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## Electrical Circuit Diagrams

TerraStar®

**Navistar, Inc.**

2701 Navistar Drive, Lisle, IL 60532 USA



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## INSTRUCTIONS AND CHARTS (CHAPTER 2)

### 2.1. ABBREVIATIONS, P. 1

<b>NAVISTAR, INC</b> <small>THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF NAVISTAR, INC.</small>				<b>ELECTRICAL CIRCUIT DIAGRAM</b> <b>CHAPTER 2</b> <b>ABBREVIATIONS</b>	
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
CNA1	11NOV10	INITIAL RELEASE.	A	67696A	U01A133	CIRCUIT DIAGRAM, TERRASTAR
					RELEASE NO.	DATE
					67696A	04AUG10
					PART NO.	SHEET
					AE08064593	001

Figure 1 Abbreviations

**ELECTRICAL CIRCUIT DIAGRAM MANUAL**

**2.2. ACRONYMS, P. 2**

NAVISTAR, INC				ELECTRICAL CIRCUIT DIAGRAM CHAPTER 2																																																																																																																																																											
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**Figure 2 Acronyms**

2.3. CIRCUIT DIAGRAM INSTRUCTIONS, P. 3

**NAVISTAR, INC**

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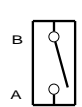
**ELECTRICAL CIRCUIT DIAGRAM**

**CHAPTER 2**

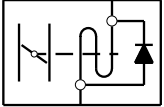
**CIRCUIT DIAGRAM INSTRUCTIONS**

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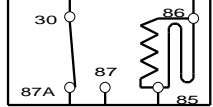
**A - SWITCH AND RELAY POSITIONS AS SHOWN ON CIRCUIT DIAGRAMS INDICATE NORMAL POSITION WITH IGNITION OFF UNLESS OTHERWISE NOTED.**



SWITCH, MECHANICAL

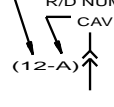


SOLENOID

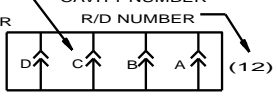


RELAY - SUPPRESSED

**B - MULTIPLE CONNECTIONS ARE DISPLAYED ON SCHEMATIC AS SHOWN WITH R/D NUMBER & CAVITY NUMBER. REFER TO CONNECTOR COMPOSITE FOR MORE INFORMATION**

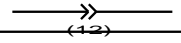


R/D NUMBER  
CAVITY NUMBER  
(12-A)



CAVITY NUMBER  
R/D NUMBER  
(12)

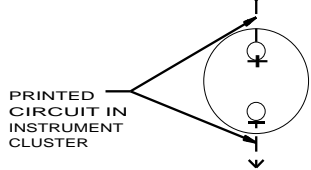
SINGLE IN-LINE CONNECTORS DISPLAYED AS SHOWN BELOW WITH R/D NUMBER




(12)

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**C - PHANTOM LINES INDICATE PRINTED CIRCUITS OR BUSSED CIRCUITS. THESE CIRCUITS EXIST IN THE INSTRUMENT CLUSTER AND FUSE / CIRCUIT BREAKER CONNECTORS.**



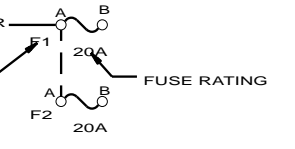
PRINTED CIRCUIT IN INSTRUMENT CLUSTER



VOLTMETER




LOCATION / CIRCUIT NUMBER  
WIRE GAUGE / WIRE COLOR



LOCATION IN FUSE / CIRCUIT BREAKER CONNECTION

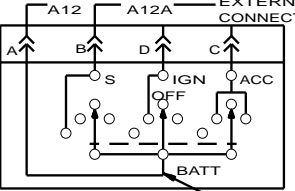
**D - MULTIPLE CIRCUIT NUMBERS ON A LINE INDICATE ONE CIRCUIT DISTRIBUTING CURRENT TO TWO CIRCUITS.**



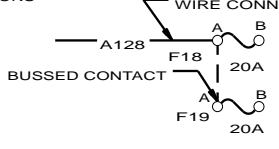
SPLICE

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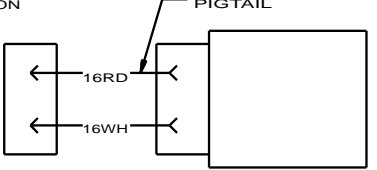
**E - SWITCHES, RELAYS AND COMPONENTS INDICATE EXTERNAL WIRE CONNECTIONS AND / OR INTERNAL CONNECTIONS.**



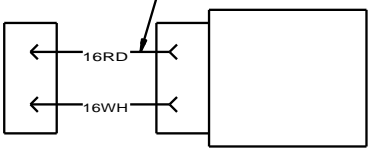
KEY SWITCH (1101M)



WIRE CONNECTION  
BUSSED CONTACT




PIGTAIL




BODY CONTROLLER (1602)


**F - CIRCUIT "11" DENOTES ANY COMMON GROUND (MORE THAN ONE CIRCUIT). ANY INDIVIDUAL GROUND CIRCUIT IS IDENTIFIED WITH THAT PARTICULAR CIRCUIT NUMBER. (E.G. CIRCUIT 32 CRUISE CONTROL IS IDENTIFIED AS PER EXAMPLE)**



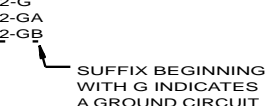
COMMON GROUND CIRCUIT NUMBER



SUFFIX BEGINNING WITH G INDICATES A GROUND CIRCUIT



INDIVIDUAL GROUND CIRCUIT NUMBER



SUFFIX BEGINNING WITH G INDICATES A GROUND CIRCUIT

NOTE: FOR CIRCUIT DESCRIPTION OTHER THAN GROUNDS NEITHER THE LETTER "G" NOR THE COLOR WHITE SHALL BE USED

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CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
CNA1	11NOV10	INITIAL RELEASE.	A	67696A	U01A133	CIRCUIT DIAGRAM, TERRASTAR
					RELEASE NO.	DATE
					67696A	04AUG10
					PART NO.	SHEET
					AE08064593	003

Figure 3 Circuit Diagram Instructions

3

2.4. CIRCUIT NUMBER IDENTIFICATION AND COLOR, P. 4

NAVISTAR, INC		ELECTRICAL CIRCUIT DIAGRAM	
THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF NAVISTAR, INC.		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	ACCESSORY FEED	
13	PK	IGNITION FEED	
	BK	IGNITION FEED (BODY BUILDER CONNECTOR)	
14	RD	BATTERY FEED	
15	RD	KEY SWITCH FEED	
16			
17	PK	STARTER CONTROL	
18	PK	GLOW PLUG / PREHEATER	
19	GY	ENGINE SHUTDOWN	
20	LTGN	REMOTE POWER MODULE	
21	TN	COLD START CONTROLS (ETHER)	
22	TN	TIRE PRESSURE MONITORING / CONTROL	
23	TN	ENGINE FAN / SHUTTERS	
24	GY	ENGINE EXHAUST BRAKE	
25	TN	PYROMETER	
26	TN	AMMETER	
27	TN	VOLTMETER	
28	TN	INSTRUMENT & GAUGES	
29	TN	ENGINE WATER TEMPERATURE	
30	TN	ENGINE OIL TEMPERATURE	
31	TN	TRANSMISSION OIL TEMPERATURE	
32	TN	AXLE OIL TEMPERATURE	
33	TN	ENGINE OIL LEVEL	
34	TN	COOLANT LEVEL	
35	TN	ENGINE OIL PRESSURE	
36	TN	FUEL LEVEL	
37	TN	FUEL PUMP	
38	GY	LIFT AXLE	
39	GY	AIR DRYER HEATER	
40	GY	LOW AIR PRESSURE WARNING	

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
CNA1	11NOV10	INITIAL RELEASE.	A	67696A	U01A133	CIRCUIT DIAGRAM, TERRASTAR
					RELEASE NO.	DATE
					67696A	04AUG10
					PART NO.	SHEET
					AE08064593	004

Figure 4 Circuit Number Identification and Color

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

NAVISTAR, INC				ELECTRICAL CIRCUIT DIAGRAM			
THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF NAVISTAR, INC.				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
CNA1	11NOV10	INITIAL RELEASE.	A	67696A	U01A133	CIRCUIT DIAGRAM, TERRASTAR
					RELEASE NO.	DATE
					67696A	04AUG10
					PART NO.	SHEET
					AE08064593	005

Figure 5 Circuit Number Identification and Color (Cont.)

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

<b>NAVISTAR, INC</b>				<b>ELECTRICAL CIRCUIT DIAGRAM</b>			
THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF NAVISTAR, INC.				<b>CHAPTER 2</b>			
				<b>CIRCUIT NUMBER IDENTIFICATION AND COLOR (CONT)</b>			
<b>CIRCUIT NUMBER</b>	<b>COLOR</b>	<b>DESCRIPTION</b>					
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					

<b>PREFIX</b>	<b>LOCATION</b>
A	CAB - INSTRUMENT PANEL MODULE
B	CAB - DRIVER CONTROL MODULE
C	CAB - HEADER / CLEARANCE LIGHTS
D	CAB - ROOF / REAR PANEL
E	CAB - LEFT DOOR / DOORS
F	CAB - RIGHT DOOR / DOORS
H	CAB - SLEEPER
J	CAB - DASH (OUTSIDE)
K	ENGINE / RADIATOR
L	TRANSMISSION
M	CHASSIS / FRONT END (CAB DASH PANEL FORWARD)
N	CHASSIS / CENTER SECTION (CAB DASH PANEL TO CAB REAR XMBR)
P	CHASSIS / WHEEL BASE SECTION
R	CHASSIS / SUSPENSION / REAR AXLE / AXLES
S	CHASSIS / AF SECTION / STOP / TAIL / TURN LIGHTS
T	TRAVEL DOORS
U	HOOD MTD HEADLIGHTS / MARKER LIGHTS
V	SLEEPER ROOF / BACK PANEL WIRING
W	WARDROBE CABINET WIRING

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
CNA1	11NOV10	INITIAL RELEASE.	A	67696A	U01A133	CIRCUIT DIAGRAM, TERRASTAR
					RELEASE NO.	DATE
					67696A	04AUG10
					PART NO.	SHEET
					AE08064593	006

Figure 6 Circuit Number Identification and Color (Cont.)

2.7. LAMP BULB CHART, P. 7

<b>NAVISTAR, INC</b>				<b>ELECTRICAL CIRCUIT DIAGRAM</b>																																																																											
THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF NAVISTAR, INC.				<b>CHAPTER 2</b>																																																																											
				<b>LAMP BULB CHART</b>																																																																											
<table border="1" style="width: 100%; border-collapse: collapse; margin-top: 20px;"> <thead> <tr> <th style="width: 55%;">BULB APPLICATION</th> <th style="width: 20%;">CANDLEPOWER OR WATT</th> <th style="width: 25%;">BULB TRADE NUMBER</th> </tr> </thead> <tbody> <tr><td>BACK-UP LIGHTS</td><td>32 CP</td><td>GE1156</td></tr> <tr><td>CLEARANCE &amp; IDENTIFICATION SMALL</td><td>3 CP</td><td>GE168</td></tr> <tr><td>COURTESY LIGHT</td><td>21 CP</td><td>1142</td></tr> <tr><td>DOME LIGHTS</td><td>21 CP</td><td>1142</td></tr> <tr><td>FOG LIGHTS</td><td>100 WATT</td><td>4921 - 1</td></tr> <tr><td>LOW BEAMS</td><td>55 WATT</td><td>GE9007</td></tr> <tr><td>HIGH BEAMS</td><td>60 WATT</td><td>GE9007</td></tr> <tr><td>CIGAR LIGHTER</td><td>1 CP</td><td>1455</td></tr> <tr><td>MAP LIGHT</td><td>3 CP</td><td>1816</td></tr> <tr><td>SIDE MARKER</td><td></td><td>2548</td></tr> <tr><td>STOP &amp; TURN / TAIL &amp; LICENSE PLATE</td><td>32 / 3 CP</td><td>3157</td></tr> <tr><td>TURN SIGNAL / MARKER (FENDER)</td><td>32 / 3 CP</td><td>3157</td></tr> <tr><td>TURN SIGNAL &amp; MARKER LIGHT</td><td></td><td>2356</td></tr> <tr><td>WORK (TRAILER HOOK)</td><td>35 WATT</td><td>4411</td></tr> <tr><td>BACK-UP LIGHTS UPPER AND LOWER BUNK READING LIGHT</td><td>15 CP</td><td>1003</td></tr> <tr><td>CABINET / WARDROBE LIGHT</td><td>5W</td><td>7575</td></tr> <tr><td>UNDER BUNK LIGHT</td><td>21 CP / 2(12 CP)</td><td>577 / 211</td></tr> <tr><td>ACCENT LIGHT</td><td>2 (12 CP)</td><td>211</td></tr> <tr><td>DOME LIGHT LAMP</td><td>15 WATT</td><td>F15T8 - CW</td></tr> <tr><td>SLEEPER FLOOR LIGHT</td><td>4 CP</td><td>W5W</td></tr> <tr><td>HEATER AND AIR CONDITIONER CONTROL</td><td>3 CP</td><td>168</td></tr> <tr><td>LUGGAGE COMPARTMENT LIGHT</td><td>6 CP</td><td>99</td></tr> <tr><td>READING LIGHT</td><td>15 CP</td><td>1003</td></tr> </tbody> </table>								BULB APPLICATION	CANDLEPOWER OR WATT	BULB TRADE NUMBER	BACK-UP LIGHTS	32 CP	GE1156	CLEARANCE & IDENTIFICATION SMALL	3 CP	GE168	COURTESY LIGHT	21 CP	1142	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
BULB APPLICATION	CANDLEPOWER OR WATT	BULB TRADE NUMBER																																																																													
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CNA1	11NOV10	INITIAL RELEASE.	A	67696A	U01A133	CIRCUIT DIAGRAM, TERRASTAR																																																																									
					RELEASE NO.	DATE	PART NO. SHEET																																																																								
					67696A	04AUG10	AE08064593 007																																																																								

Figure 7 Lamp Bulb Chart

2.8. RELAY FUNCTION AND WIRING DIAGRAM, P. 8

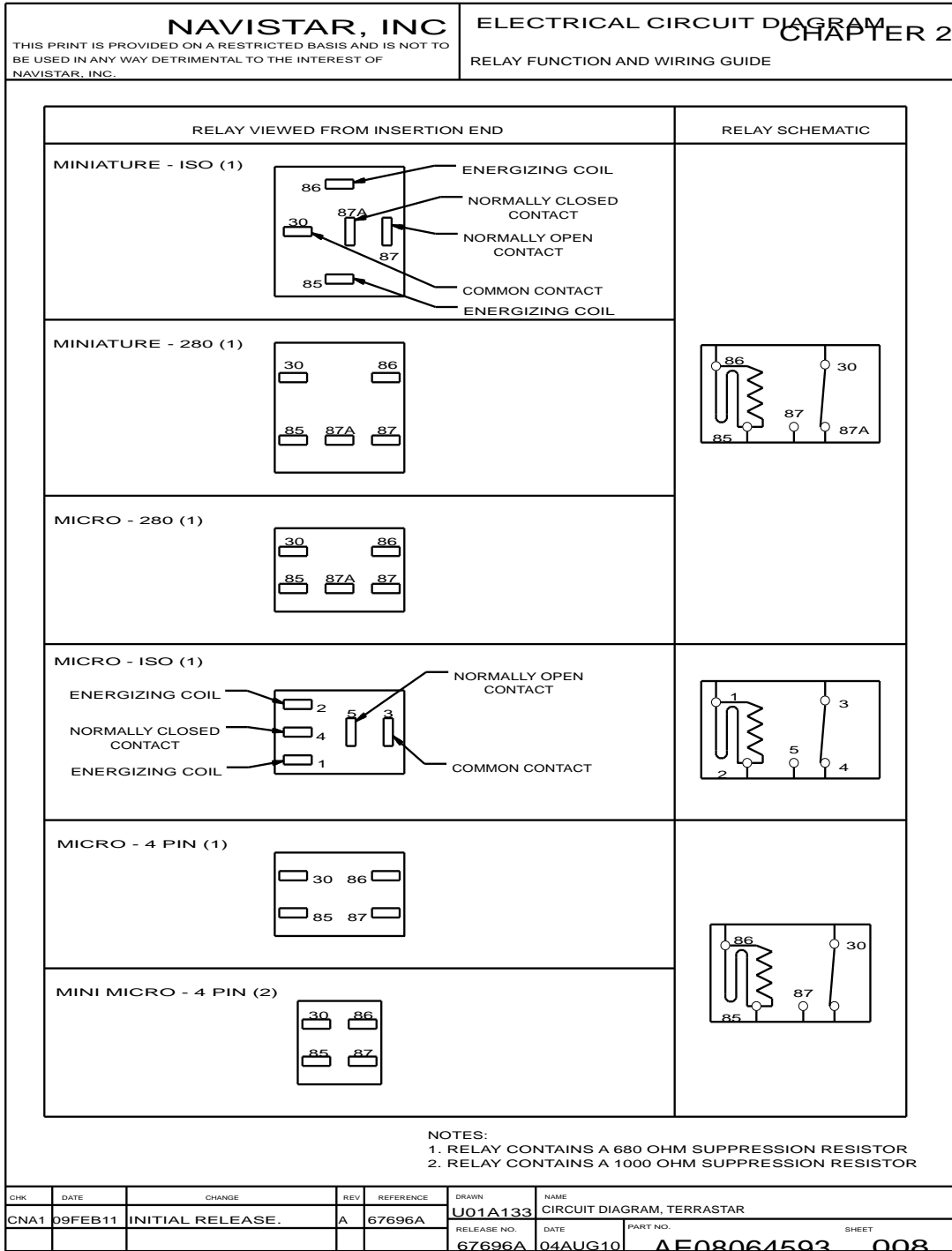


Figure 8 Relay Function and Wiring Diagram



2.9. SCHEMATIC SYMBOL CHART, P. 9

<b>NAVISTAR, INC</b> <small>THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF NAVISTAR, INC.</small>					<b>ELECTRICAL CIRCUIT DIAGRAMS</b> <b>CHAPTER 2</b> <b>SCHEMATIC SYMBOL CHART</b>				
SYMBOL		DESCRIPTION			SYMBOL		DESCRIPTION		
		AIR DRYER					CIGAR LIGHTER		
		ALARM			TYPE 1                      TYPE 2 OR 3		CIRCUIT BREAKER		
		ALTERNATOR					DIODE		
		AMMETER					DIODE, LIGHT EMITTING		
		BATTERY					FAN SOLENOID		
		BLUNT CUT CIRCUIT					FEMALE TERMINAL		
		BUSBAR					FUSE		
CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME			
CNA1	11NOV10	INITIAL RELEASE.	A	67696A	U01A133	CIRCUIT DIAGRAM, TERRASTAR			
					RELEASE NO.	DATE	PART NO.	SHEET	
					67696A	04AUG10	AE08064593	009	

Figure 9 Schematic Symbol Chart

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

NAVISTAR, INC					ELECTRICAL CIRCUIT DIAGRAM				
THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF NAVISTAR, INC.					CHAPTER 2 SCHEMATIC SYMBOL CHART (CONT)				
SYMBOL		DESCRIPTION			SYMBOL		DESCRIPTION		
		FUSES W/ BUSBAR					HORN		
		FUSIBLE LINK					KEY SWITCH		
		GROUND N/ STUD					KEY SWITCH, COMPLEX		
		GROUND W/ STUD					LIGHT W/ SWITCH		
		HEATER					LIGHT, DOUBLE FILAMENT		
		HOLDER, FUSE W/ BUSBAR					LIGHT, SINGLE FILAMENT		
		BRACE							
CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME			
CNA1	11NOV10	INITIAL RELEASE.	A	67696A	U01A133	CIRCUIT DIAGRAM, TERRASTAR			
					RELEASE NO.	DATE	PART NO.	SHEET	
					67696A	04AUG10	AE08064593	010	

Figure 10 Schematic Symbol Chart (Cont.)

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

<b>NAVISTAR, INC</b> <small>THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF NAVISTAR, INC.</small>				<b>ELECTRICAL CIRCUIT DIAGRAM</b> <b>CHAPTER 2</b> <b>SCHEMATIC SYMBOL CHART (CONT)</b>			
SYMBOL				SYMBOL			
	MALE TERMINAL				RESISTOR		
	MOTOR				SENDER - FUEL, OIL, WATER		
	PASS THRU CONNECTION				SENSOR, PRESSURE, ABS 6		
	PRESSURE SWITCH				SENSOR, MAGNETIC		
	RELAY, FIVE TERMINAL				SENSOR, YAW		
	RELAY, FOUR TERMINAL				SOLENOID		
	RELAY, LATCHING				SOLENOID W/ DIODE		
CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME	
CNA1	11NOV10	INITIAL RELEASE.	A	67696A	U01A133	CIRCUIT DIAGRAM, TERRASTAR	
					RELEASE NO.	DATE	PART NO. SHEET
					67696A	04AUG10	AE08064593 011

Figure 11 Schematic Symbol Chart (Cont.)

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

NAVISTAR, INC					ELECTRICAL CIRCUIT DIAGRAM				
THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF NAVISTAR, INC.					CHAPTER 2 SCHEMATIC SYMBOL CHART (CONT)				
SYMBOL		DESCRIPTION			SYMBOL		DESCRIPTION		
		SPEAKER					SWITCH, PUSH BUTTON		
		SPLICE					TERMINATING RESISTOR		
		STUD					THERMOSTAT		
		START MOTOR W/ TOCP					VALVE, ETHER BOTTLE		
		SWITCH, MECHANICAL (NORMALLY OPEN)					VALVE, MODULATOR		
		SWITCH, MECHANICAL (NORMALLY CLOSED)					DIODE ASSEMBLY		
CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME			
CNA1	11NOV10	INITIAL RELEASE.	A	67696A	U01A133	CIRCUIT DIAGRAM, TERRASTAR			
					RELEASE NO.	DATE	PART NO.	SHEET	
					67696A	04AUG10	AE08064593	012	

Figure 12 Schematic Symbol Chart (Cont.)



3.2. IGNITION FEED – STANDARD, THEFT DETERRENT, REMOTE START / STOP, P. 2

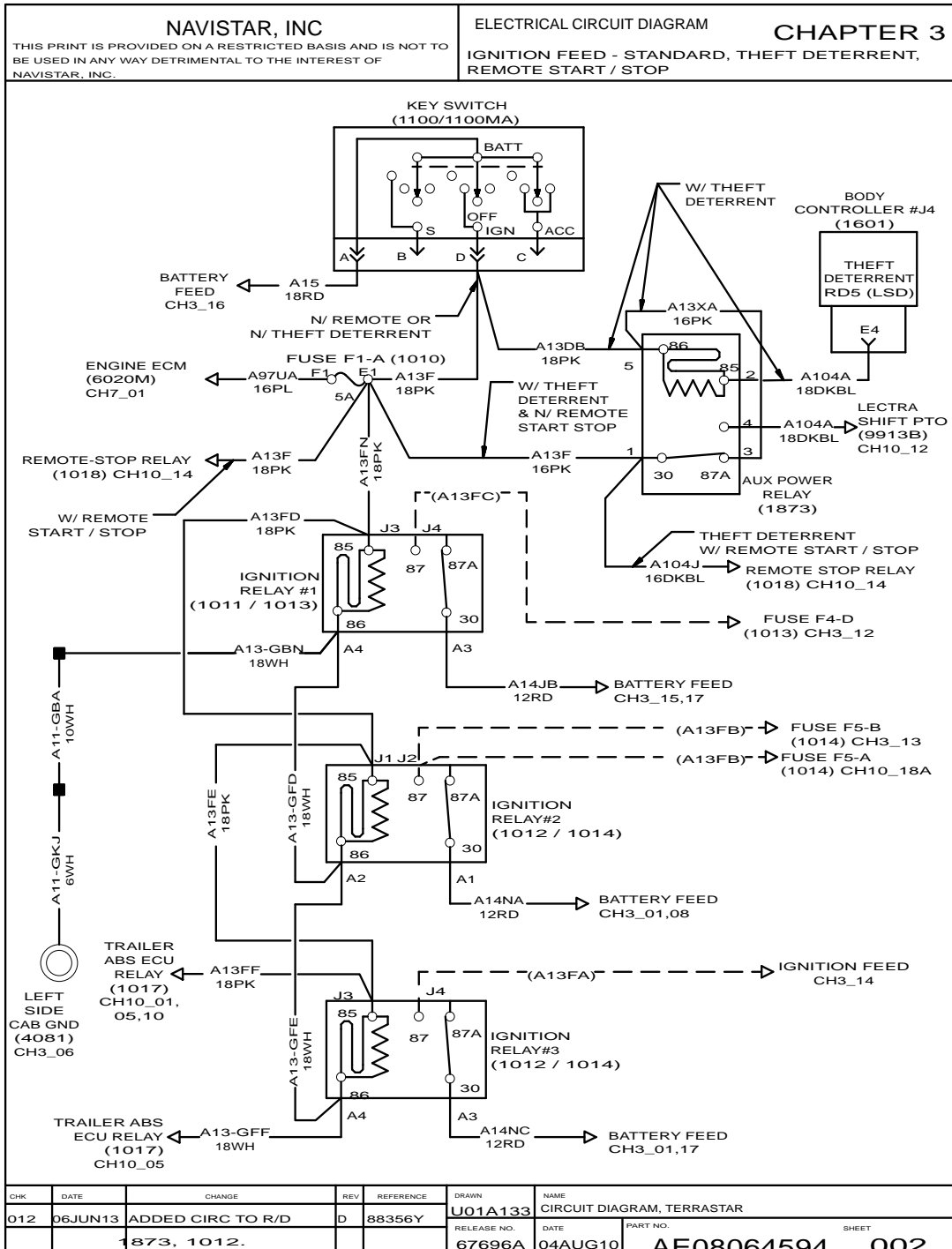


Figure 14 Ignition Feed – Standard, Theft Deterrent, Remote Start / Stop

3.3. J708 DATA LINK – PUBLIC EFFECTS, P. 3

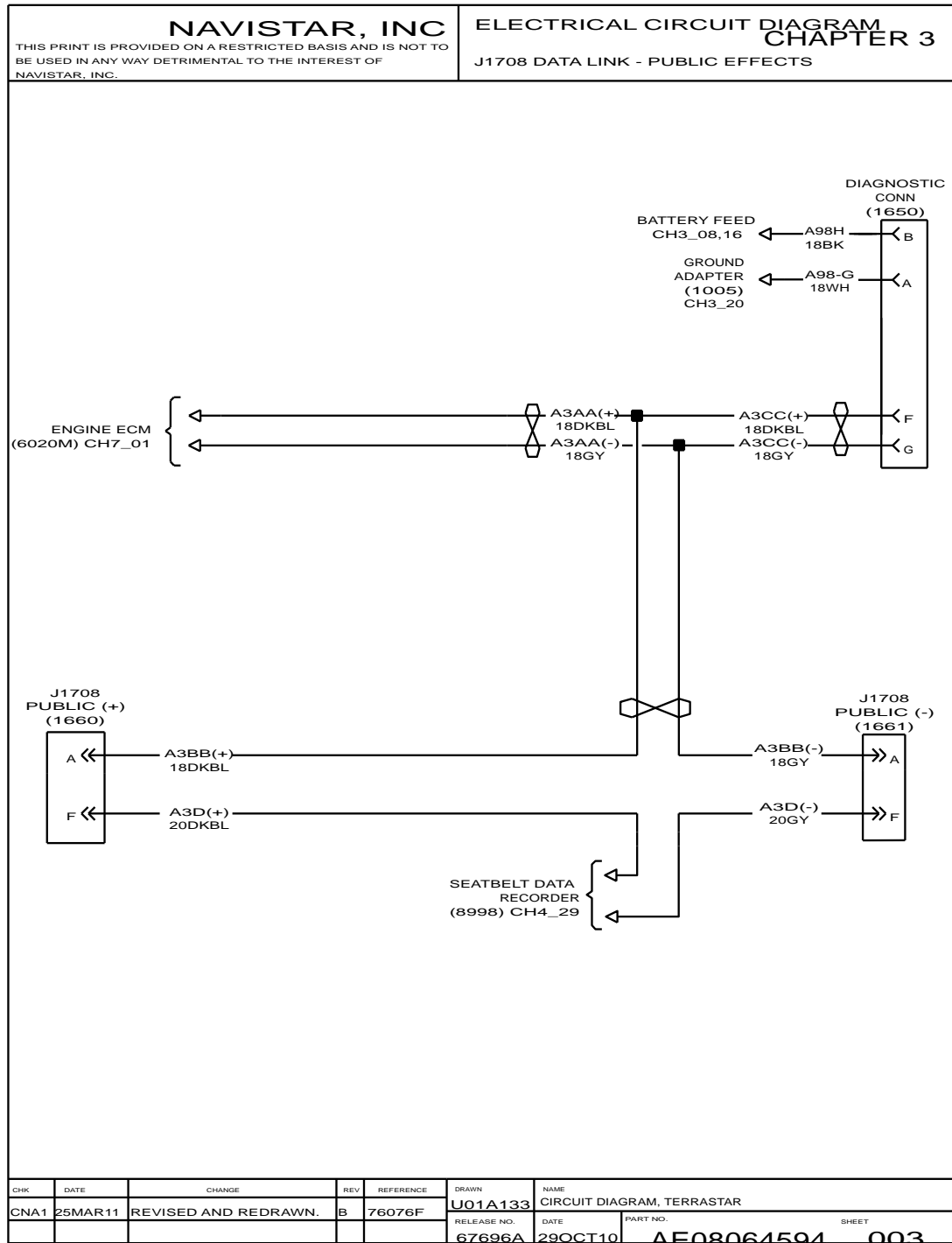


Figure 15 J708 Data Link – Public Effects

3.4. J1708 DATA LINK – PRIVATE WITH POWER WINDOW AND LOCK, P. 4

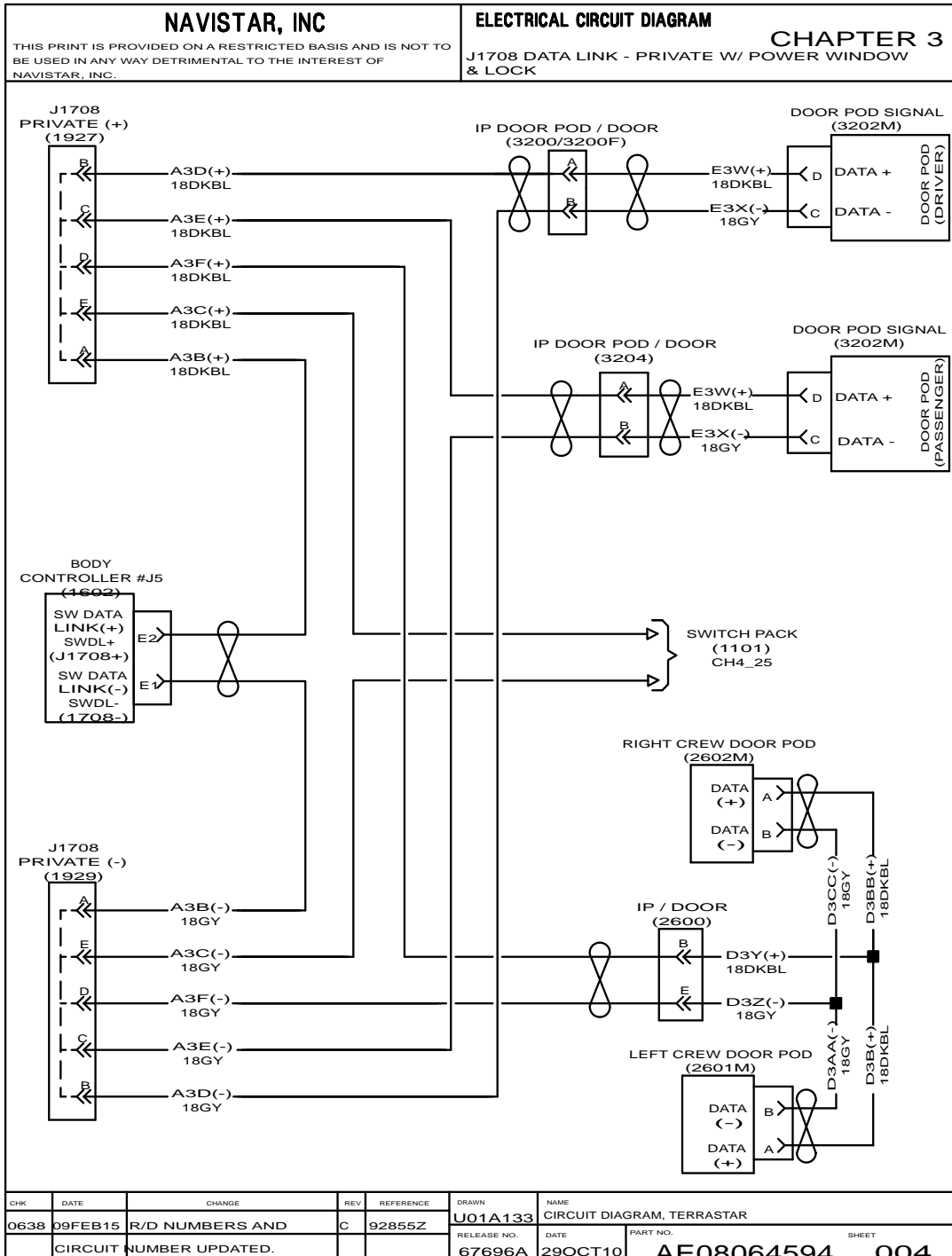


Figure 16 J1708 Data Link – Private with Power Window and Lock



3.5. J1939 DATA LINK, P. 5

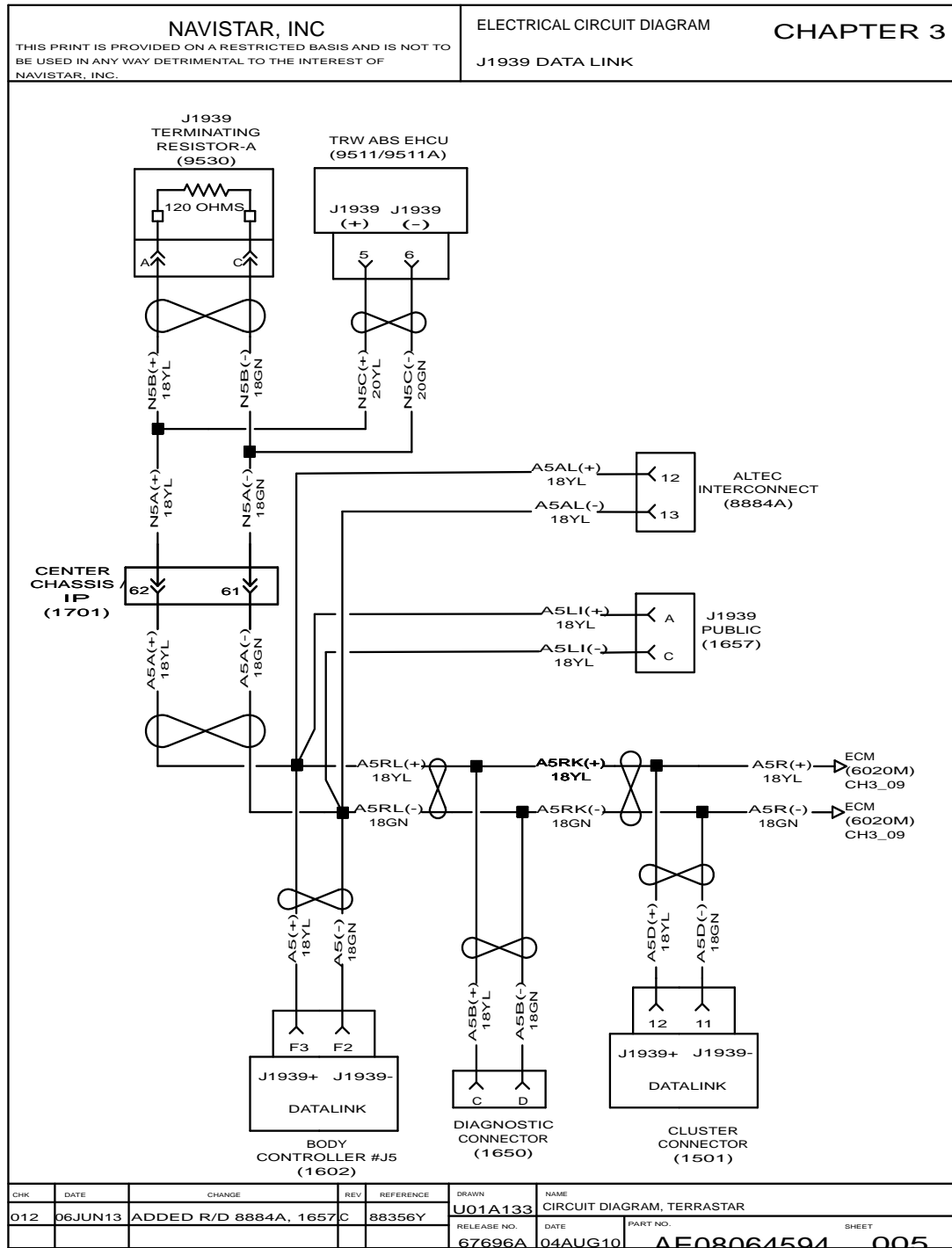


Figure 17 J1939 Data Link

3.6. GROUND – IP, P. 6

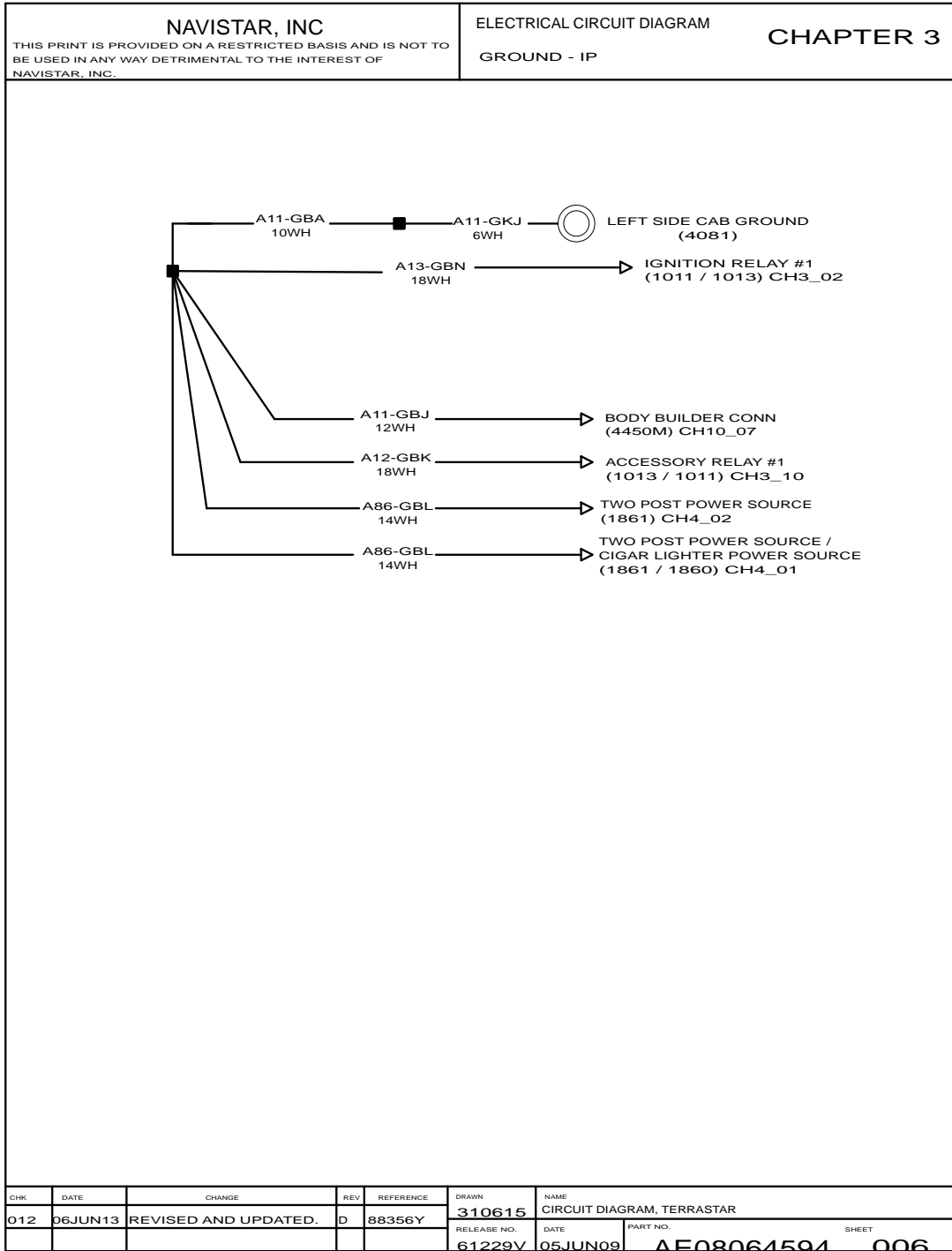


Figure 18 Ground – IP

3.7. ZERO VOLT REFERENCE, P. 7

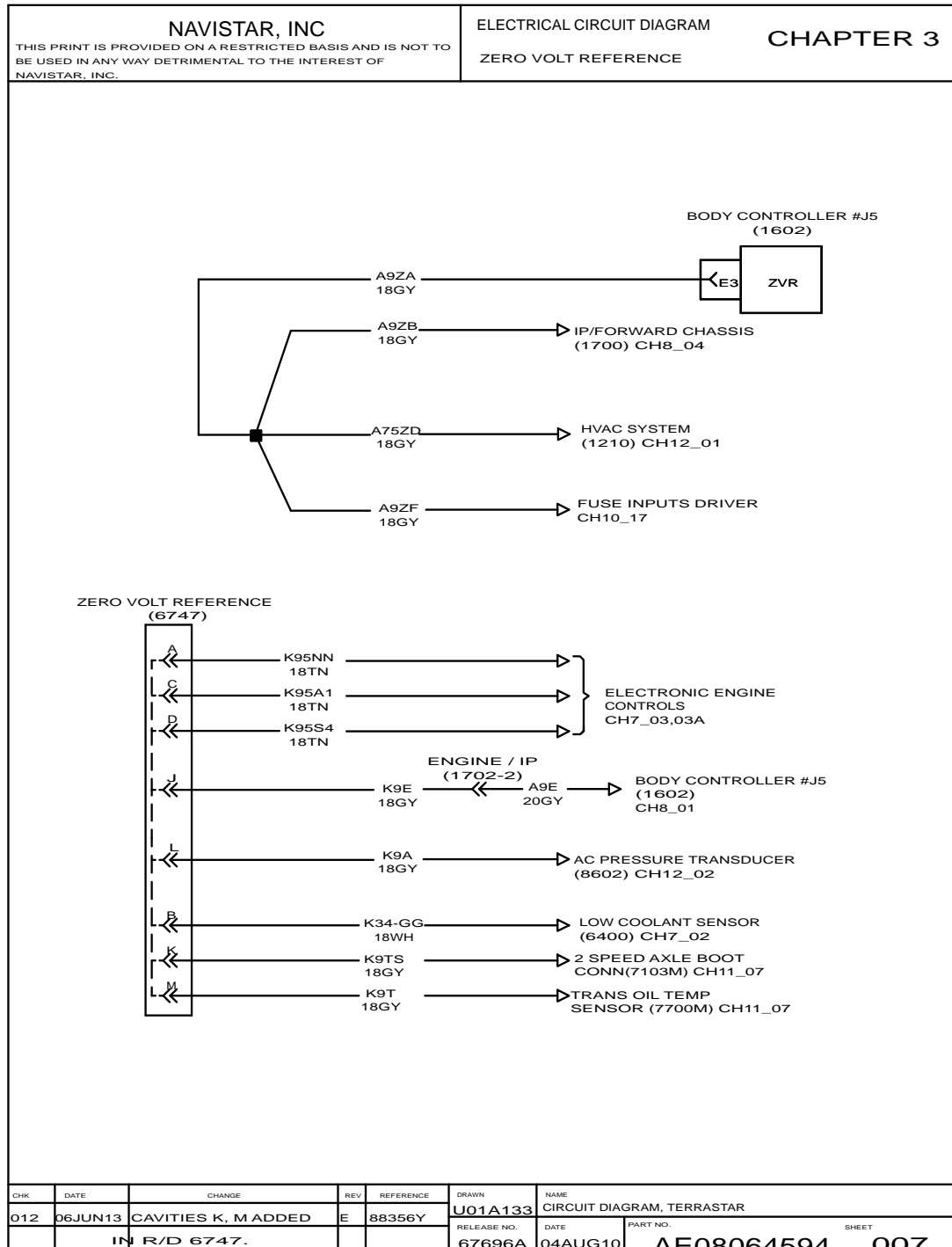


Figure 19 Zero Volt Reference

3.8. BATTERY FEED, SINGLE, P. 8

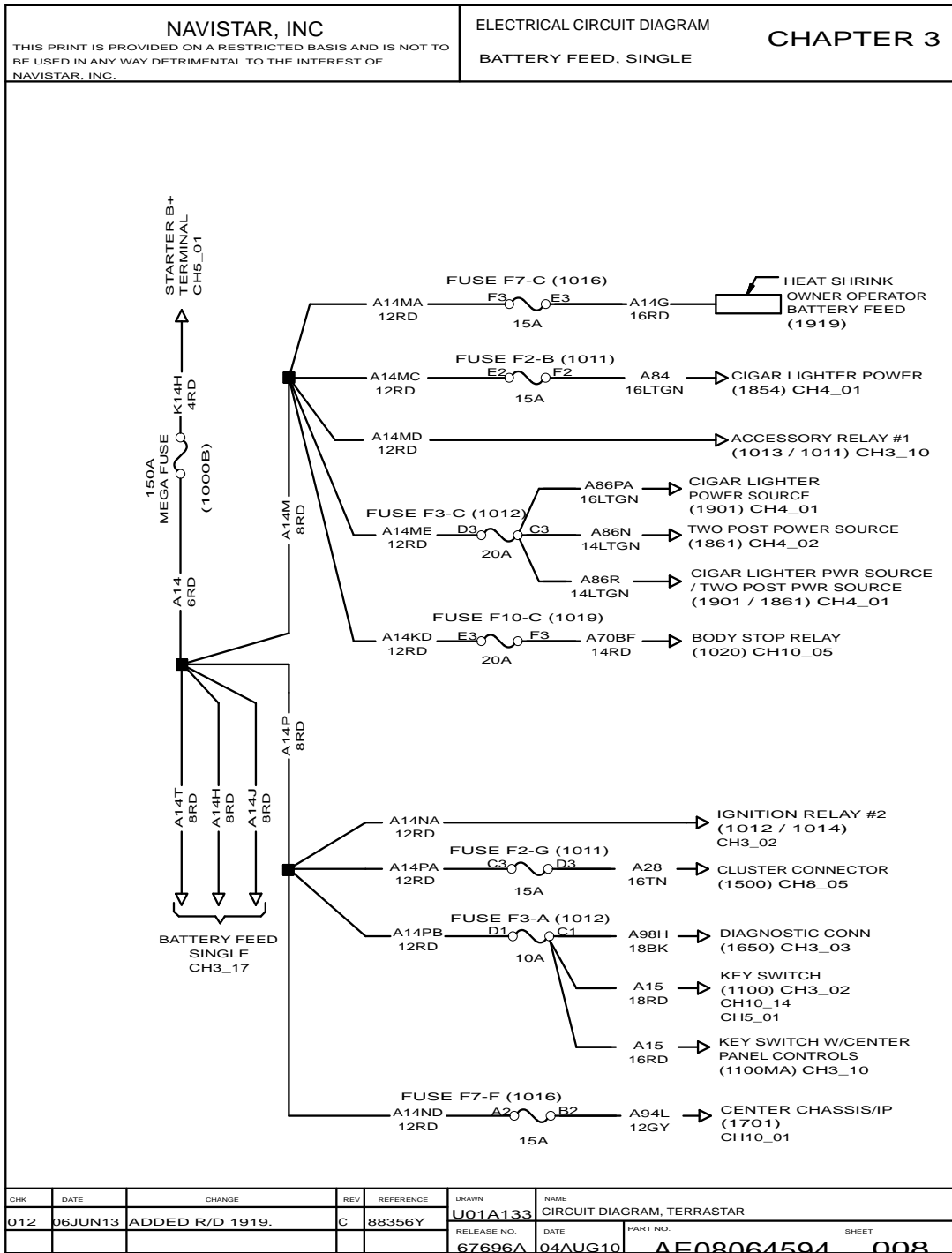


Figure 20 Battery Feed, Single

3.9. J1939 DATA LINK – V8 ENGINE, P. 9

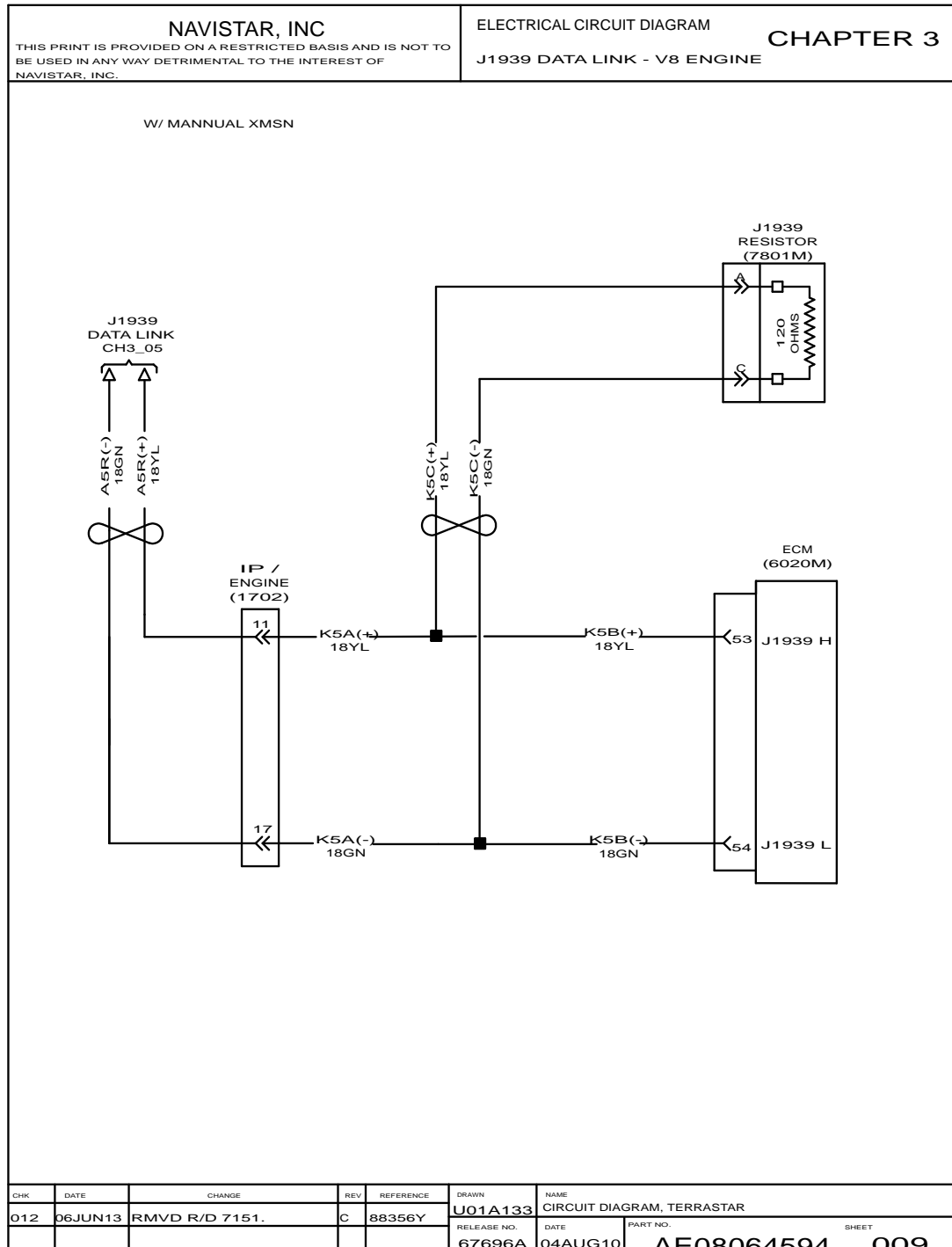


Figure 21 J1939 Data Link – V8 Engine

3.10. J1939 DATA LINK – V8 ENGINE WITH ALLISON WTEC, P. 9A

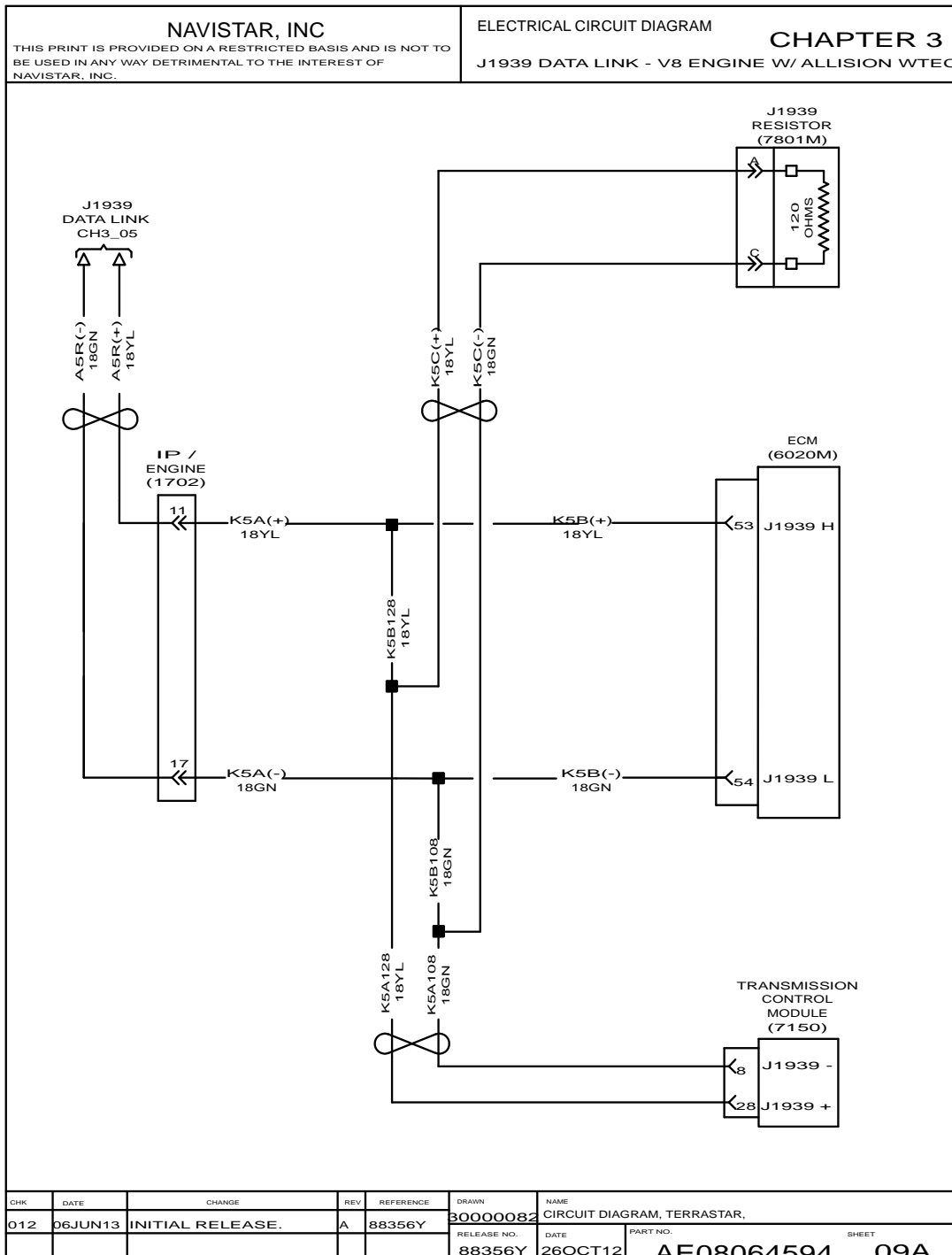


Figure 22 J1939 Data Link – V8 Engine with Allison WTEC

3.11. J1939 DATA LINK – V8 ENGINE WITH ALLISON LCT WITH IN-CAB TCM, P. 9B

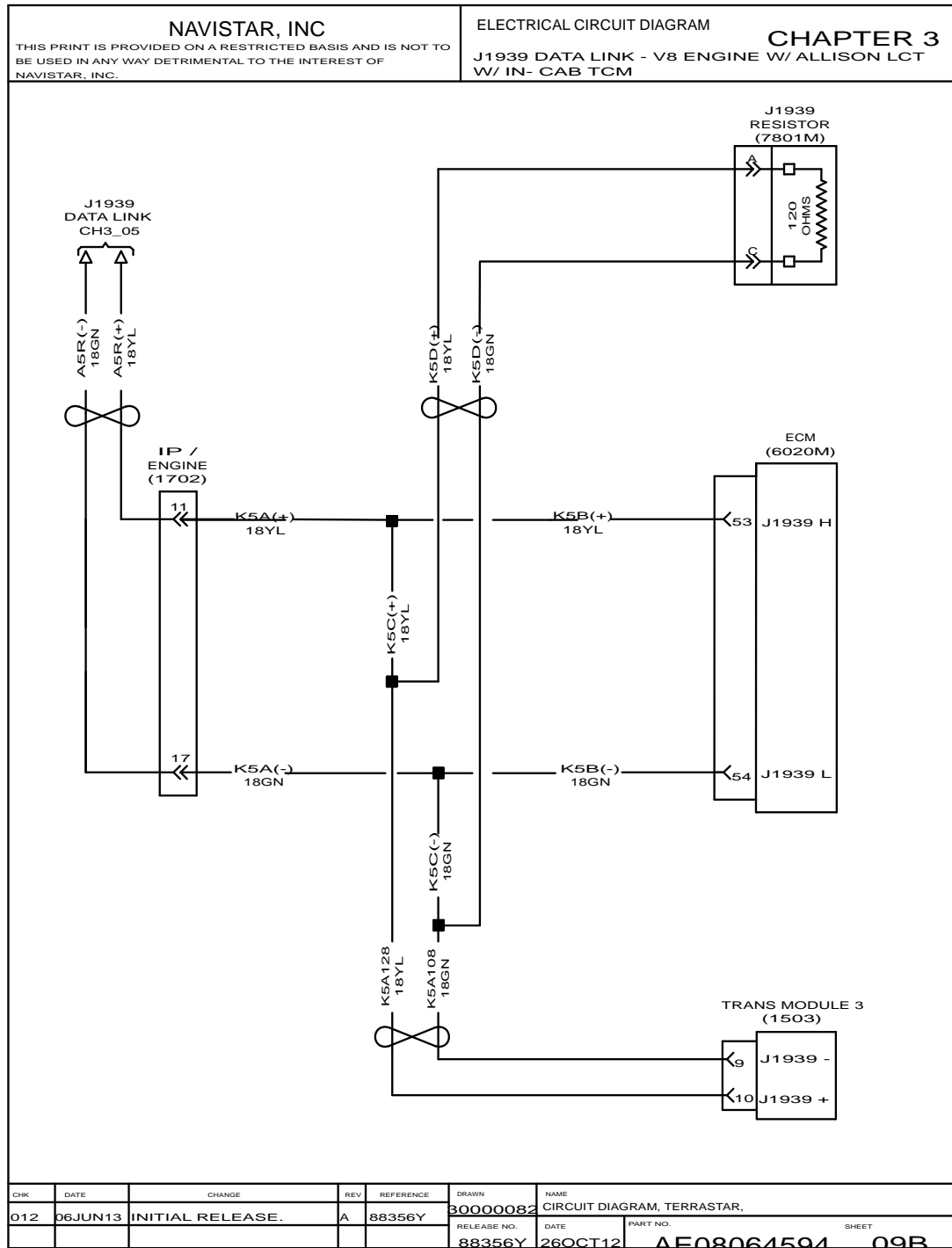


Figure 23 J1939 Data Link – V8 Engine with Allison LCT with In-Cab TCM

3.12. ACCESSORY FEED, P. 10

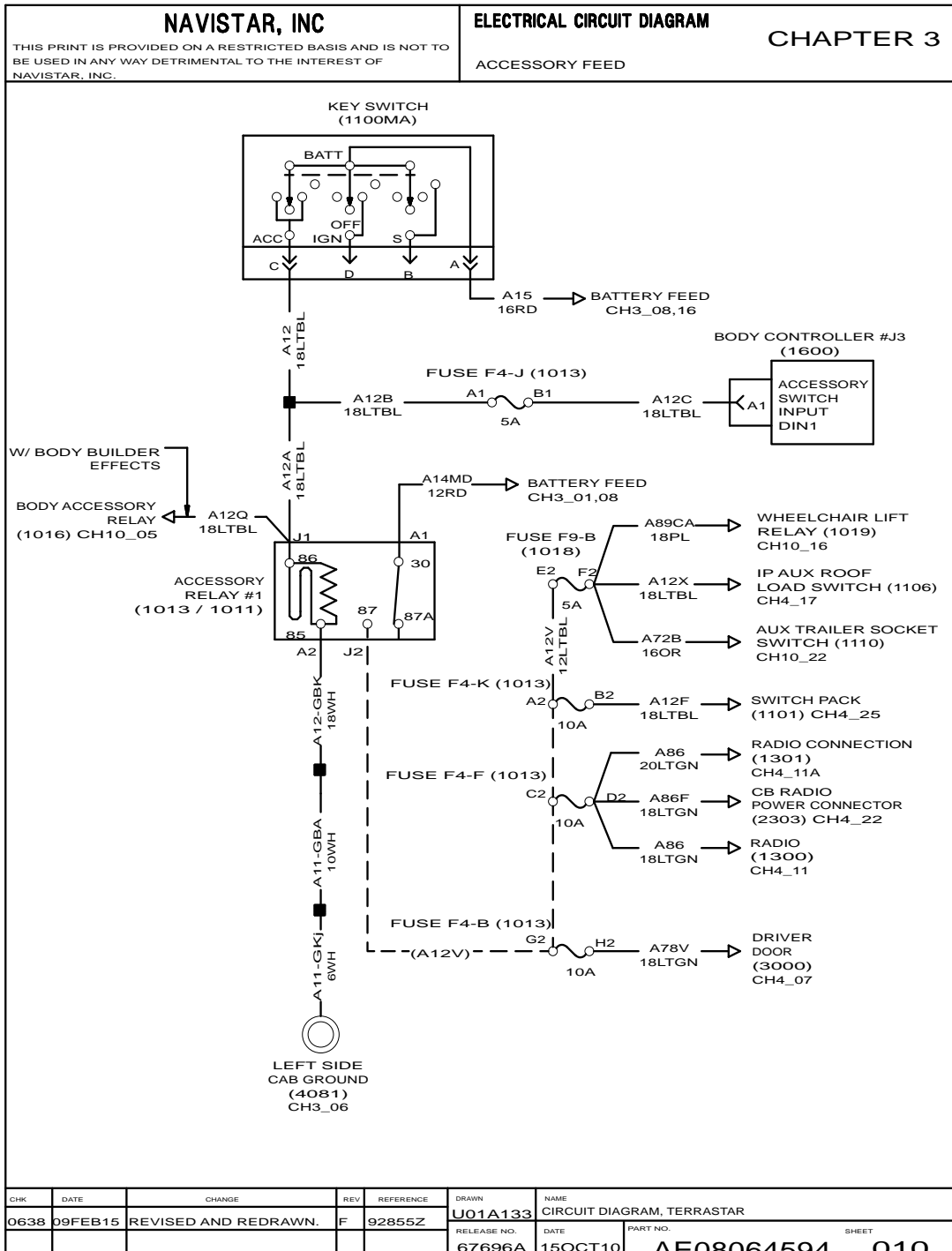


Figure 24 Accessory Feed



3.13. J1939 DATA LINK – WITH OPTIONS, P. 11

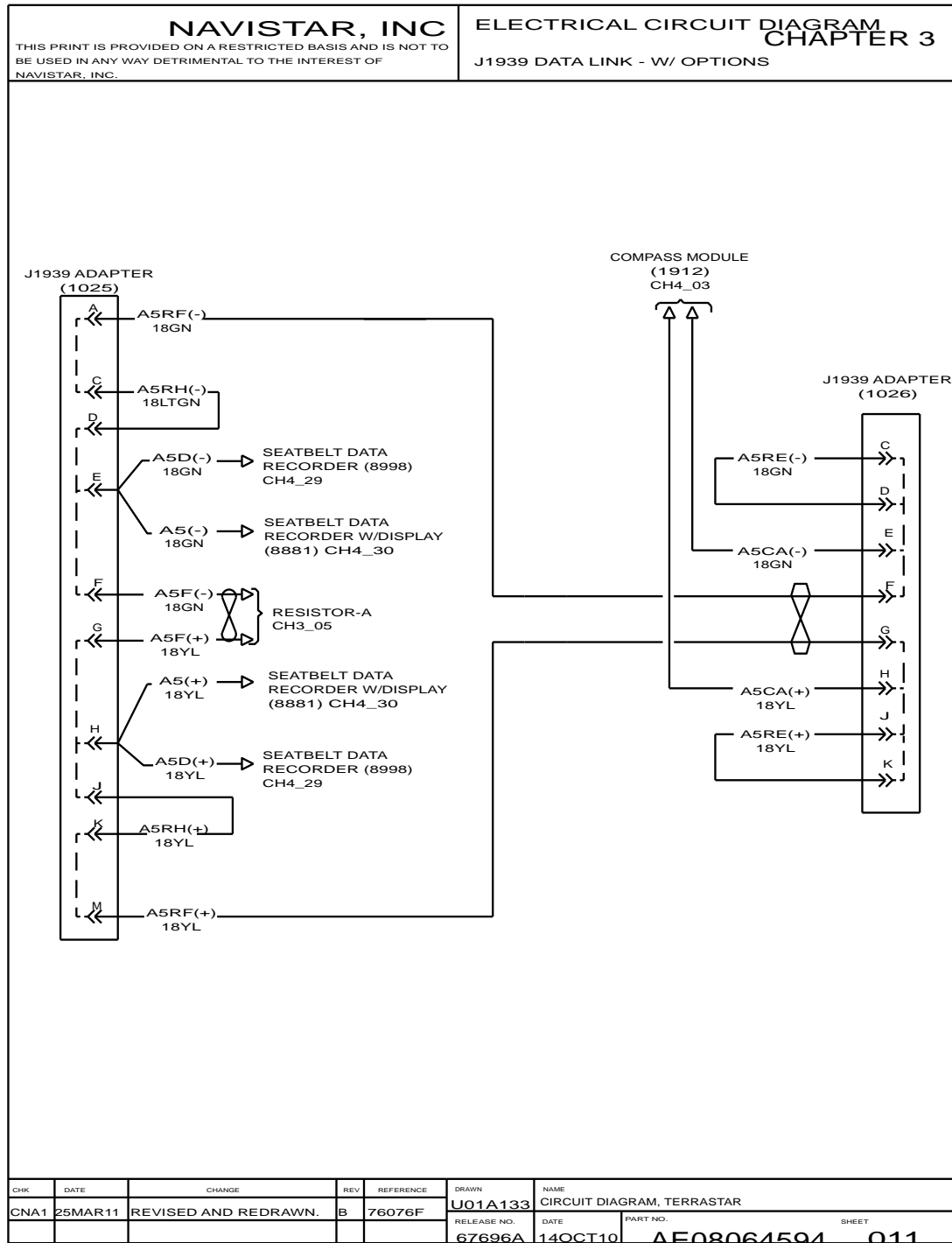


Figure 25 J1939 Data Link – with Options

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
CNA1	25MAR11	REVISED AND REDRAWN.	B	76076F	U01A133	CIRCUIT DIAGRAM, TERRASTAR
					RELEASE NO.	DATE
					67696A	14OCT10
					PART NO.	SHEET
					AE08064594	011

3.14. IGNITION FEED – RELAY 1, P. 12

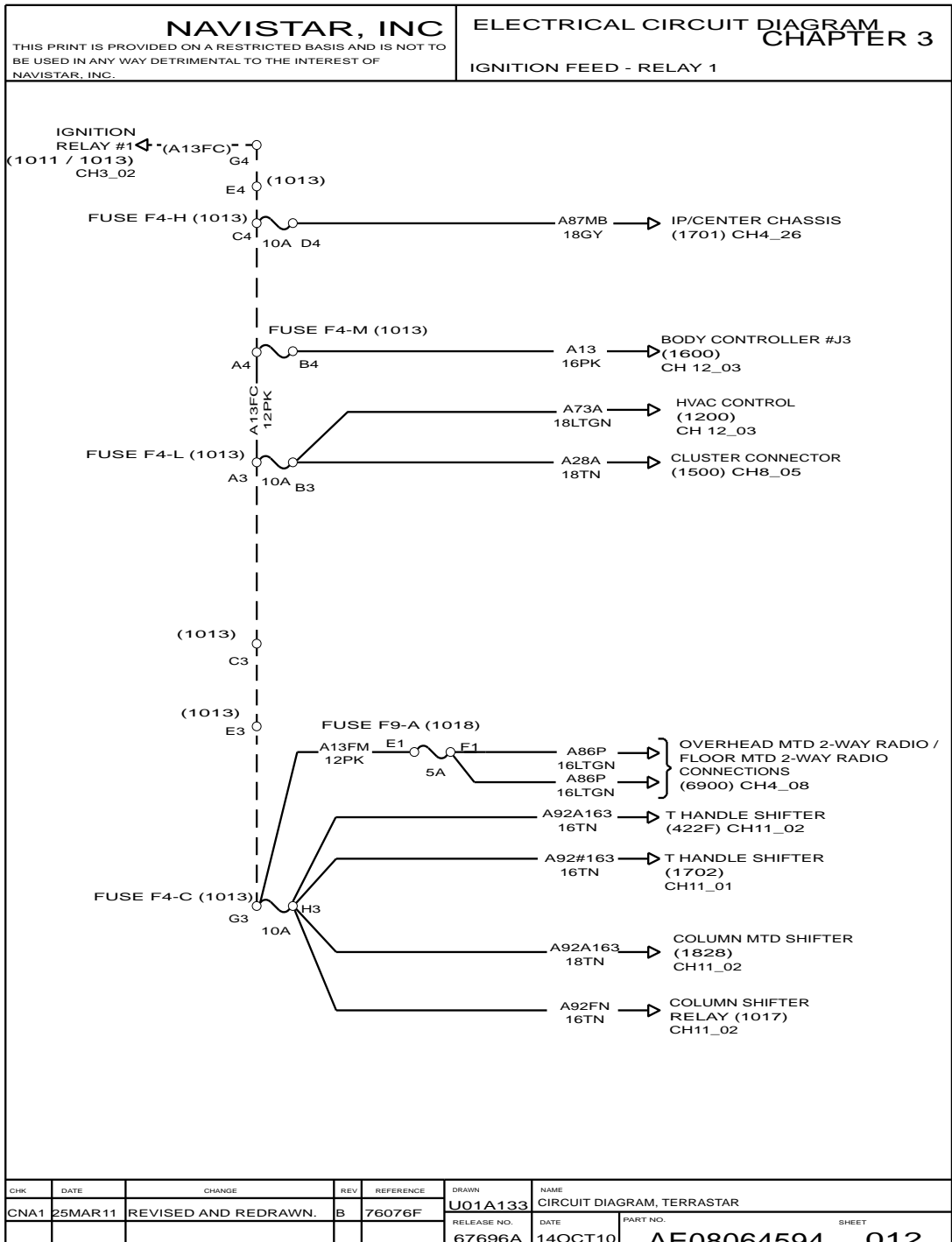


Figure 26 Ignition Feed – Relay 1

3.15. INTENTIONALLY LEFT BLANK, P. 13

<b>NAVISTAR, INC</b>				ELECTRICAL CIRCUIT DIAGRAM <b>CHAPTER 3</b>			
THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF NAVISTAR, INC.				IGNITION FEED - RELAY 2			
INTENTIONALLY LEFT BLANK							
CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME	
CNA1	25MAR11	REMOVED GEOMETRY.	B	76076F	U01A133	CIRCUIT DIAGRAM, TERRASTAR	
					RELEASE NO.	DATE	PART NO.
					67696A	15OCT10	AE08064594 013

Figure 27 Intentionally Left Blank

3.16. IGNITION FEED – RELAY 3, P. 14

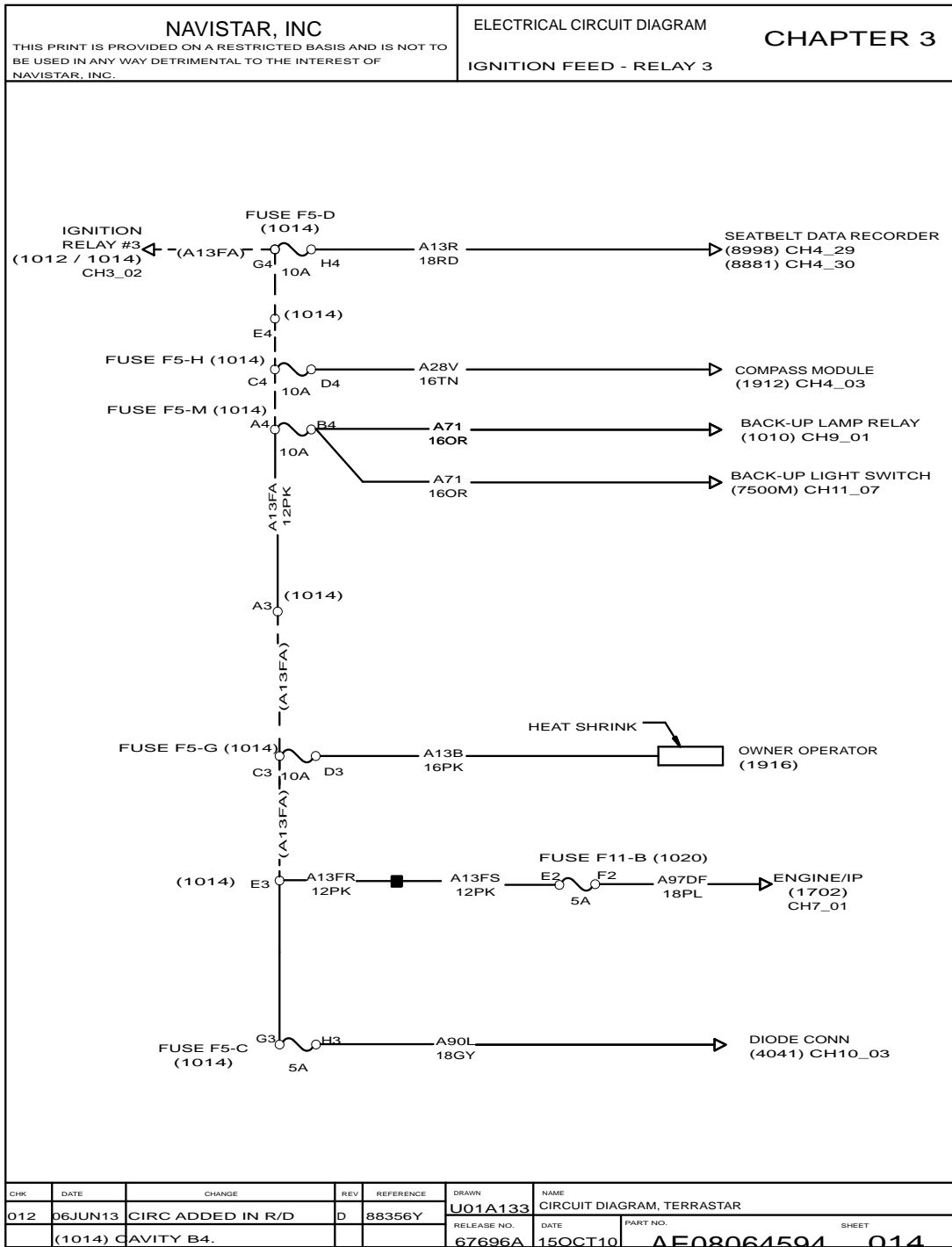


Figure 28 Ignition Feed – Relay 3

3.17. BATTERY FEED, DUAL, P. 15

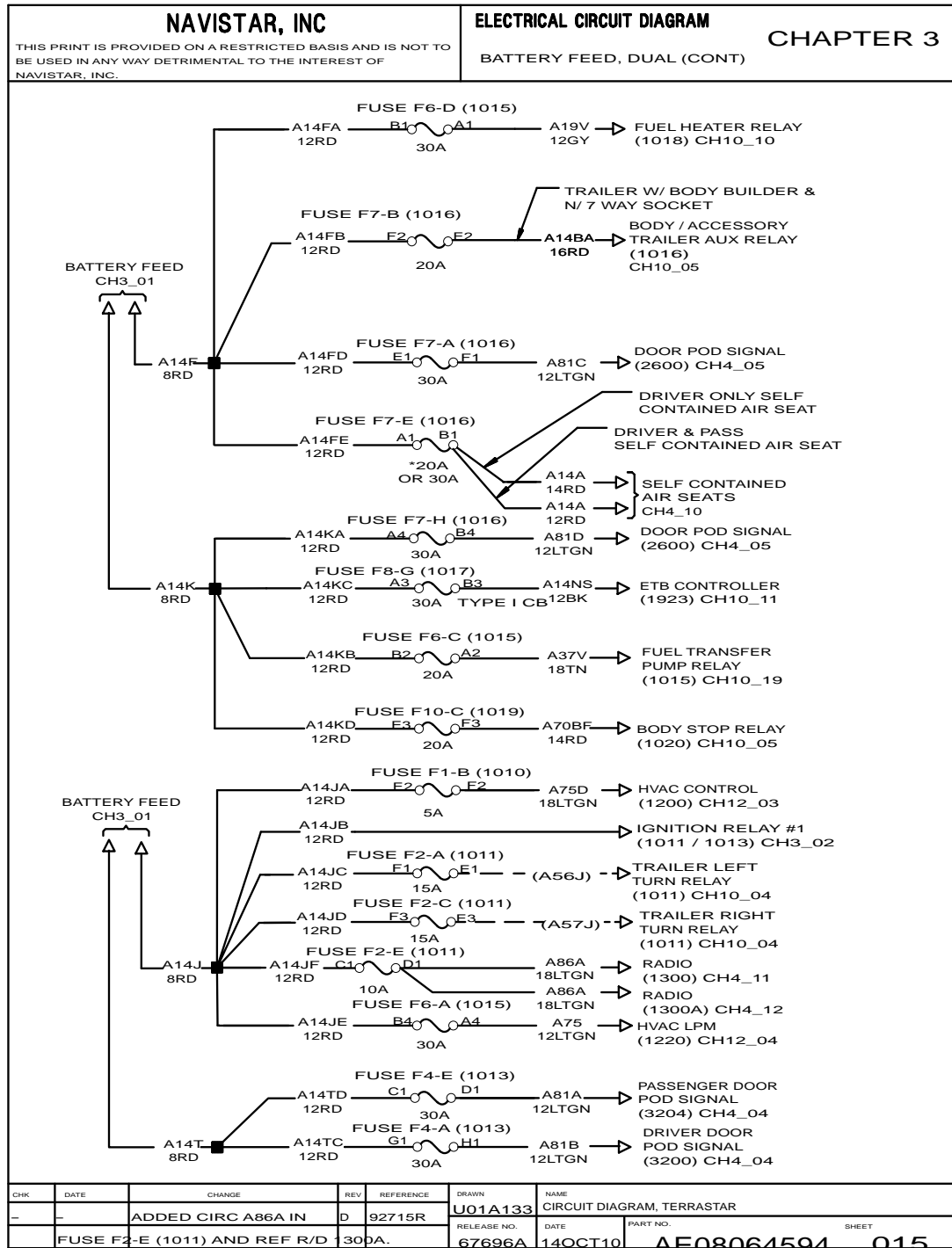


Figure 29 Battery Feed, Dual

3.18. BATTERY FEED, DUAL (CONT.), P. 16

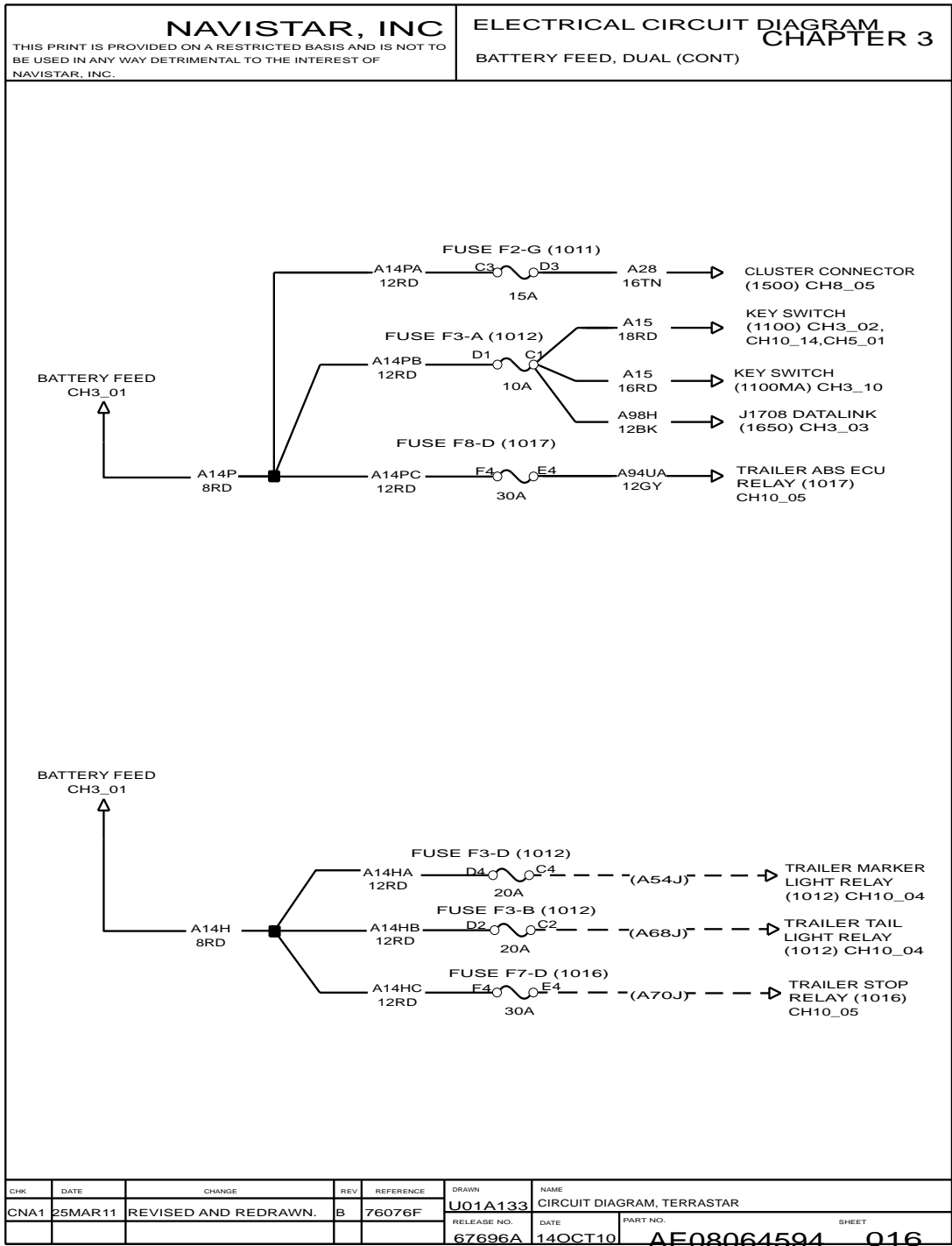


Figure 30 Battery Feed, Dual (Cont.)

3.19. BATTERY FEED, SINGLE, P. 17

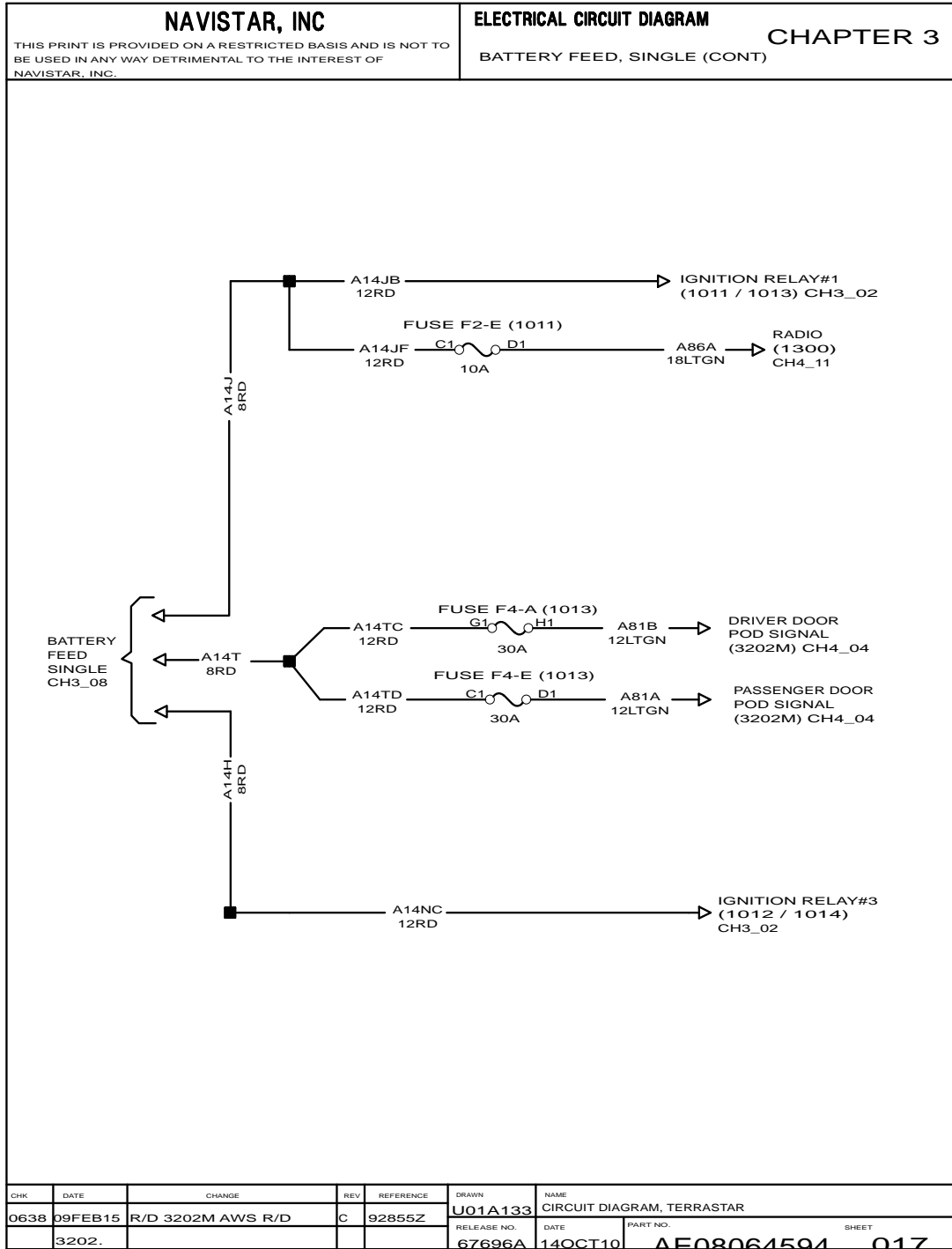


Figure 31 Battery Feed, Single

3.20. INTENTIONALLY LEFT BLANK, P. 18

<b>NAVISTAR, INC</b>				ELECTRICAL CIRCUIT DIAGRAM 3 CHAPTER 3			
THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF NAVISTAR, INC.				LATCHING RELAY			
INTENTIONALLY LEFT BLANK							
CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME	
CNA1	25MAR11	REMOVED GEOMETRY.	B	76076F	U01A133	CIRCUIT DIAGRAM, TERRASTAR	
					RELEASE NO.	DATE	PART NO.
					67696A	01NOV10	AE08064594 018

Figure 32 Intentionally Left Blank



3.21. GROUND – SEAT AND SEAT BELT SENSOR, P. 19

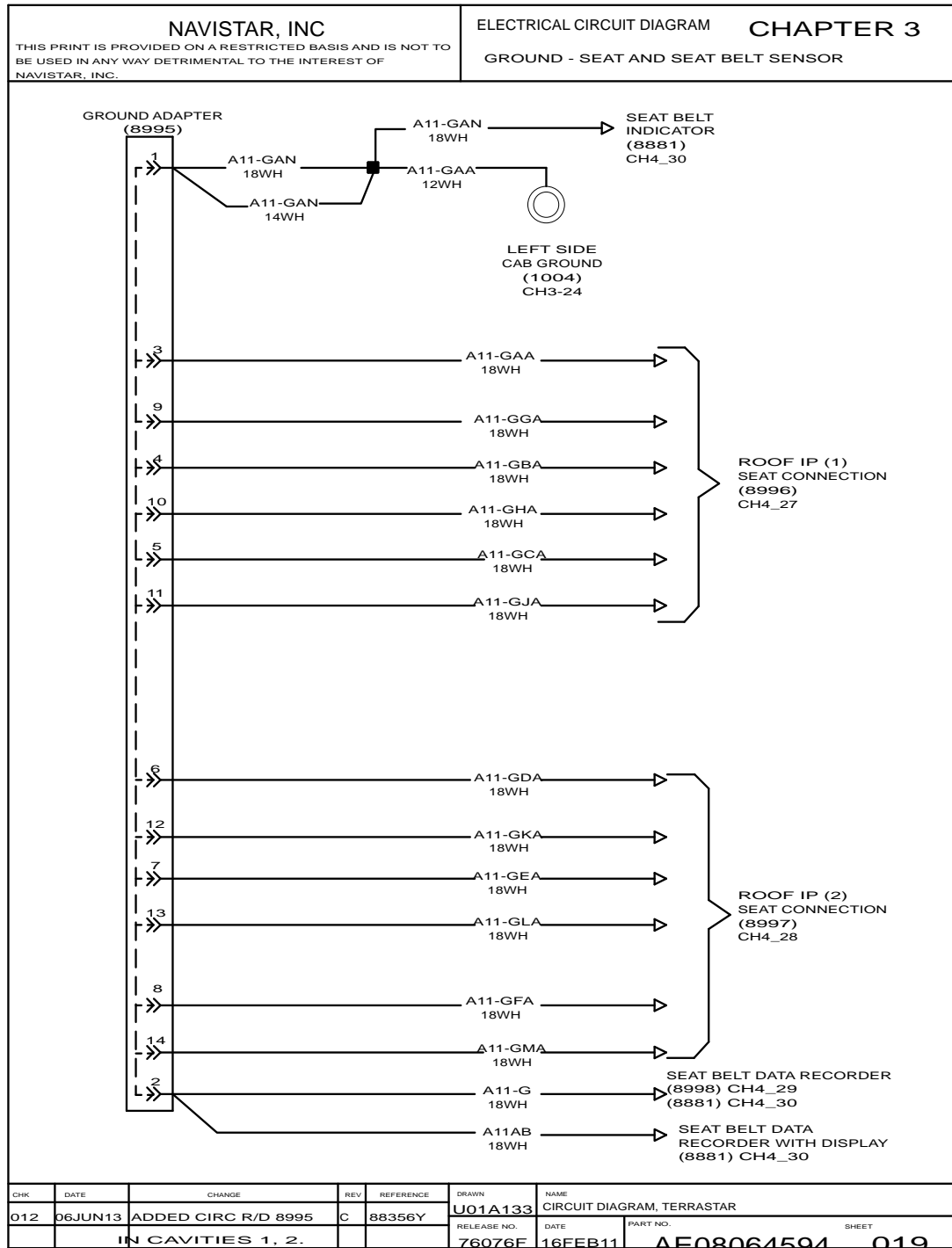


Figure 33 Ground – Seat and Seat Belt Sensor

3.22. GROUND – IP, P. 20

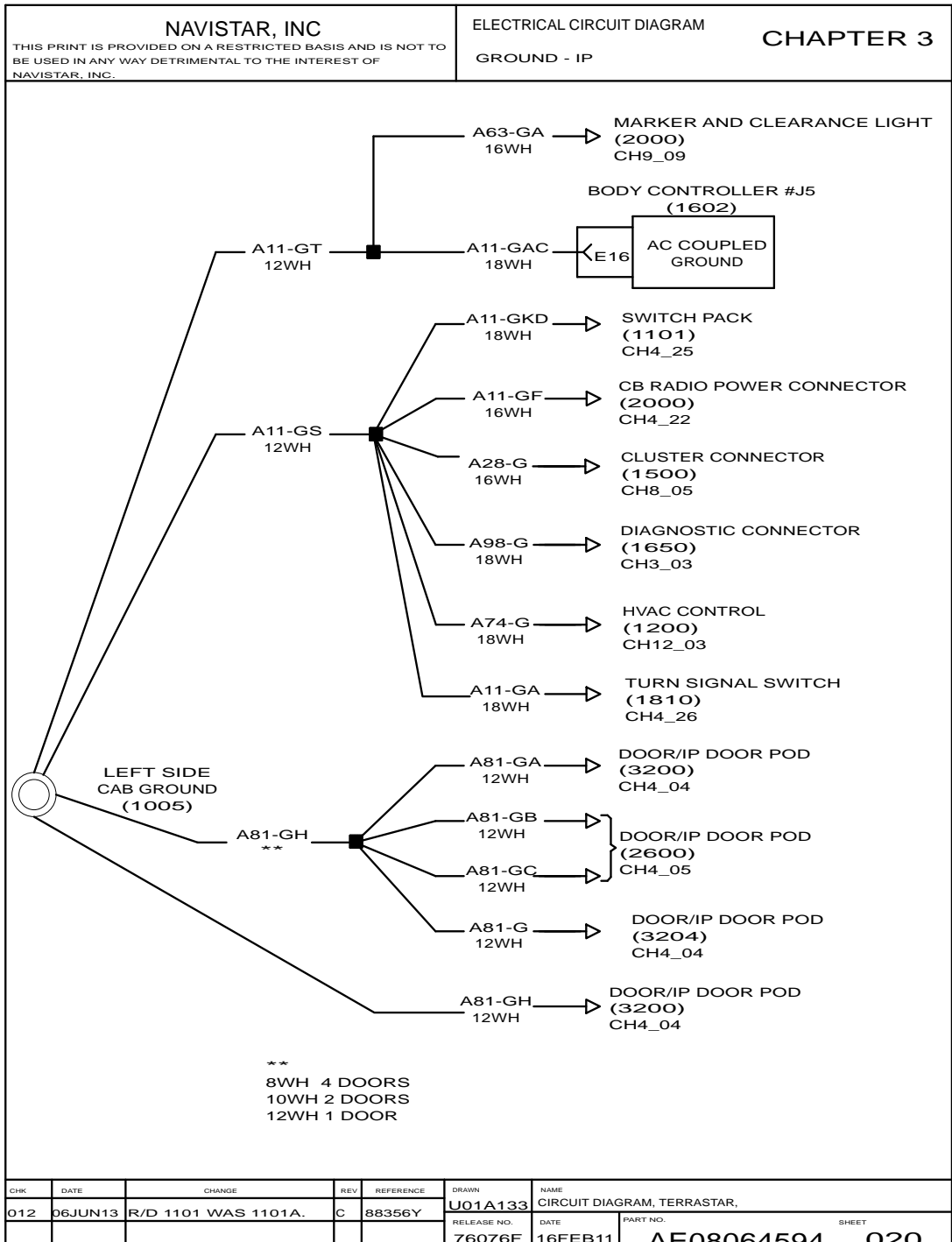


Figure 34 Ground – IP

3.23. GROUND – IP (CONT.), P. 21

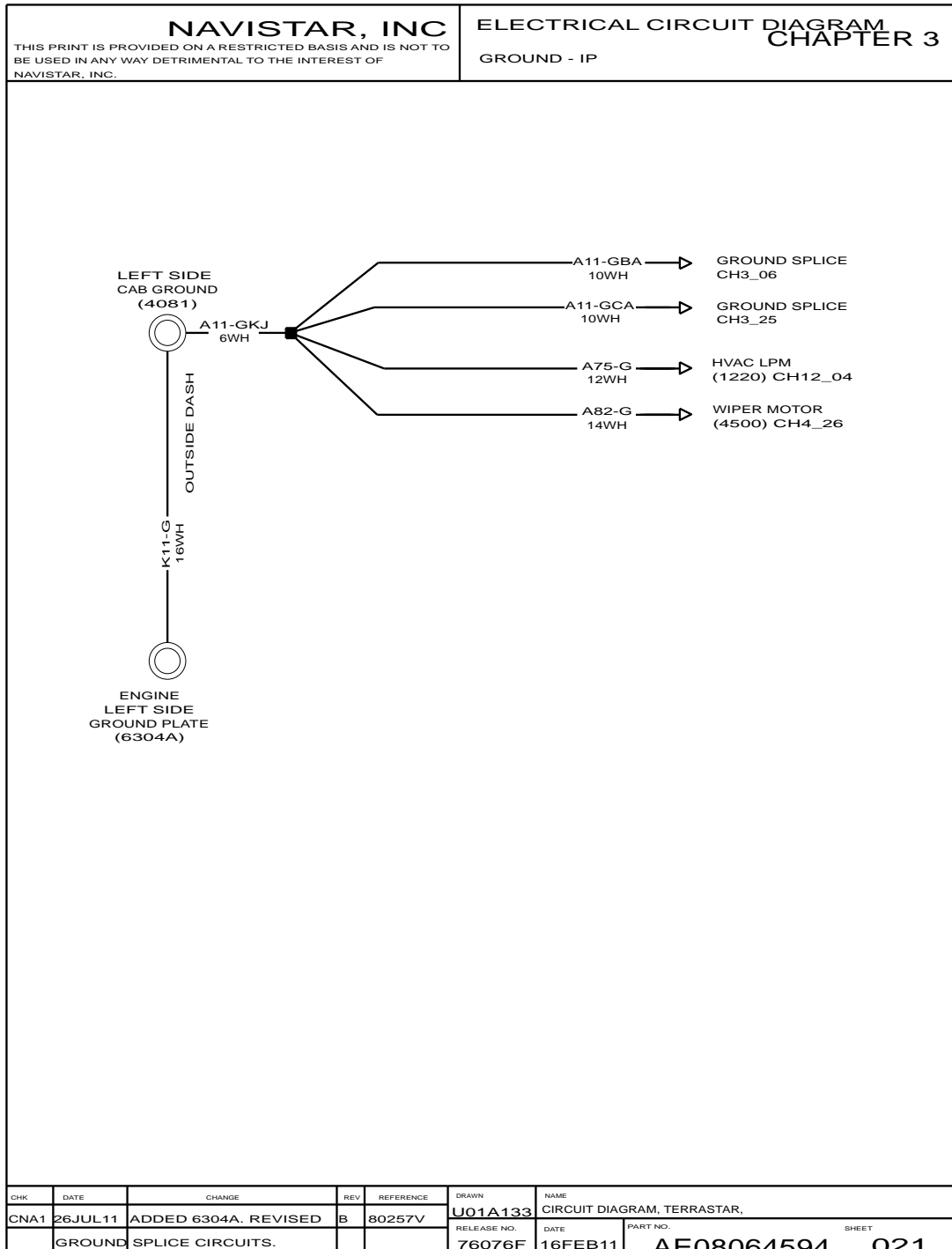


Figure 35 Ground – IP (Cont.)

