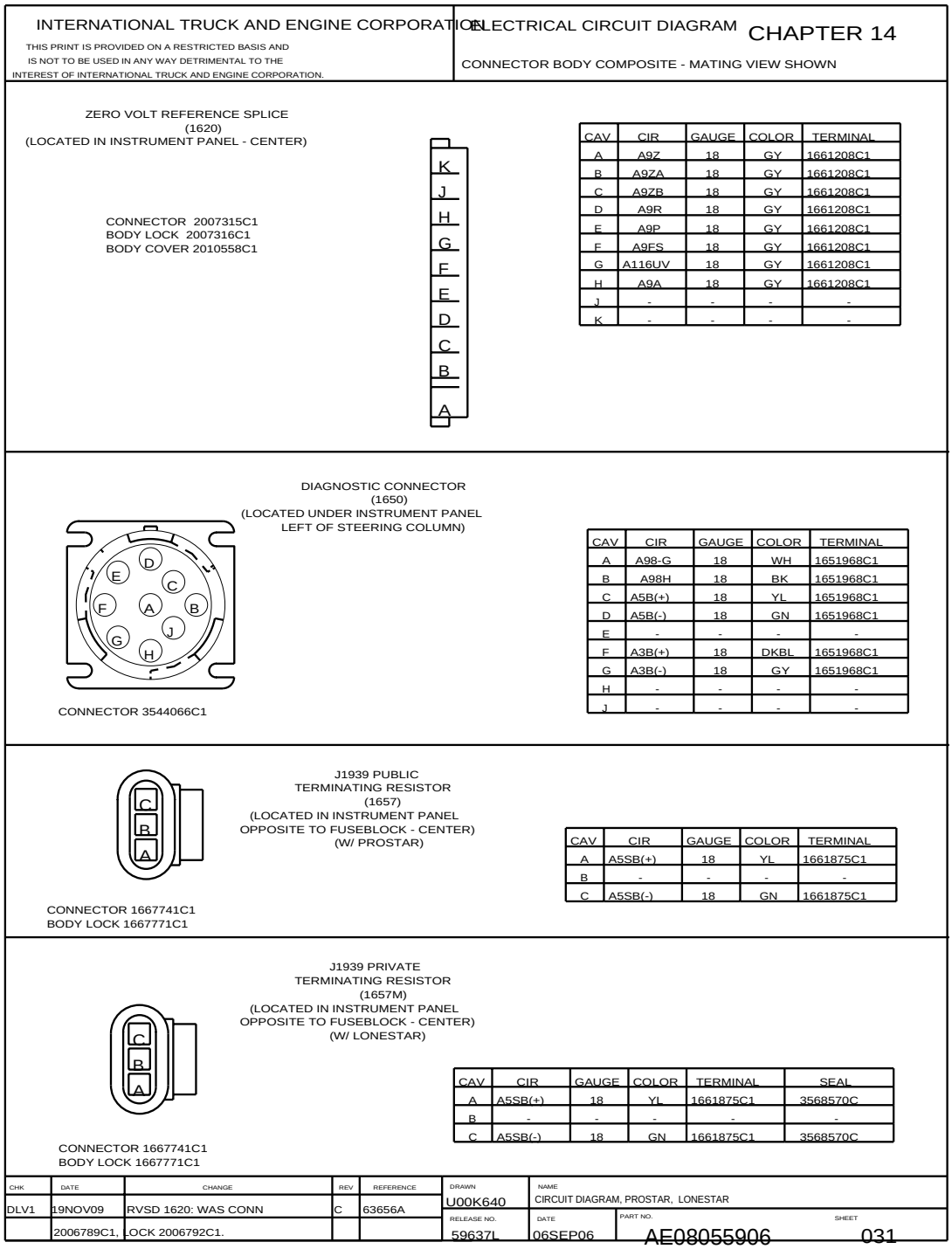

Figure 265 Connector Composites (1620), (1650), (1657), (1657M)

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14.37. CONNECTOR COMPOSITES (1660), (1661), P. 32

INTERNATIONAL TRUCK AND ENGINE CORPORATION

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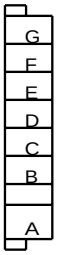
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 14

CONNECTOR BODY COMPOSITE - MATING VIEW SHOWN

J1708 PUBLIC(+)
CONNECTOR
(1660)
(LOCATED IN INSTRUMENT PANEL LEFT SIDE)

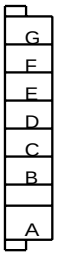


CAV	CIR	GAUGE	COLOR	TERMINAL
A	A3B(+)	18	DKBL	1661208C1
B*	A98A(+)	18	DKBL	1661208C1
B	A3BA(+)	18	DKBL	1661208C1
B**	A3BD(+)	18	DKBL	1661208C1
C	A3H(+)	18	DKBL	1661208C1
D#	A3BC(+)	18	DKBL	1661208C1
D##	A3BC(+)	20	DKBL	1661208C1
E@	A3BN(+)	18	DKBL	1661208C1
E	A3BD(+)	18	DKBL	1661208C1
F*	A3BE(+)	20	DKBL	1661208C1
F**	A3BD(+)	18	DKBL	1661208C1
G	A3BF(+)	20	DKBL	1661208C1

CONNECTOR 2006789C1
BODY LOCK 2006792C1

* W/ DAY CAB
** W/ SLEEPER
# W/ CAT ENGINE DISPLAY
W/ CUMMINS ENGINE DISPLAY
@ W/ TELEMATICS

J1708 PUBLIC(-)
CONNECTOR
(1661)
(LOCATED IN INSTRUMENT PANEL LEFT SIDE)



CAV	CIR	GAUGE	COLOR	TERMINAL
A	A3B(-)	18	GY	1661208C1
B*	A98B(-)	18	GY	1661208C1
B	A3BA(-)	18	GY	1661208C1
B**	A98BD(-)	18	GY	1661208C1
C	A3H(-)	18	GY	1661208C1
D#	A3BC(-)	18	GY	1661208C1
D##	A3BC(-)	20	GY	1661208C1
E@	A3BN(-)	18	GY	1661208C1
E	A3BD(-)	18	GY	1661208C1
F**	A3BD(-)	18	GY	1661208C1
F*	A3BE(-)	20	GY	1661208C1
G	A3BF(-)	20	GY	1661208C1

* W/ DAY CAB
** W/ SLEEPER
# W/ CAT ENGINE DISPLAY
W/ CUMMINS ENGINE DISPLAY
@ W/ TELEMATICS

CONNECTOR 2006789C1
BODY LOCK 2006792C1

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
CNA1	14JAN09	TITLE WAS CIRCUIT	A	61254R	U00K640	CIRCUIT DIAGRAM, PROSTAR, LONESTAR
		DIAGRAM, PROSTAR			RELEASE NO. 59637L	DATE 06SEP06

PART NO. AE08055906 SHEET 032

Figure 266 Connector Composites (1660), (1661)

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14.38. CONNECTOR COMPOSITE (1700), P. 33

INTERNATIONAL TRUCK AND ENGINE CORPORATION

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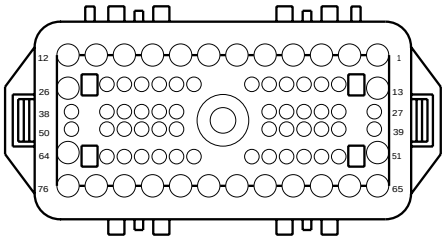
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 14

CONNECTOR BODY COMPOSITE - MATING VIEW SHOWN

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



CONNECTOR 3595625C1

* W/ BENDIX ABS
\# W/ WABCO ABS
@ W/ SWITCH CONTROLLED CENTER PIN
% W/ REMOTE START / STOP
& W/ VORAD (EVT-300)
&& W/ VORAD (EVT-400)
** W/ LONESTAR
@@ W/ WABCO ONGUARD

CAV	CIR	GAUGE	COLOR	TERMINAL
1	A52A	14	YL	3574288C1
2	A53A	14	YL	3574288C1
3	A52B	14	YL	3574288C1
4	A53B	14	YL	3574288C1
5	A58	16	BN	3574288C1
6	A19	16	GY	3574288C1
7	-	-	-	-
8	-	-	-	-
9	-	-	-	-
10	-	-	-	-
11	-	-	-	-
12	-	-	-	-
13	-	-	-	-
14	A56	16	OR	3574285C1
15	A57	16	OR	3574285C1
16	A41	18	TN	2003343C1
17	A87A	18	GY	2003343C1
18	A9BB	18	GY	2003343C1
19	A87C	18	GY	2003343C1
20	A87D	18	GY	2003343C1
21	A85	16	GY	3574285C1
22	A64A	16	YL	3574285C1
23	A64B	16	YL	3574285C1
24	A54X	16	BN	3574285C1
25	A109	18	GY	2003343C1
26	-	-	-	-
27*	A94	18	GY	2003343C1
27#	A94M	18	GY	2003343C1
28#	A94MA	18	GY	2003343C1
28*	A94A	18	GY	2003343C1
29#	A94MB	18	GY	2003343C1
29*	A94B	18	GY	2003343C1
30#	A94MC	18	GY	2003343C1
30*	A94C	16	GY	3574285C1
31#	A94MD	18	GY	2003343C1
31*	A94D	16	GY	3574285C1
32#	A94ME	18	GY	2003343C1
32*	A94E	16	GY	3574285C1
33#	A94MF	18	GY	2003343C1
33*	A94F	16	GY	3574285C1

CAV	CIR	GAUGE	COLOR	TERMINAL
34#	A94MH	18	GY	2003343C1
34*	A94H	18	GY	2003343C1
35#	A94MJ	18	GY	2003343C1
35*	A94J	18	GY	2003343C1
36#	A94MK	18	GY	2003343C1
36*	A94K	18	GY	2003343C1
37&	A67B	16	GY	3574285C1
37&&	A67-GY	18	WH	2003343C1
37@@	A67-GA	18	WH	2003343C1
38	A67C	16	GY	3574285C1
38&&	67Y	18	PK	2003343C1
38@@	A67CA	18	PK	2003343C1
39	A67D	16	GY	3574285C1
40	A67E	16	GY	3574285C1
41	A61	18	GY	2003343C1
42	A106A	18	GY	2003343C1
43	A97R	16	PL	3574285C1
43%	A104AN	16	DKBL	3574285C1
44	A97J	16	PL	3574285C1
44%	A104AM	16	DKBL	3574285C1
45	A97K	18	PL	2003343C1
46	A97L	18	PL	2003343C1
47	A22ZA	18	TN	2003343C1
48	A22VA	18	TN	2003343C1
49	A22A	18	TN	2003343C1
50	A97N	16	PL	3574285C1
51	A72E	18	OR	3574289C1
52@	A72EB	18	OR	2003343C1
52	AOUT2	18	TN	2003343C1
53	A5VREF	18	TN	2003343C1
54	APPU	18	TN	2003343C1
55	AANG1	18	TN	2003343C1
56	AANG2	18	TN	2003343C1
57	AANG3	18	TN	2003343C1
58	AANG4	18	TN	2003343C1
59	AANG5	18	TN	2003343C1
60	AANG-G	18	GY	2003343C1
61	A98ZA	18	BK	2003343C1
62	A14NP	16	RD	3574285C1
63**	OUT2	18	TN	2003343C1
63	-	-	-	-
64	-	-	-	-
65	-	-	-	-
66	-	-	-	-
67	-	-	-	-
68	-	-	-	-
69	-	-	-	-
70	-	-	-	-
71	-	-	-	-
72	-	-	-	-
73	-	-	-	-
74	-	-	-	-
75	-	-	-	-
76	-	-	-	-

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
CNA1	07OCT09	W484//ADDED WABCO	C	62556A	U00K640	CIRCUIT DIAGRAM, PROSTAR, LONESTAR
	ONGUARD				RELEASE NO. 59637L	DATE 06SEP06

PART NO. AE08055906 SHEET 033

Figure 267 Connector Composite (1700)

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14.39. CONNECTOR COMPOSITE (1700F), P. 34

INTERNATIONAL TRUCK AND ENGINE CORPORATION

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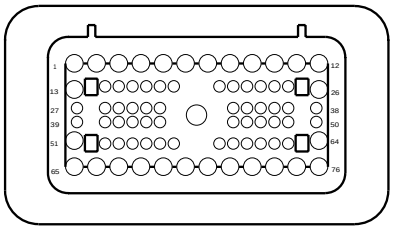
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 14

CONNECTOR BODY COMPOSITE - MATING VIEW SHOWN

FORWARD CHASSIS CONNECTOR
(1700F)
(LOCATED ON FRONT LEFT DASH PANEL (UPPER))



CONNECTOR 3595624C1

CAV	CIR	GAUGE	COLOR	TERMINAL
1	M52A	14	YL	3549416C1
2	M53A	14	YL	3549416C1
3	M52B	14	YL	3549416C1
4	M53B	14	YL	3549416C1
5	M58	14	BN	3549416C1
6	M19	14	GY	3549416C1
7	PLUG	-	-	3598921C1
8	PLUG	-	-	3598921C1
9	PLUG	-	-	3598921C1
10	PLUG	-	-	3598921C1
11	PLUG	-	-	3598921C1
12	PLUG	-	-	3598921C1
13	PLUG	-	-	3598921C1
14	M56	16	OR	3549417C1
15	M57	16	OR	3549417C1
16	M41	18	GY	3549418C1
17	M87A	18	GY	3549418C1
18	M9BB	18	GY	3549418C1
19	M87C	16	GY	3549417C1
20	M87D	16	GY	3549417C1
21	M85	16	GY	3549417C1
22	M64A	16	YL	3549417C1
23	M64B	16	YL	3549417C1
24	M54X	16	OR	3549417C1
25	M109A	18	GY	3549418C1
26	PLUG	-	-	3598921C1
27*	M94	18	GY	3549418C1
27#	M94M	18	GY	3549418C1
28*	M94A	18	GY	3549418C1
28#	M94MA	18	GY	3549418C1
29*	M94B	18	GY	3549418C1
29#	M94MB	18	GY	3549418C1
30*	M94C	18	GY	3549418C1
30#	M94MC	18	GY	3549418C1

* W/ BENDIX ABS
\# W/ WABCO ABS
@ W/ REMOTE START STOP
@@ W/ CUMMINS ICON
% W/ VORAD VS-400
%% W/ WABCO ONGUARD

CAV	CIR	GAUGE	COLOR	TERMINAL
31*	M94D	18	GY	3549418C1
31#	M94MD	18	GY	3549418C1
32*	M94E	18	GY	3549418C1
32#	M94ME	18	GY	3549418C1
33*	M94F	18	GY	3549418C1
33#	M94MF	18	GY	3549418C1
34*	M94H	18	GY	3549418C1
34#	M94MH	18	GY	3549418C1
35*	M94J	18	GY	3549418C1
35#	M94MJ	18	GY	3549418C1
36*	M94K	18	GY	3549418C1
36#	M94MK	18	GY	3549418C1
37	M67B	16	GY	3549417C1
37%	M67-GY	18	WH	3549418C1
37%%	M67-GA	20	WH	3549418C1
38	M67C	16	GY	3549417C1
38%	M67Y	18	PK	3549418C1
38%%	M67CA	20	PK	3549418C1
39	M67D	16	GY	3549417C1
40	M67E	16	GY	3549417C1
41	M61	18	GY	3549418C1
42	M106A	18	GY	3549418C1
43@	M97H	18	VT	3549418C1
43@@	M97R	18	VT	3549418C1
44	M97J	18	VT	3549418C1
45	M97K	18	VT	3549418C1
46	M97L	18	VT	3549418C1
47	M22ZA	20	TN	3549418C1
48	M22VA	20	TN	3549418C1
49	M22A	20	TN	3549418C1
50	M97N	18	VT	3549418C1
51	M72EA	16	OR	3549416C1
52	M72EB	16	OR	3549417C1
53	PLUG	-	-	3598921C1
54	PLUG	-	-	3598921C1
55	PLUG	-	-	3598921C1
56	PLUG	-	-	3598921C1
57	PLUG	-	-	3598921C1
58	PLUG	-	-	3598921C1
59	PLUG	-	-	3598921C1
60	PLUG	-	-	3598921C1
61	PLUG	-	-	3598921C1
62	PLUG	-	-	3598921C1
63	PLUG	-	-	3598921C1
64	PLUG	-	-	3598921C1
65	PLUG	-	-	3598921C1
66	PLUG	-	-	3598921C1
67	PLUG	-	-	3598921C1
68	PLUG	-	-	3598921C1
69	PLUG	-	-	3598921C1
70	PLUG	-	-	3598921C1
71	PLUG	-	-	3598921C1
72	PLUG	-	-	3598921C1
73	PLUG	-	-	3598921C1
74	PLUG	-	-	3598921C1
75	PLUG	-	-	3598921C1

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
CNA1	07OCT09	W484//ADDED WABCO	C	62556A	U00K640	CIRCUIT DIAGRAM, PROSTAR, LONESTAR
	ONGUARD				RELEASE NO. 59637L	DATE 06SEP06

PART NO. AE08055906 SHEET 034

Figure 268 Connector Composite (1700F)

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14.40. CONNECTOR COMPOSITE (1701), P. 35

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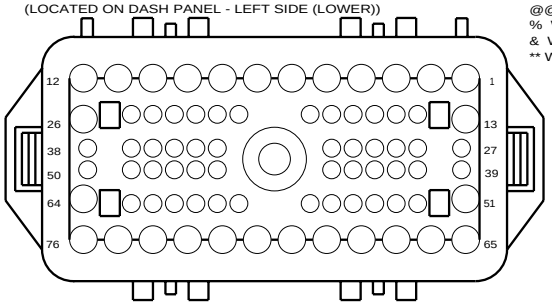
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 14

CONNECTOR BODY COMPOSITE - MATING VIEW SHOWN

CENTER CHASIS
(1701)
(LOCATED ON DASH PANEL - LEFT SIDE (LOWER))



* W/ BENDIX ABS
@ W/ WABCO ABS
# W/ STANDARD BACKUP LIGHTS
@@ W/ DAY CAB CUSTOMER SUPPLIED
% W/ VORAD VS-400 COLLISION AVOIDANCE
& W/ LONESTAR
** W/ MUTUALLY EXCLUSIVE

CONNECTOR 3595623C1

CAV	CIR	GAUGE	COLOR	TERMINAL
1#	A71B	16	OR	3574288C1
1	A71BA	16	OR	3574288C1
2	A56A	14	OR	3574288C1
3	A57A	14	OR	3574288C1
4	A68A	14	BN	3574288C1
5	A56T	12	OR	3574287C1
6	A57T	12	OR	3574287C1
7	A58T	12	BN	3574287C1
8	A68T	12	BN	3574287C1
9	A70T	12	OR	3574287C1
10	A94T	12	GY	3574287C1
11	A72V	12	OR	3574287C1
11&	A72V	12	DKBL	3574287C1
12	A67TA	18	PK	3574289C1
13	A94SJ	18	GY	3574289C1
14	A94BM	18	GY	2003343C1
15	A94BN	18	GY	2003343C1
16@	A94BE	18	GY	2003343C1
16*	A94BE	16	GY	3574285C1
17@	A94BD	18	GY	2003343C1
17*	A94BD	16	GY	3574285C1
18@	A94BH	18	GY	2003343C1
18*	A94BH	16	GY	3574285C1
19@	A94BF	18	GY	2003343C1
19*	A94BF	16	GY	3574285C1
20	A94BL	18	GY	2003343C1
21	A94BJ	18	GY	2003343C1
22	A94BK	18	GY	2003343C1
23	A94BA	18	GY	2003343C1
24	A94BB	18	GY	2003343C1
25	A94BC	18	GY	2003343C1
26&	A94TA	12	YL	3574285C1
27	A36B	18	TN	2003343C1
28	A9BC	18	GY	2003343C1
29	A36A	18	TN	2003343C1
30	A37A	18	TN	2003343C1
31	A39	16	GY	3574285C1
32	A59A	18	GY	2003343C1
33	A59B	18	GY	2003343C1
34	A59C	18	GY	2003343C1
35	A59D	18	GY	2003343C1
36	A59E	18	GY	2003343C1
37	A59F	18	GY	2003343C1
38	A59H	18	GY	2003343C1
39	A59J	18	GY	2003343C1
40	A61B	18	GY	2003343C1
41	A106B	18	GY	2003343C1
42	A109B	18	GY	2003343C1
43	A32A	18	TN	2003343C1
44	A32	18	TN	2003343C1
45	A49	18	GY	2003343C1
46	A94SAB	18	GY	2003343C1
47	A94SBB	18	GY	2003343C1
48	A94SCB	18	GY	2003343C1
49	A94SDB	18	GY	2003343C1
50	A49A	18	GY	2003343C1
51	A65BC	14	OR	3574288C1
52	A22ZB	18	TN	2003343C1
52&	A94BM	16	GY	3574287C1
53	A22VB	18	TN	2003343C1
53&	A94BN	16	GY	3574287C1
54	A22B	18	TN	2003343C1
54&	A94BP	16	GY	3574287C1
55	A22ZC	18	TN	2003343C1
55&	A94BQ	16	GY	3574287C1
56	A22VC	18	TN	2003343C1
56&	A94BR	16	GY	3574287C1
57	A22C	18	TN	2003343C1
57&	A94BS	16	GY	3574287C1
58&**	A116L	18	GY	2003343C1
58&**	A94BT	16	GY	3574287C1
59&	A94BU	16	GY	3574287C1
60&	A94BV	16	GY	3574287C1
61	A5U(-)	18	GN	2003343C1
62	A5U(+)	18	YL	2003343C1
63	A94SZC	16	GY	3574285C1
64	-	-	-	-
65	A12U	16	LTBL	3574288C1
66	A14U	16	RD	3574288C1
67	A94SK	18	GY	3574289C1
68@@	A65	16	OR	3574288C1
68	A65	18	OR	3574289C1
69	A67H	16	GY	3574288C1
69%	A67U	18	GY	3574289C1
70	A67J	16	GY	3574288C1
70%	A67W	18	GY	3574289C1
71	A67K	16	GY	3574288C1
71%	A67V	18	GY	3574289C1
72	A94SM	18	GY	3574289C1
73	A94SN	18	GY	3574289C1
74	A94SL	18	GY	3574289C1
75	A94SVC	16	GY	3574288C1
76	A94SH	16	GY	3574288C1

CHK	DATE	CHANGE	REV	REFERENCE
CNA1	14JAN09	ADDED LONESTAR EFFECT	B	61254R

DRAWN U00K640
NAME CIRCUIT DIAGRAM, PROSTAR, LONESTAR
RELEASE NO. 59637L
DATE 06SEP06
PART NO. AE08055906
SHEET 035

Figure 269 Connector Composite (1701)

https://truckmanualshub.com/

14.41. CONNECTOR COMPOSITE (1701F), P. 36

INTERNATIONAL TRUCK AND ENGINE CORPORATION

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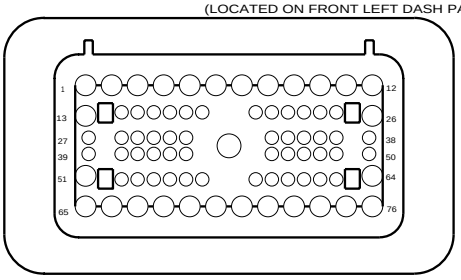
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 14

CONNECTOR BODY COMPOSITE - MATING VIEW SHOWN

CENTER CHASSIS CONNECTOR
(1701F)
(LOCATED ON FRONT LEFT DASH PANEL (LOWER))



CONNECTOR 3595622C1

CAV	CIR	GAUGE	COLOR	TERMINAL
1	N71BA	14	OR	3549416C1
2	N56A	14	OR	3549416C1
3	N57A	14	OR	3549416C1
4	N68A	14	BN	3549416C1
5	N56T	10	YL	3549415C1
6	N57T	10	LTGN	3549415C1
7	N58T	10	BK	3549415C1
8	N68T	10	BN	3549415C1
9	N70T	10	RD	3549415C1
10	N94T	10	DKBL	3549415C1
11	N72V	12	DKBL	3549415C1
11##@	N72V	10	DKBL	3549415C1
12	N67TA	18	PK	3574289C1
12@	N67TA	16	PK	3549416C1
13	N94SJ	16	GY	3549416C1
14	N94BM	16	GY	3549417C1
15	N94BN	16	GY	3549417C1
16	N94BE	16	GY	3549417C1
17	N94BD	16	GY	3549417C1
18	N94BH	16	GY	3549417C1
19	N94BF	16	GY	3549417C1
20	N94BL	16	GY	3549417C1
21	N94BJ	16	GY	3549417C1
22	N94BK	16	GY	3549417C1
23	N94BA	16	GY	3549417C1
24	N94BB	16	GY	3549417C1
25	N94BC	16	GY	3549417C1
26##@	N94TA	12	YL	3549415C1
27	N36B	18	TN	3549418C1
27@	N36A	18	TN	3549418C1
28	N9BC	18	GY	3549418C1
29	N36A	18	TN	3549418C1
30	N37A	18	TN	3549418C1
31	N39	16	GY	3549417C1
32	N59A	18	GY	3549418C1
33	N59B	18	GY	3549418C1
34	N59C	18	GY	3549418C1
34**	N59K	16	GY	3549417C1
35	N59D	18	GY	3549418C1
35**	N59K	18	GY	3549418C1
36	N59E	18	GY	3549418C1
36**	N59K	16	GY	3549417C1
37	N59F	18	GY	3549418C1
37**	N59K	18	GY	3549418C1
38	N59H	18	GY	3549418C1
38**	N59K	16	GY	3549418C1
39	N59J	18	GY	3549418C1
40	N61B	18	GY	3549418C1
41	N106B	18	GY	3549418C1
42	N109B	18	GY	3549418C1
43	N32A	18	TN	3549418C1
44	N32	18	TN	3549418C1
45	N49	18	GY	3549418C1
46	N94SAB	18	GY	3549418C1
47	N94SBB	18	GY	3549418C1
48	N94SCB	18	GY	3549418C1
49	N94SDB	18	GY	3549418C1
50	N49A	18	GY	3549418C1
51	N65BC	14	OR	3549416C1
52	N22ZB	18	TN	3549418C1
52&@	N94BM	16	GY	3549417C1
53	N22VB	18	TN	3549418C1
53&@	N94BN	16	GY	3549417C1
54	N22B	18	TN	3549418C1
54&@	N94BP	16	GY	3549417C1
55	N22ZC	18	TN	3549418C1
55&@	N94BO	16	GY	3549417C1
56	N22VC	18	TN	3549418C1
56&@	N94BR	16	GY	3549417C1
57	N22C	18	TN	3549418C1
57&@	N94BS	16	GY	3549417C1
58	-	-	-	-
59	-	-	-	-
60	-	-	-	-
61	N5U(-)	18	GN	3549418C1
62	N5U(+)	18	YL	3549418C1
63	N94SZC	16	GY	3549417C1
64	-	-	-	-
65	N12UA	16	PK	3549416C1
65	N12U	16	PK	3549416C1
66	N14U	16	RD	3549416C1
67	N94SK	16	GY	3549416C1
68	N65	16	OR	3549416C1
69	N67H	16	GY	3549416C1
69*	N67U	16	GY	3549416C1
70	N67J	16	GY	3549416C1
70*	N67W	16	GY	3549416C1
71	N67K	16	GY	3549416C1
71*	N67V	16	GY	3549416C1
72	N94SM	16	GY	3549416C1
73	N94SN	16	GY	3549416C1
74	N94SL	16	GY	3549416C1
75	N94SVC	16	GY	3549416C1
76	N94SH	16	GY	3549416C1

** W/ VORAD VS-400
* W/ 5TH WHEEL JAW LOCK SENSOR
W/ TRAILER SOCKET W/ ISO
& W/ BENDIX 6 CHANNEL ABS W/ ACT
&& W/ NO FUEL FILTER SENSOR W/ VSM
@ W/ LONESTAR

CHK	DATE	CHANGE	REV	REFERENCE
CNA1	14JAN09	ADDED LONESTAR EFFECT	B	61254R

DRAWN U00K640
RELEASE NO. 59637L
NAME CIRCUIT DIAGRAM, PROSTAR, LONESTAR
DATE 06SEP06
PART NO. AE08055906
SHEET 036

Figure 270 Connector Composite (1701F)

https://truckmanualshub.com/

14.42. CONNECTOR COMPOSITE (1702), P. 37

INTERNATIONAL TRUCK AND ENGINE CORPORATION

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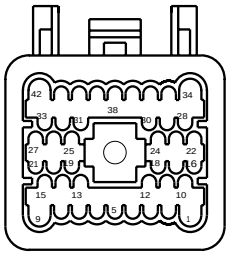
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 14

CONNECTOR BODY COMPOSITE - MATING VIEW SHOWN

IP CONNECTOR
(1702)
(LOCATED ON FRONT CENTER DASH PANEL)



CONNECTOR 3595621C1

CAV	CIR	GAUGE	COLOR	TERMINAL
1*	A97D	10	RD	3574287C1
1*	A97D	10	PL	3574287C1
2	A9AA	20	GY	2003343C1
3	A6DB	20	GY	2003343C1
4	A77B	20	LTGN	2003343C1
5	A28	18	TN	2003343C1
6#	A71A	16	OR	3574285C1
6	A71-G	18	WH	2003343C1
6##	A71A	18	OR	2003343C1
7	A71B	16	OR	3574285C1
8	A13A	16	PK	3574285C1
9*	A14A	16	RD	3574288C1
9*	A14A	12	RD	3574287C1
10	A77	18	LTGN	2003343C1
11	A5R(+)	18	YL	2003343C1
12	A1	18	LTBL	2003343C1
13	A31	18	TN	2003343C1
14	A88	18	LTGN	2003343C1
15	A95	18	TN	2003343c1
16	A17	16	PK	3574285C1
17	A5R(-)	18	GN	2003343C1
18*	A23A	18	TN	3522073C1
18*	A97A1	18	PL	3515517C1
19*	A17-GC	16	WH	3574285C1
19*	A17-GC	18	WH	2003343C1
20	A17B	18	PK	2003343C1
21	A17C	18	PK	2003343C1
22	A97C	18	PL	2003343C1
23	A97B	18	PL	2003343C1
24@	A97M	18	PL	2003343C1
24@@	A30	16	TN	3574285C1
24&	A97F	16	PL	3595621C1
25	A92E	16	TN	3574285C1
26	A92F	18	TN	2003343C1
27	A92H	18	TN	2003343C1
28	A99B	18	PL	2003343C1
29	A97N	18	PL	2003343C1
30*	A99D	18	PL	2003343C1
30*	A97N	18	PL	2003343c1
31	PLUG	-	-	3508928C1
32	A97S	16	PL	3574285C1
32%	A104AL	16	DKBL	3574285C1
33%	A104AM	16	DKBL	3574285C1
33	A97J	16	PL	3574285C1
34	A97KB	14	PL	0382181C1
35	A3BA(+)	18	DKBL	2003343C1
36	A3BA(-)	18	GY	2003343C1
37	A97F	16	PL	3574285C1
37&	A97FB	16	PL	3574285C1
38	PLUG	-	-	3508928C1
39	A92A	18	TN	2003343C1
40	A92B	18	TN	2003343C1
41	A88A	18	LTGN	2003343C1
42	A97VT1	14	PL	3574288C1
42**	A97FZ	14	RD	3574288C1

* MUTUALLY EXCLUSIVE
\# W/ STD BACKUP LIGHT
W/ WORK LIGHT FEED
@ W/ CUMMINS ENGINE
@@ W/ ENGINE OIL TEMPRATURE
% W/ REMOTE START / STOP
& W/ INTERNATIONAL ENGINE
** W/ LONESTAR

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
CNA1	14JAN09	ADDED LONESTAR EFFECT	D	61254R	U00K640	CIRCUIT DIAGRAM, PROSTAR, LONESTAR
					RELEASE NO. 59637L	DATE 06SEP06

PART NO. AE08055906 SHEET 037

Figure 271 Connector Composite (1702)

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14.43. CONNECTOR COMPOSITE (1702), P. 38

INTERNATIONAL TRUCK AND ENGINE CORPORATION

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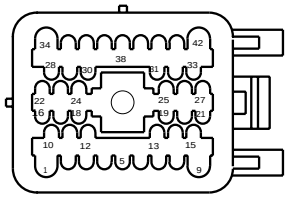
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 14

CONNECTOR BODY COMPOSITE - MATING VIEW SHOWN

ENGINE CONNECTOR
(1702)
(LOCATED ON FRONT
CENTER DASH PANEL)
(W/ ISX ENGINE)



CONNECTOR 3595620C1

CAV	CIR	GAUGE	COLOR	TERMINAL
1	K97D	10	VT	3549415C1
2	K9AA	16	GY	3549417C1
2@	K9AA	18	GY	3549418C1
3	K6DB	16	GY	3549417C1
3@	K6DB	18	GY	3549418C1
4	K77B	16	LTGN	3549417C1
5	K28	18	TN	3549418C1
6	K71A	16	OR	3549417C1
6*	K71-G	16	OR	3549417C1
6@	K71-G	16	WH	3549417C1
7	K71B	16	OR	3549417C1
8	K13A	16	PK	3549417C1
9	PLUG	-	-	3508928C1
10	KA77	16	LTGN	3549417C1
11	K5R(+)	18	YL	3549418C1
12	K1B	18	LTBL	3549418C1
13	K31	18	TN	3549418C1
14	K88	16	LTGN	3549417C1
15	PLUG	-	-	3508928C1
16	K17	16	PK	3549417C1
17	K5R(-)	18	GN	3549418C1
18	K23A	16	TN	3508928C1
19#	K17-GC	18	WH	3549418C1
19*	K17-GC	16	WH	3549417C1
20	K17B	18	PK	3549418C1
21	K17C	18	PK	3549418C1
22	K97C	18	VT	3549418C1
23	K97B	18	VT	3549418C1
24	K97M	18	VT	3549418C1
25	K92E	18	TN	3549418C1
26	K92F	18	TN	3549418C1
27	K92H	18	TN	3549418C1
28	K99B	18	VT	3549418C1
29	K97N	18	VT	3549418C1
30	K99D	18	VT	3549418C1
31	PLUG	-	-	3508928C1
32	K97S	18	VT	3549418C1
33	K97J	18	VT	3549418C1
34	PLUG	-	-	3508928C1
35	K3BA(+)	18	DKBL	3549418C1
36	K3BA(-)	18	GY	3549418C1
37	K97F	18	VT	3549418C1
38	PLUG	-	-	3508928C1
39	K92A	18	TN	3549418C1
40	K92B	18	TN	3549418C1
41	K88A	18	VT	3549418C1
42	PLUG	-	-	3508928C1

* W/ FREEDOMLINE XMSN
# W/ AUTOSHIFT XMSN
@ W/ LONESTAR

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
CNA1	16JUN09	REVISED AND REDRAWN.	D	61610P	U00K640	CIRCUIT DIAGRAM, PROSTAR,
					RELEASE NO. 59637L	DATE 06SEP06

PART NO. AE08055906 SHEET 038

Figure 272 Connector Composite (1702)

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14.44. CONNECTOR COMPOSITE (1702), P. 38A

INTERNATIONAL TRUCK AND ENGINE CORPORATION

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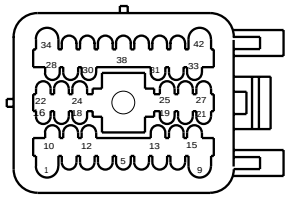
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 14

CONNECTOR BODY COMPOSITE - MATING VIEW SHOWN

CAT ENGINE

ENGINE CONNECTOR
(1702)
(LOCATED ON FRONT CENTER DASH PANEL)
(W/ CAT ENGINE)



CONNECTOR 3595620C1

CAV	CIR	GAUGE	COLOR	TERMINAL
1	PLUG	-	-	3508928C1
2*	K9AA	16	GY	3549417C1
2*	K9AA	18	GY	3549418C1
2	K30B	18	TN	3549418C1
3	K6DB	18	GY	3549418C1
4	K77B	18	LTGN	3549418C1
5	K28	18	TN	3549418C1
6*	K71A	16	OR	3549417C1
6*	K71-G	16	WH	3549417C1
7	K71B	16	OR	3549417C1
8	K13A	16	PK	3549417C1
	K13A	14	PK	3549417C1
9	PLUG	-	-	3508928C1
10	K77	16	LTGN	3549417C1
11	K5R(+)	18	YL	3549418C1
12	PLUG	-	-	3508928C1
13	K31H	18	TN	3549418C1
	K31	18	TN	3549418C1
14	K88	16	LTGN	3549417C1
15	PLUG	-	-	3508928C1
16	K17	16	PK	3549417C1
17	K5R(-)	18	GN	3549418C1
18	K23A	16	TN	3549417C1
19	K17-GC	16	WH	3549417C1
	K17-GC	18	WH	3549418C1
20	K17B	18	PK	3549418C1
21	K17C	18	PK	3549418C1
22	K97C	18	VT	3549418C1
23	K97B	18	VT	3549418C1
24	K30A	18	TN	3549418C1
25	K92E	18	TN	3549418C1
26	K92F	18	TN	3549418C1
27	K92H	18	TN	3549418C1
28	K99B	18	VT	3549418C1
29	PLUG	-	-	3508928C1
30	PLUG	-	-	3508928C1
31	PLUG	-	-	3508928C1
32	PLUG	-	-	3508928C1
33	PLUG	-	-	3508928C1
34	PLUG	-	-	3508928C1
35	K3BA(+)	18	YL	3549418C1
35	K3BA(+)	18	DKBL	3549418C1
36	K3BA(-)	18	GN	3549418C1
36	K3BA(-)	18	GY	3549418C1
37	K97F	18	VT	3549418C1
38	PLUG	-	-	3508928C1
39	K92A	18	TN	3549418C1
40	K92B	18	TN	3549418C1
41	K88A	18	TN	3549418C1
42	K97FZ	14	RD	3549416C1

* MUTUALLY EXCLUSIVE

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
CNA1	14JAN09	TITLE WAS CIRCUIT	B	61254R	300523	CIRCUIT DIAGRAM, PROSTAR, LONESTAR
	DIAGRAM, PROSTAR				RELEASE NO. 61406U	DATE 15JUN08

PART NO. AE08055906 SHEET 38A

Figure 273 Connector Composite (1702)

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14.45. CONNECTOR COMPOSITE (1702), P. 38B

INTERNATIONAL TRUCK AND ENGINE CORPORATION

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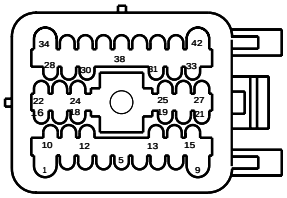
INTEREST OF INTERNATIONAL TRUCK AND ENGINE CORPORATION.

ELECTRICAL CIRCUIT DIAGRAM CHAPTER 14

CONNECTOR BODY COMPOSITE - MATING VIEW SHOWN

ENGINE CONNECTOR
(1702)
(LOCATED ON FRONT CENTER DASH PANEL)
(W/ IBB ENGINE)



CONNECTOR 3595620C1

CAV	CIR	GAUGE	COLOR	TERMINAL
1	K14	14	RD	3549416C1
2*	K9AA	16	GY	3549417C1
2*	K9AA	18	GY	3549418C1
3	K6DB	18	GY	3549418C1
4	K77B	18	LTGN	3549418C1
5	K28	18	TN	3549418C1
6	K71A	16	OR	3549417C1
7	K71B	16	OR	3549417C1
8#	K13A	16	PK	3549417C1
8&%%	K13A	14	PK	3549417C1
9	PLUG	-	-	3508928C1
10	K77	16	LTGN	3549417C1
11	K5R(+)	18	YL	3549418C1
12	PLUG	-	-	3508928C1
13	K31	18	TN	3549418C1
14	K88	16	LTGN	3549417C1
15	K14C	16	RD	3549417C1
16*	K17	16	PK	3549417C1
16*	K17	18	PK	3549418C1
17	K5R(-)	18	GN	3549418C1
18	K97A1	18	VT	3549418C1
19	K17-GC	18	PK	3549418C1
20	K17B	18	PK	3549418C1
21	K17C	16	PK	3549417C1
22	K97C	18	VT	3549418C1

CAV	CIR	GAUGE	COLOR	TERMINAL
23	K97B	18	VT	3549418C1
24	K97F	18	VT	3549418C1
25	K92E	16	TN	3549417C1
26	K92F	18	TN	3549418C1
27	K92H	18	TN	3549418C1
28	K99B	18	VT	3549418C1
29	PLUG	-	-	3508928C1
30	K97N	18	VT	3549418C1
31	K92ER	18	TN	3549418C1
32@	K97S	18	VT	3549418C1
32%	K47TC	18	GY	3549418C1
33	K97J	18	VT	3549418C1
34	K14RD2	14	RD	3549416C1
35	K3BA(+)	18	DKBL	3549418C1
36	K3BA(-)	18	GY	3549418C1
37	K13A	18	PK	3549418C1
38*	K92A15	18	TN	3549418C1
38*	K47T	18	GY	3549418C1
39%%	K92A	18	TN	3549418C1
39&	K92J	18	TN	3549418C1
40%%	K92B	18	TN	3549418C1
40&	K98GN	18	GN	3549418C1
41&&	K88A	16	LTGN	3549417C1
41&	K98YL	18	YL	3549418C1
42	K97VT1	14	VT	3549416C1

\# W/ MERITOR-G XMSN
% W/ MANUAL XMSN & ODOMETER SHUT OFF
& W/ AUTOSHIFT & ULTRASHIFT XMSN, W/ PUSH BUTTON SHIFTER
%% W/ AUTOSHIFT & ULTRASHIFT XMSN, W/ PHOENIX SHIFTER
&& W/ 2 PTO HOURMETER
@ W/ NEUTRAL SWITCH
* MUTUALLY EXCLUSIVE

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
CNA1	16JUN09	INITIAL RELEASE.	A	61610P	310698	CIRCUIT DIAGRAM, PROSTAR, LONESTAR
					RELEASE NO. 61610P	DATE 06APR09

PART NO. AE08055906 SHEET 38B

Figure 274 Connector Composite (1702)

https://truckmanualshub.com/

14.46. CONNECTOR COMPOSITE (1800), P. 39

INTERNATIONAL TRUCK AND ENGINE CORPORATION

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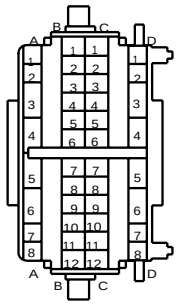
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 14

CONNECTOR BODY COMPOSITE - MATING VIEW SHOWN

DCM CONNECTOR
(1800)
(LOCATED IN INSTRUMENT PANEL TO THE RIGHT OF STEERING COLUMN)



CONNECTOR 3553649C1

BODY LOCK 3553650C1

CAV	CIR	GAUGE	COLOR	TERMINAL
A1	A56B	20	OR	3544883C1
A2	A57B	20	OR	3544883C1
A3	A11-GA	18	GY	3544876C1
A4	A9	18	GY	3544876C1
A5	A87E	18	GY	3544876C1
AA@@	GX94MN	18	GY	3544876C1
A7	A52D	20	YL	3544883C1
A8	A102A	20	YL	3544883C1
B1	A82C	20	GY	3544883C1
B2	A40A	20	GY	3544883C1
B3	A6	20	GY	3544883C1
B4	A97B	18	PL	3544884C1
B5	A97N	18	PL	3544884C1
B6	-	-	-	-
B7	A44	20	GY	3544883C1
B8	A86	20	LTGN	3544883C1
B9	A70	20	OR	3544883C1
B10	A85A	20	GY	3544883C1
B11	A100	20	GY	3544883C1
B12	A97	20	PL	3544883C1
C1	A82B	20	GY	3544883C1
C2	A40B	18	GY	3544884C1
C3	A94SV	16	GY	3544884C1
C4	A99B	18	PL	3544884C1
C5	A97C	18	PL	3544884C1
C6	A97M	18	PL	3544884C1
C7	A92	18	TN	3544884C1
C8	A86A	18	LTGN	3544884C1
C9	A82A	20	GY	3544883C1
C10	A94SZ	16	GY	3544884C1
C11	A97A	18	PL	3544884C1
C12	A40	20	GY	3544883C1
D1*	A70E	18	OR	3544884C1
D1#	A14EB	18	RD	3544884C1
D1@	A14EB2	18	RD	3544884C1
D2**	A70D	18	GY	3544884C1
D2***	A70D	18	OR	3544884C1
D2#	A14EBA	18	RD	3544884C1
D2@	A11-GMB	16	WH	3544884C1
D3	A62DD	18	DKBL	3544876C1
D4	A24	18	GY	3544876C1
D4@	A24C	18	GY	3544884C1
D5	A94SE	18	GY	3544876C1
D5@@	GX94-GCC	18	WH	3544876C1
D6	A94SF	16	GY	3544876C1
D6@@	GX94BY	18	GY	3544876C1
D7	A17A	18	PK	3544884C1
D8	A17B	18	PK	3544884C1

* W/ TRIP MASTER
** W/ DAY CAB TRIPMASTER
*** W/ SLEEPER TRIPMASTER
# W/ XATA
@ W/ LONESTAR
@@ W/ WABCO ONGUARD

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
-	-	W484//ADDED WABCO	C	62556A	U00K640	CIRCUIT DIAGRAM, PROSTAR, LONESTAR
	ONGUARD.				RELEASE NO. 59637L	DATE 06SEP06

PART NO. AE08055906 SHEET 039

Figure 275 Connector Composite (1800)

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14.47. CONNECTOR COMPOSITE (1800F), P. 40

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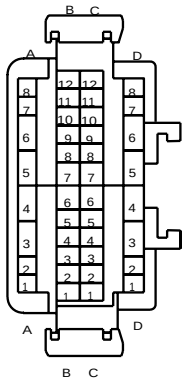
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 14

CONNECTOR BODY COMPOSITE - MATING VIEW SHOWN

CAB HARNESS CONN
(1800F)
(LOCATED IN INSTRUMENT PANEL TO THE RIGHT OF STEERING COLUMN)



CONNECTOR 3612512C1
BODY LOCK 3553654C1
3553652C1

@ W/ WABCO ONGUARD
* MUTUALLY EXCLUSIVE

CAV	CIR	GAUGE	COLOR	TERMINAL
A1	B56B	18	OR	3544886C1
A2	B57B	18	OR	3544886C1
A3	B11-GA	18	WH	3544880C1
A4	B9	18	GY	3544880C1
A5	B87E	18	GY	3544880C1
A6@	BF94MN	18	GY	3544880C1
A7	B52B	18	YL	3544886C1
A8	B102A	18	YL	3544886C1
B1	B82C	18	GY	3544886C1
B2	B40A	18	GY	3544886C1
B3	B6	18	GY	3544886C1
B4	B97B	18	VT	3544886C1
B5	B99D	18	VT	3544886C1
B6	B97N	18	VT	3544886C1
B7	B44	18	GY	3544886C1
B8	B86	20	LTGN	3544885C1
B9	B70	18	OR	3544886C1
B10	B85A	20	GY	3544885C1
B11	B100	20	GY	3544885C1
B12	B97	20	GY	3544885C1
C1	B82B	18	GY	3544886C1
C2	B40B	18	GY	3544886C1
C3	B94SV	18	GY	3544886C1
C4	B99B	18	VT	3544886C1
C5*	B97C	18	GY	3544886C1
C5*	B97C	18	VT	3544886C1
C6	B97M	18	VT	3544886C1
C7	B92	20	TN	3544885C1
C8	B86A	20	LTGN	3544885C1
C9	B82A	18	GY	3544886C1
C10	B94SZ	18	GY	3544886C1
C11	B97A	18	VT	3544886C1
C12	B40	18	GY	3544886C1
D1	B70E	18	OR	3544886C1
D2	B70D	18	GY	3544886C1
D3	B62DD	20	DKBL	3544879C1
D4	B24	20	GY	3544879C1
D5	B94SE	18	GY	3544880C1
D5@	BF94-GCC	18	WH	3544880C1
D6	B94SF	18	GY	3544880C1
D6@	BF94BY	18	GY	3544880C1
D7	B17A	18	PK	3544886C1
D8	B17AA	18	PK	3544886C1

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
CNA1	07OCT09	W484//ADDED WABCO	B	62556A	U00K640	CIRCUIT DIAGRAM, PROSTAR, LONESTAR
	ONGUARD				RELEASE NO. 59637L	DATE 06SEP06

PART NO. AE08055906 SHEET 040

Figure 276 Connector Composite (1800F)

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14.48. CONNECTOR COMPOSITES (1801), (1802), (1803), P. 41

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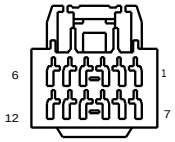
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 14

CONNECTOR BODY COMPOSITE - MATING VIEW SHOWN

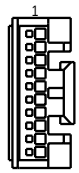
TURN SIGNAL SWITCH CONNECTOR
(1801)
(LOCATED ON STEERING COLUMN)



CONNECTOR 3539212C1

CAV	CIR	GAUGE	COLOR	TERMINAL
1	B56B	18	OR	3571717C1
2	B57B	18	OR	3571717C1
3	B52B	18	YL	3571717C1
4	B102A	18	YL	3571717C1
5	B82C	18	GY	3571717C1
6	B87-G	18	WH	3571717C1
7	B9D	18	GY	3571717C1
8	B82A	18	GY	3571717C1
9	-	-	-	-
10	-	-	-	-
11	B82B	18	GY	3571717C1
12	B87E	18	GY	3571717C1

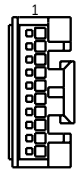
CLOCKSPRING
(1802)
(LOCATED ON STEERING COLUMN)
(W/ PROSTAR)



CONNECTOR 3608496C1

CAV	CIR	GAUGE	COLOR	TERMINAL
1	B62DD	20	DKBL	3608495C1
2	B97	20	GY	3608495C1
3	B86	20	LTGN	3608495C1
4	B92	20	TN	3608495C1
5	B9C	20	GY	3608495C1
6	B100	20	GY	3608495C1
7	B85A	20	GY	3608495C1
8	B24	20	GY	3608495C1
9	B86A	20	LTGN	3608495C1
10	B62-GDD	20	WH	3608495C1

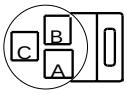
CLOCKSPRING
(1802)
(LOCATED ON STEERING COLUMN)
(W/ LONESTAR)



CONNECTOR 3608496C1

CAV	CIR	GAUGE	COLOR	TERMINAL
1	B62DD	20	DKBL	3608497C1
2	B97	20	GY	3608497C1
3	B86	20	LTGN	3608497C1
4	B92	20	TN	3608497C1
5	B9C	20	GY	3608497C1
6	B100	20	GY	3608497C1
7	B85A	20	GY	3608497C1
8	B24	20	GY	3608497C1
9	B86A	20	LTGN	3608497C1
10	B62-GDD	20	WH	3608497C1

PRIMARY AIR TRANSDUCER
(1803)
(LOCATED AT BASE OF STEERING COLUMN)



CONNECTOR 1678137C1

CAV	CIR	GAUGE	COLOR	TERMINAL
A	B9E	18	GY	1651943C1
B	B6A	18	GY	1651943C1
C	B40	18	GY	1651943C1

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
CNA1	20JAN09	ADDED LONESTAR EFFECT	A	61254R	U00K640	CIRCUIT DIAGRAM, PROSTAR, LONESTAR
					RELEASE NO. 59637L	DATE 06SEP06

PART NO. AE08055906 SHEET 041

Figure 277 Connector Composites (1801), (1802), (1803)

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14.49. CONNECTOR COMPOSITES (1804), (1805), (1806), P. 42

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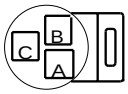
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 14

CONNECTOR BODY COMPOSITE - MATING VIEW SHOWN

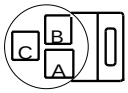
SECONDARY AIR TRANSDUCER
(1804)
(LOCATED AT BASE OF STEERING COLUMN)



CONNECTOR 1678137C1

CAV	CIR	GAUGE	COLOR	TERMINAL
A	B9F	18	GY	1651943C1
B	B6B	18	GY	1651943C1
C	B40A	18	GY	1651943C1

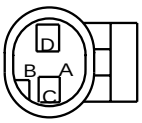
TRANSDUCER CONNECTOR
(1805)
(LOCATED AT BASE OF STEERING COLUMN)



CONNECTOR 1678137C1

CAV	CIR	GAUGE	COLOR	TERMINAL
A	B9H	18	GY	1651943C1
B	B6C	18	GY	1651943C1
C	B40B	18	GY	1651943C1

STOP LIGHT SWITCH CONNECTOR
(1806)
(LOCATED AT BASE OF STEERING COLUMN)



CONNECTOR 1661777C1

CAV	CIR	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
C	B70	18	OR	1661875C1	1661872C1
D	B9K	18	GY	1661875C1	1661872C1

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
CNA1	14JAN09	TITLE WAS CIRCUIT	A	61254R	U00K640	CIRCUIT DIAGRAM, PROSTAR, LONESTAR
	DIAGRAM, PROSTAR				RELEASE NO. 59637L	DATE 06SEP06

PART NO. AE08055906 SHEET 042

Figure 278 Connector Composites (1804), (1805), (1806)

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14.50. CONNECTOR COMPOSITES (1808), (1809), (1810), P. 43

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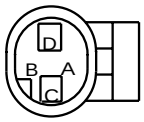
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 14

CONNECTOR BODY COMPOSITE - MATING VIEW SHOWN

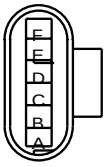
PARK BRAKE
(1808)
(LOCATED AT BASE OF STEERING COLUMN)



CONNECTOR 1661777C1
BODY LOCK 1661873C1

CAV	CIR	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
C	B44	18	GY	1661875C1	1661872C1
D	B9J	18	GY	1661875C1	1661872C1

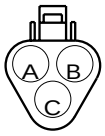
ACCELERATOR PEDAL
(1809)
(LOCATED ABOVE ACCELERATOR PEDAL)



CONNECTOR 1687790C1

CAV	CIR	GAUGE	COLOR	TERMINAL
A	B99B	18	VT	1651943C1
B	B97B	18	VT	1651943C1
C	B97C	18	VT	1651943C1
D	B99D	18	VT	1651943C1
E	B97N	18	VT	1651943C1
F	B97M	18	VT	1651943C1

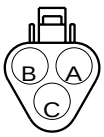
ACCELERATOR PEDAL
(1810)
(LOCATED ABOVE ACCELERATOR PEDAL)
(W/ PROSTAR)



CONNECTOR 0453133C1
BODY LOCK 1655704C1

CAV	CIR	GAUGE	COLOR	TERMINAL
A	B97C	18	GY	3572625C1
B	B97B	18	VT	3572625C1
C	B99B	18	VT	3572625C1

ACCELERATOR PEDAL
(1810)
(LOCATED ABOVE ACCELERATOR PEDAL)
(W/ LONESTAR)



CONNECTOR 1655702C1
BODY LOCK 1655704C1

CAV	CIR	GAUGE	COLOR	TERMINAL
A	B97C	18	GY	1680205C1
B	B97B	18	VT	1680205C1
C	B99B	18	VT	1680205C1

CHK	DATE	CHANGE	REV	REFERENCE
CNA1	14JAN09	ADDED LONESTAR EFFECT	A	61254R

DRAWN U00K640
NAME CIRCUIT DIAGRAM, PROSTAR, LONESTAR
RELEASE NO. 59637L
DATE 06SEP06
PART NO. AE08055906
SHEET 043

Figure 279 Connector Composites (1808), (1809), (1810)

https://truckmanualshub.com/

14.51. CONNECTOR COMPOSITES (1811), (1812), (1820F/1820M), P. 44

INTERNATIONAL TRUCK AND ENGINE CORPORATION

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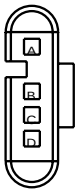
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 14

CONNECTOR BODY COMPOSITE - MATING VIEW SHOWN

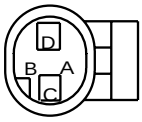
CLUTCH SWITCH
(1811)
(LOCATED ON CLUTCH PEDAL)



CAV	CIR	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	B17A	18	PK	1667742C1	1661872C1
B	B17AA	18	PK	1667742C1	1661872C1
C	B97A	18	VT	1667742C1	1661872C1
D	B9M	18	GY	1667742C1	1661872C1

CONNECTOR 3540757C1
BODY LOCK 3540758C1

BRAKE INPUT
(1812)
(LOCATED AT BASE OF STEERING COLUMN)



CAV	CIR	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
D	B70D	18	GY	1661875C1	1661872C1
C	B70E	18	OR	1661875C1	1661872C1

CONNECTOR 1661777C1
BODY LOCK 1661873C1

CAB HARNESS STEERING WHEEL SENSOR
(1820F / 1820M)
(LOCATED IN INSTRUMENT PANEL TO RIGHT OF STEERING COLUMN)

CONNECTOR 1667529C1
BODY LOCK 1667530C1

CAV	CIR	GAUGE	COLOR	TERMINAL
A	B94SA	20	GY	3534481C1
B	B94SB	20	GY	3534481C1
C	B94SC	20	GY	3534481C1
D	B94SD	20	GY	3534481C1

CONNECTOR 1667305C1
BODY LOCK 1661263C1

CAV	CIR	GAUGE	COLOR	TERMINAL
A	A94SA	18	GY	1661261C1
B	A94SB	18	GY	1661261C1
C	A94SC	18	GY	1661261C1
D	A94SD	18	GY	1661261C1

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
CNA1	14JAN09	TITLE WAS CIRCUIT	A	61254R	U00K640	CIRCUIT DIAGRAM, PROSTAR, LONESTAR
	DIAGRAM, PROSTAR				RELEASE NO. 59637L	DATE 06SEP06

PART NO. AE08055906 SHEET 044

Figure 280 Connector Composites (1811), (1812), (1820F/1820M)

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14.52. CONNECTOR COMPOSITES (1821), (1822), (1823), (1824), P. 45

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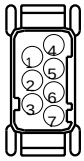
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 14

CONNECTOR BODY COMPOSITE - MATING VIEW SHOWN

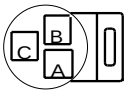
STEERING WHEEL POSITION SENSOR (1821) (LOCATED ON STEERING COLUMN)



CONNECTOR 3601800C1

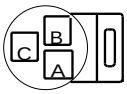
CAV	CIR	GAUGE	COLOR	TERMINAL
1	B94SC	20	GY	3601801C1
2	B94SA	20	GY	3601801C1
3	B94SB	20	GY	3601801C1
4	B94SD	20	GY	3601801C1
5	-	-	-	-
6	-	-	-	-
7	-	-	-	-

ABS PRIMARY AIR TRANSDUCER (1822) (LOCATED AT BASE OF STEERING COLUMN)



CAV	CIR	GAUGE	COLOR	TERMINAL
A	B94SZA	18	GY	1651943C1
B	B94SVA	18	GY	1651943C1
C	B94SE	18	GY	1651943C1

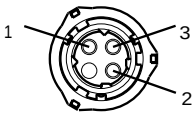
ABS SECONDARY AIR TRANSDUCER (1823) (LOCATED AT BASE OF STEERING COLUMN)



CONNECTOR 1678137C1

CAV	CIR	GAUGE	COLOR	TERMINAL
A	B94SZB	18	GY	1651943C1
B	B94SVB	18	GY	1651943C1
C	B94SF	18	GY	1651943C1

DRIVER DEMAND PRESSURE SENSOR (1824) (LOCATED AT BASE OF STEERING COLUMN)



CONNECTOR 3554539C1

CAV	CIR	GAUGE	COLOR	TERMINAL
1	BF94BY	18	GY	ASSY
2	BF94-GCC	18	WH	ASSY
3	BF94MN	18	GY	ASSY

CHK	DATE	CHANGE	REV	REFERENCE
CNA1	07OCT09	W484//ADDED CONN 1824;	B	62556A
		MOVED CONN 1860 TO SHEET 46.		

