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SERVICE MANUAL SECTION

3200, 4100, 4300, 4400, 7300, 7400, 7500, 7600, 7700, 8500, 8600, RXT Models Built May 17, 2010 and Later with 2010 Emission Engines— ELECTRICAL CIRCUIT DIAGRAMS

Model: 3200
Start Date: 05/17/2010

Model: 4100
Start Date: 05/17/2010

Model: 4300
Start Date: 05/17/2010

Model: 4400
Start Date: 05/17/2010

Model: 7300
Start Date: 05/17/2010

Model: 7400
Start Date: 05/17/2010

Model: 7500
Start Date: 05/17/2010

Model: 7600
Start Date: 05/17/2010

Model: 7700
Start Date: 05/17/2010

Model: 8500

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Start Date: 05/17/2010

Model: 8600
Start Date: 05/17/2010

Model: RXT
Start Date: 05/17/2010

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10/15/2010

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2. INSTRUCTIONS AND CHARTS (CHAPTER 2)

2.1. ABBREVIATIONS, P. 1

INTERNATIONAL TRUCK AND ENGINE CORPORATION

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ELECTRICAL CIRCUIT DIAGRAM

ABBREVIATIONS

CHAPTER 2

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

CHK	DATE	CHANGE	REV	REFERENCE
DLV1	18SEP09	INITIAL RELEASE.	A	61229V

DRAWN 310615

NAME CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500

RELEASE NO. 61229V

DATE 18MAY09

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SHEET 001

Figure 1 Abbreviations

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2.2. ACRONYMS, P. 2

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

DESCRIPTION	ACRONYM
HEAVY DUTY DIESEL	HDD
HIGH PERFORMANCE TRUCK	HPT
HEATING, VENTILATION, AND AIR CONDITIONING	HVAC
INJECTOR DRIVE MODULE	IDM
INPUT/OUTPUT	I/O
INTEGRATED MOBILE COMMUNICATION TERMINAL	IMCT
INSTRUMENT PANEL	I/P
INDEPENDENT POWER TAKE-OFF	IPTO
INTERNATIONAL BIG BORE ENGINE	IBBE
LIGHT COMMERCIAL TRANSMISSION	LCT
LOW PRESSURE MODULE	LPM
MEDIUM DUTY	MD
MALFUNCTION INDICATION LAMP	MIL
MULTIPLEX SWITCH MODULE	MSM
PYROMETER AMMETER MODULE	PAM
POWER DISTRIBUTION CENTER	PDC
PROGRAMMABLE LOGIC CONTROLLER	PLC
POWER TAKE-OFF	PTO
PULSE WIDTH MODULATION	PWM
REAR AXLE	RA
RADIO FREQUENCY	RF
ROLL STABILITY PROGRAM	RSP
SEVERE SERVICE	SS
TRANSMISSION CONTROL MODULE	TCM
TERRESTRIAL COMMUNICATION UNIT	TCU
TERRESTRIAL MOBILE COMMUNICATION TERMINAL	TMCT
THERMAL OVERCRANK PROTECTION	TOCP
THROTTLE POSITION SENSOR	TPS
WORLD TRANSMISSION ELECTRONIC CONTROLS	WTEC
VEHICLE SPEED OUTPUT	VSO
VEHICLE SPEED SENSOR	VSS
ZERO VOLT REFERENCE	ZVR
VEHICLE SPEED OUTPUT	VSO
VEHICLE SPEED SENSOR	VSS
ZERO VOLT REFERENCE	ZVR

CHK	DATE	CHANGE	REV	REFERENCE
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Figure 2 Acronyms

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2.3. CIRCUIT DIAGRAM INSTRUCTIONS, P. 3

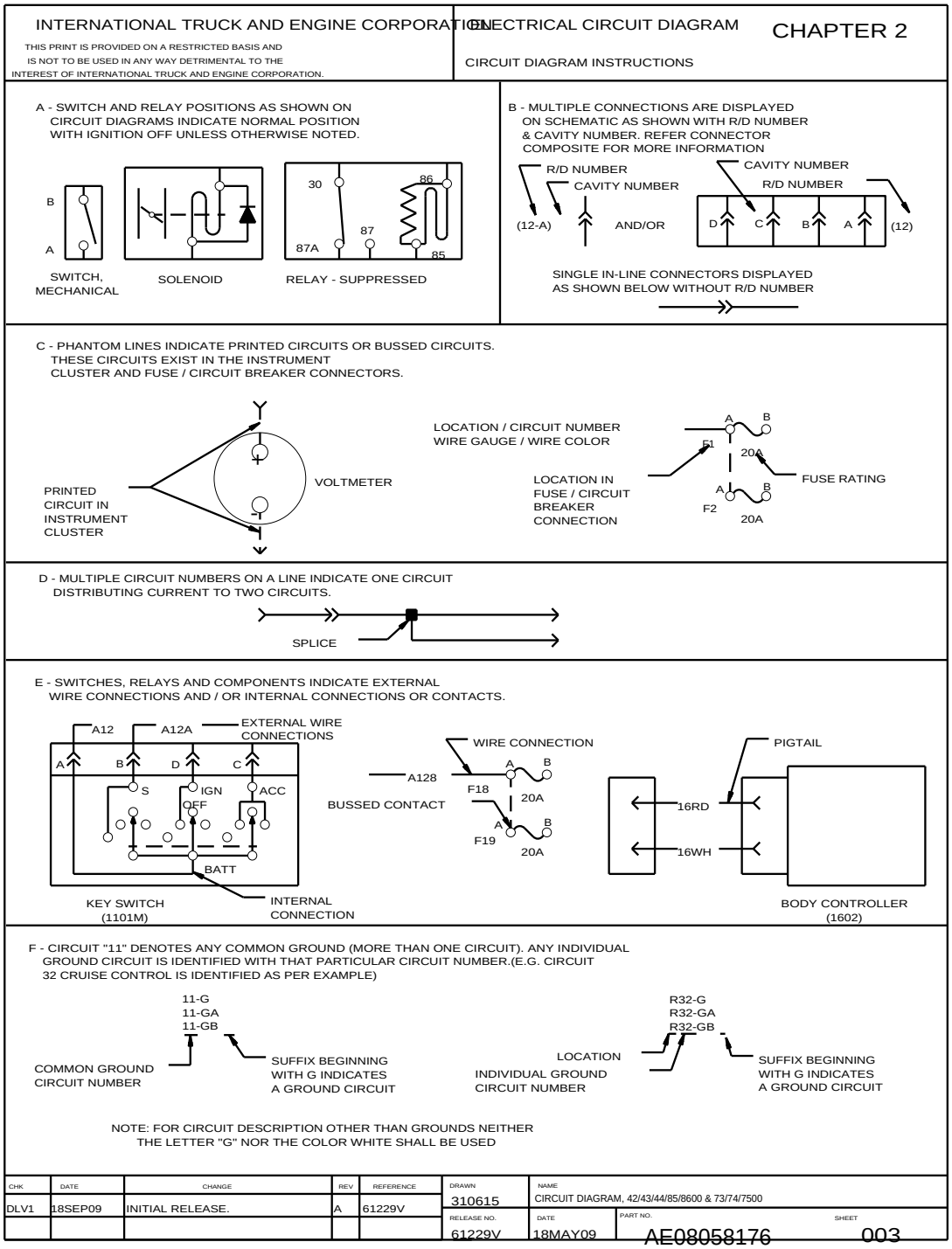


Figure 3 Circuit Diagram Instructions

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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	ZERO VOLT REFERENCE (ZVR)
10	WH	CHASSIS / ENGINE GROUND
11	WH	CAB / SLEEPER GROUND
12	LTBL	ACCESORY FEED
13	PK	IGNITION FEED
	BK	IGNITION FEED (BODY BUILDER CONNECTOR)
14	RD	BATTERY FEED
15	RD	KEY SWITCH FEED
16		
17	PK	STARTER CONTROL
18	PK	GLOW PLUG / PREHEATER
19	GY	ENGINE SHUTDOWN
20	LTGN	REMOTE POWER MODULE
21	TN	COLD START CONTROLS (ETHER)
22	TN	TIRE PRESSURE MONITORING / CONTROL
23	TN	ENGINE FAN / SHUTTERS
24	GY	ENGINE EXHAUST BRAKE
25	TN	PYROMETER
26	TN	AMMETER
27	TN	VOLTMETER
28	TN	INSTRUMENT & GAUGES
29	TN	ENGINE WATER TEMPERATURE
30	TN	ENGINE OIL TEMPERATURE
31	TN	TRANSMISSION OIL TEMPERATURE
32	TN	AXLE OIL TEMPERATURE
33	TN	ENGINE OIL LEVEL
34	TN	COOLANT LEVEL
35	TN	ENGINE OIL PRESSURE
36	TN	FUEL LEVEL
37	TN	FUEL PUMP
38	GY	LIFT AXLE
39	GY	AIR DRYER HEATER
40	GY	LOW AIR PRESSURE WARNING

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
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					RELEASE NO. 61229V	DATE 18MAY09

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Figure 4 Circuit Number Identification and Color

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2.5. CIRCUIT NUMBER IDENTIFICATION AND COLOR, 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 LIGHTS
67	GY	OBSTACLE AVOIDANCE / REMOTE SENSOR
68	BN	TAIL LIGHTS
69	BN	LICENSE PLATE LIGHT
70	OR	STOP LIGHTS
	RD	STOP LIGHTS (BODY BUILDER CONNECTION)
71	OR	BACK-UP LIGHTS
	LTBL	BACK-UP LIGHTS (BODY BUILDER CONNECTION)
72	OR	TRAILER AUXILIARY FEED - BATTERY
73	LTGN	PWM
74	LTGN	HEATER RECIRC MOTOR
75	LTGN	HEATER BLOWER MOTOR
76	LTGN	AUXILIARY FAN
77	LTGN	AIR CONDITIONER
78	LTGN	MIRRORS - HEATED, MOTORIZED
79	GY	SEAT BELTS
80	BK	SLEEPER BOX RELAY - FEED

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
DLV1	18SEP09	INITIAL RELEASE.	A	61229V	310615	CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
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Figure 5 Circuit Number Identification and Color (Cont.)

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2.6. CIRCUIT NUMBER IDENTIFICATION AND COLOR, 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
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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 CHAPTER 2

LAMP BULB CHART

BULB APPLICATION	CANDLEPOWER OR WATT	BULB TRADE NUMBER
BACK-UP LIGHTS	32 CP	GE1156
CLEARANCE & IDENTIFICATION SMALL	3 CP	GE168
COURTESY LIGHT	21 CP	1142
DOME LIGHTS	21 CP	1142
FOG LIGHTS	100 WATT	4921 - 1
LOW BEAMS	55 WATT	GE9007
HIGH BEAMS	60 WATT	GE9007
CIGAR LIGHTER	1 CP	1455
MAP LIGHT	3 CP	1816
SIDE MARKER		2548
STOP & TURN / TAIL & LICENSE PLATE	32 / 3 CP	3157
TURN SIGNAL / MARKER (FENDER)	32 / 3 CP	3157
TURN SIGNAL & MARKER LIGHT		2356
WORK (TRAILER HOOK)	35 WATT	4411
BACK-UP LIGHTS UPPER AND LOWER BUNK READING LIGHT	15 CP	1003
CABINET / WARDROBE LIGHT	5W	7575
UNDER BUNK LIGHT	21 CP / 2(12 CP)	577 / 211
ACCENT LIGHT	2 (12 CP)	211
DOME LIGHT LAMP	15 WATT	F15T8 - CW
SLEEPER FLOOR LIGHT	4 CP	W5W
HEATER AND AIR CONDITIONER CONTROL	3 CP	168
LUGGAGE COMPARTMENT LIGHT	6 CP	99
READING LIGHT	15 CP	1003

CHK	DATE	CHANGE	REV	REFERENCE
DLV1	18SEP09	INITIAL RELEASE.	A	61229V

DRAWN 310615 | NAME CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500

RELEASE NO. 61229V | DATE 18MAY09 | PART NO. AE08058176 | SHEET 007

Figure 7 Lamp Bulb Chart

https://truckmanualshub.com/

2.8. RELAY FUNCTION AND WIRING GUIDE, P. 8

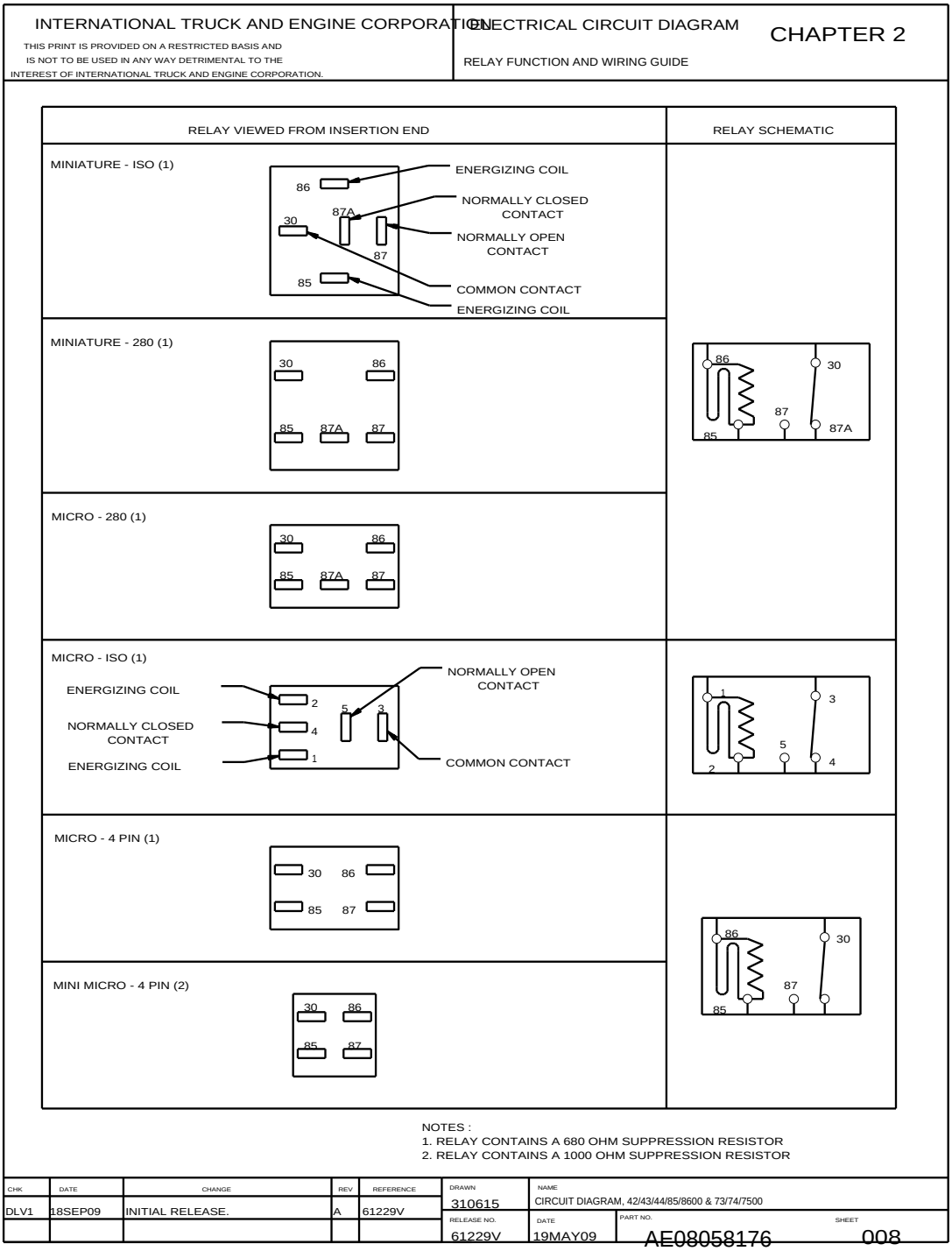


Figure 8 Relay Function and Wiring Guide

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2.9. SCHEMATIC SYMBOL CHART, P. 9

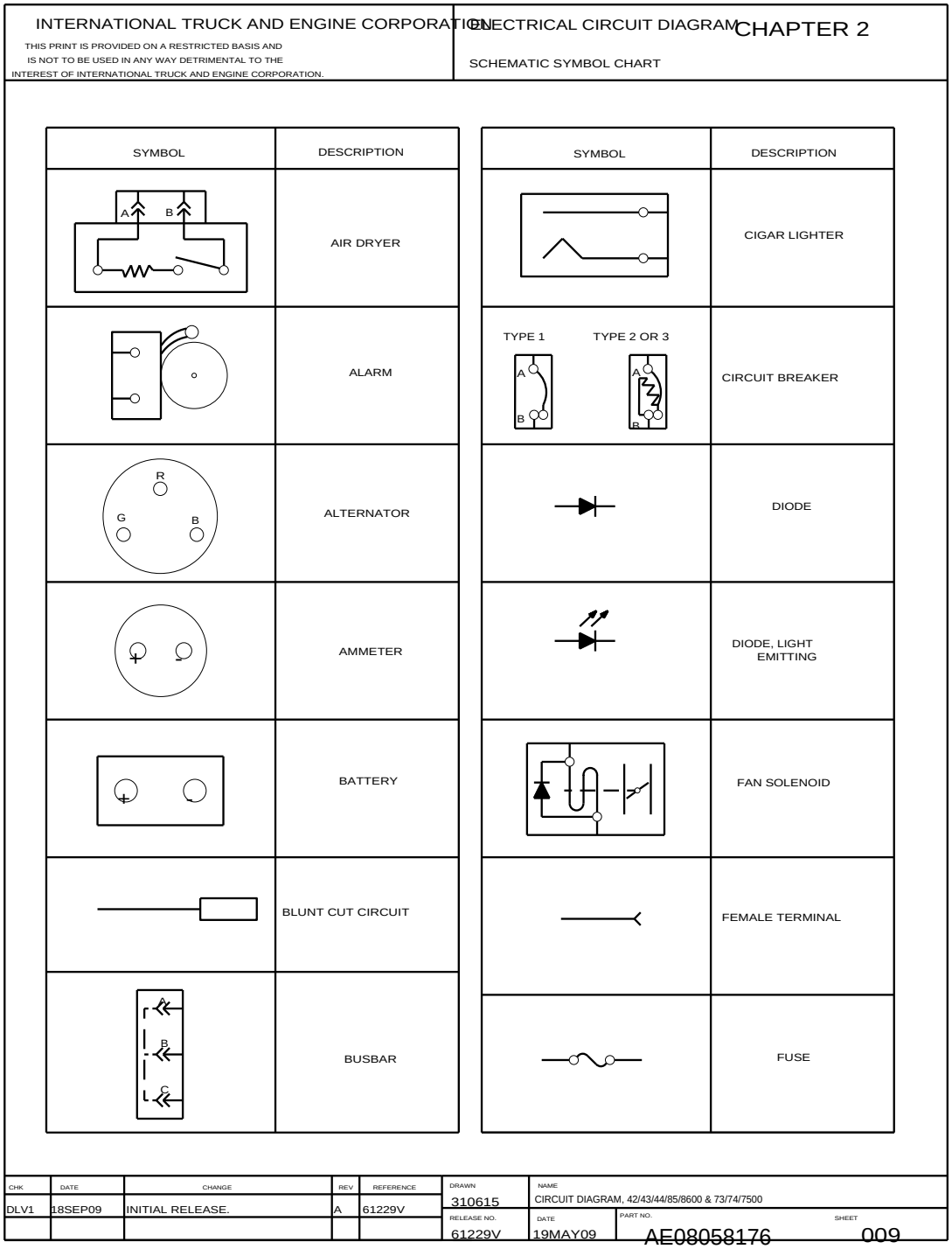


Figure 9 Schematic Symbol Chart

https://truckmanualshub.com/

2.10. SCHEMATIC SYMBOL CHART, P. 10

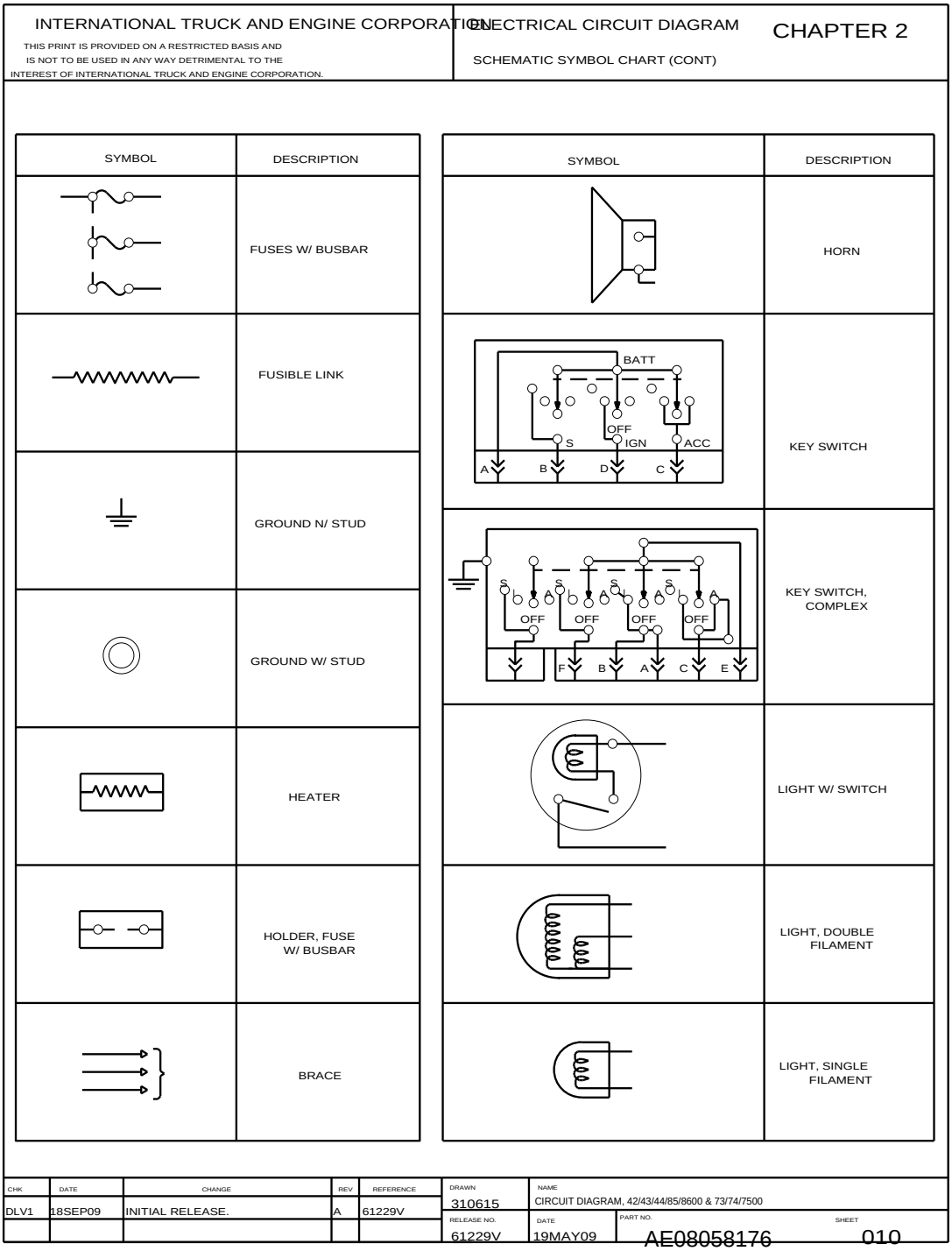


Figure 10 Schematic Symbol Chart (Cont.)

https://truckmanualshub.com/

2.11. SCHEMATIC SYMBOL CHART, P. 11

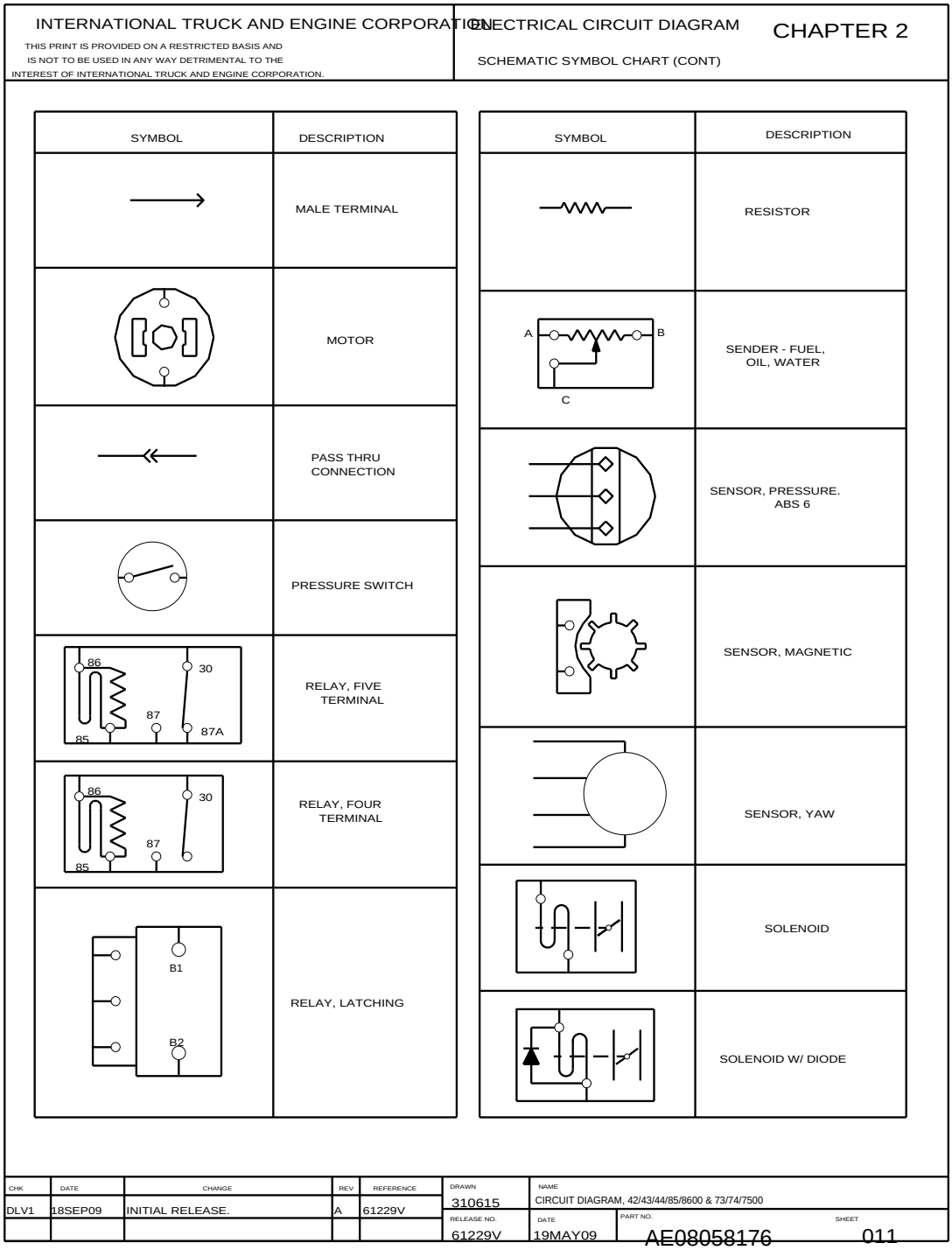


Figure 11 Schematic Symbol Chart (Cont.)

https://truckmanualshub.com/

2.12. SCHEMATIC SYMBOL CHART, P.12

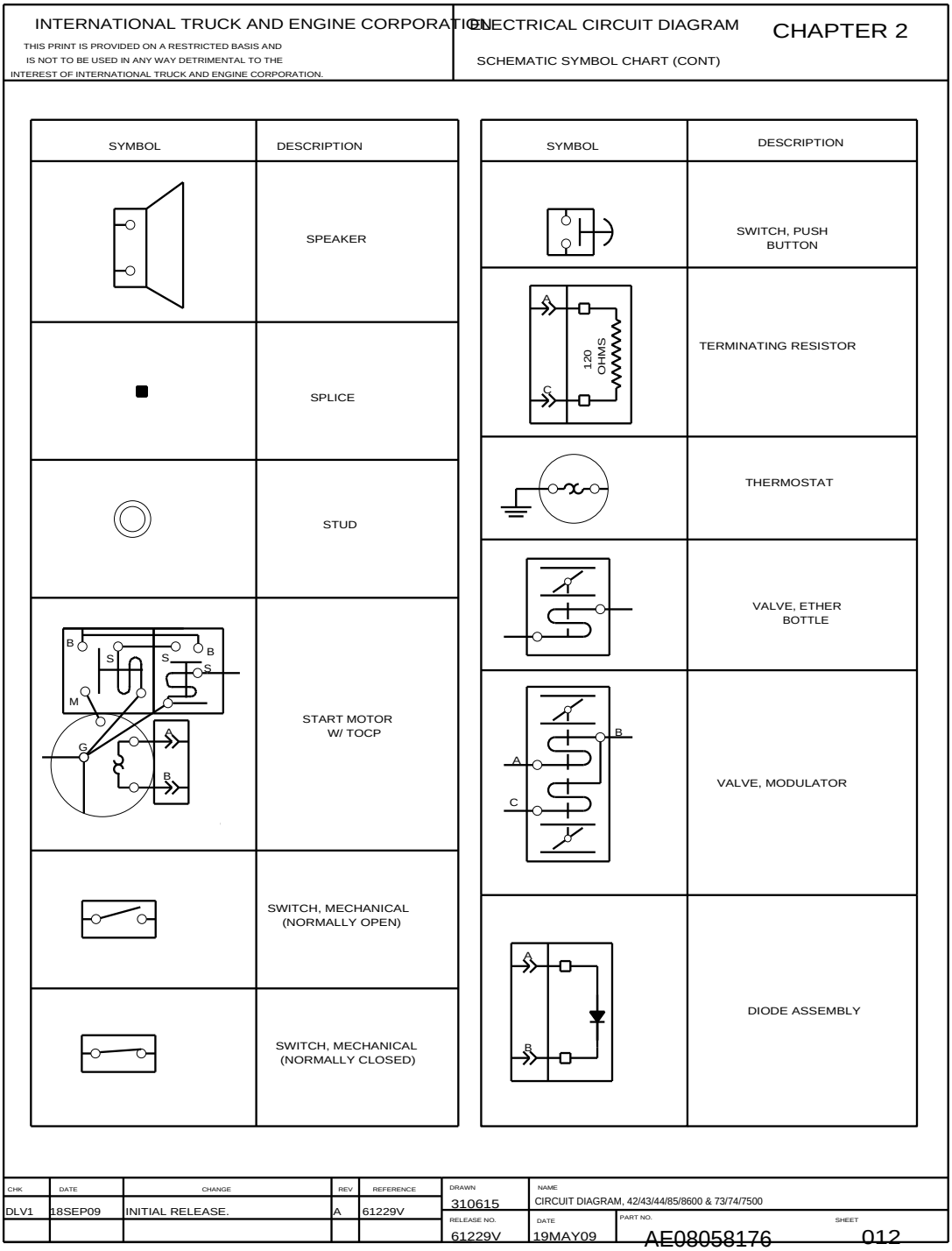


Figure 12 Schematic Symbol Chart (Cont.)

https://truckmanualshub.com/

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

3.1. BATTERY FEED, DUAL, P. 1

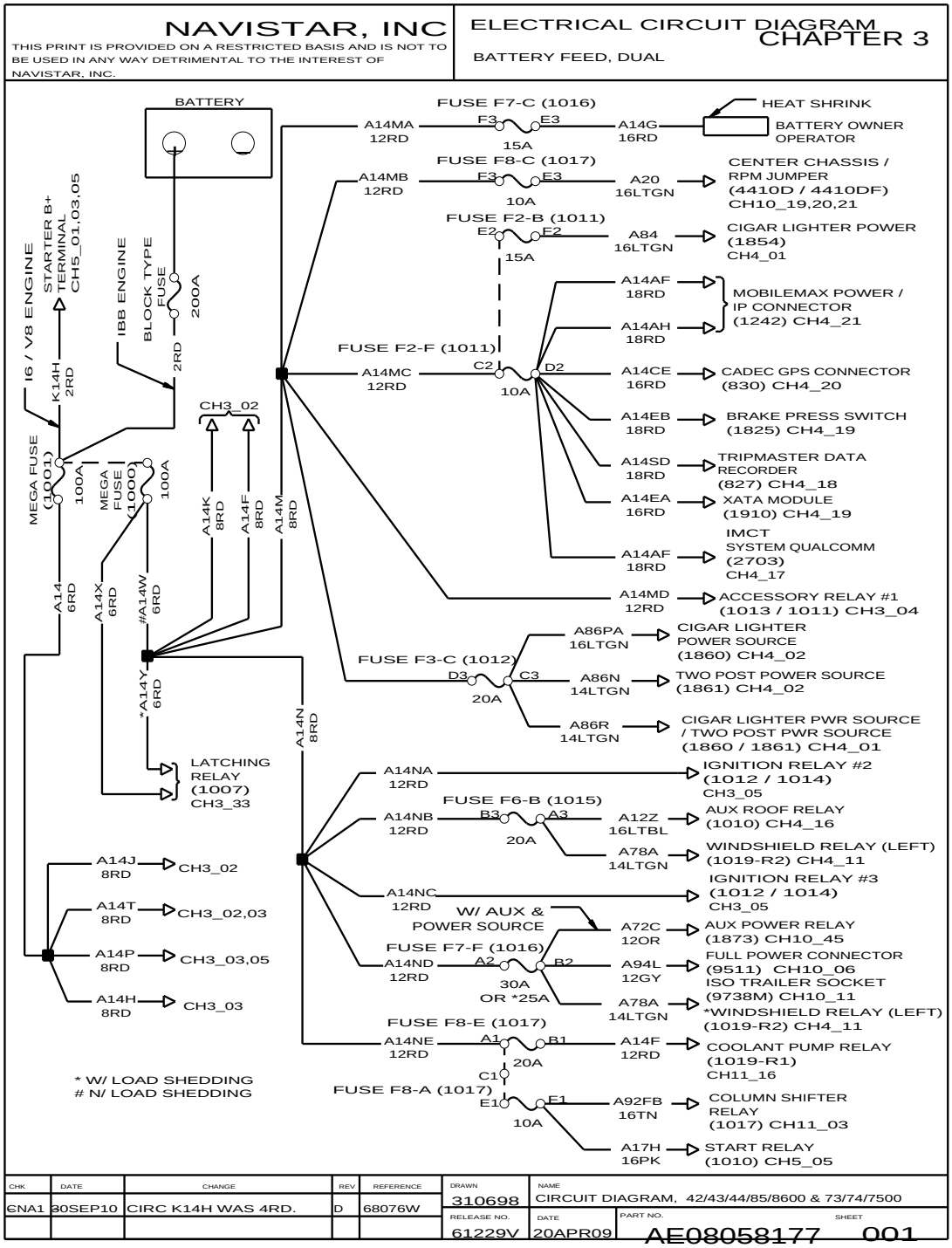


Figure 13 Battery Feed, Dual

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3.2. BATTERY FEED, DUAL, P. 2

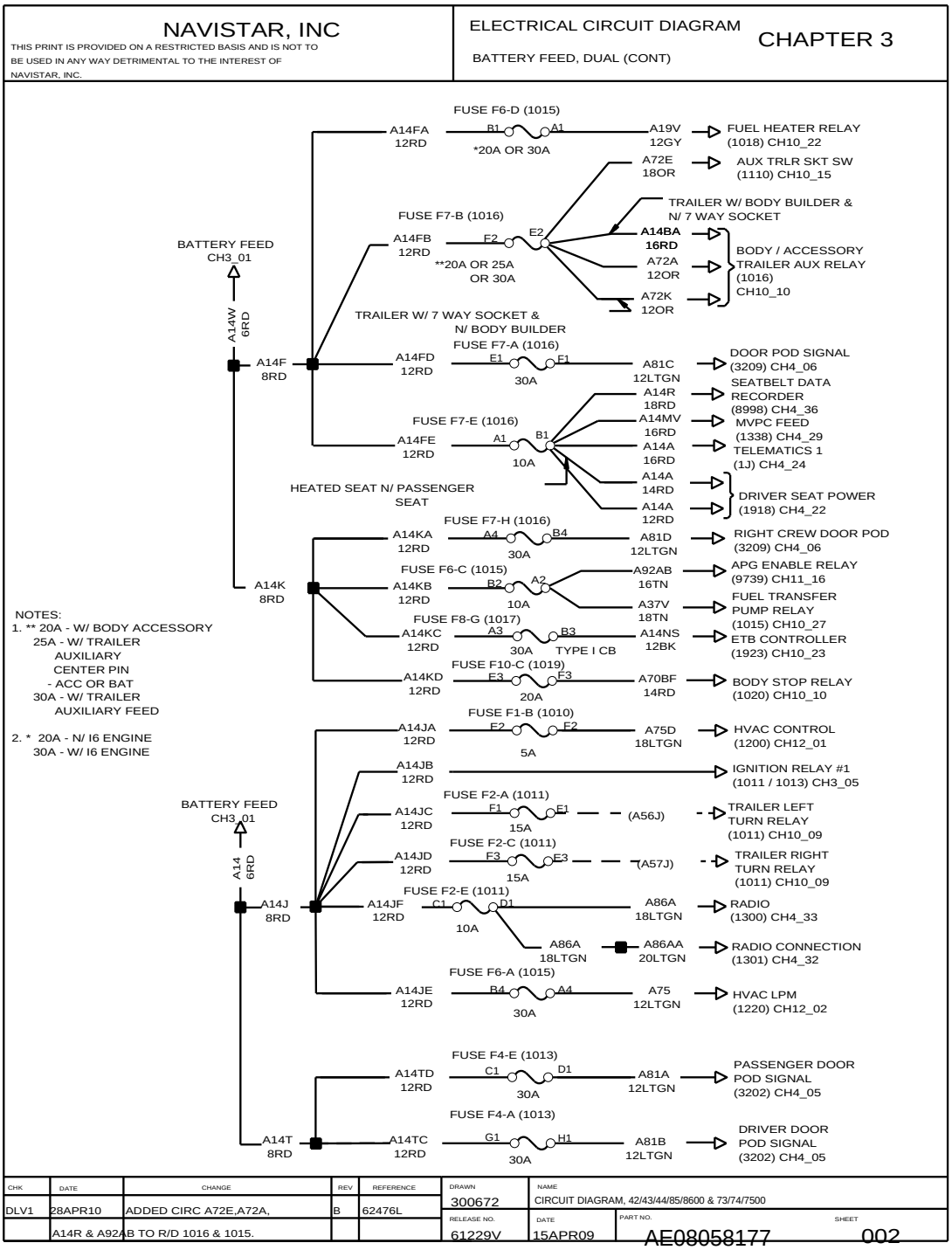


Figure 14 Battery Feed, Dual (Cont.)

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3.3. BATTERY FEED, DUAL, P. 3

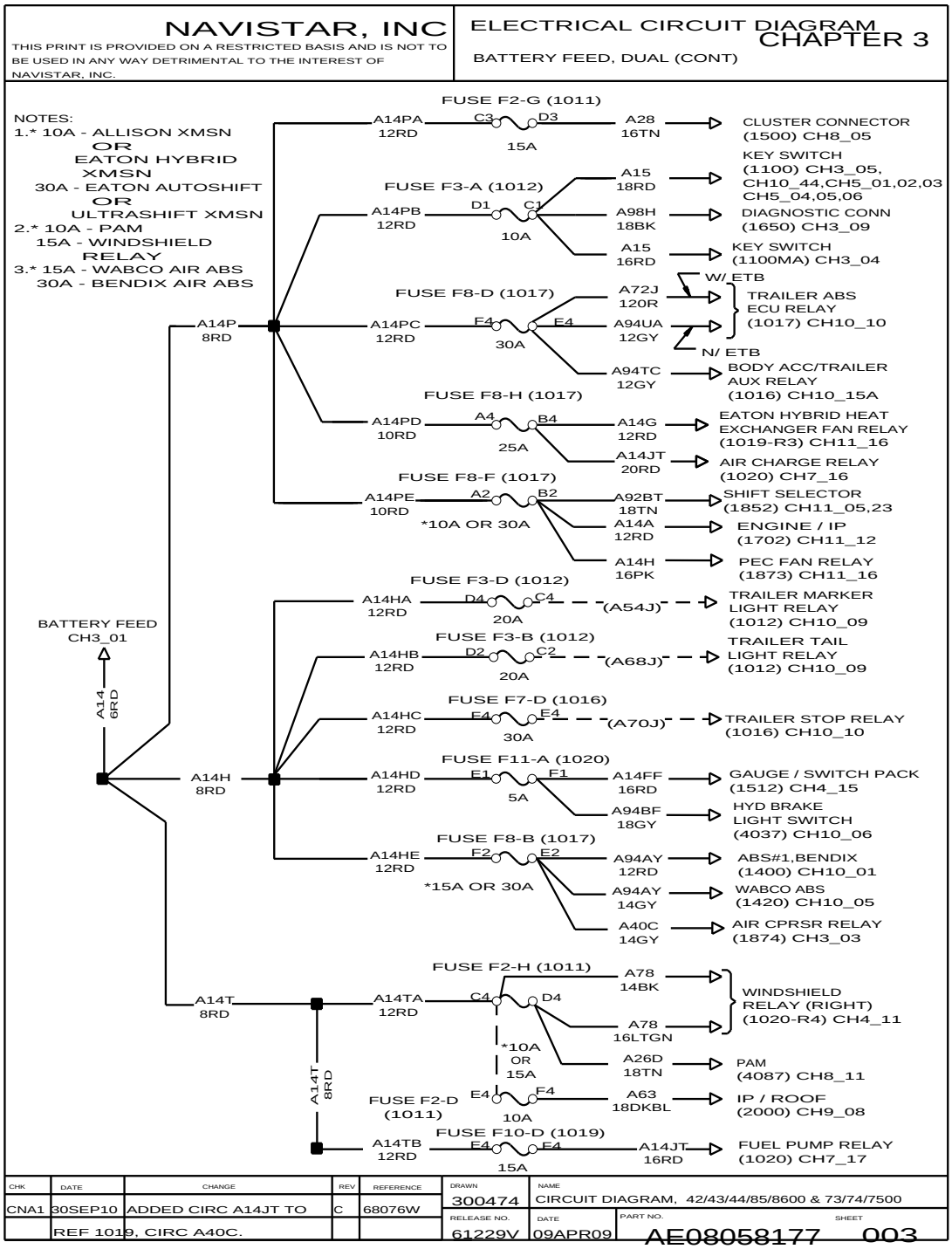


Figure 15 Battery Feed, Dual (Cont.)

https://truckmanualshub.com/

3.4. ACCESSORY FEED, P. 4

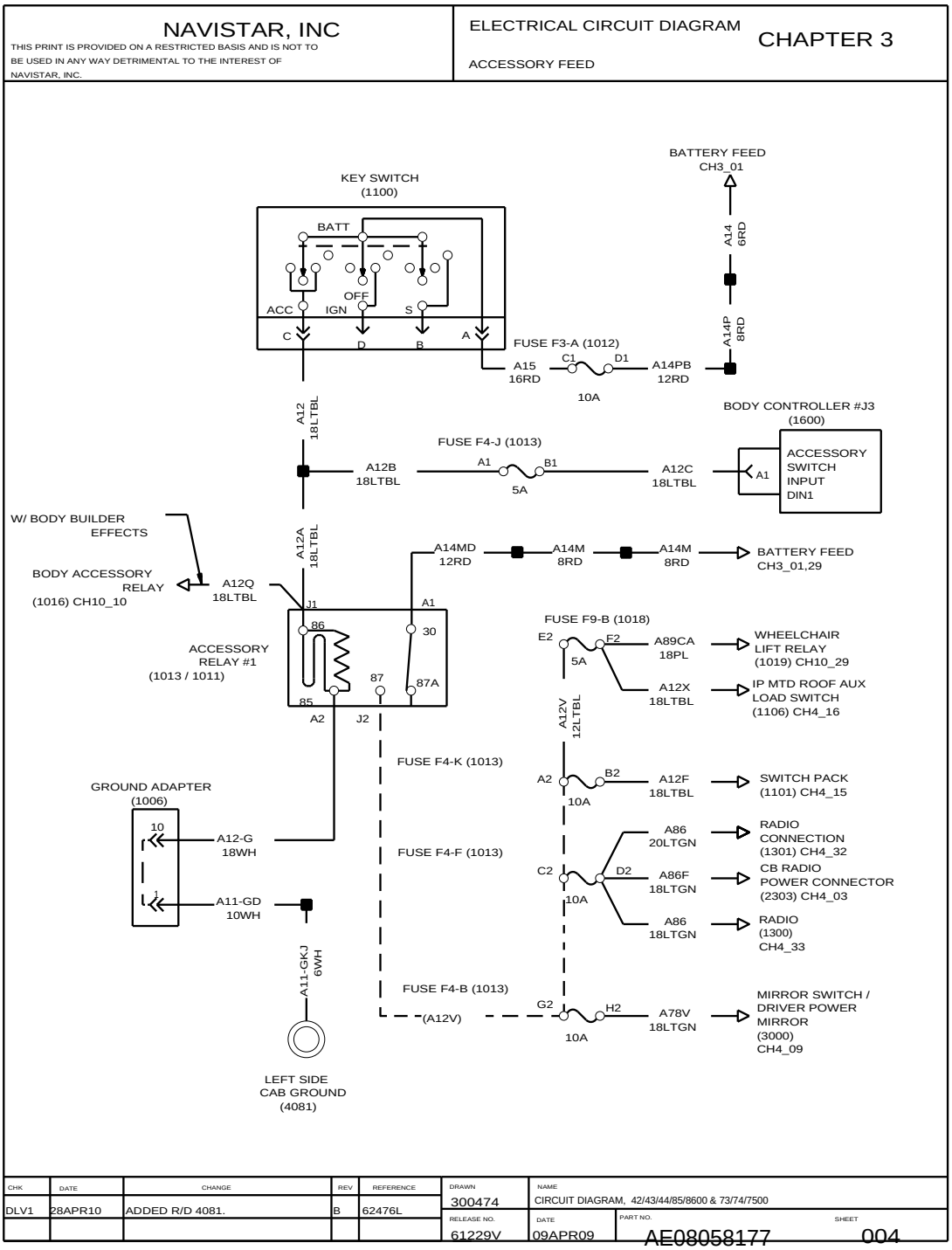


Figure 16 Accessory Feed

https://truckmanualshub.com/

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

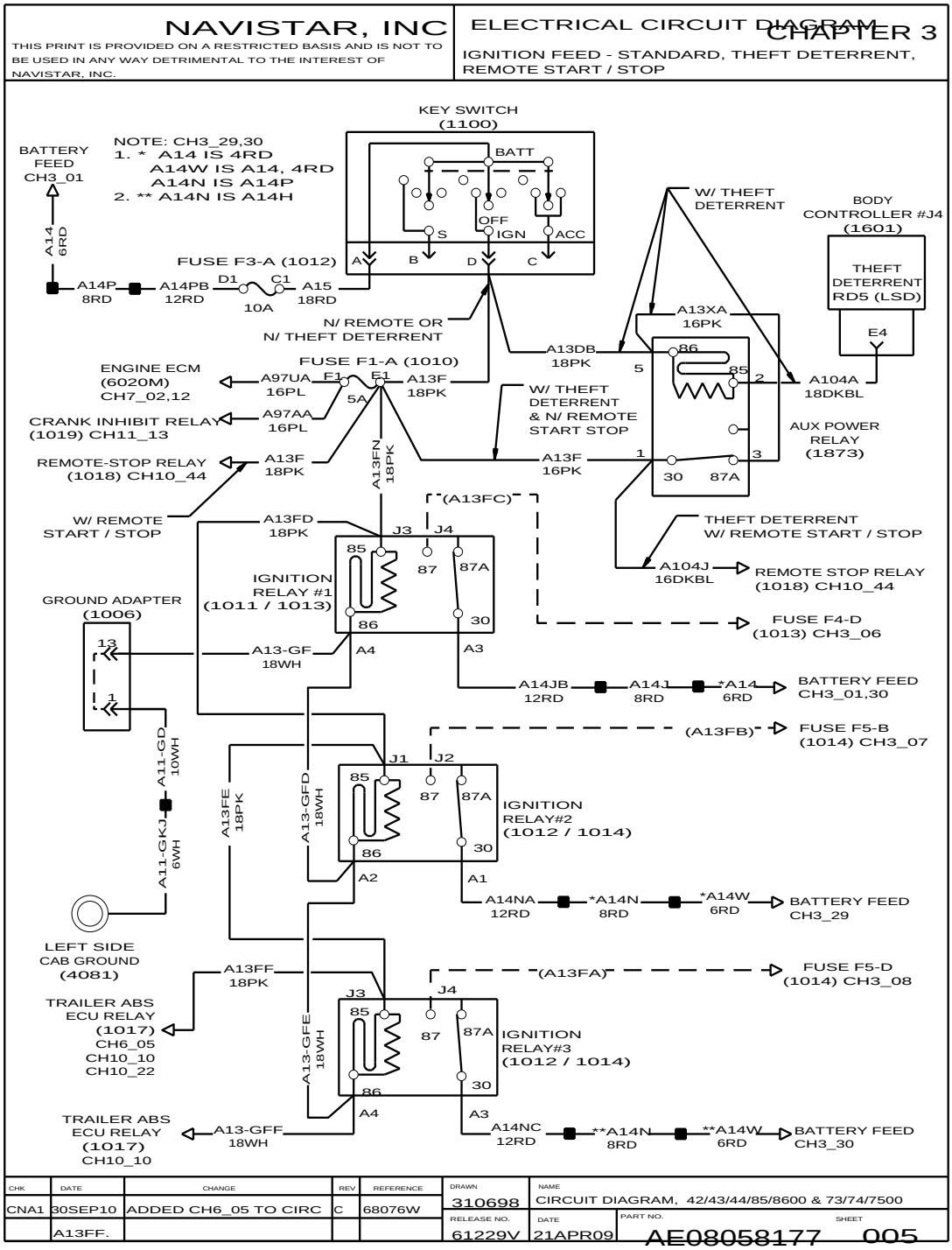


Figure 17 Ignition Feed — Standard, Theft Deterrent, Remote Start/Stop

https://truckmanualshub.com/

3.6. IGNITION FEED RELAY 1, P. 6

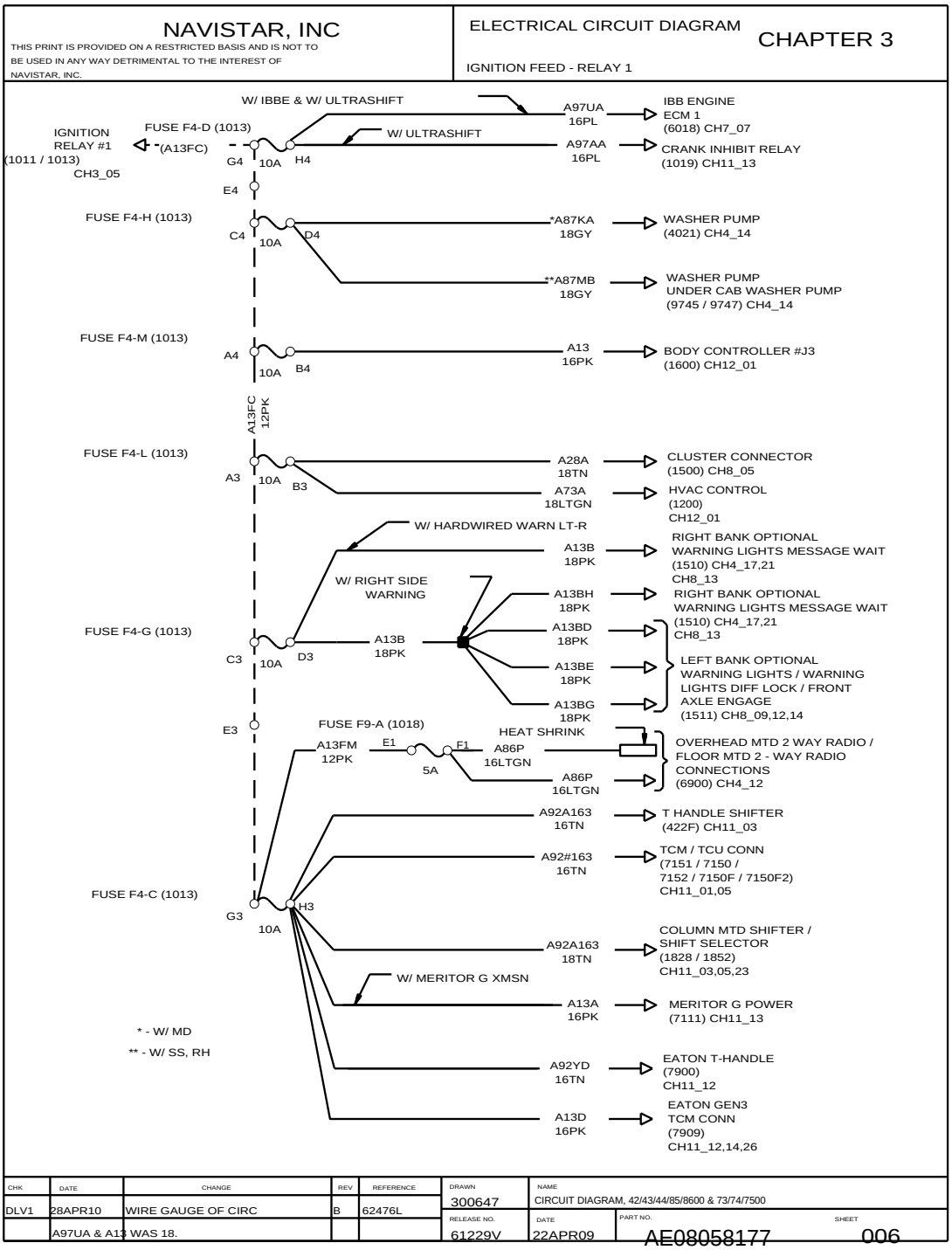


Figure 18 Ignition Feed Relay 1

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3.7. IGNITION FEED RELAY 2, P. 7

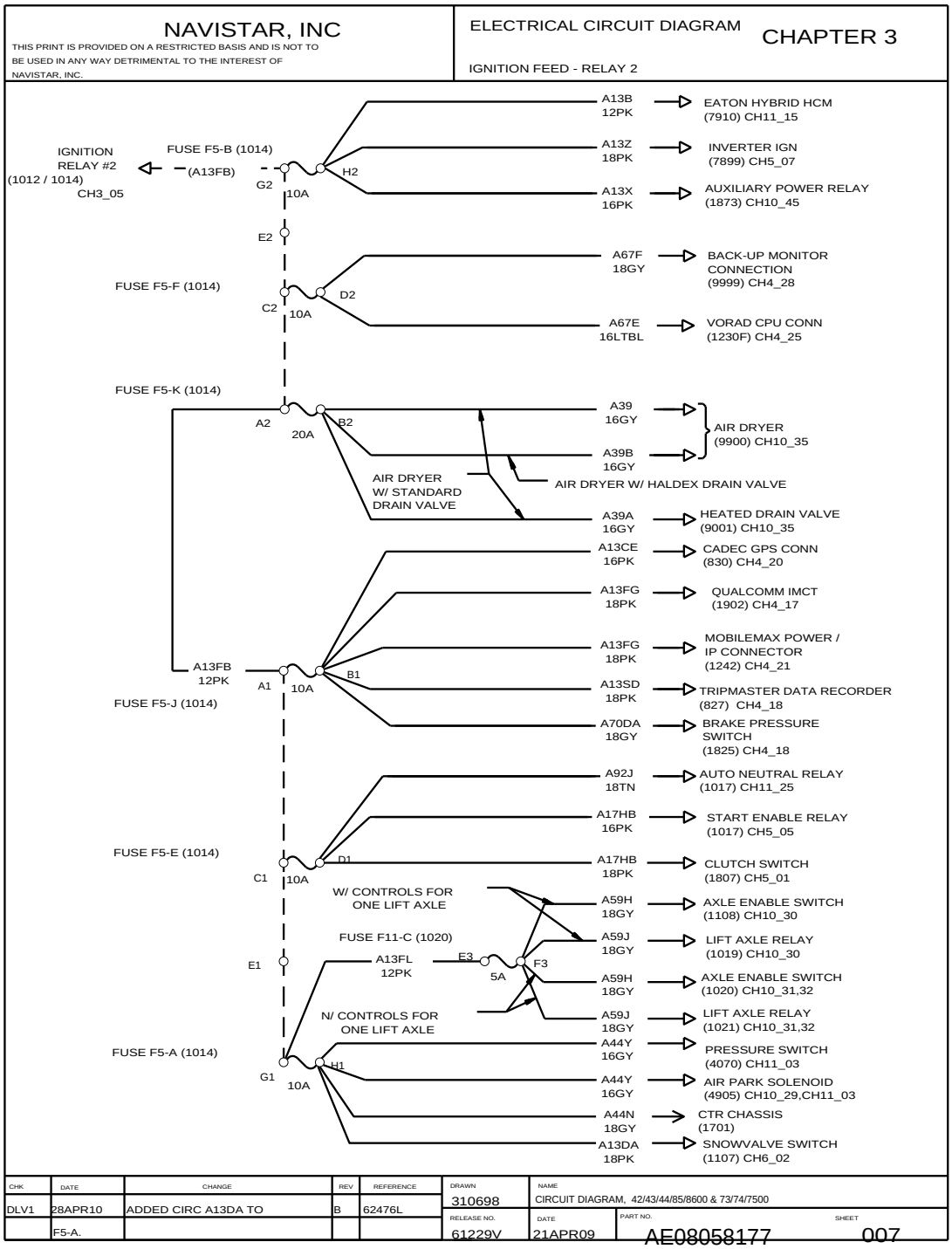


Figure 19 Ignition Feed Relay 2

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3.8. IGNITION FEED RELAY 3, P. 8

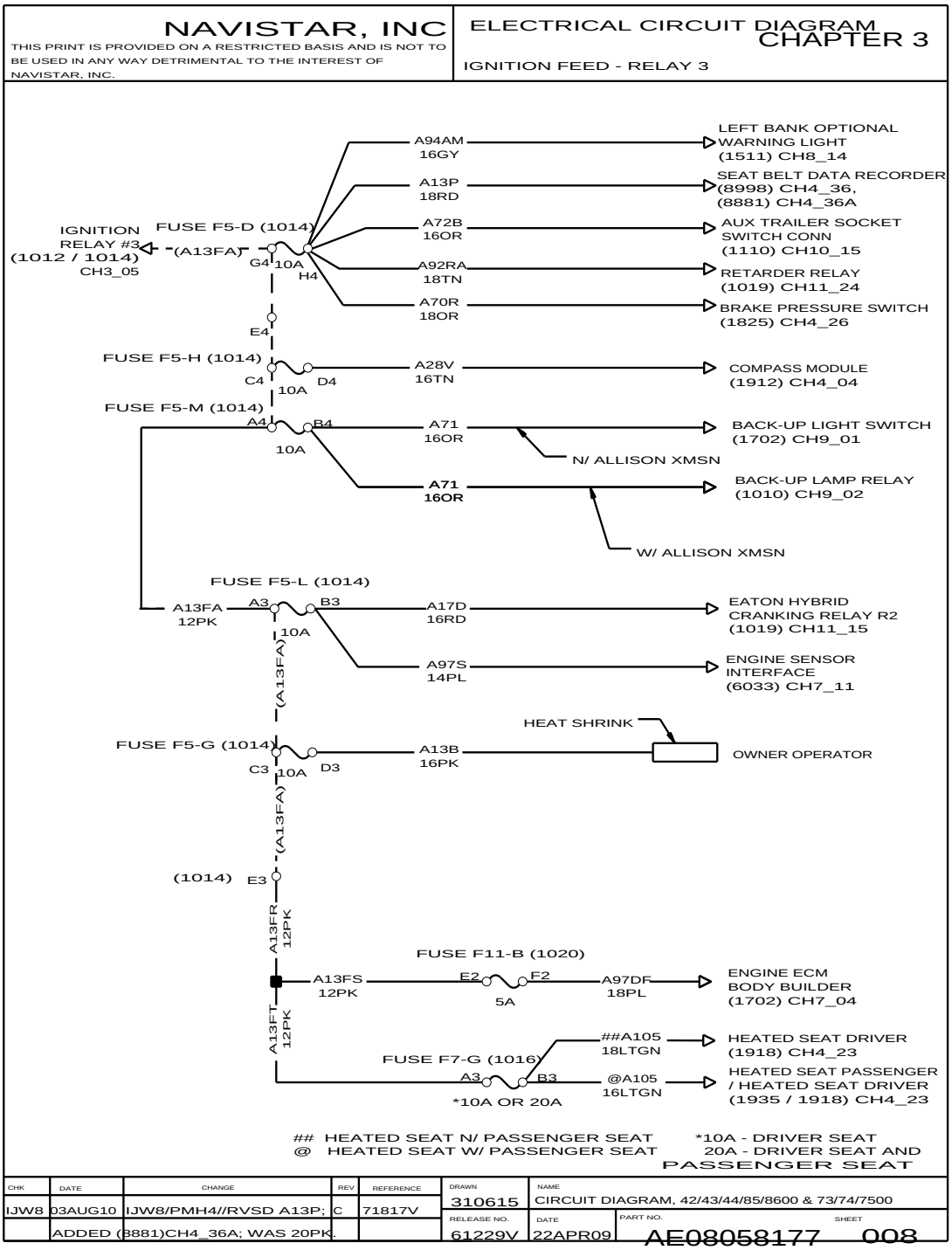


Figure 20 Ignition Feed Relay 3

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

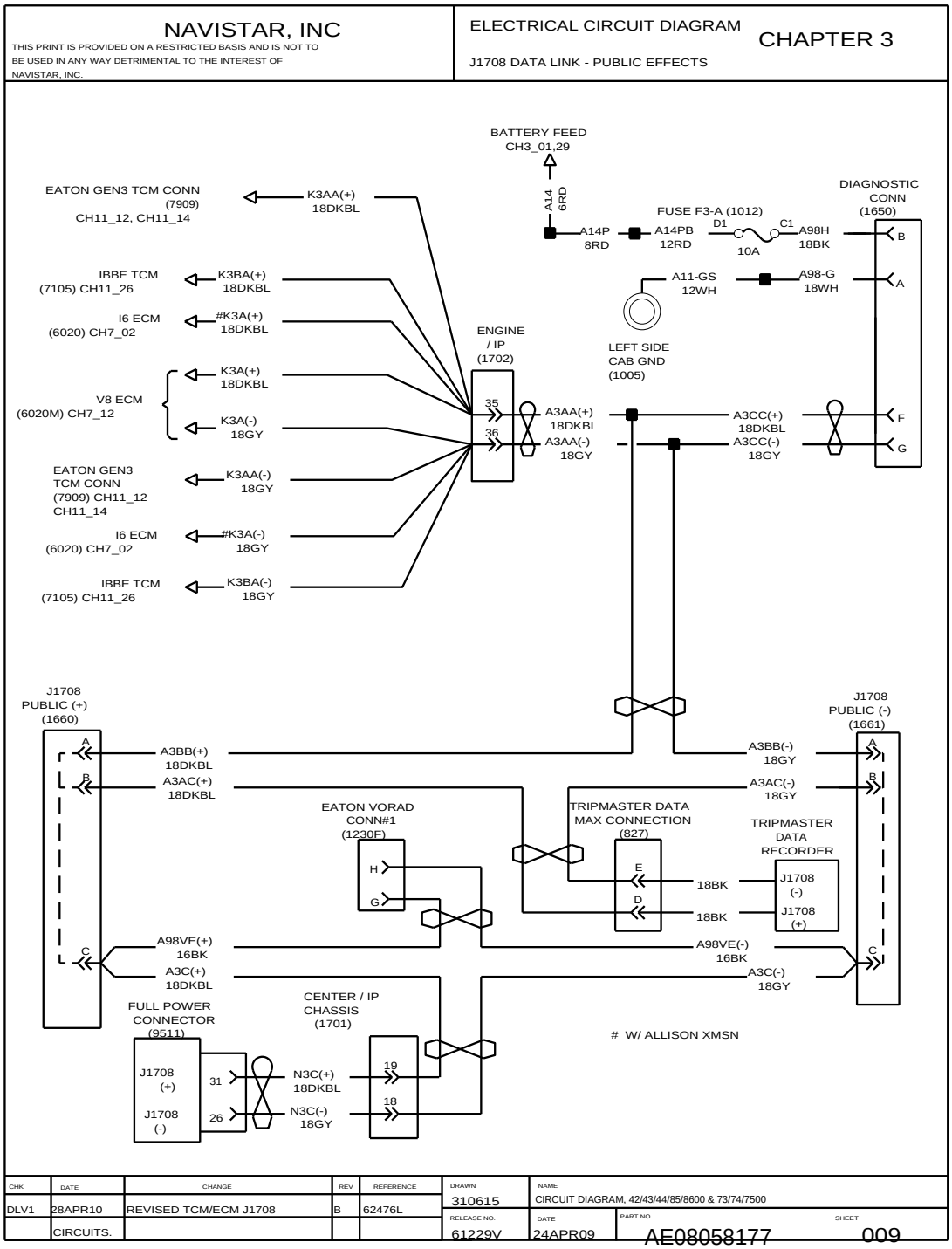


Figure 21 J1708 Data Link — Public Effects

https://truckmanualshub.com/

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

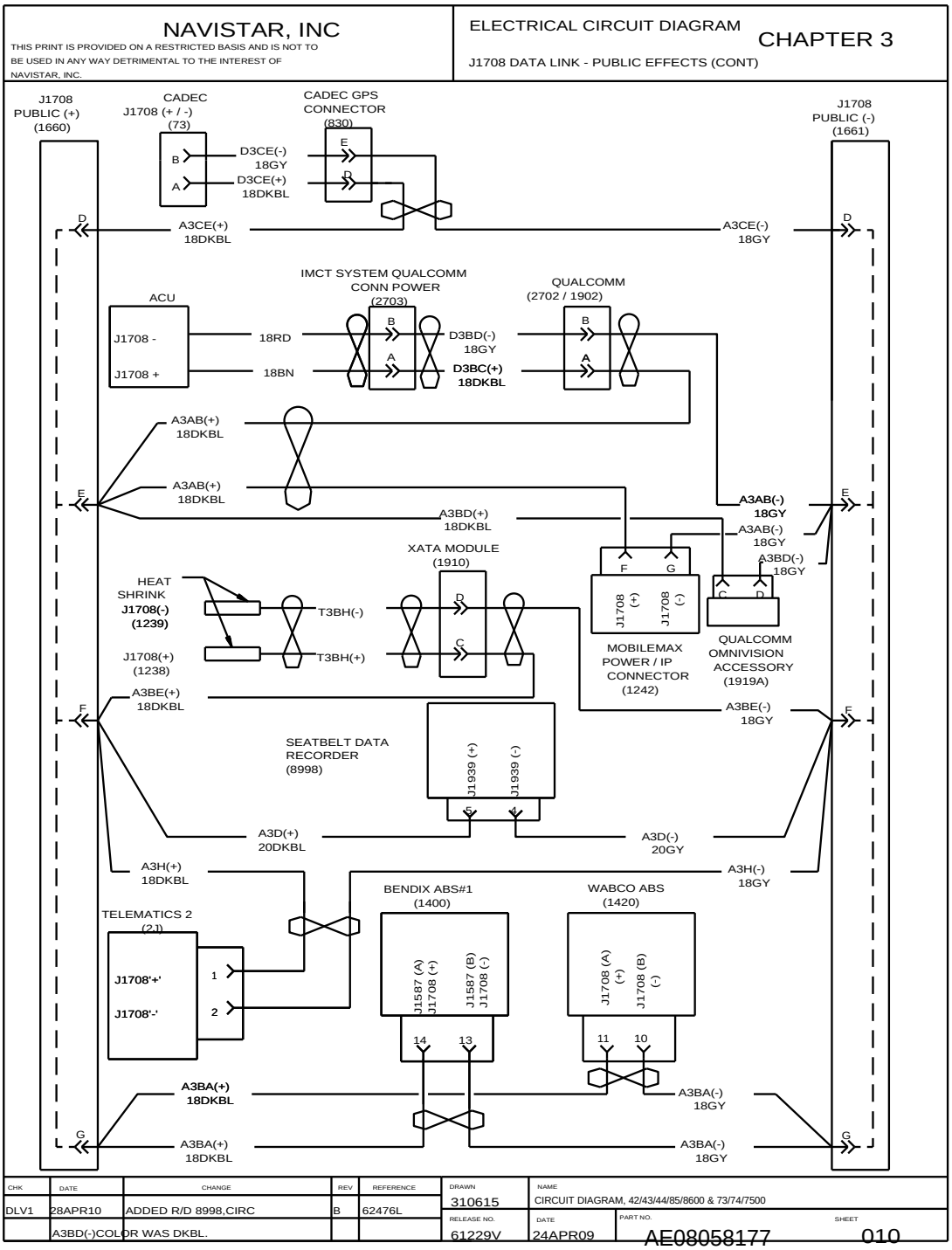


Figure 22 J1708 Data Link — Public Effects (Cont.)

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

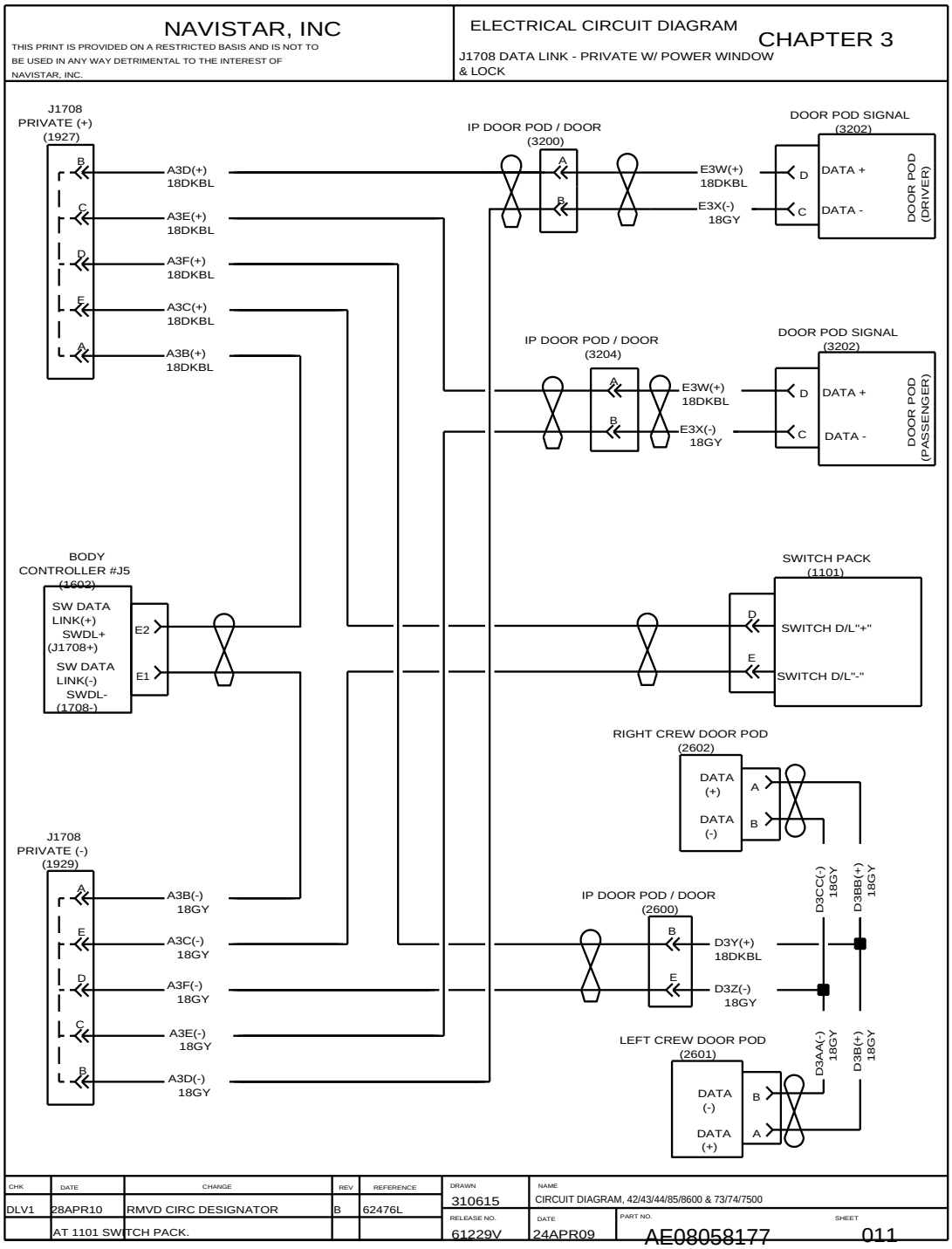


Figure 23 J1708 Data Link — Private with Power Window and Lock

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3.12. J1939 DATA LINK, P. 12

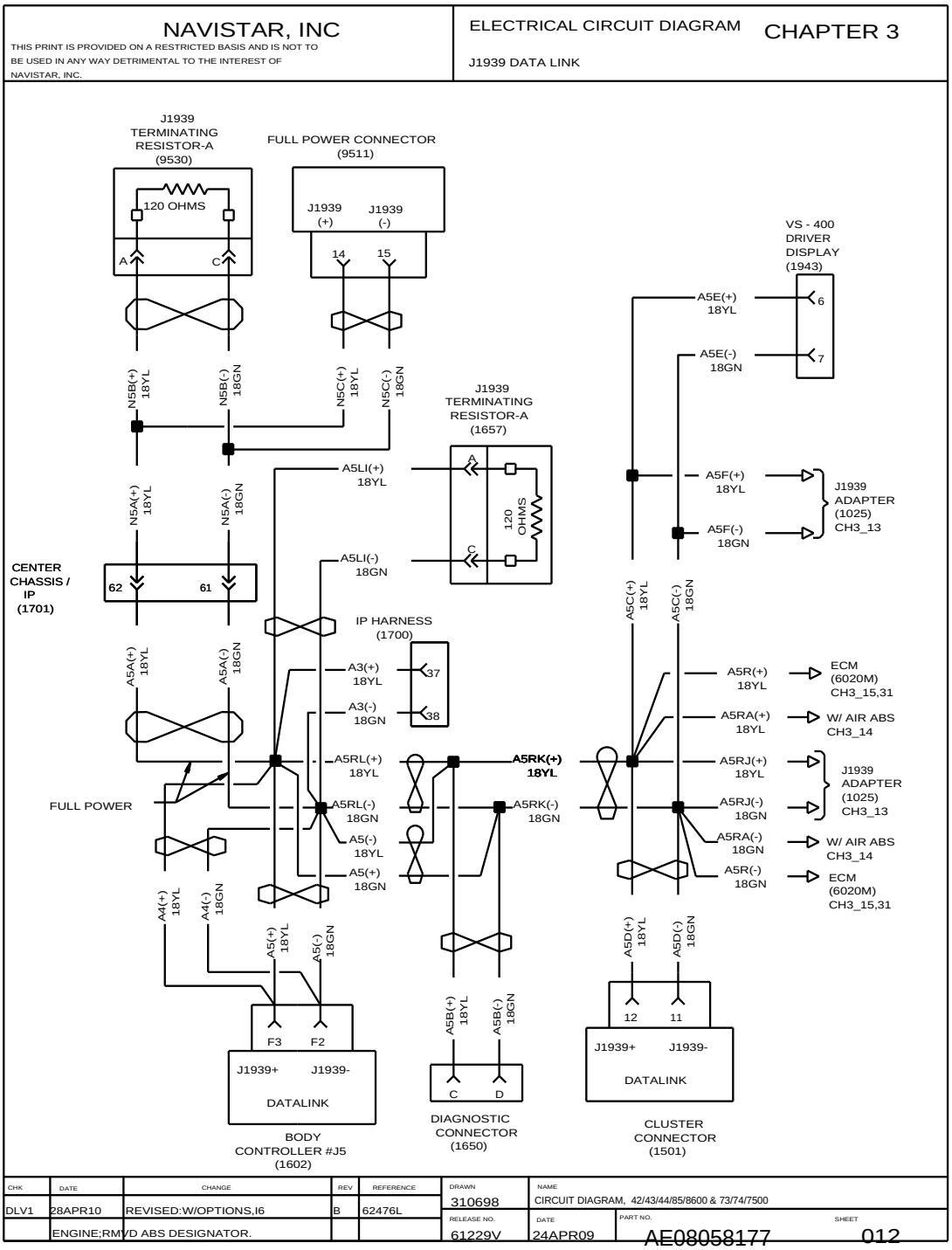


Figure 24 J1939 Data Link

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3.13. J1939 DATA LINK WITH OPTIONS, P. 13

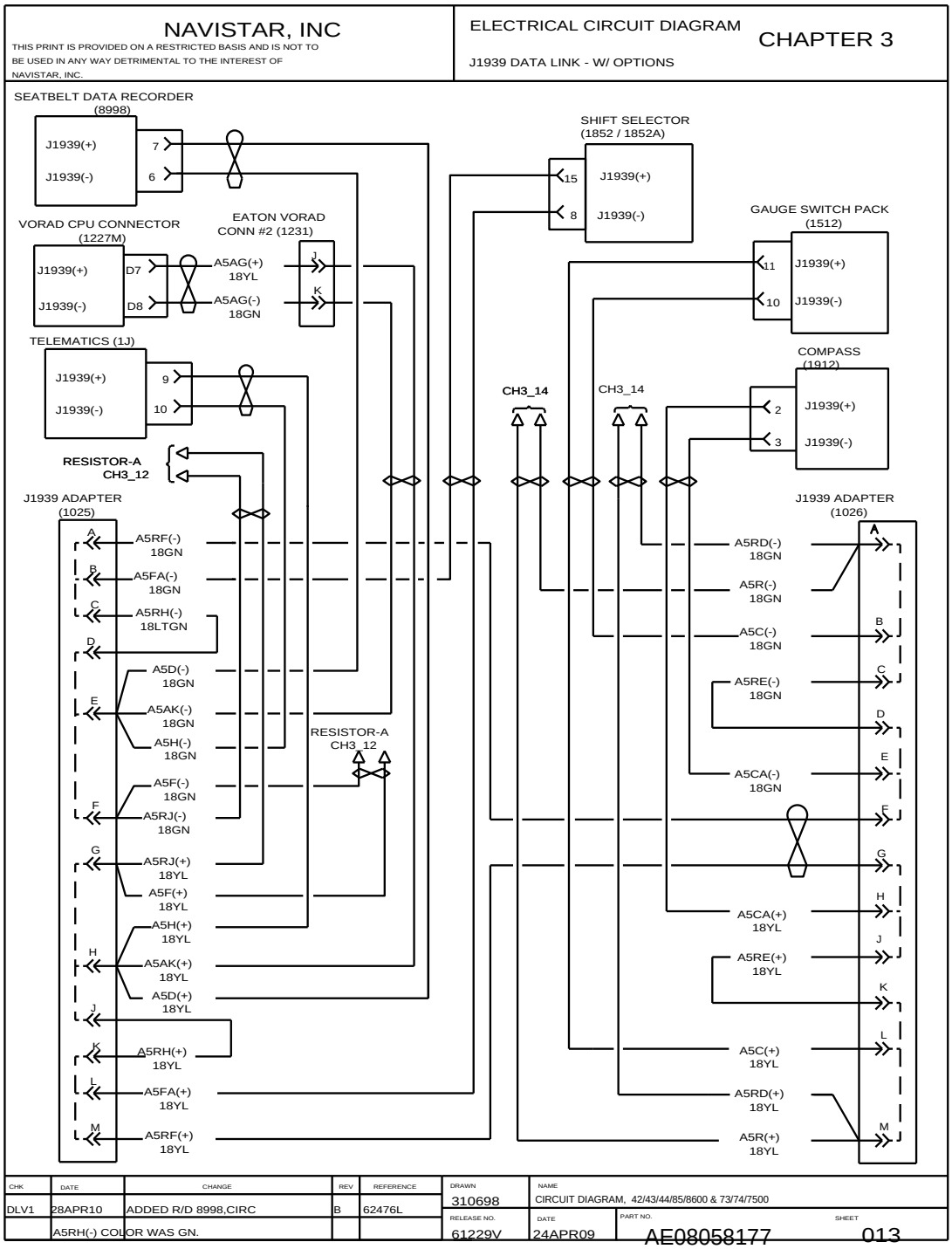


Figure 25 J1939 Data Link with Options

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3.14. J1939 DATA LINK WITH OPTIONS, P. 14

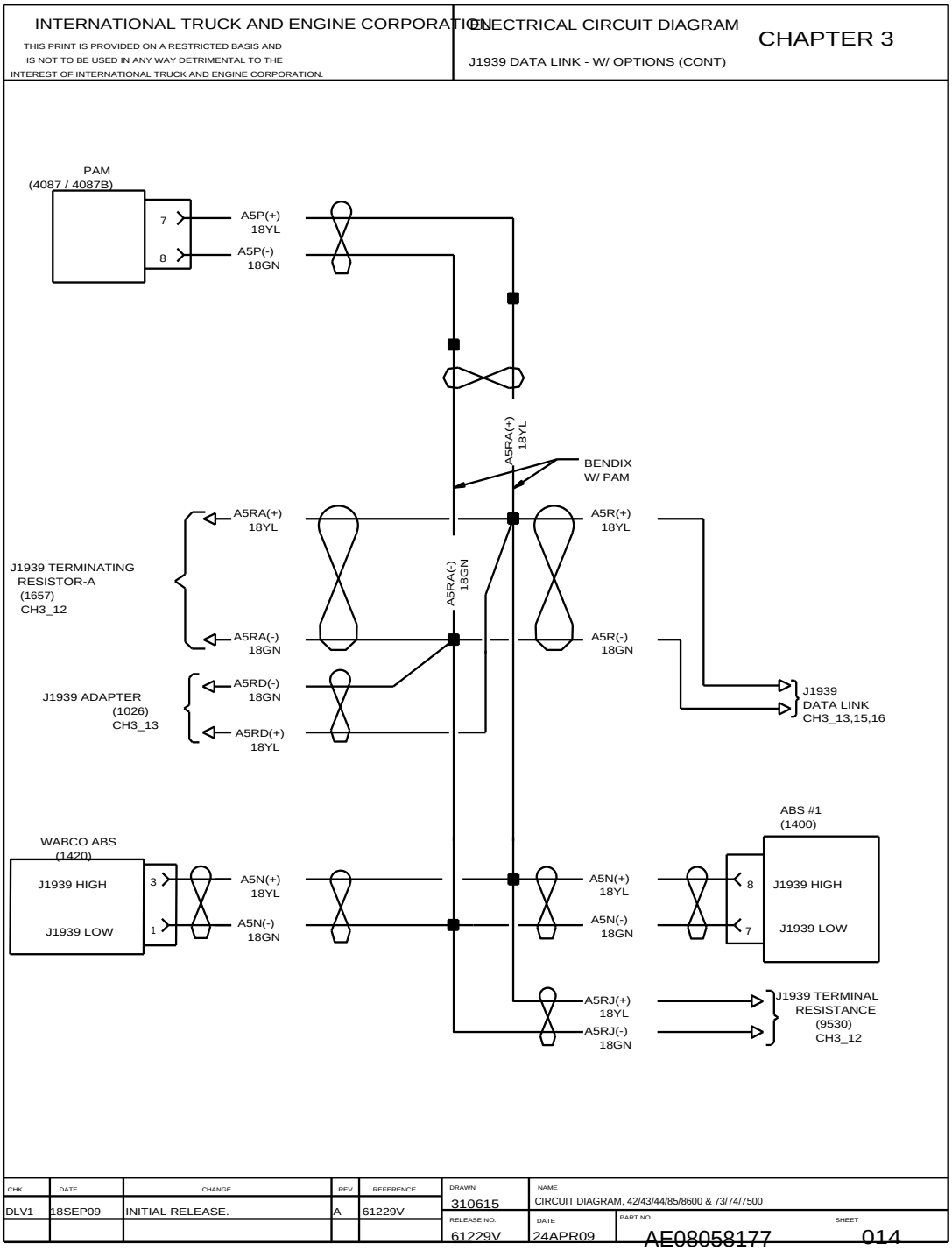


Figure 26 J1939 Data Link with Options

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3.15. J1939 DATA LINK — I6 ENGINE, P. 15

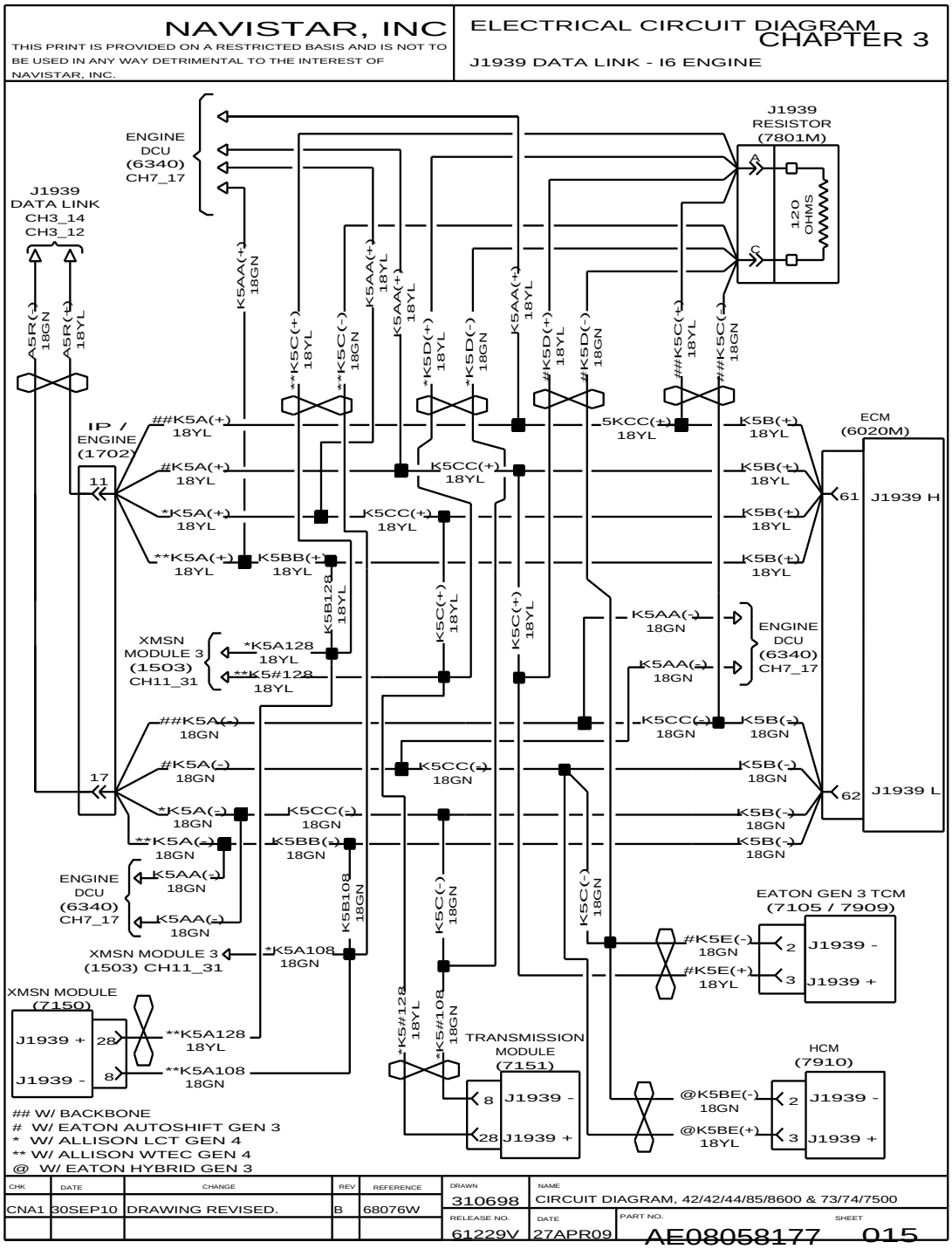


Figure 27 J1939 Data Link — I6 Engine

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3.16. J1939 DATA LINK — IBB ENGINE, P. 16

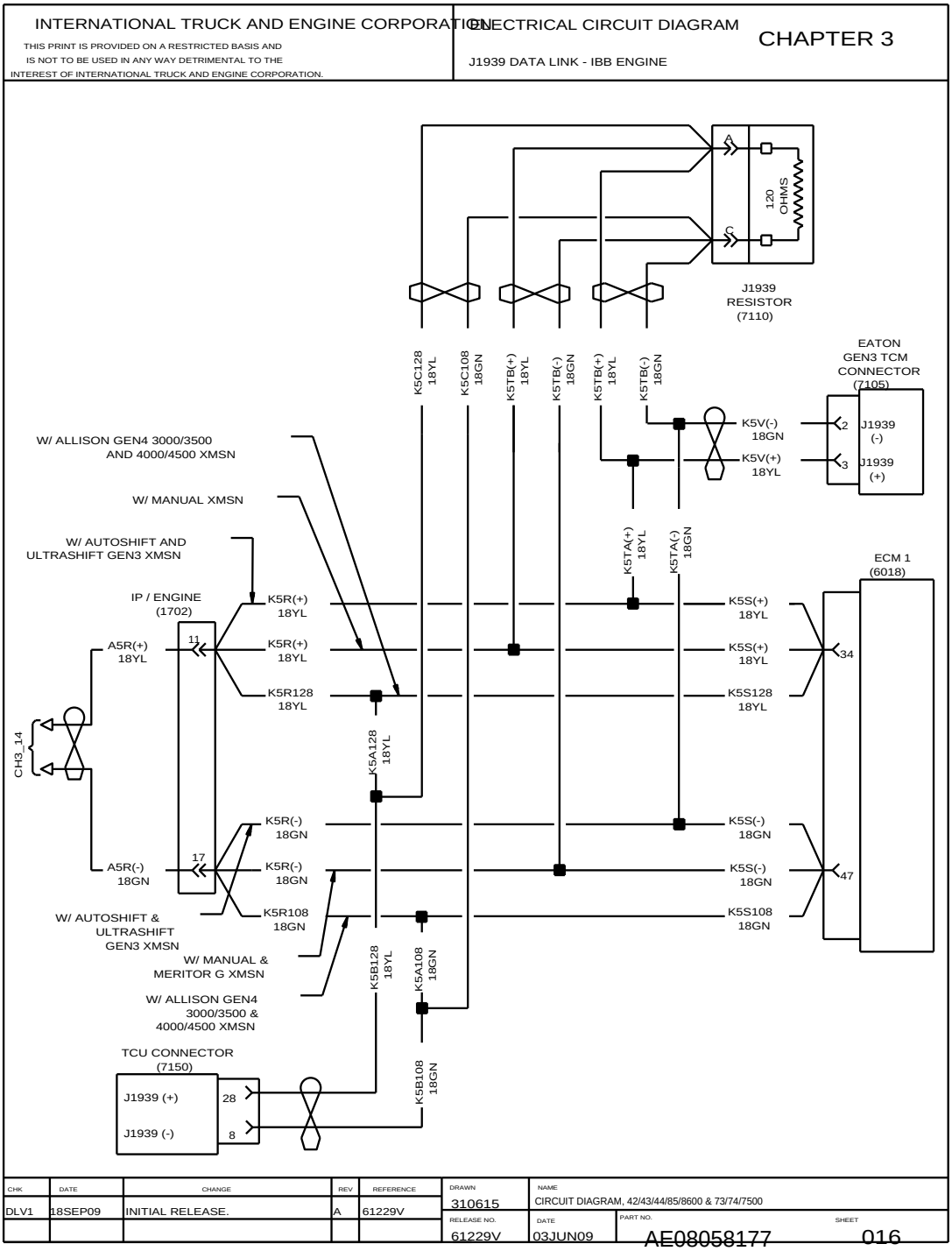


Figure 28 J1939 Data Link — IBB Engine

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3.17. GROUND — IP, P. 17

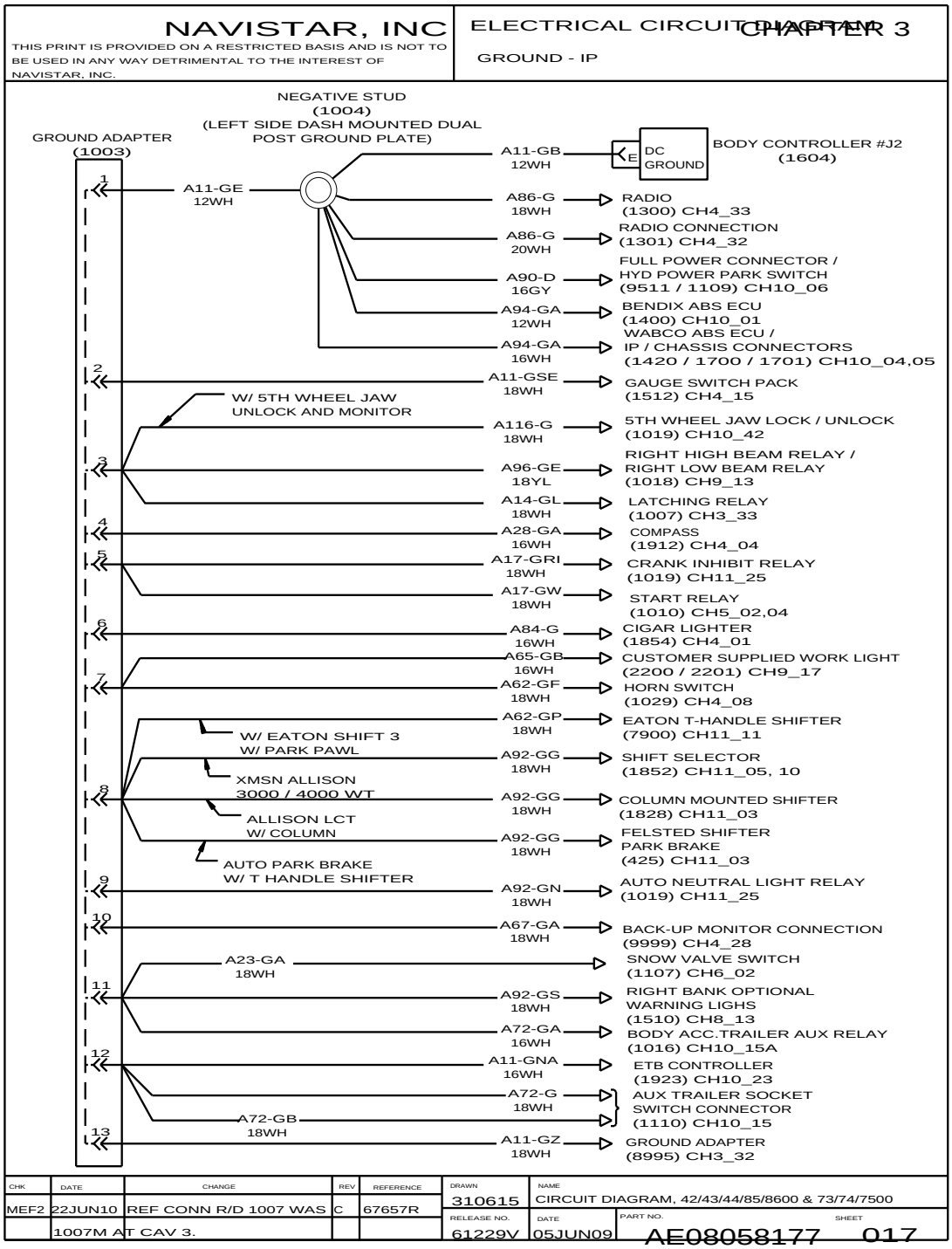


Figure 29 Ground — IP

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3.18. GROUND — IP, P. 18

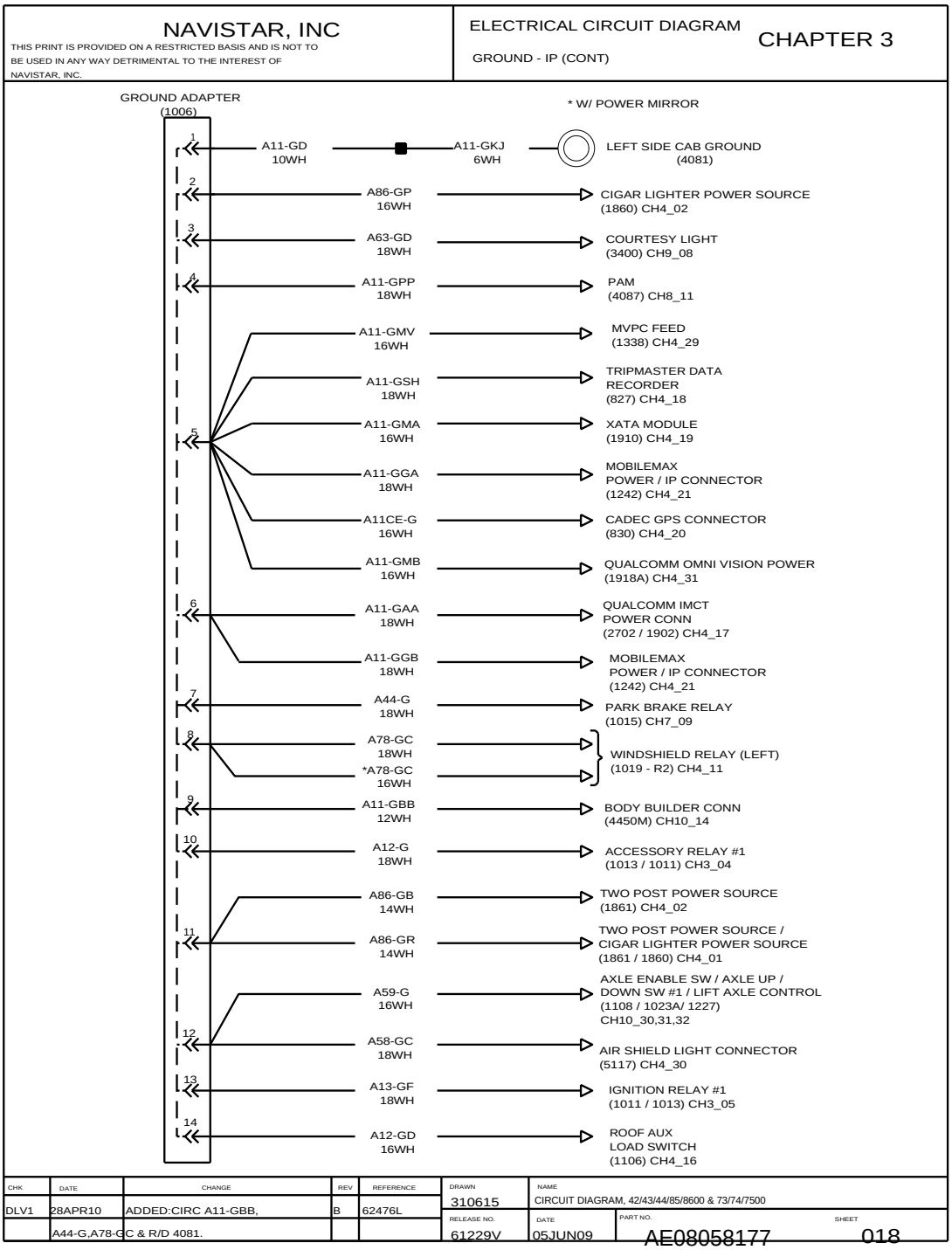


Figure 30 Ground — IP

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3.19. GROUND — IP, P. 19

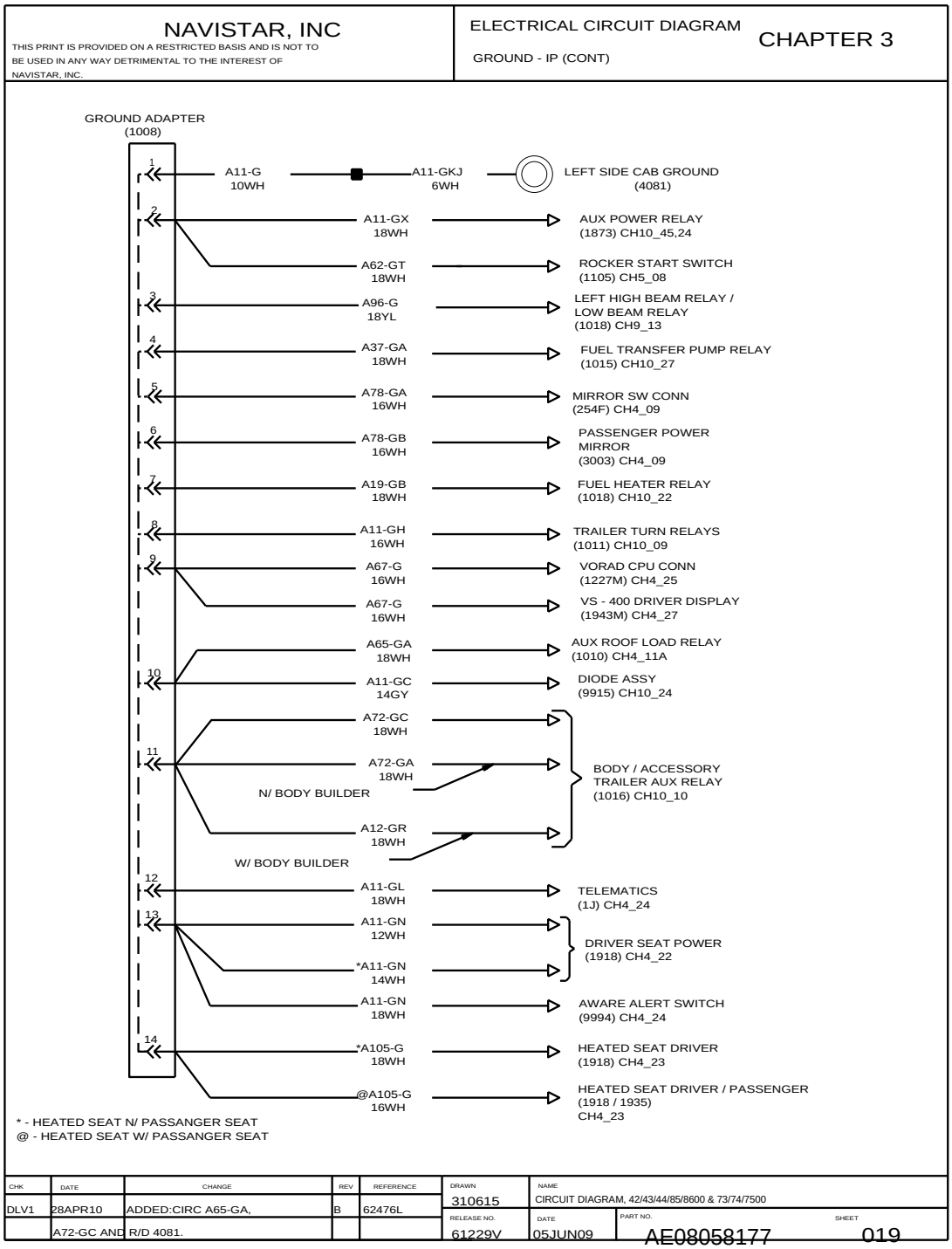


Figure 31 Ground — IP (Cont.)

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3.20. GROUND — IP, P. 20

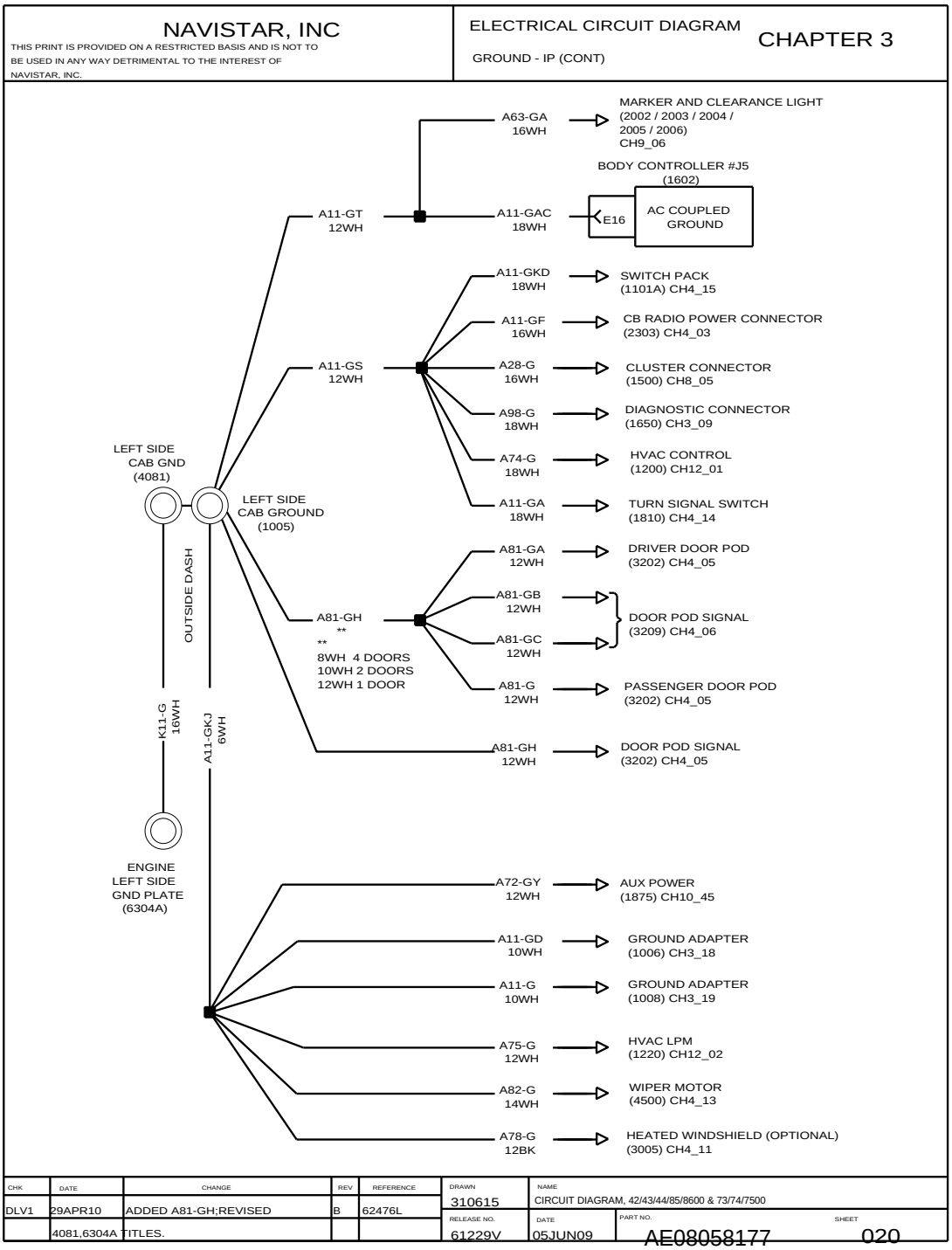


Figure 32 Ground — IP (Cont.)

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3.21. GROUND — CHASSIS, P. 21

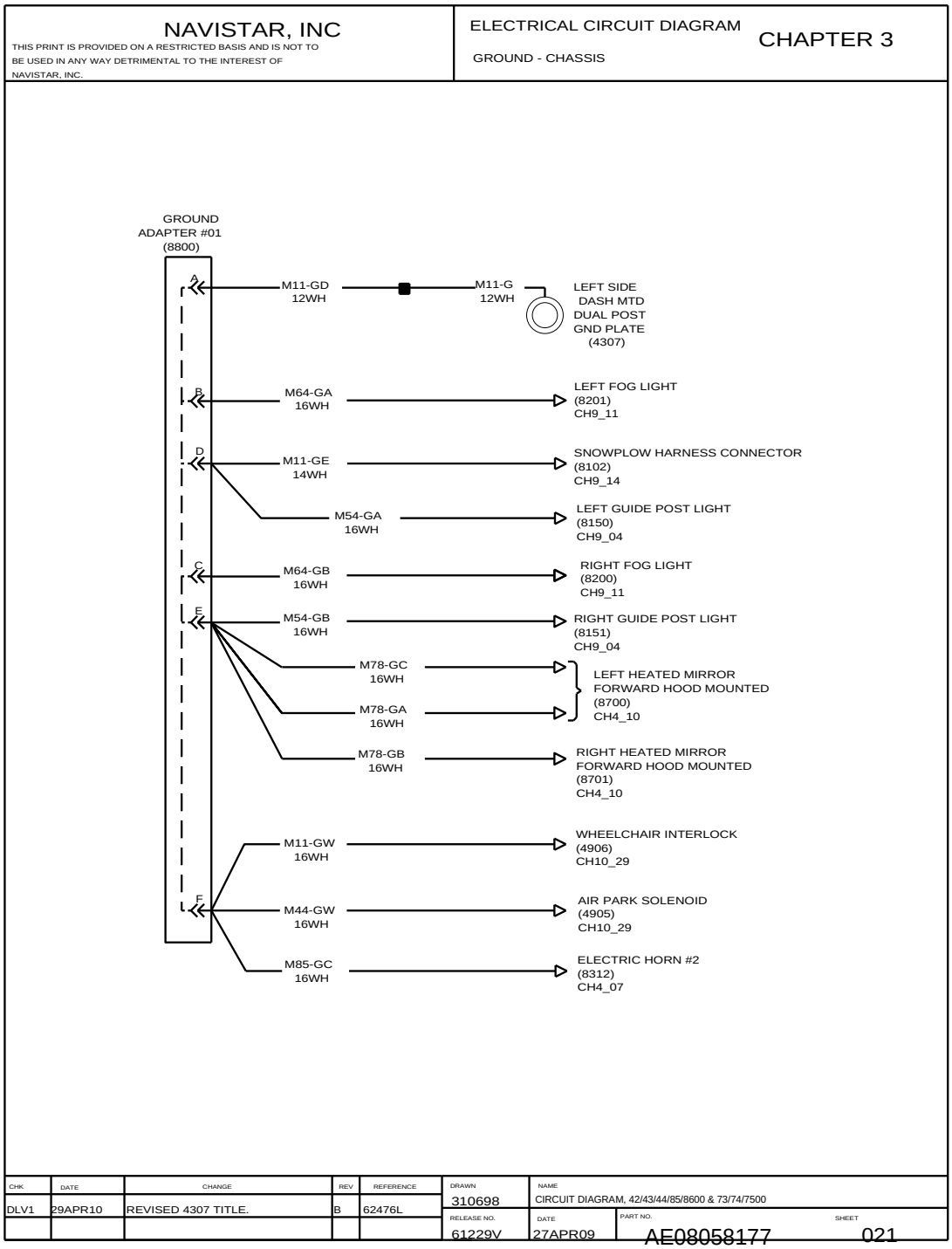


Figure 33 Ground — Chassis

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3.22. GROUND — CHASSIS, P. 22

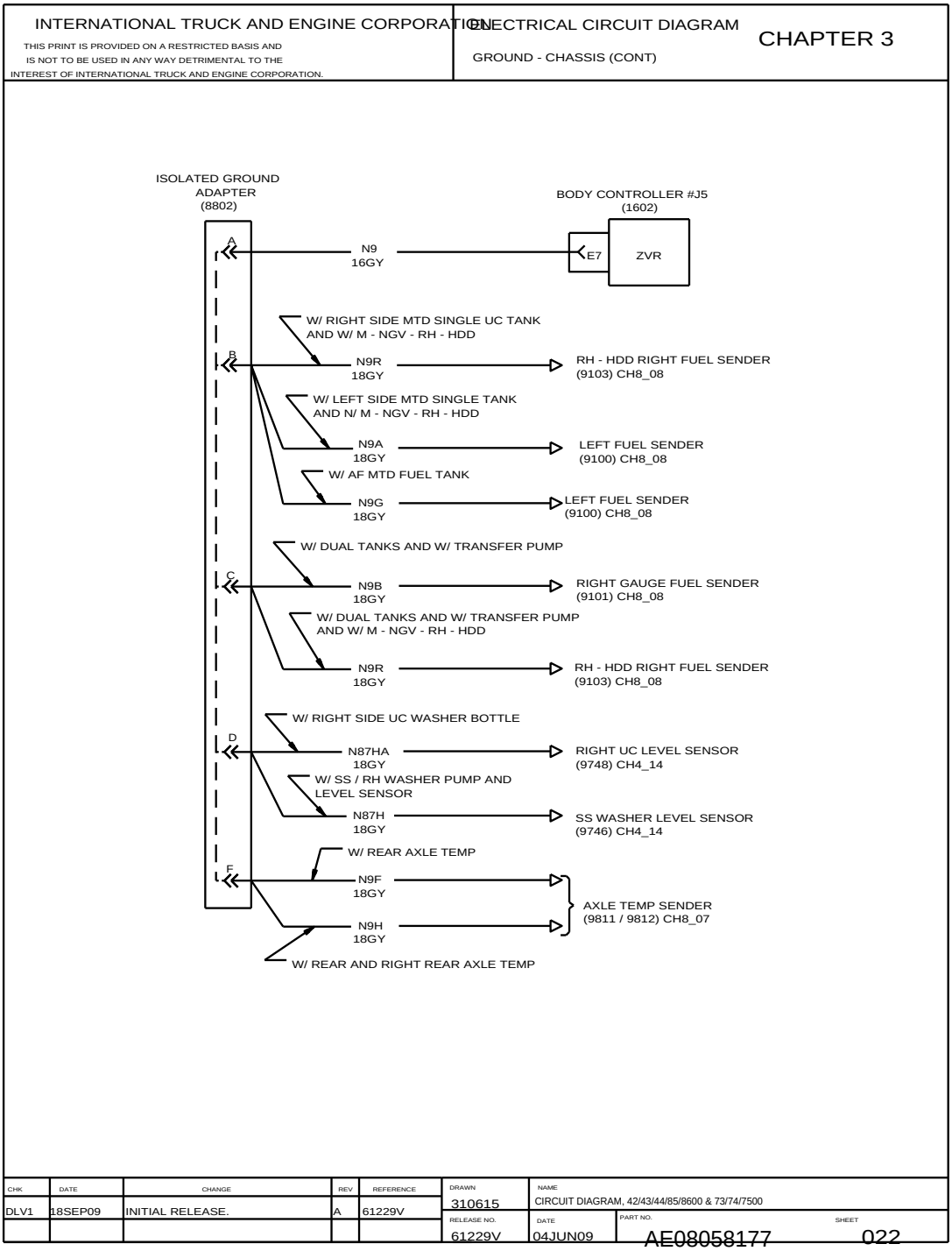


Figure 34 Ground — Chassis

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3.23. GROUND — CHASSIS, P. 23

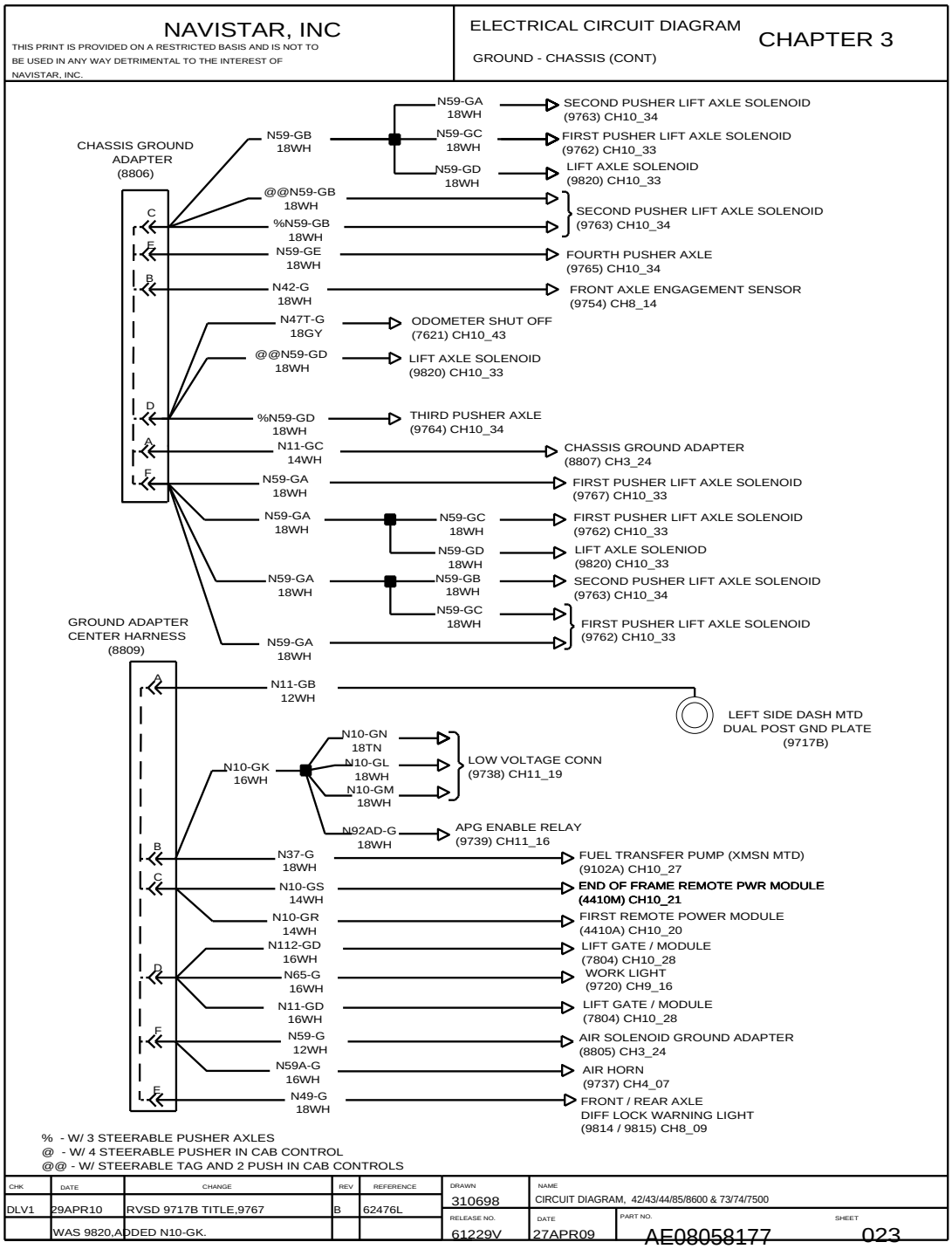


Figure 35 Ground — Chassis

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3.24. GROUND — CHASSIS, P. 24

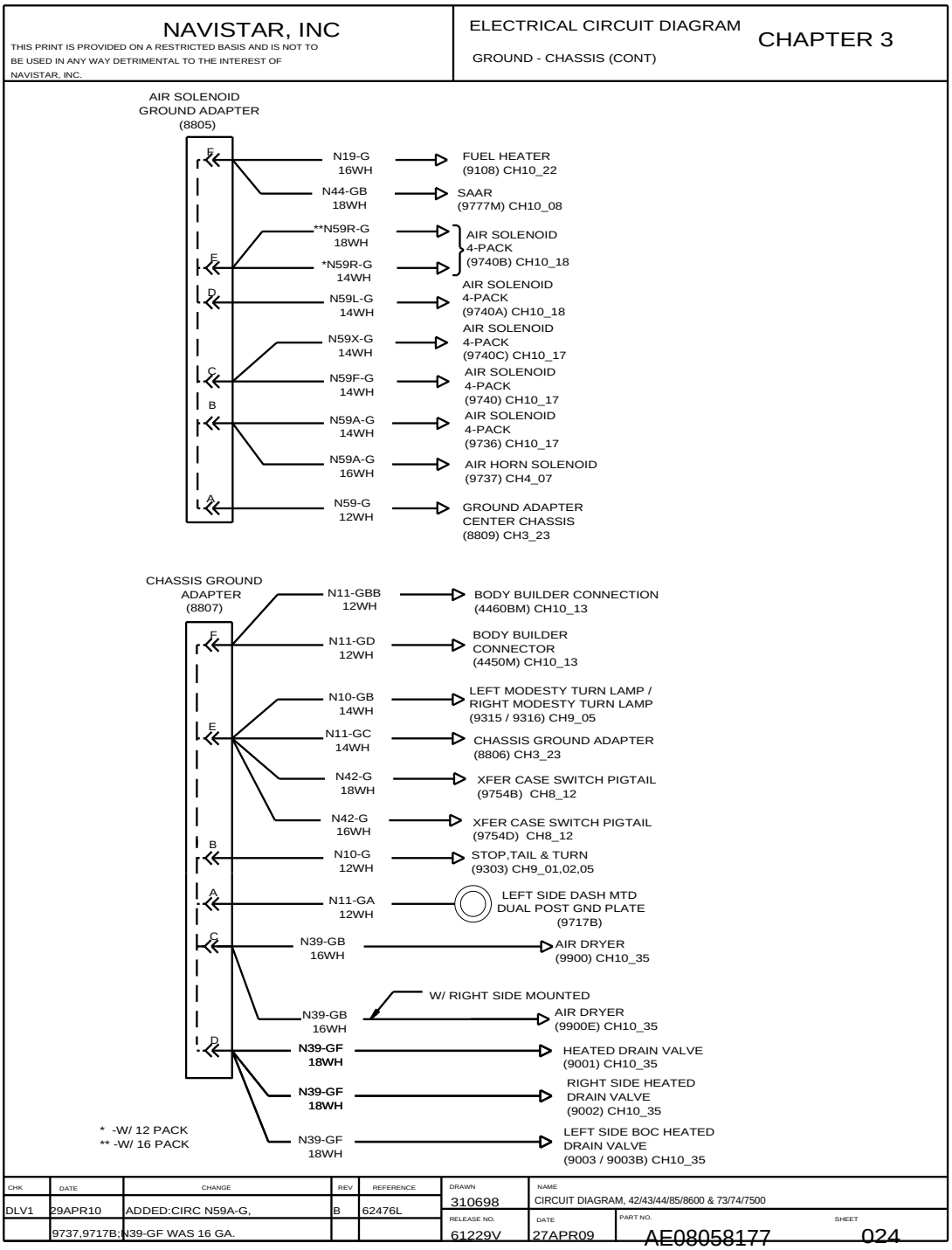


Figure 36 Ground — Chassis

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

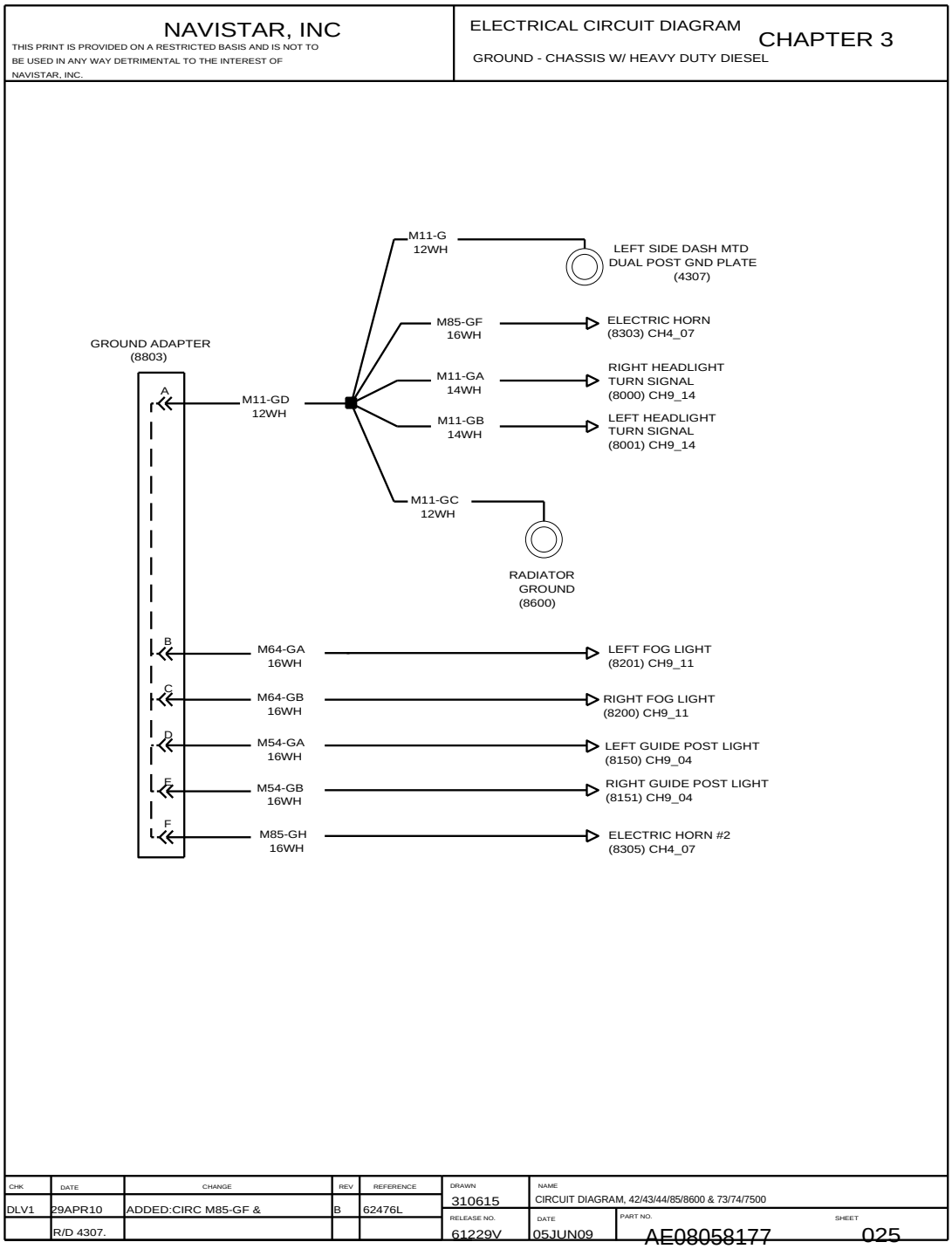


Figure 37 Ground — Chassis with Heavy Duty Diesel

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3.26. ENGINE GROUND — V8 ENGINE, P. 26

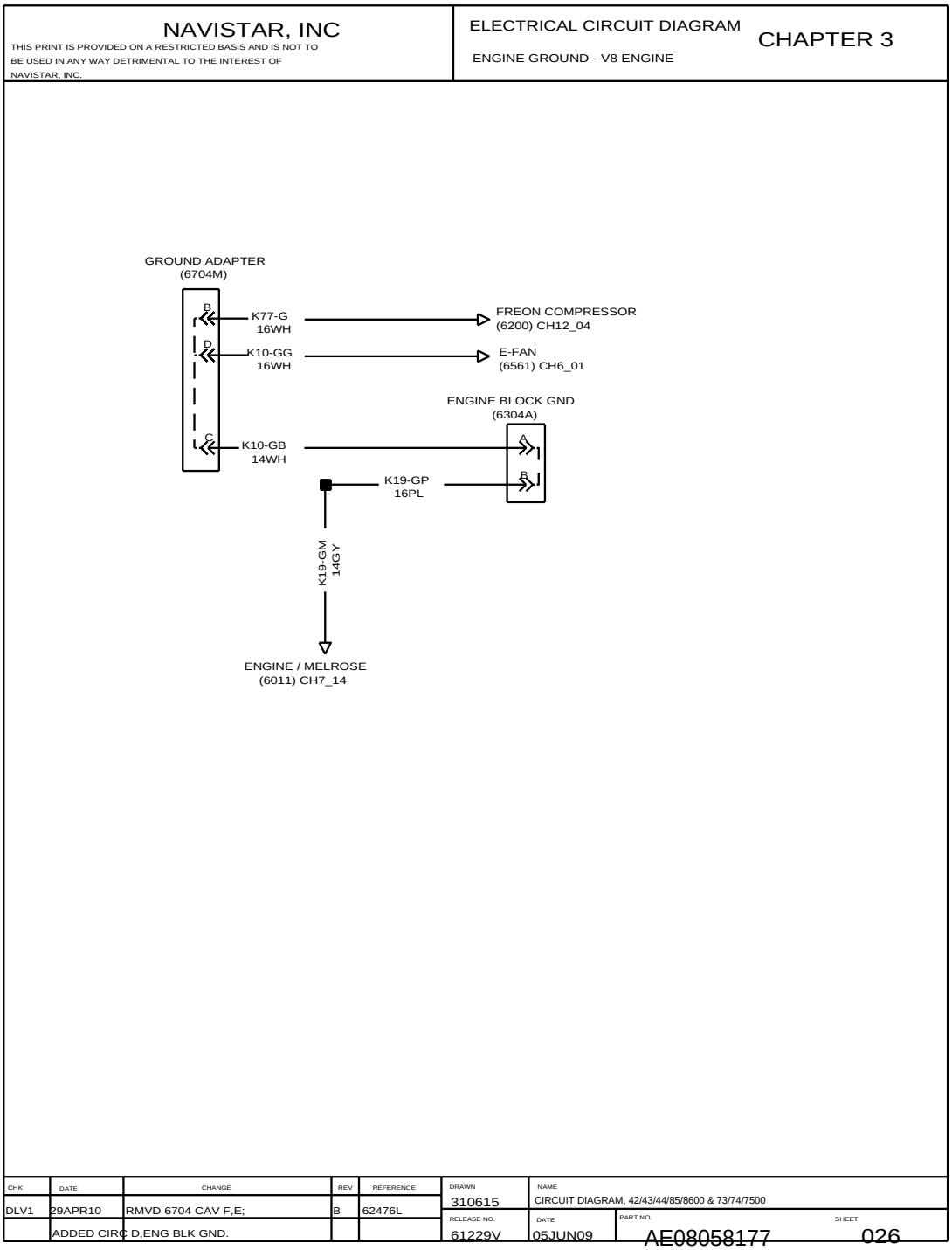


Figure 38 Engine Ground — V8 Engine

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3.27. ENGINE GROUND — IBB ENGINE, P. 27

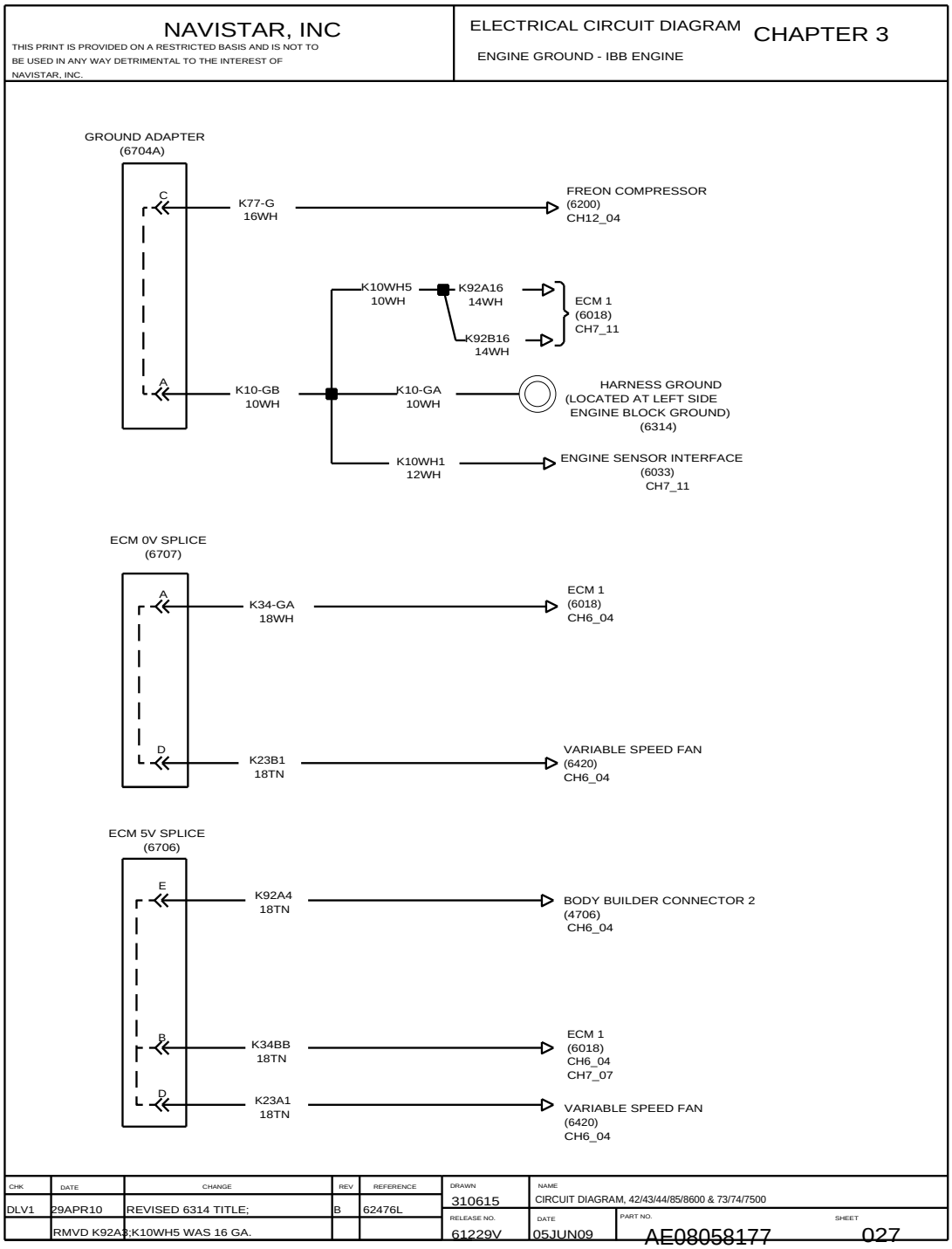


Figure 39 Engine Ground — IBB Engine

https://truckmanualshub.com/

3.28. ZERO VOLT REFERENCE, P. 28

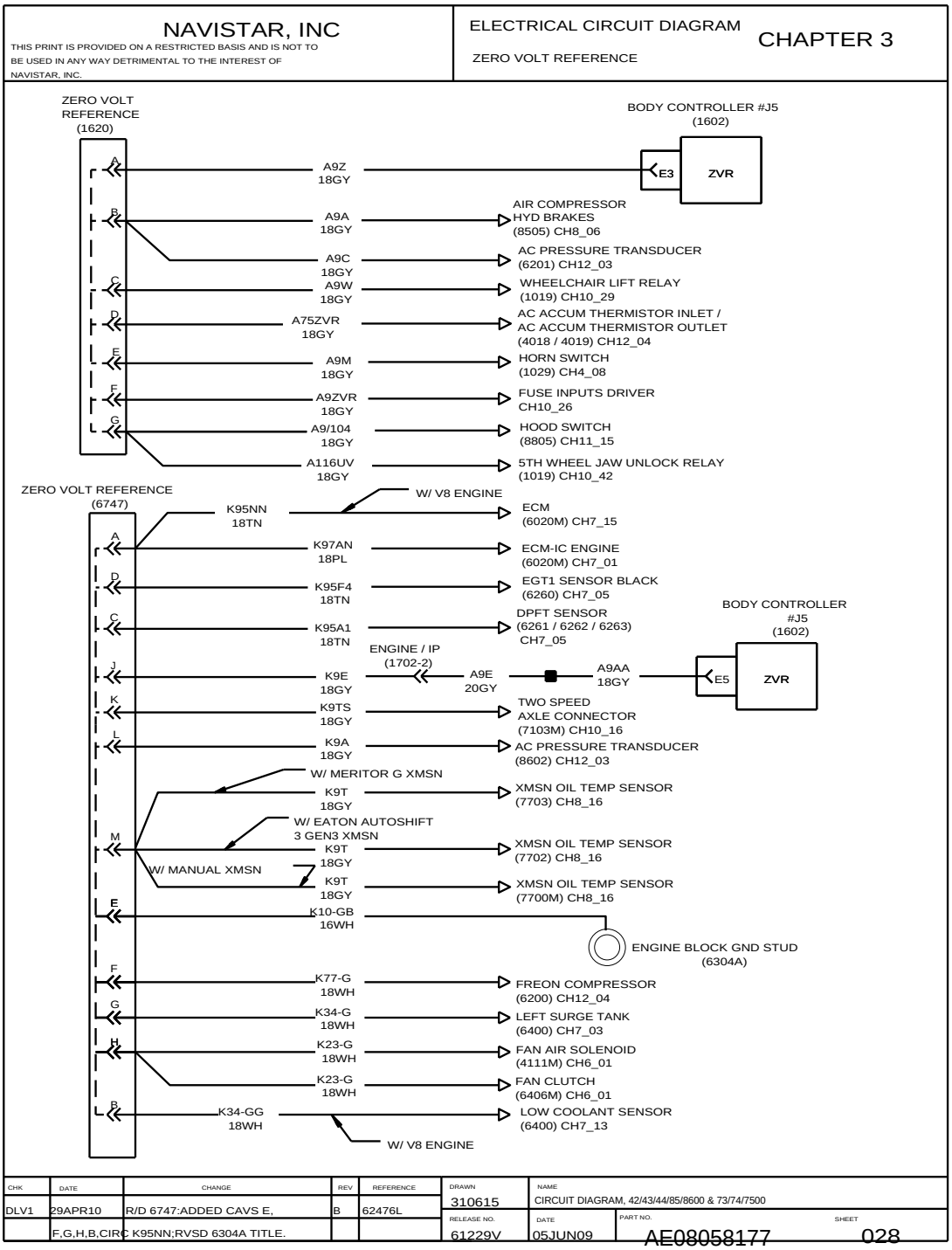


Figure 40 Zero Volt Reference

https://truckmanualshub.com/

3.29. BATTERY FEED, SINGLE, P. 29

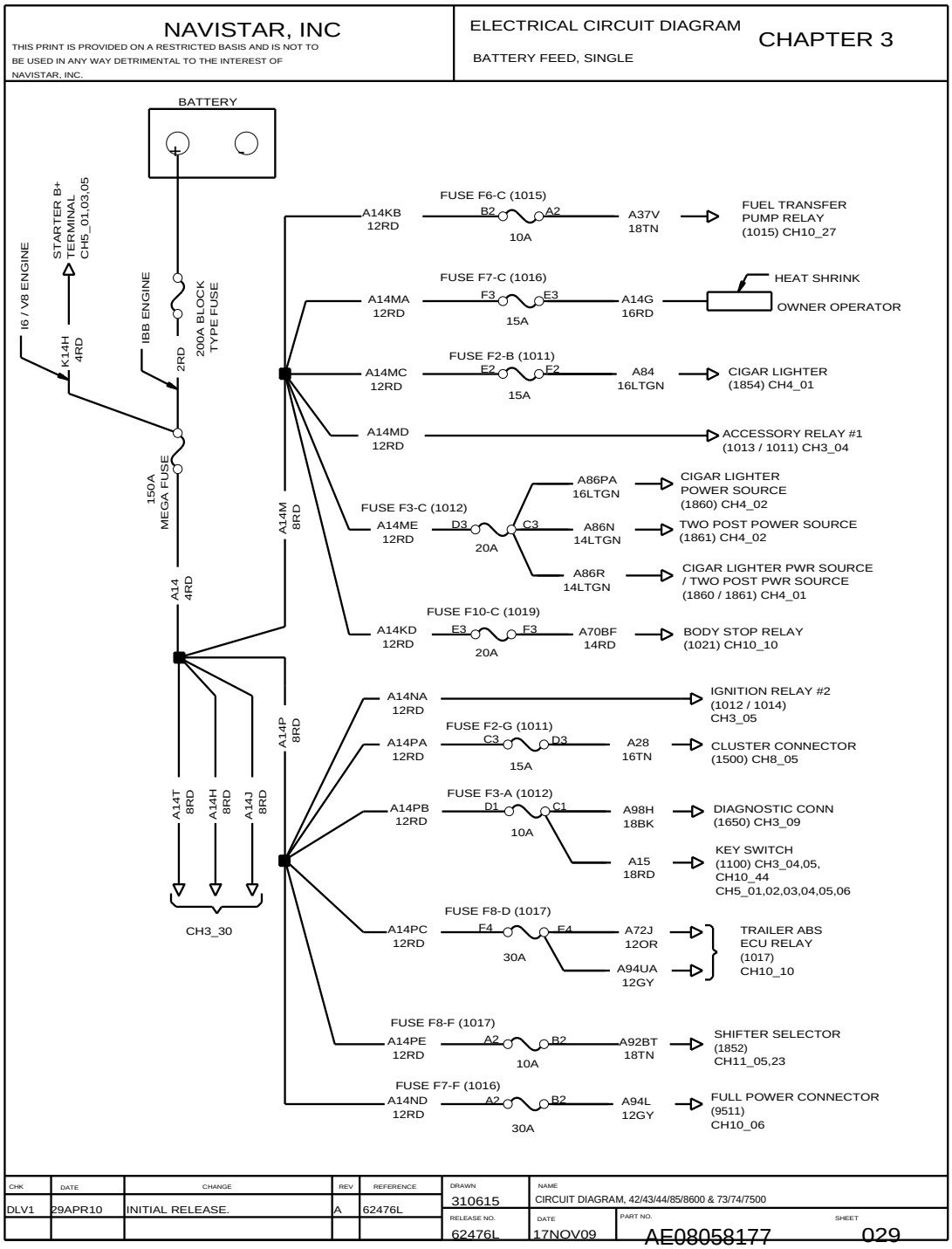


Figure 41 Battery Feed, Single

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3.30. BATTERY FEED, SINGLE, P. 30

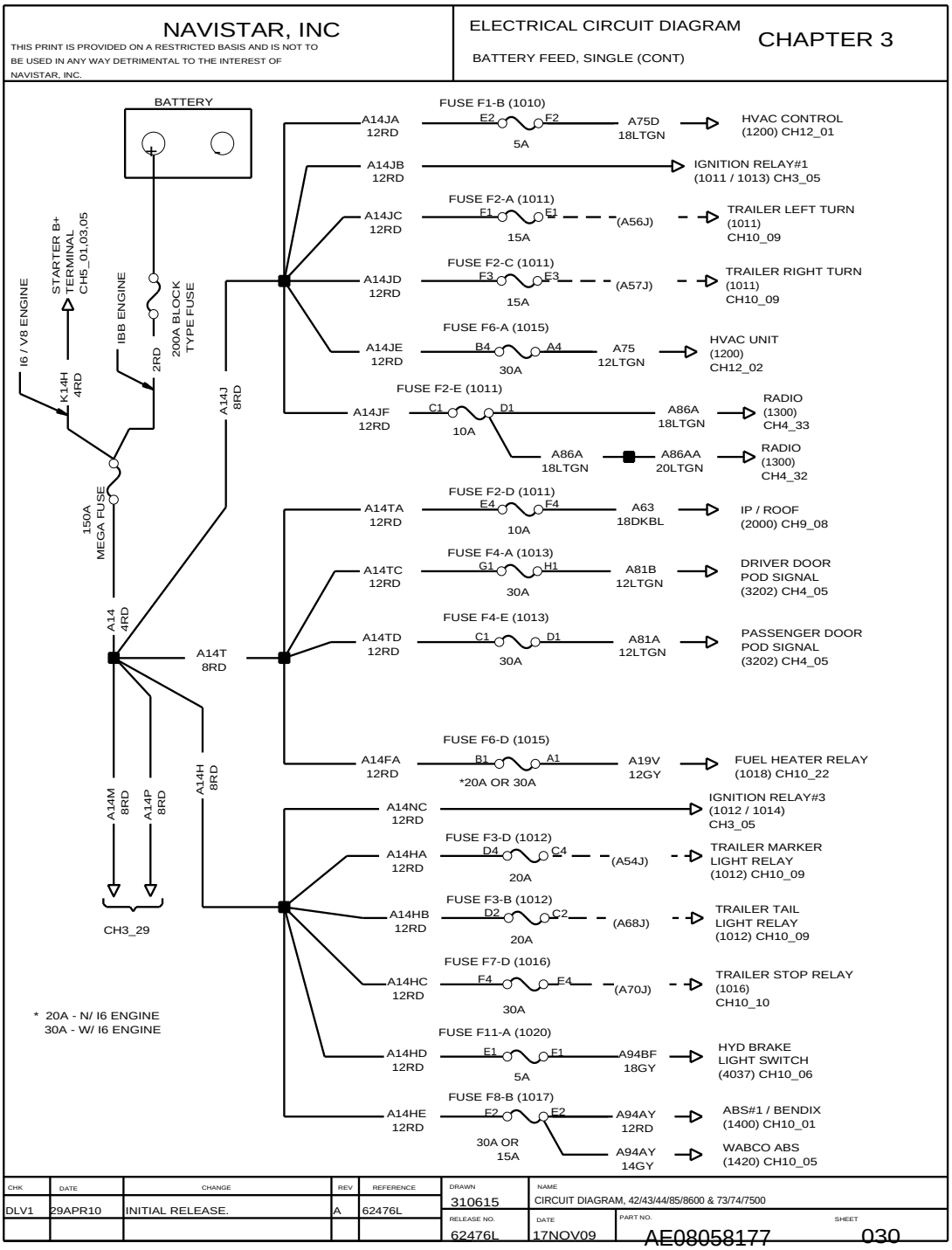


Figure 42 Battery Feed, Single

https://truckmanualshub.com/

3.31. J1939 DATA LINK — V8 ENGINE, P. 31

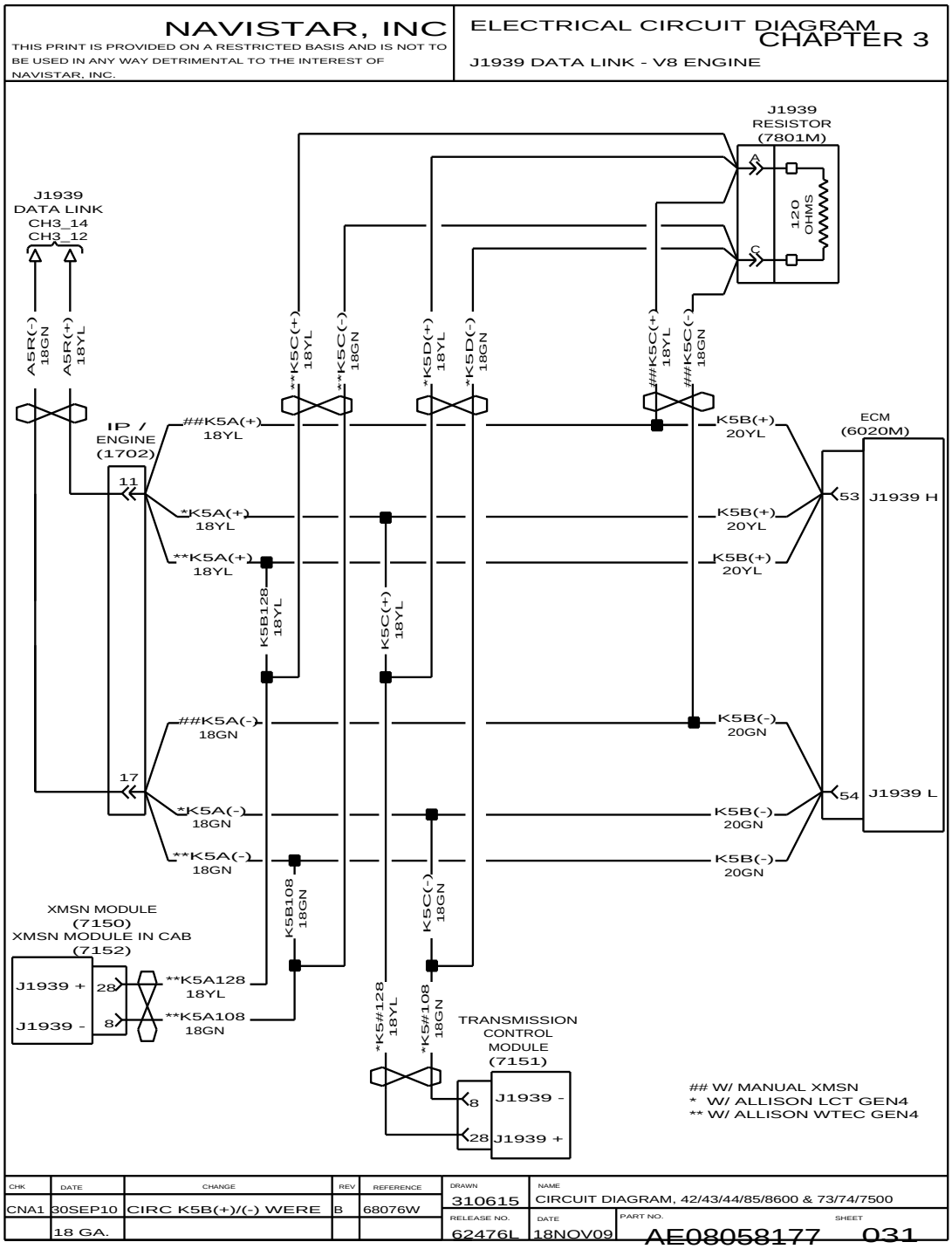


Figure 43 J1939 Data Link — V8 Engine

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3.32. GROUND — SEAT AND SEATBELT SENSOR, P. 32

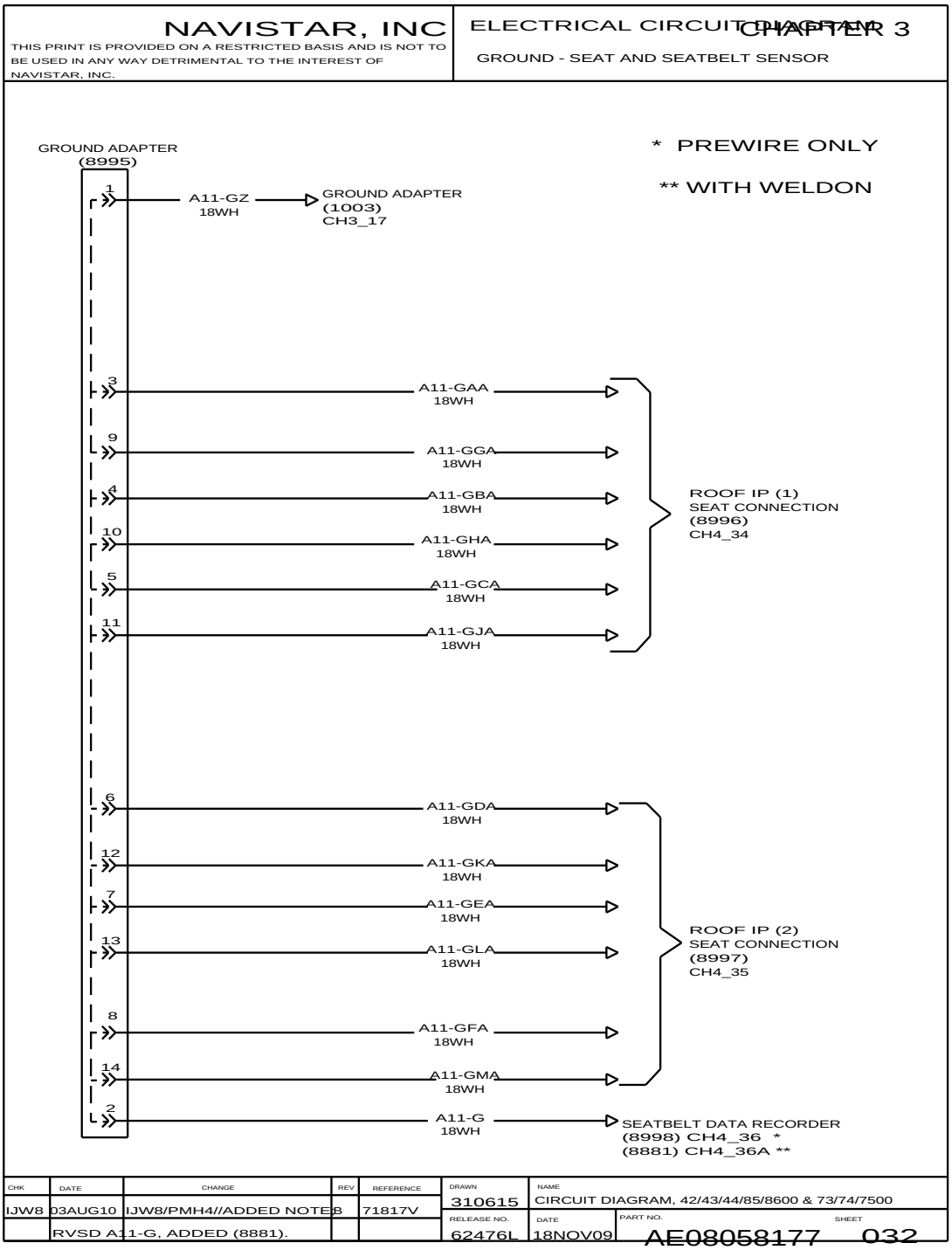


Figure 44 Ground — Seat and Seatbelt Sensor

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3.33. LATCHING RELAY, P. 33

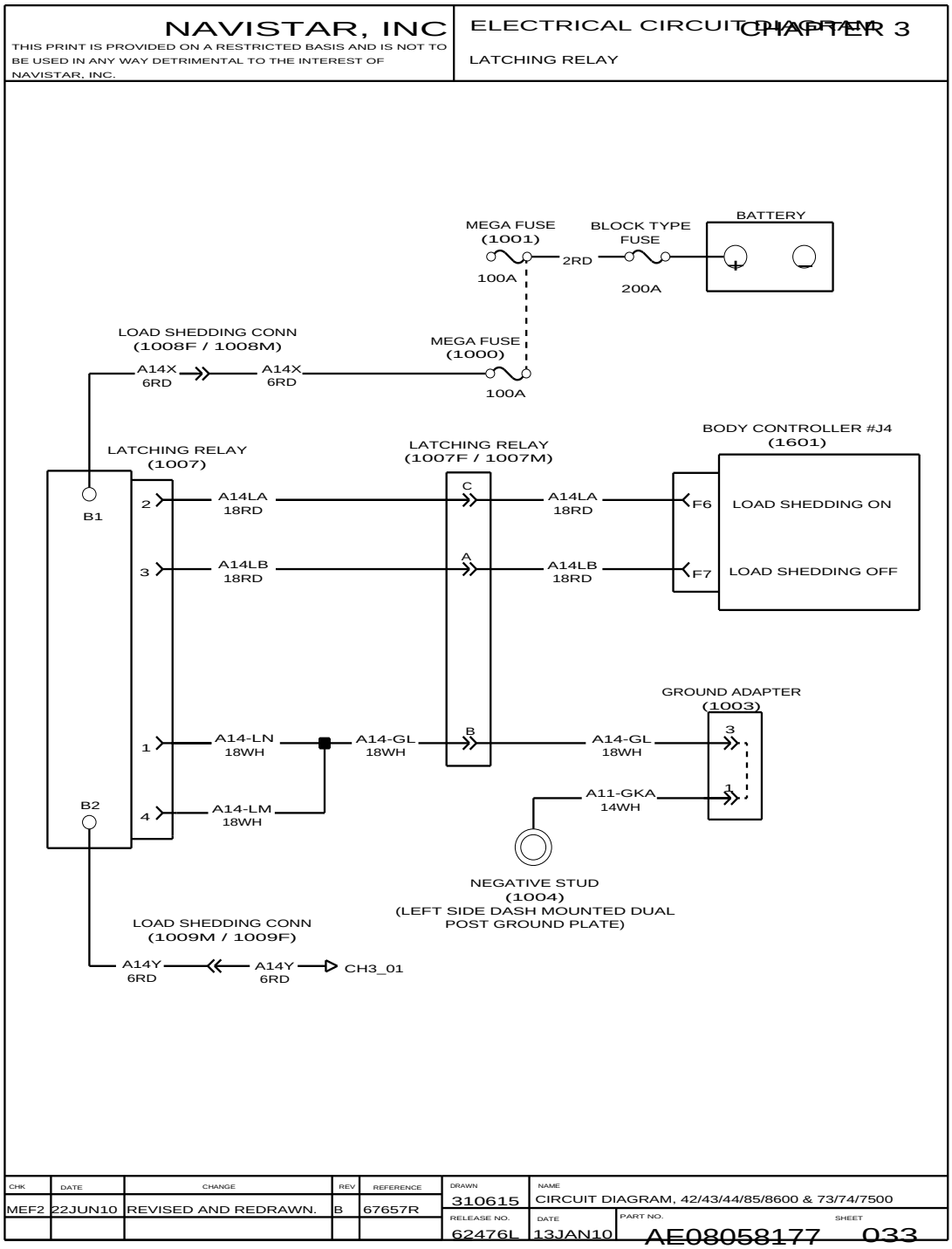


Figure 45 Latching Relay

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4. CAB ACCESSORIES (CHAPTER 4)

4.1. CIGAR LIGHTER AND POWER FEED, P. 1

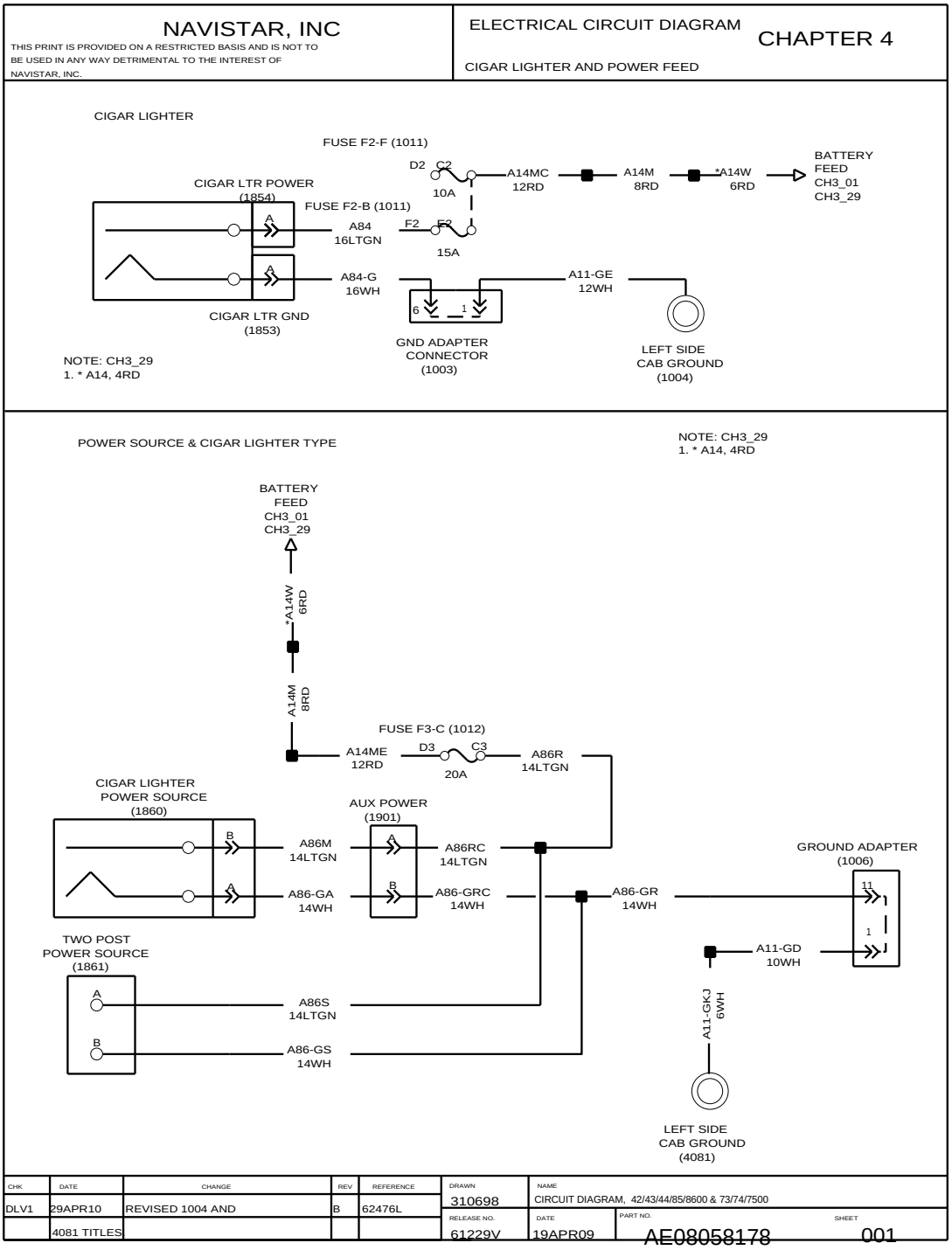


Figure 46 Cigar Lighter and Power Feed

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4.2. CIGAR LIGHTER AND POWER FEED, P. 2

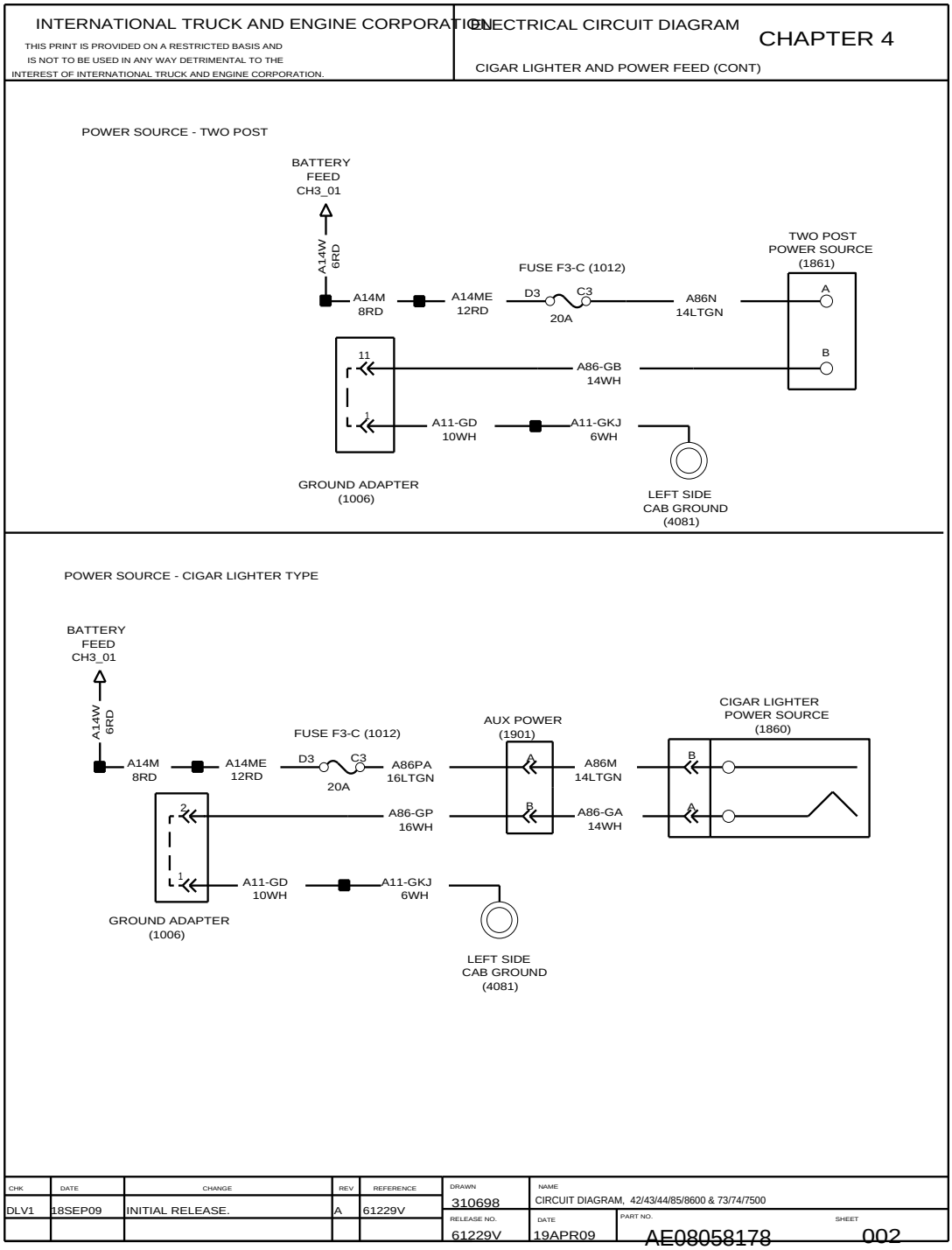


Figure 47 Cigar Lighter and Power Feed

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4.3. CB POWER RADIO, P. 3

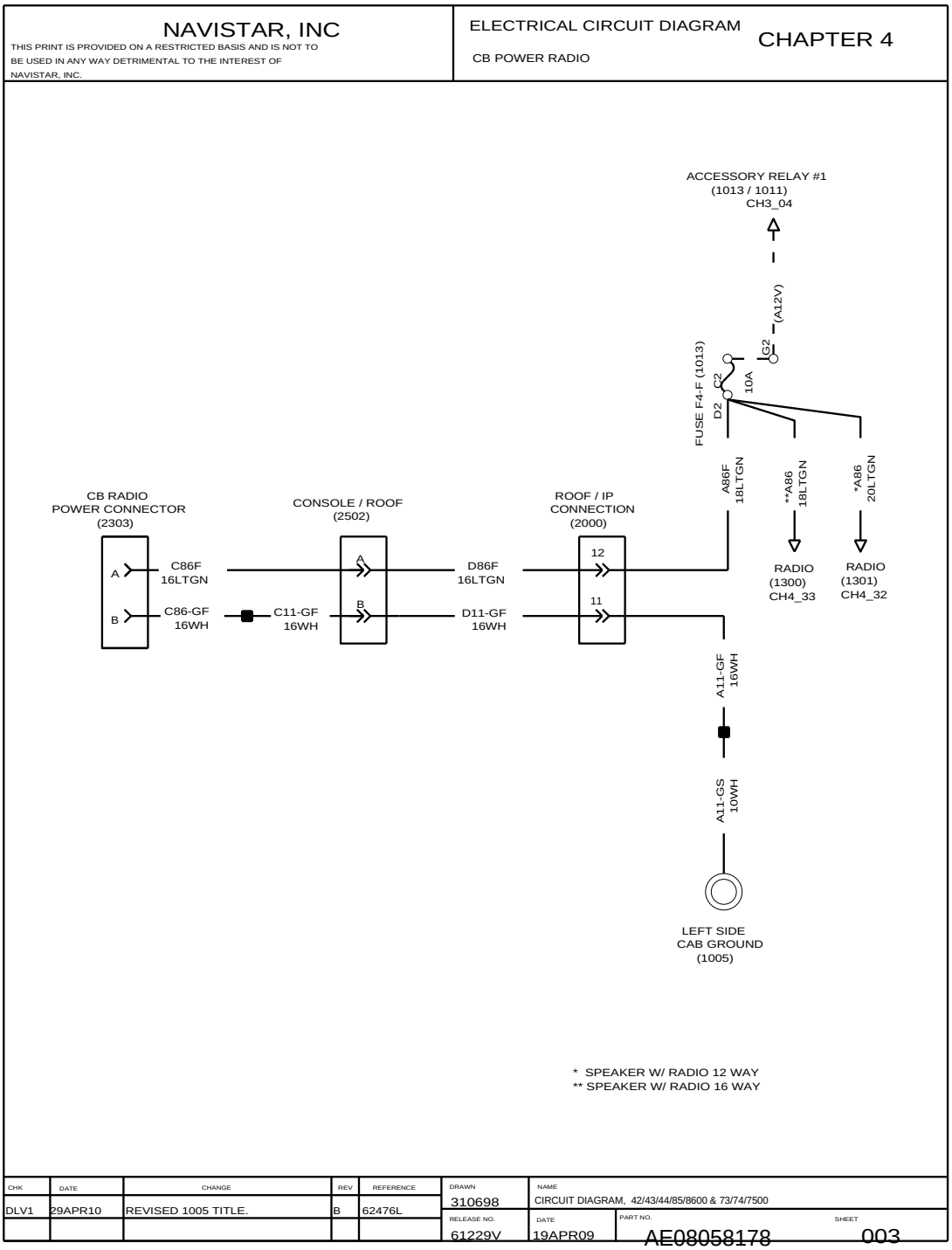


Figure 48 CB Power Radio

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4.4. COMPASS DISPLAY, P. 4

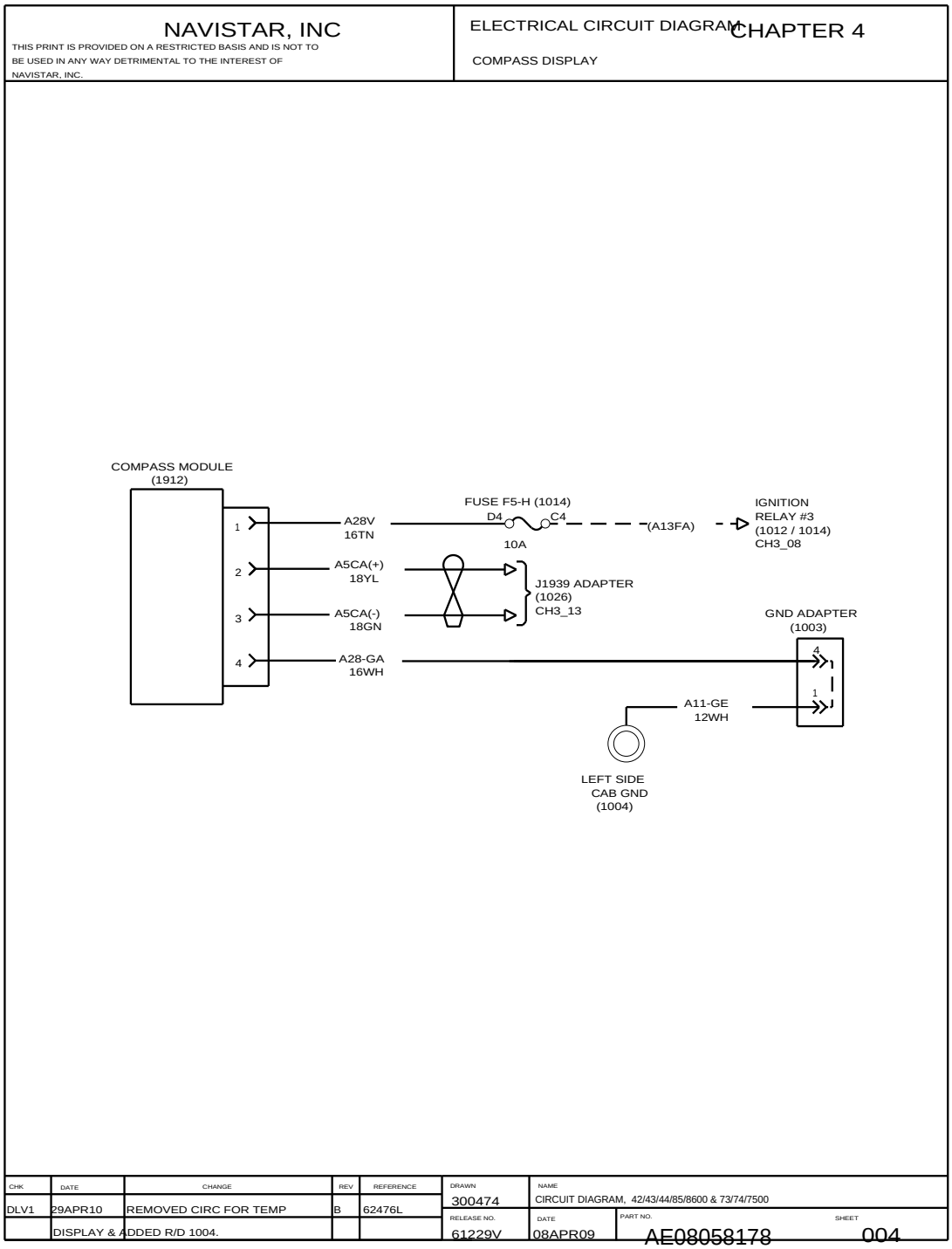


Figure 49 Compass Display

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

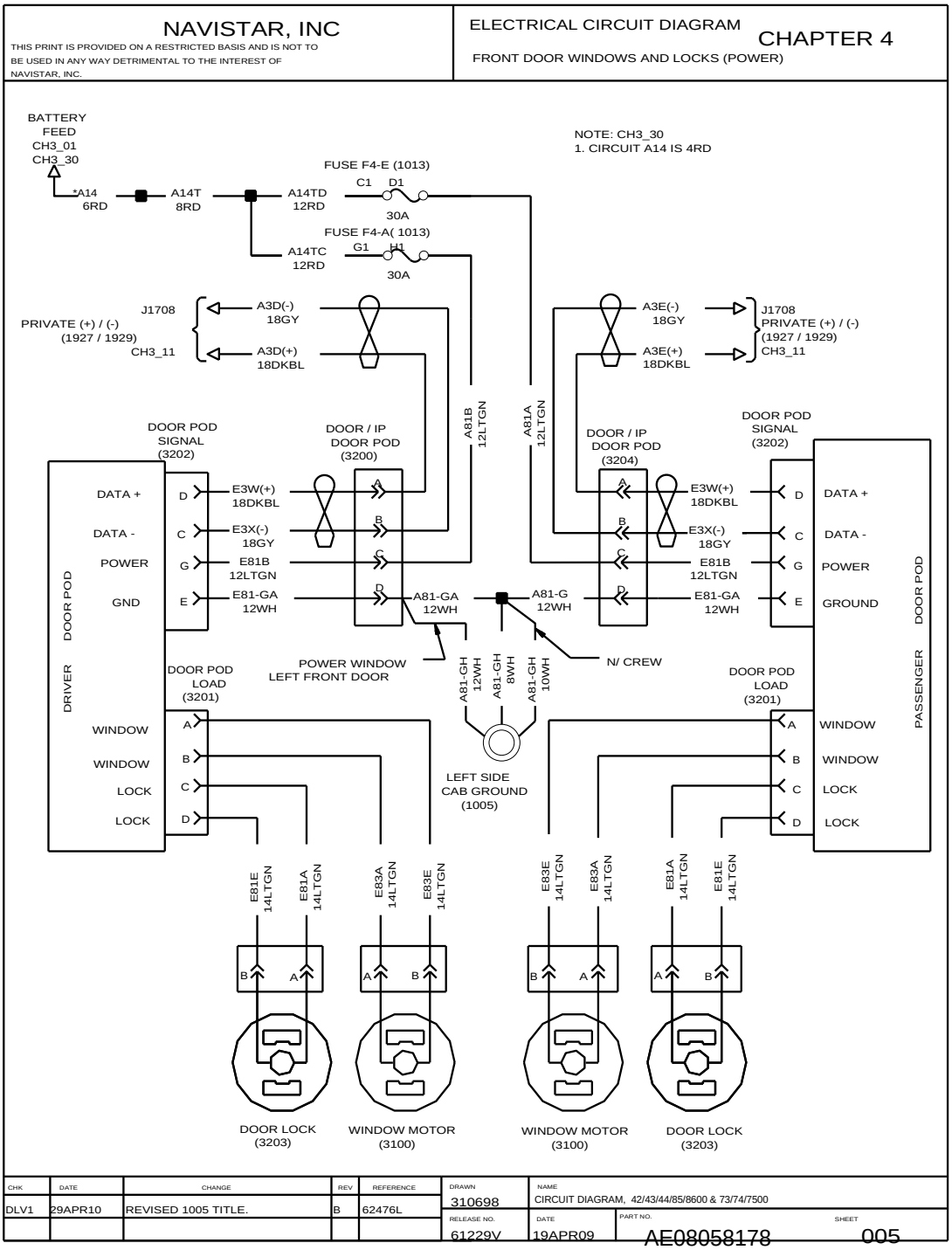


Figure 50 Front Door Windows and Locks (Power)