3.24. GROUND – IP (CONT.), P. 22

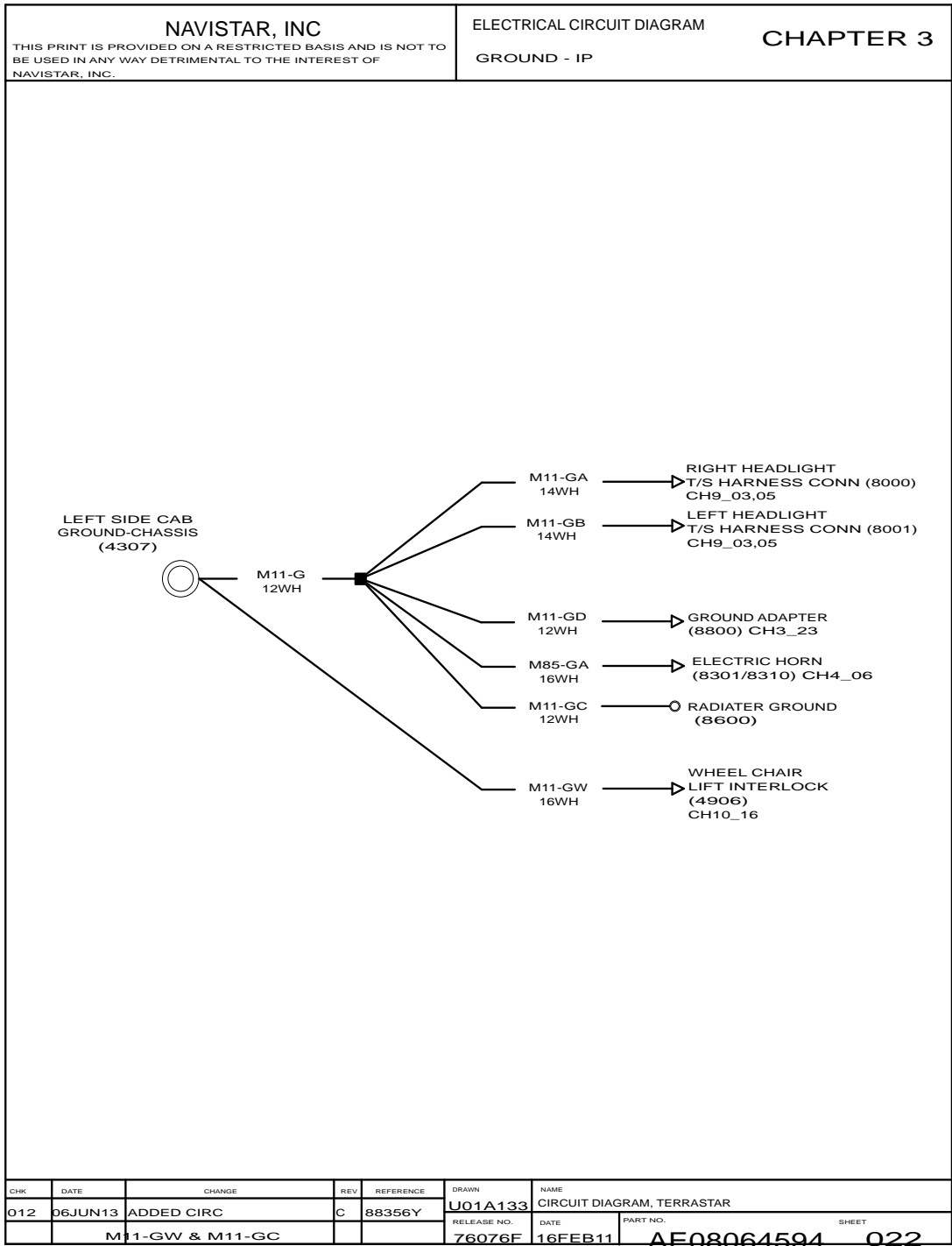


Figure 36 Ground – IP (Cont.)

3.25. GROUND – CHASSIS, P. 23

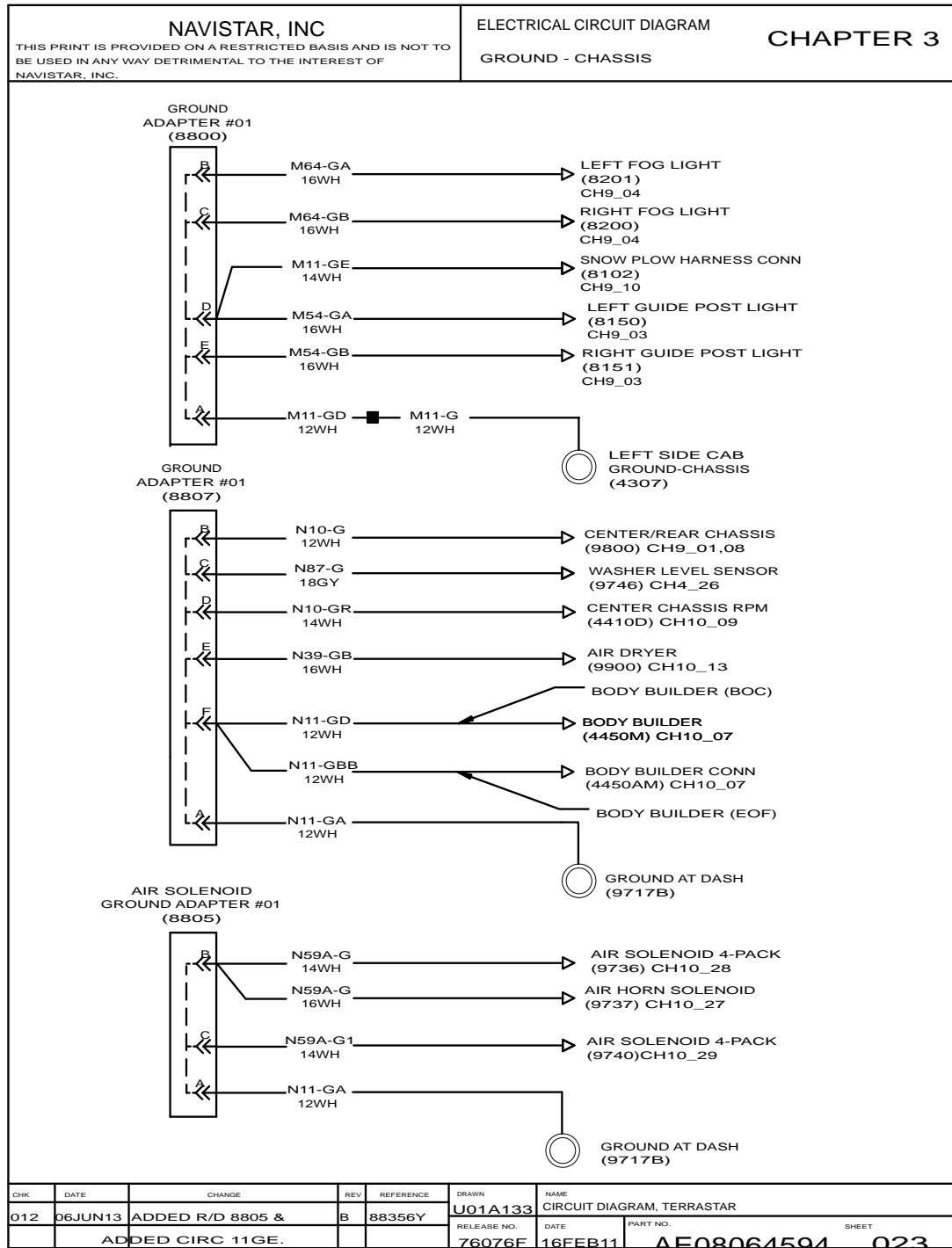


Figure 37 Ground – Chassis

3.26. GROUND – IP, P. 24

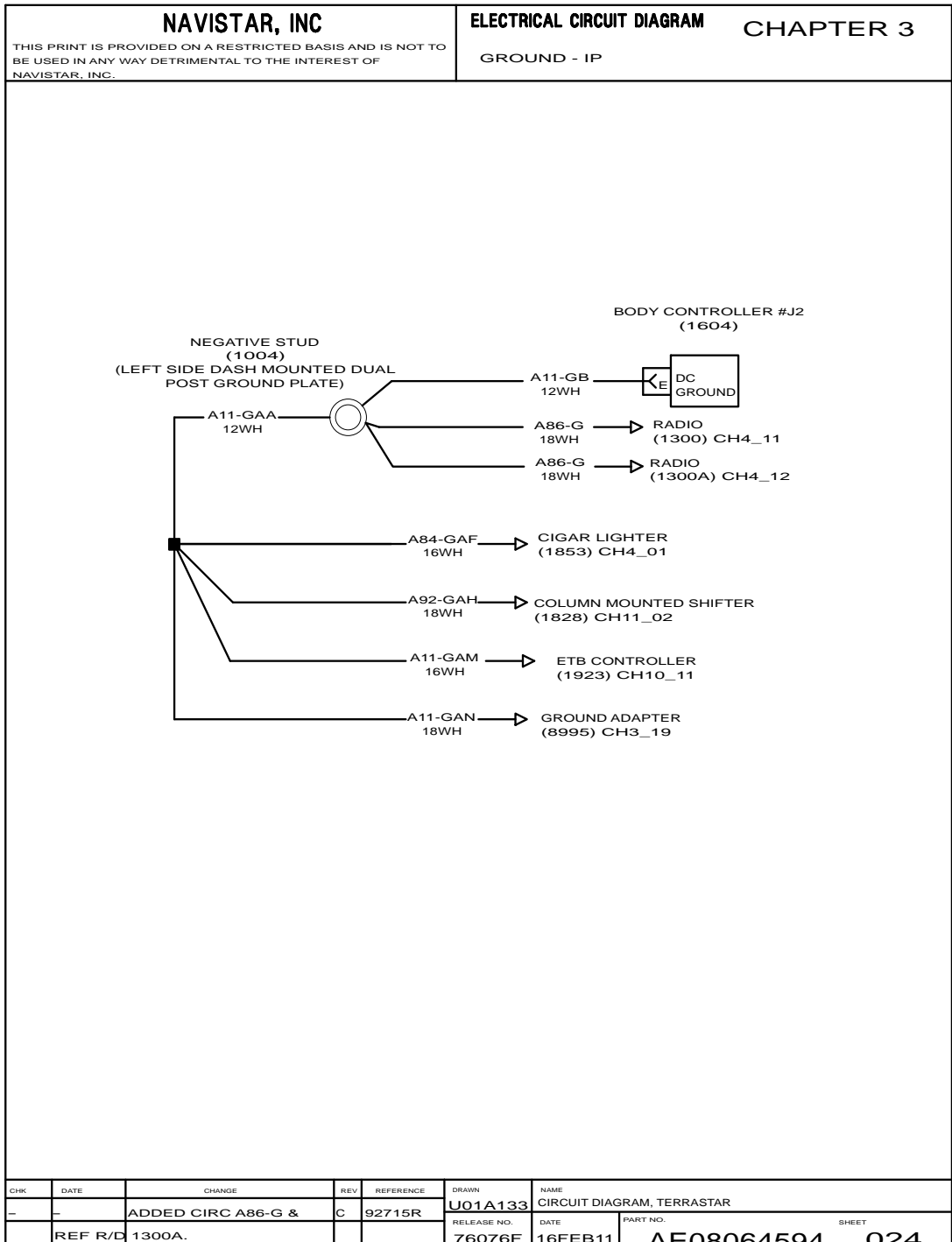


Figure 38 Ground – IP (Cont.)

3.27. GROUND – IP (CONT.), P. 25

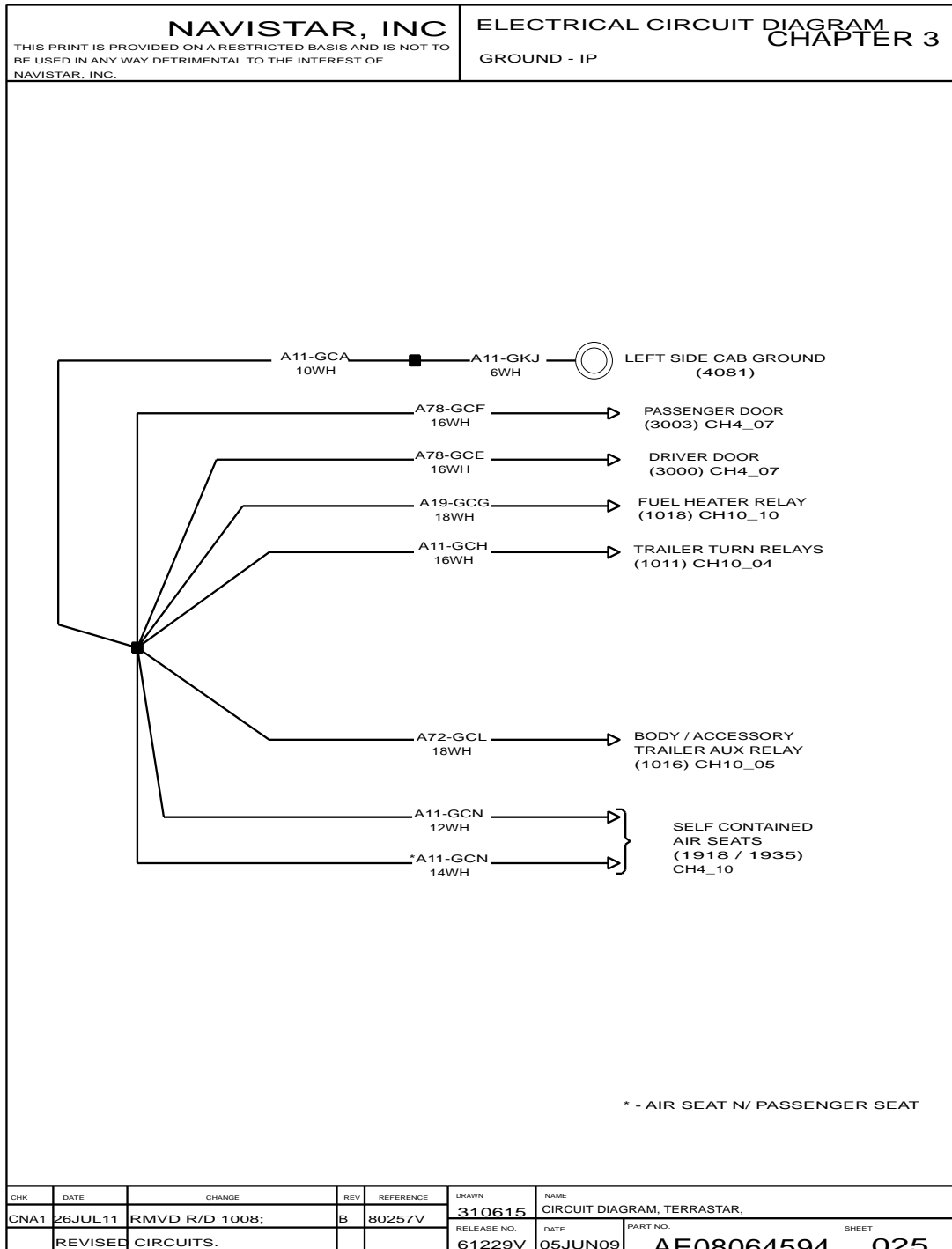


Figure 39 Ground – IP (Cont.)

3.28. GROUND – CHASSIS, P. 26

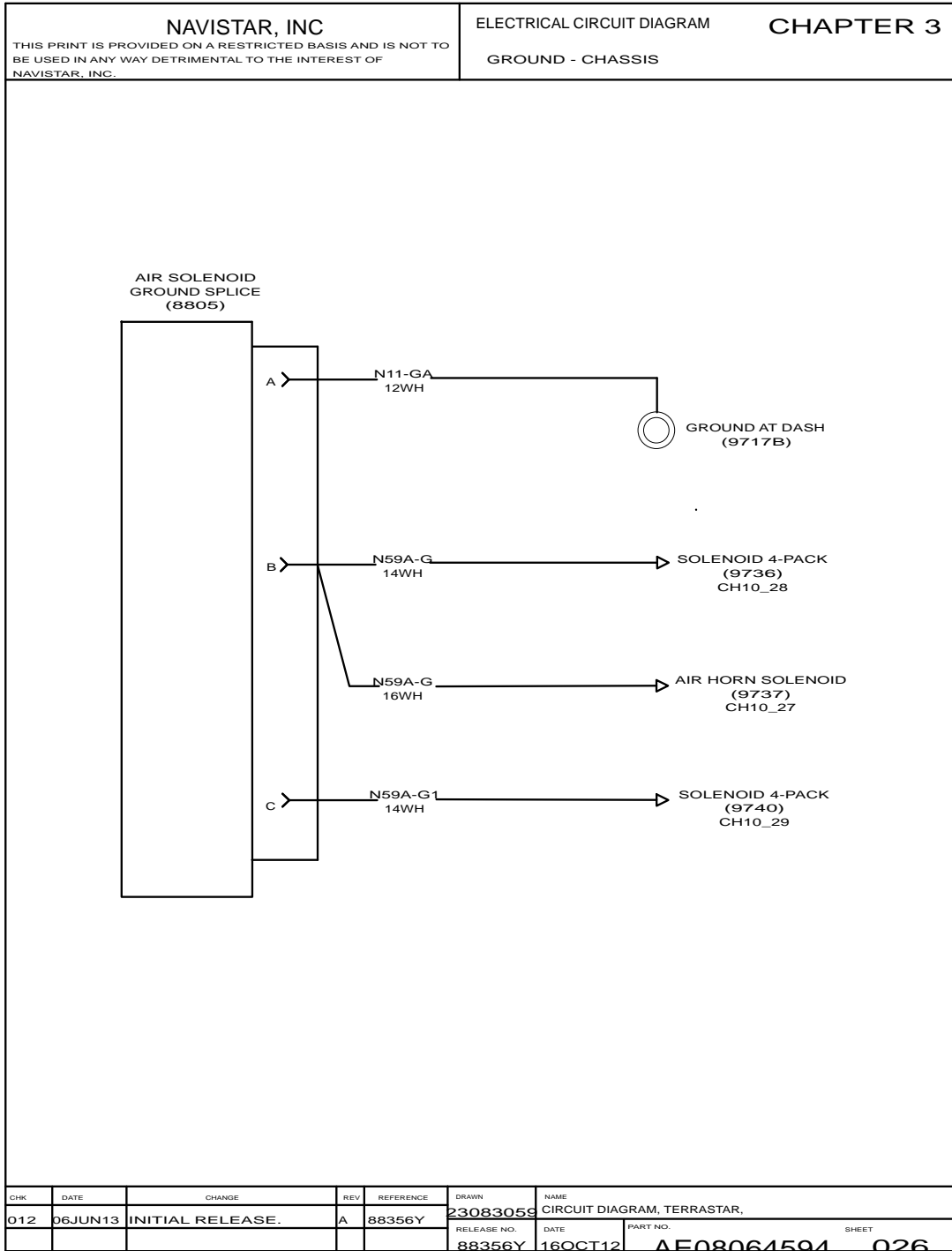


Figure 40 Ground – Chassis



3.29. INTENTIONALLY LEFT BLANK, P. 27

<b>NAVISTAR, INC</b> <small>THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF NAVISTAR, INC.</small>				ELECTRICAL CIRCUIT DIAGRAM <b>CHAPTER 3</b> INTENTIONALLY LEFT BLANK			
INTENTIONALLY LEFT BLANK							
CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME	
0610	07AUG13	INITIAL RELEASE.	A	92246F	MJV0088	CIRCUIT DIAGRAM, TERRASTAR.	
					RELEASE NO.	DATE	
					92246F	29JUL13	
						PART NO.	
						AE08064594	
						SHEET	
						027	

Figure 41 Intentionally Left Blank

3.30. GROUND – TRAILER SOCKET AND FUEL PUMP, P. 28

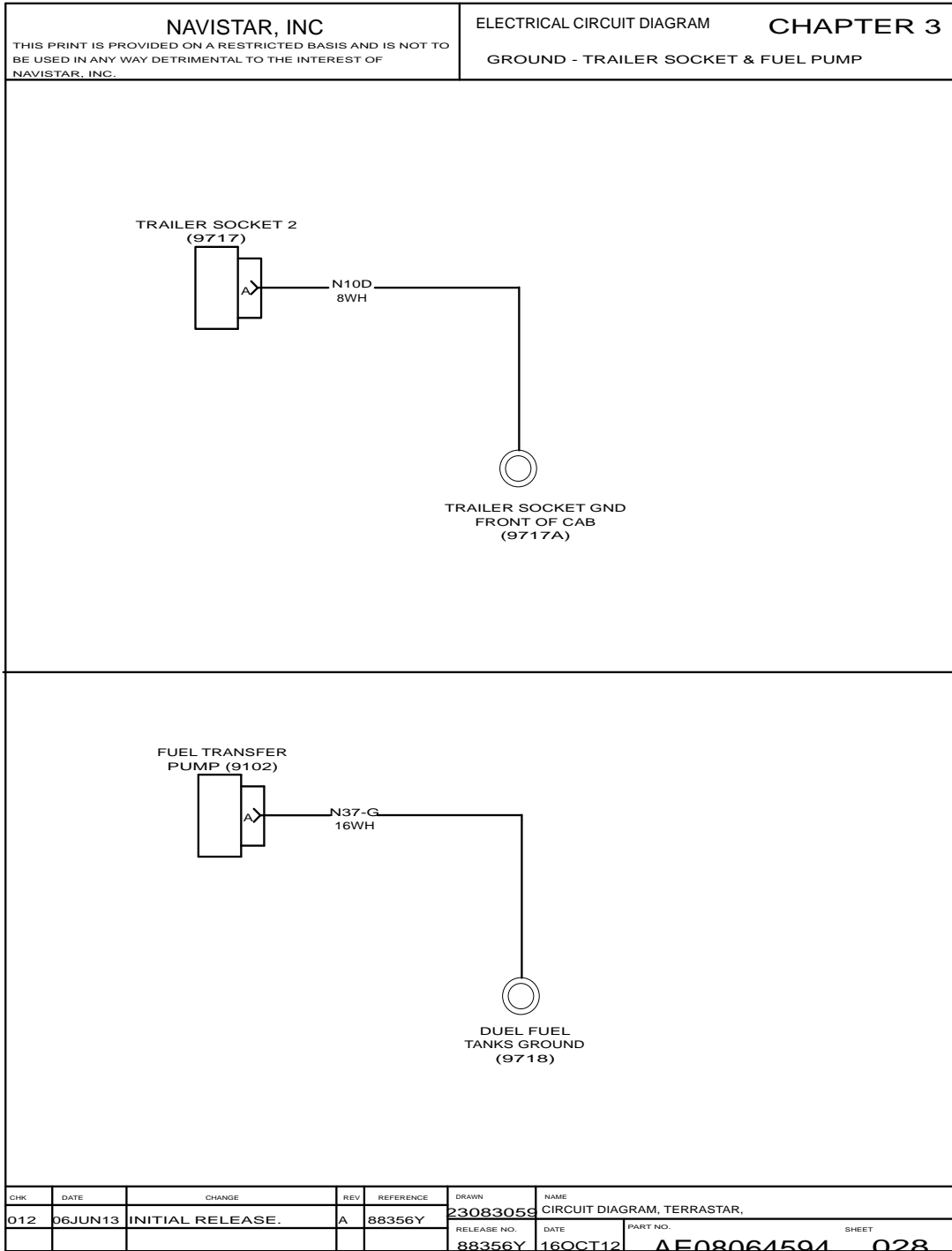
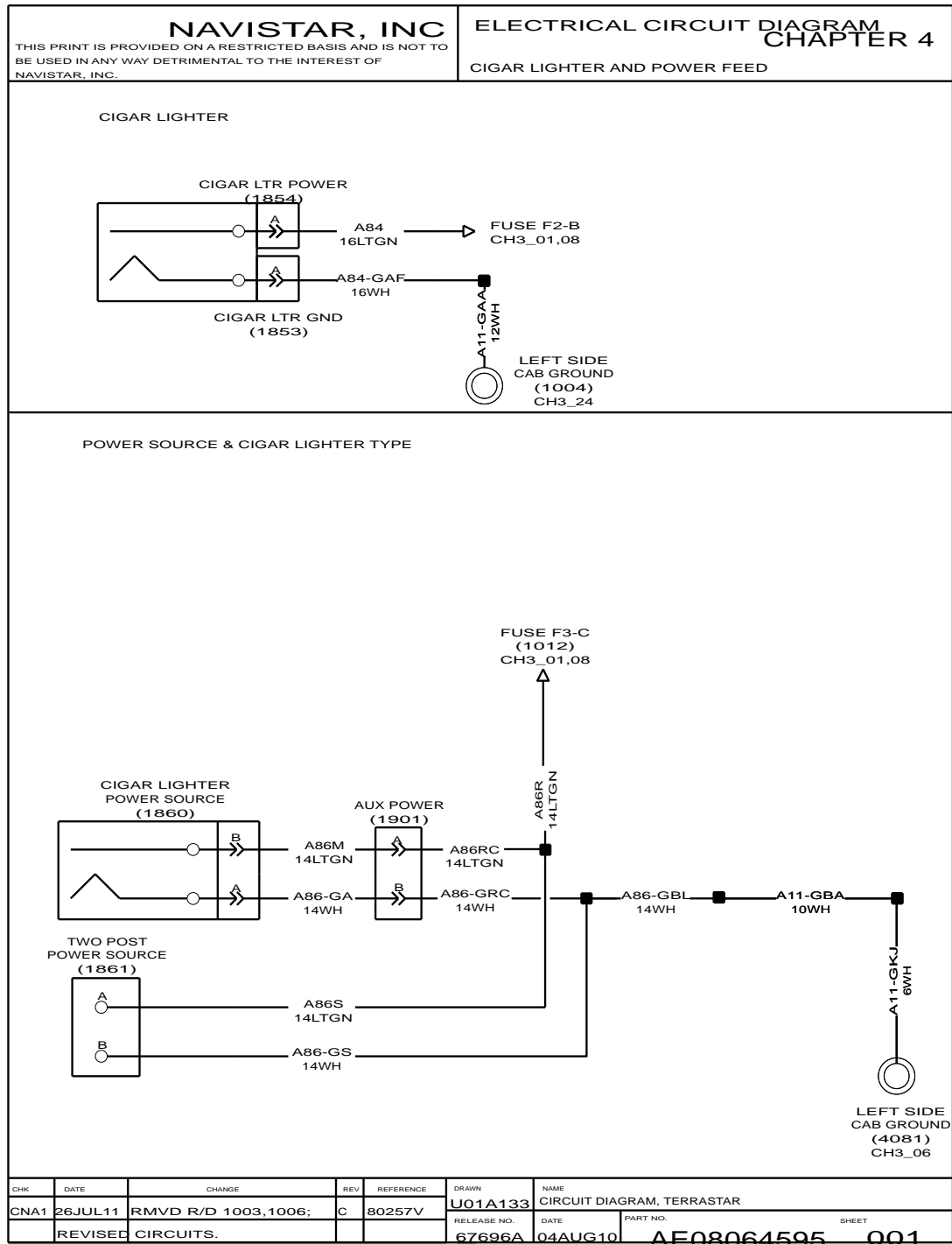


Figure 42 Ground – Trailer Socket and Fuel Pump

## CAB ACCESSORIES (CHAPTER 4)

### 4.1. CIGAR LIGHTER AND POWER FEED, P. 1



**Figure 43 Cigar Lighter and Power Feed**

4.2. CIGAR LIGHTER AND POWER FEED (CONT.), P. 2

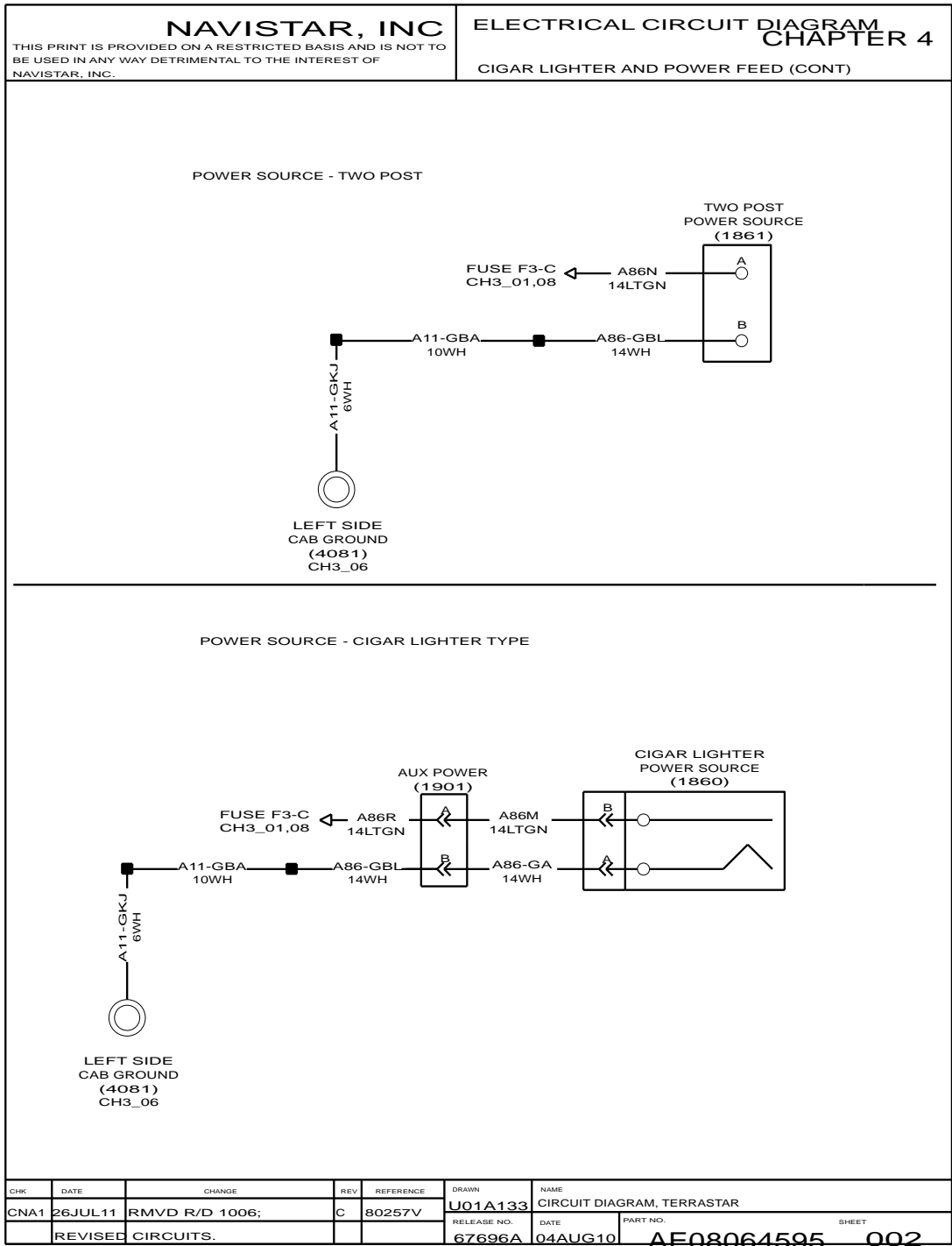


Figure 44 Cigar Lighter and Power Feed (Cont.)

4.3. COMPASS DISPLAY, P. 3

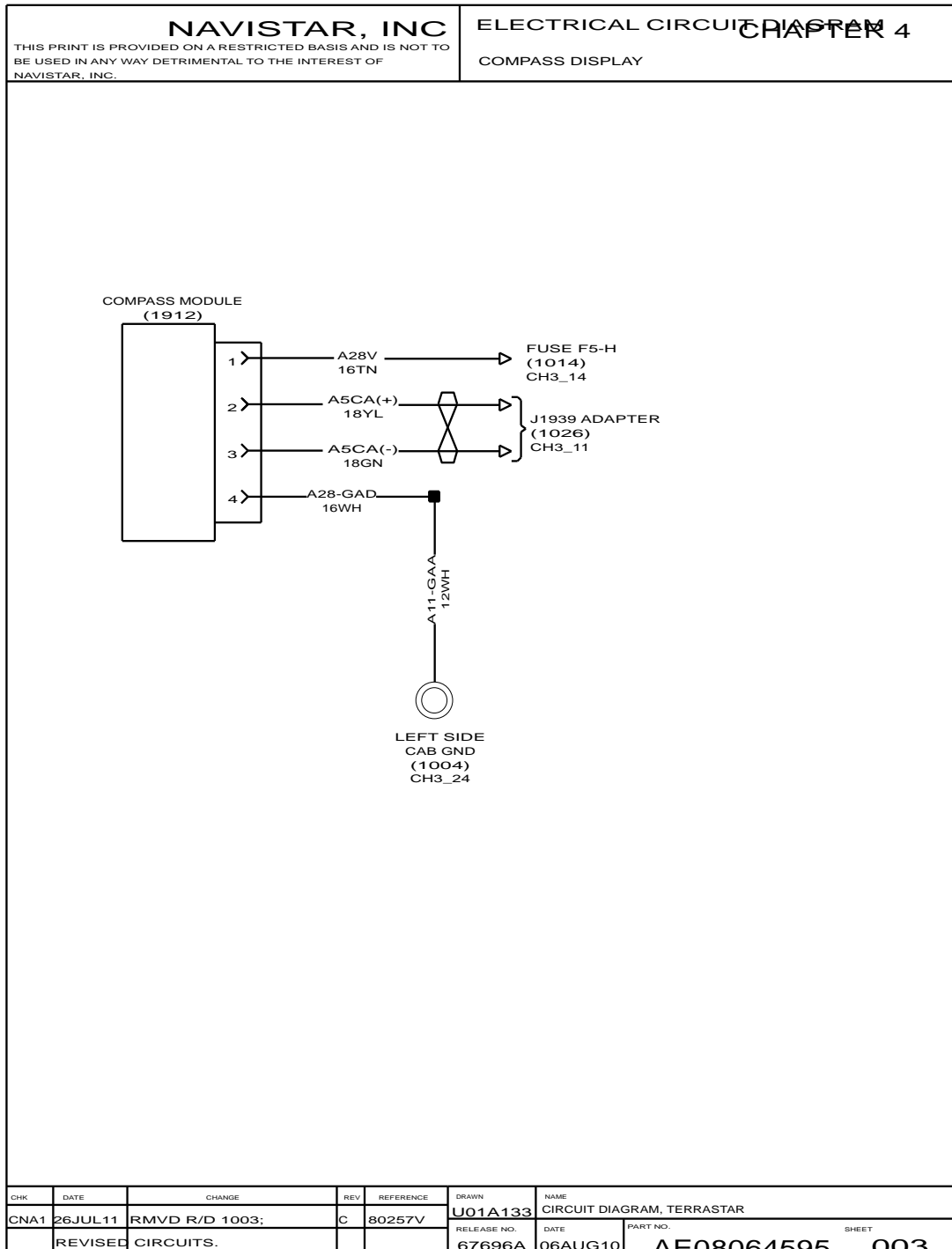


Figure 45 Compass Display



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

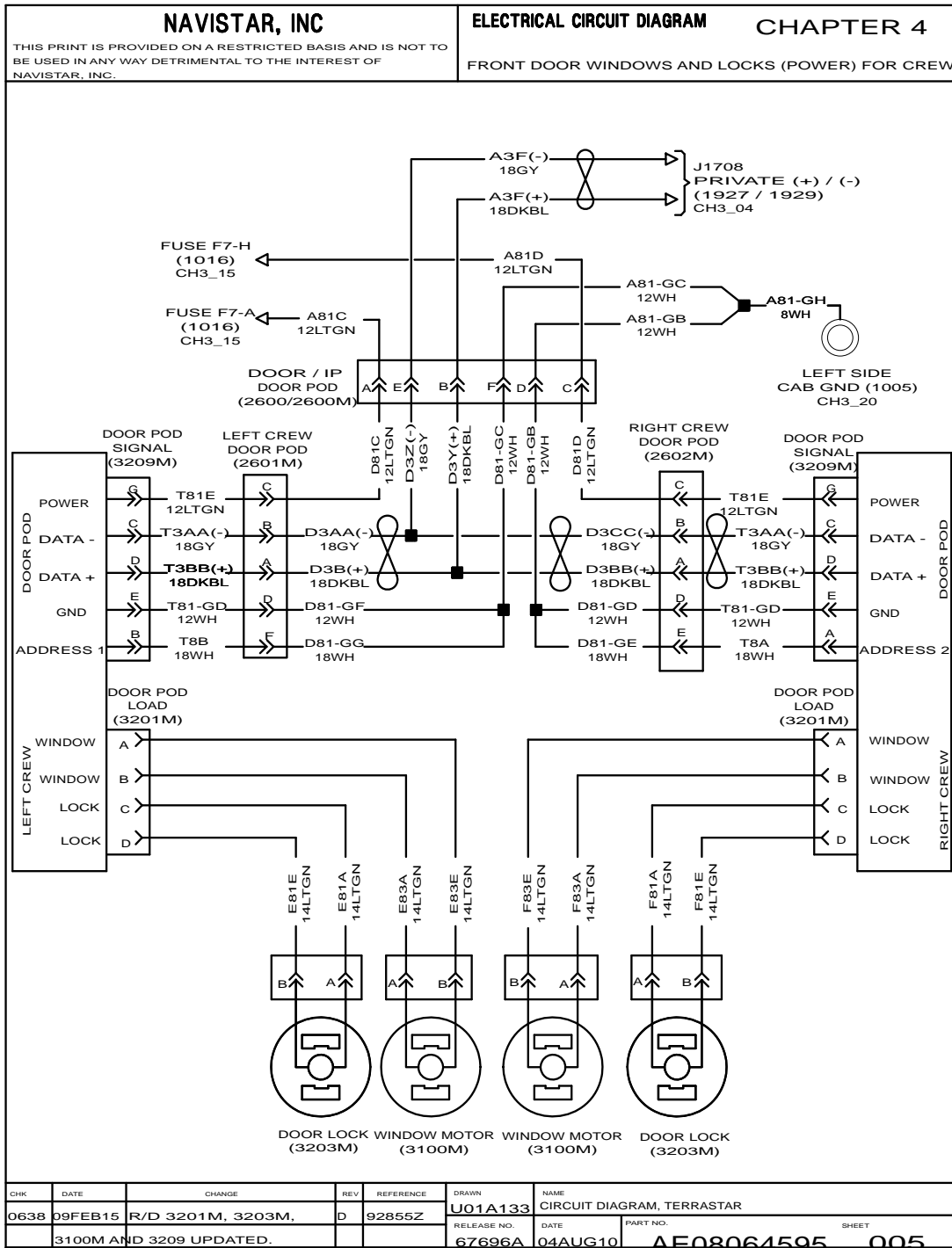


Figure 47 Front Door Windows and Locks (Power) For Crew

4.6. HORN – ELECTRIC AND AIR, P. 6

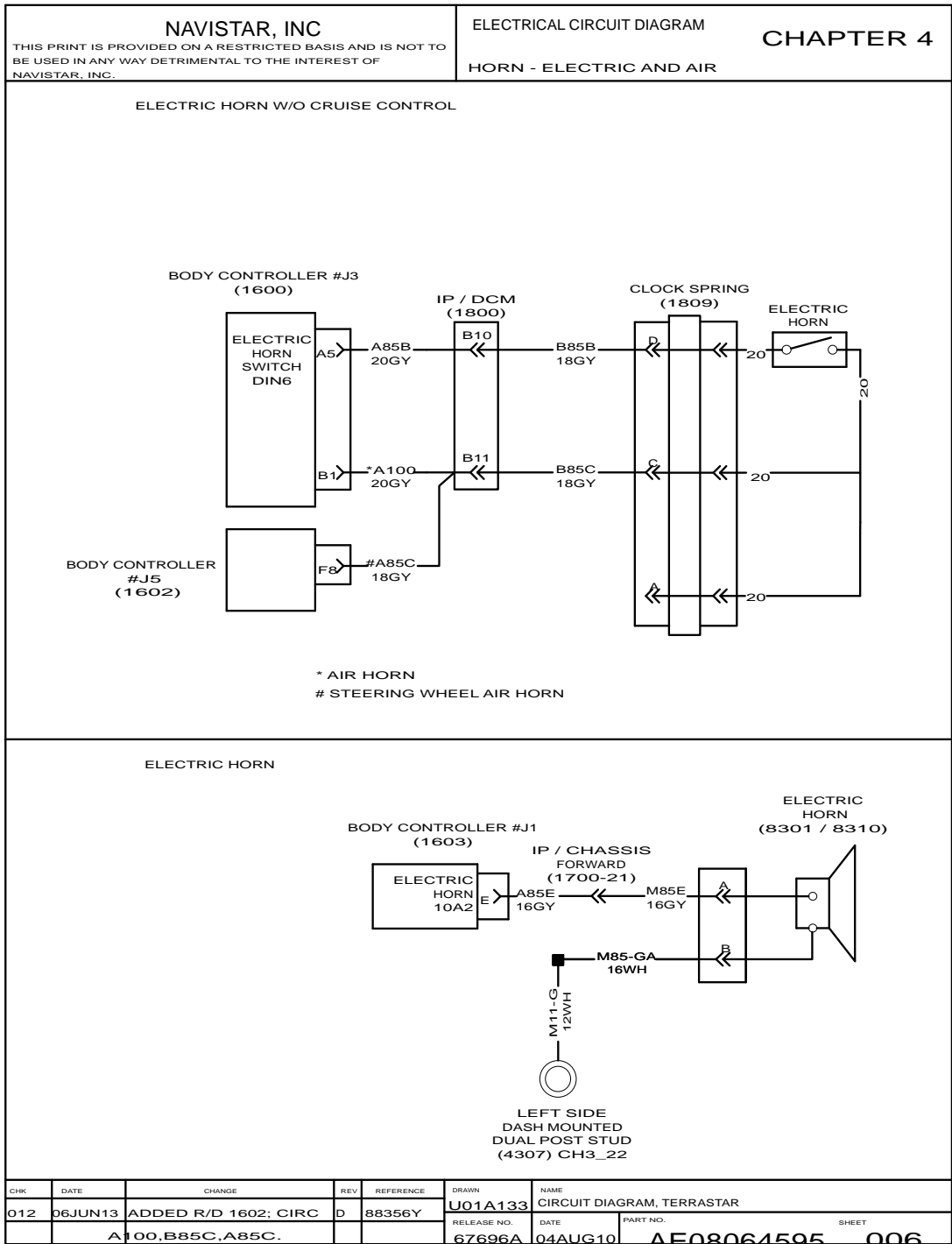


Figure 48 Horn – Electric and Air





4.8. 2 – WAY RADIO, P. 8

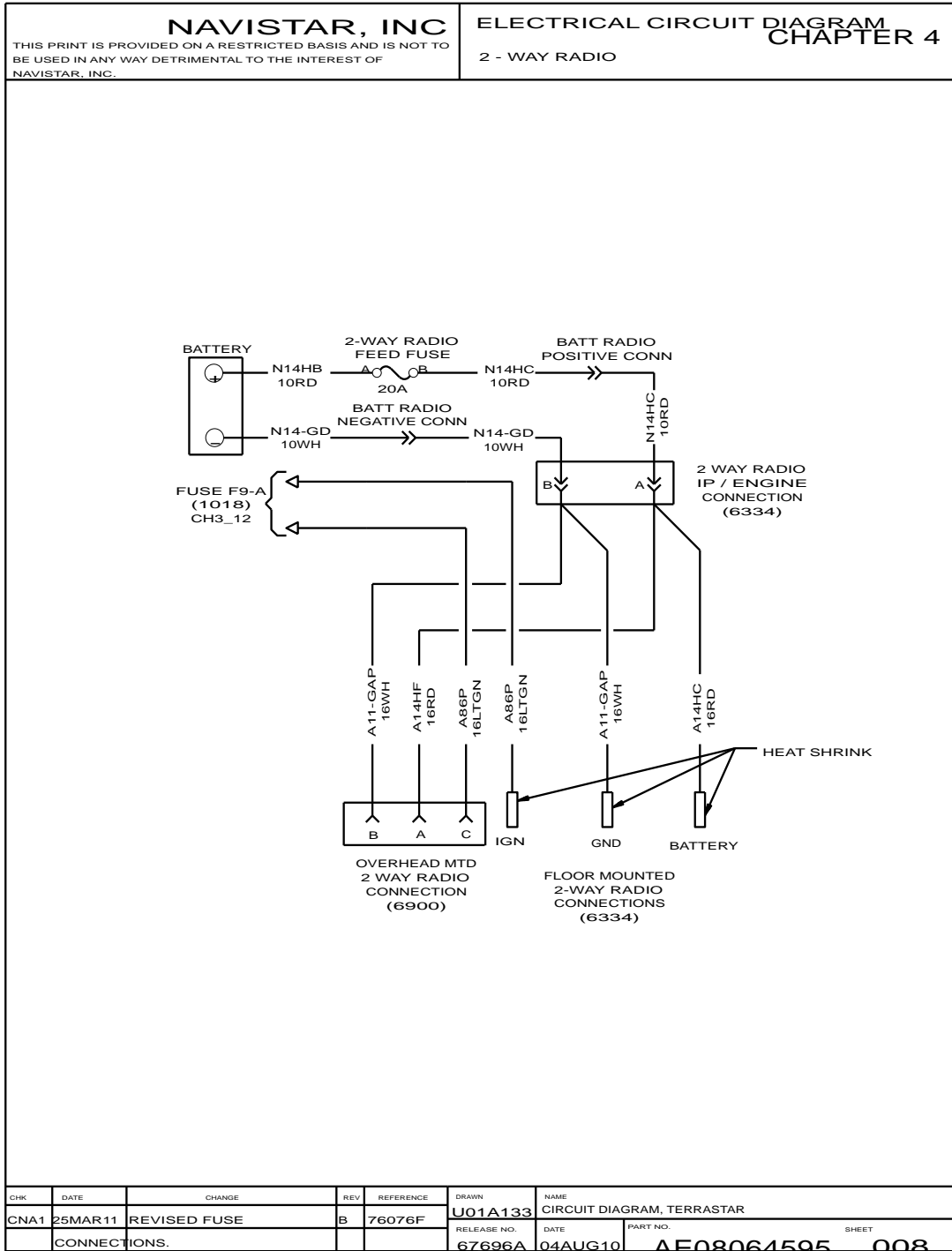


Figure 50 2 – Way Radio

4.9. INTENTIONALLY LEFT BLANK, P. 9

<b>NAVISTAR, INC</b>					<b>ELECTRICAL CIRCUIT DIAGRAM CHAPTER 4</b>				
THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF NAVISTAR, INC.					WASHER PUMP				
INTENTIONALLY LEFT BLANK									
CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME			
CNA1	25MAR11	REMOVED GEOMETRY.	B	76076F	U01A133	CIRCUIT DIAGRAM, TERRASTAR			
					RELEASE NO.	DATE	PART NO.	SHEET	
					67696A	04AUG10	AE08064595	009	

Figure 51 Intentionally Left Blank

4.10. SELF CONTAINED AIR SEAT, P. 10

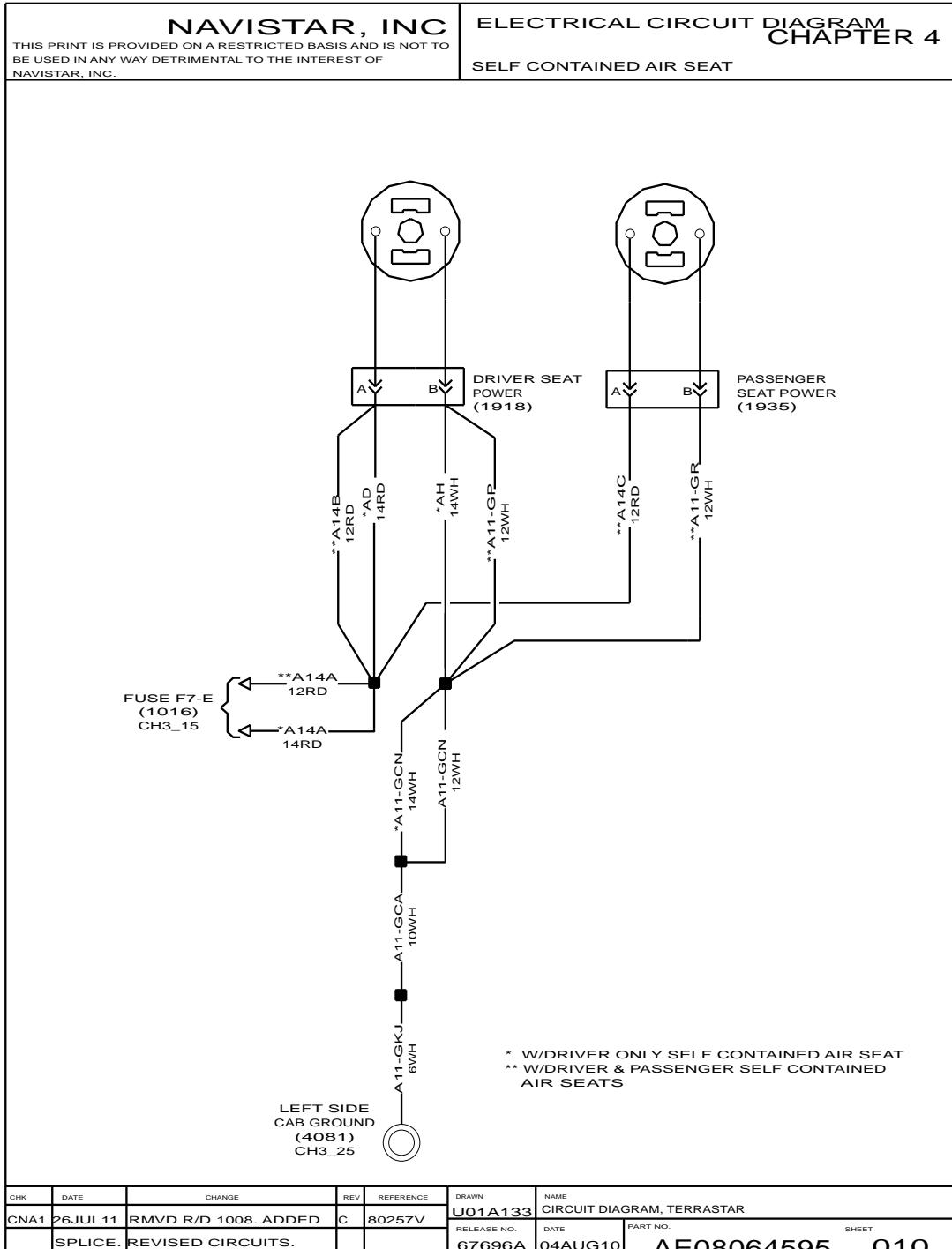


Figure 52 Self Contained Air Seat

4.11. RADIO (ENTERTAINMENT) SPEAKERS – WITH 16 WAY CONNECTOR, P. 11

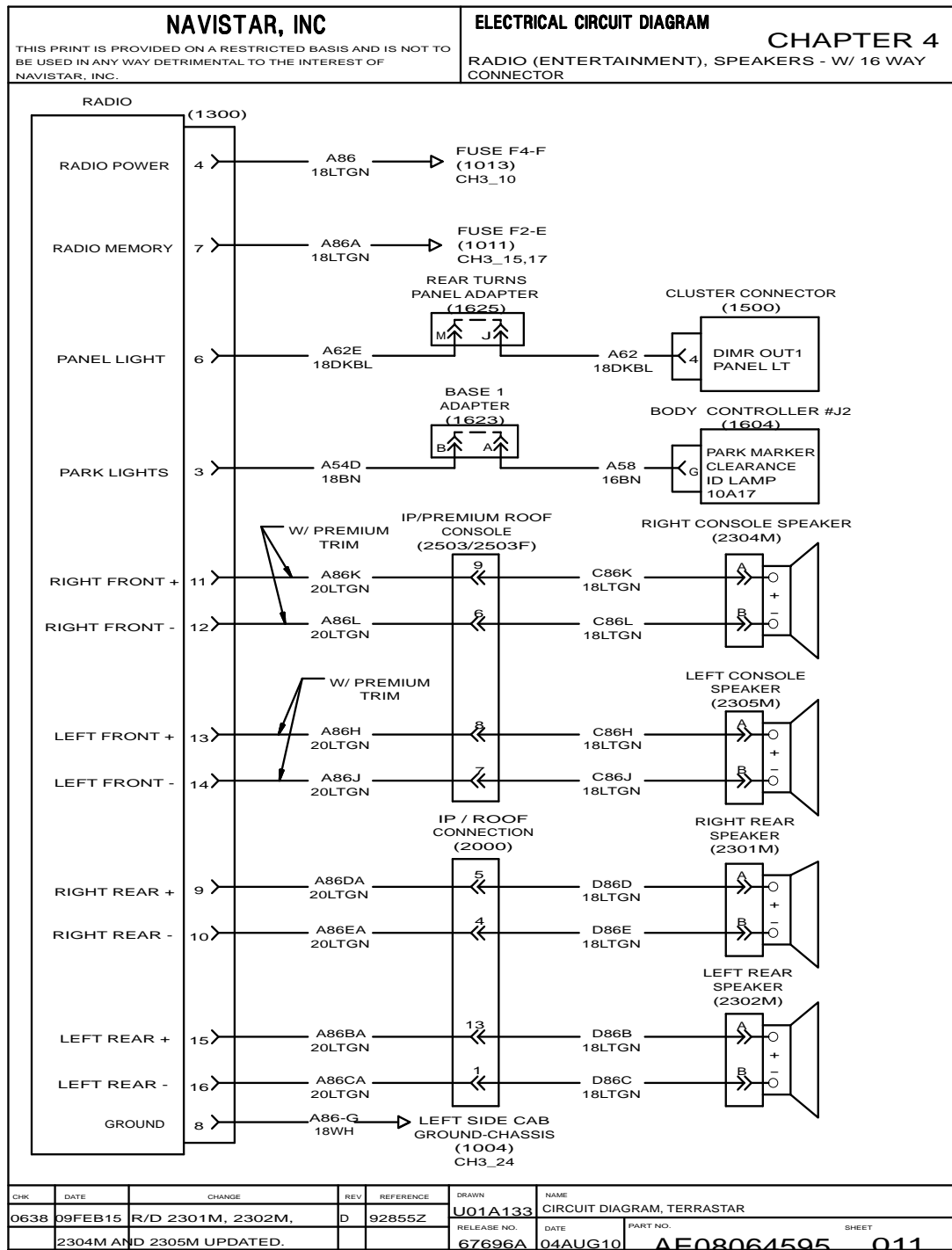


Figure 53 Radio (Entertainment) Speakers – with 16 Way Connector

4.12. RADIO (ENTERTAINMENT) SPEAKERS – WITH 12 WAY CONNECTOR, P. 11A

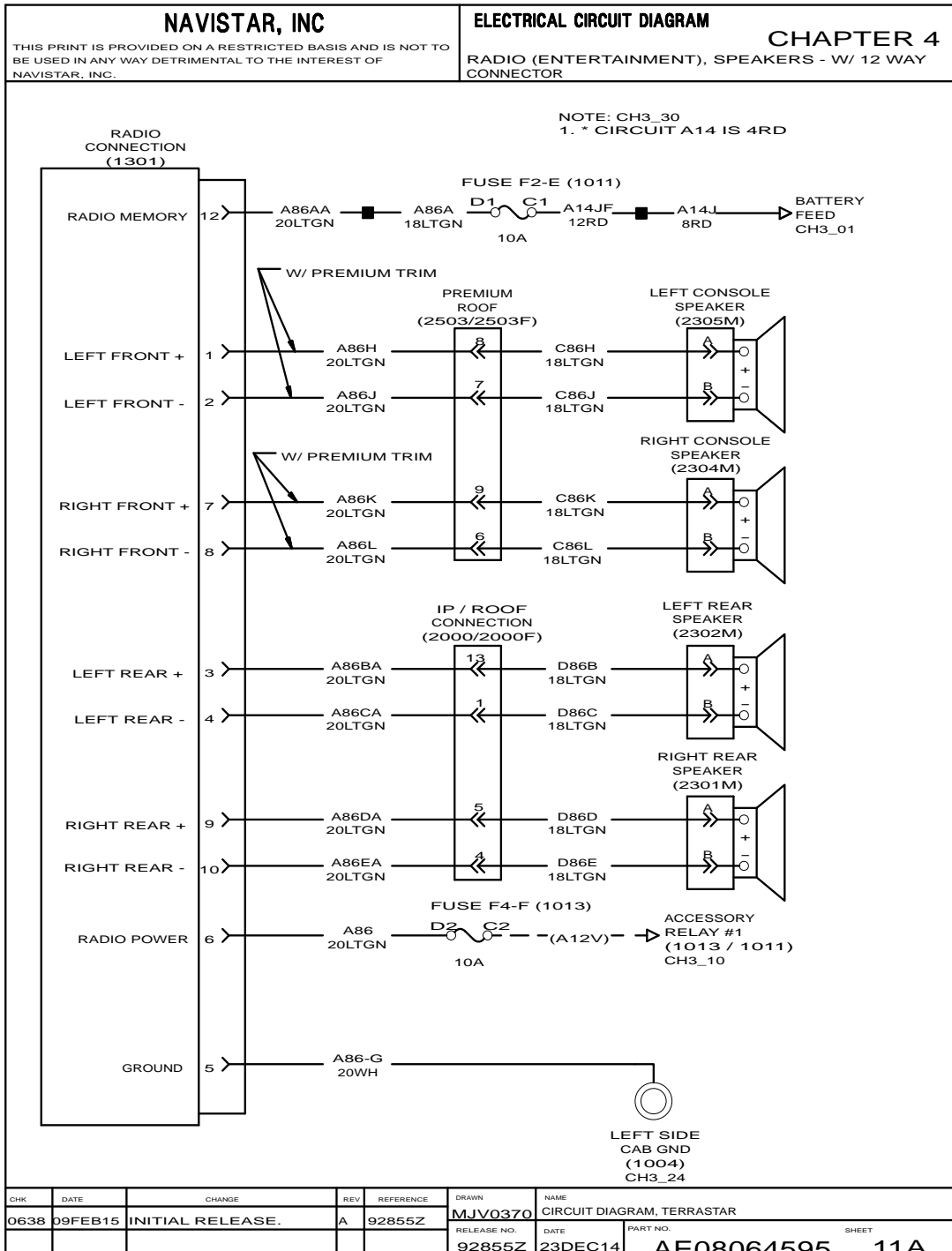


Figure 54 Radio (Entertainment) Speakers – with 12 Way Connector

4.13. RADIO (ENTERTAINMENT), SPEAKERS – WITH 16 WAY CONNECTOR (CONT.), P. 12

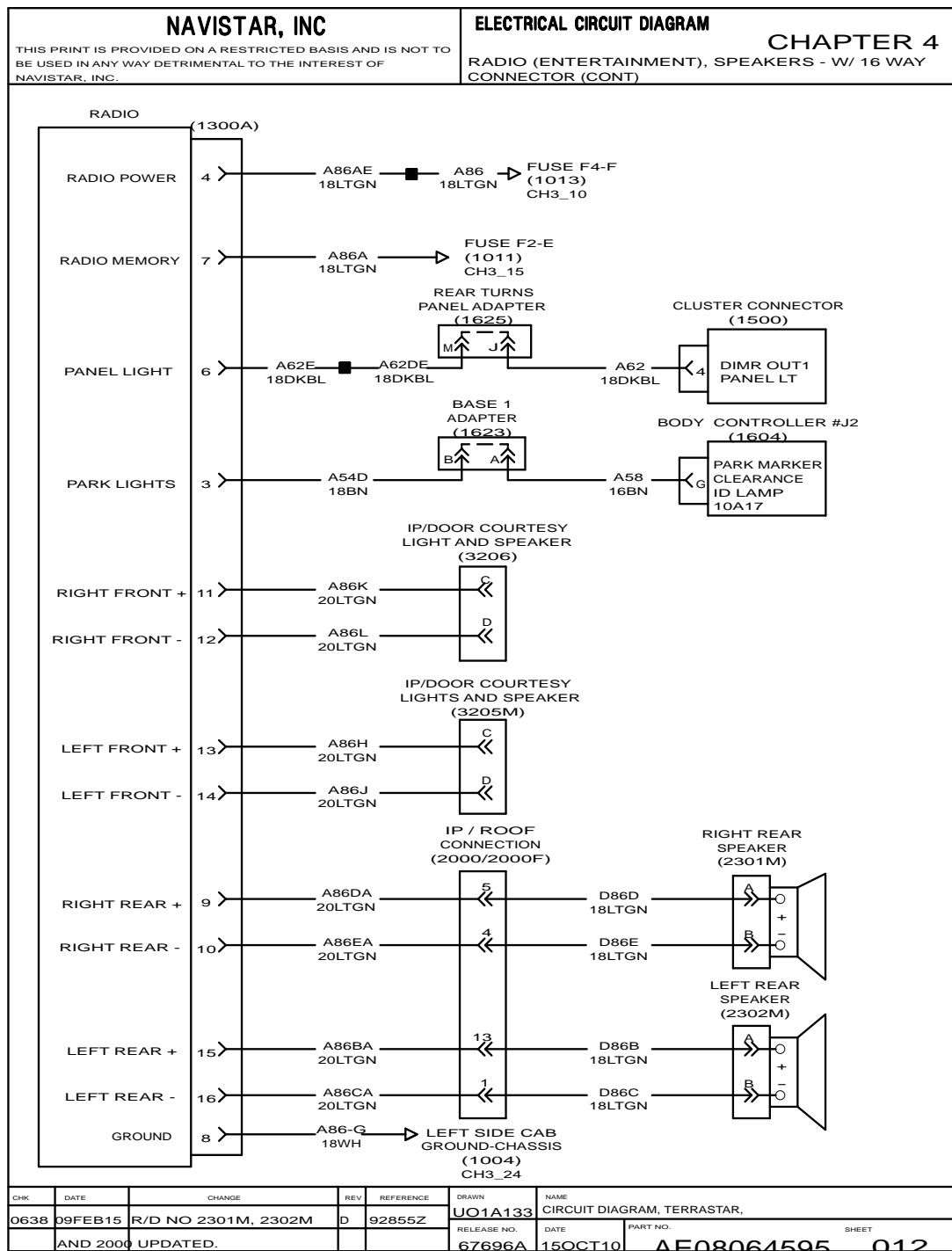


Figure 55 Radio (Entertainment), Speakers – with 16 Way Connector (Cont.)

4.14. INTENTIONALLY LEFT BLANK, P. 13

<b>NAVISTAR, INC</b> <small>THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF NAVISTAR, INC.</small>				<b>ELECTRICAL CIRCUIT DIAGRAM</b> <b>CHAPTER 4</b> COMPUTER PREWIRED - XATA SYSTEM			
<h1 style="margin: 0;">INTENTIONALLY LEFT BLANK</h1>							
CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME	
CNA1	25MAR11	REMOVED GEOMETRY.	B	76076F	U01A133	CIRCUIT DIAGRAM, TERRASTAR	
					RELEASE NO.	DATE	
					67696A	15OCT10	
						PART NO.	
						AE08064595	
						SHEET	
						013	

Figure 56 Intentionally Left Blank



4.15. INTENTIONALLY LEFT BLANK, P. 14

<b>NAVISTAR, INC</b>				<b>ELECTRICAL CIRCUIT DIAGRAM CHAPTER 4</b>			
THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF NAVISTAR, INC.				CADEC GPS SYSTEM			
INTENTIONALLY LEFT BLANK							
CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME	
CNA1	25MAR11	REMOVED GEOMETRY.	B	76076F	U01A133	CIRCUIT DIAGRAM, TERRASTAR	
					RELEASE NO.	DATE	PART NO. SHEET
					67696A	15OCT10	AE08064595 014

Figure 57 Intentionally Left Blank

4.16. INTENTIONALLY LEFT BLANK, P. 15

<p><b>NAVISTAR, INC</b>  <small>THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF NAVISTAR, INC.</small></p>				<p><b>ELECTRICAL CIRCUIT DIAGRAM</b>  <b>CHAPTER 4</b>                  SATELLITE COMMUNICATION - TRIPMASTER</p>			
<p><b>INTENTIONALLY LEFT BLANK</b></p>							
CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME	
CNA1	25MAR11	REMOVED GEOMETRY.	B	76076F	U01A133	CIRCUIT DIAGRAM, TERRASTAR	
					RELEASE NO.	DATE	PART NO. SHEET
					67696A	15OCT10	AE08064595 015

Figure 58 Intentionally Left Blank

4.17. INTENTIONALLY LEFT BLANK, P. 16

<b>NAVISTAR, INC</b>				<b>ELECTRICAL CIRCUIT DIAGRAM CHAPTER 4</b>			
THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF NAVISTAR, INC.				SATELLITE COMMUNICATION - QUALCOMM IMCT			
INTENTIONALLY LEFT BLANK							
CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME	
CNA1	25MAR11	REMOVED GEOMETRY.	B	76076F	U01A133	CIRCUIT DIAGRAM, TERRASTAR	
					RELEASE NO.	DATE	PART NO. SHEET
					67696A	15OCT10	AE08064595 016

Figure 59 Intentionally Left Blank

4.18. ROOF AUX LOAD, P. 17

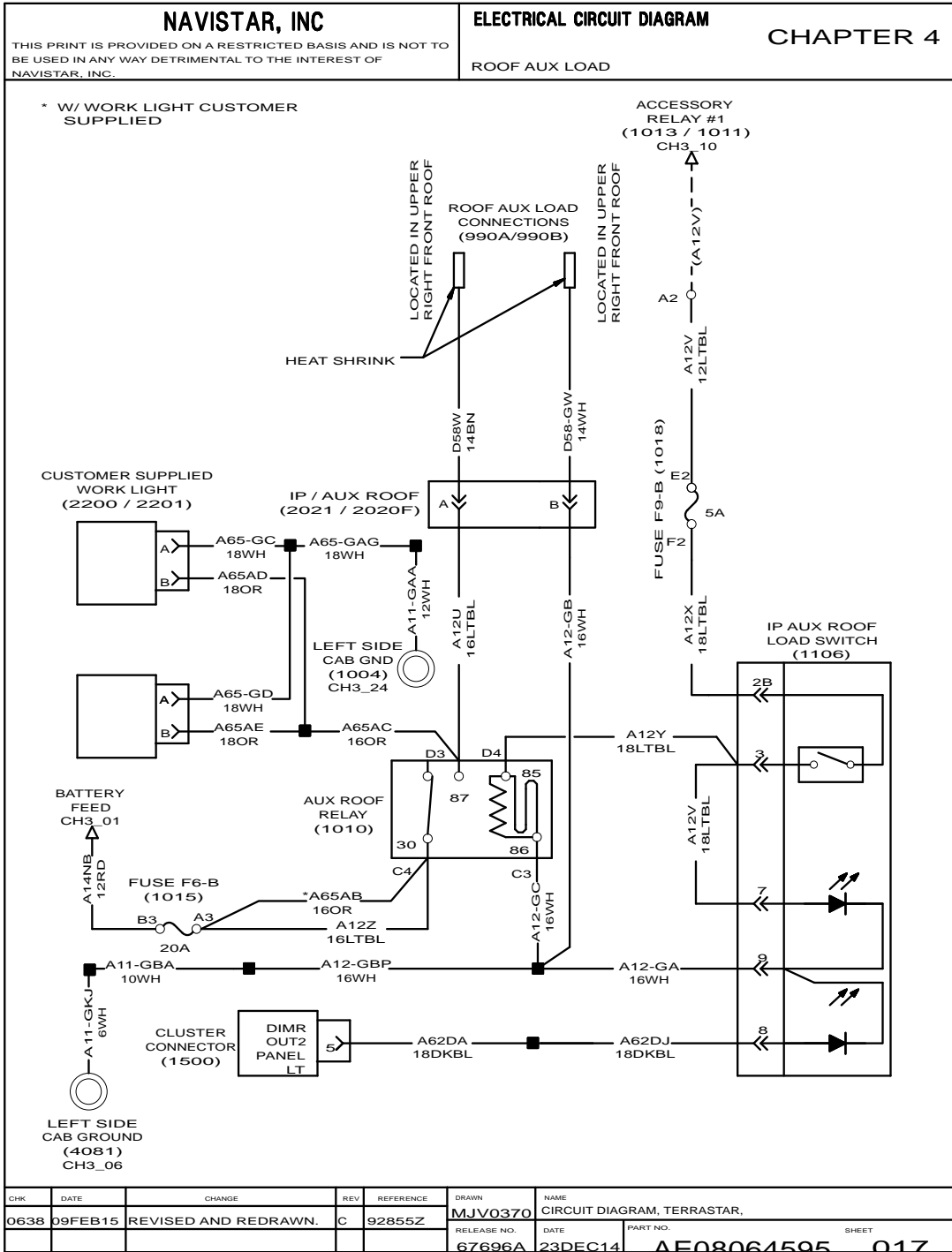


Figure 60 Roof Aux Load

4.19. INTENTIONALLY LEFT BLANK, P. 18

<b>NAVISTAR, INC</b>				<b>ELECTRICAL CIRCUIT DIAGRAM</b>				
THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF NAVISTAR, INC.				<b>CHAPTER 4</b>				
INTENTIONALLY LEFT BLANK								
				MIRRORS (HEATED, LIGHTED & POWER) (CONT)				
CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME		
CNA1	25MAR11	REMOVED GEOMETRY.	B	76076F	U01A133	CIRCUIT DIAGRAM, TERRASTAR		
					RELEASE NO.	DATE	PART NO.	SHEET
					67696A	15OCT10	AE08064595	018

Figure 61 Intentionally Left Blank

4.20. INTENTIONALLY LEFT BLANK, P. 19

<b>NAVISTAR, INC</b>				<b>ELECTRICAL CIRCUIT DIAGRAM CHAPTER 4</b>			
THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF NAVISTAR, INC.				SATELLITE COMMUNICATION - QUALCOMM IMCT W/ MVPC KEYBOARD			
INTENTIONALLY LEFT BLANK							
CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME	
CNA1	25MAR11	REMOVED GEOMETRY.	B	76076F	U01A133	CIRCUIT DIAGRAM, TERRASTAR	
					RELEASE NO.	DATE	PART NO.
					67696A	15OCT10	AE08064595 019

Figure 62 Intentionally Left Blank

4.21. INTENTIONALLY LEFT BLANK, P. 20

<b>NAVISTAR, INC</b>				<b>ELECTRICAL CIRCUIT DIAGRAM CHAPTER 4</b>			
THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF NAVISTAR, INC.				SATELLITE COMMUNICATION - QUALCOMM OMNIVISION			
INTENTIONALLY LEFT BLANK							
CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME	
CNA1	25MAR11	REMOVED GEOMETRY.	B	76076F	U01A133	CIRCUIT DIAGRAM, TERRASTAR	
					RELEASE NO.	DATE	PART NO. SHEET
					67696A	15OCT10	AE08064595 020

Figure 63 Intentionally Left Blank

4.22. MIRRORS (HEATED, LIGHTED & POWER) , P. 21

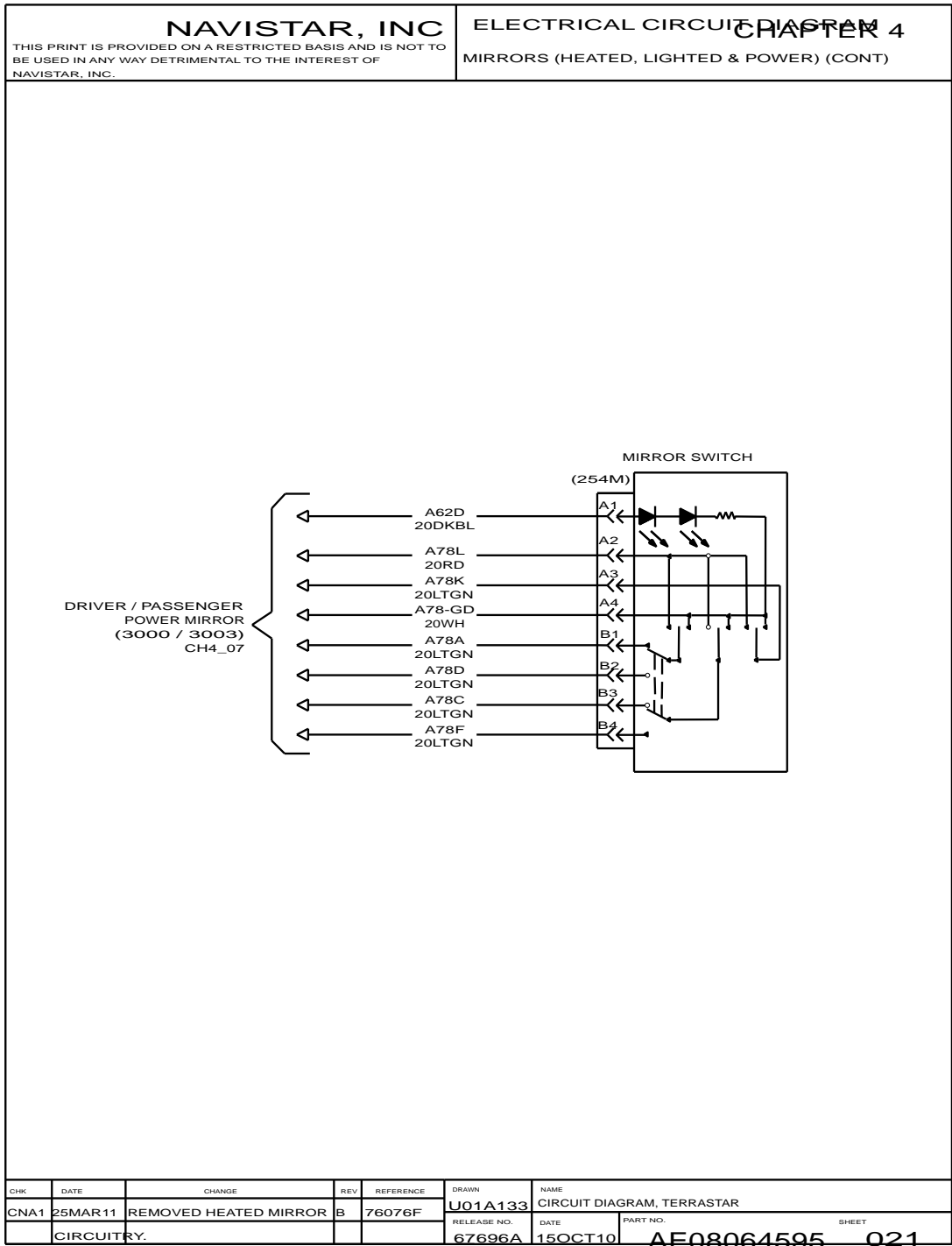


Figure 64 Mirrors (Heated, Lighted & Power)



4.23. CB POWER RADIO, P. 22

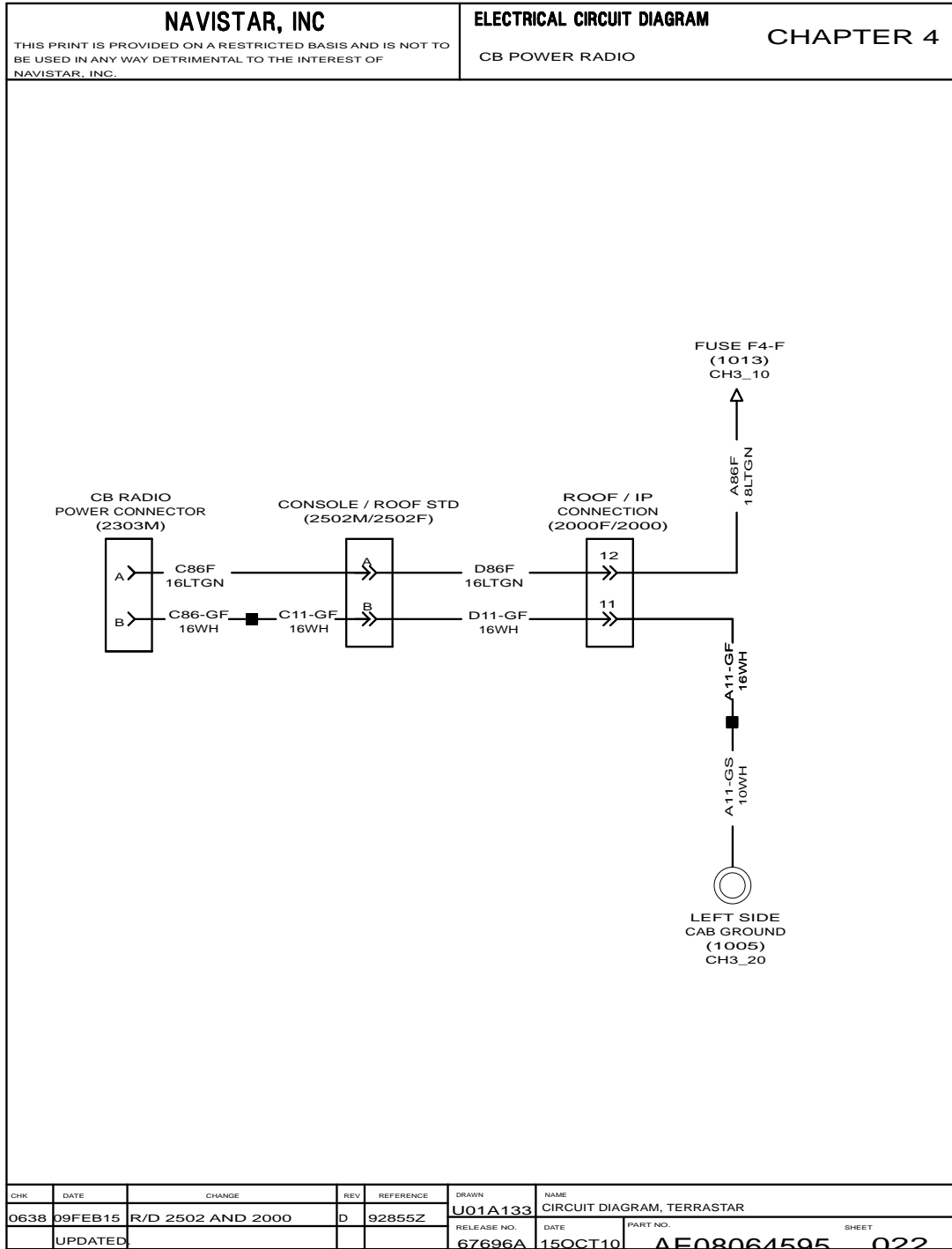


Figure 65 CB Power Radio

4.24. BACK-UP CAMERA, P. 23

<b>NAVISTAR, INC</b> <small>THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF NAVISTAR, INC.</small>				<b>ELECTRICAL CIRCUIT DIAGRAM</b> <b>CHAPTER 4</b>  BACK-UP CAMERA			
<h1 style="margin: 0;">INTENTIONALLY LEFT BLANK</h1>							
CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME	
CNA1	25MAR11	REMOVED GEOMETRY.	B	76076F	U01A133	CIRCUIT DIAGRAM, TERRASTAR	
					RELEASE NO.	DATE	
					67696A	15OCT10	
						PART NO.	
						AE08064595	
						SHEET	
						023	

Figure 66 Back-Up Camera

4.25. HEATED SEATS, P. 24

<b>NAVISTAR, INC</b>				ELECTRICAL CIRCUIT DIAGRAM CHAPTER 4			
THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF NAVISTAR, INC.				HEATED SEATS			
INTENTIONALLY LEFT BLANK							
CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME	
CNA1	25MAR11	REMOVED GEOMETRY.	B	76076F	U01A133	CIRCUIT DIAGRAM, TERRASTAR	
					RELEASE NO.	DATE	PART NO. SHEET
					67696A	15OCT10	AE08064595 024

Figure 67 Heated Seats

4.26. SWITCH PACK OPTIONAL GAUGE PACK, P. 25

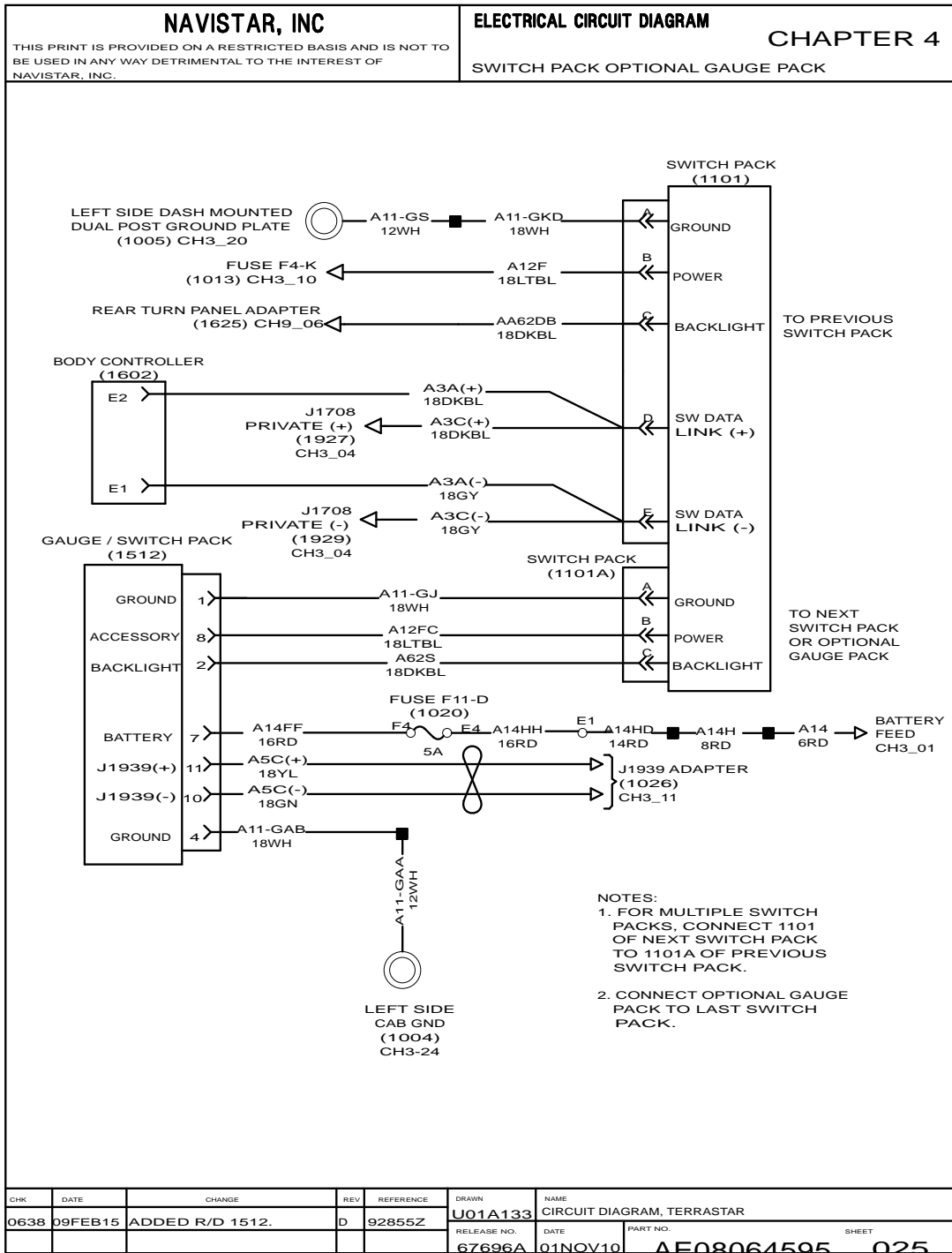


Figure 68 Switch Pack Optional Gauge Pack

4.27. WINDSHIELD WIPER, P. 26

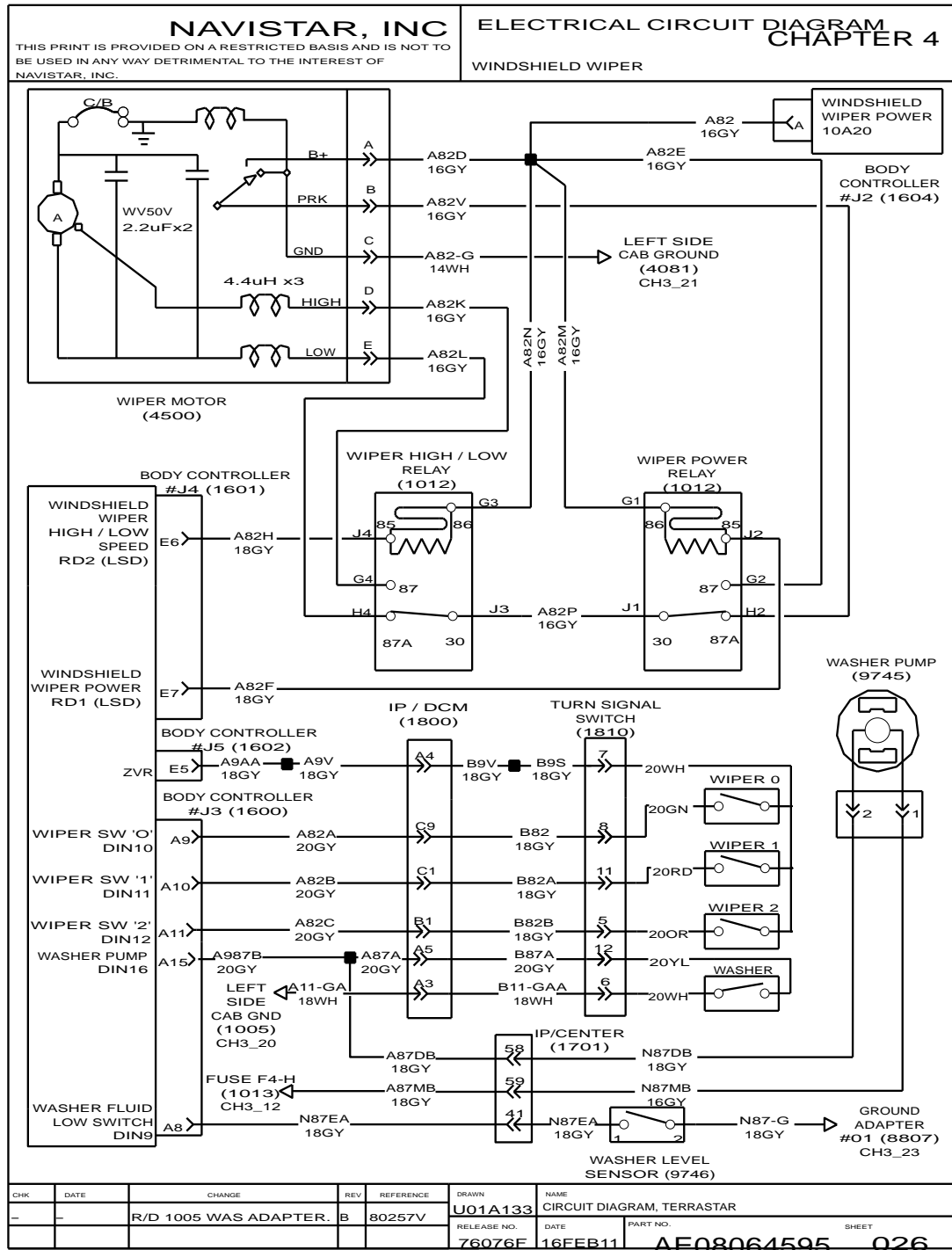


Figure 69 Windshield Wiper

4.28. SEAT BELT AND SEAT SENSOR, P. 27

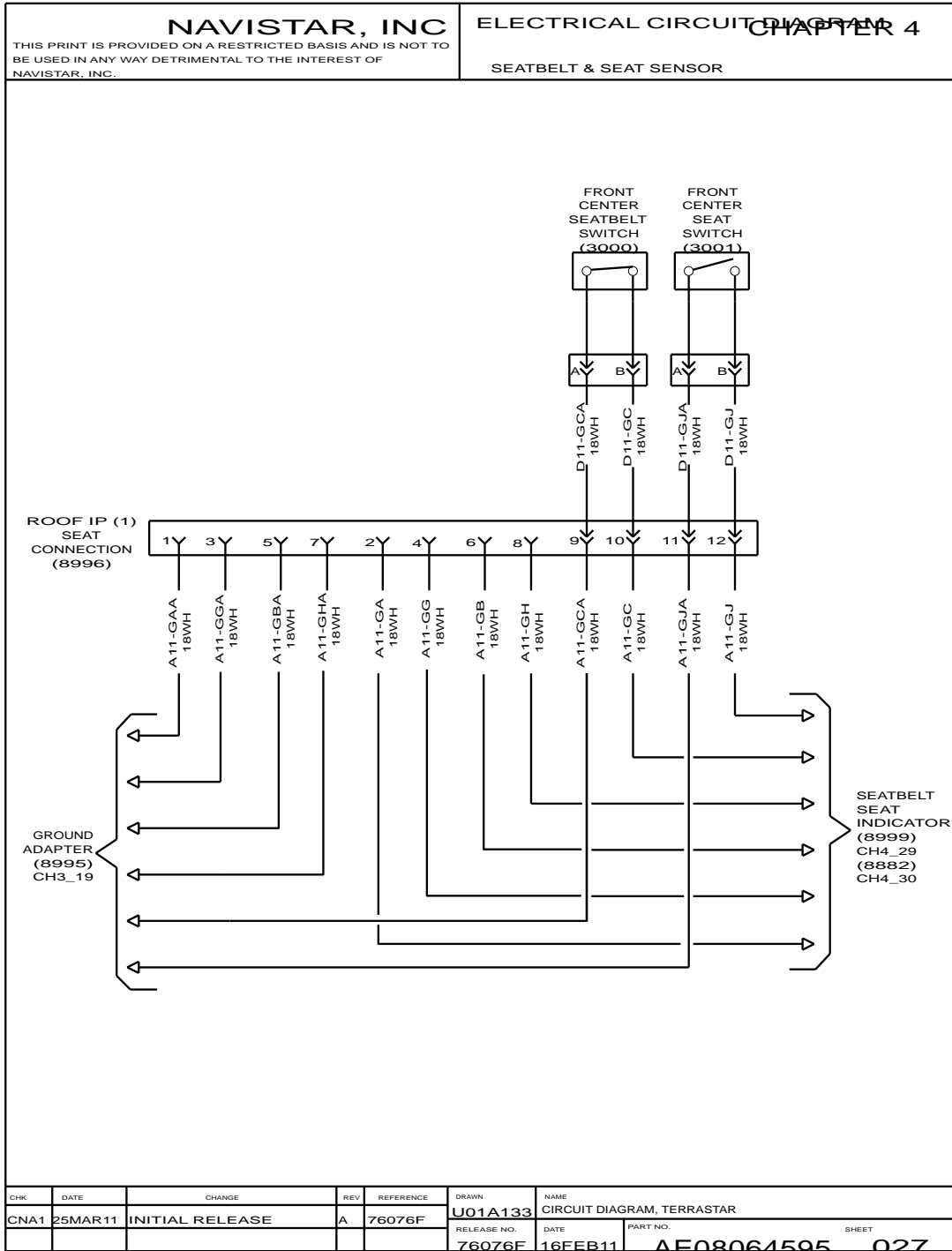


Figure 70 Seat Belt and Seat Sensor

4.29. SEAT BELT AND SEAT SENSOR (CONT.), P. 28

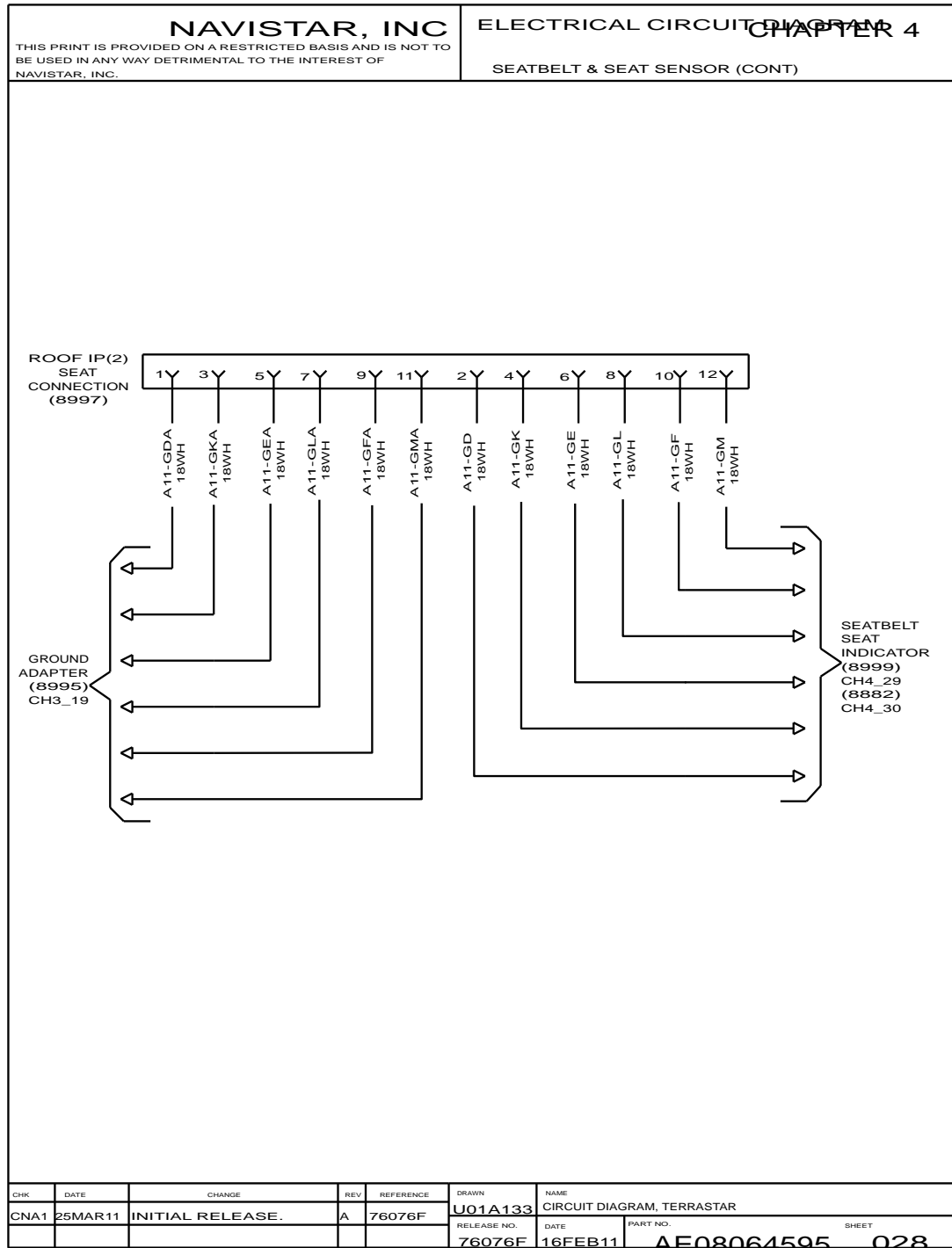


Figure 71 Seat Belt and Seat Sensor (Cont.)