DRAWN U00K640 NAME CIRCUIT DIAGRAM, PROSTAR, LONESTAR

RELEASE NO. 59637L DATE 06SEP06 PART NO. AE08055906 SHEET 045

Figure 281 Connector Composites (1821), (1822), (1823), (1824)

https://truckmanualshub.com/

14.53. CONNECTOR COMPOSITES (1860), (1861), (1901), (1903), P. 46

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ELECTRICAL CIRCUIT DIAGRAM CHAPTER 14

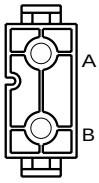
CONNECTOR BODY COMPOSITE - MATING VIEW SHOWN

CIGAR LIGHTER TYPE
POWER SOURCE
(1860)
(LOCATED IN INSTRUMENT PANEL - CENTER)
(JUMPER HARNESS)
(W/ PROSTAR)

CONNECTOR 3613000C1

CAV	CIR	GAUGE	COLOR	TERMINAL
A	A86M	16	LT GN	3534165C1
B	-	-	-	-
C	A86-GA	16	WH	3534165C1

TWO POST POWER SOURCE
(1861)
(LOCATED IN INSTRUMENT PANEL CENTER)
(JUMPER HARNESS)



CONNECTOR 3517473C1

CAV	CIR	GAUGE	COLOR	TERMINAL
A	B86N	14	LTGN	3517476C1
B	B86-GB	14	WH	3517476C1

AUX POWER
(1901)
(LOCATED IN INSTRUMENT PANEL - CENTER)

CONNECTOR 1661196C1

CAV	CIR	GAUGE	COLOR	TERMINAL
A	A86P	16	LTGN	1661208C1
B	A86-GP	16	WH	1661208C1

CIGAR LIGHTER
(1903)
(LOCATED IN INSTRUMENT PANEL)

CAV	CIR	GAUGE	COLOR	TERMINAL
A	A84	16	LTGN	3534165C1
B	-	-	-	-
C	A84-G	16	WH	3534165C1

CHK	DATE	CHANGE	REV	REFERENCE
CNA1	07OCT09	W484//ADDED CONN 1860	B	62556A

DRAWN U00K640
NAME CIRCUIT DIAGRAM, PROSTAR, LONESTAR
RELEASE NO. 59637L
DATE 06SEP06
PART NO. AE08055906
SHEET 046

Figure 282 Connector Composites (1860), (1861), (1901), (1903)

https://truckmanualshub.com/

14.54. CONNECTOR COMPOSITES (1906), (1907), (1909M), (1910), (1912), (1916), P. 47

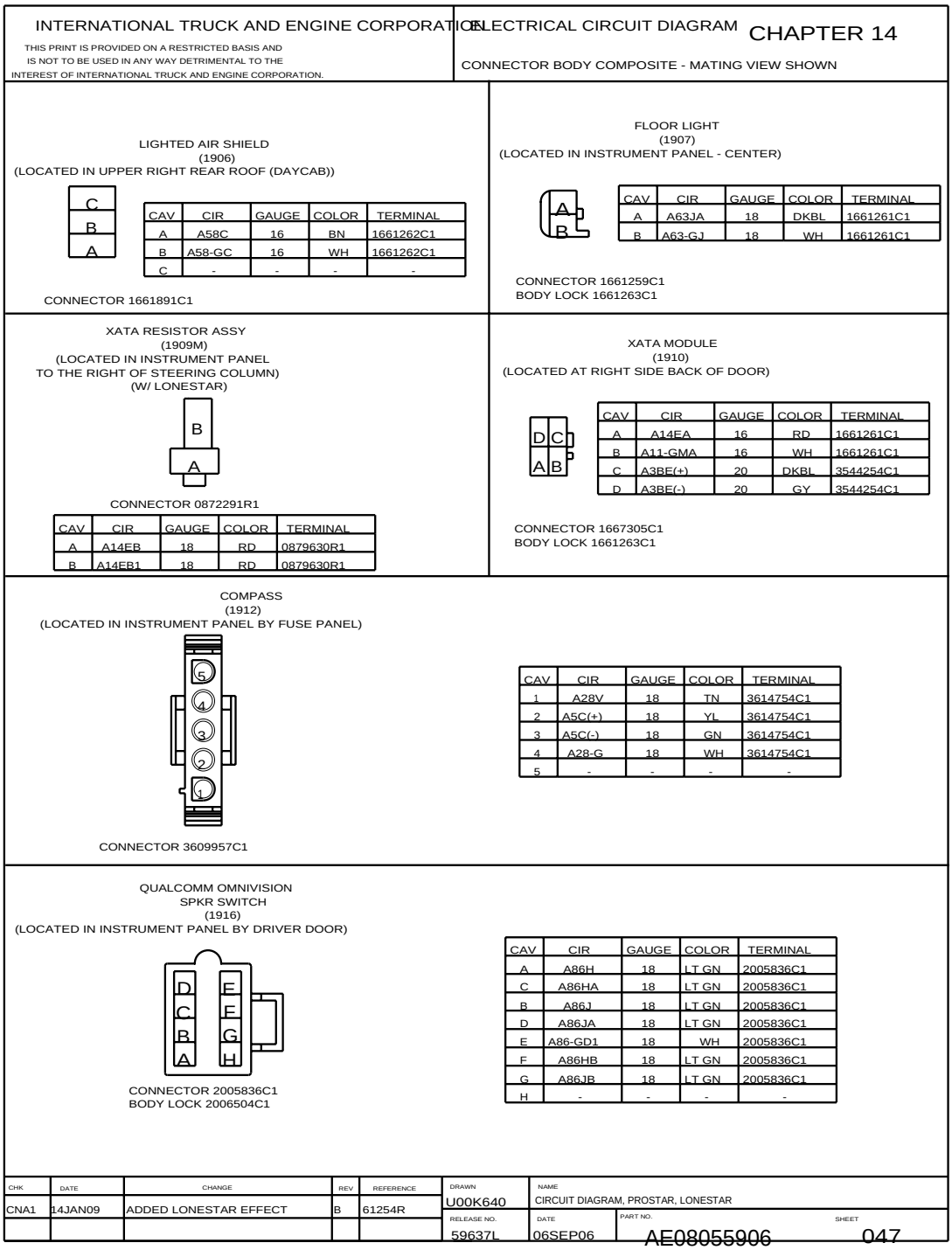


Figure 283 Connector Composites (1906), (1907), (1909M), (1910), (1912), (1916)

https://truckmanualshub.com/

14.55. CONNECTOR COMPOSITES (1917), (1918/1918A), (1919/1919A), (1920), (1922), (1922M), P. 48

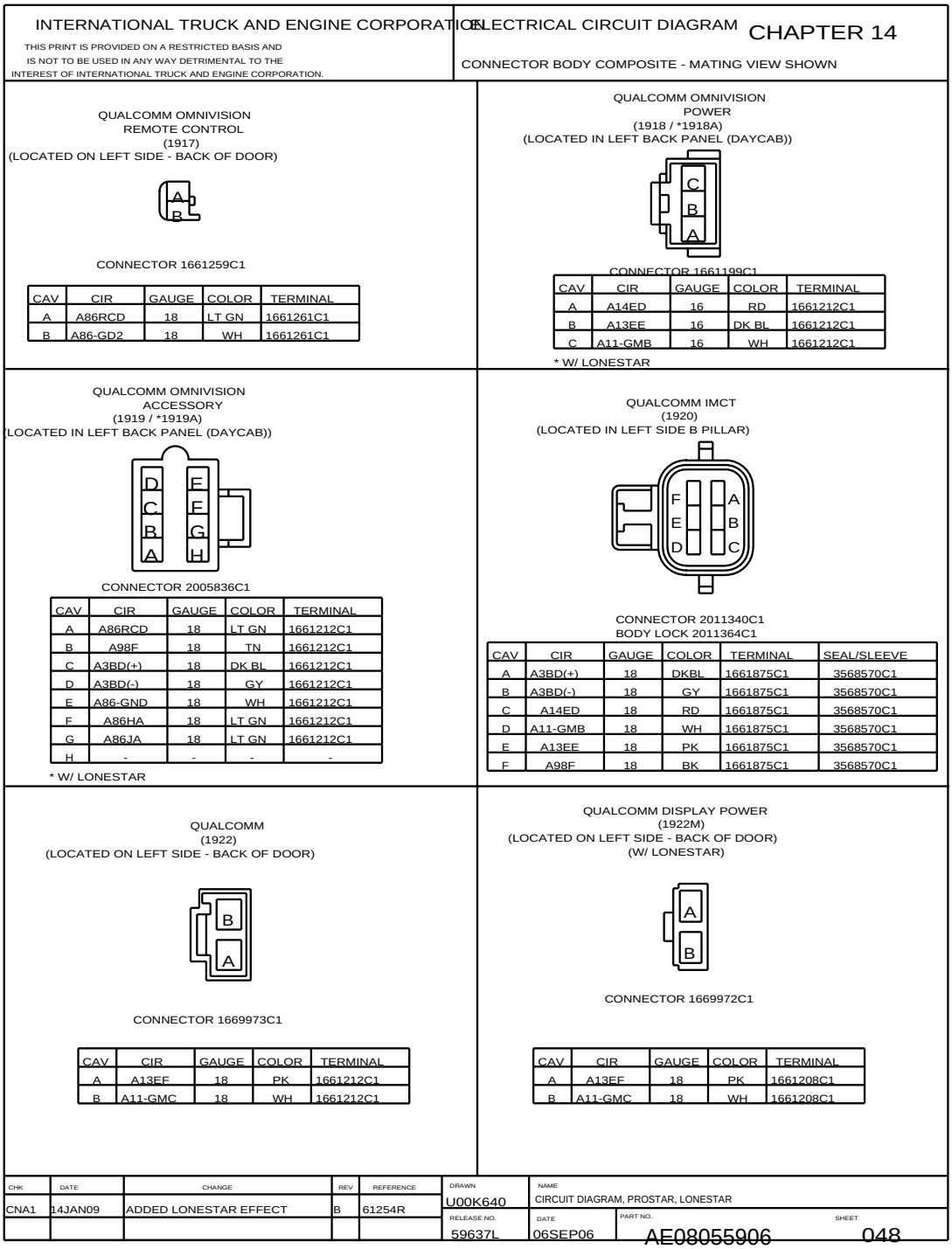


Figure 284 Connector Composites (1917), (1918/1918A), (1919/1919A), (1920), (1922), (1922M)

https://truckmanualshub.com/

14.56. CONNECTOR COMPOSITES (1923), (1925), P. 49

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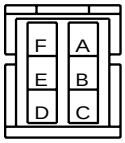
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 14

CONNECTOR BODY COMPOSITE - MATING VIEW SHOWN

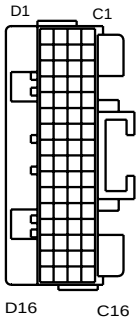
QUALCOMM TMCT
(1923)
(LOCATED ON RIGHT SIDE BACK OF DOOR)



CONNECTOR 1661201C1

CAV	CIR	GAUGE	COLOR	TERMINAL
A	A13EE	18	PK	1661212C1
B	A14ED	18	RD	1661212C1
C	A98F	18	BK	1661212C1
D	A11-GMB	18	WH	1661212C1
E	A3BD(+)	18	DKBL	1661212C1
F	A3BD(-)	18	GY	1661212C1

VORAD
(1925)
(LOCATED ON MODULE BRACKET)
(W/ PROSTAR)



CONNECTOR 3545189C1
BODY LOCK 1618846C1
1618847C1

CAV	CIR	GAUGE	COLOR	TERMINAL
C1	A67A	18	GY	3522073C1
C2	A67-GA	18	WH	3522073C1
C3	A67E	16	GY	3522073C1
C4	A67D	16	GY	3522073C1
C5*	A67C	16	GY	3522073C1
C5*	A67C	18	GY	3522073C1
C6	A67B	16	GY	3522073C1
C7	A3BF(+)	18	DKBL	3522073C1
C8	A3BF(-)	18	GY	3522073C1
C9	-	-	-	-
C10	-	-	-	-
C11	-	-	-	-
C12	A67KA	16	GY	3522073C1
C13	A67J	16	GY	3522073C1
C14	A67HA	16	GY	3522073C1
C15	A67F	18	GY	3522073C1
C16	A67L	18	GY	3522073C1
D1	-	-	-	-
D2	-	-	-	-
D3	A67M	18	GY	3522073C1
D4	A67N	18	GY	3522073C1
D5	A67P	18	GY	3522073C1
D6	A67R	18	GY	3522073C1
D7	A5HA(+)	18	YL	3522073C1
D8	A5HA(-)	18	GN	3522073C1
D9	-	-	-	-
D10	-	-	-	-
D11	-	-	-	-
D12	-	-	-	-
D13	-	-	-	-
D14	-	-	-	-
D15	-	-	-	-
D16	-	-	-	-

* MUTUALLY EXCLUSIVE

CHK	DATE	CHANGE	REV	REFERENCE
CNA1	14JAN09	REVISED AND REDRAWN	A	61254R

DRAWN U00K640
NAME CIRCUIT DIAGRAM, PROSTAR, LONESTAR
RELEASE NO. 59637L
DATE 06SEP06
PART NO. AE08055906
SHEET 049

Figure 285 Connector Composites (1923), (1925)

https://truckmanualshub.com/

14.57. CONNECTOR COMPOSITES (1927), (1929), (1930), (1931), P. 50

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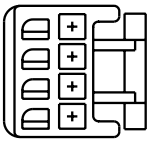
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 14

CONNECTOR BODY COMPOSITE - MATING VIEW SHOWN

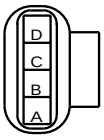
VORAD DISPLAY CONNECTION
(1927)
(LOCATED IN RIGHT SIDE A PILLAR)



CONNECTOR 3545777C1
BODY LOCK 3545778C1

CAV	CIR	GAUGE	COLOR	TERMINAL
1	-	-	-	-
2	A67KB	16	GY	3522073C1
3	A67HB	16	GY	3522073C1
4	A67L	16	GY	3522073C1

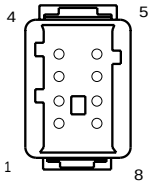
VORAD DISPLAY
(1929)
(LOCATED ON TOP OF INSTRUMENT PANEL)



CONNECTOR 2036585C1

CAV	CIR	GAUGE	COLOR	TERMINAL
A	A67R	18	GY	2036586C1
B	A67P	18	GY	2036586C1
C	A67N	18	GY	2036586C1
D	A67M	18	GY	2036586C1

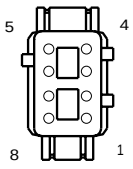
ICON MODULE "B" CONNECTOR
(1930)
(LOCATED ON MODULE BRACKET)
(W/ PROSTAR)



CONNECTOR 3539140C1
BODY LOCK 3539145C1

CAV	CIR	GAUGE	COLOR	TERMINAL
1	PLUG	-	-	3527276C1
2	A97N	16	VT	3518961C1
3	A17HC	18	PK	3518961C1
4	A97X	18	VT	3518961C1
5	A17HD	16	PK	3518961C1
6	A17HF	18	PK	3518961C1
7	A3H (+)	18	DKBL	3518961C1
8	A3H (-)	18	GY	3518961C1

ICON MODULE "A" CONNECTOR
(1931)
(LOCATED ON MODULE BRACKET)
(W/ PROSTAR)



CONNECTOR 3539139C1
BODY LOCK 3539144C1

CAV	CIR	GAUGE	COLOR	TERMINAL
1	A14HHA	18	RD	3518963C1
2	A11-GEC	16	WH	3518963C1
3	A97S	18	VT	3518963C1
4	A97T	18	VT	3518963C1
5	A97U	18	VT	3518963C1
6	A97V	18	VT	3518963C1
7	A13HA	18	PK	3518963C1
8	A17HB	18	PK	3518963C1

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
CNA1	14JAN09	TITLE WAS CIRCUIT	A	61254R	U00K640	CIRCUIT DIAGRAM, PROSTAR, LONESTAR
		DIAGRAM, PROSTAR			RELEASE NO. 59637L	DATE 06SEPO6

PART NO. AE08055906 SHEET 050

Figure 286 Connector Composites (1927), (1929), (1930), (1931)

https://truckmanualshub.com/

14.58. CONNECTOR COMPOSITES (1932), (1933), (1942/1942F), (1943), (1943M), P. 50A

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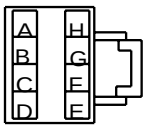
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 14

CONNECTOR BODY COMPOSITE - MATING VIEW SHOWN

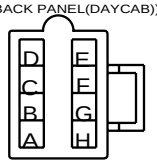
QUALCOM TMCT
(1932)
(LOCATED IN LEFT BACK PANEL(DAYCAB))



CONNECTOR 2005835C1
BODY LOCK 2006503C1

CAV	CIR	GAUGE	COLOR	TERMINAL
A	A14EA	18	RD	1661208C1
B	A14EE	18	RD	1661208C1
C	A11-GMC	18	WH	1661208C1
D	A11-GMA	18	WH	1661208C1
E	A13EE	18	PK	1661208C1
F	A3BD(+)	18	DKBL	1661208C1
G	A3BD(-)	18	GY	1661208C1
H	-	-	-	-

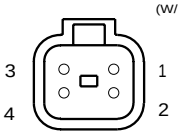
MOTIENT MOBILE MAX
DISCRETE I/O
(1933)
(LOCATED IN LEFT BACK PANEL(DAYCAB))



CONNECTOR 2005836C1
BODY LOCK 2006504C1

CAV	CIR	GAUGE	COLOR	TERMINAL
A	-	-	-	-
B	A98F	18	LTGN	1661212C1
C	-	-	-	-
D	-	-	-	-
E	-	-	-	-
F	-	-	-	-
G	-	-	-	-
H	-	-	-	-

EATON VORAD RIGHT SIDE DISPLAY
(1942 / *1942F)
(LOCATED IN INSTRUMENT PANEL TO THE RIGHT OF STEERING COLUMN)
(W/ PROSTAR)

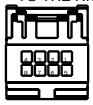


CONNECTOR 3673259C1
BODY LOCK 3503599C1

CAV	CIR	GAUGE	COLOR	TERMINAL
1	A67V	18	GY	1680206C1
2	A67W	18	GY	1680206C1
3	A67U	18	GY	1680206C1
4	A57NA	18	OR	1680206C1

(* W/ LONESTAR)

EATON VORAD DRIVER
INTERFACE UNIT
(1943)
(LOCATED IN INSTRUMENT PANEL
TO THE RIGHT OF STEERING COLUMN)
(W/ PROSTAR)



CONNECTOR 367333C1

CAV	CIR	GAUGE	COLOR	TERMINAL
1	-	-	-	-
2	-	-	-	-
3	-	-	-	-
4	A67E	18	PK	3673333C1
5	A67-GD	18	WH	3673333C1
6	A5HA(-)	18	GN	3673333C1
7	A5HA(+)	18	YL	3673333C1
8	-	-	-	-

EATON VORAD DRIVER INTERFACE UNIT
(1943M)
(LOCATED IN INSTRUMENT PANEL
TO THE RIGHT OF STEERING COLUMN)
(W/ LONESTAR)

CONNECTOR 3673332C1

CAV	CIR	GAUGE	COLOR	TERMINAL
1	-	-	-	-
2	-	-	-	-
3	-	-	-	-
4	A67E	18	PK	3673333C1
5	A67-GD	18	WH	3673333C1
6	A5HA(-)	18	GN	3673333C1
7	A5HA(+)	18	YL	3673333C1
8	-	-	-	-

CHK	DATE	CHANGE	REV	REFERENCE
CNA1	14JAN09	ADDED LONESTAR EFFECT	B	61254R

DRAWN 300152
NAME CIRCUIT DIAGRAM, PROSTAR, LONESTAR
RELEASE NO. 50297W
DATE 18OCT07
PART NO. AE08055906
SHEET 50A

Figure 287 Connector Composites (1932), (1933), (1942/1942F), (1943), (1943M)

https://truckmanualshub.com/

14.59. CONNECTOR COMPOSITES (1944), P. 50B

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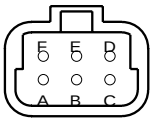
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 14

CONNECTOR BODY COMPOSITE - MATING VIEW SHOWN

WABCO ONGUARD DRIVER INTERFACE UNIT
(1944)
(LOCATED IN INSTRUMENT PANEL TO THE RIGHT OF STEERING COLUMN)
(W/ PROSTAR)



CONNECTOR 2011340C1

CAV	CIR	GAUGE	COLOR	TERMINAL
A	A5HA(+)	18	YL	1661875C1
B	A5HA(-)	18	GN	1661875C1
C	-	-	-	-
D	A67-GM	18	WH	1661875C1
E	A67EA	18	PK	1661875C1
F	-	-	-	-

CHK	DATE	CHANGE	REV	REFERENCE
CNA1	07OCT09	INITIAL RELEASE	A	62556A

DRAWN U00W484
RELEASE NO. 62556A
DATE 10SEP09
NAME CIRCUIT DIAGRAM, PROSTAR, LONESTAR
PART NO. AE08055906
SHEET 50B

Figure 288 Connector Composites (1944)

https://truckmanualshub.com/

14.60. CONNECTOR COMPOSITES (1953), (1960), P. 51

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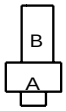
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 14

CONNECTOR BODY COMPOSITE - MATING VIEW SHOWN

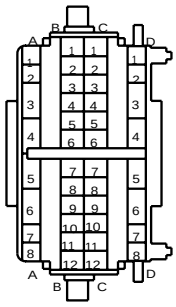
JAKE BRAKE FOOT PEDAL
(1953)
(LOCATED IN INSTRUMENT PANEL - LEFT SIDE)
(W/ LONESTAR)



CONNECTOR 0872291R1

CAV	CIR	GAUGE	COLOR	TERMINAL
A	A9FS	18	GY	0879630R1
B	A24B	18	GY	0879630R1

MODULE BRACKET
"B" CONNECTOR
(1960)
(LOCATED ON MODULE BRACKET)



CONNECTOR 3553649C1
BODY LOCK 3553652C1
3553654C1
3553650C1

CAV	CIR	GAUGE	COLOR	TERMINAL
A1	A67E	16	GY	3544884C1
A2	A67D	16	GY	3544884C1
A3	A67A	16	GY	3544876C1
A4	A67-G	16	WH	3544876C1
A5	A57NA	18	OR	3544876C1
A5#	A57NA	16	OR	3544876C1
A6	A98ZA	18	BK	3544876C1
A7	A67C	16	GY	3544884C1
A8	A67B	16	GY	3544884C1
B1	A3BF(+)	20	DKBL	3544883C1
B2	A3BF(-)	20	GY	3544883C1
B3	A67KA	16	GY	3544884C1
B4	A67J	16	GY	3544884C1
B5	A67HA	16	GY	3544884C1
B6	A67L	16	GY	3544884C1
B7	A67M	18	GY	3544884C1
B8	A67N	18	GY	3544884C1
B9	A67P	18	GY	3544884C1
B10	A67R	18	GY	3544884C1
B11	A5HA(+)	18	YL	3544884C1
B12	A5HA(-)	18	GN	3544884C1
C1	A3BN(+)	18	DKBL	3544884C1
C2	A3BN(-)	18	GY	3544884C1
C3	A98NS	18	BK	3544884C1
C4	AOUT2	18	TN	3544884C1
C5	A5VREF	18	TN	3544884C1
C6	APPU	18	TN	3544884C1
C7	AANG1	18	TN	3544884C1
C8	AANG2	18	TN	3544884C1
C9	AANG3	18	TN	3544884C1
C10	AANG4	18	TN	3544884C1
C11	AANG5	18	TN	3544884C1
C12	AANG-G	18	GY	3544884C1
D1	A98Z	18	BK	3544884C1
D2	A98NL	18	BK	3544884C1
D3	A14NN	18	RD	3544876C1
D4	A13N	18	PK	3544876C1
D5	A11-GNA	18	WH	3544876C1
D6	A14NP	16	RD	3544876C1
D7	A5K(+)	18	YL	3544884C1
D8	A5K(-)	18	GN	3544884C1

W/ LONESTAR

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
CNA1	14JAN09	ADDED LONESTAR EFFECT	A	61254R	U00K640	CIRCUIT DIAGRAM, PROSTAR, LONESTAR
					RELEASE NO. 59637L	DATE 06SEP06

PART NO. AE08055906 SHEET 051

Figure 289 Connector Composites (1953), (1960)

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14.61. CONNECTOR COMPOSITES (1960), P. 52

INTERNATIONAL TRUCK AND ENGINE CORPORATION

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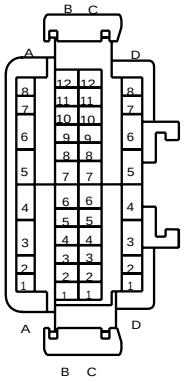
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 14

CONNECTOR BODY COMPOSITE - MATING VIEW SHOWN

IP HARNESS INTERCONNECT
(1960)
(LOCATED ON MODULE BRACKET)



CONNECTOR 3612512C1
BODY LOCK 3553652C1
3553654C1

CAV	CIR	GAUGE	COLOR	TERMINAL
A1	A67E	16	GY	3544886C1
A2	A67D	16	GY	3544886C1
A3	A67A	16	GY	3544880C1
A4	A67-G	18	WH	3544880C1
A5	A67F	18	GY	3544880C1
A6	-	-	-	-
A7	A67C	18	GY	3544886C1
A8	A67B	16	GY	3544886C1
B1	A3BF(+)	18	DKBL	3544886C1
B2	A3BF(-)	18	GY	3544886C1
B3	A67KA	16	GY	3544886C1
B4	A67J	16	GY	3544886C1
B5	A67HA	16	GY	3544886C1
B6	A67L	18	GY	3544886C1
B7	A67M	18	GY	3544886C1
B8	A67N	18	GY	3544886C1
B9	A67P	18	GY	3544886C1
B10	A67R	18	GY	3544886C1
B11	A5HA(+)	18	YL	3544886C1
B12	A5HA(-)	18	GN	3544886C1
C1*	A3BN(+)	18	DKBL	3544886C1
C1#	A3BN(+)	20	DKBL	3544885C1
C2*	A3BN(-)	18	GY	3544886C1
C2#	A3BN(-)	20	GY	3544885C1
C3*	A98NS	18	BK	3544886C1
C3#	A91AC	20	BK	3544885C1
C4	-	-	-	-
C5	-	-	-	-
C6	-	-	-	-
C7	-	-	-	-
C8	-	-	-	-
C9	-	-	-	-
C10	-	-	-	-
C11	-	-	-	-
C12	-	-	-	-
D1*	A98Z	18	BK	3544886C1
D1#	A91AA	20	BK	3544885C1
D2*	A98NL	18	A14NN	3544886C1
D2#	A91AB	20	GY	3544885C1
D3*	A14NN	18	RD	3544880C1
D3#	A14NN	20	RD	3544879C1
D4	A13N	18	PK	3544880C1
D5*	A11-GNA	18	WH	3544880C1
D5#	A98NL	18	BK	3544880C1
D6	-	-	-	-
D7	A5K(+)	18	YL	3544886C1
D8	A5K(-)	18	GN	3544886C1

* W/ TELEMATICS GEN I
# W/ AWARE II

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
CNA1	14JAN09	TITLE WAS CIRCUIT	B	61254R	U00K640	CIRCUIT DIAGRAM, PROSTAR, LONESTAR
		DIAGRAM, PROSTAR			RELEASE NO. 59637L	DATE 06SEP06

PART NO. AE08055906 SHEET 052

Figure 290 Connector Composites (1960)

https://truckmanualshub.com/

14.62. CONNECTOR COMPOSITES (1962), P. 53

INTERNATIONAL TRUCK AND ENGINE CORPORATION

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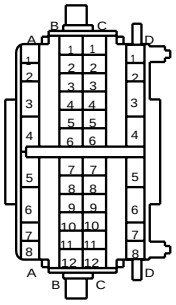
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 14

CONNECTOR BODY COMPOSITE - MATING VIEW SHOWN

MODULE BRACKET "A" CONNECTOR
(1962)
(LOCATED ON MODULE BRACKET)



CONNECTOR 3612515C1
BODY LOCK 3553650C1

CAV	CIR	GAUGE	COLOR	TERMINAL
A1	-	-	-	-
A2	-	-	-	-
A3	A22-G	18	WH	3544876C1
A4	A22E	18	TN	3544876C1
A5	A22D	18	TN	3544876C1
A6	-	-	-	-
A7	-	-	-	-
A8	-	-	-	-
B1	A22C	18	TN	3544884C1
B2	A22B	18	TN	3544884C1
B3	A22VC	18	TN	3544884C1
B4	A22VB	18	TN	3544884C1
B5	A22ZB	18	TN	3544884C1
B6	A22ZC	18	TN	3544884C1
B7	A5P(+)	18	YL	3544884C1
B8	A5P(-)	18	GN	3544884C1
B9	-	-	-	-
B10	A22A	18	TN	3544884C1
B11	A22VA	18	TN	3544884C1
B12	A22ZA	18	TN	3544884C1
C1	A97N	16	PL	3544884C1
C2	A17HC	18	PK	3544884C1
C3	A97X	18	PL	3544884C1
C4	A17HD	16	PK	3544884C1
C5	A17HF	18	PK	3544884C1
C6	A3H(+)	18	DKBL	3544884C1
C7	A3H(-)	18	GY	3544884C1
C8	-	-	-	-
C9	-	-	-	-
C10	-	-	-	-
C11#	A97P	18	PL	3544884C1
C12#	A9P	18	GY	3544884C1
D1	A14HHA	18	RD	3544884C1
D2	A97T	18	PL	3544884C1
D3	A97S	16	PL	3544876C1
D4	A13HA	18	PK	3544876C1
D5	A11-GEC	16	WH	3544876C1
D6	A17HB	18	PK	3544876C1
D7	A97V	18	PL	3544884C1
D8	A97U	18	PL	3544884C1

W/ LONESTAR

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
CNA1	14JAN09	ADDED LONESTAR EFFECT	A	61254R	U00K640	CIRCUIT DIAGRAM, PROSTAR, LONESTAR
					RELEASE NO. 59637L	DATE 06SEP06

PART NO. AE08055906 SHEET 053

Figure 291 Connector Composites (1962)

https://truckmanualshub.com/

14.63. CONNECTOR COMPOSITES (1962), P. 54

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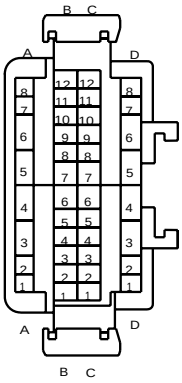
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 14

CONNECTOR BODY COMPOSITE - MATING VIEW SHOWN

IP HARNESS INTERCONNECT
(1962)
(LOCATED ON MODULE BRACKET)



CONNECTOR 3612511C1
BODY LOCK 3553652C1
3553654C1

CAV	CIR	GAUGE	COLOR	TERMINAL
A1	-	-	-	-
A2	-	-	-	-
A3	A22-G	18	WH	3544880C1
A4	A22E	18	TN	3544880C1
A5	A22D	18	TN	3544880C1
A6	-	-	-	-
A7	-	-	-	-
A8	-	-	-	-
B1	A22C	18	TN	3544886C1
B2	A22B	18	TN	3544886C1
B3	A22VC	18	TN	3544886C1
B4	A22VB	18	TN	3544886C1
B5	A22ZB	18	TN	3544886C1
B6	A22ZC	18	TN	3544886C1
B7	A5 (+)	18	GN	3544886C1
B8	A5 (-)	18	YL	3544886C1
B9	-	-	-	-
B10	A22A	18	TN	3544886C1
B11	A22VA	18	TN	3544886C1
B12	A22ZA	18	TN	3544886C1
C1	A97N	16	VT	3544886C1
C2	A17HC	18	PK	3544886C1
C3	A97X	18	VT	3544886C1
C4	A17HD	16	PK	3544886C1
C5	A17HF	18	PK	3544886C1
C6	A3H (+)	18	DKBL	3544886C1
C7	A3H (-)	18	GY	3544886C1
C8	-	-	-	-
C9	-	-	-	-
C10	-	-	-	-
C11	-	-	-	-
C12	-	-	-	-
D1	A14HHA	18	RD	3544886C1
D2	A97T	18	VT	3544886C1
D3	A97S	18	VT	3544880C1
D4	A13HA	18	PK	3544880C1
D5	A11-GEC	16	WH	3544880C1
D6	A17HB	18	PK	3544880C1
D7	A97V	18	VT	3544886C1
D8	A97U	18	VT	3544886C1

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
CNA1	14JAN09	TITLE WAS CIRCUIT	A	61254R	U00K640	CIRCUIT DIAGRAM, PROSTAR, LONESTAR
	DIAGRAM, PROSTAR				RELEASE NO. 59637L	DATE 06SEP06

PART NO. AE08055906 SHEET 054

Figure 292 Connector Composites (1962)

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14.64. CONNECTOR COMPOSITES (1963), (1964), P. 55

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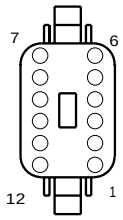
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 14

CONNECTOR BODY COMPOSITE - MATING VIEW SHOWN

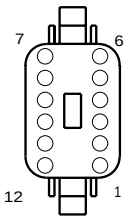
TELEMATICS CONNECTOR 1
(1963)
(LOCATED ON MODULE BRACKET)
(W/ PROSTAR)



CONNECTOR 3601924C1
BODY LOCK 1689428C1

CAV	CIR	GAUGE	COLOR	TERMINAL
1	A14NN	18	RD	1680205C1
2	PLUG	-	-	0453133C1
3	A13N	18	PK	1680205C1
4	PLUG	-	-	0453133C1
5	A98NL	18	BK	1680205C1
6	PLUG	-	-	0453133C1
7	PLUG	-	-	0453133C1
8	PLUG	-	-	0453133C1
9	A5K(+)	18	YL	1680205C1
10	A5K(-)	18	GN	1680205C1
11	A98Z	18	BK	1680205C1
12	A11-GNA	18	WH	1680205C1

TELEMATICS CONNECTOR 2
(1964)
(LOCATED ON MODULE BRACKET)
(W/ PROSTAR)



CONNECTOR 1689427C1
BODY LOCK 1689428C1

CAV	CIR	GAUGE	COLOR	TERMINAL
1	A3BN(+)	18	DKBL	1680205C1
2	A3BN(-)	18	GY	1680205C1
3	PLUG	-	-	0453133C1
4	PLUG	-	-	0453133C1
5	PLUG	-	-	0453133C1
6	A98NS	18	BK	1680205C1
7	PLUG	-	-	0453133C1
8	PLUG	-	-	0453133C1
9	PLUG	-	-	0453133C1
10	PLUG	-	-	0453133C1
11	PLUG	-	-	0453133C1
12	PLUG	-	-	0453133C1

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
CNA1	14JAN09	TITLE WAS CIRCUIT DIAGRAM, PROSTAR	A	61254R	U00K640	CIRCUIT DIAGRAM, PROSTAR, LONESTAR
					RELEASE NO. 59637L	DATE 06SEP06

PART NO. AE08055906 SHEET 055

Figure 293 Connector Composites (1963), (1964)

https://truckmanualshub.com/

14.65. CONNECTOR COMPOSITES (1970), (1973), P. 56

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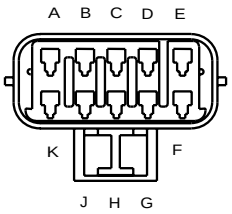
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 14

CONNECTOR BODY COMPOSITE - MATING VIEW SHOWN

SATELLITE COMMUNICATIONS
(1970)
(LOCATED ON RIGHT SIDE BACK OF DOOR)



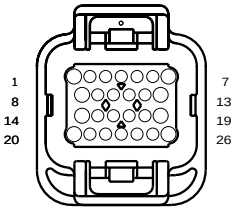
CONNECTOR 3538635C1
BODY LOCK 3538636C1

CAV	CIR	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A*	A14SD	18	RD	1661875C1	3568570C1
A*	A14EA	16	RD	1661875C1	1661872C1
A*	A14ED	18	RD	1661875C1	3568570C1
B*	A13SD	18	PK	1661875C1	3568570C1
B*	A13EE	18	PK	1661875C1	3568570C1
C	A3BD(-)	18	GY	1661875C1	3568570C1
D	A3BD(+)	18	DK BL	1661875C1	3568570C1
E*	A14EBA	18	RD	1661875C1	3568570C1
E*	A98F	18	TN	1661875C1	3568570C1
F	A98J	18	BK	1661875C1	3568570C1
F#	A11-GMB	18	WH	1661875C1	3568570C1
G	PLUG	-	-	2025431C1	2025431C1
H	PLUG	-	-	2025431C1	2025431C1
J	A70E	18	OR	1661875C1	3568570C1
K	A50S	18	YL	1661875C1	3568570C1

* MUTUALLY EXCLUSIVE

W/ LONESTAR

AWARE II
(1973)
(W/ PROSTAR)



CONNECTOR 3672049C1

CAV	CIRCUIT	GA	COLOR	TERMINAL
1	A14NN	20	RD	3672049C1
2	PLUG	-	-	3674969C1
3	HSD1	20	GY	3672049C1
4	PLUG	-	-	3674969C1
5	A91AB	20	GY	3672049C1
6	HSD4	20	GY	3672049C1
7	HSD5	20	GY	3672049C1
8	A13N	18	PK	3672054C1
9	A5K(+)	20	YL	3672049C1
10	A5K(-)	20	GN	3672049C1
11	ANA8	20	LTGN	3672049C1
12	A91AA	20	BK	3672049C1
13	HSD6	18	GY	3672054C1
14	A98NM	18	BK	3672054C1
15	ANA5	20	GY	3672049C1
16	A3BN(+)	20	DKBL	3672049C1
17	PLUG	-	-	3674969C1
18	ANA7	20	GY	3672049C1
19	HSD7	18	GY	3672054C1
20	A98NN	18	BK	3672054C1
21	PLUG	-	-	3674969C1
22	A91AC	20	BK	3672049C1
23	A3BN(-)	20	GY	3672049C1
24	PLUG	-	-	3674969C1
25	5VREF1	20	LTGN	3672049C1
26	HSD8	20	GY	3672049C1

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
CNA1	14JAN09	ADDED LONESTAR EFFECT	B	61254R	U00K640	CIRCUIT DIAGRAM, PROSTAR, LONESTAR
					RELEASE NO. 59637L	DATE 07SEP06

PART NO. AE08055906 SHEET 056

Figure 294 Connector Composites (1970), (1973)

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14.66. CONNECTOR COMPOSITES (1974), (1975), P. 56A

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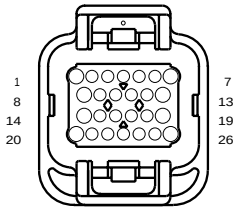
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 14

CONNECTOR BODY COMPOSITE - MATING VIEW SHOWN

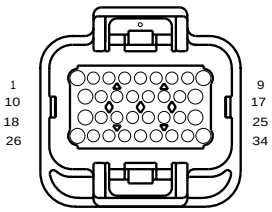
AWARE II
(1974)
(W/ PROSTAR)



CONNECTOR 3672022C1

CAV	CIRCUIT	GA	COLOR	TERMINAL
1	PLUG	-	-	3674969C1
2	PLUG	-	-	3674969C1
3	PLUG	-	-	3674969C1
4	PLUG	-	-	3674969C1
5	PLUG	-	-	3674969C1
6	PLUG	-	-	3674969C1
7	PLUG	-	-	3674969C1
8	PLUG	-	-	3674969C1
9	PLUG	-	-	3674969C1
10	PLUG	-	-	3674969C1
11	PLUG	-	-	3674969C1
12	PLUG	-	-	3674969C1
13	PLUG	-	-	3674969C1
14	PLUG	-	-	3674969C1
15	PLUG	-	-	3674969C1
16	PLUG	-	-	3674969C1
17	PLUG	-	-	3674969C1
18	PLUG	-	-	3674969C1
19	PLUG	-	-	3674969C1
20	PLUG	-	-	3674969C1
21	PLUG	-	-	3674969C1
22	PLUG	-	-	3674969C1
23	PLUG	-	-	3674969C1
24	PLUG	-	-	3674969C1
25	PLUG	-	-	3674969C1
26	PLUG	-	-	3674969C1

AWARE II
(1975)
(W/ PROSTAR)



CONNECTOR 3672024C1

CAV	CIRCUIT	GA	COLOR	TERMINAL
1	5VREF5	20	LTGN	3672049C1
2	PLUG	-	-	3674969C1
3	PLUG	-	-	3674969C1
4	PLUG	-	-	3674969C1
5	ANA4	20	LTGN	3672049C1
6	ANA9	20	LTGN	3672049C1
7	ANA10	20	LTGN	3672049C1
8	ANA11	20	LTGN	3672049C1
9	PLUG	-	-	3674969C1
10	5VREF4	18	LTGN	3672054C1
11	5VREF6	20	LTGN	3672049C1
12	5VREF7	20	LTGN	3672049C1
13	5VREF8	20	LTGN	3672049C1
14	PLUG	-	-	3674969C1
15	PLUG	-	-	3674969C1
16	PLUG	-	-	3674969C1
17	GDREF4	18	GY	3672054C1
18	5VREF3	18	LTGN	3672054C1
19	GDREF8	20	GY	3672049C1
20	GDREF6	20	GY	3672049C1
21	GDREF5	20	GY	3672049C1
22	PLUG	-	-	3674969C1
23	PLUG	-	-	3674969C1
24	PLUG	-	-	3674969C1
25	PLUG	-	-	3674969C1
26	5VREF2	18	LTGN	3672054C1
27	GDREF1	20	GY	3672049C1
28	GDREF7	20	GY	3672049C1
29	GEREF2	20	GY	3672049C1
30	GEREF3	20	GY	3672049C1
31	PLUG	-	-	3674969C1
32	PLUG	-	-	3674969C1
33	PLUG	-	-	3674969C1
34	PLUG	-	-	3674969C1

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
CNA1	14JAN09	TITLE WAS CIRCUIT	B	61254R	300152	CIRCUIT DIAGRAM, PROSTAR, LONESTAR
	DIAGRAM, PROSTAR				RELEASE NO. 50297W	DATE 18OCT07

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Figure 295 Connector Composites (1974), (1975)

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14.67. CONNECTOR COMPOSITES (2000), P. 56B

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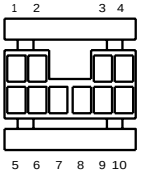
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 14

CONNECTOR BODY COMPOSITE - MATING VIEW SHOWN

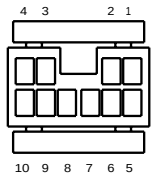
IP / ROOF CONNECTION
(2000)
(LOCATED IN INSTRUMENT PANEL - LEFT SIDE)



CONNECTOR 3544688C1
BODY LOCK 3540615C1

CAV	CIR	GAUGE	COLOR	TERMINAL
1	A58T	18	BN	3544692C1
2	A86F	18	LTGN	3544692C1
3	A63-GA	16	WH	3544694C1
4	A63D	18	DKBL	3544692C1
5	A63BD	18	DKBL	3544692C1
6*	A86HB	18	LTGN	3544692C1
7	A86K	18	LTGN	3544692C1
7*	A86JB	18	LTGN	3544692C1
8	A86L	18	LTGN	3544692C1
9	A86H	18	LTGN	3544692C1
10	A86J	18	LTGN	3544692C1

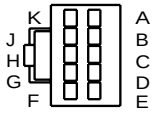
* W/ LONESTAR



CONNECTOR 3544687C1

CAV	CIR	GAUGE	COLOR	TERMINAL
1	D58T	18	BN	3544691C1
2	D86F	16	LTGN	3544693C1
3	D63-GA	16	WH	3544693C1
4	D63D	18	DKBL	3544691C1
5	D63E	18	DKBL	3544691C1
6	-	-	-	-
7	D86K	18	LTGN	3544691C1
8	D86L	18	LTGN	3544691C1
9	D86H	18	LTGN	3544691C1
10	D86J	18	LTGN	3544691C1

IP / ROOF CONNECTION
(2000)
(LOCATED IN INSTRUMENT PANEL - LEFT SIDE)
(W/ LONESTAR)



CONNECTOR 3540614C1
BODY LOCK 3540614C1

CAV	CIR	GAUGE	COLOR	TERMINAL
A	D58T	18	BN	1661261C1
B	D86F	16	LT	1661261C1
C	D63-GA	16	WH	1661261C1
D	D63D	18	DK	1661261C1
E	D63E	18	DK	1661261C1
F	-	-	-	-
G	D86K	18	LT	1661261C1
H	D86L	18	LT	1661261C1
I	-	-	-	-
J	D86H	18	LT	1661261C1
K	D86J	18	LT	1661261C1

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
CNA1	14JAN09	ADDED LONESTAR EFFECT	B	61254R	300152	CIRCUIT DIAGRAM, PROSTAR, LONESTAR
					RELEASE NO. 50297W	DATE 18OCT07

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Figure 296 Connector Composites (2000)

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14.68. CONNECTOR COMPOSITES (2002M), (2003M), (2004M), (2005M), (2006M), (2007F), P. 57

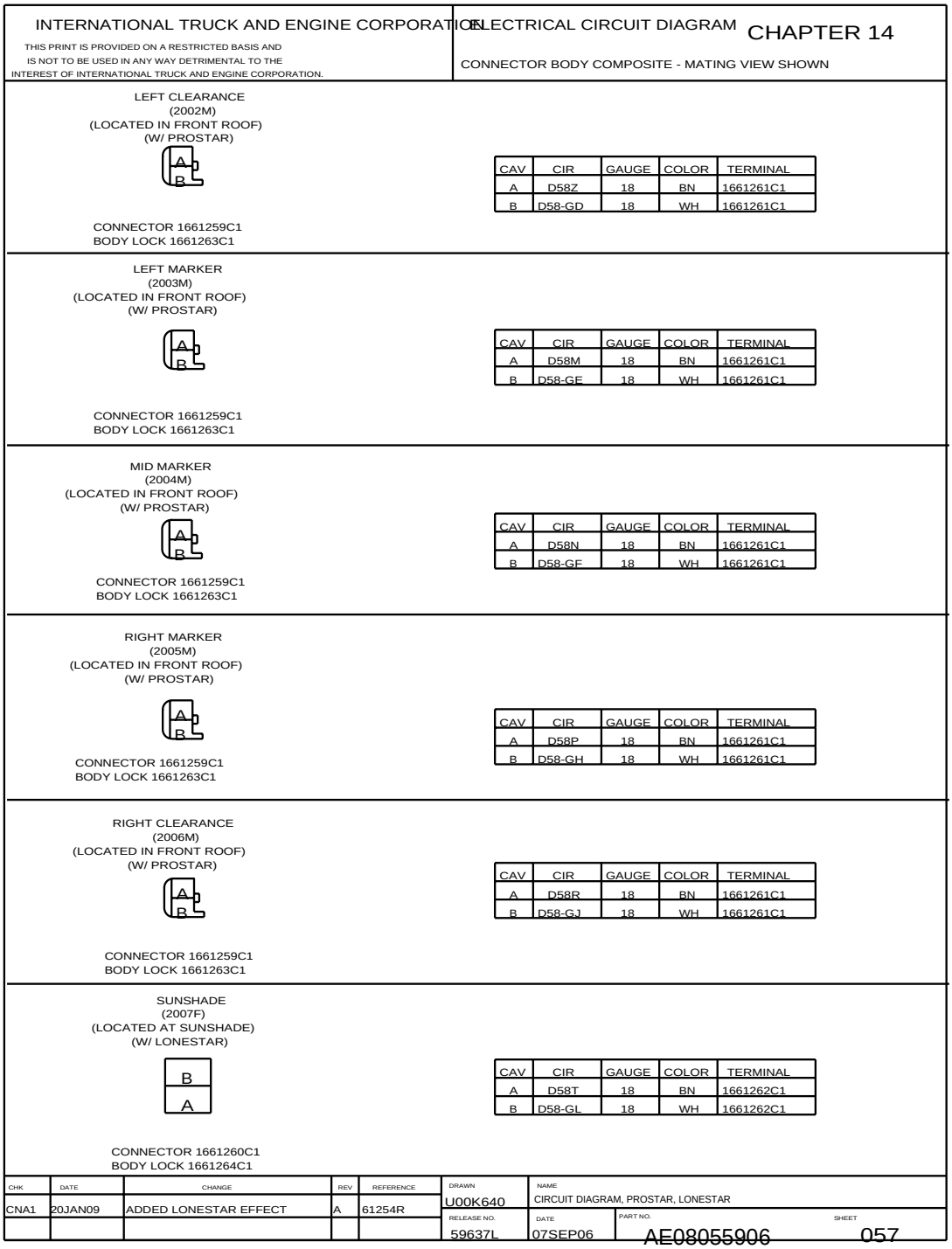

Figure 297 Connector Composites (2002M), (2003M), (2004M), (2005M), (2006M), (2007F)

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14.69. CONNECTOR COMPOSITES (2100), (2101), (2102), (2103), P. 58

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ELECTRICAL CIRCUIT DIAGRAM CHAPTER 14

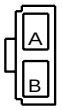
CONNECTOR BODY COMPOSITE - MATING VIEW SHOWN

HEADLINER TO DOME LIGHT
(2100)
(LOCATED IN CAB ROOF)
(W/ PROSTAR)

CONNECTOR 1661198C1

CAV	CIR	GAUGE	COLOR	TERMINAL
A	C63-GE	18	WH	1661261C1
B	C63D	18	DKBL	1661261C1
C	C63E	18	DKBL	1661261C1

HEADLINER TO ROOF HARNESS
(2101)
(LOCATED IN CAB ROOF FRONT)
(W/ PROSTAR)



CONNECTOR 1669972C1

CAV	CIR	GAUGE	COLOR	TERMINAL
A#	D63L	18	BL	1661212C1
A**	D63D	18	DKBL	1661208C1
A*	D63-GM	18	DKBL	1661208C1
B#	D63L-G	18	WH	1661212C1
B*	D63-GM	18	WH	1661208C1
B**	D63-GM	18	DKBL	1661208C1

\# W/ DOME LIGHT
* W/ SLEEPER
** W/ SLEEPER-2

ROOF / DOME LIGHT CONNECTION
(2101)
(LOCATED IN CAB ROOF FRONT)
(W/ LONESTAR)

CONNECTOR 1661260C1
BODY LOCK 1661264C1

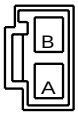
CAV	CIR	GAUGE	COLOR	TERMINAL
A	D63D	18	DK	1661262C1
B	D63-GM	18	WH	1661262C1

MAP / READING LIGHT
(2102)
(LOCATED IN CAB ROOF)
(W/ PROSTAR)

CONNECTOR 1669972C1

CAV	CIR	GAUGE	COLOR	TERMINAL
A	D63M	18	DKBL	1661208C1
B	D63-GF	18	WH	1661208C1

MAP / READING LIGHT
(2102)
(LOCATED IN CAB ROOF)
(W/ LONESTAR)



CONNECTOR 1669973C1

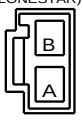
CAV	CIR	GAUGE	COLOR	TERMINAL
A	D63M	18	DK	1661212C1
B	D63-GF	18	WH	1661212C1

MAP / READING LIGHT
(2103)
(LOCATED IN CAB ROOF)
(W/ PROSTAR)

CONNECTOR 1669972C1

CAV	CIR	GAUGE	COLOR	TERMINAL
A	D63C	18	DKBL	1661208C1
B	D63-GE	18	WH	1661208C1

MAP / READING LIGHT
(2103)
(LOCATED IN CAB ROOF)
(W/ LONESTAR)



CONNECTOR 1669973C1

CAV	CIR	GAUGE	COLOR	TERMINAL
A	D63C	18	DK	1661212C1
B	D63-GE	18	WH	1661212C1

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
CNA1	14JAN09	ADDED LONESTAR EFFECT	A	61254R	U00K640	CIRCUIT DIAGRAM, PROSTAR, LONESTAR
					RELEASE NO. 59637L	DATE 07SEP06

PART NO. AE08055906 SHEET 058

Figure 298 Connector Composites (2100), (2101), (2102), (2103)

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14.70. CONNECTOR COMPOSITES (2200), (2201), P. 59

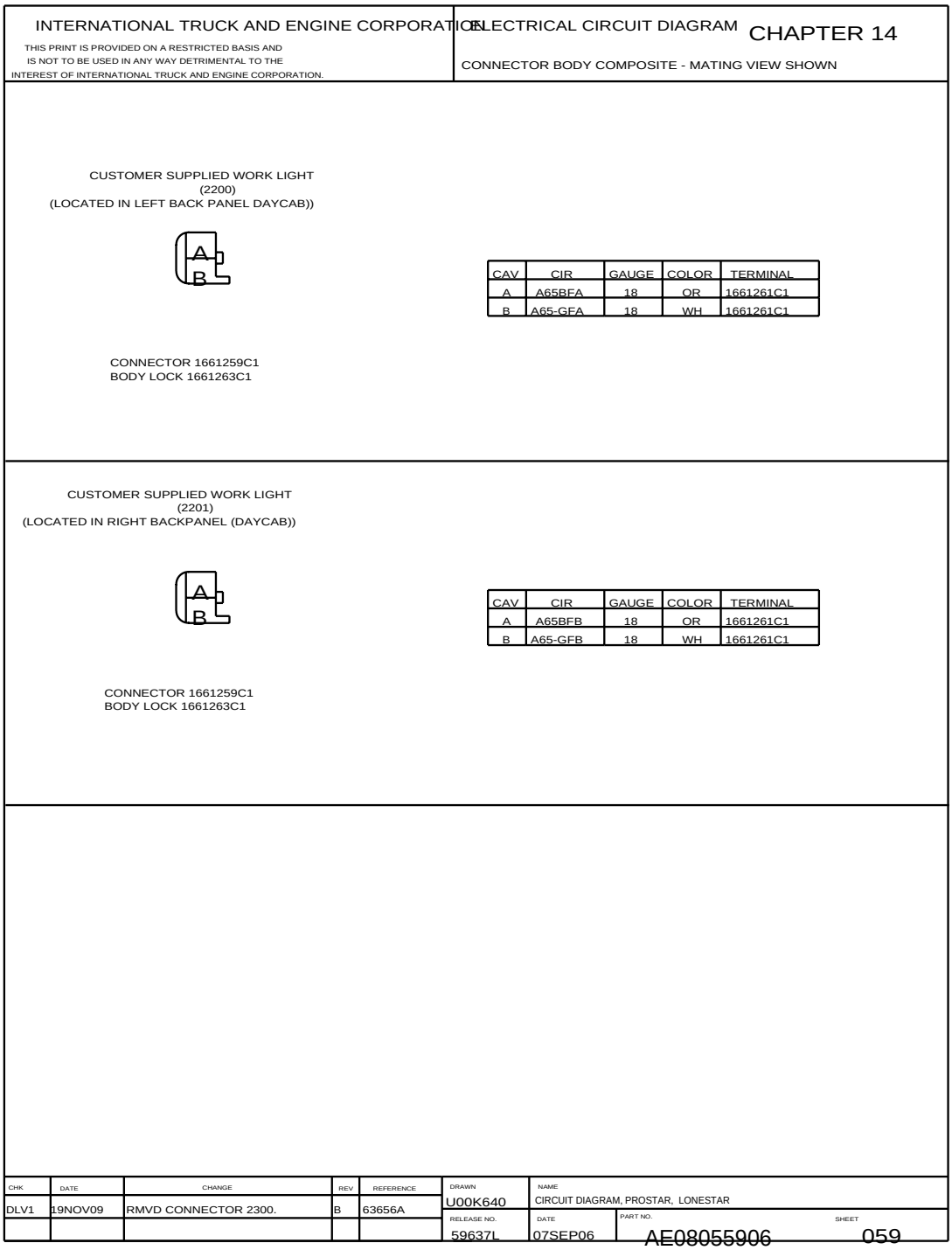

Figure 299 Connector Composites (2200), (2201)

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14.71. CONNECTOR COMPOSITES (2224), (2225), (2227), P. 59A

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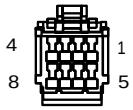
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 14

CONNECTOR BODY COMPOSITE - MATING VIEW SHOWN

DRIVER DISPLAY POWER
(2224)
(LOCATED IN INSTRUMENT PANEL CENTER)



