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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	DASHBOARD	RAD	RADIO
AIR CLNR	AIR CLEANER	DFTR	DEFLECTOR	RR	REAR
ALT	ALTERNATOR	DFR	DEFROSTER	RLY	RELAY
ACCEL	ACCELERATOR	DEG	DEGREE	RES	RESISTOR
AC	ALTERNATING CURRENT	DIAG	DIAGRAM	REGEN	REGENERATE
AFTR	AFTERTREATMENT	DSL	DIESEL	R	RIGHT
AMM	AMMETER	DIFF	DIFFERENTIAL	RTR	ROTOR
AMP	AMPERE	DIMR	DIMMER	SNSR	SENSOR
AMP HR	AMPERE HOUR	ELEC	ELECTRICAL	SHLD	SHIELD
AMPL	AMPLIFIER	ELEX	ELECTRONICS	SHFT	SHIFTER
ARM	ARMATURE	ENG	ENGINE	SLPR	SLEEPER
ARSR	ARRESTER	EXH	EXHAUST	SLV	SLEEVE
ASSY	ASSEMBLY	FL	FLUID	SPKR	SPEAKER
AUX	AUXILIARY	FWD	FORWARD	SPR	SPRING
B/U	BACK-UP	FR	FRONT	STD	STANDARD
BTRY	BATTERY	FREQ	FREQUENCY	STRG	STEERING
BM	BENCHMARKING	GA	GAUGE	STLITE	SATELLITE
BLK	BLOCK	GEN	GENERATOR	SUNSH	SUNSHADE
BOOS	BOOSTER	GND	GROUND	SW	SWITCH
BOT	BOTTOM	HARN	HARNESS	SYS	SYSTEM
BK	BRAKE	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	DRAWN	NAME	
DLV1	18SEP09	INITIAL RELEASE.	A	61229V	310615	CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500	
					RELEASE NO.	DATE	PART NO.
					61229V	18MAY09	AE08058176
							001

Figure 1 Abbreviations

3.2. BATTERY FEED, DUAL, P. 2

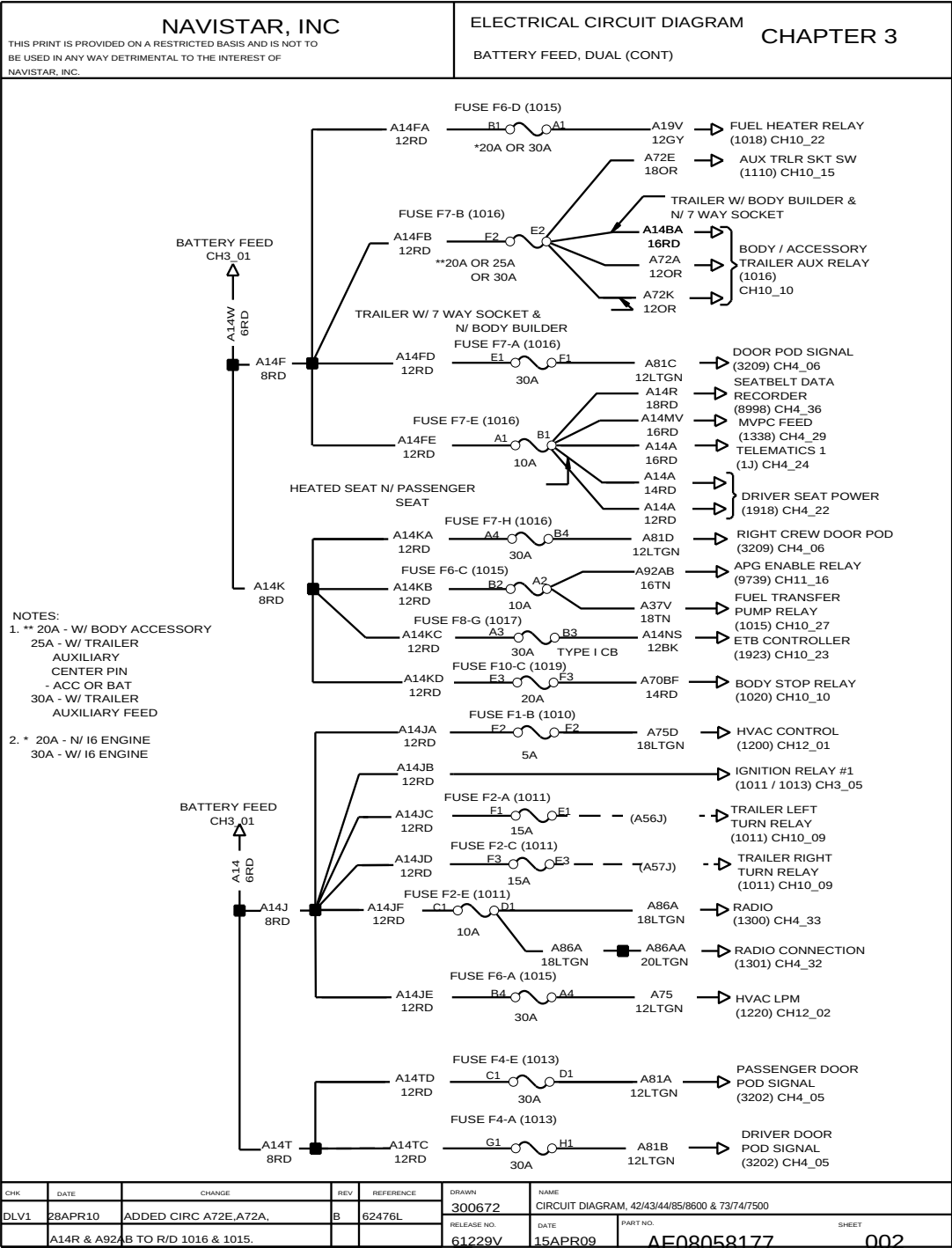
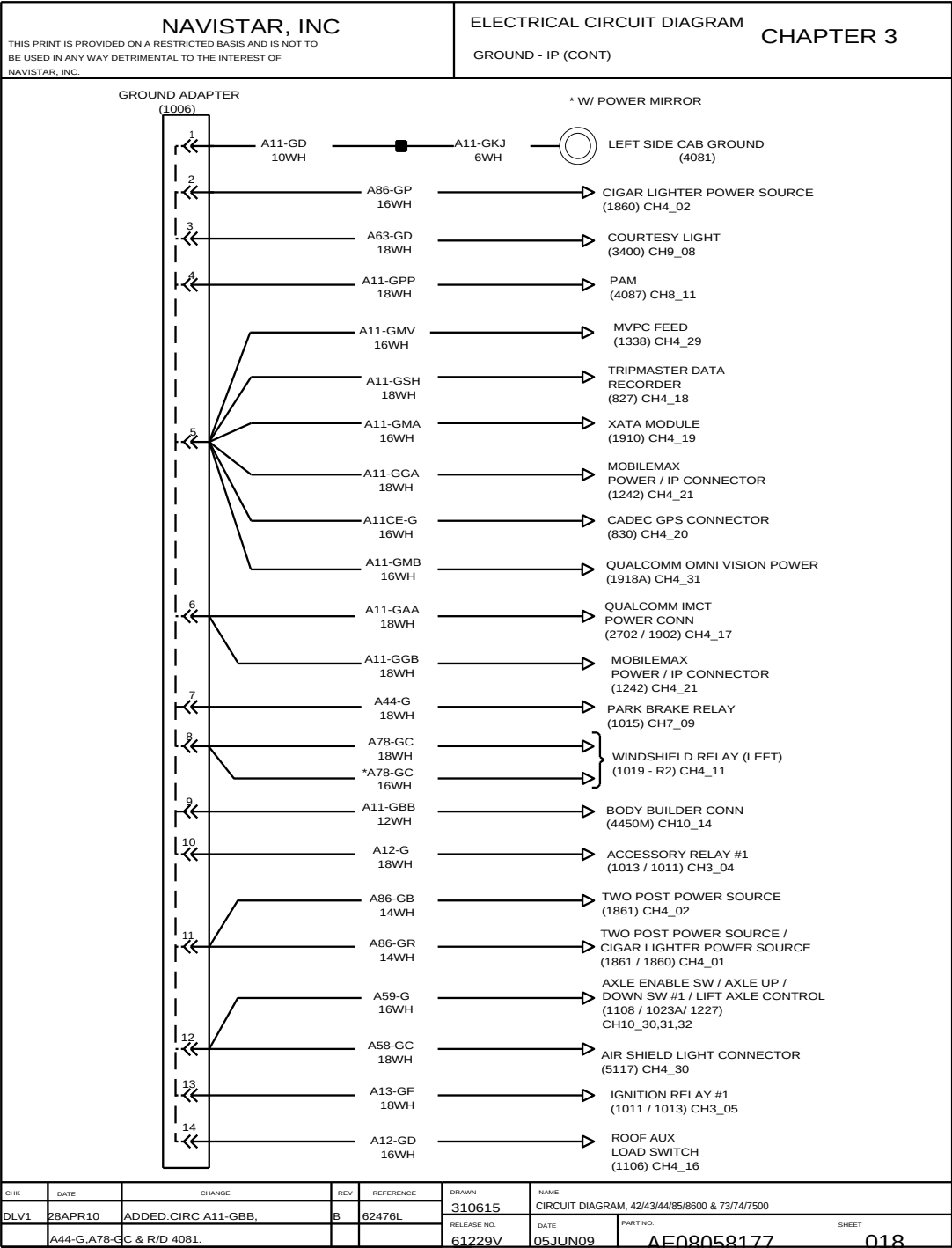