4.30. SEAT BELT AND SEAT SENSOR (CONT.), P. 29

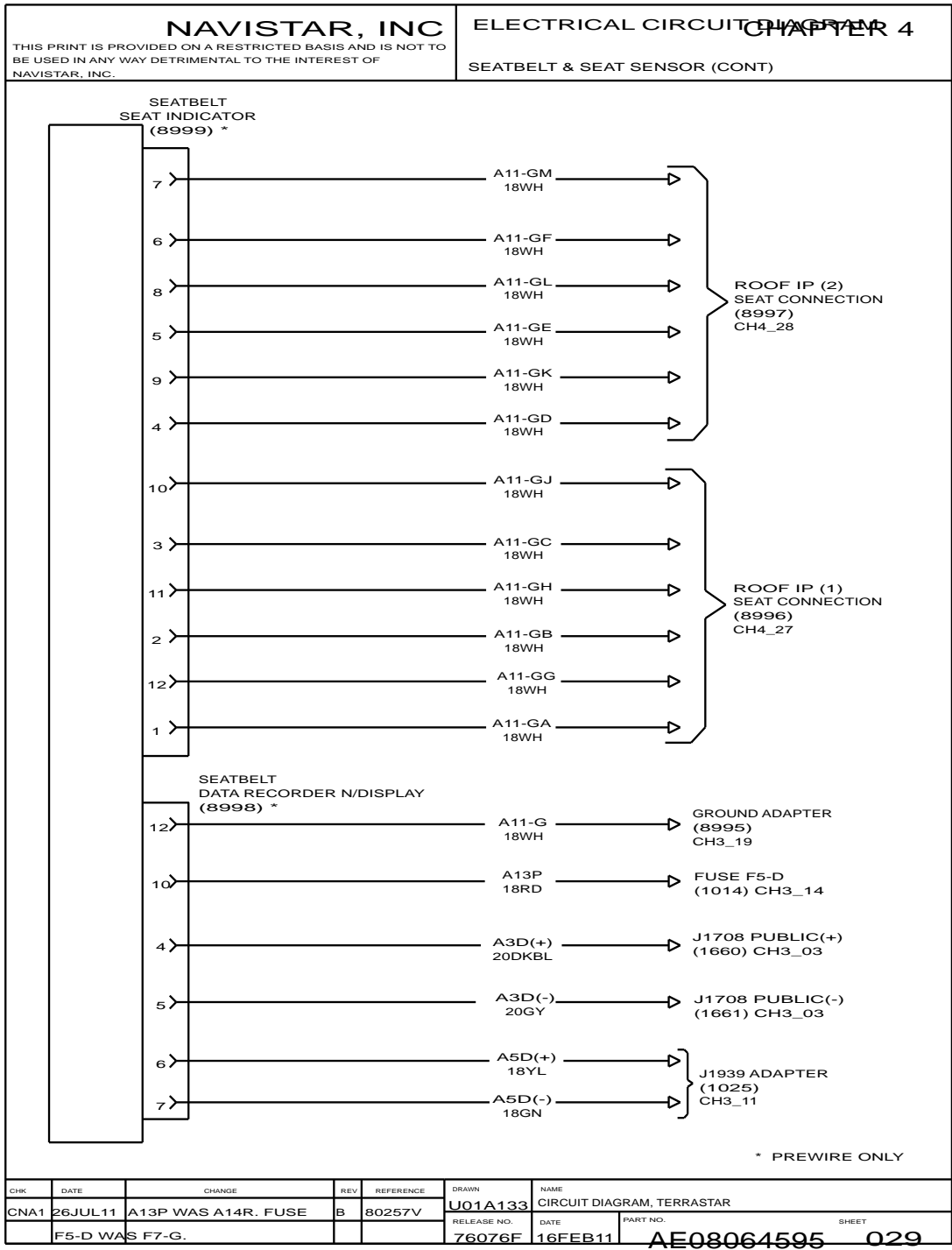


Figure 72 Seat Belt and Seat Sensor (Cont.)



4.31. SEAT BELT AND SEAT SENSOR (CONT.), P. 30

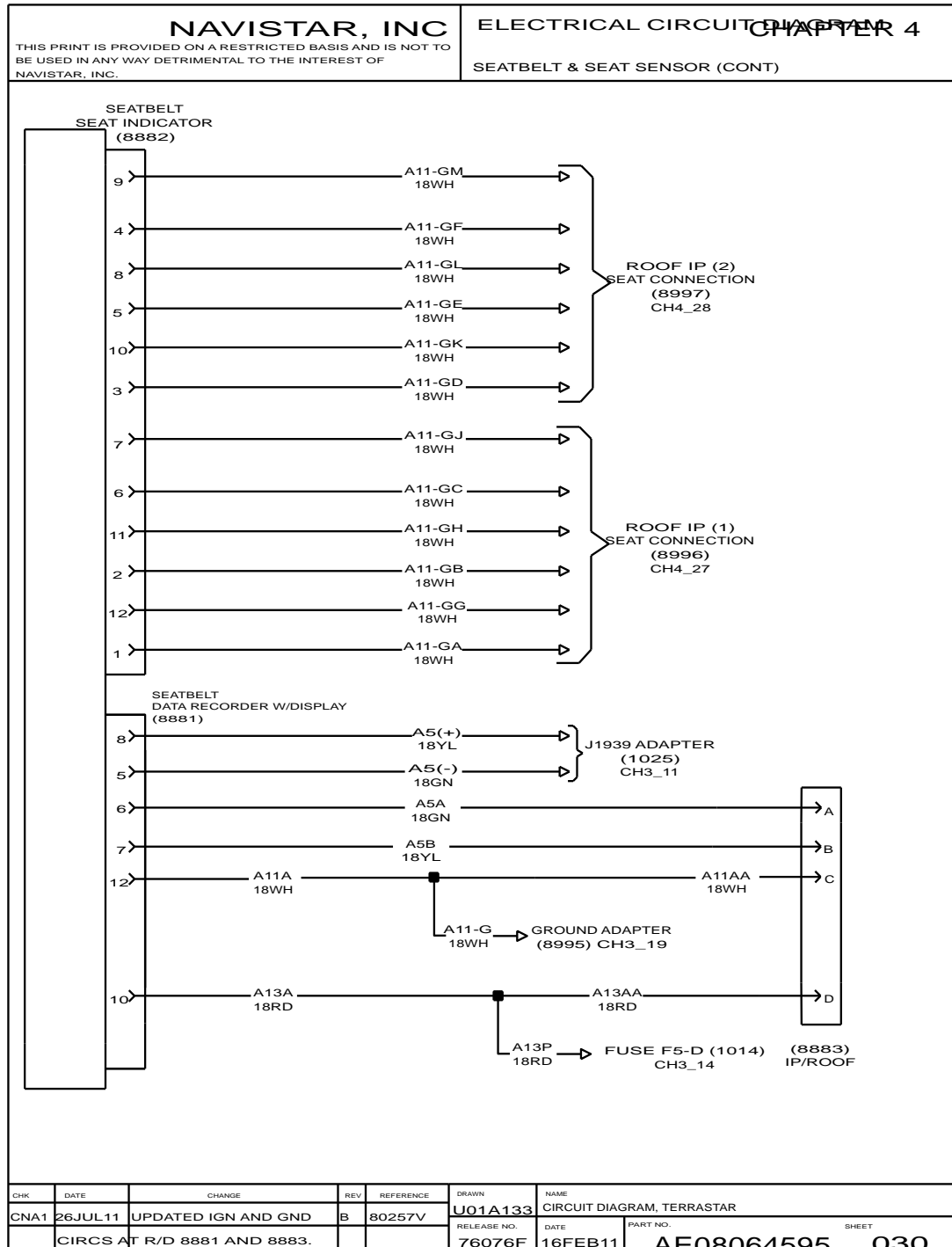


Figure 73 Seat Belt and Seat Sensor (Cont.)



5.2. ROCKER START, P. 2

<b>NAVISTAR, INC</b>				<b>ELECTRICAL CIRCUIT DIAGRAM 5</b>			
THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF NAVISTAR, INC.				<b>CHAPTER 5</b>			
				ROCKER START			
INTENTIONALLY LEFT BLANK							
CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME	
CNA1	25MAR11	REMOVED GEOMETRY.	B	76076F	U01A133	CIRCUIT DIAGRAM, TERRASTAR	
					RELEASE NO.	DATE	PART NO.
					67696A	15OCT10	AE08064596 002

Figure 75 Rocker Start

## FANS AND ENGINE ACCESSORIES (CHAPTER 6)

### 6.1. FAN WIRING – V8 ENGINE, P. 1

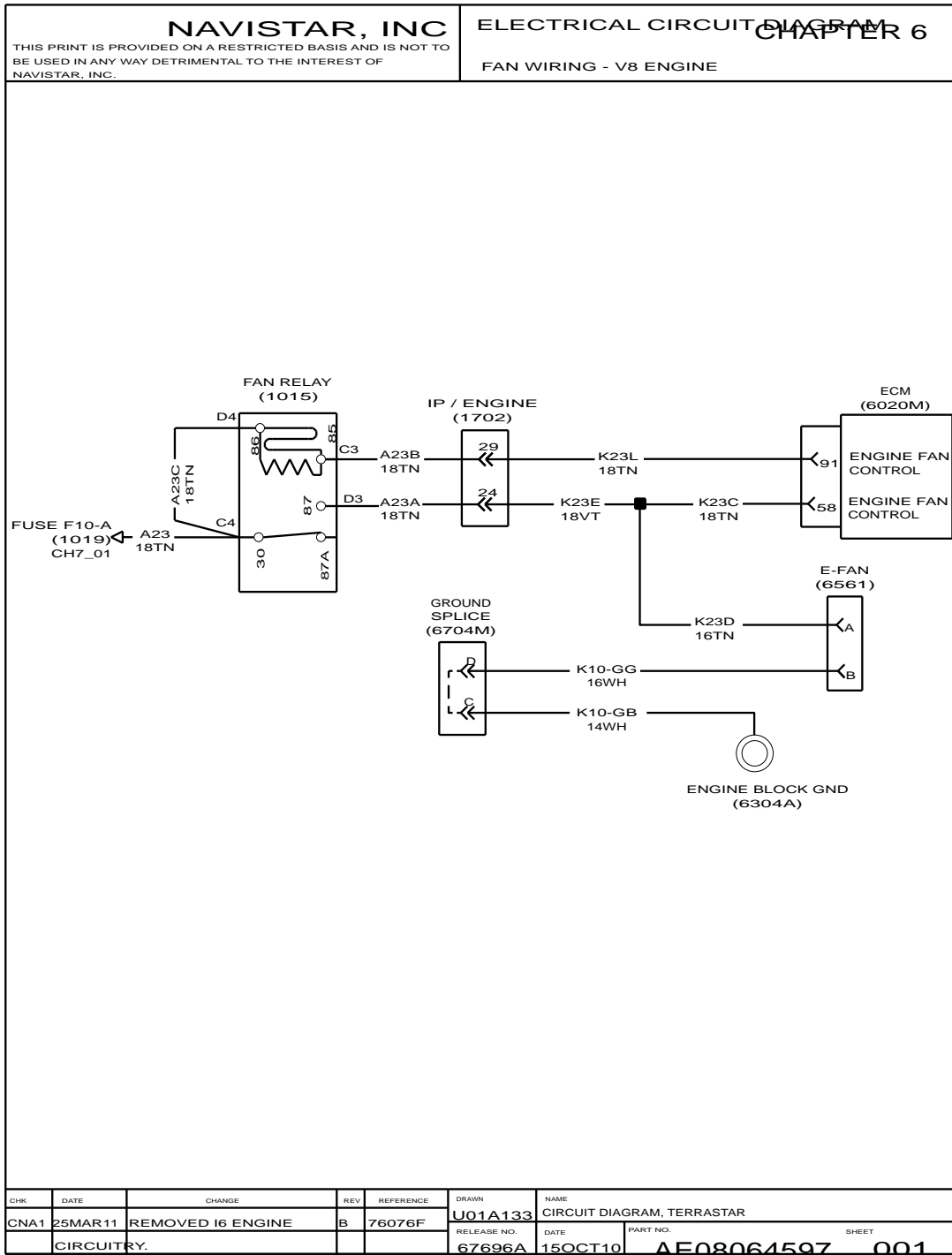


Figure 76 Fan Wiring – V8 Engine

6.2. SNOW VALVE, P. 2

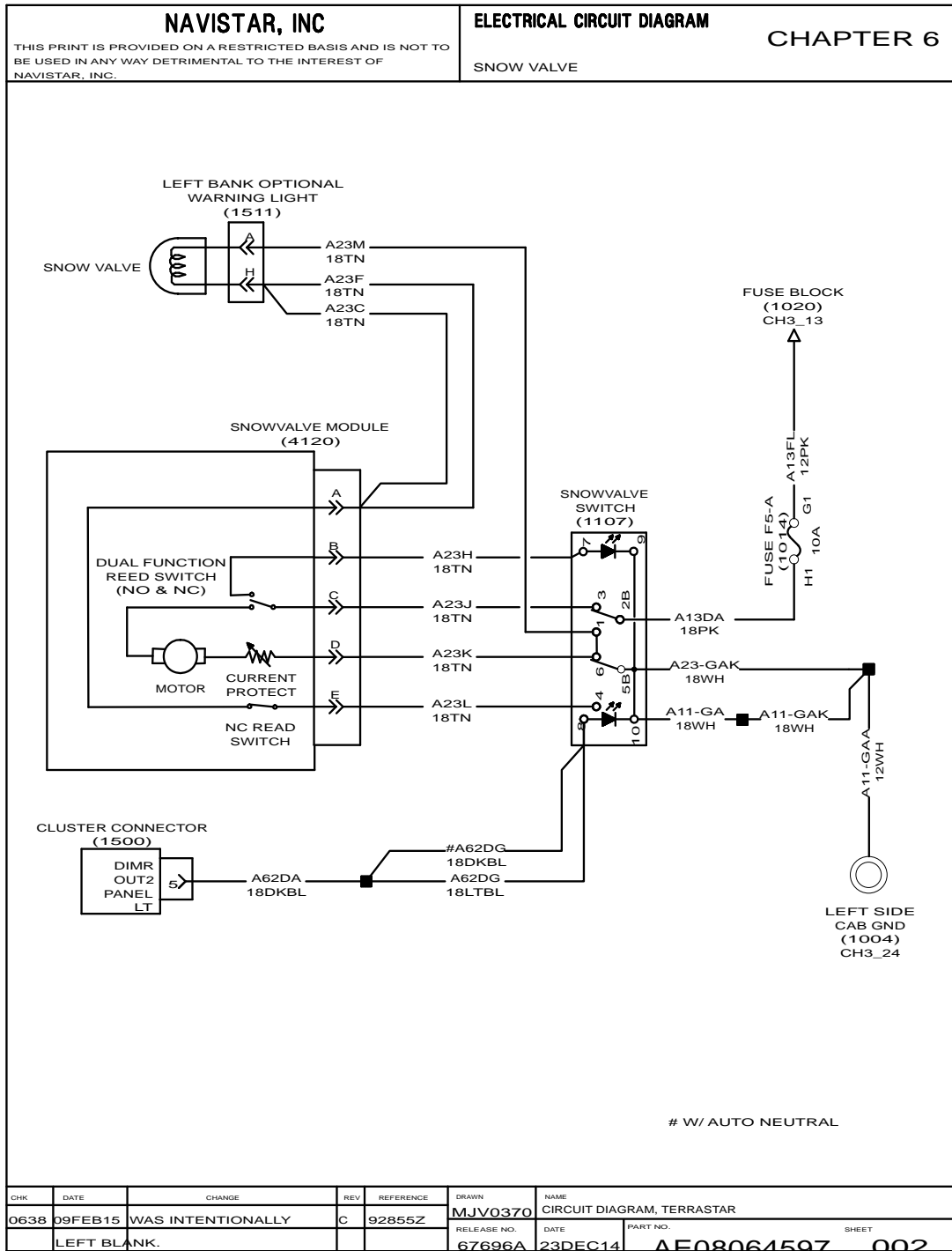


Figure 77 Snow Valve

# ELECTRONIC ENGINES (CHAPTER 7)

## 7.1. ELECTRONIC ENGINE CONTROLS – V8 ENGINE, P. 1

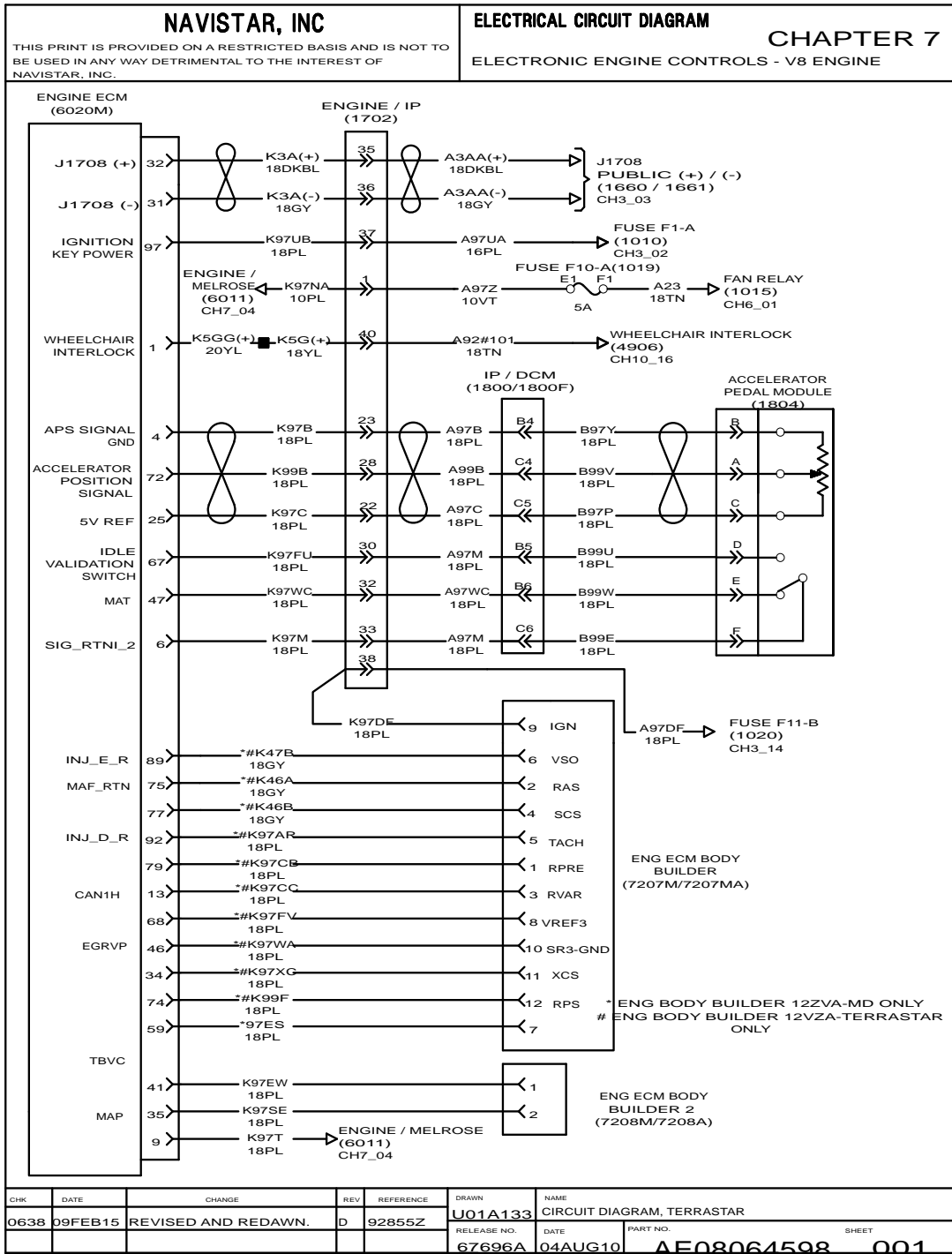


Figure 78 Electronic Engine Controls – V8 Engine

7.2. ELECTRONIC ENGINE CONTROLS – V8 ENGINE (CONT.), P. 2

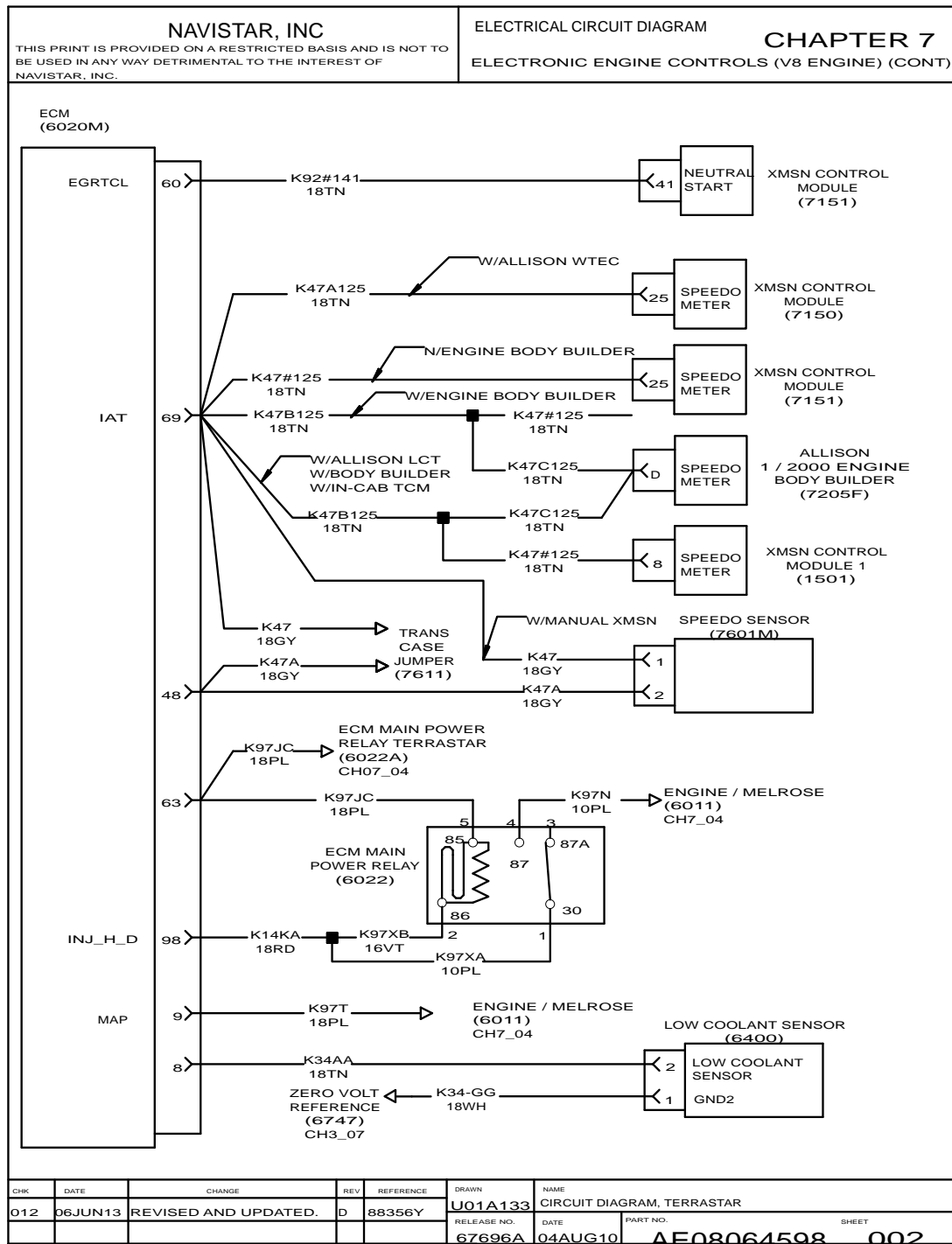


Figure 79 Electronic Engine Controls – V8 Engine (Cont.)

7.3. ELECTRONIC ENGINE CONTROLS – V8 ENGINE (CONT.), P. 3

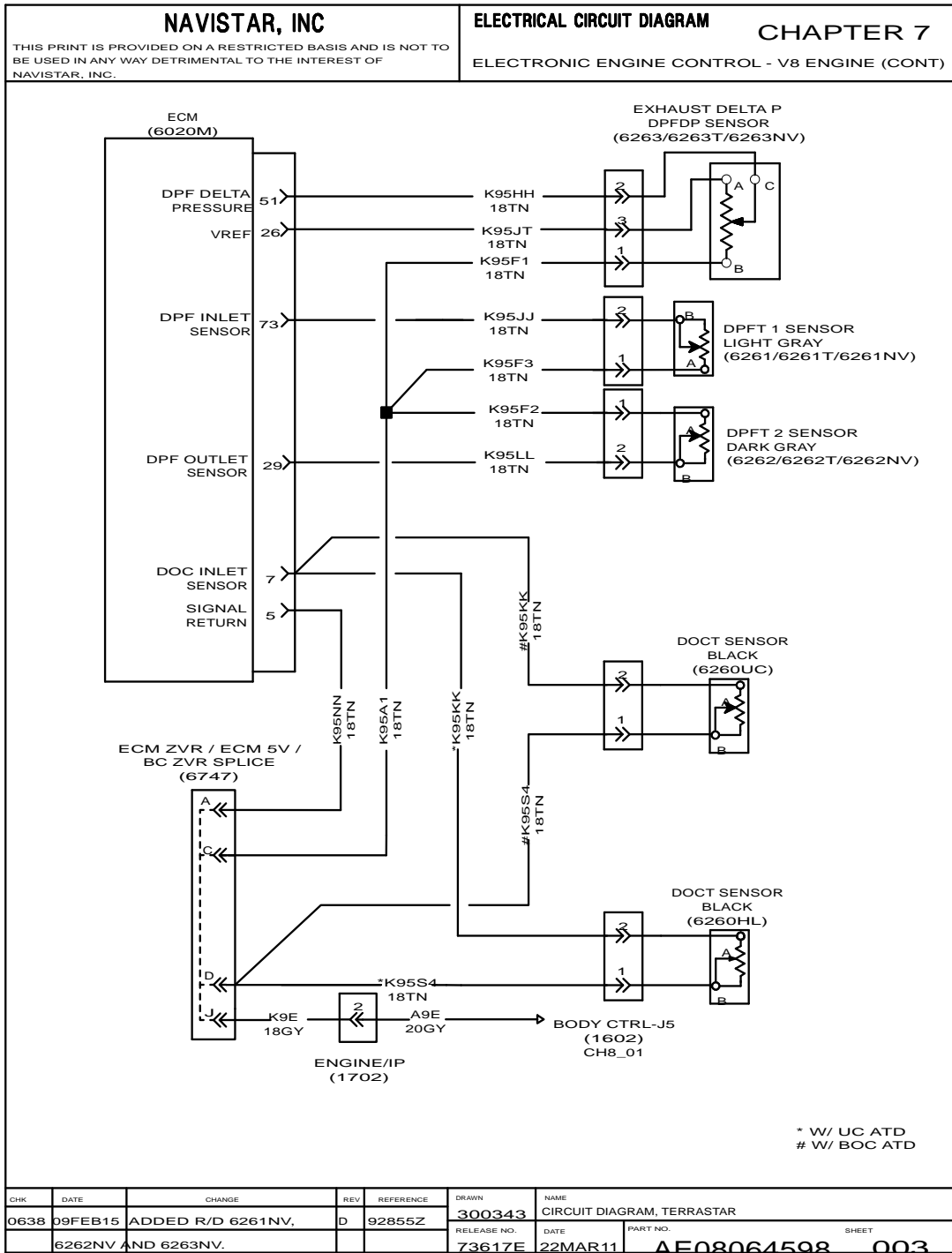


Figure 80 Electronic Engine Controls – V8 Engine (Cont.)



7.4. ELECTRONIC ENGINE CONTROLS – V8 ENGINE (CONT.), P. 3

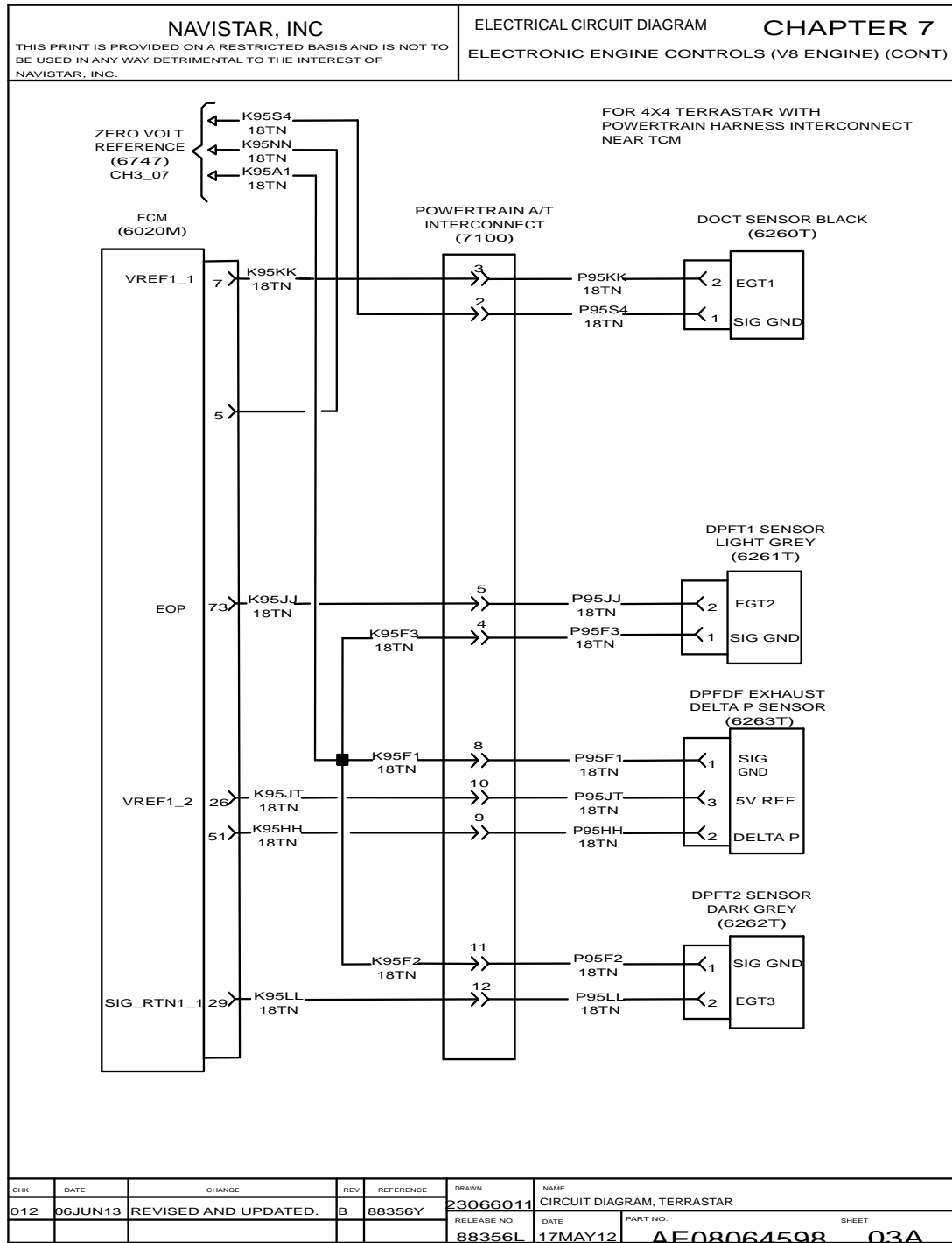


Figure 81 Electronic Engine Controls – V8 Engine (Cont.)

7.5. ELECTRONIC ENGINE CONTROLS – V8 ENGINE (CONT.), P. 4

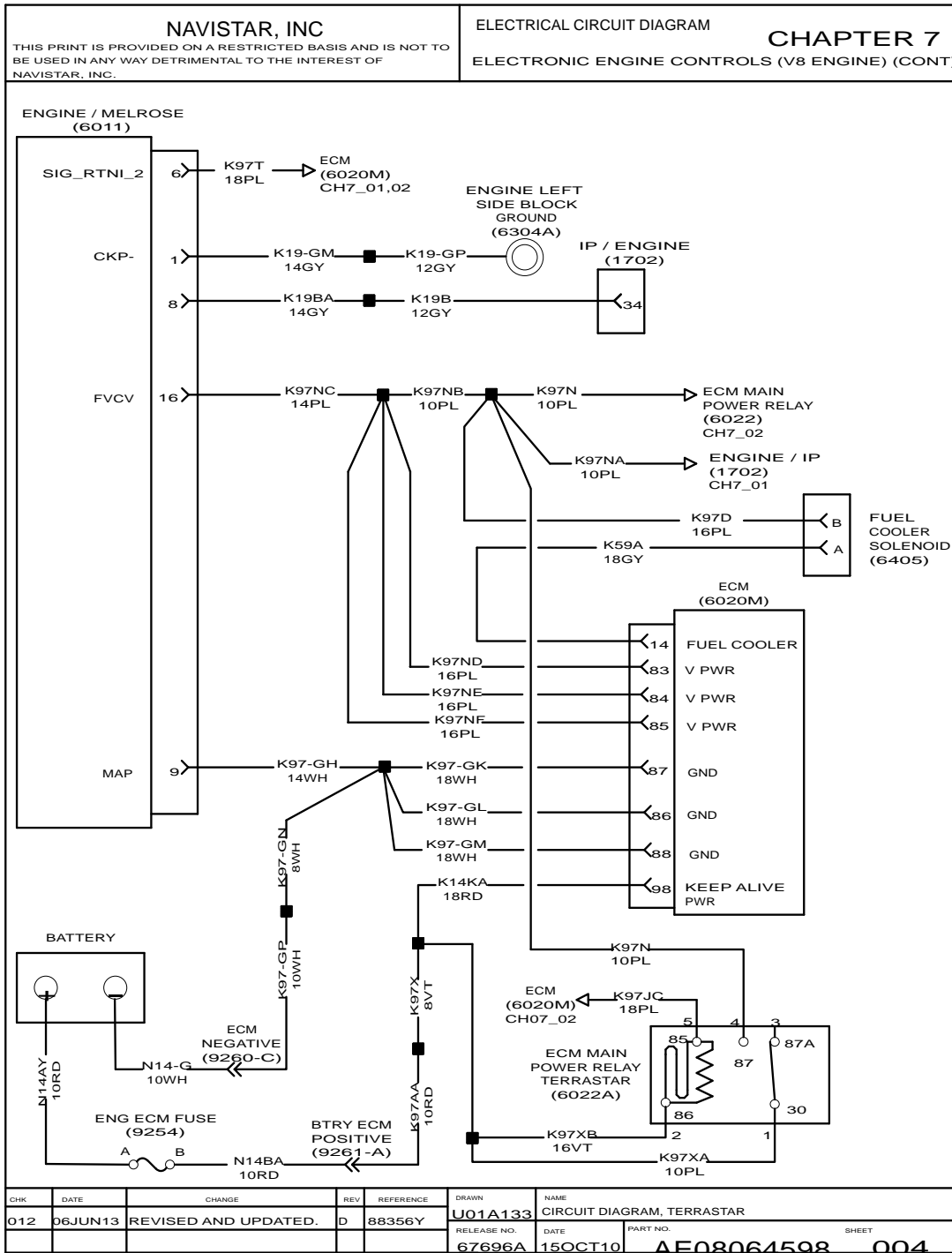


Figure 82 Electronic Engine Controls – V8 Engine (Cont.)



GAUGES WITH AND WITHOUT INTERNAL WARNING LIGHT (CHAPTER 8)

8.1. BRAKE SWITCH AND PARK BRAKE SWITCH, P. 1

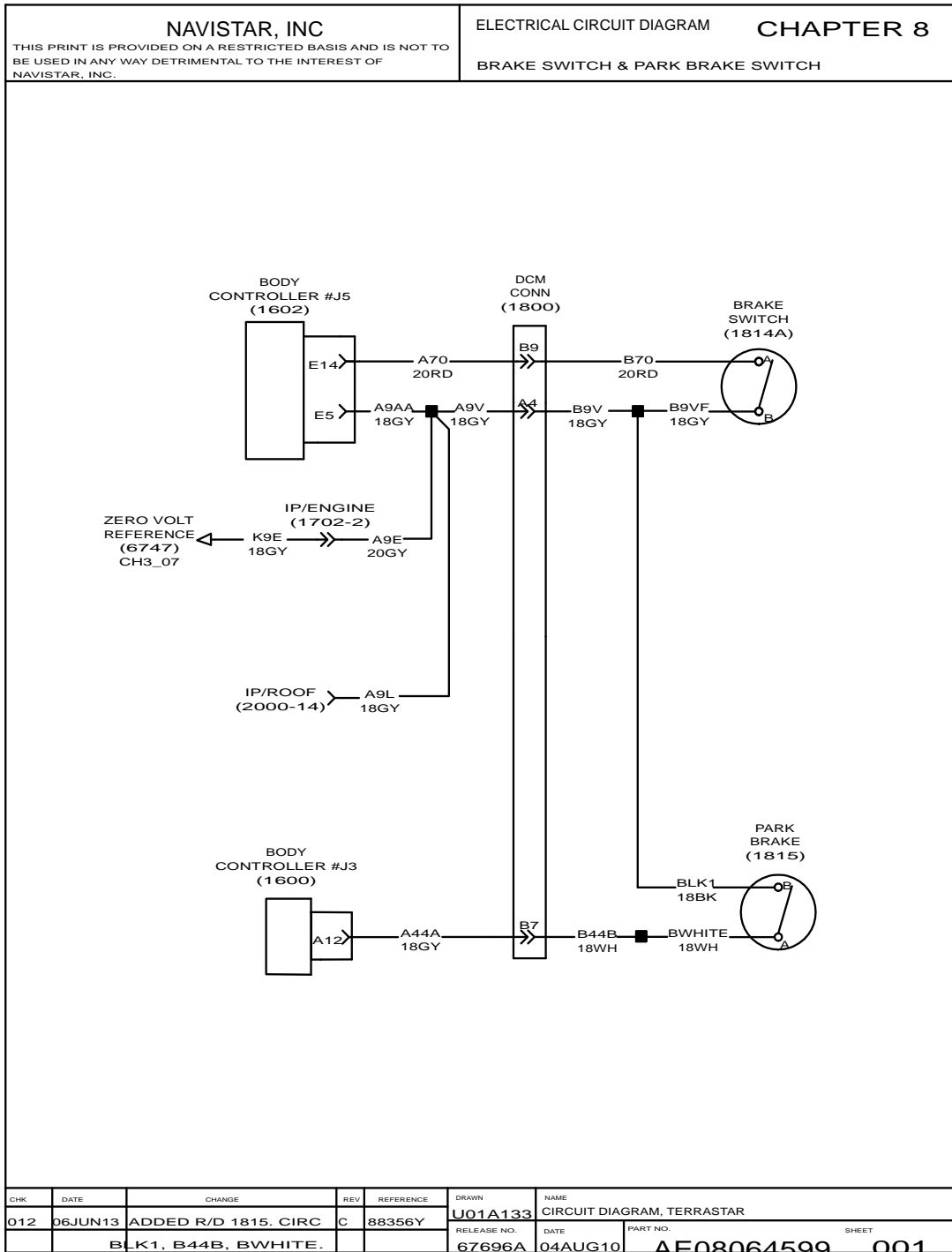


Figure 84 Brake Switch and Park Brake Switch

8.2. GAUGES AND WARNING LIGHTS – AMMETER, P. 2

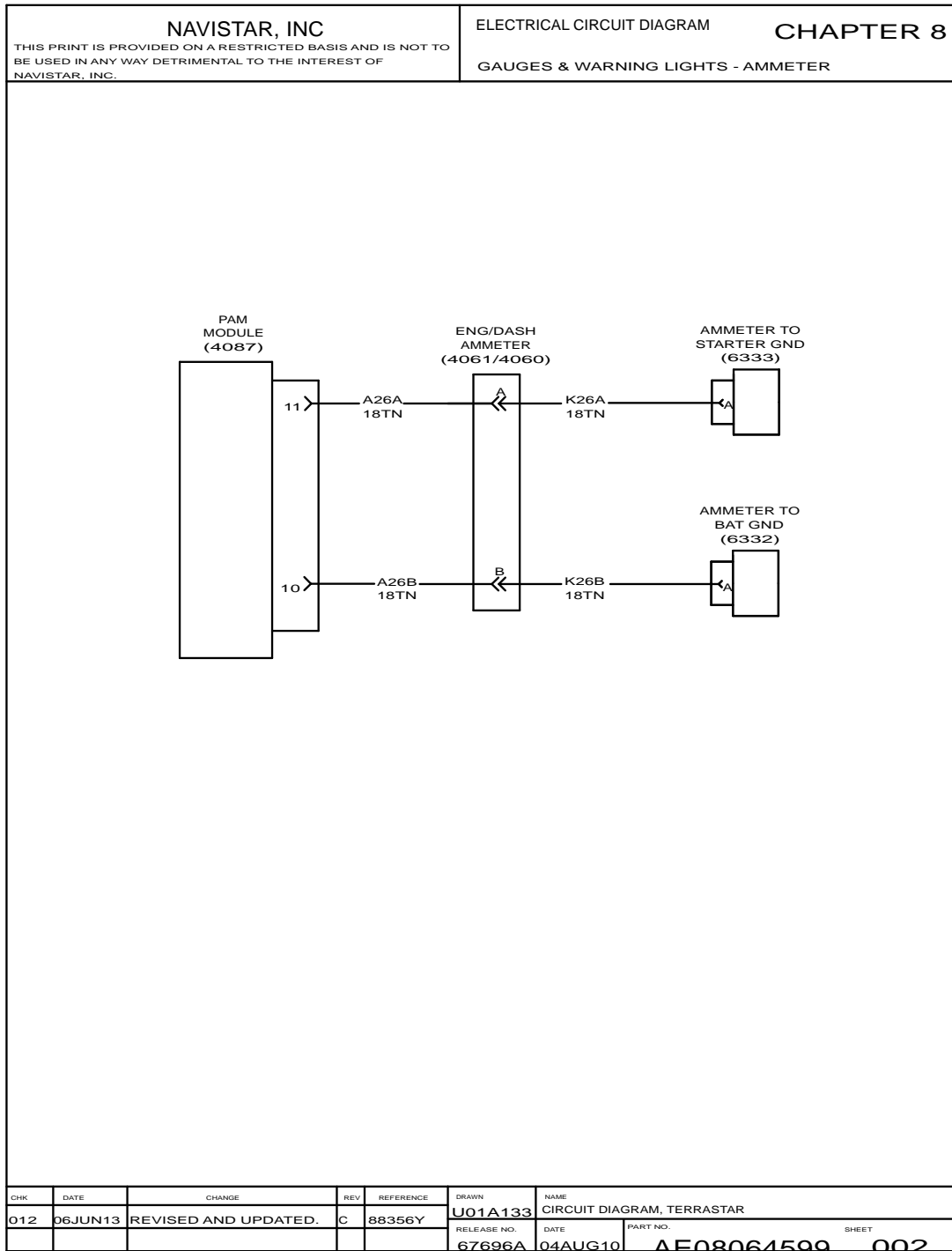


Figure 85 Gauges and Warning Lights – Ammeter

8.3. INTENTIONALLY LEFT BLANK, P. 3

<b>NAVISTAR, INC</b>				ELECTRICAL CIRCUIT DIAGRAM <b>CHAPTER 8</b>			
THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF NAVISTAR, INC.				AIR PARK BRAKE			
INTENTIONALLY LEFT BLANK							
CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME	
CNA1	25MAR11	REMOVED GEOMETRY.	B	76076F	U01A133	CIRCUIT DIAGRAM, TERRASTAR	
					RELEASE NO.	DATE	PART NO.
					67696A	04AUG10	AE08064599
							SHEET <b>003</b>

Figure 86 Intentionally Left Blank

8.4. AIR PRESSURE INPUT CIRCUIT, P. 4

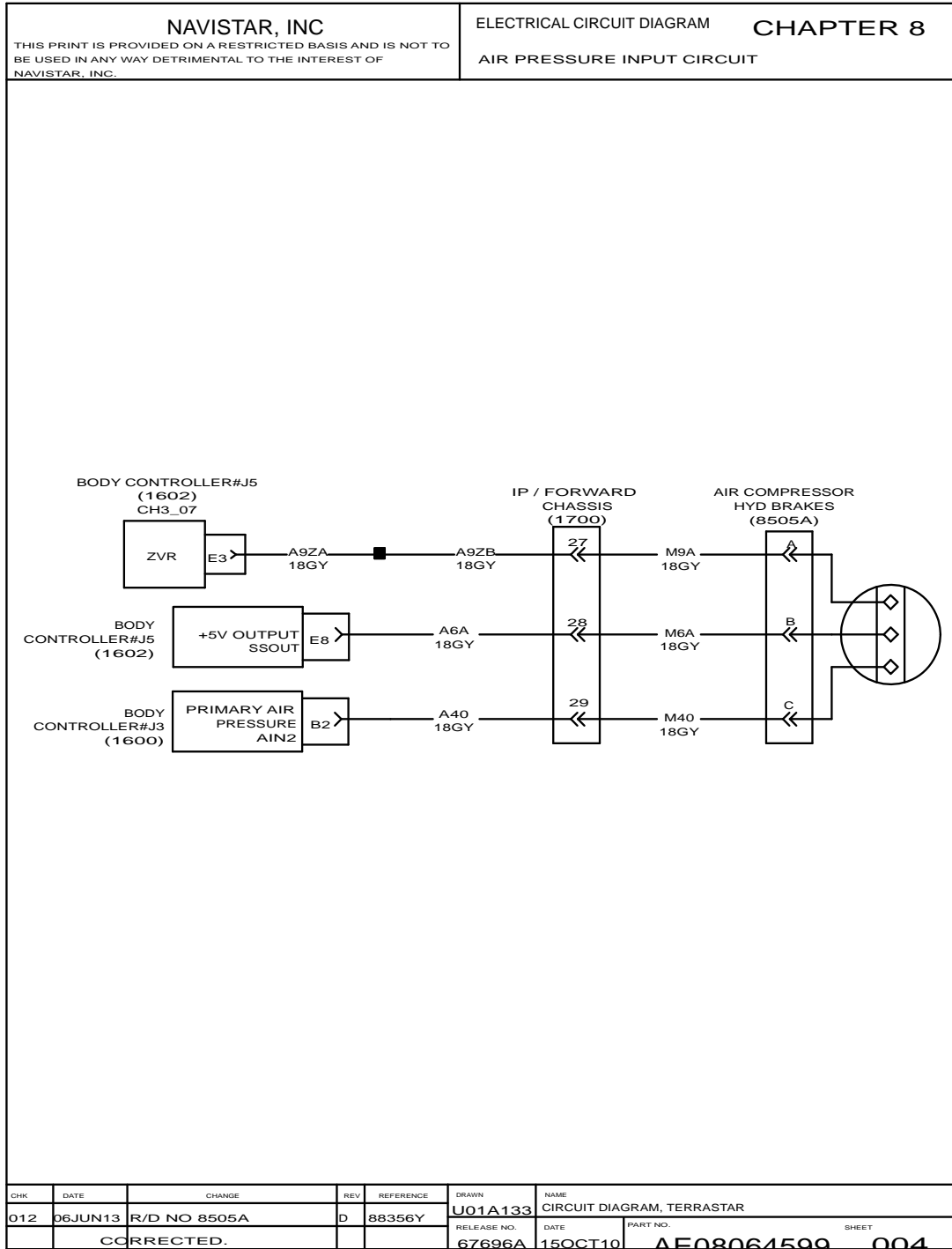


Figure 87 Air Pressure Input Circuit

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

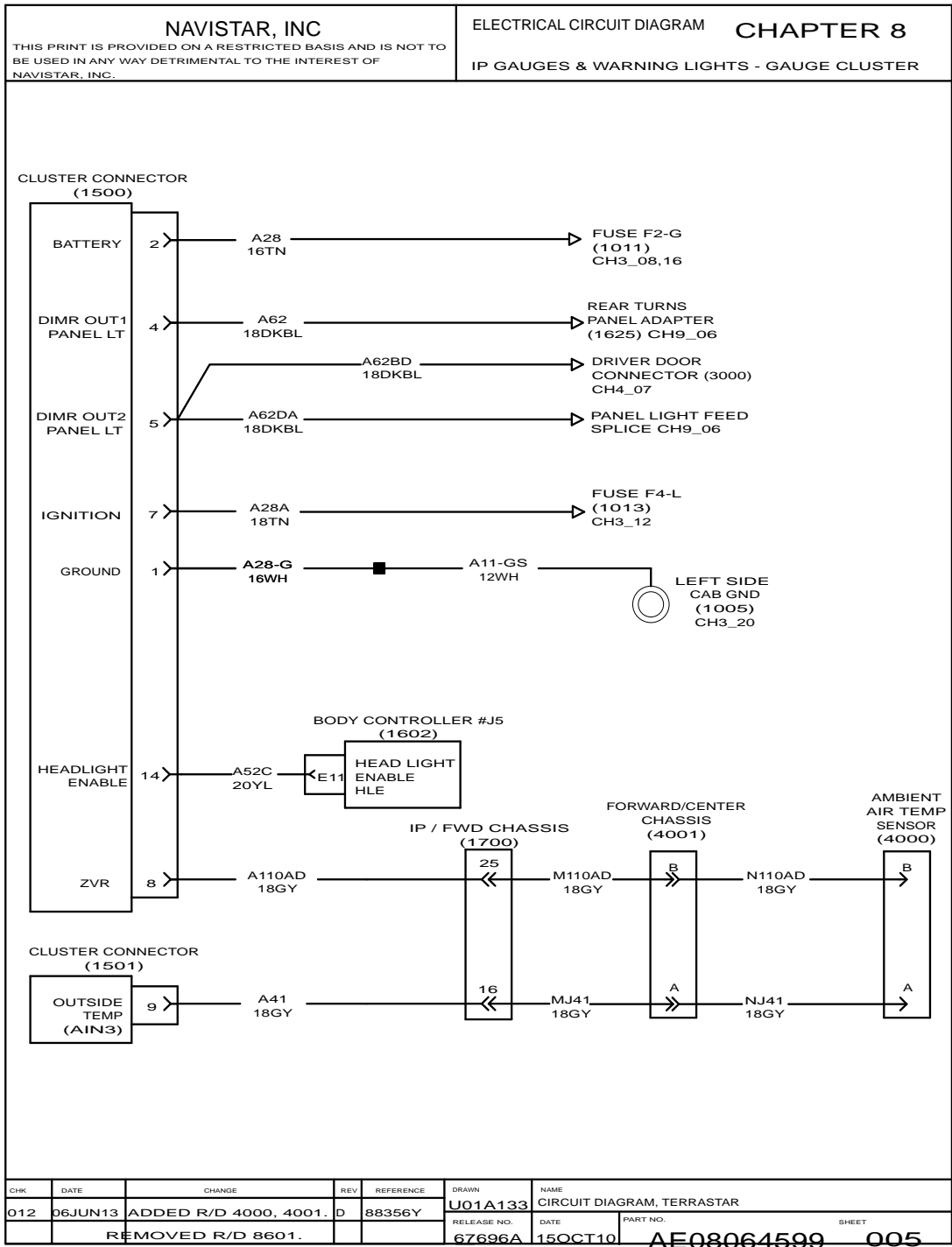


Figure 88 IP Gauges and Warning Lights – Gauge Cluster



8.6. IP / GAUGES, P. 6

<b>NAVISTAR, INC</b>				<b>ELECTRICAL CIRCUIT DIAGRAM CHAPTER 8</b>																																																							
THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF NAVISTAR, INC.				IP / GAUGES																																																							
INSTRUMENT PANEL GAUGES																																																											
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%;">GAUGE</th> <th style="width: 5%;">WARN LIGHT</th> <th style="width: 50%;">SIGNAL PATH</th> <th style="width: 30%;">SENSOR LOCATION</th> </tr> </thead> <tbody> <tr> <td>RPM (TACH)</td> <td>NO</td> <td>ENGINE CTRLR / DRIVE TRAIN J1939 / CLUSTER</td> <td>ENGINE</td> </tr> <tr> <td>MPH/KPH (SPD)</td> <td>NO</td> <td>ENGINE CTRLR / DRIVE TRAIN J1939 / CLUSTER</td> <td>TRANSMISSION</td> </tr> <tr> <td>FUEL</td> <td>YES</td> <td>SYSTEM CTRLR / DRIVE TRAIN J1939 / CLUSTER</td> <td>FUEL TANK</td> </tr> <tr> <td>VOLT</td> <td>YES</td> <td>SYSTEM CTRLR / DRIVE TRAIN J1939 / CLUSTER</td> <td>-</td> </tr> <tr> <td>AIR 1 (PRES)</td> <td>YES</td> <td>SYSTEM CTRLR / DRIVE TRAIN J1939 / CLUSTER</td> <td>INSIDE CAB-DASH PNL</td> </tr> <tr> <td>AIR 2 (PRES)</td> <td>YES</td> <td>SYSTEM CTRLR / DRIVE TRAIN J1939 / CLUSTER</td> <td>STEERING COL AREA</td> </tr> <tr> <td>WATER (TEMP)</td> <td>YES</td> <td>ENGINE CTRLR / DRIVE TRAIN J1939 / CLUSTER</td> <td>ENGINE</td> </tr> <tr> <td>ENG OIL (TEMP)</td> <td>YES</td> <td>ENGINE CTRLR / DRIVE TRAIN J1939 / CLUSTER</td> <td>ENGINE</td> </tr> <tr> <td>OIL (PRES)</td> <td>YES</td> <td>ENGINE CTRLR / DRIVE TRAIN J1939 / CLUSTER</td> <td>ENGINE</td> </tr> <tr> <td>TRANS (TEMP)</td> <td>YES</td> <td>SYSTEM CTRLR / DRIVE TRAIN J1939 / CLUSTER</td> <td>TRANSMISSION</td> </tr> <tr> <td>AIR APPLICATION</td> <td>NO</td> <td>SYSTEM CTRLR / DRIVE TRAIN J1939 / CLUSTER</td> <td>FWD CHASSIS</td> </tr> <tr> <td>REAR AXLE TEMP</td> <td>YES</td> <td>SYSTEM CTRLR / DRIVE TRAIN J1939 / CLUSTER</td> <td>AXLE</td> </tr> </tbody> </table>								GAUGE	WARN LIGHT	SIGNAL PATH	SENSOR LOCATION	RPM (TACH)	NO	ENGINE CTRLR / DRIVE TRAIN J1939 / CLUSTER	ENGINE	MPH/KPH (SPD)	NO	ENGINE CTRLR / DRIVE TRAIN J1939 / CLUSTER	TRANSMISSION	FUEL	YES	SYSTEM CTRLR / DRIVE TRAIN J1939 / CLUSTER	FUEL TANK	VOLT	YES	SYSTEM CTRLR / DRIVE TRAIN J1939 / CLUSTER	-	AIR 1 (PRES)	YES	SYSTEM CTRLR / DRIVE TRAIN J1939 / CLUSTER	INSIDE CAB-DASH PNL	AIR 2 (PRES)	YES	SYSTEM CTRLR / DRIVE TRAIN J1939 / CLUSTER	STEERING COL AREA	WATER (TEMP)	YES	ENGINE CTRLR / DRIVE TRAIN J1939 / CLUSTER	ENGINE	ENG OIL (TEMP)	YES	ENGINE CTRLR / DRIVE TRAIN J1939 / CLUSTER	ENGINE	OIL (PRES)	YES	ENGINE CTRLR / DRIVE TRAIN J1939 / CLUSTER	ENGINE	TRANS (TEMP)	YES	SYSTEM CTRLR / DRIVE TRAIN J1939 / CLUSTER	TRANSMISSION	AIR APPLICATION	NO	SYSTEM CTRLR / DRIVE TRAIN J1939 / CLUSTER	FWD CHASSIS	REAR AXLE TEMP	YES	SYSTEM CTRLR / DRIVE TRAIN J1939 / CLUSTER	AXLE
GAUGE	WARN LIGHT	SIGNAL PATH	SENSOR LOCATION																																																								
RPM (TACH)	NO	ENGINE CTRLR / DRIVE TRAIN J1939 / CLUSTER	ENGINE																																																								
MPH/KPH (SPD)	NO	ENGINE CTRLR / DRIVE TRAIN J1939 / CLUSTER	TRANSMISSION																																																								
FUEL	YES	SYSTEM CTRLR / DRIVE TRAIN J1939 / CLUSTER	FUEL TANK																																																								
VOLT	YES	SYSTEM CTRLR / DRIVE TRAIN J1939 / CLUSTER	-																																																								
AIR 1 (PRES)	YES	SYSTEM CTRLR / DRIVE TRAIN J1939 / CLUSTER	INSIDE CAB-DASH PNL																																																								
AIR 2 (PRES)	YES	SYSTEM CTRLR / DRIVE TRAIN J1939 / CLUSTER	STEERING COL AREA																																																								
WATER (TEMP)	YES	ENGINE CTRLR / DRIVE TRAIN J1939 / CLUSTER	ENGINE																																																								
ENG OIL (TEMP)	YES	ENGINE CTRLR / DRIVE TRAIN J1939 / CLUSTER	ENGINE																																																								
OIL (PRES)	YES	ENGINE CTRLR / DRIVE TRAIN J1939 / CLUSTER	ENGINE																																																								
TRANS (TEMP)	YES	SYSTEM CTRLR / DRIVE TRAIN J1939 / CLUSTER	TRANSMISSION																																																								
AIR APPLICATION	NO	SYSTEM CTRLR / DRIVE TRAIN J1939 / CLUSTER	FWD CHASSIS																																																								
REAR AXLE TEMP	YES	SYSTEM CTRLR / DRIVE TRAIN J1939 / CLUSTER	AXLE																																																								
<p>NOTES:</p> <p>1. WARNING LIGHTS ARE PART OF THE GAUGES AND ARE LOCATED IN THE GAUGE</p>																																																											
CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME																																																					
CNA1	26JUL11	INITIAL RELEASE.	A	80257V	U00KDD2	CIRCUIT DIAGRAM, TERRASTAR																																																					
					RELEASE NO.	DATE	PART NO.	SHEET																																																			
					80257V	24JUN11	AE08064599	006																																																			

Figure 89 IP / Gauges

8.7. WARNING LIGHTS LIST, P. 7

NAVISTAR, INC				ELECTRICAL CIRCUIT DIAGRAM			
THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF NAVISTAR, INC.				CHAPTER 8			
				WARNING LIGHTS LIST			
<b>IP WARNING LIGHTS</b>							
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	
CNA1	26JUL11	INITIAL RELEASE.	A	80257V	U00KDD2	CIRCUIT DIAGRAM, TERRASTAR	
					RELEASE NO.	DATE	PART NO.
					80257V	24JUN11	AE08064599
							SHEET 007

Figure 90 Warning Lights List

**8.8. WARNING LIGHTS CONTROLLING BY ENGINE, TRANSMISSION, ABS CONTROLLER, P. 8**

<p><b>NAVISTAR, INC</b></p> <p><small>THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF NAVISTAR, INC.</small></p>	<p><b>ELECTRICAL CIRCUIT DIAGRAM CHAPTER 8</b></p> <p><b>WARNING LIGHTS CONTROLLED BY ENGINE, TRANSMISSION, ABS CONTROLLER</b></p>					
<p>THE FOLLOWING WARNING LIGHTS ARE CONTROLLED BY THE ENGINE, TRANSMISSION, OR ABS CONTROLLER OVER THE DATA BUS AND DO NOT HAVE INDEPENDENT CIRCUITS THAT CAN BE OR NEEDS TO BE SHOWN:</p> <p>DO NOT SHIFT</p> <p>ENGINE (YELLOW LENS)</p> <p>ENGINE (RED LENS)</p> <p>TRAC CTRL</p> <p>CHECK TRANS</p> <p>TRAILER ABS</p> <p>CHECK ELECTR SYS</p> <p>ABS</p> <p>WAIT TO START</p> <p>RETARD OVERHEAT</p> <p>AUTO NEUTRAL</p> <p>OPTIMIZED IDLE</p>						
<small>CHK</small>	<small>DATE</small>	<small>CHANGE</small>	<small>REV</small>	<small>REFERENCE</small>	<small>DRAWN</small>	<small>NAME</small>
CNA1	26JUL11	INITIAL RELEASE.	A	80257V	U00KDD2	CIRCUIT DIAGRAM, TERRASTAR
					<small>RELEASE NO.</small>	<small>DATE</small>
					80257V	24JUN11
						<small>PART NO.</small>
						AE08064599
						<small>SHEET</small>
						008

**Figure 91 Warning Lights Controlling by Engine, Transmission, ABS Controller**

**8.9. ENGINE OIL PRESS & TEMP, SPEEDOMETER, TACH, VOLTMETER & WATER TEMP GAUGE CIRCUITS, P. 9**

<p><b>NAVISTAR, INC</b></p> <p>THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF NAVISTAR, INC.</p>				<p><b>ELECTRICAL CIRCUIT DIAGRAM CHAPTER 8</b></p> <p>ENG OIL PRESS &amp; TEMP, SPEEDOMETER, TACH, VOLTMETER &amp; WATER TEMP GAUGE CIRCUITS</p>			
<p>REFER TO CONSOLIDATED ENGINE / VEHICLE CONTROLLER DIAGNOSTICS MANUAL EGES-175 (DT466E), EGES-190 (T444E), FOR CIRCUIT DIAGRAMS SHOWING INPUT CIRCUIT FOR THE FOLLOWING DATALINK DRIVEN SYSTEM:</p> <p>ENGINE OIL PRESSURE GAUGE</p> <p>ENGINE OIL TEMPERATURE GAUGE</p> <p>SPEEDOMETER GAUGE</p> <p>TACHOMETER GAUGE</p> <p>WATER TEMPERATURE GAUGE</p>							
CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME	
CNA1	26JUL11	INITIAL RELEASE.	A	80257V	U00KDD2	CIRCUIT DIAGRAM, TERRASTAR	
					RELEASE NO.	DATE	
					80257V	21JUL11	
						PART NO.	
						AE08064599	
						SHEET	
						009	

**Figure 92 Engine Oil Press & Temp, Speedometer, Tach, Voltmeter & Water Temp Gauge Circuits**

8.10. FUEL GAUGE CIRCUITRY (SINGLE TANK AND DUAL TANK), P. 10

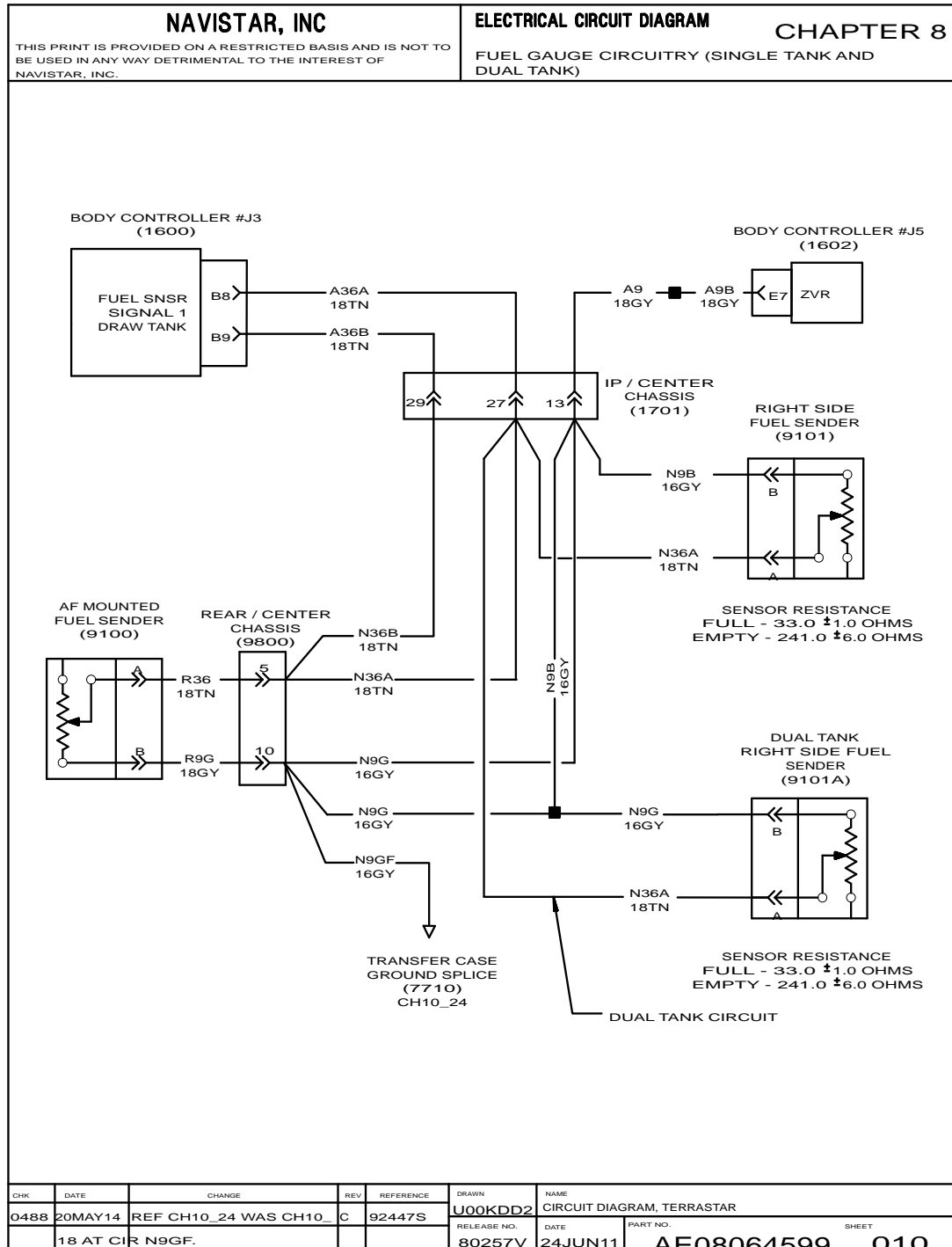


Figure 93 Fuel Gauge Circuitry (Single Tank and Dual Tank)

# LIGHTS (CHAPTER 9)

## 9.1. BACK-UP – WITH ALLISON TRANSMISSION, P. 1

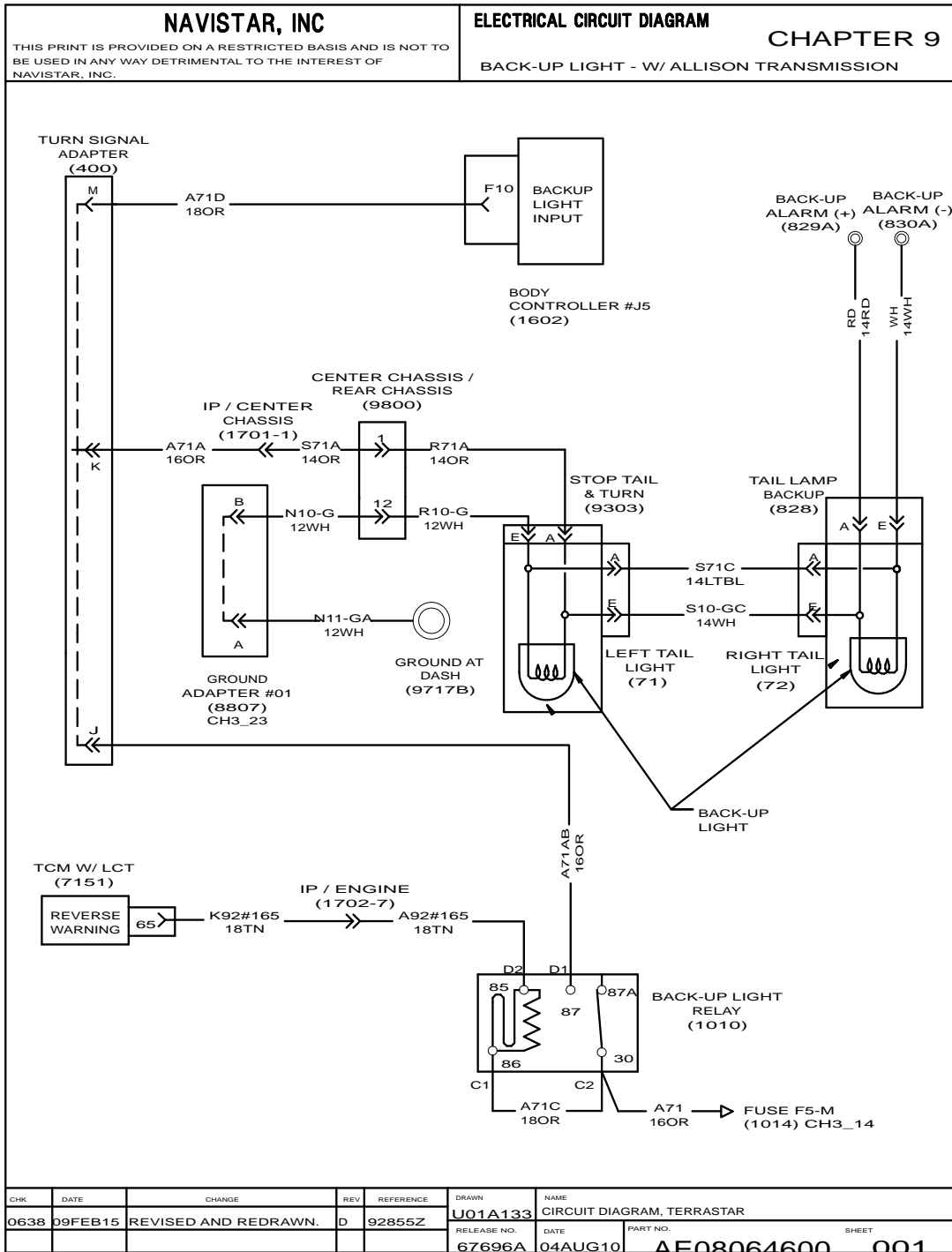


Figure 94 Back-Up – with Allison Transmission

9.2. LIGHT SYSTEM – CLEARANCE, MARKER, PARK, TAIL, TURN & STOP LIGHTS, P. 2

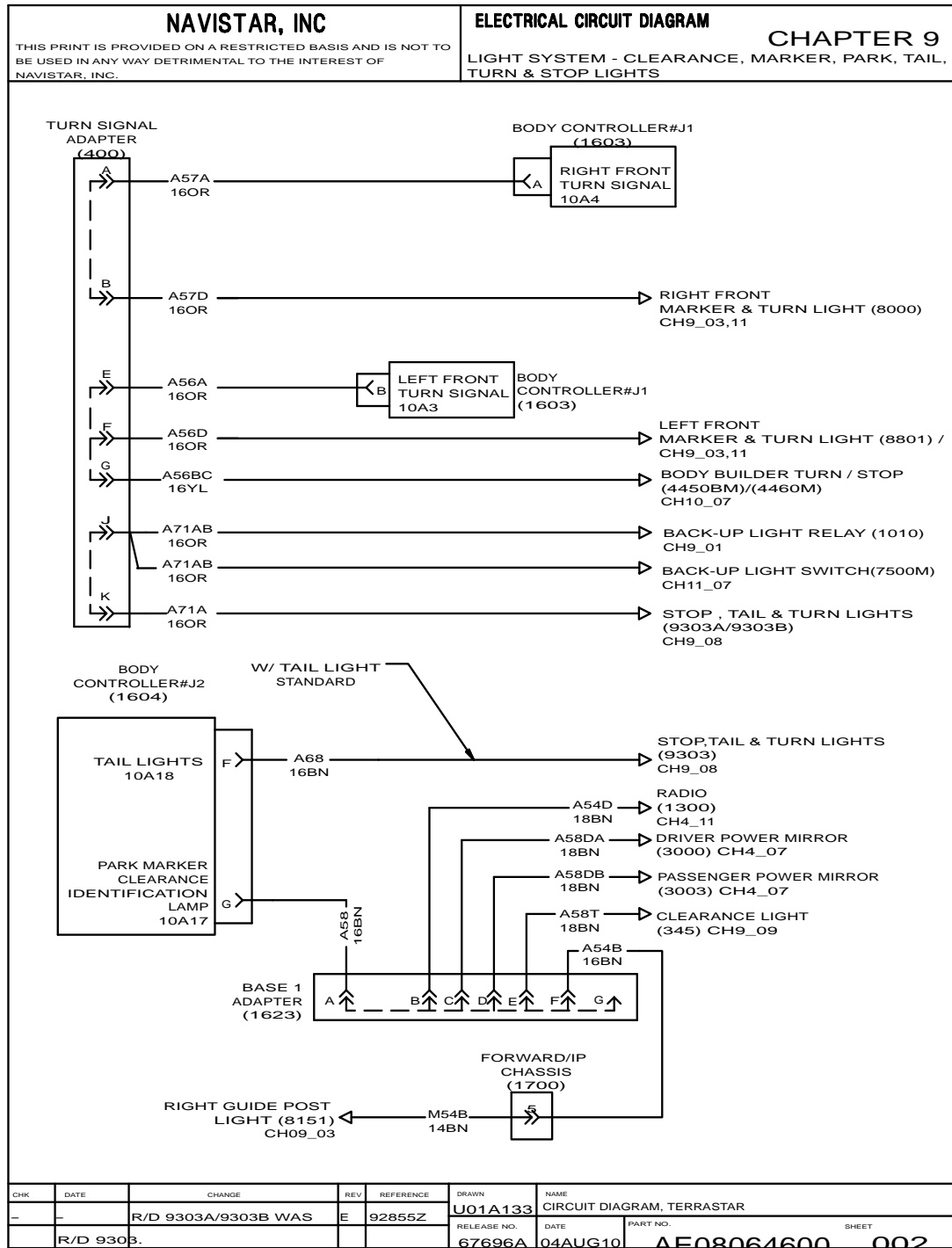


Figure 95 Light System – Clearance, Marker, Park, Tail, Turn & Stop Lights

9.3. LIGHT SYSTEM – CLEARANCE, MARKER, PARK, TAIL, TURN & STOP LIGHTS (CONT.), P. 3

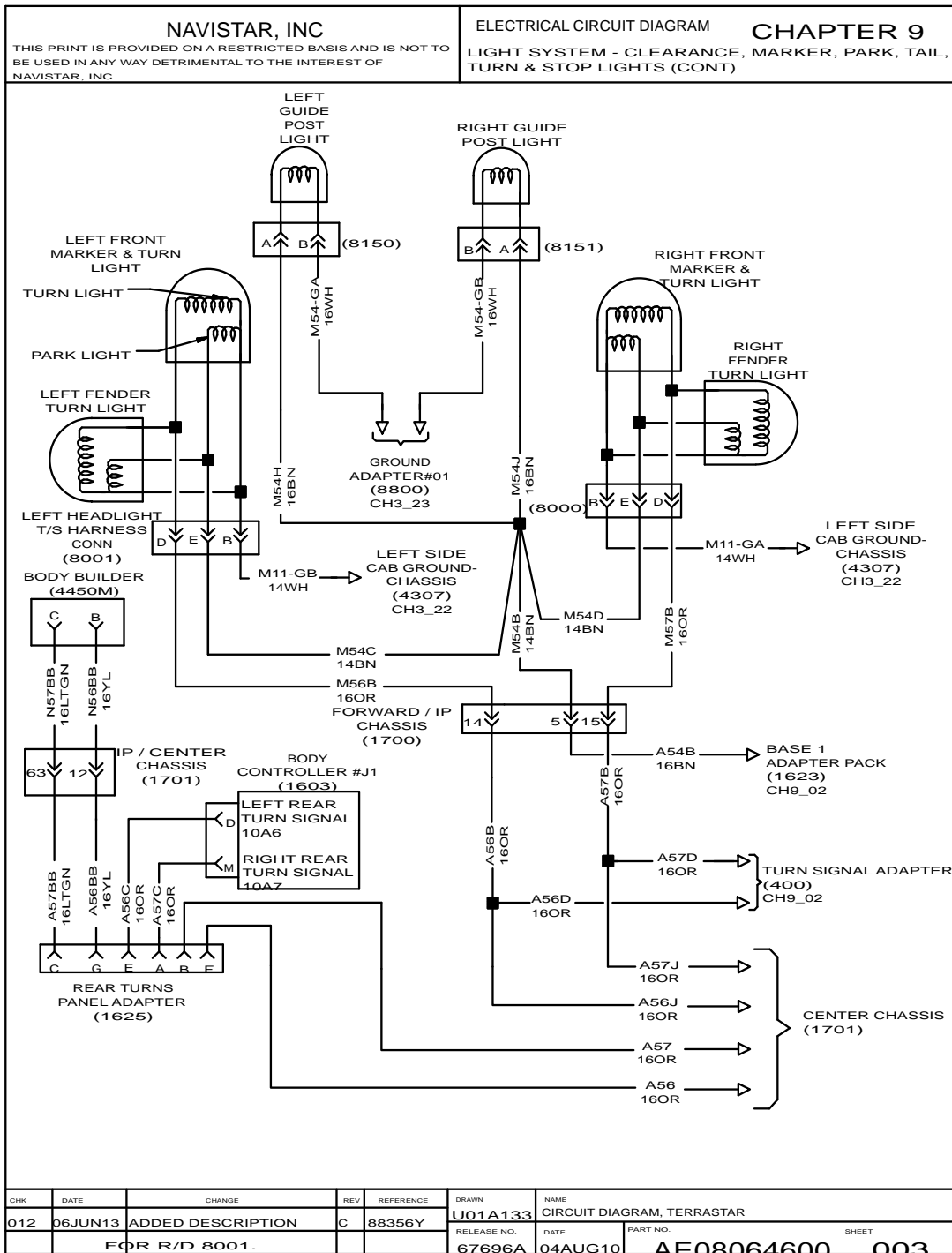
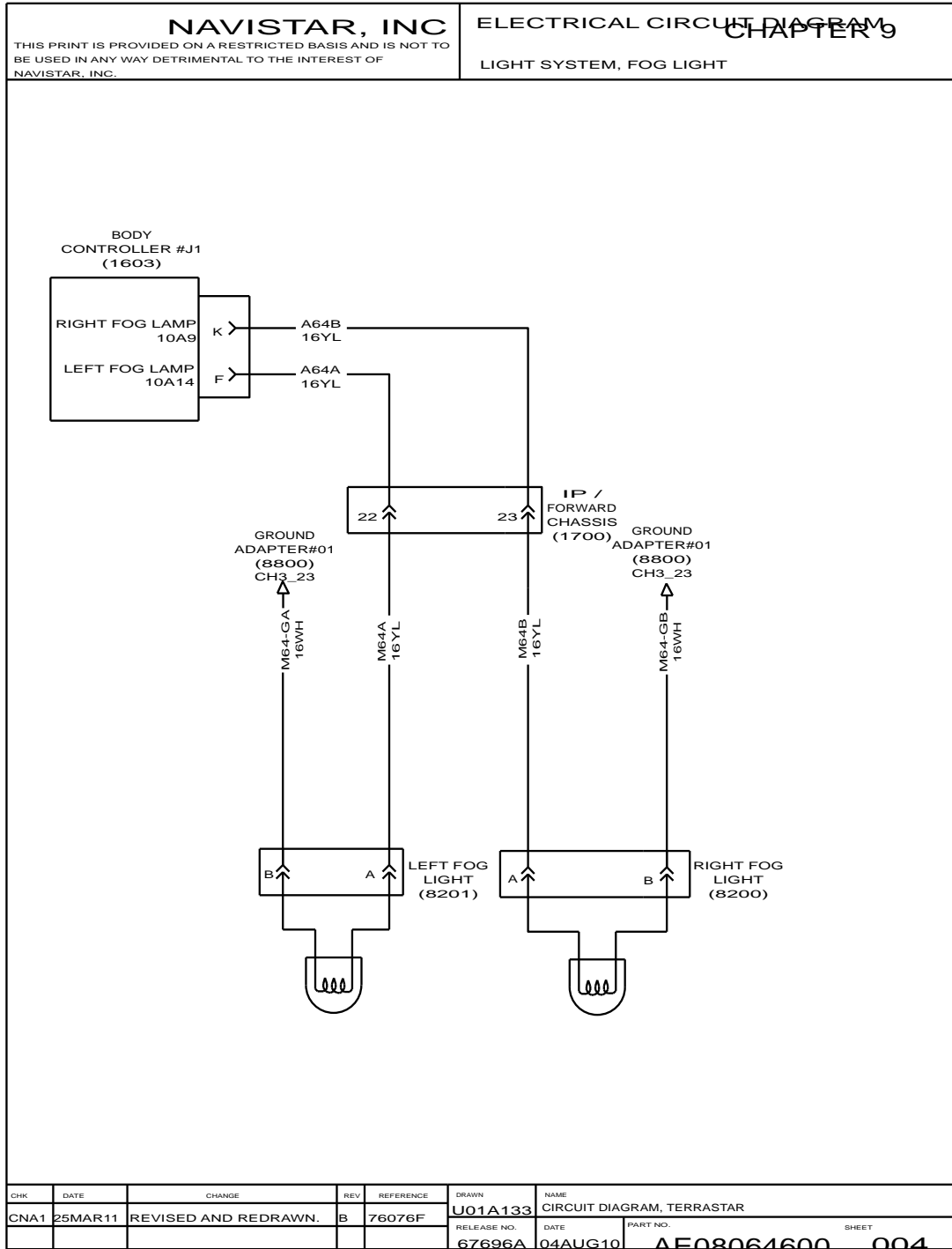


Figure 96 Light System – Clearance, Marker, Park, Tail, Turn & Stop Lights (Cont.)