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

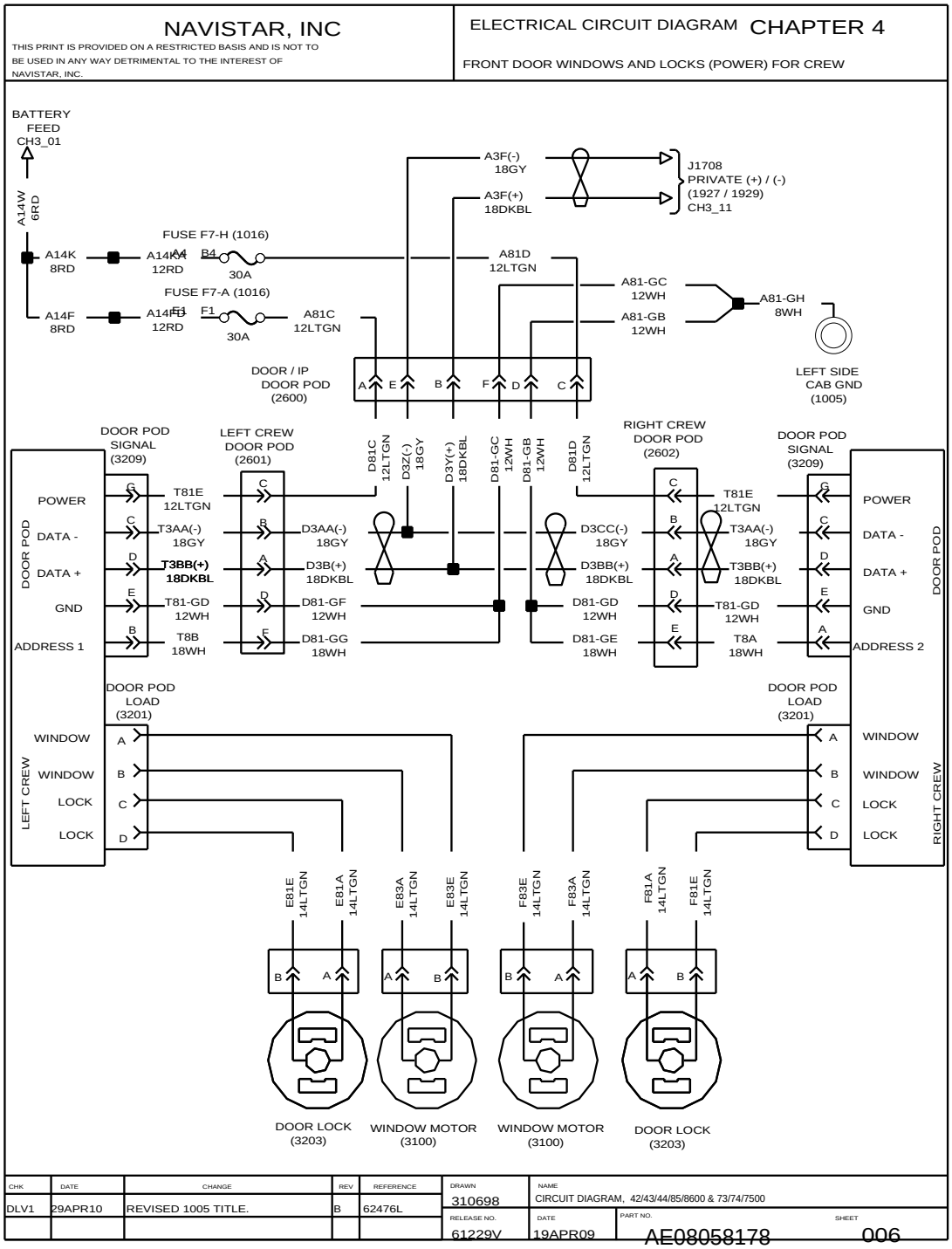


Figure 51 Front Door Windows and Locks (Power) for Crew

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4.7. HORN, ELECTRIC AND AIR, P. 7

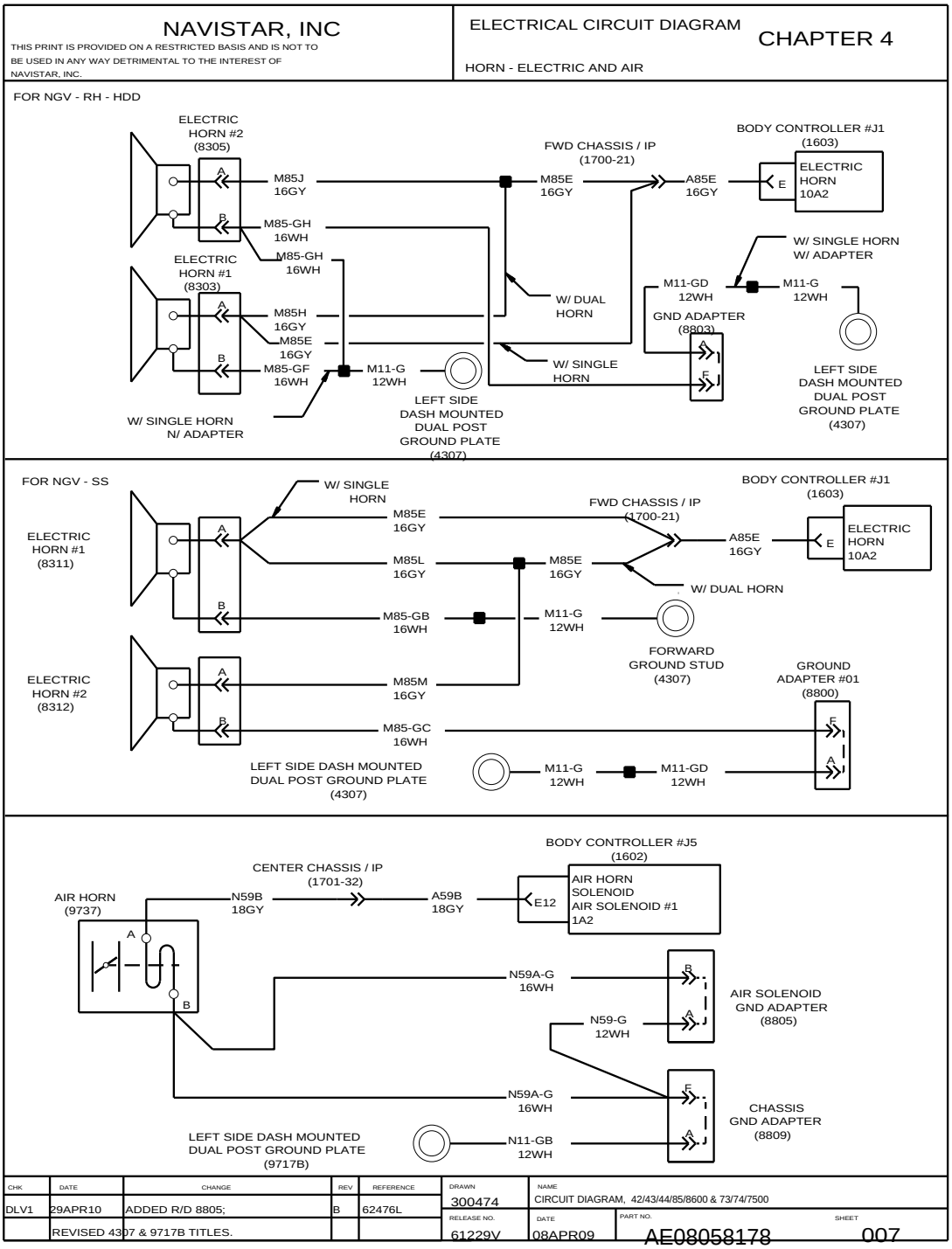


Figure 52 Horn, Electric and Air

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4.8. HORN, ELECTRIC AND AIR, P. 8

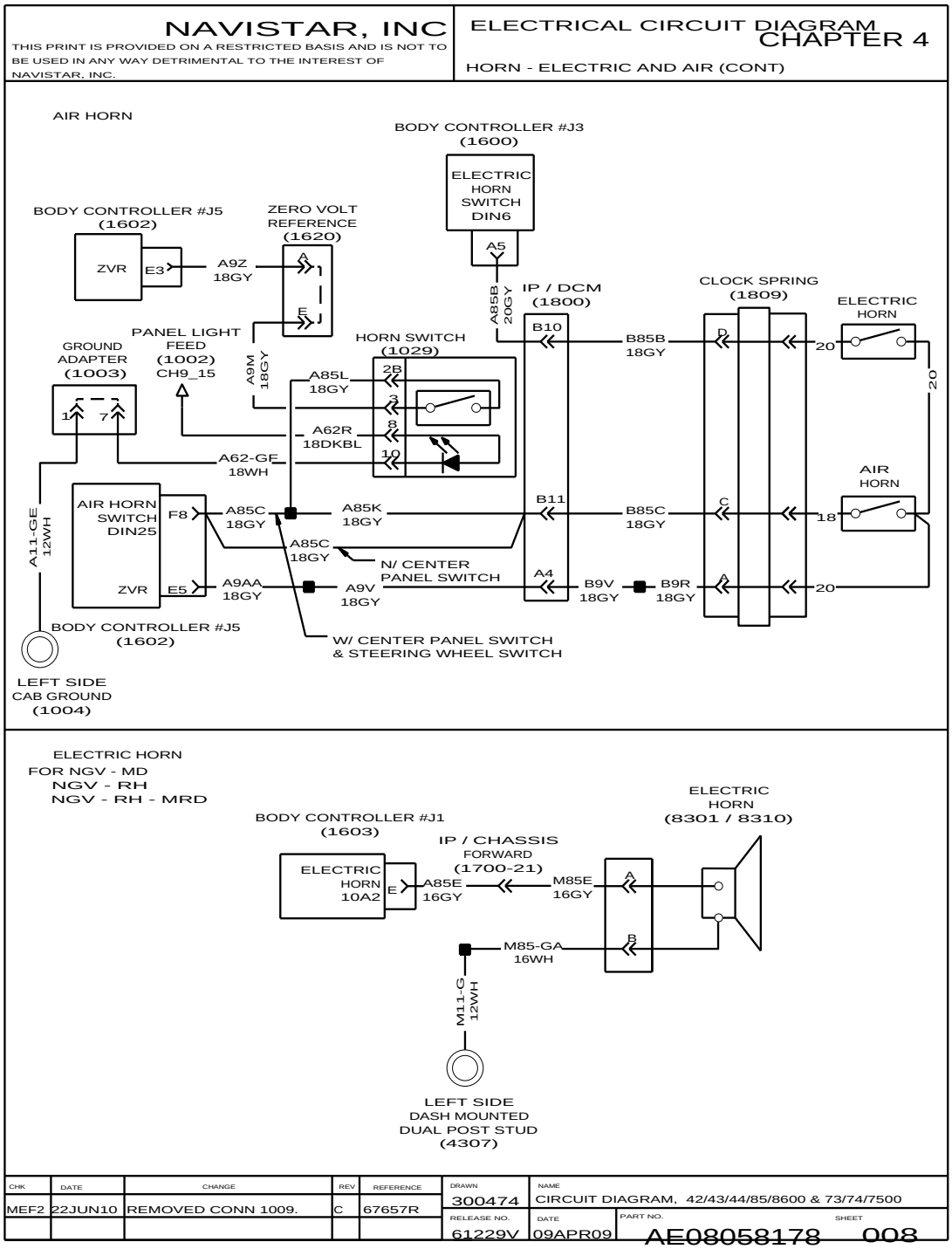


Figure 53 Horn, Electric and Air

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

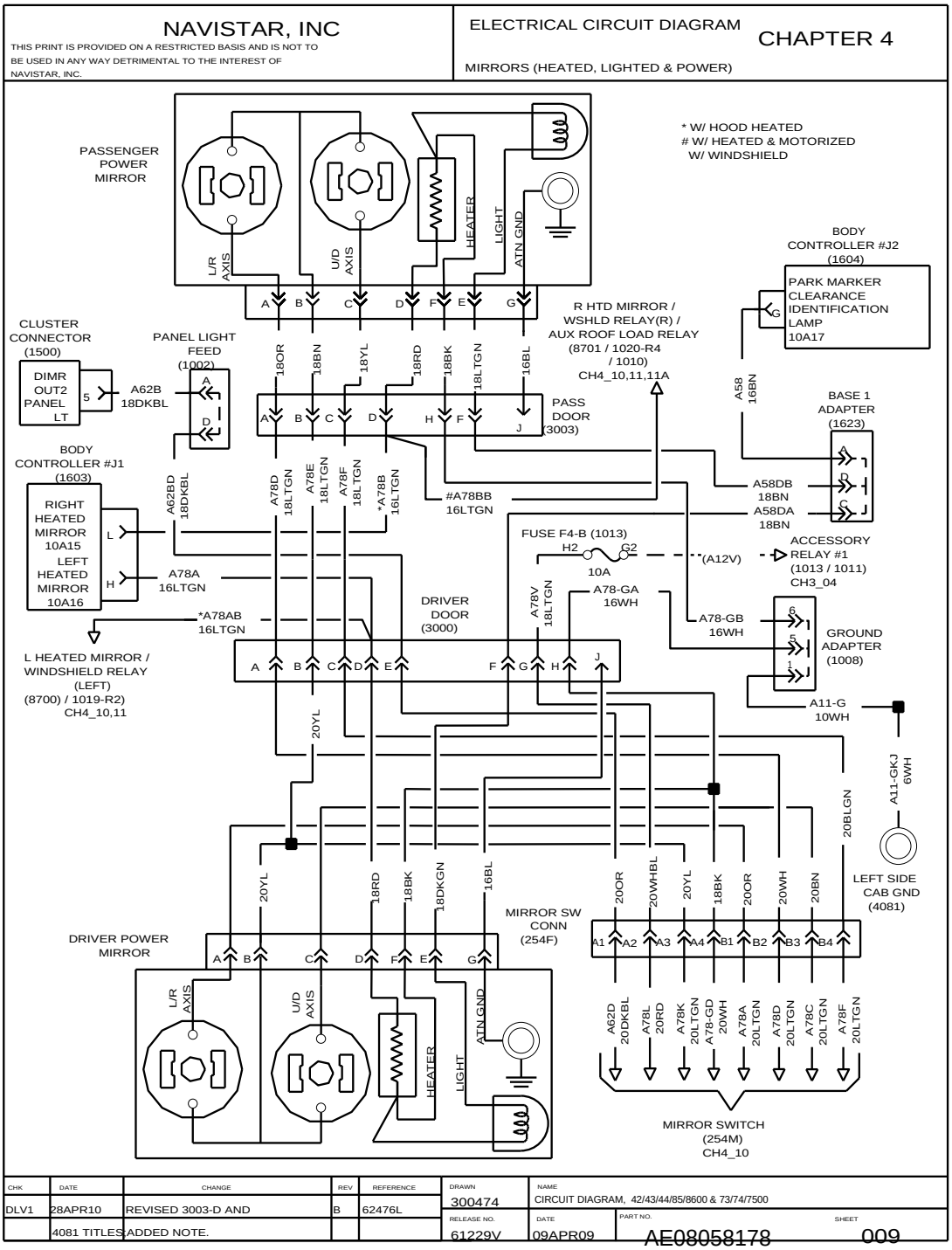


Figure 54 Mirrors (Heated, Lighted and Power)

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4.10. MIRRORS (HEATED, LIGHTED AND POWER), P. 10

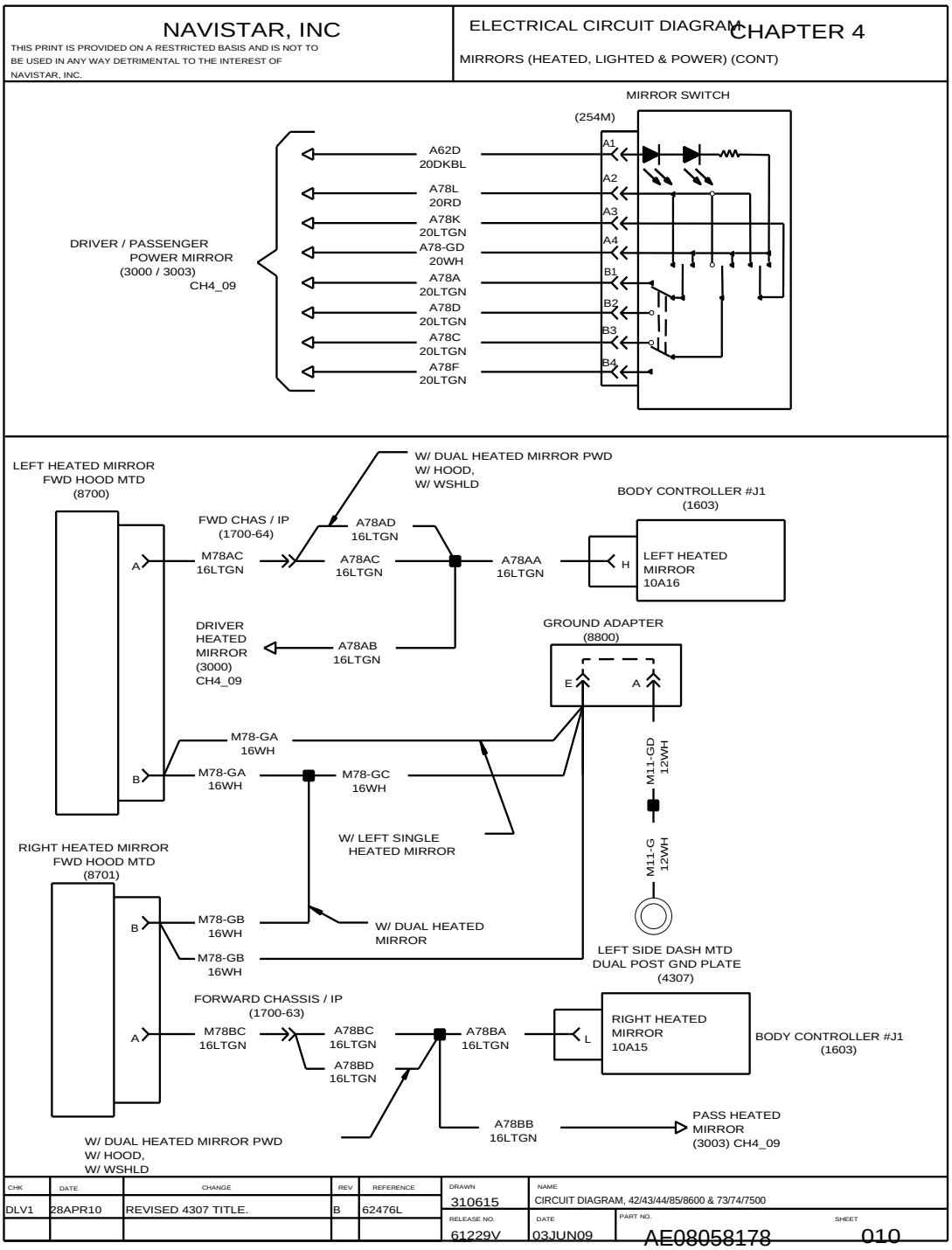


Figure 55 Mirrors (Heated, Lighted and Power)

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4.11. MIRRORS (HEATED, LIGHTED AND POWER), P. 11

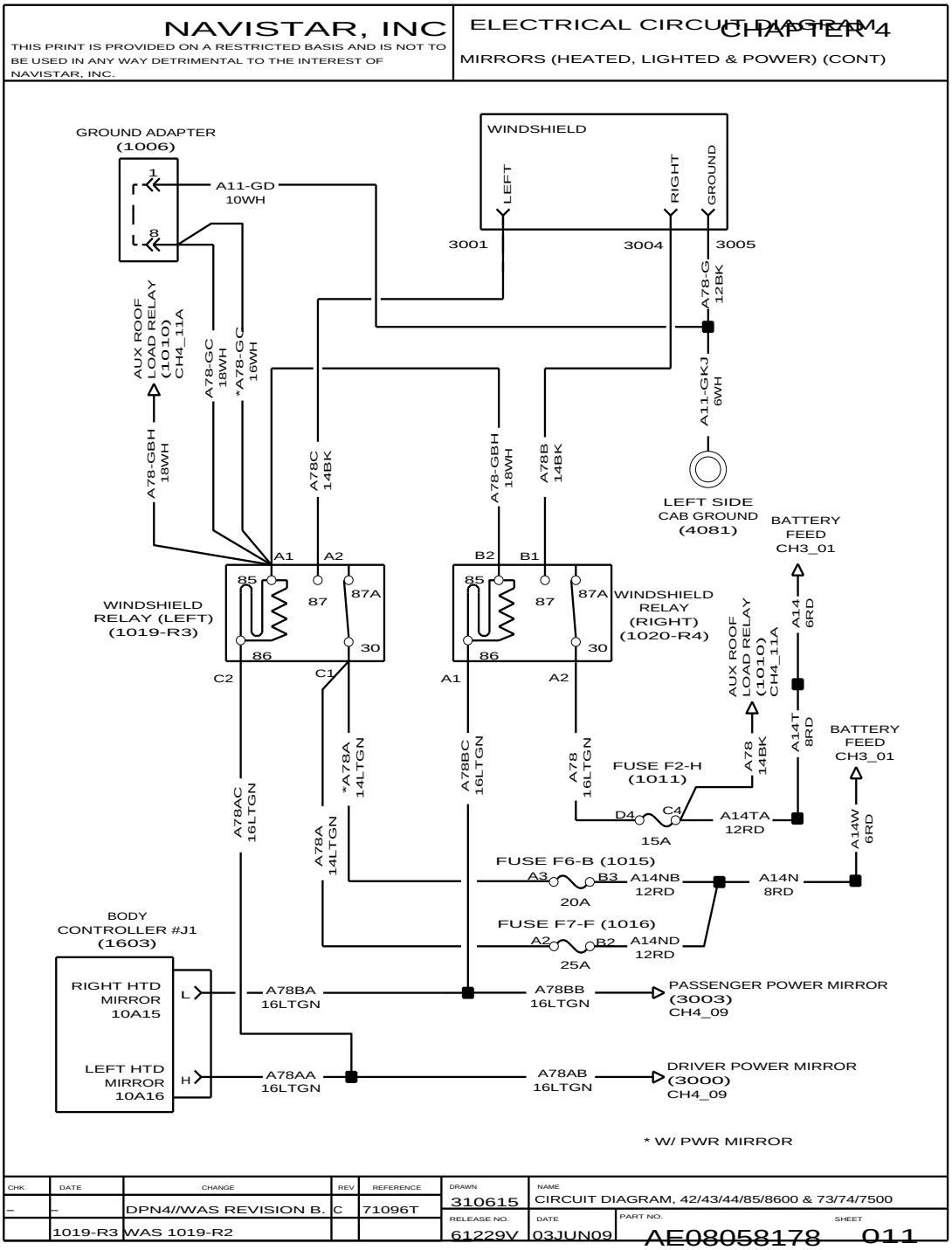


Figure 56 Mirrors (Heated, Lighted and Power)

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4.12. POWER MIRRORS — HEATED AND MOTORIZED WITH WINDSHIELD WITH FPB, P. 11A

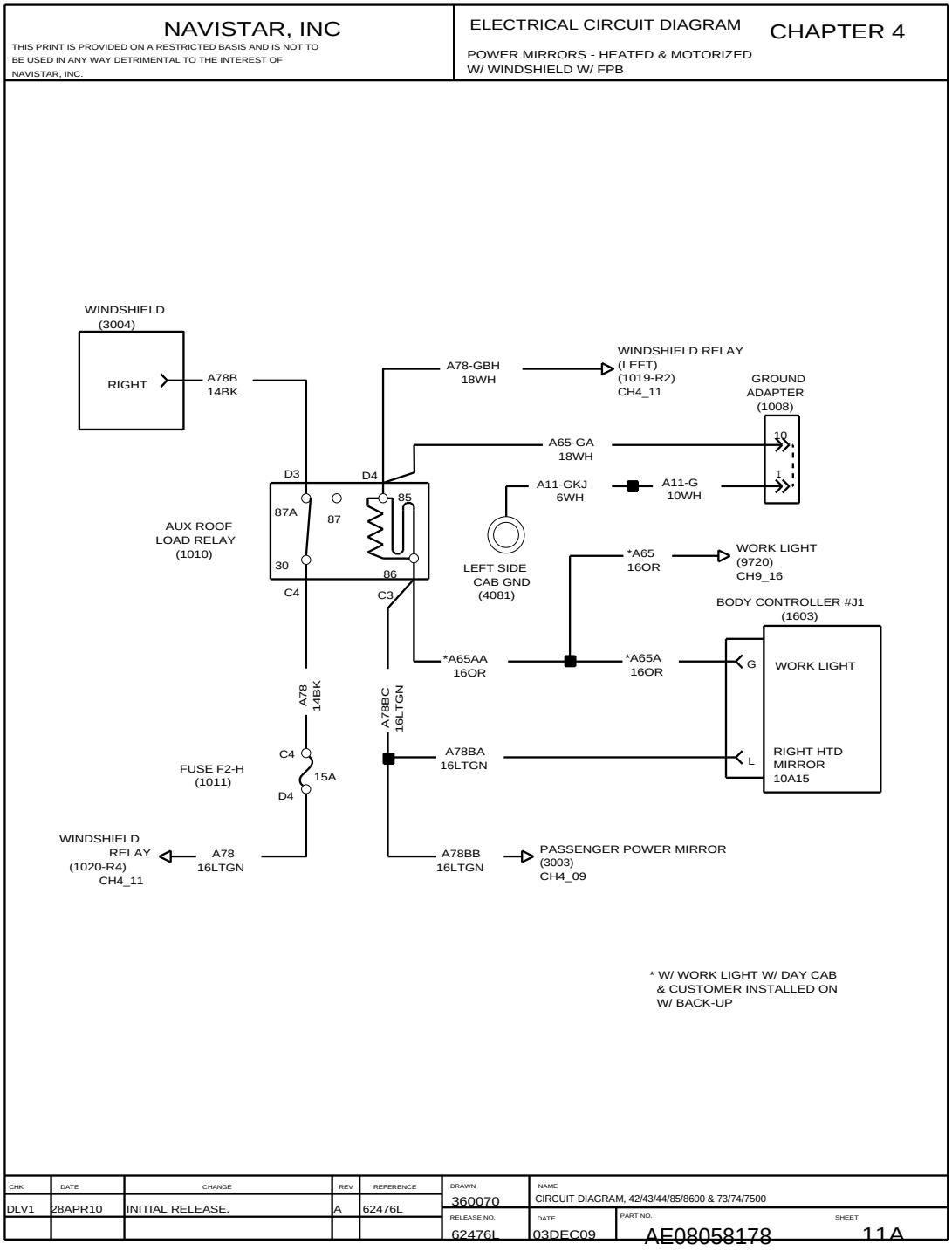


Figure 57 Power Mirrors — Heated and Motorized with Windshield with FPB

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4.13. 2–WAY RADIO, P. 12

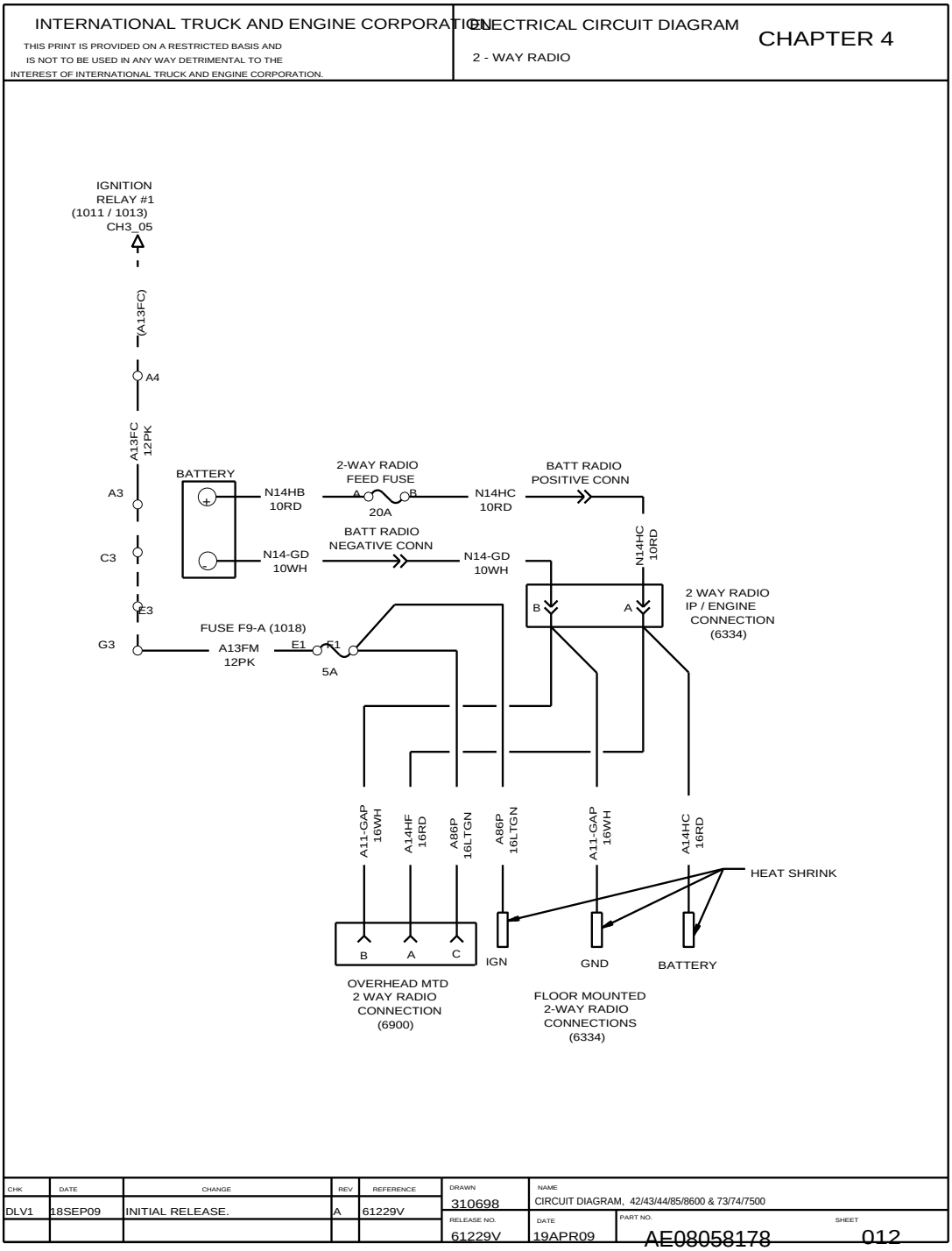


Figure 58 2–Way Radio

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4.14. WINDSHIELD WIPER, P. 13

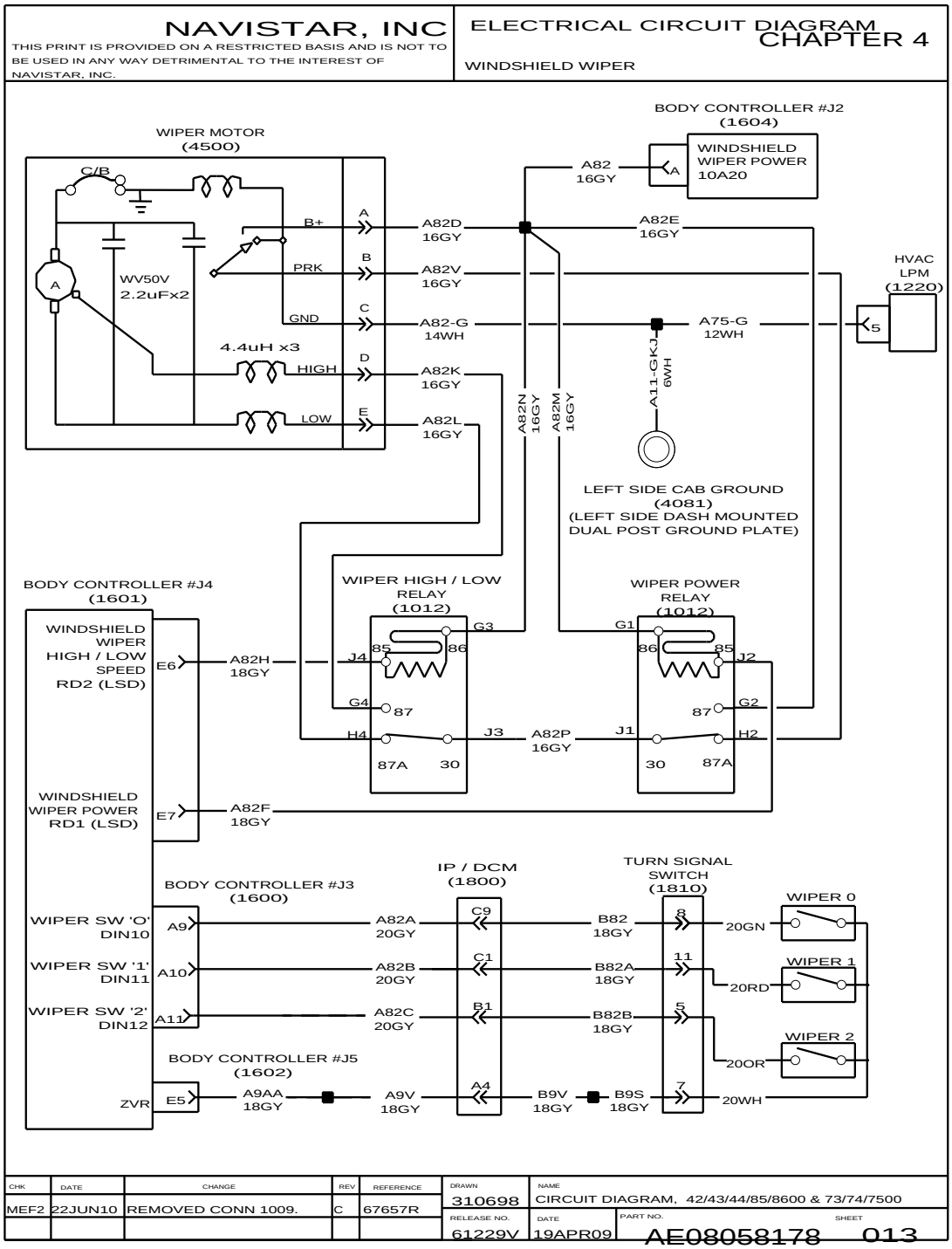


Figure 59 Windshield Wiper

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4.15. WASHER PUMP, P. 14

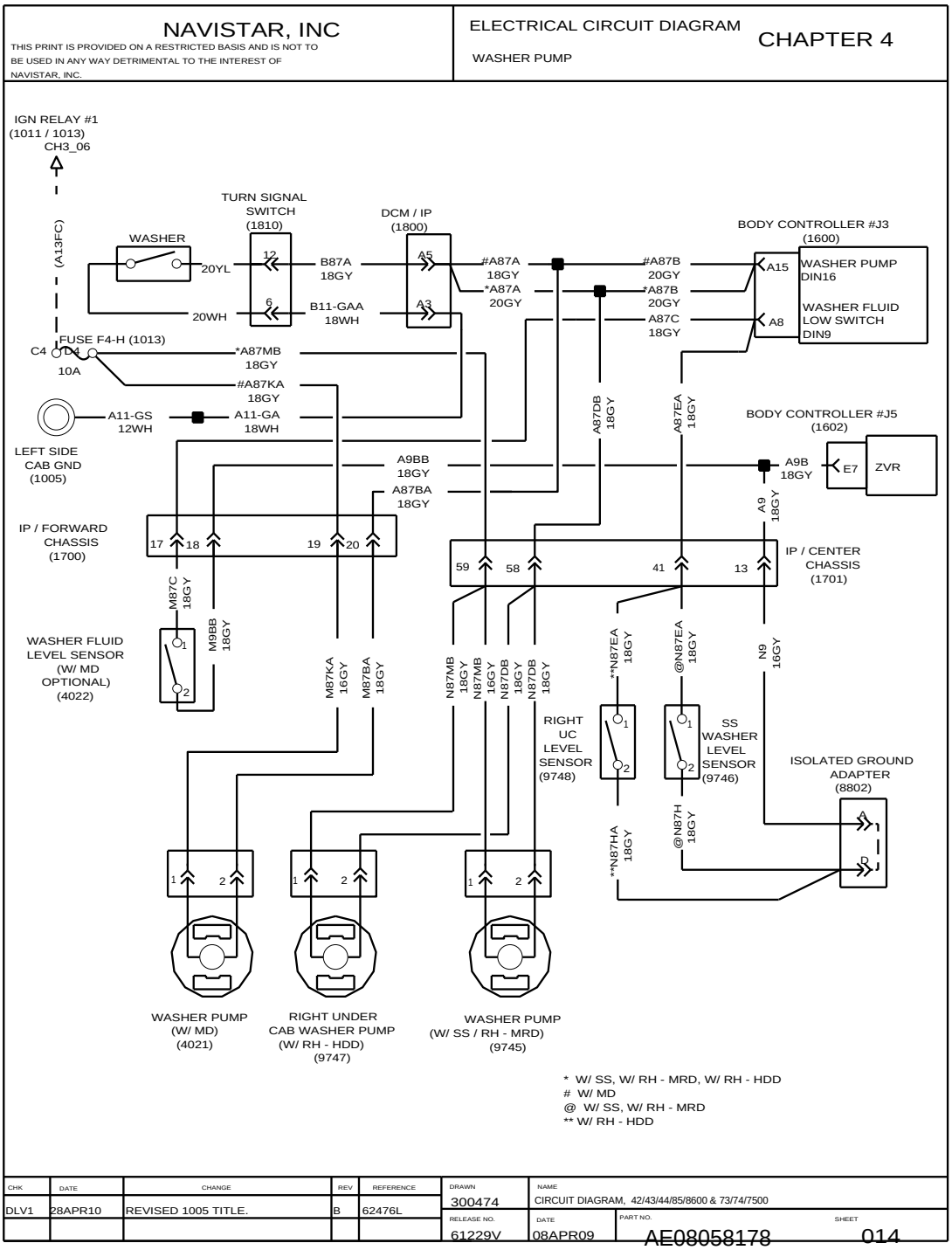


Figure 60 Washer Pump

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4.16. SWITCH PACK OPTIONAL GAUGE PACK, P. 15

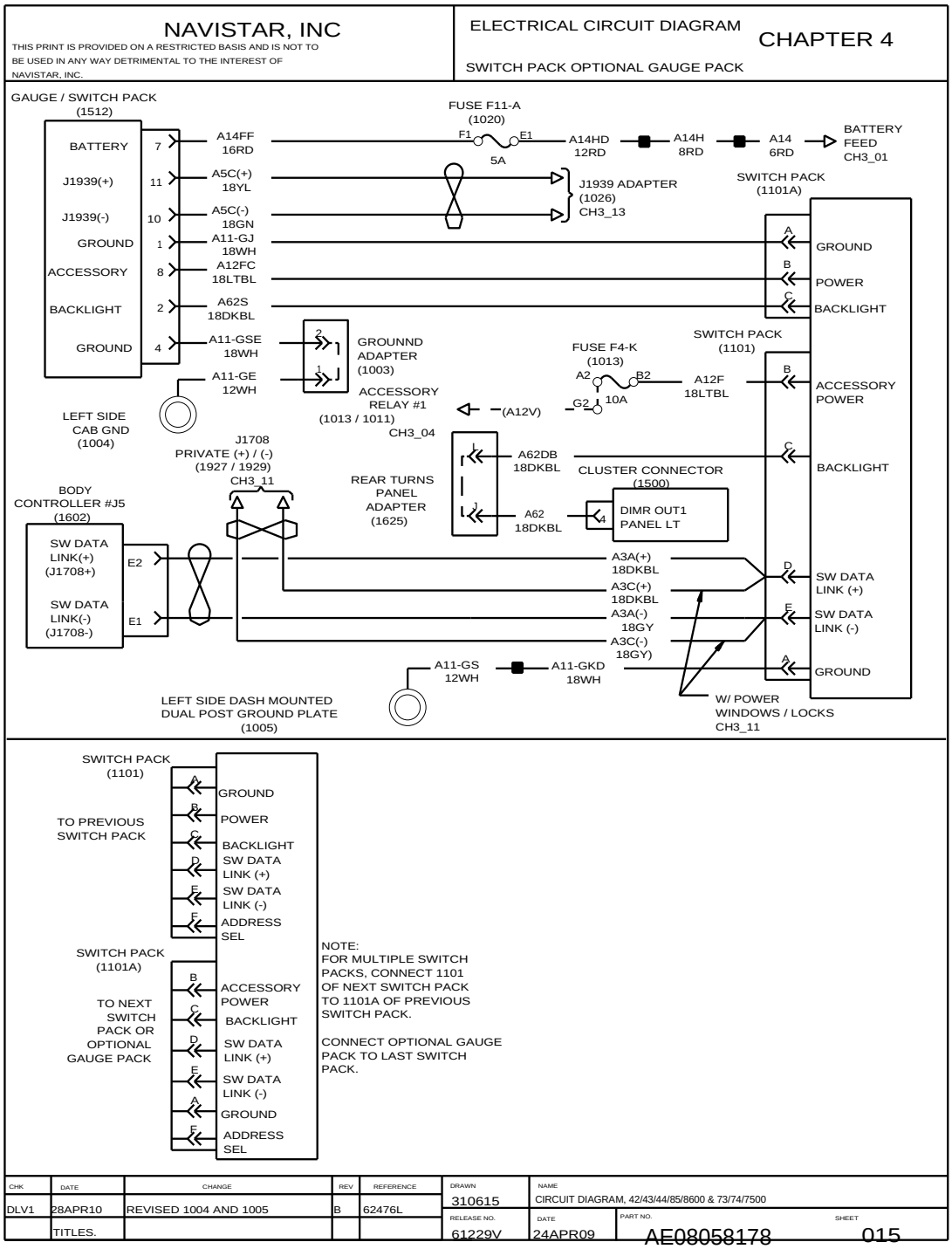


Figure 61 Switch Pack Optional Gauge Pack

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4.17. ROOF AUX LOAD, P. 16

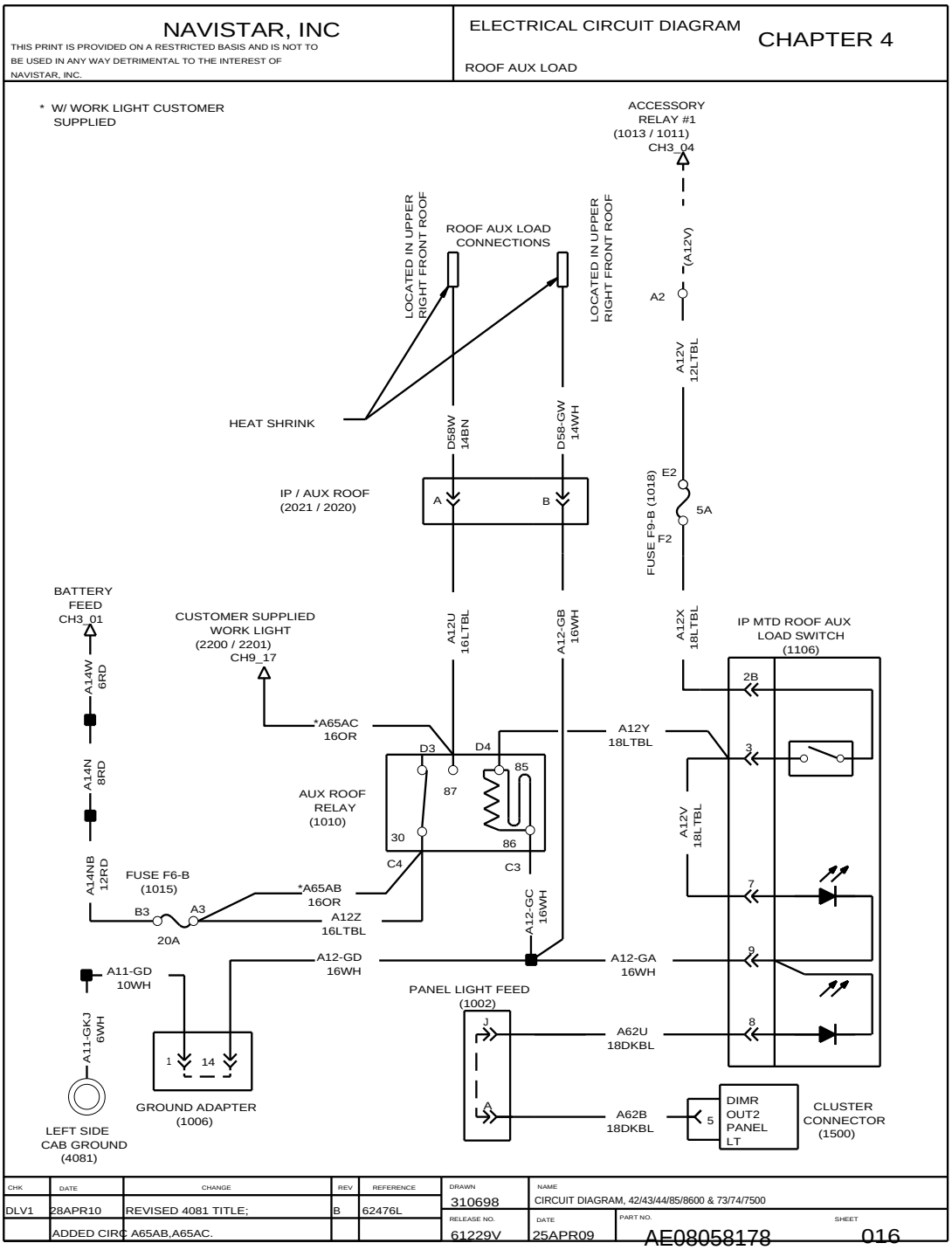


Figure 62 Roof Aux Load

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4.18. SATELLITE COMMUNICATION — QUALCOMM IMCT, P. 17

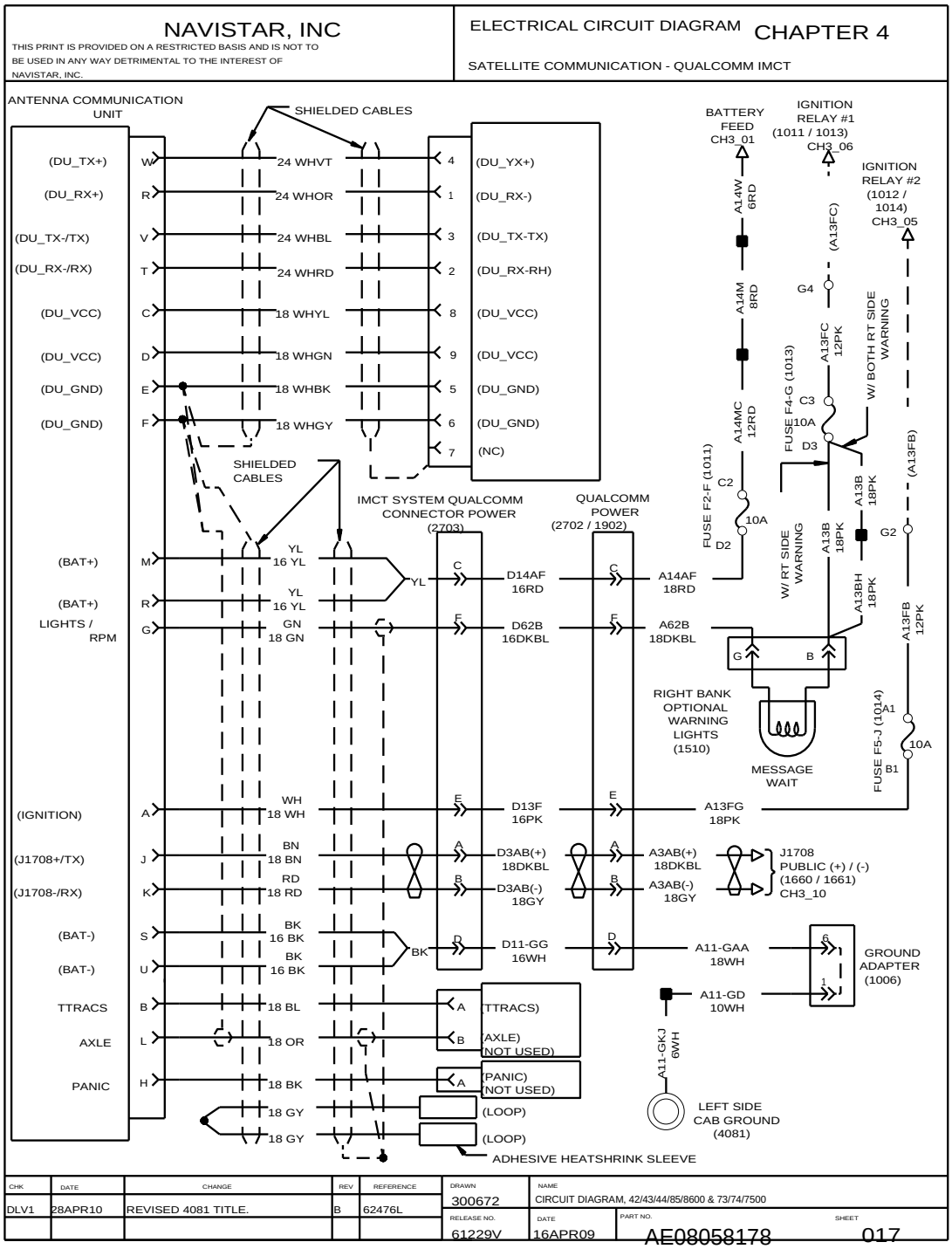


Figure 63 Satellite Communication — Qualcomm IMCT

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4.19. SATELLITE COMMUNICATION — TRIPMASTER, P. 18

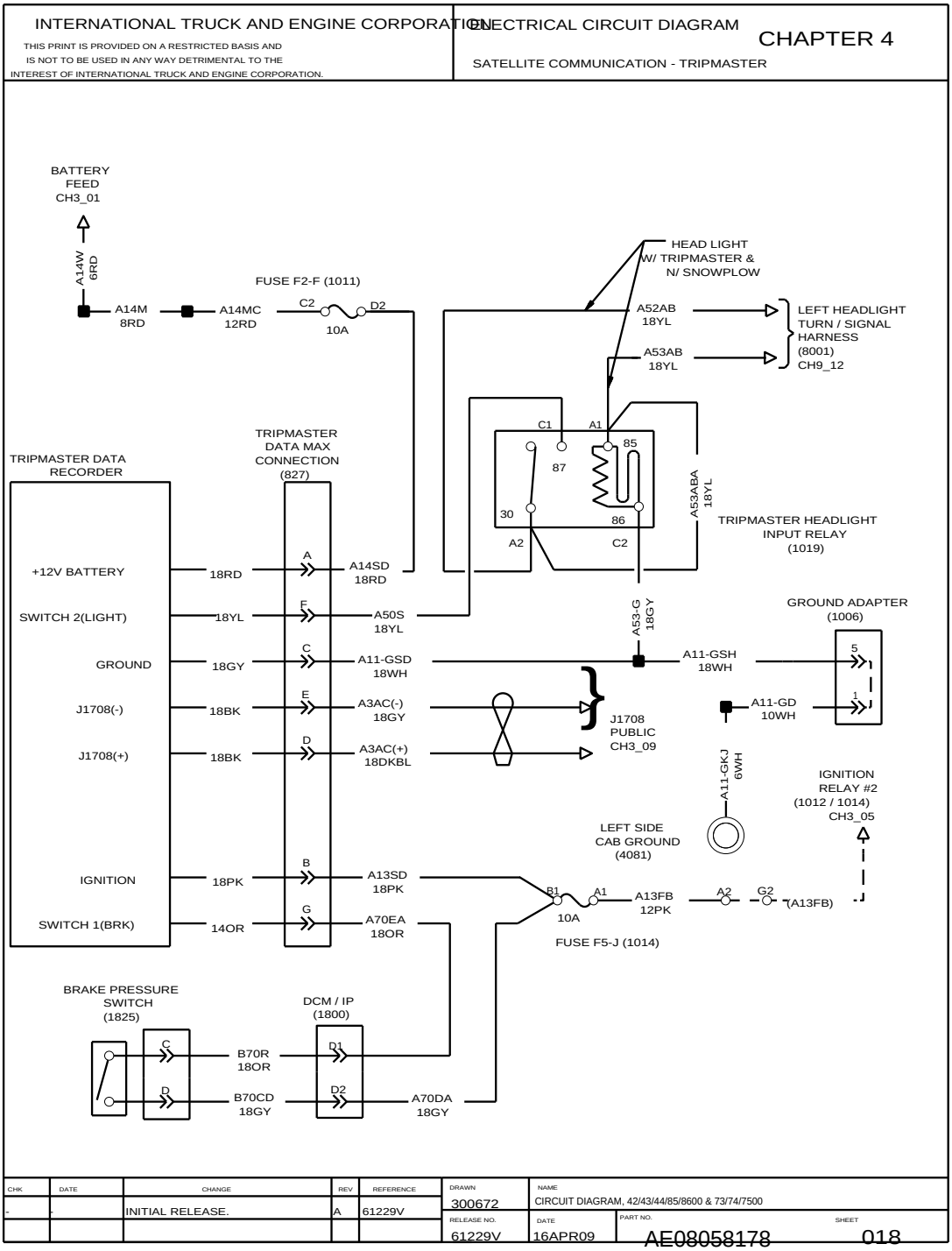


Figure 64 Satellite Communication — Tripmaster

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4.20. COMPUTER PREWIRED — XATA SYSTEM, P. 19

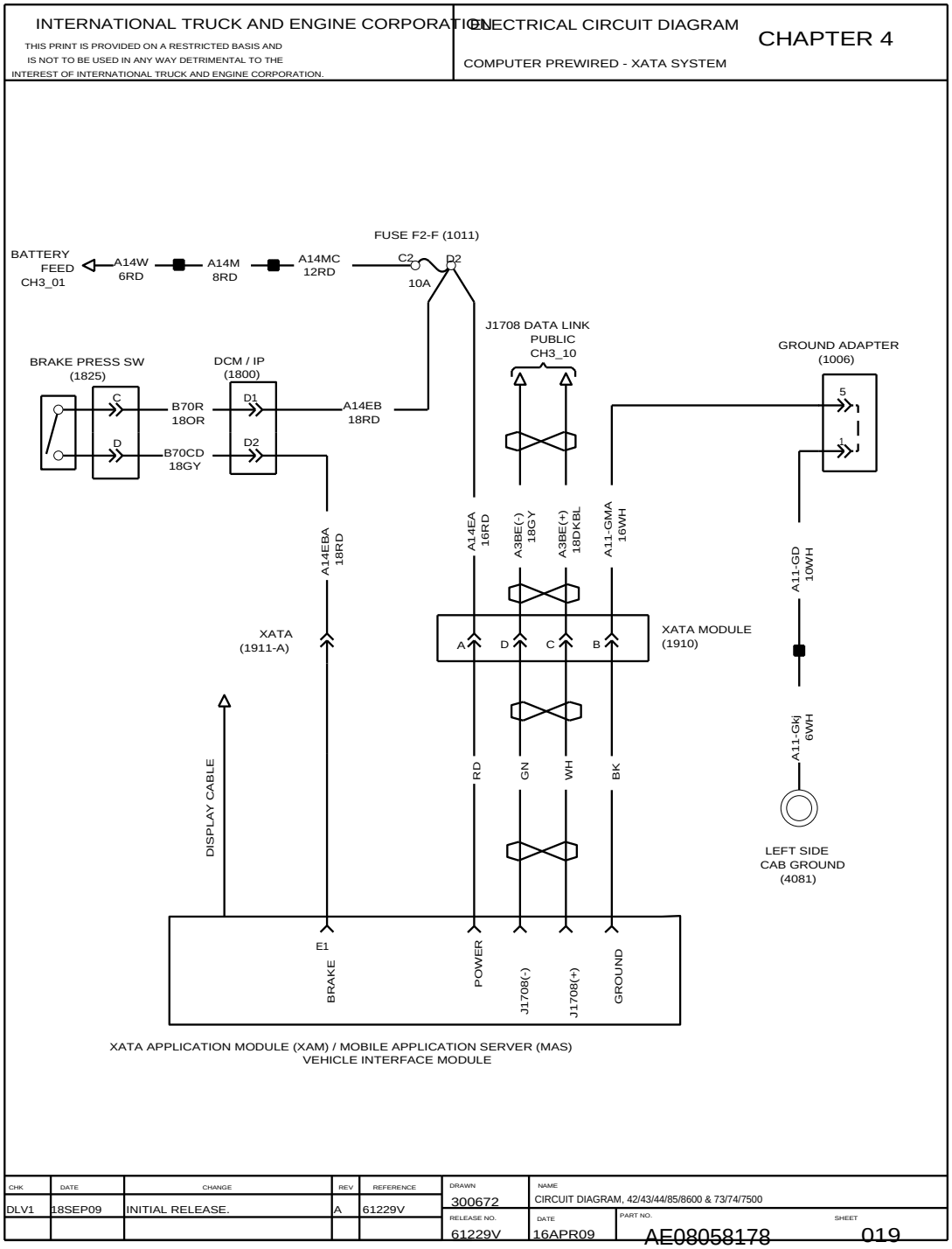


Figure 65 Computer Prewired — XATA System

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4.21. CADEC GPS SYSTEM, P. 20

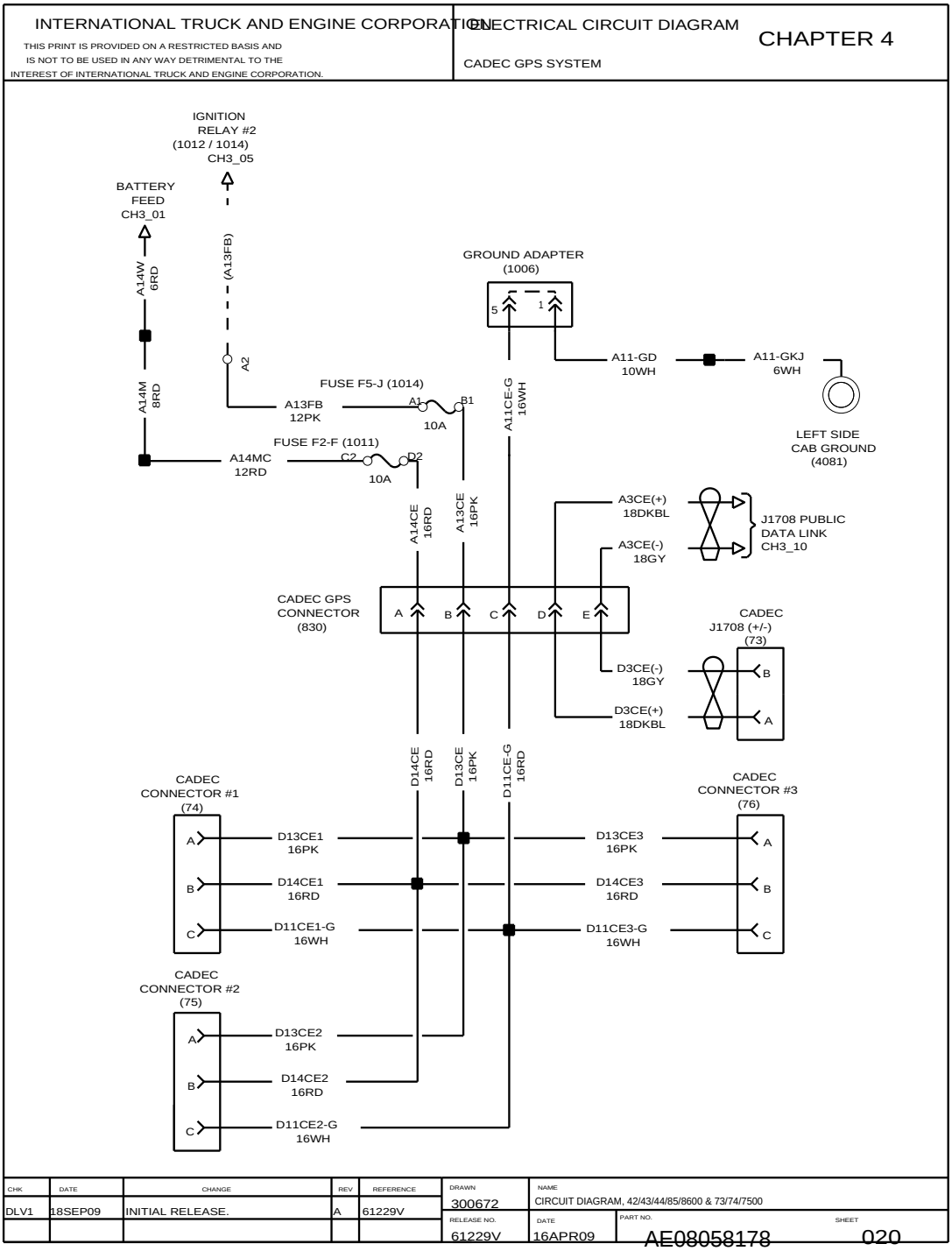


Figure 66 Cadec GPS System

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4.22. SATELLITE COMMUNICATION — MOBILEMAX, P. 21

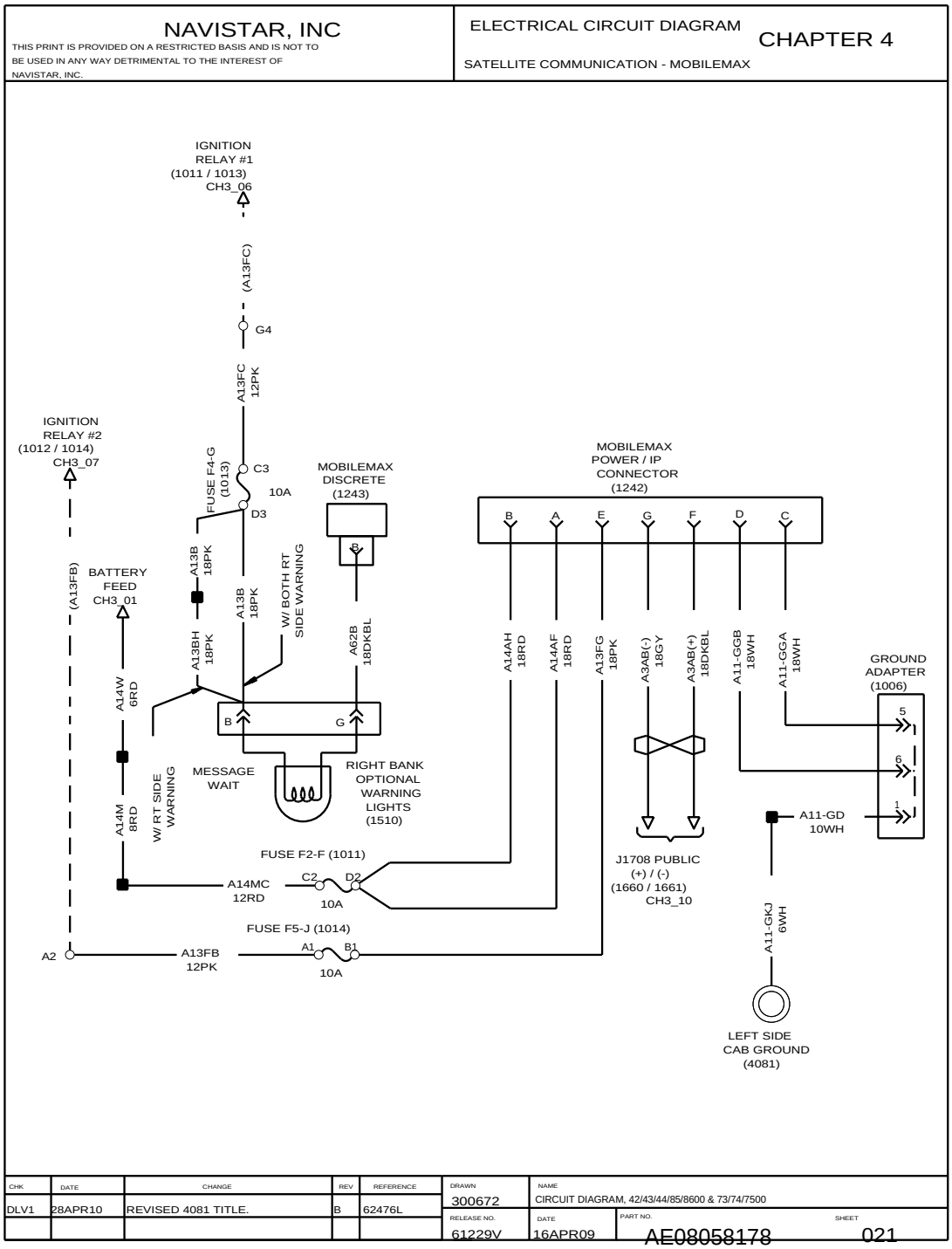


Figure 67 Satellite Communication — MobileMax

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4.23. SELF CONTAINED AIR SEAT, P. 22

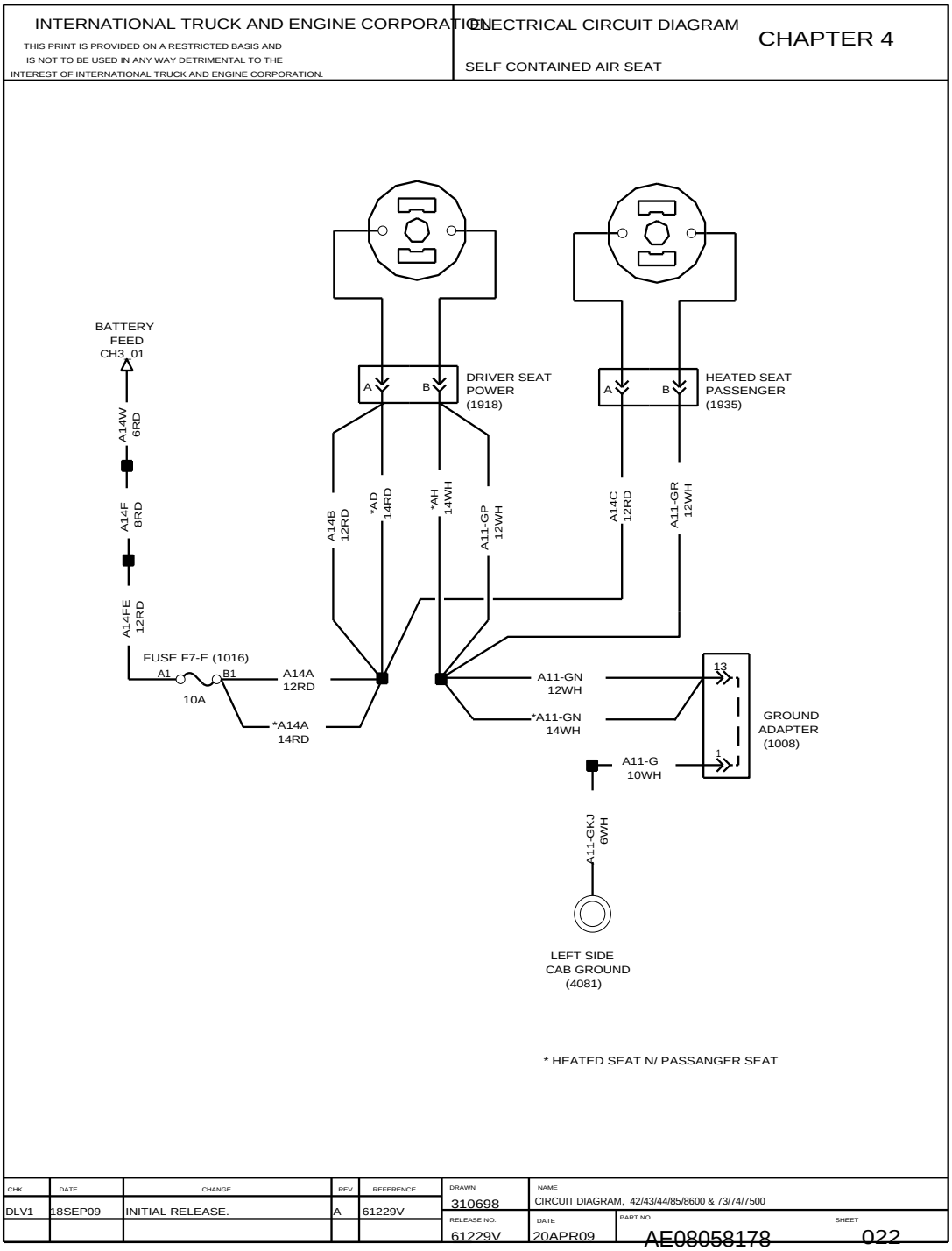


Figure 68 Self Contained Air Seat

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4.24. HEATED SEATS, P. 23

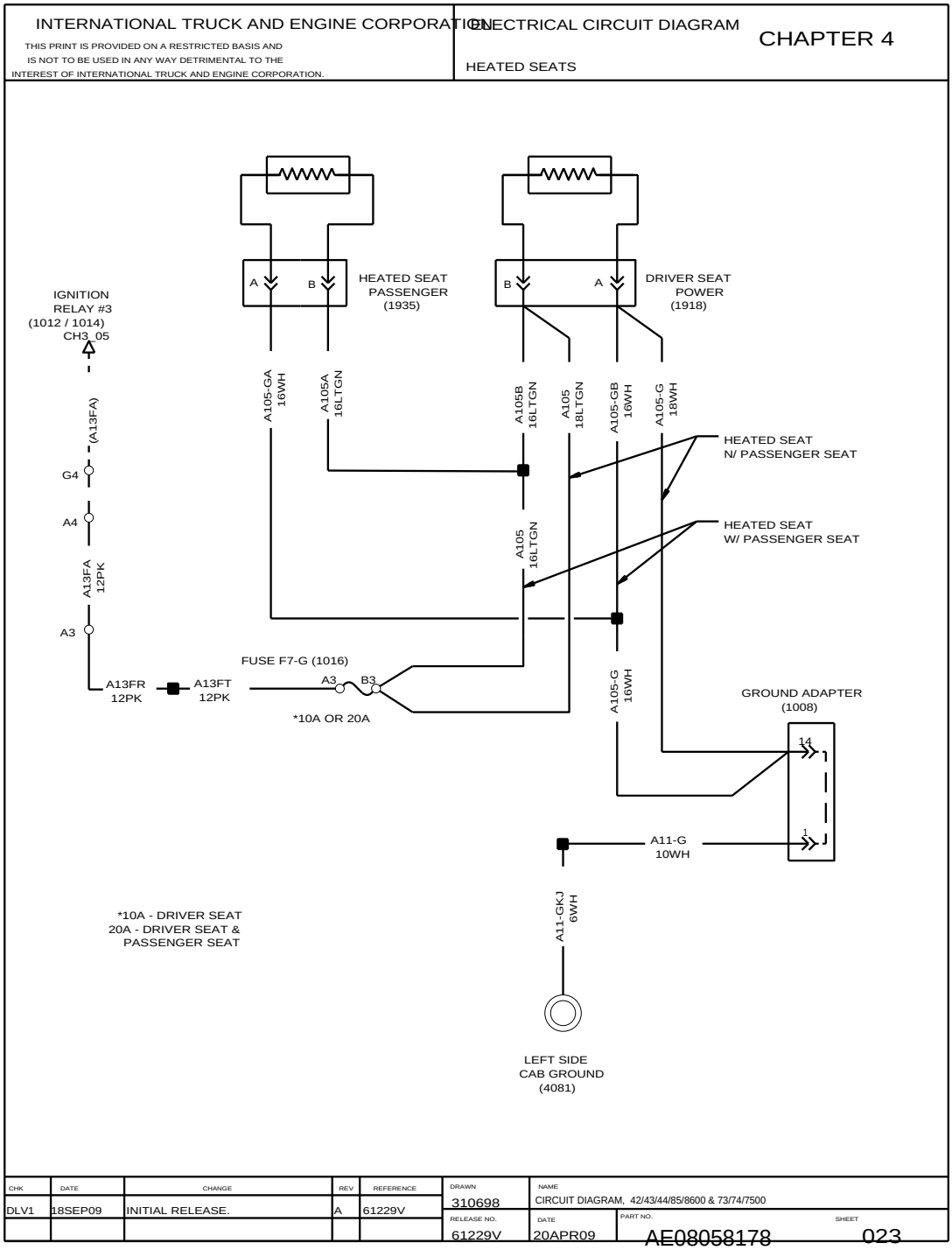


Figure 69 Heated Seats

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4.25. AWARE SYSTEM, P. 24

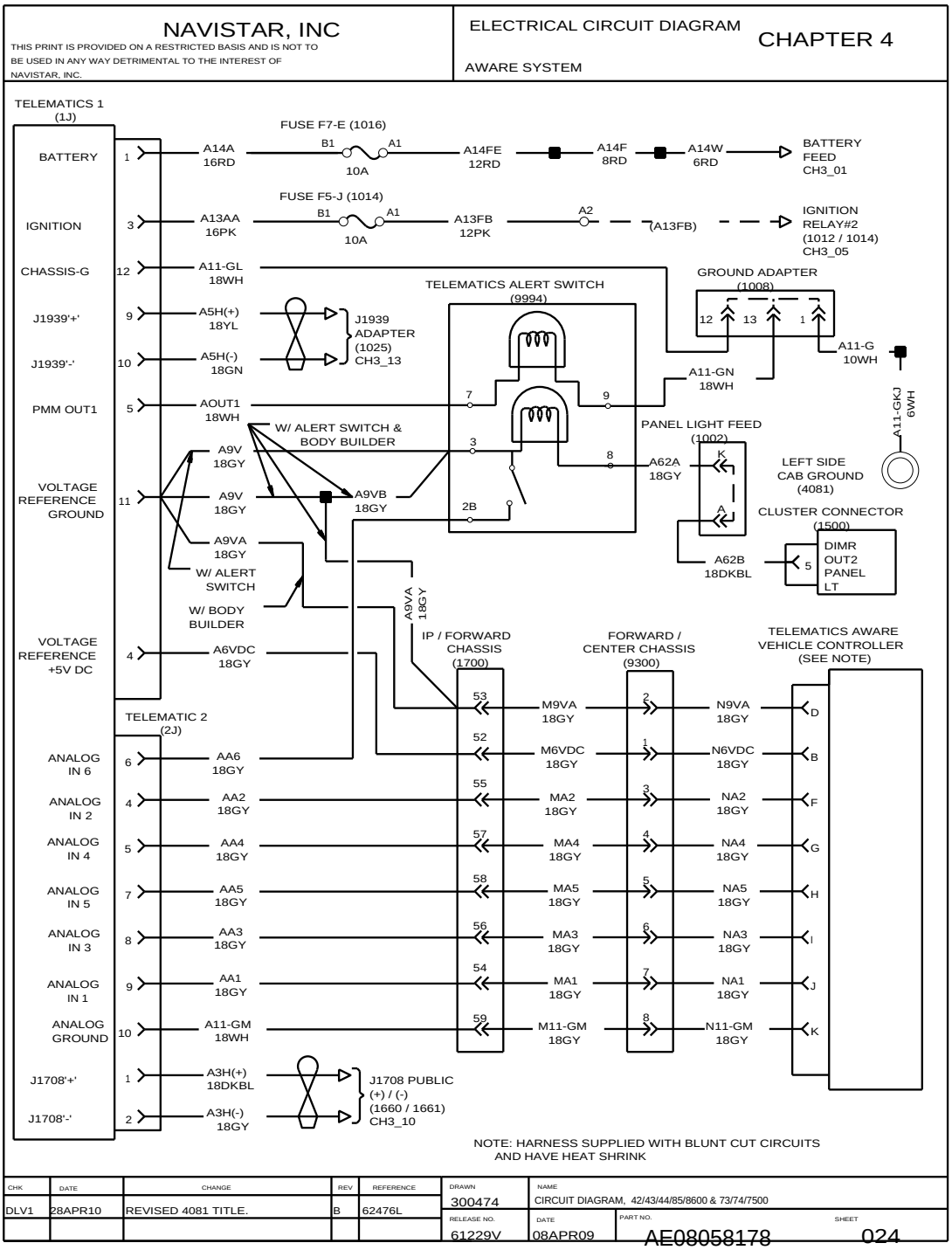


Figure 70 Aware System

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4.26. EATON VORAD COLLISION AVOIDANCE SYSTEM, P. 25

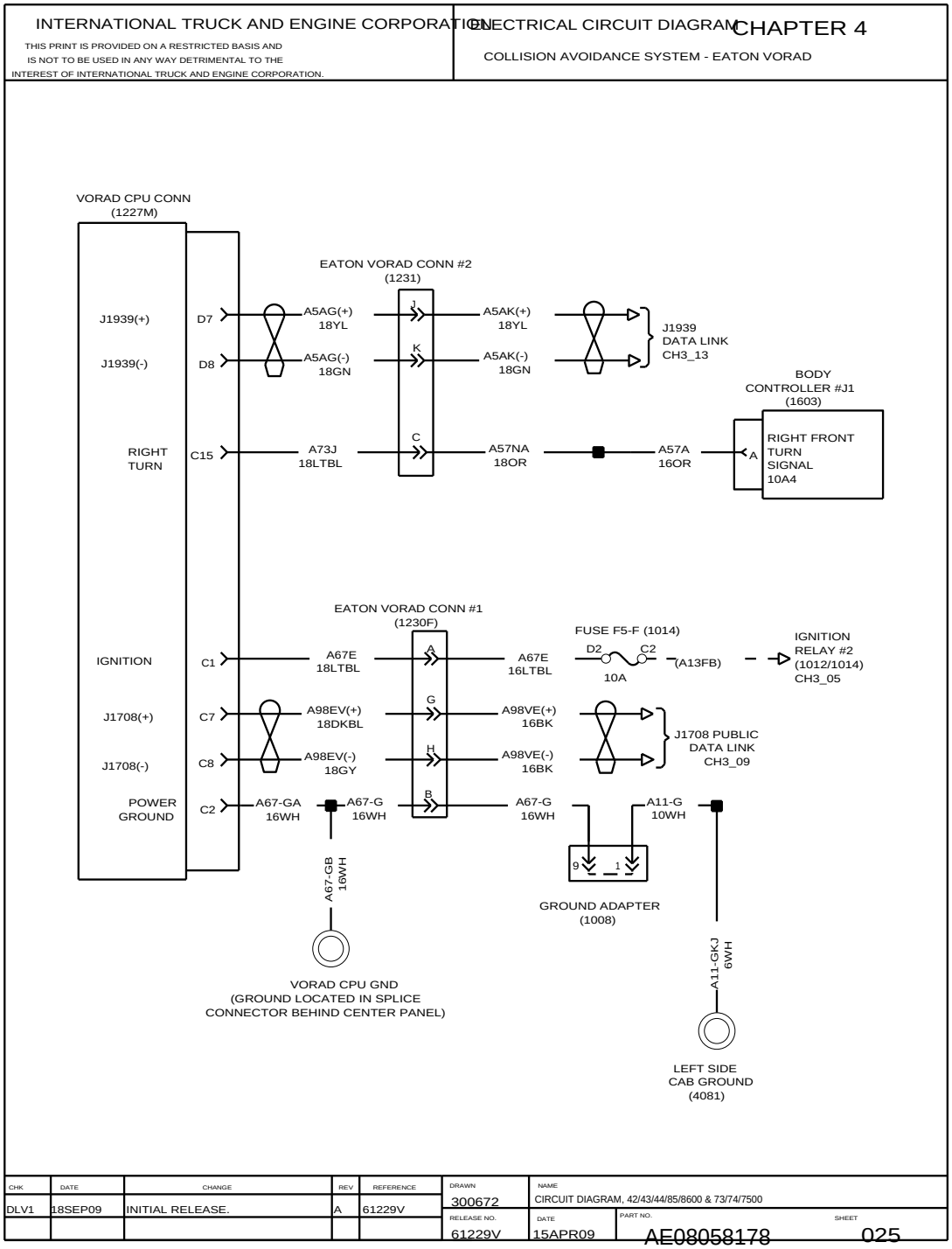


Figure 71 Eaton Vorad Collision Avoidance System

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4.27. EATON VORAD COLLISION AVOIDANCE SYSTEM, P. 26

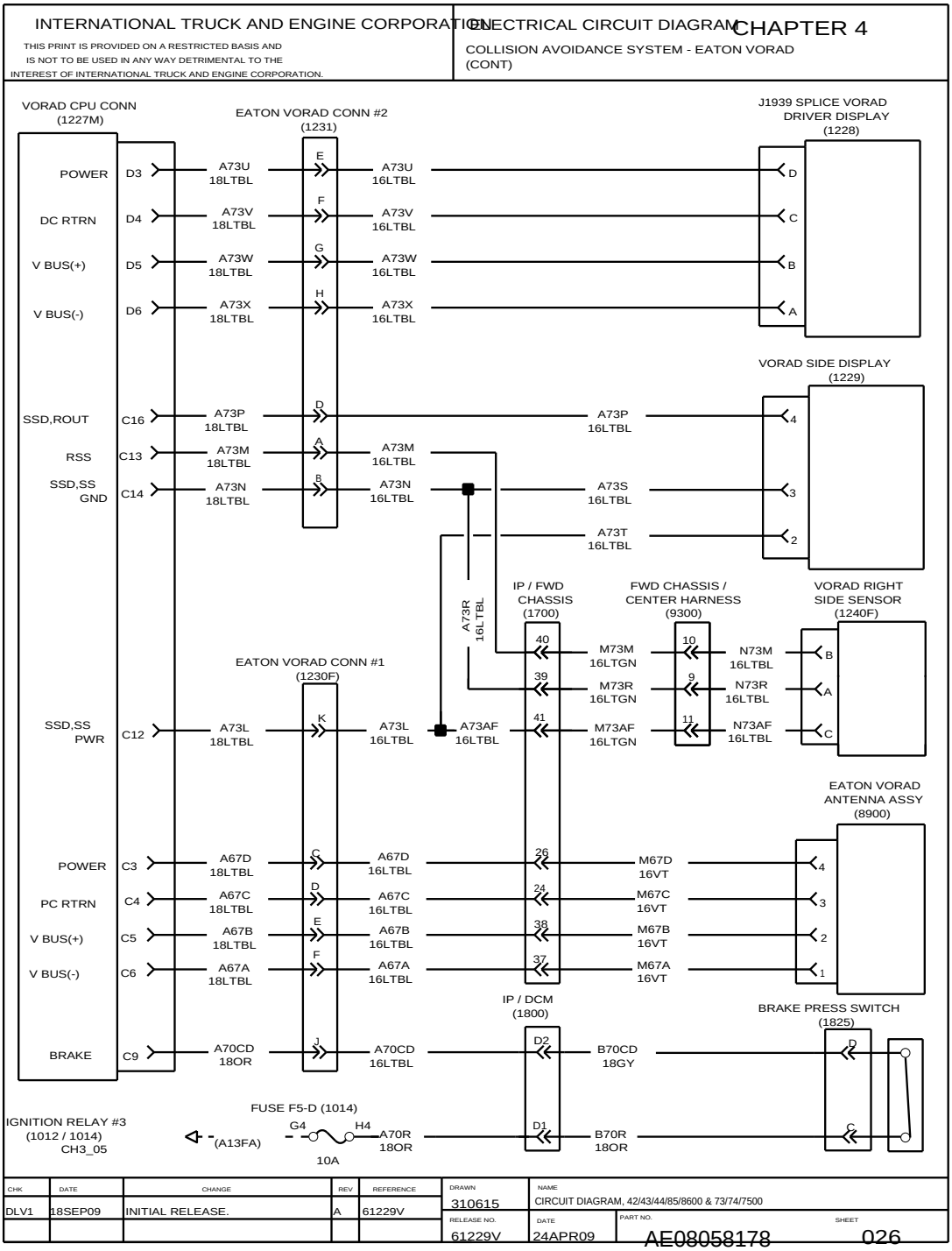


Figure 72 Eaton Vorad Collision Avoidance System

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4.28. EATON VORAD COLLISION AVOIDANCE SYSTEM VS400, P. 27

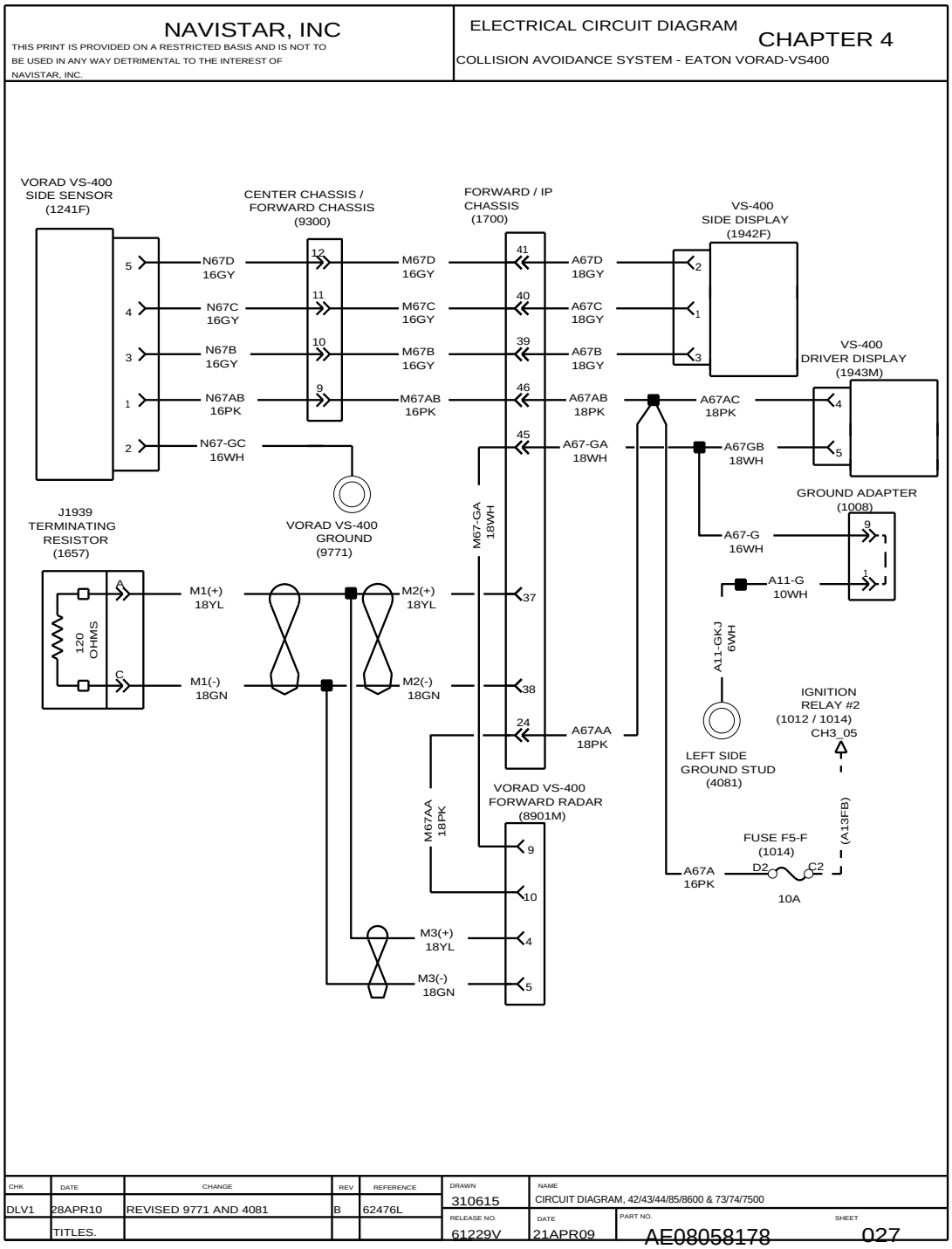


Figure 73 Eaton Vorad Collision Avoidance System VS400

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4.29. BACK-UP CAMERA, P. 28

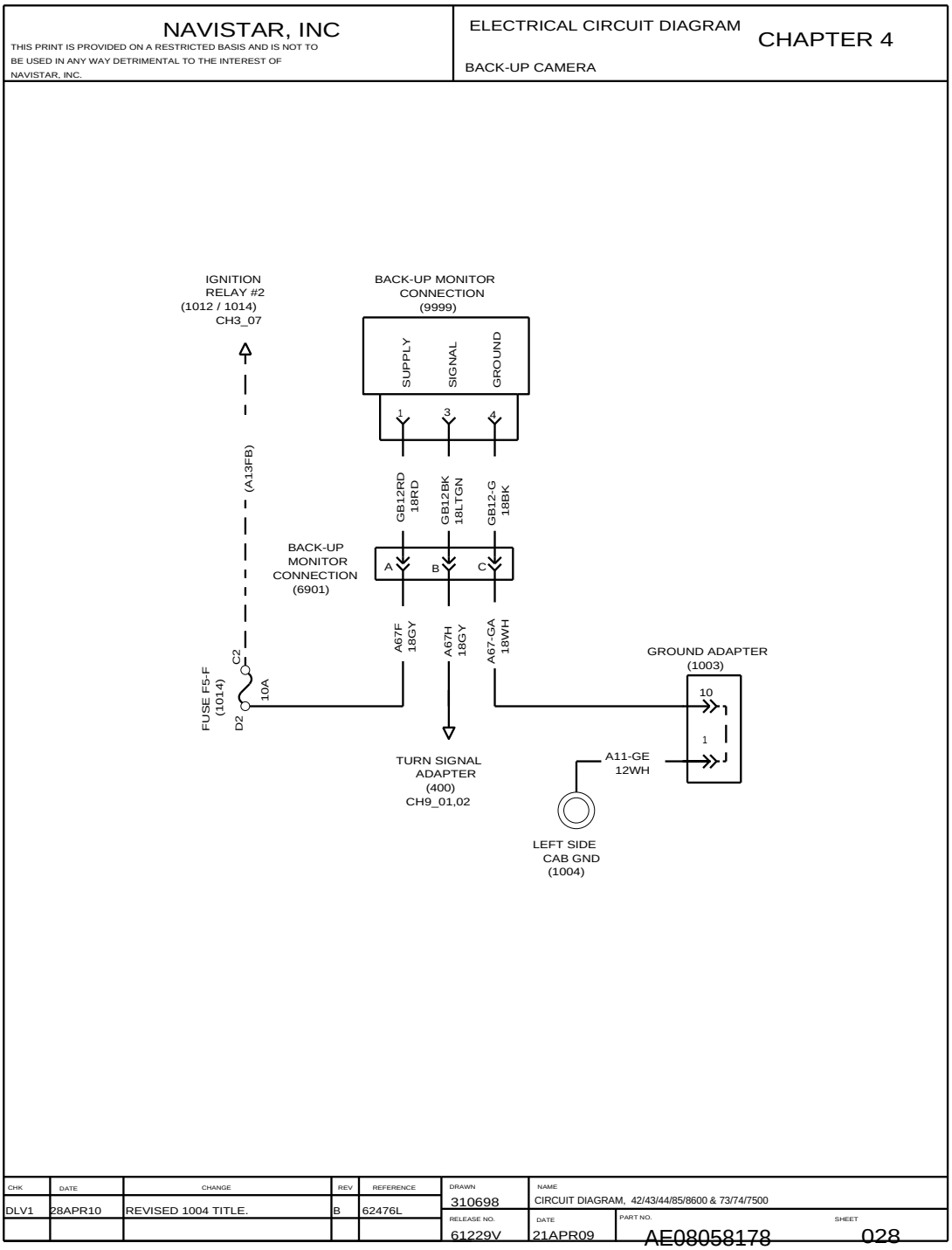


Figure 74 Back-Up Camera

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4.30. SATELLITE COMMUNICATION — QUALCOMM IMCT W/ MVPC KEYBOARD, P. 29

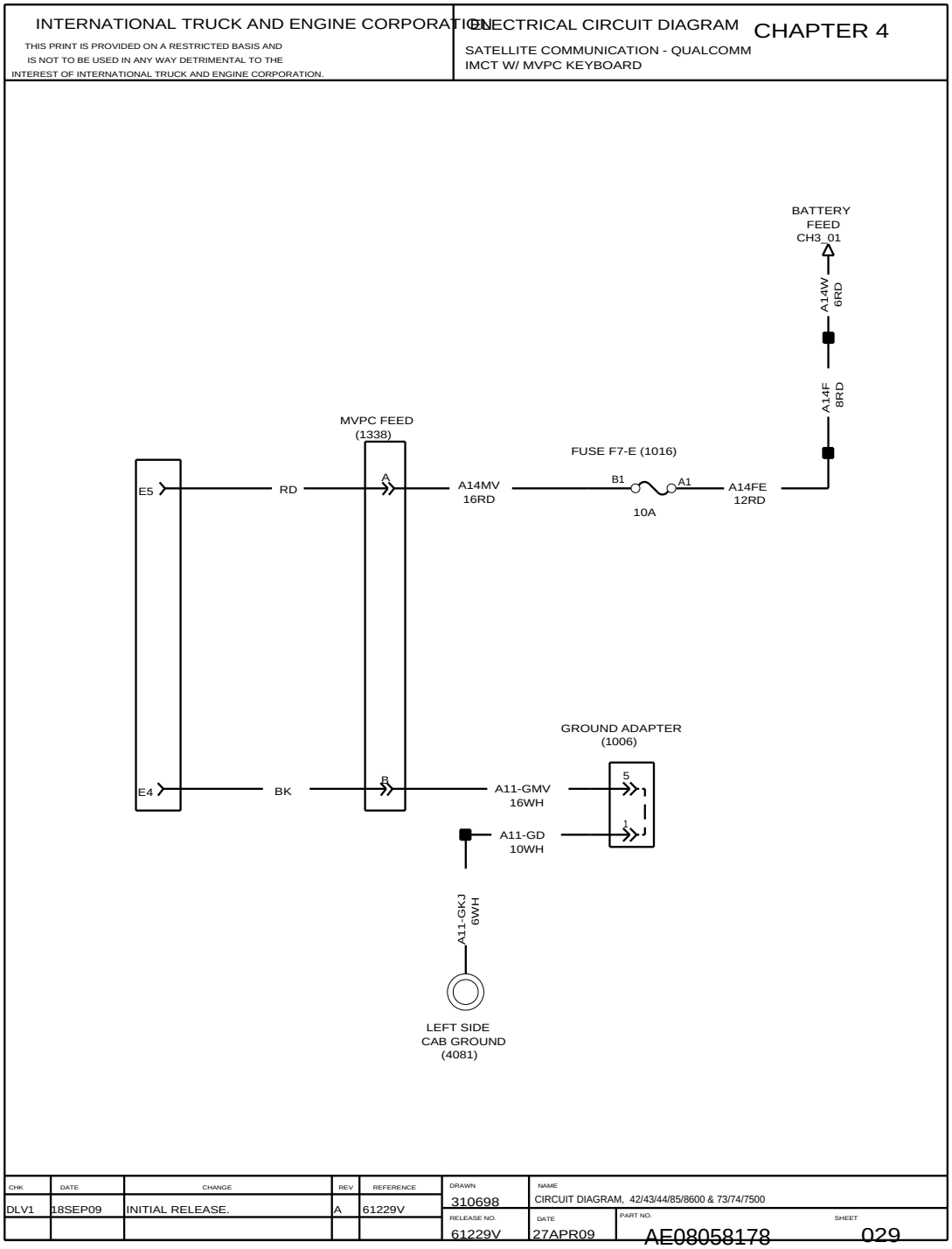


Figure 75 Satellite Communication — Qualcomm IMCT w/ MVPC Keyboard

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4.31. AIR SHIELD LIGHT, P. 30

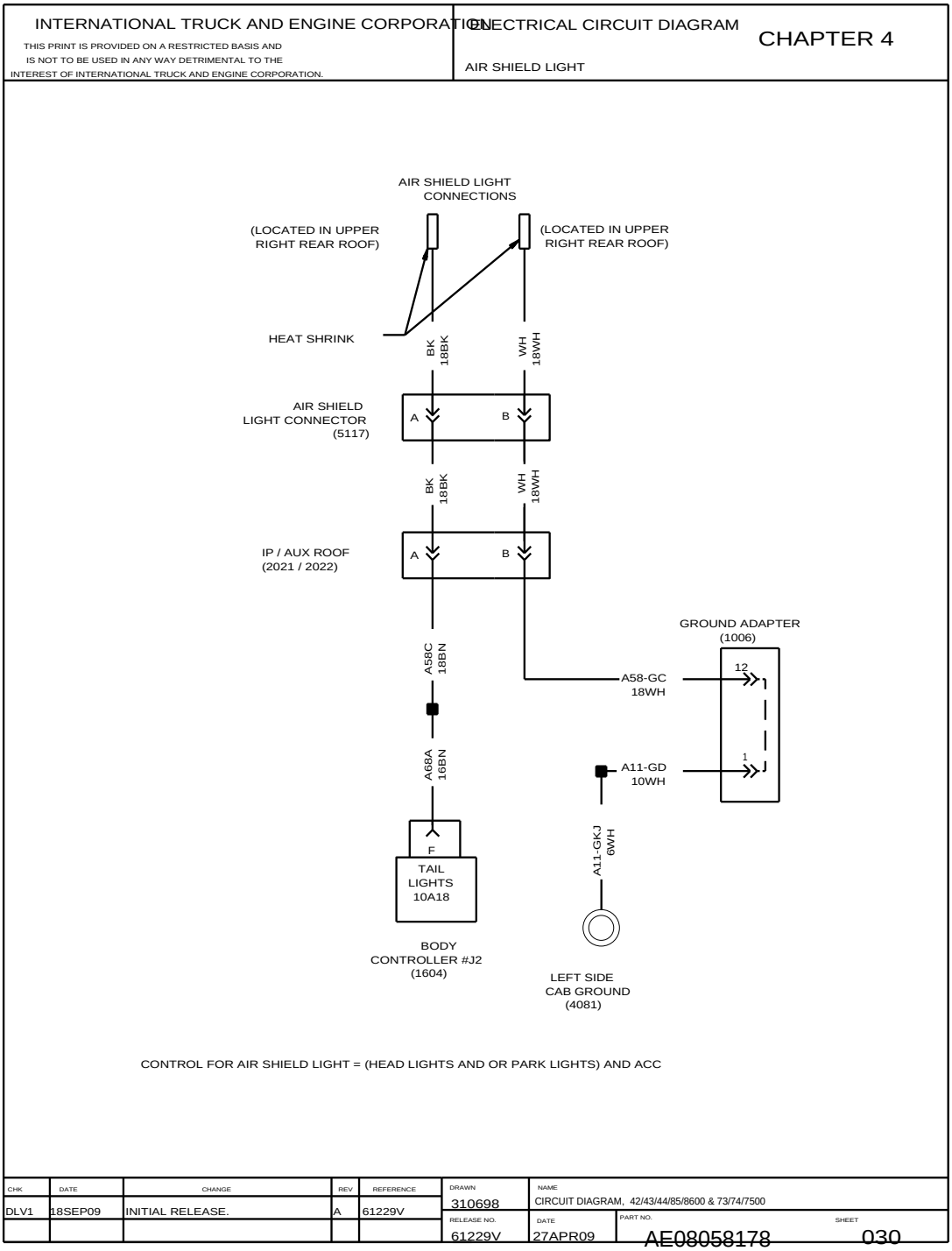


Figure 76 Air Shield Light

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4.32. SATELLITE COMMUNICATION — QUALCOMM OMNIVISION, P. 31

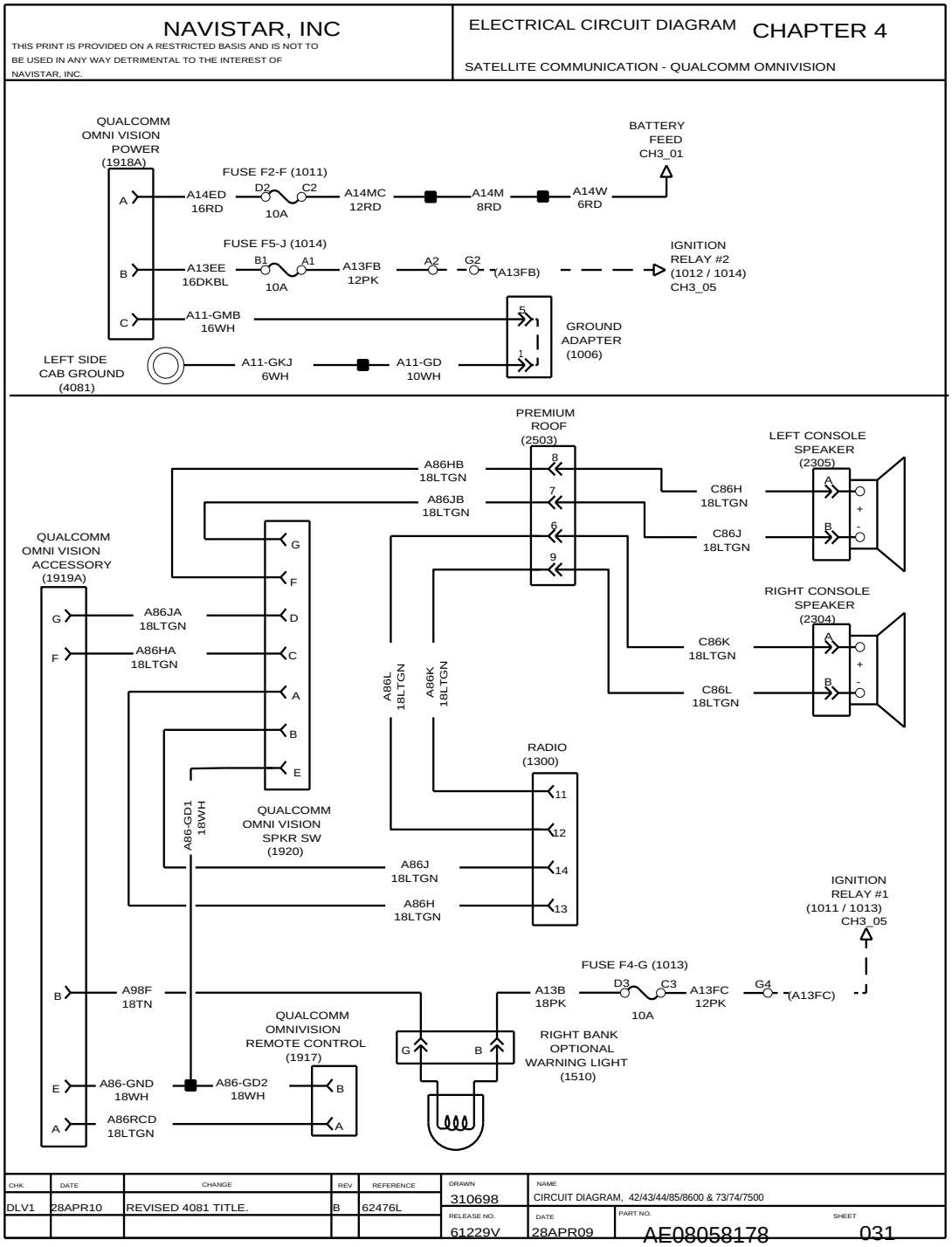


Figure 77 Satellite Communication — Qualcomm Omnivision

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4.33. RADIO (ENTERTAINMENT), SPEAKERS — W/ 12 WAY CONNECTOR, P. 32

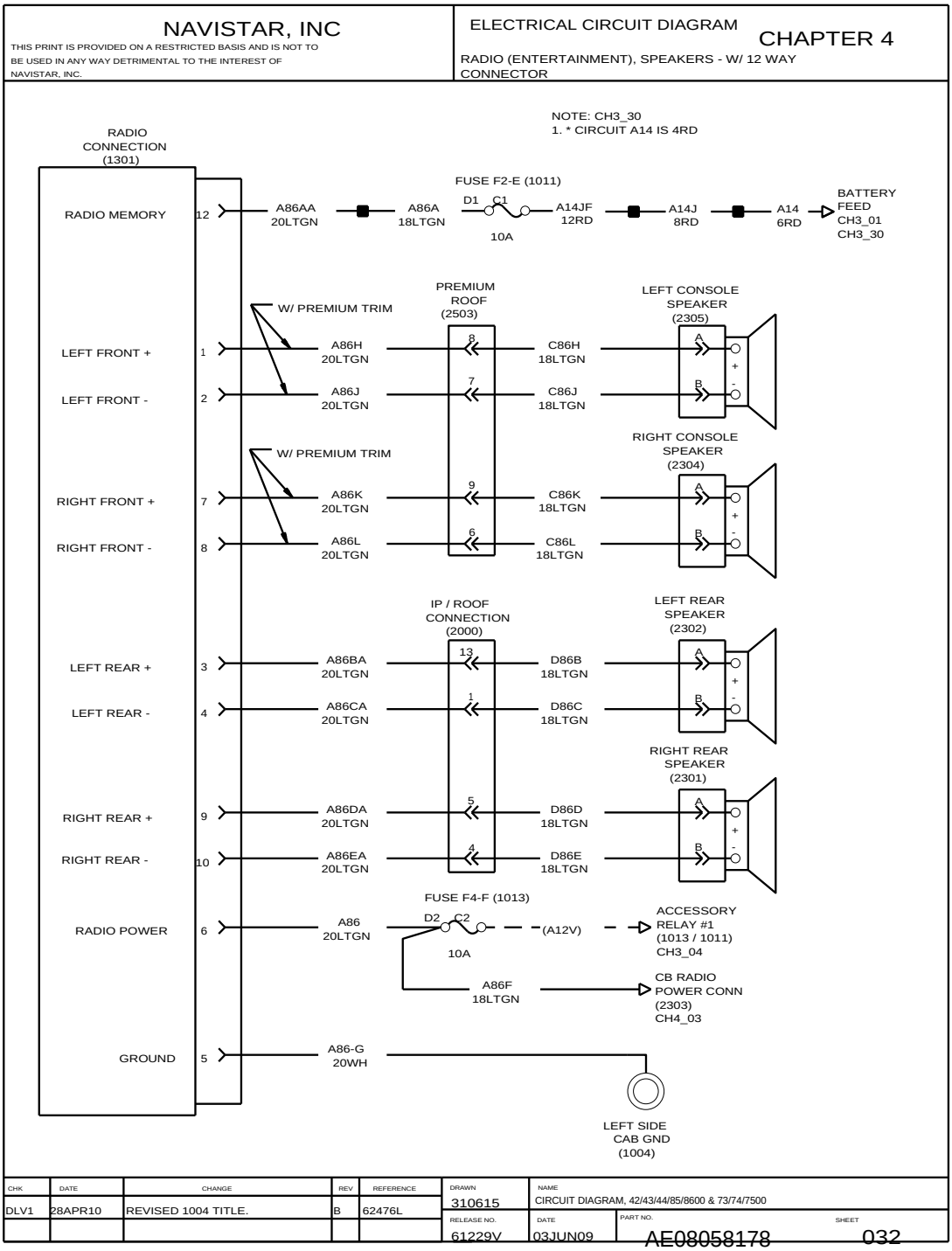


Figure 78 Radio (Entertainment), Speakers — w/ 12 Way Connector

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4.34. RADIO (ENTERTAINMENT), SPEAKERS — W/ 16 WAY CONNECTOR, P. 33

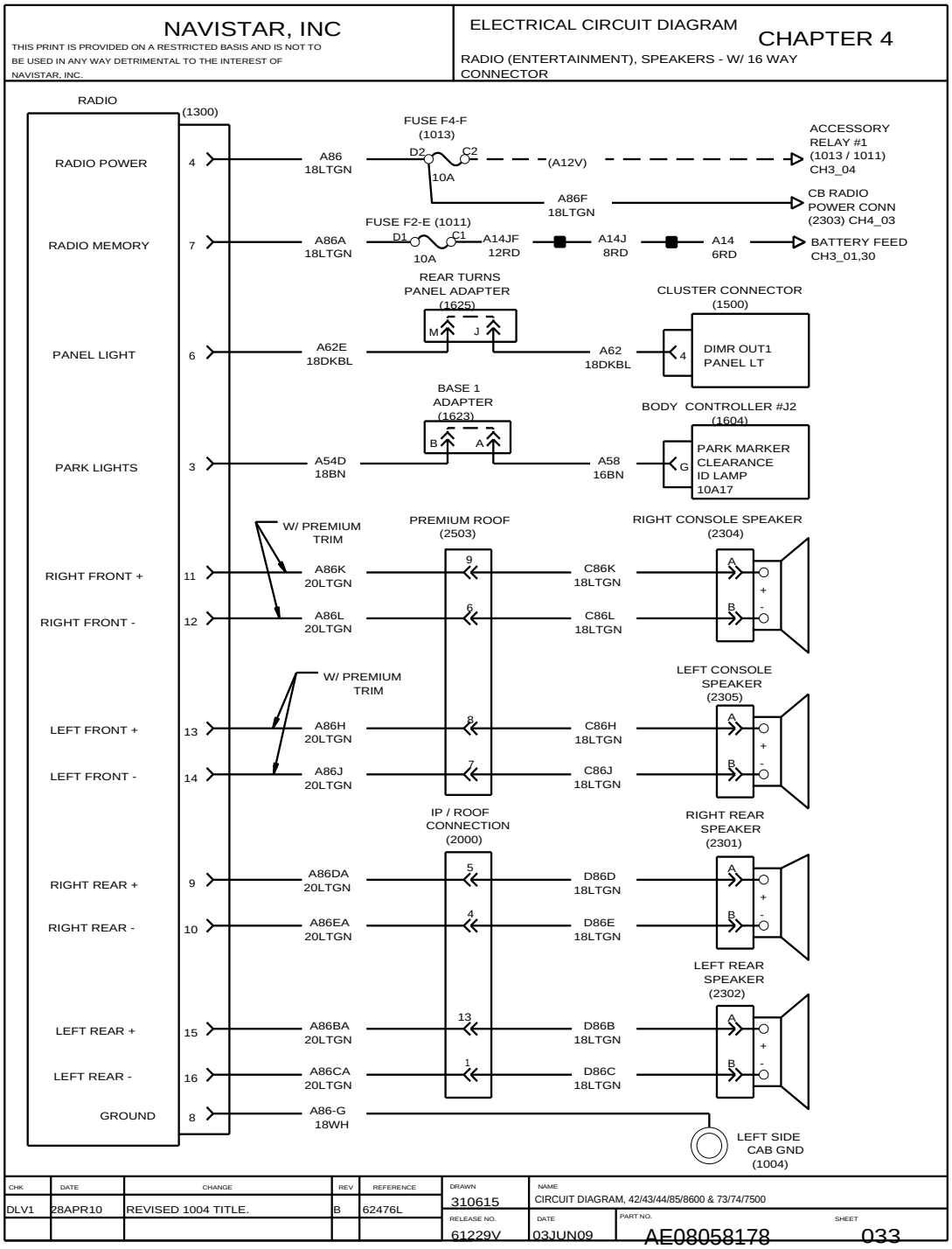


Figure 79 Radio (Entertainment), Speakers — w/ 16 Way Connector

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4.35. SEATBELT AND SEAT SENSOR, P. 34

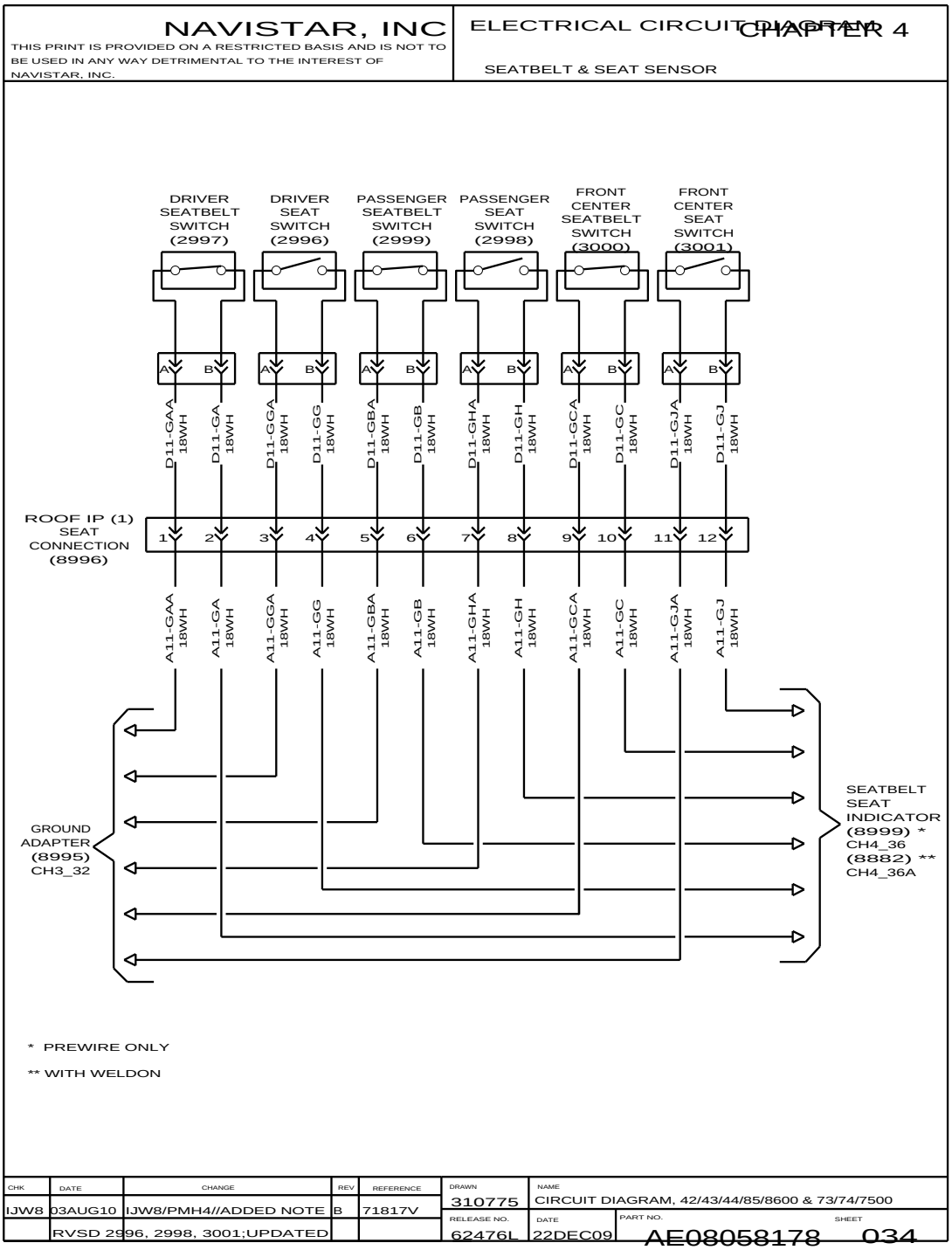


Figure 80 Seatbelt and Seat Sensor

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4.36. SEATBELT AND SEAT SENSOR, P. 35

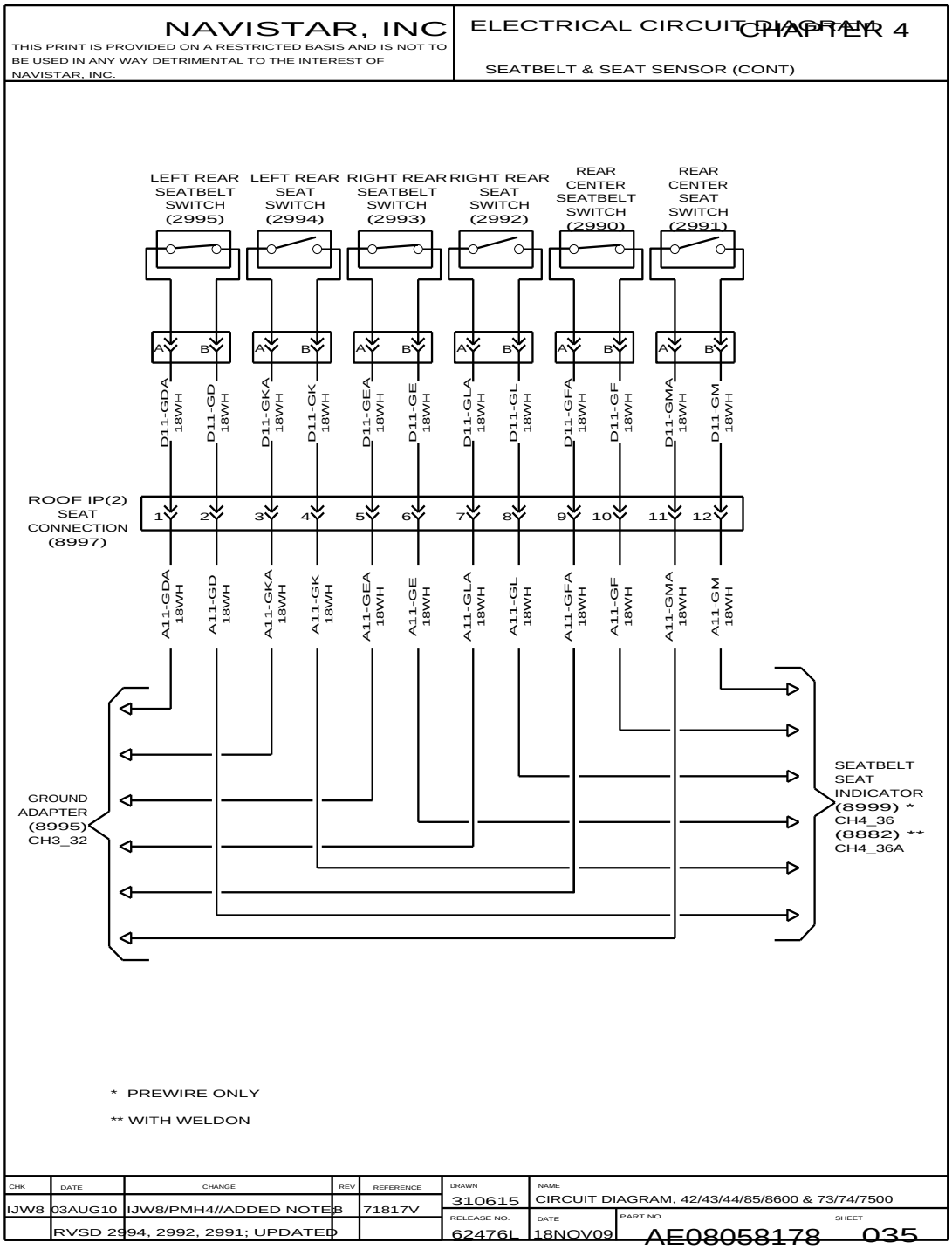


Figure 81 Seatbelt and Seat Sensor

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4.37. SEATBELT AND SEAT SENSOR, P. 36

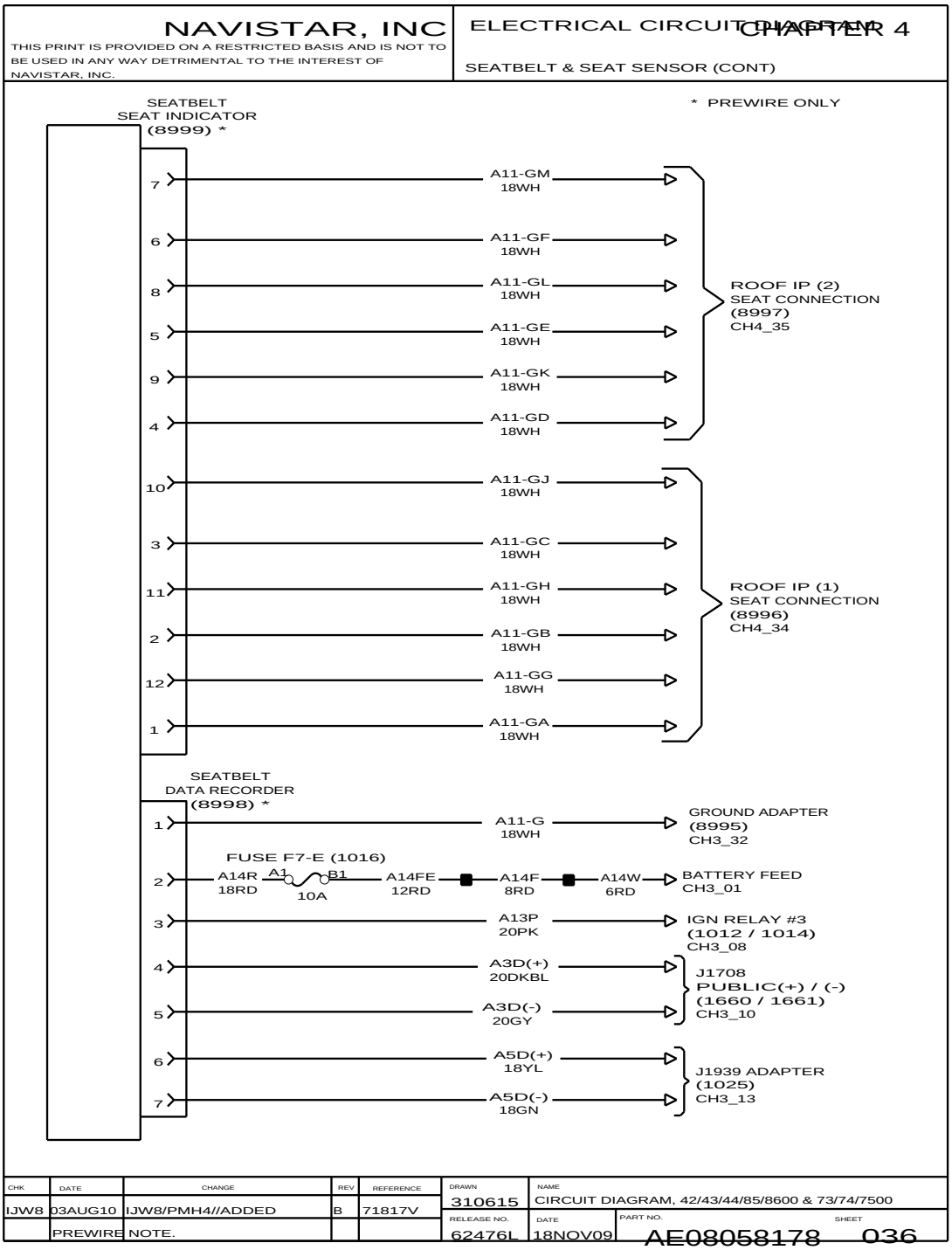


Figure 82 Seatbelt and Seat Sensor

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4.38. SEATBELT AND SEAT SENSOR, P. 36A

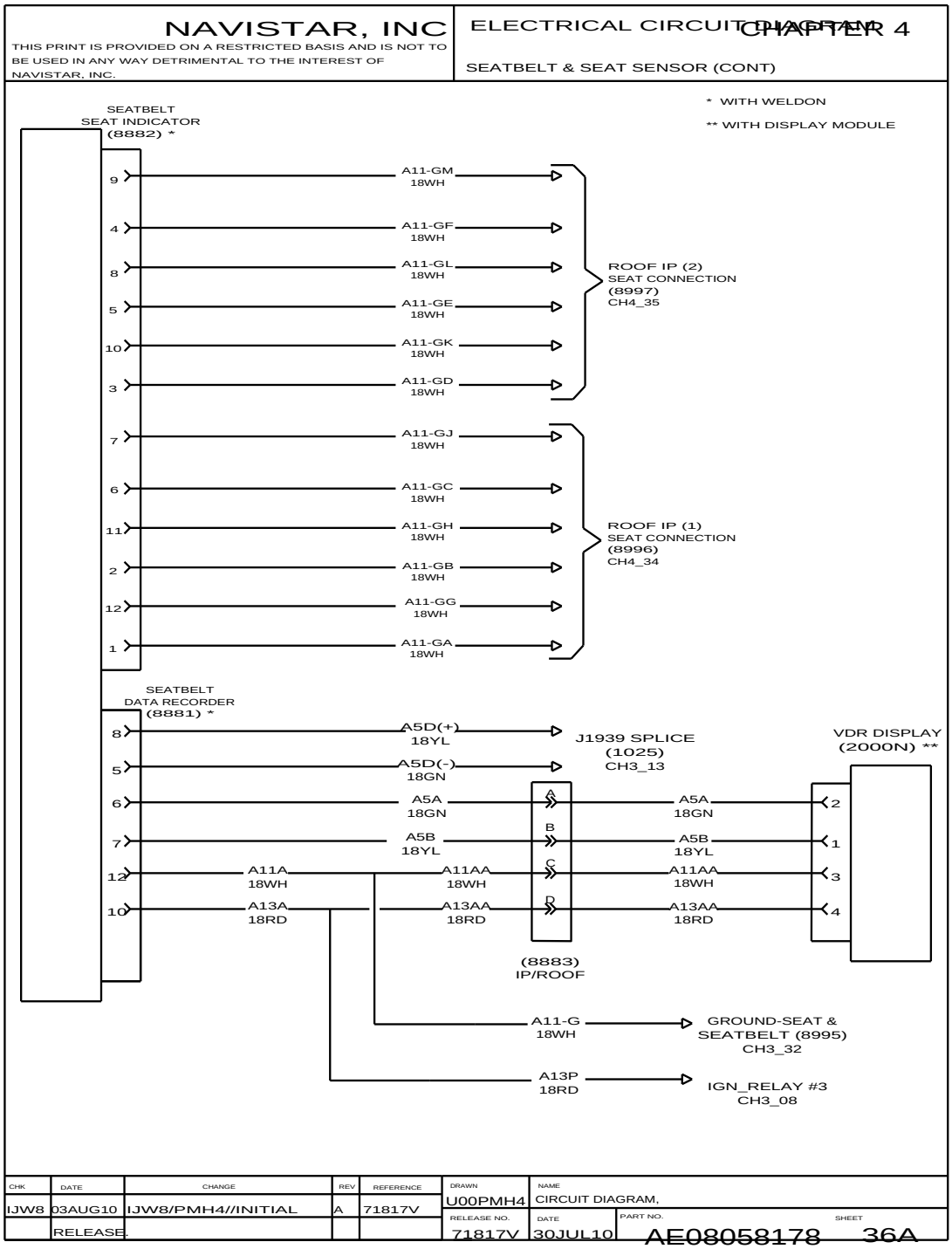


Figure 83 Seatbelt and Seat Sensor

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

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

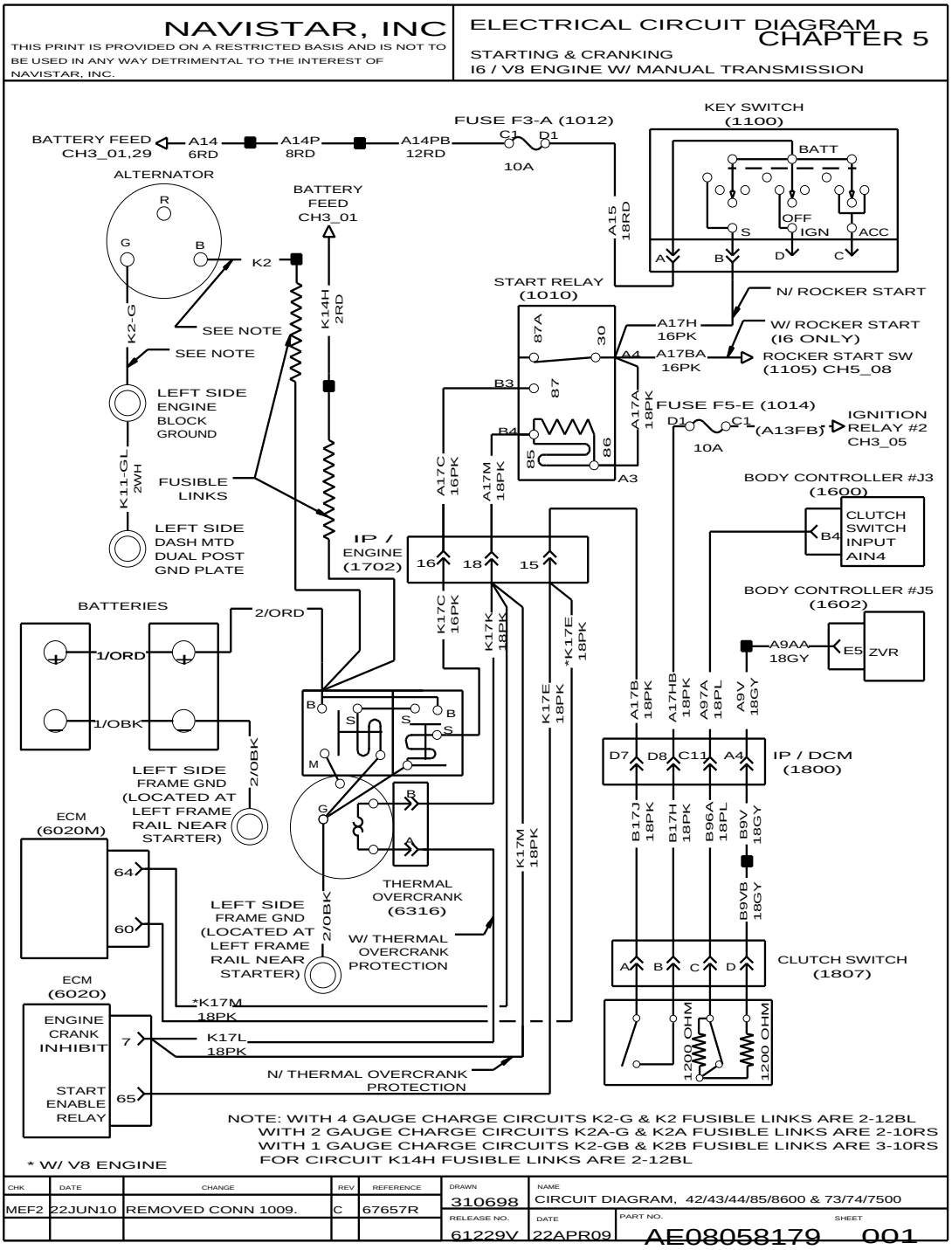


Figure 84 I6 / V8 Engines with Manual Transmission

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5.2. IBB ENGINES WITH MANUAL TRANSMISSION, P. 2

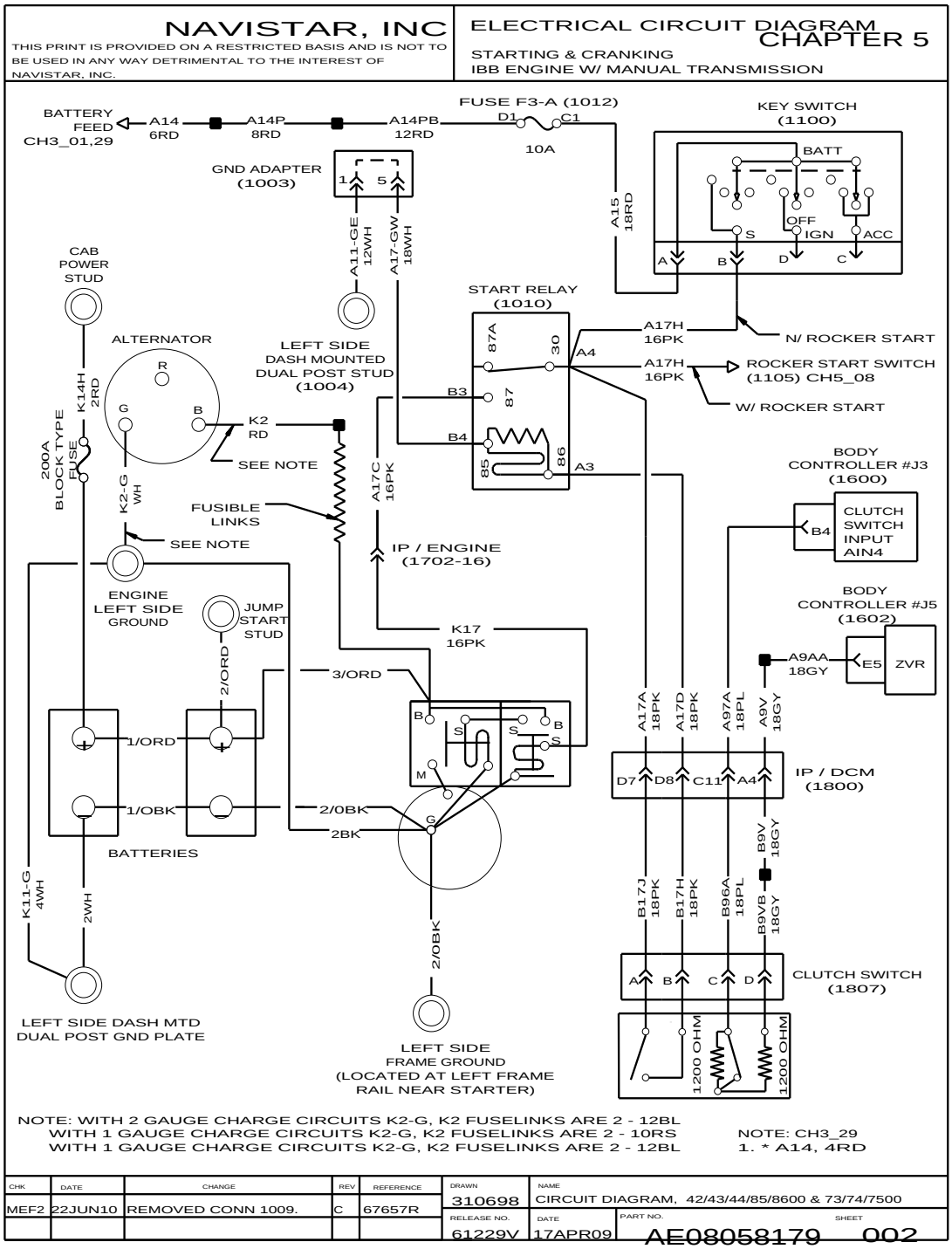


Figure 85 IBB Engines with Manual Transmission

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

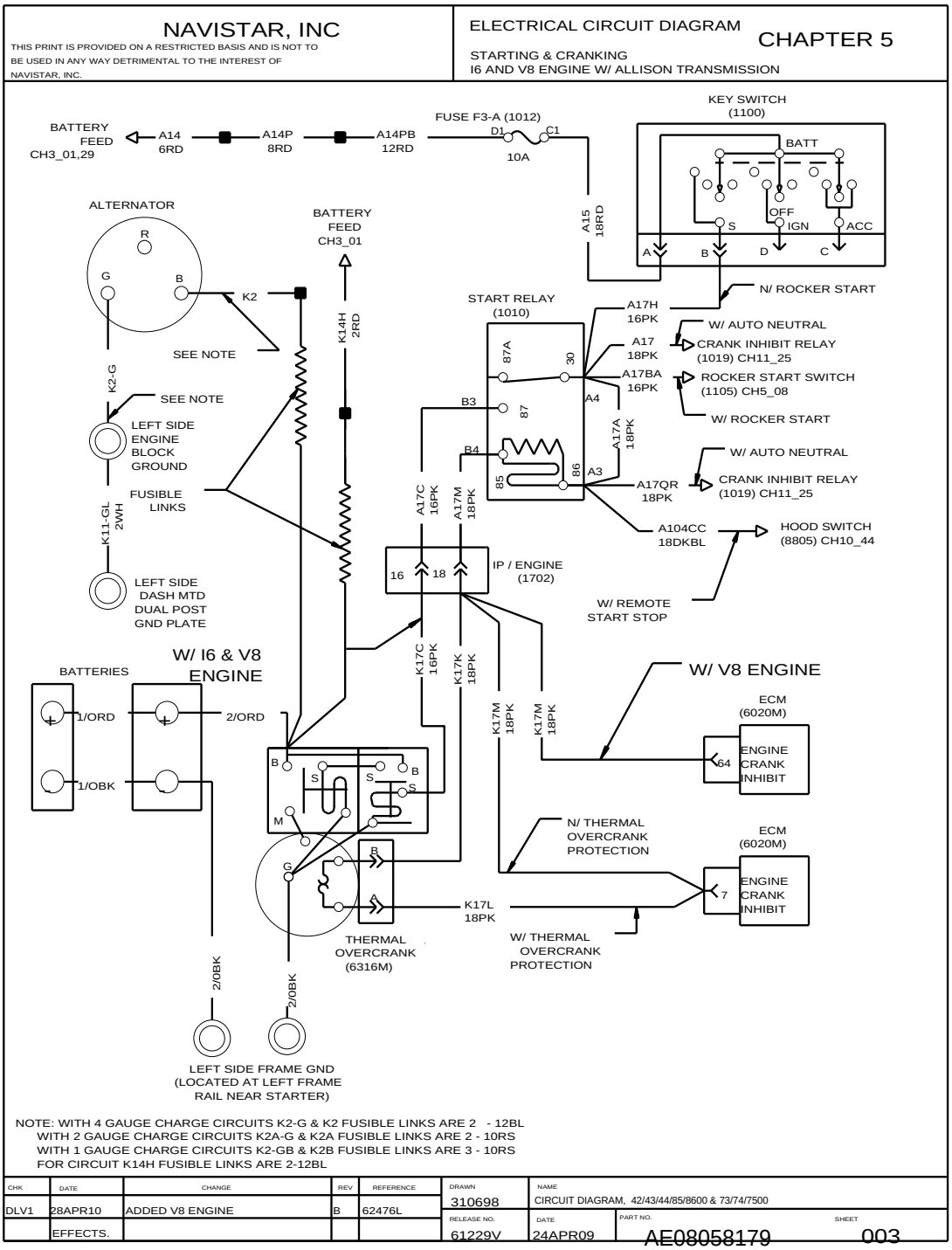


Figure 86 I6 and V8 Engines with Allison Transmission

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5.4. IBB ENGINES WITH ALLISON TRANSMISSION, P. 4

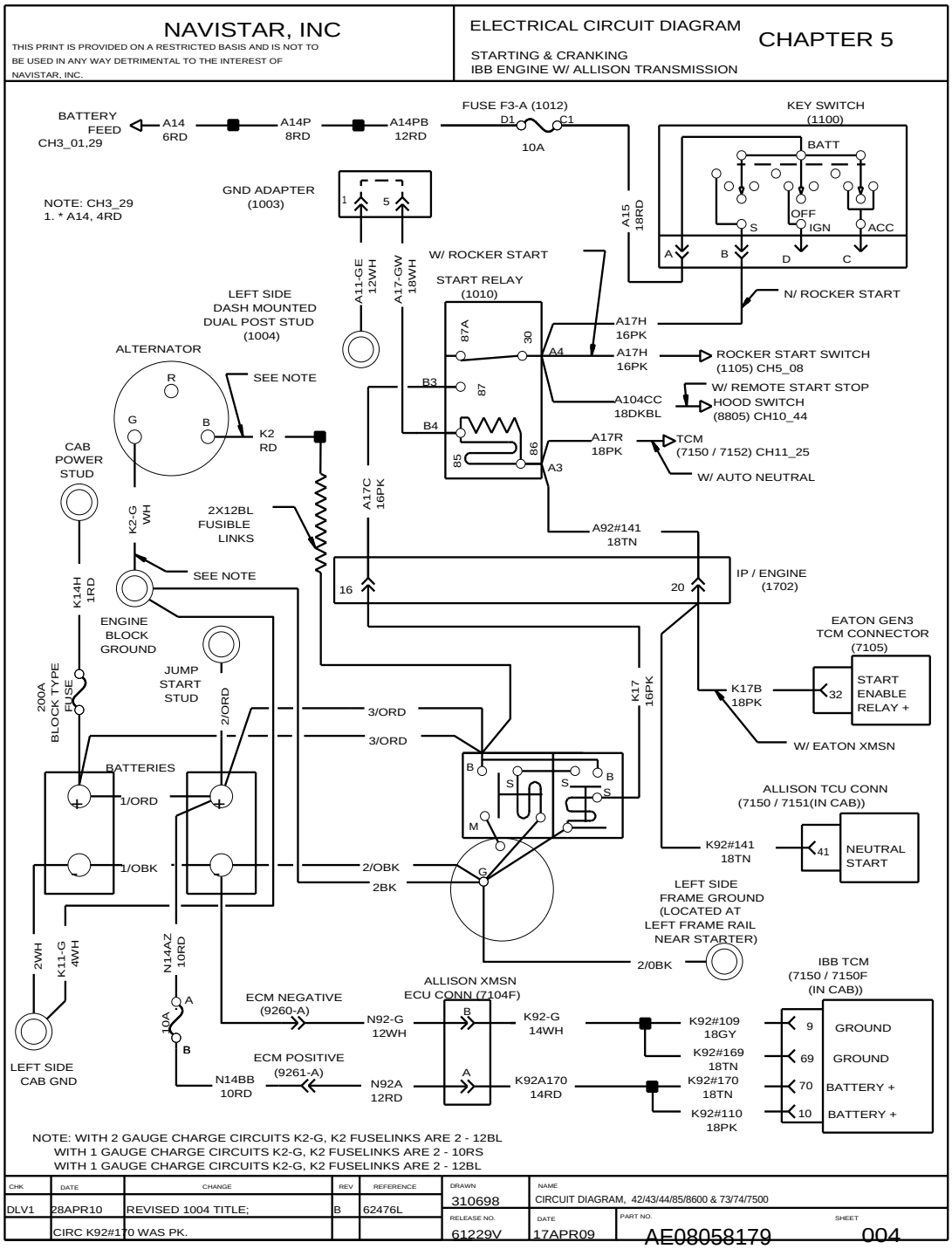


Figure 87 IBB Engines with Allison Transmission

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

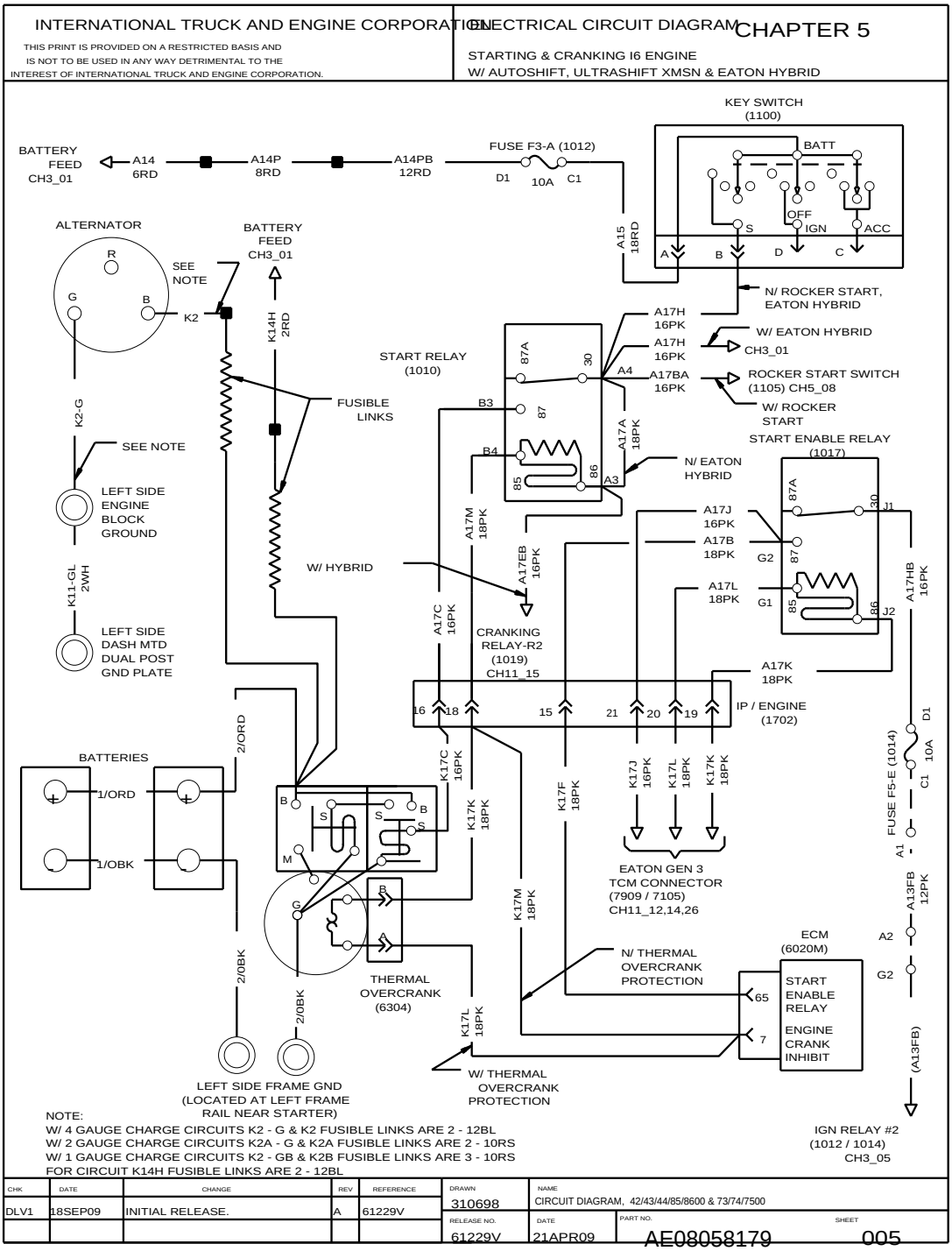


Figure 88 I6 Engine with Autoshift, Ultrashift, and Eaton Hybrid Transmission

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5.6. IBB ENGINES WITH AUTOSHIFT AND ULTRASHIFT TRANSMISSION, P. 6

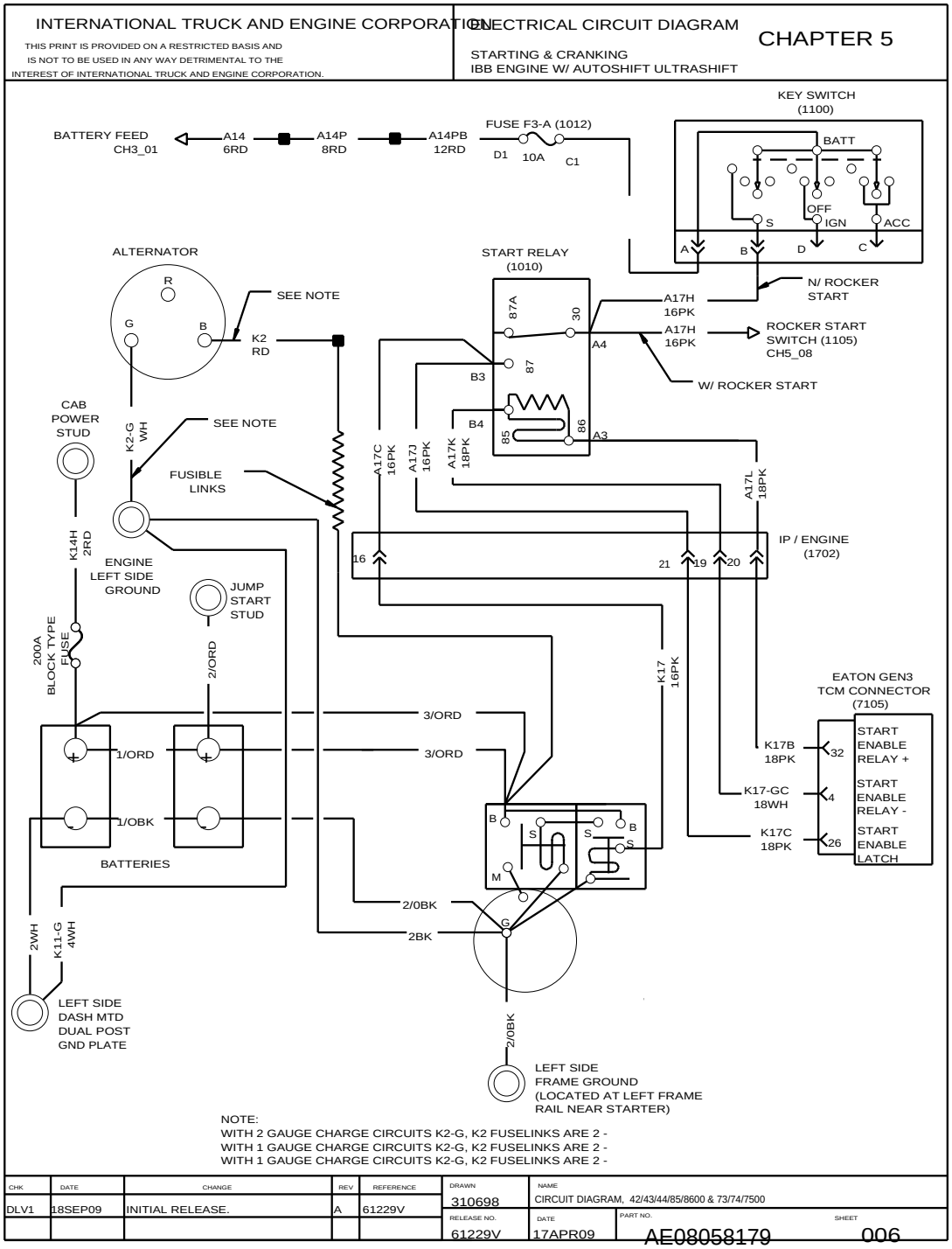


Figure 89 IBB Engines with Autoshift and Ultrashift Transmission

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5.7. I6 POWER PACK, P. 7

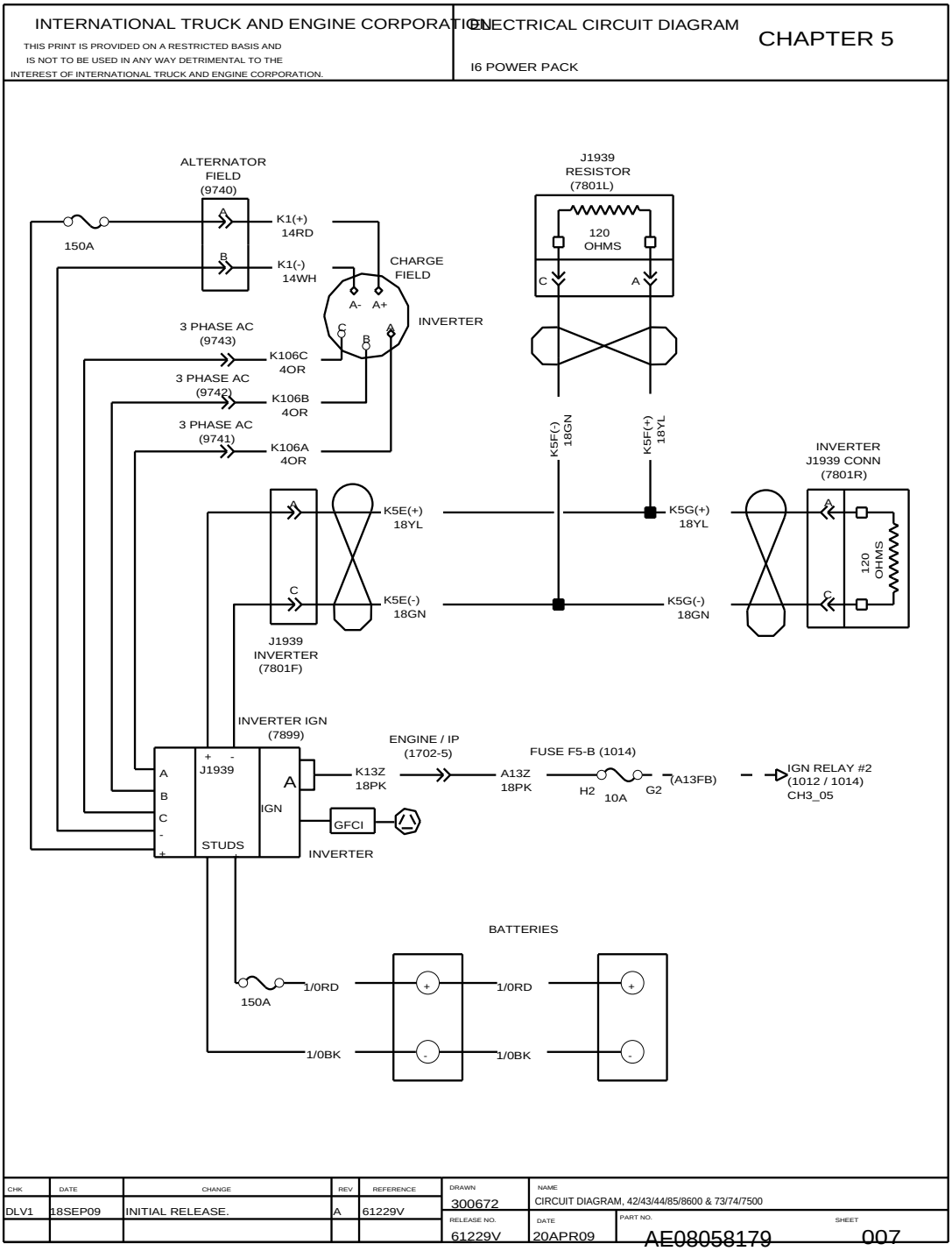


Figure 90 I6 Power Pack

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5.8. ROCKER START, P. 8

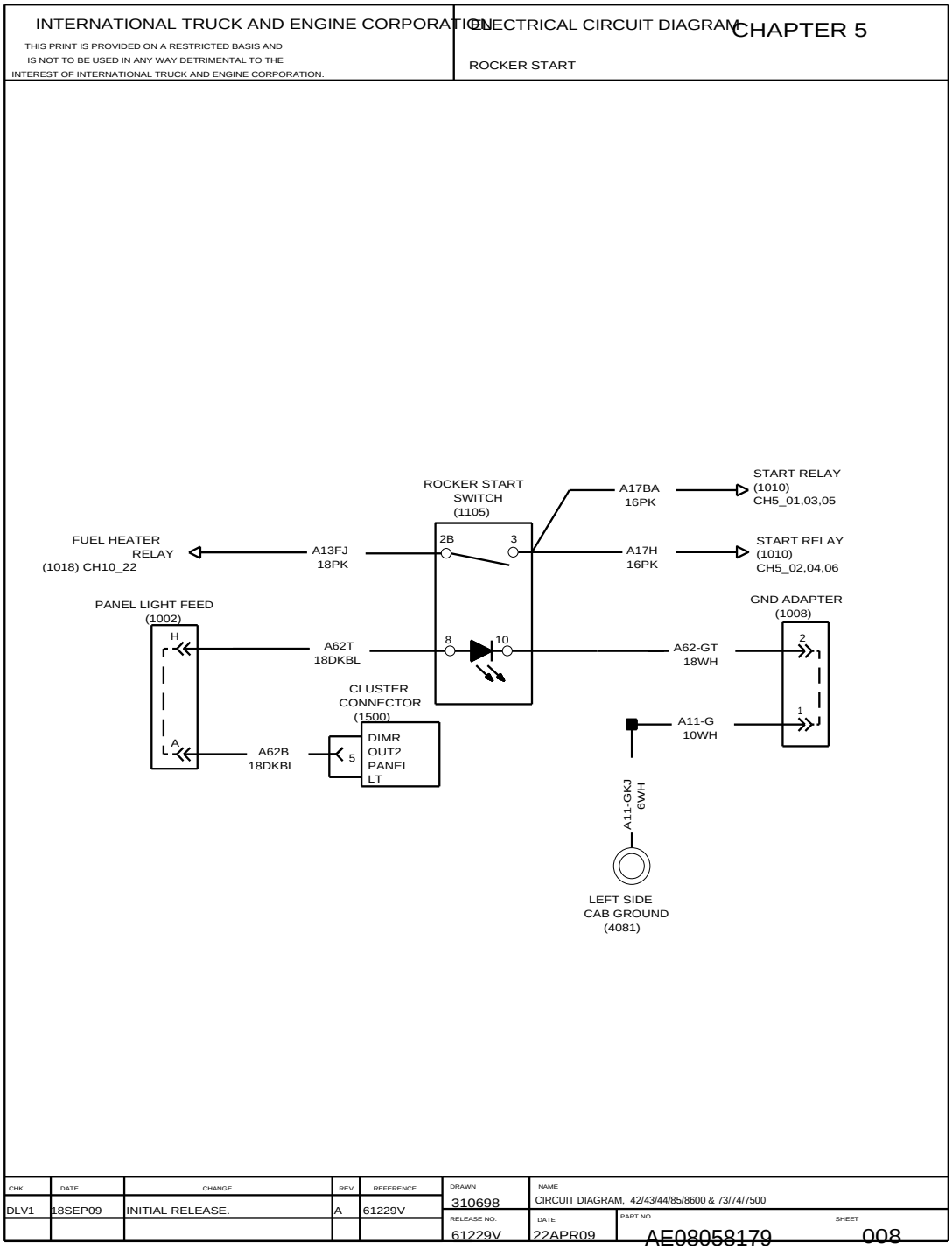


Figure 91 Rocker Start

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6. FANS AND ENGINE ACCESSORIES (CHAPTER 6)

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

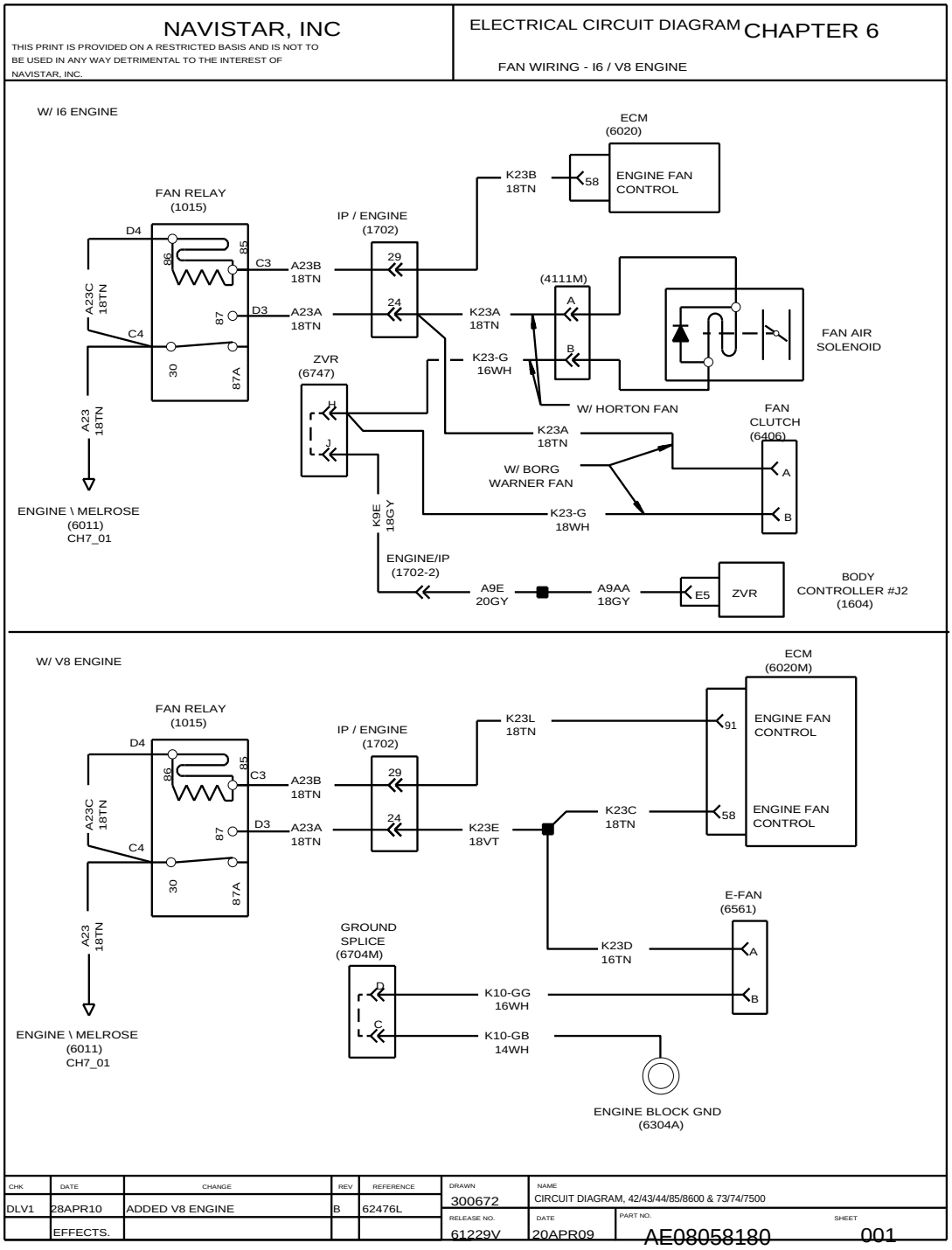


Figure 92 Fan Wiring, I6 / V8 Engines

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6.2. SNOWVALVE, P. 2

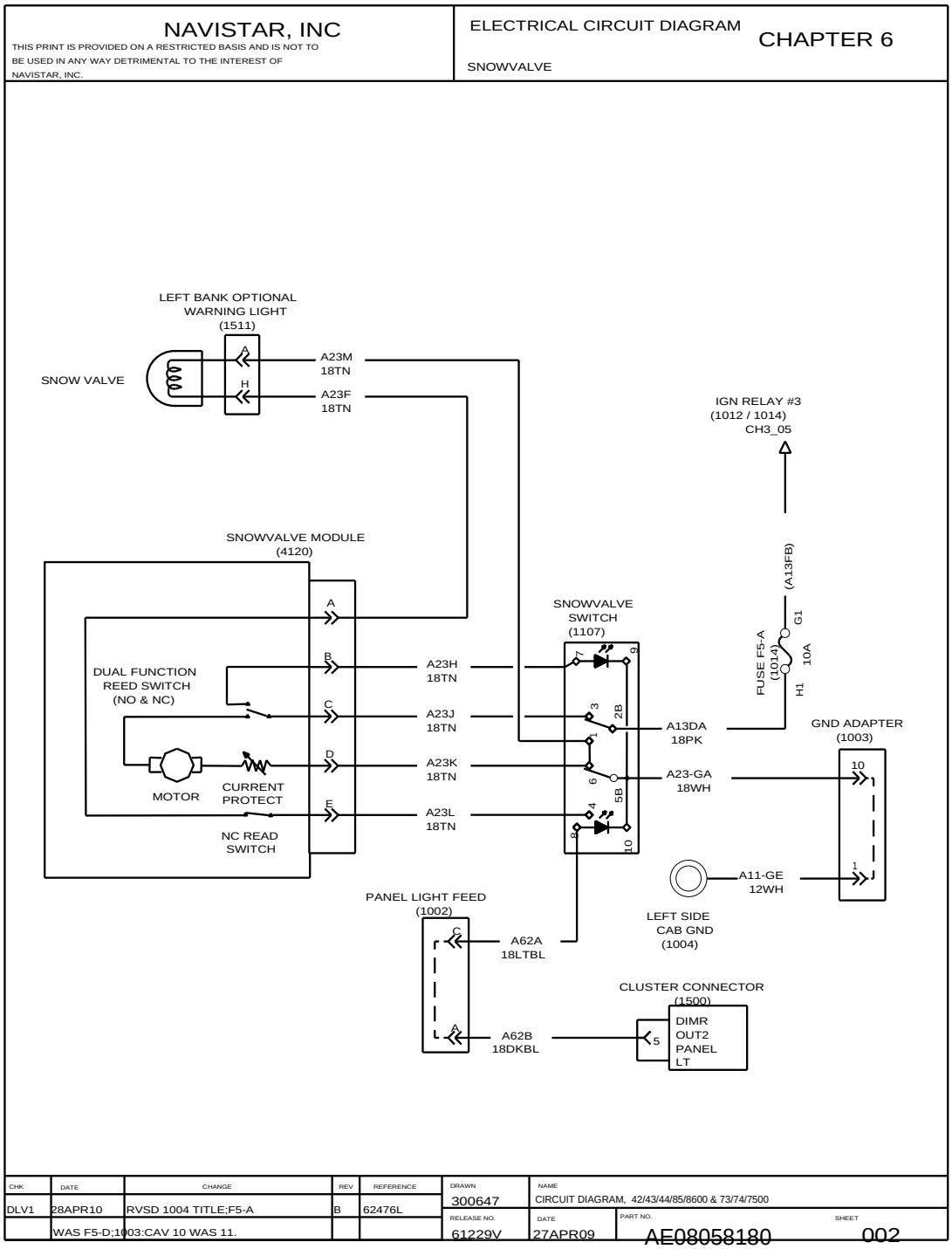


Figure 93 Snowvalve

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6.3. STARTING AID — COLD START ASSIST (IBB ENGINE), P. 3

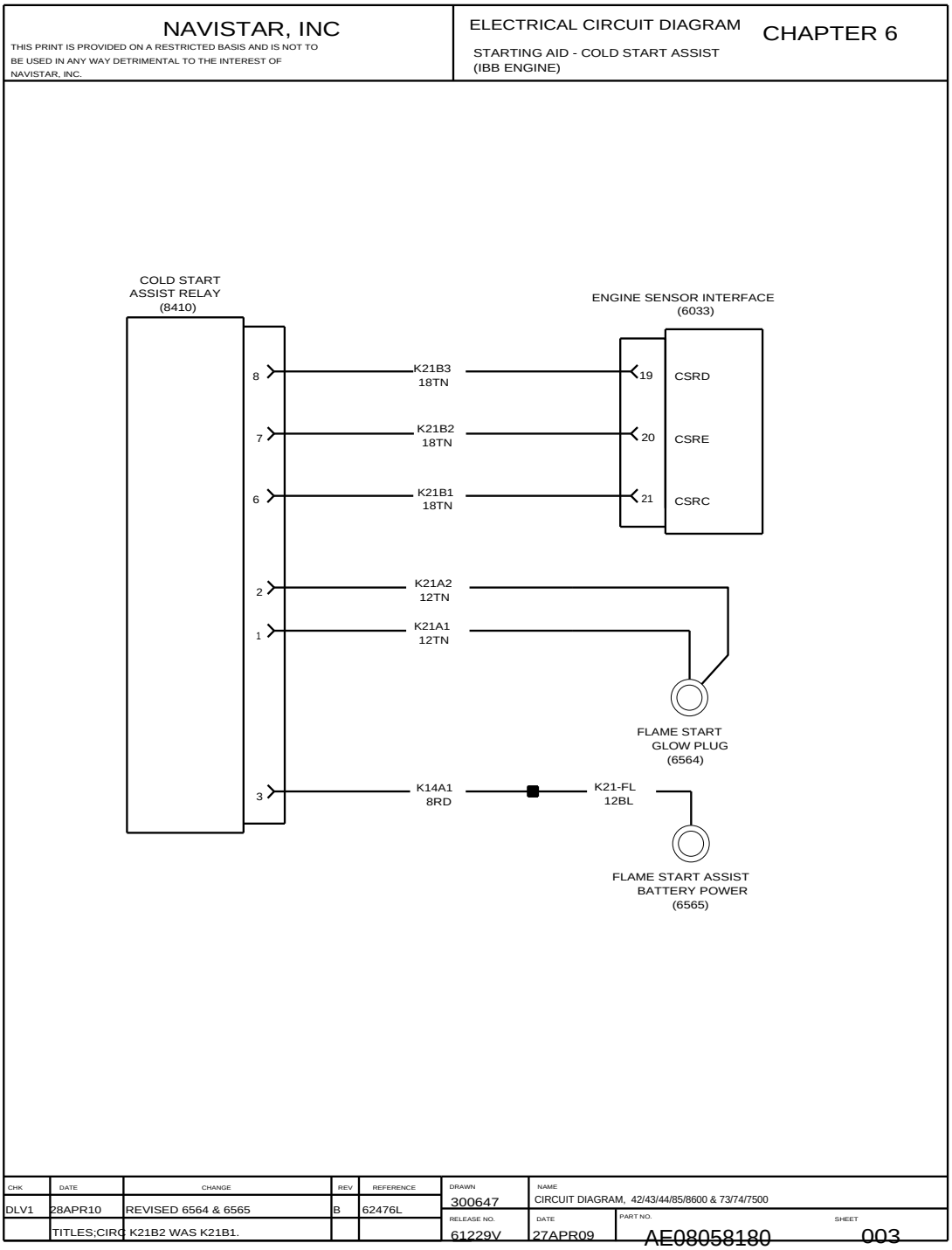


Figure 94 Starting Aid — Cold Start Assist (IBB Engine)

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6.4. FAN WIRING — IBB ENGINE, P. 4

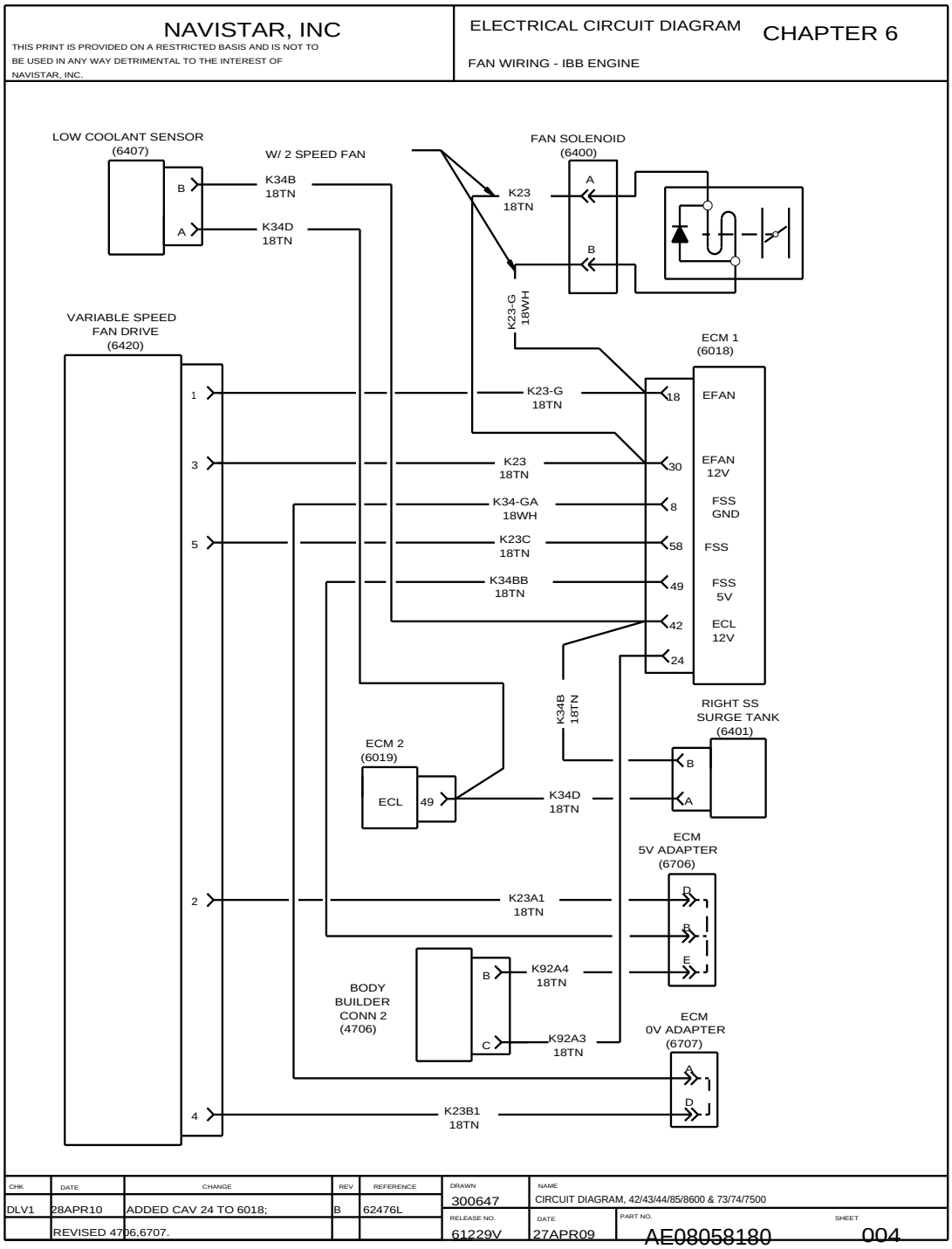


Figure 95 Fan Wiring — IBB Engine

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6.5. ELECTRIC AIR COMPRESSOR WITH MD, P. 5

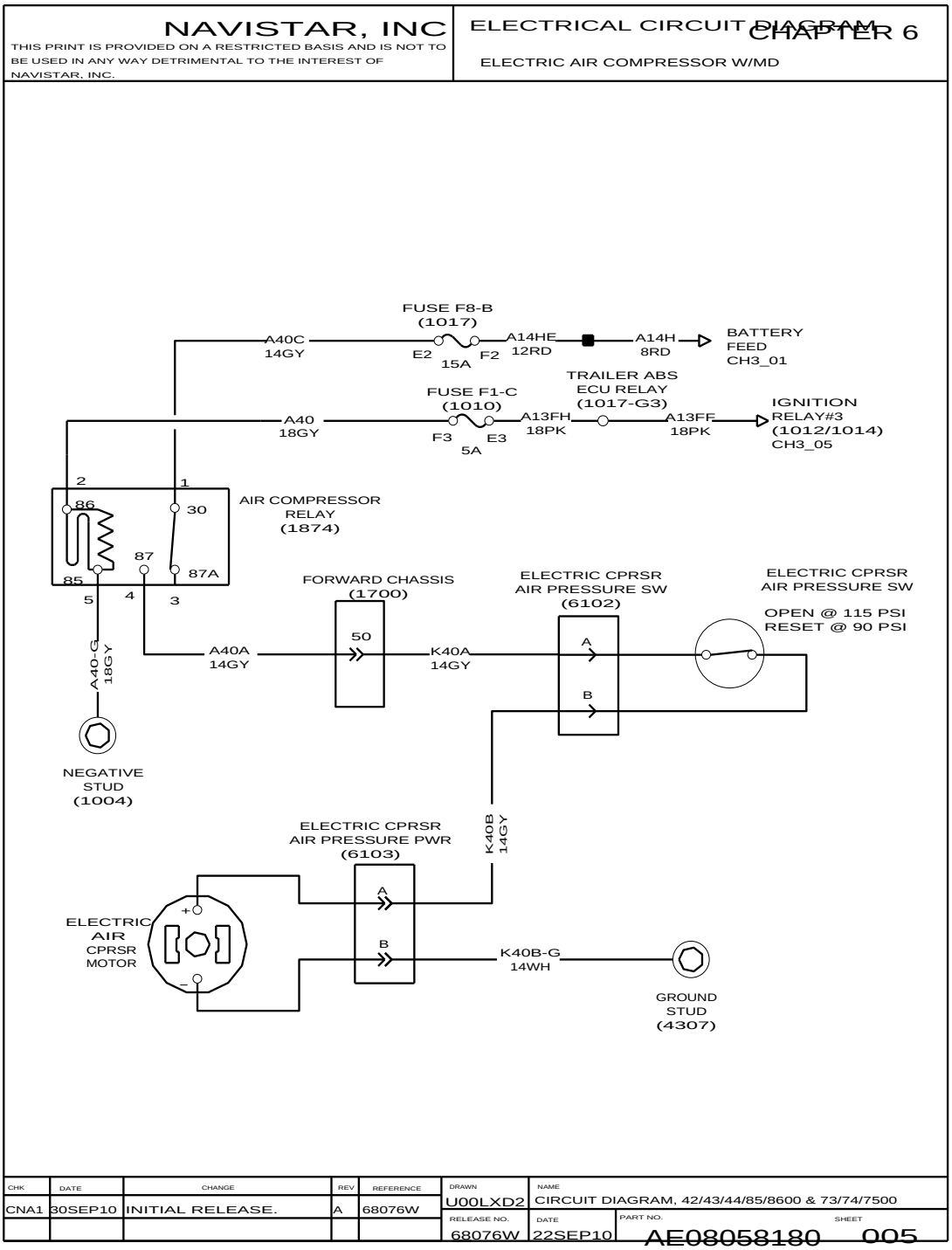


Figure 96 Electric Air Compressor with MD

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7. ELECTRONIC ENGINES (CHAPTER 7)

7.1. ELECTRONIC ENGINE CONTROLS, I6 ENGINES, P. 1

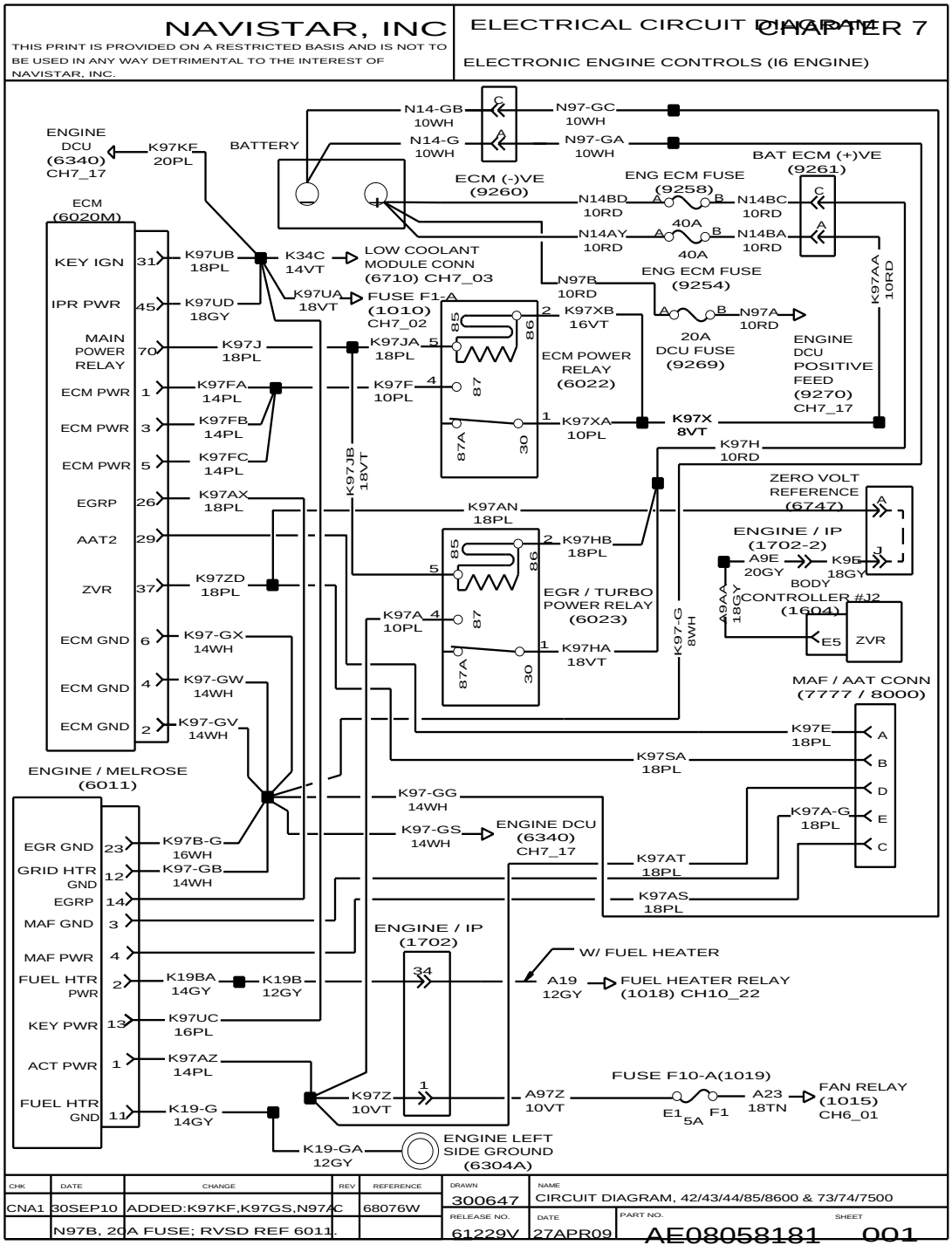


Figure 97 Electronic Engine Controls, I6 Engines

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7.2. ELECTRONIC ENGINE CONTROLS, I6 ENGINES, P. 2

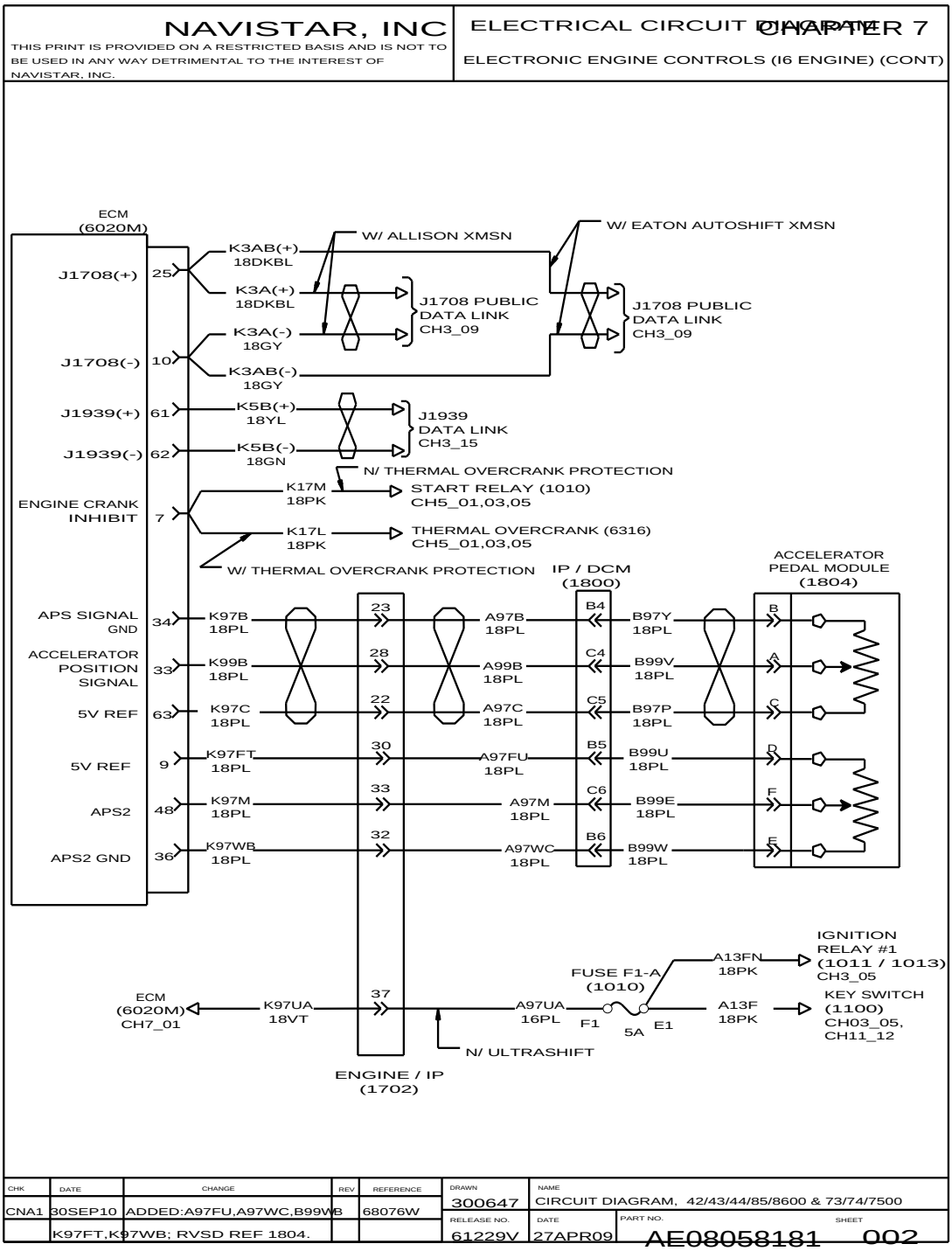


Figure 98 Electronic Engine Controls, I6 Engines (Cont.)