CONNECTOR - 3833917C1
BODY LOCK - N/A

CAV	CIR	GAUGE	COLOR	TERMINAL
1	A14A	12	RD	3535805C1
2	A10AA	20	WH	3535805C1
3	A12B	18	LTBL	3535805C1
4	-	-	-	-
5	A10AB	20	WH	3535805C1
6	A86A(+)	20	YL	3535805C1
7	A86A(-)	20	GN	3535805C1
8	-	-	-	-

DRIVER DISPLAY IO/MIC
(2225)
(LOCATED IN INSTRUMENT PANEL CENTER)

CONNECTOR - 3834322C1
BODY LOCK - N/A

CAV	CIR	GAUGE	COLOR	TERMINAL
1	A9A	20	WH	3835322C1
2	-	-	-	-
3	-	-	-	-
4	-	-	-	-
5	-	-	-	-
6	-	-	-	-
7	-	-	-	-
8	A5L(+)	20	YL	3835322C1
9	-	-	-	-
10	A10AC	20	WH	3835322C1
11	A86AA	20	LTGN	3835322C1
12	A86AB	20	LTGN	3835322C1
13	A86AC	20	LTGN	3835322C1
14	A86AD	20	LTGN	3835322C1
15	A10AD	20	WH	3835322C1
16	A5L(-)	20	GN	3835322C1

DRIVER DISPLAY J1939 RESISTOR
(2227)
(LOCATED IN INSTRUMENT PANEL CENTER)

CONNECTOR 1667741C1
BODY LOCK 1667771C1

CAV	CIR	GAUGE	COLOR	TERMINAL
A	A86F(+)	18	YL	1661875C1
B	-	-	-	-
C	A86F(-)	18	GN	1661875C1

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
DLV1	19NOV09	INITIAL RELEASE.	A	63656A	U00SLK3	CIRCUIT DIAGRAM, PROSTAR, LONESTAR
					RELEASE NO. 63656A	DATE 19OCT09

PART NO. AE08055906 SHEET 59A

Figure 300 Connector Composites (2224), (2225), (2227)

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14.72. CONNECTOR COMPOSITES (2300), (2301), (2302), P. 60

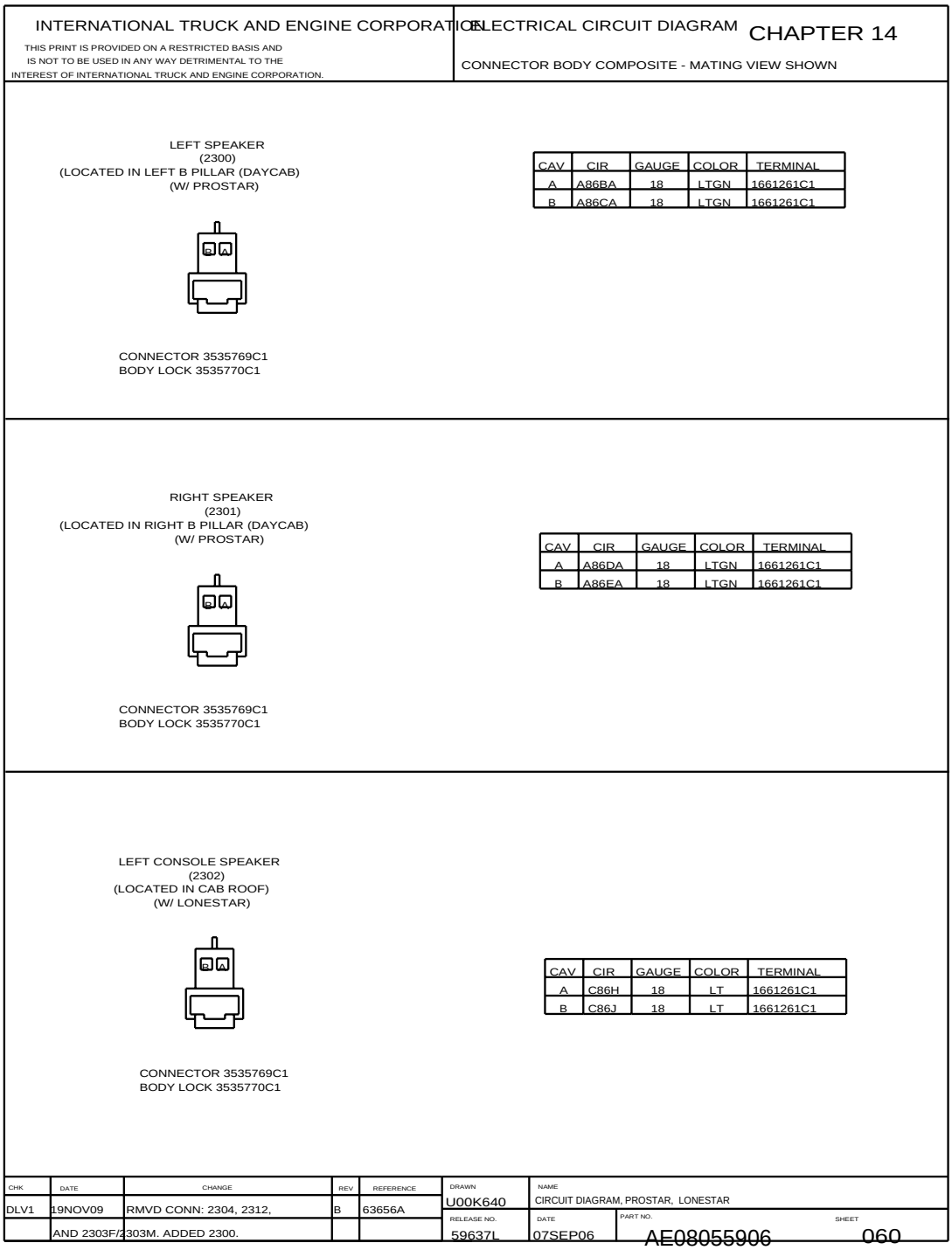

Figure 301 Connector Composites (2300), (2301), (2302)

https://truckmanualshub.com/

14.73. CONNECTOR COMPOSITES (2303F/2303M), (2304), (2312), P. 60A

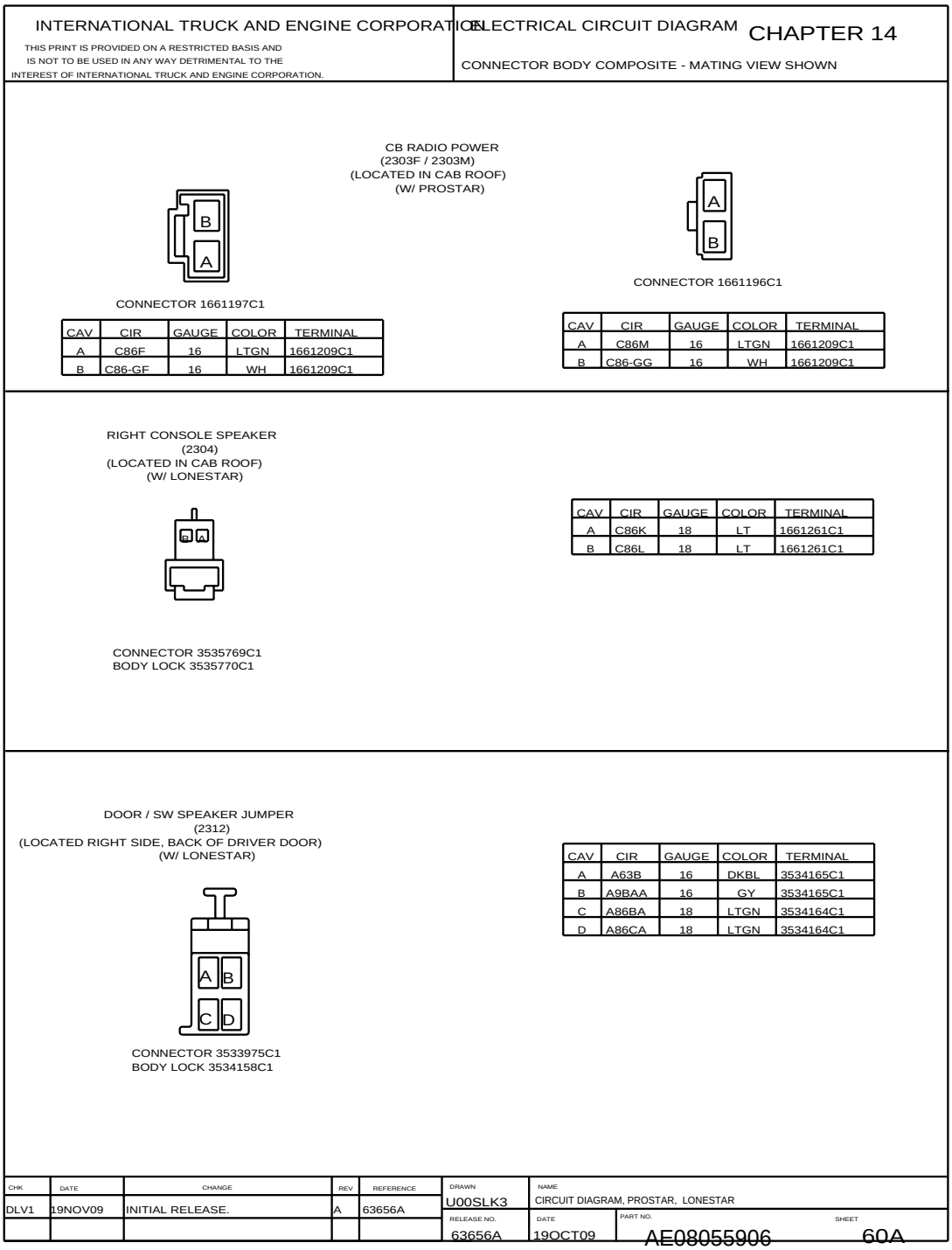

Figure 302 Connector Composites (2303F/2303M), (2304), (2312)

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14.74. CONNECTOR COMPOSITES (2313), (2500), P. 61

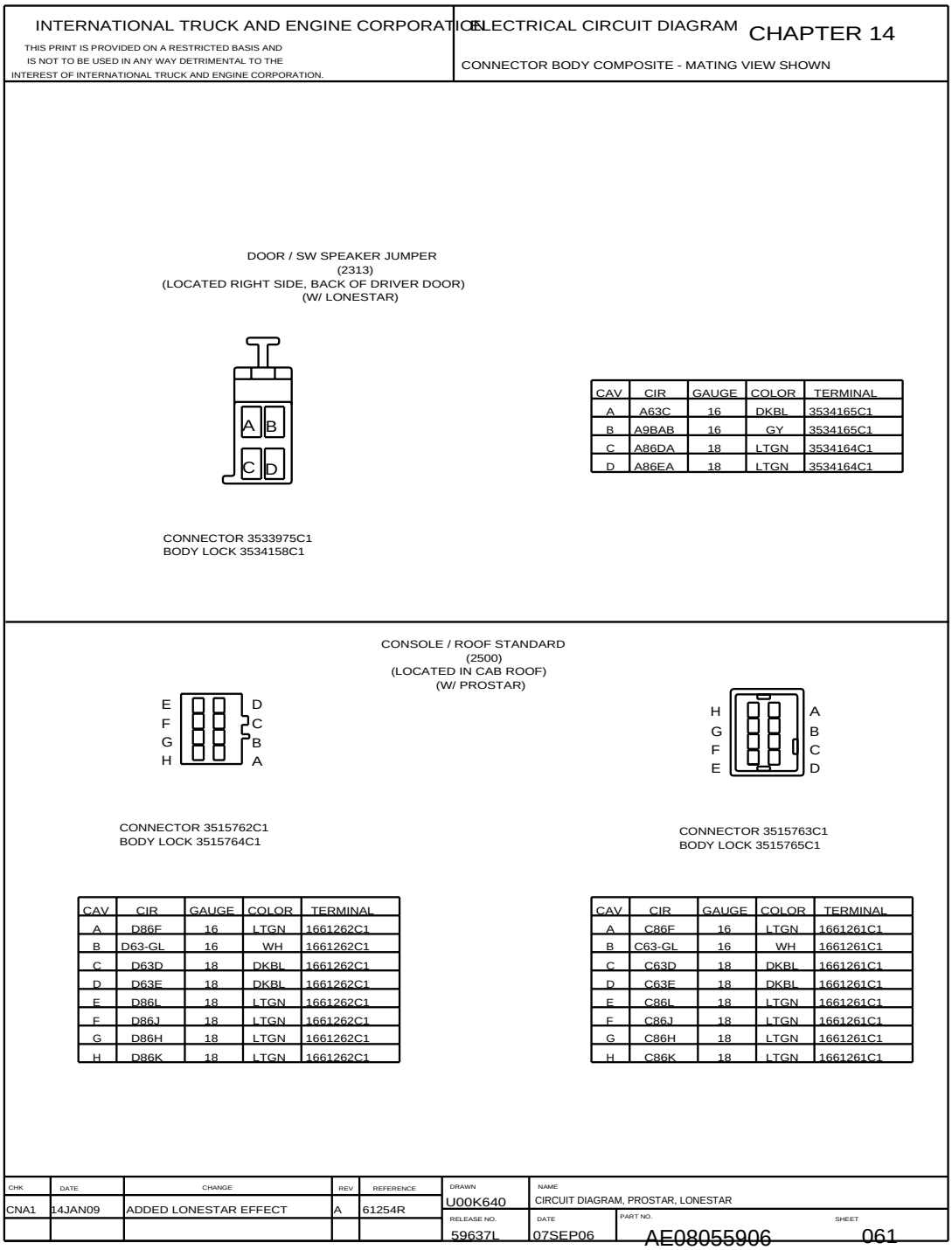

Figure 303 Connector Composites (2313), (2500)

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14.75. CONNECTOR COMPOSITES (3000), (3003/3003M), (3100/3100M), P. 62

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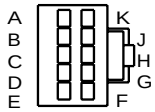
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 14

CONNECTOR BODY COMPOSITE - MATING VIEW SHOWN

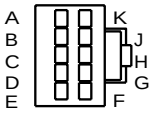
DRIVER DOOR CONNECTOR
(3000)
(LOCATED IN INSTRUMENT PANEL BELOW FUSE PANEL COVER BY DRIVER DOOR)



CONNECTOR 3540612C1
BODY LOCK 3540614C1

CAV	CIR	GAUGE	COLOR	TERMINAL
A	A78D	18	LTGN	1661261C1
B	A78E	18	LTGN	1661261C1
C	A78F	18	LTGN	1661261C1
D	A78A	16	LTGN	1661261C1
E	A62BD	18	DKBL	1661261C1
F	A58DA	18	BN	1661261C1
G	A78V	18	LTGN	1661261C1
H	A78-GA	16	WH	1661261C1
J	A56D	18	OR	1661261C1
K	-	-	-	-

PASSENGER DOOR HARNESS
(3003 / 3003M)
(LOCATED IN INSTRUMENT PANEL BELOW FUSE PANEL COVER BY PASSENGER DOOR)



CONNECTOR 3540612C1
BODY LOCK 3540614C1

CAV	CIR	GAUGE	COLOR	TERMINAL
A	A78D	18	LTGN	1661261C1
B	A78E	18	LTGN	1661261C1
C	A78F	18	LTGN	1661261C1
D	A78B	16	LTGN	1661261C1
E	-	-	-	-
F	A58DB	18	BN	1661261C1
G	-	-	-	-
H	A78-GB	16	WH	1661261C1
J	A57D	18	OR	1661261C1
K	-	-	-	-

WINDOW MOTOR
(3100 / 3100M)
(LOCATED IN DOOR (DRIVER AND PASSENGER))

CONNECTOR 3534424C1
BODY LOCK 3534425C1

CAV	CIR	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	E83A	14	LTGN	3535486C1	0589391C1
B	E83E	14	LTGN	3535486C1	0589391C1

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
CNA1	14JAN09	TITLE WAS CIRCUIT	B	61254R	U00K640	CIRCUIT DIAGRAM, PROSTAR, LONESTAR
		DIAGRAM, PROSTAR			RELEASE NO. 59637L	DATE 07SEP06

PART NO. AE08055906 SHEET 062

Figure 304 Connector Composites (3000), (3003/3003M), (3100/3100M)

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14.76. CONNECTOR COMPOSITES (3200/3200F), (3201M), (3202M), (3203), (3203M), P. 63

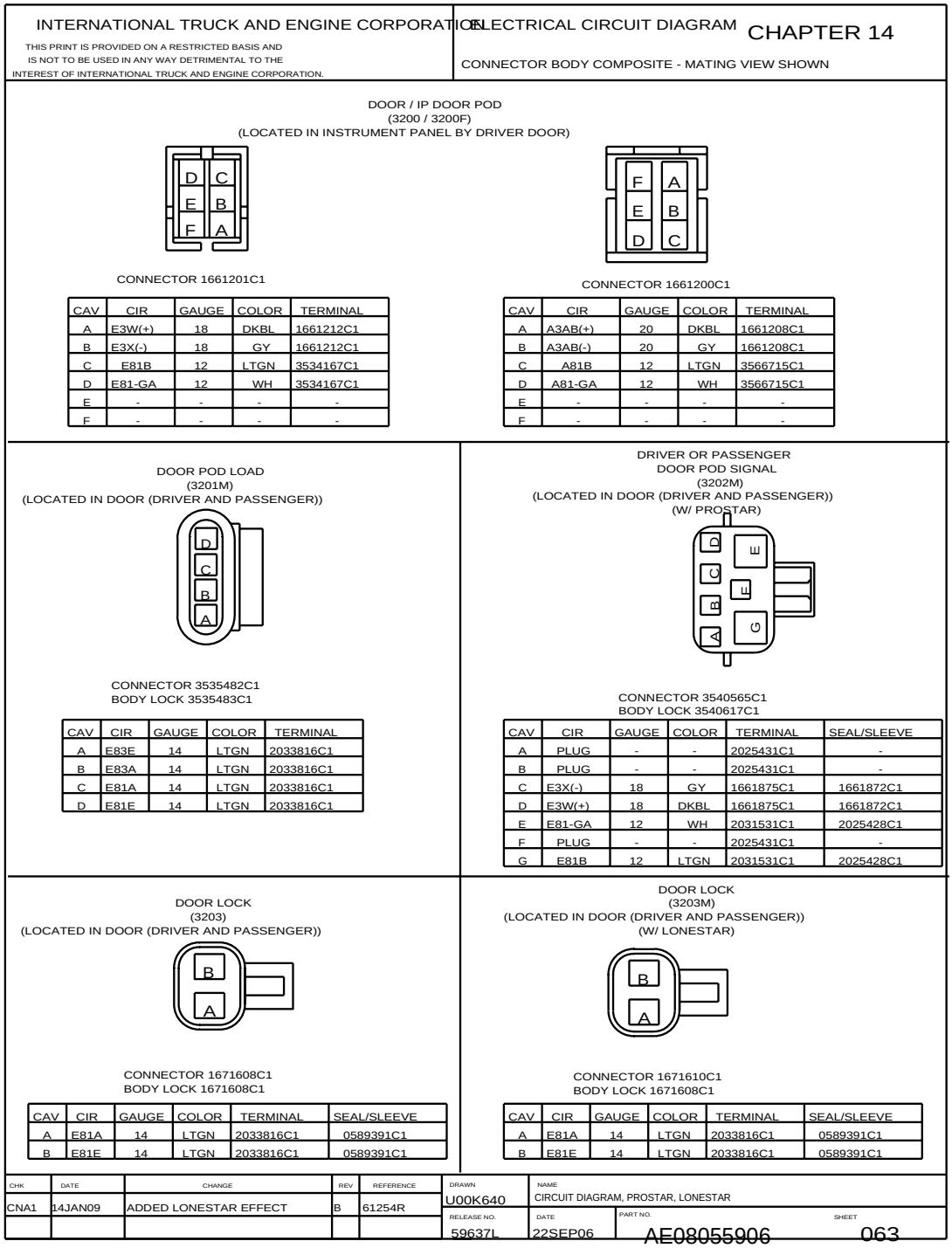

Figure 305 Connector Composites (3200/3200F), (3201M), (3202M), (3203), (3203M)

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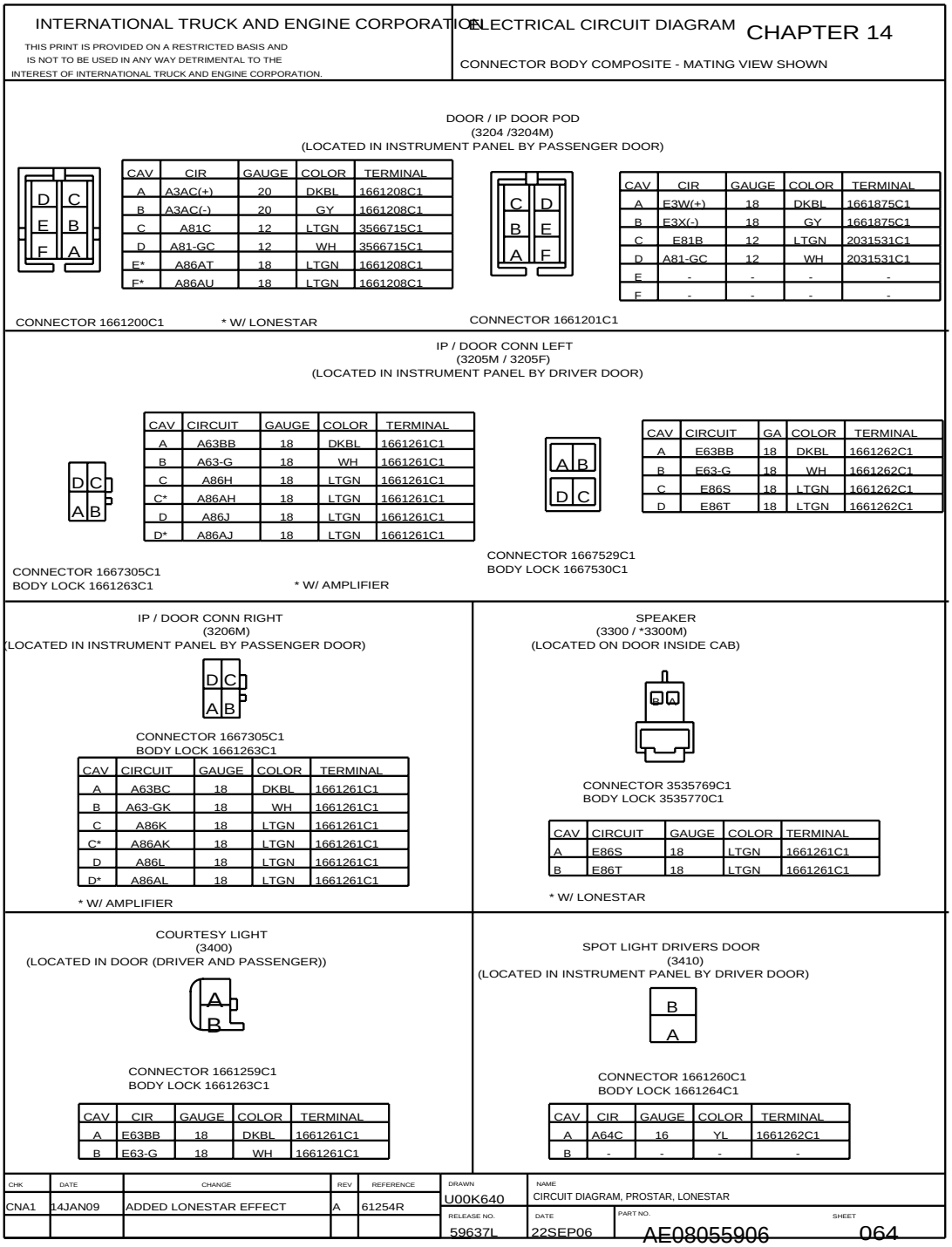
14.77. CONNECTOR COMPOSITES (3204/3204M), (3205M/3205F), (3206M), (3300/3300M), (3400), (3410), P. 64



CAV	CIR	GAUGE	COLOR	TERMINAL
A	A3AC(+)	20	DKBL	1661208C1
B	A3AC(-)	20	GY	1661208C1
C	A81C	12	LTGN	3566715C1
D	A81-GC	12	WH	3566715C1
E*	A86AT	18	LTGN	1661208C1
F*	A86AU	18	LTGN	1661208C1

CAV	CIR	GAUGE	COLOR	TERMINAL
A	E3W(+)	18	DKBL	1661875C1
B	E3X(-)	18	GY	1661875C1
C	E81B	12	LTGN	2031531C1
D	A81-GC	12	WH	2031531C1
E	-	-	-	-
F	-	-	-	-

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A	A63BB	18	DKBL	1661261C1
B	A63-G	18	WH	1661261C1
C	A86H	18	LTGN	1661261C1
C*	A86AH	18	LTGN	1661261C1
D	A86J	18	LTGN	1661261C1
D*	A86AJ	18	LTGN	1661261C1

CAV	CIRCUIT	GA	COLOR	TERMINAL
A	E63BB	18	DKBL	1661262C1
B	E63-G	18	WH	1661262C1
C	E86S	18	LTGN	1661262C1
D	E86T	18	LTGN	1661262C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A	A63BC	18	DKBL	1661261C1
B	A63-GK	18	WH	1661261C1
C	A86K	18	LTGN	1661261C1
C*	A86AK	18	LTGN	1661261C1
D	A86L	18	LTGN	1661261C1
D*	A86AL	18	LTGN	1661261C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A	E86S	18	LTGN	1661261C1
B	E86T	18	LTGN	1661261C1

CAV	CIR	GAUGE	COLOR	TERMINAL
A	E63BB	18	DKBL	1661261C1
B	E63-G	18	WH	1661261C1

CAV	CIR	GAUGE	COLOR	TERMINAL
A	A64C	16	YL	1661262C1
B	-	-	-	-

Figure 306 Connector Composites (3204/3204M), (3205M/3205F), (3206M), (3300/3300M), (3400), (3410)

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14.78. CONNECTOR COMPOSITES (4101), (4200), (4201), (4202), (4203), (4204), P. 65

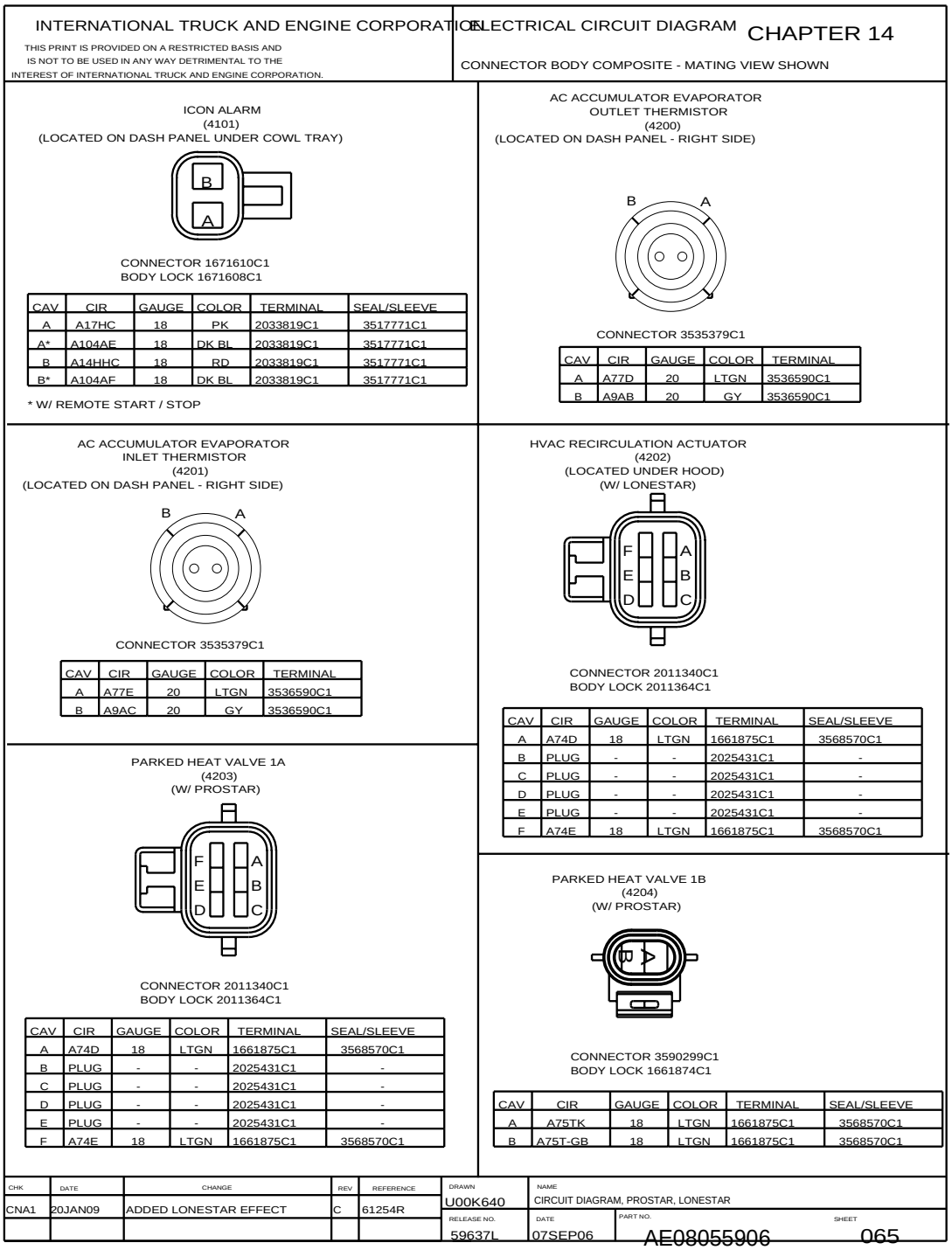

Figure 307 Connector Composites (4101), (4200), (4201), (4202), (4203), (4204)

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14.79. CONNECTOR COMPOSITES (4328), (4500), (4705), (4706), P. 65A

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ELECTRICAL CIRCUIT DIAGRAM CHAPTER 14

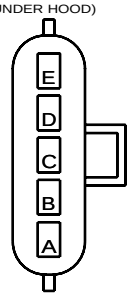
CONNECTOR BODY COMPOSITE - MATING VIEW SHOWN

ENGINE DIAGNOSTICS CONNECTOR
(4328)
(W/ PROSTAR)

CONNECTOR 3602454C1
BODY LOCK 1655705C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A	K98YL6	18	YL	3572626C1
B	K98GN6	18	GN	3572626C1
C	K91A	18	VT	3572626C1

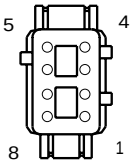
WIPER MOTOR
(4500)
(LOCATED UNDER HOOD)



CONNECTOR 1661375C2
BODY LOCK 1661376C1

CAV	CIR	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	A82D	16	GY	2033819C1	1652325C1
B	A82J	16	GY	2033819C1	1652325C1
C	A82-G	16	WH	2033819C1	1652325C1
D	A82K	16	GY	2033819C1	1652325C1
E	A82L	16	GY	2033819C1	1652325C1

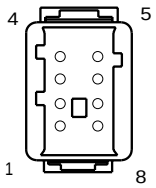
BODY BUILDER CONNECTOR
(4705)
(W/ PROSTAR)



CONNECTOR 3539139C1
BODY LOCK 3539144C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	K92A15	18	TN	3518963C1
2	K92A11	18	TN	3518963C1
3	K92A12	18	TN	3518963C1
4	K92A13	18	TN	3518963C1
5	K92A9	18	TN	3518963C1
6	K92A10	18	TN	3518963C1
7	K92A8	18	TN	3518963C1
8	PLUG	-	-	3527276C1

BODY BUILDER CONNECTOR 2
(4706)
(W/ PROSTAR)



CONNECTOR 3539140C1
BODY LOCK 3539145C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	K92A5	18	TN	3518961C1
2	K92A4	18	TN	3518961C1
3	K92A3	18	TN	3518961C1
4	K92A14	18	TN	3518961C1
5	K92A2	18	TN	3518961C1
6	K92A6	18	TN	3518961C1
7	K92A7	18	TN	3518961C1
8	K92A1	18	TN	3518961C1

CHK	DATE	CHANGE	REV	REFERENCE
CNA1	14JAN09	TITLE WAS CIRCUIT	B	61254R
		DIAGRAM, PROSTAR		

DRAWN 380061
NAME CIRCUIT DIAGRAM, PROSTAR, LONESTAR
RELEASE NO. 61296K
DATE 08APR08
PART NO. AE08055906
SHEET 65A

Figure 308 Connector Composites (4328), (4500), (4705), (4706)

https://truckmanualshub.com/

14.80. CONNECTOR COMPOSITES (5000/5000A), P. 66

INTERNATIONAL TRUCK AND ENGINE CORPORATION

ELECTRICAL CIRCUIT DIAGRAM

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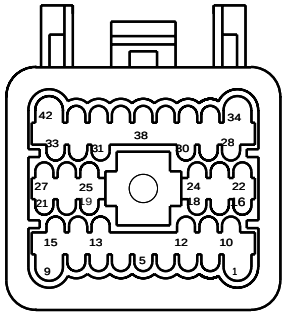
CONNECTOR BODY COMPOSITE - MATING VIEW SHOWN

CAB CONNECTOR
IP/SLEEPER CONNECTION
(5000 / ##5000A)
(LOCATED LEFT SIDE,
BACK OF DRIVER DOOR)



CONNECTOR 3595621C1
BODY LOCK 3598918C1
3598919C1

* W/ ICON
\# W/ REMOTE START STOP
% N/ IDLE HEAT - CAB
& W/ PROSTAR
W/ LONESTAR

CAV	CIR	GAUGE	COLOR	TERMINAL
1	A14VA	10	RD	3574287C1
2##	A97Z	18	PL	2003343C1
3##	A86BB	18	LTGN	2003343C1
4##	A86CB	18	LTGN	2003343C1
5##	A86DB	18	LTGN	2003343C1
6##	A86EB	18	LTGN	2003343C1
7##	A63JB	18	DKBL	2003343C1
8##	A86AA	18	LTGN	2003343C1
9	PLUG	-	-	3508928C91
10##	A86AC	18	LTGN	2003343C1
11##	A86K	18	LTGN	2003343C1
12##	A86L	18	LTGN	2003343C1
13##	A86AK	18	LTGN	2003343C1
14##	A86AL	18	LTGN	2003343C1
15##	A86AH	18	LTGN	2003343C1
16##	A86AJ	18	LTGN	2003343C1
17	A12B	18	LTBL	2003343C1
18	A63AW	18	DKBL	2003343C1
19	A58C	16	BN	3574285C1
19##	A58BLT	14	BN	3574285C1
20##	A65	16	OR	3574285C1
		18		2003343C1
21	A65B	16	OR	3574285C1
22	A109S	18	GY	2003343C1
23	A86H	18	LTGN	2003343C1
24	A86J	18	LTGN	2003343C1
25#	A104AC	18	DKBL	2003343C1
26#	A104AB	18	DKBL	2003343C1
27#	A104AA	18	DKBL	2003343C1
28#	A104AH	16	DKBL	3574285C1
29	A97K	18	PL	2003343C1
29##	A104AE	18	DKBL	2003343C1
29%&	A75TJ	18	LTGN	2003343C1
30	A97L	18	PL	2003343C1
30%	A75TL	18	LTGN	2003343C1
30#%	A104AJ	18	DKBL	3574285C1
31	A62A	18	DKBL	2003343C1
32	A63E	18	DKBL	2003343C1
33	A63F	18	DKBL	2003343C1
34	PLUG	-	-	3508928C91
35	A5S(+)	18	YL	2003343C1
36	A5S(-)	18	GN	2003343C1
37	A63C	18	DKBL	2003343C1
38	A14HHB	18	RD	2003343C1
38%	A75TM	18	LTGN	2003343C1
38#	A13FL	16	PK	3574285C1
39	A97T	18	PL	2003343C1
39%	A75TN	18	LTGN	2003343C1
39#	A13F	16	PK	3574285C1
40*	A13HB	18	PK	2003343C1
40#	A104AD	18	DKBL	2003343C1
41#	A9RC	18	GY	2003343C1
42	A14VB	10	RD	3574287C1

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
CNA1	14JAN09	ADDED LONESTAR EFFECT	D	61254R	U00K640	CIRCUIT DIAGRAM, PROSTAR, LONESTAR
					RELEASE NO. 59637L	DATE 07SEP06

PART NO. AE08055906 SHEET 066

Figure 309 Connector Composites (5000/5000A)

https://truckmanualshub.com/

14.81. CONNECTOR COMPOSITES (5000), P. 67

INTERNATIONAL TRUCK AND ENGINE CORPORATION

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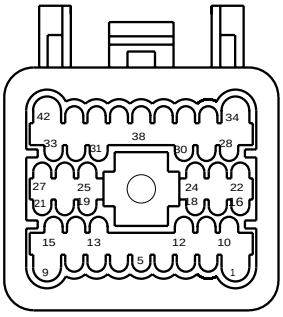
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 14

CONNECTOR BODY COMPOSITE - MATING VIEW SHOWN

CAB / SLEEPER
SLEEPER CONNECTOR
(5000)
(LOCATED LEFT SIDE, BACK OF DRIVER DOOR)



CONNECTOR 3595620C1
BODY LOCK 3598916C1
3598917C1

CAV	CIR	GAUGE	COLOR	TERMINAL
1	H14VA	10	RD	3549415C1
2	H97Z	18	VT	3549418C1
3	H86BB	18	LTGN	3549418C1
4	H86CB	18	LTGN	3549418C1
5	H86DB	18	LTGN	3549418C1
6	H86ED	18	LTGN	3549418C1
7	H63JB	18	DKBL	3549418C1
8	H86AB	18	LTGN	3549418C1
9	PLUG	-	-	3508928C1
10	H86AC	18	LT GN	3549418C1
11	H86K	18	LT GN	3549418C1
12	H86L	18	LT GN	3549418C1
13	H86AK	18	LT GN	3549418C1
14	H86AL	18	LT GN	3549418C1
15	H86AH	18	LT GN	3549418C1
16	H86AJ	18	LT GN	3549418C1
17*	H12B	18	LTBL	3549418C1
17#	H12B	18	VT	3549418C1
18	H63AW	18	DKBL	3549418C1
19	H58C	16	BK	3549418C1
20	H65	16	OR	3549417C1
21	H65B	16	OR	3549418C1
22	H109S	18	GY	3549418C1
23##	H86H	18	LTGN	3549418C1
24##	H86J	18	LTGN	3549418C1
25**	H104AC	18	DKBL	3549418C1
26**	H104AB	18	DKBL	3549418C1
27**	H104AA	18	DKBL	3549418C1
28**	H104AH	18	DKBL	3549418C1
29	H97K	18	VT	3549418C1
29%&	HH75TJ	18	LTGN	3549418C1
29**	H104AE	18	DKBL	3549418C1
30	H97L	18	VT	3549418C1
30%	HH75TL	18	LTGN	3549418C1
30**	H104AJ	18	DKBL	3549418C1
31	H62A	18	DKBL	3549418C1
32	H63E	18	DKBL	3549418C1
33	H63F	18	DKBL	3549418C1
34	PLUG	-	-	3508928C1
35	H5S(+)	18	YL	3549418C1
36	H5S(-)	18	GN	3549418C1
37	H63C	18	DKBL	3549418C1
38	H14HHB	18	RD	3549418C1
38%	H75TM	18	LTGN	3549418C1
38**	H13FL	16	PK	3549418C1
39	H97T	18	VT	3549418C1
39%	H75TN	18	LTGN	3549418C1
39**	H13F	18	DKBL	3549418C1
40	H13HB	18	PK	3549418C1
40**	H104AD	18	DKBL	3549418C1
41**	H9RC	18	GY	3549418C1
42	H14VB	10	RD	3549415C1

* W/ IDLE MANAGEMENT
\# N/ ICON
% N/ IDLE HEAT - CAB
** W/ REMOTE START / STOP
& W/ PROSTAR
W/ LONESTAR

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
CNA1	14JAN09	ADDED LONESTAR EFFECT	C	61254R	U00K640	CIRCUIT DIAGRAM, PROSTAR, LONESTAR
					RELEASE NO. 59637L	DATE 07SEP06 / PART NO. AE08055906 / SHEET 067

Figure 310 Connector Composites (5000)

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14.82. CONNECTOR COMPOSITES (5001), P. 68

INTERNATIONAL TRUCK AND ENGINE CORPORATION

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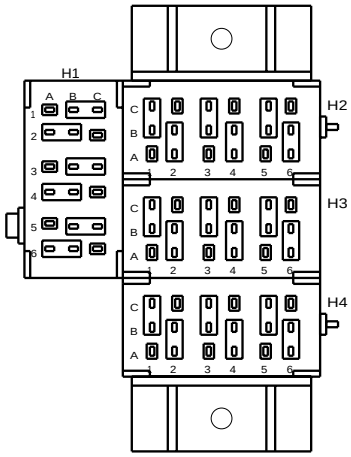
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 14

CONNECTOR BODY COMPOSITE - MATING VIEW SHOWN

SLEEPER FUSE CENTER
(5001)
(LOCATED REAR FACE OF THE LEFT
FRONT BUNK COVER PLATE)



CONNECTOR 3600905C1

* W/ WARDROBE LIGHT
\# W/ UPPER BUNK LIGHT
@ W/ IDLE MANAGEMENT
% W/ REMOTE START / STOP
** CRIMPED TOGETHER
& W/ NO IDLE HVAC
&& W/ NO IDLE HEAT ONLY
W/ LONESTAR
^ MUTUALLY EXCLUSIVE

CAV	CIR	GAUGE	COLOR	TERMINAL
H1-A1	-	-	-	-
H1-A2	H63SA	16	DKBL	3584674C1
H1-A3	-	-	-	-
H1-A4	H86AG	18	LTGN	3577500C1
H1-A5	-	-	-	-
H1-A6	H75AL	16	LTGN	3584674C1
H1-B1	H14VAA	16	RD	3584674C1
H1-B2	H14VAC	16	RD	3584674C1
H1-B3	H14VAD	18	RD	3577500C1
H1-B4	H14CC	18	RD	3577500C1
H1-B5	H14CD	18	RD	3577500C1
H1-B6	H75AM	18	LTGN	3577500C1
H1-C1	H14VAB	16	RD	3584674C1
H1-C2	-	-	-	-
H1-C3	H86SBB	16	LTGN	3584674C1
H1-C3##^	H86SBB	18	LTGN	3662131C1
H1-C3##^	H86SBM	18	LTGN	3662131C1
H1-C4	-	-	-	-
H1-C5*	H63K	18	DKBL	3577500C1
H1-C5#	H63U	18	DKBL	3577500C1
H1-C5	H63KU	18	DKBL	3577500C1
H1-C6	-	-	-	-
H2-A1	-	-	-	-
H2-A2	H75BV	16	LTGN	3584674C1
H2-A3	-	-	-	-
H2-A4	H76	18	BK	3577500C1
H2-A5	-	-	-	-
H2-A6##	H86M	16	LTGN	3584674C1
H2-B1	H14VBA	14	RD	3584674C1
H2-B2	H14VBB	16	RD	3584674C1
H2-B3	H14VBC	16	RD	3584674C1
H2-B4	H14VBD	12	RD	3584673C1
H2-B5	H75AN	18	LTGN	3577500C1
H2-B6##	H14VBE	14	RD	3584674C1
H2-C1	H86SB	14	LTGN	3584674C1
H2-C2	-	-	-	-
H2-C3	H86AP	16	LTGN	3584674C1
H2-C4	-	-	-	-
H2-C5&&	H75AP	18	LTGN	3577500C1
H2-C5&	H75NA	14	LTGN	3584674C1
H2-C5##	H77NN	14	LTGN	3587674C1
H2-C6	-	-	-	-
H3-A1	H12B	18	VT	3577500C1
H3-A1@	H97TA	18	VT	3577500C1
H3-A2	H75V	16	LTGN	3577500C1
H3-A3	H63C	18	DKBL	3577500C1
H3-A4	H63D	18	DKBL	3577500C1
H3-A5	H63-GSA	18	WH	3577500C1
H3-A6	H63SF	18	DKBL	3577500C1
H3-B1	-	-	-	-
H3-B2	-	-	-	-
H3-B3	-	-	-	-
H3-B4	-	-	-	-
H3-B5	-	-	-	-

CHK	DATE	CHANGE	REV	REFERENCE
CNA1	14JAN09	ADDED LONESTAR EFFECT	D	61254R

DRAWN U00K640
NAME CIRCUIT DIAGRAM, PROSTAR, LONESTAR
RELEASE NO. 59637L
DATE 07SEP06
PART NO. AE08055906
SHEET 068

Figure 311 Connector Composites (5001)

https://truckmanualshub.com/

14.83. CONNECTOR COMPOSITES (5001), P. 68A

INTERNATIONAL TRUCK AND ENGINE CORPORATION

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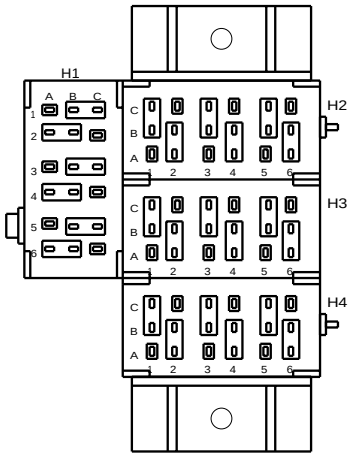
INTEREST OF INTERNATIONAL TRUCK AND ENGINE CORPORATION.

ELECTRICAL CIRCUIT DIAGRAM CHAPTER 14

CONNECTOR BODY COMPOSITE - MATING VIEW SHOWN

SLEEPER FUSE CENTER
(5001)
(LOCATED REAR FACE OF THE LEFT
FRONT BUNK COVER PLATE)



CONNECTOR 3600905C1

H3-B6	H63SCA	18	DKBL	3577500C1
H3-C1	H75BV	16	LTGN	3584674C1
H3-C2	H11-GS	18	WH	3577500C1
H3-C3	H63DV	18	DKBL	3577500C1
H3-C4	H63-GD	18	WH	3577500C1
H3-C5	H63SJ	18	DKBL	3577500C1
H3-C6	H63SH	18	DKBL	3577500C1
H4-A1	-	-	-	-
H4-A2	-	-	-	-
H4-A3%**	H104ADA	18	DKBL	3662131C1
	H104DA	18	DKBL	
H4-A3&	H77NK	18	LTGN	3577500C1
H4-A3##	H77WR	18	LTGN	3577500C1
H4-A4##	H77NL	16	LTGN	3584674C1
H4-A5	H97Z	18	VT	3577500C1
H4-A5%**	H104ABB	18	DKBL	3662131C1
	H104AE	18	DKBL	
H4-A6%	H104AHA	18	DKBL	3662131C1
H4-A6##	H104AH	18	DKBL	3662131C1
H4-A6##	H97TA	18	VT	3577500C1
H4-B1	H70NM	18	LTGN	3577500C1
H4-B2	-	-	-	-
H4-B3	-	-	-	-
H4-B4%	H13FL	18	PK	3577500C1
H4-B5	-	-	-	-
H4-B6	H97TA	18	VT	3577500C1
H4-C1##	H75AP	18	LTGN	3577500C1
H4-C2	-	-	-	-
H4-C3##	13F	18	DKBL	3577500C1
H4-C3	H77NP	16	LTGN	3584674C1
H4-C4	H77NJ	18	LTGN	3577500C1
H4-C4##	104AA	18	DKBL	3577500C1
H4-C5	H12B	18	LTBL	3577500C1
H4-C5%	H104AJ	18	DKBL	3577500C1
H4-C6	H11-GEA	18	WH	3577500C1
H4-C6%**	H104AB	18	DKBL	3662131C1
	H104ABA	18	DKBL	

* W/ WARDROBE LIGHT
\# W/ UPPER BUNK LIGHT
@ W/ IDLE MANAGEMENT
% W/ REMOTE START / STOP
** CRIMPED TOGETHER
& W/ NO IDLE HVAC
&& W/ NO IDLE HEAT ONLY
W/ LONESTAR

CONTINUED FROM SHEET NO. 68

CHK	DATE	CHANGE	REV	REFERENCE
CNA1	14JAN09	INITIAL RELEASE	A	61254R

DRAWN 300749 | NAME CIRCUIT DIAGRAM, PROSTAR, LONESTAR
RELEASE NO. 61254R | DATE 04SEP08 | PART NO. AE08055906 | SHEET 68A

Figure 312 Connector Composites (5001)

https://truckmanualshub.com/

14.84. CONNECTOR COMPOSITES (5003), (5005), (5006), (5007), P. 69

INTERNATIONAL TRUCK AND ENGINE CORPORATION

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ELECTRICAL CIRCUIT DIAGRAM CHAPTER 14

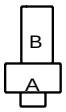
CONNECTOR BODY COMPOSITE - MATING VIEW SHOWN

12V POWER SOURCE
(5003)
(LOCATED IN SLEEPER CONTROL PANEL)

CONNECTOR 3613000C1
BODY LOCK 3557682C1

CAV	CIR	GAUGE	COLOR	TERMINAL
A	H86SBA	16	LTBL	3534165C1
B	-	-	-	-
C	H86-GSA	16	WH	3534165C1

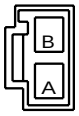
12V POWER SOURCE
(5005)
(LOCATED UNDER BUNK - RIGHT SIDE)



CONNECTOR 0872291R1

CAV	CIR	GAUGE	COLOR	TERMINAL
A	H86-GSC	16	WH	0188396R1
B	H86SA	16	LTGN	0188396R1

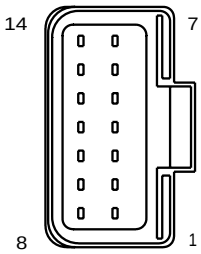
POWER PANEL GROUND
(5006)
(LOCATED UNDER BUNK)



CONNECTOR 1661197C1

CAV	CIR	GAUGE	COLOR	TERMINAL
A	-	-	-	-
B	HA11-GSP	14	WH	3534167C1

GROUND ADAPTER
(5007)
(LOCATED REAR FACE OF FRONT LEFT BUNK PANEL)



CONNECTOR 3613769C1

CAV	CIR	GAUGE	COLOR	TERMINAL
1	H11-GM	10	WH	3613770C1
1^	H11-GM	10	WH	3612307C1
2	H58-G	16	WH	3613771C1
2^	H58-G	16	WH	3613770C1
3	H86-GH	16	LTGN	3613770C1
3^	H86-GH	16	LTGN	3613770C1
4	H65-GE	16	WH	3613771C1
4^	H65-GE	16	WH	3613770C1
5	H86-GHW	18	LTGN	3613771C1
6	H86-GK	18	WH	3613771C1
7	H11-GSP	14	WH	3613770C1
8	H63-GK	18	WH	3613771C1
8&&	H63-GU	18	WH	3613771C1
8&	H63-GX	18	WH	3613771C1
9	H75-GB	18	WH	3613771C1
9#	H75-GB	18	LTGN	3613771C1
9%	H77NT	14	LTGN	3613770C1
10	H11-GT	14	WH	3613770C1
10^	H63-GU	18	WH	3613771C1
11*	H11-GSD	18	WH	3613771C1
11+	H11-GMB	18	WH	3613771C1
11++	H11-GMC	18	WH	3613771C1
11@	H11-GMB	18	WH	3613771C1
11**	H11-GMD	18	WH	3613771C1
12	H76-G	18	WH	3613771C1
12^	H86-GSB	16	WH	3613770C1
13	H75-GSX	14	WH	3613770C1
13##	H104-GB	18	DKBL	3613771C1
13@@	H11-GEC	18	WH	3613771C1
14	H86-GSB	16	WH	3613770C1
14^	H86-GSM	16	WH	3613770C1

* W/ TRIP MASTER
\+ W/ QUALCOMM W/ TMCT
++ W/ QUALCOMM W/ IMCT
@ W/ SATELLITE COMMUNICATION
** W/ XATA
# W/ COOLANT HEATER
W/ REMOTE START / STOP
& W/ WARDROBE & UPPER BUNK LIGHTS-W/72"CAB
&& W/ UPPER BUNK LIGHT-W/72"CAB
@@ W/ IDLE MANAGEMENT-W/51" CAB
% W/ NO IDLE HVAC
^ W/ LONESTAR

CHK	DATE	CHANGE	REV	REFERENCE
CNA1	14JAN09	ADDED LONESTAR EFFECT	D	61254R

DRAWN U00K640
CIRCUIT DIAGRAM, PROSTAR, LONESTAR
RELEASE NO. 59637L
DATE 07SEP06
PART NO. AE08055906
SHEET 069

Figure 313 Connector Composites (5003), (5005), (5006), (5007)

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14.85. CONNECTOR COMPOSITES (5007), P. 69A

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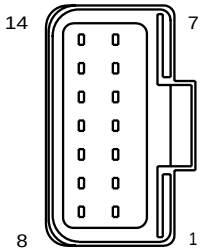
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 14

CONNECTOR BODY COMPOSITE - MATING VIEW SHOWN

GROUND ADAPTER
(5007)
(LOCATED REAR FACE OF FRONT LEFT BUNK PANEL)



CONNECTOR 3613769C1

CAV	CIR	GAUGE	COLOR	TERMINAL	CIRCUIT DESCRIPTION
1	H11-GM	10	WH	3612307C1	
2	H58-G	16	WH	3613770C1	
3	H86-GH	16	LTGN	3613770C1	
4	H65-GE	16	WH	3613770C1	
5	H86-GHW	18	LTGN	3613771C1	
6	H86-GK	18	WH	3613771C1	
7	H11-GSP	14	WH	3613770C1	
8	H63-GK	18	WH	3613771C1	
8	H63-GU	18	WH	3613771C1	W/ PROSTAR
8	H63-GX	18	WH	3613771C1	W/ PROSTAR
9	H75-GB	18	WH	3613771C1	W/ LONESTAR
9	H75-GB	18	LTGN	3613771C1	W/ LONESTAR
9	H77NT	14	LTGN	3613770C1	W/ PROSTAR
9	H75WK	16	LTGN	3613770C1	W/ PROSTAR
10	H11-GT	14	WH	3613770C1	W/ PROSTAR
10	H63-GU	18	WH	3613771C1	W/ LONESTAR
11	H11-GMA	18	WH	3613771C1	W/ LONESTAR
11	H11-GMB	18	WH	3613771C1	W/ QUALCOMM
11	H11-GMD	18	WH	3613771C1	W/ PROSTAR
11	H11-GME	18	WH	3613771C1	W/ PROSTAR
11	H11-GSD	18	WH	3613771C1	
12	H76-G	18	WH	3613771C1	W/ PROSTAR
12	H86-GSB	16	WH	3613770C1	W/ LONESTAR
13	H75-GSX	14	WH	3613770C1	
13	H104-GB	18	DKBL	3613771C1	
13	H11-GEC	18	WH	3613771C1	W/ PROSTAR
14	H86-GSB	16	WH	3613770C1	W/ PROSTAR
14	H86-GSM	16	WH	3613770C1	W/ LONESTAR

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
DLV1	19NOV09	RVSD, RMVD 5009,5010,	C	63656A	U00K640	CIRCUIT DIAGRAM, PROSTAR, LONESTAR
		5011M AND 6011F.			RELEASE NO. 59637L	DATE 07SEP06

PART NO. AE08055906 SHEET 69A

Figure 314 Connector Composites (5007)

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14.86. CONNECTOR COMPOSITES (5009), (5010), (5011M/5011F), P. 69B

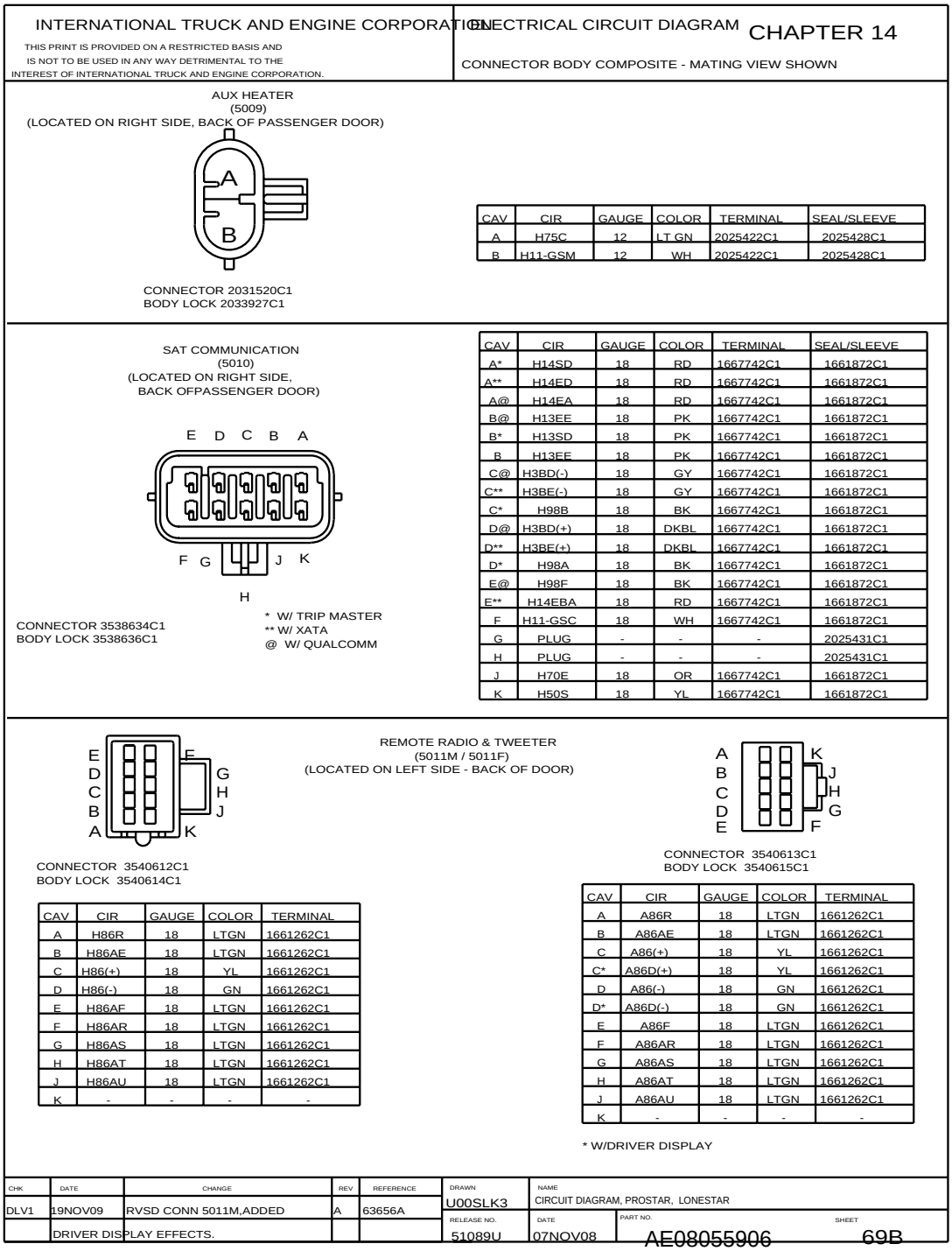

Figure 315 Connector Composites (5009), (5010), (5011M/5011F)

