
Electrical Circuit Diagrams

PayStar® 5900

Engine Family: MaxxForce® 11/13, 15L, N13 or ISX15 Engines with SCR

Navistar, Inc.

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INSTRUCTIONS AND CHARTS (CHAPTER 2)

2.1. ABBREVIATIONS, P. 1

NAVISTAR, INC				ELECTRICAL CIRCUIT DIAGRAM CHAPTER 2	
THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF NAVISTAR, INC.				ABBREVIATIONS	
ABBREVIATION	DESCRIPTION	ABBREVIATION	DESCRIPTION	ABBREVIATION	DESCRIPTION
ACCESS	ACCESSORY	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
AC	ALTERNATING CURRENT	DEG	DEGREE	RES	RESISTOR
AFTR	AFTERTREATMENT	DIAG	DIAGRAM	R	RIGHT
AMM	AMMETER	DSL	DIESEL	RTR	ROTOR
AMP	AMPERE	DIFF	DIFFERENTIAL	SNSR	SENSOR
AMP HR	AMPERE HOUR	DIMR	DIMMER	SHLD	SHIELD
AMPL	AMPLIFIER	ELEC	ELECTRICAL	SHFT	SHIFTER
ARM	ARMATURE	ELEX	ELECTRONICS	SLPR	SLEEPER
ARSR	ARRESTER	ENG	ENGINE	SLV	SLEEVE
ASSY	ASSEMBLY	EXH	EXHAUST	SPKR	SPEAKER
AUX	AUXILIARY	FL	FLUID	SPR	SPRING
B/U	BACK-UP	FWD	FORWARD	STD	STANDARD
BTRY	BATTERY	FR	FRONT	STRG	STEERING
BM	BENCHMARKING	FREQ	FREQUENCY	STLITE	SATELLITE
BLK	BLOCK	GA	GAUGE	SUNSH	SUNSHADE
BOOS	BOOSTER	GEN	GENERATOR	SW	SWITCH
BOT	BOTTOM	GND	GROUND	SYS	SYSTEM
BK	BRAKE	HARN	HARNES	TACH	TACHOMETER
BRKR	BREAKER	HDLP	HEADLAMP	TEMP	TEMPERATURE
BRTHR	BREATH	HTD	HEATED	TERM	TERMINAL
BRJ	BRIGHT	HT TR	HEAT TREAT	THROT	THROTTLE
BUZ	BUZZER	HTR	HEATER	THRU	THROUGH
CA	CABLE	HP	HORSEPOWER	TRLR	TRAILER
CD	CANDELA	HYD	HYDRAULIC	XDCR	TRANSDUCER
CP	CANDLEPOWER	ID	IDENTIFICATION	XFER	TRANSFER
CAP	CAPACITOR	IGN	IGNITION	XFMR	TRANSFORMER
CAT	CATERPILLAR	ILLUM	ILLUMINATION	XSTR	TRANSISTOR
CHAS	CHASSIS	IND	INDICATOR	XMSN	TRANSMISSION
CH	CHOKE	INST	INSTRUMENT	XMTR	TRANSMITTER
CIRC	CIRCUIT	INT	INTERMITTENT	TRK	TRUCK
CLK	CLOCK	L	LEFT	UPR	UPPER
CW	CLOCKWISE	LT	LIGHT	VLV	VALVE
CLSTR	CLUSTER	LTR	LIGHTER	VERT	VERTICAL
CL	CLUTCH	LWR	LOWER	VM	VOLTMETER
COL	COLUMN	MAG	MAGNET	VOL	VOLUME
COMM	COMMUTATOR	MOD	MODULATOR	WSHR	WASHER
CMPNT	COMPONENT	MDL	MODULE	WHL	WHEEL
CPRSR	COMPRESSOR	MOT	MOTOR	WDO	WINDOW
CONN	CONNECT	MTD	MOUNTED	WSHLD	WINDSHIELD
CONT	CONTINUED	NEG	NEGATIVE	WPR	WIPER
CSL	CONSOLE	N/	NOT WITH	W/	WITH
CONT	CONTACT	NO.	NUMBER	W/O	WITHOUT
CONT	CONTROL	PASS	PASSENGER		
CONV	CONVERTER	POSN	POSITION		
CLR	COOLER	POS	POSITIVE		
CTSY	COURTESY	POT	POTENTIOMETER		
CRUS	CRUISE	PWR	POWER		

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME	
DLV1	11JAN11	INITIAL RELEASE.	A	61879Y	300011	CIRCUIT DIAGRAM, PAYSTAR	
					RELEASE NO.	DATE	PART NO.
					61879Y	12MAY09	AE08058081
							SHEET 001

Figure 1 Abbreviations

ELECTRICAL CIRCUIT DIAGRAM MANUAL

2.2. ACRONYMS, P. 2

<p>NAVISTAR, INC</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>ELECTRICAL CIRCUIT DIAGRAM</p> <p>CHAPTER 2</p> <p>ACRONYMS</p>																																																																																																																																					
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Figure 2 Acronyms

2.3. CIRCUIT DIAGRAM INSTRUCTIONS, P. 3

NAVISTAR, INC

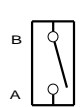
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ELECTRICAL CIRCUIT DIAGRAM

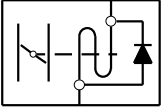
CHAPTER 2

CIRCUIT DIAGRAM INSTRUCTIONS

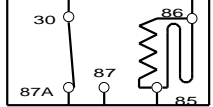
A - SWITCH AND RELAY POSITIONS AS SHOWN ON CIRCUIT DIAGRAMS INDICATE NORMAL POSITION WITH IGNITION OFF UNLESS OTHERWISE NOTED.



SWITCH, MECHANICAL

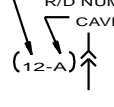


SOLENOID

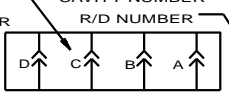


RELAY - SUPPRESSED

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)



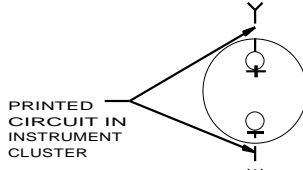
R/D NUMBER
CAVITY NUMBER
R/D NUMBER
(12)

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




(12)

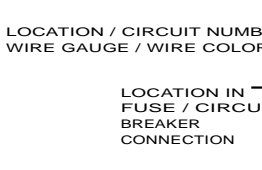
C - PHANTOM LINES INDICATE PRINTED CIRCUITS OR BUSSED CIRCUITS. THESE CIRCUITS EXIST IN THE INSTRUMENT CLUSTER AND FUSE / CIRCUIT BREAKER CONNECTORS.



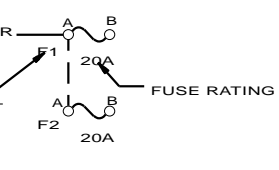
PRINTED CIRCUIT IN INSTRUMENT CLUSTER



VOLTMETER




LOCATION / CIRCUIT NUMBER
WIRE GAUGE / WIRE COLOR



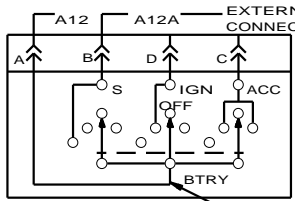
LOCATION IN FUSE / CIRCUIT BREAKER CONNECTION

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

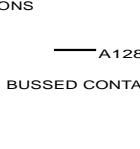


SPLICE

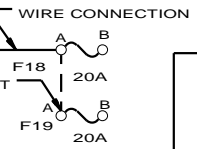
E - SWITCHES, RELAYS AND COMPONENTS INDICATE EXTERNAL WIRE CONNECTIONS AND / OR INTERNAL CONNECTIONS.



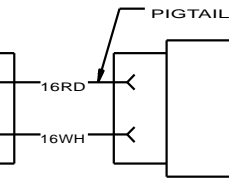
KEY SWITCH (1101M)



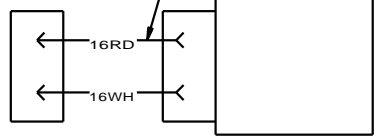
BUSSED CONTACT



WIRE CONNECTION




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

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
					300011	CIRCUIT DIAGRAM, PAYSTAR
0486	29DEC11	REVISED SECTION B.	B	80616P	RELEASE NO.	DATE
					61879Y	12MAY09
					PART NO.	SHEET
					AE08058081	003

Figure 3 Circuit Diagram Instructions

2.4. CIRCUIT NUMBER IDENTIFICATION AND COLOR, P. 4

NAVISTAR, INC		ELECTRICAL CIRCUIT DIAGRAM CHAPTER 2	
THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF NAVISTAR, INC.		CIRCUIT NUMBER IDENTIFICATION AND COLOR	
CIRCUIT NUMBER	COLOR	DESCRIPTION	
1	LTBL	ALTERNATOR - FIELD	
2	RD	ALTERNATOR - CHARGE	
3	DKBL	SERIAL / DATA COMMUNICATION J1587 / J1708 (+)	
	GY	SERIAL / DATA COMMUNICATION J1587 / J1708 (-)	
4	DKBL	SERIAL / DATA COMMUNICATION J1922 (+)	
	GY	SERIAL / DATA COMMUNICATION J1922 (-)	
5	YL	SERIAL / DATA COMMUNICATION J1939/11 / J1939/15 (+)	
	GN	SERIAL / DATA COMMUNICATION J1939/11 / J1939/15 (-)	
6	GY	LOW VOLTAGE ELECTRONIC FEED (LESS THAN 9 VOLTS)	
7	RD	ALTERNATOR - RESISTANCE	
8			
9	GY	LOW VOLTAGE ELECTRONIC GROUND	
10	WH	CHASSIS / ENGINE GROUND	
11	WH	CAB / SLEEPER GROUND	
12	LTBL	ACCESSORY FEED	
13	PK	IGNITION FEED	
	BK	IGNITION FEED (BODY BUILDER CONNECTOR)	
14	RD	BATTERY FEED	
15	RD	KEY SWITCH FEED	
16			
17	PK	STARTER CONTROL	
18	PK	GLOW PLUG / PREHEATER	
19	GY	ENGINE SHUTDOWN	
20	LTGN	REMOTE POWER MODULE	
21	TN	COLD START CONTROLS (ETHER)	
22	TN	TIRE PRESSURE MONITORING / CONTROL	
23	TN	ENGINE FAN / SHUTTERS	
24	GY	ENGINE EXHAUST BRAKE	
25	TN	PYROMETER	
26	TN	AMMETER	
27	TN	VOLTMETER	
28	TN	INSTRUMENTS AND GAUGES	
29	TN	ENGINE WATER TEMPERATURE	
30	TN	ENGINE OIL TEMPERATURE	
31	TN	TRANSMISSION OIL TEMPERATURE	
32	TN	AXLE OIL TEMPERATURE	
33	TN	ENGINE OIL LEVEL	
34	TN	COOLANT LEVEL	
35	TN	ENGINE OIL PRESSURE	
36	TN	FUEL LEVEL	
37	TN	FUEL PUMP	
38	GY	LIFT AXLE	
39	GY	AIR DRYER HEATER	
40	GY	LOW AIR PRESSURE WARNING	

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
DLV1	11JAN11	INITIAL RELEASE.	A	61879Y	300011	CIRCUIT DIAGRAM, PAYSTAR
					RELEASE NO.	DATE
					61879Y	12MAY09
					PART NO.	SHEET
					AE08058081	004

Figure 4 Circuit Number Identification and Color

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

NAVISTAR, INC				ELECTRICAL CIRCUIT DIAGRAM 2			
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 LIGHT					
67	GY	OBSTACLE AVOIDANCE / REMOTE SENSOR					
68	BN	TAIL LIGHTS					
69	BN	LICENSE PLATE LIGHT					
	OR	STOP LIGHTS					
70	RD	STOP LIGHTS (BODY BUILDER CONNECTION)					
	OR	BACKUP - LIGHTS					
71	LTBL	BACKUP - LIGHTS (BODY BUILDER CONNECTION)					
	OR	TRAILER AUXILIARY FEED - BATTERY					
72	OR	TRAILER AUXILIARY FEED - BATTERY					
73	LTGN	PWM					
74	LTGN	HEATER RECIRC MOTOR					
75	LTGN	HEATER BLOWER MOTOR					
76	LTGN	AUXILIARY FAN					
77	LTGN	AIR CONDITIONER					
78	LTGN	MIRRORS - HEATED, MOTORIZED					
79	GY	SEAT BELTS					
80	BK	SLEEPER BOX RELAY - FEED					

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME		
DLV1	11JAN11	INITIAL RELEASE.	A	61879Y	300011	CIRCUIT DIAGRAM, PAYSTAR		
					RELEASE NO.	DATE	PART NO.	SHEET
					61879Y	12MAY09	AE08058081	005

Figure 5 Circuit Number Identification and Color (Cont.)

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

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					
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	INSTRUMENT CLUSTER ELECTRONIC FEED (5V)					
108	GY	BRAKE PAD WEAR SENSOR					
109	GY	BRAKE STROKE / SLACK ADJUSTER					
110	GY	INSTRUMENT CLUSTER ELECTRONIC GROUND					
111	TN	FUEL FILTER RESTRICTION TRANSDUCER					
112	GY	LIFT GATE					

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

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
DLV1	11JAN11	INITIAL RELEASE.	A	61879Y	300011	CIRCUIT DIAGRAM, PAYSTAR
					RELEASE NO.	DATE
					61879Y	12MAY09
					PART NO.	SHEET
					AE08058081	006

Figure 6 Circuit Number Identification and Color (Cont.)

2.7. LAMP BULB CHART, 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 2			
				LAMP BULB CHART			
BULB APPLICATION				CANDLE POWER OR WATT		BULB TRADE NUMBER	
BACK-UP LIGHT				32 CP			GE1156
CLEARANCE & IDENTIFICATION				3 CP			GE168
COURTESY LIGHT				21 CP			1142
DOVE LIGHTS				21 CP			1142
FOG LIGHT				100 WATT			4921-1
LOW BEAMS				55 WATT			GE9007
HIGH BEAMS				65 WATT			GE9007
CIGAR LIGHTER				1 CP			1455
GAUGE BACKLIGHT				2 CP			194
GAUGE WARNING LED (RED)				2 CP			194
COLD AMBIENT PROTECTION LED (RED)				2 CP			194
FUEL FILTER LED (YELLOW)				2 CP			194
WARN ENGINE LED (YELLOW)				2 CP			194
STOP ENGINE LED (RED)				2 CP			194
BRAKE PRESSURE LED				2 CP			194
CHECK TRANSMISSION LED				2 CP			194
TRAILER ABS LED				2 CP			194
LEFT TURN SIGNAL LED (GREEN)				2 CP			194
TRACTION CONTROL LED (GREEN)				2 CP			194
WATER IN FUEL LED (YELLOW)				2 CP			194
PARK FLUID LED (RED)				2 CP			194
CHECK ELECTRICAL SYSTEM LED (YELLOW)				2 CP			194
PARK BRAKE LED (RED)				2 CP			194
CRUISE CONTROL ACTIVE LED (YELLOW)				2 CP			194
ANTILOCK BRAKING SYSTEM LED (YELLOW)				2 CP			194
RIGHT TURN LED (GREEN)				2 CP			194
COOLANT LEVEL LED (RED)				2 CP			194
SEAT BELT LED (RED)				2 CP			194
HIGH BEAM ICON LED (BLUE)				2 CP			194
CHECK AIR CONDITIONER LED (YELLOW)				2 CP			82S272109-4
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				5 WATT			7575
UNDER BUNK LIGHT				21 CP / 2 (12CP)			577 / 211
ACCENT LIGHT				2 (12CP)			211
DOVE LIGHT				15 WATT			F15T8-CW
SLEEPER FLOOR LIGHT				4 CP			W5W
HEATER AND AIR CONDITIONER CONTROL				3 CP			168
LUGGAGE COMPARTMENT LIGHT				6 CP			99
READING LIGHT				15 CP			1003

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME	
DLV1	11JAN11	INITIAL RELEASE.	A	61879Y	300011	CIRCUIT DIAGRAM, PAYSTAR	
					RELEASE NO.	DATE	PART NO.
					61879Y	12MAY09	AE08058081
							SHEET 007

Figure 7 Lamp Bulb Chart

2.8. RELAY FUNCTION AND WIRING GUIDE, P. 8

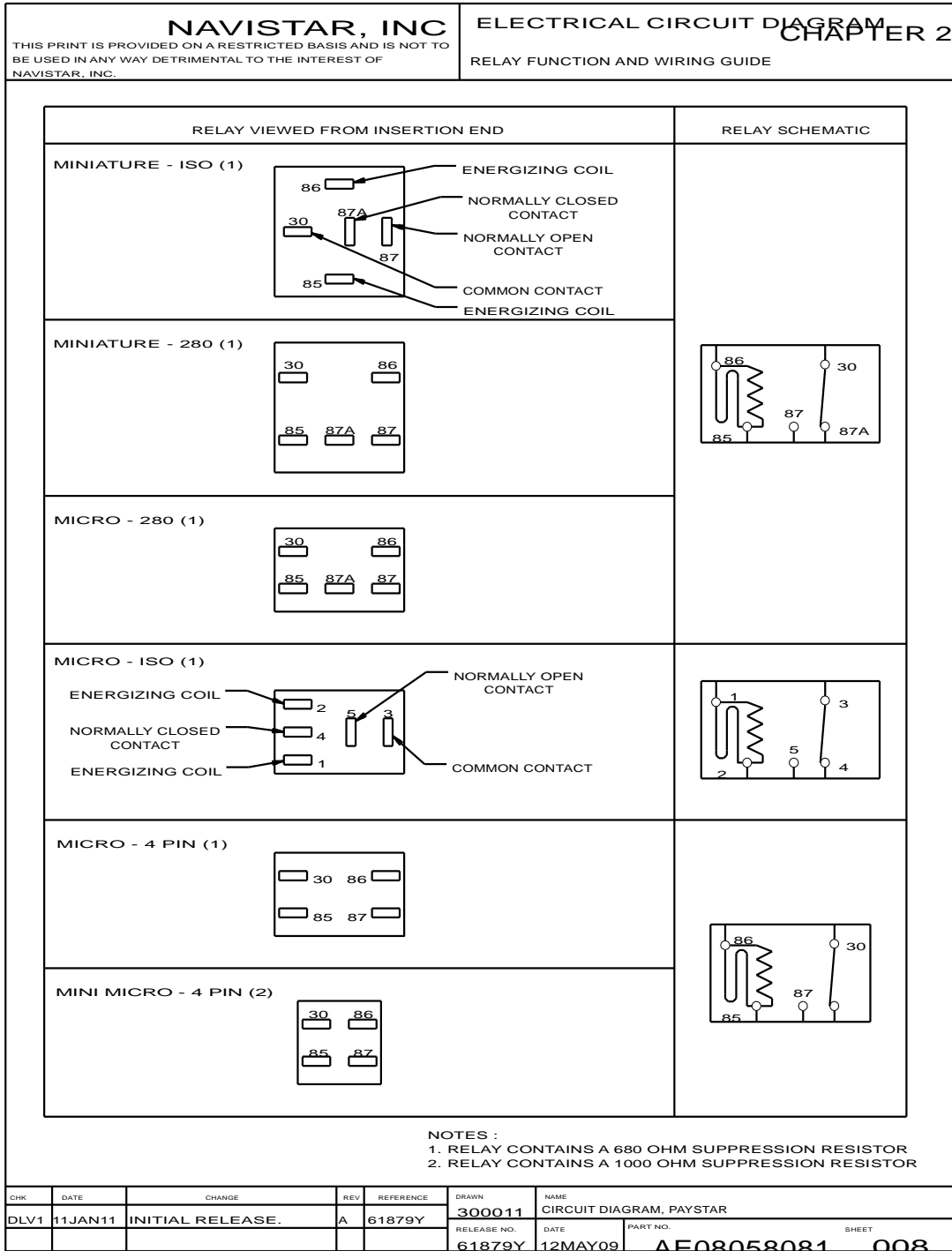


Figure 8 Relay Function and Wiring Guide

2.9. SCHEMATIC SYMBOL CHART, P. 9

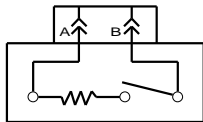
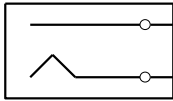
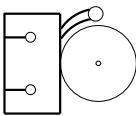

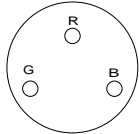

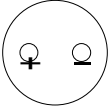

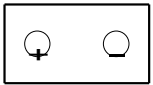
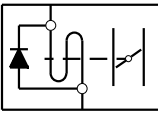




NAVISTAR, INC <small>THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF NAVISTAR, INC.</small>					ELECTRICAL CIRCUIT DIAGRAM CHAPTER 2 SCHEMATIC SYMBOL CHART				
		AIR DRYER					CIGAR LIGHTER		
		ALARM			TYPE 1 TYPE 2 OR 3 		CIRCUIT BREAKER		
		ALTERNATOR					DIODE		
		AMMETER					DIODE, LIGHT EMITTING		
		BATTERY					FAN SOLENOID		
		BLUNT CUT CIRCUIT					FEMALE TERMINAL		
		BUSBAR					FUSE		
CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME			
DLV1	11JAN11	INITIAL RELEASE.	A	61879Y	300011	CIRCUIT DIAGRAM, PAYSTAR			
					RELEASE NO.	DATE	PART NO.	SHEET	
					61879Y	12MAY09	AE08058081	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		
CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME			
DLV1	11JAN11	INITIAL RELEASE.	A	61879Y	300011	CIRCUIT DIAGRAM, PAYSTAR			
					RELEASE NO.	DATE	PART NO.	SHEET	
					61879Y	12MAY09	AE08058081	010	

Figure 10 Schematic Symbol Chart (Cont.)

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

NAVISTAR, INC <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 CHAPTER 2 SCHEMATIC SYMBOL CHART (CONT)			
SYMBOL		DESCRIPTION		SYMBOL		DESCRIPTION	
		MALE TERMINAL				RESISTOR	
		MOTOR				SENDER - FUEL, OIL, TEMP, 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	
DLV1	11JAN11	INITIAL RELEASE.	A	61879Y	300011	CIRCUIT DIAGRAM, PAYSTAR	
					RELEASE NO.	DATE	PART NO. SHEET
					61879Y	12MAY09	AE08058081 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)					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)					THERMISTOR		
CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME			
DLV1	11JAN11	INITIAL RELEASE.	A	61879Y	300011	CIRCUIT DIAGRAM, PAYSTAR			
					RELEASE NO.	DATE	PART NO.	SHEET	
					61879Y	12MAY09	AE08058081	012	

Figure 12 Schematic Symbol Chart (Cont.)

12 VOLT POWER DISTRIBUTION (CHAPTER 3)

3.1. BATTERY FEED WITH ENGINE BRAKE, P. 1

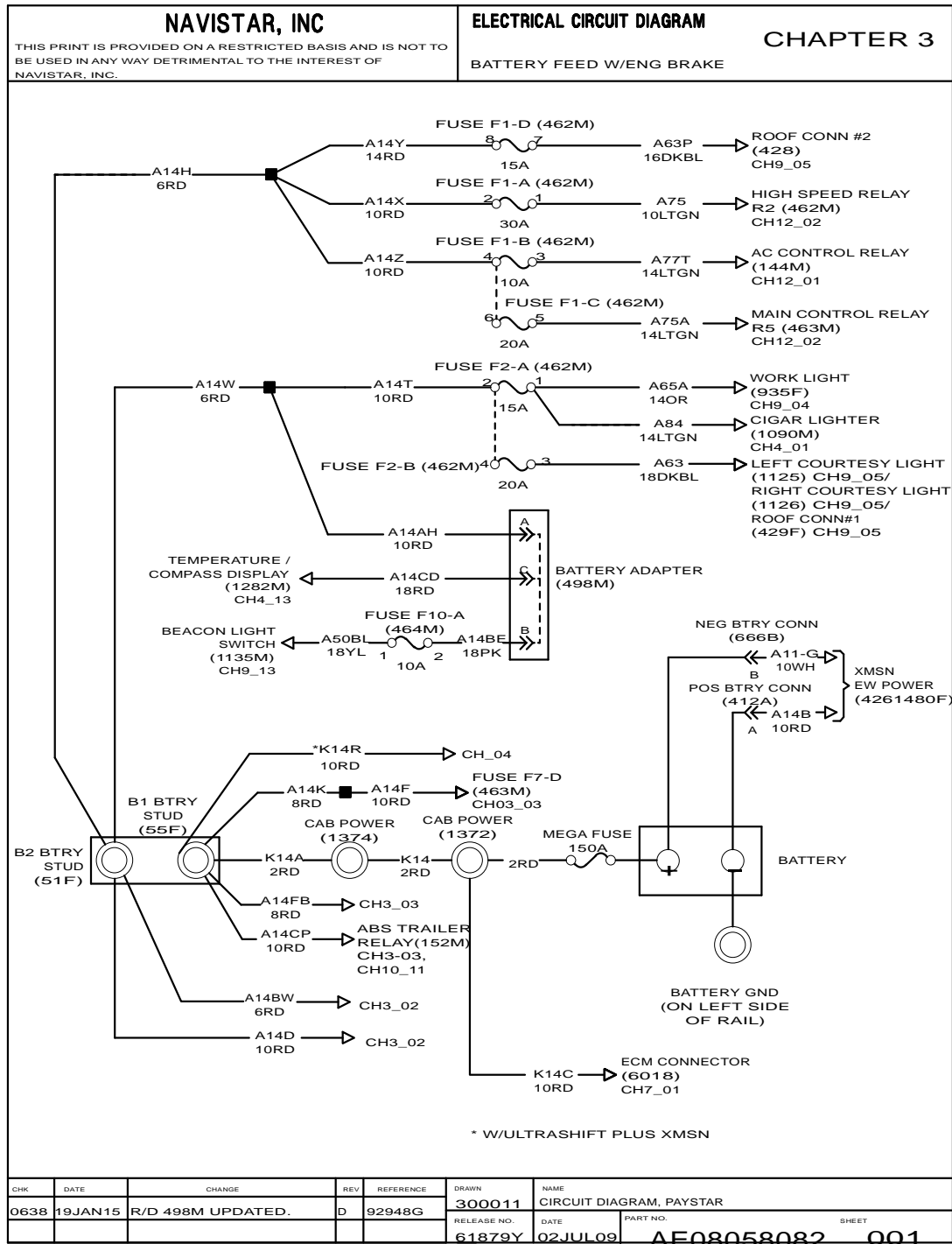


Figure 13 Battery Feed with Engine Brake

3.2. BATTERY FEED WITH ENGINE BRAKE WITH 500K BAUD RATE, P. 1A

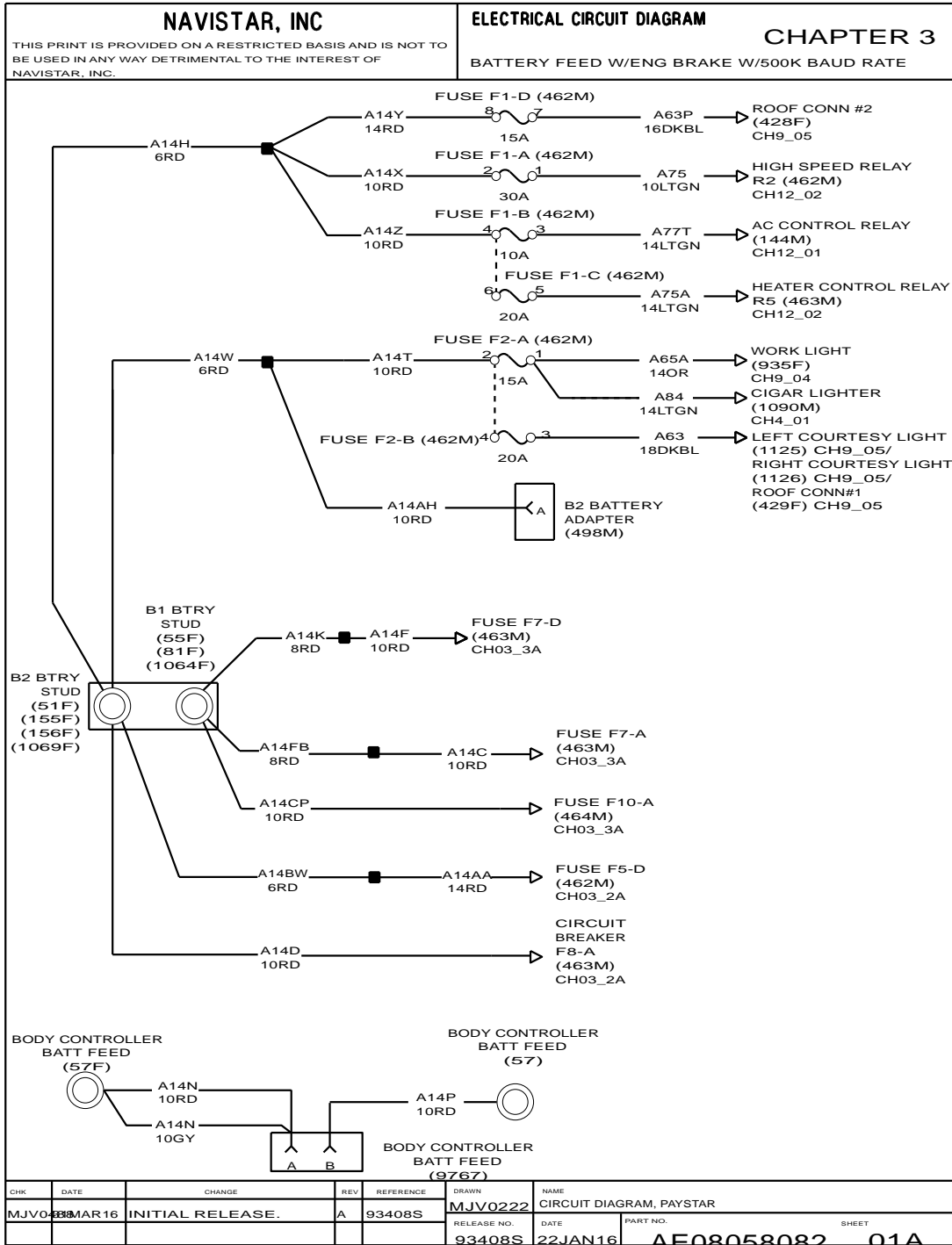


Figure 14 Battery Feed with Engine Brake with 500K Baud Rate

3.3. BATTERY FEED WITH ENGINE BRAKE (CONT.), P. 2

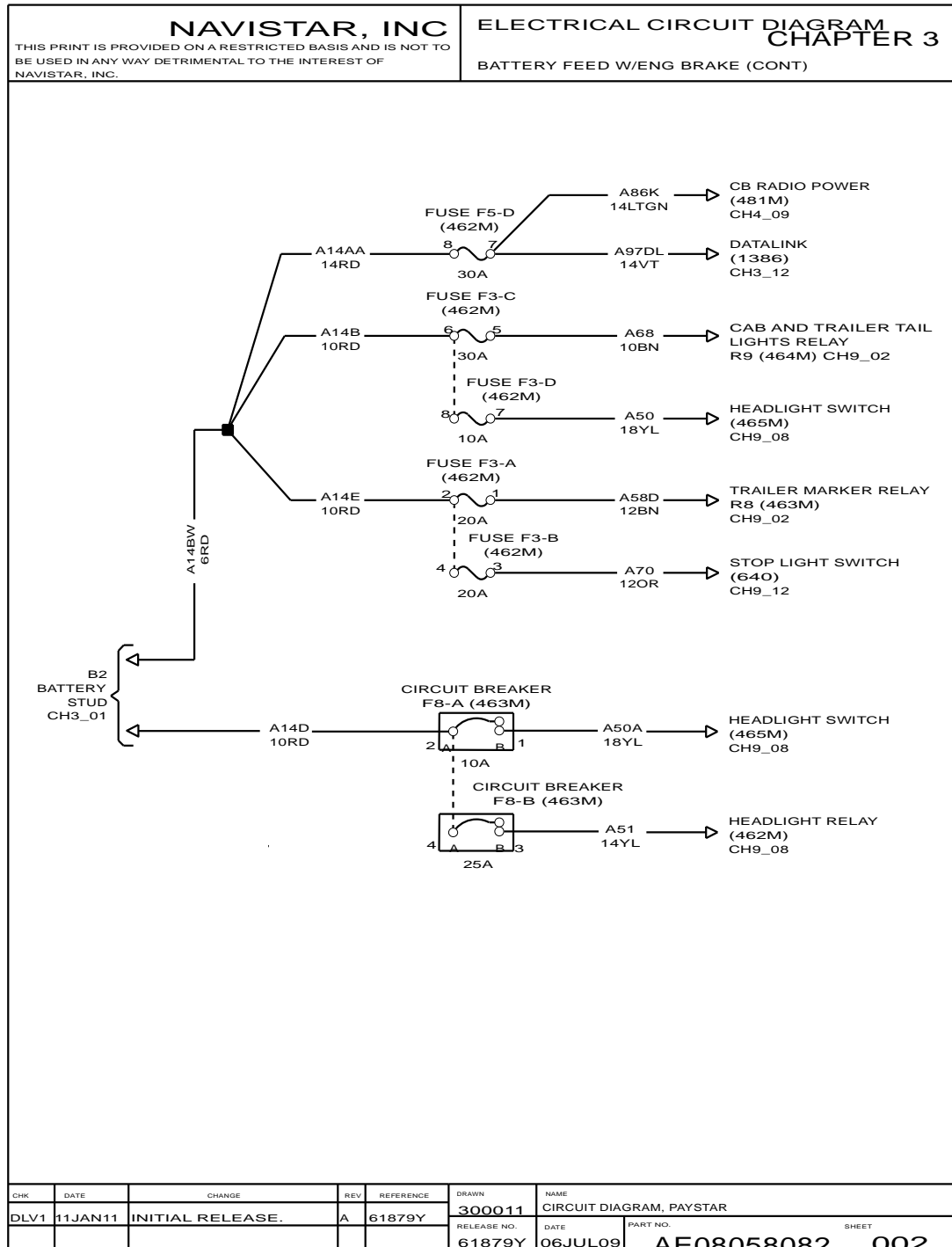


Figure 15 Battery Feed with Engine Brake (Cont.)

3.4. BATTERY FEED WITH ENGINE BRAKE WITH 500K BAUD RATE (CONT.), P. 2A

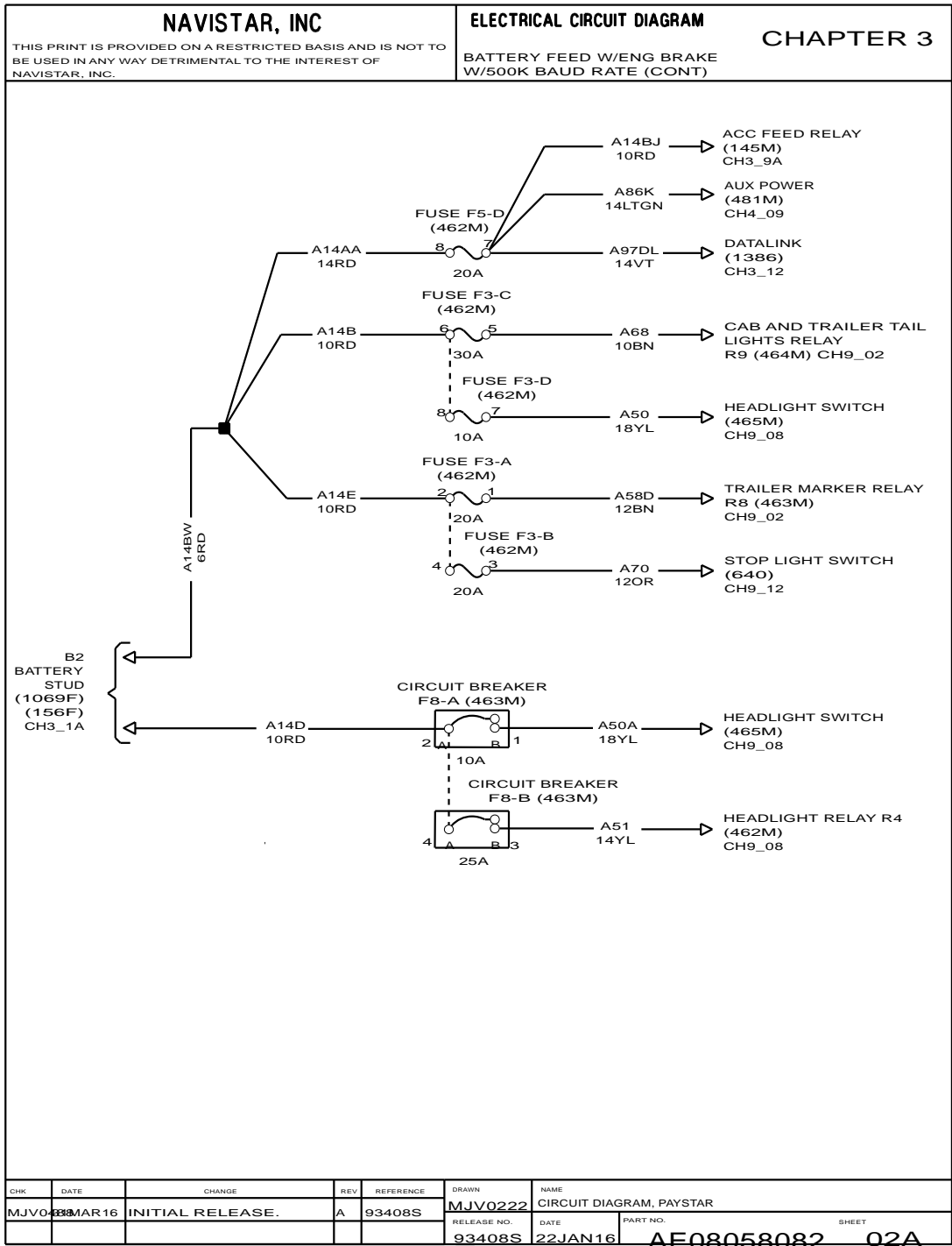


Figure 16 Battery Feed with Engine Brake with 500K Baud Rate (Cont.)

3.5. BATTERY FEED WITH ENGINE BRAKE (CONT.), P. 3

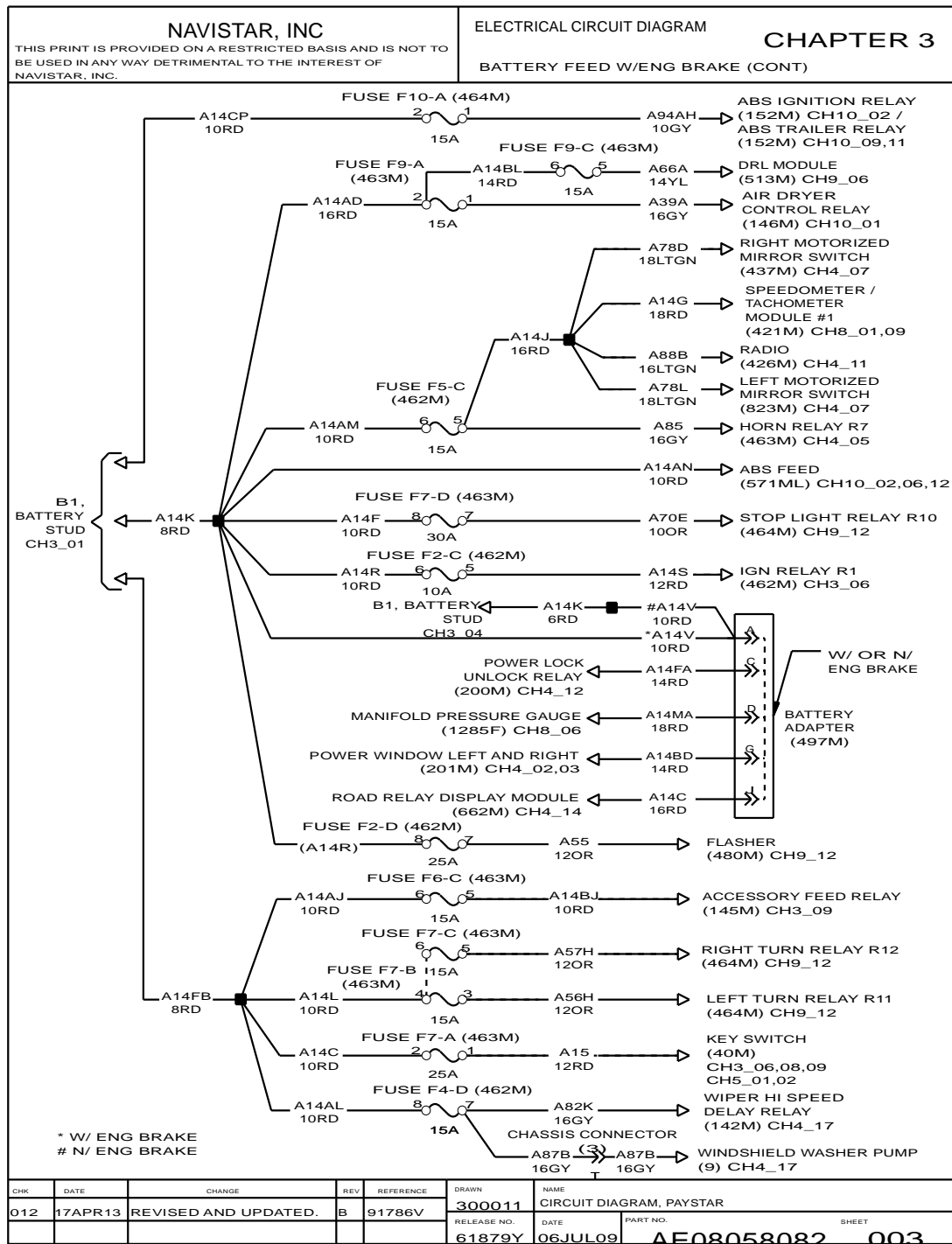


Figure 17 Battery Feed with Engine Brake (Cont.)

3.6. BATTERY FEED WITH ENGINE BRAKE WITH 500K BAUD RATE (CONT.), P. 3A

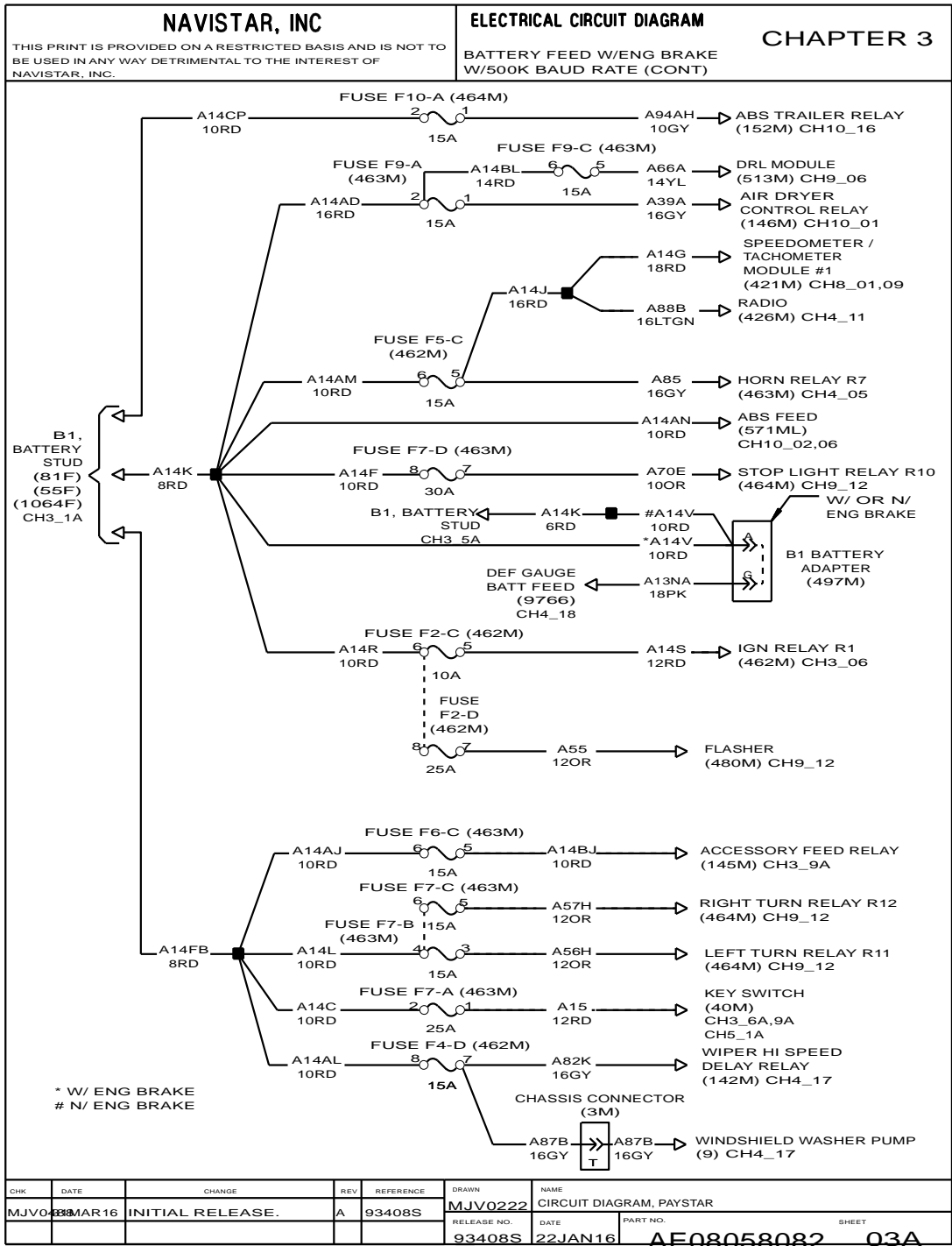


Figure 18 Battery Feed with Engine Brake with 500K Baud Rate (Cont.)

3.7. BATTERY FEED WITHOUT ENGINE BRAKE, P. 4

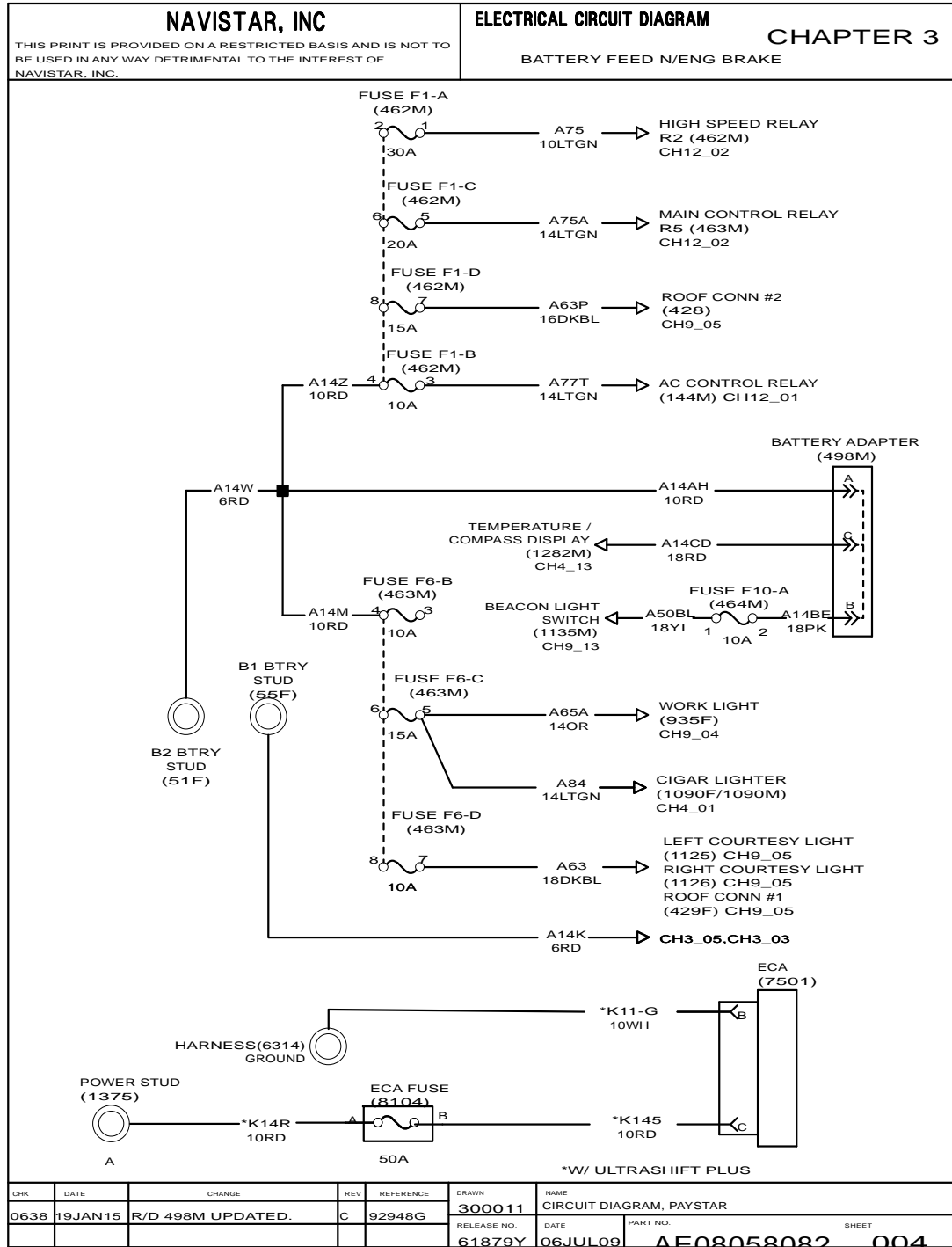


Figure 19 Battery Feed without Engine Brake

3.8. BATTERY FEED WITHOUT ENGINE BRAKE WITH 500K BAUD RATE, P. 4A

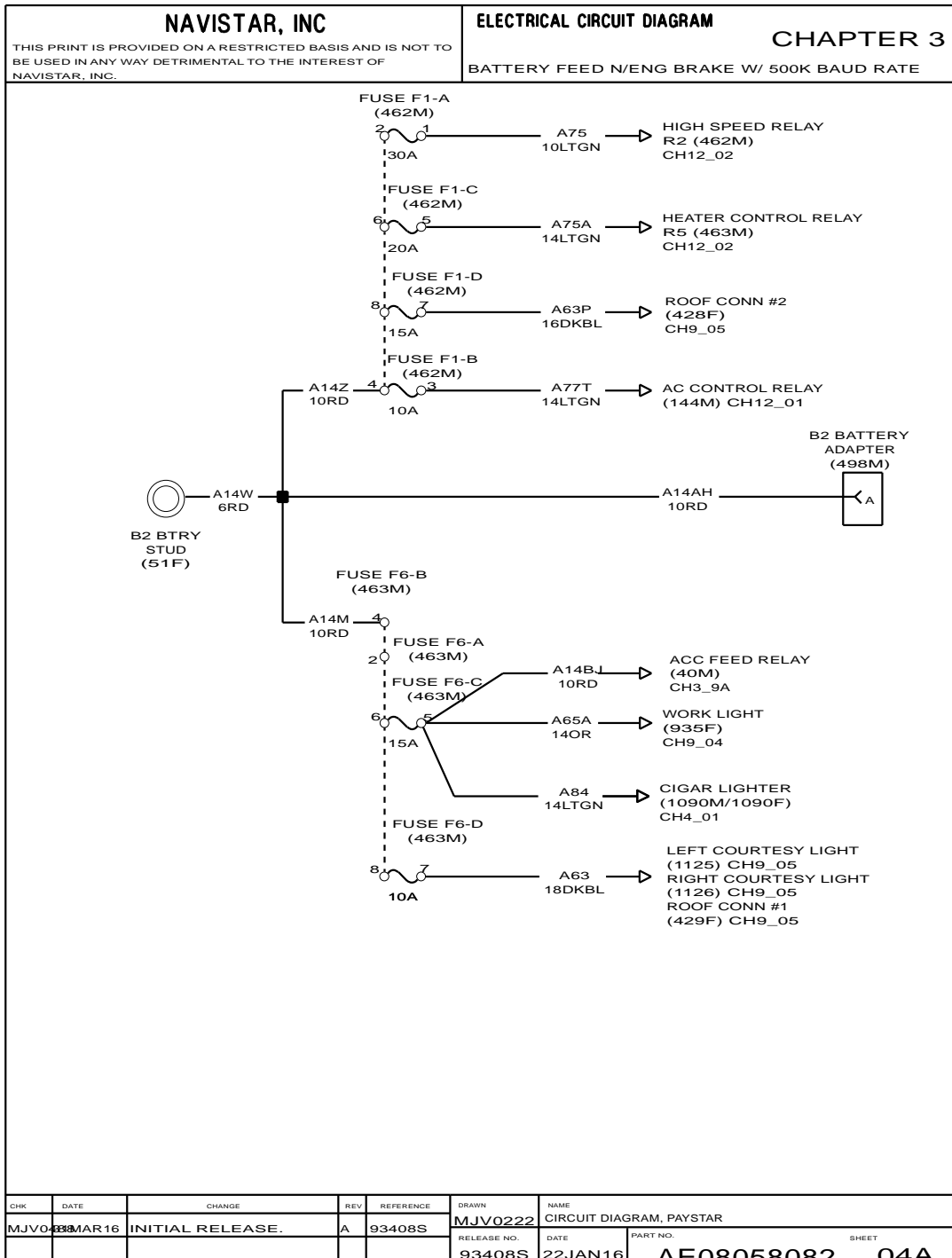


Figure 20 Battery Feed without Engine Brake with 500K Baud Rate

3.9. BATTERY FEED WITHOUT ENGINE BRAKE, P. 5

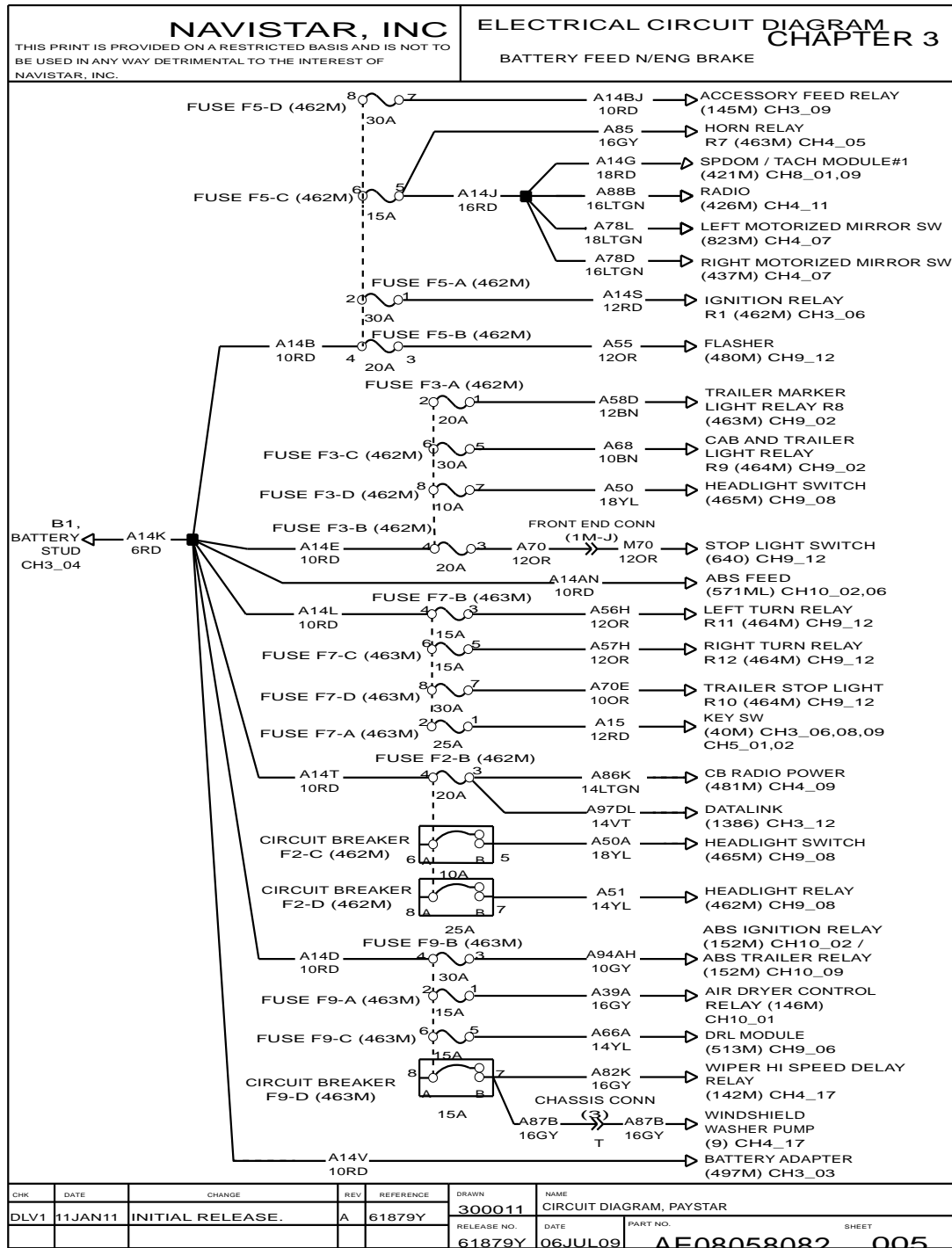


Figure 21 Battery Feed without Engine Brake

3.10. BATTERY FEED WITHOUT ENGINE BRAKE WITH 500K BAUD RATE (CONT.), P. 5A

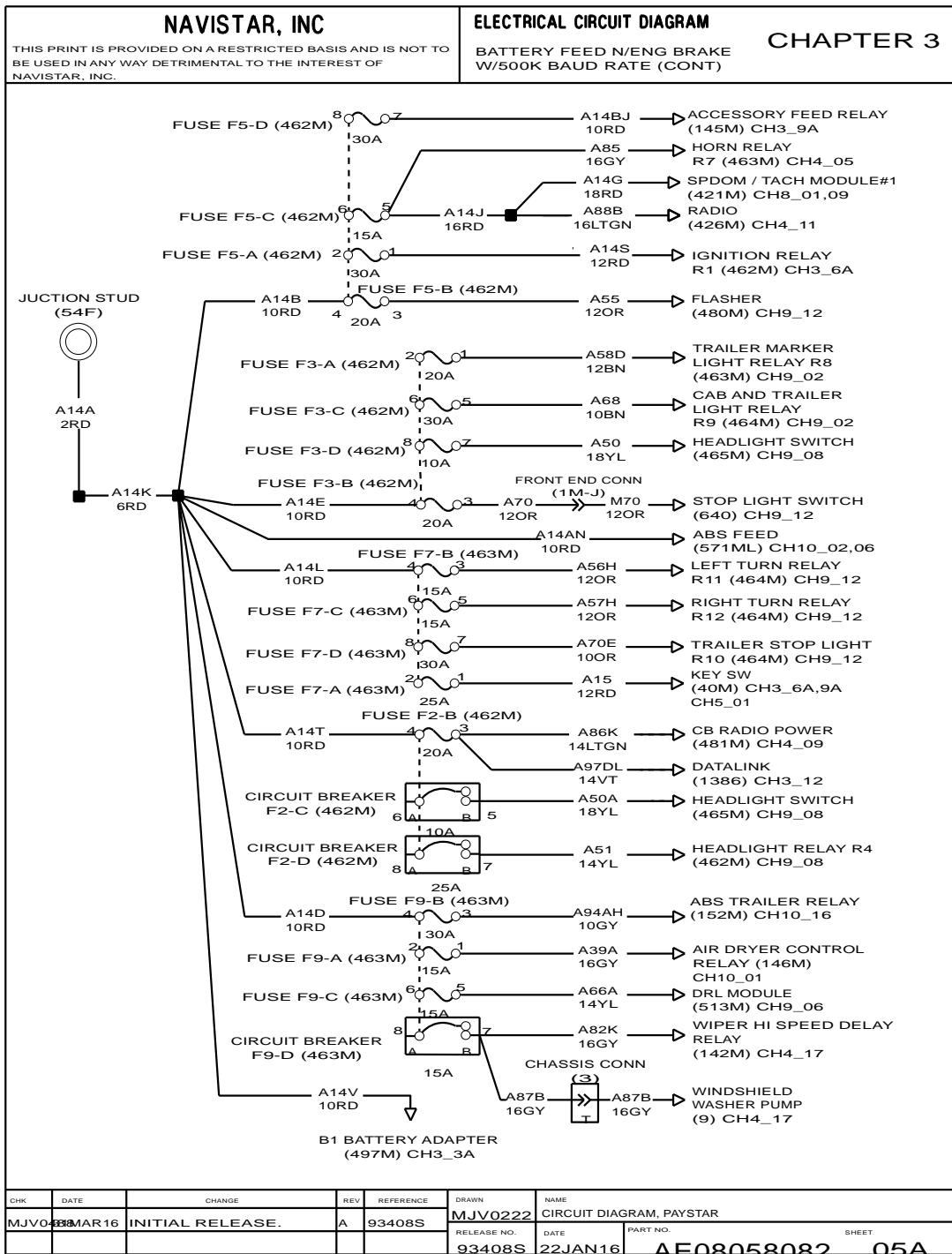


Figure 22 Battery Feed without Engine Brake with 500K Baud Rate (Cont.)

3.11. IGNITION FEED, P. 6

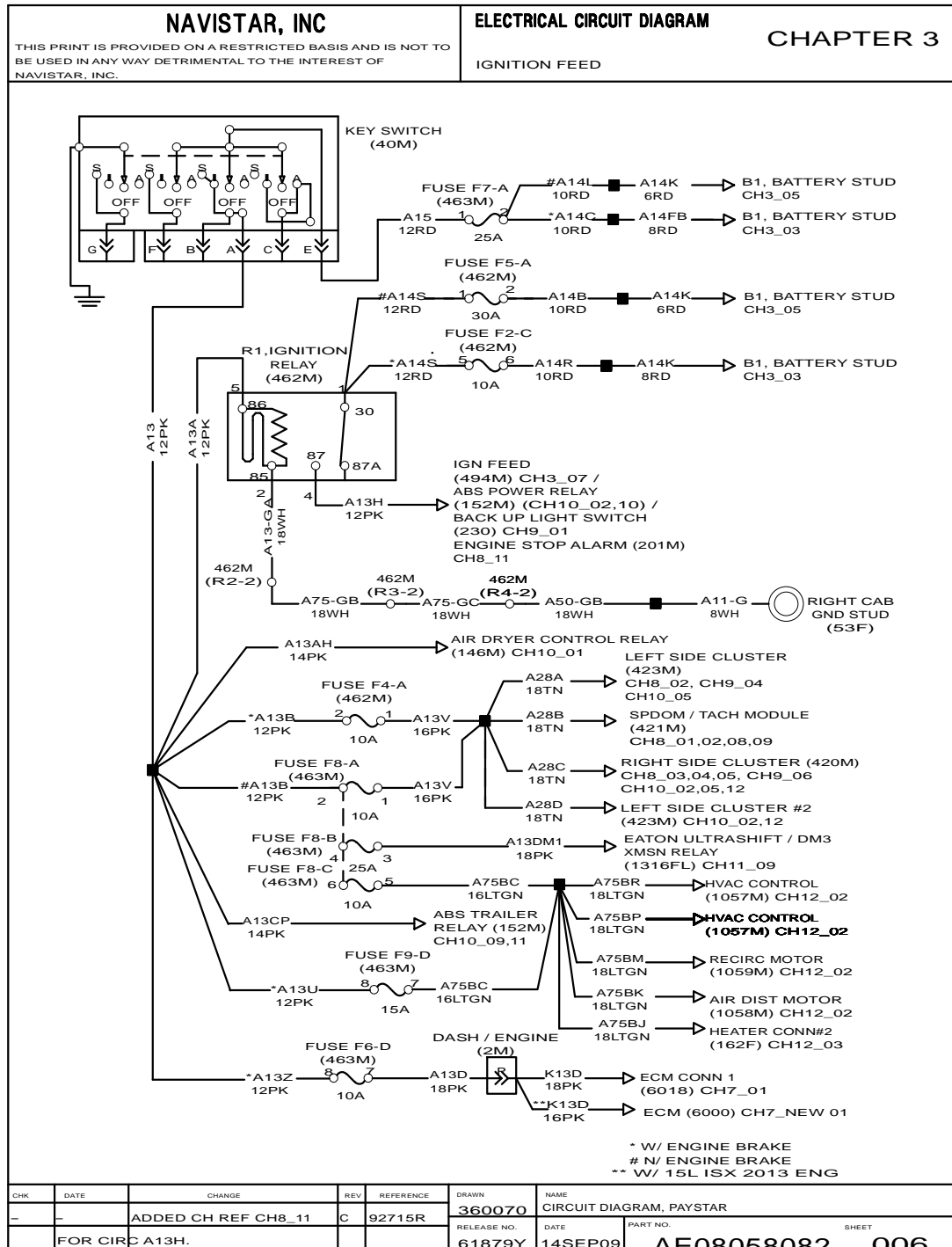


Figure 23 Ignition Feed

3.12. IGNITION FEED WITH 500K BAUD RATE, P. 6A

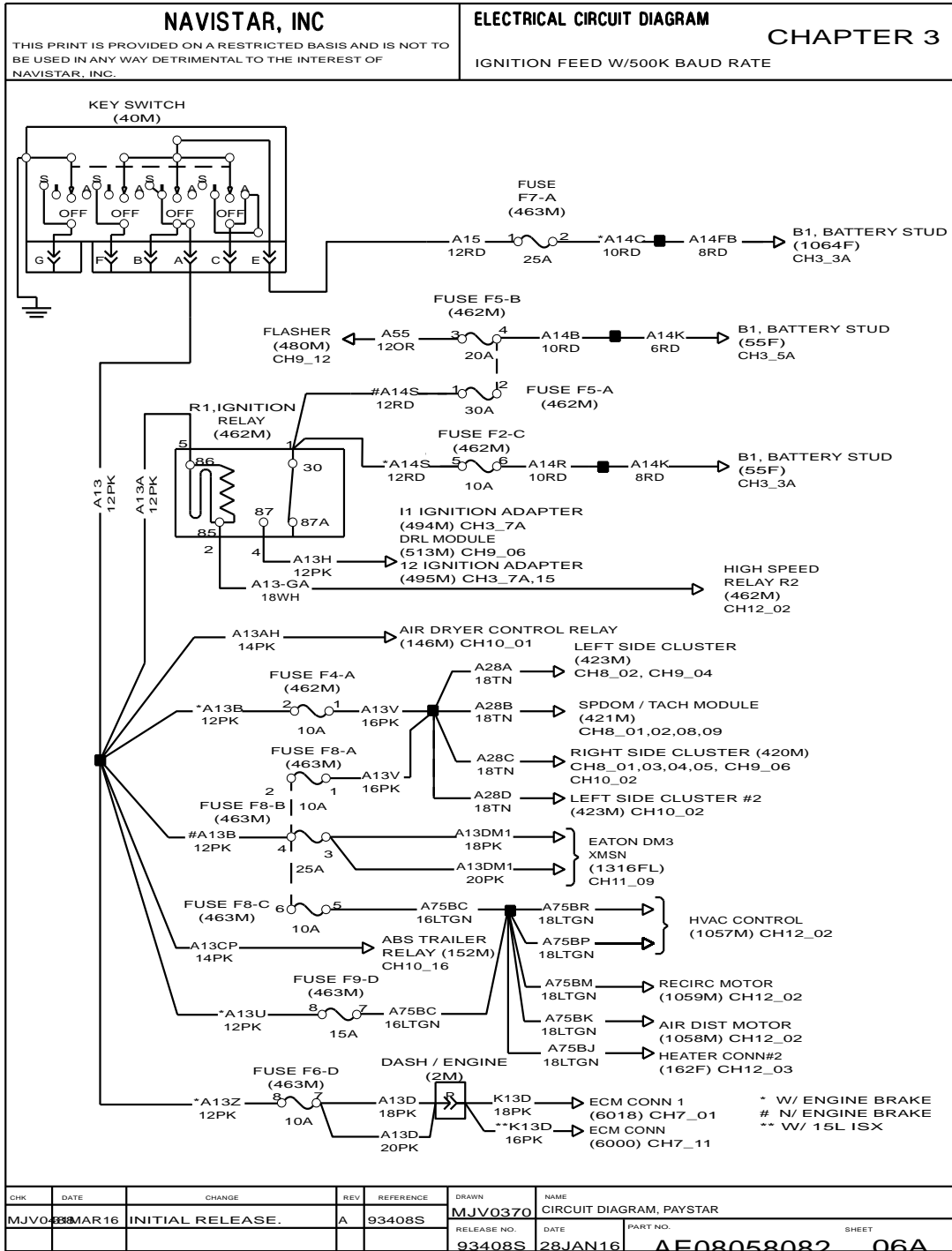


Figure 24 Ignition Feed with 500K Baud Rate

3.13. IGNITION FEED (CONT.), P. 7

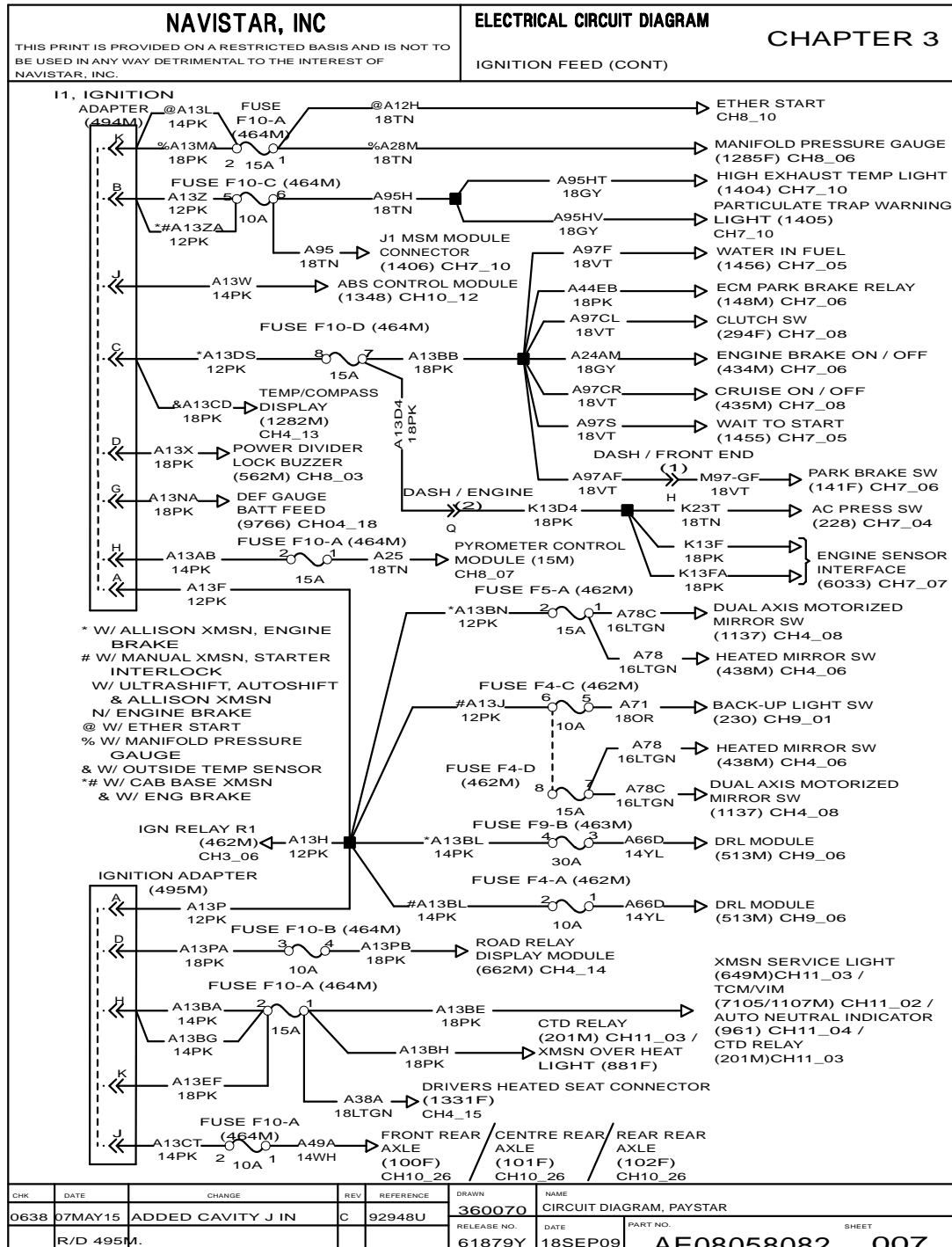


Figure 25 Ignition Feed (Cont.)

3.14. IGNITION FEED WITH 500K BAUD RATE (CONT.), P. 7A

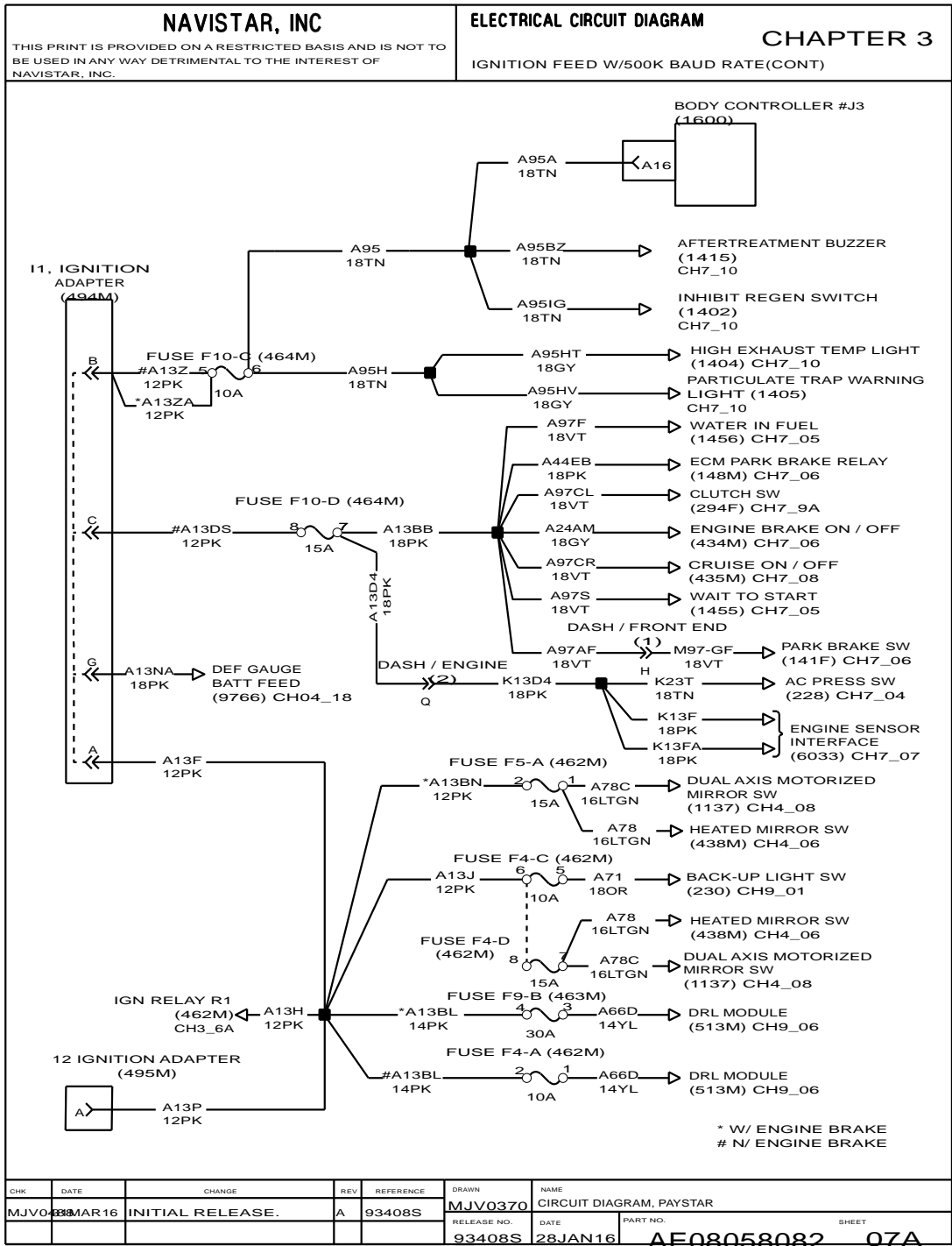


Figure 26 Ignition Feed with 500K Baud Rate (Cont.)

3.15. POWER FEED, P. 8

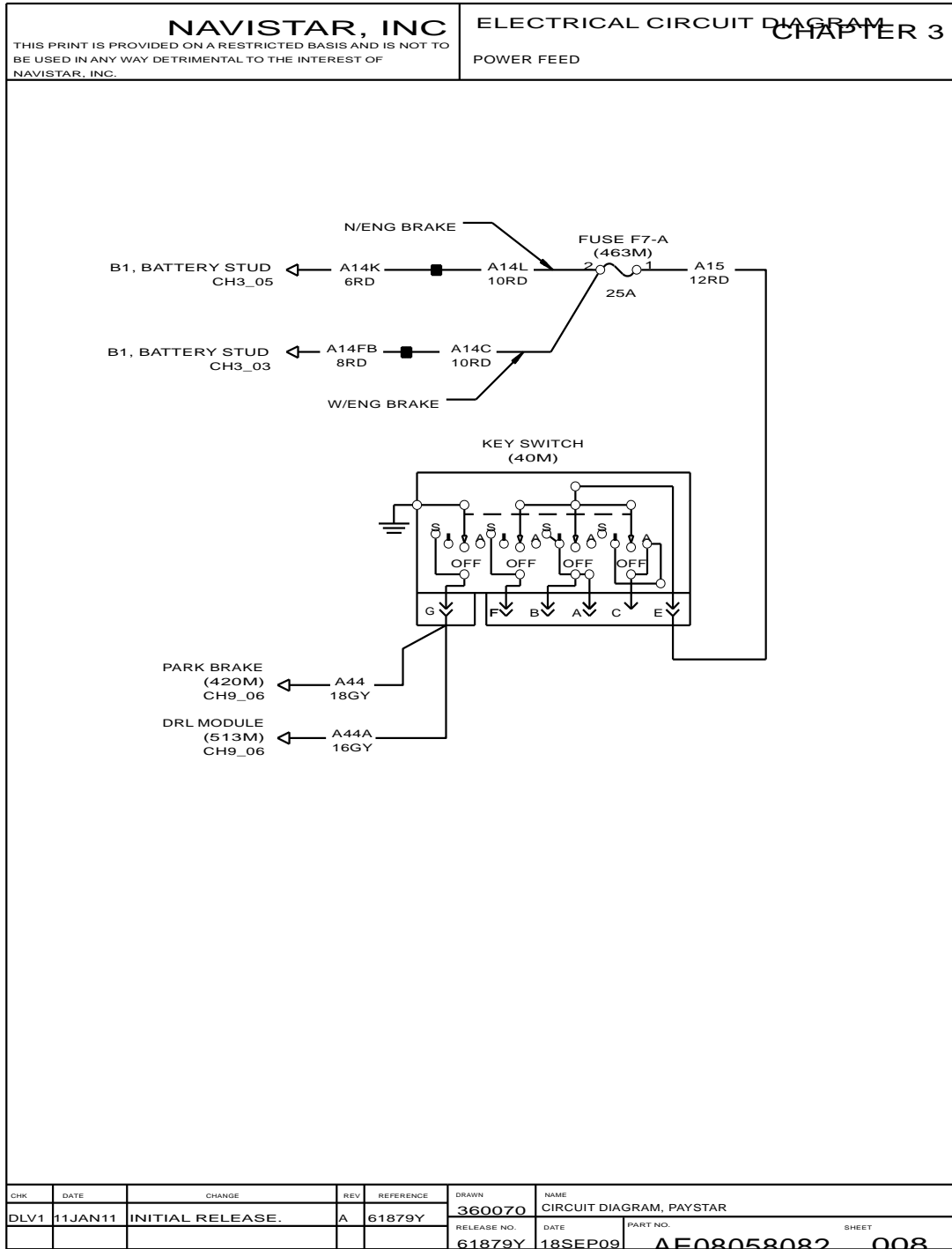


Figure 27 Power Feed

3.16. ACCESSORY FEED, P. 9

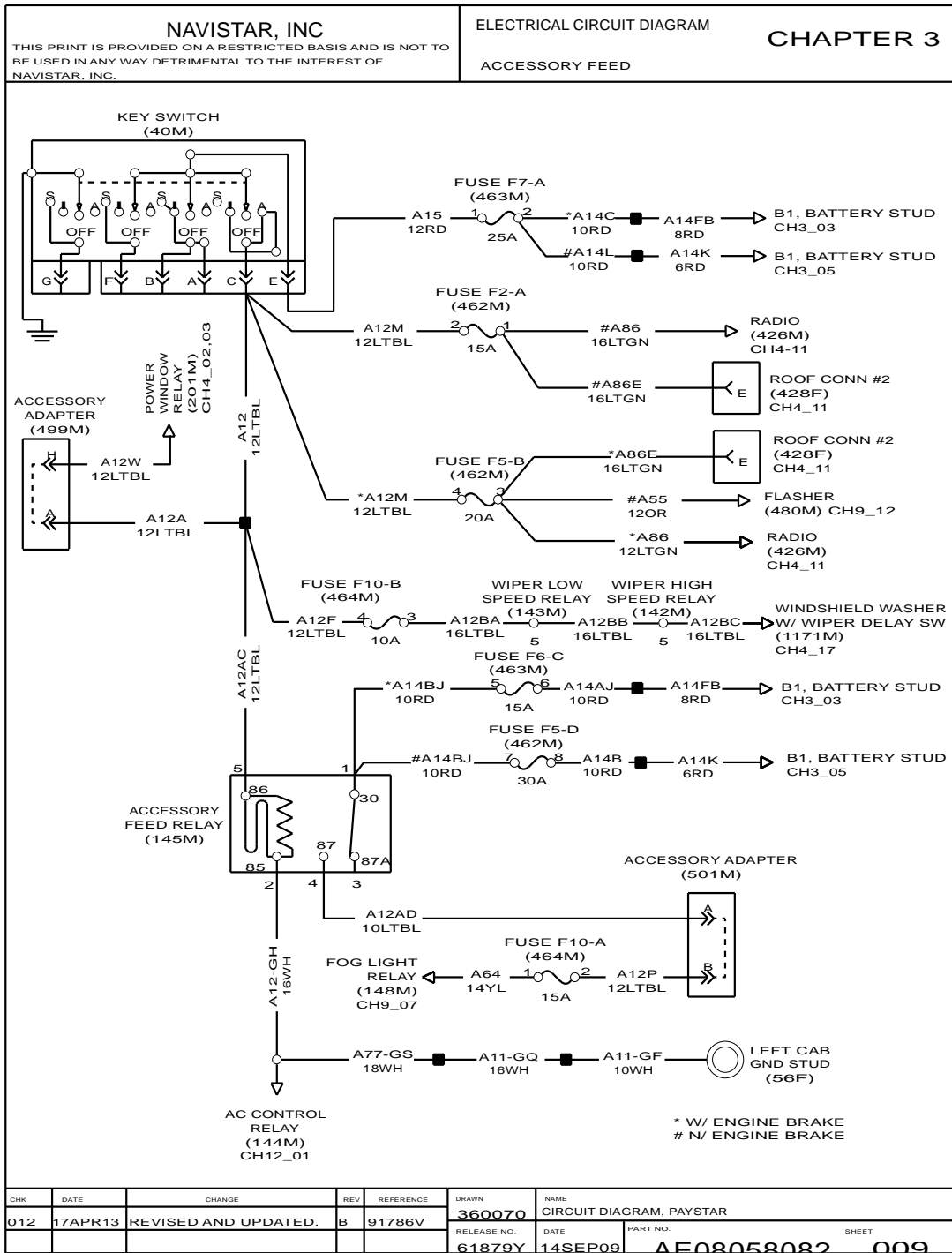


Figure 28 Accessory Feed

3.17. ACCESSORY FEED WITH 500K BAUD RATE, P. 9A

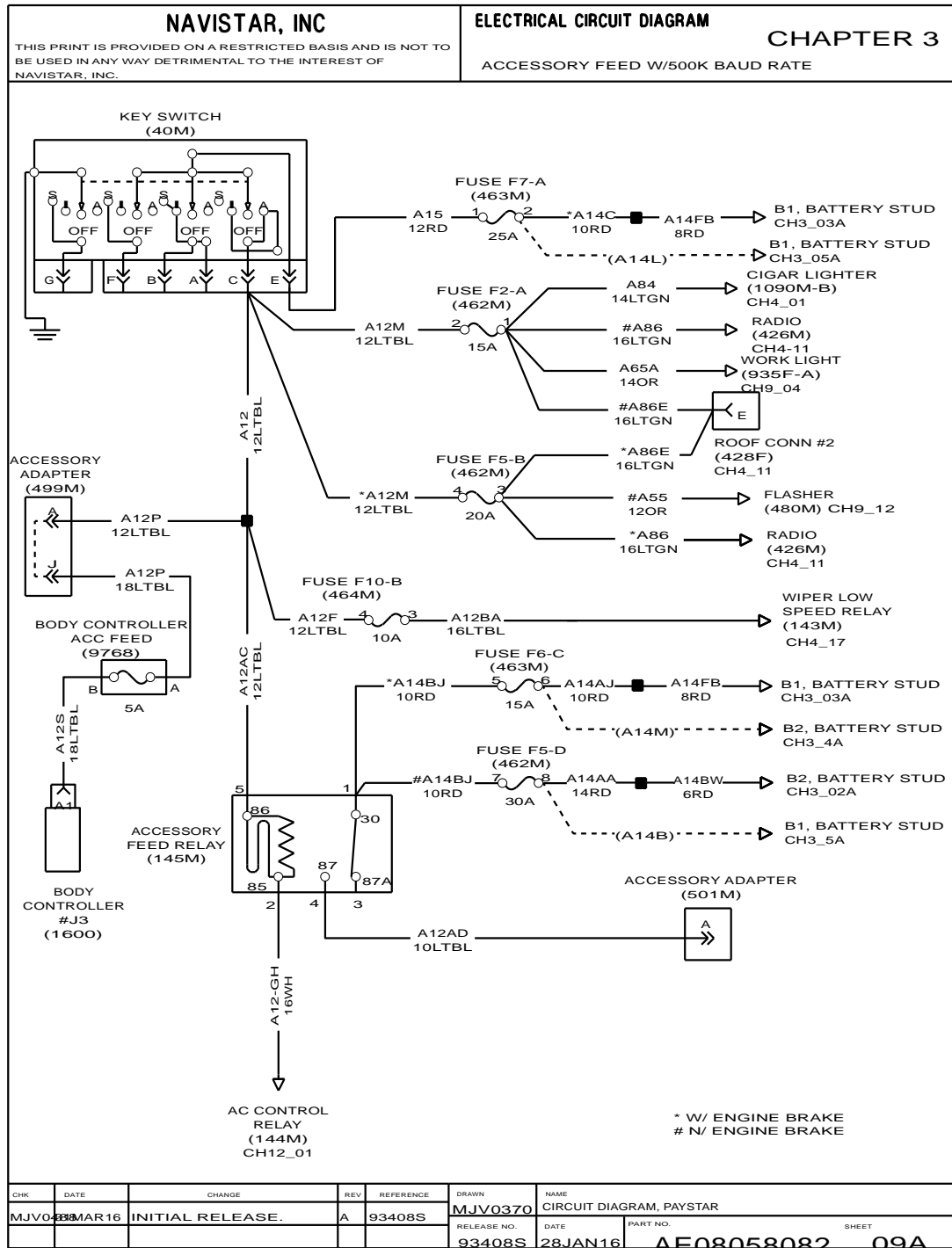


Figure 29 Accessory Feed with 500K Baud Rate

3.18. J1939 DATA LINK WITH IBB ENGINE, P. 10

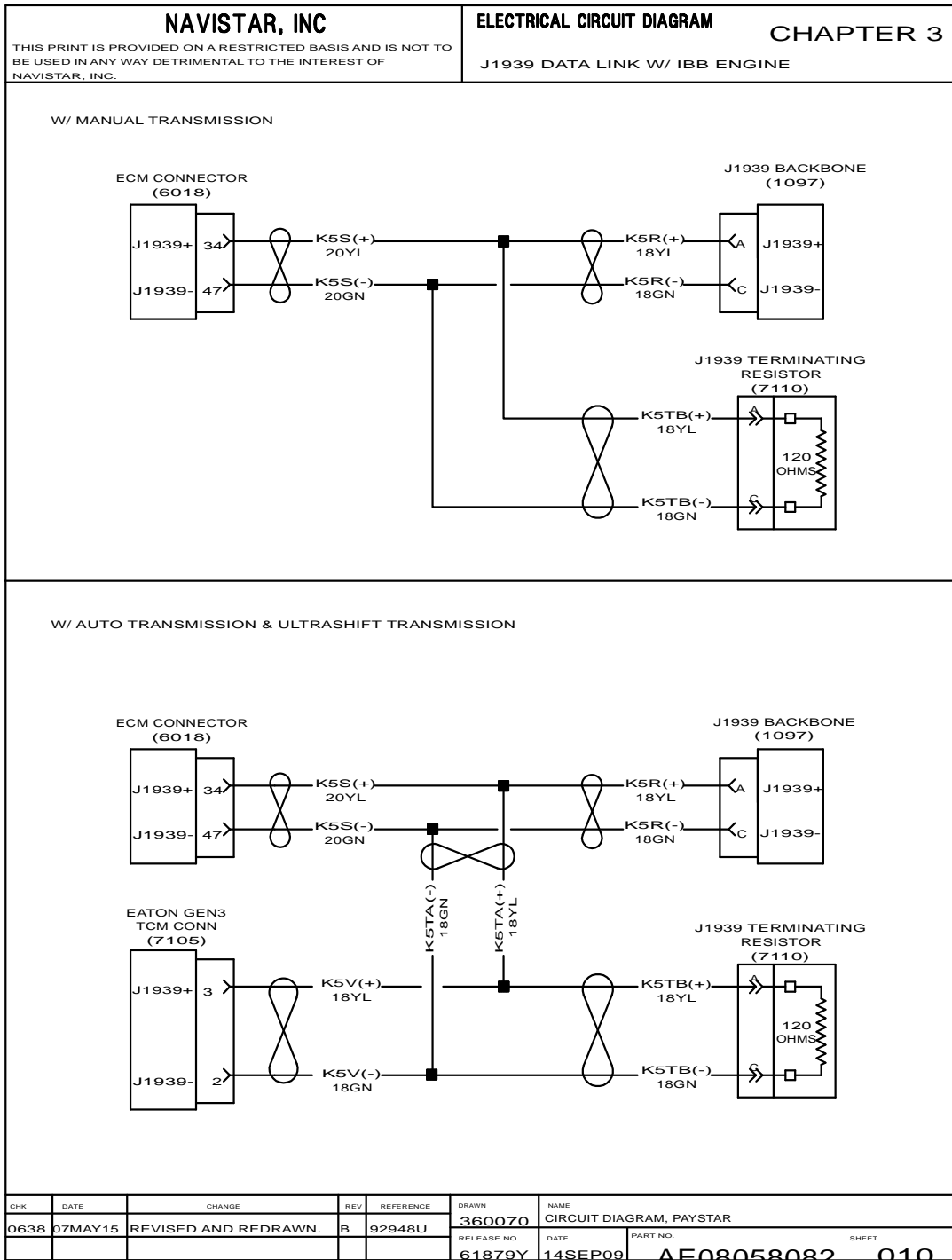


Figure 30 J1939 Data Link with IBB Engine

3.19. J1939 DATA LINK WITH IBB ENGINE (CONT.), P. 11

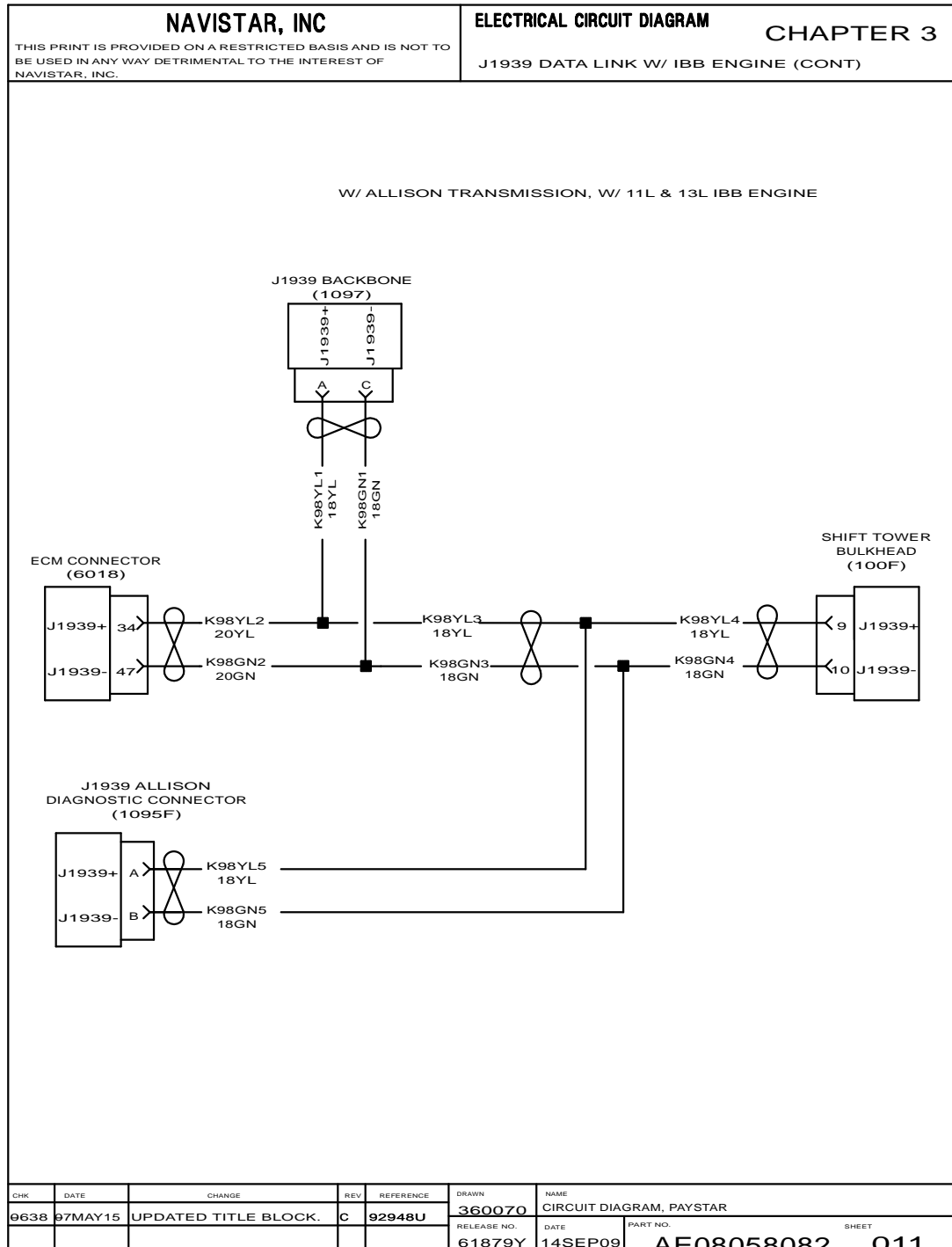


Figure 31 J1939 Data Link with IBB Engine (Cont.)