9.4. LIGHT SYSTEM, FOG LIGHT, P. 4



9.5. HEADLIGHTS, P. 5

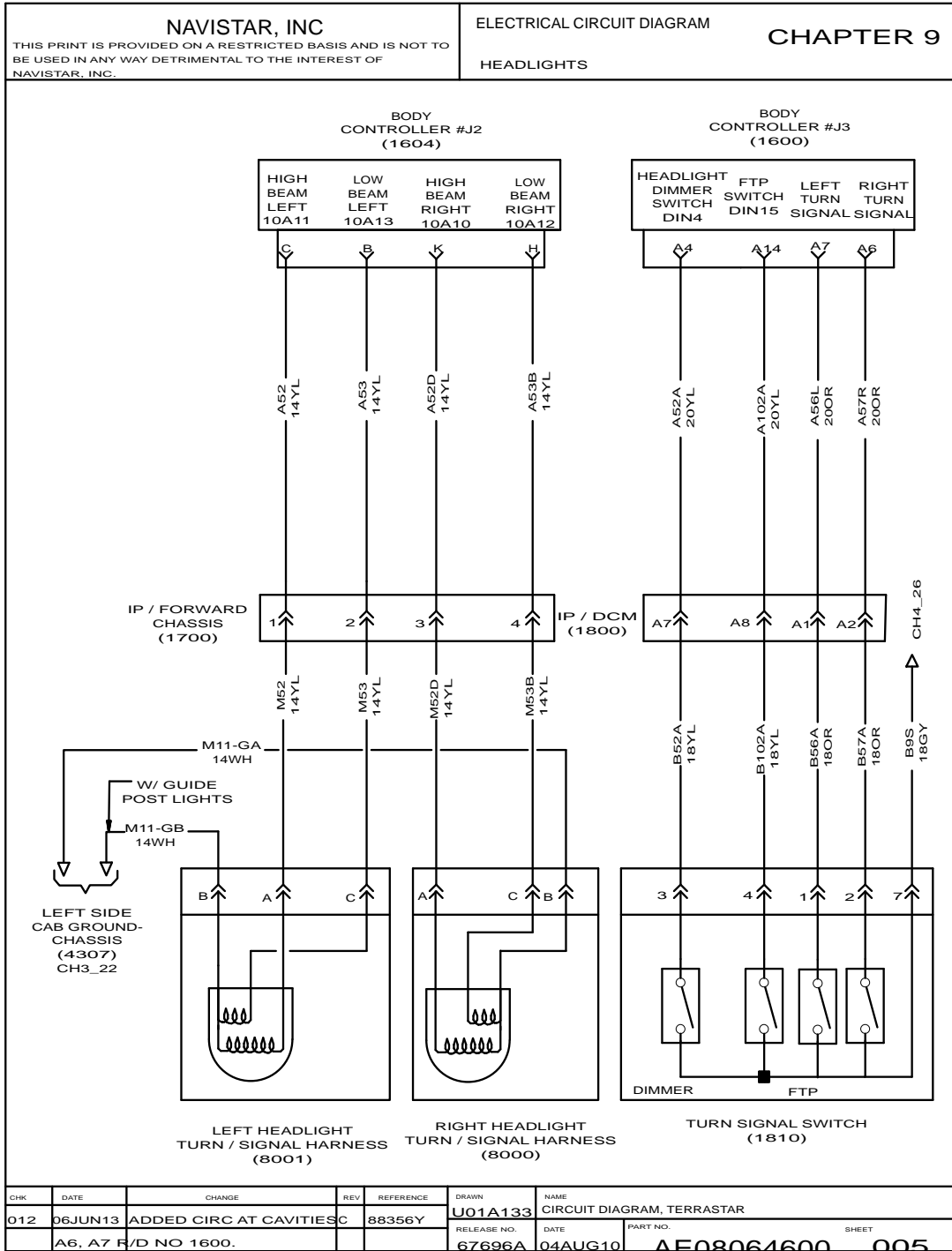


Figure 98 Headlights

9.6. PANEL LIGHTS, P. 6

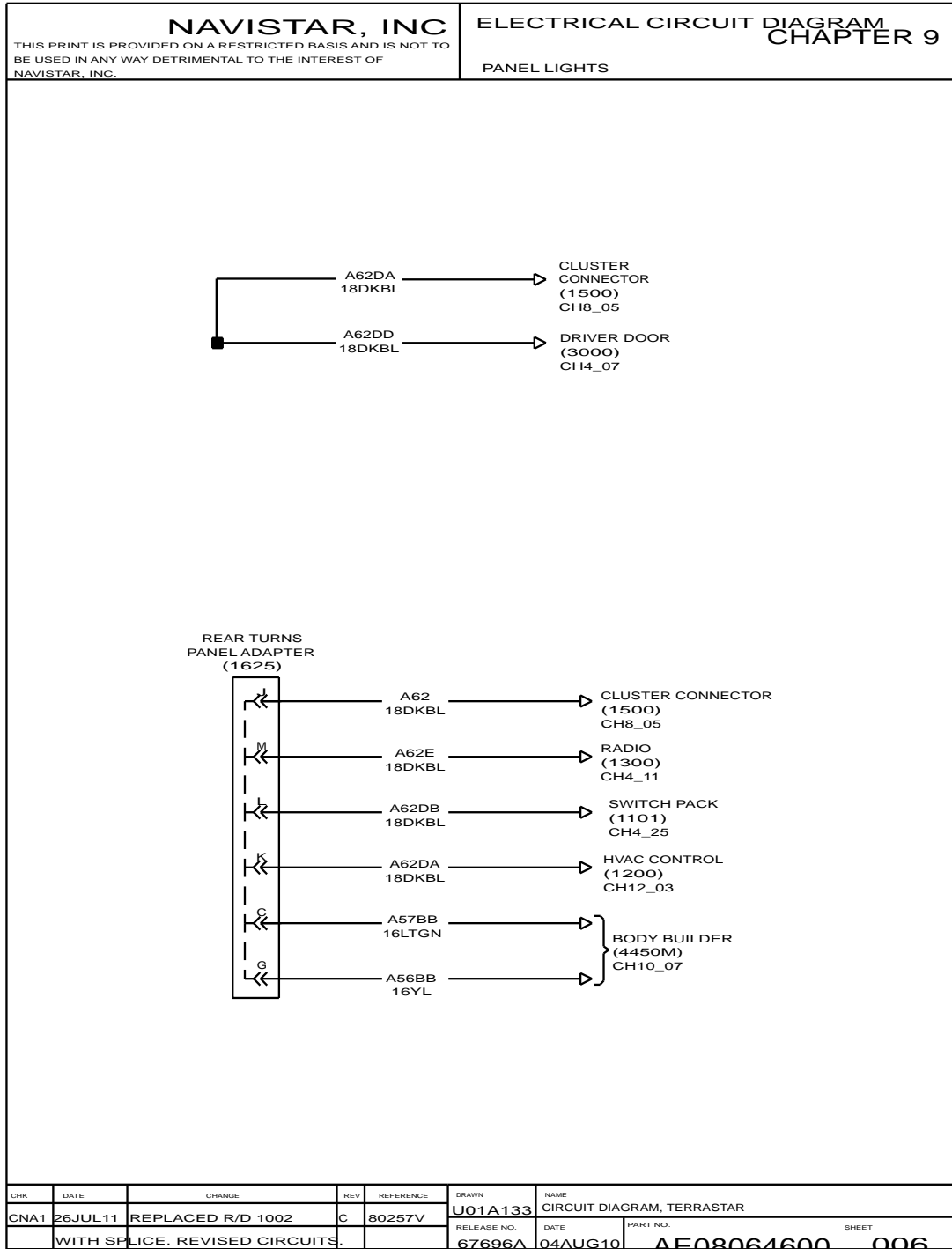


Figure 99 Panel Lights

9.7. INTENTIONALLY LEFT BLANK, P. 7

<p><b>NAVISTAR, INC</b>  <small>THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF NAVISTAR, INC.</small></p>				<p><b>ELECTRICAL CIRCUIT DIAGRAM</b>  <b>CHAPTER 9</b>                  LIGHT SYSTEM, WORK LIGHT</p>			
INTENTIONALLY LEFT BLANK							
CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME	
CNA1	25MAR11	REMOVED GEOMETRY.	B	76076F	U01A133	CIRCUIT DIAGRAM, TERRASTAR	
					RELEASE NO.	DATE	PART NO. SHEET
					67696A	15OCT10	AE08064600 007

Figure 100 Intentionally Left Blank

9.8. LIGHT SYSTEM – CLEARANCE, MARKER, PARK, TAIL, TURN & STOP LIGHTS (CONT.), P. 8

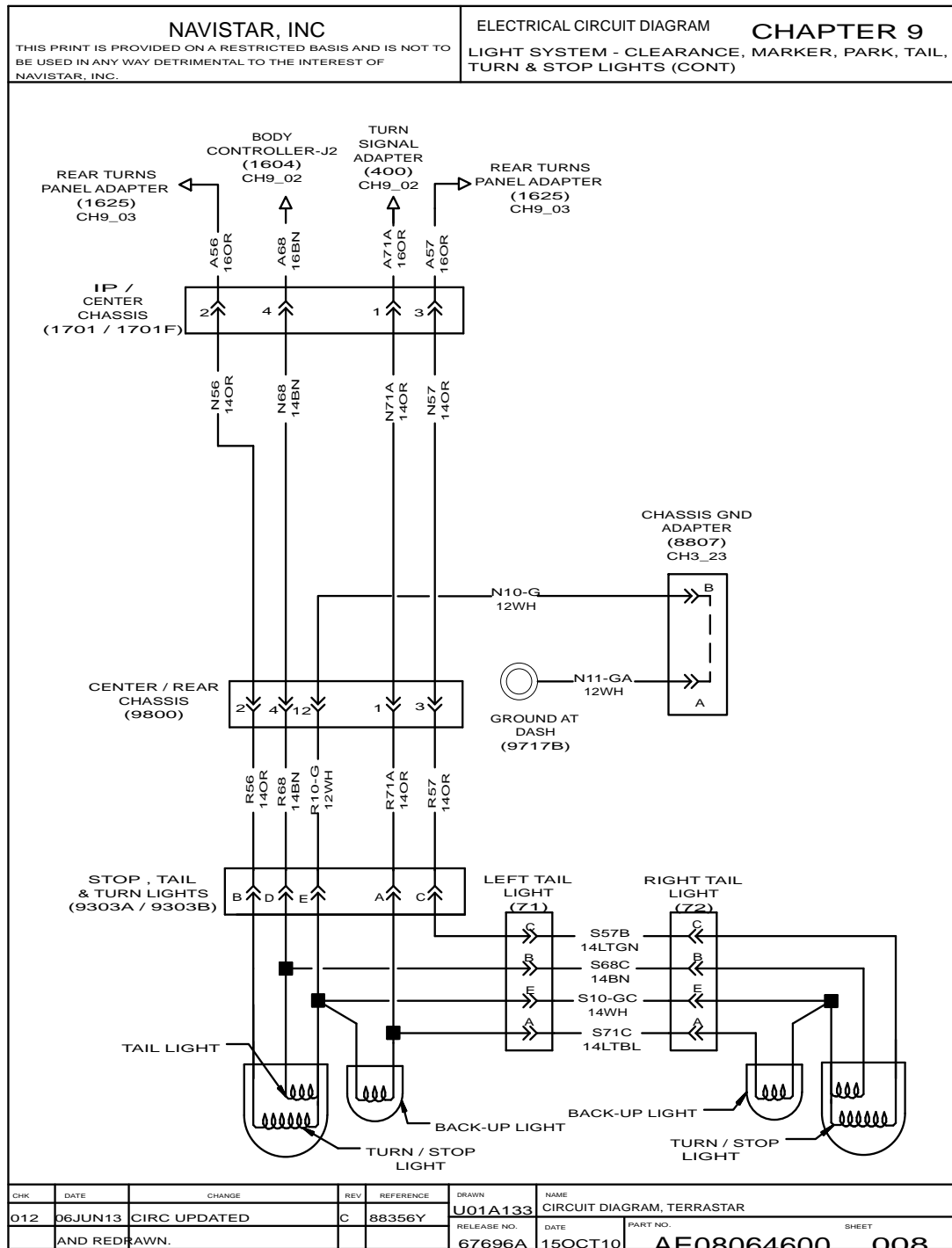


Figure 101 Light System – Clearance, Marker, Park, Tail, Turn & Stop Lights (Cont.)

9.9. LIGHT SYSTEM – CLEARANCE, MARKER, PARK, TAIL, TURN & STOP LIGHTS (CONT.), P. 9

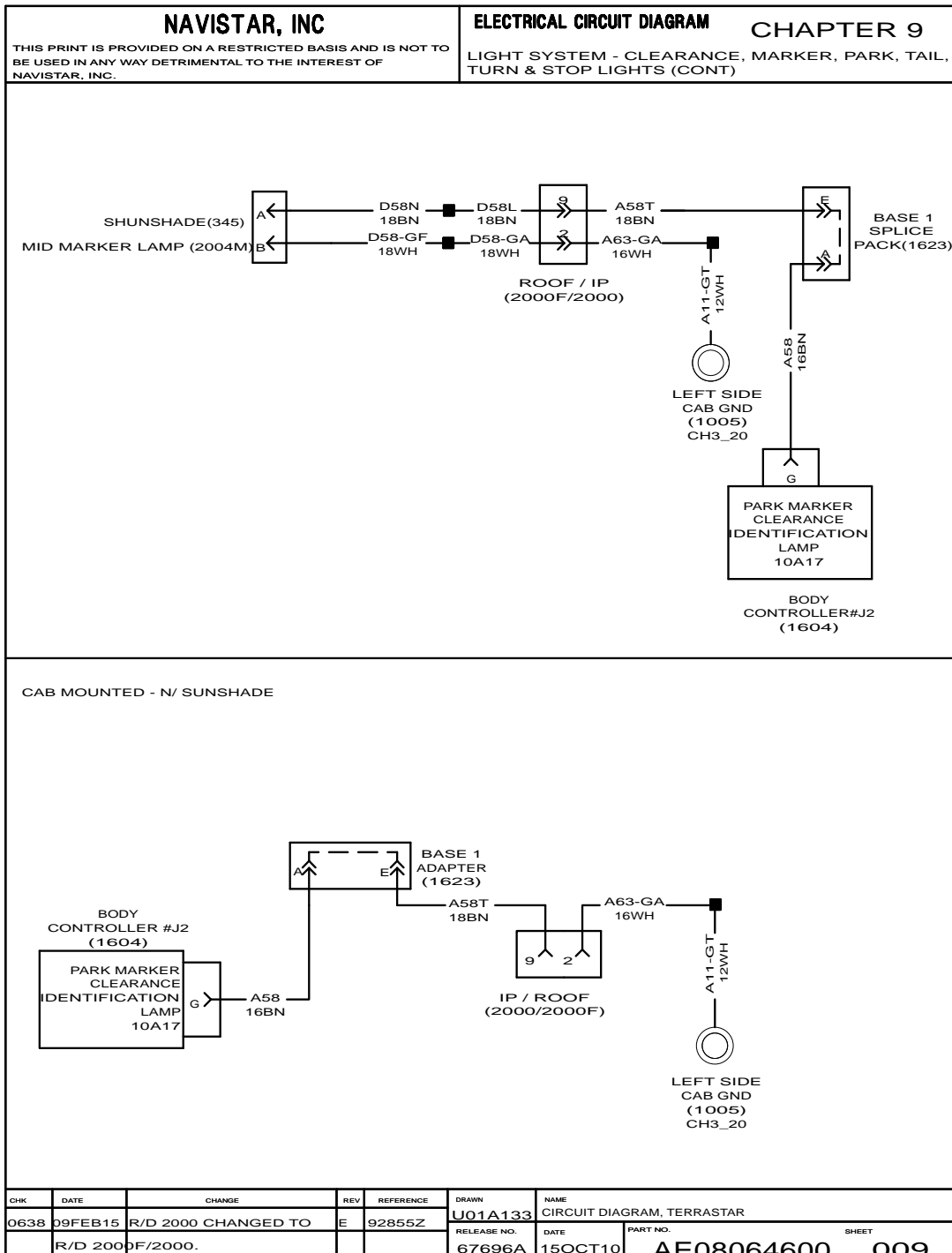


Figure 102 Light System – Clearance, Marker, Park, Tail, Turn & Stop Lights (Cont.)

9.10. AUX HEADLIGHTS, SNOWPLOW LIGHTS, P. 10

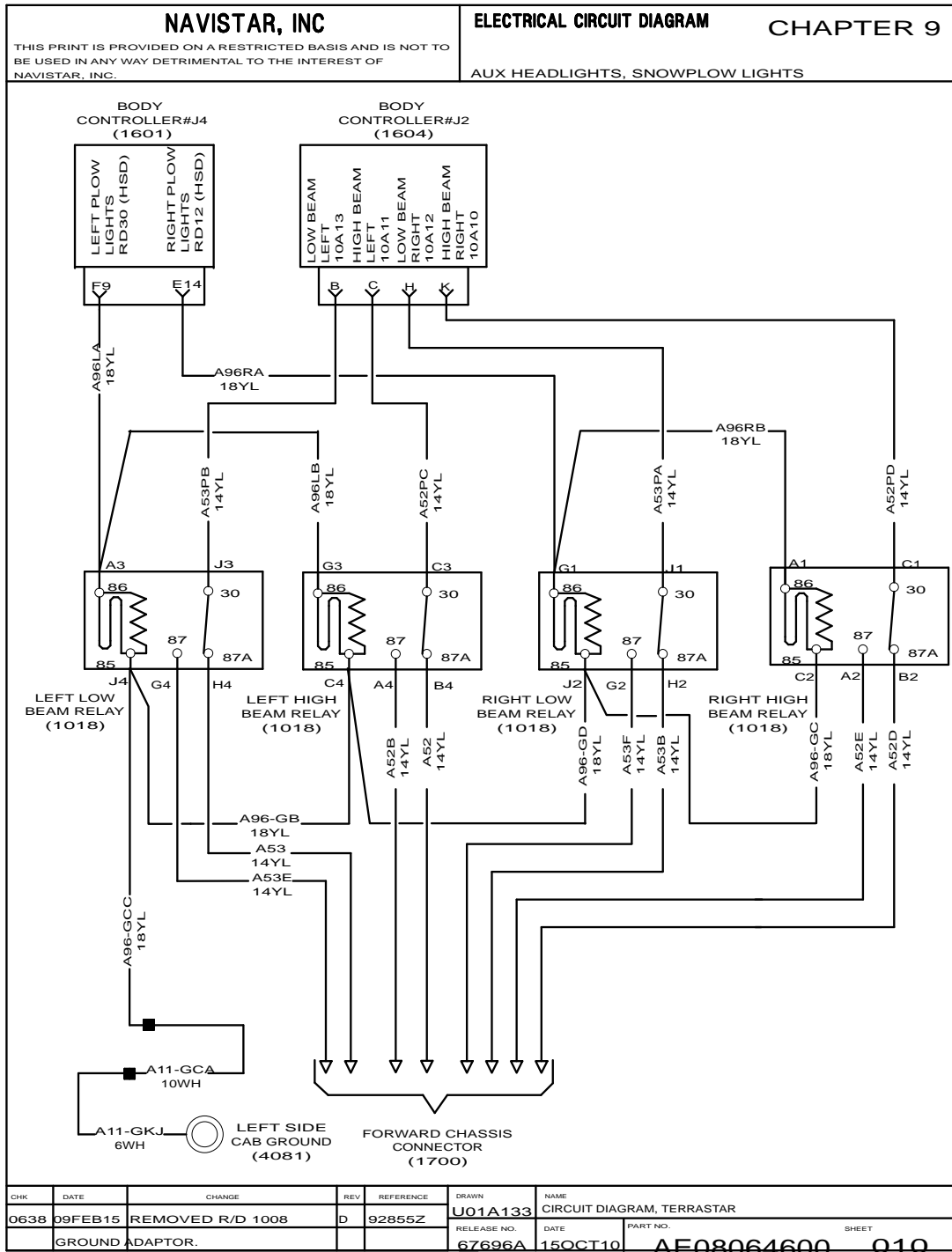


Figure 103 Aux Headlights, Snowplow Lights

9.11. AUX HEADLIGHTS, SNOWPLOW LIGHTS (CONT.), P. 11

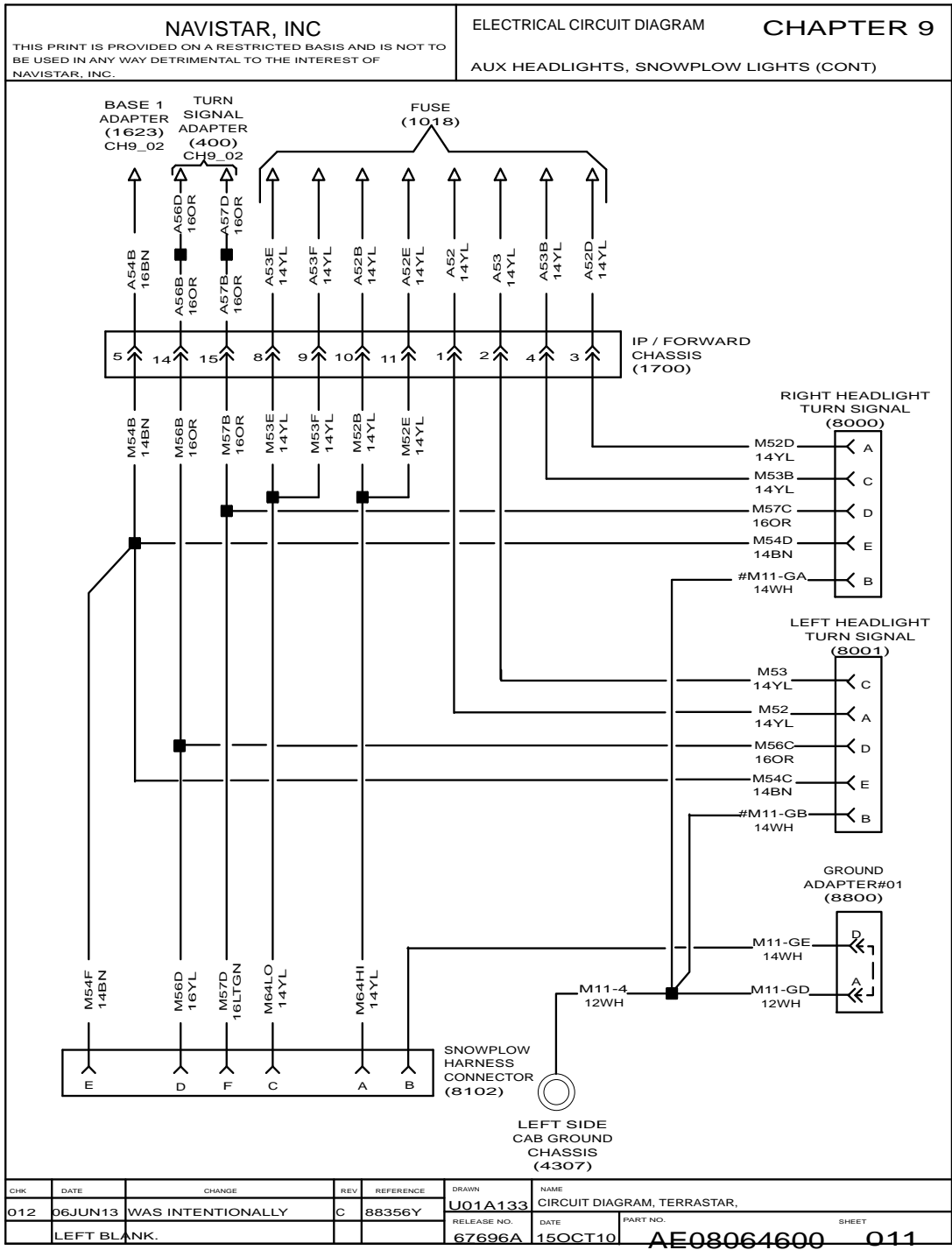


Figure 104 Aux Headlights, Snowplow Lights (Cont.)



9.12. DOME LIGHT SYSTEM, P. 12

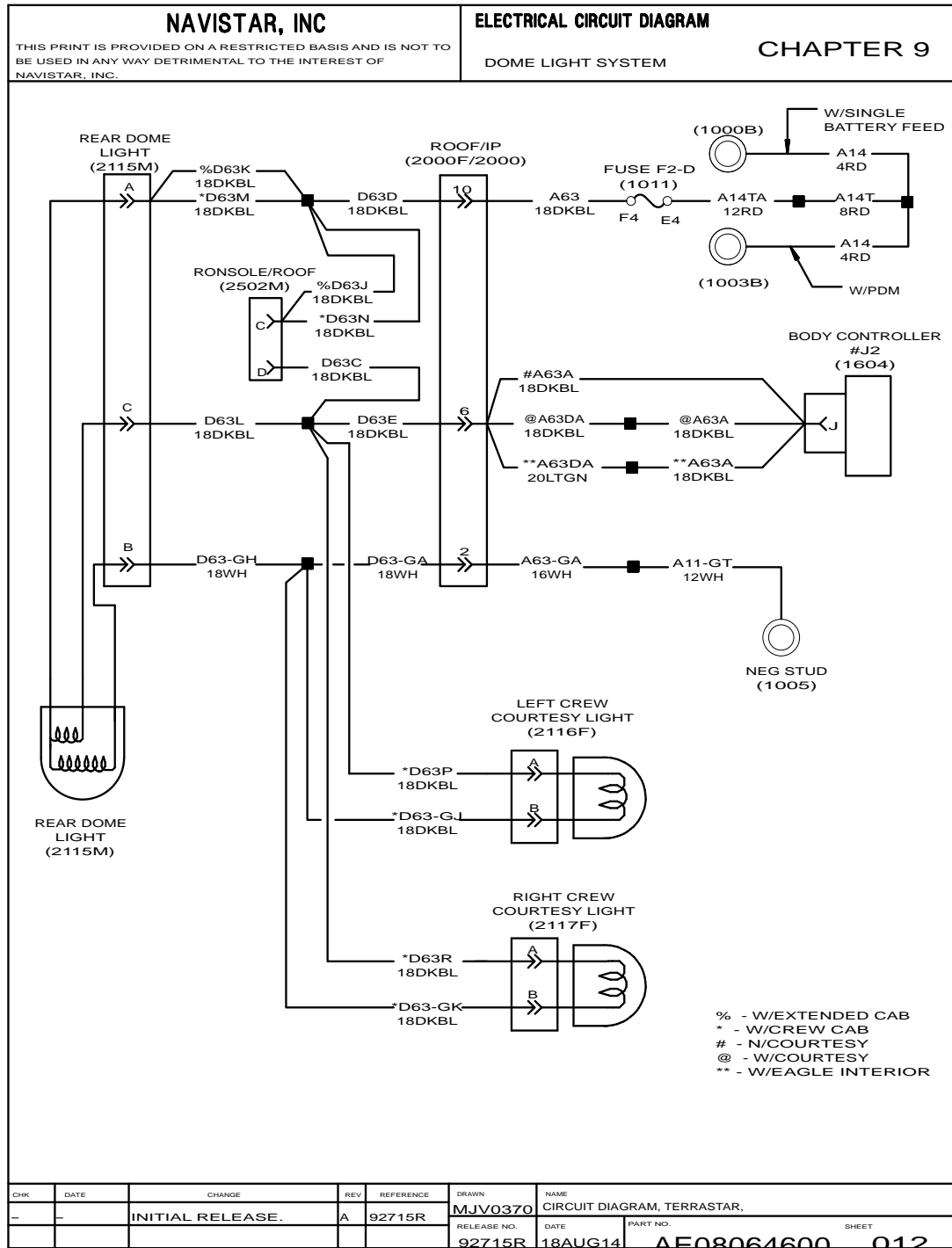


Figure 105 Dome Light System

9.13. CLEARANCE AND MARKER LIGHT, P. 13

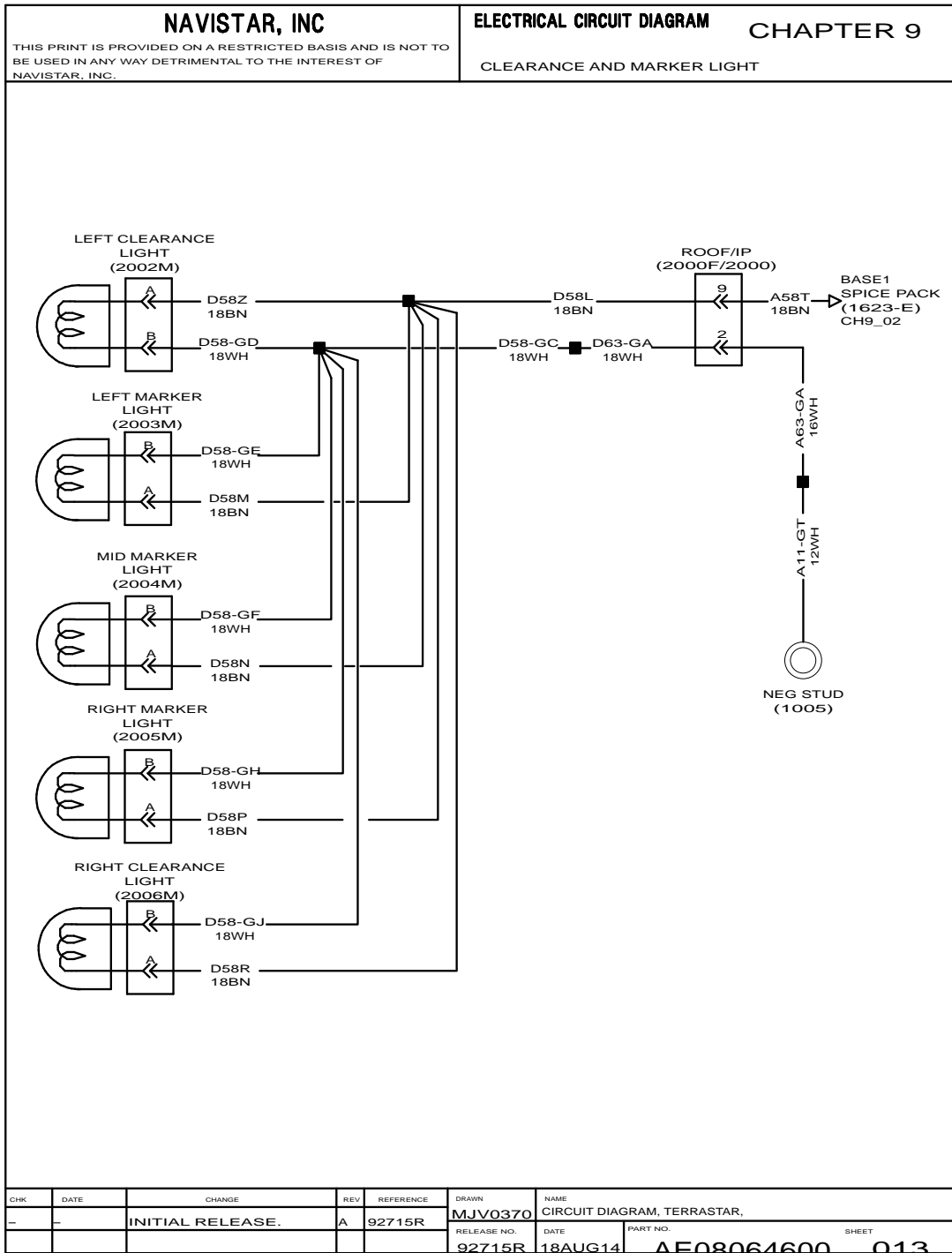


Figure 106 Clearance and Marker Light



10.2. TRW ABS BRAKES (CONT.), P. 2

<b>NAVISTAR, INC</b>				<b>ELECTRICAL CIRCUIT DIAGRAM</b>			
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				TRW ABS BRAKES(CONT)			
INTENTIONALLY LEFT BLANK							
CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME	
CNA1	25MAR11	REMOVED GEOMETRY.	B	76076F	U01A133	CIRCUIT DIAGRAM, TERRASTAR	
					RELEASE NO.	DATE	PART NO.
					67696A	04AUG10	AE08064601
						SHEET	002

Figure 108 TRW ABS Brakes (Cont.)

10.3. TRW ABS BRAKES (CONT.), P. 3

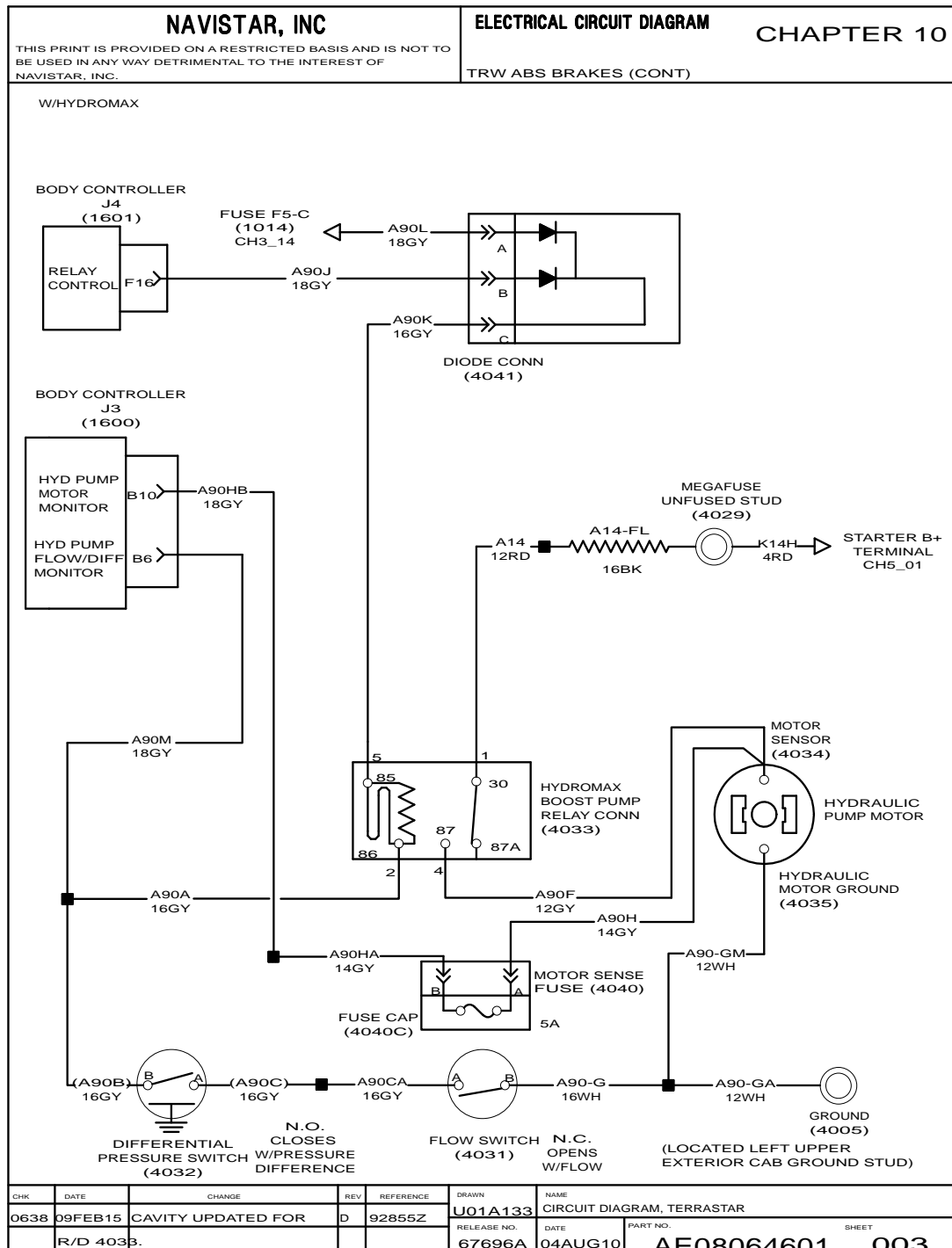


Figure 109 TRW ABS Brakes (Cont.)

10.4. BODY BUILDER AND TRAILER – TURN, MARKERS AND STOP , P. 4

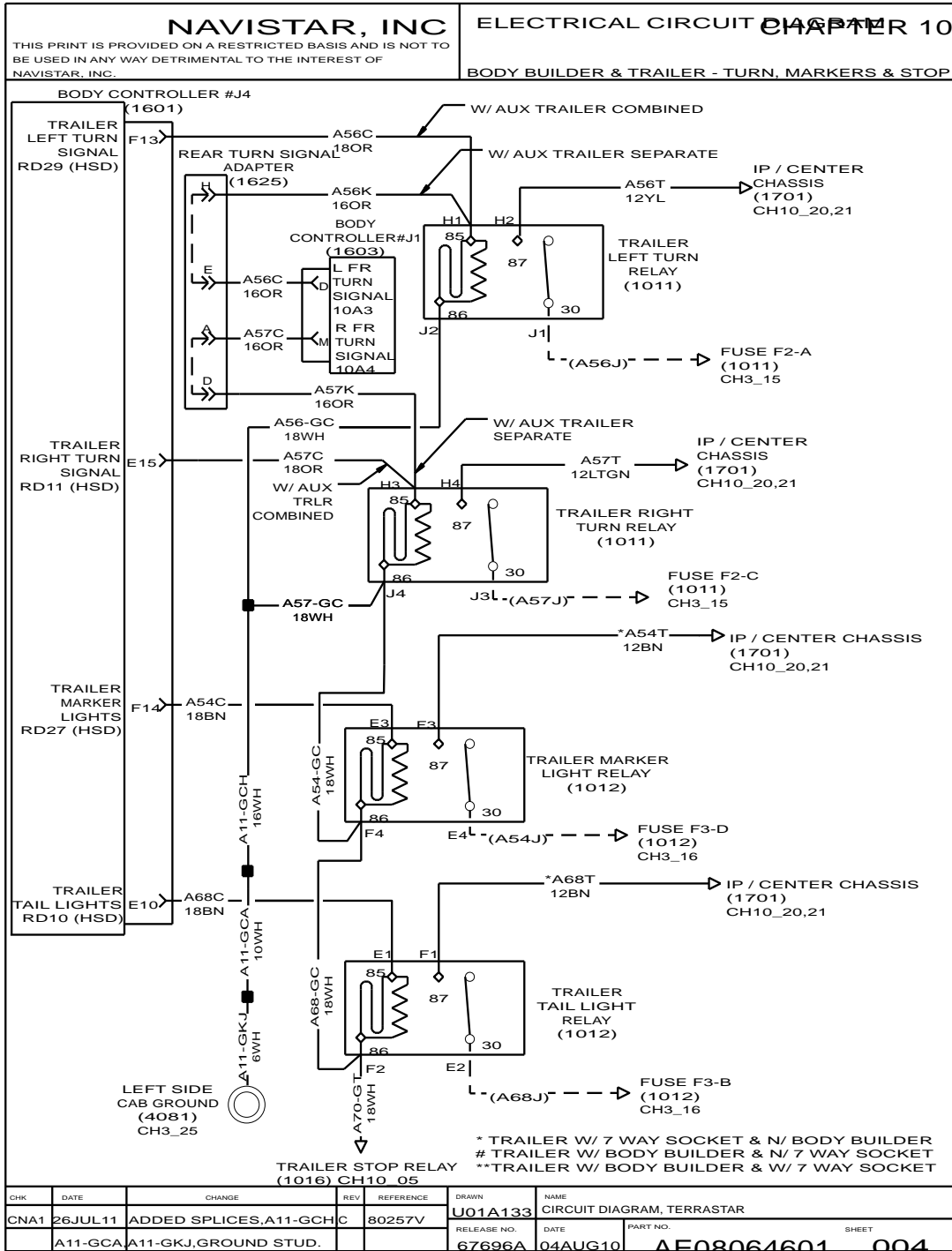


Figure 110 Body Builder and Trailer – Turn, Markers and Stop



10.6. BODY BUILDER ACC FEED WIRING, P. 6

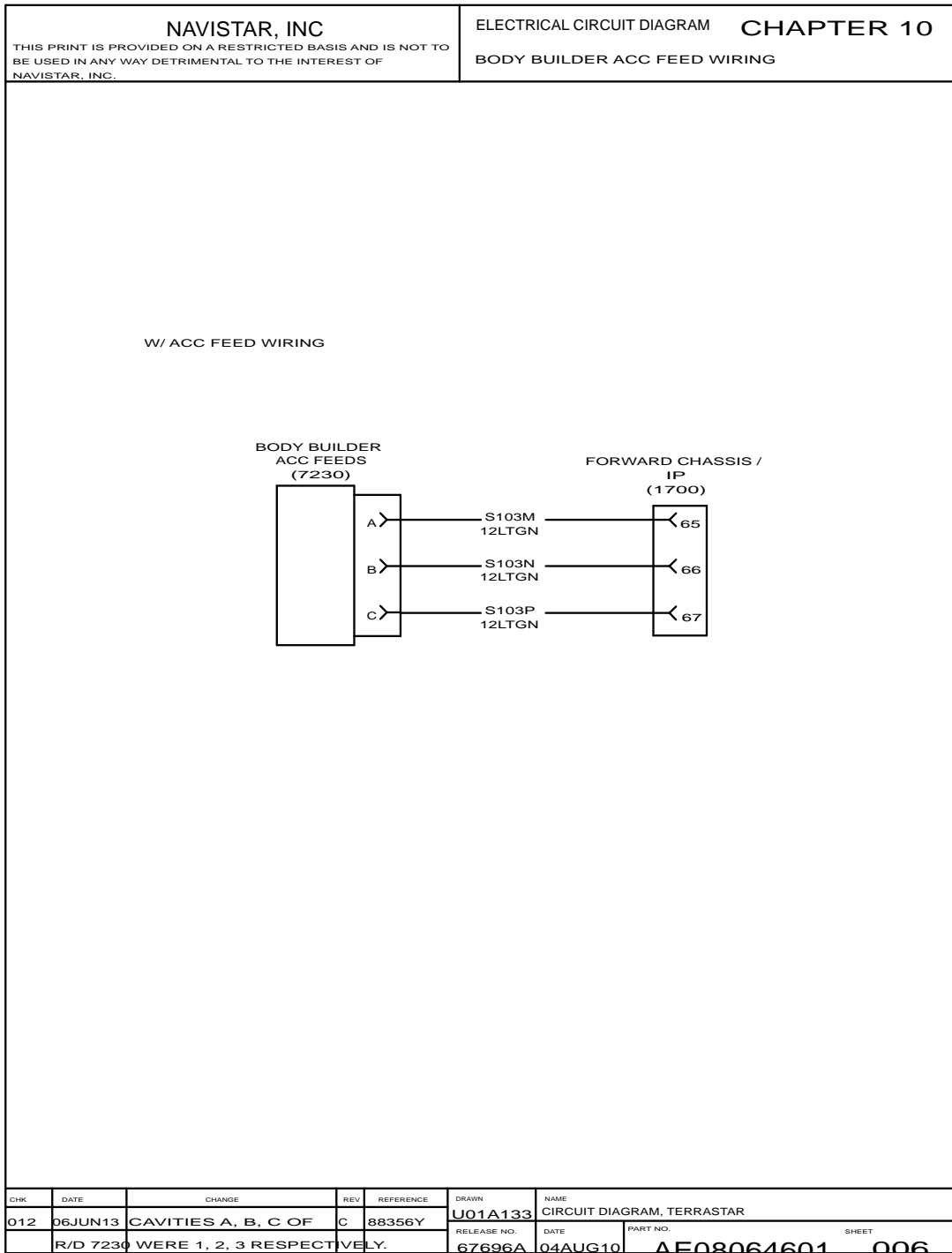


Figure 112 Body Builder ACC Feed Wiring



10.7. BODY BUILDER CONNECTIONS, P. 7

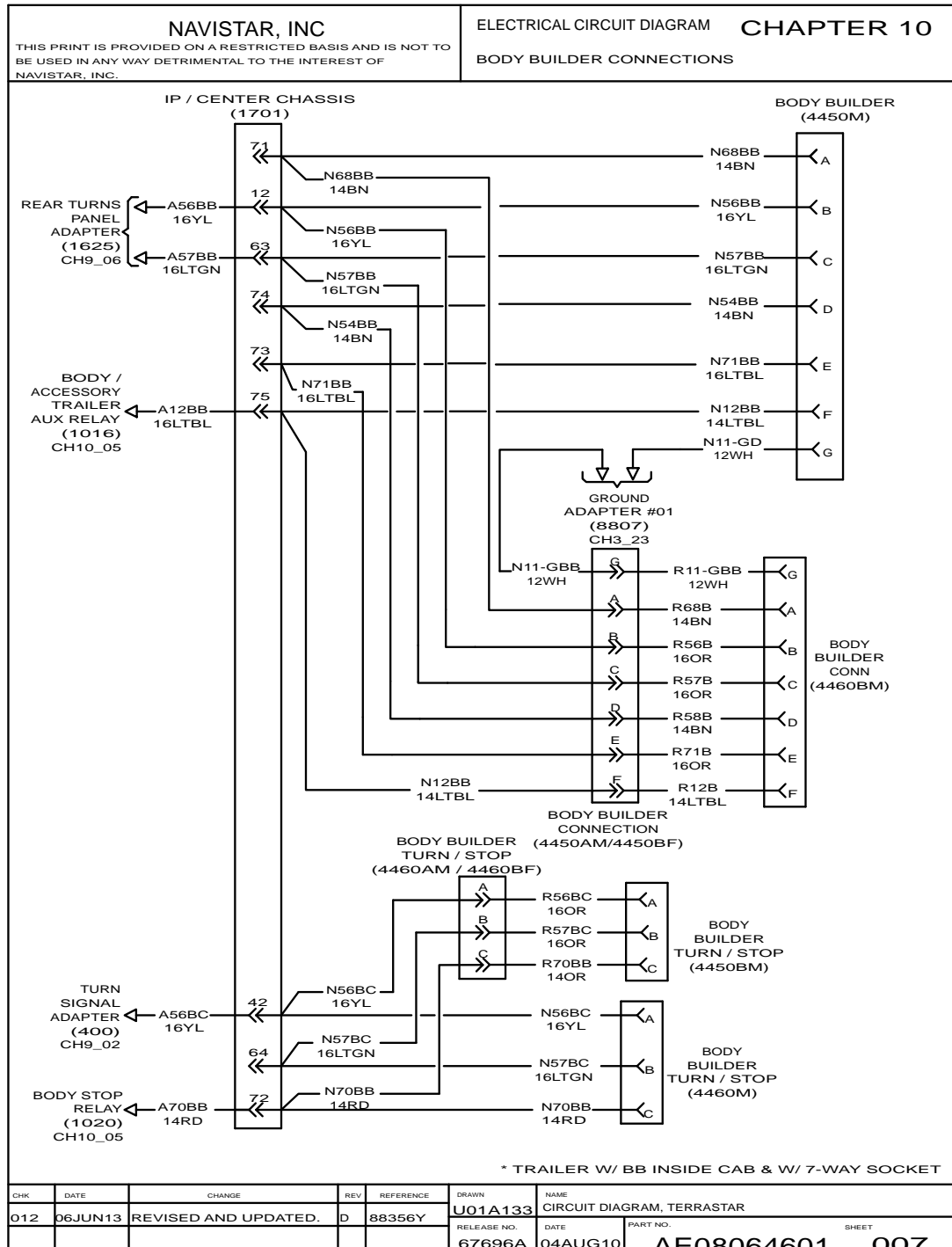


Figure 113 Body Builder Connections

10.8. INTENTIONALLY LEFT BLANK, P. 8

<b>NAVISTAR, INC</b>					<b>ELECTRICAL CIRCUIT DIAGRAM 10</b>				
THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF NAVISTAR, INC.					<b>CHAPTER 10</b>				
					TWO SPEED AXLE SWITCH				
INTENTIONALLY LEFT BLANK									
CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME			
CNA1	25MAR11	REMOVED GEOMETRY.	B	76076F	U01A133	CIRCUIT DIAGRAM, TERRASTAR			
					RELEASE NO.	DATE	PART NO.	SHEET	
					67696A	04AUG10	AE08064601	008	

Figure 114 Intentionally Left Blank

10.9. REMOTE POWER MODULE – CAB MOUNTED, P. 9

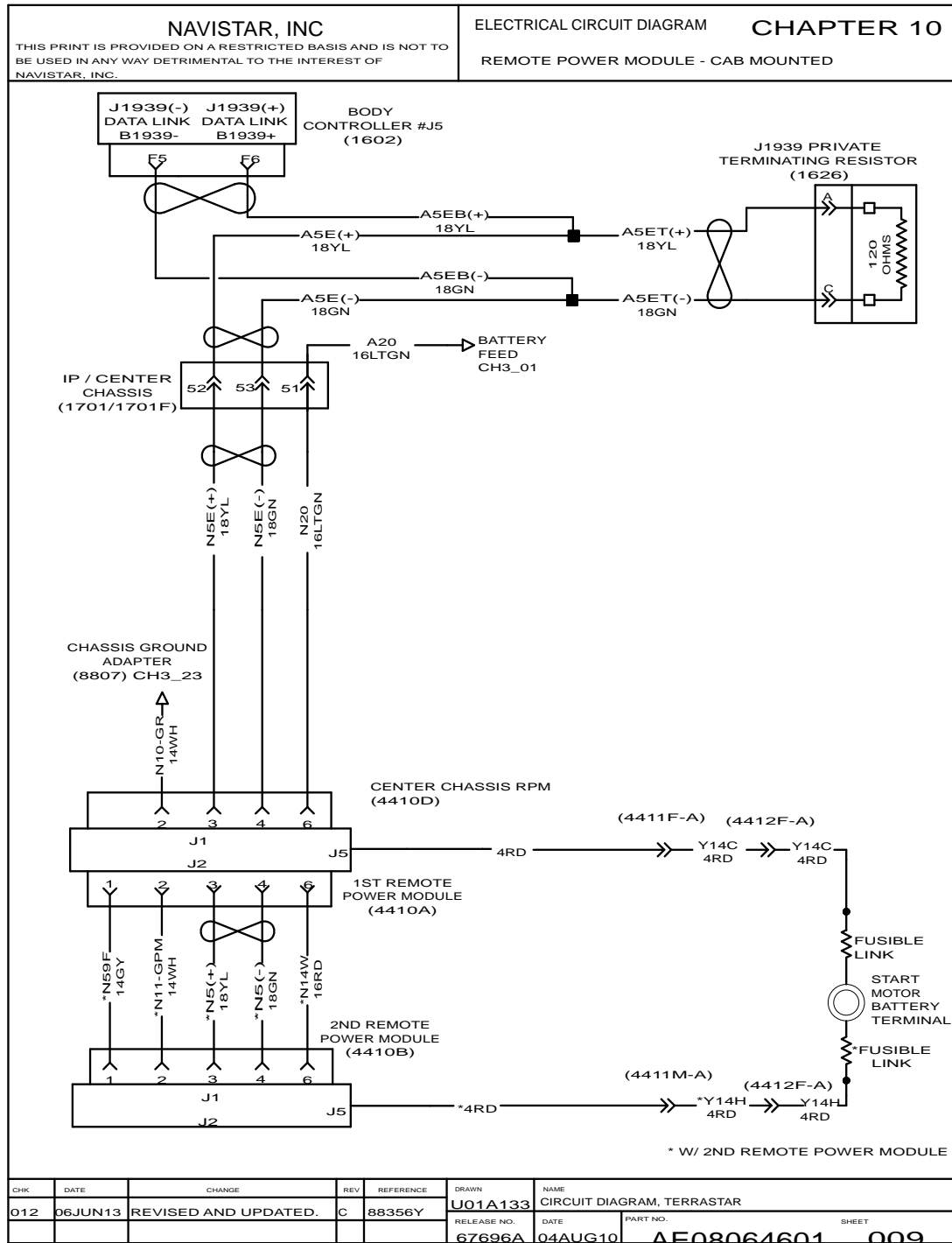


Figure 115 Remote Power Module – Cab Mounted

10.10. REMOTE POWER MODULE – CAB MOUNTED (CONT.), P. 9A

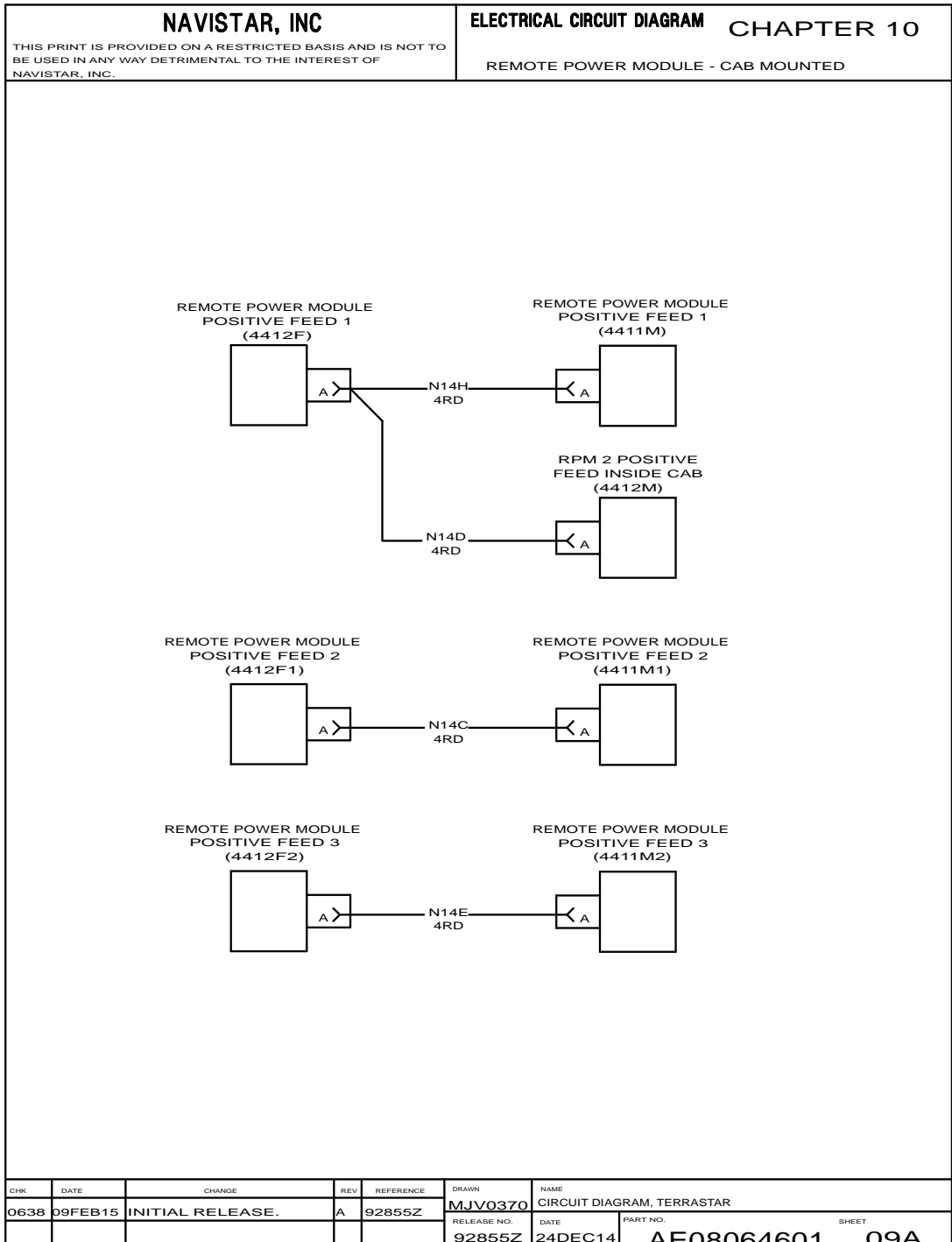


Figure 116 Remote Power Module – Cab Mounted (Cont.)

10.11. FUEL / HEATER RELAY, P. 10

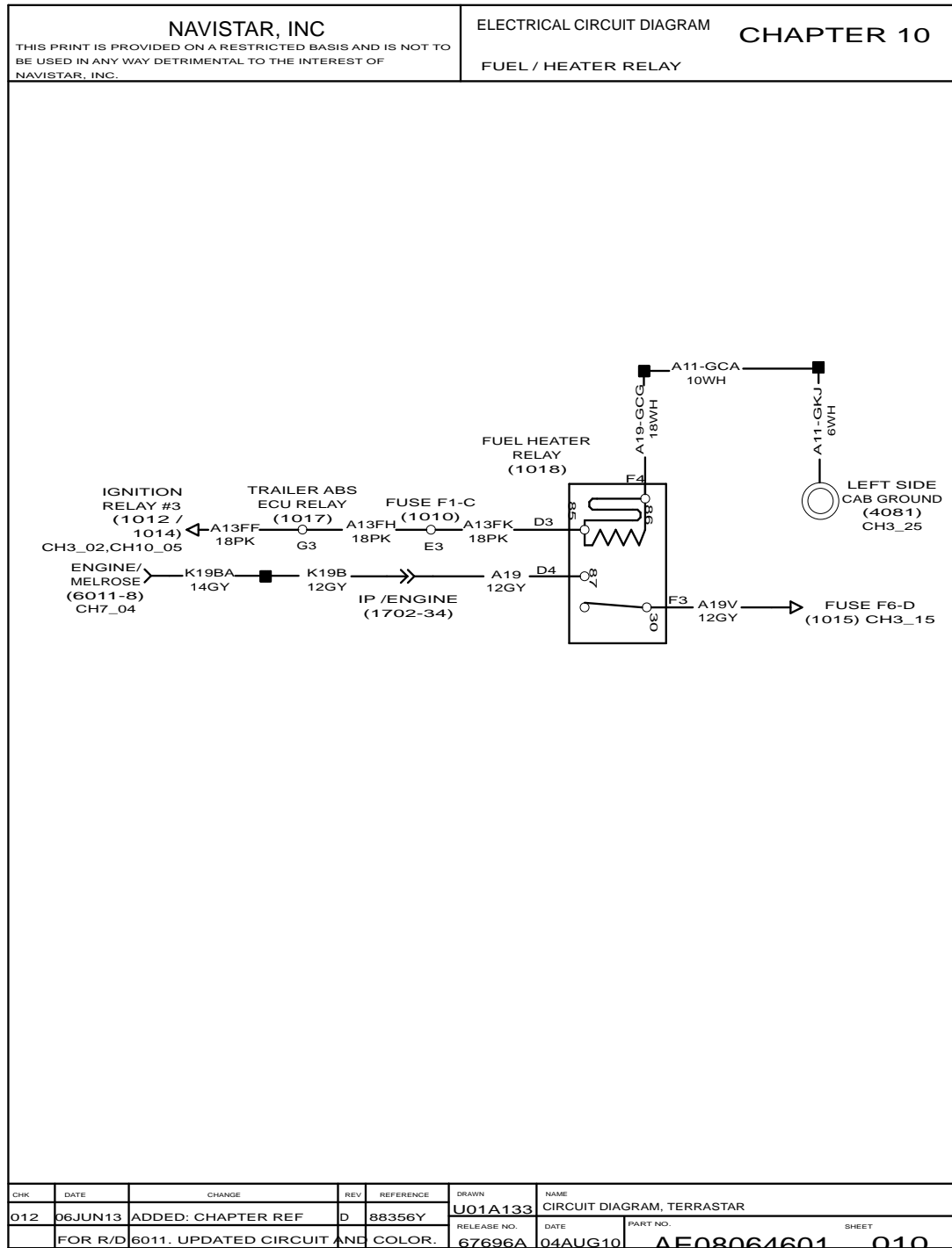


Figure 117 Fuel / Heater Relay

10.12. ELECTRIC TRAILER BRAKE, P. 11

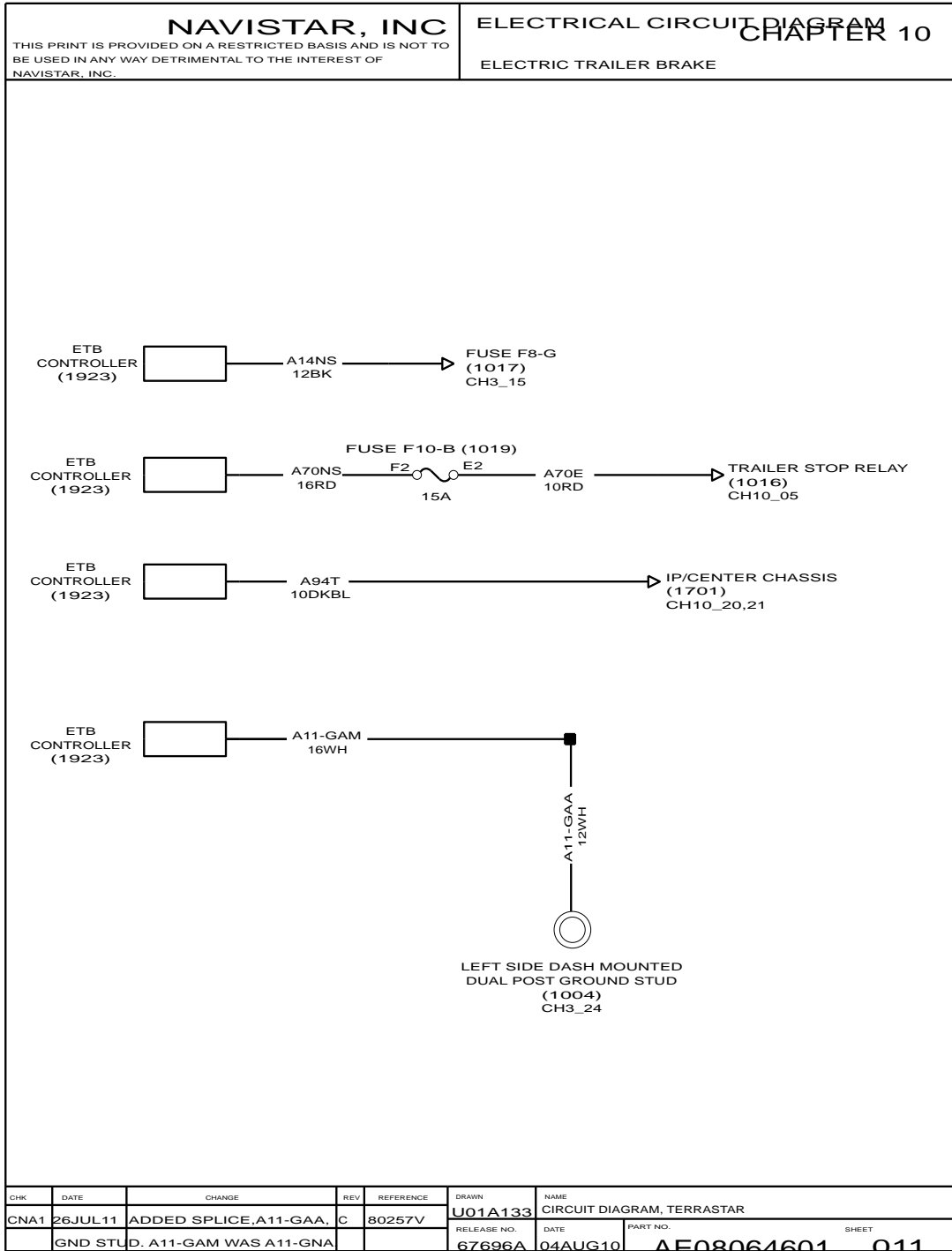


Figure 118 Electric Trailer Brake

10.13. HOUR METER – PTO, P. 12

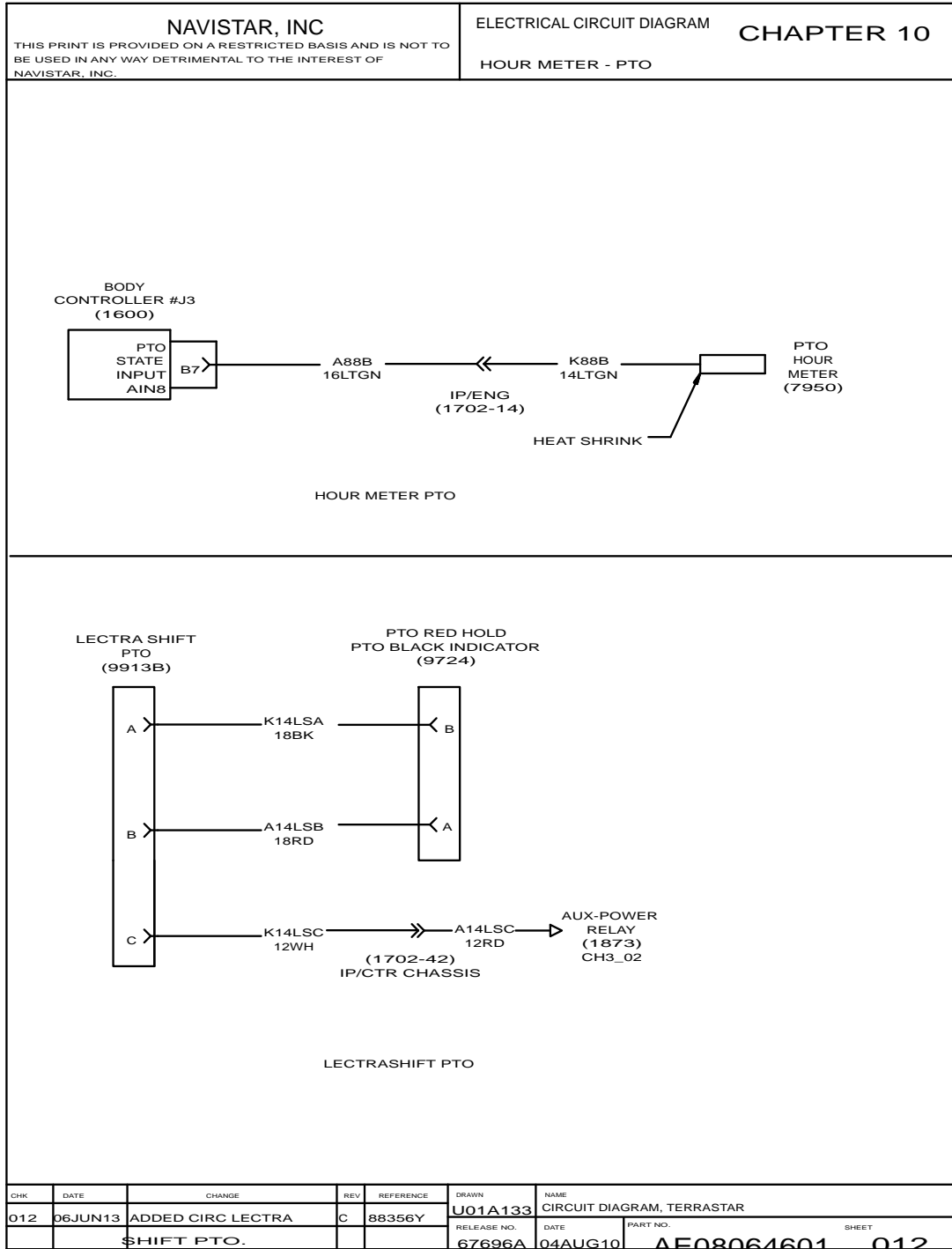


Figure 119 Hour Meter – PTO

10.14. AIR DRYER AND HEATED DRAIN VALVE, P. 13

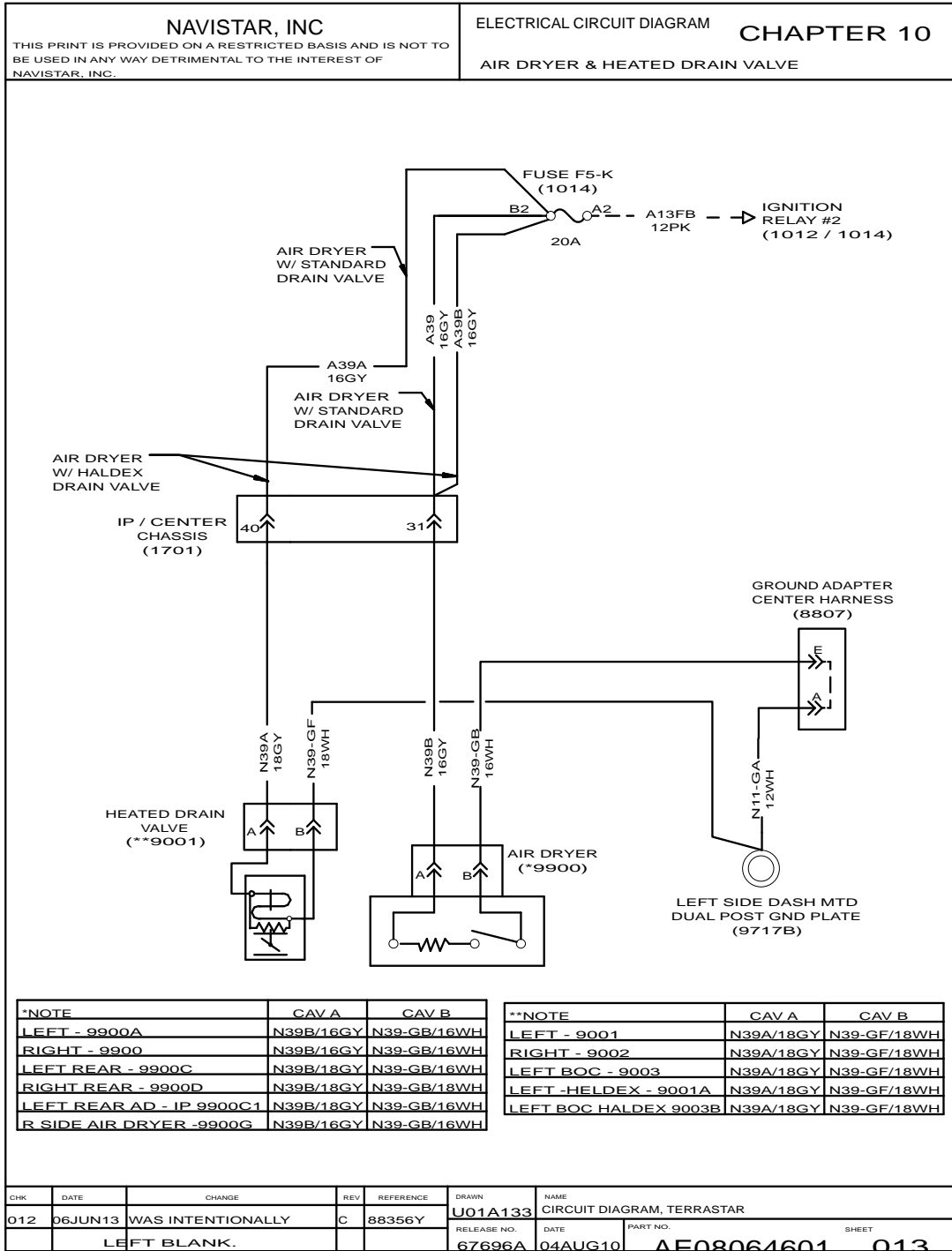


Figure 120 Air dryer and Heated Drain Valve





10.16. INTENTIONALLY LEFT BLANK, P. 15

<b>NAVISTAR, INC</b>				<b>ELECTRICAL CIRCUIT DIAGRAM CHAPTER 10</b>			
THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF NAVISTAR, INC.				AUX & POWER SOURCE			
INTENTIONALLY LEFT BLANK							
CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME	
CNA1	25MAR11	REMOVED GEOMETRY.	B	76076F	U01A133	CIRCUIT DIAGRAM, TERRASTAR	
					RELEASE NO.	DATE	PART NO.
					67696A	15OCT10	AE08064601 015

Figure 122 Intentionally Left Blank

10.17. WHEELCHAIR LIFT INTERLOCK, P. 16

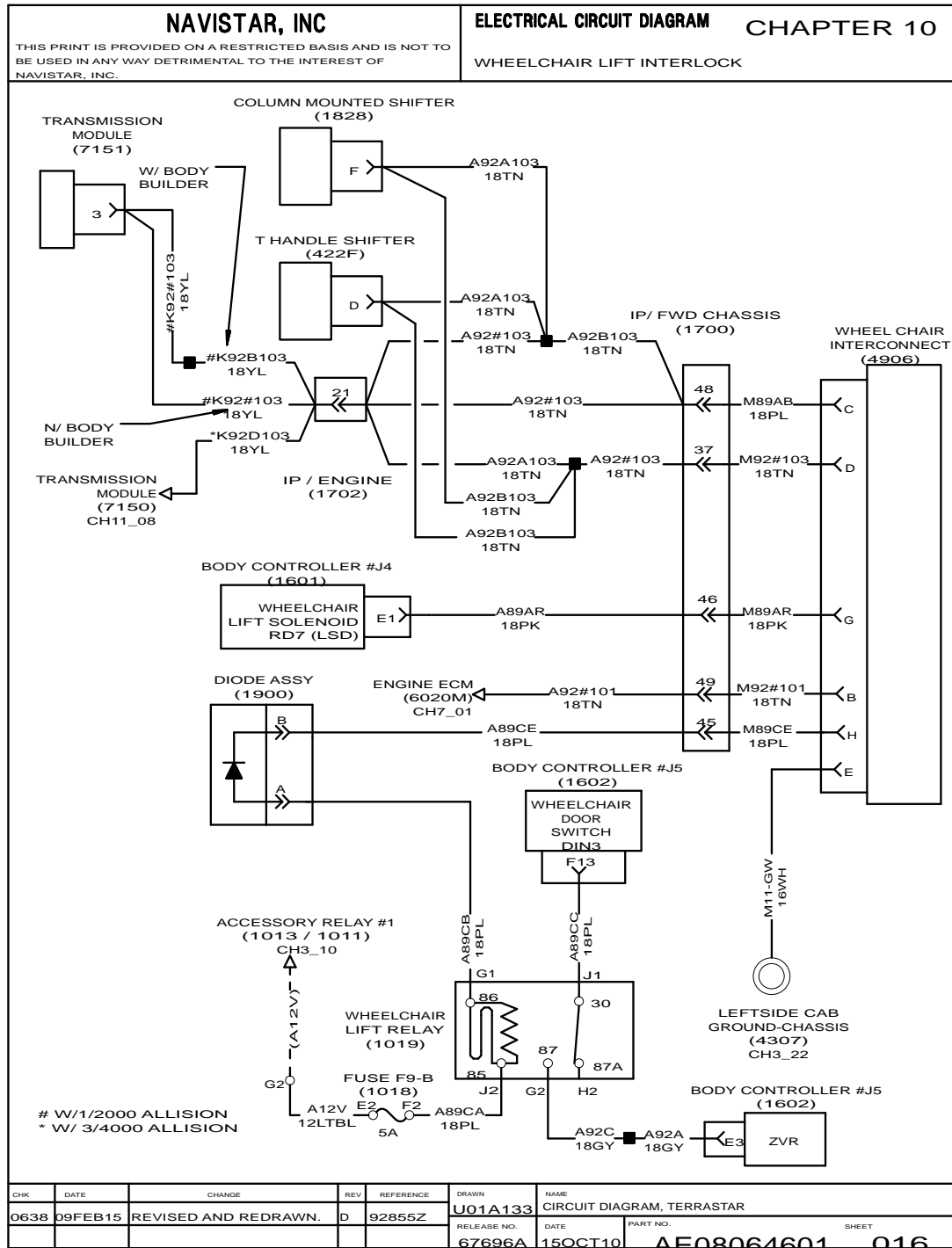


Figure 123 Wheelchair Lift Interlock

10.18. WHEELCHAIR LIFT INTERLOCK (CONT.), P. 16A

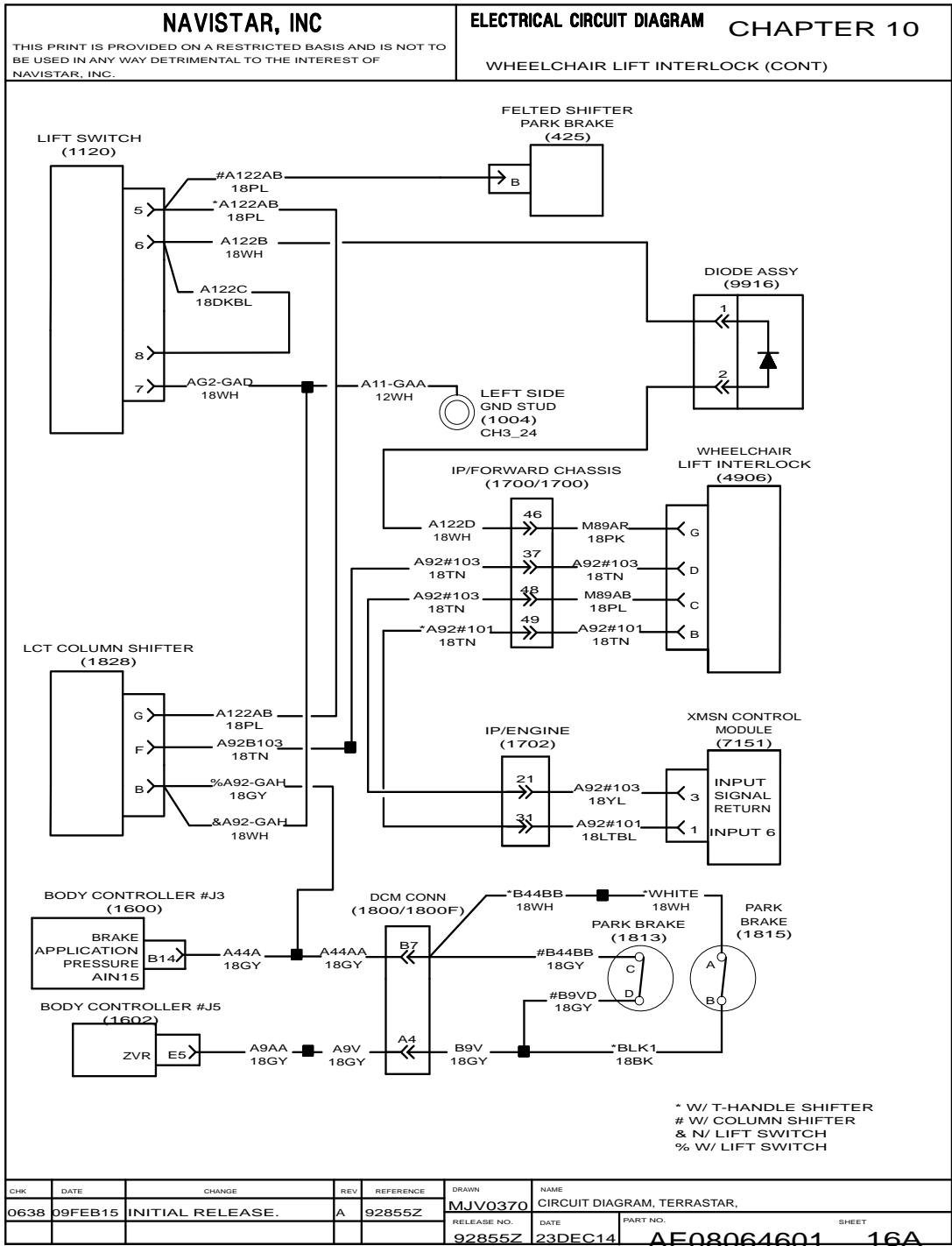


Figure 124 Wheelchair Lift Interlock (Cont.)

10.19. AUX INPUTS AND DRIVERS, P. 17

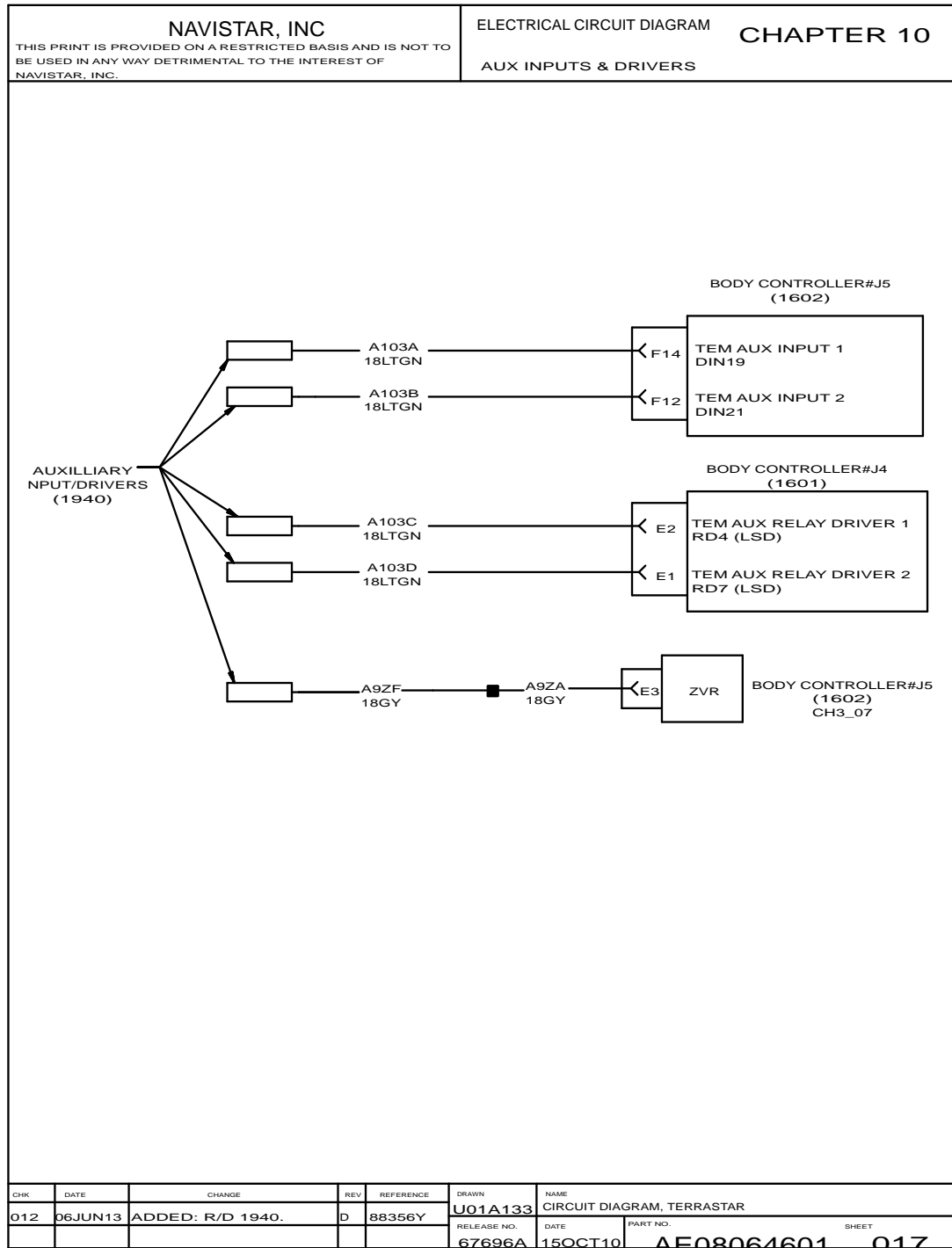


Figure 125 Aux Inputs and Drivers

10.20. AUX AND POWER SOURCE, P. 17A

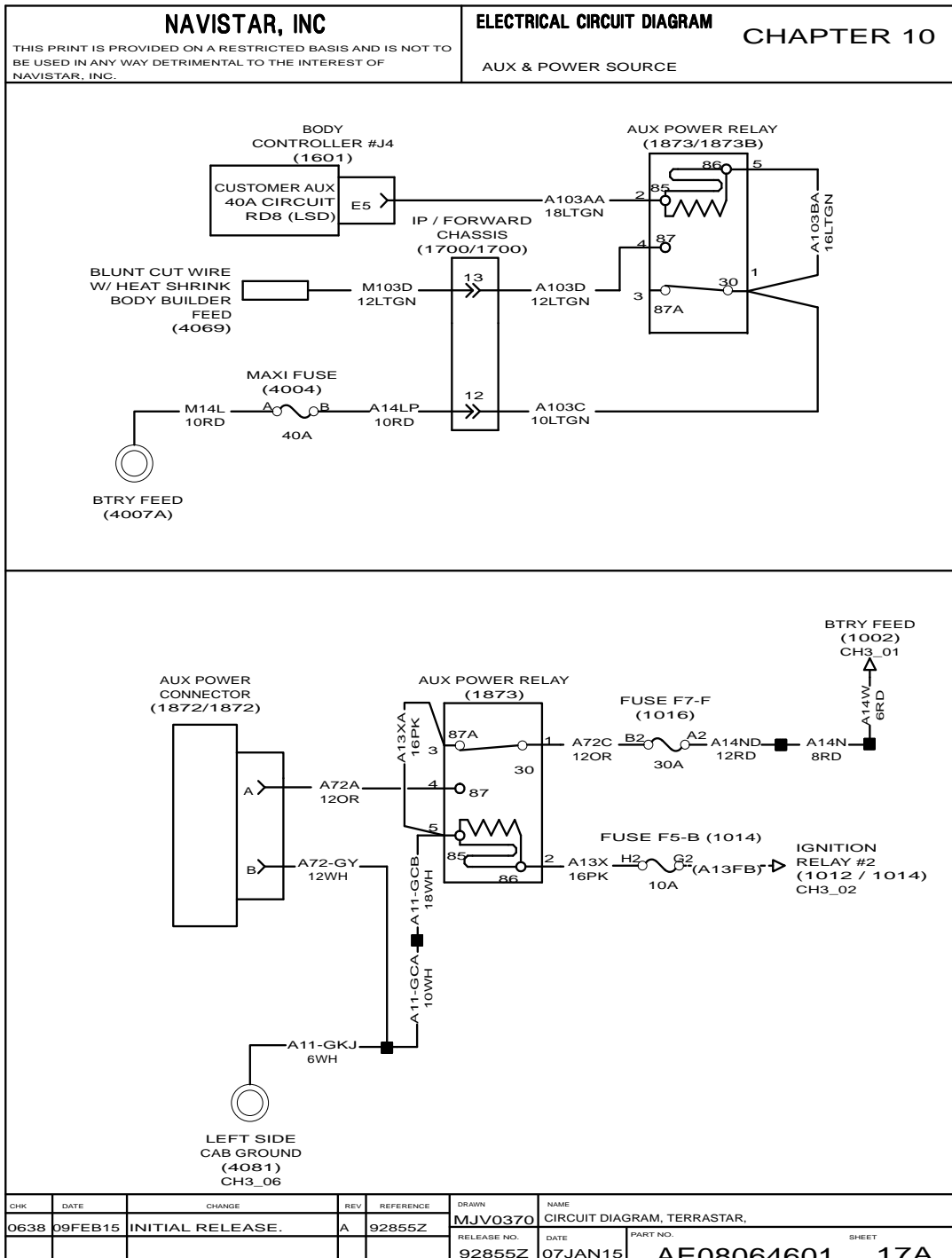


Figure 126 Aux and Power Source

10.21. INTENTIONALLY LEFT BLANK, P. 18

<b>NAVISTAR, INC</b>				<b>ELECTRICAL CIRCUIT DIAGRAM</b>		<b>CHAPTER 10</b>	
THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF NAVISTAR, INC.				INTENTIONALLY LEFT BLANK			
INTENTIONALLY LEFT BLANK							
CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME	
0488	20MAY14	REMOVED GEOMETRY.	D	92447S	300474	CIRCUIT DIAGRAM, TERRASTAR	
					RELEASE NO.	DATE	PART NO.
					61229V	07APR09	AE08064601
							SHEET <b>018</b>

Figure 127 Intentionally Left Blank





10.23. TRAILER SOCKET – EOF, P. 20

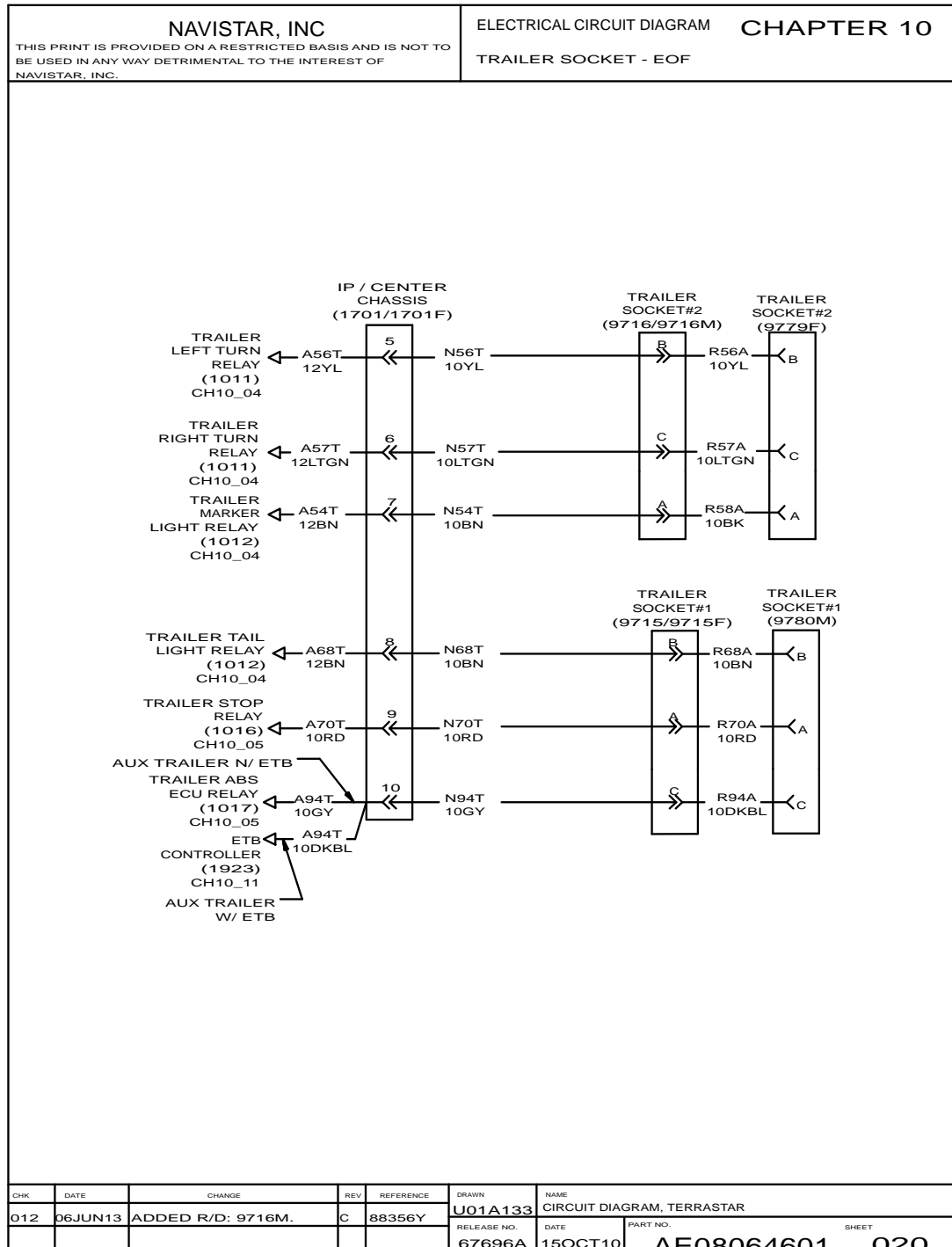


Figure 129 Trailer Socket – EOF

10.24. BODY BUILDER & TRAILER SOCKET – BOC & EOF, P. 21

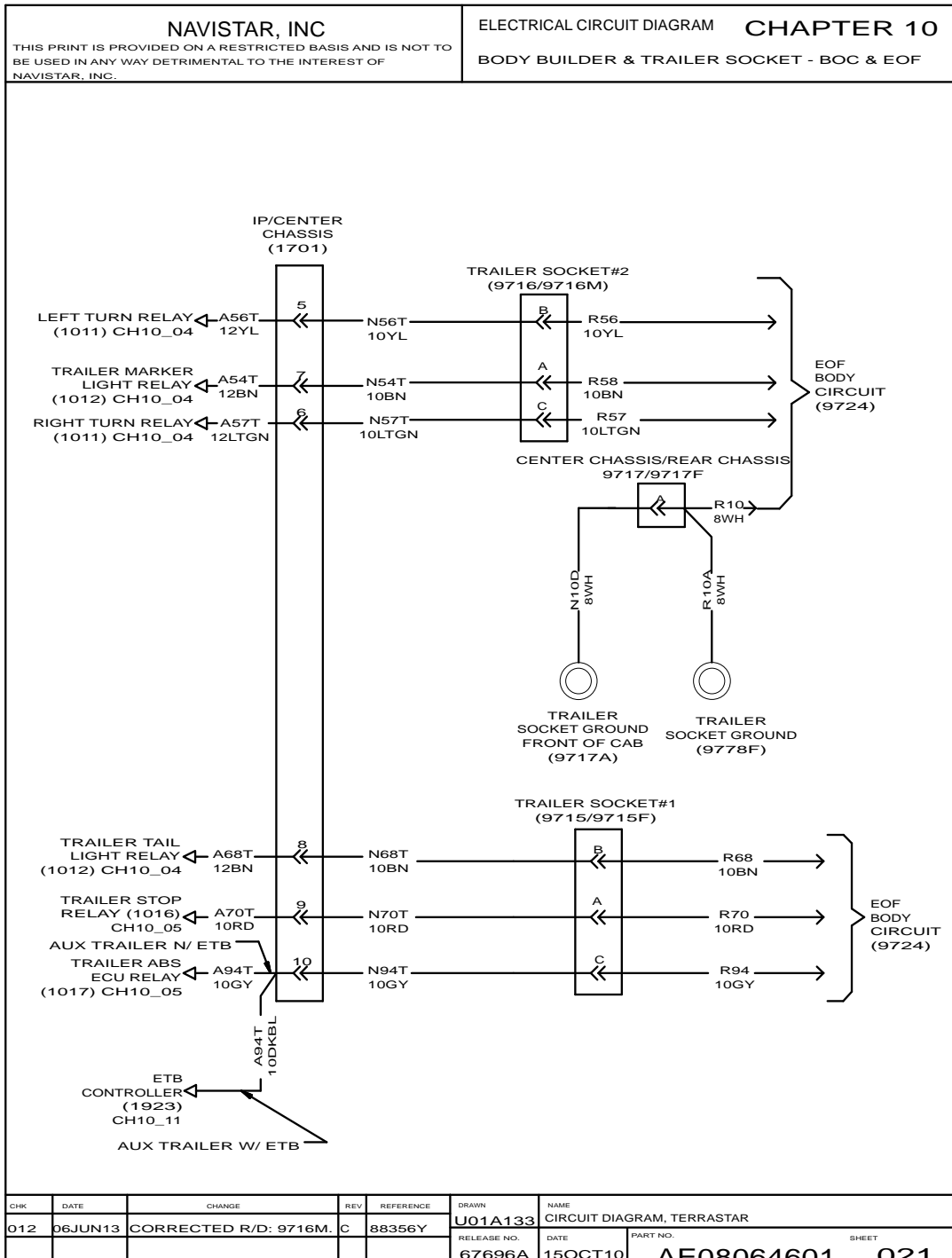


Figure 130 Body Builder & Trailer Socket – BOC & EOF

10.25. AUX TRAILER CIRCUIT, P. 22

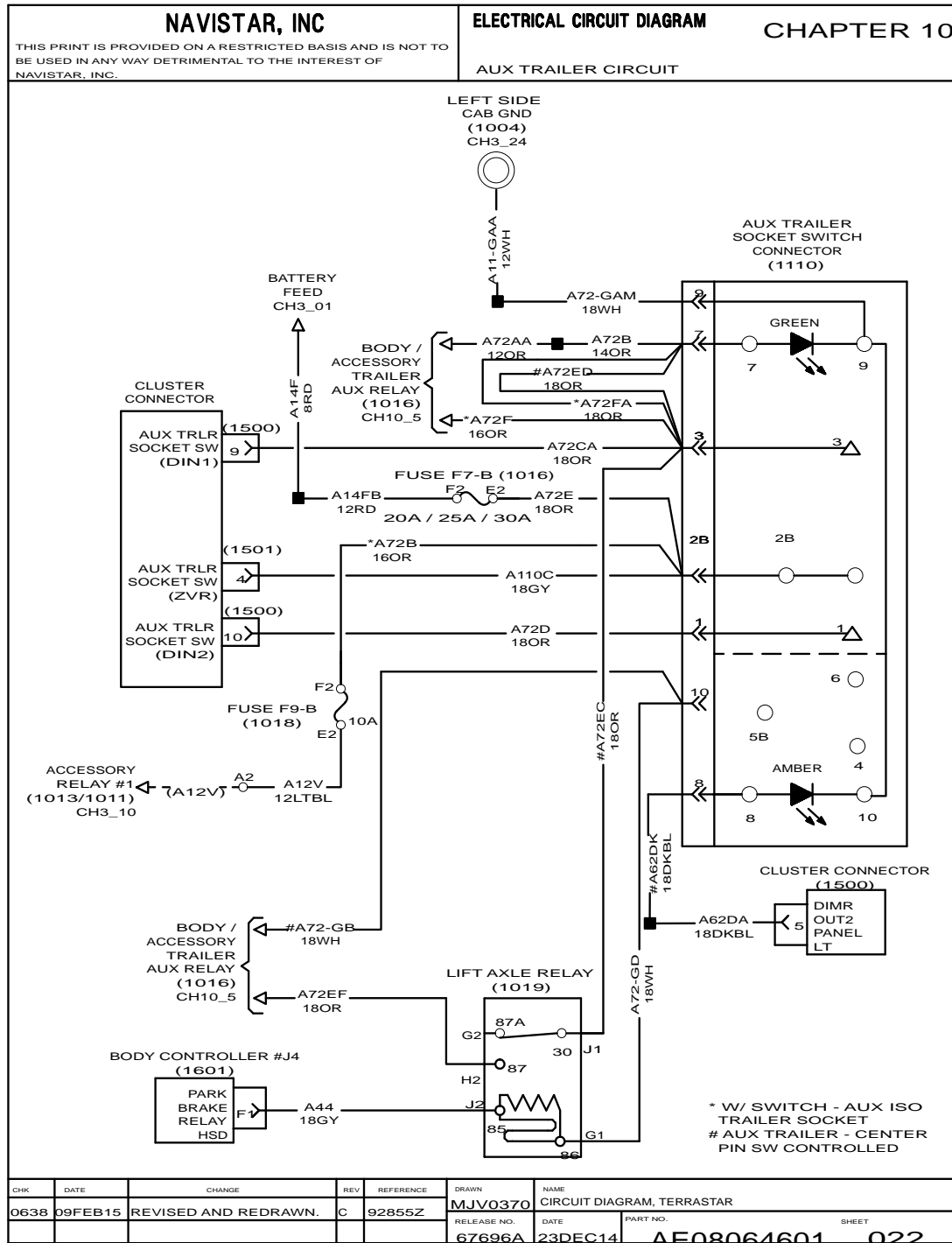


Figure 131 Aux Trailer Circuit

10.26. TRANSFER CASE, P. 23

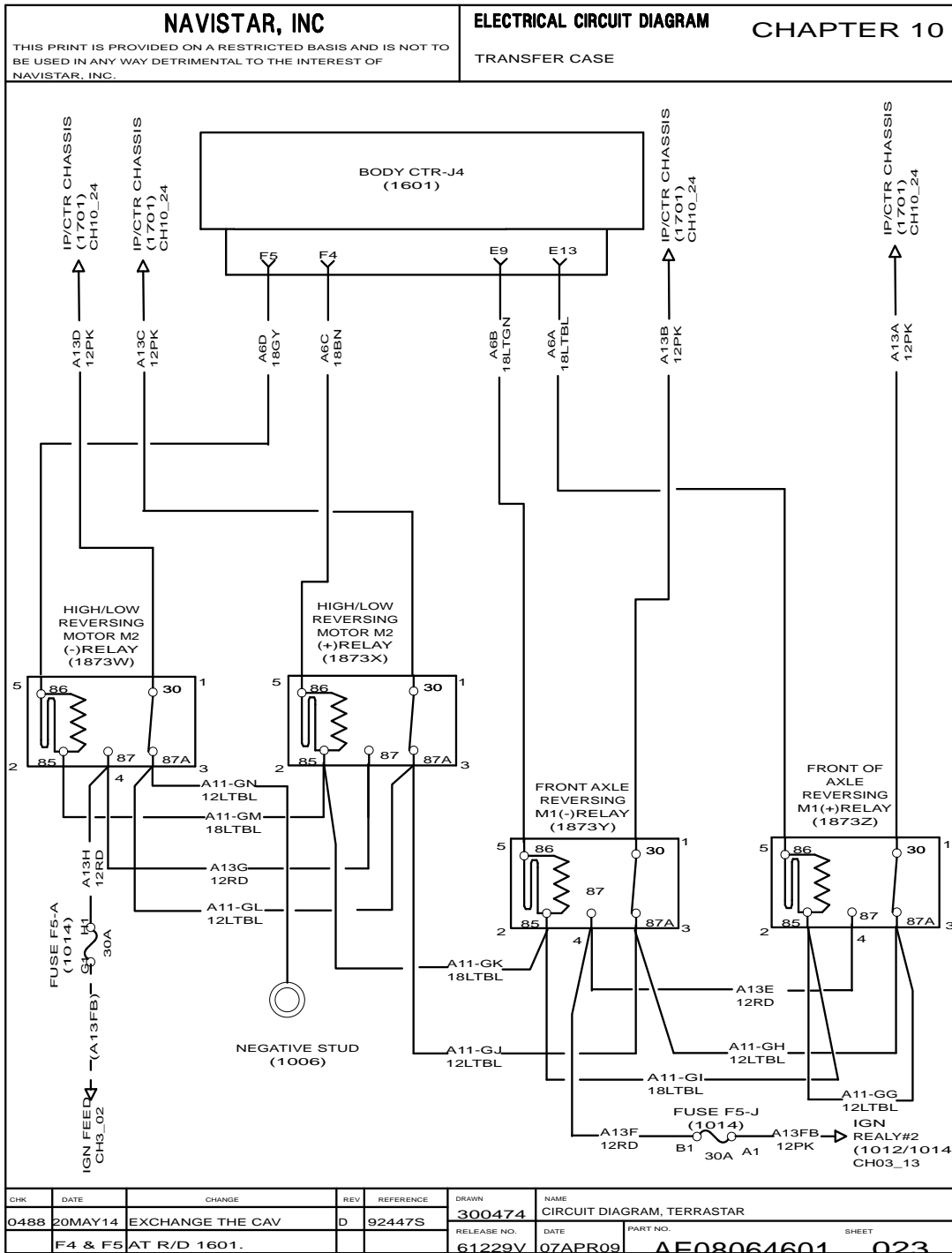


Figure 132 Transfer Case

10.27. TRANSFER CASE (CONT.), P. 24

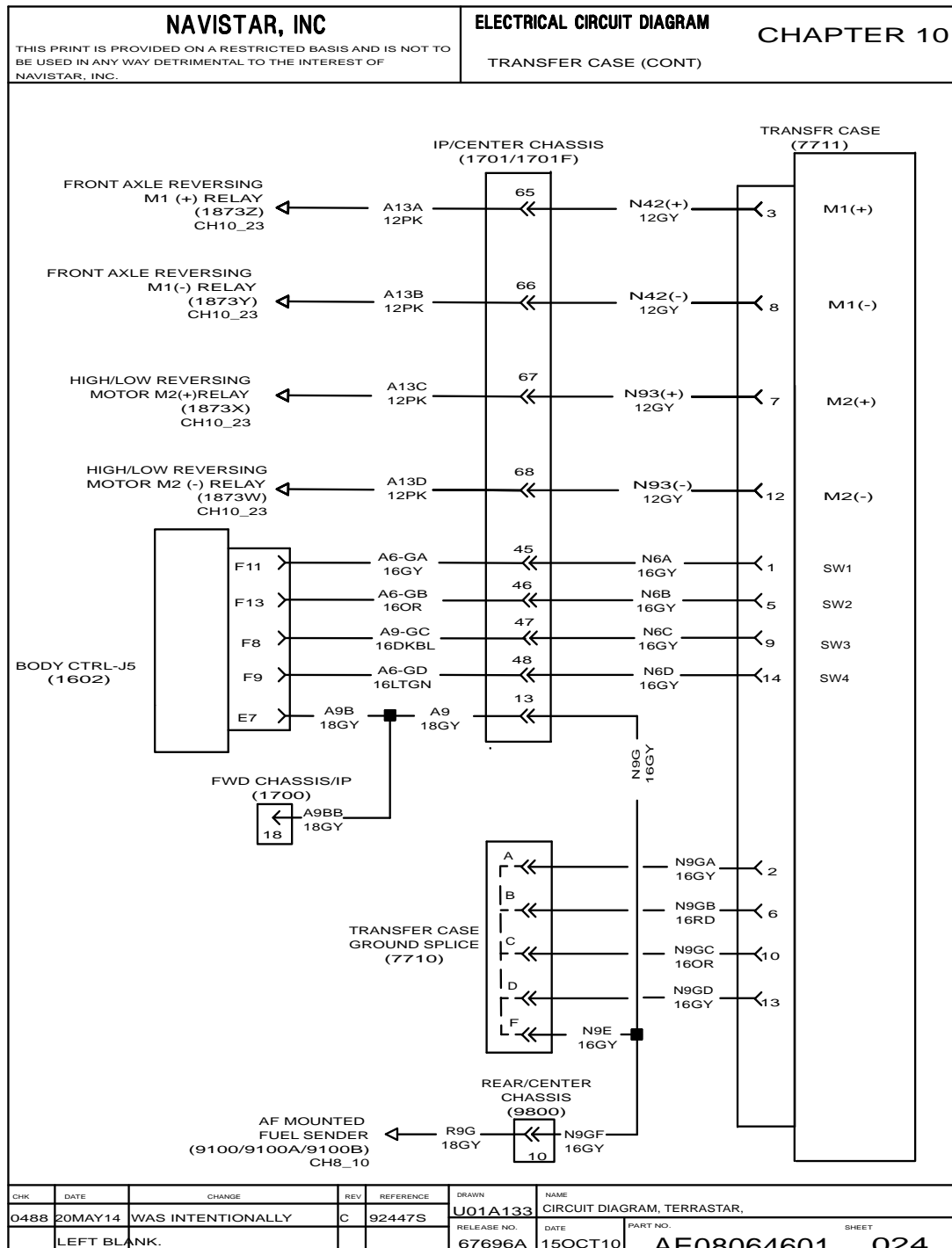


Figure 133 Transfer Case (Cont.)