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14.87. CONNECTOR COMPOSITES (5012), (5013), (5014), (5015), (5020), (5031), P. 70

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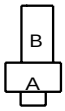
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 14

CONNECTOR BODY COMPOSITE - MATING VIEW SHOWN

LONG SLEEPER SKY / RISE 12V POWER SOURCE
(5012)
(LOCATED IN RIGHT SIDE OF SLEEPER)

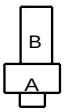


CONNECTOR 0872291R1
BODY LOCK 3557682C1

CAV	CIR	GAUGE	COLOR	TERMINAL
A	H86-GSB	16	WH	0188396R1
A*	H63-SCA	18	DKBL	0573092C1
B	H86SBB	16	LTGN	0188396R1

* W/ LONESTAR

LONG SLEEPER SKY / RISE 12V POWER SOURCE
(5013)
(LOCATED IN RIGHT SIDE OF SLEEPER)



CONNECTOR 0872291R1
BODY LOCK 3557682C1

CAV	CIR	GAUGE	COLOR	TERMINAL
A	H86-GSB	16	WH	0188396R1
A*	H86-GSM	16	WH	0188396R1
B	H86SBB	16	LTGN	0188396R1
B*	H86-SBM	18	LTGN	0879630R1

* W/ LONESTAR

PASS UPPER CABINET
(5014)
(LOCATED IN RIGHT SIDE OF SLEEPER)
(W/ LONESTAR)

CONNECTOR 3825188C1

CAV	CIR	GAUGE	COLOR	TERMINAL
1	H63UB	18	DKBL	3825382C1
2	H63-GUB	18	WH	3825382C1
3	H86-BBA	18	LTGN	3825382C1
4	H86-BBB	18	LTGN	3825382C1

UNDER BUNK LIGHT LEFT
(5015)
(LOCATED IN LEFT SIDE OF SLEEPER)
(W/ LONESTAR)

CONNECTOR 1669973C1

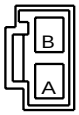
CAV	CIR	GAUGE	COLOR	TERMINAL
A	H63-SJA	18	DKBL	1661212C1
B	H63-GSB	18	WH	1661212C1

SKY RISE UPPER BUNK POWER SOURCE
(5015)
(W/ PROSTAR)

CONNECTOR 3613000C1

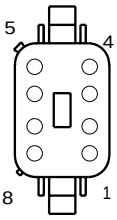
CAV	CIR	GAUGE	COLOR	TERMINAL
A	H86M	16	LT GN	3534165C1
B	-	-	-	-
C	H86-GJJ	16	WH	3534165C1

UNDER BUNK LIGHT RIGHT
(5020)
(LOCATED IN RIGHT SIDE OF SLEEPER)
(W/ LONESTAR)



CONNECTOR 1669973C1

CAV	CIR	GAUGE	COLOR	TERMINAL
A	H63-SJB	18	DKBL	1661212C1
B	H63-GSB	18	WH	1661212C1



CONNECTOR 3674957C1
BODY LOCK 3534766C1

APU/PDC
(5031)
(LOCATED UNDER BUNK)

CAV	CIR	GAUGE	COLOR	TERMINAL
1	H77NA	18	LTGN	1680205C1
2	H77NB	18	LTGN	1680205C1
3	PLUG	-	-	0453133C1
4	H5MB(-)	18	GN	1680205C1
5	H5MB(+)	18	YL	1680205C1
6	PLUG	-	-	0453133C1
7	PLUG	-	-	0453133C1
8	PLUG	-	-	0453133C1

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
CNA1	14JAN09	ADDED LONESTAR EFFECT	D	61254R	U00K640	CIRCUIT DIAGRAM, PROSTAR, LONESTAR
					RELEASE NO. 59637L	DATE 07SEP06

PART NO. AE08055906 SHEET 070

Figure 316 Connector Composites (5012), (5013), (5014), (5015), (5020), (5031)

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14.88. CONNECTOR COMPOSITES (5033), (5034), (5035/5035A), (5100), (5101), P. 70A

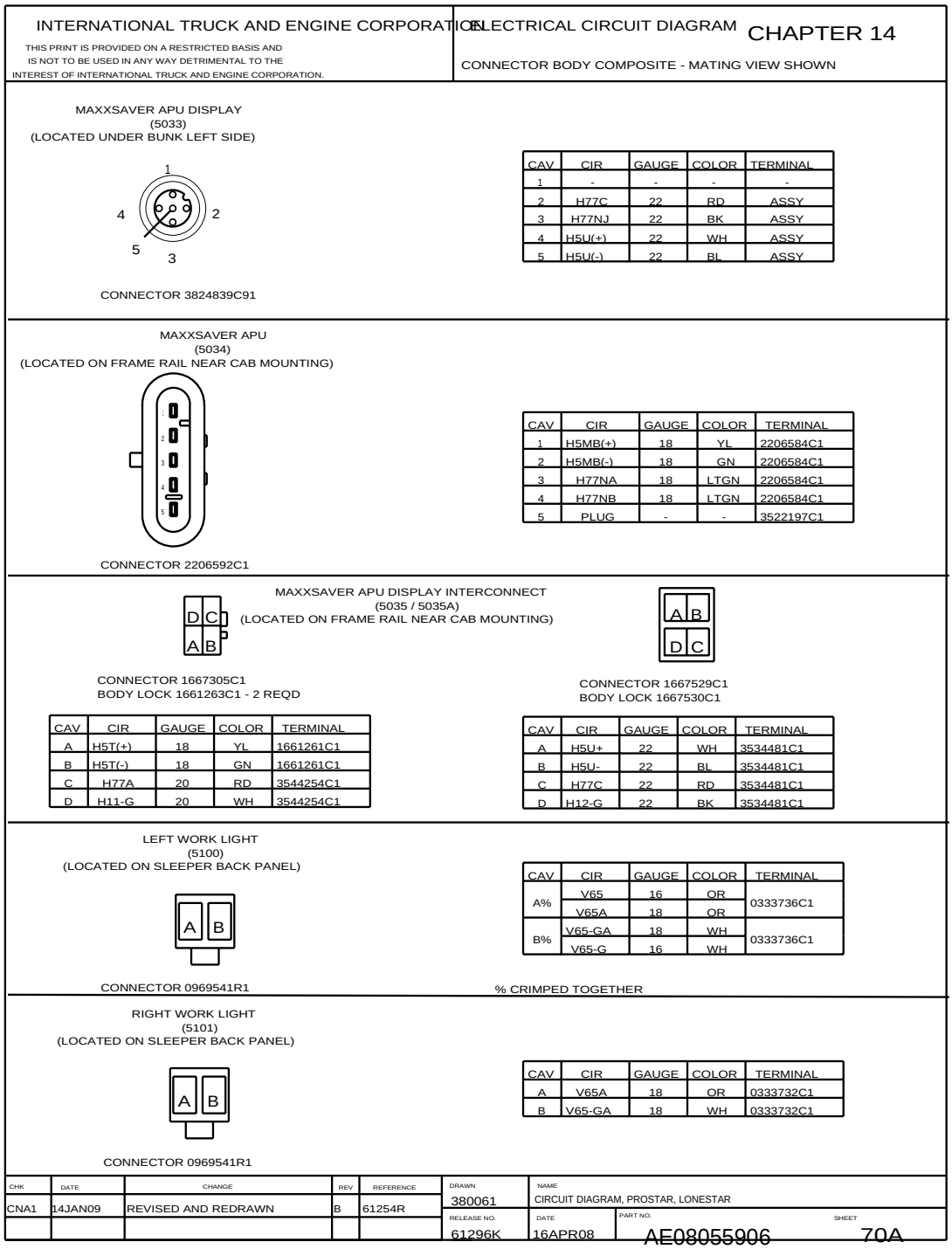

Figure 317 Connector Composites (5033), (5034), (5035/5035A), (5100), (5101)

https://truckmanualshub.com/

14.89. CONNECTOR COMPOSITES (5102), (5103), (5104), (5105), P. 71

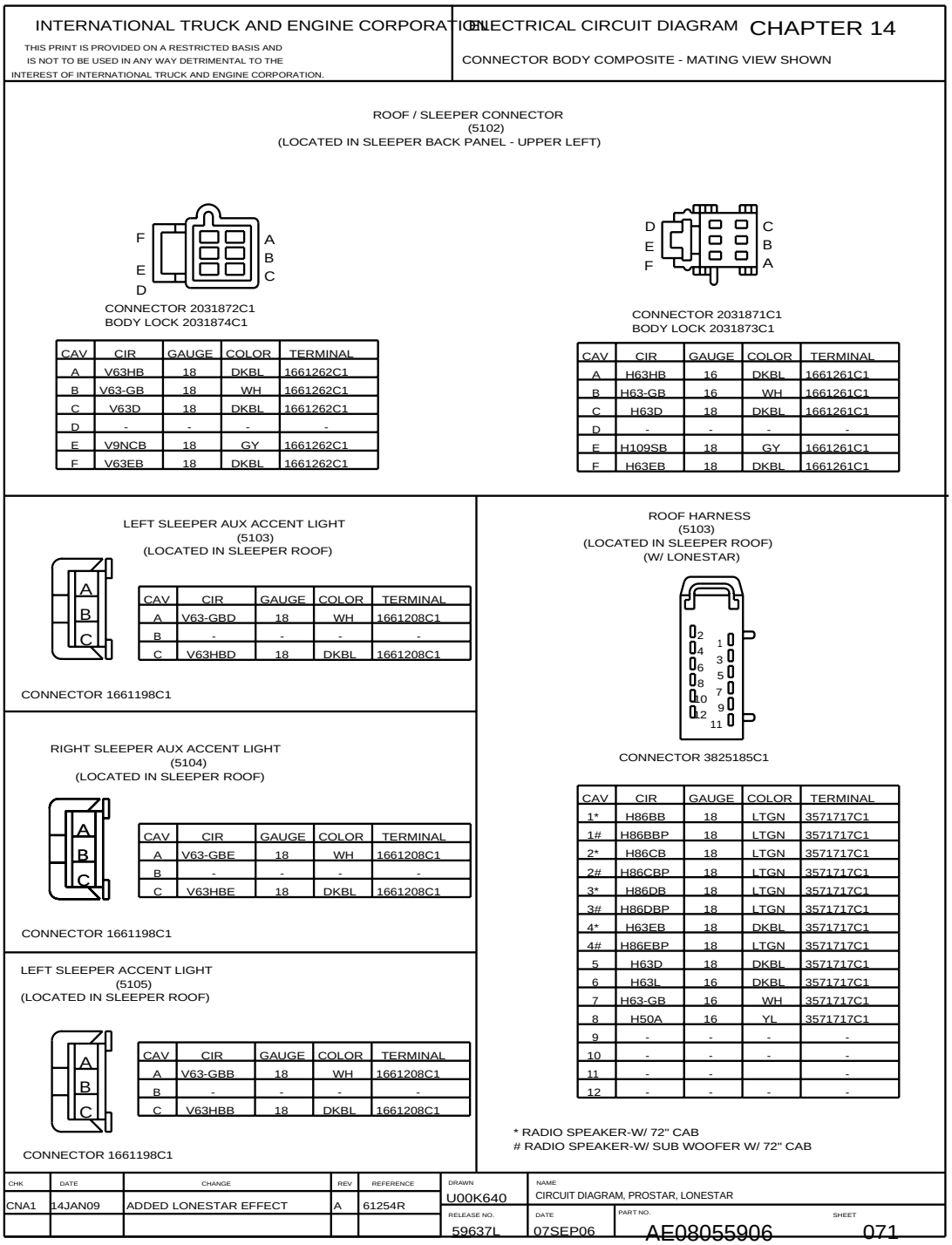

Figure 318 Connector Composites (5102), (5103), (5104), (5105)

https://truckmanualshub.com/

14.90. CONNECTOR COMPOSITES (5106), (5107), (5109), (5110), (5111), P. 72

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ELECTRICAL CIRCUIT DIAGRAM CHAPTER 14

CONNECTOR BODY COMPOSITE - MATING VIEW SHOWN

RIGHT SLEEPER ACCENT LIGHT
(5106)
(LOCATED IN SLEEPER ROOF)
(W/ PROSTAR)

CONNECTOR 1661198C1

CAV	CIR	GAUGE	COLOR	TERMINAL
A	V63-GBC	18	WH	1661208C1
B	-	-	-	-
C	V63HBC	18	DKBL	1661208C1

SLEEPER DOME LIGHT
(5107)
(LOCATED IN SLEEPER ROOF)
(W/ PROSTAR)

CONNECTOR 1667305C1
BODY LOCK 1661263C1

CAV	CIR	GAUGE	COLOR	TERMINAL
A	V63D	18	DKBL	1661261C1
B	V63-GA	18	WH	1661261C1
C	V63EB	18	DKBL	1661261C1
D	V9NCB	18	GY	1661261C1

WARDROBE CABINATE
(5109)
(LOCATED ON LEFT SIDE BY WARDROBE CABINET)

CONNECTOR 1661259C1
BODY LOCK 1661263C1

CAV	CIR	GAUGE	COLOR	TERMINAL
A	H63K	18	DKBL	1661261C1
B	H63-GK	18	WH	1661261C1

LEFT LUGGAGE LIGHT
(5110)
(LOCATED UNDER BUNK - LEFT SIDE)

CONNECTOR 1669973C1

CAV	CIR	GAUGE	COLOR	TERMINAL
A	H63SJA	18	DKBL	1661212C1
B	H63-GSB	18	WH	1661212C1

RIGHT LUGGAGE LIGHT
(5111)
(LOCATED UNDER BUNK - RIGHT SIDE)

CONNECTOR 1669973C1

CAV	CIR	GAUGE	COLOR	TERMINAL
A	H63SJB	18	DKBL	1661212C1
B	H63-GSC	18	WH	1661212C1

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
CNA1	14JAN09	ADDED LONESTAR EFFECT	A	61254R	U00K640	CIRCUIT DIAGRAM, PROSTAR, LONESTAR
					RELEASE NO. 59637L	DATE 07SEP06

PART NO. AE08055906 SHEET 072

Figure 319 Connector Composites (5106), (5107), (5109), (5110), (5111)

https://truckmanualshub.com/

14.91. CONNECTOR COMPOSITES (5117), (5118), (5119), P. 73

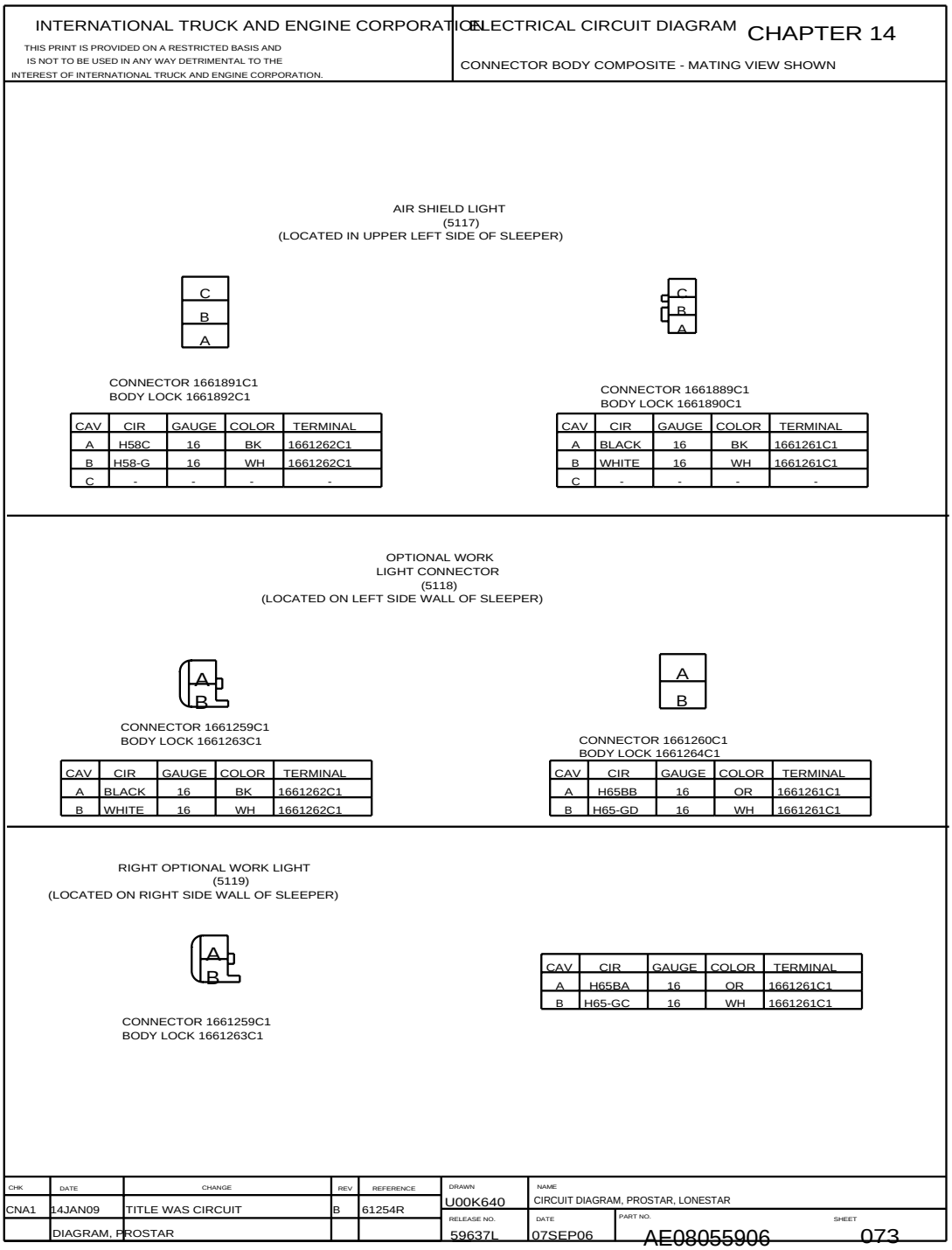


Figure 320 Connector Composites (5117), (5118), (5119)

https://truckmanualshub.com/

14.92. CONNECTOR COMPOSITES (5123), (5124), (5125), P. 74

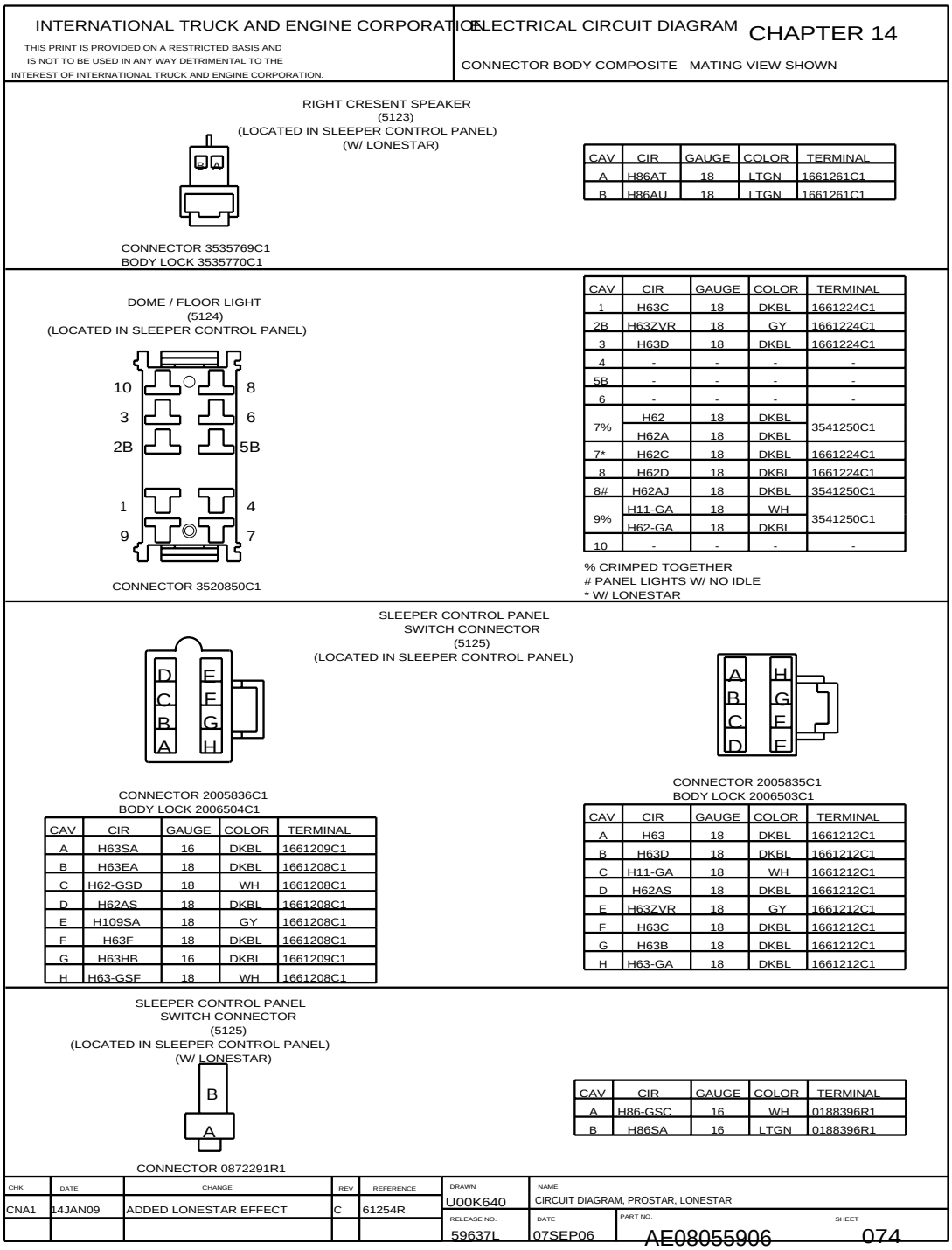
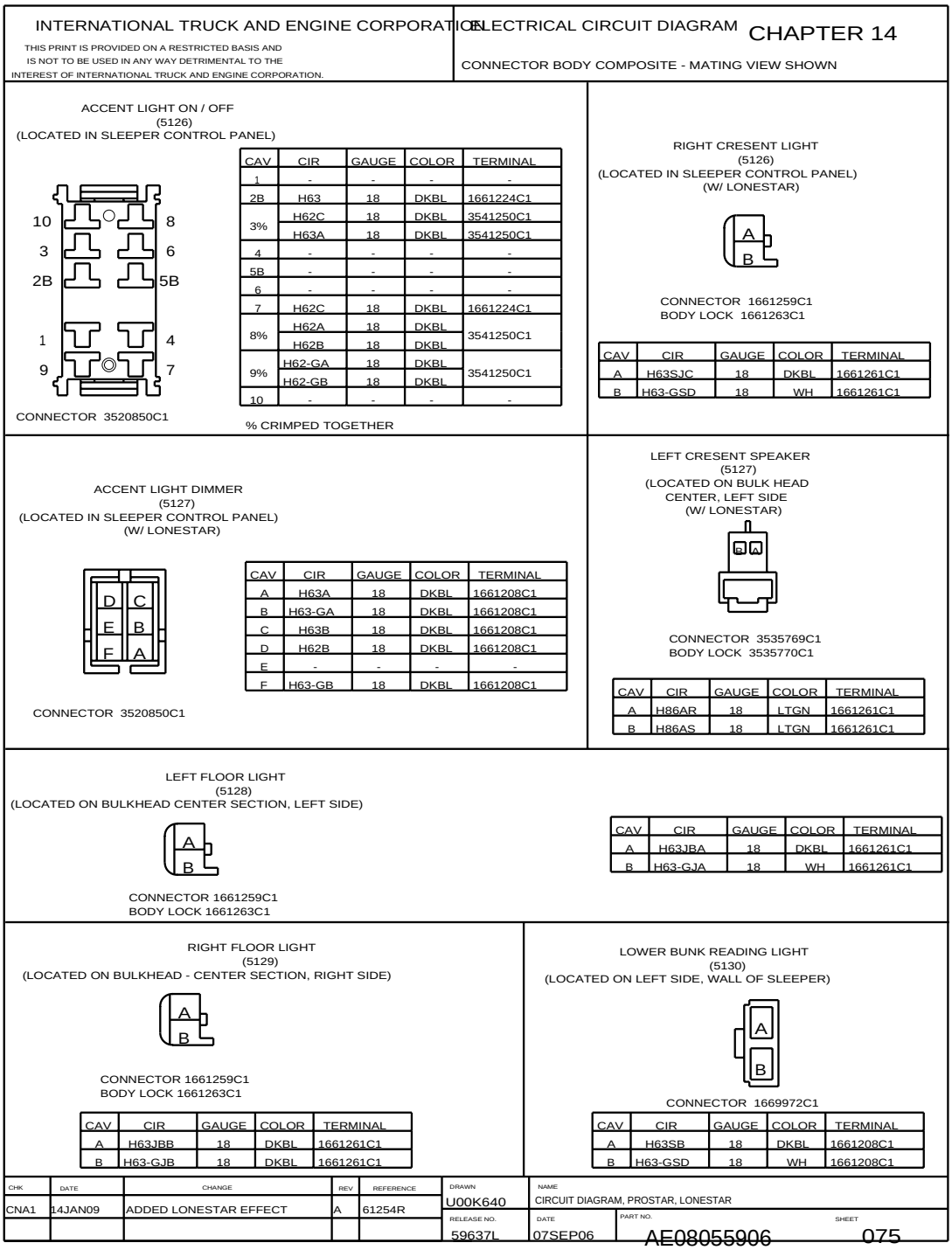


Figure 321 Connector Composites (5123), (5124), (5125)

https://truckmanualshub.com/

14.93. CONNECTOR COMPOSITES (5126), (5127), (5128), (5129), (5130), P. 75



CAV	CIR	GAUGE	COLOR	TERMINAL
1	-	-	-	-
2B	H63	18	DKBL	1661224C1
3%	H62C	18	DKBL	3541250C1
	H63A	18	DKBL	3541250C1
4	-	-	-	-
5B	-	-	-	-
6	-	-	-	-
7	H62C	18	DKBL	1661224C1
8%	H62A	18	DKBL	3541250C1
	H62B	18	DKBL	
9%	H62-GA	18	DKBL	3541250C1
	H62-GB	18	DKBL	
10	-	-	-	-

CAV	CIR	GAUGE	COLOR	TERMINAL
A	H63SJC	18	DKBL	1661261C1
B	H63-GSD	18	WH	1661261C1

CAV	CIR	GAUGE	COLOR	TERMINAL
A	H63A	18	DKBL	1661208C1
B	H63-GA	18	DKBL	1661208C1
C	H63B	18	DKBL	1661208C1
D	H62B	18	DKBL	1661208C1
E	-	-	-	-
F	H63-GB	18	DKBL	1661208C1

CAV	CIR	GAUGE	COLOR	TERMINAL
A	H86AR	18	LTGN	1661261C1
B	H86AS	18	LTGN	1661261C1

CAV	CIR	GAUGE	COLOR	TERMINAL
A	H63JBA	18	DKBL	1661261C1
B	H63-GJA	18	WH	1661261C1

CAV	CIR	GAUGE	COLOR	TERMINAL
A	H63JBB	18	DKBL	1661261C1
B	H63-GJB	18	DKBL	1661261C1

CAV	CIR	GAUGE	COLOR	TERMINAL
A	H63SB	18	DKBL	1661208C1
B	H63-GSD	18	WH	1661208C1

Figure 322 Connector Composites (5126), (5127), (5128), (5129), (5130)

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14.94. CONNECTOR COMPOSITES (5130), (5134), P. 75A

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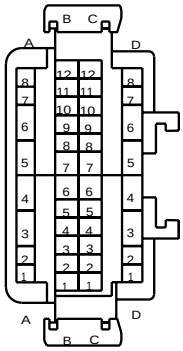
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 14

CONNECTOR BODY COMPOSITE - MATING VIEW SHOWN

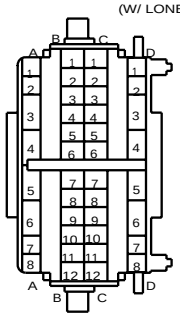
SLEEPER CONTROLER PANEL
(5130)
(W/ LONESTAR)



CONNECTOR 3612512C1
BODY LOCK 3553652C1
3553654C1

CAV	CIR	GAUGE	COLOR	TERMINAL
A1	H63SA	18	DKBL	3544886C1
A2	H63E	18	DKBL	3544886C1
A3	H62-GSD	18	WH	3544880C1
A4	H62AS	18	DKBL	3544880C1
A5	H62ZVR	18	GY	3544880C1
A6	H63F	18	DKBL	3544880C1
A7	H50A	16	YL	3544886C1
A8	H63-GSF	18	WH	3544886C1
B1	-	-	-	-
B2	-	-	-	-
B3	-	-	-	-
B4	-	-	-	-
B5	H86SBA	16	LTGN	3544886C1
B6	H86-GSA	16	WH	3544886C1
B7	H75F	18	LTGN	3544886C1
B8	H75-GA	18	WH	3544886C1
B9	H75R	18	LTGN	3544886C1
B10	H75H	18	LTGN	3544886C1
B11	H75J	18	LTGN	3544886C1
B12	H75K	18	LTGN	3544886C1
C1	H9RC	18	GY	3544886C1
C2	H104AC	18	DKBL	3544886C1
C3	H104ADA	18	DKBL	3544886C1
C4	H104ABB	18	DKBL	3544886C1
C5	H104GB	18	DKBL	3544886C1
C6	-	-	-	-
C7	H75L	18	LTGN	3544886C1
C8	H75M	18	LTGN	3544886C1
C9	H75N	18	LTGN	3544886C1
C10	-	-	-	-
C11	-	-	-	-
C12	-	-	-	-
D1	H86F	18	LTGN	3544886C1
D2	H86R	18	LTGN	3544886C1
D3	H86-GHW	18	LTGN	3544880C1
D4	-	-	-	-
D5	-	-	-	-
D6	H86(-)	18	GN	3544880C1
D7	H86(+)	18	YL	3544886C1
D8	H86AE	18	LTGN	3544886C1

SCP INTERCONNECT
(5134)
(LOCATED IN SLEEPER CONTROL PANEL)
(W/ LONESTAR)



CONNECTOR 3553649C1
BODY LOCK 3553650C1

CAV	CIR	GAUGE	COLOR	TERMINAL
A1	H63	18	DKBL	3544884C1
A2	H63D	18	DKBL	3544884C1
A3	H11-GA	18	WH	3544876C1
A4	H62AS	18	DKBL	3544876C1
A5	H63ZVR	18	GY	3544876C1
A6	H63C	18	DKBL	3544876C1
A7	H63B	18	DKBL	3544884C1
A8	H63-GA	18	DKBL	3544884C1
B1	H75AG	18	LTGN	3544884C1
B2	H75AF	18	LTGN	3544884C1
B3	H75AR	18	LTGN	3544884C1
B4	H75-GAS	18	LTGN	3544884C1
B5	H86SBA	16	LTGN	3544884C1
B6	H86-GSA	16	WH	3544884C1
B7	H75F	18	LTGN	3544884C1
B8	H75-GA	18	WH	3544884C1
B9	H75R	18	LTGN	3544884C1
B10	H75H	18	LTGN	3544884C1
B11	H75J	18	LTGN	3544884C1
B12	H75K	18	LTGN	3544884C1
C1	H9RC	18	GY	3544884C1
C2	H104AC	18	DKBL	3544884C1
C3	H104ADA	18	DKBL	3544884C1
C4	H104ABB	18	DKBL	3544884C1
C5	H104-GB	18	DKBL	3544884C1
C6	-	-	-	-
C7	H75L	18	LTGN	3544884C1
C8	H75M	18	LTGN	3544884C1
C9	H75N	18	LTGN	3544884C1
C10	H77NH	18	LTGN	3544884C1
C11	H77NA	18	LTGN	3544884C1
C12	H77NC	18	LTGN	3544884C1
D1	H86F	18	LTGN	3544884C1
D2	H86R	18	LTGN	3544884C1
D3	H86-GHW	18	LTGN	3544884C1
D4	H77NE	18	LTGN	3544876C1
D5	H77NF	18	LTGN	3544876C1
D6	H86(-)	18	GN	3544876C1
D7	H86(+)	18	YL	3544884C1
D8	H86AE	18	LTGN	3544884C1

CHK	DATE	CHANGE	REV	REFERENCE
CNA1	14JAN09	INITIAL RELEASE	A	61254R

DRAWN 300749 | NAME CIRCUIT DIAGRAM, PROSTAR, LONESTAR
RELEASE NO. 61254R | DATE 10SEP08 | PART NO. AE08055906 | SHEET 75A

Figure 323 Connector Composites (5130), (5134)

https://truckmanualshub.com/

14.95. CONNECTOR COMPOSITES (5131), (5134), (5135), (5135M), (5136), (5200), (5201), P. 76

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ELECTRICAL CIRCUIT DIAGRAM CHAPTER 14

CONNECTOR BODY COMPOSITE - MATING VIEW SHOWN

UPPER BUNK READING LIGHT
(5131)
(LOCATED IN LEFT SIDE WALL OF SLEEPER)
(W/ PROSTAR)

CAV	CIR	GAUGE	COLOR	TERMINAL
A	H63U	18	DKBL	1661208C1
B	H63-GU	18	WH	1661208C1

CONNECTOR 1669972C1

SKY RISE CABINET LIGHT
(5134)
(LOCATED IN RIGHT SIDE OF SLEEPER)

CAV	CIR	GAUGE	COLOR	TERMINAL
A	H63-GK	18	WH	1661208C1
B&	H63K	18	DKBL	1661208C1
C	H63K	18	DKBL	1661208C1

CONNECTOR 1661198C1 & W/ LONESTAR

SKY RISE LOWER BUNK LIGHT
(5135M)
(LOCATED AT LOWER BUNK)

CAV	CIR	GAUGE	COLOR	TERMINAL
A	H63SB	18	DKBL	1661208C1
B	H63-GSD	18	WH	1661208C1

CONNECTOR 1661196C1

LOWER CABINET
(5135)
(LOCATED ON LEFT SIDE, WALL OF SLEEPER)
(W/ LONESTAR)

CAV	CIR	GAUGE	COLOR	TERMINAL
1	H63UA	18	DKBL	3825382C1
2	H63-GUA	18	WH	3825382C1
3	H86BBB	18	LTGN	3825382C1
4	H86CBA	18	LTGN	3825382C1

CONNECTOR 3825188C1

LOWER CABINET
(5136)
(LOCATED ON LEFT SIDE, WALL OF SLEEPER)
(W/ LONESTAR)

CAV	CIR	GAUGE	COLOR	TERMINAL
1	H63K	18	DKBL	3593251C1
2	H63-GK	18	WH	3593251C1

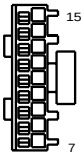
CONNECTOR 3825182C91

SKY RISE UPPER BUMK
READING LIGHT
(5136)
(LOCATED AT UPPER BUNK)
(W/ PROSTAR)

CAV	CIR	GAUGE	COLOR	TERMINAL
A	H63U	18	DKBL	1661208C1
B	H63-GU	18	WH	1661208C1

CONNECTOR 1669972C1

DIGITAL HVAC CONTROLS
(5200)
(LOCATED IN SLEEPER CONTROL PANEL)

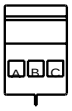


CONNECTOR 2029979C1
BODY LOCK 2038190C1

* W/ ELECTRONIC HEATER CONTROL
\# W/ COOLANT HEATER
** MUTUALLY EXCLUSIVE

CAV	CIR	GAUGE	COLOR	TERMINAL
7	H75F	18	LTGN	2029980C1
8**	H75-GA	18	WH	2029980C1
8**	H75-GA	18	LTGN	2029980C1
9#	H75R	18	LTGN	2029980C1
9*	H75AB	18	LTGN	2029980C1
10#	H75H	18	LTGN	2029980C1
10*	H75AA	18	LTGN	2029980C1
11	H75J	18	LTGN	2029980C1
12	H75K	18	LTGN	2029980C1
13	H75L	18	LTGN	2029980C1
14	H75M	18	LTGN	2029980C1
15	H75N	18	LTGN	2029980C1

BLOWER SPEED CONTROL
(5201)
(LOCATED IN SLEEPER CONTROL PANEL)



CONNECTOR 3536187C1
BODY LOCK 1661890C1

CAV	CIR	GAUGE	COLOR	TERMINAL
A	H77TVB	18	LTGN	1661261C1
B	H77TB	18	LTGN	1661261C1
C	H77TZB	18	LTGN	1661261C1

CHK	DATE	CHANGE	REV	REFERENCE
CNA1	14JAN09	ADDED LONESTAR EFFECT	D	61254R

DRAWN U00K640
NAME CIRCUIT DIAGRAM, PROSTAR, LONESTAR
RELEASE NO. 59637L
DATE 07SEP06
PART NO. AE08055906
SHEET 076

Figure 324 Connector Composites (5131), (5134), (5135), (5135M), (5136), (5200), (5201)

https://truckmanualshub.com/

14.96. CONNECTOR COMPOSITES (5202), (5210), (5212), (5213), P. 77

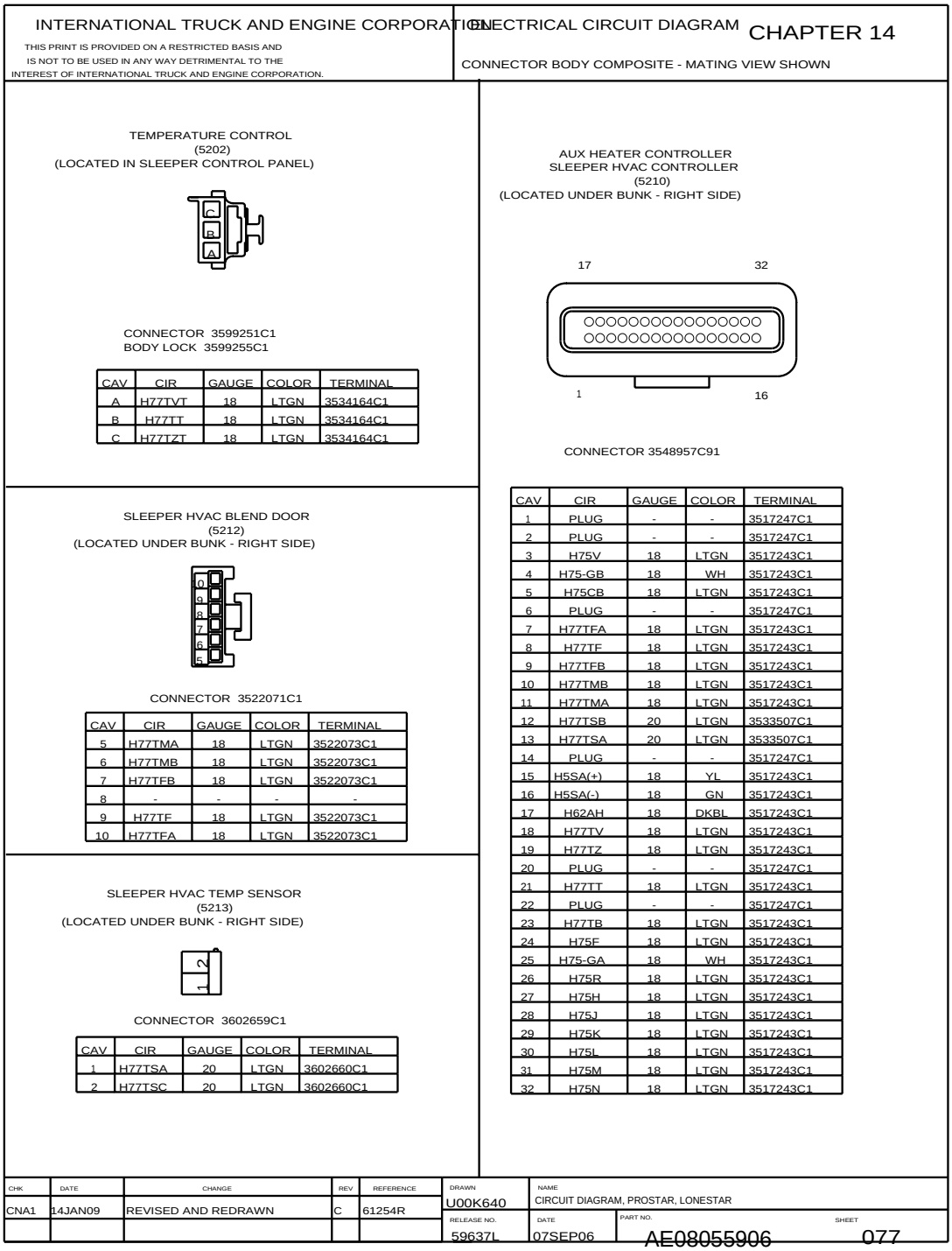


Figure 325 Connector Composites (5202), (5210), (5212), (5213)

https://truckmanualshub.com/

14.97. CONNECTOR COMPOSITES (5214), (5215), (5216), (5217), (5218), (5219), P. 78

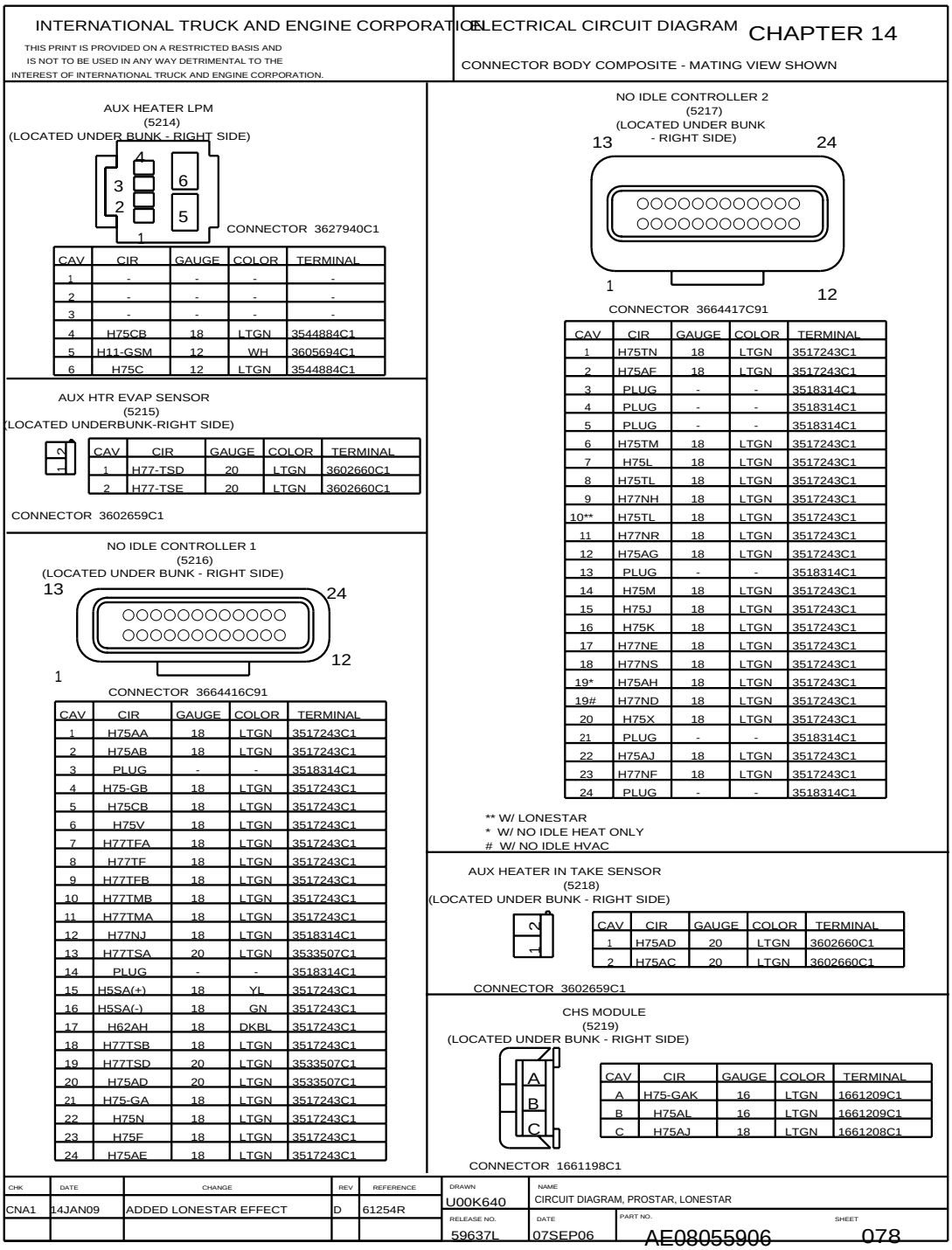
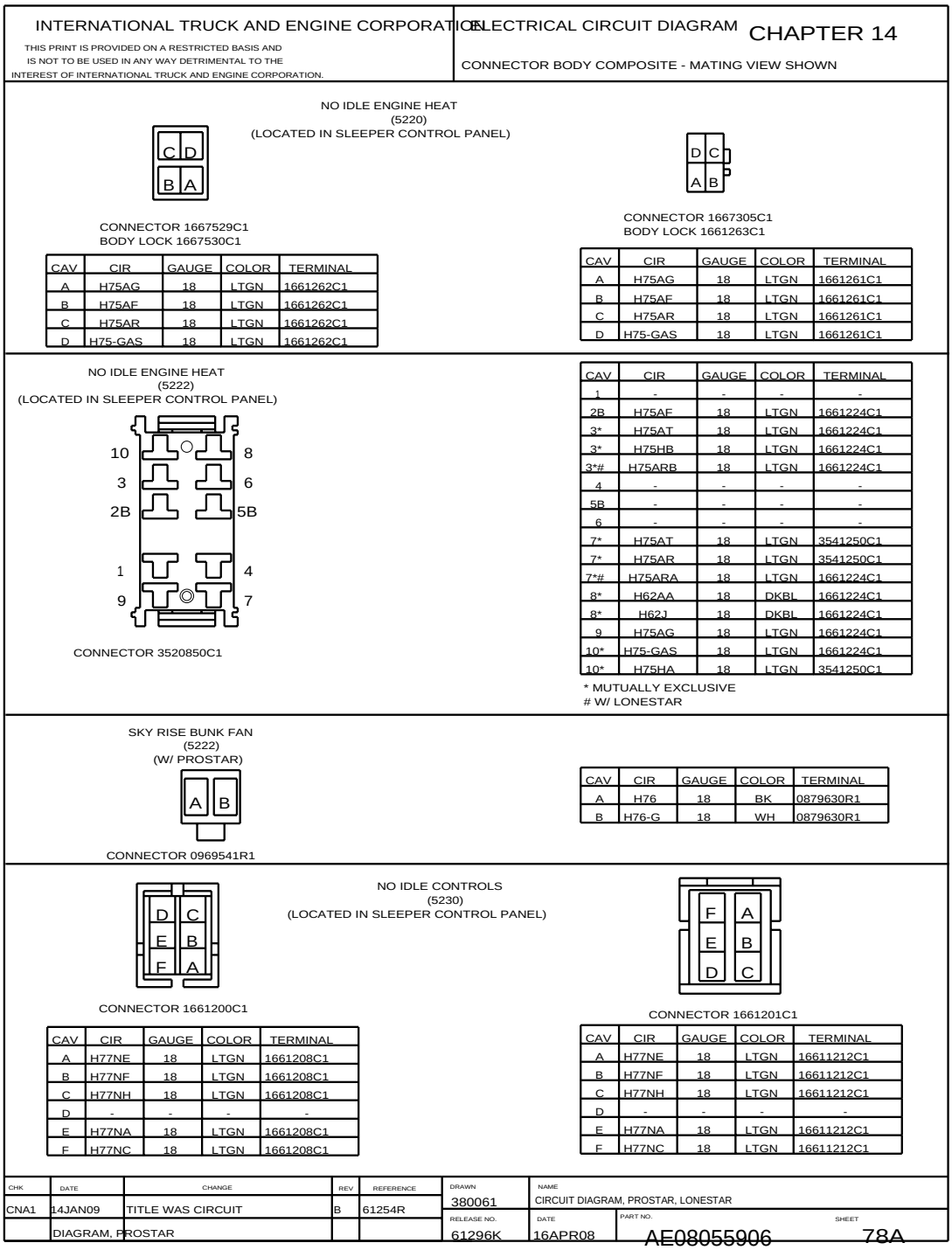


Figure 326 Connector Composites (5214), (5215), (5216), (5217), (5218), (5219)

https://truckmanualshub.com/

14.98. CONNECTOR COMPOSITES (5220), (5222), (5230), P. 78A



CAV	CIR	GAUGE	COLOR	TERMINAL
A	H75AG	18	LTGN	1661262C1
B	H75AF	18	LTGN	1661262C1
C	H75AR	18	LTGN	1661262C1
D	H75-GAS	18	LTGN	1661262C1

CAV	CIR	GAUGE	COLOR	TERMINAL
A	H75AG	18	LTGN	1661261C1
B	H75AF	18	LTGN	1661261C1
C	H75AR	18	LTGN	1661261C1
D	H75-GAS	18	LTGN	1661261C1

CAV	CIR	GAUGE	COLOR	TERMINAL
1	-	-	-	-
2B	H75AF	18	LTGN	1661224C1
3*	H75AT	18	LTGN	1661224C1
3*	H75HB	18	LTGN	1661224C1
3*#	H75ARB	18	LTGN	1661224C1
4	-	-	-	-
5B	-	-	-	-
6	-	-	-	-
7*	H75AT	18	LTGN	3541250C1
7*	H75AR	18	LTGN	3541250C1
7*#	H75ARA	18	LTGN	1661224C1
8*	H62AA	18	DKBL	1661224C1
8*	H62J	18	DKBL	1661224C1
9	H75AG	18	LTGN	1661224C1
10*	H75-GAS	18	LTGN	1661224C1
10*	H75HA	18	LTGN	3541250C1

CAV	CIR	GAUGE	COLOR	TERMINAL
A	H76	18	BK	0879630R1
B	H76-G	18	WH	0879630R1

CAV	CIR	GAUGE	COLOR	TERMINAL
A	H77NE	18	LTGN	1661208C1
B	H77NF	18	LTGN	1661208C1
C	H77NH	18	LTGN	1661208C1
D	-	-	-	-
E	H77NA	18	LTGN	1661208C1
F	H77NC	18	LTGN	1661208C1

CAV	CIR	GAUGE	COLOR	TERMINAL
A	H77NE	18	LTGN	16611212C1
B	H77NF	18	LTGN	16611212C1
C	H77NH	18	LTGN	16611212C1
D	-	-	-	-
E	H77NA	18	LTGN	16611212C1
F	H77NC	18	LTGN	16611212C1

Figure 327 Connector Composites (5220), (5222), (5230)

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14.99. CONNECTOR COMPOSITES (5232), (5233), (5234), P. 79

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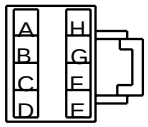
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 14

CONNECTOR BODY COMPOSITE - MATING VIEW SHOWN

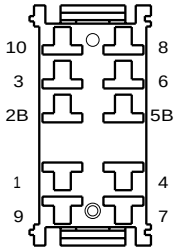
NO IDLE EXTERNAL MODULE
(5232)
(LOCATED UNDER BUNK-RIGHT SIDE)



CONNECTOR 2005835C1
BODY LOCK 2006503C1

CAV	CIR	GAUGE	COLOR	TERMINAL
A	H77NP	16	LTGN	1661209C1
B	-	-	-	-
C	H77NR	18	LTGN	1661208C1
D	H77NS	18	LTGN	1661208C1
E	H77NU	18	LTGN	1661208C1
F	-	-	-	-
G	-	-	-	-
H	H77NV	16	LTGN	1661209C1

NO IDLE COOL
(5233)
(LOCATED IN SLEEPER CONTROL PANEL)

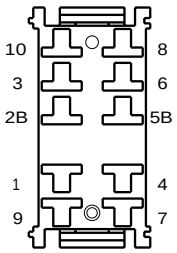


CONNECTOR 3520850C1

CAV	CIR	GAUGE	COLOR	TERMINAL
1	-	-	-	-
2B	H77NE	18	LTGN	1661224C1
3	-	-	-	-
4	-	-	-	-
5B	-	-	-	-
6	-	-	-	-
7%	H75AT	18	LTGN	3541250C1
	H75HB	18	LTGN	
8%	H62AA	18	DKBL	3541250C1
	H62AB	18	DKBL	
9	H77NF	18	LTGN	1661224C1
10%	H75HA	18	LTGN	3541250C1
	H75HC	18	LTGN	

% CRIMPED TOGETHER

NO IDLE APU
(5234)
(W/ PROSTAR)



CONNECTOR 3520850C1

CAV	CIR	GAUGE	COLOR	TERMINAL
1	H77NH	18	LTGN	1661224C1
2B	H77NA	18	LTGN	1661224C1
3	-	-	-	-
4	-	-	-	-
5B	-	-	-	-
6	-	-	-	-
7	H77NC	18	LTGN	1661224C1
8	H62AB	18	DKBL	1661224C1
9	-	-	-	-
10	H75HC	18	LTGN	1661224C1

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
CNA1	20JAN09	TITLE WAS CIRCUIT	D	61254R	U00K640	CIRCUIT DIAGRAM, PROSTAR, LONESTAR
		DIAGRAM, PROSTAR			RELEASE NO. 59637L	DATE 07SEP06

PART NO. AE08055906 SHEET 079

Figure 328 Connector Composites (5232), (5233), (5234)

https://truckmanualshub.com/

14.100. CONNECTOR COMPOSITES (5300), (5301), (5302), (5303), P. 79A

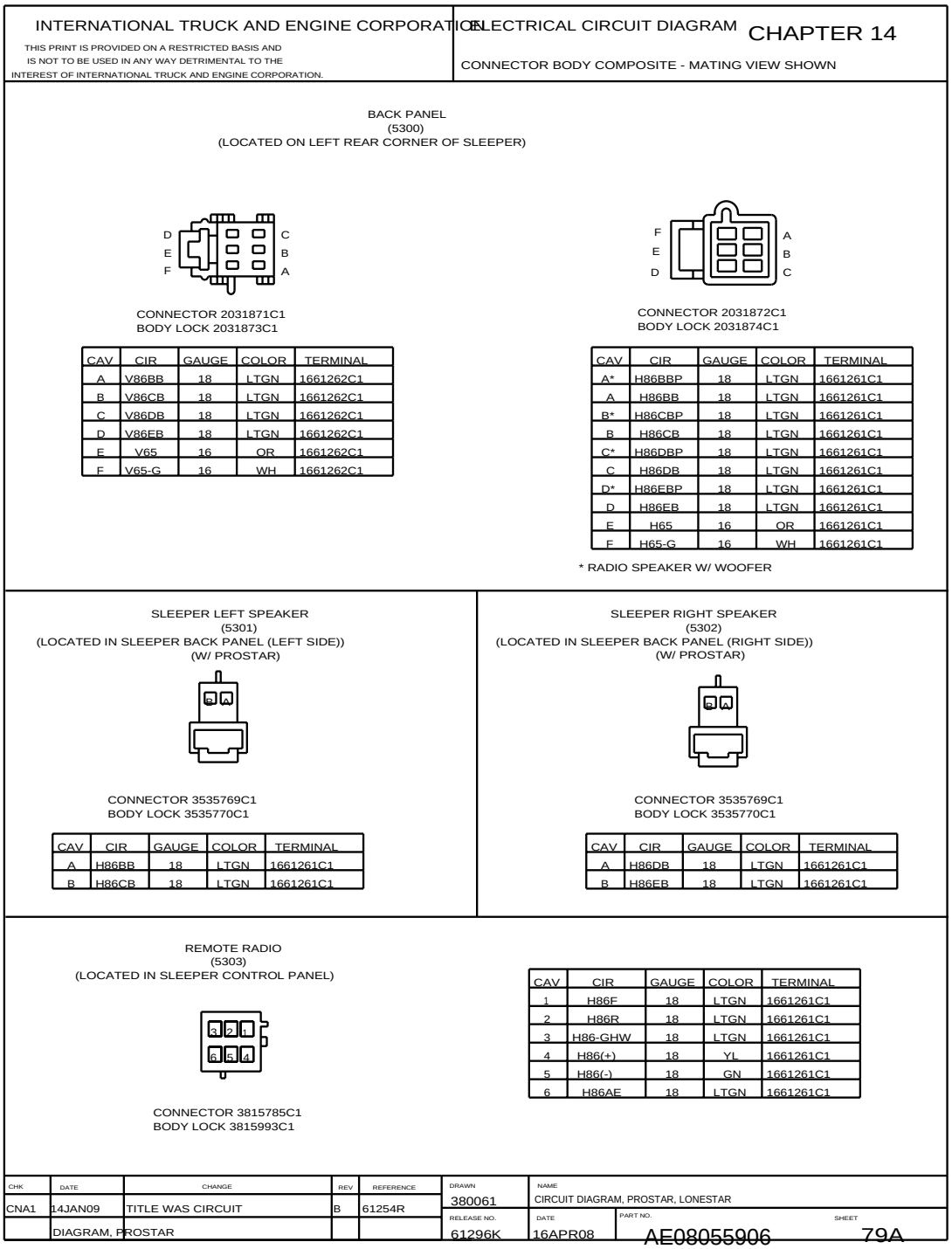


Figure 329 Connector Composites (5300), (5301), (5302), (5303)

https://truckmanualshub.com/

14.101. CONNECTOR COMPOSITES (5312), (5313), (5314), (5500), (5502), (5600), P. 80

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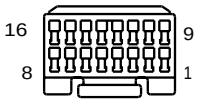
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 14