3.20. J1939 DATA LINK WITH IBB ENGINE (CONT.), P. 11A

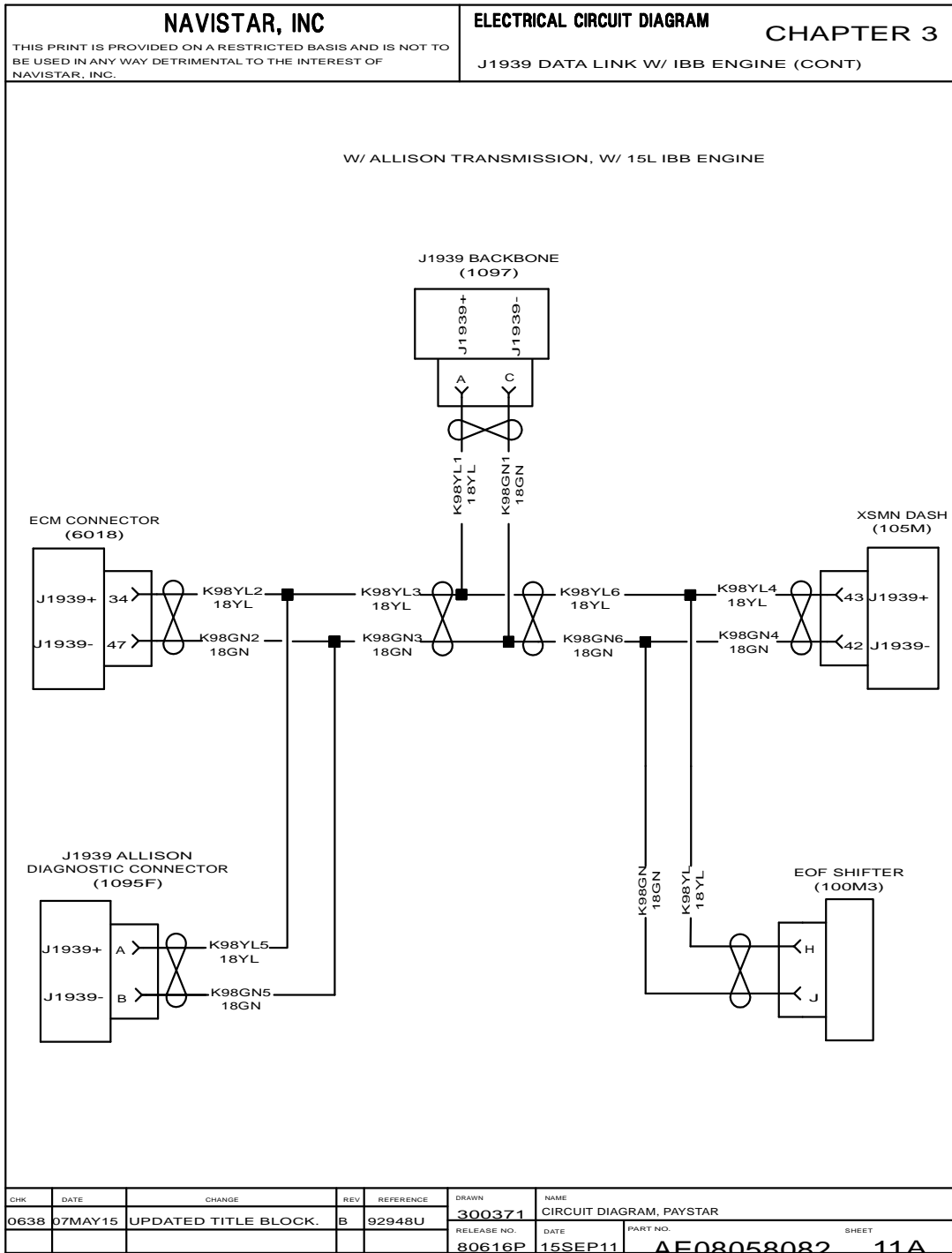


Figure 32 J1939 Data Link with IBB Engine (Cont.)

3.21. DIAGNOSTIC DATA LINK, P. 12

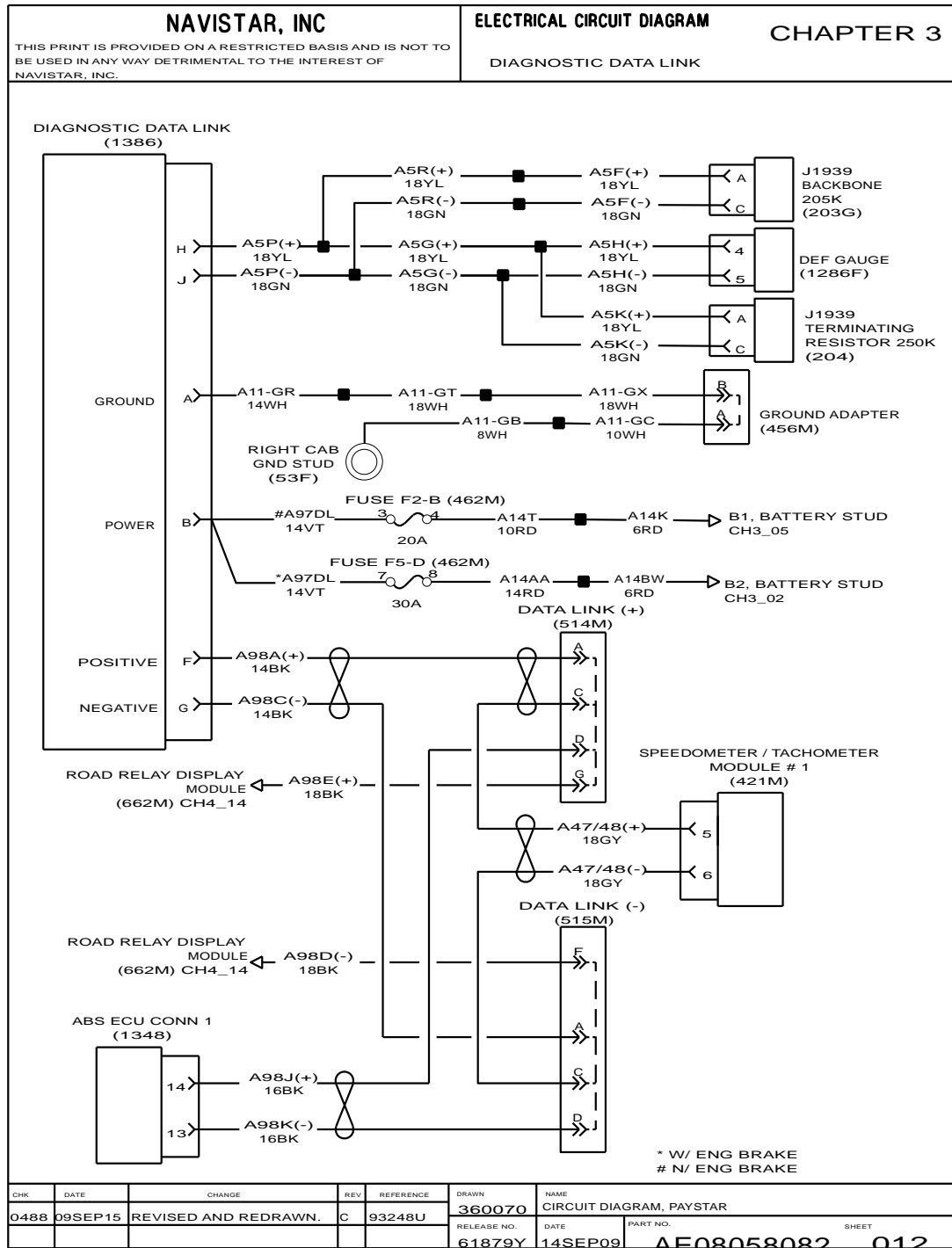


Figure 33 Diagnostic Data Link

3.22. GROUND, P. 13

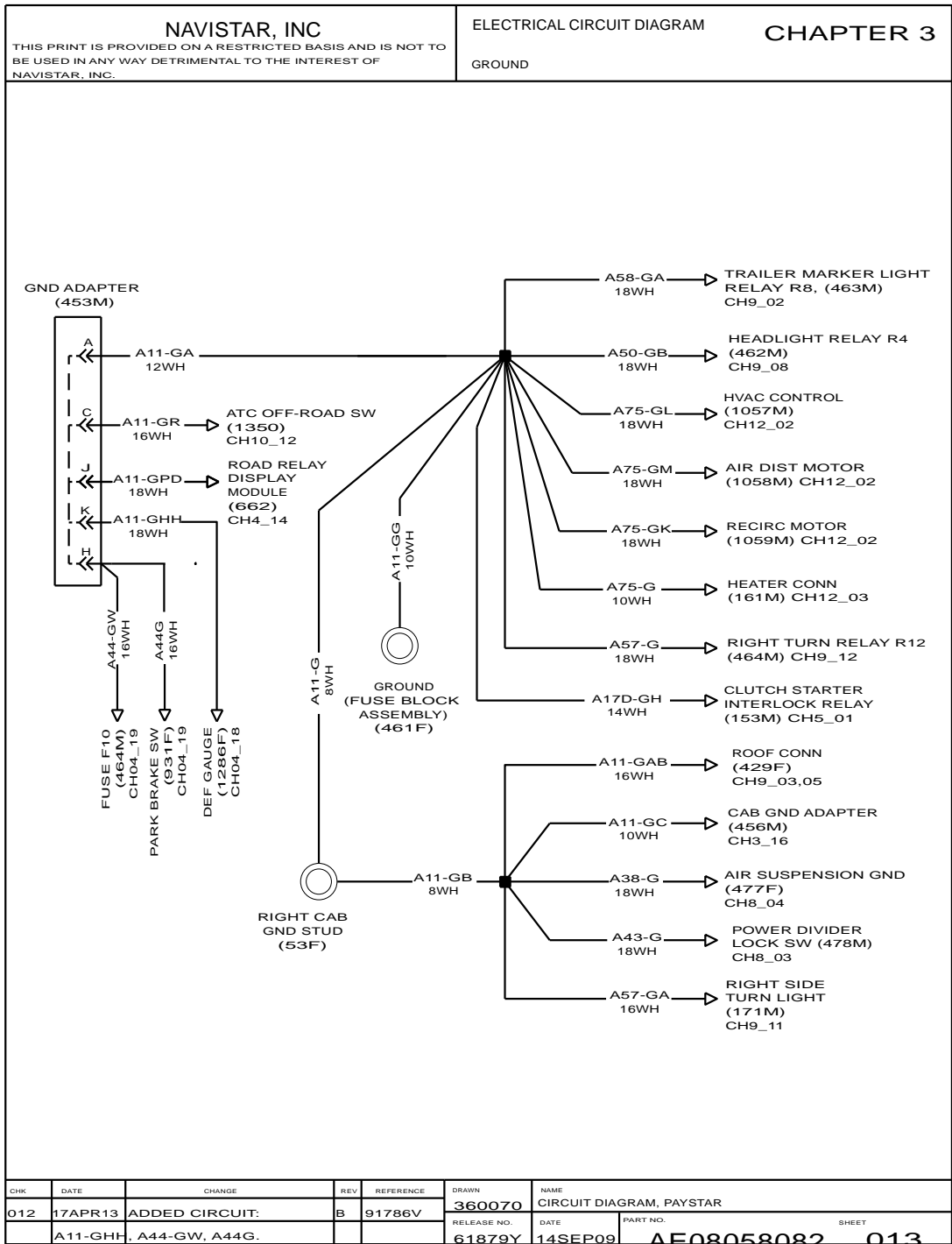


Figure 34 Ground

3.23. GROUND (CONT.), P. 14

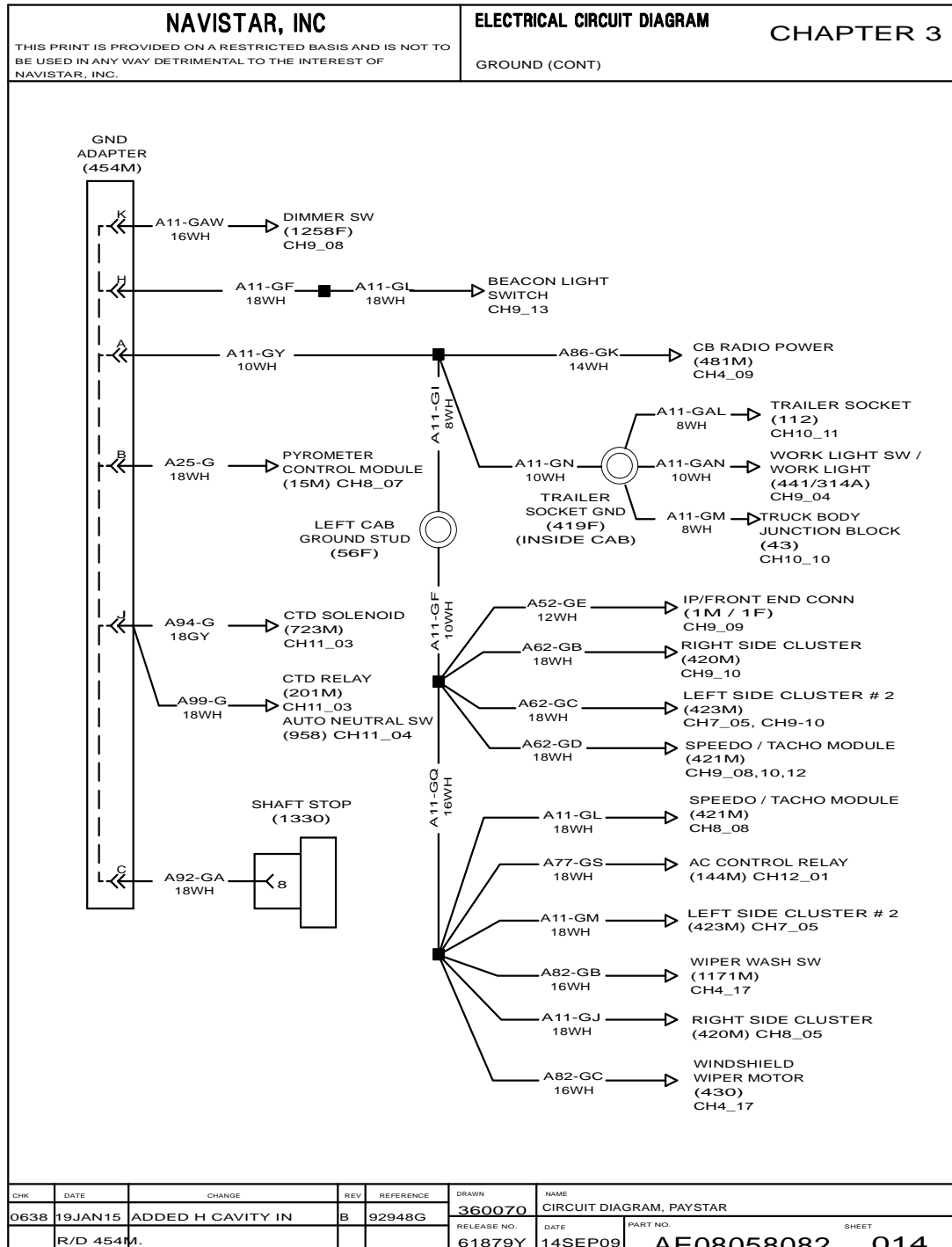


Figure 35 Ground (Cont.)

3.24. GROUND (CONT.), P. 15

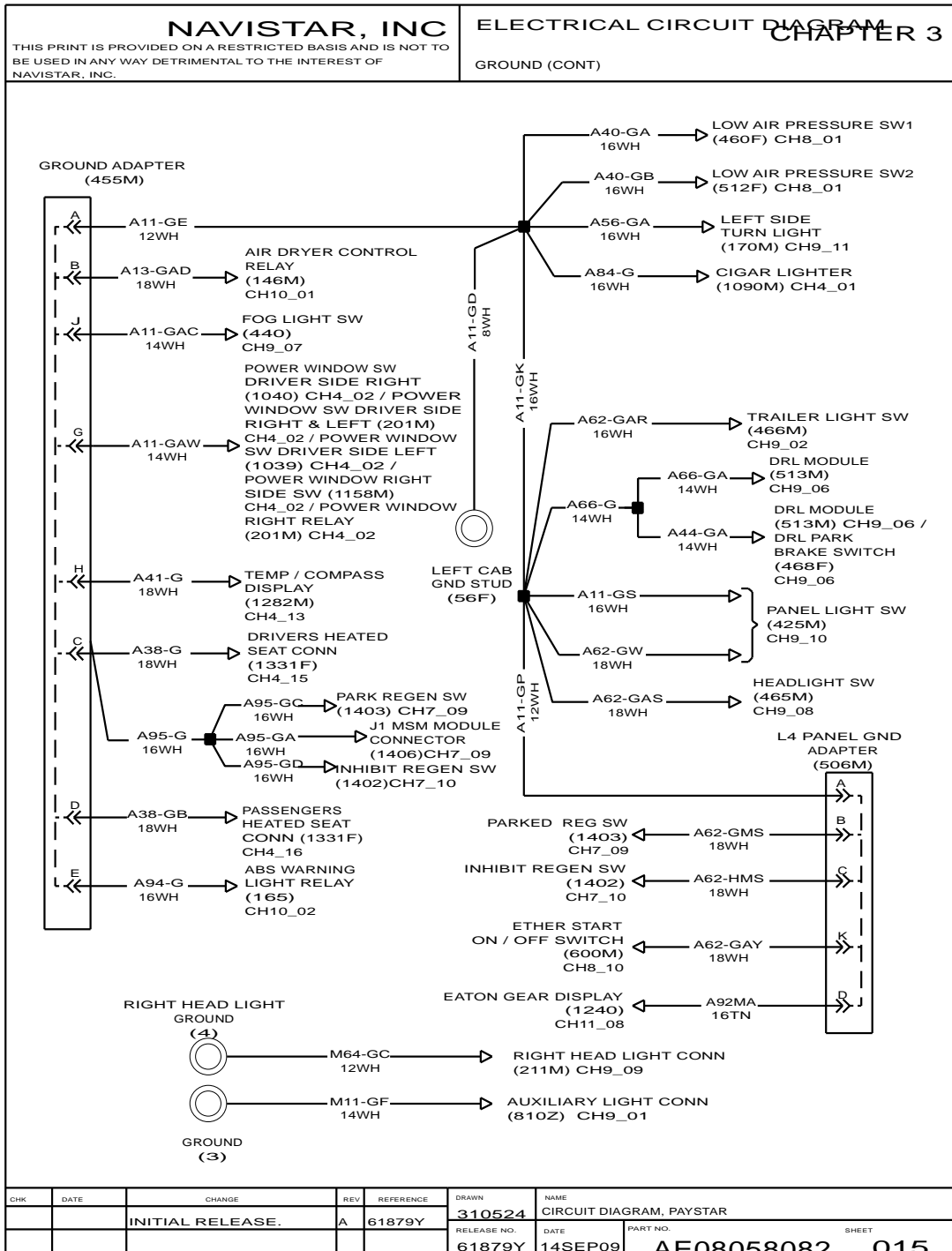


Figure 36 Ground (Cont.)

3.25. GROUND (CONT.), P. 16

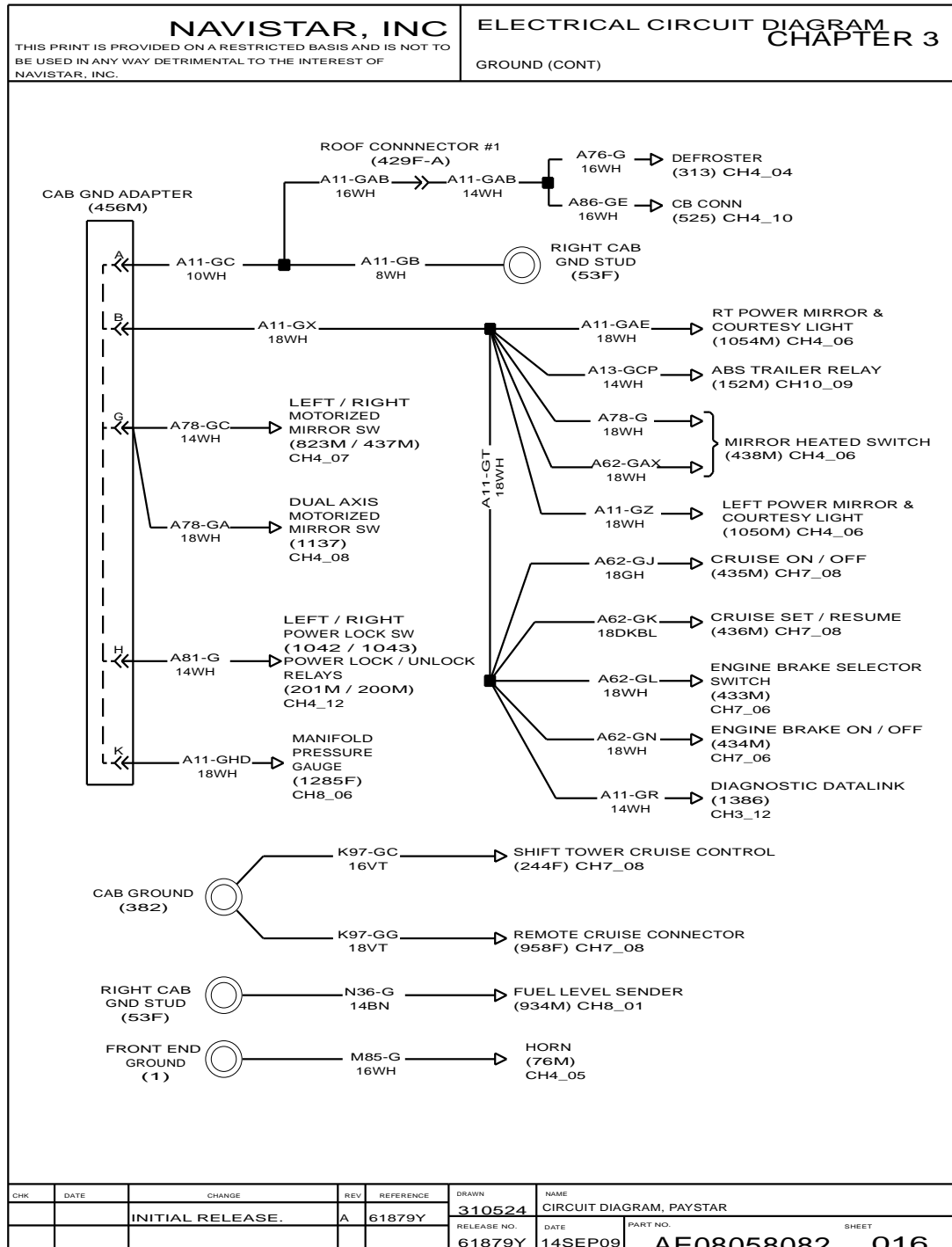


Figure 37 Ground (Cont.)

3.26. GROUND CHASSIS, P. 16A

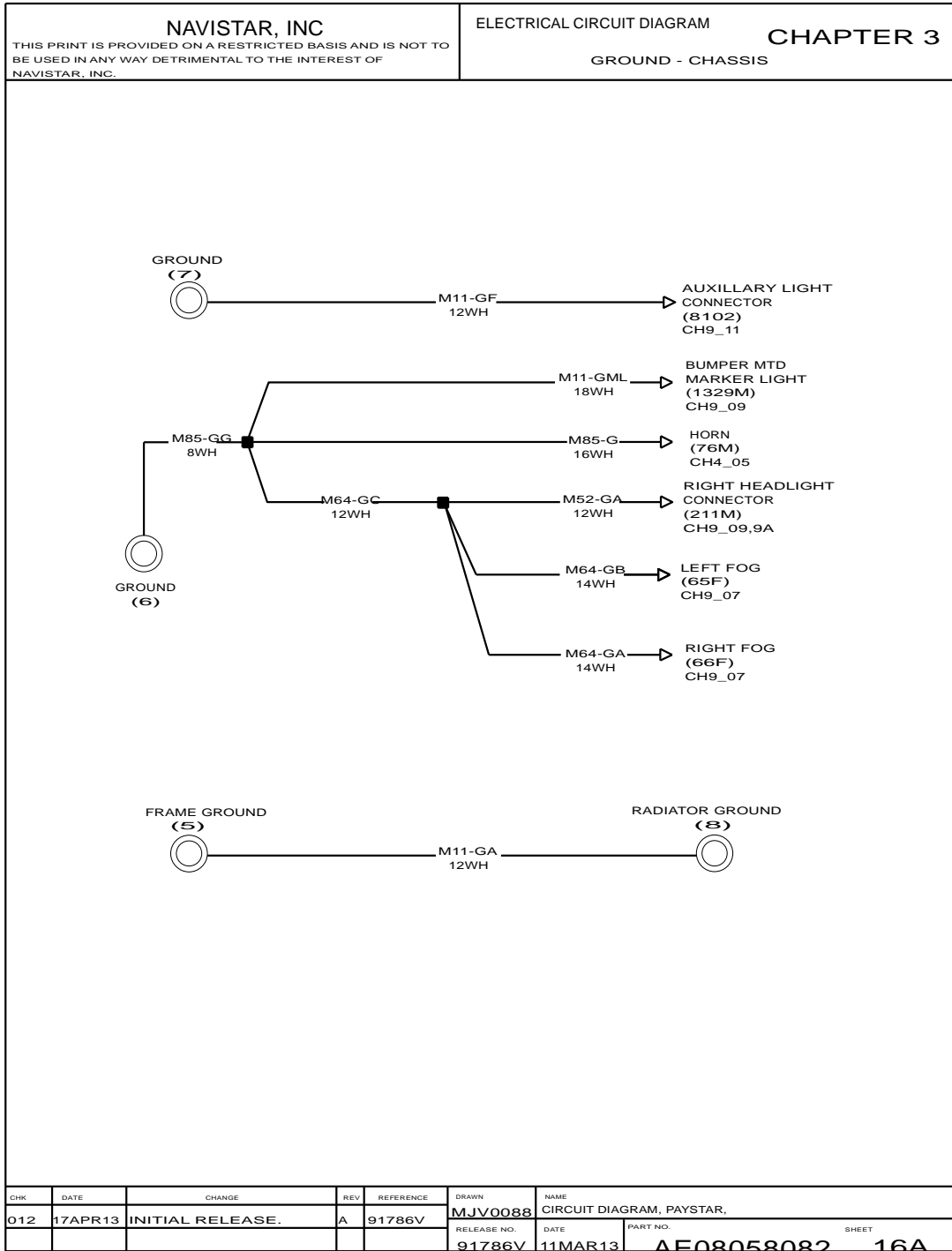


Figure 38 Ground Chassis

3.27. ZERO VOLT REFERENCE, P. 17

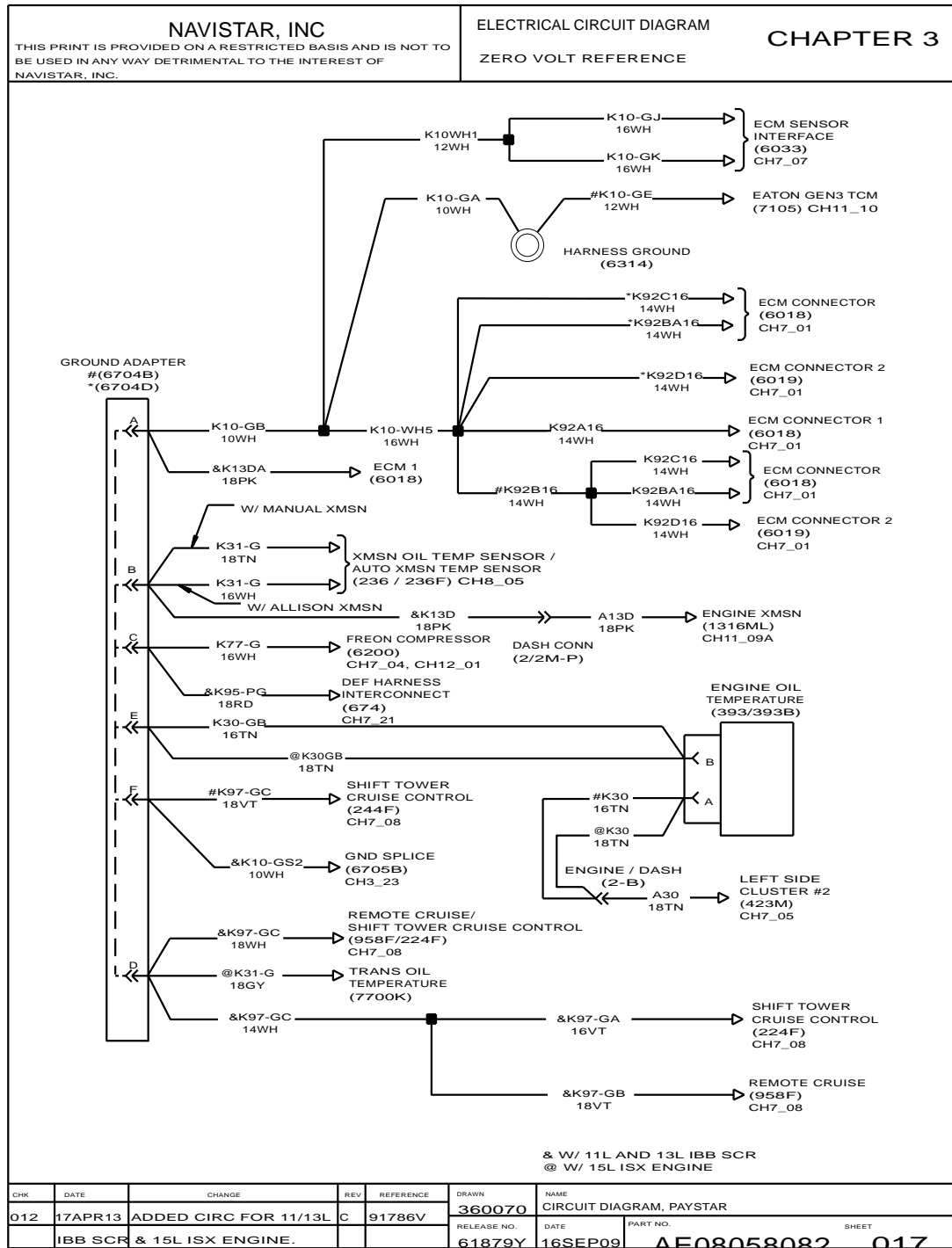


Figure 39 Zero Volt Reference

3.28. PANEL LIGHT ADAPTER, P. 18

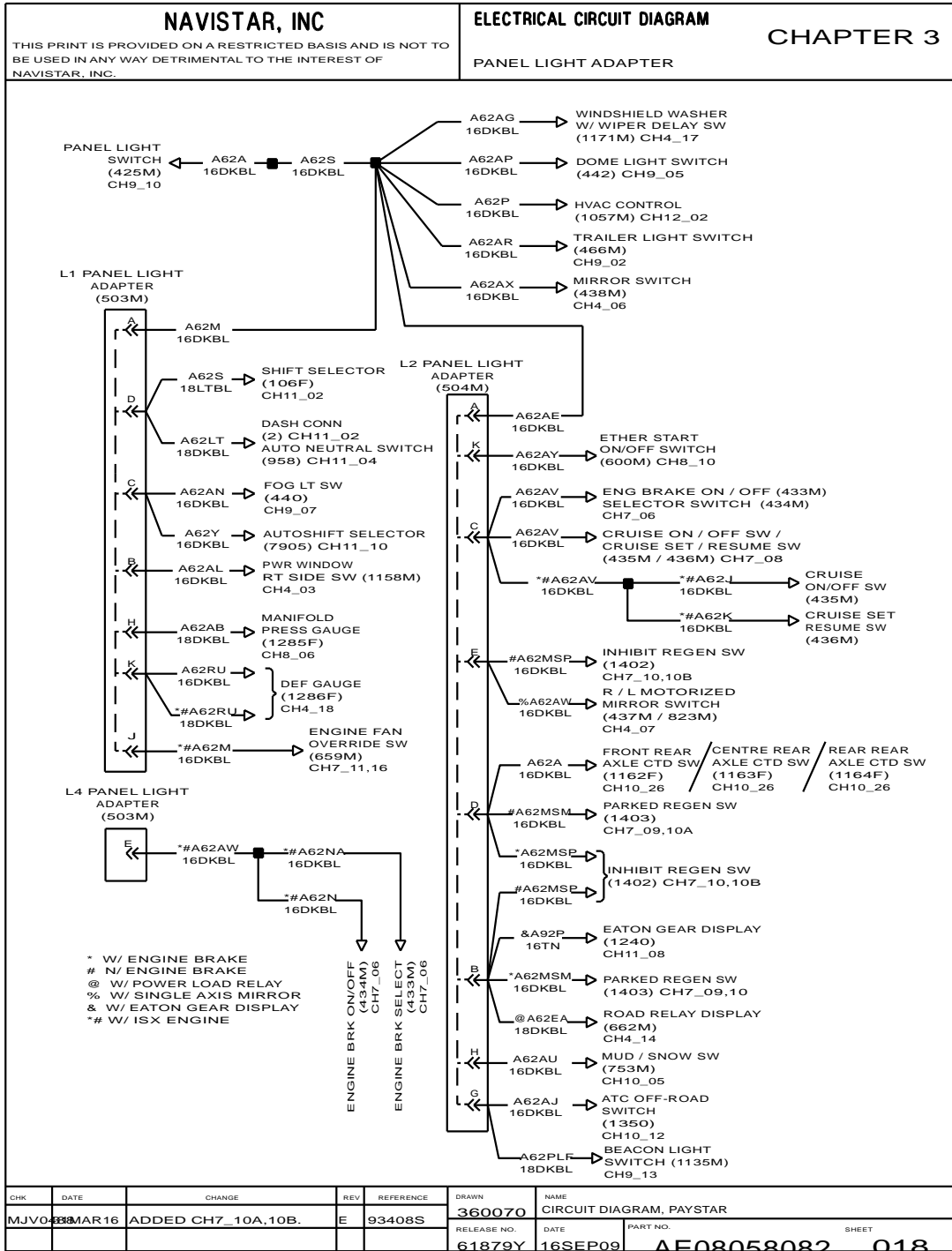


Figure 40 Panel Light Adapter

3.29. ECA POWER, P. 19

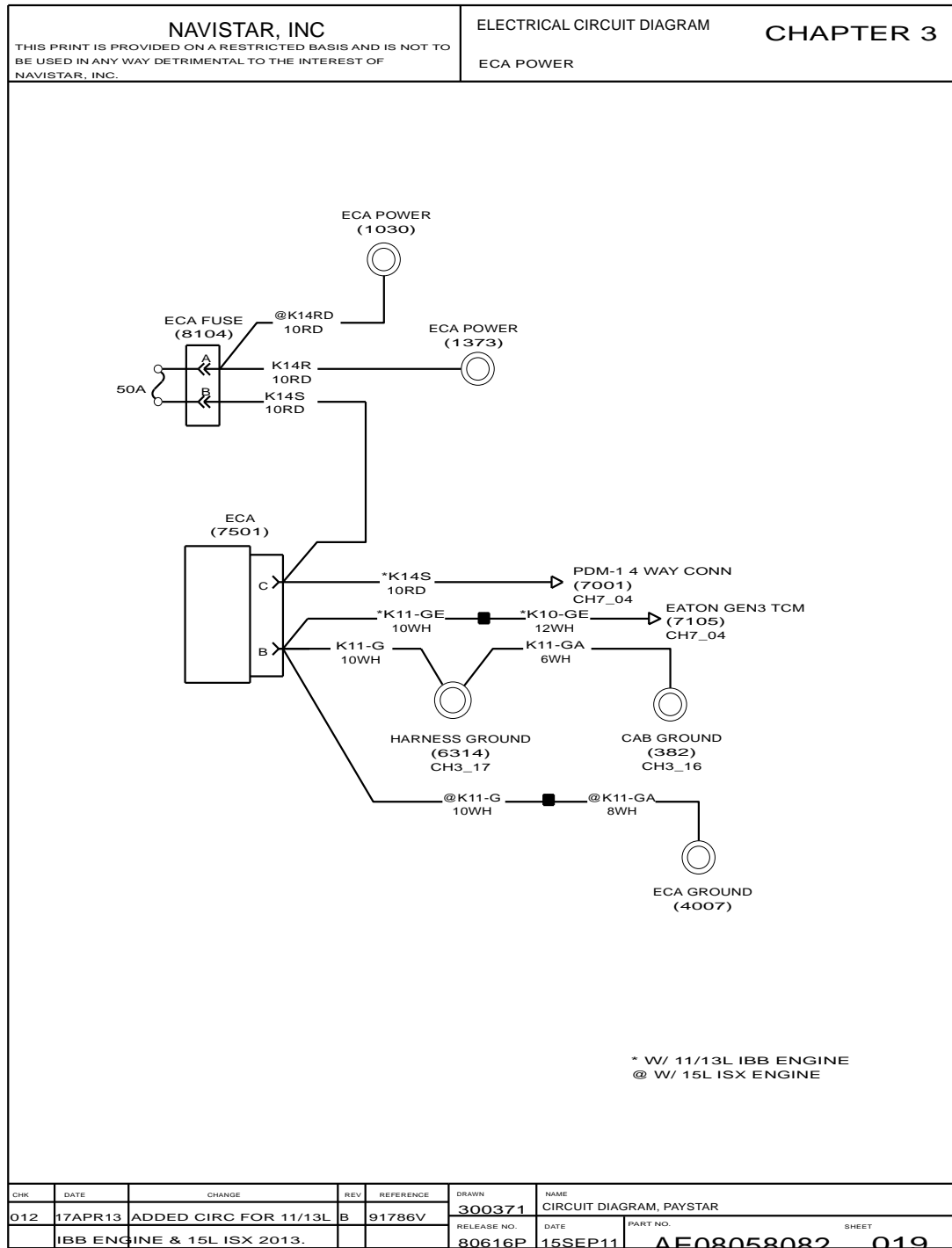


Figure 41 ECA Power

3.30. J1939 DATA LINK WITH 15L ISX 2013, P. 20

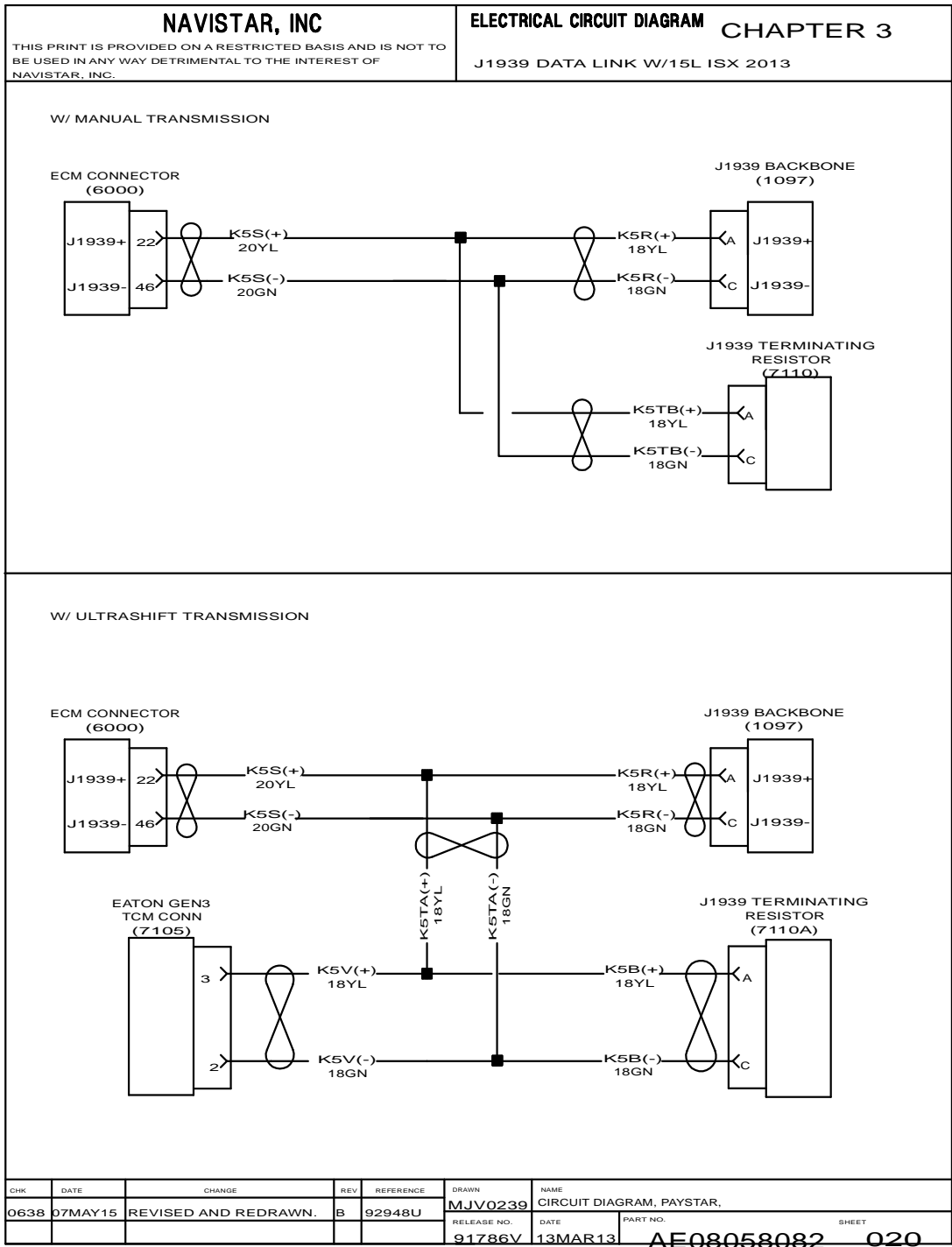


Figure 42 J1939 Data Link with 15L ISX 2013

3.31. CAB J1939 DATA LINK WITH 11 / 13L IBB SCR, P. 21

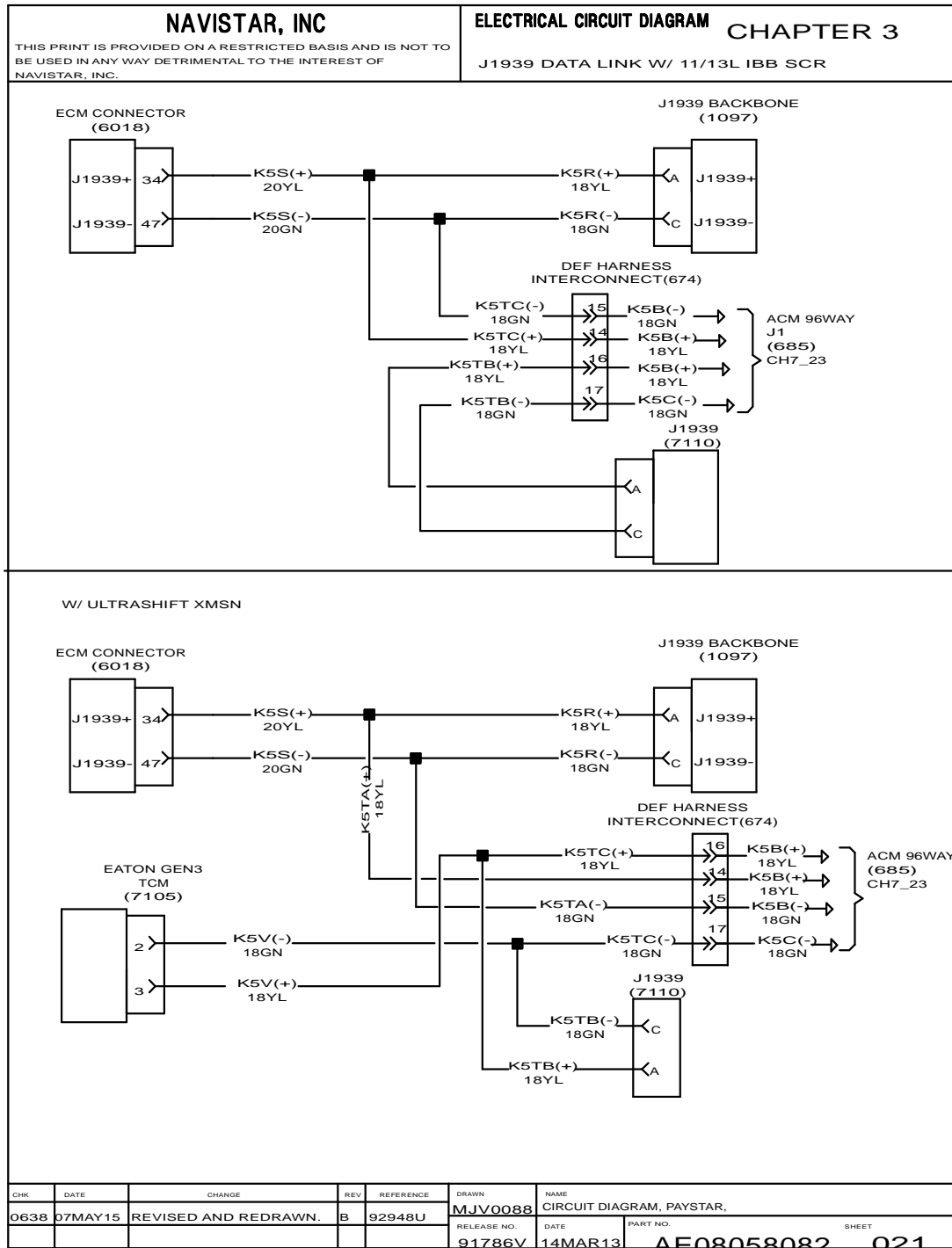


Figure 43 Cab J1939 Data Link with 11 / 13L IBB SCR

3.32. ECM SWITCH GND SPLICE, P. 22

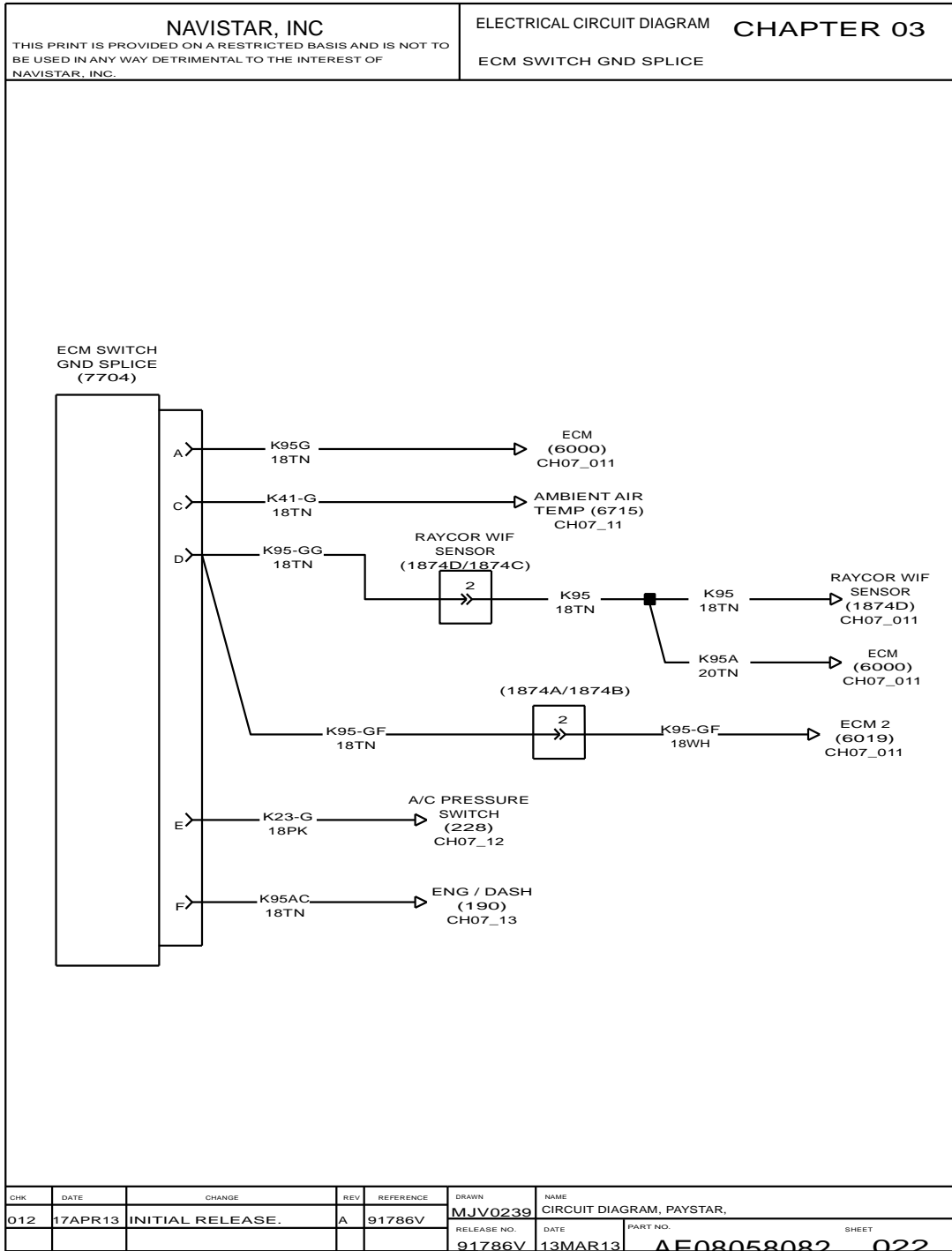


Figure 44 ECM Switch GND Splice

3.33. ECM SWITCH GND SPLICE 2, P. 23

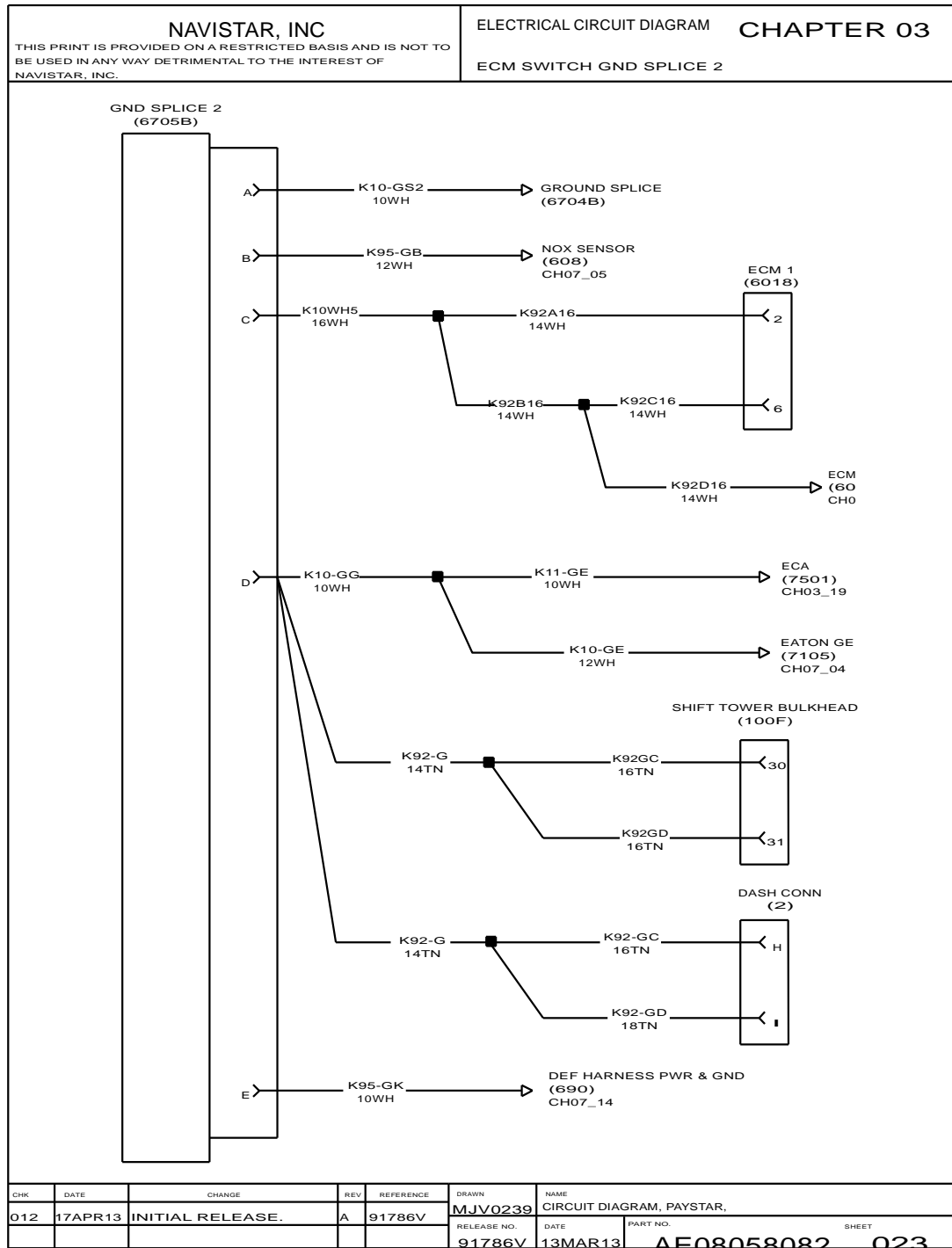


Figure 45 ECM Switch GND Splice 2

3.34. 250K J1939 CAB DATA LINK WITH 500K REGULATORY UPDATE, P. 24

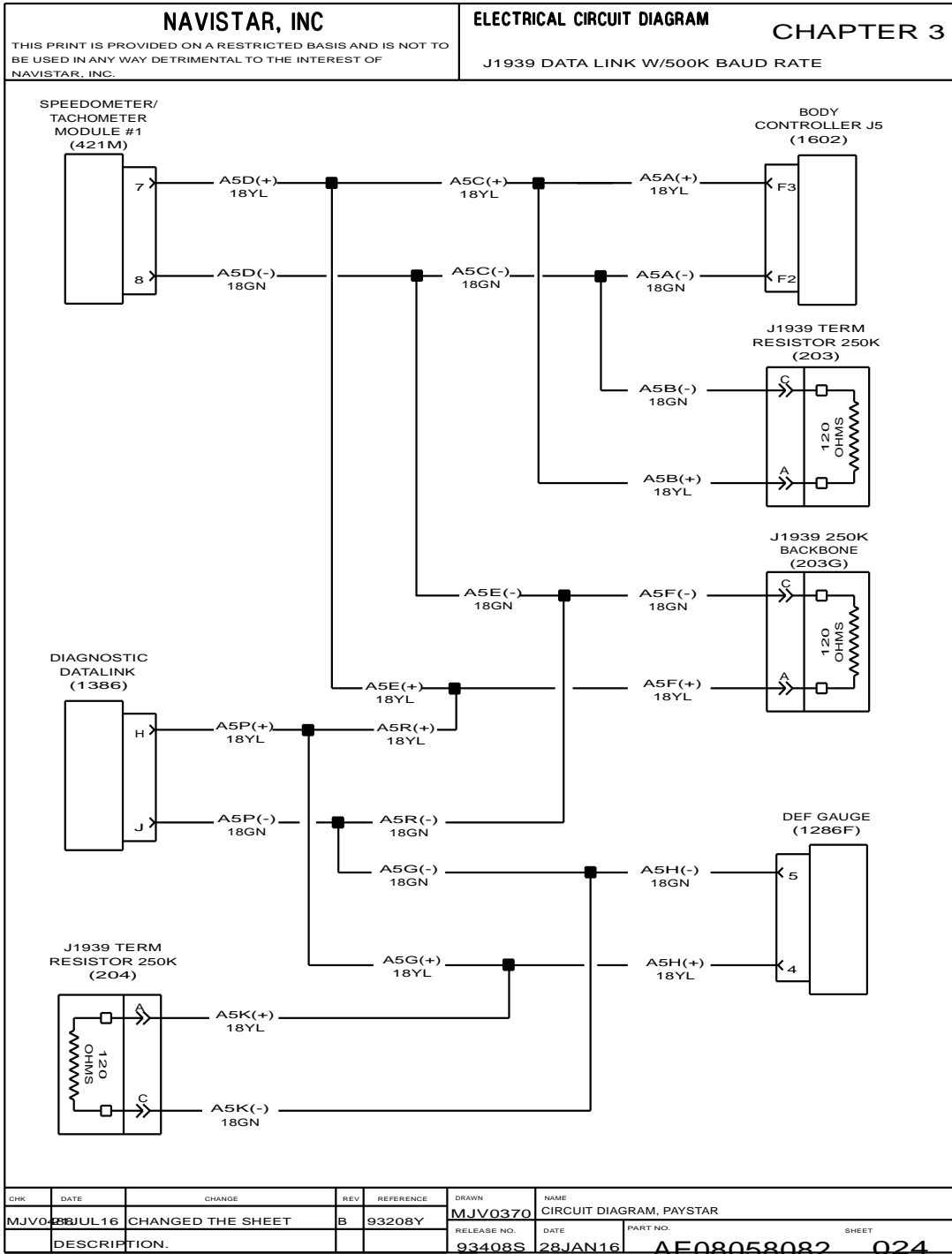


Figure 46 250K J1939 Cab Data Link with 500K Regulatory Update

3.35. J1939 DATA LINK WITH 500K BAUD RATE (CONT.), P. 25

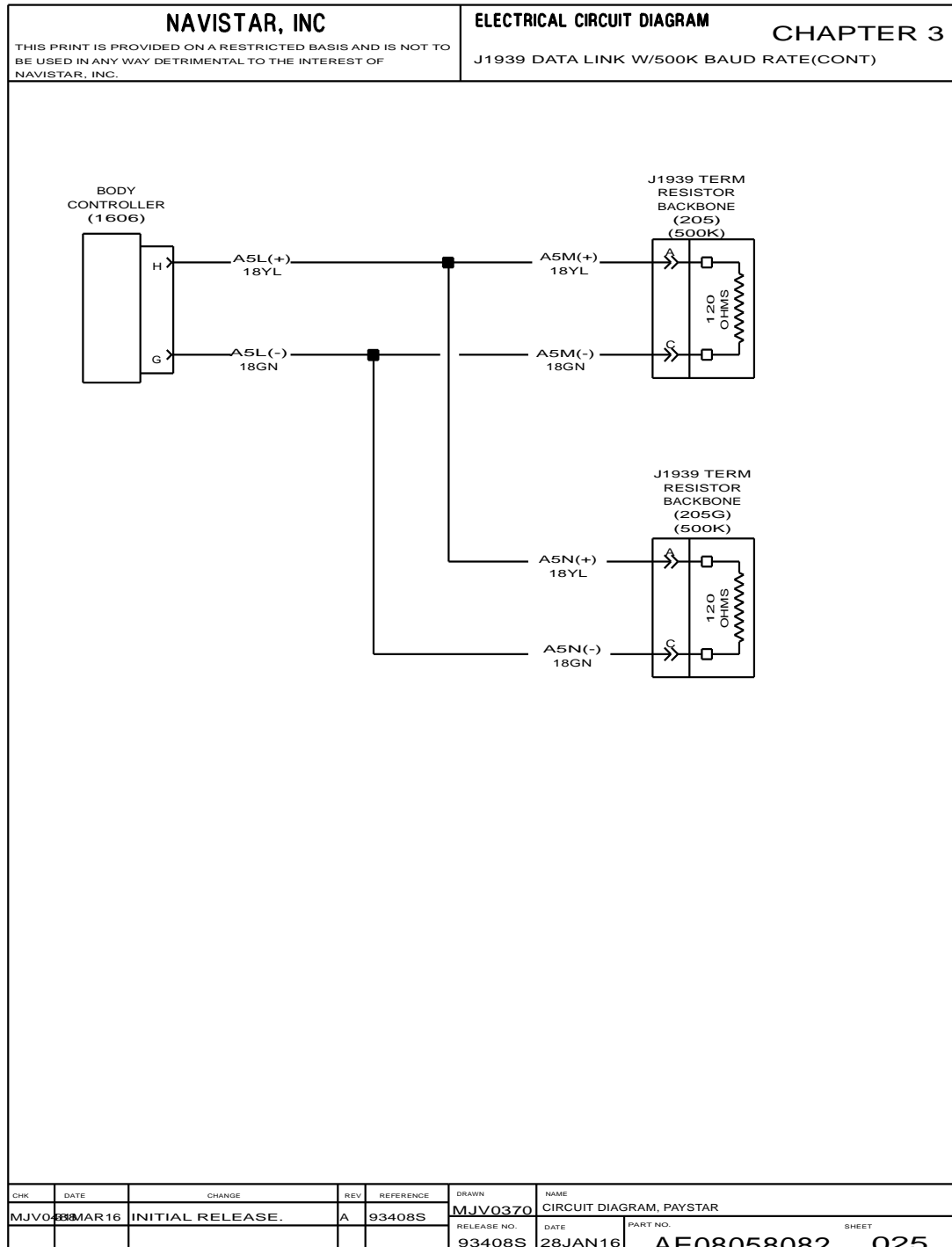


Figure 47 J1939 Data Link with 500K Baud Rate (Cont.)

CAB ACCESSORIES (CHAPTER 4)

4.1. CIGAR LIGHTER, P. 1

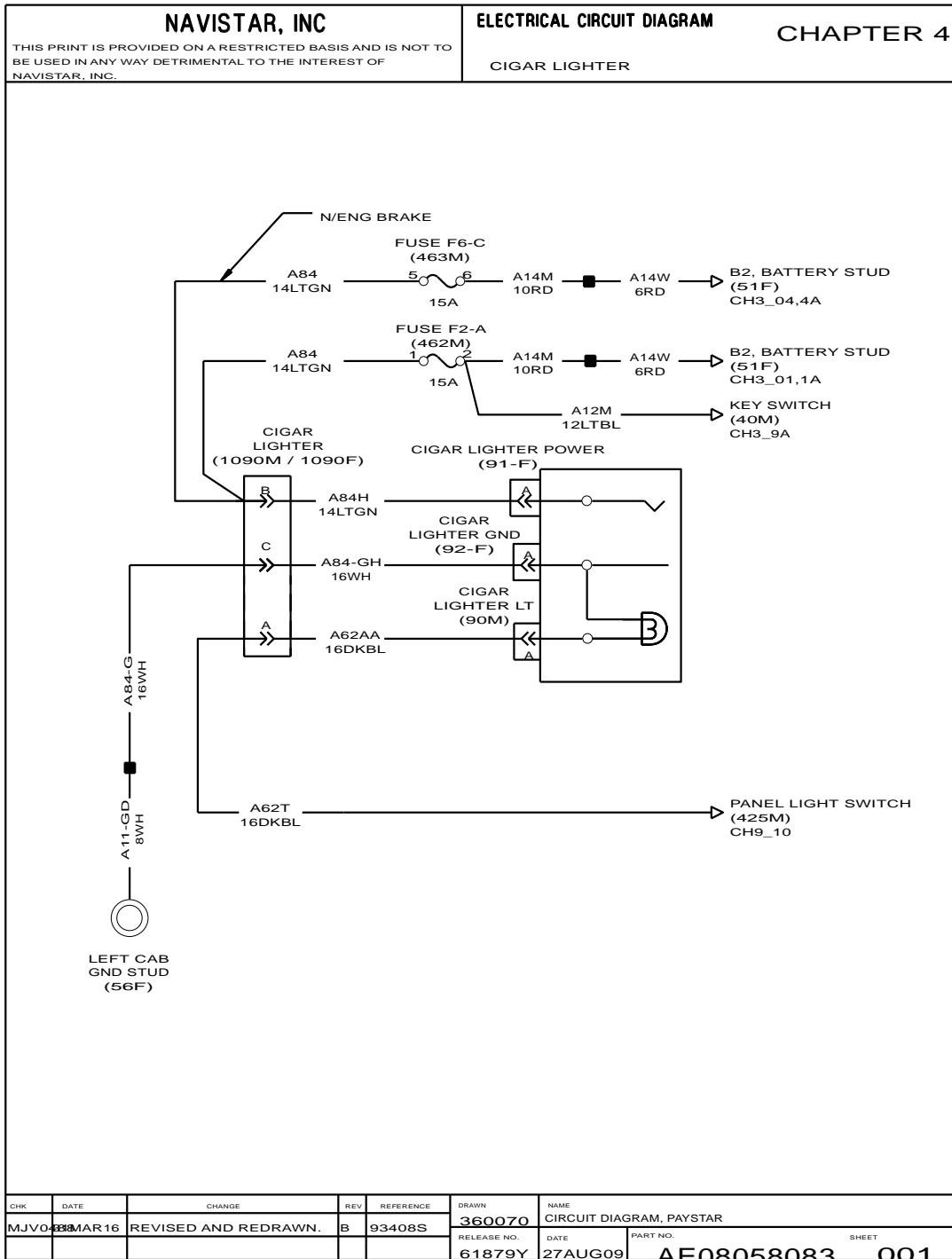


Figure 48 Cigar Lighter

4.2. ELECTRIC WINDOW – RIGHT AND LEFT, P. 2

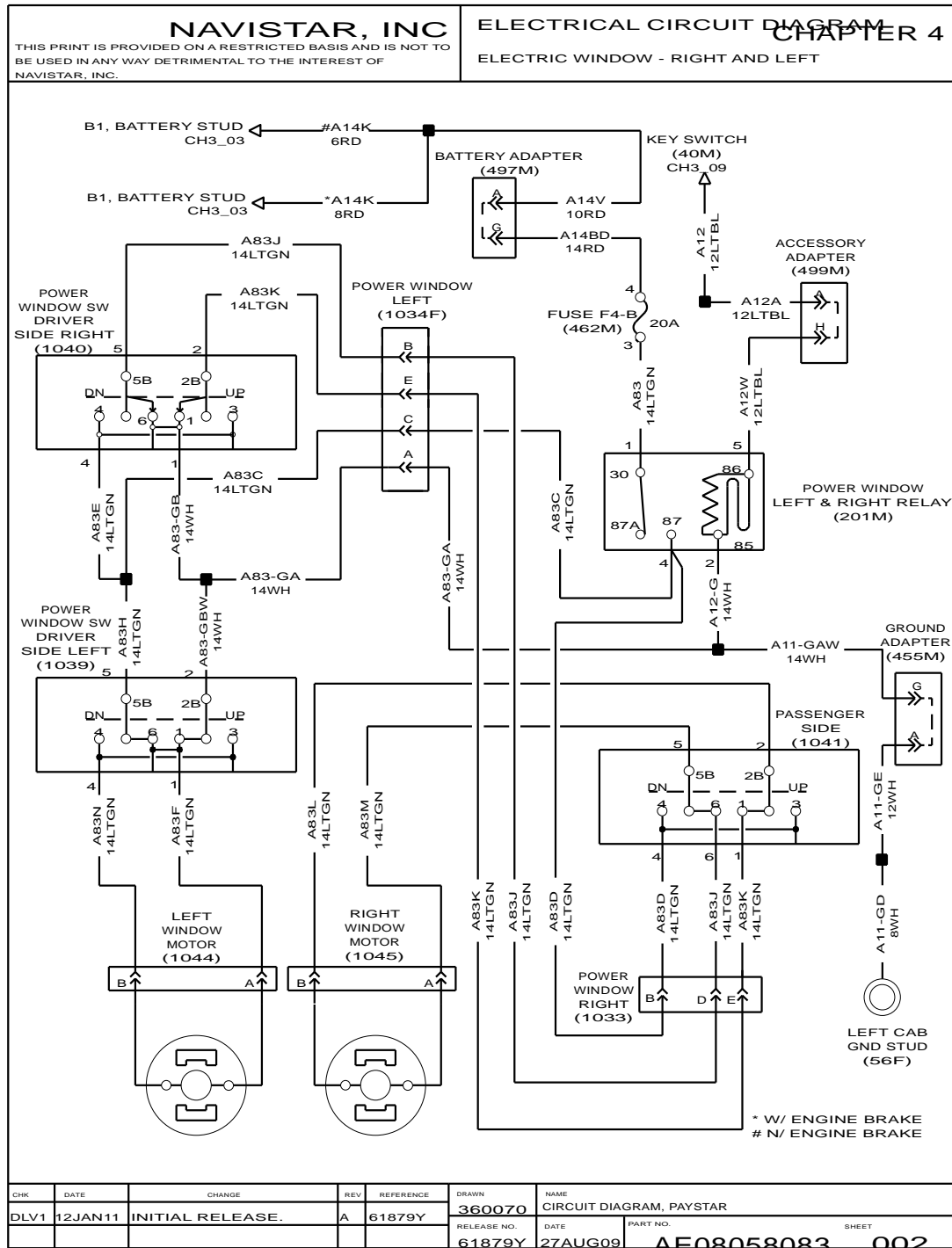


Figure 49 Electric Window – Right and Left

4.3. ELECTRIC WINDOW – RIGHT, P. 3

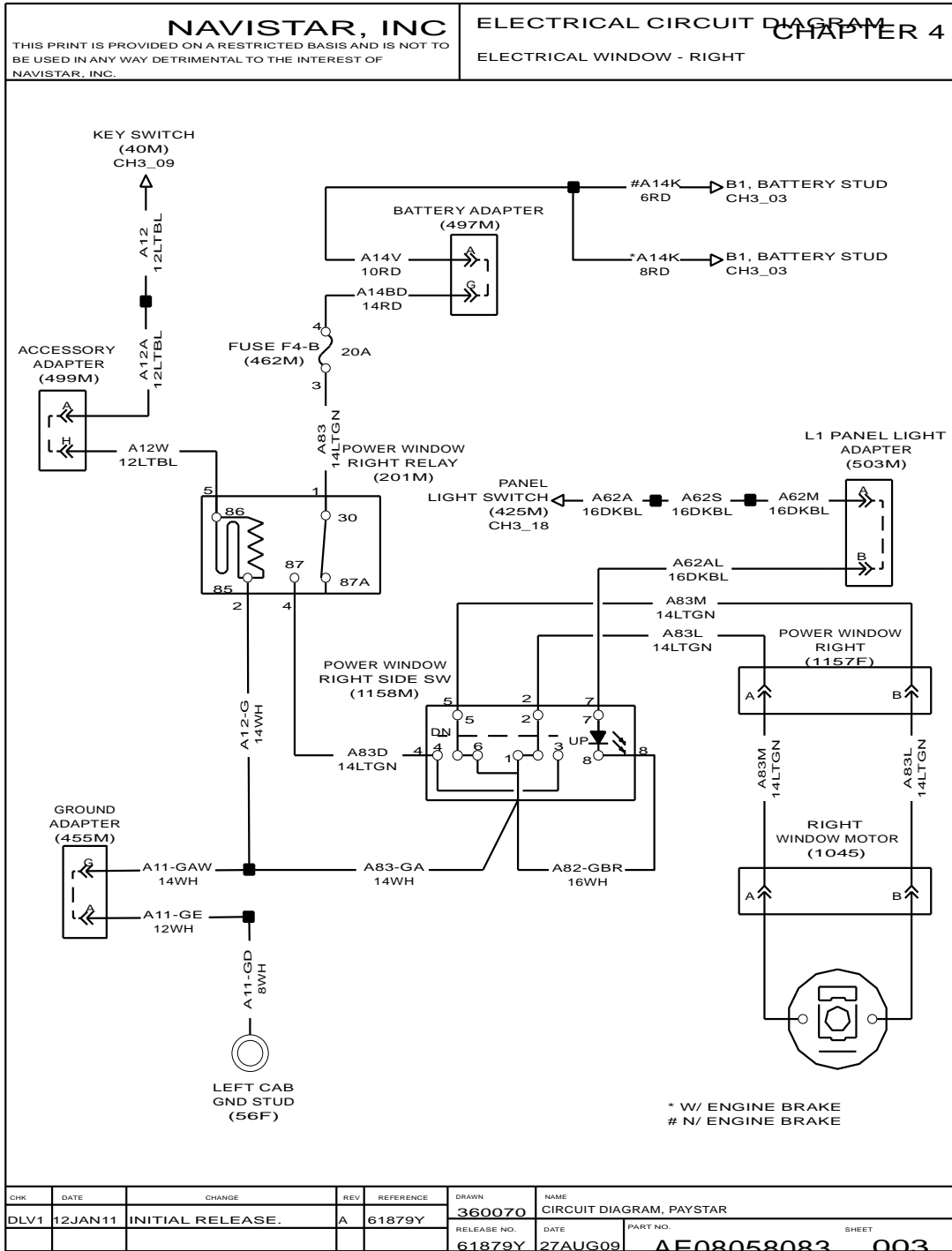


Figure 50 Electric Window – Right

4.4. DEFROSTER FAN(S), P. 4

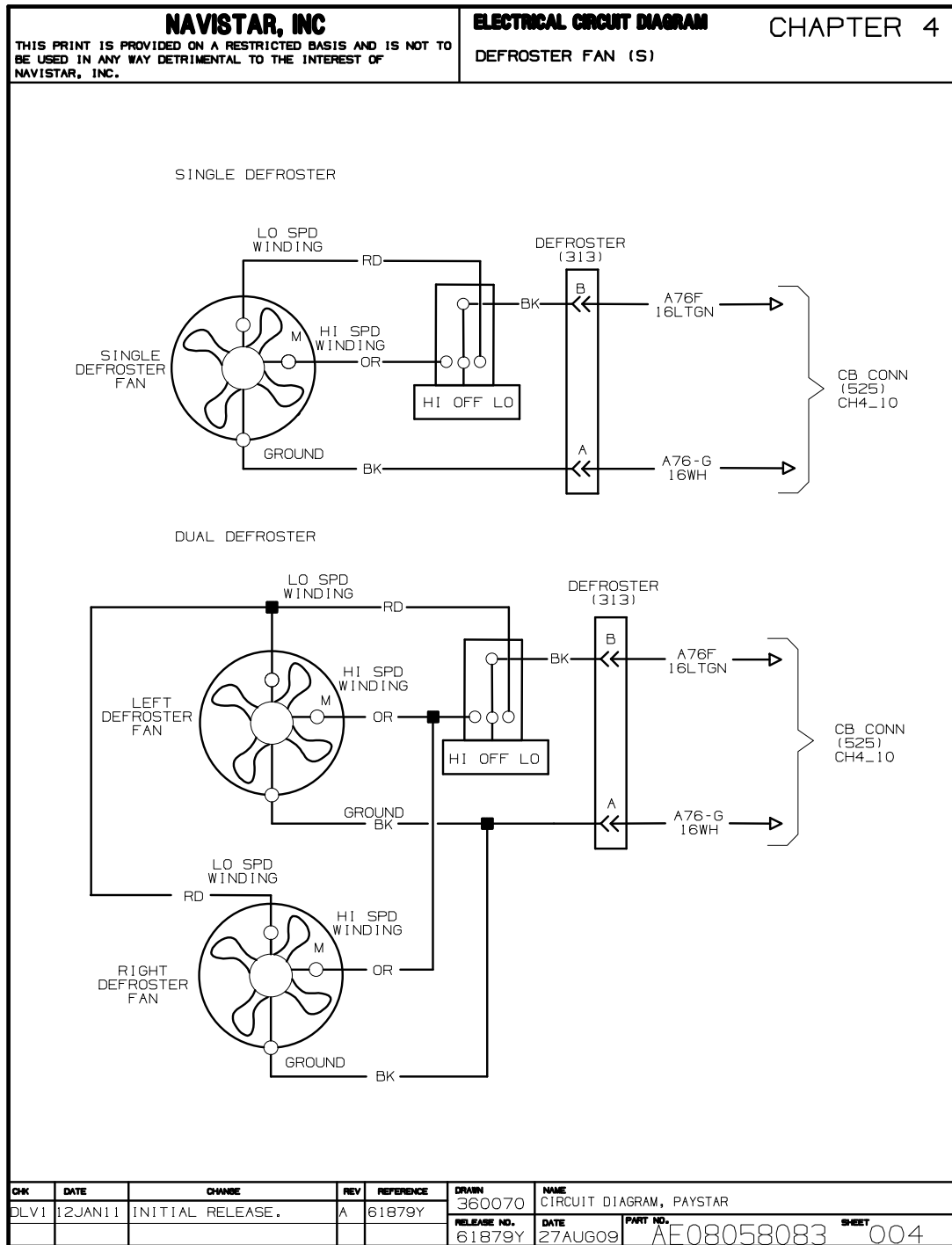


Figure 51 Defroster Fan(s)

4.5. HORN, P. 5

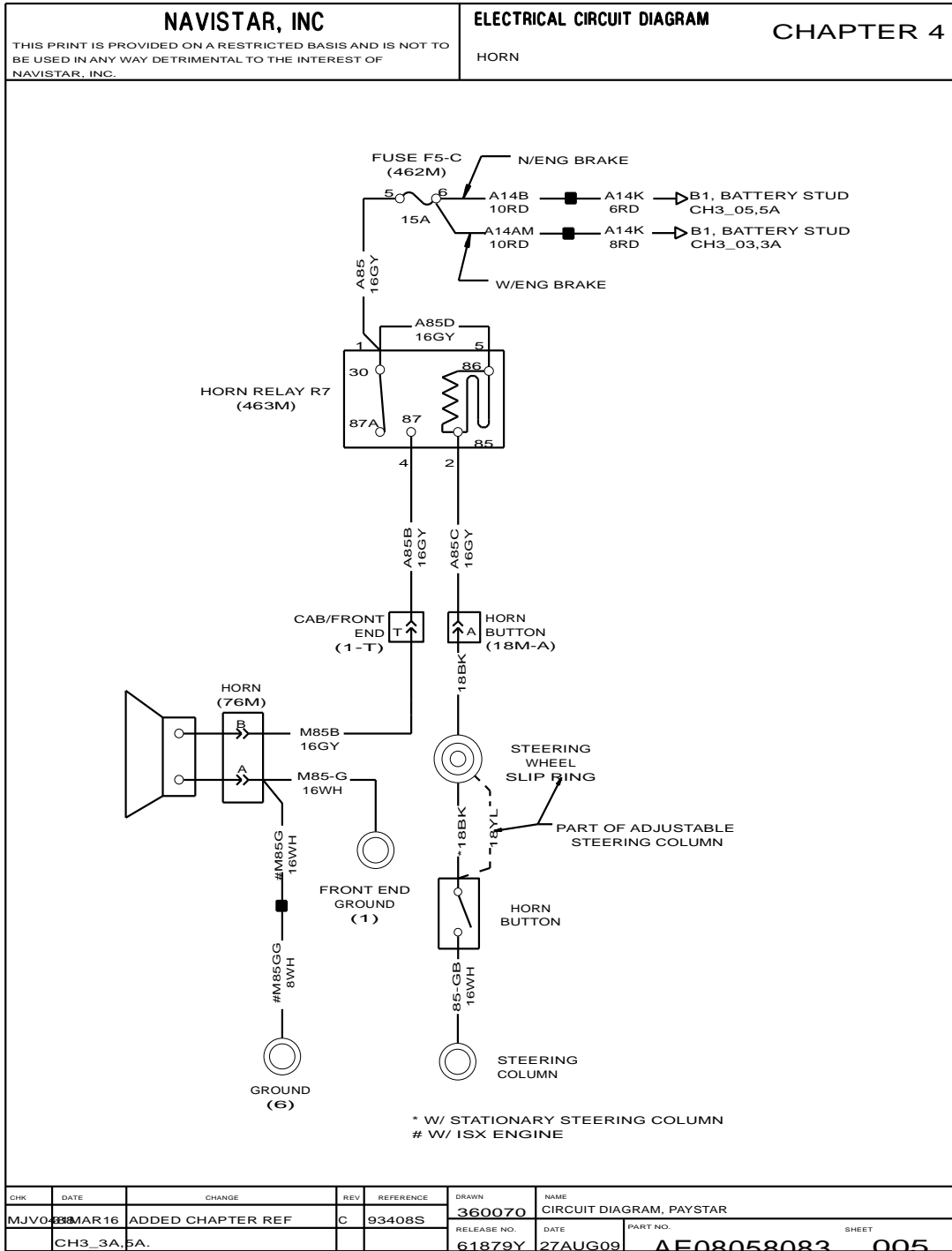


Figure 52 Horn

4.6. MIRROR LIGHTS AND HEATED MIRRORS, P. 6

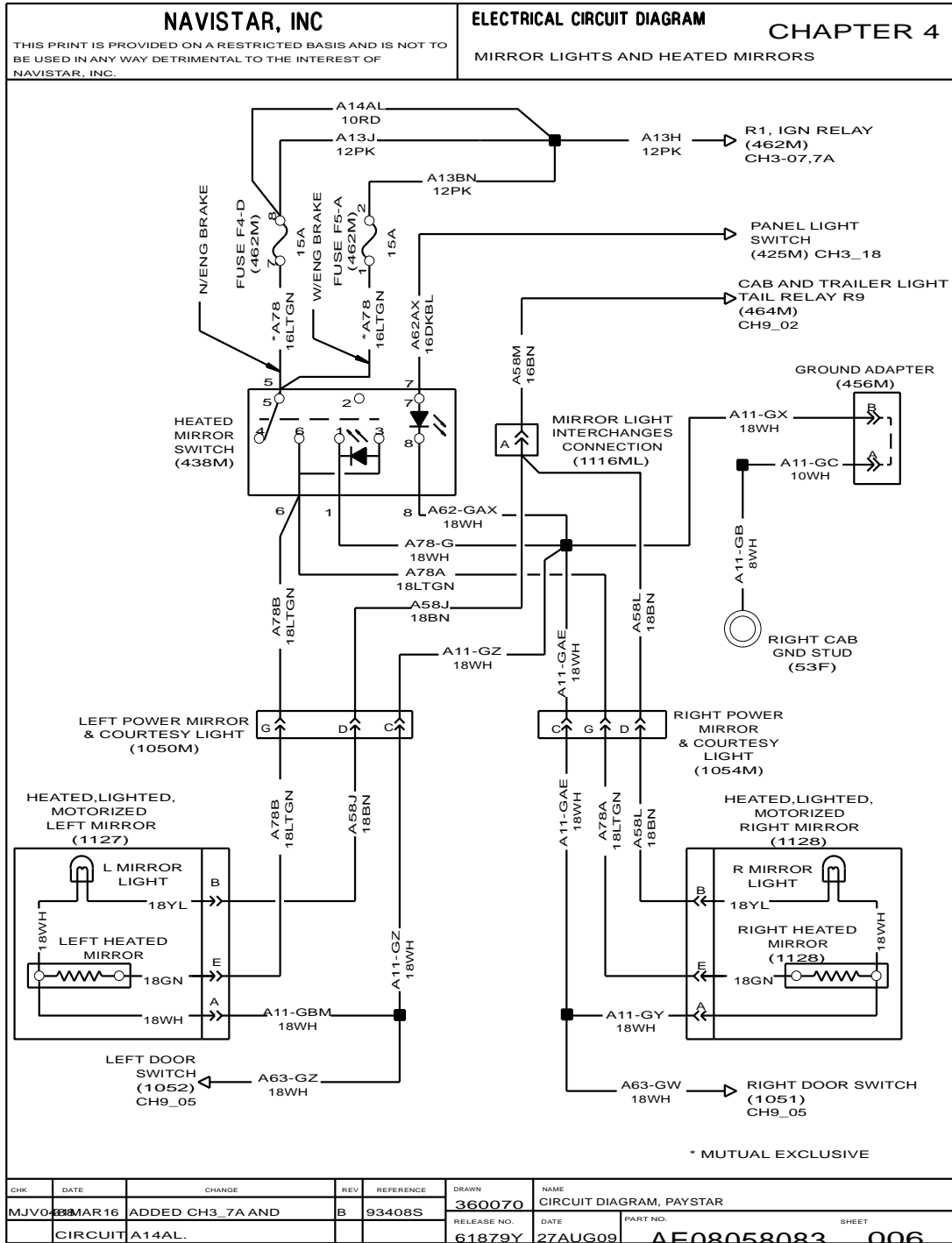


Figure 53 Mirror Lights and Heated Mirrors

4.7. LEFT AND RIGHT MOTORIZED MIRRORS, P. 7

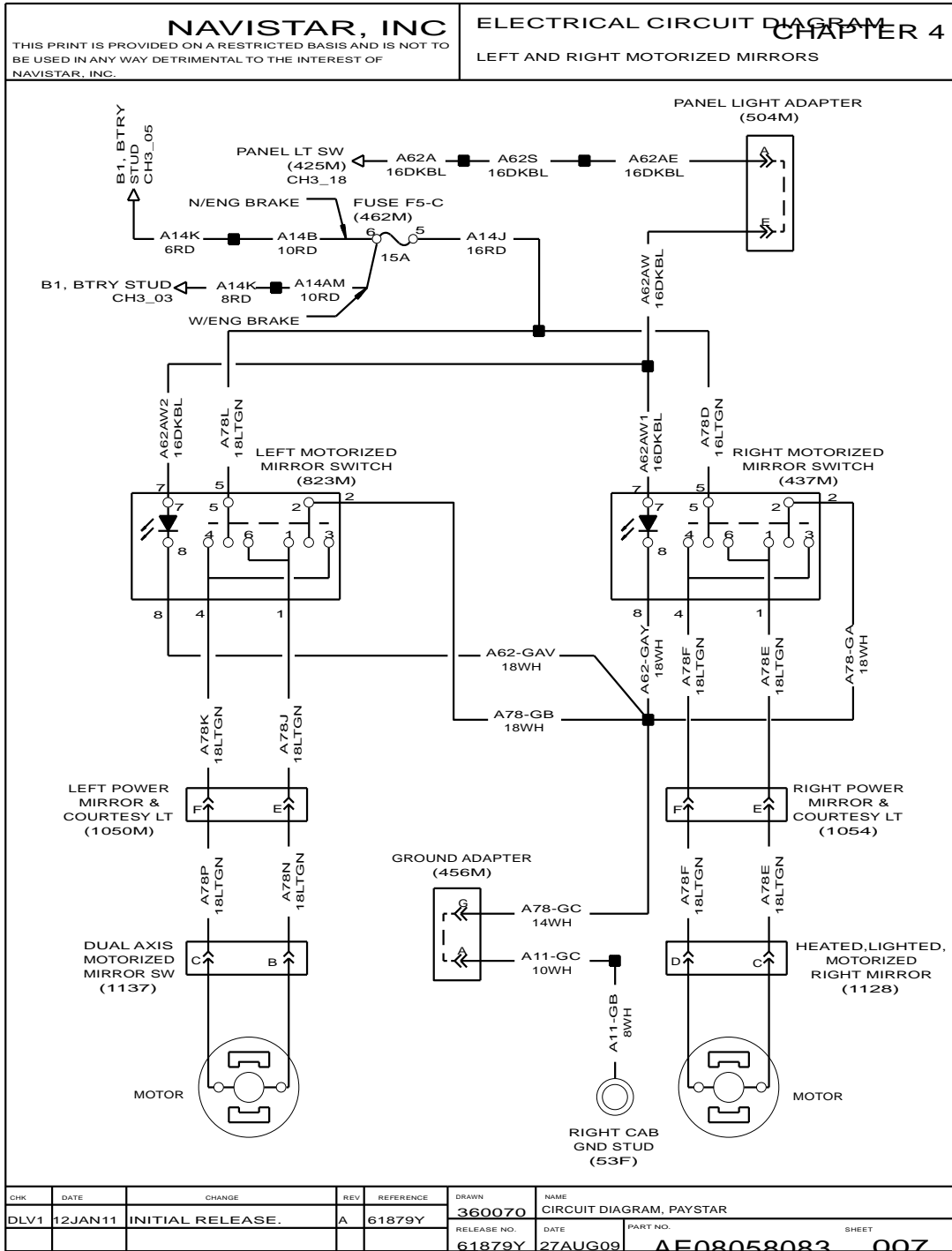


Figure 54 Left and Right Motorized Mirrors

4.8. DUAL AXIS MOTORIZED MIRRORS, P. 8

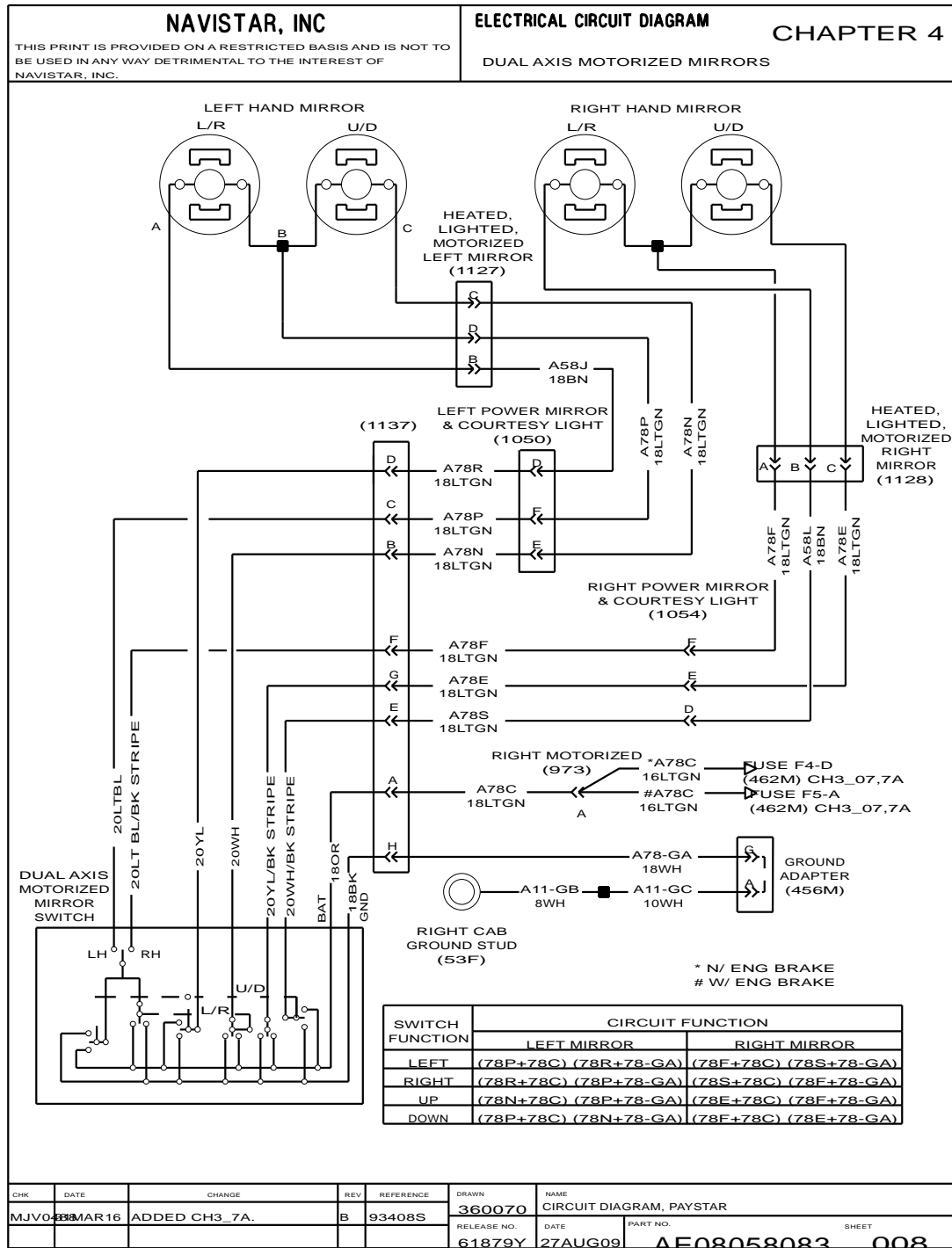


Figure 55 Dual Axis Motorized Mirrors

4.9. POWER SOURCE (CB), P. 9

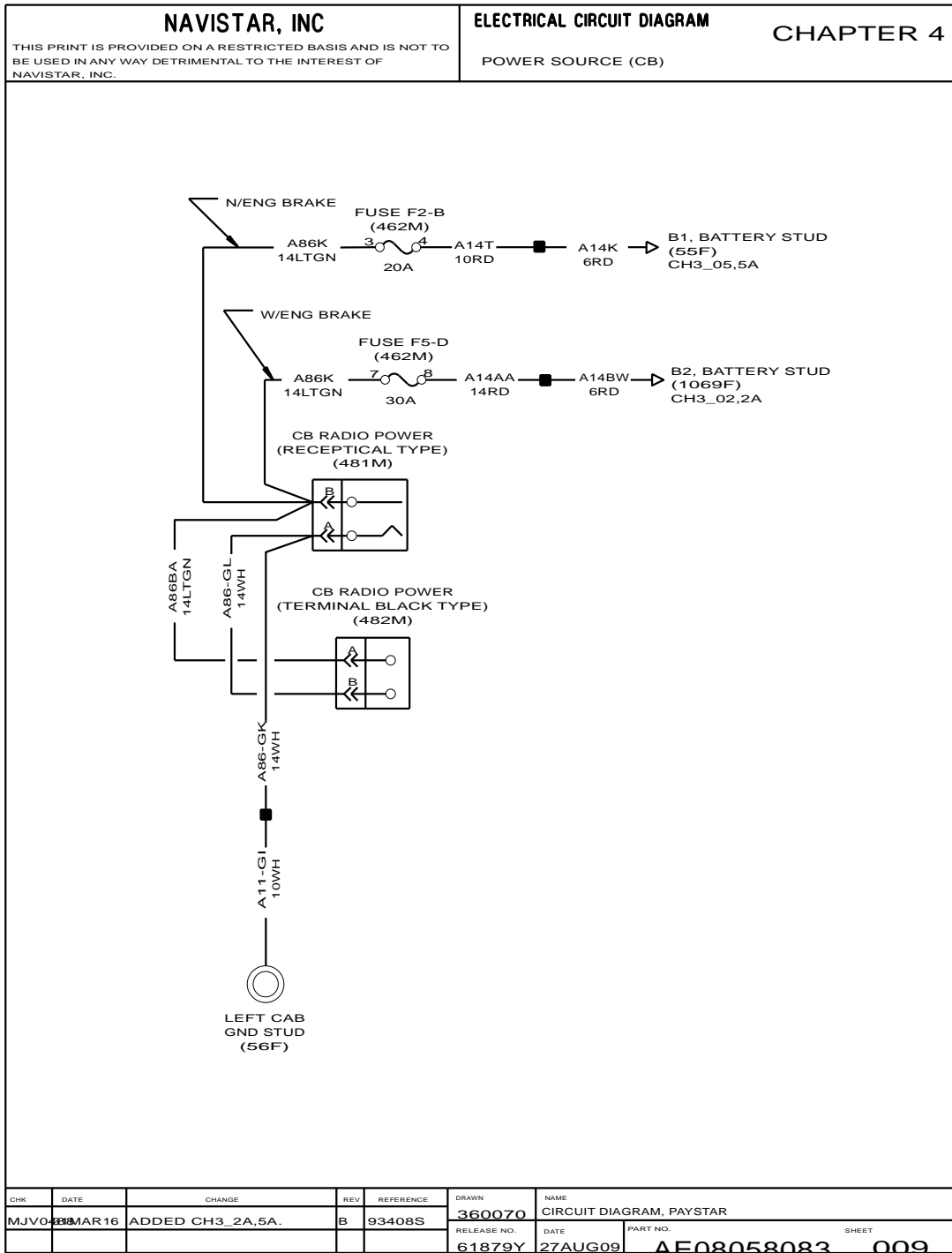


Figure 56 Power Source (CB)