10.28. INTENTIONALLY LEFT BLANK, P. 25

<b>NAVISTAR, INC</b>				<b>ELECTRICAL CIRCUIT DIAGRAM CHAPTER 10</b>			
THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF NAVISTAR, INC.				LIFT AXLE (STEERABLE)			
INTENTIONALLY LEFT BLANK							
CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME	
CNA1	25MAR11	REMOVED GEOMETRY.	B	76076F	U01A133	CIRCUIT DIAGRAM, TERRASTAR	
					RELEASE NO.	DATE	PART NO.
					67696A	15OCT10	AE08064601 025

Figure 134 Intentionally Left Blank

10.29. INTENTIONALLY LEFT BLANK, P. 26

<b>NAVISTAR, INC</b>				ELECTRICAL CIRCUIT DIAGRAM <b>CHAPTER 10</b>				
THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF NAVISTAR, INC.				POWER SOURCE, CUSTOMER INSTALLED LIFT GATE				
INTENTIONALLY LEFT BLANK								
CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME		
CNA1	25MAR11	REMOVED GEOMETRY.	B	76076F	U01A133	CIRCUIT DIAGRAM, TERRASTAR		
					RELEASE NO.	DATE	PART NO.	SHEET
					67696A	15OCT10	AE08064601	026

Figure 135 Intentionally Left Blank

10.30. AIR HORN, P. 27

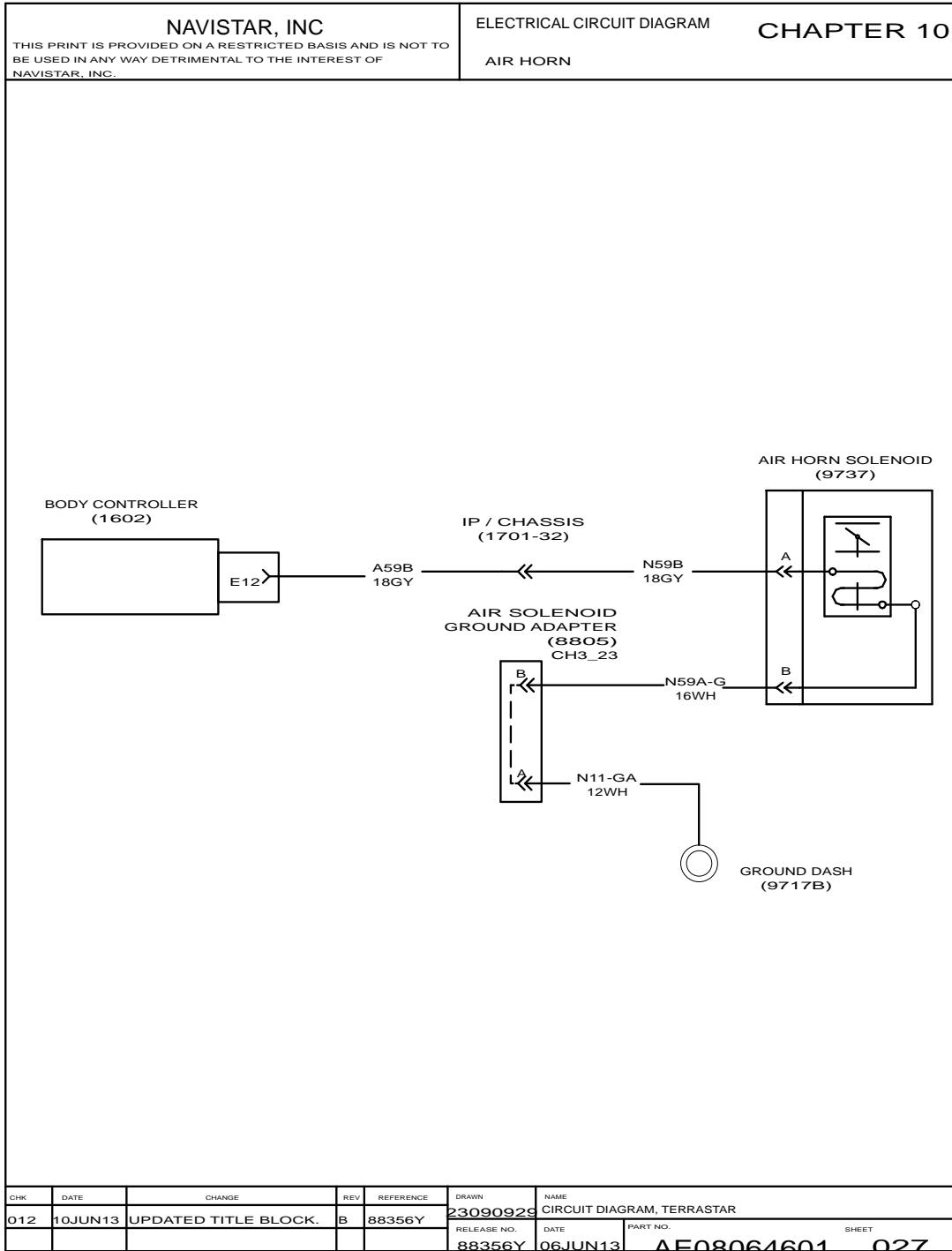


Figure 136 Air Horn



10.31. AIR SOLENOID 4-PACK, P. 28

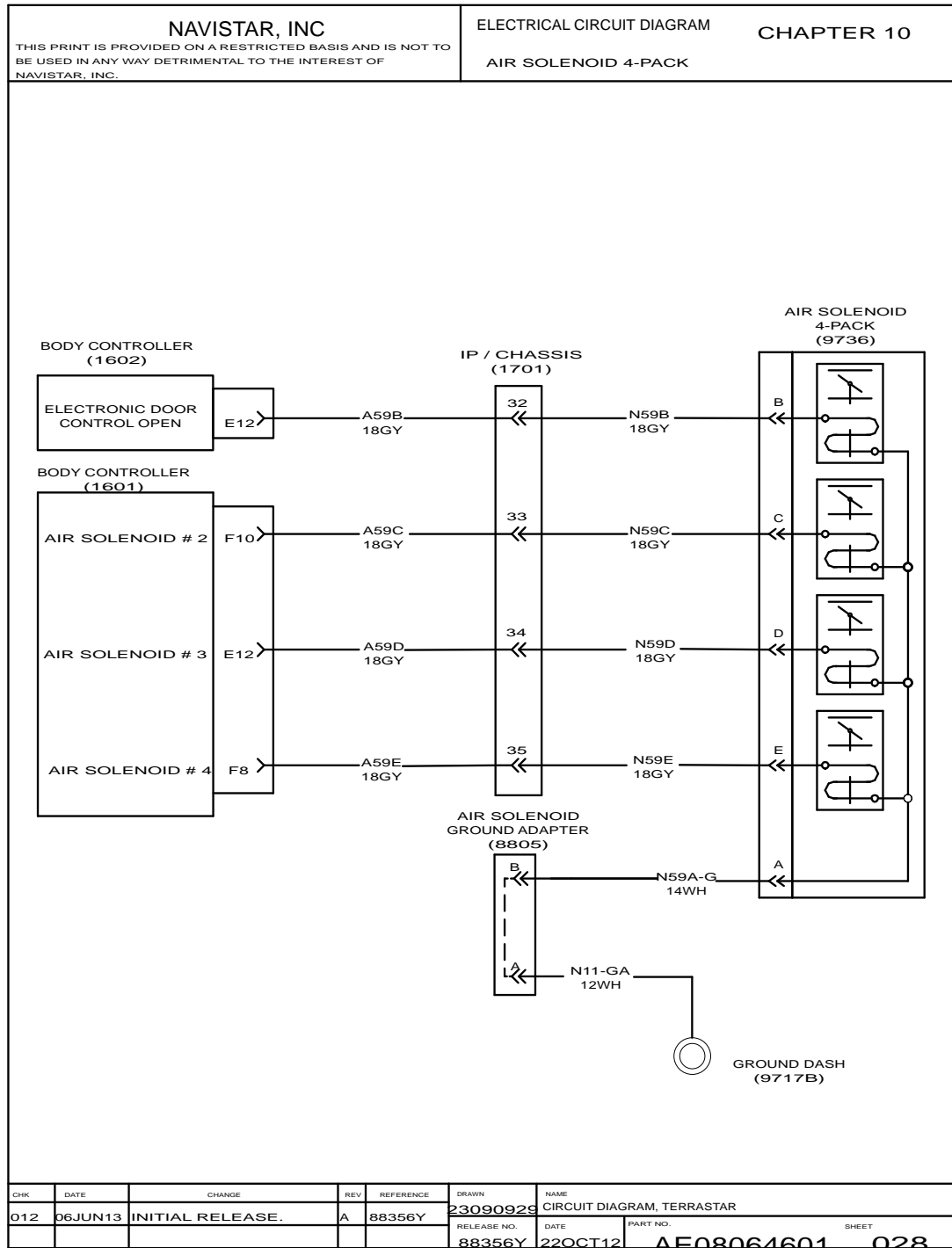


Figure 137 Air Solenoid 4-Pack

10.32. AIR SOLENOID 8-PACK, P. 29

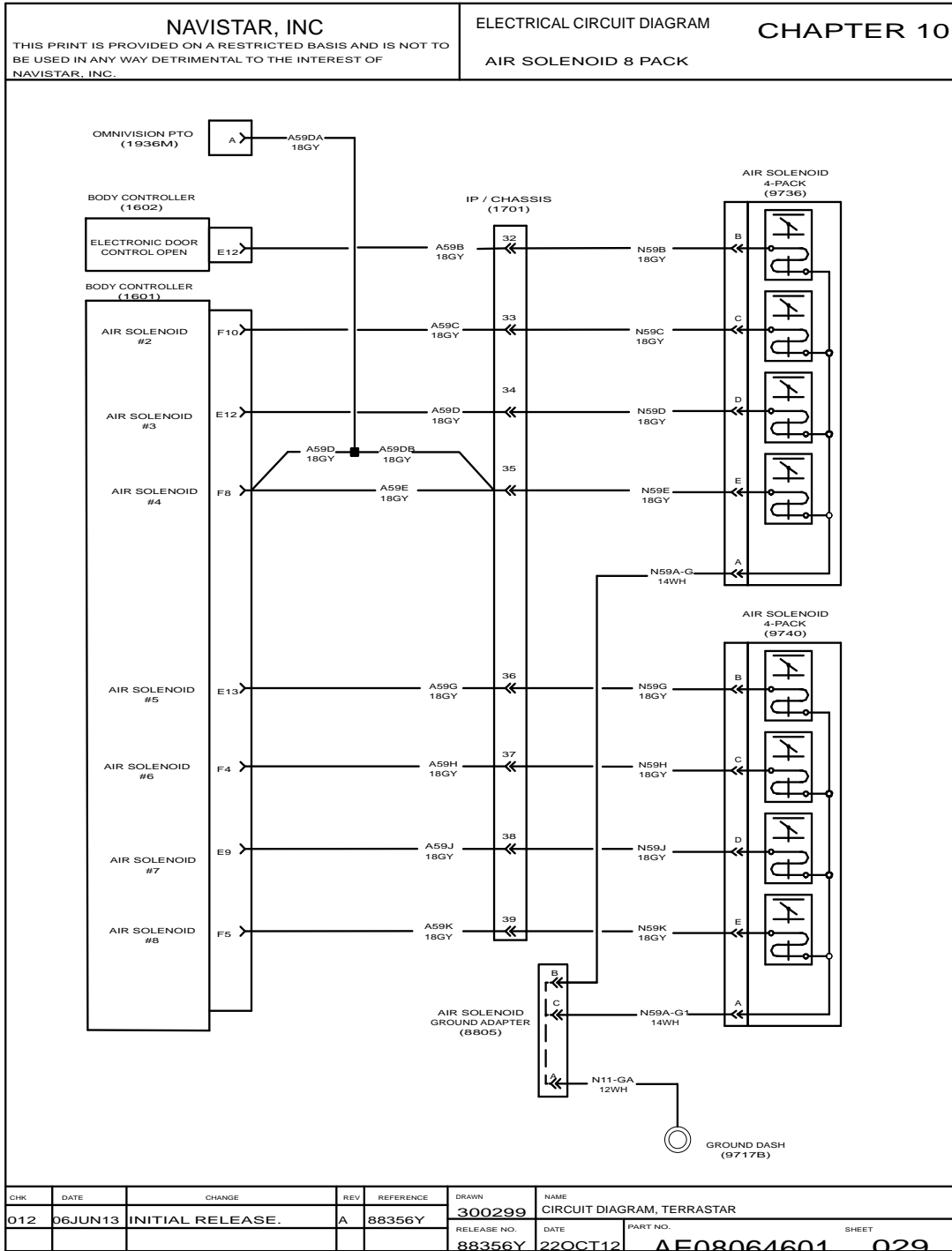


Figure 138 Air Solenoid 8-Pack

# TRANSMISSION (CHAPTER 11)

## 11.1. ALLISON GEN 4 1/2000 TRANSMISSION, P. 1

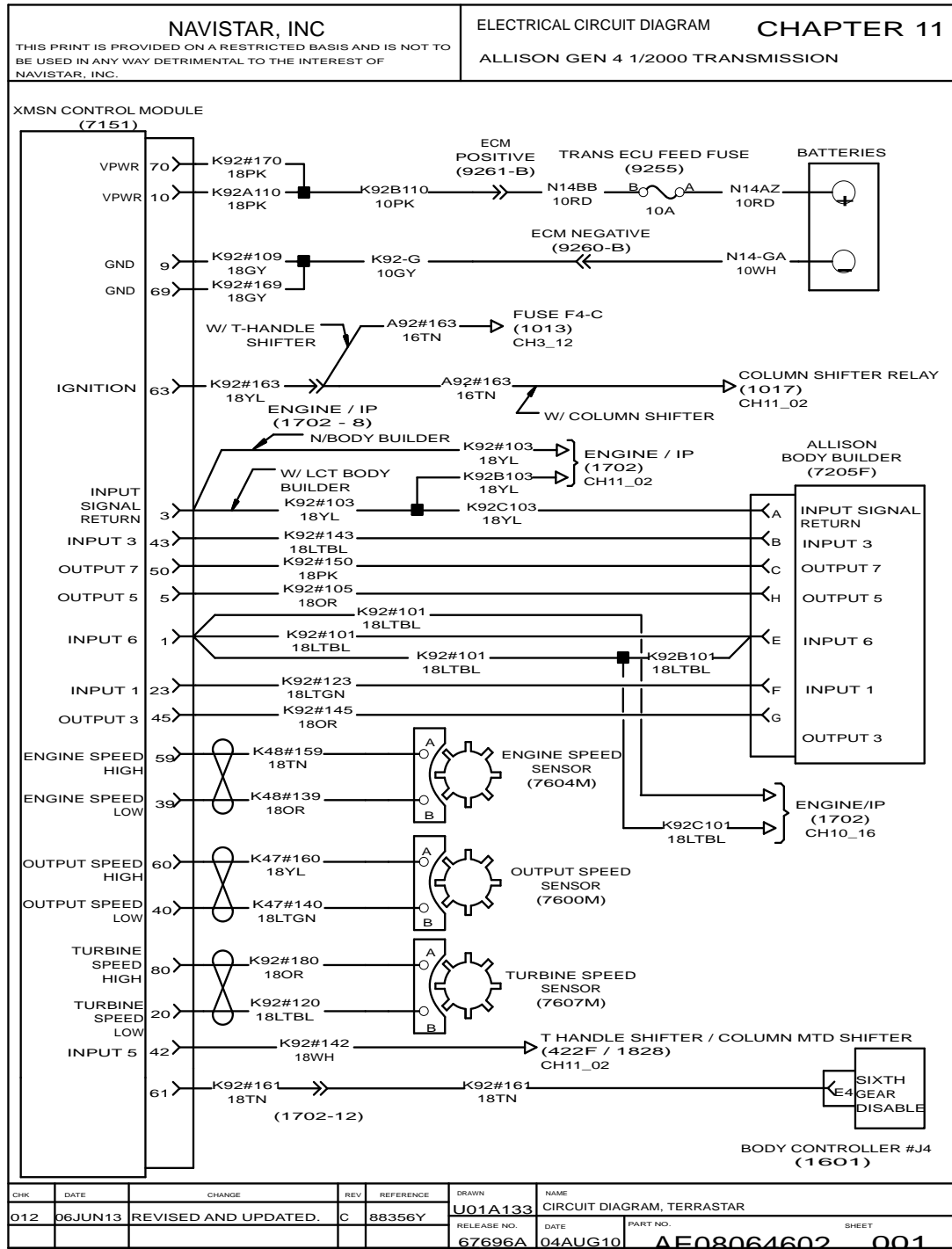


Figure 139 Allison Gen 4 1/2000 Transmission

11.2. ALLISON GEN 4 1/2000 TRANSMISSION (CONT.), P. 2

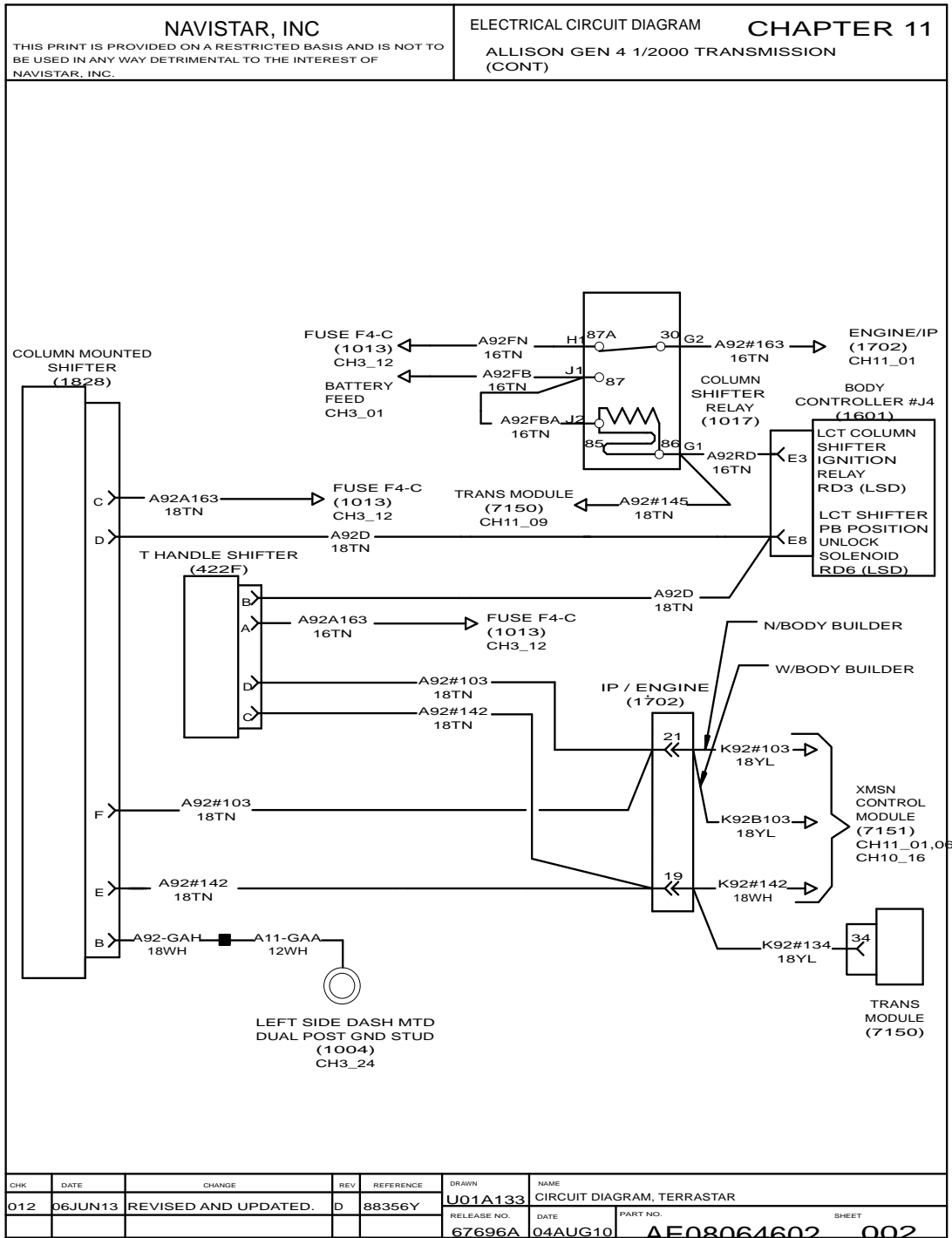


Figure 140 Allison Gen 4 1/2000 Transmission (Cont.)

11.3. ALLISON GEN 1/2000 TRANSMISSION, P. 3

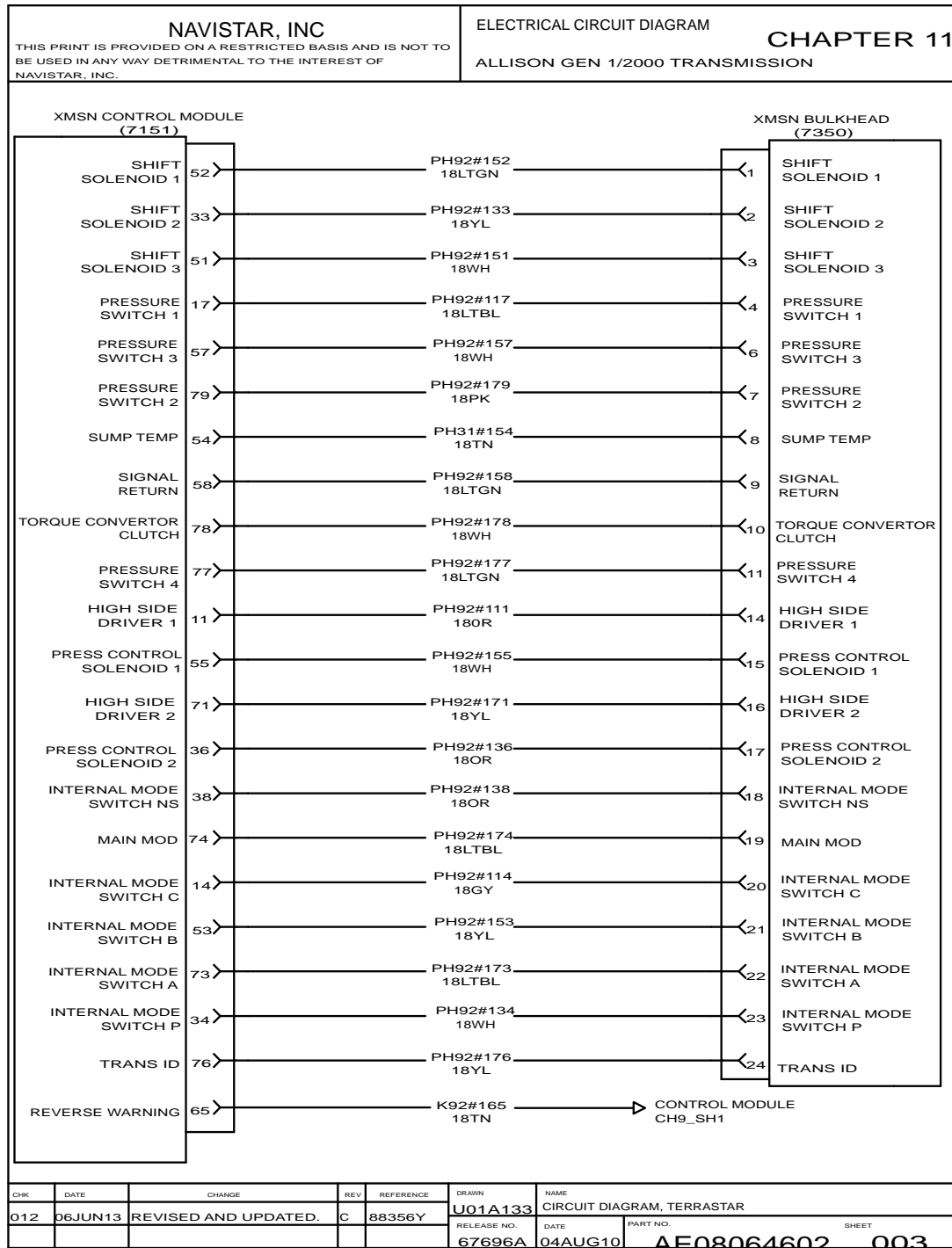


Figure 141 Allison Gen 1/2000 Transmission

11.4. TRANSMISSION ALLISON MD (WTEC), P. 4

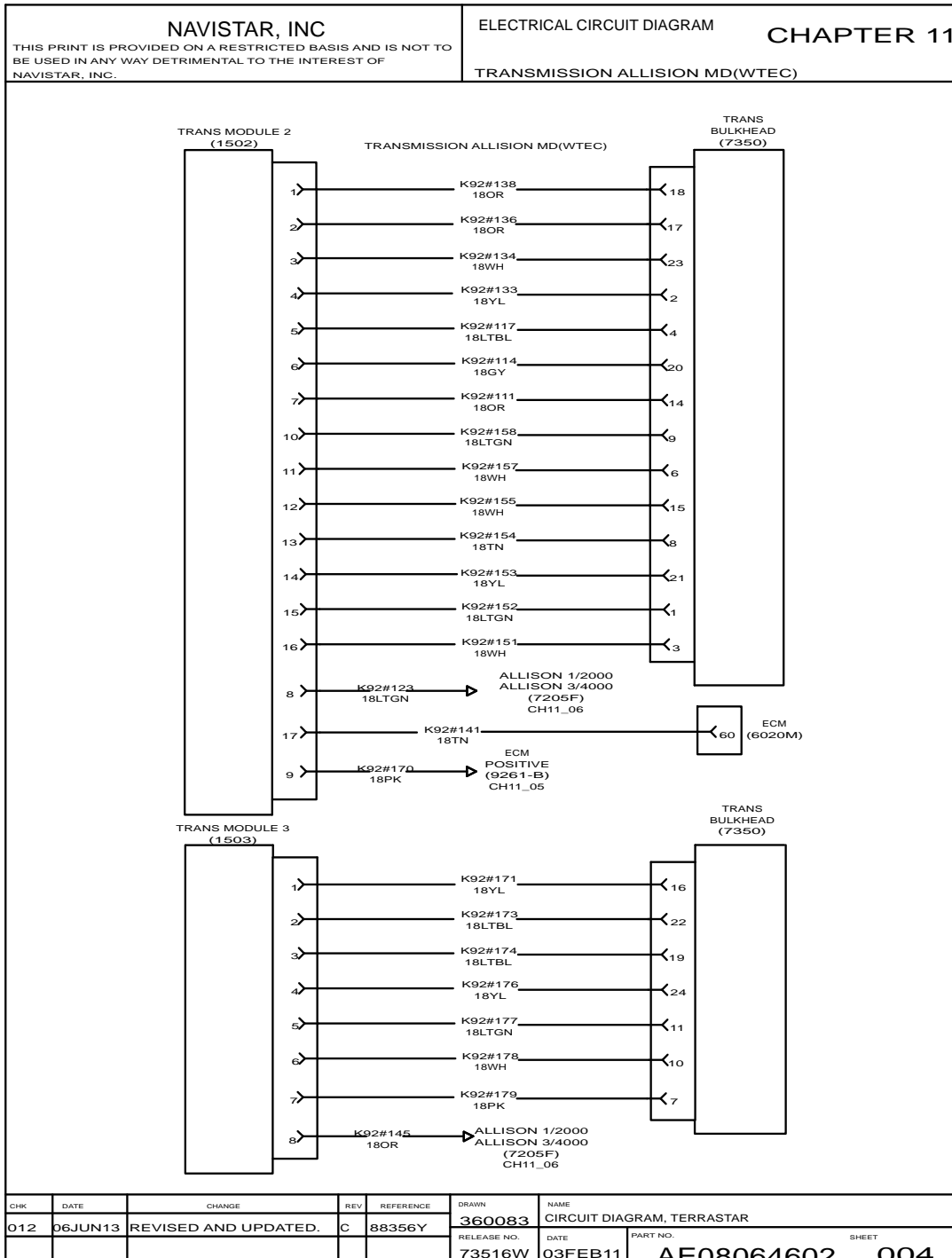


Figure 142 Transmission Allison MD (WTEC)

11.5. ALLISON TRANSMISSION 1/2000 WITH IN-CAB TCM, P. 5

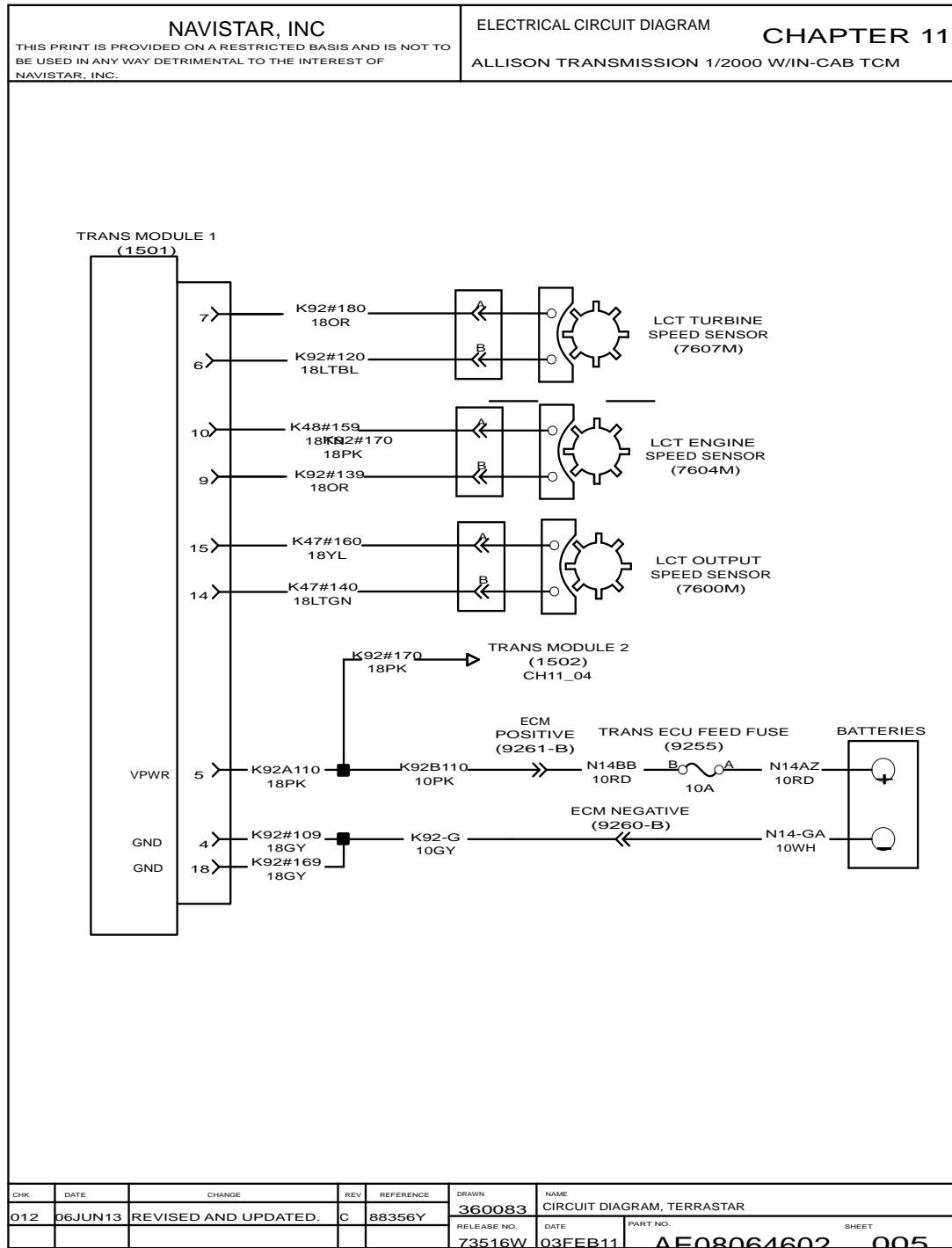


Figure 143 Allison Transmission 1/2000 with In-Cab TCM

11.6. SHIFTER INTERLOCK EFFECTS, P. 6

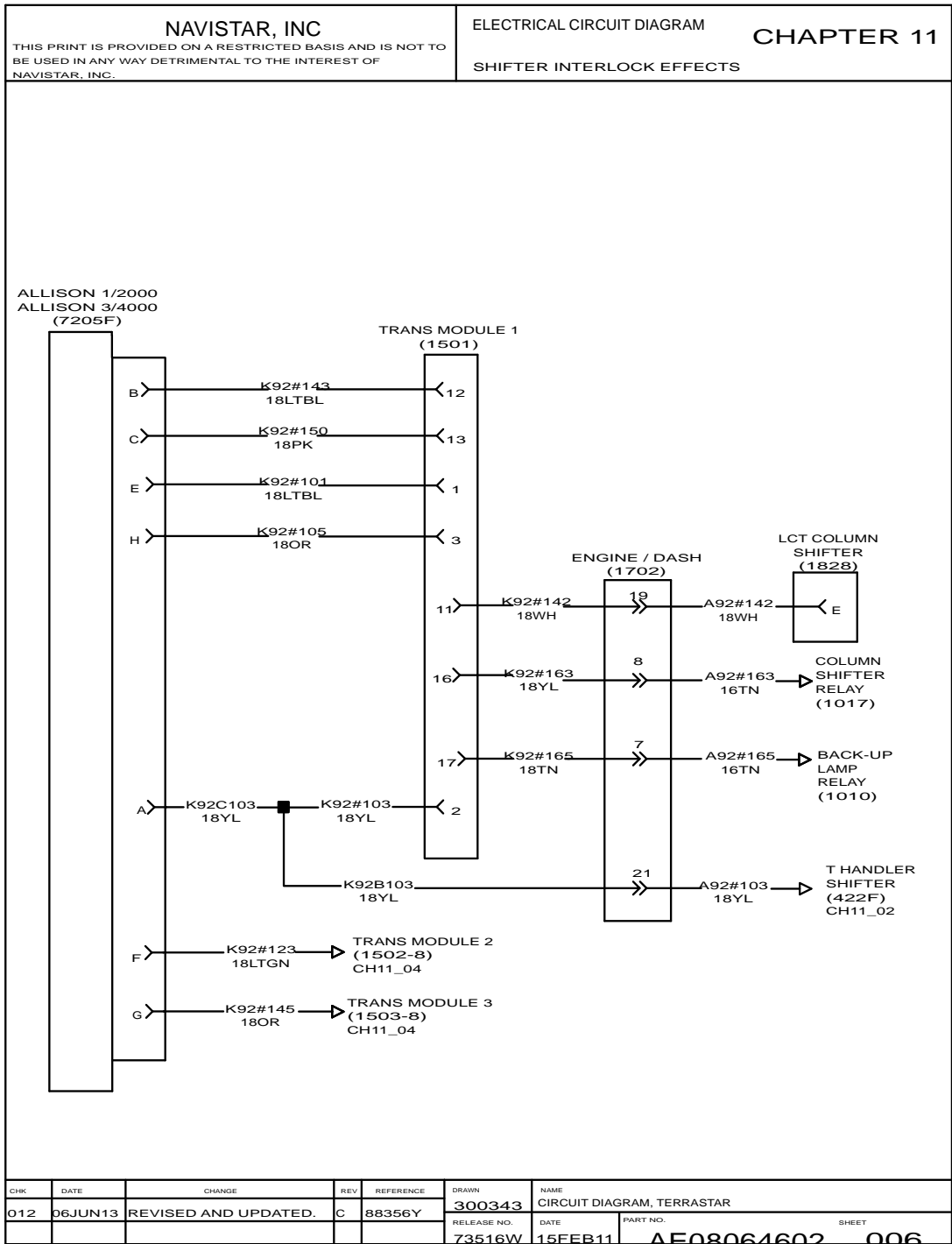


Figure 144 Shifter Interlock Effects



11.7. SHIFTER INTERLOCK EFFECT (CONT.), P. 7

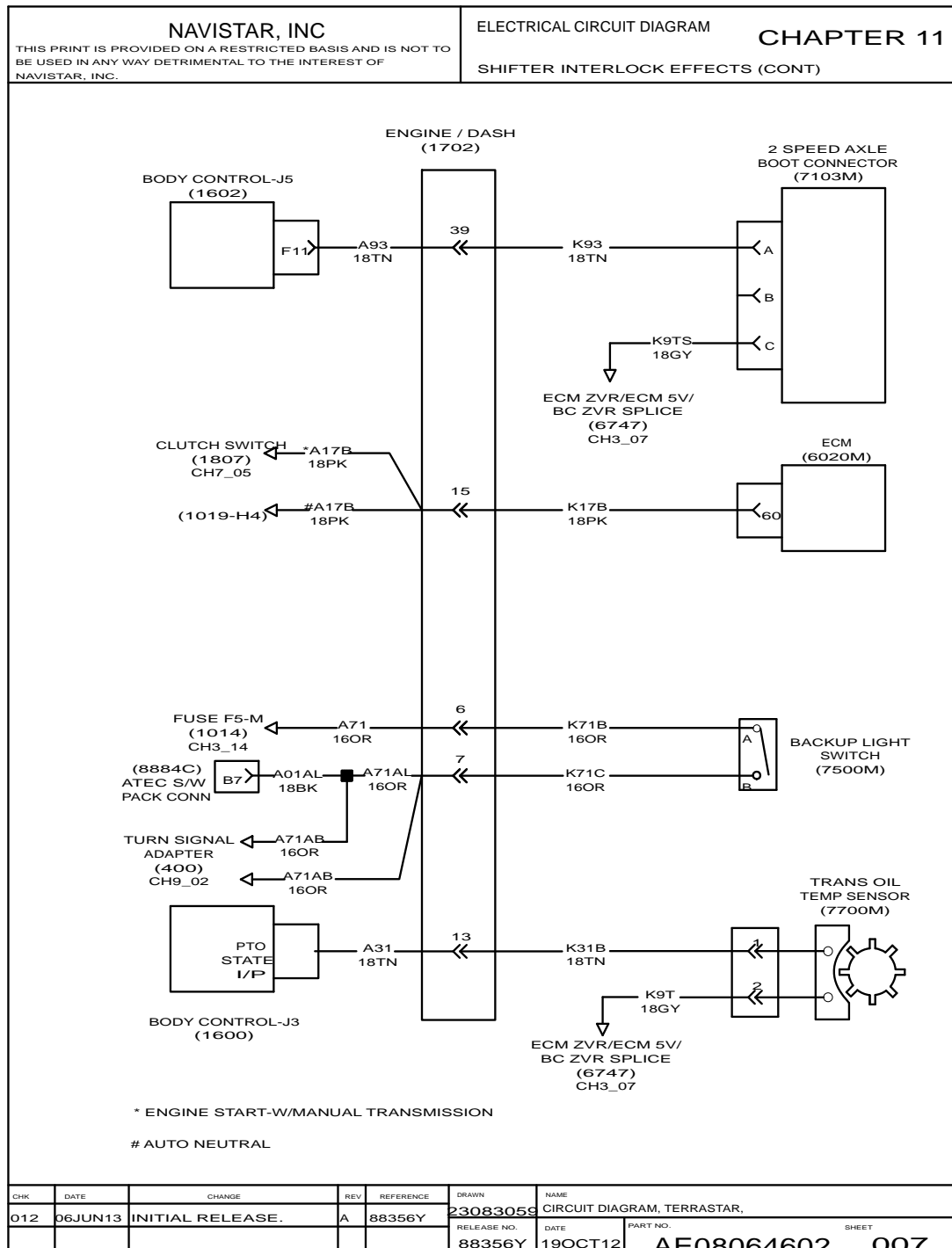


Figure 145 Shifter Interlock Effect (Cont.)

11.8. ALLISON WTEC TRANSMISSION GEN 8, P. 8

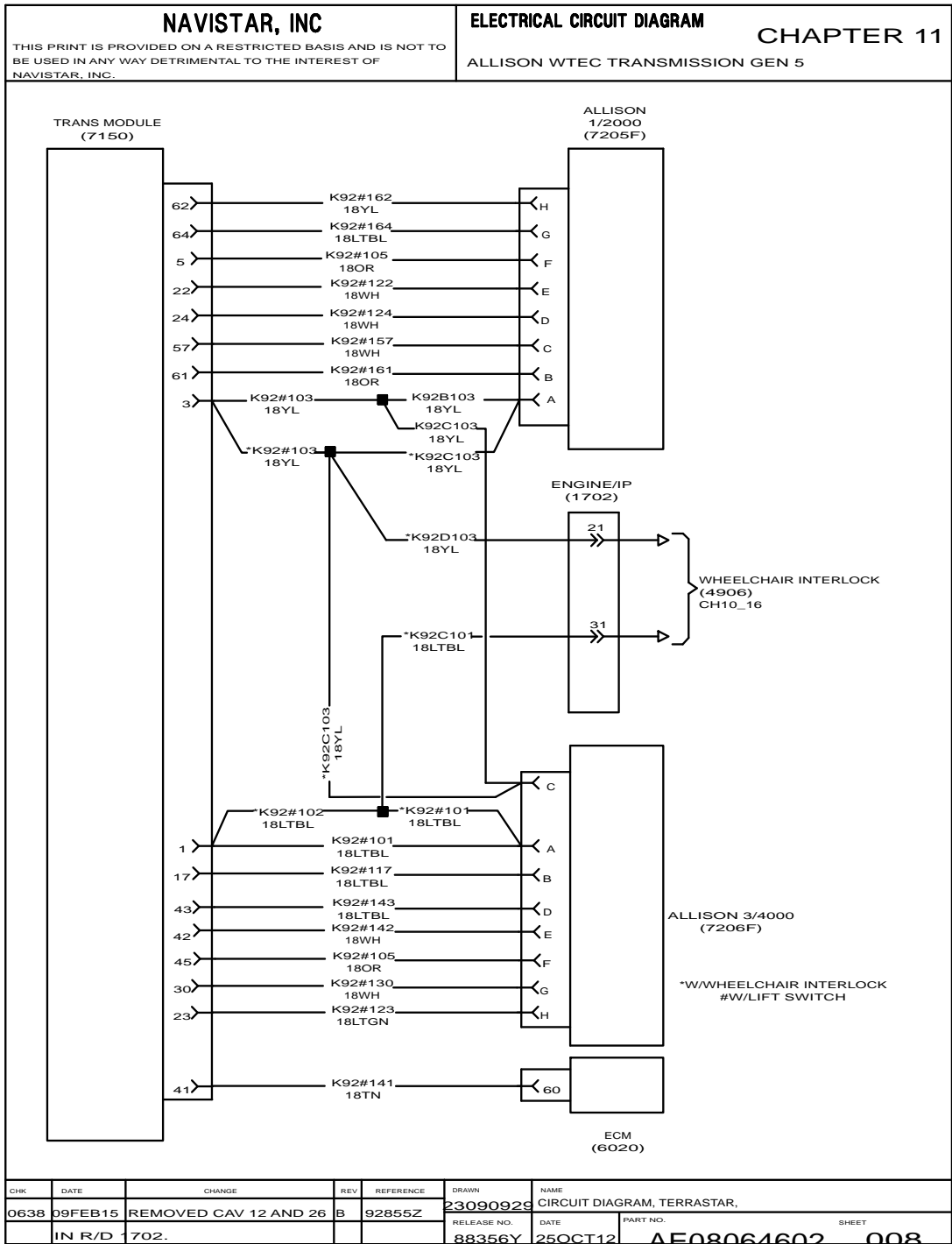


Figure 146 Allison WTEC Transmission Gen 8

11.9. WTEC GEN 4 TRANSMISSION, P. 9

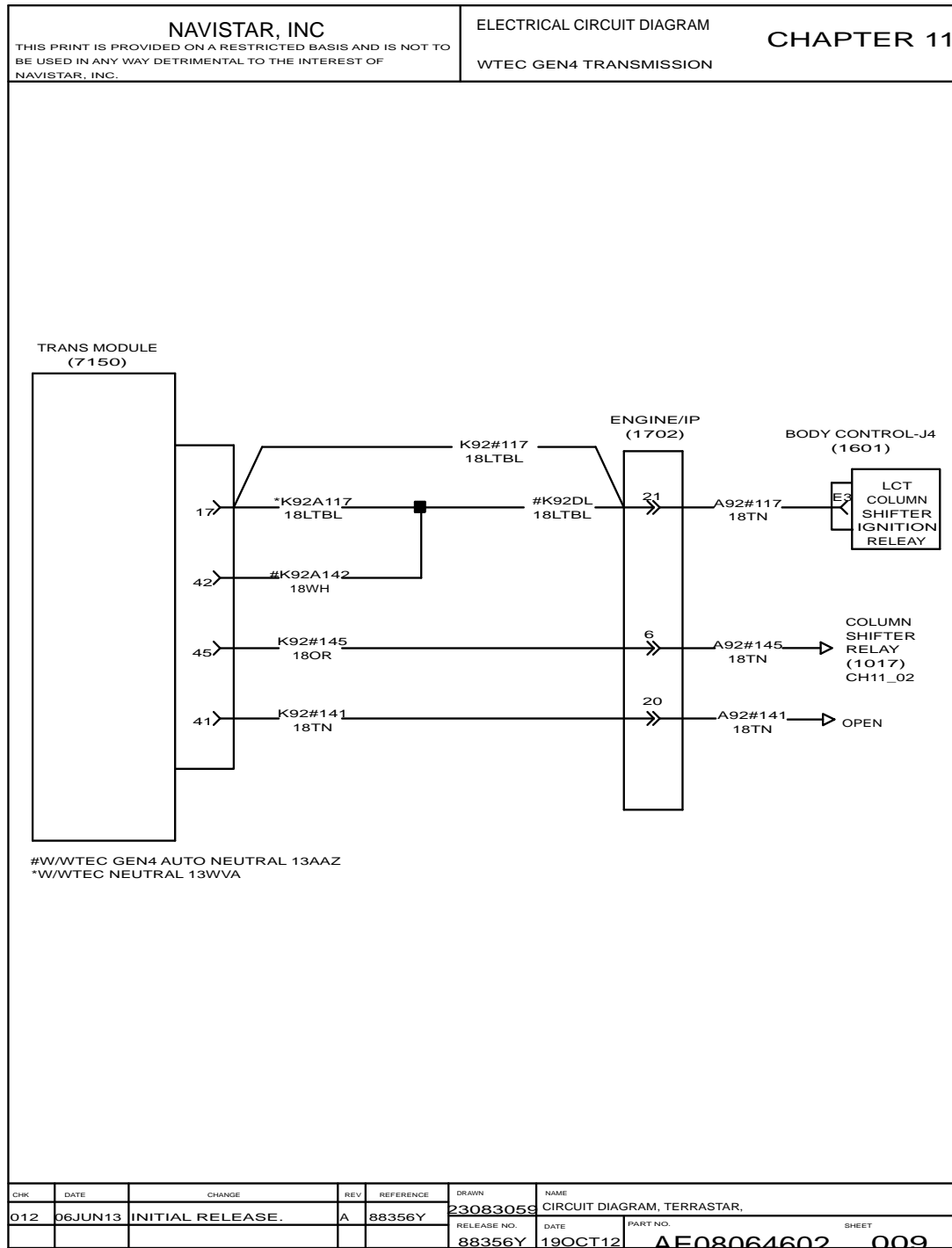


Figure 147 WTEC GEN 4 Transmission

11.10. WTEC GEN 4 TRANSMISSION (CONT.), P. 10

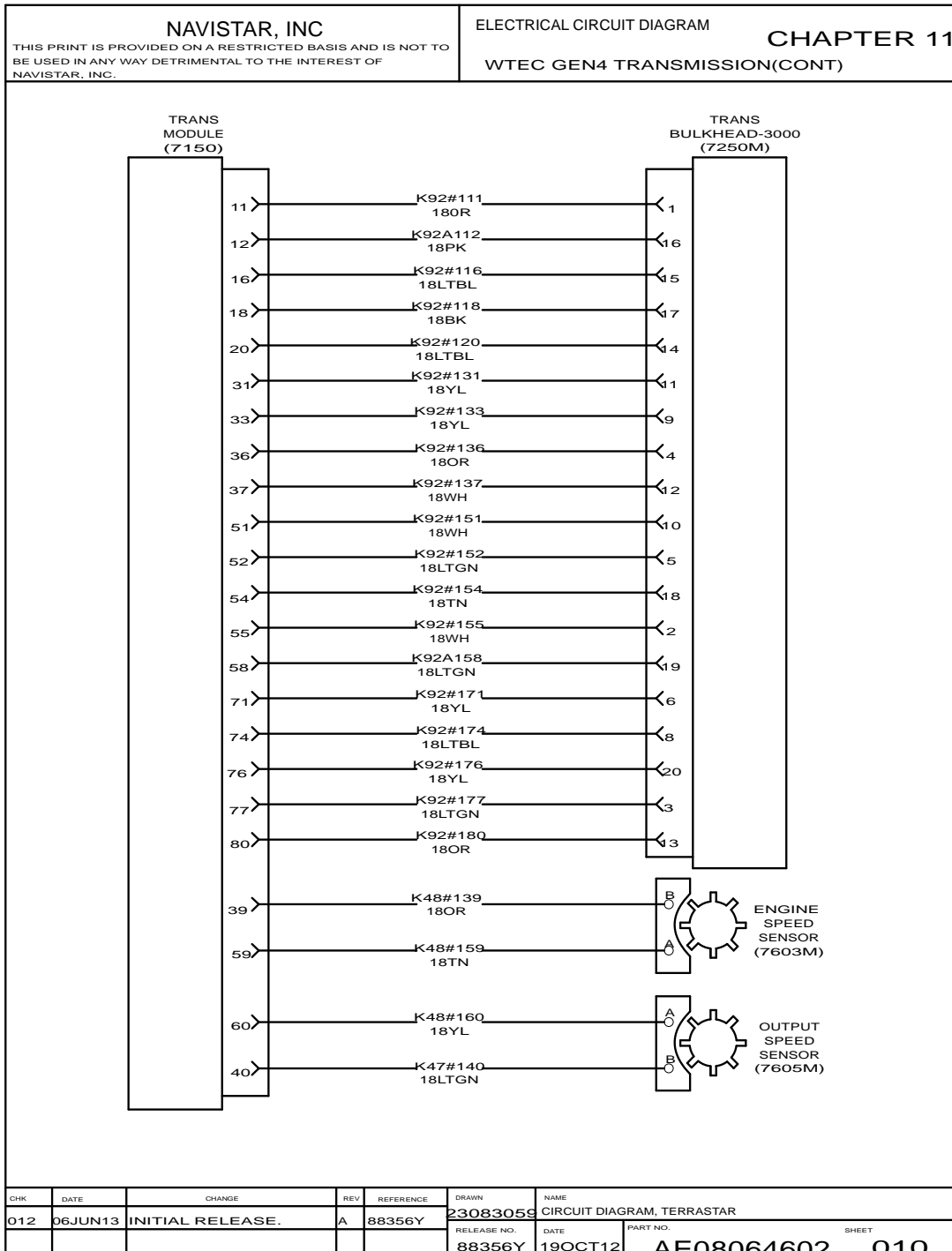


Figure 148 WTEC GEN 4 Transmission (Cont.)

11.11. TRANSMISSION RETARDER CONTROLS WIRING WITH MD TRANSMISSION HARD WIRED EFFECTS, P. 11

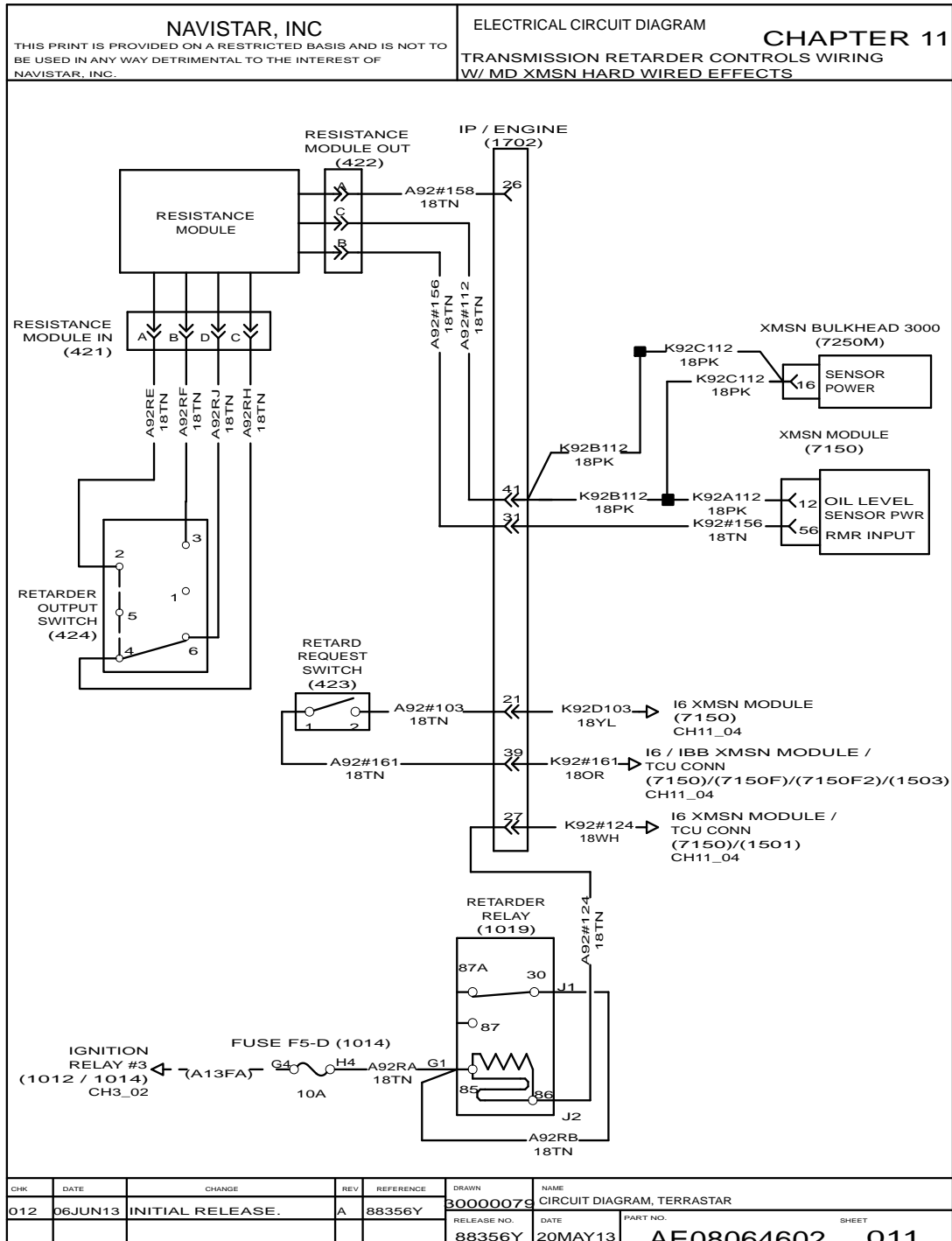
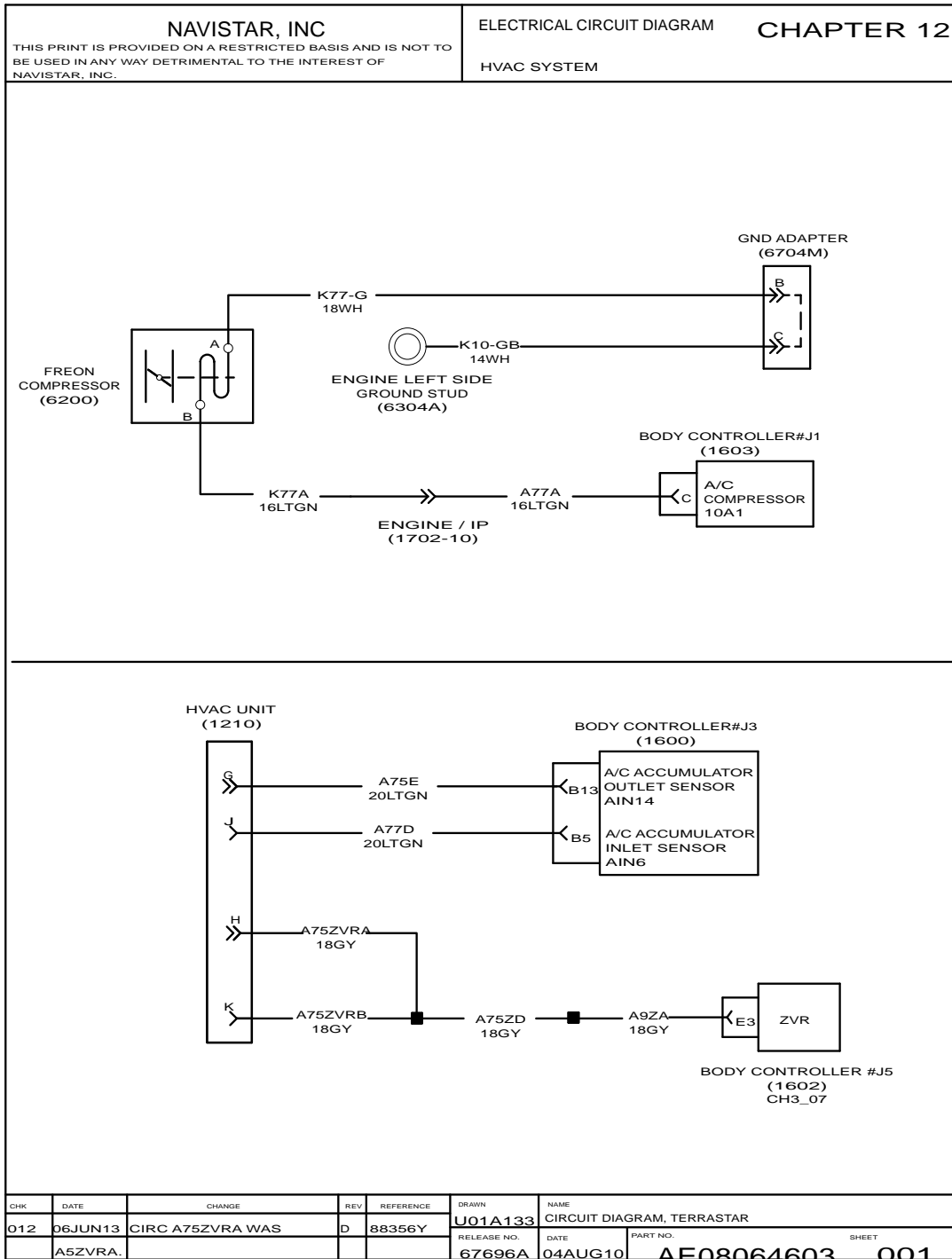


Figure 149 Transmission Retarder Controls Wiring with MD Transmission Hard Wired Effects

## AIR CONDITIONING (CHAPTER 12)

### 12.1. HVAC SYSTEM, P. 1



**Figure 150 HVAC System**

12.2. HVAC SYSTEM (CONT.), P. 2

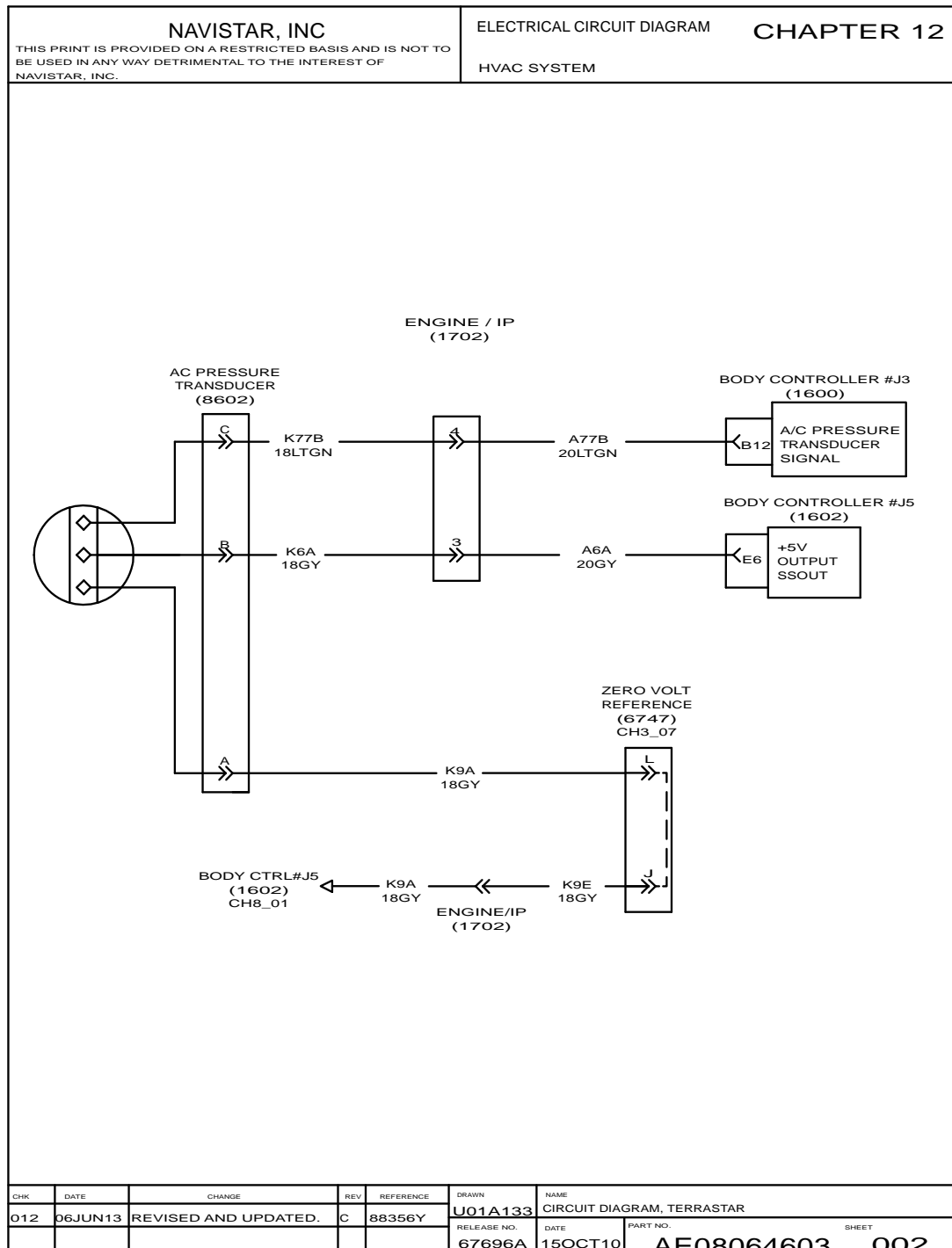


Figure 151 HVAC System

12.3. AIR CONDITIONING, P. 3

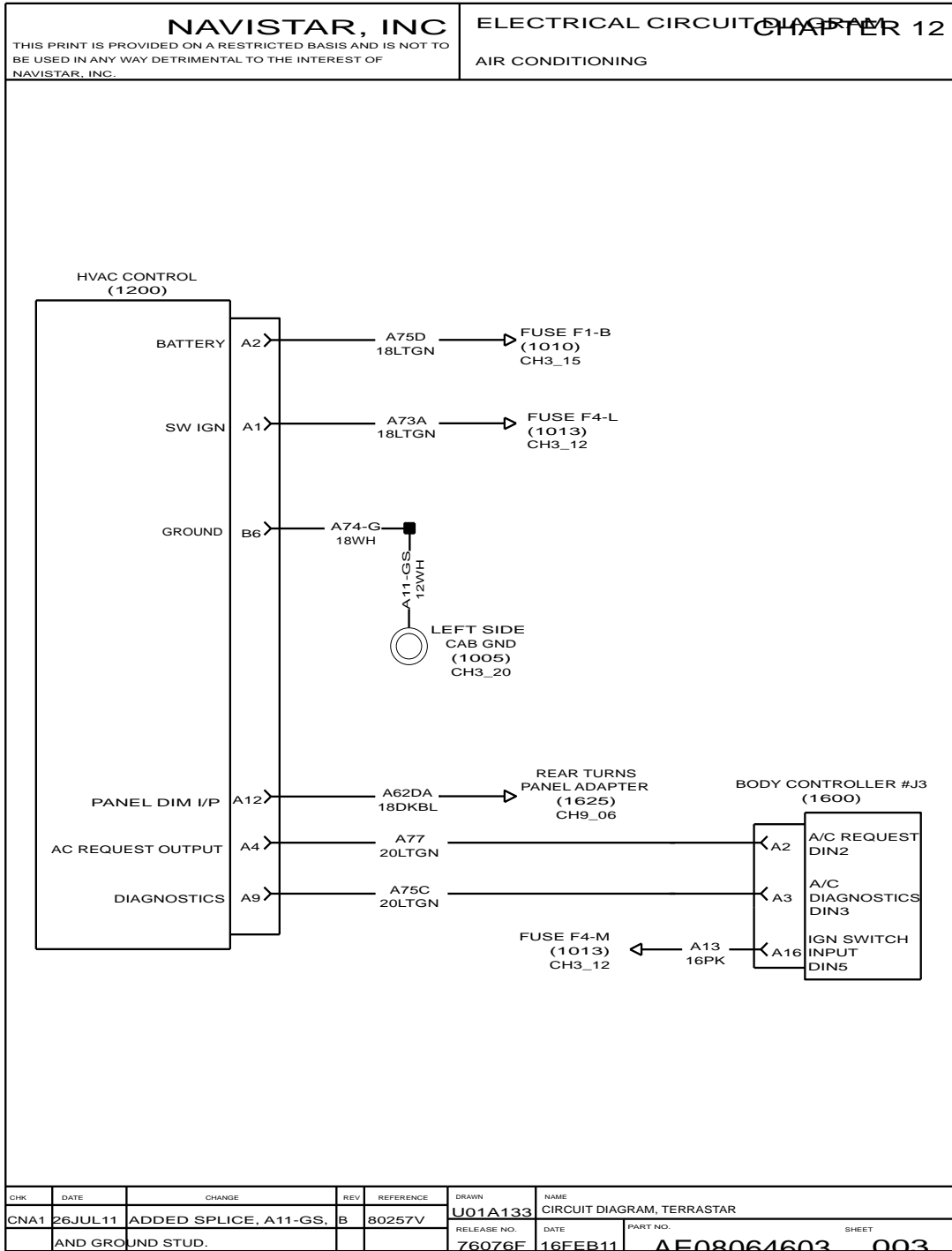


Figure 152 Air Conditioning



12.4. AIR CONDITIONING (CONT.), P. 4

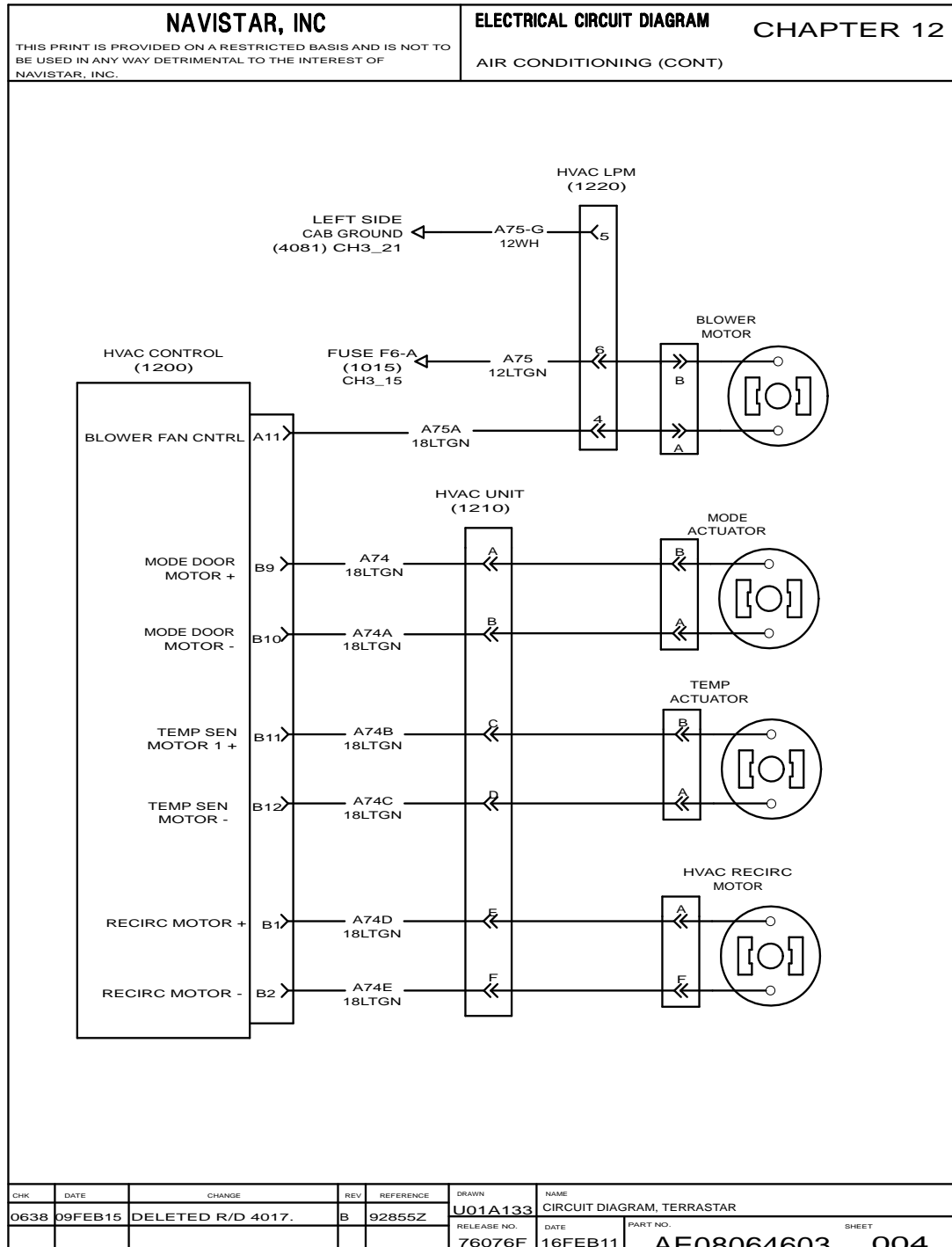
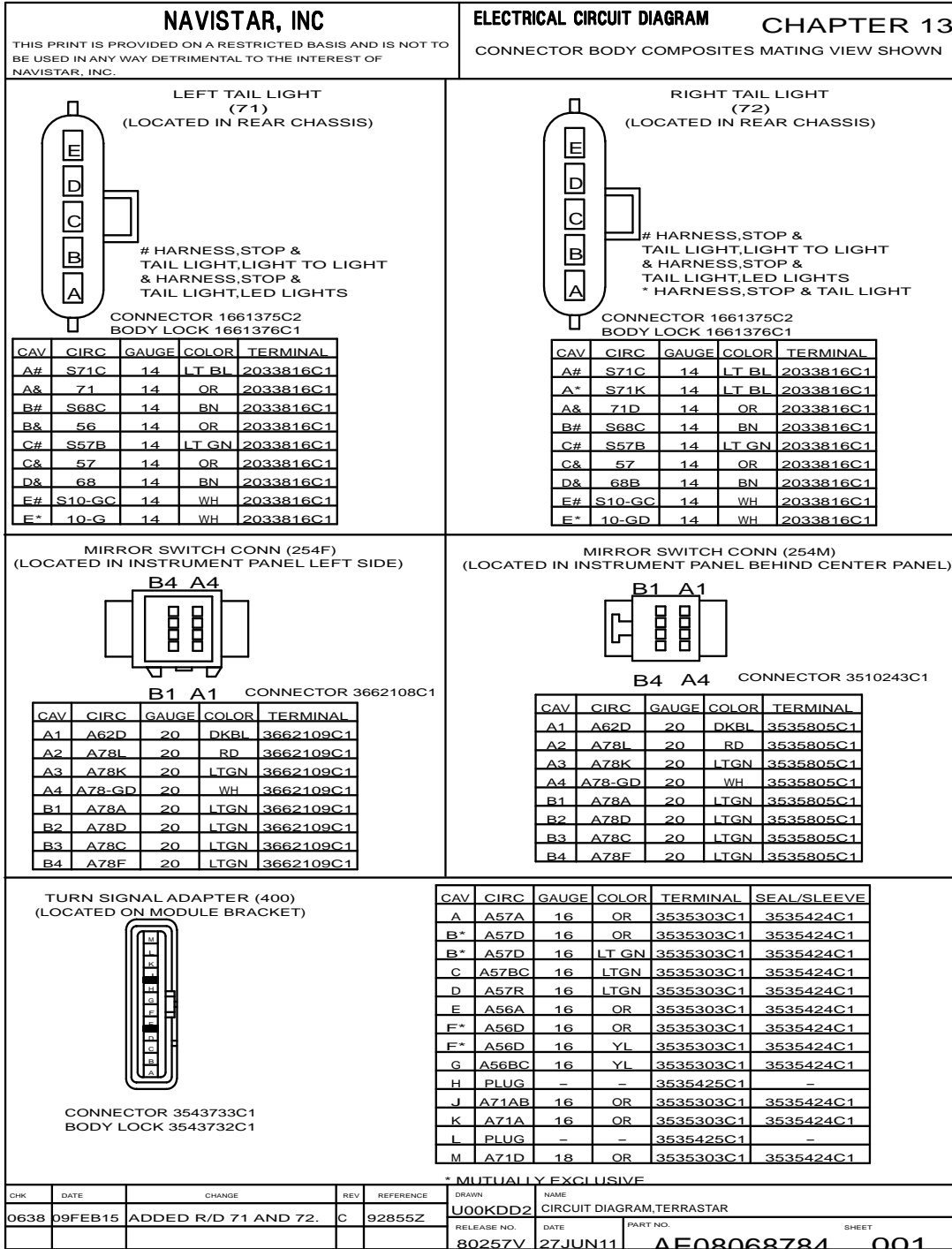


Figure 153 Air Conditioning (Cont.)