CONNECTOR BODY COMPOSITE - MATING VIEW SHOWN

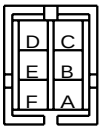
AMPLIFIER CONNECTOR B
(5312)
(LOCATED UNDER BUNK LEFT SIDE)



CONNECTOR 3663001C1

CAV	CIR	GAUGE	COLOR	TERMINAL
1	H86AH	18	LTGN	3577376C1
2	H86AK	18	LTGN	3577376C1
3	-	-	-	-
4	H86AC	18	LTGN	3577376C1
5	H86BBP	18	LTGN	3577376C1
6	H86DBP	18	LTGN	3577376C1
7	-	-	-	-
8	-	-	-	-
9	H86AJ	18	LTGN	3577376C1
10	H86AL	18	LTGN	3577376C1
11	-	-	-	-
12	-	-	-	-
13	H86CBP	18	LTGN	3577376C1
14	H86EBP	18	LTGN	3577376C1
15	-	-	-	-
16	-	-	-	-

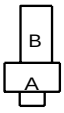
SUBWOOFER CONN
(5314)
(LOCATED UNDER BUNK LEFT SIDE)



CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A	H86DBA	18	LTGN	1661208C1
A*	H86DBB	18	LTGN	1661208C1
B	H86BBA	18	LTGN	1661208C1
B*	H86DBC	18	LTGN	1661208C1
C	-	-	-	-
D	-	-	-	-
E	H86CBA	18	LTGN	1661208C1
E*	H86EBC	18	LTGN	1661208C1
F	H86EBA	18	LTGN	1661208C1
F*	H86EBB	18	LTGN	1661208C1

CONNECTOR 1661200C1 (* W/ LONESTAR)

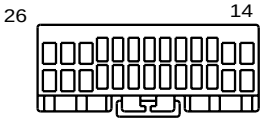
REFRIGERATOR
(5500)
(LOCATED ON RIGHT SIDE, BACK OF PASSENGER SEAT)



CONNECTOR 0872291R1

CAV	CIR	GAUGE	COLOR	TERMINAL
A	H86-GK	18	WH	0879630R1
B	H86AG	18	LTGN	0879630R1

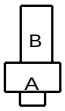
AMPLIFIER CONNECTOR A
(5313)
(LOCATED UNDER BUNK LEFT SIDE)



CONNECTOR 3663000C1
BODY LOCK 1661263C1

CAV	CIRCUIT	GA	COLOR	TERMINAL
1	H86DBA	18	LTGN	3577373C1
2	H86BBA	18	LTGN	3577373C1
3	H86AR	18	LTGN	3577376C1
4	H86AT	18	LTGN	3577376C1
5	-	-	-	-
6	H86AB	18	LTGN	3577376C1
7	H86DB	18	LTGN	3577376C1
8	H86BB	18	LTGN	3577376C1
9	H86K	18	LTGN	3577376C1
10	H86H	18	LTGN	3577376C1
11	H86APX	18	LTGN	3577373C1
12	H86APY	18	LTGN	3577373C1
13	H86APZ	18	LTGN	3577373C1
14	H86EBA	18	LTGN	3577375C2
15	H86CBA	18	LTGN	3577373C1
16	H86AS	18	LTGN	3577376C1
17	H86AU	18	LTGN	3577376C1
18	-	-	-	-
19	-	-	-	-
20	H86EB	18	LTGN	3577376C1
21	H86CB	18	LTGN	3577376C1
22	H86L	18	LTGN	3577376C1
23	H86J	18	LTGN	3577376C1
24	H86-GHX	18	LTGN	3577373C1
25	H86-GHY	18	LTGN	3577373C1
26	H86-GHZ	18	LTGN	3577375C2

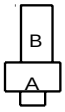
REFRIGERATOR
(5502)
(LOCATED ON RIGHT SIDE,BACK OF PASSENGER SEAT)
(W/ LONESTAR)



CAV	CIR	GAUGE	COLOR	TERMINAL
A	H86-GK	18	WH	0879630R1
B	H86AG	18	LTGN	0879630R1

CONNECTOR 0872291R1

12V POWER SOURCE
(5600)
(LOCATED IN RIGHT SIDE OF SLEEPER)



CAV	CIR	GAUGE	COLOR	TERMINAL
A	H86-GSB	16	WH	0188396R1
B	H86SBB	16	LTGN	0188396R1
B*	H86SBB	16	LTGN	0879630R1

(* W/ LONESTAR)

CONNECTOR 0872291R1

CHK	DATE	CHANGE	REV	REFERENCE
CNA1	14JAN09	ADDED LONESTAR EFFECT	B	61254R

DRAWN U00K640
NAME CIRCUIT DIAGRAM, PROSTAR, LONESTAR
RELEASE NO. 59637L
DATE 22SEP06
PART NO. AE08055906
SHEET 080

Figure 330 Connector Composites (5312), (5313), (5314), (5500), (5502), (5600)

https://truckmanualshub.com/

14.102. CONNECTOR COMPOSITES (5601M), (5602F), (5602M), (5603M), (5700), P. 80A

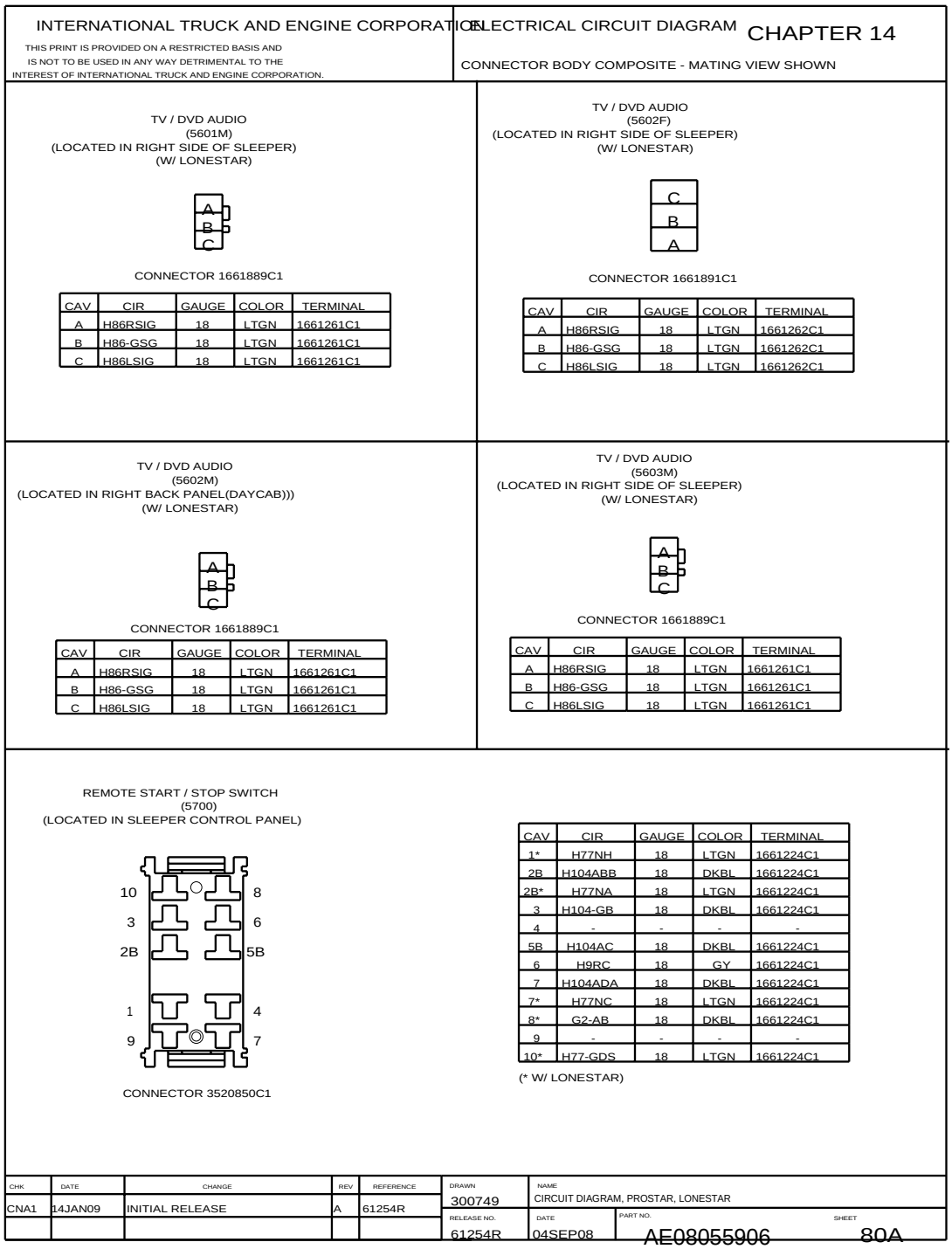


Figure 331 Connector Composites (5601M), (5602F), (5602M), (5603M), (5700)

https://truckmanualshub.com/

14.103. CONNECTOR COMPOSITES (5701), (5702), (5752), (5753), (5754), P. 81

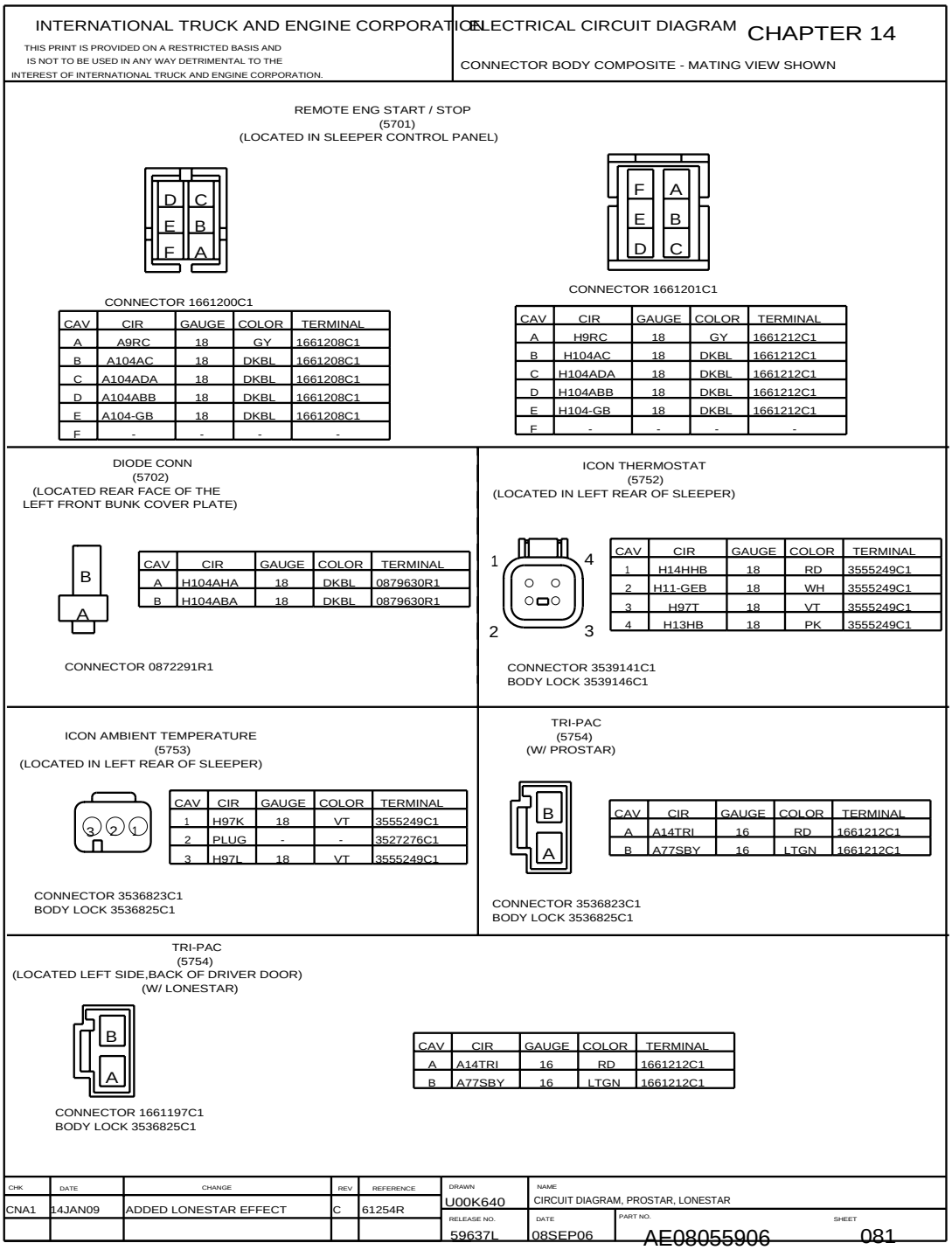


Figure 332 Connector Composites (5701), (5702), (5752), (5753), (5754)

https://truckmanualshub.com/

14.104. CONNECTOR COMPOSITES (5757), (5758), (5803), (5900), (5902), (5903), P. 82

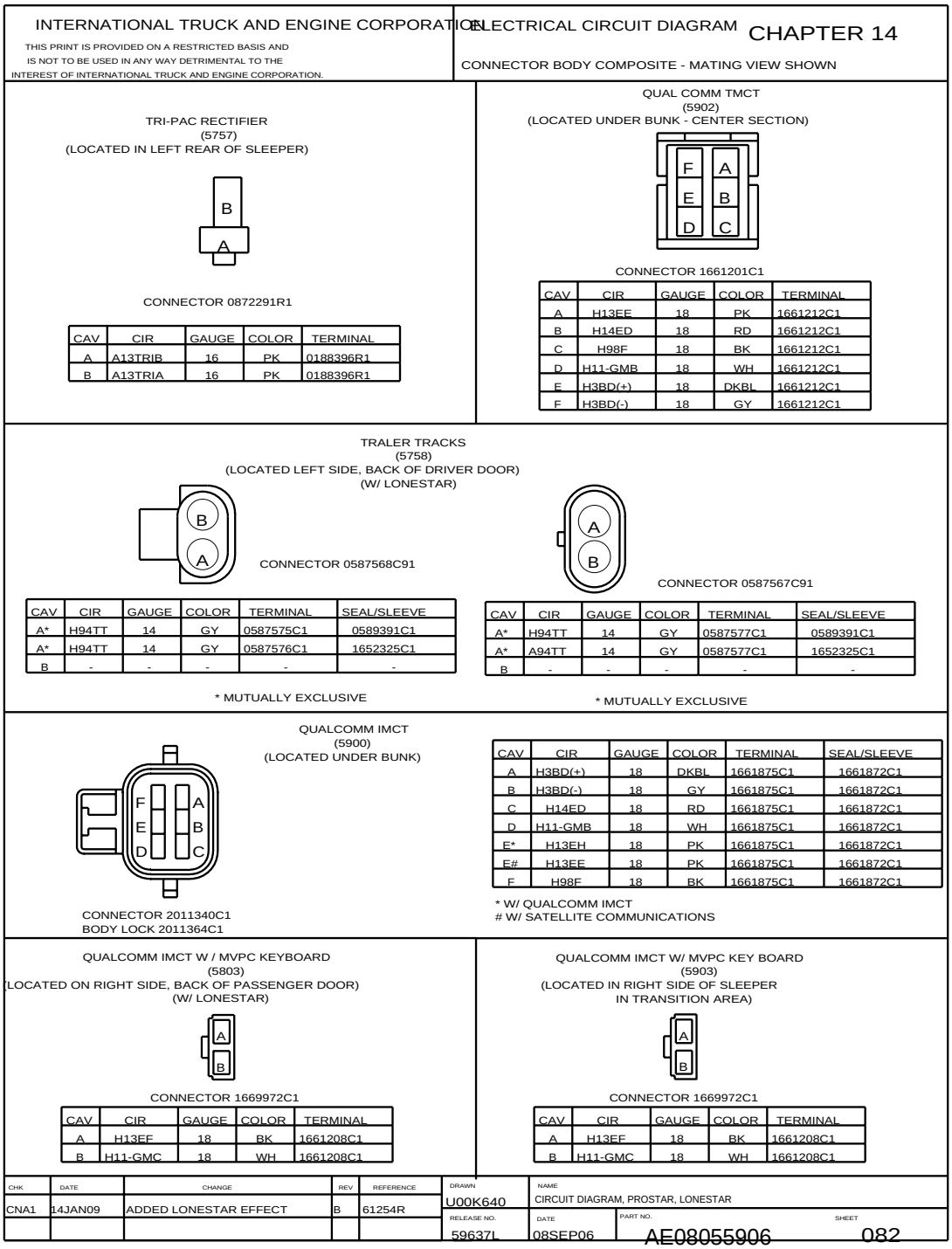


Figure 333 Connector Composites (5757), (5758), (5803), (5900), (5902), (5903)

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14.105. CONNECTOR COMPOSITES (5904/5904M), (5905/5905F), P. 83

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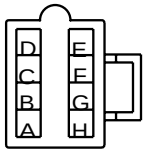
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 14

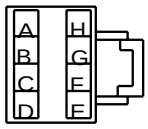
CONNECTOR BODY COMPOSITE - MATING VIEW SHOWN

MOTIENT MOBILE MAX POWER
(5904 / 5904M)
(LOCATED LEFT SIDE, BACK OF DRIVER DOOR)



CONNECTOR 2005836C1

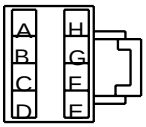
CAV	CIR	GAUGE	COLOR	TERMINAL
A	H14EA	18	RD	1661212C1
B	H14EE	18	RD	1661212C1
C	H11-GMC	18	WH	1661212C1
D	H11-GMA	18	WH	1661212C1
E	H13EE	18	PK	1661212C1
F	H3BD(+)	18	DKBL	1661212C1
G	H3BD(-)	18	GY	1661212C1



CONNECTOR 2005836C1

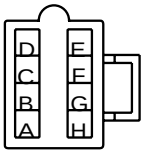
CAV	CIR	GAUGE	COLOR	TERMINAL
A	H14EA	18	RD	1661208C1
B	H14EE	18	RD	1661208C1
C	H11-GMC	18	WH	1661208C1
D	H11-GMA	18	WH	1661208C1
E	H13EE	18	PK	1661208C1
F	H3BD(+)	18	DKBL	1661208C1
G	H3BD(-)	18	GY	1661208C1

MOTIENT MOBILE MAX
DISCRETE I/O
(5905 / 5905F)
(LOCATED LEFT SIDE, BACK OF DRIVER DOOR)



CONNECTOR 2005835C1

CAV	CIR	GAUGE	COLOR	TERMINAL
A	-	-	-	-
B	H14EE	18	RD	1661208C1
C	-	-	-	-
D	-	-	-	-
E	-	-	-	-
F	-	-	-	-
G	-	-	-	-
H	-	-	-	-



CONNECTOR 2005836C1

CAV	CIR	GAUGE	COLOR	TERMINAL
A	-	-	-	-
B	H14EE	18	RD	1661212C1
B*	H98F	18	LTGN	1661208C1
C	-	-	-	-
D	-	-	-	-
E	-	-	-	-
F	-	-	-	-
G	-	-	-	-
H	-	-	-	-

* W/ LONESTAR

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
CNA1	14JAN09	ADDED LONESTAR EFFECT	A	61254R	U00K640	CIRCUIT DIAGRAM, PROSTAR, LONESTAR
					RELEASE NO. 59637L	DATE 08SEP06

PART NO. AE08055906 SHEET 083

Figure 334 Connector Composites (5904/5904M), (5905/5905F)

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14.106. CONNECTOR COMPOSITES (5906), (5907), P. 83A

INTERNATIONAL TRUCK AND ENGINE CORPORATION

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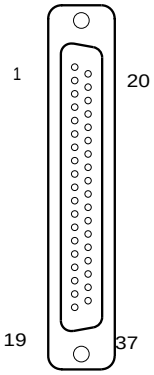
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 14

CONNECTOR BODY COMPOSITE - MATING VIEW SHOWN

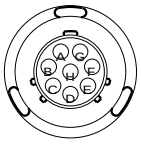
QUALCOMM MCT
(5906)
(LOCATED LEFT SIDE,
BACK OF DRIVER DOOR)
(W/ LONESTAR)



CONNECTOR 2028493C1

CAV	CIR	GAUGE	COLOR	TERMINAL
1	-	-	-	-
2	-	-	-	-
3	-	-	-	-
4	-	-	-	-
5	H3BD(-)	20	GY	2028495C1
6	H3BD(+)	20	DKBL	2028495C1
7	-	-	-	-
8	-	-	-	-
9	-	-	-	-
10	-	-	-	-
11	-	-	-	-
12	-	-	-	-
13	-	-	-	-
14	-	-	-	-
15	-	-	-	-
16	-	-	-	-
17	-	-	-	-
18	-	-	-	-
19	-	-	-	-
20	-	-	-	-
21	-	-	-	-
22	-	-	-	-
23	-	-	-	-
24	-	-	-	-
25	-	-	-	-
26	-	-	-	-
27	-	-	-	-
28	-	-	-	-
29	-	-	-	-
30	-	-	-	-
31	-	-	-	-
32	-	-	-	-
33	-	-	-	-
34	-	-	-	-
35	-	-	-	-
36	-	-	-	-
37	H94TT	20	GY	2028495C1

QUALCOMM MCT
(5907)
(LOCATED LEFT SIDE, BACK OF DRIVER DOOR)
(W/ LONESTAR)



CONNECTOR 2017533C1

CAV	CIR	GAUGE	COLOR	TERMINAL
A	H14EA	18	RD	2017535C1
B	H14EB	18	RD	2017535C1
C	H11-GMA	18	WH	2017535C1
D	H11-GMC	18	WH	2017535C1
E	H13EE	18	PK	2017535C1
F	H98F	18	BK	2017535C1
G	-	-	-	-
H	-	-	-	-

CHK	DATE	CHANGE	REV	REFERENCE
CNA1	20JAN09	ADDED LONESTAR EFFECT	B	61254R

DRAWN 300152 | NAME CIRCUIT DIAGRAM, PROSTAR, LONESTAR
RELEASE NO. 50297W | DATE 18OCT07 | PART NO. AE08055906 | SHEET 83A

Figure 335 Connector Composites (5906), (5907)

https://truckmanualshub.com/

14.107. CONNECTOR COMPOSITES (5909), (5925/5926), (5927), (5930M), (5940), P. 83B

INTERNATIONAL TRUCK AND ENGINE CORPORATION

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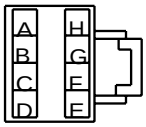
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 14

CONNECTOR BODY COMPOSITE - MATING VIEW SHOWN

DRIVER TECH
(5909)
(LOCATED UNDER BUNK)
(W/ LONESTAR)



CONNECTOR 2005835C1

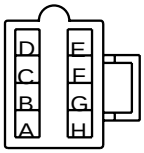
CAV	CIR	GAUGE	COLOR	TERMINAL
A	H14ED	18	RD	1661208C1
C	H11-GMB	18	WH	1661208C1
E	H13EE	18	PK	1661208C1
F	H3BD(+)	18	DKBL	1661208C1
G	H3BD(-)	18	GY	1661208C1

INVERTER CONTROLER
(5925 / 5926)
(LOCATED ON LEFT SIDE, WALL OF SLEEPER)
(W/ LONESTAR)

CONNECTOR 3822477C91

CAV	CIR	GAUGE	COLOR	TERMINAL
1	HX0	8	BK	ASSY
1	HX1	24	-	ASSY
2	HX2	24	-	ASSY
3	HX3	24	-	ASSY
4	HX4	24	-	ASSY
5	HX5	24	-	ASSY
6	HX6	24	-	ASSY
7	HX7	24	-	ASSY
8	HX8	24	-	ASSY

TRIP MASTER
(5927)
(LOCATED UNDER BUNK - CENTER SECTION)



CONNECTOR 2005836C1
BODY LOCK 2006504C1

CAV	CIR	GAUGE	COLOR	TERMINAL
A	H98A	18	BK	1661212C1
B	H98B	18	BK	1661212C1
C	H13SD	18	PK	1661212C1
D	H11-GSD	18	WH	1661212C1
E	H14SD	18	RD	1661212C1
F	H50S	18	YL	1661212C1
G	H70E	18	OR	1661212C1
H	-	-	-	-

J1939
(5930M)
(LOCATED UNDER BUNK - RIGHT SIDE)

CONNECTOR 1667741C1

CAV	CIR	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	H5T(+)	18	YL	1661875C1	3568570C1
B	PLUG	-	-	2025431C1	-
C	H5T(-)	18	GN	1661875C1	3568570C1

XATA MODULE
(5940)
(LOCATED UNDER BUNK - CENTER SECTION)

CONNECTOR 1667305C1
BODY LOCK 1661263C1

CAV	CIR	GAUGE	COLOR	TERMINAL
A	JE14EA	18	RD	1661261C1
B	JE11-GMD	18	WH	1661261C1
C	JE3BE(+)	18	DKBL	1661261C1
D	JE3BE(-)	18	GY	1661261C1

CHK	DATE	CHANGE	REV	REFERENCE
CNA1	14JAN09	INITIAL RELEASE	A	61254R

DRAWN 300638
NAME CIRCUIT DIAGRAM, PROSTAR, LONESTAR
RELEASE NO. 61254R
DATE 15SEP08
PART NO. AE08055906
SHEET 83B

Figure 336 Connector Composites (5909), (5925/5926), (5927), (5930M), (5940)

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14.108. CONNECTOR COMPOSITE (6000), P. 84

INTERNATIONAL TRUCK AND ENGINE CORPORATION

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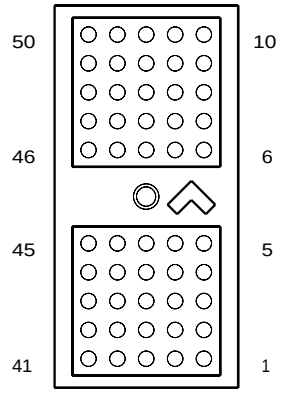
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 14

CONNECTOR BODY COMPOSITE - MATING VIEW SHOWN

ECM CONNECTOR
(6000)
(LOCATED ON LEFT SIDE OF ENGINE)



CONNECTOR 3555048C1

CAV	CIR	GAUGE	COLOR	TERMINAL
1	PLUG	-	-	0453133C1
2	PLUG	-	-	0453133C1
3	PLUG	-	-	0453133C1
4	PLUG	-	-	0453133C1
5	PLUG	-	-	0453133C1
6	PLUG	-	-	0453133C1
7	K95E	18	TN	3555249C1
8	PLUG	-	-	0453133C1
9	K99B	18	VT	3555249C1
10*	K3BA(+)	18	DKBL	3555249C1
10	K3BB(+)	18	DKBL	3555249C1
11	PLUG	-	-	0453133C1
12	PLUG	-	-	0453133C1
13	PLUG	-	-	0453133C1
14	PLUG	-	-	0453133C1
15	PLUG	-	-	0453133C1
16	PLUG	-	-	0453133C1
17	PLUG	-	-	0453133C1
18	PLUG	-	-	0453133C1
19#	K41A	16	TN	3555048C1
20*	K3BA(-)	18	GY	3555249C1
20	K3BB(-)	18	GY	3555249C1
21	K97PA	18	VT	3555249C1
22	K97C	18	VT	3555249C1
23	K97B	18	VT	3555249C1
24	PLUG	-	-	0453133C1
25	PLUG	-	-	0453133C1
26	PLUG	-	-	0453133C1
27	K47	16	GY	3555249C1
28	K34E	16	TN	3555249C1
29	PLUG	-	-	0453133C1
30	PLUG	-	-	0453133C1
31	K95B	18	TN	3555249C1
32	K97PB	18	WH	3555249C1
33	K95-GA	18	WH	3555249C1
34	PLUG	-	-	0453133C1
35	K97M	18	VT	3555249C1
36	K47A	16	GY	3555249C1
37	K95A	18	TN	3555249C1
38	K23	16	TN	3555249C1
39	K97FA	18	VT	3555249C1
40	K21	16	TN	3555249C1
41	PLUG	-	-	0453133C1
42	K34A1	16	TN	3555249C1
43	PLUG	-	-	0453133C1
44	PLUG	-	-	0453133C1
45	PLUG	-	-	0453133C1
46	K5S(+)	18	YL	3555249C1
47	K5S(-)	18	GN	3555249C1
48	PLUG	-	-	0453133C1
49	PLUG	-	-	0453133C1
50	K95C	18	TN	3555249C1

* W/ MANUAL XMSN
# W/ LONESTAR

CHK	DATE	CHANGE	REV	REFERENCE
CNA1	14JAN09	ADDED LONESTAR EFFECT	A	61254R

DRAWN U00K640
NAME CIRCUIT DIAGRAM, PROSTAR, LONESTAR
RELEASE NO. 59637L
DATE 08SEP06
PART NO. AE08055906
SHEET 084

Figure 337 Connector Composite (6000)

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14.109. CONNECTOR COMPOSITE (6010), P. 84A

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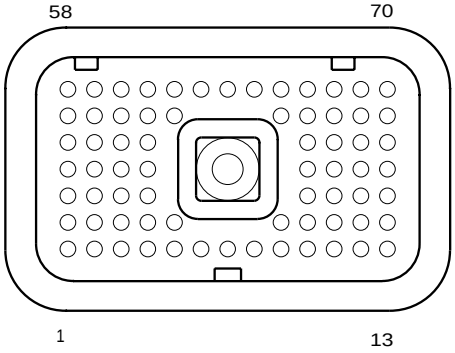
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 14

CONNECTOR BODY COMPOSITE - MATING VIEW SHOWN

ECM CONNECTOR
(6010)
(LOCATED ON LEFT SIDE OF ENGINE)
(ONLY FOR CAT ENGINE)



CONNECTOR 3526965C1

CAV	CIR	GAUGE	COLOR	TERMINAL
1	PLUG	-	-	2023143C1
2	K34B	16	TN	3526966C1
3	PLUG	-	-	2023143C1
4	K97C	18	VT	3526966C1
5	K97BA	18	VT	3526966C1
6	PLUG	-	-	2023143C1
7	PLUG	-	-	2023143C1
8	K3BB(+)	18	DKBL	3526966C1
9	K3BB(-)	18	GY	3526966C1
10	K21	16	TN	3526966C1
11	PLUG	-	-	2023143C1
12	PLUG	-	-	2023143C1
13	PLUG	-	-	2023143C1
14	PLUG	-	-	2023143C1
15	PLUG	-	-	2023143C1
16	PLUG	-	-	2023143C1
17	K41A	16	TN	3526966C1
18	K41-G	16	TN	3526966C1
19	PLUG	-	-	2023143C1
20	PLUG	-	-	2023143C1
21@	K23	16	TN	3526966C1
21	K23	16	TN	3526966C1
22	PLUG	-	-	2023143C1
23	PLUG	-	-	2023143C1
24	PLUG	-	-	2023143C1
25	PLUG	-	-	2023143C1
26	PLUG	-	-	2023143C1
27	PLUG	-	-	2023143C1
28	PLUG	-	-	2023143C1

CAV	CIR	GAUGE	COLOR	TERMINAL
29	PLUG	-	-	2023143C1
30	PLUG	-	-	2023143C1
31	PLUG	-	-	2023143C1
32	K47	16	GY	3526966C1
33	K47A	16	GY	3526966C1
34	K5S(-)	20	GN	3547816C1
35	PLUG	-	-	2023143C1
36	PLUG	-	-	2023143C1
37	PLUG	-	-	2023143C1
38	PLUG	-	-	2023143C1
39	PLUG	-	-	2023143C1
40	PLUG	-	-	2023143C1
41	PLUG	-	-	2023143C1
42	PLUG	-	-	2023143C1
43	PLUG	-	-	2023143C1
44	PLUG	-	-	2023143C1
45	PLUG	-	-	2023143C1
46	PLUG	-	-	2023143C1
47	PLUG	-	-	2023143C1
48	K97DA	14	VT	3526966C1
49	K34C	16	TN	3526966C1
50	K5S(+)	20	YL	3547816C1
51	PLUG	-	-	2023143C1
52	K97DB	14	VT	3526966C1
53	K97DC	14	VT	3526966C1
54	K34D	16	TN	3526966C1
55	K97DD	14	RD	3526966C1
56	PLUG	-	-	2023143C1
57	PLUG	-	-	2023143C1
58	PLUG	-	-	2023143C1
59	PLUG	-	-	2023143C1
60	PLUG	-	-	2023143C1
61	PLUG	-	-	2023143C1
62	PLUG	-	-	2023143C1
63	K10A-G	14	WH	3526966C1
64	PLUG	-	-	2023143C1
65	K10B-G	14	WH	3526966C1
66	K99B	18	VT	3526966C1
67	10C-G	14	WH	3526966C1
68	PLUG	-	-	2023143C1
69	K10-G	14	WH	3526966C1
70	K97F	18	VT	3526966C1

@ W/ ON/OFF FAN

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
CNA1	14JAN09	REVISED AND REDRAWN	B	61254R	300749	CIRCUIT DIAGRAM, PROSTAR, LONESTAR
					RELEASE NO. 61406U	DATE 17JUN08

PART NO. AE08055906 SHEET 84A

Figure 338 Connector Composite (6010)

https://truckmanualshub.com/

14.110. CONNECTOR COMPOSITES (6001), (6018), (6019), P. 85

INTERNATIONAL TRUCK AND ENGINE CORPORATION

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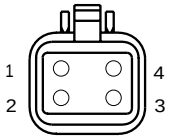
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 14

CONNECTOR BODY COMPOSITE - MATING VIEW SHOWN

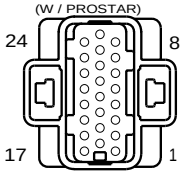
ECM POWER CONNECTOR
(6001)
(LOCATED ON LEFT SIDE OF ENGINE)



CONNECTOR 3557533C1
BODY LOCK 3557539C1

CAV	CIR	GAUGE	COLOR	TERMINAL
1	K10-G	12	WH	3557534C1
2	PLUG	-	-	0453133C1
3	K14AC	12	RD	0505040C1
4	K14AD	12	RD	0505040C1

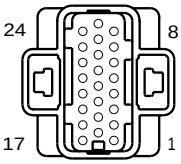
EIM CONNECTOR
(6019)
(LOCATED ON LEFT SIDE OF ENGINE)
(W / PROSTAR)



CONNECTOR 3803078C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	PLUG	-	-	3562316C1
2	K23C	18	TN	3562314C1
3	PLUG	-	-	3562316C1
4	PLUG	-	-	3562316C1
5	PLUG	-	-	3562316C1
6	K98YL5	18	YL	3562314C1
7	PLUG	-	-	3562316C1
8	PLUG	-	-	3562316C1
9	PLUG	-	-	3562316C1
10	K92A6	18	TN	3562314C1
11	PLUG	-	-	3562316C1
12	PLUG	-	-	3562316C1
13	K98GN5	18	GN	3562314C1
14	PLUG	-	-	3562316C1
15	PLUG	-	-	3562316C1
16	PLUG	-	-	3562316C1
17	PLUG	-	-	3562316C1
18	K21B1	18	TN	3562314C1
19	PLUG	-	-	3562316C1
20	PLUG	-	-	3562316C1
21	PLUG	-	-	3562316C1
22	PLUG	-	-	3562316C1
23	PLUG	-	-	3562316C1
24	PLUG	-	-	3562316C1

EIM CONNECTOR
(6018)
(LOCATED ON LEFT SIDE OF ENGINE)
(W / PROSTAR)



CONNECTOR 3803077C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	PLUG	-	-	3562316C1
2	PLUG	-	-	3562316C1
3	PLUG	-	-	3562316C1
4	PLUG	-	-	3562316C1
5	K92A2	18	TN	3562314C1
6	K34-GB	18	WH	3562314C1
7	K41	16	TN	3562315C1
8	PLUG	-	-	3562316C1
9	PLUG	-	-	3562316C1
10	PLUG	-	-	3562316C1
11	PLUG	-	-	3562316C1
12	PLUG	-	-	3562316C1
13	K21B3	18	TN	3562314C1
14	K34BA	18	TN	3562314C1
15	PLUG	-	-	3562316C1
16	K92A1	18	TN	3562314C1
17	K21TN1	18	TN	3562314C1
18*	K23	18	TN	3562314C1
18@	K23	16	TN	3562315C1
19	PLUG	-	-	3562316C1
20	K92A5	18	TN	3562314C1
21	PLUG	-	-	3562316C1
22	PLUG	-	-	3562316C1
23	PLUG	-	-	3562316C1
24	PLUG	-	-	3562316C1

* W/ VARIABLE SPEED FAN
@ W/ TWO SPEED FAN

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
CNA1	14JAN09	TITLE WAS CIRCUIT	C	61254R	U00K640	CIRCUIT DIAGRAM, PROSTAR, LONESTAR
	DIAGRAM, PROSTAR				RELEASE NO. 59637L	DATE 08SEP06

PART NO. AE08055906 SHEET 085

Figure 339 Connector Composites (6001), (6018), (6019)

https://truckmanualshub.com/

14.111. CONNECTOR COMPOSITES (6020), (6021), (6033), P. 85A

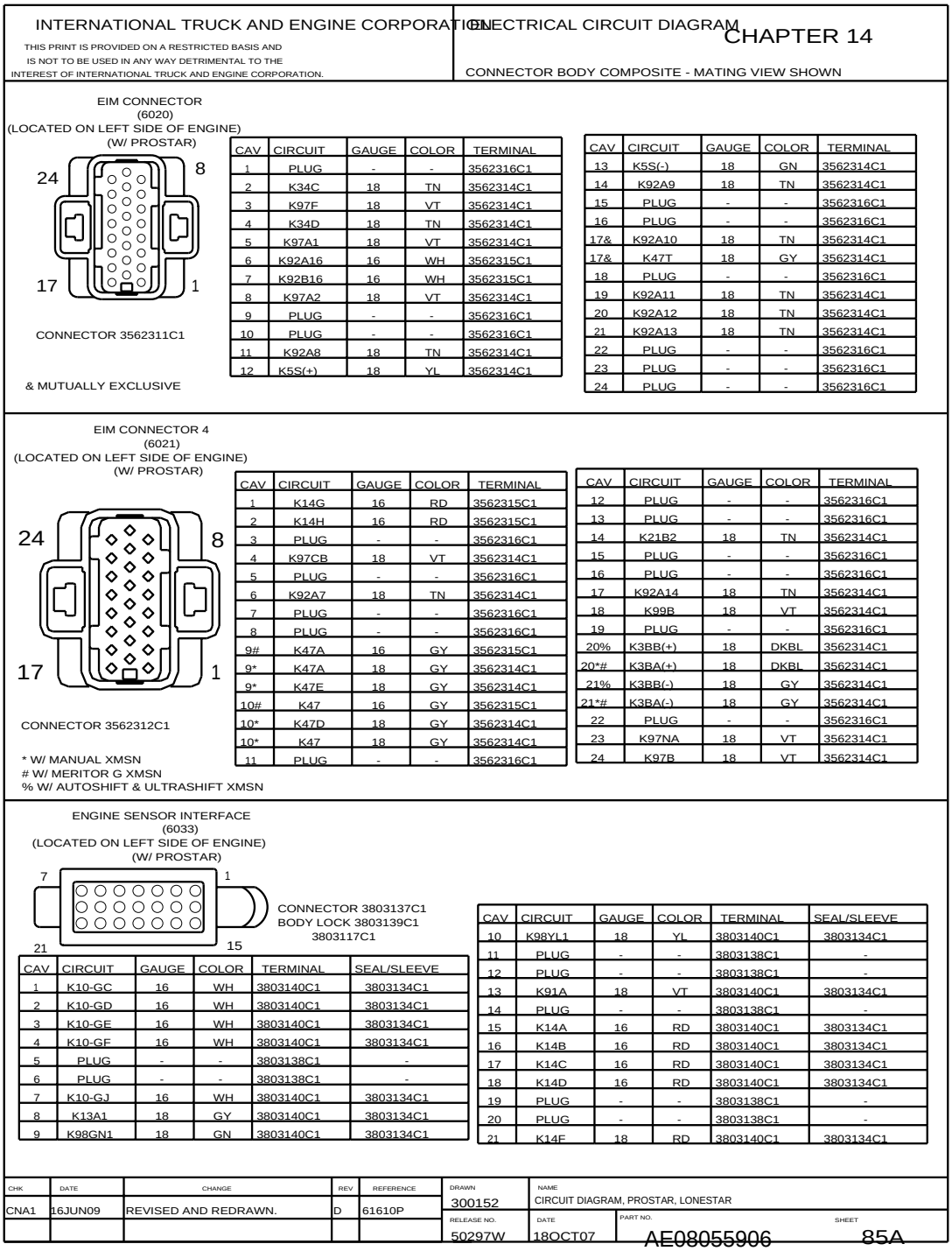
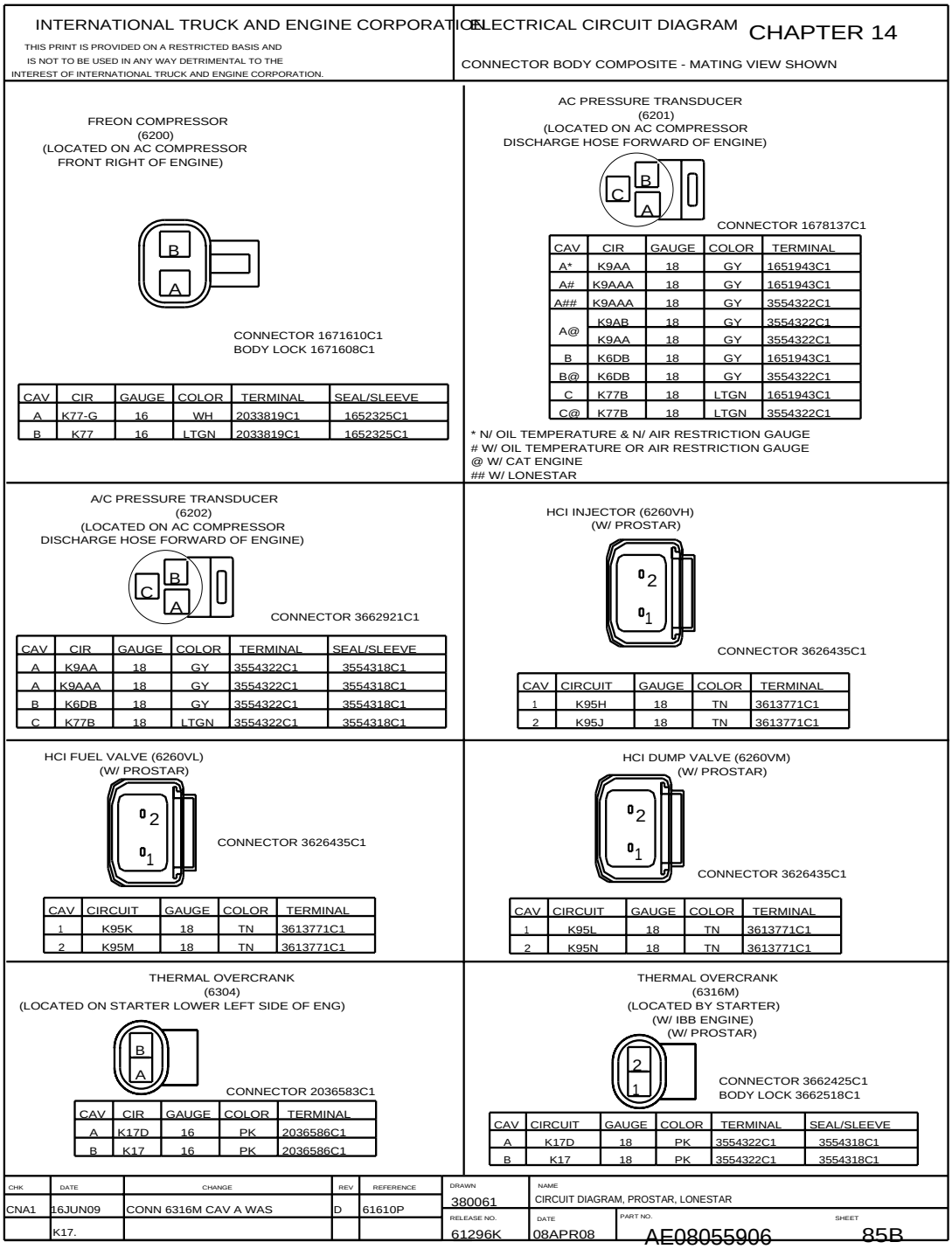


Figure 340 Connector Composites (6020), (6021), (6033)

https://truckmanualshub.com/

14.112. CONNECTOR COMPOSITES (6200), (6201), (6202), (6260VH), (6260VL), (6260VM), (6304), (6316M), P. 85B



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ELECTRICAL CIRCUIT DIAGRAM CHAPTER 14

CONNECTOR BODY COMPOSITE - MATING VIEW SHOWN

FREON COMPRESSOR
(6200)
(LOCATED ON AC COMPRESSOR
FRONT RIGHT OF ENGINE)

B
A

CONNECTOR 1671610C1
BODY LOCK 1671608C1

CAV	CIR	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	K77-G	16	WH	2033819C1	1652325C1
B	K77	16	LTGN	2033819C1	1652325C1

AC PRESSURE TRANSDUCER
(6201)
(LOCATED ON AC COMPRESSOR
DISCHARGE HOSE FORWARD OF ENGINE)

C B A

CONNECTOR 1678137C1

CAV	CIR	GAUGE	COLOR	TERMINAL
A*	K9AA	18	GY	1651943C1
A#	K9AAA	18	GY	1651943C1
A##	K9AAA	18	GY	3554322C1
A@	K9AB	18	GY	3554322C1
	K9AA	18	GY	3554322C1
B	K6DB	18	GY	1651943C1
B@	K6DB	18	GY	3554322C1
C	K77B	18	LTGN	1651943C1
C@	K77B	18	LTGN	3554322C1

* N/ OIL TEMPERATURE & N/ AIR RESTRICTION GAUGE
# W/ OIL TEMPERATURE OR AIR RESTRICTION GAUGE
@ W/ CAT ENGINE
W/ LONESTAR

A/C PRESSURE TRANSDUCER
(6202)
(LOCATED ON AC COMPRESSOR
DISCHARGE HOSE FORWARD OF ENGINE)

C B A

CONNECTOR 3662921C1

CAV	CIR	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	K9AA	18	GY	3554322C1	3554318C1
A	K9AAA	18	GY	3554322C1	3554318C1
B	K6DB	18	GY	3554322C1	3554318C1
C	K77B	18	LTGN	3554322C1	3554318C1

HCI INJECTOR (6260VH)
(W/ PROSTAR)

2 1

CONNECTOR 3626435C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	K95H	18	TN	3613771C1
2	K95J	18	TN	3613771C1

HCI FUEL VALVE (6260VL)
(W/ PROSTAR)

2 1

CONNECTOR 3626435C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	K95K	18	TN	3613771C1
2	K95M	18	TN	3613771C1

HCI DUMP VALVE (6260VM)
(W/ PROSTAR)

2 1

CONNECTOR 3626435C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	K95L	18	TN	3613771C1
2	K95N	18	TN	3613771C1

THERMAL OVERCRANK
(6304)
(LOCATED ON STARTER LOWER LEFT SIDE OF ENG)

B
A

CONNECTOR 2036583C1

CAV	CIR	GAUGE	COLOR	TERMINAL
A	K17D	16	PK	2036586C1
B	K17	16	PK	2036586C1

THERMAL OVERCRANK
(6316M)
(LOCATED BY STARTER)
(W/ IBB ENGINE)
(W/ PROSTAR)

2
1

CONNECTOR 3662425C1
BODY LOCK 3662518C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	K17D	18	PK	3554322C1	3554318C1
B	K17	18	PK	3554322C1	3554318C1

CHK	DATE	CHANGE	REV	REFERENCE
CNA1	16JUN09	CONN 6316M CAV A WAS	D	61610P
	K17.			

DRAWN 380061
NAME CIRCUIT DIAGRAM, PROSTAR, LONESTAR
RELEASE NO. 61296K
DATE 08APR08
PART NO. AE08055906
SHEET 85B

Figure 341 Connector Composites (6200), (6201), (6202), (6260VH), (6260VL), (6260VM), (6304), (6316M)

https://truckmanualshub.com/

14.113. CONNECTOR COMPOSITES (6400), (6401), (6402), (6403), (6406/6402), P. 86

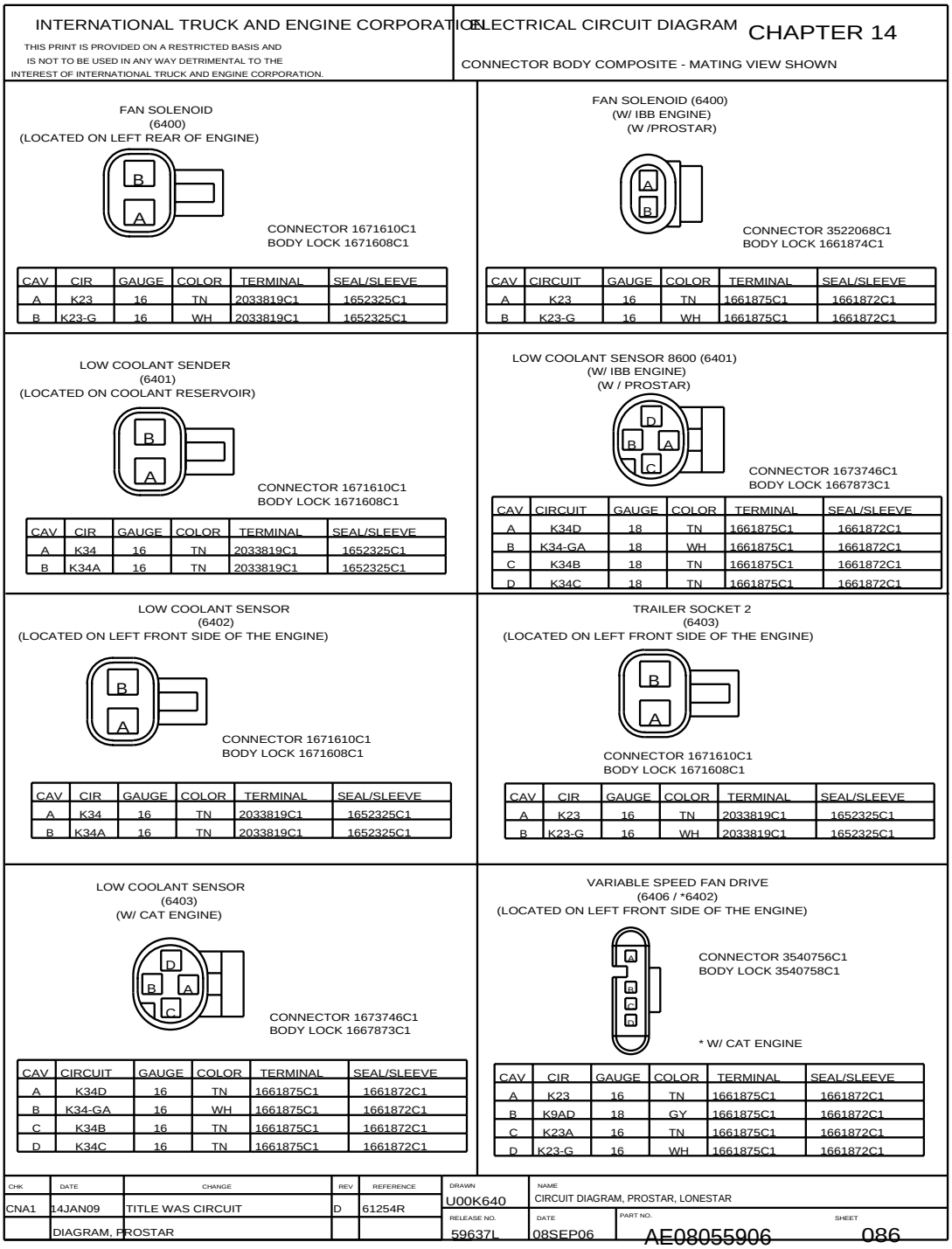

Figure 342 Connector Composites (6400), (6401), (6402), (6403), (6406/6402)

https://truckmanualshub.com/

14.114. CONNECTOR COMPOSITES (6420), (6550), (6551), (6561), (6650), (6700), (6701), P. 86A

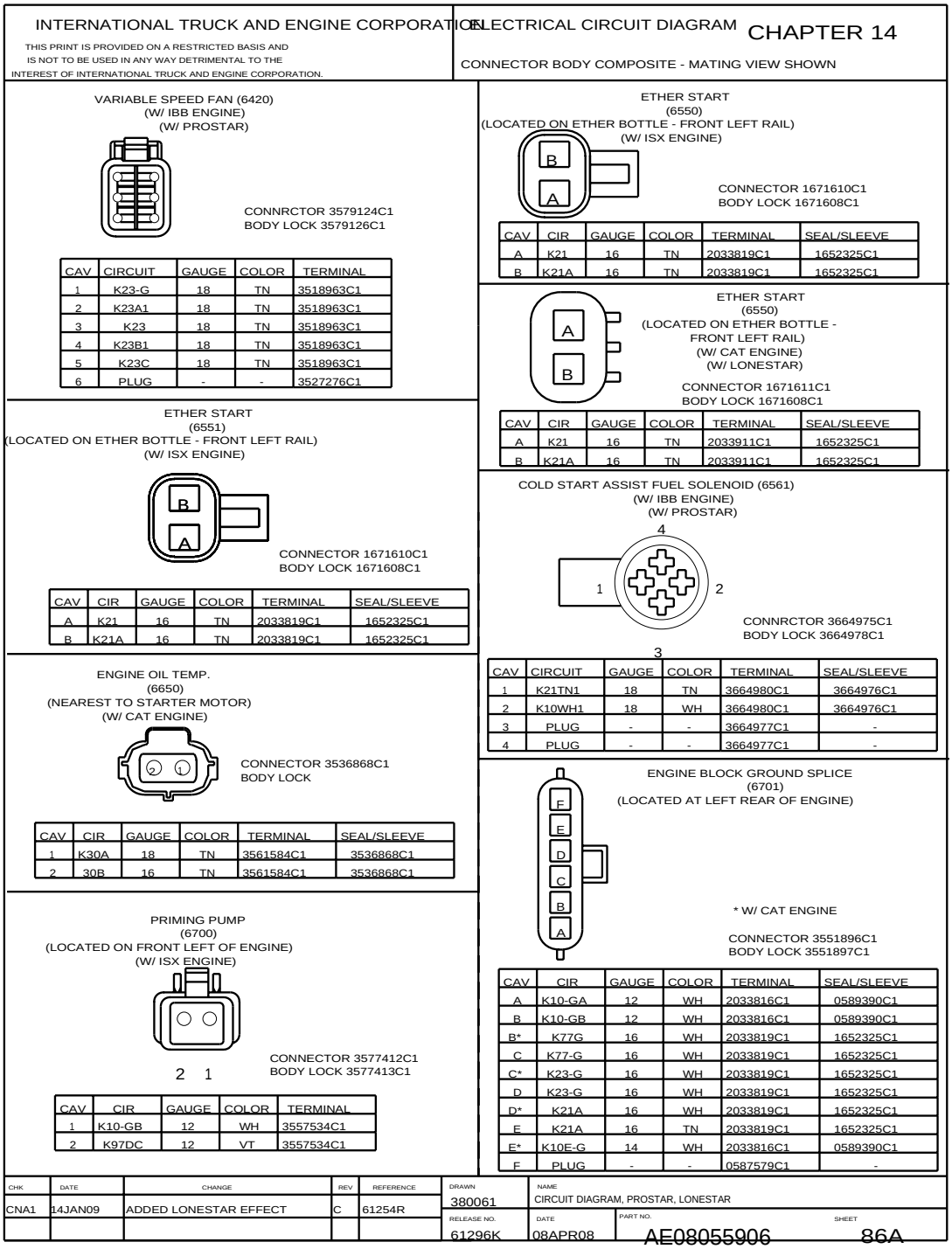

Figure 343 Connector Composites (6420), (6550), (6551), (6561), (6650), (6700), (6701)