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7.3. ELECTRONIC ENGINE CONTROLS, I6 ENGINES, P. 3

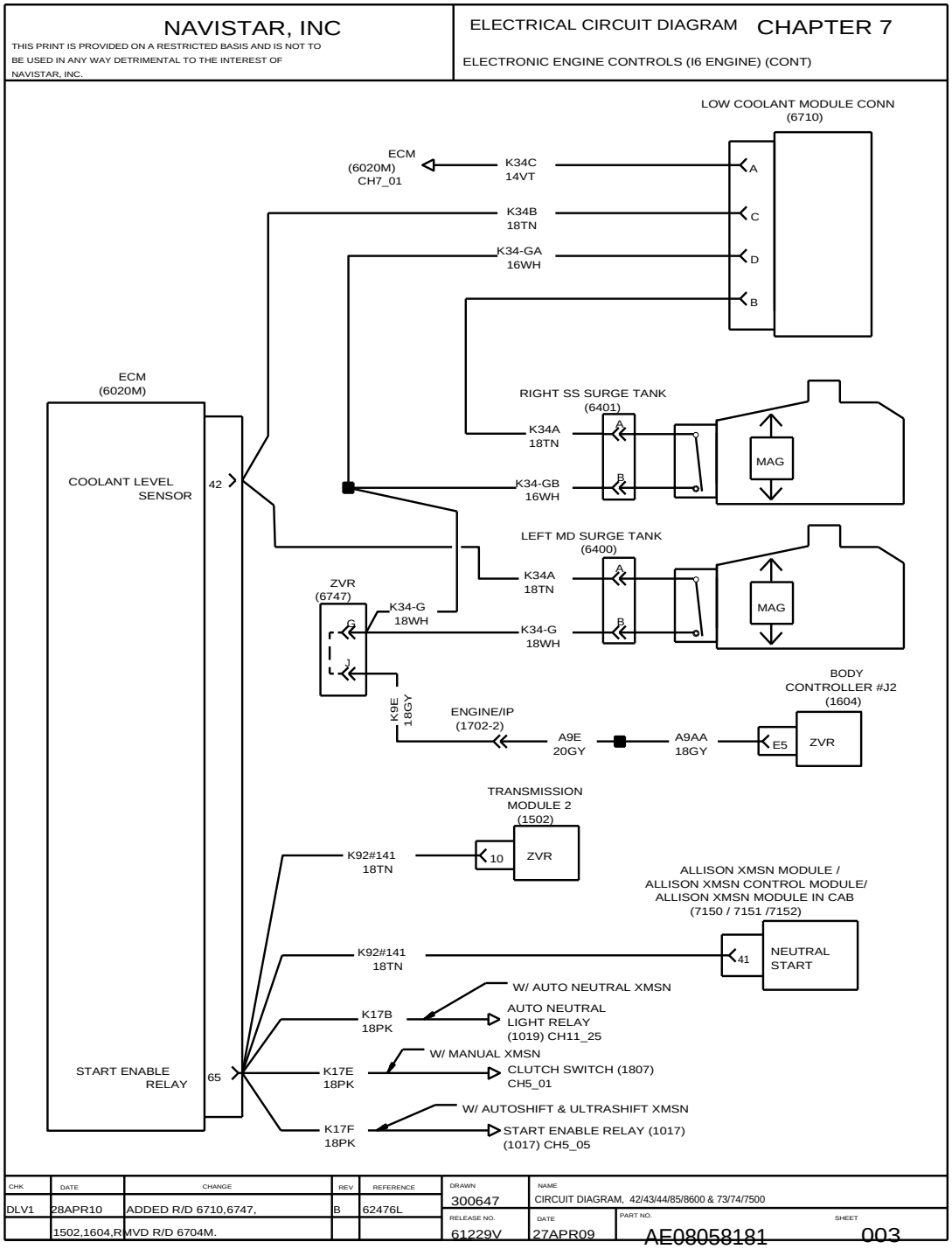


Figure 99 Electronic Engine Controls, I6 Engines (Cont.)

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7.4. ELECTRONIC ENGINE CONTROLS, I6 ENGINES, P. 4

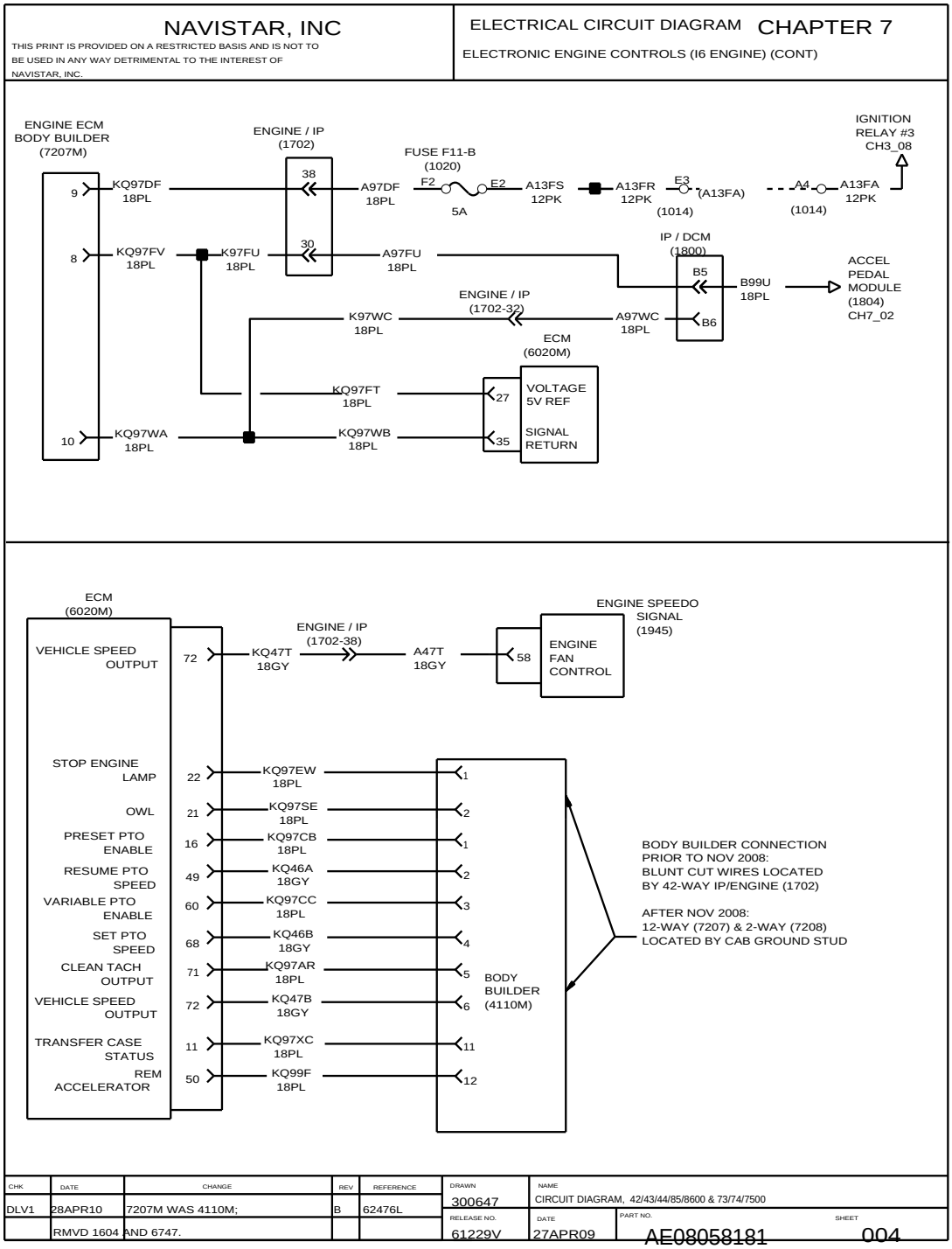


Figure 100 Electronic Engine Controls, I6 Engines (Cont.)

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7.5. ELECTRONIC ENGINE CONTROLS, I6 ENGINES, P. 5

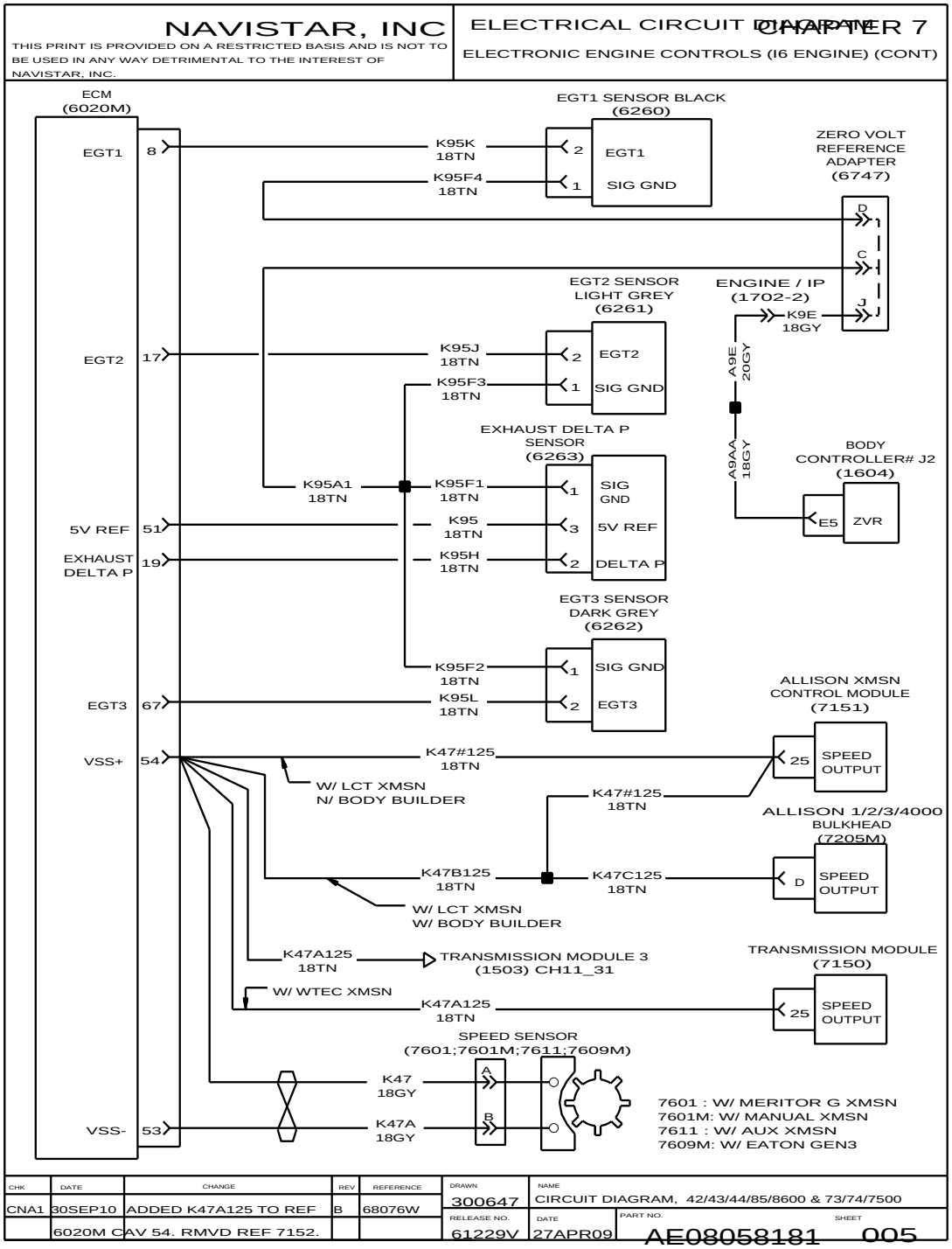


Figure 101 Electronic Engine Controls, I6 Engines (Cont.)

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7.6. CRUISE CONTROL, P. 6

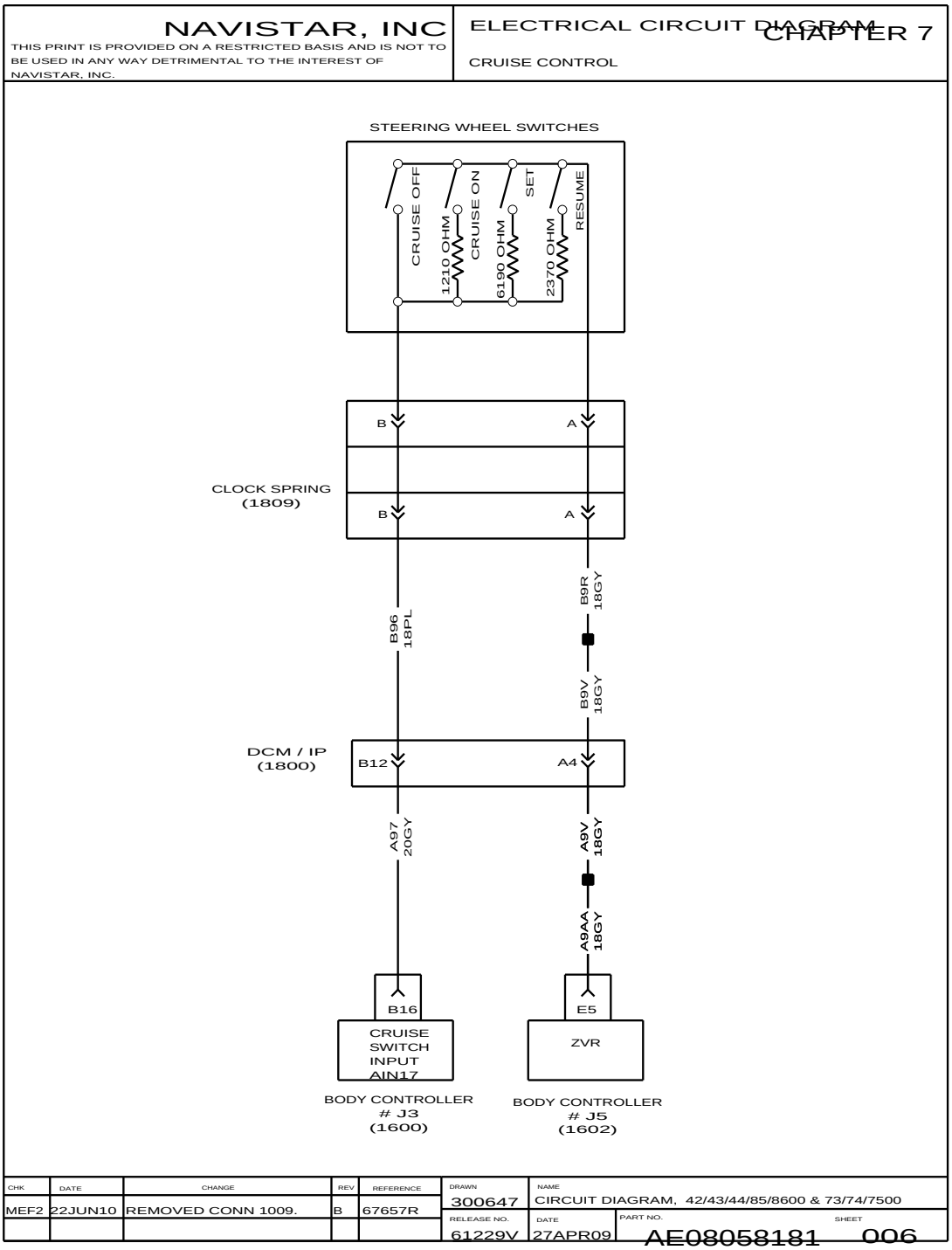


Figure 102 Cruise Control

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

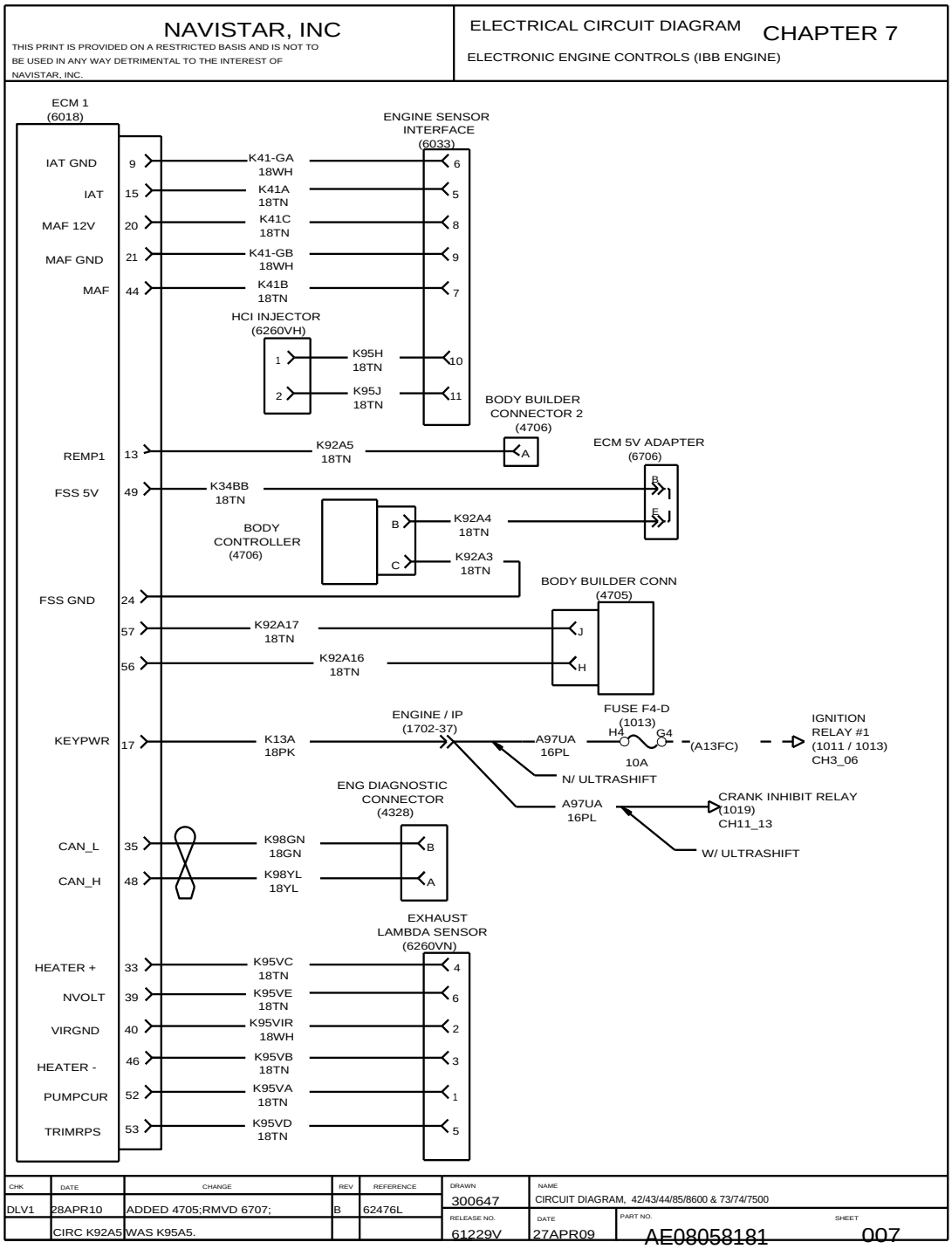


Figure 103 Electronic Engine Controls, IBB Engines

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

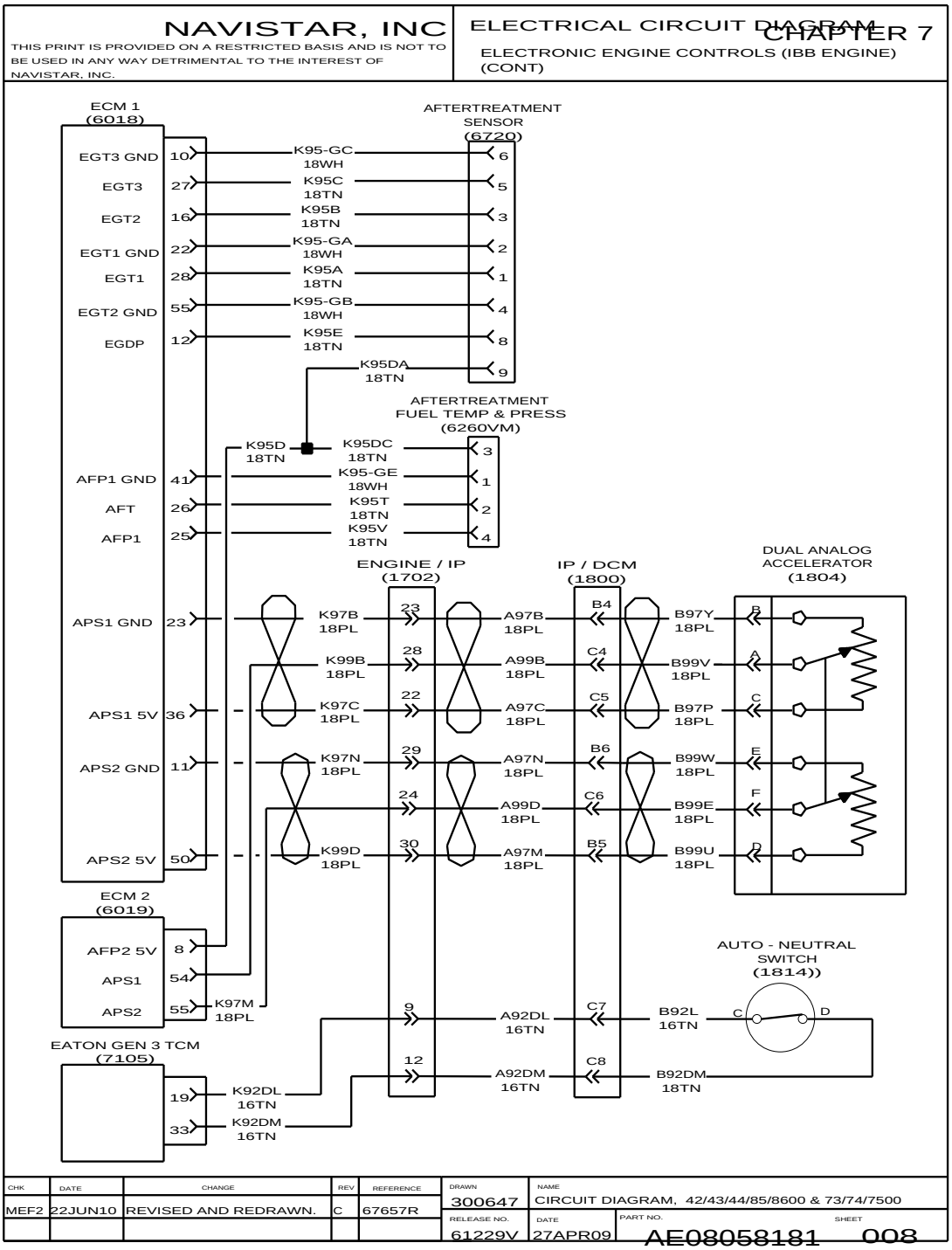


Figure 104 Electronic Engine Controls, IBB Engines (Cont.)

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

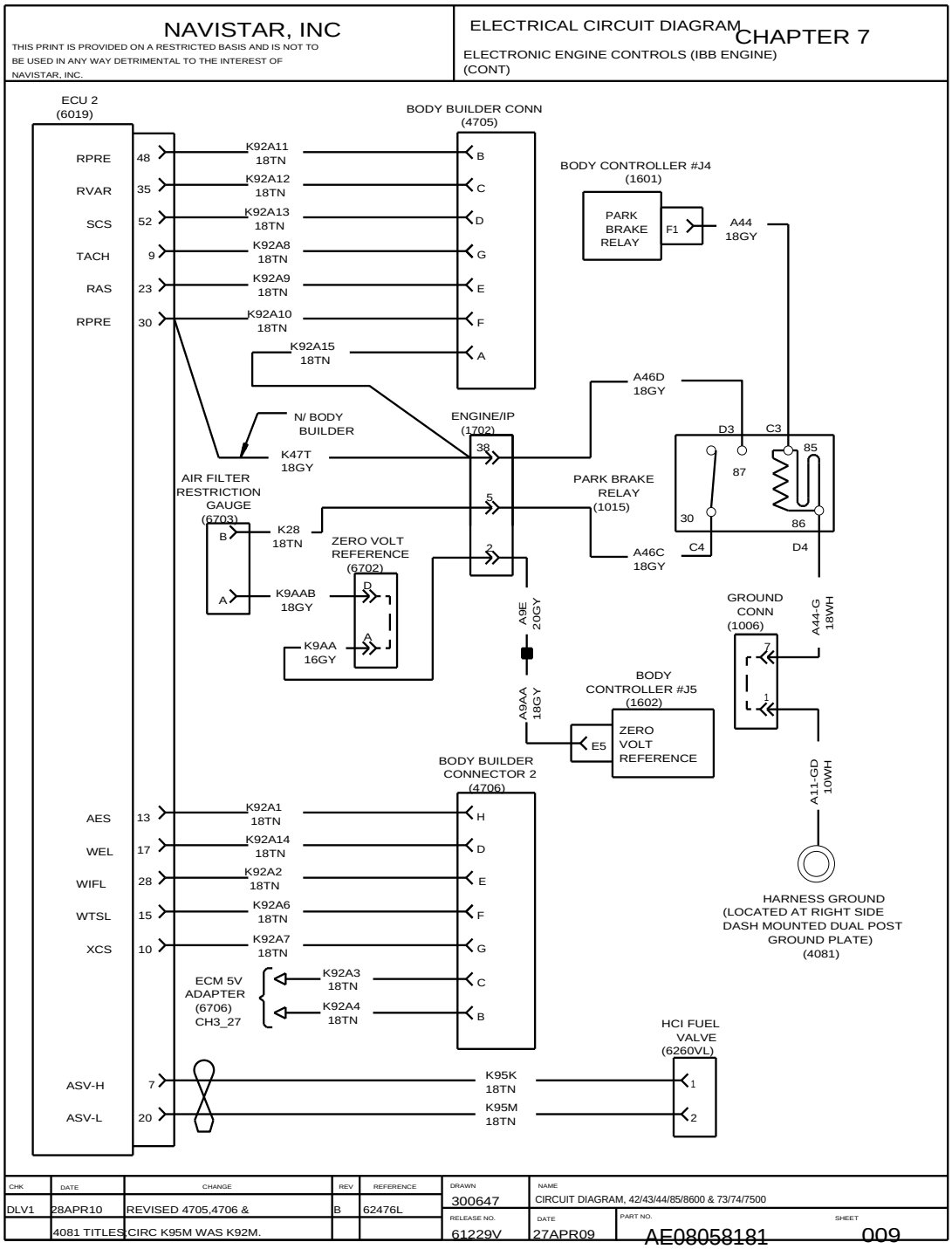


Figure 105 Electronic Engine Controls, IBB Engines (Cont.)

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

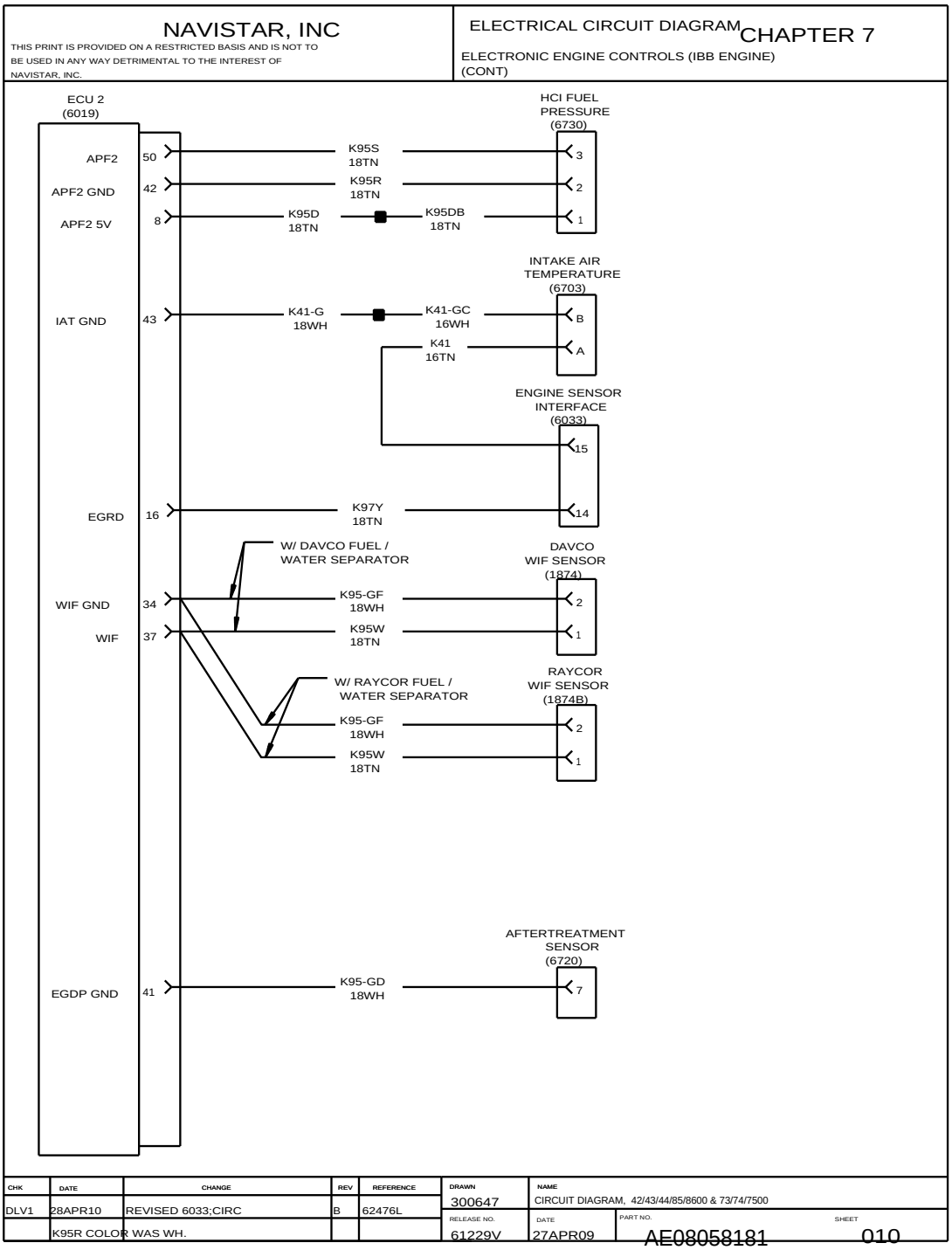


Figure 106 Electronic Engine Controls, IBB Engines (Cont.)

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

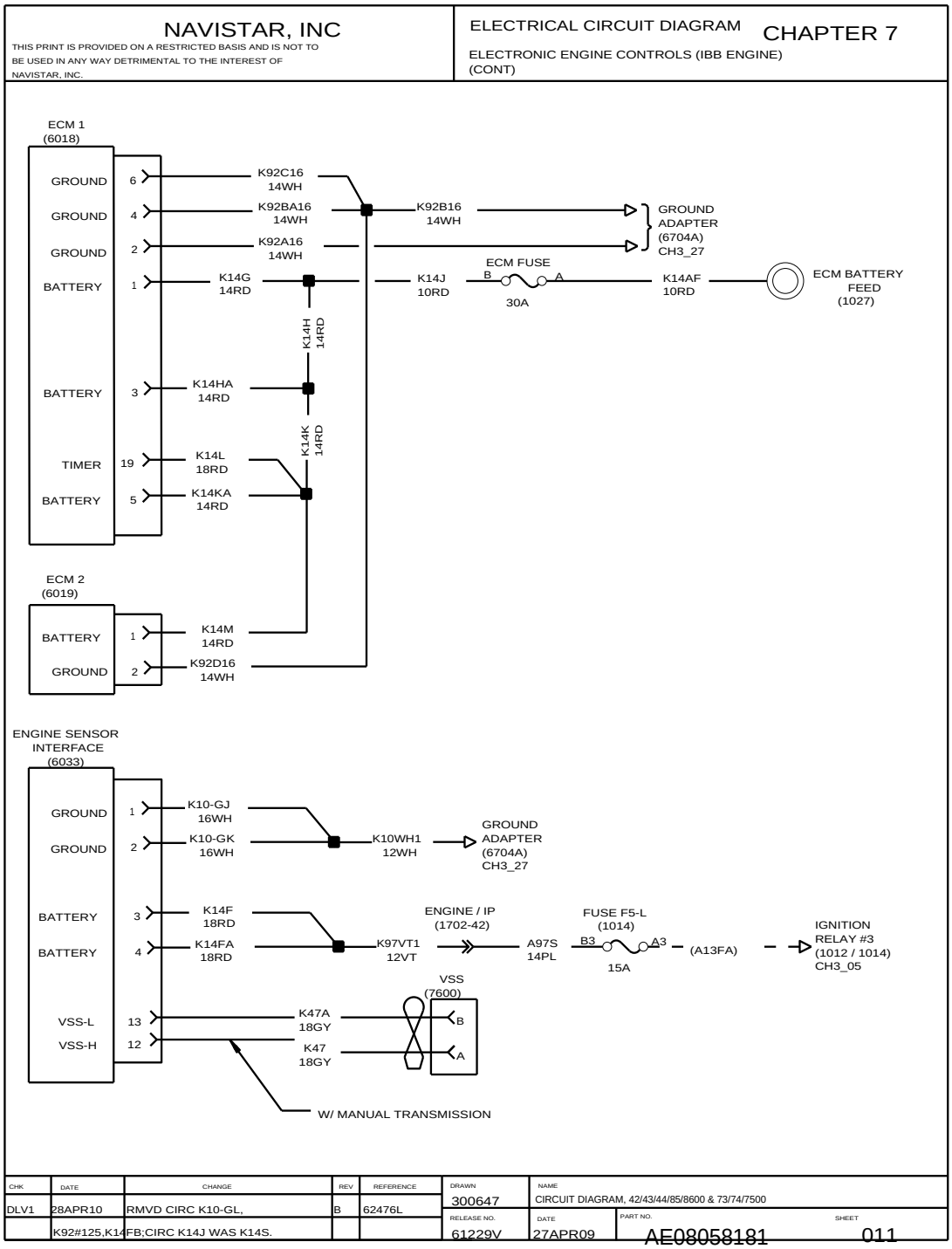


Figure 107 Electronic Engine Controls, IBB Engines (Cont.)

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

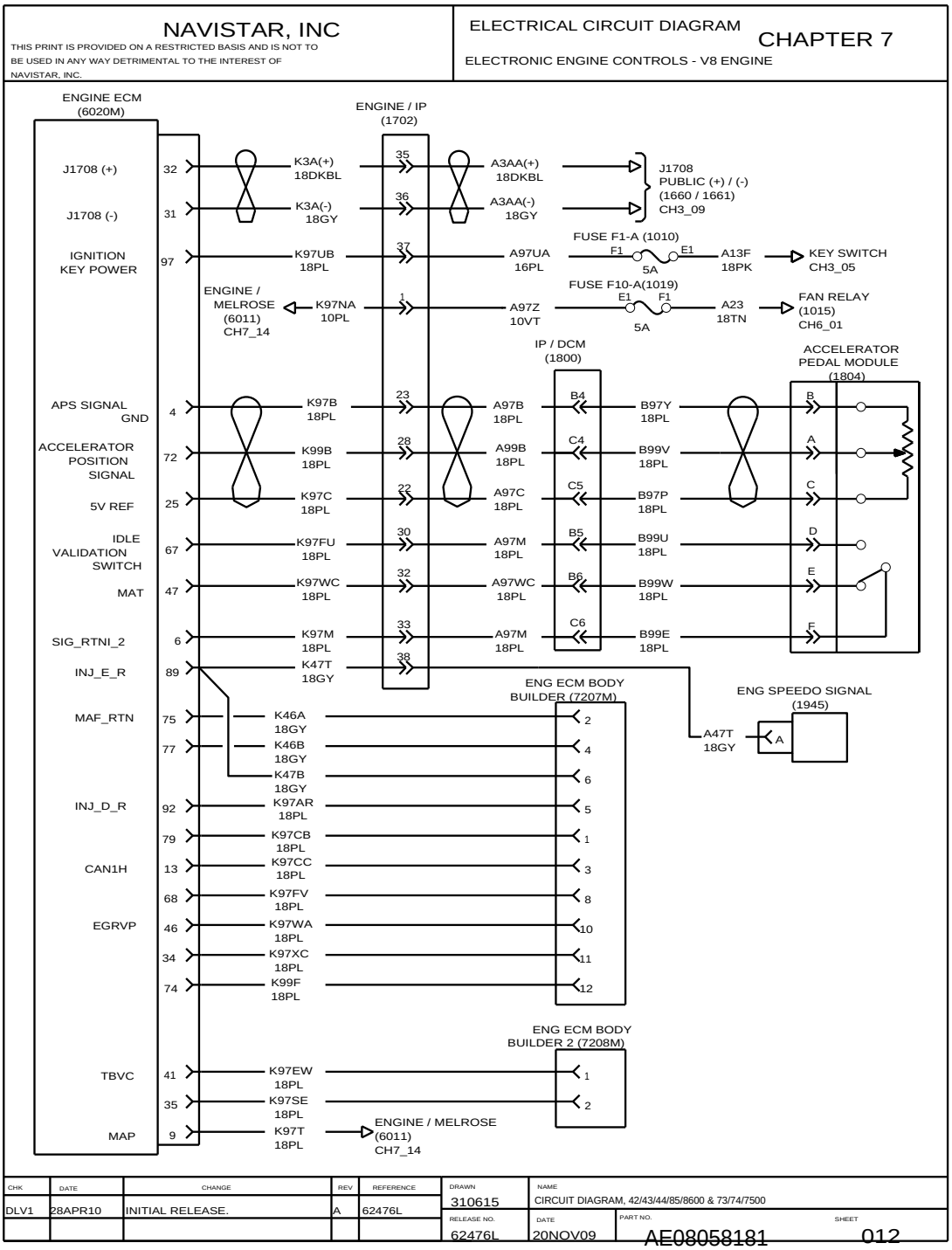


Figure 108 Electronic Engine Controls, V8 Engines

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

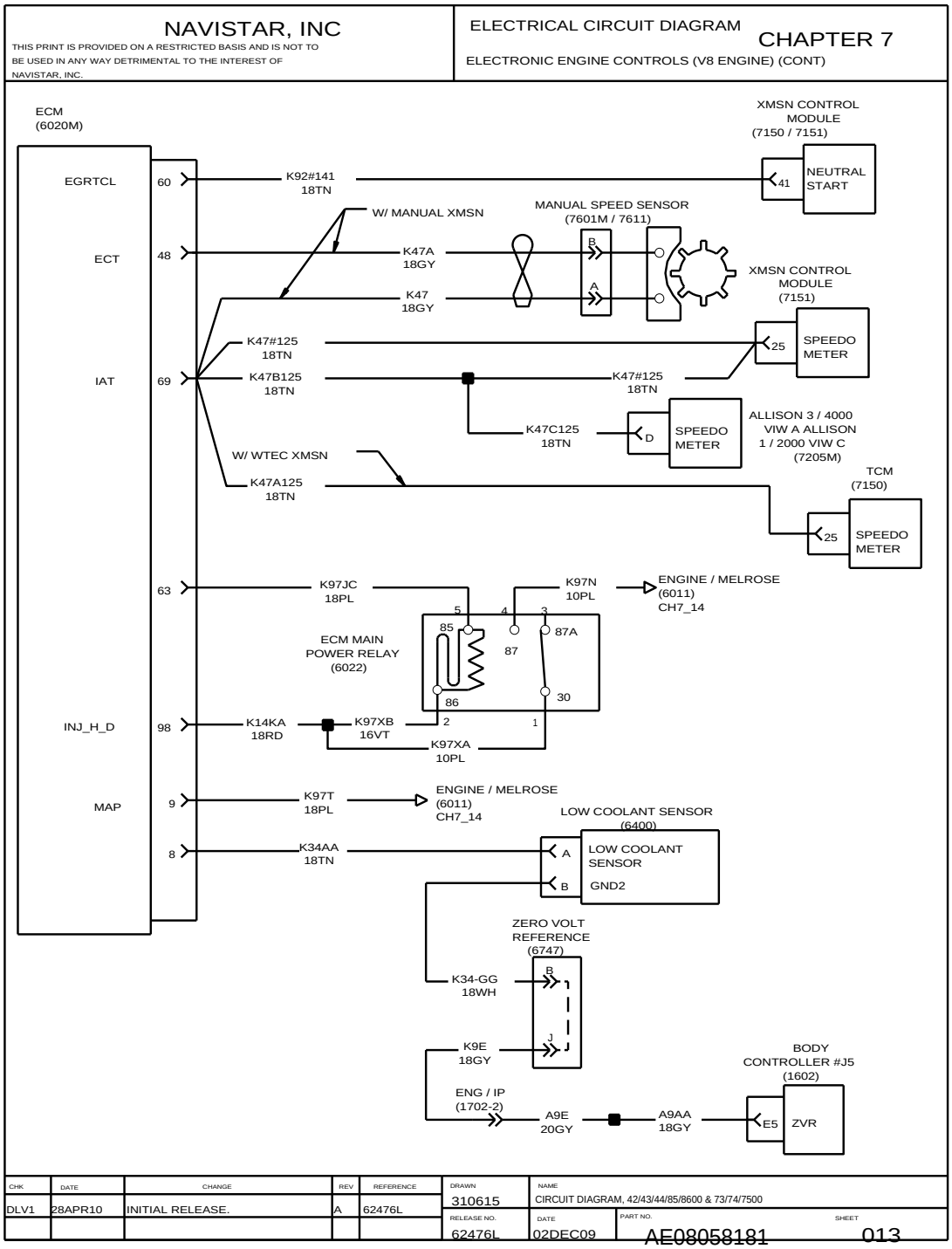


Figure 109 Electronic Engine Controls, V8 Engines

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

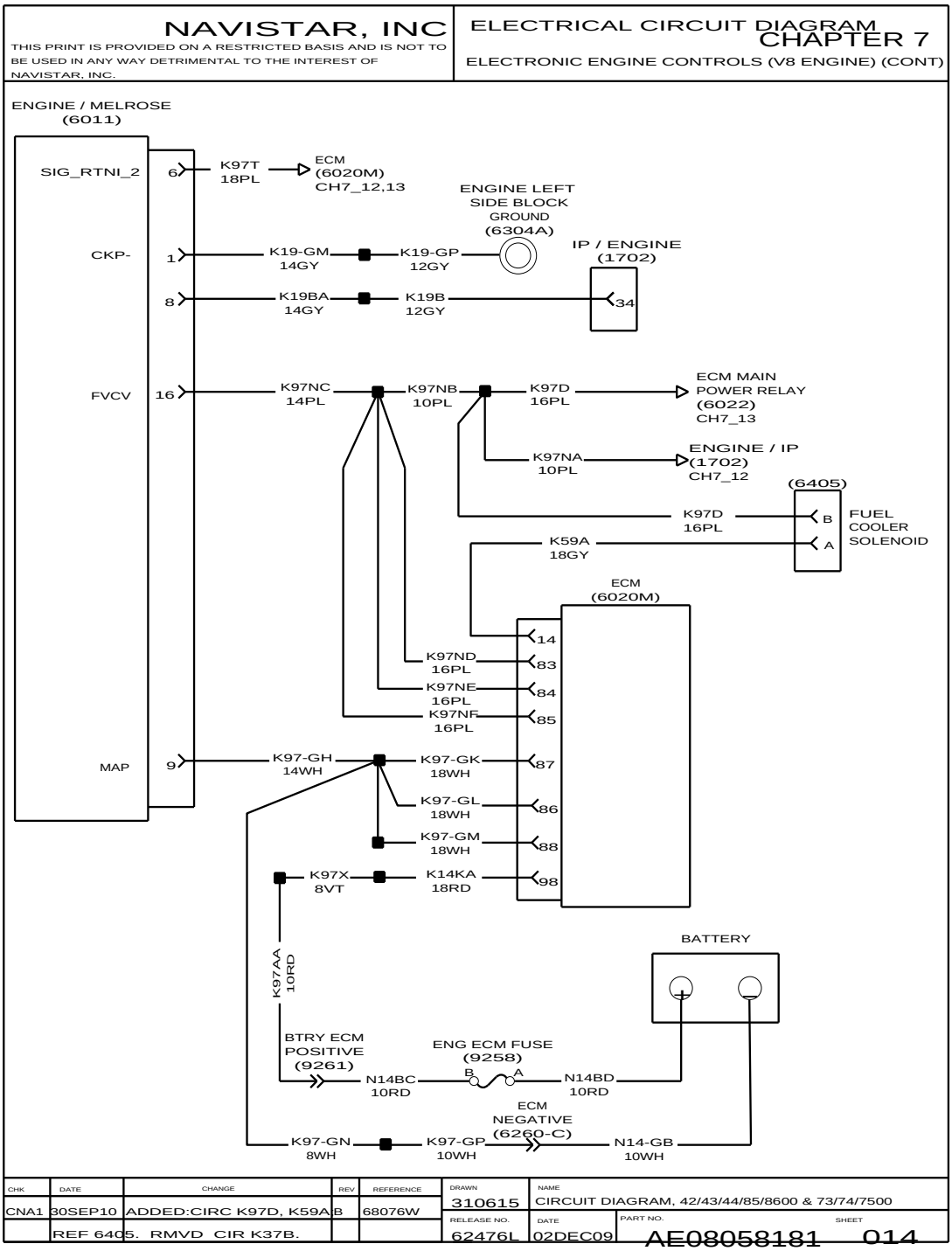


Figure 110 Electronic Engine Controls, V8 Engines

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7.15. ELECTRONIC ENGINE CONTROLS, V8 ENGINES, P. 15

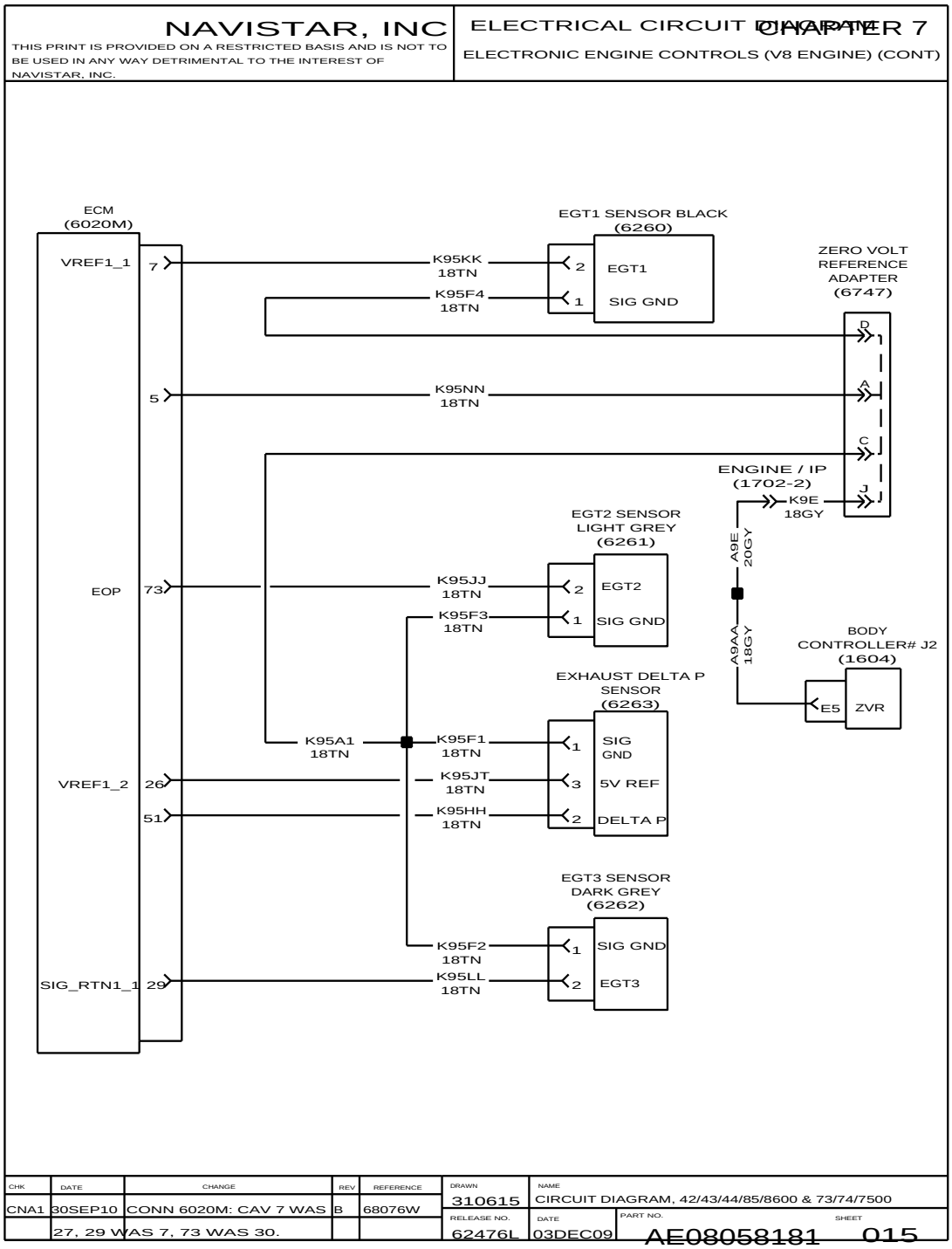


Figure 111 Electronic Engine Controls, V8 Engines

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7.16. ENGINE ECM POWER — V8 ENGINE, P. 16

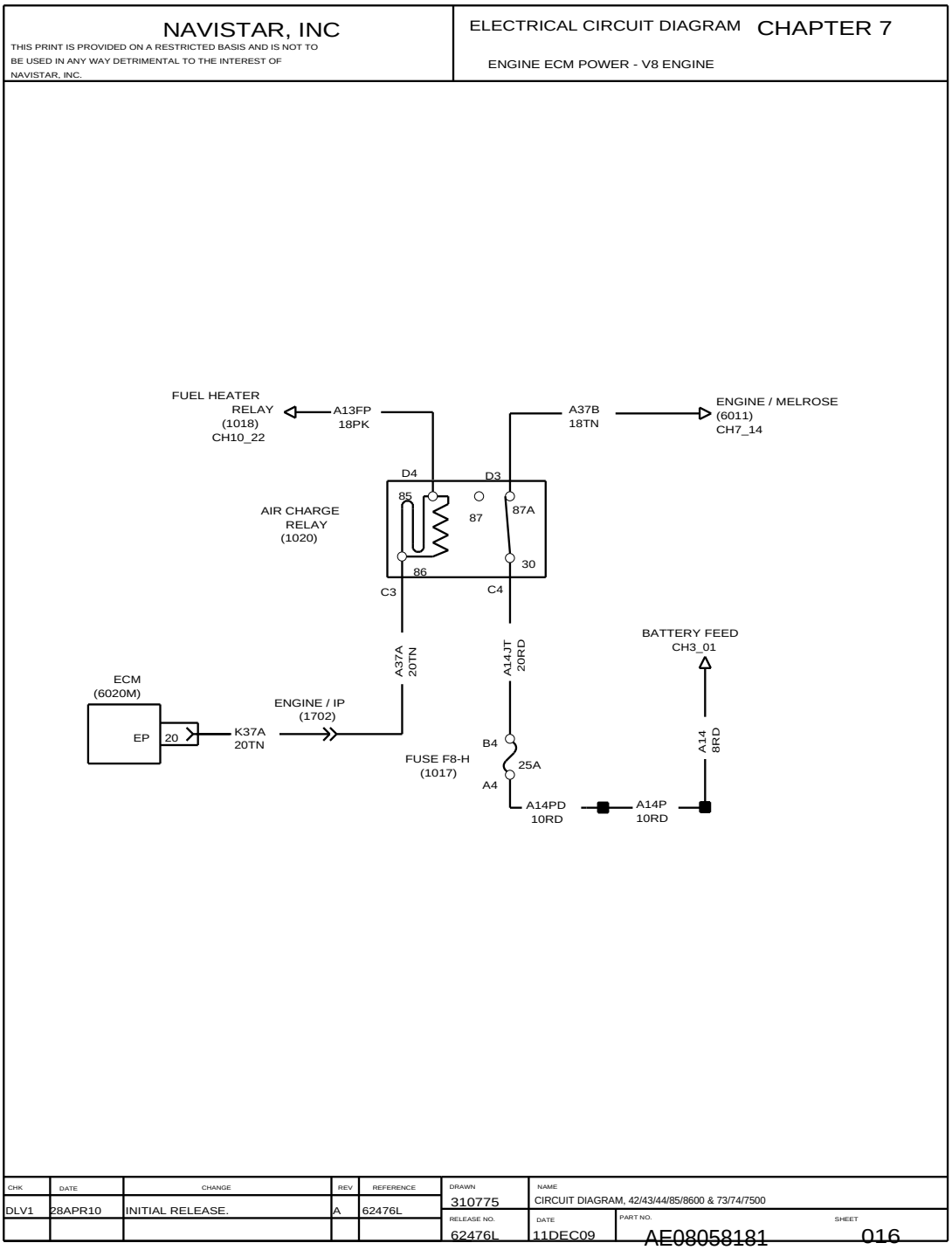


Figure 112 Engine ECM Power — V8 Engine

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7.17. ELECTRONIC ENGINE CONTROLS — I6 ENGINE, P. 17

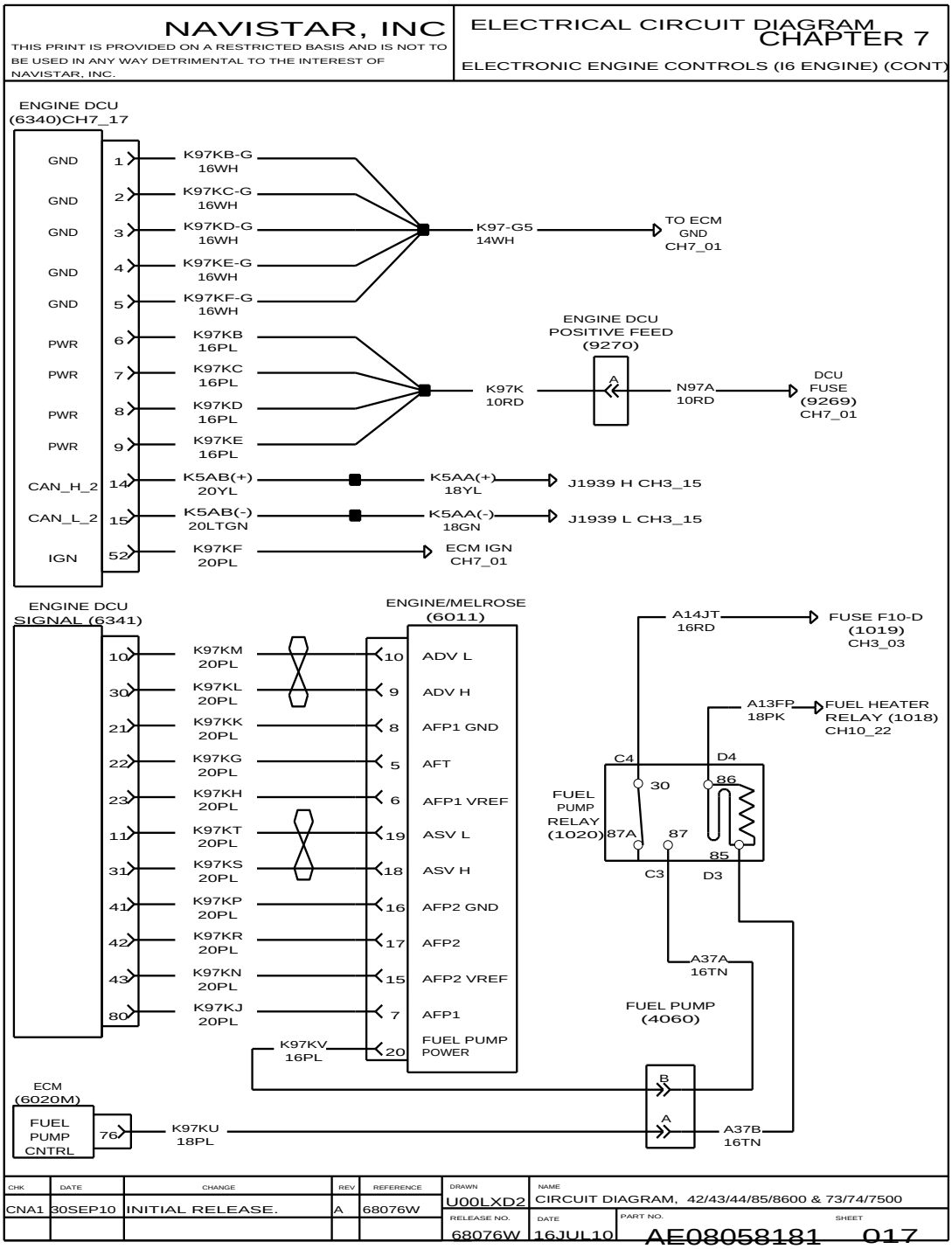


Figure 113 Electronic Engine Controls — I6 Engine

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

8.1. IP/GAUGES, P. 1

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ELECTRICAL CIRCUIT DIAGRAM

CHAPTER 8

IP / GAUGES

INSTRUMENT PANEL GAUGES

GAUGE	WARN LIGHT	SIGNAL PATH	SENSOR LOCATION
RPM (TACH)	NO	ENGINE CTRLR / DRIVE TRAIN J1939 / CLUSTER	ENGINE
MPH/KPH (SPD)	NO	ENGINE CTRLR / DRIVE TRAIN J1939 / CLUSTER	TRANSMISSION
FUEL	YES	SYSTEM CTRLR / DRIVE TRAIN J1939 / CLUSTER	FUEL TANK
VOLT	YES	SYSTEM CTRLR / DRIVE TRAIN J1939 / CLUSTER	-
AIR 1 (PRES)	YES	SYSTEM CTRLR / DRIVE TRAIN J1939 / CLUSTER	INSIDE CAB-DASH PNL
AIR 2 (PRES)	YES	SYSTEM CTRLR / DRIVE TRAIN J1939 / CLUSTER	STEERING COL AREA
WATER (TEMP)	YES	ENGINE CTRLR / DRIVE TRAIN J1939 / CLUSTER	ENGINE
ENG OIL (TEMP)	YES	ENGINE CTRLR / DRIVE TRAIN J1939 / CLUSTER	ENGINE
OIL (PRES)	YES	ENGINE CTRLR / DRIVE TRAIN J1939 / CLUSTER	ENGINE
TRANS (TEMP)	YES	SYSTEM CTRLR / DRIVE TRAIN J1939 / CLUSTER	TRANSMISSION
AIR APPLICATION	NO	SYSTEM CTRLR / DRIVE TRAIN J1939 / CLUSTER	FWD CHASSIS
REAR AXLE TEMP	YES	SYSTEM CTRLR / DRIVE TRAIN J1939 / CLUSTER	AXLE

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

CHK	DATE	CHANGE	REV.	REFERENCE
DLV1	18SEP09	INITIAL RELEASE.	A	61229V

DRAWN 300647

NAME CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500

RELEASE NO. 61229V

DATE 28APR09

PART NO. AE08058182

SHEET 001

Figure 114 IP/Gauges

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8.2. WARNING LIGHT LIST, P. 2

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ELECTRICAL CIRCUIT DIAGRAM CHAPTER 8

WARNING LIGHTS LIST

IP WARNING LIGHTS		
WARNING LIGHT TITLE	SIGNAL PATH	SENSOR LOCATION
RANGE INHIBITED	TRANS CTRLR / DRIVE TRAIN J1939 / CLUSTER	
FUEL FILTER	SYSTEM CTRLR / DRIVE TRAIN J1939 / CLUSTER	FUEL FILTER
ENGINE (YELLOW LED)	ENGINE CTRLR / DRIVE TRAIN J1939 / CLUSTER	
ENGINE (RED LED)	ENGINE CTRLR / DRIVE TRAIN J1939 / CLUSTER	
BRAKE PRESSURE (O)	SYSTEM CTRLR / DRIVE TRAIN J1939 / CLUSTER	SWITCH
BRAKE FLUID	SYSTEM CTRLR / DRIVE TRAIN J1939 / CLUSTER	BRK RESERVOIR
TRAC CTRL	TRUCK ABS CTRLR / DRIVE TRAIN J1939 / CLUSTER	
CHECK TRANS	TRANS CTRLR / DRIVE TRAIN J1939 / CLUSTER	
TRAILER ABS	TRLR ABS CTRLR / DRIVE TRAIN J1939 / CLUSTER	
WASHER FLUID	SYSTEM CTRLR / DRIVE TRAIN J1939 / CLUSTER	WASHER BOTTLE
(LEFT TURN)	SYSTEM CTRLR / DRIVE TRAIN J1939 / CLUSTER	TURN SIG SW
AIR BAG	DISCRETE NOT ON DATA BUS	
WATER IN FUEL	SYSTEM CTRLR / DRIVE TRAIN J1939 / CLUSTER	FUEL FILTER
COOLANT LEVEL	ENGINE CTRLR / DRIVE TRAIN J1939 / CLUSTER	SURGE TANK
CHECK ELECT SYS	SYSTEM CTRLR / DRIVE TRAIN J1939 / CLUSTER	
PARK (P)	SYSTEM CTRLR / DRIVE TRAIN J1939 / CLUSTER	SWITCH
CRUISE	SYSTEM CTRLR / DRIVE TRAIN J1939 / CLUSTER	
ABS	TRUCK CTRLR / DRIVE TRAIN J1939 / CLUSTER	
(RIGHT TURN)	SYSTEM CTRLR / DRIVE TRAIN J1939 / CLUSTER	
WAIT TO START	ENGINE CTRLR / DRIVE TRAIN J1939 / CLUSTER	
FASTEN BELTS	SYSTEM CTRLR / DRIVE TRAIN J1939 / CLUSTER	
(HIGH BEAM IND)	SYSTEM CTRLR / DRIVE TRAIN J1939 / CLUSTER	
COLD AMB PROT	SYSTEM CTRLR / DRIVE TRAIN J1939 / CLUSTER	
RETARD OVERHEAT	TRANS CTRLR / DRIVE TRAIN J1939 / CLUSTER	TRANSMISSION
CHECK AC	SYSTEM CTRLR / DRIVE TRAIN J1939 / CLUSTER	
AUTO NEUTRAL	DISCRETE NOT ON DATA BUS	SWITCH
ALTERNATOR	DISCRETE NOT ON DATA BUS	
PTO/THROTTLE	SYSTEM CTRLR / DRIVE TRAIN J1939 / CLUSTER	
OPTIMIZED IDLE	DISCRETE NOT ON DATA BUS	
SNOW VALVE	DISCRETE NOT ON DATA BUS	SNOW VALVE
FR AXLE DIFF LOCK	DISCRETE NOT ON DATA BUS	FWD RR AXLE
RR AXLE DIFF LOCK	DISCRETE NOT ON DATA BUS	RR RR AXLE
MESSAGE WAIT	DISCRETE NOT ON DATA BUS	
PTO	DISCRETE NOT ON DATA BUS	
CONVERTER TEMP	DISCRETE NOT ON DATA BUS	
TOUCH LOC RELEASE	DISCRETE NOT ON DATA BUS	
PARK FLUID	SYSTEM CTRLR/DRIVE TRAIN	
FR AXLE ENGAGED	DISCRETE NOT ON DATA BUS	TRANSFER CASE

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
DLV1	18SEP09	INITIAL RELEASE.	A	61229V	300647	CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
					RELEASE NO. 61229V	DATE 28APR09

PART NO. AE08058182 SHEET 002

Figure 115 Warning Light List

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

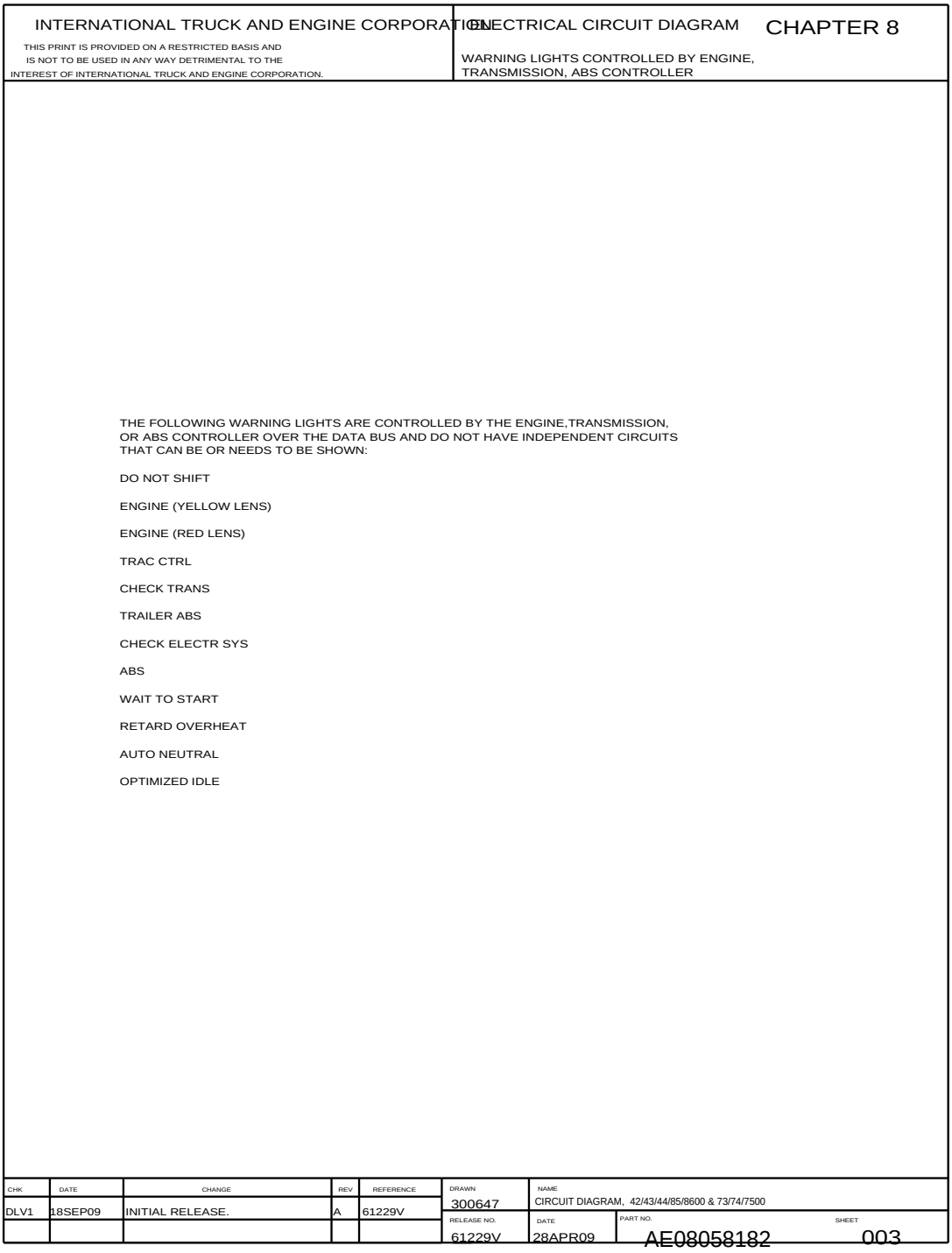


Figure 116 Warning Lights Controlled by Engine, Transmission, ABS Controller

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

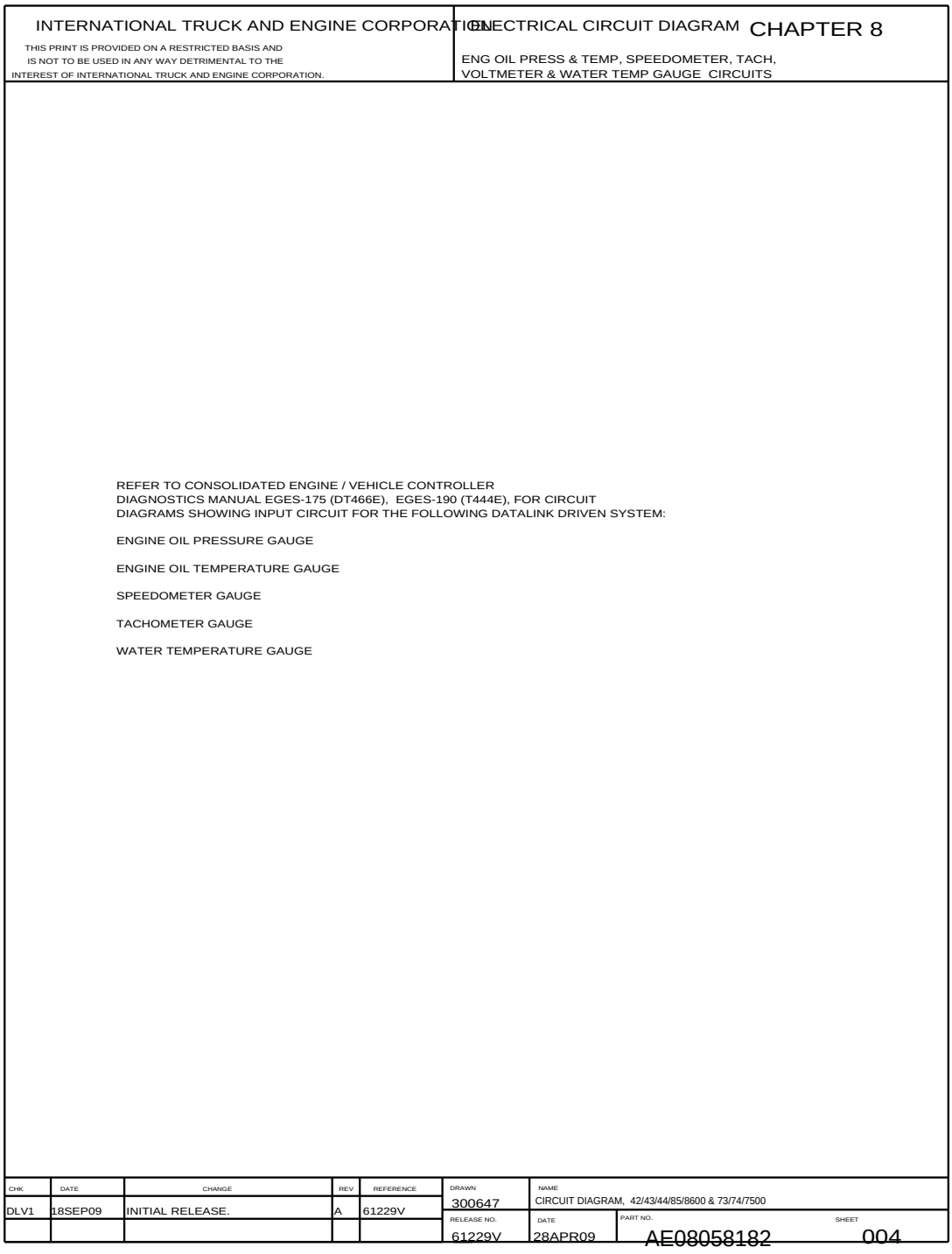


Figure 117 Engine Oil Pressure and Temp, Speedometer, Tachometer, Voltmeter and Water Temp Gauge Circuits

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

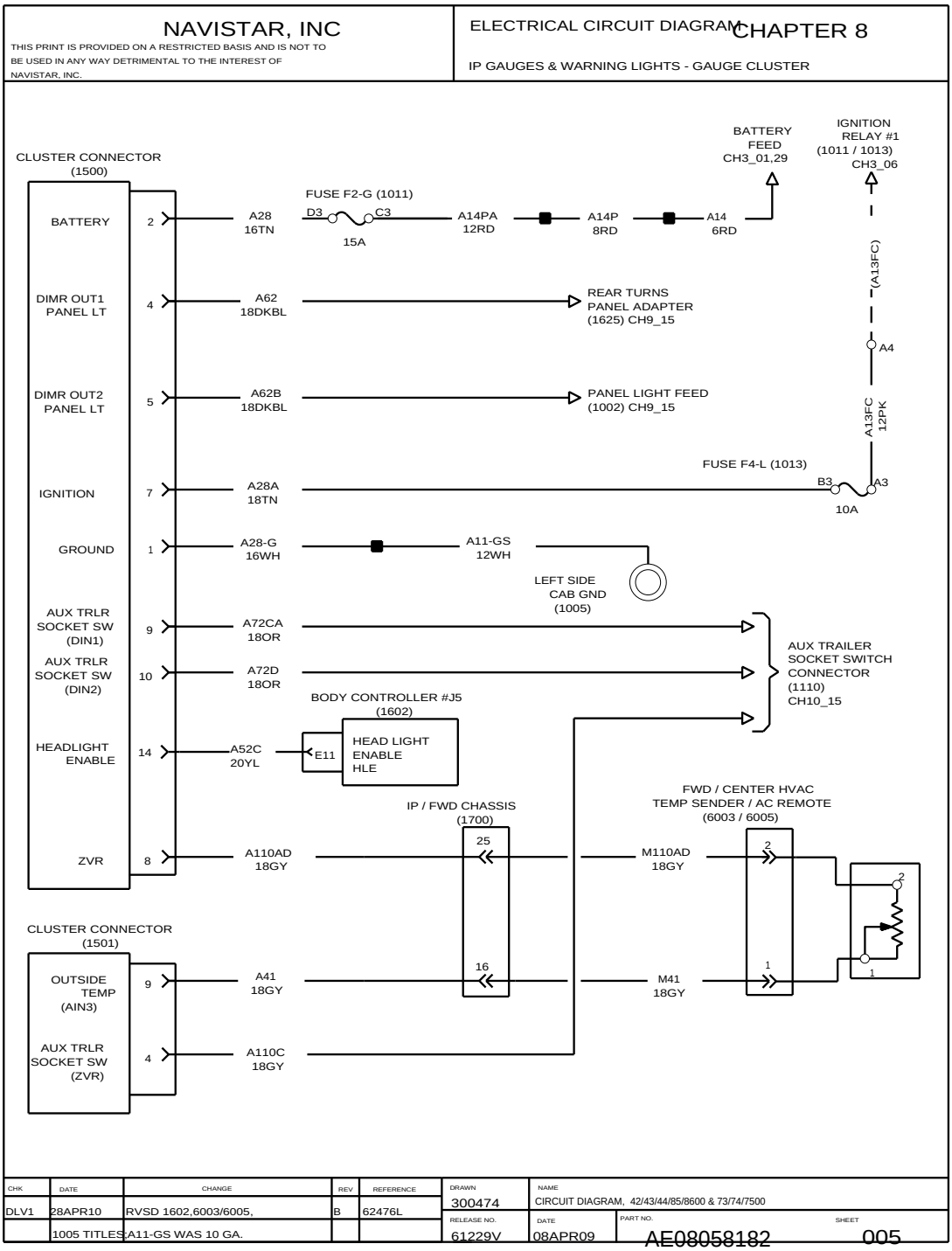


Figure 118 IP/Gauges and Warning Lights — Gauge Cluster

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8.6. AIR PRESSURE INPUT CIRCUIT, P. 6

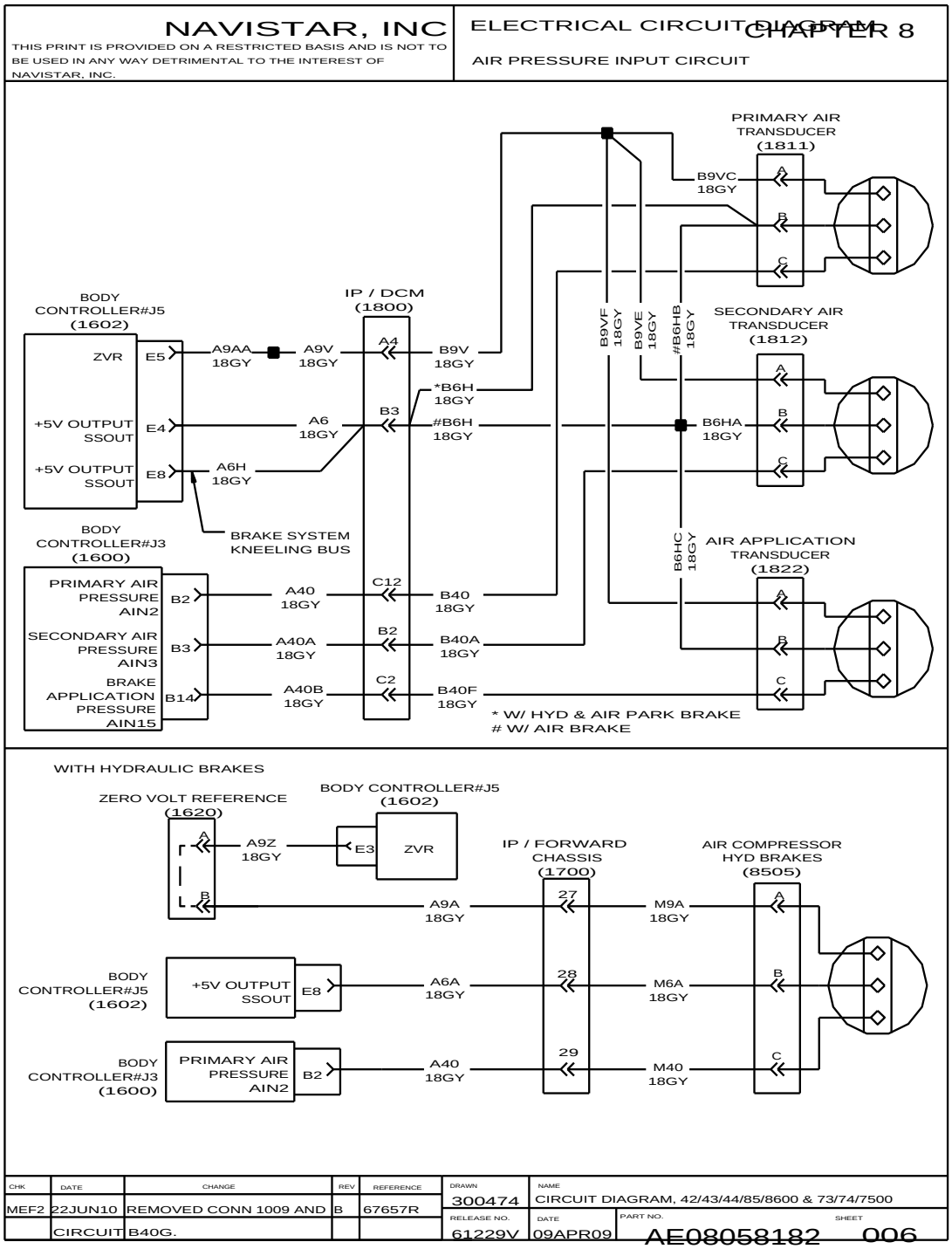


Figure 119 Air Pressure Input Circuit

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

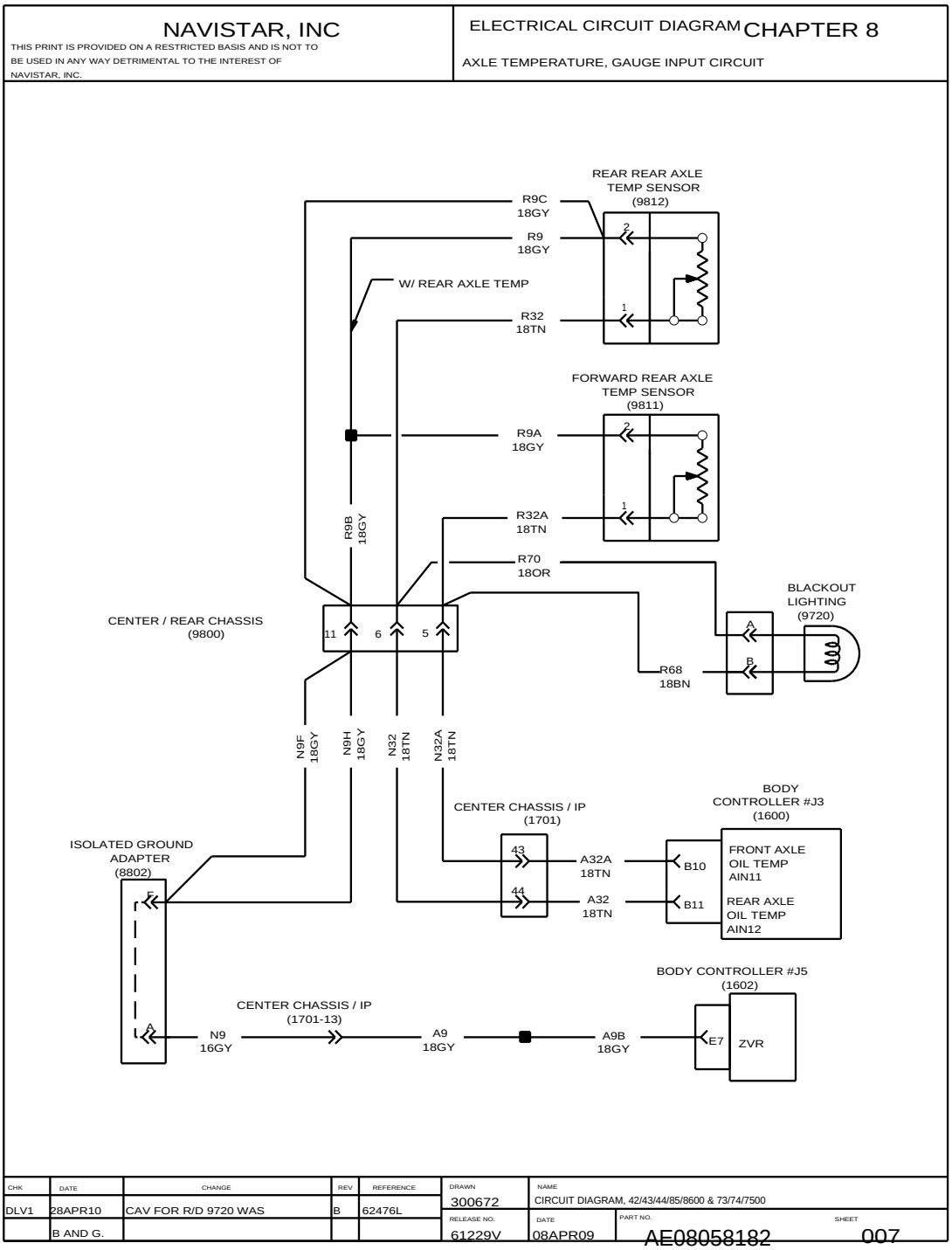


Figure 120 Axle Temperature, Gauge Input Circuit

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

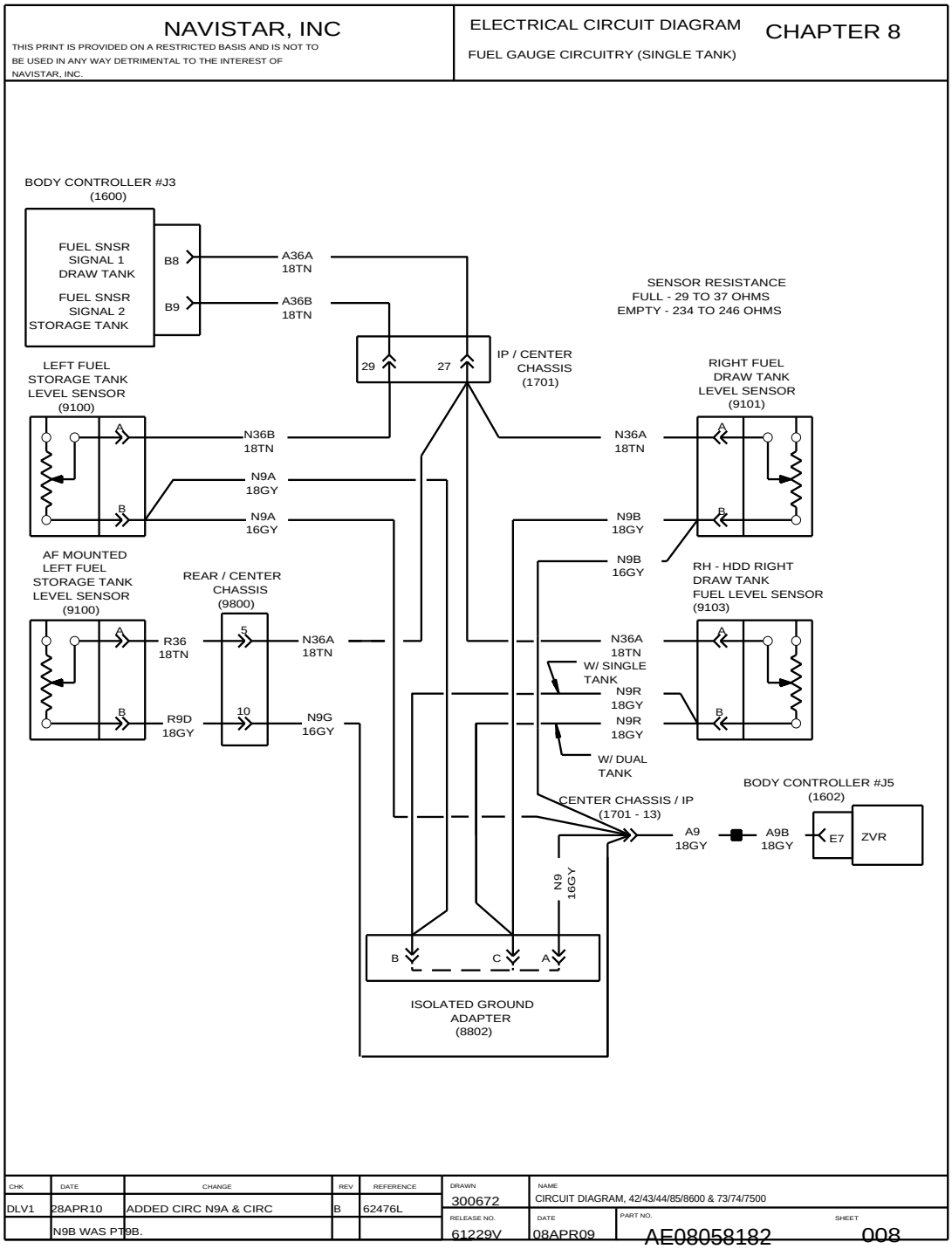


Figure 121 Fuel Gauge Circuitry (Single Tank)

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8.9. DIFFERENTIAL LOCK WARNING LAMPS, P. 9

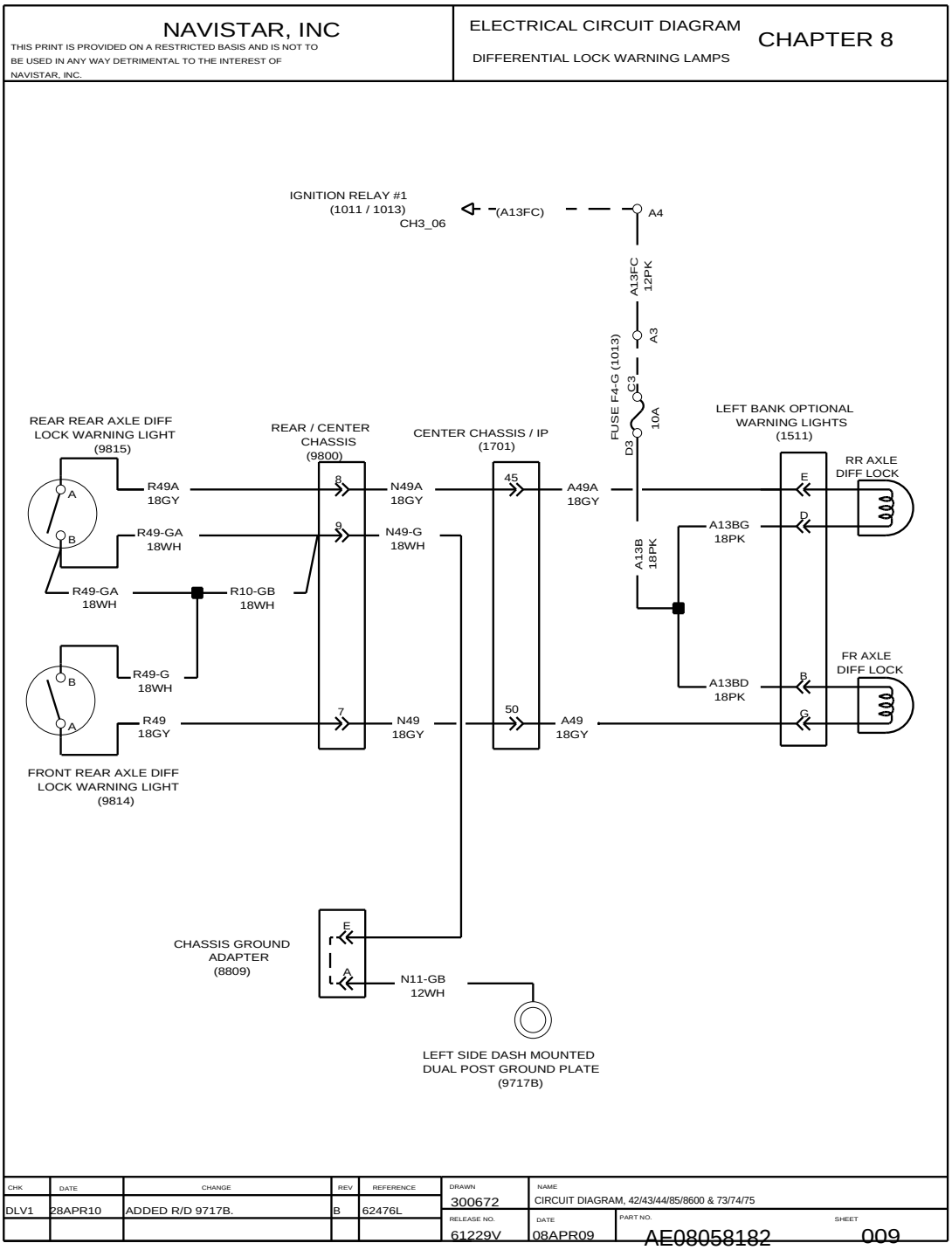


Figure 122 Differential Lock Warning Lamps

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8.10. PARK BRAKE SWITCH HYDRAULIC, P. 10

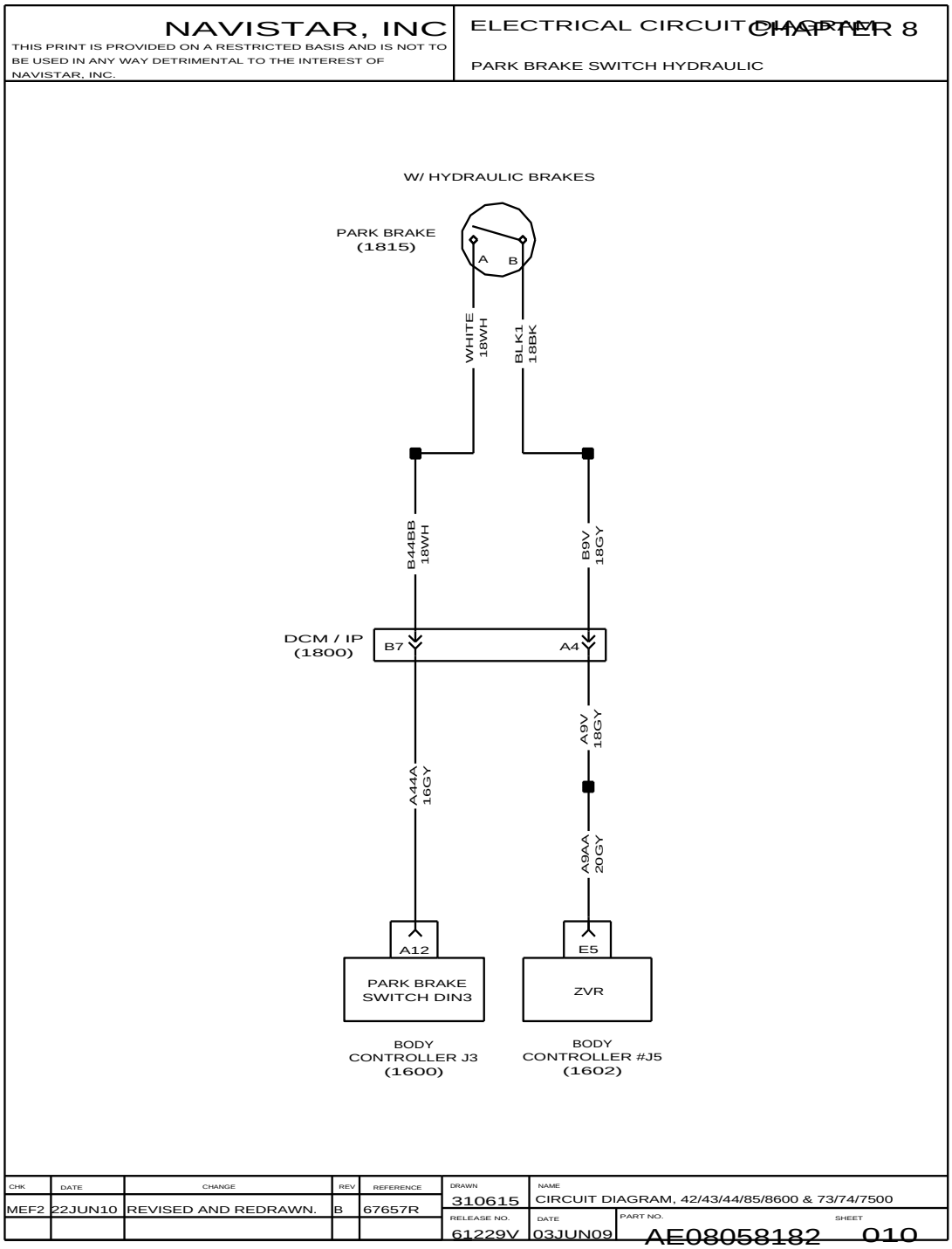


Figure 123 Park Brake Switch Hydraulic

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

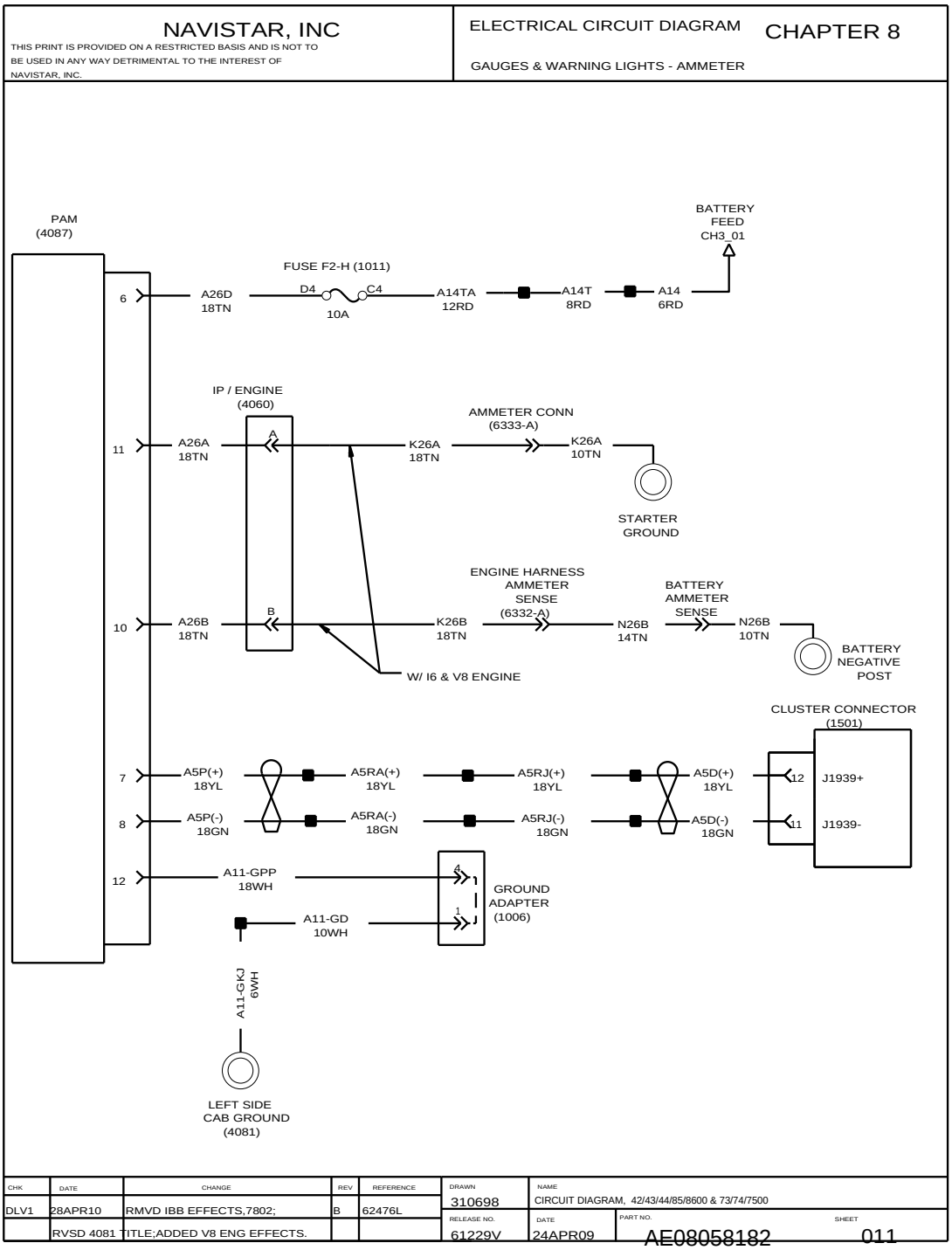


Figure 124 Gauges and Warning Lights — Ammeter

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8.12. FRONT AXLE ENGAGEMENT WARNING LAMP, P. 12

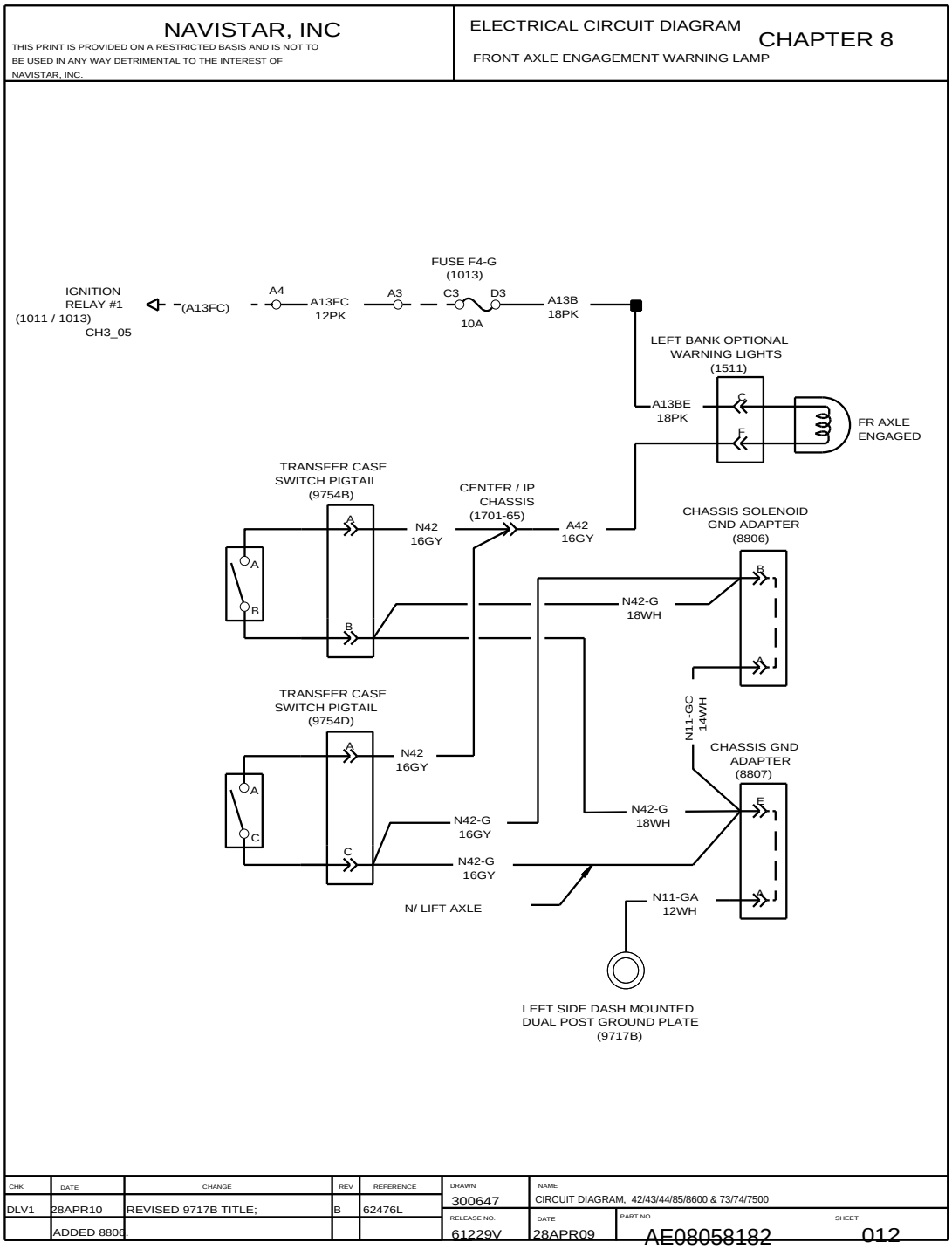


Figure 125 Front Axle Engagement Warning Lamp

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8.13. WARNING LIGHTS — RIGHT BANK — OPTIONAL, P. 13

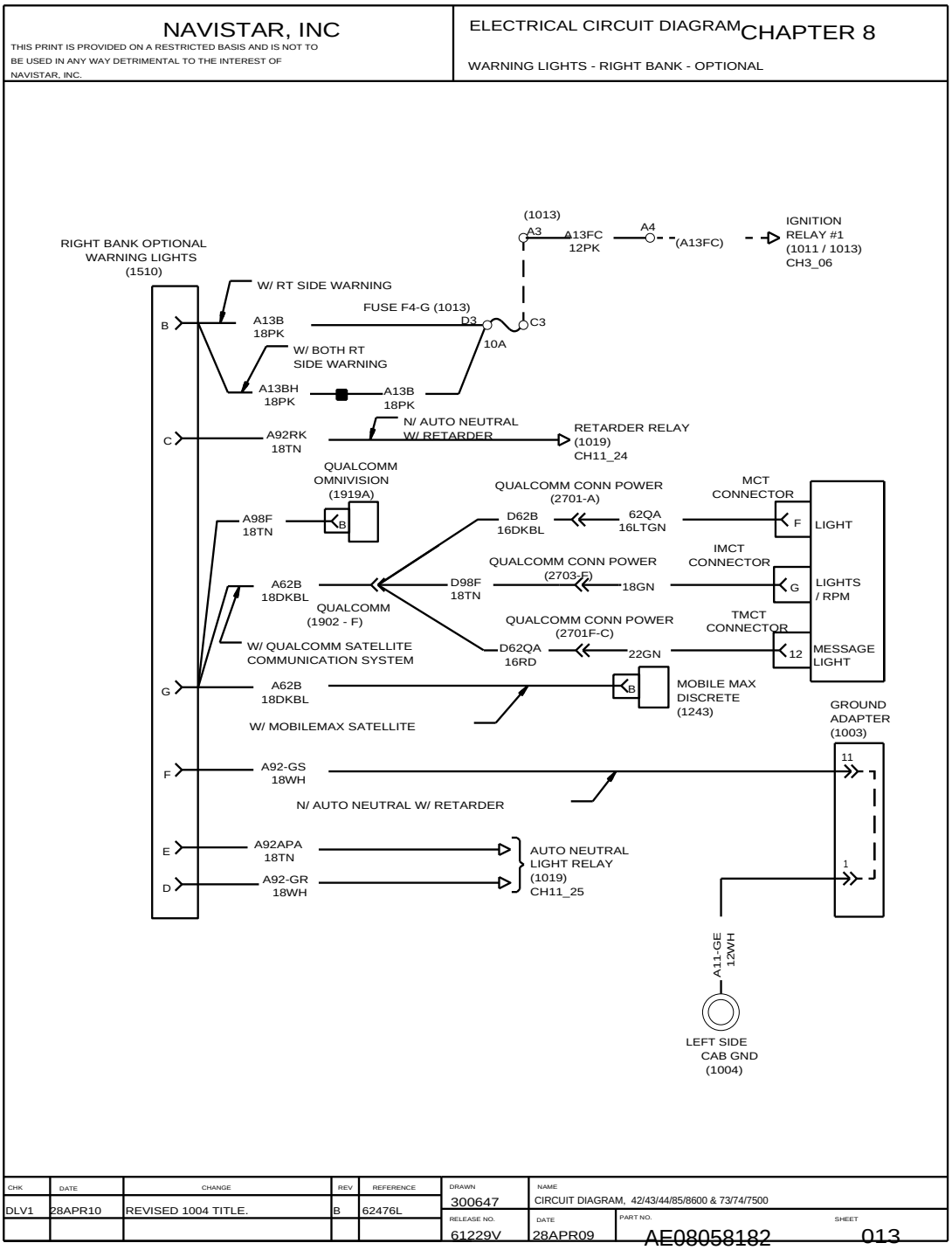


Figure 126 Warning Lights — Right Bank — Optional

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8.14. WARNING LIGHTS – LEFT BANK — OPTIONAL, P. 14

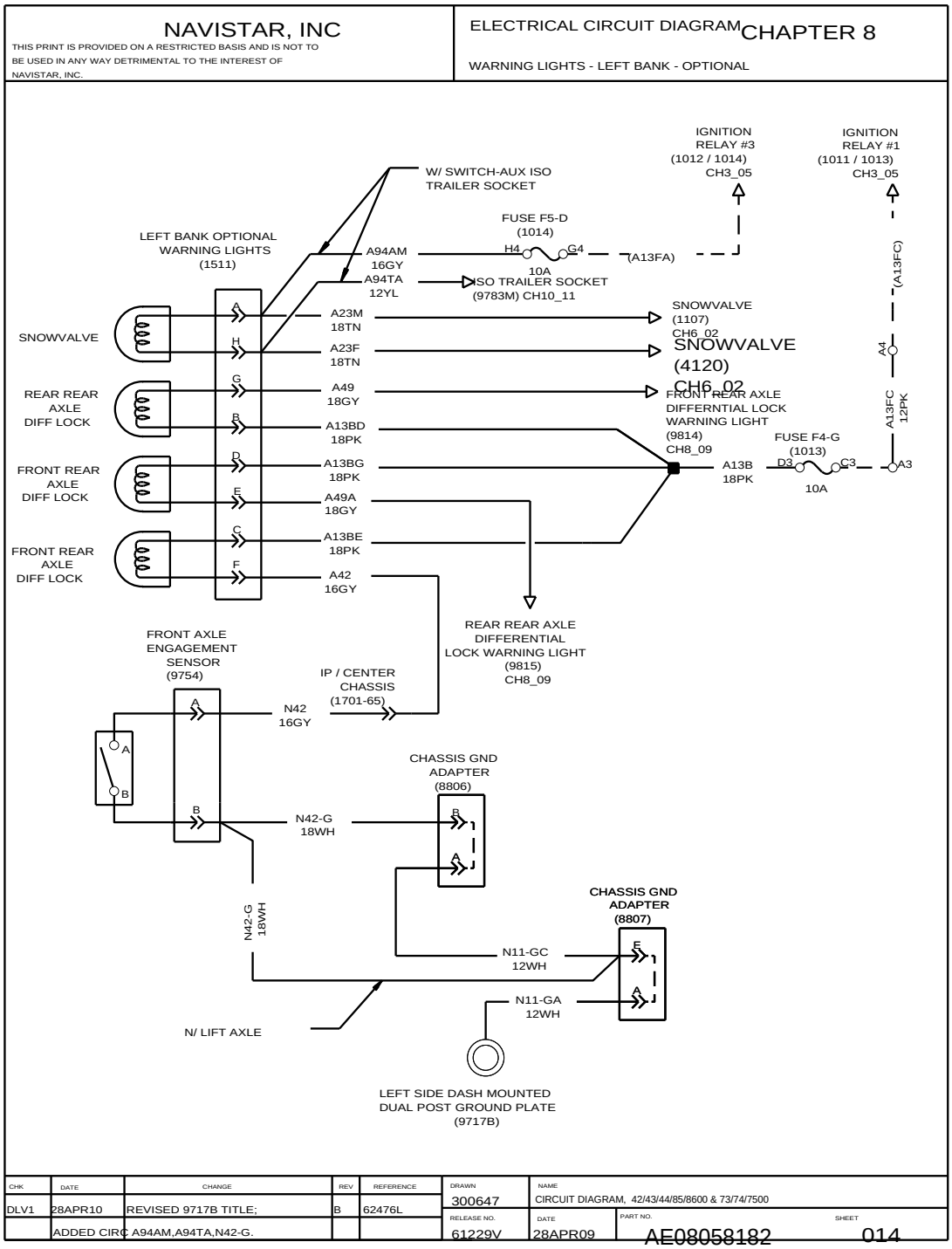


Figure 127 Warning Lights – Left Bank — Optional

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8.15. LOAD MONITORING, P. 15

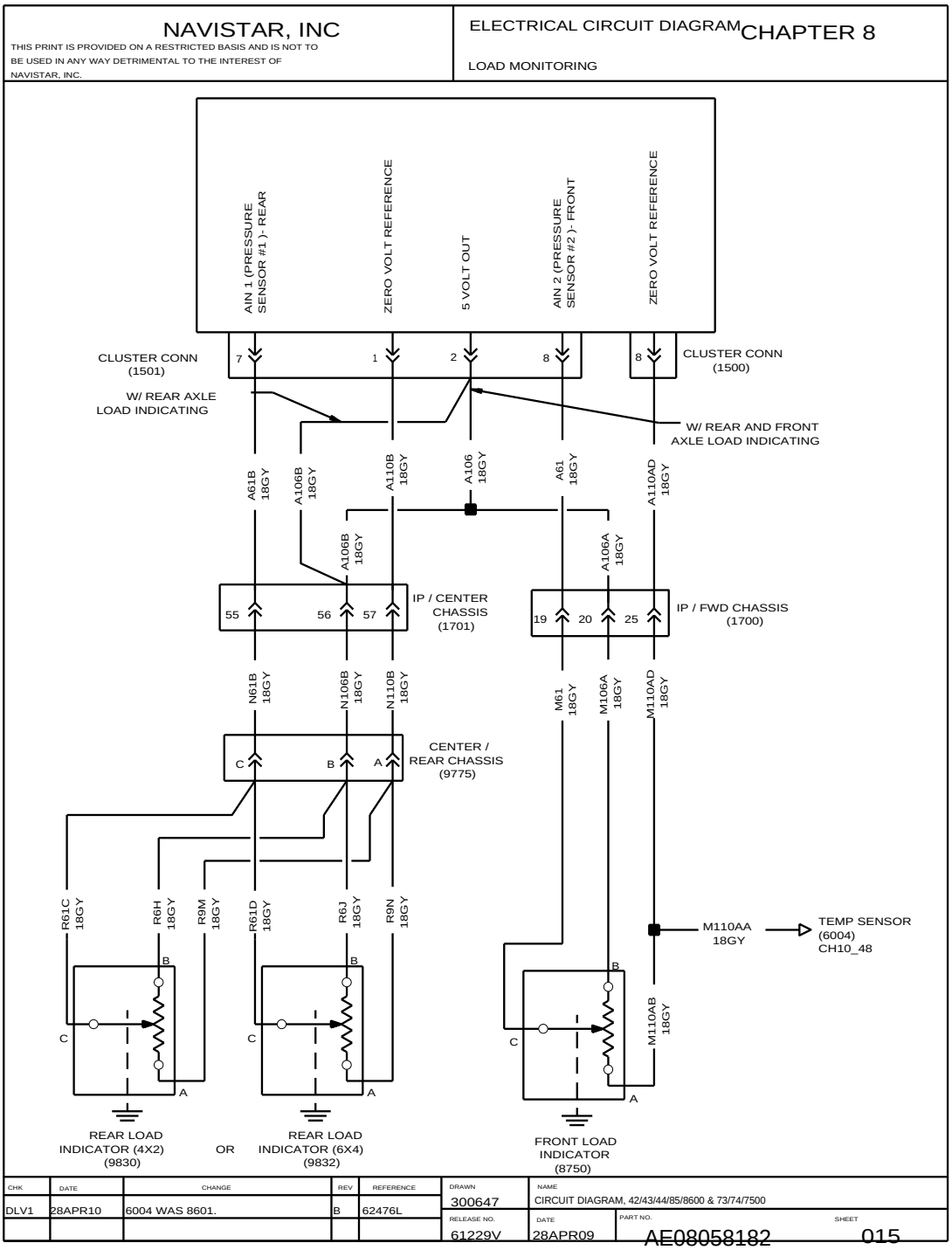


Figure 128 Load Monitoring

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8.16. AIR PARK BRAKE AND MANUAL TRANSMISSION OIL TEMP GAUGE, P. 16

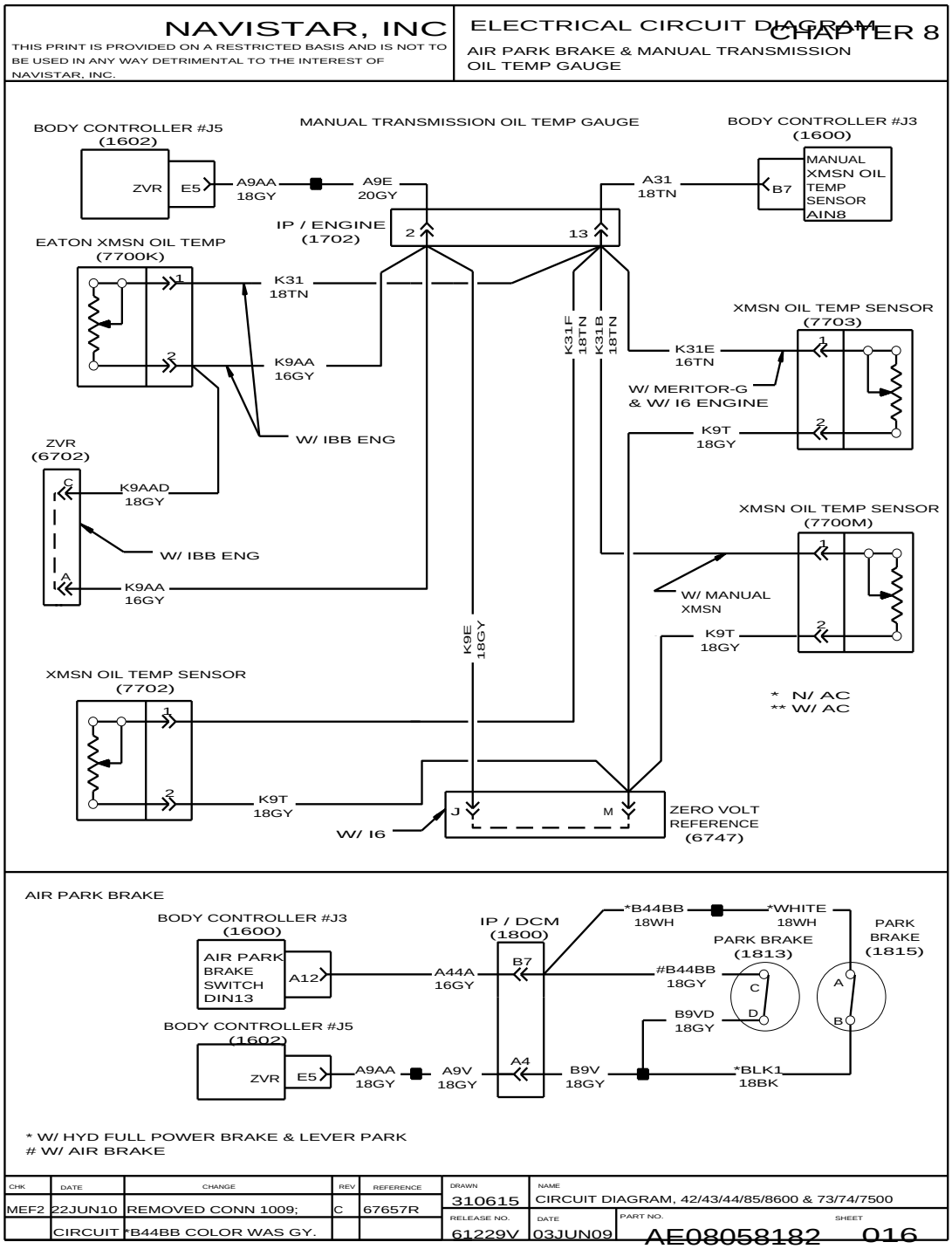


Figure 129 Air Park Brake and Manual Transmission Oil Temp Gauge

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9. LIGHTS (CHAPTER 9)

9.1. BACK-UP LIGHTS N/ ALLISON TRANSMISSION, P. 1

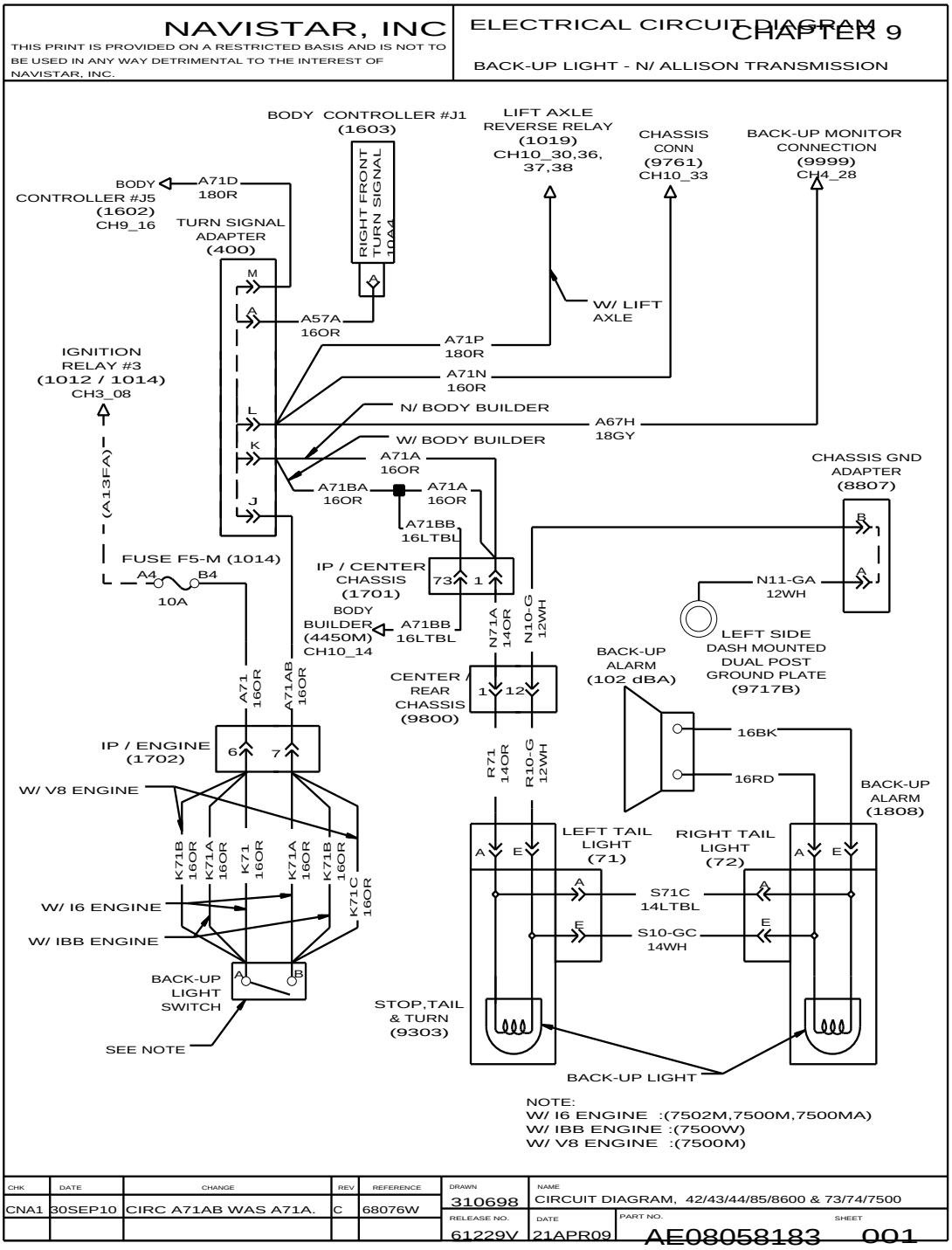


Figure 130 Back-Up Lights N/ Allison Transmission

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9.2. BACK-UP LIGHTS W/ ALLISON TRANSMISSION, P. 2

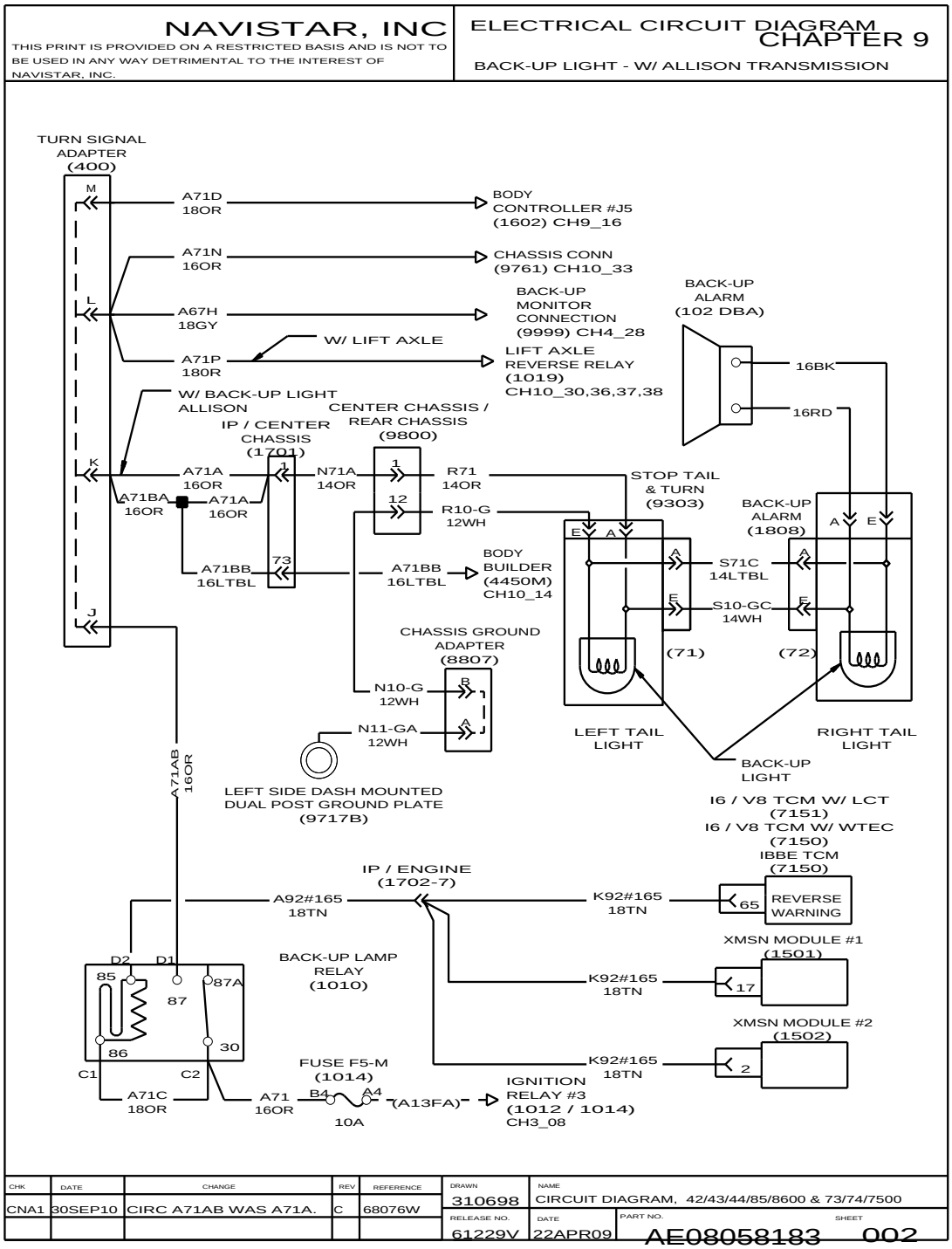


Figure 131 Back-Up Lights W/ Allison Transmission

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

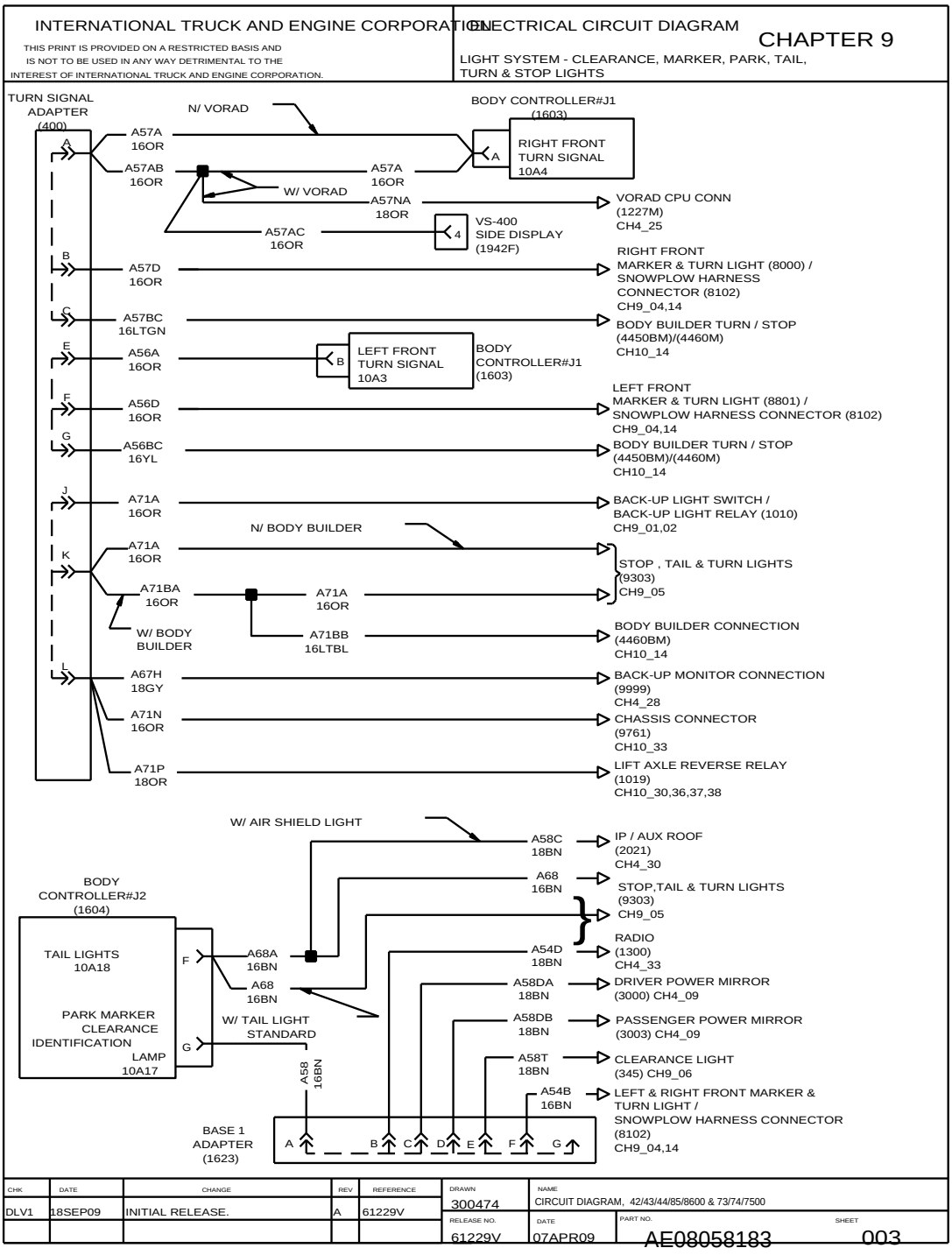


Figure 132 Light Systems — Clearance, Marker, Park, Tail, Turn and Stop Lights

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

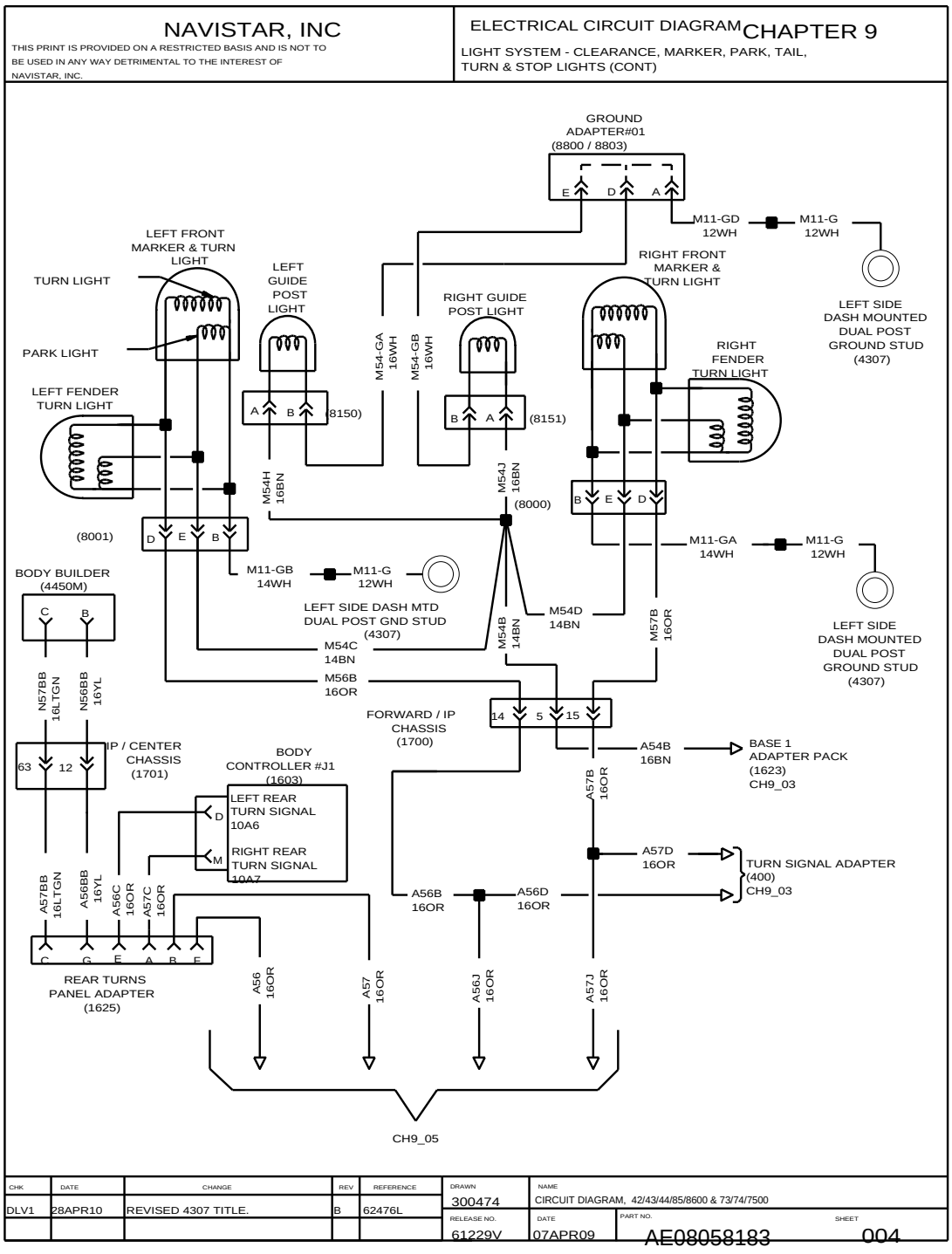


Figure 133 Light Systems — Clearance, Marker, Park, Tail, Turn and Stop Lights (Cont.)

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

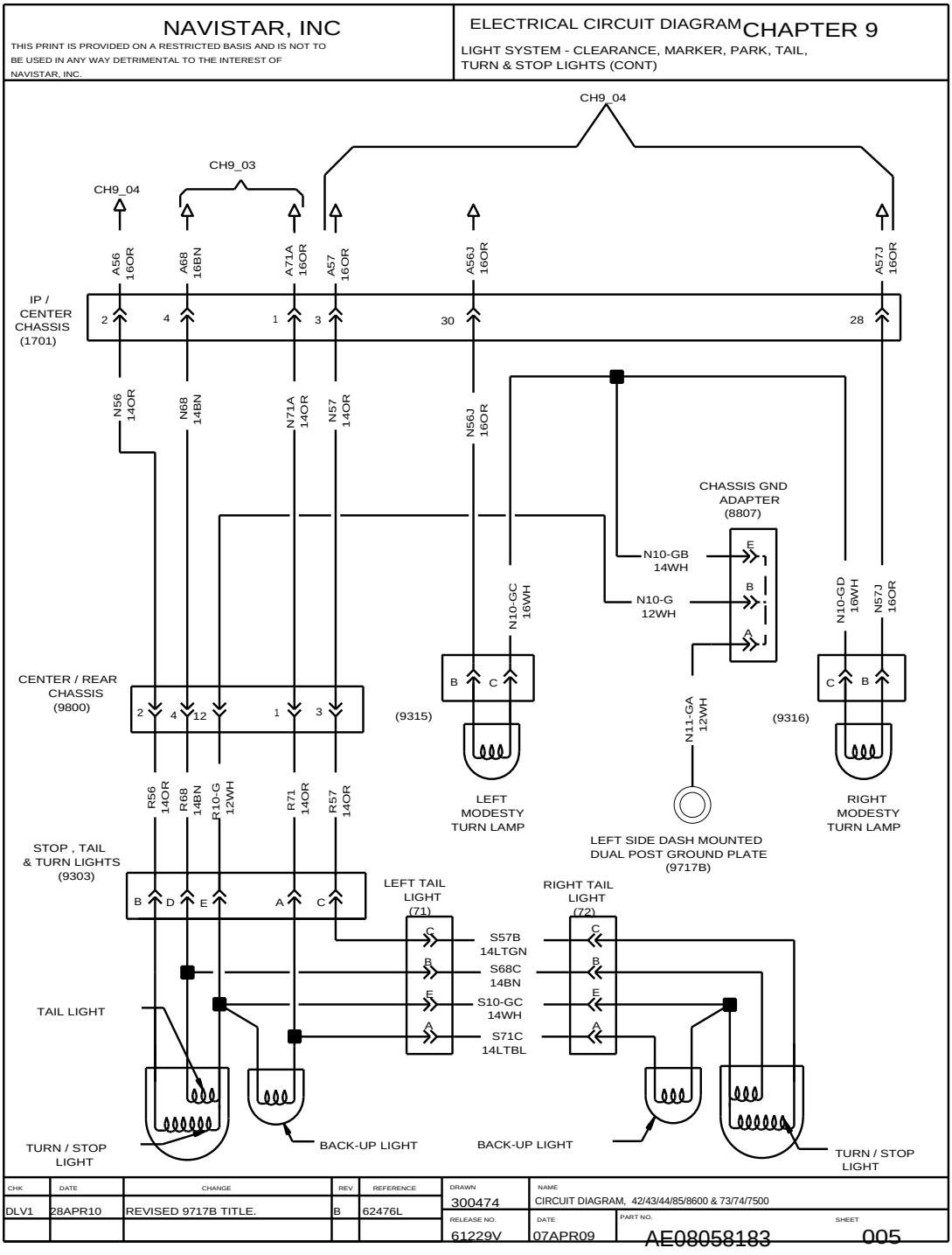


Figure 134 Light Systems — Clearance, Marker, Park, Tail, Turn and Stop Lights (Cont.)

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

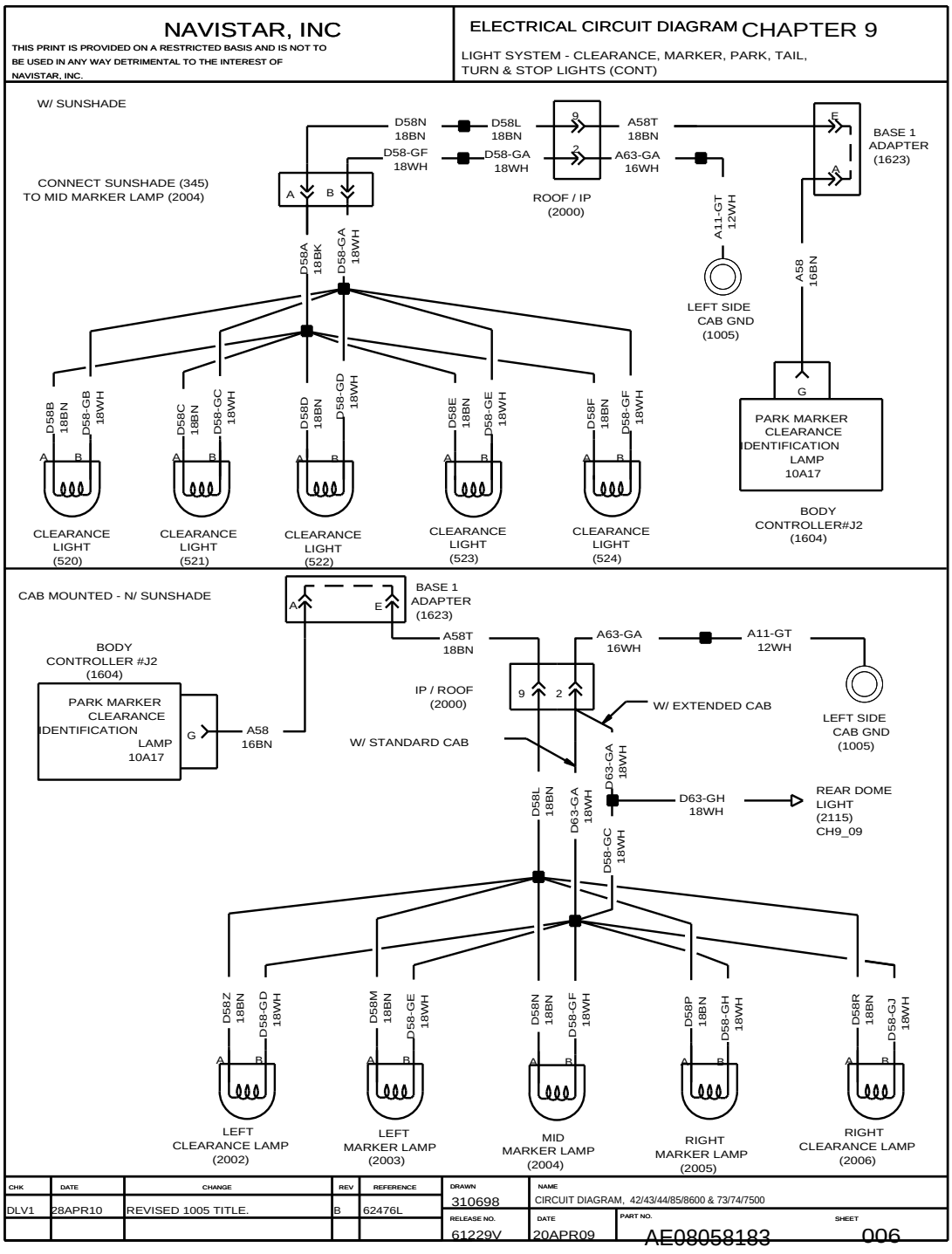


Figure 135 Light Systems — Clearance, Marker, Park, Tail, Turn and Stop Lights (Cont.)

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

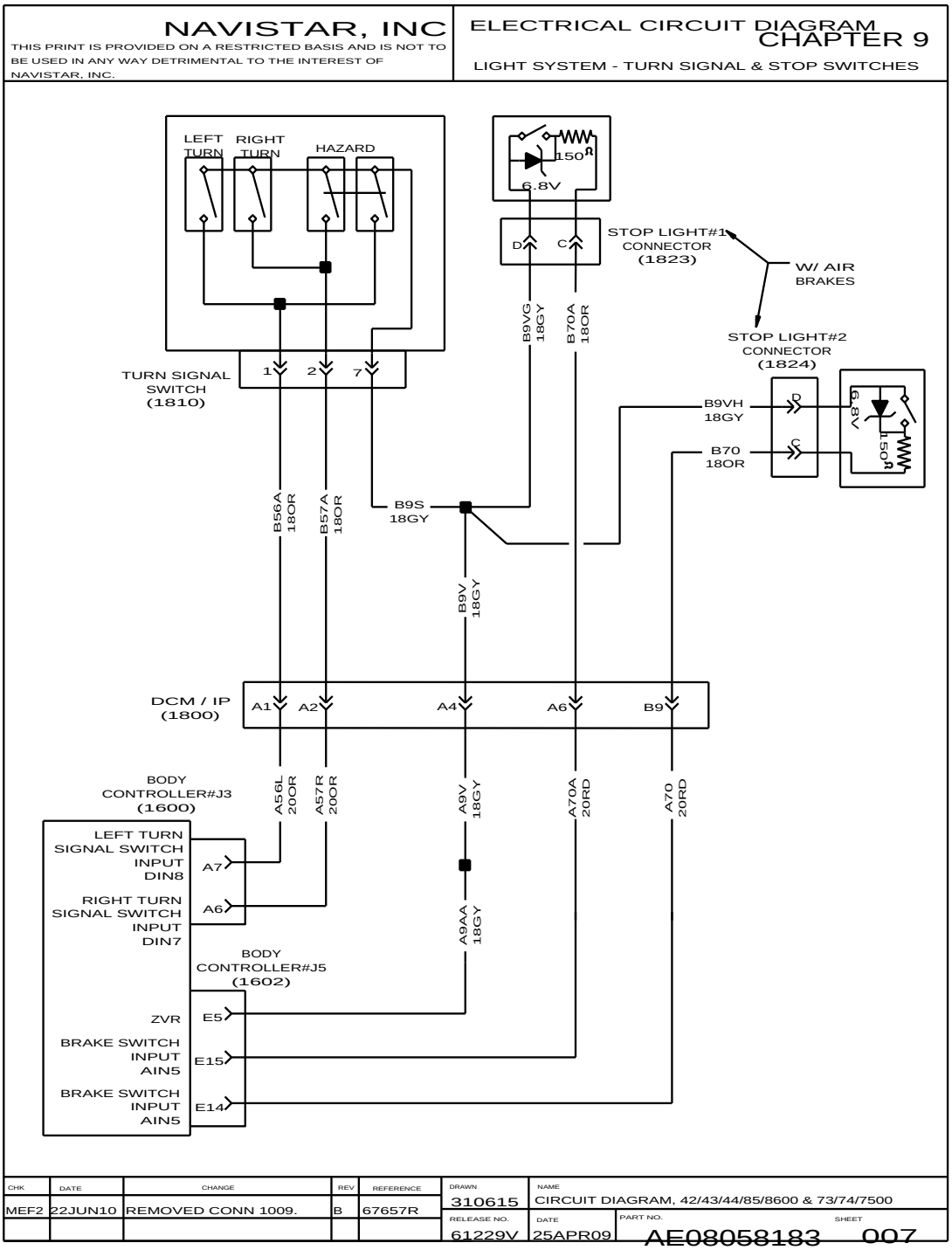


Figure 136 Light Systems — Turn Signal and Stop Switches

https://truckmanualshub.com/

9.8. DOME LIGHT, MAP LIGHT, P. 8

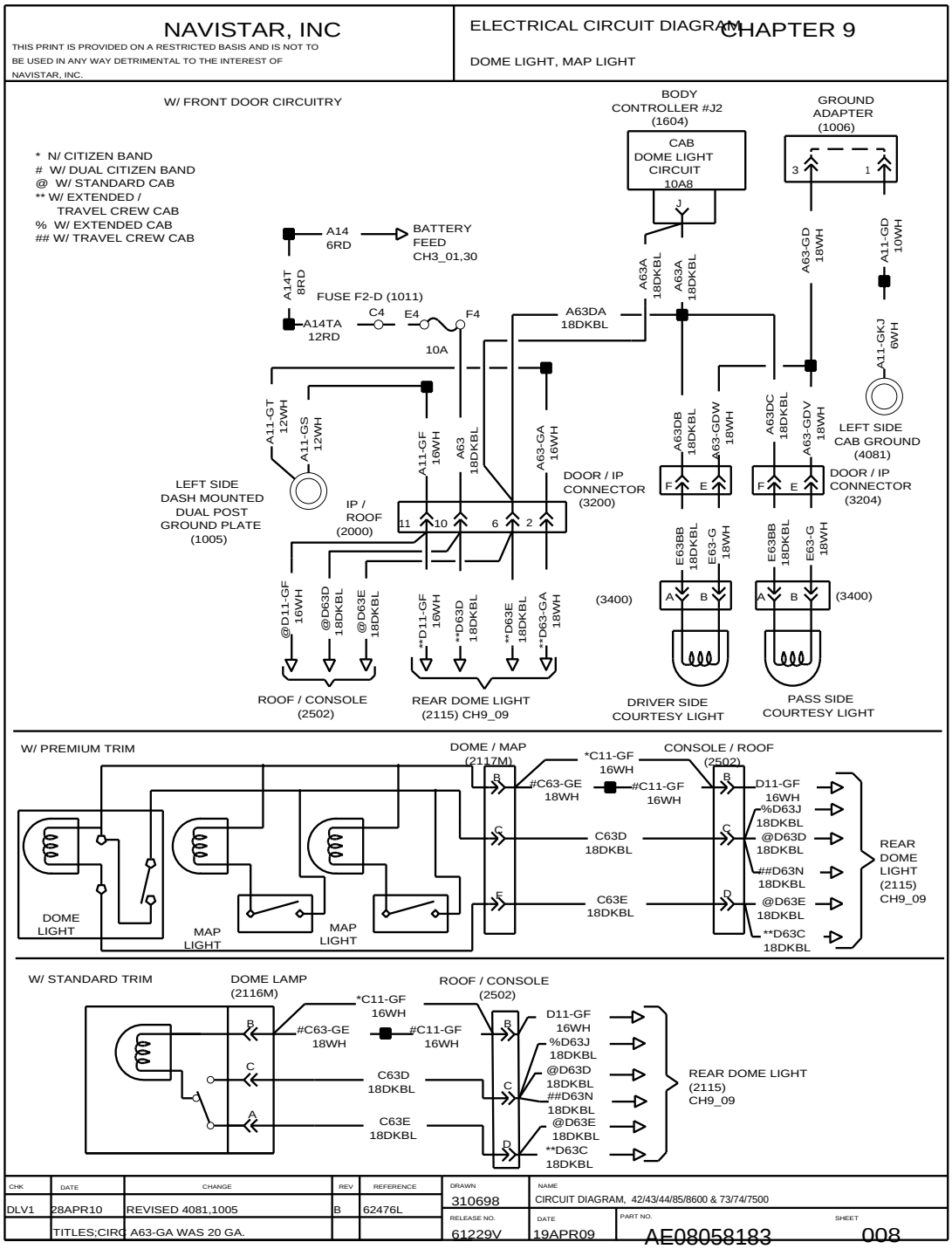


Figure 137 Dome Light, Map Light

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

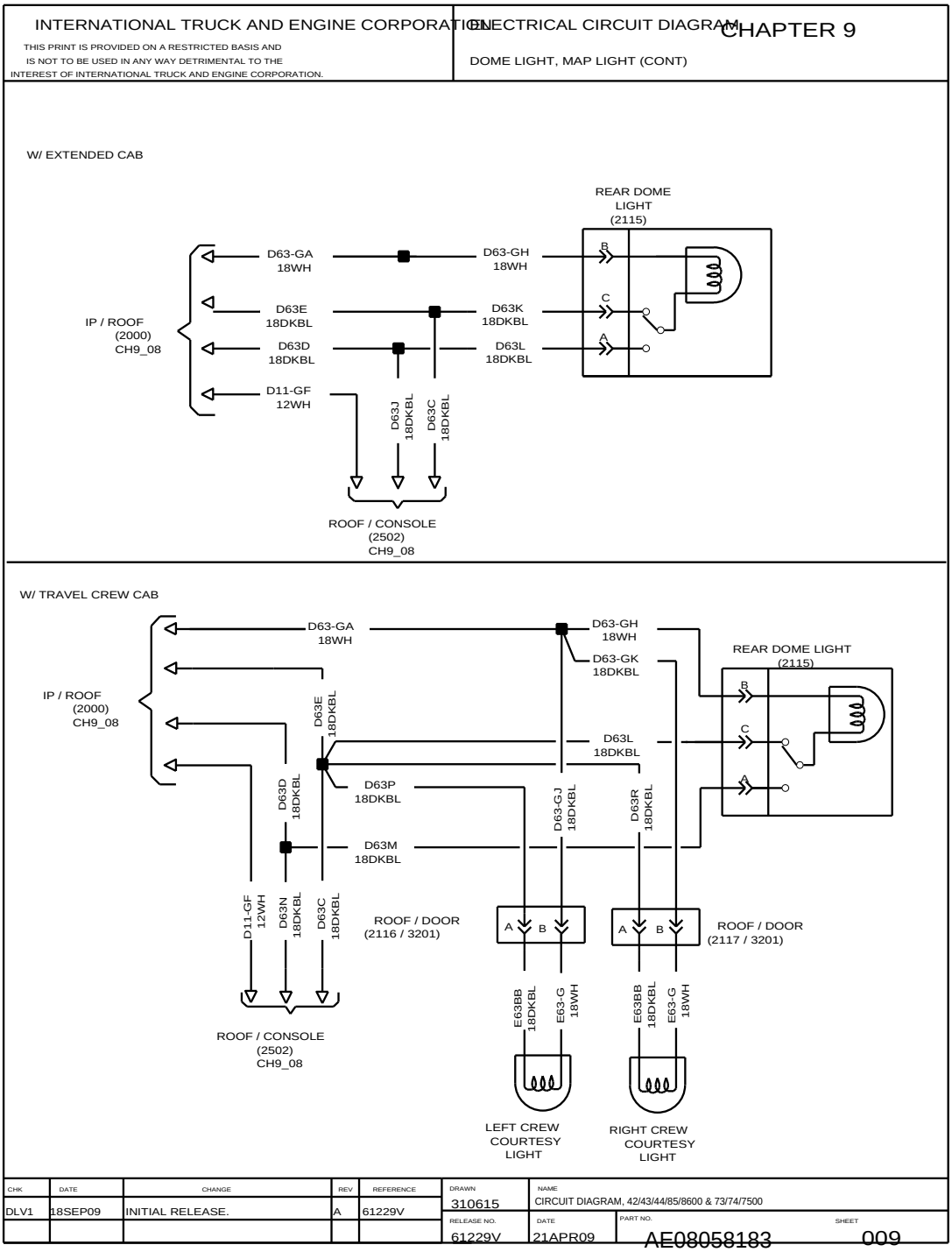


Figure 138 Dome Light, Map Light (Cont.)

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

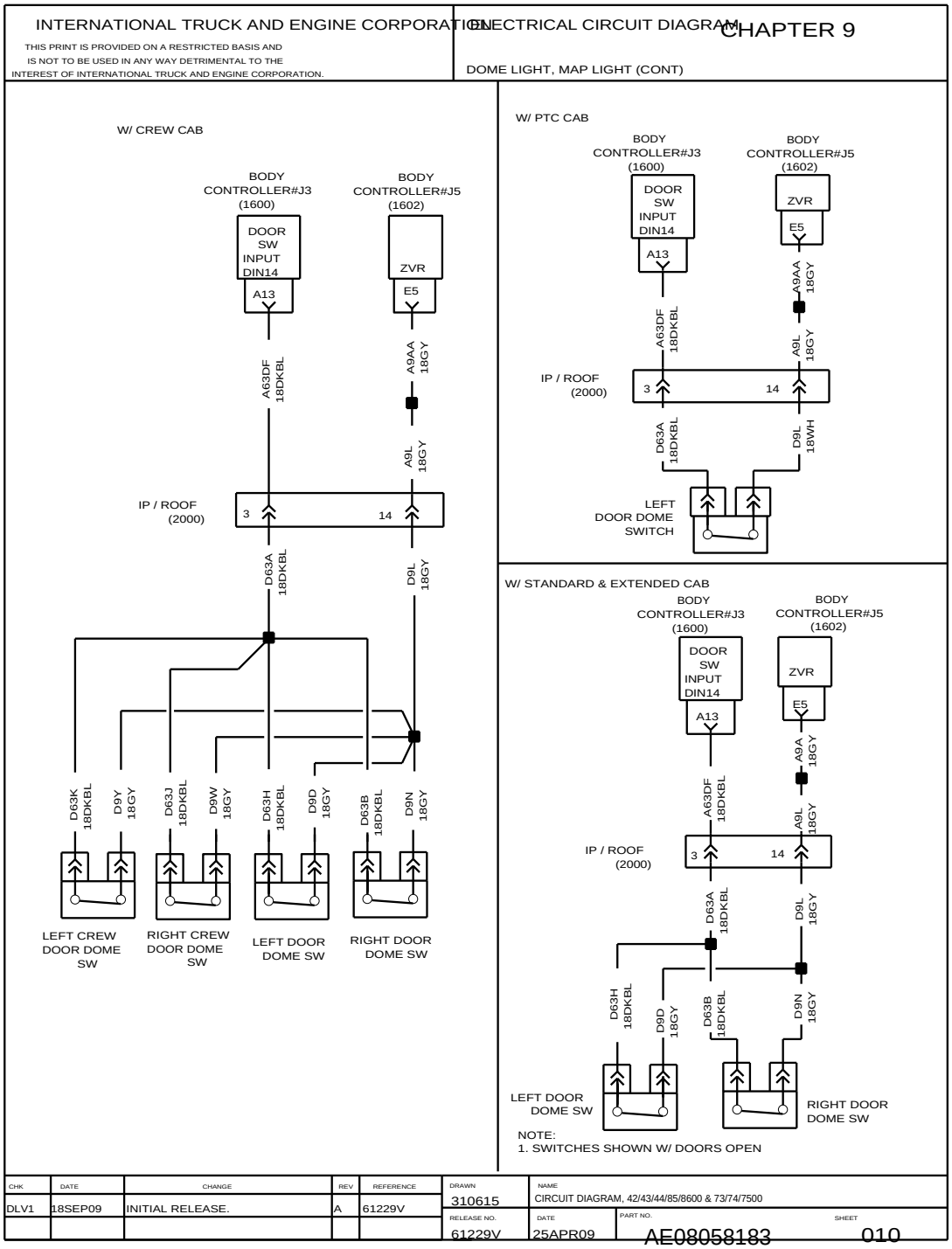


Figure 139 Dome Light, Map Light (Cont.)