Figure 14 Battery Feed, Dual (Cont.)

3.18. GROUND — IP, P. 18



4.24. HEATED SEATS, P. 23

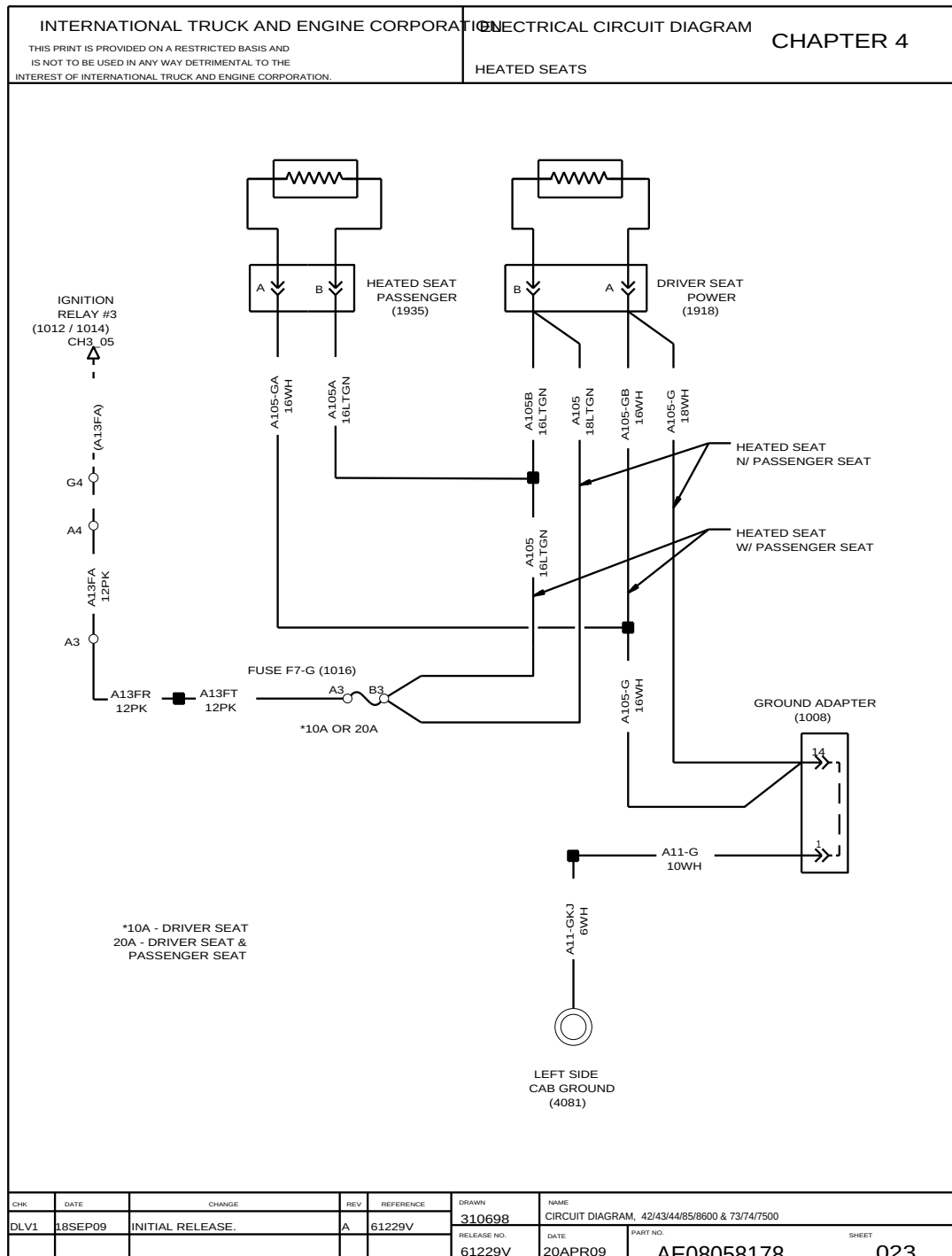


Figure 69 Heated Seats

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

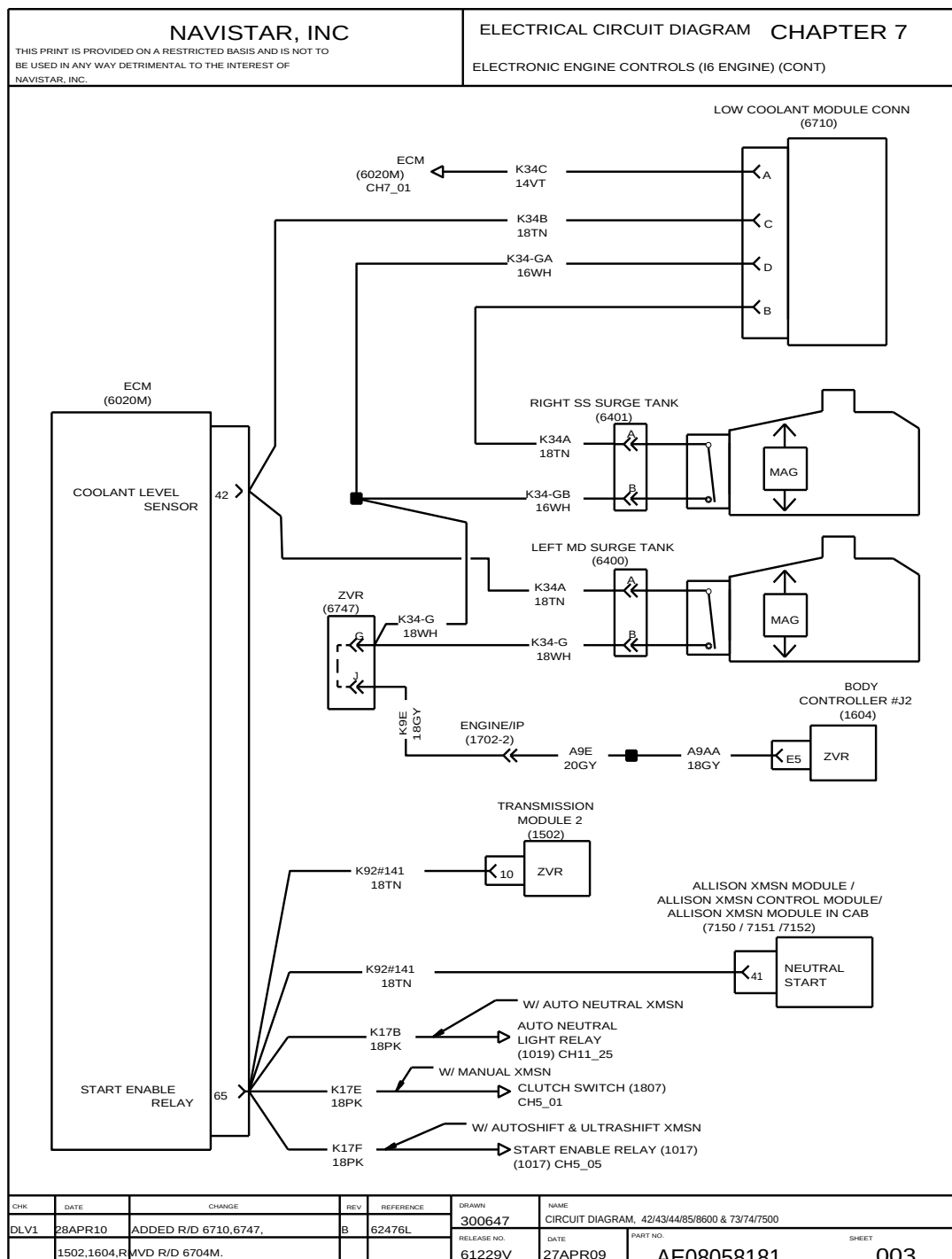


Figure 99 Electronic Engine Controls, I6 Engines (Cont.)