https://truckmanualshub.com/

14.115. CONNECTOR COMPOSITES (6702), (6703), (6703/6703A), (6704), (6704A), P. 87

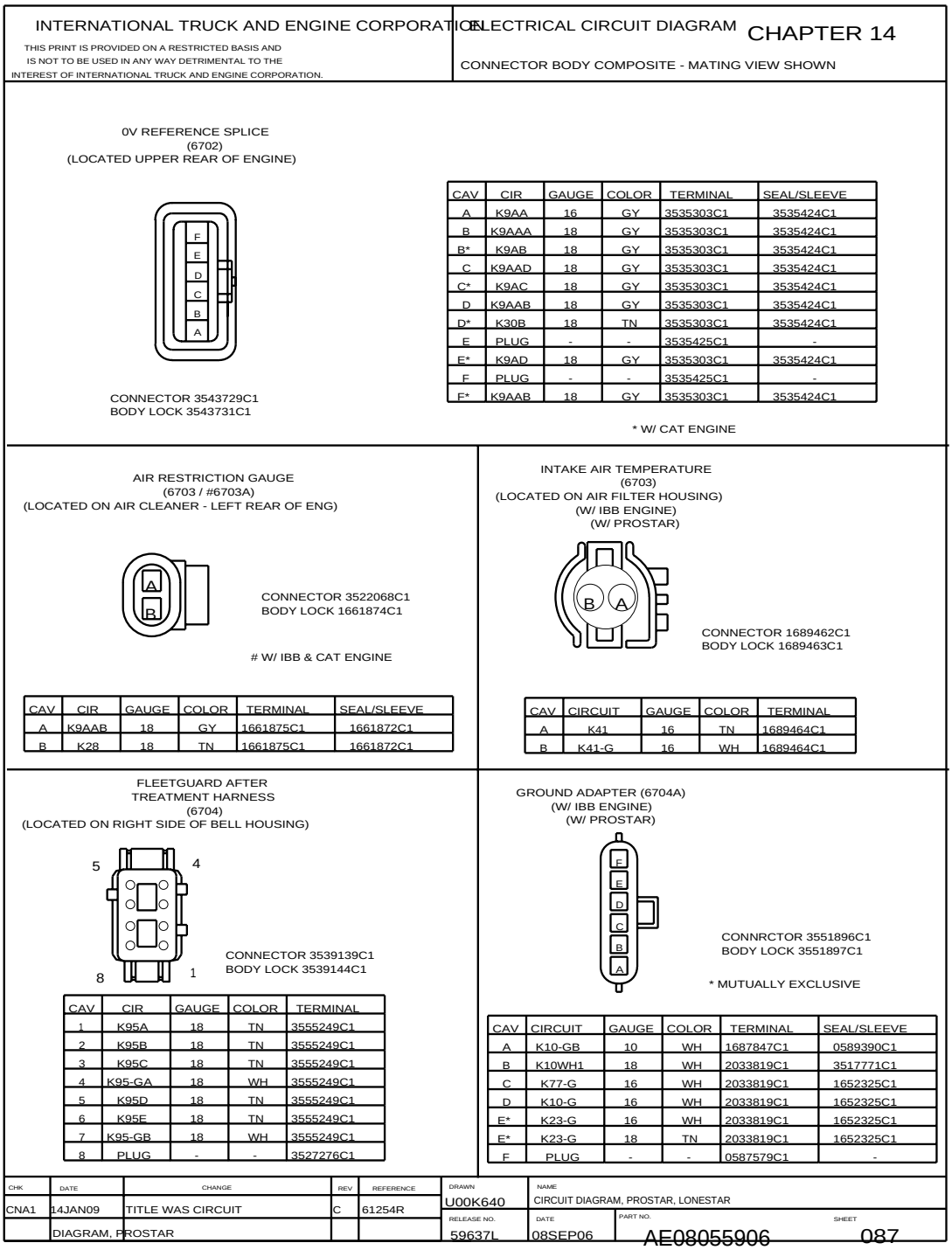

Figure 344 Connector Composites (6702), (6703), (6703/6703A), (6704), (6704A)

https://truckmanualshub.com/

14.116. CONNECTOR COMPOSITES (6705), (6706), (6707), P. 88

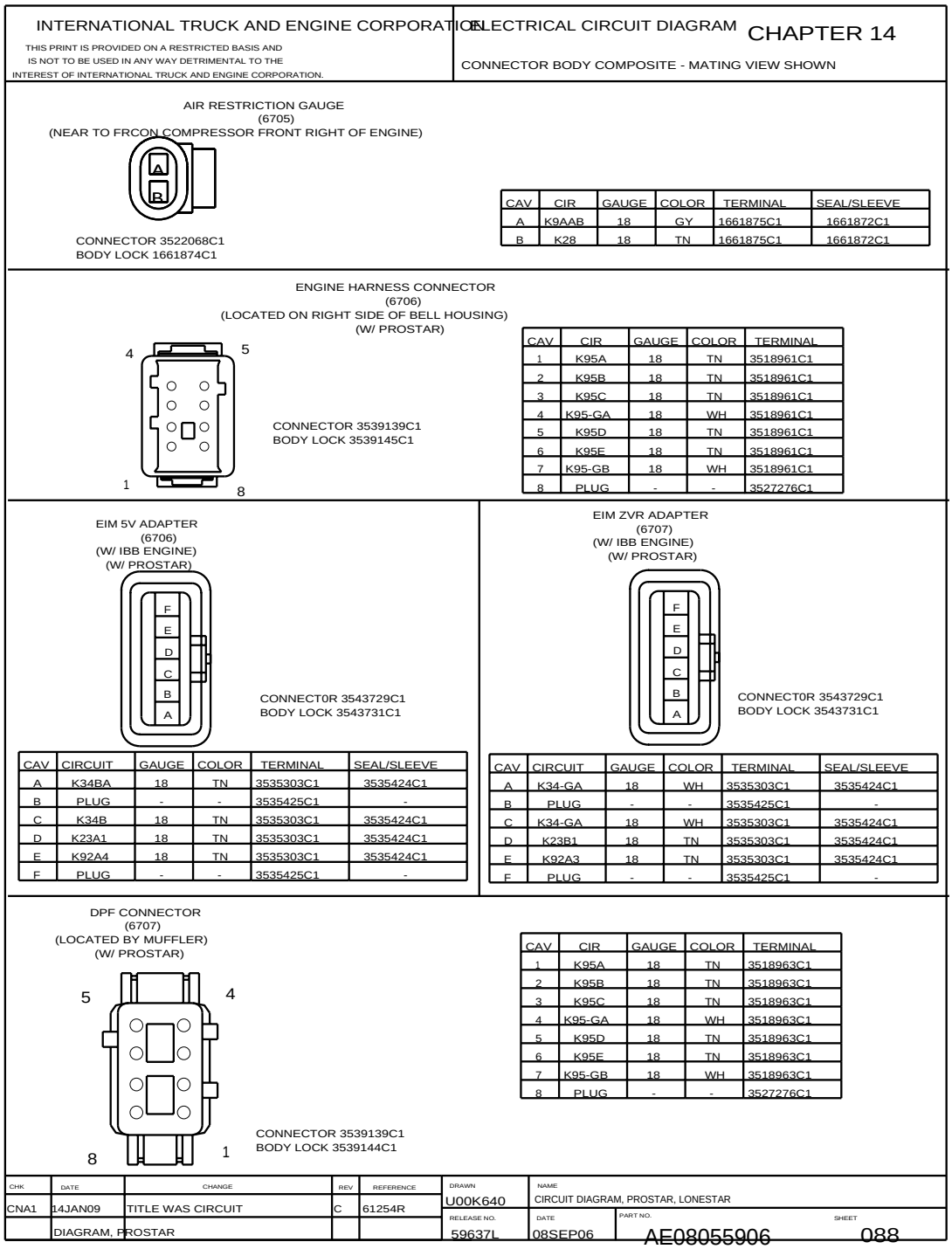

Figure 345 Connector Composites (6705), (6706), (6707)

https://truckmanualshub.com/

14.117. CONNECTOR COMPOSITES (6708), (6709), (6712), (6713), (6714), P. 88A

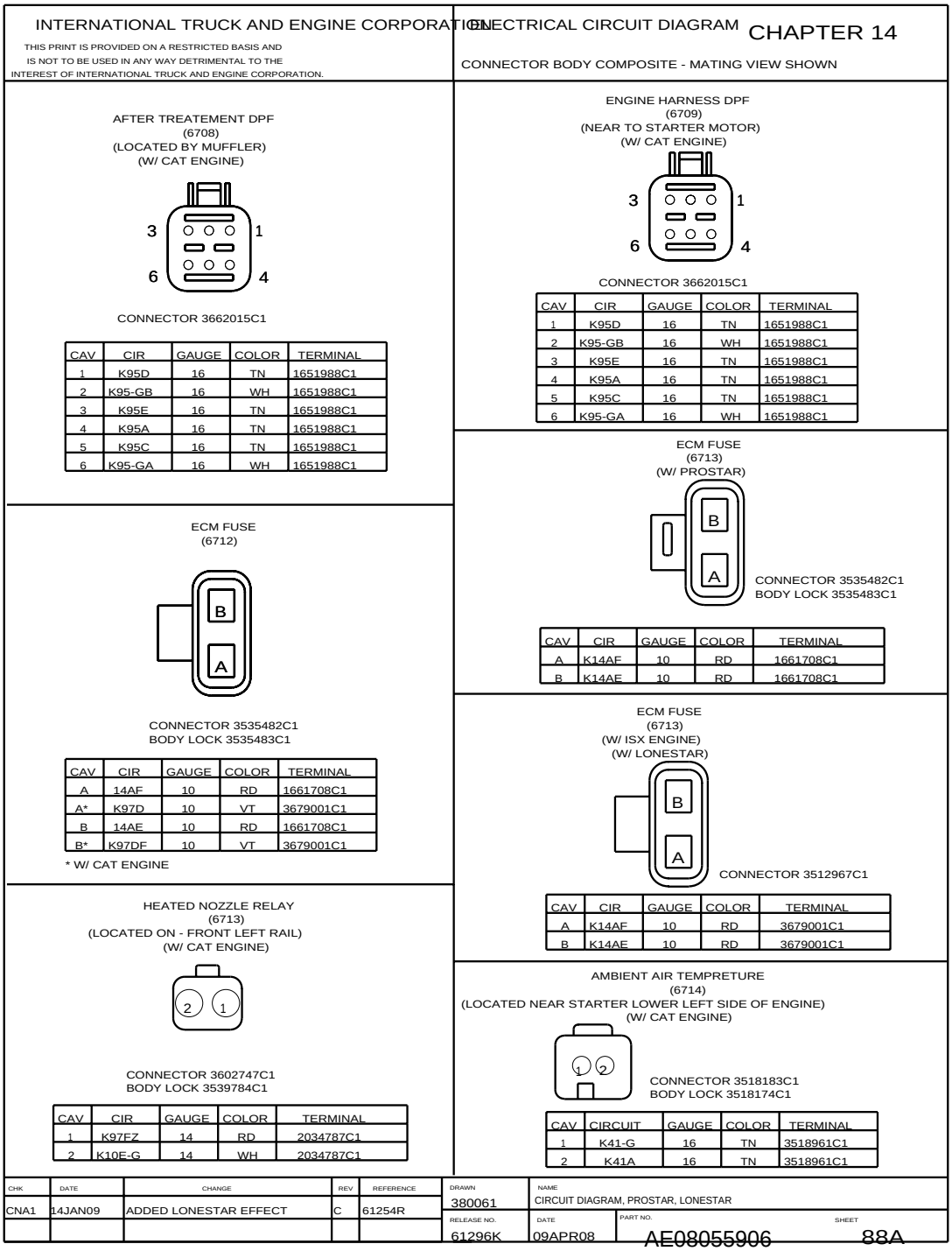

Figure 346 Connector Composites (6708), (6709), (6712), (6713), (6714)

https://truckmanualshub.com/

14.118. CONNECTOR COMPOSITES (6715), (6716), (6716A), (6720/6721), (6730), P. 88B

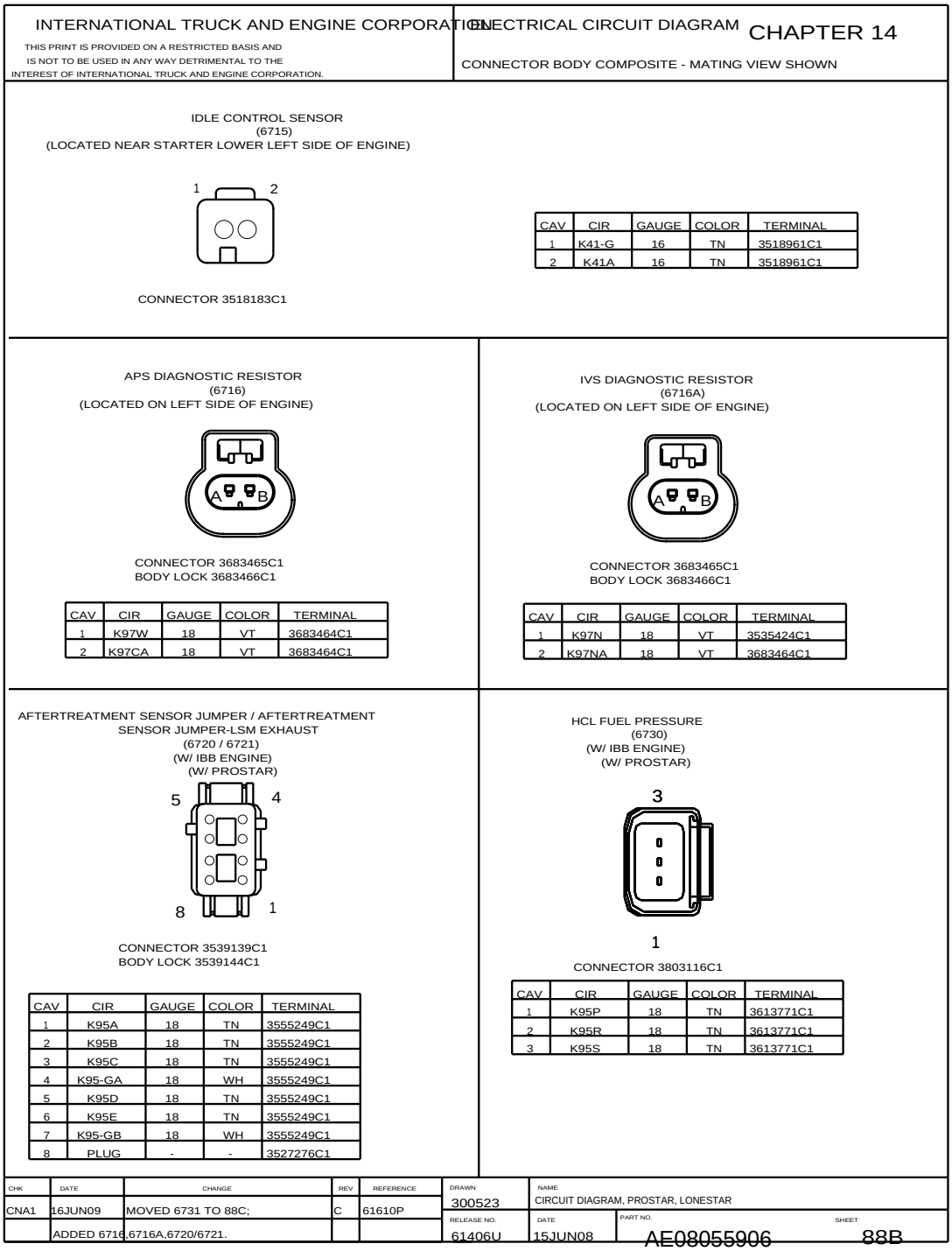

Figure 347 Connector Composites (6715), (6716), (6716A), (6720/6721), (6730)

https://truckmanualshub.com/

14.119. CONNECTOR COMPOSITES (6725), (6731/6731A), P. 88C

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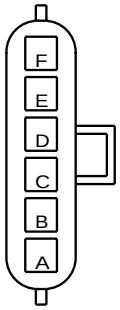
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 14

CONNECTOR BODY COMPOSITE - MATING VIEW SHOWN

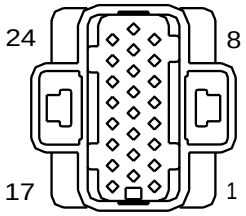
IGN ADAPTER
(6725)
(W/ IBB ENGINE)



CONNECTOR 3551896C1
BODY LOCK 3551897C1

CAV	CIR	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	K13A	18	PK	2033819C1	3517771C1
B	K13A1	18	GY	2033819C1	3517771C1
C	K97FC	18	GY	2033819C1	3517771C1
D	PLUG	-	-	0587579C1	-
E	PLUG	-	-	0587579C1	-
F	PLUG	-	-	0587579C1	-

MOTOTRON CONNECTOR B
(6731 / 6731A)
(W/ IBB ENGINE)
(W/ PROSTAR)



CONNECTOR 3805646C1

CAV	CIR	GAUGE	COLOR	TERMINAL
1	K95T1	18	TN	3562314C1
2	PLUG	-	-	3562316C1
3	PLUG	-	-	3562316C1
4	PLUG	-	-	3562316C1
5	PLUG	-	-	3562316C1
6	PLUG	-	-	3562316C1
7	PLUG	-	-	3562316C1
8	K15A	18	RD	3562314C1
9	PLUG	-	-	3562316C1
10	PLUG		-	3562316C1
11	PLUG	-	-	3562316C1
12	K95A	18	TN	3562314C1
13	PLUG	-	-	3562316C1
14	K95C	18	TN	3562314C1
15	K95B	18	TN	3562314C1
16	PLUG	-	-	3562316C1
17	K10-GB	16	WH	3562315C1
18	K95E	18	TN	3562314C1
19	PLUG	-	-	3562316C1
20	K98YL4	18	YL	3562314C1
21	K98GN4	18	GN	3562314C1
22	K14A	16	RD	3562314C1
23	K95S	18	TN	3562314C1
24	K95F	18	TN	3562314C1

CHK	DATE	CHANGE	REV	REFERENCE
CNA1	16JUN09	INITIAL RELEASE.	A	61610P

DRAWN 310698
NAME CIRCUIT DIAGRAM, PROSTAR, LONESTAR
RELEASE NO. 61610P
DATE 06APR09
PART NO. AE08055906
SHEET 88C

Figure 348 Connector Composites (6725), (6731/6731A)

https://truckmanualshub.com/

14.120. CONNECTOR COMPOSITES (6732), (7103), (7104), P. 89

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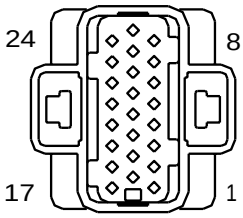
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 14

CONNECTOR BODY COMPOSITE - MATING VIEW SHOWN

MOTOTRON CONNECTOR A (6732)
(W/ IBB ENGINE)
(W/ PROSTAR)



CONNECTOR 3805644C1

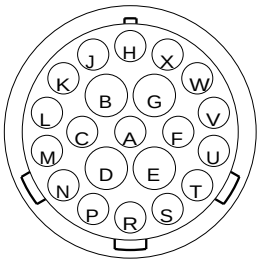
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	K95L	18	TN	3562314C1
2	K95K	18	TN	3562314C1
3	PLUG	-	-	3562316C1
4	PLUG	-	-	3562316C1
5	PLUG	-	-	3562316C1
6	PLUG	-	-	3562316C1
7	PLUG	-	-	3562316C1
8	PLUG	-	-	3562316C1
9	PLUG	-	-	3562316C1
10	PLUG		-	3562316C1
11	PLUG	-	-	3562316C1
12	PLUG	-	-	3562316C1
13	PLUG	-	-	3562316C1
14	PLUG	-	-	3562316C1
15	PLUG	-	-	3562316C1
16	K10-GA	16	WH	3562315C1
17	K95H	18	TN	3562314C1
18	K95J	18	TN	3562314C1
19	PLUG	-	-	3562316C1
20	PLUG	-	-	3562316C1
21	PLUG	-	-	3562316C1
22	PLUG	-	-	3562316C1
23	K14B	16	RD	3562315C1
24	PLUG	-	-	3562316C1

FREEDOMLINE XMSN
J1939 CONNECTION
(7103)
(LOCATED ON TOP OF TRANSMISSION)

CONNECTOR 3602454C1
BODY LOCK 1655705C1

CAV	CIR	GAUGE	COLOR	TERMINAL
A	K5V(+)	18	YL	1680206C1
B	K5V(-)	18	GN	1680206C1
C	PLUG	-	-	0453133C1

FREEDOMLINE XMSN
MAIN CONNECTION
(7104)
(LOCATED ON LEFT SIDE OF TRANSMISSION)



* W/ CAT ENGINE
# W/ PROSTAR

CONNECTOR 3573145C1

CAV	CIR	GAUGE	COLOR	TERMINAL
A	K13A	16	PK	1680205C1
B	K14AA	12	RD	3557534C1
C	K17-GC	16	WH	1680205C1
D	K10-GHA	12	WH	3557534C1
E	K10-GHB	12	WH	3557534C1
F#	K71-G	16	OR	1680205C1
F*	K71-G	16	WH	1680205C1
G	K14AB	12	RD	3557534C1
H	K3BC(+)	16	DKBL	1680205C1
J	K3BC(-)	16	GY	1680205C1
K	PLUG	-	-	0453133C1
L	PLUG	-	-	0453133C1
M	PLUG	-	-	0453133C1
N	PLUG	-	-	0453133C1
P	PLUG	-	-	0453133C1
R	PLUG	-	-	0453133C1
S	PLUG	-	-	0453133C1
T	PLUG	-	-	0453133C1
U	PLUG	-	-	0453133C1
V	PLUG	-	-	0453133C1
W	PLUG	-	-	0453133C1
X	PLUG	-	-	0453133C1

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
CNA1	14JAN09	TITLE WAS CIRCUIT	D	61254R	U00K640	CIRCUIT DIAGRAM, PROSTAR, LONESTAR
	DIAGRAM, PROSTAR				RELEASE NO. 59637L	DATE 08SEP06

PART NO. AE08055906 SHEET 089

Figure 349 Connector Composites (6732), (7103), (7104)

https://truckmanualshub.com/

14.121. CONNECTOR COMPOSITES (7105), (7107/7110), (7111), (7500/7500A), P. 90

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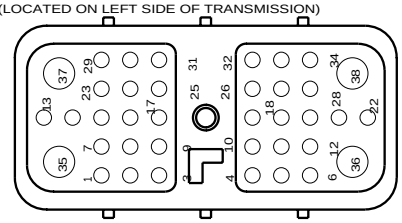
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 14

CONNECTOR BODY COMPOSITE - MATING VIEW SHOWN

EATON GEN3 TCM CONNECTOR (7105)
(LOCATED ON LEFT SIDE OF TRANSMISSION)



CONNECTOR 3599542C1
@ W/ PROSTAR

* MUTUALLY EXCLUSIVE
# W/ CAT ENGINE
% W/ IBB ENGINE

CAV	CIR	GAUGE	COLOR	TERMINAL
1	PLUG	-	-	3527276C1
2	K5V(-)	18	GN	3555249C1
3	K5V(+)	18	YL	3555249C1
4*	K17-GC	18	WH	3555249C1
4*@%	K17-GC	18	PK	3555249C1
5	PLUG	-	-	3527276C1
6	PLUG	-	-	3527276C1
7	PLUG	-	-	3527276C1
8	PLUG	-	-	3527276C1
9	PLUG	-	-	3527276C1
10	K3BC(+)	18	DKBL	3555249C1
11	K3BC(-)	18	GY	3555249C1
12	PLUG	-	-	3527276C1
13	PLUG	-	-	3527276C1
14	PLUG	-	-	3527276C1
15	PLUG	-	-	3527276C1
16	K92A	18	TN	3555249C1
17	K92B	18	TN	3555249C1
18	PLUG	-	-	3527276C1
19	PLUG	-	-	3527276C1
20*	K92E	18	TN	3555249C1
20*@%	K92E	16	TN	3555249C1
21	K92F	18	TN	3555249C1
22	K92H	18	TN	3555249C1
23	PLUG	-	-	3527276C1
24	PLUG	-	-	3527276C1
25%	K92J	18	TN	3555249C1
26*	K17C	18	PK	3555249C1
26*@%	K17C	16	PK	3555249C1
27%	K98GN	18	GN	3555249C1
28%	K98YL	18	YL	3555249C1
29	PLUG	-	-	3527276C1
30	PLUG	-	-	3527276C1
31%	K92ER	18	TN	3555249C1
32	K17B	18	PK	3555249C1
33	PLUG	-	-	3527276C1
34	PLUG	-	-	3527276C1
35*	K13AA	12	PK	3557534C1
35*%	K13A	14	PK	3557534C1
36*%	K10-GE	12	WH	3557534C1
36*#	K11-GE	12	WH	3557534C1
37	PLUG	-	-	3527276C1
38	K14A	12	RD	3557534C1

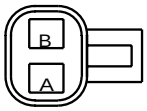
J1939
(7107 / &7110)
(LOCATED ON TRANSMISSION HARNESS)

CONNECTOR 1667741C1
BODY LOCK 1667771C1

CAV	CIR	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	K5TB(+)	18	YL	1661875C1	3568570C1
B	PLUG	-	-	2025431C1	-
C	K5TB(-)	18	GN	1661875C1	3568570C1

& W/ IBB AND CAT ENGINE
# W/ MANUAL XMSN
% W/ MERITOR-G XMSN
@ W/ AUTOSHIFT AND ULTRASHIFT XMSN

MERITOR G POWER (7111)
(LOCATED ON LEFT SIDE OF TRANSMISSION)
(W/ PROSTAR)



CONNECTOR 1671610C1
BODY LOCK 1671608C1

CAV	CIR	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	K13A	16	PK	2033819C1	1652325C1
B	K10-GX	16	WH	2033819C1	1652325C1

BACK-UP LIGHT
(7500 / &7500A)
(LOCATED ON TOP REAR OF TRANSMISSION)

CONNECTOR 1661778C1
BODY LOCK 1661874C1

CAV	CIR	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	K71A	16	OR	1661875C1	1661872C1
B	K71B	16	OR	1661875C1	1661872C1

& W/ IBB AND CAT ENGINE

CHK	DATE	CHANGE	REV	REFERENCE
CNA1	16JUN09	CONN 7105: ADDED IBB	D	61610P
		ENGINE CIRCUITS.		

DRAWN U00K640
NAME CIRCUIT DIAGRAM, PROSTAR, LONESTAR
RELEASE NO. 59637L
DATE 08SEP06
PART NO. AE08055906
SHEET 090

Figure 350 Connector Composites (7105), (7107/7110), (7111), (7500/7500A)

https://truckmanualshub.com/

14.122. CONNECTOR COMPOSITES (7500W), (7600), (7600A), (7616), P. 91

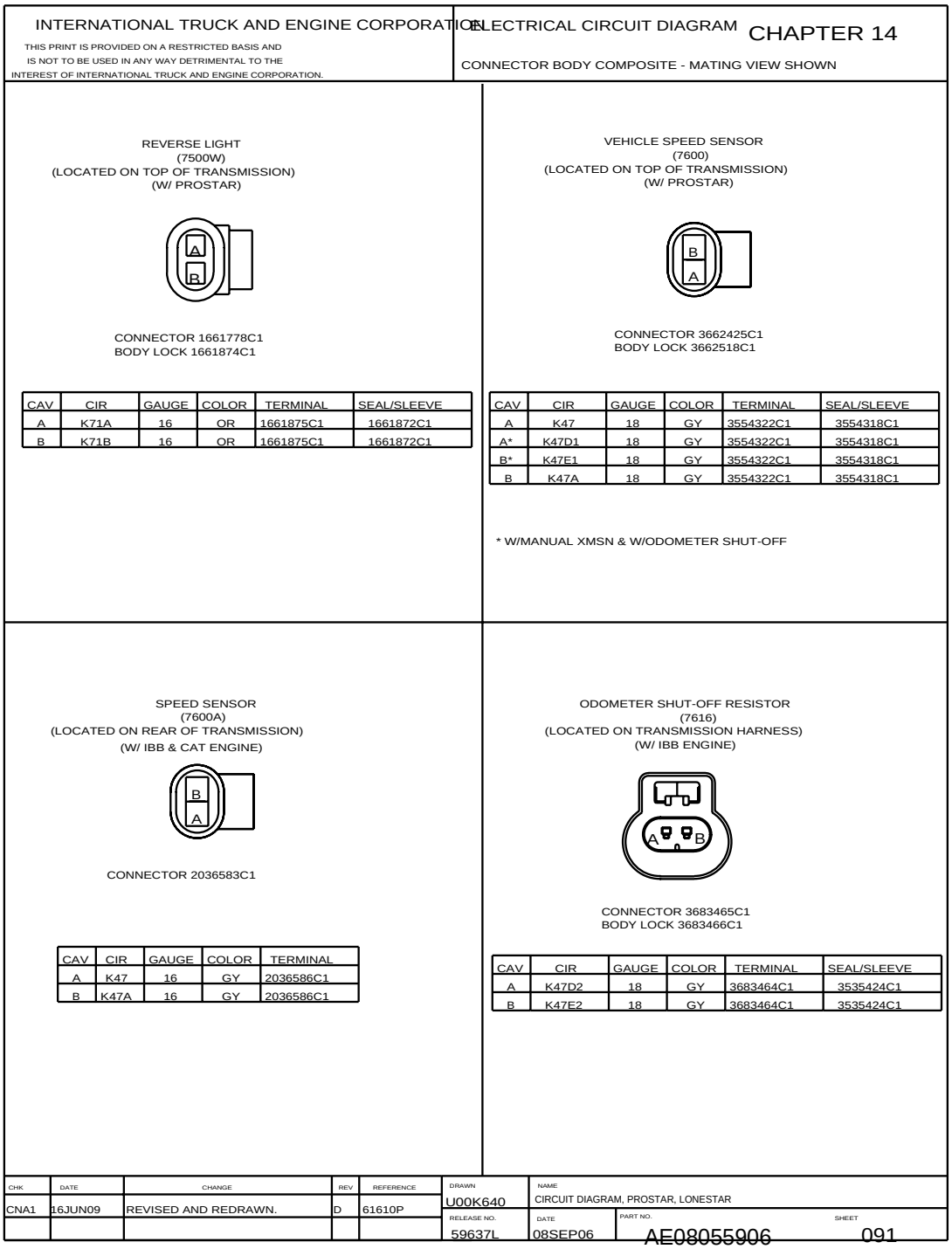


Figure 351 Connector Composites (7500W), (7600), (7600A), (7616)

https://truckmanualshub.com/

14.123. CONNECTOR COMPOSITES (7617), (7700/7700L/7700K), (7802), (7905), P. 91A

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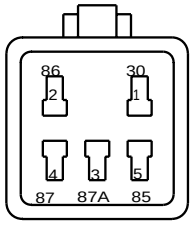
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 14

CONNECTOR BODY COMPOSITE - MATING VIEW SHOWN

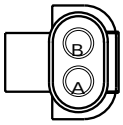
ODOMETER SHUT OFF RELAY
(7617)
(LOCATED ON LEFT SIDE OF TRANSMISSION)
(W/IBB ENGINE)



CONNECTOR 3512331C91

CAV	CIR	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
1	K47D	18	GY	2039343C1	3517771C1
2	K47TC	18	GY	2039343C1	3517771C1
3	K47D1	18	GY	2039343C1	3517771C1
4	K47D2	18	GY	2039343C1	3517771C1
5	K97FC	18	GY	2039343C1	3517771C1

NEUTRAL SWITCH
(7802)
(LOCATED ON TOP OF TRANSMISSION)

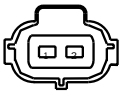


CONNECTOR 3593684C91
#3540054C91

CAV	CIR	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	K97J	18	VT	0587578C1	1652325C1
B	K97S	18	VT	0587578C1	1652325C1

W/ LONESTAR

TRANSMISSION OIL TEMP SENSOR
(7700 / **7700L / 7700K)
(LOCATED ON UNDERSIDE OF TRANSMISSION)

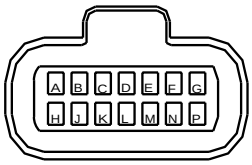


CONNECTOR 3536864C1

CAV	CIR	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
1	K31	18	TN	3536865C1	3536868C1
1**	K31H	18	TN	3561584C1	3536868C1
2&	K9AAD	18	GY	3536865C1	3536868C1
2*	K9AA	16	GY	3561584C1	3536868C1
2#	K9AC	18	GY	3561584C1	3536868C1
2@	K9AAD	18	GY	3561584C1	3536868C1
2**	K9AAD	18	GY	3561584C1	3536868C1

& W/ ISX ENGINE
* W/ IBB / CAT ENGINE N/ AC
@ W/ IBB ENGINE W/ AC
# W/ CAT ENGINE W/ AC
** W/ CAT ENGINE W/ FREEDOMLINE XMSN

SHIFTER CONNECTION
(7905)
(LOCATED ON SHIFTER MODULE)



CONNECTOR 3601746C1

CAV	CIR	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	PLUG	-	-	3535425C1	-
B	A92-G	16	WH	3535303C1	3535424C1
C	A92VA	16	TN	3535303C1	3535424C1
D	A92UA	18	TN	3535303C1	3535424C1
E	PLUG	-	-	3535425C1	-
F	A5FA(+)	18	YL	3535303C1	3535424C1
G	A5FA(-)	18	GN	3535303C1	3535424C1
H	PLUG	-	-	3535425C1	-
J	A62BE	18	DKBL	3535303C1	3535424C1
K	A9ZA	18	GY	3535303C1	3535424C1
L	A92	18	TN	3535303C1	3535424C1
M	PLUG	-	-	3535425C1	-
N	A92A	18	TN	3535303C1	3535424C1
P	A92B	18	TN	3535303C1	3535424C1

CHK	DATE	CHANGE	REV	REFERENCE
CNA1	16JUN09	INITIAL RELEASE.	A	61610P

DRAWN 310698
NAME CIRCUIT DIAGRAM, PROSTAR, LONESTAR
RELEASE NO. 61610P
DATE 06APR09
PART NO. AE08055906
SHEET 91A

Figure 352 Connector Composites (7617), (7700/7700L/7700K), (7802), (7905)

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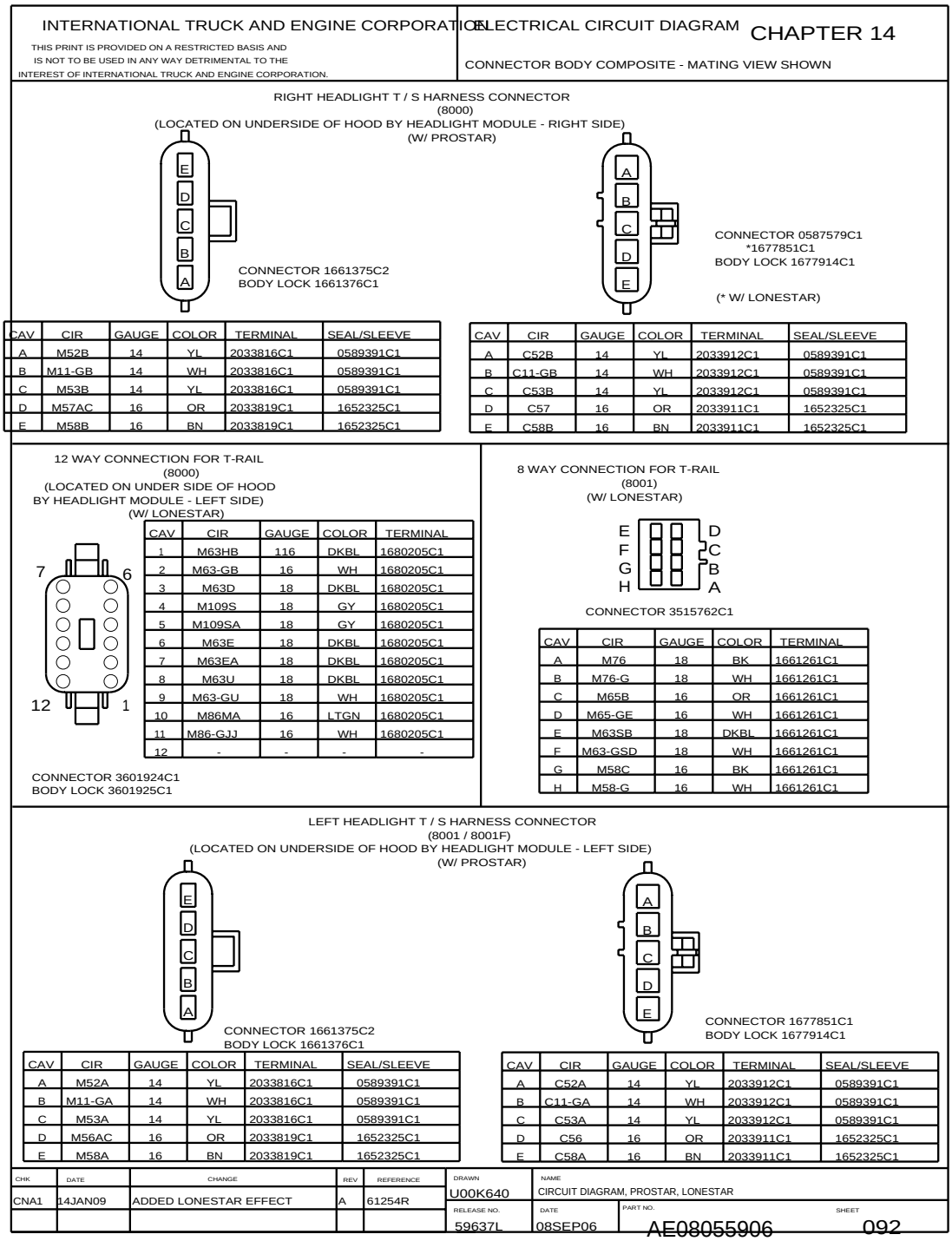
14.124. CONNECTOR COMPOSITES (8000), (8001), (8001/8001F), P. 92



CAV	CIR	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	M52B	14	YL	2033816C1	0589391C1
B	M11-GB	14	WH	2033816C1	0589391C1
C	M53B	14	YL	2033816C1	0589391C1
D	M57AC	16	OR	2033819C1	1652325C1
E	M58B	16	BN	2033819C1	1652325C1

CAV	CIR	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	C52B	14	YL	2033912C1	0589391C1
B	C11-GB	14	WH	2033912C1	0589391C1
C	C53B	14	YL	2033912C1	0589391C1
D	C57	16	OR	2033911C1	1652325C1
E	C58B	16	BN	2033911C1	1652325C1

CAV	CIR	GAUGE	COLOR	TERMINAL
1	M63HB	116	DKBL	1680205C1
2	M63-GB	16	WH	1680205C1
3	M63D	18	DKBL	1680205C1
4	M109S	18	GY	1680205C1
5	M109SA	18	GY	1680205C1
6	M63E	18	DKBL	1680205C1
7	M63EA	18	DKBL	1680205C1
8	M63U	18	DKBL	1680205C1
9	M63-GU	18	WH	1680205C1
10	M86MA	16	LTGN	1680205C1
11	M86-GJJ	16	WH	1680205C1
12	-	-	-	-

CAV	CIR	GAUGE	COLOR	TERMINAL
A	M76	18	BK	1661261C1
B	M76-G	18	WH	1661261C1
C	M65B	16	OR	1661261C1
D	M65-GE	16	WH	1661261C1
E	M63SB	18	DKBL	1661261C1
F	M63-GSD	18	WH	1661261C1
G	M58C	16	BK	1661261C1
H	M58-G	16	WH	1661261C1

CAV	CIR	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	M52A	14	YL	2033816C1	0589391C1
B	M11-GA	14	WH	2033816C1	0589391C1
C	M53A	14	YL	2033816C1	0589391C1
D	M56AC	16	OR	2033819C1	1652325C1
E	M58A	16	BN	2033819C1	1652325C1

CAV	CIR	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	C52A	14	YL	2033912C1	0589391C1
B	C11-GA	14	WH	2033912C1	0589391C1
C	C53A	14	YL	2033912C1	0589391C1
D	C56	16	OR	2033911C1	1652325C1
E	C58A	16	BN	2033911C1	1652325C1

Figure 353 Connector Composites (8000), (8001), (8001/8001F)

https://truckmanualshub.com/

14.125. CONNECTOR COMPOSITES (8002), (8003), (8006R), (8006T), (8050), (8051), P. 93

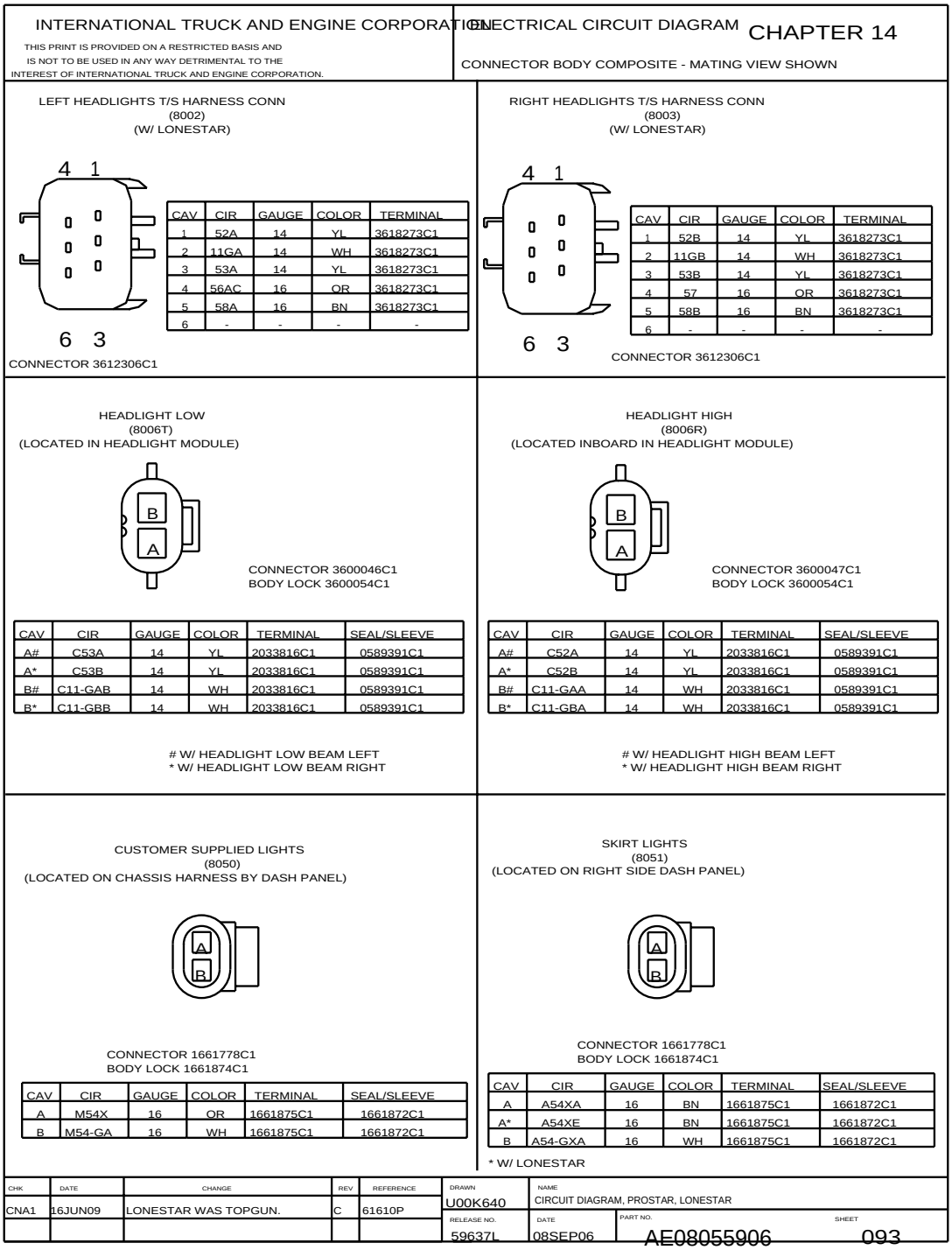


Figure 354 Connector Composites (8002), (8003), (8006R), (8006T), (8050), (8051)

https://truckmanualshub.com/

14.126. CONNECTOR COMPOSITES (8052), (8053), (8100), (8100A), (8100B), P. 93A

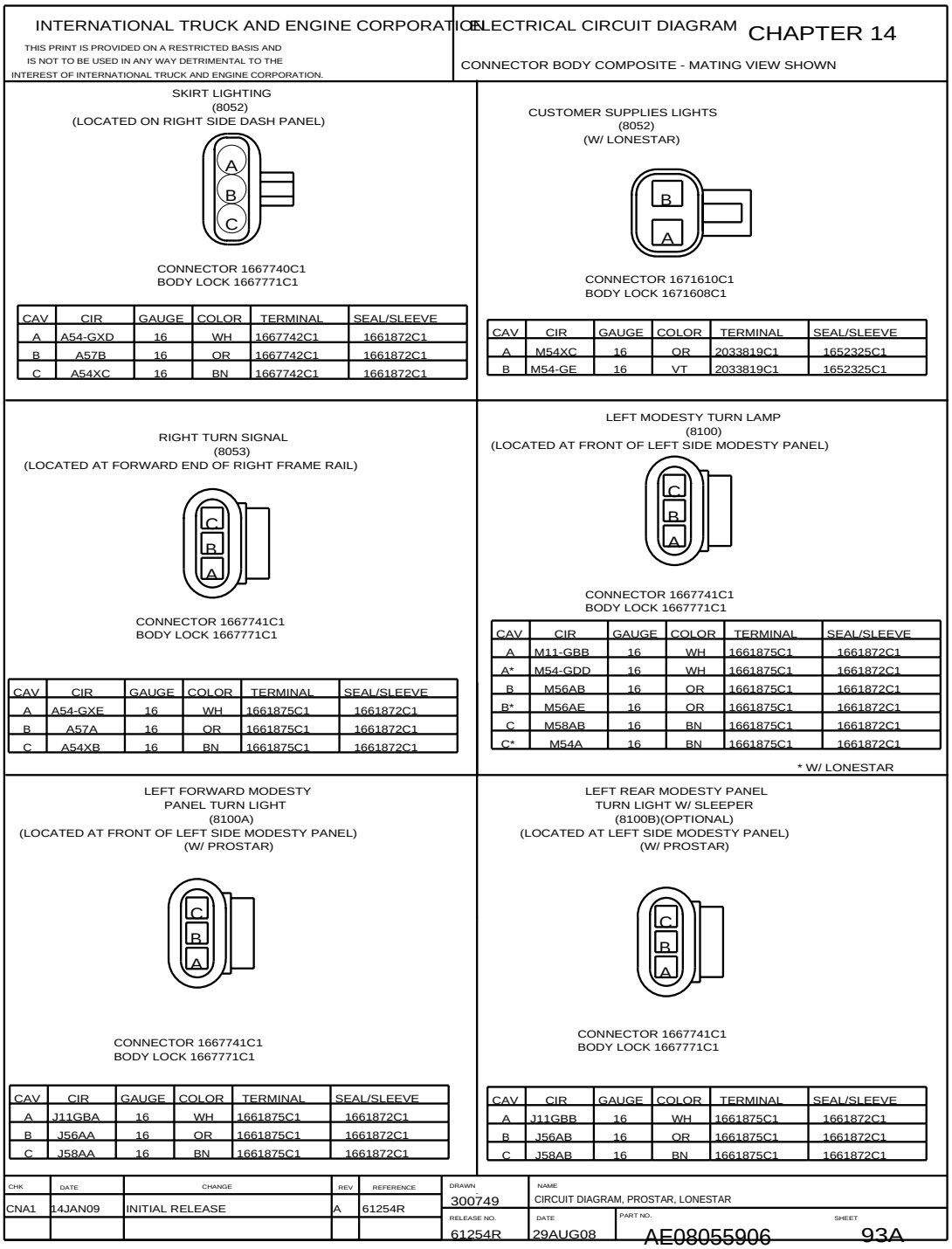


Figure 355 Connector Composites (8052), (8053), (8100), (8100A), (8100B)

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14.127. CONNECTOR COMPOSITES (8101), (8101A), (8101B), (8102), (8103), (8104), P. 94

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ELECTRICAL CIRCUIT DIAGRAM CHAPTER 14

CONNECTOR BODY COMPOSITE - MATING VIEW SHOWN

RIGHT MODESTY TURN LAMP
(8101)
(LOCATED AT FRONT OF RIGHT SIDE MODESTY PANEL)
(W/ PROSTAR)

CONNECTOR 1667741C1
BODY LOCK 1667771C1

CAV	CIR	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	M11-GBC	16	WH	1661875C1	1661872C1
B	M57AB	16	OR	1661875C1	1661872C1
C	M58AC	16	BN	1661875C1	1661872C1

RIGHT FORWARD MODESTY
PANEL TURN LIGHT
(8101A)
(LOCATED AT RIGHT SIDE MODESTY PANEL)
(W/ PROSTAR)

CONNECTOR 1667741C1
BODY LOCK 1667771C1

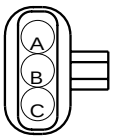
CAV	CIR	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	J11GAA	16	WH	1661875C1	1661872C1
B	J57AA	16	OR	1661875C1	1661872C1
C	J58BA	16	BN	1661875C1	1661872C1

RIGHT REAR MODESTY PANEL
TURN LIGHT W/ SLEEPER
(8101B)(OPTIONAL)
(LOCATED AT RIGHT SIDE MODESTY PANEL)
(W/ PROSTAR)

CONNECTOR 1667741C1
BODY LOCK 1667771C1

CAV	CIR	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	J11GAB	16	WH	1661875C1	1661872C1
B	J57AB	16	OR	1661875C1	1661872C1
C	J58BB	16	BN	1661875C1	1661872C1

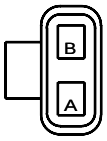
MODESTY LAMP / CUSTIMER SUPPLIED LIGHTS
(8102)
(LOCATED AT RIGHT SIDE MODESTY PANEL)
(W/ LONESTAR)



CONNECTOR 1667740C1
BODY LOCK 1667771C1

CAV	CIR	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	J-GCC	16	WH	1667742C1	1661872C1
B	J56AD	16	OR	1667742C1`	1661872C1
C	J54B	16	BN	1667742C1	1661872C1

TRANSMISSION FUSE
(8103)

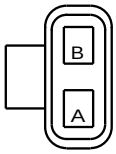


CONNECTOR 1667639C1
BODY LOCK 1675451C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A	K14A	12	RD	1661708C1
A#	K14AF	12	RD	1661708C1
B	K14D	12	RD	1661708C1
B#	K14A	12	RD	1661708C1

W/ CAT ENGINE

XMSN ECU LS
(8104)
(MOUNTED ON TRANSMISSION)
(W/ LONESTAR)



CONNECTOR 3552915C1

CAV	CIR	GAUGE	COLOR	TERMINAL
A	K14A	12	RD	1661708C1
B	K14D	12	RD	1661708C1

CHK	DATE	CHANGE	REV	REFERENCE
CNA1	14JAN09	ADDED LONESTAR EFFECT	D	61254R

DRAWN U00K640
NAME CIRCUIT DIAGRAM, PROSTAR, LONESTAR
RELEASE NO. 59637L
DATE 08SEP06
PART NO. AE08055906
SHEET 094

Figure 356 Connector Composites (8101), (8101A), (8101B), (8102), (8103), (8104)

https://truckmanualshub.com/

14.128. CONNECTOR COMPOSITES (8165), (8166), (8166T), (8200), (8201), (8203), P. 95

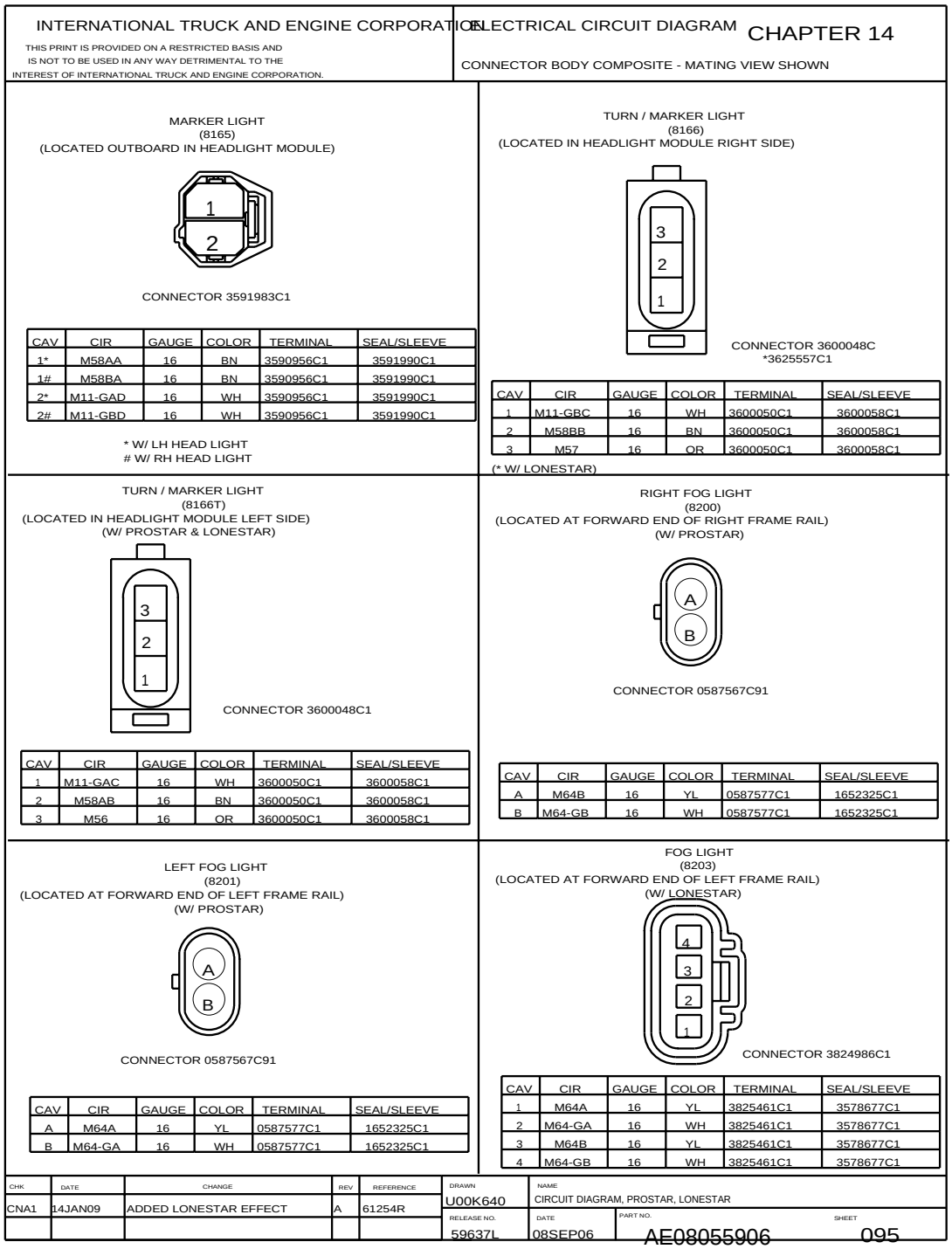


Figure 357 Connector Composites (8165), (8166), (8166T), (8200), (8201), (8203)

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14.129. CONNECTOR COMPOSITES (8303), (8310), (8311), (8312), P. 96

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ELECTRICAL CIRCUIT DIAGRAM CHAPTER 14

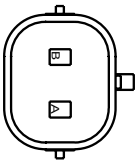
CONNECTOR BODY COMPOSITE - MATING VIEW SHOWN

ELECTRIC HORN
(8303)
(LOCATED ON LEFT FRAME RAIL UNDER ENGINE CROSSMEMBER)
(W/ PROSTAR & LONESTAR)

CAV	CIR	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	M85	16	GY	1661875C1	1661872C1
B	M85-GA	16	WH	1661875C1	1661872C1

CONNECTOR 1661778C1
BODY LOCK 1661874C1

DUAL ELECTRIC HORNS
(8310)
(LOCATED ON LEFT FRAME RAIL UNDER ENGINE CROSSMEMBER)
(W/ PROSTAR)



CAV	CIR	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	M85J	16	GY	1667742C1	1661872C1
B	M85-GC	16	WH	1667742C1	1661872C1

CONNECTOR 3543888C1
BODY LOCK 1661874C1

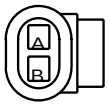
ELECTRIC HORN # 1
(8311)
(LOCATED UNDER ENGINE CROSSMEMBER)
(W/ PROSTAR)

CAV	CIR	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A*	M85J	16	GY	1661875C1	1661872C1
A**	M85K	16	GY	1661875C1	1661872C1
B*	M85-GC	16	WH	1661875C1	1661872C1
B**	M85-GD	16	WH	1661875C1	1661872C1

CONNECTOR 1661778C1
BODY LOCK 1661874C1

* W/ SINGLE HORN
** W/ DUAL HORN

ELECTRIC HORN # 2
(8312)
(LOCATED UNDER ENGINE CROSSMEMBER)
(W/ PROSTAR)



CAV	CIR	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	M85L	16	GY	1661875C1	1661872C1
B	M85-GE	16	WH	1661875C1	1661872C1

CONNECTOR 1661778C1
BODY LOCK 1661874C1

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
CNA1	20JAN09	TITLE WAS CIRCUIT	B	61254R	U00K640	CIRCUIT DIAGRAM, PROSTAR, LONESTAR
		DIAGRAM, PROSTAR			RELEASE NO. 59637L	DATE 08SEP06