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9.11. FOG LIGHT, P. 11

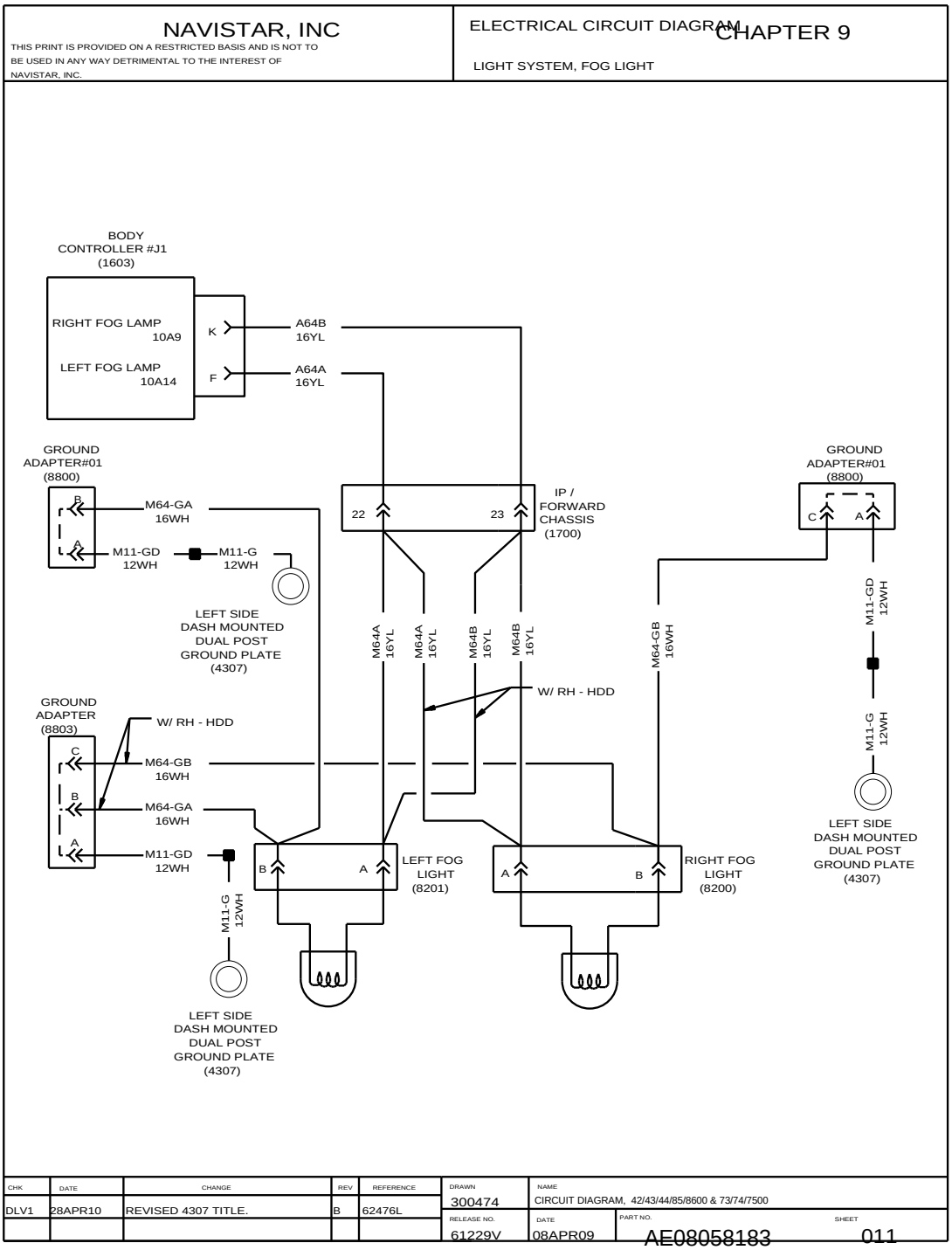


Figure 140 Fog Light

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9.12. HEADLIGHTS, P. 12

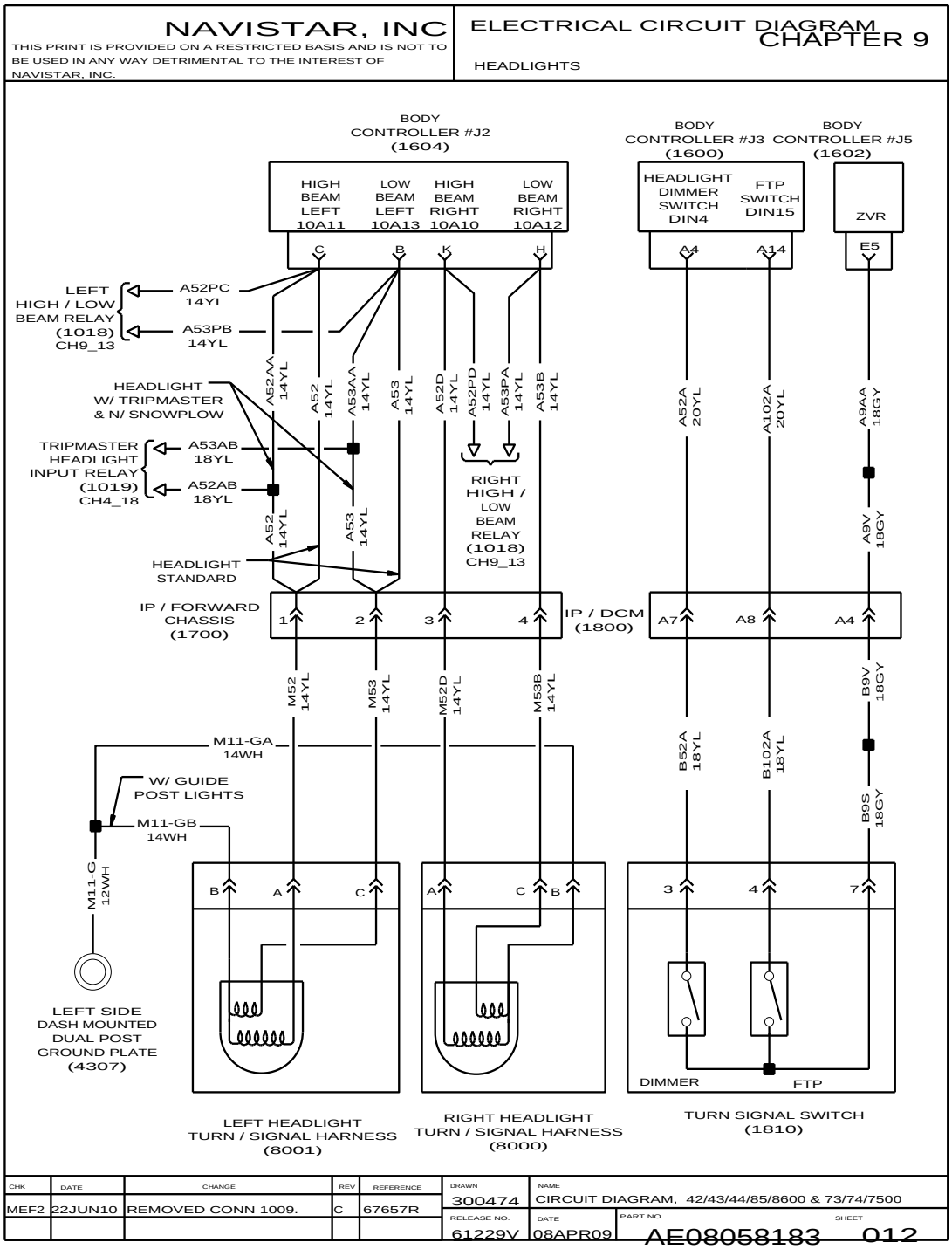


Figure 141 Headlights

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

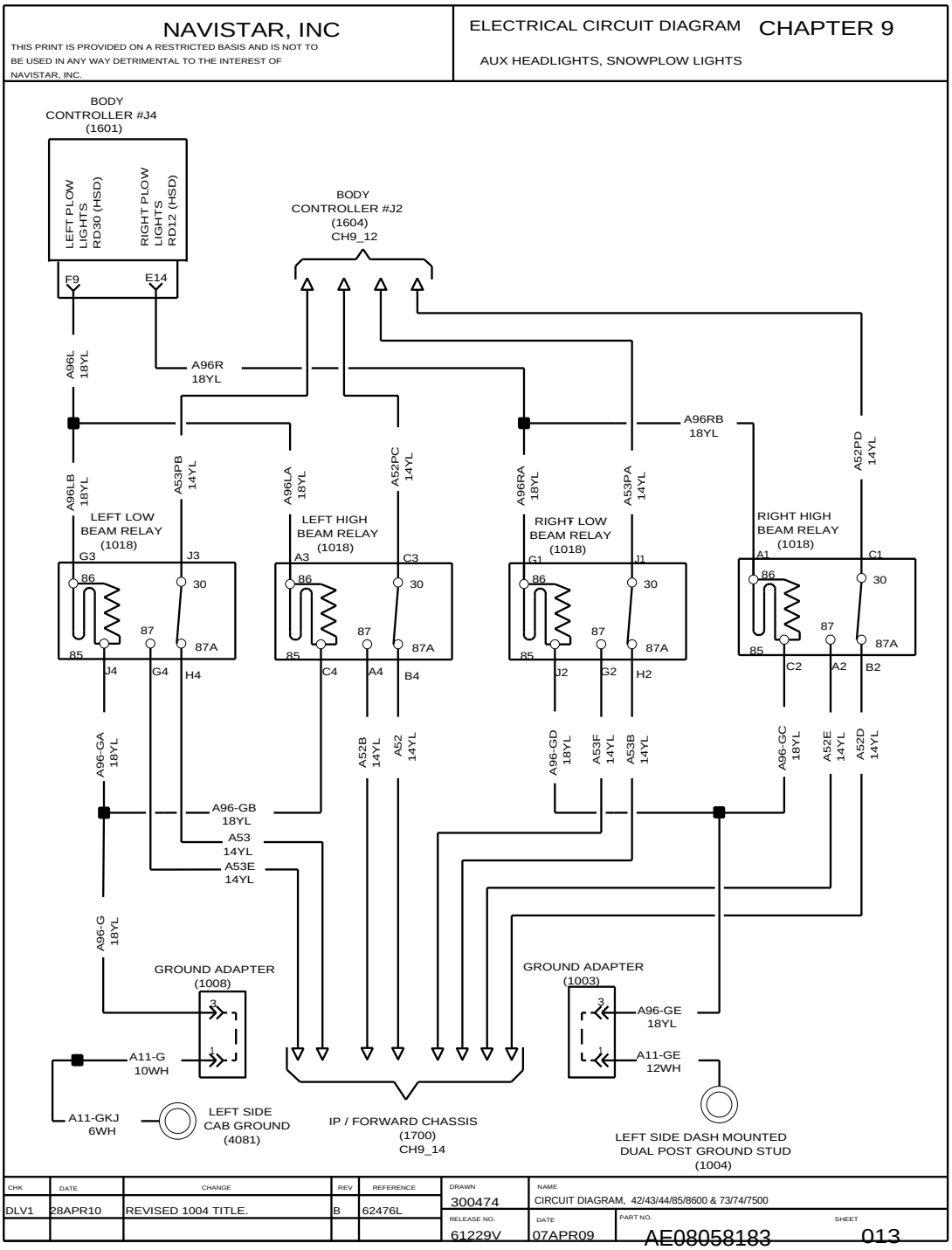


Figure 142 Aux. Headlights, Snow Plow Lights

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

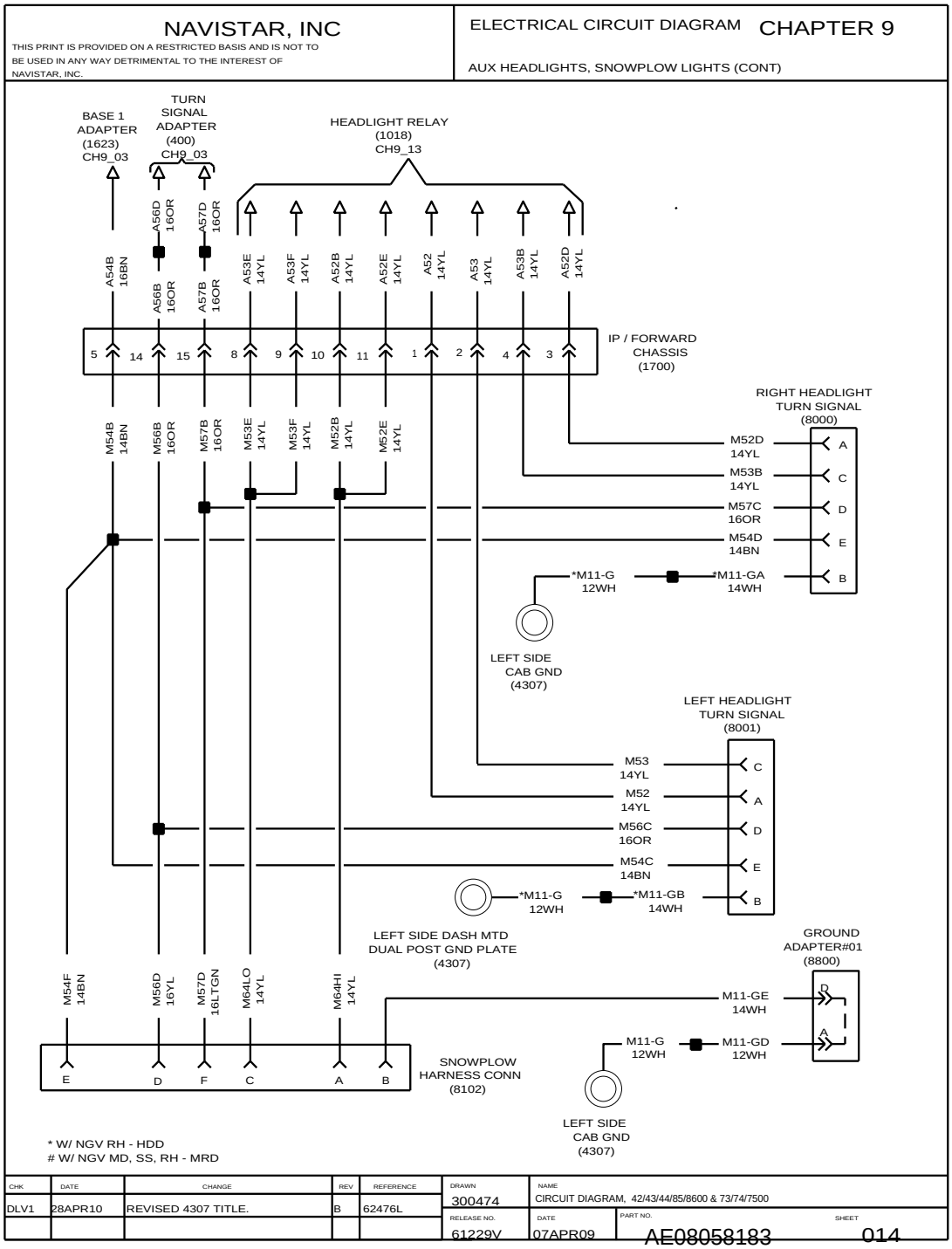


Figure 143 Aux. Headlights, Snow Plow Lights (Cont)

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9.15. PANEL LIGHTS, P. 15

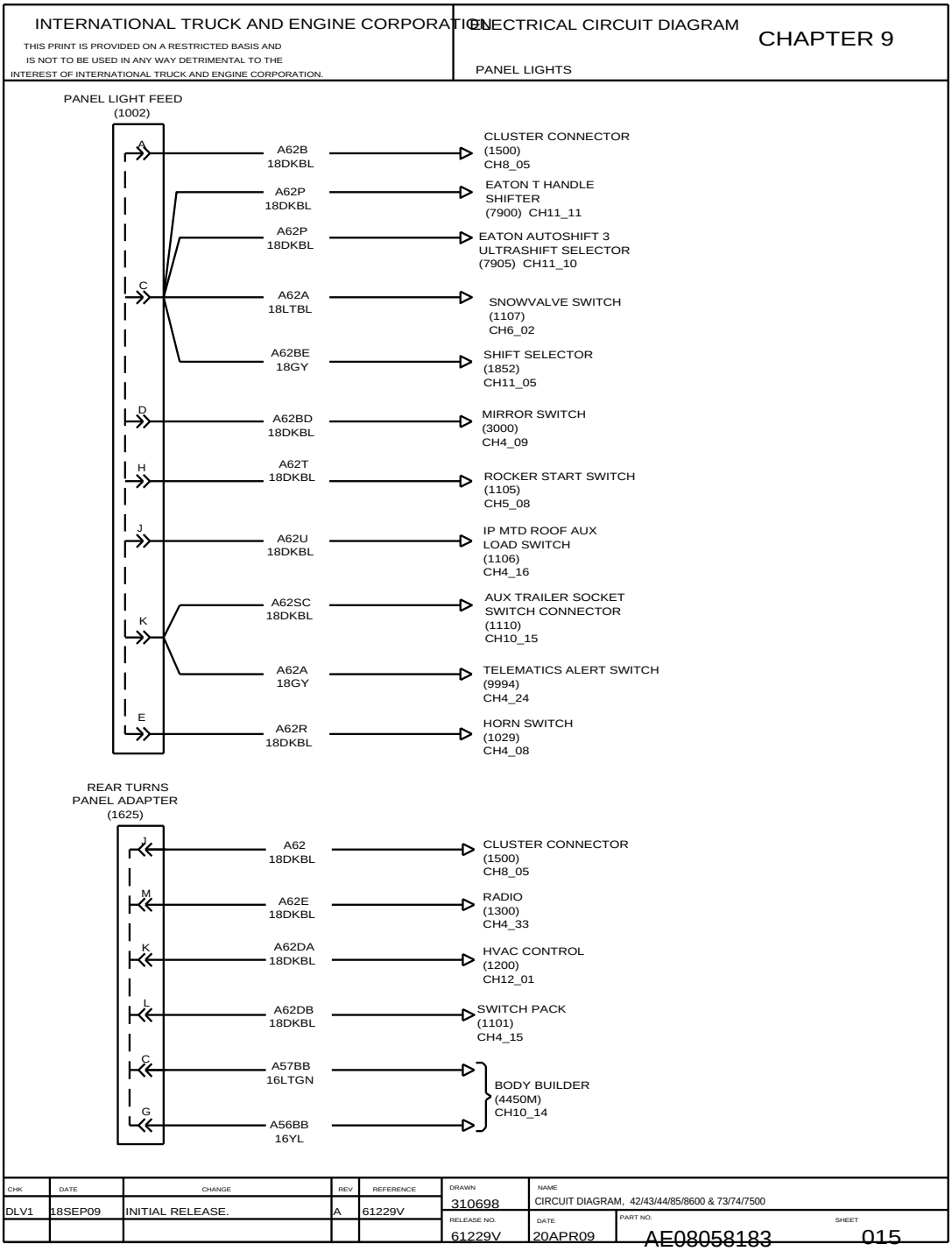


Figure 144 Panel Lights

https://truckmanualshub.com/

9.16. WORK LIGHT, P. 16

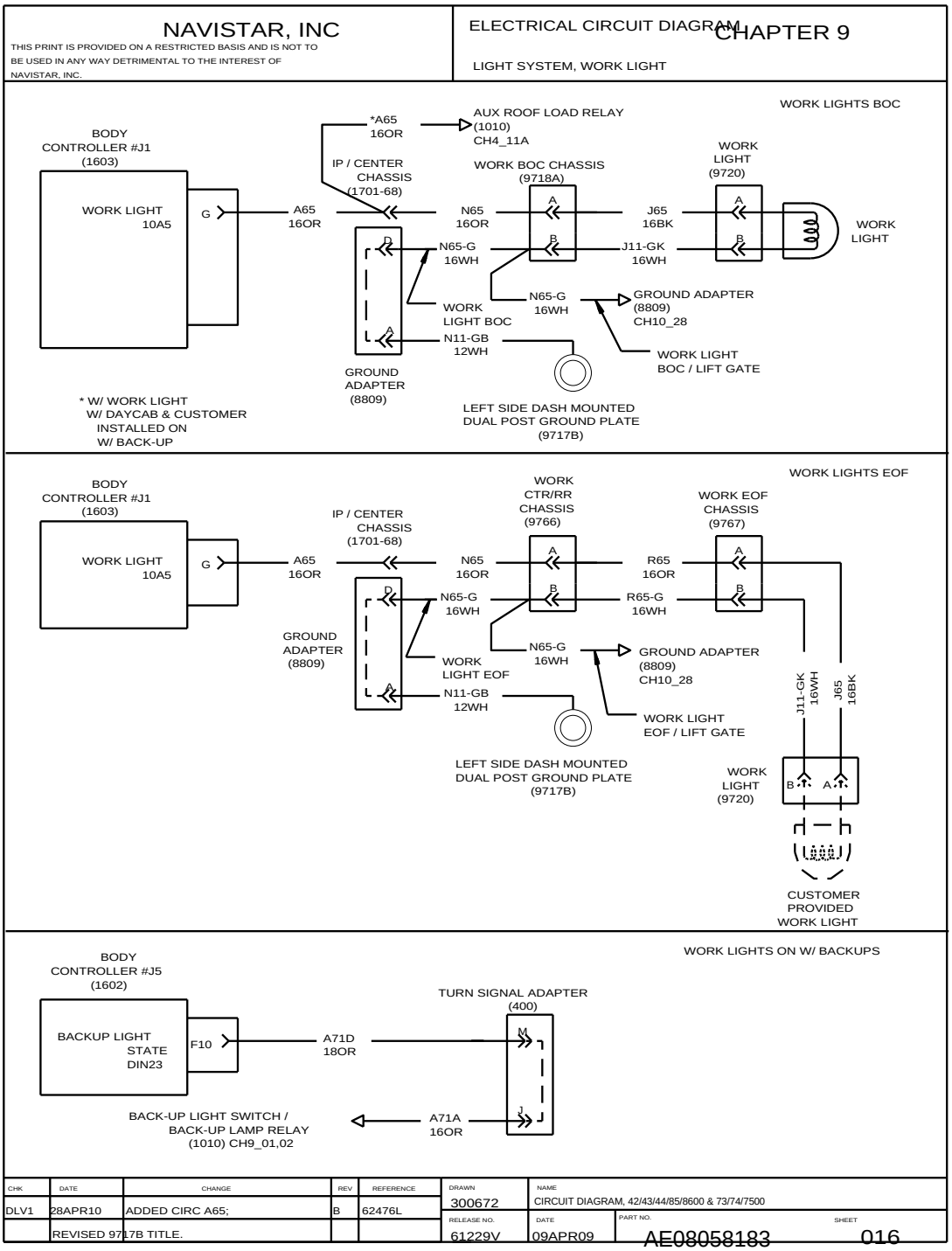


Figure 145 Work Light

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9.17. CUSTOMER SUPPLIED WORK LIGHT WIRING, P. 17

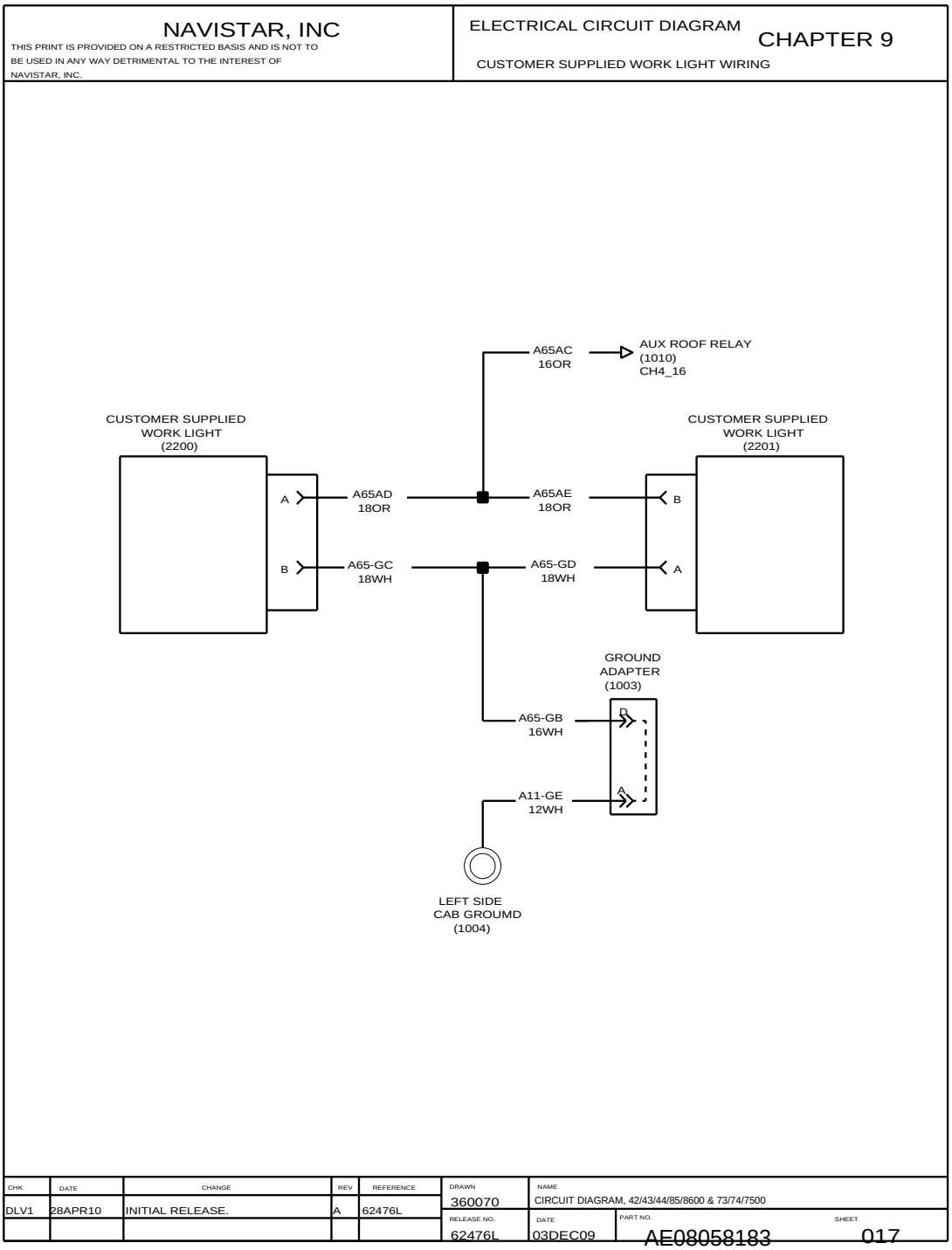


Figure 146 Customer Supplied Work Light Wiring

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10. CHASSIS ACCESSORIES (CHAPTER 10)

10.1. ABS — BENDIX AIR, P. 1

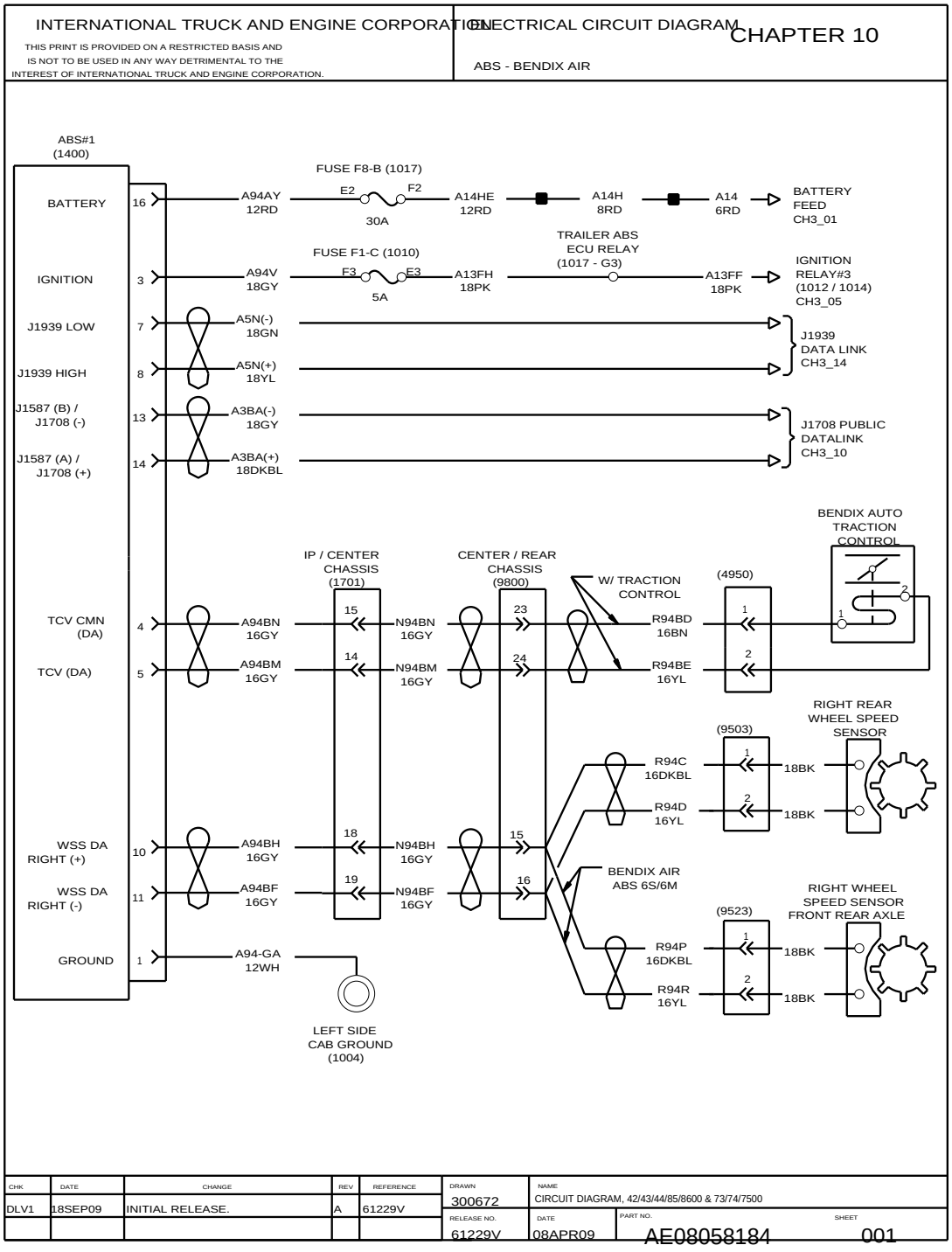


Figure 147 ABS — Bendix Air

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10.2. ABS — BENDIX AIR, P. 2

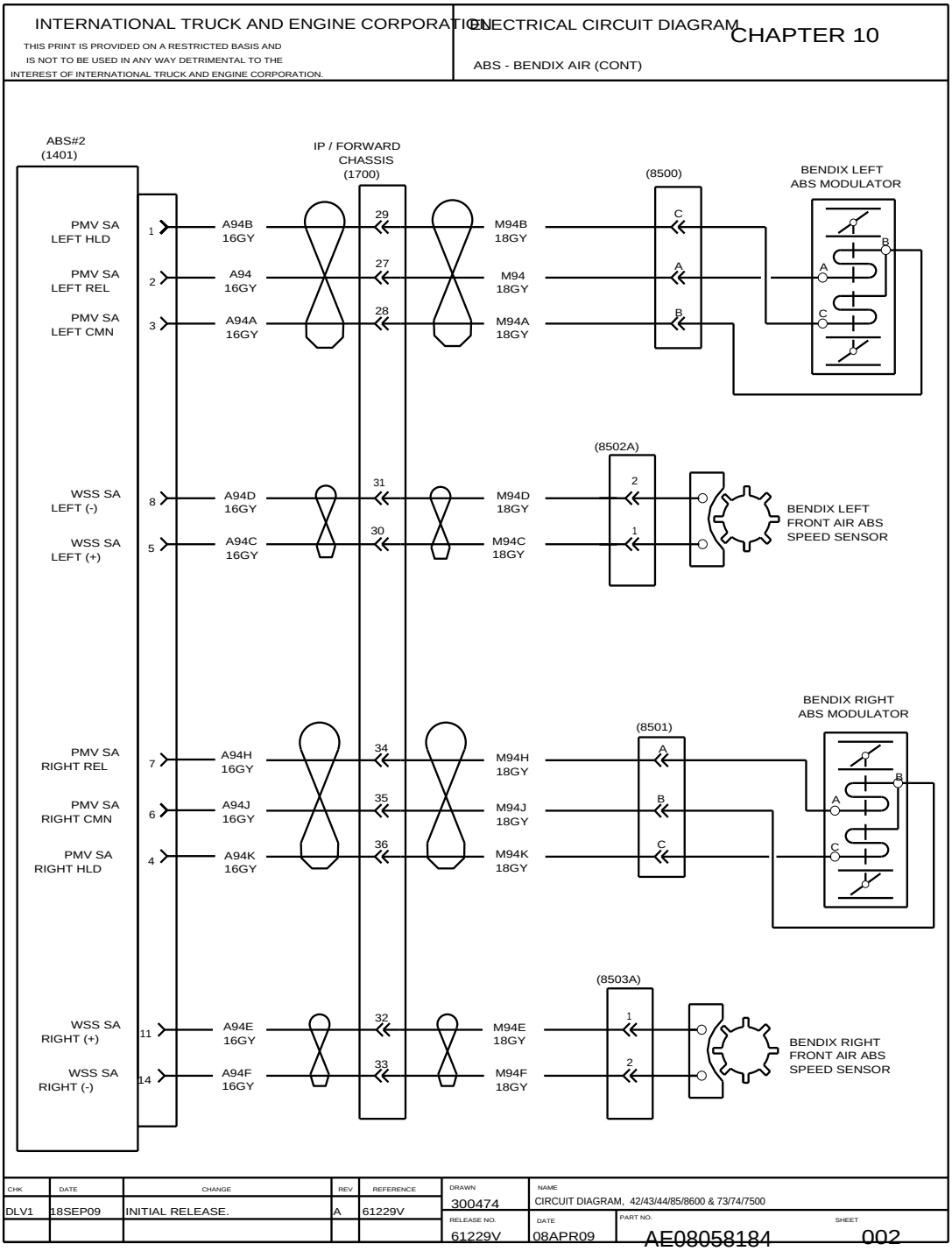


Figure 148 ABS — Bendix Air (Cont.)

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10.3. ABS — BENDIX AIR, P. 3

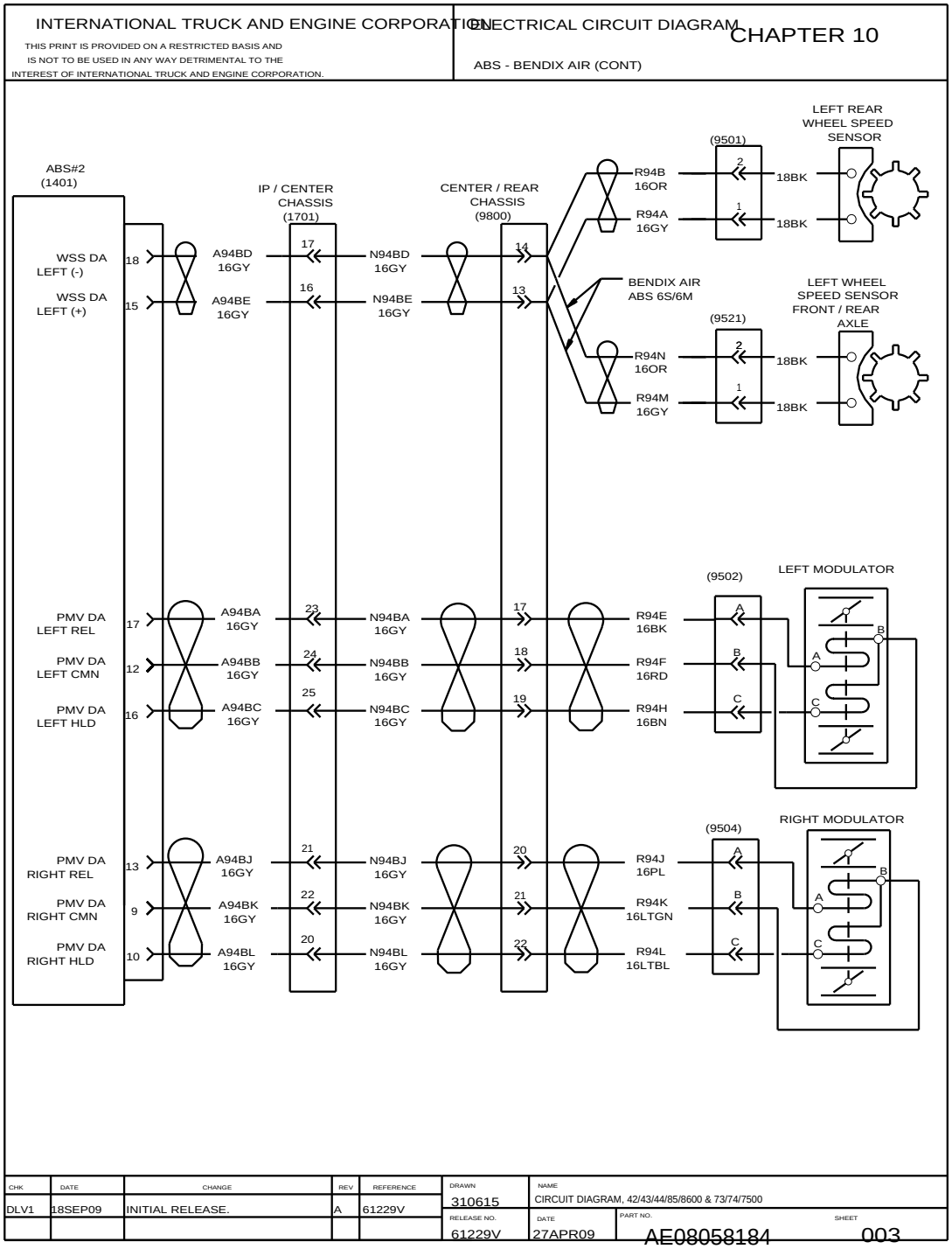


Figure 149 ABS — Bendix Air (Cont.)

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10.4. ABS — WABCO AIR, P. 4

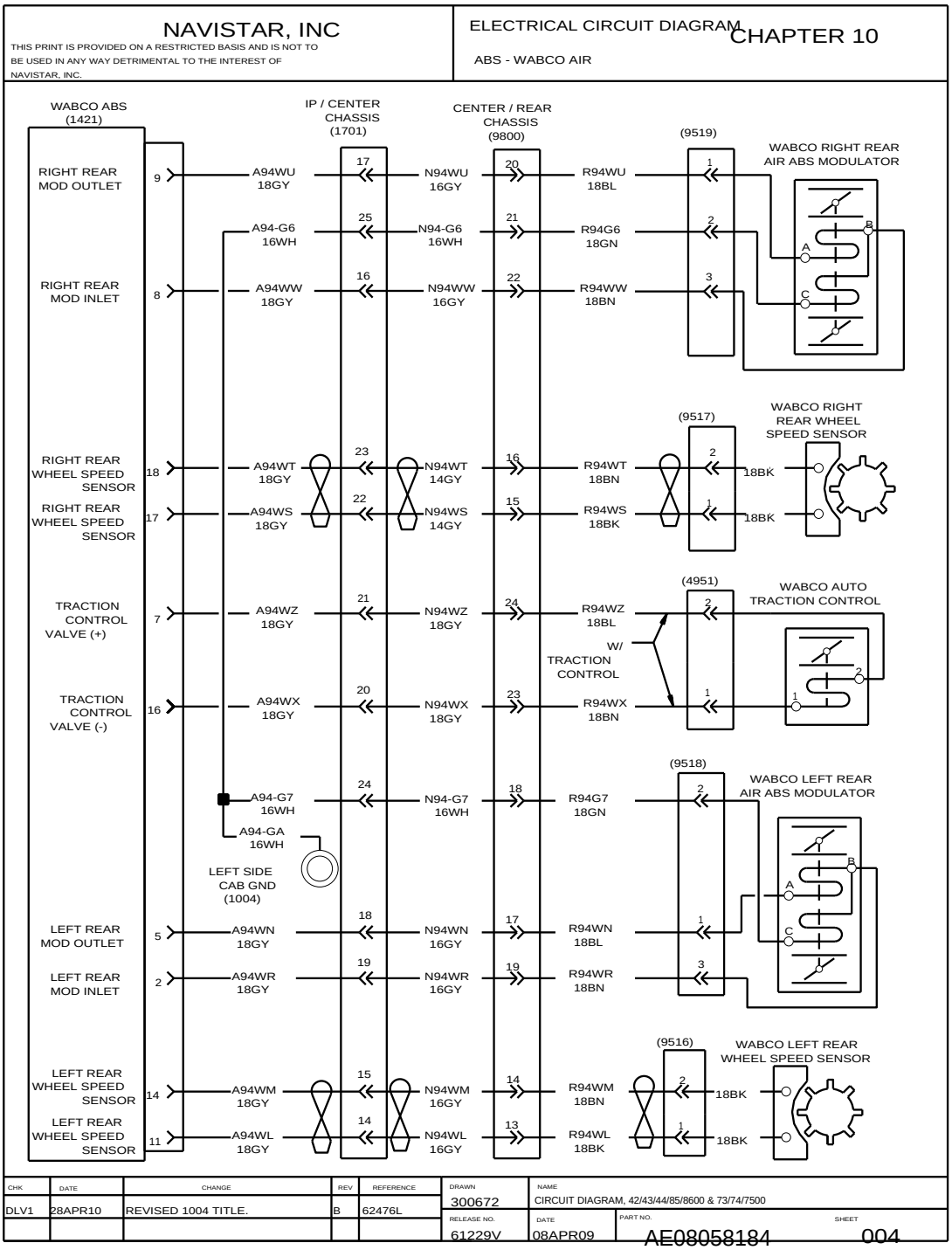


Figure 150 ABS — Wabco Air

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10.5. ABS — WABCO AIR, P. 5

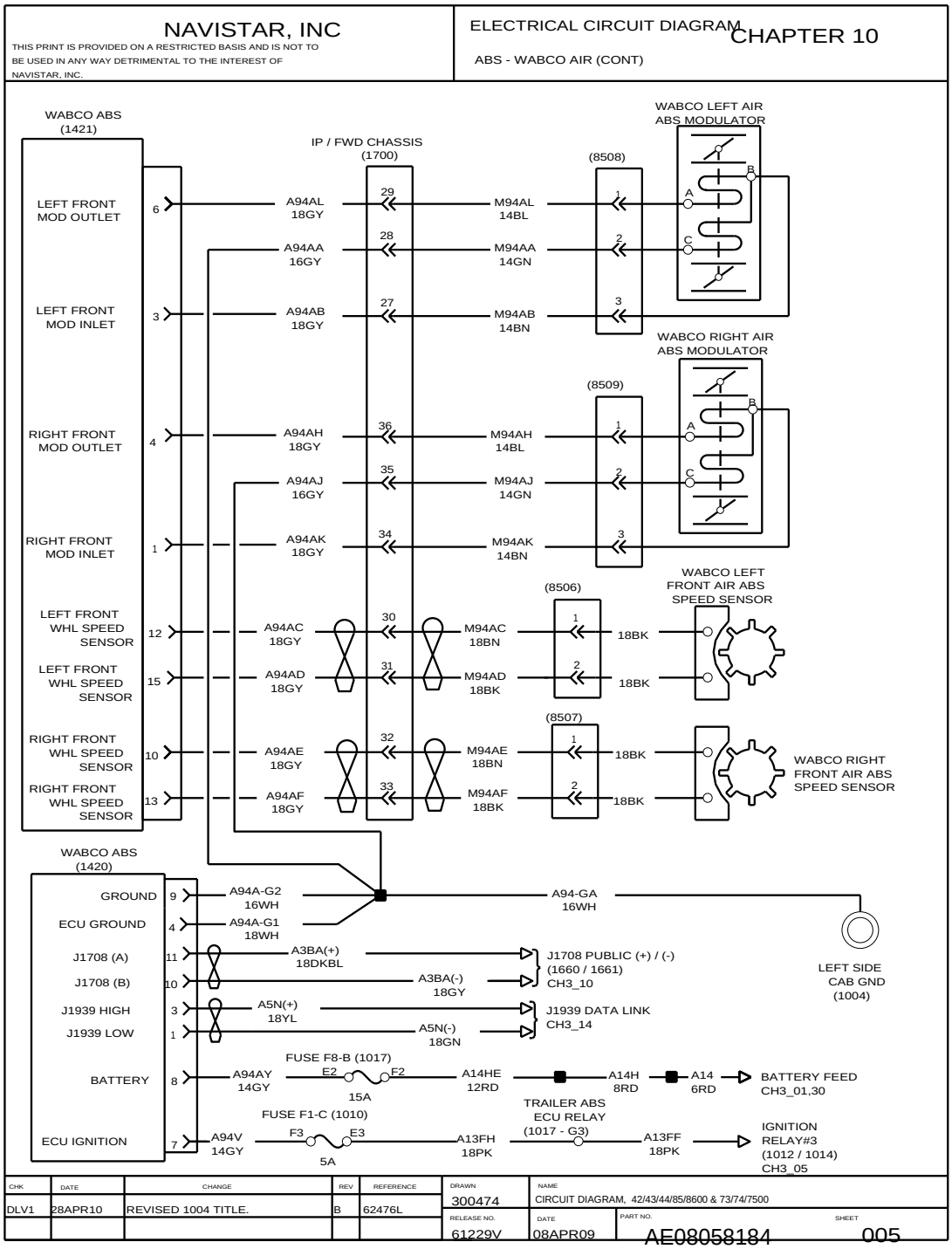


Figure 151 ABS — Wabco Air (Cont.)

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10.6. WABCO FULL POWER BRAKES, P. 6

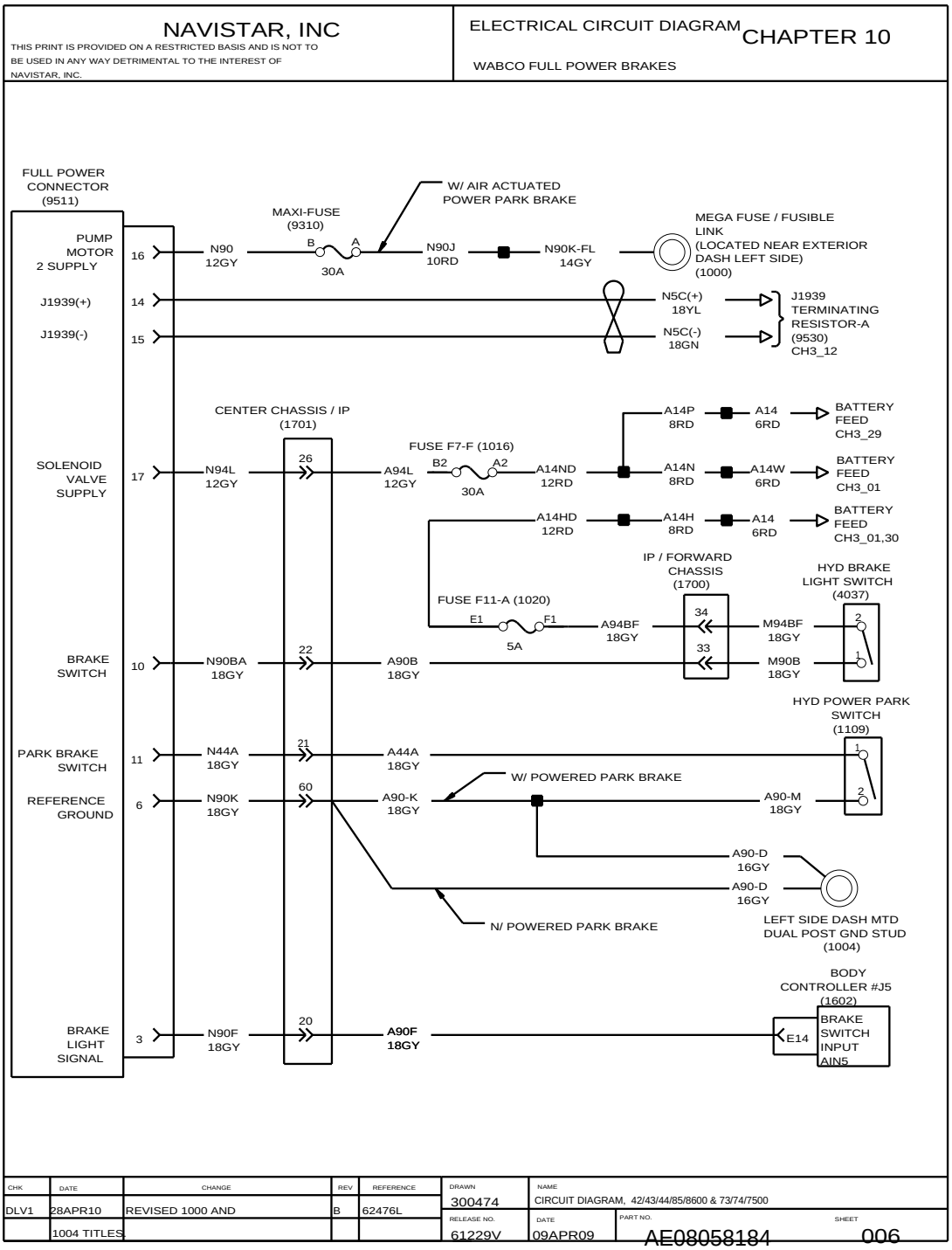


Figure 152 Wabco Full Power Brakes

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10.7. WABCO FULL POWER BRAKES, P. 7

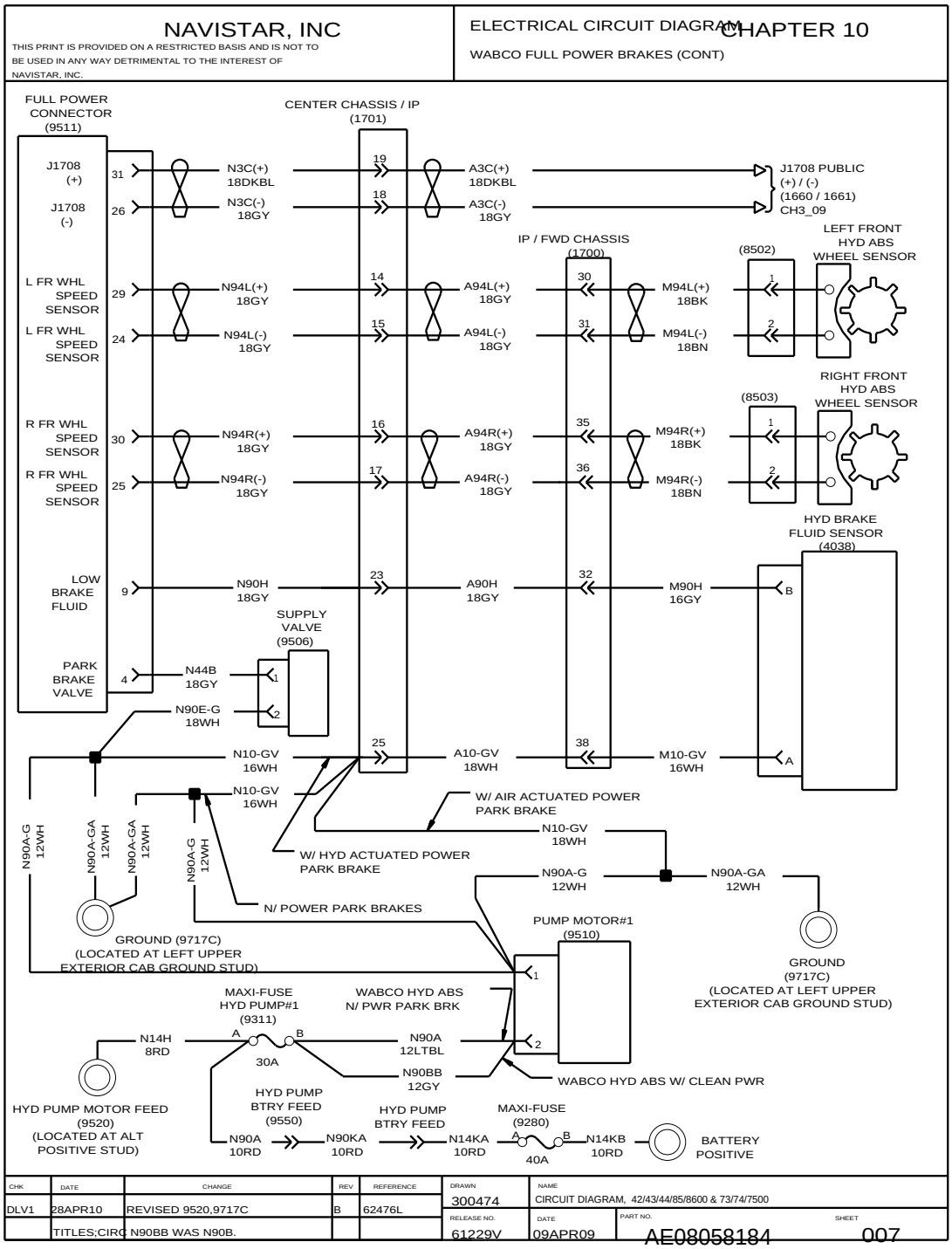


Figure 153 Wabco Full Power Brakes

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10.8. WABCO FULL POWER BRAKES, P. 8

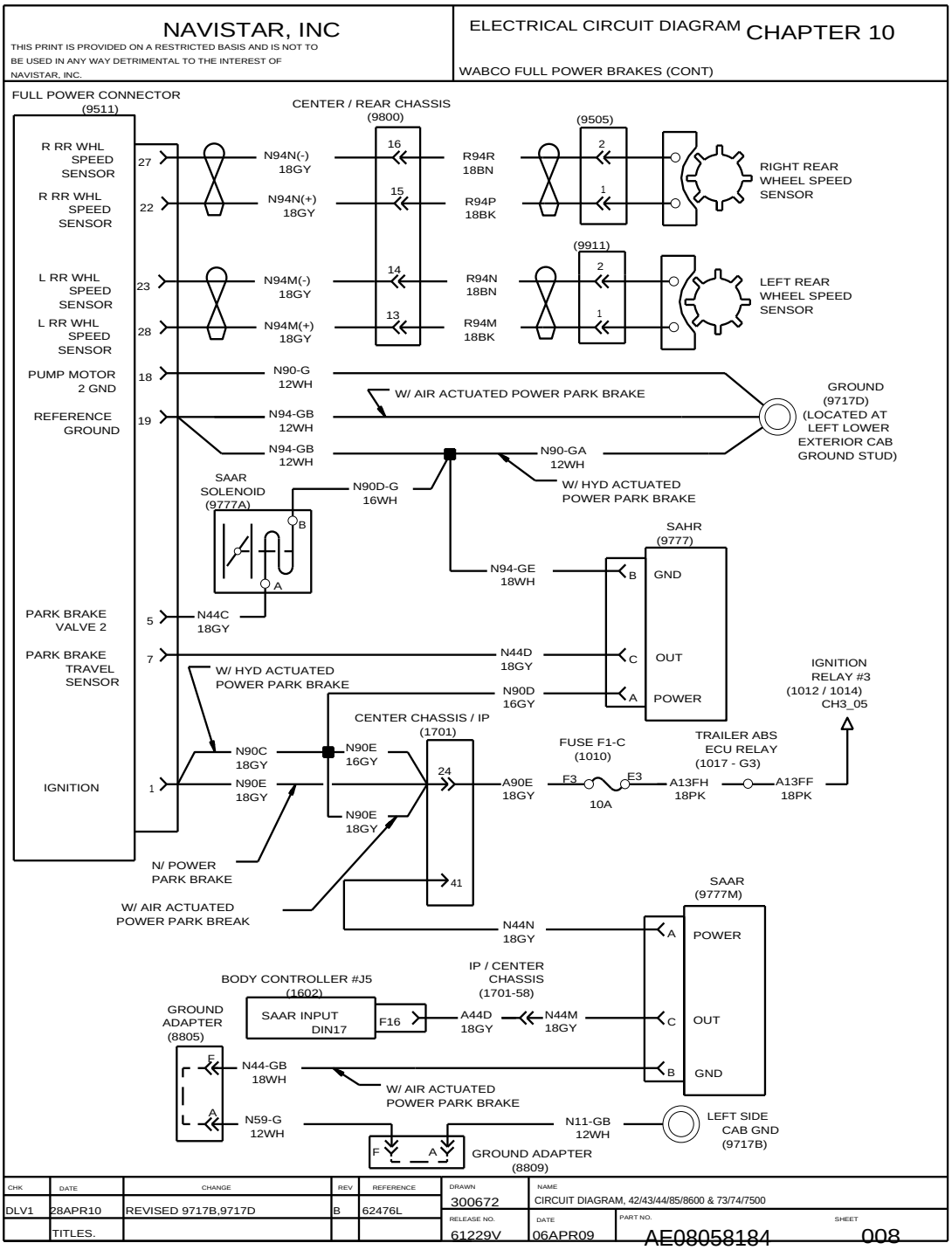


Figure 154 Wabco Full Power Brakes (Cont.)

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

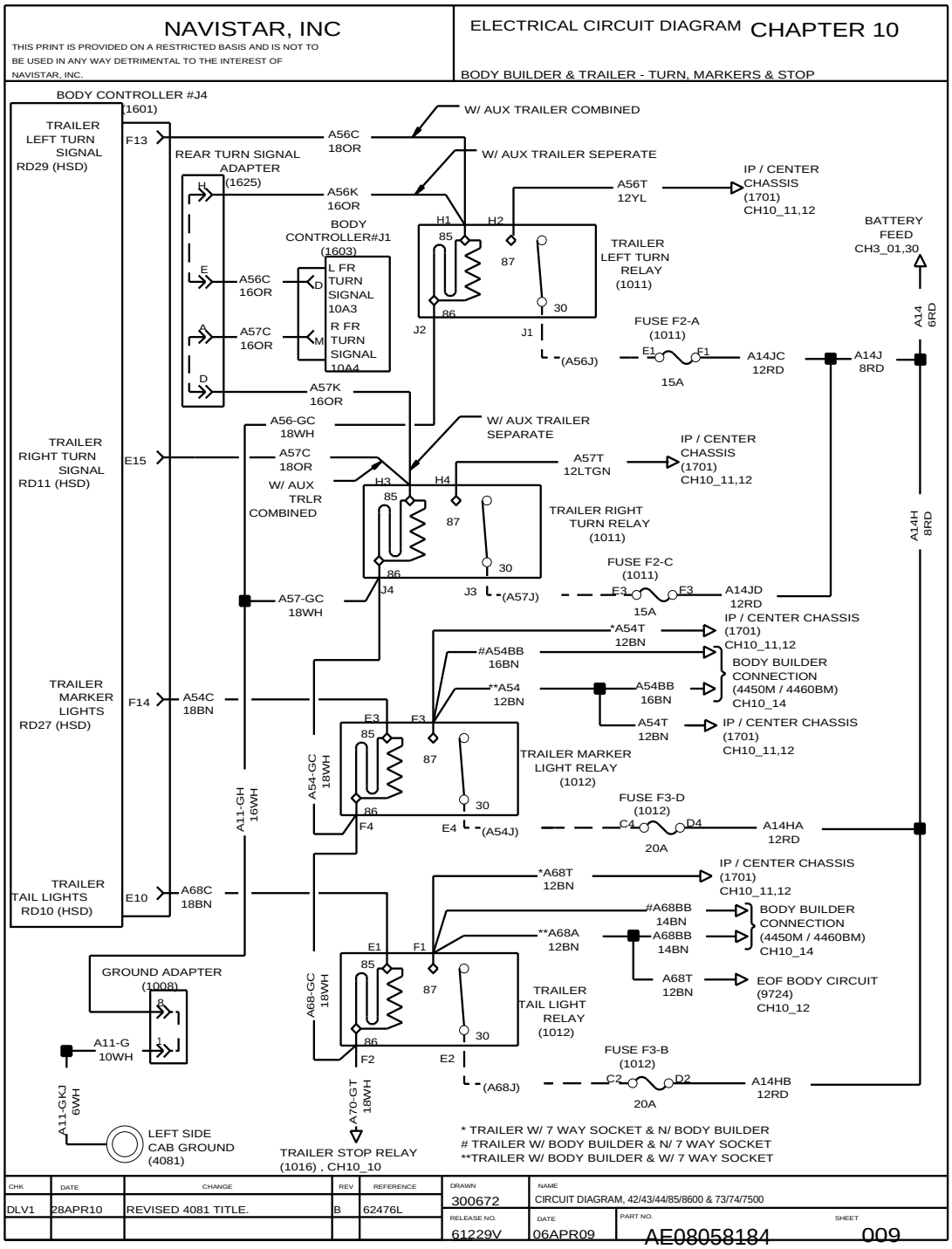


Figure 155 Body Builder and Trailer — Turn, Markers and Stop

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

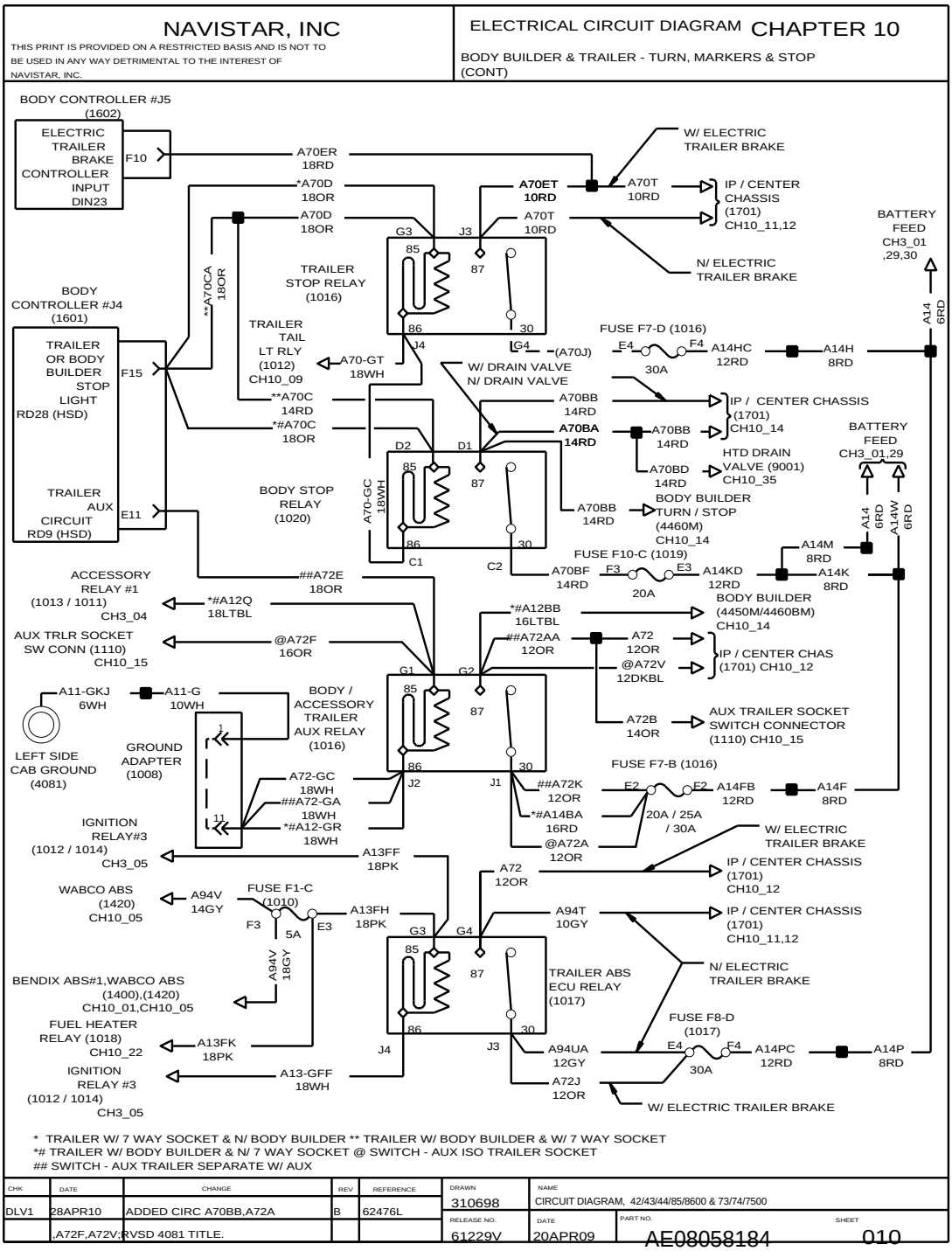


Figure 156 Body Builder and Trailer — Turn, Markers and Stop (Cont.)

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

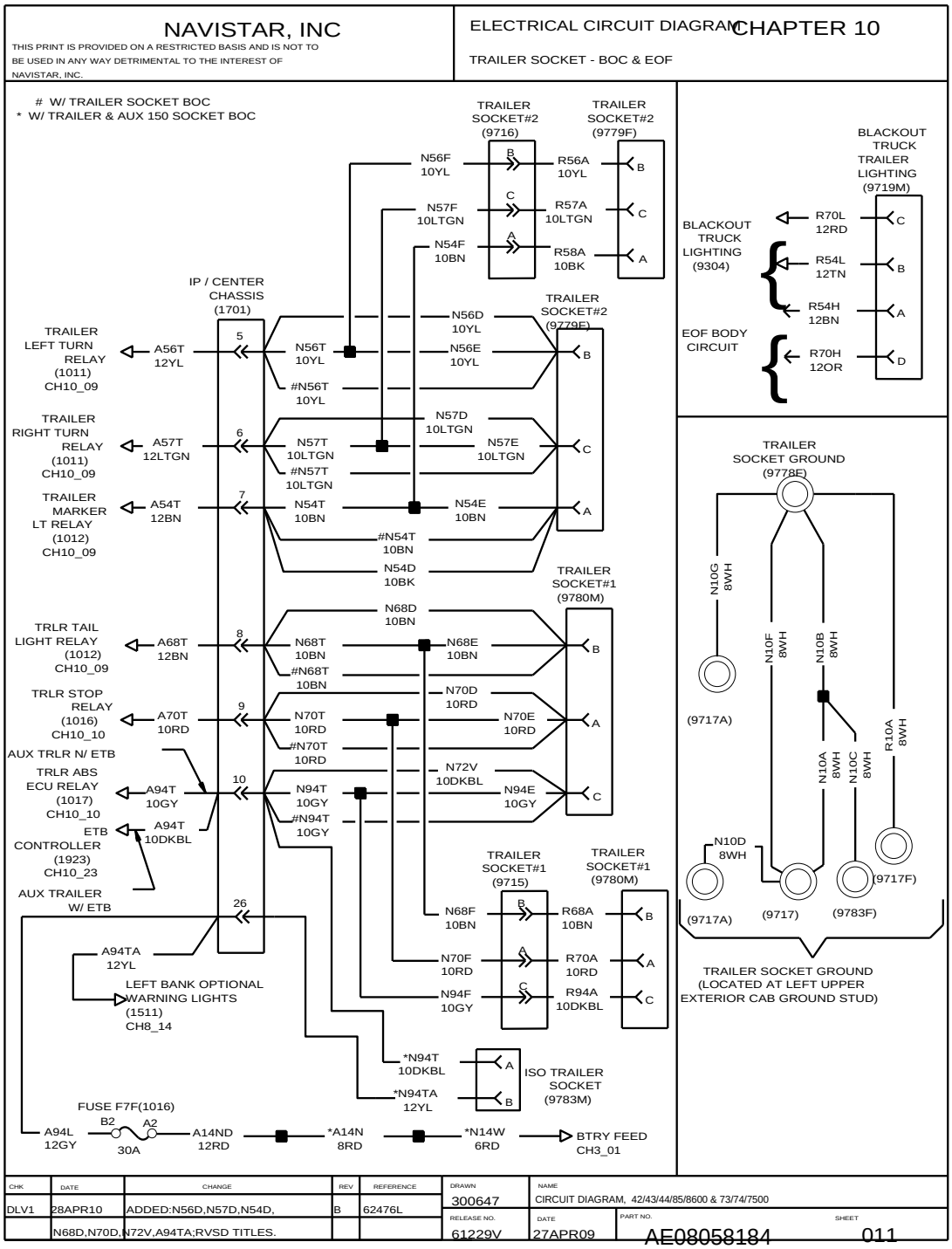


Figure 157 Trailer Socket — BOC and EOF

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

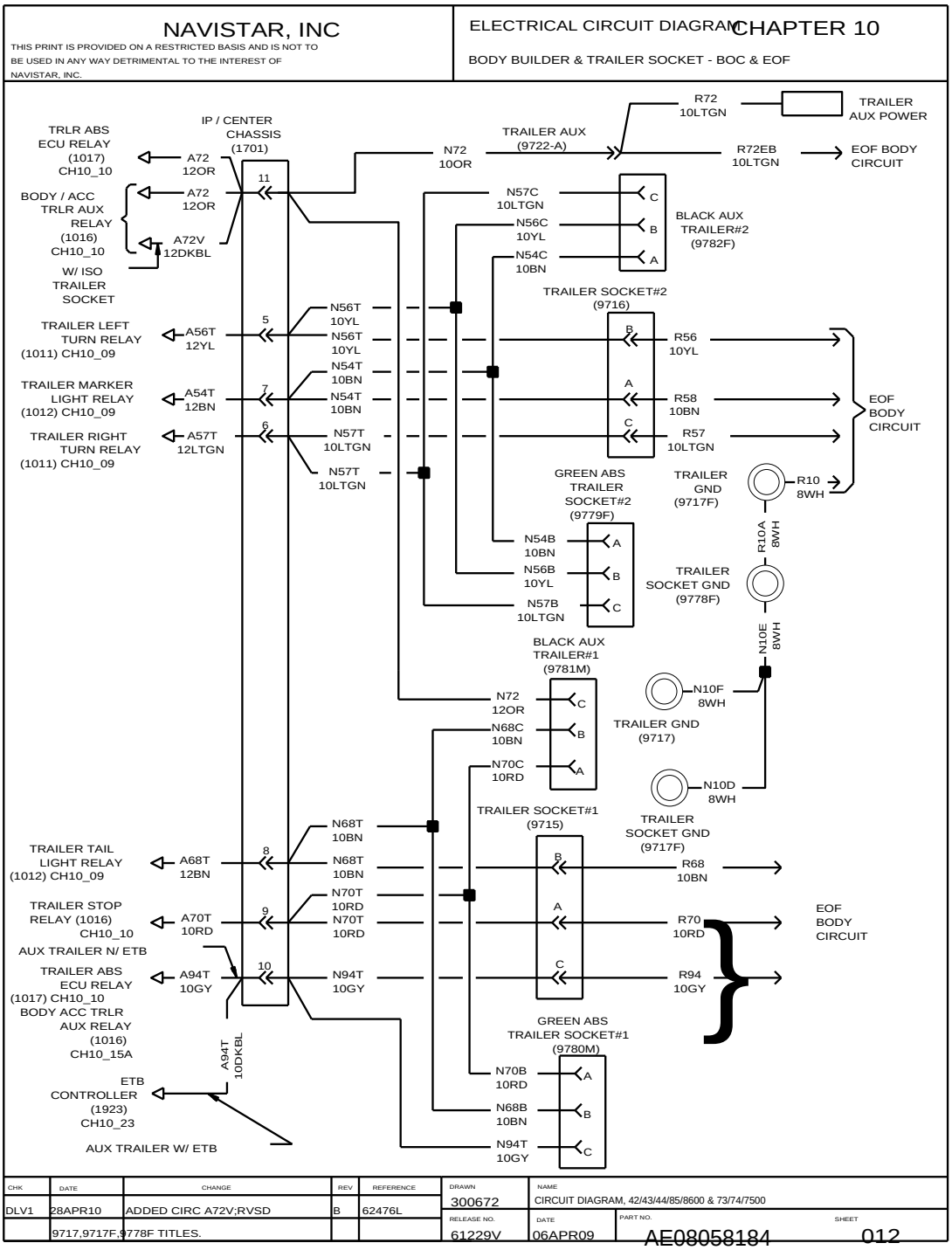


Figure 158 Body Builder and Trailer Socket — BOC and EOF

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10.13. 12V TRAILER SOCKET, P. 12A

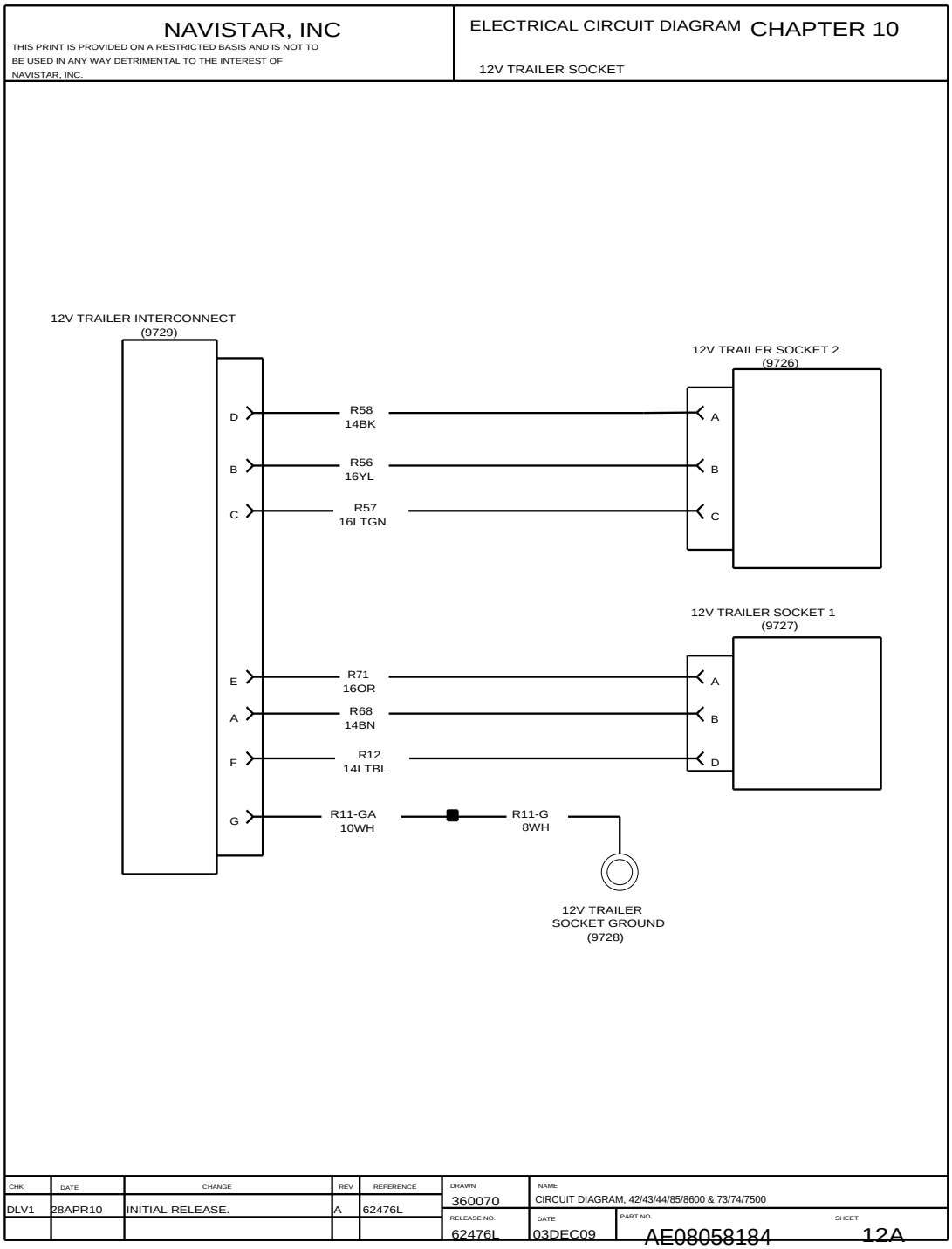


Figure 159 12V Trailer Socket

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10.14. BODY BUILDER PRE-WIRING, P. 13

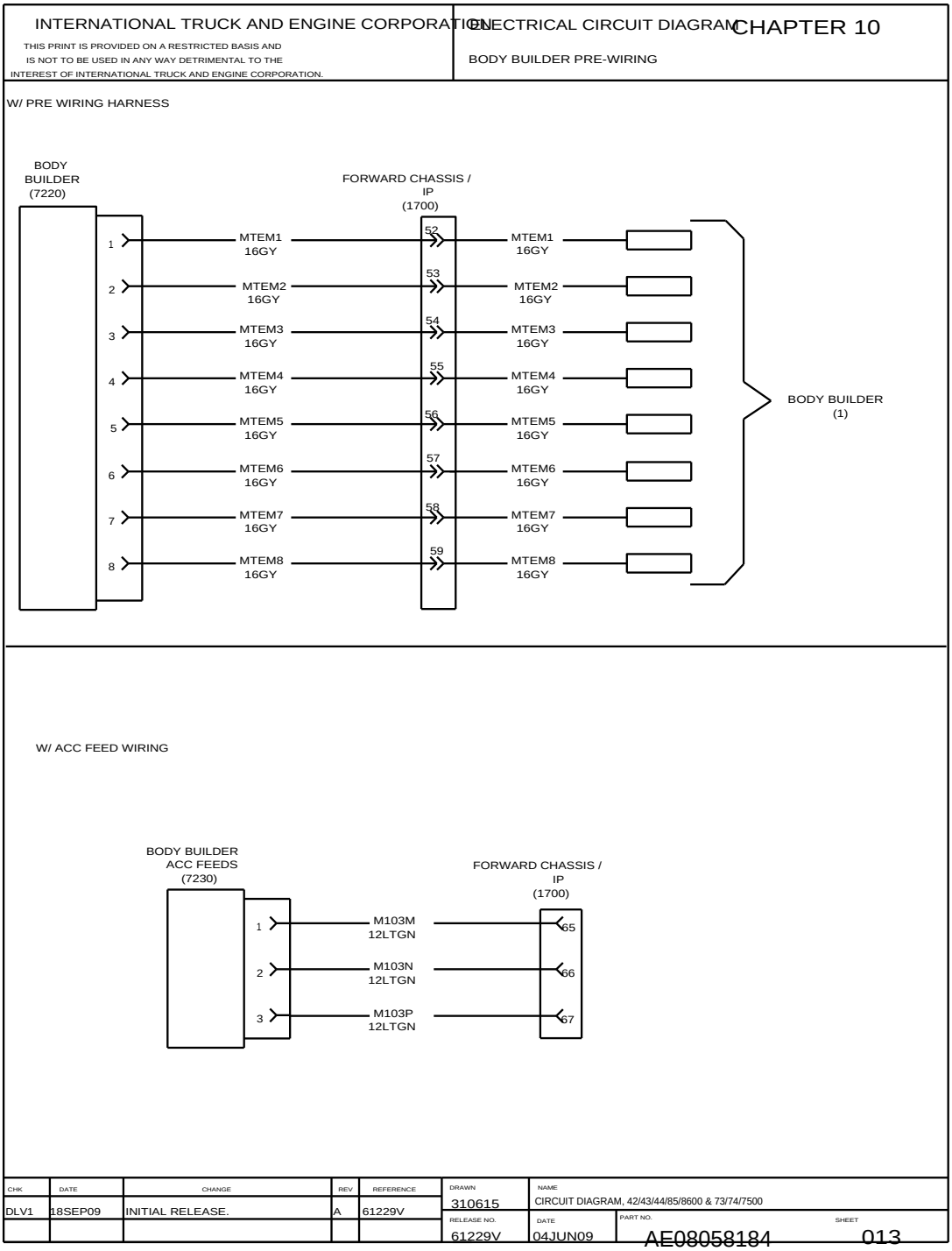


Figure 160 Body Builder Pre-Wiring

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10.15. BODY BUILDER CONNECTIONS, P. 14

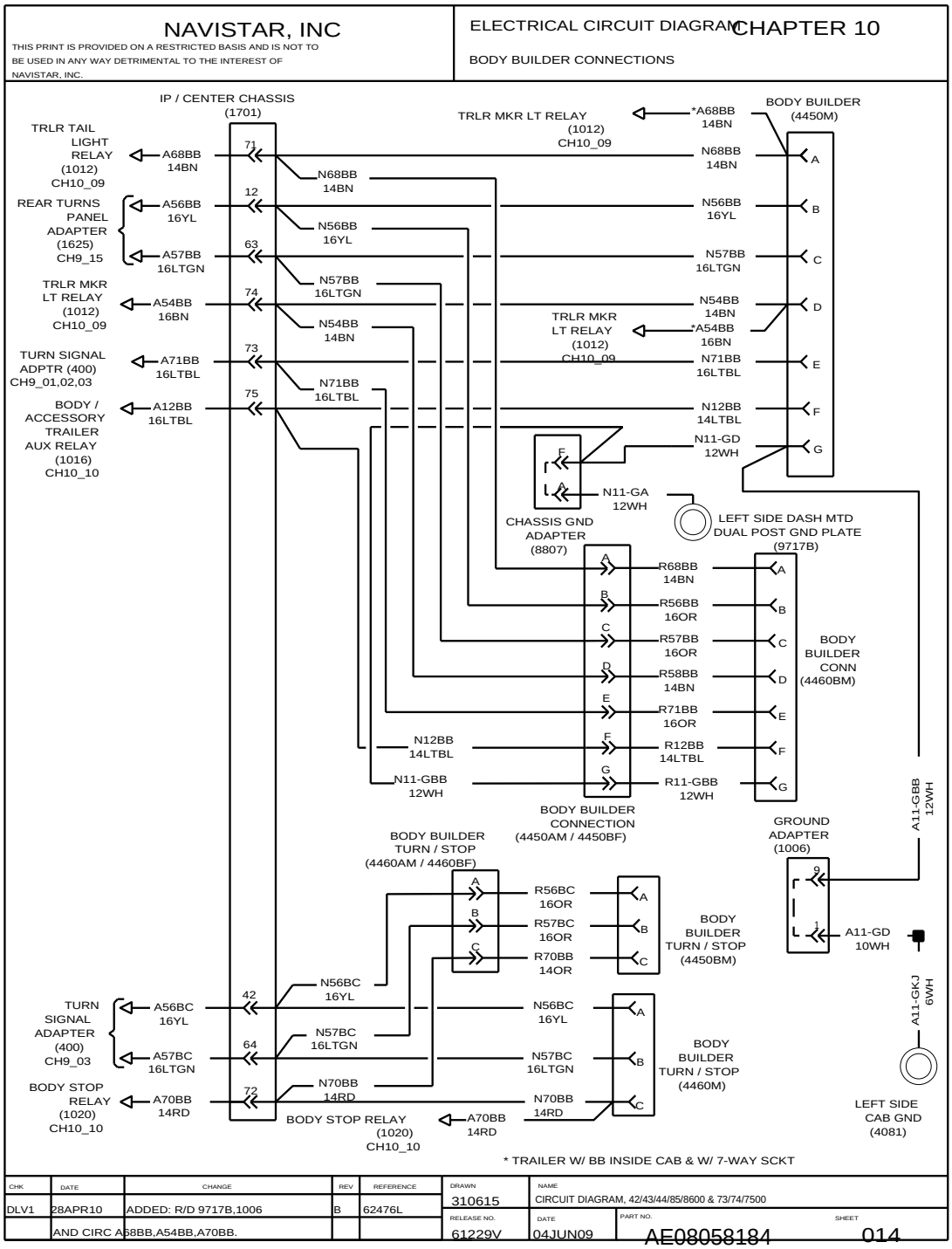


Figure 161 Body Builder Connections

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10.16. AUX TRAILER CIRCUIT, P. 15

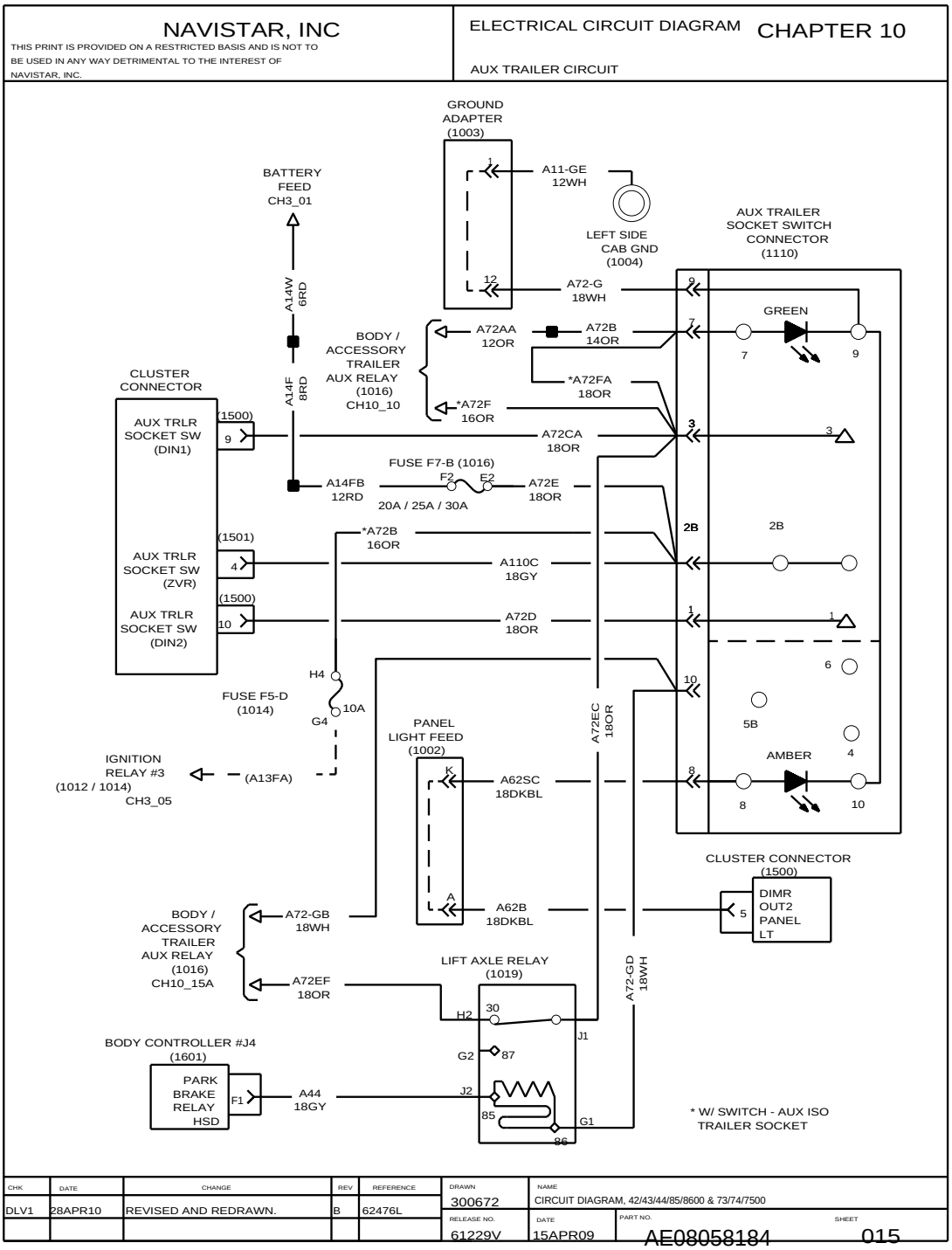


Figure 162 Aux Trailer Circuit

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10.17. SWITCH — AUX TRAILER SEPARATE, P. 15A

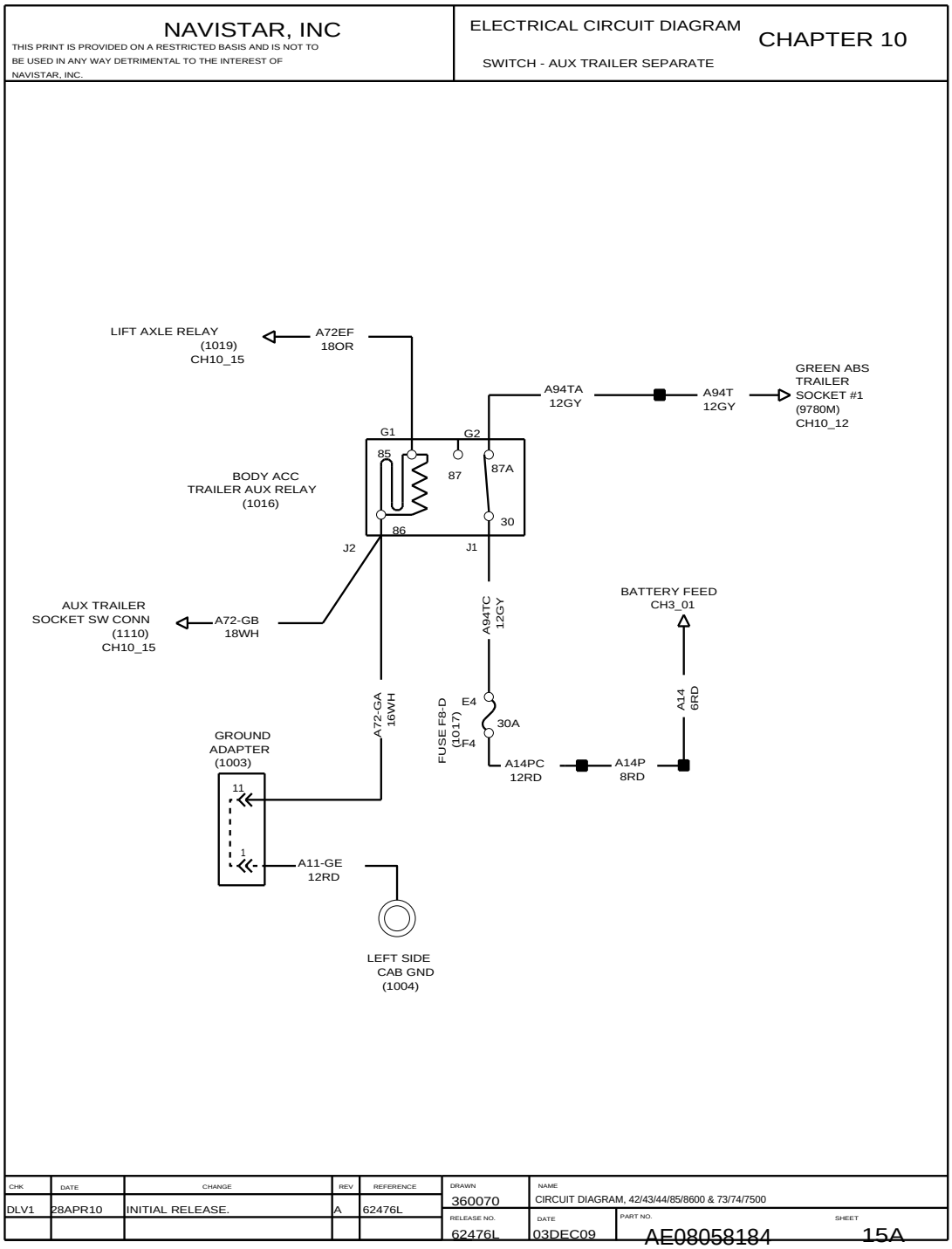


Figure 163 Switch — Aux Trailer Separate

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10.18. TWO SPEED AXLE SWITCH, P. 16

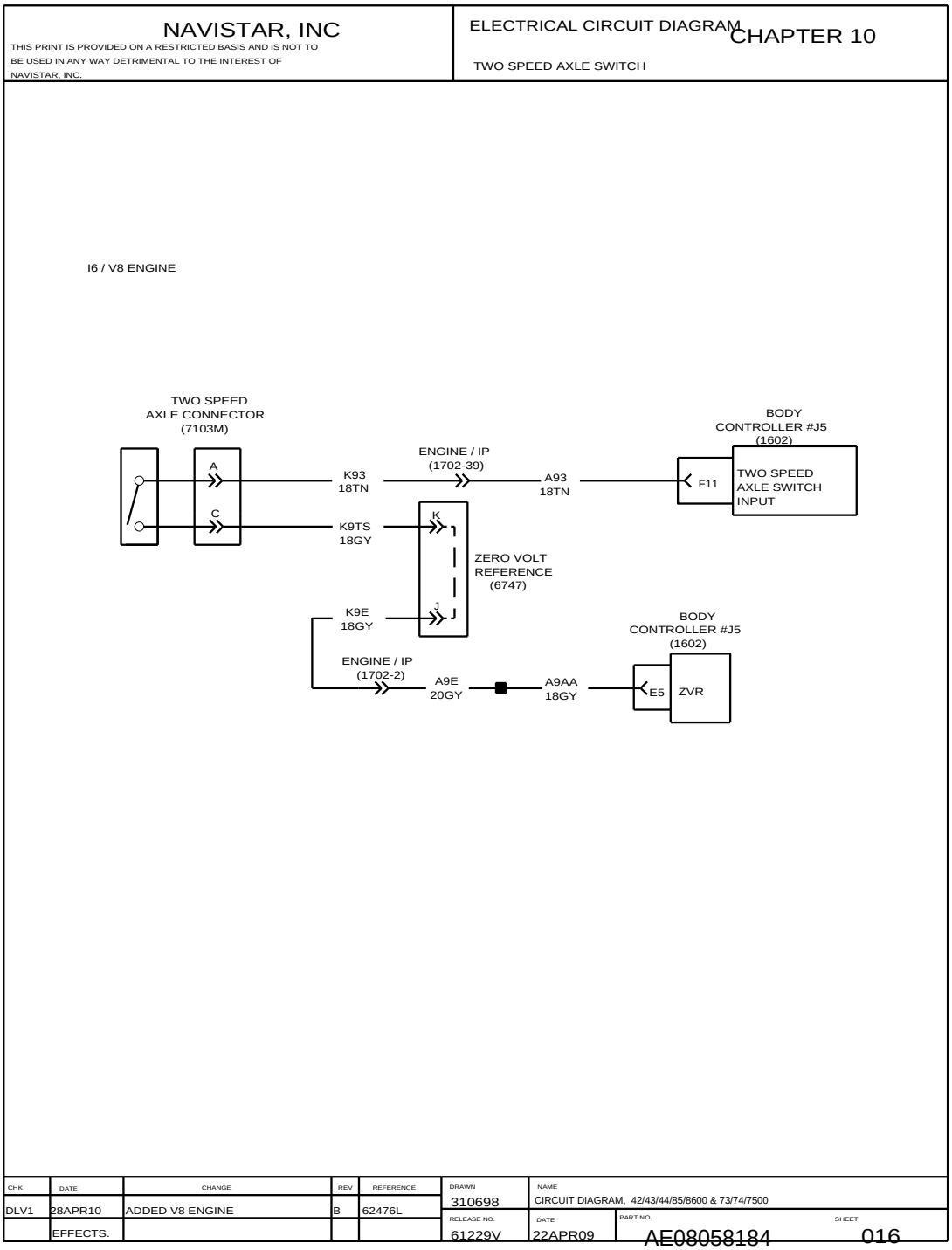


Figure 164 Two Speed Axle Switch

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10.19. AIR SOLENOID, P. 17

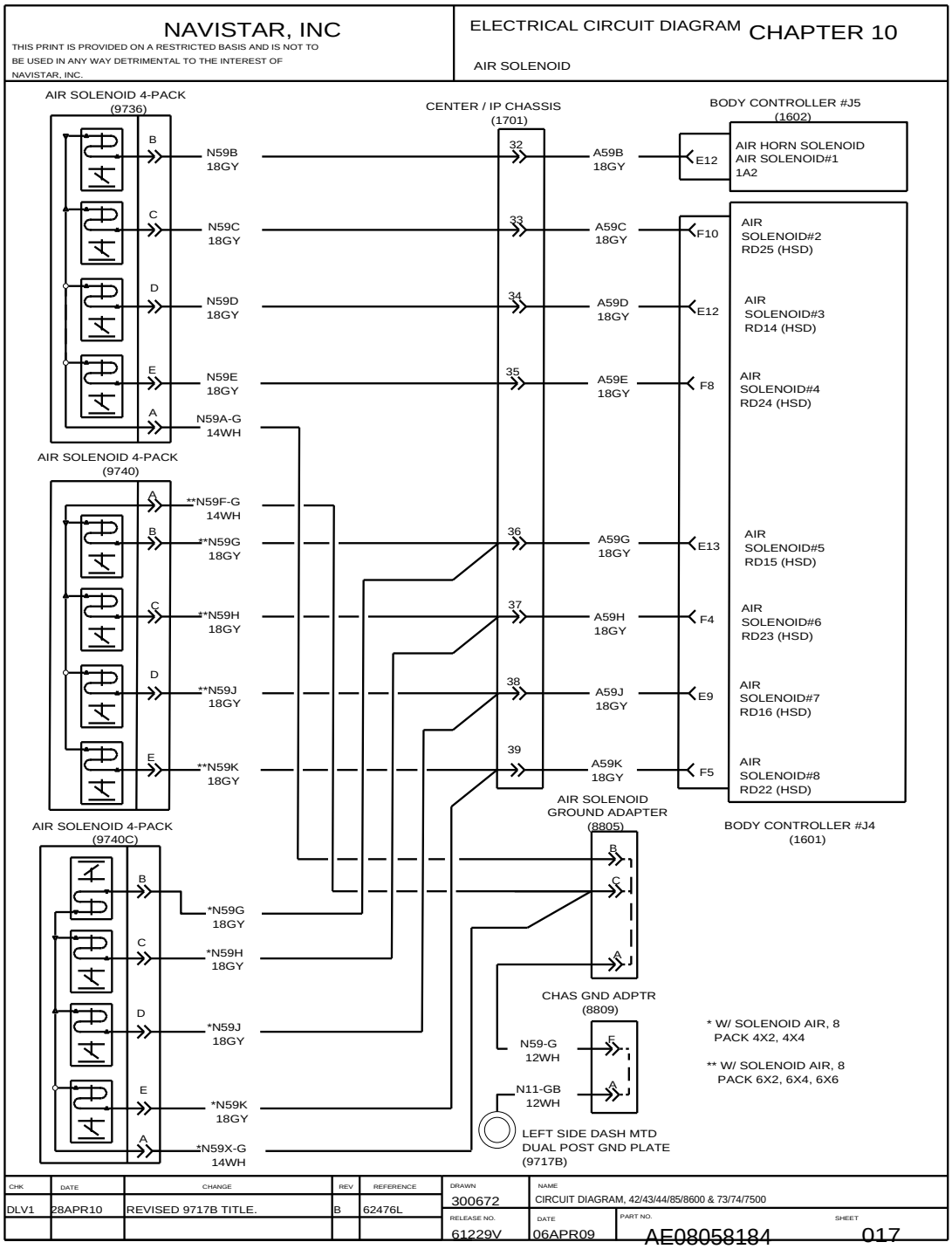


Figure 165 Air Solenoid

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10.20. AIR SOLENOID, P. 18

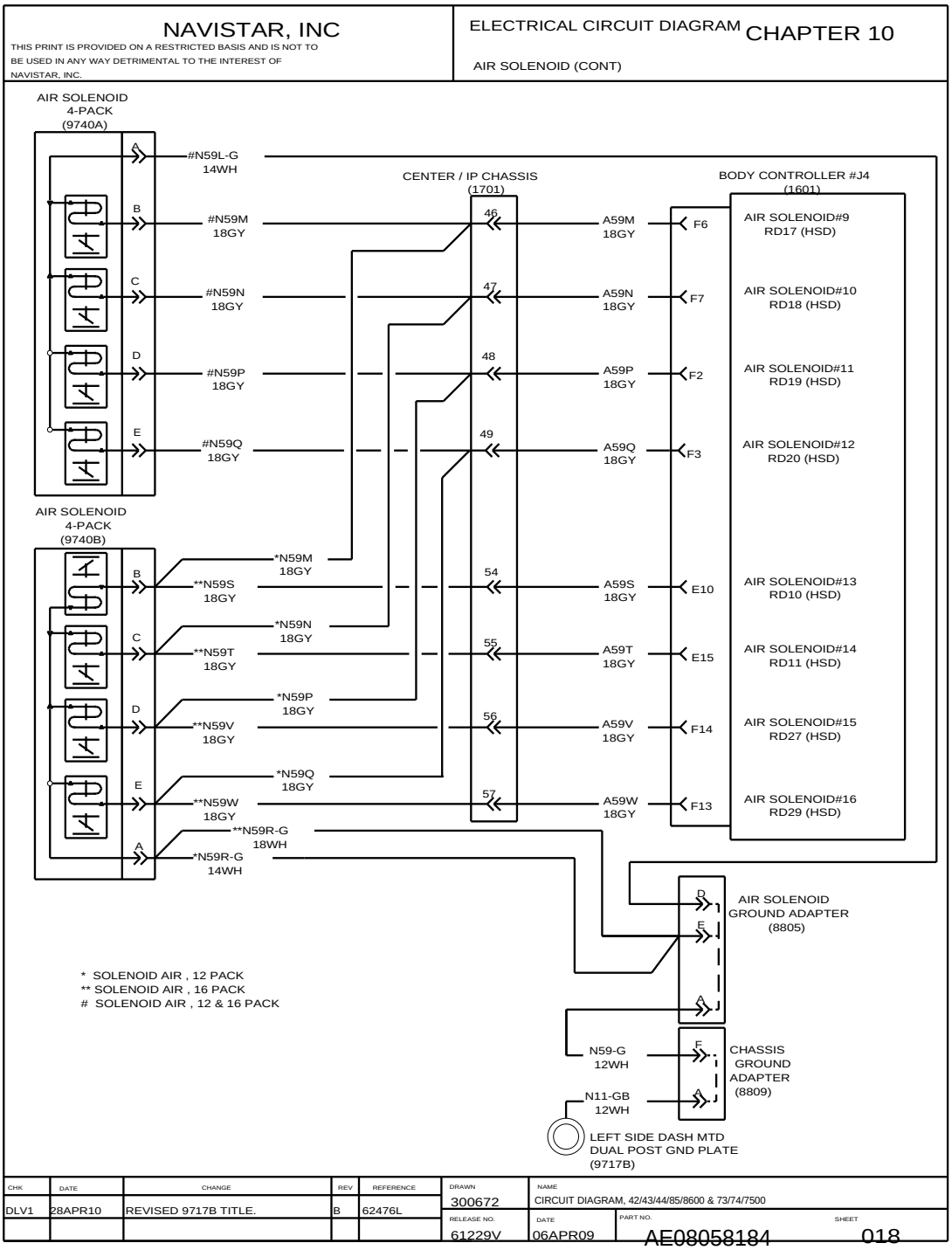


Figure 166 Air Solenoid (Cont.)

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10.21. REMOTE POWER MODULE — BATTERY BOX MOUNTED, P. 19

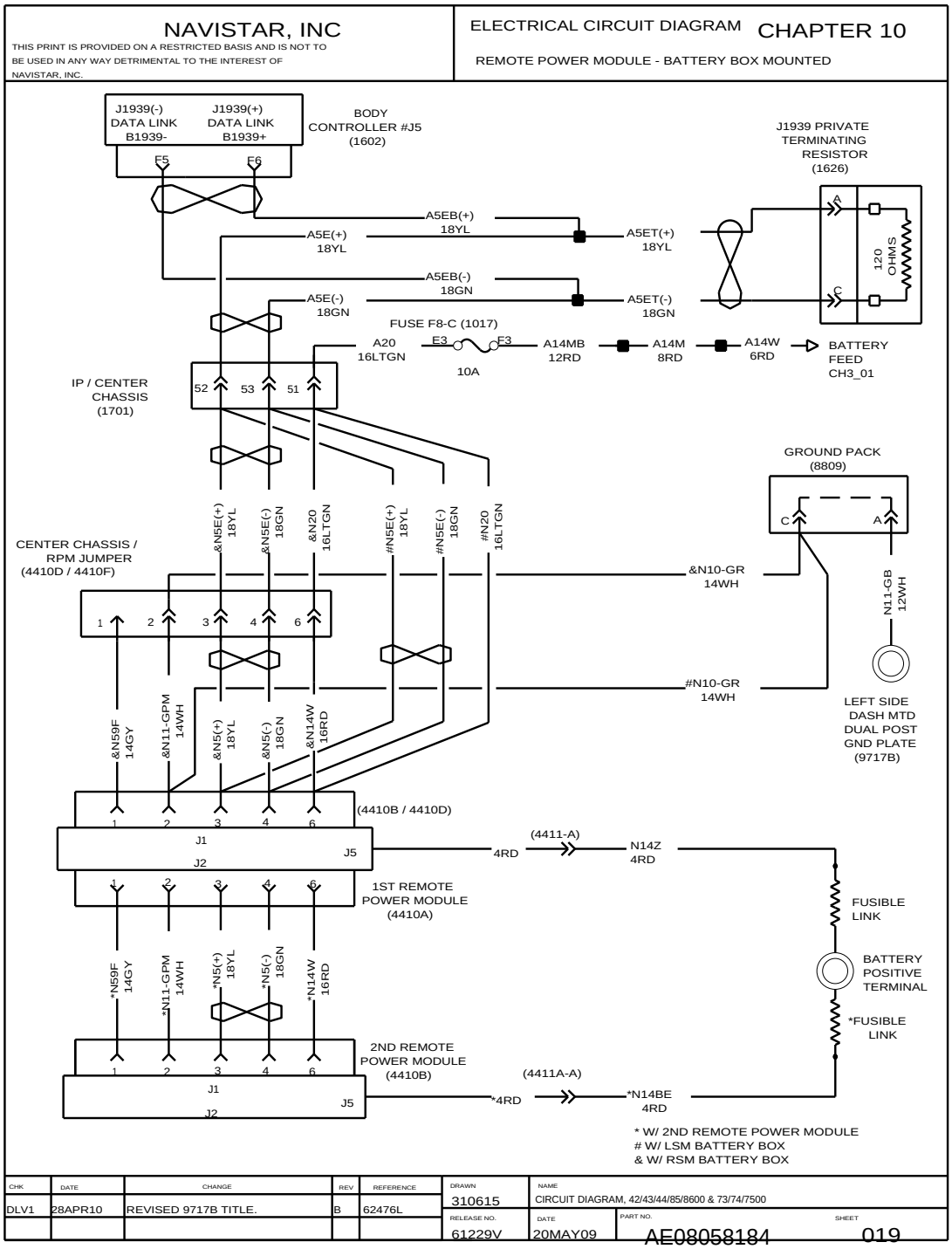


Figure 167 Remote Power Module — Battery Box Mounted

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10.22. REMOTE POWER MODULE — CAB MOUNTED, P. 20

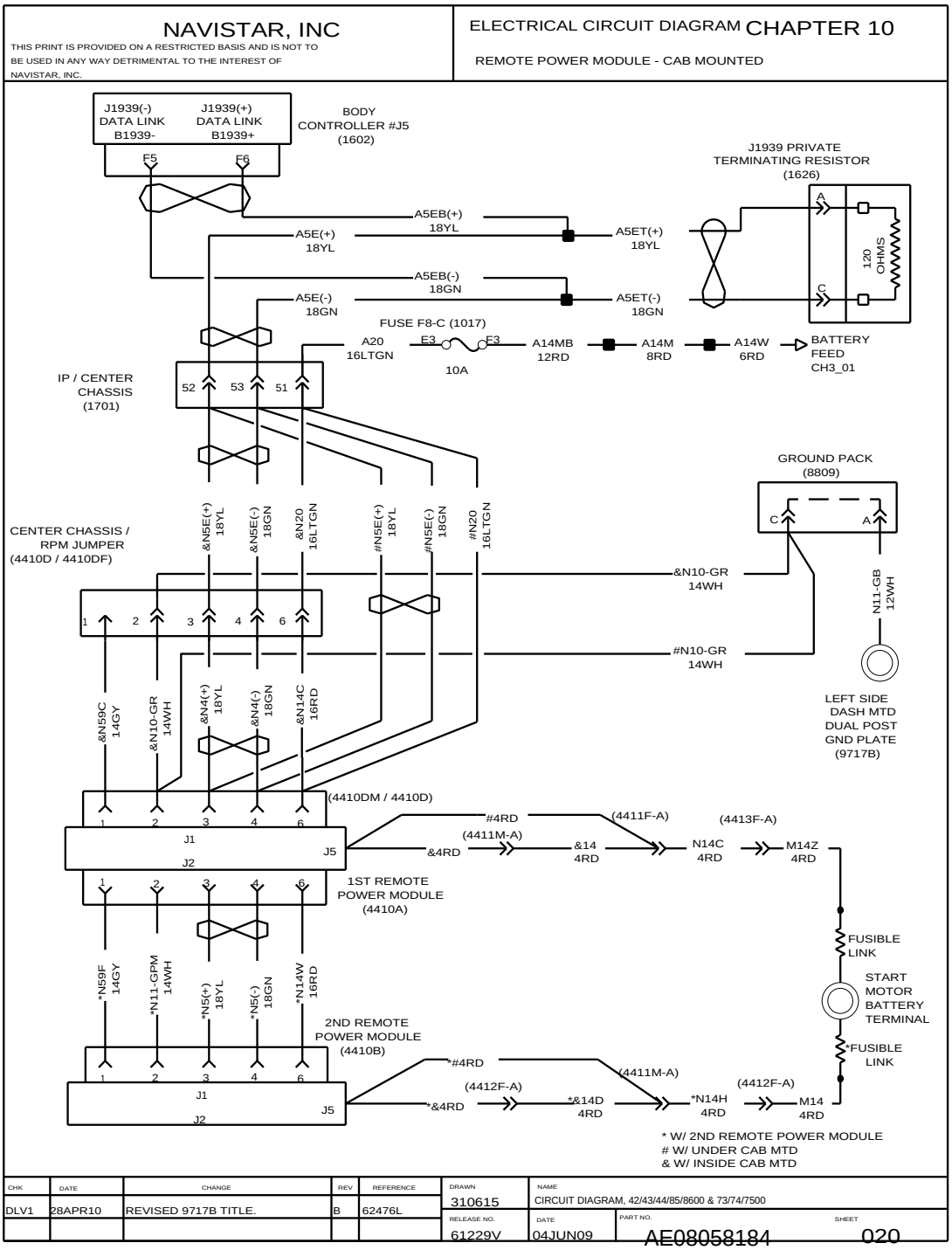


Figure 168 Remote Power Module — Cab Mounted

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10.23. REMOTE POWER MODULE — END OF FRAME, P. 21

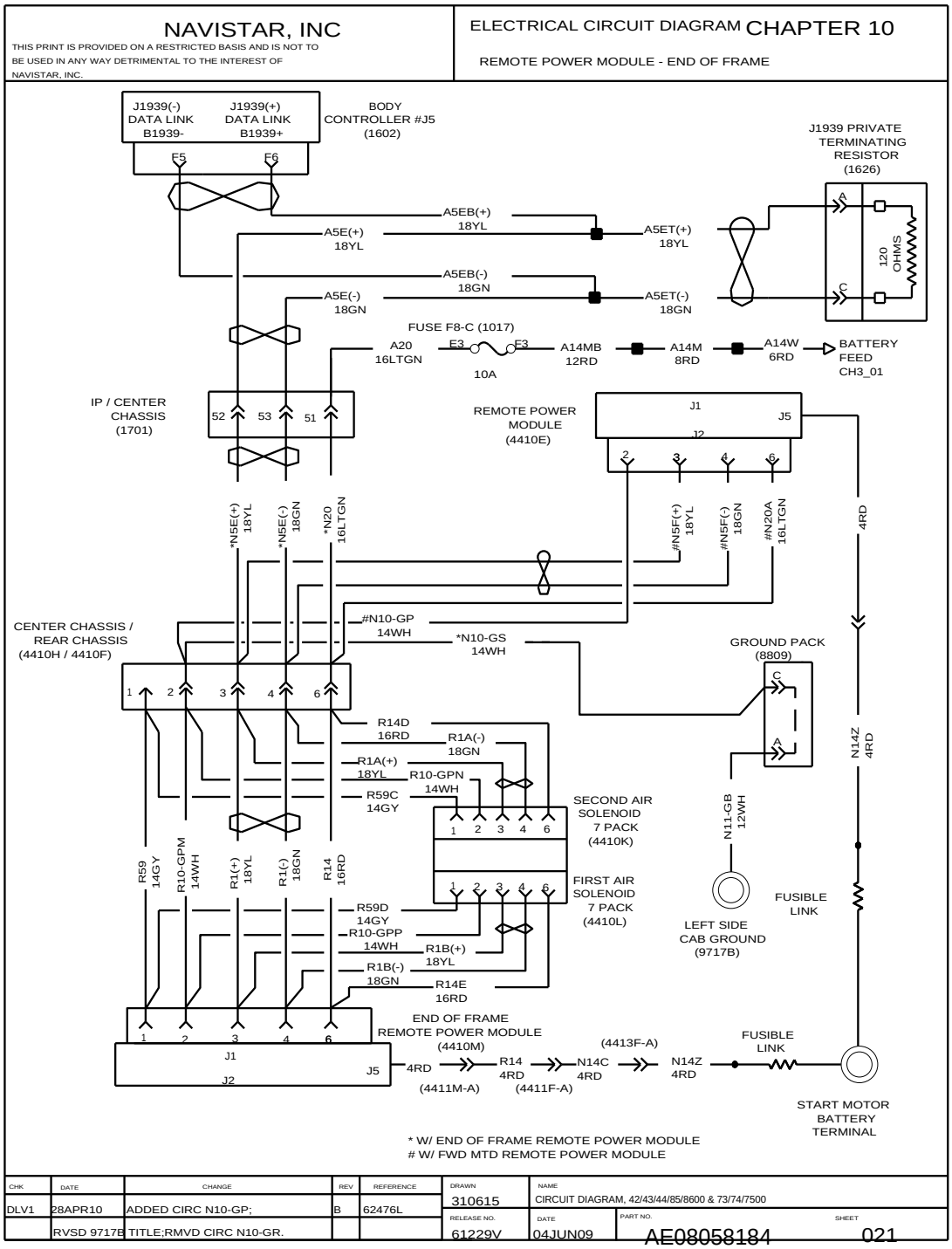


Figure 169 Remote Power Module — End of Frame

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10.24. FUEL/WATER SEPARATOR, P. 22

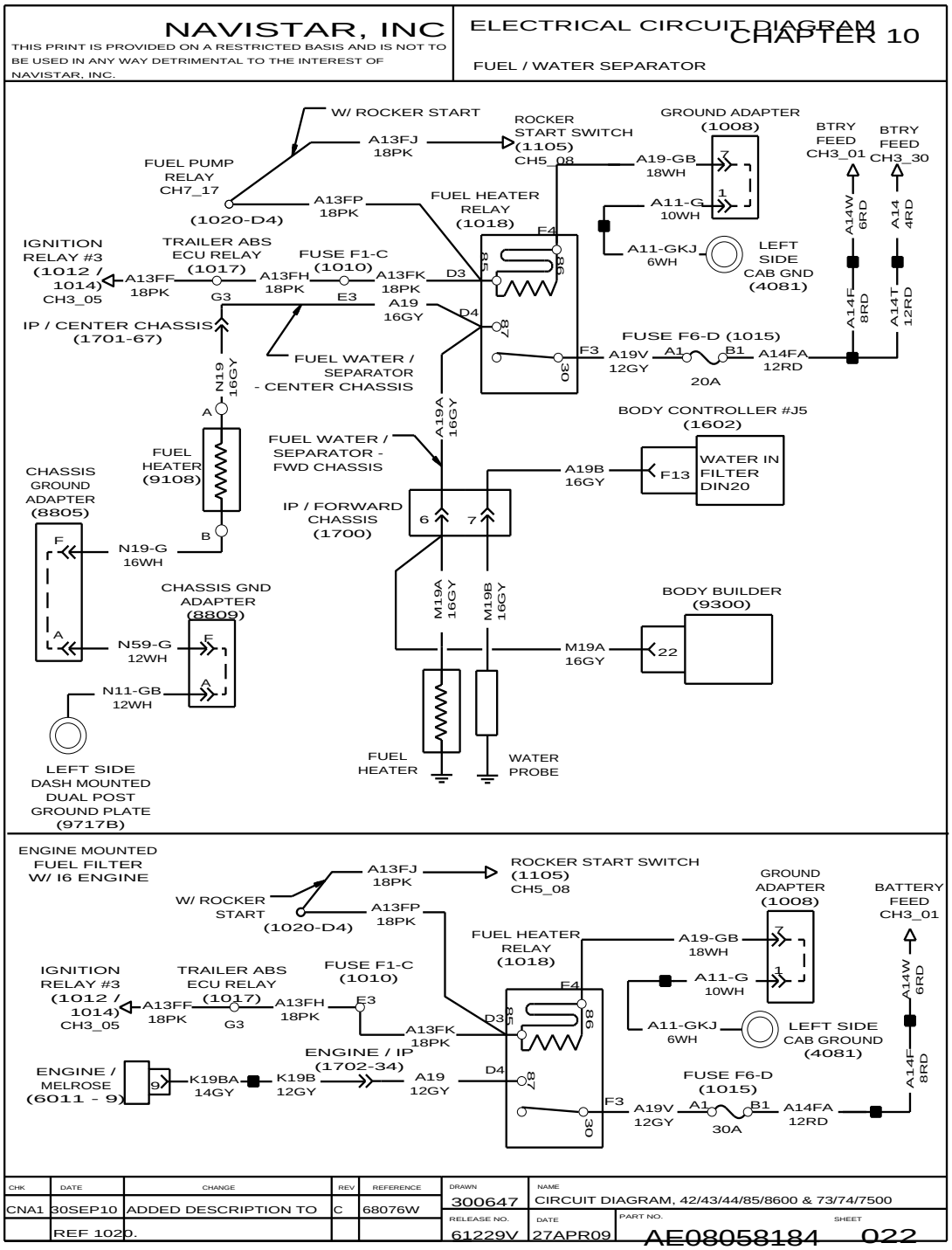


Figure 170 Fuel/Water Separator

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10.25. ELECTRIC TRAILER BRAKE, P. 23

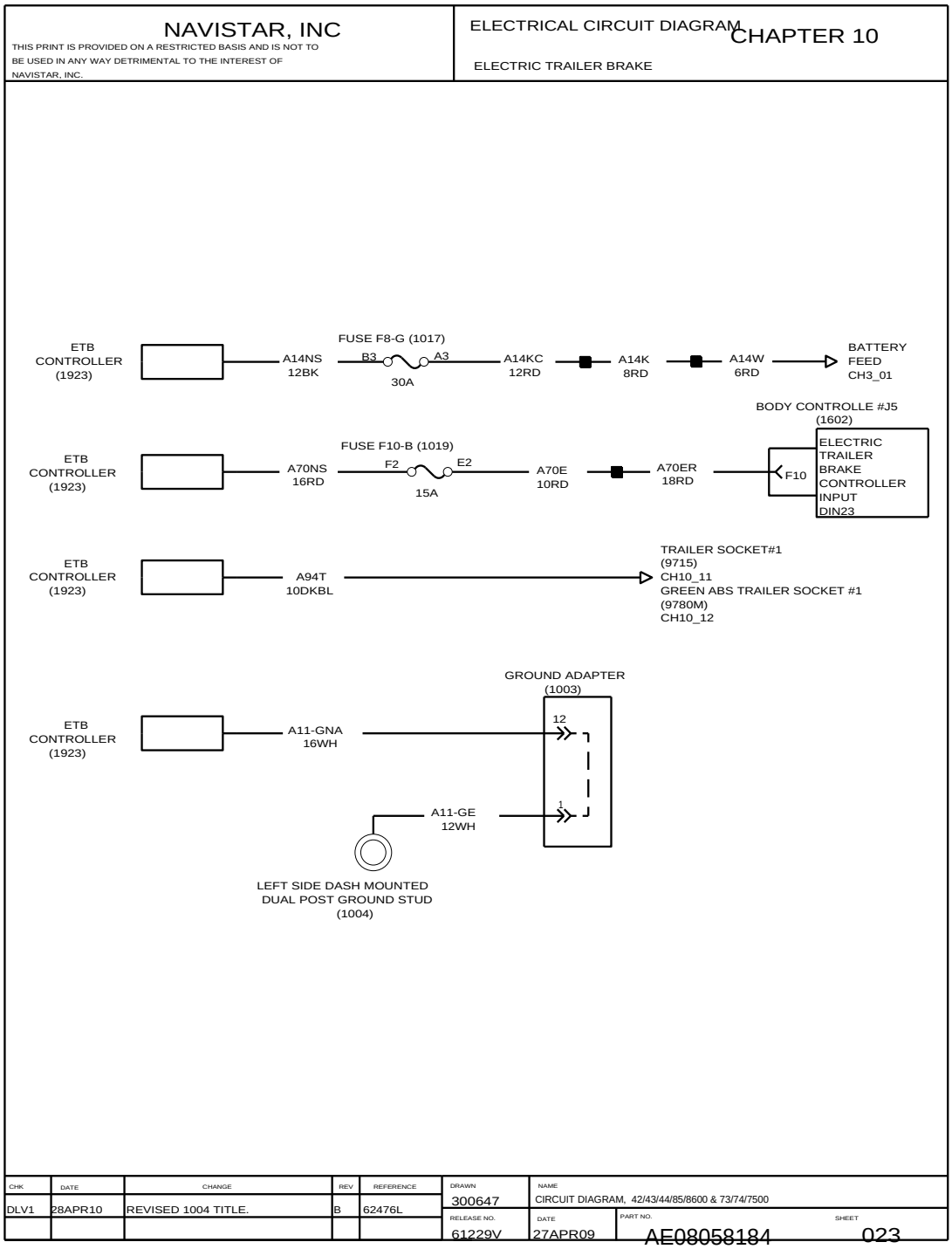


Figure 171 Electric Trailer Brake

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10.26. LECTRASHIFT ACCOMMODATION, P. 24

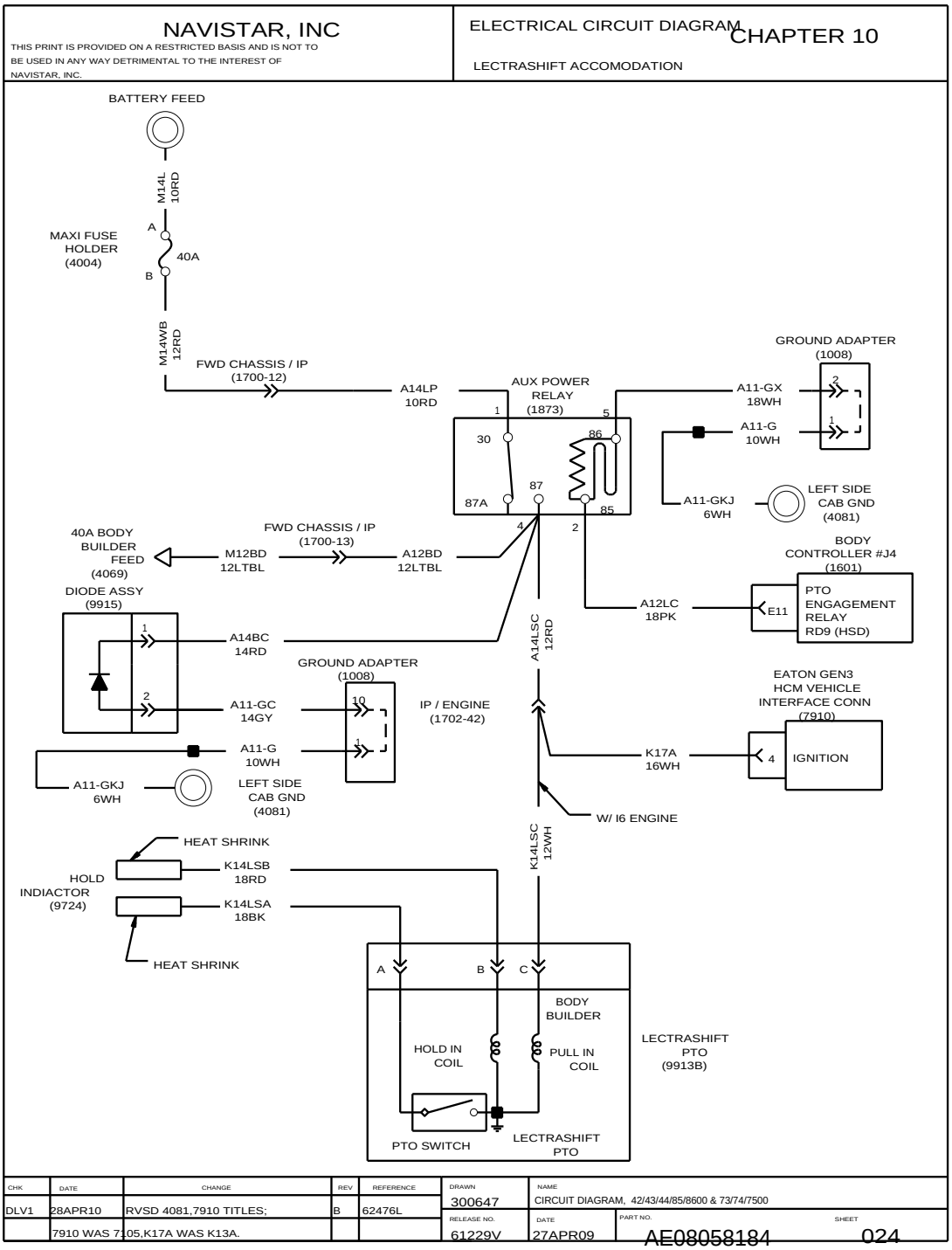


Figure 172 Lectrashift Accommodation

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10.27. HOUR METER — PTO, P. 25

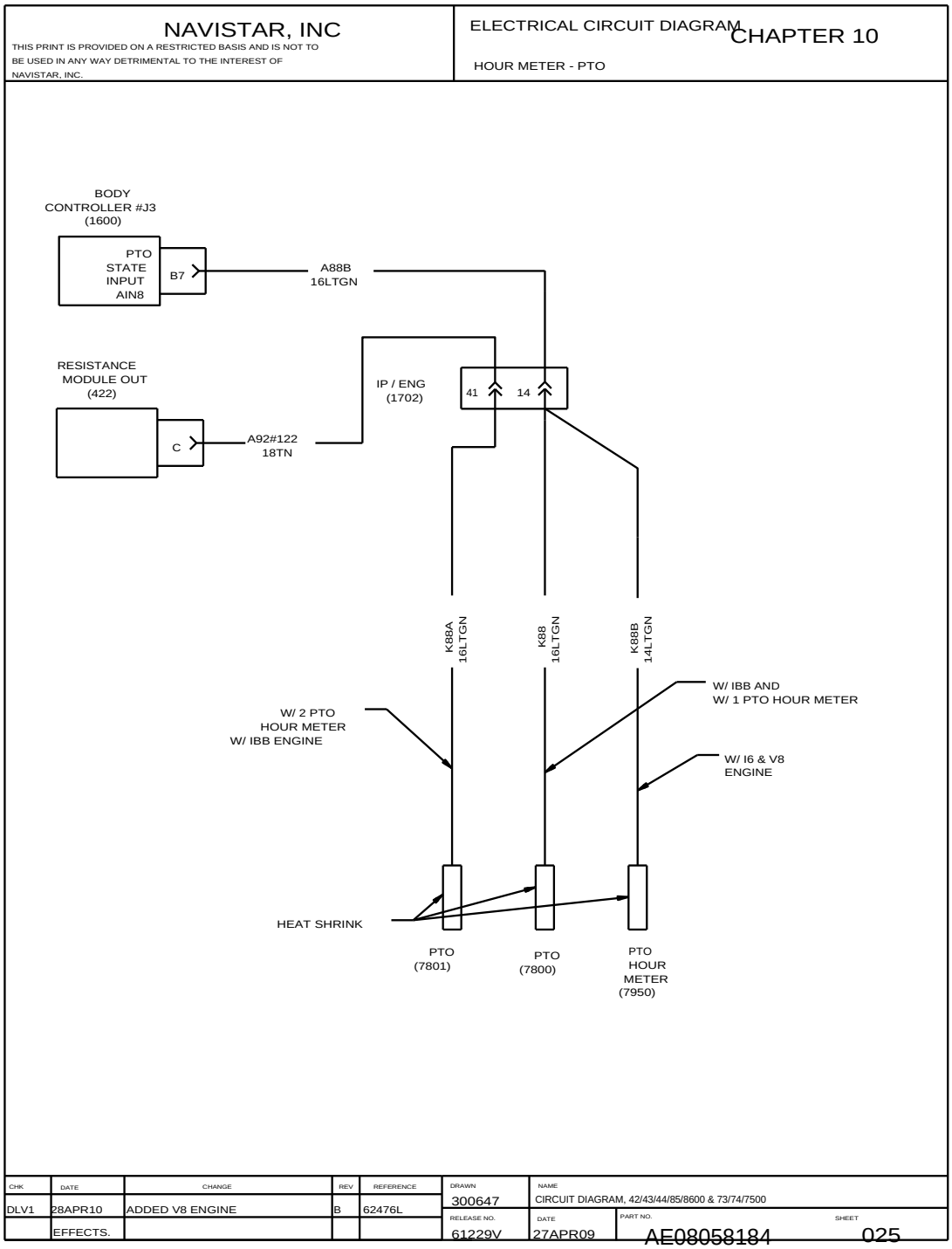


Figure 173 Hour Meter — PTO

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10.28. AUX INPUTS AND DRIVERS, P. 26

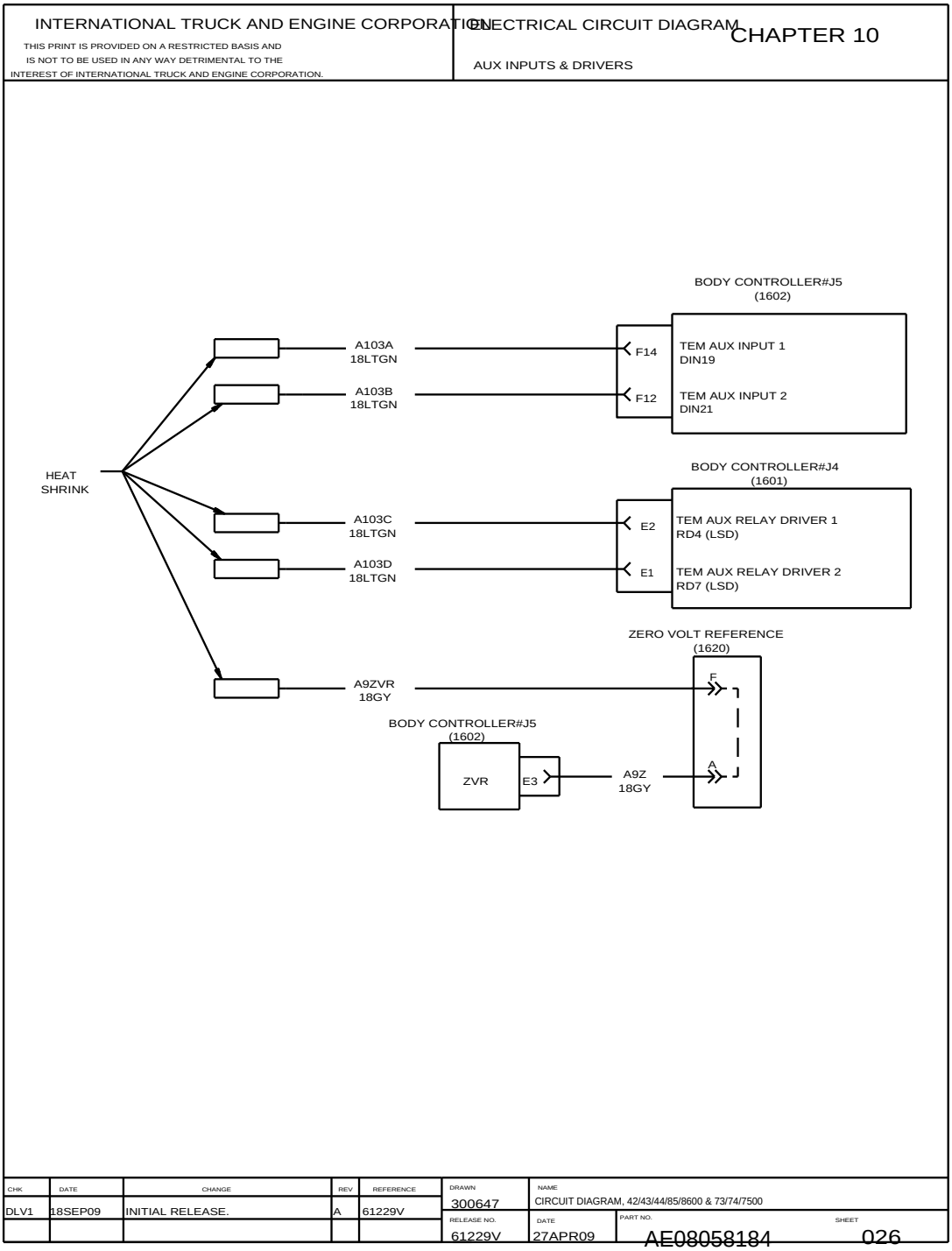


Figure 174 Aux Inputs and Drivers

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10.29. FUEL TRANSFER PUMP, P. 27

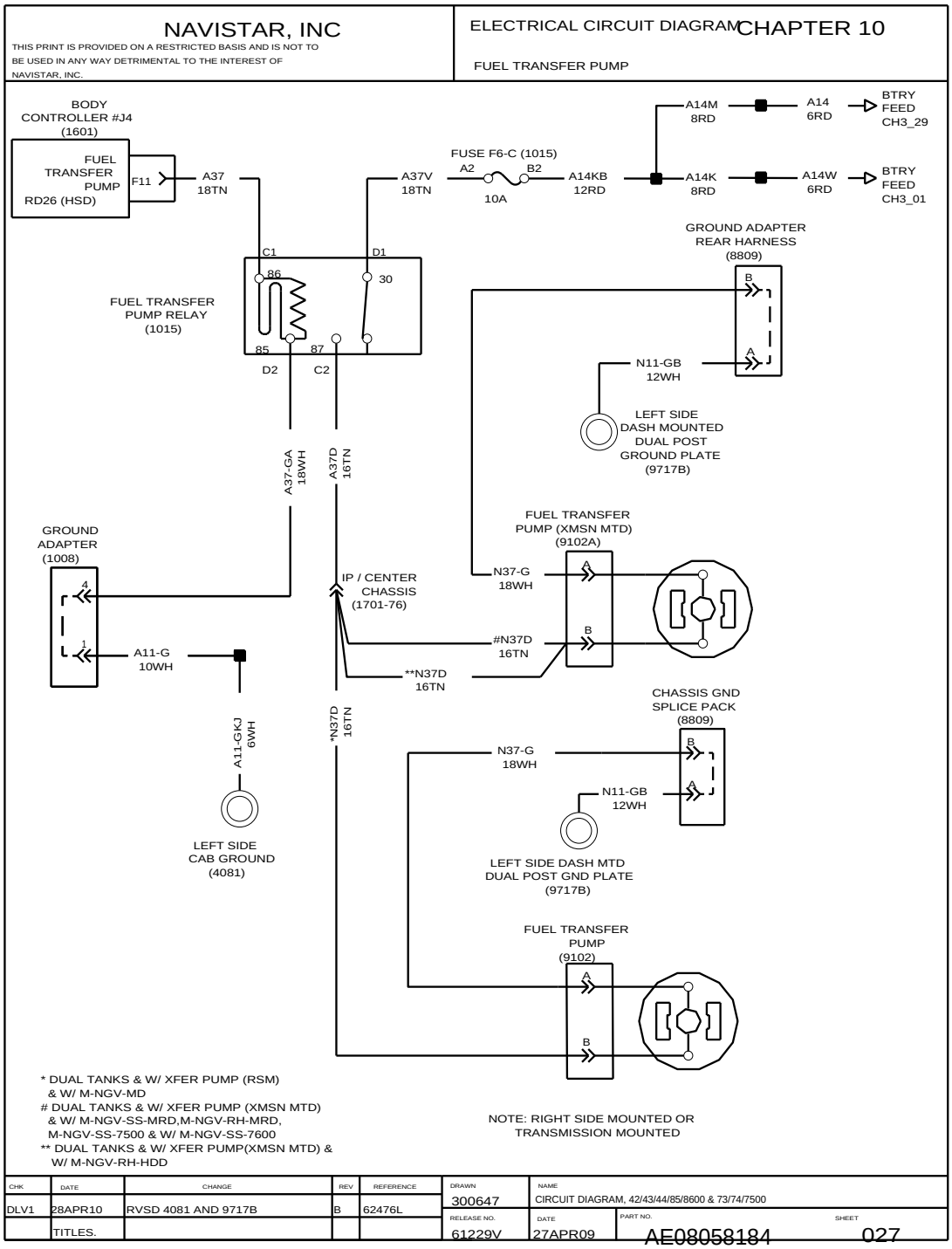


Figure 175 Fuel Transfer Pump

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10.30. POWER SOURCE, CUSTOMER INSTALLED LIFT GATE, P. 28

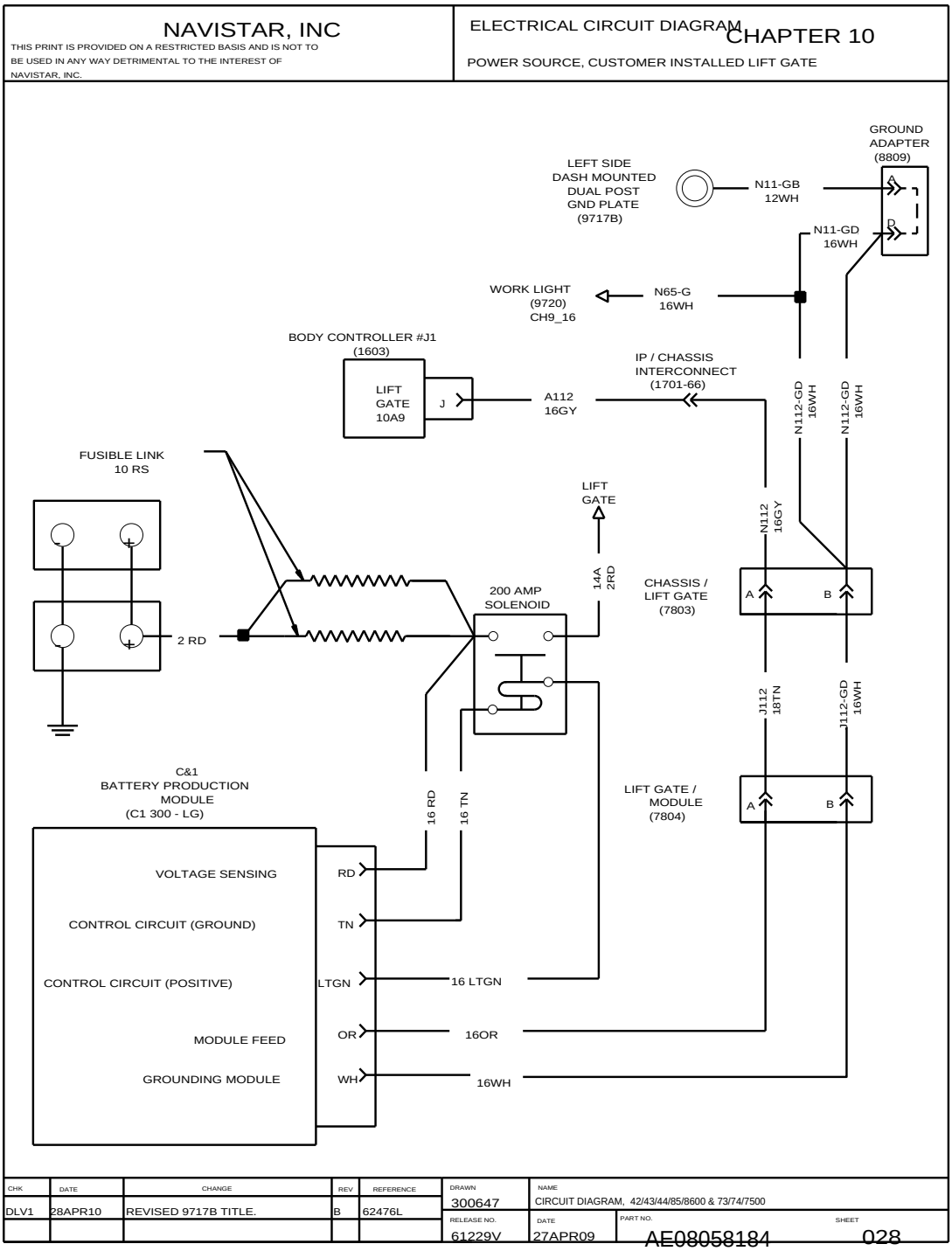


Figure 176 Power Source, Customer Installed Lift Gate

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10.31. WHEELCHAIR LIFT INTERLOCK, P. 29

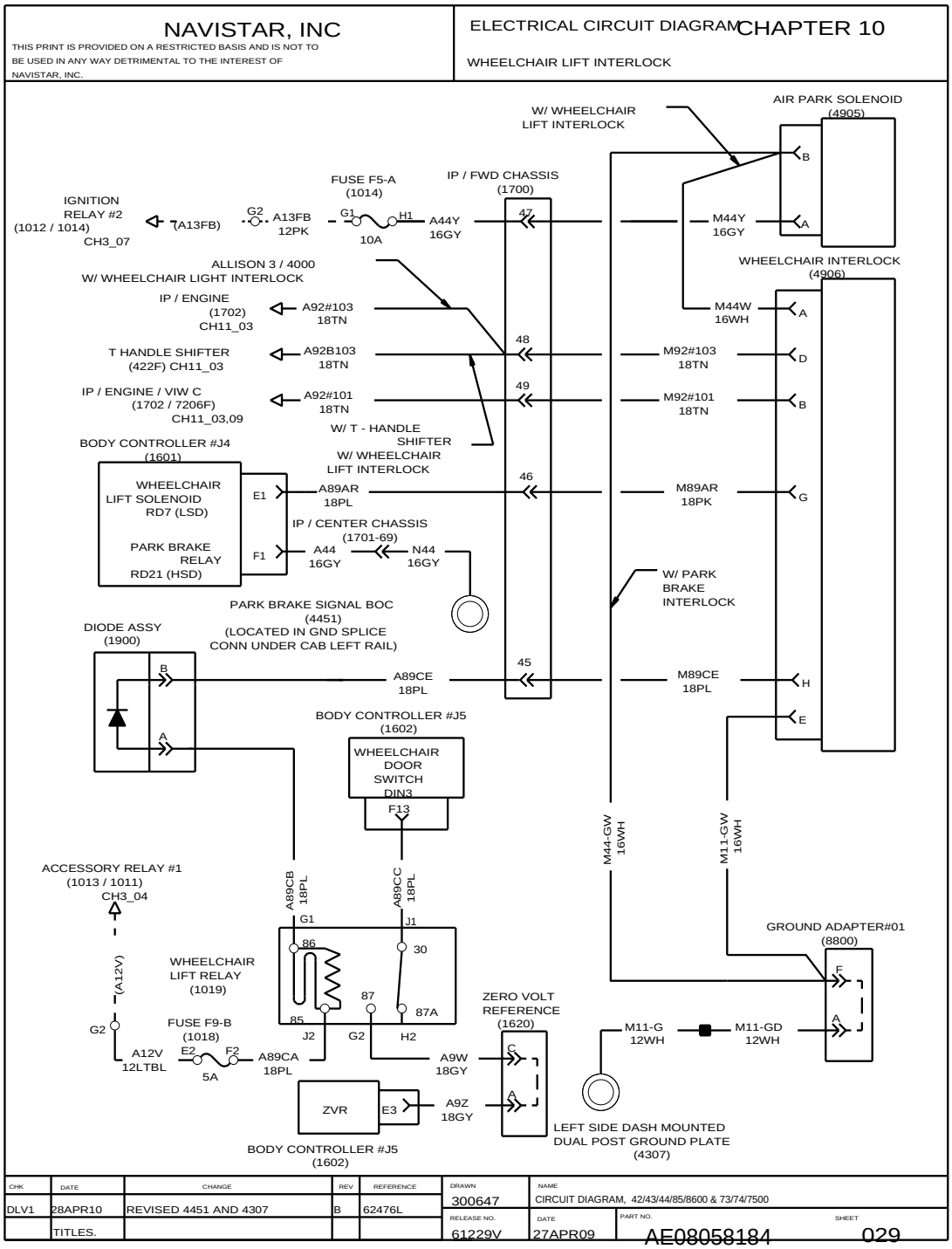


Figure 177 Wheelchair Lift Interlock

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10.32. LIFT AXLE W/ CONTROLS FOR ONE LIFT AXLE, P. 30

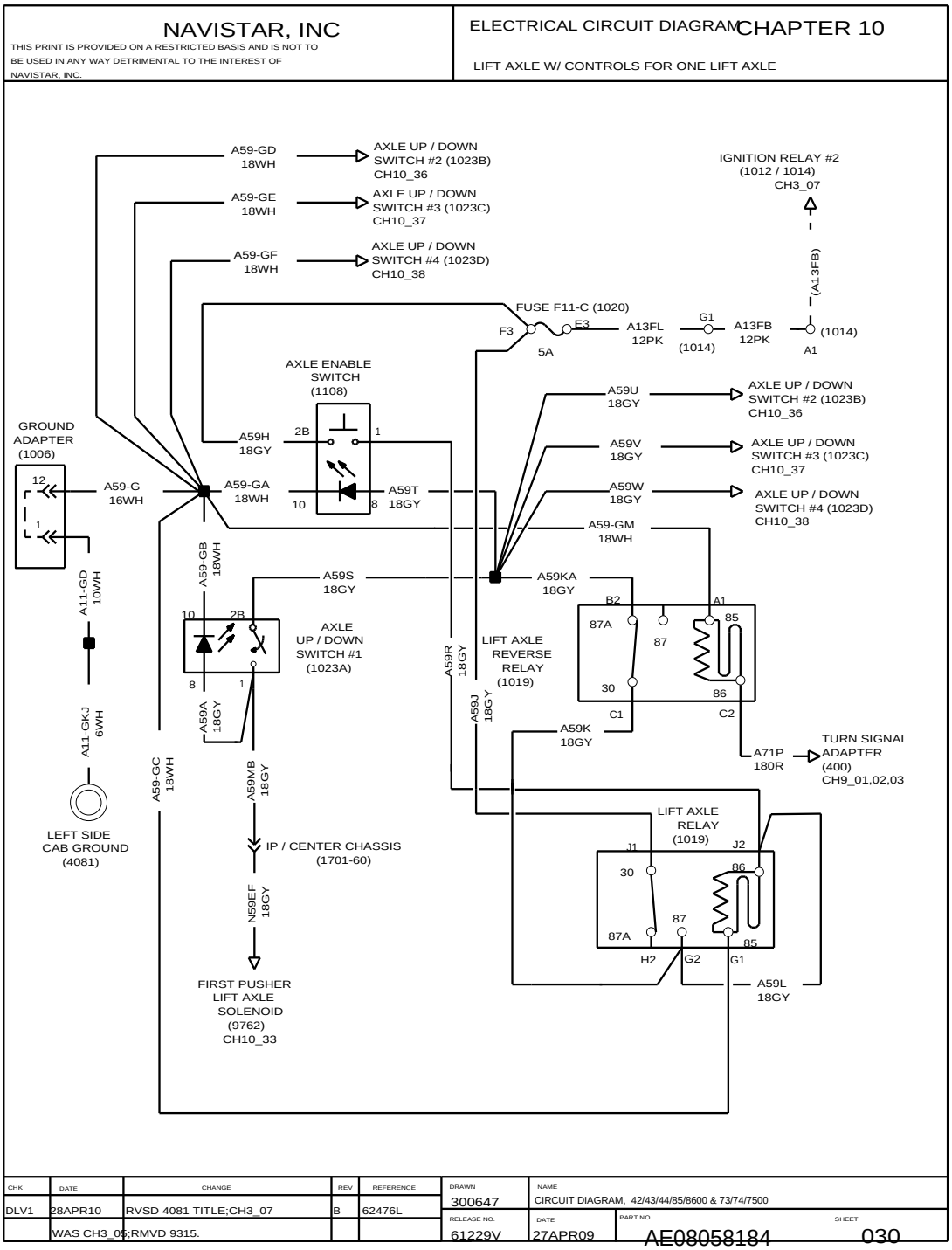


Figure 178 Lift Axle w/ Controls for One Lift Axle

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10.33. LIFT AXLE (NON-STEERABLE), P. 31

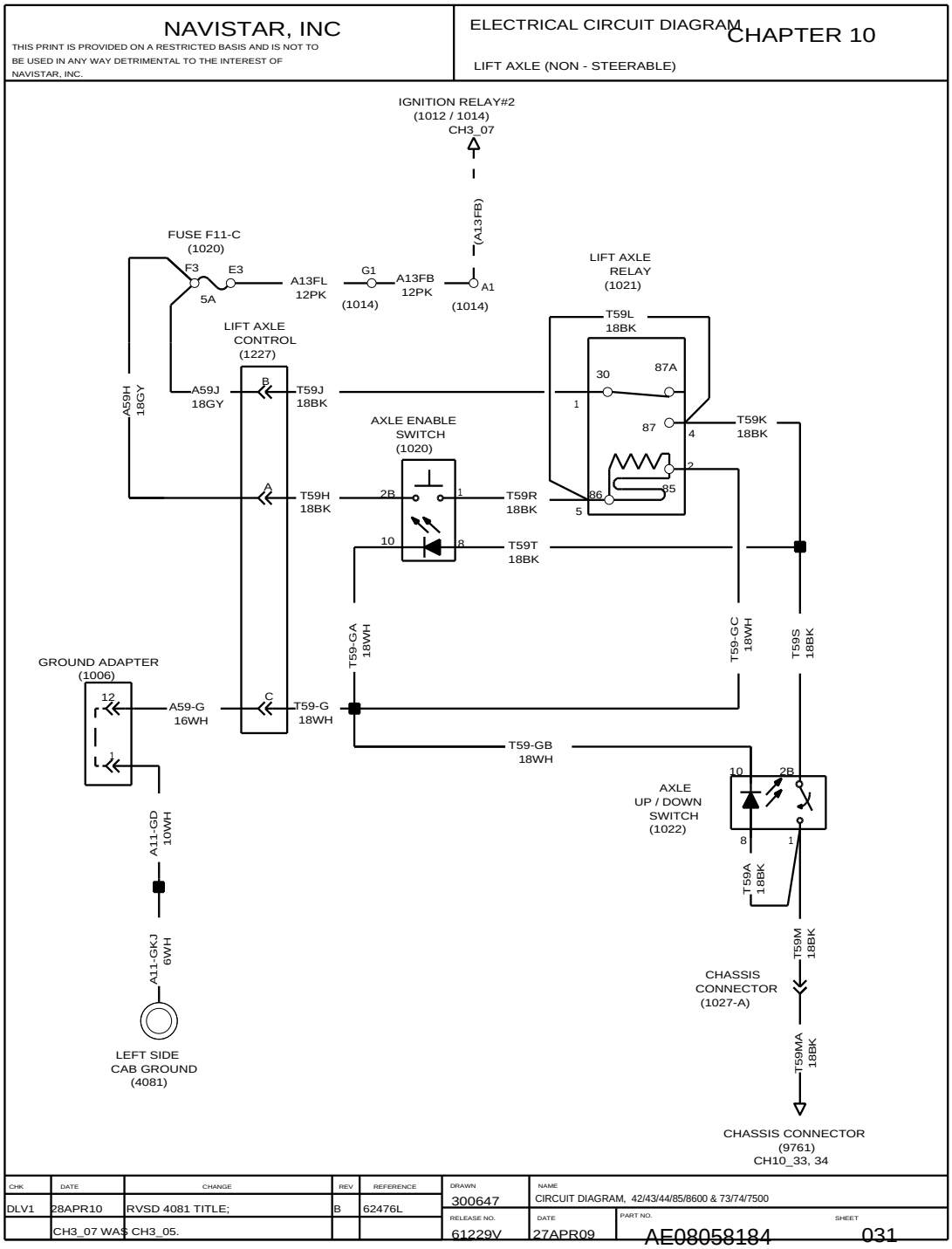


Figure 179 Lift Axle (Non-Steerable)

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10.34. LIFT AXLE (STEERABLE), P. 32

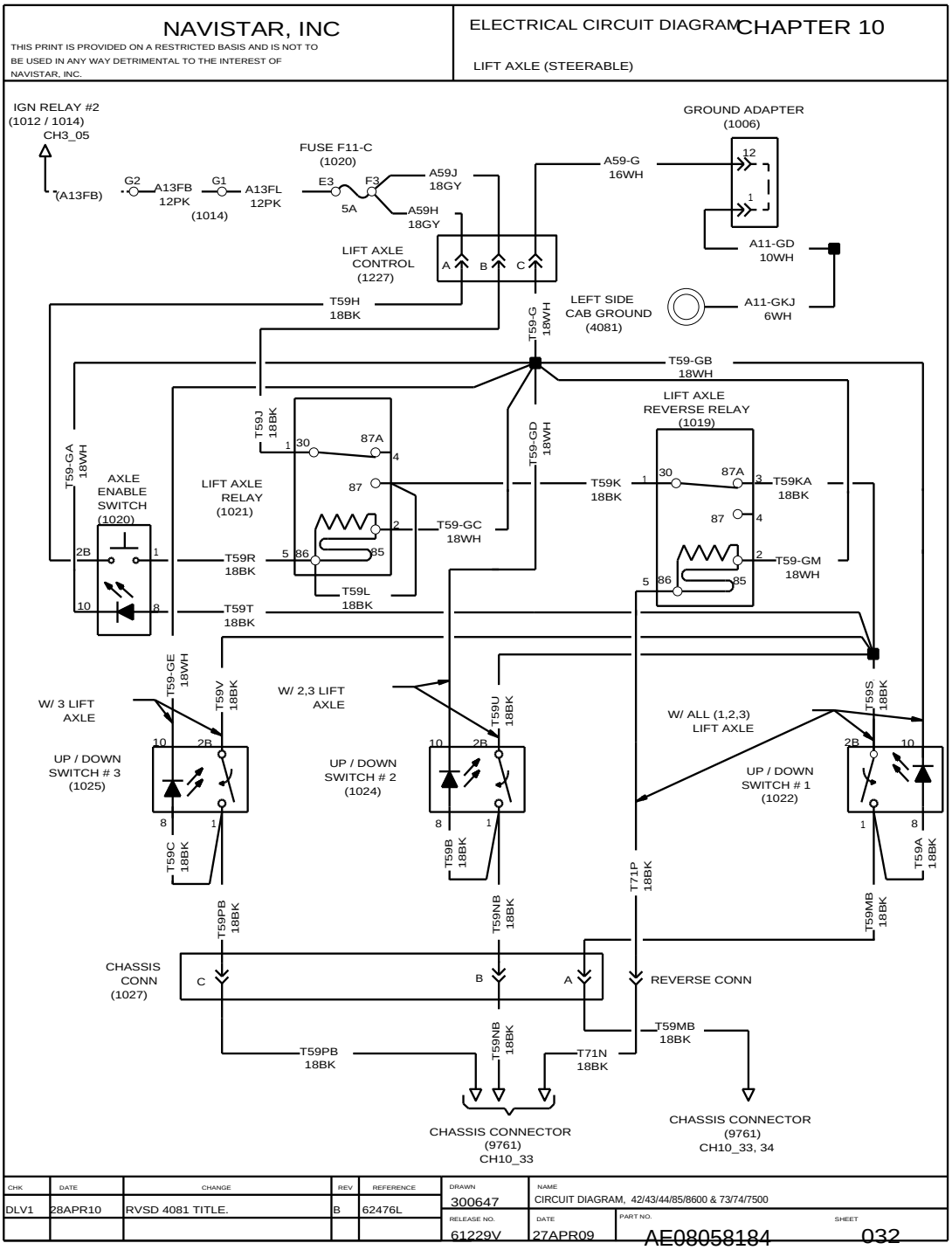


Figure 180 Lift Axle (Steerable)

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10.35. LIFT AXLE, P. 33

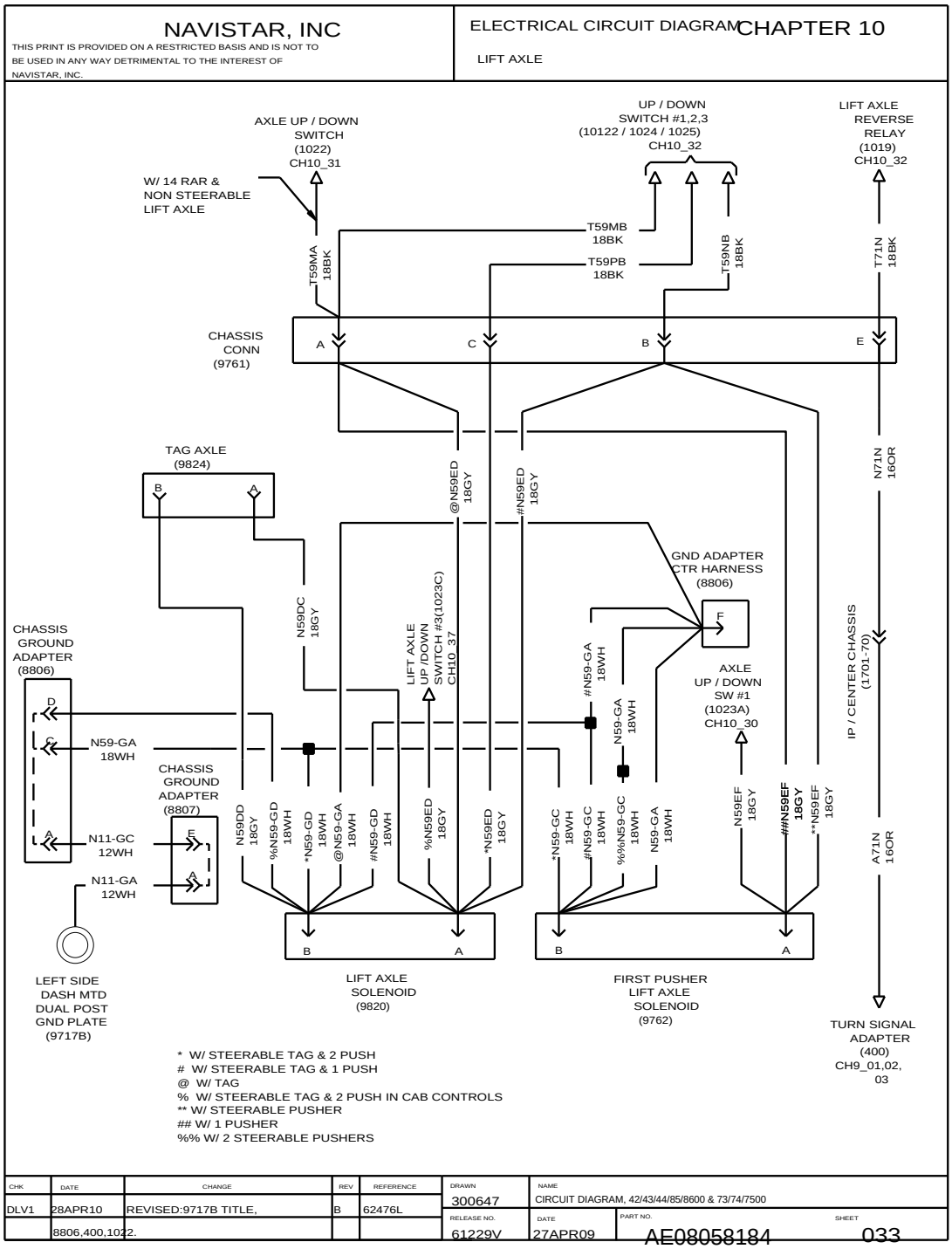


Figure 181 Lift Axle

https://truckmanualshub.com/

10.36. LIFT AXLE, P. 34

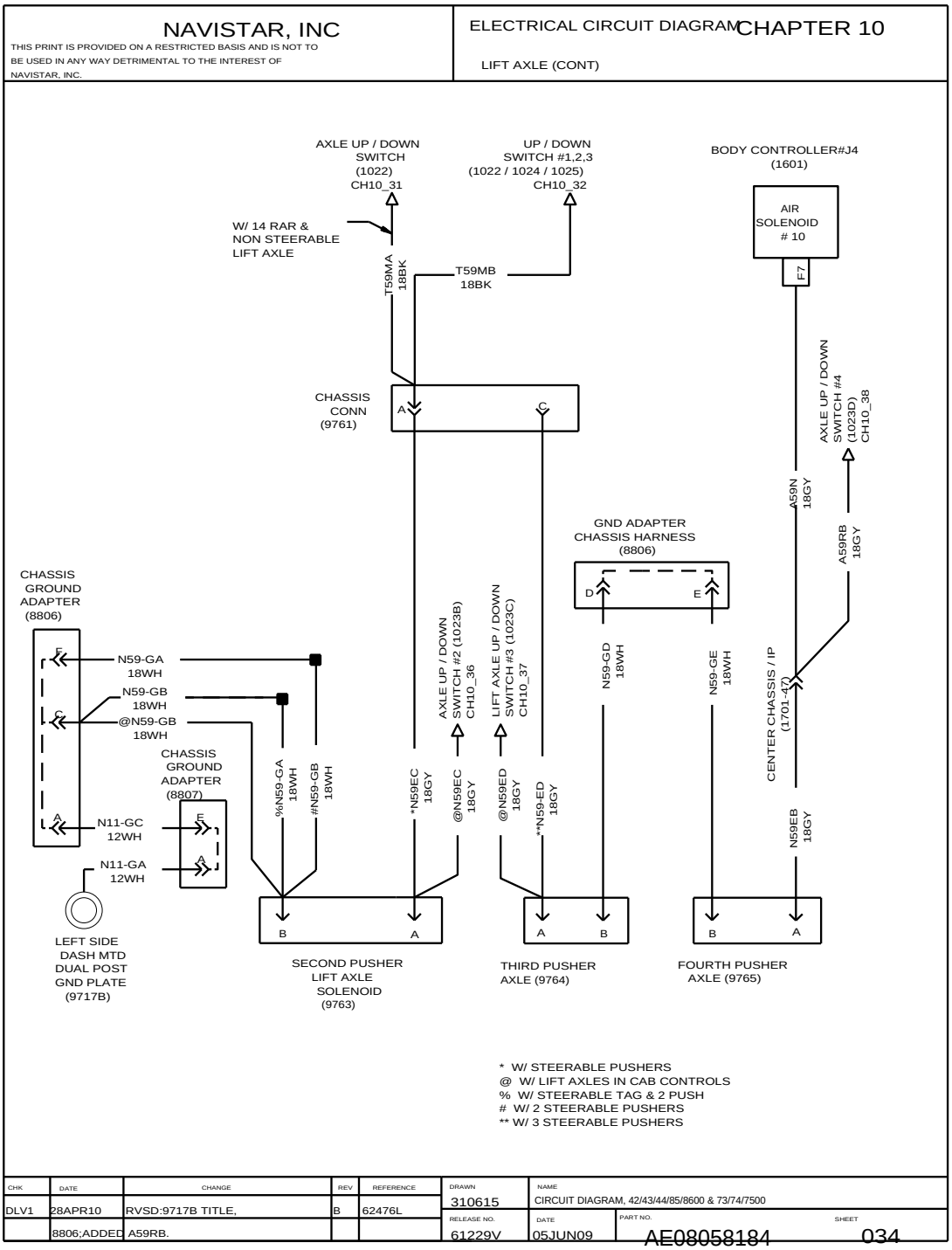


Figure 182 Lift Axle

https://truckmanualshub.com/

10.37. AIR DRYER AND HEATED DRAIN VALVE, P. 35

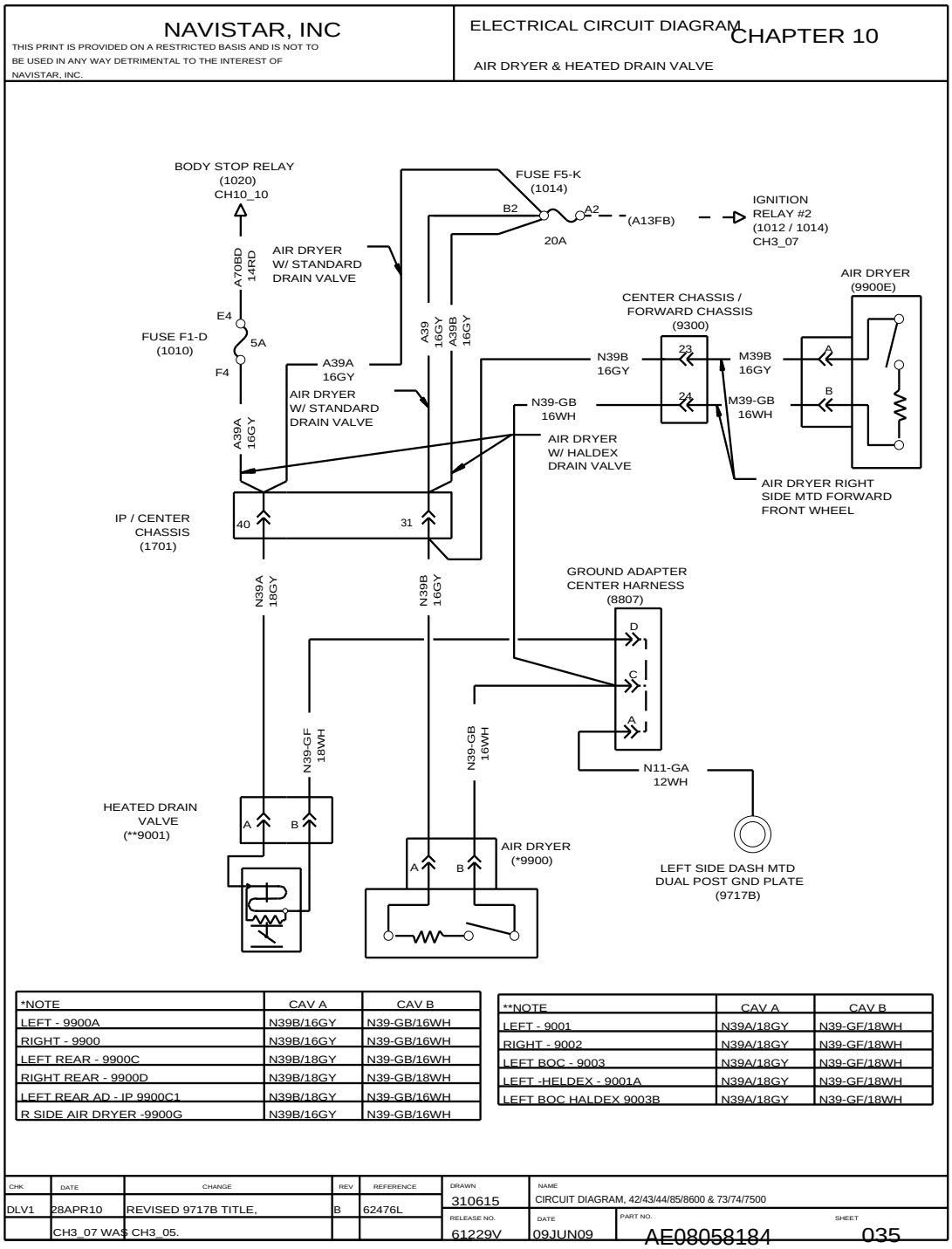


Figure 183 Air Dryer and Heated Drain Valve

https://truckmanualshub.com/

10.38. LIFT AXLE W/ CONTROLS FOR TWO LIFT AXLES, P. 36

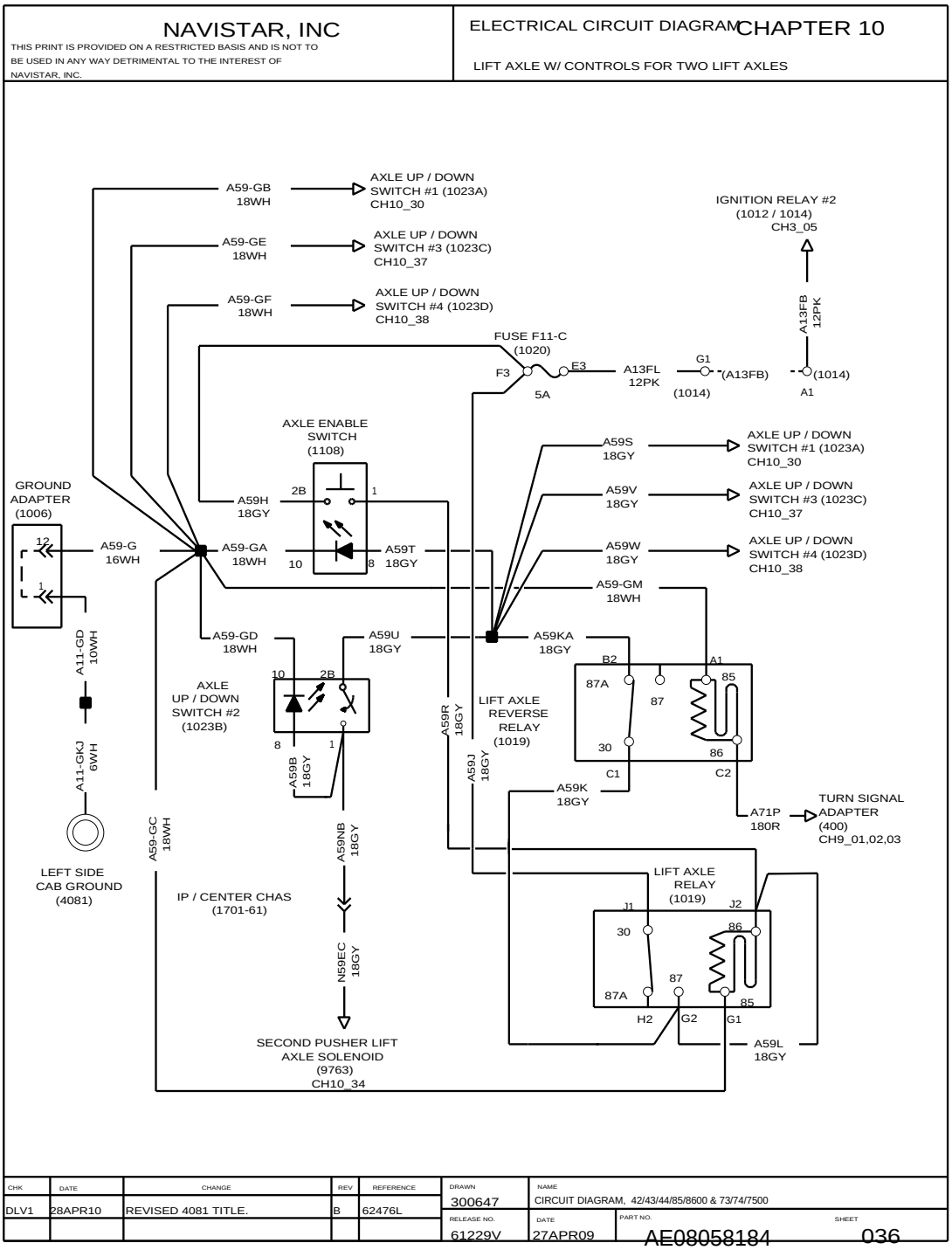


Figure 184 Lift Axle w/ Controls for Two Lift Axles

https://truckmanualshub.com/

10.39. LIFT AXLES W/ CONTROLS FOR THREE LIFT AXLES, P. 37

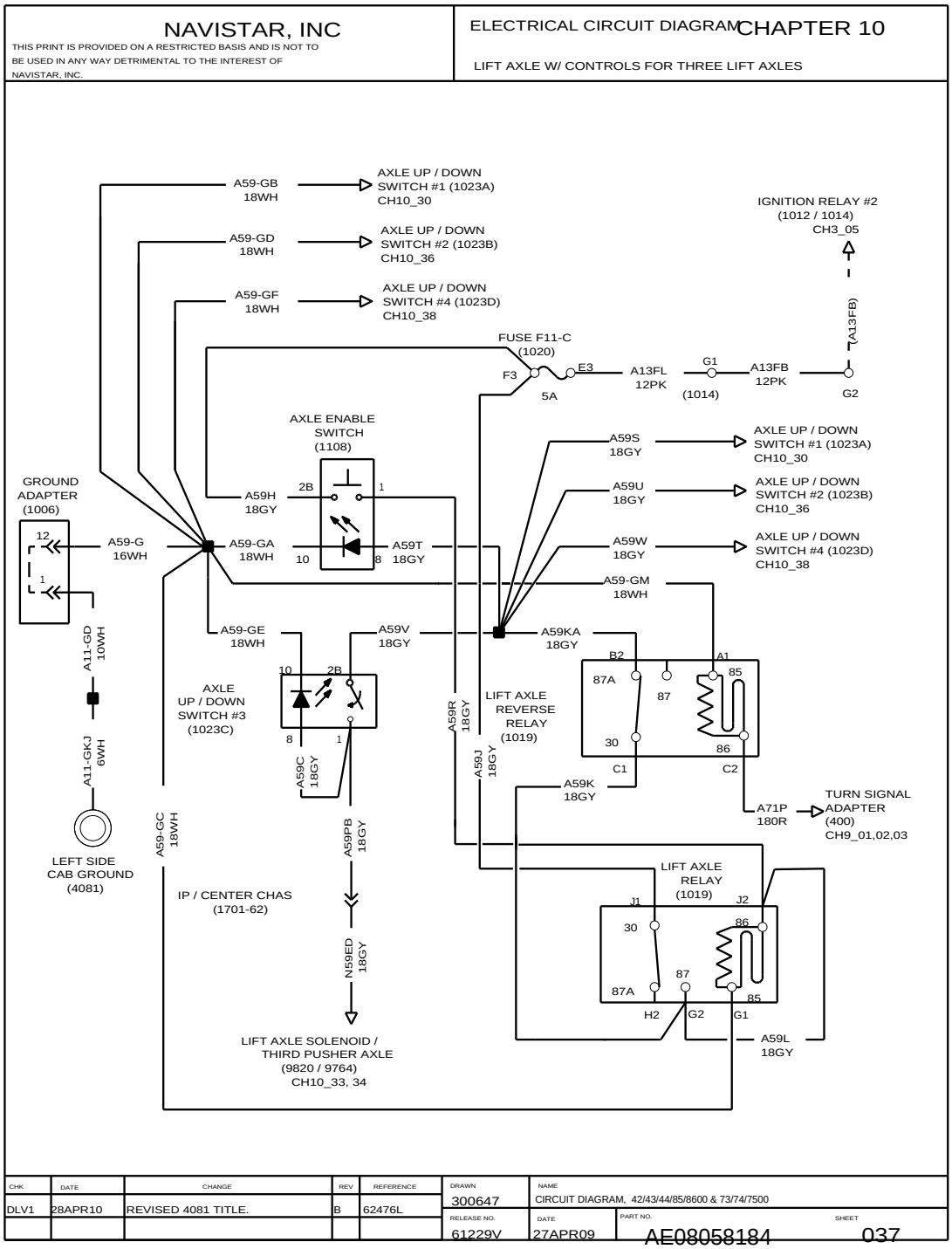


Figure 185 Lift Axles w/ Controls for Three Lift Axles

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10.40. LIFT AXLES W/ CONTROLS FOR FOUR LIFT AXLES, P. 38