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

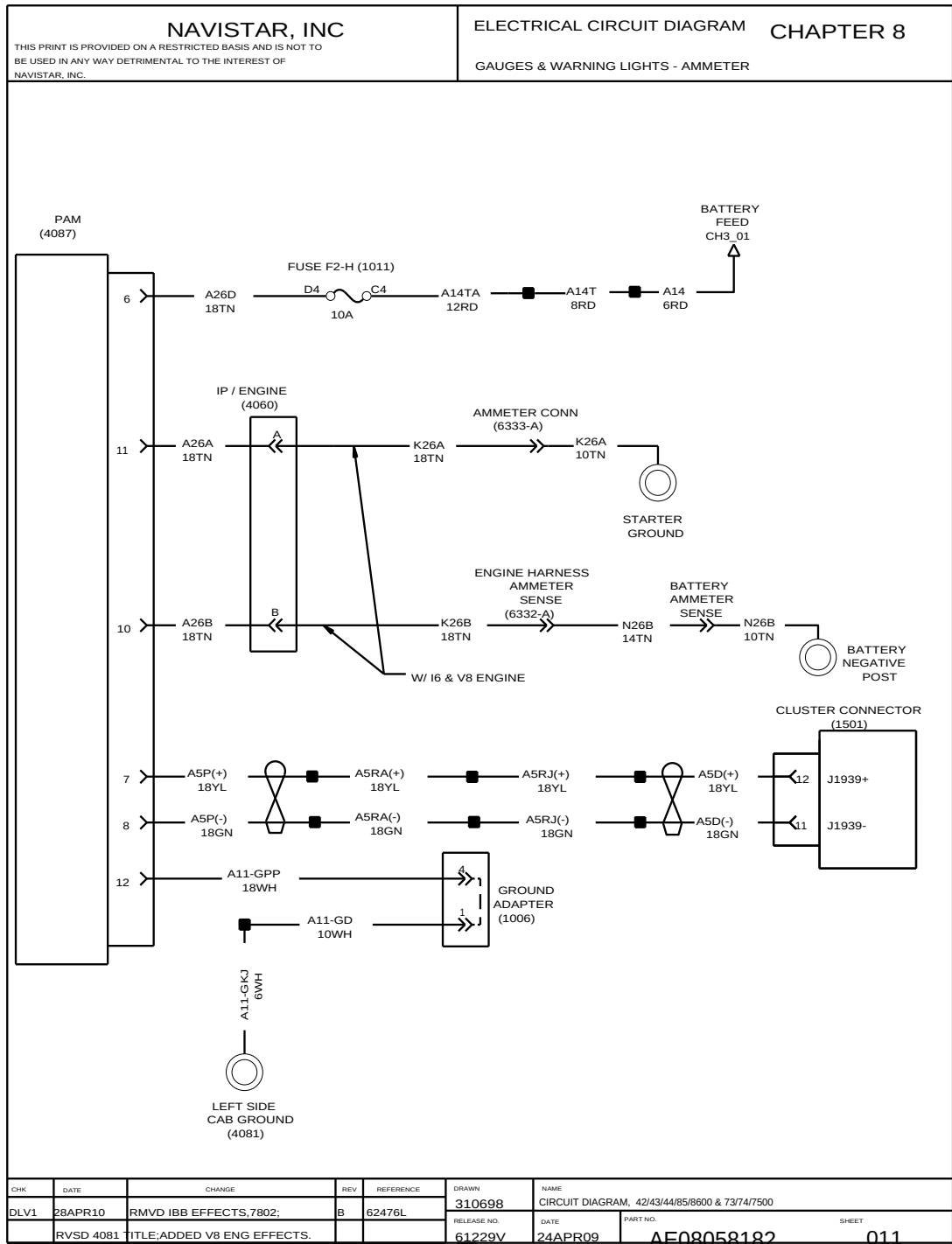


Figure 124 Gauges and Warning Lights — Ammeter

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

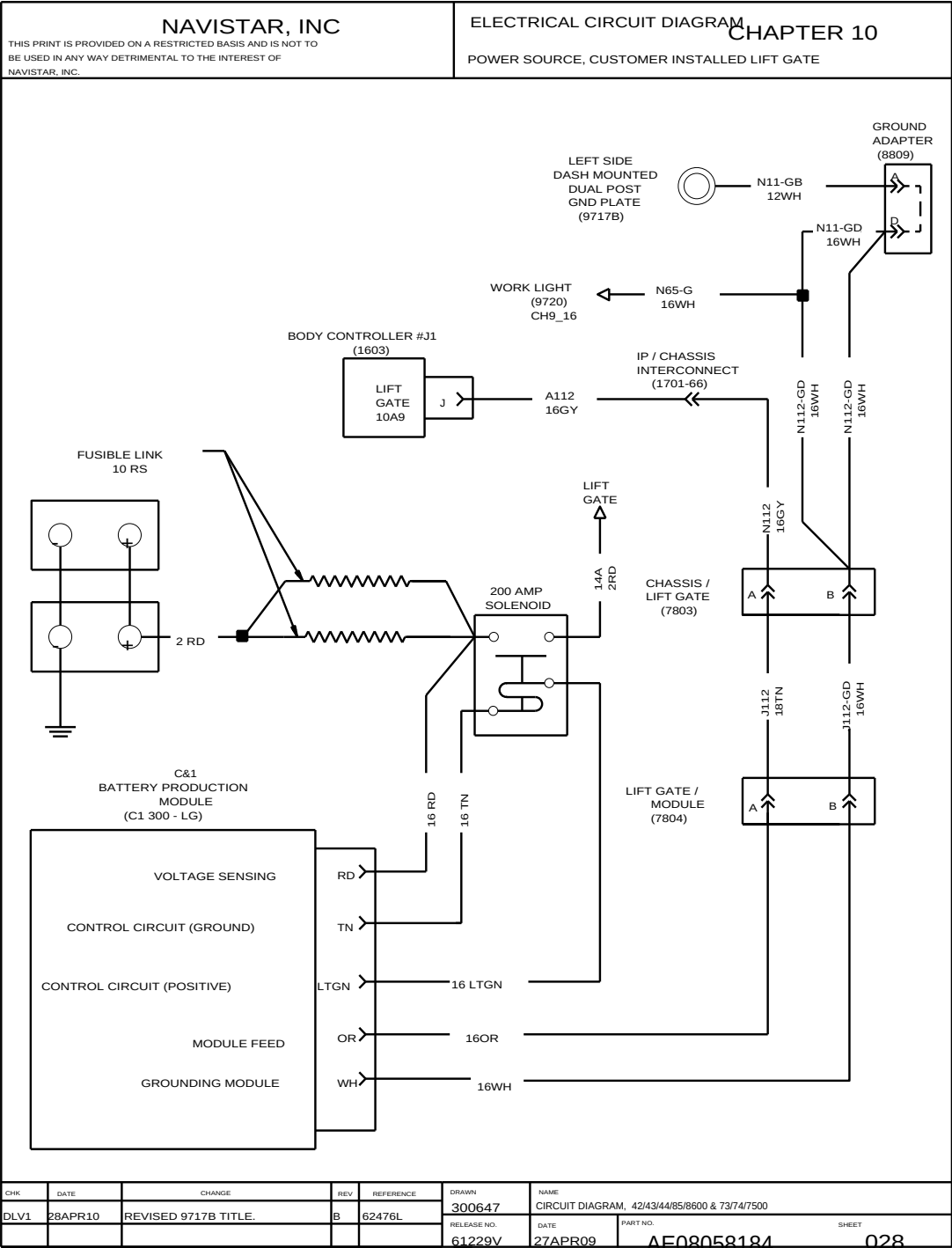


Figure 176 Power Source, Customer Installed Lift Gate

11.11. EATON AUTOSHIFT, P. 11

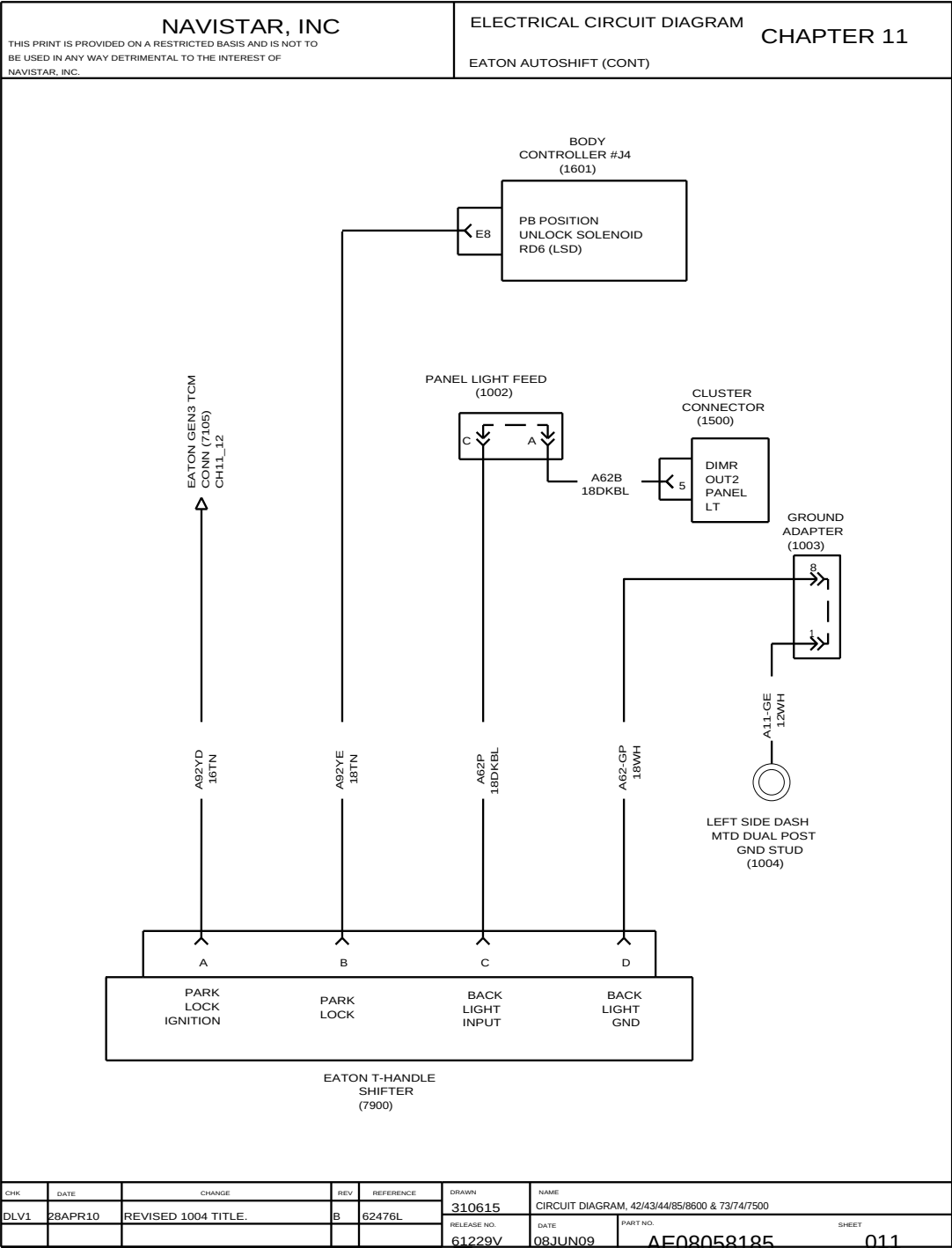


Figure 208 Eaton Autoshift

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

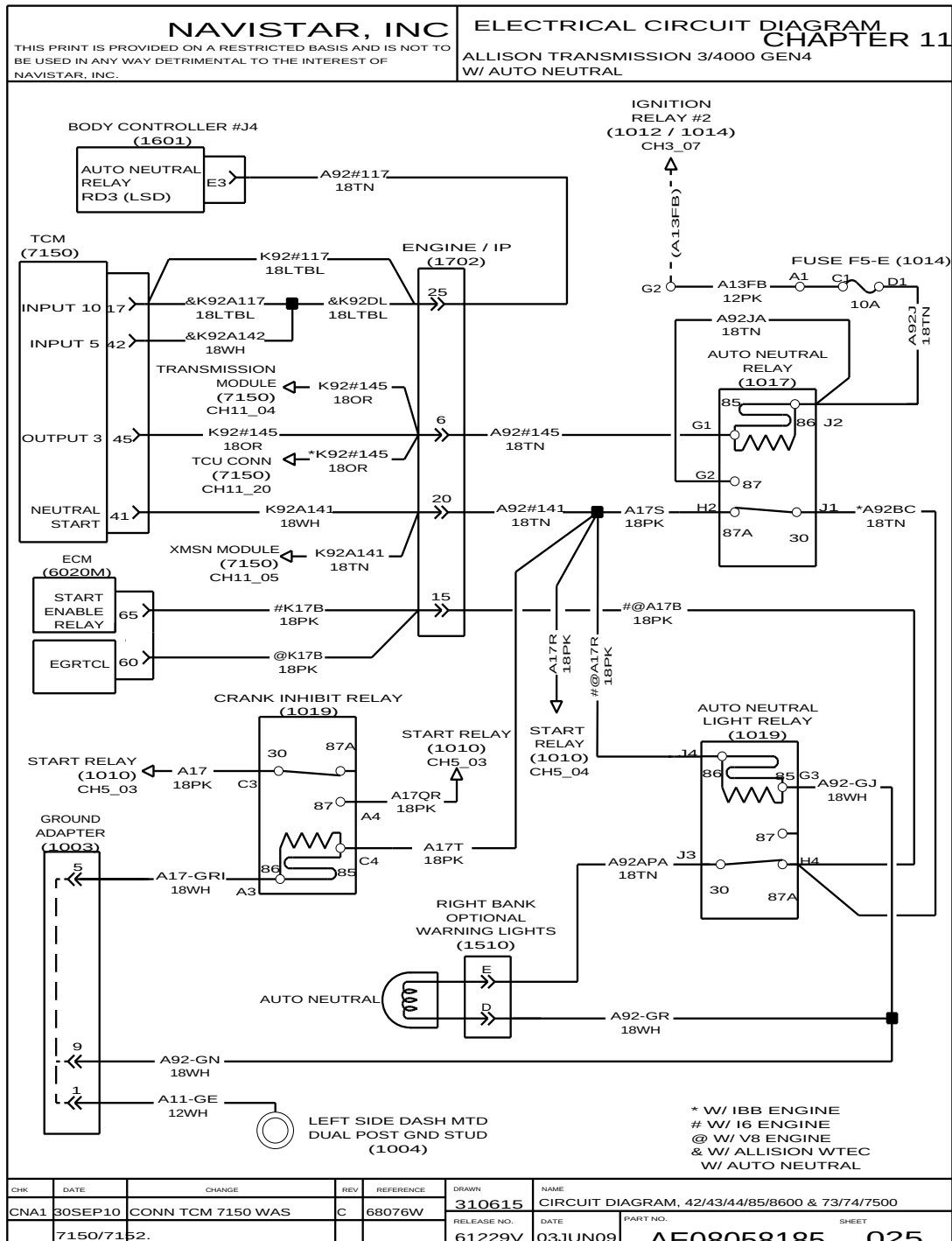


Figure 222 Allison Transmission 3/4000 Gen 4 w/ Auto Neutral

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

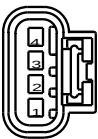
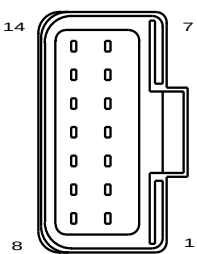
NAVISTAR, INC					ELECTRICAL CIRCUIT CHAPTER 13																																																																																																																		
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LATCHING RELAY (1007) (LOCATED AT BELOW DASH BOARD ON ENGINE COVER)  CONNECTOR 3866653C1 <table border="1"><thead><tr><th>CAV</th><th>CIRCUIT</th><th>GAUGE</th><th>COLOR</th><th>TERMINAL</th><th>SEAL/SLEEVE</th></tr></thead><tbody><tr><td>1</td><td>A14-LN</td><td>18</td><td>WH</td><td>3866654C1</td><td>3680160C1</td></tr><tr><td>2</td><td>A14LA</td><td>18</td><td>RD</td><td>3866654C1</td><td>3680160C1</td></tr><tr><td>3</td><td>A14LB</td><td>18</td><td>RD</td><td>3866654C1</td><td>3680160C1</td></tr><tr><td>4</td><td>A14-LM</td><td>18</td><td>WH</td><td>3866654C1</td><td>3680160C1</td></tr></tbody></table>										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																																																																																