PART NO. AE08055906 SHEET 096

Figure 358 Connector Composites (8303), (8310), (8311), (8312)

https://truckmanualshub.com/

14.130. CONNECTOR COMPOSITES (8350), (8351), (8352), (8410), (8450), P. 97

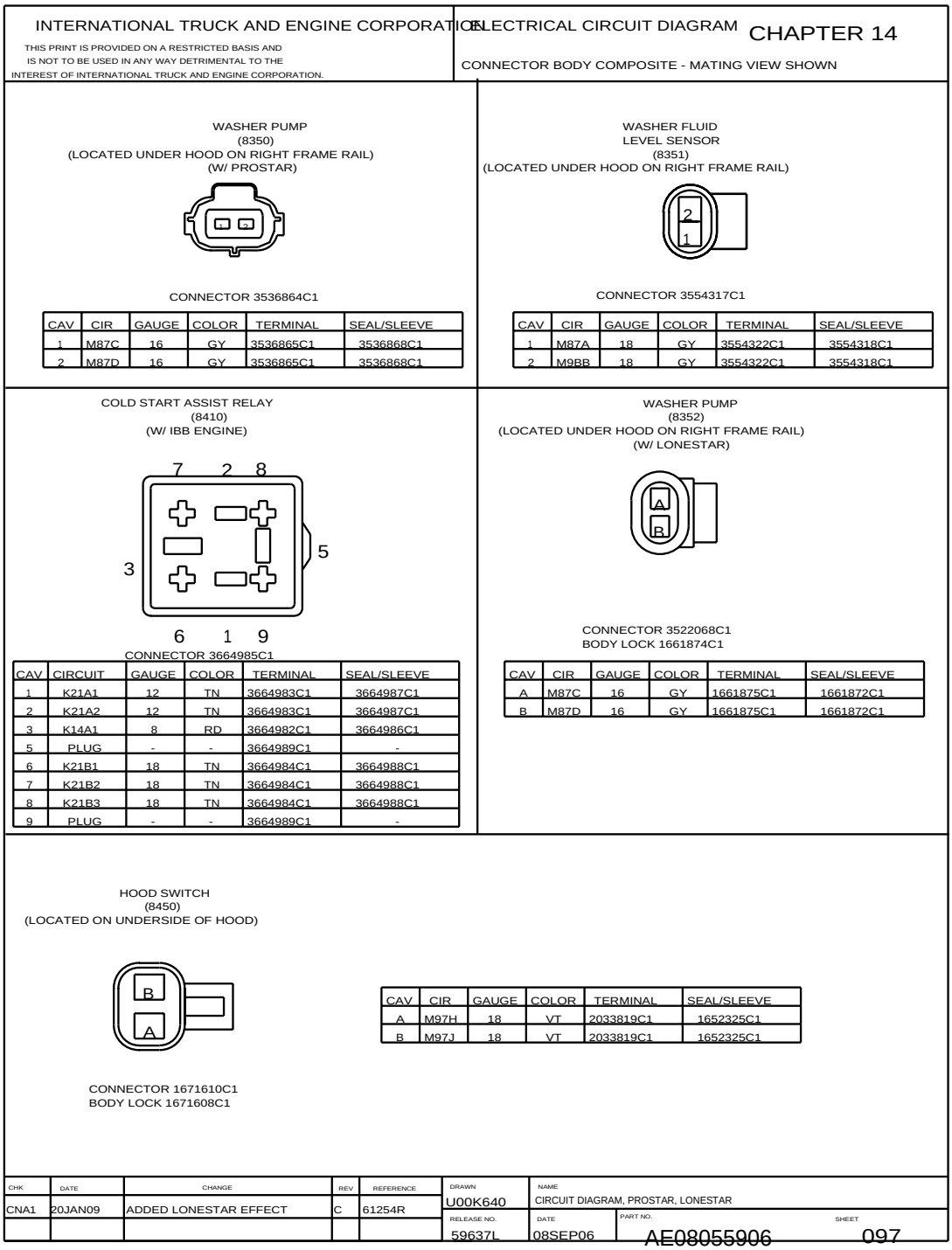


Figure 359 Connector Composites (8350), (8351), (8352), (8410), (8450)

https://truckmanualshub.com/

14.131. CONNECTOR COMPOSITES (8450A), (8450B), (8451), (8453), (8454), (8455), (8456), (8500), P. 98

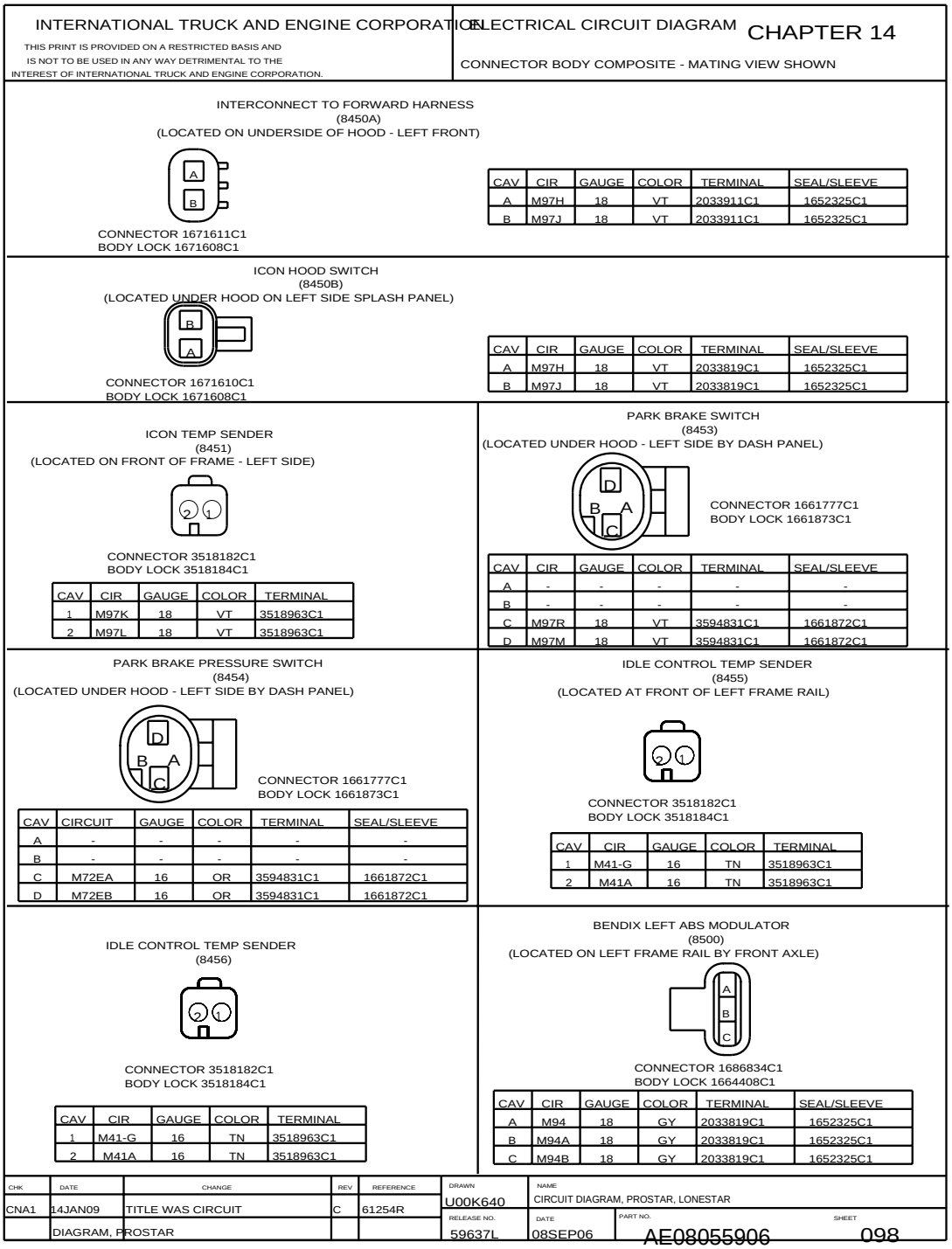


Figure 360 Connector Composites (8450A), (8450B), (8451), (8453), (8454), (8455), (8456), (8500)

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14.132. CONNECTOR COMPOSITES (8501), (8502), (8503), (8504), P. 99

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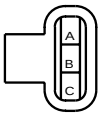
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 14

CONNECTOR BODY COMPOSITE - MATING VIEW SHOWN

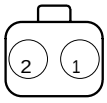
BENDIX RIGHT ABS MODULATOR
(8501)
(LOCATED ON RIGHT FRAME RAIL BY FRONT AXLE)



CONNECTOR 1686834C1
BODY LOCK 1664408C1

CAV	CIR	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	M94H	18	GY	2033819C1	1652325C1
B	M94J	18	GY	2033819C1	1652325C1
C	M94K	18	GY	2033819C1	1652325C1

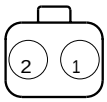
BENDIX LEFT AIR ABS SPEED SENSOR
(8502)
(LOCATED ON LEFT FRAME RAIL BY FRONT AXLE)



CONNECTOR 1684261C1
BODY LOCK 1684263C1

CAV	CIR	GAUGE	COLOR	TERMINAL
1	M94C	18	GY	1680205C1
2	M94D	18	GY	1680205C1

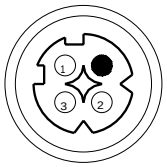
BENDIX RIGHT AIR ABS SPEED SENSOR
(8503)
(LOCATED ON RIGHT FRAME RAIL BY FRONT AXLE)



CONNECTOR 1684261C1
BODY LOCK 1684263C1

CAV	CIR	GAUGE	COLOR	TERMINAL
1	M94E	18	GY	1680205C1
2	M94F	18	GY	1680205C1

WABCO LEFT ABS MODULATOR
(8504)
(LOCATED ON LEFT FRAME RAIL BY FRONT AXLE)



CONNECTOR 3667691C1

CAV	CIR	GAUGE	COLOR	TERMINAL
1	M94M	18	GY	ASSY
2	M94MA	18	GY	ASSY
3	M94MB	18	GY	ASSY

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
CNA1	14JAN09	TITLE WAS CIRCUIT	B	61254R	U00K640	CIRCUIT DIAGRAM, PROSTAR, LONESTAR
	DIAGRAM, PROSTAR				RELEASE NO. 59637L	DATE 08SEP06

PART NO. AE08055906 SHEET 099

Figure 361 Connector Composites (8501), (8502), (8503), (8504)

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14.133. CONNECTOR COMPOSITES (8505), (8506), (8507), (8550), P. 100

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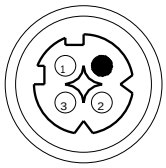
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 14

CONNECTOR BODY COMPOSITE - MATING VIEW SHOWN

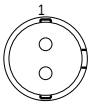
WABCO RIGHT ABS MODULATOR
(8505)
(LOCATED ON RIGHT FRAME RAIL BY FRONT AXLE)



CONNECTOR 366769C1

CAV	CIR	GAUGE	COLOR	TERMINAL
1	M94MH	18	GY	ASSY
2	M94MJ	18	GY	ASSY
3	M94MK	18	GY	ASSY

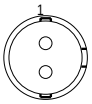
WABCO LEFT ABS SPEED SENSOR
(8506)
(LOCATED ON LEFT FRAME RAIL BY FRONT AXLE)



CONNECTOR 3519878C1

CAV	CIR	GAUGE	COLOR	TERMINAL
1	M94MC	18	GY	ASSY
2	M94MD	18	GY	ASSY

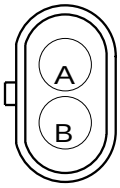
WABCO RIGHT ABS SPEED SENSOR
(8507)
(LOCATED ON ROGHT FRAME RAIL BY FRONT AXLE)



CONNECTOR 3526351C1

CAV	CIR	GAUGE	COLOR	TERMINAL
1	M94ME	18	GY	ASSY
2	M94MF	18	GY	ASSY

FUEL HEATER
(8550)
(LOCATED ON LEFT FRAME RAIL ON FUEL FILTER)



CONNECTOR 0587567C91
#CONNECTOR 3824963C91

CAV	CIR	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	M19	14	GY	0587577C1	0589391C1
B	M19-GA	14	WH	0587577C1	0589391C1

W/ LONESTAR

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
CNA1	14JAN09	ADDED LONESTAR EFFECT	B	61254R	U00K640	CIRCUIT DIAGRAM, PROSTAR, LONESTAR
					RELEASE NO. 59637L	DATE 08SEP06

PART NO. AE08055906 SHEET 100

Figure 362 Connector Composites (8505), (8506), (8507), (8550)

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14.134. CONNECTOR COMPOSITES (8601), (8750), (8800), (8802), P. 101

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ELECTRICAL CIRCUIT DIAGRAM CHAPTER 14

CONNECTOR BODY COMPOSITE - MATING VIEW SHOWN

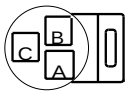
HVAC TEMP SENDER
(8601)
(LOCATED AT FRONT OF LEFT FRAME RAIL)

CONNECTOR 3522068C1
BODY LOCK 1661874C1

CAV	CIR	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	M41	18	GY	1661875C1	1661872C1
B	M109A	18	GY	1661875C1	1661872C1
B*	M109AA	18	GY	1661875C1	1661872C1

* W/ FRONT LOAD INDICATOR

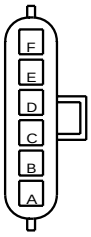
FRONT LOAD INDICATOR
(8750)
(LOCATED AT FRONT LEFT SUSPENSION AIR BAG)



CONNECTOR 1678137C1

CAV	CIR	GAUGE	COLOR	TERMINAL
A	M109AB	18	GY	1651943C1
B	M106A	18	GY	1651943C1
C	M61	18	GY	1651943C1

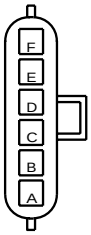
GROUND SPLICE PACK # 1
(8800)
(LOCATED ON LEFT FRAME RAIL BY ENGINE CROSSMEMBER)



CONNECTOR 3551896C1
BODY LOCK 3551897C1

CAV	CIR	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	M11-GD	12	WH	2033816C1	0589390C1
B	M64-GA	16	WH	2033819C1	1652325C1
C	M64-GB	16	WH	2033819C1	1652325C1
D	M19-GA	14	WH	2033816C1	0589391C1
E	M54-GA	16	WH	2033819C1	1652325C1
F	M85-GA	16	WH	2033819C1	1652325C1

ELECTRONIC GND SPLICE PACK
(8802)
(LOCATED ON LEFT FRAME RAIL UNDER CAB)



CONNECTOR 3551896C1
BODY LOCK 3551897C1

CAV	CIR	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	N9BC	18	GY	2033819C1	1652325C1
B	N9BD	18	GY	2033819C1	1652325C1
C	N9BE	18	GY	2033819C1	1652325C1
D	N9BF	18	GY	2033819C1	1652325C1
E	PLUG	-	-	0587579C1	-
F	PLUG	-	-	0587579C1	-

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
CNA1	14JAN09	TITLE WAS CIRCUIT	A	61254R	U00K640	CIRCUIT DIAGRAM, PROSTAR, LONESTAR
		DIAGRAM, PROSTAR			RELEASE NO. 59637L	DATE 11SEP06

PART NO. AE08055906 SHEET 101

Figure 363 Connector Composites (8601), (8750), (8800), (8802)

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14.135. CONNECTOR COMPOSITES (8803), (8804), (8805), (8806), P. 102

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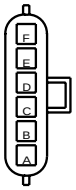
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 14

CONNECTOR BODY COMPOSITE - MATING VIEW SHOWN

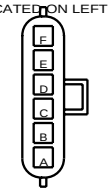
CHASSIS GND ADAPTER
(8803)
(LOCATED ON LEFT FRAME RAIL UNDER CAB)



CAV	CIR	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	N11-GA	10	WH	1687847C1	0589390C1
B	N10-G	12	WH	2033816C1	0589391C1
C	N59-GB	16	WH	2033819C1	1652325C1
D	N37-G	18	WH	2033819C1	1652325C1
E	N39-G	16	WH	2033819C1	1652325C1
F	N11-GJ	16	WH	2033819C1	1652325C1

CONNECTOR 3551896C1
BODY LOCK 3551897C1

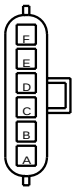
CHASSIS GND ADAPTER
(8804)
(LOCATED ON LEFT FRAME RAIL UNDER CAB)



CAV	CIR	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	N11-GB	10	WH	1687847C1	0589390C1
B	N59-G	14	WH	2033816C1	0589391C1
C	N59-GA	14	WH	2033816C1	0589391C1
D	N49-G	18	WH	2033819C1	1652325C1
E	N65-G	16	WH	2033819C1	1652325C1
F	N65-GA	14	WH	2033816C1	0589391C1

CONNECTOR 3551896C1
BODY LOCK 3551897C1

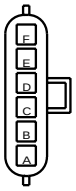
ELECTRONIC GROUND ADAPTER
(8805)
(LOCATED ON CENTRE CHASSIS HARNESS, BOTTOM OF DASH PANEL)



CAV	CIR	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	N110Z	16	TN	2033819C1	1652325C1
B	N108ZA	16	TN	2033819C1	1652325C1
C	N108ZB	16	TN	2033819C1	1652325C1
D	N108Z	16	TN	2033819C1	1652325C1
E	PLUG	-	-	0587579C1	-
F	PLUG	-	-	0587579C1	-

CONNECTOR 3551896C1
BODY LOCK 3551897C1

CHASSIS GROUND ADAPTER
(8806)
(LOCATED ON LEFT FRAME RAIL BY AIR DRYER)



CAV	CIR	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	N107-GB	18	TN	2033819C1	3517771C1
B	N107-GA	18	TN	2033819C1	1652325C1
C	N107-GC	18	TN	2033819C1	1652325C1
D	N11-GU	16	WH	2033819C1	1652325C1
E	N11-GJ	16	WH	2033819C1	1652325C1
F	PLUG	-	-	0587579C1	-

CONNECTOR 3551896C1
BODY LOCK 3551897C1

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
CNA1	14JAN09	TITLE WAS CIRCUIT	B	61254R	U00K640	CIRCUIT DIAGRAM, PROSTAR, LONESTAR
		DIAGRAM, PROSTAR			RELEASE NO. 59637L	DATE 11SEP06

PART NO. AE08055906 SHEET 102

Figure 364 Connector Composites (8803), (8804), (8805), (8806)

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14.136. CONNECTOR COMPOSITES (8900), (8901), (8902), (8950), (8951), P. 103

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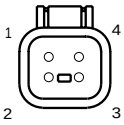
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 14

CONNECTOR BODY COMPOSITE - MATING VIEW SHOWN



EATON VORAD ANTENNA ASSEMBLY
(8900)
(LOCATED CENTER OF BUMPER SUPPORT BRACKET)
(W/ PROSTAR)

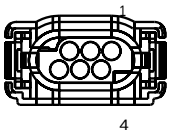
CONNECTOR 3545577C1
BODY LOCK 3545579C1

CAV	CIR	GAUGE	COLOR	TERMINAL
1	M67B	16	GY	1651969C1
2	M67C	16	GY	1651969C1
3	M67D	16	GY	1651969C1
4	M67E	16	GY	1651969C1

EATON VORAD VS - 400
(8901)
(LOCATED CENTER OF BUMPER SUPPORT BRACKET)

CONNECTOR 3673402C1

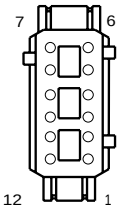
CAV	CIR	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
1	PLUG	-	-	3577744C1	-
2	PLUG	-	-	3577744C1	-
3	PLUG	-	-	3577744C1	-
4	M5UE(+)	18	YL	3673404C1	3573653C1
5	M5UE(-)	18	GN	3673404C1	3573653C1
6	PLUG	-	-	3577744C1	-
7	PLUG	-	-	3577744C1	-
8	PLUG	-	-	3577744C1	-
9	M67-GY	18	WH	3673404C1	3573653C1
10	M67Y	18	PK	3673404C1	3573653C1



WABCO ONGUARD
(8902)
(LOCATED CENTER OF BUMPER SUPPORT BRACKET)

CONNECTOR 3702847C1

CAV	CIR	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
1	M67CA	20	PK	3702881C1	3600327C1
2	PLUG			3600328C1	-
3	PLUG			3600328C1	-
4	M5UF(+)	20	YL	3702881C1	3600327C1
5	M5UF(-)	20	GN	3702881C1	3600327C1
6	M67Y-GA	20	WH	3702881C1	3600327C1

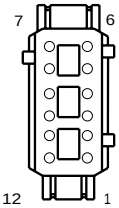


VEHICLE SENSOR MOD CONNECTOR 1
(8950)
(LOCATED ON CAB SUPPORT CROSSMEMBER (DAY CAB) OR UNDER CAB CROSSMEMBER (SLEEPER))

CONNECTOR 3553404C1
BODY LOCK 3553460C1

* W/ VORAD VS-400 (TG)
** w/ FUEL FILTER SENSOR (TG)

CAV	CIR	GAUGE	COLOR	TERMINAL
1	PLUG	-	-	3527276C1
2	PLUG	-	-	3527276C1
3	PLUG	-	-	3527276C1
4	PLUG	-	-	3527276C1
5	N5UA(+)	18	YL	3518963C1
5*	N5UD(+)	18	YL	3518963C1
6	N5UA(-)	18	GN	3518963C1
6*	N5UD(-)	18	GN	3518963C1
7	N11-GU	16	WH	3518963C1
8	N14U	16	RD	3518963C1
9**	N12UB	16	PK	3518963C1
9	N12U	16	PK	3518963C1
10	N108Z	16	TN	3518963C1
11	N108V	16	TN	3518963C1
12	N110B	18	TN	3518963C1



VEHICLE SENSOR MOD CONNECTOR 1
(8951)
(LOCATED ON CAB SUPPORT CROSSMEMBER (DAY CAB) OR UNDER CAB CROSSMEMBER (SLEEPER))

CONNECTOR 3586750C1
BODY LOCK 3553460C1

CAV	CIR	GAUGE	COLOR	TERMINAL
1	N107C	18	TN	3518963C1
2	N107B	18	TN	3518963C1
3	N107A	18	TN	3518963C1
4	PLUG	-	-	3527276C1
5	N108A	18	TN	3518963C1
6	N108B	18	TN	3518963C1
7	N108C	18	TN	3518963C1
8	N108D	18	TN	3518963C1
9	N108E	18	TN	3518963C1
10	N108F	18	TN	3518963C1
11	PLUG	-	-	3527276C1
12	PLUG	-	-	3527276C1

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
CNA1	07OCT09	W484//ADDED CONN 8902.	C	62556A	U00K640	CIRCUIT DIAGRAM, PROSTAR, LONESTAR
					RELEASE NO. 59637L	DATE 11SEP06

PART NO. AE08055906 SHEET 103

Figure 365 Connector Composites (8900), (8901), (8902), (8950), (8951)

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14.137. CONNECTOR COMPOSITES (8952), (8953/8954M/8953F), P. 104

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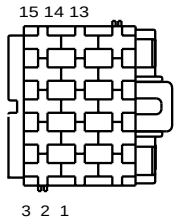
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 14

CONNECTOR BODY COMPOSITE - MATING VIEW SHOWN

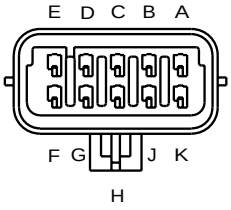
TIRE PRESSURE MONITORING SYSTEM (TPMS)CONTROLLER (8952) (LOCATED ON MODULE BRACKET (IN CAM)) (W/ PROSTAR)



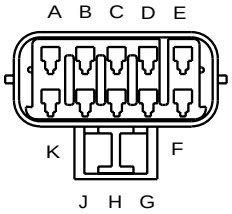
BODY LOCK 3596928C1

CAV	CIR	GAUGE	COLOR	TERMINAL
1	D22-G	18	WH	3598072C1
2	D22E	18	TN	3598072C1
3	D22D	18	TN	3598072C1
4	D22C	18	TN	3598072C1
5	D22B	18	TN	3598072C1
6	D22A	18	TN	3598072C1
7	D22VC	18	TN	3598072C1
8	D22VB	18	TN	3598072C1
9	D22VA	18	TN	3598072C1
10	D22ZA	18	TN	3598072C1
11	D22ZB	18	TN	3598072C1
12	D22ZC	18	TN	3598072C1
13	D5 (+)	18	GN	3598072C1
14	-	-	-	-
15	D5 (-)	18	YL	3598072C1

FORWARD / CENTER PROGNOSTICS & DIAGNOSTICS (8953 / #8954M / #8953F) (LOCATED ON LEFT SIDE DASH PANEL)



CONNECTOR 3538635C1
BODY LOCK 3538636C1



CONNECTOR 3538635C1
BODY LOCK 3538636C1

CAV	CIR	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	M108A	18	TN	1667742C1	1661872C1
B	M108VA	16	TN	1667742C1	1661872C1
C	M108B	18	TN	1667742C1	1661872C1
D	M110V	16	TN	1667742C1	1661872C1
E	-	-	-	-	-
F	M110A	18	TN	1667742C1	1661872C1
G	M107A	18	TN	1667742C1	1661872C1
H	M107-GA	18	TN	1667742C1	1661872C1
J	M108ZA	16	TN	1667742C1	1661872C1
K	M110ZA	18	TN	1667742C1	1661872C1

CAV	CIR	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	N108A	18	TN	1661875C1	1661872C1
B	N108VA	16	TN	1661875C1	1661872C1
C	N108B	18	TN	1661875C1	1661872C1
D	N110V	16	TN	1661875C1	1661872C1
E	-	-	-	-	-
F	N110B	18	TN	1661875C1	1661872C1
G	N107A	18	TN	1661875C1	1661872C1
H	N107-GA	18	TN	1661875C1	1661872C1
J	N108ZA	16	TN	1661875C1	1661872C1
K	N110Z	16	TN	1661875C1	1661872C1

W/ LONESTAR

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
CNA1	14JAN09	ADDED LONESTAR EFFECT	B	61254R	U00K640	CIRCUIT DIAGRAM, PROSTAR, LONESTAR
					RELEASE NO. 59637L	DATE 11SEP06

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Figure 366 Connector Composites (8952), (8953/8954M/8953F)

https://truckmanualshub.com/

14.138. CONNECTOR COMPOSITES (8954), (8954M), (8960), (8961), (8962), P. 105

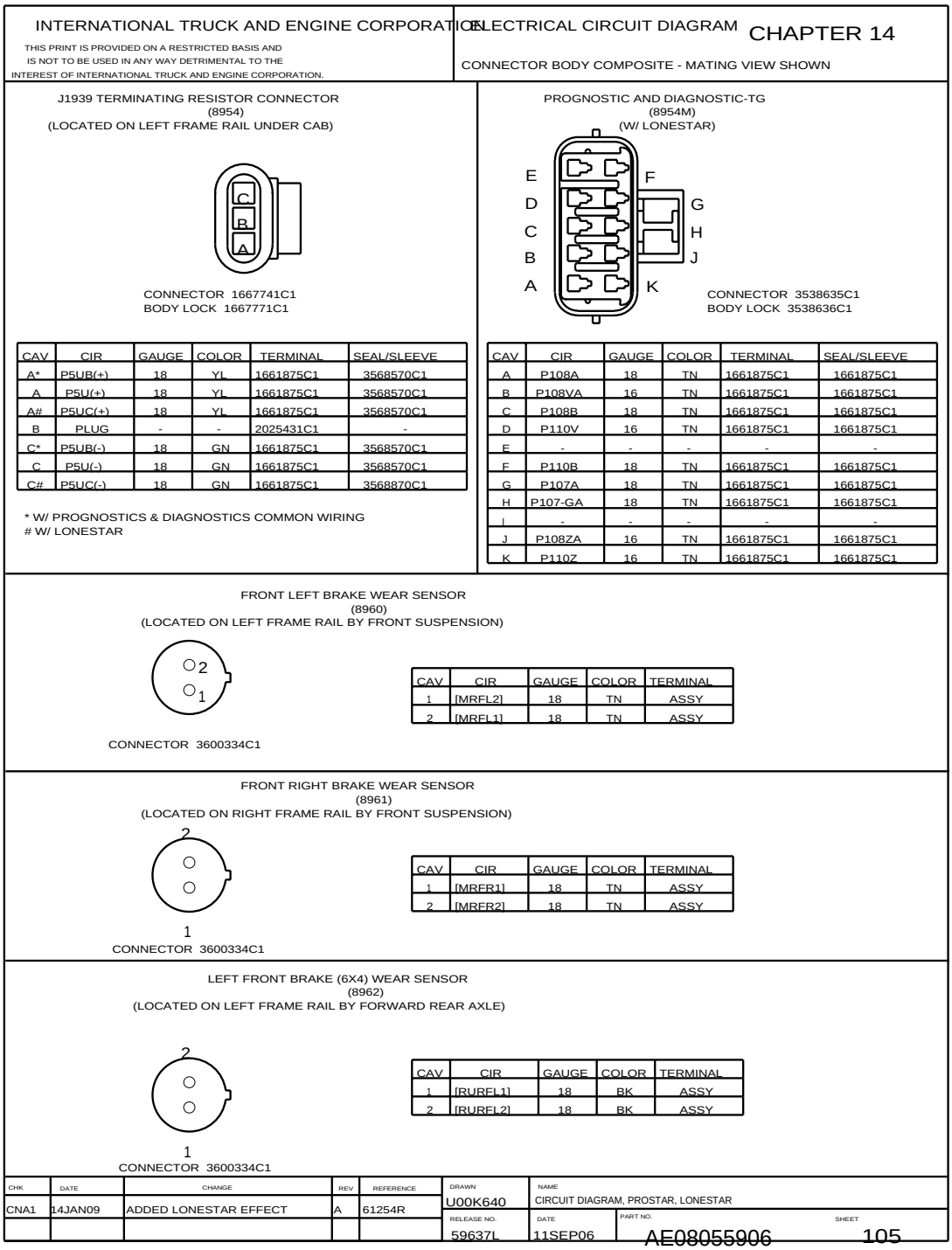

Figure 367 Connector Composites (8954), (8954M), (8960), (8961), (8962)

https://truckmanualshub.com/

14.139. CONNECTOR COMPOSITES (8963), (8964), (8965), (8966), (8967), P. 106

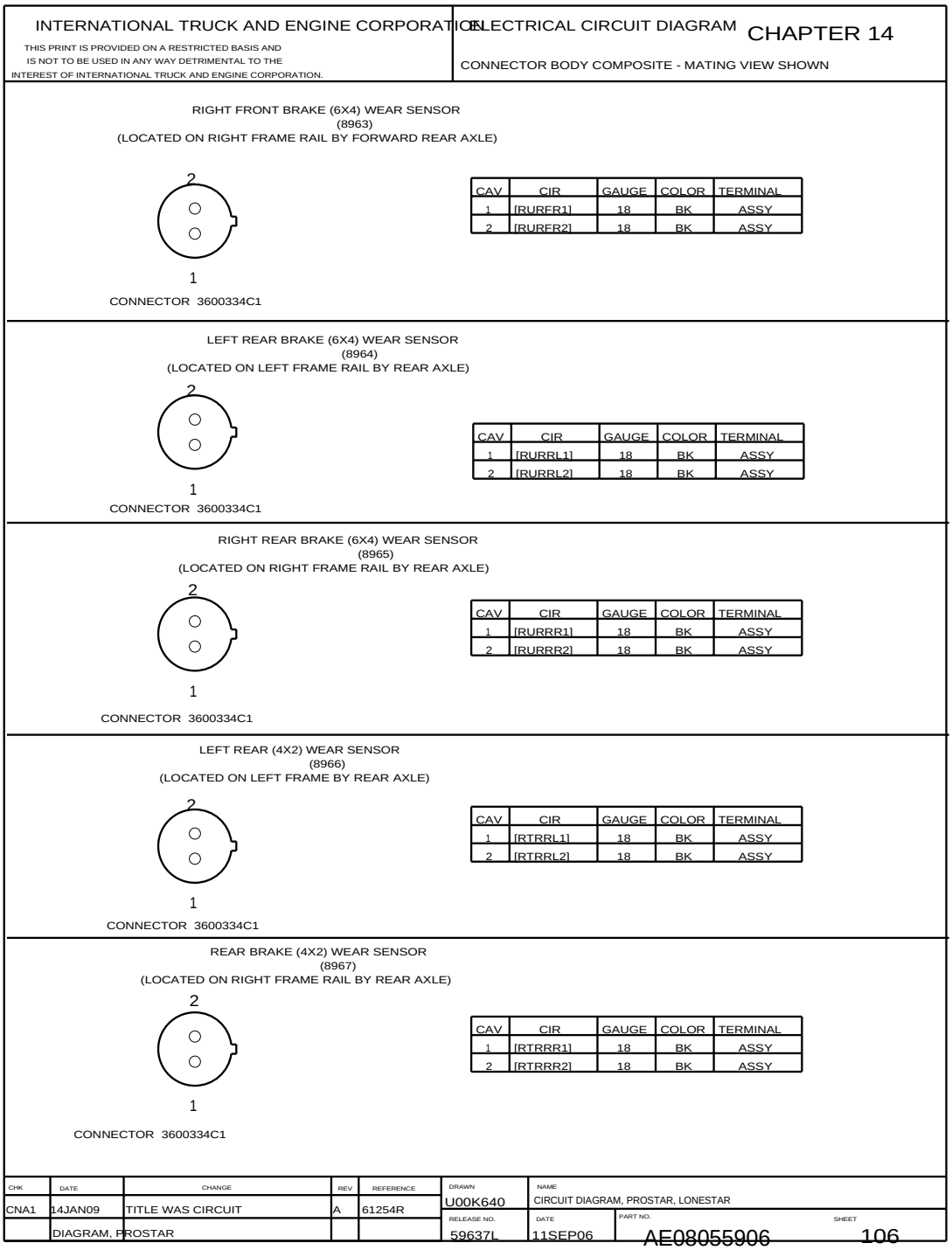

Figure 368 Connector Composites (8963), (8964), (8965), (8966), (8967)

https://truckmanualshub.com/

14.140. CONNECTOR COMPOSITES (8970), (8971), (8972), (8973), P. 107

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ELECTRICAL CIRCUIT DIAGRAM CHAPTER 14

CONNECTOR BODY COMPOSITE - MATING VIEW SHOWN

FRONT LEFT BRAKE STROKE
(8970)
(LOCATED ON LEFT FRAME RAIL BY FRONT AXLE)

CAV	CIR	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	M108VD	18	TN	1661875C1	1661872C1
B	M108ZD	18	TN	1661875C1	1661872C1
C	M108A	18	TN	1661875C1	1661872C1

CONNECTOR 1667741C1
BODY LOCK 1667771C1

FRONT RIGHT BRAKE STROKE
(8971)
(LOCATED ON RIGHT FRAME RAIL BY FRONT AXLE)

CAV	CIR	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	M108VC	18	TN	1661875C1	1661872C1
B	M108ZC	18	TN	1661875C1	1661872C1
C	M108B	18	TN	1661875C1	1661872C1

CONNECTOR 1667741C1
BODY LOCK 1667771C1

LEFT FR BRAKE STROKE (6X4)
(8972)
(LOCATED ON LEFT FRAME RAIL BY FORWARD REAR AXLE)

CAV	CIR	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	R108VE	18	TN	1661875C1	1661872C1
B	R108ZE	18	TN	1661875C1	1661872C1
C	R108E	18	TN	1661875C1	1661872C1

CONNECTOR 1667741C1
BODY LOCK 1667771C1

RIGHT FR BRAKE STROKE (6X4)
(8973)
(LOCATED ON RIGHT FRAME RAIL BY FORWARD REAR AXLE)

CAV	CIR	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	R108VL	18	TN	1661875C1	1661872C1
B	R108ZL	18	TN	1661875C1	1661872C1
C	R108F	18	TN	1661875C1	1661872C1

CONNECTOR 1667741C1
BODY LOCK 1667771C1

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
CNA1	14JAN09	TITLE WAS CIRCUIT	A	61254R	U00K640	CIRCUIT DIAGRAM, PROSTAR, LONESTAR
	DIAGRAM, PROSTAR				RELEASE NO. 59637L	DATE 11SEP06

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Figure 369 Connector Composites (8970), (8971), (8972), (8973)

https://truckmanualshub.com/

14.141. CONNECTOR COMPOSITES (8974), (8975), (8976), (8977), P. 108

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ELECTRICAL CIRCUIT DIAGRAM CHAPTER 14

CONNECTOR BODY COMPOSITE - MATING VIEW SHOWN

LEFT REAR BRAKE STROKE (6X4)
(8974)
(LOCATED ON LEFT FRAME RAIL BY REAR AXLE)

CONNECTOR 1667741C1
BODY LOCK 1667771C1

CAV	CIR	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	R108VH	18	TN	1661875C1	1661872C1
B	R108ZH	18	TN	1661875C1	1661872C1
C	R108CA	18	TN	1661875C1	1661872C1

RIGHT REAR BRAKE STROKE (6X4)
(8975)
(LOCATED ON RIGHT RAIL FRAME BY RAER AXLE)

CONNECTOR 1667741C1
BODY LOCK 1667771C1

CAV	CIR	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	R108VJ	18	TN	1661875C1	1661872C1
B	R108ZJ	18	TN	1661875C1	1661872C1
C	R108DA	18	TN	1661875C1	1661872C1

LEFT REAR BRAKE STROKE (4X2)
(8976)
(LOCATED ON LEFT FRAME RAIL BY REAR AXLE)

CONNECTOR 1667741C1
BODY LOCK 1667771C1

CAV	CIR	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	R108VF	18	TN	1661875C1	1661872C1
B	R108ZF	18	TN	1661875C1	1661872C1
C	R108C	18	TN	1661875C1	1661872C1

RIGHT REAR BRAKE STROKE (4X2)
(8977)
(LOCATED ON RIGHT FRAME RAIL BY REAR AXLE)

CONNECTOR 1667741C1
BODY LOCK 1667771C1

CAV	CIR	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	R108VK	18	TN	1661875C1	1661872C1
B	R108ZK	18	TN	1661875C1	1661872C1
C	R108D	18	TN	1661875C1	1661872C1

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
CNA1	14JAN09	TITLE WAS CIRCUIT	A	61254R	U00K640	CIRCUIT DIAGRAM, PROSTAR, LONESTAR
		DIAGRAM, PROSTAR			RELEASE NO. 59637L	DATE 11SEP06

PART NO. AE08055906 SHEET 108

Figure 370 Connector Composites (8974), (8975), (8976), (8977)

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14.142. CONNECTOR COMPOSITES (8980), (8981), (8982), (8983), (8984), P. 109

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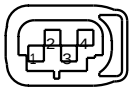
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 14

CONNECTOR BODY COMPOSITE - MATING VIEW SHOWN

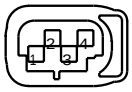
FRONT TIRE PRESSURE MONITOR
(8980)
(LOCATED ON ENGINE CROSS MEMBER)



CONNECTOR 3600324C1

CAV	CIR	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
1	M22ZA	20	TN	3600325C1	3600327C1
2	M22VA	20	TN	3600325C1	3600327C1
3	M22A	20	TN	3600325C1	3600327C1
4	PLUG	-	-	3600328C1	-

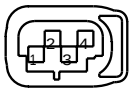
LEFT REAR TIRE PRESSURE MONITOR
(8981)
(LOCATED ON LEFT FRAME RAIL BY REAR AXLE(S))



CONNECTOR 3600324C1

CAV	CIR	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
1	R22ZB	20	TN	3600325C1	3600327C1
2	R22VB	20	TN	3600325C1	3600327C1
3	R22B	20	TN	3600325C1	3600327C1
4	PLUG	-	-	3600328C1	-

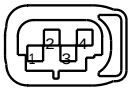
RIGHT REAR TIRE PRESSURE MONITOR
(8982)
(LOCATED ON RIGHT FRAME RAIL BY REAR AXLE(S))



CONNECTOR 3600324C1

CAV	CIR	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
1	R22ZC	20	TN	3600325C1	3600327C1
2	R22VC	20	TN	3600325C1	3600327C1
3	R22C	20	TN	3600325C1	3600327C1
4	PLUG	-	-	3600328C1	-

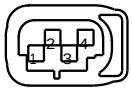
LEFT REAR TIRE PRESSURE MONITOR(6X4)
(8983)
(LOCATED ON RIGHT FRAME RAIL BY REAR AXLE(S))
(W/ LONESTAR)



CONNECTOR 3600324C1

CAV	CIR	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
1	R22ZB	20	TN	3600325C1	3600327C1
2	R22VB	20	TN	3600325C1	3600327C1
3	R22B	20	TN	3600325C1	3600327C1
4	PLUG	-	-	3600328C1	-

RIGHT REAR TIRE PRESSURE MONITOR(6X4)
(8984)
(LOCATED ON RIGHT FRAME RAIL BY REAR AXLE(S))
(W/ LONESTAR)



CONNECTOR 3600324C1

CAV	CIR	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
1	R22ZB	20	TN	3600325C1	3600327C1
2	R22VC	20	TN	3600325C1	3600327C1
3	R22C	20	TN	3600325C1	3600327C1
4	PLUG	-	-	3600328C1	-

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
CNA1	14JAN09	ADDED LONESTAR EFFECT	A	61254R	U00K640	CIRCUIT DIAGRAM, PROSTAR, LONESTAR
					RELEASE NO. 59637L	DATE 11SEP06

PART NO. AE08055906 SHEET 109

Figure 371 Connector Composites (8980), (8981), (8982), (8983), (8984)

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14.143. CONNECTOR COMPOSITES (8990), (9100/9100A/9100B/9100C), (9102/9102A) (9103), (9303A/9303E/9303D), P. 110

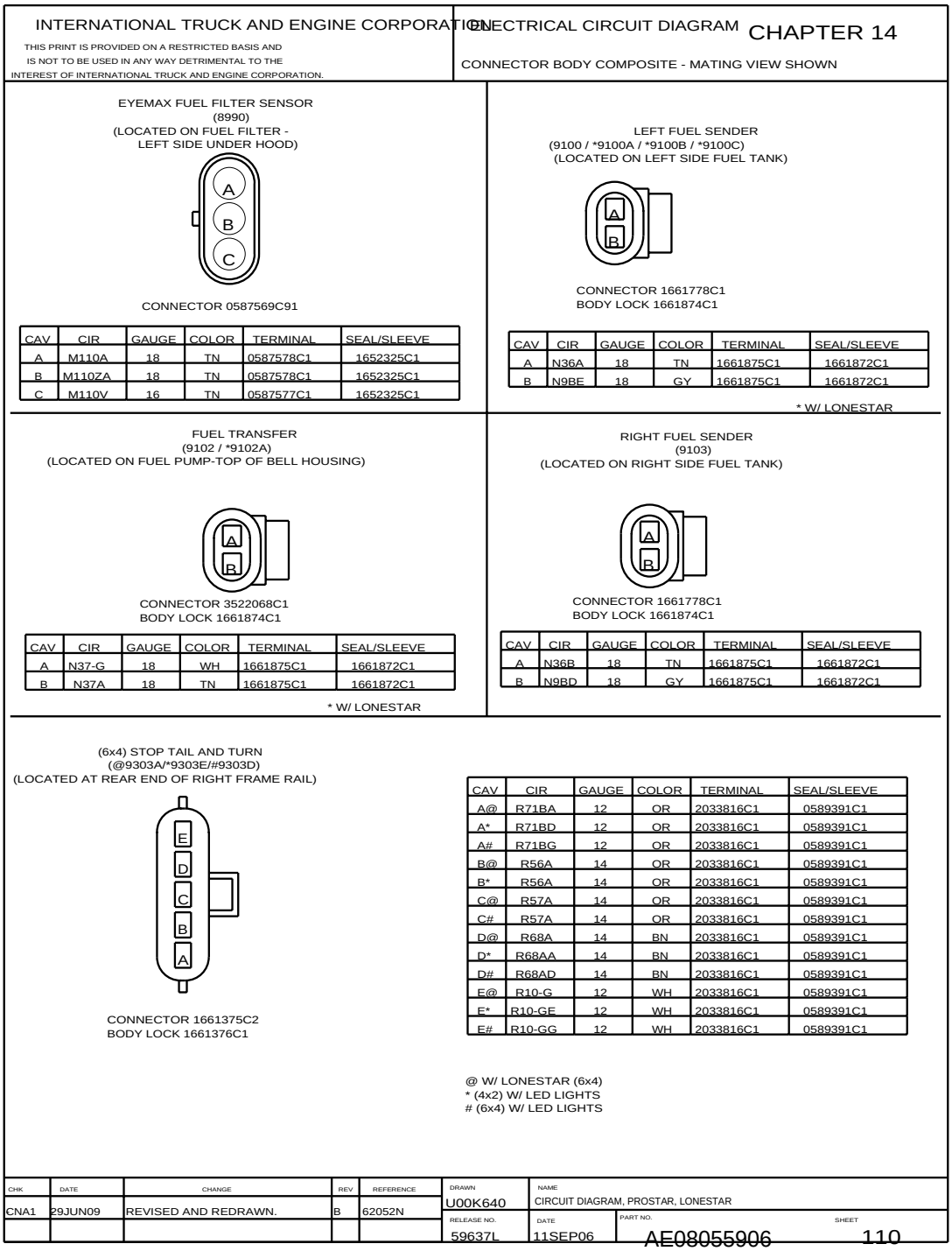

Figure 372 Connector Composites (8990), (9100/9100A/9100B/9100C), (9102/9102A) (9103), (9303A/9303E/9303D)

https://truckmanualshub.com/

14.144. CONNECTOR COMPOSITES (9303/9303C/9303B), (9304A), (9305/9305A), P. 111

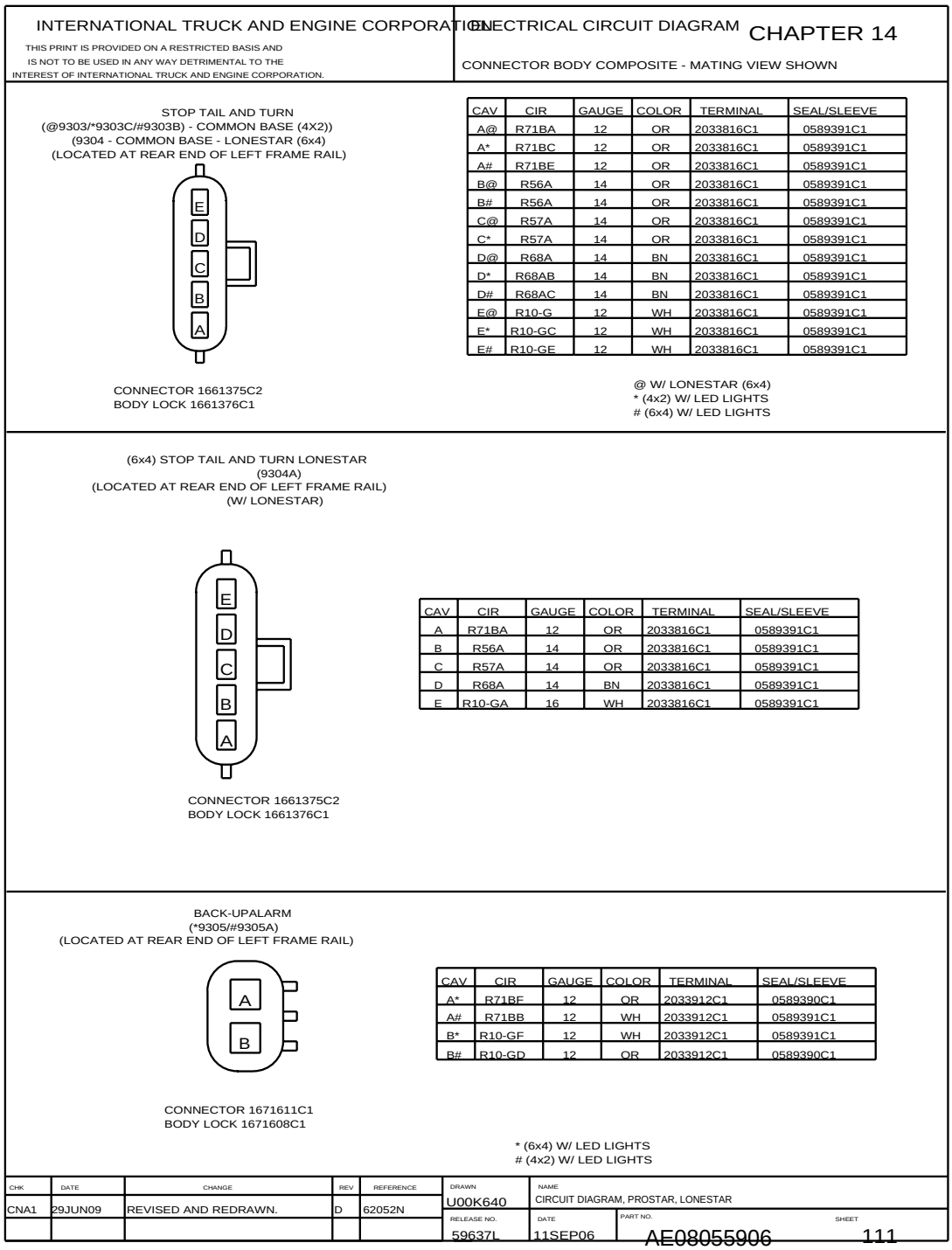

Figure 373 Connector Composites (9103), (9303), (9303A), (9304), (9304A)

https://truckmanualshub.com/

14.145. CONNECTOR COMPOSITES (9501), (9501D), (9502/9502A), (9502B), (9503/9503D), (9504/9504A/9504B), P. 112

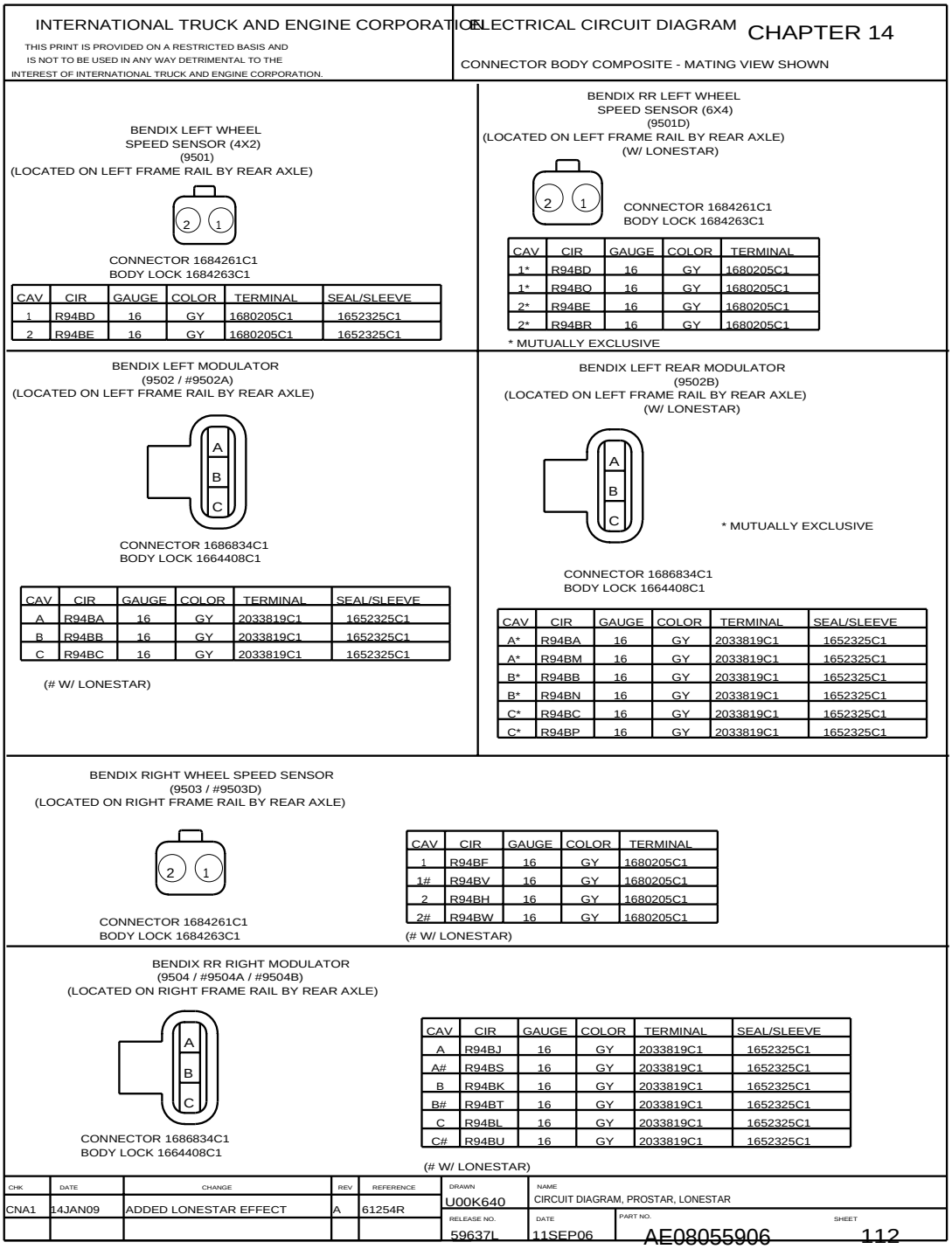

Figure 374 Connector Composites (9501), (9501D), (9502/9502A), (9502B), (9503/9503D), (9504/9504A/9504B)

https://truckmanualshub.com/

14.146. CONNECTOR COMPOSITES (9505/9505A), (9506/9506D/9506E), (9507/9507A/9507B), (9508/9508B/9508D/9508E), (9509/9509A/9509B), P. 113

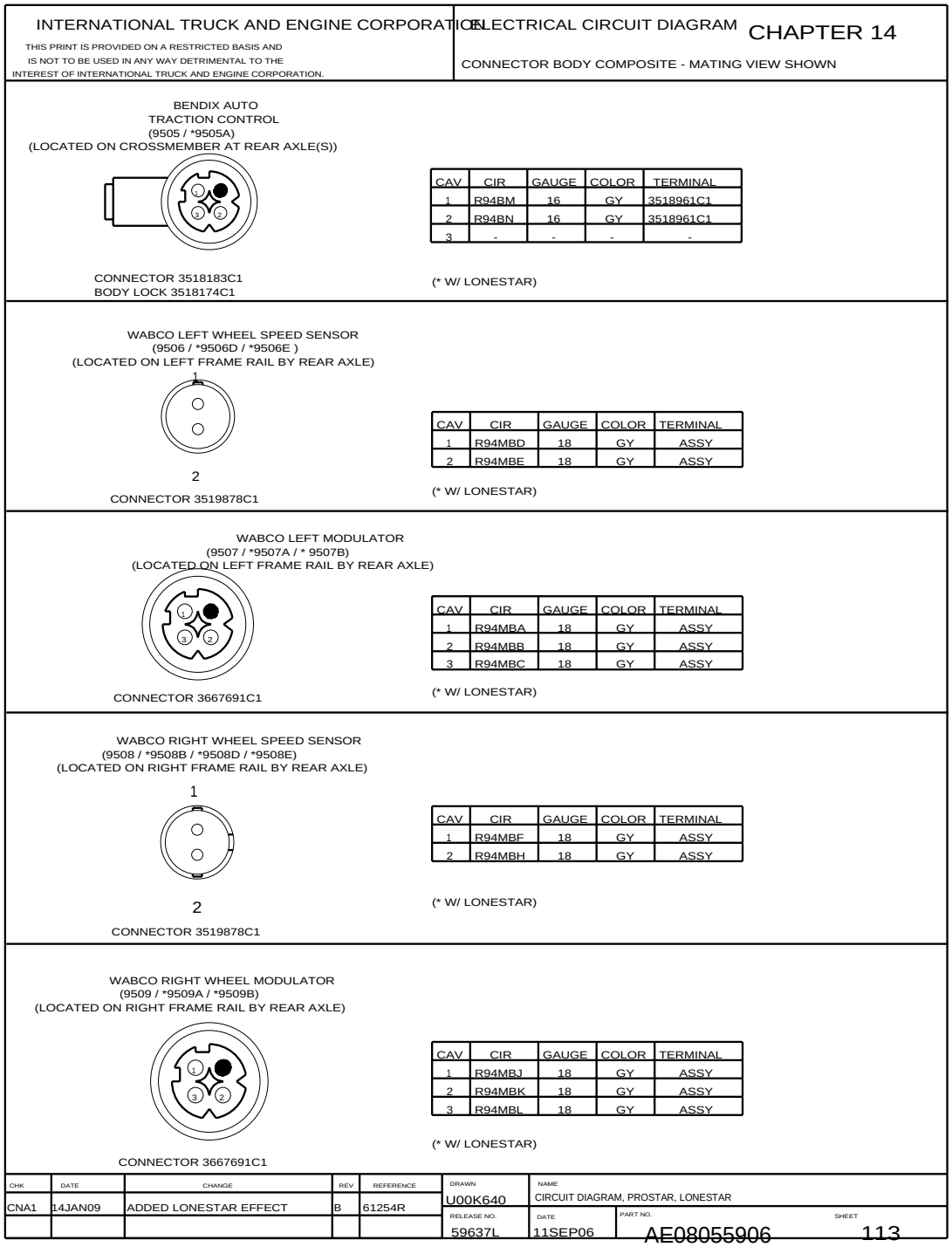

Figure 375 Connector Composites (9505/9505A), (9506/9506D/9506E), (9507/9507A/9507B), (9508/9508B/9508D/9508E), (9509/9509A/9509B)

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14.147. CONNECTOR COMPOSITES (9510/9510A/9510F), (9510F/9510M), (9511), (9511/9511A), (9512), P. 114

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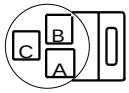
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 14

CONNECTOR BODY COMPOSITE - MATING VIEW SHOWN

ABS6 PRESSURE SENSOR
(9510 / *9510A / *9510F)
(LOCATED ON REAR SUSPENSION AIR BAG:
LEFT SIDE (6X4)
RIGHT SIDE (4X2))



CONNECTOR 1678137C1

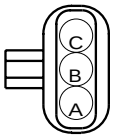
CAV	CIR	GAUGE	COLOR	TERMINAL
A	R94SZC	18	GY	1651943C1
B	R94SVC	18	GY	1651943C1
C	R94SH	18	GY	1651943C1

* W/ LONESTAR

ABS6 PRESSURE SENSOR
(9510F / 9510M)
(LOCATED ON LEFT FRAME RAIL, BACK OF CAB)

CONNECTOR 1667741C1
BODY LOCK 1667771C1

CAV	CIR	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	N94SZC	16	GY	1661875C1	1661872C1
B	N94SVC	16	GY	1661875C1	1661872C1
C	N94SH	16	GY	1661875C1	1661872C1



CONNECTOR 1667740C1
BODY LOCK 1667771C1

CAV	CIR	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	R94SZC	18	GY	1667742C1	1661872C1
B	R94SVC	18	GY	1667742C1	1661872C1
C	R94SH	18	GY	1667742C1	1661872C1

YAW SENSOR
(9511 / *9511A)
(LOCATED ON CAB SUPPORT CROSSMEMBER (DAYCAB),
BEHIND CAB CROSSMEMBER (SLEEPER))

CONNECTOR 3601685C1

CAV	CIR	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
1	N94SAB	18	GY	3601686C1	3601687C1
2	N94SCB	18	GY	3601686C1	3601687C1
3	N94SBB	18	GY	3601686C1	3601687C1
4	N94SDB	18	GY	3601686C1	3601687C1

* W/ LONESTAR

BENDIX FR RIGHT WHEEL SPEED SENSOR
(9511)
(LOCATED ON RIGHT FRAME RAIL BY FRONT AXLE)
(W/ LONESTAR)