4.10. RADIO - CB ACCOMMODATION PACKAGE, P. 10

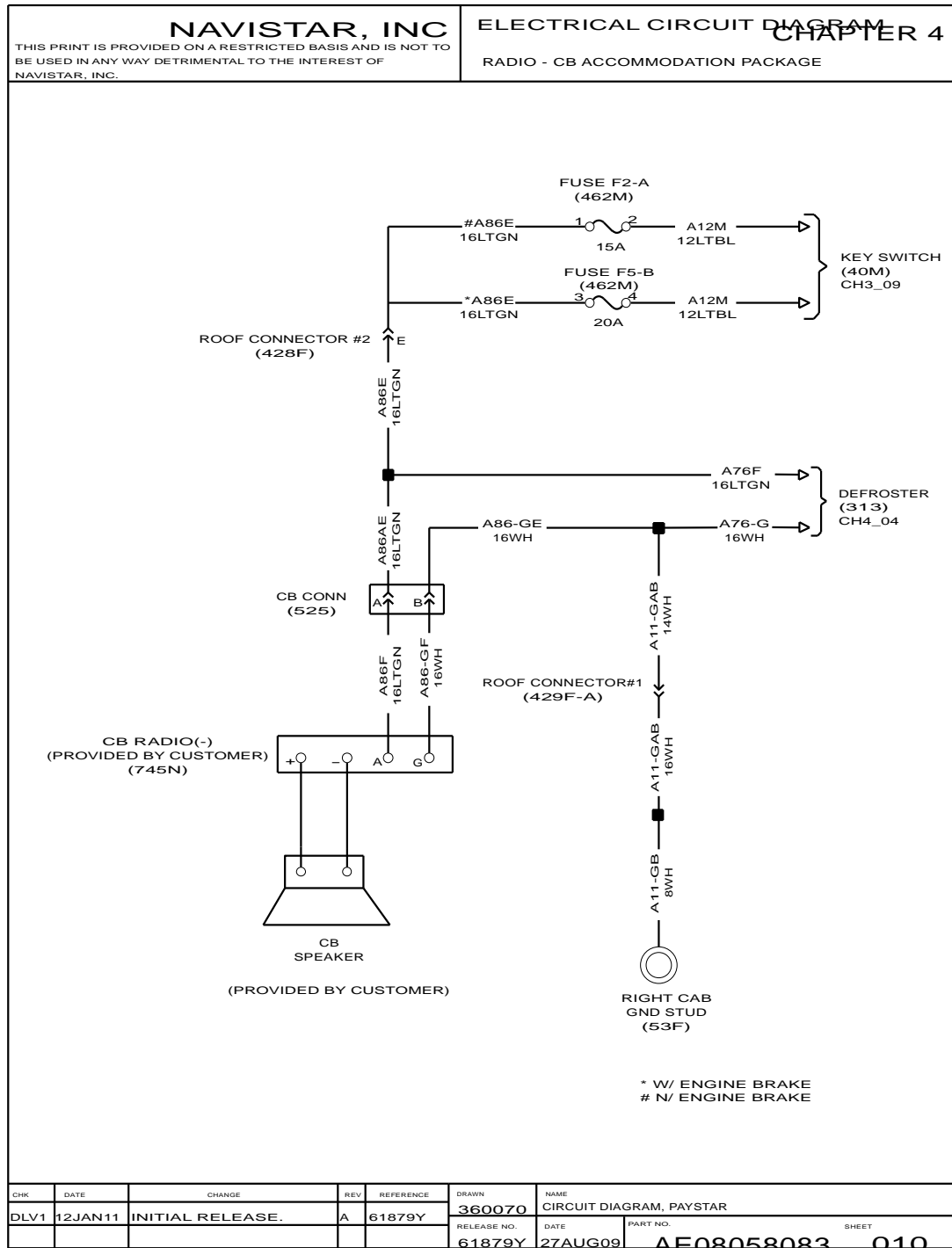


Figure 57 Radio - CB Accommodation Package

4.11. RADIO – CAB SPEAKERS, P. 11

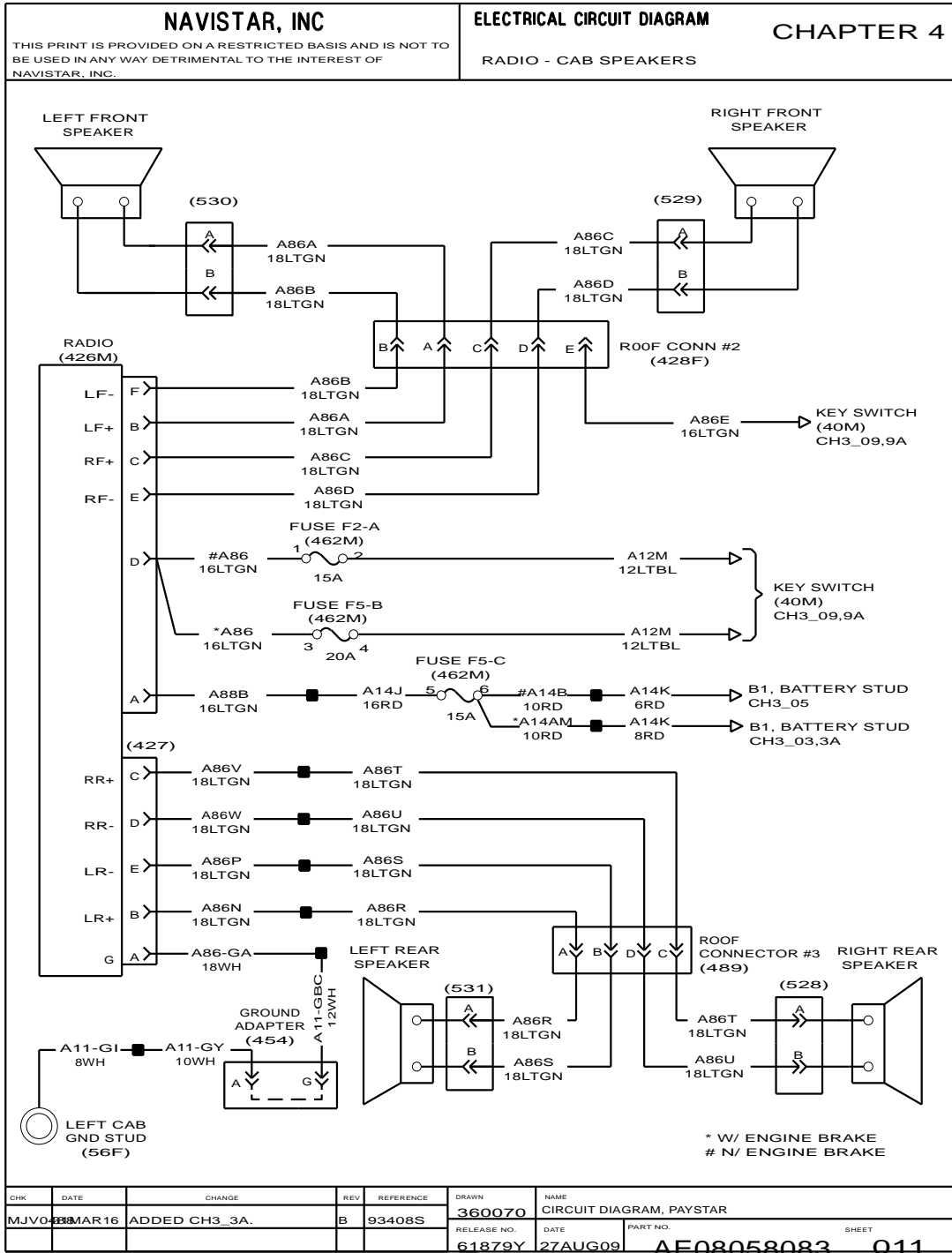


Figure 58 Radio – Cab Speakers

4.12. ELECTRIC LOCK – RIGHT AND LEFT, P. 12

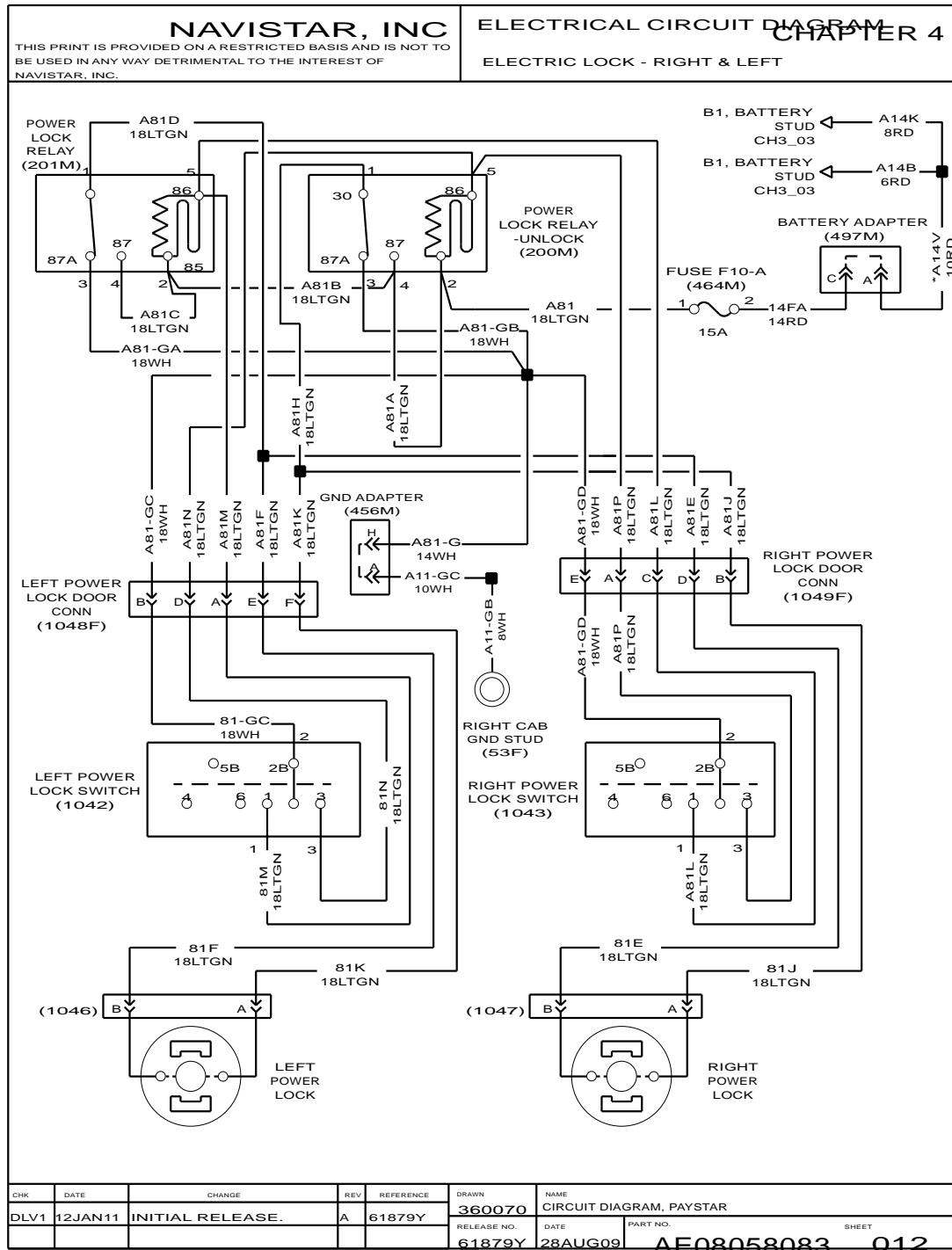


Figure 59 Electric Lock – Right and Left

4.13. TEMPERATURE / COMPASS DISPLAY, P. 13

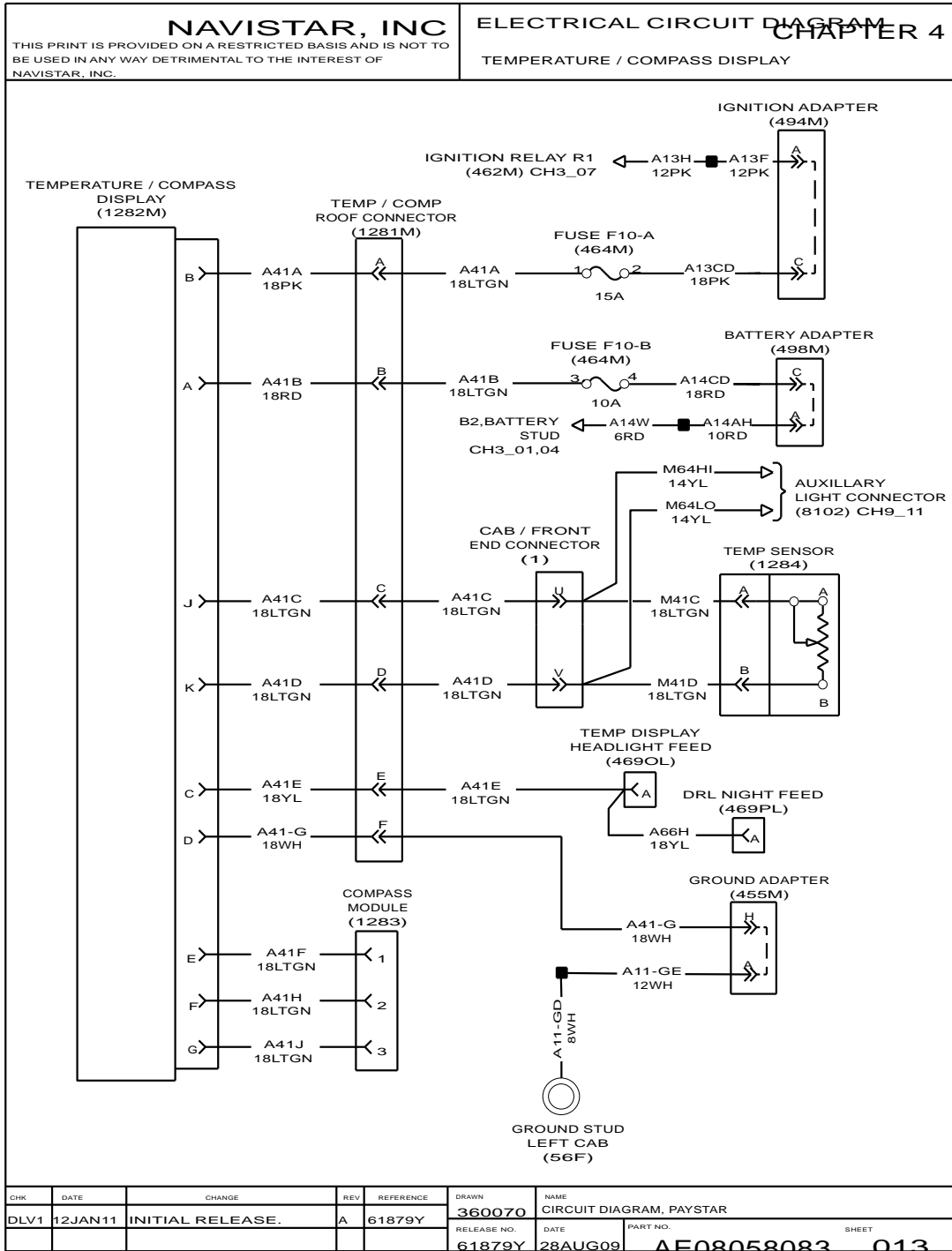


Figure 60 Temperature / Compass Display

4.14. ROAD RELAY IV, P. 14

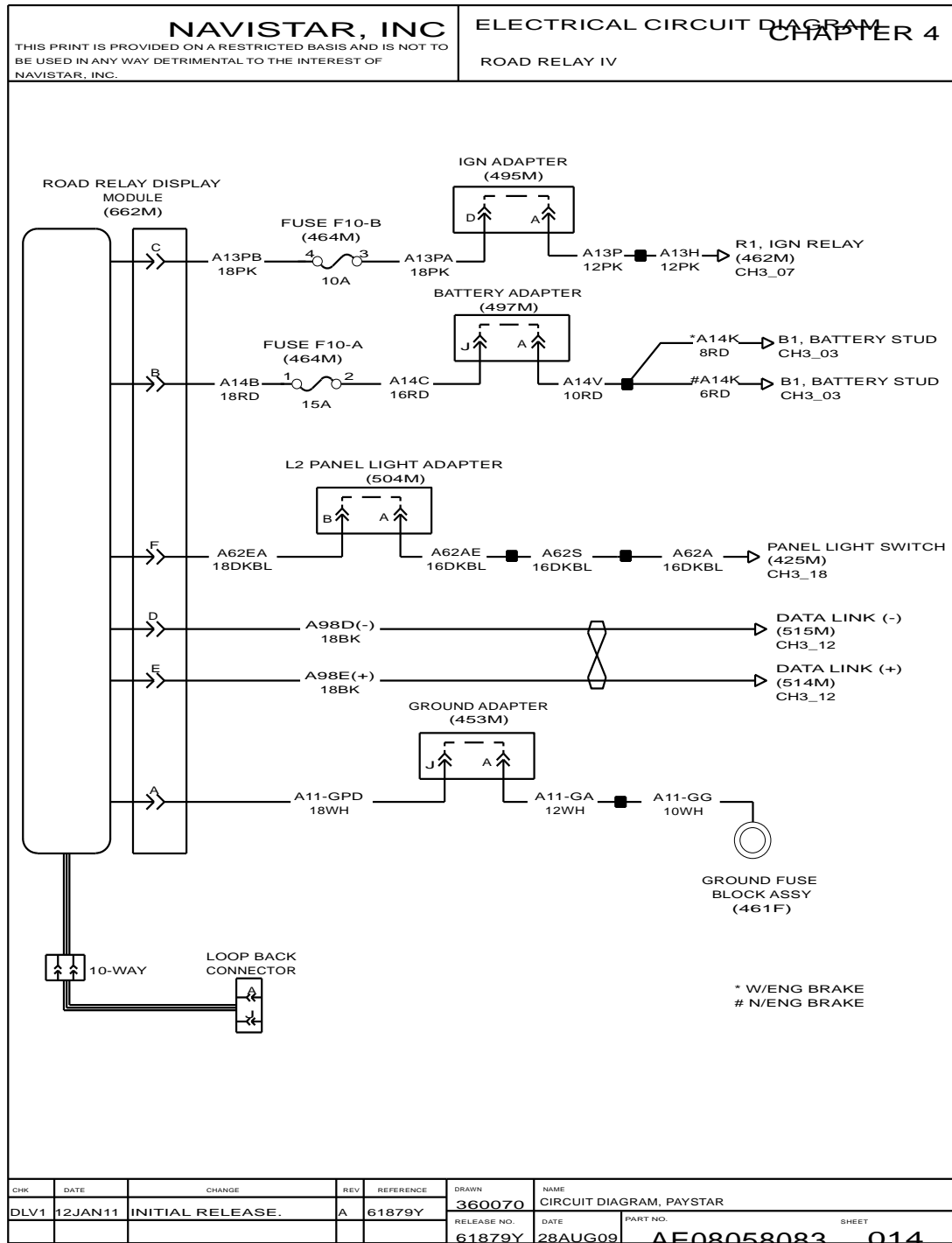


Figure 61 Road Relay IV

4.15. HEATED SEAT – DRIVER, P. 15

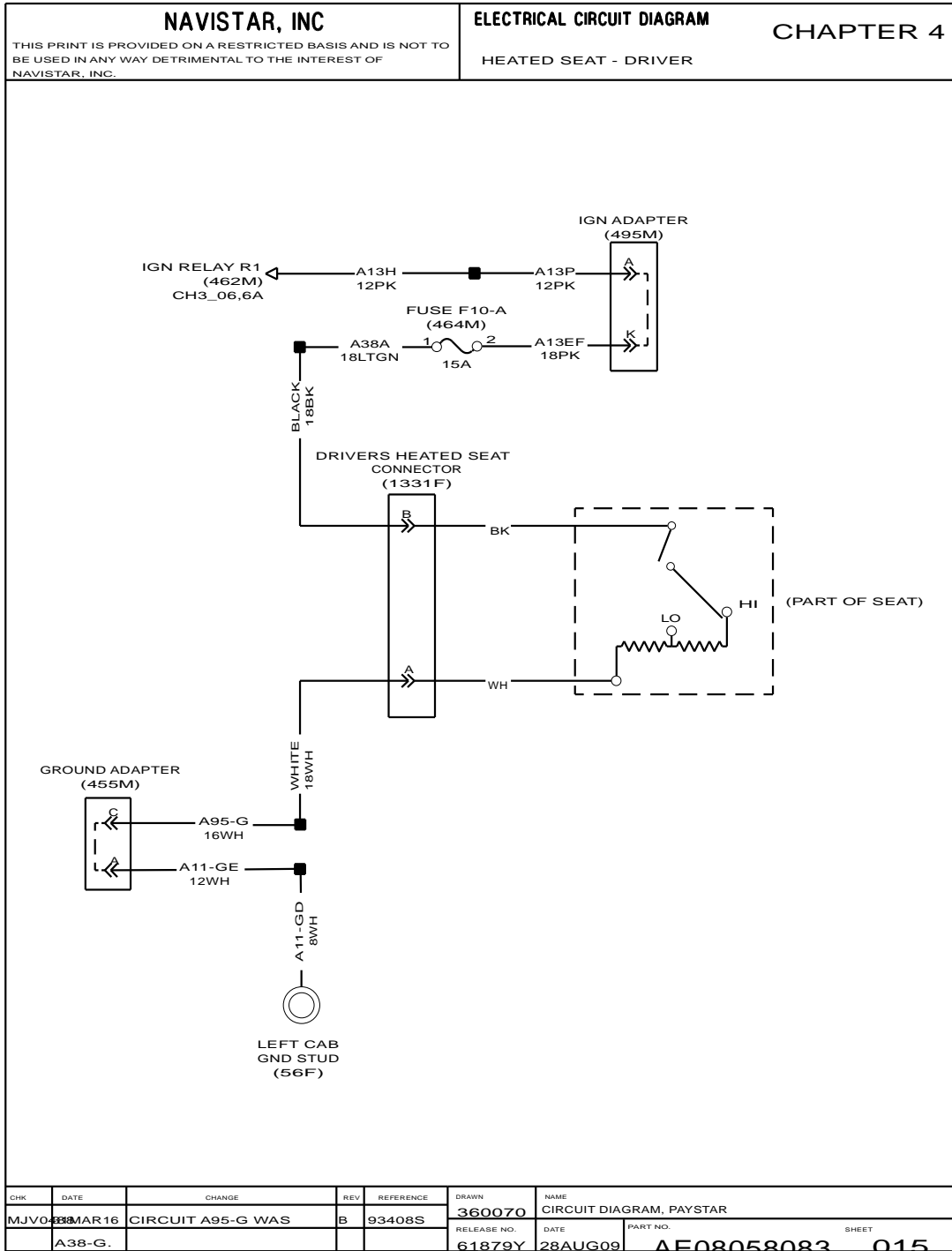


Figure 62 Heated Seat – Driver

4.16. HEATED SEAT – PASSENGER, P. 16

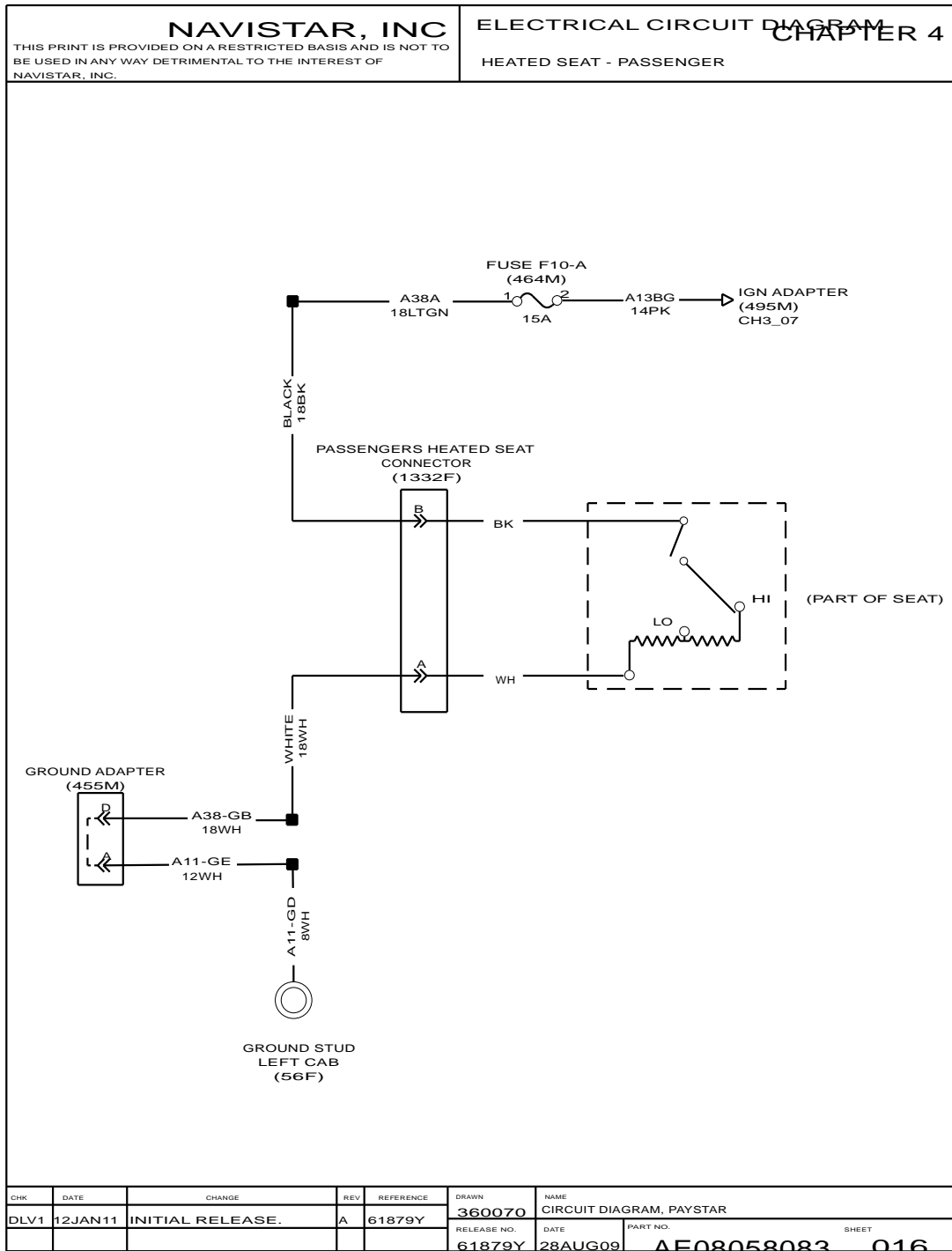


Figure 63 Heated Seat – Passenger

4.17. ELECTRIC WINDSHIELD WIPER WITH INTERMITTENT WIPE AND WASH, P. 17

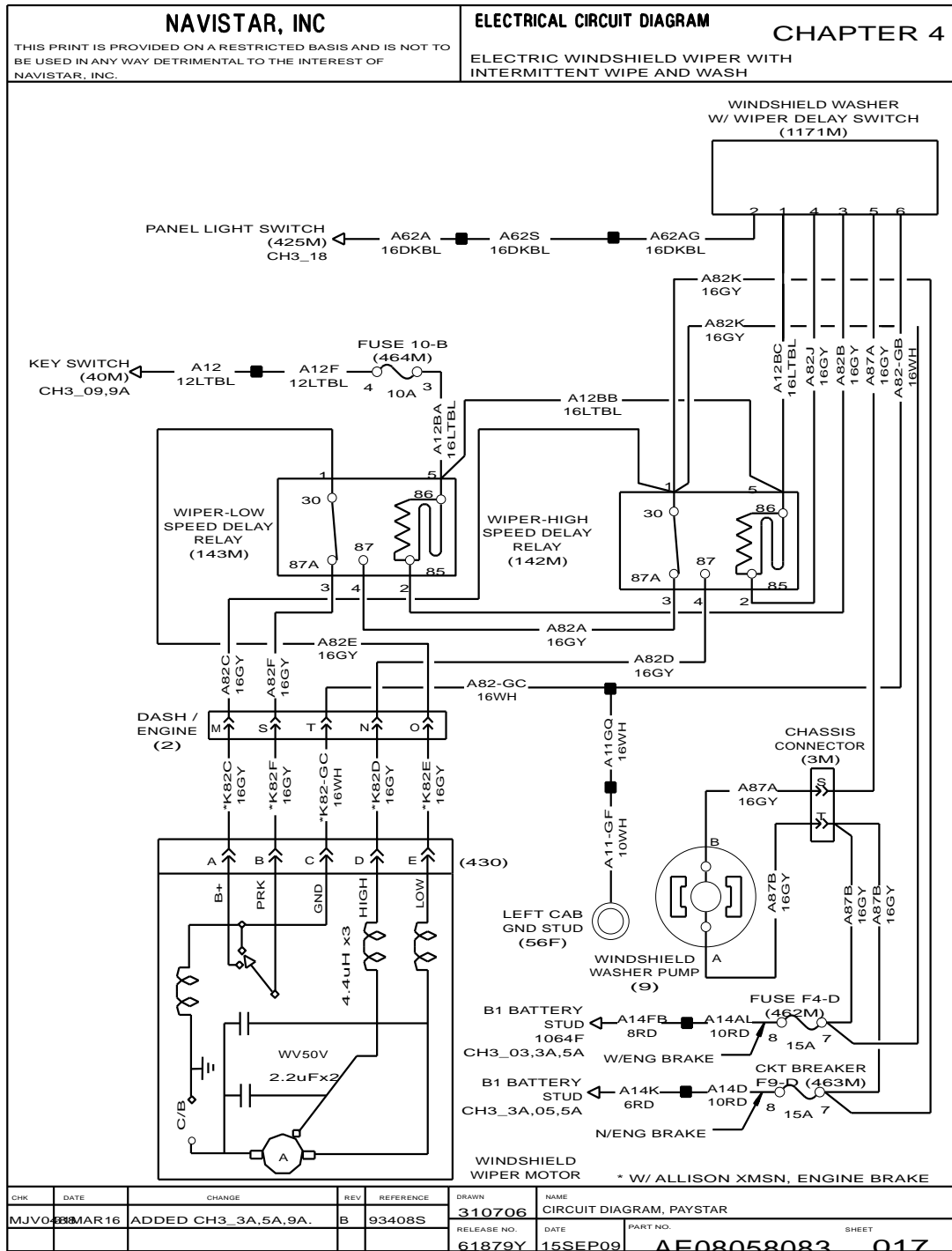


Figure 64 Electric Windshield Wiper with Intermittent Wipe and Wash

4.18. DEF GAUGE, P. 18

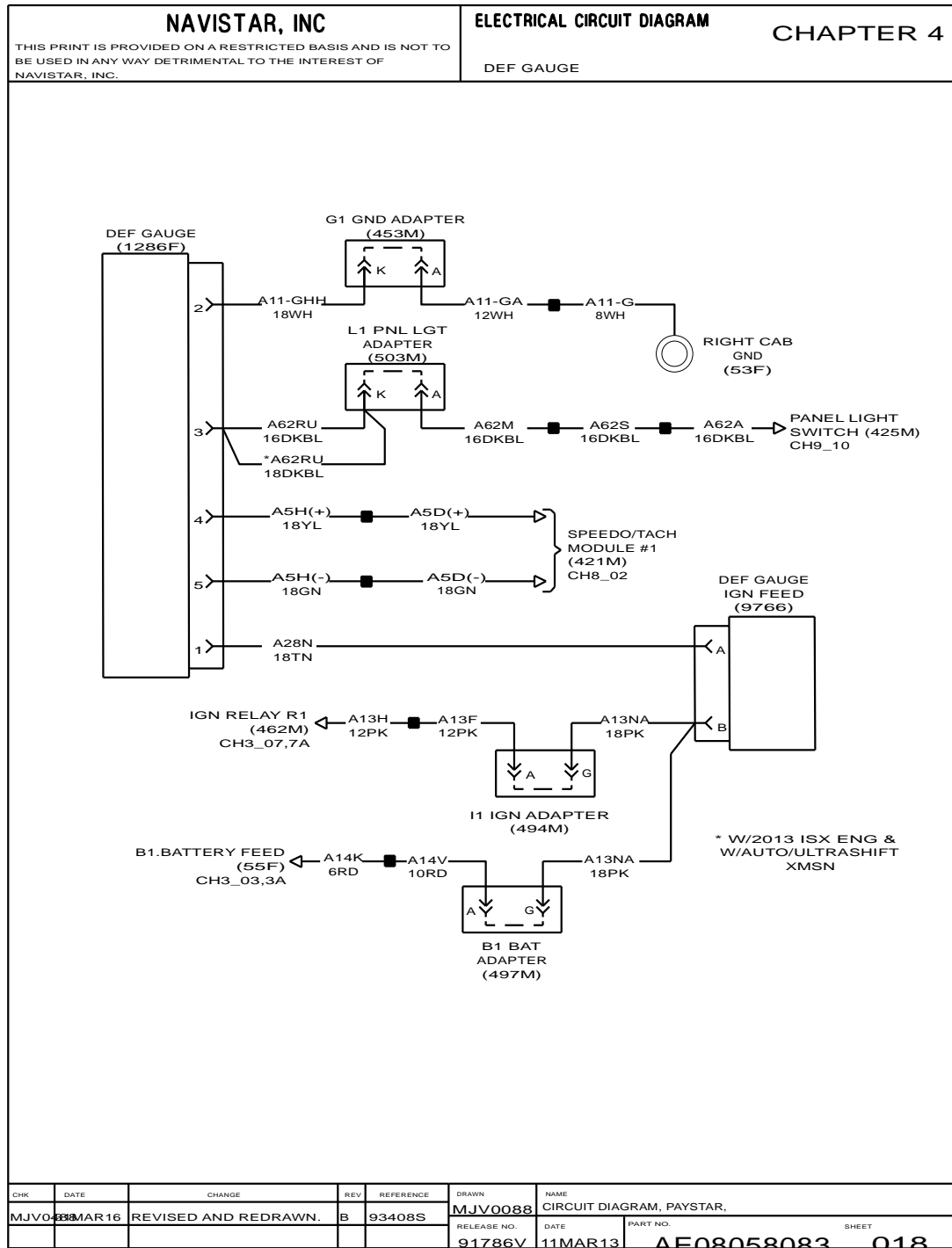


Figure 65 DEF Gauge

4.19. HEWITT MOTION SENSOR, P. 19

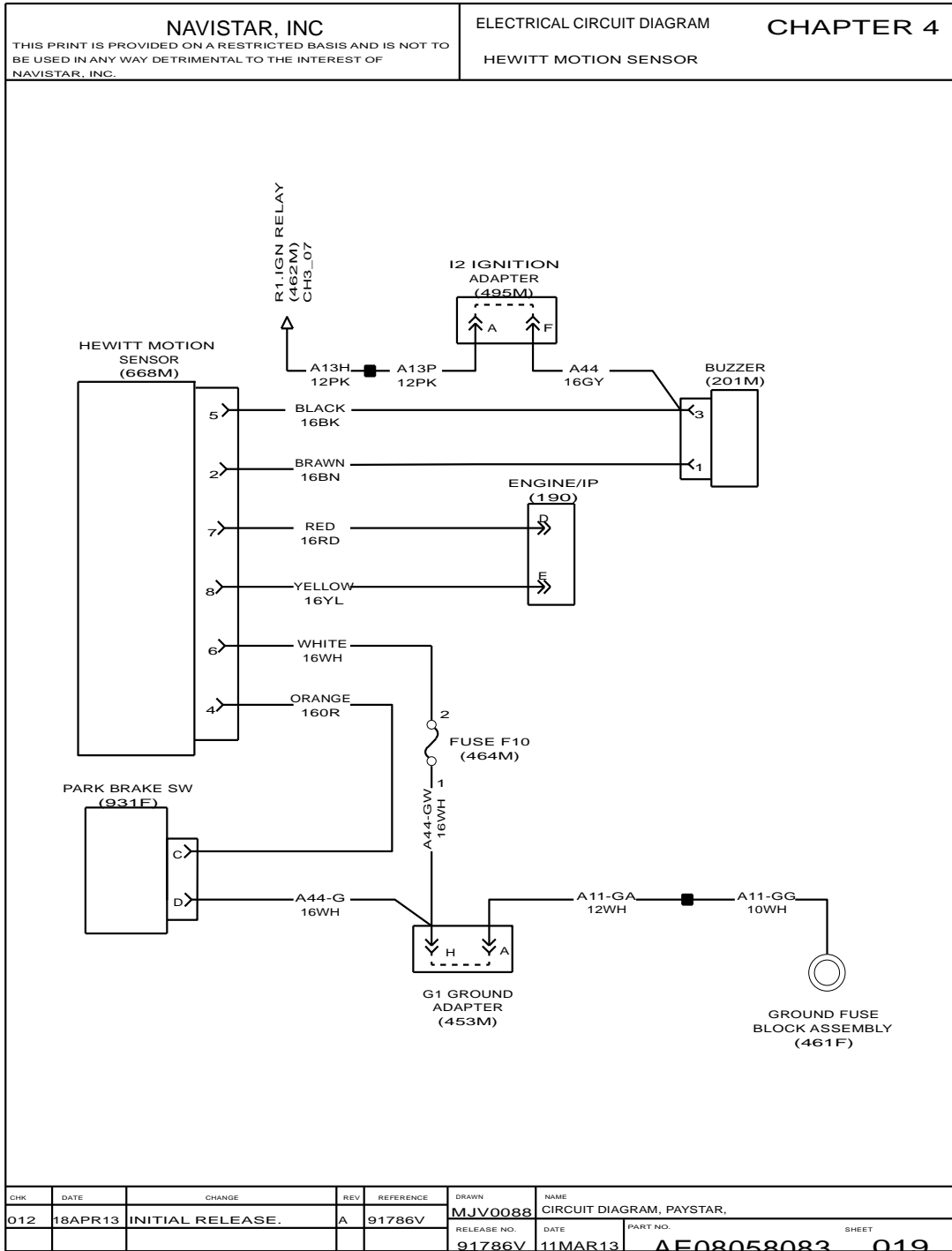


Figure 66 Hewitt Motion Sensor

CHARGING AND CRANKING (CHAPTER 5)

5.1. STARTER INTERLOCK WITH IBB ENGINES, P. 1

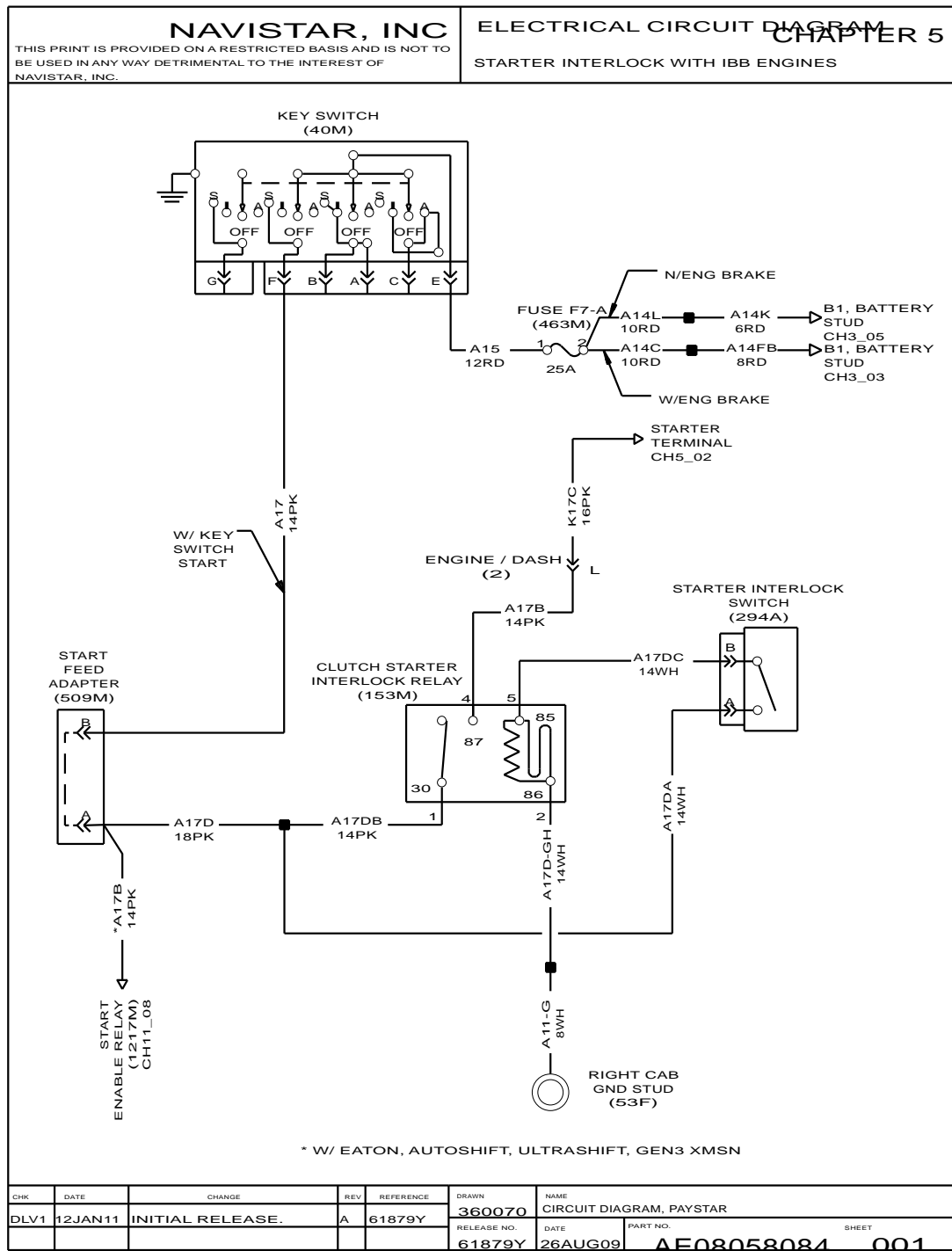


Figure 67 Starter Interlock with IBB Engines

5.2. STARTER INTERLOCK WITH IBB ENGINES WITH 500K BAUD RATE, P. 1A

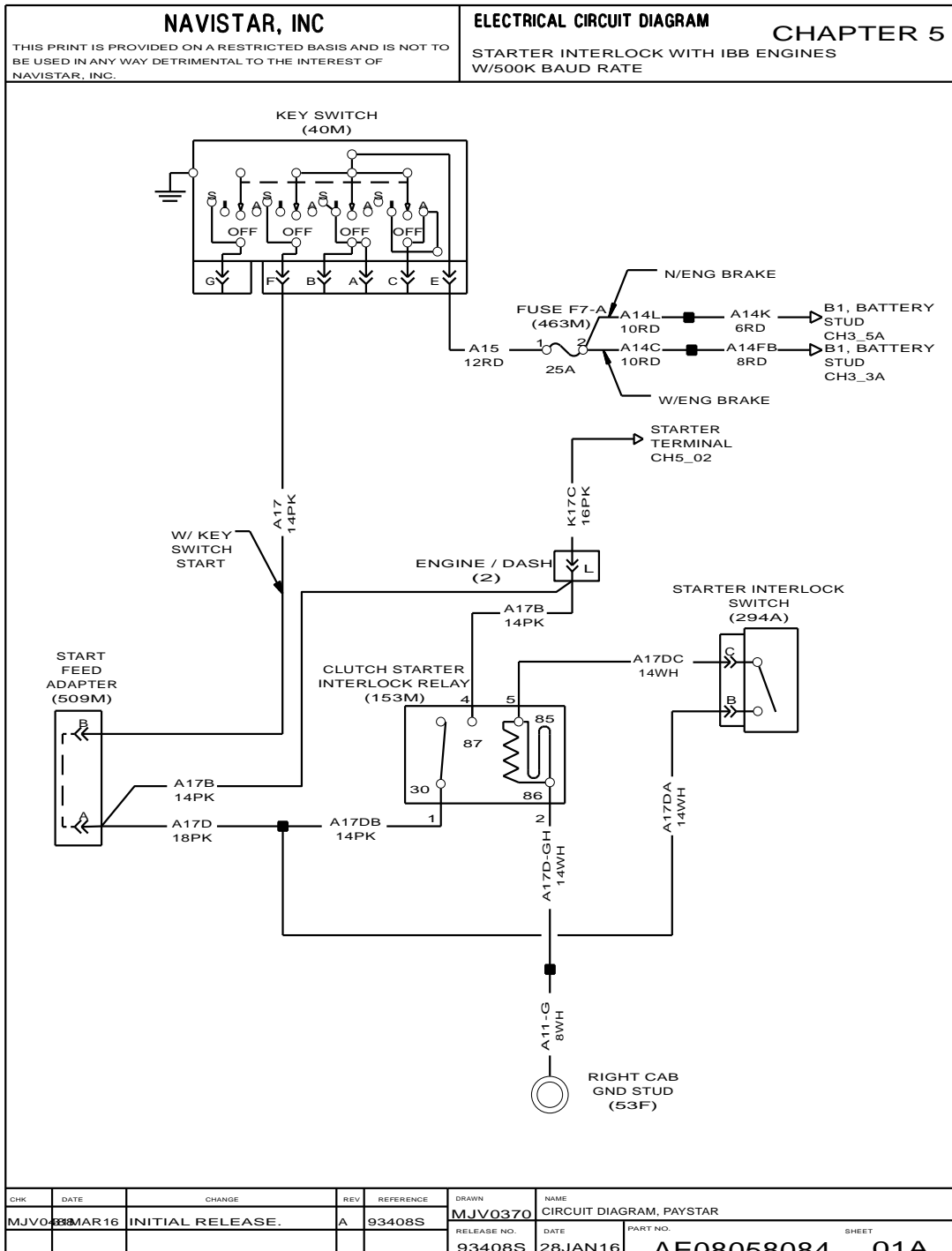


Figure 68 Starter Interlock with IBB Engines with 500K Baud Rate

5.3. STARTER INTERLOCK WITH IBB ENGINES, P. 2

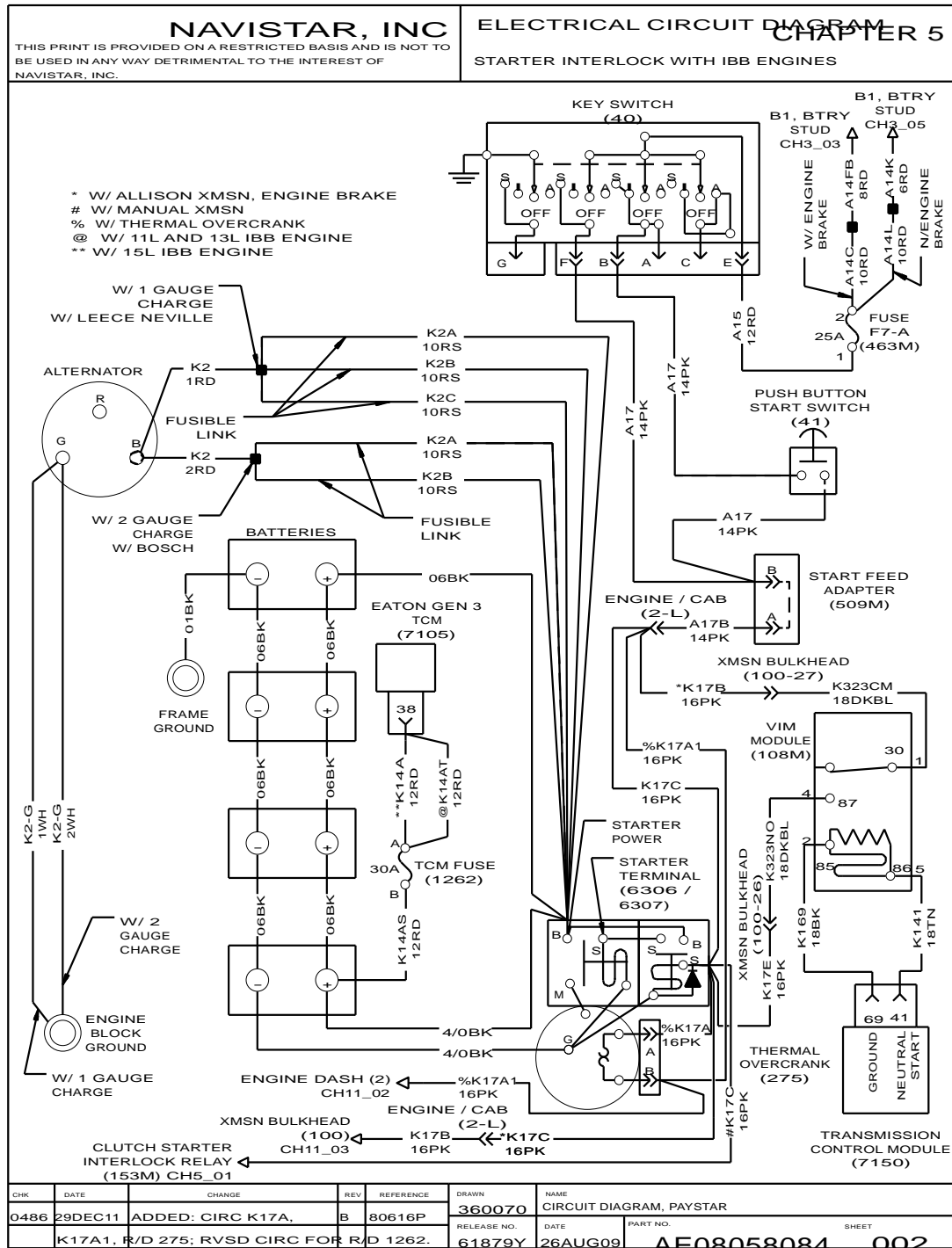


Figure 69 Starter Interlock with IBB Engines

5.4. STARTER INTERLOCK WITH IBB ENGINES, P. 2A

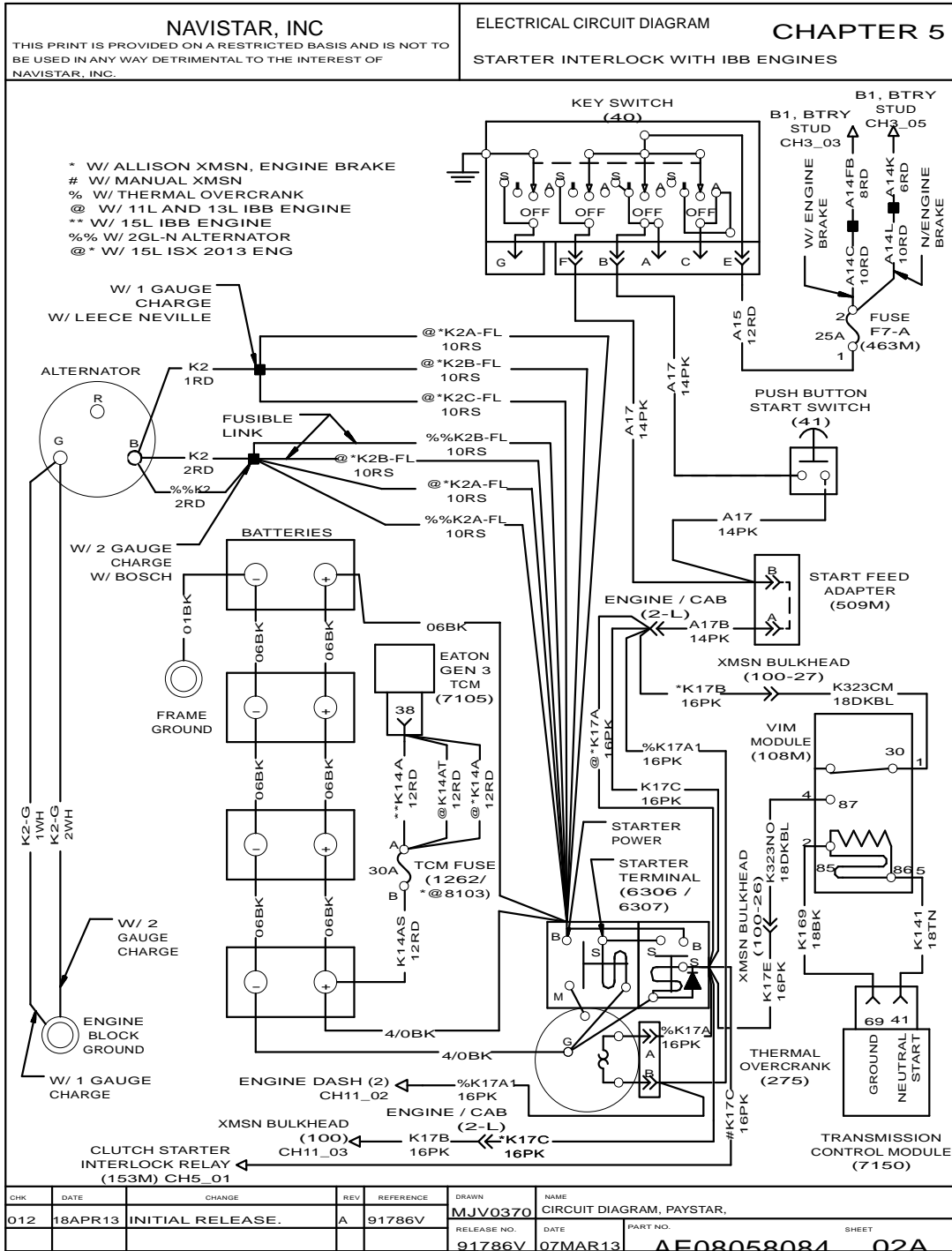


Figure 70 Starter Interlock with IBB Engines

FANS WIRING (CHAPTER 6)

6.1. FAN WIRING – IBB ENGINE, P. 1

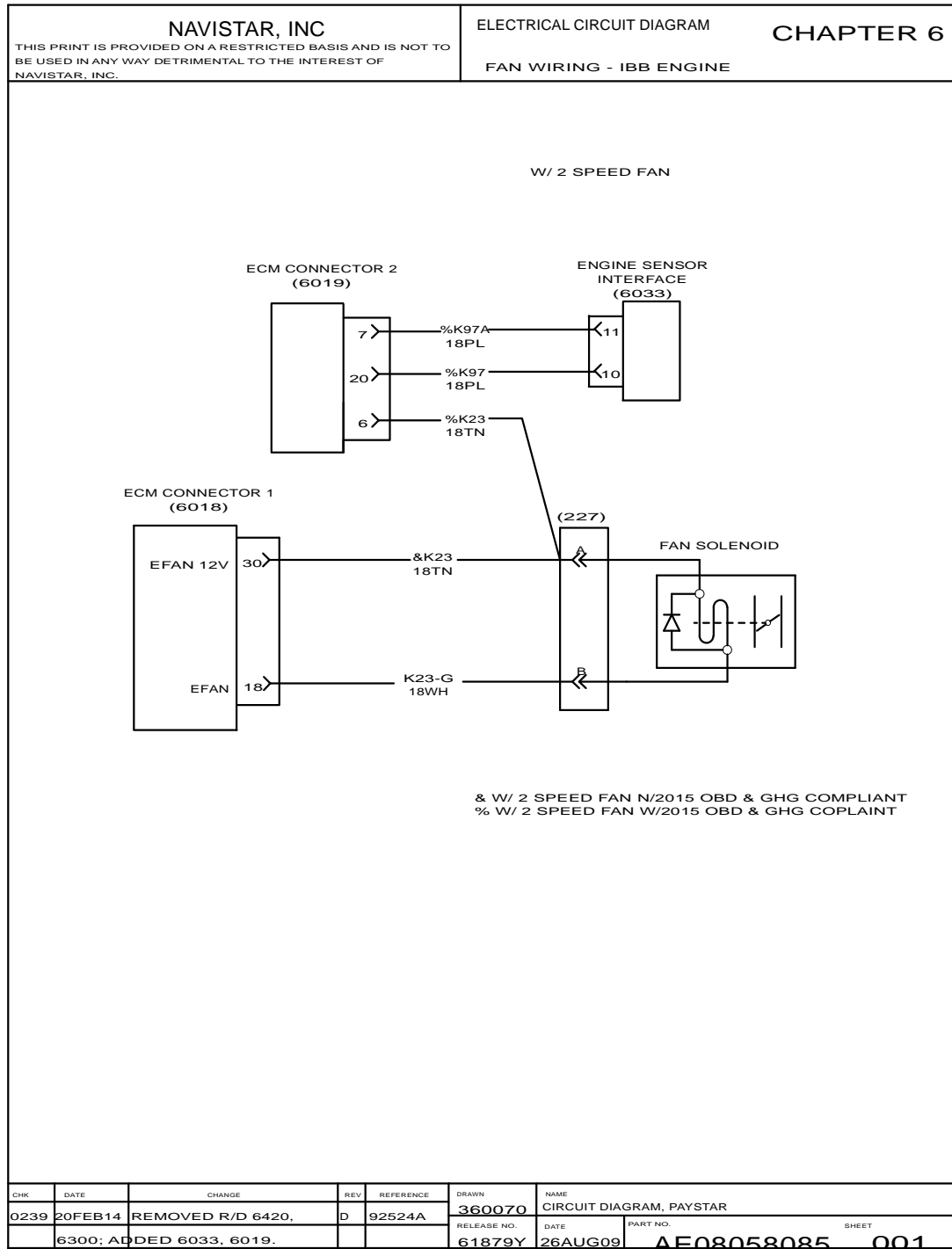


Figure 71 Fan Wiring – IBB Engine

6.2. FAN WIRING – IBB ENGINE (CONT.), P. 1A

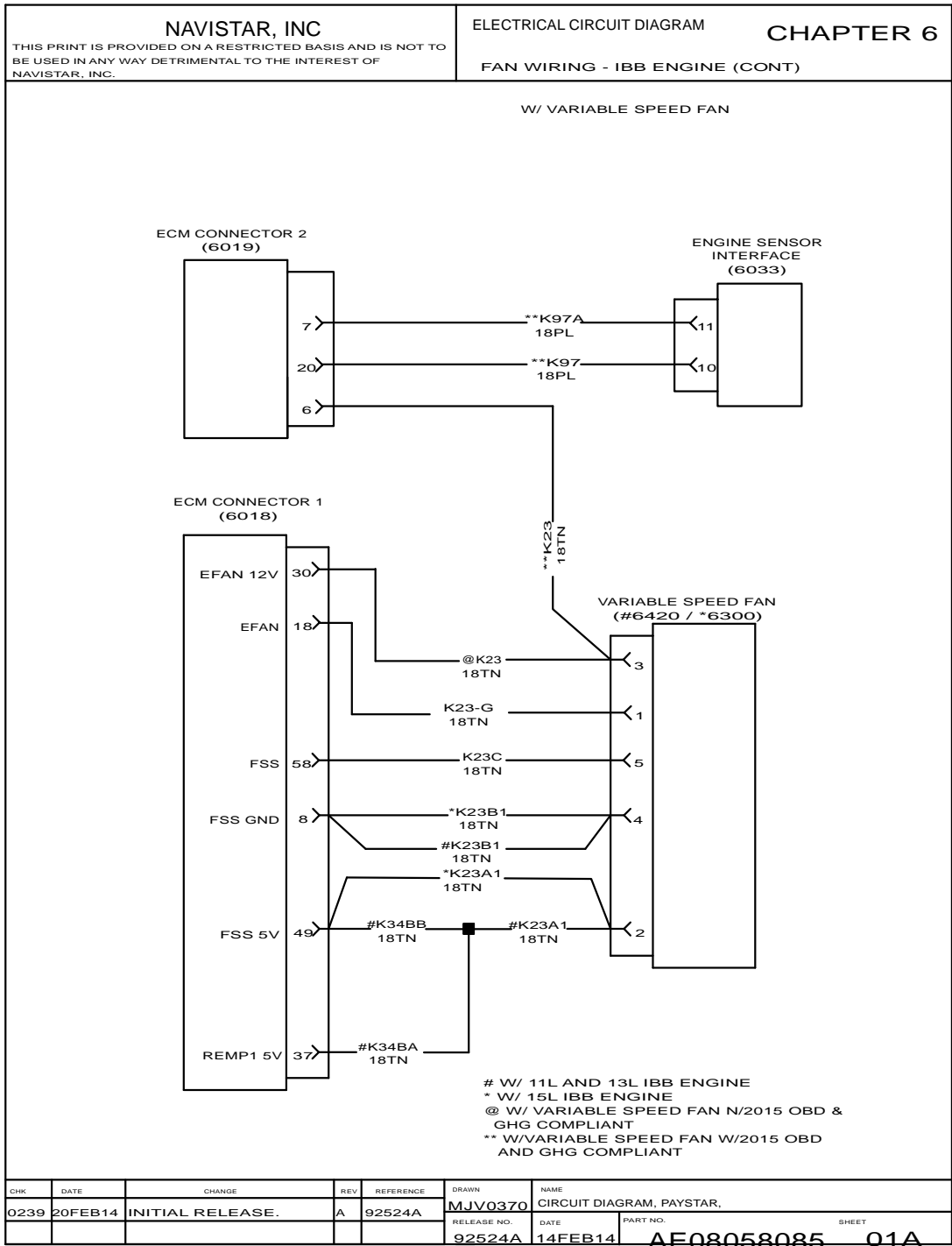


Figure 72 Fan Wiring – IBB Engine (Cont.)

6.3. FAN WIRING – IBB ENGINE (CONT.), P. 2

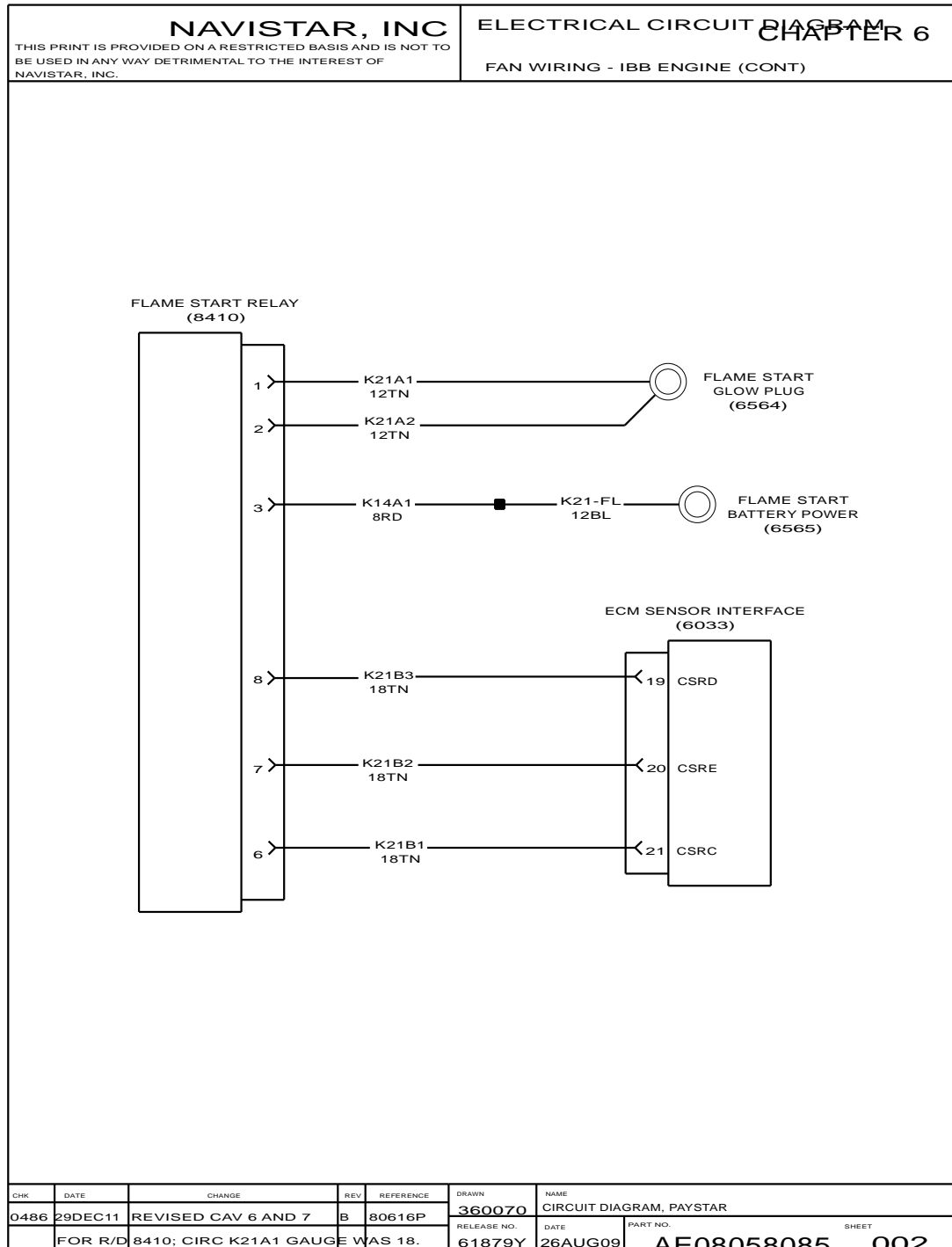


Figure 73 Fan Wiring – IBB Engine (Cont.)

ENGINE SYSTEMS (CHAPTER 7)

7.1. ELECTRONIC ENGINE CONTROLS (2010 IBB ENGINE), P. 1

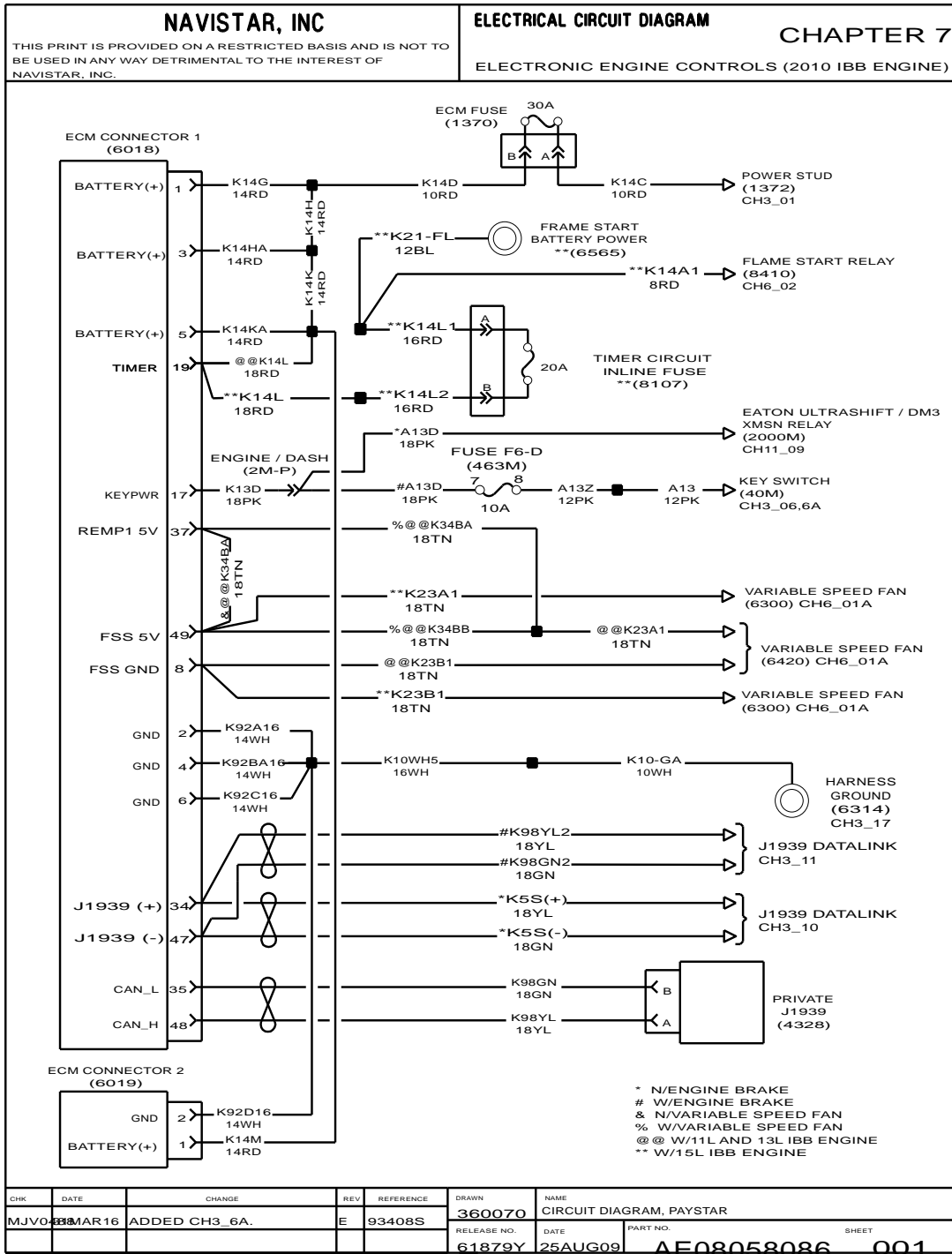


Figure 74 Electronic Engine Controls (2010 IBB Engine)

7.2. ELECTRONIC ENGINE CONTROLS (2010 IBB ENGINE) (CONT.), P. 2

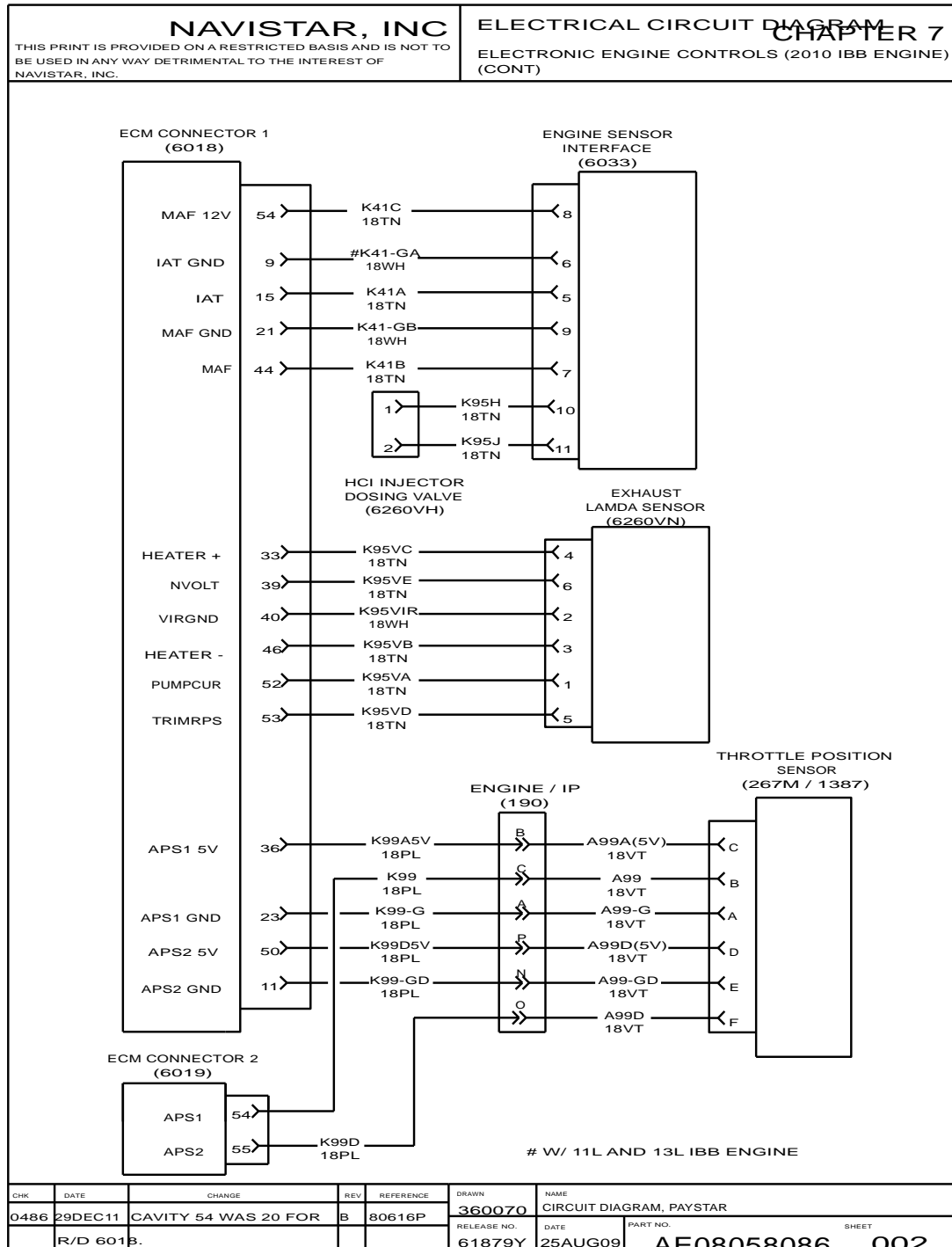


Figure 75 Electronic Engine Controls (2010 IBB Engine) (Cont.)

7.3. ELECTRONIC ENGINE CONTROLS (2010 IBB ENGINE) (CONT.), P. 3

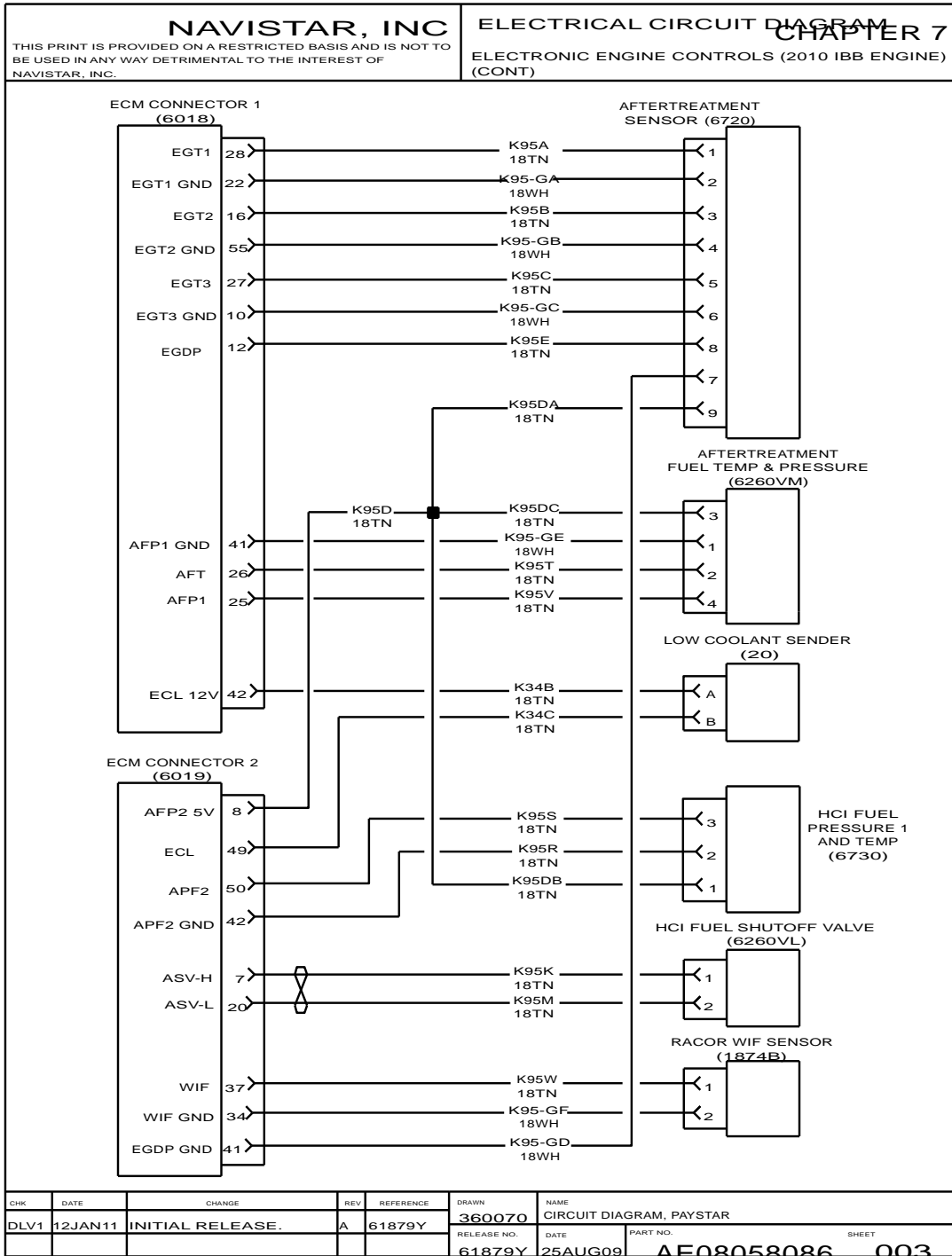


Figure 76 Electronic Engine Controls (2010 IBB Engine) (Cont.)

7.4. ELECTRONIC ENGINE CONTROLS (2010 IBB ENGINE) (CONT.), P. 3A

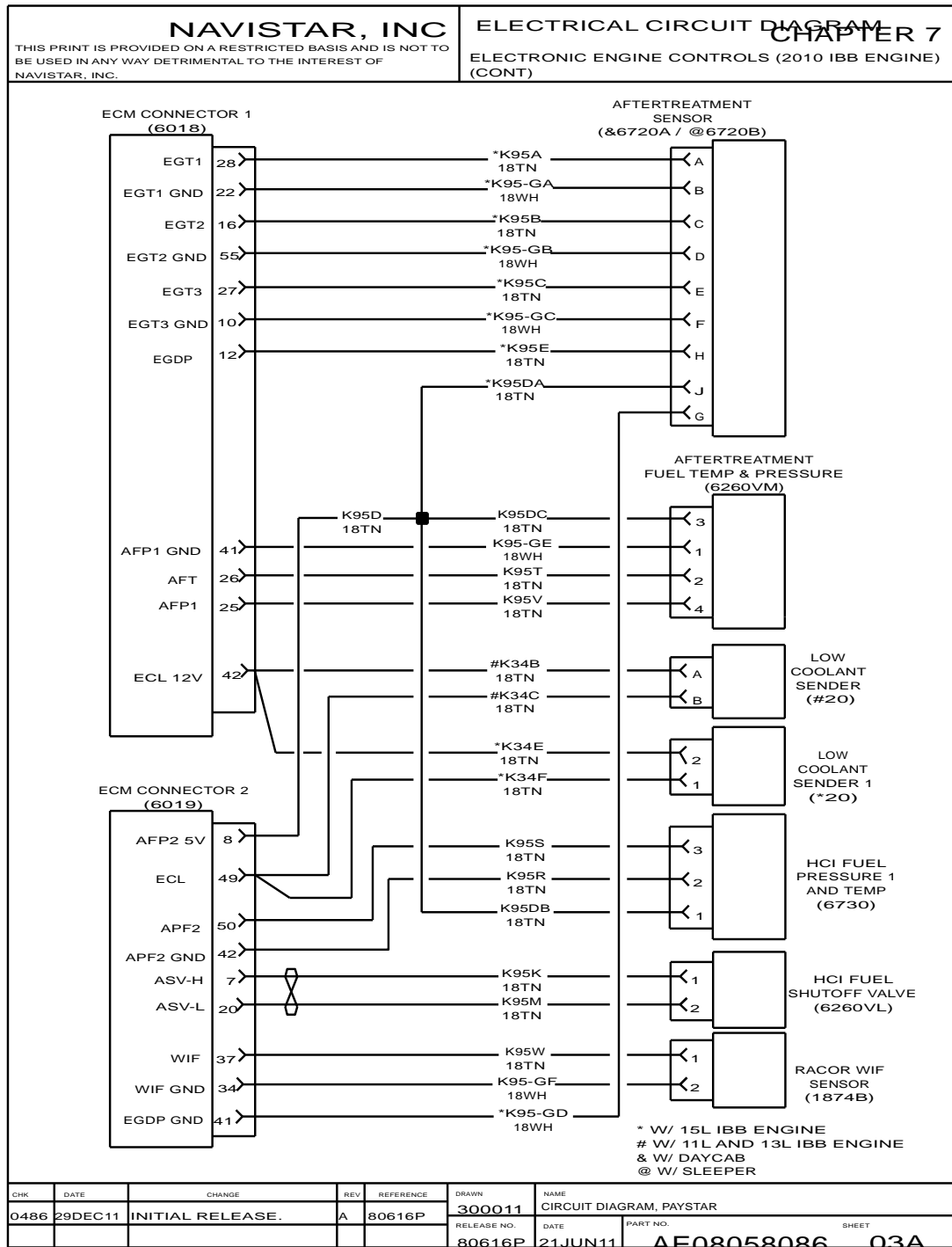


Figure 77 Electronic Engine Controls (2010 IBB Engine) (Cont.)

7.5. ELECTRONIC ENGINE CONTROLS (2010 IBB ENGINE) (CONT.), P. 4

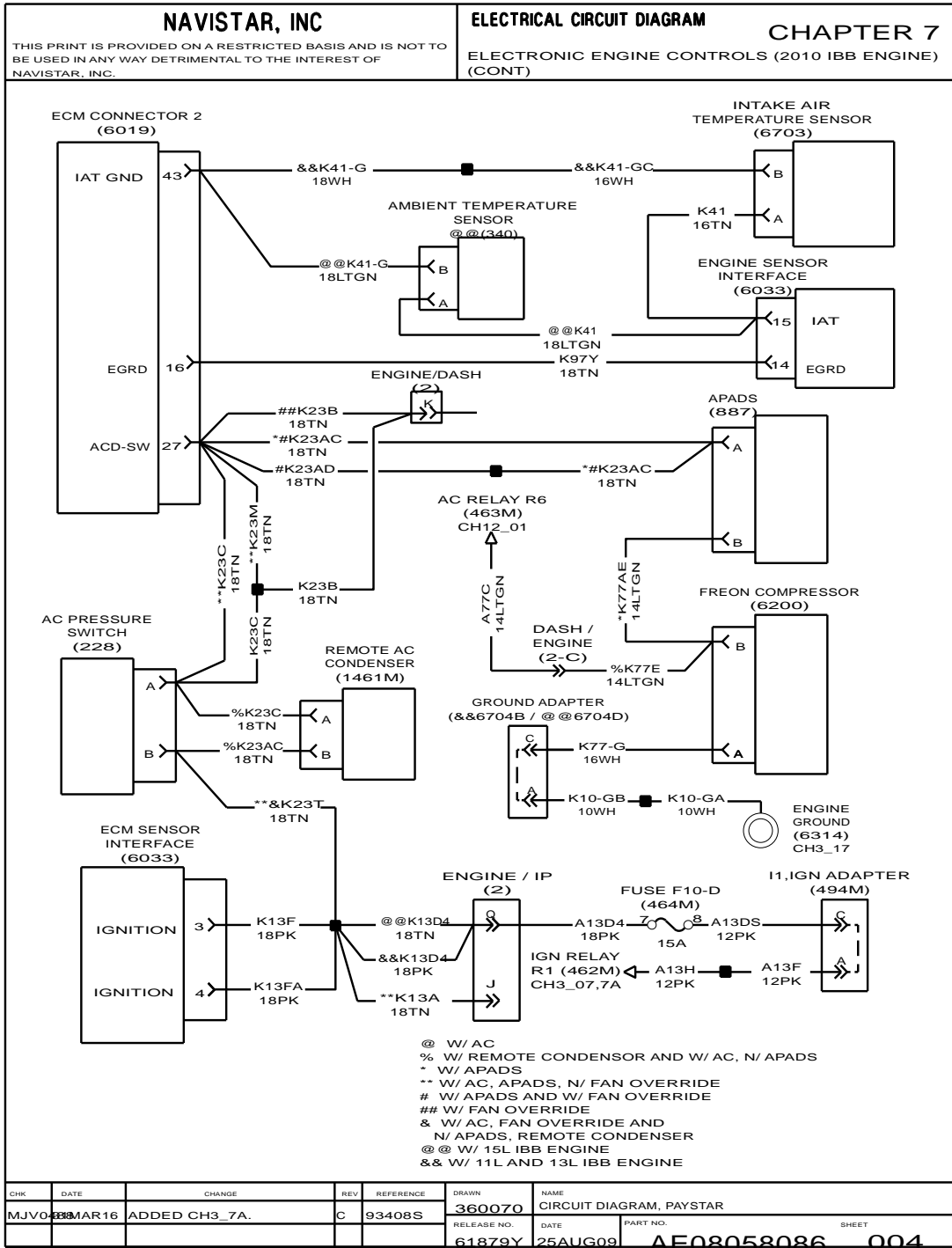


Figure 78 Electronic Engine Controls (2010 IBB Engine) (Cont.)

7.6. FAN DRIVE PROTECTION JUMPER, P. 4A

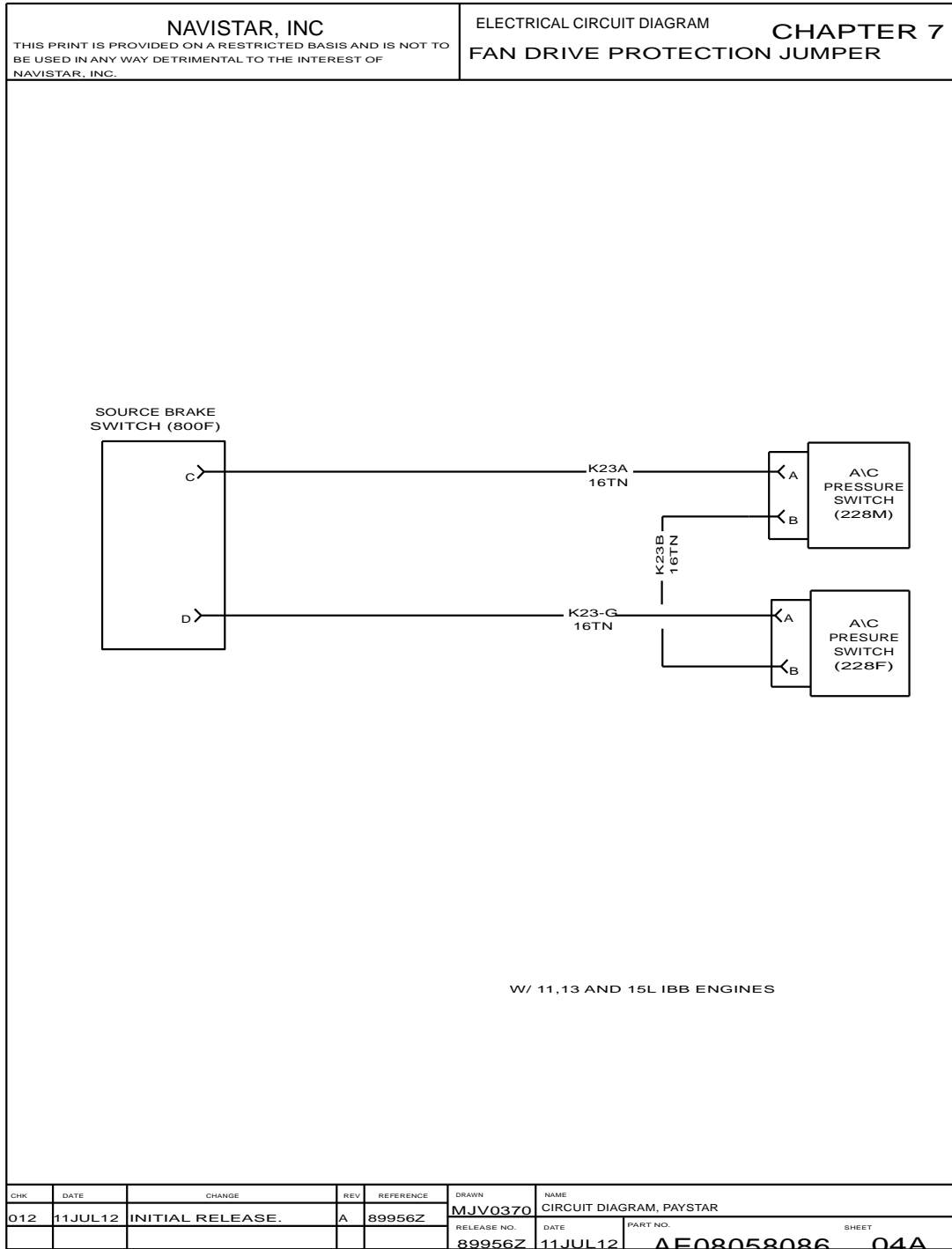


Figure 79 Fan Drive Protection Jumper

7.7. ELECTRONIC ENGINE CONTROLS (2010 IBB ENGINE) (CONT.), P. 5

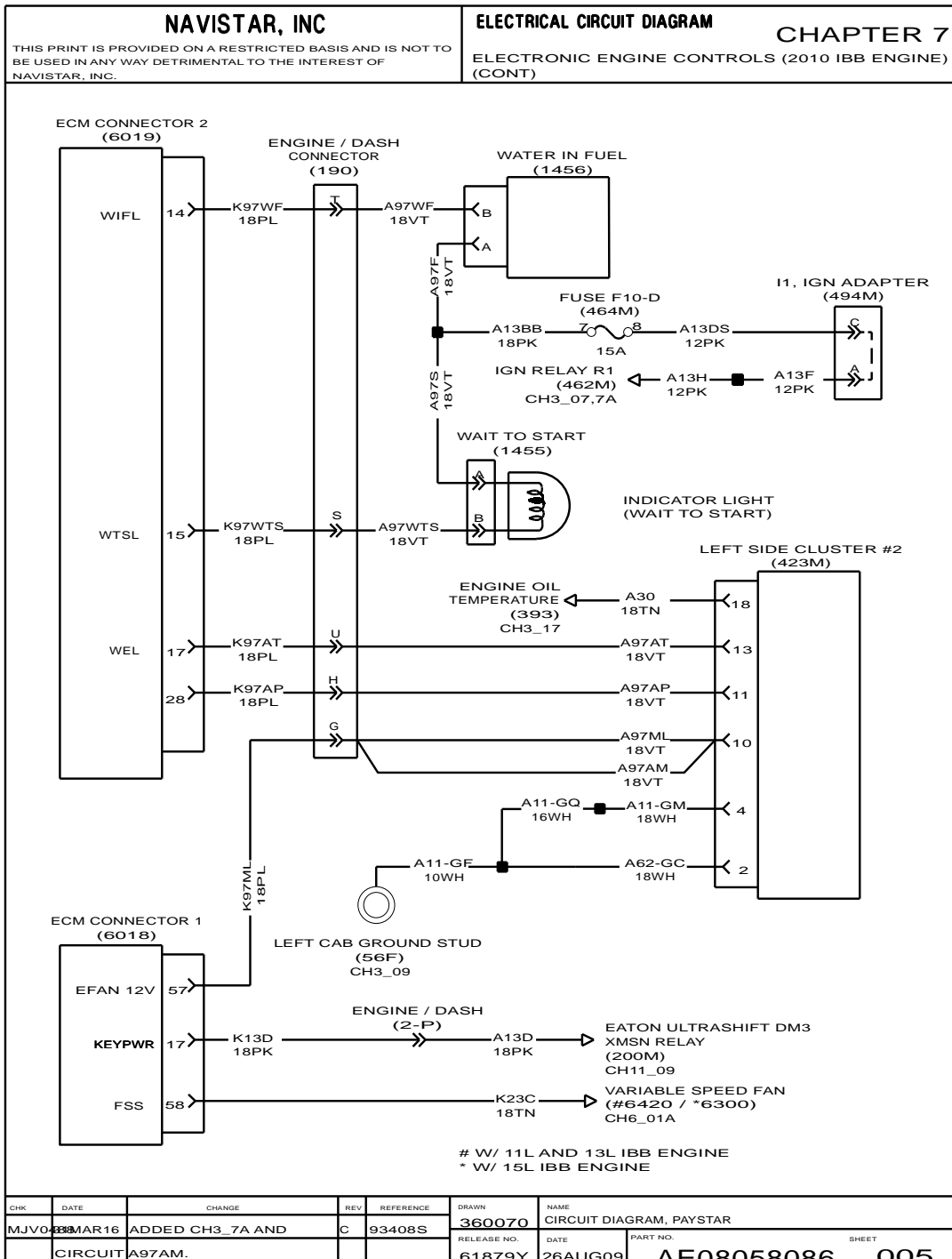


Figure 80 Electronic Engine Controls (2010 IBB Engine) (Cont.)

7.8. ELECTRONIC ENGINE CONTROLS (2010 IBB ENGINE) (CONT.), P. 6

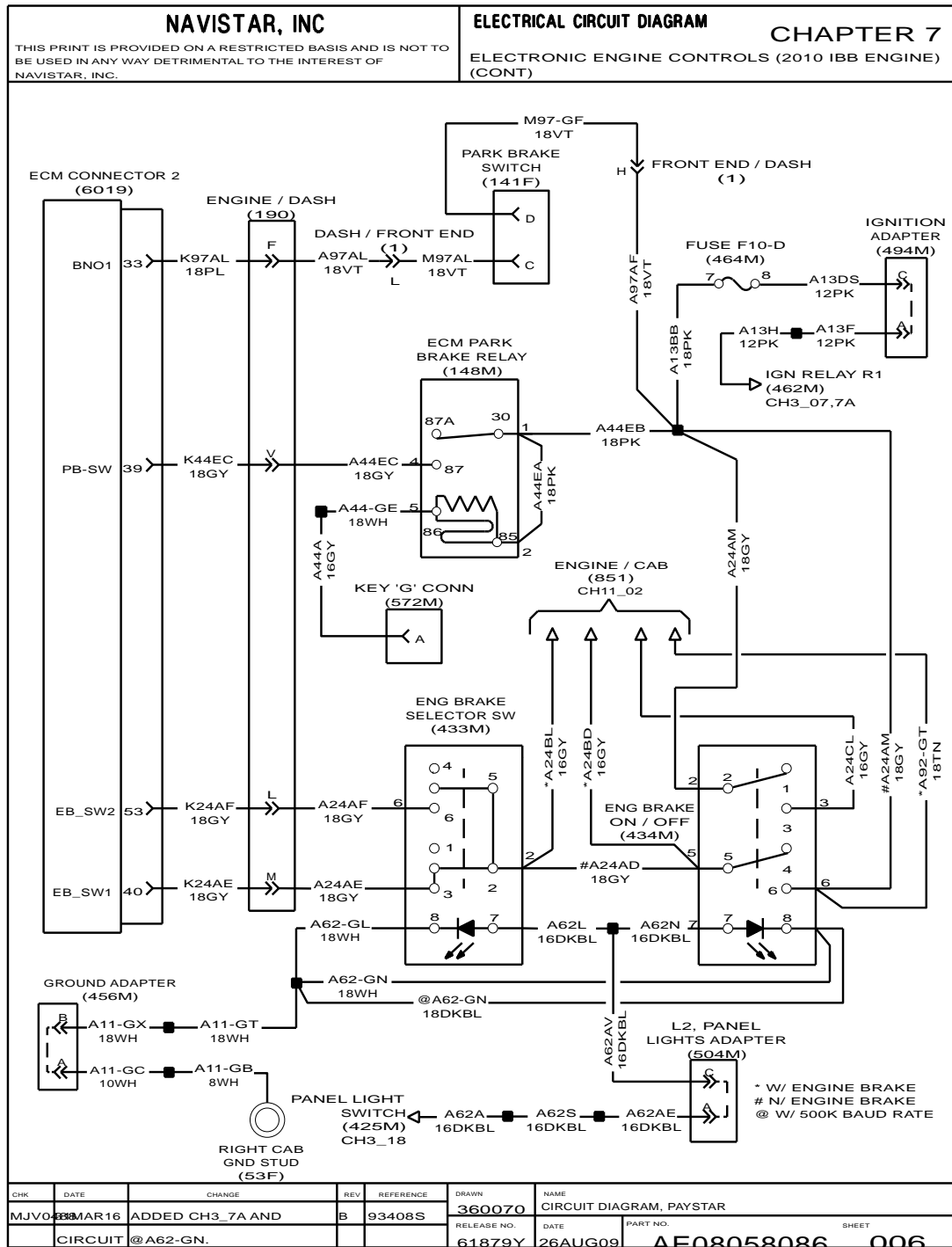


Figure 81 Electronic Engine Controls (2010 IBB Engine) (Cont.)