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LATCHING RELAY (1007F / 1007M) (LOCATED AT BELOW DASH BOARD ON ENGINE COVER)  CONNECTOR 1661891C1 BODY LOCK 1661890C1 <table border="1"><thead><tr><th>CAV</th><th>CIRCUIT</th><th>GAUGE</th><th>COLOR</th><th>TERMINAL</th></tr></thead><tbody><tr><td>A</td><td>A14LB</td><td>18</td><td>RD</td><td>1661262C1</td></tr><tr><td>B</td><td>A14-GL</td><td>18</td><td>WH</td><td>1661262C1</td></tr><tr><td>C</td><td>A14LA</td><td>18</td><td>RD</td><td>1661262C1</td></tr></tbody></table>  CONNECTOR 1661889C1 BODY LOCK 1661890C1 <table border="1"><thead><tr><th>CAV</th><th>CIRCUIT</th><th>GAUGE</th><th>COLOR</th><th>TERMINAL</th></tr></thead><tbody><tr><td>A</td><td>A14LB</td><td>18</td><td>RD</td><td>1661261C1</td></tr><tr><td>B</td><td>A14-GL</td><td>18</td><td>WH</td><td>1661261C1</td></tr><tr><td>C</td><td>A14LA</td><td>18</td><td>RD</td><td>1661261C1</td></tr></tbody></table>										CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	A	A14LB	18	RD	1661262C1	B	A14-GL	18	WH	1661262C1	C	A14LA	18	RD	1661262C1	CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	A	A14LB	18	RD	1661261C1	B	A14-GL	18	WH	1661261C1	C	A14LA	18	RD	1661261C1																																																																						
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GROUND ADAPTER (1008) (LOCATED IN INSTRUMENT PANEL RIGHT SIDE)  CONNECTOR 3613769C1 <table border="1"><thead><tr><th>CAV</th><th>CIRCUIT</th><th>GAUGE</th><th>COLOR</th><th>TERMINAL</th></tr></thead><tbody><tr><td>1</td><td>A11-G</td><td>10</td><td>WH</td><td>3612307C1</td></tr><tr><td>2*</td><td>A11-GX</td><td>18</td><td>WH</td><td>3613771C1</td></tr><tr><td>2*</td><td>A62-GT</td><td>18</td><td>WH</td><td>3613771C1</td></tr><tr><td>3</td><td>A96-G</td><td>18</td><td>YL</td><td>3613771C1</td></tr><tr><td>4</td><td>A37-GA</td><td>18</td><td>WH</td><td>3613771C1</td></tr><tr><td>5</td><td>A78-GA</td><td>16</td><td>WH</td><td>3613770C1</td></