## CONNECTOR BODY COMPOSITES (CHAPTER 13)

### 13.1. CONNECTOR BODY COMPOSITES (71 / 72 / 254F / 254M / 400), P. 1



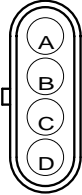
**Figure 154 Connector Body Composites (71 / 72 / 254F / 254M / 400)**

13.2. CONNECTOR BODY COMPOSITES (421 / 422 / 422F / 423), P. 2

<b>NAVISTAR, INC</b>		<b>ELECTRICAL CIRCUIT DIAGRAM</b>		<b>CHAPTER 13</b>	
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			

RESISTANCE MODULE IN (421)  
(LOCATED IN INSTRUMENT PANEL CENTER)

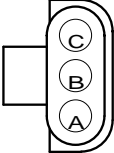


CAV	CIRC	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	A92RE	18	TN	0587578C1	3517771C1
B	A92RF	18	TN	0587578C1	3517771C1
C	A92RH	18	TN	0587578C1	3517771C1
D	A92RJ	18	TN	0587578C1	3517771C1

CONNECTOR 0587571C91

REISSTANCE MODULE OUT (422)  
(LOCATED IN INSTRUMENT PANEL CENTER)

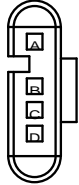


CAV	CIRC	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	A92#158	18	TN	0587578C1	3517771C1
B	A92#156	18	TN	0587578C1	3517771C1
C	A92#112	18	TN	0587578C1	3517771C1

CONNECTOR 3519221C91

LCT T HANDLE SHIFTER (422F)  
(LOCATED IN INSTRUMENT PANEL)



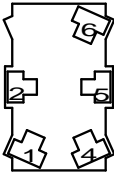
CAV	CIRC	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	A92A163	16	TN	1661875C1	1661872C1
B	A92D	18	TN	1661875C1	3568570C1
C	A92#142	18	TN	1661875C1	3568570C1
D*	A92A103	18	TN	1661875C1	3568570C1
D*	A92#103	18	TN	1661875C1	3568570C1
D*	A92B103	18	TN	1661875C1	3568570C1

CONNECTOR 3540756C1  
BODY LOCK 3540758C1

\* MUTUALLY EXCLUSIVE

RETARD REQUEST SWITCH (423)  
(LOCATED IN INSTRUMENT PANEL CENTER)



CAV	CIRC	GAUGE	COLOR	TERMINAL
1	A92#161	18	TN	1661224C1
2	A92#103	18	TN	1661224C1
4	PLUG	-	-	-
5	PLUG	-	-	-
6	PLUG	-	-	-

CONNECTOR 1673743C1

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
0638	09FEB15	ADDED R/D 421, 422	C	92855Z	U00KDD2	CIRCUIT DIAGRAM, TERRASTAR
	AND 423	REMOVED R/D 1800FA.			RELEASE NO. 80257V	DATE A
					PART NO. AE08068784	SHEET 002

Figure 155 Connector Body Composites (421 / 422 / 422F / 423)

13.3. CONNECTOR BODY COMPOSITES (424 / 828 / 1008FA), P. 2A

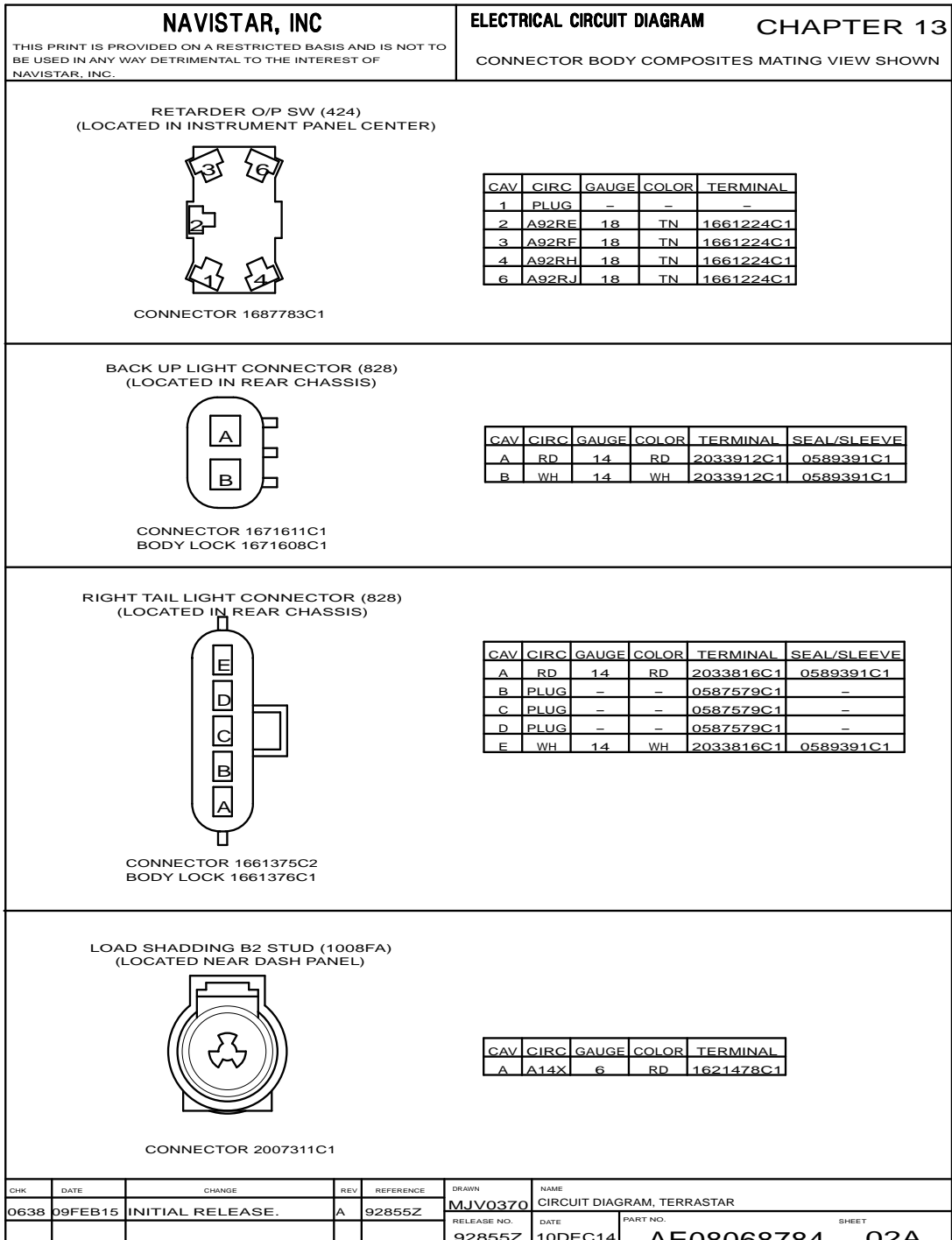


Figure 156 Connector Body Composites (424 / 828 / 1008FA)

13.4. CONNECTOR BODY COMPOSITES (1010), P. 3

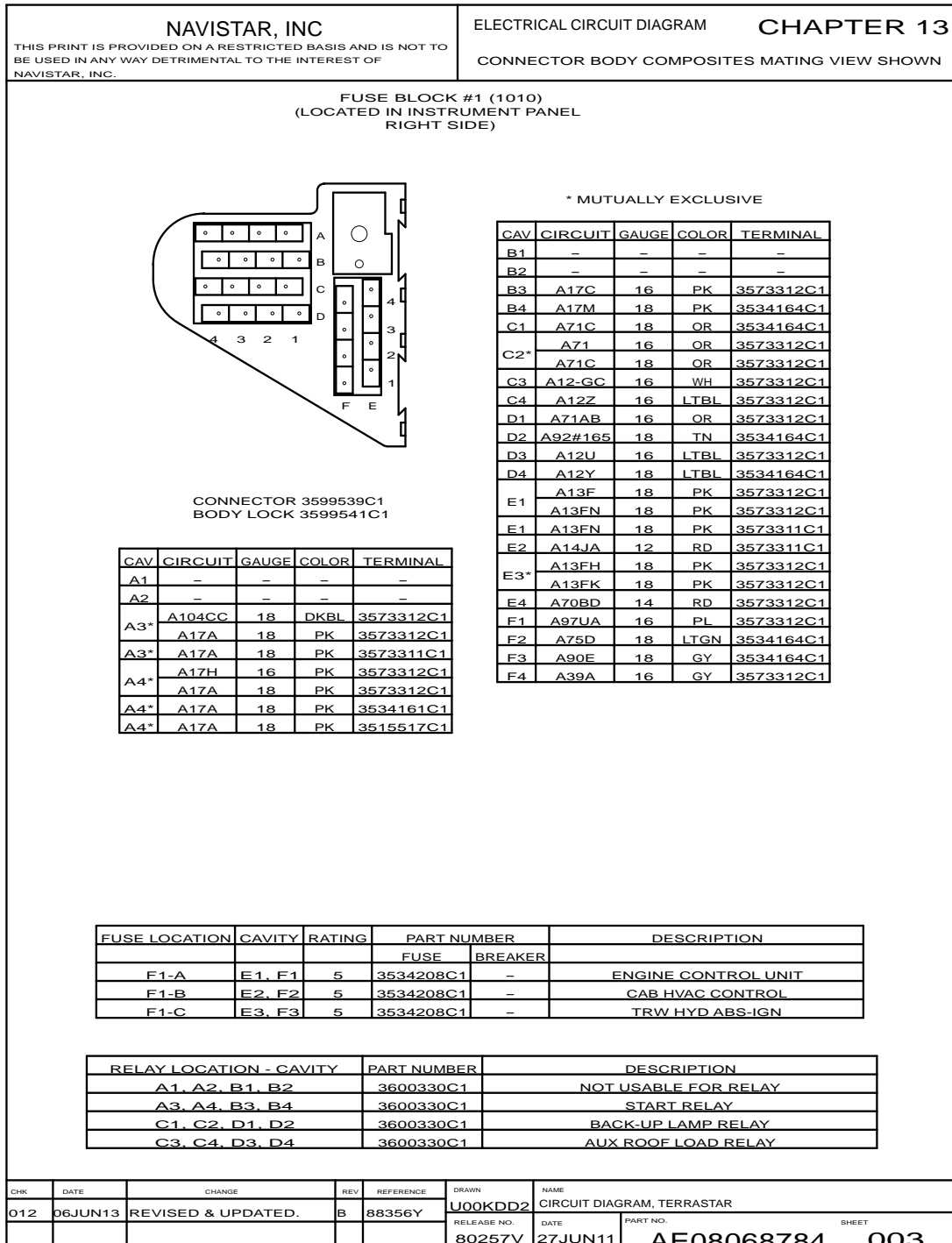


Figure 157 Connector Body Composites (1010)

13.5. CONNECTOR BODY COMPOSITES (1011), P. 4

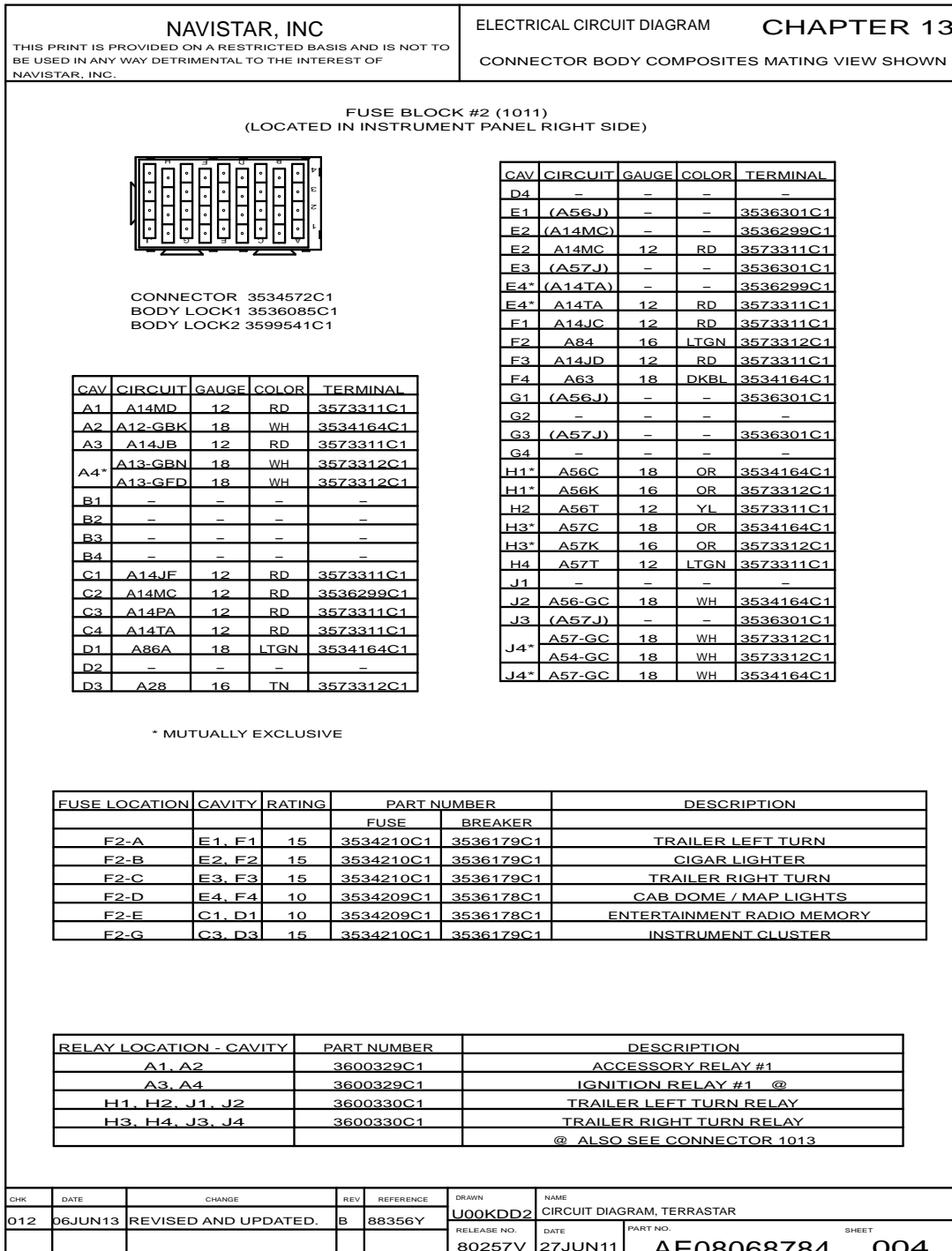


Figure 158 Connector Body Composites (1011)

13.6. CONNECTOR BODY COMPOSITES (1012), P. 5

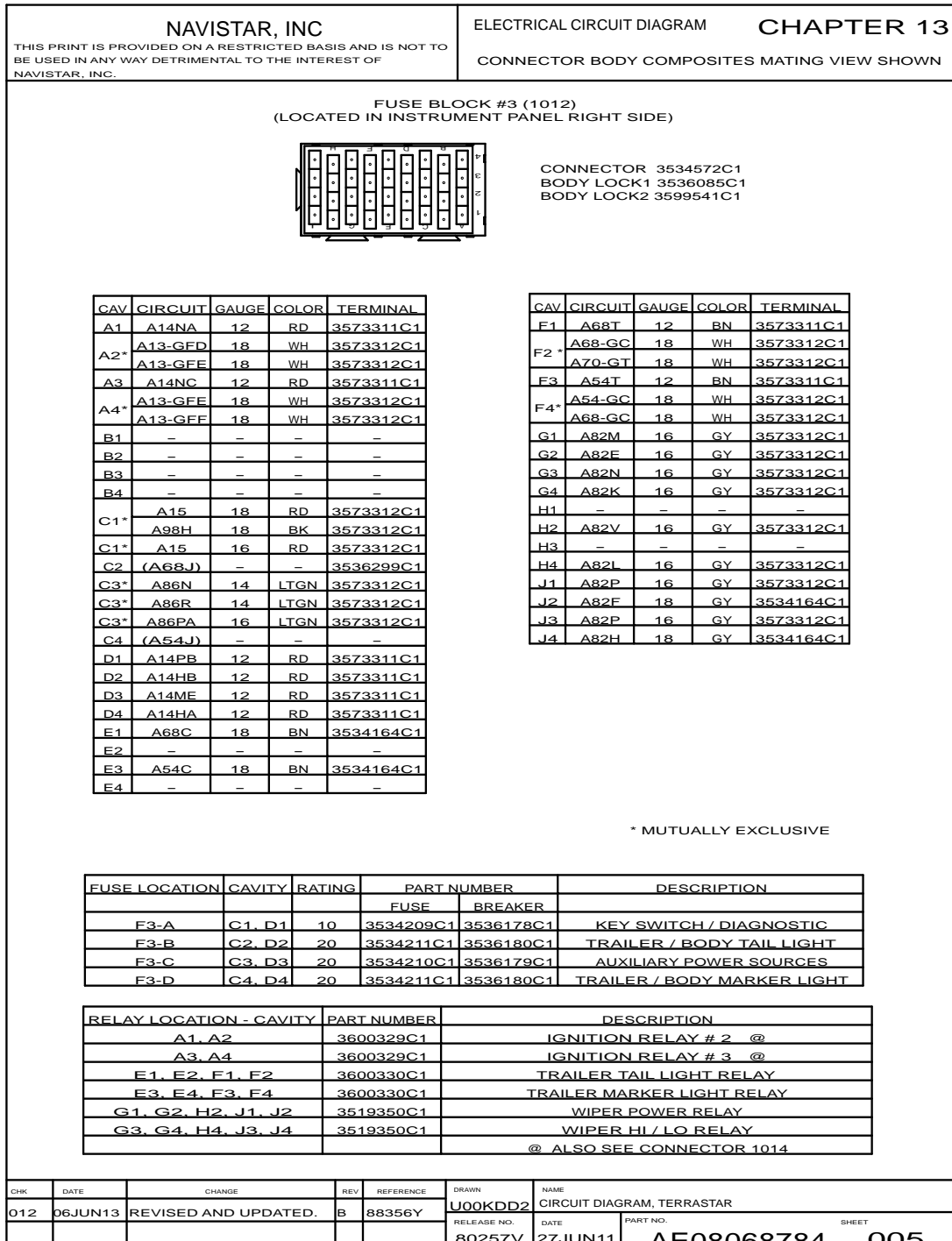


Figure 159 Connector Body Composites (1012)

13.7. CONNECTOR BODY COMPOSITES (1013), P. 6

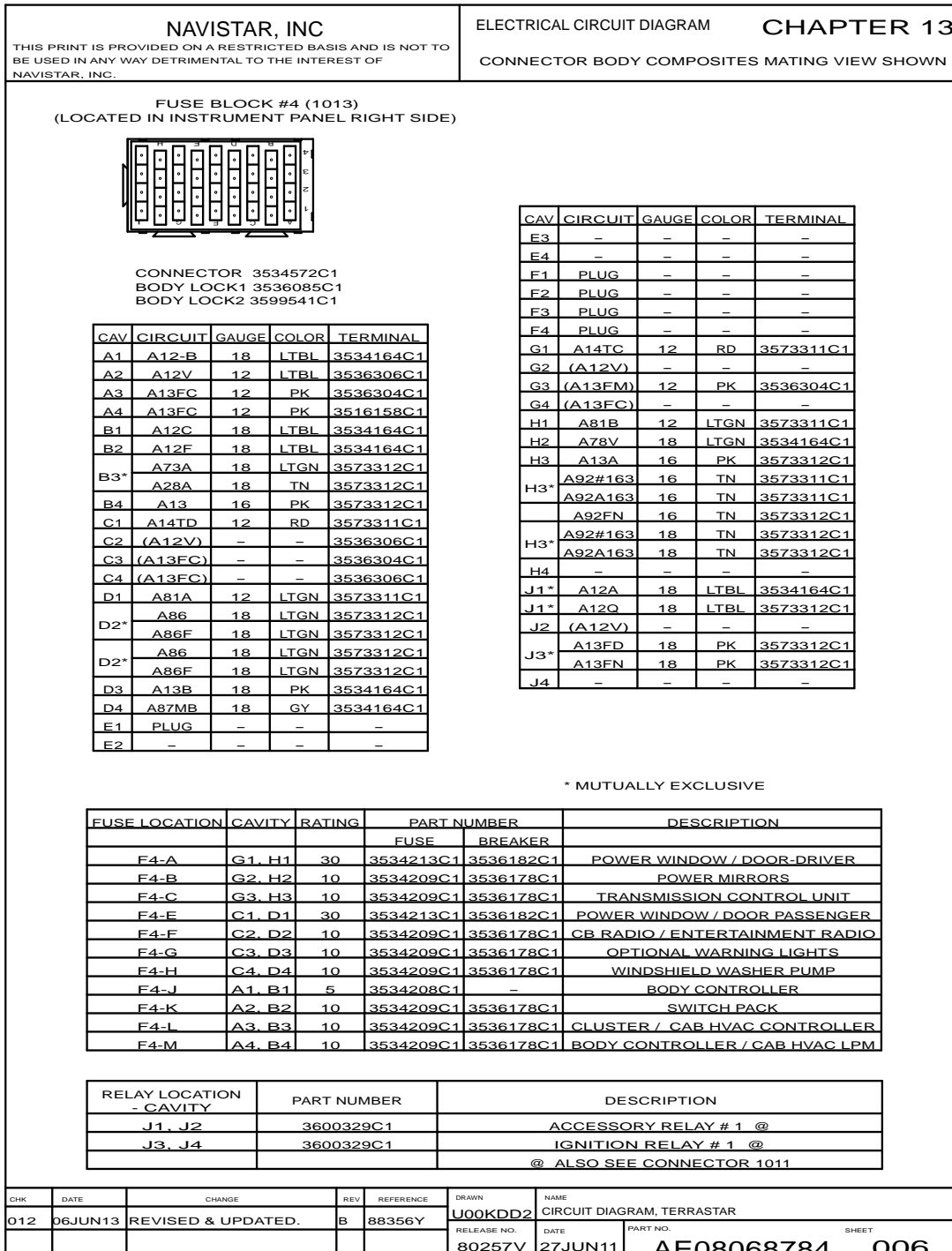


Figure 160 Connector Body Composites (1013)



13.8. CONNECTOR BODY COMPOSITES (1014), P. 7

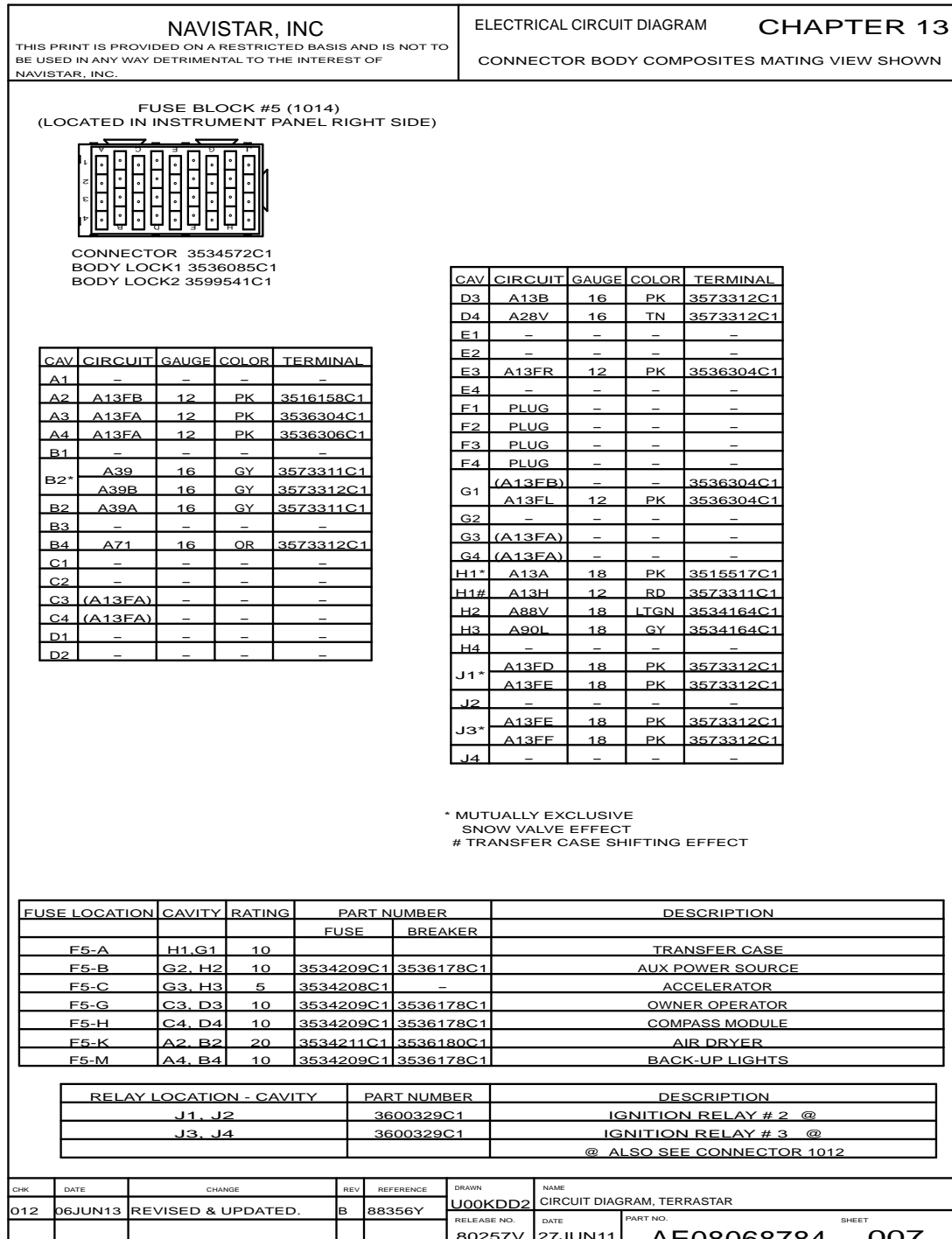


Figure 161 Connector Body Composites (1014)

13.9. CONNECTOR BODY COMPOSITES (1015), P. 8

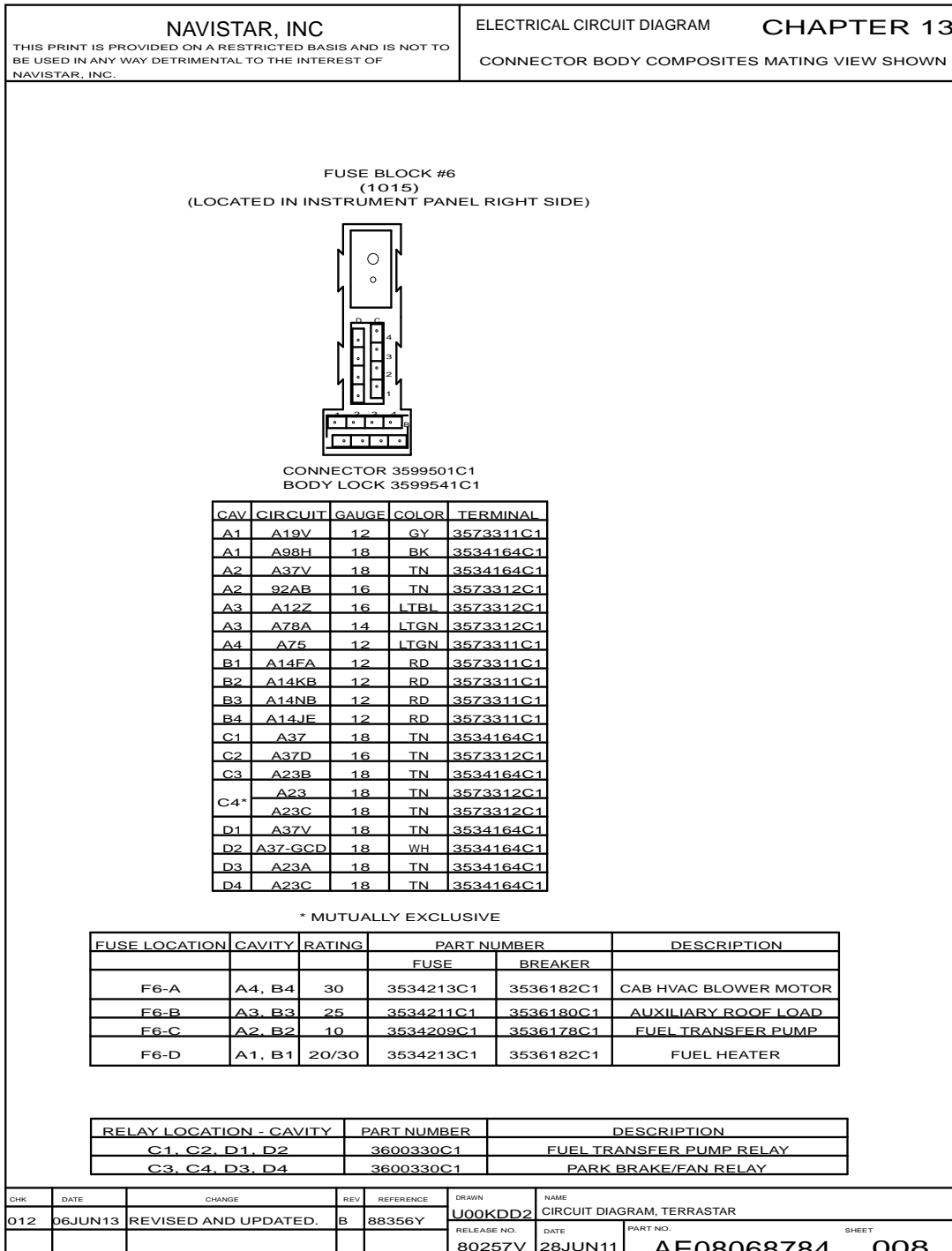


Figure 162 Connector Body Composites (1015)

13.10. CONNECTOR BODY COMPOSITES (1016), P. 9

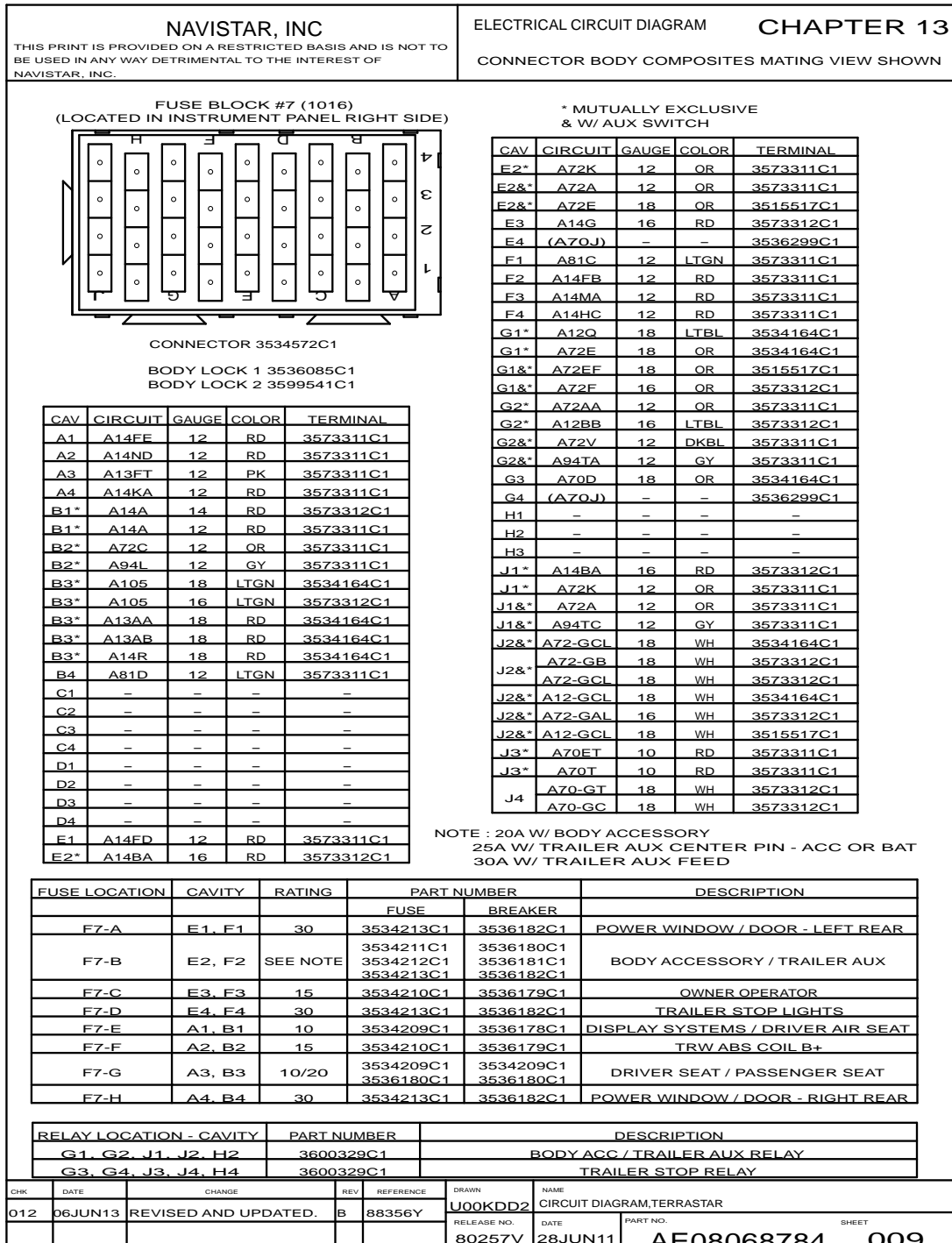


Figure 163 Connector Body Composites (1016)

13.11. CONNECTOR BODY COMPOSITES (1017), P. 10

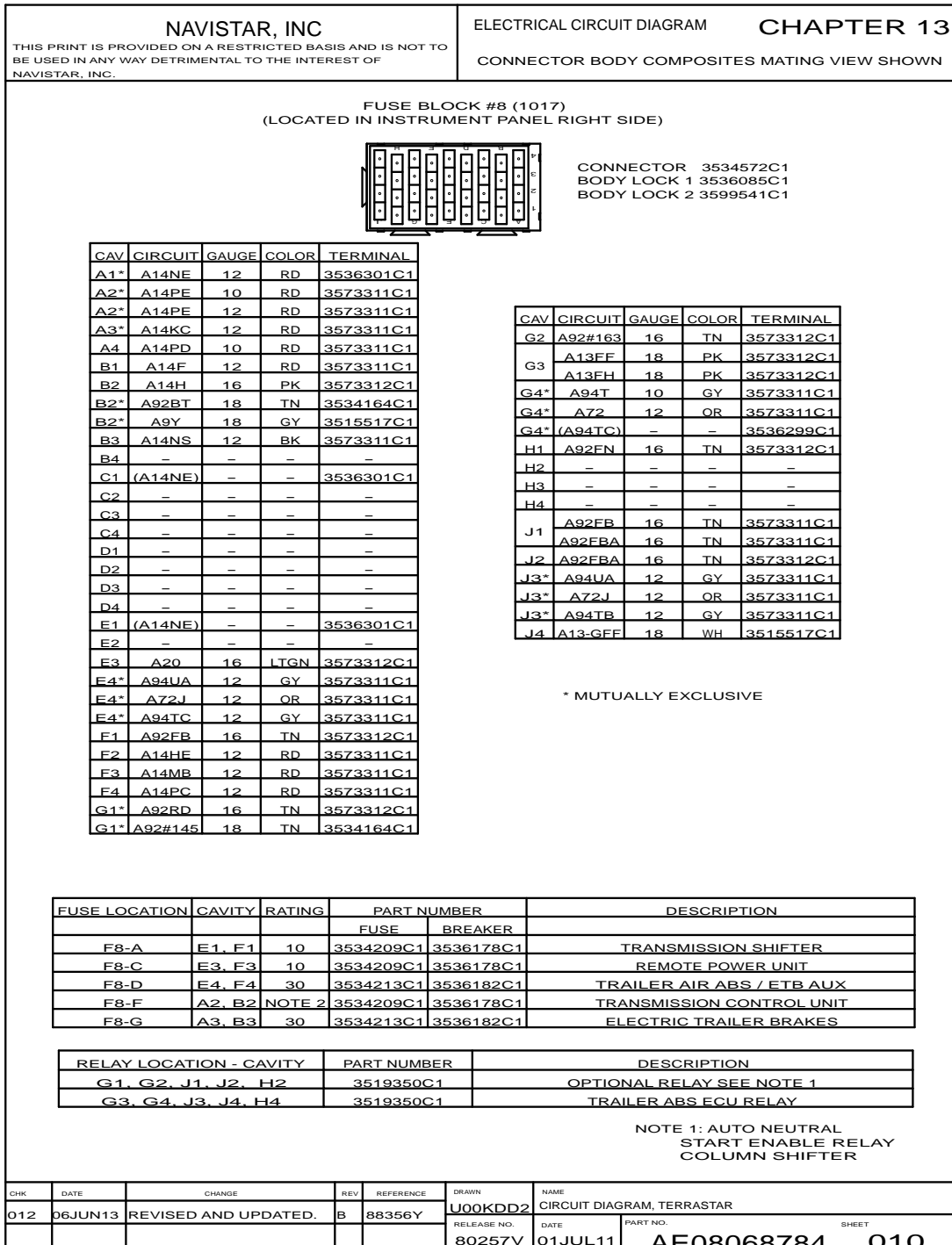


Figure 164 Connector Body Composites (1017)

13.12. CONNECTOR BODY COMPOSITES (1018), P. 11

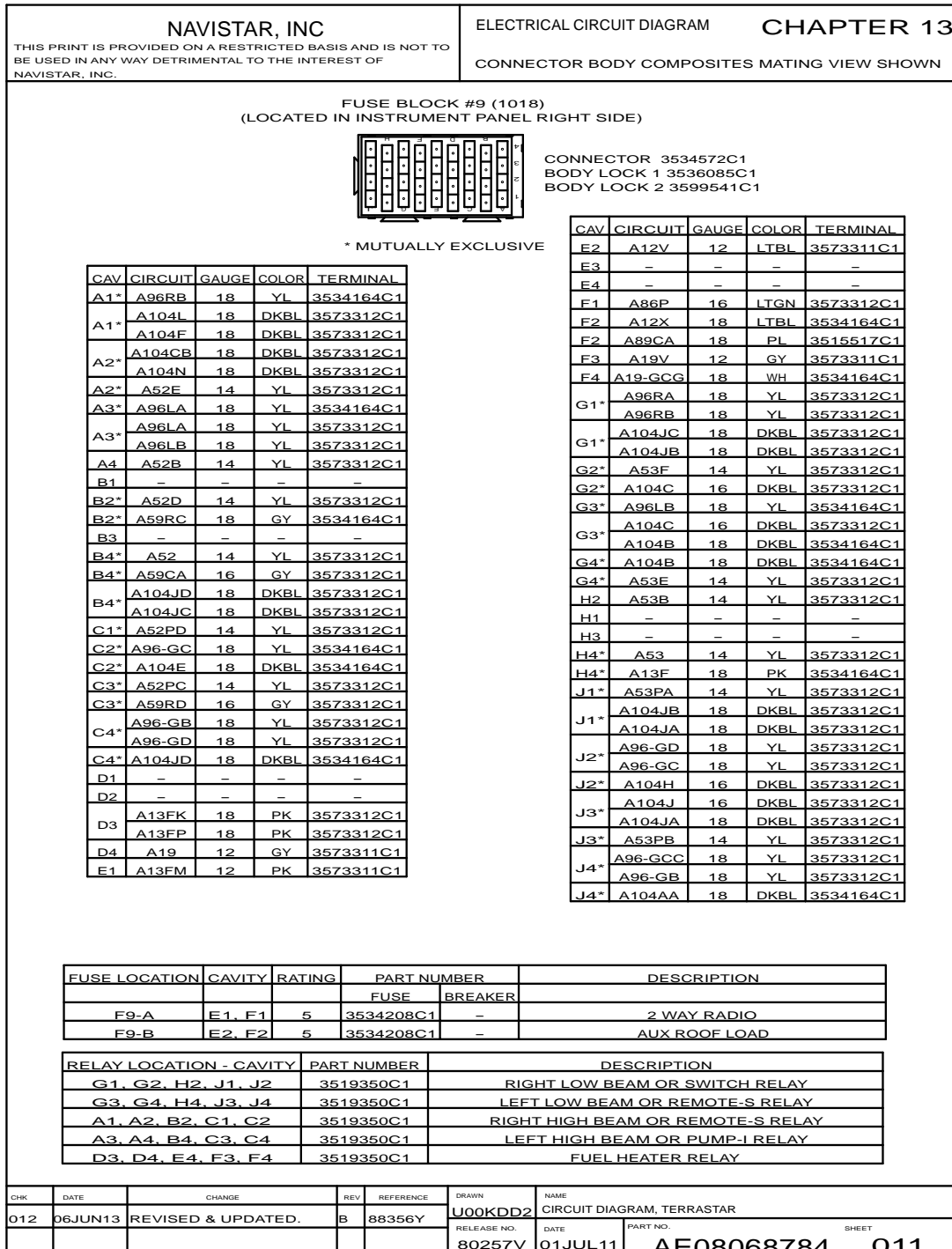


Figure 165 Connector Body Composites (1018)

13.13. CONNECTOR BODY COMPOSITES (1019), P. 12

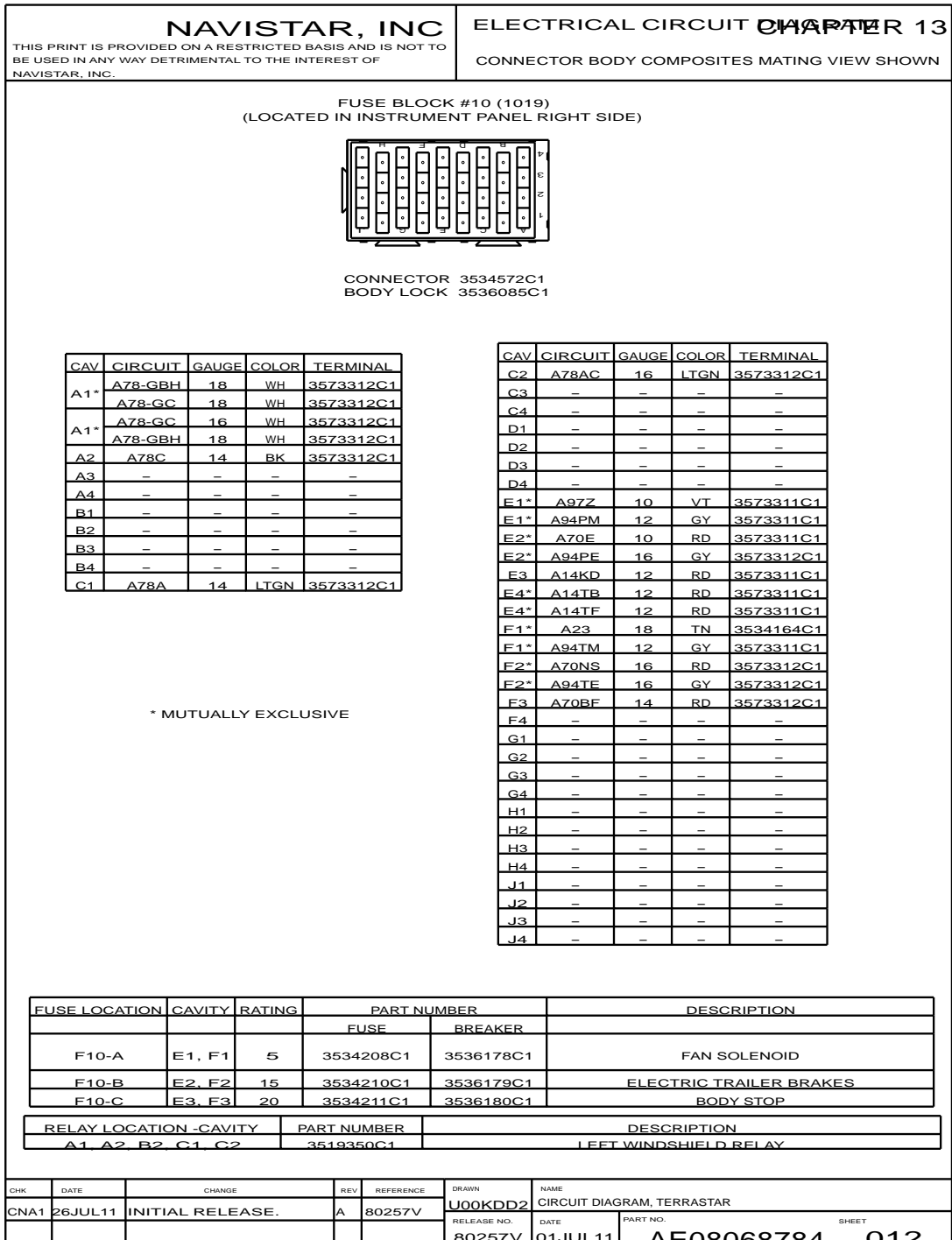


Figure 166 Connector Body Composites (1019)

13.14. CONNECTOR BODY COMPOSITES (1020), P. 13

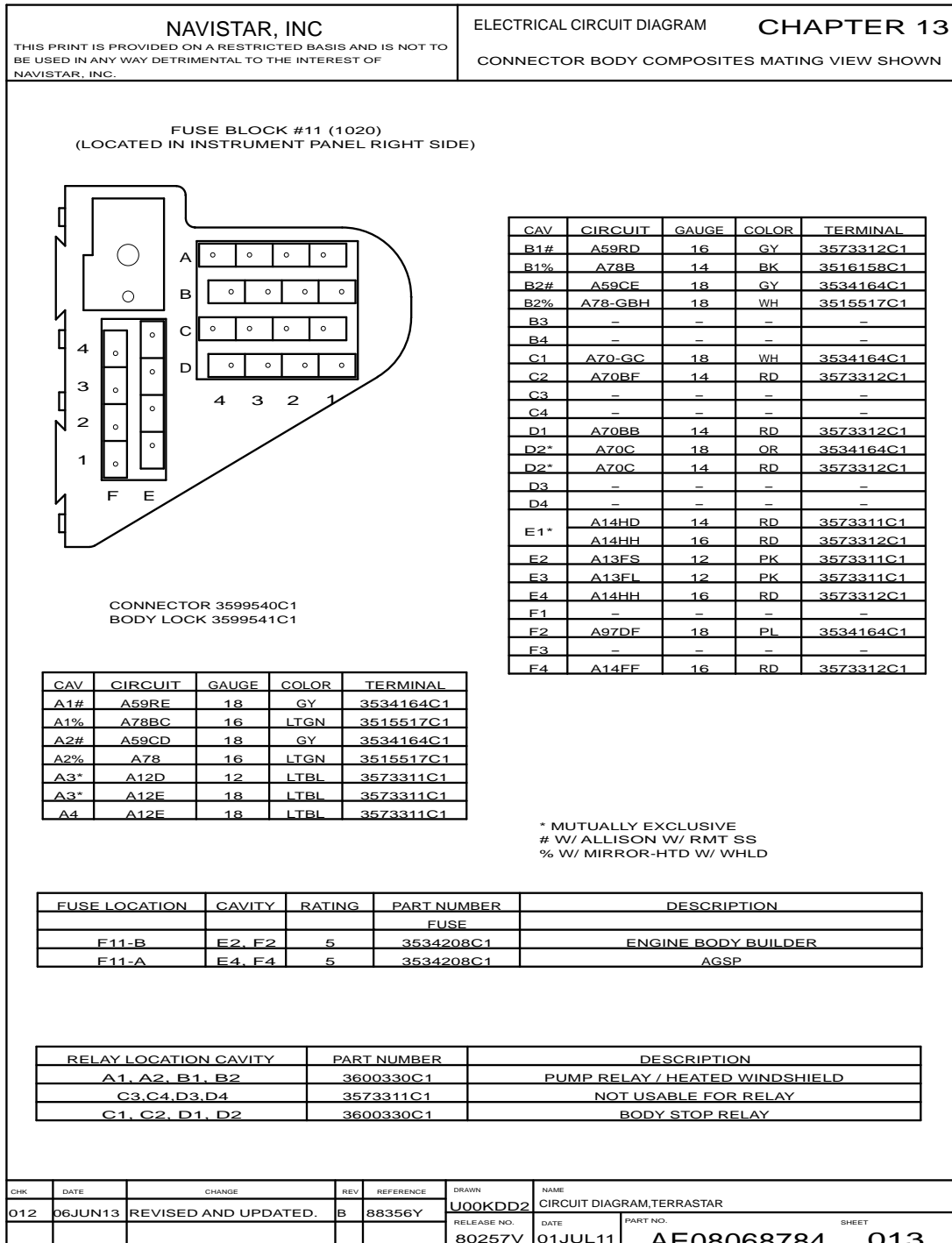


Figure 167 Connector Body Composites (1020)

13.15. CONNECTOR BODY COMPOSITES (1025 / 1026), P. 14

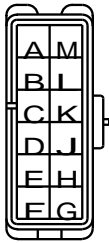
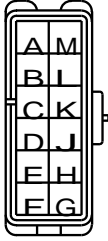
<p><b>NAVISTAR, INC</b>                  THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF NAVISTAR, INC.</p>				<p><b>ELECTRICAL CIRCUIT CHAPTER 13</b>                  CONNECTOR BODY COMPOSITES MATING VIEW SHOWN</p>																																																																																								
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Figure 168 Connector Body Composites (1025 / 1026)



13.16. CONNECTOR BODY COMPOSITES (1100 / 1100MA / 1101 / 1101A), P. 15

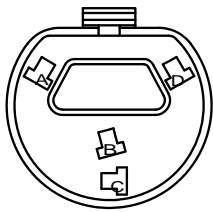
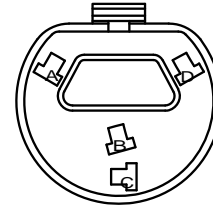
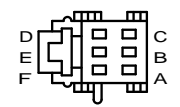

<b>NAVISTAR, INC</b>				<b>ELECTRICAL CIRCUIT DIAGRAM</b>				<b>CHAPTER 13</b>																																																																																			
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<p>LOC 1 &amp; 2 SWITCH PACK (1101) (LOCATED IN INSTRUMENT PANEL CENTER)</p>  <p>CONNECTOR 2031871C1 BODY LOCK 2031873C1</p> <table border="1" style="width:100%; border-collapse: collapse; font-size: x-small;"> <thead> <tr><th>CAV</th><th>CIRCUIT</th><th>GAUGE</th><th>COLOR</th><th>TERMINAL</th></tr> </thead> <tbody> <tr><td>A</td><td>A11-GKD</td><td>18</td><td>WH</td><td>1661261C1</td></tr> <tr><td>B</td><td>A12F</td><td>18</td><td>LTBL</td><td>1661261C1</td></tr> <tr><td>C</td><td>A62DB</td><td>18</td><td>DKBL</td><td>1661261C1</td></tr> <tr><td>D*</td><td>A3C(+)</td><td>18</td><td>DKBL</td><td>1661261C1</td></tr> <tr><td>D*</td><td>A3A(+)</td><td>18</td><td>DKBL</td><td>1661261C1</td></tr> <tr><td>E*</td><td>A3C(-)</td><td>18</td><td>GY</td><td>1661261C1</td></tr> <tr><td>E*</td><td>A3A(-)</td><td>18</td><td>GY</td><td>1661261C1</td></tr> <tr><td>F</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> </tbody> </table> <p>* MUTUALLY EXCLUSIVE</p>						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	-	-	-	-	<p>SWITCH PACK (1101A) (LOCATED IN INSTRUMENT PANEL CENTER)</p>  <p>CONNECTOR 2031872C1 BODY LOCK 2031874C1</p> <table border="1" style="width:100%; border-collapse: collapse; font-size: x-small;"> <thead> <tr><th>CAV</th><th>CIRC</th><th>GAUGE</th><th>COLOR</th><th>TERMINAL</th></tr> </thead> <tbody> <tr><td>A</td><td>A11-GJ</td><td>18</td><td>WH</td><td>1661262C1</td></tr> <tr><td>B</td><td>A12FC</td><td>18</td><td>LT BL</td><td>1661262C1</td></tr> <tr><td>C</td><td>A62S</td><td>18</td><td>DK BL</td><td>1661262C1</td></tr> <tr><td>D</td><td>PLUG</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>E</td><td>PLUG</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>F</td><td>PLUG</td><td>-</td><td>-</td><td>-</td></tr> </tbody> </table>						CAV	CIRC	GAUGE	COLOR	TERMINAL	A	A11-GJ	18	WH	1661262C1	B	A12FC	18	LT BL	1661262C1	C	A62S	18	DK BL	1661262C1	D	PLUG	-	-	-	E	PLUG	-	-	-	F	PLUG	-	-	-
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Figure 169 Connector Body Composites (1100 / 1100MA / 1101 / 1101A)

13.17. CONNECTOR BODY COMPOSITES (1106 / 1107), P. 16

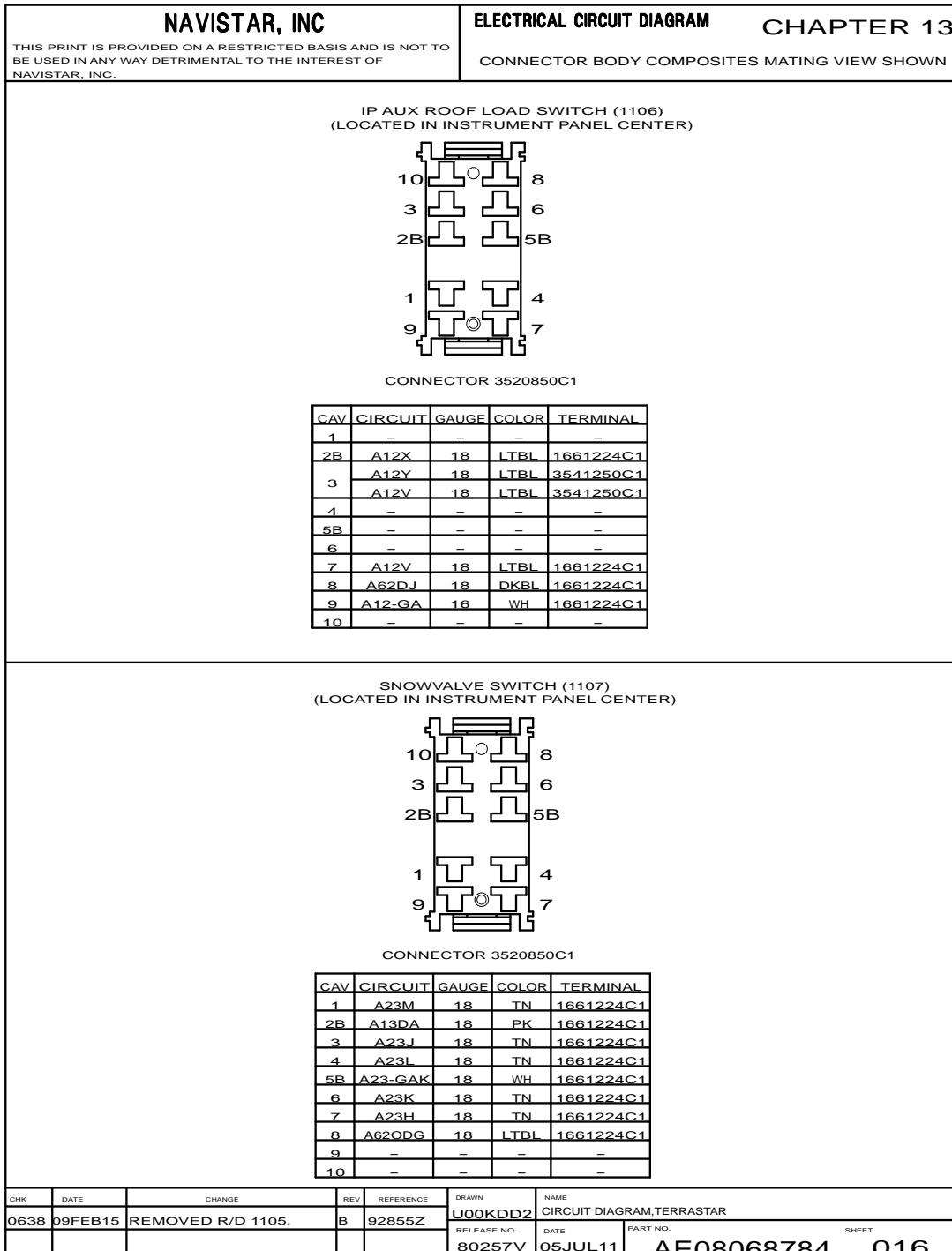


Figure 170 Connector Body Composites (1106 / 1107)

13.18. CONNECTOR BODY COMPOSITES (1110 / 1200 / 1210 / 1220), P. 17

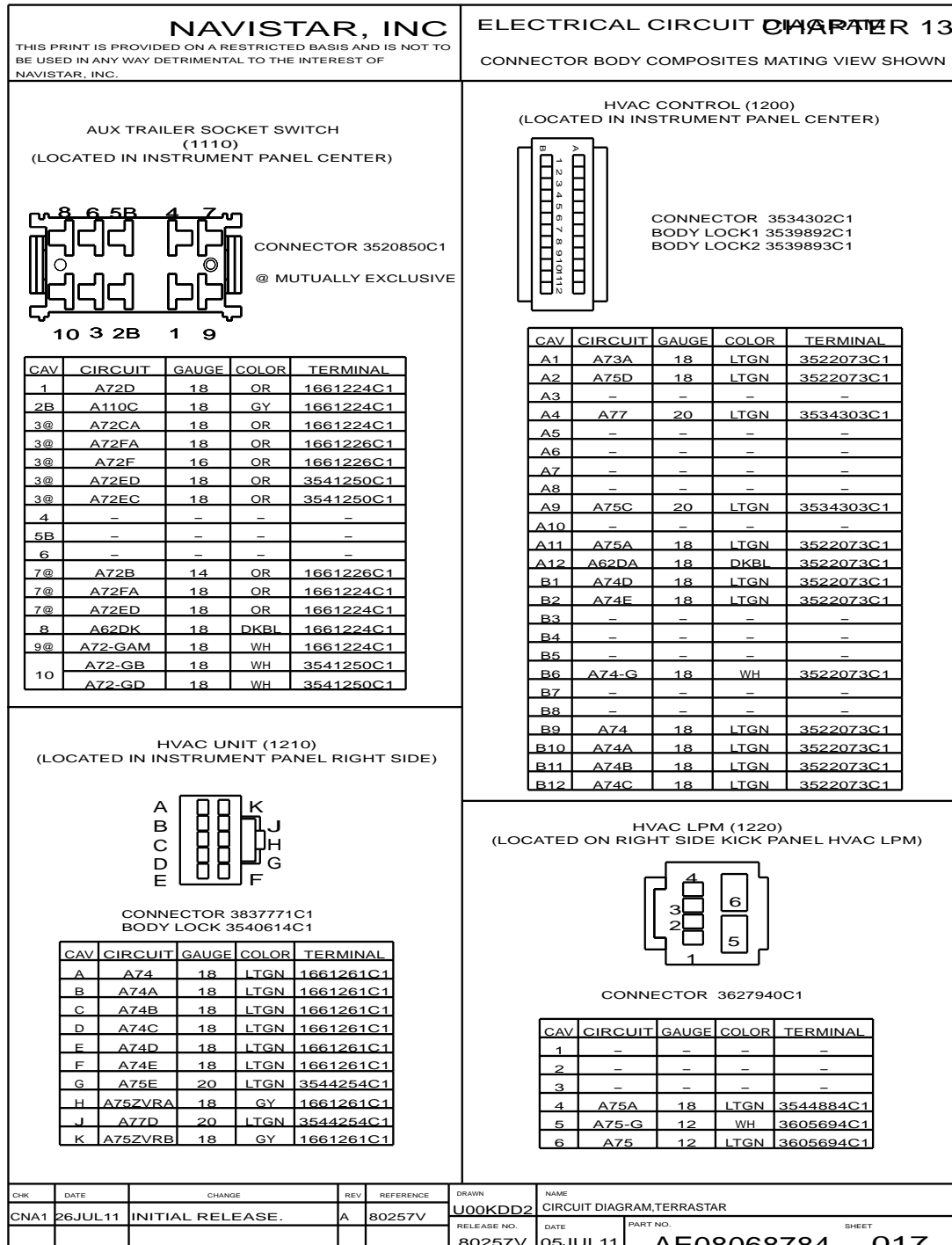


Figure 171 Connector Body Composites (1110 / 1200 / 1210 / 1220)

13.19. CONNECTOR BODY COMPOSITES (1300 / 1301 / 1500 / 1501), P. 18

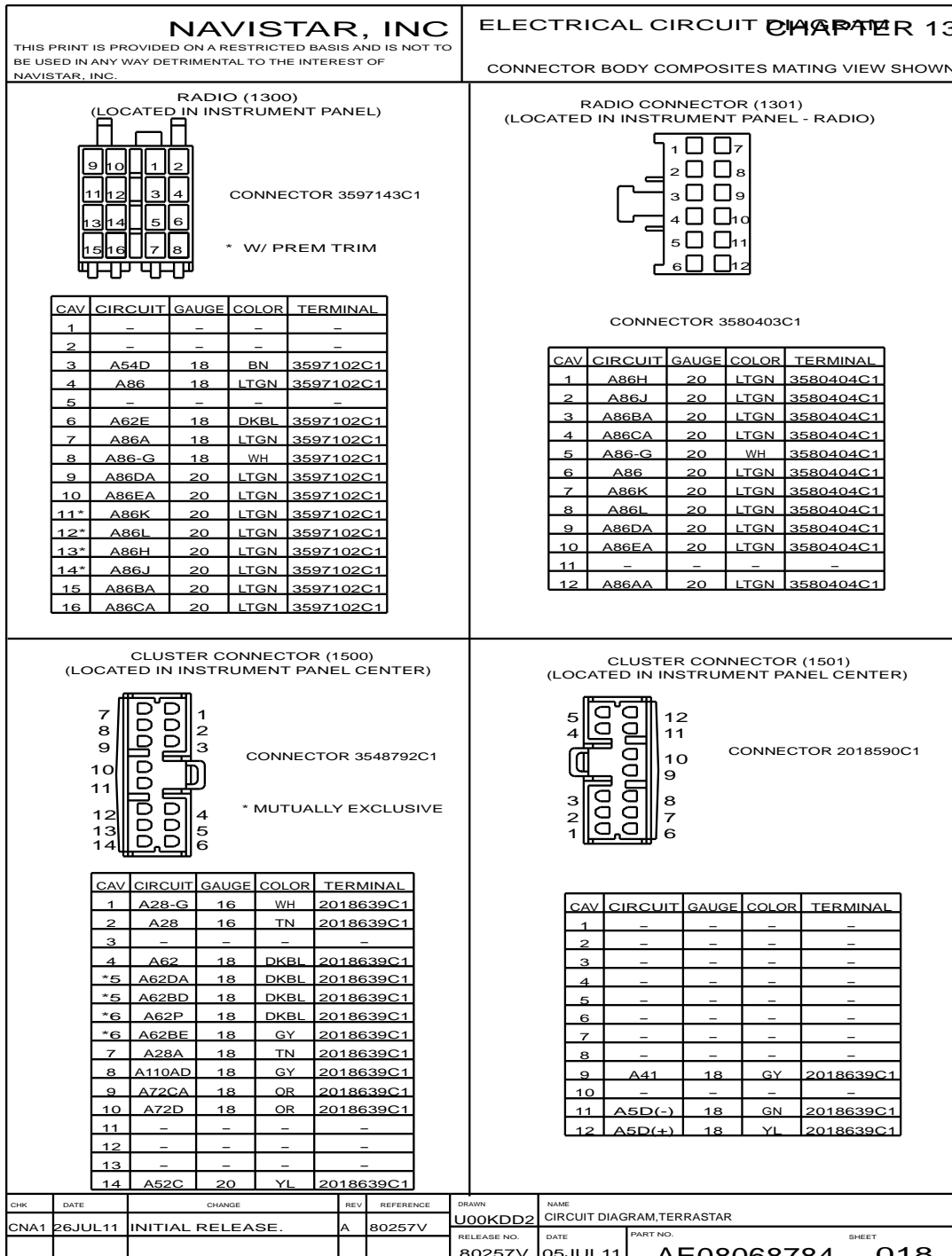


Figure 172 Connector Body Composites (1300 / 1301 / 1500 / 1501)

13.20. CONNECTOR BODY COMPOSITES (1501 / 1502 / 1503), P. 18A

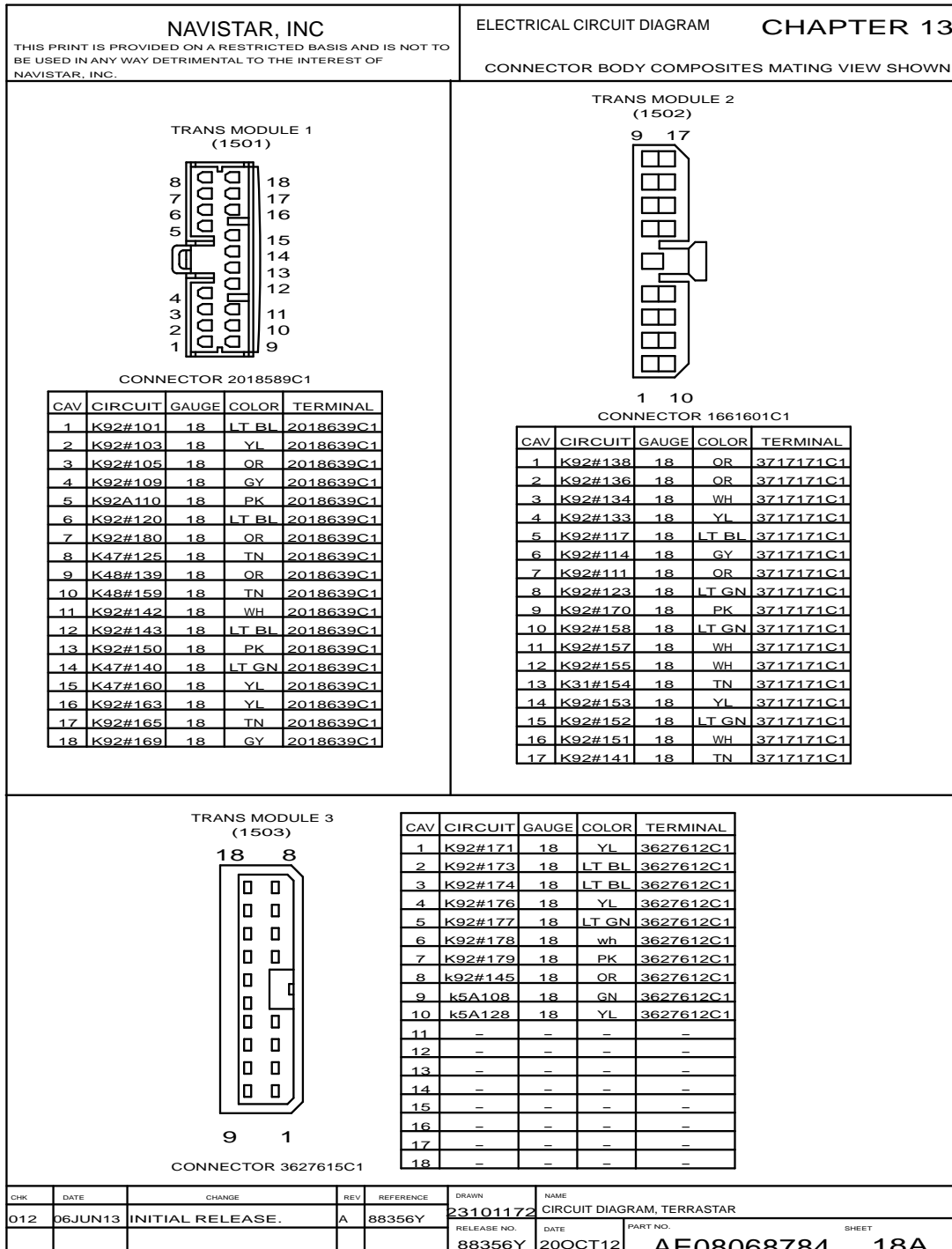


Figure 173 Connector Body Composites (1501 / 1502 / 1503)

13.21. CONNECTOR BODY COMPOSITES (1512 / 1600), P. 19

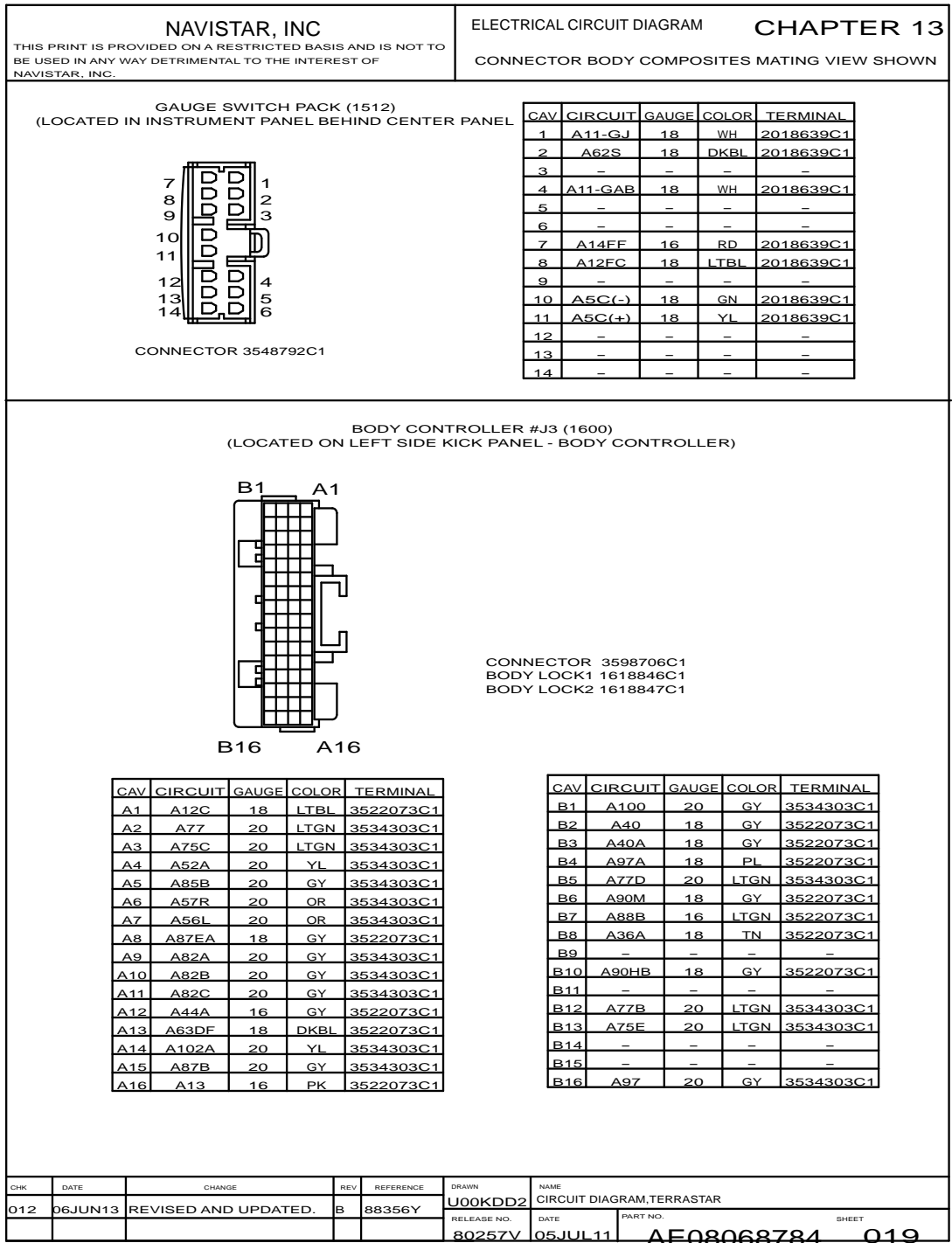


Figure 174 Connector Body Composites (1512 / 1600)

13.22. CONNECTOR BODY COMPOSITES (1601), P. 20

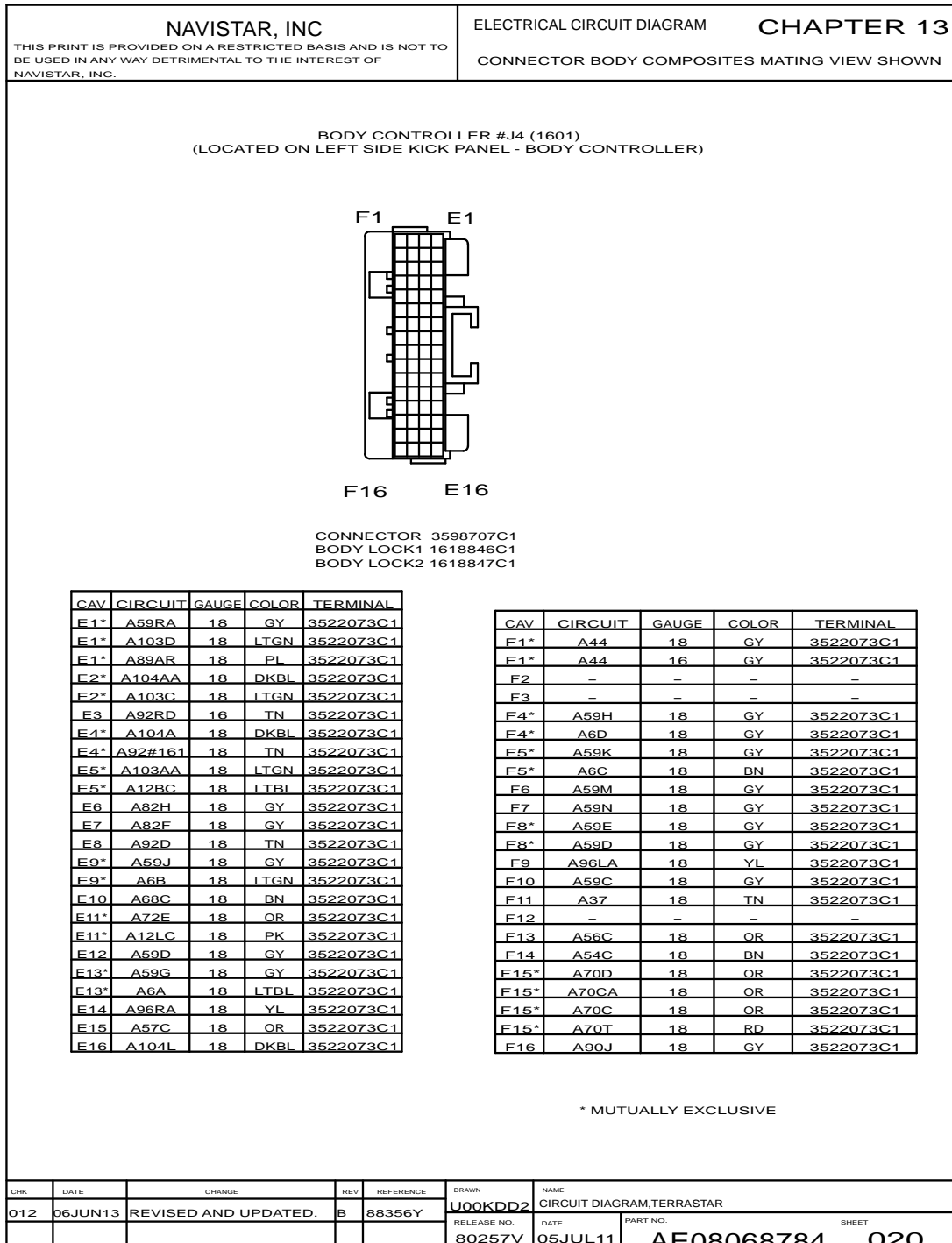


Figure 175 Connector Body Composites (1601)

13.23. CONNECTOR BODY COMPOSITES (1602), P. 21

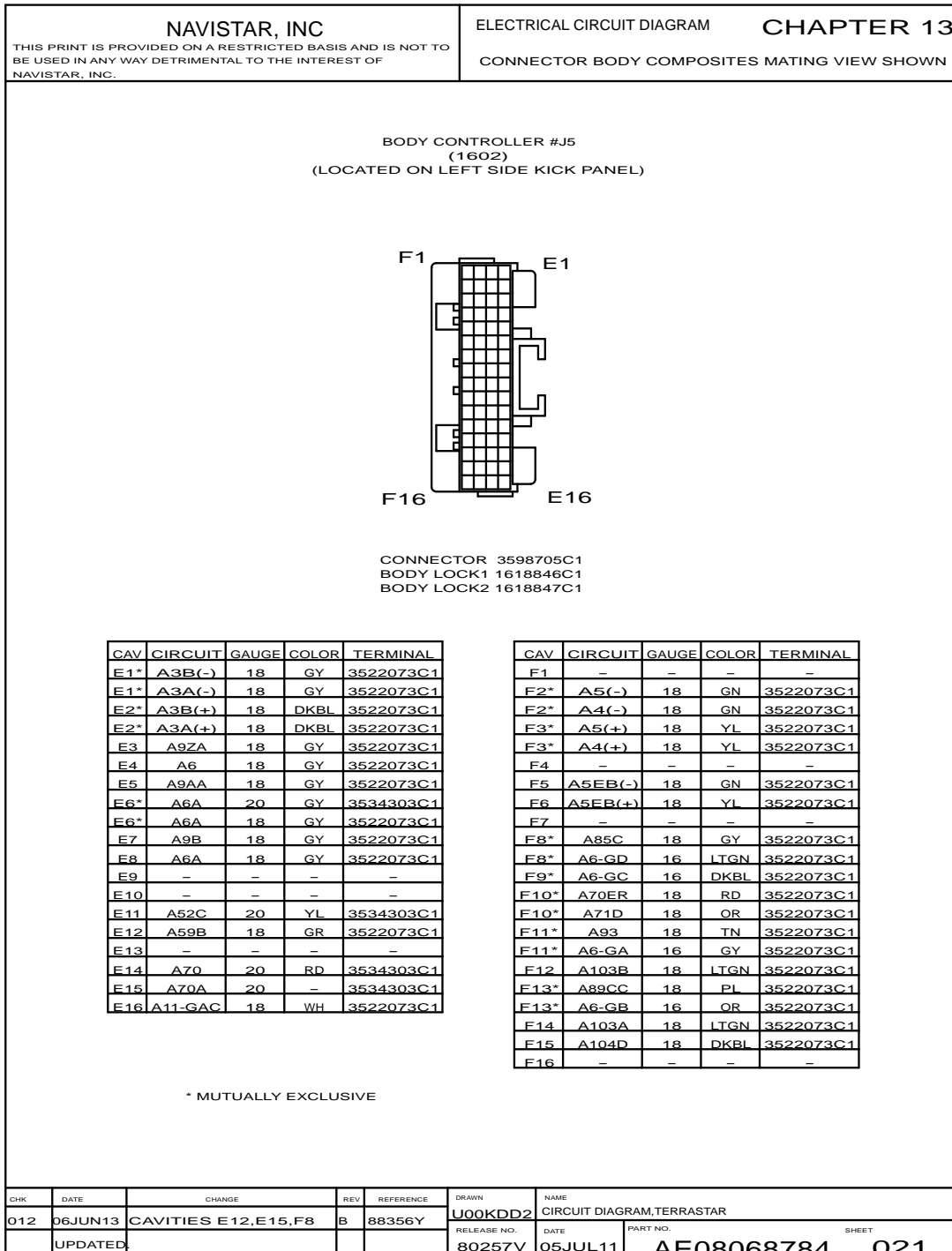


Figure 176 Connector Body Composites (1602)



13.24. CONNECTOR BODY COMPOSITES (1603 / 1604 / 1623 / 1625), P. 22

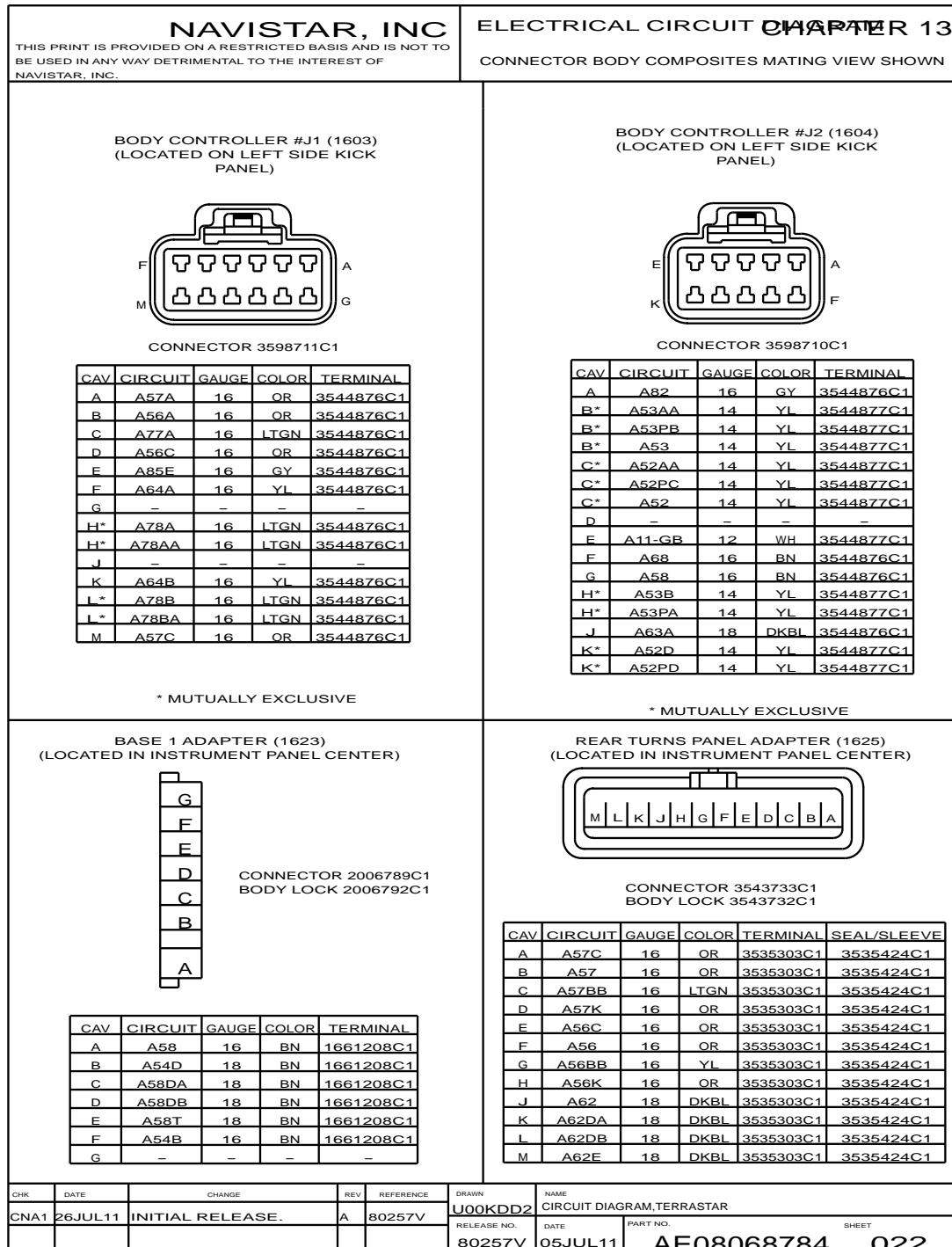


Figure 177 Connector Body Composites (1603 / 1604 / 1623 / 1625)

13.25. CONNECTOR BODY COMPOSITES (1626 / 1657 / 1650 / 1660 / 1661), P. 23

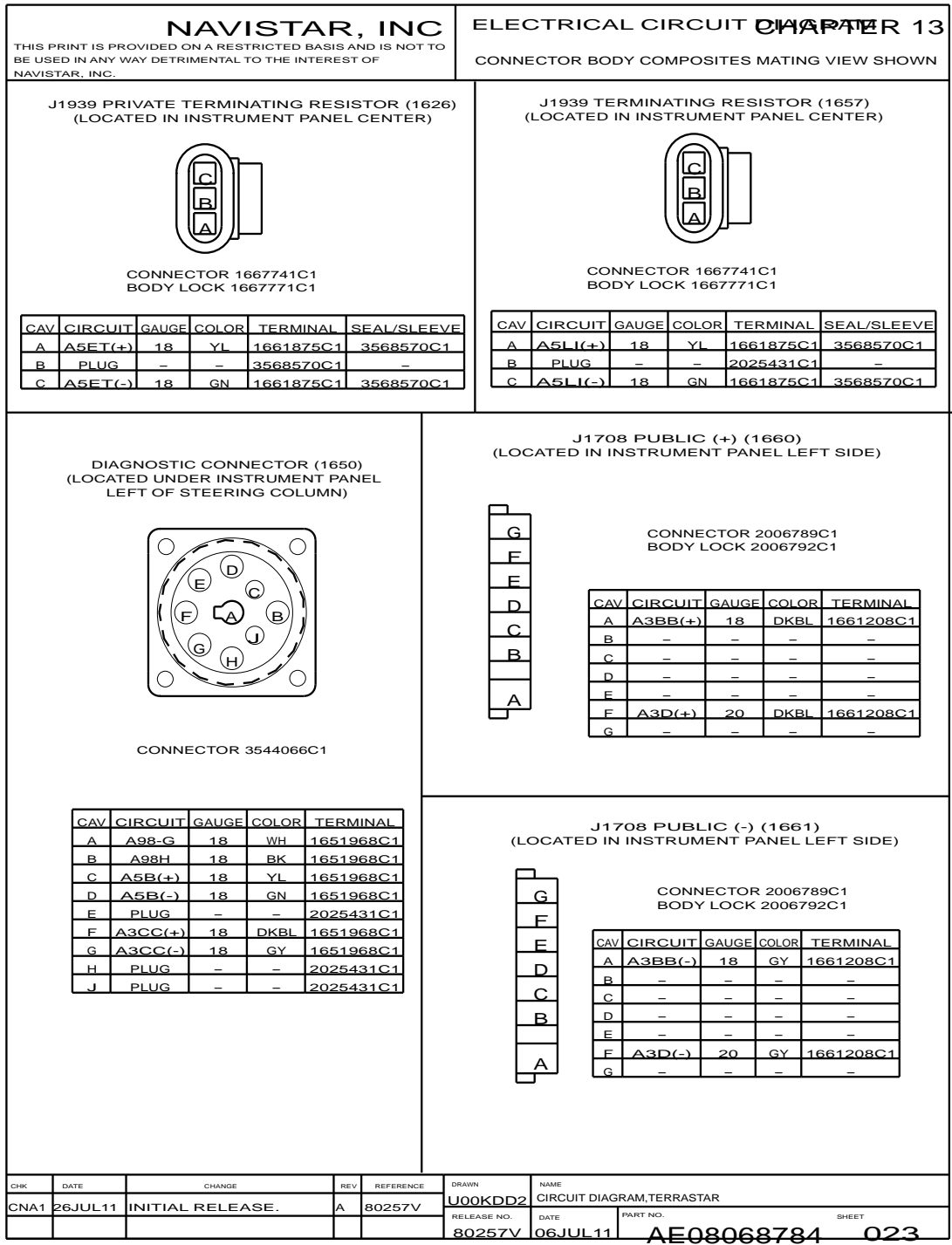


Figure 178 Connector Body Composites (1626 / 1657 / 1650 / 1660 / 1661)

13.26. CONNECTOR BODY COMPOSITES (1700), P. 24

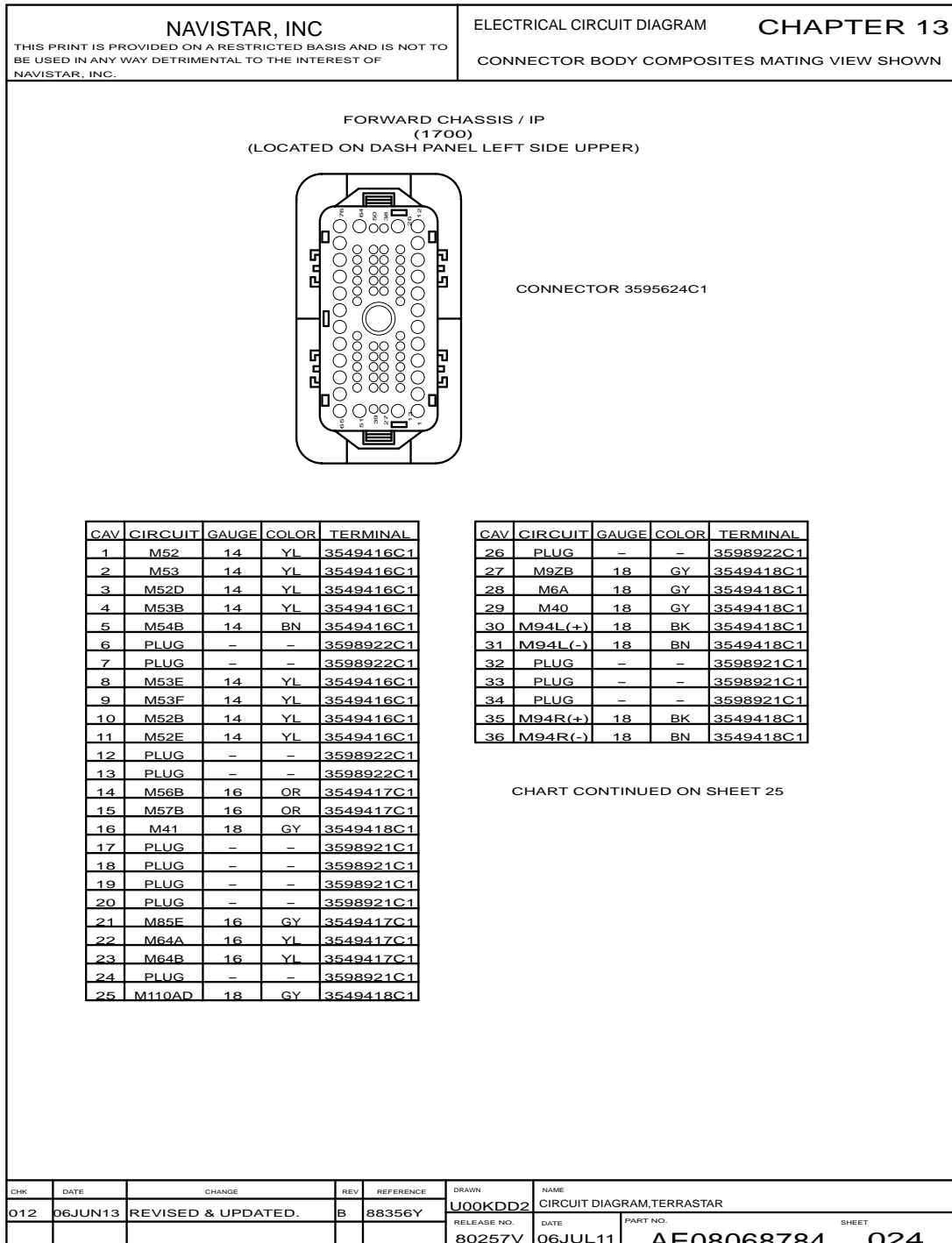


Figure 179 Connector Body Composites (1700)

13.27. CONNECTOR BODY COMPOSITES (1700), P. 25

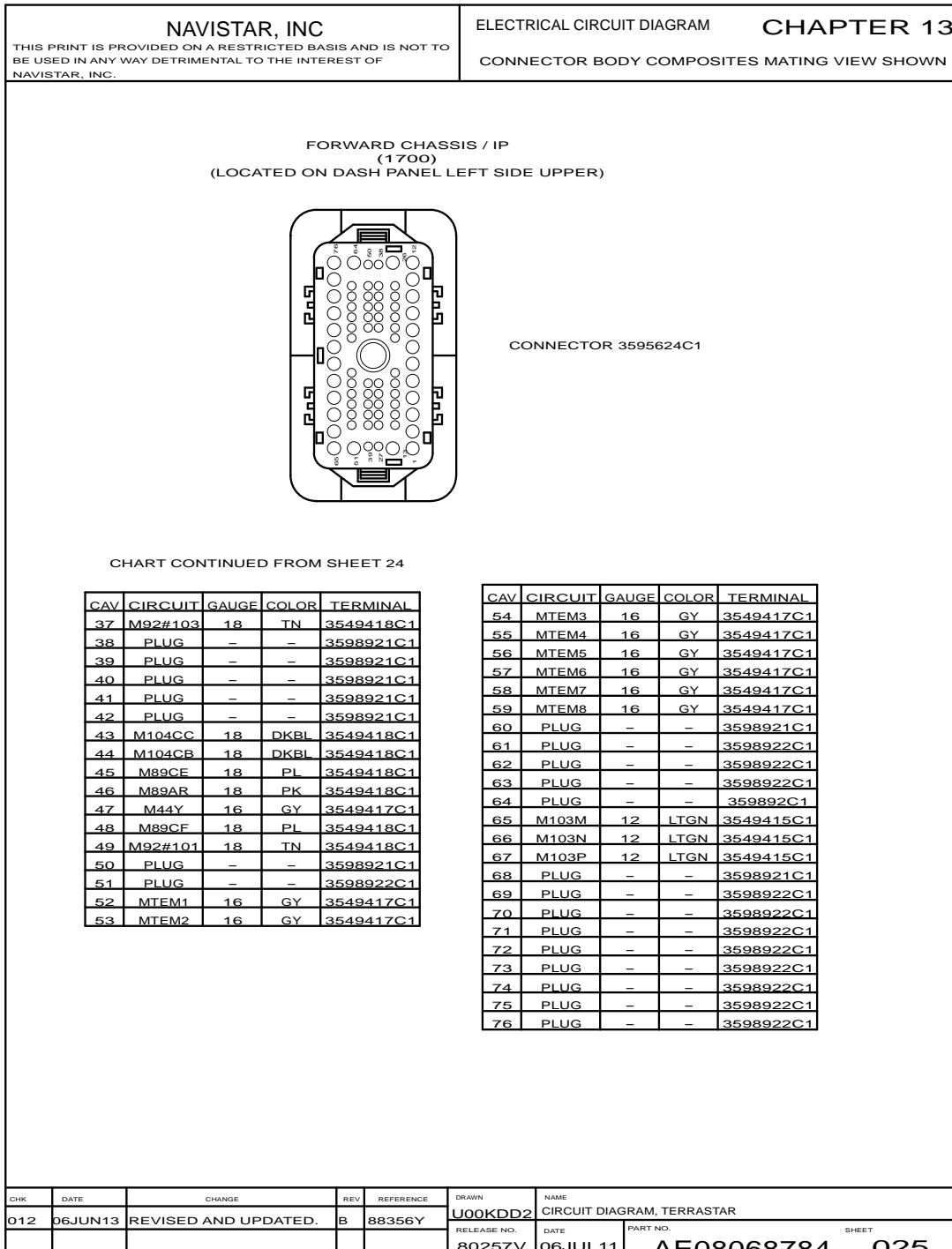


Figure 180 Connector Body Composites (1700)

13.28. CONNECTOR BODY COMPOSITES (1700), P. 26

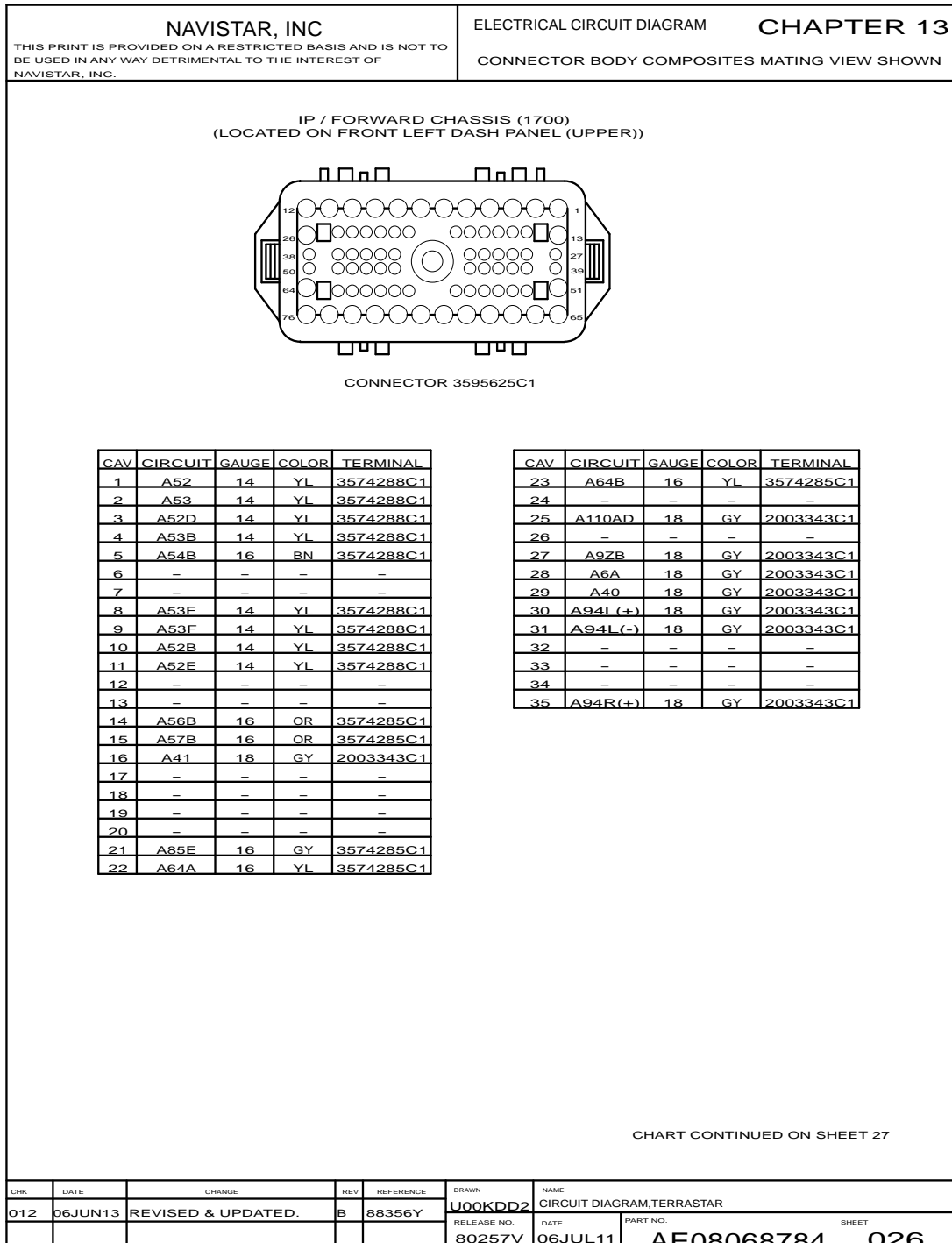


Figure 181 Connector Body Composites (1700)

13.29. CONNECTOR BODY COMPOSITES (1700), P. 27

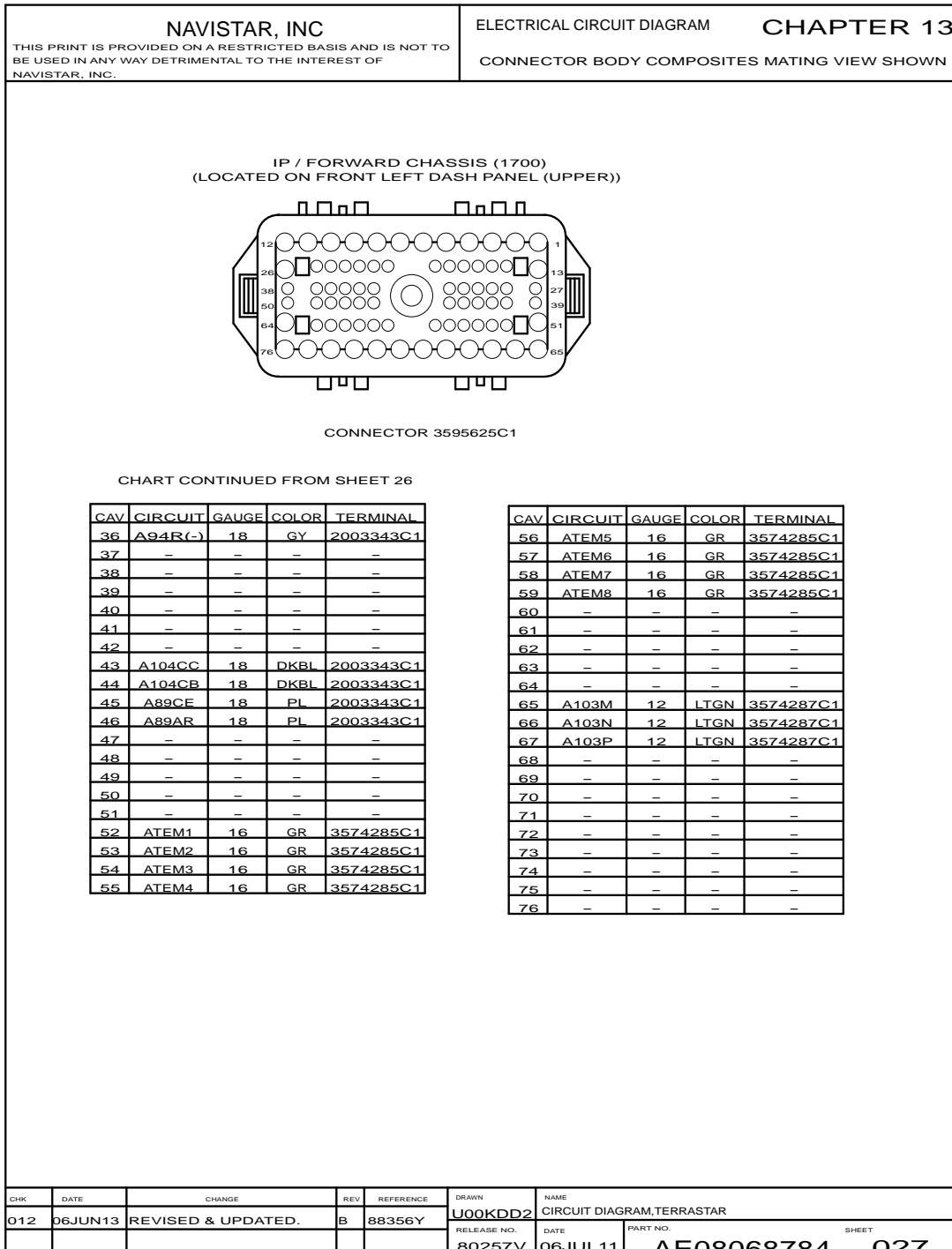


Figure 182 Connector Body Composites (1700)