7.9. ELECTRONIC ENGINE CONTROLS (2010 IBB ENGINE) (CONT.), P. 7

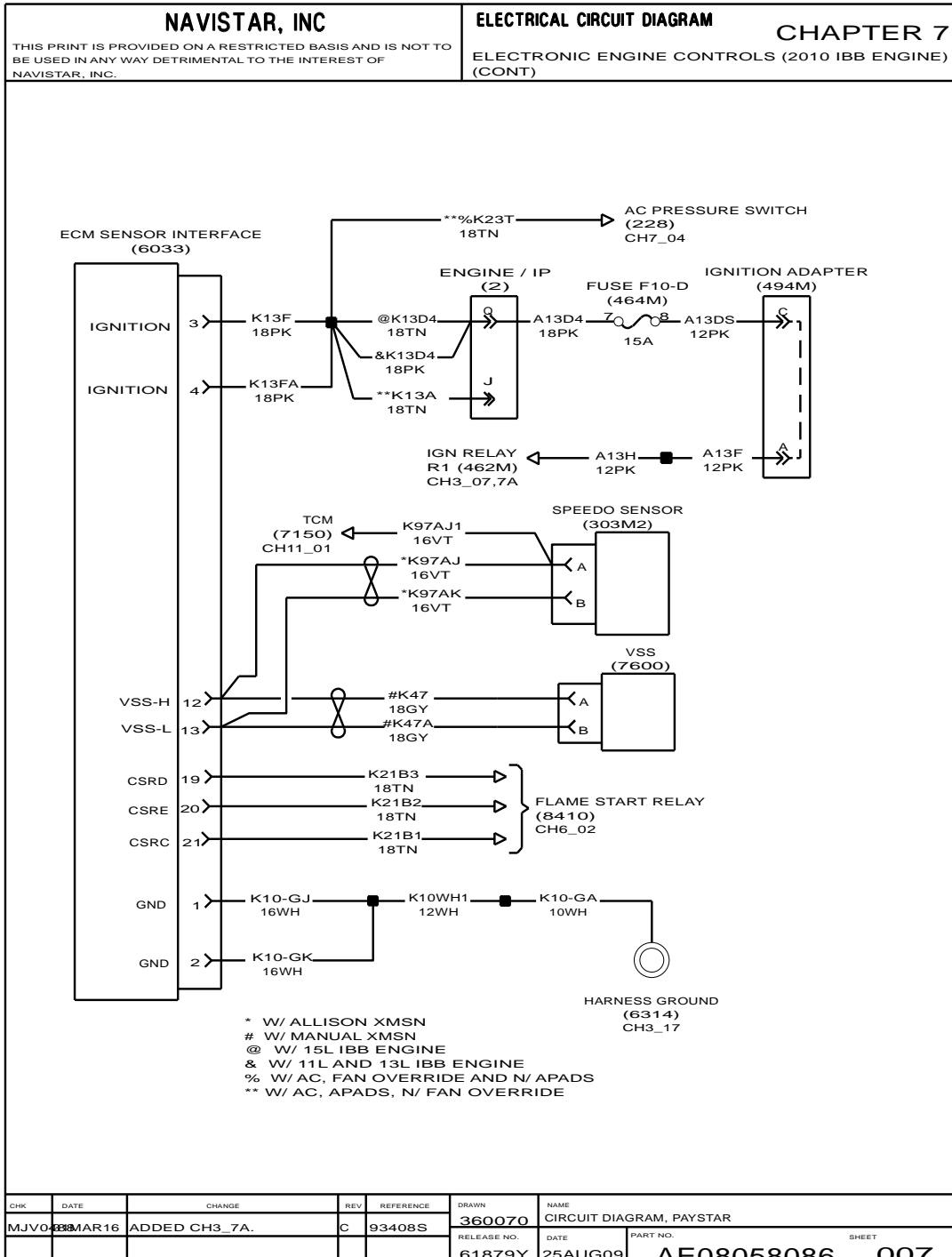


Figure 82 Electronic Engine Controls (2010 IBB Engine) (Cont.)

7.10. ELECTRONIC ENGINE CONTROLS (2010 IBB ENGINE) (CONT.), P. 8

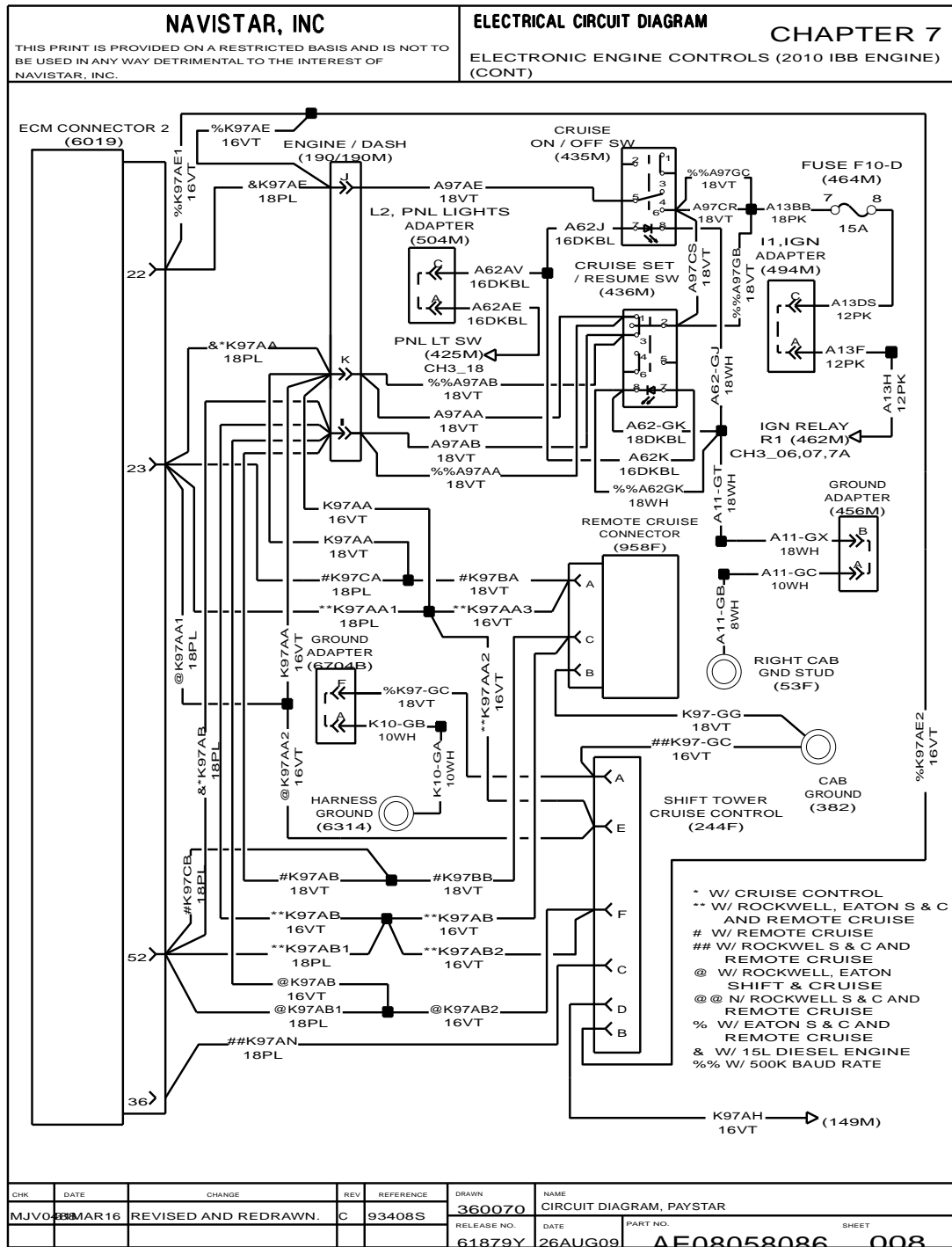


Figure 83 Electronic Engine Controls (2010 IBB Engine) (Cont.)

7.11. AFTERTREATMENT CONTROL, P. 9

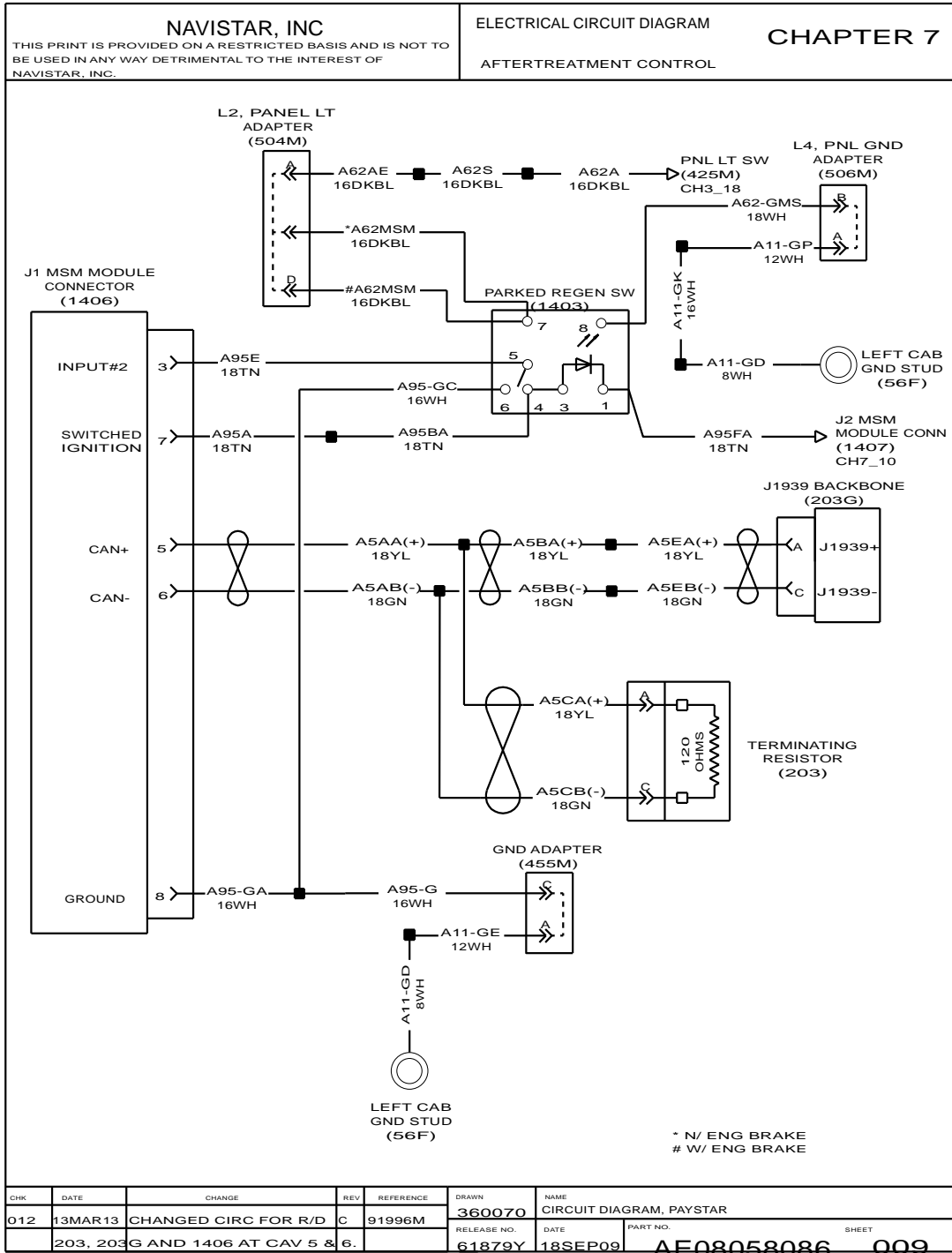


Figure 84 Aftertreatment Control

7.12. SART MODULE, P. 9A

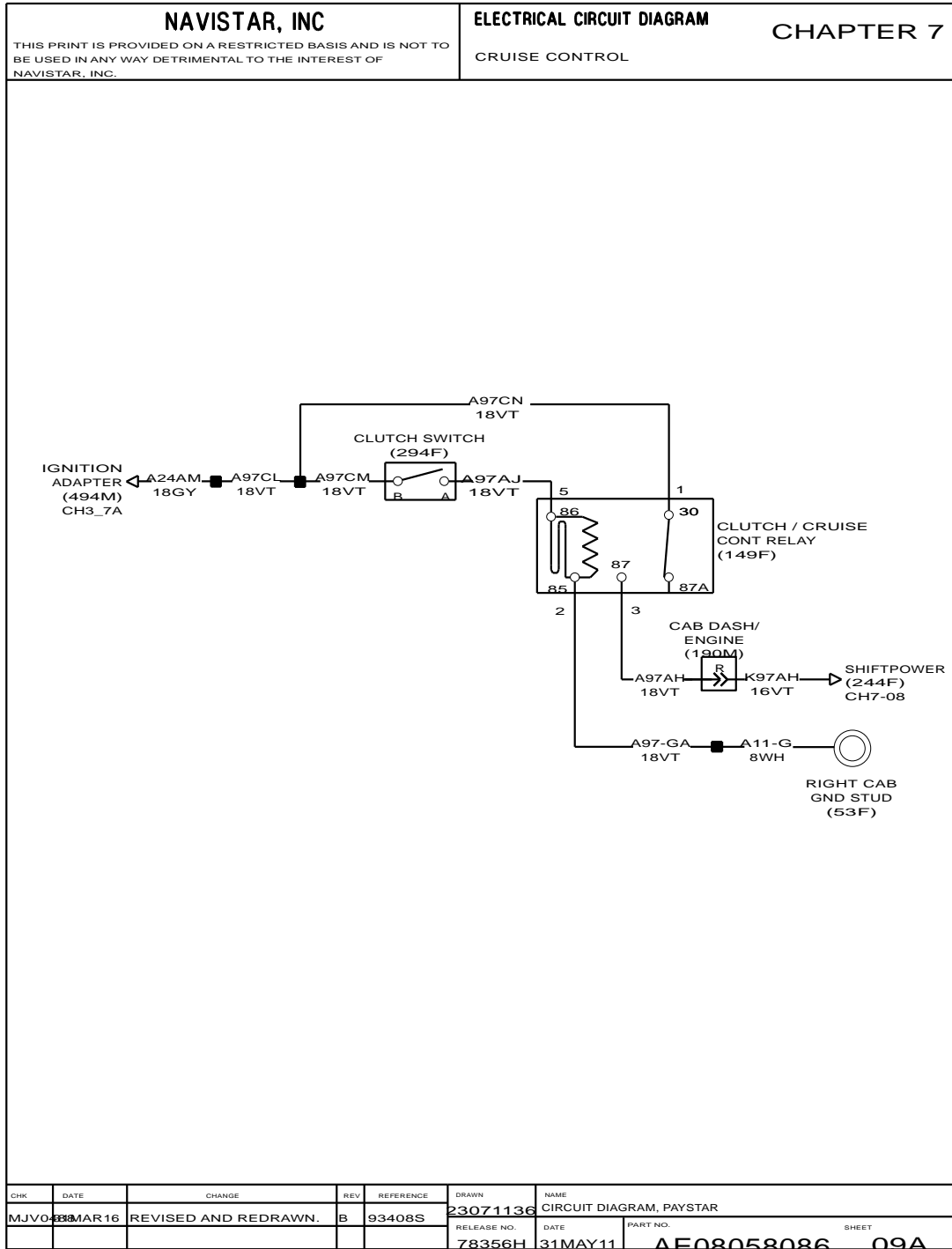


Figure 85 SART Module

7.13. AFTERTREATMENT CONTROL (CONT.), P. 10

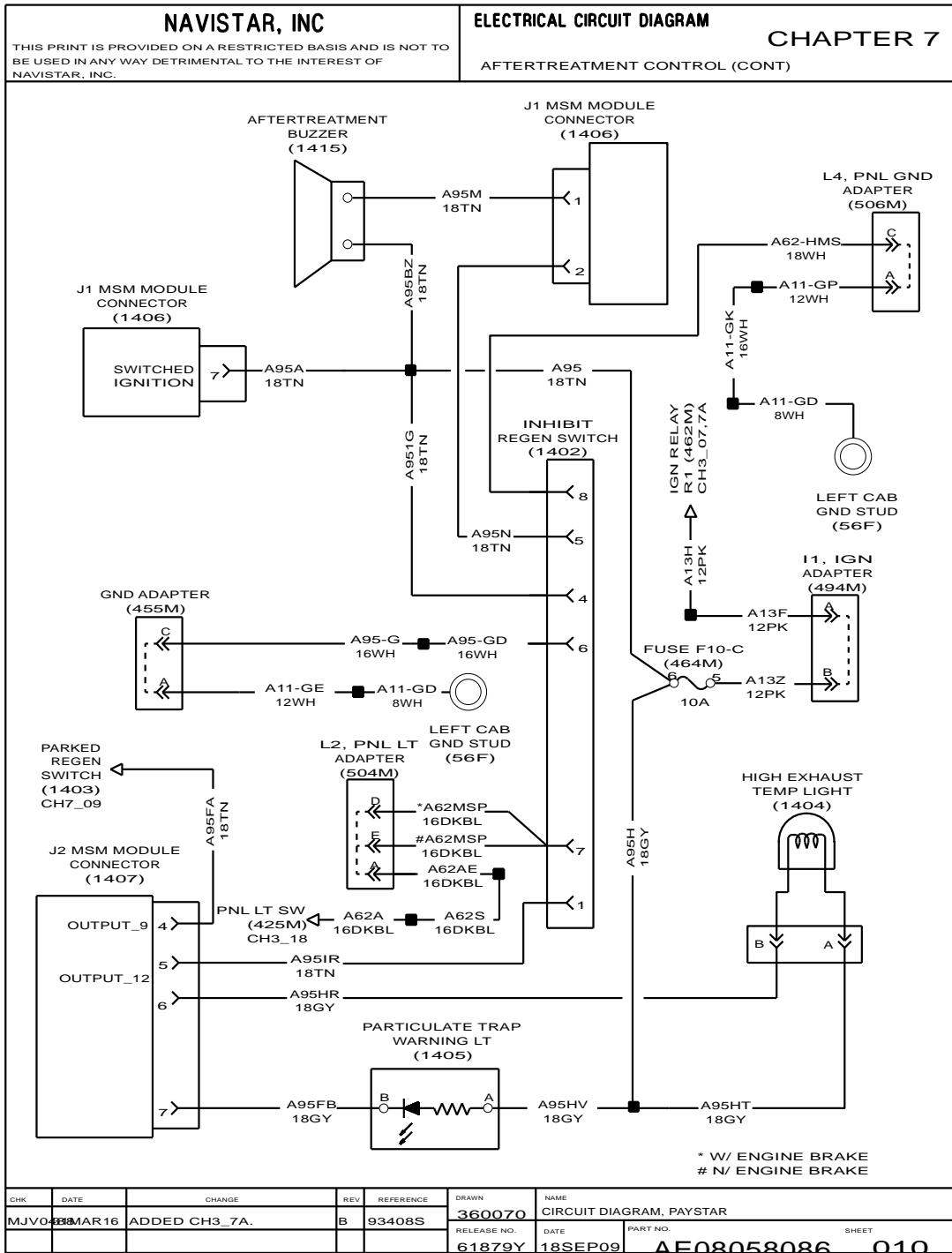


Figure 86 Aftertreatment Control (Cont.)

7.14. AFTERTREATMENT CONTROL WITH 500K BAUD RATE, P. 10A

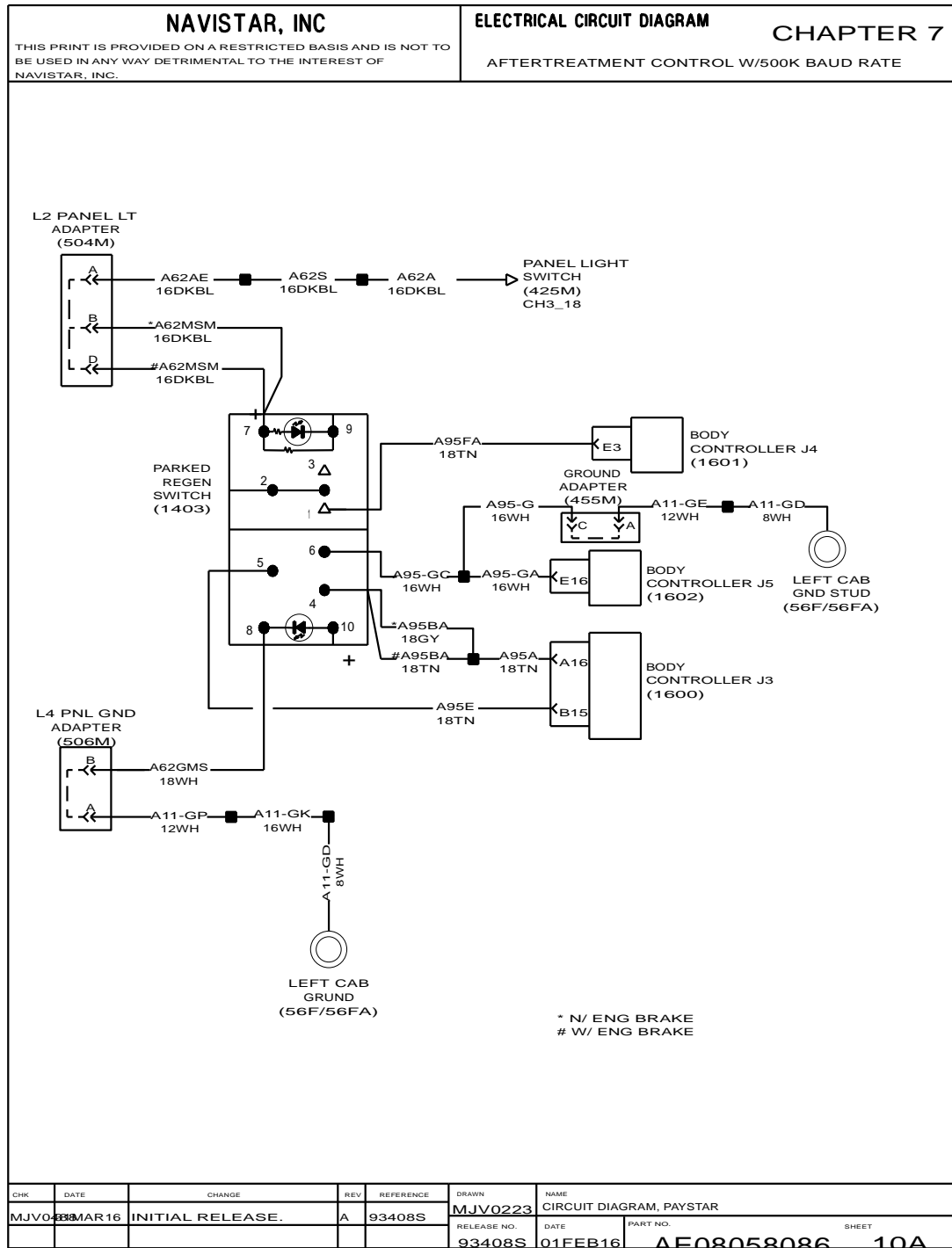


Figure 87 Aftertreatment Control with 500K Baud Rate

7.15. AFTERTREATMENT CONTROL WITH 500K BAUD RATE (CONT.), P. 10B

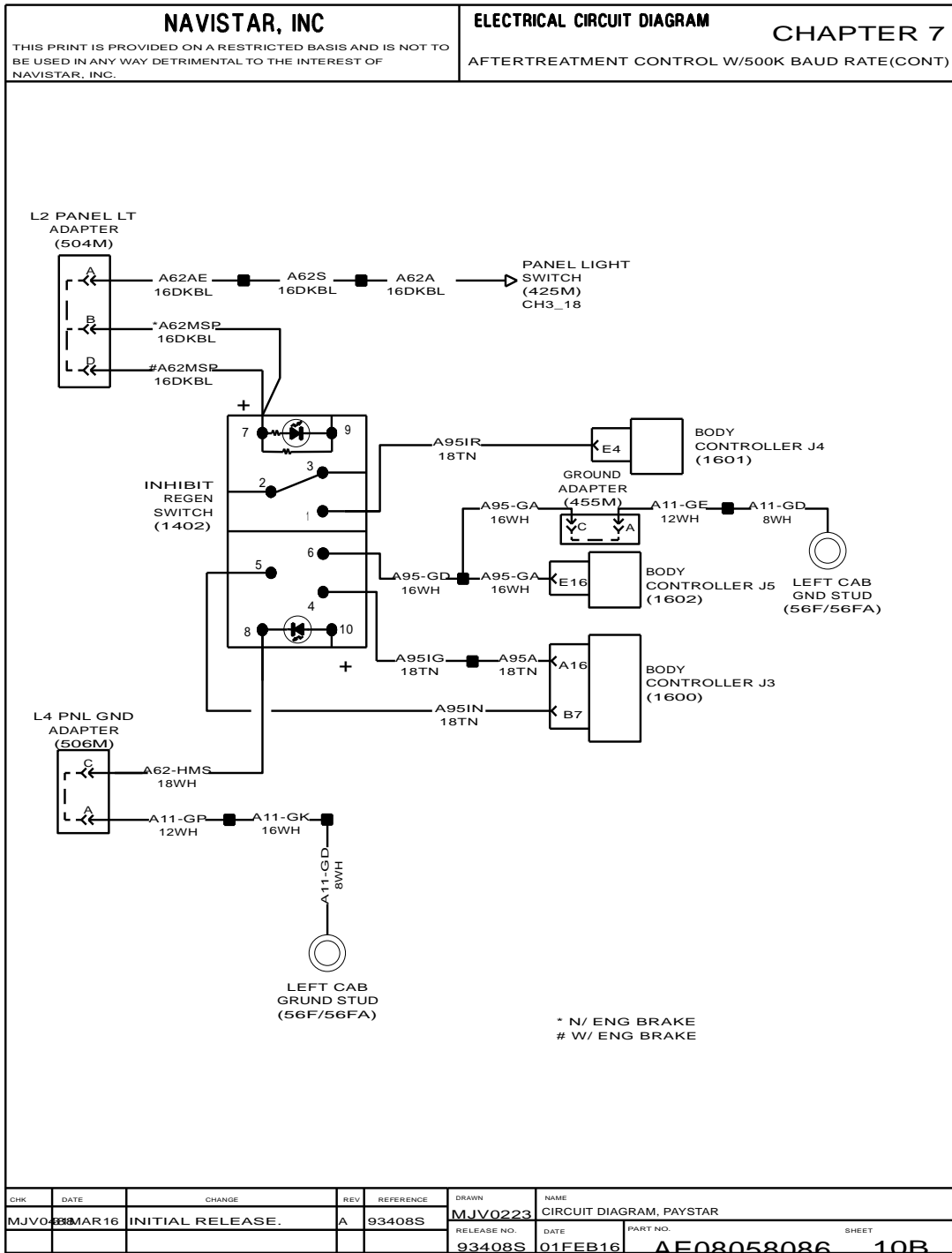


Figure 88 Aftertreatment Control with 500K Baud Rate (Cont.)

7.16. ELECTRONIC ENGINE CONTROLS (15L ENG) ISX 2013, P. 11

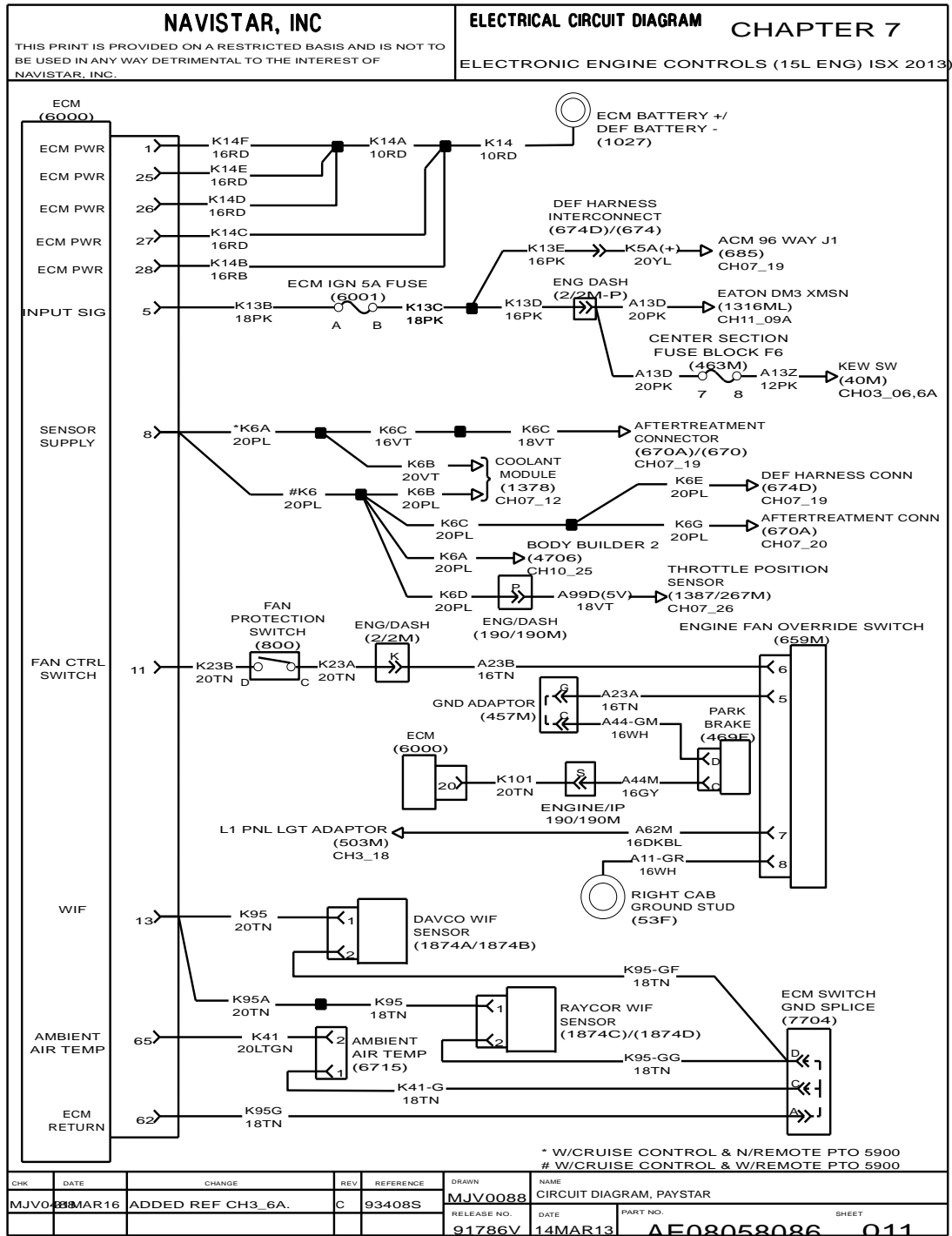


Figure 89 Electronic Engine Controls (15L Eng) ISX 2013

7.17. ELECTRONIC ENGINE CONTROLS (15L ENG) ISX 2013 (CONT.), P. 12

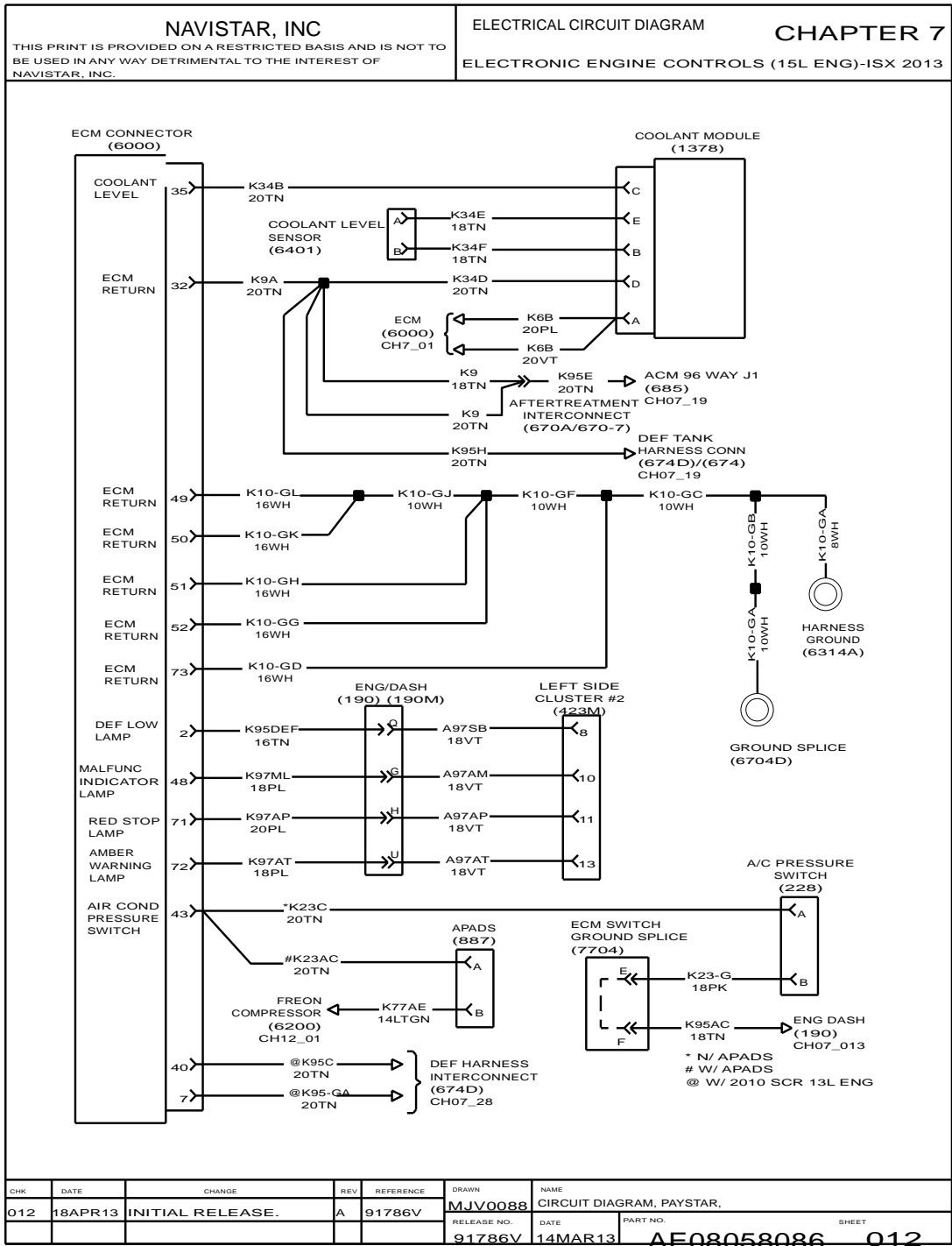


Figure 90 Electronic Engine Controls (15L Eng) ISX 2013 (Cont.)

7.18. 15L ENG & CRUISE CONTROL – ISX 2013, P. 13

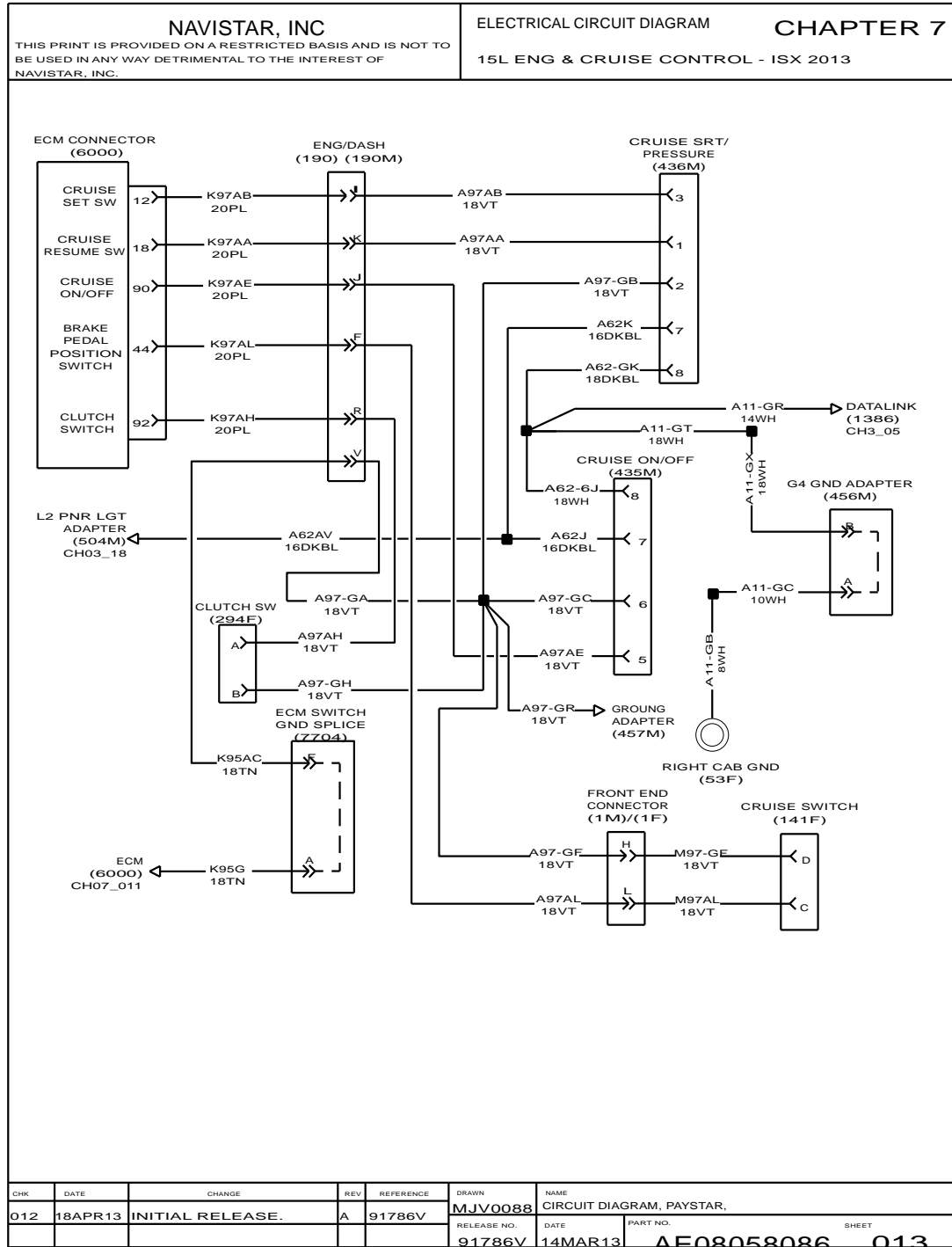


Figure 91 15L Eng & Cruise Control – ISX 2013

7.19. ELECTRONIC ENGINE CONTROLS (IBB ENGINE) – SCR EFFECTS, P. 14

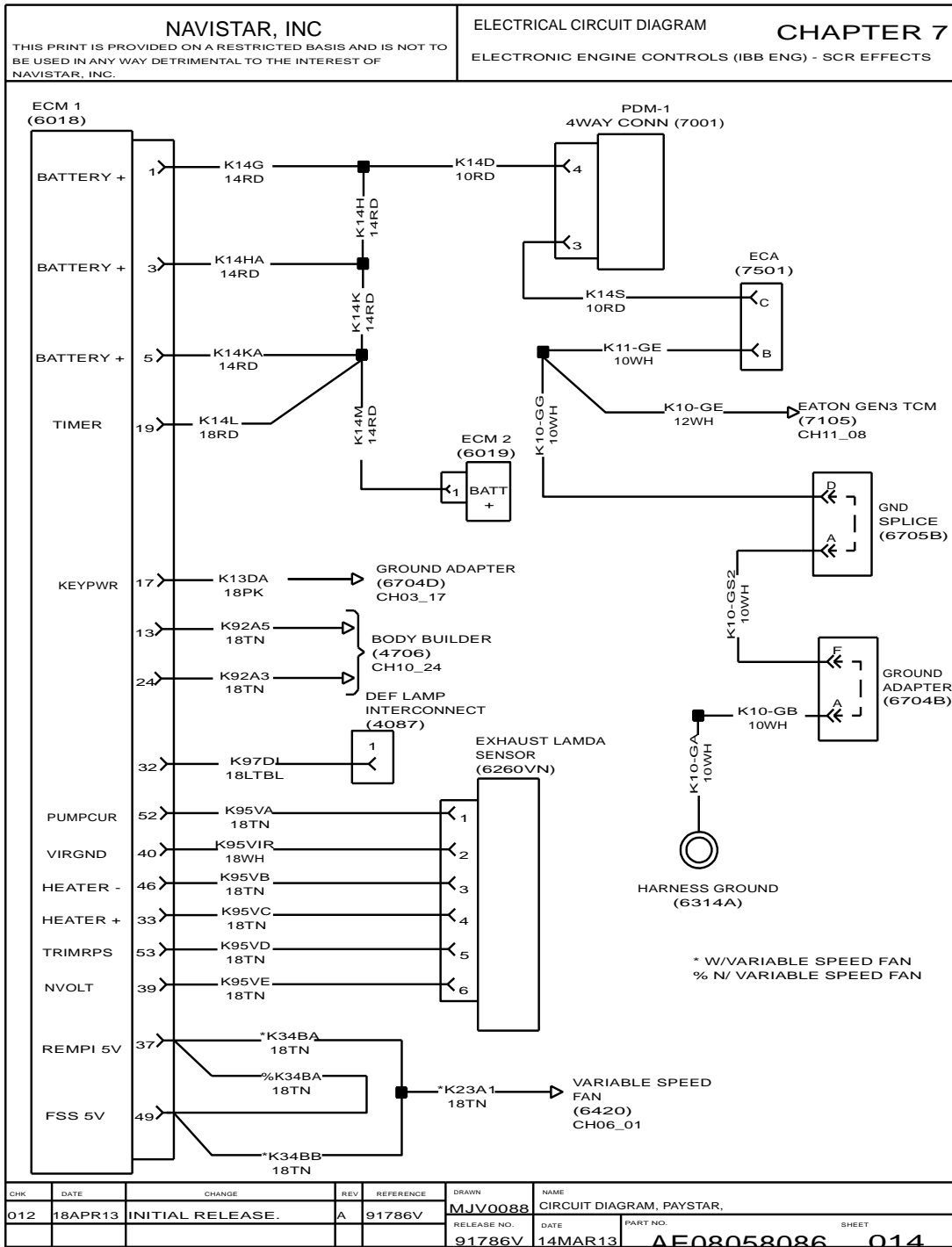


Figure 92 Electronic Engine Controls (IBB Engine) – SCR Effects

7.20. ELECTRONIC ENGINE CONTROLS (IBB ENGINE) – SCR EFFECTS (CONT.), P. 15

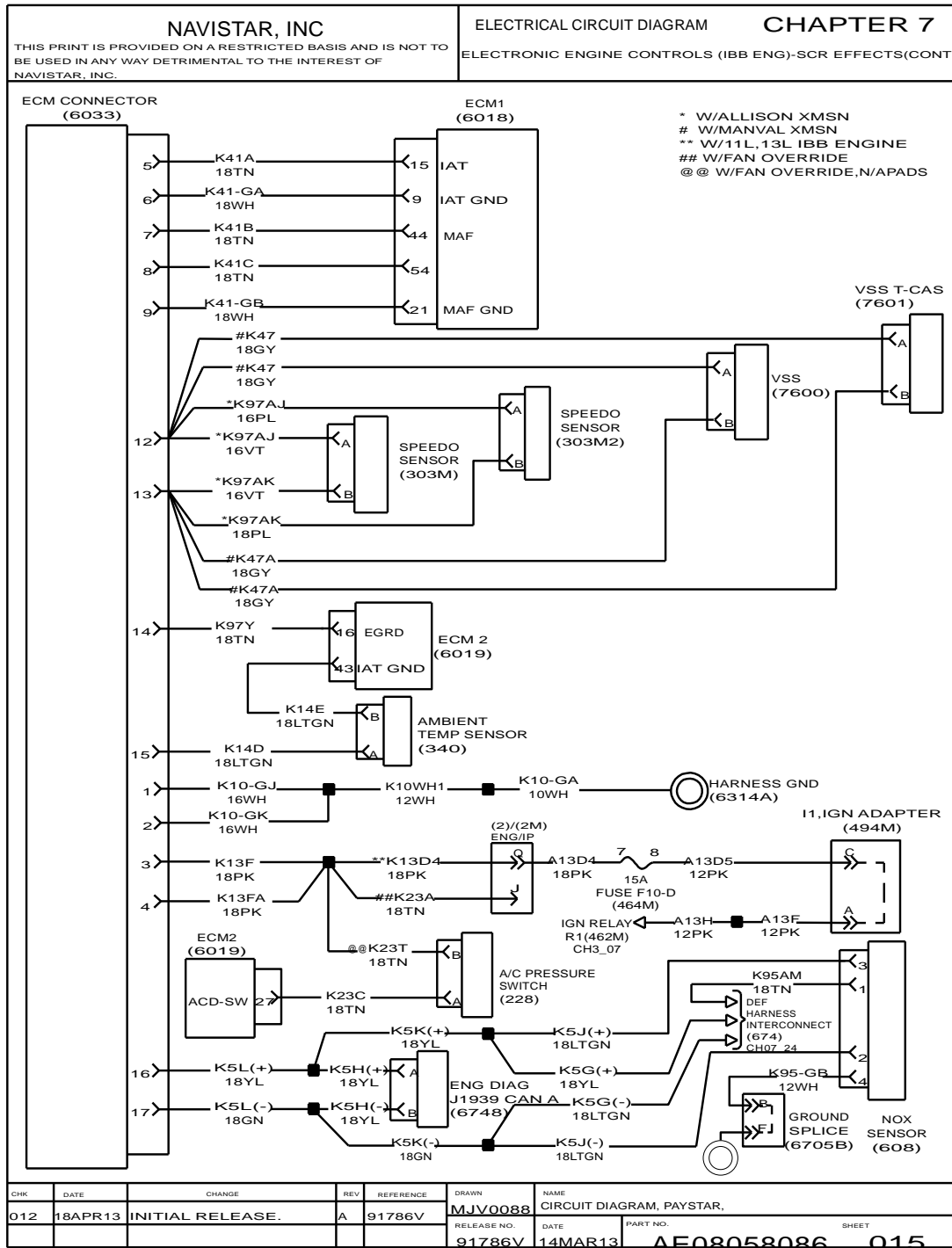


Figure 93 Electronic Engine Controls (IBB Engine) – SCR Effects (Cont.)

7.21. ELECTRONIC ENGINE CONTROLS (IBB ENGINE) – SCR EFFECTS (CONT.), P. 16

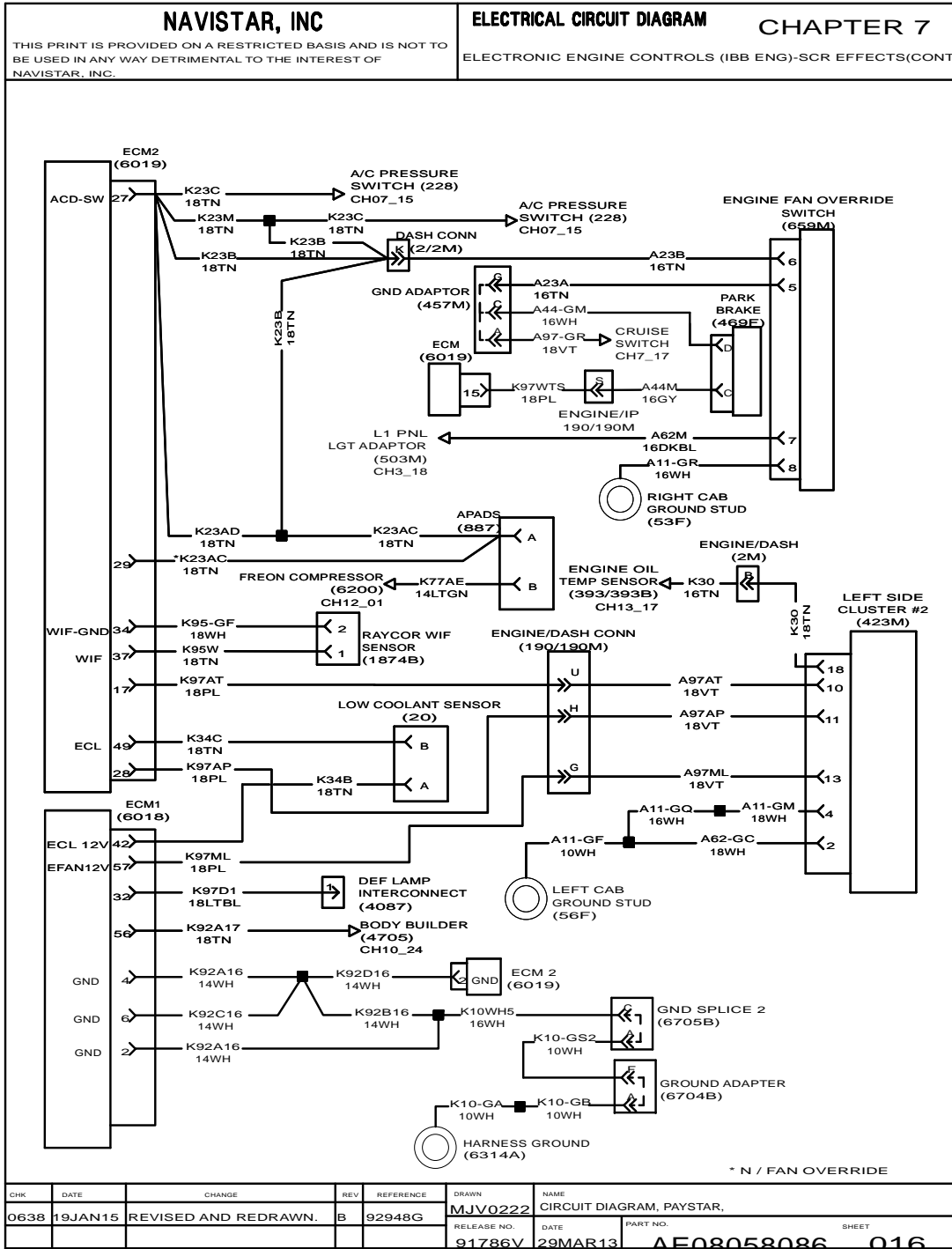


Figure 94 Electronic Engine Controls (IBB Engine) – SCR Effects (Cont.)

7.22. ELECTRONIC ENGINE CONTROLS (IBB ENGINE) – SCR EFFECTS (CONT.), P. 17

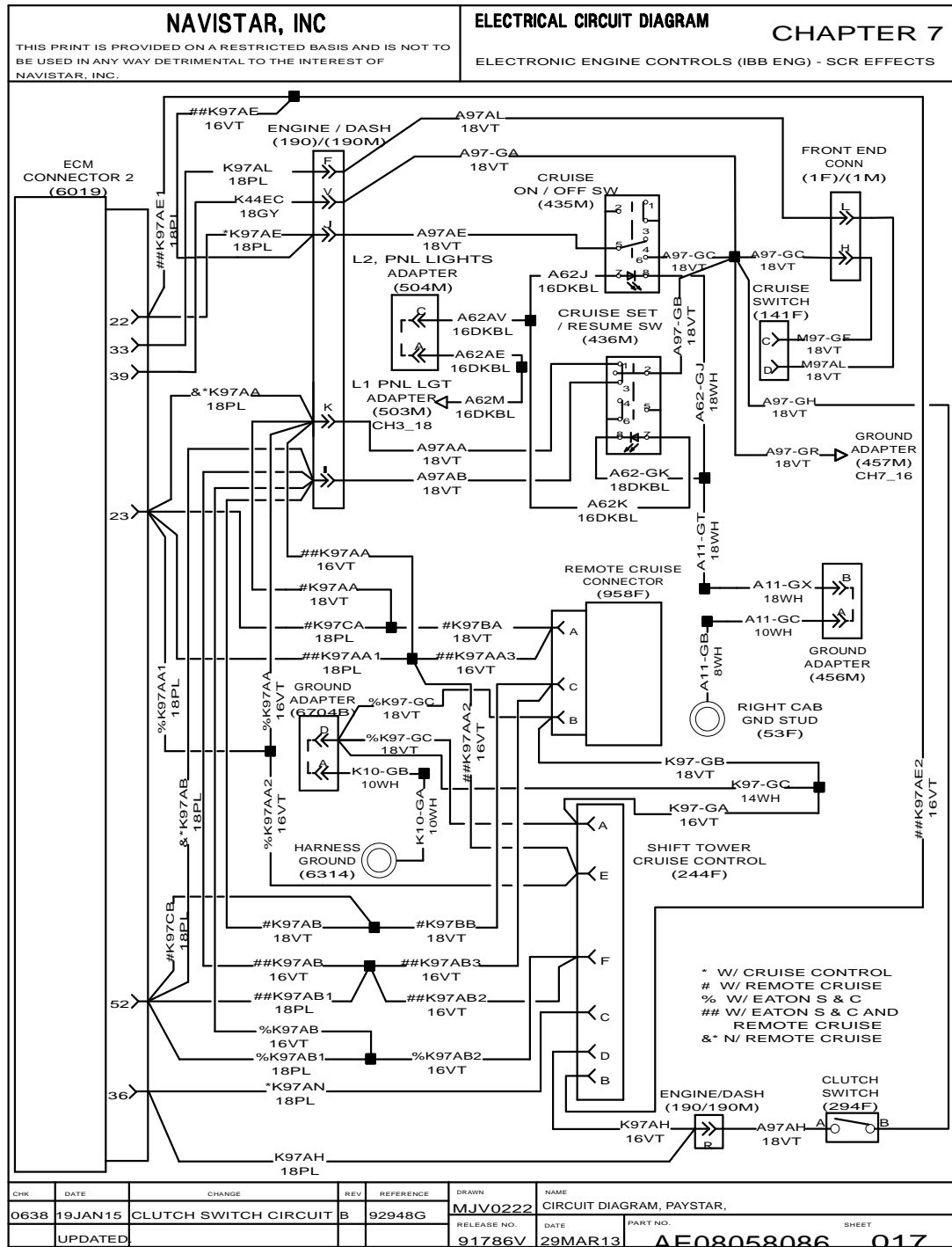


Figure 95 Electronic Engine Controls (IBB Engine) – SCR Effects (Cont.)

7.23. 11L / 13L IBB ENG CRUISE CONTROL – SCR EFFECTS, P. 18

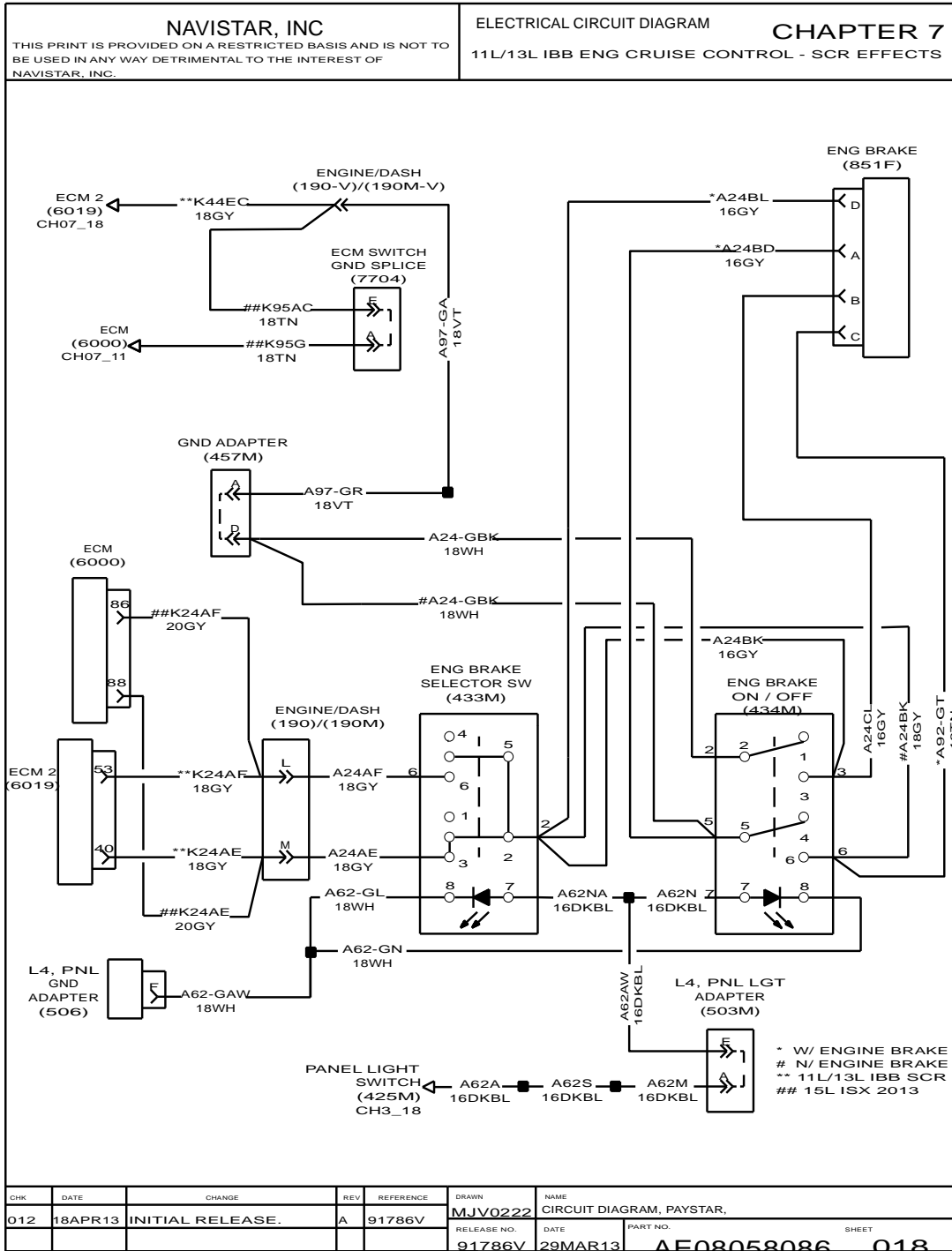


Figure 96 11L / 13L IBB Eng Cruise Control – SCR Effects

7.24. ISX 2013 DEF & AFTERTREATMENT (15L), P. 19

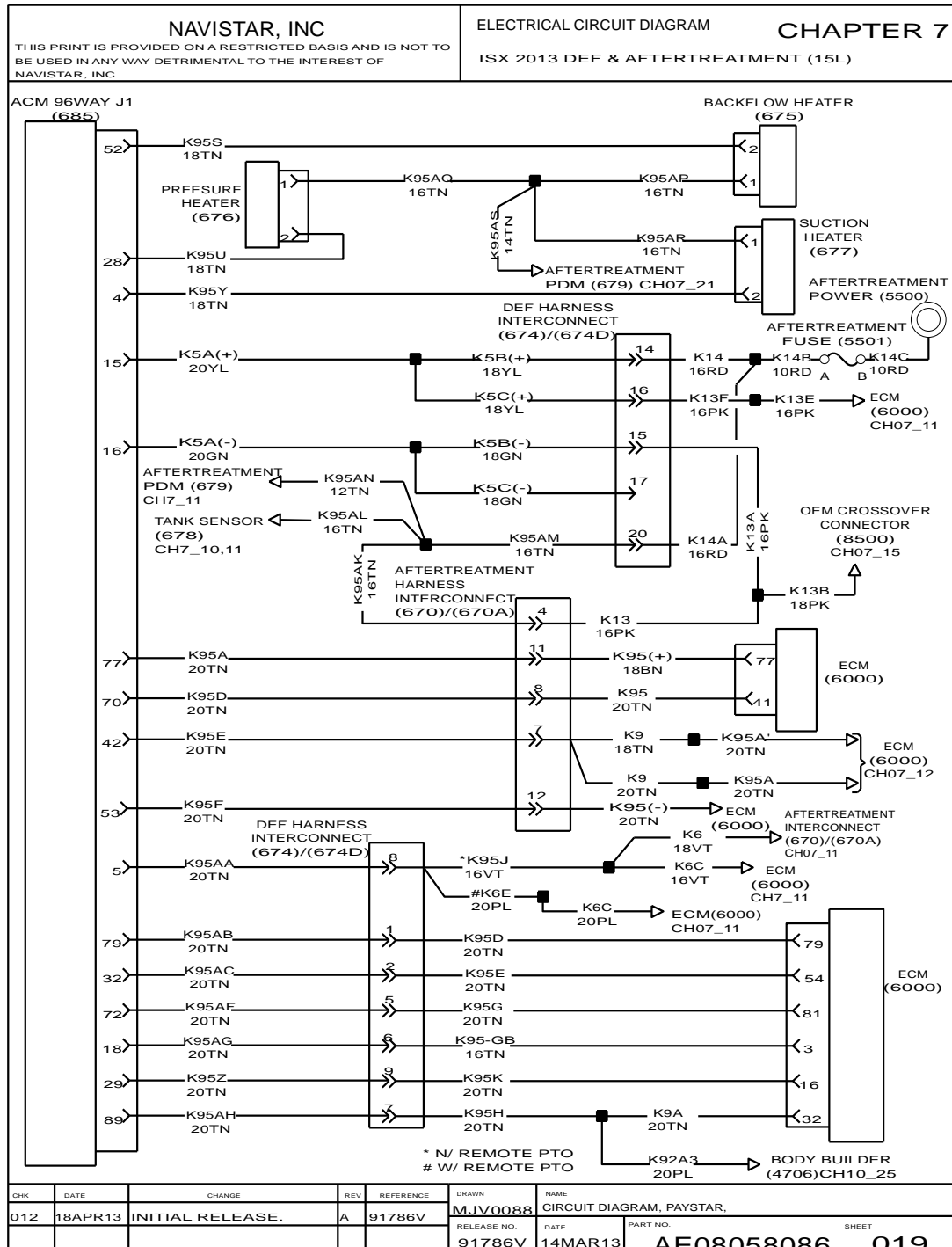


Figure 97 ISX 2013 DEF & Aftertreatment (15L)

7.25. ISX 2013 DEF & AFTERTREATMENT (15L) (CONT.), P. 20

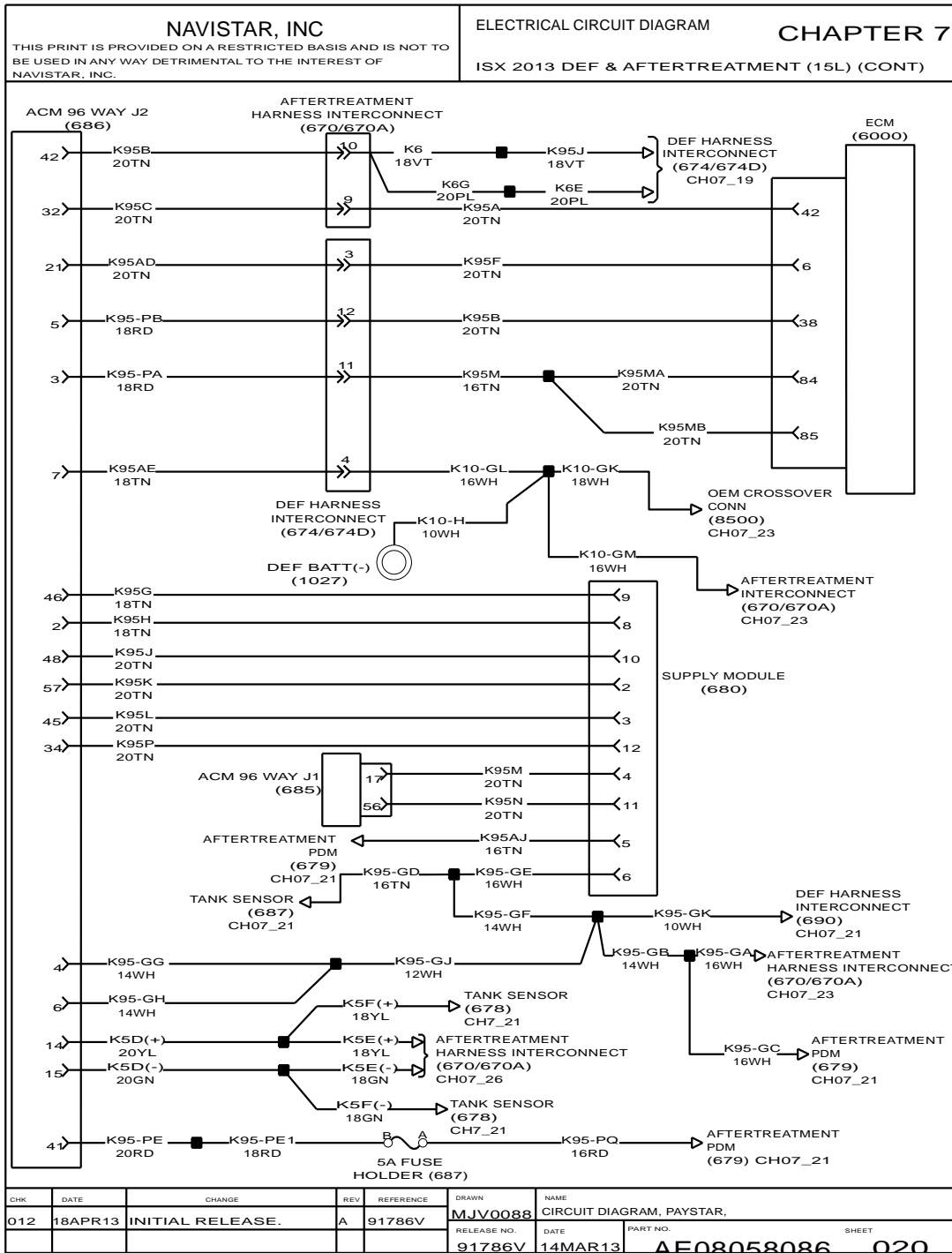


Figure 98 ISX 2013 DEF & Aftertreatment (15L) (Cont.)

7.26. ISX 2013 DEF & AFTERTREATMENT (15L) (CONT.), P. 21

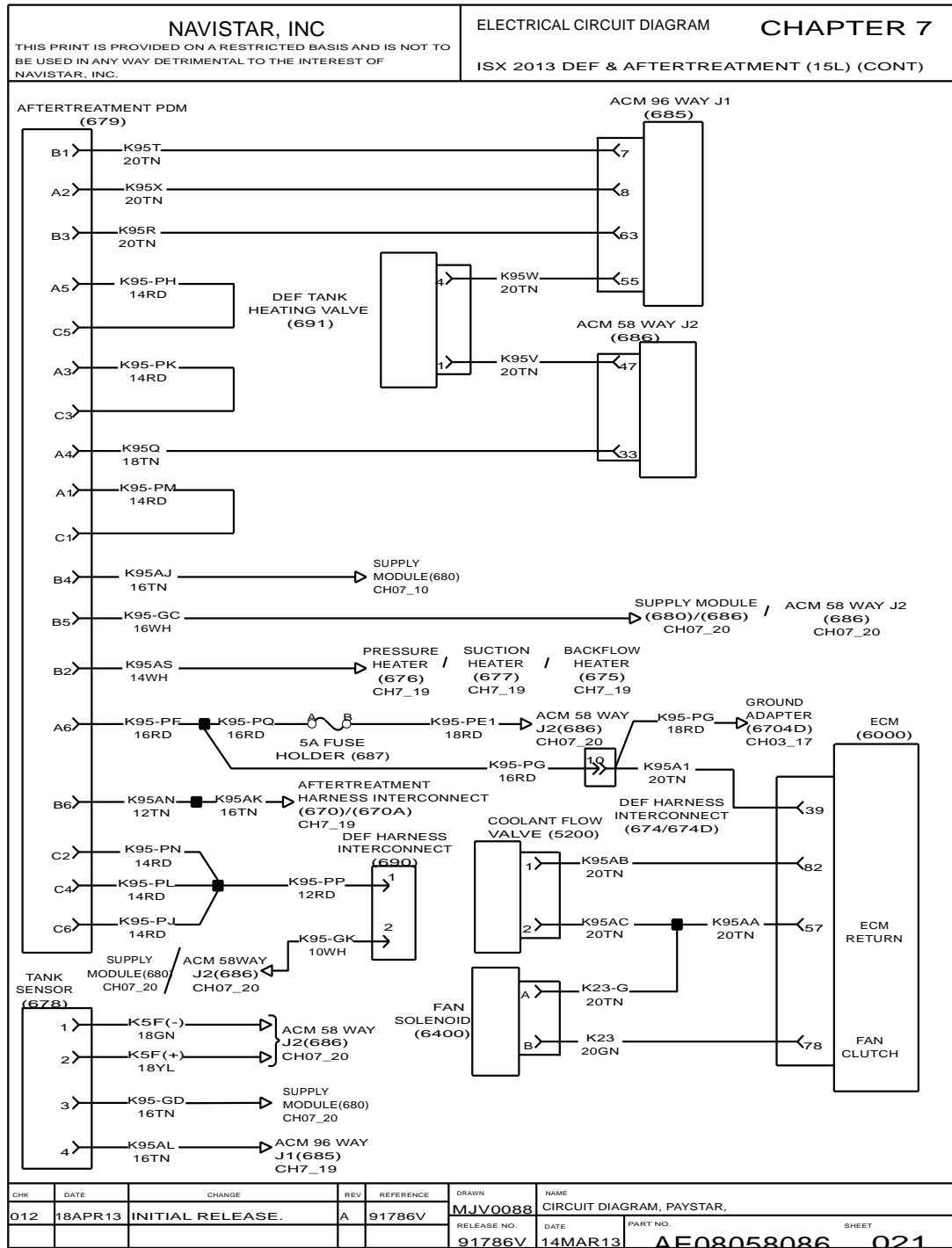


Figure 99 ISX 2013 DEF & Aftertreatment (15L) (Cont.)

7.27. ISX 2013 DEF & AFTERTREATMENT (15L) (CONT.), P. 22

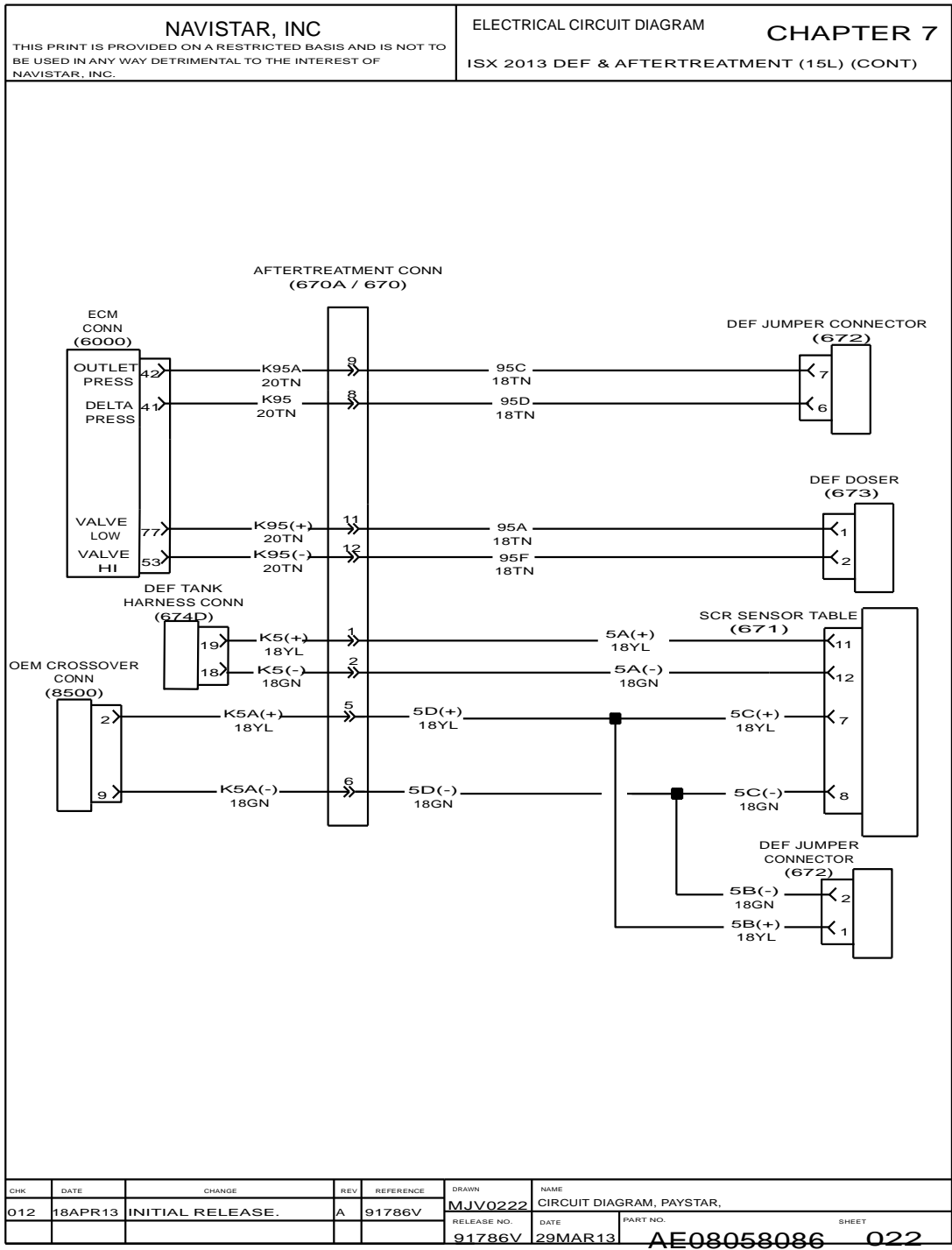


Figure 100 ISX 2013 DEF & Aftertreatment (15L) (Cont.)

7.28. ISX 2013 DEF & AFTERTREATMENT (15L) (CONT.), P. 23

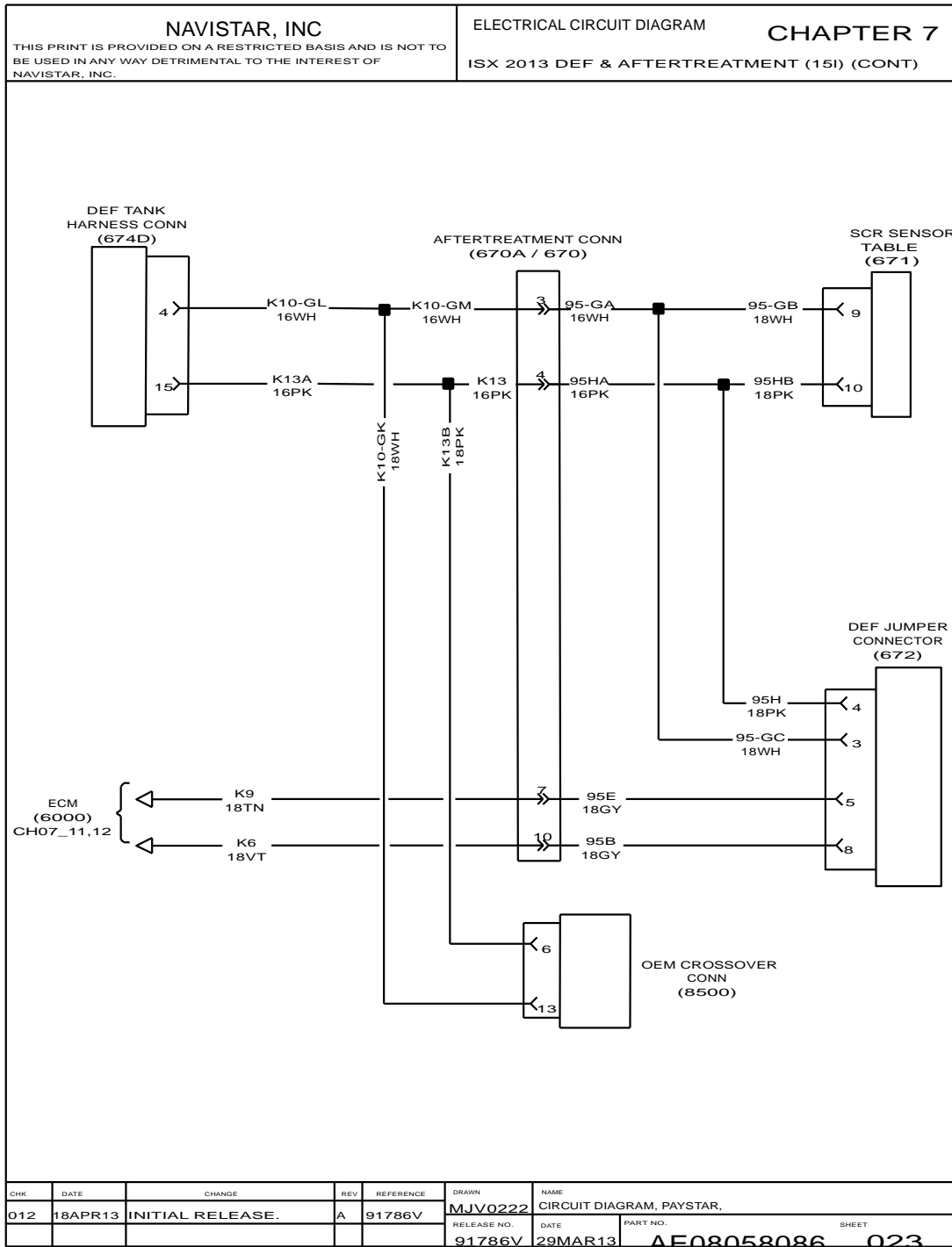


Figure 101 ISX 2013 DEF & Aftertreatment (15L) (Cont.)

7.29. DEF & AFTERTREATMENT (IBB SCR ENG), P. 24

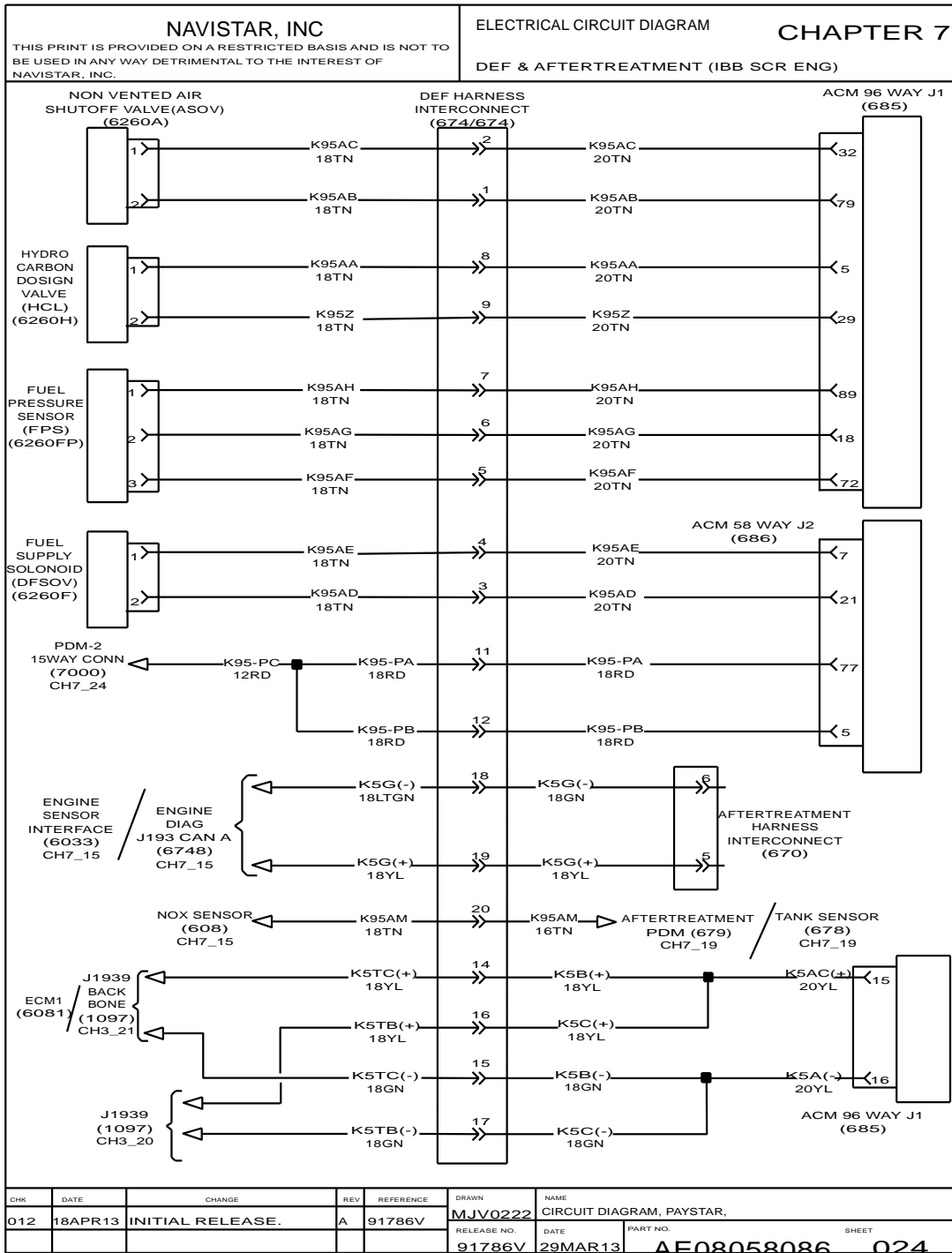


Figure 102 DEF & Aftertreatment (IBB SCR ENG)

7.30. DEF & AFTERTREATMENT (IBB SCR ENG) (CONT.), P. 25

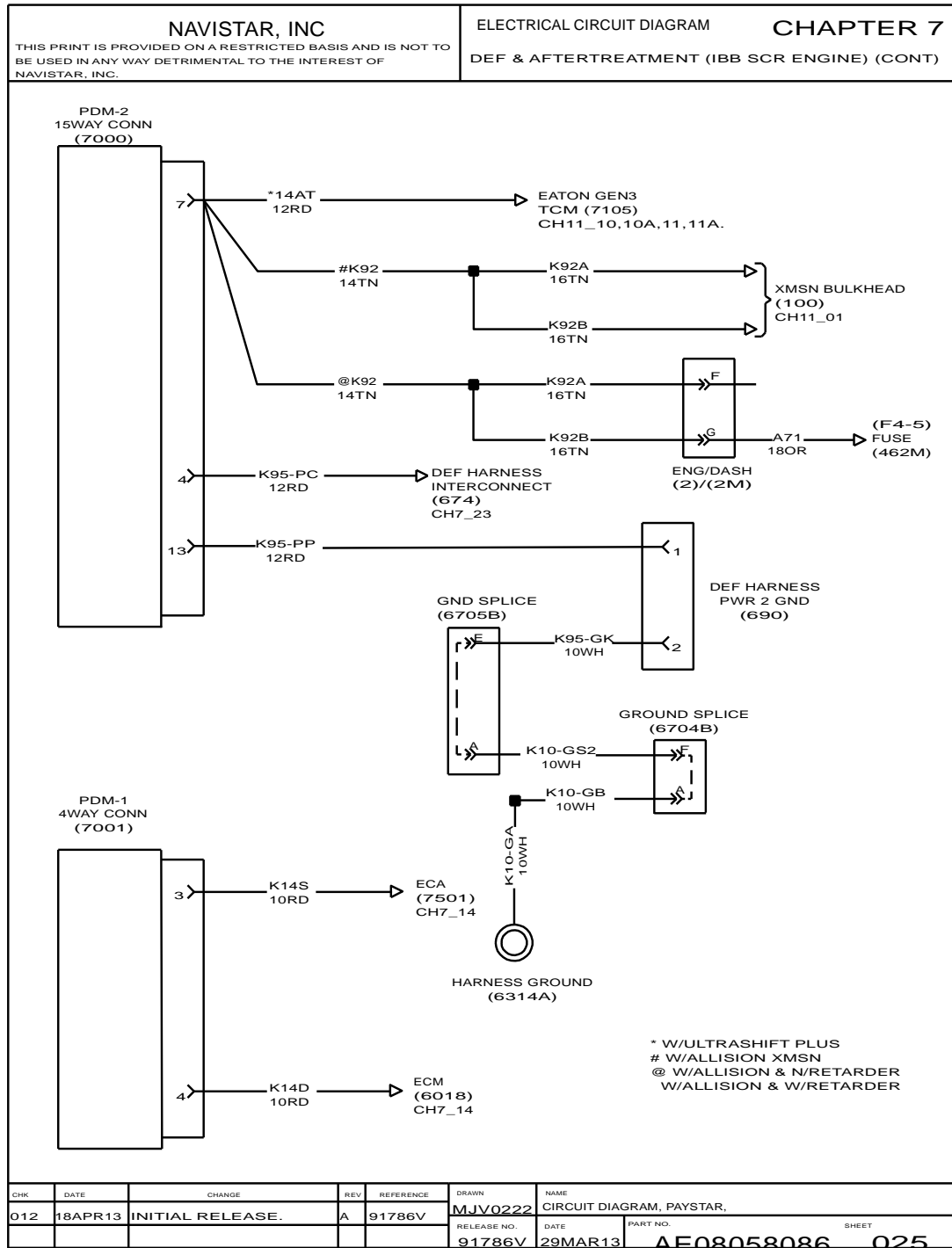


Figure 103 DEF & Aftertreatment (IBB SCR ENG) (Cont.)

7.31. 15L ISX & IBB SCR ENG THROTTLE POSITION, P. 26

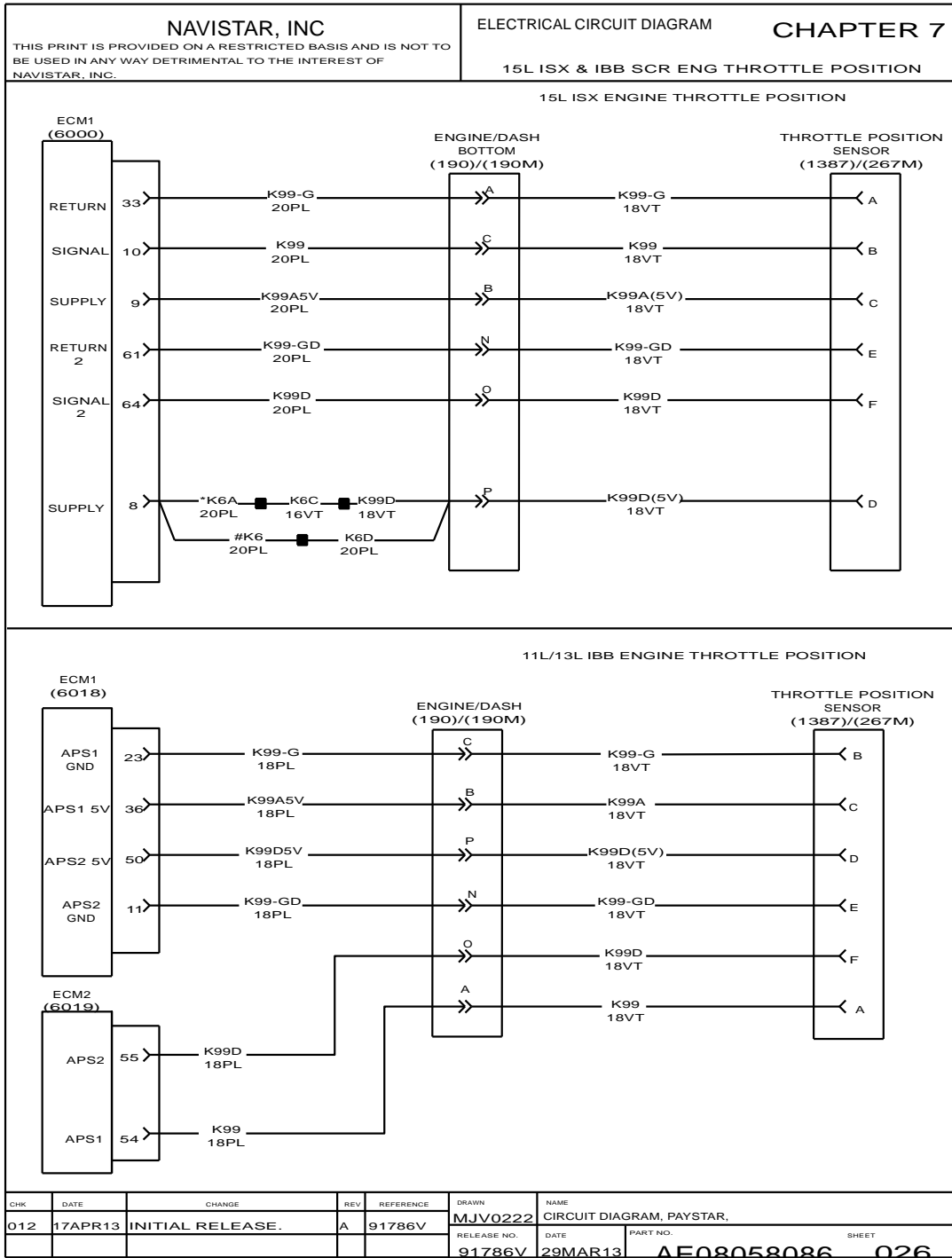


Figure 104 15L ISX & IBB SCR ENG Throttle Position

7.32. DEF & AFTERTREATMENT (SCR ENGINE), P. 27

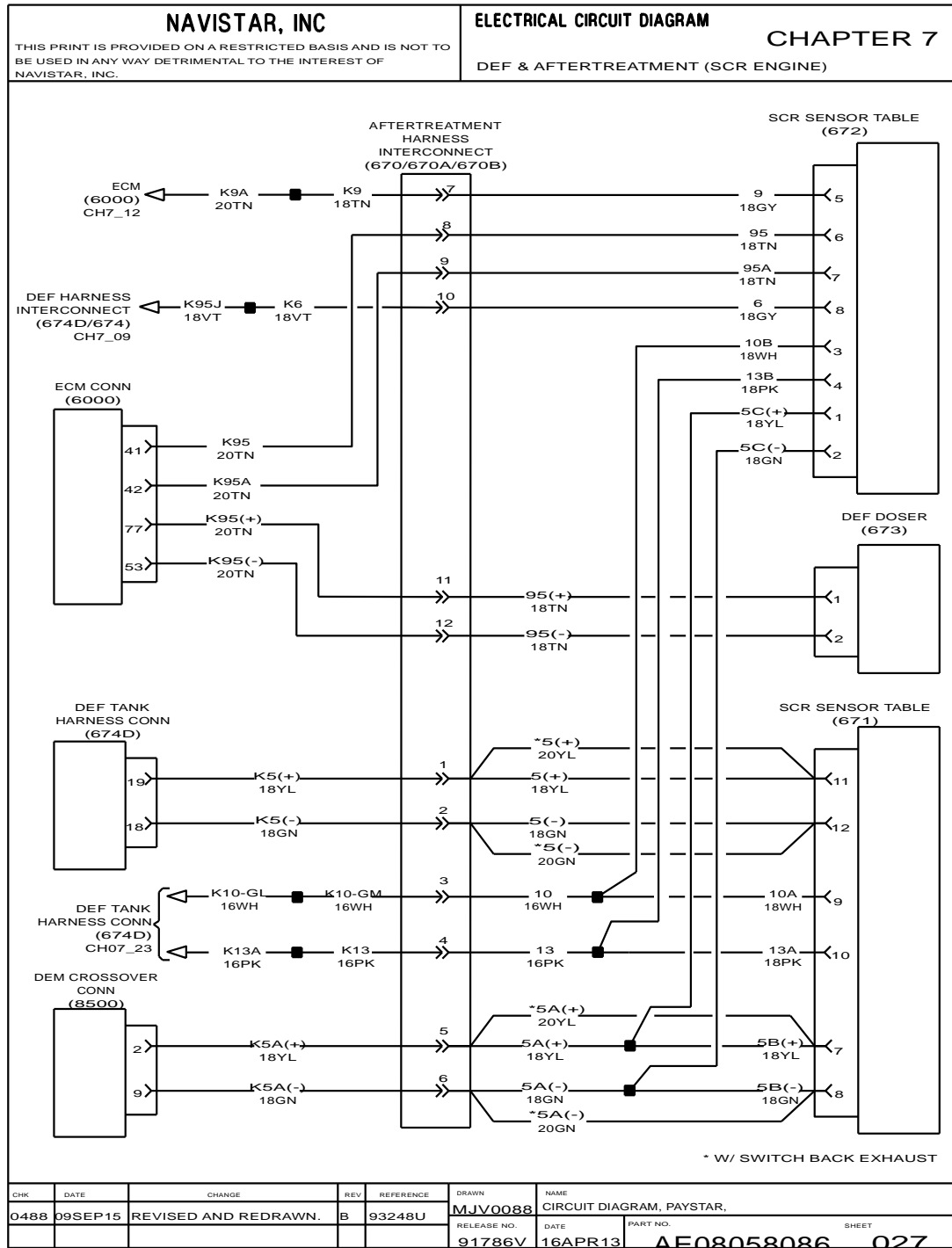


Figure 105 DEF & Aftertreatment (SCR Engine)

7.33. DEF & AFTERTREATMENT (SCR ENGINE) (CONT.), P. 27A

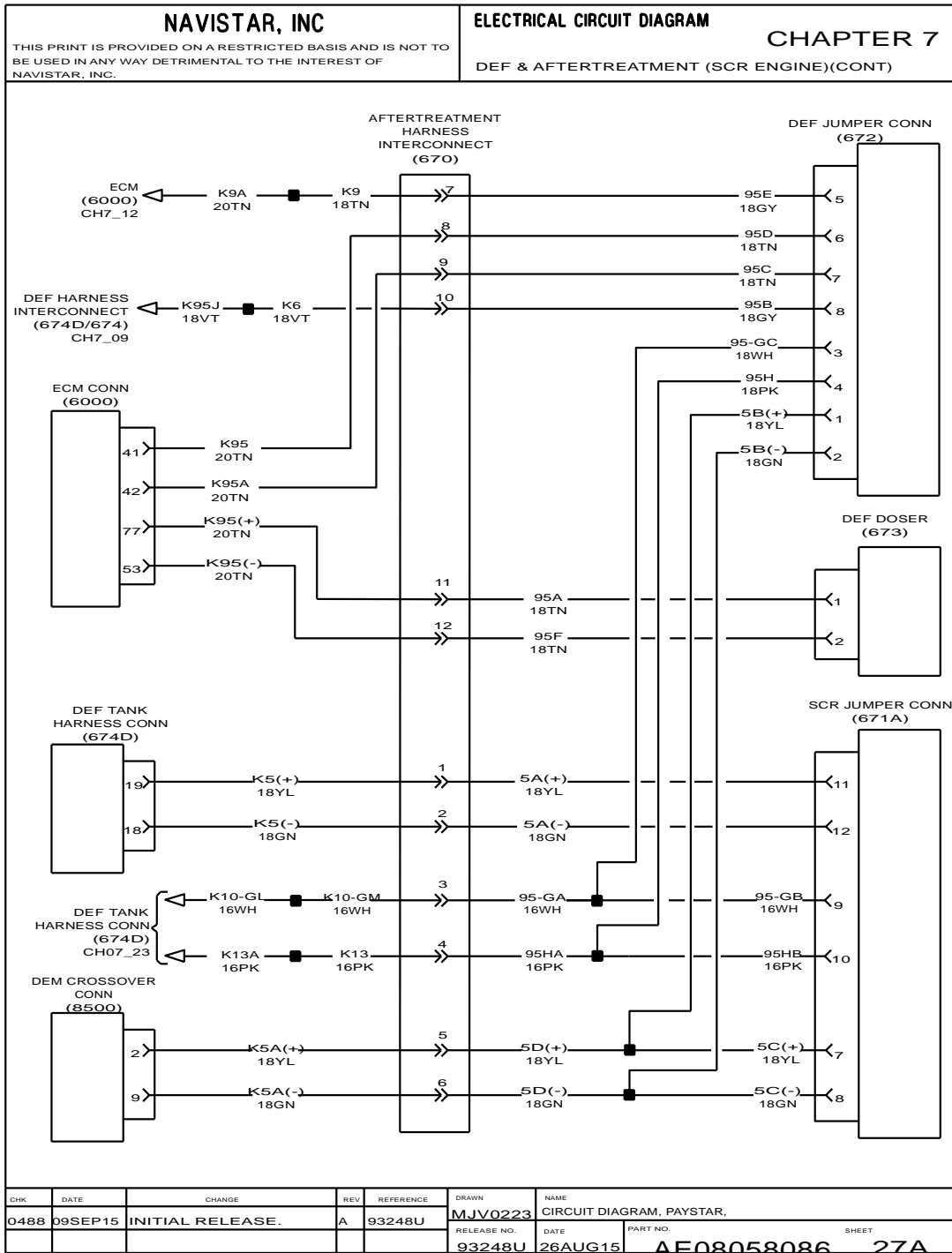


Figure 106 DEF & Aftertreatment (SCR Engine) (Cont.)