tr><tr><td>6</td><td>A78-GB</td><td>16</td><td>WH</td><td>3613770C1</td></tr><tr><td>7</td><td>A19-GB</td><td>18</td><td>WH</td><td>3613771C1</td></tr><tr><td>8</td><td>A11-GH</td><td>16</td><td>WH</td><td>3613770C1</td></tr><tr><td>9</td><td>A67-G</td><td>16</td><td>WH</td><td>3613770C1</td></tr><tr><td>10*</td><td>A11-GC</td><td>14</td><td>GY</td><td>3613770C1</td></tr><tr><td>10*</td><td>A65-GA</td><td>18</td><td>WH</td><td>3613771C1</td></tr><tr><td>11*</td><td>A12-GR</td><td>18</td><td>WH</td><td>3613771C1</td></tr><tr><td>11*</td><td>A72-GA</td><td>18</td><td>WH</td><td>3613771C1</td></tr><tr><td>11*</td><td>A72-GC</td><td>18</td><td>WH</td><td>3613771C1</td></tr><tr><td>12</td><td>A11-GL</td><td>18</td><td>WH</td><td>3613771C1</td></tr><tr><td>13*</td><td>A11-GN</td><td>14</td><td>WH</td><td>3613770C1</td></tr><tr><td>13*</td><td>A11-GN</td><td>18</td><td>WH</td><td>3613771C1</td></tr><tr><td>13*</td><td>A11-GN</td><td>12</td><td>WH</td><td>3612307C1</td></tr><tr><td>14*</td><td>A105-G</td><td>18</td><td>WH</td><td>3613771C1</td></tr><tr><td>14*</td><td>A105-G</td><td>16</td><td>WH</td><td>3613770C1</td></tr></tbody></table> * MUTUALLY EXCLUSIVE										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
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MEF2	22JUN10	ADDED CONN 1007,	C	67657R	310702	CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500																																																																																																																	
	1007F AND 1007M.				RELEASE NO.	DATE	PART NO.	SHEET																																																																																																															
					61229V	20APR09	AE08058187	006																																																																																																															