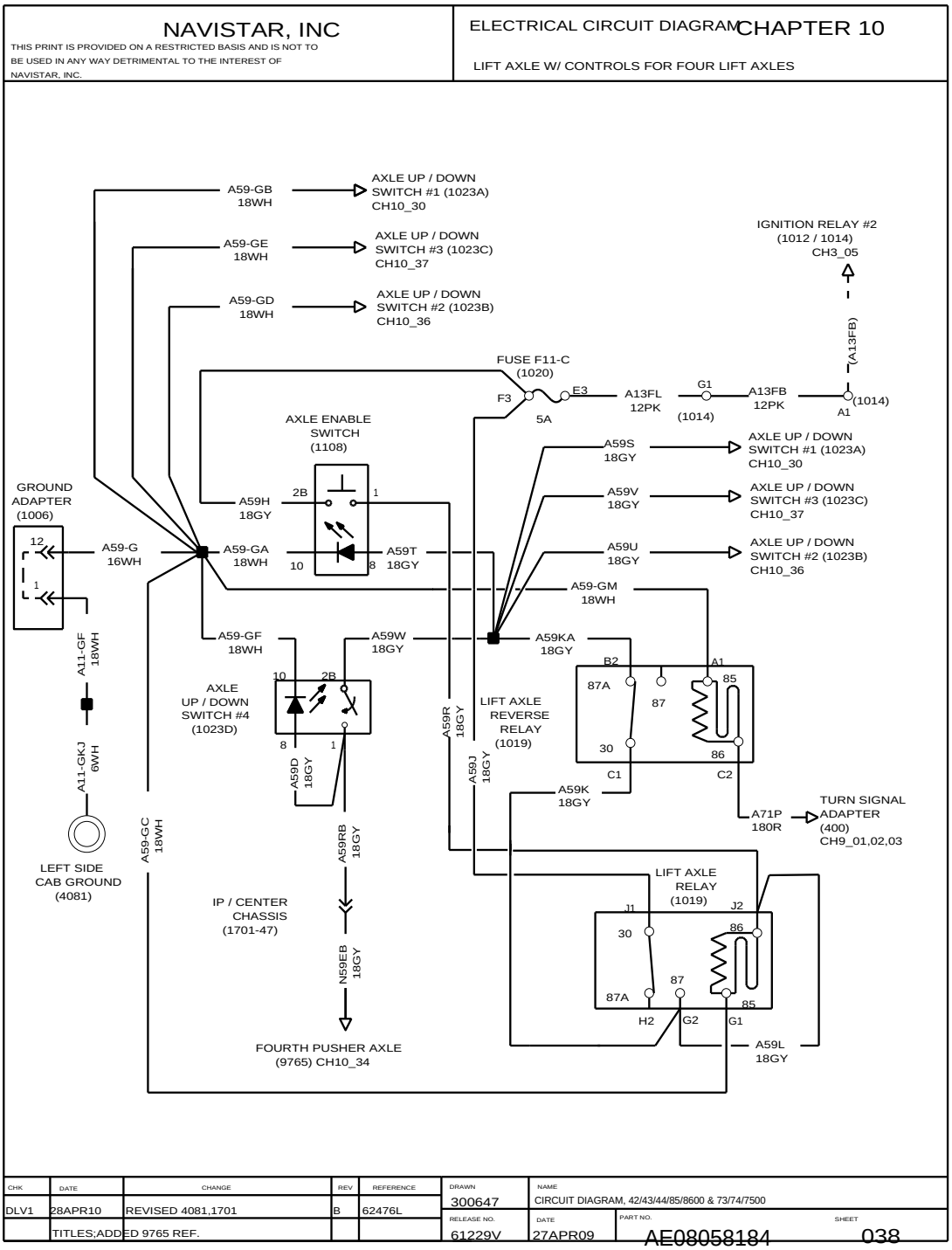


Figure 186 Lift Axles w/ Controls for Four Lift Axles

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10.41. ABS ROLL OVER STABILITY, P. 39

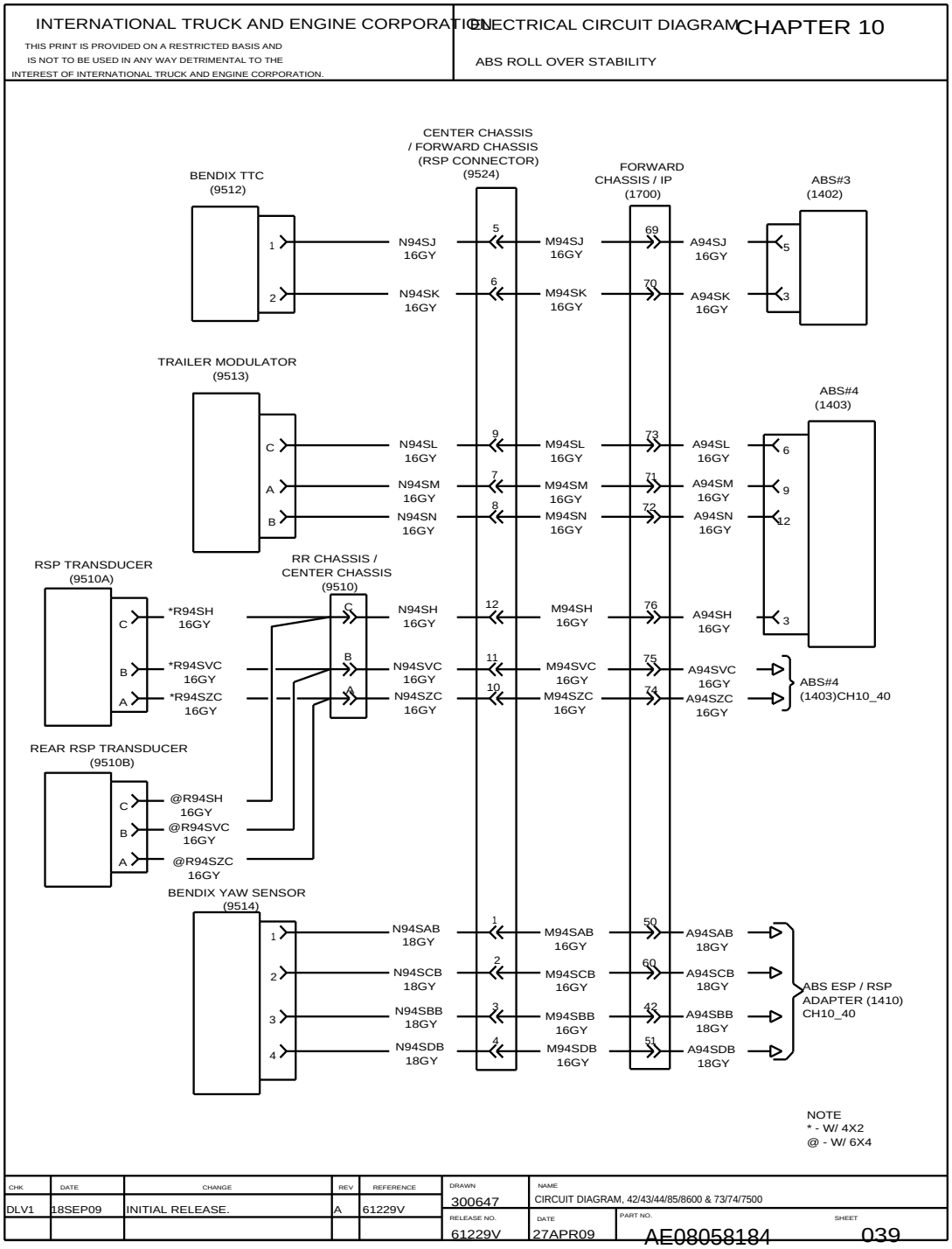


Figure 187 ABS Roll Over Stability

https://truckmanualshub.com/

10.42. ABS ROLL OVER STABILITY, P. 40

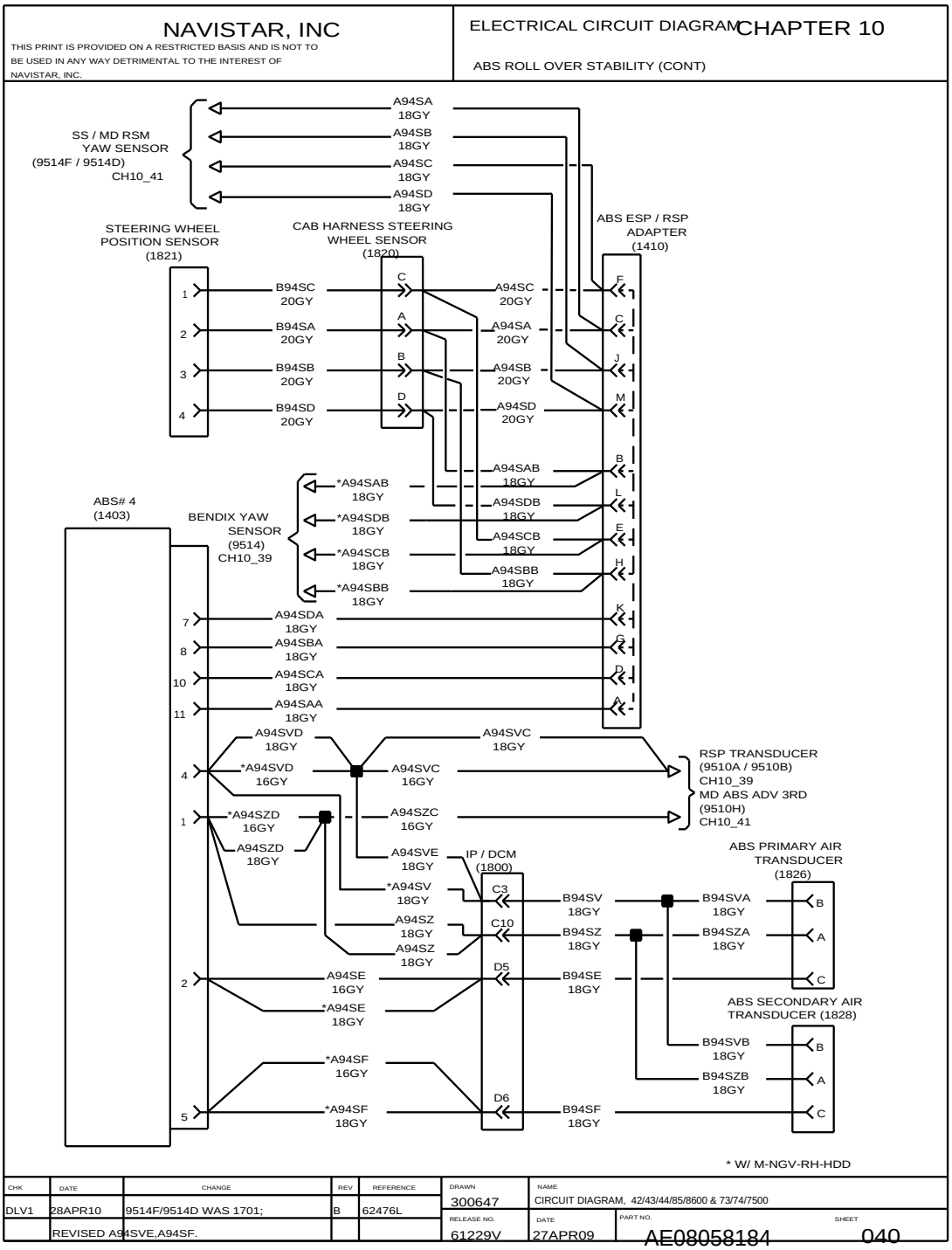


Figure 188 ABS Roll Over Stability

https://truckmanualshub.com/

10.43. ABS — BENDIX AIR, P. 41

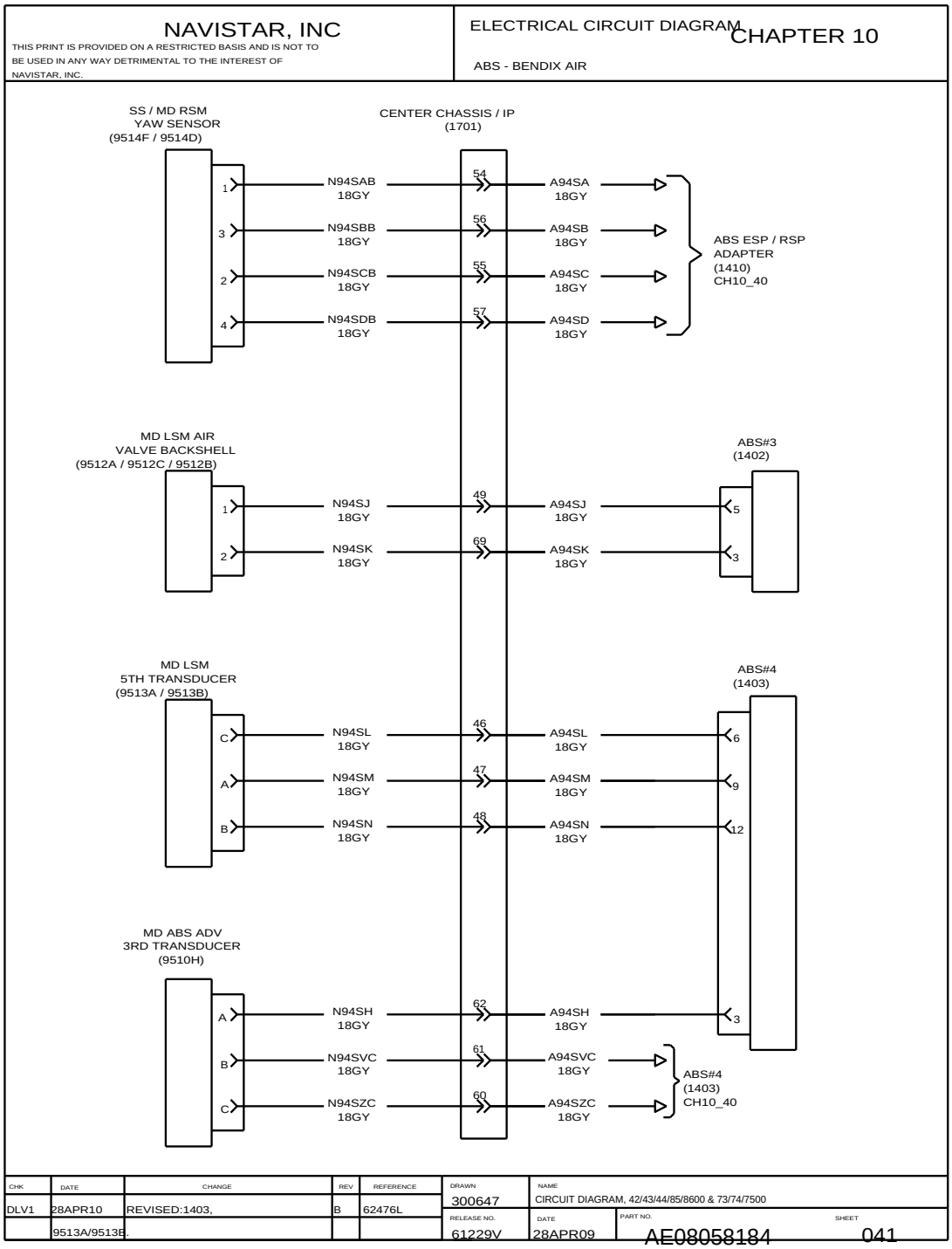


Figure 189 ABS — Bendix Air

https://truckmanualshub.com/

10.44. TRANSFER CASE EFFECTS, P. 42

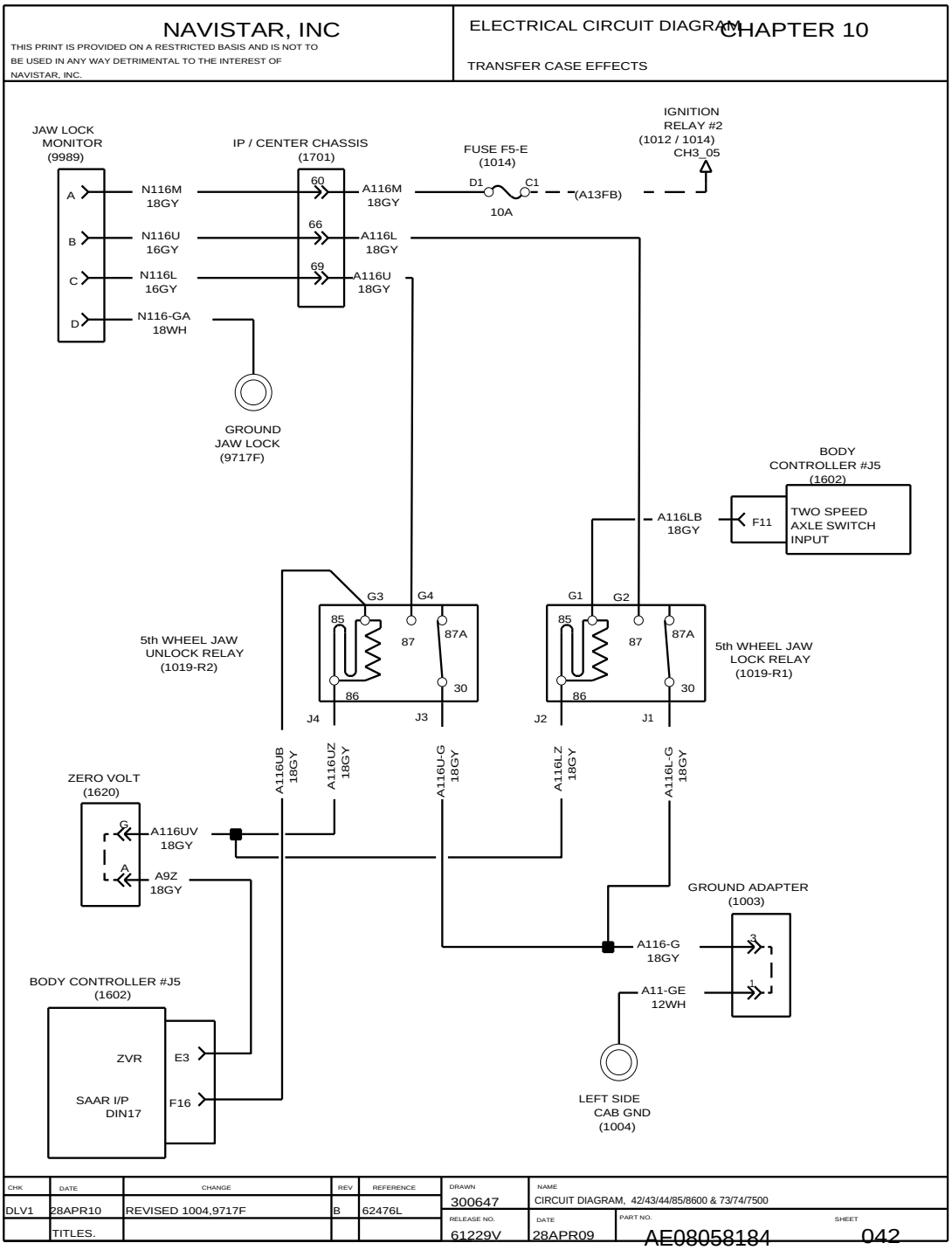


Figure 190 Transfer Case Effects

https://truckmanualshub.com/

10.45. TRANSFER CASE EFFECTS, P. 43

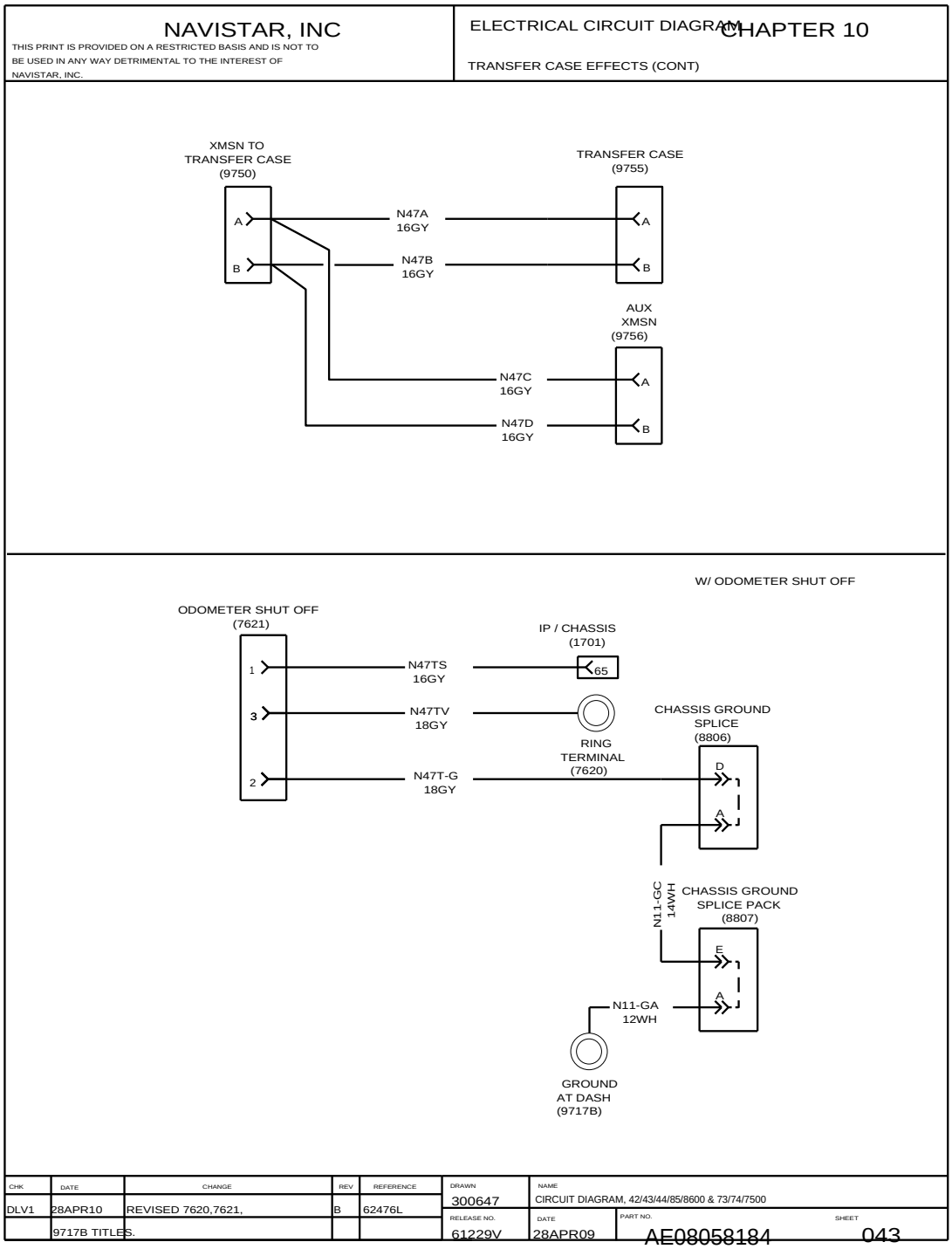


Figure 191 Transfer Case Effects

https://truckmanualshub.com/

10.46. REMOTE START/ STOP, P. 44

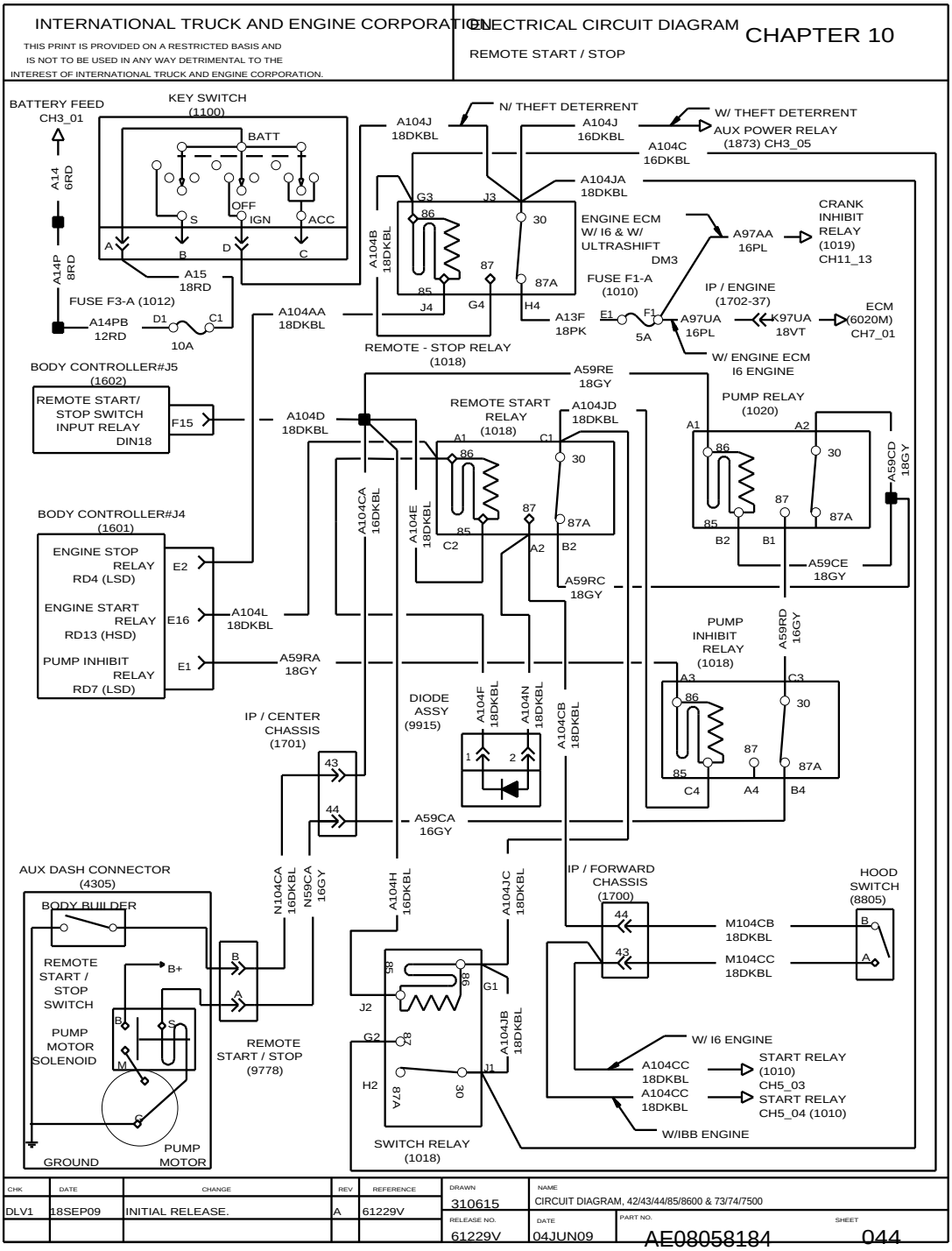


Figure 192 Remote Start/ Stop

https://truckmanualshub.com/

10.47. AUX AND POWER SOURCE, P. 45

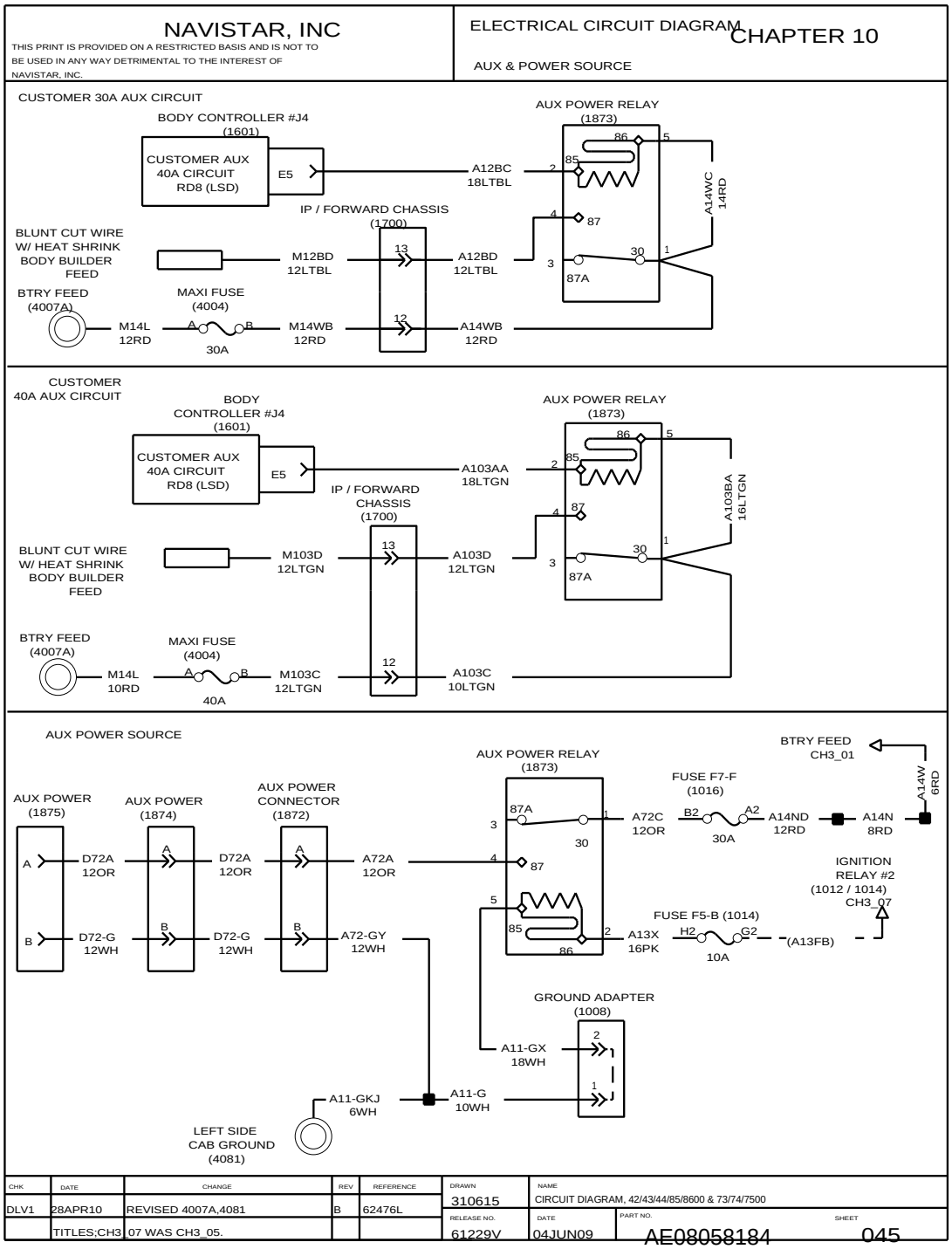


Figure 193 Aux and Power Source

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10.48. ABS — BENDIX AIR 6S/6M, P. 46

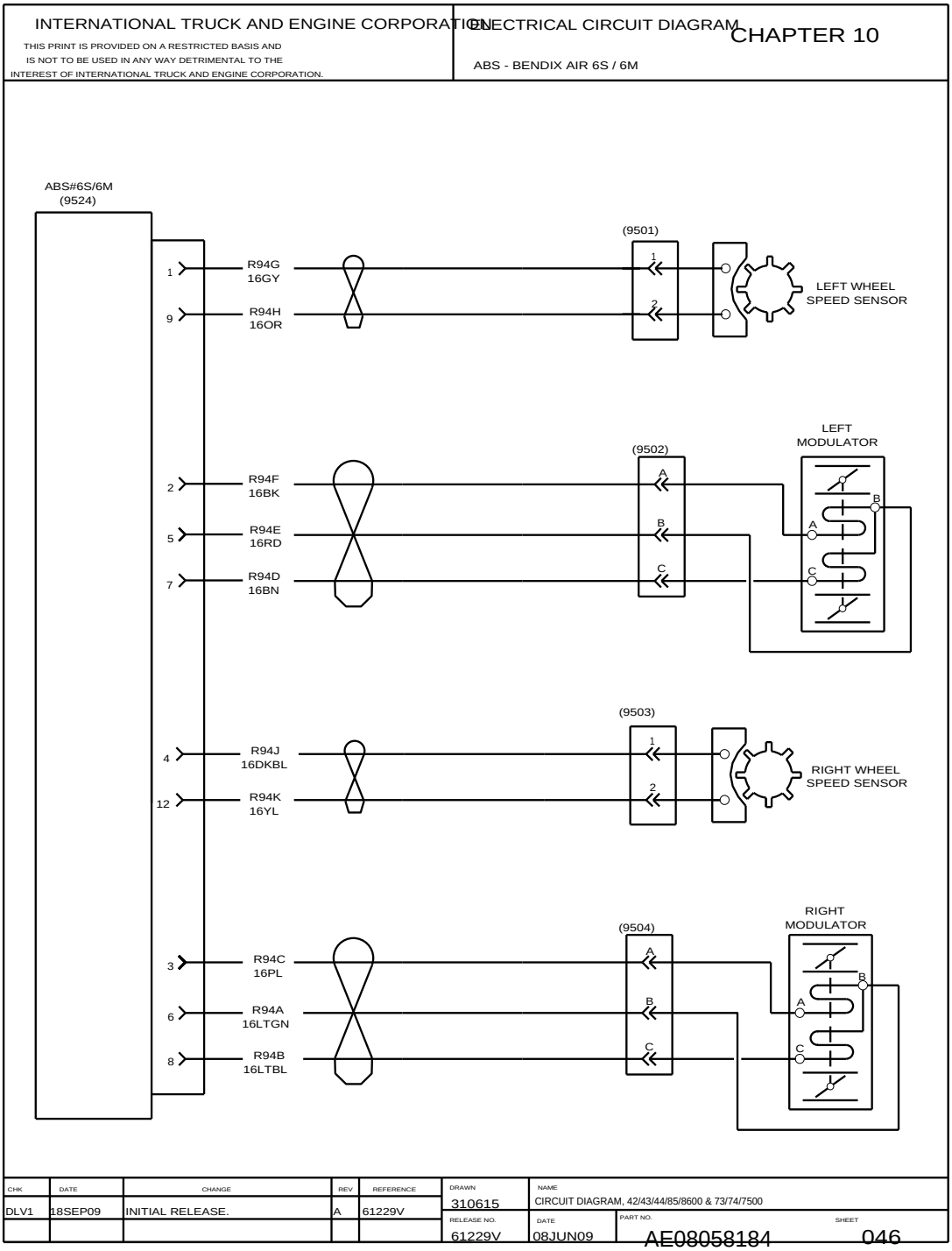


Figure 194 ABS — Bendix Air 6S/6M

https://truckmanualshub.com/

10.49. ABS — BENDIX AIR 6S/6M, P. 47

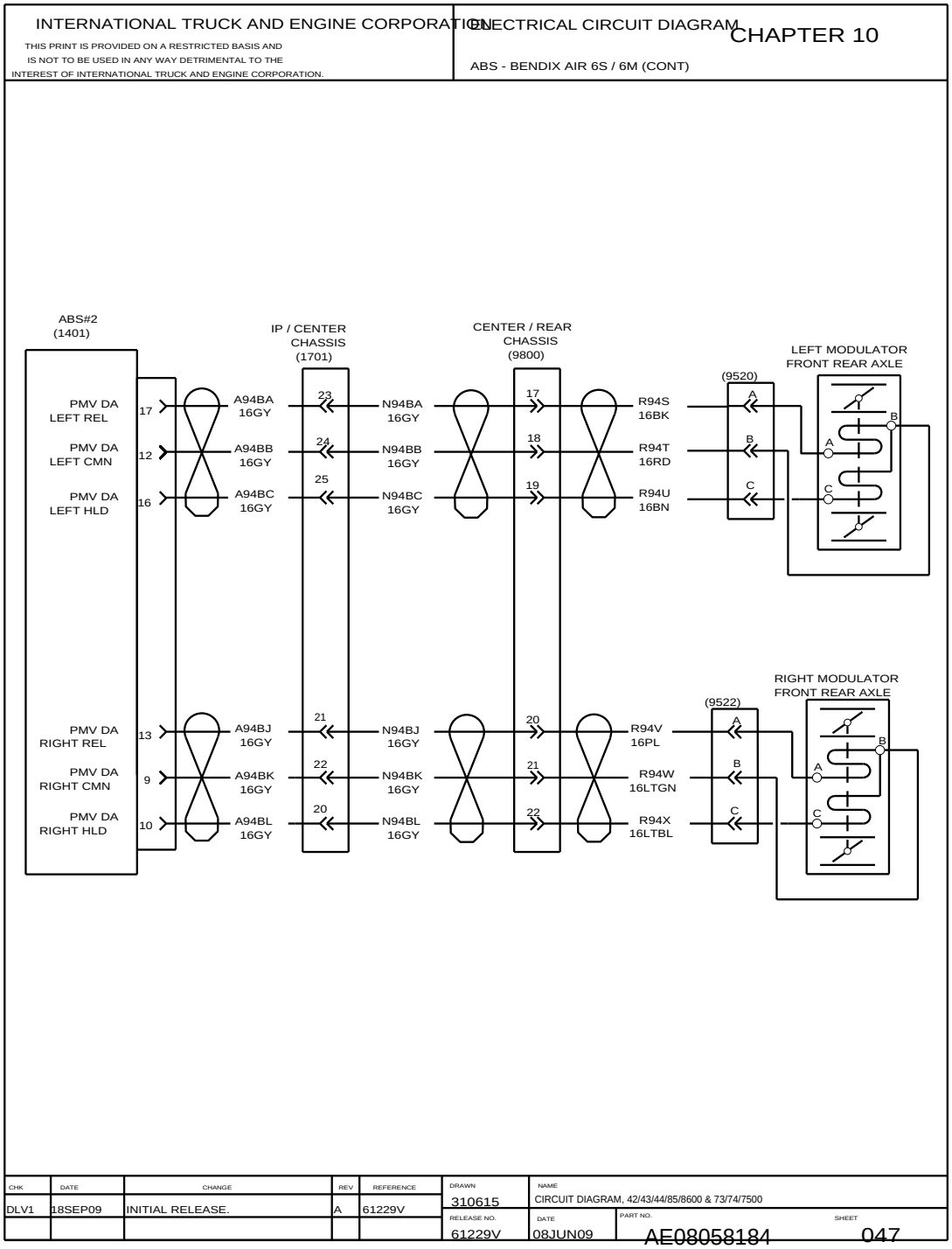


Figure 195 ABS — Bendix Air 6S/6M

https://truckmanualshub.com/

10.50. AC CONDENSER EFFECTS, P. 48

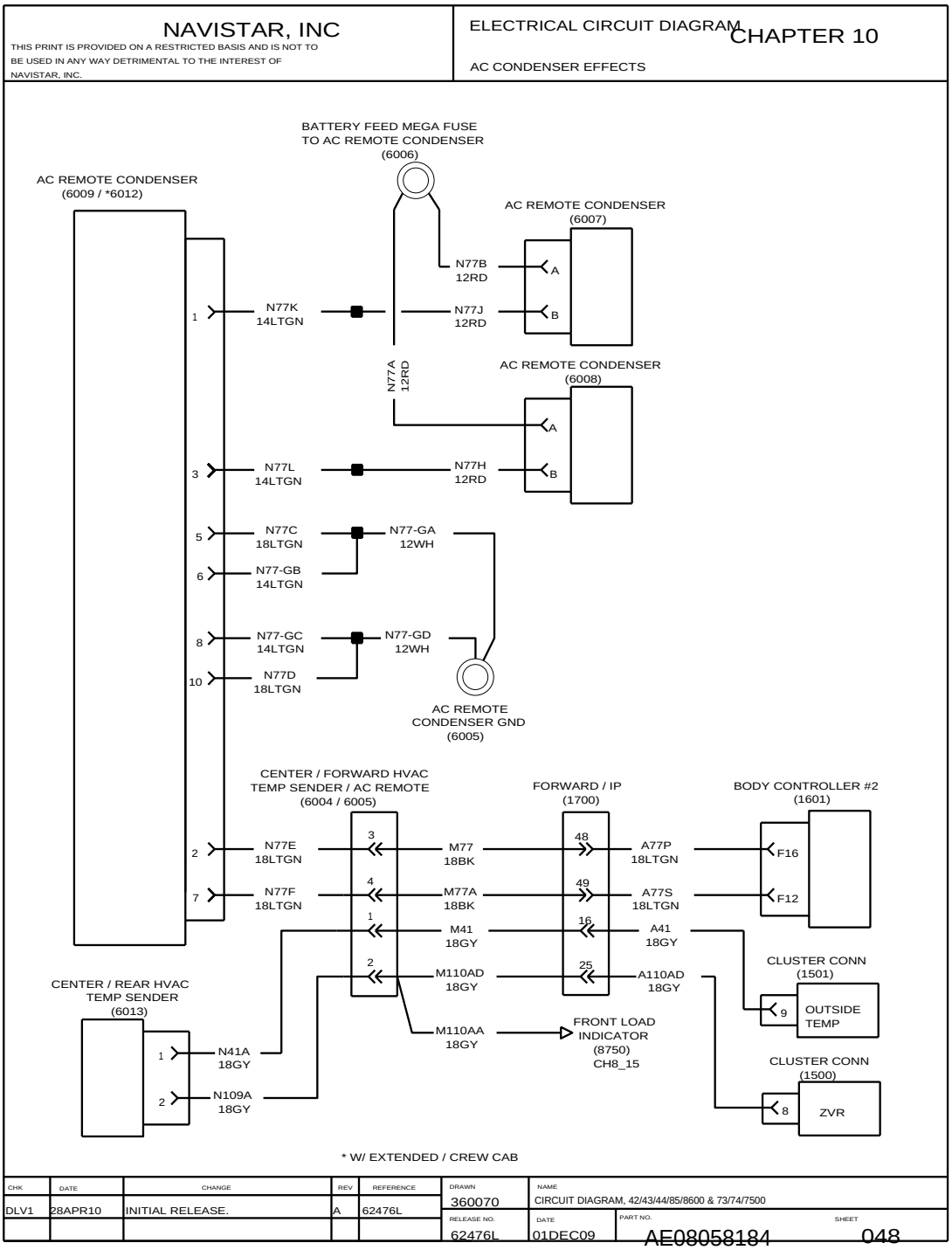


Figure 196 AC Condenser Effects

https://truckmanualshub.com/

10.51. PRESSURE SWITCH, P. 49

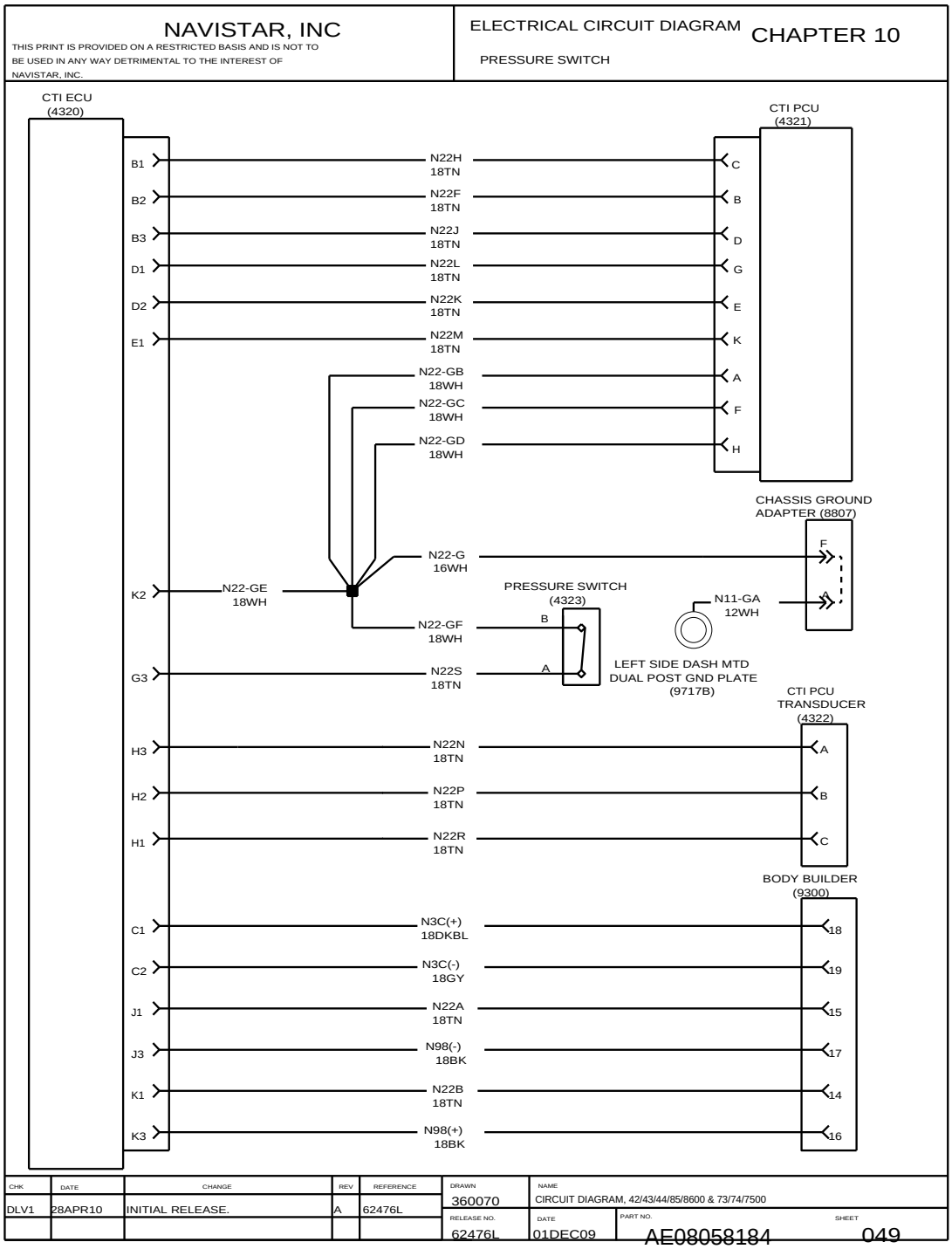


Figure 197 Pressure Switch

https://truckmanualshub.com/

11. TRANSMISSIONS (CHAPTER 11)

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

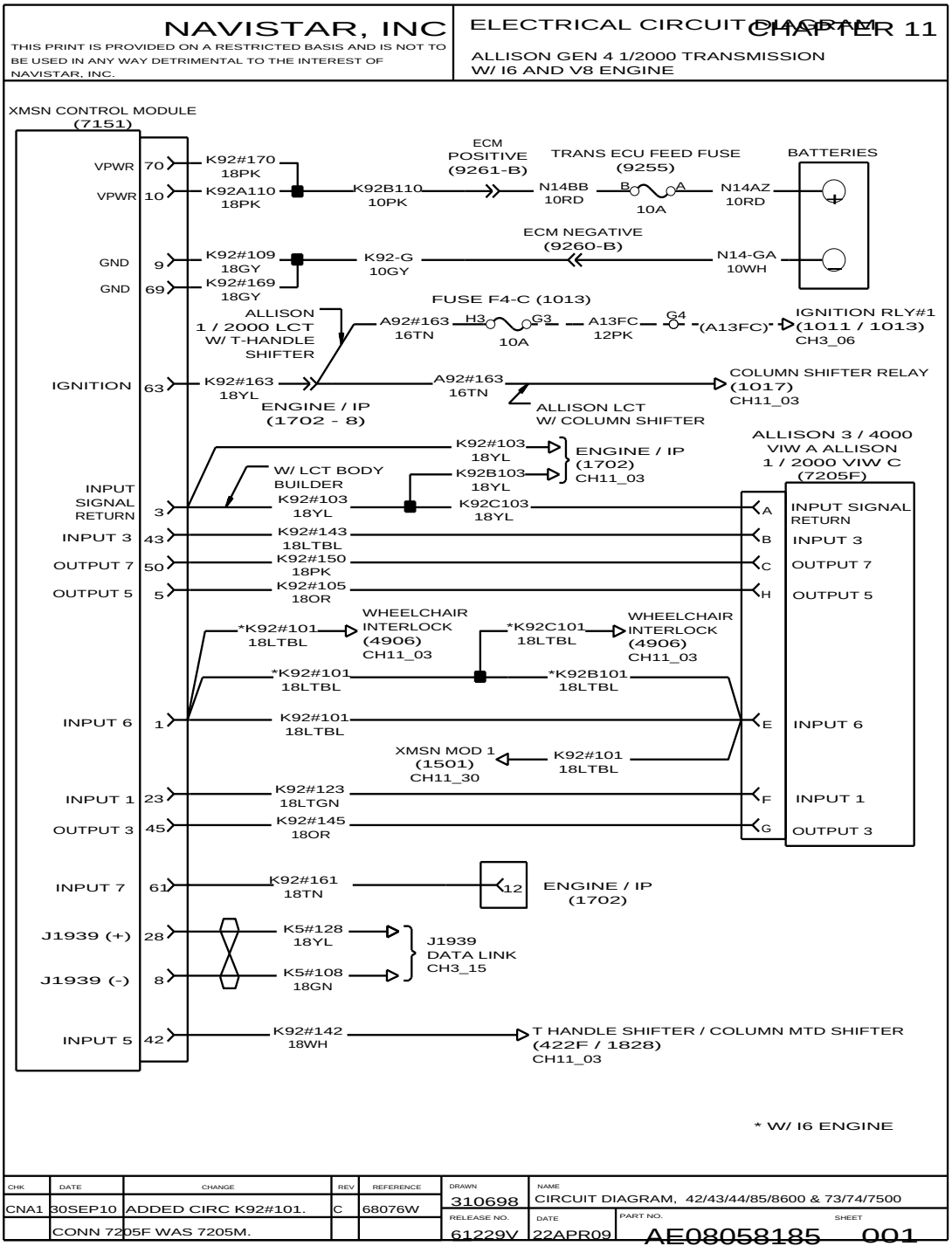


Figure 198 Allison GEN 4 1/2000 Transmission with I6 and V8 Engine

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

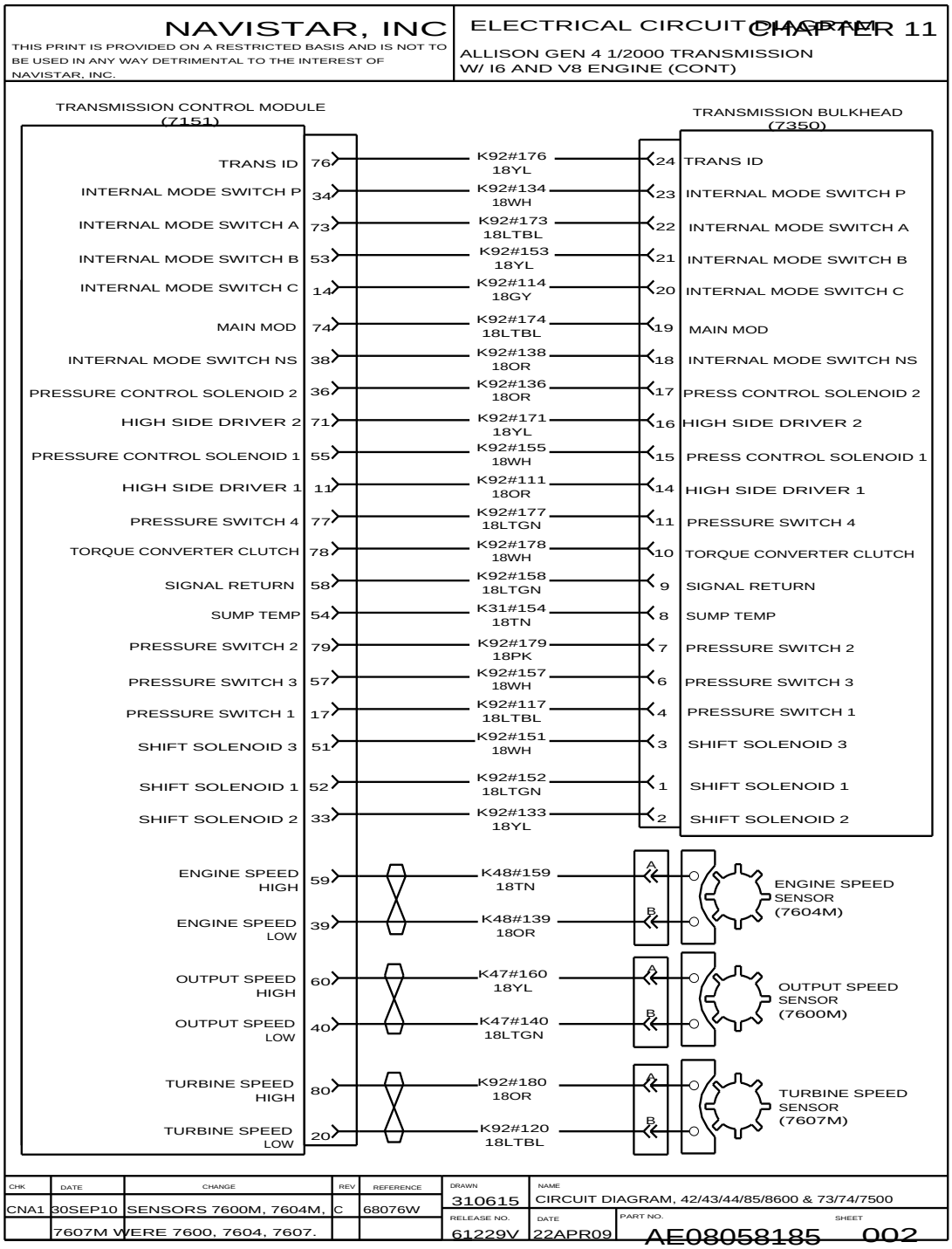


Figure 199 Allison GEN 4 1/2000 Transmission with I6 and V8 Engines (Cont.)

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11.3. ALLISON GEN 4 1/2000 TRANSMISSION WITH I6 AND V8 ENGINES, P. 3

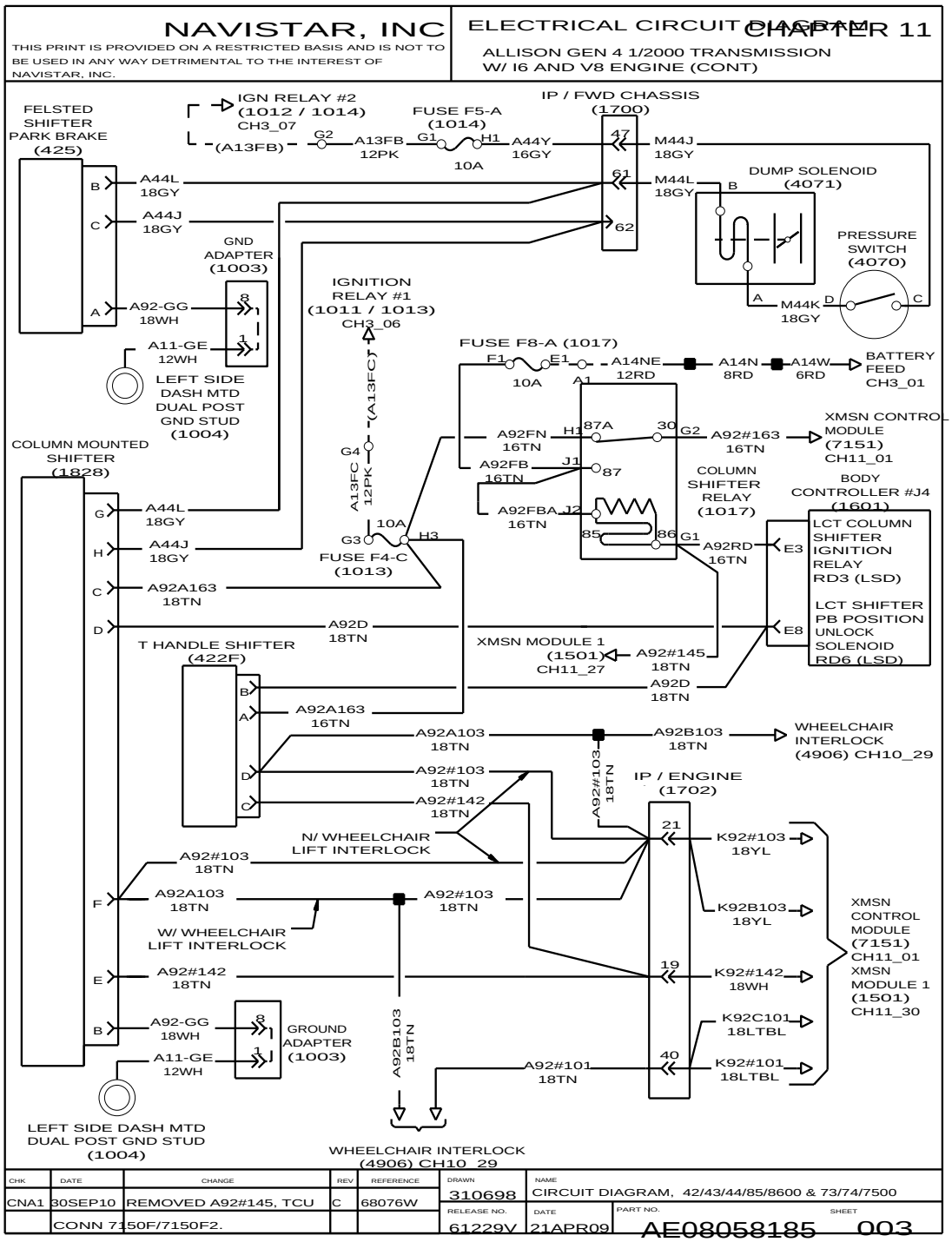


Figure 200 Allison GEN 4 1/2000 Transmission With I6 and V8 Engines

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

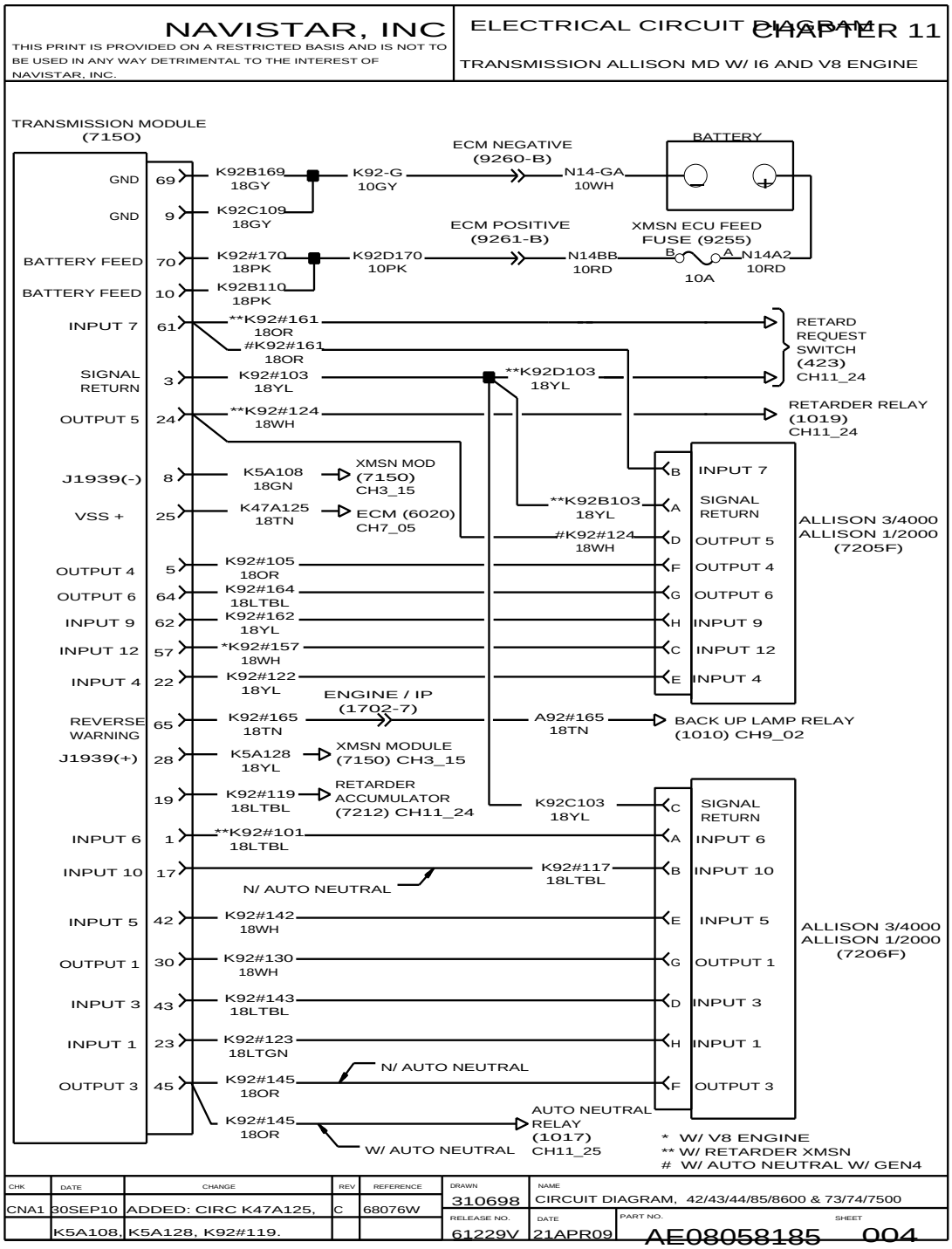


Figure 201 Transmission, Allison MD with I6 and V8 Engines

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

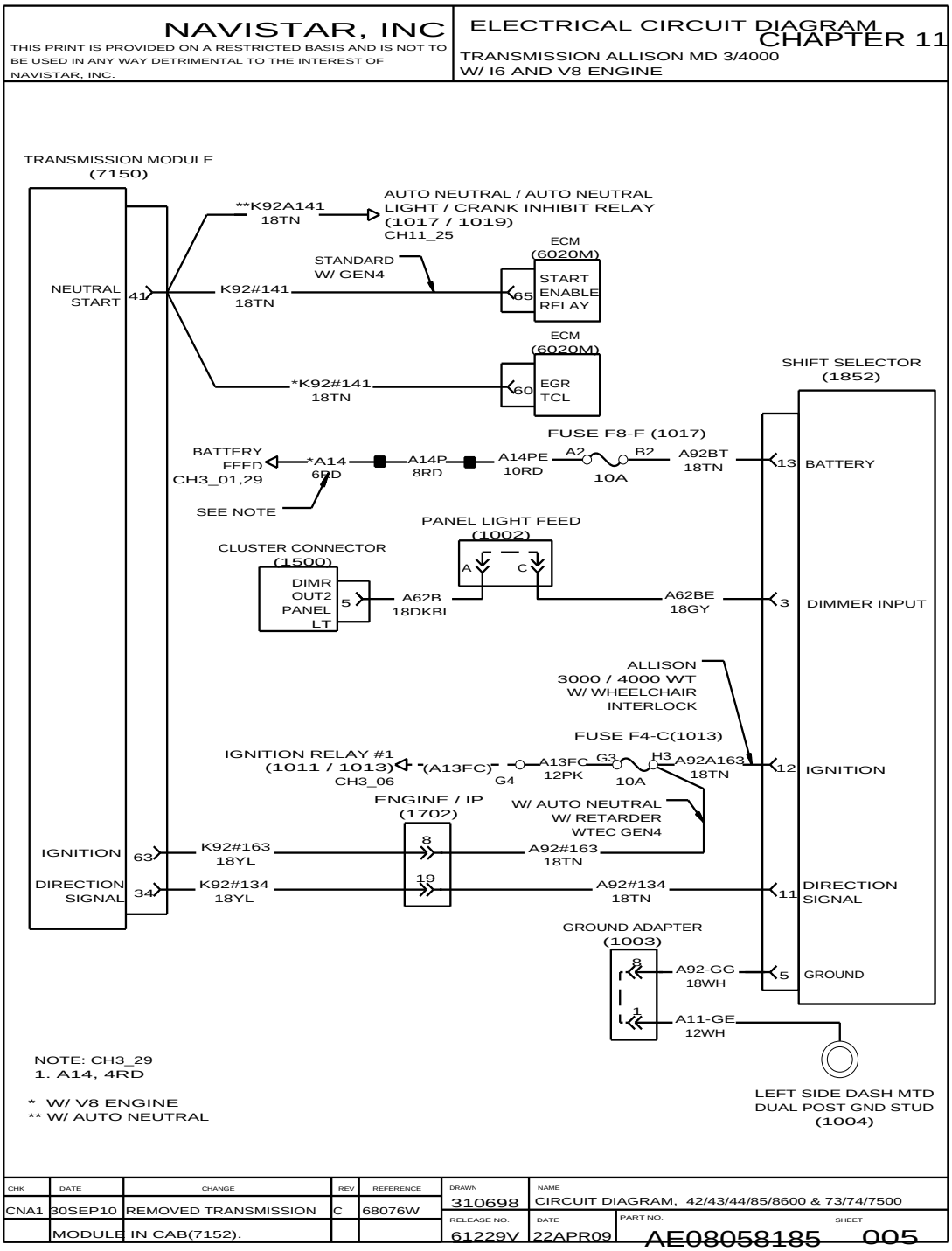


Figure 202 Transmission, Allison MD 3/4000 with I6 and V8 Engines

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

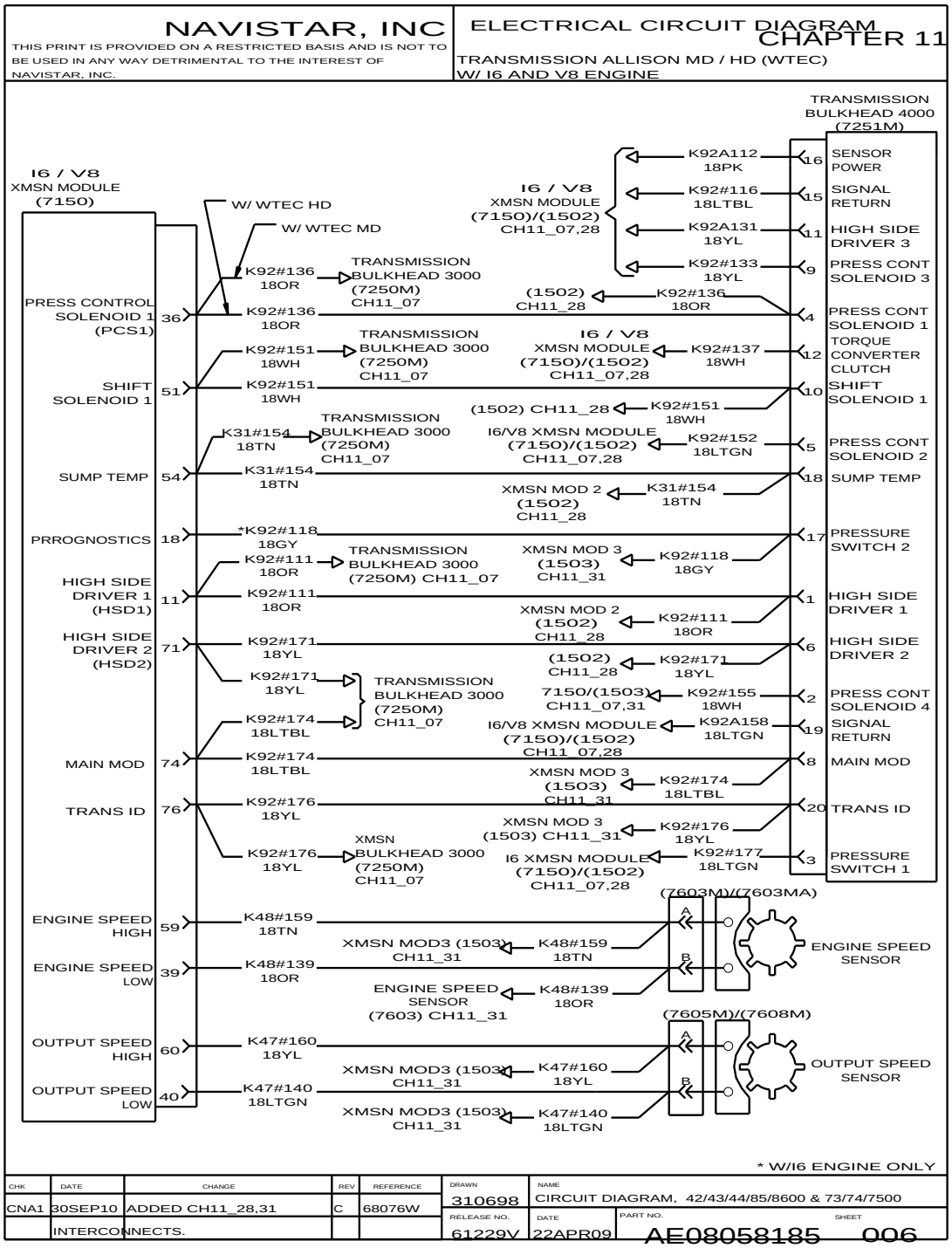


Figure 203 Transmission, Allison MD/HD (WTEC) with I6 and V8 Engines

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

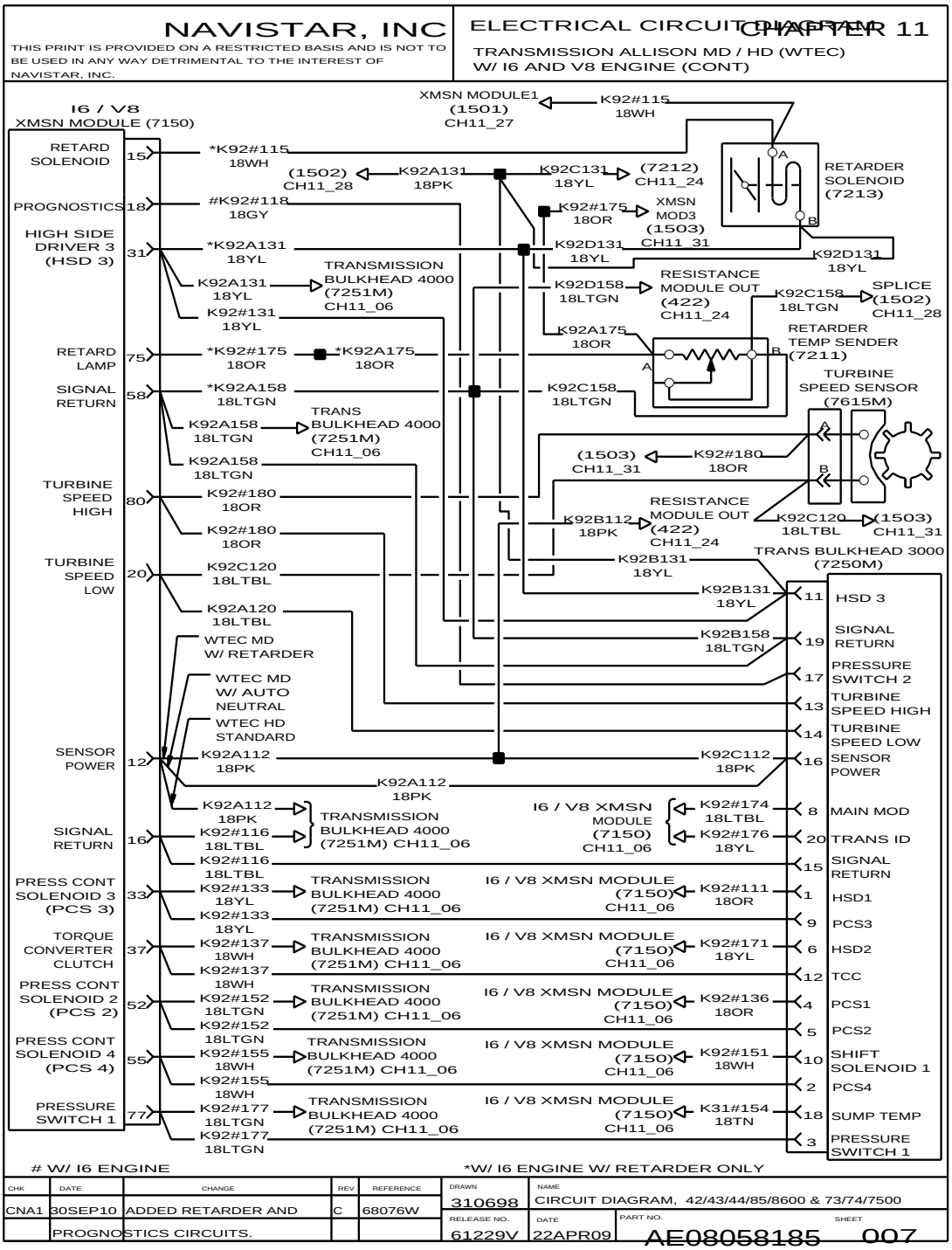


Figure 204 Transmission, Allison MD/HD (WTEC) with I6 and V8 Engines (Cont.)

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

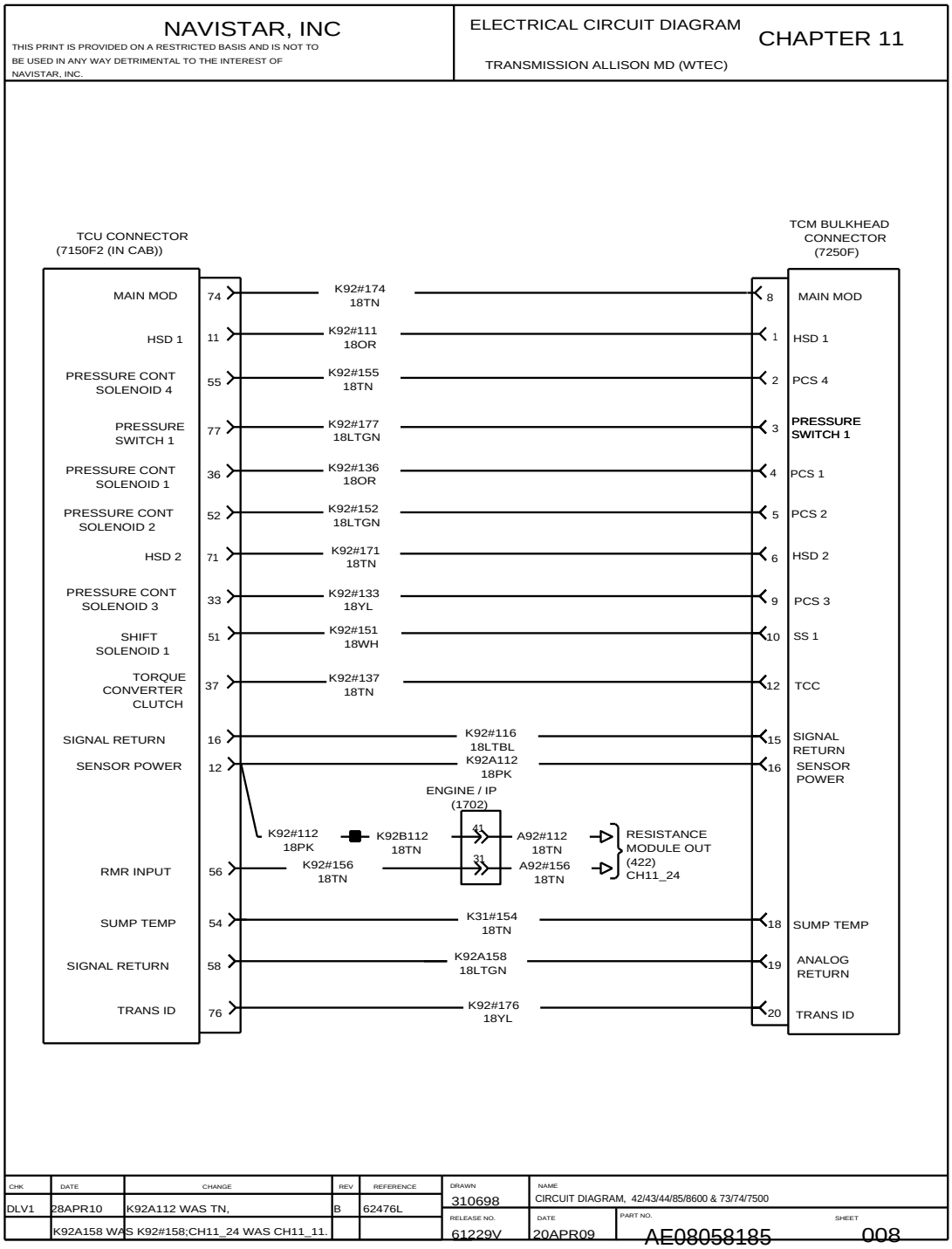


Figure 205 Transmission, Allison MD (WTEC)

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11.9. TRANSMISSION, ALLISON MD (WTEC), P. 9

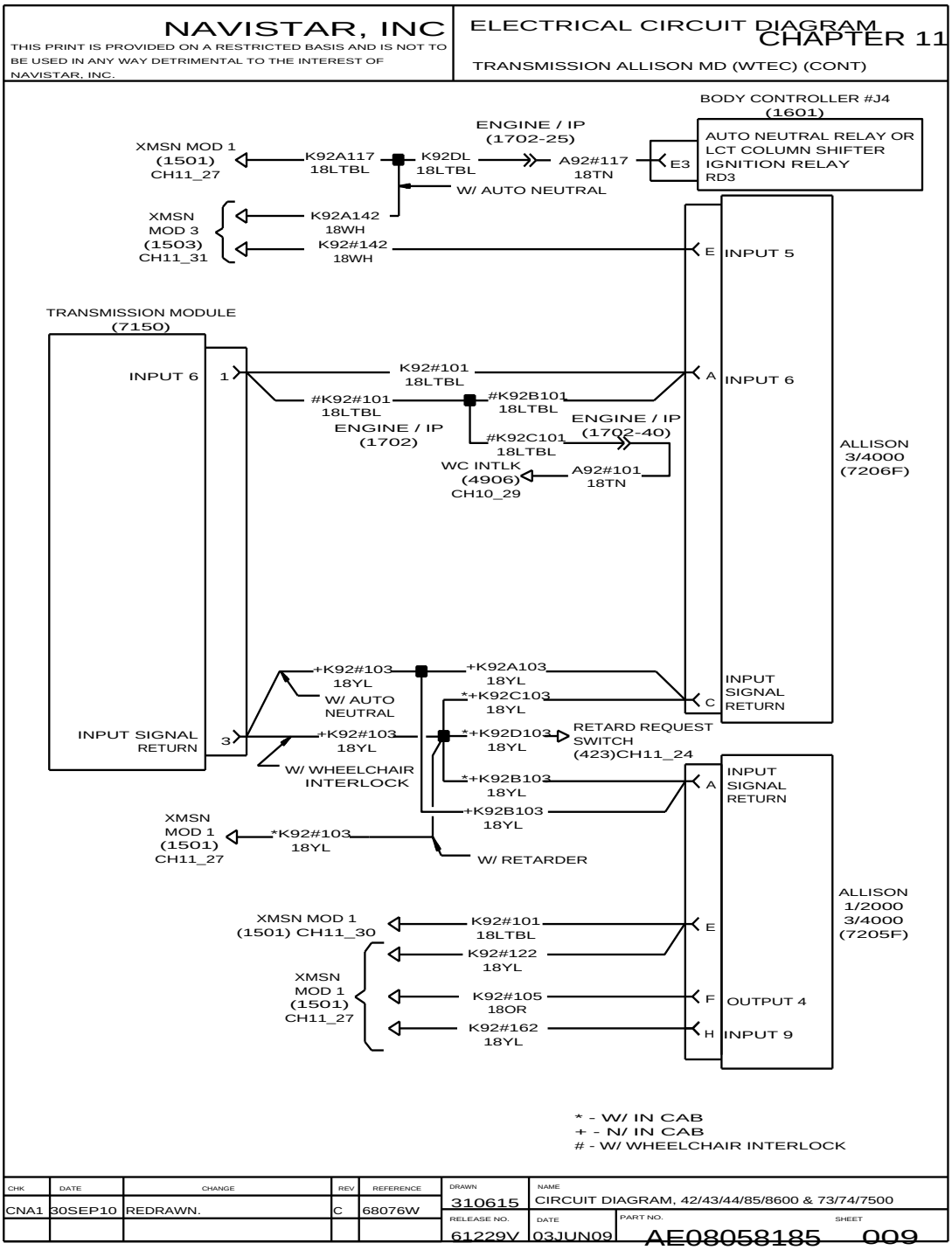


Figure 206 Transmission, Allison MD (WTEC)

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11.10. EATON AUTOSHIFT, P. 10

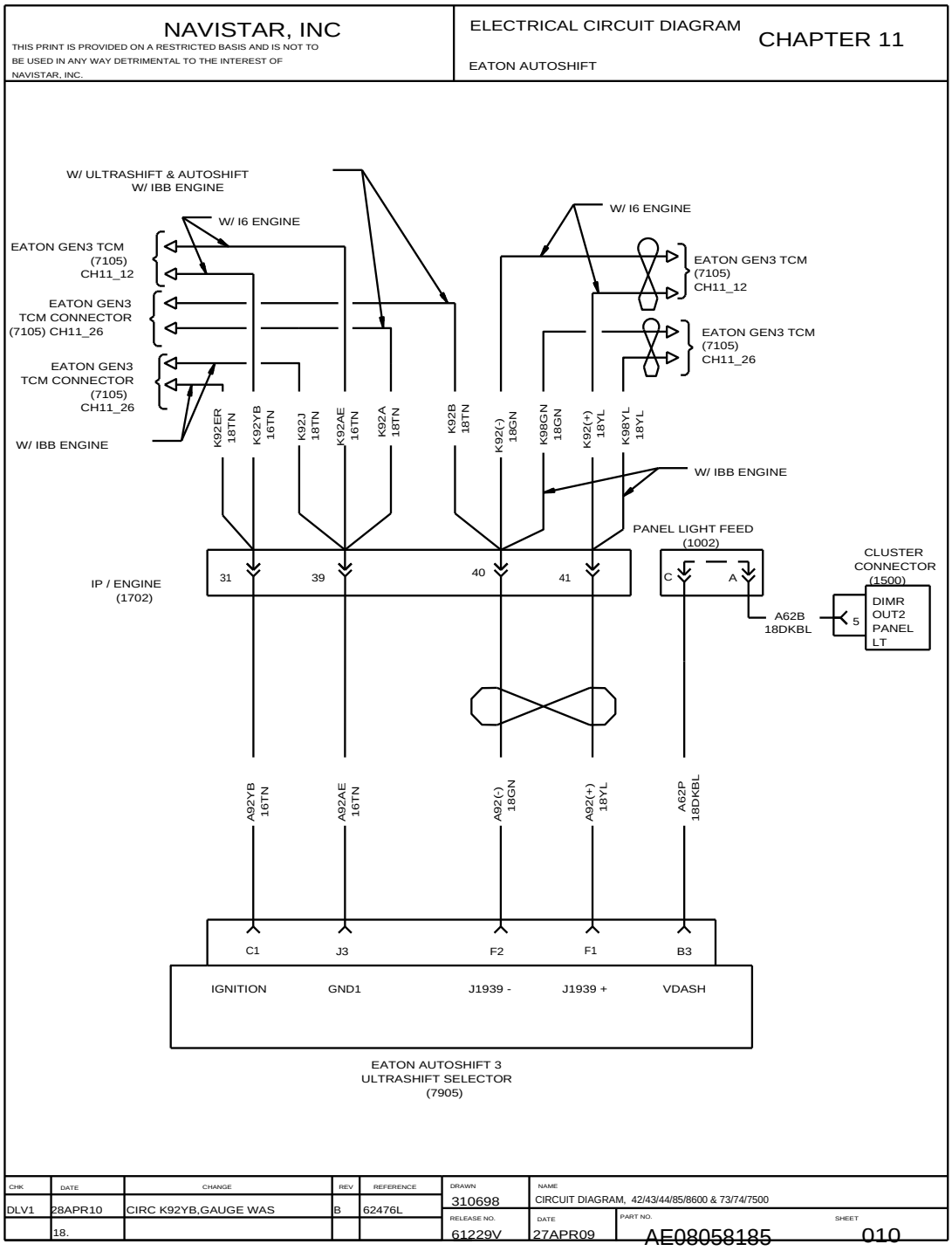


Figure 207 Eaton Autoshift

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11.11. EATON AUTOSHIFT, P. 11

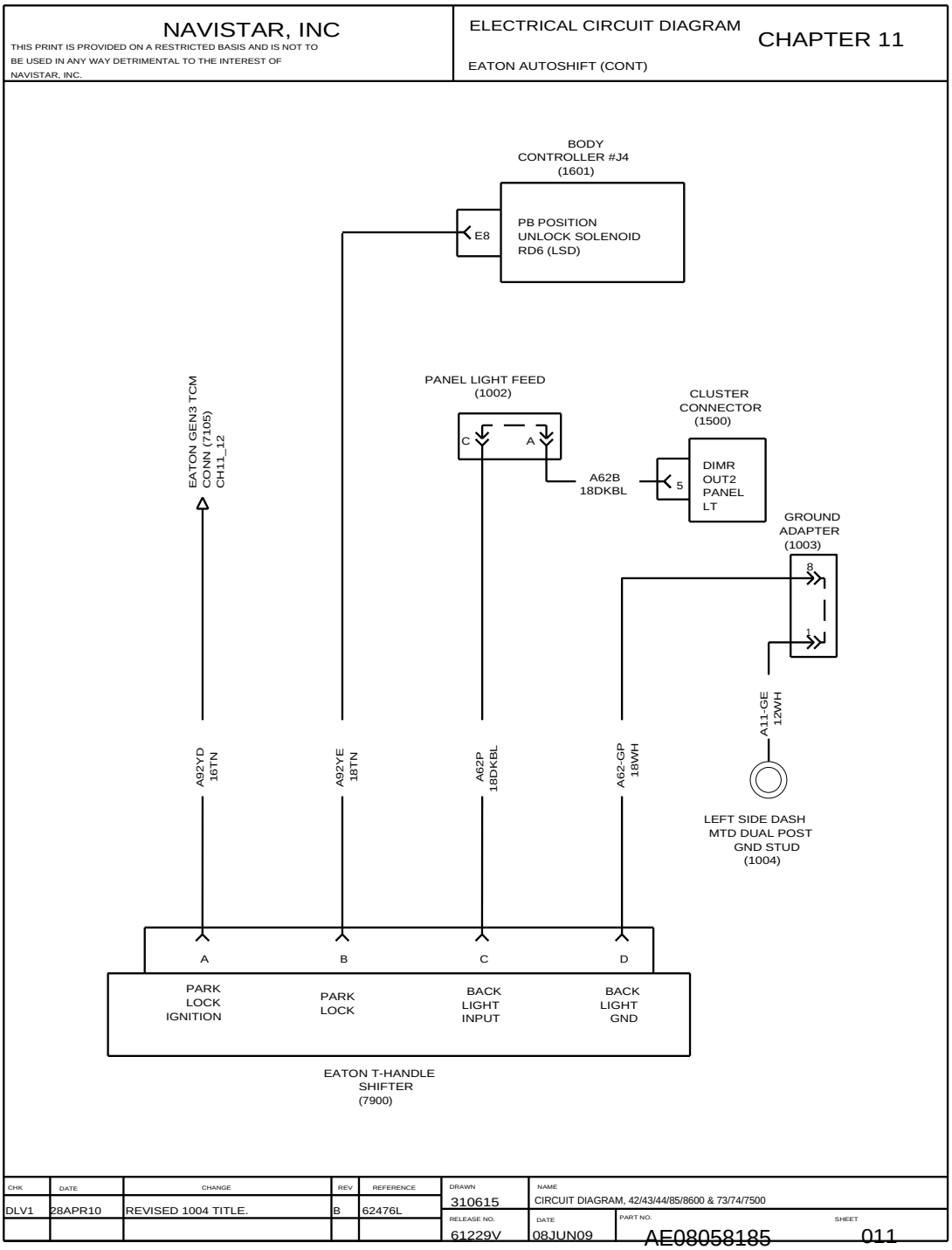


Figure 208 Eaton Autoshift

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11.12. EATON AUTOSHIFT TRANSMISSION W/ I6 ENGINE, P. 12

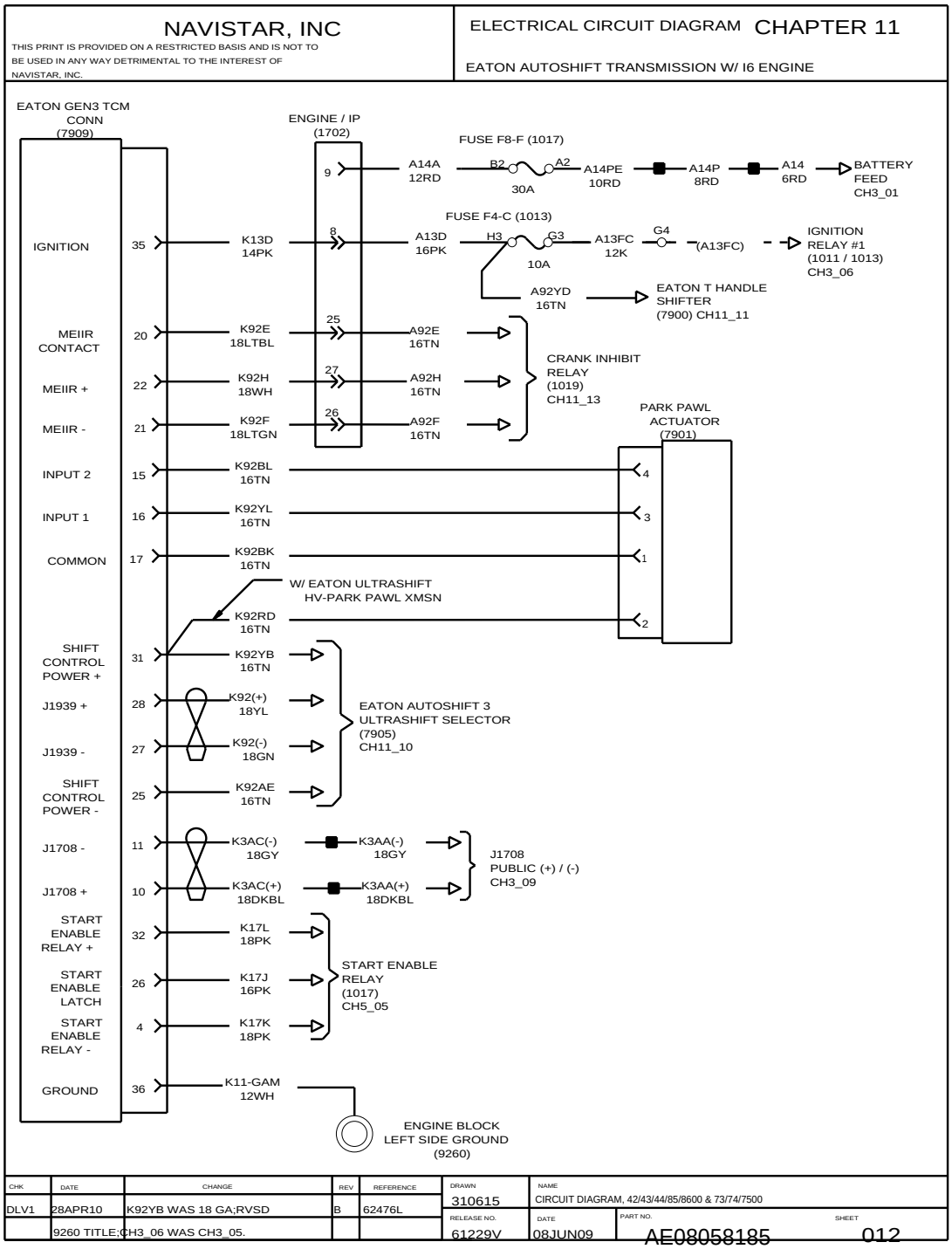


Figure 209 Eaton Autoshift Transmission w/ I6 Engine

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11.13. EATON ULTRASHIFT GEN 3/ MERITOR G MANUAL TRANSMISSION, P. 13

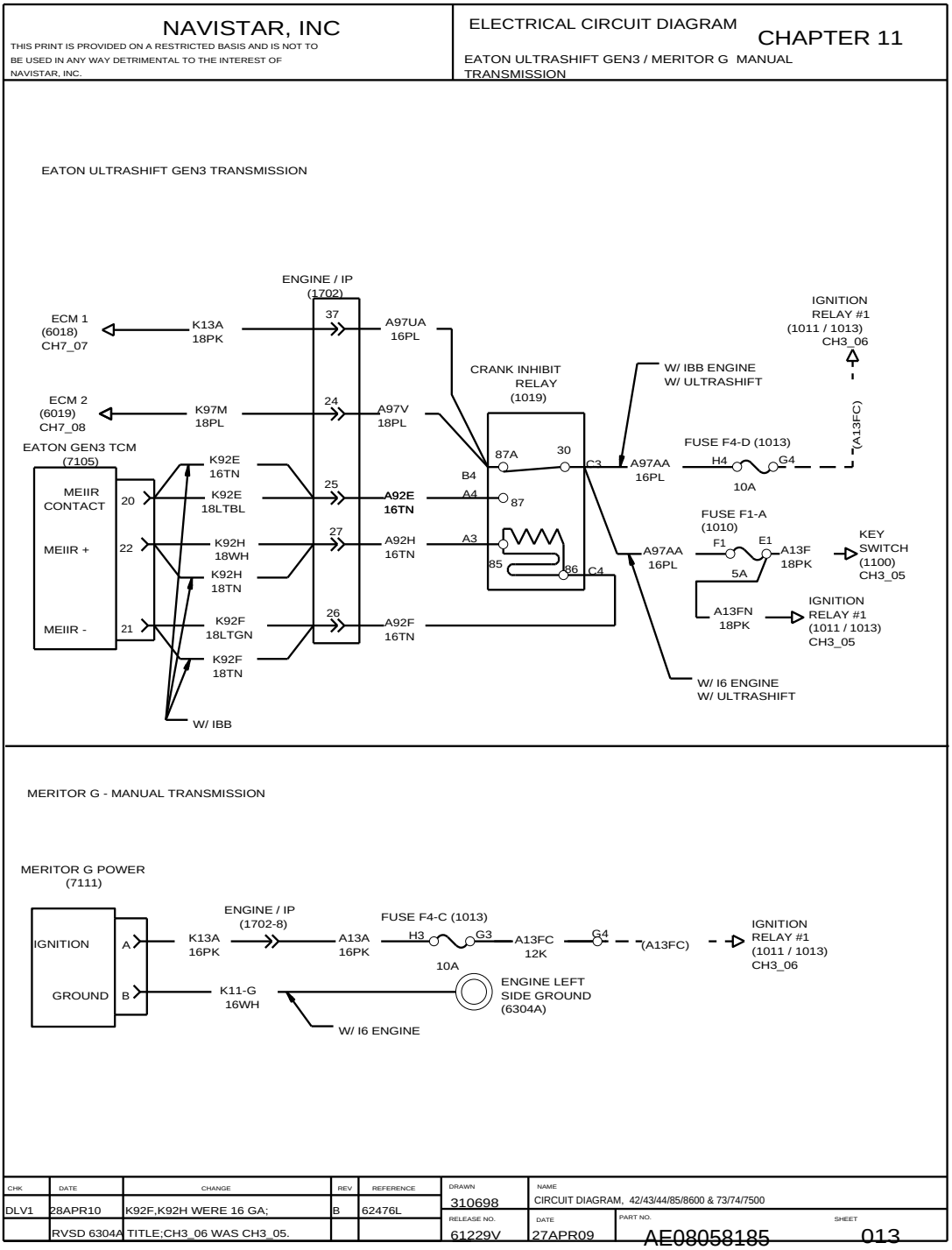


Figure 210 Eaton Ultrashift Gen 3/ Meritor G Manual Transmission

https://truckmanualshub.com/

11.14. EATON HYBRID TRANSMISSION, P. 14

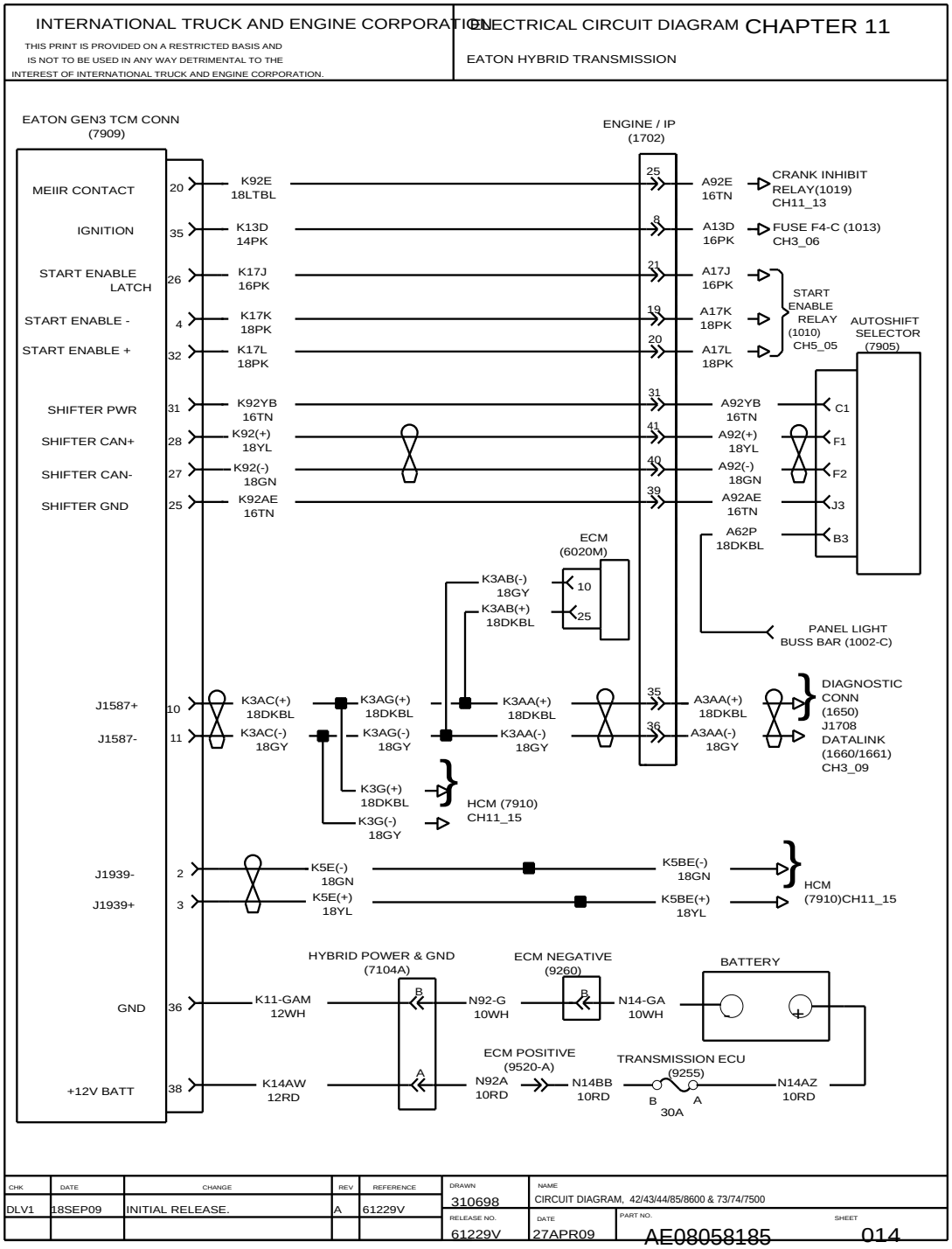


Figure 211 Eaton Hybrid Transmission

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11.15. EATON HYBRID TRANSMISSION, P. 15

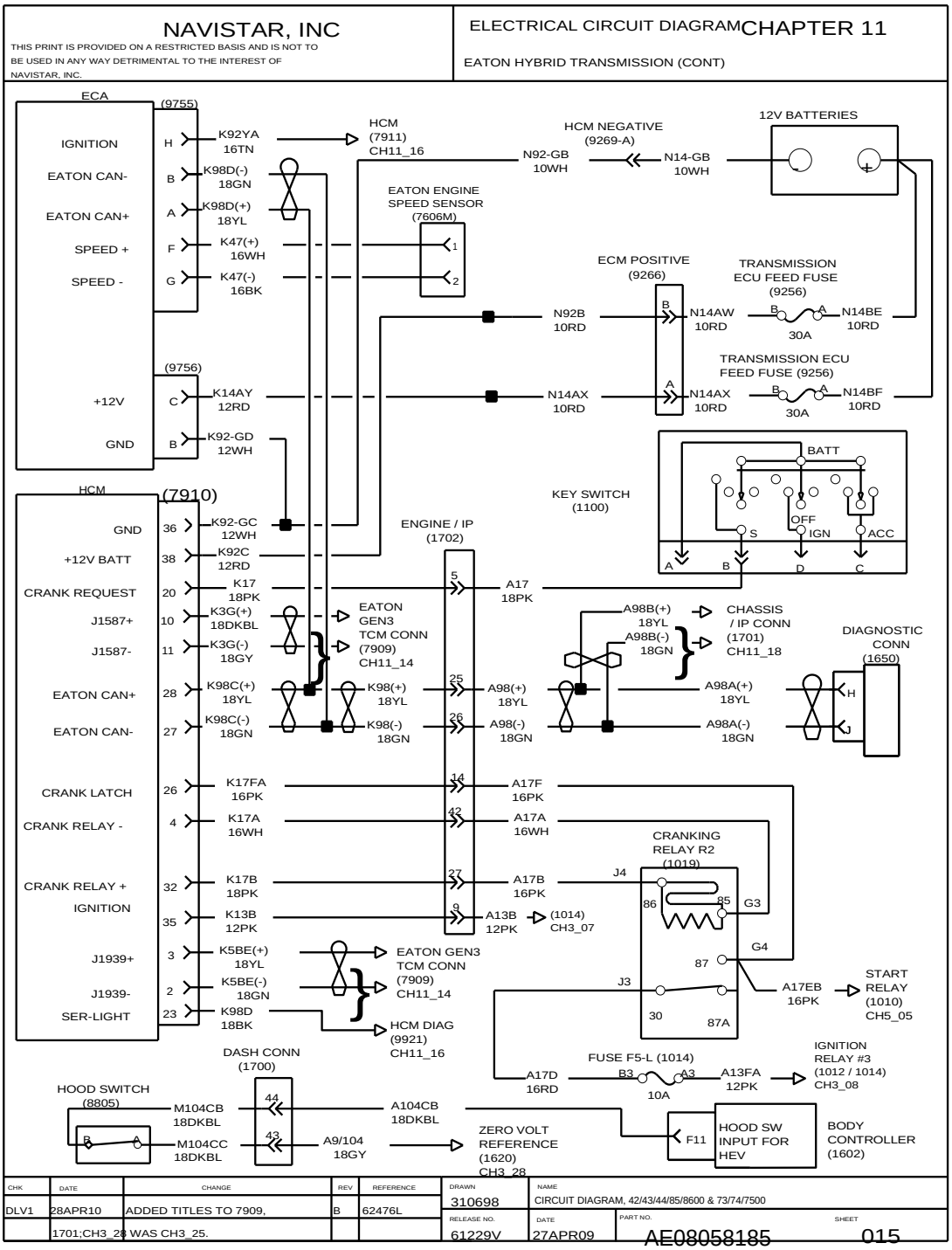


Figure 212 Eaton Hybrid Transmission

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11.16. EATON HYBRID TRANSMISSION, P. 16

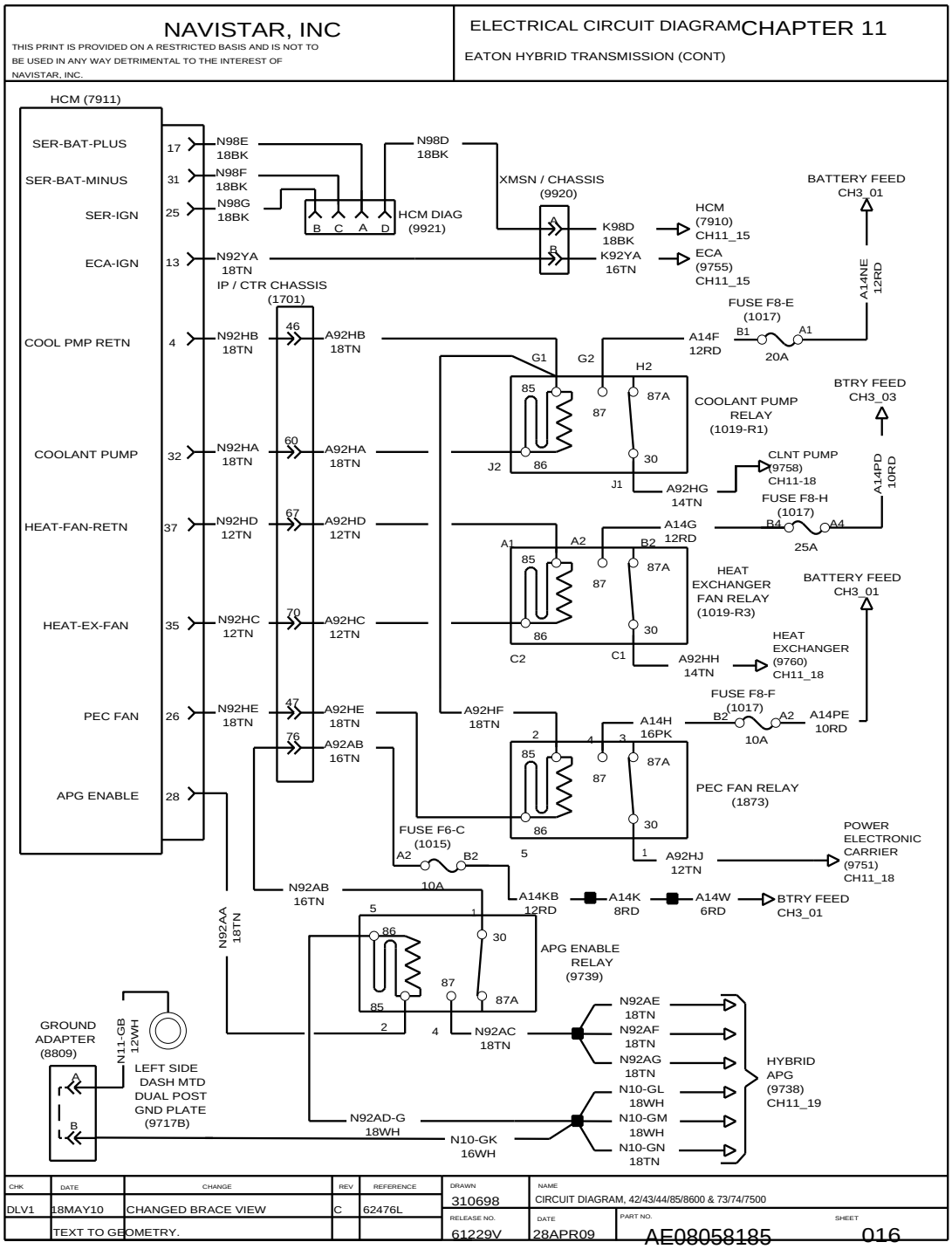


Figure 213 Eaton Hybrid Transmission

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11.17. EATON HYBRID TRANSMISSION, P. 17

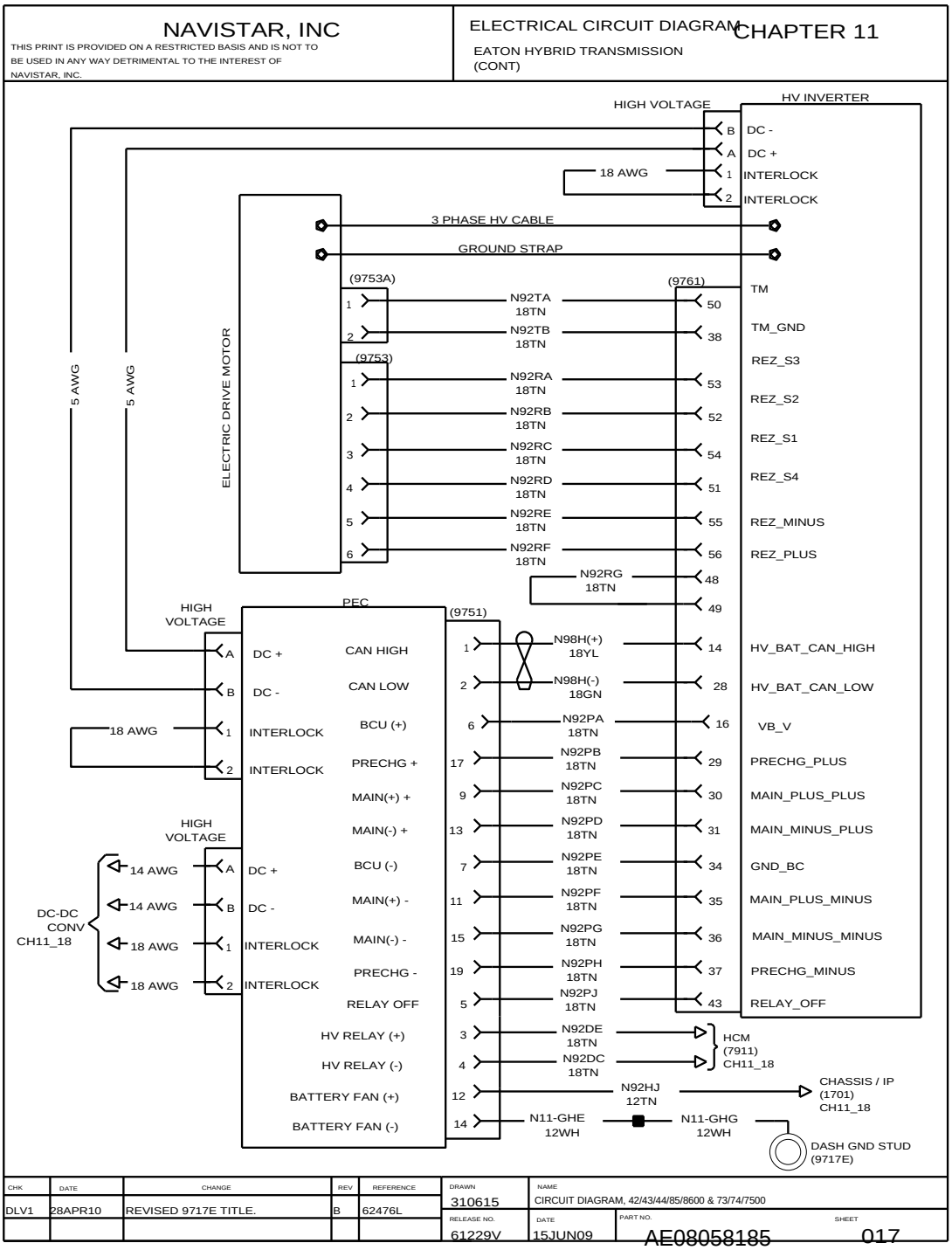


Figure 214 Eaton Hybrid Transmission

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11.18. EATON HYBRID TRANSMISSION, P. 18

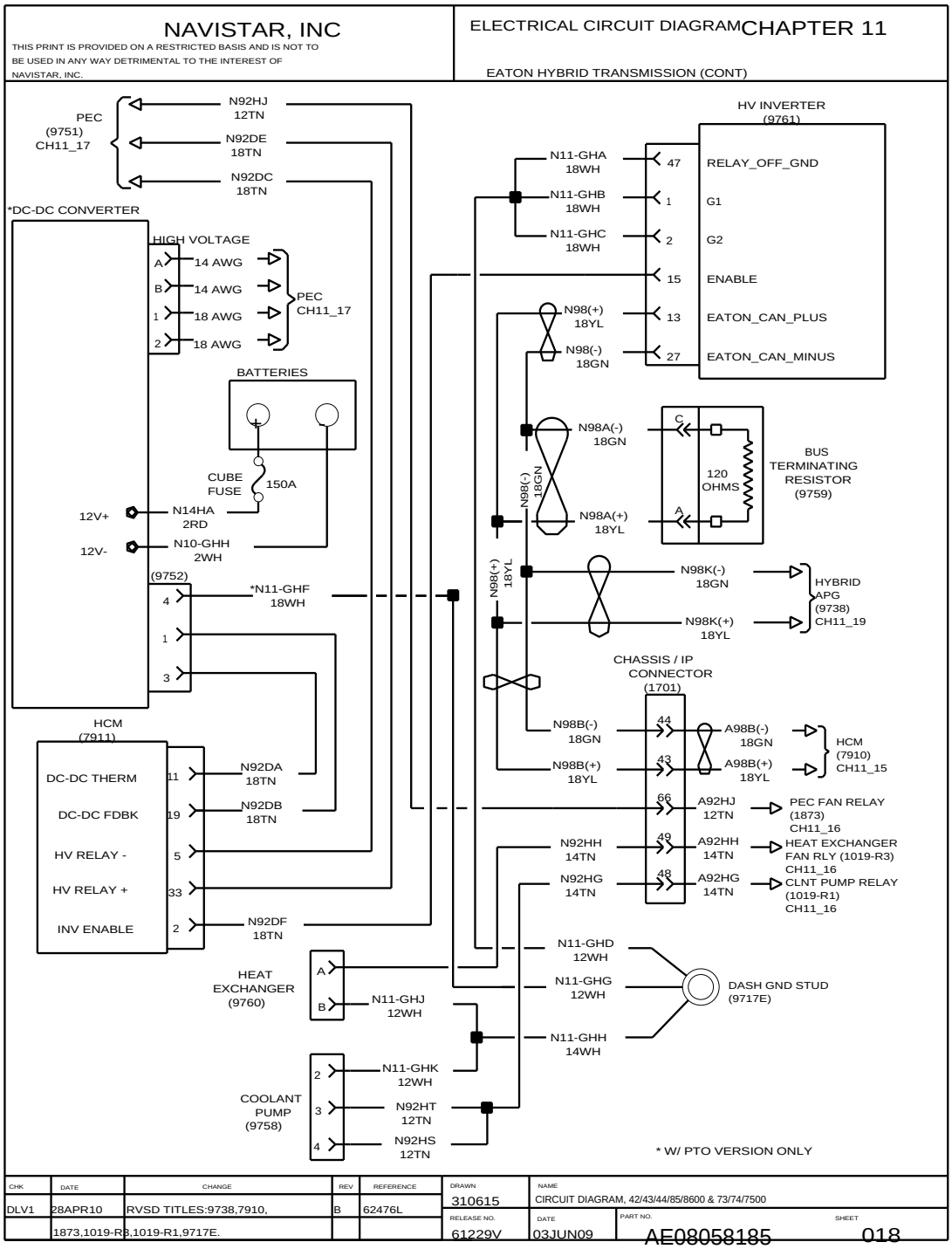


Figure 215 Eaton Hybrid Transmission

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11.19. EATON HYBRID TRANSMISSION, P. 19

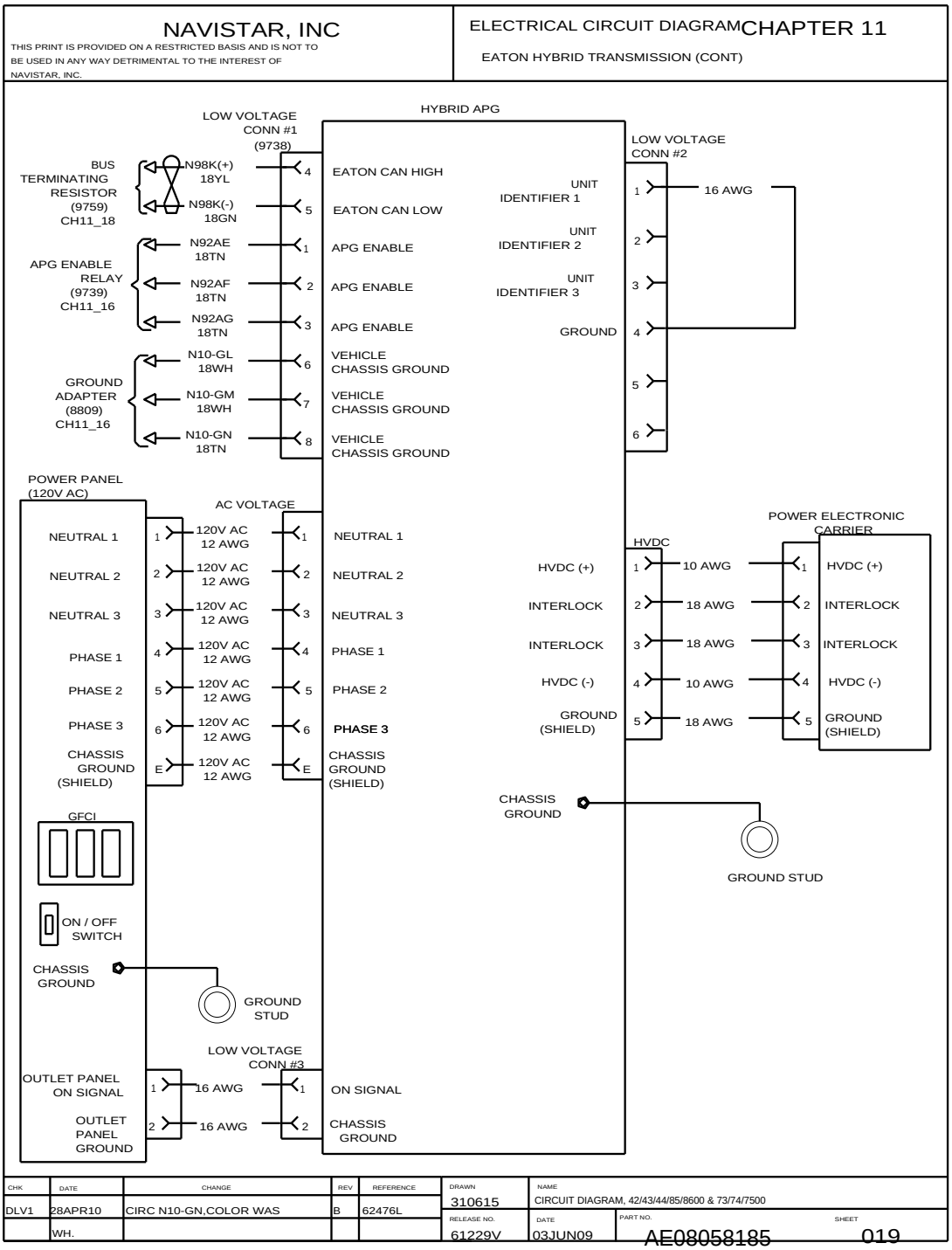


Figure 216 Eaton Hybrid Transmission

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11.20. TRANSMISSION ALLISON W/ IBB ENGINE, P. 20

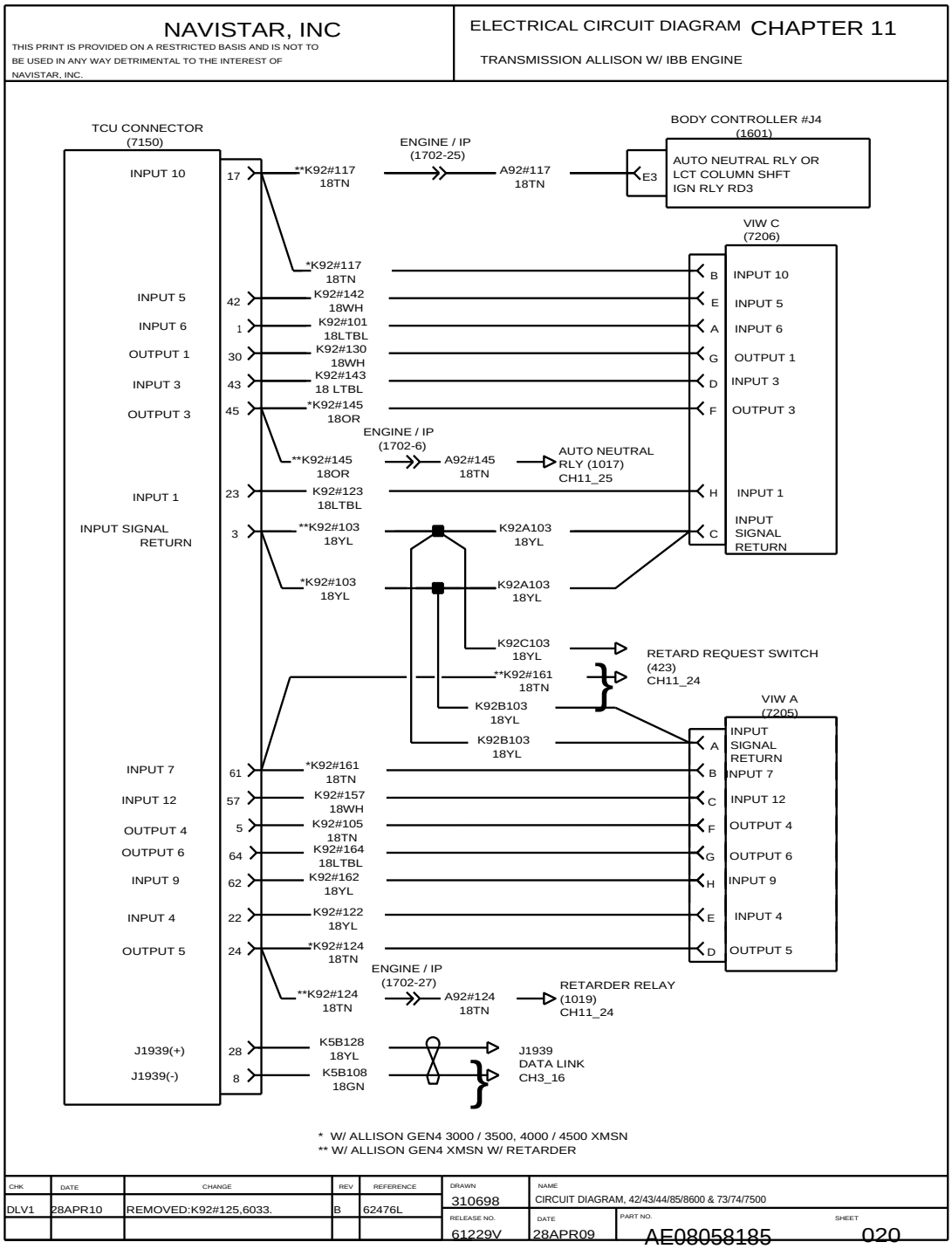


Figure 217 Transmission Allison w/ IBB Engine

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11.21. TRANSMISSION ALLISON W/ IBB ENGINE, P. 21

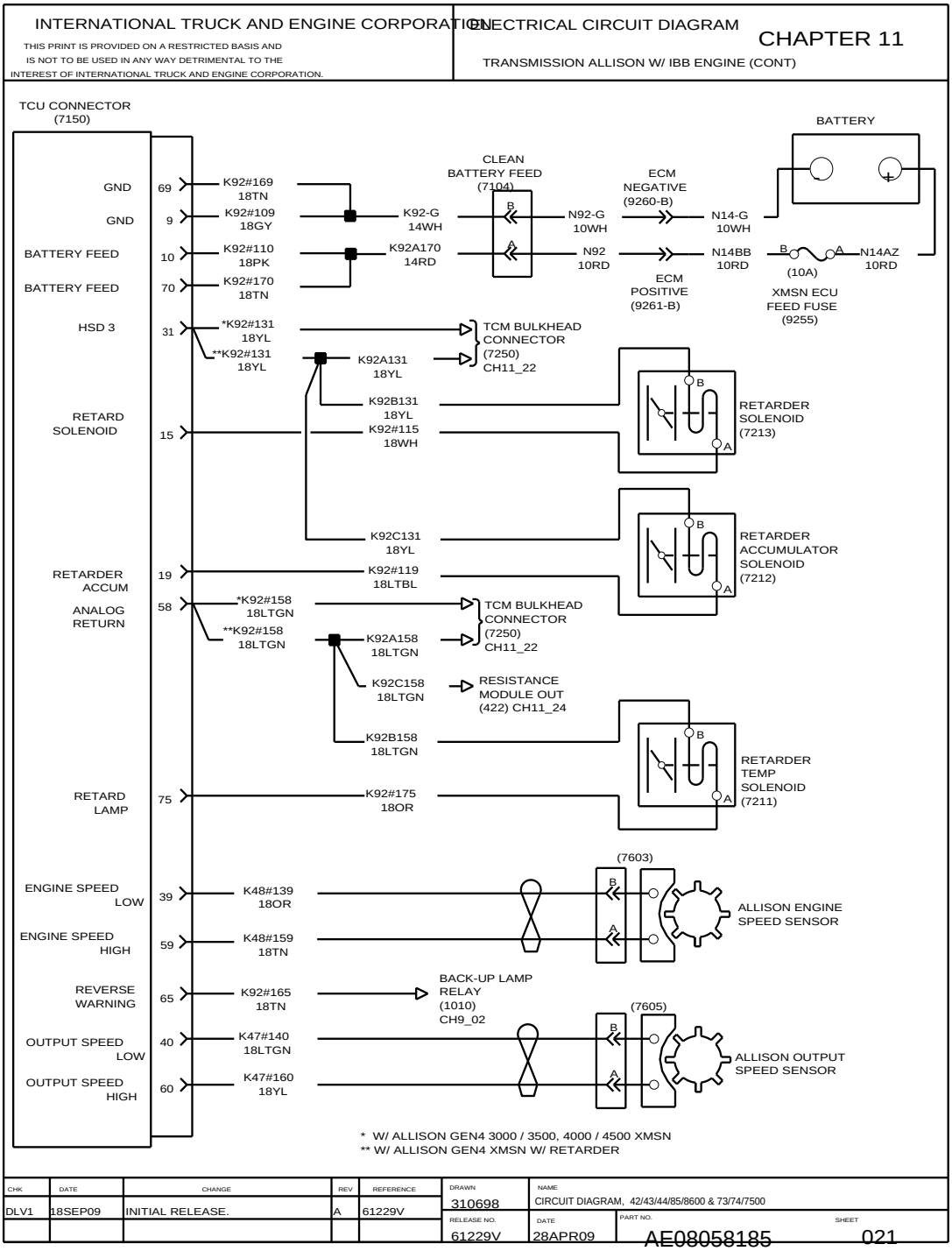


Figure 218 Transmission Allison w/ IBB Engine

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11.22. TRANSMISSION ALLISON W/ IBB ENGINE, P. 22

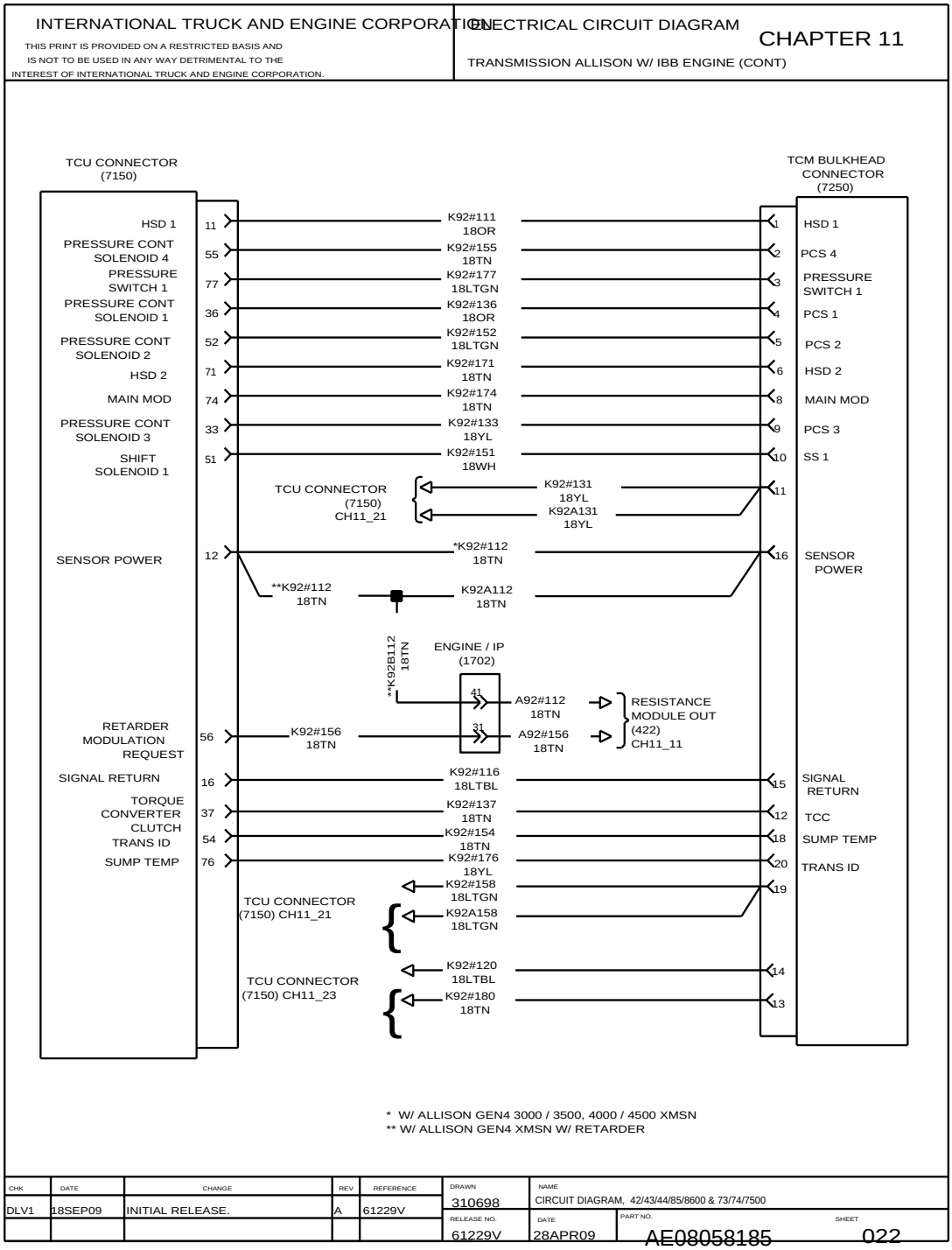


Figure 219 Transmission Allison w/ IBB Engine

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11.23. TRANSMISSION ALLISON W/ IBB ENGINE, P. 23

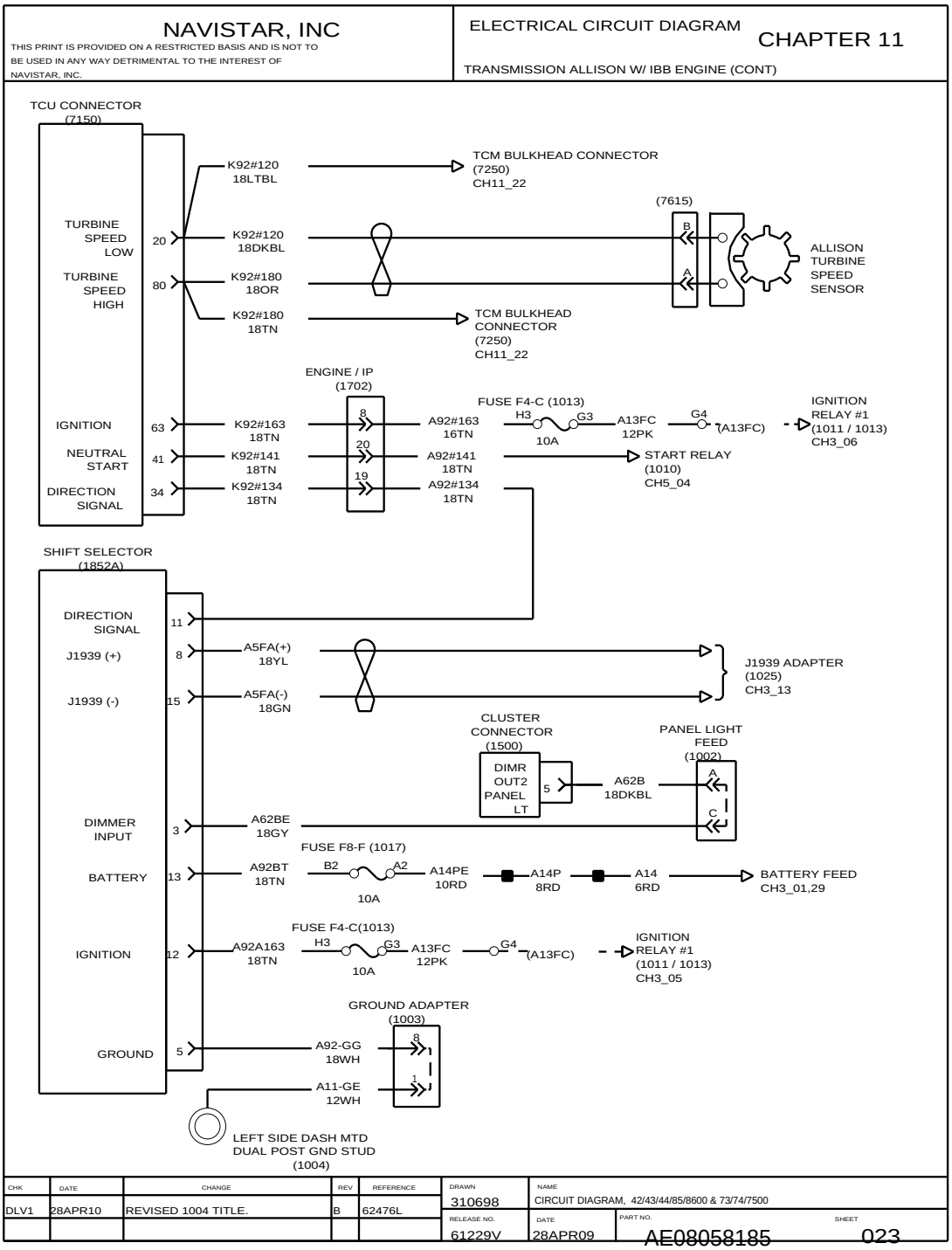


Figure 220 Transmission Allison w/ IBB Engine

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11.24. TRANSMISSION RETARDER CONTROLS WIRING W/ MD XMSN HARD WIRED EFFECTS, P. 24

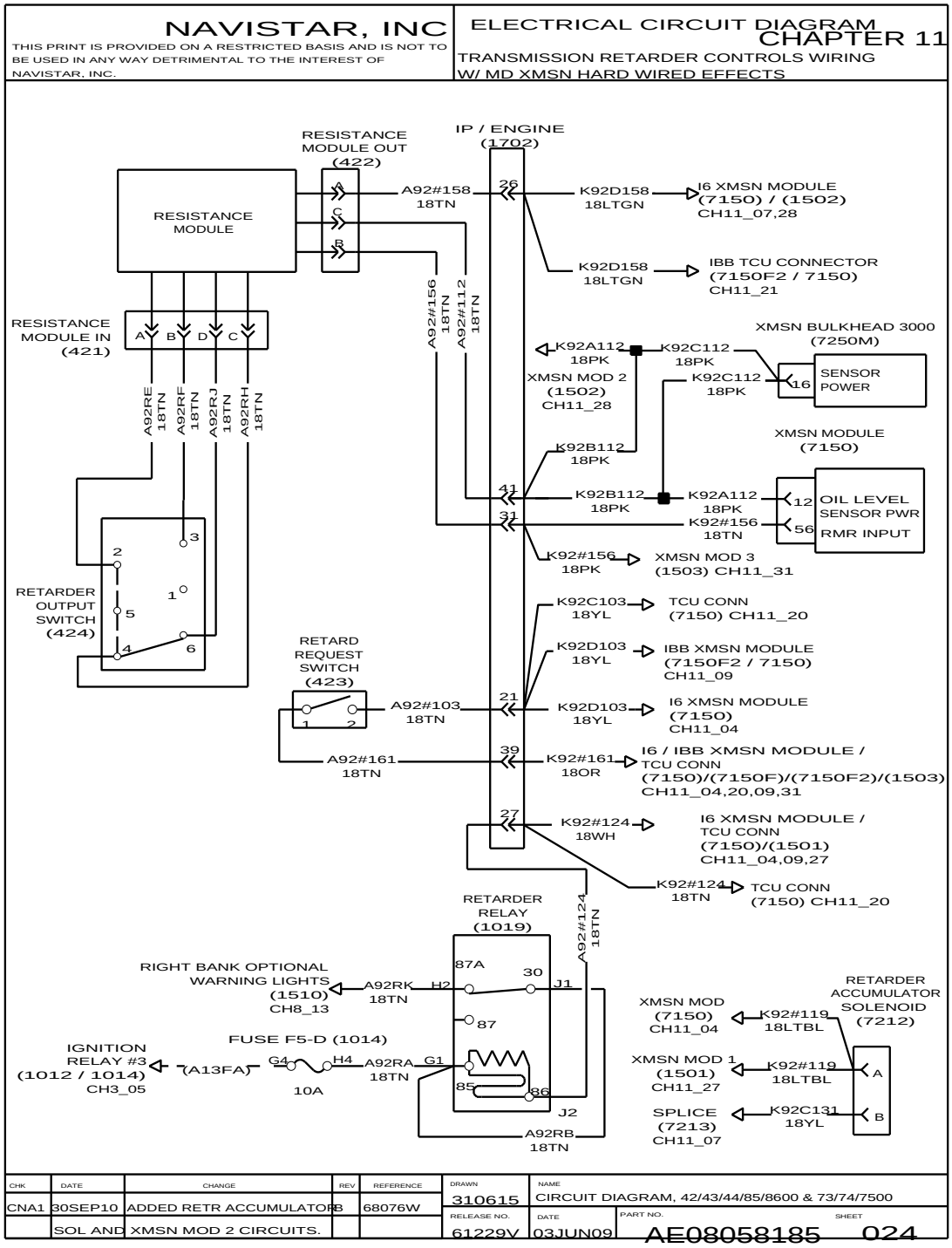


Figure 221 Transmission Retarder Controls Wiring w/ MD Xmsn Hard Wired Effects

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11.25. ALLISON TRANSMISSION 3/4000 GEN 4 W/ AUTO NEUTRAL, P. 25

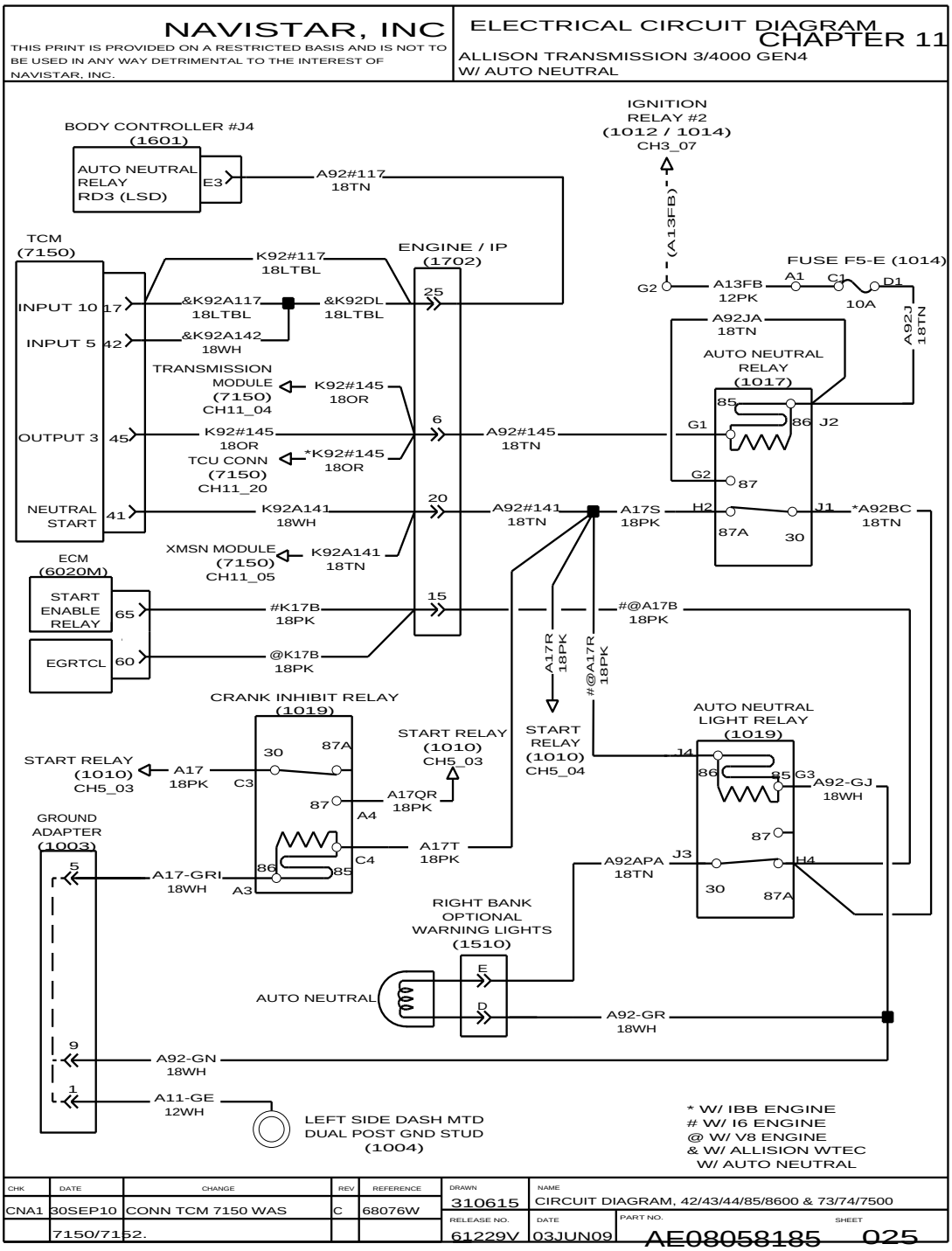


Figure 222 Allison Transmission 3/4000 Gen 4 w/ Auto Neutral

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11.26. EATON AUTO AND ULTRASHIFT GEN 3 TRANSMISSION WITH IBB ENGINE, P. 26

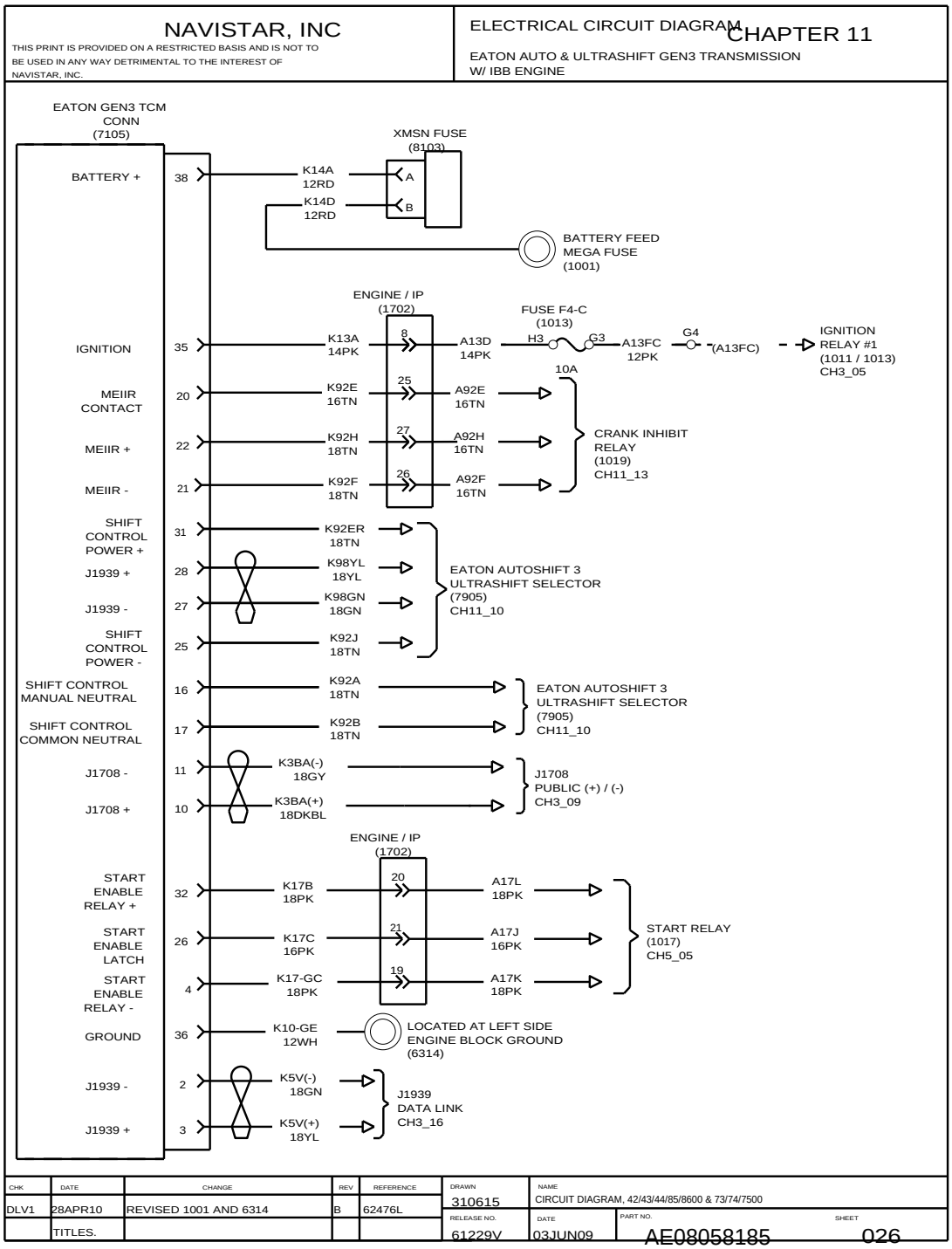


Figure 223 Eaton Auto and Ultrashift Gen 3 Transmission with IBB Engine

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11.27. WTEC TRANSMISSION WITH GEN4 WITH MD WITH I6 ENGINE, P. 27

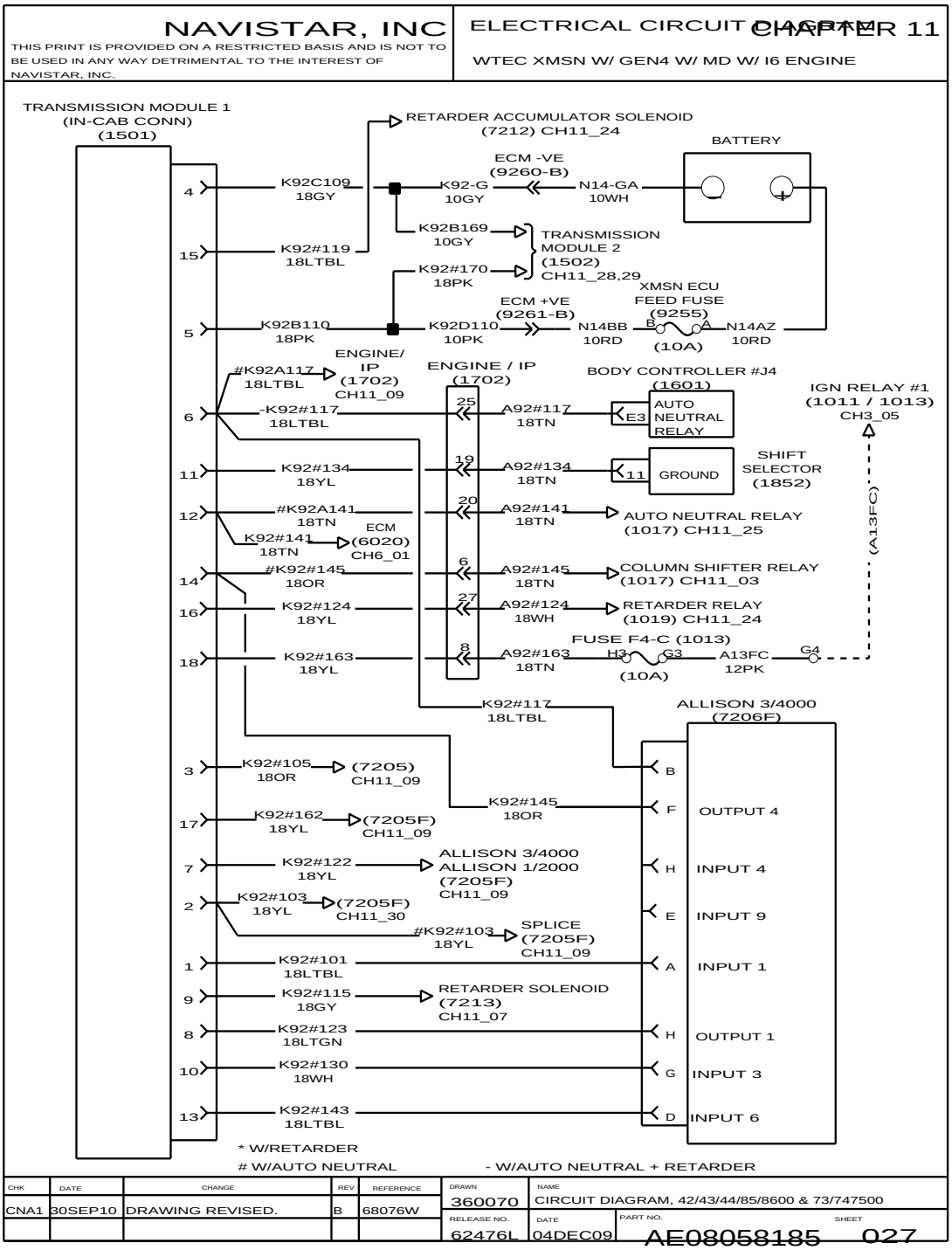


Figure 224 WTEC Transmission with Gen4 with MD with I6 Engine

https://truckmanualshub.com/

11.28. WTEC TRANSMISSION WITH GEN4 WITH MD WITH I6 ENGINE, P. 28

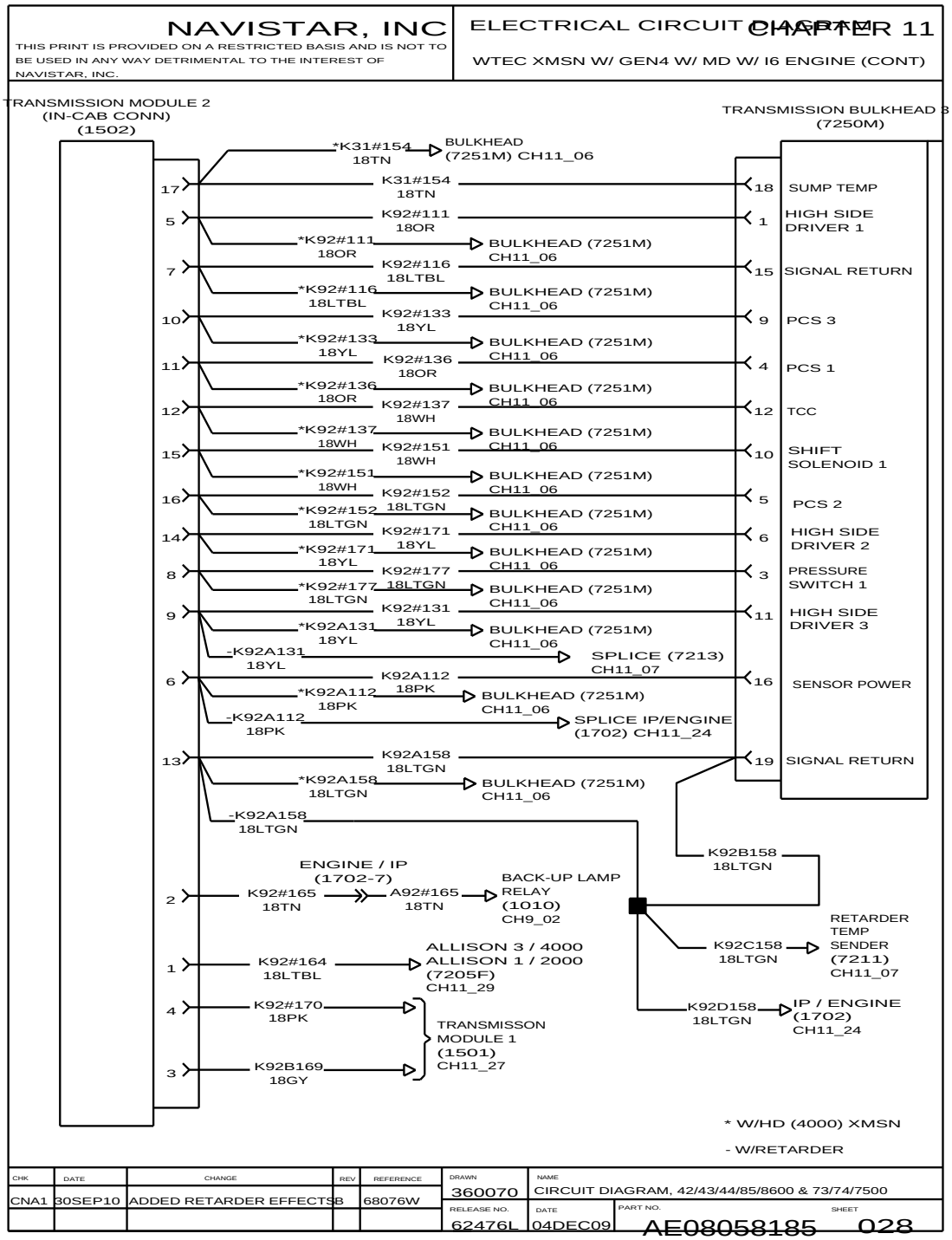


Figure 225 WTEC Transmission with Gen4 with MD with I6 Engine

https://truckmanualshub.com/

11.29. LCT TRANSMISSION WITH GEN4 WITH MD WITH I6 ENGINE, P. 29

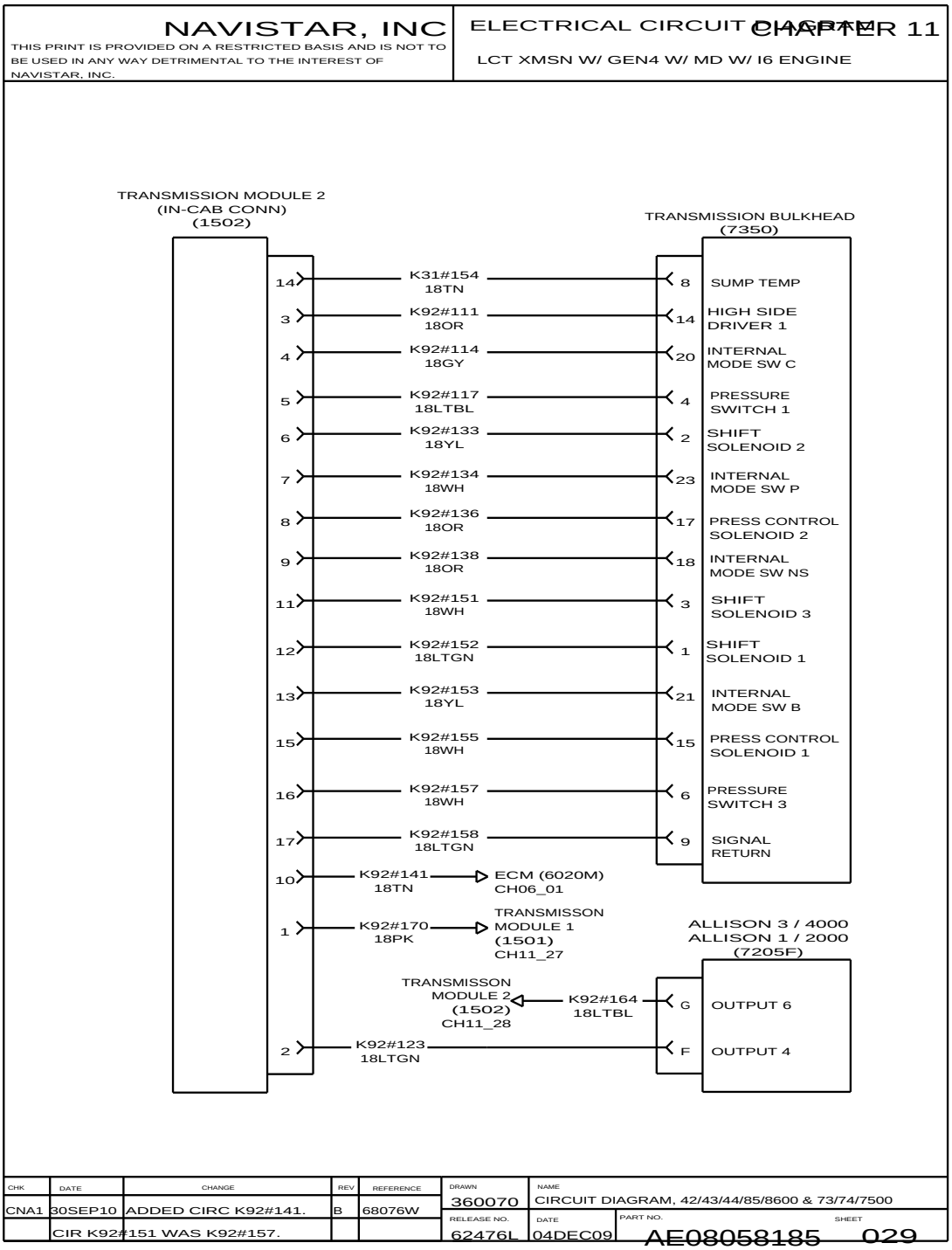


Figure 226 LCT Transmission with Gen4 with MD with I6 Engine

https://truckmanualshub.com/

11.30. LCT TRANSMISSION WITH GEN4 WITH MD WITH I6 ENGINE, P. 30

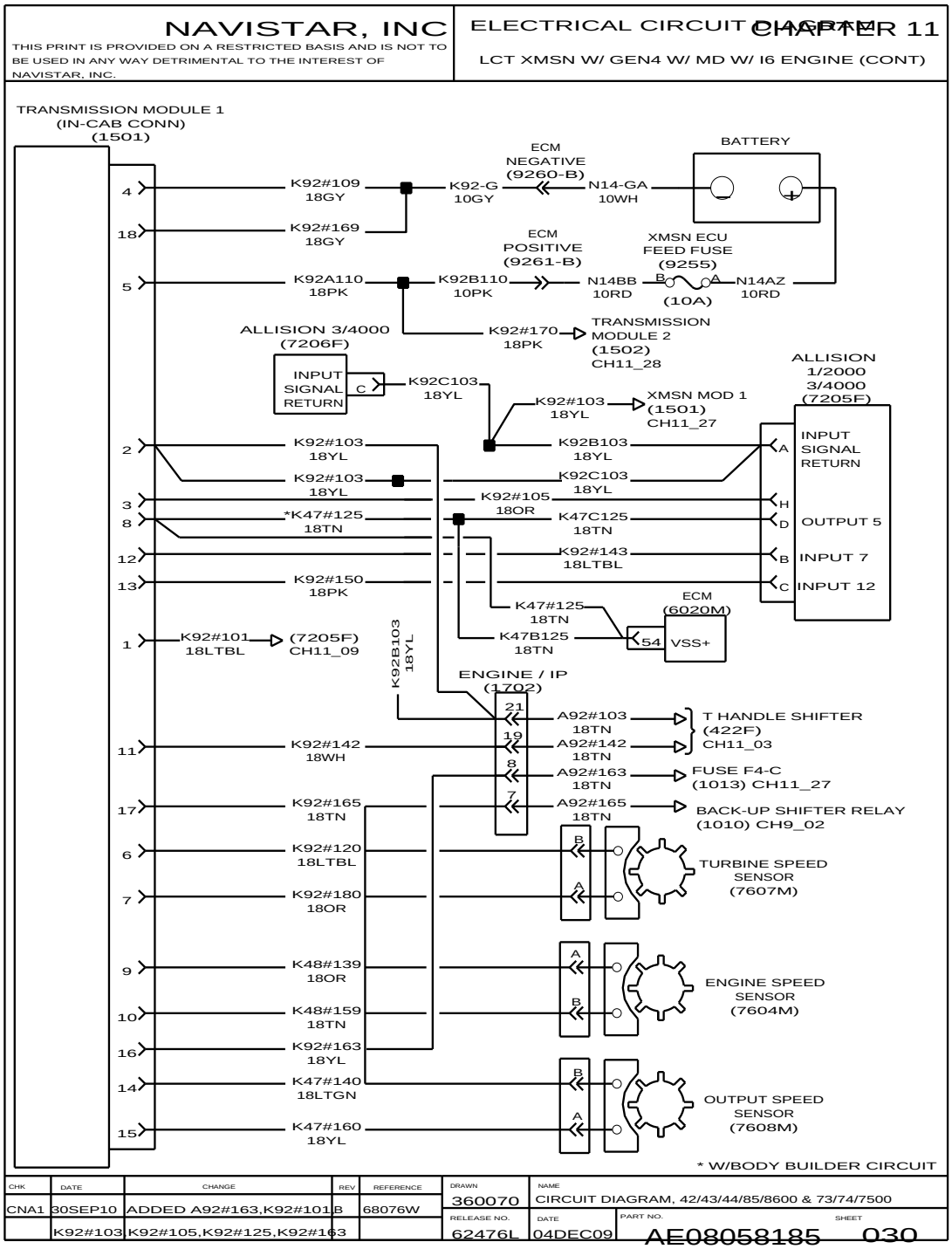


Figure 227 LCT Transmission with Gen4 with MD with I6 Engine

https://truckmanualshub.com/

11.31. LCT AND WTEC TRANSMISSION WITH GEN4 WITH MD WITH I6 ENGINE, P. 31

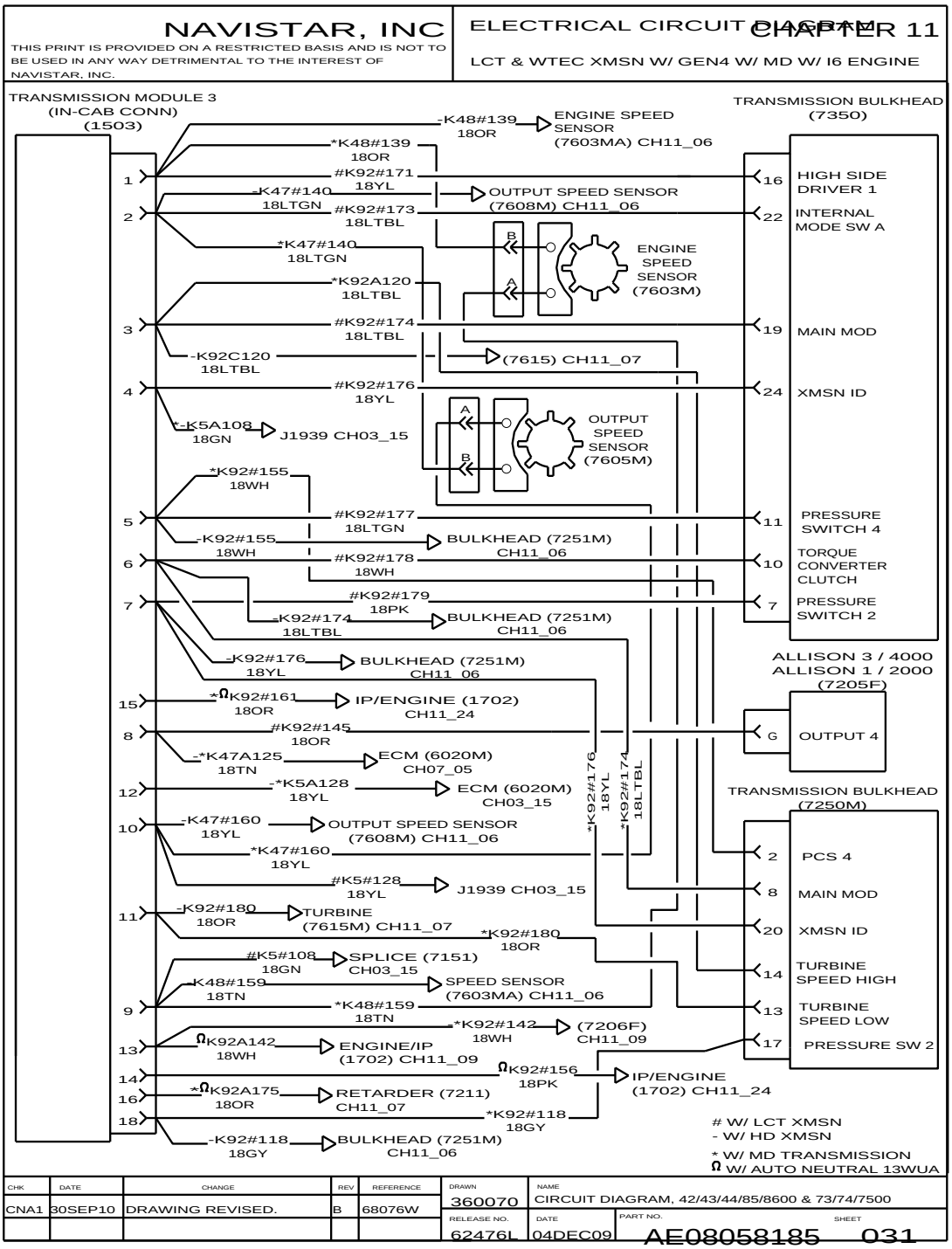


Figure 228 LCT and WTEC Transmission with Gen4 with MD with I6 Engine

https://truckmanualshub.com/

12. AIR CONDITIONING (CHAPTER 12)

12.1. AIR CONDITIONING, P. 1

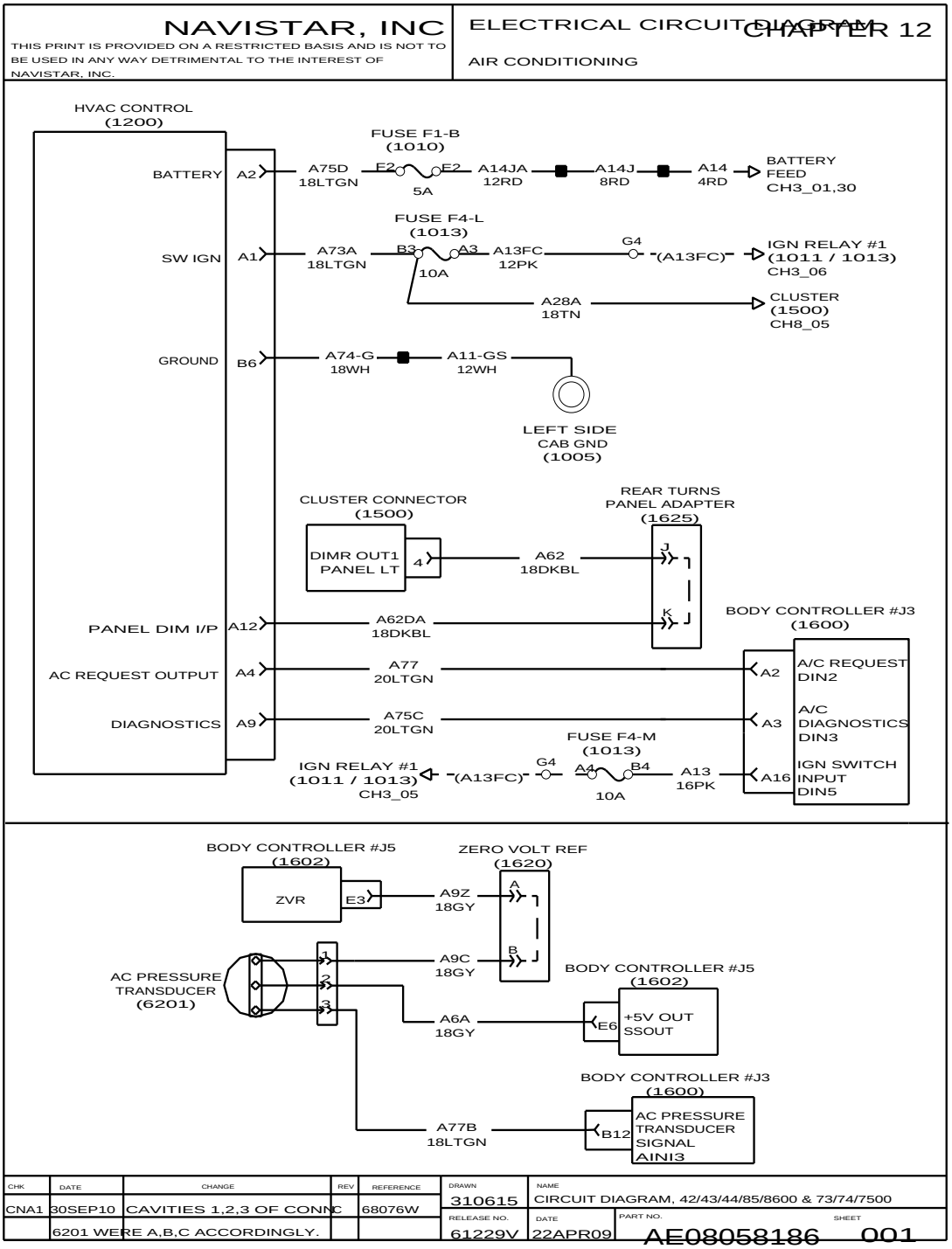


Figure 229 Air Conditioning

https://truckmanualshub.com/

12.2. AIR CONDITIONING, P. 2

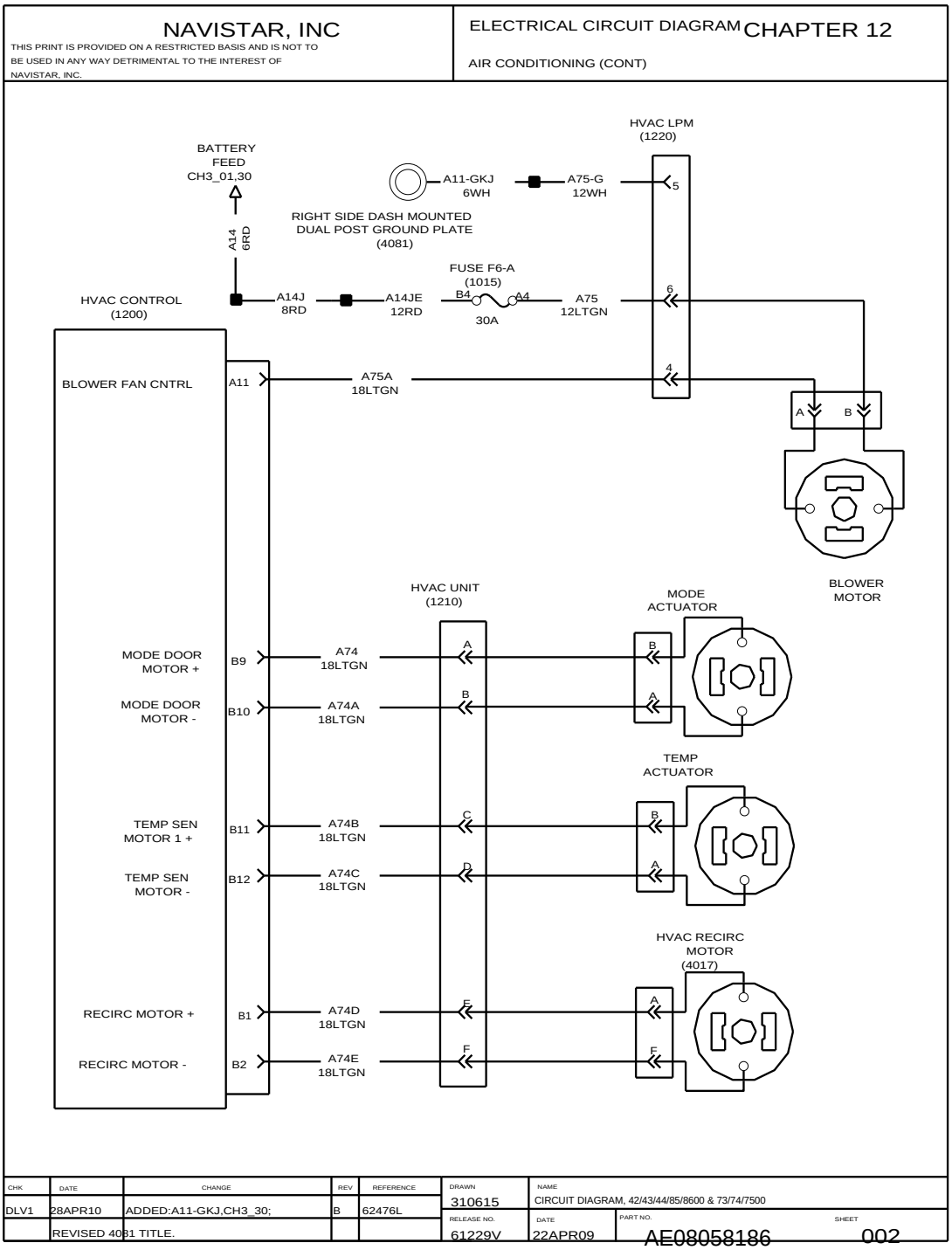


Figure 230 Air Conditioning (Cont.)

https://truckmanualshub.com/

12.3. HVAC SYSTEM, P. 3

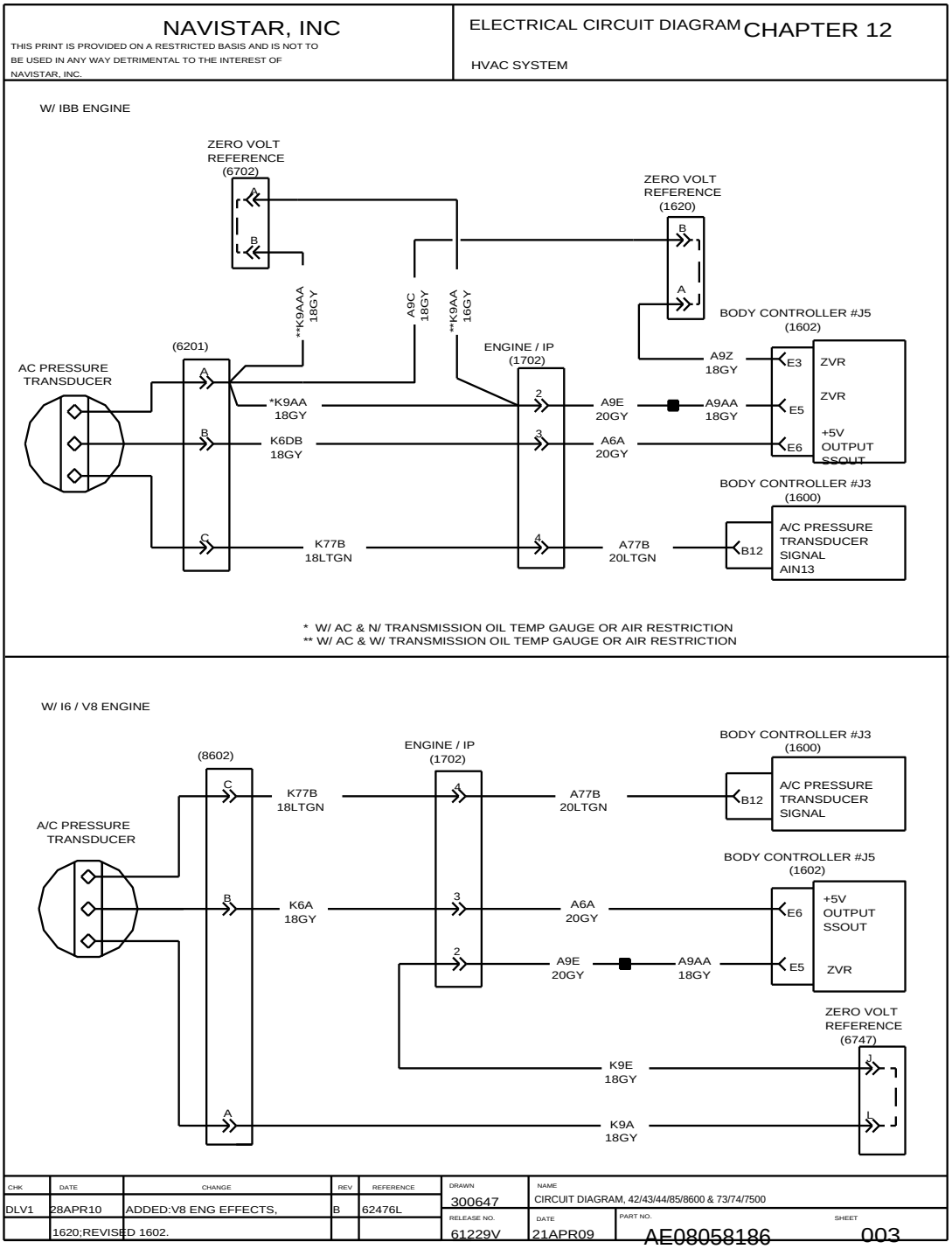


Figure 231 HVAC System

https://truckmanualshub.com/

12.4. HVAC SYSTEM, P. 4

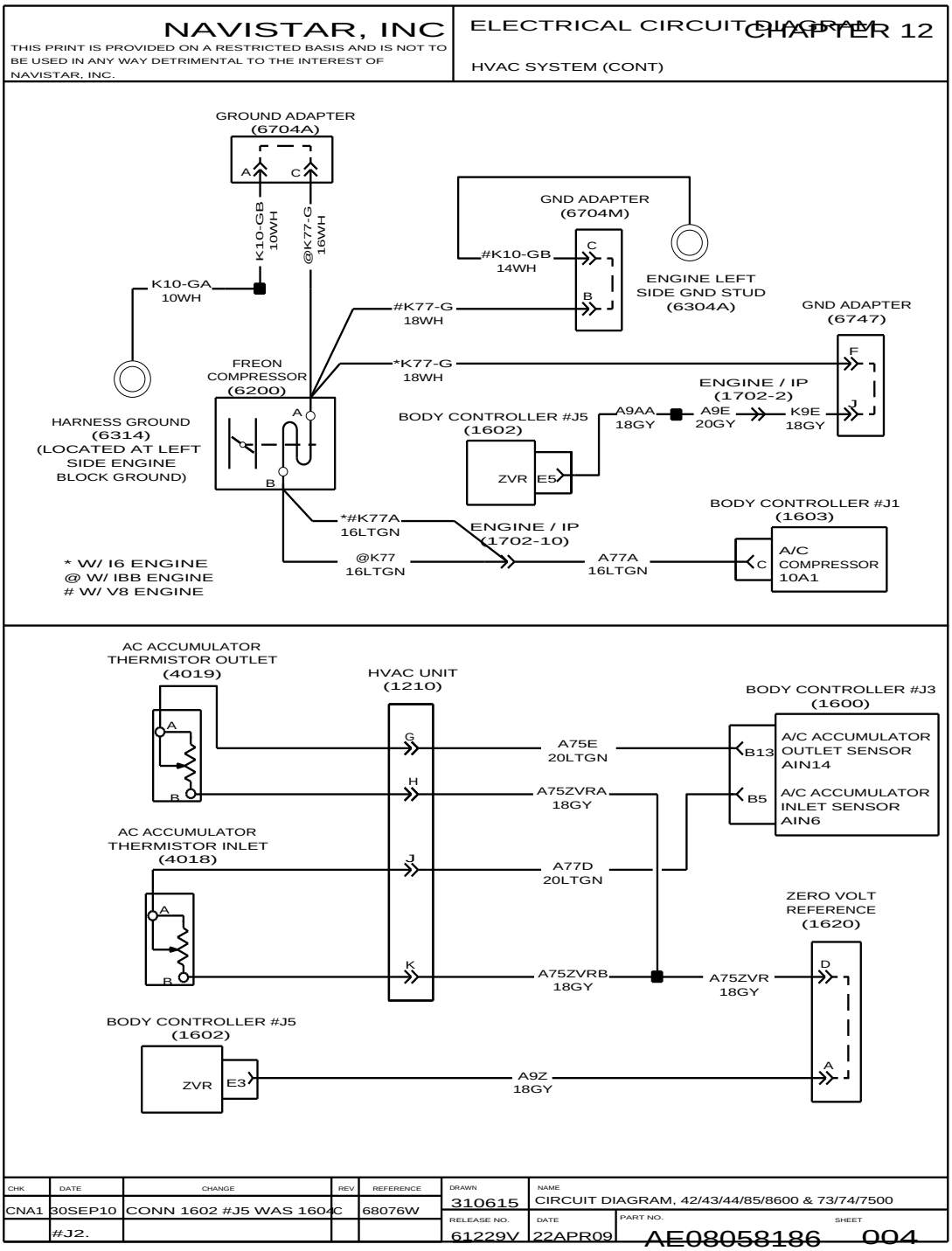


Figure 232 HVAC System (Cont.)