7.34. DEF & AFTERTREATMENT (SCR ENGINE) (CONT.), P. 28

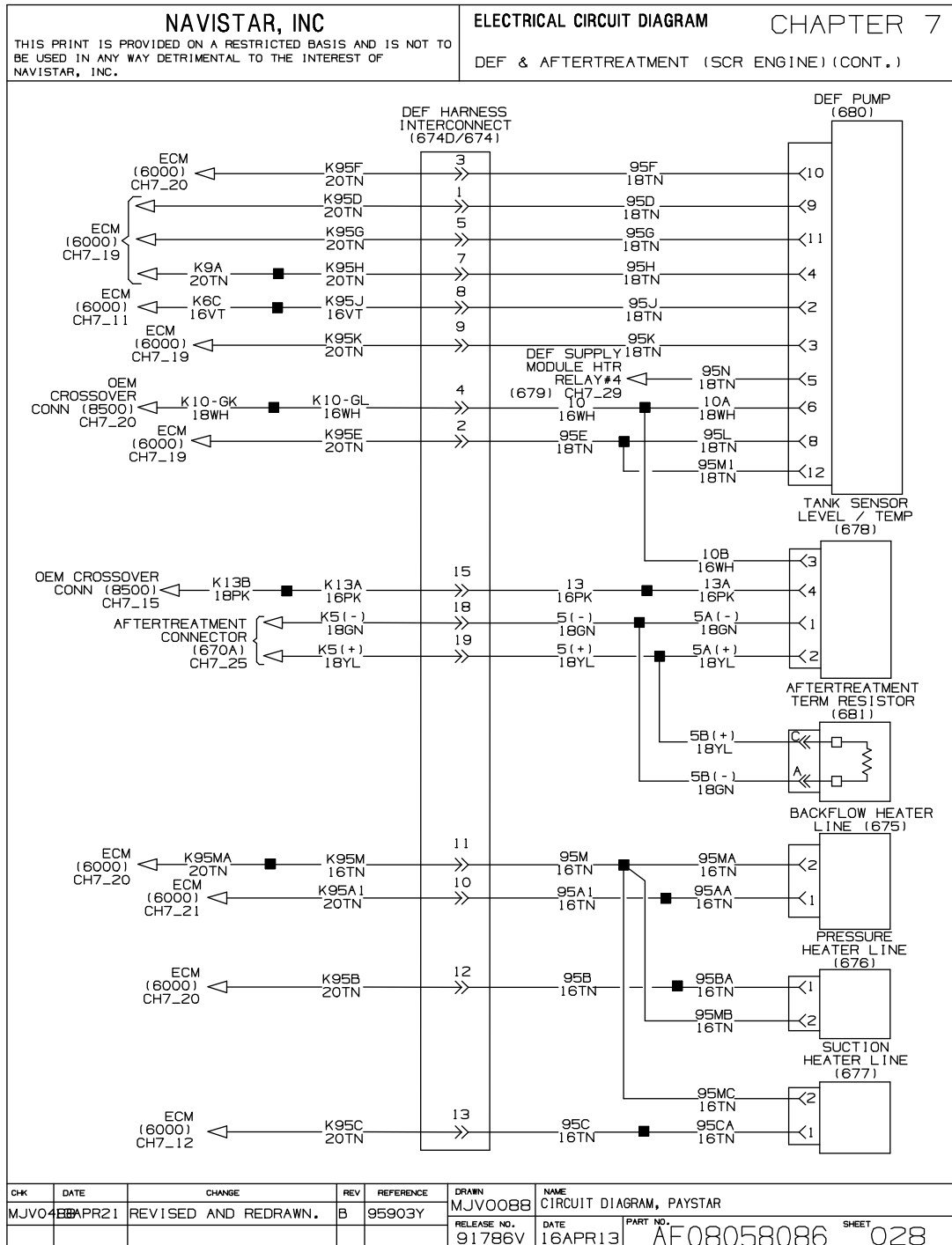


Figure 107 DEF & Aftertreatment (SCR Engine) (Cont.)

7.35. DEF & AFTERTREATMENT (SCR ENGINE) (CONT.), P. 29

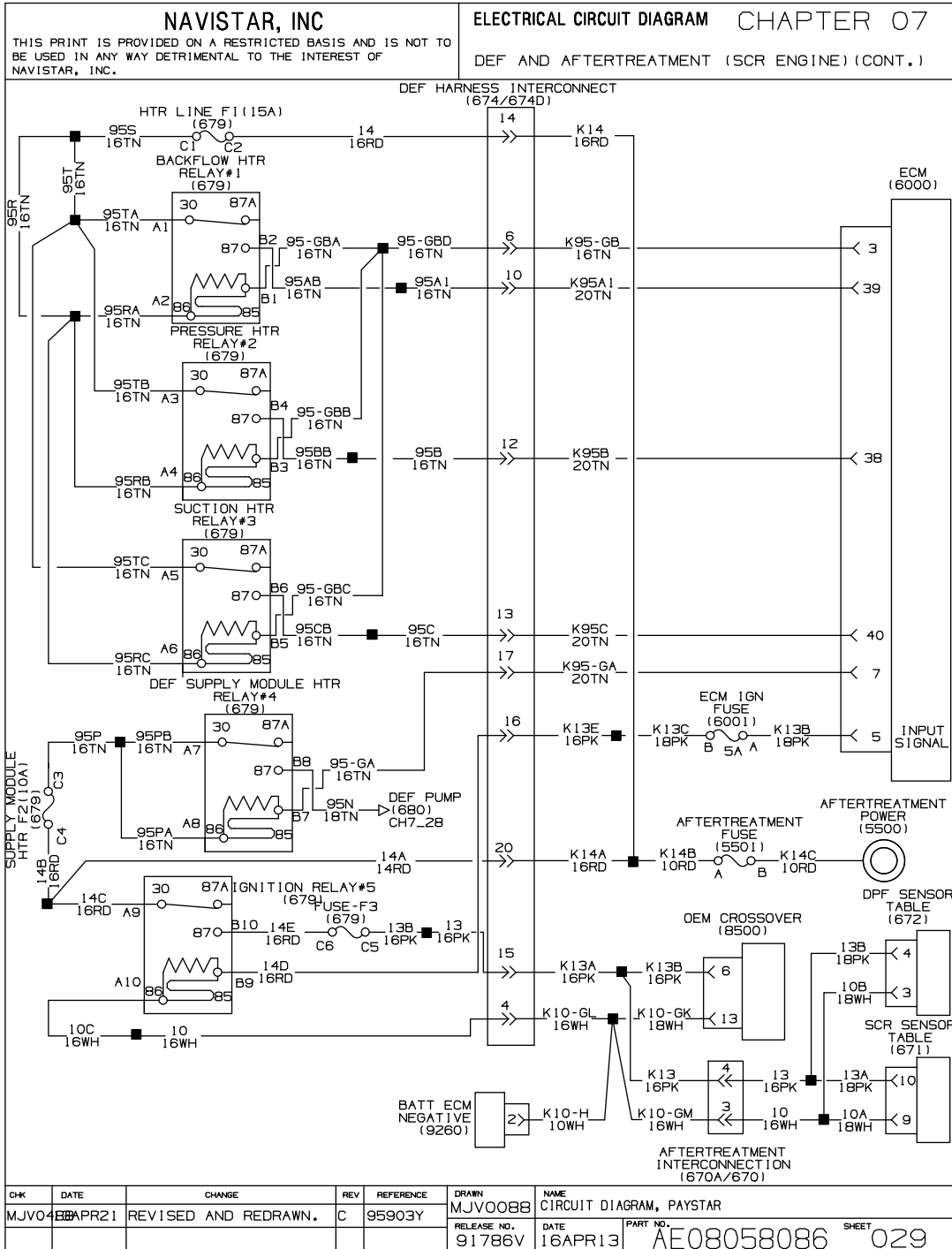


Figure 108 DEF & Aftertreatment (SCR Engine) (Cont.)

GAUGES AND WARNING LIGHTS (CHAPTER 8)

8.1. LOW FUEL LEVEL WARNING, LOW AIR PRESSURE WARNING LIGHTS, P. 1

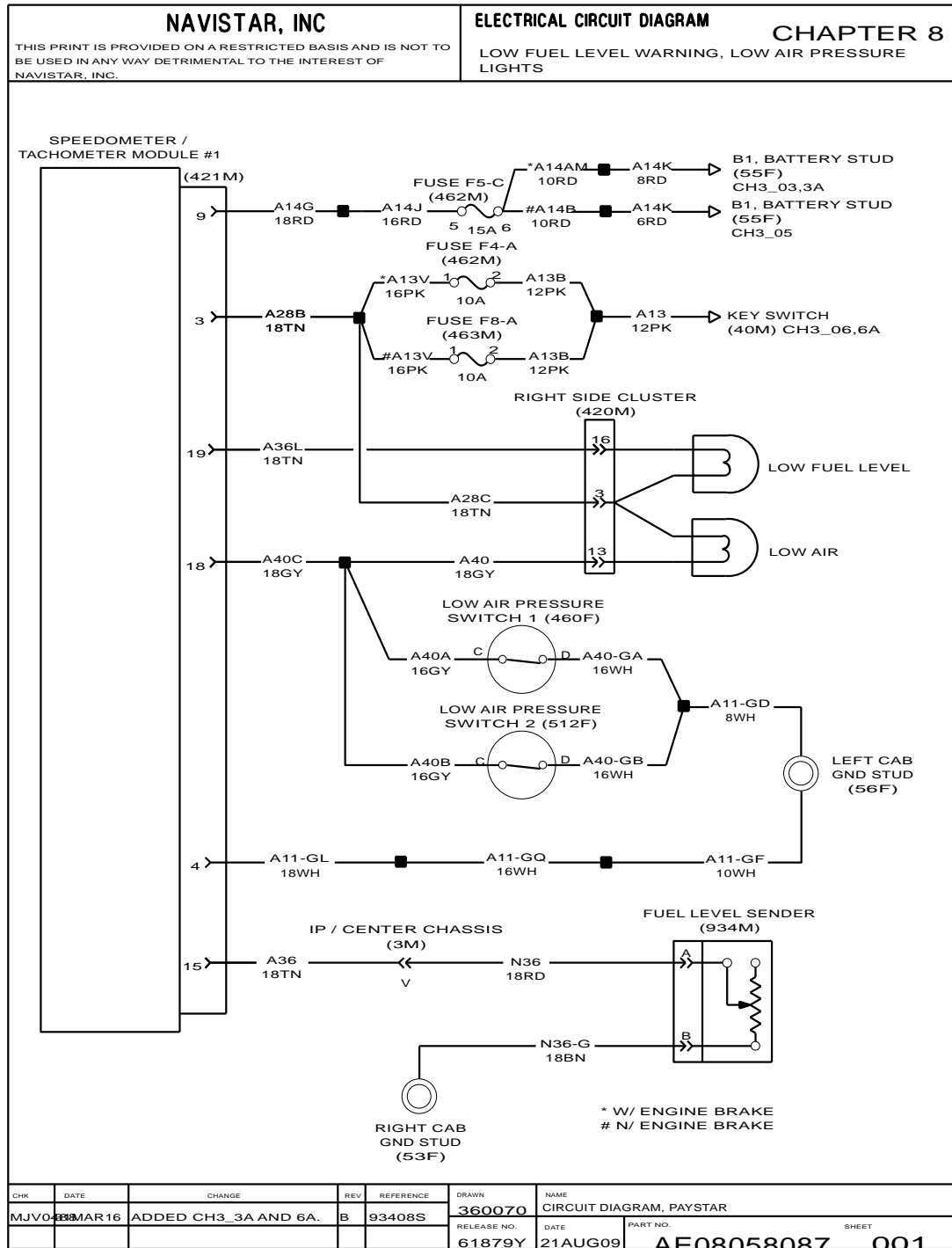


Figure 109 Low Fuel Level Warning, Low Air Pressure Warning Lights

8.2. ENGINE OIL PRESSURE, ENGINE WATER TEMPERATURE WARNING LIGHTS, ENGINE AMBIENT AIR TEMP, P. 2

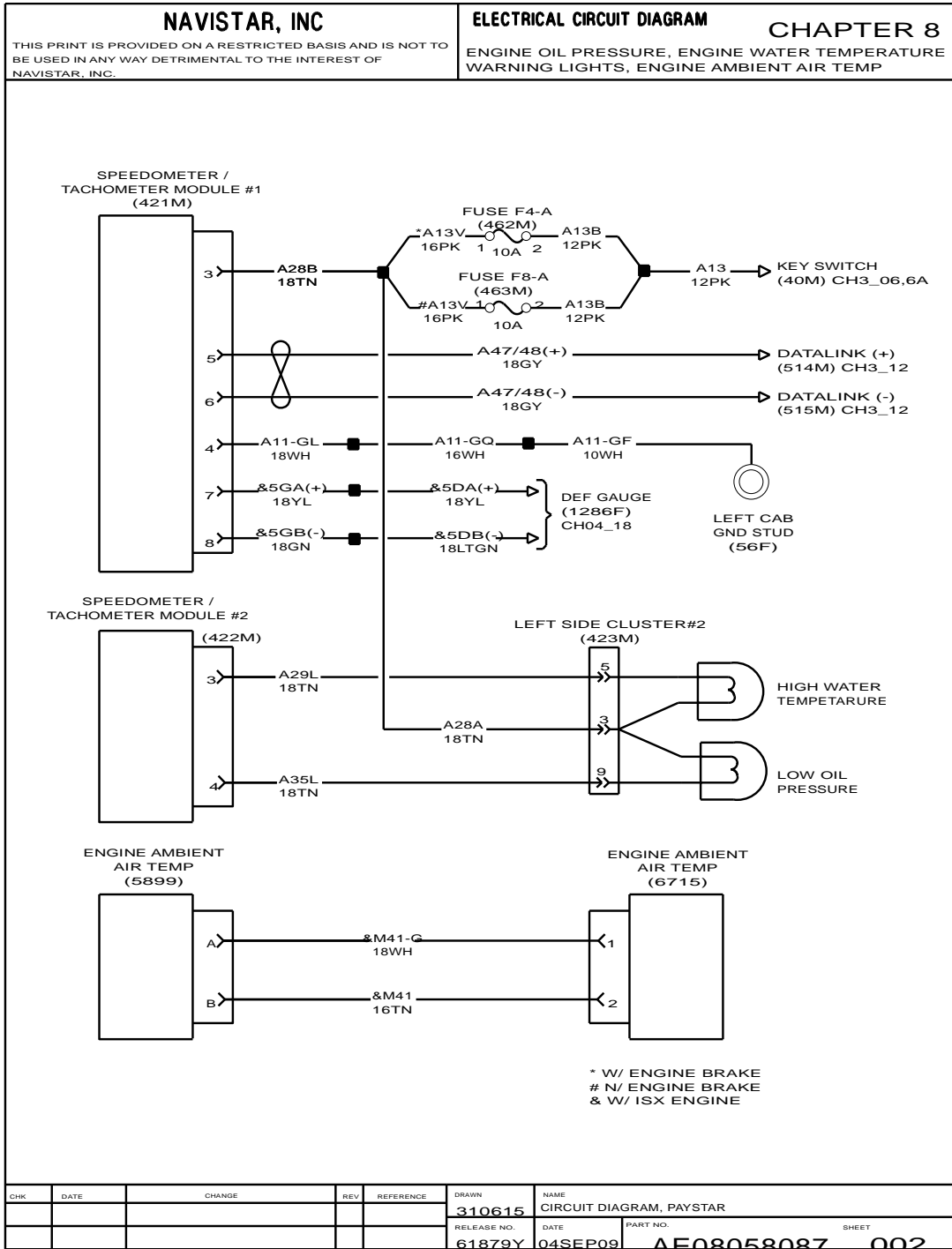


Figure 110 Engine Oil Pressure, Engine Water Temperature Warning Lights, Engine Ambient Air Temp

8.3. POWER DIVIDER LOCK (PDL) WARNING LIGHT AND BUZZER, IBB WAIT TO START LIGHT, P. 3

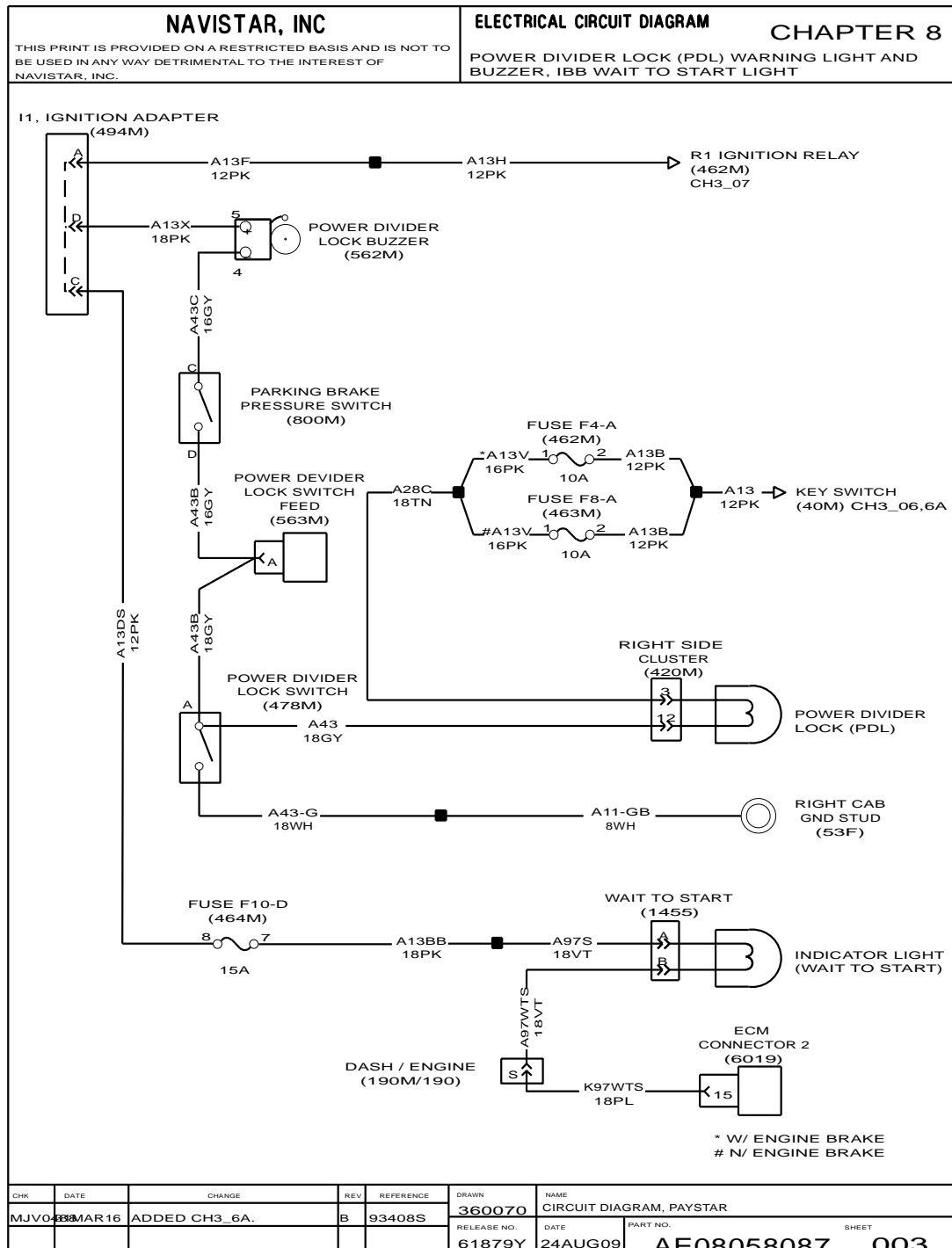


Figure 111 Power Divider Lock (PDL) Warning Light and Buzzer, IBB Wait To Start Light

8.4. AIR SUSPENSION RELEASE WARNING LIGHT, P. 4

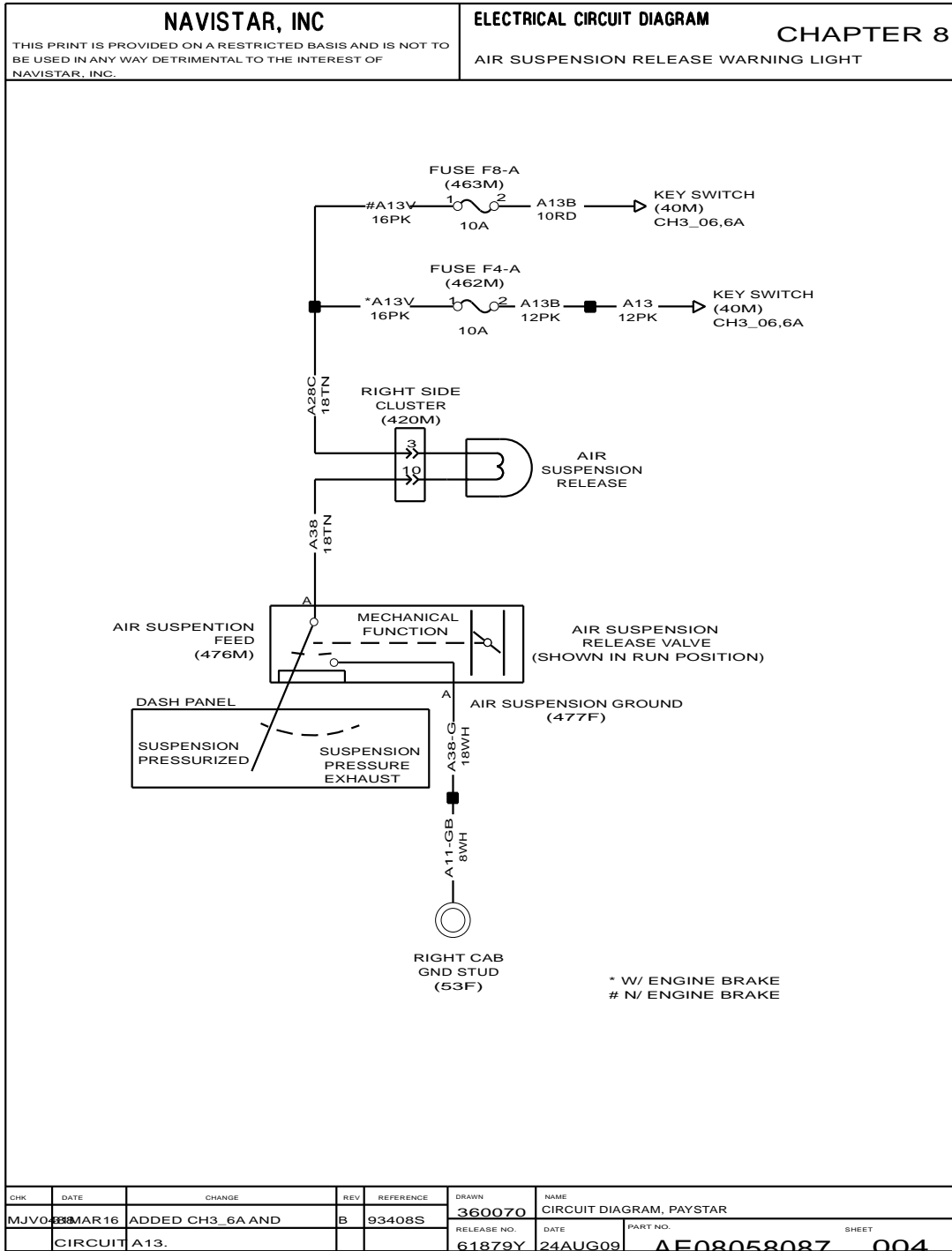


Figure 112 Air Suspension Release Warning Light

8.5. TRANSMISSION OIL TEMPERATURE GAUGE, AXLE FORWARD-REAR AND REAR-REAR TEMPERATURE GAUGE, P. 5

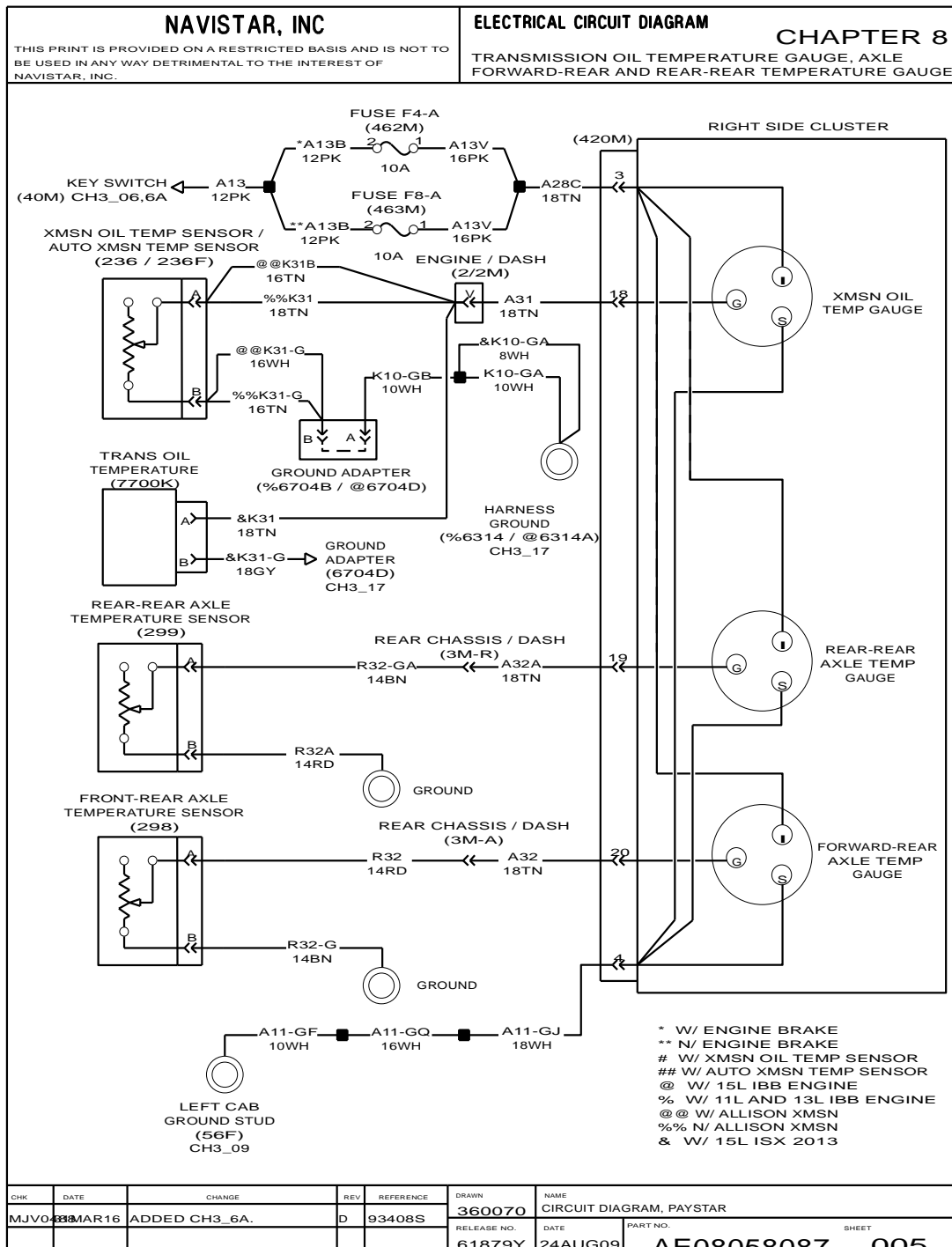


Figure 113 Transmission Oil Temperature Gauge, Axle Forward-Rear and Rear-Rear Temperature Gauge

8.6. MANIFOLD PRESSURE GAUGE, P. 6

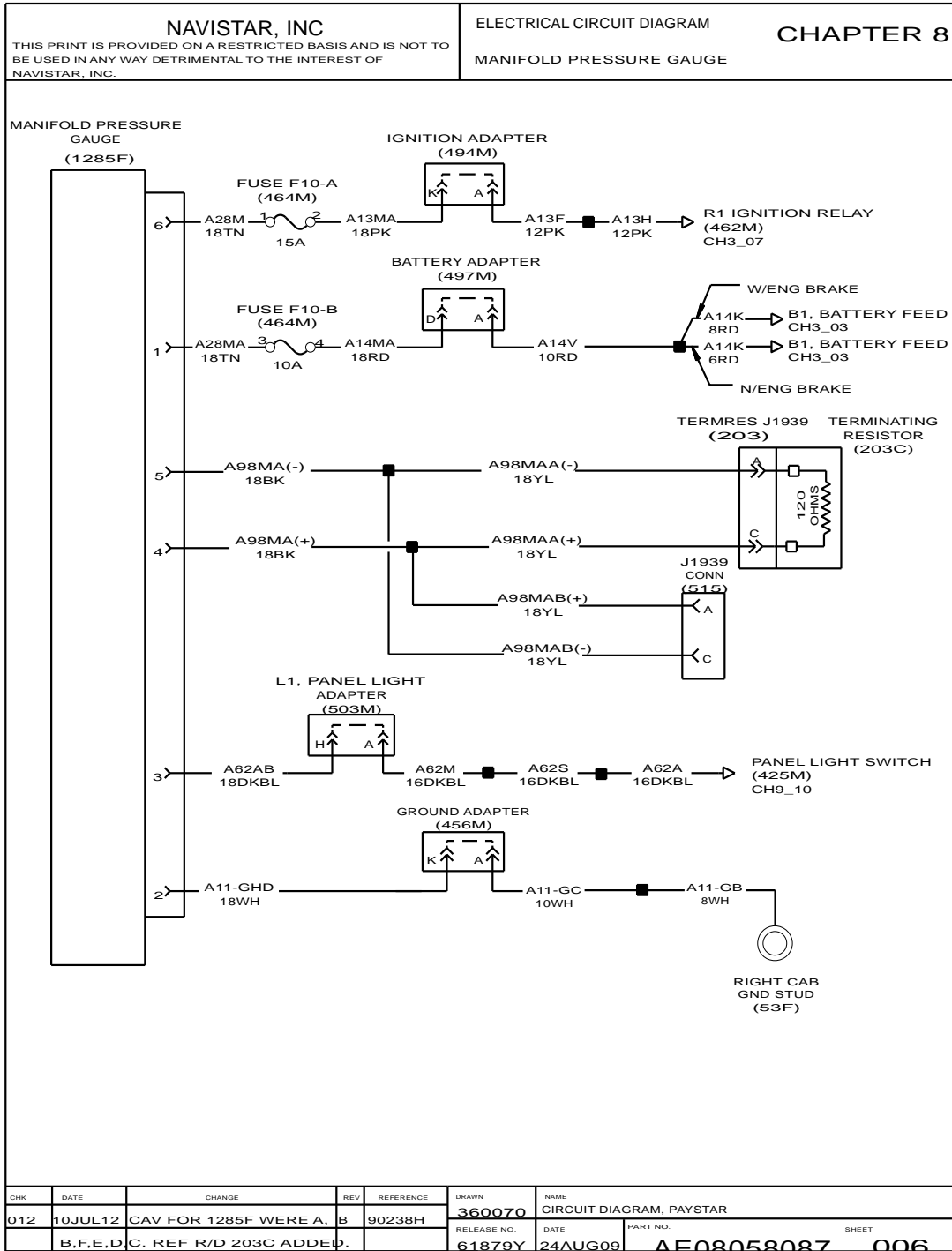


Figure 114 Manifold Pressure Gauge

8.7. PYROMETER GAUGE, P. 7

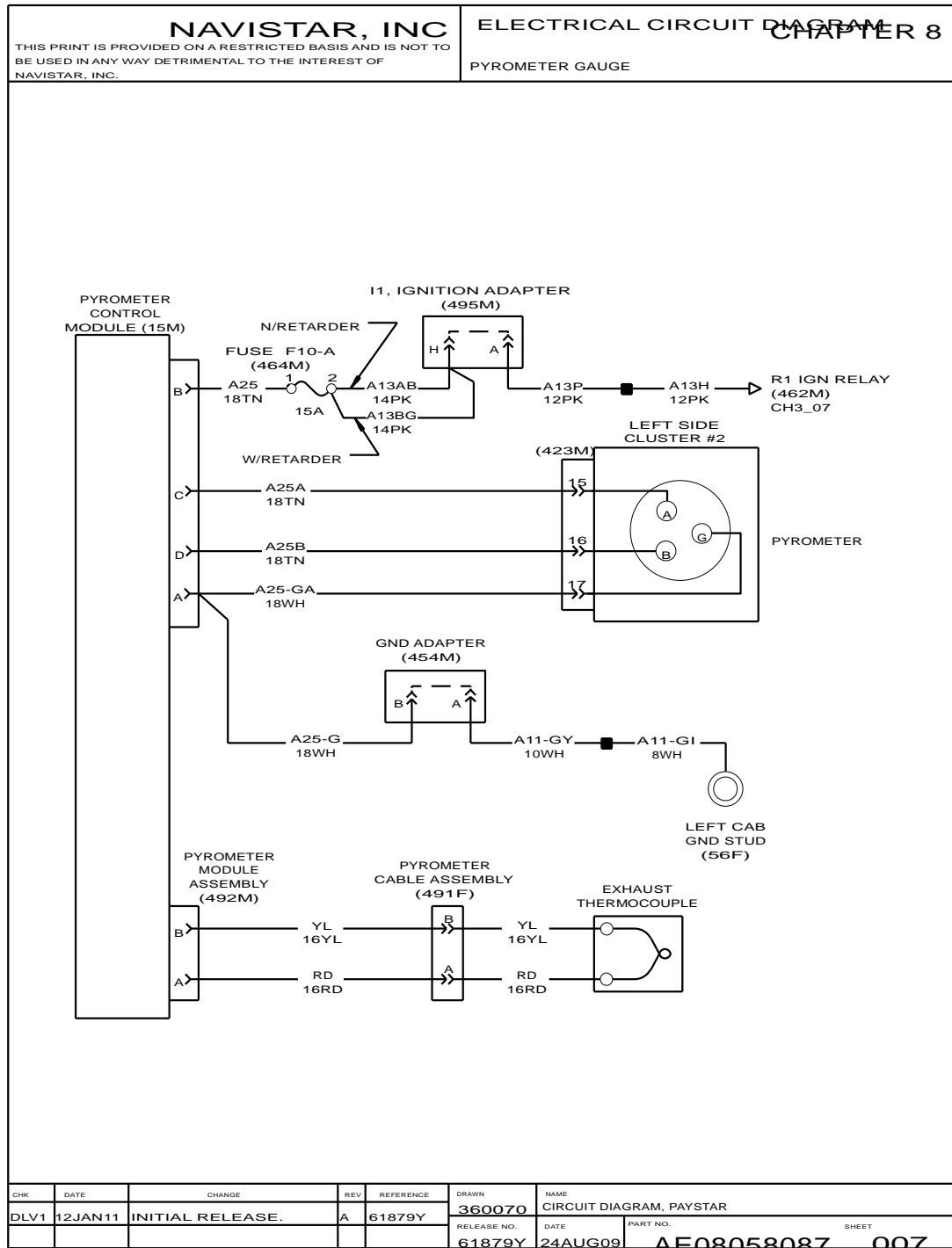


Figure 115 Pyrometer Gauge

8.8. VOLTMETER AND FUEL LEVEL GAUGE, P. 8

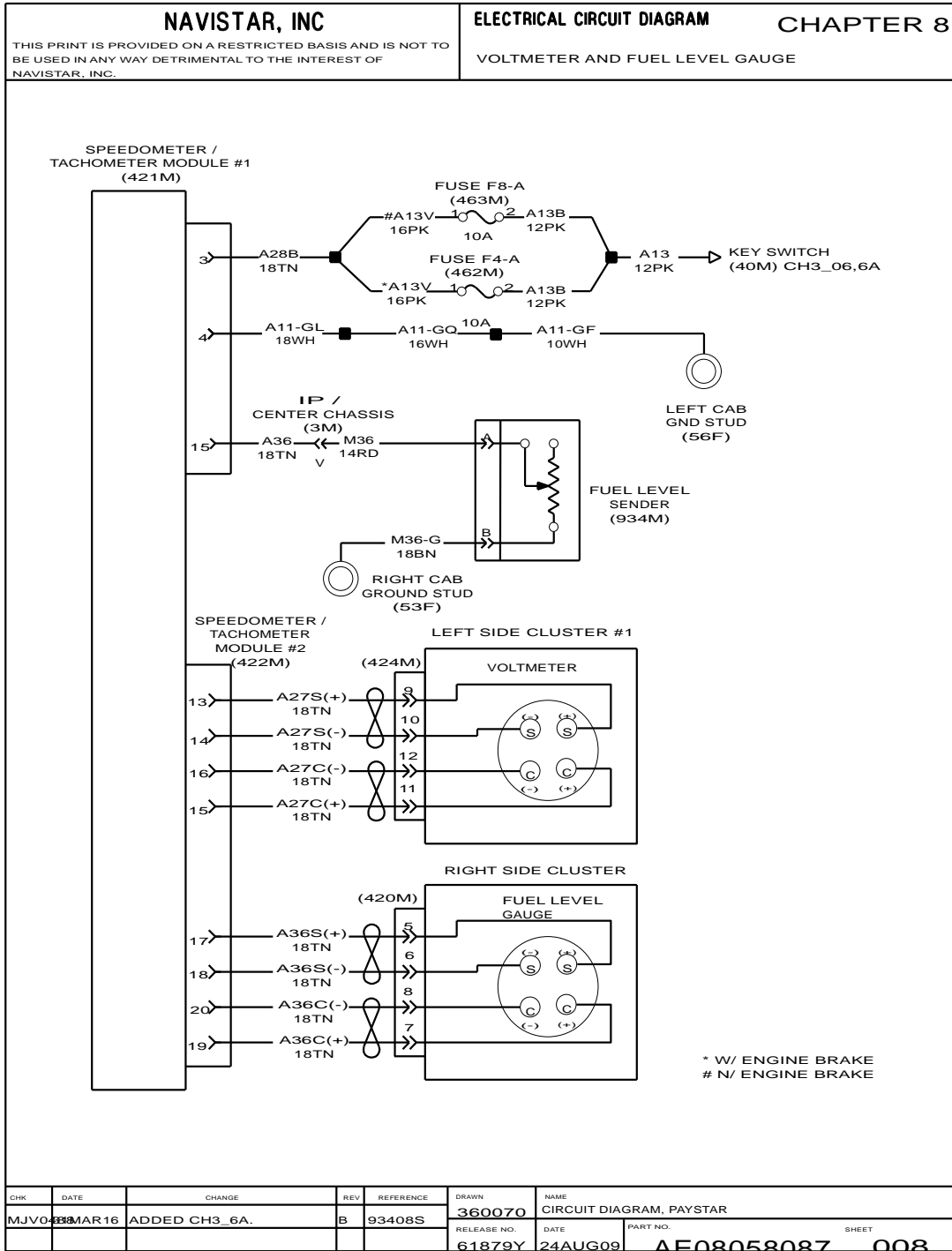


Figure 116 Voltmeter and Fuel Level Gauge

8.9. ENGINE WATER TEMPERATURE, ENGINE OIL PRESSURE, SPEEDOMETER AND TACHOMETER GAUGE, P. 9

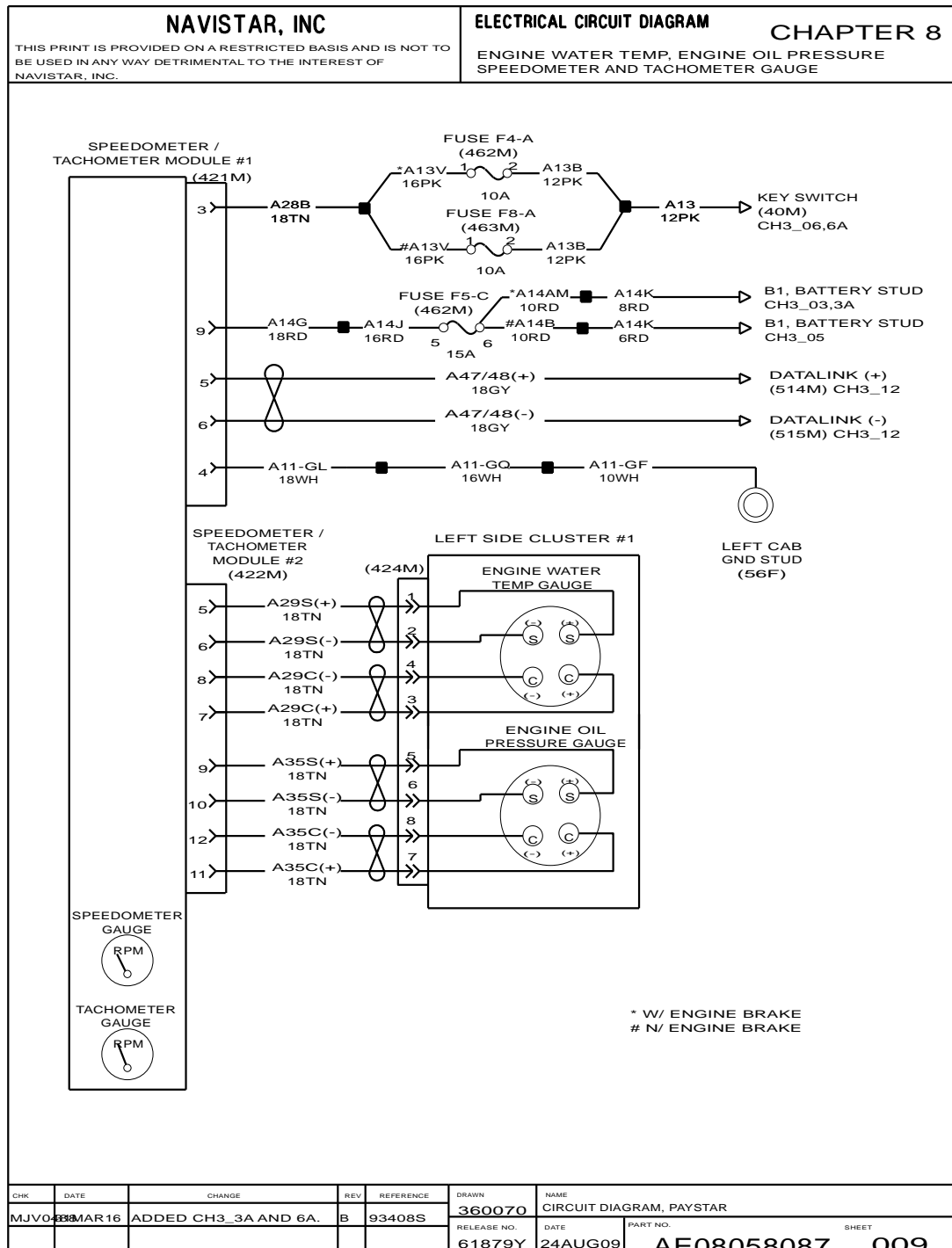


Figure 117 Engine Water Temperature, Engine Oil Pressure, Speedometer and Tachometer Gauge

8.10. ETHER START, P. 10

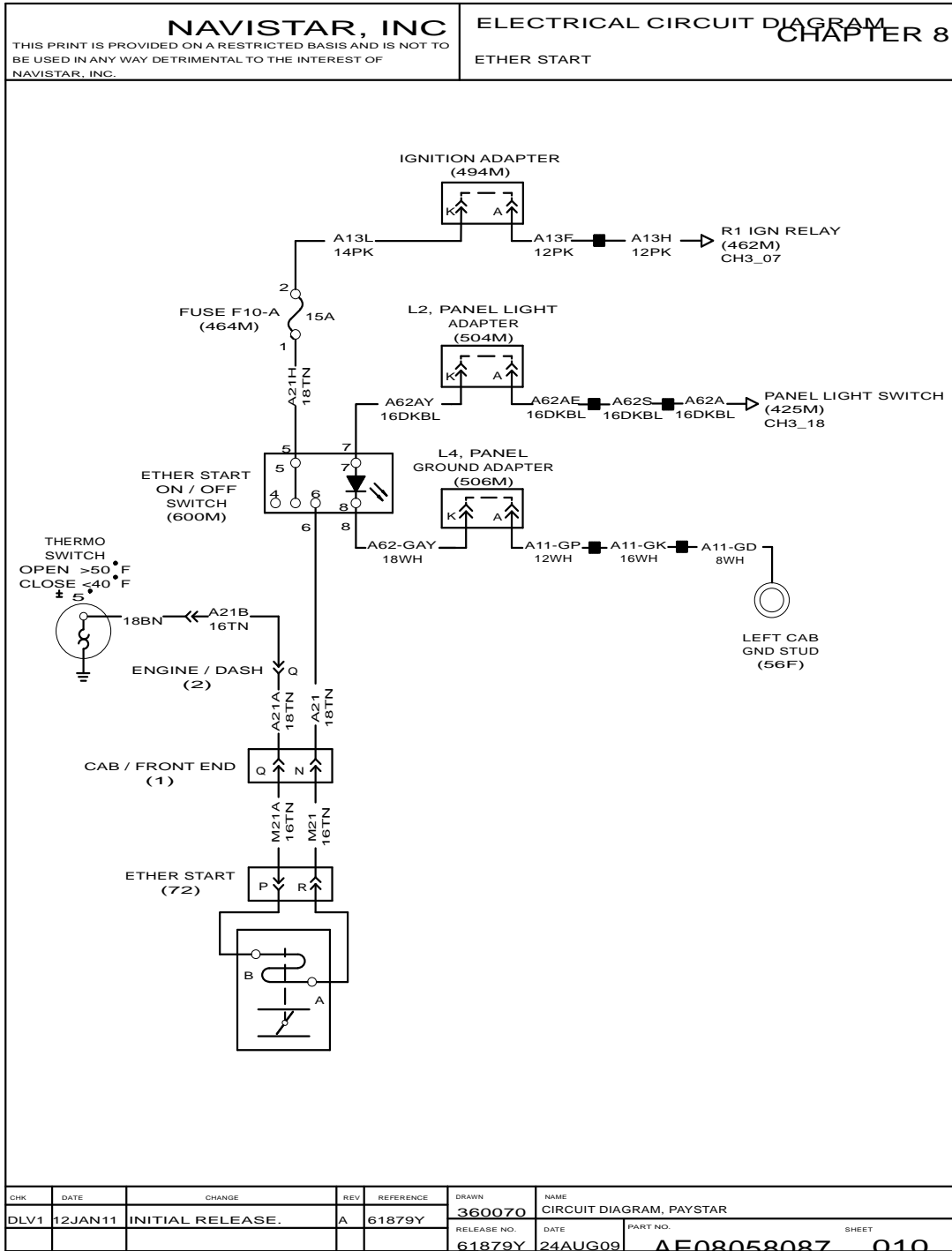


Figure 118 Ether Start

8.11. RED STOP LAMP BUZZER SYSTEM, P. 11

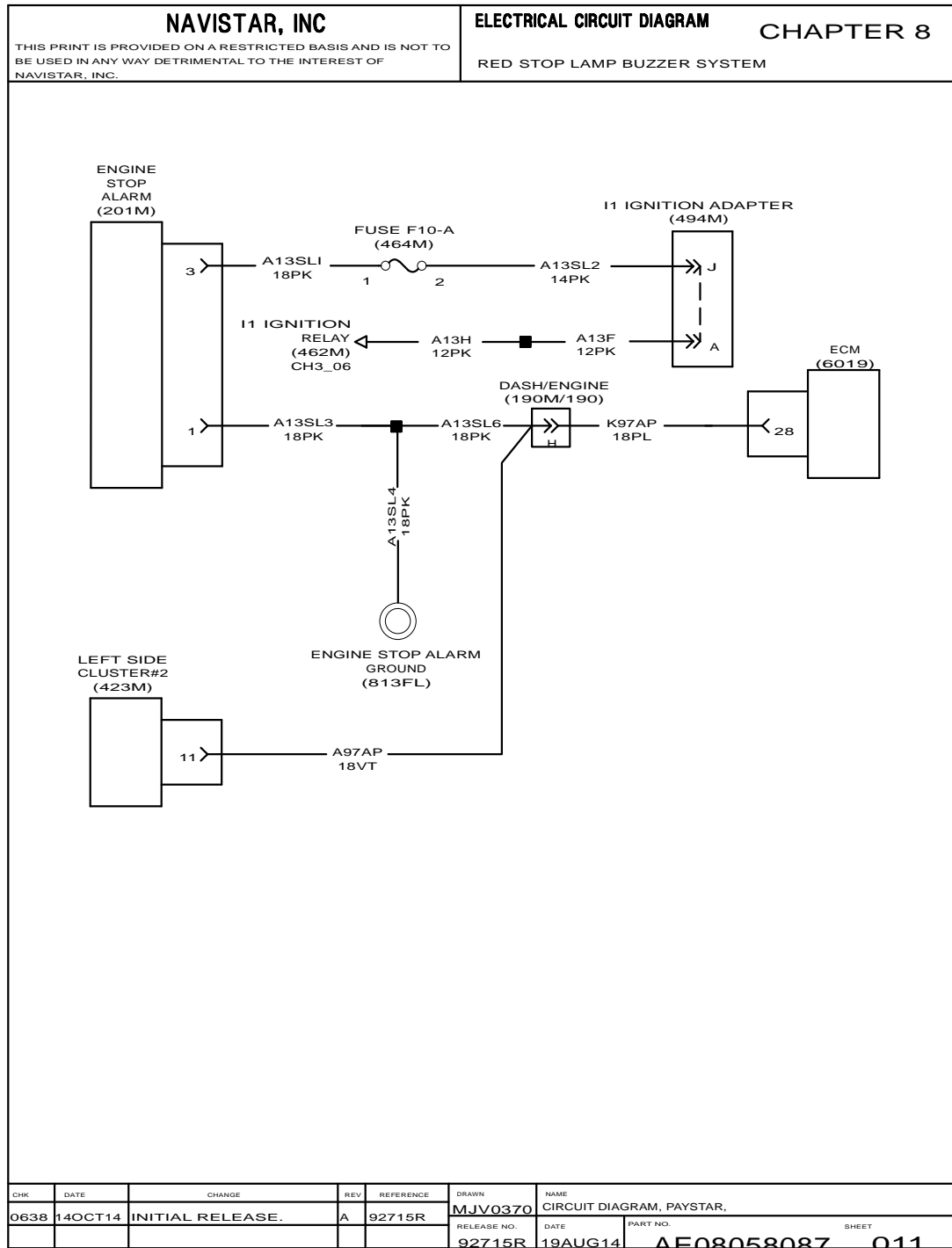


Figure 119 Red Stop Lamp Buzzer System

LIGHTING SYSTEM (CHAPTER 9)

9.1. BACKUP LIGHTS, P. 1

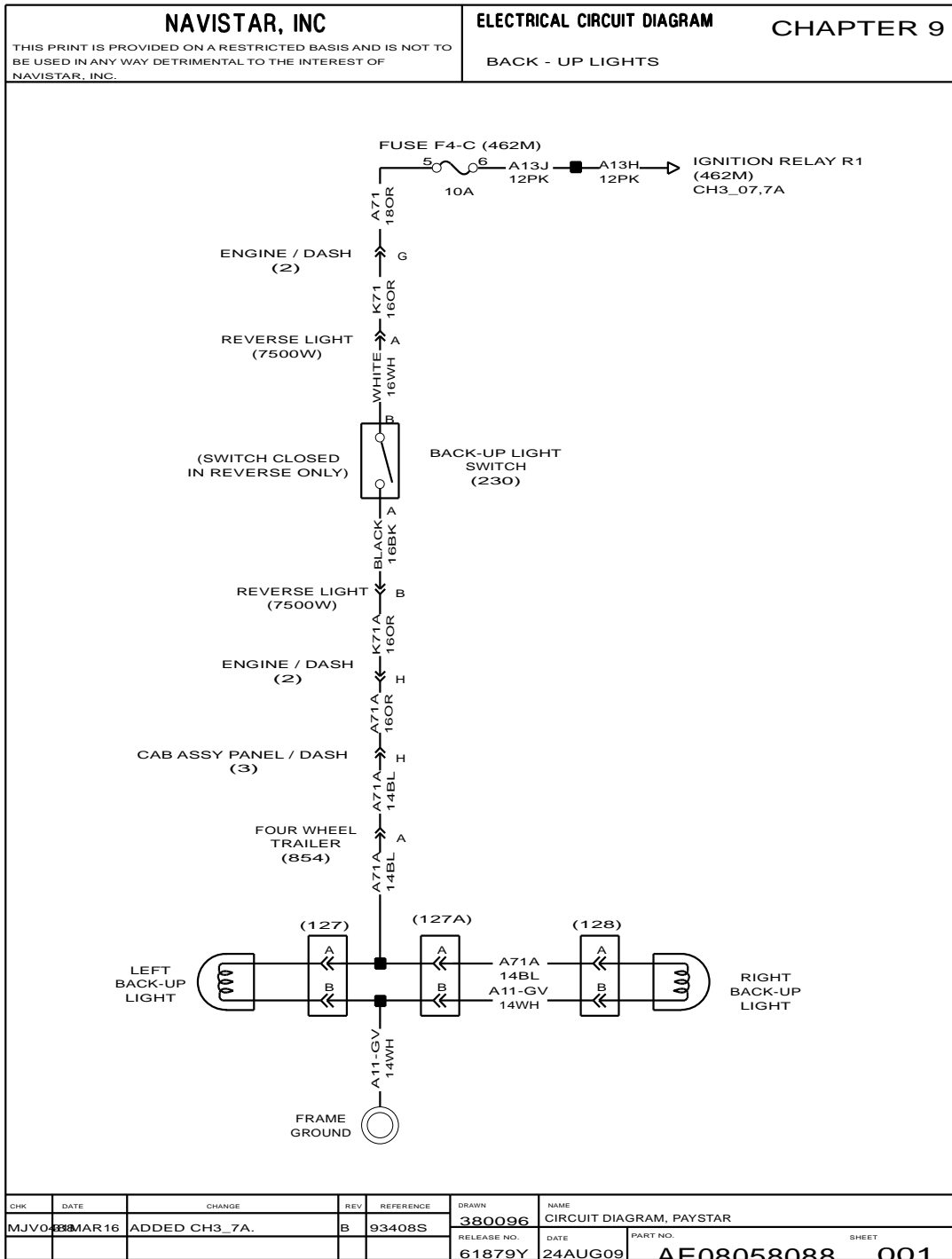


Figure 120 Backup Lights

9.2. CAB AND TRAILER LIGHT SWITCH AND RELAY, P. 2

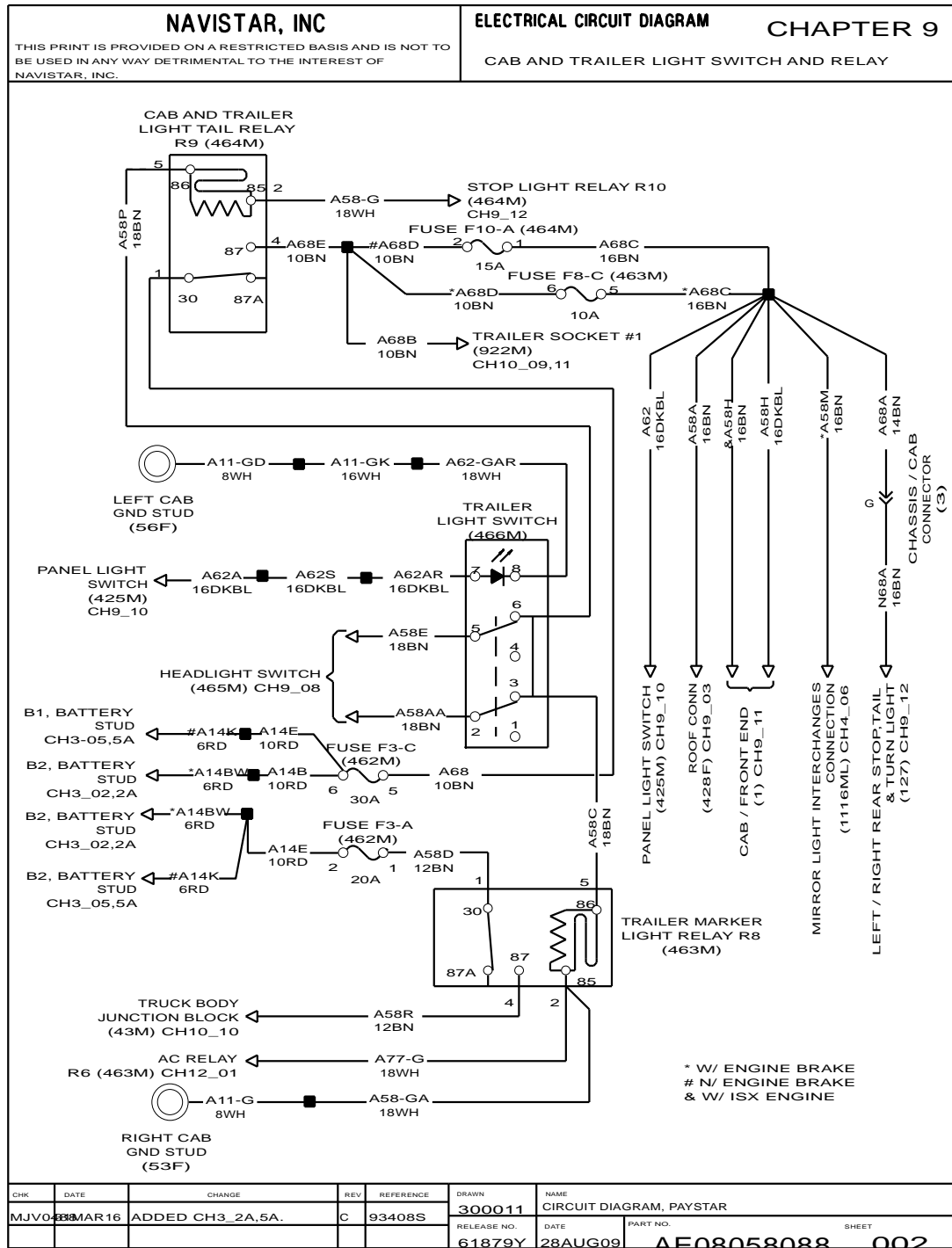


Figure 121 Cab and Trailer Light Switch and Relay

9.3. CAB CLEARANCE LIGHTS, P. 3

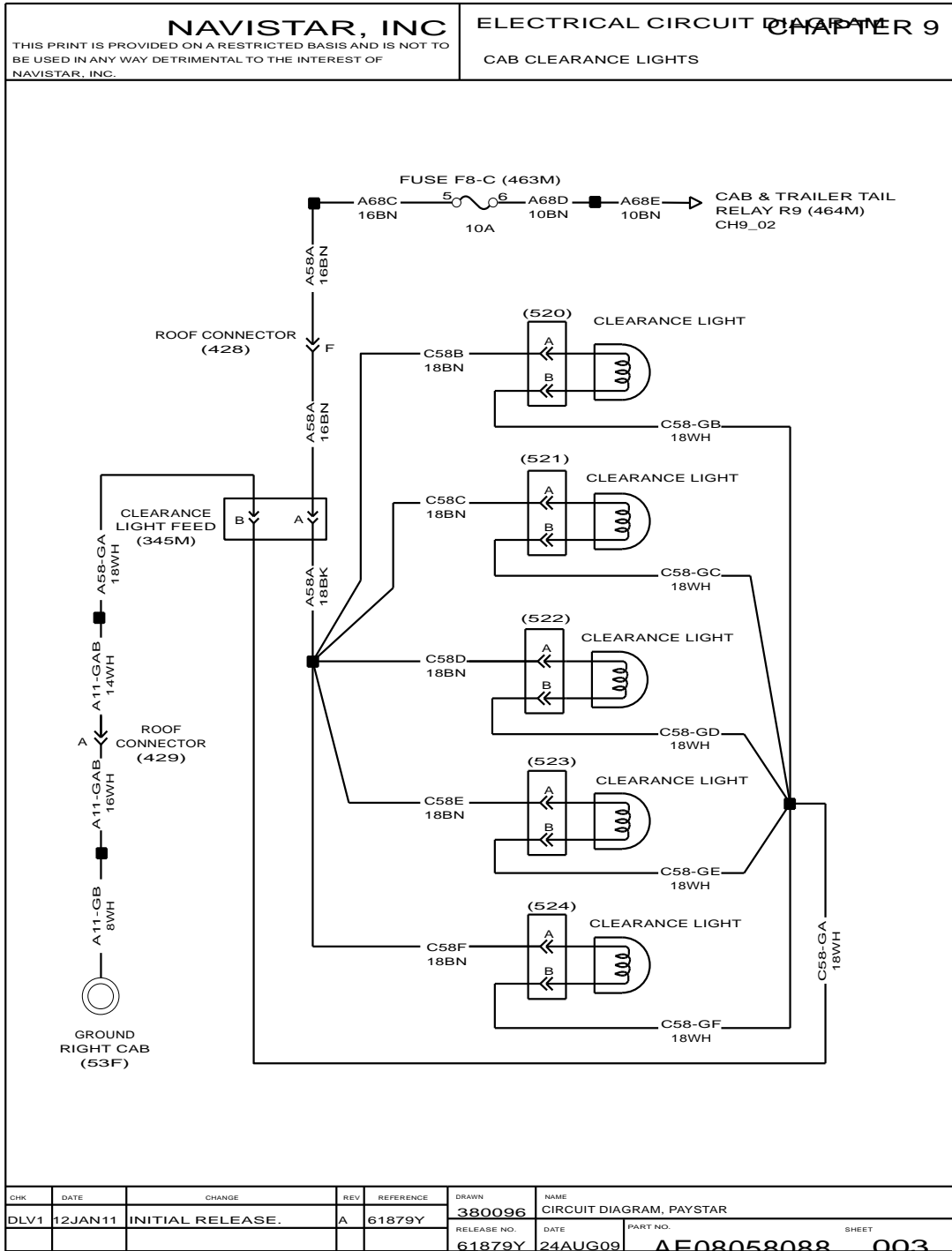


Figure 122 Cab Clearance Lights

9.4. WORK LIGHT WITHOUT SLEEPER, P. 4

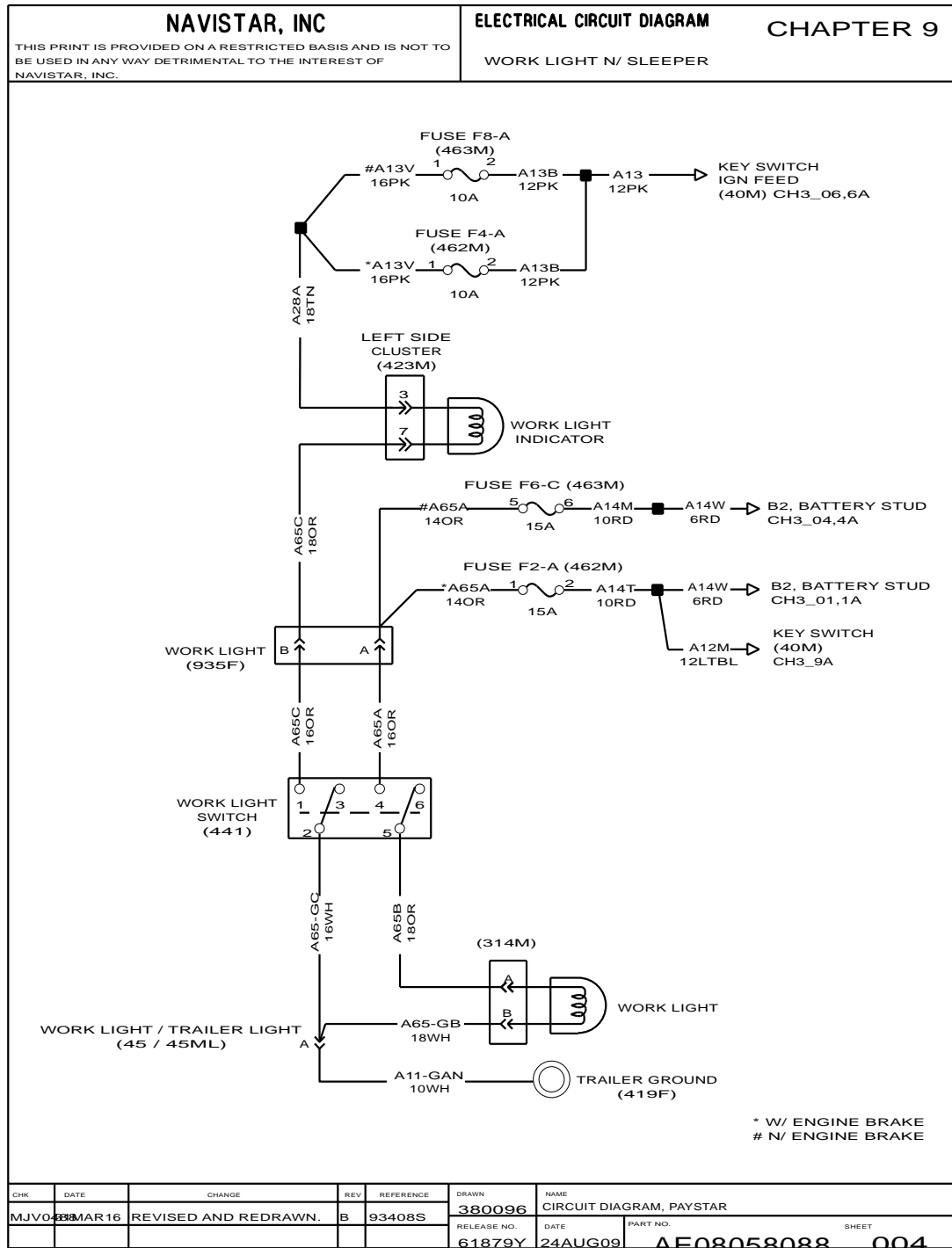


Figure 123 Work Light without Sleeper

9.5. CAB DOME, READING AND COURTESY LIGHTS, P. 5

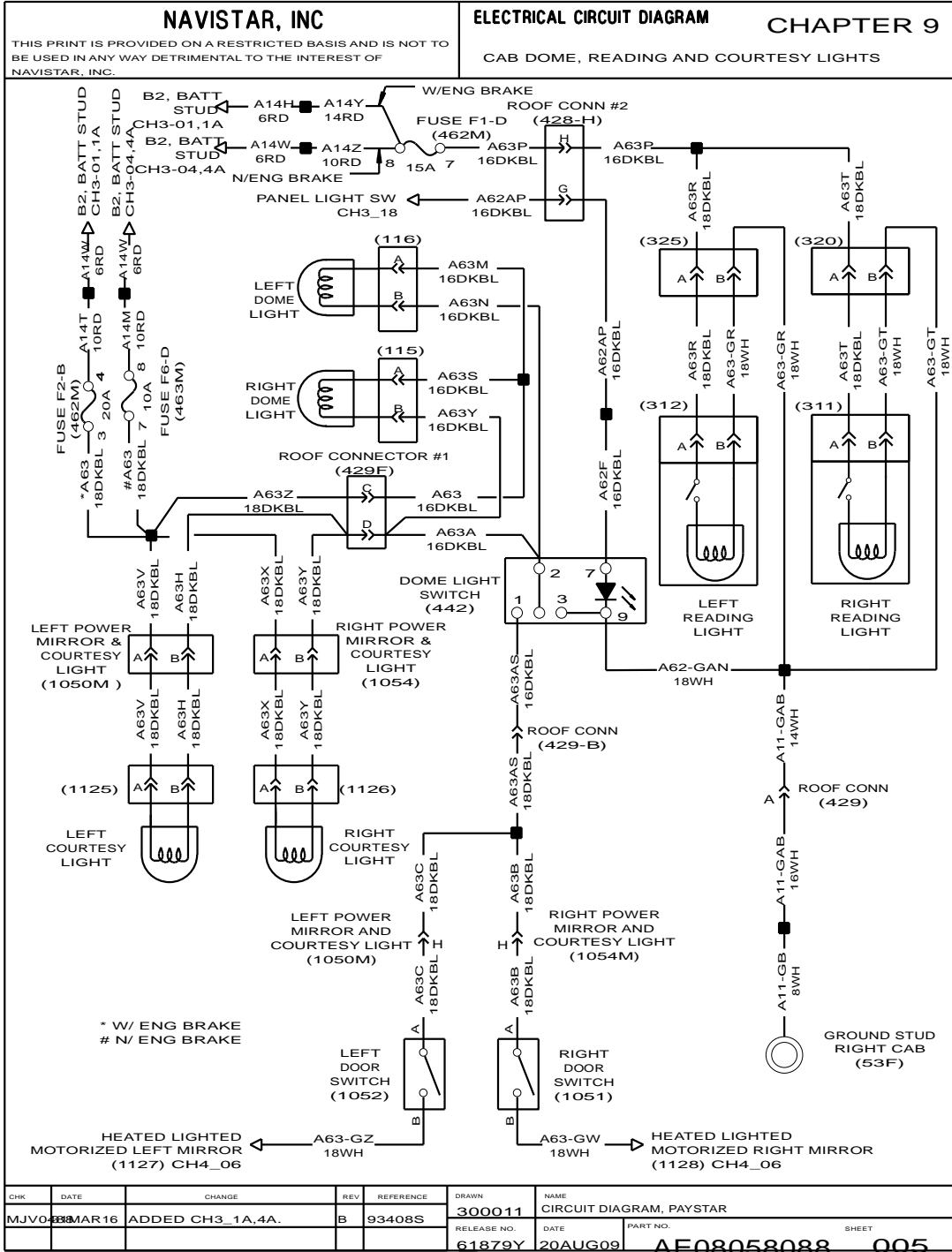


Figure 124 Cab Dome, Reading and Courtesy Lights

9.6. DAYTIME RUNNING LIGHTS, P. 6

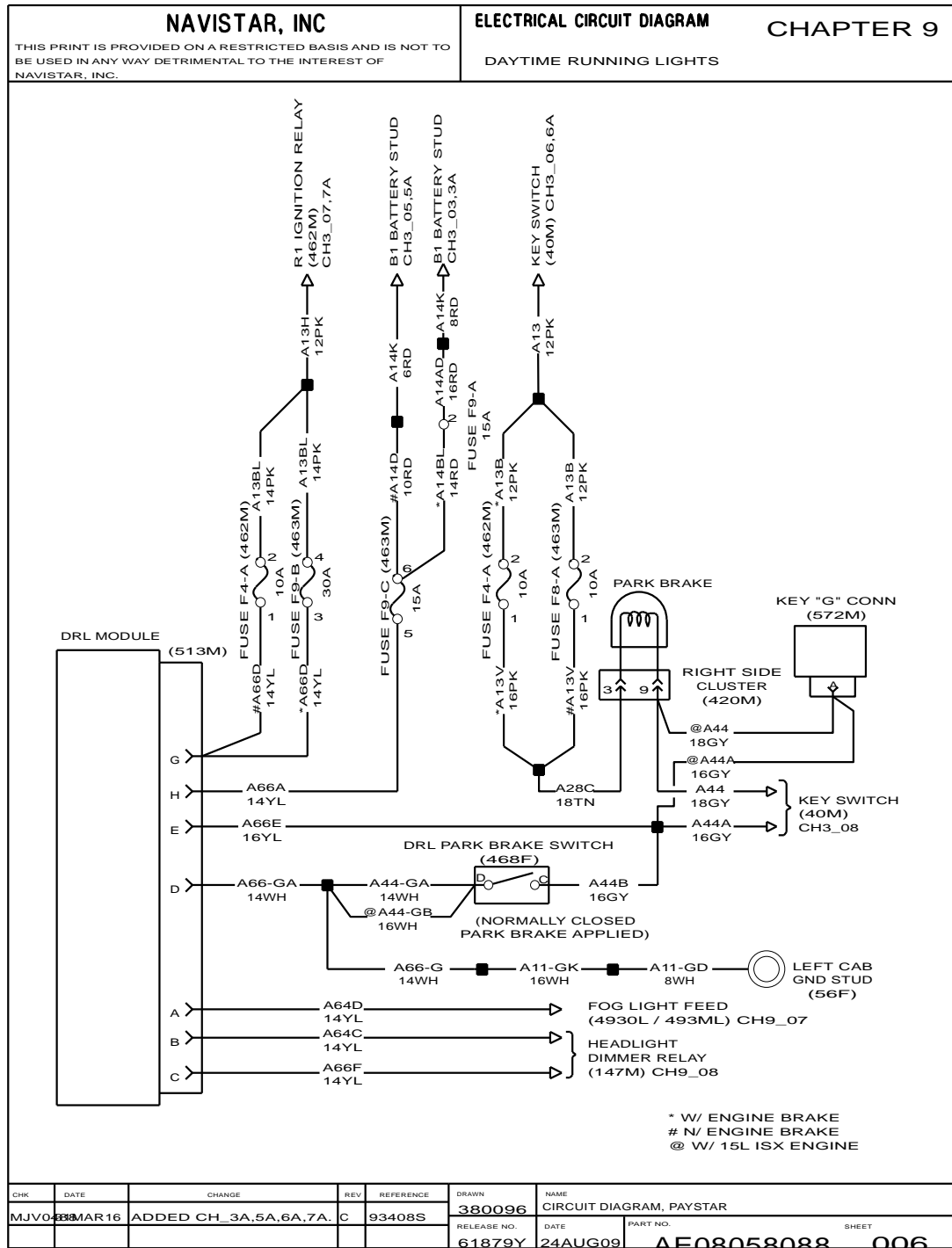


Figure 125 Daytime Running Lights

9.7. FOG LIGHTS, P. 7

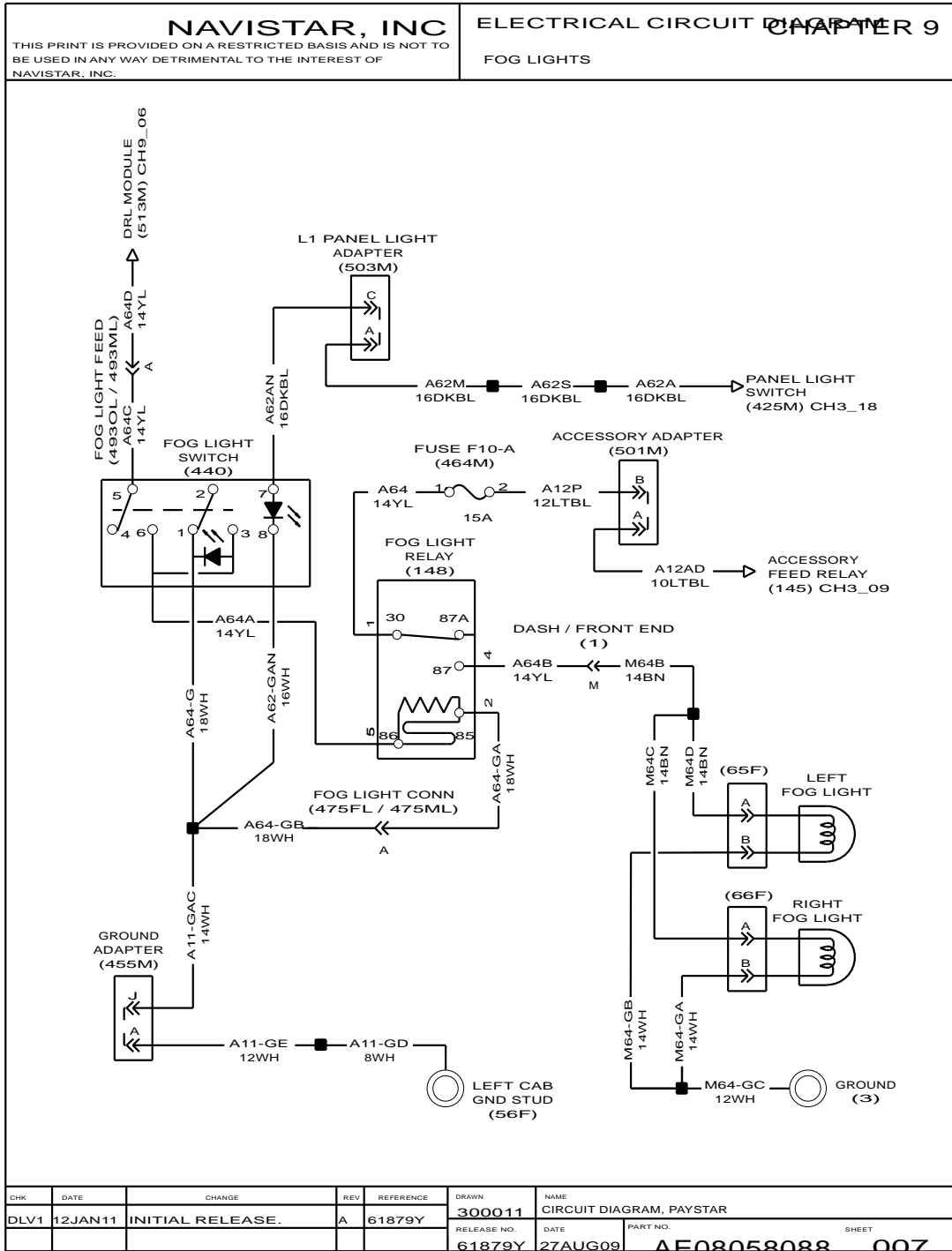


Figure 126 Fog Lights

9.8. HEADLIGHT SWITCH AND DIMMER SWITCH, P. 8

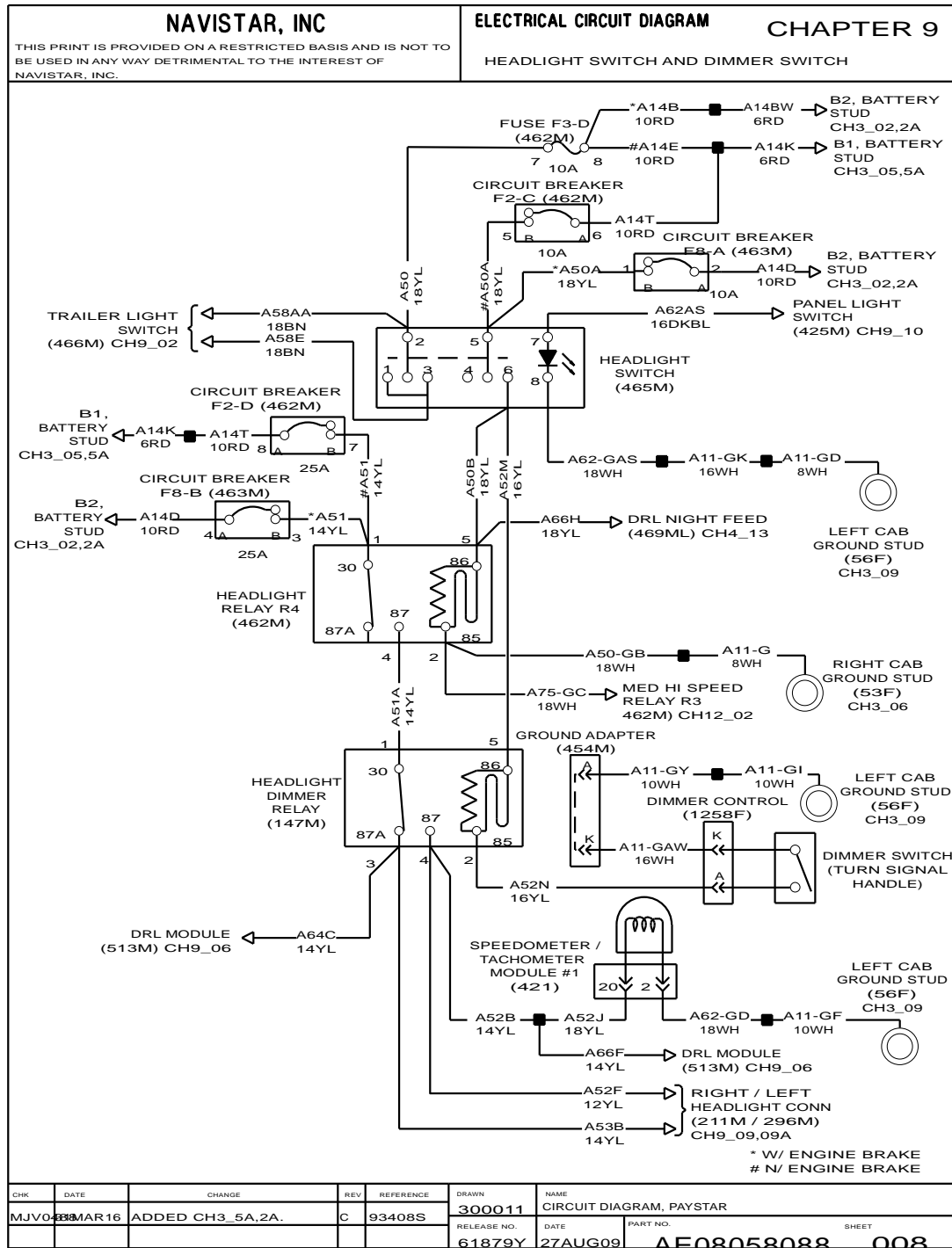


Figure 127 Headlight Switch and Dimmer Switch

9.9. HEADLIGHTS, P. 9

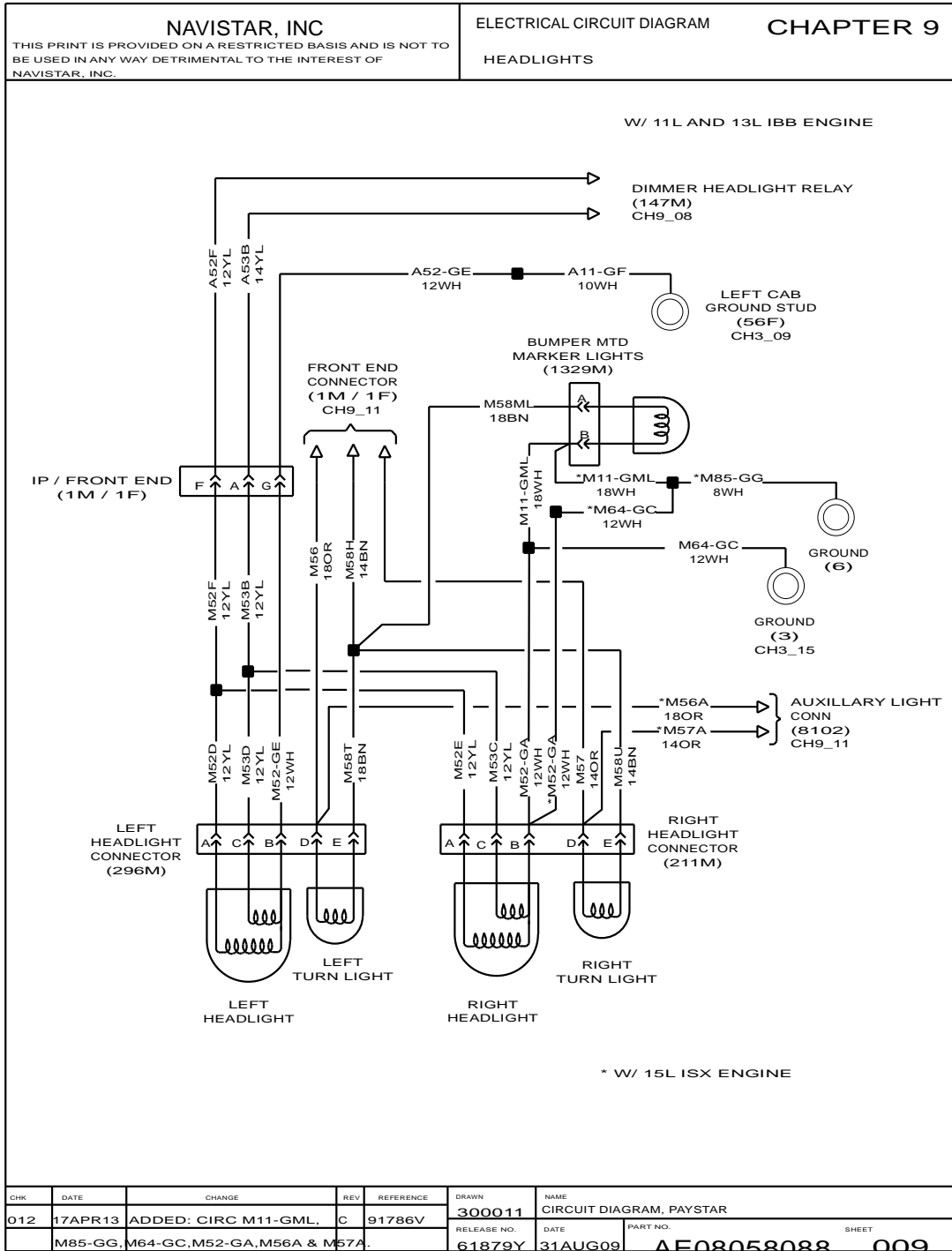


Figure 128 Headlights

9.10. HEADLIGHTS (CONT.), P. 9A

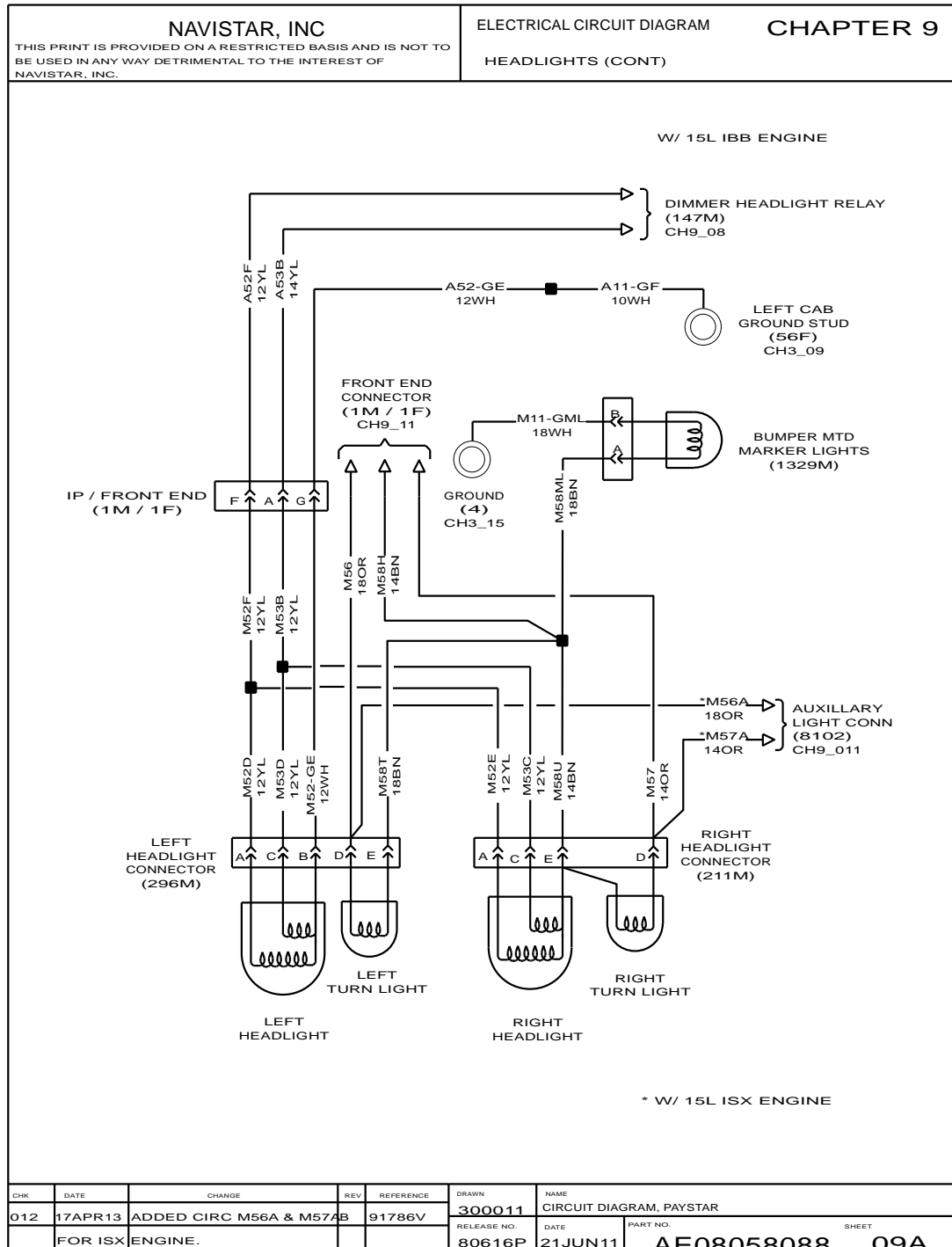


Figure 129 Headlights (Cont.)