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

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

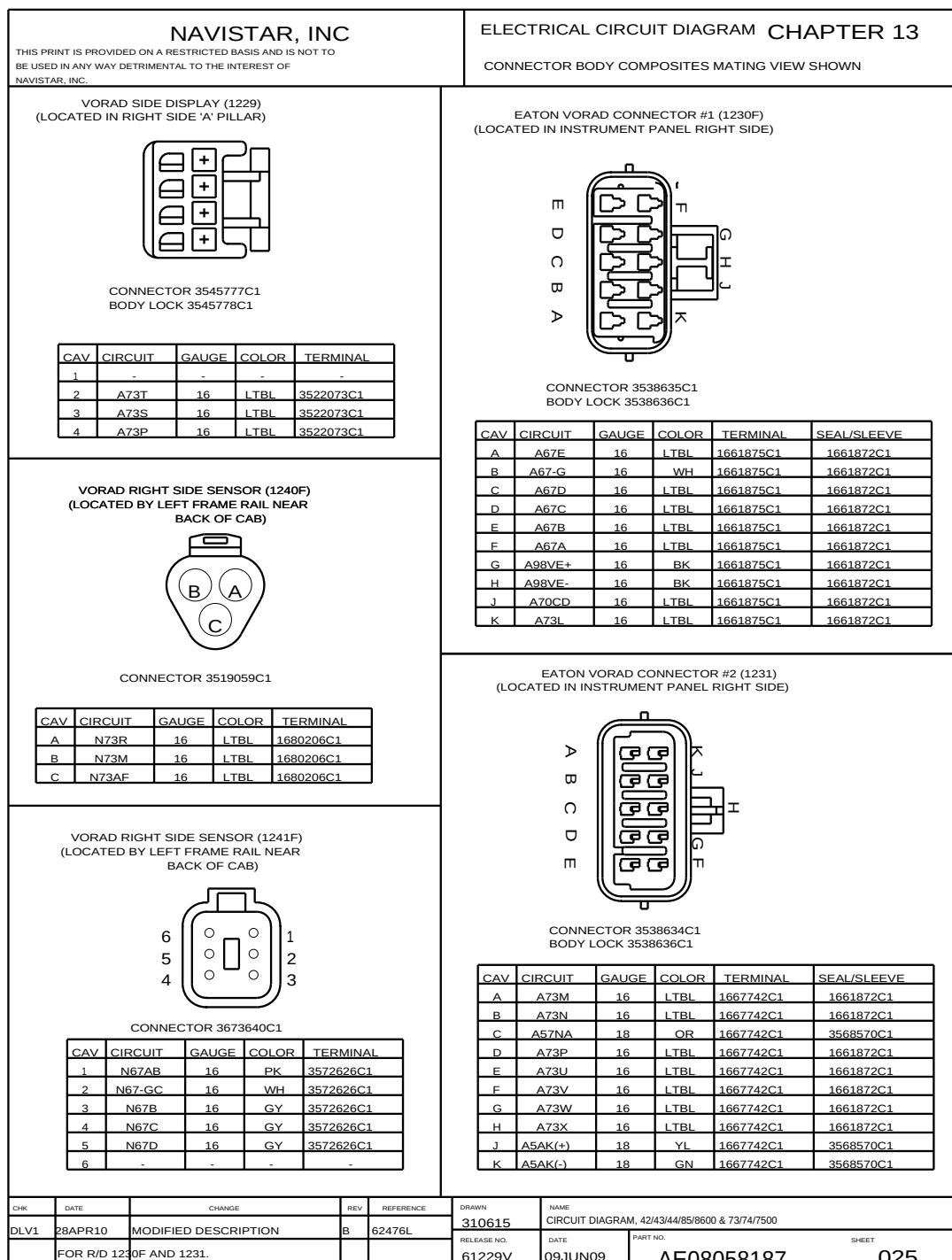


Figure 259 Connector Composites (1229), (1230F), (1231), (1240F), (1241F)

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

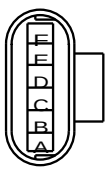
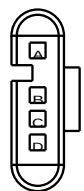
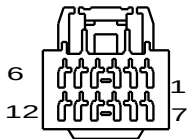
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DUAL ANALOG ACCELERATOR (1804) (LOCATED ABOVE ACCELERATOR PEDAL)  <table border="1" style="font-size: x-small;"> <thead> <tr> <th>CAV</th> <th>CIRCUIT</th> <th>GAUGE</th> <th>COLOR</th> <th>TERMINAL</th> </tr> </thead> <tbody> <tr><td>A</td><td>B99V</td><td>18</td><td>PL</td><td>1651943C1</td></tr> <tr><td>B</td><td>B97Y</td><td>18</td><td>PL</td><td>1651943C1</td></tr> <tr><td>C</td><td>B97P</td><td>18</td><td>PL</td><td>1651943C1</td></tr> <tr><td>D</td><td>B99U</td><td>18</td><td>PL</td><td>1651943C1</td></tr> <tr><td>E</td><td>B99W</td><td>18</td><td>PL</td><td>1651943C1</td></tr> <tr><td>F</td><td>B99E</td><td>18</td><td>PL</td><td>1651943C1</td></tr> </tbody> </table> 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																														
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CLOCK SPRING (1809) (LOCATED IN STEERING COLUMN)  <table border="1" style="font-size: x-small;"> <thead> <tr> <th>CAV</th> <th>CIRCUIT</th> <th>GAUGE</th> <th>COLOR</th> <th>TERMINAL</th> </tr> </thead> <tbody> <tr><td>A</td><td>B9R</td><td>18</td><td>GY</td><td>1661261C1</td></tr> <tr><td>B</td><td>B96</td><td>18</td><td>PL</td><td>1661261C1</td></tr> <tr><td>C</td><td>B85C</td><td>18</td><td>GY</td><td>1661261C1</td></tr> <tr><td>D</td><td>B85B</td><td>18</td><td>GY</td><td>1661261C1</td></tr> </tbody> </table> 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																																								
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TURN SIGNAL SWITCH (1810) (LOCATED ON STEERING COLUMN)  <table border="1" style="font-size: x-small;"> <thead> <tr> <th>CAV</th> <th>CIRCUIT</th> <th>GAUGE</th> <th>COLOR</th> <th>TERMINAL</th> </tr> </thead> <tbody> <tr><td>1</td><td>B56A</td><td>18</td><td>OR</td><td>3571717C1</td></tr> <tr><td>2</td><td>B57A</td><td>18</td><td>OR</td><td>3571717C1</td></tr> <tr><td>3</td><td>B52A</td><td>18</td><td>YL</td><td>3571717C1</td></tr> <tr><td>4</td><td>B102A</td><td>18</td><td>YL</td><td>3571717C1</td></tr> <tr><td>5</td><td>B82B</td><td>18</td><td>GY</td><td>3571717C1</td></tr> <tr><td>6</td><td>B11-GAA</td><td>18</td><td>WH</td><td>3571717C1</td></tr> <tr><td>7</td><td>B9S</td><td>18</td><td>GY</td><td>3571717C1</td></tr> <tr><td>8</td><td>B82</td><td>18</td><td>GY</td><td>3571717C1</td></tr> <tr><td>9</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>10</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>11</td><td>B82A</td><td>18</td><td>GY</td><td>3571717C1</td></tr> <tr><td>12</td><td>B87A</td><td>18</td><td>GY</td><td>3571717C1</td></tr> </tbody> </table> 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
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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)

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

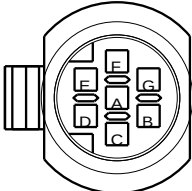
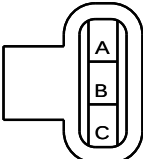
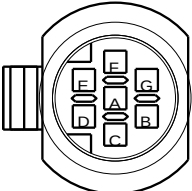
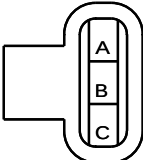
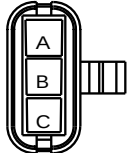
NAVISTAR, INC					ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13																																																																			
THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF NAVISTAR, INC.					CONNECTOR BODY COMPOSITES MATING VIEW SHOWN																																																																			
BODY BUILDER CONNECTION (4450AM) (LOCATED BETWEEN CENTER CHASSIS AND REAR CHASSIS)					* MUTUALLY EXCLUSIVE																																																																			
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CONNECTOR 3553961C1 BODY LOCK 3554019C1																																																																								
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.			61229V	DATE 09JUN09 PART NO. AE08058187 SHEET 066																																																																		