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12.5. AUTOTHERM SYSTEM, P. 5

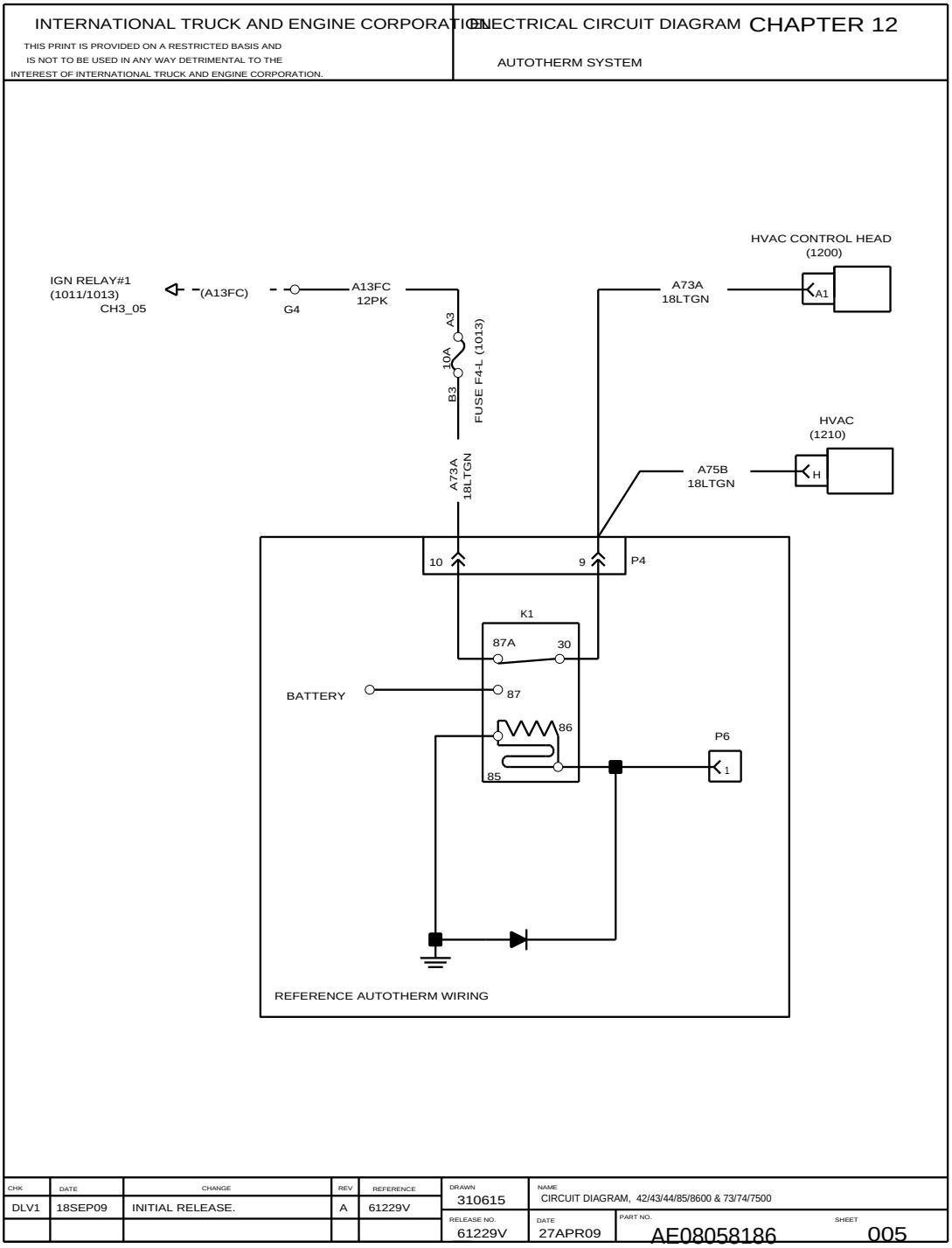


Figure 233 Autotherm System

https://truckmanualshub.com/

13. CONNECTOR COMPOSITES (CHAPTER 13)

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

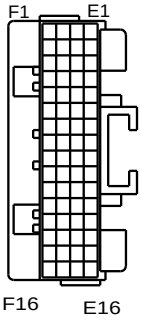
NAVISTAR, INC

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ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

BODY CONNECTOR(1)
(LOCATED ON LEFT SIDE KICK PANEL)

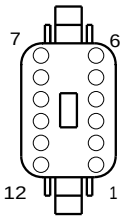


CONNECTOR 3598707C1

CAV	CIRC	GAUGE	COLOR	TERMINAL
E1	ATEM1	16	GY	3522073C1
E2	ATEM2	16	GY	3522073C1
E3	ATEM3	16	GY	3522073C1
E4	ATEM4	16	GY	3522073C1
E5	ATEM5	16	GY	3522073C1
E6	ATEM6	16	GY	3522073C1
E7	ATEM7	16	GY	3522073C1
E8	ATEM8	16	GY	3522073C1
E9	-	-	-	-
E10	-	-	-	-
E11	-	-	-	-
E12	-	-	-	-
E13	-	-	-	-
E14	-	-	-	-
E15	-	-	-	-
E16	-	-	-	-

CAV	CIRC	GAUGE	COLOR	TERMINAL
F1	-	-	-	-
F2	-	-	-	-
F3	-	-	-	-
F4	-	-	-	-
F5	-	-	-	-
F6	-	-	-	-
F7	-	-	-	-
F8	-	-	-	-
F9	-	-	-	-
F10	-	-	-	-
F11	-	-	-	-
F12	-	-	-	-
F13	-	-	-	-
F14-	-	-	-	-
F15	-	-	-	-
F16	-	-	-	-

TELEMATICS (1J)
(LOCATED ON MODULE BRACKET)

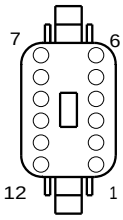


CONNECTOR 3623758C1
BODY LOCK 1689428C1

CAV	CIRC	GAUGE	COLOR	TERMINAL
1	A14A	16	RD	1680205C1
2	PLUG	-	-	0453133C1
3	A13AA	16	PK	1680205C1
4	A6VDC	18	GY	1680205C1
5	AOUT1	18	WH	1680205C1
6	PLUG	-	-	0453133C1
7	PLUG	-	-	0453133C1
8	PLUG	-	-	0453133C1
9	A5H(+)	18	YL	1680205C1
10	A5H(-)	18	GN	1680205C1
11*	A9V	18	GY	1680205C1
11*	A9VA	18	GY	1680205C1
12	A11-GL	18	WH	1680205C1

* MUTUALLY EXCLUSIVE

TELEMATICS (2J)
(LOCATED ON MODULE BRACKET)



CONNECTOR 1689427C1
BODY LOCK 1689428C1

CAV	CIRC	GAUGE	COLOR	TERMINAL
1	A3H(+)	18	DK BL	1680205C1
2	A3H(-)	18	GY	1680205C1
3	PLUG	-	-	0453133C1
4	AA2	18	GY	1680205C1
5	AA4	18	GY	1680205C1
6	AA6	18	GY	1680205C1
7	AA5	18	GY	1680205C1
8	AA3	18	GY	1680205C1
9	AA1	18	GY	1680205C1
10	A11-GM	18	WH	1680205C1
11	PLUG	-	-	0453133C1
12	PLUG	-	-	0453133C1

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
DLV1	28APR10	DESCRIPTION FOR R/D	B	62476L	310702	CIRCUIT DIAGRAM,42/43/44/85/8600 & 73/74/7500
	1J & 2J WAS AWARE.				RELEASE NO. 61229V	DATE 24MAR09

PART NO. AE08058187 SHEET 001

Figure 234 Connector Composites (1), (1J), (2J)

https://truckmanualshub.com/

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

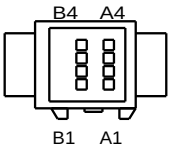
INTERNATIONAL TRUCK AND ENGINE CORPORATION

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ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

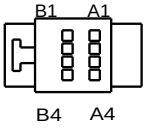
MIRROR SWITCH CONN (254F)
(LOCATED IN INSTRUMENT PANEL LEFT SIDE)



CONNECTOR 3662108C1

CAV	CIRC	GAUGE	COLOR	TERMINAL
A1	A62D	20	DKBL	3662109C1
A2	A78L	20	RD	3662109C1
A3	A78K	20	LTGN	3662109C1
A4	A78-GD	20	WH	3662109C1
B1	A78A	20	LTGN	3662109C1
B2	A78D	20	LTGN	3662109C1
B3	A78C	20	LTGN	3662109C1
B4	A78F	20	LTGN	3662109C1

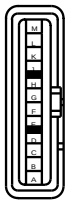
MIRROR SWITCH CONN (254M)
(LOCATED IN INSTRUMENT PANEL BEHIND CENTER PANEL)



CONNECTOR 3510243C1

CAV	CIRC	GAUGE	COLOR	TERMINAL
A1	A62D	20	DKBL	3535805C1
A2	A78L	20	RD	3535805C1
A3	A78K	20	LTGN	3535805C1
A4	A78-GD	20	WH	3535805C1
B1	A78A	20	LTGN	3535805C1
B2	A78D	20	LTGN	3535805C1
B3	A78C	20	LTGN	3535805C1
B4	A78F	20	LTGN	3535805C1

TURN SIGNAL ADAPTER (400)
(LOCATED ON MODULE BRACKET)



CONNECTOR 3543733C1
BODY LOCK 3543732C1

CAV	CIRC	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A*	A57AB	16	OR	3535303C1	3535424C1
A*	A57A	16	OR	3535303C1	3535424C1
B	A57D	16	OR	3535303C1	3535424C1
C	A57BC	16	LTGN	3535303C1	3535424C1
D	PLUG	-	-	3535425C1	-
E	A56A	16	OR	3535303C1	3535424C1
F	A56D	16	OR	3535303C1	3535424C1
G	A56BC	16	YL	3535303C1	3535424C1
H	PLUG	-	-	3535425C1	-
J	A71A	16	OR	3535303C1	3535424C1
K*	A71BA	16	OR	3535303C1	3535424C1
K*	A71A	16	OR	3535303C1	3535424C1
L*	A67H	18	GY	3535303C1	3535424C1
L*	A71N	16	OR	3535303C1	3535424C1
L#	A71P	18	OR	3535303C1	3535424C1
M	A71D	18	OR	3535303C1	3535424C1

* MUTUALLY EXCLUSIVE
W/ LIFT AXLE

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
DLV1	18SEP09	INITIAL RELEASE.	A	61229V	310702	CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
					RELEASE NO. 61229V	DATE 20APR09

PART NO. AE08058187 SHEET 002

Figure 235 Connector Composites (254F), (254M), (400)

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

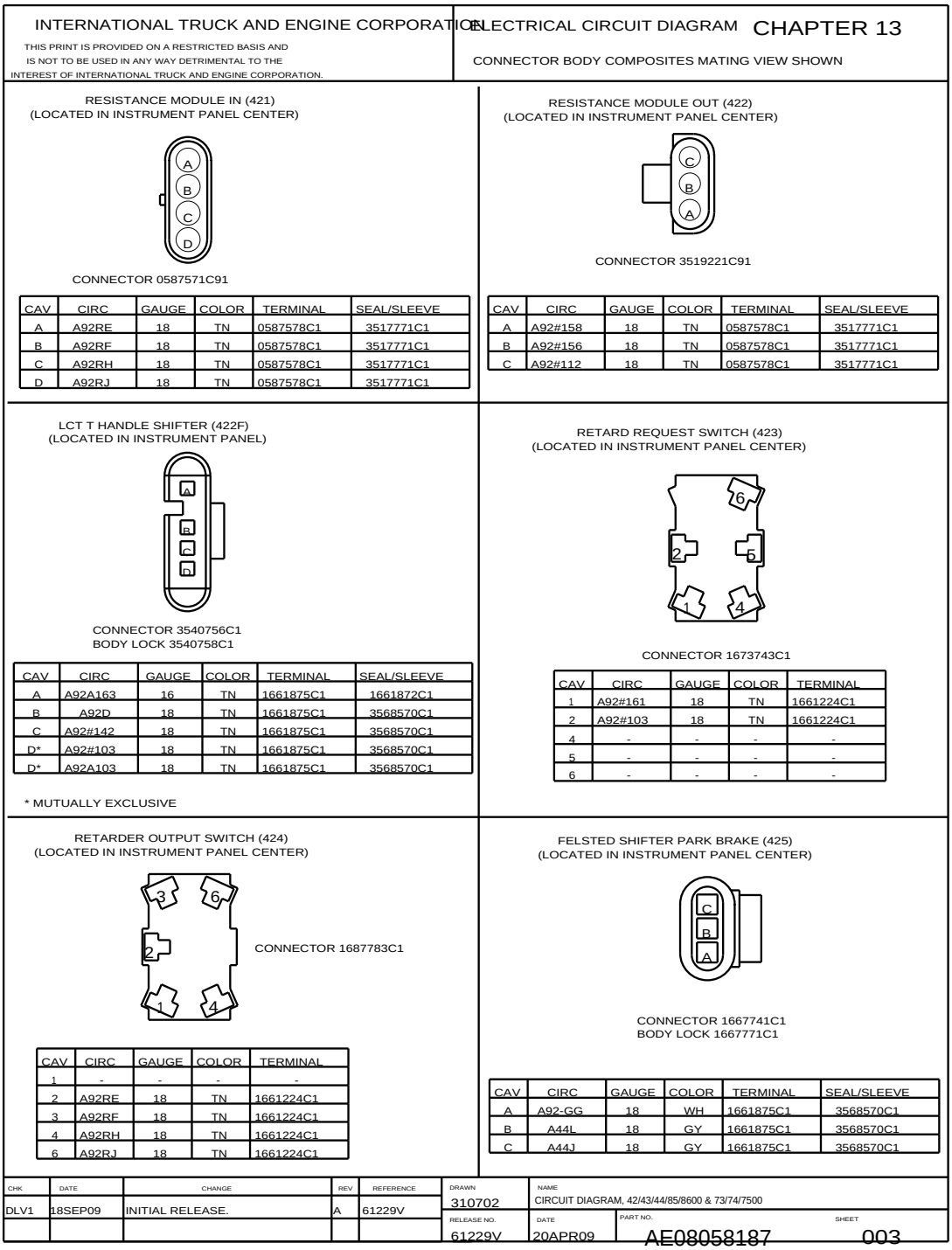


Figure 236 Connector Composites (421), (422), (422F), (423), (424), (425)

https://truckmanualshub.com/

13.4. CONNECTOR COMPOSITES (827), (830M), (1002), P. 4

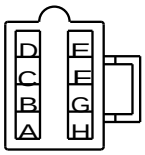
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ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

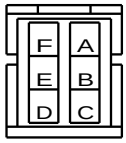
ROCKWELL TRIPMASTER DATA MAX II (827)
(LOCATED IN INSTRUMENT PANEL RIGHT SIDE)



CONNECTOR 2005836C1
BODY LOCK 2006504C1

CAV	CIRC	GAUGE	COLOR	TERMINAL
A	A14SD	18	RD	1661212C1
B	A13SD	18	PK	1661212C1
C	A11-GSD	18	WH	1661212C1
D	A3AC(+)	18	DKBL	1661212C1
E	A3AC(-)	18	GY	1661212C1
F	A50S	18	YL	1661212C1
G	A70EA	18	OR	1661212C1
H	–	–	–	–

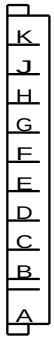
CADEC GPS CONNECTOR (830M)
(LOCATED IN INSTRUMENT
PANEL RIGHT SIDE)



CONNECTOR 1661201C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A	A14CE	16	RD	1661212C1
B	A13CE	16	PK	1661212C1
C	A11CE-G	16	WH	1661212C1
D	A3CE(+)	18	DKBL	1661212C1
E	A3CE(-)	18	GY	1661212C1
F	–	–	–	–

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



CONNECTOR 2007315C1
BODY LOCK 2007316C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A	A62B	18	DKBL	1661208C1
B	A62SA	18	DKBL	1661208C1
C*	A62P	18	DKBL	1661208C1
C*	A62A	18	LTBL	1661208C1
C*	A62P	18	DKBL	1661208C1
C*	A62BE	18	GY	1661208C1
D	A62BD	18	DKBL	1661208C1
E	A62R	18	DKBL	1661208C1
F	A62A	18	DKBL	1661208C1
G	–	–	–	–
H	A62T	18	DKBL	1661208C1
J	A62U	18	DKBL	1661208C1
K*	A62SC	18	DKBL	1661208C1
K*	A62A	18	GY	1661208C1

* MUTUALLY EXCLUSIVE

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
CNA1	30SEP10	CONN 1002: ADDED CIRC	C	68076W	310702	CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
		A62A, A62P, A62SA.			RELEASE NO. 61229V	DATE 20APR09

PART NO. AE08058187 SHEET 004

Figure 237 Connector Composites (827), (830M), (1002)

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

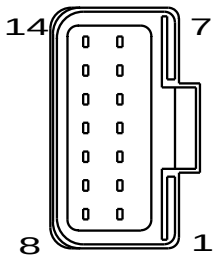
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ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

GROUND ADAPTER
(1003)
(LOCATED IN INSTRUMENT PANEL)

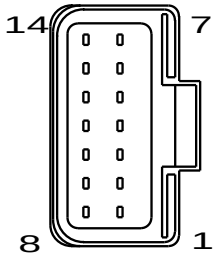


CONNECTOR 3613769C1

& W/ V8 ENGINE
@ W/ LOAD SHEDDING
* MUTUALLY EXCLUSIVE

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1*	A11-GE	12	WH	3612307C1
2*	A11-GSE	18	WH	3613771C1
2*	A10AE	20	WH	3613771C1
3*	A96-GE	18	YL	3613771C1
3*	A116-G	18	GY	3613771C1
3@	A14-GL	18	WH	3613771C1
4	A28-GA	16	WH	3613770C1
5*	A17-GRI	18	WH	3613771C1
5*	A17-GW	18	WH	3613771C1
5*	A17GR1	18	WH	3613771C1
6	A84-G	16	WH	3613770C1
7	A62-GF	18	WH	3613771C1
7&	A65-GB	16	WH	3613770C1
8*	A92-GG	18	WH	3613771C1
8*	A62-GP	18	WH	3613771C1
9	A92-GN	18	WH	3613771C1
9&	A92-G	18	TN	3613771C1
10*	A67-GA	18	WH	3613771C1
10*	A11-G	18	WH	3613771C1
10&	A23-GA	18	WH	3613771C1
10*	A54-GZ	18	WH	3613771C1
11*	A92-GS	18	WH	3613771C1
11*	A23-GA	18	WH	3613771C1
11&	A72-GA	16	WH	3613771C1
11*	A11-GA	16	WH	3613770C1
12*	A11-GNA	16	WH	3613770C1
12*	A72-G	18	WH	3613771C1
12&	A72-GB	18	WH	3613771C1
12*	A11-GH	18	WH	3613771C1
13*	A11-GZ	18	WH	3613771C1
13*	A98-GA	18	WH	3613771C1
13*	A11AA	18	WH	3613771C1
14	A11F-GM	16	WH	3613770C1

GROUND ADAPTER
(1006)
(LOCATED IN INSTRUMENT PANEL RIGHT SIDE)



CONNECTOR 3613769C1

* MUTUALLY EXCLUSIVE

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	A11-GD	10	WH	3612307C1
2	A86-GP	16	WH	3613770C1
3	A63-GD	18	WH	3613771C1
4	A11-GPP	18	WH	3613771C1
5*	A11-GSH	18	WH	3613771C1
5*	A11-GMV	16	WH	3613770C1
5*	A11-GMA	16	WH	3613770C1
5*	A11-GGA	18	WH	3613771C1
5*	A11CE-G	16	WH	3613770C1
5*	A11GMB	16	WH	3613770C1
6*	A11-GAA	18	WH	3613771C1
6*	A11-GGB	18	WH	3613771C1
7	A44-G	18	WH	3613771C1
8*	A78-GC	18	WH	3613771C1
8*	A78-GC	16	WH	3613770C1
9	A11-GBB	12	WH	3612307C1
10	A12-G	18	WH	3613771C1
11*	A86-GB	14	WH	3613770C1
11*	A86-GR	14	WH	3613770C1
12*	A58-GC	18	WH	3613771C1
12*	A59-G	16	WH	3613770C1
13	A13-GF	18	WH	3613771C1
14	A12-GD	16	WH	3613770C1

CHK	DATE	CHANGE	REV	REFERENCE
CNA1	30SEP10	REVISED CHART OF CONN	D	68076W
		REF 1003.		

DRAWN 310702
RELEASE NO. 61229V
NAME CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
DATE 20APR09
PART NO. AE08058187
SHEET 005

Figure 238 Connector Composites (1003), (1006)

https://truckmanualshub.com/

13.6. CONNECTOR COMPOSITES (1007), (1007F/1007M), (1008), P. 6

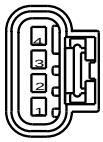
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ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

LATCHING RELAY
(1007)
(LOCATED AT BELOW DASH BOARD ON ENGINE COVER)



CONNECTOR 3866653C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
1	A14-LN	18	WH	3866654C1	3680160C1
2	A14LA	18	RD	3866654C1	3680160C1
3	A14LB	18	RD	3866654C1	3680160C1
4	A14-LM	18	WH	3866654C1	3680160C1

LATCHING RELAY
(1007F / 1007M)
(LOCATED AT BELOW DASH BOARD ON ENGINE COVER)



CONNECTOR 1661891C1
BODY LOCK 1661890C1

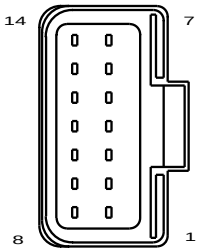
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A	A14LB	18	RD	1661262C1
B	A14-GL	18	WH	1661262C1
C	A14LA	18	RD	1661262C1



CONNECTOR 1661889C1
BODY LOCK 1661890C1

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

GROUND ADAPTER
(1008)
(LOCATED IN INSTRUMENT PANEL RIGHT SIDE)



CONNECTOR 3613769C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	A11-G	10	WH	3612307C1
2*	A11-GX	18	WH	3613771C1
2*	A62-GT	18	WH	3613771C1
3	A96-G	18	YL	3613771C1
4	A37-GA	18	WH	3613771C1
5	A78-GA	16	WH	3613770C1
6	A78-GB	16	WH	3613770C1
7	A19-GB	18	WH	3613771C1
8	A11-GH	16	WH	3613770C1
9	A67-G	16	WH	3613770C1
10*	A11-GC	14	GY	3613770C1
10*	A65-GA	18	WH	3613771C1
11*	A12-GR	18	WH	3613771C1
11*	A72-GA	18	WH	3613771C1
11*	A72-GC	18	WH	3613771C1
12	A11-GL	18	WH	3613771C1
13*	A11-GN	14	WH	3613770C1
13*	A11-GN	18	WH	3613771C1
13*	A11-GN	12	WH	3612307C1
14*	A105-G	18	WH	3613771C1
14*	A105-G	16	WH	3613770C1

* MUTUALLY EXCLUSIVE

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
MEF2	22JUN10	ADDED CONN 1007,	C	67657R	310702	CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
		1007F AND 1007M.			RELEASE NO. 61229V	DATE 20APR09 PART NO. AE08058187 SHEET 006

Figure 239 Connector Composites (1007), (1007F/1007M), (1008)

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13.7. CONNECTOR COMPOSITE (1010), P. 7

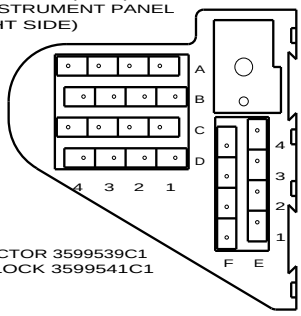
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ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

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



CONNECTOR 3599539C1
BODY LOCK 3599541C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A1	–	–	–	–
A2	–	–	–	–
A3*	A92#141	18	TN	3573312C1
	A17R	18	PK	3573312C1
A3*	A104CC	18	DKBL	3573312C1
	A17QR	18	PK	3573312C1
A3*	A104CC	18	DKBL	3573312C1
	A17A	16	PK	3573312C1
A3*	A92#141	18	TN	3534164C1
A3*	A17QR	18	PK	3534164C1
A3*	A17A	18	PK	3515517C1
A3*	A17A	18	PK	3534164C1
A3*	A17EB	16	PK	3573312C1
A3*	A17D	18	PK	3534164C1
A3*	A17L	18	PK	3534164C1
A3*	A17A	18	PK	3536295C1
A4*	A17H	16	PK	3573312C1
	A17	18	PK	3573312C1
A4*	A17A	16	PK	3573311C1
	A17H	16	PK	3573311C1
A4*	A17H	16	PK	3573312C1
A4*	A104CC	18	DKBL	3573312C1
	A17H	18	PK	3573312C1
A4*	A17A	18	PK	3573312C1
	A17BA	16	PK	3573312C1
A4*	A17H	16	PK	3573312C1
	A17A	18	PK	3573312C1
A4*	A17HB	18	PK	3536295C1
	A17A	18	PK	3536295C1

* MUTUALLY EXCLUSIVE

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
B1	–	–	–	–
B2	–	–	–	–
B3*	A17C	16	PK	3573311C1
	A17J	16	PK	3573311C1
B3*	A17C	16	PK	3573312C1
B4*	A17K	18	PK	3534164C1
B4*	A17M	18	PK	3534164C1
B4*	A17-GW	18	WH	3534164C1
C1	A71C	18	OR	3534164C1
C2	A71	16	OR	3573312C1
	A71C	18	OR	3573312C1
C3*	A12-GC	16	WH	3573312C1
C3*	A78BC	16	LTGN	3573312C1
C3*	A65AA	16	OR	3573312C1
C3*	A65	16	OR	3573312C1
C4*	A12Z	16	LTBL	3573312C1
C4*	A78	14	BK	3573312C1
C4*	A65AB	16	OR	3573312C1
D1	A71AB	16	OR	3573312C1
D2	A92#165	18	TN	3534164C1
D3*	A12U	16	LTBL	3573312C1
D3*	A65AC	16	OR	3573312C1
D3*	A78B	14	BK	3573312C1
D4*	A12Y	18	LTBL	3534164C1
D4*	A78-GBH	18	WH	3534164C1
D4*	A65-GA	18	WH	3534164C1
E1	A13F	18	PK	3573312C1
	A13FN	18	PK	3573312C1
E2	A14JA	12	RD	3573311C1
E3	A13FH	18	PK	3573312C1
	A13FK	18	PK	3573312C1
E4	A70BD	14	RD	3573312C1
F1*	A97UA	16	PL	3573312C1
F1*	A97AA	16	PL	3573312C1
F1*	A97AA	18	PL	3515517C1
F2	A75D	18	LTGN	3534164C1
F3*	A90E	18	GY	3534164C1
F3*	A94V	14	GY	3573312C1
F3*	A94V	18	GY	3534164C1
F3*	A40	18	GY	3573312C1
	A90E	18	GY	3573312C1
F4	A39A	16	GY	3573312C1

FUSE LOCATION	CAVITY	RATING	PART NUMBER		DESCRIPTION
			FUSE	BREAKER	
F1-A	E1, F1	5/10	3534208C1/3534209C1	–	ENGINE CONTROL UNIT
F1-B	E2, F2	5	3534208C1	–	CAB HVAC CONTROL
F1-C	E3, F3	5	3534208C1	–	AIR ABS / HYD EPB-HBCU
F1-D	E4, F4	5	3534208C1	–	DRAIN VALVE (HALDEX) AUTOMATIC

RELAY LOCATION - CAVITY	PART NUMBER	DESCRIPTION
A1, A2, B1, B2	3600330C1	NOT USABLE FOR RELAY
A3, A4, B3, B4	3600330C1	START RELAY
C1, C2, D1, D2	3600330C1	BACK-UP LAMP RELAY
C3, C4, D3, D4	3600330C1	AUX ROOF LOAD RELAY

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
CNA1	30SEP10	REVISED CHARTS.	C	68076W	310702	CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
					RELEASE NO. 61229V	DATE 20APR09
					PART NO. AE08058187	SHEET 007

Figure 240 Connector Composite (1010)

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13.8. CONNECTOR COMPOSITE (1011), P. 8

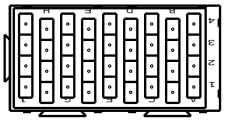
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ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

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



CONNECTOR 3534572C1
BODY LOCK1 3536085C1
BODY LOCK2 3599541C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A1	A14MD	12	RD	3573311C1
A2	A12-G	18	WH	3534164C1
A3	A14JB	12	RD	3573311C1
A4	A13-GF	18	WH	3573312C1
	A13-GFD	18	WH	3573312C1
B1	–	–	–	–
B2	–	–	–	–
B3	–	–	–	–
B4	–	–	–	–
C1	A14JF	12	RD	3573311C1
C2	A14MC	12	RD	3536299C1
C3	A14PA	12	RD	3573311C1
C4*	A14TA	12	RD	3573311C1
C4*	A78	12	BK	3573311C1
D1	A86A	18	LTGN	3534164C1
D2*	A14ED	16	RD	3573312C1
D2*	A14SD	18	RD	3534164C1
D2*	A14AF	18	RD	3534164C1
D2*	A14AF	18	RD	3573312C1
	A14AH	18	RD	3573312C1
D2*	A14CE	16	RD	3573312C1
D2*	A14EB	18	RD	3573312C1
	A14EA	16	RD	3573312C1
D2*	A14EA	16	RD	3573312C1
D3	A28	16	TN	3573312C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
D4*	A26D	18	TN	3534164C1
D4*	A78	16	LTGN	3573312C1
E1	(A56J)	–	–	3536301C1
E2*	(A14MC)	–	–	3536299C1
E2*	A14MC	12	RD	3573311C1
E3	(A57J)	–	–	3536301C1
E4*	(A14TA)	–	–	3536299C1
E4*	A14TA	12	RD	3573311C1
F1	A14JC	12	RD	3573311C1
F2	A84	16	LTGN	3573312C1
F3	A14JD	12	RD	3573311C1
F4	A63	18	DKBL	3534164C1
G1	(A56J)	–	–	3536301C1
G2	–	–	–	–
G3	(A57J)	–	–	3536301C1
G4	–	–	–	–
H1*	A56C	18	OR	3534164C1
H1*	A56K	16	OR	3573312C1
H1*	A56A	18	YL	3534164C1
H2*	A56T	12	YL	3573311C1
H2*	A56B	16	YL	3573312C1
H3*	A57C	18	OR	3534164C1
H3*	A57K	16	OR	3573312C1
H3*	A57A	18	LTGN	3534164C1
H4*	A57T	12	LTGN	3573311C1
H4*	A57B	16	LTGN	3573312C1
J1*	(A56J)	–	–	3536301C1
J1*	A55D	16	OR	3515517C1
J2*	A56-GC	18	WH	3534164C1
J2*	A56-GC	18	WH	3534164C1
J3*	(A57J)	–	–	3536301C1
J3*	A55C	16	OR	3515517C1
J4*	A57-GC	18	WH	3573312C1
	A54-GC	18	WH	3573312C1
J4*	A57-GC	18	WH	3534164C1

* MUTUALLY EXCLUSIVE

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 / COMPUTER PREWIRE
F2-G	C3, D3	15	3534210C1	3536179C1	INSTRUMENT CLUSTER
F2-H	C4, D4	10/15	3534209C1 3534210C1	3536178C1 3536179C1	AMMETER MODULE / HEATED WINDSHIELD

RELAY LOCATION - CAVITY	PART NUMBER	DESCRIPTION
A1, A2	3600329C1	ACCESSORY RELAY #1
A3, A4	3600329C1	IGNITION RELAY #1 @
H1, H2, J1, J2	3600330C1	TRAILER LEFT TURN RELAY
H3, H4, J3, J4	3600330C1	TRAILER RIGHT TURN RELAY
		@ ALSO SEE CONNECTOR 1013

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
CNA1	30SEP10	REVISED CHARTS.	C	68076W	310702	CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
					RELEASE NO. 61229V	DATE 20APR09
						PART NO. AE08058187 SHEET 008

Figure 241 Connector Composite (1011)

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13.9. CONNECTOR COMPOSITE (1012), P. 9

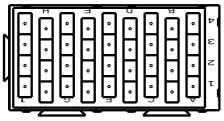
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ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

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



CONNECTOR 3534572C1
BODY LOCK1 3536085C1
BODY LOCK2 3599541C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A1	A14NA	12	RD	3573311C1
A2	A13-GFD	18	WH	3573312C1
	A13-GFE	18	WH	3573312C1
A3	A14NC	12	RD	3573311C1
A4	A13-GFE	18	WH	3573312C1
	A13-GFF	18	WH	3573312C1
B1	–	–	–	–
B2	–	–	–	–
B3	–	–	–	–
B4	–	–	–	–
C1*	A15	18	RD	3573312C1
	A98H	18	BK	3573312C1
C1*	A15	16	RD	3573312C1
	A98H	18	BK	3573312C1
C2	(A68J)	–	–	3536299C1
C3*	A86PA	16	LTGN	3573312C1
C3*	A86N	14	LTGN	3573312C1
C3*	A86R	14	LTGN	3573312C1
C4*	(A54J)	–	–	3536299C1
C4*	A58J	18	WH	3515517C1
D1	A14PB	12	RD	3573311C1
D2	A14HB	12	RD	3573311C1
D3	A14ME	12	RD	3573311C1
D4	A14HA	12	RD	3573311C1
E1	A68C	18	BN	3534164C1
E2	(A68J)	–	–	3536299C1
E3*	A54C	18	BN	3534164C1
E3*	A58	18	BN	3534164C1
E4*	(A54J)	–	–	3536299C1
E4*	A58J	18	WH	3515517C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
F1*	A68A	12	BN	3573311C1
F1*	A68T	12	BN	3573311C1
F1*	A68BB	14	BN	3573312C1
F2	A68-GC	18	WH	3573312C1
	A70-GT	18	WH	3573312C1
F3*	A54	12	BN	3573311C1
F3*	A54T	12	BN	3573311C1
F3*	A54BB	16	BN	3573312C1
F3*	A58BB	14	BN	3573312C1
F4*	A54-GC	18	WH	3573312C1
	A68-GC	18	WH	3573312C1
F4*	A58-GC	18	WH	3534164C1
G1	A82M	16	GY	3573312C1
G2	A82E	16	GY	3573312C1
G3	A82N	16	GY	3573312C1
G4	A82K	16	GY	3573312C1
H1	–	–	–	–
H2	A82V	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

* MUTUALLY EXCLUSIVE

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

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 RELAY
E3, E4, F3, F4	3600330C1	TRAILER MARKER LIGHT RELAY
G1, G2, H2, J1, J2	3519350C1	WIPER POWER RELAY
G3, G4, H4, J3, J4	3519350C1	WIPER HI / LO RELAY
		@ ALSO SEE CONNECTOR 1014

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
CNA1	30SEP10	ADDED CIRC A58, A58BB	C	68076W	310702	CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
	A58-GC, A58J.				RELEASE NO. 61229V	DATE 20APR09 PART NO. AE08058187 SHEET 009

Figure 242 Connector Composite (1012)

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13.10. CONNECTOR COMPOSITE (1013), P. 10

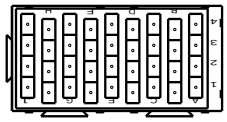
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ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

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



CONNECTOR 3534572C1
BODY LOCK1 3536085C1
BODY LOCK2 3599541C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A1	A12B	18	LTBL	3534164C1
A2	A12V	12	LTBL	3536306C1
A3	A13FC	12	PK	3536304C1
A4	A13FC	12	PK	3536306C1
B1	A12C	18	LTBL	3534164C1
B2	A12F	18	LTBL	3534164C1
B3	A73A	18	LTGN	3573312C1
	A28A	18	TN	3573312C1
B4	A13	16	PK	3573312C1
C1	A14TD	12	RD	3573311C1
C2	(A12V)	–	–	3536306C1
C3	(A13FC)	–	–	3536304C1
C4	(A13FC)	–	–	3536306C1
D1	A81A	12	LTGN	3573311C1
D2*	A86	20	LTGN	3573312C1
	A86F	18	LTGN	3573312C1
D2*	A86	18	LTGN	3573312C1
	A86F	18	LTGN	3573312C1
D3	A13B	18	PK	3534164C1
D4*	A87KA	18	GY	3534164C1
D4*	A87MB	18	GY	3534164C1
E1	–	–	–	–
E2	(A12V)	–	–	3536306C1
	A12D	12	LTBL	3536306C1
E3	(A13FC)	–	–	3536304C1
E4	(A13FC)	–	–	3536306C1
F1	–	–	–	–
F2	–	–	–	–
F3	–	–	–	–
F4	–	–	–	–
G1	A14TC	12	RD	3573311C1
G2	(A12V)	–	–	3536306C1
G3	(A13FC)	–	–	3536304C1
	A13FM	12	PK	3536304C1
G4	(A13FC)	–	–	3536306C1
H1	A81B	12	LTGN	3573311C1
H2	A78V	18	LTGN	3534164C1
H3*	A13A	16	PK	3573312C1
H3*	A13D	14	PK	3573312C1
H3*	A92#163	16	TN	3573312C1
	A92A163	18	TN	3573312C1
H3*	A92#163	16	TN	3573311C1
	A92A163	16	TN	3573311C1
H3*	A92A163	18	TN	3573311C1
	A92FN	16	TN	3573312C1
H3*	A92YD	16	TN	3573311C1
	A13D	16	PK	3573311C1
H3*	A92#163	18	TN	3573312C1
	A92A163	18	TN	3573312C1
H4*	A97AA	16	PL	3573312C1
H4*	A97UA	16	PL	3573312C1
J1*	A12A	18	LTBL	3534164C1
J1*	A12A	18	LTBL	3573312C1
	A12Q	18	LTBL	3573312C1
J2	(A12V)	–	–	3536306C1
J3	A13FD	18	PK	3573312C1
	A13FN	18	PK	3573312C1
J4	(A13FC)	–	–	3536306C1

* MUTUALLY EXCLUSIVE

FUSE LOCATION	CAVITY	RATING	PART NUMBER		DESCRIPTION
			FUSE	BREAKER	
F4-A	G1, H1	30	3534213C1	3536182C1	POWER WINDOW / DOOR-DRIVER
F4-B	G2, H2	10	3534209C1	3536178C1	POWER MIRRORS
F4-C	G3, H3	10	3534209C1	3536178C1	TRANSMISSION CONTROL UNIT
F4-D	G4, H4	10	3534209C1	3536178C1	ENGINE CONTROL UNIT
F4-E	C1, D1	30	3534213C1	3536182C1	POWER WINDOW / DOOR PASSENGER
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	WINDSHIELD WASHER PUMP
F4-J	A1, B1	5	3534208C1	–	BODY CONTROLLER
F4-K	A2, B2	10	3534209C1	3536178C1	SWITCH PACK
F4-L	A3, B3	10	3534209C1	3536178C1	CLUSTER / CAB HVAC CONTROLLER
F4-M	A4, B4	10	3534209C1	3536178C1	BODY CONTROLLER / CAB HVAC LPM

RELAY LOCATION - CAVITY	PART NUMBER	DESCRIPTION
J1, J2	3600329C1	ACCESSORY RELAY # 1 @
J3, J4	3600329C1	IGNITION RELAY # 1 @
		@ ALSO SEE CONNECTOR 1011

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
CNA1	30SEP10	MERGED CAV E2.	C	68076W	310702	CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
					RELEASE NO. 61229V	DATE 21APR09
						PART NO. AE08058187
						SHEET 010

Figure 243 Connector Composite (1013)

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13.11. CONNECTOR COMPOSITE (1014), P. 11

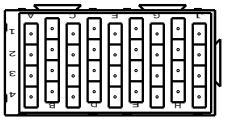
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ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

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



CONNECTOR 3534572C1
BODY LOCK1 3536085C1
BODY LOCK2 3599541C1

* MUTUALLY EXCLUSIVE

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A1	A13FB	12	PK	3536304C1
A2	A13FB	12	PK	3536306C1
A3	A13FA	12	PK	3536301C1
A4	A13FA	12	PK	3536306C1
B1*	A13EE	16	DKBL	3515517C1
B1*	A13FG	18	PK	3515517C1
B1*	A13FG	18	PK	3534164C1
B1*	A13CE	16	PK	3573312C1
B1*	A70DA	18	GY	3573312C1
	A13SD	18	PK	3573312C1
B1*	13AA	16	PK	3515517C1
B2*	A39	16	GY	3573311C1
	A39A	16	GY	3573311C1
B2*	A39B	16	GY	3573312C1
B3*	A17D	16	RD	3573312C1
B3*	A97S	14	PL	3573312C1
B3*	A13A	18	PK	3515517C1
B4	A71	16	OR	3573312C1
C1	(A13FB)	–	–	3536304C1
C2	(A13FB)	–	–	3536306C1
C3	(A13FA)	–	–	3536301C1
C4	(A13FA)	–	–	3536306C1
D1*	A17HB	18	PK	3534164C1
D1*	A17HB	16	PK	3573312C1
D1*	A92J	18	TN	3515517C1
D1*	A116M	18	GY	3515517C1
D2*	A67E	16	LTBL	3573312C1
D2*	A67F	18	GY	3534164C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
D2*	A67A	16	PK	3573312C1
D3	A13B	16	PK	3573312C1
D4	A28V	16	TN	3573312C1
E1	(A13FB)	–	–	3536304C1
E2	(A13FB)	–	–	3536306C1
E3	(A13FA)			3536301C1
	A13FR	12	PK	3536301C1
E4	(A13FA)	–	–	3536306C1
F1	–	–	–	–
F2	–	–	–	–
F3	–	–	–	–
F4	–	–	–	–
G1	(A13FB)	–	–	3536304C1
	A13FL	12	PK	3536304C1
G2	(A13FB)	–	–	3536306C1
G3	(A13FA)	–	–	3536304C1
G4	(A13FA)	–	–	3536306C1
H1*	A44Y	16	GY	3573312C1
	A44N	18	GY	3573312C1
H1*	A13DA	18	PK	3515517C1
H1*	A44Y	16	GY	3573312C1
H1*	A13A	18	PK	3515517C1
H1*	A98M	18	BK	3515517C1
H2*	A13X	16	PK	3573312C1
H2*	A13Z	18	PK	3534164C1
H2*	A13B	12	PK	3573311C1
H3	A90L	18	GY	3534164C1
H4*	A70R	18	OR	3534164C1
H4*	A92RA	18	TN	3534164C1
H4*	A72B	16	OR	3573311C1
	A94AM	16	GY	3573311C1
J1	A13FD	18	PK	3573312C1
	A13FE	18	PK	3573312C1
J2	(A13FB)	–	–	3536306C1
J3	A13FE	18	PK	3573312C1
	A13FF	18	PK	3573312C1
J4	(A13FA)	–	–	3536306C1

FUSE LOCATION	CAVITY	RATING	PART NUMBER		DESCRIPTION
			FUSE	BREAKER	
F5-A	G1, H1	10	3534209C1	3536178C1	AIR PARK BRAKE
F5-B	G2, H2	10	3534209C1	3536178C1	INVERTER / AUX POWER SOURCE / EATON HYBRID
F5-C	G3, H3	5	3534208C1	–	ACCELERATOR
F5-D	G4, H4	10	3534209C1	3536178C1	SNOW VALVE / RETARDER / COLLISION WARN
F5-E	C1, D1	10	3534209C1	3536178C1	CLUTCH / START ENABLE / AUTO NEUTRAL / 5TH WHEEL JAW UNLOCK
F5-F	C2, D2	10	3534209C1	3536178C1	DISPLAY SYSTEMS / BACK-UP CAMERA
F5-G	C3, D3	10	3534209C1	3536178C1	OWNER OPERATOR
F5-H	C4, D4	10	3534209C1	3536178C1	COMPASS MODULE
F5-J	A1, B1	10	3534209C1	3536178C1	SATELLITE COMMUNICATION
F5-K	A2, B2	20	3534211C1	3536180C1	AIR DRYER / HEATED DRAIN VALVE
F5-L	A3, B3	10	3534209C1	3536178C1	IBBE EIM / EATON HYBRID
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	30SEP10	CHARTS REVISED.	C	68076W	310702	CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
					RELEASE NO. 61229V	DATE 21APR09 PART NO. AE08058187 SHEET 011

Figure 244 Connector Composite (1014)

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13.12. CONNECTOR COMPOSITE (1015), P. 12

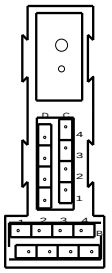
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ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

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



CONNECTOR 3599501C1
BODY LOCK 3599541C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A1	A19V	12	GY	3573311C1
A2*	A37V	18	TN	3534164C1
A2*	A92AB	16	TN	3573312C1
A3*	A12Z	16	LTBL	3573312C1
A3*	A65AB	16	OR	3573312C1
A3*	A78A	14	LTGN	3573312C1
A4	A75	12	LTGN	3573311C1
B1	A14FA	12	RD	3573311C1
B2	A14KB	12	RD	3573311C1
B3	A14NB	12	RD	3573311C1
B4	A14JE	12	RD	3573311C1
C1	A37	18	TN	3534164C1
C2	A37D	16	TN	3573312C1
C3*	A44	18	GY	3515517C1
C3*	A23B	18	TN	3534164C1
C3*	A44C	18	PK	3515517C1
C4*	A46C	18	GY	3515517C1
C4*	A23	18	TN	3573312C1
	A23C	18	TN	3573312C1
C4*	A44A	18	GY	3515517C1
D1	A37V	18	TN	3534164C1
D2	A37-GA	18	WH	3534164C1
D3*	A46D	18	GY	3515517C1
D3*	A23A	18	TN	3534164C1
D3*	A9V	18	GY	3515517C1
D4*	A23C	18	TN	3534164C1
D4*	A44-G	18	WH	3515517C1
D4*	A44B	18	GY	3515517C1

* MUTUALLY EXCLUSIVE

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

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

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
CNA1	30SEP10	ADDED CIRC A44A, A44B,	C	68076W	310702	CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
		A44C, A9V.			RELEASE NO. 61229V	DATE 21APR09

PART NO. AE08058187 SHEET 012

Figure 245 Connector Composite (1015)

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13.13. CONNECTOR COMPOSITE (1016), P. 13

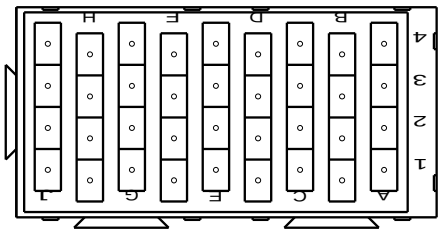
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ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

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



CONNECTOR 3534572C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A1	A14FE	12	RD	3573311C1
A2	A14ND	12	RD	3573311C1
A3	A13FT	12	PK	3573311C1
A4	A14KA	12	RD	3573311C1
B1*	A14A	16	RD	3573312C1
B1*	A14MV	16	RD	3573312C1
B1*	A14A	14	RD	3573312C1
B1*	A14A	12	RD	3573311C1
B2*	A72C	12	OR	3573311C1
B2*	A94L	12	GY	3573311C1
B2*	A78A	14	LTGN	3573321C1
B3*	A105	18	LTGN	3534164C1
B3*	A105	16	LTGN	3573312C1
B3*	A13AA	18	RD	3534164C1
B3*	A13AB	18	RD	3534164C1
B4*	A81D	12	LTGN	3573311C1
B4*	A14A	18	RD	3573312C1
C1	–	–	–	–
C2	–	–	–	–
C3	–	–	–	–
C4	–	–	–	–
D1	–	–	–	–
D2	–	–	–	–
D3	–	–	–	–
D4	–	–	–	–
E1	A14FD	12	RD	3573311C1
E2*	A14BA	16	RD	3573312C1

* MUTUALLY EXCLUSIVE
& W/ AUX SWITCH

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
E2*	A72K	12	OR	3573311C1
E2&*	A72A	12	OR	3573311C1
E2&*	A72E	18	OR	3515517C1
E3	A14G	16	RD	3573312C1
E4	(A70J)	–	–	3536299C1
F1	A81C	12	LTGN	3573311C1
F2	A14FB	12	RD	3573311C1
F3	A14MA	12	RD	3573311C1
F4	A14HC	12	RD	3573311C1
G1*	A12O	18	LTBL	3534164C1
G1*	A72E	18	OR	3534164C1
G1&*	A72EF	18	OR	3515517C1
G1&*	A72F	16	OR	3573312C1
G2*	A72AA	12	OR	3573311C1
G2*	A12BB	16	LTBL	3573312C1
G2&*	A72V	12	DKBL	3573311C1
G2&*	A94TA	12	GY	3573311C1
G3	A70D	18	OR	3534164C1
G4	(A70J)	–	–	3536299C1
H1	–	–	–	–
H2	–	–	–	–
H3	–	–	–	–
J1*	A14BA	16	RD	3573312C1
J1*	A72K	12	OR	3573311C1
J1&*	A72A	12	OR	3573311C1
J1&*	A94TC	12	GY	3573311C1
J2*	A12-GR	18	WH	3534164C1
J2&*	A72-GB	18	WH	3573312C1
J2&*	A72-GA	16	WH	3573312C1
J2*	A72-GA	18	WH	3534164C1
J3*	A70ET	10	RD	3573311C1
J3*	A70T	10	RD	3573311C1
J4	A70-GT	18	WH	3573312C1
	A70-GC	18	WH	3573312C1

NOTE : 20A W/ BODY ACCESSORY
25A W/ TRAILER AUX CENTER PIN - ACC OR BAT
30A W/ TRAILER AUX FEED

FUSE LOCATION	CAVITY	RATING	PART NUMBER		DESCRIPTION
			FUSE	BREAKER	
F7-A	E1, F1	30	3534213C1	3536182C1	POWER WINDOW / DOOR - LEFT REAR
F7-B	E2, F2	SEE NOTE	3534211C1 3534212C1 3534213C1	3536180C1 3536181C1 3536182C1	BODY ACCESSORY / TRAILER AUX
F7-C	E3, F3	15	3534210C1	3536179C1	OWNER OPERATOR
F7-D	E4, F4	30	3534213C1	3536182C1	TRAILER STOP LIGHTS
F7-E	A1, B1	10	3534209C1	3536178C1	DISPLAY SYSTEMS / DRIVER AIR SEAT
F7-F	A2, B2	30/25	3534213C1 3534212C1	3536182C1 3536181C1	HYD FPB -SOLENOID / AUX POWER SOURCE / HEATED WINDSHIELD
F7-G	A3, B3	10/20	3534209C1 3536180C1	3534209C1 3536180C1	DRIVER SEAT / PASSENGER SEAT
F7-H	A4, B4	30	3534213C1	3536182C1	POWER WINDOW / DOOR - RIGHT REAR

RELAY LOCATION - CAVITY	PART NUMBER	DESCRIPTION
G1, G2, J1, J2, H2	3600329C1	BODY ACC / TRAILER AUX RELAY
G3, G4, J3, J4, H4	3600329C1	TRAILER STOP RELAY

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
CNA1	30SEP10	ADDED CIRC A13AA,A13ABC		68076W	310702	CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
		A14A. RMVD CIRC A14R, A72-GC.			RELEASE NO. 61229V	DATE 21APR09

PART NO. AE08058187 SHEET 013

Figure 246 Connector Composite (1016)

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13.14. CONNECTOR COMPOSITE (1017), P. 14

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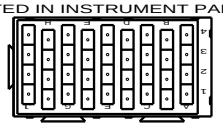
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ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A1*	A14NE	12	RD	3536301C1
A1*	A14NE	12	RD	3573311C1
A2*	A14PE	10	RD	3573311C1
A2*	A14PE	12	RD	3573311C1
A3	A14KC	12	RD	3573311C1
A4	A14PD	10	RD	3573311C1
B1	A14F	12	RD	3573311C1
B2*	A92BT	18	TN	3534164C1
B2*	A14H	16	PK	3573312C1
B3	A14NS	12	BK	3573311C1
B4*	A14G	12	RD	3573311C1
B4*	A14JT	20	RD	3535484C1
C1	(A14NE)	–	–	3536301C1
C2	–	–	–	–
C3	–	–	–	–
C4	–	–	–	–
D1	–	–	–	–
D2	–	–	–	–
D3	–	–	–	–
D4	–	–	–	–
E1	(A14NE)	–	–	3536301C1
E2*	A94AY	14	GY	3573312C1
E2*	A94AY	12	RD	3573311C1
E3*	A20	16	LTGN	3573312C1
E3*	A14FDU	16	RD	3573312C1
E4*	A94UA	12	GY	3573311C1
E4*	A72J	12	OR	3573311C1
E4*	A94TC	12	GY	3573311C1
F1*	A92FB	16	TN	3573312C1
F1*	A17H	16	PK	3573312C1
F2	A14HE	12	RD	3573311C1
F3	A14MB	12	RD	3573311C1
F4	A14PC	12	RD	3573311C1
G1*	A92#145	18	TN	3534164C1
G1*	A92RD	16	TN	3573312C1
G1*	A11-GD	18	WH	3534164C1
G1*	A45-GB	18	WH	3515517C1

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



CONNECTOR 3534572C1
BODY LOCK 3536085C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
G1*	A17L	18	PK	3534164C1
G2*	A92JA	18	TN	3534164C1
G2*	A92#163	16	TN	3573312C1
G2*	A17J	16	PK	3573312C1
G2*	A23DC	18	TN	3534164C1
G3	A13FF	18	PK	3573312C1
G4*	A94T	10	GY	3573311C1
G4*	A72	12	OR	3573311C1
G4*	(A94TC)	–	–	3536299C1
H1	A92FN	16	TN	3573312C1
H2*	A17S	18	PK	3534164C1
H2*	A23B	18	TN	3534164C1
H2*	A19C	18	GY	3515517C1
H3	–	–	–	–
H4	–	–	–	–
J1*	A92FB	16	TN	3573311C1
J1*	A17HB	16	PK	3573312C1
J1*	A92BC	18	TN	3534164C1
J1*	A13A	18	PK	3534164C1
J1*	A97ZB	18	GY	3534164C1
J2	A92J	18	TN	3573312C1
	A92JA	18	TN	3573312C1
J2*	A92FBA	16	TN	3573312C1
J2*	A17K	18	PK	3534164C1
J2*	A23H	18	TN	3534164C1
J2*	A45B	18	GY	3515517C1
J3*	A94UA	12	GY	3573311C1
J3*	A72J	12	OR	3573311C1
J3*	A94TB	12	GY	3573311C1
J4*	A13-GFF	18	WH	3515517C1

* MUTUALLY EXCLUSIVE

FUSE LOCATION	CAVITY	RATING	PART NUMBER		DESCRIPTION
			FUSE	BREAKER	
F8-A	E1, F1	10	3534209C1	3536178C1	TRANSMISSION SHIFTER / EATON HYBRID
F8-B	E2, F2	30 / 15	3534213C1/ 3534210C1	3536182C1/ 3536179C1	BENDIX AIR ABS / WABCO AIR ABS
F8-C	E3, F3	10	3534209C1	3536178C1	REMOTE POWER UNIT
F8-D	E4, F4	30	3534213C1	3536182C1	TRAILER AIR ABS / ETB AUX
F8-E	A1, B1	20	3534210C1	3536179C1	INTERNATIONAL BIG BORE ENGINE / EATON HYBRID
F8-F	A2, B2	NOTE 2	3534209C1	3536178C1	TRANSMISSION CONTROL UNIT
F8-G	A3, B3	30	3534213C1	3536182C1	ELECTRIC TRAILER BRAKES
F8-H	A4, B4	NOTE 3	3534212C1	3536181C1	ENGINE CONTROL UNIT / EATON HYBRID HEAT EXCHANGER FAN RELAY

RELAY LOCATION - CAVITY	PART NUMBER	DESCRIPTION
G1, G2, J1, J2, H2	3519350C1	OPTIONAL RELAY SEE NOTE 1
G3, G4, J3, J4, H4	3519350C1	TRAILER ABS ECU RELAY

NOTE 1: AUTO NEUTRAL START ENABLE RELAY COLUMN SHIFTER

NOTE 2: 10A - ALLISION TRANSMISSION
30A - EATON AUTOSHIFT OR ULTRASHIFT TRANSMISSION

NOTE 3: 25A - INTERNATIONAL BIG BORE (IBBE)
OR EATON HYBRID HEAT EXCHANGER FAN

CHK	DATE	CHANGE	REV	REFERENCE
CNA1	30SEP10	CHARTS REVISED.	C	68076W

DRAWN 310702 | NAME CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500

RELEASE NO. 61229V | DATE 21APR09 | PART NO. AE08058187 | SHEET 014

Figure 247 Connector Composite (1017)

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13.15. CONNECTOR COMPOSITE (1018), P. 15

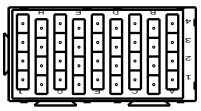
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ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

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



CONNECTOR 3534572C1
BODY LOCK 3536085C1

* MUTUALLY EXCLUSIVE

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A1*	A96RB	18	YL	3534164C1
A1*	A104L	18	DKBL	3573312C1
	A104F	18	DKBL	3573312C1
A2*	A104CB	18	DKBL	3573312C1
	A104N	18	DKBL	3573312C1
A2*	A52E	14	YL	3573312C1
A3*	A96LA	18	YL	3534164C1
A3*	A59RA	18	GY	3534164C1
A4	A52B	14	YL	3573312C1
B1	–	–	–	–
B2*	A52D	14	YL	3573312C1
B2*	A59RC	18	GY	3534164C1
B3	–	–	–	–
B4*	A52	14	YL	3573312C1
B4*	A59CA	16	GY	3573312C1
C1*	A104JD	18	DKBL	3573312C1
	A104JC	18	DKBL	3573312C1
C1*	A52PD	14	YL	3573312C1
C2*	A96-GC	18	YL	3534164C1
C2*	A104E	18	DKBL	3534164C1
C3*	A52PC	14	YL	3573312C1
C3*	A59RD	16	GY	3573312C1
C4*	A96-GB	18	YL	3534164C1
C4*	A104JD	18	DKBL	3534164C1
D1	–	–	–	–
D2	–	–	–	–
D3	A13FK	18	PK	3573312C1
	A13FP	18	PK	3573312C1
D4*	A19	12	GY	3573311C1
D4*	A19A	16	GY	3573311C1
	A19	16	GY	3573311C1
E1	A13FM	12	PK	3573311C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
E2	A12V	12	LTBL	3573311C1
E3	–	–	–	–
E4	–	–	–	–
F1*	A86P	16	LTGN	3573312C1
F1*	A13C	18	PK	3515517C1
F2*	A12X	18	LTBL	3534164C1
F2*	A89CA	18	PL	3534164C1
F2*	A12X	18	LTBL	3534164C1
F3	A19V	12	GY	3573311C1
F4	A19-GB	18	WH	3534164C1
G1*	A96RA	18	YL	3534164C1
G1*	A104JC	18	DKBL	3573312C1
	A104JB	18	DKBL	3573312C1
G2*	A53F	14	YL	3573312C1
G2*	A104C	16	DKBL	3573312C1
G3*	A104C	16	DKBL	3573312C1
	A104B	18	DKBL	3573312C1
G4*	A104B	18	DKBL	3534164C1
G4*	A53E	14	YL	3573312C1
H1	–	–	–	–
H2	A53B	14	YL	3573312C1
H3	–	–	–	–
H4*	A53	14	YL	3573312C1
H4*	A13F	18	PK	3534164C1
J1*	A53PA	14	YL	3573312C1
J1*	A104JB	18	DKBL	3573312C1
	A104JA	18	DKBL	3573312C1
J2*	A96-GD	18	YL	3534164C1
J2*	A104H	16	DKBL	3573312C1
J3*	A104J	16	DKBL	3573312C1
	A104JA	18	DKBL	3573312C1
J3*	A53PB	14	YL	3573312C1
J3*	A104J	18	DKBL	3573312C1
	A104JA	18	DKBL	3573312C1
J4*	A96-GA	18	YL	3534164C1
J4*	A104AA	18	DKBL	3534164C1

FUSE LOCATION	CAVITY	RATING	PART NUMBER		DESCRIPTION
			FUSE	BREAKER	
F9-A	E1, F1	5	3534208C1	–	2 WAY RADIO
F9-B	E2, F2	5	3534208C1	–	AUX ROOF LOAD / WHEEL CHAIR LIFT

RELAY LOCATION - CAVITY	PART NUMBER	DESCRIPTION
G1, G2, H2, J1, J2	3519350C1	RIGHT LOW BEAM OR SWITCH RELAY
G3, G4, H4, J3, J4	3519350C1	LEFT LOW BEAM OR REMOTE-S RELAY
A1, A2, B2, C1, C2	3519350C1	RIGHT HIGH BEAM OR REMOTE-S RELAY
A3, A4, B4, C3, C4	3519350C1	LEFT HIGH BEAM OR PUMP-I RELAY
D3, D4, E4, F3, F4	3519350C1	FUEL HEATER RELAY

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
CNA1	30SEP10	ADDED CIRC A12X, A13C	C	68076W	310702	CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
		REMOVED CIRC A96LB.			RELEASE NO. 61229V	DATE 22APR09 PART NO. AE08058187 SHEET 015

Figure 248 Connector Composite (1018)

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13.16. CONNECTOR COMPOSITE (1019), P. 16

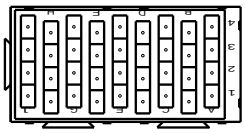
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ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

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



CONNECTOR 3534572C1
BODY LOCK 3536085C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A1*	A53AB	18	YL	3573312C1
	A53ABA	18	YL	3573312C1
A1*	A78-GBH	18	WH	3573312C1
	A78-GC	18	WH	3573312C1
A1*	A78-GC	16	WH	3573312C1
	A78-GBH	18	WH	3573312C1
A1*	A59-GM	18	WH	3534164C1
A1*	A92HD	12	TN	3573312C1
A2*	A52AB	18	YL	3573312C1
	A53ABA	18	YL	3573312C1
A2*	A14G	12	RD	3573311C1
A2*	A78C	14	BK	3573312C1
A3*	A92H	16	TN	3573312C1
A3*	A17-GRI	18	WH	3534164C1
A3*	A17-GRI	18	WH	3515517C1
A3*	A92-GN1	18	WH	3573312C1
A4*	A17OR	18	PK	3534164C1
A4*	A92E	16	TN	3573312C1
A4*	A92A1	18	TN	2003343C1
B1	–	–	–	–
B2*	A59KA	18	GY	3534164C1
B3	–	–	–	–
B4	A97UA	16	PL	3573312C1
C1*	A50S	18	YL	3534164C1
C1*	A59K	18	GY	3534164C1
C1*	A92HH	14	TN	3573312C1
C1*	A78A	14	LTGN	3573312C1
C2*	A53-G	18	GY	3534164C1

* MUTUALLY EXCLUSIVE

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
C2*	A92HC	12	TN	3573311C1
C2*	A71P	18	OR	3534164C1
C2*	A78AC	16	LTGN	3573312C1
C3*	A97AA	16	PL	3573312C1
C3*	A17	18	PK	3534164C1
C3*	A17	18	PK	3515517C1
C3*	A92A18	16	TN	3573312C1
C4*	A17T	18	PK	3534164C1
C4*	A92F	16	TN	3573312C1
C4*	A17T	18	PK	3515517C1
C4*	A92DN	18	TN	3573312C1
D1	–	–	–	–
D2	–	–	–	–
D3	–	–	–	–
D4	–	–	–	–
E1*	A97Z	10	VT	3573311C1
E1*	A94PM	12	GY	3573311C1
E2*	A70E	10	RD	3573311C1
E2*	A94PE	16	GY	3573312C1
E3	A14KD	12	RD	3573311C1
E4*	A14TB	12	RD	3573311C1
E4*	A14TF	12	RD	3573311C1
F1*	A23	18	TN	3534164C1
F1*	A94TM	12	GY	3573311C1
F2*	A70NS	16	RD	3573312C1
F2*	A94TE	16	GY	3573312C1
F3	A70BF	14	RD	3573312C1
F4*	A14JT	16	RD	3573312C1
F4*	A14A	20	PK	3535484C1
G1*	A92RA	18	TN	3573312C1
	A92RB	18	TN	3573312C1
G1*	A89CB	18	PL	3534164C1
G1*	A72-GD	18	WH	3515517C1

CHART CONTINUED ON SHEET 16A

CHK	DATE	CHANGE	REV	REFERENCE
CNA1	30SEP10	CHARTS REVISED.	C	68076W

DRAWN 310702
NAME CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
RELEASE NO. 61229V
DATE 22APR09
PART NO. AE08058187
SHEET 016

Figure 249 Connector Composite (1019)

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13.17. CONNECTOR COMPOSITE (1019) (CONT.), P. 16A

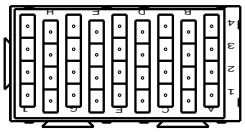
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ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

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



CONNECTOR 3534572C1
BODY LOCK 3536085C1

CHART CONTINUED FROM SHEET 16

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
G1*	A59-GC	18	WH	3534164C1
G1*	A116LB	18	GY	3534164C1
G1*	A92HB	18	TN	3573312C1
	A92HF	18	TN	3573312C1
G2*	A9W	18	GY	3534164C1
G2*	A59K	18	GY	3573312C1
	A59L	18	GY	3573312C1
G2*	A14F	12	RD	3573311C1
G2*	A116L	18	GY	3534164C1
G3*	A92-GJ	18	WH	3534164C1
G3*	A17A	16	WH	3573312C1
G3*	A116UB	18	GY	3534164C1
G3*	A11-GB	18	WH	3534164C1
G3*	A45-GC	18	WH	3534164C1
G4*	A17EB	16	PK	3573311C1
	A17F	16	PK	3573311C1
G4*	A116U	18	GY	3534164C1
G4*	A23A	18	TN	3534164C1
H1	–	–	–	–
H2*	A92RK	18	TN	3534164C1
H2*	A72EF	18	OR	3515517C1
H3	–	–	–	–
H4*	A92BC	18	TN	3573312C1
	A17B	18	PK	3573312C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
H4*	A92BC	18	TN	3534164C1
H4*	A23DA	18	TN	3534164C1
H4*	A17HB	18	PK	3534164C1
J1*	A92RB	18	TN	3534164C1
J1*	A89CC	18	PL	3534164C1
J1*	A59J	18	GY	3534164C1
J1*	A92HG	14	TN	3573312C1
J1*	A116-G	18	GY	3534164C1
J1*	A72EC	18	OR	3515517C1
J2*	A89CA	18	PL	3534164C1
J2*	A59L	18	GY	3573312C1
	A59R	18	GY	3573312C1
J2*	A92#124	18	TN	3534164C1
J2*	A92HA	18	TN	3534164C1
J2*	A116LZ	18	GY	3534164C1
J2*	A44	18	GY	3515517C1
J3*	A92APA	18	TN	3534164C1
J3*	A17D	16	RD	3573312C1
J3*	A116U-G	18	GY	3534164C1
J3*	A11-GC	18	WH	3534164C1
J3*	A17HA	18	PK	3534164C1
J4*	A17R	18	PK	3534164C1
J4*	A17B	16	PK	3573312C1
J4*	A116UZ	18	GY	3534164C1
J4*	A17R	18	PK	3515517C1
J4*	A23G	18	TN	3534164C1
J4*	A45A	18	LTGN	3534164C1

* MUTUALLY EXCLUSIVE

FUSE LOCATION	CAVITY	RATING	PART NUMBER		DESCRIPTION
			FUSE	BREAKER	
F10-A	E1, F1	5	3534208C1 / 3534209C1	3536178C1	FAN SOLENOID / IBBE / HCI
F10-B	E2, F2	15	3534210C1	3536179C1	ELECTRIC TRAILER BRAKES
F10-C	E3, F3	20	3534211C1	3536180C1	BODY STOP
F10-D	E4, F4	15/10	3534211C1	3536180C1	FUEL PUMP/DRIVER DISPLAY

RELAY LOCATION -CAVITY	PART NUMBER	DESCRIPTION
A1, A2, B2, C1, C2	3519350C1	OPTIONAL RELAY SEE NOTE
A3, A4, B4, C3, C4	3519350C1	CRANK-I OR IGN INTERRUPT RELAY
G1, G2, J1, J2, H2	3519350C1	RETARDER / WHEEL CHAIR LIFT / LIFT AXLE / 5TH WHEEL LOCK RELAY
G3, G4, J3, J4, H4	3519350C1	AUTO NEUTRAL LIGHT RELAY / WINDSHIELD / CRANK / 5TH WHEEL UNLOCK RELAY

NOTE :- TRIP HEADLIGHT INPUT RELAY, LIFT AXLE REVERSE RELAY

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
CNA1	30SEP10	CHARTS REVISED.	B	68076W	360070	CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
					RELEASE NO. 62476L	DATE 19NOV09
					PART NO. AE08058187	SHEET 16A

Figure 250 Connector Composite (1019)

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13.18. CONNECTOR COMPOSITES (1020), P. 17

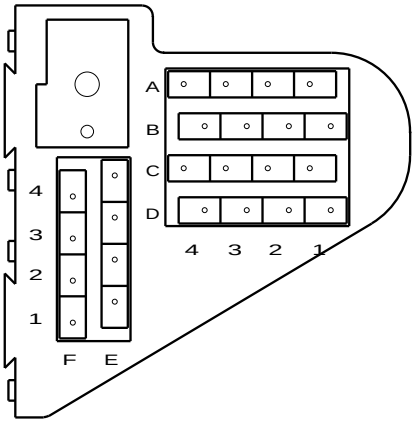
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ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

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



CONNECTOR 3599540C1
BODY LOCK 3599541C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A1#	A59RE	18	GY	3534164C1
A1%	A78BC	16	LTGN	3515517C1
A2#	A59CD	18	GY	3534164C1
A2%	A78	16	LTGN	3515517C1
A3	A12D	12	LTBL	3573311C1
A4	–	–	–	–

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
B1#	A59RD	16	GY	3573312C1
B1%	A78B	14	BK	3516158C1
B2#	A59CE	18	GY	3534164C1
B2%	A78-GBH	18	WH	3515517C1
B3	A44Z	18	GY	3515517C1
B4	–	–	–	–
C1	A70-GC	18	WH	3534164C1
C2	A70BF	14	RD	3573312C1
C3*	A37A	20	TN	3535484C1
C3*	A37B	18	TN	3534164C1
C4	A14JT	20	RD	3535484C1
D1*	A70BA	14	RD	3573312C1
D1*	A70BB	14	RD	3573312C1
D2*	A70C	18	OR	3534164C1
D2*	A70C	14	RD	3573312C1
D3*	A37B	18	TN	3534164C1
D3*	A37A	16	TN	3573312C1
D4*	A13FP	18	PK	3534164C1
D4*	A13FP	18	PK	3573312C1
	A13FJ	18	PK	3573312C1
D4*	A13FP	18	PK	3515517C1
E1	A14HD	14	RD	3573311C1
	A14HH	16	RD	3573312C1
E2	A13FS	12	PK	3573311C1
E3	A13FL	12	PK	3573311C1
E4	A14HH	16	RD	3573312C1
F1	A94BF	18	GY	3534164C1
F2	A97DF	18	PL	3534164C1
F3	A59H	18	GY	3573312C1
	A59J	18	GY	3573312C1
F4	A14FF	16	RD	3573312C1

* MUTUALLY EXCLUSIVE
W/ ALLISON W/ RMT SS
% W/ MIRROR-HTD W/ WHLD

FUSE LOCATION	CAVITY	RATING	PART NUMBER	DESCRIPTION
			FUSE	
F11-A	E1, F1	5	3534208C1	AGSP / DISPLAY / HYD FPB BRK SWITCH
F11-B	E2, F2	5	3534208C1	ENGINE BODY BUILDER
F11-C	E3, F3	5	3534208C1	LIFT AXLE
F11-D	E4, F4	5	3534208C1	FUEL COOLER SOLENOID
F11-E	A3, B3	5	3534208C1	SAAR

RELAY LOCATION CAVITY	PART NUMBER	DESCRIPTION
A1, A2, B1, B2	3600330C1	PUMP RELAY / HEATED WINDSHIELD
A3, A4, B3, B4		NOT USABLE FOR RELAY
C1, C2, D1, D2	3600330C1	BODY STOP RELAY
C3, C4, D3, D4	3600330C1	I6/V8 PUMP RELAY

CHK	DATE	CHANGE	REV	REFERENCE
CNA1	30SEP10	CHARTS REVISED.	C	68076W

DRAWN 310702
NAME CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
RELEASE NO. 61229V
DATE 22APR09
PART NO. AE08058187
SHEET 017

Figure 251 Connector Composites (1020)

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13.19. CONNECTOR COMPOSITES (1023A), (1023B), P. 18

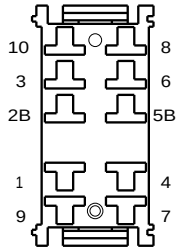
INTERNATIONAL TRUCK AND ENGINE CORPORATION

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ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

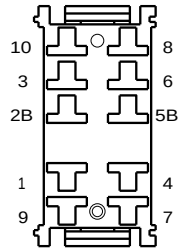
LIFT AXLE UP / DOWN SWITCH #2 (1023B)
(LOCATED IN INSTRUMENT PANEL CENTER)



CONNECTOR 3520850C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	A59B	18	GY	3541250C1
	A59NB	18	GY	3541250C1
2B	A59U	18	GY	1661224C1
3	-	-	-	-
4	-	-	-	-
5B	-	-	-	-
6	-	-	-	-
7	-	-	-	-
8	A59B	18	GY	1661224C1
9	-	-	-	-
10	A59-GD	18	WH	1661224C1

LIFT AXLE UP / DOWN SWITCH #1 (1023A)
(LOCATED IN INSTRUMENT PANEL CENTER)



CONNECTOR 3520850C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	A59A	18	GY	3541250C1
	A59MB	18	GY	3541250C1
2B	A59S	18	GY	1661224C1
3	-	-	-	-
4	-	-	-	-
5B	-	-	-	-
6	-	-	-	-
7	-	-	-	-
8	A59A	18	GY	1661224C1
9	-	-	-	-
10	A59-GB	18	WH	1661224C1

CHK	DATE	CHANGE	REV	REFERENCE
DLV1	18SEP09	INITIAL RELEASE.	A	61229V

DRAWN 310702
NAME CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
RELEASE NO. 61229V
DATE 22APR09
PART NO. AE08058187
SHEET 018

Figure 252 Connector Composites (1023A), (1023B)

https://truckmanualshub.com/

13.20. CONNECTOR COMPOSITES (1023C), (1023D), P. 19

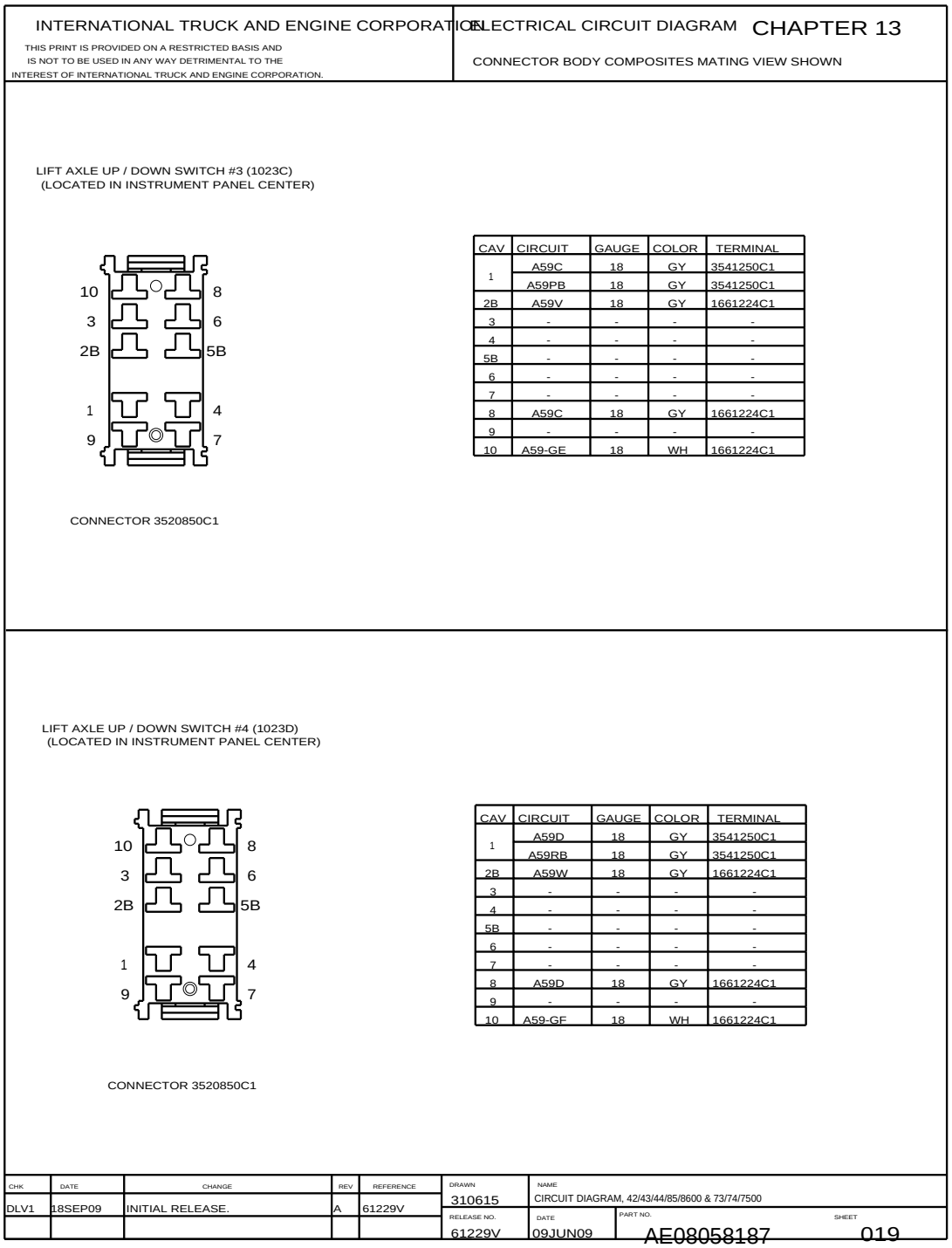


Figure 253 Connector Composites (1023C), (1023D)

https://truckmanualshub.com/

13.21. CONNECTOR COMPOSITES (1025), (1026), (1029), P. 20

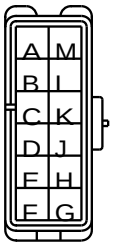
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ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

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

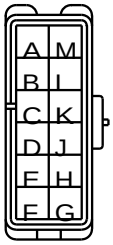


CONNECTOR 3601838C1
BODY LOCK 3601839C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A	A5RF(-)	18	GN	3534164C1
B	A5FA(-)	18	GN	3534164C1
C	A5RH(-)	18	LTGN	3534164C1
D	A5RH(-)	18	LTGN	3534164C1
E*	A5AK(-)	18	GN	3534164C1
E*	A5H(-)	18	GN	3534164C1
E*	A5D(-)	18	GN	3534164C1
F*	A5RJ(-)	18	GN	3534164C1
F*	A5F (-)	18	GN	3534164C1
G*	A5RJ(+)	18	YL	3534164C1
G*	A5F(+)	18	YL	3534164C1
H*	A5AK(+)	18	YL	3534164C1
H*	A5H(+)	18	YL	3534164C1
H*	A5D(+)	18	YL	3534164C1
J	A5RH(+)	18	YL	3534164C1
K	A5RH(+)	18	YL	3534164C1
L	A5FA(+)	18	YL	3534164C1
M	A5RF(+)	18	YL	3534164C1

* MUTUALLY EXCLUSIVE

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

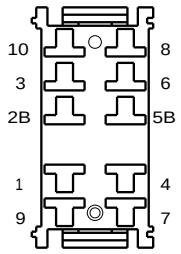


CONNECTOR 3601838C1
BODY LOCK 3601839C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A*	A5RD(-)	18	GN	3534164C1
A*	A5R(-)	18	GN	3534164C1
B	A5C(-)	18	GN	3534164C1
C	A5RE(-)	18	LTGN	3534164C1
D	A5RE(-)	18	LTGN	3534164C1
E	A5CA(-)	18	GN	3534164C1
F	A5RF(-)	18	GN	3534164C1
G	A5RF(+)	18	YL	3534164C1
H	A5CA(+)	18	YL	3534164C1
J	A5RE(+)	18	YL	3534164C1
K	A5RE(+)	18	YL	3534164C1
L	A5C(+)	18	YL	3534164C1
M*	A5RD(+)	18	YL	3534164C1
M*	A5R(+)	18	YL	3534164C1

* MUTUALLY EXCLUSIVE

HORN SWITCH (1029)
(LOCATED IN INSTRUMENT PANEL CENTER)



CONNECTOR 3520850C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	-	-	-	-
2B	A85L	18	GY	1661224C1
3	A9M	18	GY	1661224C1
4	-	-	-	-
5B	-	-	-	-
6	-	-	-	-
7	-	-	-	-
8	A62R	18	DKBL	1661224C1
9	-	-	-	-
10	A62-GF	18	WH	1661224C1

CHK	DATE	CHANGE	REV	REFERENCE
DLV1	28APR10	ADDED CIRC A5D(+) &	B	62476L
		A5D(-) TO R/D 1025.		

DRAWN 310615
NAME CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
RELEASE NO. 61229V
DATE 09JUN09
PART NO. AE08058187
SHEET 020

Figure 254 Connector Composites (1025), (1026), (1029)

https://truckmanualshub.com/

13.22. CONNECTOR COMPOSITES (1100), (1100MA), (1101), (1101A), P. 21

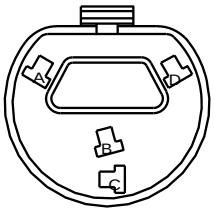
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ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

KEY SWITCH (1100)
(LOCATED IN INSTRUMENT PANEL CENTER)

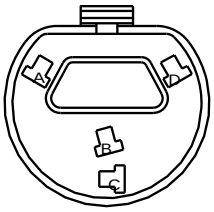


CONNECTOR 3546518C1
BODY LOCK 3546519C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A	A15	18	RD	1661208C1
B	A17H	16	PK	1661208C1
B#	A17	18	PK	1661208C1
C	A12	18	LTBL	1661208C1
D*	A13DB	18	PK	1661208C1
D*	A13F	18	PK	1661208C1
D*	A104J	18	DKBL	1661208C1

* MUTUALLY EXCLUSIVE
INTL I6 & EATON HYBRID

KEY SWITCH CONN (1100MA)
(LOCATED IN INSTRUMENT PANEL CENTER)

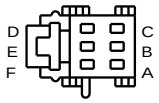


CONNECTOR 3546518C1
BODY LOCK 3546519C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A	A15	16	RD	1661208C1
B*	A17H	16	PK	1661208C1
B*	A17H	18	PK	1661208C1
C	A12	18	LTBL	1661208C1
D	A13F	18	PK	1661208C1

* MUTUALLY EXCLUSIVE

LOC 1 & 2 SWITCH PACK (1101)
(LOCATED IN INSTRUMENT PANEL CENTER)

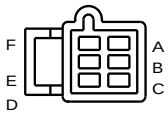


CONNECTOR 2031871C1
BODY LOCK 2031873C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A	A11-GKD	18	WH	1661261C1
B	A12F	18	LTBL	1661261C1
C	A62DB	18	DKBL	1661261C1
D*	A3C(+)	18	DKBL	1661261C1
D*	A3A(+)	18	DKBL	1661261C1
E*	A3C(-)	18	GY	1661261C1
E*	A3A(-)	18	GY	1661261C1
F	-	-	-	-

* MUTUALLY EXCLUSIVE

SWITCH PACK (1101A)
(LOCATED IN INSTRUMENT PANEL CENTER)



CONNECTOR 2031872C1
BODY LOCK 2031874C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A	A11-GJ	18	WH	1661262C1
B	A12FC	18	LTBL	1661262C1
C	A62S	18	DKBL	1661262C1
D	-	-	-	-
E	-	-	-	-
F	-	-	-	-

CHK	DATE	CHANGE	REV	REFERENCE
DLV1	28APR10	MODIFIED DESCRIPTION	B	62476L
		FOR CONN 1101.		

DRAWN 310615
NAME CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
RELEASE NO. 61229V
DATE 09JUN09
PART NO. AE08058187
SHEET 021

Figure 255 Connector Composites (1100), (1100MA), (1101), (1101A)

https://truckmanualshub.com/

13.23. CONNECTOR COMPOSITES (1105), (1106), (1107), (1108), P. 22

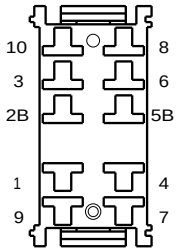
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ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

ROCKER START SWITCH (1105)
(LOCATED IN INSTRUMENT PANEL CENTER)

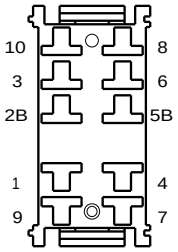


CONNECTOR 3520850C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	-	-	-	-
2B	A13FJ	18	PK	1661224C1
3#	A17BA	16	PK	1661224C1
3#	A17H	16	PK	1661224C1
4	-	-	-	-
5B	-	-	-	-
6	-	-	-	-
7	-	-	-	-
8	A62T	18	DKBL	1661224C1
9	-	-	-	-
10	A62-GT	18	WH	1661224C1

MUTUALLY EXCLUSIVE

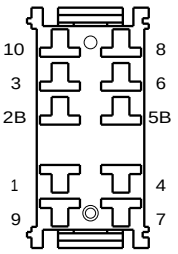
IP AUX ROOF LOAD SWITCH (1106)
(LOCATED IN INSTRUMENT PANEL CENTER)



CONNECTOR 3520850C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	-	-	-	-
2B	A12X	18	LTBL	1661224C1
3	A12Y	18	LTBL	3541250C1
	A12V	18	LTBL	3541250C1
4	-	-	-	-
5B	-	-	-	-
6	-	-	-	-
7	A12V	18	LTBL	1661224C1
8	A62U	18	DKBL	1661224C1
9	A12-GA	16	WH	1661224C1
10	-	-	-	-

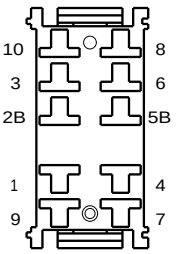
SNOWVALVE SWITCH (1107)
(LOCATED IN INSTRUMENT PANEL CENTER)



CONNECTOR 3520850C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	A23M	18	TN	1661224C1
2B	A13DA	18	PK	1661224C1
3	A23J	18	TN	1661224C1
4	A23L	18	TN	1661224C1
5B	A23-GA	18	WH	1661224C1
6	A23K	18	TN	1661224C1
7	A23H	18	TN	1661224C1
8	A62A	18	LTBL	1661224C1
9	-	-	-	-
10	-	-	-	-

LEFT AXLE ENABLE SWITCH (1108)
(LOCATED IN INSTRUMENT PANEL CENTER)



CONNECTOR 3520850C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	A59R	18	GY	1661224C1
2B	A59H	18	GY	1661224C1
3	-	-	-	-
4	-	-	-	-
5B	-	-	-	-
6	-	-	-	-
7	-	-	-	-
8	A59T	18	GY	1661224C1
9	-	-	-	-
10	A59-GA	18	WH	1661224C1

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
DLV1	28APR10	REVISED 1105 CHART.	B	62476L	310615	CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
					RELEASE NO. 61229V	DATE 09JUN09

PART NO. AE08058187 SHEET 022

Figure 256 Connector Composites (1105), (1106), (1107), (1108)

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13.24. CONNECTOR COMPOSITES (1109), (1110), (1200), P. 23

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ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

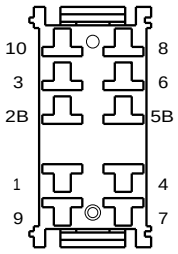
HYDRAULIC POWER PACK SWITCH (1109)
(LOCATED IN INSTRUMENT PANEL CENTER)



CONNECTOR 3518182C1
BODY LOCK 3518184C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A	A44A	18	GY	3518963C1
B	A90-M	18	GY	3518963C1

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

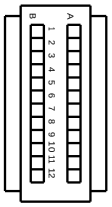


CONNECTOR 3520850C1

@ MUTUALLY EXCLUSIVE

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	A72D	18	OR	1661224C1
2B	A110C	18	GY	1661224C1
3@	A72CA	18	OR	1661224C1
3@	A72FA	18	OR	1661226C1
3@	A72F	16	OR	1661226C1
3@	A72ED	18	OR	3541250C1
3@	A72EC	18	OR	3541250C1
4	-	-	-	-
5B	-	-	-	-
6	-	-	-	-
7@	A72B	14	OR	1661226C1
7@	A72FA	18	OR	1661224C1
7@	A72ED	18	OR	1661224C1
8	A62SC	18	DKBL	1661224C1
9@	A72-G	18	WH	1661224C1
9@	A72-GB	18	WH	1661224C1
10	A72-GB	18	WH	3541250C1
	A72-GD	18	WH	3541250C1

HVAC CONTROL (1200)
(LOCATED IN INSTRUMENT PANEL CENTER)



CONNECTOR 3534302C1
BODY LOCK1 3539892C1
BODY LOCK2 3539893C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A1	A73A	18	LTGN	3522073C1
A2	A75D	18	LTGN	3522073C1
A3	-	-	-	-
A4	A77	20	LTGN	3534303C1
A5	-	-	-	-
A6	-	-	-	-
A7	-	-	-	-
A8	-	-	-	-
A9	A75C	20	LTGN	3534303C1
A10	-	-	-	-
A11	A75A	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

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
DLV1	28APR10	REVISED 1110 CHART.	B	62476L	310615	CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
					RELEASE NO. 61229V	DATE 09JUN09

PART NO. AE08058187 SHEET 023

Figure 257 Connector Composites (1109), (1110), (1200)

https://truckmanualshub.com/

13.25. CONNECTOR COMPOSITES (1210), (1220), (1227), (1228), P. 24

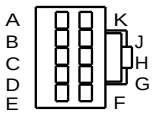
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ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

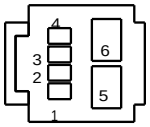
HVAC UNIT (1210)
(LOCATED IN INSTRUMENT PANEL RIGHT SIDE)



CONNECTOR 3837771C1
BODY LOCK 3540614C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A	A74	18	LTGN	1661261C1
B	A74A	18	LTGN	1661261C1
C	A74B	18	LTGN	1661261C1
D	A74C	18	LTGN	1661261C1
E	A75D	18	LTGN	1661261C1
F	A74E	18	LTGN	1661261C1
G	A75E	20	LTGN	3544254C1
H	A75ZVRA	18	GY	1661261C1
J	A77D	20	LTGN	3544254C1
K	A75ZVRB	18	GY	1661261C1

HVAC LPM (1220)
(LOCATED ON RIGHT SIDE KICK PANEL HVAC LPM)



CONNECTOR 3627940C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	-	-	-	-
2	-	-	-	-
3	-	-	-	-
4	A75A	18	LTGN	3544884C1
5	A75-G	12	WH	3605694C1
6	A75	12	LTGN	3605694C1

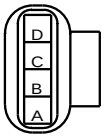
LIFT AXLE CONTROL (1227)
(LOCATED IN INSTRUMENT PANEL RIGHT SIDE)



CONNECTOR 1661889C1
BODY LOCK 1661890C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A	A59H	18	GY	1661261C1
B	A59J	18	GY	1661261C1
C	A59-G	16	WH	1661261C1

J1939 SPLICE VORAD DRIVER DISPLAY (1228)
(LOCATED IN INSTRUMENT PANEL RIGHT SIDE)



CONNECTOR 2036585C1
BODY LOCK 1687788C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A	A73X	16	LTBL	2036586C1
B	A73W	16	LTBL	2036586C1
C	A73V	16	LTBL	2036586C1
D	A73U	16	LTBL	2036586C1

CHK	DATE	CHANGE	REV	REFERENCE
DLV1	28APR10	CIRC A74E WAS A75E IN	B	62476L
	R/D 1210.			

DRAWN 310615
NAME CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
RELEASE NO. 61229V
DATE 09JUN09
PART NO. AE08058187
SHEET 024

Figure 258 Connector Composites (1210), (1220), (1227), (1228)

https://truckmanualshub.com/

13.26. CONNECTOR COMPOSITES (1229), (1230F), (1231), (1240F), (1241F), P. 25

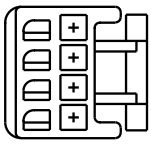
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ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

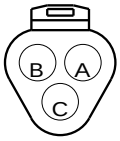
VORAD SIDE DISPLAY (1229)
(LOCATED IN RIGHT SIDE 'A' PILLAR)



CONNECTOR 3545777C1
BODY LOCK 3545778C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	-	-	-	-
2	A73T	16	LTBL	3522073C1
3	A73S	16	LTBL	3522073C1
4	A73P	16	LTBL	3522073C1

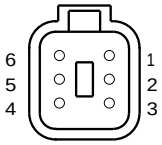
VORAD RIGHT SIDE SENSOR (1240F)
(LOCATED BY LEFT FRAME RAIL NEAR BACK OF CAB)



CONNECTOR 3519059C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A	N73R	16	LTBL	1680206C1
B	N73M	16	LTBL	1680206C1
C	N73AF	16	LTBL	1680206C1

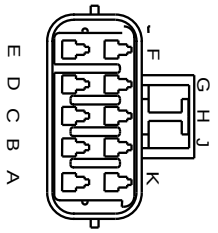
VORAD RIGHT SIDE SENSOR (1241F)
(LOCATED BY LEFT FRAME RAIL NEAR BACK OF CAB)



CONNECTOR 3673640C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	N67AB	16	PK	3572626C1
2	N67-GC	16	WH	3572626C1
3	N67B	16	GY	3572626C1
4	N67C	16	GY	3572626C1
5	N67D	16	GY	3572626C1
6	-	-	-	-

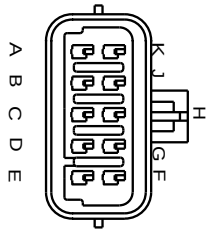
EATON VORAD CONNECTOR #1 (1230F)
(LOCATED IN INSTRUMENT PANEL RIGHT SIDE)



CONNECTOR 3538635C1
BODY LOCK 3538636C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	A67E	16	LTBL	1661875C1	1661872C1
B	A67-G	16	WH	1661875C1	1661872C1
C	A67D	16	LTBL	1661875C1	1661872C1
D	A67C	16	LTBL	1661875C1	1661872C1
E	A67B	16	LTBL	1661875C1	1661872C1
F	A67A	16	LTBL	1661875C1	1661872C1
G	A98VE+	16	BK	1661875C1	1661872C1
H	A98VE-	16	BK	1661875C1	1661872C1
J	A70CD	16	LTBL	1661875C1	1661872C1
K	A73L	16	LTBL	1661875C1	1661872C1

EATON VORAD CONNECTOR #2 (1231)
(LOCATED IN INSTRUMENT PANEL RIGHT SIDE)



CONNECTOR 3538634C1
BODY LOCK 3538636C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	A73M	16	LTBL	1667742C1	1661872C1
B	A73N	16	LTBL	1667742C1	1661872C1
C	A57NA	18	OR	1667742C1	3568570C1
D	A73P	16	LTBL	1667742C1	1661872C1
E	A73U	16	LTBL	1667742C1	1661872C1
F	A73V	16	LTBL	1667742C1	1661872C1
G	A73W	16	LTBL	1667742C1	1661872C1
H	A73X	16	LTBL	1667742C1	1661872C1
J	A5AK(+)	18	YL	1667742C1	3568570C1
K	A5AK(-)	18	GN	1667742C1	3568570C1

CHK	DATE	CHANGE	REV	REFERENCE
DLV1	28APR10	MODIFIED DESCRIPTION	B	62476L
		FOR R/D 1230F AND 1231.		

DRAWN 310615
NAME CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
RELEASE NO. 61229V
DATE 09JUN09
PART NO. AE08058187
SHEET 025

Figure 259 Connector Composites (1229), (1230F), (1231), (1240F), (1241F)

https://truckmanualshub.com/

13.27. CONNECTOR COMPOSITES (1242), (1243), (1300), (1301), (1338M), P. 26

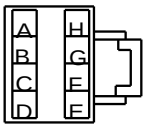
NAVISTAR, INC

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ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

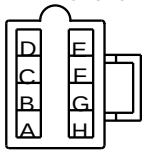
MOBILEMAX POWER INPUT (1242)
(LOCATED INSIDE NEAR BACK OF CAB LEFT SIDE)



CONNECTOR 2005835C1
BODY LOCK 2006503C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A	A14AF	18	RD	1661208C1
B	A14AH	18	RD	1661208C1
C	A11-GGA	18	WH	1661208C1
D	A11-GGB	18	WH	1661208C1
E	A13FG	18	PK	1661208C1
F	A3AB(+)	18	DKBL	1661208C1
G	A3AB(-)	18	GY	1661208C1
H	-	-	-	-

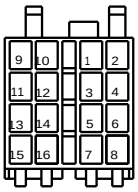
MOBILEMAX DISCRETE I/O (1243)
(LOCATED INSIDE NEAR BACK OF CAB LEFT SIDE)



CONNECTOR 2005836C1
BODY LOCK 2006504C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A	-	-	-	-
B	A62B	18	DKBL	1661212C1
C	-	-	-	-
D	-	-	-	-
E	-	-	-	-
F	-	-	-	-
G	-	-	-	-
H	-	-	-	-

RADIO (1300)
(LOCATED IN INSTRUMENT PANEL)

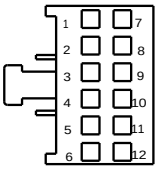


* W/ PREM TRIM
\# W/ QUALCOMM OMNIVISION

CONNECTOR 3597143C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	-	-	-	-
2	-	-	-	-
3	A54D	18	BN	3597102C1
4	A86	18	LTGN	3597102C1
5	-	-	-	-
6	A62E	18	DKBL	3597102C1
7	A86A	18	LTGN	3597102C1
8	A86-G	18	WH	3597102C1
9	A86DA	20	LTGN	3597102C1
10	A86EA	20	LTGN	3597102C1
11*	A86K	20	LTGN	3597102C1
11#	A86K	18	LTGN	3597102C1
12*	A86L	20	LTGN	3597102C1
12#	A86L	18	LTGN	3597102C1
13*	A86H	20	LTGN	3597102C1
13#	A86H	18	LTGN	3597102C1
14*	A86J	20	LTGN	3597102C1
14#	A86J	18	LTGN	3597102C1
15	A86BA	20	LTGN	3597102C1
16	A86CA	20	LTGN	3597102C1

RADIO CONNECTOR (1301)
(LOCATED IN INSTRUMENT PANEL - RADIO)



CONNECTOR 3580403C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	A86H	20	LTGN	3580404C1
2	A86J	20	LTGN	3580404C1
3	A86BA	20	LTGN	3580404C1
4	A86CA	20	LTGN	3580404C1
5	A86-G	20	WH	3580404C1
6	A86	20	LTGN	3580404C1
7	A86K	20	LTGN	3580404C1
8	A86L	20	LTGN	3580404C1
9	A86DA	20	LTGN	3580404C1
10	A86EA	20	LTGN	3580404C1
11	-	-	-	-
12	A86AA	20	LTGN	3580404C1

MVPC FEED (1338M)
(LOCATED AT INSTRUMENT PANEL RIGHT SIDE)



CONNECTOR 1669972C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A	A14MV	16	RD	1661209C1
B	A11-GMV	16	WH	1661209C1

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
DLV1	28APR10	REVISED:1242,1243,	B	62476L	310615	CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
		1301 TITLES,1300 CHART.			RELEASE NO. 61229V	DATE 09JUN09 PART NO. AE08058187 SHEET 026

Figure 260 Connector Composites (1242), (1243), (1300), (1301), (1338M)

https://truckmanualshub.com/

13.28. CONNECTOR COMPOSITES (1400), (1401), (1402), P. 27

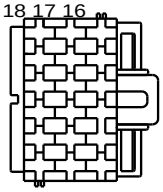
INTERNATIONAL TRUCK AND ENGINE CORPORATION

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INTEREST OF INTERNATIONAL TRUCK AND ENGINE CORPORATION.

ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

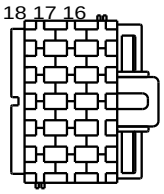
ABS#1 (1400)
(LOCATED ON RIGHT SIDE
KICK PANEL ABS MODULE)



CONNECTOR 3596926C1
BODY LOCK 3562309C1

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

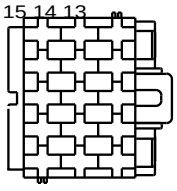
ABS#2 (1401)
(LOCATED ON RIGHT SIDE KICK PANEL ABS MODULE)



CONNECTOR 3596929C1

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

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



CONNECTOR 3596928C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	-	-	-	-
2	-	-	-	-
3*	A94SK	16	GY	3598073C1
3*	A94SK	18	GY	3598072C1
4	-	-	-	-
5*	A94SJ	16	GY	3598073C1
5*	A94SJ	18	GY	3598072C1
6	-	-	-	-
7	-	-	-	-
8	-	-	-	-
9	-	-	-	-
10	-	-	-	-
11	-	-	-	-
12	-	-	-	-
13	-	-	-	-
14	-	-	-	-
15	-	-	-	-

* MUTUALLY EXCLUSIVE

CHK	DATE	CHANGE	REV	REFERENCE
DLV1	18SEP09	INITIAL RELEASE.	A	61229V

DRAWN 310615
NAME CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
RELEASE NO. 61229V
DATE 09JUN09
PART NO. AE08058187
SHEET 027

Figure 261 Connector Composites (1400), (1401), (1402)

https://truckmanualshub.com/

13.29. CONNECTOR COMPOSITES (1403), (1410), P. 28

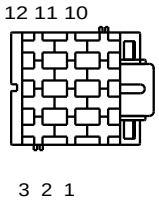
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ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

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

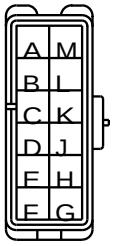


CONNECTOR 3596927C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1*	A94SZD	16	GY	3598073C1
1*	A94SZ	18	GY	3598072C1
1*	A94SZD	18	GY	3598072C1
2*	A94SE	16	GY	3598073C1
2*	A94SE	18	GY	3598072C1
3*	A94SH	16	GY	3598073C1
3*	A94SH	18	GY	3598072C1
4*	A94SVD	16	GY	3598073C1
4*	A94SV	18	GY	3598072C1
4*	A94VSD	18	GY	3598072C1
5*	A94SF	16	GY	3598073C1
5*	A94SF	18	GY	3598072C1
6*	A94SL	16	GY	3598073C1
6*	A94SL	18	GY	3598072C1
7	A94SDA	18	GY	3598072C1
8	A94SBA	18	GY	3598072C1
9*	A94SM	16	GY	3598073C1
9*	A94SM	18	GY	3598072C1
10	A94SCA	18	GY	3598072C1
11	A94SAA	18	GY	3598072C1
12*	A94SN	16	GY	3598073C1
12*	A94SN	18	GY	3598072C1

* MUTUALLY EXCLUSIVE

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



CONNECTOR 3601838C1

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

* MUTUALLY EXCLUSIVE

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
DLV1	28APR10	REMOVED ASTERISK FROM	B	62476L	310615	CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
	CAV 7 OF R/D 1403.				RELEASE NO. 61229V	DATE 09JUN09 PART NO. AE08058187 SHEET 028

Figure 262 Connector Composites (1403), (1410)

https://truckmanualshub.com/

13.30. CONNECTOR COMPOSITES (1420), (1421), (1500), P. 29

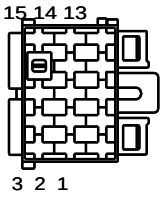
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ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

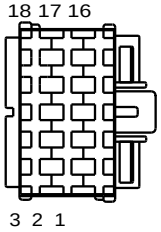
WABCO ABS (1420)
(LOCATED ON RIGHT SIDE KICK PANEL ABS MODULE)



CONNECTOR 3557922C1
BODY LOCK 3549120C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	A5N(-)	18	GN	3548971C1
2	-	-	-	-
3	A5N(+)	18	YL	3548971C1
4	A94A-G1	18	WH	3548971C1
5	-	-	-	-
6	-	-	-	-
7	A94V	14	GY	3548972C1
8	A94AY	14	GY	3548972C1
9	A94A-G2	16	WH	3548970C1
10	A3BA(-)	18	GY	3548971C1
11	A3BA(+)	18	DKBL	3548971C1
12	-	-	-	-
13	-	-	-	-
14	-	-	-	-
15	-	-	-	-

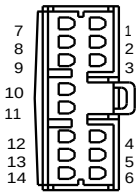
WABCO ABS (1421)
(LOCATED ON RIGHT SIDE KICK PANEL ABS MODULE)



CONNECTOR 3557921C1
BODY LOCK 3562309C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	A94AK	18	GY	3548971C1
2	A94WR	18	GY	3548971C1
3	A94AB	18	GY	3548971C1
4	A94AH	18	GY	3548971C1
5	A94WN	18	GY	3548971C1
6	A94AL	18	GY	3548971C1
7	A94WZ	18	GY	3548971C1
8	A94WW	18	GY	3548971C1
9	A94WU	18	GY	3548971C1
10	A94AE	18	GY	3548971C1
11	A94WL	18	GY	3548971C1
12	A94AC	18	GY	3548971C1
13	A94AF	18	GY	3548971C1
14	A94WM	18	GY	3548971C1
15	A94AD	18	GY	3548971C1
16	A94WX	18	GY	3548971C1
17	A94WS	18	GY	3548971C1
18	A94WT	18	GY	3548971C1

CLUSTER CONNECTOR (1500)
(LOCATED IN INSTRUMENT PANEL CENTER)



CONNECTOR 3548792C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	A28-G	16	WH	2018639C1
2	A28	16	TN	2018639C1
3	-	-	-	-
4	A62	18	DKBL	2018639C1
5	A62B	18	DKBL	2018639C1
6	-	-	-	-
7	A28A	18	TN	2018639C1
8	A110AD	18	GY	2018639C1
9	A72CA	18	OR	2018639C1
10	A72D	18	OR	2018639C1
11	-	-	-	-
12	-	-	-	-
13	-	-	-	-
14	A52C	20	YL	2018639C1

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
DLV1	28APR10	ADDED CIRC A52C TO	B	62476L	310615	CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
	CONN 1500.				RELEASE NO. 61229V	DATE 09JUN09

PART NO. AE08058187 SHEET 029

Figure 263 Connector Composites (1420), (1421), (1500)

https://truckmanualshub.com/

13.31. CONNECTOR COMPOSITES (1501), (1502), P. 30

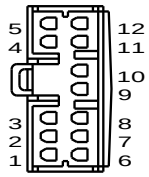
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ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

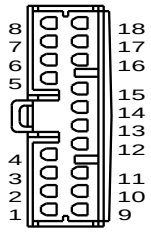
CLUSTER CONNECTOR (1501)
(LOCATED IN INSTRUMENT PANEL CENTER)



CONNECTOR 2018590C1

* MUTUALLY EXCLUSIVE

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	A110B	18	GY	2018639C1
2*	A106B	18	GY	2018639C1
2*	A106	18	GY	2018639C1
3	–	–	–	–
4	A110C	18	GY	2018639C1
5	–	–	–	–
6	–	–	–	–
7	A61B	18	GY	2018639C1
8	A61	18	GY	2018639C1
9	A41	18	GY	2018639C1
10	–	–	–	–
11	A5D(-)	18	GN	2018639C1
12	A5D(+)	18	YL	2018639C1



TRANSMISSION MODULE 1
(1501)

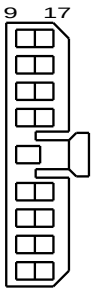
CONNECTOR 2018589C1

@ W/ LCT XMSN
W/ BODY BUILDER CIRC
* W/ WTEC XMSN
W/ AUTO NEUTRAL 13WUA

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	K92#101	18	LTBL	2018639C1
2	K92#103	18	YL	2018639C1
3	K92#105	18	OR	2018639C1
4@	K92#109	18	GY	2018639C1
4*	K92C109	18	GY	2018639C1
5@	K92A110	18	PK	2018639C1
5*	K92B110	18	PK	2018639C1
6@	K92#120	18	LTBL	2018639C1
6	K92#117	18	LTBL	2018639C1
6*	K92A117	18	LTBL	2018639C1
7@	K92#180	18	OR	2018639C1
7*	K92#122	18	YL	2018639C1
8@	K47#125	18	TN	2018639C1
8*	K92#123	18	LTGN	2018639C1
9	K48#139	18	OR	2018639C1
9*	K92#115	18	GY	2018639C1
10@	K48#159	18	TN	2018639C1
10*	K92#130	18	WH	2018639C1
11@	K92#142	18	WH	2018639C1
11*	K92#134	18	YL	2018639C1
12@	K92#143	18	LTBL	2018639C1
12*	K92A141	18	TN	2018639C1
13@	K92#150	18	PK	2018639C1
13*	K92#143	18	LTBL	2018639C1
14@	K47#140	18	LTGN	2018639C1
14*	K92#145	18	OR	2018639C1
15	K47#160	18	YL	2018639C1
15*	K92#119	18	LTBL	2018639C1
16	K92#163	18	YL	2018639C1
16*	K92#124	18	YL	2018639C1
17@	K92#165	18	TN	2018639C1
17*	K92#162	18	YL	2018639C1
18@	K92#169	18	GY	2018639C1
18*	K92#163	18	YL	2018639C1

TRANSMISSION MODULE 2
(1502)

CONNECTOR 1661601C1



CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1@	K92#170	18	PK	1661598C1
1*	K92#164	18	LTBL	1661598C1
2@	K92#123	18	LTGN	1661598C1
2*	K92#165	18	TN	1661598C1
3@	K92#111	18	OR	1661598C1
3*	K92B169	18	GY	1661598C1
4@	K92#114	18	GY	1661598C1
4*	K92#170	18	PK	1661598C1
5@	K92#117	18	LTBL	1661598C1
5*	K92#111	18	OR	1661598C1
6@	K92#133	18	YL	1661598C1
6*	K92A112	18	PK	1661598C1
7@	K92#134	18	WH	1661598C1
7*	K92#116	18	LTBL	1661598C1
8@	K92#136	18	OR	1661598C1
8*	K92#177	18	LTGN	1661598C1
9@	K92#138	18	OR	1661598C1
9*	K92#131	18	YL	1661598C1
10@	K92#141	18	TN	1661598C1
10*	K92#133	18	YL	1661598C1
11@	K92#151	18	TN	1661598C1
11*	K92#136	18	OR	1661598C1
12@	K92#152	18	LTGN	1661598C1
12*	K92#137	18	WH	1661598C1
13@	K92#153	18	YL	1661598C1
13*	K92A158	18	LTGN	1661598C1
14@	K31#154	18	TN	1661598C1
14*	K92#171	18	YL	1661598C1
15@	K92#155	18	WH	1661598C1
15*	K92#151	18	WH	1661598C1
16@	K92#157	18	WH	1661598C1
16*	K92#152	18	LTGN	1661598C1
17@	K92#158	18	LTGN	1661598C1
17*	K31#154	18	TN	1661598C1

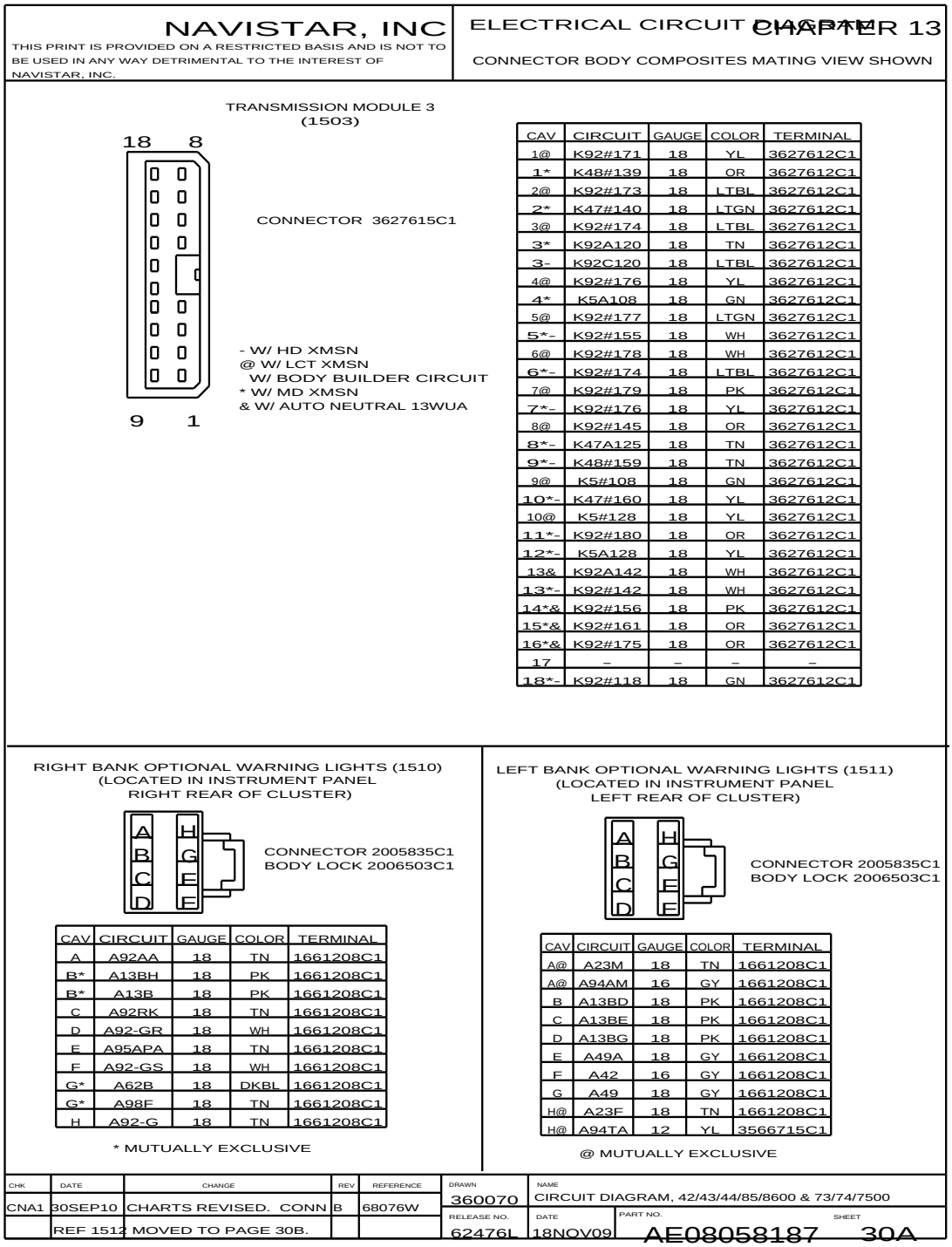
@ W/ LCT XMSN
W/ BODY BUILDER CIRC
* W/ WTEC XMSN
W/ AUTO NEUTRAL 13WUA

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
CNA1	30SEP10	CHARTS REVISED FOR REFC		68076W	310615	CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
		1501 AND 1502.			RELEASE NO. 61229V	DATE 09JUN09 / PART NO. AE08058187 / SHEET 030

Figure 264 Connector Composites (1501), (1502)

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13.32. CONNECTOR COMPOSITES (1503), (1510), (1511), P. 30A



CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1@	K92#171	18	YL	3627612C1
1*	K48#139	18	OR	3627612C1
2@	K92#173	18	LTBL	3627612C1
2*	K47#140	18	LTGN	3627612C1
3@	K92#174	18	LTBL	3627612C1
3*	K92A120	18	TN	3627612C1
3-	K92C120	18	LTBL	3627612C1
4@	K92#176	18	YL	3627612C1
4*	K5A108	18	GN	3627612C1
5@	K92#177	18	LTGN	3627612C1
5*-	K92#155	18	WH	3627612C1
6@	K92#178	18	WH	3627612C1
6*-	K92#174	18	LTBL	3627612C1
7@	K92#179	18	PK	3627612C1
7*-	K92#176	18	YL	3627612C1
8@	K92#145	18	OR	3627612C1
8*-	K47A125	18	TN	3627612C1
9*-	K48#159	18	TN	3627612C1
9@	K5#108	18	GN	3627612C1
10*-	K47#160	18	YL	3627612C1
10@	K5#128	18	YL	3627612C1
11*-	K92#180	18	OR	3627612C1
12*-	K5A128	18	YL	3627612C1
13&	K92A142	18	WH	3627612C1
13*-	K92#142	18	WH	3627612C1
14*&	K92#156	18	PK	3627612C1
15*&	K92#161	18	OR	3627612C1
16*&	K92#175	18	OR	3627612C1
17	–	–	–	–
18*-	K92#118	18	GN	3627612C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A	A92AA	18	TN	1661208C1
B*	A13BH	18	PK	1661208C1
B*	A13B	18	PK	1661208C1
C	A92RK	18	TN	1661208C1
D	A92-GR	18	WH	1661208C1
E	A95APA	18	TN	1661208C1
F	A92-GS	18	WH	1661208C1
G*	A62B	18	DKBL	1661208C1
G*	A98F	18	TN	1661208C1
H	A92-G	18	TN	1661208C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A@	A23M	18	TN	1661208C1
A@	A94AM	16	GY	1661208C1
B	A13BD	18	PK	1661208C1
C	A13BE	18	PK	1661208C1
D	A13BG	18	PK	1661208C1
E	A49A	18	GY	1661208C1
F	A42	16	GY	1661208C1
G	A49	18	GY	1661208C1
H@	A23F	18	TN	1661208C1
H@	A94TA	12	YL	3566715C1

Figure 265 Connector Composites (1503), (1510), (1511)

https://truckmanualshub.com/

13.33. CONNECTOR COMPOSITES (1512), P. 30B

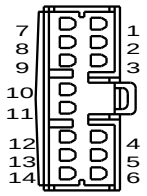
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ELECTRICAL CIRCUIT DIAGRAMS CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

GAUGE SWITCH PACK (1512)
(LOCATED IN INSTRUMENT PANEL BEHIND CENTER PANEL



CONNECTOR 3548792C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	A11-GJ	18	WH	2018639C1
2	A62S	18	DKBL	2018639C1
3	–	–	–	–
4	A11-GSE	18	WH	2018639C1
5	–	–	–	–
6	–	–	–	–
7	A14FF	16	RD	2018639C1
8	A12FC	18	LTBL	2018639C1
9	–	–	–	–
10	A5C(-)	18	GN	2018639C1
11	A5C(+)	18	YL	2018639C1
12	–	–	–	–
13	–	–	–	–
14	–	–	–	–

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
CNA1	30SEP10	INITIAL RELEASE.	A	68076W	U00LXD2	CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
					RELEASE NO. 68076W	DATE 09SEP10

PART NO. AE08058187 SHEET 30B

Figure 266 Connector Composites (1512)

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13.34. CONNECTOR COMPOSITE (1600), P. 31

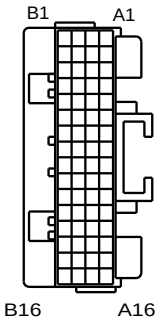
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ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

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



CONNECTOR 3598706C1
BODY LOCK1 1618846C1
BODY LOCK2 1618847C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A1	A12C	18	LTBL	3522073C1
A2*	A77A	20	LTGN	3534303C1
A2*	A77	20	LTGN	3534303C1
A3	A75C	20	LTGN	3534303C1
A4	A52A	20	YL	3534303C1
A5	A85B	20	GY	3534303C1
A6	A57R	20	OR	3534303C1
A7	A56L	20	OR	3534303C1
A8*	A87C	18	GY	3522073C1
A8*	A87EA	18	GY	3522073C1
A9	A82A	20	GY	3534303C1
A10	A82B	20	GY	3534303C1
A11	A82C	20	GY	3534303C1
A12	A44A	16	GY	3522073C1
A13	A63DF	18	DKBL	3522073C1
A14	A102A	20	YL	3534303C1
A15	A87B	20	GY	3534303C1
A16	A13	16	PK	3522073C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
B1	-	-	-	-
B2	A40	18	GY	3522073C1
B3	A40A	18	GY	3522073C1
B4	A97A	18	PL	3522073C1
B5	A77D	20	LTGN	3534303C1
B6	-	-	-	-
B7*	A88B	16	LTGN	3522073C1
B7*	A31	18	TN	3522073C1
B8	A36A	18	TN	3522073C1
B9	A36B	18	TN	3522073C1
B10	A32A	18	TN	3522073C1
B11	A32	18	TN	3522073C1
B12*	A77B	20	LTGN	3534303C1
B12*	A77B	18	LTGN	3522073C1
B13	A77E	20	LTGN	3534303C1
B14	A40B	18	GY	3522073C1
B15	-	-	-	-
B16	A97	20	GY	3534303C1

* MUTUALLY EXCLUSIVE

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
DLV1	28APR10	ADDED A77 AND A77B	B	62476L	310615	CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
	TO 1600;REVISED TITLE.				RELEASE NO. 61229V	DATE 09JUN09

PART NO. AE08058187 SHEET 031

Figure 267 Connector Composite (1600)

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13.35. CONNECTOR COMPOSITES (1601), P. 32

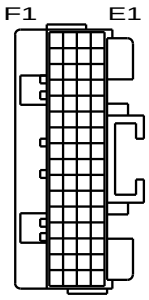
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ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

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



CONNECTOR 3598707C1
BODY LOCK1 1618846C1
BODY LOCK2 1618847C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
E1*	A59RA	18	GY	3522073C1
E1*	A89AR	18	PL	3522073C1
E1*	A103D	18	LTGN	3522073C1
E2	A104AA	18	DKBL	3522073C1
E2*	A103C	18	LTGN	3522073C1
E3*	A92#117	18	TN	3522073C1
E3*	A92RD	16	TN	3522073C1
E4	A104A	18	DKBL	3522073C1
E5*	A103AA	18	LTGN	3522073C1
E5*	A12BC	18	LTBL	3522073C1
E6	A82H	18	GY	3522073C1
E7	A82F	18	GY	3522073C1
E8*	A92D	18	TN	3522073C1
E8*	A92YE	18	TN	3522073C1
E8*	A47TC	18	GY	3522073C1
E9	A59J	18	GY	3522073C1
E10*	A68C	18	BN	3522073C1
E10*	A59S	18	GY	3522073C1
E11*	A72E	18	OR	3522073C1
E11*	A12LC	18	PK	3522073C1
E12	A59D	18	GY	3522073C1
E13	A59G	18	GY	3522073C1
E14	A96R	18	YL	3522073C1
E15*	A57C	18	OR	3522073C1
E15*	A59T	18	GY	3522073C1
E16*	A104L	18	DKBL	3522073C1
E16*	A92AA	18	TN	3522073C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
F1	A44	18	GY	3522073C1
F1	A44	16	GY	3522073C1
F2	A59P	18	GY	3522073C1
F3	A59Q	18	GY	3522073C1
F4	A59H	18	GY	3522073C1
F5	A59K	18	GY	3522073C1
F6*	A59M	18	GY	3522073C1
F6*	A14LA	18	RD	3522073C1
F7*	A59N	18	GY	3522073C1
F7*	A14LB	18	RD	3522073C1
F7*	A103K	18	LTGN	3522073C1
F8	A59E	18	GY	3522073C1
F9	A96L	18	YL	3522073C1
F10	A59C	18	GY	3522073C1
F11	A37	18	TN	3522073C1
F12	A77S	18	LTGN	3522073C1
F13*	A56C	18	OR	3522073C1
F13*	A59W	18	GY	3522073C1
F14*	A54C	18	BN	3522073C1
F14*	A59V	18	GY	3522073C1
F14*	A58	18	BN	3522073C1
F15*	A70D	18	OR	3522073C1
F15*	A70CA	18	OR	3522073C1
F15*	A70C	18	OR	3522073C1
F15*	A70T	18	RD	3522073C1
F16*	A77P	18	LTGN	3522073C1
F16*	A90J	18	GY	3522073C1

* MUTUALLY EXCLUSIVE

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
CNA1	30SEP10	ADDED CIRC A47TC, A58C		68076W	310615	CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
		A70T, A90J, A103K.			RELEASE NO. 61229V	DATE 09JUN09 PART NO. AE08058187 SHEET 032

Figure 268 Connector Composites (1601)

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13.36. CONNECTOR COMPOSITES (1602), P. 33

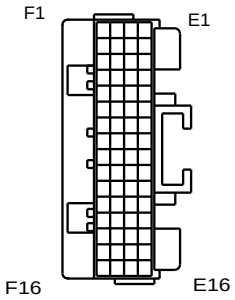
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ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

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



CONNECTOR 3598705C1
BODY LOCK1 1618846C1
BODY LOCK2 1618847C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
E1*	A3B(-)	18	GY	3522073C1
E1*	A3A(-)	18	GY	3522073C1
E2*	A3B(+)	18	DKBL	3522073C1
E2*	A3A(+)	18	DKBL	3522073C1
E3	A9Z	18	GY	3522073C1
E4	A6	18	GY	3522073C1
E5	A9AA	18	GY	3522073C1
E6*	A6A	20	GY	3534303C1
E6*	A6A	18	GY	3522073C1
E7	A9B	18	GY	3522073C1
E8*	A6H	18	GY	3522073C1
E8*	A6A	18	GY	3522073C1
E9	-	-	-	-
E10	-	-	-	-
E11	A52C	20	YL	3534303C1
E12	A59B	18	GY	3522073C1
E13	-	-	-	-
E14*	A70	20	RD	3534303C1
E14*	A90F	18	GY	3522073C1
E15	A70A	20	RD	3534303C1
E16	A11-GAC	18	WH	3522073C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
F1	-	-	-	-
F2*	A5(-)	18	GN	3522073C1
F2*	A4(-)	18	GN	3522073C1
F3*	A5(+)	18	YL	3522073C1
F3*	A4(+)	18	YL	3522073C1
F4	-	-	-	-
F5	A5EB(-)	18	GN	3522073C1
F6	A5EB(+)	18	YL	3522073C1
F7	-	-	-	-
F8	A85C	18	GY	3522073C1
F9	-	-	-	-
F10*	A70ER	18	RD	3522073C1
F10*	A71D	18	OR	3522073C1
F11*	A93	18	TN	3522073C1
F11*	A104CB	18	DKBL	3522073C1
F11*	A116LB	18	GY	3522073C1
F12	A103B	18	LTGN	3522073C1
F13*	A89CC	18	PL	3522073C1
F13*	A19B	16	GY	3522073C1
F13*	A23A	16	TN	3522073C1
F14	A103A	18	LTGN	3522073C1
F15	A104D	18	DKBL	3522073C1
F16*	A44D	18	GY	3522073C1
F16*	A116UB	18	GY	3522073C1

* MUTUALLY EXCLUSIVE

CHK	DATE	CHANGE	REV	REFERENCE
DLV1	28APR10	ADDED CIRC A6A;RVSD	B	62476L
	A4(-)&A4(+),	TITLE.		

DRAWN 310615
RELEASE NO. 61229V
NAME CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
DATE 09JUN09
PART NO. AE08058187
SHEET 033

Figure 269 Connector Composites (1602)

https://truckmanualshub.com/

13.37. CONNECTOR COMPOSITES (1603), (1604), (1620), (1623), P. 34

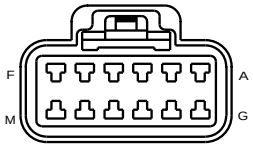
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ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

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



CONNECTOR 3598711C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A	A57A	16	OR	3544876C1
B	A56A	16	OR	3544876C1
C	A77A	16	LTGN	3544876C1
D	A56C	16	OR	3544876C1
E	A85E	16	GY	3544876C1
F	A64A	16	YL	3544876C1
G*	A65	16	OR	3544876C1
G*	A65A	16	OR	3544876C1
H*	A78A	16	LTGN	3544876C1
H*	A78AA	16	LTGN	3544876C1
J	A112	16	GY	3544876C1
K	A64B	16	YL	3544876C1
L*	A78B	16	LTGN	3544876C1
L*	A78BA	16	LTGN	3544876C1
M	A57C	16	OR	3544876C1

* MUTUALLY EXCLUSIVE

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

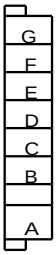


CONNECTOR 3598710C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A	A82	16	GY	3544876C1
B*	A53AA	14	YL	3544877C1
B*	A53PB	14	YL	3544877C1
B*	A53	14	YL	3544877C1
C*	A52AA	14	YL	3544877C1
C*	A52PC	14	YL	3544877C1
C*	A52	14	YL	3544877C1
D	-	-	-	-
E	A11-GB	12	WH	3544877C1
F*	A68A	16	BN	3544876C1
F*	A68	16	BN	3544876C1
G	A58	16	BN	3544876C1
H*	A53B	14	YL	3544877C1
H*	A53PA	14	YL	3544877C1
J	A63A	18	DKBL	3544876C1
K*	A52D	14	YL	3544877C1
K*	A52PD	14	YL	3544877C1

* MUTUALLY EXCLUSIVE

ZERO VOLT REFERENCE (1620)
(LOCATED IN INSTRUMENT PANEL CENTER)

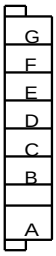


CONNECTOR 2006789C1
BODY LOCK 2006792C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A	A9Z	18	GY	1661208C1
B*	A9A	18	GY	1661208C1
B*	A9C	18	GY	1661208C1
C	A9W	18	GY	1661208C1
D	A75ZVR	18	GY	1661208C1
E	A9M	18	GY	1661208C1
F	A9ZVR	18	GY	1661208C1
G*	A9/104	18	GY	1661208C1
G*	A116UV	18	GY	1661208C1

* MUTUALLY EXCLUSIVE

BASE 1 ADAPTER (1623)
(LOCATED IN INSTRUMENT PANEL CENTER)



CONNECTOR 2006789C1
BODY LOCK 2006792C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A	A58	16	BN	1661208C1
B	A54D	18	BN	1661208C1
C	A58DA	18	BN	1661208C1
D	A58DB	18	BN	1661208C1
E	A58T	18	BN	1661208C1
F	A54B	16	BN	1661208C1
G	-	-	-	-

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
DLV1	28APR10	REVISED 1603,1604	B	62476L	310615	CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
		TITLES;ADDED A65A & A9A.			RELEASE NO. 61229V	DATE 09JUN09

PART NO. AE08058187 SHEET 034

Figure 270 Connector Composites (1603), (1604), (1620), (1623)

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13.38. CONNECTOR COMPOSITES (1625), (1626), (1650), (1657), (1657M), P. 35

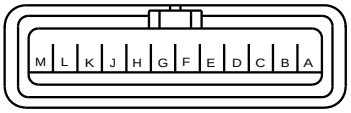
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ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

REAR TURNS PANEL ADAPTER (1625)
(LOCATED IN INSTRUMENT PANEL CENTER)



CONNECTOR 3543733C1
BODY LOCK 3543732C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	A57C	16	OR	3535303C1	3535424C1
B	A57	16	OR	3535303C1	3535424C1
C	A57BB	16	LTGN	3535303C1	3535424C1
D	A57K	16	OR	3535303C1	3535424C1
E	A56C	16	OR	3535303C1	3535424C1
F	A56	16	OR	3535303C1	3535424C1
G	A56BB	16	YL	3535303C1	3535424C1
H	A56K	16	OR	3535303C1	3535424C1
J	A62	18	DKBL	3535303C1	3535424C1
K	A62DA	18	DKBL	3535303C1	3535424C1
L	A62DB	18	DKBL	3535303C1	3535424C1
M	A62E	18	DKBL	3535303C1	3535424C1

J1939 PRIVATE TERMINATING RESISTOR (1626)
(LOCATED IN INSTRUMENT PANEL CENTER)



CONNECTOR 1667741C1
BODY LOCK 1667771C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	A5ET(+)	18	YL	1661875C1	3568570C1
B	PLUG	-	-	3568570C1	-
C	A5ET(-)	18	GN	1661875C1	3568570C1

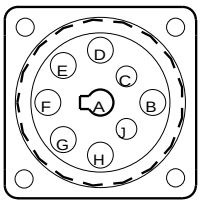
J1939 TERMINATING RESISTOR (1657)
(LOCATED IN INSTRUMENT PANEL CENTER)



CONNECTOR 1667741C1
BODY LOCK 1667771C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	A5LI(+)	18	YL	1661875C1	3568570C1
B	PLUG	-	-	2025431C1	-
C	A5LI(-)	18	GN	1661875C1	3568570C1

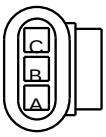
DIAGNOSTIC CONNECTOR (1650)
(LOCATED UNDER INSTRUMENT PANEL
LEFT OF STEERING COLUMN)



CONNECTOR 3544066C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A	A98-G	18	WH	1651968C1
B	A98H	18	BK	1651968C1
C	A5B(+)	18	YL	1651968C1
D	A5B(-)	18	GN	1651968C1
E	PLUG	-	-	2025431C1
F	A3CC(+)	18	DKBL	1651968C1
G	A3CC(-)	18	GY	1651968C1
H	A98A(+)	18	YL	1651968C1
J	A98A(-)	18	GN	1651968C1

J1939 TERMINATING RESISTOR (1657M)
(LOCATED IN INSTRUMENT PANEL CENTER)



CONNECTOR 1667741C1
BODY LOCK 1667771C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	A1(+)	18	YL	1661875C1	3568570C1
B	PLUG	-	-	2025431C1	-
C	A1(-)	18	GN	1661875C1	3568570C1

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
DLV1	28APR10	UPDATED TERMINAL FONT	B	62476L	310615	CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
	SIZE FOR R/D 1626.				RELEASE NO. 61229V	DATE 09JUN09

PART NO. AE08058187 SHEET 035

Figure 271 Connector Composites (1625), (1626), (1650), (1657), (1657M)

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13.39. CONNECTOR COMPOSITES (1660), (1661), P. 36

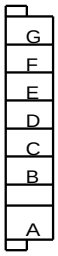
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ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

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

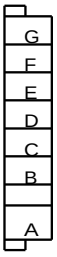


CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A	A3BB(+)	18	DKBL	1661208C1
B	A3AC(+)	18	DKBL	1661208C1
C*	A98VE+	16	BK	1661208C1
C*	A3C(+)	18	DKBL	1661208C1
D	A3CE(+)	18	DKBL	1661208C1
E*	A3AB(+)	18	DKBL	1661208C1
E*	A3BD(+)	18	DKBL	1661208C1
F*	A3BE(+)	18	DKBL	1661208C1
F*	A3H(+)	18	DKBL	1661208C1
F*	A3D(+)	20	DKBL	1661208C1
G	A3BA(+)	18	DKBL	1661208C1

CONNECTOR 2006789C1
BODY LOCK 2006792C1

* MUTUALLY EXCLUSIVE

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



CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A	A3BB(-)	18	GY	1661208C1
B	A3AC(-)	18	GY	1661208C1
C*	A98VE-	16	BK	1661208C1
C*	A3C(-)	18	GY	1661208C1
D	A3CE(-)	18	GY	1661208C1
E*	A3AB(-)	18	GY	1661208C1
E*	A3BD(-)	18	GY	1661208C1
F*	A3BE(-)	18	GY	1661208C1
F*	A3H(-)	18	GY	1661208C1
F*	A3D(-)	20	GY	1661208C1
G	A3BA(-)	18	GY	1661208C1

CONNECTOR 2006789C1
BODY LOCK 2006792C1

* MUTUALLY EXCLUSIVE

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
DLV1	28APR10	ADDED A3D(+) AND	B	62476L	310615	CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
	A3D(-) TO 1660 AND 1661.				RELEASE NO. 61229V	DATE 09JUN09

PART NO. AE08058187 SHEET 036

Figure 272 Connector Composites (1660), (1661)

https://truckmanualshub.com/

13.40. CONNECTOR COMPOSITE (1700), P. 37

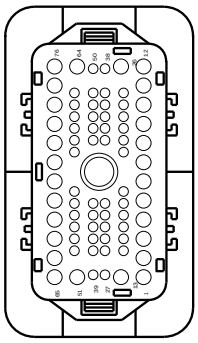
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ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

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



* W/ BENDIX AIR ABS
% W/ WABCO AIR ABS
W/ WABCO HYD ABS
@ MUTUALLY EXCLUSIVE
W/ AUTO APPLY PARK BRAKES
& W/ COMPRESSOR / TANK FOR HYD CHASSIS
&& EATON VORAD
*# W/ TELEMATICS
@@ W/ PRE-WIRE & ACC FEED WIRING

CONNECTOR 3595624C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	M52	14	YL	3549416C1
2	M53	14	YL	3549416C1
3	M52D	14	YL	3549416C1
4	M53B	14	YL	3549416C1
5	M54B	14	BN	3549416C1
6	M19A	16	GY	3549416C1
7	M19B	16	GY	3549416C1
8	M53E	14	YL	3549416C1
9	M53F	14	YL	3549416C1
10	M52B	14	YL	3549416C1
11	M52E	14	YL	3549416C1
12@	M103C	12	LTGN	3549415C1
12@	M14LP	10	RD	3549415C1
12@	M14WB	12	RD	3549415C1
13@	M12BD	12	LTBL	3549415C1
13@	M103D	12	LTGN	3549415C1
14	M56B	16	OR	3549417C1
15	M57B	16	OR	3549417C1
16	M41	18	GY	3549418C1
17	M87C	18	GY	3549418C1
18	M9BB	18	GY	3549418C1
19@	M87KA	16	GY	3549417C1
19@	M61	18	GY	3549418C1
20@	M87BA	18	GY	3549418C1
20@	M106A	18	GY	3549418C1
21	M85E	16	GY	3549417C1
22	M64A	16	YL	3549417C1
23	M64B	16	YL	3549417C1
24@	M67C	16	VT	3549417C1
24@	M67AA	18	PK	3549418C1
25	M110AD	18	GY	3549418C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
26	M67D	16	VT	3549416C1
27&	M9A	18	GY	3549418C1
27*	M94	18	GY	3549418C1
27%	M94AB	14	BN	3549417C1
28*	M94A	18	GY	3549418C1
28%	M94AA	14	GN	3549417C1
28&	M6A	18	GY	3549418C1
29*	M94B	18	GY	3549418C1
29%	M94AL	14	BL	3549417C1
29&	M40	18	GY	3549418C1
30#	M94L+	18	BK	3549418C1
30*	M94C	18	GY	3549418C1
30%	M94AC	18	BN	3549418C1
31*	M94D	18	GY	3549418C1
31%	M94AD	18	BK	3549418C1
31#	M94L-	18	BN	3549418C1
32*	M94E	18	GY	3549418C1
32%	M94AE	18	BN	3549418C1
32#	M90H	16	GY	3549417C1
33%	M94AF	18	BK	3549418C1
33#	M90B	18	GY	3549418C1
33*	M94F	18	GY	3549418C1
34*	M94H	18	GY	3549418C1
34%	M94AK	14	BN	3549417C1
34#	M94BF	18	GY	3549418C1
35*	M94J	18	GY	3549418C1
35%	M94AJ	14	GN	3549417C1
35#	M94R+	18	BK	3549418C1
36*	M94K	18	GY	3549418C1
36%	M94AH	14	BL	3549417C1
36#	M94R-	18	BN	3549418C1

CHART CONTINUED ON SHEET 38

CHK	DATE	CHANGE	REV	REFERENCE
DLV1	28APR10	RMVD **;ADDED:&&,*#,	B	62476L
	@@ DESIGNATORS;RVSD CHARTS.			

DRAWN 310615
RELEASE NO. 61229V
NAME CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
DATE 09JUN09
PART NO. AE08058187
SHEET 037

Figure 273 Connector Composite (1700)

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13.41. CONNECTOR COMPOSITE (1700), P. 38

NAVISTAR, INC

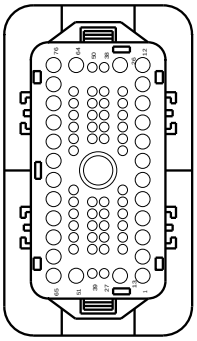
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ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

CHART CONTINUED ON SHEET 37

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



CONNECTOR 3595624C1

* W/ BENDIX AIR ABS
% W/ WABCO AIR ABS
W/ WABCO HYD ABS
@ MUTUALLY EXCLUSIVE
W/ AUTO APPLY PARK BRAKES
& W/ COMPRESSOR / TANK FOR HYD CHASSIS
&& EATON VORAD
*# W/ TELEMATICS
@@ W/ PRE-WIRE AND ACC FEED WIRING

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
37@	M67A	16	VT	3549417C1
37@	M2(+)	18	YL	3549418C1
38#	M10-GV	16	WH	3549417C1
38@	M67B	16	VT	3549417C1
38@	M2(-)	18	GN	3549418C1
39@	M73R	16	LTGN	3549417C1
39@	M67B	16	GY	3549417C1
40@	M73M	16	LTGN	3549417C1
40@	M67C	16	GY	3549417C1
41@	M73AF	16	LTGN	3549417C1
41@	M67D	16	GY	3549417C1
42	M94SBB	16	GY	3549417C1
43	M104CC	18	DKBL	3549418C1
44	M104CB	18	DKBL	3549418C1
45	M89CE	18	PL	3549418C1
45&&	M67-GA	18	WH	3549418C1
46	M89AR	18	PK	3549418C1
46&&	M67AB	16	PK	3549417C1
47	M44Y	16	GY	3549417C1
47##	M44J	18	GY	3549418C1
48@	M92#103	18	TN	3549418C1
48@	M77	18	BK	3549418C1
49@	M92#101	18	TN	3549418C1
49@	M77A	18	BK	3549418C1
50	M94SAB	16	GY	3549417C1
51	M94SDB	16	GY	3549416C1
52*#	M6VDC	18	GY	3549418C1
52@@	MTEM1	16	GY	3549417C1
53*#	M9VA	18	GY	3549418C1
53@@	MTEM2	16	GY	3549417C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
54*#	MA1	18	GY	3549418C1
54@@	MTEM3	16	GY	3549417C1
55*#	MA2	18	GY	3549418C1
55@@	MTEM4	16	GY	3549417C1
56*#	MA3	18	GY	3549418C1
56@@	MTEM5	16	GY	3549417C1
57*#	MA4	18	GY	3549418C1
57@@	MTEM6	16	GY	3549417C1
58*#	MA5	18	GY	3549418C1
58@@	MTEM7	16	GY	3549417C1
59*#	M11-GM	18	GY	3549418C1
59@@	MTEM8	16	GY	3549417C1
60	M94SCB	16	GY	3549417C1
61	M44L	18	GY	3549418C1
62	PLUG	-	-	3598921C1
63	M78BC	16	LTGN	3549417C1
64	M78AC	16	LTGN	3549416C1
65	M103M	12	LTGN	3549415C1
66	M103N	12	LTGN	3549415C1
67	M103P	12	LTGN	3549415C1
68	PLUG	-	-	3598921C1
69	M94SJ	16	GY	3549416C1
70	M94SK	16	GY	3549416C1
71	M94SM	16	GY	3549416C1
72	M94SN	16	GY	3549416C1
73	M94SL	16	GY	3549416C1
74	M94SZC	16	GY	3549416C1
75	M94SVC	16	GY	3549416C1
76	M94SH	16	GY	3549416C1

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
DLV1	28APR10	REMOVED **;REVISED	B	62476L	310615	CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
	CHART.				RELEASE NO. 61229V	DATE 09JUN09 PART NO. AE08058187 SHEET 038

Figure 274 Connector Composite (1700)

https://truckmanualshub.com/

13.42. CONNECTOR COMPOSITE (1700), P. 39

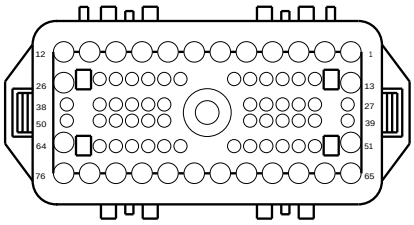
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ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

IP / FORWARD CHASSIS (1700)
(LOCATED ON FRONT LEFT DASH PANEL (UPPER))



CONNECTOR 3595625C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	A52	14	YL	3574288C1
2	A53	14	YL	3574288C1
3	A52D	14	YL	3574288C1
4	A53B	14	YL	3574288C1
5	A54B	16	BN	3574288C1
6	A19A	16	GY	3574288C1
7	A19B	16	GY	3574288C1
8	A53E	14	YL	3574288C1
9	A53F	14	YL	3574288C1
10	A52B	14	YL	3574288C1
11	A52E	14	YL	3574288C1
12@	A103C	10	LTGN	3574287C1
12@	A14LP	10	RD	3574287C1
12@	A14WB	12	RD	3574287C1
13@	A103D	12	LTGN	3574287C1
13@	A12BD	12	LTBL	3574287C1
14	A56B	16	OR	3574285C1
15	A57B	16	OR	3574285C1
16	A41	18	GY	2003343C1
17	A87C	18	GY	2003343C1
18	A9BB	18	GY	2003343C1
19@	A87KA	18	GY	2003343C1
19@	A61	18	GY	2003343C1
20@	A87BA	18	GY	2003343C1
20@	A106A	18	GY	2003343C1
21	A85E	16	GY	3574285C1
22	A64A	16	YL	3574285C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
23	A64B	16	YL	3574285C1
24@	A67C	16	LTBL	3574285C1
24@	A67AA	18	PK	2003343C1
25	A110AD	18	GY	2003343C1
26	A67D	16	LTBL	3574288C1
27	A9A	18	GY	2003343C1
27%	A94AB	18	GY	2003343C1
27#	A94	16	GY	3574285C1
28	A6A	18	GY	2003343C1
28%	A94AA	16	GY	3574285C1
28#	A94A	16	GY	3574285C1
29	A40	18	GY	2003343C1
29%	A94AL	18	GY	2003343C1
29#	A94B	16	GY	3574285C1
30**	A94L(+)	18	GY	2003343C1
30%	A94AC	18	GY	2003343C1
30#	A94C	16	GY	3574285C1
31**	A94L(-)	18	GY	2003343C1
31%	A94AD	18	GY	2003343C1
31#	A94D	16	GY	3574285C1
32**	A90H	18	GY	2003343C1
32%	A94AE	18	GY	2003343C1
32#	A94E	16	GY	3574285C1
33**	A90B	18	GY	2003343C1
33%	A94AF	18	GY	2003343C1
33#	A94F	16	GY	3574285C1
34**	A94BF	18	GY	2003343C1
34%	A94AK	18	GY	2003343C1
34#	A94H	16	GY	3574285C1
35**	A94R(+)	18	GY	2003343C1
35%	A94AJ	16	GY	3574285C1
35#	A94J	16	GY	3574285C1

** W/ WABCO FULL POWER ABS
W/ BENDIX AIR
* W/ EATON HYBRID XMSN
& W/ VORAD COLLISION AVOIDANCE SYSTEM
% W/ WABCO AIR ABS
W/ ALLISON XMSN
@ MUTUALLY EXCLUSIVE
&& W/ EATON VORAD VS-400
@@ W/ T-HANDLE
%% W/ BODY BUILDER PRE-WIRING
*# W/ TELEMATICS BODY BUILDER

CHART CONTINUED ON SHEET 40

CHK	DATE	CHANGE	REV	REFERENCE
DLV1	28APR10	ADDED @ TO CAV 24;	B	62476L
		A94B WAS TN.		

DRAWN 310615
RELEASE NO. 61229V
NAME CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
DATE 09JUN09
PART NO. AE08058187
SHEET 039

Figure 275 Connector Composite (1700)

https://truckmanualshub.com/

13.43. CONNECTOR COMPOSITE (1700), P. 40

NAVISTAR, INC

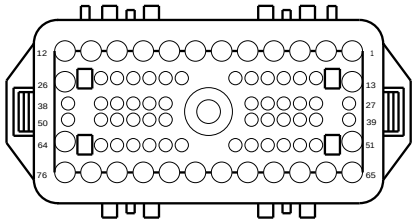
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ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

CHART CONTINUED FROM SHEET 39

IP / FORWARD CHASSIS (1700)
(LOCATED ON FRONT LEFT DASH PANEL (UPPER))



CONNECTOR 3595625C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
36**	A94R(-)	18	GY	2003343C1
36#	A94K	16	GY	3574285C1
36%	A94AH	18	GY	2003343C1
37&	A67A	16	LTBL	3574285C1
37%	A3(+)	18	YL	2003343C1
38	A3(-)	18	GN	2003343C1
38&	A67B	16	LTBL	3574285C1
38**	A10-GV	18	WH	2003343C1
39&	A73R	16	LTBL	3574285C1
39&&	A67B	18	GY	2003343C1
40&	A73M	16	LTBL	3574285C1
40&&	A67C	18	GY	2003343C1
41&	A73AF	16	LTBL	3574285C1
41&&	A67D	18	GY	2003343C1
42	A94SBB	18	GY	2003343C1
43##	A104CC	18	DKBL	2003343C1
43*	A9/104	18	GY	2003343C1
44	A104CB	18	DKBL	2003343C1
45@@	A89CE	18	PL	2003343C1
45&&	A67-GA	18	WH	2003343C1
46@@	A89AR	18	PL	2003343C1
46&&	A67AB	18	PK	2003343C1
47	A44Y	16	GY	3574285C1
48@@	A92B103	18	TN	2003343C1
48@	A92#103	18	TN	2003343C1
48@	A77P	18	LTGN	2003343C1
49@	A92#101	18	TN	2003343C1
49@	A77S	18	LTGN	2003343C1
50	A94SAB	18	GY	2003343C1
51	A94SDB	18	GY	3574289C1
52*#	A6VDC	18	GY	2003343C1
52%%	ATEM1	16	GY	3574285C1
53*#	A9VA	18	GY	2003343C1
53%%	ATEM2	16	GY	3574285C1
54*#	AA1	18	GY	2003343C1
54%%	ATEM3	16	GY	3574285C1
55*#	AA2	18	GY	2003343C1
55%%	ATEM4	16	GY	3574285C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
56*#	AA3	18	GY	2003343C1
56%%	ATEM5	16	GY	3574285C1
57*#	AA4	18	GY	2003343C1
57%%	ATEM6	16	GY	3574285C1
58*#	AA5	18	GY	2003343C1
58%%	ATEM7	16	GY	3574285C1
59*#	A11-GM	18	WH	2003343C1
59%%	ATEM8	16	GY	3574285C1
60	A94SCB	18	GY	2003343C1
61	A44L	18	GY	2003343C1
62	A44J	18	GY	2003343C1
63@	A78BC	16	LTGN	3574285C1
63@	A78BD	16	LTGN	3574285C1
64@	A78AC	16	LTGN	3574288C1
64@	A78AD	16	LTGN	3574288C1
65	-	-	-	-
66	-	-	-	-
67	-	-	-	-
68	-	-	-	-
69	A94SJ	16	GY	3574288C1
70	A94SK	16	GY	3574288C1
71	A94SM	16	GY	3574288C1
72	A94SN	16	GY	3574288C1
73	A94SL	16	GY	3574288C1
74	A94SZC	16	GY	3574288C1
75	A94SVC	16	GY	3574288C1
76	A94SH	16	GY	3574288C1

** W/ WABCO FULL POWER ABS
W/ BENDIX AIR
* W/ EATON HYBRID XMSN
& W/ VORAD COLLISION AVOIDANCE SYSTEM
% W/ WABCO AIR ABS
W/ ALLISON XMSN
@ MUTUALLY EXCLUSIVE
&& W/ EATON VORAD VS-400
@@ W/ T-HANDLE
%% W/ BODY BUILDER PRE-WIRING
*# W/ TELEMATICS BODY BUILDER

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
DLV1	28APR10	REVISED TITLE,CAV 48,	B	62476L	310615	CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
		CAV 49;ADDED A77P,A77S.			RELEASE NO. 61229V	DATE 09JUN09 PART NO. AE08058187 SHEET 040

Figure 276 Connector Composite (1700)

https://truckmanualshub.com/

13.44. CONNECTOR COMPOSITE (1701), P. 41

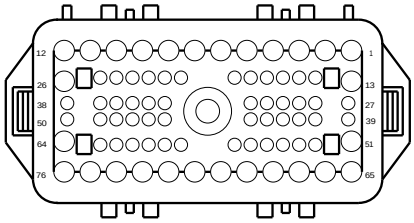
NAVISTAR, INC

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ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

IP / CENTER CHASSIS
(1701)
(LOCATED ON FRONT LEFT DASH PANEL (LOWER))



CONNECTOR 3595623C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	A71A	16	OR	3574288C1
2	A56	16	OR	3574288C1
3	A57	16	OR	3574288C1
4	A68	16	BN	3574288C1
5	A56T	12	YL	3574287C1
6	A57T	12	LTGN	3574287C1
7	A54T	12	BN	3574287C1
8	A68T	12	BN	3574287C1
9	A70T	10	RD	3574287C1
10@	A94T	10	GY	3574287C1
10@	A94T	10	DKBL	3574287C1
11@	A72	12	OR	3574287C1
11@	A72V	12	DKBL	3574287C1
12	A56BB	16	YL	3574288C1
13	A9	18	GY	3574289C1
14#	A94L(+)	18	GY	2003343C1
14**	A94WL	18	GY	2003343C1
14*	A94BM	16	GY	3574285C1
15#	A94L(-)	18	GY	2003343C1
15**	A94WM	18	GY	2003343C1
15*	A94BN	16	GY	3574285C1
16**	A94WW	18	GY	2003343C1
16#	A94R(+)	18	GY	2003343C1
16*	A94BE	16	GY	3574285C1
17**	A94WU	18	GY	2003343C1
17#	A94R(-)	18	GY	2003343C1
17*	A94BD	16	GY	3574285C1
18#	A3C(-)	18	GY	2003343C1
18**	A94WN	18	GY	2003343C1
18*	A94BH	16	GY	3574285C1
19#	A3C(+)	18	DKBL	2003343C1
19**	A94WR	18	GY	2003343C1
19*	A94BF	16	GY	3574285C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
20#	A90F	18	GY	2003343C1
20**	A94WX	18	GY	2003343C1
20*	A94BL	16	GY	3574285C1
21#	A44A	18	GY	2003343C1
21**	A94WZ	18	GY	2003343C1
21*	A94BJ	16	GY	3574285C1
22**	A94WS	18	GY	2003343C1
22#	A90B	18	GY	2003343C1
22*	A94BK	16	GY	3574285C1
23**	A94WT	18	GY	2003343C1
23#	A90H	18	GY	2003343C1
23*	A94BA	16	GY	3574285C1
24#	A90E	18	GY	2003343C1
24**	A94-G7	16	WH	3574285C1
24*	A94BB	16	GY	3574285C1
25#	A10-GV	18	WH	2003343C1
25*	A94BC	16	GY	3574285C1
25**	A94-G6	16	WH	3574285C1
26@	A94L	12	GY	3574287C1
26@	A94TA	12	YL	3574287C1
27	A36A	18	TN	2003343C1
28	A57J	16	OR	3574285C1
29	A36B	18	TN	2003343C1
30	A56J	16	OR	3574285C1
31@	A39	16	GY	3574285C1
31@	A39B	16	GY	3574285C1
32	A59B	18	GY	2003343C1
33	A59C	18	GY	2003343C1
34	A59D	18	GY	2003343C1
35	A59E	18	GY	2003343C1
36	A59G	18	GY	2003343C1
37	A59H	18	GY	2003343C1
38	A59J	18	GY	2003343C1
39	A59K	18	GY	2003343C1
40	A39A	16	GY	3574285C1

* W/ BENDIX ABS
** W/ WABCO AIR ABS
W/ WABCO FULL POWER ABS
W/ 3 LIFT AXLE CONTROLS
% W/ EATON HYBRID XMSN
& W/ WASHER CTR CHAS
@ MUTUALLY EXCLUSIVE

CHART CONTINUED ON SHEET 42

CHK	DATE	CHANGE	REV	REFERENCE
DLV1	28APR10	RVSD TITLE;ADDED A72V,	B	62476L
		A94TA;RMVD:A59RB,A59MB.		

DRAWN 310615
NAME CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
RELEASE NO. 61229V
DATE 09JUN09
PART NO. AE08058187
SHEET 041

Figure 277 Connector Composite (1701)

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13.45. CONNECTOR COMPOSITE (1701), P. 42

NAVISTAR, INC

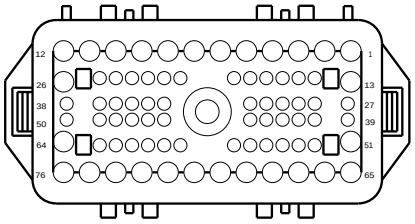
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ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

CHART CONTINUED FROM SHEET 41

IP / CENTER CHASSIS (1701)
(LOCATED ON FRONT LEFT DASH PANEL (LOWER))



CONNECTOR 3595623C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
41@	A87EA	18	GY	2003343C1
41@	A44Z	18	GY	2003343C1
42	A56BC	16	YL	3574285C1
43@	A104CA	16	DKBL	3574285C1
43@	A32A	18	TN	2003343C1
43%@	A98B(+)	18	YL	2003343C1
44@	A59CA	16	GY	3574285C1
44@	A32	18	TN	2003343C1
44%@	A98B(-)	18	GN	2003343C1
45	A49A	18	GY	2003343C1
46@	A94SL	18	GY	2003343C1
46@	A59M	18	GY	2003343C1
46%@	A92HB	18	TN	2003343C1
47@	A94SM	18	GY	2003343C1
47@	A59N	18	GY	2003343C1
47%@	A92HE	18	TN	2003343C1
47@	A59RB	18	GY	2003343C1
48@	A94SN	18	GY	2003343C1
48@	A59P	18	GY	2003343C1
48%@	A92HG	14	TN	3574285C1
49@	A94SJ	18	GY	2003343C1
49@	A59O	18	GY	2003343C1
49%@	A92HH	14	TN	3574285C1
50	A49	18	GY	2003343C1
51	A20	16	LTGN	3574288C1
52	A5E(+)	18	YL	2003343C1
53	A5E(-)	18	GN	2003343C1
54@	A59S	18	GY	2003343C1
54@	A94SA	18	GY	2003343C1
55@	A94SC	18	GY	2003343C1
55@	A59T	18	GY	2003343C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
55@	A61B	18	GY	2003343C1
56@	A94SB	18	GY	2003343C1
56##@	A106B	18	GY	2003343C1
56@	A59V	18	GY	2003343C1
57@	A94SD	18	GY	2003343C1
57##@	A110B	18	GY	2003343C1
57@	A59W	18	GY	2003343C1
58@	A87DB	18	GY	2003343C1
58@	A44D	18	GY	2003343C1
59@	A87MB	18	GY	2003343C1
59@	A44N	18	GY	2003343C1
60@	A116M	18	GY	2003343C1
60@	A94SZC	18	GY	2003343C1
60@	A90-K	18	GY	2003343C1
60@	A90-D	16	GY	3574285C1
60%	A92HA	18	TN	2003343C1
60##	A59MB	18	GY	2003343C1
61@	A94SVC	18	GY	2003343C1
61@	A5A(-)	18	GN	2003343C1
61@	A59NB	18	GY	2003343C1
62@	A94SH	18	GY	2003343C1
62@	A5A(+)	18	YL	2003343C1
62##@	A59PB	18	GY	2003343C1
63	A57BB	16	LTGN	3574285C1
64	A57BC	16	LTGN	3574288C1
65	A42	16	GY	3574288C1
66@	A92HJ	12	TN	3574287C1
66@	A116U	18	GY	3574289C1
66@	A112	16	GY	3574288C1
67@	A19	16	GY	3574288C1
67@	A92HD	12	TN	3574287C1
68	A65	16	OR	3574288C1
69@	A44	16	GY	3574288C1
69@	A116L	18	GY	3574289C1
69@	A94SK	18	GY	3574289C1
70@	A71N	16	OR	3574288C1
70%@	A92HC	12	TN	3574287C1
71	A68BB	14	BN	3574288C1
72	A70BB	14	RD	3574288C1
73	A71BB	16	LTBL	3574288C1
74	A54BB	16	BN	3574288C1
75	A12BB	16	LTBL	3574288C1
76%%	A37D	16	TN	3574288C1
76&&	A92AB	16	TN	3574288C1

* W/ BENDIX ABS
** W/ WABCO AIR ABS
W/ WABCO FULL POWER ABS
W/ 3 LIFT AXLE CONTROLS
% W/ EATON HYBRID XMSN
& WASHER CTR CHAS
@ MUTUALLY EXCLUSIVE
%% W/ SINGLE FUEL TANK
&& W/ DUAL FUEL TANK

CHK	DATE	CHANGE	REV	REFERENCE
DLV1	28APR10	ADDED:47@,60##,60%,	B	62476L
		76&&,67@;RMVD 65;RVSD 41@,61@.		