9.11. PANEL LIGHTS, P. 10

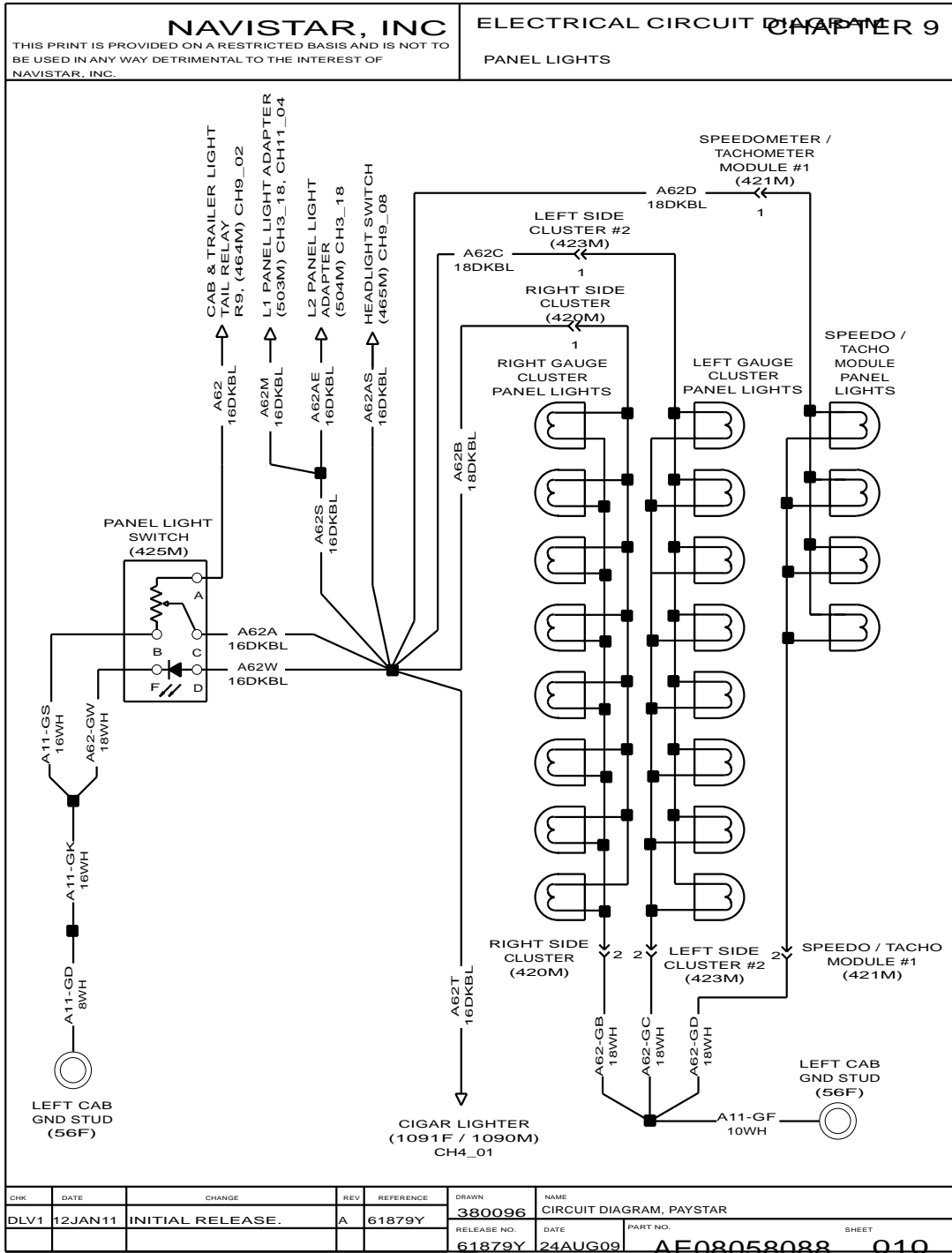


Figure 130 Panel Lights

9.12. PARK / TURN / SIDE MARKER LIGHTS WITH AUXILIARY HEADLIGHTS, P. 11

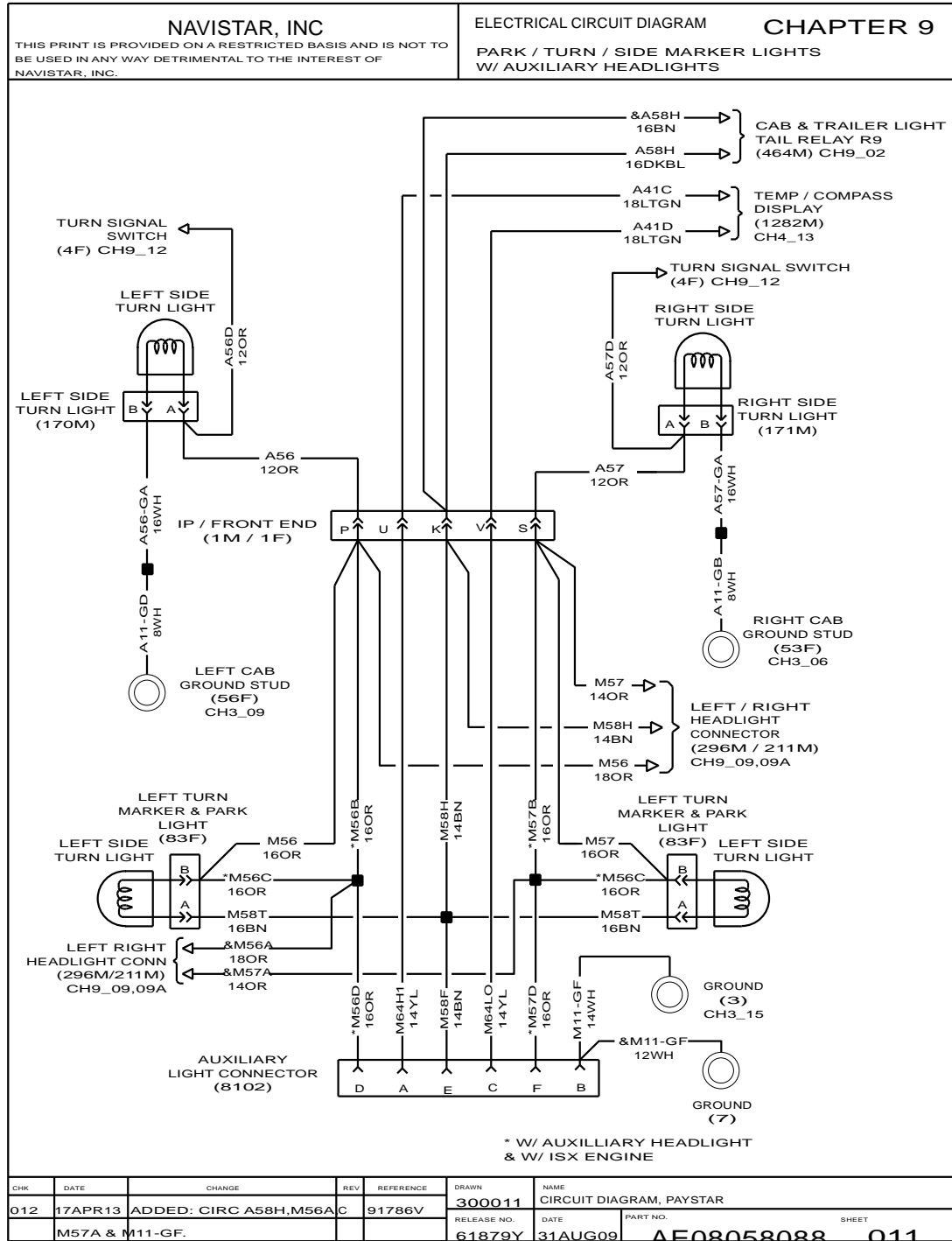


Figure 131 Park / Turn / Side Marker Lights with Auxiliary Headlights

9.13. STOP, TAIL, TURN AND HAZARD SIGNAL LIGHTS WITH FLASHER, P. 12

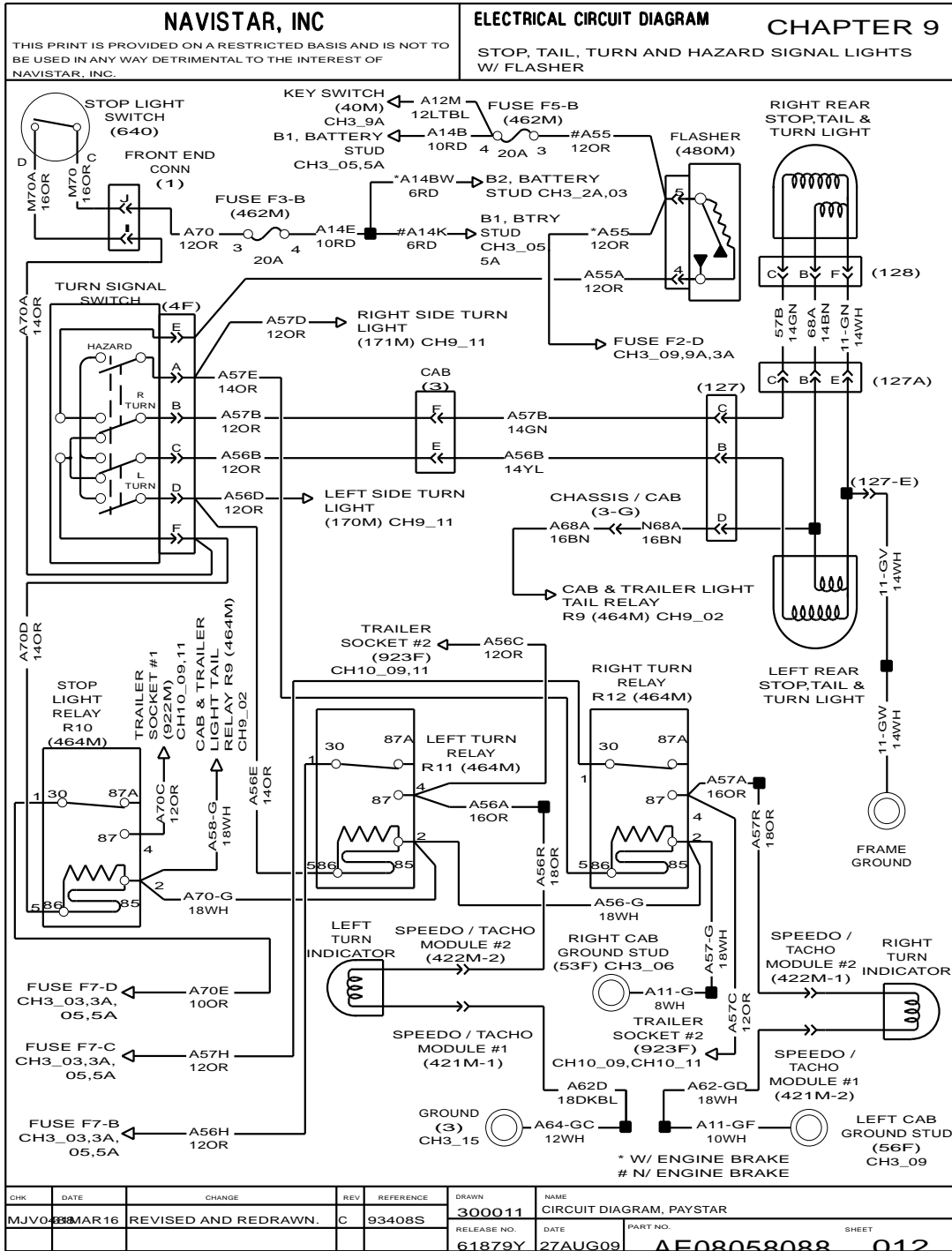


Figure 132 Stop, Tail, Turn and Hazard Signal Lights with Flasher

9.14. BEACON LIGHT, P. 13

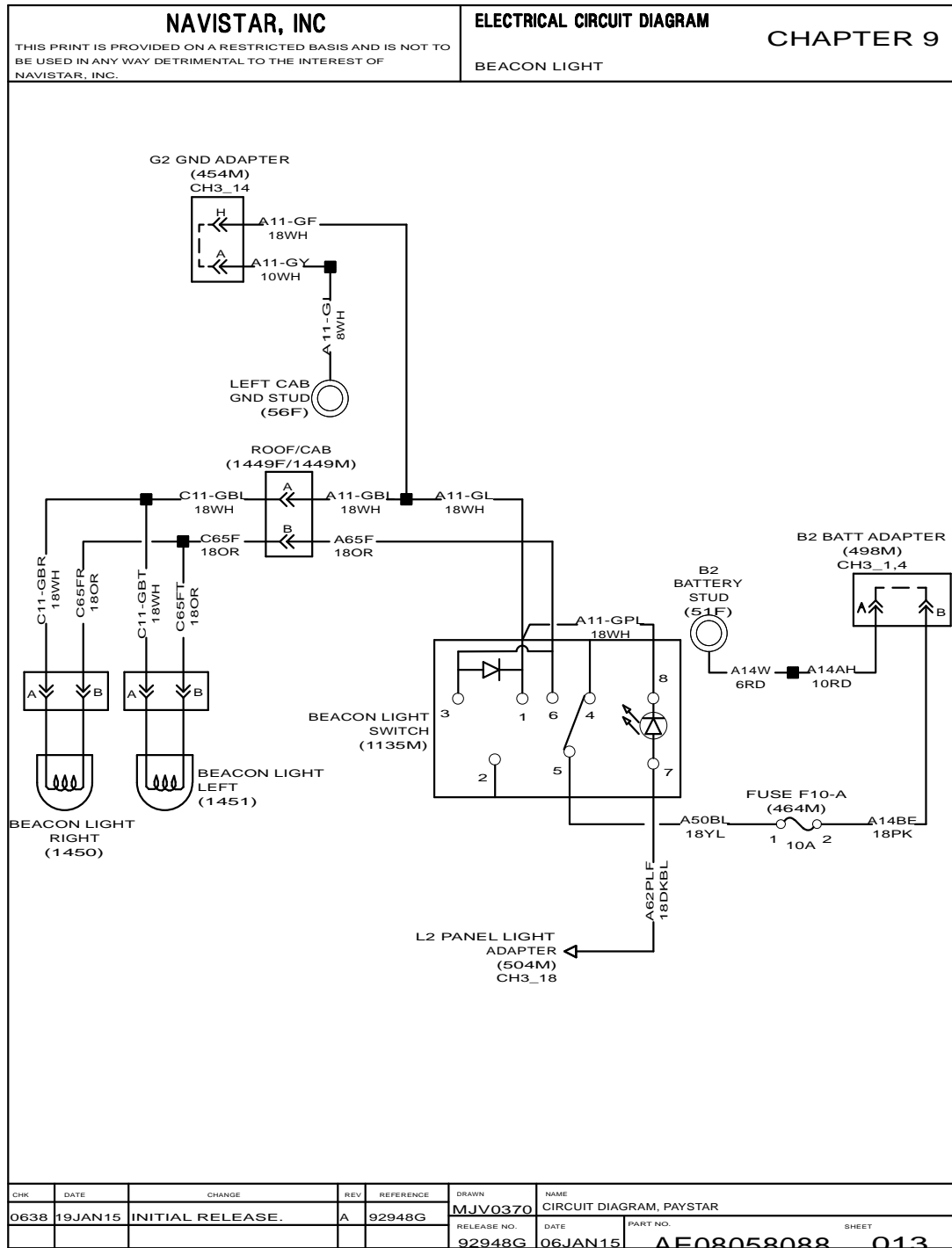


Figure 133 Beacon Light

CHASSIS ACCESSORIES (CHAPTER 10)

10.1. AIR DRYER, P. 1

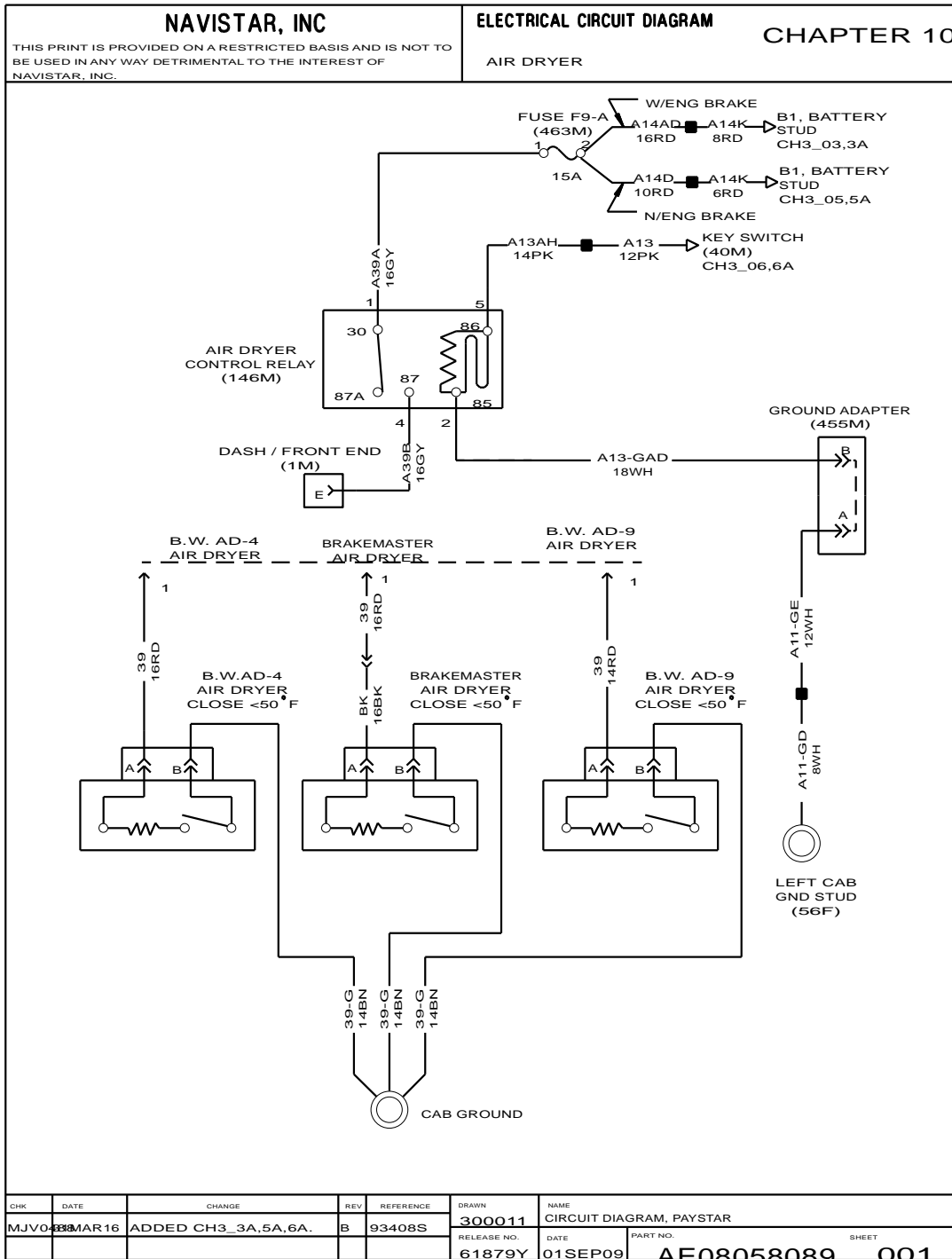


Figure 134 Air Dryer

10.2. BENDIX AIR ABS 4CH WITH ATC, P. 2

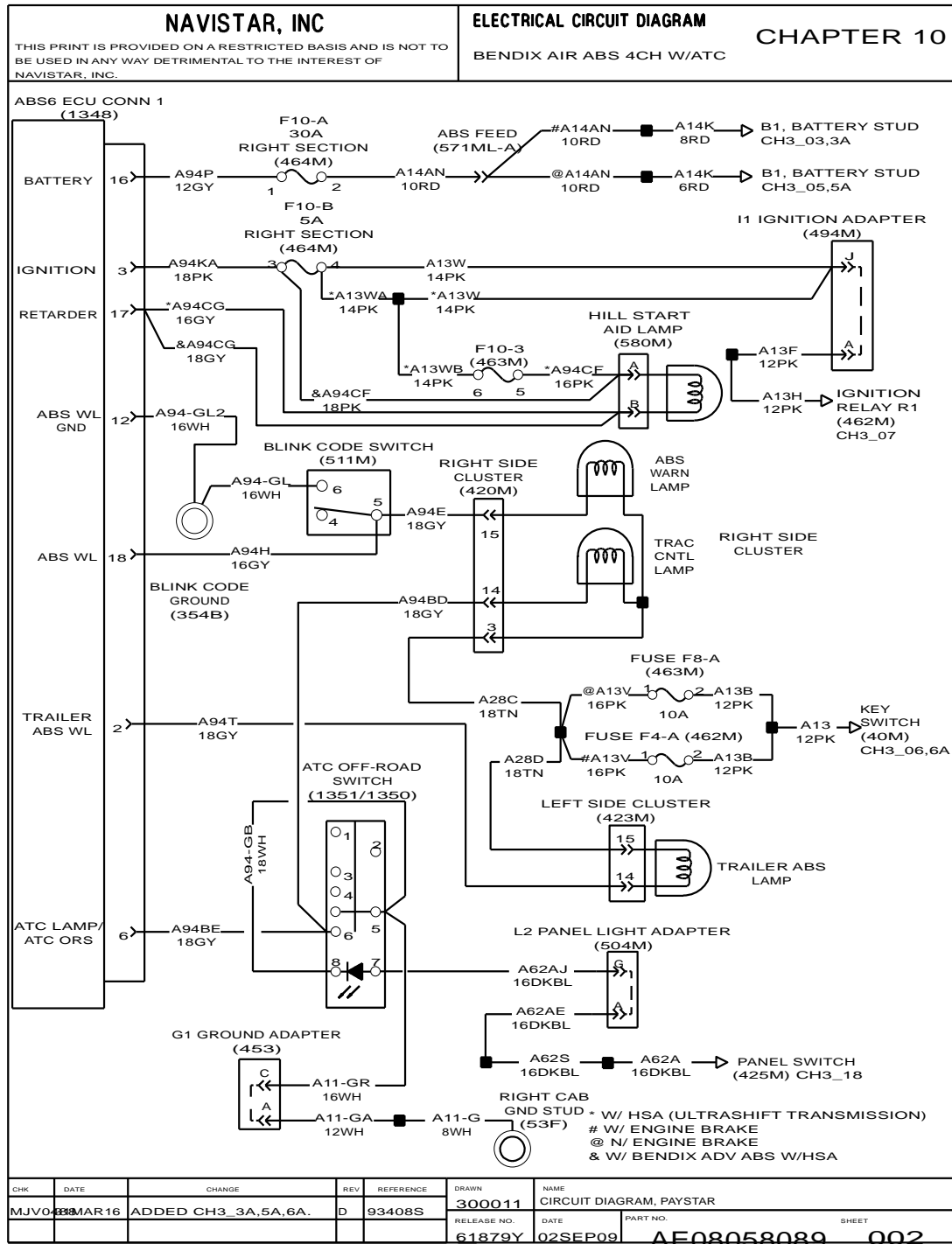


Figure 135 Bendix Air ABS 4CH with ATC

10.3. BENDIX AIR ABS 4CH WITH ATC, P. 3

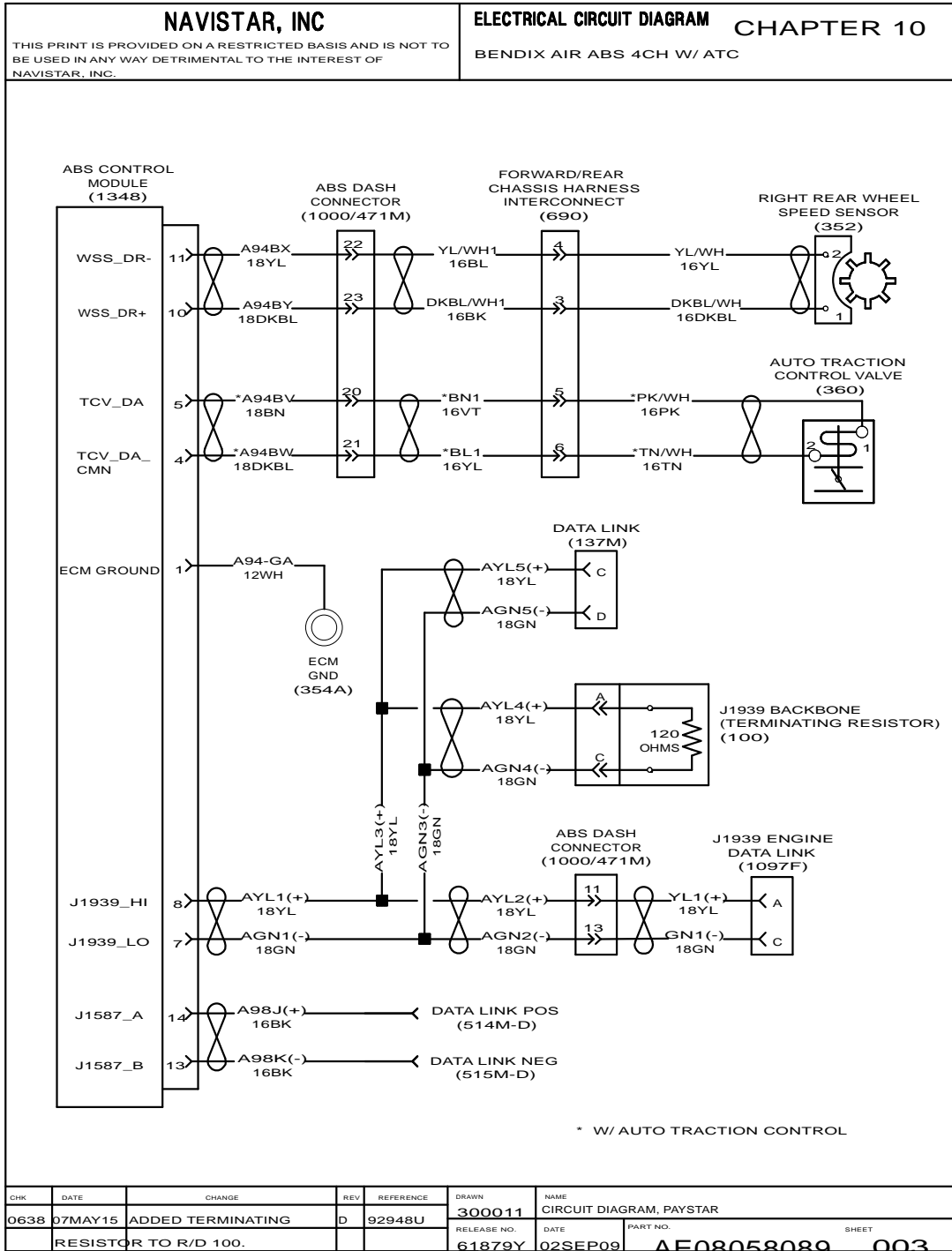


Figure 136 Bendix Air ABS 4CH with ATC

10.4. BENDIX AIR ABS 4CH WITH ATC WITH HSA, P. 4

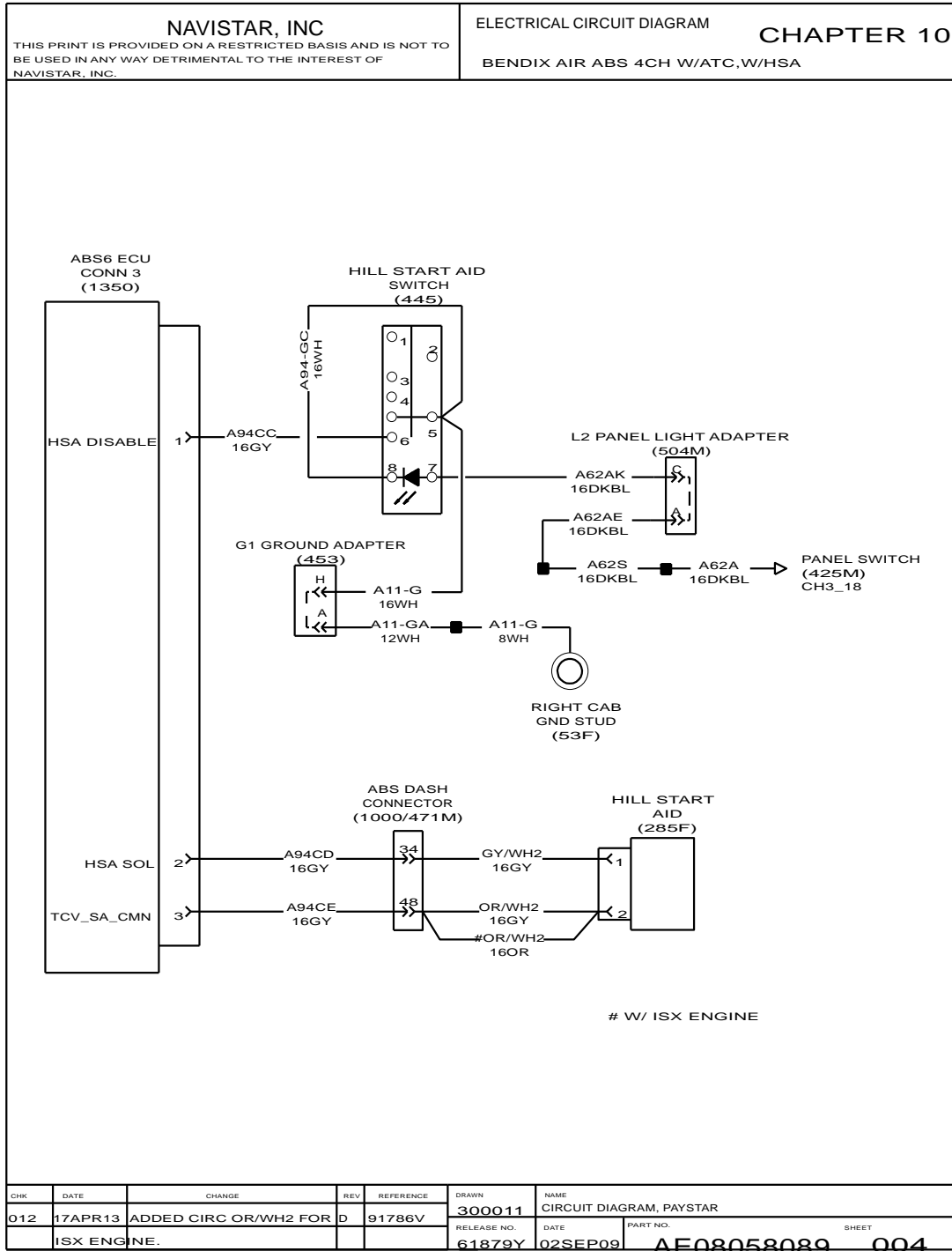


Figure 137 Bendix Air ABS 4CH with ATC with HSA

10.5. BENDIX AIR ABS 4CH WITH ATC, P. 5

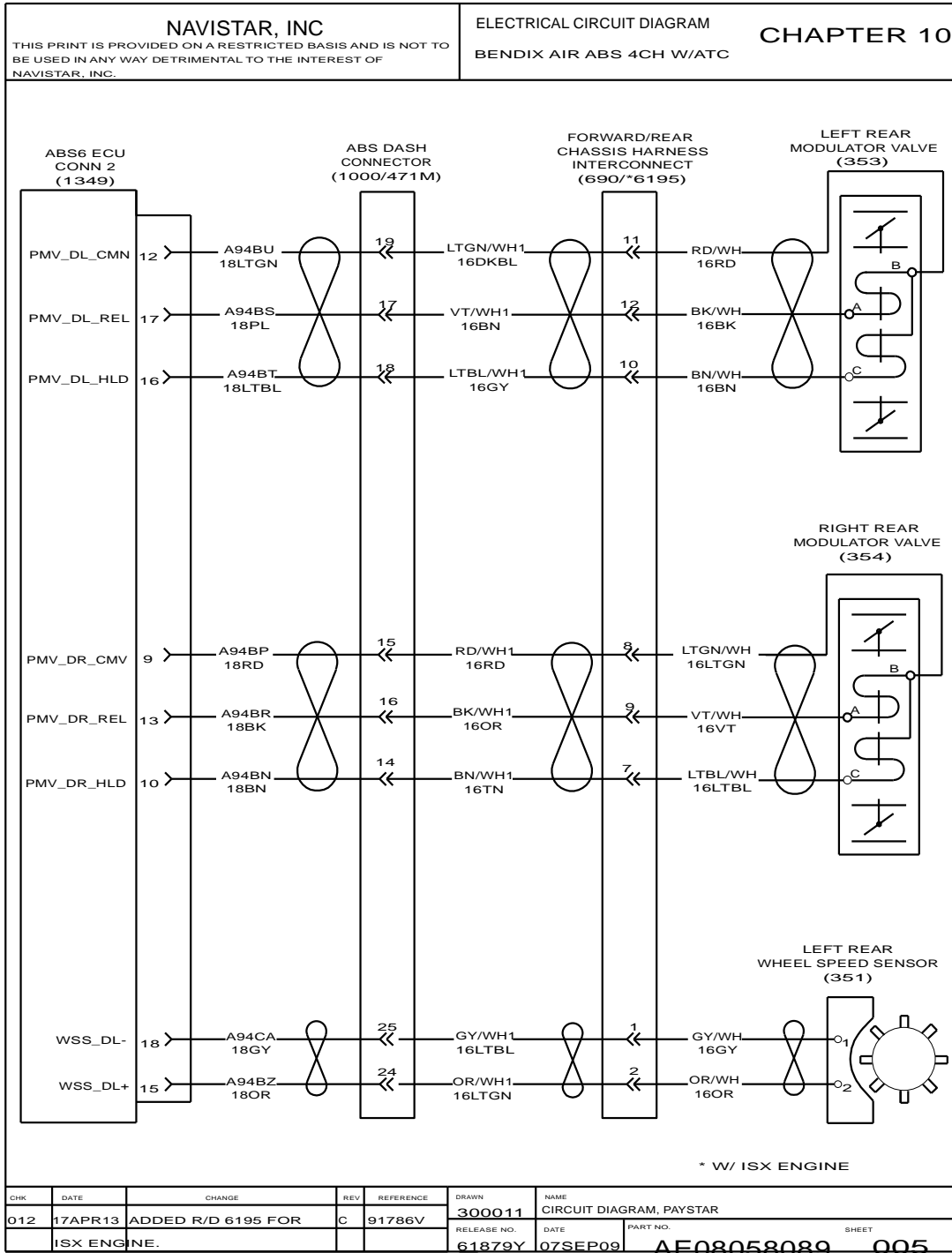


Figure 138 Bendix Air ABS 4CH with ATC

10.6. BENDIX AIR ABS 6CH WITH ATC, P. 6

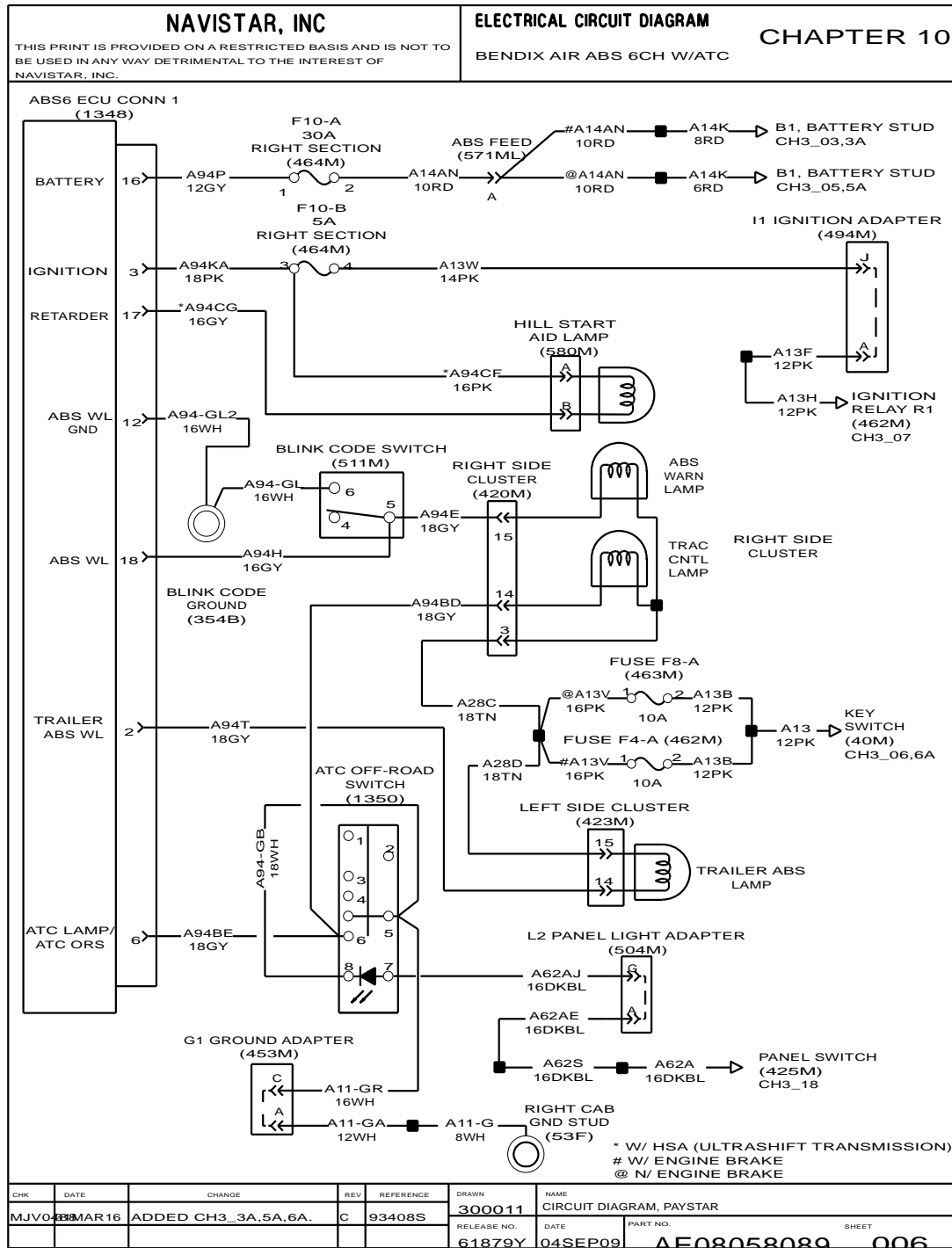


Figure 139 Bendix Air ABS 6CH with ATC

10.7. BENDIX AIR ABS 6CH WITH ATC, P. 7

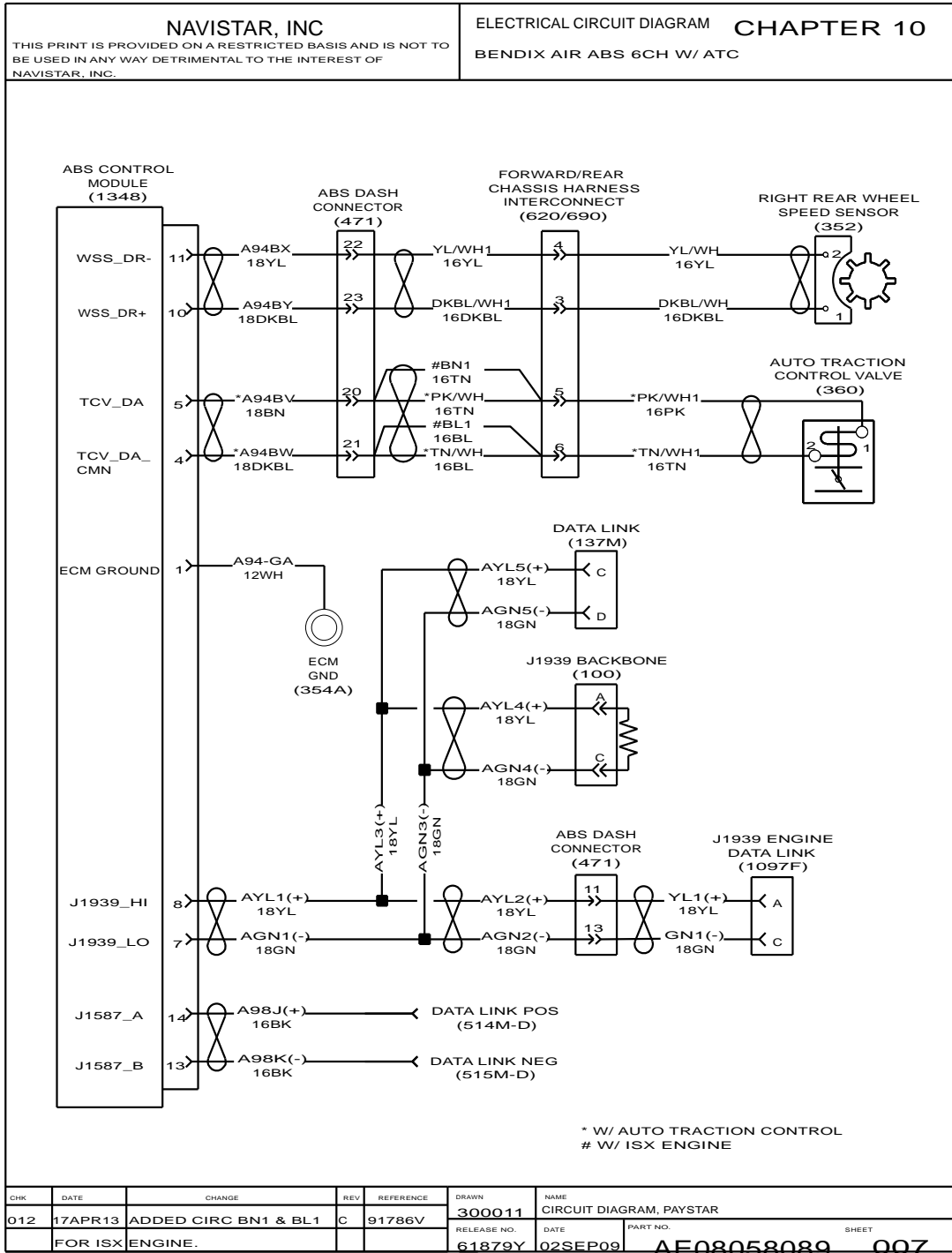


Figure 140 Bendix Air ABS 6CH with ATC

10.8. BENDIX AIR ABS 6CH WITH ATC WITH HSA, P. 8

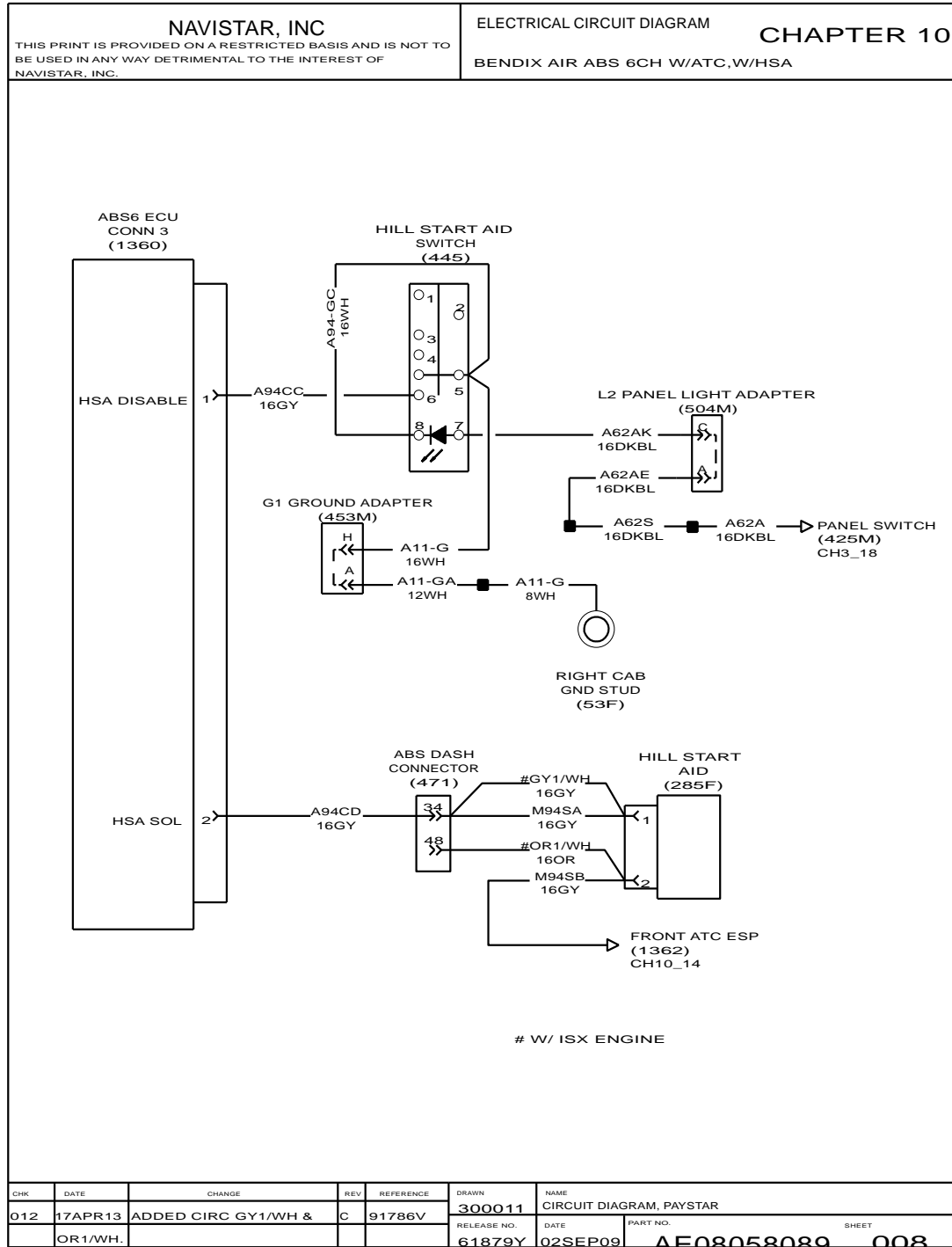


Figure 141 Bendix Air ABS 6CH with ATC with HSA

10.9. BENDIX AIR ABS 6CH WITH ATC, P. 9

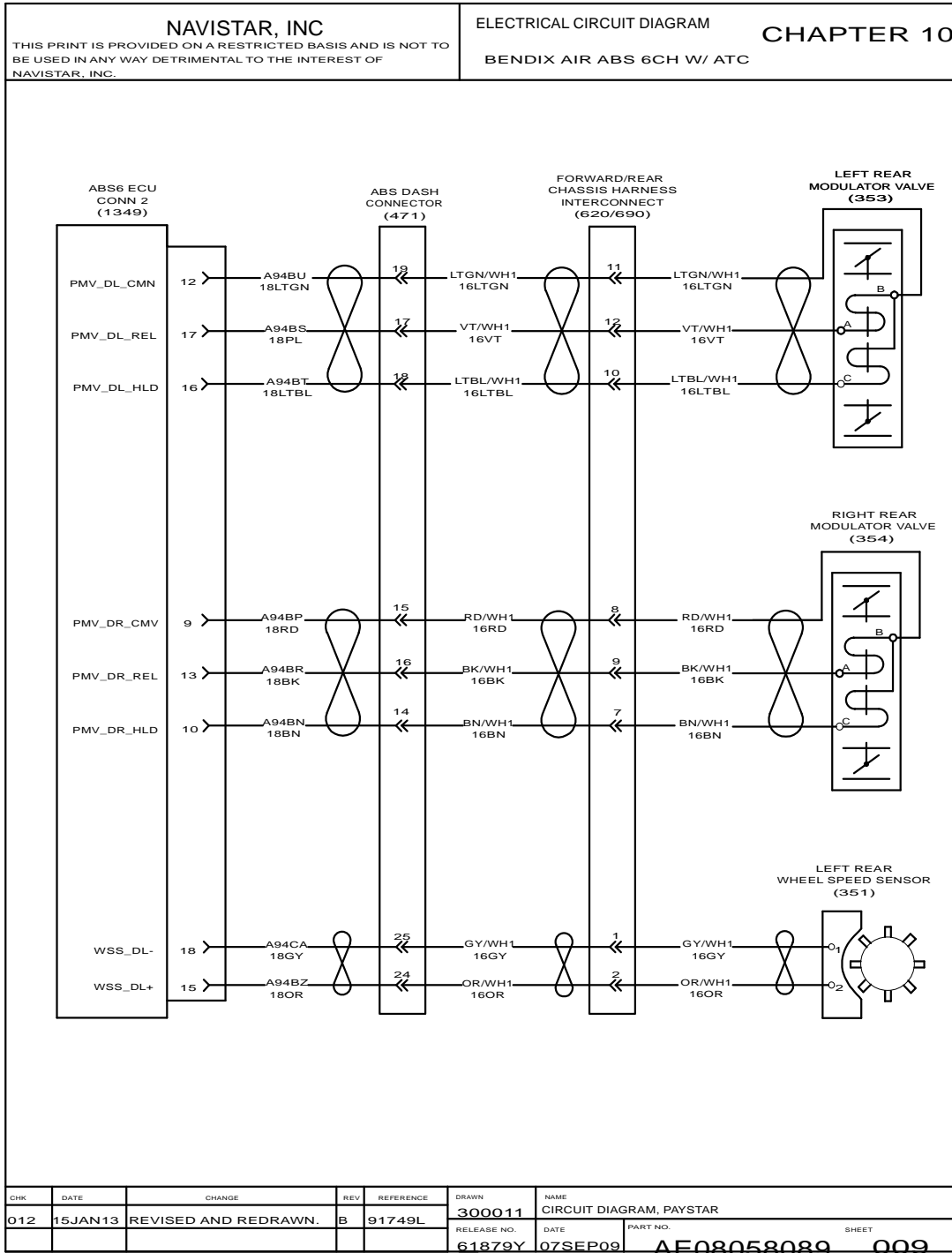


Figure 142 Bendix Air ABS 6CH with ATC

10.10. ABS BENDIX AIR 6S / 6M (6X4), P. 10

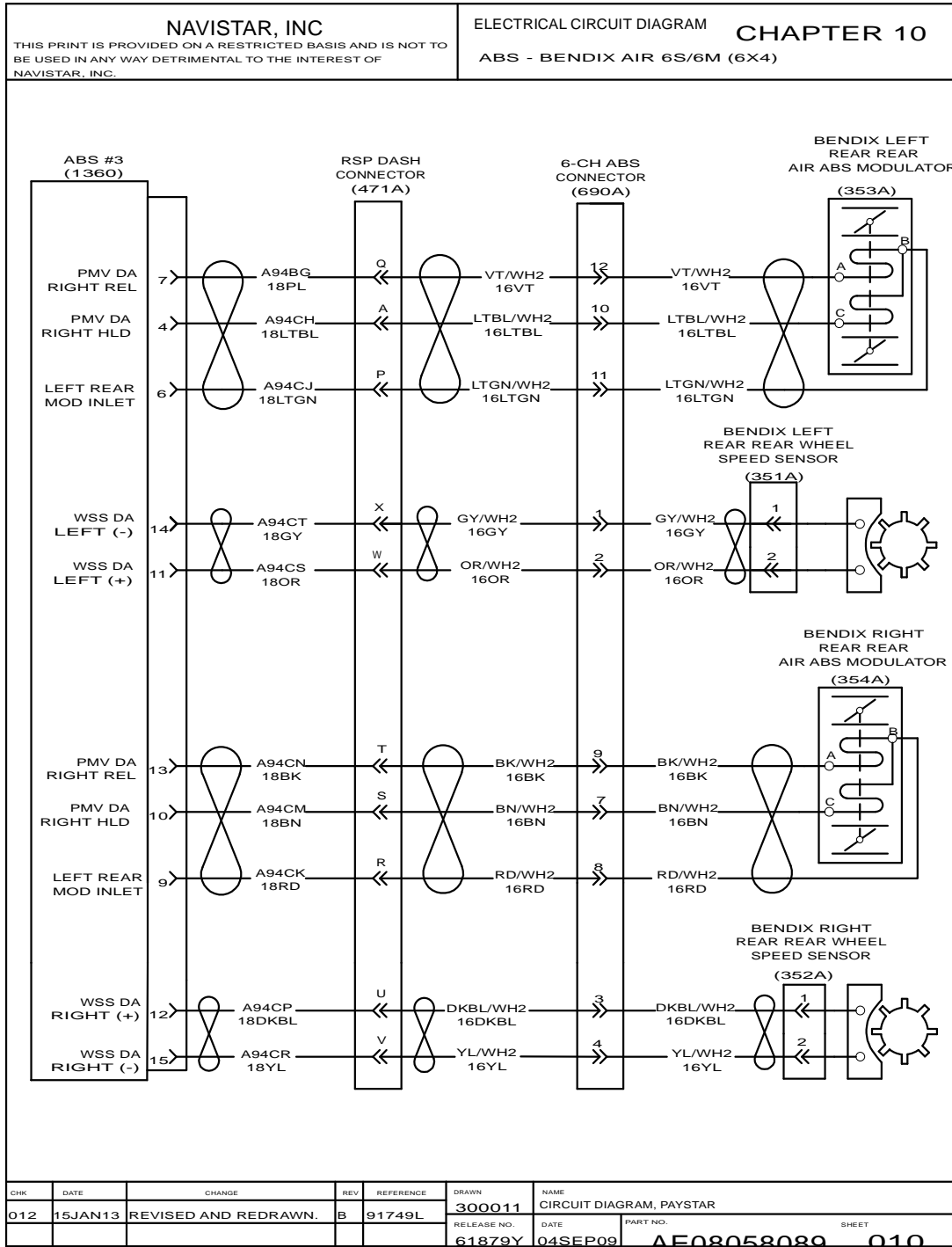


Figure 143 ABS Bendix Air 6S / 6M (6X4)

10.11. BENDIX AIR ABS WITH ATC, P. 11

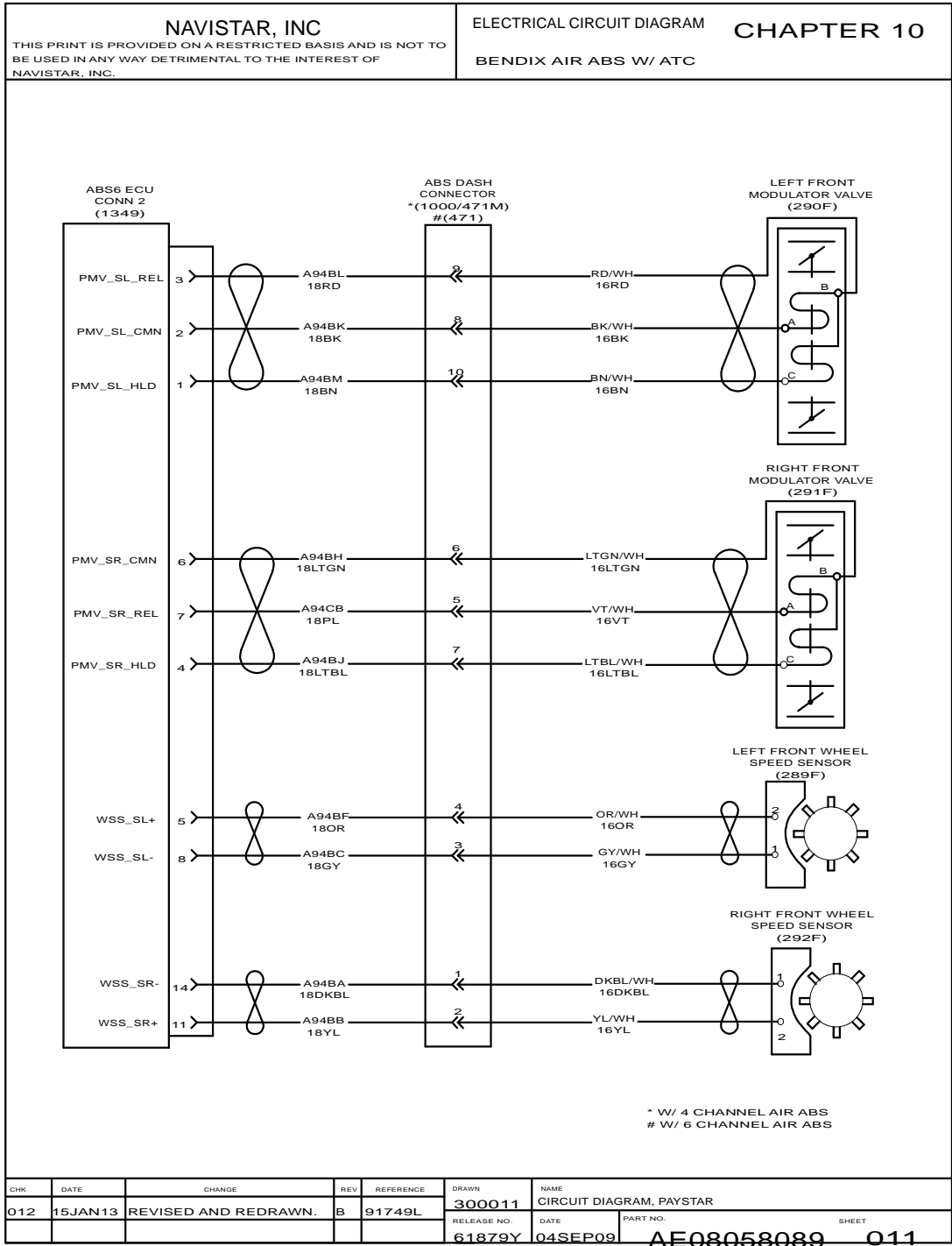


Figure 144 Bendix Air ABS with ATC

10.12. BENDIX ADVANCE AIR ABS, P. 12

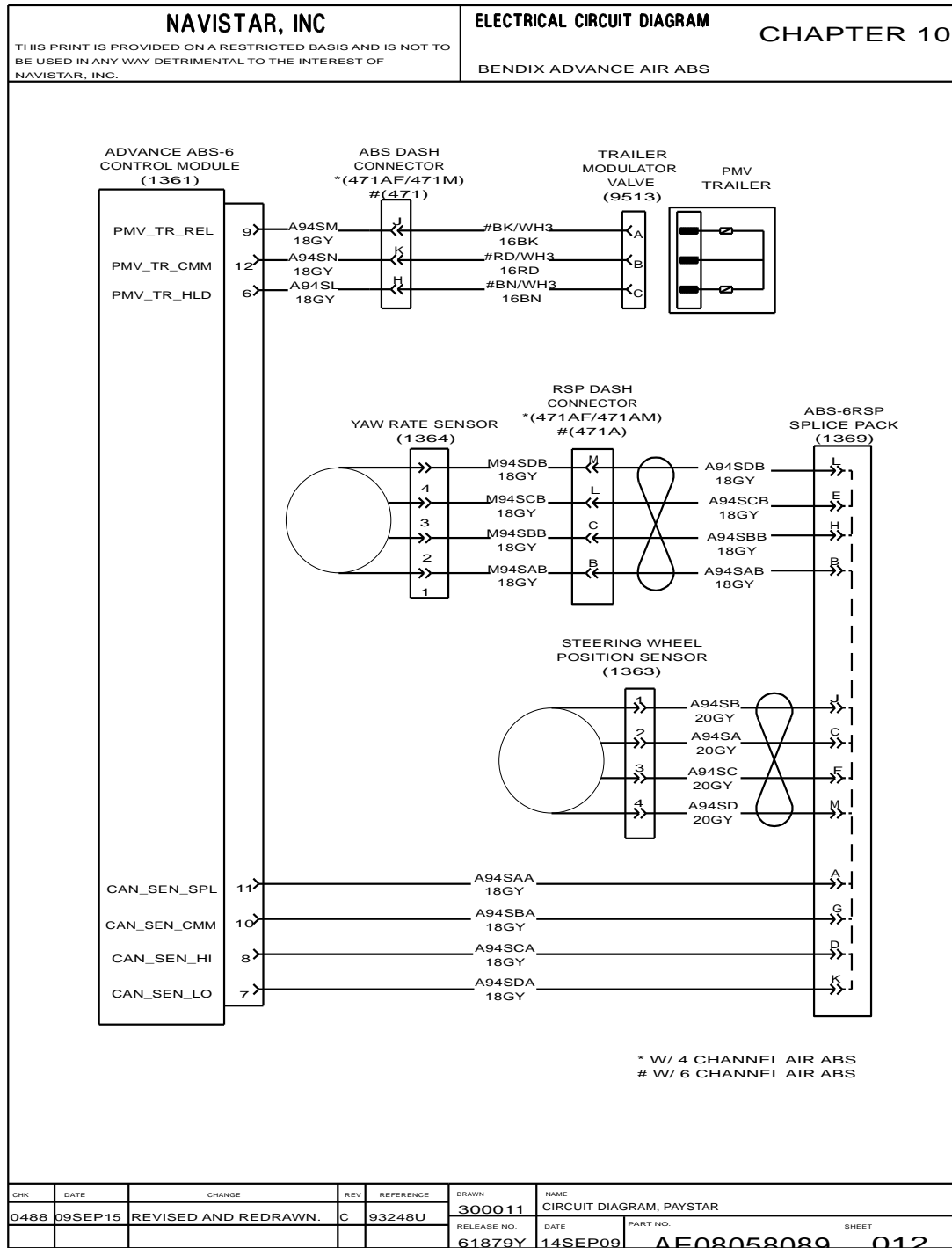


Figure 145 Bendix Advance Air ABS

10.13. BENDIX ADVANCE AIR ABS (CONT.), P. 13

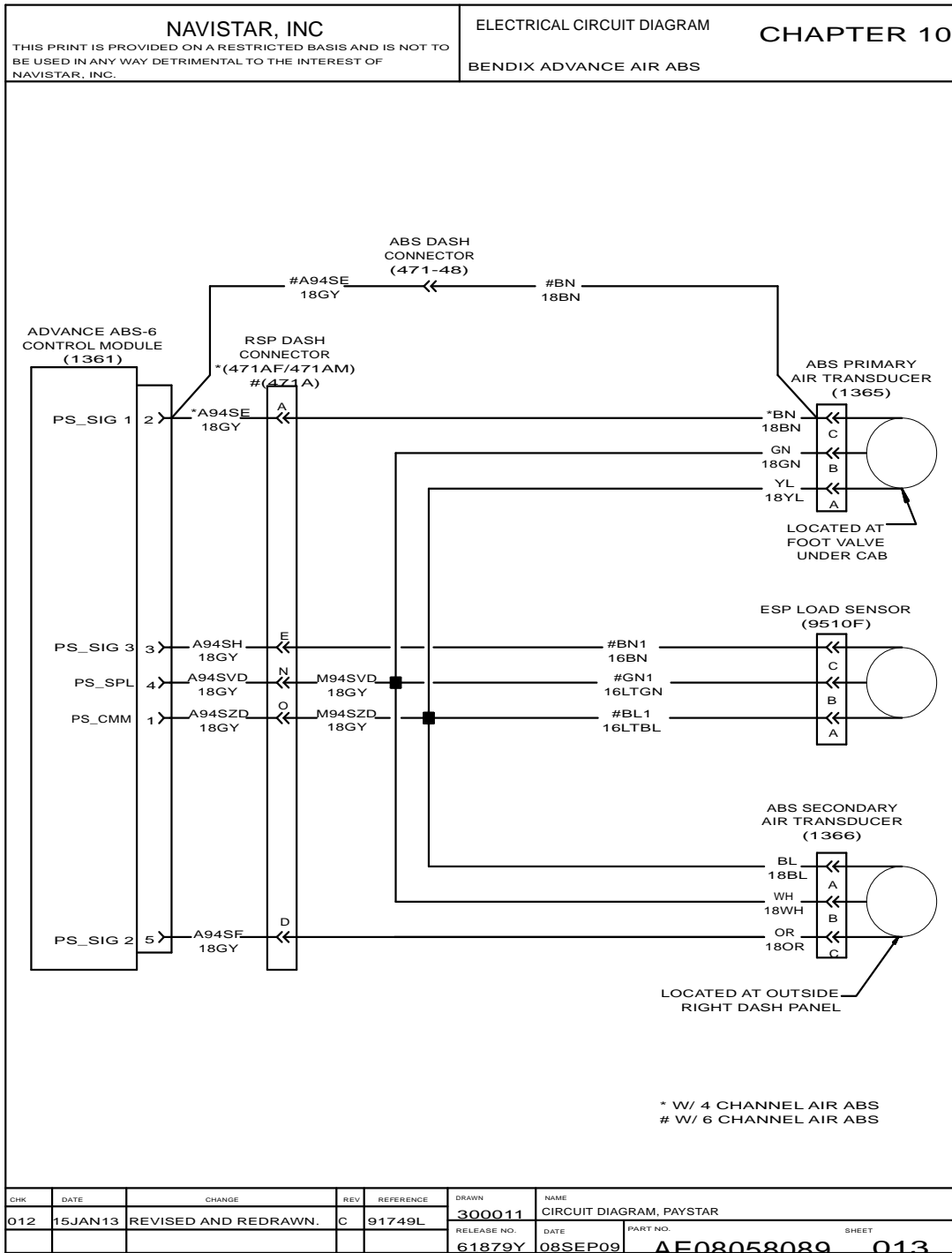


Figure 146 Bendix Advance Air ABS (Cont.)

10.14. BENDIX ADVANCE AIR ABS (CONT.), P. 14

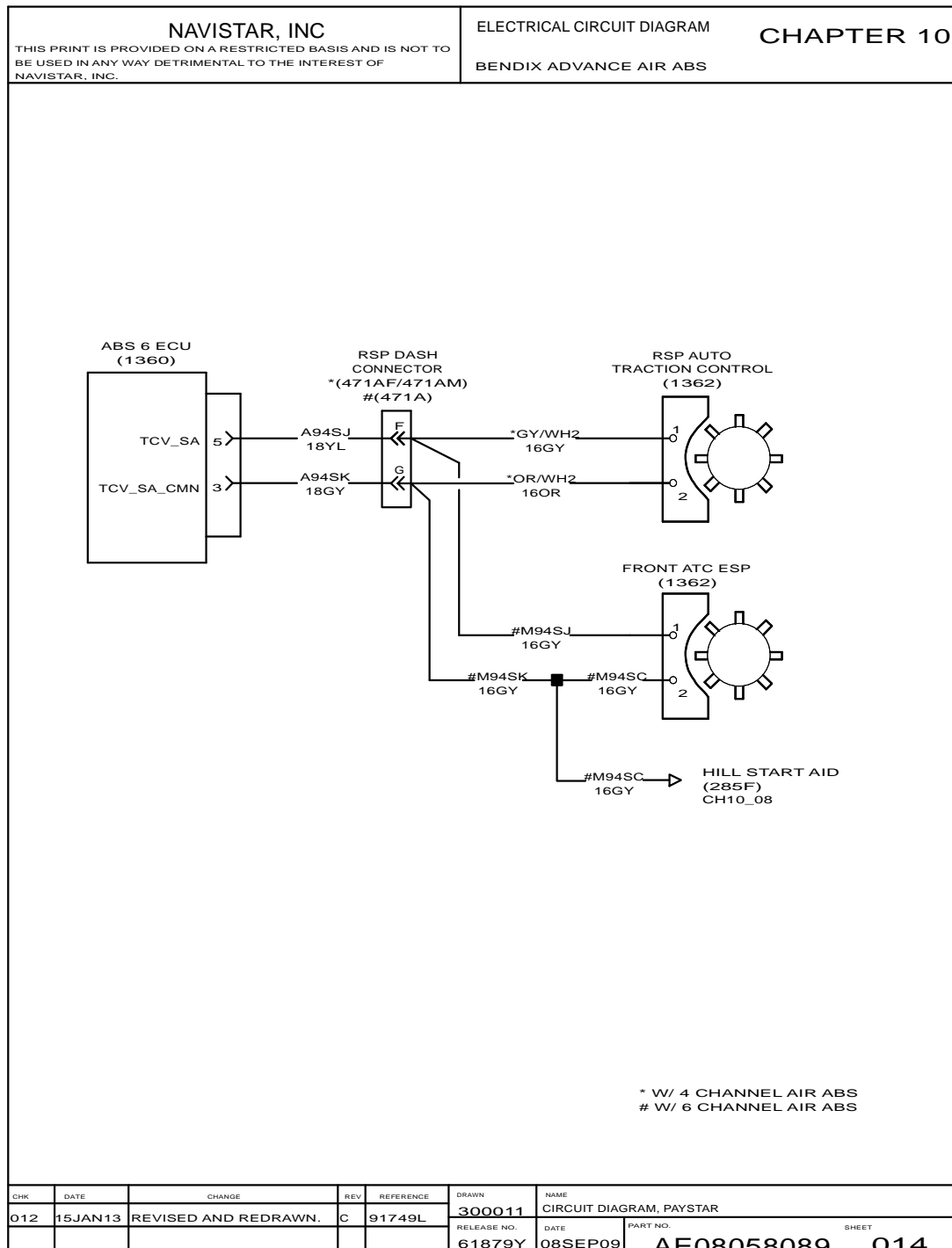


Figure 147 Bendix Advance Air ABS (Cont.)

10.15. BENDIX ADVANCE AIR ABS FOR 6CH, P. 15

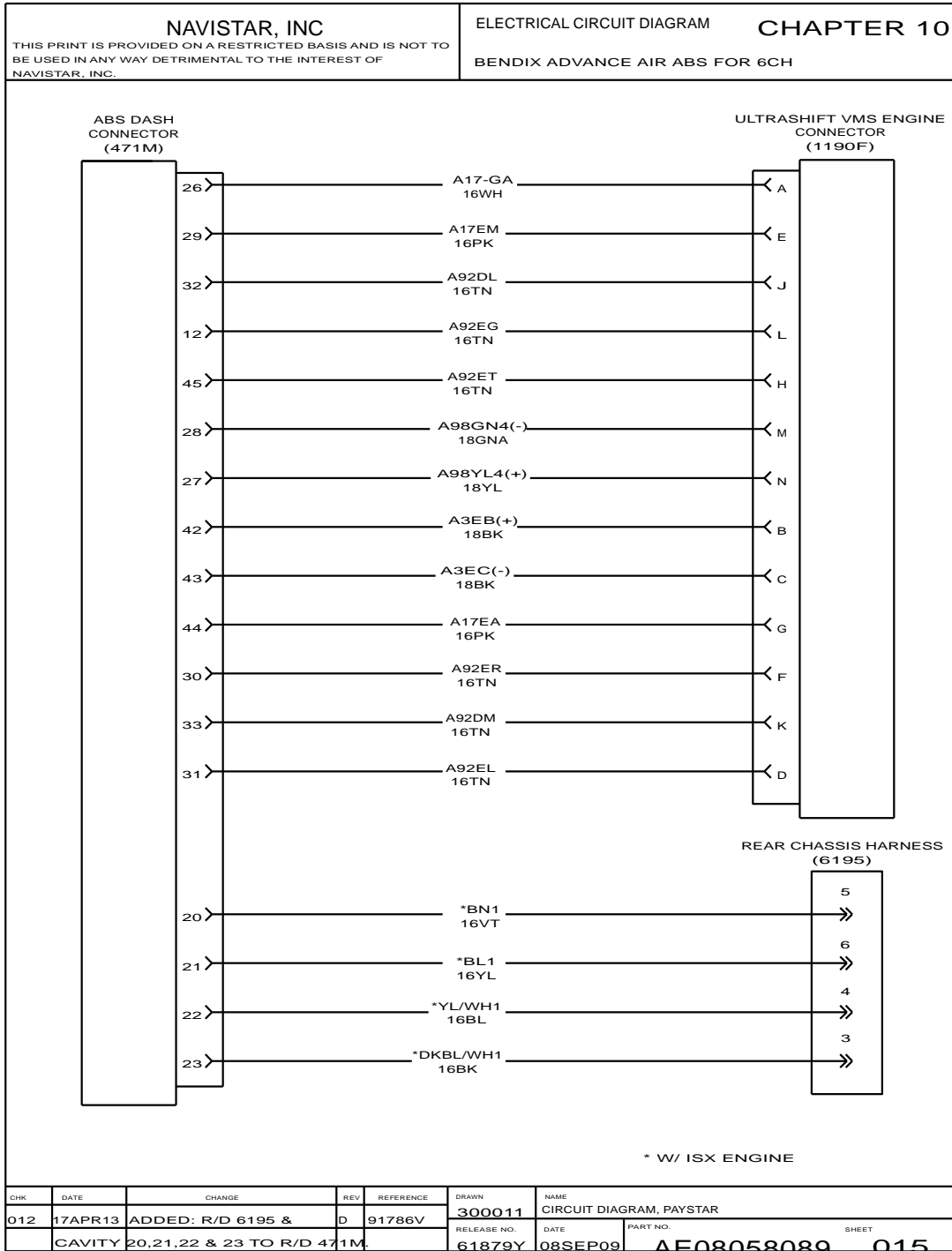


Figure 148 Bendix Advance Air ABS for 6CH

10.16. TRAILER CONNECTION WITH FOUR WHEEL TRAILER FRAME MOUNTED, P. 16

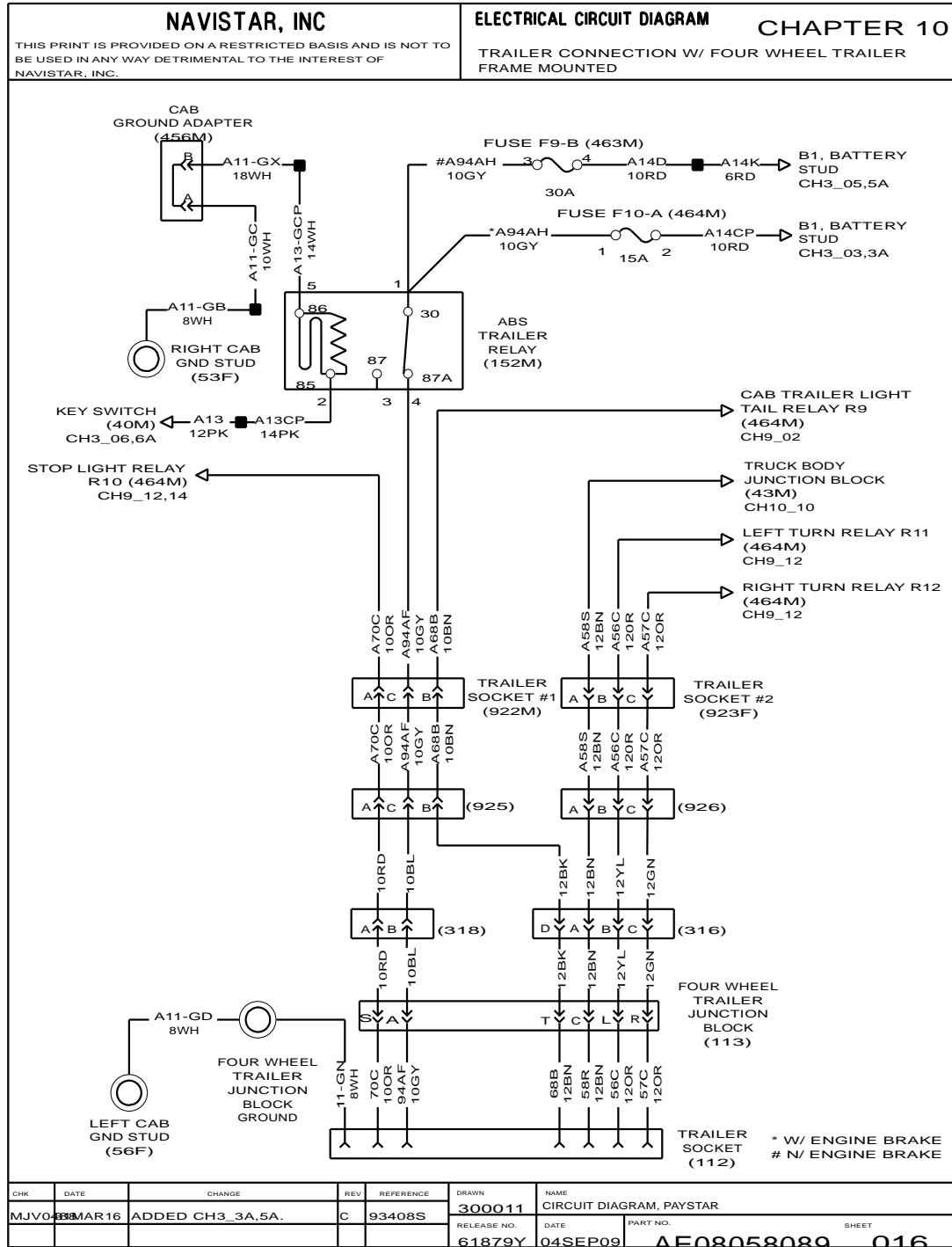


Figure 149 Trailer Connection with Four Wheel Trailer Frame Mounted

10.17. TRUCK BODY CONNECTION, P. 17

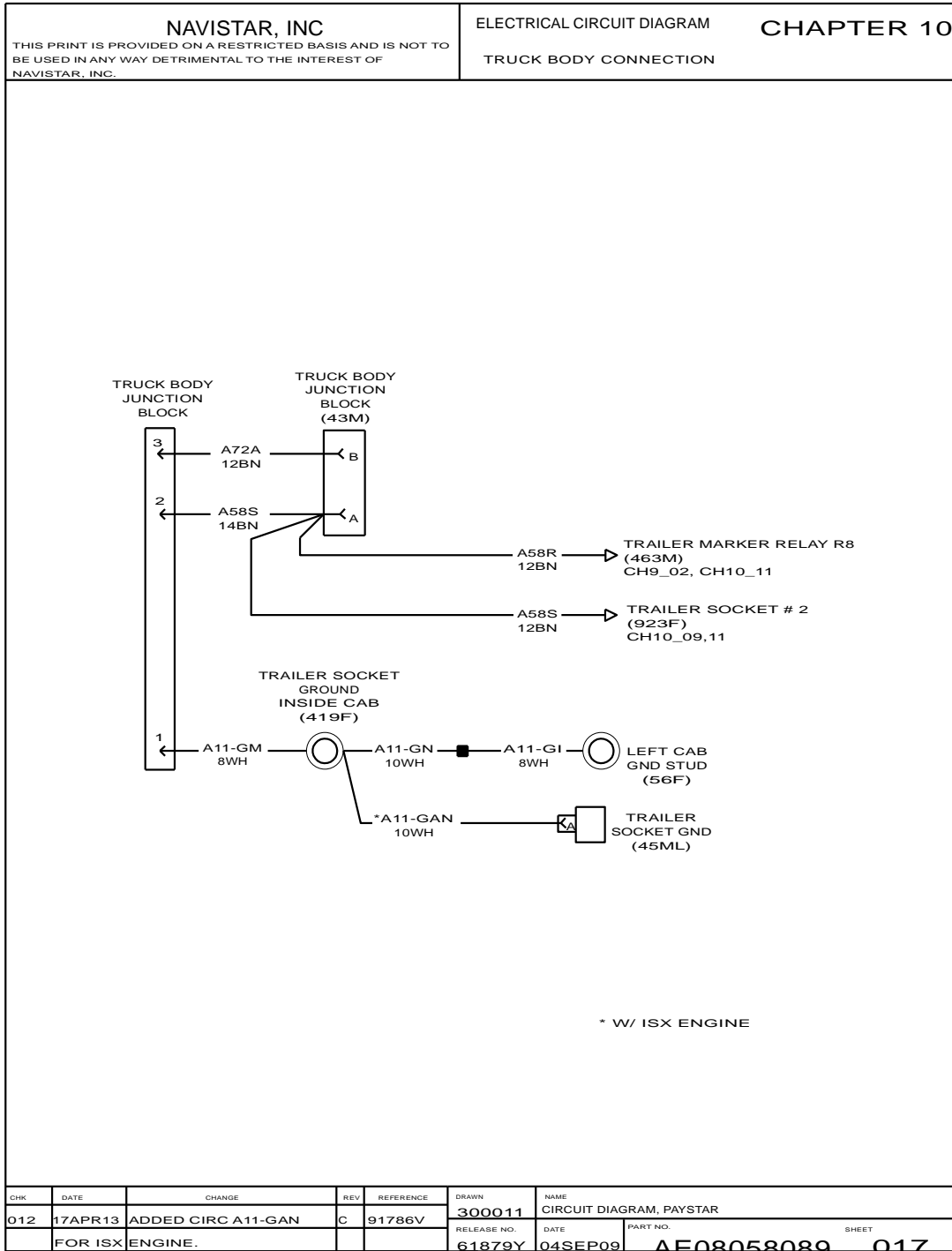


Figure 150 Truck Body Connection

10.18. TRAILER CONNECTION WITHOUT SLEEPER BACK OF CAB MOUNTED WITH TRACTOR ABS, P. 18

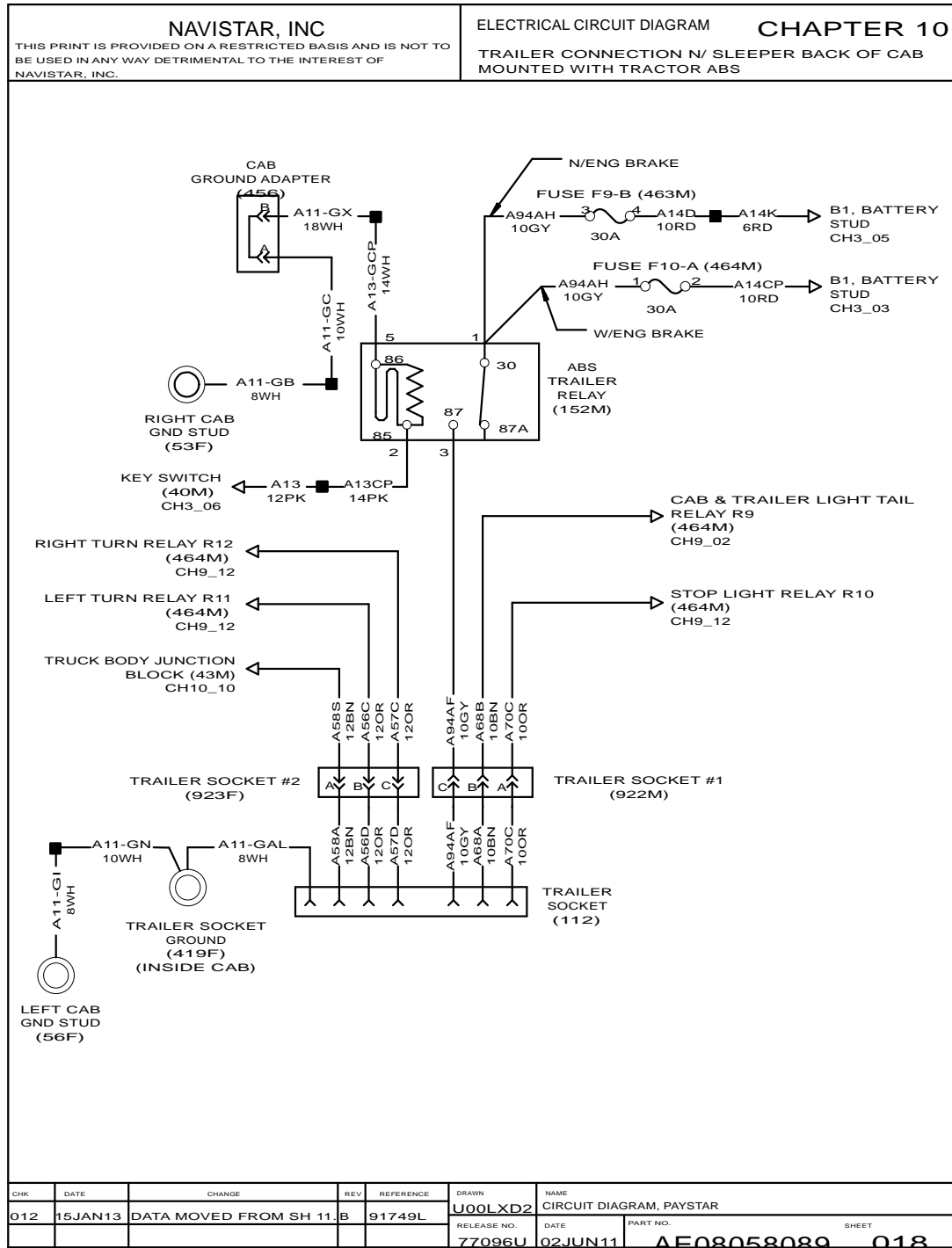


Figure 151 Trailer Connection without Sleeper Back of Cab Mounted with Tractor ABS

10.19. INTENTIONALLY LEFT BLANK, P. 19

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<p style="font-size: 24px; margin: 0;">GEOMETRY REMOVED</p>							
CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME	
012	18JAN13	GEOMETRY REMOVED.	B	91922L	U00LXD2	CIRCUIT DIAGRAM, PAYSTAR	
					RELEASE NO.	DATE	
					77096U	02JUN11	
						PART NO.	
						AE08058089	
						SHEET	
						019	

Figure 152 Intentionally Left Blank

10.20. INTENTIONALLY LEFT BLANK, P. 20

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<p style="font-size: 24px; margin: 0;">GEOMETRY REMOVED</p>							
CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME	
012	18JAN13	GEOMETRY REMOVED.	B	91922L	U00LXD2	CIRCUIT DIAGRAM, PAYSTAR	
					RELEASE NO.	DATE	
					77096U	31MAY11	
						PART NO.	
						AE08058089	
						SHEET	
						020	

Figure 153 Intentionally Left Blank

10.21. INTENTIONALLY LEFT BLANK, P. 21

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<p style="font-size: 24px; margin: 0;">GEOMETRY REMOVED</p>							
CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME	
012	18JAN13	GEOMETRY REMOVED.	B	91922L	U00LXD2	CIRCUIT DIAGRAM, PAYSTAR	
					RELEASE NO.	DATE	
					77096U	01JUN11	
						PART NO.	
						AE08058089	
						SHEET	
						021	

Figure 154 Intentionally Left Blank

10.22. INTENTIONALLY LEFT BLANK, P. 22

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<p style="font-size: 24px; margin: 0;">GEOMETRY REMOVED</p>							
<small>CHK</small>	<small>DATE</small>	<small>CHANGE</small>	<small>REV</small>	<small>REFERENCE</small>	<small>DRAWN</small>	<small>NAME</small>	
		GEOMETRY REMOVED.				CIRCUIT DIAGRAM, PAYSTAR	
					<small>RELEASE NO.</small>	<small>DATE</small>	
						<small>PART NO.</small> <small>SHEET</small>	
						AE08058089 022	

Figure 155 Intentionally Left Blank

10.23. APADS MODULE FOR ISX 2013 ENGINES, P. 23

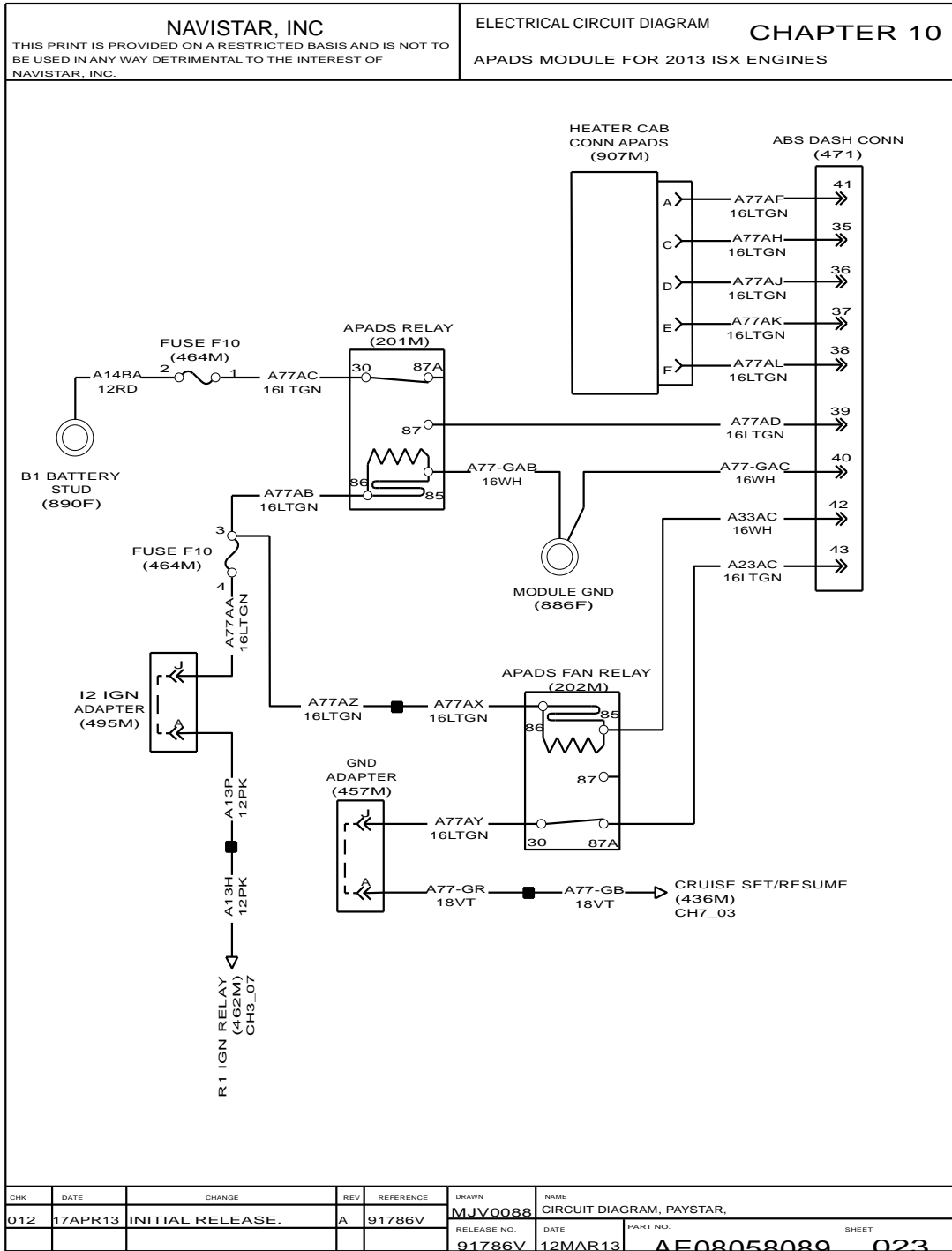


Figure 156 APADS Module for ISX 2013 Engines

10.24. BODY BUILDER CONNECTIONS WITH IBB ENG (SCR EFFECTS), P. 24

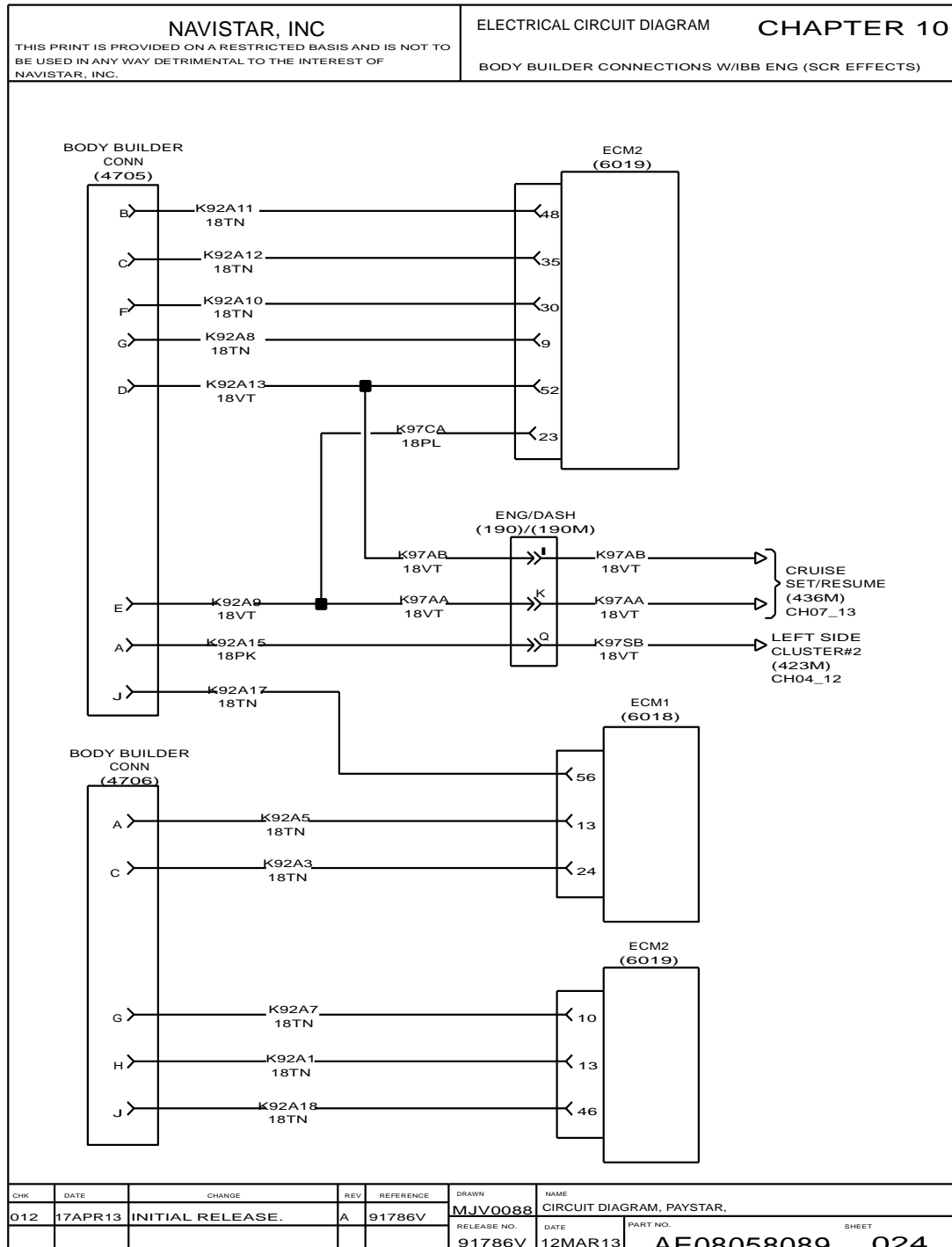


Figure 157 Body Builder Connections with IBB ENG (SCR Effects)

10.25. BODY BUILDER CONNECTIONS WITH 15L ENG (ISX 2013), P. 25

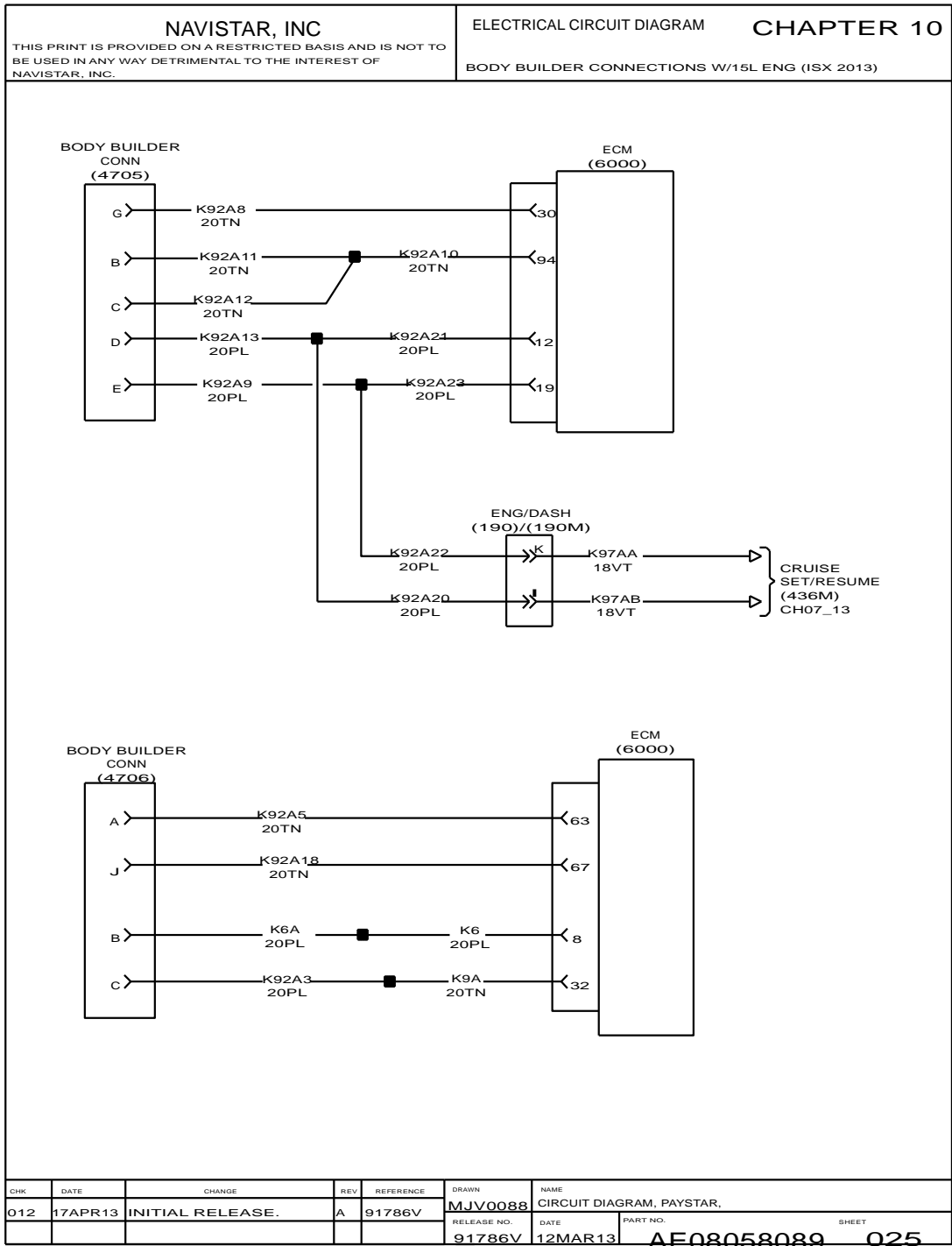


Figure 158 Body Builder Connections with 15L ENG (ISX 2013)

10.26. TRI AXLE DIFFERENTIAL LOCK, P. 26

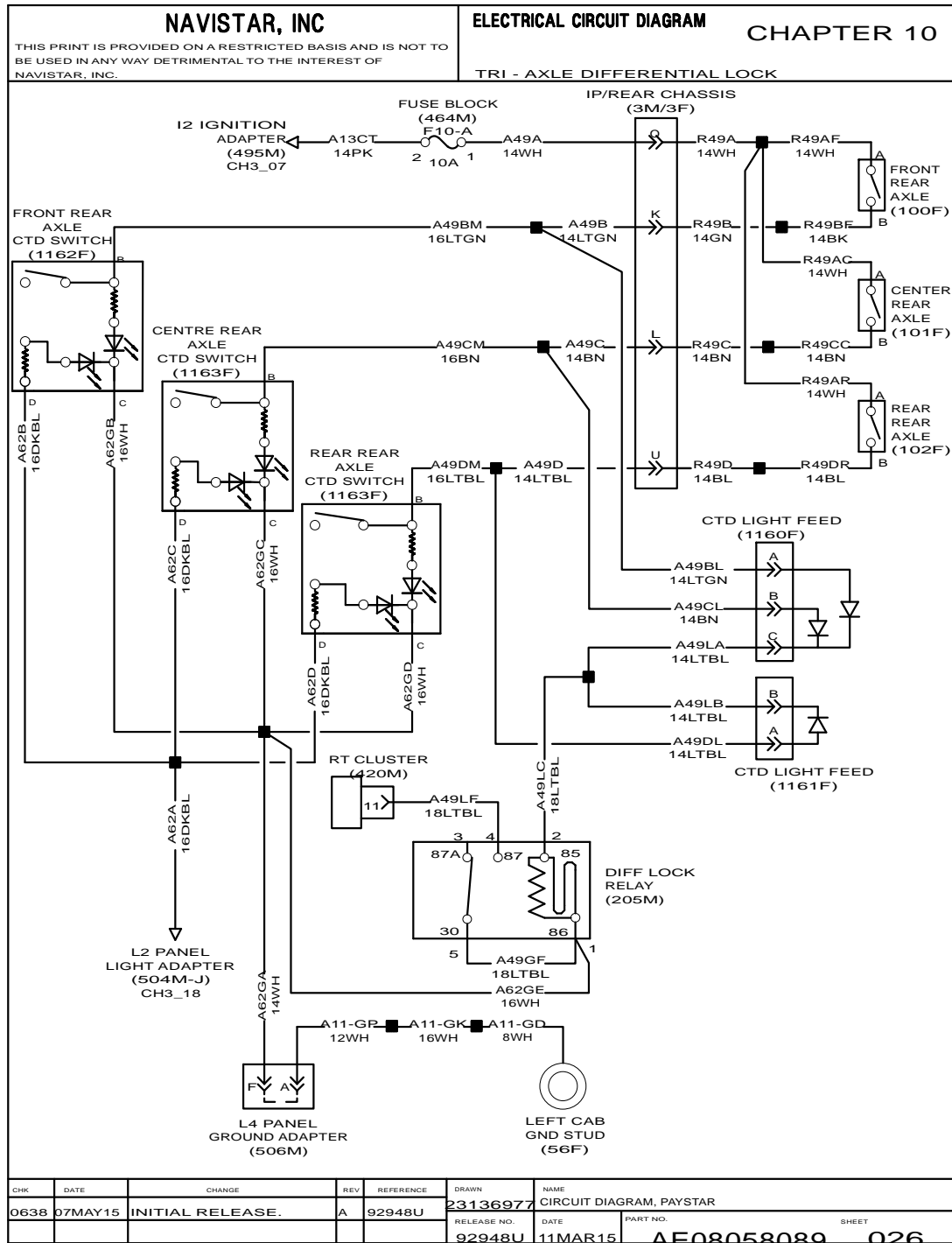


Figure 159 Tri Axle Differential Lock

TRANSMISSION CONTROL MODULE (CHAPTER 11)

11.1. ALLISON TRANSMISSION, P. 1

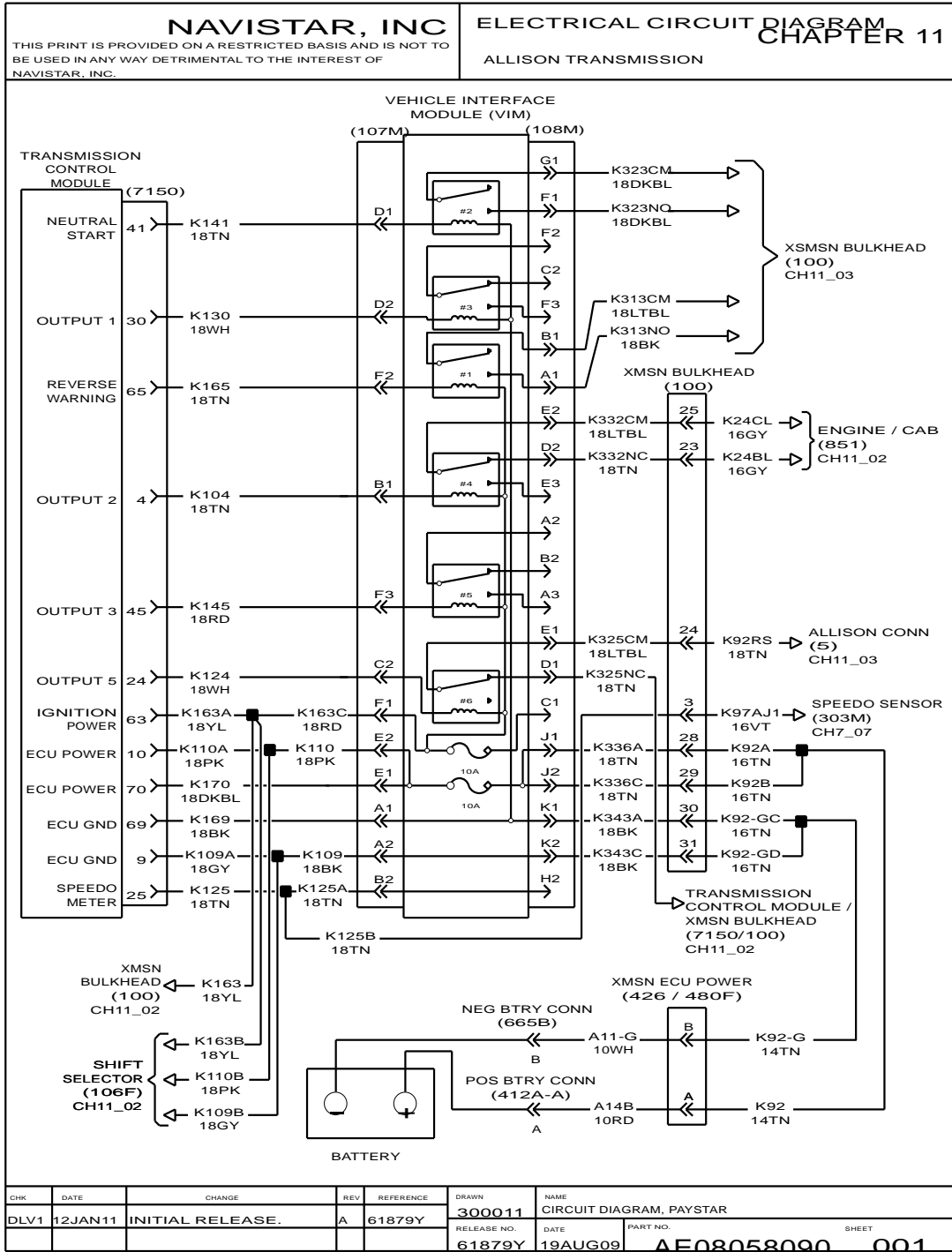


Figure 160 Allison Transmission

11.2. ALLISON TRANSMISSION (CONT.), P. 1A

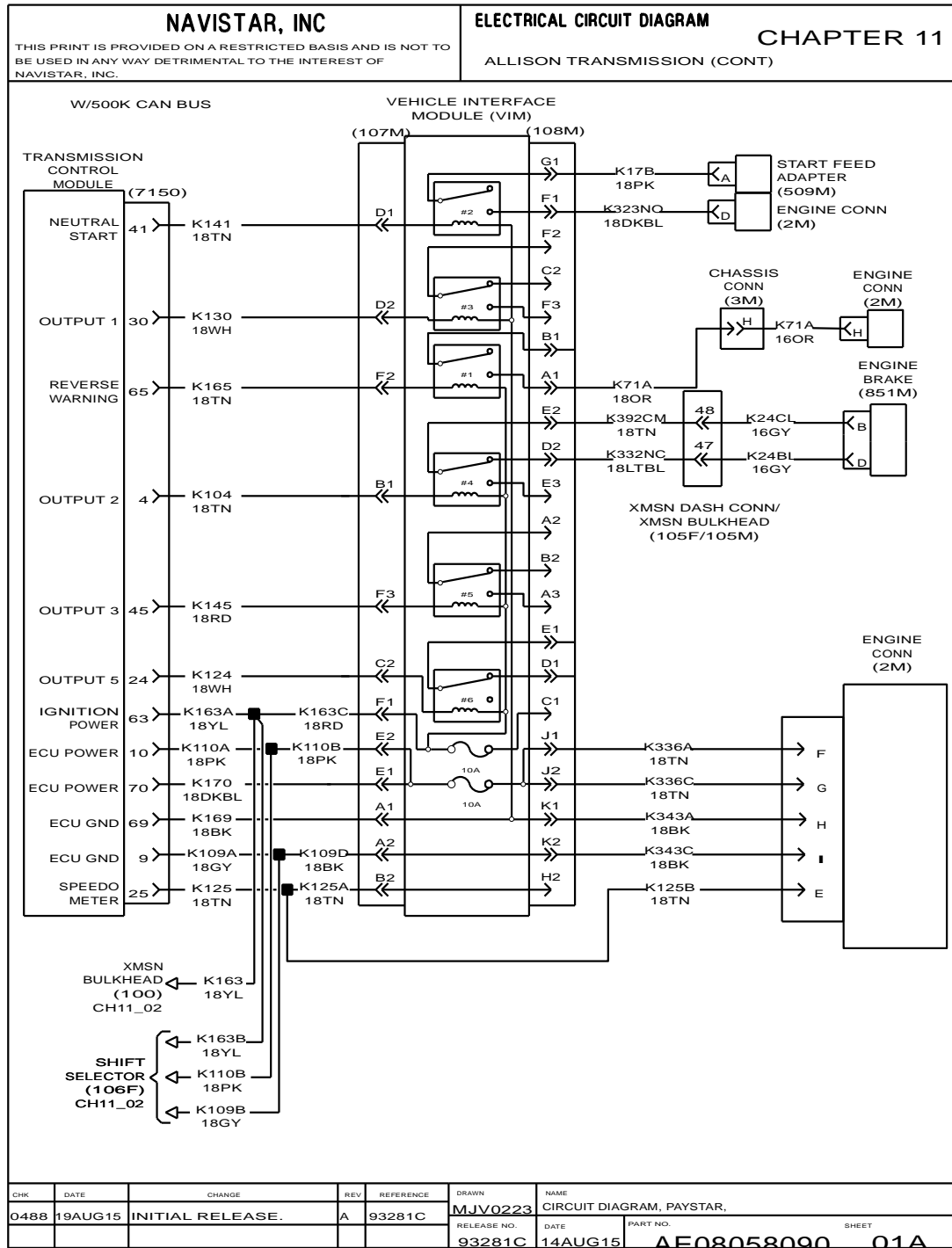


Figure 161 Allison Transmission (Cont.)