13.30. CONNECTOR BODY COMPOSITES (1701), P. 28

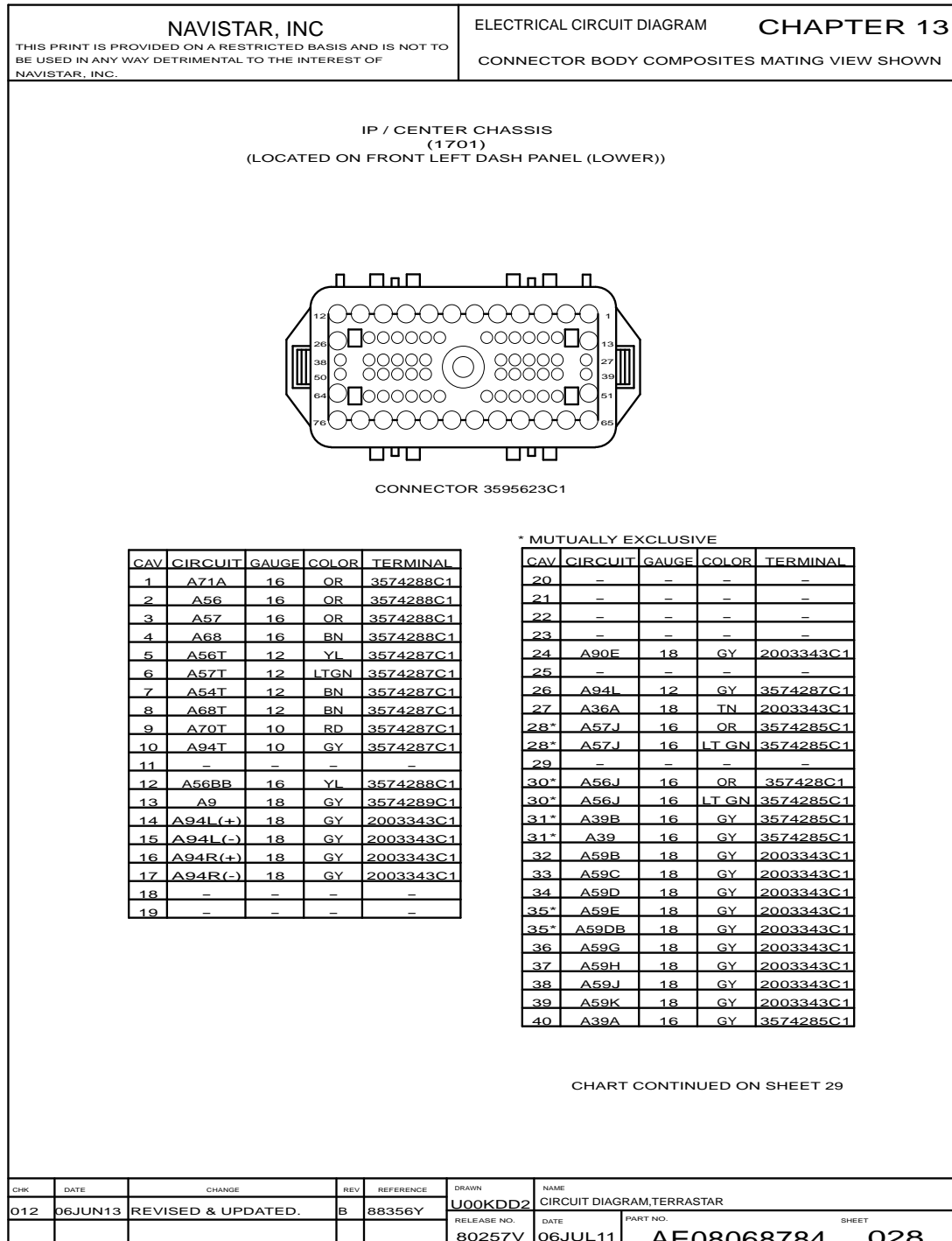


Figure 183 Connector Body Composites (1701)

13.31. CONNECTOR BODY COMPOSITES (1701), P. 29

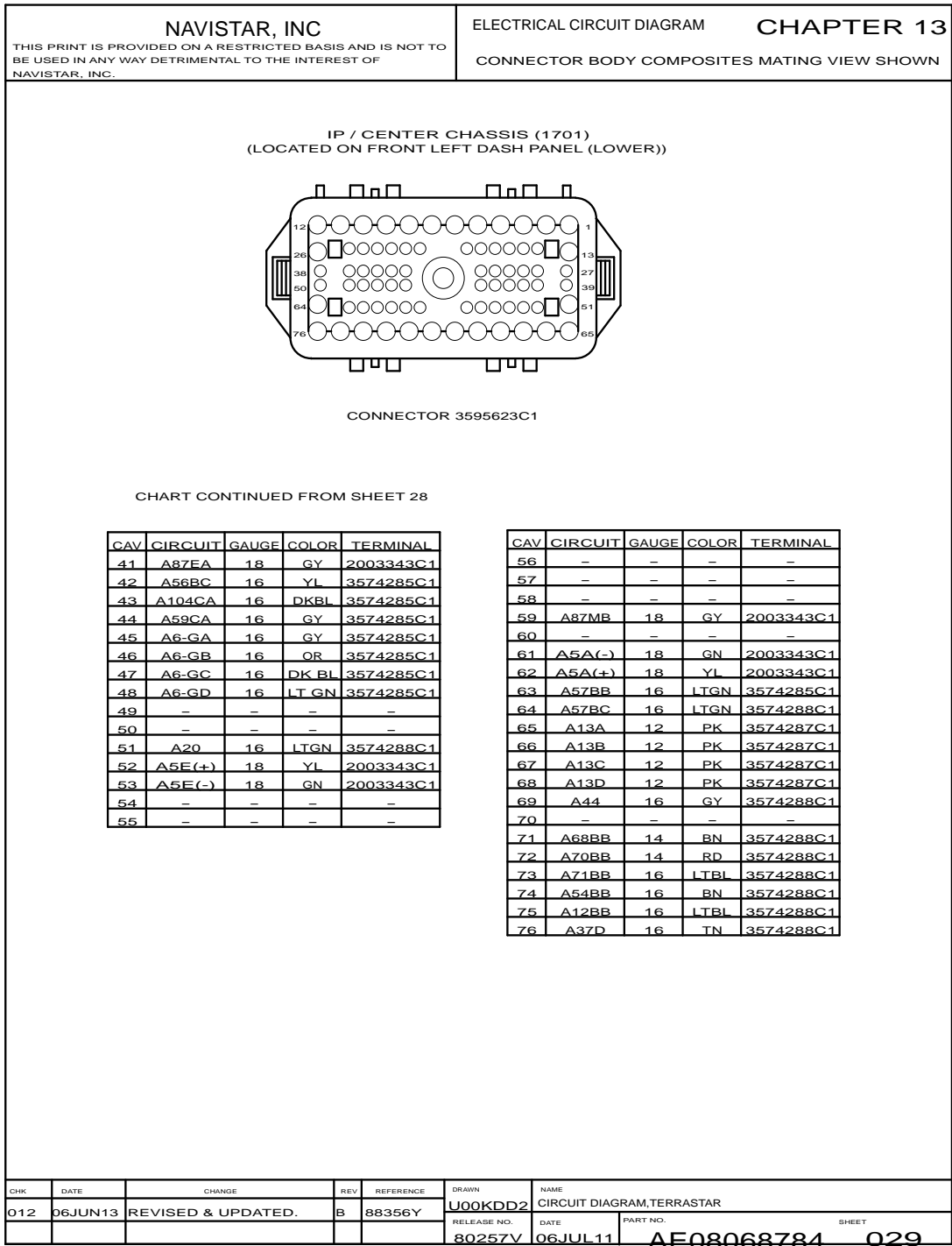


Figure 184 Connector Body Composites (1701)



13.32. CONNECTOR BODY COMPOSITES (1701F), P. 30

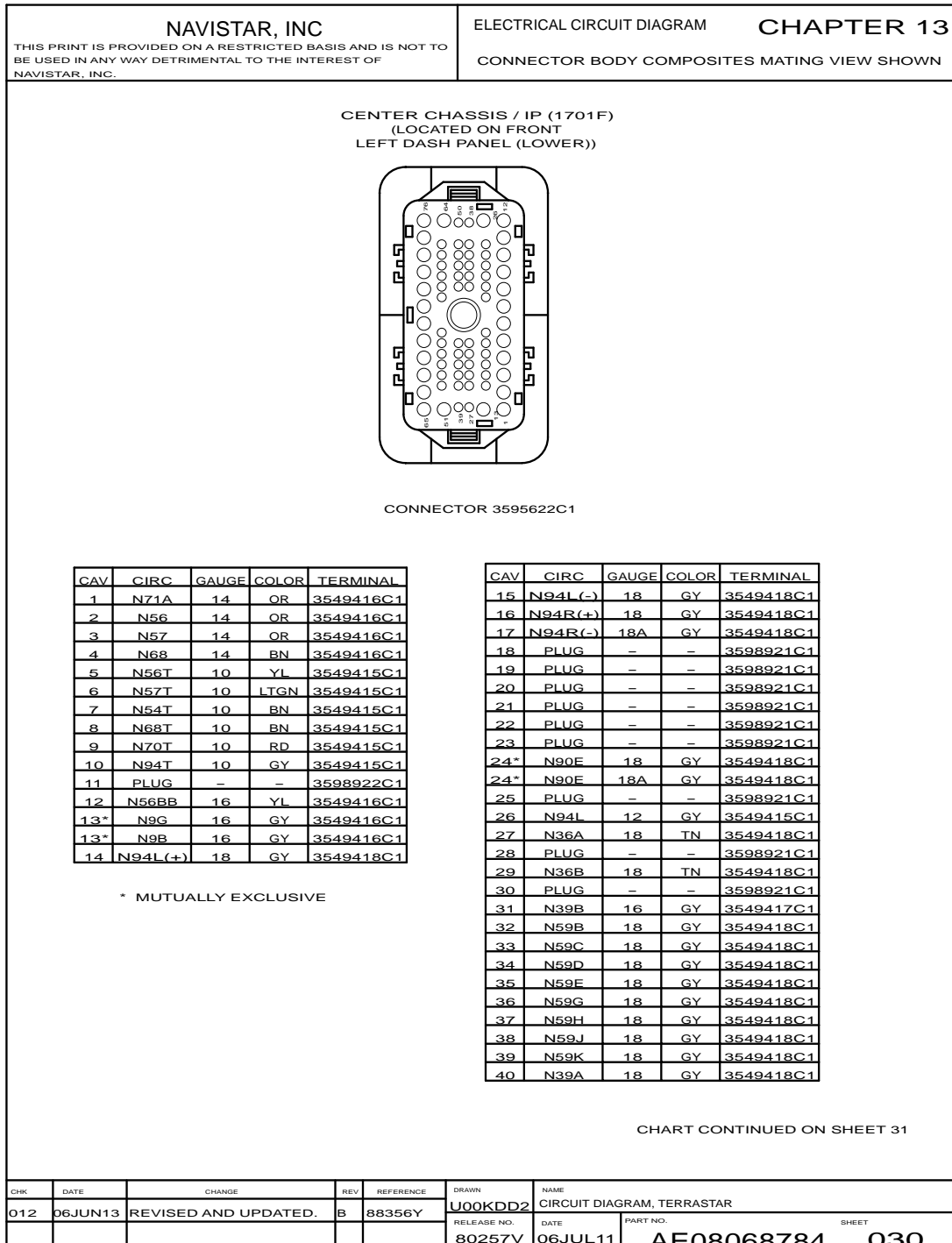


Figure 185 Connector Body Composites (1701F)

13.33. CONNECTOR BODY COMPOSITES (1701F), P. 31

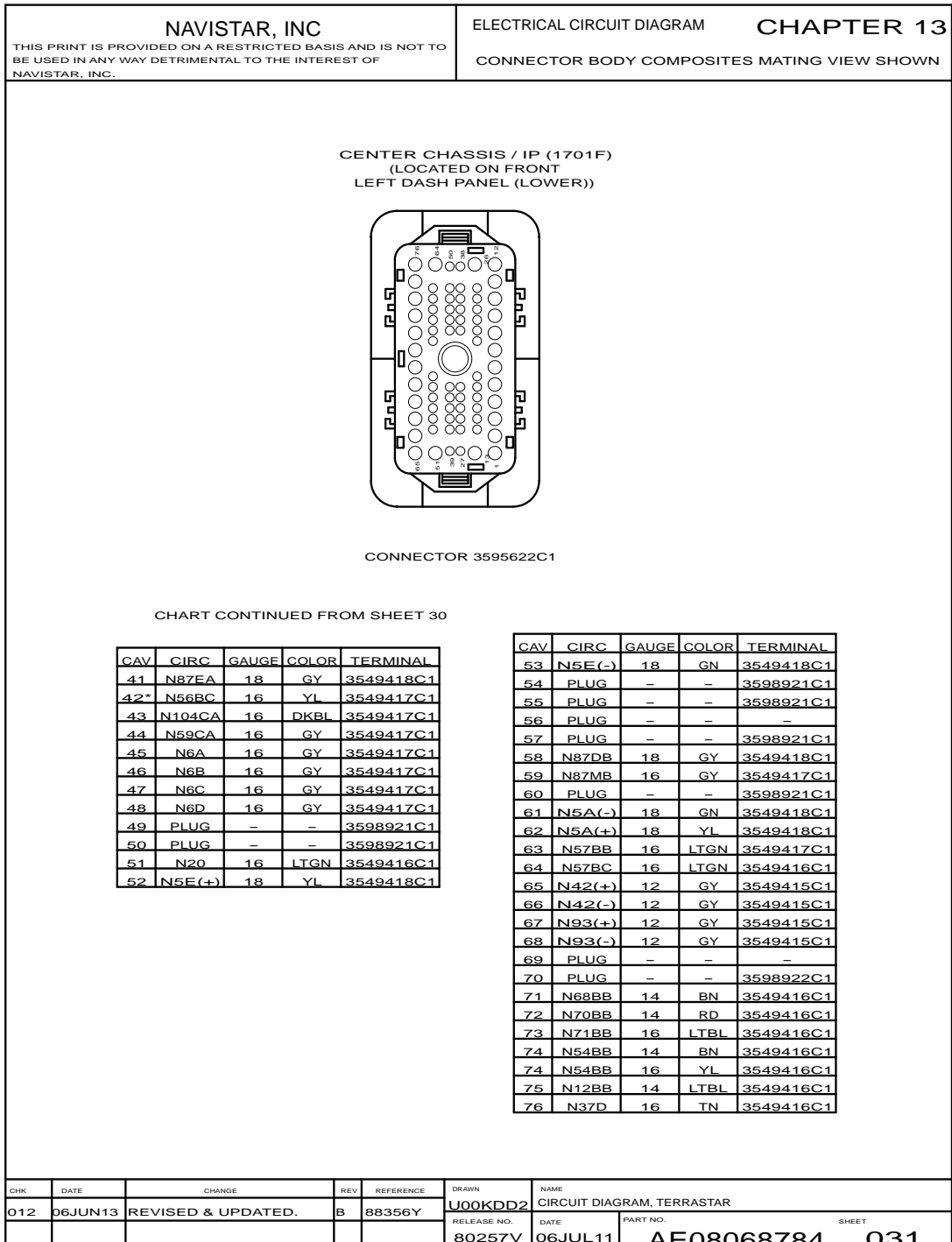


Figure 186 Connector Body Composites (1701F)

13.34. CONNECTOR BODY COMPOSITES (1702), P. 32

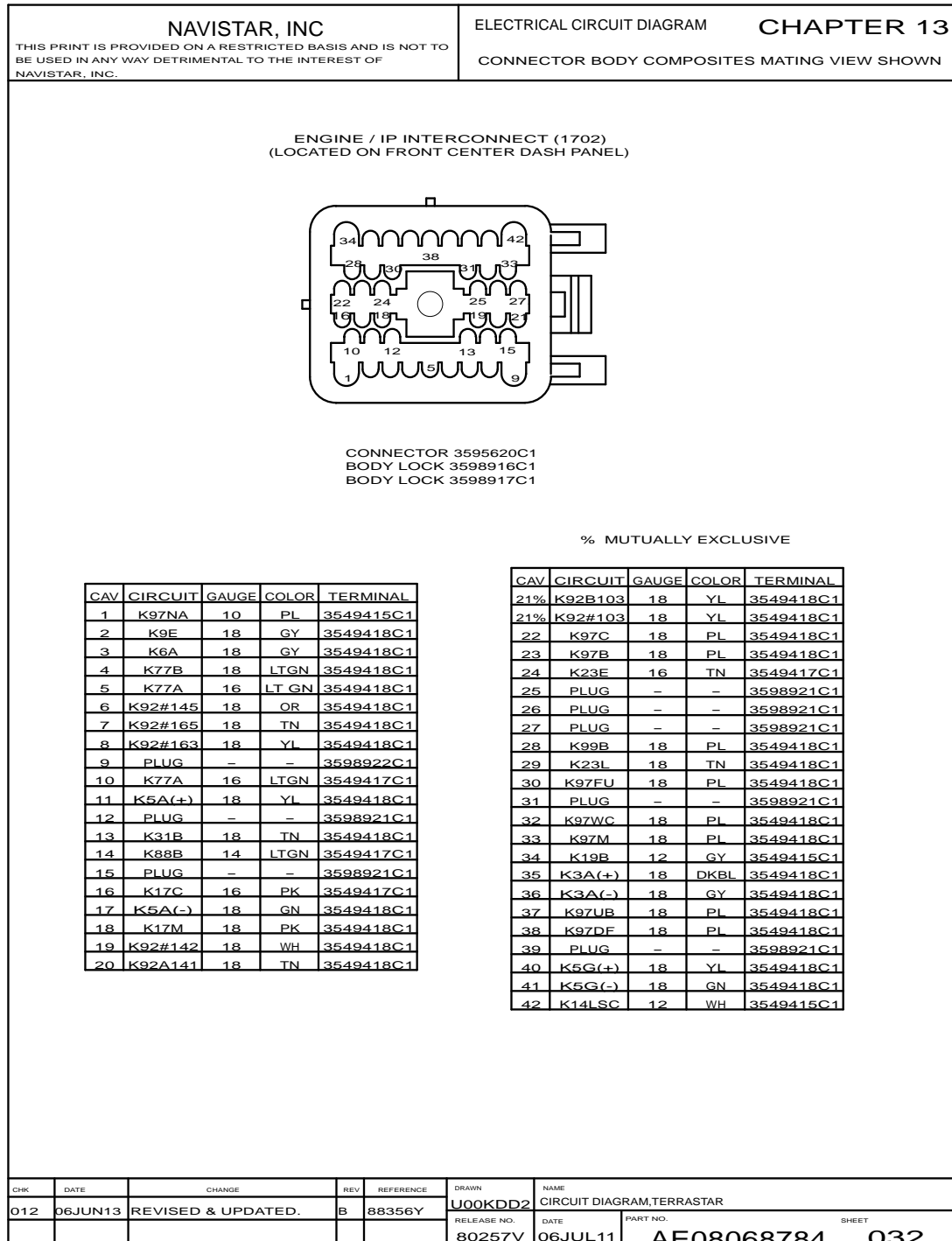


Figure 187 Connector Body Composites (1702)

13.35. CONNECTOR BODY COMPOSITES (1702), P. 33

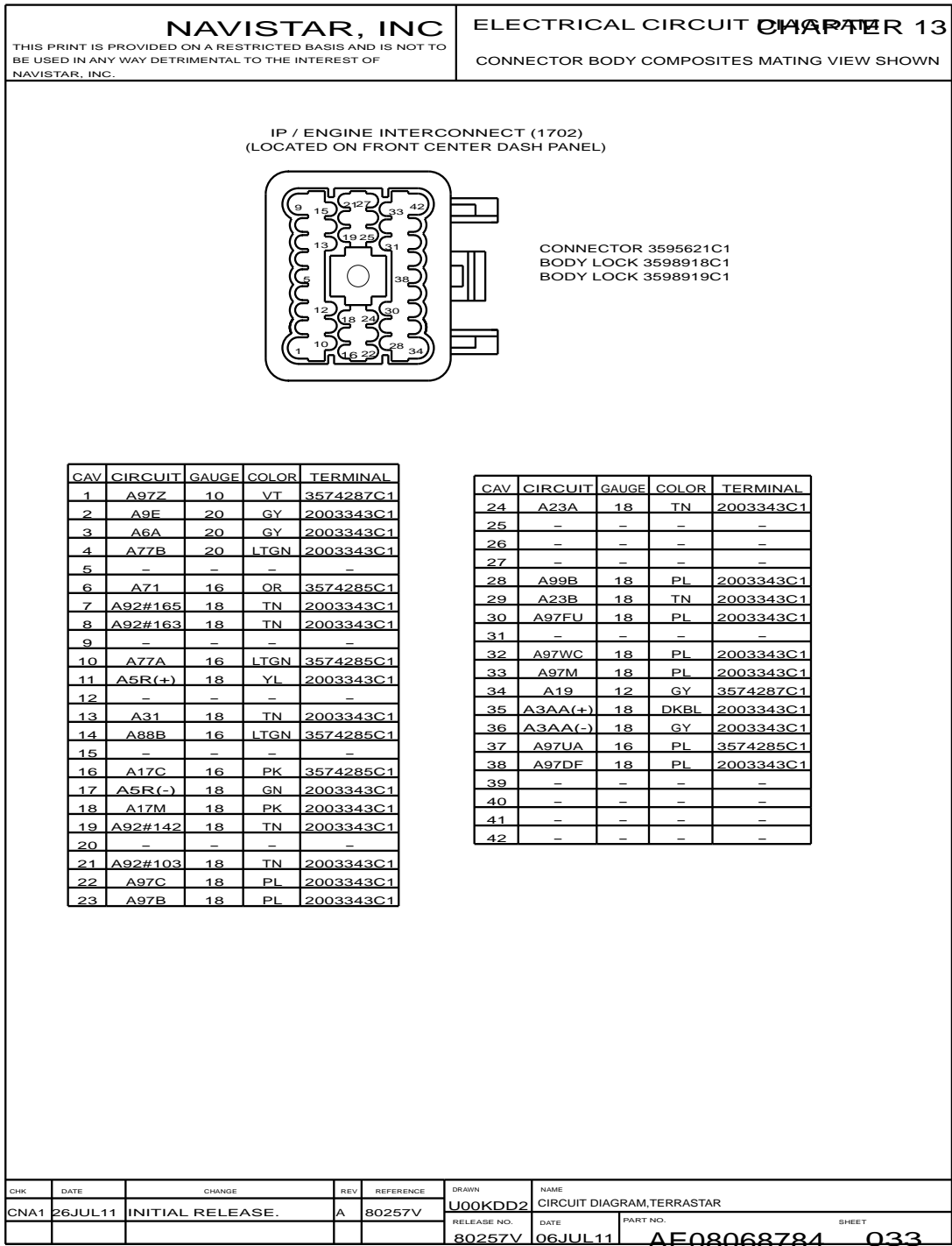


Figure 188 Connector Body Composites (1702)

13.36. CONNECTOR BODY COMPOSITES (1800 / 1800F), P. 34

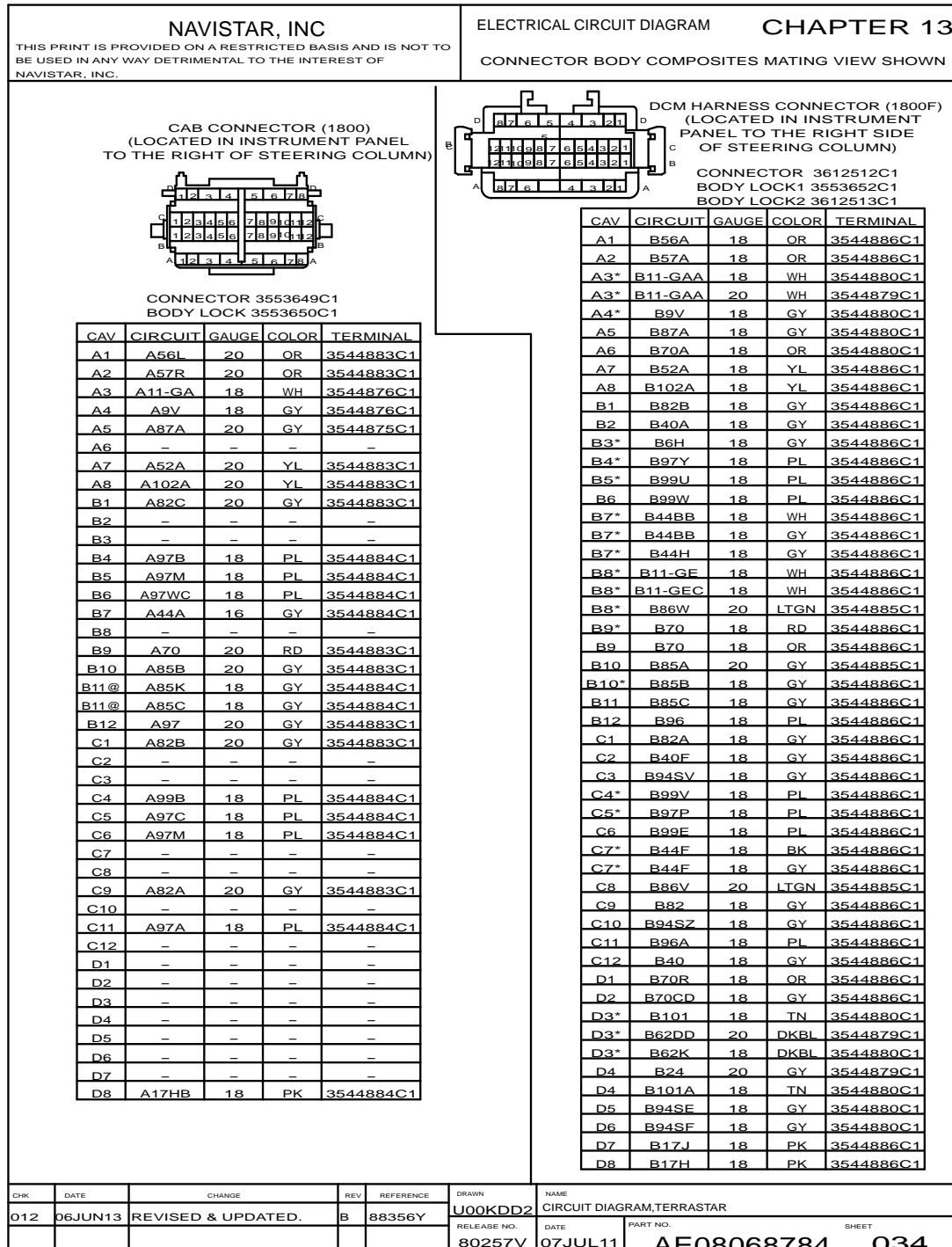


Figure 189 Connector Body Composites (1800 / 1800F)

13.37. CONNECTOR BODY COMPOSITES (1800FA / 1804 / 1807 / 1809 / 1810), P. 35

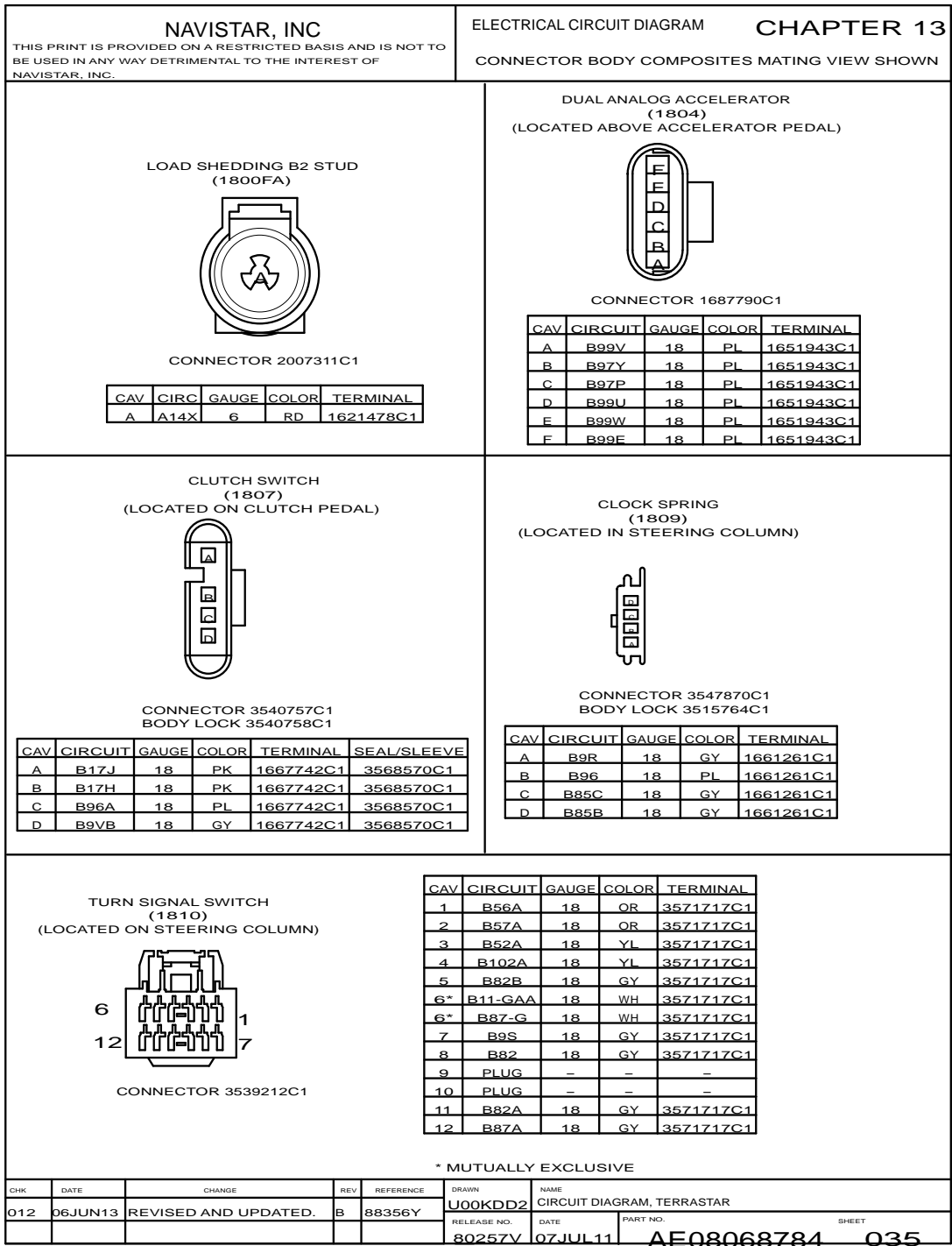


Figure 190 Connector Body Composites (1800FA / 1804 / 1807 / 1809 / 1810)

13.38. CONNECTOR BODY COMPOSITES (1814A / 1814B / 1815 / 1815A / 1828 / 1861 / 1872 / 1873), P. 36

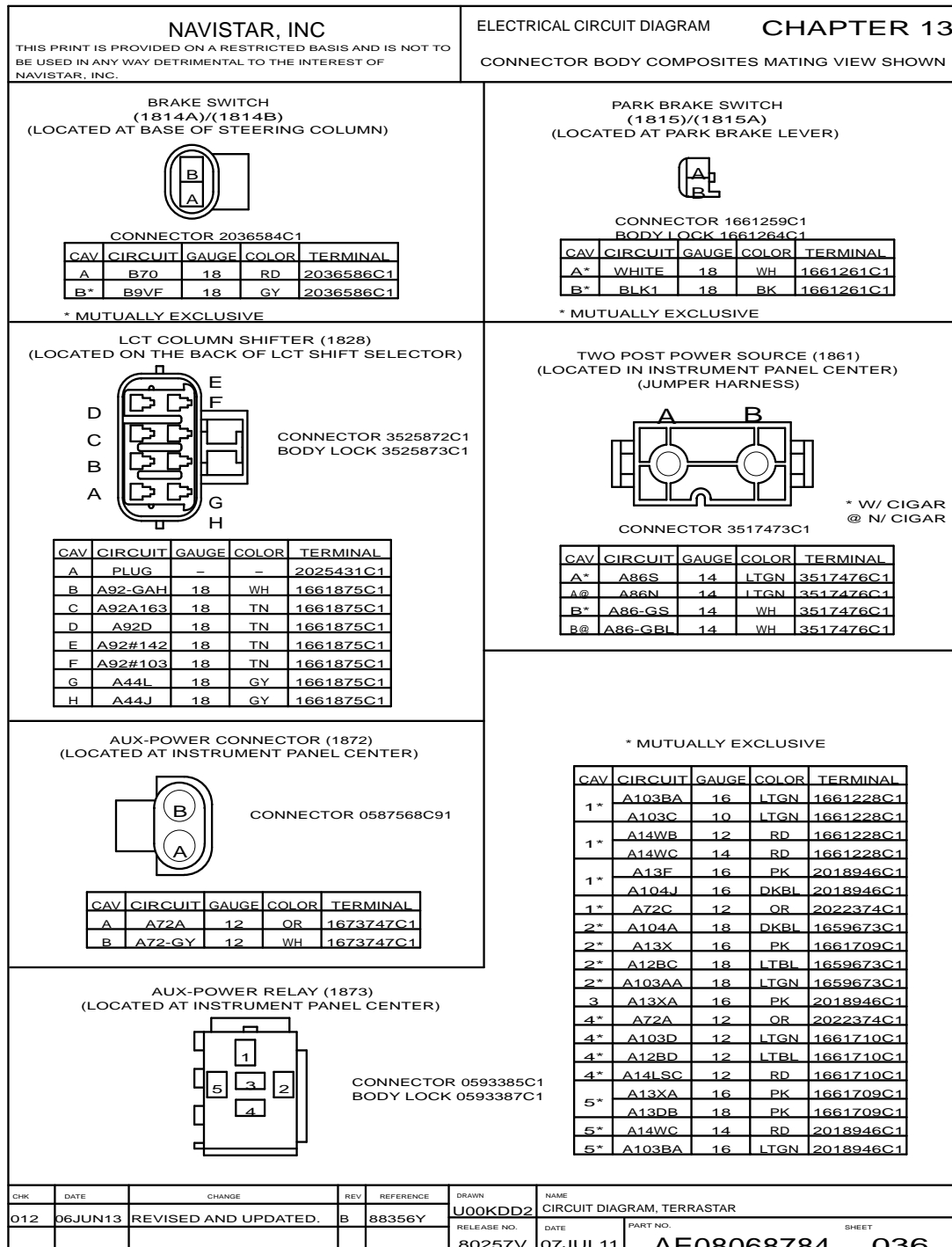


Figure 191 Connector Body Composites (1814A / 1814B / 1815 / 1815A / 1828 / 1861 / 1872 / 1873)

13.39. CONNECTOR BODY COMPOSITES (1873W / 1873X / 1873Y / 1873Z / 1900 / 1936M), P. 36A

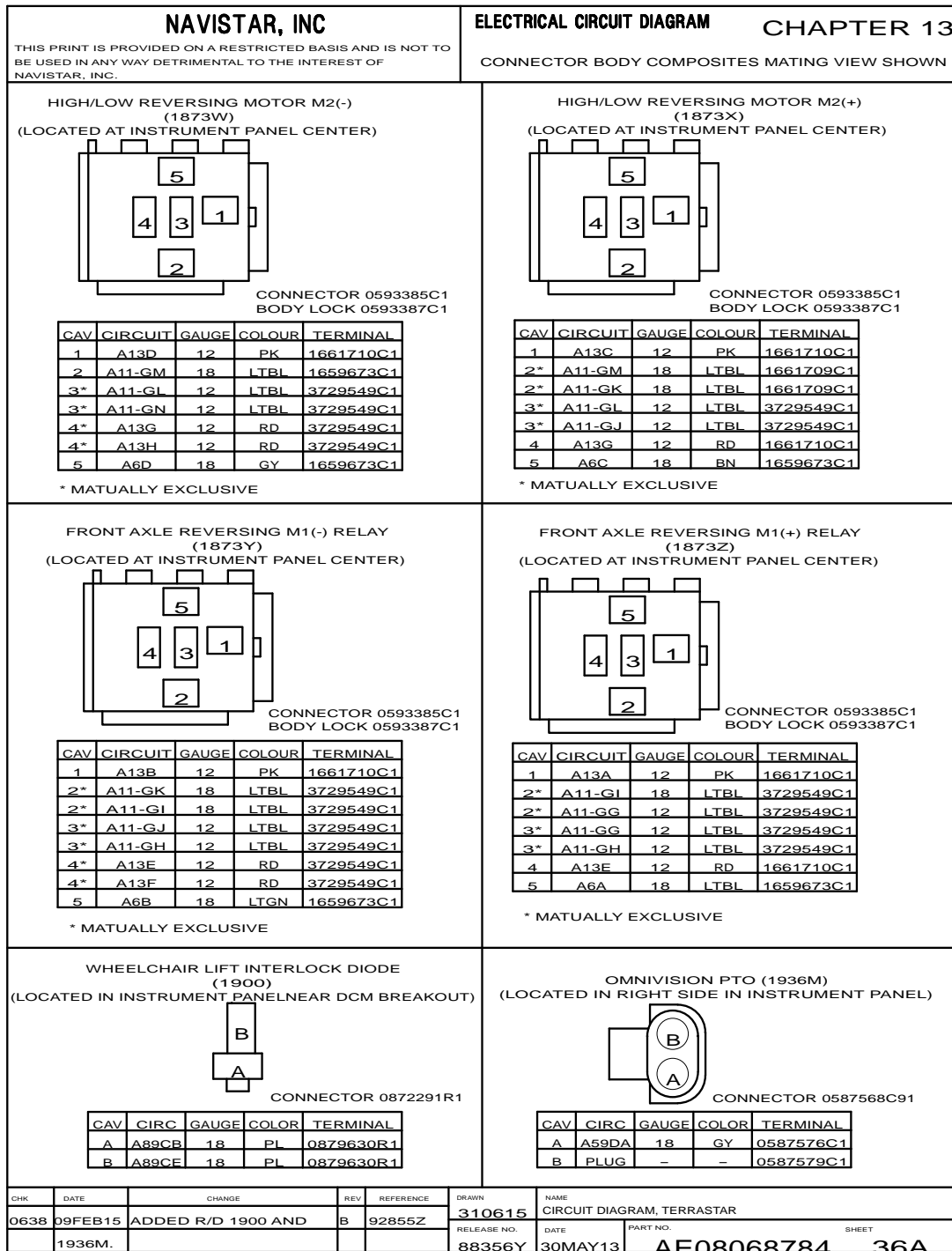


Figure 192 Connector Body Composites (1873W / 1873X / 1873Y / 1873Z / 1900 / 1936M)



13.40. CONNECTOR BODY COMPOSITES (1901 / 1912 / 1918 / 1927 / 1929 / 1935), P. 37

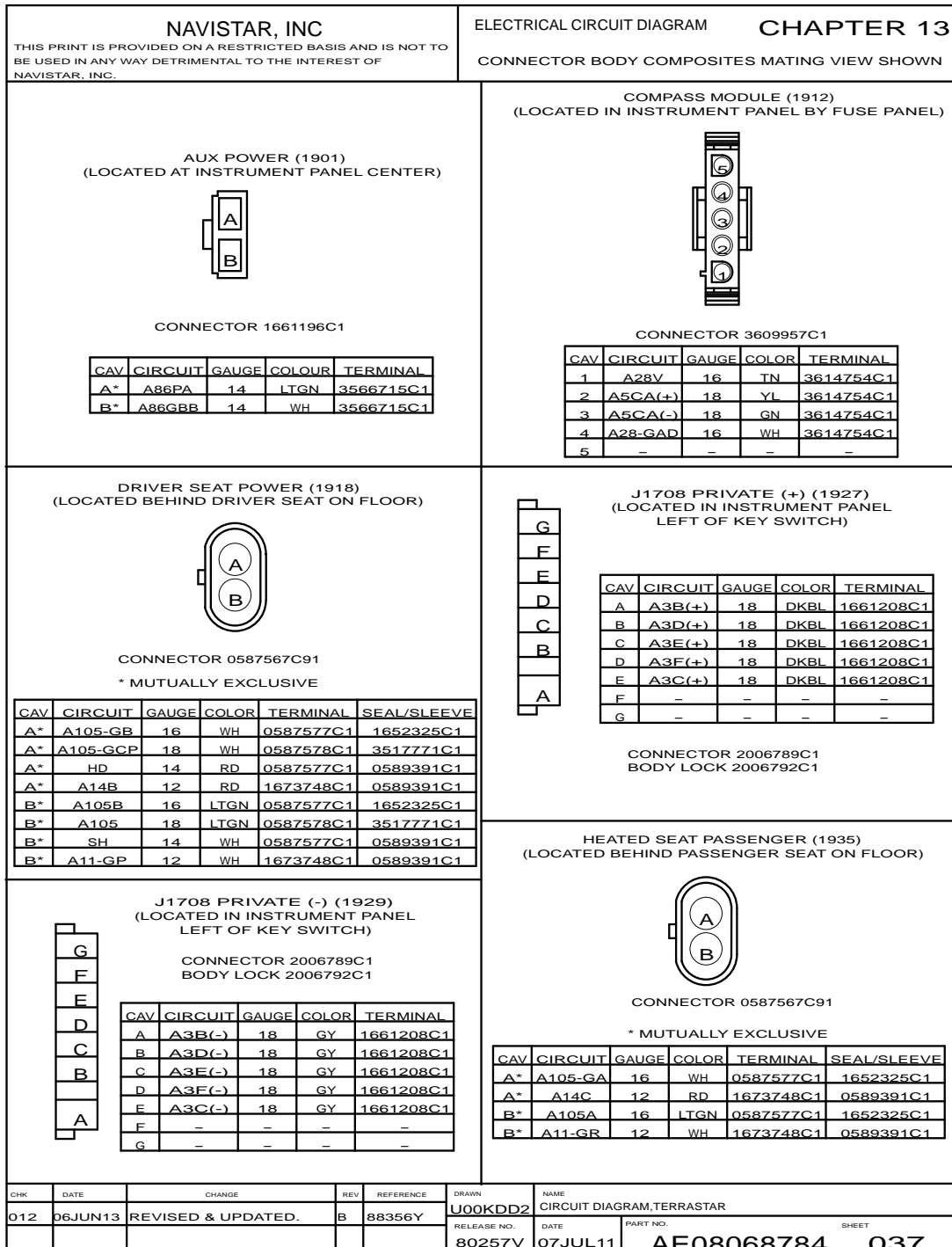


Figure 193 Connector Body Composites (1901 / 1912 / 1918 / 1927 / 1929 / 1935)

13.41. CONNECTOR BODY COMPOSITES (2000 / 2000F / 2002M / 2003M / 2004M / 2005M), P. 37A

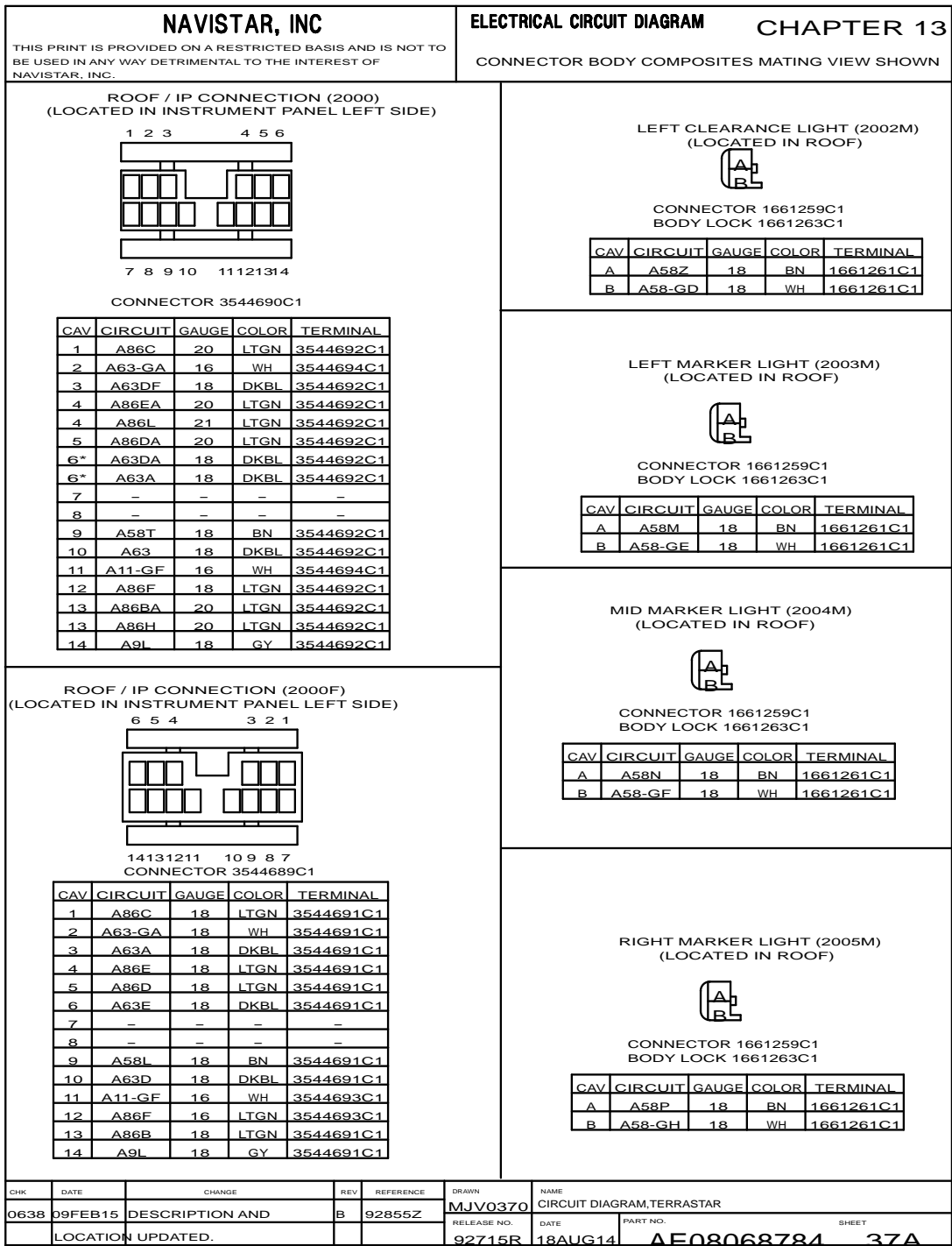


Figure 194 Connector Body Composites (2000 / 2000F / 2002M / 2003M / 2004M / 2005M)

13.42. CONNECTOR BODY COMPOSITES (2006M / 2115M / 2116F / 2117F / 2021 / 2301M), P. 37B







NAVISTAR, INC					ELECTRICAL CIRCUIT DIAGRAM					CHAPTER 13																																																	
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CONNECTOR 1661259C1 BODY LOCK 1661263C1										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>A58R</td> <td>18</td> <td>BN</td> <td>1661261C1</td> </tr> <tr> <td>B</td> <td>A58-GJ</td> <td>18</td> <td>WH</td> <td>1661261C1</td> </tr> </tbody> </table>					CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	A	A58R	18	BN	1661261C1	B	A58-GJ	18	WH	1661261C1						<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>A63K</td> <td>18</td> <td>DKBL</td> <td>1661261C1</td> </tr> <tr> <td>A</td> <td>A63M</td> <td>18</td> <td>DKBL</td> <td>1661261C1</td> </tr> <tr> <td>B</td> <td>A63-GH</td> <td>18</td> <td>WH</td> <td>1661261C1</td> </tr> <tr> <td>C</td> <td>A63L</td> <td>18</td> <td>DKBL</td> <td>1661261C1</td> </tr> </tbody> </table>					CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	A	A63K	18	DKBL	1661261C1	A	A63M	18	DKBL	1661261C1	B	A63-GH	18	WH	1661261C1	C	A63L	18	DKBL	1661261C1					
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CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME																																																					
0638	09FEB15	REVISED AND REDRAWN.	B	92855Z	MJV0370	CIRCUIT DIAGRAM, TERRASTAR																																																					
					RELEASE NO.	DATE	PART NO.	SHEET																																																			
					92715R	18AUG14	AE08068784	37B																																																			

Figure 195 Connector Body Composites (2006M / 2115M / 2116F / 2117F / 2021 / 2301M)

13.43. CONNECTOR BODY COMPOSITES (2302M / 2304M / 2305M / 2502M), P. 37C

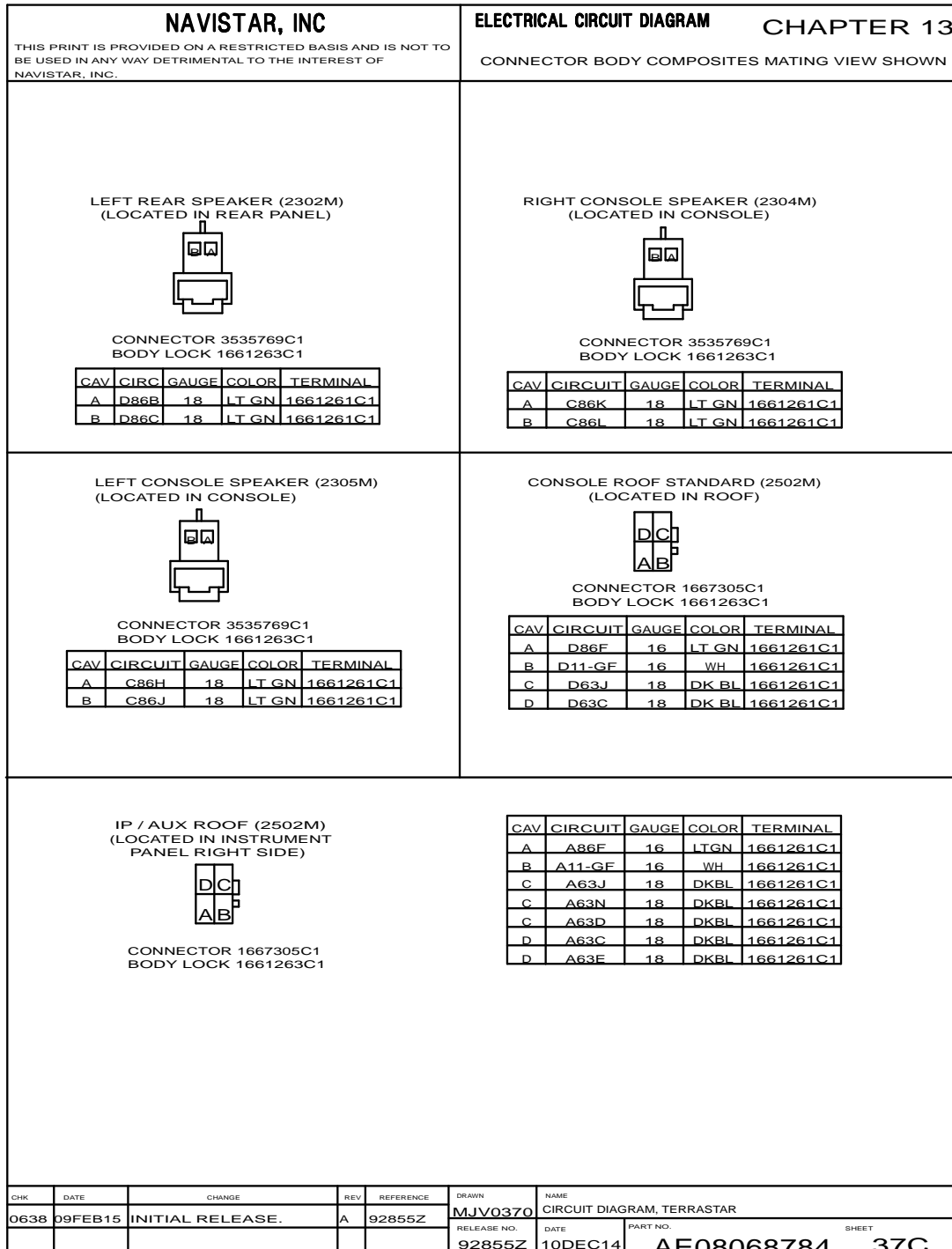


Figure 196 Connector Body Composites (2302M / 2304M / 2305M / 2502M)

13.44. CONNECTOR BODY COMPOSITES (2503 / 2600 / 2601M / 2602M), P. 38

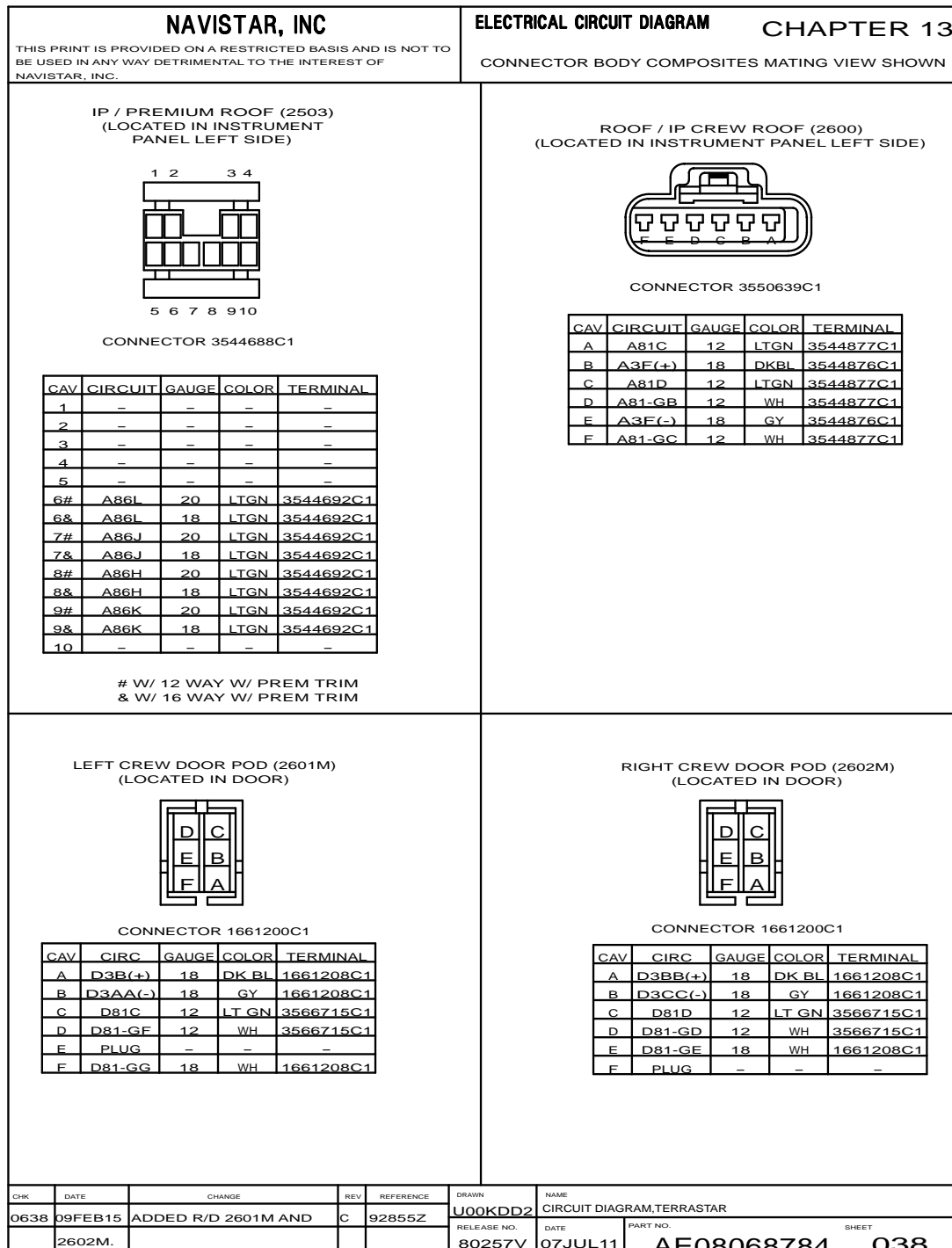


Figure 197 Connector Body Composites (2503 / 2600 / 2601M / 2602M)

13.45. CONNECTOR BODY COMPOSITES (3000 / 3001 / 3003 / 3100M / 3200), P. 39

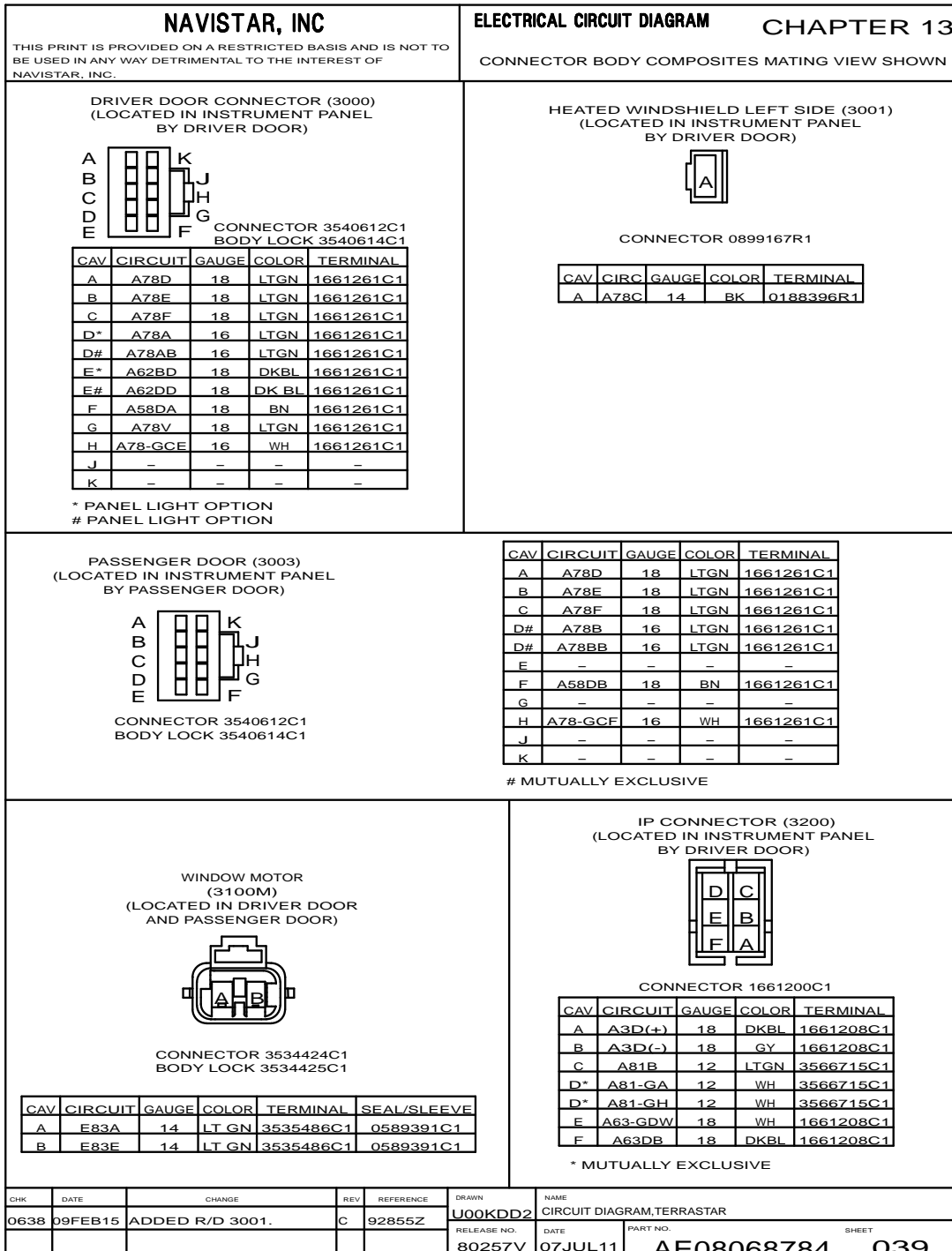


Figure 198 Connector Body Composites (3000 / 3001 / 3003 / 3100M / 3200)

13.46. CONNECTOR BODY COMPOSITES (3201M / 3202M / 3203M / 3205M / 3206 / 3209M), P. 39A

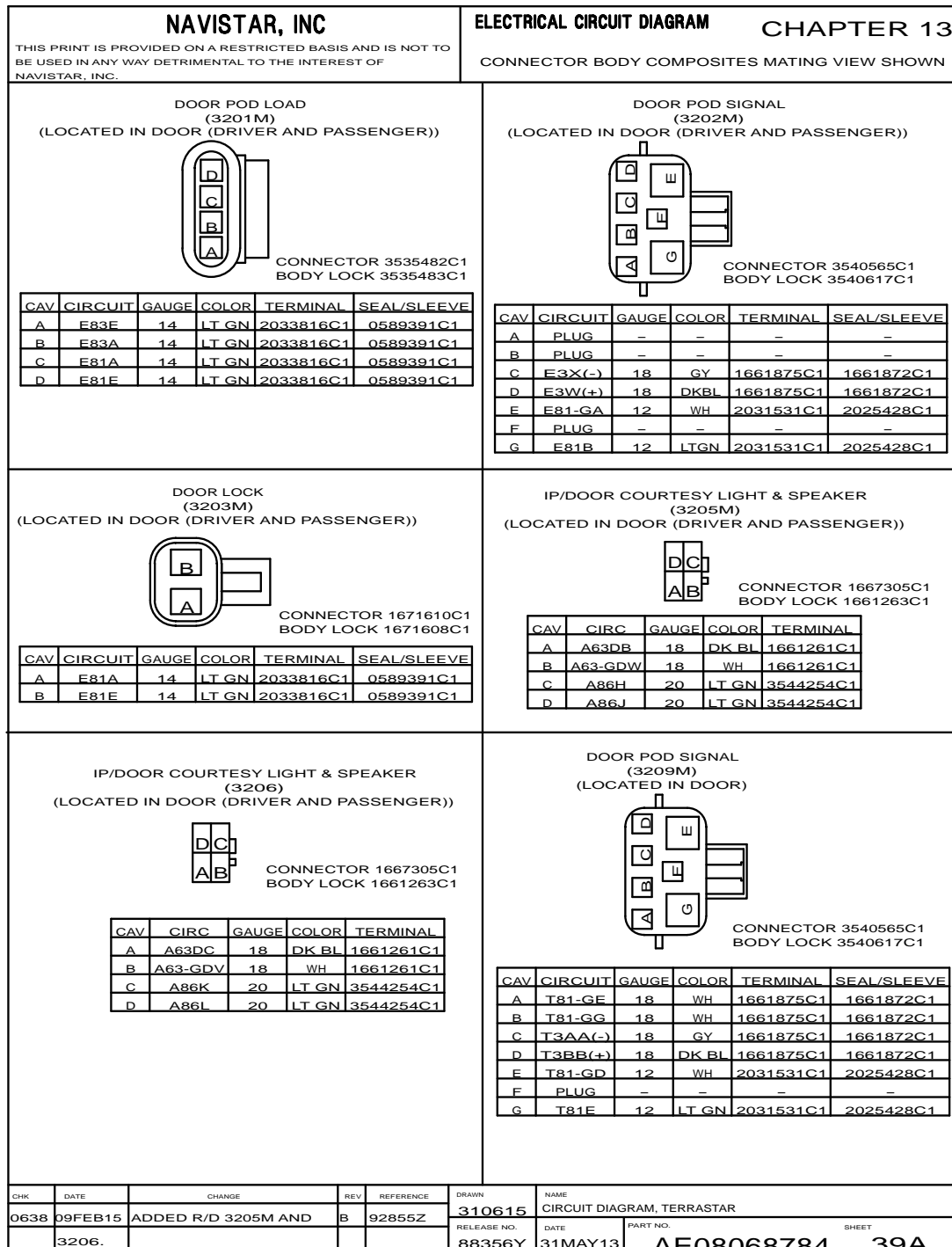


Figure 199 Connector Body Composites (3201M / 3202M / 3203M / 3205M / 3206 / 3209M)

13.47. CONNECTOR BODY COMPOSITES (3204 / 4000 / 4001 / 4004 / 4031 / 4032), P. 40


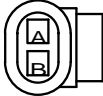

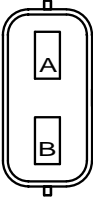


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C	A81A	12	LTGN	3566715C1																																																								
D	A81-G	12	WH	3566715C1																																																								
E	A63-GDV	18	WH	1661208C1																																																								
F	A63DC	18	DKBL	1661208C1																																																								
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CENTER / FORWARD INTERCONNECTOR (4001)  CONNECTOR 1684261C1				MAXI FUSE HOLDER (4004)  * MUTUALLY EXCLUSIVE & W/ 40A AUX CIRCUIT # W/ 30A AUX CIRCUIT CONNECTOR 3525613C1																																																								
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A*	M14L	10	RD	3515526C1	3515525C1																																																							
A*	M14L	12	RD	3614762C1	3541256C1																																																							
B&	M103C	12	LTGN	3614762C1	3541256C1																																																							
B#	M14WB	12	RD	3614762C1	3541256C1																																																							
HYDROMAX FLOW SWITCH (4031) (LOCATED ON HYDROMAX UNIT ON LEFT SIDE OF DASH)  CONNECTOR 2036584C1				HYDROMAX DIFFERENTIAL PRESSURE SWITCH (4032) (LOCATED ON HYDROMAX UNIT ON LEFT SIDE OF DASH)  CONNECTOR 3518873C91																																																								
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>CAV</th> <th>CIRCUIT</th> <th>GAUGE</th> <th>COLOR</th> <th>TERMINAL</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>A90CA</td> <td>16</td> <td>GY</td> <td>2036586C1</td> </tr> <tr> <td>B</td> <td>A90-G</td> <td>16</td> <td>WH</td> <td>2036586C1</td> </tr> </tbody> </table>				CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	A	A90CA	16	GY	2036586C1	B	A90-G	16	WH	2036586C1	<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>CAV</th> <th>CIRCUIT</th> <th>GAUGE</th> <th>COLOR</th> <th>TERMINAL</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>A90C</td> <td>16</td> <td>GY</td> <td>ASSY</td> </tr> <tr> <td>B</td> <td>A90B</td> <td>16</td> <td>GY</td> <td>ASSY</td> </tr> </tbody> </table>				CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	A	A90C	16	GY	ASSY	B	A90B	16	GY	ASSY																							
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012	06JUN13	REVISED AND UPDATED.	B	88356Y	U00KDD2	CIRCUIT DIAGRAM,TERRASTAR																																																						
					RELEASE NO.	DATE	PART NO.	SHEET																																																				
					80257V	07JUL11	AE08068784	040																																																				

Figure 200 Connector Body Composites (3204 / 4000 / 4001 / 4004 / 4031 / 4032)



13.48. CONNECTOR BODY COMPOSITES (4033 / 4040 / 4041 / 4060 / 4087), P. 40A

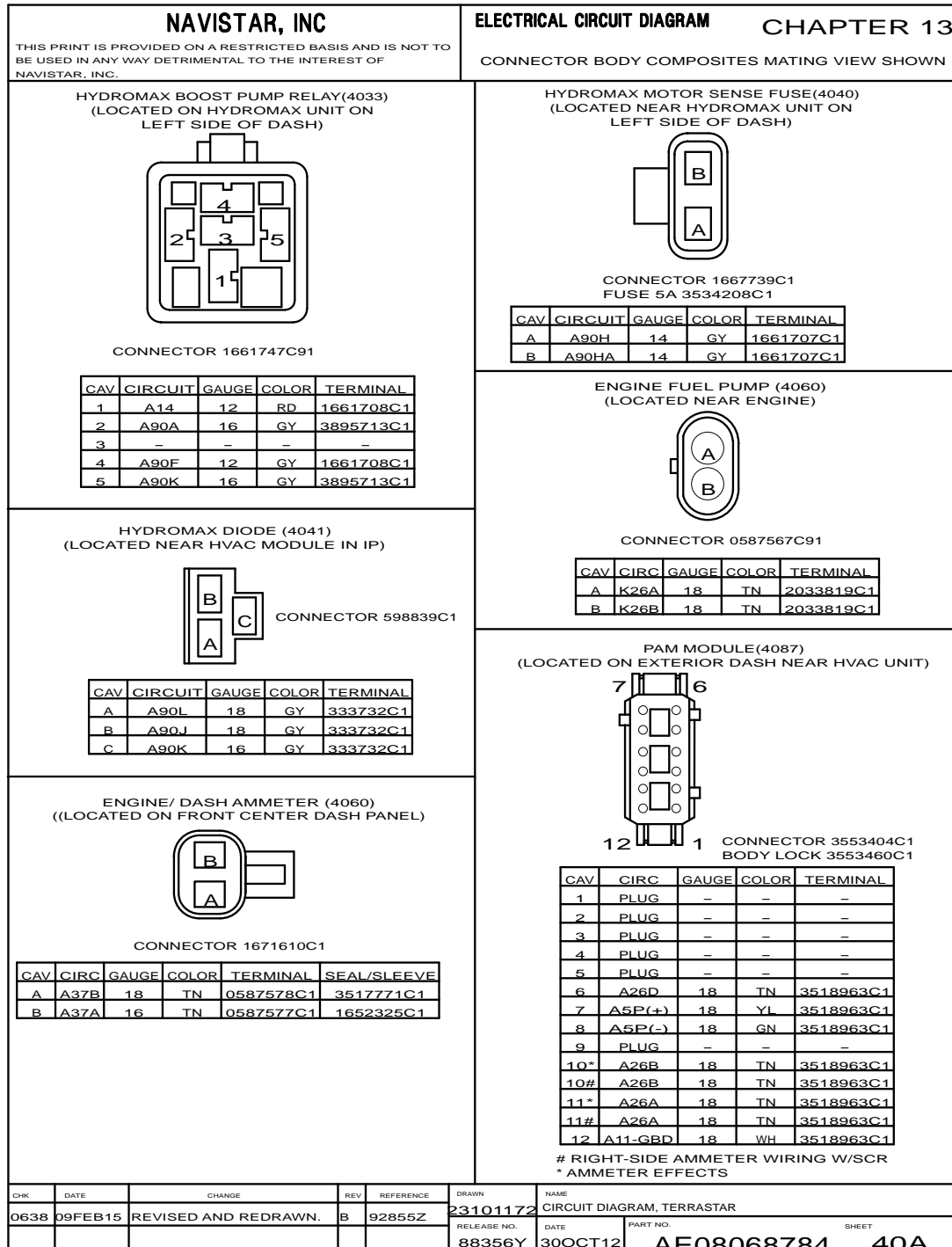


Figure 201 Connector Body Composites (4033 / 4040 / 4041 / 4060 / 4087)

13.49. CONNECTOR BODY COMPOSITES (4410A / 4410B / 4410D / 4411F / 4411M / 4412F), P. 40B

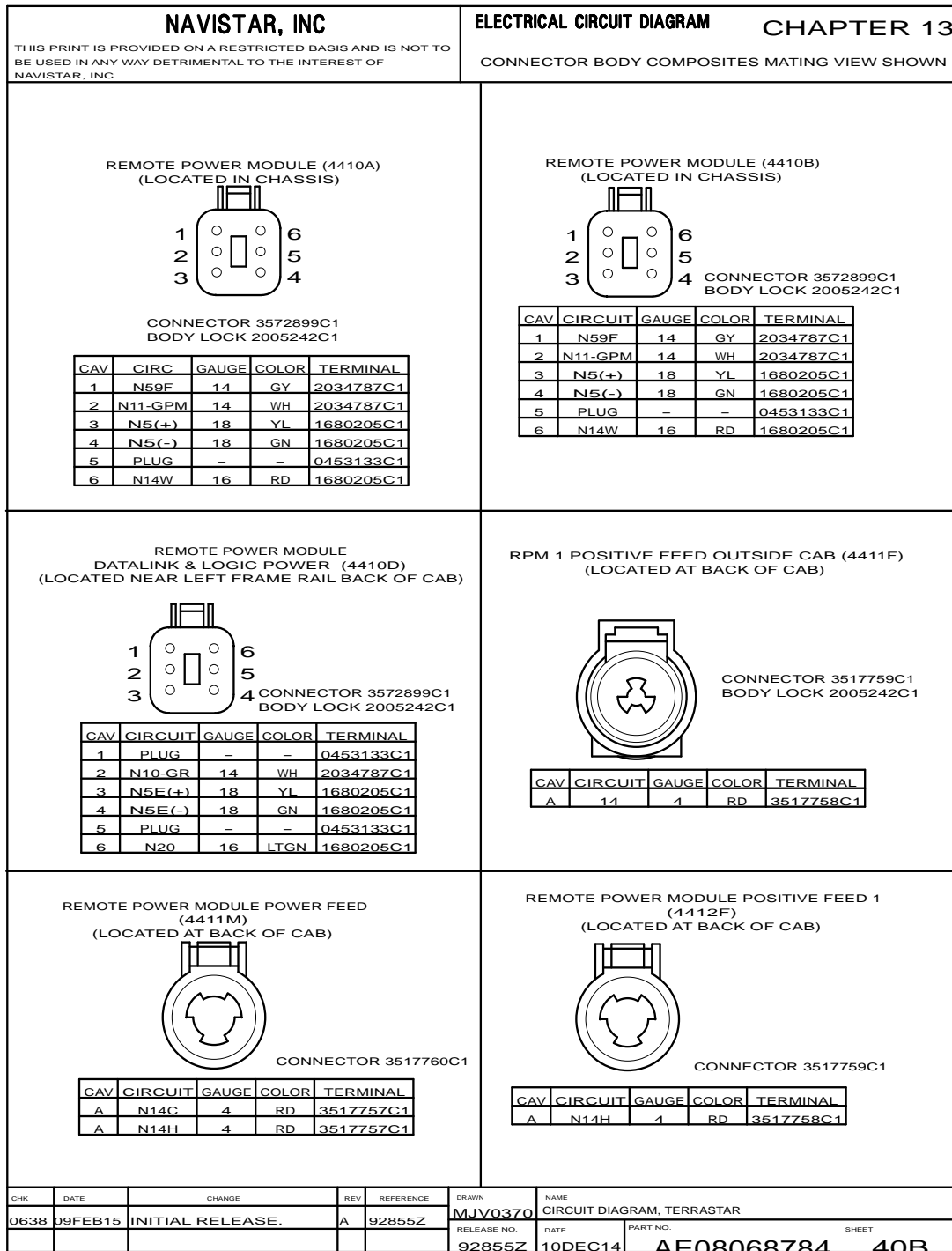


Figure 202 Connector Body Composites (4410A / 4410B / 4410D / 4411F / 4411M / 4412F)

13.50. CONNECTOR BODY COMPOSITES (4412F1 / 4450AM / 4450BM / 4450M / 4060), P. 41

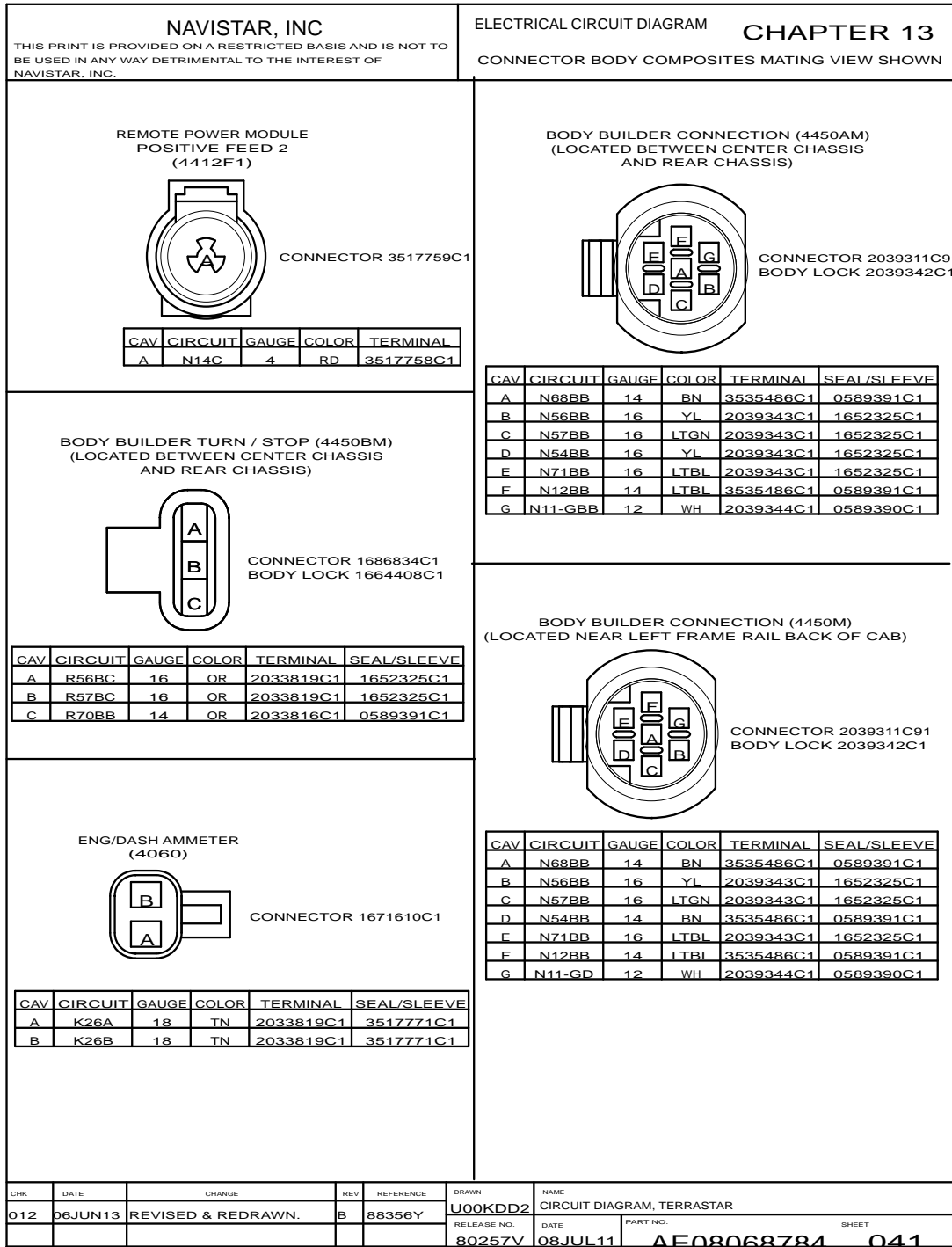


Figure 203 Connector Body Composites (4412F1 / 4450AM / 4450BM / 4450M / 4060)

13.51. CONNECTOR BODY COMPOSITES (4460AM / 4460BF / 4460BM / 4450BF / 4460M / 4500 / 4906), P. 42

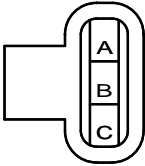
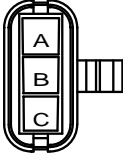
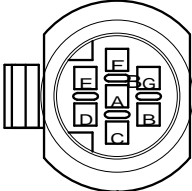
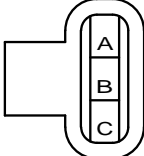
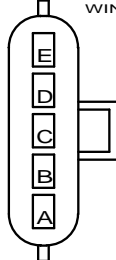
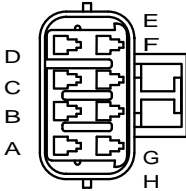
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<p>BODY BUILDER TURN / STOP (4460AM) (LOCATED BETWEEN CENTER CHASSIS AND REAR CHASSIS)</p>  <p>CONNECTOR 1686834C1 BODY LOCK 1664408C1</p>				<p>BODY BUILDER TURN/STOP (4460BF) (LOCATED AT MAIN TO REAR CHASSIS INTERCONNECT)</p>  <p>CONNECTOR 3553961C1 BODY LOCK 3554019C1</p>																																																																																																					
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Figure 204 Connector Body Composites (4460AM / 4460BF / 4460BM / 4450BF / 4460M / 4500 / 4906)

13.52. CONNECTOR BODY COMPOSITES (6011 / 6020M), P. 43

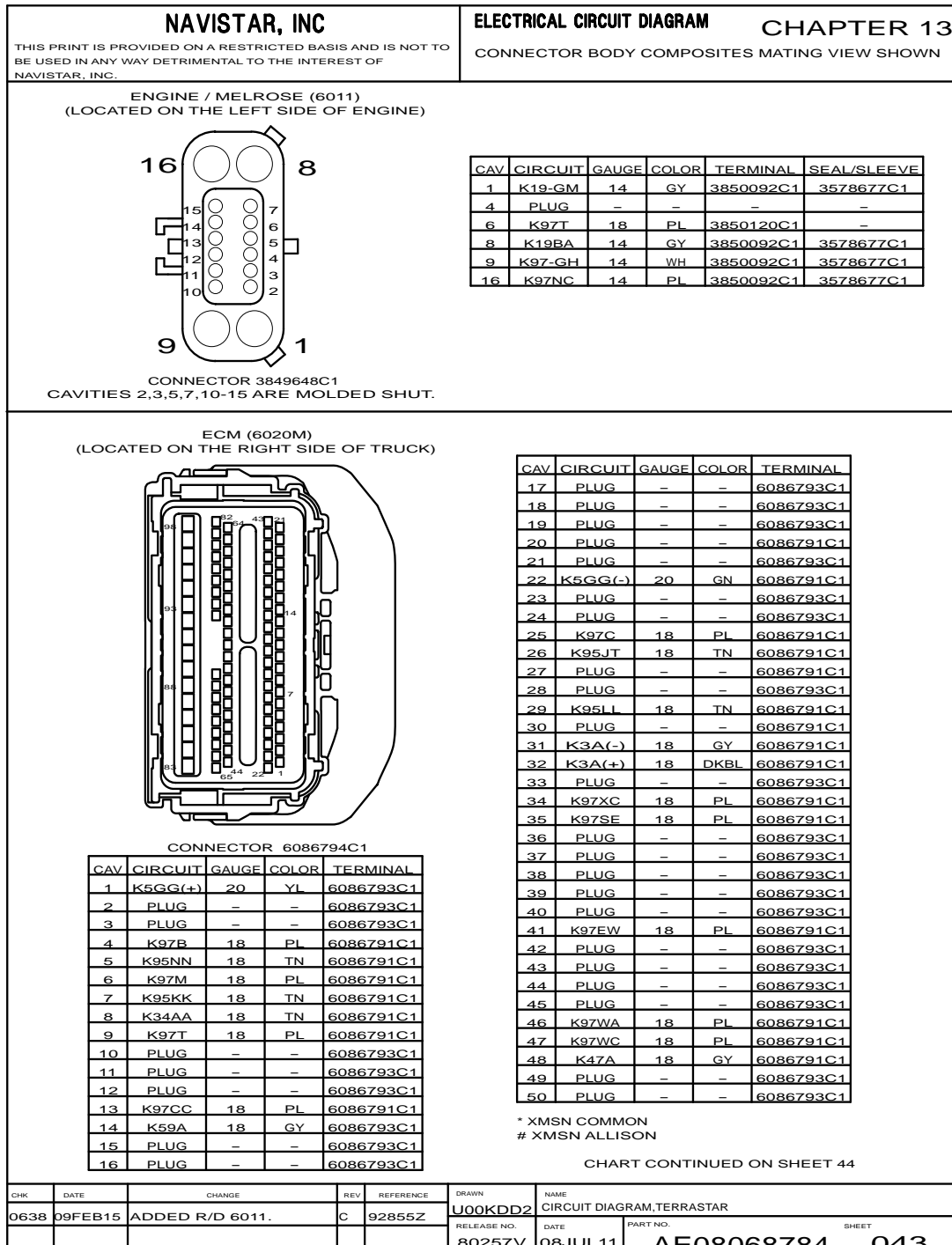


Figure 205 Connector Body Composites (6011 / 6020M)

13.53. CONNECTOR BODY COMPOSITES (6020M), P. 44

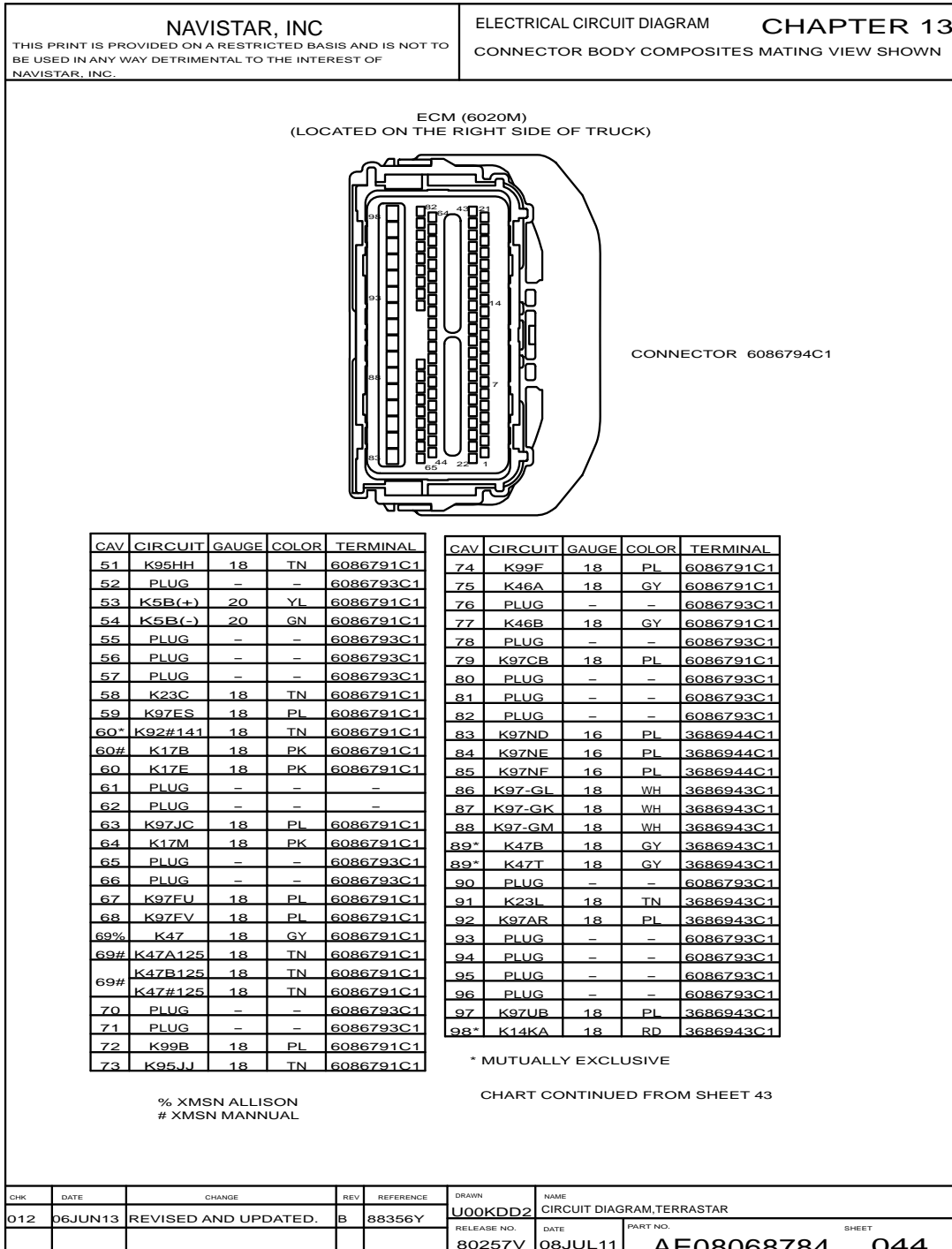
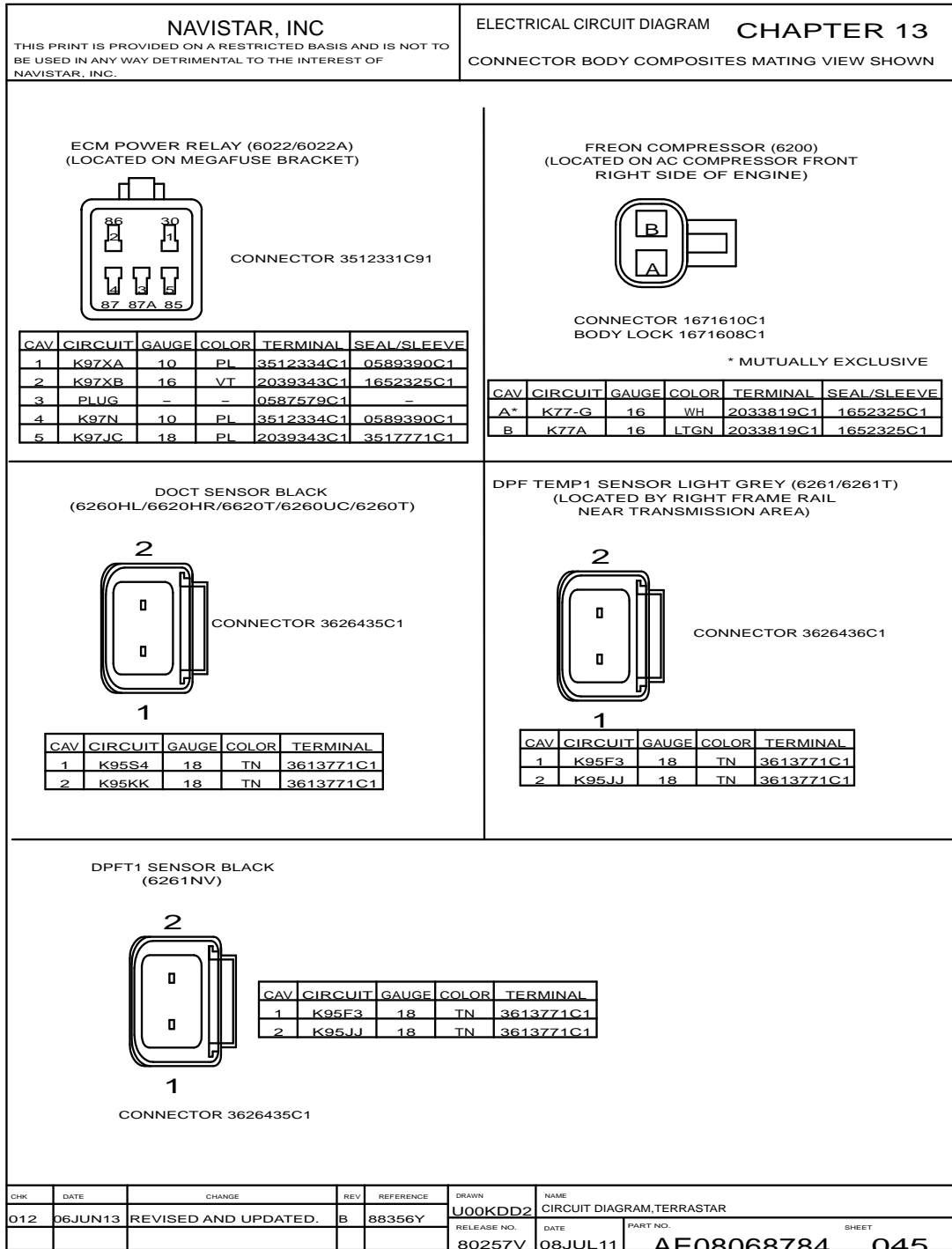


Figure 206 Connector Body Composites (6020M)

**13.54. CONNECTOR BODY COMPOSITES (6022 / 6022A / 6200 / 6260HL / 6620HR / 6620T / 6260UC / 6260T / 6261 / 6261T / 6261NV), P. 45**



**Figure 207 Connector Body Composites (6022 / 6022A / 6200 / 6260HL / 6620HR / 6620T / 6260UC / 6260T / 6261 / 6261T / 6261NV)**