DRAWN 310615
NAME CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
RELEASE NO. 61229V
DATE 09JUN09
PART NO. AE08058187
SHEET 042

Figure 278 Connector Composite (1701)

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13.46. CONNECTOR COMPOSITE (1701F), P. 43

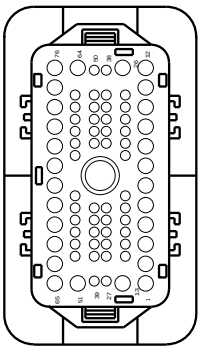
NAVISTAR, INC

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ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

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



CONNECTOR 3595622C1

CAV	CIRC	GAUGE	COLOR	TERMINAL
1	N71A	14	OR	3549416C1
2	N56	14	OR	3549416C1
3	N57	14	OR	3549416C1
4	N68	14	BN	3549416C1
5@	N56T	10	YL	3549415C1
5@	N56D	10	YL	3549415C1
6@	N57T	10	LTGN	3549415C1
6@	N57D	10	LTGN	3549415C1
7@	N54T	10	BN	3549415C1
7@	N54D	10	BK	3549415C1
8@	N68T	10	BN	3549415C1
8@	N68D	10	BN	3549415C1
9@	N70T	10	RD	3549415C1
9@	N70D	10	RD	3549415C1
10@	N94T	10	GY	3549415C1
10@	N94T	10	DKBL	3549415C1
11@	N72	12	OR	3549415C1
11@	N72	10	OR	3549415C1
11@	N72V	10	DKBL	3549415C1
12	N56BB	16	YL	3549416C1
13@	N9	16	GY	3549416C1
13@	N9A	16	GY	3549416C1
13@	N9G	16	GY	3549416C1
13@	N9B	16	GY	3549416C1
14#%	N94L(+)	18	GY	3549418C1
14*	N94BM	16	GY	3549417C1
14**	N94WL	16	GY	3549417C1

** W/ WABCO AIR ABS
W/ WABCO FULL POWER ABS
* W/ BENDIX AIR ABS
% W/ AIR ACTUATED
POWER PARK BRAKE
& W/ EATON HYBRID XMSN
@ MUTUALLY EXCLUSIVE

CAV	CIRC	GAUGE	COLOR	TERMINAL
15#%	N94L(-)	18	GY	3549418C1
15*	N94BN	16	GY	3549417C1
15**	N94WM	16	GY	3549417C1
16*	N94BE	16	GY	3549417C1
16#%	N94R(+)	18	GY	3549418C1
16**	N94WW	16	GY	3549417C1
17*	N94BD	16	GY	3549417C1
17#%	N94R(-)	18	GY	3549418C1
17**	N94WU	16	GY	3549417C1
18*	N94BH	16	GY	3549417C1
18#%	N3C(-)	18	GY	3549418C1
18**	N94WN	16	GY	3549417C1
19*	N94BF	16	GY	3549417C1
19#%	N3C(+)	18	DKBL	3549418C1
19**	N94WR	16	GY	3549417C1
20*	N94BL	16	GY	3549417C1
20#%	N90F	18	GY	3549418C1
20**	N94WX	18	GY	3549418C1
21*	N94BJ	16	GY	3549417C1
21#%	N44A	18	GY	3549418C1
21**	N94WZ	18	GY	3549418C1
22*	N94BK	16	GY	3549417C1
22#%	N90BA	18	GY	3549418C1
22@	N94WS	14	GY	3549417C1
23*	N94BA	16	GY	3549417C1
23#%	N90H	18	GY	3549418C1
23@	N94WT	14	GY	3549417C1
24#%	N90E	16	GY	3549417C1
24**	N94-G7	16	WH	3549417C1
24%	N90E	18	GY	3549418C1
24*	N94BB	16	GY	3549417C1
25%	N10-GV	18	WH	3549418C1
25**	N94-G6	16	WH	3549417C1
25*	N94BC	16	GY	3549417C1
25#%	N10-GV	16	WH	3549417C1
26@	N94L	12	GY	3549415C1
26@	N94TA	12	YL	3549415C1
27	N36A	18	TN	3549418C1
28	N57J	16	OR	3549417C1
29	N36B	18	TN	3549418C1
30	N56J	16	OR	3549417C1
31@	N39B	16	GY	3549417C1
31@	N39B	18	GY	3549418C1
32	N59B	18	GY	3549418C1
33	N59C	18	GY	3549418C1
34	N59D	18	GY	3549418C1
35	N59E	18	GY	3549418C1
36	N59G	18	GY	3549418C1
37	N59H	18	GY	3549418C1
38	N59J	18	GY	3549418C1
39	N59K	18	GY	3549418C1
40	N39A	18	GY	3549418C1

CHART CONTINUED ON SHEET 44

CHK	DATE	CHANGE	REV	REFERENCE
DLV1	28APR10	RVSD TITLE AND LAYOUT;	B	62476L
		ADDED % TO NECESSARY CAVS.		

DRAWN	NAME
310615	CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
RELEASE NO. 61229V	DATE 09JUN09
PART NO. AE08058187	SHEET 043

Figure 279 Connector Composite (1701F)

https://truckmanualshub.com/

13.47. CONNECTOR COMPOSITE (1701F), P. 44

NAVISTAR, INC

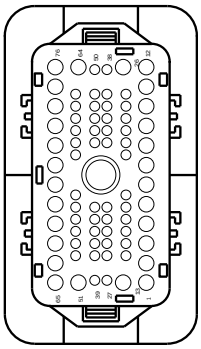
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ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

CHART CONTINUED FROM SHEET 43

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



CONNECTOR 3595622C1

CAV	CIRC	GAUGE	COLOR	TERMINAL
41@	N87EA	18	GY	3549418C1
41@	N44N	18	GY	3549418C1
42	N56BC	16	YL	3549417C1
43@	N32A	18	TN	3549418C1
43@	N104CA	16	DKBL	3549417C1
43&@	N98B(+)	18	YL	3549418C1
44@	N32	18	TN	3549418C1
44@	N59CA	16	GY	3549417C1
44&@	N98B(-)	18	GN	3549418C1
45	N49A	18	GY	3549418C1
46@	N59M	18	GY	3549418C1
46&@	N92HB	18	TN	3549418C1
46@	N94SL	18	GY	3549418C1
47@	N59N	18	GY	3549418C1
47&@	N92HE	18	TN	3549418C1
47@	N59EB	18	GY	3549418C1
47@	N94SM	18	GY	3549418C1
48@	N59P	18	GY	3549418C1
48&@	N92HG	14	TN	3549417C1
48@	N94SN	18	GY	3549418C1
49@	N59O	18	GY	3549418C1
49&@	N92HH	14	TN	3549417C1
49@	N94SJ	18	GY	3549418C1
50	N49	18	GY	3549418C1
51	N20	16	LTGN	3549416C1
52	N5E(+)	18	YL	3549418C1

CAV	CIRC	GAUGE	COLOR	TERMINAL
53	N5E(-)	18	GN	3549418C1
54@	N59S	18	GY	3549418C1
54@	N94SAB	18	GY	3549418C1
55@	N61B	18	GY	3549418C1
55@	N59T	18	GY	3549418C1
55@	N94SCB	18	GY	3549418C1
56@	N106B	18	GY	3549418C1
56@	N59V	18	GY	3549418C1
56@	N94SBB	18	GY	3549418C1
57@	N110B	18	GY	3549418C1
57@	N59W	18	GY	3549418C1
57@	N94SDB	18	GY	3549418C1
58@	N87DB	18	GY	3549418C1
58%@	N44M	18	GY	3549418C1
59@	N87MB	16	GY	3549417C1
59@	N87MB	18	GY	3549418C1
60@	N90K	18	GY	3549418C1
60@	N59EF	18	GY	3549418C1
60@	N92HA	18	TN	3549418C1
60@	N94SZC	18	GY	3549418C1
60@	N59ED	18	GY	3549418C1
60@	N116M	18	GY	3549418C1
61#@	N5A(-)	18	GN	3549418C1
61@	N59EC	18	GY	3549418C1
61@	N94SVC	18	GY	3549418C1
61@	N94AA	16	GY	3549417C1
62#@	N5A(+)	18	YL	3549418C1
62@	N59ED	18	GY	3549418C1
62@	N94SH	18	GY	3549418C1
63	N57BB	16	LTGN	3549417C1
64	N57BC	16	LTGN	3549416C1
65@	N42	16	GY	3549416C1
65@	N47TS	16	GY	3549416C1
66@	N112	16	GY	3549416C1
66&	N92HJ	12	TN	3549415C1
66@	N166U	16	GY	3549416C1
67@	N19	16	GY	3549416C1
67@	N92HD	12	TN	3549415C1
68	N65	16	OR	3549416C1
69@	N44	16	GY	3549416C1
69@	N94SK	18	GY	3549416C1
69@	N116L	16	GY	3549416C1
70@	N71N	16	OR	3549416C1
70&@	N92HC	12	TN	3549415C1
70@	N94AB	16	GY	3549416C1
71	N68BB	14	BN	3549416C1
72	N70BB	14	RD	3549416C1
73	N71BB	16	LTBL	3549416C1
74	N54BB	14	BN	3549416C1
75	N12BB	14	LTBL	3549416C1
76@	N37D	16	TN	3549416C1
76@	N92AB	16	TN	3549416C1

** W/ WABCO AIR ABS
W/ WABCO FULL POWER ABS
* W/ BENDIX AIR ABS
% W/ AIR ACTUATED
POWER PARK BRAKE
& W/ EATON HYBRID XMSN
@ MUTUALLY EXCLUSIVE

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
DLV1	28APR10	RVSD TITLE & LAYOUT;	B	62476L	310615	CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
		ADDED CAVS:54,60,61,65,67,69,70.			RELEASE NO. 61229V	DATE 09JUN09 PART NO. AE08058187 SHEET 044

Figure 280 Connector Composite (1701F)

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13.48. CONNECTOR COMPOSITE (1702), P. 45

NAVISTAR, INC

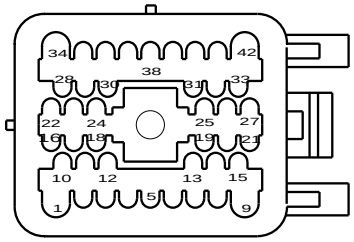
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ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

W/ IBB ENGINE

ENGINE / IP INTERCONNECT
(1702)
(LOCATED ON FRONT CENTER DASH PANEL)



CONNECTOR 3595620C1
BODY LOCK 3598916C1
BODY LOCK 3598917C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	PLUG	–	–	3508928C1
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
6*%	K92#145	18	OR	3549418C1
7#	K71B	16	OR	3549417C1
7*%	K92#165	18	TN	3549418C1
8%	K92#163	18	TN	3549418C1
8*	K13A	14	PK	3549417C1
9	K92DL	16	TN	3549416C1
10	K77	16	LTGN	3549417C1
11#	K5R(+)	18	YL	3549418C1
11*	K5R128	18	YL	3549418C1
12	K92DM	16	TN	3549417C1
13	K31	18	TN	3549418C1
14	K88	16	LTGN	3549417C1
15	PLUG	–	–	3508928C1
16	K17	16	PK	3549417C1
17#	K5R(-)	18	GN	3549418C1
17*	K5R108	18	GN	3549418C1
18	PLUG	–	–	3508928C1
19*	K92#134	18	TN	3549418C1
19#	K17-GC	18	PK	3549418C1
20#	K17B	18	PK	3549418C1
20*	K92#141	18	TN	3549418C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
21#	K17C	16	PK	3549417C1
21*	K92C103	18	YL	3549418C1
22	K97C	18	PL	3549418C1
23	K97B	18	PL	3549418C1
24	K97M	18	PL	3549418C1
25#	K92E	16	TN	3549417C1
25*	K92#117	18	TN	3549418C1
26#	K92F	18	TN	3549418C1
26*	K92C158	18	LTGN	3549418C1
27#	K92H	18	TN	3549418C1
27*	K92#124	18	TN	3549418C1
28	K99B	18	PL	3549418C1
29	K19N	18	PL	3549418C1
30	K99D	18	PL	3549418C1
31#	K92ER	18	TN	3549418C1
31*	K92#156	18	TN	3549418C1
32	K97S	18	VT	3549418C1
33	K97J	18	VT	3549418C1
34	PLUG	–	–	3508928C1
35	K3BA(+)	18	DKBL	3549418C1
36	K3BA(-)	18	GY	3549418C1
37	K13A	18	PK	3549418C1
38%	K47T	18	GY	3549418C1
38%	K92A15	18	TN	3549418C1
39*%	K92#161	18	TN	3549418C1
39#%	K92J	18	TN	3549418C1
39%	K92A	18	TN	3549418C1
40%	K98GN	18	GN	3549418C1
40%	K92B	18	TN	3549418C1
41*%	K92B112	18	TN	3549418C1
41%	K88A	16	LTGN	3549417C1
41#%	K98YL	18	YL	3549418C1
42	K97VT1	12	VT	3549415C1

* W/ ALLISON XMSN
\# W/ AUTOSHIFT AND ULTRASHIFT GEN3 XMSN
% W/ MUTUALLY EXCLUSIVE

CHK	DATE	CHANGE	REV	REFERENCE
MEF2	22JUN10	ADDED CIRCUIT K92DL	C	67657R
		AND K92DM AT CAV 9 AND 12.		

DRAWN 310615
NAME CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
RELEASE NO. 61229V
DATE 09JUN09
PART NO. AE08058187
SHEET 045

Figure 281 Connector Composite (1702)

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13.49. CONNECTOR COMPOSITE (1702), P. 46

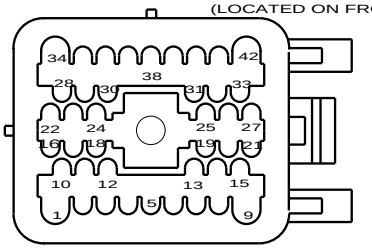
NAVISTAR, INC

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ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

ENGINE / IP INTERCONNECT (1702)
(LOCATED ON FRONT CENTER DASH PANEL)



CONNECTOR 3595620C1
BODY LOCK 3598916C1
BODY LOCK 3598917C1

@ W/ LCT XMSN
@@ W/ WTEC XMSN
W/ MANUAL XMSN
* W/ EATON AUTOSHIFT
** W/ MERITOR XMSN
% MUTUALLY EXCLUSIVE
& W/ V8 ENGINE

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	K97Z	10	VT	3549415C1
1&	K97NA	10	PL	3549415C1
2	K9E	18	GY	3549418C1
3	K6A	18	GY	3549418C1
4	K77B	18	LTGN	3549418C1
5%	K13Z	18	PK	3549418C1
5%	K17	18	PK	3549418C1
5&	PLUG	–	–	3508928C1
6	K92#145	18	OR	3549418C1
6#&	K71B	16	OR	3549417C1
6*	K71	18	OR	3549418C1
6**	K71D	16	OR	3549417C1
7#&	K71C	16	OR	3549417C1
7**	K71E	16	OR	3549417C1
7*	K71A	16	OR	3549417C1
7@	K92#165	18	TN	3549418C1
7@@	K92#165	18	TN	3549418C1
8**	K13A	16	PK	3549417C1
8*	K13D	14	PK	3549417C1
8@	K92#163	18	YL	3549418C1
8@@	K92#163	18	YL	3549418C1
9	K13B	12	PK	3549415C1
9&	PLUG	–	–	3508928C1
10	K77A	16	LTGN	3549417C1
11	K5A(+)	18	YL	3549418C1
12	K92#161	18	TN	3549418C1
13*	K31F	18	TN	3549418C1
13**	K31E	16	TN	3549417C1
13#&	K31B	18	TN	3549418C1
14	K88B	14	LTGN	3549417C1
14	K17FA	16	PK	3549417C1
15#	K17E	18	PK	3549418C1
15*	K17F	18	PK	3549418C1
15	K17B	18	PK	3549418C1
16	K17C	16	PK	3549417C1
17	K5A(-)	18	GN	3549418C1
18%	K17K	18	PK	3549418C1
18%	K17M	18	PK	3549418C1
19%	K17K	18	PK	3549418C1
19@	K92#142	18	WH	3549418C1
19@@	K92#134	18	YL	3549418C1
20*	K17L	18	PK	3549418C1
20@@	K92A141	18	TN	3549418C1
20&	K92A141	18	WH	3549418C1
21%	K92B103	18	YL	3549418C1
21%	K92D103	18	YL	3549418C1
21*	K17J	16	PK	3549417C1
21@	K92#103	18	YL	3549418C1
22	K97C	18	PL	3549418C1
23	K97B	18	PL	3549418C1
24	K23A	18	TN	3549417C1
24&	K23E	16	TN	3549417C1
25%	K92DL	18	LTBL	3549418C1
25*%	K92E	18	LTBL	3549418C1
25%	K92#117	18	LTBL	3549418C1
25*%	K98(+)	18	YL	3549418C1
26%	K92D158	18	LTGN	3549418C1
26*%	K92F	18	LTGN	3549418C1
26*%	K98(-)	18	GN	3549418C1
26@@	K14A	18	LTBL	3549418C1
26&	PLUG	–	–	3508928C1
27*%	K92H	18	WH	3549418C1
27%	K92#124	18	WH	3549418C1
27*%	K17B	18	PK	3549418C1
27&	PLUG	–	–	3508928C1
28	K99B	18	PL	3549418C1
29	K23B	18	TN	3549418C1
29&	K23L	18	TN	3549418C1
30	K97FT	18	PL	3549418C1
30&	K97FU	18	PL	3549418C1
31*	K92YB	16	TN	3549417C1
31	K92#156	18	PK	3549418C1
31%	K92C101	18	LTBL	3549418C1
31%	K92#101	18	LTBL	3549418C1
32%	K97WC	18	PL	3549418C1
33	K97M	18	PL	3549418C1
34	K19B	12	GY	3549415C1
35*	K3AA(+)	18	DKBL	3549418C1
35	K3A(+)	18	DKBL	3549418C1
36*	K3AA(-)	18	GY	3549418C1
36	K3A(-)	18	GY	3549418C1
37	K97UA	18	VT	3549418C1
37&	K97UB	18	PL	3549418C1
38%	K97DF	18	PL	3549418C1
38%	K47T	18	GY	3549418C1
39#	K93	18	TN	3549418C1
39*	K92AE	16	TN	3549417C1
39%	K92#161	18	OR	3549418C1
39%	K93	18	TN	3594918C1
40	K92(-)	18	GN	3549418C1
40&	K5G(+)	18	YL	3549418C1
40%	K92#101	18	LTBL	3549418C1
40%	K92C101	18	LTBL	3549418C1
41	K92B112	18	PK	3549418C1
41*	K92(+)	18	YL	3549418C1
41&	K5G(-)	18	GN	3549418C1
42%	K14LSC	12	WH	3549415C1
42%	K17A	16	WH	3549416C1

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
CNA1	30SEP10	CHARTS REVISED.	C	68076W	310615	CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
					RELEASE NO. 61229V	DATE 09JUN09 PART NO. AE08058187 SHEET 046

Figure 282 Connector Composite (1702)

https://truckmanualshub.com/

13.50. CONNECTOR COMPOSITE (1702), P. 47

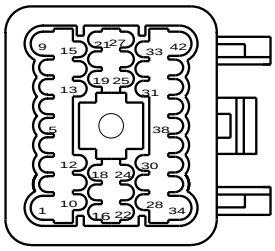
NAVISTAR, INC

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ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

IP / ENGINE INTERCONNECT (1702)
(LOCATED ON FRONT CENTER DASH PANEL)



CONNECTOR 3595621C1
BODY LOCK 3598918C1
BODY LOCK 3598919C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	A97Z	10	VT	3574287C1
1	A92A20	16	TN	3574288C1
2	A9E	20	GY	2003343C1
3	A6A	20	GY	2003343C1
4	A77B	20	LTGN	2003343C1
5@	A46C	18	GY	2003343C1
5@	A13Z	18	PK	2003343C1
5*	A17	18	PK	2003343C1
6@	A71	16	OR	3574285C1
6@	A92#145	18	TN	2003343C1
7@	A71AB	16	OR	3574285C1
7@	A92#165	18	TN	2003343C1
8@	A13A	16	PK	3574285C1
8@	A13D	16	PK	3574285C1
8@	A92#163	16	TN	3574285C1
8@	A92#163	18	TN	2003343C1
9#	A13B	12	PK	3574287C1
9**	A92DL	16	TN	3574288C1
10	A77A	16	LTGN	3574285C1
11	A5R(+)	18	YL	2003343C1
12	A92DM	16	TN	3574285C1
13	A31	18	TN	2003343C1
14@	A88B	16	LTGN	3574285C1
14*@	A17F	16	PK	3574285C1
15@	A17B	18	PK	2003343C1
15@	A41D	18	TN	2003343C1
16	A17C	16	PK	3574285C1
17	A5R(-)	18	GN	2003343C1
18@	A17M	18	PK	2003343C1
18@	A23A	16	TN	3574285C1
18	A41E	18	TN	2003343C1
19@	A92#142	18	TN	2003343C1
19@	A17K	18	PK	2003343C1
19@	A92#134	18	TN	2003343C1
20@	A92#141	18	TN	2003343C1
20@	A17L	18	PK	2003343C1
21@	A92#103	18	TN	2003343C1
21@	A17J	16	PK	3574285C1
22	A97C	18	PL	2003343C1
23	A97B	18	PL	2003343C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
24@	A23A	18	TN	2003343C1
24@	A99D	18	PL	2003343C1
25@	A92E	16	TN	3574285C1
25@	A92#117	18	TN	2003343C1
25#	A98(+)	18	YL	2003343C1
25&&	A92DN	18	TN	2003343C1
26@	A92#158	18	TN	2003343C1
26@	A92F	16	TN	3574285C1
26#	A98(-)	18	GN	2003343C1
26&&	A92A3	18	TN	2003343C1
27@	A92#124	18	TN	2003343C1
27@	A92H	16	TN	3574285C1
27#	A17B	16	PK	3574285C1
27@@	A92A1	18	TN	2003343C1
28	A99B	18	PL	2003343C1
29@	A97N	18	PL	2003343C1
29@	A23B	18	TN	2003343C1
30@	A97M	18	PL	2003343C1
30@	A97FU	18	PL	2003343C1
31@	A92YB	16	TN	3574285C1
31@	A92#156	18	TN	2003343C1
31&	A92#101	18	TN	2003343C1
32@	A97WC	18	PL	2003343C1
32@	A47TC	18	GY	2003343C1
33	A97M	18	PL	2003343C1
34	A19	12	GY	3574287C1
34&	A92A18	16	TN	3574288C1
35	A3AA(+)	18	DKBL	2003343C1
36	A3AA(-)	18	GY	2003343C1
37@	A97UA	16	PL	3574285C1
37@	A13D	18	PK	2003343C1
38@	A97DF	18	PL	2003343C1
38@	A47T	18	GY	2003343C1
38@	A46D	18	GY	2003343C1
39@	A92AE	16	TN	3574285C1
39@	A92#161	18	TN	2003343C1
39@	A93	18	TN	2003343C1
40@	A92(-)	18	GN	2003343C1
40@	A92#101	18	TN	2003343C1
40@	A37B	18	TN	2003343C1
41@	A92(+)	18	YL	2003343C1
41@	A92#112	18	TN	2003343C1
41@	A37A	20	TN	2003343C1
42@	A14LSC	12	RD	3574287C1
42@	A17A	16	WH	3574288C1
42@	A97S	14	PL	3574288C1

@ MUTUALLY EXCLUSIVE
* W/ STARTER CONT, W/ EATON HYBRID
& W/ ALLISON XMSN
&& W/ EATON AUTO / ULTRASHIFT 3 XMSN
W/ EATON HYBRID XMSN
** W/ EATON ULTRASHIFT

CHK	DATE	CHANGE	REV	REFERENCE
CNA1	30SEP10	CHARTS REVISED.	D	68076W

DRAWN 310615 | NAME CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
RELEASE NO. 61229V | DATE 09JUN09 | PART NO. AE08058187 | SHEET 047

Figure 283 Connector Composite (1702)

https://truckmanualshub.com/

13.51. CONNECTOR COMPOSITES (1800), P. 48

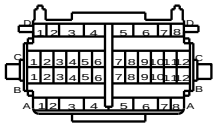
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ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

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

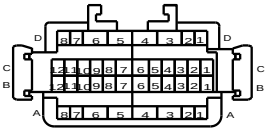


CONNECTOR 3553649C1
BODY LOCK 3553650C1

* W/ I6 & V8 ENGINES
& W/ IBB ENGINE
% W/ HYD BRAKES
%% W/ AIR BRAKES
@ MUTUALLY EXCLUSIVE

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A1	A56L	20	OR	3544883C1
A2	A57R	20	OR	3544883C1
A3	A11-GA	18	WH	3544876C1
A4	A9V	18	GY	3544876C1
A5@	A87A	18	GY	3544876C1
A5@	A87A	20	GY	3544875C1
A6	A70A	20	RD	3544875C1
A7	A52A	20	YL	3544883C1
A8	A102A	20	YL	3544883C1
B1	A82C	20	GY	3544883C1
B2	A40A	18	GY	3544884C1
B3@	A6	18	GY	3544884C1
B3@	A6H	18	GY	3544884C1
B4	A97B	18	PL	3544884C1
B5&	A97M	18	PL	3544884C1
B5*	A97FU	18	PL	3544884C1
B6&	A97N	18	PL	3544884C1
B6*	A97WC	18	PL	3544884C1
B7	A44A	16	GY	3544884C1
B8	–	–	–	–
B9	A70	20	RD	3544883C1
B10	A85B	20	GY	3544883C1
B11@	A85K	18	GY	3544884C1
B11@	A85C	18	GY	3544884C1
B12	A97	20	GY	3544883C1
C1	A82B	20	GY	3544883C1
C2	A40B	18	GY	3544884C1
C3@	A94SV	18	GY	3544884C1
C3@	A94SVE	18	GY	3544884C1
C4	A99B	18	PL	3544884C1
C5	A97C	18	PL	3544884C1
C6*	A99M	18	PL	3544884C1
C6&	A99D	18	PL	3544884C1
C7	–	–	–	–
C8	–	–	–	–
C9	A82A	20	GY	3544883C1
C10@	A94SZ	18	GY	3544884C1
C10@	A94SZE	18	GY	3544884C1
C11	A97A	18	PL	3544884C1
C12	A40	18	GY	3544884C1
D1@	A70EA	18	OR	3544884C1
D1@	A14EB	18	RD	3544884C1
D1@	A70R	18	OR	3544884C1
D2@	A70DA	18	GY	3544884C1
D2@	A14EBA	18	RD	3544884C1
D2@	A70CD	16	LTBL	3544884C1
D3	–	–	–	–
D4	–	–	–	–
D5@	A94SE	16	GY	3544876C1
D5@	A94SE	18	GY	3544876C1
D6@	A94SF	16	GY	3544876C1
D6@	A94SF	18	GY	3544876C1
D7*	A17B	18	PK	3544884C1
D7&	A17A	18	PK	3544884C1
D8*	A17HB	18	PK	3544884C1
D8&	A17D	18	PK	3544884C1

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



CONNECTOR 3612512C1
BODY LOCK1 3553652C1
BODY LOCK2 3612513C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A1	B56A	18	OR	3544886C1
A2	B57A	18	OR	3544886C1
A3	B11-GAA	18	WH	3544880C1
A4	B9V	18	GY	3544880C1
A5	B87A	18	GY	3544880C1
A6	B70A	18	OR	3544880C1
A7	B52A	18	YL	3544886C1
A8	B102A	18	YL	3544886C1
B1	B82B	18	GY	3544886C1
B2	B40A	18	GY	3544886C1
B3	B6H	18	GY	3544886C1
B4	B97Y	18	PL	3544886C1
B5	B99U	18	PL	3544886C1
B6	B99W	18	PL	3544886C1
B7%%	B44BB	18	GY	3544886C1
B7%	B44BB	18	WH	3544886C1
B8	–	–	–	–
B9	B70	18	OR	3544886C1
B10	B85B	18	GY	3544886C1
B11	B85C	18	GY	3544886C1
B12	B96	18	PL	3544886C1
C1	B82A	18	GY	3544886C1
C2	B40F	18	GY	3544886C1
C3	B94SV	18	GY	3544886C1
C4	B99V	18	PL	3544886C1
C5	B97P	18	PL	3544886C1
C6	B99E	18	PL	3544886C1
C7	B92DL	16	TN	3544886C1
C8	B92DM	16	TN	3544886C1
C9	B82	18	GY	3544886C1
C10	B94SZ	18	GY	3544886C1
C11	B96A	18	PL	3544886C1
C12	B40	18	GY	3544886C1
D1	B70R	18	OR	3544886C1
D2	B70CD	18	GY	3544886C1
D3	–	–	–	–
D4	–	–	–	–
D5	B94SE	18	GY	3544880C1
D6	B94SF	18	GY	3544880C1
D7	B17J	18	PK	3544886C1
D8	B17H	18	PK	3544886C1

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
MEF2	22JUN10	ADDED CONN 1800F.	C	67657R	310615	CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
					RELEASE NO. 61229V	DATE 09JUN09 PART NO. AE08058187 SHEET 048

Figure 284 Connector Composites (1800)

https://truckmanualshub.com/

13.52. CONNECTOR COMPOSITES (1804), (1807), (1809), (1810), P. 49

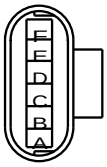
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ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

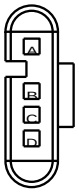
DUAL ANALOG ACCELERATOR
(1804)
(LOCATED ABOVE ACCELERATOR PEDAL)



CONNECTOR 1687790C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A	B99V	18	PL	1651943C1
B	B97Y	18	PL	1651943C1
C	B97P	18	PL	1651943C1
D	B99U	18	PL	1651943C1
E	B99W	18	PL	1651943C1
F	B99E	18	PL	1651943C1

CLUTCH SWITCH
(1807)
(LOCATED ON CLUTCH PEDAL)



CONNECTOR 3540757C1
BODY LOCK 3540758C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	B17J	18	PK	1667742C1	3568570C1
B	B17H	18	PK	1667742C1	3568570C1
C	B96A	18	PL	1667742C1	3568570C1
D	B9VB	18	GY	1667742C1	3568570C1

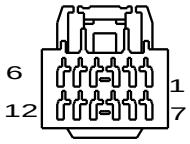
CLOCK SPRING
(1809)
(LOCATED IN STEERING COLUMN)



CONNECTOR 3547870C1
BODY LOCK 3515764C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A	B9R	18	GY	1661261C1
B	B96	18	PL	1661261C1
C	B85C	18	GY	1661261C1
D	B85B	18	GY	1661261C1

TURN SIGNAL SWITCH
(1810)
(LOCATED ON STEERING COLUMN)



CONNECTOR 3539212C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	B56A	18	OR	3571717C1
2	B57A	18	OR	3571717C1
3	B52A	18	YL	3571717C1
4	B102A	18	YL	3571717C1
5	B82B	18	GY	3571717C1
6	B11-GAA	18	WH	3571717C1
7	B9S	18	GY	3571717C1
8	B82	18	GY	3571717C1
9	–	–	–	–
10	–	–	–	–
11	B82A	18	GY	3571717C1
12	B87A	18	GY	3571717C1

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
MEF2	22JUN10	ADDED CONN 1804,	C	67657R	310615	CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
		1807, 1809 AND 1810.			RELEASE NO. 61229V	DATE 09JUN09

PART NO. AE08058187 SHEET 049

Figure 285 Connector Composites (1804), (1807), (1809), (1810)

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13.53. CONNECTOR COMPOSITES (1811), (1812), (1813), (1814), (1815), P. 50

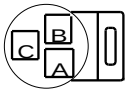
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ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

PRIMARY AIR TRANSDUCER
(1811)
(LOCATED AT BASE OF STEERING COLUMN)

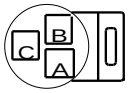


CONNECTOR 1678137C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A	B9VC	18	GY	1651943C1
B*	B6HB	18	GY	1651943C1
B**	B6H	18	GY	1651943C1
C	B40	18	GY	1651943C1

* W/ AIR BRAKES
** W/ HYD AND AIR PARK BRAKES

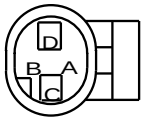
SECONDARY AIR TRANSDUCER
(1812)
(LOCATED AT BASE OF STEERING COLUMN)



CONNECTOR 1678137C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A	B9VE	18	GY	1651943C1
B	B6HA	18	GY	1651943C1
C	B40A	18	GY	1651943C1

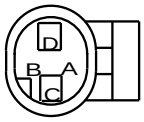
PARK BRAKE
(1813)
(LOCATED AT BASE OF STEERING COLUMN)



CONNECTOR 1661777C1
BODY LOCK 1661873C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	–	–	–	–	–
B	–	–	–	–	–
C	B44BB	18	GY	1661875C1	3568570C1
D	B9VD	18	GY	1661875C1	3568570C1

AUTO - NEUTRAL SWITCH
(1814)
(LOCATED AT BASE OF STEERING COLUMN)



CONNECTOR 1661777C1
BODY LOCK 1661873C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	–	–	–	–	–
B	–	–	–	–	–
C	B92L	16	TN	3594831C1	1661872C1
D	B92DM	16	TN	3594831C1	1661872C1

PARK BRAKE
(1815)
(LOCATED AT BASE OF STEERING COLUMN)



CONNECTOR 1661259C1
BODY LOCK 1661264C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A	WHITE	18	WH	1661261C1
B	BLK1	18	BK	1661261C1

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
MEF2	22JUN10	ADDED CONN 1811,	C	67657R	310615	CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
		1812, 1813, 1814 AND 1815.			RELEASE NO. 61229V	DATE 09JUN09

PART NO. AE08058187 SHEET 050

Figure 286 Connector Composites (1811), (1812), (1813), (1814), (1815)

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13.54. CONNECTOR COMPOSITES (1820F), (1820M), (1821), (1822), P. 51

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ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

RSP / ESP SWITCH
CAB HARNESS STEERING WHEEL SENSOR
(1820F)
(LOCATED IN INSTRUMENT PANEL TO THE RIGHT OF STEERING COLUMN)



CONNECTOR 1667529C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A	B94SA	20	GY	3634481C1
B	B94SB	20	GY	3634481C1
C	B94SC	20	GY	3634481C1
D	B94SD	20	GY	3634481C1

RSP / ESP SWITCH
CAB HARNESS STEERING WHEEL SENSOR
(1820M)
(LOCATED IN INSTRUMENT PANEL TO THE RIGHT OF STEERING COLUMN)

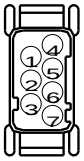


CONNECTOR 1667305C1
BODY LOCK 1661263C1 - 2 REQD

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A@	A94SA	20	GY	3544254C1
A@	A94SAB	18	GY	1661261C1
B@	A94SB	20	GY	3544254C1
B@	A94SBB	18	GY	1661261C1
C@	A94SC	20	GY	3544254C1
C@	A94SCB	18	GY	1661261C1
D@	A94SD	20	GY	3544254C1
D@	A94SDB	18	GY	1661261C1

@ MUTUALLY EXCLUSIVE

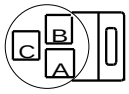
STEERING WHEEL POSITION SENSOR
(1821)
(LOCATED ON STEERING COLUMN)



CONNECTOR 3601800C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	A94SC	20	GY	3601801C1
2	A94SA	20	GY	3601801C1
3	A94SB	20	GY	3601801C1
4	A94SD	20	GY	3601801C1
5	–	–	–	–
6	–	–	–	–
7	–	–	–	–

TRANSDUCER CONNECTOR
(1822)
(LOCATED AT BASE OF STEERING COLUMN)



CONNECTOR 1678137C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A	B9VF	18	GY	1651943C1
B	B6HC	18	GY	1651943C1
C	B40F	18	GY	1651943C1

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
MEF2	22JUN10	REVISED AND REDRAWN.	C	67657R	310615	CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
					RELEASE NO. 61229V	DATE 09JUN09

PART NO. AE08058187 SHEET 051

Figure 287 Connector Composites (1820F), (1820M), (1821), (1822)

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13.55. CONNECTOR COMPOSITES (1823), (1824), (1825), (1826), P. 52

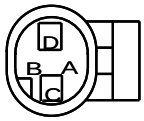
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ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

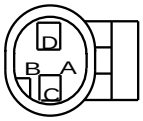
STOP LIGHT # 1
(1823)
(LOCATED AT BASE OF STEERING COLUMN)



CONNECTOR 1661777C1
BODY LOCK 1661873C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	–	–	–	–	–
B	–	–	–	–	–
C	B70A	18	OR	1661875C1	3568570C1
D	B9VG	18	GY	1661875C1	3568570C1

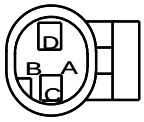
STOP LIGHT # 2
(1824)
(LOCATED AT BASE OF STEERING COLUMN)



CONNECTOR 1661777C1
BODY LOCK 1661873C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	–	–	–	–	–
B	–	–	–	–	–
C	B70	18	OR	1661875C1	3568570C1
D	B9VH	18	GY	1661875C1	3568570C1

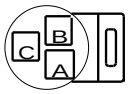
BRAKE PRESSURE SWITCH
(1825)
(LOCATED AT BASE OF STEERING COLUMN)



CONNECTOR 1661777C1
BODY LOCK 1661873C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	–	–	–	–	–
B	–	–	–	–	–
C	B70R	18	OR	1661875C1	3568570C1
D	B70CD	18	GY	1661875C1	3568570C1

ABS PRIMARY AIR TRANSDUCER
(1826)
(LOCATED AT BASE OF STEERING COLUMN)



CONNECTOR 1678137C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A	A94SZA	18	GY	1651943C1
B	A94SVA	18	GY	1651943C1
C	A94SE	18	GY	1651943C1

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
MEF2	22JUN10	ADDED CONN 1823,	C	67657R	310615	CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
		1824, 1825 AND 1826.			RELEASE NO. 61229V	DATE 09JUN09

PART NO. AE08058187 SHEET 052

Figure 288 Connector Composites (1823), (1824), (1825), (1826)

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13.56. CONNECTOR COMPOSITES (1828), (1852)/(1852A), P. 53

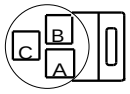
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ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

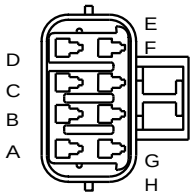
ABS SECONDARY AIR TRANSDUCER
(1828)



CONNECTOR 1678137C1

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

LCT COLUMN SHIFTER (1828)
(LOCATED ON THE BACK OF
LCT SHIFT SELECTOR)

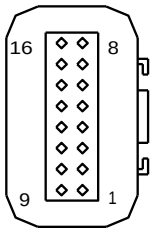


CONNECTOR 3525872C1
BODY LOCK 3525873C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A	PLUG	-	-	2025431C1
B	A92-GG	18	WH	1661875C1
C	A92A163	18	TN	1661875C1
D	A92D	18	TN	1661875C1
E	A92#142	18	TN	1661875C1
F@	A92#103	18	TN	1661875C1
F*	A92A103	18	TN	1661875C1
G	A44L	18	GY	1661875C1
H	A44J	18	GY	1661875C1

* W/ WHEELCHAIR LIFT INTERLOCK
@ W/ LCT COLUMN SHIFTER

WTEC SHIFT SELECTOR CONN
(1852 / 1852A)
(LOCATED IN INSTRUMENT PANEL NEAR SHIFTER)



CONNECTOR 3605446C91

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	PLUG	-	-	3518314C1
2	PLUG	-	-	3518314C1
3	A62BE	18	GY	3517243C1
4	PLUG	-	-	3518314C1
5	A92-GG	18	WH	3517243C1
6	PLUG	-	-	3518314C1
7	PLUG	-	-	3518314C1
8	A5FA(+)	18	YL	3517243C1
9	PLUG	-	-	3518314C1
10	PLUG	-	-	3518314C1
11	A92#134	18	TN	3517243C1
12	A92A163	18	TN	3517243C1
13	A92BT	18	TN	3517243C1
14	PLUG	-	-	3518314C1
15	A5FA(-)	18	GN	3517243C1
16	PLUG	-	-	3518314C1

CHK	DATE	CHANGE	REV	REFERENCE
DLV1	28APR10	MODIFIED DESCRIPTION	B	62476L
		FOR CONN 1852 / 1852A.		

DRAWN 310615
RELEASE NO. 61229V
NAME CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
DATE 09JUN09
PART NO. AE08058187
SHEET 053

Figure 289 Connector Composites (1828), (1852)/(1852A)

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13.57. CONNECTOR COMPOSITES (1861), (1872), (1873), (1874), (1874B), (1900), P. 54

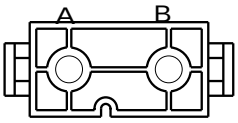
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ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

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

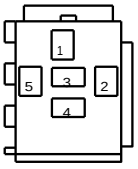


* W/ CIGAR
@ N/ CIGAR

CONNECTOR 3517473C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A*	A86S	14	LTGN	3517476C1
A@	A86N	14	LTGN	3517476C1
B*	A86-GS	14	WH	3517476C1
B@	A86-GB	14	WH	3517476C1

AUX-POWER RELAY (1873)
(LOCATED AT INSTRUMENT PANEL CENTER)

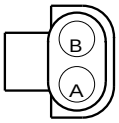


CONNECTOR 0593385C1
BODY LOCK 0593387C1

* MUTUALLY EXCLUSIVE

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1*	A103BA	16	LTGN	1661228C1
	A103C	10	LTGN	1661228C1
1*	A14LP	10	RD	1661710C1
1*	A14WB	12	RD	1661228C1
	A14WC	14	RD	1661228C1
1*	A13F	16	PK	2018946C1
	A104J	16	DKBL	2018946C1
1*	A72C	12	OR	2022374C1
1*	A92HJ	12	TN	1661710C1
2*	A12LC	18	PK	1659673C1
2*	A104A	18	DKBL	1659673C1
2*	A13X	16	PK	1661709C1
2*	A12BC	18	LTBL	1659673C1
2*	A103AA	18	LTGN	1659673C1
2*	A92HF	18	TN	1659673C1
3	A13XA	16	PK	2018946C1
4*	A72A	12	OR	2022374C1
4*	A103D	12	LTGN	1661710C1
4*	A14BC	14	RD	1661710C1
	A14LSC	12	RD	1661710C1
4*	A12BD	12	LTBL	1661710C1
4*	A14H	16	PK	1661709C1
5*	A13XA	16	PK	1661709C1
	A13DB	18	PK	1661709C1
5*	A11-GX	18	WH	1659673C1
5*	A92HE	18	TN	1659673C1
5*	A14WC	14	RD	2018946C1
5*	A103BA	16	LTGN	2018946C1

AUX-POWER CONNECTOR (1872)
(LOCATED AT INSTRUMENT PANEL CENTER)



CONNECTOR 0587568C91

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A	A72A	12	OR	1673747C1
B	A72-GY	12	WH	1673747C1

WORKSTAR WIF SENSOR (1874B)
(LOCATED AT INSTRUMENT PANEL CENTER)



CONNECTOR 3602747C1
BODY LOCK 3539784C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	D95W	18	TN	1680205C1
2	D95-GF	18	WH	1680205C1

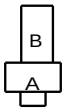
WIF SENSOR (1874)
(LOCATED AT INSTRUMENT PANEL CENTER)



CONNECTOR 3590390C91

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
1	D95W	18	TN	3561584C1	3536867C1
2	D95-GF	18	WH	3561584C1	3536867C1

WHEEL CHAIR LIFT INTERLOCK DIODE (1900)
(LOCATED IN INSTRUMENT PANEL
NEAR DCM BREAKOUT)



CONNECTOR 0872291R1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A	A89CB	18	PL	0879630R1
B	A89CE	18	PL	0879630R1

CHK	DATE	CHANGE	REV	REFERENCE
DLV1	28APR10	RVSD 1874,1874B,1900	B	62476L
	TITLES;RMVD XMSN REF.			

DRAWN 310615 | NAME CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500

RELEASE NO. 61229V | DATE 09JUN09 | PART NO. AE08058187 | SHEET 054

Figure 290 Connector Composites (1861), (1872), (1873), (1874), (1874B), (1900)

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13.58. CONNECTOR COMPOSITES (1901), (1902), (1910), (1912), (1917), (1918A), P. 55

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ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

AUX POWER (1901)
(LOCATED AT INSTRUMENT PANEL CENTER)

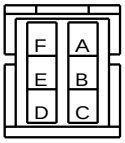


CONNECTOR 1661196C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A*	A86RC	14	LTGN	3566715C1
A*	A86PA	16	LTGN	1661208C1
B*	A86-GRC	14	WH	3566715C1
B*	A86-GP	16	WH	1661208C1

* MUTUALLY EXCLUSIVE

QUALCOM POWER (1902)
(LOCATED IN RIGHT SIDE INSTRUMENT PANEL)



CONNECTOR 1661201C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A	A3AB(+)	18	DKBL	1661212C1
B	A3AB(-)	18	GY	1661212C1
C	A14AF	18	RD	1661212C1
D	A11-GAA	18	WH	1661212C1
E	A13FG	18	PK	1661212C1
F	A62B	18	DKBL	1661212C1

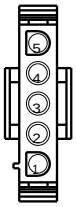
XATA MODULE (1910)
(LOCATED AT RIGHT SIDE BACK OF DOOR)



CONNECTOR 1667305C1
BODY LOCK 1661263C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A	A14EA	16	RD	1661261C1
B	A11-GMA	16	WH	1661261C1
C	A3BE(+)	18	DKBL	1661261C1
D	A3BE(-)	18	GY	1661261C1

COMPASS MODULE (1912)
(LOCATED IN INSTRUMENT PANEL BY FUSE PANEL)



CONNECTOR 3609957C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	A28V	16	TN	3614754C1
2	A5CA(+)	18	YL	3614754C1
3	A5CA(-)	18	GN	3614754C1
4	A28-GA	16	WH	3614754C1
5	-	-	-	-

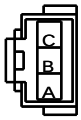
QUALCOMM OMNIVISION REMOTE CTRL (1917)
(LOCATED AT INSTRUMENT PANEL)



CONNECTOR 1661259C1
BODY LOCK 1661263C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A	A86RCD	18	LTGN	1661261C1
B	A86-GD2	18	WH	1661261C1

QUALCOMM OMNIVISION POWER (1918A)
(LOCATED BEHIND DRIVER SEAT ON FLOOR)



CONNECTOR 1661199C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A	A14ED	16	RD	1661212C1
B	A13EE	16	DKBL	1661212C1
C	A11-GMB	16	WH	1661212C1

CHK	DATE	CHANGE	REV	REFERENCE
DLV1	28APR10	R/D 1917:CIRC A86-GD2	B	62476L
		WAS A86-GDZ.		

DRAWN 310615
NAME CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
RELEASE NO. 61229V
DATE 09JUN09
PART NO. AE08058187
SHEET 055

Figure 291 Connector Composites (1901), (1902), (1910), (1912), (1917), (1918A)

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13.59. CONNECTOR COMPOSITES (1918), (1919A), (1920), (1927), (1929), P. 56

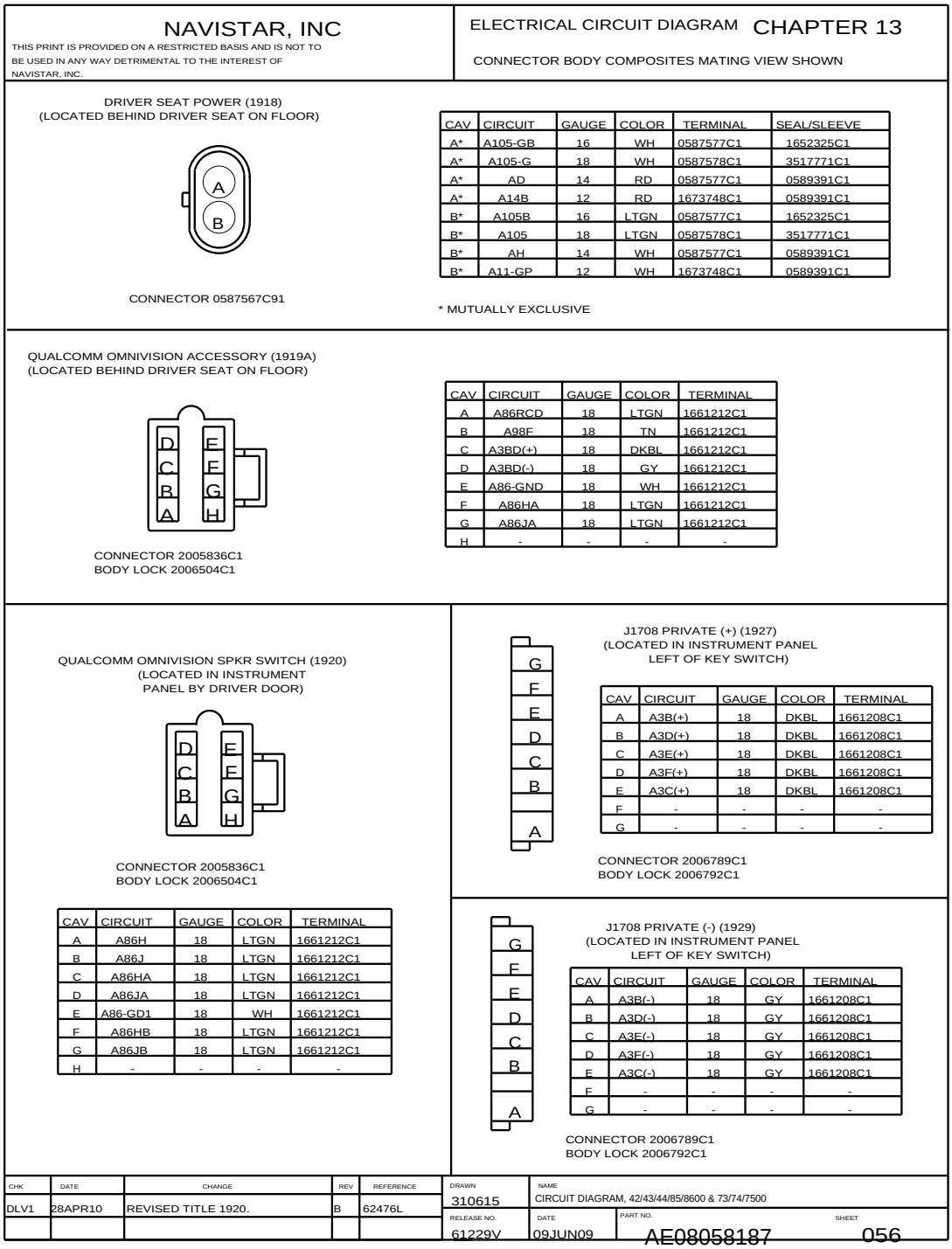


Figure 292 Connector Composites (1918), (1919A), (1920), (1927), (1929)

https://truckmanualshub.com/

13.60. CONNECTOR COMPOSITES (1935), (1942F), (1943M), (2000), P. 57

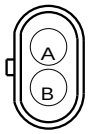
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ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

HEATED SEAT PASSENGER (1935)
(LOCATED BEHIND PASSENGER SEAT ON FLOOR)



CONNECTOR 0587567C91

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A*	A105-GA	16	WH	0587577C1	1652325C1
A*	A14C	12	RD	1673748C1	0589391C1
B*	A105A	16	LTGN	0587577C1	1652325C1
B*	A11-GR	12	WH	1673748C1	0589391C1

* MUTUALLY EXCLUSIVE

VS-400 SIDE DISPLAY (1942F)
(LOCATED IN RIGHT SIDE
'A' PILLAR)

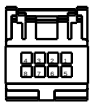


CONNECTOR 3673259C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	A67C	18	GY	3572626C1
2	A67D	18	GY	3572626C1
3*	A67E	18	GY	3572626C1
3*	A67B	18	GY	3572626C1
4*	A57AC	18	GY	3572626C1
4*	A57AC	16	OR	3572626C1

* MUTUALLY EXCLUSIVE

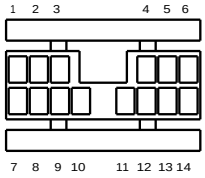
VS-400 DRIVER DISPLAY (1943M)
(LOCATED IN INSTRUMENT PANEL
RIGHT SIDE)



CONNECTOR 3673332C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	-	-	-	-
2	-	-	-	-
3	-	-	-	-
4	A67AC	18	PK	3673333C1
5	A67-GB	18	WH	3673333C1
6	A5E(-)	18	GN	3673333C1
7	A5E(+)	18	YL	3673333C1
8	-	-	-	-

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



CONNECTOR 3544690C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	A86C	20	LTGN	3544692C1
2	A63-GA	16	WH	3544694C1
3	A63DF	18	DKBL	3544692C1
4	A86EA	20	LTGN	3544692C1
5	A86DA	20	LTGN	3544692C1
6*	A63DA	18	DKBL	3544692C1
6*	A63A	18	DKBL	3544692C1
7	-	-	-	-
8	-	-	-	-
9	A58T	18	BN	3544692C1
10	A63	18	DKBL	3544692C1
11	A11-GF	16	WH	3544694C1
12	A86F	18	LTGN	3544692C1
13	A86BA	20	LTGN	3544692C1
14	A9L	18	GY	3544692C1

* MUTUALLY EXCLUSIVE

CHK	DATE	CHANGE	REV	REFERENCE
DLV1	28APR10	REVISED 1942F AND	B	62476L
	1943M CHARTS.			

DRAWN 310615
RELEASE NO. 61229V
NAME CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
DATE 09JUN09
PART NO. AE08058187
SHEET 057

Figure 293 Connector Composites (1935), (1942F), (1943M), (2000)

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13.61. CONNECTOR COMPOSITES (2021), (2200), (2201), (2503), (2600), P. 58

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ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

IP / AUX ROOF (2021)
(LOCATED IN INSTRUMENT PANEL RIGHT SIDE)



CONNECTOR 3554817C1
BODY LOCK 3554820C1

* W/ AIR SHIELD

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A*	A58C	18	BN	3534164C1
A	A12U	16	LTBL	3534165C1
B*	A58-GC	18	WH	3534164C1
B	A12-GB	16	WH	3534165C1

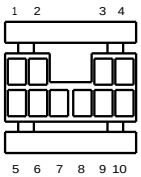
CUSTOMER SUPPIED WORK LIGHT
(2200)



CONNECTOR 1661259C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A	A65AD	18	OR	1661261C1
B	A65-GC	18	WH	1661261C1

IP / PREMIUM ROOF (2503)
(LOCATED IN INSTRUMENT PANEL LEFT SIDE)



CONNECTOR 3544688C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	-	-	-	-
2	-	-	-	-
3	-	-	-	-
4	-	-	-	-
5	-	-	-	-
6#	A86L	20	LTGN	3544692C1
6&	A86L	20	LTGN	3544692C1
6*	A86L	18	LTGN	3544692C1
7#	A86J	20	LTGN	3544692C1
7&	A86J	20	LTGN	3544692C1
7*	A86JB	18	LTGN	3544692C1
8#	A86H	20	LTGN	3544692C1
8&	A86H	20	LTGN	3544692C1
8*	A86HB	18	LTGN	3544692C1
9#	A86K	20	LTGN	3544692C1
9&	A86K	20	LTGN	3544692C1
9*	A86K	18	LTGN	3544692C1
10	-	-	-	-

* W/ QUALCOMM OMNIVISION
W/ 12 WAY W/ PREM TRIM
& W/ 16 WAY W/ PREM TRIM

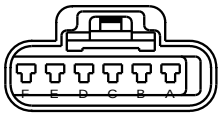
CUSTOMER SUPPIED WORK LIGHT
(2201)



CONNECTOR 1661259C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A	A65-GD	18	WH	1661261C1
B	A65AE	18	OR	1661261C1

ROOF / IP CREW ROOF (2600)
(LOCATED IN INSTRUMENT PANEL LEFT SIDE)



CONNECTOR 3550639C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A	A81C	12	LTGN	3544877C1
B	A3F(+)	18	DKBL	3544876C1
C	A81D	12	LTGN	3544877C1
D	A81-GB	12	WH	3544877C1
E	A3F(-)	18	GY	3544876C1
F	A81-GC	12	WH	3544877C1

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
DLV1	28APR10	ADDED CONN 2200 AND	B	32476L	310615	CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
	2201.				RELEASE NO. 61229V	DATE 09JUN09

PART NO. AE08058187 SHEET 058

Figure 294 Connector Composites (2021), (2200), (2201), (2503), (2600)

https://truckmanualshub.com/

13.62. CONNECTOR COMPOSITES (3000), (3003), (3200), P. 59

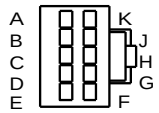
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ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

DRIVER DOOR CONNECTOR (3000)
(LOCATED IN INSTRUMENT PANEL
BY DRIVER DOOR)

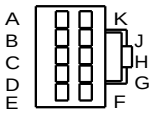


CONNECTOR 3540612C1
BODY LOCK 3540614C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A	A78D	18	LTGN	1661261C1
B	A78E	18	LTGN	1661261C1
C	A78F	18	LTGN	1661261C1
D&	A78A	16	LTGN	1661261C1
D*	A78AB	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	-	-	-	-
K	-	-	-	-

& W/ POWER MIRROR - HEATED
* W/ DUAL HOOD MTD MIRROR - HEATED

PASSENGER DOOR (3003)
(LOCATED IN INSTRUMENT PANEL
BY PASSENGER DOOR)

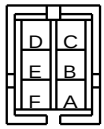


CONNECTOR 3540612C1
BODY LOCK 3540614C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A	A78D	18	LTGN	1661261C1
B	A78E	18	LTGN	1661261C1
C	A78F	18	LTGN	1661261C1
D#	A78B	16	LTGN	1661261C1
D#	A78BB	16	LTGN	1661261C1
E	-	-	-	-
F	A58DB	18	BN	1661261C1
G	-	-	-	-
H	A78-GB	16	WH	1661261C1
J	-	-	-	-
K	-	-	-	-

MUTUALLY EXCLUSIVE

IP CONNECTOR (3200)
(LOCATED IN INSTRUMENT PANEL BY DRIVER DOOR)



CONNECTOR 1661200C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A	A3D(+)	18	DKBL	1661208C1
B	A3D(-)	18	GY	1661208C1
C	A81B	12	LTGN	3566715C1
D*	A81-GA	12	WH	3566715C1
D*	A81-GH	12	WH	3566715C1
E	A63-GDW	18	WH	1661208C1
F	A63DB	18	DKBL	1661208C1

* MUTUALLY EXCLUSIVE

CHK	DATE	CHANGE	REV	REFERENCE
DLV1	18SEP09	INITIAL RELEASE.	A	61229V

DRAWN 310615
NAME CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
RELEASE NO. 61229V
DATE 09JUN09
PART NO. AE08058187
SHEET 059

Figure 295 Connector Composites (3000), (3003), (3200)

https://truckmanualshub.com/

13.63. CONNECTOR COMPOSITES (3204), (4004), (4021/4021A/4021B), (4022/4022A/4022B), (4037), (4038), P. 60

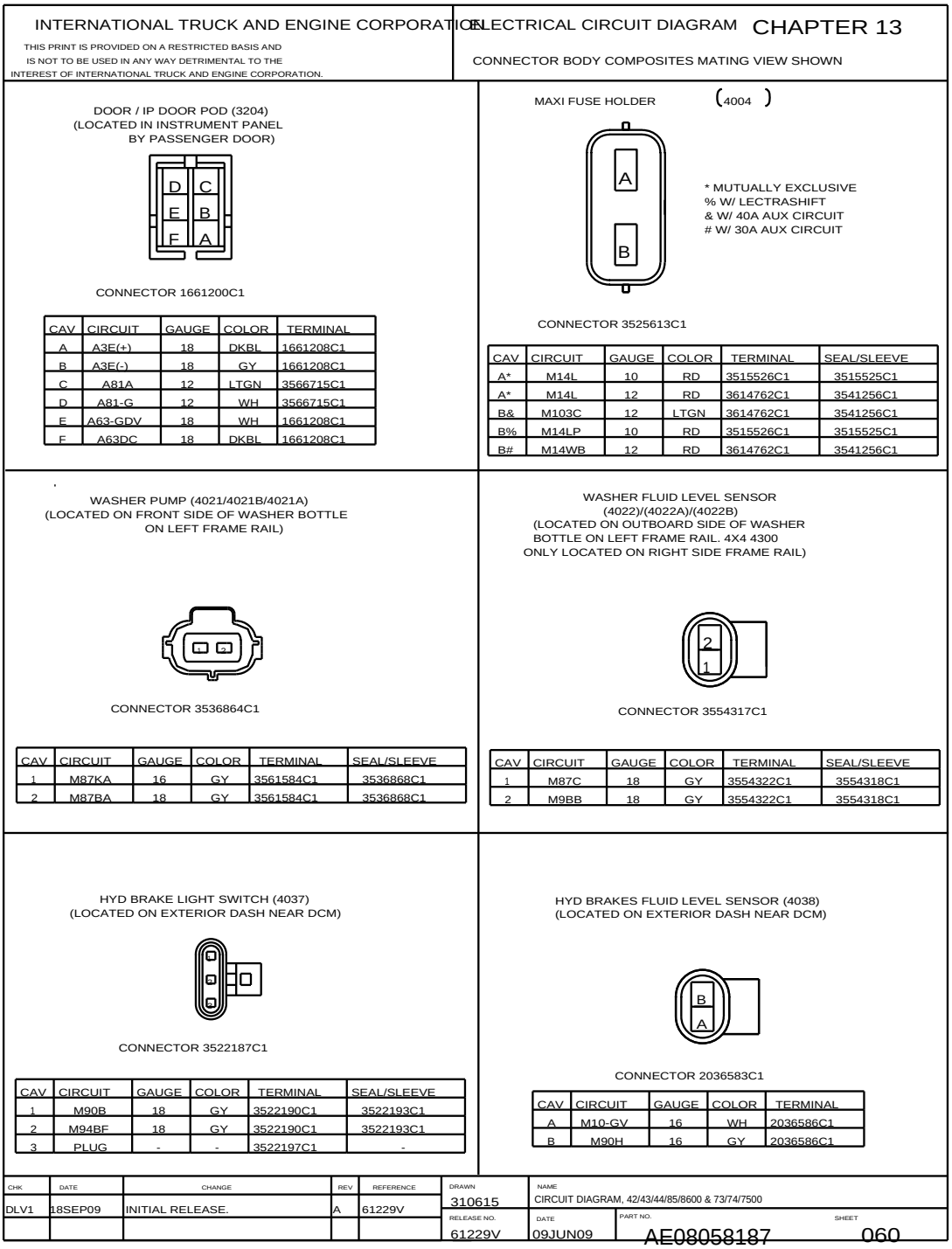


Figure 296 Connector Composites (3204), (4004), (4021/4021A/4021B), (4022/4022A/4022B), (4037), (4038)

https://truckmanualshub.com/

13.64. CONNECTOR COMPOSITES (4060), (4070), (4071), P. 61

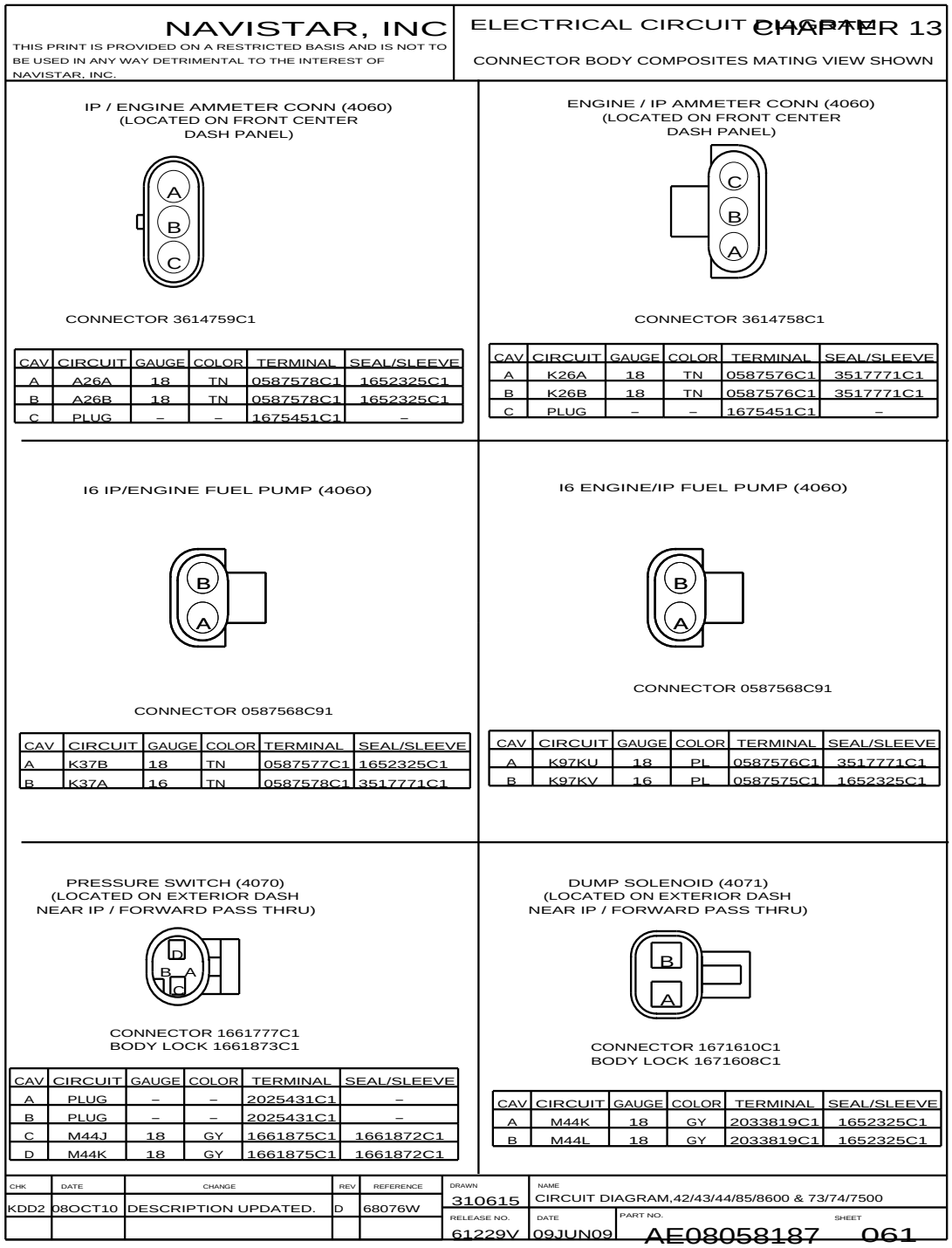


Figure 297 Connector Composites (4060), (4070), (4071)

https://truckmanualshub.com/

13.65. CONNECTOR COMPOSITES (4087/4087B), (4111M), (4120), P. 62

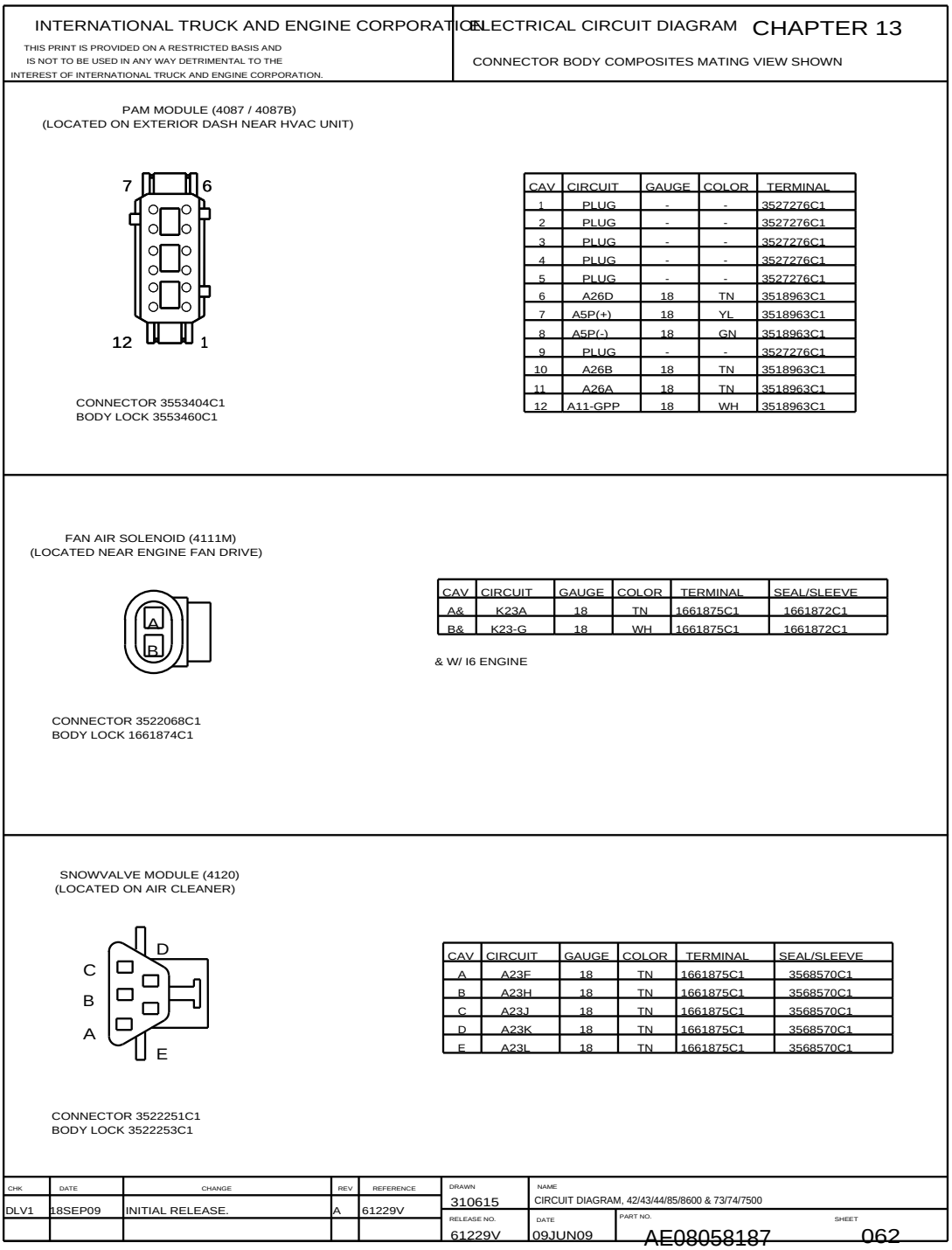


Figure 298 Connector Composites (4087/4087B), (4111M), (4120)

https://truckmanualshub.com/

13.66. CONNECTOR COMPOSITES (4320), (4321), (4322), P. 63

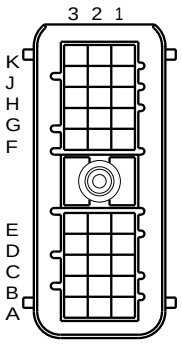
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INTEREST OF INTERNATIONAL TRUCK AND ENGINE CORPORATION.

ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

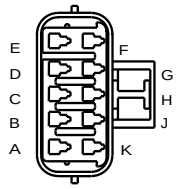
CTI ECU (4320)
(LOCATED BY LEFT FRAME RAIL)



CONNECTOR 3554089C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
K1	N22B	18	TN	3565443C1
K2	N22-GE	18	WH	3565443C1
K3	N98(+)	18	BK	3565443C1
J1	N22A	18	TN	3565443C1
J2	PLUG	-	-	-
J3	N98(-)	18	BK	3565443C1
H1	N22R	18	TN	3565443C1
H2	N22P	18	TN	3565443C1
H3	N22N	18	TN	3565443C1
G1	PLUG	-	-	-
G2	PLUG	-	-	-
G3	N22S	18	TN	3565443C1
F1	PLUG	-	-	-
F2	PLUG	-	-	-
F3	PLUG	-	-	-
E1	N22M	18	TN	3565443C1
E2	PLUG	-	-	-
E3	PLUG	-	-	-
D1	N22L	18	TN	3565443C1
D2	N22K	18	TN	3565443C1
D3	PLUG	-	-	-
C1	N3(+)	18	DKBL	3565443C1
C2	N3C(-)	18	GY	3565443C1
C3	PLUG	-	-	-
B1	N22H	18	TN	3565443C1
B2	N22F	18	TN	3565443C1
B3	N22J	18	TN	3565443C1
A1	PLUG	-	-	-
A2	PLUG	-	-	-
A3	PLUG	-	-	-

CTI PCU (4321)
(LOCATED BY LEFT FRAME RAIL)



CONNECTOR 3538635C1
BODY LOCK 3538636C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	N22GB	18	WH	1661875C1	1661872C1
B	N22F	18	TN	1661875C1	1661872C1
C	N22H	18	TN	1661875C1	1661872C1
D	N22J	18	TN	1661875C1	1661872C1
E	N22K	18	TN	1661875C1	1661872C1
F	N22-GC	18	WH	1661875C1	1661872C1
G	N22L	18	TN	1661875C1	1661872C1
H	N22-GD	18	WH	1661875C1	1661872C1
K	N22M	18	TN	1661875C1	1661872C1
J	PLUG	-	-	-	-

CTI PCU TRANSDUCER (4322)
(LOCATED BY LEFT FRAME RAIL)



CONNECTOR 1667741C1
BODY LOCK 1667771C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	N22N	18	TN	1661875C1	1661872C1
B	N22P	18	TN	1661875C1	1661872C1
C	N22R	18	TN	1661875C1	1661872C1

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
DLV1	18SEP09	INITIAL RELEASE.	A	61229V	310615	CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
					RELEASE NO. 61229V	DATE 09JUN09

PART NO. AE08058187 SHEET 063

Figure 299 Connector Composites (4320), (4321), (4322)

https://truckmanualshub.com/

13.67. CONNECTOR COMPOSITES (4323), (4328), (4410D), (4410E), P. 64

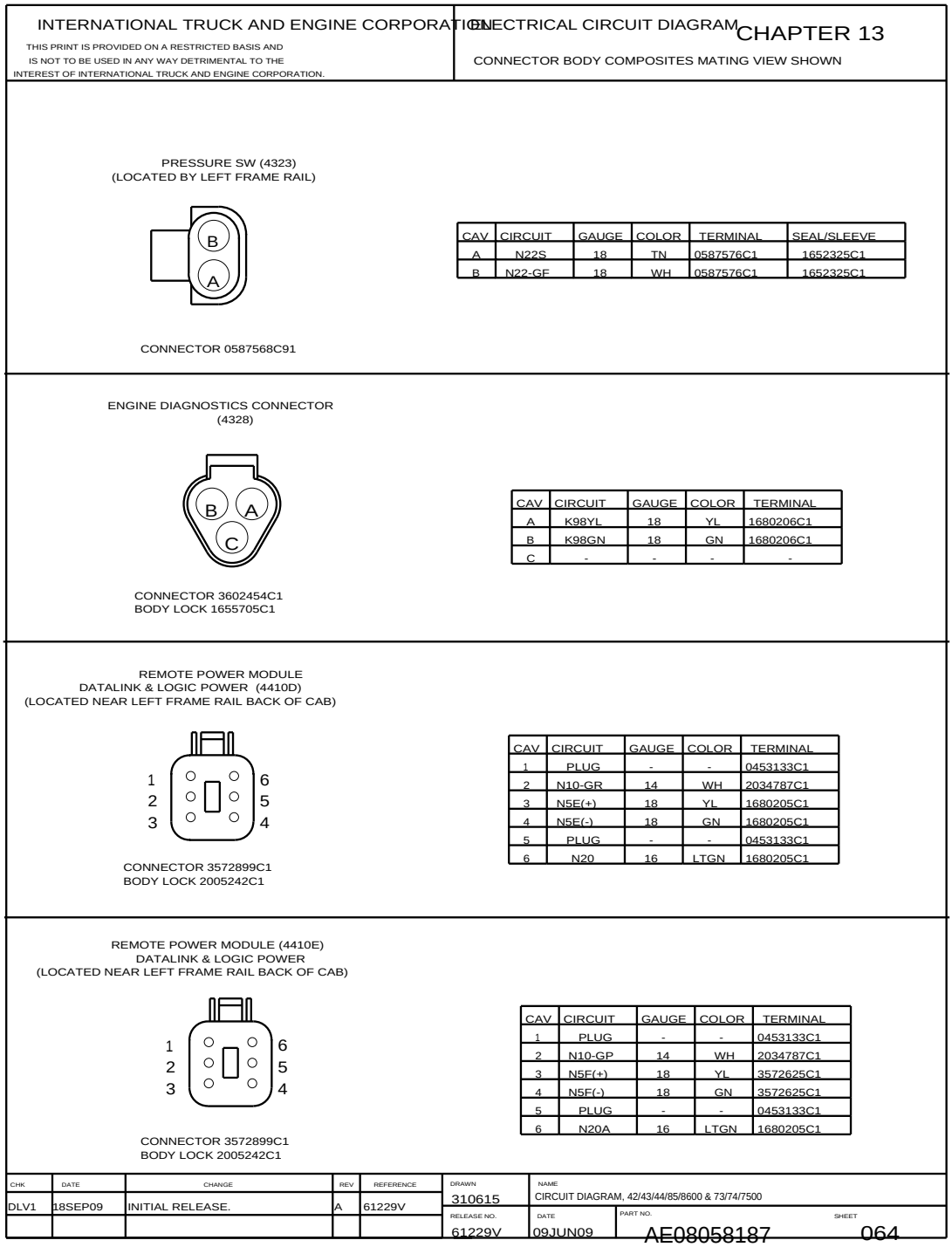


Figure 300 Connector Composites (4323), (4328), (4410D), (4410E)

https://truckmanualshub.com/

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

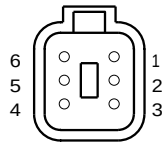
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ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

REMOTE POWER MODULE
DATALINK & LOGIC POWER (4410F)

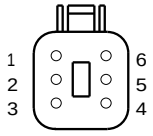


CONNECTOR 3572900C1
BODY LOCK 2005243C1

* FOR AIR SOLENOID

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	R59	14	GY	2034788C1
1*	R59C	14	GY	2034788C1
2	R10-GPM	14	WH	2034788C1
2*	R10-GPN	14	WH	2034788C1
3	R1(+)	18	YL	3572626C1
3*	R1A(+)	18	YL	3572626C1
4	R1(-)	18	GN	3572626C1
4*	R1A(-)	18	GN	3572626C1
5	PLUG	-	-	0453133C1
6	R14	16	RD	1680206C1
6*	R14D	16	RD	1680206C1

REMOTE POWER MODULE (4410H)
DATALINK & LOGIC POWER
(LOCATED BETWEEN CENTER
CHASSIS AND REAR CHASSIS)

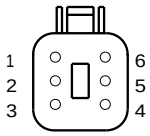


CONNECTOR 3572899C1
BODY LOCK 2005242C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	PLUG	-	-	0453133C1
2*	N10-GR	14	WH	2034787C1
2	N10-GP	14	WH	2034787C1
3	N5F(+)	18	YL	1680205C1
3*	N5E(+)	18	YL	1680205C1
4	N5F(-)	18	GN	1680205C1
4*	N5E(-)	18	GN	1680205C1
5	PLUG	-	-	0453133C1
6*	N20	16	LTGN	1680205C1
6	N20A	16	LTGN	1680205C1

* FOR RPU EOF DATALINK

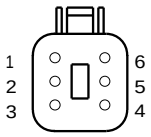
2ND AIR SOLENOID 7-PAK (4410K)
(LOCATED INSIDE LEFT FRAME RAIL UNDER CAB)



CONNECTOR 3572899C1
BODY LOCK 2005242C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	R59C	14	GY	2034787C1
2	R10-GPN	14	WH	2034787C1
3	R1A(+)	18	YL	3572625C1
4	R1A(-)	18	GN	3572625C1
5	PLUG	-	-	0453133C1
6	R14D	16	RD	3572625C1

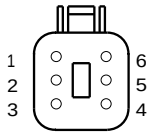
1ST AIR SOLENOID 7-PAK (4410L)
(LOCATED INSIDE LEFT FRAME RAIL UNDER CAB)



CONNECTOR 3572899C1
BODY LOCK 2005242C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	R59D	14	GY	2034787C1
2	R10-GPP	14	WH	2034787C1
3	R1B(+)	18	YL	1680205C1
4	R1B(-)	18	GN	1680205C1
5	PLUG	-	-	0453133C1
6	R14E	16	RD	1680205C1

BODY BUILDER CONNECTION (4410M)
(LOCATED NEAR END OF FRAME)



CONNECTOR 3572899C1
BODY LOCK 2005242C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	R59D	14	GY	2034787C1
1*	R59	14	GY	2034787C1
2	R10-GPP	14	WH	2034787C1
2*	R10-GPM	14	WH	2034787C1
3	R1B(+)	18	YL	3572625C1
3*	R1(+)	18	YL	3572625C1
4	R1B(-)	18	GN	3572625C1
4*	R1(-)	18	GN	3572625C1
5	PLUG	-	-	0453133C1
6	R14E	16	RD	1680205C1
6*	R14	16	RD	1680205C1

* POWER UNIT EOF

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
DLV1	28APR10	R/D 4410H:CIRC N10-GR	B	62476L	310615	CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
	WAS N10-GS.				RELEASE NO. 61229V	DATE 09JUN09

PART NO. AE08058187 SHEET 065

Figure 301 Connector Composites (4410F), (4410H), (4410K), (4410L), (4410M)

https://truckmanualshub.com/

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

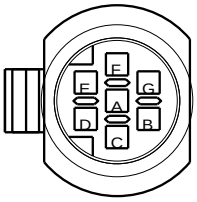
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ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

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

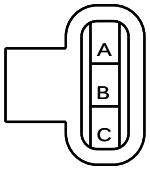


CONNECTOR 2039311C91
BODY LOCK 2039342C1

* MUTUALLY EXCLUSIVE

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

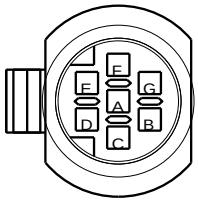
BODY BUILDER TURN / STOP (4450BM)
(LOCATED BETWEEN CENTER CHASSIS AND REAR CHASSIS)



CONNECTOR 1686834C1
BODY LOCK 1664408C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	R56BC	16	OR	2033819C1	1652325C1
B	R57BC	16	OR	2033819C1	1652325C1
C	R70BB	14	OR	2033816C1	0589391C1

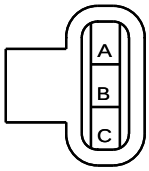
BODY BUILDER CONNECTION (4450M)
(LOCATED NEAR LEFT FRAME RAIL BACK OF CAB)



CONNECTOR 2039311C91
BODY LOCK 2039342C1

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

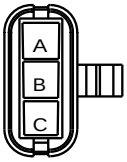
BODY BUILDER TURN / STOP (4460AM)
(LOCATED BETWEEN CENTER CHASSIS AND REAR CHASSIS)



CONNECTOR 1686834C1
BODY LOCK 1664408C1

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

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



CONNECTOR 3553961C1
BODY LOCK 3554019C1

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

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
DLV1	28APR10	ADDED CIRC N68BB,	B	62476L	310615	CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
		N54BB,N12BB TO R/D 4450AM.			RELEASE NO. 61229V	DATE 09JUN09

PART NO. AE08058187 SHEET 066

Figure 302 Connector Composites (4450AM), (4450BM), (4450M), (4460AM), (4460BF)

https://truckmanualshub.com/

13.70. CONNECTOR COMPOSITES (4460BM/4450BF), (4460M), (4500), (4705), P. 67

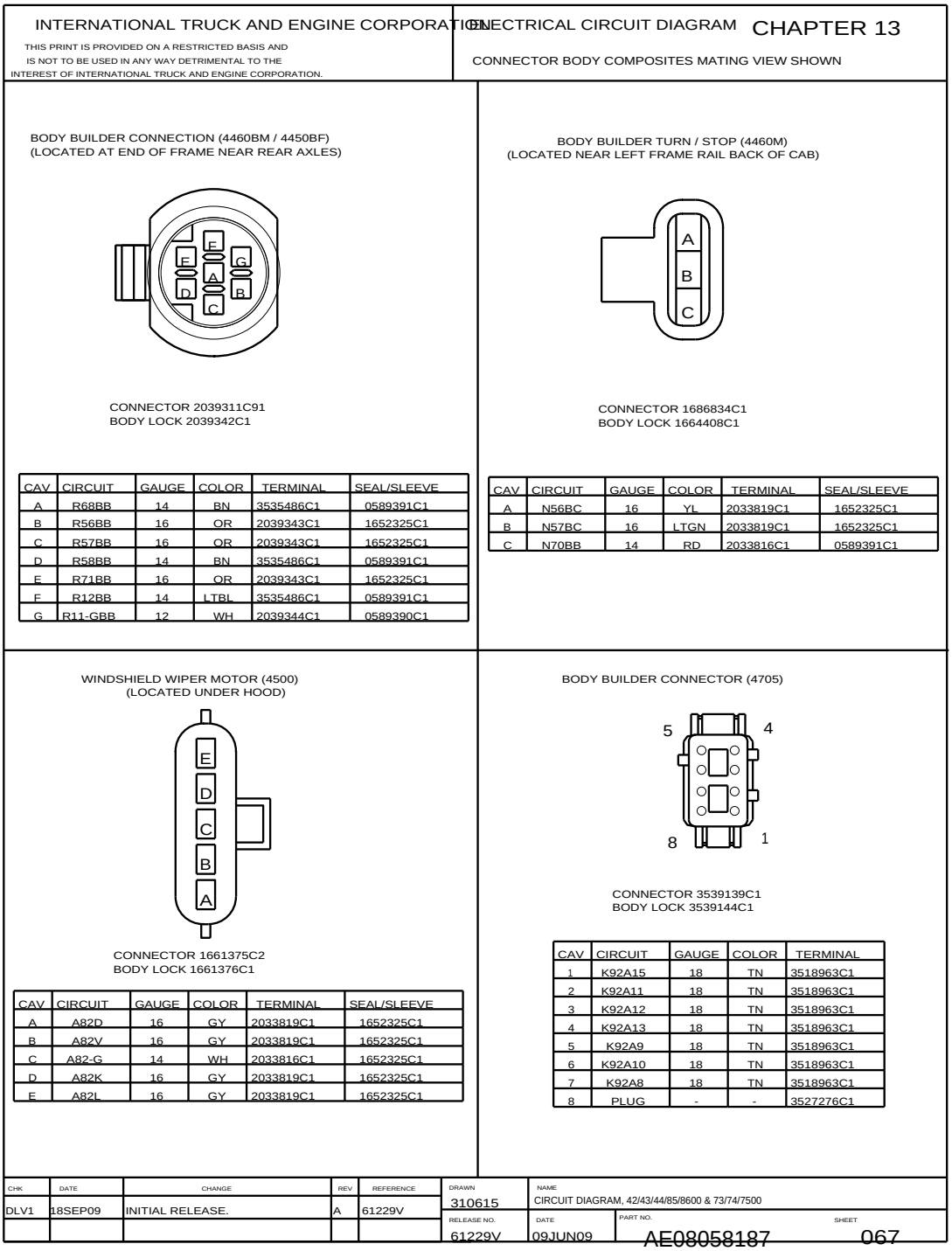


Figure 303 Connector Composites (4460BM/4450BF), (4460M), (4500), (4705)

https://truckmanualshub.com/

13.71. CONNECTOR COMPOSITES (4705), (4706), (4905), (4906), P. 68

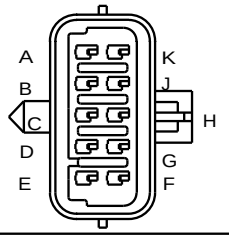
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ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

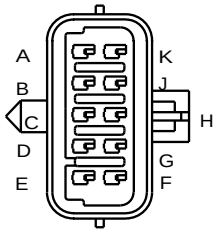
BODY BUILDER CONNECTOR
(4705)



CONNECTOR 3538634C1
BODY LOCK 3538636C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	K92A15	18	TN	1667742C1	1661872C1
B	K92A11	18	TN	1667742C1	3568570C1
C	K92A12	18	TN	1667742C1	3568570C1
D	K92A13	18	TN	1667742C1	3568570C1
E	K92A9	18	TN	1667742C1	3568570C1
F	K92A10	18	TN	1667742C1	3568570C1
G	K92A8	18	TN	1667742C1	3568570C1
H	K92A16	18	TN	1667742C1	3568570C1
J	K92A17	18	TN	1667742C1	3568570C1
K	PLUG	-	-	2025431C1	-

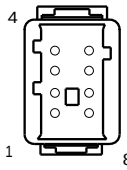
BODY BUILDER CONNECTOR
(4706)



CONNECTOR 3538634C1
BODY LOCK 3538636C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	K92A5	18	TN	1661875C1	3568570C1
B	K92A4	18	TN	1661875C1	1661872C1
C	K92A3	18	TN	1661875C1	3568570C1
D	K92A14	18	TN	1661875C1	3568570C1
E	K92A2	18	TN	1661875C1	3568570C1
F	K92A6	18	TN	1661875C1	3568570C1
G	K92A7	18	TN	1661875C1	3568570C1
H	K92A1	18	TN	1661875C1	3568570C1
J	PLUG	-	-	2025431C1	-
K	PLUG	-	-	2025431C1	-

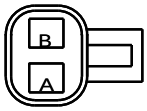
BODY BUILDER CONNECTOR 2 (4706)



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

AIR PARK SOLENOID (4905)
(LOCATED ON EXTERIOR DASH NEAR DCM)

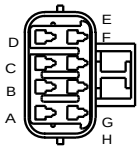


CONNECTOR 1671610C1
BODY LOCK 1671608C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	M44Y	16	GY	2033819C1	1652325C1
B*	M44W	16	WH	2033819C1	1652325C1
B*	M44-GW	16	WH	2033819C1	1652325C1

* MUTUALLY EXCLUSIVE

WHEEL CHAIR INTERLOCK (4906)
(LOCATED ON EXTERIOR DASH NEAR
IP / FORWARD PASSTHRU)



CONNECTOR 3525872C1
BODY LOCK 3525873C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	M44W	16	WH	1661875C1	1661872C1
B	M92#101	18	TN	1661875C1	3568570C1
C	PLUG	-	-	202543C1	-
D	M92#103	18	TN	1661875C1	3568570C1
E	M11-GW	16	WH	1661875C1	1661872C1
F	PLUG	-	-	202543C1	-
G	M89AR	18	PK	1661875C1	3568570C1
H	M89CE	18	PL	1661875C1	3568570C1

CHK	DATE	CHANGE	REV	REFERENCE
DLV1	28APR10	ADDED CONN 4705 AND	B	62476L
	4706.			

DRAWN 310615
NAME CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
RELEASE NO. 61229V
DATE 09JUN09
PART NO. AE08058187
SHEET 068

Figure 304 Connector Composites (4705), (4706), (4905), (4906)

https://truckmanualshub.com/

13.72. CONNECTOR COMPOSITES (4906C), (4950), (4951), (6003), (6004), P. 68A

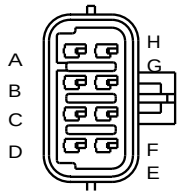
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ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

WHEEL CHAIR INTERLOCK (4906C)
(LOCATED ON EXTERIOR DASH NEAR FORWARD /IP PASS THRU)



CONNECTOR 3525874C1
BODY LOCK 3525875C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	M44J	18	WH	1667742C1	1661872C1
B	M92C	18	TN	1667742C1	1661872C1
C	PLUG	-	-	202543C1	-
D	M92C	18	TN	1667742C1	1661872C1
E	M44J	18	WH	1667742C1	1661872C1
F	PLUG	-	-	202543C1	-
G	PLUG	-	-	202543C1	-
H	PLUG	-	-	202543C1	-

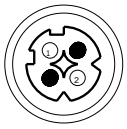
BENDIX AUTO TRACTION CONTROL (4950)
(LOCATED AT END OF FRAME AT REAR AXLE)



CONNECTOR 3518183C1
BODY LOCK 3518174C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	R94BD	16	BN	3518961C1
2	R94BE	16	YL	3518961C1

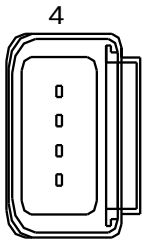
WABCO AUTO TRACTION CONTROL (4951)
(LOCATED AT END OF FRAME AT REAR AXLE)



CONNECTOR 3567225C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	[R94WX]	18	BN	ASSY
2	[R94WZ]	18	BL	ASSY

FORWARD / CENTER HAVC
TEMPERATURE SENDER / AC REMOTE (6003)
(LOCATED AT BOTTOM OF RECIRCULATION SHIELD)

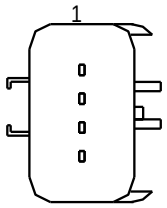


CONNECTOR 3820176C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	M41	18	GY	3613771C1
2*	M110AD	18	GY	3613771C1
2*	M110AA	18	GY	3613771C1
3	M77	18	BK	3613771C1
4	M77A	18	BK	3613771C1

* MUTUALLY EXCLUSIVE

CENTER / FORWARD HVAC
TEMPERATURE SENSOR / AC REMOTE
(6004)
(LOCATED AT BOTTOM OF RECIRCULATION SHIELD)



CONNECTOR 3820175C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	N41A	18	GY	3618272C1
2	N109A	18	GY	3618272C1
3	N77E	18	LTGN	3618272C1
4	N77F	18	LTGN	3618272C1

CHK	DATE	CHANGE	REV	REFERENCE
DLV1	28APR10	INITIAL RELEASE.	A	62476L

DRAWN 360070
NAME CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
RELEASE NO. 62476L
DATE 19NOV09
PART NO. AE08058187
SHEET 68A

Figure 305 Connector Composites (4906C), (4950), (4951), (6003), (6004)

https://truckmanualshub.com/

13.73. CONNECTOR COMPOSITES (6005), (6007), (6008), (6009), P. 68B

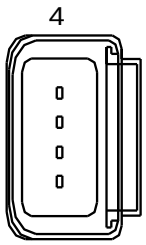
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ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

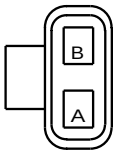
FORWARD / CENTER HAVC TEMPERATURE SENDER / AC REMOTE (6005) (LOCATED AT BOTTOM OF RECIRCULATION SHIELD)



CONNECTOR 3820176C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	M41	18	GY	3613771C1
2	M110AD	18	GY	3613771C1
3	M77	18	BK	3613771C1
4	M77A	18	BK	3613771C1

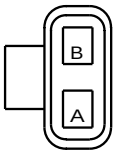
AC REMOTE CONDENSOR (6007)



CONNECTOR 3512967C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A	N77B	12	RD	3679001C1
2	N77J	12	RD	3679001C1

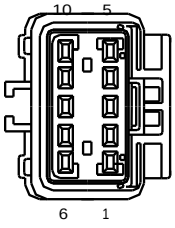
AC REMOTE CONDENSOR (6008)



CONNECTOR 3512967C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A	N77A	12	RD	3679001C1
B	N77H	12	RD	3679001C1

AC REMOTE CONDENSOR DAY CAB (6009)



CONNECTOR 3690369C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	N77K	14	LTGN	3613770C1
2	N77E	18	LTGN	3613771C1
3	N77L	14	LTGN	3613770C1
4	-	-	-	-
5	N77C	18	LTGN	3613771C1
6	N77-GB	14	LTGN	3613770C1
7	N77F	18	LTGN	3613771C1
8	N77-GC	14	LTGN	3613770C1
9	-	-	-	-
10	N77D	18	LTGN	3613771C1

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
DLV1	28APR10	INITIAL RELEASE.	A	62476L	360070	CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
					RELEASE NO. 62476L	DATE 19NOV09

PART NO. AE08058187 SHEET 68B

Figure 306 Connector Composites (6005), (6007), (6008), (6009)

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13.74. CONNECTOR COMPOSITES (6011), P. 69

NAVISTAR, INC

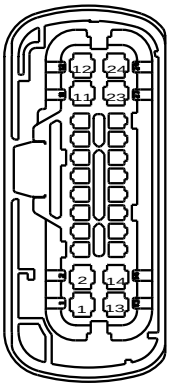
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ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

ENGINE / MELROSE (6011)
(LOCATED ON THE LEFT SIDE OF ENGINE)

WITH I6 ENGINE

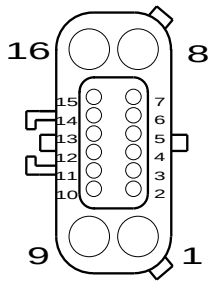


CONNECTOR 3857801C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	K97AZ	14	PL	3613770C1
2	K19-BA	14	GY	3613770C1
3*	K97A-G	18	PL	3857802C1
3*	K97A-G	18	WH	3857802C1
4	K97AS	18	PL	3857802C1
5	K97KG	20	PL	3860055C1
6	K97KH	20	PL	3860055C1
7	K97KJ	20	PL	3860055C1
8	K97KK	20	PL	3860055C1
9	K97KL	20	PL	3860055C1
10	K97KM	20	PL	3860055C1
11	K19-G	14	GY	3613770C1
12	K97-GB	14	WH	3613770C1
13	K97UC	16	PL	3613770C1
14	K97AX	18	PL	3613771C1
15	K97KN	20	PL	3860055C1
16	K97KP	20	PL	3860055C1
17	K97KR	20	PL	3860055C1
18	K97KS	20	PL	3860055C1
19	K97KT	20	PL	3860055C1
20	K97KV	16	PL	3857802C1
21	PLUG	–	–	–
22	PLUG	–	–	–
23	K97B-G	16	WH	3613770C1
24	PLUG	–	–	–

ENGINE / MELROSE (6011)
(LOCATED ON THE LEFT SIDE OF ENGINE)

WITH V8 ENGINE



CONNECTOR 3849648C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
1	K19-GM	14	GY	3850092C1	3578677C1
2	–	–	–	–	–
3	–	–	–	–	–
4	PLUG	–	–	–	–
5	–	–	–	–	–
6	K97T	18	PL	3849648C1	–
7	–	–	–	–	–
8	K19BA	14	GY	3850092C1	3578677C1
9	K97-GH	14	WH	3850092C1	3578677C1
10	–	–	–	–	–
11	–	–	–	–	–
12	–	–	–	–	–
13	–	–	–	–	–
14	–	–	–	–	–
15	–	–	–	–	–
16	K97NC	14	PL	3850092C1	3578677C1

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
CNA1	30SEP10	REF 6011 WAS 3839377C1	C	68076W	310615	CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
		REF 6012,1013 MOVED TO SH 69A.			RELEASE NO. 61229V	DATE 09JUN09

PART NO. AE08058187 SHEET 069

Figure 307 Connector Composites (6011)

https://truckmanualshub.com/

13.75. CONNECTOR COMPOSITES (6012), (6013), P. 69A

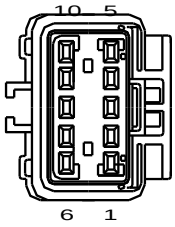
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ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

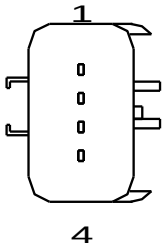
AC REMOTE CONDENSER EXT / CREW CAB
(6012)



CONNECTOR 3690369C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	N77K	14	LTGN	3613770C1
2	N77E	18	LTGN	3613771C1
3	N77L	14	LTGN	3613770C1
4	PLUG	–	–	3573076C1
5	N77C	18	LTGN	3613771C1
6	N77-GB	14	LTGN	3613770C1
7	N77F	18	LTGN	3613771C1
8	N77-GC	14	LTGN	3613770C1
9	PLUG	–	–	3573076C1
10	N77D	18	LTGN	3613771C1

CENTER / REAR HVAC TEMP SENDER
(6013)



CONNECTOR 3820175C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	N41A	18	GY	3618272C1
2	N109A	18	GY	3618272C1
3	PLUG	–	–	3573076C1
4	PLUG	–	–	3573076C1

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
CNA1	30SEP10	INITIAL RELEASE.	A	68076W	U00LXD2	CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
					RELEASE NO. 68076W	DATE 14SEP10

PART NO. AE08058187 SHEET 69A

Figure 308 Connector Composites (6012), (6013)

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13.76. CONNECTOR COMPOSITES (6018) P. 70

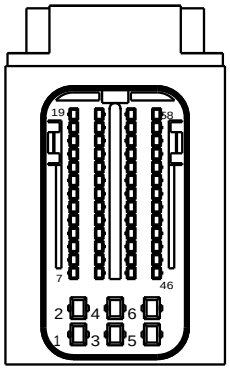
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ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITE - MATING VIEW SHOWN

ECM CONNECTOR
(6018)
(LOCATED ON LEFT SIDE OF ENGINE)



CONNECTOR 3687798C1
BODY LOCK1 3687805C1
BODY LOCK2 3687806C1

* W/ VARIABLE SPEED FAN
\# W/ 2 SPEED FAN
@ W/ MANUAL TRANSMISSION
** W/ ULTRASHIFT & AUTOSHIFT TRANSMISSION
W/ ALLISON TRANSMISSION

CAV	CIR	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
1	K14G	14	RD	3687802C1	3624233C1
2	K92A16	14	WH	3687802C1	3624233C1
3	K14HA	14	RD	3687802C1	3624233C1
4	K92BA16	14	WH	3687802C1	3624233C1
5	K14KA	14	RD	3687802C1	3624233C1
6	K92C16	14	WH	3687802C1	3624233C1
7	PLUG	-	-	3623614C1	-
8	K34-GA	18	WH	3687804C1	-
9	K41-GA	18	WH	3687804C1	-
10	K95-GC	18	WH	3687804C1	-
11	K97N	18	PL	3687804C1	-
12	K95E	18	TN	3687804C1	-
13	K92A5	18	TN	3687804C1	-
14	PLUG	-	-	3623614C1	-
15	K41A	18	TN	3687804C1	-
16	K95B	18	TN	3687804C1	-
17	K13A	18	PK	3687804C1	-
18*	K23-G	18	TN	3687804C1	-
18#	K23-G	18	WH	3687804C1	-
19	K14L	18	RD	3687804C1	-
20	K41C	18	TN	3687804C1	-
21	K41-GB	18	WH	3687804C1	-
22	K95-GA	18	WH	3687804C1	-
23	K97B	18	PL	3687804C1	-
24	K92A3	18	TN	3687804C1	-
25	K95V	18	TN	3687804C1	-
26	K95T	18	TN	3687804C1	-
27	K95C	18	TN	3687804C1	-
28	K95A	18	TN	3687804C1	-
29	PLUG	-	-	3623614C1	-
30*	K23	18	TN	3687804C1	-
30#	K23	18	TN	3687804C1	-

CAV	CIR	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
31	PLUG	-	-	3623614C1	-
32	PLUG	-	-	3623614C1	-
33	K95VC	18	TN	3687804C1	-
34@	K5S(+)	18	YL	3687804C1	-
34**	K5S(+)	18	YL	3687804C1	-
34##	K5S128	18	YL	3687804C1	-
35	K98GN	18	GN	3687804C1	-
36	K97C	18	PL	3687804C1	-
37	PLUG	-	-	3623614C1	-
38	PLUG	-	-	3623614C1	-
39	K95VE	18	TN	3687804C1	-
40	K95VIR	18	WH	3687804C1	-
41	K95-GE	18	WH	3687804C1	-
42*	K23	18	TN	3687804C1	-
42#	K23	18	TN	3687804C1	-
43	PLUG	-	-	3623614C1	-
44	K41B	18	TN	3687804C1	-
45	PLUG	-	-	3623614C1	-
46	K95VB	18	TN	3687804C1	-
47@	K5S(-)	18	GN	3687804C1	-
47**	K5S(-)	18	GN	3687804C1	-
47##	K5S108	18	TN	3687804C1	-
48	K98YL	18	YL	3687804C1	-
49	K34BB	18	TN	3687804C1	-
50	K99D	18	PL	3687804C1	-
51	PLUG	-	-	3623614C1	-
52	K95VA	18	TN	3687804C1	-
53	K95VD	18	TN	3687804C1	-
54	PLUG	-	-	3623614C1	-
55	K95-GB	18	WH	3687804C1	-
56	K92A17	18	TN	3687804C1	-
57	K92A16	18	TN	3687804C1	
58	K23C	18	TN	3687804C1	-

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
DLV1	28APR10	ADDED K23,K23-G,	B	62476L	310615	CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
	K92A3,K92A16,K92A17.				RELEASE NO. 61229V	DATE 09JUN09

PART NO. AE08058187 SHEET 070

Figure 309 Connector Composites (6018)

https://truckmanualshub.com/

13.77. CONNECTOR COMPOSITES (6019), P. 71

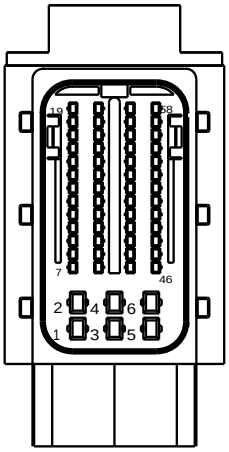
NAVISTAR, INC

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ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITE - MATING VIEW SHOWN

ECM CONNECTOR
(6019)
(LOCATED ON LEFT SIDE OF ENGINE)



CONNECTOR 3687797C1
BODY LOCK1 3687805C1
BODY LOCK1 3687806C1

* MUTUALLY EXCLUSIVE
** W/ VARIABLE SPEED FAN
\#\# W/ TWO SPEED FAN

CAV	CIR	GAUGE	COLOR	TERMINAL
1	K14M	14	RD	3687802C1
2	K92D16	14	WH	3687802C1
3	PLUG	-	-	3623614C1
4	PLUG	-	-	3623614C1
5	PLUG	-	-	3623614C1
6	PLUG	-	-	3623614C1
7	K95K	18	TN	3687804C1
8	K95D	18	TN	3687804C1
9	K92A8	18	TN	3687804C1
10	K92A7	18	TN	3687804C1
11	PLUG	-	-	3623614C1
12	PLUG	-	-	3623614C1
13	K92A1	18	TN	3687804C1
14	PLUG	-	-	3623614C1
15	K92A6	18	TN	3687804C1
16	K97Y	18	TN	3687804C1
17	K92A14	18	TN	3687804C1
18	PLUG	-	-	3623614C1
19	PLUG	-	-	3623614C1
20	K95M	18	TN	3687804C1
21	PLUG	-	-	3623614C1
22	PLUG	-	-	3623614C1
23	K92A9	18	TN	3687804C1
24	PLUG	-	-	3623614C1
25	PLUG	-	-	3623614C1
26	PLUG	-	-	3623614C1
27	PLUG	-	-	3623614C1
28	K92A2	18	TN	3687804C1
29	PLUG	-	-	3623614C1
30*	K92A10	18	TN	3687804C1
30*	K47T	18	GY	3687804C1

CAV	CIR	GAUGE	COLOR	TERMINAL
31	PLUG	-	-	3623614C1
32	PLUG	-	-	3623614C1
33	PLUG	-	-	3623614C1
34*	K95-GF	18	WH	3687804C1
34*	K95-GF	18	WH	3687804C1
35	K92A12	18	TN	3687804C1
36	PLUG	-	-	3623614C1
37*	K95W	18	TN	3687804C1
37*	K95W	18	TN	3687804C1
38	PLUG	-	-	3623614C1
39	PLUG	-	-	3623614C1
40	PLUG	-	-	3623614C1
41	K95-GD	18	WH	3687804C1
42	K95R	18	TN	3687804C1
43	K41-G	18	WH	3687804C1
44	PLUG	-	-	3623614C1
45	PLUG	-	-	3623614C1
46	PLUG	-	-	3623614C1
47	PLUG	-	-	3623614C1
48	K92A11	18	TN	3687804C1
49**	K34D	18	TN	3687804C1
49##	K34D	18	TN	3687804C1
50	K95S	18	TN	3687804C1
51	PLUG	-	-	3623614C1
52	K92A13	18	TN	3687804C1
53	PLUG	-	-	3623614C1
54	K99B	18	PL	3687804C1
55	K97M	18	PL	3687804C1
56	PLUG	-	-	3623614C1
57	PLUG	-	-	3623614C1
58	PLUG	-	-	3623614C1

CHK	DATE	CHANGE	REV	REFERENCE
DLV1	28APR10	RMVD K92A2,K97Z;	B	62476L
		RVSD:CAV 28,34,37.		

DRAWN 310615
RELEASE NO. 61229V
NAME CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
DATE 09JUN09
PART NO. AE08058187
SHEET 071

Figure 310 Connector Composites (6019)

https://truckmanualshub.com/

13.78. CONNECTOR COMPOSITES (6020M), P. 72

NAVISTAR, INC

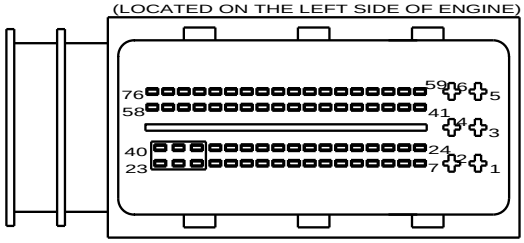
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ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

ECM (6020M)
(LOCATED ON THE LEFT SIDE OF ENGINE)

W/ I6 NGINE



CONNECTOR 3612247C1
BODY LOCK1 3612248C1
BODY LOCK2 3612249C1

@ W/ ALLISON
W/ MANUAL XMSN
@@ W/ GEN4
** W/ EATON AUTOSHIFT
* MUTUALLY EXCLUSIVE
W/ ALLISON W/ AUTO NEUTRAL
% W/ ENGINE BODY CONTROL - 12VYL
(ACC WIRING SPECIAL ROAD SPEED WIRE)
%% W/ ENGINE BODY CONTROL - 12VZA
(REMOTE CONTROL PTO MAXFORCE ENGINES)

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
1	K97FA	14	PL	3613275C1	3509903C1
2	K97-GV	14	WH	3613275C1	3509903C1
3	K97FB	14	PL	3613275C1	3509903C1
4	K97-GW	14	WH	3613275C1	3509903C1
5	K97FC	14	PL	3613275C1	3509903C1
6	K97-GX	14	WH	3613275C1	3509903C1
7*	K17M	18	PK	3612254C1	–
7*	K17L	18	PK	3612254C1	–
8	K95K	18	TN	3612254C1	–
9	K97FT	18	PL	3612253C1	–
10@	K3A(-)	18	GY	3612254C1	–
10**	K3AB(-)	18	GY	3612254C1	–
11	K97XC	18	PL	3612254C1	–
12	PLUG	–	–	3612253C1	–
13	PLUG	–	–	3612253C1	–
14	PLUG	–	–	3612253C1	–
15	PLUG	–	–	3612253C1	–
16	K97CB	18	PL	3612254C1	–
17	K95J	18	TN	3612254C1	–
18	PLUG	–	–	3612253C1	–
19	K95H	18	TN	3612254C1	–
20	PLUG	–	–	3612253C1	–
21	K97SE	18	PL	3612254C1	–
22	K97EW	18	PL	3612254C1	–
23	PLUG	–	–	3612253C1	–
24	PLUG	–	–	3612253C1	–
25@	K3A(+)	18	DKBL	3612254C1	–
25**	K3AB(+)	18	DKBL	3612254C1	–
26	K97AX	18	PL	3612254C1	–
27%%	K97FV	18	PL	3612254C1	–
28	PLUG	–	–	3612253C1	–
29	K97E	18	PL	3612254C1	–
30	PLUG	–	–	3612253C1	–
31	K97UB	18	PL	3612254C1	–
32	PLUG	–	–	3612253C1	–
33	K99B	18	PL	3612254C1	–
34	K97B	18	PL	3612254C1	–
35%	K97WA	18	PL	3612254C1	–
36	K97WB	18	PL	3612253C1	–
37	K97ZD	18	PL	3612254C1	–
38	PLUG	–	–	3612253C1	–
39	PLUG	–	–	3612253C1	–
40	PLUG	–	–	3612253C1	–

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
41	PLUG	–	–	3612253C1	–
42*	K34A	18	TN	3612254C1	–
42*	K34B	18	TN	3612254C1	
43	PLUG	–	–	3612253C1	–
44	PLUG	–	–	3612253C1	–
45	K97UD	18	GY	3612254C1	–
46	PLUG	–	–	3612253C1	–
47	PLUG	–	–	3612253C1	–
48	K97M	18	PL	3612254C1	–
49	K46A	18	GY	3612254C1	–
50	K99F	18	PL	3612254C1	–
51	K95	18	TN	3612254C1	–
52	PLUG	–	–	3612253C1	–
53	K47A	18	GY	3612254C1	–
54#	K47	18	GY	3612254C1	–
54@	K47#125	18	TN	3612254C1	–
54*	K47B125	18	TN	3612254C1	–
54*	K47A125	18	TN	3612254C1	–
55	PLUG	–	–	3612253C1	–
56	PLUG	–	–	3612253C1	–
57	PLUG	–	–	3612253C1	–
58	K23B	18	TN	3612254C1	–
59	PLUG	–	–	3612253C1	–
60	K97CC	18	PL	3612254C1	–
61	K5B(+)	18	YL	3612254C1	–
62	K5B(-)	18	GN	3612254C1	–
63	K97C	18	PL	3612254C1	–
64	PLUG	–	–	3612253C1	–
65#	K17E	18	PK	3612254C1	–
65**	K17F	18	PK	3612254C1	–
65@@	K92#141	18	TN	3612254C1	–
65##	K17B	18	PK	3612254C1	–
66	PLUG	–	–	3612253C1	–
67	K95L	18	TN	3612254C1	–
68	K46B	18	GY	3612254C1	–
69	PLUG	–	–	3612253C1	–
70	K97J	18	PL	3612254C1	–
71	K97AR	18	PL	3612254C1	–
72%%	K47B	18	GY	3612254C1	–
72%	K47T	18	GY	3612254C1	–
73	PLUG	–	–	3612253C1	–
74	PLUG	–	–	3612253C1	–
75	PLUG	–	–	3612253C1	–
76	K97KU	18	PL	3612253C1	–

CHK	DATE	CHANGE	REV	REFERENCE
CNA1	30SEP10	CHARTS REVISED.	C	68076W

DRAWN 310615
RELEASE NO. 61229V
NAME CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
DATE 09JUN09
PART NO. AE08058187
SHEET 072

Figure 311 Connector Composites (6020M)

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13.79. CONNECTOR COMPOSITES (6020M), P. 72A

NAVISTAR, INC

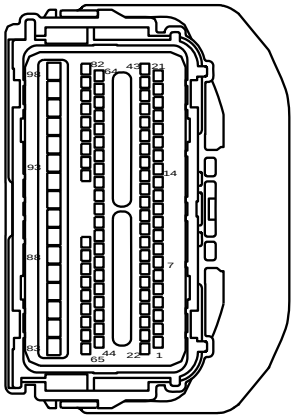
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ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

W/ V8 NGINE

ECM (6020M)
(LOCATED ON THE LEFT SIDE OF ENGINE)



CONNECTOR 6086794C1

* W/ MANUAL XMSN
@ W/ GEN4
& W/ AUTO NEUTRAL
MUTUALLY EXCLUSIVE
@@ W/ ALLISION XMSN

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	K5G(+)	18	YL	6086793C1
2	PLUG	–	–	6086793C1
3	PLUG	–	–	6086793C1
4	K97B	18	PL	6086791C1
5	K97NN	18	TN	6086791C1
6	K97M	18	PL	6086791C1
7	K95KK	18	TN	6086791C1
8	K34AA	18	TN	6086791C1
9	K97T	18	PL	6086791C1
10	PLUG	–	–	6086793C1
11	PLUG	–	–	6086793C1
12	PLUG	–	–	6086793C1
13	K97CC	18	PL	6086791C1
14	K59A	18	GY	6086793C1
15	PLUG	–	–	6086793C1
16	PLUG	–	–	6086793C1
17	PLUG	–	–	6086793C1
18	PLUG	–	–	6086793C1
19	PLUG	–	–	6086793C1
20	PLUG	–	–	6086791C1
21	PLUG	–	–	6086793C1
22	K5G(-)	18	GN	6086793C1
23	PLUG	–	–	6086793C1
24	PLUG	–	–	6086793C1
25	K95C	18	PL	6086791C1
26	K97JT	18	TN	6086791C1
27	PLUG	–	–	6086791C1
28	PLUG	–	–	6086793C1
29	K95LL	18	TN	6086793C1
30	PLUG	–	–	6086791C1
31	K3A(-)	18	GY	6086791C1
32	K3A(+)	18	DKBL	6086791C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
33	PLUG	–	–	6086793C1
34	K97XC	18	PL	6086791C1
35	K97SE	18	PL	6086791C1
36	PLUG	–	–	6086793C1
37	PLUG	–	–	6086793C1
38	PLUG	–	–	6086793C1
39	PLUG	–	–	6086793C1
40	PLUG	–	–	6086793C1
41	K97EW	18	PL	6086791C1
42	PLUG	–	–	6086793C1
43	PLUG	–	–	6086793C1
44	PLUG	–	–	6086793C1
45	PLUG	–	–	6086793C1
46	K97WA	18	PL	6086791C1
47	K97WC	18	PL	6086791C1
48	K47A	18	GY	6086791C1
49	PLUG	–	–	6086793C1
50	PLUG	–	–	6086793C1
51	K95HH	18	TN	6086791C1
52	PLUG	–	–	6086793C1
53	K5B(+)	18	YL	6086791C1
54	K5B(-)	18	GN	6086791C1
55	PLUG	–	–	6086793C1
56	PLUG	–	–	6086793C1
57	PLUG	–	–	6086793C1
58	K23C	18	TN	6086791C1
59	PLUG	–	–	6086793C1
60*	K17E	18	PK	6086791C1
60&	K17B	18	PK	6086791C1
60@	K92#141	18	TN	6086791C1

CHART CONTINUED ON SHEET 72B

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
CNA1	30SEP10	CHARTS REVISED.	B	68076W	310775	CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
					RELEASE NO. 62476L	DATE 10DEC09
						PART NO. AE08058187
						SHEET 72A

Figure 312 Connector Composites (6020M)

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13.80. CONNECTOR COMPOSITES (6020M), P. 72B

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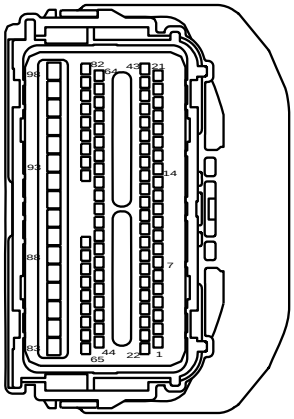
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

W/ V8 NGINE

CHART CONTINUED FROM SHEET 72A

ECM (6020M)
(LOCATED ON THE LEFT SIDE OF ENGINE)



CONNECTOR 6086794C1

* W/ MANUAL XMSN
@ W/ GEN4
& W/ AUTO NEUTRAL
MUTUALLY EXCLUSIVE
@@ W/ ALLISION XMSN

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
63	K97JC	18	PL	6086791C1
64	K17M	18	PK	6086791C1
65	PLUG	–	–	6086793C1
66	PLUG	–	–	6086793C1
67	K97FU	18	PL	6086791C1
68	K97FV	18	PL	6086791C1
69*	K47	18	GY	6086791C1
69@@	K47A125	18	TN	6086791C1
69#	K47B125	18	TN	6086791C1
69#	K47#125	18	TN	6086791C1
70	PLUG	–	–	6086793C1
71	PLUG	–	–	6086793C1
72	K99B	18	PL	6086791C1
73	K95JJ	18	TN	6086793C1
74	K99F	18	PL	6086791C1
75	K46A	18	GY	6086791C1
76	PLUG	–	–	6086793C1
77	K46B	18	GY	6086791C1
78	PLUG	–	–	6086793C1
79	K97CB	18	PL	6086791C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
80	PLUG	–	–	6086793C1
81	PLUG	–	–	6086793C1
82	PLUG	–	–	6086793C1
83	K97ND	16	PL	3686944C1
84	K97NE	16	PL	3686944C1
85	K97NF	16	PL	3686944C1
86	K97-GL	18	WH	3686794C1
87	K97-GK	18	WH	3686943C1
88	K97-GM	18	WH	3686943C1
89#	K47B	18	GY	3686943C1
89#	K47T	18	GY	3686943C1
90	PLUG	–	–	6086793C1
91	K23L	18	TN	3686943C1
92	K97AR	18	PL	3686943C1
93	PLUG	–	–	6086793C1
94	PLUG	–	–	6086793C1
95	PLUG	–	–	6086793C1
96	PLUG	–	–	6086793C1
97	K97UB	18	PL	3686943C1
98	K14KA	18	RD	3686943C1

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
CNA1	30SEP10	ADDED CIRC K95JJ.	B	68076W	310775	CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
					RELEASE NO. 62476L	DATE 10DEC09
						PART NO. AE08058187
						SHEET 72B

Figure 313 Connector Composites (6020M)

https://truckmanualshub.com/

13.81. CONNECTOR COMPOSITES (6022), (6023), (6033), P. 73

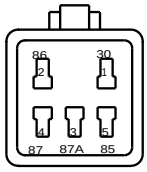
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ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

ECM POWER RELAY (6022)
(LOCATED NEAR THE IP / ENGINE INTERCONNECTION)

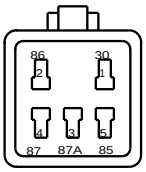


CONNECTOR 3512331C91

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
1	K97XA	10	PL	3512334C1	0589390C1
2	K97XB	16	VT	2039343C1	1652325C1
3	PLUG	-	-	0587579C1	-
4	K97F	10	PL	3512334C1	0589390C1
4*	K97N	10	PL	3512334C1	0589390C1
5	K97JA	18	PL	2039343C1	3517771C1
5*	K97JC	18	PL	2039343C1	3517771C1

* W/ V8 ENGINE

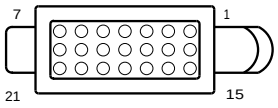
EGR / TURBO POWER RELAY (6023)
(LOCATED NEAR THE IP / ENGINE INTERCONNECTION)



CONNECTOR 3512331C91

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
1	K97HA	18	VT	2039343C1	1652325C1
2	K97HB	18	PL	2039343C1	3517771C1
3	PLUG	-	-	0587579C1	-
4	K97A	10	PL	3512334C1	0589390C1
5	K97JB	18	VT	2039343C1	1652325C1

ENGINE SENSOR INTERFACE (6033)



CONNECTOR 3803137C1
BODY LOCK1 3803139C1
BODY LOCK2 3803117C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
1	K10-GJ	16	WH	3803140C1	3803134C1
2	K10-GK	16	WH	3803140C1	3803134C1
3	K14F	18	RD	3803140C1	3803134C1
4	K14FA	18	RD	3803140C1	3803134C1
5	K14A	18	TN	3803140C1	3803134C1
6	K14-GA	18	WH	3803140C1	3803134C1
7	K41B	18	TN	3803140C1	3803134C1
8	K41C	18	TN	3803140C1	3803134C1
9	K41-GB	18	WH	3803140C1	3803134C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
10	K95H	18	TN	3803140C1	3803134C1
11	K95J	18	TN	3803140C1	3803134C1
12	K47	18	GY	3803140C1	3803134C1
13	K47A	18	GY	3803140C1	3803134C1
14	K97Y	18	TN	3803140C1	3803134C1
15	K41	16	TN	3803140C1	3803134C1
16	PLUG	-	-	3803138C1	-
17	PLUG	-	-	3803138C1	-
18	PLUG	-	-	3803138C1	-
19	K21B3	18	TN	3803140C1	3803134C1
20	K21B2	18	TN	3803140C1	3803134C1
21	K21B1	18	TN	3803140C1	3803134C1

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
DLV1	28APR10	ADDED V8 EFFECT 6022;	B	62476L	310615	CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
		RMVD THEFT DETERRENT CIRC FROM 6033.			RELEASE NO. 61229V	DATE 09JUN09

PART NO. AE08058187 SHEET 073

Figure 314 Connector Composites (6022), (6023), (6033)

https://truckmanualshub.com/

13.82. CONNECTOR COMPOSITES (6102), (6103), P. 73A

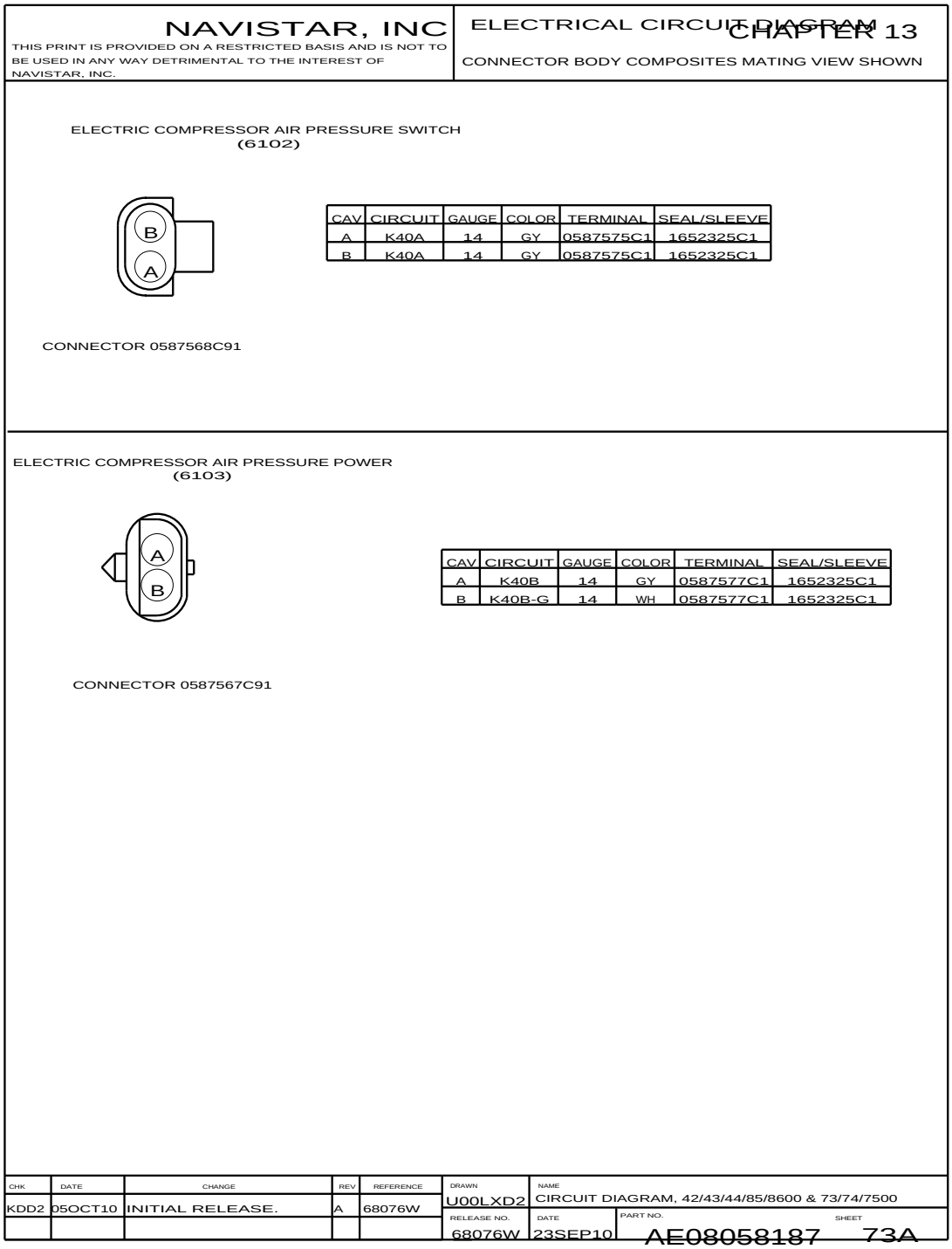


Figure 315 Connector Composites (6102), (6103)

https://truckmanualshub.com/

13.83. CONNECTOR COMPOSITES (6200), (6201), (6260HL/HR/UC), (6260VH), (6260VL), (6260VM), P. 74

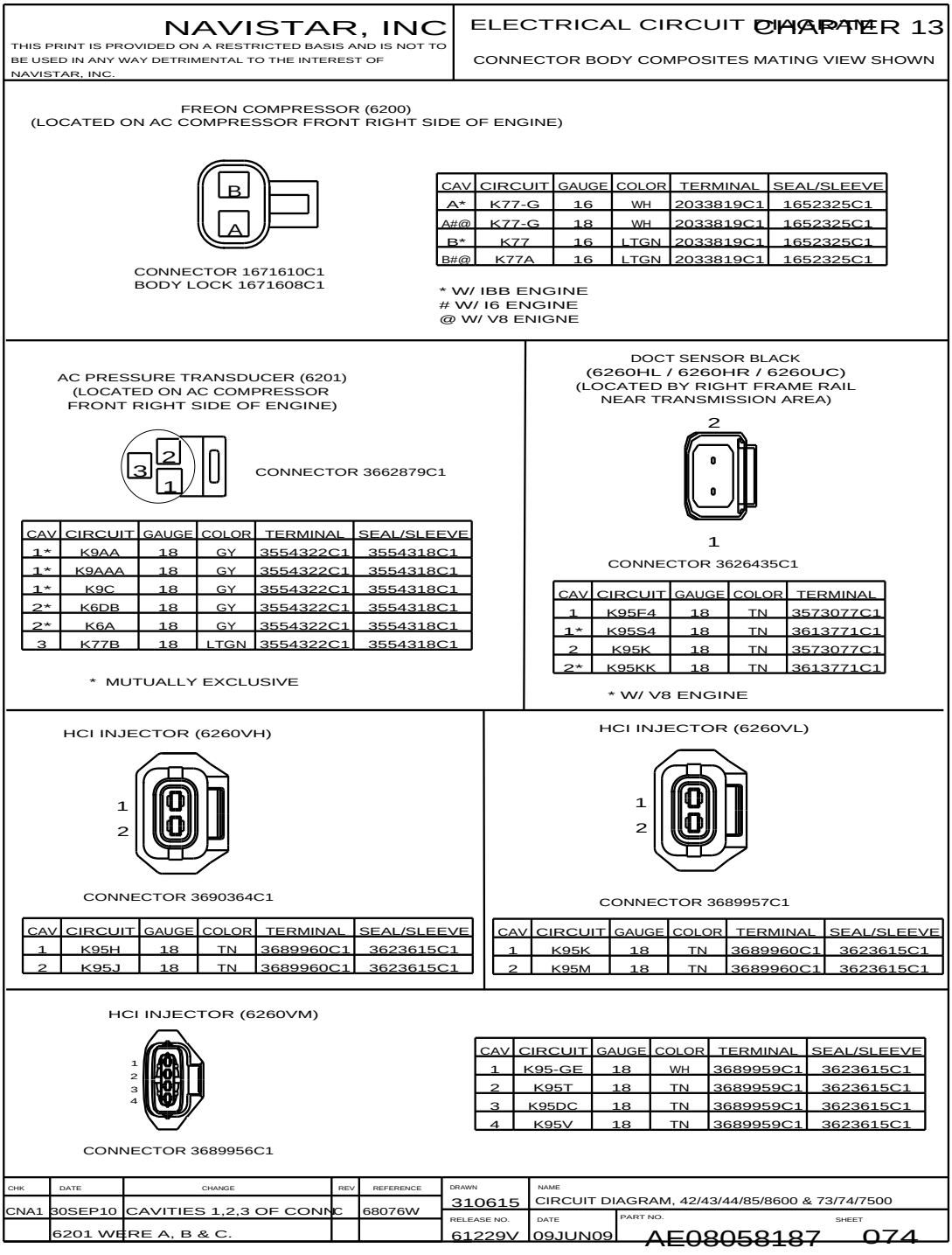


Figure 316 Connector Composites (6200), (6201), (6260HL/HR/UC), (6260VH), (6260VL), (6260VM)

https://truckmanualshub.com/

13.84. CONNECTOR COMPOSITES (6260VN), (6261), (6262), (6263), (6316M), P. 75

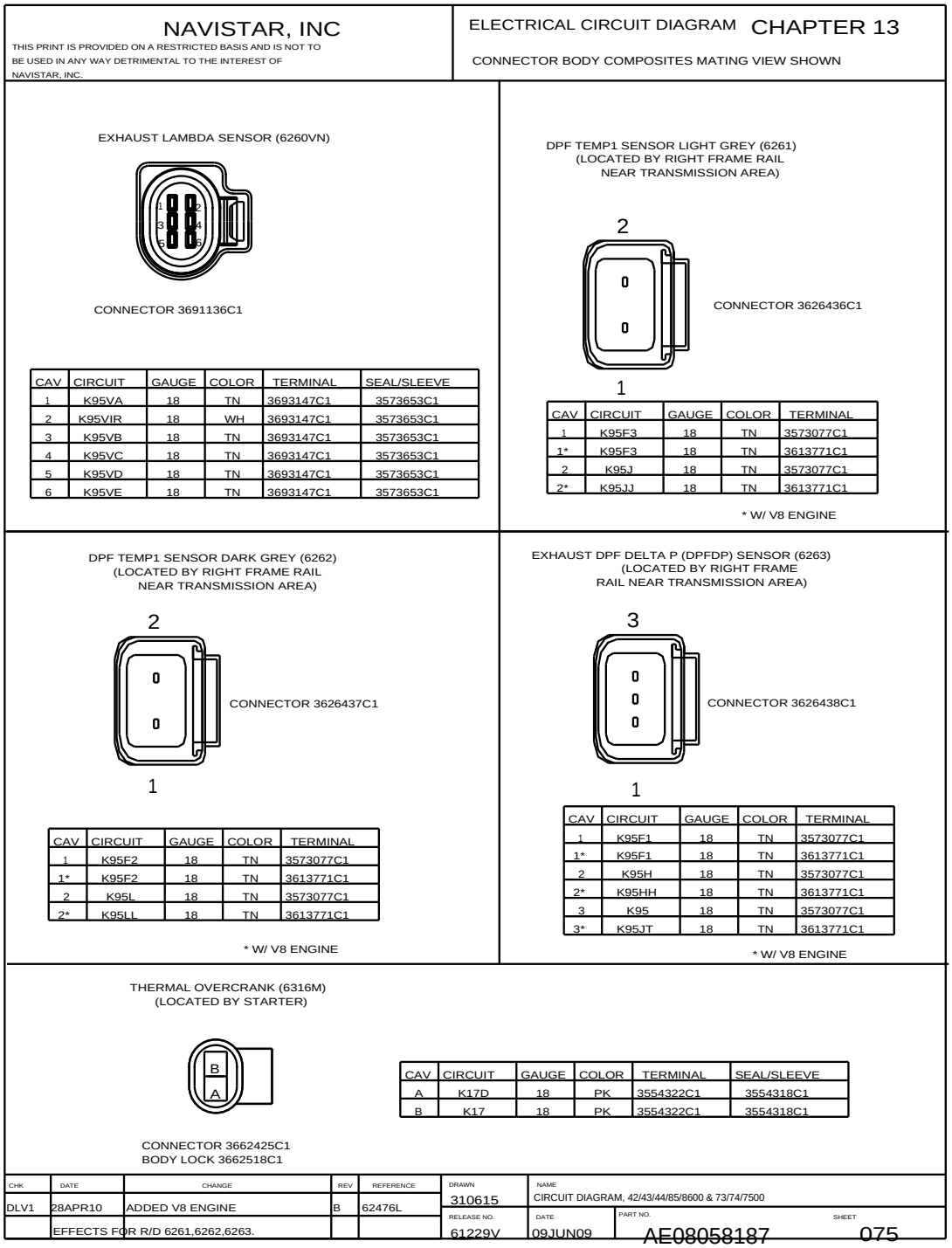


Figure 317 Connector Composites (6260VN), (6261), (6262), (6263), (6316M)

https://truckmanualshub.com/

13.85. CONNECTOR COMPOSITES (6334), (6340), P. 76

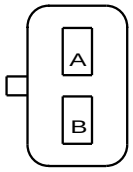
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ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

2-WAY RADIO
BATTERY POWER (6334)
(LOCATED IN ENGINE AREA
NEAR IP / ENGINE INTERCONNECT)

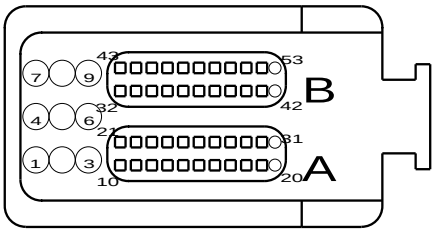


CONNECTOR 1671610C1
BODY LOCK 1671608C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A*	A14HC	16	RD	2033819C1	1652325C1
A*	A14HF	16	RD	2033819C1	1652325C1
B*	A11-GAP	16	WH	2033819C1	1652325C1
B*	A11-GAP	16	WH	2033819C1	1652325C1

* MUTUALLY EXCLUSIVE

ENGINE DCU POWER & GROUND (6340)



CONNECTOR 3856624C91

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
1	K97KB-G	16	WH	3710403C1	3535401C1
2	K97KC-G	16	WH	3710403C1	3535401C1
3	K97KD-G	16	WH	3710403C1	3535401C1
4	K97KE-G	16	WH	3710403C1	3535401C1
5	K97KF-G	16	WH	3710403C1	3535401C1
6	K97KB	16	PL	3710403C1	3535401C1
7	K97KC	16	PL	3710403C1	3535401C1
8	K97KD	16	PL	3710403C1	3535401C1
9	K97KE	16	PL	3710403C1	3535401C1
10	PLUG	–	–	–	–
11	PLUG	–	–	–	–
12	PLUG	–	–	–	–
13	PLUG	–	–	–	–
14	K5AB(+)	20	YL	3710402C1	–
15	K5AB(-)	20	LTGN	3710402C1	–
16	PLUG	–	–	–	–
17	PLUG	–	–	–	–
18	PLUG	–	–	–	–
19	PLUG	–	–	–	–
20	PLUG	–	–	–	–
21	PLUG	–	–	–	–

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
22	PLUG	–	–	–	–
23	PLUG	–	–	–	–
24	PLUG	–	–	–	–
25	PLUG	–	–	–	–
26	PLUG	–	–	–	–
27	PLUG	–	–	–	–
28	PLUG	–	–	–	–
29	PLUG	–	–	–	–
30	PLUG	–	–	–	–
31	PLUG	–	–	–	–
32	PLUG	–	–	–	–
33	PLUG	–	–	–	–
34	PLUG	–	–	–	–
35	PLUG	–	–	–	–
36	PLUG	–	–	–	–
37	PLUG	–	–	–	–
38	PLUG	–	–	–	–
39	PLUG	–	–	–	–
40	PLUG	–	–	–	–
41	PLUG	–	–	–	–
42	PLUG	–	–	–	–
43	PLUG	–	–	–	–
44	PLUG	–	–	–	–
45	PLUG	–	–	–	–
46	PLUG	–	–	–	–
47	PLUG	–	–	–	–
48	PLUG	–	–	–	–
49	PLUG	–	–	–	–
50	PLUG	–	–	–	–
51	PLUG	–	–	–	–
52	K97KF	20	PL	3710402C1	–
53	PLUG	–	–	–	–

CHK	DATE	CHANGE	REV	REFERENCE
CNA1	30SEP10	ADDED REF 6340. MOVED	C	68076W
		REF 6400, 6401 TO SHEET 76B.		

DRAWN 310615
RELEASE NO. 61229V
NAME CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
DATE 09JUN09
PART NO. AE08058187
SHEET 076

Figure 318 Connector Composites (6334), (6340)

https://truckmanualshub.com/

13.86. CONNECTOR COMPOSITES (6341), P. 76A

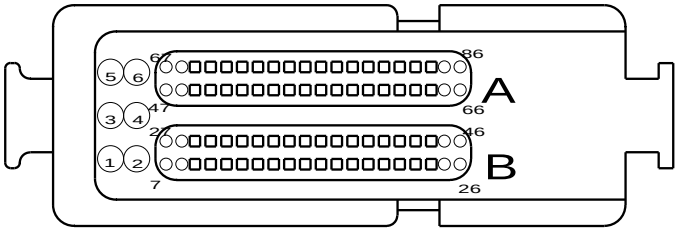
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ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

ENGINE DCU SIGNAL (6341)



CONNECTOR 3856623C91

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	PLUG	–	–	–
2	PLUG	–	–	–
3	PLUG	–	–	–
4	PLUG	–	–	–
5	PLUG	–	–	–
6	PLUG	–	–	–
7	PLUG	–	–	–
8	PLUG	–	–	–
9	PLUG	–	–	–
10	K97KM	20	PL	3710402C1
11	K97KT	20	PL	3710402C1
12	PLUG	–	–	–
13	PLUG	–	–	–
14	PLUG	–	–	–
15	PLUG	–	–	–
16	PLUG	–	–	–
17	PLUG	–	–	–
18	PLUG	–	–	–
19	PLUG	–	–	–
20	PLUG	–	–	–
21	K97KK	20	PL	3710402C1
22	PLUG	–	–	–
23	PLUG	–	–	–
24	PLUG	–	–	–
25	PLUG	–	–	–
26	PLUG	–	–	–
27	PLUG	–	–	–
28	PLUG	–	–	–
29	PLUG	–	–	–
30	PLUG	–	–	–
31	PLUG	–	–	–
32	PLUG	–	–	–
33	PLUG	–	–	–
34	PLUG	–	–	–
35	PLUG	–	–	–
36	PLUG	–	–	–
37	PLUG	–	–	–
38	PLUG	–	–	–
39	PLUG	–	–	–
40	PLUG	–	–	–
41	K97KP	20	PL	3710402C1
42	K97KR	20	PL	3710402C1
43	K97KN	20	PL	3710402C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
44	PLUG	–	–	–
45	PLUG	–	–	–
46	PLUG	–	–	–
47	PLUG	–	–	–
48	PLUG	–	–	–
49	PLUG	–	–	–
50	PLUG	–	–	–
51	PLUG	–	–	–
52	PLUG	–	–	–
53	PLUG	–	–	–
54	PLUG	–	–	–
55	PLUG	–	–	–
56	PLUG	–	–	–
57	PLUG	–	–	–
58	PLUG	–	–	–
59	PLUG	–	–	–
60	PLUG	–	–	–
61	PLUG	–	–	–
62	PLUG	–	–	–
63	PLUG	–	–	–
64	PLUG	–	–	–
65	PLUG	–	–	–
66	PLUG	–	–	–
67	PLUG	–	–	–
68	PLUG	–	–	–
69	PLUG	–	–	–
70	PLUG	–	–	–
71	PLUG	–	–	–
72	PLUG	–	–	–
73	PLUG	–	–	–
74	PLUG	–	–	–
75	PLUG	–	–	–
76	PLUG	–	–	–
77	PLUG	–	–	–
78	PLUG	–	–	–
79	PLUG	–	–	–
80	K97KJ	20	PL	3710402C1
81	PLUG	–	–	–
82	PLUG	–	–	–
83	PLUG	–	–	–
84	PLUG	–	–	–
85	PLUG	–	–	–
86	PLUG	–	–	–

CHK	DATE	CHANGE	REV	REFERENCE
CNA1	30SEP10	INITIAL RELEASE.	A	68076W

DRAWN U00LXD2

NAME CIRCUIT DIAGRAM, 42/43/33/85/8600 & 73/74/7500

RELEASE NO. 68076W

DATE 13SEP10

PART NO. AE08058187

SHEET 76A

Figure 319 Connector Composites (6341)

https://truckmanualshub.com/

13.87. CONNECTOR COMPOSITES (6400), (6401), P. 76B

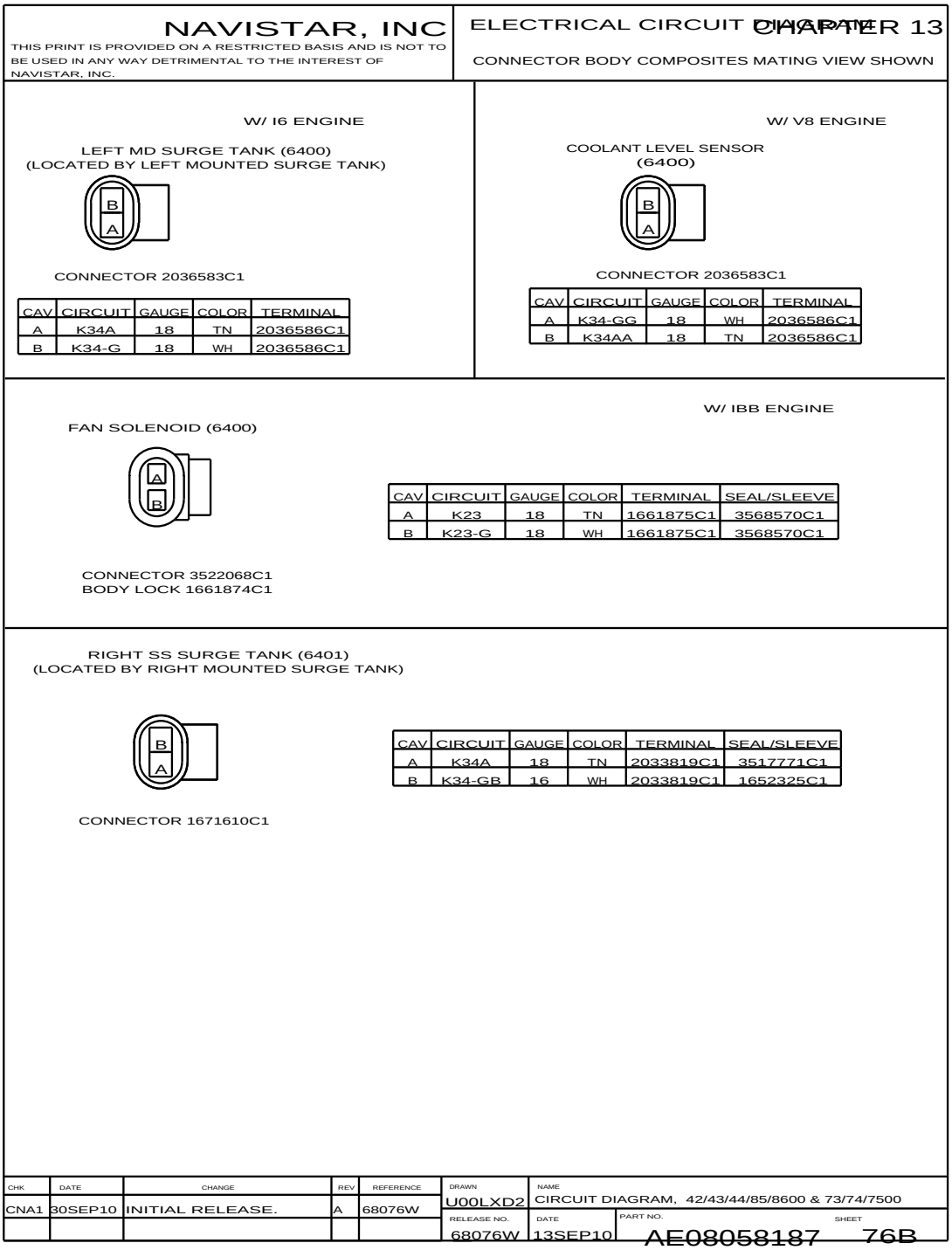


Figure 320 Connector Composites (6400), (6401

https://truckmanualshub.com/

13.88. CONNECTOR COMPOSITES (6401/6407), (6406M), (6420), (6561), P. 77

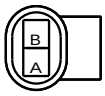
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ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

LOW COOLANT SENSOR
(6401 / 6407)
(LOCATED ON COOLANT RESERVOIR)



CONNECTOR 2036583C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A	K34D	18	TN	2036586C1
B	K34B	18	TN	2036586C1

AC CLUTCH 1
(6406M)
(LOCATED NEAR TOP RIGHT FORWARD CORNER OF ENGINE)



CONNECTOR 3522068C1
BODY LOCK 1661874C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	K23A	18	TN	1661875C1	1661872C1
B	K23G	18	WH	1661875C1	1661872C1

VARIABLE SPEED FAN
(6420)

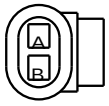


CONNECTOR 3579124C1
BODY LOCK 3579126C1

W/ IBB ENGINE

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	K23-G	18	TN	3518963C1
2	K23A1	18	TN	3518963C1
3	K23	18	TN	3518963C1
4	K23B1	18	TN	3518963C1
5	K23C	18	TN	3518963C1
6	PLUG	-	-	3527276C1

E-FAN
(6561)



CONNECTOR 3522068C1
BODY LOCK 1661874C1

W/ V8 ENGINE

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	K23D	16	TN	1661875C1	1661872C1
B	K10-GG	16	WH	1661875C1	1661872C1

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
DLV1	28APR10	ADDED CONNECTOR 6561.	B	62476L	310615	CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
					RELEASE NO. 61229V	DATE 09JUN09

PART NO. AE08058187 SHEET 077

Figure 321 Connector Composites (6401/6407), (6406M), (6420), (6561)

https://truckmanualshub.com/

13.89. CONNECTOR COMPOSITES (6702), (6703), (6703A), P. 78

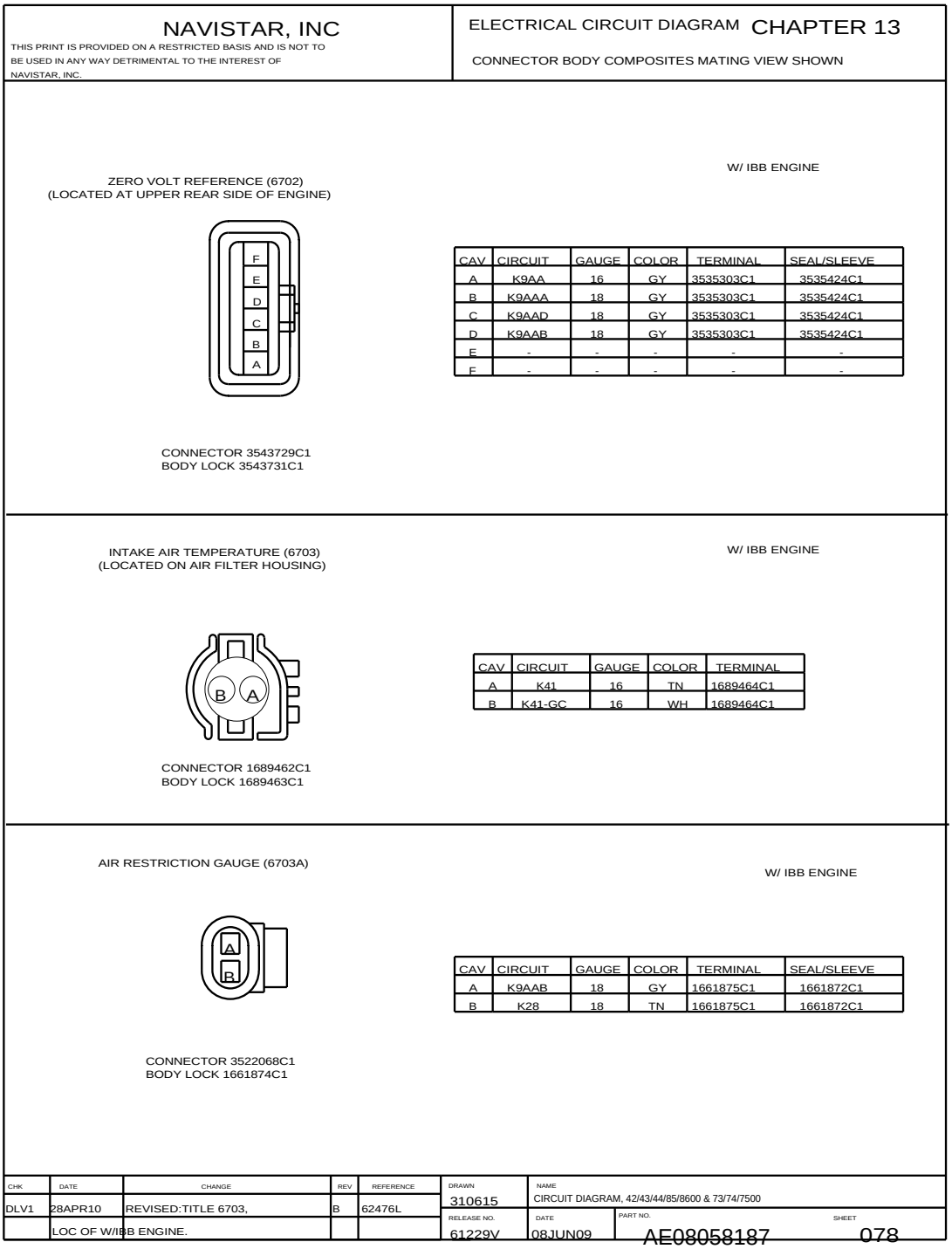
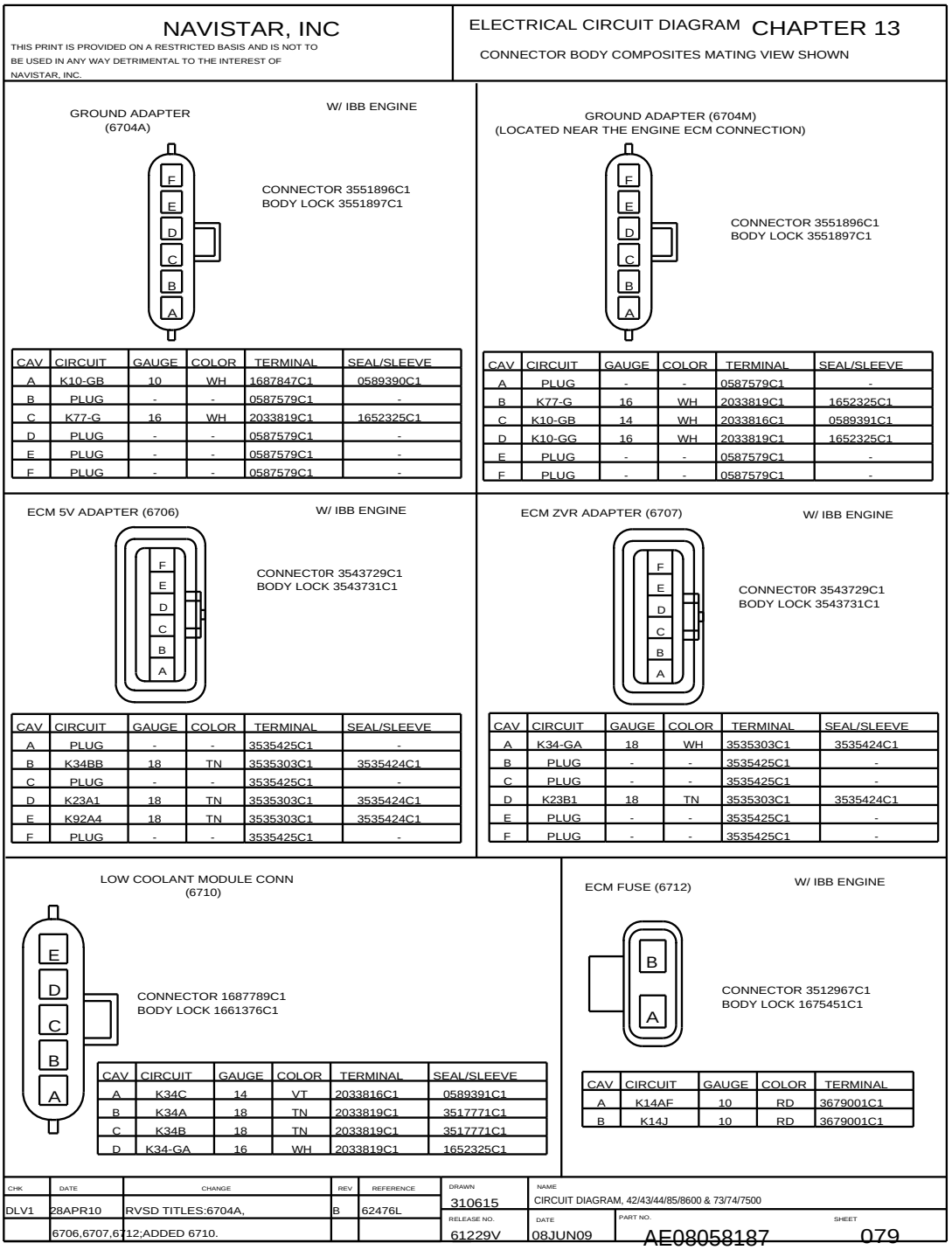


Figure 322 Connector Composites (6702), (6703), (6703A)

https://truckmanualshub.com/

13.90. CONNECTOR COMPOSITES (6704A), (6704M), (6706), (6707), (6710), (6712), P. 79



CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	K10-GB	10	WH	1687847C1	0589390C1
B	PLUG	-	-	0587579C1	-
C	K77-G	16	WH	2033819C1	1652325C1
D	PLUG	-	-	0587579C1	-
E	PLUG	-	-	0587579C1	-
F	PLUG	-	-	0587579C1	-

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	PLUG	-	-	0587579C1	-
B	K77-G	16	WH	2033819C1	1652325C1
C	K10-GB	14	WH	2033816C1	0589391C1
D	K10-GG	16	WH	2033819C1	1652325C1
E	PLUG	-	-	0587579C1	-
F	PLUG	-	-	0587579C1	-

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	PLUG	-	-	3535425C1	-
B	K34BB	18	TN	3535303C1	3535424C1
C	PLUG	-	-	3535425C1	-
D	K23A1	18	TN	3535303C1	3535424C1
E	K92A4	18	TN	3535303C1	3535424C1
F	PLUG	-	-	3535425C1	-

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	K34-GA	18	WH	3535303C1	3535424C1
B	PLUG	-	-	3535425C1	-
C	PLUG	-	-	3535425C1	-
D	K23B1	18	TN	3535303C1	3535424C1
E	PLUG	-	-	3535425C1	-
F	PLUG	-	-	3535425C1	-

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	K34C	14	VT	2033816C1	0589391C1
B	K34A	18	TN	2033819C1	3517771C1
C	K34B	18	TN	2033819C1	3517771C1
D	K34-GA	16	WH	2033819C1	1652325C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A	K14AF	10	RD	3679001C1
B	K14J	10	RD	3679001C1

Figure 323 Connector Composites (6704A), (6704M), (6706), (6707), (6710), (6712)

https://truckmanualshub.com/

13.91. CONNECTOR COMPOSITES (6720), (6730), (6747), P. 80

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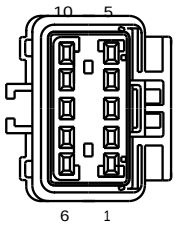
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ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

W/ IBB ENGINE

AFTERTREATMENT SENSOR JUMPER / AFTERTREATMENT SENSOR JUMPER-LSM EXHAUST (6720)

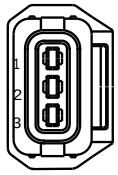


CONNECTOR 3690369C1
BODY LOCK 3539144C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	K95A	18	TN	3613771C1
2	K95-GA	18	WH	3613771C1
3	K95B	18	TN	3613771C1
4	K95-GB	18	WH	3613771C1
5	K95C	18	TN	3613771C1
6	K95-GC	18	WH	3613771C1
7	K95-GD	18	WH	3613771C1
8	K95E	18	TN	3613771C1
9	K95DA	18	TN	3613771C1
10	PLUG	-	-	3527276C1

W/ IBB ENGINE

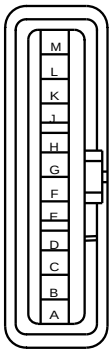
HCL FUEL PRESSURE (6730)



CONNECTOR 3689958C1

CAV	CIR	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
1	K95DB	18	TN	3689959C1	3623615C1
2	K95R	18	TN	3689959C1	3623615C1
3	K95S	18	TN	3689959C1	3623615C1

ECM ZERO VOLT REFERENCE (6747)
(LOCATED NEAR THE ENGINE ECM CONNECTION)



CONNECTOR 3543733C1
BODY LOCK 3543732C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	K97AN	18	PL	3535303C1	3535424C1
A*	K95NN	18	PL	3535303C1	3535424C1
B	PLUG	-	-	3535425C1	-
B*	K34-GG	18	WH	3535303C1	3535424C1
C	K95A1	18	TN	3535303C1	3535424C1
D	K95F4	18	TN	3535303C1	3535424C1
D*	K95S4	18	TN	3535303C1	3535424C1
E	K10-GB	16	WH	3535303C1	3535424C1
F	K77-G	18	WH	3535303C1	3535424C1
G	K34-G	18	WH	3535303C1	3535424C1
H	K23-G	18	WH	3535303C1	3535424C1
J	K9E	18	GY	3535303C1	3535424C1
K	K9TS	18	GY	3535303C1	3535424C1
L	K9A	18	GY	3535303C1	3535424C1
M	K9T	18	GY	3535303C1	3535424C1

* W/ V8 ENGINE

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
DLV1	28APR10	RVSD TITLES:6720,	B	62476L	310615	CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
	6730;ADDED	W/V8 TO 6747.			RELEASE NO. 61229V	DATE 08JUN09

PART NO. AE08058187 SHEET 080

Figure 324 Connector Composites (6720), (6730), (6747)

https://truckmanualshub.com/

13.92. CONNECTOR COMPOSITES (6900), (6901), (7103M), P. 81

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ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

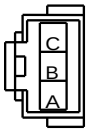
2 WAY RADIO OVERHEAD
(6900)
(LOCATED IN INSTRUMENT PANEL LEFT SIDE)



CONNECTOR 1661198C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A	A14HF	16	RD	1661208C1
B	A11-GAP	16	WH	1661208C1
C	A86P	16	LTGN	1661208C1

BACK-UP MONITOR CONNECTION
(6901)
(LOCATED IN INSTRUMENT PANEL LEFT SIDE)



CONNECTOR 1661199C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A	A67F	18	GY	1661212C1
B	A67H	18	GY	1661212C1
C	A67-GA	18	WH	1661212C1

TWO SPEED AXLE BOOT CONNECTOR
(7103M)
(LOCATED NEAR TRANSMISSION SHIFT TOWER)



CONNECTOR 1661198C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A	K93	18	TN	1661208C1
B	-	-	-	-
C	K9TS	18	GY	1661208C1

CHK	DATE	CHANGE	REV	REFERENCE
DLV1	28APR10	REVISED DESCRIPTION	B	62476L
	FOR R/D 6900,7103M,6901.			

DRAWN 310615
NAME CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
RELEASE NO. 61229V
DATE 08JUN09
PART NO. AE08058187
SHEET 081

Figure 325 Connector Composites (6900), (6901), (7103M)

https://truckmanualshub.com/

13.93. CONNECTOR COMPOSITES (7104F), (7105), P. 82

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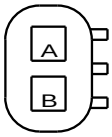
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ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

TRANSMISSION CLEAN POWER(7104F)
FOR XMSN ALLISON MD (WTEC)
(LOCATED BY STARTER)

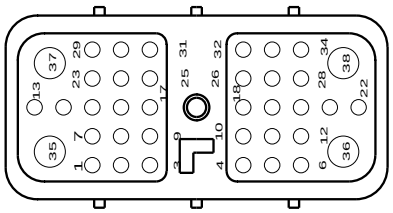
(W/ IBB ENGINE)



CONNECT0R 1671611C1
BODY LOCK 1671608C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	K92A170	14	RD	2033912C1	0589391C1
B	K92-G	14	WH	2033912C1	0589391C1

EATON GEN 3 TCM CONNECTOR
(7105)
(LOCATED ON LEFT SIDE OF TRANSMISSION)



CONNECTOR 3599542C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	PLUG	–	–	3527276C1
2	K5V(-)	18	GN	3555249C1
3	K5V(+)	18	YL	3555249C1
4	K17-GC	18	PK	3555249C1
5	PLUG	–	–	3527276C1
6	PLUG	–	–	3527276C1
7	PLUG	–	–	3527276C1
8	PLUG	–	–	3527276C1
9	PLUG	–	–	3527276C1
10	K3BA(+)	18	DKBL	3555249C1
11	K3BA(-)	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	K92DL	16	TN	3555249C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
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	16	PK	3555249C1
27	K98GN		GN	3555249C1
28	K98YL	18	YL	3555249C1
29	PLUG	–	–	3527276C1
30	PLUG	–	–	3527276C1
31	K92ER	18	TN	3555249C1
32	K17B	18	PK	3555249C1
33	K92DM	16	TN	3555249C1
34	PLUG	–	–	3527276C1
35	K13A	14	PK	3557534C1
36	K10-GE	12	WH	3557534C1
37	PLUG	–	–	3527276C1
38	K14A	12	RD	3557534C1

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
MEF2	22JUN10	ADDED CIRCUIT K92DL	B	67657R	310615	CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
		AND K92DM AT CAV 19 AND 33.			RELEASE NO. 61229V	DATE 08JUN09 / PART NO. AE08058187 / SHEET 082

Figure 326 Connector Composites (7104F), (7105)

https://truckmanualshub.com/

13.94. CONNECTOR COMPOSITES (7110/7110A), (7111), (7113), (7113A), P. 83

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ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

W/ IBB ENGINE

J1939 RESISTOR (7110 / 7110A)
(LOCATED ON LEFT SIDE OF TRANSMISSION)
(W/ IBB ENGINE)

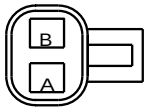


CONNECTOR 1667741C1
BODY LOCK 1667771C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A&	K5C128	18	YL	1661875C1	3568570C1
A#*	K5TB(+)	18	YL	1661875C1	3568570C1
B	PLUG	-	-	2025431C1	-
C&	K5C108	18	GN	1661875C1	3568570C1
C*#	K5TB(-)	18	GN	1661875C1	3568570C1

\# W/ AUTOSHIFT, ULTRASHIFT XMSN
& W/ ALLISON GEN4 XMSN
* W/ MANUAL XMSN

MERITOR G POWER (7111)
(LOCATED ON LEFT SIDE OF TRANSMISSION)



CONNECTOR 1671610C1
BODY LOCK 1671608C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	K13A	16	PK	2033819C1	1652325C1
B	K11-G	16	WH	2033819C1	1652325C1

DAVCO WIF SENSOR
(7113)



CONNECTOR 3590390C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
1	N95A	18	TN	3561584C1	3536868C1
2	N95-GA	18	WH	3561584C1	3536868C1

DAVCO WIF SENSOR EXT.
(7113A)



CONNECTOR 3590390C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
1	N95A	18	TN	3561584C1	3536868C1
2	N95-GA	18	WH	3561584C1	3536868C1

CHK	DATE	CHANGE	REV	REFERENCE
DLV1	28APR10	ADDED 7113,7113A;	B	62476L
		REVISED TITLE 7110/7110A.		

DRAWN 310615
NAME CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
RELEASE NO. 61229V
DATE 08JUN09
PART NO. AE08058187
SHEET 083

Figure 327 Connector Composites (7110/7110A), (7111), (7113), (7113A)

https://truckmanualshub.com/

13.95. CONNECTOR COMPOSITES (7150/7150F2), (7152), P. 84

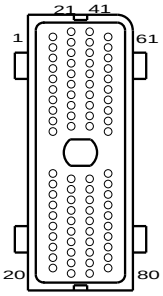
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ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

TRANSMISSION MODULE
(7150 / %7150F2)
(LOCATED AT TRANSMISSION TCM CONNECTION)
TRANSMISSION MODULE IN CAB
(7152)
(LOCATED IN CAB)



CONNECTOR 3605713C1
BODY LOCK 3606525C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	K92#101	18	LTBL	3686945C1
2	–	–	–	–
3	K92#103	18	YL	3686945C1
3&	K92#103	18	LTBL	3686945C1
4	–	–	–	–
5	K92#105	18	OR	3686945C1
5%	K92#105	18	TN	3686945C1
6	–	–	–	–
7	–	–	–	–
8	K5A108	18	GN	3686945C1
8%	K5B108	18	GN	3686945C1
9##	K92C109	18	GY	3686945C1
9%	K92#109	18	GY	3686945C1
10##	K92B110	18	PK	3686945C1
10%	K92#110	18	PK	3686945C1
11	K92#111	18	OR	3686945C1
12*	K92A112	18	PK	3686945C1
12%	K92#12	18	TN	3686945C1
13	–	–	–	–
14	–	–	–	–
15	K92#115	18	WH	3686945C1
16	K92#116	18	LTBL	3686945C1
17%	K92A117	18	TN	3686945C1
17#	K92A117	18	LTBL	3686945C1
17**%	K92#117	18	TN	3686945C1
17#	K92#117	18	LTBL	3686945C1
18	K92#118	18	GY	3686945C1
19	K92#119	18	LTBL	3686945C1
20@@	K92C120	18	LTBL	3686945C1
20@	K92A120	18	LTBL	3686945C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
20%	K92#120	18	LTBL	3686945C1
21	–	–	–	–
22	K92#122	18	YL	3686945C1
23	K92#123	18	LTGN	3686945C1
23%	K92#123	18	LTBL	3686945C1
24*	K92#124	18	WH	3686945C1
24%	K92#124	18	TN	3686945C1
25##	K47A125	18	TN	3686945C1
25%	–	–	–	–
26	–	–	–	–
27	–	–	–	–
28	K5A128	18	YL	3686945C1
28%	K5B128	18	YL	3686945C1
29	–	–	–	–
30	K92#130	18	WH	3686945C1
31	K92A131	18	YL	3686945C1
31##	K92#131	18	YL	3686945C1
32	–	–	–	–
33	K92#133	18	YL	3686945C1
34%	K92#134	18	TN	3686945C1
34	K92#134	18	YL	3686945C1
35	–	–	–	–
36	K92#136	18	OR	3686945C1
37@@	K92#137	18	WH	3686945C1
37%	K92#137	18	TN	3686945C1
37&@	K92#137	18	WH	3686945C1
38	–	–	–	–
39	K48#139	18	OR	3686945C1
40	K47#140	18	LTGN	3686945C1
41**	K92A141	18	TN	3686945C1

\# MUTUALLY EXCLUSIVE
@@ W/ HEAVY DUTY
@ W/ MEDIUM DUTY
W/ WTEC
* W/ GEN4
** W/ AUTO NEUTRAL
% W/ IBB ENGINE
& W/ V8 ENGINE

CHART CONTINUED ON SHEET 84A

CHK	DATE	CHANGE	REV	REFERENCE
CNA1	30SEP10	ADDED CIRC K92#115,	C	68076W
		K92#118, K92#119.		