11.3. ALLISON TRANSMISSION (CONT.), P. 2

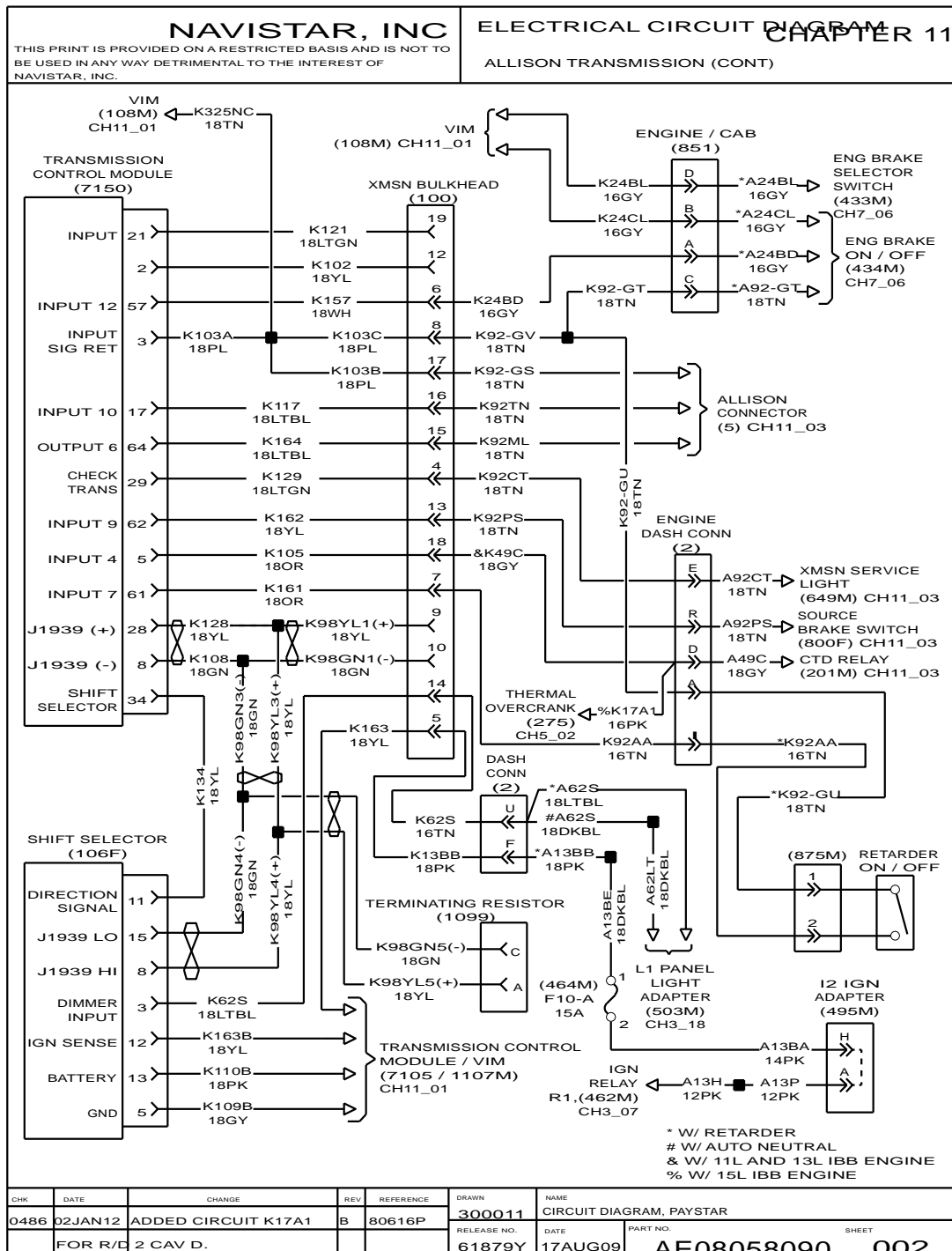


Figure 162 Allison Transmission (Cont.)

11.4. ALLISON TRANSMISSION (CONT.), P. 3

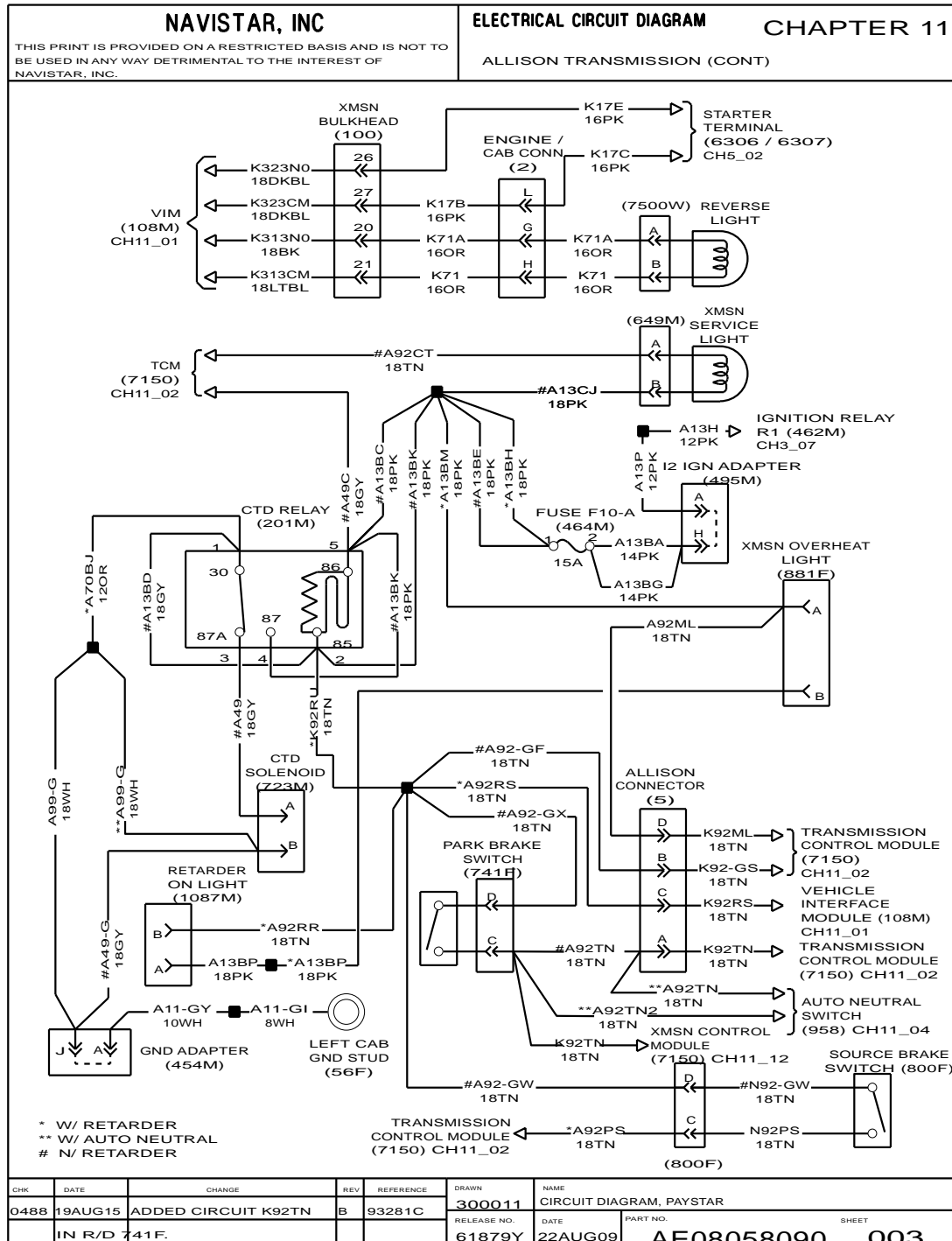


Figure 163 Allison Transmission (Cont.)

11.5. ALLISON TRANSMISSION (CONT.), P. 3A

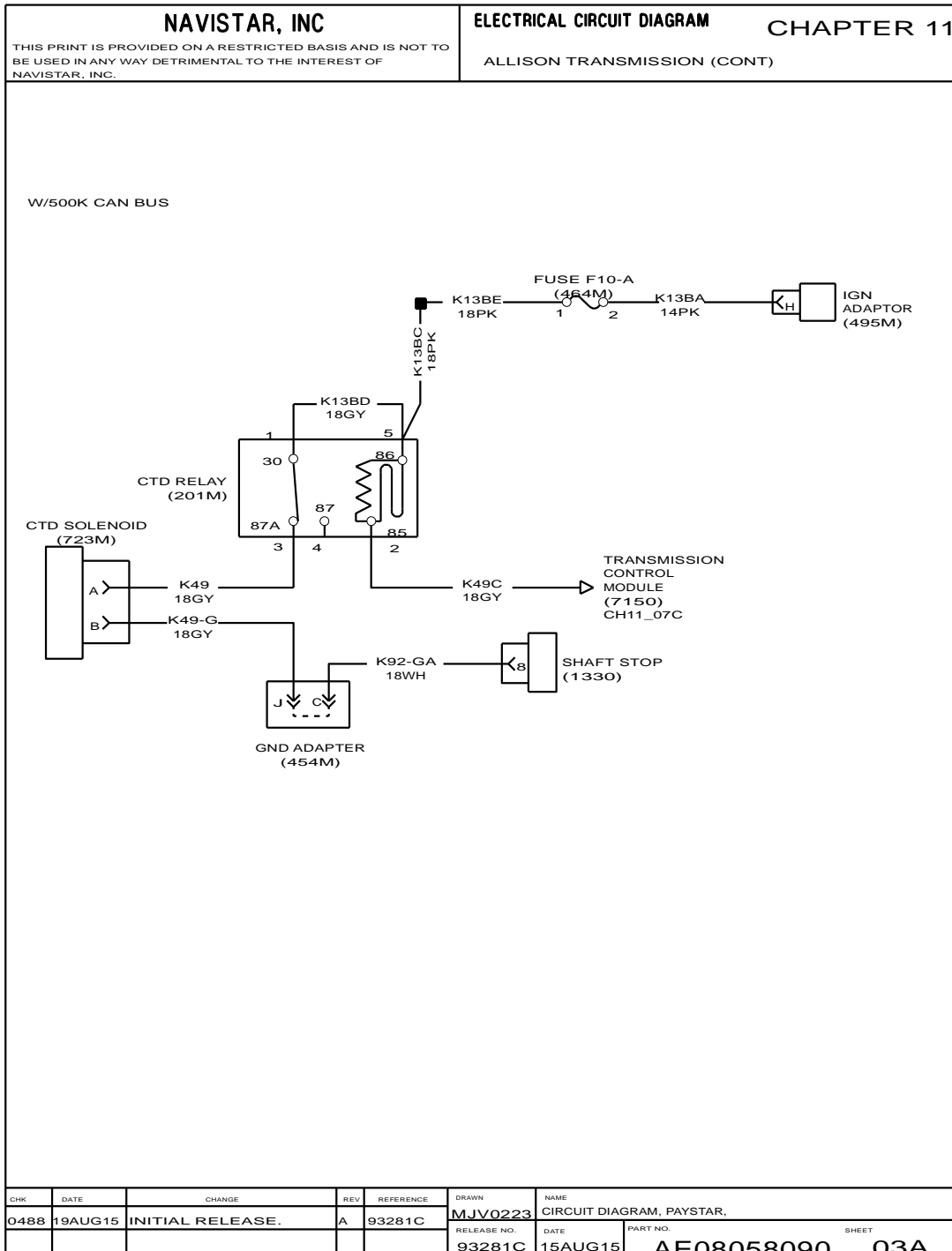


Figure 164 Allison Transmission (Cont.)

11.6. ALLISON TRANSMISSION WITH AUTO NEUTRAL, P. 4

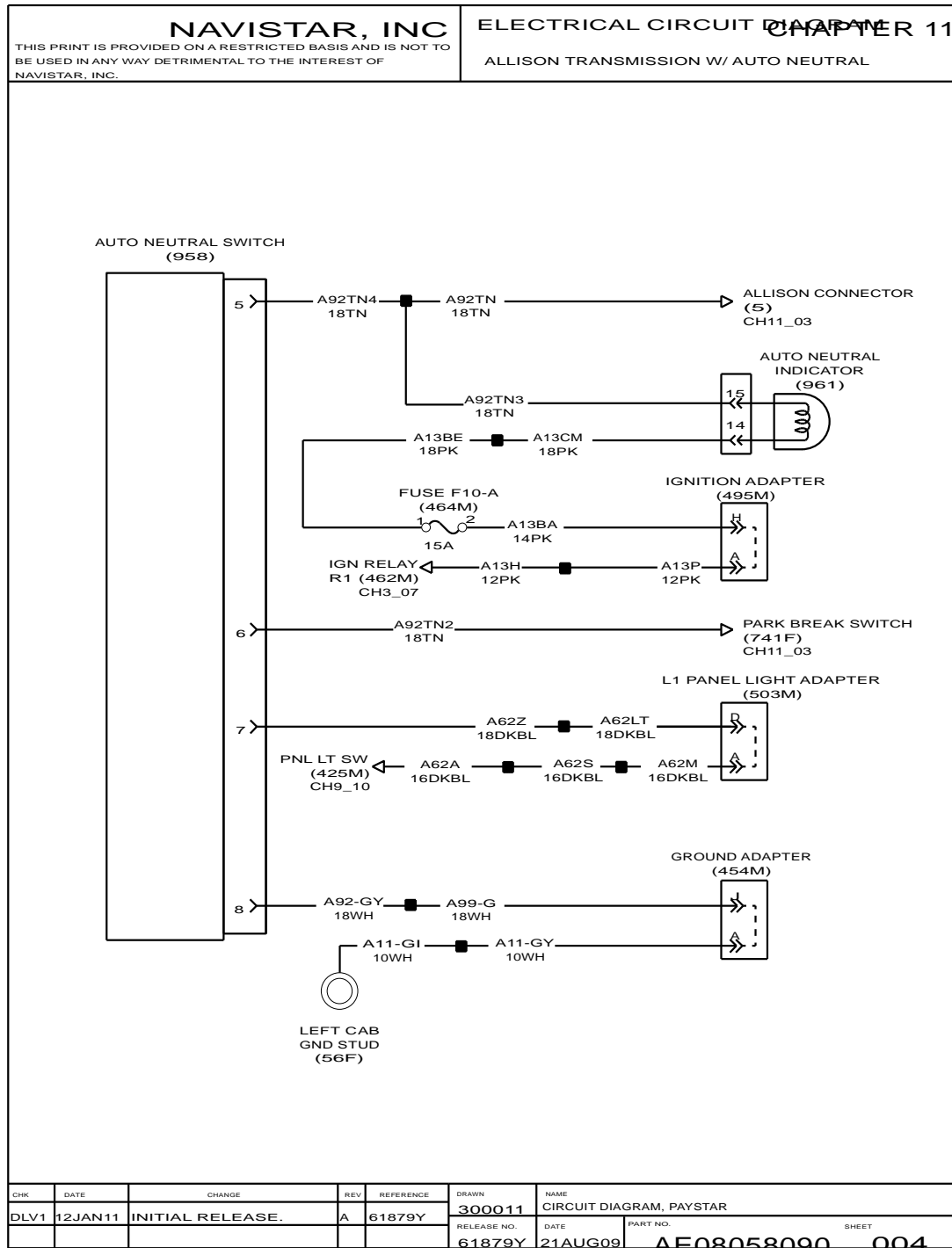


Figure 165 Allison Transmission with Auto Neutral

11.7. ALLISON TRANSMISSION WITH AUTO NEUTRAL (CONT.), P. 4A

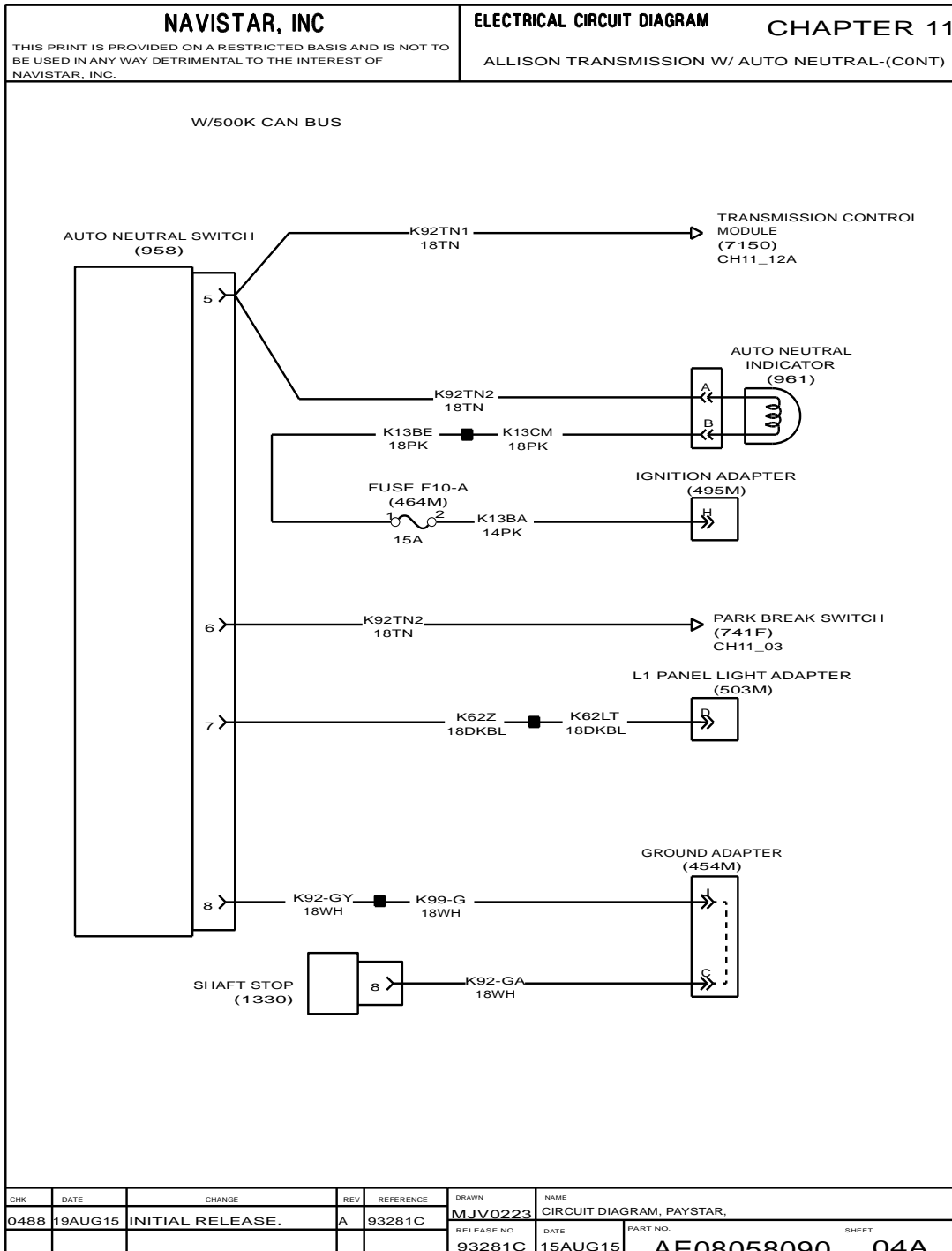


Figure 166 Allison Transmission with Auto Neutral (Cont.)

11.8. ALLISON TRANSMISSION WITH RETARDER, P. 5

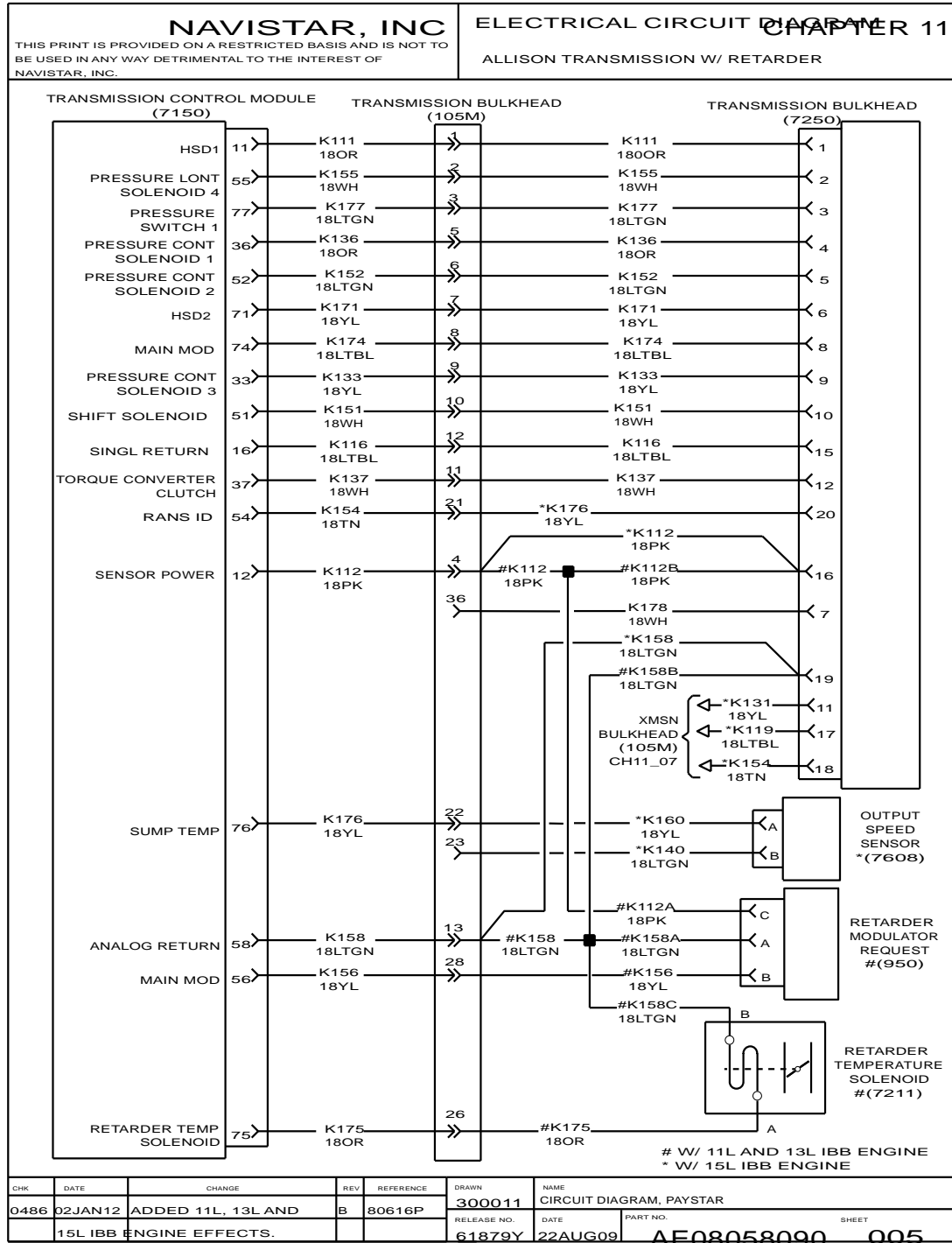


Figure 167 Allison Transmission with Retarder

11.9. ALLISON TRANSMISSION WITH RETARDER (CONT.), P. 6

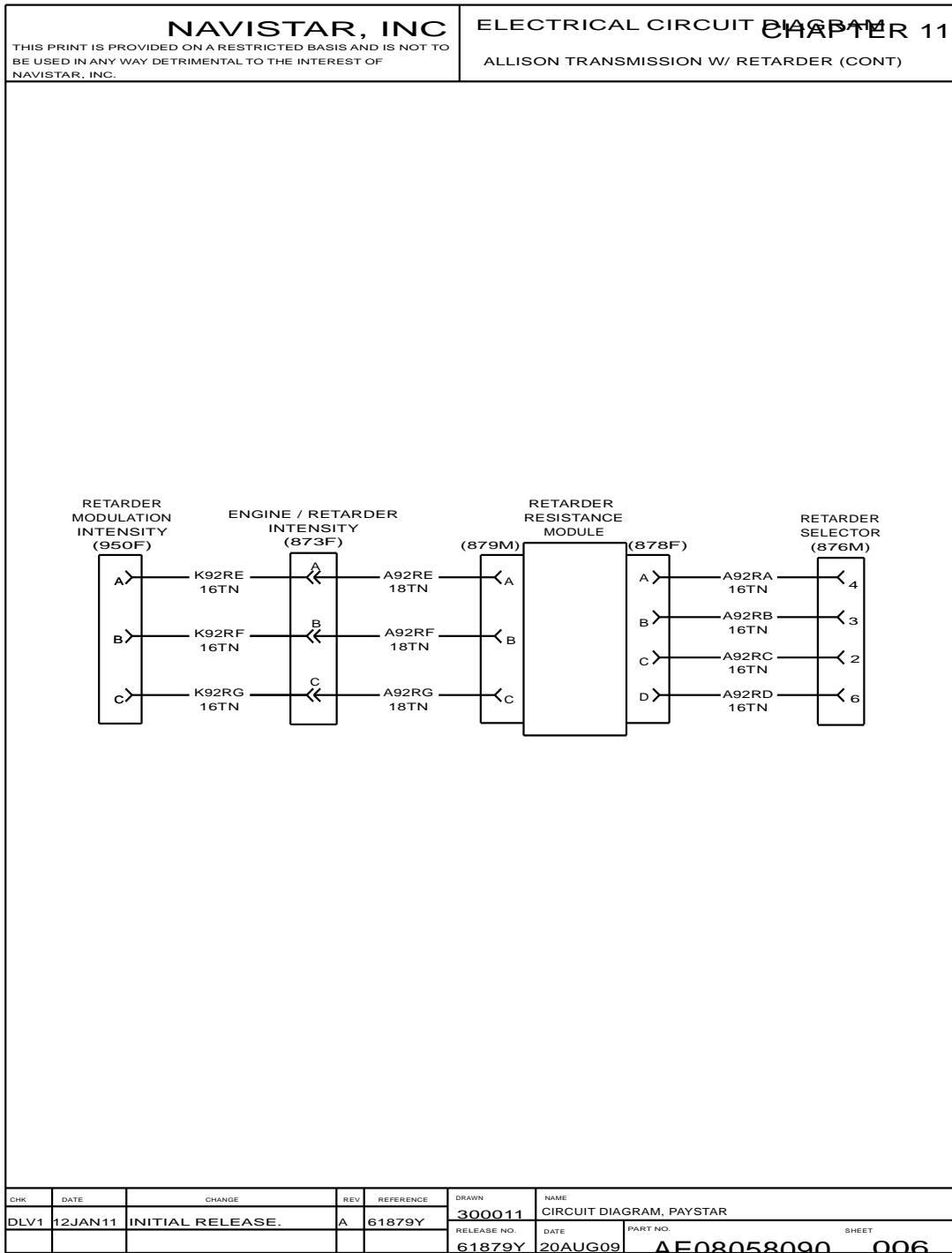


Figure 168 Allison Transmission with Retarder (Cont.)

11.10. ALLISON TRANSMISSION WITH RETARDER (CONT.), P. 7

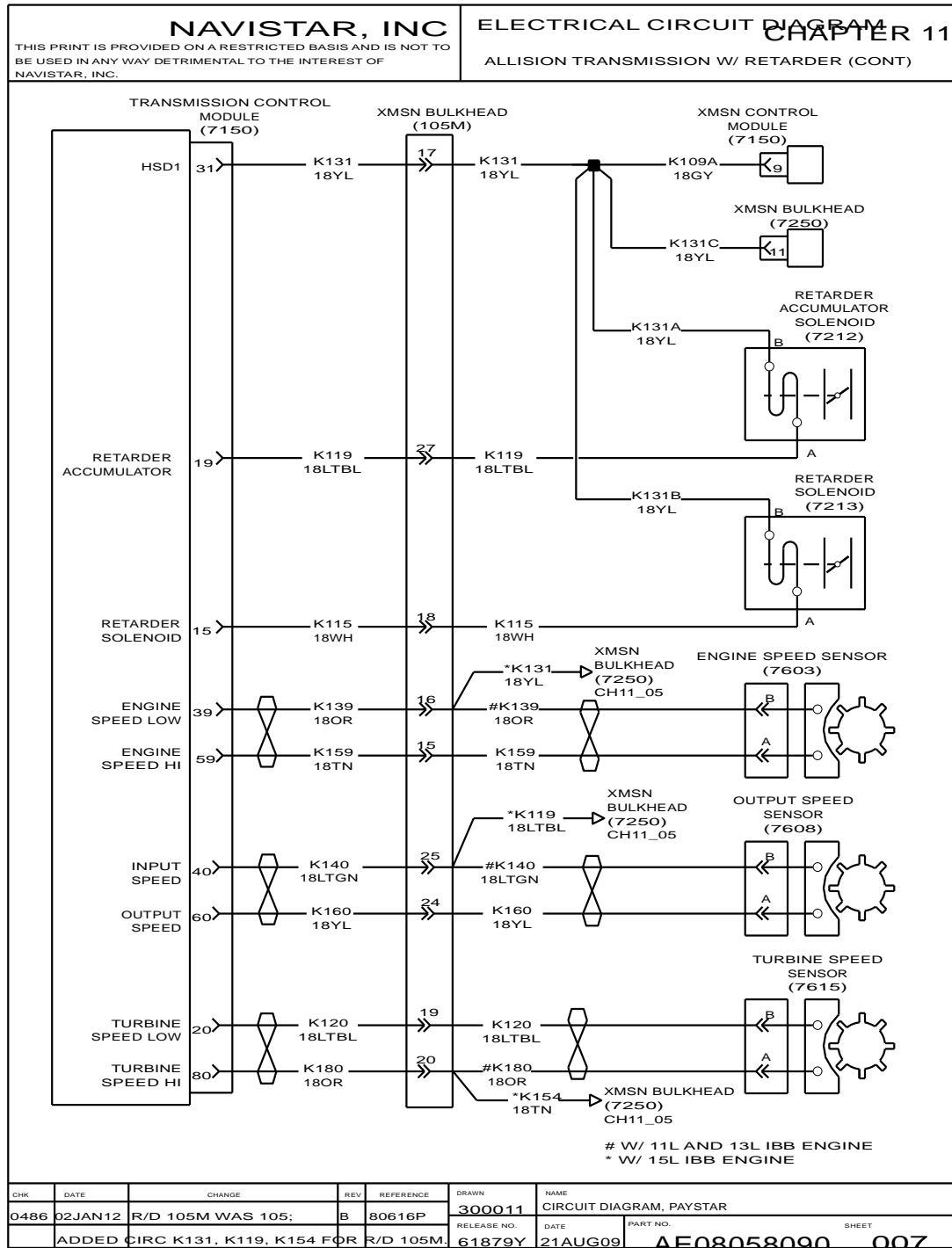


Figure 169 Allison Transmission with Retarder (Cont.)

11.11. ALLISON TRANSMISSION WITH RETARDER (CONT.), P. 7A

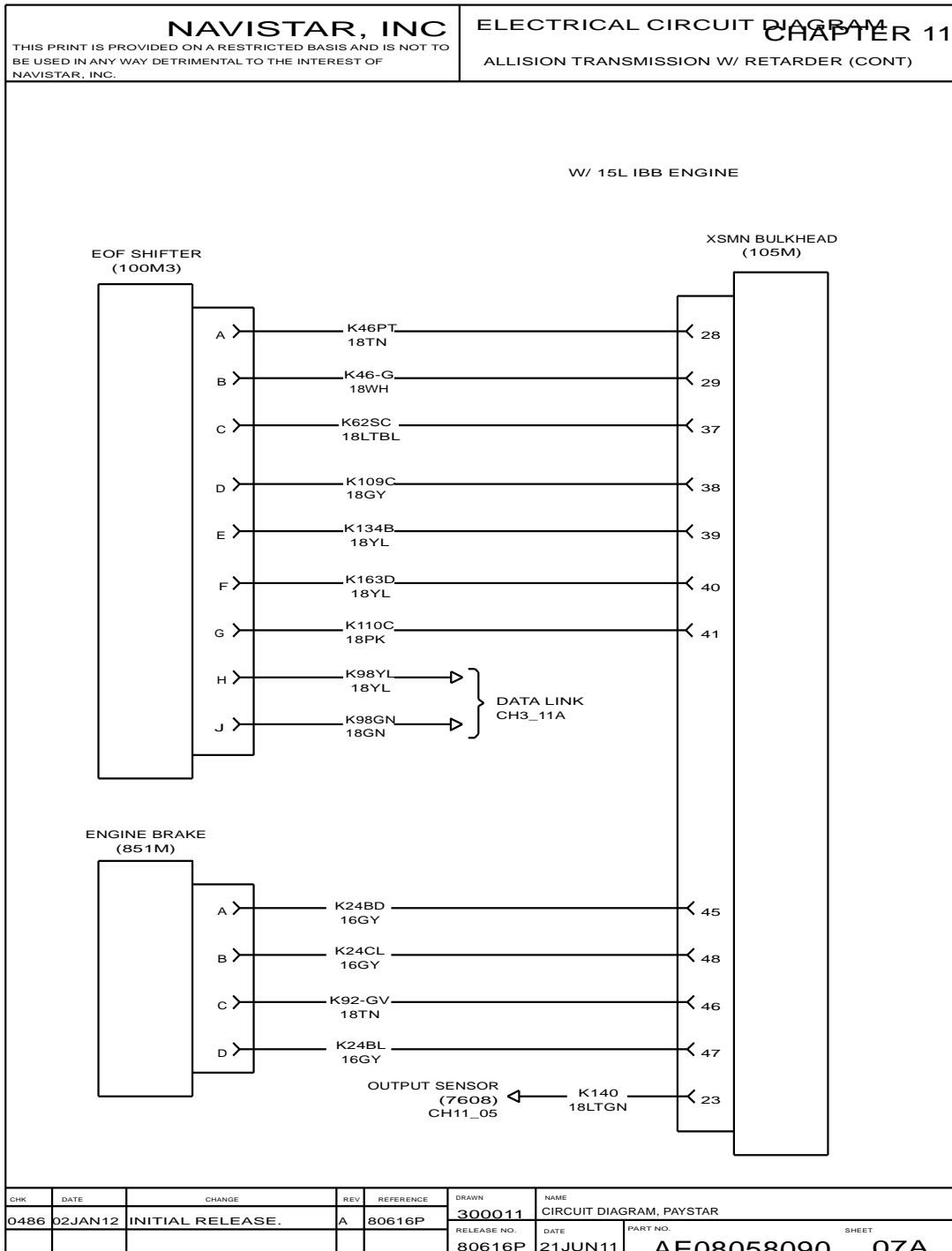


Figure 170 Allison Transmission with Retarder (Cont.)

11.12. ALLISON TRANSMISSION WITH RETARDER (CONT.), P. 7B

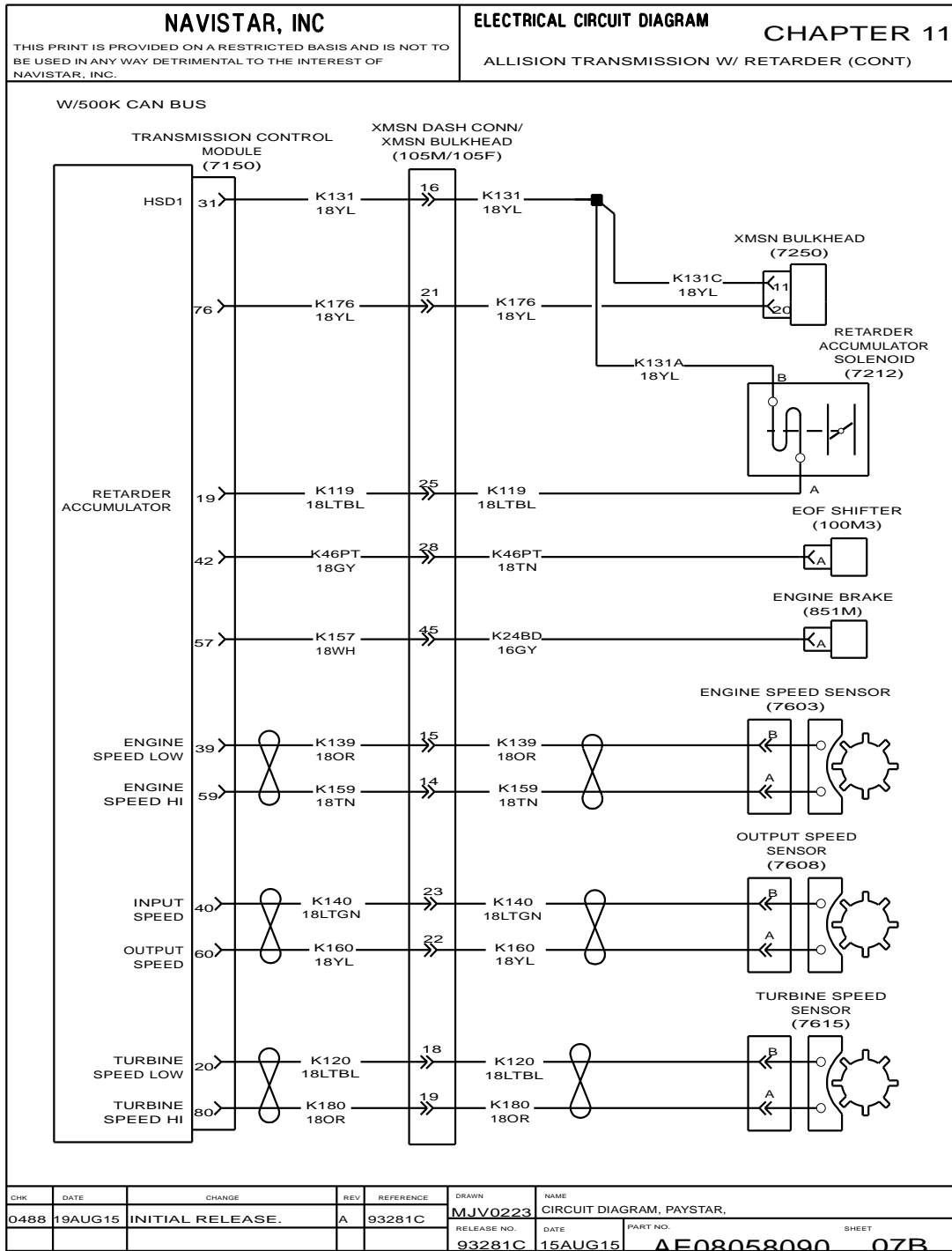


Figure 171 Allison Transmission with Retarder (Cont.)

11.13. ALLISON TRANSMISSION WITH RETARDER (CONT.), P. 7C

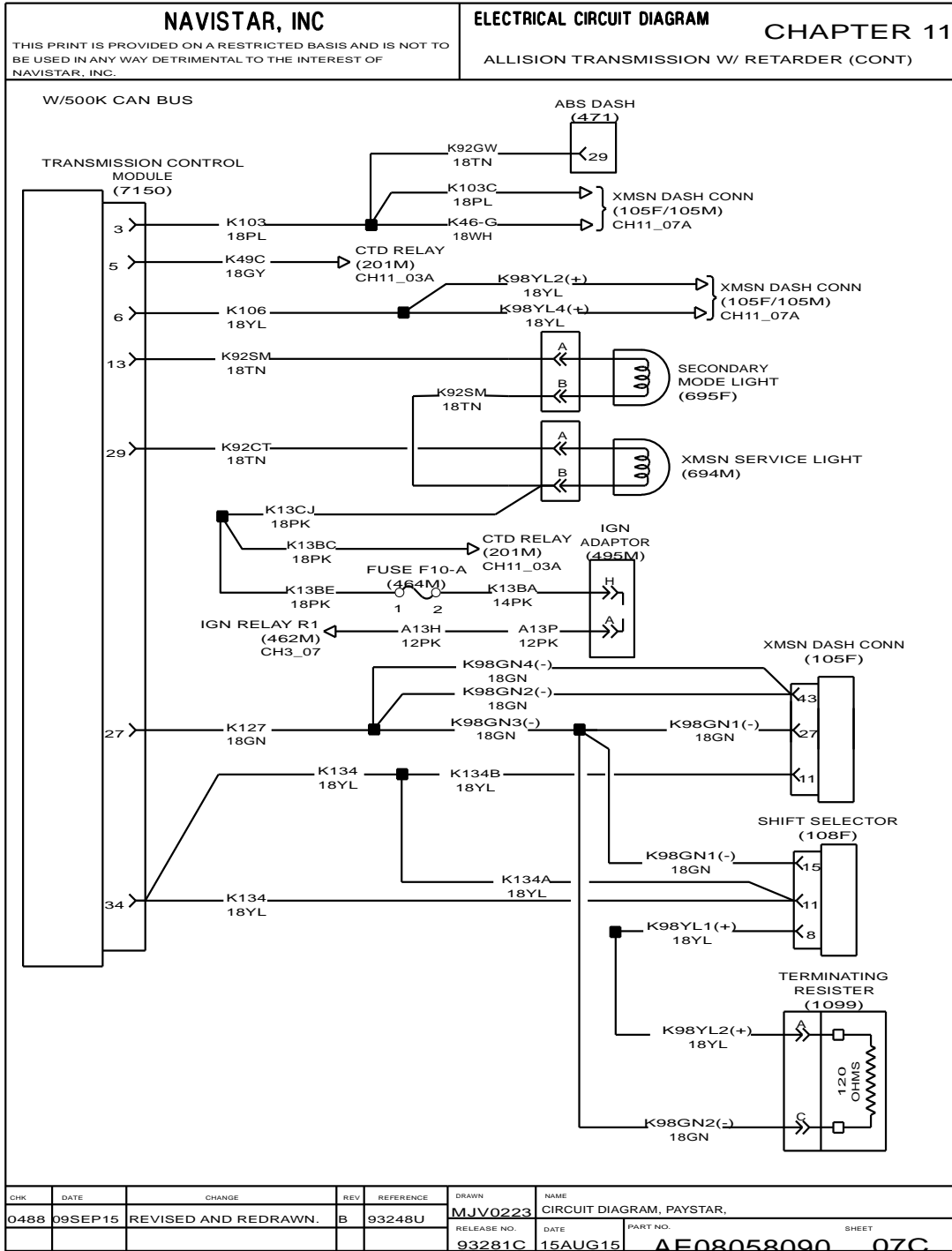


Figure 172 Allison Transmission with Retarder (Cont.)

11.14. ALLISON TRANSMISSION WITH RETARDER (CONT.), P. 7D

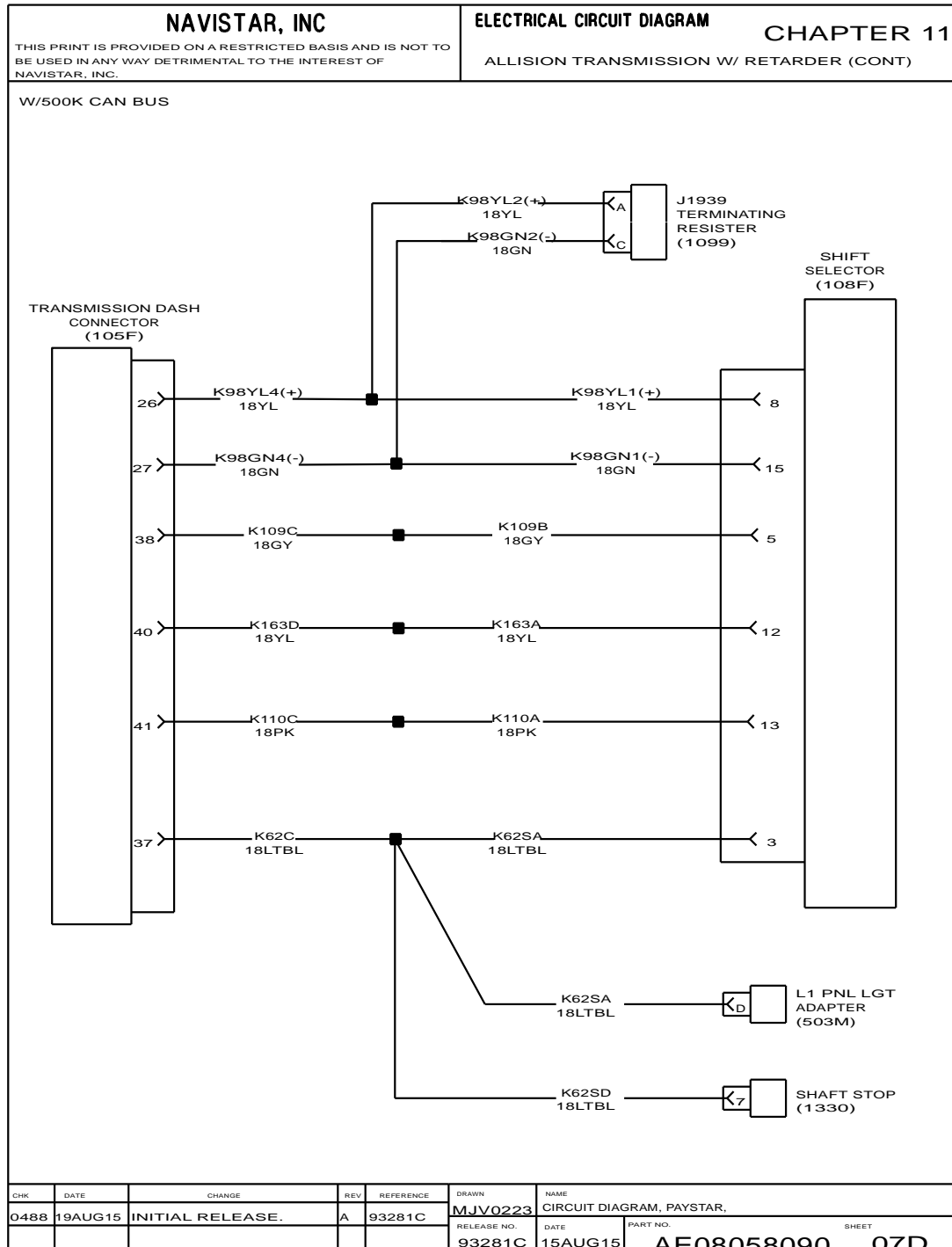


Figure 173 Allison Transmission with Retarder (Cont.)

11.15. EATON ULTRASHIFT GEN III TRANSMISSION, P. 8

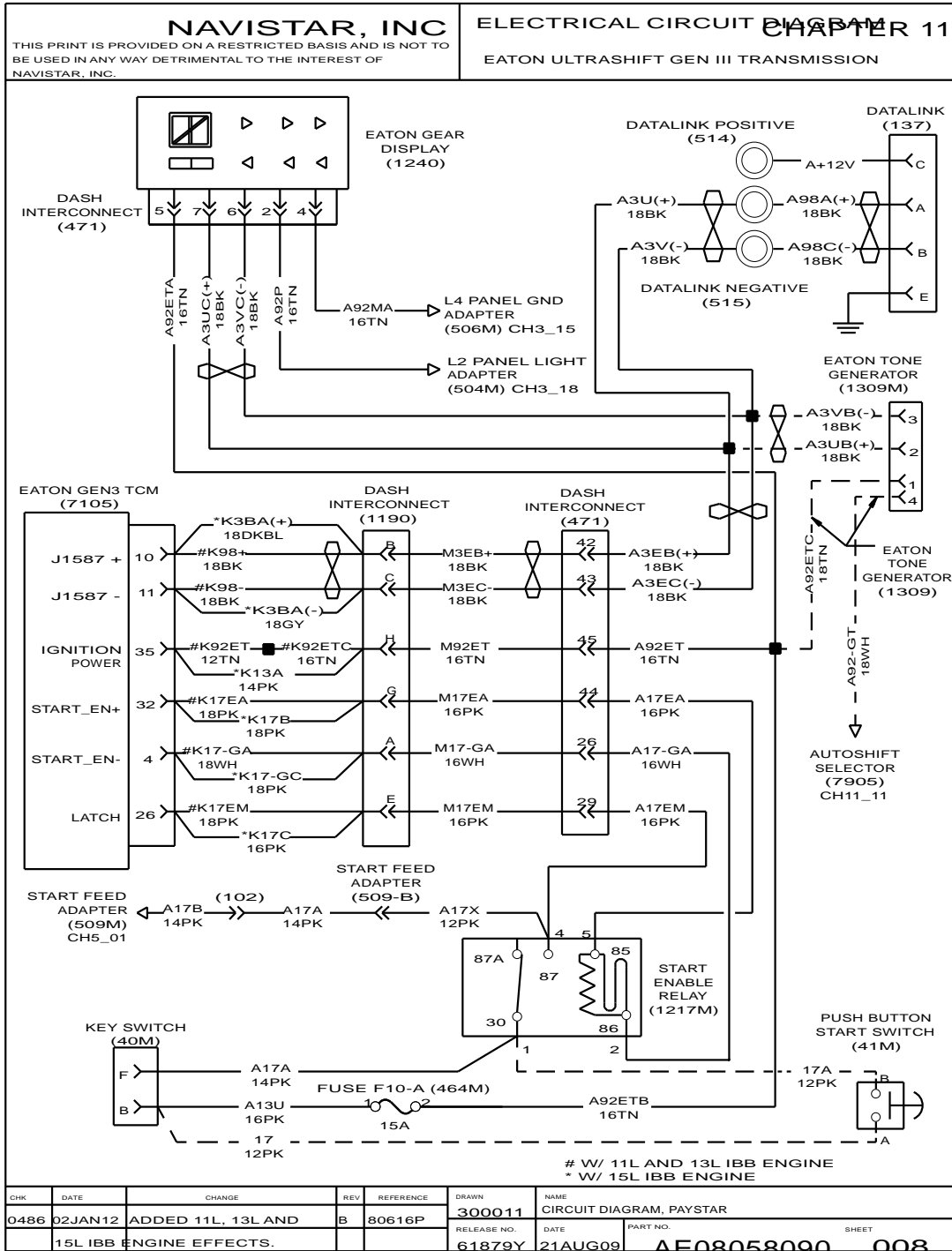


Figure 174 Eaton Ultrashift GEN III Transmission

11.16. EATON ULTRASHIFT PLUS GEN III TRANSMISSION, P. 8A

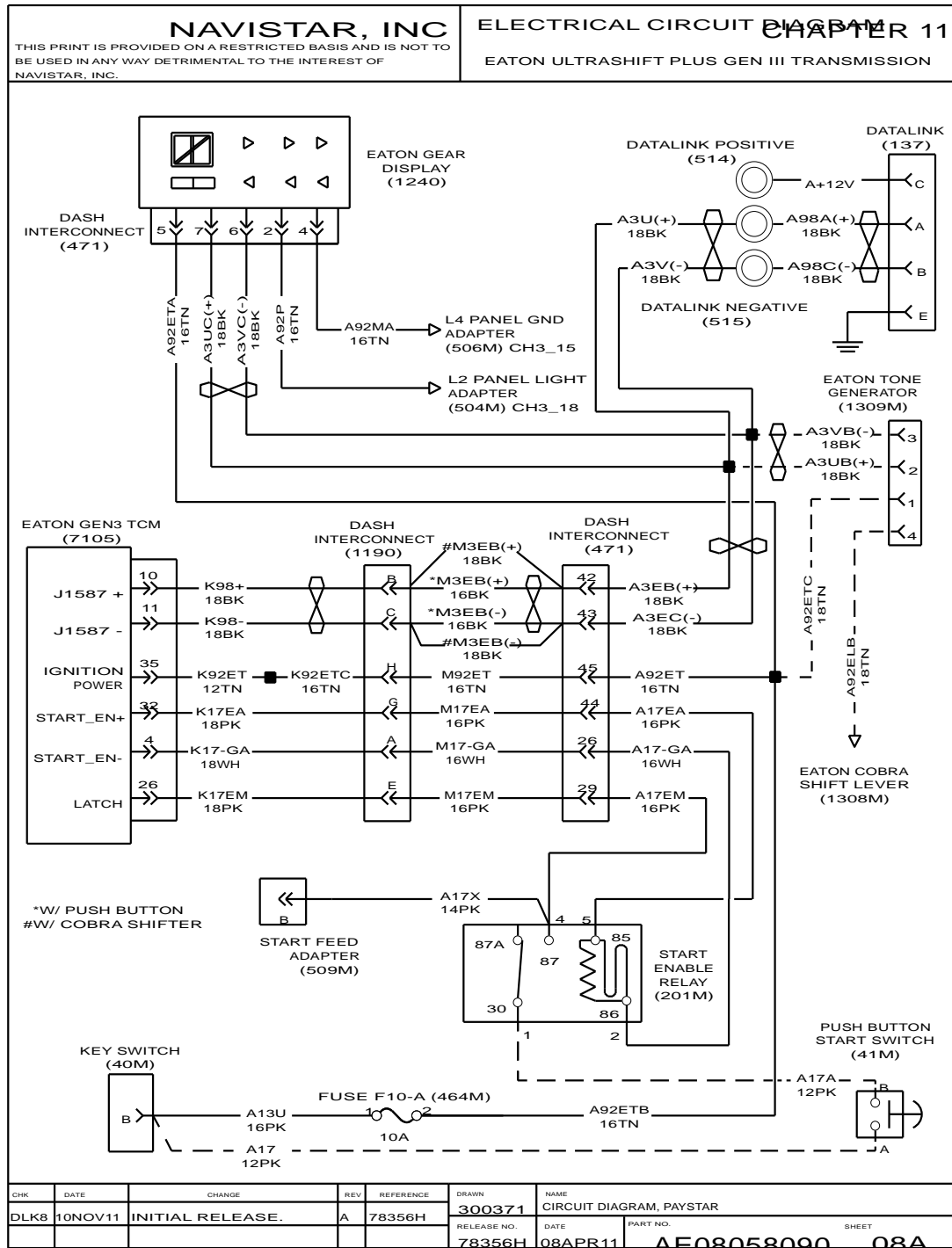


Figure 175 Eaton Ultrashift Plus GEN III Transmission

11.17. EATON ULTRASHIFT GEN III TRANSMISSION (CONT.), P. 9

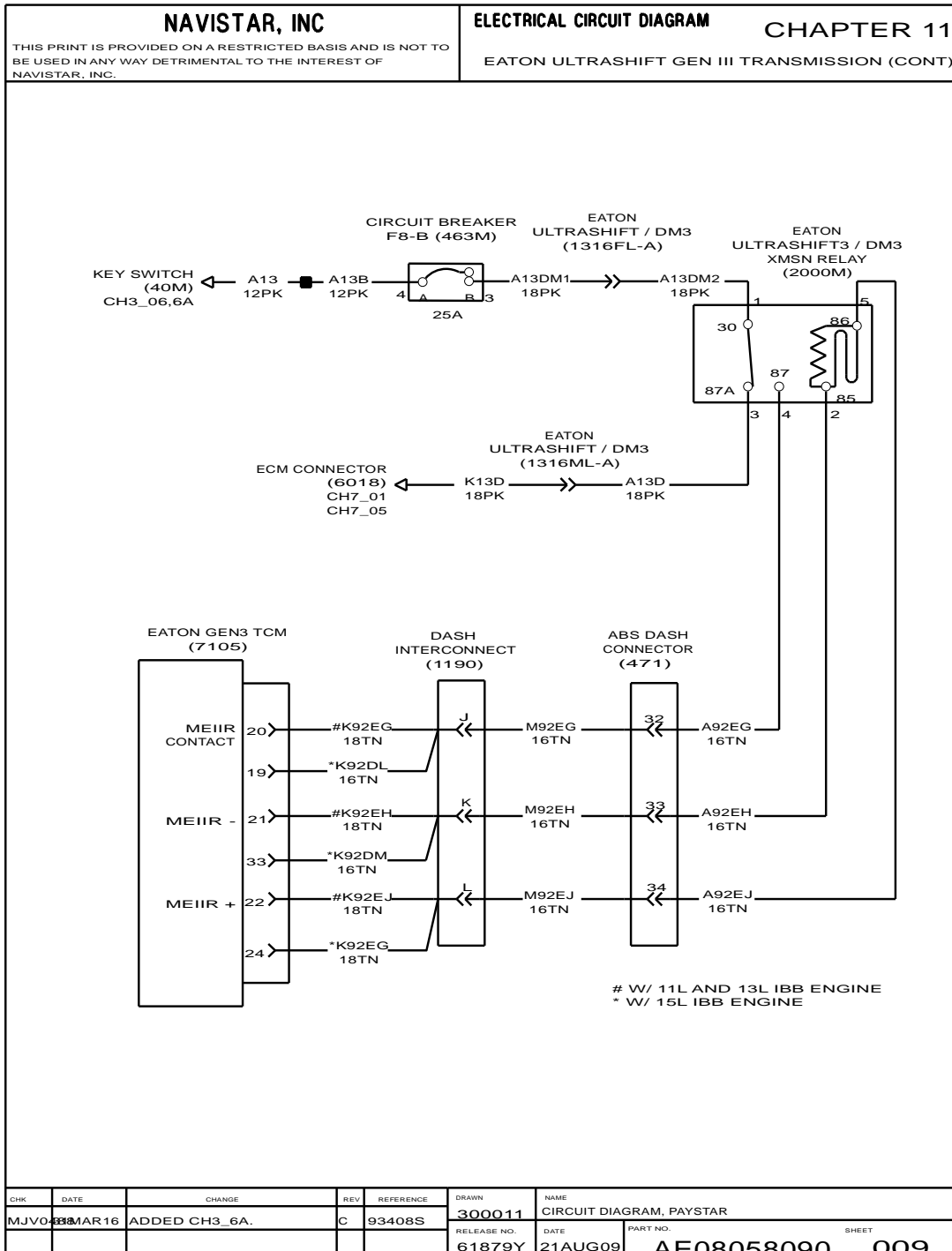


Figure 176 Eaton Ultrashift GEN III Transmission (Cont.)

11.18. EATON ULTRASHIFT PLUS GEN III TRANSMISSION (CONT.), P. 9A

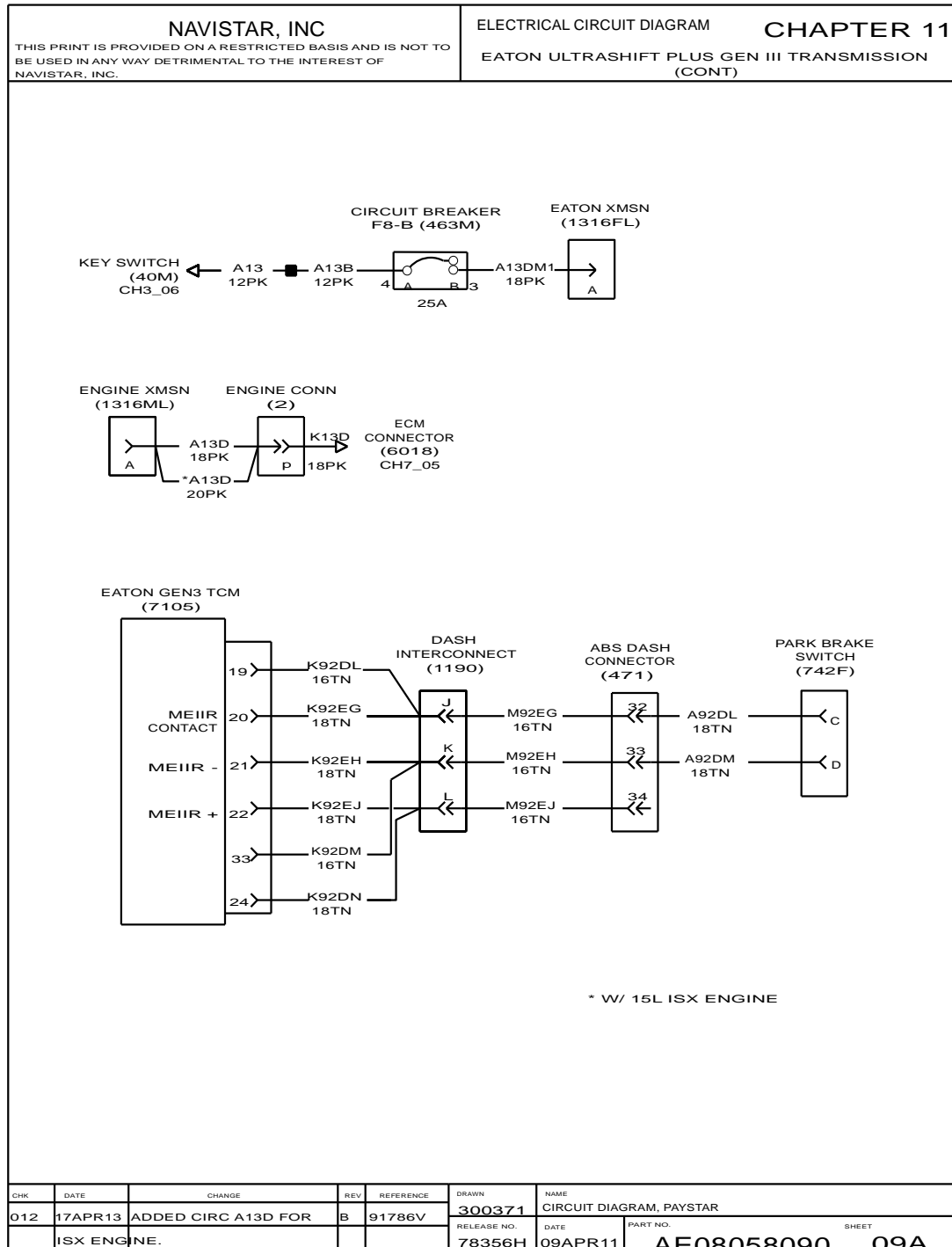


Figure 177 Eaton Ultrashift Plus GEN III Transmission (Cont.)

11.19. EATON ULTRASHIFT GEN III WITH PUSHBUTTON SHIFT, P. 10

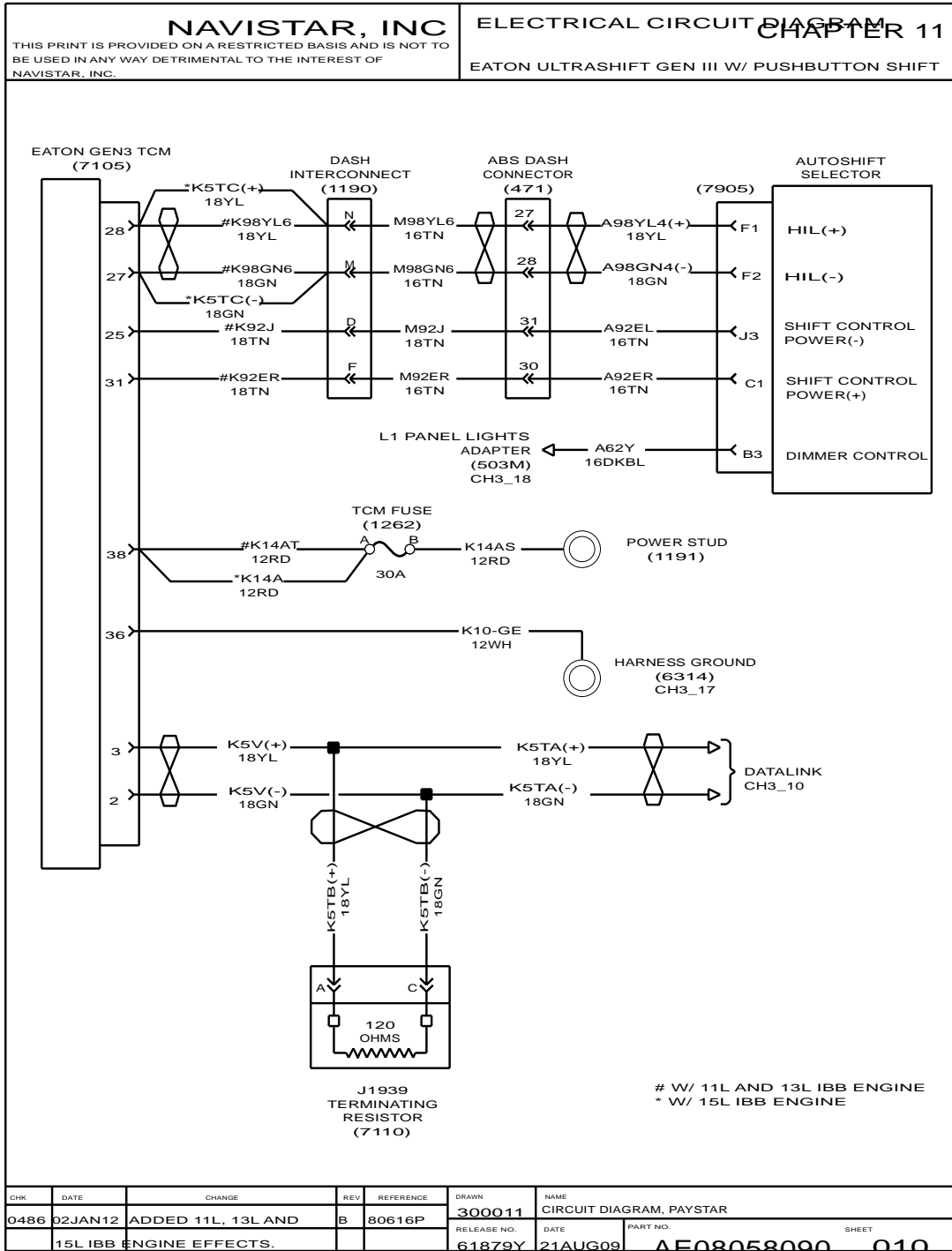


Figure 178 Eaton Ultrashift GEN III with Pushbutton Shift

11.20. EATON ULTRASHIFT GEN III WITH PUSHBUTTON SHIFT, P. 10A

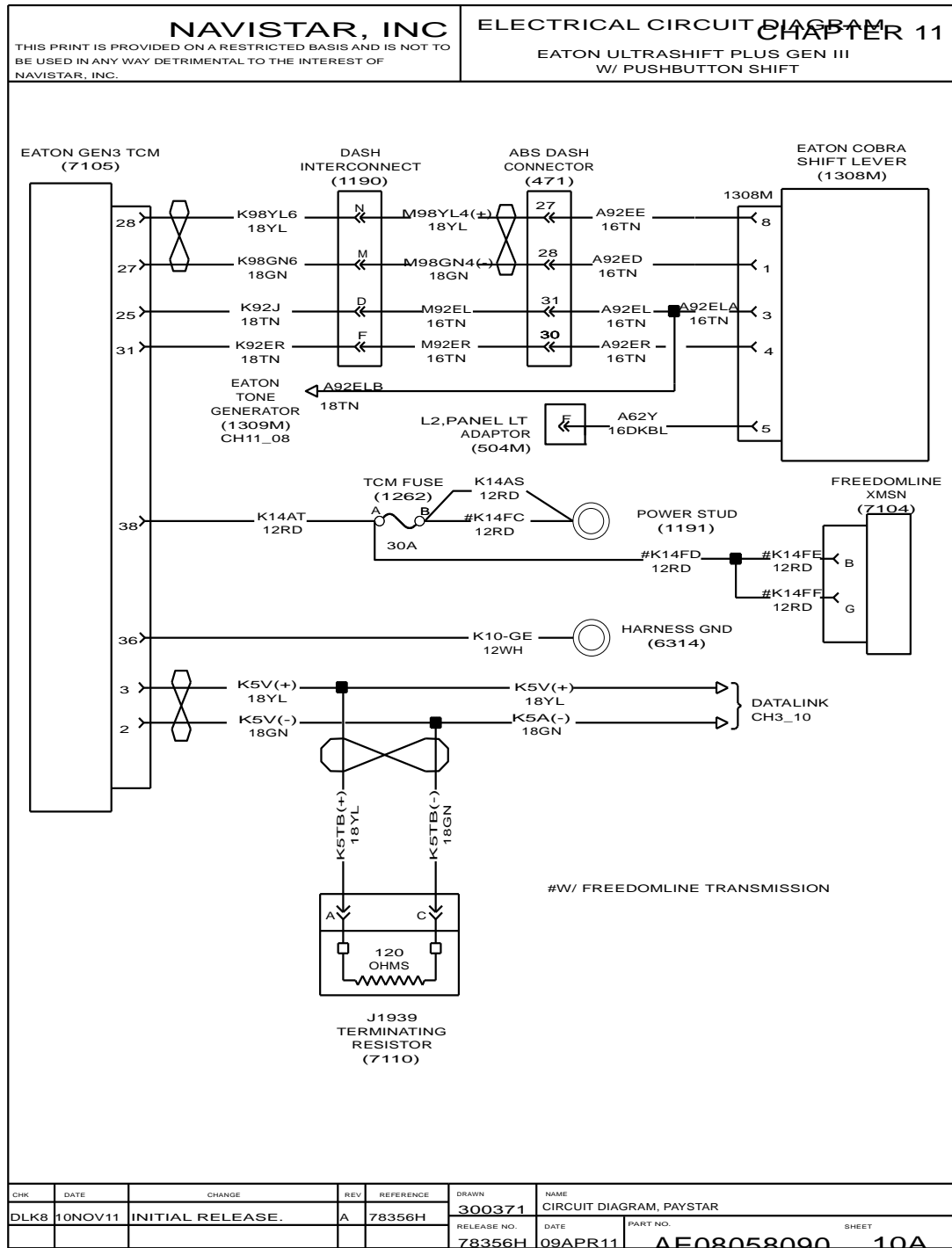


Figure 179 Eaton Ultrashift GEN III with Pushbutton Shift

11.21. AUTOSHIFT GEN III WITH COBRA SHIFTER, P. 11

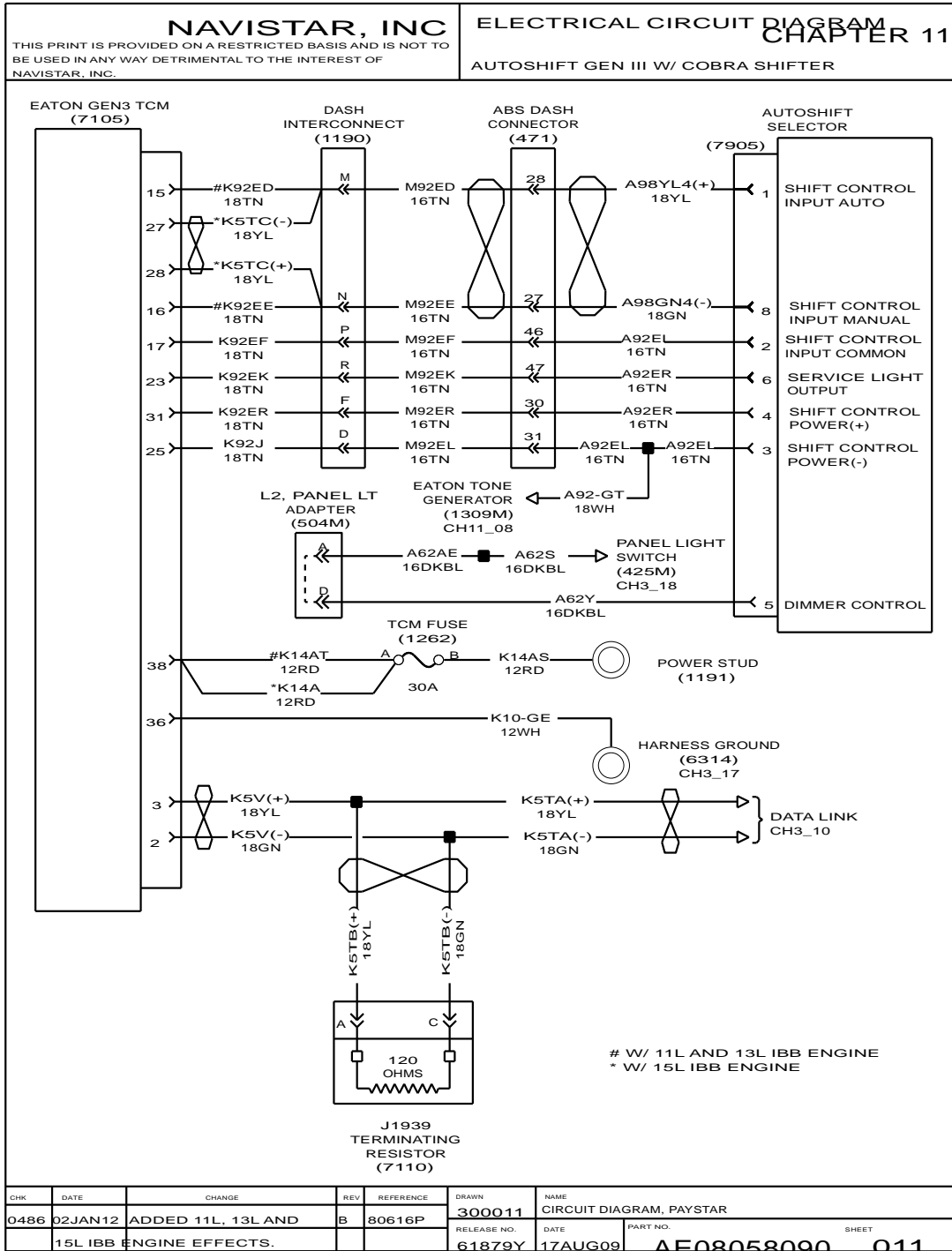


Figure 180 Autoshift GEN III with Cobra Shifter

11.22. EATON ULTRASHIFT PLUS GEN III WITH COBRA SHIFTER, P. 11A

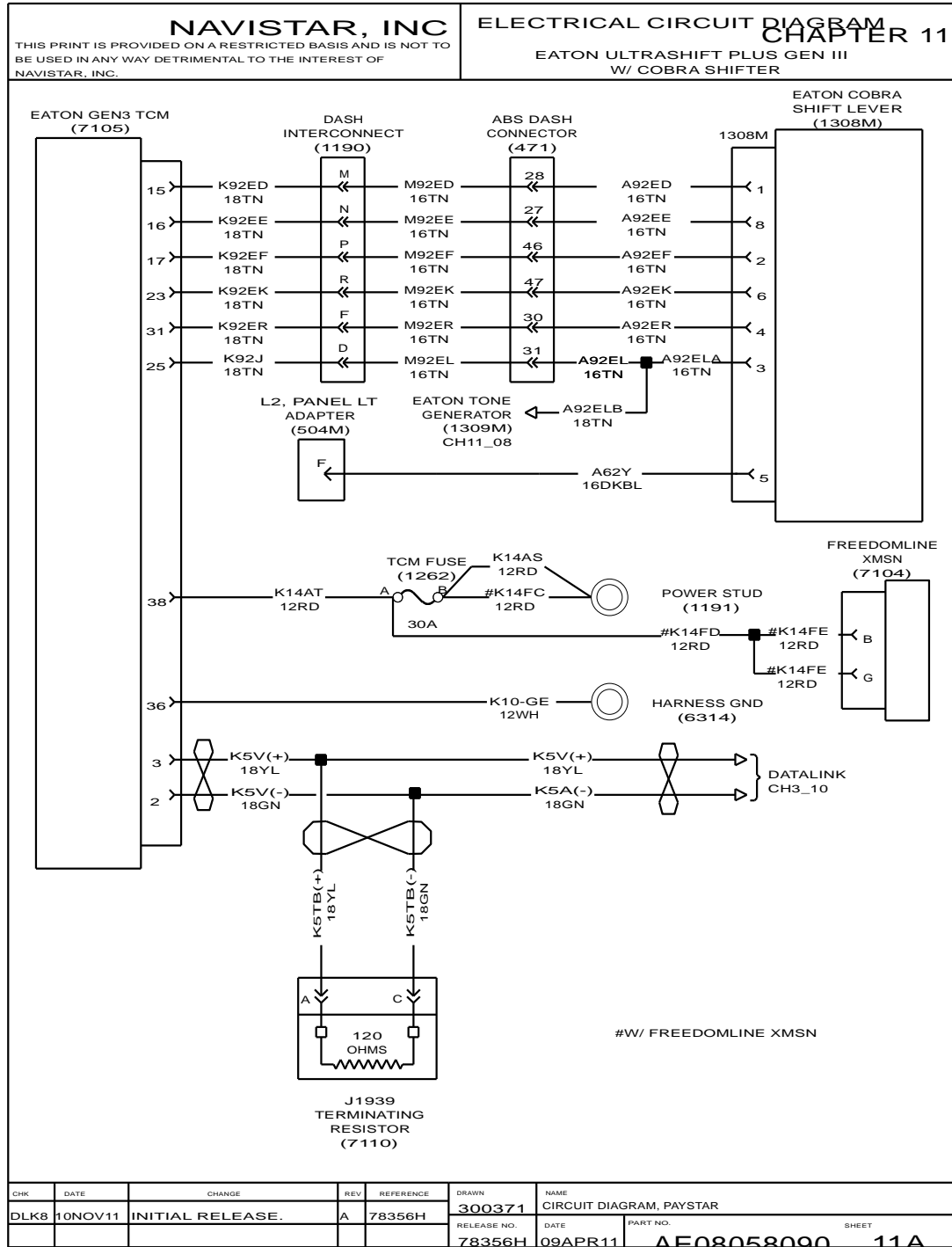


Figure 181 Eaton Ultrashift Plus Gen III with Cobra Shifter

11.23. ALLISON TRANSMISSION WITH RETARDER WITH ISX ENGINE, P. 12

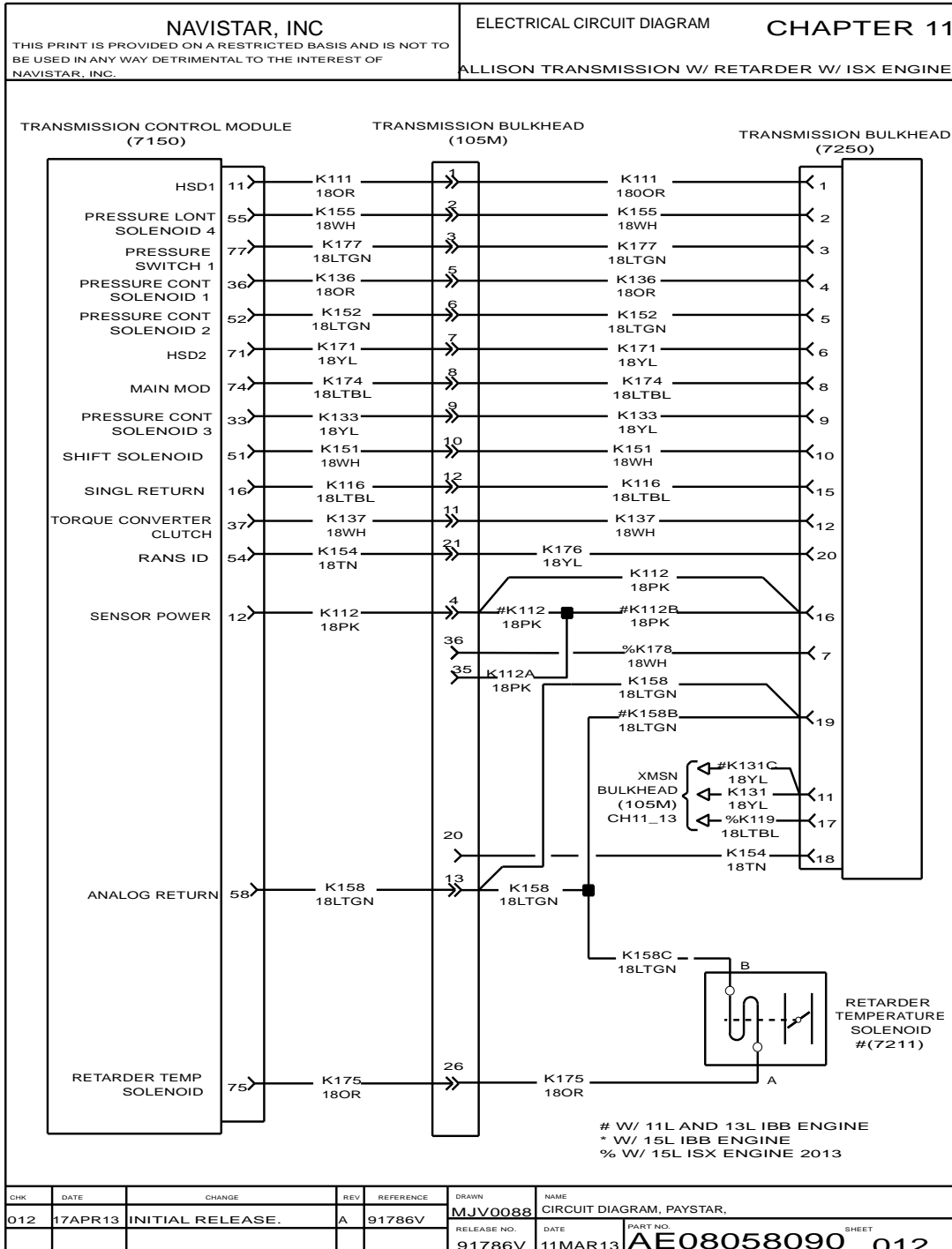


Figure 182 Allison Transmission with Retarder with ISX Engine

11.24. ALLISON TRANSMISSION WITH 500K CAN BUS, P. 12A

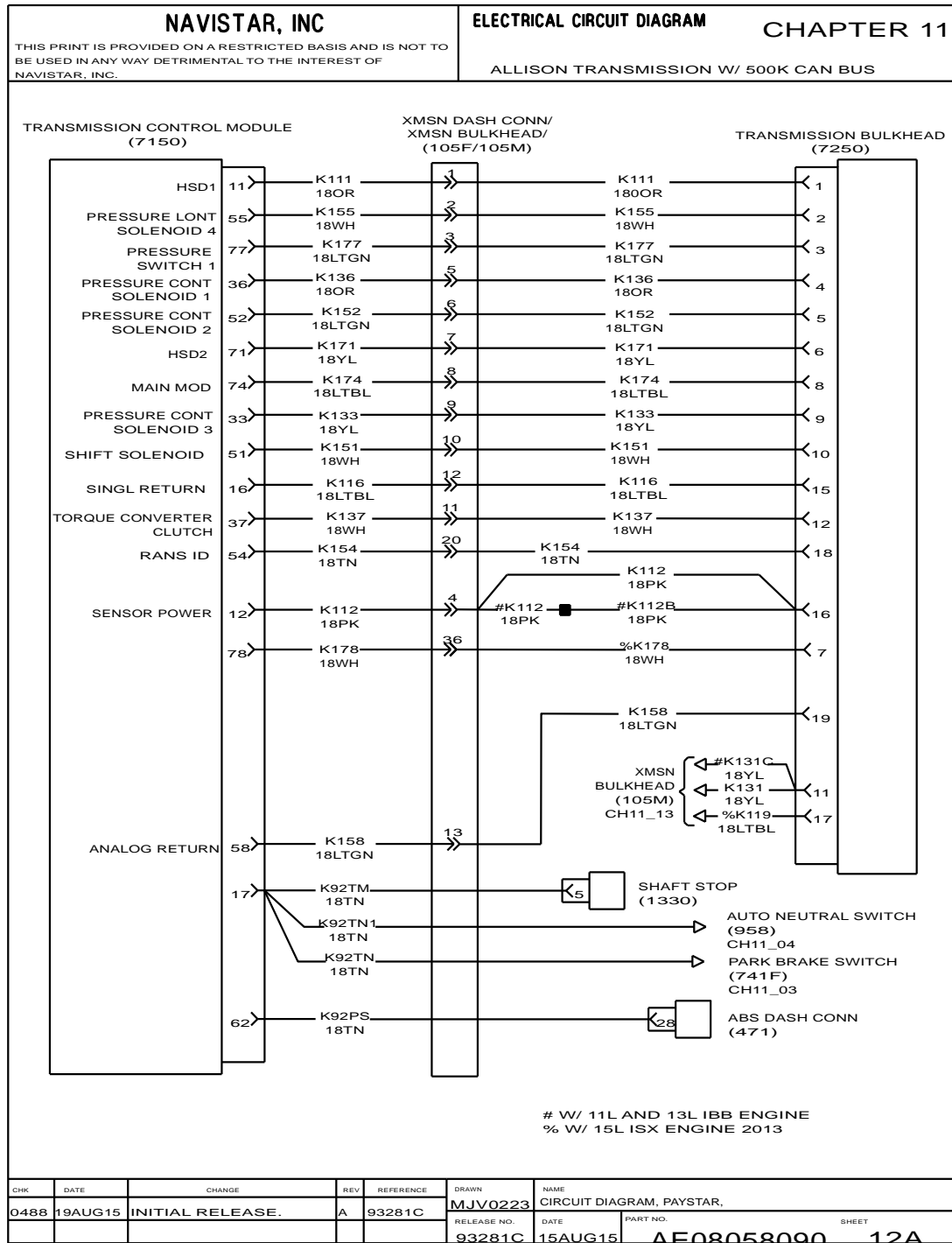


Figure 183 Allison Transmission with 500K Can Bus

11.25. ALLISON TRANSMISSION WITH RETARDER WITH ISX ENGINE (CONT.), P. 13

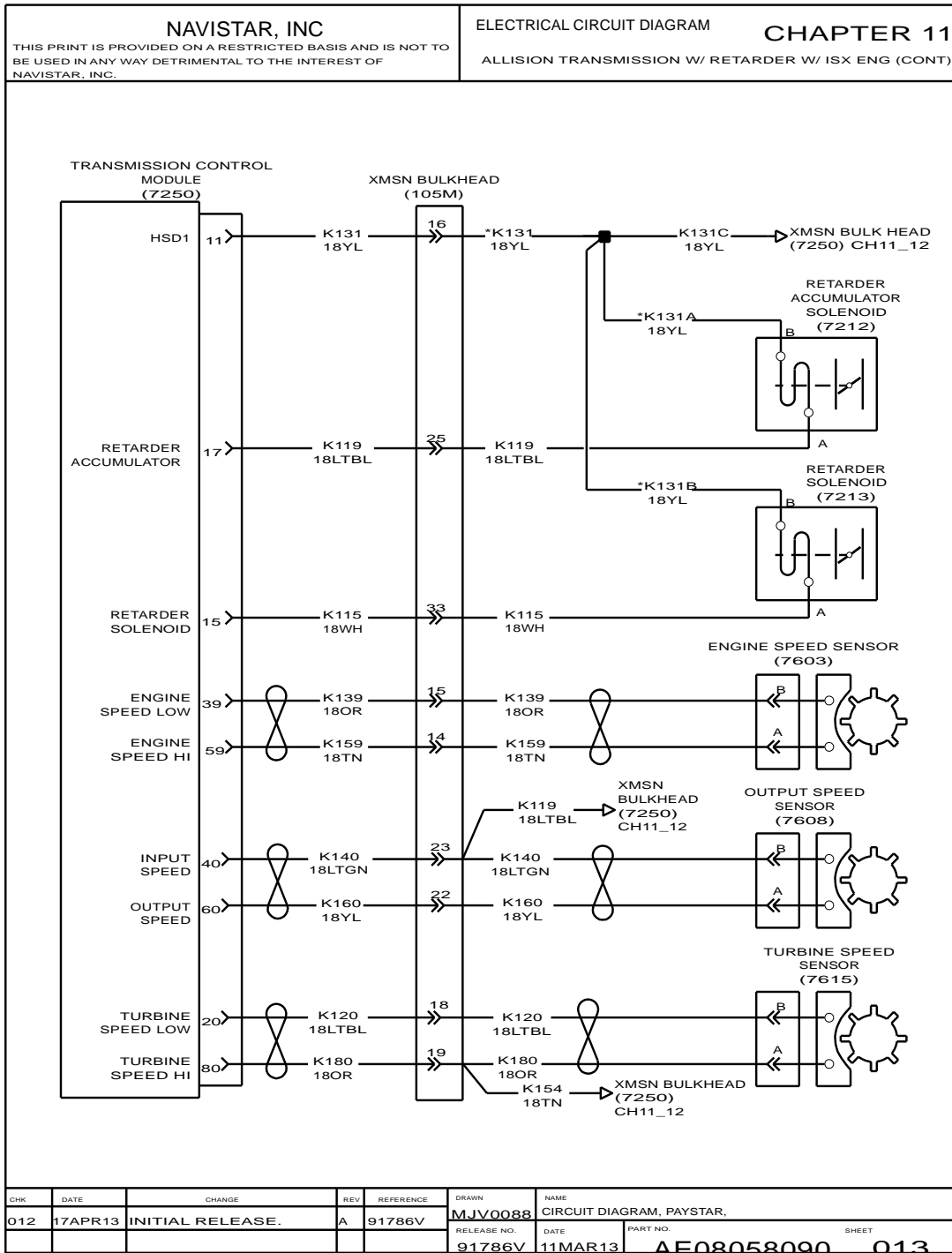


Figure 184 Allison Transmission with Retarder with ISX Engine (Cont.)