CONNECTOR 1684261C1

CAV	CIR	GAUGE	COLOR	TERMINAL
1	R94BF	16	GY	1680205C1
2	R94BH	16	GY	1680205C1

BENDIX AUTO TRACTION CONTROL
(9512)
(LOCATED ON LEFT FRAME RAIL UNDER CAB)

CONNECTOR 3518183C1
BODY LOCK 3518174C1

CAV	CIR	GAUGE	COLOR	TERMINAL
1	N94SJ	16	GY	3518961C1
2	N94SK	16	GY	3518961C1

CHK	DATE	CHANGE	REV	REFERENCE
CNA1	14JAN09	ADDED LONESTAR EFFECT	A	61254R

DRAWN U00K640
NAME CIRCUIT DIAGRAM, PROSTAR, LONESTAR
RELEASE NO. 59637L
DATE 11SEP06
PART NO. AE08055906
SHEET 114

Figure 376 Connector Composites (9510/9510A/9510F), (9510F/9510M), (9511), (9511/9511A), (9512)

https://truckmanualshub.com/

14.148. CONNECTOR COMPOSITES (9512), (9513), (9514), (9515/9515A/9515B), P. 115

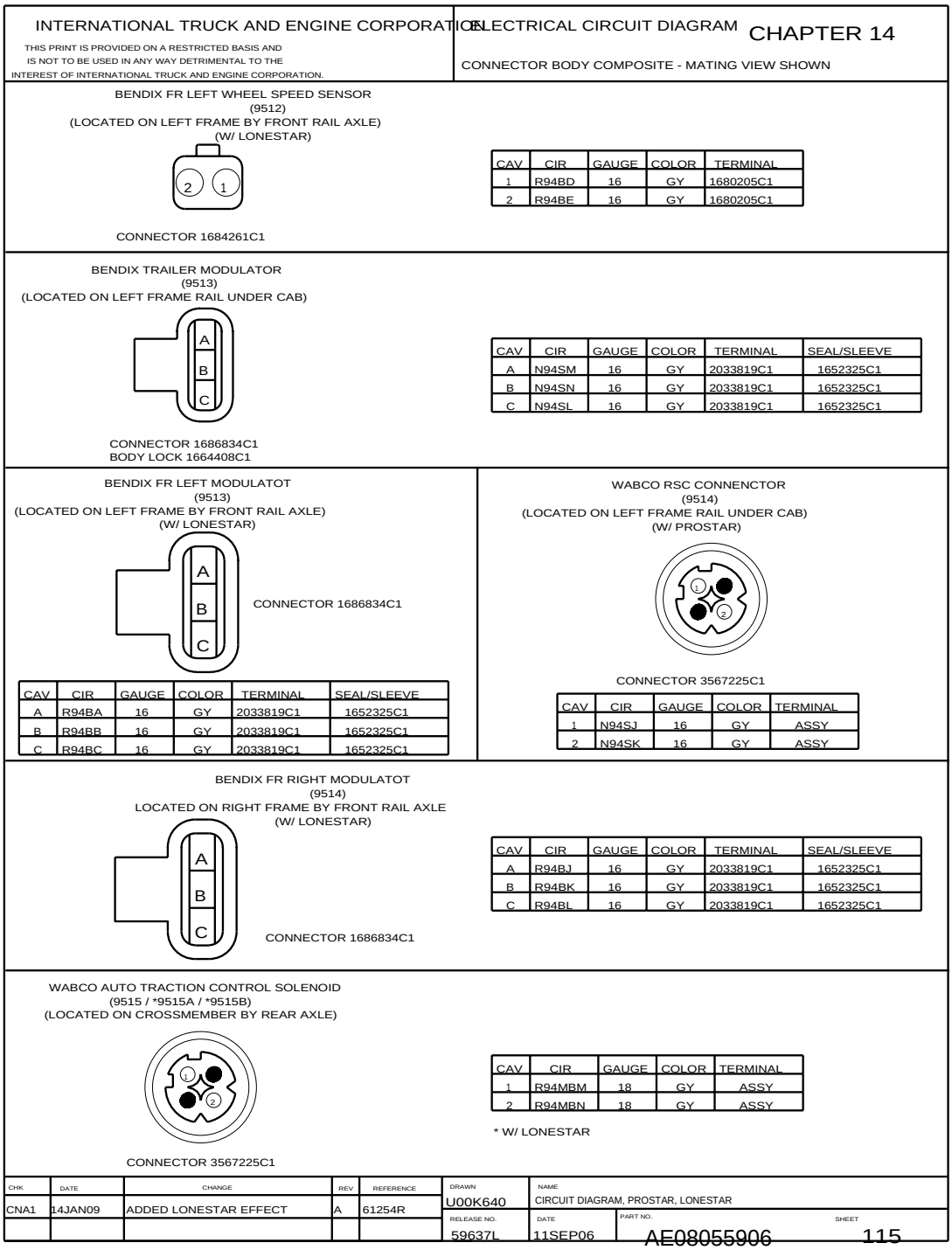


Figure 377 Connector Composites (9512), (9513), (9514), (9515/9515A/9515B)

https://truckmanualshub.com/

14.149. CONNECTOR COMPOSITES (9516M), (9635), (9715F/9715M), P. 116

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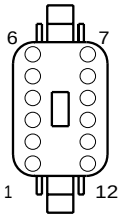
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 14

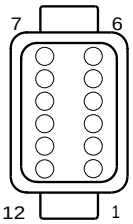
CONNECTOR BODY COMPOSITE - MATING VIEW SHOWN

BENDIX 6- CHANNEL ABS INLINE CONNECTOR
(9516M)
(LOCATED ON LEFT FRAME RAIL BEHIND CAB)
(W/ LONESTAR)

CENTRE CHASSIS



REAR CHASSIS



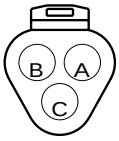
CONNECTOR 3602757C1

CAV	CIR	GAUGE	COLOR	TERMINAL
1	94BM	16	GY	1680205C1
2	94BN	16	GY	1680205C1
3	94BP	16	GY	1680205C1
4	94BQ	16	GY	1680205C1
5	94BR	16	GY	1680205C1
6	94BS	16	GY	1680205C1
7	94BT	16	GY	1680205C1
8	94BU	16	GY	1680205C1
9	94BV	16	GY	1680205C1
10	94BW	16	GY	1680205C1
11	-	-	-	-
12	-	-	-	-

CONNECTOR 3519462C1

CAV	CIR	GAUGE	COLOR	TERMINAL
1	94BM	16	GY	1680206C1
2	94BN	16	GY	1680206C1
3	94BP	16	GY	1680206C1
4	94BQ	16	GY	1680206C1
5	94BR	16	GY	1680206C1
6	94BS	16	GY	1680206C1
7	94BT	16	GY	1680206C1
8	94BU	16	GY	1680206C1
9	94BV	16	GY	1680206C1
10	94BW	16	GY	1680206C1
11	-	-	-	-
12	-	-	-	-

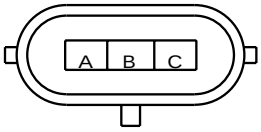
EATON VORAD SIDE SENSOR
(9635)
(LOCATED ON RIGHT SIDE OF CAB)

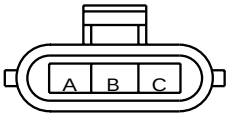


CONNECTOR 3519059C1

CAV	CIR	GAUGE	COLOR	TERMINAL
A	N67H	16	GY	1680206C1
B	N67J	16	GY	1680206C1
C	N67K	16	GY	1680206C1

TRAILER SOCKET 1
(9715F / 9715M)
(LOCATED ON LEFT ARM RAIL BEHIND CAB)





CONNECTOR 1667732C1
BODY LOCK 1667734C1

CAV	CIR	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	R70W	10	RD	2025425C1	1667735C1
B	R68W	10	BN	2025425C1	1667735C1
C	R94W	10	DKBL	2025425C1	1667735C1

CONNECTOR 1667733C1
BODY LOCK 1667734C1

CAV	CIR	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	N70W	10	RD	1667737C1	1667735C1
B	N68W	10	BN	1667737C1	1667735C1
C	N94W	10	DKBL	1667737C1	1667735C1

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
CNA1	14JAN09	ADDED LONESTAR EFFECT	A	61254R	U00K640	CIRCUIT DIAGRAM, PROSTAR, LONESTAR
					RELEASE NO. 59637L	DATE 11SEP06

PART NO. AE08055906 SHEET 116

Figure 378 Connector Composites (9516M), (9635), (9715F/9715M)

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14.150. CONNECTOR COMPOSITES (9716M/9716F), (9718), (9736), (9737), P. 117

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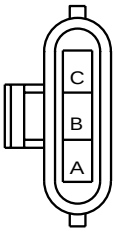
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 14

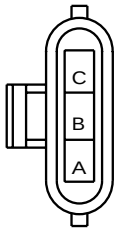
CONNECTOR BODY COMPOSITE - MATING VIEW SHOWN

TRAILER SOCKET 2
(9716M / 9716F)
(LOCATED ON LEFT FRAME RAIL BEHIND CAB)



CONNECTOR 1667732C1
BODY LOCK 1667734C1

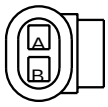
CAV	CIR	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	N58W	10	BK	2025425C1	1667735C1
B	N56W	10	YL	2025425C1	1667735C1
C	N57W	10	LTGN	2025425C1	1667735C1



CONNECTOR 1667733C1
BODY LOCK 1667734C1

CAV	CIR	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	R58W	10	BK	1667737C1	1667735C1
B	R56W	10	YL	1667737C1	1667735C1
C	R57W	10	LTGN	1667737C1	1667735C1

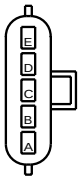
DAYCAB WORK LIGHT
(9718)
(LOCATED ON LEFT FRAME RAIL AT BACK OF DAYCAB)



CONNECTOR 1661778C1
BODY LOCK 1661874C1

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

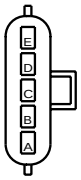
AIR SOLENOID 4-PACK
(9736)
(LOCATED INSIDE LEFT FRAME RAIL UNDER CAB)



CONNECTOR 1661375C2
BODY LOCK 1661376C1

CAV	CIR	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	N59-G	14	WH	2033816C1	0589391C1
B	N59A	18	GY	2033819C1	1652325C1
C	N59B	18	GY	2033819C1	1652325C1
D	N59C	18	GY	2033819C1	1652325C1
E	N59D	18	GY	2033819C1	1652325C1

2ND AIR SOLENOID 4-PACK
(9737)
(LOCATED INSIDE LEFT FRAME RAIL UNDER CAB)



CONNECTOR 1661375C2
BODY LOCK 1661376C1

CAV	CIR	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	N59-GA	14	WH	2033816C1	0589391C1
B	N59E	18	GY	2033819C1	1652325C1
C	N59F	18	GY	2033819C1	1652325C1
D	N59H	18	GY	2033819C1	1652325C1
E	N59J	18	GY	2033819C1	1652325C1

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
CNA1	14JAN09	REVISED AND REDRAWN	A	61254R	U00K640	CIRCUIT DIAGRAM, PROSTAR, LONESTAR
					RELEASE NO. 59637L	DATE 11SEP06

PART NO. AE08055906 SHEET 117

Figure 379 Connector Composites (9716M/9716F), (9718), (9736), (9737)

https://truckmanualshub.com/

14.151. CONNECTOR COMPOSITES (9738), (9768), (9769), P. 118

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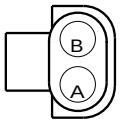
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 14

CONNECTOR BODY COMPOSITE - MATING VIEW SHOWN

5TH WHEEL JAW LOCK SOLENOID
(9738)
(LOCATED AT END OF FRAME - LEFT SIDE)

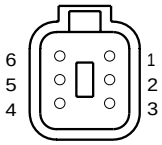


CONNECTOR 0587568C91

CAV	CIR	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A*	N59K	16	GY	0587575C1	1652325C1
A#	N59K	18	GY	0587576C1	1652325C1
A**	N59K	18	GY	0587576C1	1652325C1
A##	N59K	16	GY	0587575C1	1652325C1
A&	N59K	16	GY	0587575C1	1652325C1
B	N59-GB	16	WH	0587575C1	1652325C1

* W/ ONE SOLENOID 4 PACK W/ CNT = 3
\# W/ ONE SOLENOID 4 PACK W/ CNT = 4
** W/ TWO SOLENOID 4 PACK W/ CNT = 6
\## W/ TWO SOLENOID 4 PACK W/ CNT = 5
\& W/ TWO SOLENOID 4 PACK W/ CNT = 7

EATON VORAD VS-400
(9768)
(LOCATED ON RIGHT SIDE CAB)

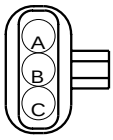


CONNECTOR 3673640C1
BODY LOCK 2005243C1

CAV	CIR	GAUGE	COLOR	TERMINAL
1	N67TA	16	PK	3572626C1
2	N67GU	16	WH	3572626C1
3	N67U	16	GY	3572626C1
4	N67V	16	GY	3572626C1
5	N67W	16	GY	3572626C1
6	PLUG	-	-	0453133C1

J1939 CENTER CHASSIS TO
FWD CHASSIS
(9769)
(LOCATED ON LEFT SIDE DASH PANEL)

CONNECTOR 1667741C1
BODY LOCK 1667771C1



CONNECTOR 1667740C1
BODY LOCK 1667771C1

CAV	CIR	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	M5U(+)	18	YL	1661875C1	3568570C1
A%%	M5UK(+)	18	YL	1661875C1	3568570C1
B	-	-	-	-	-
C	M5U(-)	18	GN	1661875C1	3568570C1
C%%	M5UK(-)	18	GN	1661875C1	3568570C1

CAV	CIR	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	N5U(+)	18	YL	1667742C1	3568570C1
B	-	-	-	-	-
C	N5U(-)	18	GN	1667742C1	3568570C1

%% W/ WABCO ONGUARD

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
CNA1	07OCT09	W484//ADDED WABCO	C	62556A	U00K640	CIRCUIT DIAGRAM, PROSTAR, LONESTAR
	ONGUARD				RELEASE NO. 59637L	DATE 11SEP06 / PART NO. AE08055906 / SHEET 118

Figure 380 Connector Composites (9738), (9768), (9769)

https://truckmanualshub.com/

14.152. CONNECTOR COMPOSITES (9770), (9779/9779F/9779FA), (9779F1), (9780/9780M), (9780M1), P. 119

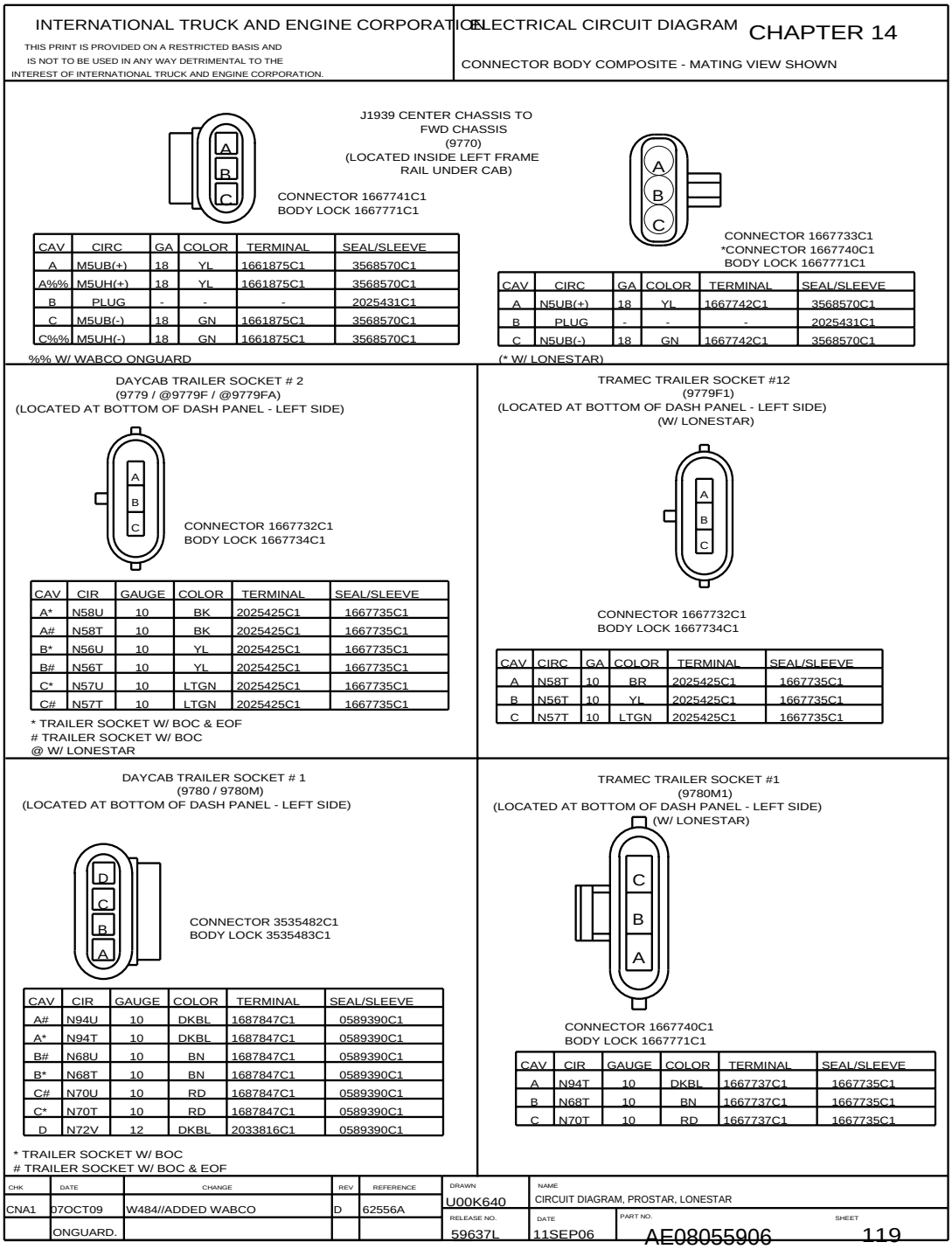


Figure 381 Connector Composites (9770), (9779/9779F/9779FA), (9779F1), (9780/9780M), (9780M1)

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14.153. CONNECTOR COMPOSITES (9781F), (9782M), (9783F), (9783M), (9784M), P. 120

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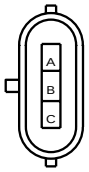
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 14

CONNECTOR BODY COMPOSITE - MATING VIEW SHOWN

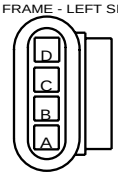
TRAILER SOCKET 2
(9781F)
(LOCATED AT END OF FRAME - LEFT SIDE)



CONNECTOR 1667732C1
BODY LOCK 1667734C1

CAV	CIR	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	N58T	10	BK	2025425C1	1667735C1
B	N56T	10	YL	2025425C1	1667735C1
C	N57T	10	LTGN	2025425C1	1667735C1

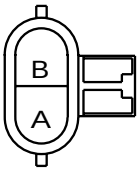
TRAILER SOCKET 2
(9782M)
(LOCATED AT END OF FRAME - LEFT SIDE)



CONNECTOR 3535482C1
BODY LOCK 3535483C1

CAV	CIR	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	N94T	10	DKBL	1687847C1	0589390C1
B	N68T	10	BN	1687847C1	0589390C1
C	N70T	10	RD	1687847C1	0589390C1
D	N72V	12	DKBL	2033816C1	0589390C1

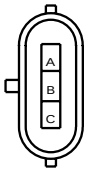
ISO TRAILER SOCKET
(9783M)
(LOCATED AT BOTTOM OF DASH PANEL - LEFT SIDE)
(W/ LONESTAR)



CONNECTOR 2031522C1
BODY LOCK 2033927C1

CAV	CIR	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	N94T	10	DKBL	2031531C1	2025427C1
B	N94TA	10	YL	2031531C1	2025427C1

TRAILER SOCKET 2
(9783F)
(LOCATED AT END OF FRAME - LEFT SIDE)

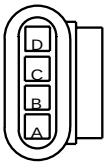


CONNECTOR 1667732C1
BODY LOCK 1667734C1

CAV	CIR	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	N58U	10	BK	2025425C1	1667732C1
A*	N58T	10	BK	2025425C1	1667732C1
B	N56U	10	YL	2025425C1	1667732C1
B*	N56T	10	YL	2025425C1	1667732C1
C	N57U	10	LTGN	2025425C1	1667732C1
C*	N57T	10	LTGN	2025425C1	1667732C1

* W/ LONESTAR

TRAILER SOCKET 1
(9784M)
(LOCATED AT END OF FRAME - LEFT SIDE)



CONNECTOR 3535482C1
BODY LOCK 3535483C1

CAV	CIR	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A*	N94U	10	DKBL	1687847C1	0589390C1
A	N94T	10	DKBL	1687847C1	0589390C1
B*	N68U	10	BN	1687847C1	0589390C1
B	N68T	10	BN	1687847C1	0589390C1
C	N70T	10	RD	1687847C1	0589390C1
C*	N70U	10	RD	1687847C1	0589390C1
D	N72V	12	DKBL	2033816C1	0589391C1

* W/ LONESTAR

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
CNA1	14JAN09	ADDED LONESTAR EFFECT	B	61254R	U00K640	CIRCUIT DIAGRAM, PROSTAR, LONESTAR
					RELEASE NO. 59637L	DATE 11SEP06

PART NO. AE08055906 SHEET 120

Figure 382 Connector Composites (9780), (9781F), (9782M), (9783F), (9783M), (9784M)

https://truckmanualshub.com/

14.154. CONNECTOR COMPOSITES (9789/9789F/9789FA), (9790/9790M/9790MA), P. 121

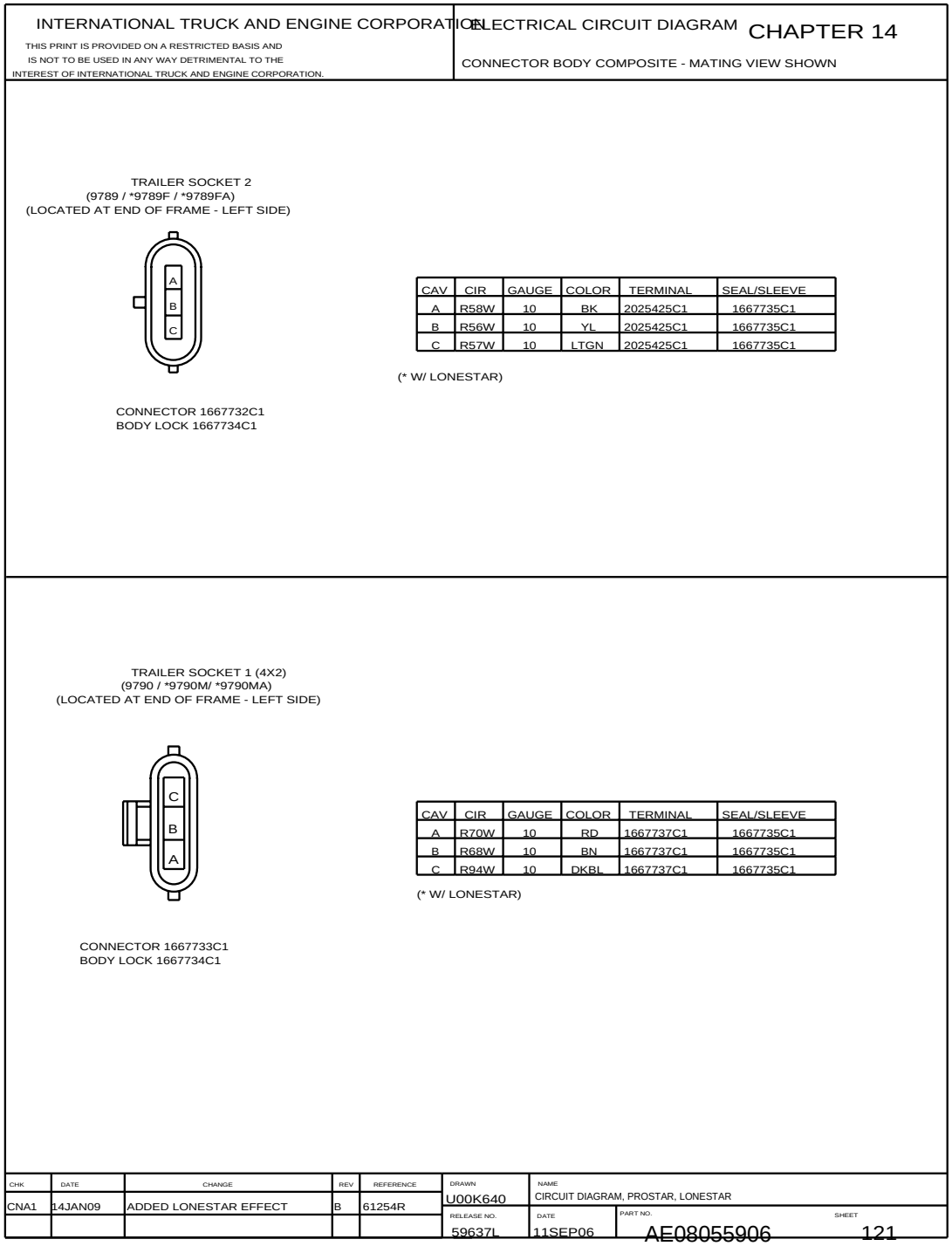


Figure 383 Connector Composites (9789/9789F/9789FA), (9790/9790M/9790MA)

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14.155. CONNECTOR COMPOSITES (9800/9800F/9800M), P. 122

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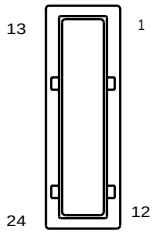
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 14

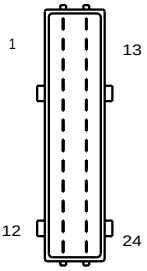
CONNECTOR BODY COMPOSITE - MATING VIEW SHOWN

CONNECTION TO REAR / CENTER CHASSIS HARNESS
(9800 / 9800F / 9800M)
(LOCATED ON LEFT FRAME RAIL BEHIND CAB)



CONNECTOR 3558022C1
BODY LOCK 3558056C1

CAV	CIR	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
1	R71BA	14	OR	3559037C1	3575783C1
2	R56A	14	OR	3559037C1	3575783C1
3	R57A	14	OR	3559037C1	3575783C1
4	R68A	14	BN	3559037C1	3575783C1
5	R10-G	12	WH	3559037C1	3575783C1
5##	R10-G	16	WH	3559037C1	3509903C1
6	R32A	18	TN	3559036C1	3509903C1
6##	R32	18	TN	3559036C1	3509903C1
7*	R9A	18	GY	3559036C1	3509903C1
7*	R9	18	GY	3559036C1	3509903C1
7##	R9C	18	GY	3559036C1	3509903C1
8	R32	18	TN	3559036C1	3509903C1
9	R49	18	GY	3559036C1	3509903C1
10*	R49-GC	18	WH	3559036C1	3509903C1
10*	R49-G	18	WH	3559036C1	3509903C1
11	R49A	18	GY	3559036C1	3509903C1
12	R58AC	16	BN	3559037C1	3509903C1
13@	R94BA	16	GY	3559037C1	3509903C1
13#	R94MBA	18	GY	3559036C1	3509903C1
14@	R94BB	16	GY	3559037C1	3509903C1
14#	R94MBB	18	GY	3559036C1	3509903C1
15@	R94BC	16	GY	3559037C1	3509903C1
15#	R94MBC	18	GY	3559036C1	3509903C1
16@	R94BD	16	GY	3559037C1	3509903C1
16#	R94MBD	18	GY	3559036C1	3509903C1
17@	R94BE	16	GY	3559037C1	3509903C1
17#	R94MBE	18	GY	3559036C1	3509903C1
18@	R94BF	16	GY	3559037C1	3509903C1
18#	R94MBF	18	GY	3559036C1	3509903C1
19@	R94BH	16	GY	3559037C1	3509903C1
19#	R94MBH	18	GY	3559036C1	3509903C1
20@	R94BJ	16	GY	3559037C1	3509903C1
20#	R94MBJ	18	GY	3559036C1	3509903C1
21@	R94BK	16	GY	3559037C1	3509903C1
21#	R94MBK	18	GY	3559036C1	3509903C1
22@	R94BL	16	GY	3559037C1	3509903C1
22#	R94MBL	18	GY	3559036C1	3509903C1
23@	R94BM	16	GY	3559037C1	3509903C1
23#	R94MBM	18	GY	3559036C1	3509903C1
24@	R94BN	16	GY	3559037C1	3509903C1
24#	R94MBN	18	GY	3559036C1	3509903C1



CONNECTOR 3558026C1
BODY LOCK 3558056C1

CAV	CIR	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
1	N71BA	14	OR	3559035C1	3575783C1
2	N56A	14	OR	3559035C1	3575783C1
3	N57A	14	OR	3559035C1	3575783C1
4	N68A	14	BN	3559035C1	3575783C1
5	N10-G	12	WH	3559035C1	3575783C1
6	N32A	18	TN	3509874C1	3509903C1
7	N9BF	18	GY	3509874C1	3509903C1
8	N32	18	TN	3509874C1	3509903C1
9	N49	18	GY	3509874C1	3509903C1
10	N49-G	18	WH	3509874C1	3509903C1
11	N49A	18	GY	3509874C1	3509903C1
12	PLUG	-	-	3532129C1	-
13	N94BA	16	GY	3559035C1	3509903C1
14	N94BB	16	GY	3559035C1	3509903C1
15	N94BC	16	GY	3559035C1	3509903C1
16	N94BD	16	GY	3559035C1	3509903C1
17	N94BE	16	GY	3559035C1	3509903C1
18	N94BF	16	GY	3559035C1	3509903C1
19	N94BH	16	GY	3559035C1	3509903C1
20	N94BJ	16	GY	3559035C1	3509903C1
21	N94BK	16	GY	3559035C1	3509903C1
22	N94BL	16	GY	3559035C1	3509903C1
23	N94BM	16	GY	3559035C1	3509903C1
24	N94BN	16	GY	3559035C1	3509903C1

* MUTUALLY EXCLUSIVE
@ W/ BENDIX ABS
# W/ WABCO ABS
W/ LONESTAR

CHK	DATE	CHANGE	REV	REFERENCE
CNA1	16JUN09	LONESTAR WAS TOPGUN.	C	61610P

DRAWN U00K640
NAME CIRCUIT DIAGRAM, PROSTAR, LONESTAR
RELEASE NO. 59637L
DATE 11SEP06
PART NO. AE08055906
SHEET 122

Figure 384 Connector Composites (9800/9800F/9800M)

https://truckmanualshub.com/

14.156. CONNECTOR COMPOSITES (9801/9801F/9801M), P. 123

INTERNATIONAL TRUCK AND ENGINE CORPORATION

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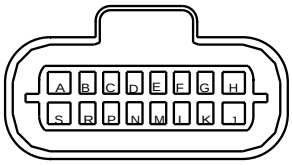
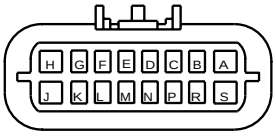
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 14

CONNECTOR BODY COMPOSITE - MATING VIEW SHOWN

CENTER / REAR PROGNOSTICS & DIAGNOSTICS
(9801 / 9801F / 9801M)
(LOCATED ON LEFT FRAME RAIL BEHIND CAB)



CONNECTOR 3533852C1



CONNECTOR 3533853C1

CAV	CIR	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	N108VB	16	TN	3534162C1	3535428C1
B	N107-GC	18	TN	3535303C1	3535424C1
C	N107C	18	TN	3535303C1	3535424C1
D	N108F	18	TN	3535303C1	3535424C1
E	N108E	18	TN	3535303C1	3535424C1
F	N108D	18	TN	3535303C1	3535424C1
G	N108C	18	TN	3535303C1	3535424C1
H	N107B	18	TN	3534162C1	3535427C1
J	N108ZB	16	TN	3534162C1	3535428C1
K	N22ZB	18	TN	3535303C1	3535424C1
L	N22VB	18	TN	3535303C1	3535424C1
M	N22B	18	TN	3535303C1	3535424C1
N	N22ZC	18	TN	3535303C1	3535424C1
P	N22VC	18	TN	3535303C1	3535424C1
R	N22C	18	TN	3535303C1	3535424C1
S	N107-GB	18	TN	3534162C1	3535427C1

CAV	CIR	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	R108VB	16	TN	3534160C1	3535428C1
B	R107-GC	18	TN	3535305C1	3535424C1
C	R107C	18	TN	3535305C1	3535424C1
D	R108F	18	TN	3535305C1	3535424C1
E	R108E	18	TN	3535305C1	3535424C1
F*	R108D	18	TN	3535305C1	3535424C1
F#	R108DA	18	TN	3535305C1	3535424C1
G*	R108C	18	TN	3535305C1	3535424C1
G#	R108CA	18	TN	3535305C1	3535424C1
H	R107B	18	TN	3534160C1	3535427C1
J	R108ZB	16	TN	3534160C1	3535428C1
K	R22ZB	20	TN	3535304C1	3535423C1
L	R22VB	20	TN	3535304C1	3535423C1
M	R22B	20	TN	3535304C1	3535423C1
N	R22ZC	20	TN	3535304C1	3535423C1
P	R22VC	20	TN	3535304C1	3535423C1
R	R22C	20	TN	3535304C1	3535423C1
S	R107-GD	18	TN	3534160C1	3535427C1

* W/ SLACK ADJUSTER SENSOR 4X2
# W/ SLACK ADJUSTER SENSOR 6X4

CHK	DATE	CHANGE	REV	REFERENCE
CNA1	14JAN09	TITLE WAS CIRCUIT	B	61254R
	DIAGRAM, PROSTAR			

DRAWN U00K640
NAME CIRCUIT DIAGRAM, PROSTAR, LONESTAR
RELEASE NO. 59637L
DATE 11SEP06
PART NO. AE08055906
SHEET 123

Figure 385 Connector Composites (9801/9801F/9801M)

https://truckmanualshub.com/

14.157. CONNECTOR COMPOSITES (9811), (9812), (9813), P. 124

INTERNATIONAL TRUCK AND ENGINE CORPORATION

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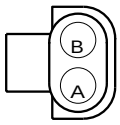
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 14

CONNECTOR BODY COMPOSITE - MATING VIEW SHOWN

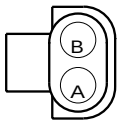
FRONT AXLE TEMP SENDER
(9811)
(LOCATED ON LEFT FRAME RAIL BY FORWARD REAR AXLE)



CONNECTOR 0587568C91

CAV	CIR	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	R32	18	TN	0587576C1	1652325C1
B	R9C	18	GY	0587576C1	1652325C1

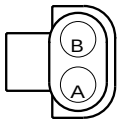
REAR AXLE TEMP (6X4) SENDER
(9812)
(LOCATED ON LEFT FRAME RAIL BY REAR REAR AXLE)



CONNECTOR 0587568C91

CAV	CIR	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	R32A	18	TN	0587576C1	1652325C1
B	R9B	18	GY	0587576C1	1652325C1

REAR AXLE TEMP SENDER (4X2)
(9813)
(LOCATED ON LEFT FRAME RAIL BY REAR AXLE)



CONNECTOR 0587568C91

CAV	CIR	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	R32A	18	TN	0587576C1	1652325C1
B	R9	18	GY	0587576C1	1652325C1

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
CNA1	14JAN09	TITLE WAS CIRCUIT	B	61254R	U00K640	CIRCUIT DIAGRAM, PROSTAR, LONESTAR
	DIAGRAM, PROSTAR				RELEASE NO. 59637L	DATE 11SEP06

PART NO. AE08055906 SHEET 124

Figure 386 Connector Composites (9811), (9812), (9813)

https://truckmanualshub.com/

14.158. CONNECTOR COMPOSITES (9814), (9815), (9816), P. 125

INTERNATIONAL TRUCK AND ENGINE CORPORATION

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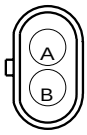
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 14

CONNECTOR BODY COMPOSITE - MATING VIEW SHOWN

6X4 FORWARD REAR AXLE DIFF
LOCKED INDICATOR SWITCH
(9814)
(LOCATED ON FRONT OF FORWARD REAR AXLE)

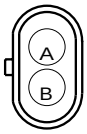


CONNECTOR 0587567C91

CAV	CIR	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A*	R49A	18	GY	0587578C1	1652325C1
A#	R49	18	GY	0587578C1	1652325C1
B*	R49-GB	18	WH	0587578C1	1652325C1
B#	R49-G	18	WH	0587578C1	1652325C1

* W/ TWO DIFF LOCK WARN LIGHT (6X4)
# W/ ONE DIFF LOCK WARN LT(6X4) W/ TAG

6X4 REAR REAR AXLE DIFF
LOCKED INDICATOR SWITCH
(9815)
(LOCATED ON FRONT OF REAR REAR AXLE)

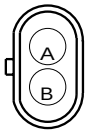


CONNECTOR 0587567C91

CAV	CIR	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	R49	18	GY	0587578C1	1652325C1
B*	R49-G	18	WH	0587578C1	1652325C1
B#	R49-GA	18	WH	0587578C1	1652325C1

* W/ ONE DIFF LOCK WARN LIGHT
# W/ TWO DIFF LOCK WARN LIGHT

4X2 REAR AXLE DIFF
LOCKED INDICATOR SWITCH
(9816)
(LOCATED ON FRONT OF REAR AXLE)



CONNECTOR 0587567C91

CAV	CIR	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	R49	18	GY	0587578C1	1652325C1
B	R49-G	18	WH	0587578C1	1652325C1

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
CNA1	14JAN09	TITLE WAS CIRCUIT	C	61254R	U00K640	CIRCUIT DIAGRAM, PROSTAR, LONESTAR
	DIAGRAM, PROSTAR				RELEASE NO. 59637L	DATE 11SEP06

PART NO. AE08055906 SHEET 125

Figure 387 Connector Composites (9814), (9815), (9816)

https://truckmanualshub.com/

14.159. CONNECTOR COMPOSITES (9830/9832), (9865/9865F/9865M), P. 126

INTERNATIONAL TRUCK AND ENGINE CORPORATION

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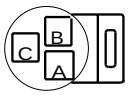
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 14

CONNECTOR BODY COMPOSITE - MATING VIEW SHOWN

REAR LOAD INDICATOR
(9830 - 4X2)
(9832 - 6X4)

(LOCATED ON REAR SUSPENSION AIR BAG:
LEFT SIDE - 6X4
RIGHT SIDE 4X2)



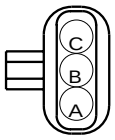
CONNECTOR 1678137C1

CAV	CIR	GAUGE	COLOR	TERMINAL
A	R109B	18	GY	1651943C1
B	R106B	18	GY	1651943C1
C	R61B	18	GY	1651943C1

LOAD INDICATOR CENTER CHASSIS / REAR CHASSIS
(9865 / 9865M / 9865F)
(LOCATED ON LEFT FRAME RAIL BEHIND CAB)

CONNECTOR 1667741C1

BODY LOCK 1667771C1



CONNECTOR 1667740C1

BODY LOCK 1667771C1

CAV	CIR	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	N109B	18	GY	1667742C1	1661872C1
A*	N109B	18	GY	1661875C1	1661872C1
B	N106B	18	GY	1667742C1	1661872C1
B*	N106B	18	GY	1661875C1	1661872C1
C	N61B	18	GY	1667742C1	1661872C1
C*	N61B	18	GY	1661875C1	1661872C1

CAV	CIR	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	R109B	18	GY	1661875C1	1661872C1
A*	R109B	18	GY	1667742C1	1661872C1
B	R106B	18	GY	1661875C1	1661872C1
B*	R106B	18	GY	1667742C1	1661872C1
C	R61B	18	GY	1661875C1	1661872C1
C*	R61B	18	GY	1667742C1	1661872C1

* W/ LONESTAR

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
CNA1	20JAN09	ADDED LONESTAR EFFECT	B	61254R	300371	CIRCUIT DIAGRAM, PROSTAR, LONESTAR
					RELEASE NO. 50297W	DATE 18OCT07

PART NO. AE08055906 SHEET 126

Figure 388 Connector Composites (9830/9832), (9865/9865F/9865M)

https://truckmanualshub.com/

14.160. CONNECTOR COMPOSITES (9900), (9901), (9902), P. 127

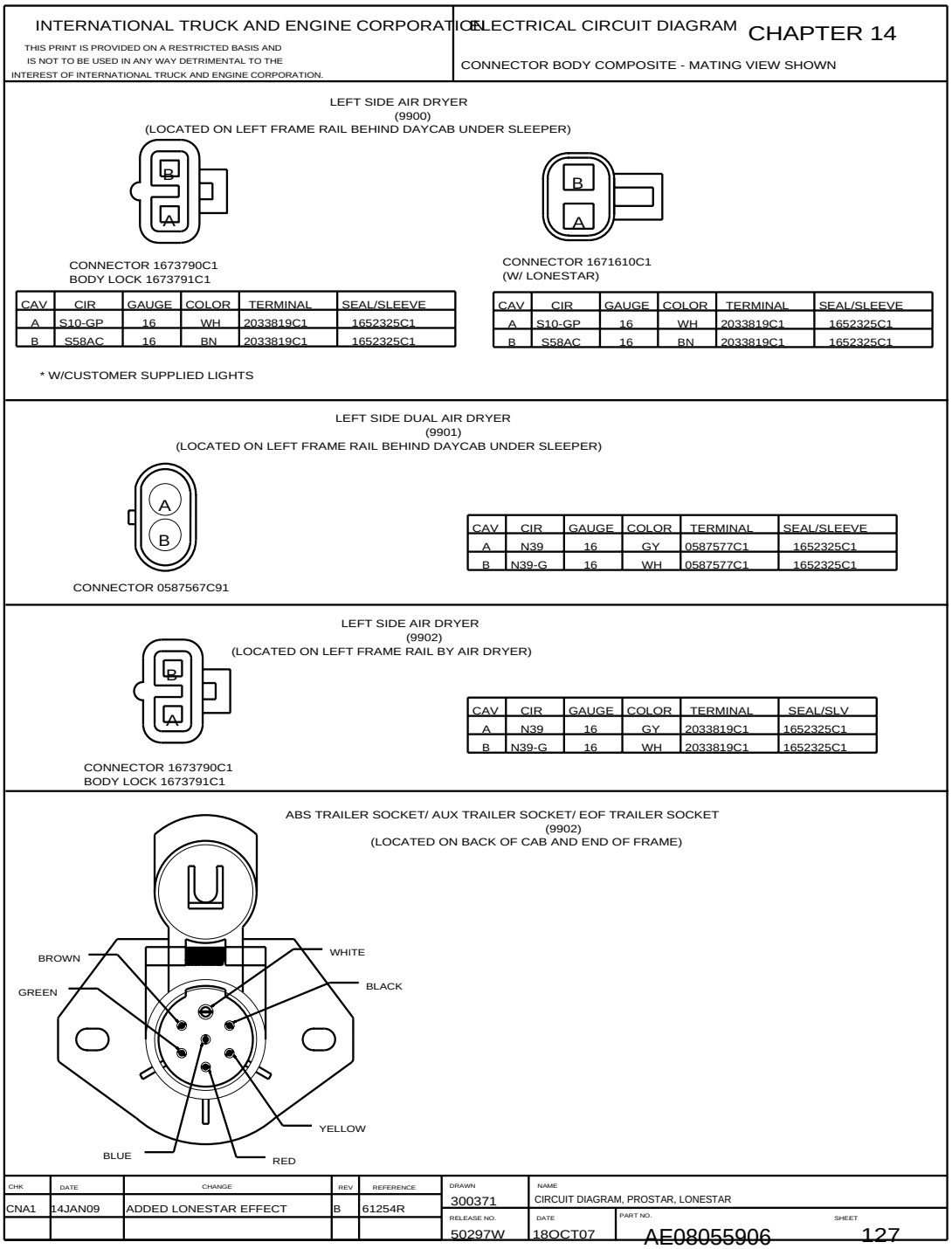


Figure 389 Connector Composites (9900), (9901), (9902)

https://truckmanualshub.com/

15. SUPPLEMENT FOR CUMMINS EPA98 ISX ENGINE (PROSTAR ONLY)

15.1. ELECTRONIC ENGINE CONTROLS — CUMMINS EPA98 ISX (PROSTAR ONLY), P. 2

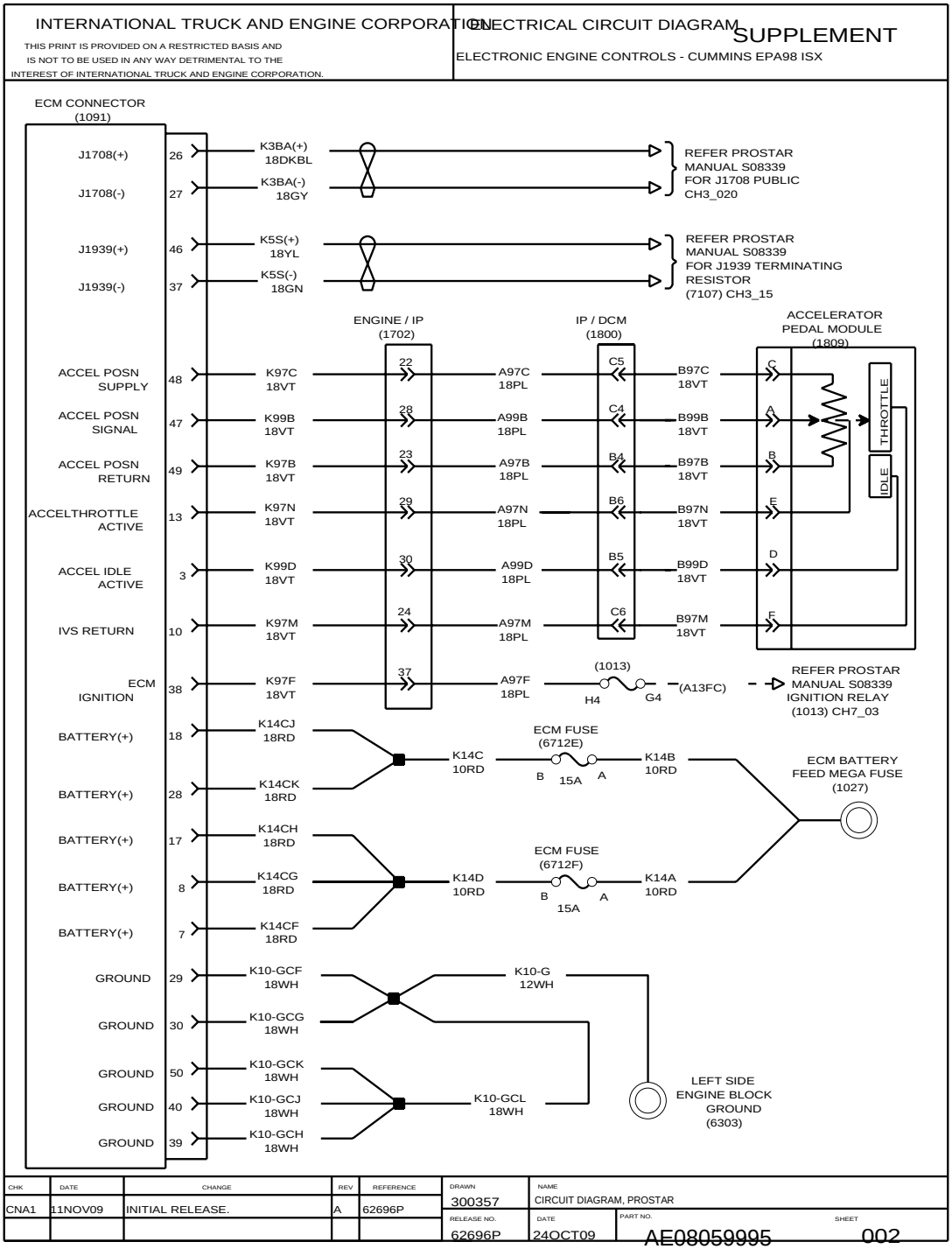


Figure 390 Electronic Engine Controls — Cummins EPA98 ISX

https://truckmanualshub.com/

15.2. ELECTRONIC ENGINE CONTROLS — CUMMINS EPA98 ISX (PROSTAR ONLY), P. 3

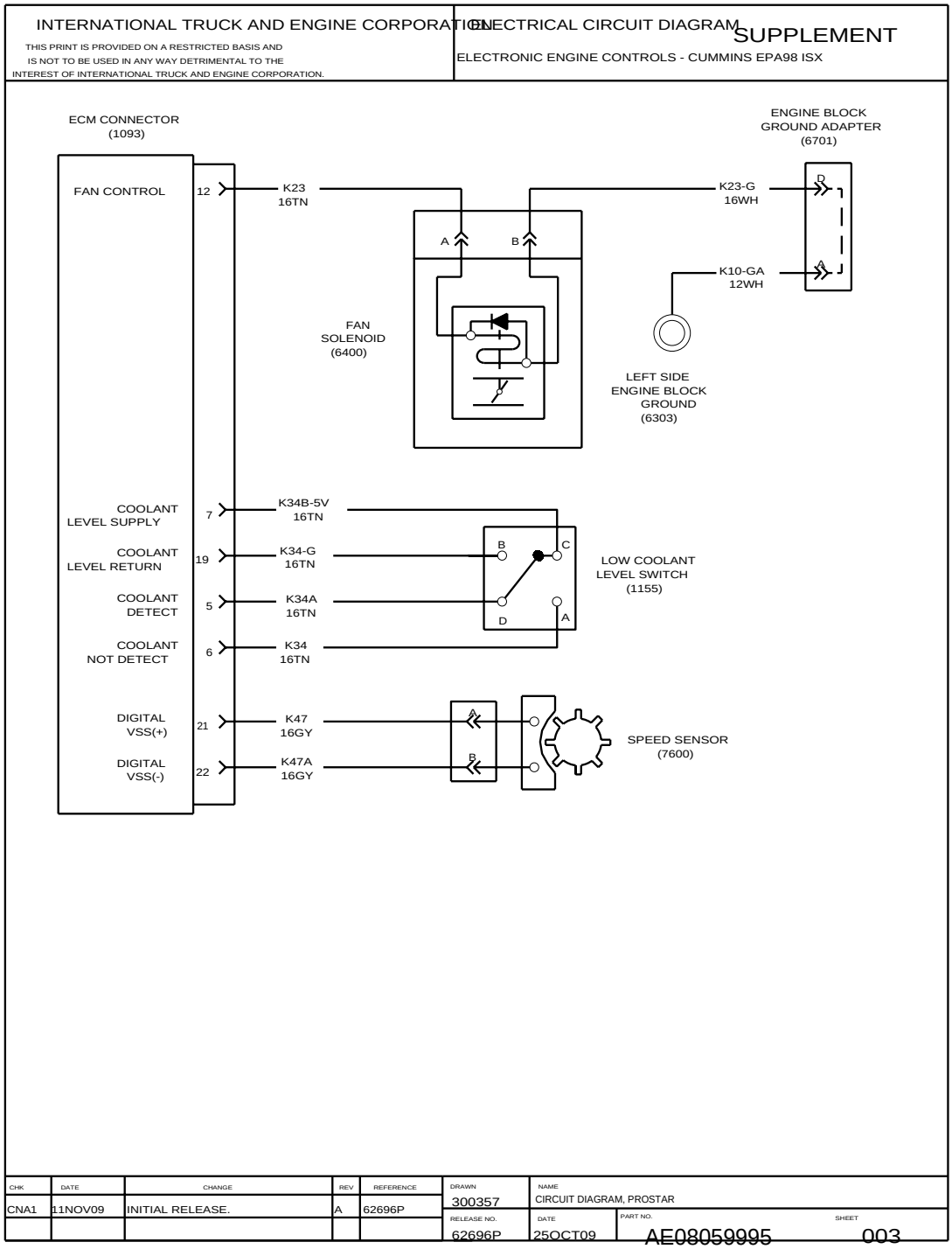


Figure 391 Electronic Engine Controls — Cummins EPA98 ISX

https://truckmanualshub.com/

15.3. CONNECTOR COMPOSITES (1091), (PROSTAR ONLY), P. 4

INTERNATIONAL TRUCK AND ENGINE CORPORATION

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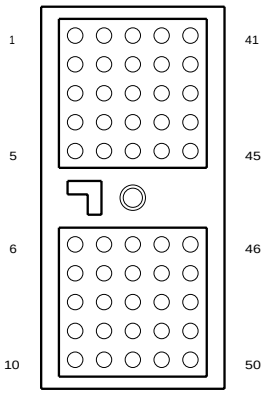
ELECTRICAL CIRCUIT DIAGRAM SUPPLEMENT

CONNECTOR BODY COMPOSITE - MATING VIEW SHOWN

ECM CONNECTOR
(1091)



CONNECTOR-3524112C1

CAV	CIR	GAUGE	COLOR	TERMINAL
1	PLUG	-	-	0453133C1
2	PLUG	-	-	0453133C1
3	K99D	18	VT	3555249C1
4	PLUG	-	-	0453133C1
5	PLUG	-	-	0453133C1
6	PLUG	-	-	0453133C1
7	K14CF	18	RD	3555249C1
8	K14CG	18	RD	3555249C1
9	PLUG	-	-	0453133C1
10	K97M	18	VT	3555249C1
11	PLUG	-	-	0453133C1
12	PLUG	-	-	0453133C1
13	K97N	18	VT	3555249C1
14	PLUG	-	-	0453133C1
15	PLUG	-	-	0453133C1
16	PLUG	-	-	0453133C1
17	K14CH	18	RD	3555249C1
18	K14CJ	18	RD	3555249C1
19	PLUG	-	-	0453133C1
20	PLUG	-	-	0453133C1
21	PLUG	-	-	0453133C1
22	PLUG	-	-	0453133C1
23	PLUG	-	-	0453133C1
24	PLUG	-	-	0453133C1
25	PLUG	-	-	0453133C1

CAV	CIR	GAUGE	COLOR	TERMINAL
26	K3BA(+)	18	DKBL	3555249C1
27	K3BA(-)	18	GY	3555249C1
28	K14CK	18	RD	3555249C1
29	K10-GCF	18	WH	3555249C1
30	K10-GCG	18	WH	3555249C1
31	PLUG	-	-	0453133C1
32	PLUG	-	-	0453133C1
33	PLUG	-	-	0453133C1
34	PLUG	-	-	0453133C1
35	PLUG	-	-	0453133C1
36	PLUG	-	-	0453133C1
37	K5S(-)	18	GN	3555249C1
38	K97F	18	PL	3555249C1
39	K10-GCH	18	WH	3555249C1
40	K10-GCJ	18	WH	3555249C1
41	PLUG	-	-	0453133C1
42	PLUG	-	-	0453133C1
43	PLUG	-	-	0453133C1
44	PLUG	-	-	0453133C1
45	PLUG	-	-	0453133C1
46	K5S(+)	18	YL	3555249C1
47	K99B	18	VT	3555249C1
48	K97C	18	VT	3555249C1
49	K97B	18	VT	3555249C1
50	K10-GCK	18	WH	3555249C1

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
CNA1	11NOV09	INITIAL RELEASE.	A	62696P	310706	CIRCUIT DIAGRAM, PROSTAR
					RELEASE NO. 62696P	DATE 25OCT09

PART NO. AE08059995 SHEET 004

Figure 392 Connector Composites (1091)

https://truckmanualshub.com/

15.4. CONNECTOR COMPOSITES (1093), (1155), (PROSTAR ONLY), P. 5

INTERNATIONAL TRUCK AND ENGINE CORPORATION

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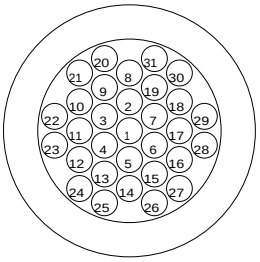
ELECTRICAL CIRCUIT DIAGRAM SUPPLEMENT

CONNECTOR BODY COMPOSITE - MATING VIEW SHOWN

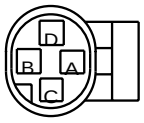
ECM CONNECTOR
(1093)



CONNECTOR 3688256C1

CAV	CIR	GAUGE	COLOR	TERMINAL
1	PLUG	-	-	0453133C1
2	PLUG	-	-	0453133C1
3	PLUG	-	-	0453133C1
4	PLUG	-	-	0453133C1
5	K34A	16	TN	1680205C1
6	K34	16	TN	1680205C1
7	K34B-5V	16	TN	1680205C1
8	PLUG	-	-	0453133C1
9	PLUG	-	-	0453133C1
10	PLUG	-	-	0453133C1
11	PLUG	-	-	0453133C1
12	K23	16	TN	1680205C1
13	PLUG	-	-	0453133C1
14	PLUG	-	-	0453133C1
15	PLUG	-	-	0453133C1
16	PLUG	-	-	0453133C1
17	PLUG	-	-	0453133C1
18	PLUG	-	-	0453133C1
19	K34-G	16	TN	1680205C1
20	PLUG	-	-	0453133C1
21	K47	16	GY	1680205C1
22	K47A	16	GY	1680205C1
23	PLUG	-	-	0453133C1
24	PLUG	-	-	0453133C1
25	PLUG	-	-	0453133C1
26	PLUG	-	-	0453133C1
27	PLUG	-	-	0453133C1
28	PLUG	-	-	0453133C1
29	PLUG	-	-	0453133C1
30	PLUG	-	-	0453133C1
31	PLUG	-	-	0453133C1

LOW COOLANT SENSOR
(1155)



CONNECTOR 1673746C1

CAV	CIR	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	K34	16	TN	1661875C1	1661872C1
B	K34-G	16	TN	1661875C1	1661872C1
C	K34B-5V	16	TN	1661875C1	1661872C1
D	K34A	16	TN	1661875C1	1661872C1

CHK	DATE	CHANGE	REV	REFERENCE
CNA1	11NOV09	INITIAL RELEASE.	A	62696P

DRAWN 310706 | NAME CIRCUIT DIAGRAM, PROSTAR
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Figure 393 Connector Composites (1093), (1155)