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

13.108. CONNECTOR COMPOSITES (7910), (7911), P. 96

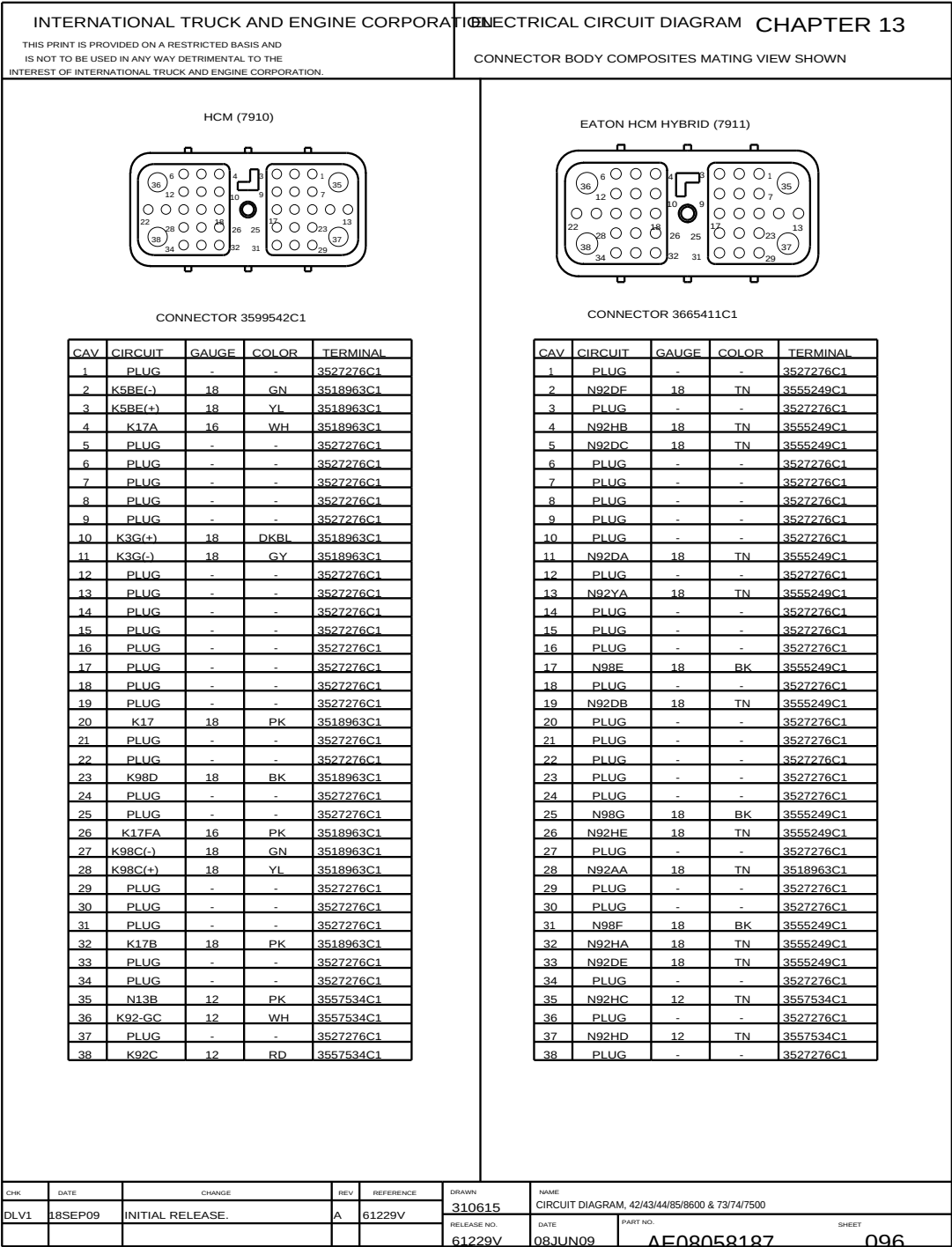


Figure 341 Connector Composites (7910), (7911)

13.144. CONNECTOR COMPOSITES (9915), (9920), (9921), (9989), (9994), P. 132

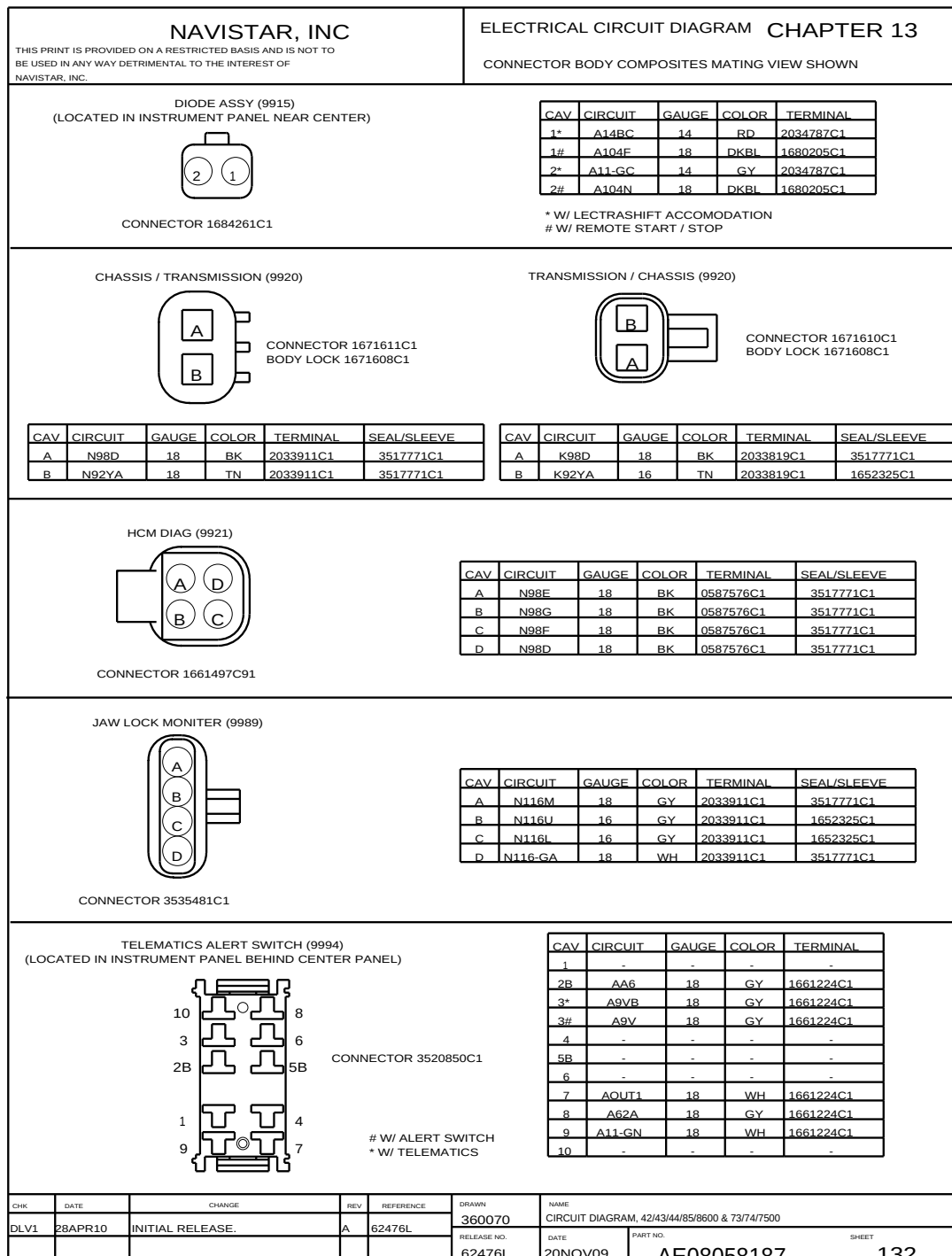


Figure 377 Connector Composites (9915), (9920), (9921), (9989), (9994)