DRAWN 310615
NAME CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
RELEASE NO. 61229V
DATE 08JUN09
PART NO. AE08058187
SHEET 084

Figure 328 Connector Composites (7150/7150F2), (7152)

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13.96. CONNECTOR COMPOSITES (7150/7150F2), (7152), P. 84A

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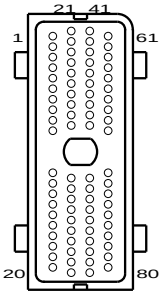
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ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

CHART CONTINUED FROM SHEET 84

TRANSMISSION MODULE
(7150 / %7150F2)
(LOCATED AT TRANSMISSION TCM CONNECTION)
TRANSMISSION MODULE IN CAB
(7152)
(LOCATED IN CAB)



CONNECTOR 3605713C1
BODY LOCK 3606525C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
41	K92#141	18	TN	3686945C1
41**	K92A141	18	WH	3686945C1
42%	K92#142	18	TN	3686945C1
42*	K92#142	18	WH	3686945C1
42	K92A142	18	WH	3686945C1
43	K92#143	18	LTBL	3686945C1
44	–	–	–	–
45	K92#145	18	OR	3686945C1
46	–	–	–	–
47	–	–	–	–
48	–	–	–	–
49	–	–	–	–
50	–	–	–	–
51	K92#151	18	WH	3686945C1
52	K92#152	18	LTGN	3686945C1
53	–	–	–	–
54@@	K31#154	18	TN	3686945C1
54%	K92#154	18	TN	3686945C1
54&@	K31#154	18	TN	3686945C1
55@@	K92#155	18	WH	3686945C1
55%	K92#155	18	TN	3686945C1
55&@	K92#155	18	WH	3686945C1
56	K92#156	18	PK	3686945C1
56%	K92#156	18	TN	3686945C1
56&	–	–	–	–
57	K92#157	18	WH	3686945C1
58	K92A158	18	LTGN	3686945C1
58%	K92#158	18	LTGN	3686945C1
59	K48#159	18	TN	3686945C1
60	K47#160	18	YL	3686945C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
61*	K92#161	18	OR	3686945C1
61%	K92#161	18	TN	3686945C1
62	K92#162	18	YL	3686945C1
63##	K92#163	18	YL	3686945C1
63%	K92#163	18	TN	3686945C1
64	K92#164	18	LTBL	3686945C1
65	K92#165	18	TN	3686945C1
66	–	–	–	–
67	–	–	–	–
68	–	–	–	–
69##	K92B169	18	GY	3686945C1
69%	K92#169	18	TN	3686945C1
70#	K92#170	18	PK	3686945C1
70%	K92#170	18	TN	3686945C1
71@@	K92#171	18	YL	3686945C1
71%	K92#171	18	TN	3686945C1
71&@	K92#171	18	YL	3686945C1
72	–	–	–	–
73	–	–	–	–
74@@	K92#174	18	LTBL	3686945C1
74%	K92#174	18	TN	3686945C1
74&@	K92#174	18	LTBL	3686945C1
75	K92#175	18	OR	3686945C1
75&	–	–	–	–
76	K92#176	18	YL	3686945C1
77	K92#177	18	LTGN	3686945C1
78	–	–	–	–
79	–	–	–	–
80#	K92#180	18	OR	3686945C1
80#	K92#180	18	TN	3686945C1

\# MUTUALLY EXCLUSIVE
@@ W/ HEAVY DUTY
@ W/ MEDIUM DUTY
W/ WTEC
* W/ GEN4
** W/ AUTO NEUTRAL
% W/ IBB ENGINE
& W/ V8 ENGINE

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
CNA1	30SEP10	ADDED CIRC K92A141.	B	68076W	360070	CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
					RELEASE NO. 61229V	DATE 19NOV09

PART NO. AE08058187 SHEET 84A

Figure 329 Connector Composites (7150/7150F2), (7152)

https://truckmanualshub.com/

13.97. CONNECTOR COMPOSITES (7150), P. 85

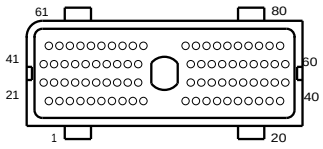
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ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

TCU CONNECTOR (7150)
(LOCATED AT TRANSMISSION TCM CONNECTION)



CONNECTOR 3605713C1
BODY LOCK 3606525C1

W/ IBB ENGINE

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	K92#101	18	LTBL	3686945C1
2	-	-	-	-
3	K92#103	18	YL	3686945C1
4	-	-	-	-
5	K92#105	18	TN	3686945C1
6	-	-	-	-
7	-	-	-	-
8	K5B108	18	GN	3686945C1
9	K92#109	18	GY	3686945C1
10	K92#110	18	PK	3686945C1
11	K92#111	18	OR	3686945C1
12	K92#112	18	TN	3686945C1
13	-	-	-	-
14	-	-	-	-
15	K92#115	18	WH	3686945C1
16	K92#116	18	LTBL	3686945C1
17*	K92#117	18	TN	3686945C1
17*	K92A117	18	TN	3686945C1
18	-	-	-	-
19	K92#119	18	LTBL	3686945C1
20*	K92#120	18	LTBL	3686945C1
20*	K92#120	18	DKBL	3686945C1
21	-	-	-	-
22	K92#122	18	YL	3686945C1
23	K92#123	18	LTBL	3686945C1
24	K92#124	18	TN	3686945C1
25	-	-	-	-
26	-	-	-	-
27	-	-	-	-
28	K5B128	18	YL	3686945C1
29	-	-	-	-
30	K92#130	18	WH	3686945C1
31	K92#131	18	YL	3686945C1
32	-	-	-	-
33	K92#133	18	YL	3686945C1
34	K92#134	18	TN	3686945C1
35	-	-	-	-
36	K92#136	18	OR	3686945C1
37	K92#137	18	TN	3686945C1
38	-	-	-	-
39	K48#139	18	OR	3686945C1
40	K47#140	18	LTGN	3686945C1
41	K92#141	18	TN	3686945C1
42*	K92#142	18	WH	3686945C1
42*	K92#142	18	TN	3686945C1
43	K92#143	18	LTBL	3686945C1
44	-	-	-	-
45	K92#145	18	OR	3686945C1
46	-	-	-	-
47	-	-	-	-
48		-	-	-
49	-	-	-	-
50	-	-	-	-
51	K92#151	18	WH	3686945C1
52	K92#152	18	LTGN	3686945C1
53	-	-	-	-
54	K92#154	18	TN	3686945C1
55	K92#155	18	TN	3686945C1
56	K92#156	18	TN	3686945C1
57	K92#157	18	WH	3686945C1
58	K92#158	18	LTGN	3686945C1
59	K48#159	18	TN	3686945C1
60	K47#160	18	YL	3686945C1
61	K92#161	18	TN	3686945C1
62	K92#162	18	YL	3686945C1
63	K92#163	18	TN	3686945C1
64	K92#164	18	LTBL	3686945C1
65	K92#165	18	TN	3686945C1
66	-	-	-	-
67	-	-	-	-
68	-	-	-	-
69	K92#169	18	TN	3686945C1
70	K92#170	18	TN	3686945C1
71	K92#171	18	TN	3686945C1
72	-	-	-	-
73	-	-	-	-
74	K92#174	18	TN	3686945C1
75	K92#175	18	OR	3686945C1
76	K92#176	18	YL	3686945C1
77	K92#177	18	LTGN	3686945C1
78	-	-	-	-
79	-	-	-	-
80*	K92#180	18	OR	3686945C1
80*	K92#180	18	TN	3686945C1

* MUTUALLY EXCLUSIVE

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
DLV1	28APR10	CIRC:ADDED K92#A117,	B	62476L	310615	CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
		K92#120,K92#142 & RMVD K92#125.			RELEASE NO. 61229V	DATE 08JUN09 PART NO. AE08058187 SHEET 085

Figure 330 Connector Composites (7150)

https://truckmanualshub.com/

13.98. CONNECTOR COMPOSITES (7151), P. 86

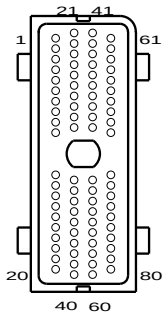
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ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

CONTROL MODULE (7151)
(LOCATED AT TRANSMISSION TCM CONNECTION)



CONNECTOR 3605713C1
BODY LOCK 3606525C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	K92#101	18	LTBL	3686945C1
2	–	–	–	–
3	K92#103	18	YL	3686945C1
4	–	–	–	–
5	K92#105	18	OR	3686945C1
6	–	–	–	–
7	–	–	–	–
8	K5#108	18	GN	3686945C1
9	K92#109	18	GY	3686945C1
10	K92A110	18	PK	3686945C1
11	K92#111	18	OR	3686945C1
12	–	–	–	–
13	–	–	–	–
14	K92#114	18	GY	3686945C1
15	–	–	–	–
16	–	–	–	–
17	K92#117	18	LTBL	3686945C1
18	–	–	–	–
19	–	–	–	–
20	K92#120	18	LTBL	3686945C1
21	–	–	–	–
22	–	–	–	–
23	K92#123	18	LTGN	3686945C1
24	–	–	–	–
25	K47#125	18	TN	3686945C1
26	–	–	–	–
27	–	–	–	–
28	K5#128	18	YL	3686945C1
29	–	–	–	–
30	–	–	–	–
31	–	–	–	–
32	–	–	–	–
33	K92#133	18	YL	3686945C1
34	K92#134	18	WH	3686945C1
35	–	–	–	–
36	K92#136	18	OR	3686945C1
37	–	–	–	–
38	K92#138	18	OR	3686945C1
39	K48#139	18	OR	3686945C1
40	K47#140	18	LTGN	3686945C1
41	K92#141	18	TN	3686945C1

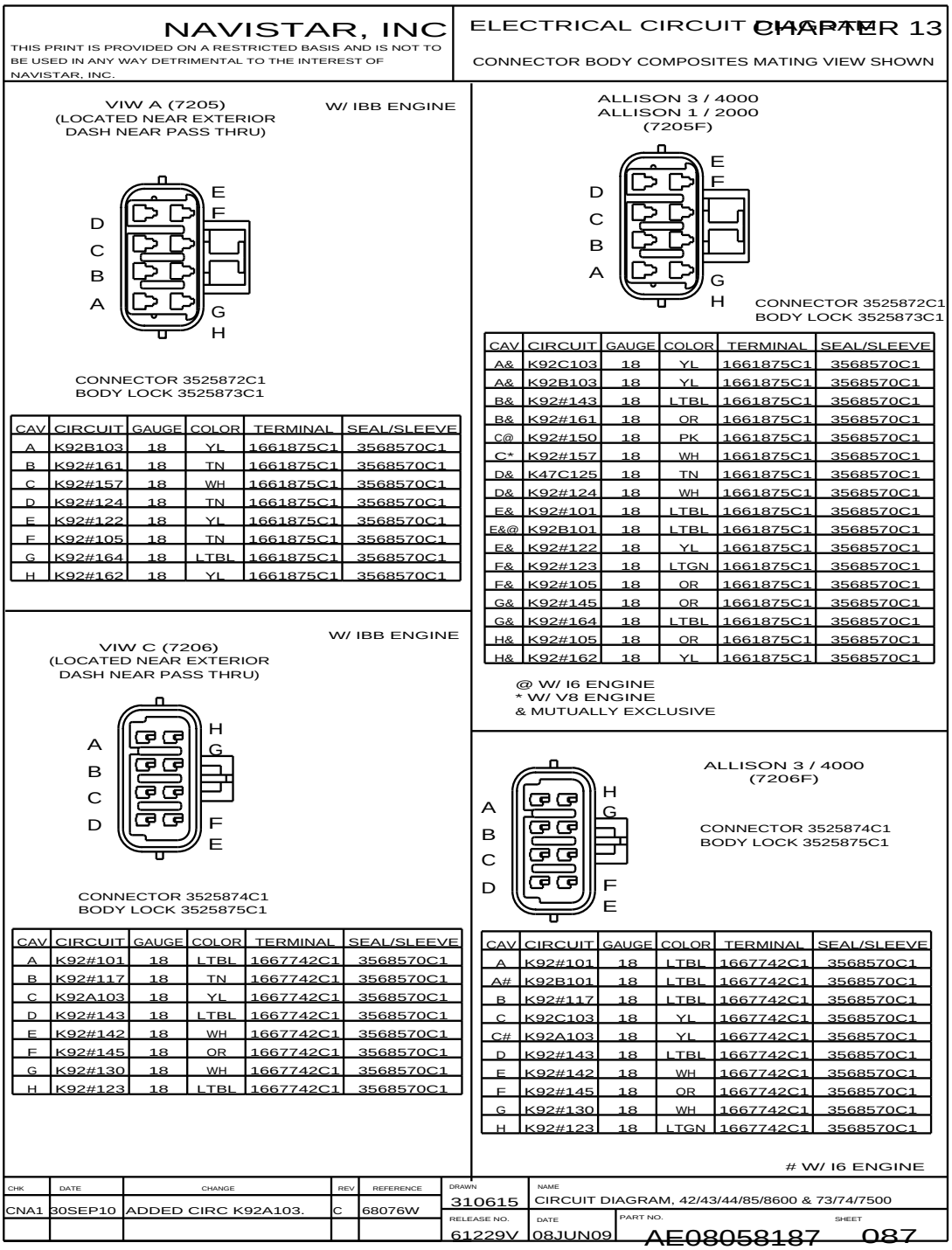
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
42	K92#142	18	WH	3686945C1
43	K92#143	18	LTBL	3686945C1
44	–	–	–	–
45	K92#145	18	OR	3686945C1
46	–	–	–	–
47	–	–	–	–
48	–	–	–	–
49	–	–	–	–
50	K92#150	18	PK	3686945C1
51	K92#151	18	WH	3686945C1
52	K92#152	18	LTGN	3686945C1
53	K92#153	18	YL	3686945C1
54	K31#154	18	TN	3686945C1
55	K92#155	18	WH	3686945C1
56	–	–	–	–
57	K92#157	18	WH	3686945C1
58	K92#158	18	LTGN	3686945C1
59	K48#159	18	TN	3686945C1
60	K47#160	18	YL	3686945C1
61	K92#161	18	TN	3686945C1
62	–	–	–	–
63	K92#163	18	YL	3686945C1
64	–	–	–	–
65	K92#165	18	TN	3686945C1
66	–	–	–	–
67	–	–	–	–
68	–	–	–	–
69	K92#169	18	GY	3686945C1
70	K92#170	18	PK	3686945C1
71	K92#171	18	YL	3686945C1
72	–	–	–	–
73	K92#173	18	LTBL	3686945C1
74	K92#174	18	LTBL	3686945C1
75	–	–	–	–
76	K92#176	18	YL	3686945C1
77	K92#177	18	LTGN	3686945C1
78	K92#178	18	WH	3686945C1
79	K92#179	18	PK	3686945C1
80	K92#180	18	OR	3686945C1

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
CNA1	30SEP10	REMOVED CIRC K92#151.	C	68076W	310615	CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
					RELEASE NO. 61229V	DATE 08JUN09
						PART NO. AE08058187
						SHEET 086

Figure 331 Connector Composites (7151)

https://truckmanualshub.com/

13.99. CONNECTOR COMPOSITES (7205), (7205F), (7206), (7206F), P. 87



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ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

VIW A (7205)
(LOCATED NEAR EXTERIOR
DASH NEAR PASS THRU)

W/ IBB ENGINE

CONNECTOR 3525872C1
BODY LOCK 3525873C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	K92B103	18	YL	1661875C1	3568570C1
B	K92#161	18	TN	1661875C1	3568570C1
C	K92#157	18	WH	1661875C1	3568570C1
D	K92#124	18	TN	1661875C1	3568570C1
E	K92#122	18	YL	1661875C1	3568570C1
F	K92#105	18	TN	1661875C1	3568570C1
G	K92#164	18	LTBL	1661875C1	3568570C1
H	K92#162	18	YL	1661875C1	3568570C1

W/ IBB ENGINE

VIW C (7206)
(LOCATED NEAR EXTERIOR
DASH NEAR PASS THRU)

CONNECTOR 3525874C1
BODY LOCK 3525875C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	K92#101	18	LTBL	1667742C1	3568570C1
B	K92#117	18	TN	1667742C1	3568570C1
C	K92A103	18	YL	1667742C1	3568570C1
D	K92#143	18	LTBL	1667742C1	3568570C1
E	K92#142	18	WH	1667742C1	3568570C1
F	K92#145	18	OR	1667742C1	3568570C1
G	K92#130	18	WH	1667742C1	3568570C1
H	K92#123	18	LTBL	1667742C1	3568570C1

ALLISON 3 / 4000
ALLISON 1 / 2000
(7205F)

CONNECTOR 3525872C1
BODY LOCK 3525873C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A&	K92C103	18	YL	1661875C1	3568570C1
A&	K92B103	18	YL	1661875C1	3568570C1
B&	K92#143	18	LTBL	1661875C1	3568570C1
B&	K92#161	18	OR	1661875C1	3568570C1
C@	K92#150	18	PK	1661875C1	3568570C1
C*	K92#157	18	WH	1661875C1	3568570C1
D&	K47C125	18	TN	1661875C1	3568570C1
D&	K92#124	18	WH	1661875C1	3568570C1
E&	K92#101	18	LTBL	1661875C1	3568570C1
E&@	K92B101	18	LTBL	1661875C1	3568570C1
E&	K92#122	18	YL	1661875C1	3568570C1
F&	K92#123	18	LTGN	1661875C1	3568570C1
F&	K92#105	18	OR	1661875C1	3568570C1
G&	K92#145	18	OR	1661875C1	3568570C1
G&	K92#164	18	LTBL	1661875C1	3568570C1
H&	K92#105	18	OR	1661875C1	3568570C1
H&	K92#162	18	YL	1661875C1	3568570C1

@ W/ I6 ENGINE
* W/ V8 ENGINE
& MUTUALLY EXCLUSIVE

ALLISON 3 / 4000
(7206F)

CONNECTOR 3525874C1
BODY LOCK 3525875C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	K92#101	18	LTBL	1667742C1	3568570C1
A#	K92B101	18	LTBL	1667742C1	3568570C1
B	K92#117	18	LTBL	1667742C1	3568570C1
C	K92C103	18	YL	1667742C1	3568570C1
C#	K92A103	18	YL	1667742C1	3568570C1
D	K92#143	18	LTBL	1667742C1	3568570C1
E	K92#142	18	WH	1667742C1	3568570C1
F	K92#145	18	OR	1667742C1	3568570C1
G	K92#130	18	WH	1667742C1	3568570C1
H	K92#123	18	LTGN	1667742C1	3568570C1

W/ I6 ENGINE

CHK	DATE	CHANGE	REV	REFERENCE
CNA1	30SEP10	ADDED CIRC K92A103.	C	68076W

DRAWN 310615
NAME CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
RELEASE NO. 61229V
DATE 08JUN09
PART NO. AE08058187
SHEET 087

Figure 332 Connector Composites (7205), (7205F), (7206), (7206F)

https://truckmanualshub.com/

13.100. CONNECTOR COMPOSITES (7207M), (7208M), (7211), (7212), (7213), (7220), P. 88

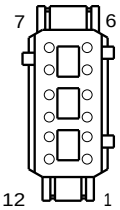
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ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

ENGINE ECM BODY BUILDER (7207M)



CONNECTOR 3586750C1
BODY LOCK 3553460C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	K97CB	18	PL	3518963C1
2	K46A	18	GY	3518963C1
3	K97CC	18	PL	3518963C1
4	K46B	18	GY	3518963C1
5	K97AR	18	PL	3518963C1
6	K47B	18	GY	3518963C1
7	-	-	-	-
8	K97FV	18	PL	3518963C1
9	K97DF	18	PL	3518963C1
10	K97WA	18	PL	3518963C1
11	K97XC	18	PL	3518963C1
12	K99F	18	PL	3518963C1

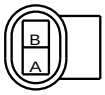
ENGINE ECM BODY BUILDER 2 (7208M)



CONNECTOR 3518182C1
BODY LOCK 3518184C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	K97EW	18	PL	3518963C1
2	K97SE	18	PL	3518963C1

RETARDER TEMP SENSOR (7211) (LOCATED AT TRANSMISSION)

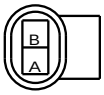


CONNECTOR 3524377C1

@ W/ IBB ENGINE
* W/ I6 ENGINE

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A	K92#175	18	OR	2036586C1
B@	K92B158	18	LTGN	2036586C1
B*	K92C158	18	LTGN	2036586C1

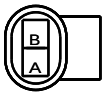
STARTER SOLENOID / RETARDER ACCUMULATOR SOLENOID (7212) (LOCATED ON REAR OF TRANSMISSION)



CONNECTOR 3524378C1

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

RETARDER SOLENOID (7213) (LOCATED AT TRANSMISSION)

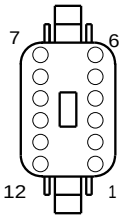


CONNECTOR 2036584C1

* W/ IBB ENGINE
W/ I6 ENGINE

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

BODY BUILDER (7220) (LOCATED ON FRONT LEFT DASH PANEL)



CONNECTOR 3601924C1
BODY LOCK 3601925C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	MTEM1	16	GY	1651969C1
2	MTEM2	16	GY	1651969C1
3	MTEM3	16	GY	1651969C1
4	MTEM4	16	GY	1651969C1
5	MTEM5	16	GY	1651969C1
6	MTEM6	16	GY	1651969C1
7	MTEM7	16	GY	1651969C1
8	MTEM8	16	GY	1651969C1
9	-	-	-	-
10	-	-	-	-
11	-	-	-	-
12	-	-	-	-

CHK	DATE	CHANGE	REV	REFERENCE
DLV1	28APR10	ADDED CONN 7207M	B	62476L
		AND 7208M.		

DRAWN 310615
NAME CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
RELEASE NO. 61229V
DATE 08JUN09
PART NO. AE08058187
SHEET 088

Figure 333 Connector Composites (7207M), (7208M), (7211), (7212), (7213), (7220)

https://truckmanualshub.com/

13.101. CONNECTOR COMPOSITES (7250/7250M), (7251M), (7350), P. 89

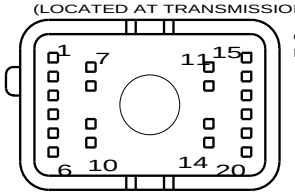
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ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

TCM BULKHEAD CONNECTOR
(7250 / 7250M)
(LOCATED AT TRANSMISSION TCM CONNECTION)

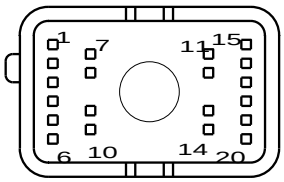


CONNECTOR 3605715C1
BODY LOCK 3606532C1

* W/ I6 ENGINE
W/ RETARDER
& W/ IBB ENGINE
@ W/ V8 ENGINE

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	K92#111	18	OR	3686945C1
2&	K92#155	18	TN	3686945C1
2	K92#155	18	WH	3686945C1
3	K92#177	18	LTGN	3686945C1
4	K92#136	18	OR	3686945C1
5	K92#152	18	LTGN	3686945C1
6&	K92#171	18	TN	3686945C1
6	K92#171	18	YL	3686945C1
7	–	–	–	–
8&	K92#174	18	TN	3686945C1
8	K92#174	18	LTBL	3686945C1
9	K92#133	18	YL	3686945C1
10	K92#151	18	WH	3686945C1
11	K92#131	18	YL	3686945C1
11#	K92B131	18	YL	3686945C1
11#&	K92A131	18	YL	3686945C1
12&	K92#137	18	TN	3686945C1
12	K92#137	18	WH	3686945C1
13&	K92#180	18	TN	3686945C1
13	K92#180	18	OR	3686945C1
14&	K92#120	18	LTBL	3686945C1
14	K92A120	18	LTBL	3686945C1
15	K92#116	18	LTBL	3686945C1
16&	K92#112	18	TN	3686945C1
16*	K92C112	18	PK	3686945C1
16&#	K92A112	18	TN	3686945C1
16@	K92A112	18	PK	3686945C1
17	K92#118	18	GY	3686945C1
18&	K92#154	18	TN	3686945C1
18	K31#154	18	TN	3686945C1
19&	K92#158	18	LTGN	3686945C1
19#@	K92A158	18	LTGN	3686945C1
19*	K92B158	18	LTGN	3686945C1
20	K92#176	18	YL	3686945C1

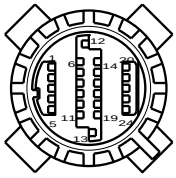
TRANSMISSION BULKHEAD 4000 (7251M)
(LOCATED AT TRANSMISSION BULKHEAD CONNECTION)



CONNECTOR 3605715C1
BODY LOCK 3606532C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	K92#111	18	OR	3686945C1
2	K92#155	18	WH	3686945C1
3	K92#177	18	LTGN	3686945C1
4	K92#136	18	OR	3686945C1
5	K92#152	18	LTGN	3686945C1
6	K92#171	18	YL	3686945C1
7	–	–	–	–
8	K92#174	18	LTBL	3686945C1
9	K92#133	18	YL	3686945C1
10	K92#151	18	WH	3686945C1
11	K92A131	18	YL	3686945C1
12	K92#137	18	WH	3686945C1
13	–	–	–	–
14	–	–	–	–
15	K92#116	18	LTBL	3686945C1
16	K92A112	18	PK	3686945C1
17	K92#118	18	GY	3686945C1
18	K31#154	18	TN	3686945C1
19	K92A158	18	LTGN	3686945C1
20	K92#176	18	YL	3686945C1

TRANSMISSION BULKHEAD (7350)
(LOCATED AT TRANSMISSION BULKHEAD CONNECTION)



CONNECTOR 3605714C1
BODY LOCK 3606526C1

* MUTUALLY EXCLUSIVE

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	K92#152	18	LTGN	3686945C1
2	K92#133	18	YL	3686945C1
3*	K92#151	18	WH	3686945C1
3*	K92#151	18	TN	3686945C1
4	K92#117	18	LTBL	3686945C1
5	–	–	–	–
6	K92#157	18	WH	3686945C1
7	K92#179	18	PK	3686945C1
8	K31#154	18	TN	3686945C1
9	K92#158	18	LTGN	3686945C1
10	K92#178	18	WH	3686945C1
11	K92#177	18	LTGN	3686945C1
12	–	–	–	–
13	–	–	–	–
14	K92#111	18	OR	3686945C1
15	K92#155	18	WH	3686945C1
16	K92#171	18	YL	3686945C1
17	K92#136	18	OR	3686945C1
18	K92#138	18	OR	3686945C1
19	K92#174	18	LTBL	3686945C1
20	K92#114	18	GY	3686945C1
21	K92#153	18	YL	3686945C1
22	K92#173	18	LTBL	3686945C1
23	K92#134	18	WH	3686945C1
24	K92#176	18	YL	3686945C1

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
CNA1	30SEP10	ADDED CIRC K92#118 TO	C	68076W	310615	CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
		REF 7250/7250M AND REF 7251M.			RELEASE NO. 61229V	DATE 08JUN09

PART NO. AE08058187 SHEET 089

Figure 334 Connector Composites (7250/7250M), (7251M), (7350)

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13.102. CONNECTOR COMPOSITES (7500M), (7500MA), (7502M), (7500W), (7600), (7600M), (7601), (7601M), P. 90

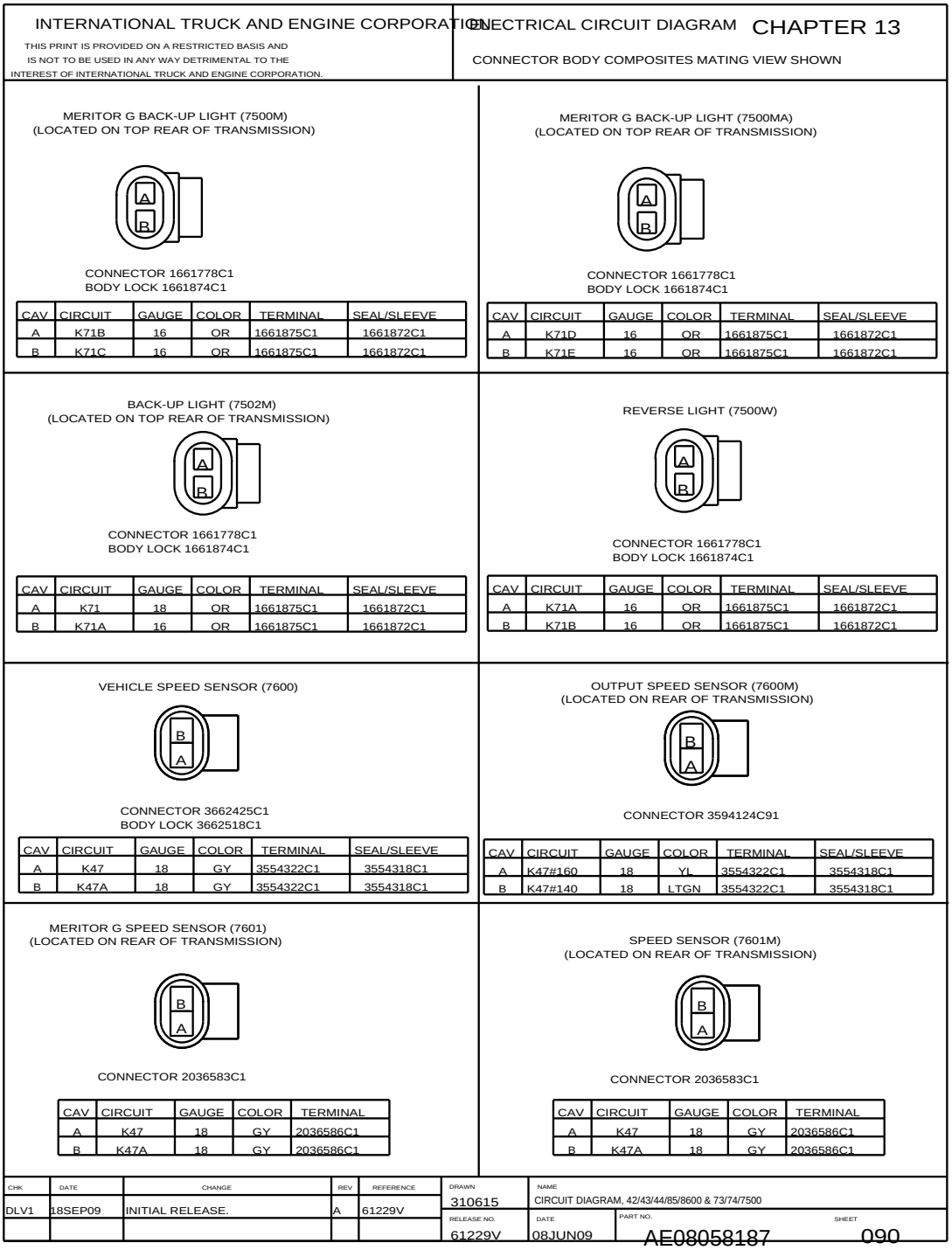


Figure 335 Connector Composites (7500M), (7500MA), (7502M), (7500W), (7600), (7600M), (7601), (7601M)

https://truckmanualshub.com/

13.103. CONNECTOR COMPOSITES (7603M), (7603/7603MA), (7604M), (7605/7605M), (7606M), (7607M), (7608M), (7609M), P. 91

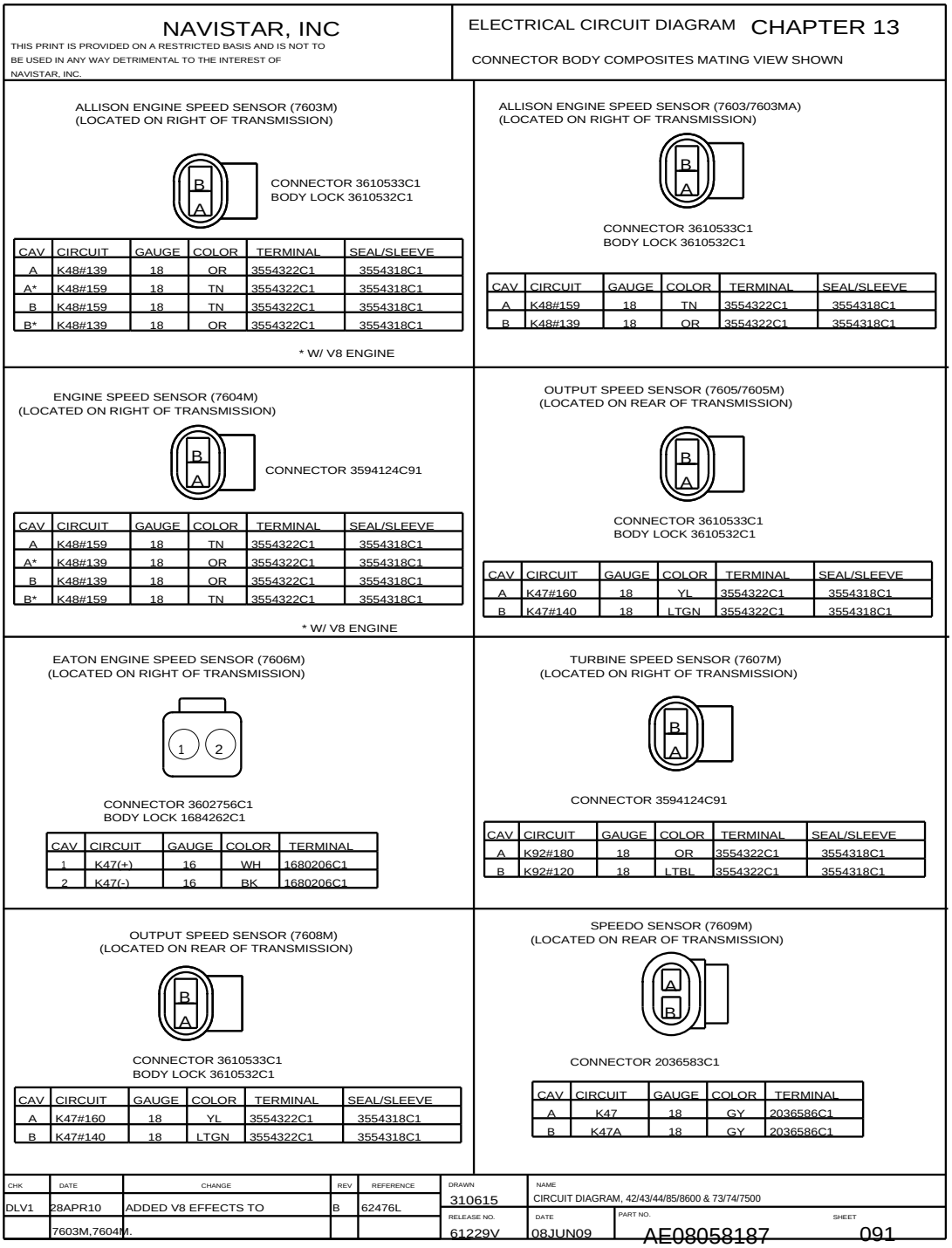


Figure 336 Connector Composites (7603M), (7603/7603MA), (7604M), (7605/7605M), (7606M), (7607M), (7608M), (7609M)

https://truckmanualshub.com/

13.104. CONNECTOR COMPOSITES (7611), (7615), (7621), (7700M/7700K), (7702), (7703), P. 92

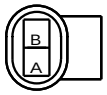
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ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

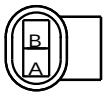
TRANSFER CASE JUMPER TO CENTER CHASSIS
(7611)
(LOCATED ON REAR OF TRANSMISSION)



CONNECTOR 1661778C1
BODY LOCK 1661874C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	K47	18	GY	1661875C1	3568570C1
B	K47A	18	GY	1661875C1	3568570C1

ALLISON TURBINE SPEED SENSOR (7615)
(LOCATED ON RIGHT OF TRANSMISSION)

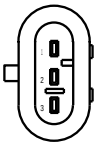


CONNECTOR 3610533C1
BODY LOCK 3610532C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	K92#180	18	OR	3554322C1	3554318C1
B*	K92C120	18	LTBL	3554322C1	3554318C1
B&	K92#120	18	DKBL	3554322C1	3554318C1

* W/ I6
& W/ IBB ENGINE

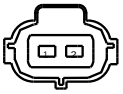
ODOMETER SHUT OFF (7621)
(LOCATED ON REAR OF TRANSMISSION)



CONNECTOR 2206589C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
1	N47TS	16	GY	2206584C1	3522193C1
2	N47T-G	18	GY	2206584C1	3522193C1
3	N47TV	18	GY	2206584C1	3522193C1

XMSN OIL TEMP SENSOR
(7700M / @7700K)
(LOCATED ON UNDERSIDE OF TRANSMISSION)

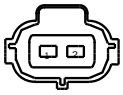


CONNECTOR 3536864C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
1	K31B	18	TN	3536865C1	3536868C1
1@	K31	18	TN	3561584C1	3536868C1
2	K9T	18	GY	3536865C1	3536868C1
2@&	K9AA	16	GY	3561584C1	3536868C1
2@&	K9AAD	18	GY	3561584C1	3536868C1

@ W/ IBB ENGINE
& MUTUALLY EXCLUSIVE

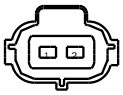
TRANSMISSION OIL TEMP SENSOR (7702)
(LOCATED ON UNDERSIDE OF TRANSMISSION)



CONNECTOR 3536864C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
1	K31F	18	TN	3536865C1	3536868C1
2	K9T	18	GY	3536865C1	3536868C1

TRANSMISSION OIL TEMP SENSOR (7703)
(LOCATED ON UNDERSIDE OF TRANSMISSION)



CONNECTOR 3536864C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
1	K31E	16	TN	3536865C1	3536868C1
2	K9T	18	GY	3536865C1	3536868C1

CHK	DATE	CHANGE	REV	REFERENCE
DLV1	28APR10	RVSD TITLE 7611,7700M	B	62476L
	/@7700K;RVD I6 ENG EFFECTS FROM 7700M.			

DRAWN 310615
NAME CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
RELEASE NO. 61229V
DATE 08JUN09
PART NO. AE08058187
SHEET 092

Figure 337 Connector Composites (7611), (7615), (7621), (7700M/7700K), (7702), (7703)

https://truckmanualshub.com/

13.105. CONNECTOR COMPOSITES (7777), (7801F), (7801L), (7801M), (7801M2), (7801R), P. 93

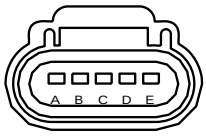
NAVISTAR, INC

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ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

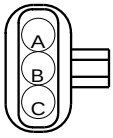
MAF/AAT (7777)
(LOCATED ON FRONT CENTER DASH PANEL)



CONNECTOR 3827829C1
BODY LOCK 3827830C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	K97E	18	PL	3535303C1	3535424C1
B	K97SA	18	PL	3535303C1	3535424C1
C	K97AS	18	PL	3535303C1	3535424C1
D	K97AT	18	PL	3535303C1	3535424C1
E	K97A-G	18	PL	3535303C1	3535424C1

TERMINATING RESISTOR (7801F)
(LOCATED NEAR THE ENGINE ECM CONNECTION)



CONNECTOR 1667740C1
BODY LOCK 1667771C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	K5E(+)	18	YL	1667742C1	3568570C1
B	PLUG	-	-	2025431C1	-
C	K5E(-)	18	GN	1667742C1	3568570C1

J1939 RESISTOR (7801M)
(LOCATED NEAR THE ENGINE ECM CONNECTION)



CONNECTOR 1667741C1
BODY LOCK 1667771C1

* W/ ALLISON LCT GEN IV
\# W/ ALLISON WTEC GEN IV
& BACK BONE
& W/ V8 ENGINE

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A#	K5C(+)	18	YL	1661875C1	3568570C1
A*	K5D(+)	18	YL	1661875C1	3568570C1
A&	K5C(+)	18	YL	1661875C1	3568570C1
B	PLUG	-	-	2025431C1	-
C#	K5C(-)	18	GN	1661875C1	3568570C1
C*	K5D(-)	18	GN	1661875C1	3568570C1
C&	K5C(-)	18	GN	1661875C1	3568570C1

J1939 RESISTOR (7801M2)
(LOCATED NEAR THE ENGINE ECM CONNECTION)



CONNECTOR 1667741C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	K5C(+)	18	YL	1661875C1	3568570C1
B	PLUG	-	-	2025431C1	-
C	K5C(-)	18	GN	1661875C1	3568570C1

INVERTER J1939 (7801R)
(LOCATED NEAR THE ENGINE ECM CONNECTION)



CONNECTOR 1667741C1
BODY LOCK 1667771C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	K5G(+)	18	YL	1661875C1	3568570C1
B	PLUG	-	-	2025431C1	-
C	K5G(-)	18	GN	1661875C1	3568570C1

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
DLV1	28APR10	RVSD TITLE 7801M2;	B	62476L	310615	CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
	ADDED V8 EFFECTS TO 7801M.				RELEASE NO. 61229V	DATE 08JUN09

PART NO. AE08058187 SHEET 093

Figure 338 Connector Composites (7777), (7801F), (7801L), (7801M), (7801M2), (7801R)

https://truckmanualshub.com/

13.106. CONNECTOR COMPOSITES (7802), (7803), (7900), (7901), P. 94

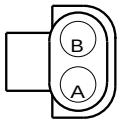
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ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

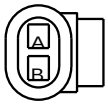
NEUTRAL SWITCH (7802)
(W/ IBB ENGINE)



CONNECTOR 3540051C91
BODY LOCK 0587579C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	K97J	18	VT	0587578C1	1652325C1
B	K97S	18	VT	0587578C1	1652325C1

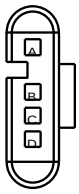
LIFT GATE (7803)



CONNECTOR 3822068C1
BODY LOCK 1661874C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	N112	16	GY	1661875C1	1661872C1
B	N112-GD	16	WH	1661875C1	1661872C1

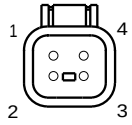
EATON T HANDLE SHIFTER (7900)



CONNECTOR 3540756C1
BODY LOCK 3540758C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	A92YD	16	TN	1661875C1	1661872C1
B	A92YE	18	TN	1661875C1	3568570C1
C	AK62P	18	DKBL	1661875C1	3568570C1
D	A62-GP	18	WH	1661875C1	3568570C1

PARK PAWL (7901)



CONNECTOR 3539141C1
BODY LOCK 3539146C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	K92BK	16	TN	3555249C1
2	K92RD	16	TN	3555249C1
3	K92YL	16	TN	3555249C1
4	K92BL	16	TN	3555249C1

CHK	DATE	CHANGE	REV	REFERENCE
DLV1	18SEP09	INITIAL RELEASE.	A	61229V

DRAWN 310615
NAME CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
RELEASE NO. 61229V
DATE 08JUN09
PART NO. AE08058187
SHEET 094

Figure 339 Connector Composites (7802), (7803), (7900), (7901)

https://truckmanualshub.com/

13.107. CONNECTOR COMPOSITES (7905), (7909), P. 95

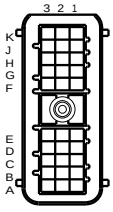
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ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

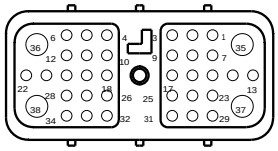
EATON AUTOSHIFT 3 (7905)
ULTRASHIFT 3 SELECTOR
(LOCATED IN INSTRUMENT PANEL NEAR SHIFTER)



CONNECTOR 3554089C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A1	PLUG	-	-	3554386C1
A2	PLUG	-	-	3554386C1
A3	PLUG	-	-	3554386C1
B1	PLUG	-	-	3554386C1
B2	PLUG	-	-	3554386C1
B3	A62P	18	DKBL	3565443C1
C1	A92YB	16	TN	3554090C1
C2	PLUG	-	-	3554386C1
C3	PLUG	-	-	3554386C1
D1	PLUG	-	-	3554386C1
D2	PLUG	-	-	3554386C1
D3	PLUG	-	-	3554386C1
E1	PLUG	-	-	3554386C1
E2	PLUG	-	-	3554386C1
E3	PLUG	-	-	3554386C1
F1	A92(+)	18	YL	3565443C1
F2	A92(-)	18	GN	3565443C1
F3	PLUG	-	-	3554386C1
G1	PLUG	-	-	3554386C1
G2	PLUG	-	-	3554386C1
G3	PLUG	-	-	3554386C1
H1	PLUG	-	-	3554386C1
H2	PLUG	-	-	3554386C1
H3	PLUG	-	-	3554386C1
J1	PLUG	-	-	3554386C1
J2	PLUG	-	-	3554386C1
J3	A92AE	16	TN	3554090C1
K1	PLUG	-	-	3554386C1
K2	PLUG	-	-	3554386C1
K3	PLUG	-	-	3554386C1

EATON GEN3 TCM (7909)
(LOCATED ON LEFT SIDE OF TRANSMISSION)



CONNECTOR 3599542C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	PLUG	-	-	3527276C1
2*	K5E(-)	18	GN	3555249C1
2**	K5E(-)	18	GN	3518963C1
3*	K5E(+)	18	YL	3555249C1
3**	K5E(+)	18	YL	3518963C1
4	K17K	18	PK	3555249C1
5	PLUG	-	-	3527276C1
6	PLUG	-	-	3527276C1
7	PLUG	-	-	3527276C1
8	PLUG	-	-	3527276C1
9	PLUG	-	-	3527276C1
10*	K3AC(+)	18	DKBL	3555249C1
10**	K3AC(+)	18	DKBL	3518963C1
11*	K3AC(-)	18	GY	3555249C1
11**	K3AC(-)	18	GY	3518963C1
12	PLUG	-	-	3527276C1
13	PLUG	-	-	3527276C1
14	PLUG	-	-	3527276C1
15	K92BL	16	TN	3555249C1
16	K92YL	16	TN	3555249C1
17	K92BK	16	TN	3555249C1
18	PLUG	-	-	3527276C1
19	PLUG	-	-	3527276C1
20	K92E	18	LTBL	3555249C1
21	K92F	18	LTGN	3555249C1
22	K92H	18	WH	3555249C1
23	PLUG	-	-	3527276C1
24	PLUG	-	-	3527276C1
25	K92AE	16	TN	3555249C1
26	K17J	16	PK	3555249C1
27	K92(-)	18	GN	3555249C1
28	K92(+)	18	YL	3555249C1
29	PLUG	-	-	3527276C1
30	PLUG	-	-	3527276C1
31%	K92YB	16	TN	3555249C1
31%	K92RD	16	TN	3555249C1
32	K17L	18	PK	3555249C1
33	PLUG	-	-	3527276C1
34	PLUG	-	-	3527276C1
35	K13D	14	PK	3557534C1
36	K11-GAM	12	WH	3557534C1
37	PLUG	-	-	3527276C1
38	K14AW	12	RD	3557534C1

* J1939 EATON GEN3
** J1939 EATON HYBRID GEN3
% MUTUALLY EXCLUSIVE

CHK	DATE	CHANGE	REV	REFERENCE
DLV1	18SEP09	INITIAL RELEASE.	A	61229V

DRAWN 310615
NAME CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
RELEASE NO. 61229V
DATE 08JUN09
PART NO. AE08058187
SHEET 095

Figure 340 Connector Composites (7905), (7909)

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13.108. CONNECTOR COMPOSITES (7910), (7911), P. 96

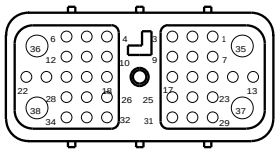
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ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

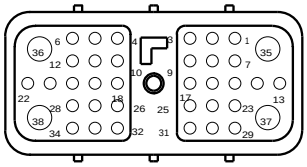
HCM (7910)



CONNECTOR 3599542C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	PLUG	-	-	3527276C1
2	K5BE(-)	18	GN	3518963C1
3	K5BE(+)	18	YL	3518963C1
4	K17A	16	WH	3518963C1
5	PLUG	-	-	3527276C1
6	PLUG	-	-	3527276C1
7	PLUG	-	-	3527276C1
8	PLUG	-	-	3527276C1
9	PLUG	-	-	3527276C1
10	K3G(+)	18	DKBL	3518963C1
11	K3G(-)	18	GY	3518963C1
12	PLUG	-	-	3527276C1
13	PLUG	-	-	3527276C1
14	PLUG	-	-	3527276C1
15	PLUG	-	-	3527276C1
16	PLUG	-	-	3527276C1
17	PLUG	-	-	3527276C1
18	PLUG	-	-	3527276C1
19	PLUG	-	-	3527276C1
20	K17	18	PK	3518963C1
21	PLUG	-	-	3527276C1
22	PLUG	-	-	3527276C1
23	K98D	18	BK	3518963C1
24	PLUG	-	-	3527276C1
25	PLUG	-	-	3527276C1
26	K17FA	16	PK	3518963C1
27	K98C(-)	18	GN	3518963C1
28	K98C(+)	18	YL	3518963C1
29	PLUG	-	-	3527276C1
30	PLUG	-	-	3527276C1
31	PLUG	-	-	3527276C1
32	K17B	18	PK	3518963C1
33	PLUG	-	-	3527276C1
34	PLUG	-	-	3527276C1
35	N13B	12	PK	3557534C1
36	K92-GC	12	WH	3557534C1
37	PLUG	-	-	3527276C1
38	K92C	12	RD	3557534C1

EATON HCM HYBRID (7911)



CONNECTOR 3665411C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	PLUG	-	-	3527276C1
2	N92DF	18	TN	3555249C1
3	PLUG	-	-	3527276C1
4	N92HB	18	TN	3555249C1
5	N92DC	18	TN	3555249C1
6	PLUG	-	-	3527276C1
7	PLUG	-	-	3527276C1
8	PLUG	-	-	3527276C1
9	PLUG	-	-	3527276C1
10	PLUG	-	-	3527276C1
11	N92DA	18	TN	3555249C1
12	PLUG	-	-	3527276C1
13	N92YA	18	TN	3555249C1
14	PLUG	-	-	3527276C1
15	PLUG	-	-	3527276C1
16	PLUG	-	-	3527276C1
17	N98E	18	BK	3555249C1
18	PLUG	-	-	3527276C1
19	N92DB	18	TN	3555249C1
20	PLUG	-	-	3527276C1
21	PLUG	-	-	3527276C1
22	PLUG	-	-	3527276C1
23	PLUG	-	-	3527276C1
24	PLUG	-	-	3527276C1
25	N98G	18	BK	3555249C1
26	N92HE	18	TN	3555249C1
27	PLUG	-	-	3527276C1
28	N92AA	18	TN	3518963C1
29	PLUG	-	-	3527276C1
30	PLUG	-	-	3527276C1
31	N98F	18	BK	3555249C1
32	N92HA	18	TN	3555249C1
33	N92DE	18	TN	3555249C1
34	PLUG	-	-	3527276C1
35	N92HC	12	TN	3557534C1
36	PLUG	-	-	3527276C1
37	N92HD	12	TN	3557534C1
38	PLUG	-	-	3527276C1

CHK	DATE	CHANGE	REV	REFERENCE
DLV1	18SEP09	INITIAL RELEASE.	A	61229V

DRAWN 310615

NAME CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500

RELEASE NO. 61229V

DATE 08JUN09

PART NO. AE08058187

SHEET 096

Figure 341 Connector Composites (7910), (7911)

https://truckmanualshub.com/

13.109. CONNECTOR COMPOSITES (8000), (8001), (8102), P. 97

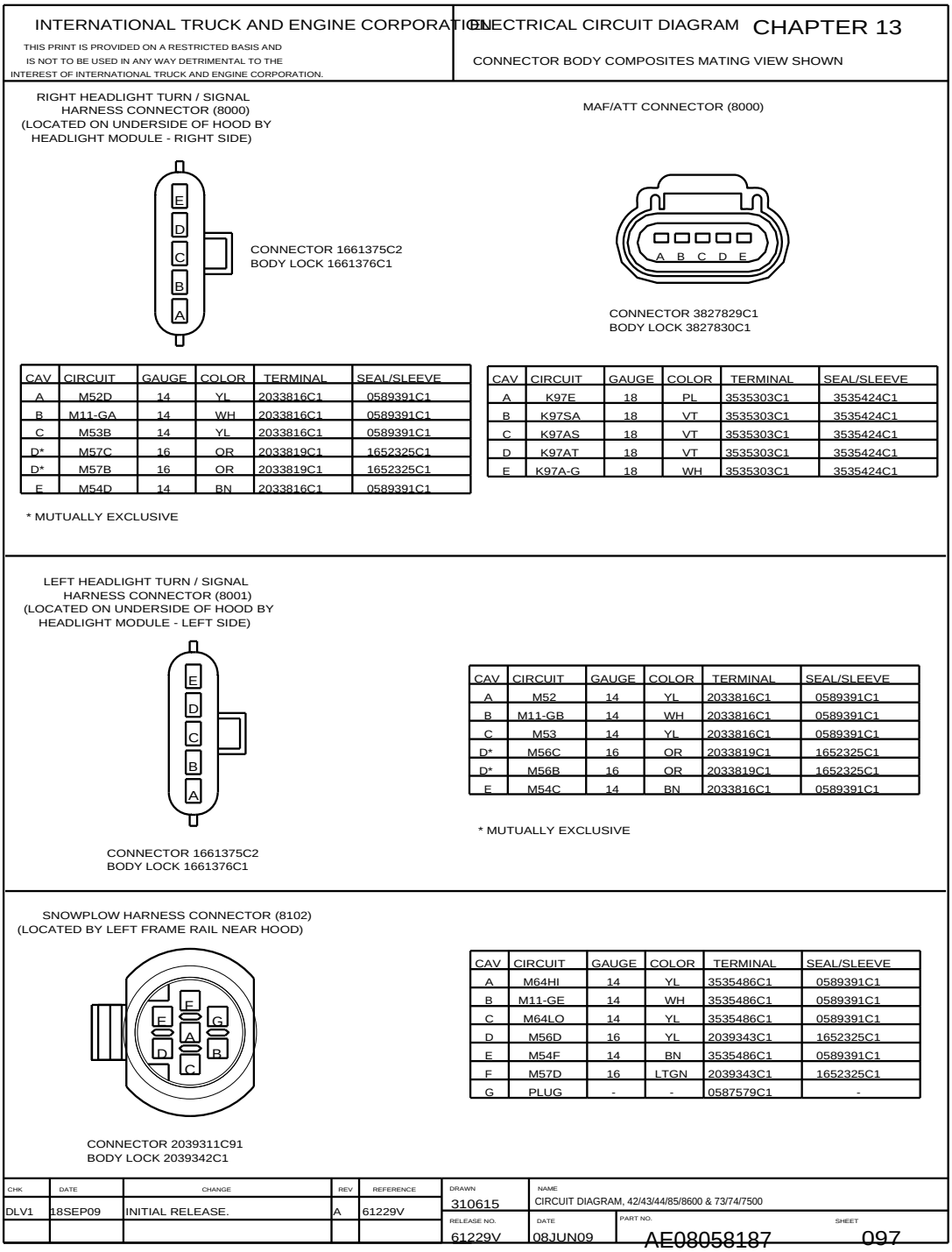


Figure 342 Connector Composites (8000), (8001), (8102)

https://truckmanualshub.com/

13.110. CONNECTOR COMPOSITES (8103), (8150), (8151), P. 98

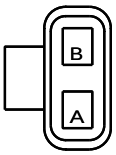
INTERNATIONAL TRUCK AND ENGINE CORPORATION

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ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

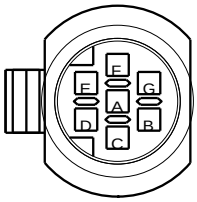
TRANSMISSION FUSE (8103)



CONNECTOR 1667639C1
BODY LOCK 1675451C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A	K14A	12	RD	1661708C1
B	K14D	12	RD	1661708C1

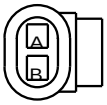
SNOWPLOW HARNESS CONNECTOR (8103)
(LOCATED BY LEFT FRAME RAIL NEAR HOOD)



CONNECTOR 2039311C91
BODY LOCK 2039342C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	M64HI	14	YL	3535486C1	0589391C1
B	M11-GE	14	WH	3535486C1	0589391C1
C	M64LO	14	YL	3535486C1	0589391C1
D	M56D	16	YL	2039343C1	1652325C1
E	M54F	14	BN	3535486C1	0589391C1
F	M57D	16	LTGN	2039343C1	1652325C1
G	PLUG	-	-	0587579C1	-

LEFT GUIDE POST LIGHT (8150)
(LOCATED ON HOOD LEFT SIDE)



CONNECTOR 1661778C1
BODY LOCK 1661874C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	M54H	16	BN	1661875C1	1661872C1
B	M54-GA	16	WH	1661875C1	1661872C1

RIGHT GUIDE POST LIGHT (8151)
(LOCATED ON HOOD RIGHT SIDE)



CONNECTOR 1661778C1
BODY LOCK 1661874C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	M54J	16	BN	1661875C1	1661872C1
B	M54-GB	16	WH	1661875C1	1661872C1

CHK	DATE	CHANGE	REV	REFERENCE
DLV1	18SEP09	INITIAL RELEASE.	A	61229V

DRAWN 310615
NAME CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
RELEASE NO. 61229V
DATE 08JUN09
PART NO. AE08058187
SHEET 098

Figure 343 Connector Composites (8103), (8150), (8151)

https://truckmanualshub.com/

13.111. CONNECTOR COMPOSITES (8200), (8201), (8301), (8303), (8305), (8311), P. 99

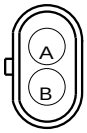
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ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

RIGHT FOG LIGHT (8200)
(LOCATED AT THE FORWARD END OF RIGHT FRAME RAIL)

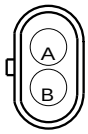


* W/ RH - HDD

CONNECTOR 0587567C91

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	M64B	16	YL	0587577C1	1652325C1
A*	M64A	16	YL	0587577C1	1652325C1
B	M64-GB	16	WH	0587577C1	1652325C1

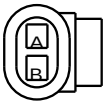
LEFT FOG LIGHT (8201)
(LOCATED AT THE FORWARD END OF LEFT FRAME RAIL)



CONNECTOR 0587567C91 * W/ RH - HDD

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	M64A	16	YL	0587577C1	1652325C1
A*	M64B	16	YL	0587577C1	1652325C1
B	M64-GA	16	WH	0587577C1	1652325C1

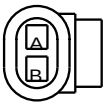
ELECTRIC HORN (8301)
(LOCATED ON LEFT FRAME RAIL BY ENGINE CROSSMEMBER)



CONNECTOR 1661778C1
BODY LOCK 1661874C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	M85E	16	GY	1661875C1	1661872C1
B	M85-GA	16	WH	1661875C1	1661872C1

ELECTRIC HORN #1 (8303)
(LOCATED UNDER ENGINE CROSSMEMBER)



* W/ SINGLE HORN
W/ DUAL HORN

CONNECTOR 1661778C1
BODY LOCK 1661874C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A#	M85H	16	GY	1661875C1	1661872C1
A*	M85E	16	GY	1661875C1	1661872C1
B	M85-GF	16	WH	1661875C1	1661872C1

ELECTRIC HORN #2 (8305)
(LOCATED UNDER ENGINE CROSSMEMBER)



CONNECTOR 1661778C1
BODY LOCK 1661874C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	M85J	16	GY	1661875C1	1661872C1
B	M85-GH	16	WH	1661875C1	1661872C1

ELECTRIC HORN #1 (8311)
(LOCATED UNDER ENGINE CROSSMEMBER)



CONNECTOR 1661778C1
BODY LOCK 1661874C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	M85L	16	GY	1661875C1	1661872C1
A**	M85E	16	GY	1661875C1	1661872C1
B	M85-GB	16	WH	1661875C1	1661872C1

** W/ SINGLE HORN W/ SS

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
DLV1	28APR10	CIRC M85-GH WAS	B	62476L	310615	CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
	M85-GG IN R/D 8305.				RELEASE NO. 61229V	DATE 08JUN09

PART NO. AE08058187 SHEET 099

Figure 344 Connector Composites (8200), (8201), (8301), (8303), (8305), (8311)

https://truckmanualshub.com/

13.112. CONNECTOR COMPOSITES (8312), (8410), (8500), (8501), (8502), (8502A), P. 100

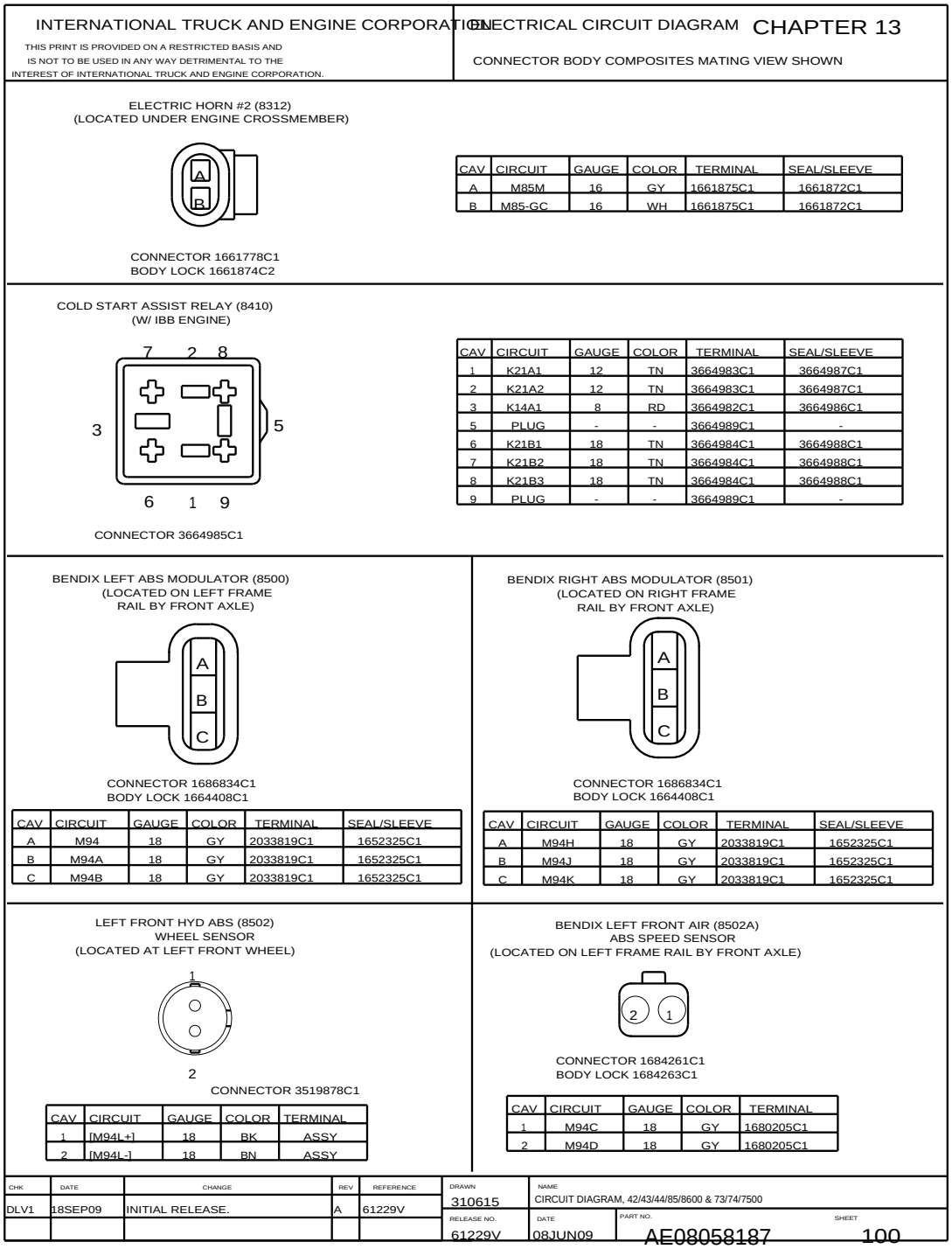


Figure 345 Connector Composites (8312), (8410), (8500), (8501), (8502), (8502A)

https://truckmanualshub.com/

13.113. CONNECTOR COMPOSITES (8503), (8503A), (8505), (8506), (8507), (8508), P. 101

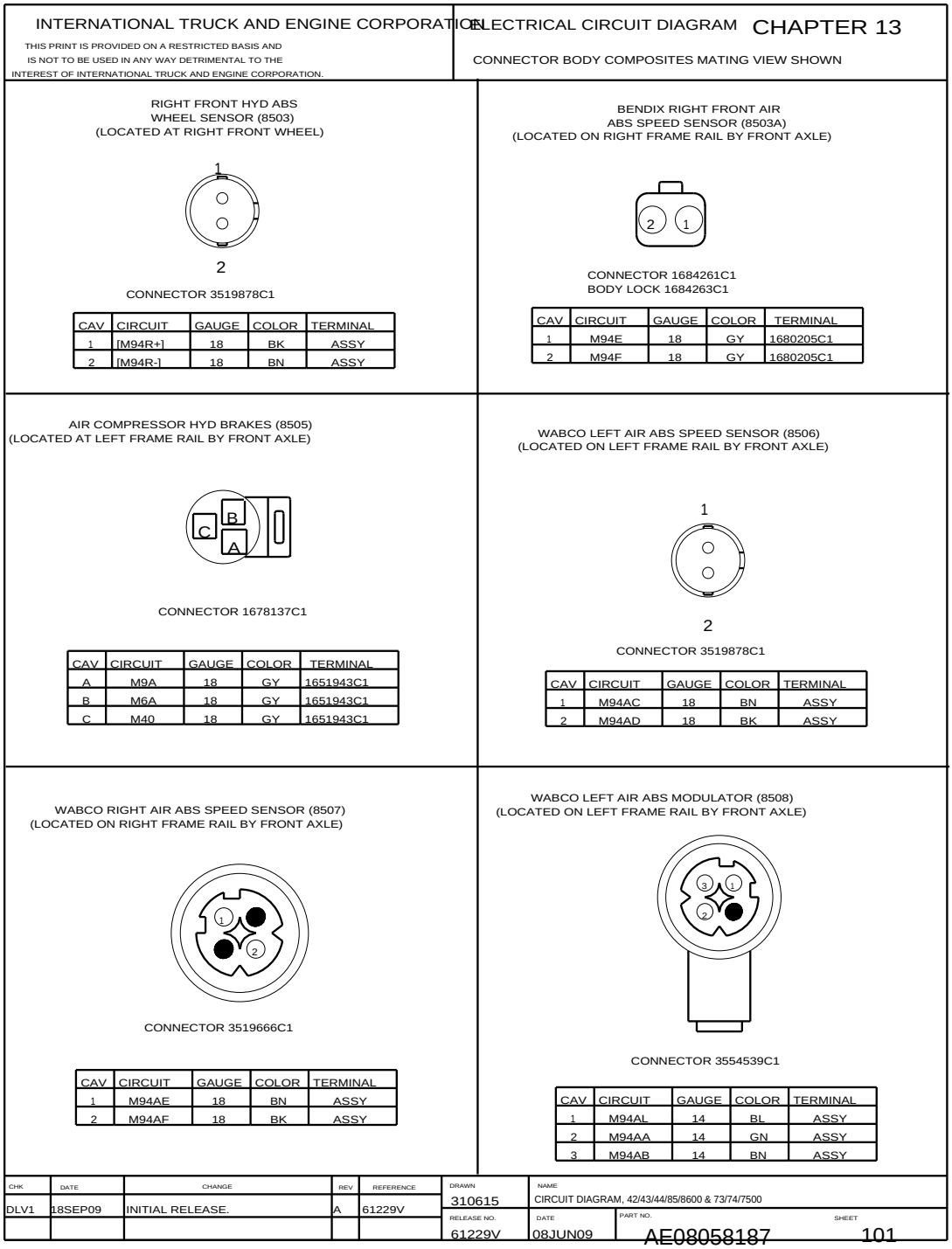


Figure 346 Connector Composites (8503), (8503A), (8505), (8506), (8507), (8508)

https://truckmanualshub.com/

13.114. CONNECTOR COMPOSITES (8509), (8602), (8700/8700B), (8701/8702), (8750), P. 102

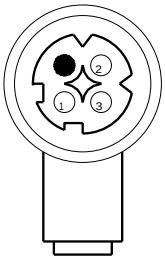
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ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

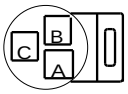
WABCO RIGHT AIR ABS MODULATOR (8509)
(LOCATED ON RIGHT FRAME RAIL BY FRONT AXLE)



CONNECTOR 3554540C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	M94AH	14	BL	ASSY
2	M94AJ	14	GN	ASSY
3	M94AK	14	BN	ASSY

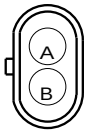
AC PRESSURE TRANSDUCER (8602)
(LOCATED ON AC LINE AT
FRONT RIGHT OF ENGINE)



CONNECTOR 1678137C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A	K9A	18	GY	1651943C1
B	K6A	18	GY	1651943C1
C	K77B	18	LTGN	1651943C1

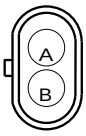
RIGHT HEATED MIRROR
FORWARD HOOD MTD
(8700 / 8700B)
(LOCATED ON HOOD LEFT SIDE)



CONNECTOR 0587567C91

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	M78AC	16	LTGN	0587577C1	1652325C1
B	M78-GA	16	WH	0587577C1	1652325C1

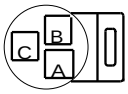
RIGHT HEATED MIRROR
FORWARD HOOD MTD
(8701 / 8702)
(LOCATED ON HOOD RIGHT SIDE)



CONNECTOR 0587567C91

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	M78BC	16	LTGN	0587577C1	1652325C1
B	M78-GB	16	WH	0587577C1	1652325C1

FRONT LOAD INDICATOR (8750)
(LOCATED AT FRONT LEFT SUSPENSION AIR BAG)



CONNECTOR 1678137C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A	M110AB	18	GY	1651943C1
B	M106A	18	GY	1651943C1
C	M61	18	GY	1651943C1

CHK	DATE	CHANGE	REV	REFERENCE
DLV1	28APR10	REMOVED CONN 8601;	B	62476L
		RVSD 8700,8701 TITLES.		

DRAWN 310615

NAME CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500

RELEASE NO. 61229V

DATE 08JUN09

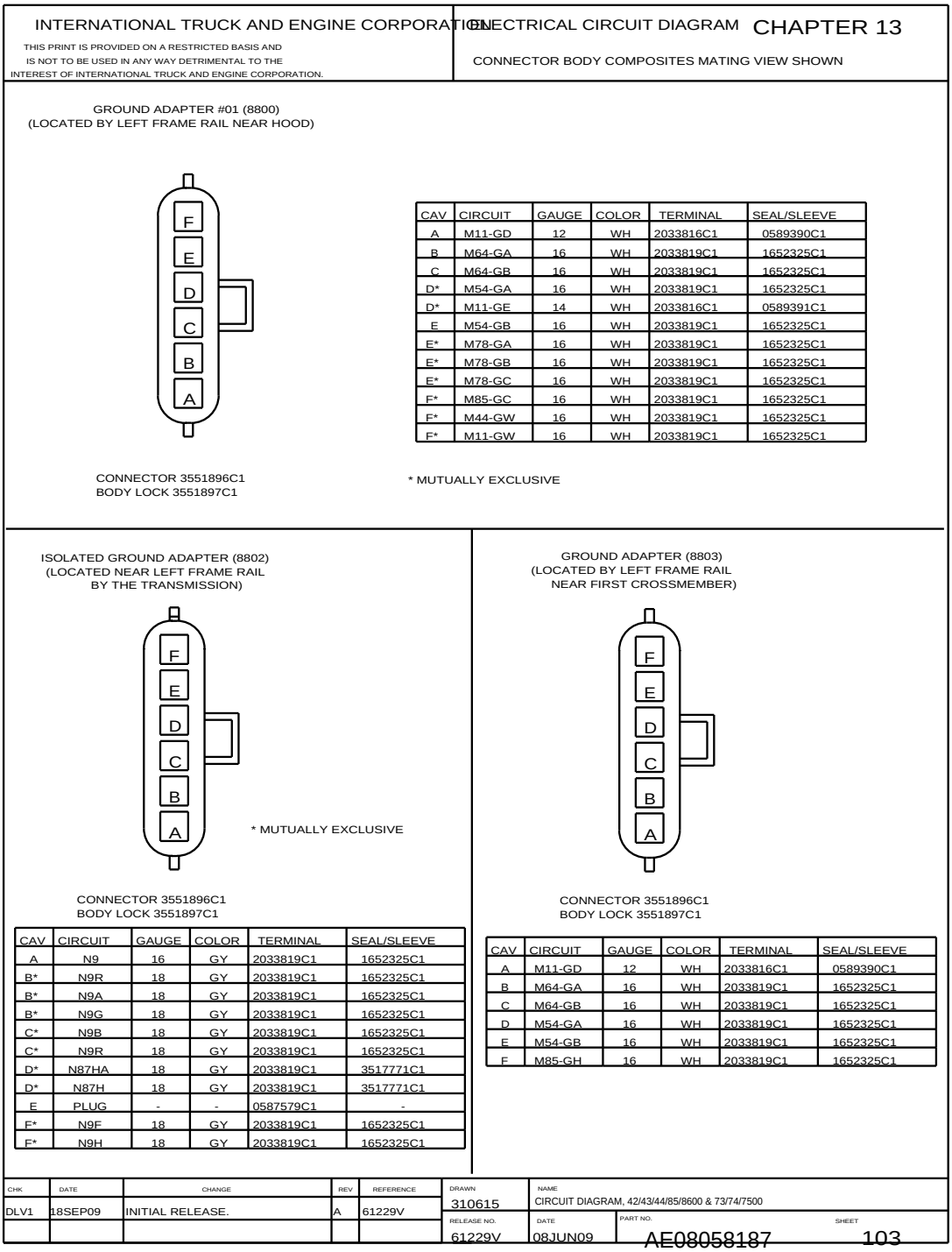
PART NO. AE08058187

SHEET 102

Figure 347 Connector Composites (8509), (8602), (8700/8700B), (8701/8702), (8750)

https://truckmanualshub.com/

13.115. CONNECTOR COMPOSITES (8800), (8802), (8803), P. 103



CAV	CIRCUIT	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*	M54-GA	16	WH	2033819C1	1652325C1
D*	M11-GE	14	WH	2033816C1	0589391C1
E	M54-GB	16	WH	2033819C1	1652325C1
E*	M78-GA	16	WH	2033819C1	1652325C1
E*	M78-GB	16	WH	2033819C1	1652325C1
E*	M78-GC	16	WH	2033819C1	1652325C1
F*	M85-GC	16	WH	2033819C1	1652325C1
F*	M44-GW	16	WH	2033819C1	1652325C1
F*	M11-GW	16	WH	2033819C1	1652325C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	N9	16	GY	2033819C1	1652325C1
B*	N9R	18	GY	2033819C1	1652325C1
B*	N9A	18	GY	2033819C1	1652325C1
B*	N9G	18	GY	2033819C1	1652325C1
C*	N9B	18	GY	2033819C1	1652325C1
C*	N9R	18	GY	2033819C1	1652325C1
D*	N87HA	18	GY	2033819C1	3517771C1
D*	N87H	18	GY	2033819C1	3517771C1
E	PLUG	-	-	0587579C1	-
F*	N9F	18	GY	2033819C1	1652325C1
F*	N9H	18	GY	2033819C1	1652325C1

CAV	CIRCUIT	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	M54-GA	16	WH	2033819C1	1652325C1
E	M54-GB	16	WH	2033819C1	1652325C1
F	M85-GH	16	WH	2033819C1	1652325C1

Figure 348 Connector Composites (8800), (8802), (8803)

https://truckmanualshub.com/

13.116. CONNECTOR COMPOSITES (8805), (8806), P. 104

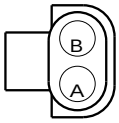
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ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

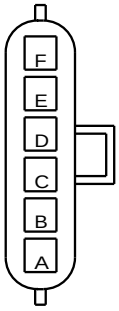
HOOD SWITCH (8805)
(LOCATED ON HOOD LEFT SIDE)



CONNECTOR 0587568C91

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	M104CC	18	DKBL	0587576C1	1652325C1
B	M104CB	18	DKBL	0587576C1	1652325C1

AIR SOLENOID ADAPTER (8805)
(LOCATED NEAR LEFT FRAME RAIL BACK OF CAB)

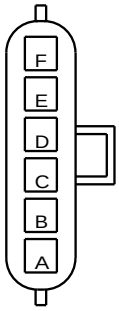


CONNECTOR 3551896C1
BODY LOCK 3551897C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	N59-G	12	WH	2033816C1	0589390C1
B*	N59A-G	14	WH	2033816C1	0589391C1
B*	N95A-G	16	WH	2033819C1	1652325C1
C*	N59F-G	14	WH	2033816C1	0589391C1
C*	N59X-G	14	WH	2033816C1	0589391C1
D	N59L-G	14	WH	2033816C1	0589391C1
E*	N59R-G	14	WH	2033816C1	0589391C1
E*	N59R-G	18	WH	2033819C1	1652325C1
F*	N44-GB	18	WH	2033819C1	1652325C1
F*	N19-G	16	WH	2033819C1	1652325C1

* MUTUALLY EXCLUSIVE

CHASSIS SOLENOID GROUND ADAPTER (8806)



CONNECTOR 3551896C1
BODY LOCK 3551897C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	N11-GC	14	WH	2033816C1	0589391C1
B*	N42-G	16	WH	2033819C1	1652325C1
B*	N42-G	18	WH	2033819C1	1652325C1
B*	N42-G	16	GY	2033819C1	1652325C1
C	N59-GB	18	WH	2033819C1	1652325C1
D*	N59-GD	18	WH	2033819C1	1652325C1
D*	N47T-G	18	GY	2033819C1	1652325C1
E	N59-GE	18	WH	2033819C1	1652325C1
F	N59-GA	18	WH	2033819C1	1652325C1

* MUTUALLY EXCLUSIVE

CHK	DATE	CHANGE	REV	REFERENCE
DLV1	28APR10	RVSD CHARTS:8805,	B	62476L
	8806.			

DRAWN 310615
NAME CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
RELEASE NO. 61229V
DATE 08JUN09
PART NO. AE08058187
SHEET 104

Figure 349 Connector Composites (8805), (8806)

https://truckmanualshub.com/

13.117. CONNECTOR COMPOSITES (8807), (8809), (8900), (8901M), P. 105

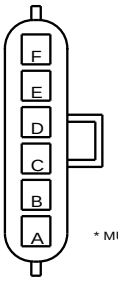
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ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

CHASSIS GROUND ADAPTER (8807)
(LOCATED NEAR LEFT FRAME RAIL BACK OF CAB)

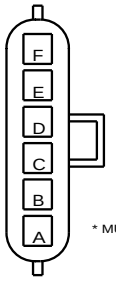


* MUTUALLY EXCLUSIVE

CONNECTOR 3551896C1
BODY LOCK 3551897C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	N11-GA	12	WH	2033816C1	0589390C1
B	N10-G	12	WH	2033816C1	0589391C1
C*	N39-GB	16	WH	2033819C1	1652325C1
C*	N39-GB	18	WH	2033819C1	1652325C1
D	N39-GF	18	WH	2033819C1	1652325C1
E*	N42-G	18	WH	2033819C1	1652325C1
E*	N11-GC	14	WH	2033816C1	0589391C1
E*	N42-G	16	WH	2033819C1	1652325C1
E*	N42-G	16	GY	2033819C1	1652325C1
E*	N10-GB	14	WH	2033816C1	0589391C1
F*	N11-GD	12	WH	2033816C1	0589390C1
F*	N11-GBB	12	WH	2033816C1	0589390C1
F*	N22-G	16	WH	2033819C1	1652325C1

CENTER GROUND ADAPTER (8809)
(LOCATED NEAR LEFT FRAME
RAIL BY ENGINE REAR AREA)

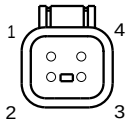


* MUTUALLY EXCLUSIVE

CONNECTOR 3551896C1
BODY LOCK 3551897C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	N11-GB	12	WH	2033816C1	0589390C1
B*	N37-G	18	WH	2033819C1	1652325C1
B*	N10-GK	16	WH	2033819C1	1652325C1
C*	N10-GS	14	WH	2033816C1	0589391C1
C*	N10-GR	14	WH	2033816C1	0589391C1
D*	N65-G	16	WH	2033819C1	1652325C1
D*	N11-GD	16	WH	2033819C1	1652325C1
D*	N112-GD	16	WH	2033819C1	1652325C1
E	N49-G	18	WH	2033819C1	1652325C1
F*	N59-G	12	WH	2033816C1	0589390C1
F*	N59A-G	16	WH	2033819C1	1652325C1

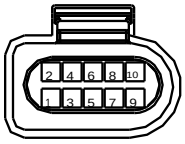
EATON VORAD ANTENNA ASSY (8900)
(LOCATED ON FRONT CROSSMEMBER)



CONNECTOR 3545577C1
BODY LOCK 3545579C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	M67A	16	VT	1651969C1
2	M67B	16	VT	1651969C1
3	M67C	16	VT	1651969C1
4	M67D	16	VT	1651969C1

VORAD VS-400 FORWARD RADAR (8901M)
(LOCATED ON FRONT CROSSMEMBER)



CONNECTOR 3673402C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
1	PLUG	-	-	3577744C1	-
2	PLUG	-	-	3577744C1	-
3	PLUG	-	-	3577744C1	-
4	M3(+)	18	YL	3673404C1	3573653C1
5	M3(-)	18	GN	3673404C1	3573653C1
6	PLUG	-	-	3577744C1	-
7	PLUG	-	-	3577744C1	-
8	PLUG	-	-	3577744C1	-
9	M67-GA	18	WH	3673404C1	3573653C1
10	M67AA	18	PK	3673404C1	3573653C1

CHK	DATE	CHANGE	REV	REFERENCE
DLV1	28APR10	MOVED R/D'S 9001/9002	B	62476L
	/9003,9001A	9100,9101,9102 TO SHEET 108.		

DRAWN 310615
NAME CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
RELEASE NO. 61229V
DATE 12JUN09
PART NO. AE08058187
SHEET 105

Figure 350 Connector Composites (8807), (8809), (8900), (8901M)

https://truckmanualshub.com/

13.118. CONNECTOR COMPOSITES (8995), (8996), (8997), P. 106

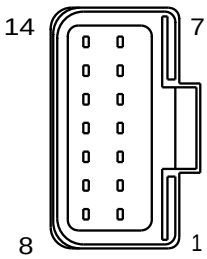
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ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

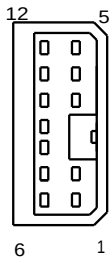
GROUND
(8995)



CONNECTOR 3613769C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	A11-GZ	18	WH	3613771C1
2	A11-G	18	WH	3613771C1
3	A11-GAA	18	WH	3613771C1
4	A11-GBA	18	WH	3613771C1
5	A11-GCA	18	WH	3613771C1
6	A11-GDA	18	WH	3613771C1
7	A11-GEA	18	WH	3613771C1
8	A11-GFA	18	WH	3613771C1
9	A11-GGA	18	WH	3613771C1
10	A11-GHA	18	WH	3613771C1
11	A11-GJA	18	WH	3613771C1
12	A11-GKA	18	WH	3613771C1
13	A11-GLA	18	WH	3613771C1
14	A11-GMA	18	WH	3613771C1

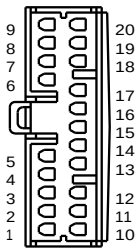
SEATBELT TO ROOF(1)
(8996)



CONNECTOR 3627614C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	A11-GAA	18	WH	3627612C1
2	A11-GA	18	WH	3627612C1
3	A11-GGA	18	WH	3627612C1
4	A11-GG	18	WH	3627612C1
5	A11-GBA	18	WH	3627612C1
6	A11-GB	18	WH	3627612C1
7	A11-GHA	18	WH	3627612C1
8	A11-GH	18	WH	3627612C1
9	A11-GCA	18	WH	3627612C1
10	A11-GC	18	WH	3627612C1
11	A11-GJA	18	WH	3627612C1
12	A11-GJ	18	WH	3627612C1

SEATBELT TO ROOF(2)
(8997)



CONNECTOR 2018590C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	A11-GDA	18	WH	2018639C1
2	A11-GD	18	WH	2018639C1
3	A11-GKA	18	WH	2018639C1
4	A11-GK	18	WH	2018639C1
5	A11-GEA	18	WH	2018639C1
6	A11-GE	18	WH	2018639C1
7	A11-GLA	18	WH	2018639C1
8	A11-GL	18	WH	2018639C1
9	A11-GFA	18	WH	2018639C1
10	A11-GF	18	WH	2018639C1
11	A11-GMA	18	WH	2018639C1
12	A11-GM	18	WH	2018639C1
13	-	-	-	-
14	-	-	-	-
15	-	-	-	-
16	-	-	-	-
17	-	-	-	-
18	-	-	-	-
19	-	-	-	-
20	-	-	-	-

CHK	DATE	CHANGE	REV	REFERENCE
DLV1	28APR10	MOVED 8807,8809,8900,	B	62476L
		8901M TO SHEET 105;ADDED 8995,8996,8997.		

DRAWN 310615

NAME CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500

RELEASE NO. 61229V

DATE 12JUN09

PART NO. AE08058187

SHEET 106

Figure 351 Connector Composites (8995), (8996), (8997)

https://truckmanualshub.com/

13.119. CONNECTOR COMPOSITES (8998), (8999), P. 107

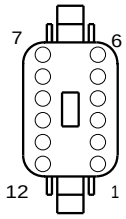
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ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

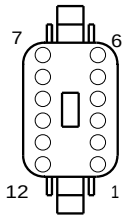
SEATBELT DATA RECORDER
(8998)



CONNECTOR 3601923C1
BODY LOCK 3601925C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	A11-G	18	WH	1680205C1
2	A14R	18	RD	1680205C1
3	A13P	20	PK	1680205C1
4	A3D(+)	20	DKBL	1680205C1
5	A3D(-)	20	GY	1680205C1
6	A5D(+)	18	YL	1680205C1
7	A5D(-)	18	GN	1680205C1
8	PLUG	-	-	0453133C1
9	PLUG	-	-	0453133C1
10	PLUG	-	-	0453133C1
11	PLUG	-	-	0453133C1
12	PLUG	-	-	0453133C1

SEATBELT SEAT INDICATOR
(8999)



CONNECTOR 3601923C1
BODY LOCK 3601925C1

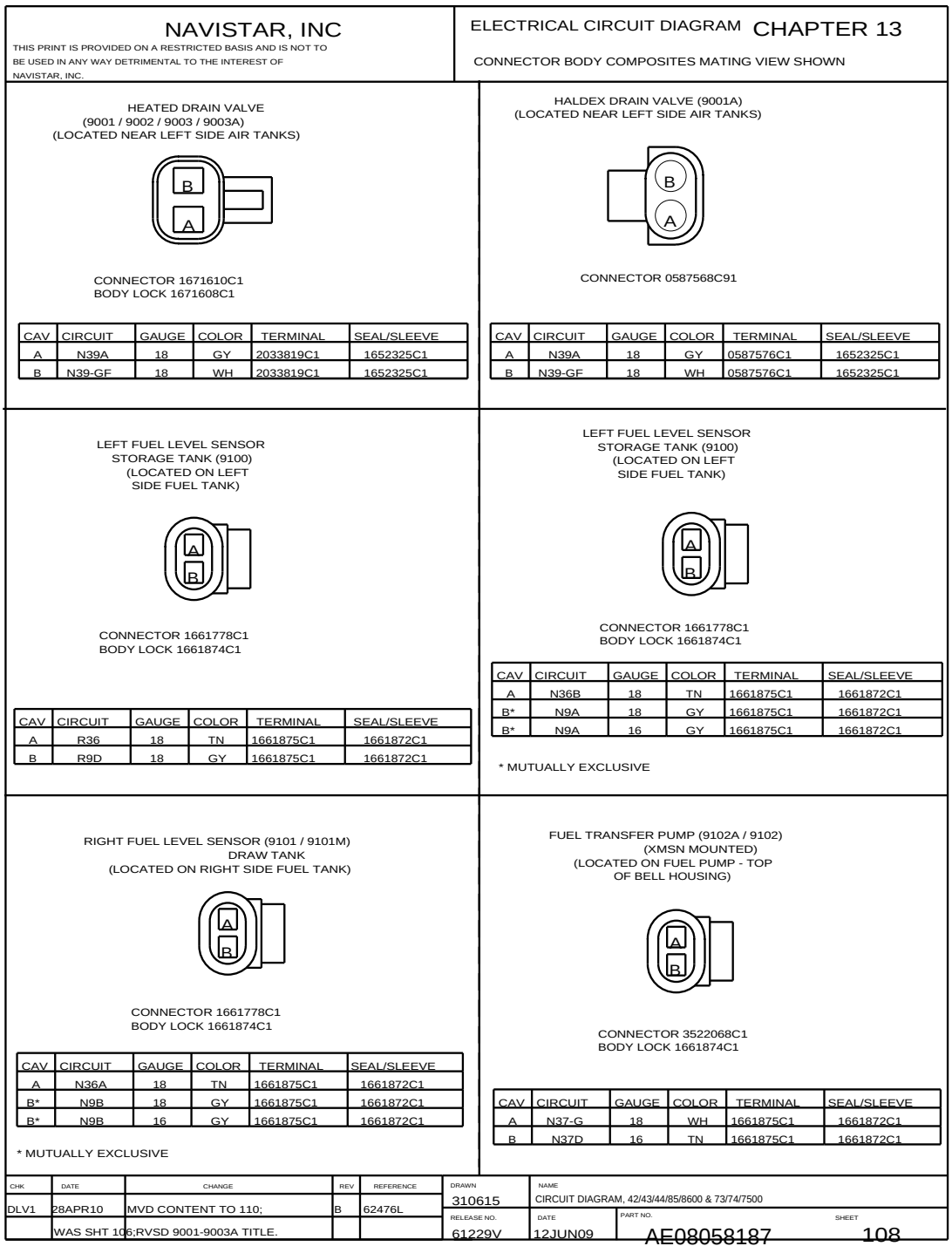
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	A11-GA	18	WH	1680205C1
2	A11-GB	18	WH	1680205C1
3	A11-GC	18	WH	1680205C1
4	A11-GD	18	WH	1680205C1
5	A11-GE	18	WH	1680205C1
6	A11-GF	18	WH	1680205C1
7	A11-GM	18	WH	1680205C1
8	A11-GL	18	WH	1680205C1
9	A11-GK	18	WH	1680205C1
10	A11-GJ	18	WH	1680205C1
11	A11-GH	18	WH	1680205C1
12	A11-GG	18	WH	1680205C1

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
DLV1	28APR10	MOVED CONTENT TO	B	62476L	310615	CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
	SHEET 109; ADDED 8998,8999.				RELEASE NO. 61229V	DATE 08JUN09 / PART NO. AE08058187 / SHEET 107

Figure 352 Connector Composites (8998), (8999)

https://truckmanualshub.com/

13.120. CONNECTOR COMPOSITES (9001/9002/9003/9003A), (9001A), (9100), (9101/9101M), (9102A/9102), P. 108



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ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

HEATED DRAIN VALVE
(9001 / 9002 / 9003 / 9003A)
(LOCATED NEAR LEFT SIDE AIR TANKS)

CONNECTOR 1671610C1
BODY LOCK 1671608C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	N39A	18	GY	2033819C1	1652325C1
B	N39-GF	18	WH	2033819C1	1652325C1

HALDEX DRAIN VALVE (9001A)
(LOCATED NEAR LEFT SIDE AIR TANKS)

CONNECTOR 0587568C91

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	N39A	18	GY	0587576C1	1652325C1
B	N39-GF	18	WH	0587576C1	1652325C1

LEFT FUEL LEVEL SENSOR
STORAGE TANK (9100)
(LOCATED ON LEFT
SIDE FUEL TANK)

CONNECTOR 1661778C1
BODY LOCK 1661874C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	R36	18	TN	1661875C1	1661872C1
B	R9D	18	GY	1661875C1	1661872C1

LEFT FUEL LEVEL SENSOR
STORAGE TANK (9100)
(LOCATED ON LEFT
SIDE FUEL TANK)

CONNECTOR 1661778C1
BODY LOCK 1661874C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	N36B	18	TN	1661875C1	1661872C1
B*	N9A	18	GY	1661875C1	1661872C1
B*	N9A	16	GY	1661875C1	1661872C1

* MUTUALLY EXCLUSIVE

RIGHT FUEL LEVEL SENSOR (9101 / 9101M)
DRAW TANK
(LOCATED ON RIGHT SIDE FUEL TANK)

CONNECTOR 1661778C1
BODY LOCK 1661874C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	N36A	18	TN	1661875C1	1661872C1
B*	N9B	18	GY	1661875C1	1661872C1
B*	N9B	16	GY	1661875C1	1661872C1

* MUTUALLY EXCLUSIVE

FUEL TRANSFER PUMP (9102A / 9102)
(XMSN MOUNTED)
(LOCATED ON FUEL PUMP - TOP
OF BELL HOUSING)

CONNECTOR 3522068C1
BODY LOCK 1661874C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	N37-G	18	WH	1661875C1	1661872C1
B	N37D	16	TN	1661875C1	1661872C1

CHK	DATE	CHANGE	REV	REFERENCE
DLV1	28APR10	MVD CONTENT TO 110;	B	62476L
		WAS SHT 106;RVSD 9001-9003A TITLE.		

DRAWN 310615
NAME CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
RELEASE NO. 61229V
DATE 12JUN09
PART NO. AE08058187
SHEET 108

Figure 353 Connector Composites (9001/9002/9003/9003A), (9001A), (9100), (9101/9101M), (9102A/9102)

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13.121. CONNECTOR COMPOSITES (9103), (9108A/9108B), (9260), (9261), (9266), (9269), (9270), P. 109

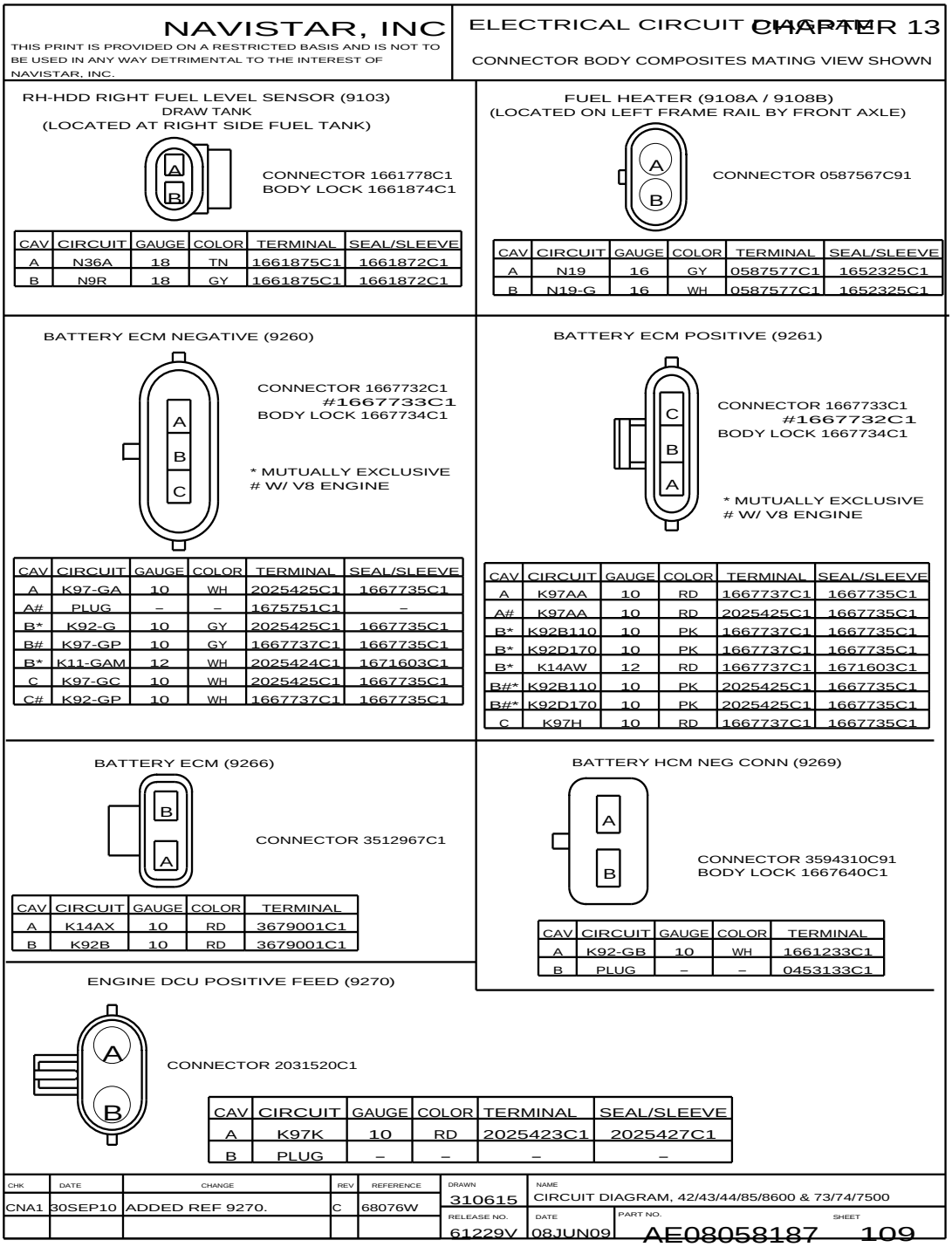


Figure 354 Connector Composites (9103), (9108A/9108B), (9260), (9261), (9266), (9269), (9270)

https://truckmanualshub.com/

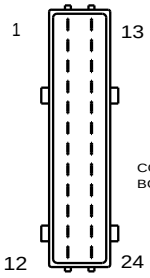
13.122. CONNECTOR COMPOSITES (9300), (9303A), P. 110

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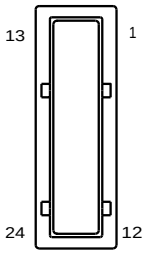
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN



FORWARD CHASSIS / CENTER CHASSIS (9300)
(LOCATED ON LEFT FRAME RAIL BEHIND CAB)

CONNECTOR 3558022C1
BODY LOCK 3558056C1



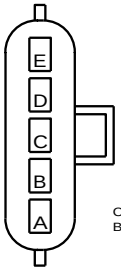
CONNECTOR 3558026C1
BODY LOCK 3558056C1

* MUTUALLY EXCLUSIVE

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
1	M6VDC	18	GY	3559036C1	3509903C1
2	M9VA	18	GY	3559036C1	3509903C1
3	MA2	18	GY	3559036C1	3509903C1
4	MA4	18	GY	3559036C1	3509903C1
5	MA5	18	GY	3559036C1	3509903C1
6	MA3	18	GY	3559036C1	3509903C1
7	MA1	18	GY	3559036C1	3509903C1
8	M11-GM	18	GY	3559036C1	3509903C1
9	PLUG	-	-	3532129C1	-
10	PLUG	-	-	3532129C1	-
11	PLUG	-	-	3532129C1	-
12	PLUG	-	-	3532129C1	-
13	PLUG	-	-	3532129C1	-
14	PLUG	-	-	3532129C1	-
15	PLUG	-	-	3532129C1	-
16	PLUG	-	-	3532129C1	-
17	PLUG	-	-	3532129C1	-
18	PLUG	-	-	3532129C1	-
19	PLUG	-	-	3532129C1	-
20	PLUG	-	-	3532129C1	-
21	PLUG	-	-	3532129C1	-
22	K19A	16	GY	3559037C1	-
23	M39B	16	GY	3559037C1	3509903C1
24	M39-GB	16	WH	3559037C1	3509903C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
1	N6VDC	18	GY	3509874C1	3509903C1
2	N9VA	18	GY	3509874C1	3509903C1
3	NA2	18	GY	3509874C1	3509903C1
4	NA4	18	GY	3509874C1	3509903C1
5	NA5	18	GY	3509874C1	3509903C1
6	NA3	18	GY	3509874C1	3509903C1
7	NA1	18	GY	3509874C1	3509903C1
8	N11-GM	18	GY	3509874C1	3509903C1
9	N73R	16	LTBL	3559035C1	3509903C1
9	N67AB	16	PK	3559035C1	3509903C1
10*	N73M	16	LTBL	3559035C1	3509903C1
10*	N67B	16	GY	3559035C1	3509903C1
11*	N73AF	16	LTBL	3559035C1	3509903C1
11*	N67C	16	GY	3559035C1	3509903C1
12	N67D	16	GY	3559035C1	3509903C1
13	PLUG	-	-	3532129C1	-
14	N22B	18	TN	3509874C1	3509903C1
15	N22A	18	TN	3509874C1	3509903C1
16	N98(+)	18	BK	3509874C1	3532128C1
17	N98(-)	18	BK	3509874C1	3532128C1
18	N3C(+)	18	DK BL	3509874C1	3532128C1
19	N3C(-)	18	GY	3509874C1	3532128C1
20	PLUG	-	-	3532129C1	-
21	PLUG	-	-	3532129C1	-
22	NF19A	16	GY	3559035C1	3509903C1
23	N39B	16	GY	3559035C1	3509903C1
24	N39-GB	16	WH	3559035C1	3509903C1

STOP TAIL AND TURN (9303A)
(LOCATED AT REAR END OF LEFT FRAME RAIL)



CONNECTOR 1661375C2
BODY LOCK 1661376C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	R71	14	OR	2033816C1	0589391C1
B	R56	14	OR	2033816C1	0589391C1
C	R57	14	OR	2033816C1	0589391C1
D	R68	14	BN	2033816C1	0589391C1
E	R10-G	12	WH	2033816C1	0589391C1

CHK	DATE	CHANGE	REV	REFERENCE
DLV1	28APR10	MVD CONTENT TO 112;	B	62476L
		WAS SHT 108;ADDED TEXT.		

DRAWN 310615
NAME CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
RELEASE NO. 61229V
DATE 08JUN09
PART NO. AE08058187
SHEET 110

Figure 355 Connector Composites (9300), (9303A)

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13.123. CONNECTOR COMPOSITES (9310), (9311), (9315), (9316), (9501), (9502), (9503), (9504), P. 111

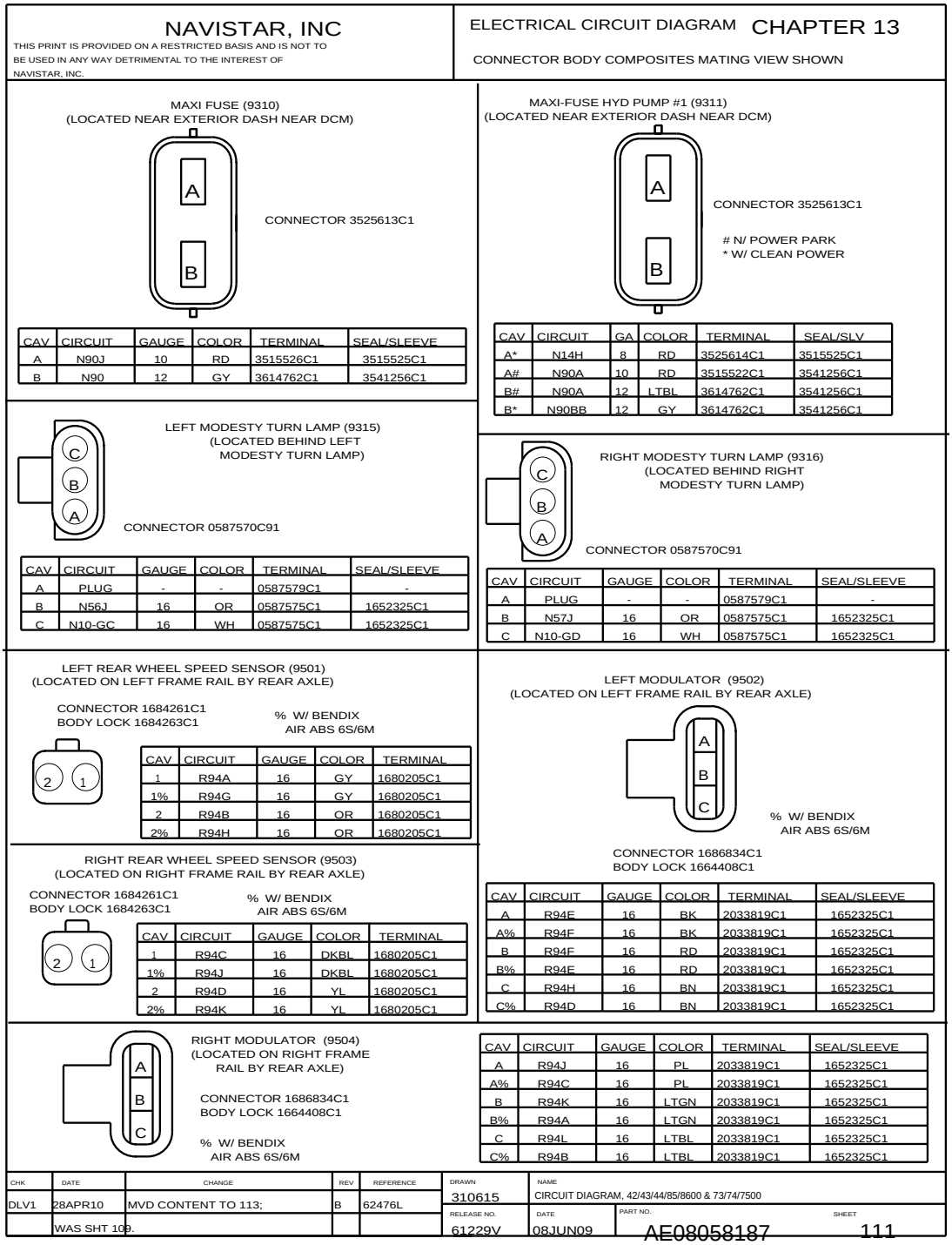


Figure 356 Connector Composites (9310), (9311), (9315), (9316), (9501), (9502), (9503), (9504)

https://truckmanualshub.com/

13.124. CONNECTOR COMPOSITES (9506), (9510), (9510A), (9510B), (9510F/9510), (9510M), P. 112

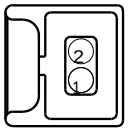
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ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

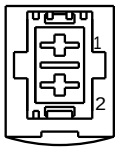
SUPPLY VALVE (9506)
(LOCATED NEAR LEFT FRAME RAIL IN FRONT OF REAR AXLE)



CONNECTOR 3578644C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
1	N44B	18	GY	3509874C1	3532128C1
2	N90E-G	18	WH	3509874C1	3509903C1

PUMP MOTOR #1 (9510)
(LOCATED NEAR LEFT FRAME RAIL BEHIND THE CAB)

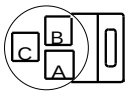


N/ POWER PARK
* W/ CLEAN POWER

CONNECTOR 3573656C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
1	N90A-G	12	WH	3573654C1	3573655C1
2#	N90A	12	LTBL	3573654C1	3615148C1
2*	N90BB	12	GY	3573654C1	3615148C1

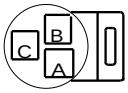
RSP TRANSDUCER (9510A)
(LOCATED ON REAR SUSPENSION AIR BAG-RIGHT SIDE)



CONNECTOR 1678137C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A	R94SZC	16	GY	1651943C1
B	R94SVC	16	GY	1651943C1
C	R94SH	16	GY	1651943C1

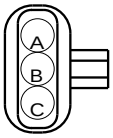
REAR RSP TRANSDUCER (9510B)
(LOCATED ON REAR SUSPENSION AIR BAG-LEFT SIDE)



CONNECTOR 1678137C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A	R94SZC	16	GY	1651943C1
B	R94SVC	16	GY	1651943C1
C	R94SH	16	GY	1651943C1

RSP TRANSDUCER (9510F / &9510)
(LOCATED ON LEFT FRAME RAIL BEHIND CAB)



CONNECTOR 1667740C1
BODY LOCK 1667771C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	N94SZC	16	GY	1667742C1	1661872C1
A&	N94SZC	18	GY	1667742C1	1661872C1
B	N94SVC	16	GY	1667742C1	1661872C1
B&	N94SVC	18	GY	1667742C1	1661872C1
C	N94SH	16	GY	1667742C1	1661872C1
C&	N94SH	18	GY	1667742C1	1661872C1

RSP TRANSDUCER (9510M)
(LOCATED ON LEFT FRAME RAIL BEHIND CAB)



CONNECTOR 1667741C1
BODY LOCK 1667771C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	R94SZC	16	GY	1661875C1	1661872C1
B	R94SVC	16	GY	1661875C1	1661872C1
C	R94SH	16	GY	1661875C1	1661872C1

CHK	DATE	CHANGE	REV	REFERENCE
DLV1	28APR10	MVD CONTENTS TO 114;	B	62476L
		WAS SHT 110.		

DRAWN 310615
NAME CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
RELEASE NO. 61229V
DATE 08JUN09
PART NO. AE08058187
SHEET 112

Figure 357 Connector Composites (9506), (9510), (9510A), (9510B), (9510F/9510), (9510M)

https://truckmanualshub.com/

13.125. CONNECTOR COMPOSITES (9511), P. 113

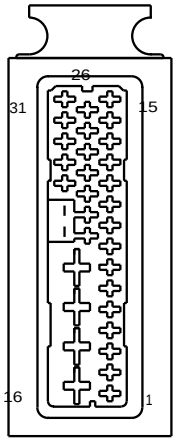
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ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

FULL POWER CONNECTOR (9511)
(LOCATED NEAR LEFT FRAME RAIL BEHIND THE CAB)



CONNECTOR 3573648C2
BODY LOCK 1 3573650C1
BODY LOCK 2 3573651C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
1*	N90C	18	GY	3573652C1	3573653C1
1*	N90E	18	GY	3573652C1	3573653C1
2	PLUG	-	-	3577744C1	-
3	N90F	18	GY	3573652C1	3573653C1
4	N44B	18	GY	3573652C1	3573653C1
5	N44C	18	GY	3573652C1	3573653C1
6	N90K	18	GY	3573652C1	3573653C1
7	N44D	18	GY	3573652C1	3573653C1
8	PLUG	-	-	3577744C1	-
9	N90H	18	GY	3573652C1	3573653C1
10	N90BA	18	GY	3573652C1	3573653C1
11	N44A	18	GY	3573652C1	3573653C1
12	PLUG	-	-	3577744C1	-
13	PLUG	-	-	3577744C1	-
14	N5C(+)	18	YL	3573652C1	3573653C1
15	N5C(-)	18	GN	3573652C1	3573653C1
16	N90	12	GY	3573654C1	3615148C1
17	N94L	12	GY	3573654C1	3573655C1
18	N90-G	12	WH	3573654C1	3573655C1
19	N94-GB	12	WH	3573654C1	3573655C1
20	PLUG	-	-	3573652C1	-
21	PLUG	-	-	3577744C1	-
22	N94N(+)	18	GY	3573652C1	3573653C1
23	N94M(-)	18	GY	3573652C1	3573653C1
24	N94L(-)	18	GY	3573652C1	3573653C1
25	N94R(-)	18	GY	3573652C1	3573653C1
26	N3C(-)	18	GY	3573652C1	3573653C1
27	N94N(-)	18	GY	3573652C1	3573653C1
28	N94M(+)	18	GY	3573652C1	3573653C1
29	N94L(+)	18	GY	3573652C1	3573653C1
30	N94R(+)	18	GY	3573652C1	3573653C1
31	N3C(+)	18	DKBL	3573652C1	3573653C1

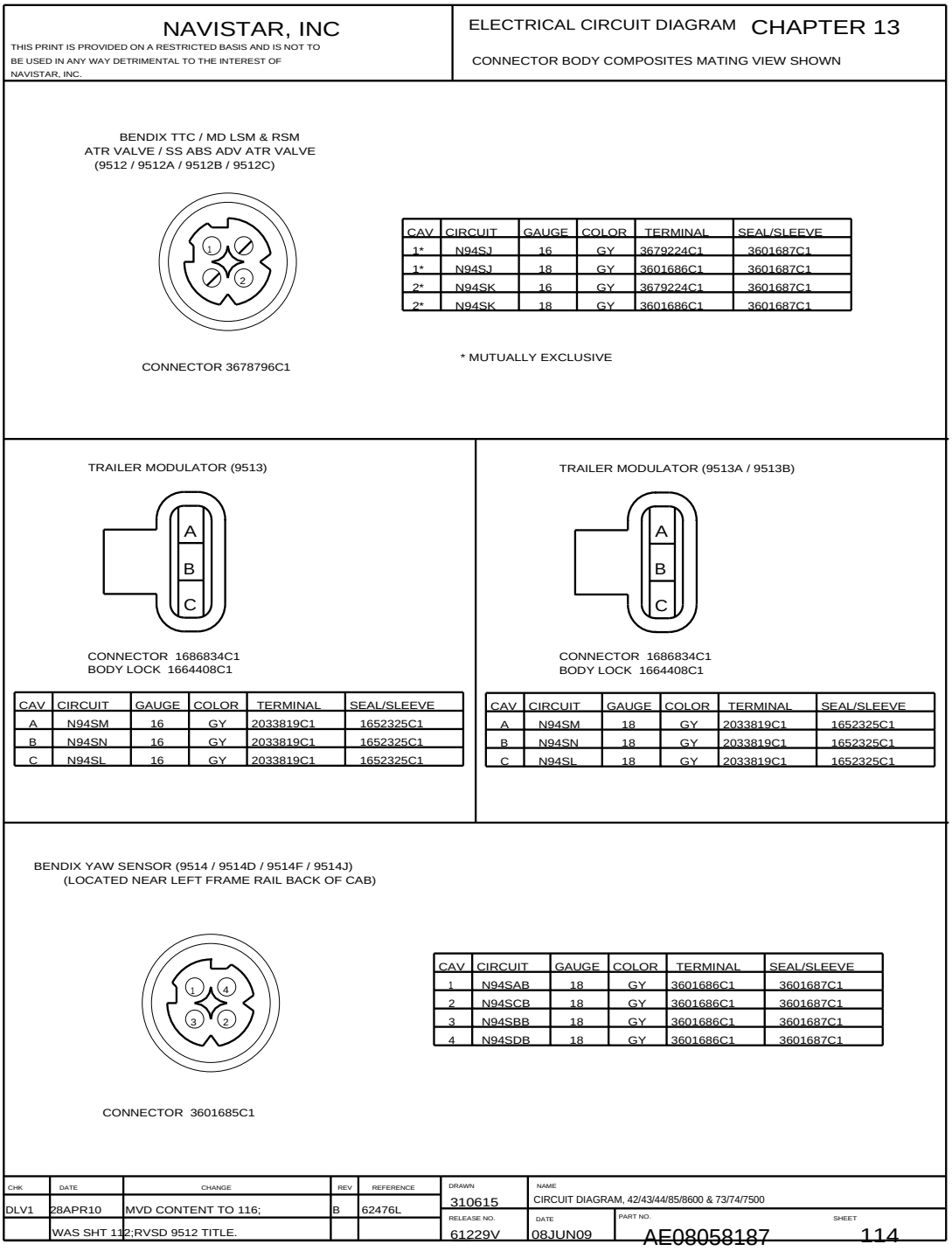
* MUTUALLY EXCLUSIVE

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
DLV1	28APR10	MVD CONTENT TO 115;	B	62476L	310615	CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
	WAS SHT 111.				RELEASE NO. 61229V	DATE 08JUN09 / PART NO. AE08058187 / SHEET 113

Figure 358 Connector Composites (9511)

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13.126. CONNECTOR COMPOSITES (9512/9512A/9512B/9512C), (9513), (9513A/9513B), (9514/9514D/9514F/9514J), P. 114



CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
1*	N94SJ	16	GY	3679224C1	3601687C1
1*	N94SJ	18	GY	3601686C1	3601687C1
2*	N94SK	16	GY	3679224C1	3601687C1
2*	N94SK	18	GY	3601686C1	3601687C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	N94SM	16	GY	2033819C1	1652325C1
B	N94SN	16	GY	2033819C1	1652325C1
C	N94SL	16	GY	2033819C1	1652325C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	N94SM	18	GY	2033819C1	1652325C1
B	N94SN	18	GY	2033819C1	1652325C1
C	N94SL	18	GY	2033819C1	1652325C1

CAV	CIRCUIT	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

CHK	DATE	CHANGE	REV	REFERENCE
DLV1	28APR10	MVD CONTENT TO 116;	B	62476L
		WAS SHT 112;RVSD 9512 TITLE.		

NAME: CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500

Figure 359 Connector Composites (9512/9512A/9512B/9512C), (9513), (9513A/9513B), (9514/9514D/9514F/9514J)

https://truckmanualshub.com/

13.127. CONNECTOR COMPOSITES (9516), (9517), (9518), (9519), (9520), (9521), (9522), (9523), (9524), P. 115

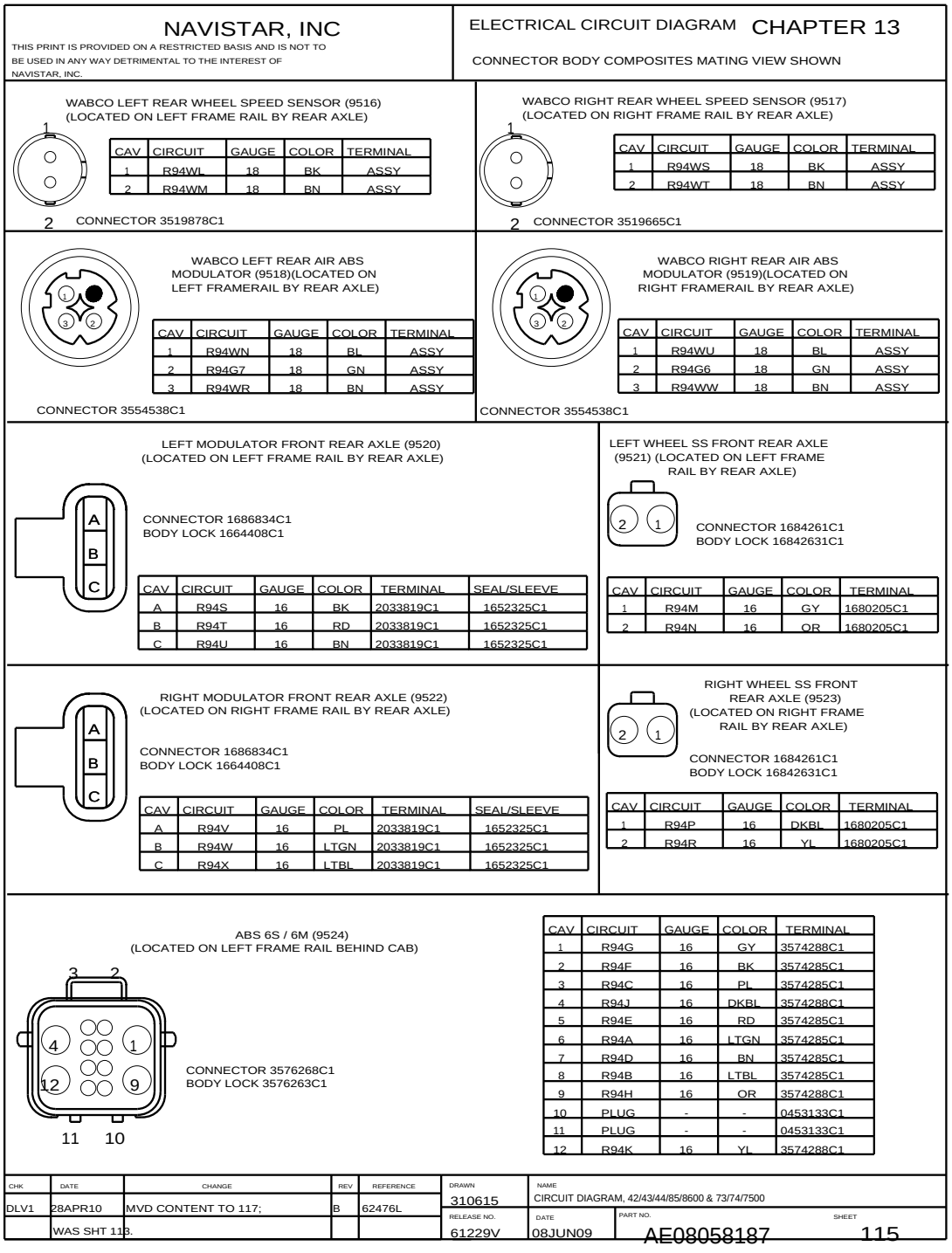


Figure 360 Connector Composites (9516), (9517), (9518), (9519), (9520), (9521), (9522), (9523), (9524)

https://truckmanualshub.com/

13.128. CONNECTOR COMPOSITES (9524), (9530), (9625), P. 116

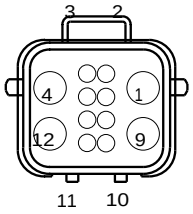
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ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

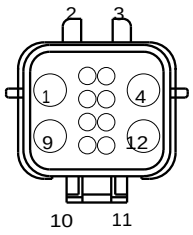
CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

ABS RSP CONN
(9524)
(CENTER CHASSIS / FORWARD CHASSIS)
(LOCATED ON DASH PANEL LEFT SIDE UPPER)



CONNECTOR 3576268C1
BODY LOCK 3576263C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	N94SAB	18	GY	3574289C1
2	N94SCB	18	GY	2003343C1
3	N94SBB	18	GY	2003343C1
4	N94SDB	18	GY	3574289C1
5	N94SJ	16	GY	3574285C1
6	N94SK	16	GY	3574285C1
7	N94SM	16	GY	3574285C1
8	N94SN	16	GY	3574285C1
9	N94SL	16	GY	3574288C1
10	N94SZC	16	GY	3574285C1
11	N94SVC	16	GY	3574285C1
12	N94SH	16	GY	3574288C1



CONNECTOR 3549412C1
BODY LOCK 3564169C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	M94SAB	16	GY	3549416C1
2	M94SCB	16	GY	3549417C1
3	M94SBB	16	GY	3549417C1
4	M94SDB	16	GY	3549416C1
5	M94SJ	16	GY	3549417C1
6	M94SK	16	GY	3549417C1
7	M94SM	16	GY	3549417C1
8	M94SN	16	GY	3549417C1
9	M94SL	16	GY	3549416C1
10	M94SZC	16	GY	3549417C1
11	M94SVC	16	GY	3549417C1
12	M94SH	16	GY	3549416C1

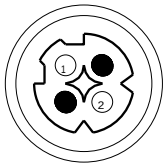
J1939 TERMINATING RESISTOR (9530)
(LOCATED ON LEFT FRAME RAIL UNDER CAB)



CONNECTOR 1667741C1
BODY LOCK 1667771C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	N5B(+)	18	YL	1661875C1	3568570C1
B	PLUG	-	-	2025431C1	-
C	N5B(-)	18	GN	1661875C1	3568570C1

HILL START (9625)



CONNECTOR 3678796C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
1	N94AA	16	GY	3679224C1	3601687C1
2	N94AB	16	GY	3679224C1	3601687C1

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
DLV1	28APR10	MVD CONTENT TO 118;	B	62476L	310615	CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
	WAS SHT 114;ADDED 9625.				RELEASE NO. 61229V	DATE 08JUN09

PART NO. AE08058187 SHEET 116

Figure 361 Connector Composites (9524), (9530), (9625)

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13.129. CONNECTOR COMPOSITES (9715), (9715F), (9716), (9716M), P. 117

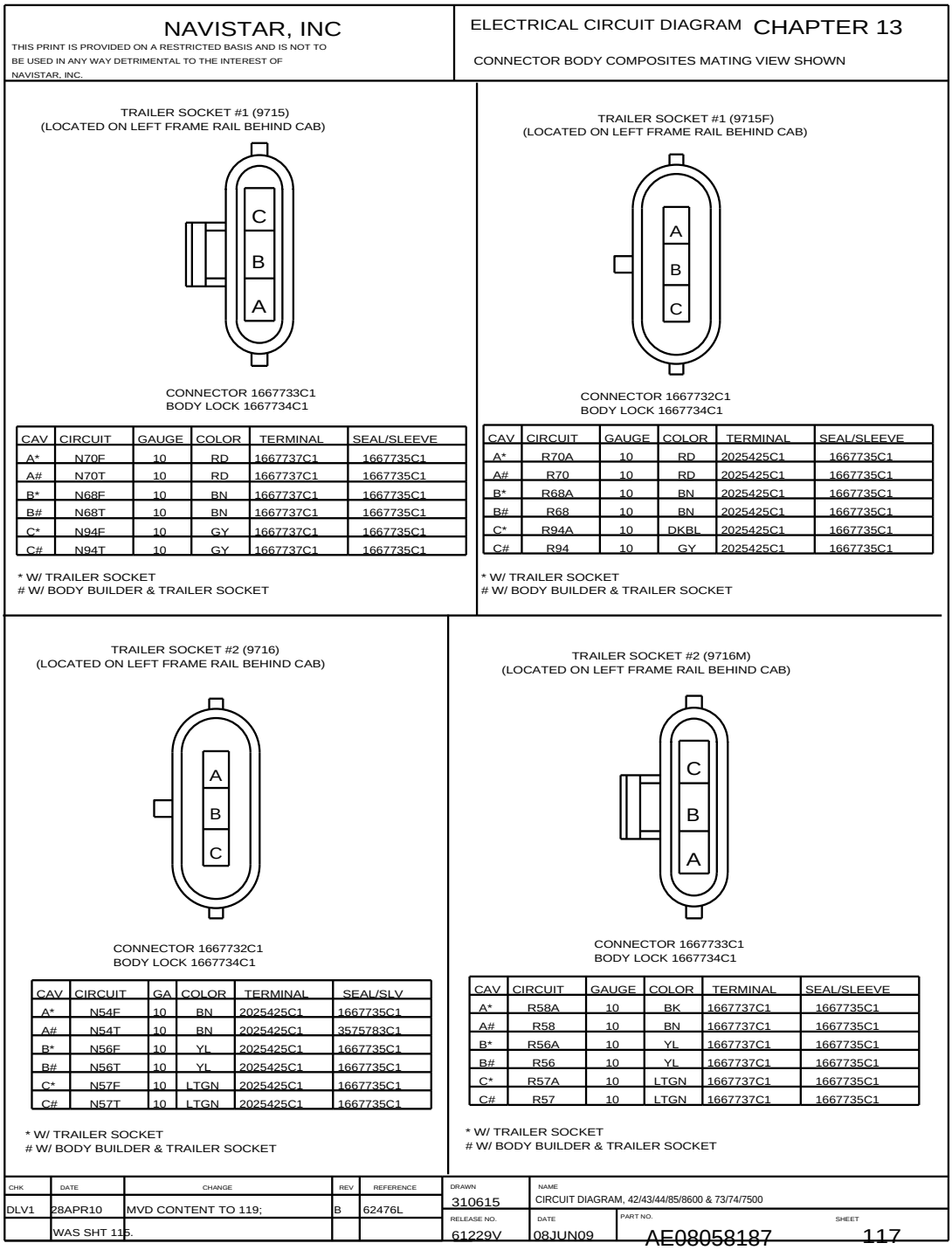


Figure 362 Connector Composites (9715), (9715F), (9716), (9716M)

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13.130. CONNECTOR COMPOSITES (9718A), (9719M), (9720), (9726), P. 118

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CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

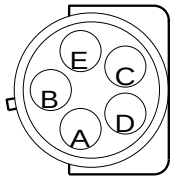
WORK LIGHT - BOC (9718A)
(LOCATED ON LEFT FRAME RAIL AT BACK OF DAYCAB)



CONNECTOR 1661778C1
BODY LOCK 1661874C1

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

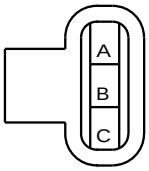
BLACKOUT TRUCK TRAILER LIGHTING (9719M)
(LOCATED AT MAIN CHASSIS TO REAR CHASSIS INTERCONNECT)



CONNECTOR 1673751C1

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

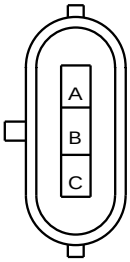
BLACKOUT LIGHTING (9720)
(LOCATED AT REAR END OF LEFT FRAME RAIL)



CONNECTOR 1686834C1
BODY LOCK 1664408C1

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

12V TRAILER SOCKET #2
(9726)
(LOCATED INSIDE LEFT FRAME RAIL UNDER CAB)



CONNECTOR 1667732C1
BODY LOCK 1667734C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	R58	14	BK	1667736C1	1671603C1
B	R56	16	YL	1667736C1	1664232C1
C	R57	16	LTGN	1667736C1	1664232C1

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
DLV1	28APR10	MVD CONTENT TO 120;	B	62476L	310615	CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
		WAS SHT 116;RVSD 9726 TITLE.			RELEASE NO. 61229V	DATE 08JUN09

PART NO. AE08058187 SHEET 118

Figure 363 Connector Composites (9718A), (9719M), (9720), (9726)

https://truckmanualshub.com/

13.131. CONNECTOR COMPOSITES (9727), (9729), (9736), (9737), P. 119

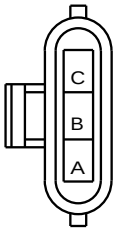
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ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

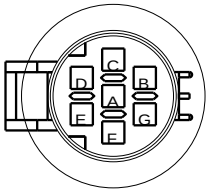
12V TRAILER SOCKET #1 (9727)
(LOCATED AT REAR END OF LEFT FRAME RAIL)



CONNECTOR 1667733C1
BODY LOCK 1667734C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	R71	16	OR	1667738C1	1664232C1
B	R68	14	BN	1667738C1	1671603C1
C	R12	14	LT BL	1667738C1	1671603C1

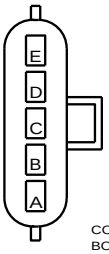
12V TRAILER INTERCONNECT (9729)



CONNECTOR 2039312C91
BODY LOCK 2039342C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	R68	14	BN	2033912C1	0589391C1
B	R56	16	YL	2033911C1	1652325C1
C	R57	16	LT GN	2033911C1	1652325C1
D	R58	14	BK	2033912C1	0589391C1
E	R71	16	OR	2033911C1	1652325C1
F	R12	14	LT BL	2033912C1	0589391C1
G	R11-GA	10	WH	1687848C1	0589390C1

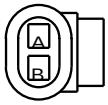
AIR SOLENOID 4 PACK (9736)
(LOCATED INSIDE LEFT FRAME RAIL UNDER CAB)



CONNECTOR 1661375C2
BODY LOCK 1661376C1

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

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



CONNECTOR 3522068C1
BODY LOCK 1661874C1

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

CHK	DATE	CHANGE	REV	REFERENCE
DLV1	28APR10	MVD CONTENT TO 121;	B	62476L
		WAS SHT 117;RVSD 9727 TITLE.		

DRAWN 310615
NAME CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
RELEASE NO. 61229V
DATE 08JUN09
PART NO. AE08058187
SHEET 119

Figure 364 Connector Composites (9727), (9729), (9736), (9737)

https://truckmanualshub.com/

13.132. CONNECTOR COMPOSITES (9738), (9739), (9740/9740A/9740B/9740C), P. 120

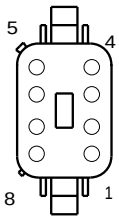
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ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

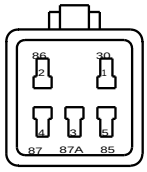
HYBRID APG (9738)



CONNECTOR 3693141C1
BODY LOCK 3534766C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	N92AE	18	TN	1680205C1
2	N92AF	18	TN	1680205C1
3	N92AG	18	TN	1680205C1
4	N98K(+)	18	YL	1680205C1
5	N98K(-)	18	GN	1680205C1
6	N10-GL	18	WH	1680205C1
7	N10-GM	18	WH	1680205C1
8	N10-GN	18	TN	1680205C1

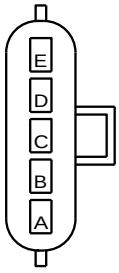
HYBRID APG ENABLE RELAY (9739)



CONNECTOR 3512331C91

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
1	N92AB	16	TN	2039343C1	1652325C1
2	N92AA	18	TN	2039343C1	1652325C1
3	PLUG	-	-	-	-
4	N92AC	18	TN	2039343C1	1652325C1
5	N92AD-G	18	WH	2039343C1	1652325C1

AIR SOLENOID 4-PACK (9740 / 9740A / 9740B / 9740C)
(LOCATED INSIDE LEFT FRAME RAIL UNDER CAB)



CONNECTOR 1661375C2
BODY LOCK 1661376C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A*	N59F-G	14	WH	2033816C1	0589391C1
A*	N59L-G	14	WH	2033816C1	0589391C1
A*	N59R-G	14	WH	2033816C1	0589391C1
A*	N59R-G	18	WH	2033819C1	1652325C1
A*	N59X-G	14	WH	2033816C1	0589391C1
B*	N59M	18	GY	2033819C1	1652325C1
B*	N59S	18	GY	2033819C1	1652325C1
B*	N59G	18	GY	2033819C1	1652325C1
C*	N59N	18	GY	2033819C1	1652325C1
C*	N59T	18	GY	2033819C1	1652325C1
C*	N59H	18	GY	2033819C1	1652325C1
D*	N59P	18	GY	2033819C1	1652325C1
D*	N59V	18	GY	2033819C1	1652325C1
D*	N59J	18	GY	2033819C1	1652325C1
E*	N59Q	18	GY	2033819C1	1652325C1
E*	N59W	18	GY	2033819C1	1652325C1
E*	N59K	18	GY	2033819C1	1652325C1

* MUTUALLY EXCLUSIVE

CHK	DATE	CHANGE	REV	REFERENCE
DLV1	28APR10	MVD CONTENT TO 122;	B	62476L
		WAS SHT 118.		

DRAWN	NAME
310615	CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
RELEASE NO. 61229V	DATE 08JUN09
PART NO. AE08058187	SHEET 120

Figure 365 Connector Composites (9738), (9739), (9740/9740A/9740B/9740C)

https://truckmanualshub.com/

13.133. CONNECTOR COMPOSITES (9740) (9745), (9746), (9747), (9748), (9750), P. 121

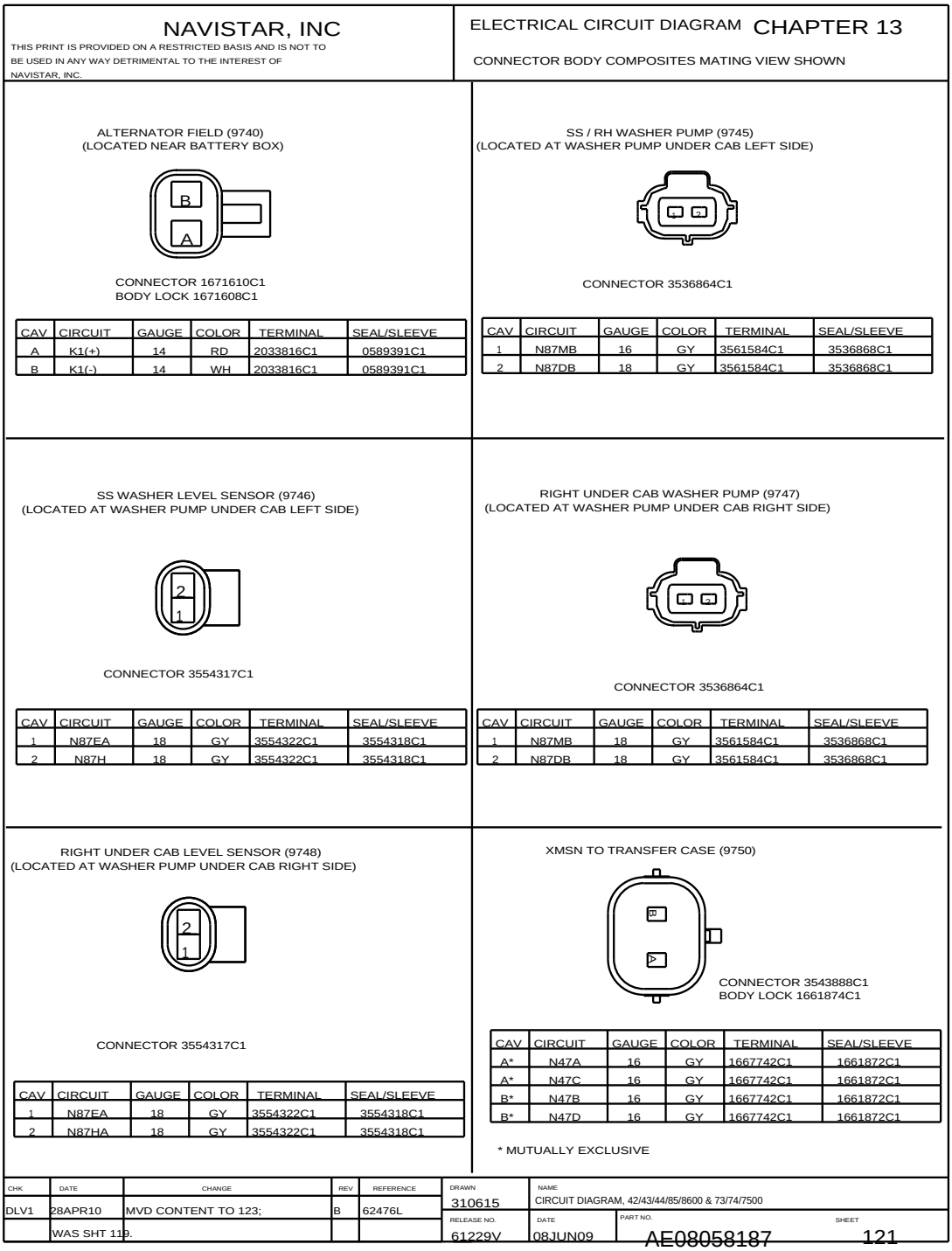


Figure 366 Connector Composites (9740) (9745), (9746), (9747), (9748), (9750)

https://truckmanualshub.com/

13.134. CONNECTOR COMPOSITES (9751), (9752), (9753), (9753A), (9754/9754B), (9754D), P. 122

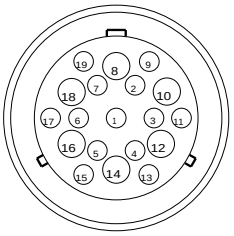
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ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

PEC CONN (9751)

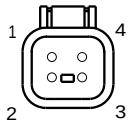


CONNECTOR 3665410C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	N98H(+)	18	YL	1680205C1
2	N98H(-)	18	GN	1680205C1
3	N92DE	18	TN	1680205C1
4	N92DC	18	TN	1680205C1
5	N92PJ	18	TN	1680205C1
6	N92PA	18	TN	1680205C1
7	N92PE	18	TN	1680205C1
8	PLUG	-	-	0453133C1
9	N92PC	18	TN	1680205C1
10	PLUG	-	-	0453133C1
11	N92PF	18	TN	1680205C1
12	N92HJ	12	TN	3557534C1
13	N92PD	18	TN	1680205C1
14*	N11-GHE	12	WH	3557534C1
14@	N11-GHG	12	WH	3557534C1
15	N92PG	18	TN	1680205C1
16	PLUG	-	-	0453133C1
17	N92PB	18	TN	1680205C1
18	PLUG	-	-	0453133C1
19	N92PH	18	TN	1680205C1

* W/ PTO
@ N/ PTO

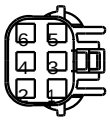
DC-DC CONV (9752)



CONNECTOR 3545577C1
BODY LOCK 3545579C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	N92DB	18	TN	1651969C1
2	PLUG	-	-	0453133C1
3	N92DA	18	TN	1651969C1
4	N11-GHF	18	WH	1651969C1

RESOLVER (9753)



CONNECTOR 3665562C1
BODY LOCK 3665586C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
1	N92RA	18	TN	3665563C1	3665564C1
2	N92RB	18	TN	3665563C1	3665564C1
3	N92RC	18	TN	3665563C1	3665564C1
4	N92RD	18	TN	3665563C1	3665564C1
5	N92RE	18	TN	3665563C1	3665564C1
6	N92RF	18	TN	3665563C1	3665564C1

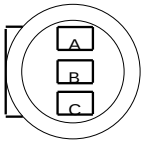
TEMPERATURE SENSOR (9753A)



CONNECTOR 3665561C1
BODY LOCK 3665585C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
1	N92TA	18	TN	3665563C1	3665564C1
2	N92TB	18	TN	3665563C1	3665564C1

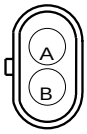
FRONT AXLE ENGAGEMENT SENSOR (9754D)
(LOCATED AT TRANSFER CASE)



CONNECTOR 089000-CB

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	N42	16	GY	0425058C1	089000-CB
B	-	-	-	-	-
C	N42-G	16	GY	0425058C1	089000-CB

FRONT AXLE ENGAGEMENT SENSOR (9754 / 9754B)
(LOCATED AT TRANSFER CASE)



CONNECTOR 0587567C91

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	N42	16	GY	0587577C1	1652325C1
B	N42-G	18	WH	0587578C1	1652325C1

CHK	DATE	CHANGE	REV	REFERENCE
DLV1	28APR10	MVD CONTENT TO 124;	B	62476L
		WAS SHT 120.		

DRAWN 310615
NAME CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
RELEASE NO. 61229V
DATE 08JUN09
PART NO. AE08058187
SHEET 122

Figure 367 Connector Composites (9751), (9752), (9753), (9753A), (9754/9754B), (9754D)

https://truckmanualshub.com/

13.135. CONNECTOR COMPOSITES (9755), (9756), (9756/9755B/9755C/9755D), (9758), (9759), (9760), P. 123

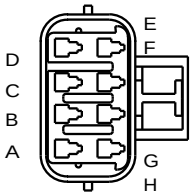
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ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

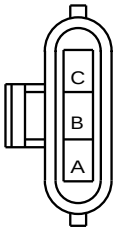
CLUCTH DATA LINK (9755)



CONNECTOR 3525872C1
BODY LOCK 3525873C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	K98D(+)	18	YL	1661875C1	3568570C1
B	K98D(-)	18	GN	1661875C1	3568570C1
C	-	-	-	-	-
D	-	-	-	-	-
E	-	-	-	-	-
F	K47(+)	16	WH	1661875C1	1661872C1
G	K47(-)	16	BK	1661875C1	1661872C1
H	K92YA	16	TN	1661875C1	1661872C1

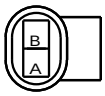
CLUTCH POWER (9756)



CONNECTOR 1667733C1
BODY LOCK 1667734C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	-	-	-	-	-
B	K92-GD	12	WH	1667737C1	1671603C1
C	K14AY	12	RD	1667737C1	1671603C1

TRANSFER CASE (&9756 / 9755B / 9755C / 9755D)

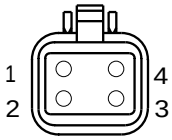


CONNECTOR 2036583C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A	N47A	16	GY	2036586C1
A&	N47C	16	GY	2036586C1
B	N47B	16	GY	2036586C1
B&	N47D	16	GY	2036586C1

& W/ AUX XMSN

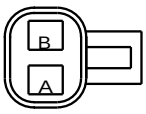
COOLANT PUMP (9758)



CONNECTOR 3601743C1
BODY LOCK 3557539C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	PLUG	-	-	0453133C1
2	N11-GHK	12	WH	3557534C1
3	N92HT	12	TN	3557534C1
4	N92HS	12	TN	3557534C1

HEAT EXCHANGER (9760)



CONNECTOR 1671610C1
BODY LOCK 1671608C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	N92HH	14	TN	2033816C1	0589391C1
B	N11-GHJ	12	WH	2033816C1	0589391C1

BUS TERMINATOR RESISTOR (9759)



CONNECTOR 1667741C1
BODY LOCK 1667771C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	N98A(+)	18	YL	1661875C1	3568570C1
B	PLUG	-	-	2025431C1	-
C	N98A(-)	18	GN	1661875C1	3568570C1

CHK	DATE	CHANGE	REV	REFERENCE
DLV1	28APR10	MVD CONTENT TO 125;	B	62476L
		WAS SHT 121.		

DRAWN 310615
NAME CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
RELEASE NO. 61229V
DATE 10JUN09
PART NO. AE08058187
SHEET 123

Figure 368 Connector Composites (9755), (9756), (9756/9755B/9755C/9755D), (9758), (9759), (9760)

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13.136. CONNECTOR COMPOSITES (9761/9761A), P. 124

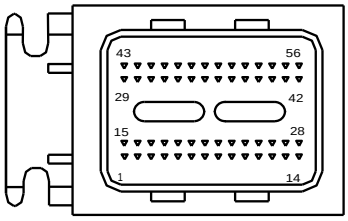
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ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

HEV INVERTER CONN
(9761 / 9761A)



CONNECTOR 3665039C1
BODY LOCK 3665043C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	N11-GHB	18	WH	3665040C1
2	N11-GHC	18	WH	3665040C1
3	PLUG	-	-	3665041C1
4	PLUG	-	-	3665041C1
5	PLUG	-	-	3665041C1
6	PLUG	-	-	3665041C1
7	PLUG	-	-	3665041C1
8	PLUG	-	-	3665041C1
9	PLUG	-	-	3665041C1
10	PLUG	-	-	3665041C1
11	PLUG	-	-	3665041C1
12	PLUG	-	-	3665041C1
13*	N98(+)	18	YL	3665040C1
13*	N98D(+)	18	YL	3665040C1
14	N98H(+)	18	YL	3665040C1
15	N92DF	18	TN	3665040C1

* MUTUALLY EXCLUSIVE

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
16	N92PA	18	TN	3665040C1
17	PLUG	-	-	3665041C1
18	PLUG	-	-	3665041C1
19	PLUG	-	-	3665041C1
20	PLUG	-	-	3665041C1
21	PLUG	-	-	3665041C1
22	PLUG	-	-	3665041C1
23	PLUG	-	-	3665041C1
24	PLUG	-	-	3665041C1
25	PLUG	-	-	3665041C1
26	PLUG	-	-	3665041C1
27*	N98(-)	18	GN	3665040C1
27*	N98D(-)	18	GN	3665040C1
28	N98H(-)	18	GN	3665040C1
29	N92PB	18	TN	3665040C1
30	N92PC	18	TN	3665040C1
31	N92PD	18	TN	3665040C1
32	PLUG	-	-	3665041C1
33	PLUG	-	-	3665041C1
34	N92PE	18	TN	3665040C1
35	N92PF	18	TN	3665040C1
36	N92PG	18	TN	3665040C1
37	N92PH	18	TN	3665040C1
38	N92TB	18	TN	3665040C1
39	PLUG	-	-	3665041C1
40	PLUG	-	-	3665041C1
41	PLUG	-	-	3665041C1
42	PLUG	-	-	3665041C1
43	N92PJ	18	TN	3665040C1
44	PLUG	-	-	3665041C1
45	PLUG	-	-	3665041C1
46	PLUG	-	-	3665041C1
47	N11-GHA	18	WH	3665040C1
48	N92RZ	18	TN	3665040C1
49	N92RZ	18	TN	3665040C1
50	N92TA	18	TN	3665040C1
51	N92RD	18	TN	3665040C1
52	N92RB	18	TN	3665040C1
53	N92RA	18	TN	3665040C1
54	N92RC	18	TN	3665040C1
55	N92RE	18	TN	3665040C1
56	N92RF	18	TN	3665040C1

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
DLV1	28APR10	MVD CONTENT TO 126;	B	62476L	310615	CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
		WAS SHT 122;RVSD 9761 TITLE.			RELEASE NO. 61229V	DATE 08JUN09

PART NO. AE08058187 SHEET 124

Figure 369 Connector Composites (9761/9761A)

https://truckmanualshub.com/

13.137. CONNECTOR COMPOSITES (9761F), (9762), (9763), (9764), (9765), (9766), P. 125

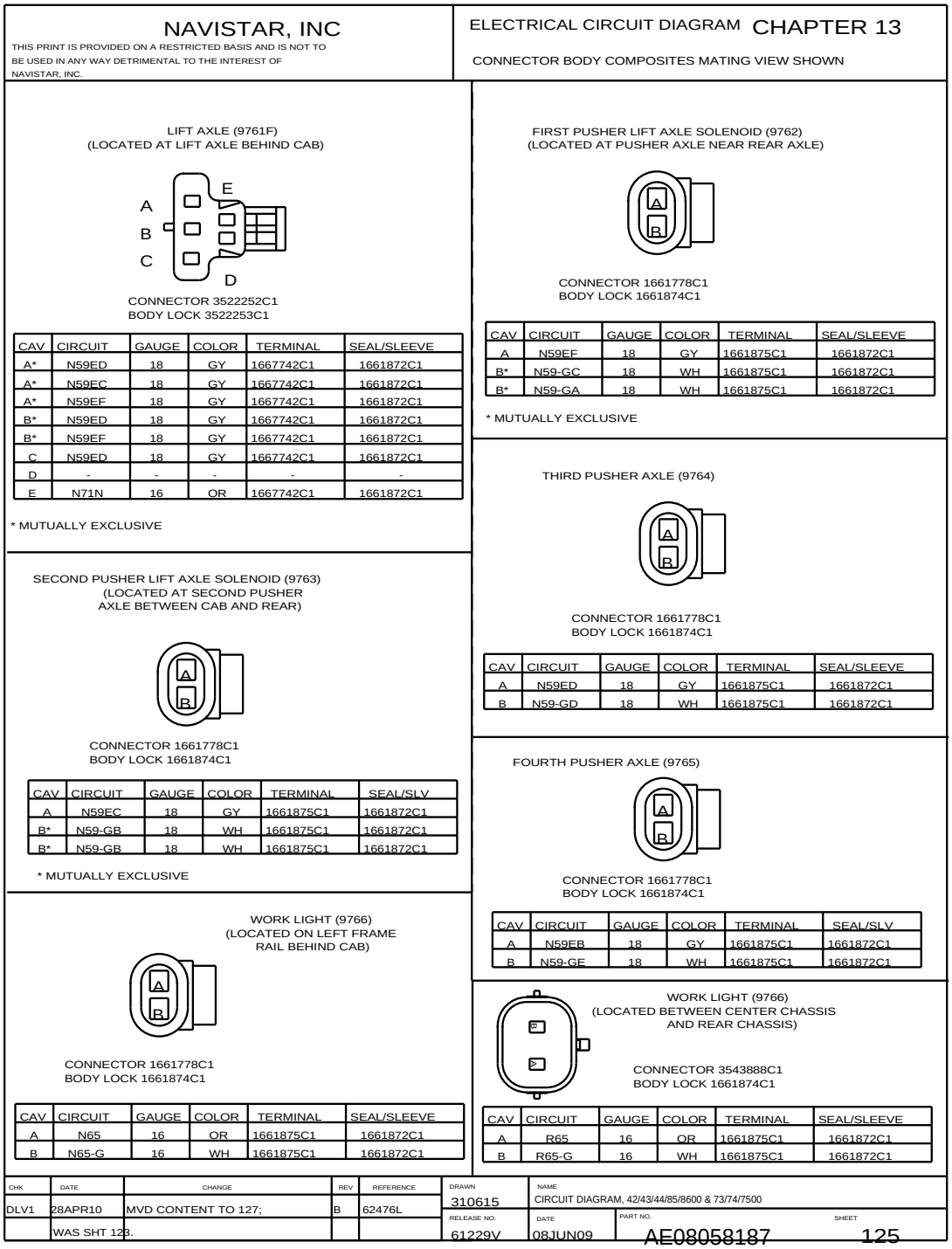


Figure 370 Connector Composites (9761F), (9762), (9763), (9764), (9765), (9766)

https://truckmanualshub.com/

13.138. CONNECTOR COMPOSITES (9767), (9775F), (9777), (9777A), (9777M), (9778), P. 126

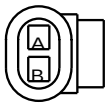
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ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

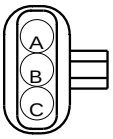
WORK LIGHT (9767)
(LOCATED BETWEEN CENTER CHASSIS AND REAR CHASSIS



CONNECTOR 1661778C1
BODY LOCK 1661874C1

CAV	CIRC	GA	COLOR	TERMINAL	SEAL/SLV
A	R65	16	OR	1661875C1	1661872C1
B	R65-G	16	WH	1661875C1	1661872C1

LOAD INDICATOR (9775F)
(LOCATED BETWEEN CENTER CHASSIS AND REAR CHASSIS



CONNECTOR 1667740C1
BODY LOCK 1667771C1

CAV	CIRCUIT	GA	COLOR	TERMINAL	SEAL/SLV
A	R9M	18	GY	1667742C1	1661872C1
A%	R9N	18	GY	1667742C1	1661872C1
B	R6H	18	GY	1667742C1	1661872C1
B%	R6J	18	GY	1667742C1	1661872C1
C	R61C	18	GY	1667742C1	1661872C1
C%	R61D	18	GY	1667742C1	1661872C1

% W/ REAR LOAD INDICATOR(6X4)

SAHR (9777)
(LOCATED IN FRONT OF REAR AXLE LEFT SIDE)



CONNECTOR 1667741C1
BODY LOCK 1667771C1

CAV	CIRC	GA	COLOR	TERMINAL	SEAL/SLV
A	N90D	16	GY	1661875C1	1661872C1
B	N94-GE	18	WH	1661875C1	1661872C1
C	N44D	18	GY	1661875C1	3568570C1

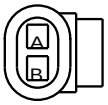
SAAR (9777M)
(LOCATED IN FRONT OF REAR AXLE LEFT SIDE)



CONNECTOR 1667741C1
BODY LOCK 1667771C1

CAV	CIRC	GA	COLOR	TERMINAL	SEAL/SLV
A	N44N	18	GY	1661875C1	1661872C1
B	N44-GB	18	WH	1661875C1	1661872C1
C	N44M	18	GY	1661875C1	1661872C1

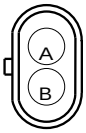
SAAR SOLENOID (9777A)
(LOCATED IN FRONT OF REAR AXLE LEFT SIDE)



CONNECTOR 3522068C1
BODY LOCK 1661874C1

CAV	CIRC	GA	COLOR	TERMINAL	SEAL/SLV
A	N44C	18	GY	1661875C1	3568570C1
B	N90D-G	16	WH	1661875C1	1661872C1

REMOTE START / STOP (9778)
(LOCATED BACK OF CAB FOR TRAILER SOCKET INTERCONNECT)



CONNECTOR 0587567C91

CAV	CIRC	GA	COLOR	TERMINAL	SEAL/SLV
A	N59CA	16	GY	0587575C1	1652325C1
B	N104CA	16	DKBL	0587575C1	1652325C1

CHK	DATE	CHANGE	REV	REFERENCE
DLV1	28APR10	MVD CONTENT TO 128;	B	62476L
		WAS SHT 124.		

DRAWN 310615
NAME CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
RELEASE NO. 61229V
DATE 08JUN09
PART NO. AE08058187
SHEET 126

Figure 371 Connector Composites (9767), (9775F), (9777), (9777A), (9777M), (9778)

https://truckmanualshub.com/

13.139. CONNECTOR COMPOSITES (9779F), (9780M), (9781M), (9782F), P. 127

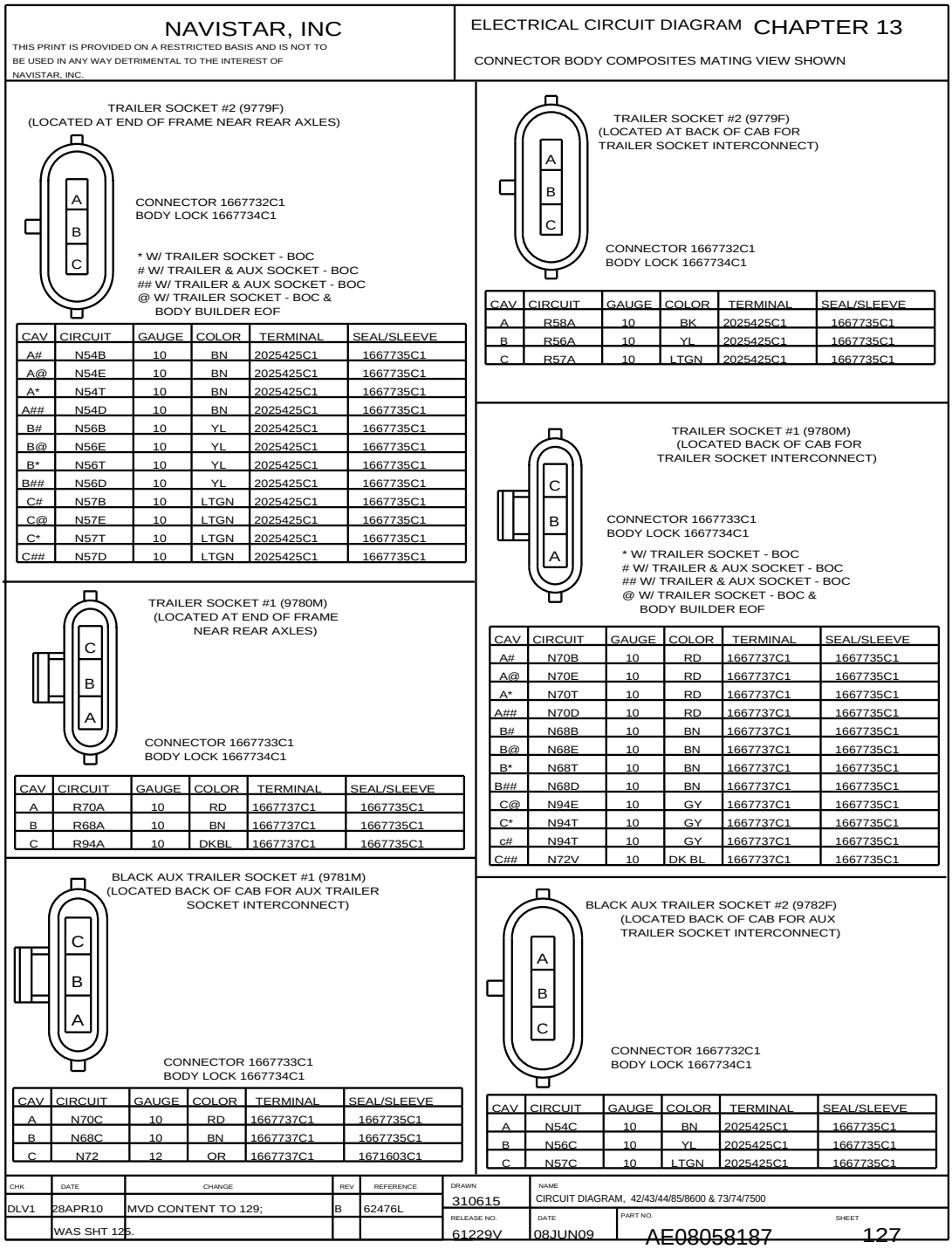


Figure 372 Connector Composites (9779F), (9780M), (9781M), (9782F)

https://truckmanualshub.com/

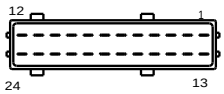
13.140. CONNECTOR COMPOSITES (9800), P. 128

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ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN



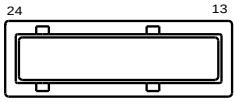
CONNECTION TO CENTER HARNESS (9800)(LOCATED ON LEFT FRAME RAIL BEHIND CAB)

CONNECTOR 3558022C1
BODY LOCK 3558056C1

CAV	CIR	GA	COLOR	TERMINAL	SEAL/SLV
1	R71	14	OR	3559037C1	3575783C1
2	R56	14	OR	3559037C1	3575783C1
3	R57	14	OR	3559037C1	3575783C1
4	R68	14	BN	3559037C1	3575783C1
5&	R32A	18	TN	3559036C1	3509903C1
5&	R36	18	TN	3559036C1	3509903C1
5&	R68	18	BN	3559036C1	3509903C1
6&	R32	18	TN	3559036C1	3509903C1
6&	R70	18	OR	3559036C1	3509903C1
7	R49	18	GY	3559036C1	3509903C1
8	R49A	18	GY	3559036C1	3509903C1
9&	R10-GB	18	WH	3559036C1	3509903C1
9&	R49-GA	18	WH	3559036C1	3509903C1
10	R9D	18	GY	3559036C1	3509903C1
11&	R9B	18	GY	3559036C1	3509903C1
11&	R9C	18	GY	3559036C1	3509903C1
12	R10-G	12	WH	3559037C1	3575783C1
13#	[R94M]	18	BK	3559036C1	3509903C1
13*	[R94WL]	18	BK	3559036C1	3509903C1
13@	R94A	16	GY	3559037C1	3509903C1
13**	R94M	16	GY	3559037C1	3509903C1
14#	R94N	18	BN	3559036C1	3509903C1
14*	[R94WM]	18	BN	3559036C1	3509903C1
14@	R94B	16	OR	3559037C1	3509903C1
14**	R94N	16	OR	3559037C1	3509903C1
15#	[R94P]	18	BK	3559036C1	3509903C1
15*	[R94WS]	18	BK	3559036C1	3509903C1
15@	R94C	16	DKBL	3559037C1	3509903C1
15**	R94P	16	DKBL	3559037C1	3509903C1
16#	[R94R]	18	BN	3559036C1	3509903C1
16*	[R94WT]	18	BN	3559036C1	3509903C1
16@	R94D	16	YL	3559037C1	3509903C1
16**	R94R	16	YL	3559037C1	3509903C1
17*	[R94WN]	18	BL	3559036C1	3509903C1
17@	R94E	16	BK	3559037C1	3509903C1
17**	R94S	16	BK	3559037C1	3509903C1
18*	[R94G7]	18	GN	3559036C1	3509903C1
18@	R94F	16	RD	3559037C1	3509903C1
18**	R94T	16	RD	3559037C1	3509903C1
19*	[R94WR]	18	BN	3559036C1	3509903C1
19@	R94H	16	BN	3559037C1	3509903C1
19**	R94U	16	BN	3559037C1	3509903C1
20*	[R94WU]	18	BL	3559036C1	3509903C1
20@	R94J	16	PL	3559037C1	3509903C1
20**	R94V	16	PL	3559037C1	3509903C1
21*	[R94G6]	18	GN	3559036C1	3509903C1
21@	R94K	16	LTGN	3559037C1	3509903C1
21**	R94W	16	LTGN	3559037C1	3509903C1
22*	[R94WW]	18	BN	3559036C1	3509903C1
22@	R94L	16	LTBL	3559037C1	3509903C1
22**	R94X	16	LTBL	3559037C1	3509903C1
23*	[R94WX]	18	BN	3559036C1	3509903C1
23@	R94BD	16	BN	3559037C1	3509903C1
24*	[R94WZ]	18	BL	3559036C1	3509903C1
24@	R94BE	16	YL	3559037C1	3509903C1

CONNECTION TO REAR CHASSIS HARNESS (9800) (LOCATED ON LEFT FRAM RAIL BEHIND CAB)

CONNECTOR 3558026C1
BODY LOCK 3558056C1



CAV	CIRCUIT	GA	COLOR	TERMINAL	SEAL/SLV
1	N71A	14	OR	3559035C1	3575783C1
2	N56	14	OR	3559035C1	3575783C1
3	N57	14	OR	3559035C1	3575783C1
4	N68	14	BN	3559035C1	3575783C1
5&	N32A	18	TN	3509874C1	3509903C1
5&	N36A	18	TN	3509874C1	3509903C1
6	N32	18	TN	3509874C1	3509903C1
7	N49	18	GY	3509874C1	3509903C1
8	N49A	18	GY	3509874C1	3509903C1
9	N49-G	18	WH	3509874C1	3509903C1
10&	N9G	18	GY	3509874C1	3509903C1
10&	N9G	16	GY	3559035C1	3509903C1
11&	N9F	18	GY	3509874C1	3509903C1
11&	N9H	18	GY	3509874C1	3509903C1
12	N10-G	12	WH	3559035C1	3575783C1
13@	N94BE	16	GY	3559035C1	3509903C1
13##	N94M(+)	18	GY	3509874C1	3532128C1
13*	N94WL	16	GY	3559035C1	3509903C1
14@	N94BD	16	GY	3559035C1	3509903C1
14##	N94M(-)	18	GY	3509874C1	3532128C1
14*	N94WM	16	GY	3559035C1	3509903C1
15@	N94BH	16	GY	3559035C1	3509903C1
15##	N94N(+)	18	GY	3509874C1	3532128C1
15*	N94WS	16	GY	3559035C1	3509903C1
16@	N94BF	16	GY	3559035C1	3509903C1
16##	N94N(-)	18	GY	3509874C1	3532128C1
16*	N94WT	16	GY	3559035C1	3509903C1
17**@	N94BA	16	GY	3559035C1	3509903C1
17*	N94WN	16	GY	3559035C1	3509903C1
18**@	N94BB	16	GY	3559035C1	3509903C1
18*	N94-G7	16	WH	3559035C1	3509903C1
19**@	N94BC	16	GY	3559035C1	3509903C1
19*	N94WR	16	GY	3559035C1	3509903C1
20**@	N94BJ	16	GY	3559035C1	3509903C1
20*	N94WU	16	GY	3559035C1	3509903C1
21**@	N94BK	16	GY	3559035C1	3509903C1
21*	N94-G6	16	WH	3559035C1	3509903C1
22**@	N94BL	16	GY	3559035C1	3509903C1
22*	N94WW	16	GY	3559035C1	3509903C1
23@	N94BN	16	GY	3559035C1	3509903C1
23*	N94WX	18	GY	3509874C1	3509903C1
24@	N94BM	16	GY	3559035C1	3509903C1
24*	N94WZ	18	GY	3509874C1	3509903C1

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

CHK	DATE	CHANGE	REV	REFERENCE
DLV1	28APR10	MVD CONTENT TO 130;	B	62476L
		WAS SHT 126.		

DRAWN	NAME
310615	CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
RELEASE NO. 61229V	DATE 08JUN09
PART NO. AE08058187	SHEET 128

Figure 373 Connector Composites (9800)

https://truckmanualshub.com/

13.141. CONNECTOR COMPOSITES (9811), (9812), (9814), (9815), (9820F), (9820M), P. 129

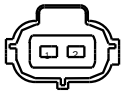
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ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

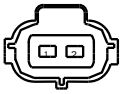
FORWARD REAR AXLE TEMP SENDER (9811)
(LOCATED ON LEFT FRAME RAIL BY FORWARD REAR AXLE)



CONNECTOR 3536864C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
1	R32A	18	TN	3536865C1	3536868C1
2	R9A	18	GY	3536865C1	3536868C1

REAR AXLE TEMP SENDER (9812)
(LOCATED ON LEFT FRAME RAIL BY REAR REAR AXLE)

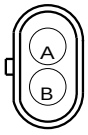


CONNECTOR 3536864C1

* MUTUALLY EXCLUSIVE

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
1	R32	18	TN	3536865C1	3536868C1
2*	R9	18	GY	3536865C1	3536868C1
2*	R9C	18	GY	3536865C1	3536868C1

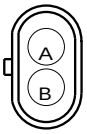
REAR REAR AXLE DIFF LOCK WARNING LIGHT (9815)
(LOCATED ON FRONT OF REAR REAR AXLE)



CONNECTOR 0587567C91

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	R49A	18	GY	0587578C1	1652325C1
B	R49-GA	18	WH	0587578C1	1652325C1

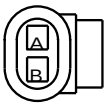
FRONT REAR AXLE DIFF LOCK (9814) WARNING LIGHT
(LOCATED ON FRONT OF FORWARD REAR AXLE)



CONNECTOR 0587567C91

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	R49	18	GY	0587578C1	1652325C1
B	R49-G	18	WH	0587578C1	1652325C1

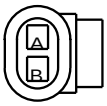
LIFT AXLE SOLENOID (9820F)
(LOCATED BACK OF CAB FOR AUX TRAILER SOCKET INTERCONNECT)



CONNECTOR 3543888C1
BODY LOCK 1661874C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	R59DC	18	GY	1667742C1	1661872C1
B	R59DD	18	GY	1667742C1	1661872C1

LIFT AXLE SOLENOID (9820M)
(LOCATED BACK OF CAB FOR AUX TRAILER SOCKET INTERCONNECT)



CONNECTOR 1661778C1
BODY LOCK 1661874C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	N59ED	18	GY	1661875C1	1661872C1
B*	N59-GD	18	WH	1661875C1	1661872C1
B*	N59-GA	18	WH	1661875C1	1661872C1

* MUTUALLY EXCLUSIVE

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
DLV1	28APR10	MVD CONTENT TO 131;	B	62476L	310615	CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
		WAS SHT 127.			RELEASE NO. 61229V	DATE 08JUN09

PART NO. AE08058187 SHEET 129

Figure 374 Connector Composites (9811), (9812), (9814), (9815), (9820F), (9820M)

https://truckmanualshub.com/

13.142. CONNECTOR COMPOSITES (9824), (9830), (9832), (9965M), (9900), P. 130

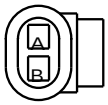
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ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

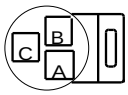
TAG AXLE (9824)
(LOCATED BACK OF CAB)



CONNECTOR 1661778C1
BODY LOCK 1661874C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	R59DC	18	GY	1661875C1	1661872C1
B	R59DD	18	GY	1661875C1	1661872C1

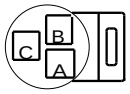
REAR LOAD INDICATOR (4X2) (9830)
(LOCATED ON REAR SUSPENSION AIR BAG - RIGHT SIDE)



CONNECTOR 1678137C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A	R9M	18	GY	1651943C1
B	R6H	18	GY	1651943C1
C	R61C	18	GY	1651943C1

REAR LOAD INDICATOR (6X4) (9832)
(LOCATED ON REAR SUSPENSION AIR BAG - LEFT SIDE)



CONNECTOR 1678137C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A	R9N	18	GY	1651943C1
B	R6J	18	GY	1651943C1
C	R61D	18	GY	1651943C1

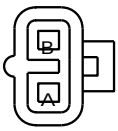
LOAD INDICATOR (9965M)
(LOCATED BETWEEN CENTER CHASSIS AND REAR CHASSIS)



CONNECTOR 1667741C1
BODY LOCK 1667771C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	N110B	18	GY	1661875C1	1661872C1
B	N106B	18	GY	1661875C1	1661872C1
C	NB61B	18	GY	1661875C1	1661872C1

AIR DRYER (9900)
(LOCATED ON LEFT FRAME RAIL BEHIND DAYCAB UNDER SLEEPER)



CONNECTOR 1673790C1
BODY LOCK 1673791C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	N39B	16	GY	2033819C1	1652325C1
B	N39-GB	16	WH	2033819C1	1652325C1

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
DLV1	28APR10	MVD CONTENT TO 132;	B	62476L	310615	CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
	WAS SHT 128.				RELEASE NO. 61229V	DATE 08JUN09

PART NO. AE08058187 SHEET 130

Figure 375 Connector Composites (9824), (9830), (9832), (9965M), (9900)

https://truckmanualshub.com/

13.143. CONNECTOR COMPOSITES (9900C1), (9900C), (9900D), (9900E/9900G/9900A), (9913B), P. 131

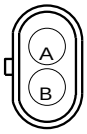
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ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

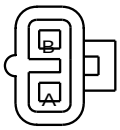
LEFT REAR AD-IP AIR DRYER (9900C1)
(LOCATED ON LEFT REAR FRAME RAIL)



CONNECTOR 0587567C91
BODY LOCK 1661874C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	N39B	18	GY	0587578C1	1652325C1
B	N39-GB	16	WH	0587577C1	1652325C1

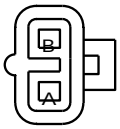
LEFT REAR AIR DRYER (9900C)
(LOCATED ON LEFT REAR FRAME RAIL)



CONNECTOR 1673790C1
BODY LOCK 1673791C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	N39B	18	GY	2033819C1	1652325C1
B	N39-GB	16	WH	2033819C1	1652325C1

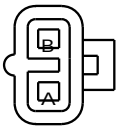
RIGHT REAR AIR DRYER (9900D)
(LOCATED ON RIGHT REAR FRAME RAIL)



CONNECTOR 1673790C1
BODY LOCK 1673791C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	N39B	18	GY	2033819C1	1652325C1
B	N39-GB	18	WH	2033819C1	1652325C1

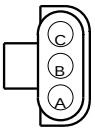
AIR DRYER (9900E / 9900G / 9900A)



CONNECTOR 1673790C1
BODY LOCK 1673791C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	M39B	16	GY	2033819C1	1652325C1
B	M39-GB	16	WH	2033819C1	1652325C1

LECTRA-SHIFT PTO
(9913B)



CONNECTOR 0587570C91

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	K14LSA	18	BK	0587576C1	1652325C1
B	K14LSB	18	RD	0587576C1	1652325C1
C	K14LSC	12	WH	1673747C1	0589390C1

CHK	DATE	CHANGE	REV	REFERENCE
DLV1	28APR10	INITIAL RELEASE.	A	62476L

DRAWN 360070
NAME CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
RELEASE NO. 62476L
DATE 20NOV09
PART NO. AE08058187
SHEET 131

Figure 376 Connector Composites (9900C1), (9900C), (9900D), (9900E/9900G/9900A), (9913B)

https://truckmanualshub.com/

13.144. CONNECTOR COMPOSITES (9915), (9920), (9921), (9989), (9994), P. 132

NAVISTAR, INC

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CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

DIODE ASSY (9915)
(LOCATED IN INSTRUMENT PANEL NEAR CENTER)

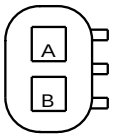


CONNECTOR 1684261C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1*	A14BC	14	RD	2034787C1
1#	A104F	18	DKBL	1680205C1
2*	A11-GC	14	GY	2034787C1
2#	A104N	18	DKBL	1680205C1

* W/ LECTRASHIFT ACCOMODATION
W/ REMOTE START / STOP

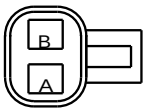
CHASSIS / TRANSMISSION (9920)



CONNECTOR 1671611C1
BODY LOCK 1671608C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	N98D	18	BK	2033911C1	3517771C1
B	N92YA	18	TN	2033911C1	3517771C1

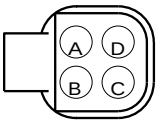
TRANSMISSION / CHASSIS (9920)



CONNECTOR 1671610C1
BODY LOCK 1671608C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	K98D	18	BK	2033819C1	3517771C1
B	K92YA	16	TN	2033819C1	1652325C1

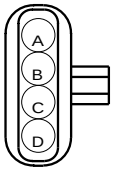
HCM DIAG (9921)



CONNECTOR 1661497C91

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	N98E	18	BK	0587576C1	3517771C1
B	N98G	18	BK	0587576C1	3517771C1
C	N98F	18	BK	0587576C1	3517771C1
D	N98D	18	BK	0587576C1	3517771C1

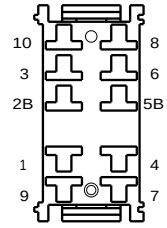
JAW LOCK MONITER (9989)



CONNECTOR 3535481C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	N116M	18	GY	2033911C1	3517771C1
B	N116U	16	GY	2033911C1	1652325C1
C	N116L	16	GY	2033911C1	1652325C1
D	N116-GA	18	WH	2033911C1	3517771C1

TELEMATICS ALERT SWITCH (9994)
(LOCATED IN INSTRUMENT PANEL BEHIND CENTER PANEL)



CONNECTOR 3520850C1

W/ ALERT SWITCH
* W/ TELEMATICS

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	-	-	-	-
2B	AA6	18	GY	1661224C1
3*	A9VB	18	GY	1661224C1
3#	A9V	18	GY	1661224C1
4	-	-	-	-
5B	-	-	-	-
6	-	-	-	-
7	AOUT1	18	WH	1661224C1
8	A62A	18	GY	1661224C1
9	A11-GN	18	WH	1661224C1
10	-	-	-	-

CHK	DATE	CHANGE	REV	REFERENCE
DLV1	28APR10	INITIAL RELEASE.	A	62476L

DRAWN 360070
NAME CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
RELEASE NO. 62476L
DATE 20NOV09
PART NO. AE08058187
SHEET 132

Figure 377 Connector Composites (9915), (9920), (9921), (9989), (9994)