13.55. CONNECTOR BODY COMPOSITES (6262 / 6262NV / 6262T / 6263 / 6263NV / 6263T / 6322), P. 45A

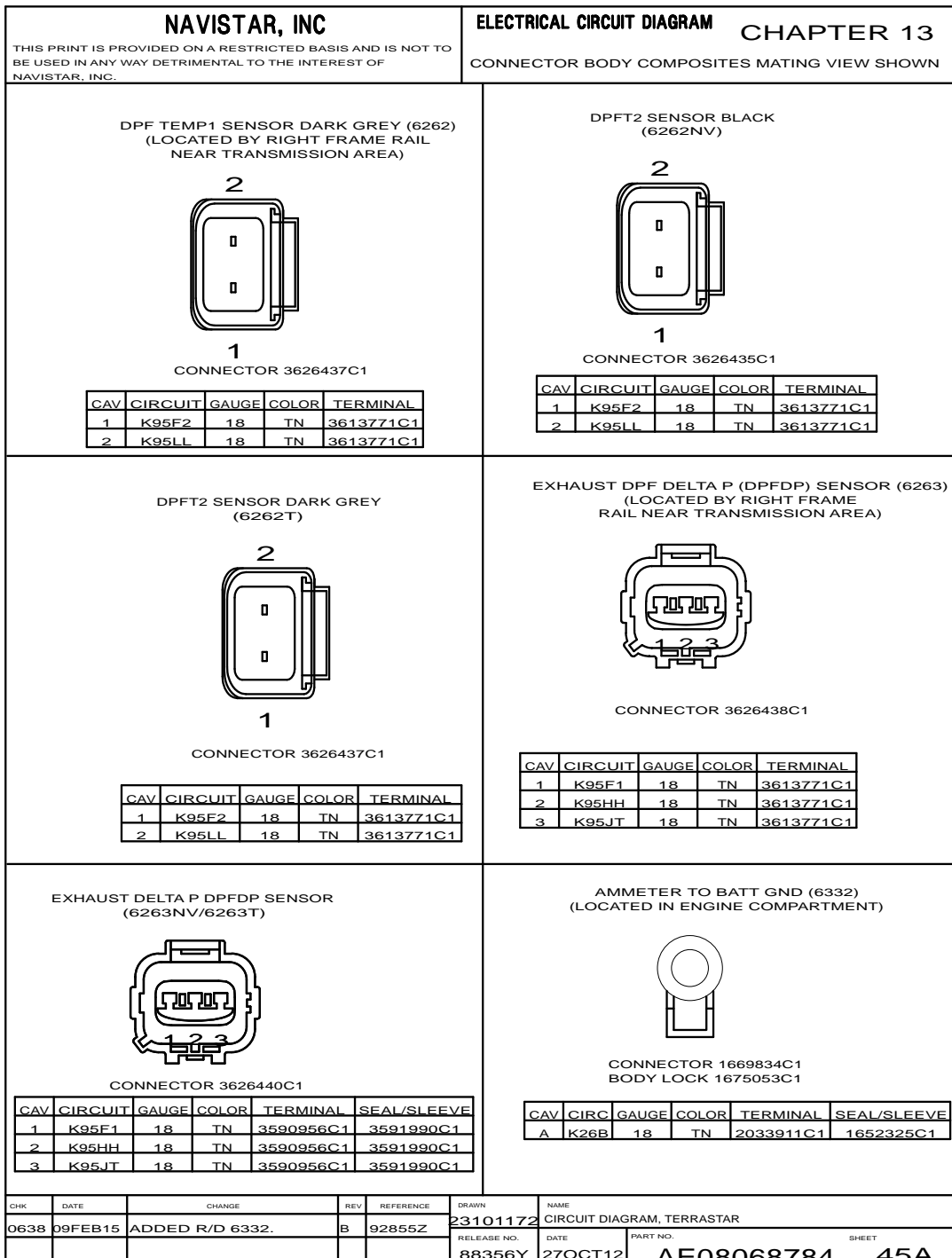


Figure 208 Connector Body Composites (6262 / 6262NV / 6262T / 6263 / 6263NV / 6263T / 6322)



13.56. CONNECTOR BODY COMPOSITES (6333 / 6334 / 6400 / 6405 / 6561 / 6704M), P. 46

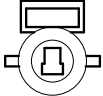
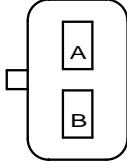
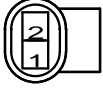
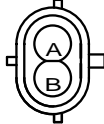
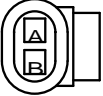
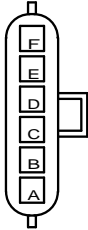
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<p>AMMETER TO BATT GND (6333) (LOCATED IN ENGINE COMPARTMENT)</p>  <p>CONNECTOR 1664531C1 BODY LOCK 1675053C1</p> <table border="1" style="width:100%; border-collapse: collapse; font-size: x-small;"> <thead> <tr> <th>CAV</th> <th>CIRC</th> <th>GAUGE</th> <th>COLOR</th> <th>TERMINAL</th> <th>SEAL/SLEEVE</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>K26A</td> <td>18</td> <td>TN</td> <td>2033819C1</td> <td>0589391C1</td> </tr> </tbody> </table>				CAV	CIRC	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE	A	K26A	18	TN	2033819C1	0589391C1	<p>2-WAY RADIO BATTERY POWER (6334) (LOCATED IN ENGINE AREA NEAR IP / ENGINE INTERCONNECT)</p>  <p>* MUTUALLY EXCLUSIVE</p> <p>CONNECTOR 1671610C1 BODY LOCK 1671608C1</p> <table border="1" style="width:100%; border-collapse: collapse; font-size: x-small;"> <thead> <tr> <th>CAV</th> <th>CIRCUIT</th> <th>GAUGE</th> <th>COLOR</th> <th>TERMINAL</th> <th>SEAL/SLEEVE</th> </tr> </thead> <tbody> <tr> <td>A*</td> <td>A14HC</td> <td>16</td> <td>RD</td> <td>2033819C1</td> <td>1652325C1</td> </tr> <tr> <td>A*</td> <td>A14HF</td> <td>16</td> <td>RD</td> <td>2033819C1</td> <td>1652325C1</td> </tr> <tr> <td>B*</td> <td>A11-GAP</td> <td>16</td> <td>WH</td> <td>2033819C1</td> <td>1652325C1</td> </tr> <tr> <td>B*</td> <td>A11-GAP</td> <td>16</td> <td>WH</td> <td>2033819C1</td> <td>1652325C1</td> </tr> </tbody> </table>				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																		
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<p>COOLANT LEVEL SENSOR (6400) (LOCATED ON SURGE TANK)</p>  <p>CONNECTOR 3554317C1</p> <table border="1" style="width:100%; border-collapse: collapse; font-size: x-small;"> <thead> <tr> <th>CAV</th> <th>CIRCUIT</th> <th>GAUGE</th> <th>COLOR</th> <th>TERMINAL</th> <th>SEAL/SLEEVE</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>K34-GG</td> <td>18</td> <td>WH</td> <td>3554322C1</td> <td>3554318C1</td> </tr> <tr> <td>2</td> <td>K34AA</td> <td>18</td> <td>TN</td> <td>3554322C1</td> <td>3554318C1</td> </tr> </tbody> </table>				CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE	1	K34-GG	18	WH	3554322C1	3554318C1	2	K34AA	18	TN	3554322C1	3554318C1	<p>FUEL COOLER SOLENOID (6405) (LOCATED ON LEFT SIDE OF RADIATOR)</p>  <p>CONNECTOR 3582941C1</p> <table border="1" style="width:100%; border-collapse: collapse; font-size: x-small;"> <thead> <tr> <th>CAV</th> <th>CIRCUIT</th> <th>GAUGE</th> <th>COLOR</th> <th>TERMINAL</th> <th>SEAL/SLEEVE</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>K59A</td> <td>18</td> <td>GY</td> <td>1667742C1</td> <td>3568570C1</td> </tr> <tr> <td>B*</td> <td>K97D</td> <td>16</td> <td>PL</td> <td>1667742C1</td> <td>1661872C1</td> </tr> </tbody> </table> <p>* MUTUALLY EXCLUSIVE</p>				CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE	A	K59A	18	GY	1667742C1	3568570C1	B*	K97D	16	PL	1667742C1	1661872C1																								
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Figure 209 Connector Body Composites (6333 / 6334 / 6400 / 6405 / 6561 / 6704M)

13.57. CONNECTOR BODY COMPOSITES (6747 / 6900 / 7100 / 7103M), P. 47

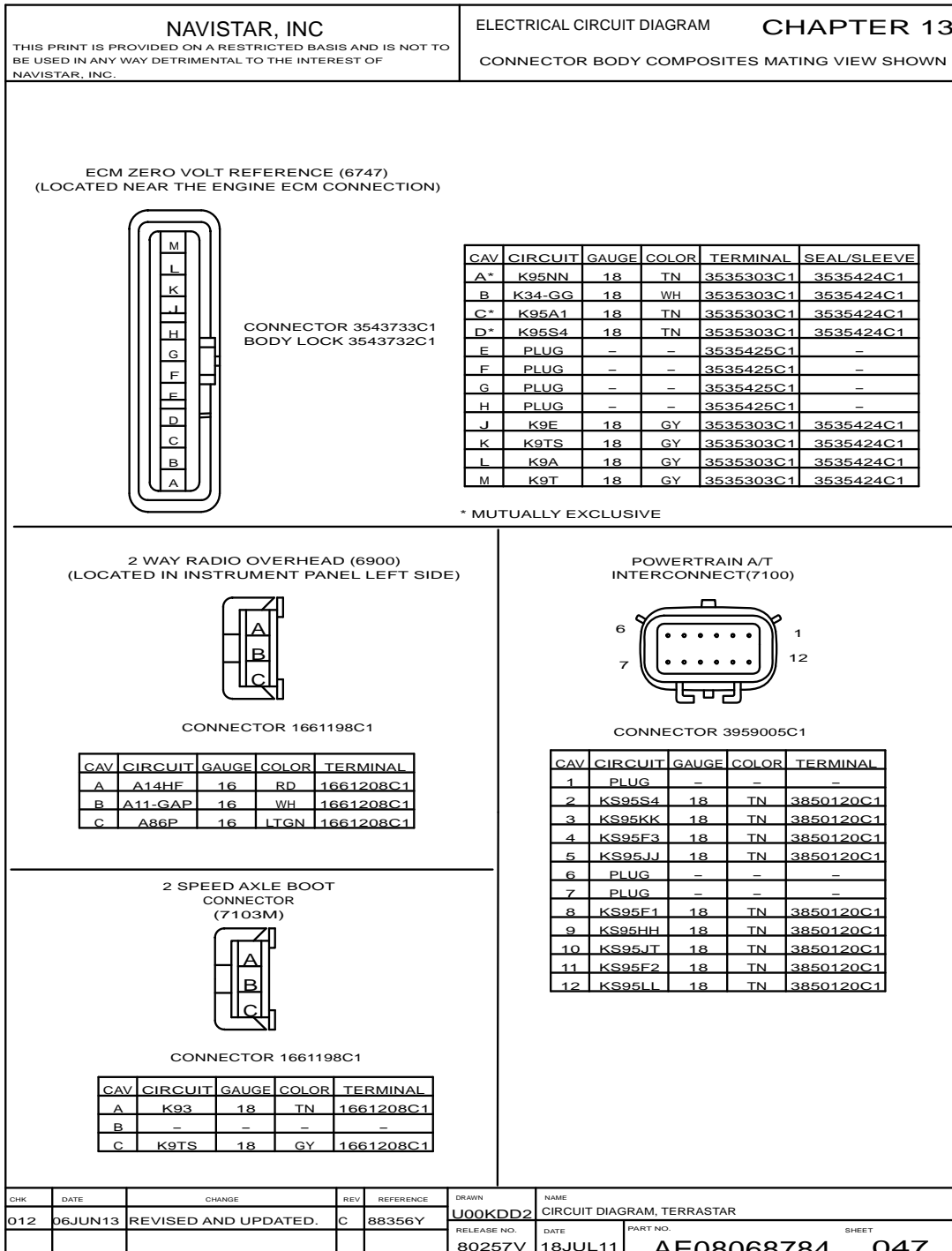


Figure 210 Connector Body Composites (6747 / 6900 / 7100 / 7103M)

13.58. CONNECTOR BODY COMPOSITES (7150), P. 47A

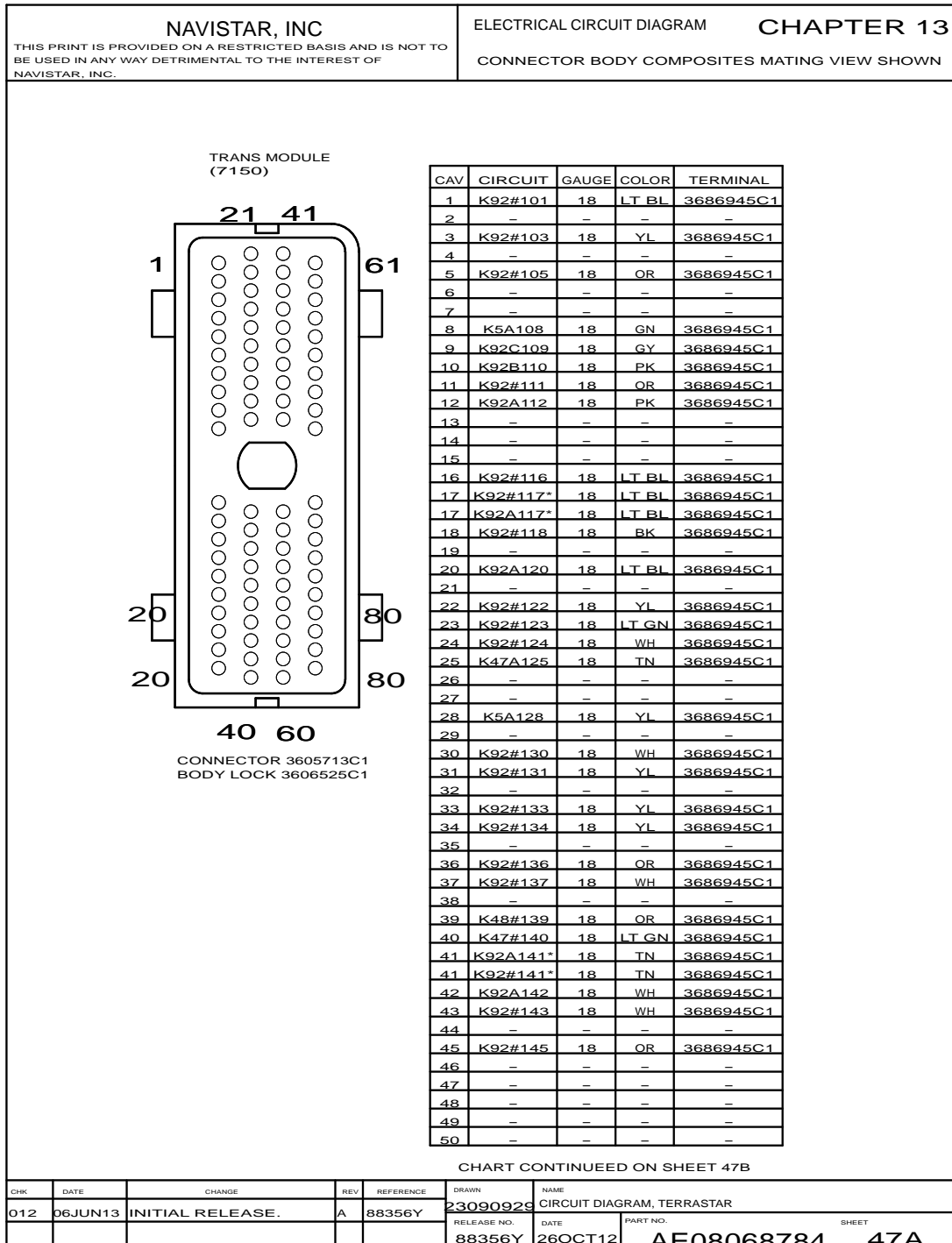


Figure 211 Connector Body Composites (7150)

13.59. CONNECTOR BODY COMPOSITES (7150), P. 47B

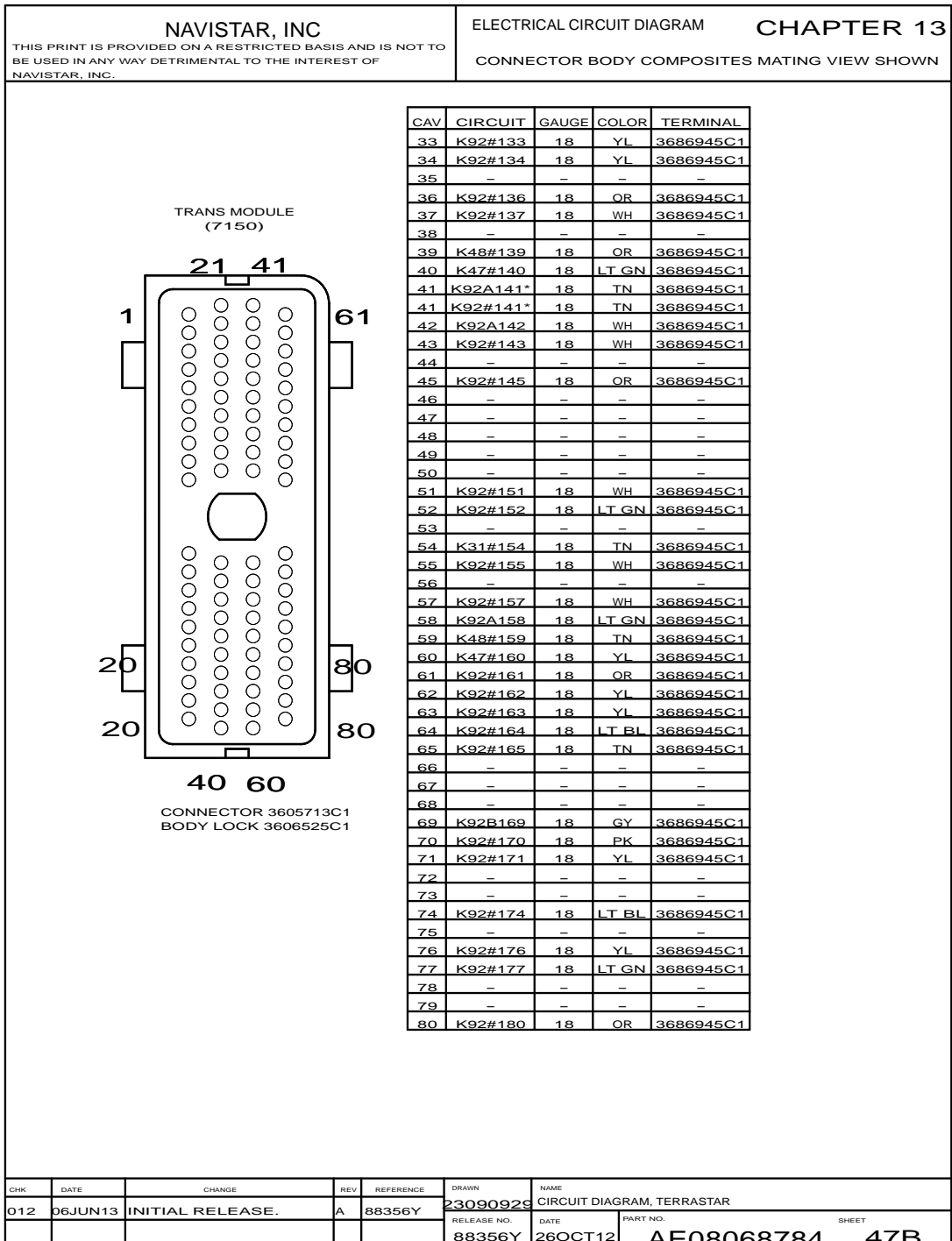


Figure 212 Connector Body Composites (7150)

13.60. CONNECTOR BODY COMPOSITES (7151), P. 48

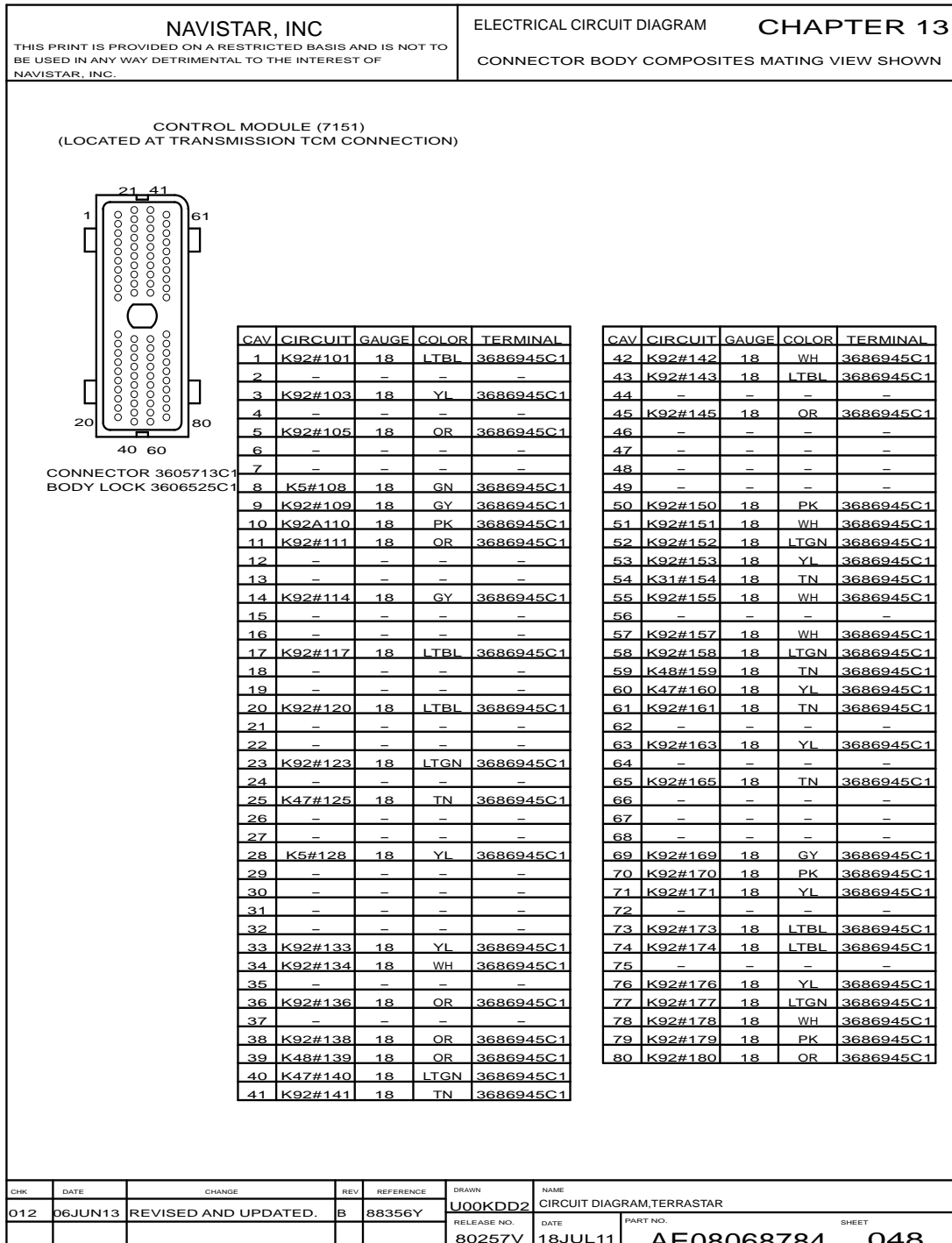


Figure 213 Connector Body Composites (7151)

13.61. CONNECTOR BODY COMPOSITES (7205F / 7206F / 7207M / 7207MA), P. 49

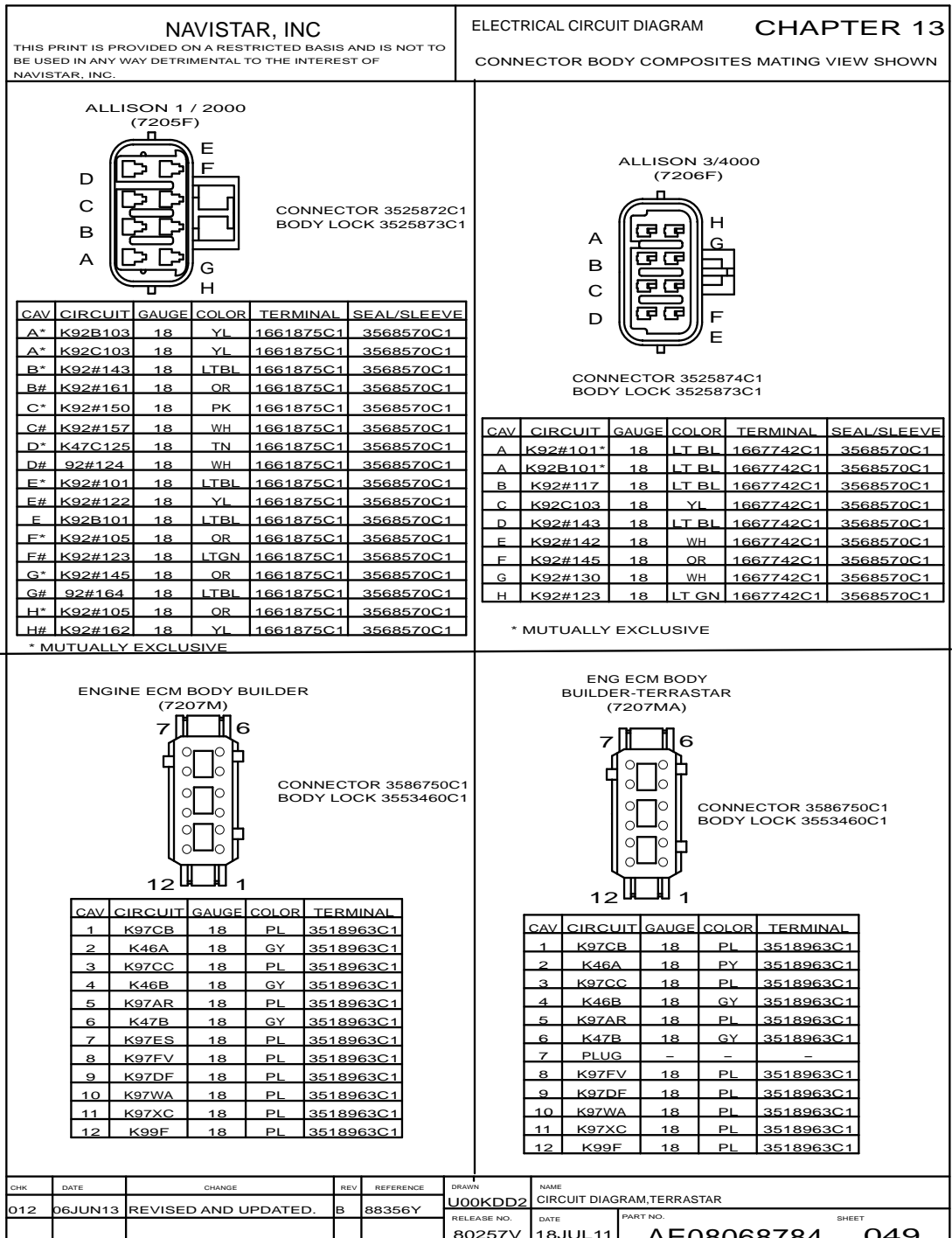


Figure 214 Connector Body Composites (7205F / 7206F / 7207M / 7207MA)

13.62. CONNECTOR BODY COMPOSITES (7208M / 7208A / 7250M / 7350 / 7500M / 7600M), P. 49A

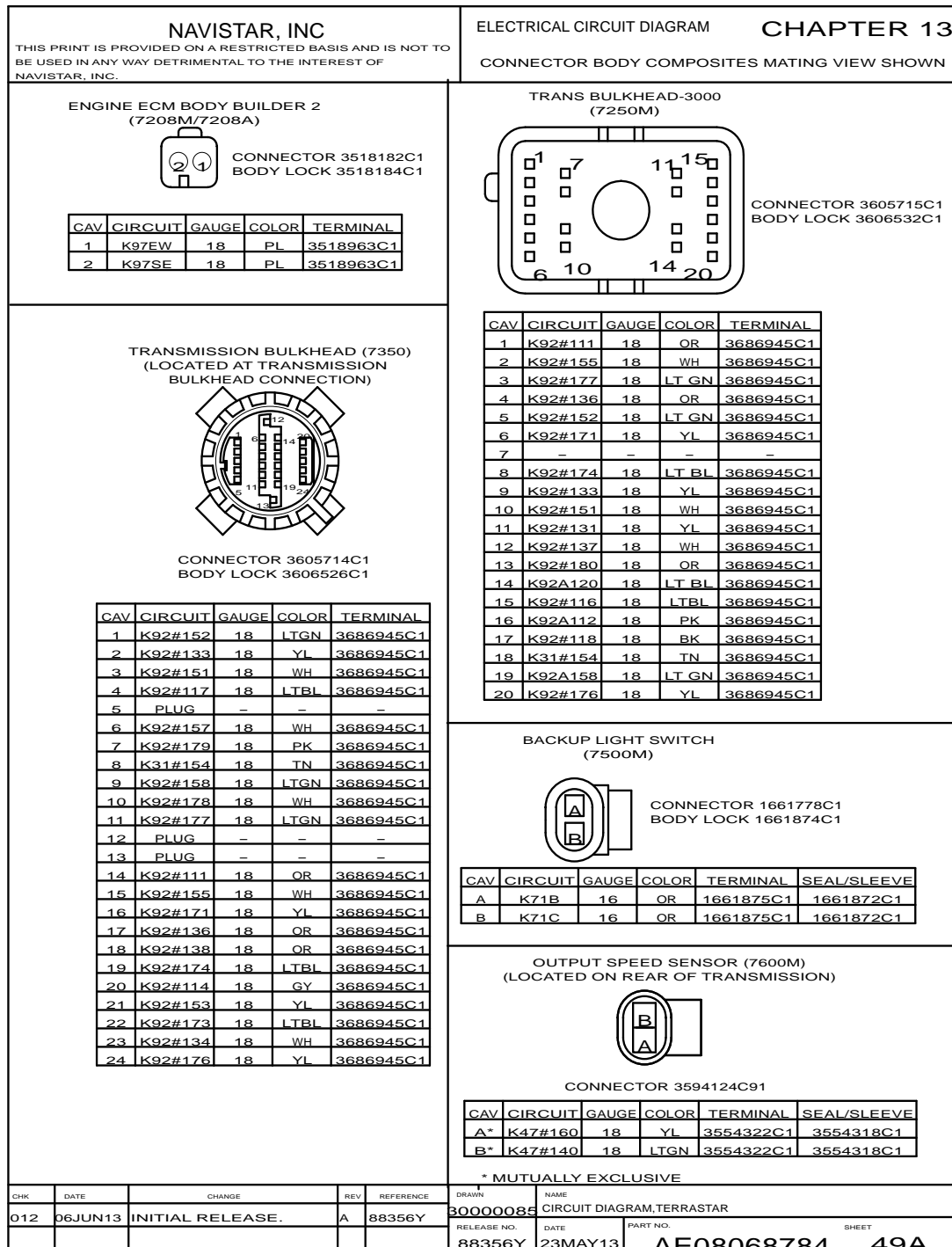


Figure 215 Connector Body Composites (7208M / 7208A / 7250M / 7350 / 7500M / 7600M)

13.63. CONNECTOR BODY COMPOSITES (7601M / 7603M / 7604M / 7605M / 7607M / 7611 / 7700M / 7710), P. 50

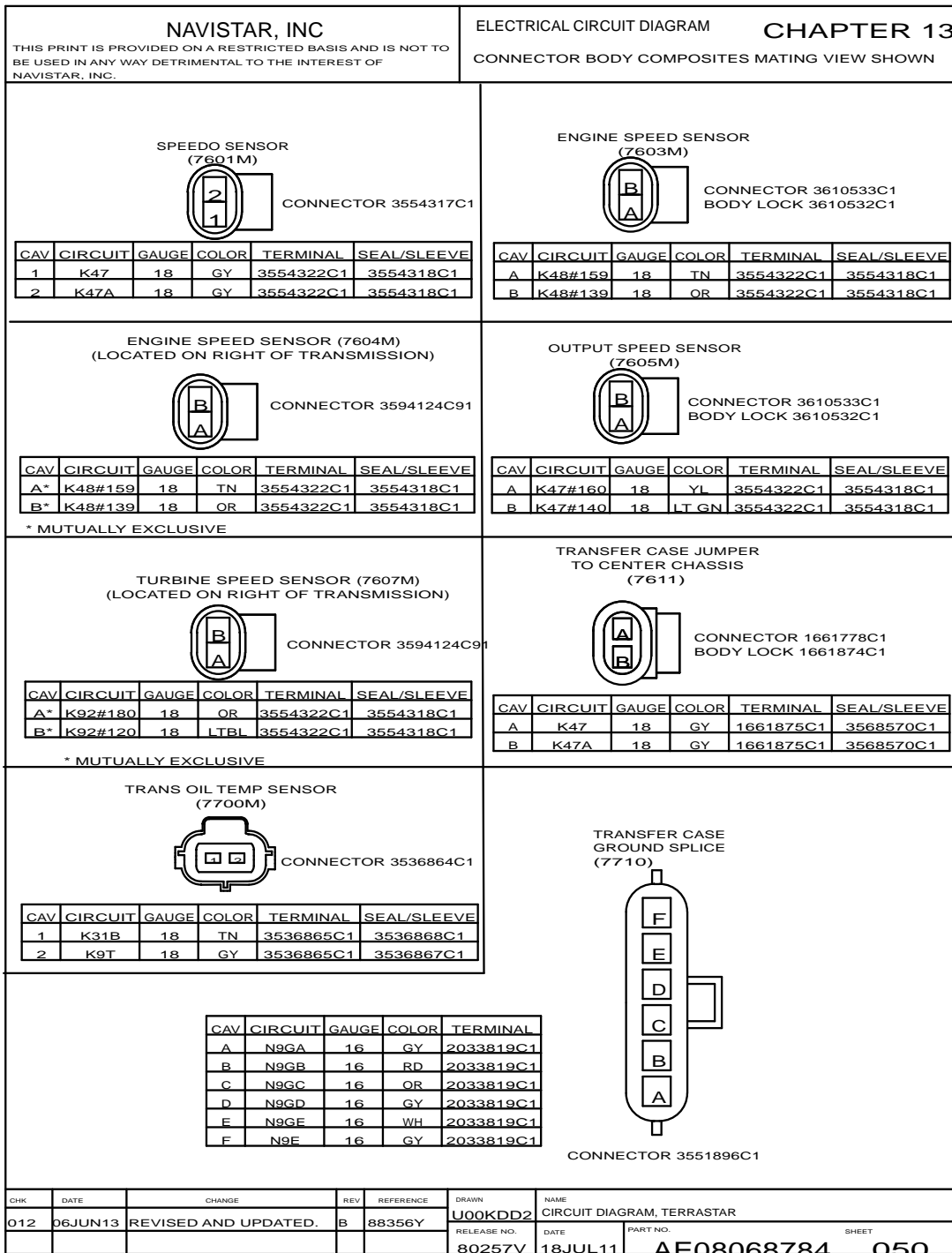


Figure 216 Connector Body Composites (7601M / 7603M / 7604M / 7605M / 7607M / 7611 / 7700M / 7710)



13.64. CONNECTOR BODY COMPOSITES (7711 / 7801M / 8000 / 8001), P. 50A

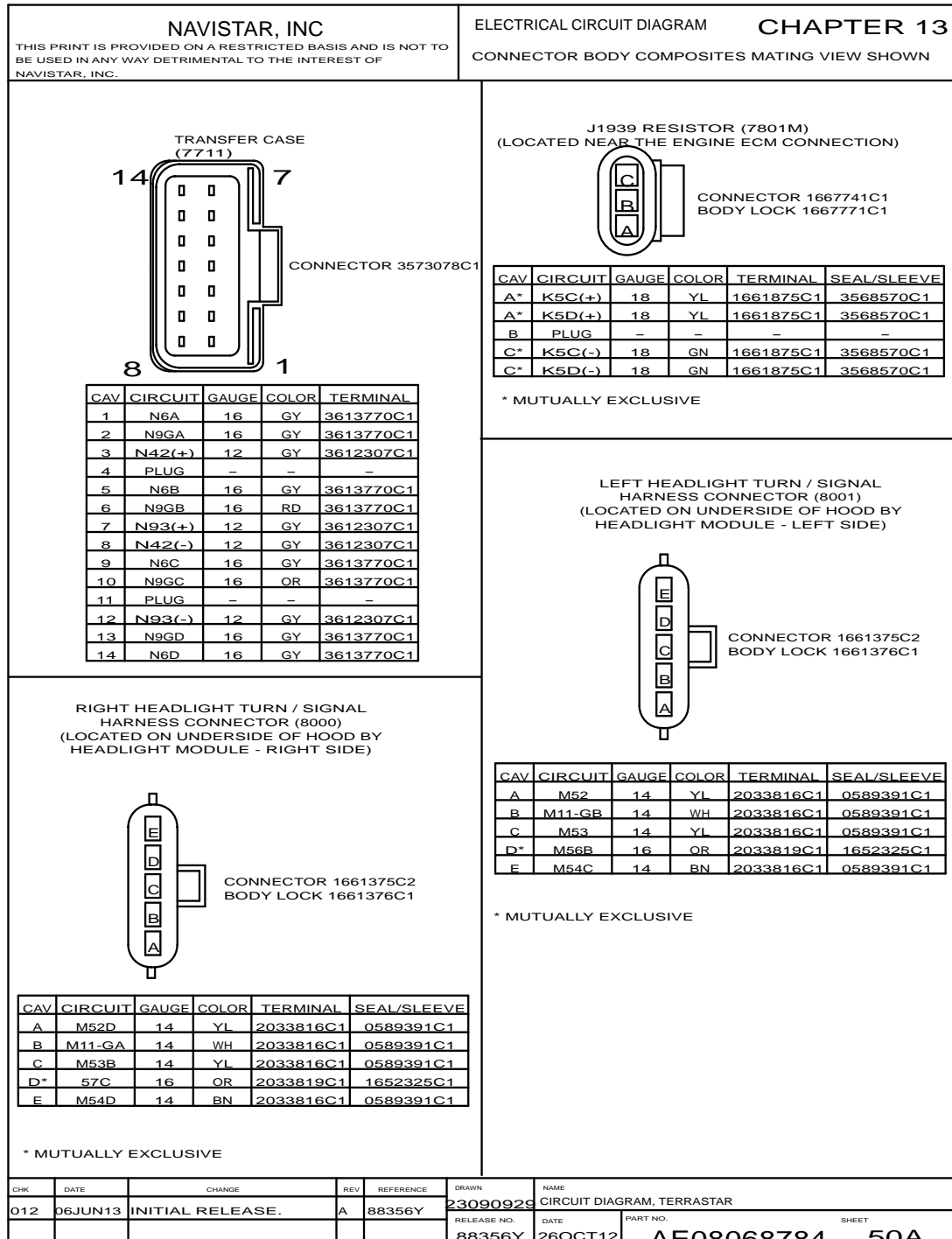


Figure 217 Connector Body Composites (7711 / 7801M / 8000 / 8001)

13.65. CONNECTOR BODY COMPOSITES (8102 / 8150 / 8151 / 8200 / 8201 / 8301), P. 51

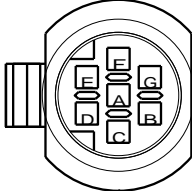


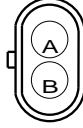
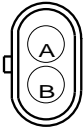
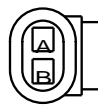
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<p style="text-align: center;">SNOWPLOW HARNESS CONNECTOR (8102) (LOCATED BY LEFT FRAME RAIL NEAR HOOD)</p>  <p style="text-align: center;">CONNECTOR 2039311C91 BODY LOCK 2039342C1</p> <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>CAV</th><th>CIRCUIT</th><th>GAUGE</th><th>COLOR</th><th>TERMINAL</th><th>SEAL/SLEEVE</th></tr> </thead> <tbody> <tr><td>A</td><td>M64HI</td><td>14</td><td>YL</td><td>3535486C1</td><td>0589391C1</td></tr> <tr><td>B</td><td>M11-GE</td><td>14</td><td>WH</td><td>3535486C1</td><td>0589391C1</td></tr> <tr><td>C</td><td>M64LO</td><td>14</td><td>YL</td><td>3535486C1</td><td>0589391C1</td></tr> <tr><td>D</td><td>M56D</td><td>16</td><td>YL</td><td>2039343C1</td><td>1652325C1</td></tr> <tr><td>E</td><td>M54F</td><td>14</td><td>BN</td><td>3535486C1</td><td>0589391C1</td></tr> <tr><td>F</td><td>M57D</td><td>16</td><td>LTGN</td><td>2039343C1</td><td>1652325C1</td></tr> <tr><td>G</td><td>PLUG</td><td>-</td><td>-</td><td>0587579C1</td><td>-</td></tr> </tbody> </table>	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	-	<p style="text-align: center;">LEFT GUIDE POST LIGHT (8150) (LOCATED ON HOOD LEFT SIDE)</p>  <p style="text-align: center;">CONNECTOR 1661778C1 BODY LOCK 1661874C1</p> <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>CAV</th><th>CIRCUIT</th><th>GAUGE</th><th>COLOR</th><th>TERMINAL</th><th>SEAL/SLEEVE</th></tr> </thead> <tbody> <tr><td>A</td><td>M54H</td><td>16</td><td>BN</td><td>1661875C1</td><td>1661872C1</td></tr> <tr><td>B</td><td>M54-GA</td><td>16</td><td>WH</td><td>1661875C1</td><td>1661872C1</td></tr> </tbody> </table>	CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE	A	M54H	16	BN	1661875C1	1661872C1	B	M54-GA	16	WH	1661875C1	1661872C1
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A	M85E	16	GY	1661875C1	1661872C1																																																														
B	M85-GA	16	WH	1661875C1	1661872C1																																																														
<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th>CHK</th><th>DATE</th><th>CHANGE</th><th>REV</th><th>REFERENCE</th><th>DRAWN</th><th>NAME</th></tr> <tr> <td>CNA1</td><td>26JUL11</td><td>INITIAL RELEASE.</td><td>A</td><td>80257V</td><td>U00KDD2</td><td>CIRCUIT DIAGRAM, TERRASTAR</td></tr> <tr> <td></td><td></td><td></td><td></td><td></td><td>RELEASE NO.</td><td>DATE</td></tr> <tr> <td></td><td></td><td></td><td></td><td></td><td>80257V</td><td>18JUL11</td></tr> <tr> <td></td><td></td><td></td><td></td><td></td><td></td><td>PART NO.</td></tr> <tr> <td></td><td></td><td></td><td></td><td></td><td></td><td>AE08068784</td></tr> <tr> <td></td><td></td><td></td><td></td><td></td><td></td><td>SHEET</td></tr> <tr> <td></td><td></td><td></td><td></td><td></td><td></td><td>051</td></tr> </table>						CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME	CNA1	26JUL11	INITIAL RELEASE.	A	80257V	U00KDD2	CIRCUIT DIAGRAM, TERRASTAR						RELEASE NO.	DATE						80257V	18JUL11							PART NO.							AE08068784							SHEET							051						
CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME																																																													
CNA1	26JUL11	INITIAL RELEASE.	A	80257V	U00KDD2	CIRCUIT DIAGRAM, TERRASTAR																																																													
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						PART NO.																																																													
						AE08068784																																																													
						SHEET																																																													
						051																																																													

Figure 218 Connector Body Composites (8102 / 8150 / 8151 / 8200 / 8201 / 8301)

13.66. CONNECTOR BODY COMPOSITES (8502 / 8503 / 8505A / 8600 / 8602 / 8800),  
P. 52

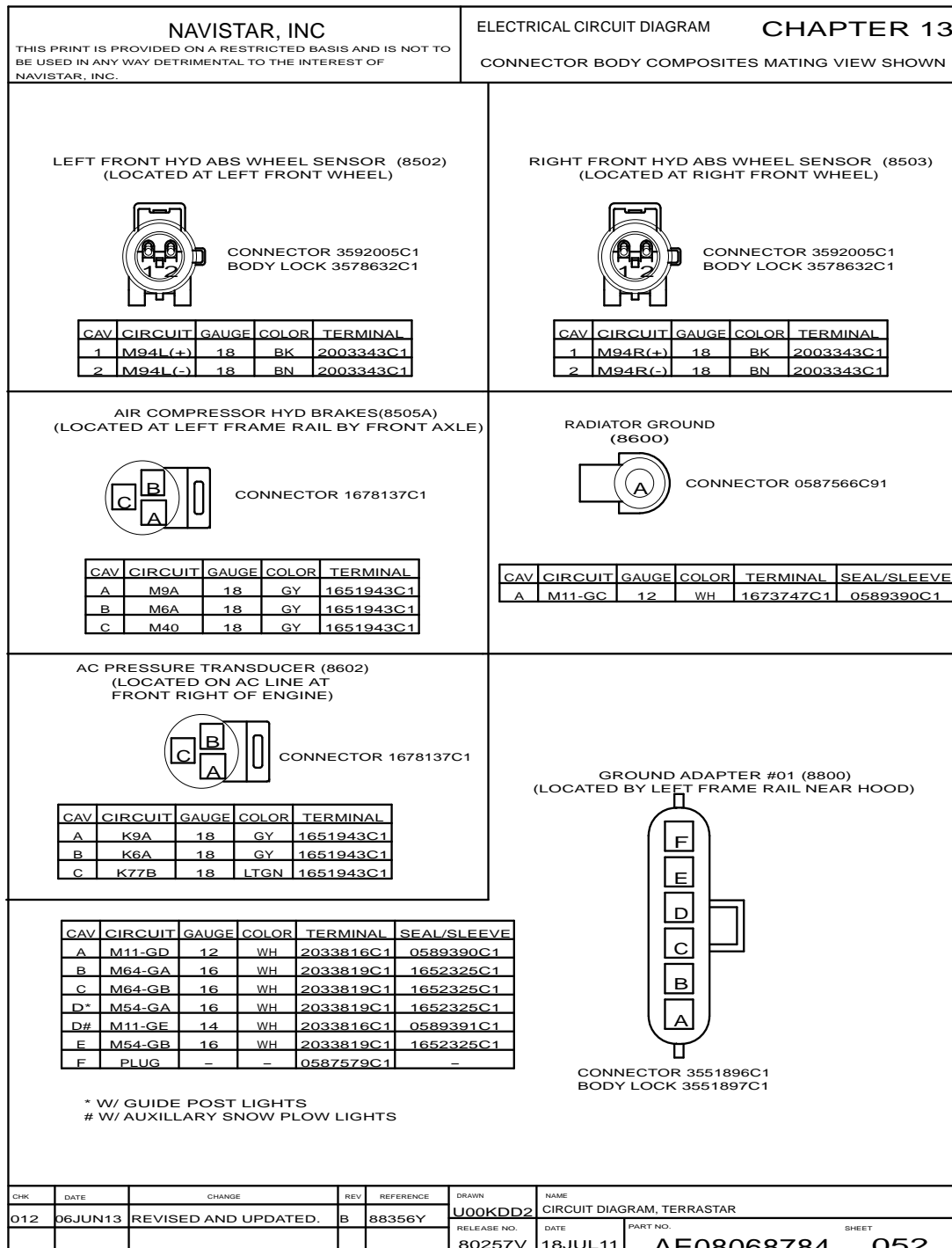


Figure 219 Connector Body Composites (8502 / 8503 / 8505A / 8600 / 8602 / 8800)

13.67. CONNECTOR BODY COMPOSITES (8805 / 8807 / 8881 / 8882), P. 53

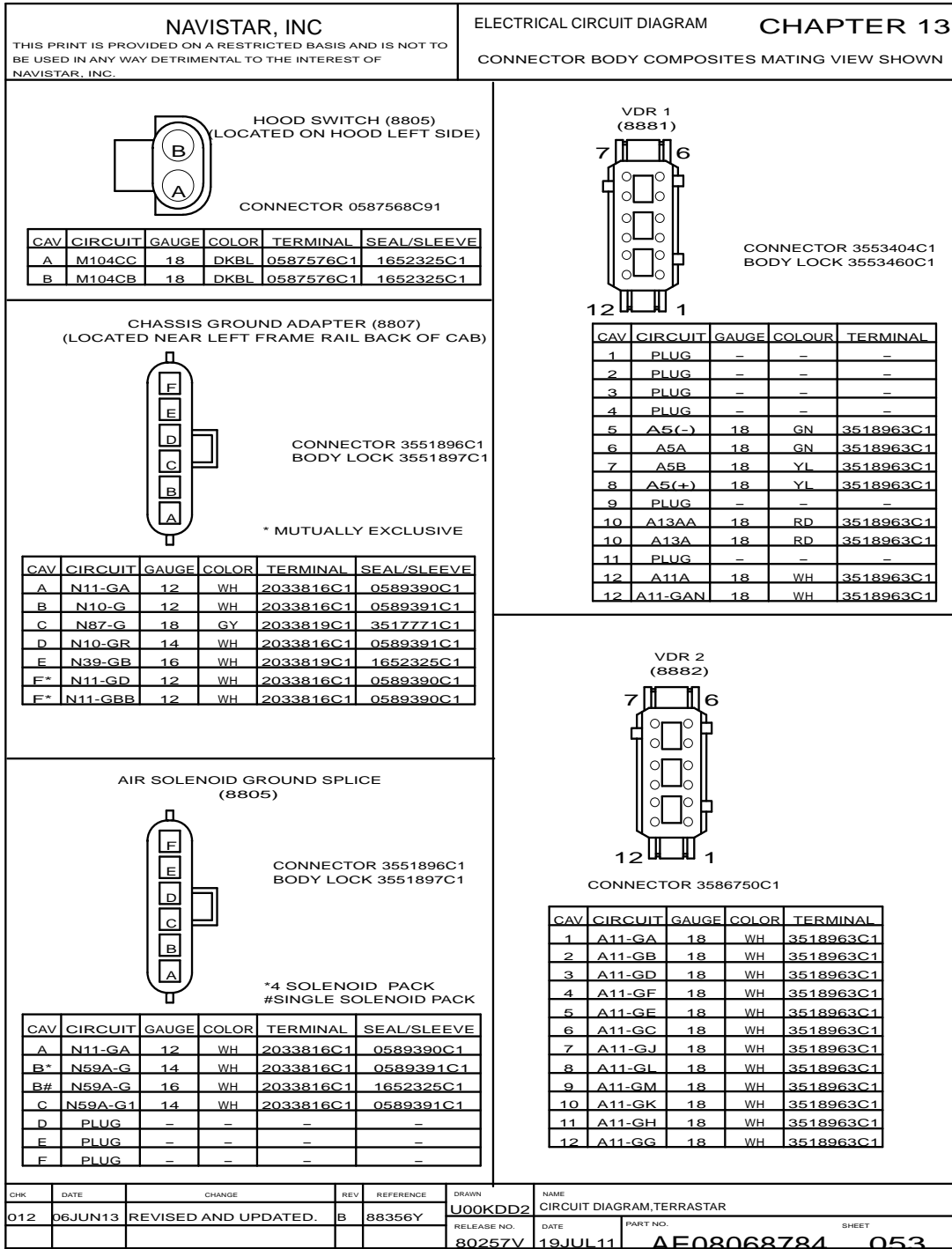


Figure 220 Connector Body Composites (8805 / 8807 / 8881 / 8882)

13.68. CONNECTOR BODY COMPOSITES (8883 / 8884A / 8884C), P. 53A

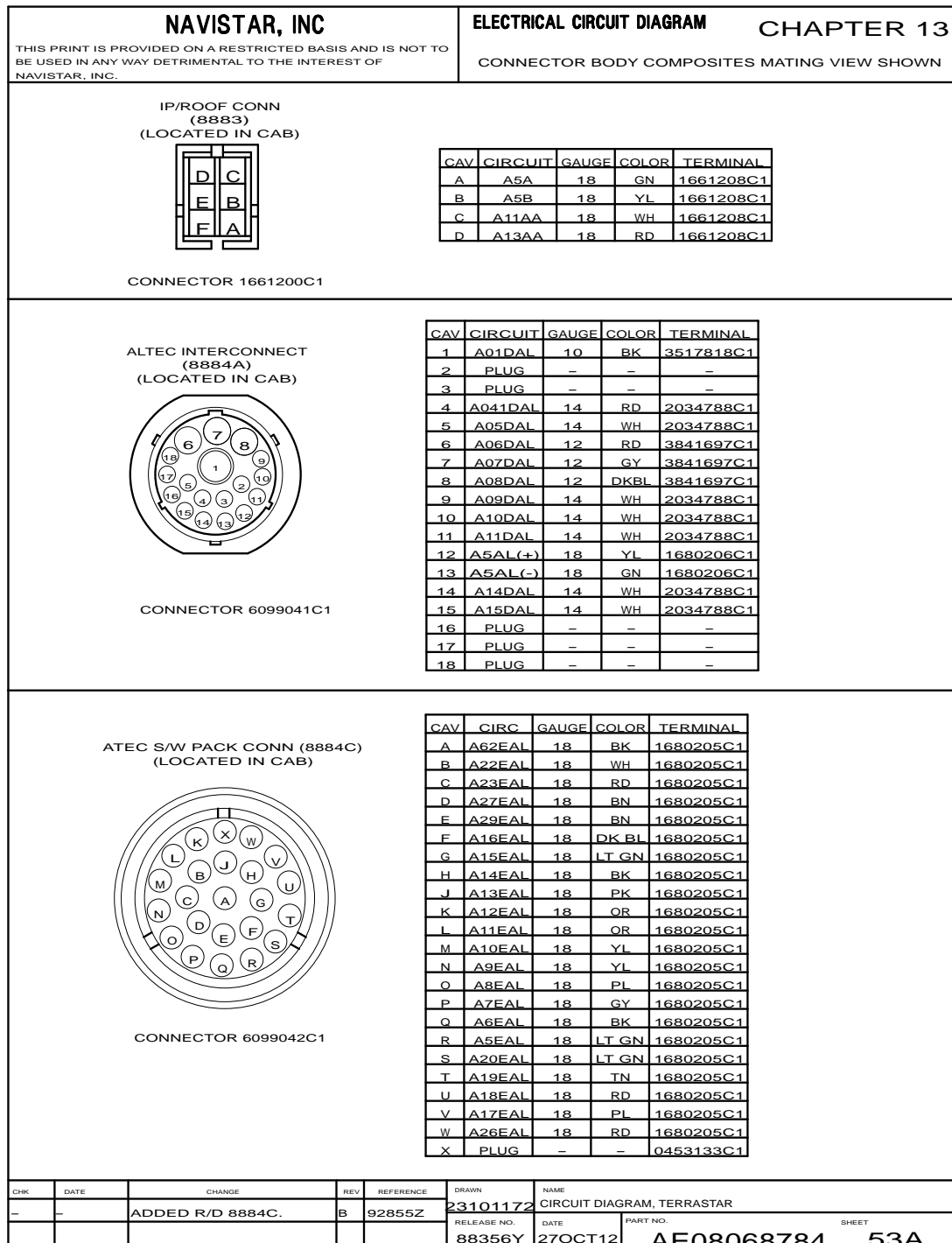


Figure 221 Connector Body Composites (8883 / 8884A / 8884C)

13.69. CONNECTOR BODY COMPOSITES (8995 / 8996), P. 53B

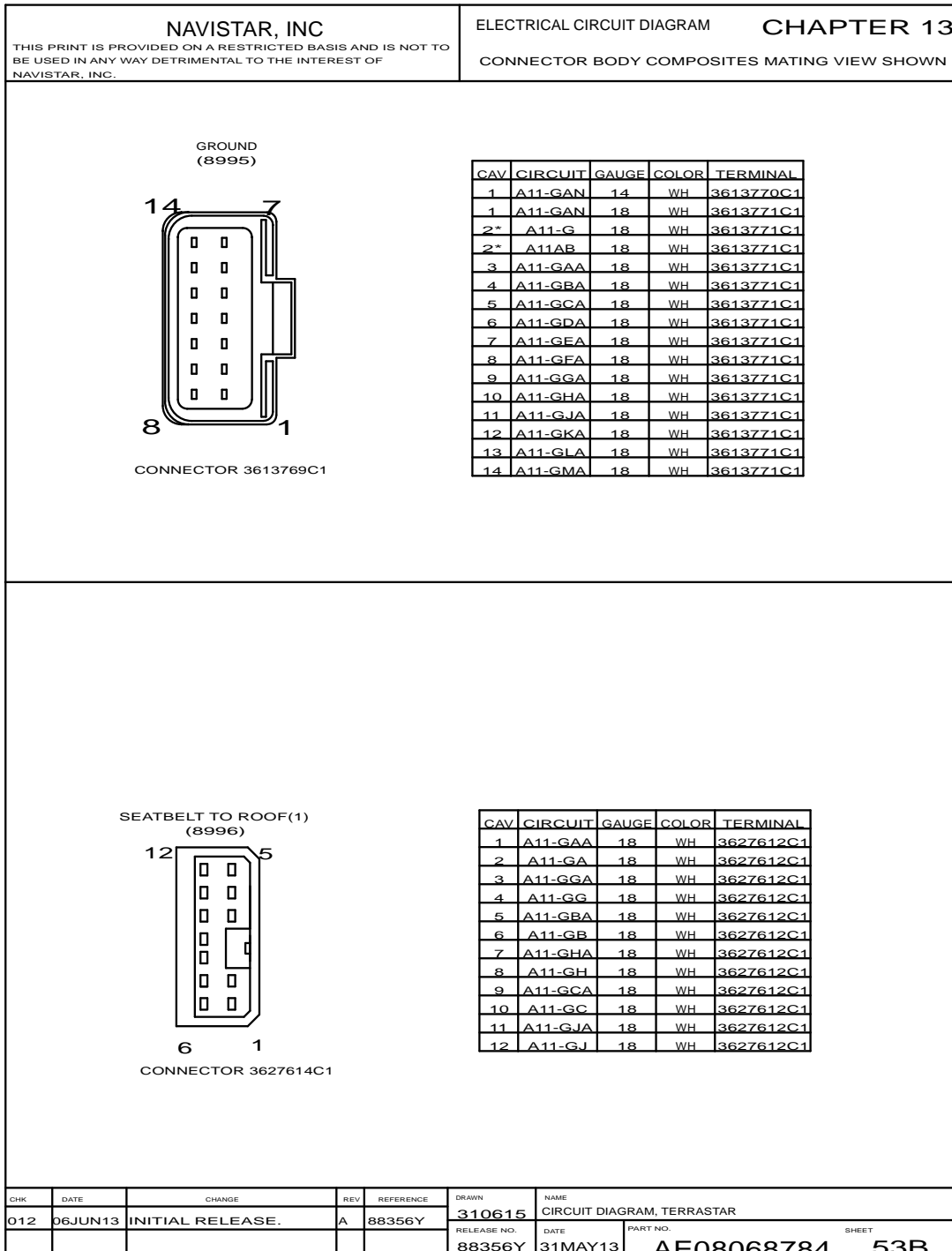


Figure 222 Connector Body Composites (8995 / 8996)

13.70. CONNECTOR BODY COMPOSITES (8997 / 8998 / 8999 / 9001), P. 54

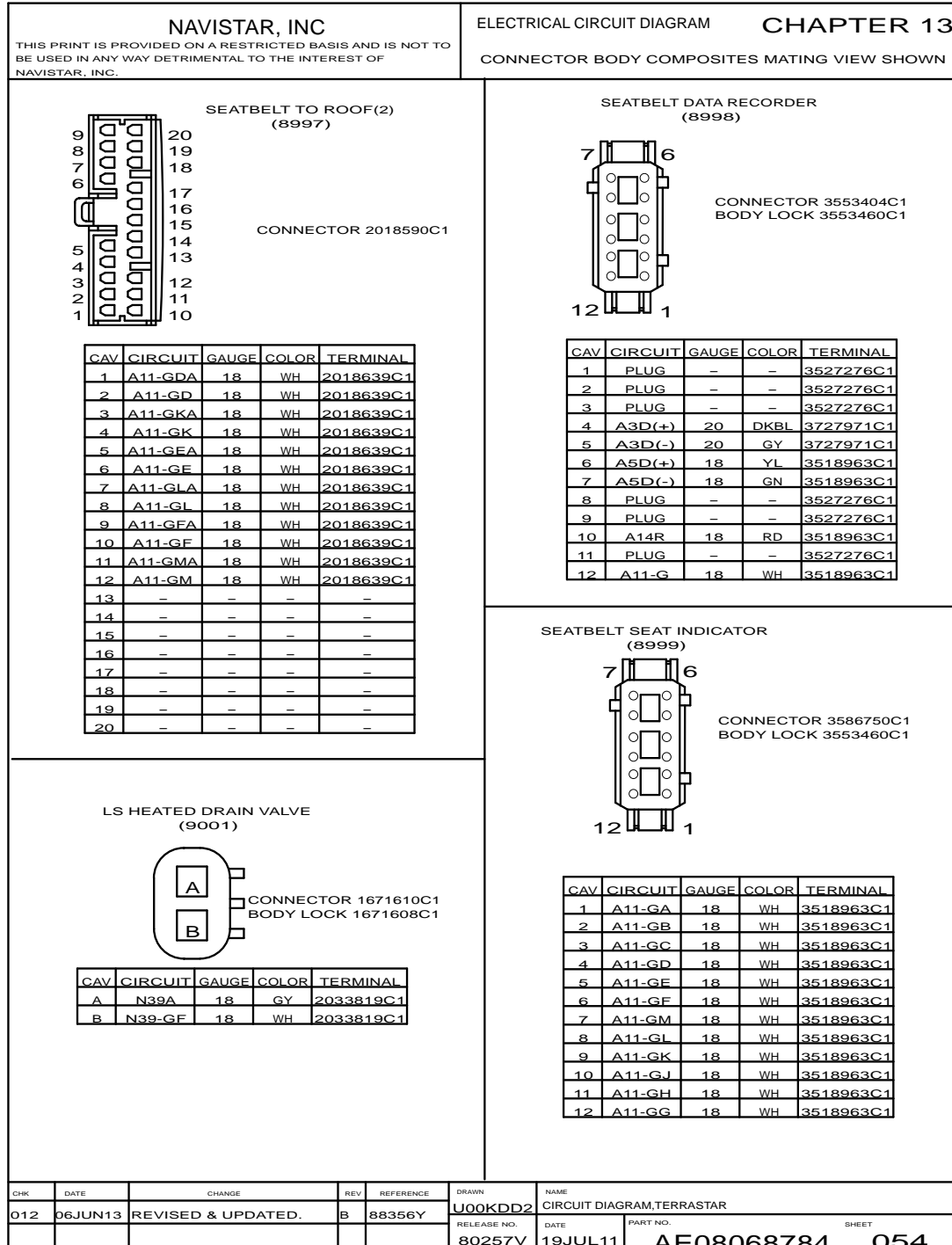


Figure 223 Connector Body Composites (8997 / 8998 / 8999 / 9001)

13.71. CONNECTOR BODY COMPOSITES (9100 / 9101 / 9101A / 9102 / 9260 / 9261), P. 55

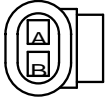
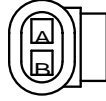
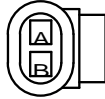
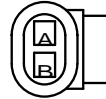
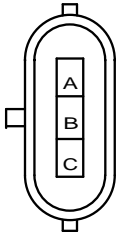
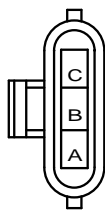
<b>NAVISTAR, INC</b>				<b>ELECTRICAL CIRCUIT DIAGRAM</b>				<b>CHAPTER 13</b>			
THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF NAVISTAR, INC.				CONNECTOR BODY COMPOSITES MATING VIEW SHOWN							
AF FUEL LEVEL SENSOR (9100) (LOCATED ON AF MOUNTED FUEL TANK)						RIGHT FUEL LEVEL SENSOR (9101) (LOCATED ON RIGHT SIDE FUEL TANK)					
											
CONNECTOR 1661778C1 BODY LOCK 1661874C1						CONNECTOR 1661778C1 BODY LOCK 1661874C1					
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE	CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	R36	18	TN	1661875C1	1661872C1	A	N36A	18	TN	1661875C1	1661872C1
B	R9G	18	GY	1661875C1	1661872C1	B	N9B	16	GY	1661875C1	1661872C1
DUAL TANK RIGHT SIDE FUEL SENDER (9101A) (LOCATED ON FUEL TANK)						FUEL TRANSFER PUMP (9102) (LOCATED ON FUEL PUMP - TOP OF BELL HOUSING)					
											
CONNECTOR 1661778C1 BODY LOCK 1661874C1						CONNECTOR 3522068C1 BODY LOCK 1661874C1					
CAV	CIRC	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE	CAV	CIRC	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	N36A	18	TN	1661875C1	1661872C1	A	N37-G	16	WH	1661875C1	1661872C1
B	N9G	16	GY	1661875C1	1661872C1	B	N37D	16	TN	1661875C1	1661872C1
BATTERY ECM NEGATIVE (9260) (LOCATED AT LEFT SIDE OF ENGINE)						BATTERY ECM POSITIVE (9261) (LOCATED AT LEFT SIDE OF ENGINE)					
											
CONNECTOR 1667732C1 #1667733C1 BODY LOCK 1667734C1						CONNECTOR 1667733C1 #1667732C1 BODY LOCK 1667734C1					
* MUTUALLY EXCLUSIVE											
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE	CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	PLUG	-	-	1675751C1	-	A	K97AA	10	RD	2025425C1	1667735C1
B	K92-G	10	GY	2025425C1	1667735C1	B	K92B110	10	PK	2025425C1	1667735C1
C	K92-GP	10	WH	1667737C1	1667735C1	C	PLUG	-	-	1675451C1	-
CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME					
0638	09FEB15	REVISED AND REDRAWN.	B	92855Z	U00KDD2	CIRCUIT DIAGRAM, TERRASTAR					
					RELEASE NO.	DATE	PART NO.	SHEET			
					80257V	19JUL11	AE08068784	055			

Figure 224 Connector Body Composites (9100 / 9101 / 9101A / 9102 / 9260 / 9261)



13.72. CONNECTOR BODY COMPOSITES (9511A / 9521 / 9522 / 9530), P. 56

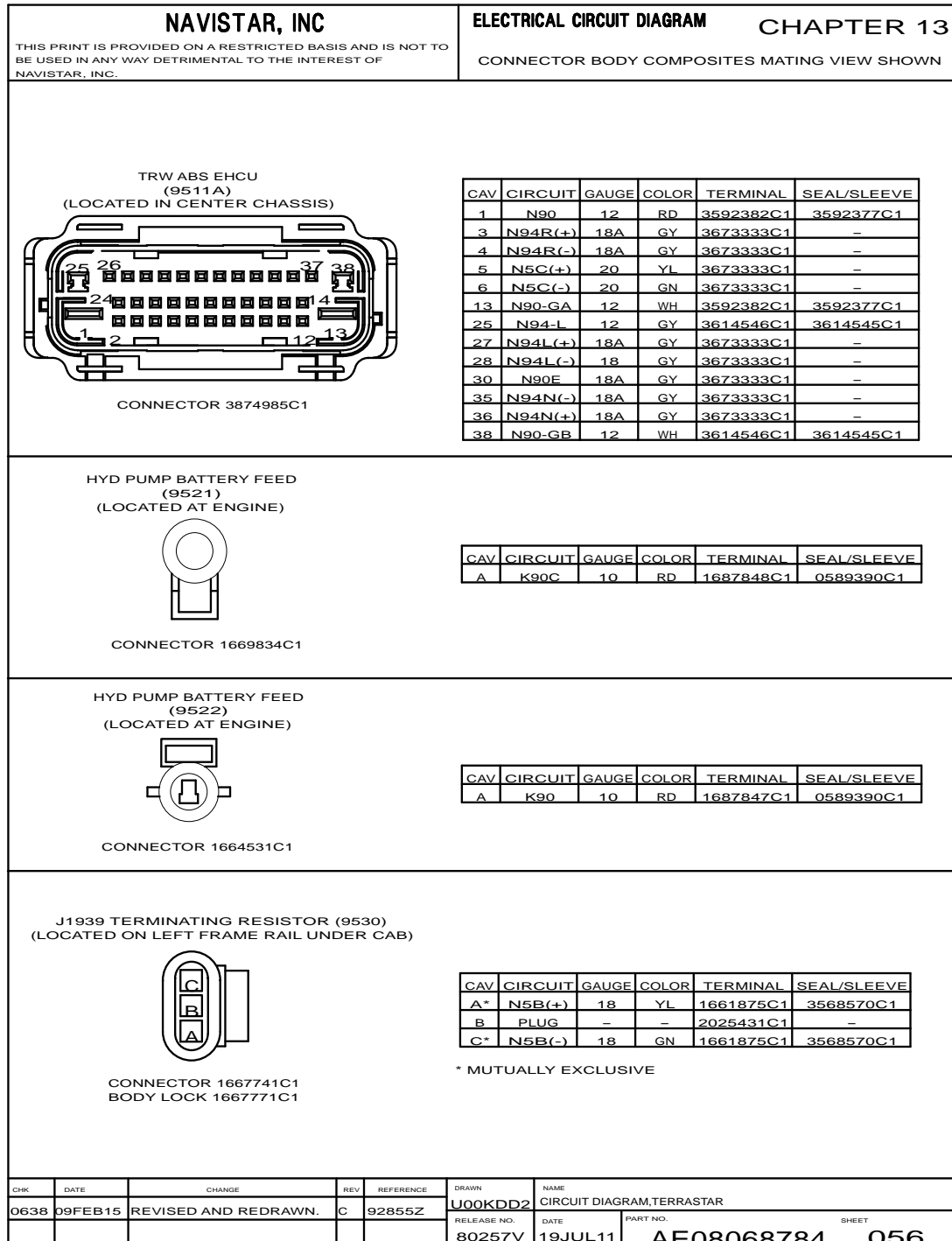


Figure 225 Connector Body Composites (9511A / 9521 / 9522 / 9530)

13.73. CONNECTOR BODY COMPOSITES (9715 / 9715F / 9716 / 9716M / 9717), P. 57

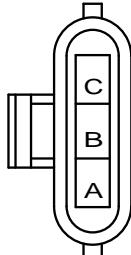
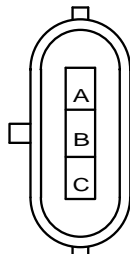
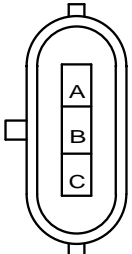
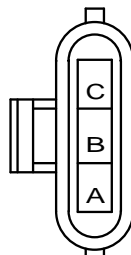
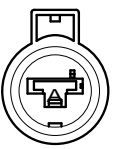
<b>NAVISTAR, INC</b> <small>THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF NAVISTAR, INC.</small>				ELECTRICAL CIRCUIT DIAGRAM <b>CHAPTER 13</b> CONNECTOR BODY COMPOSITES MATING VIEW SHOWN																																													
<b>TRAILER SOCKET #1 (9715)</b> (LOCATED ON LEFT FRAME RAIL BEHIND CAB)				<b>TRAILER SOCKET #1 (9715F)</b> (LOCATED ON LEFT FRAME RAIL BEHIND CAB)																																													
																																																	
CONNECTOR 1667733C1 BODY LOCK 1667734C1				CONNECTOR 1667732C1 BODY LOCK 1667734C1																																													
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE	CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE																																						
A	N70T	10	RD	1667737C1	1667735C1	A*	R70A	10	RD	2025425C1	1667735C1																																						
B	N68T	10	BN	1667737C1	1667735C1	A#	R70	10	RD	2025425C1	1667735C1																																						
C	N94T	10	GY	1667737C1	1667735C1	B*	R68A	10	BN	2025425C1	1667735C1																																						
						B#	R68	10	BN	2025425C1	1667735C1																																						
						C*	R94A	10	DKBL	2025425C1	1667735C1																																						
						C#	R94	10	GY	2025425C1	1667735C1																																						
<b>TRAILER SOCKET #2 (9716)</b> (LOCATED ON LEFT FRAME RAIL BEHIND CAB)				<b>TRAILER SOCKET #2 (9716M)</b> (LOCATED ON LEFT FRAME RAIL BEHIND CAB)																																													
																																																	
CONNECTOR 1667732C1 BODY LOCK 1667734C1				CONNECTOR 1667733C1 BODY LOCK 1667734C1																																													
CAV	CIRCUIT	GA	COLOR	TERMINAL	SEAL/SLV																																												
A	N54T	10	BN	2025425C1	1667735C1																																												
B	N56T	10	YL	2025425C1	1667735C1																																												
C	N57T	10	LTGN	2025425C1	1667735C1																																												
<b>TRAILER GROUND 2 (9717)</b>				<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width: 15%;">CAV</td><td style="width: 15%;">CIRCUIT</td><td style="width: 10%;">GAUGE</td><td style="width: 10%;">COLOR</td><td style="width: 15%;">TERMINAL</td><td style="width: 15%;">SEAL/SLEEVE</td> </tr> <tr> <td>A*</td><td>R58A</td><td>10</td><td>BK</td><td>1667737C1</td><td>1667735C1</td> </tr> <tr> <td>A#</td><td>R58</td><td>10</td><td>BN</td><td>1667737C1</td><td>1667735C1</td> </tr> <tr> <td>B*</td><td>R56A</td><td>10</td><td>YL</td><td>1667737C1</td><td>1667735C1</td> </tr> <tr> <td>B#</td><td>R56</td><td>10</td><td>YL</td><td>1667737C1</td><td>1667735C1</td> </tr> <tr> <td>C*</td><td>R57A</td><td>10</td><td>LTGN</td><td>1667737C1</td><td>1667735C1</td> </tr> <tr> <td>C#</td><td>R57</td><td>10</td><td>LTGN</td><td>1667737C1</td><td>1667735C1</td> </tr> </table>				CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE	A*	R58A	10	BK	1667737C1	1667735C1	A#	R58	10	BN	1667737C1	1667735C1	B*	R56A	10	YL	1667737C1	1667735C1	B#	R56	10	YL	1667737C1	1667735C1	C*	R57A	10	LTGN	1667737C1	1667735C1	C#	R57	10	LTGN	1667737C1	1667735C1
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE																																												
A*	R58A	10	BK	1667737C1	1667735C1																																												
A#	R58	10	BN	1667737C1	1667735C1																																												
B*	R56A	10	YL	1667737C1	1667735C1																																												
B#	R56	10	YL	1667737C1	1667735C1																																												
C*	R57A	10	LTGN	1667737C1	1667735C1																																												
C#	R57	10	LTGN	1667737C1	1667735C1																																												
				* W/ TRAILER SOCKET # W/ BODY BUILDER & TRAILER SOCKET																																													
CONNECTOR 3700151C1				* W/ TRAILER SOCKET # W/ BODY BUILDER & TRAILER SOCKET																																													
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE																																												
A	N10D	8	WH	3700154C1	3537135C1																																												
CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME																																											
012	06JUN13	REVISED AND UPDATED.	B	88356Y	U00KDD2	CIRCUIT DIAGRAM, TERRASTAR																																											
					RELEASE NO.	DATE	PART NO.	SHEET																																									
					80257V	19JUL11	AE08068784	057																																									

Figure 226 Connector Body Composites (9715 / 9715F / 9716 / 9716M / 9717)

13.74. CONNECTOR BODY COMPOSITES (9717 / 9717F / 9736 / 9737 / 9740), P. 58

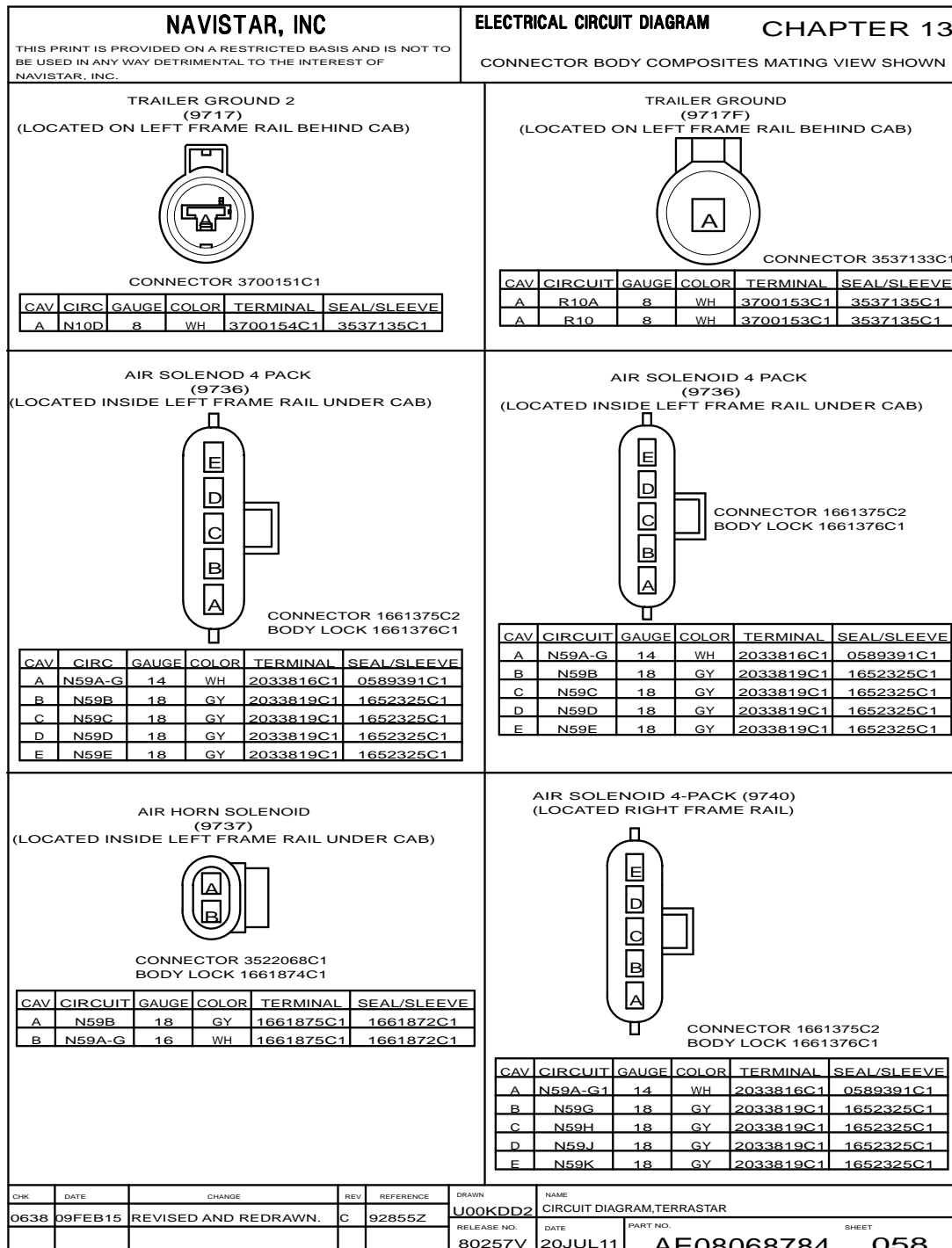


Figure 227 Connector Body Composites (9717 / 9717F / 9736 / 9737 / 9740)

13.75. CONNECTOR BODY COMPOSITES (9778 / 9778F / 9779F / 9780M), P. 58A

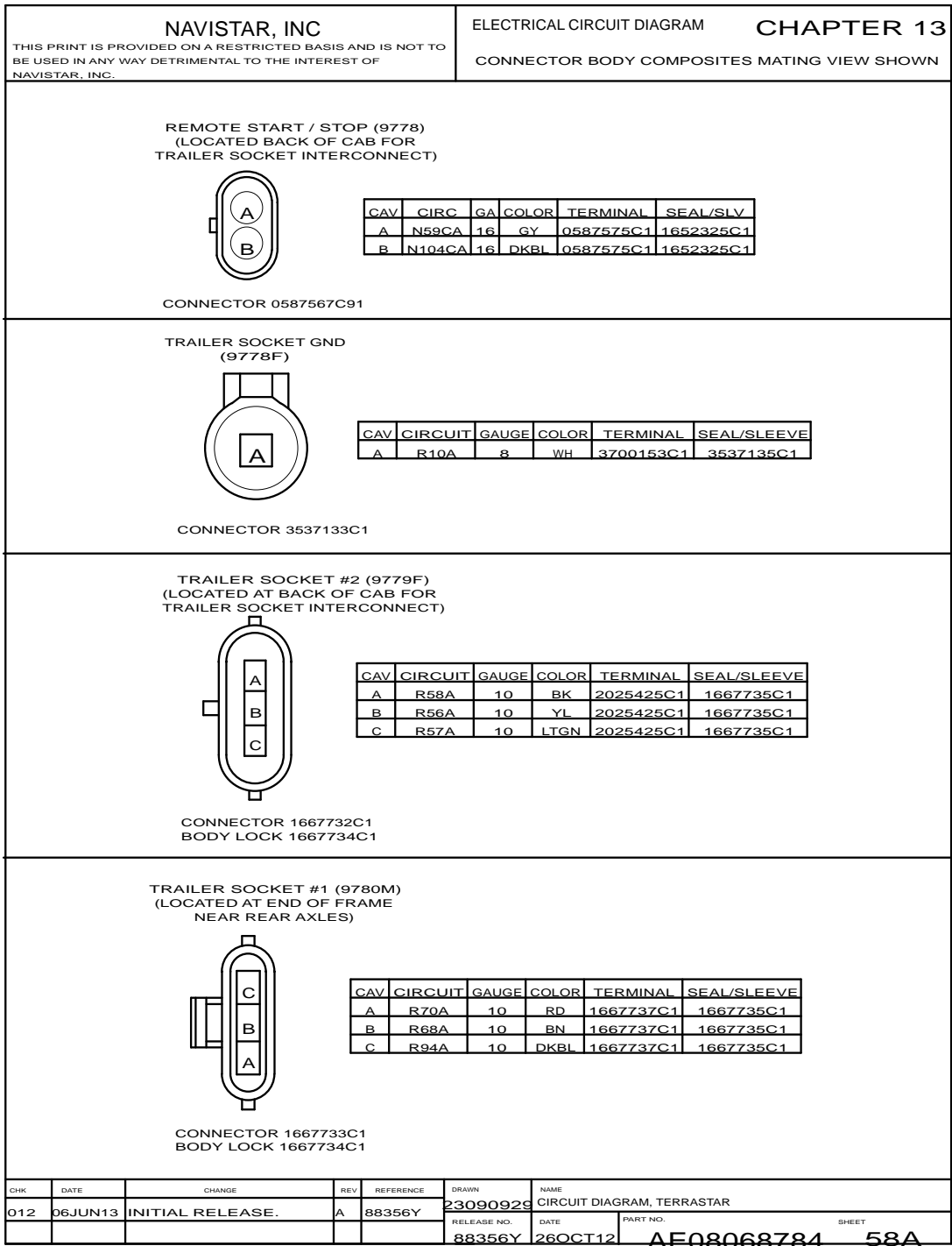


Figure 228 Connector Body Composites (9778 / 9778F / 9779F / 9780M)

13.76. CONNECTOR BODY COMPOSITES (9745 / 9746 / 9800), P. 59

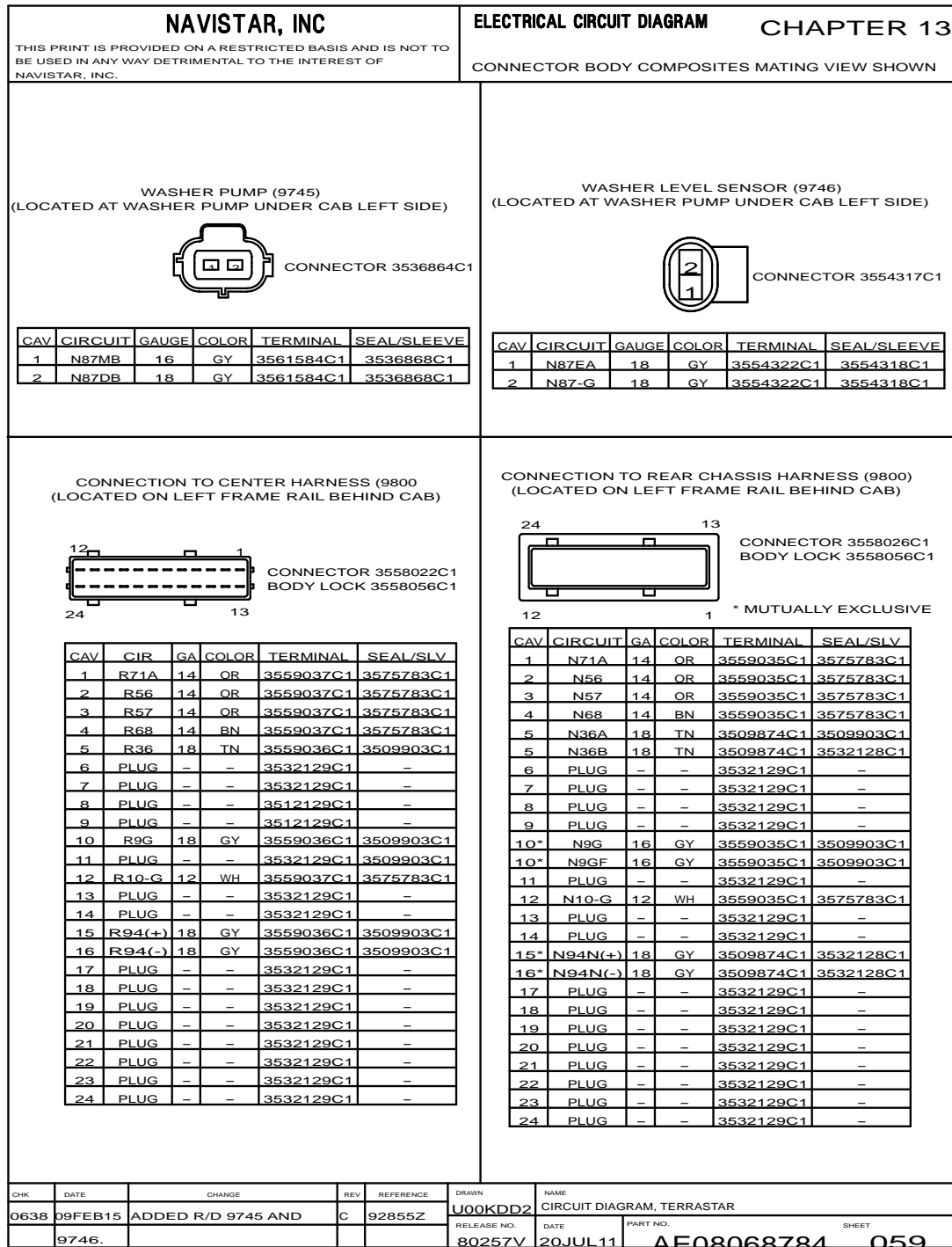


Figure 229 Connector Body Composites (9745 / 9746 / 9800)

13.77. CONNECTOR BODY COMPOSITES (9812 / 9900 / 9913B / 9915), P. 60

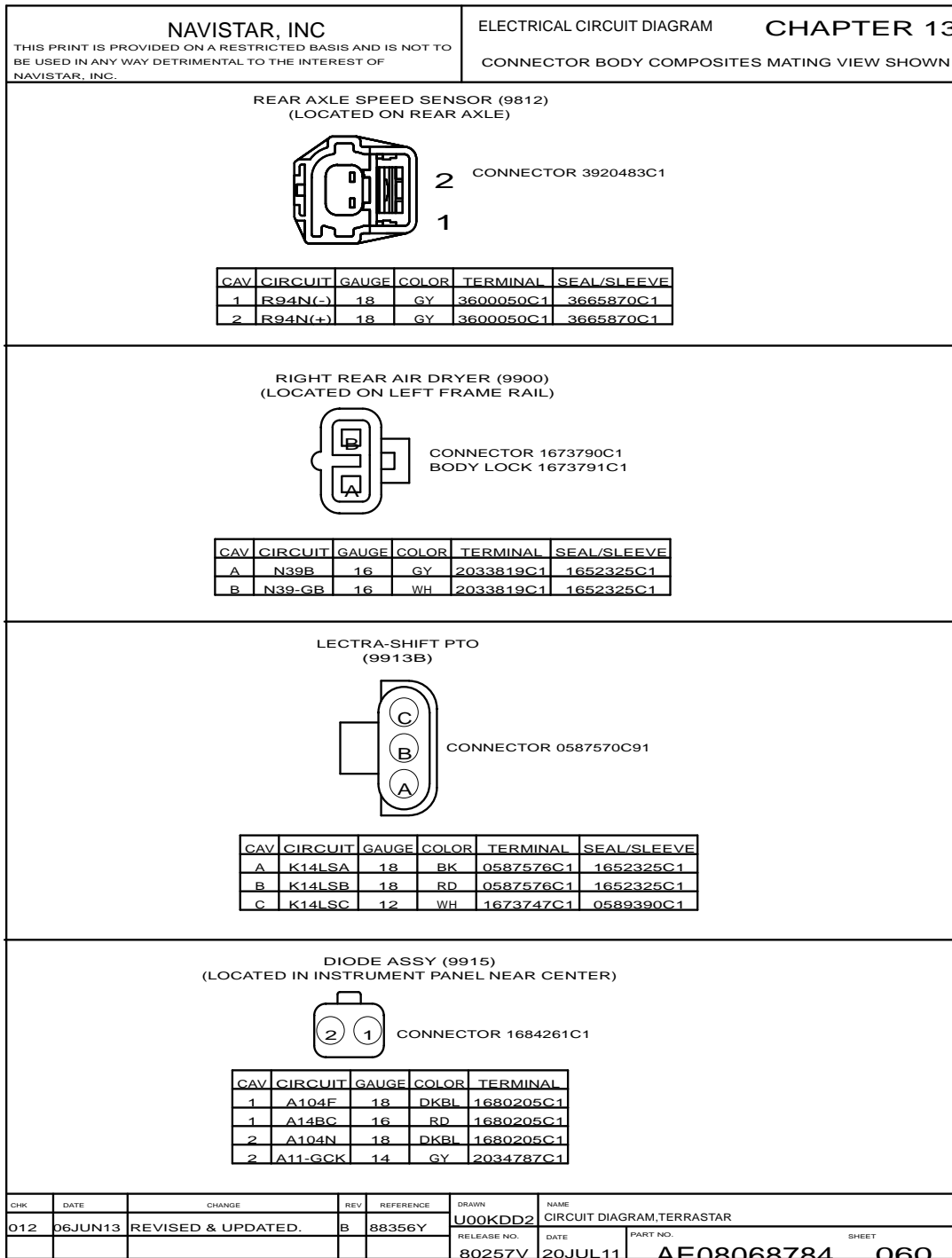


Figure 230 Connector Body Composites (9812 / 9900 / 9913B / 9915)

13.78. CONNECTOR BODY COMPOSITES (9916 / 9930 / 9994), P. 60A

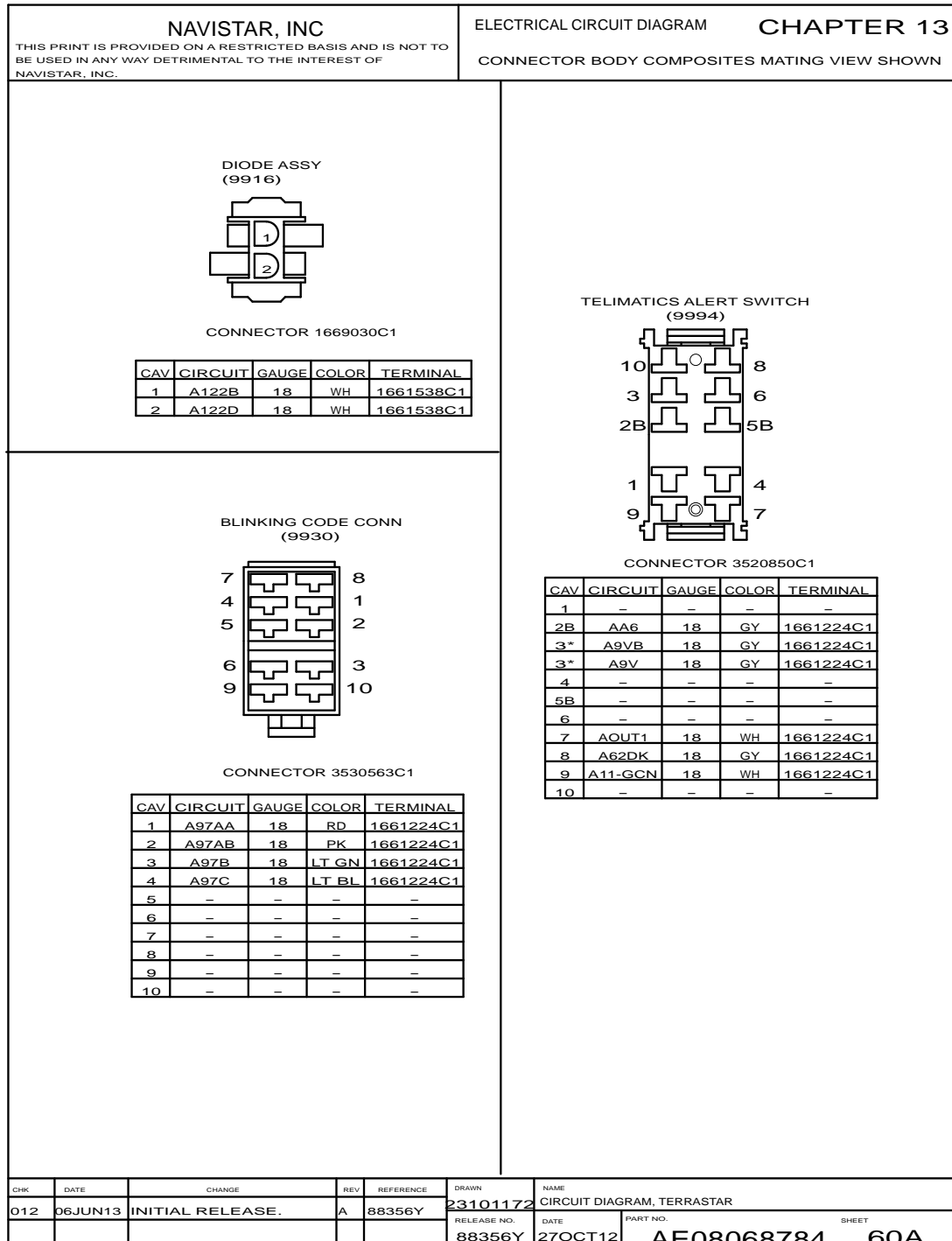


Figure 231 Connector Body Composites (9916 / 9930 / 9994)