HVAC (CHAPTER 12)

12.1. AIR CONDITIONER – CAB, P. 1

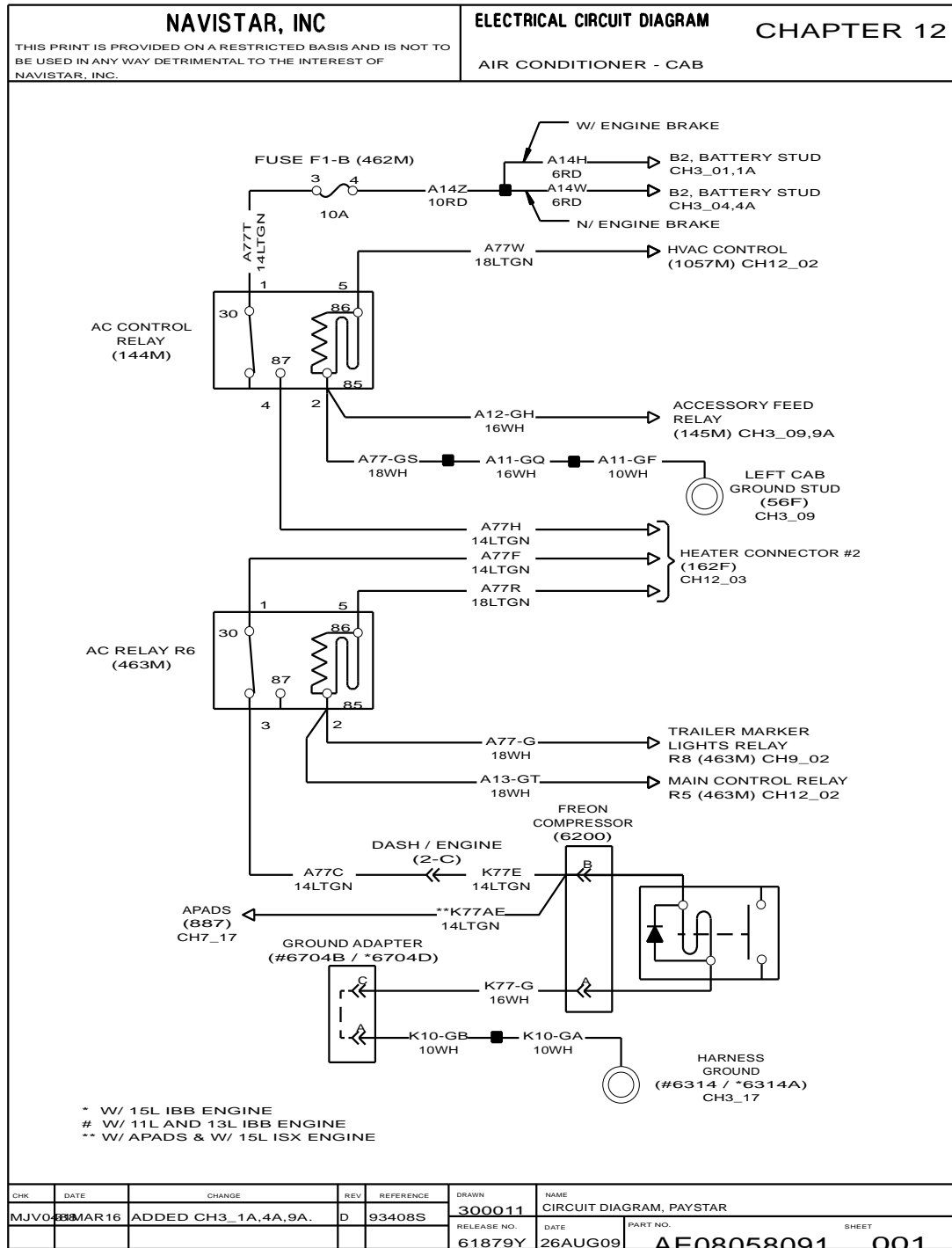


Figure 185 Air Conditioner – CAB

12.2. HEATER – CAB, P. 2

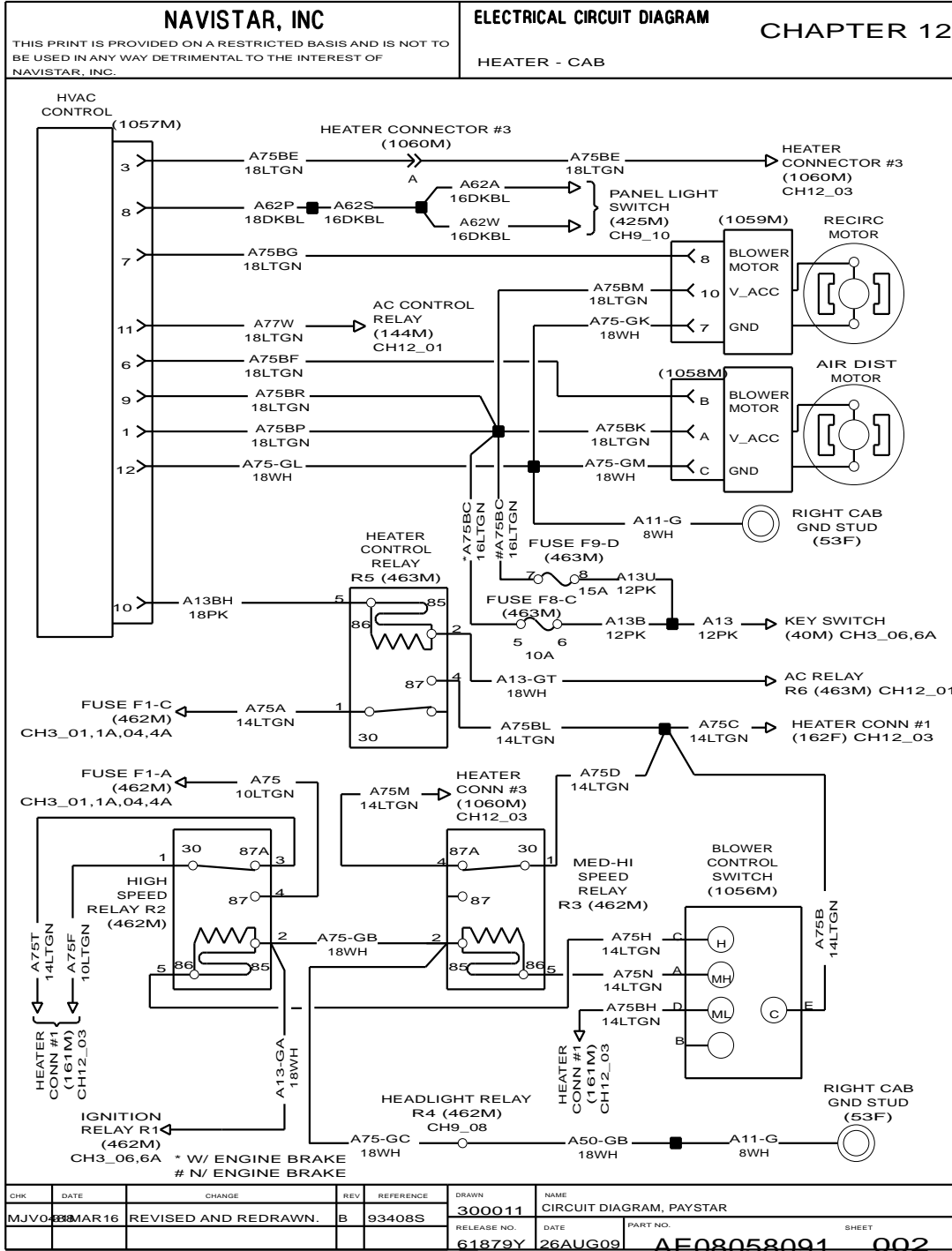


Figure 186 Heater – CAB

12.3. LOWERED HEATER – CAB, P. 3

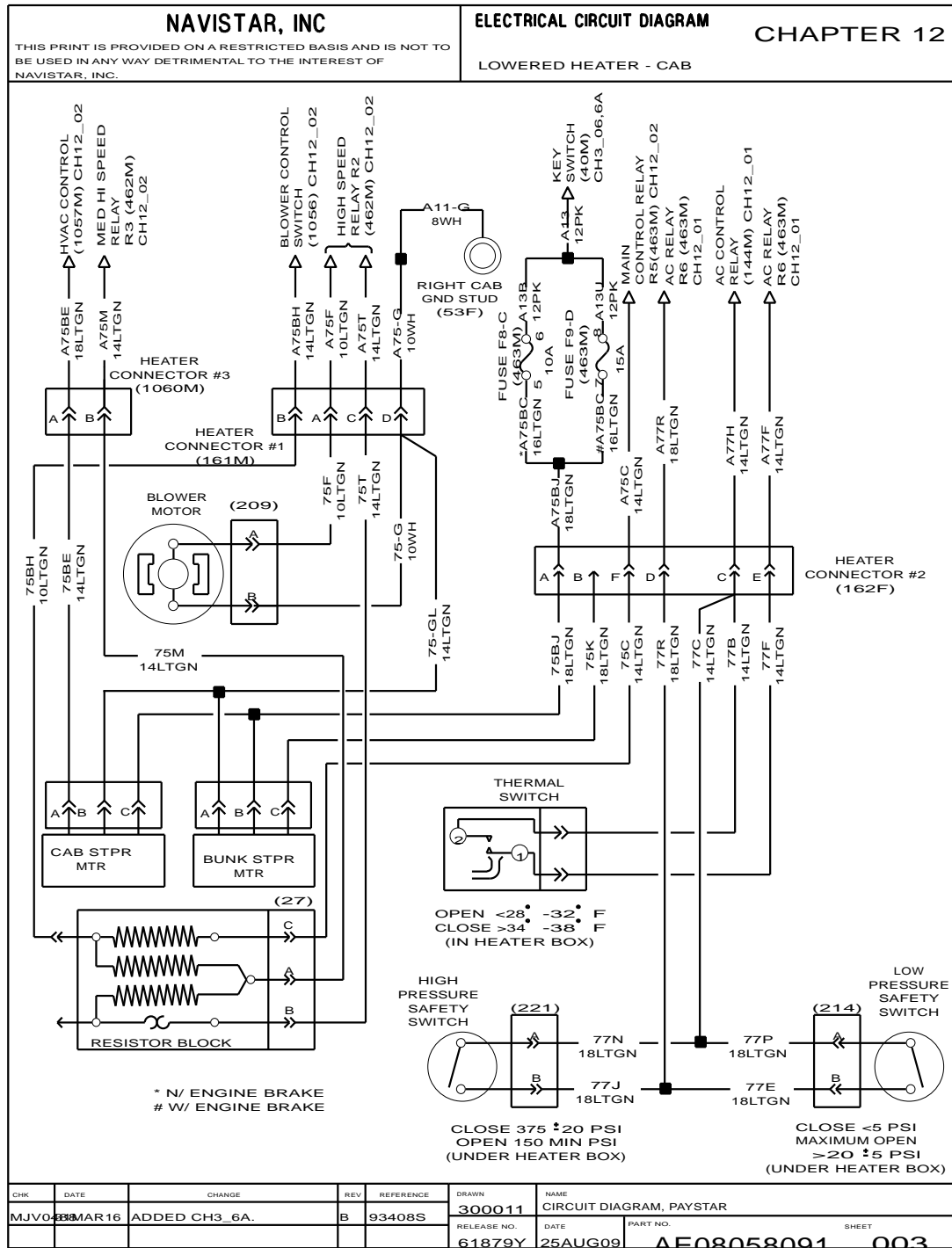


Figure 187 Lowered Heater – CAB

CONNECTOR COMPOSITES (CHAPTER 13)

13.1. CONNECTOR COMPOSITES (1), P. 1

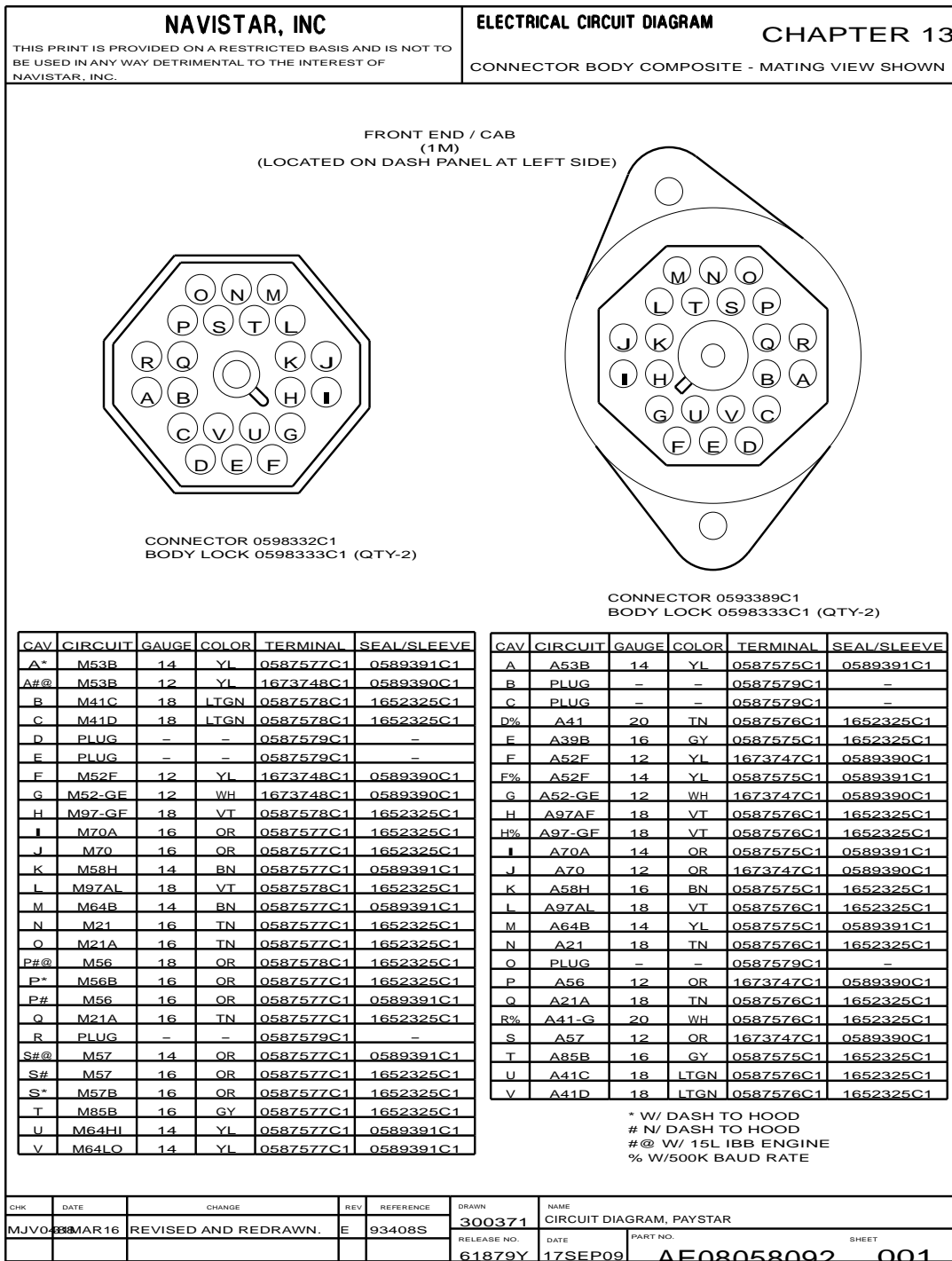


Figure 188 Connector Composites (1)

13.2. CONNECTOR COMPOSITES (2 / 2M), P. 2

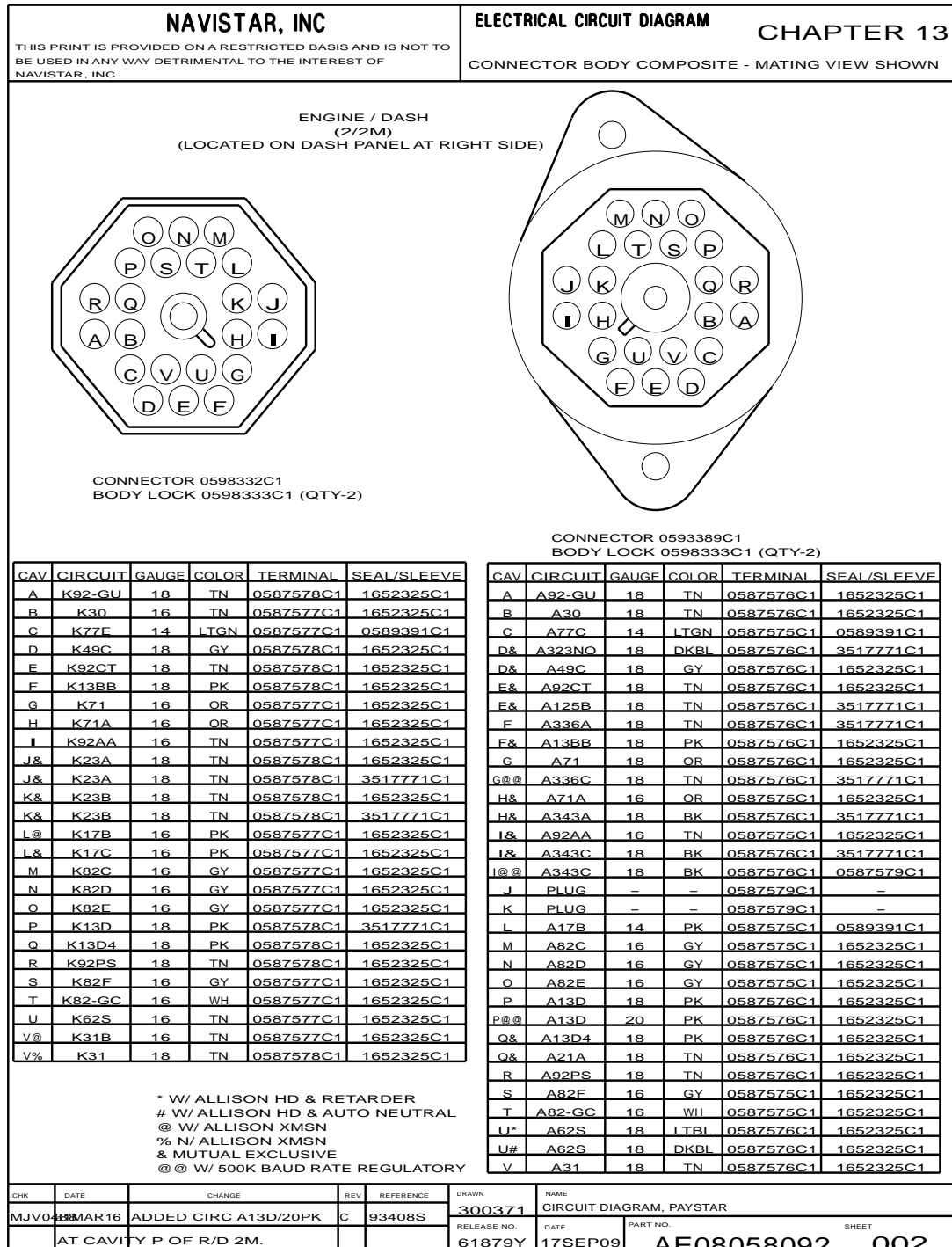


Figure 189 Connector Composites (2 / 2M)

13.3. CONNECTOR COMPOSITES (2), P. 2A

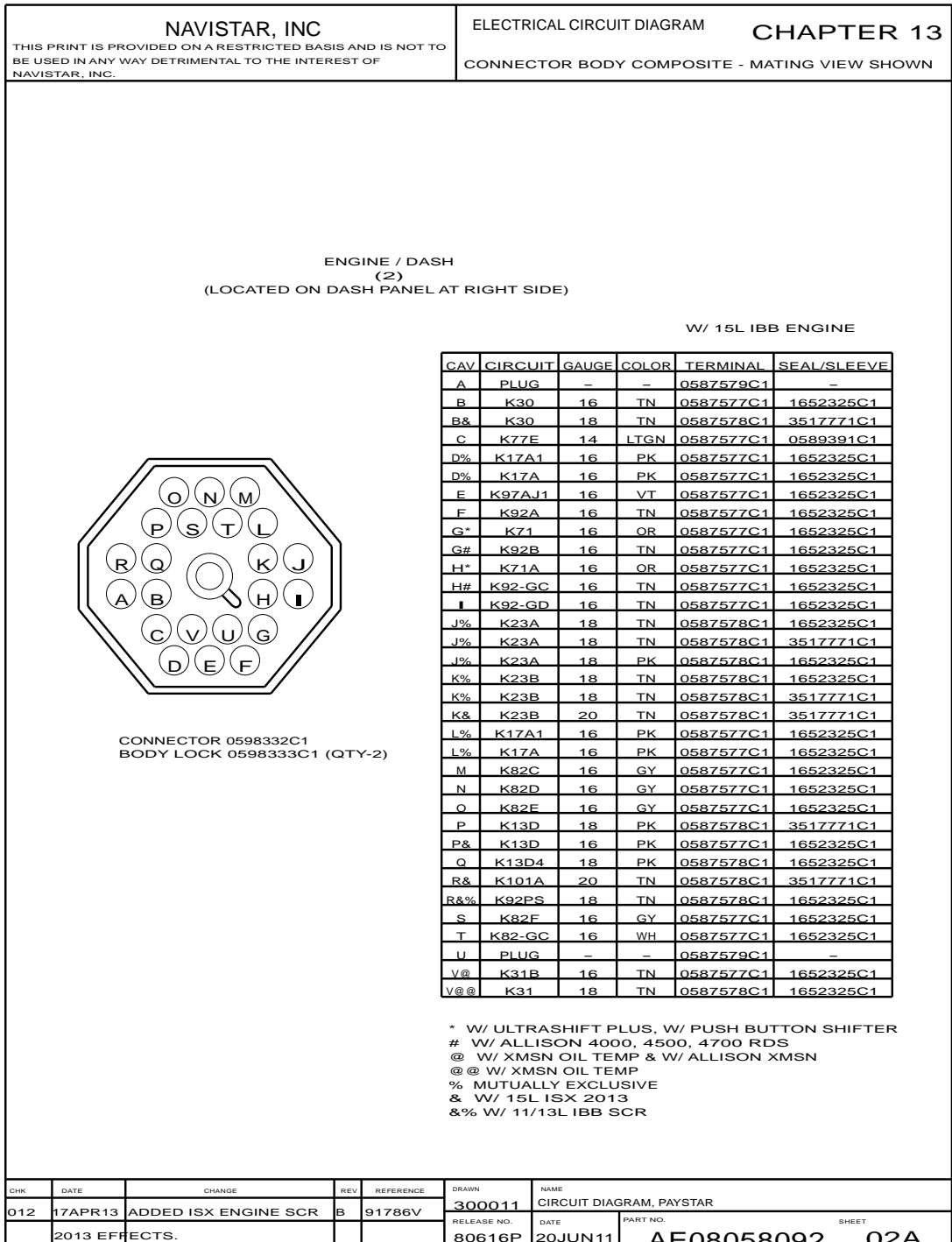


Figure 190 Connector Composites (2)

13.4. CONNECTOR BODY COMPOSITE (2), P. 2B

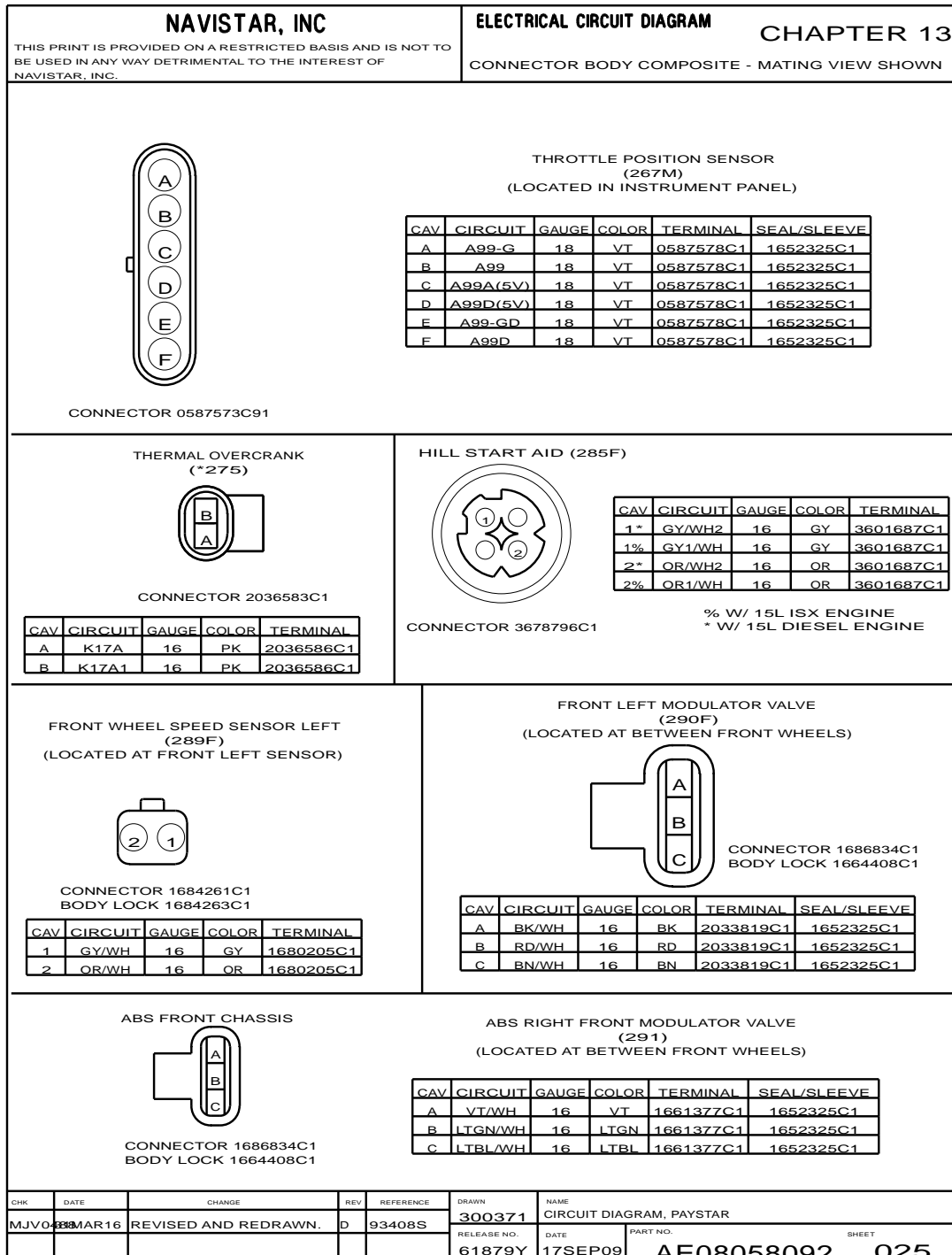


Figure 191 Connector Composites (2)

13.5. CONNECTOR COMPOSITES (3F / 3M), P. 3

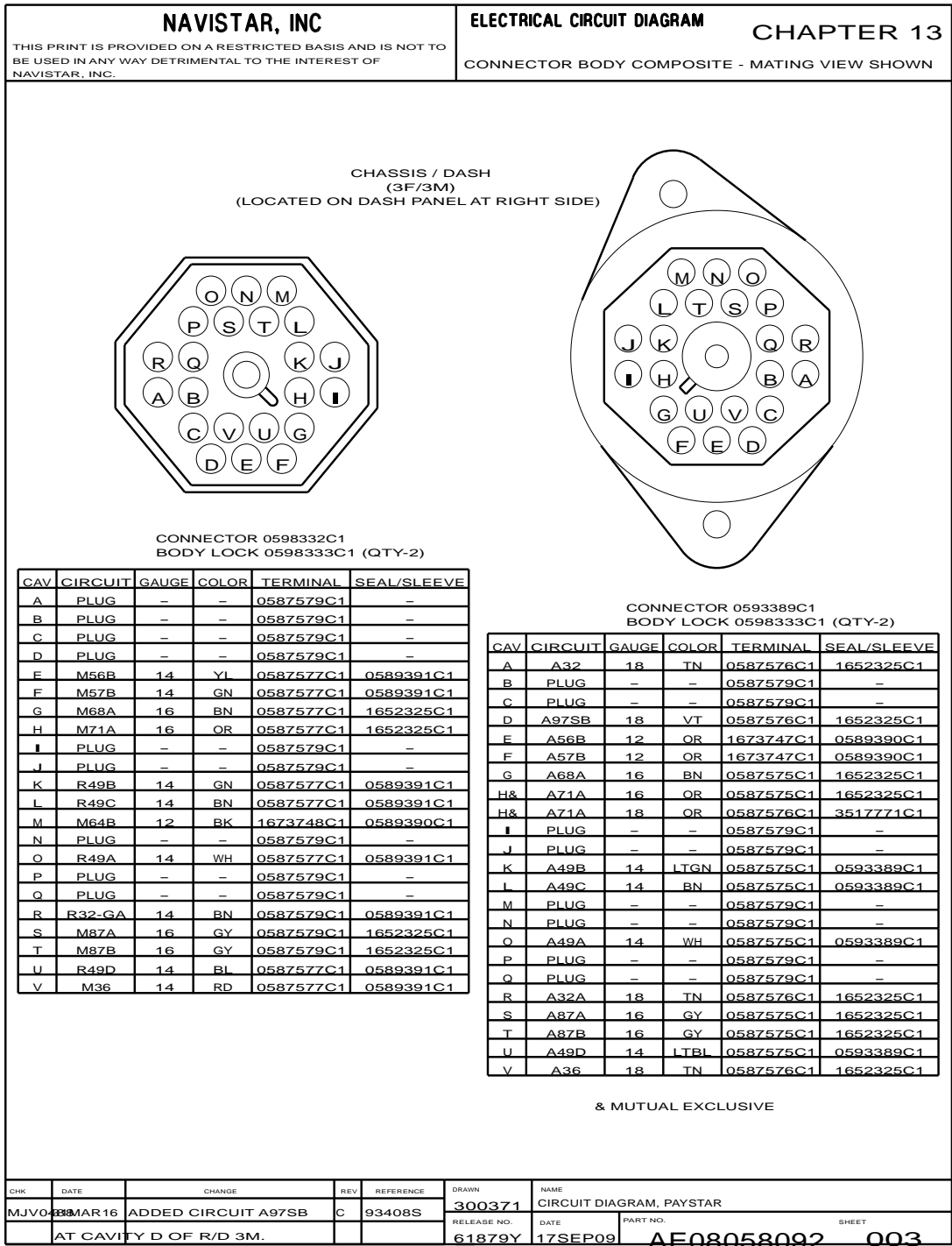


Figure 192 Connector Composites (3F / 3M)

13.6. CONNECTOR COMPOSITES (4M / 5 / 9 / 15M), P. 4

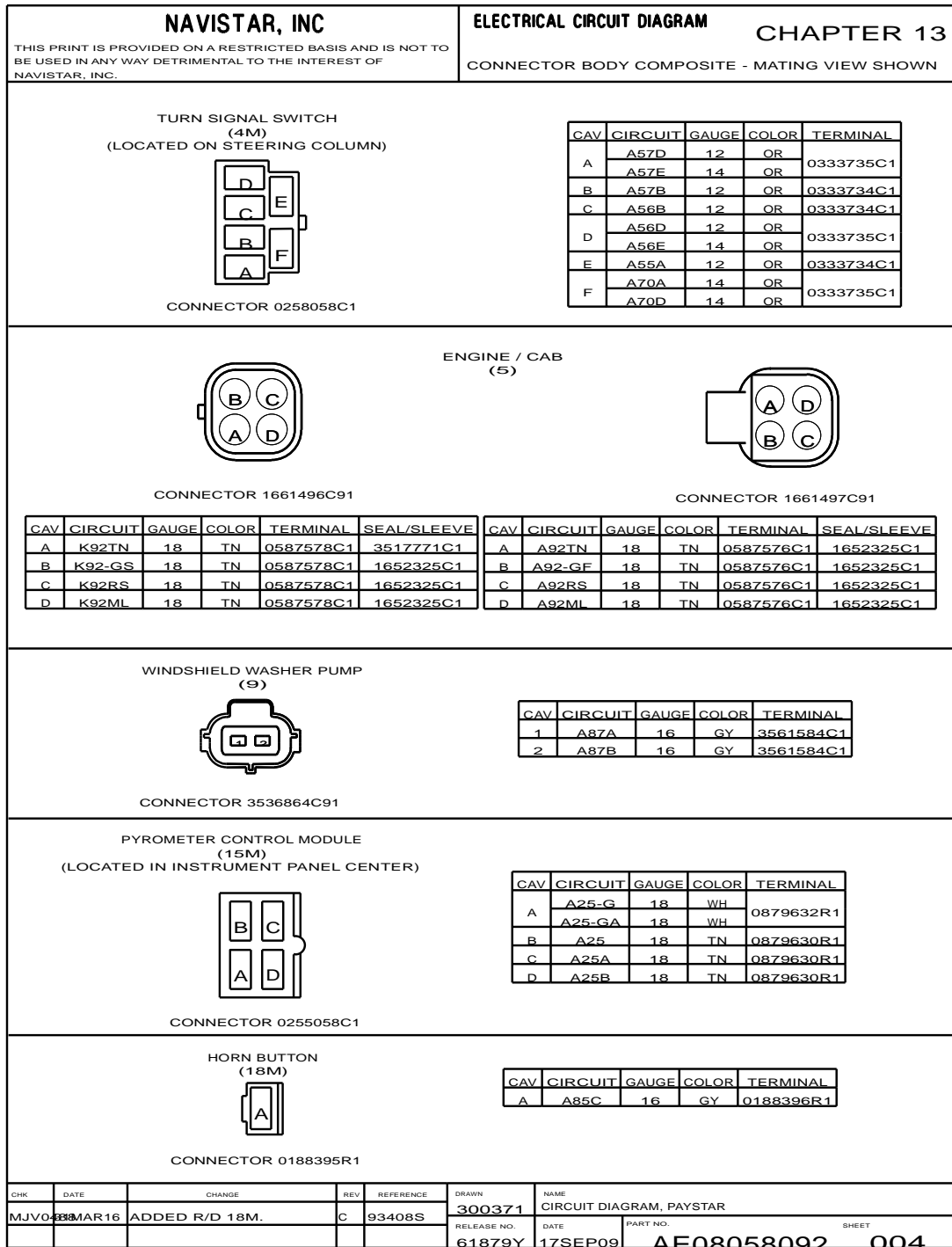


Figure 193 Connector Composites (4M / 5 / 9 / 15M)

13.7. CONNECTOR COMPOSITES (20 / 40M / 41M / 43M / 65 / 65F), P. 5

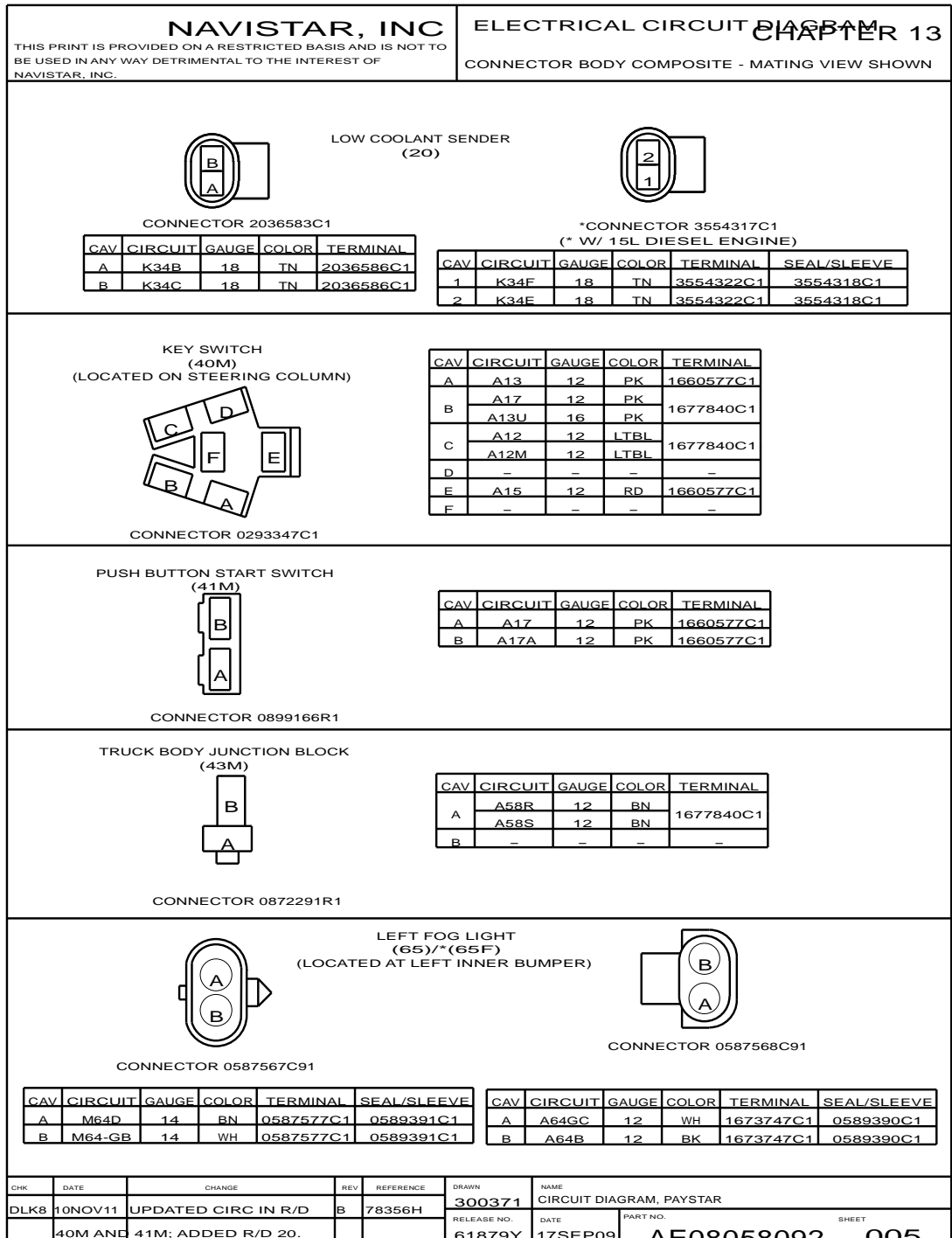


Figure 194 Connector Composites (20 / 40M / 41M / 43M / 65 / 65F)

13.8. CONNECTOR COMPOSITES (66F / 71 / 72 / 76M), P. 6

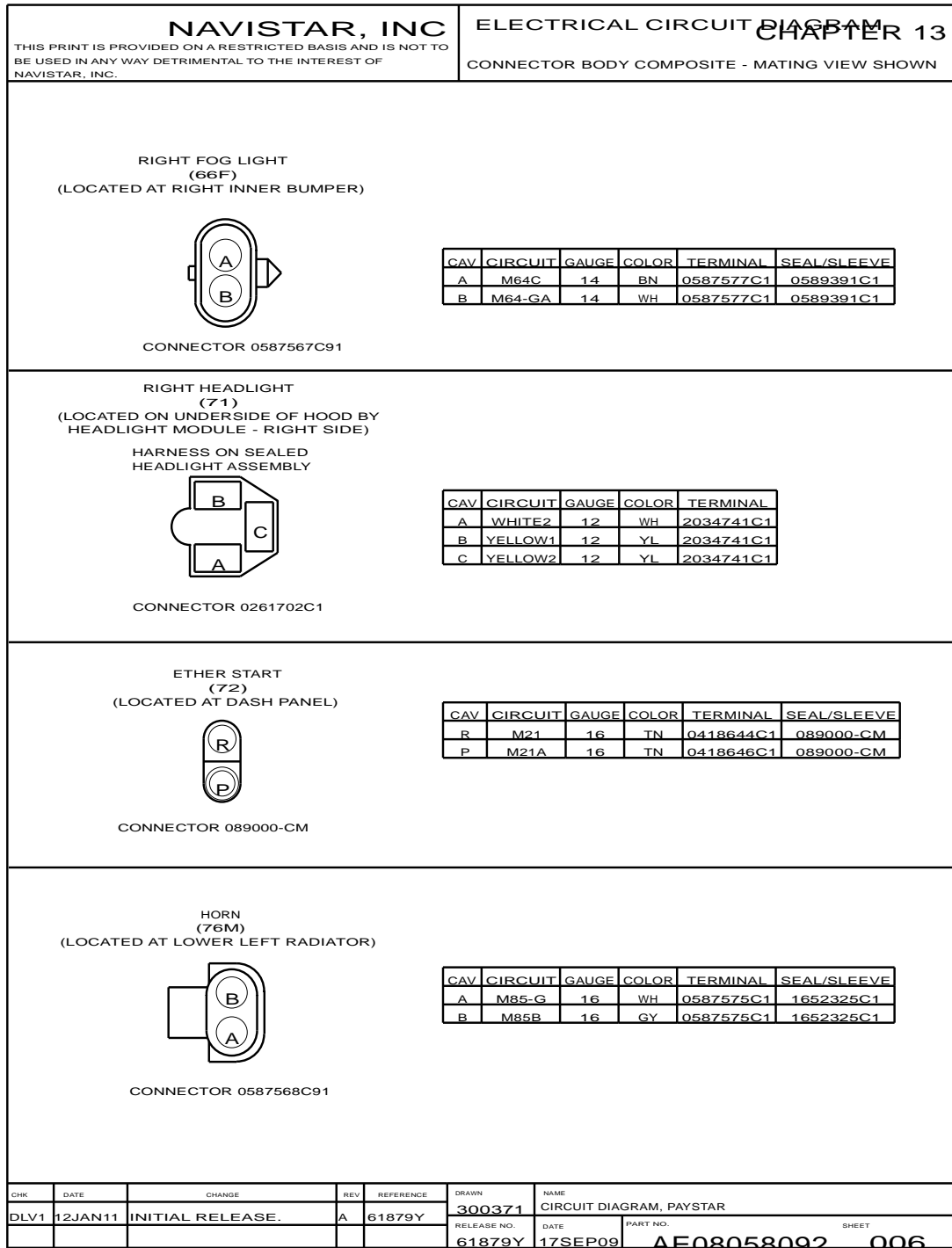


Figure 195 Connector Composites (66F / 71 / 72 / 76M)

13.9. CONNECTOR COMPOSITES (77 / 82 / 83F / 90M / 100 / 100A), P. 7

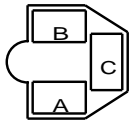
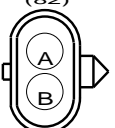
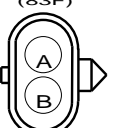

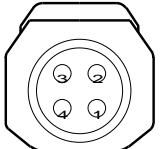

NAVISTAR, INC		ELECTRICAL CIRCUIT DIAGRAM		CHAPTER 13																										
THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF NAVISTAR, INC.		CONNECTOR BODY COMPOSITE - MATING VIEW SHOWN																												
HARNESS ON SEALED HEADLIGHT ASSEMBLY  CONNECTOR 0261702C1		LEFT HEADLIGHT (W/ 9200, 9400 ONLY) (77) (LOCATED ON UNDERSIDE OF HOOD BY HEADLIGHT MODULE-LEFTSIDE)																												
		<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>WHITE2</td> <td>12</td> <td>WH</td> <td>2034741C1</td> </tr> <tr> <td>B</td> <td>YELLOW2</td> <td>12</td> <td>YL</td> <td>2034741C1</td> </tr> <tr> <td>C</td> <td>YELLOW2</td> <td>12</td> <td>YL</td> <td>2034741C1</td> </tr> </tbody> </table>				CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	A	WHITE2	12	WH	2034741C1	B	YELLOW2	12	YL	2034741C1	C	YELLOW2	12	YL	2034741C1					
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL																										
A	WHITE2	12	WH	2034741C1																										
B	YELLOW2	12	YL	2034741C1																										
C	YELLOW2	12	YL	2034741C1																										
RIGHT TURN, MARKER & PARK LIGHT (82)  CONNECTOR 0587567C91		<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>M58U</td> <td>16</td> <td>BN</td> <td>0587577C1</td> <td>1652325C1</td> </tr> <tr> <td>B#</td> <td>M57</td> <td>16</td> <td>OR</td> <td>0587577C1</td> <td>1652325C1</td> </tr> <tr> <td>B*</td> <td>M57C</td> <td>16</td> <td>OR</td> <td>0587577C1</td> <td>1652325C1</td> </tr> </tbody> </table> <p style="font-size: x-small; text-align: center;">* W/ AUXILIARY LIGHTS # N/ AUXILIARY LIGHTS</p>				CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE	A	M58U	16	BN	0587577C1	1652325C1	B#	M57	16	OR	0587577C1	1652325C1	B*	M57C	16	OR	0587577C1	1652325C1	
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE																									
A	M58U	16	BN	0587577C1	1652325C1																									
B#	M57	16	OR	0587577C1	1652325C1																									
B*	M57C	16	OR	0587577C1	1652325C1																									
LEFT TURN, MARKER & PARK LIGHT (83F)  CONNECTOR 0587567C91		<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>M58T</td> <td>16</td> <td>BN</td> <td>0587577C1</td> <td>1652325C1</td> </tr> <tr> <td>B#</td> <td>M56</td> <td>16</td> <td>OR</td> <td>0587577C1</td> <td>1652325C1</td> </tr> <tr> <td>B*</td> <td>M56C</td> <td>16</td> <td>OR</td> <td>0587577C1</td> <td>1652325C1</td> </tr> </tbody> </table> <p style="font-size: x-small; text-align: center;">* W/ AUXILIARY LIGHTS # N/ AUXILIARY LIGHTS</p>				CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE	A	M58T	16	BN	0587577C1	1652325C1	B#	M56	16	OR	0587577C1	1652325C1	B*	M56C	16	OR	0587577C1	1652325C1	
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE																									
A	M58T	16	BN	0587577C1	1652325C1																									
B#	M56	16	OR	0587577C1	1652325C1																									
B*	M56C	16	OR	0587577C1	1652325C1																									
CIGAR LIGHTER LIGHT (90M)  CONNECTOR 0188395R1		W/ 500K BAUD RATE REGULATORY																												
		<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>62AA</td> <td>16</td> <td>DKBL</td> <td>0188396R1</td> </tr> </tbody> </table>				CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	A	62AA	16	DKBL	0188396R1															
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL																										
A	62AA	16	DKBL	0188396R1																										
BACKBONE J1939 (ENGINE CONNECTION) (100A)  CONNECTOR 3537127C1		W/ BENDIX ABS																												
		<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>1</td> <td>YL2(+)</td> <td>18</td> <td>YL</td> <td>3537131C1</td> </tr> <tr> <td>2</td> <td>PLUG</td> <td>-</td> <td>-</td> <td>3537132C1</td> </tr> <tr> <td>3</td> <td>GN2(-)</td> <td>14</td> <td>LTGN</td> <td>1661231C1</td> </tr> <tr> <td>4</td> <td>PLUG</td> <td>-</td> <td>-</td> <td>3537131C1</td> </tr> </tbody> </table>				CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	1	YL2(+)	18	YL	3537131C1	2	PLUG	-	-	3537132C1	3	GN2(-)	14	LTGN	1661231C1	4	PLUG	-	-	3537131C1
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL																										
1	YL2(+)	18	YL	3537131C1																										
2	PLUG	-	-	3537132C1																										
3	GN2(-)	14	LTGN	1661231C1																										
4	PLUG	-	-	3537131C1																										
J1939 BACK BONE (100)  CONNECTOR 1667741C1 BODY LOCK 1667771C1		<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>YL(+)</td> <td>18</td> <td>YL</td> <td>1661875C1</td> <td>3568570C1</td> </tr> <tr> <td>B</td> <td>PLUG</td> <td>-</td> <td>-</td> <td>2025431C1</td> <td>-</td> </tr> <tr> <td>C</td> <td>GN(-)</td> <td>18</td> <td>GN</td> <td>1661875C1</td> <td>3568570C1</td> </tr> </tbody> </table>				CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE	A	YL(+)	18	YL	1661875C1	3568570C1	B	PLUG	-	-	2025431C1	-	C	GN(-)	18	GN	1661875C1	3568570C1	
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE																									
A	YL(+)	18	YL	1661875C1	3568570C1																									
B	PLUG	-	-	2025431C1	-																									
C	GN(-)	18	GN	1661875C1	3568570C1																									
CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME																								
0488	09SEP15	ADDED R/D 100 AND	C	93248U	300371	CIRCUIT DIAGRAM, PAYSTAR																								
REMOVED	R/D 100R.				RELEASE NO.	DATE																								
					61879Y	17SEP09																								
					PART NO.	SHEET																								
					AE08058092	007																								

Figure 196 Connector Composites (77 / 82 / 83F / 90M / 100 / 100A)

13.10. CONNECTOR COMPOSITES (100), P. 8

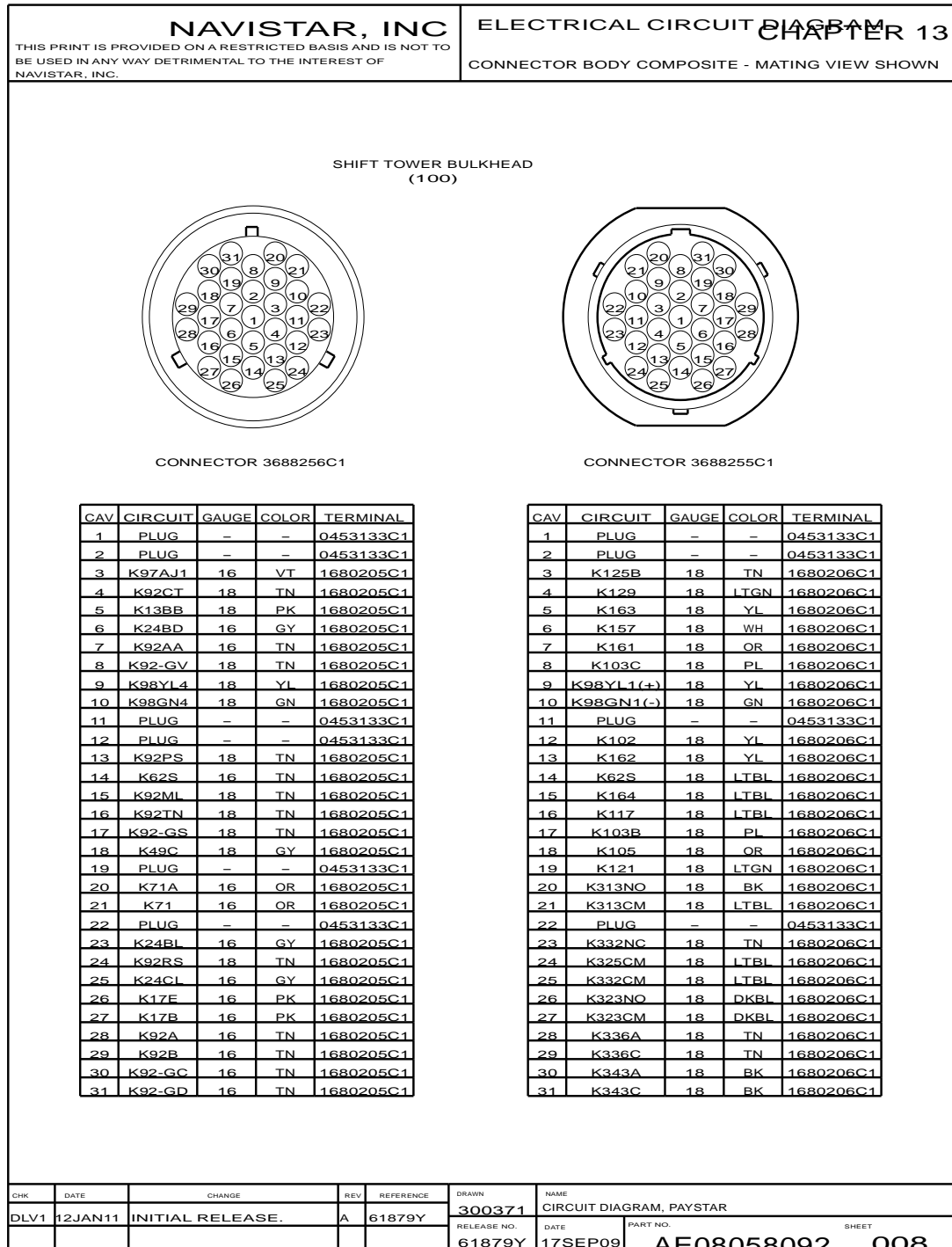


Figure 197 Connector Composites (100)

13.11. CONNECTOR COMPOSITES (100F / 101F / 102F / 100M3), P. 8A

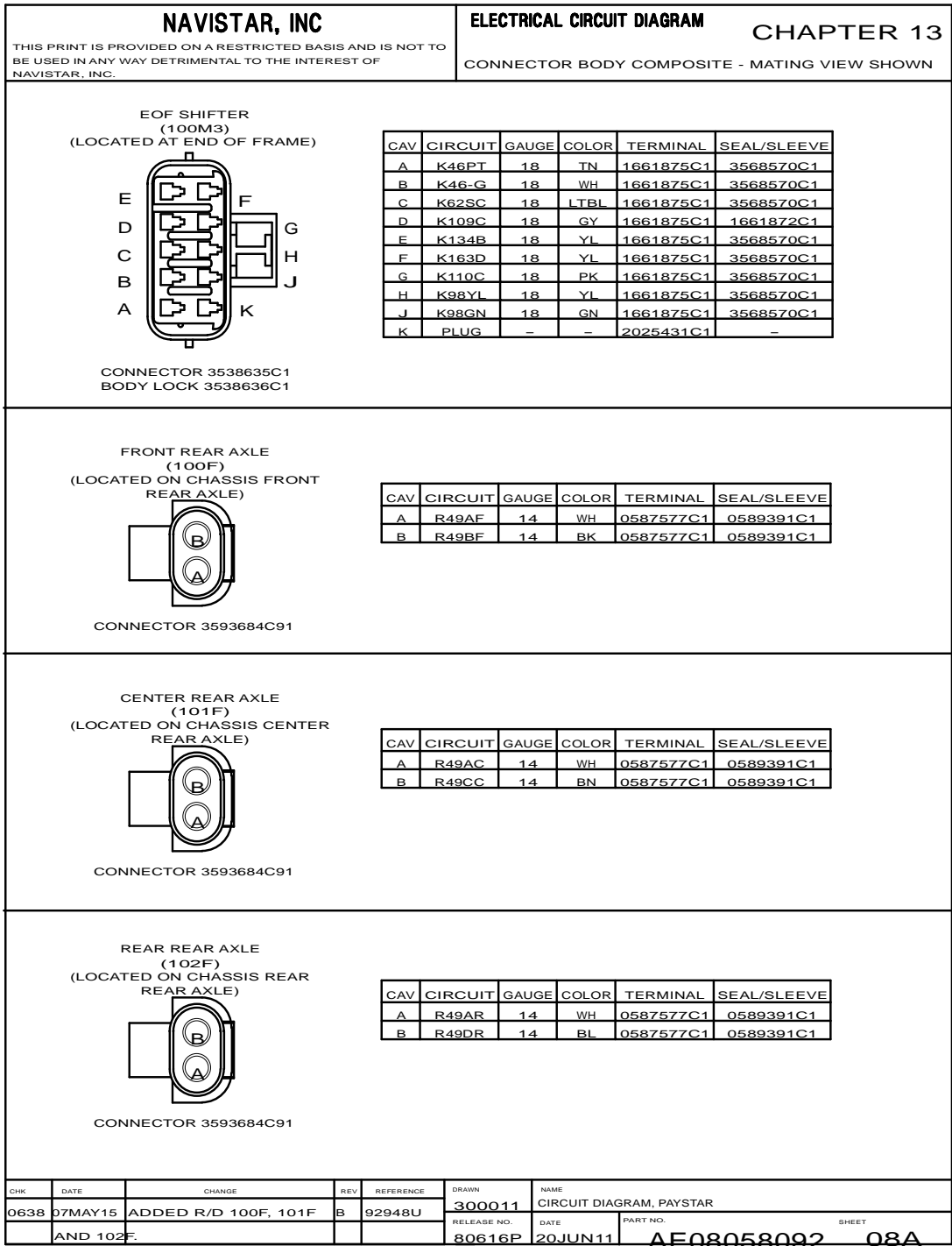


Figure 198 Connector Composites (100F / 101F / 102F / 100M3)

13.12. CONNECTOR COMPOSITES (105), P. 9

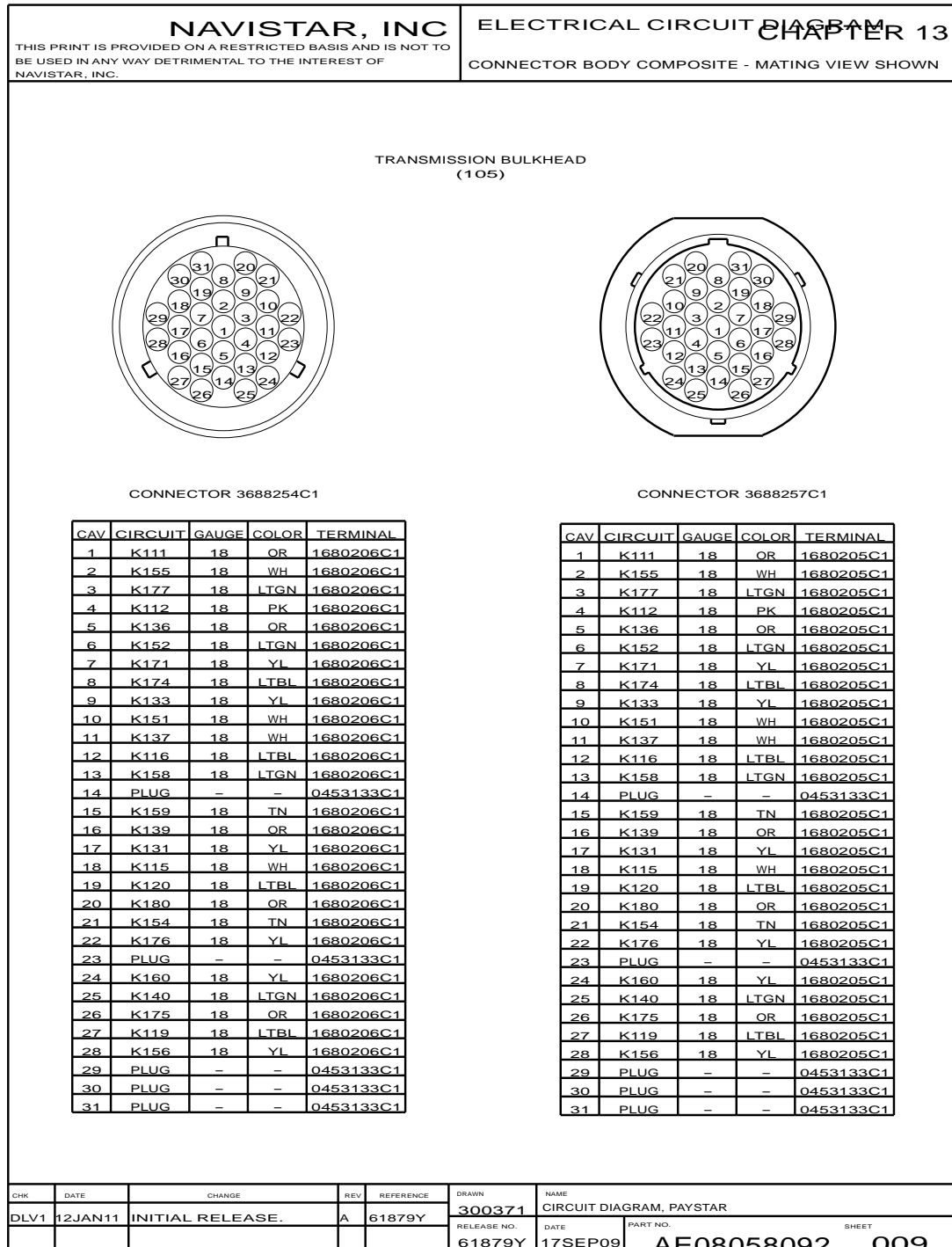


Figure 199 Connector Composites (105)

13.13. CONNECTOR COMPOSITES (105F), P. 10

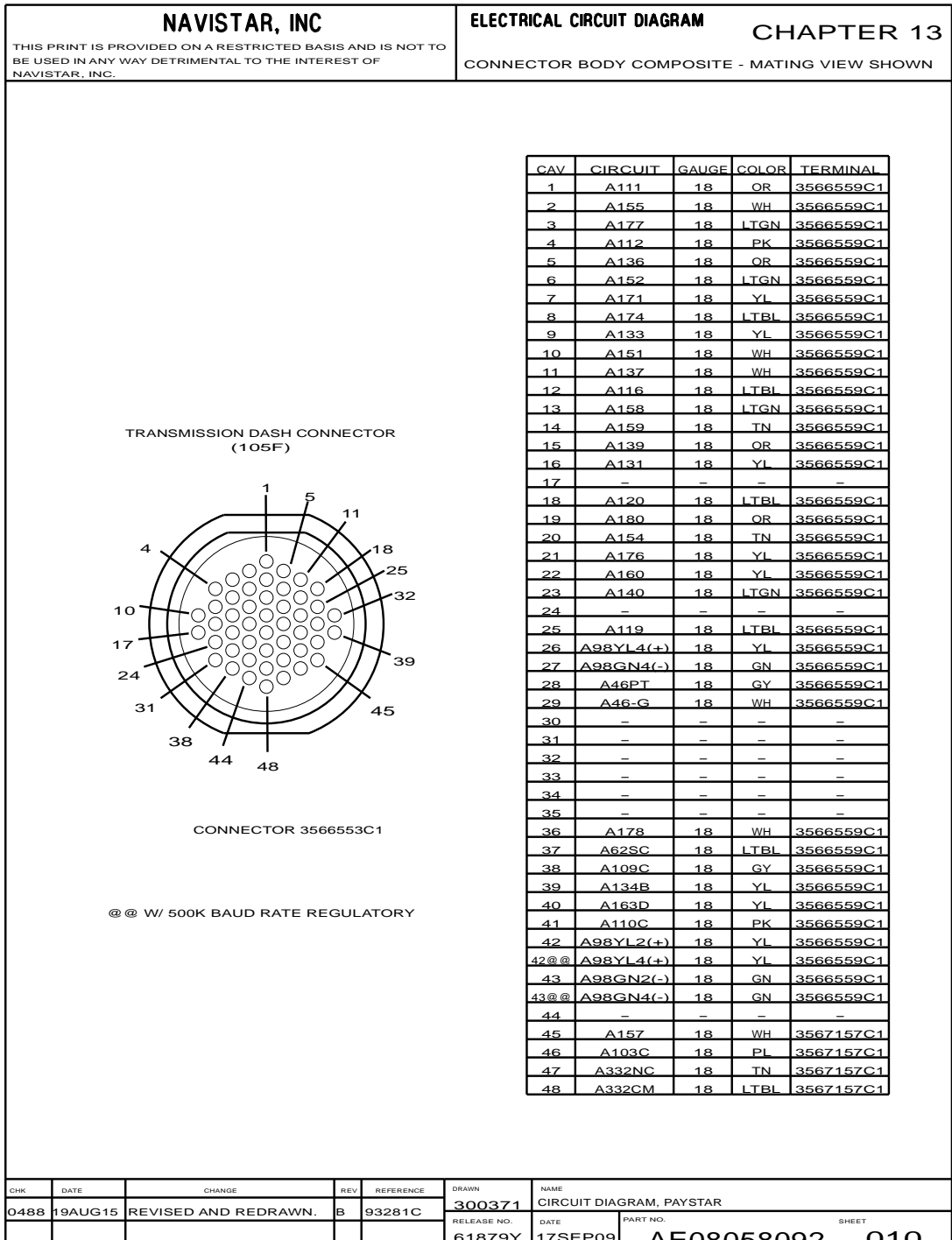


Figure 200 Connector Composites (105F)

13.14. CONNECTOR COMPOSITES (105M), P. 10A

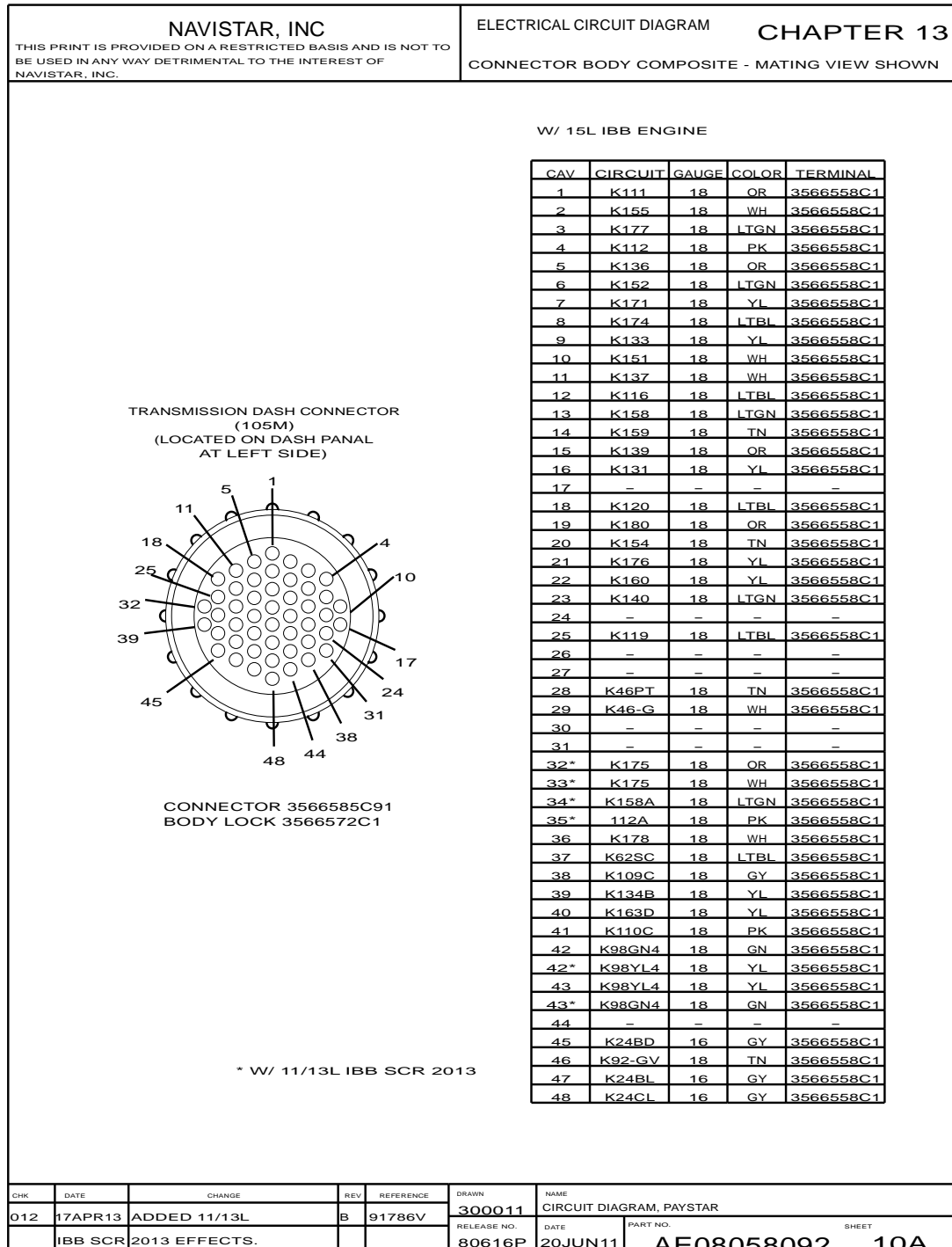


Figure 201 Connector Composites (105M)

13.15. CONNECTOR COMPOSITES (106F / 107M / 108F), P. 11

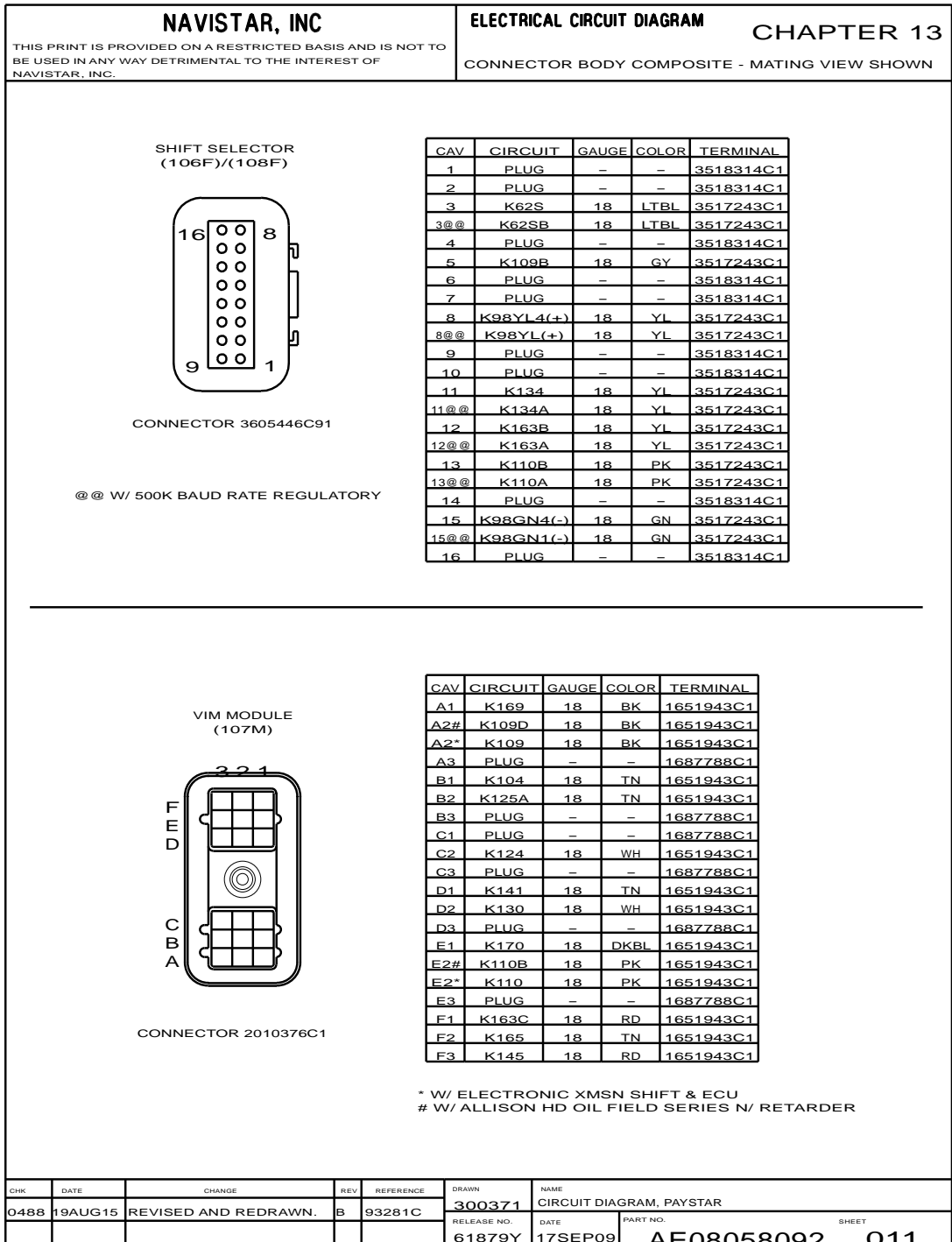


Figure 202 Connector Composites (106F / 107M / 108F)

13.16. CONNECTOR COMPOSITES (108M), P. 12

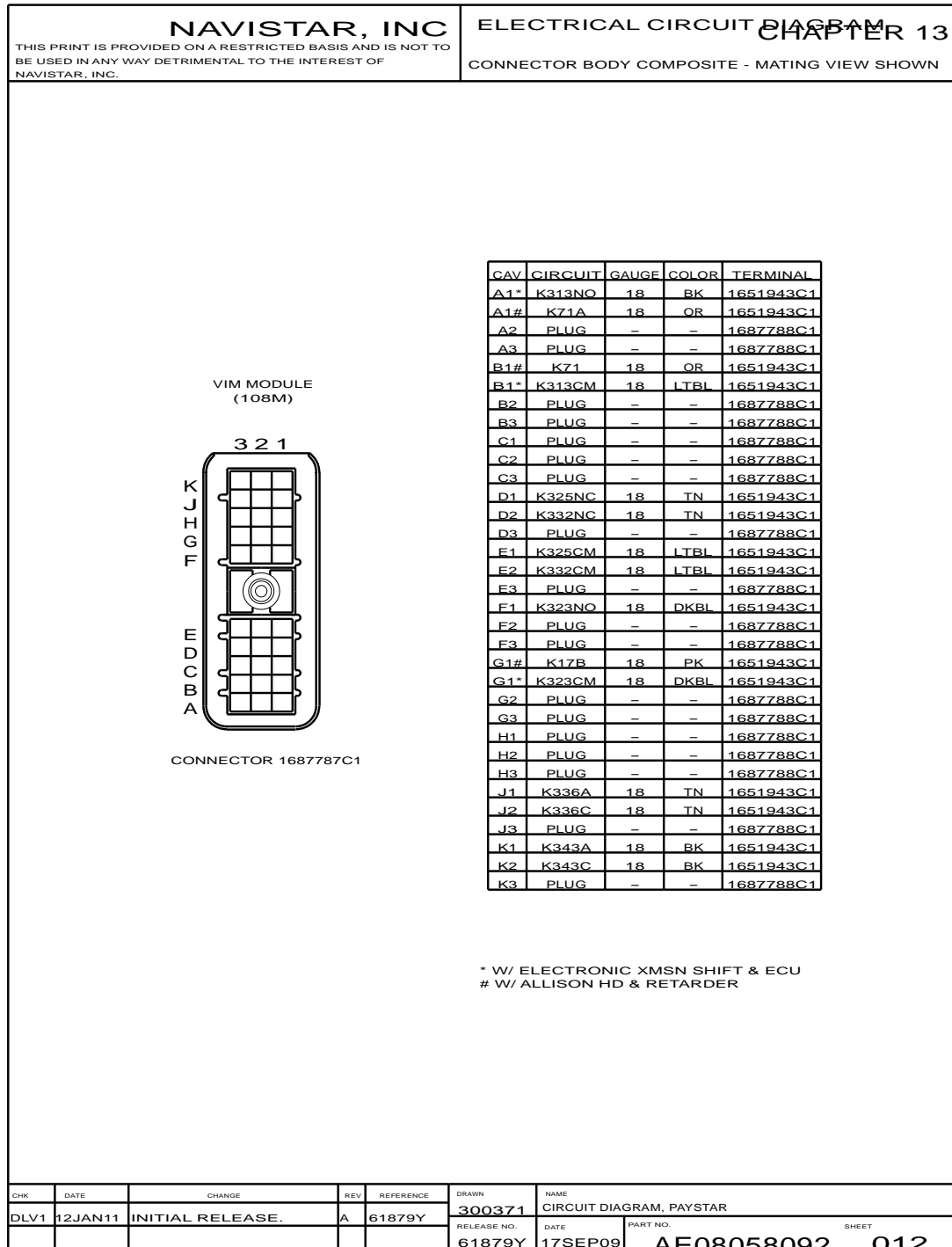


Figure 203 Connector Composites (108M)

13.17. CONNECTOR COMPOSITES (112 / 113 / 115), P. 13

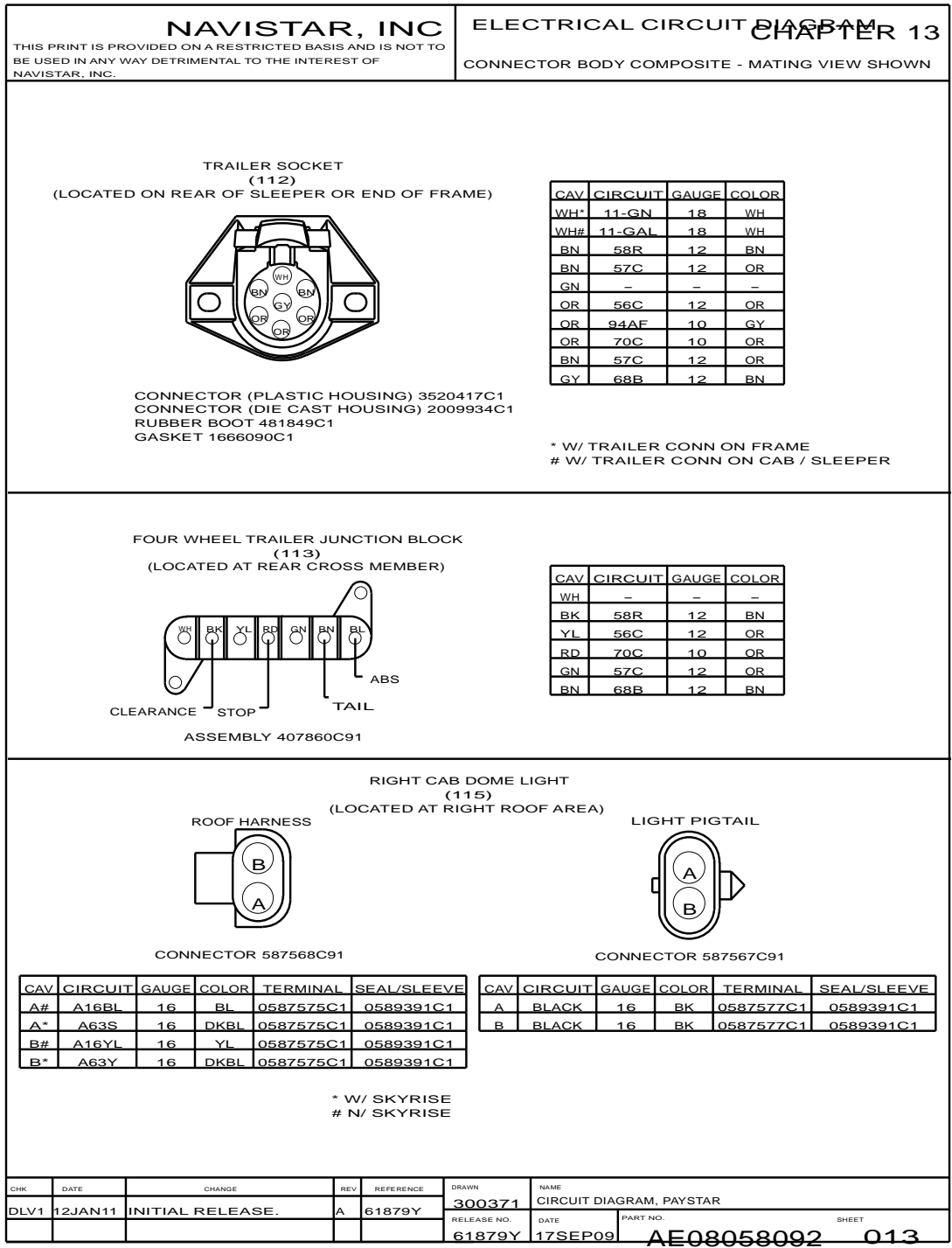


Figure 204 Connector Composites (112 / 113 / 115)

13.18. CONNECTOR COMPOSITES (127A / 128 / 137M / 141F), P. 14

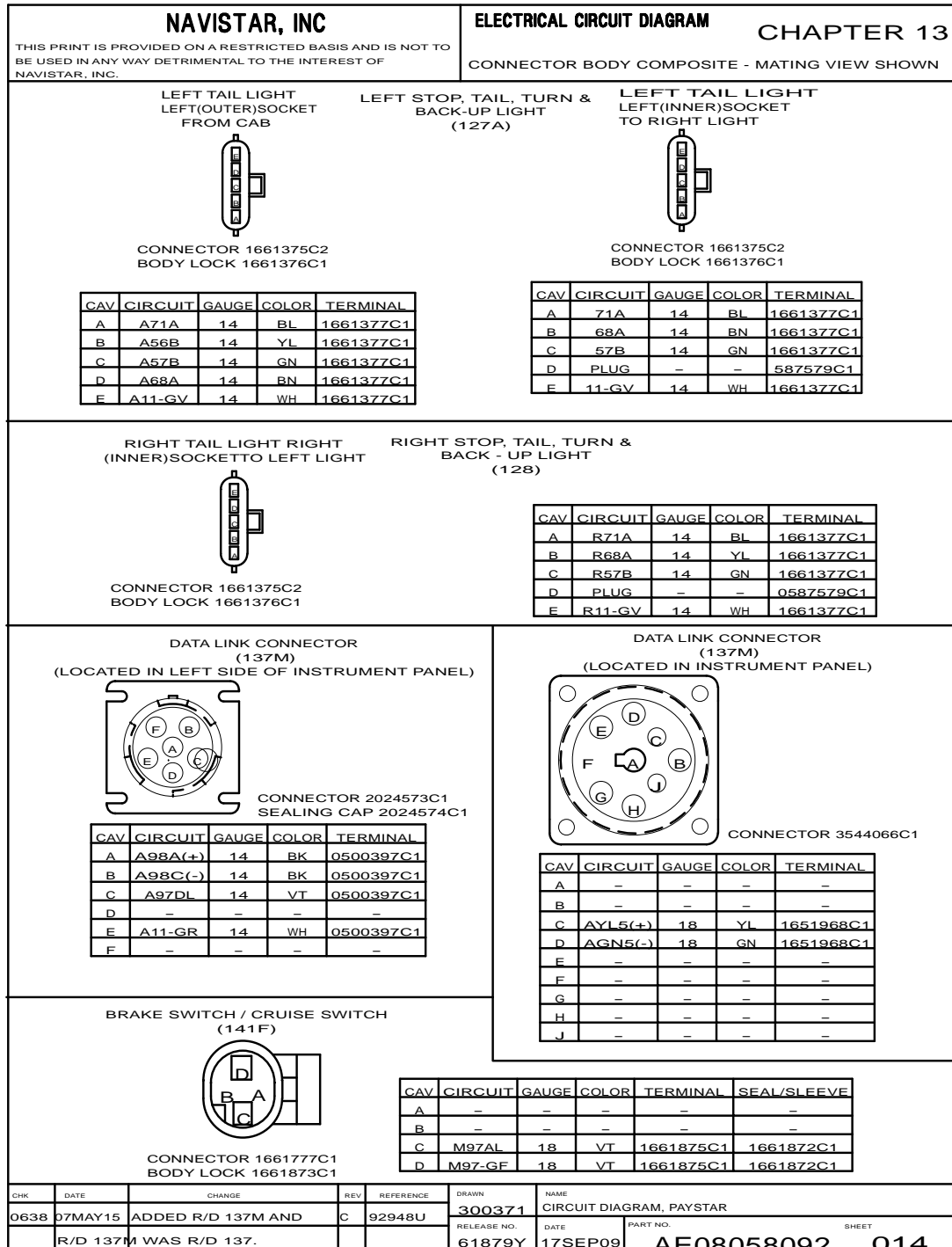


Figure 205 Connector Composites (127A / 128 / 137M / 141F)

13.19. CONNECTOR COMPOSITES (141F / 142M / 143M / 144M), P. 15

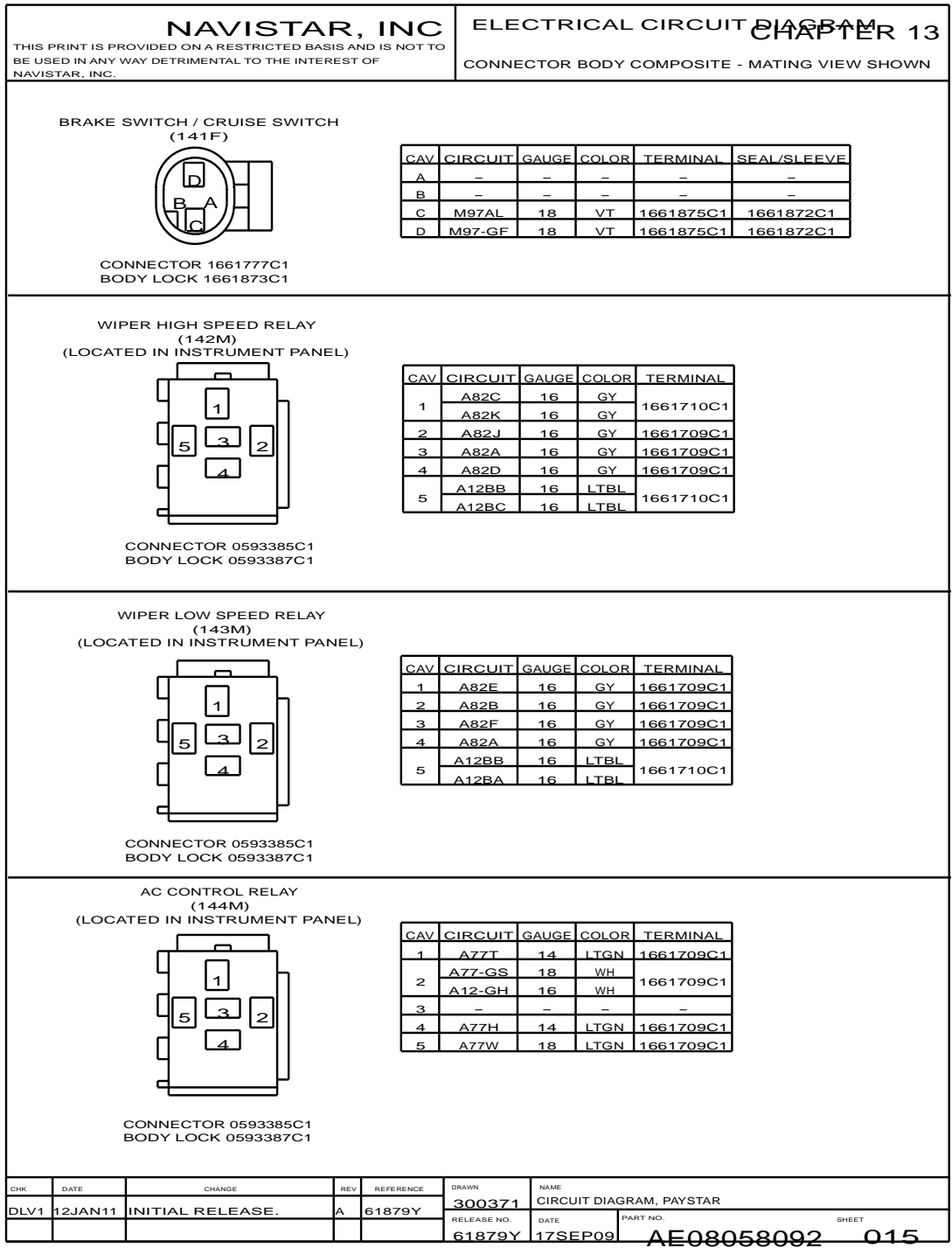


Figure 206 Connector Composites (141F / 142M / 143M / 144M)

13.20. CONNECTOR COMPOSITES (145M / 146M / 147M), P. 16

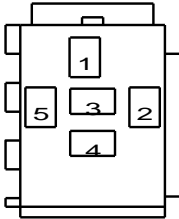
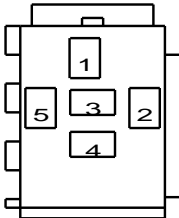
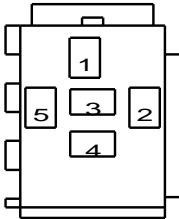
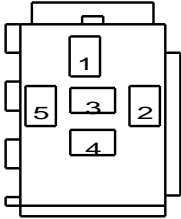
<p>NAVISTAR, INC <small>THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF NAVISTAR, INC.</small></p>				<p>ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13 CONNECTOR BODY COMPOSITE - MATING VIEW SHOWN</p>																																					
<p>ACCESSORY FEED RELAY (145M) (LOCATED IN INSTRUMENT PANEL)</p>  <table border="1" style="margin-left: auto; margin-right: auto; 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>1</td> <td>A14BJ</td> <td>10</td> <td>RD</td> <td>1661710C1</td> </tr> <tr> <td>2</td> <td>A12-GH</td> <td>16</td> <td>WH</td> <td>1661709C1</td> </tr> <tr> <td>3</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> </tr> <tr> <td>4</td> <td>A12AD</td> <td>10</td> <td>LTBL</td> <td>1661710C1</td> </tr> <tr> <td>5</td> <td>A12AC</td> <td>12</td> <td>LTBL</td> <td>1661710C1</td> </tr> </tbody> </table> <p style="text-align: center; margin-top: 10px;">CONNECTOR 0593385C1 BODY LOCK 0593387C1</p>						CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	1	A14BJ	10	RD	1661710C1	2	A12-GH	16	WH	1661709C1	3	-	-	-	-	4	A12AD	10	LTBL	1661710C1	5	A12AC	12	LTBL	1661710C1						
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL																																					
1	A14BJ	10	RD	1661710C1																																					
2	A12-GH	16	WH	1661709C1																																					
3	-	-	-	-																																					
4	A12AD	10	LTBL	1661710C1																																					
5	A12AC	12	LTBL	1661710C1																																					
<p>AIR DRYER RELAY (146M) (LOCATED IN INSTRUMENT PANEL)</p>  <table border="1" style="margin-left: auto; margin-right: auto; 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>1</td> <td>A39A</td> <td>16</td> <td>GY</td> <td>1661709C1</td> </tr> <tr> <td>2</td> <td>A13-GAD</td> <td>18</td> <td>WH</td> <td>1659673C1</td> </tr> <tr> <td>3</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> </tr> <tr> <td>4</td> <td>A39B</td> <td>16</td> <td>GY</td> <td>1661709C1</td> </tr> <tr> <td>5</td> <td>A13AH</td> <td>14</td> <td>PK</td> <td>1661709C1</td> </tr> </tbody> </table> <p style="text-align: center; margin-top: 10px;">CONNECTOR 0593385C1 BODY LOCK 0593387C1</p>						CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	1	A39A	16	GY	1661709C1	2	A13-GAD	18	WH	1659673C1	3	-	-	-	-	4	A39B	16	GY	1661709C1	5	A13AH	14	PK	1661709C1						
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL																																					
1	A39A	16	GY	1661709C1																																					
2	A13-GAD	18	WH	1659673C1																																					
3	-	-	-	-																																					
4	A39B	16	GY	1661709C1																																					
5	A13AH	14	PK	1661709C1																																					
<p>HEADLIGHT DIMMER RELAY (147M) (LOCATED IN INSTRUMENT PANEL)</p>  <table border="1" style="margin-left: auto; margin-right: auto; 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>1</td> <td>A51A</td> <td>14</td> <td>YL</td> <td>1661709C1</td> </tr> <tr> <td>2</td> <td>A52N</td> <td>16</td> <td>YL</td> <td>1661709C1</td> </tr> <tr> <td rowspan="2">3</td> <td>A53B</td> <td>14</td> <td>YL</td> <td rowspan="2">1661710C1</td> </tr> <tr> <td>A64C</td> <td>14</td> <td>YL</td> </tr> <tr> <td rowspan="2">4</td> <td>A52B</td> <td>14</td> <td>YL</td> <td rowspan="2">1661710C1</td> </tr> <tr> <td>A52F</td> <td>12</td> <td>YL</td> </tr> <tr> <td>5</td> <td>A52M</td> <td>16</td> <td>YL</td> <td>1661709C1</td> </tr> </tbody> </table> <p style="text-align: center; margin-top: 10px;">CONNECTOR 0593385C1 BODY LOCK 0593387C1</p>						CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	1	A51A	14	YL	1661709C1	2	A52N	16	YL	1661709C1	3	A53B	14	YL	1661710C1	A64C	14	YL	4	A52B	14	YL	1661710C1	A52F	12	YL	5	A52M	16	YL	1661709C1
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL																																					
1	A51A	14	YL	1661709C1																																					
2	A52N	16	YL	1661709C1																																					
3	A53B	14	YL	1661710C1																																					
	A64C	14	YL																																						
4	A52B	14	YL	1661710C1																																					
	A52F	12	YL																																						
5	A52M	16	YL	1661709C1																																					
CHK	DATE	CHANGE	REV	REFERENCE	DRAWN																																				
DLV1	12JAN11	INITIAL RELEASE.	A	61879Y	300371																																				
					NAME																																				
					CIRCUIT DIAGRAM, PAYSTAR																																				
					RELEASE NO.																																				
					61879Y																																				
					DATE																																				
					17SEP09																																				
					PART NO.																																				
					AE08058092																																				
					SHEET																																				
					016																																				

Figure 207 Connector Composites (145M / 146M / 147M)

13.21. CONNECTOR COMPOSITES (148M / 149M / 152M), P. 17

NAVISTAR, INC				ELECTRICAL CIRCUIT DIAGRAM		CHAPTER 13	
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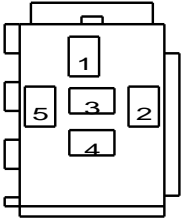
**ECM PARK BRAKE RELAY
(148M)
(LOCATED IN INSTRUMENT PANEL)**



GAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	A44EB	18	PK	1661709C1
	A44EA	18	PK	1659673C1
2	A44EA	18	PK	1659673C1
3	-	-	-	-
4	A44EC	18	GY	1659673C1
5	A44-GE	18	WH	1659673C1

CONNECTOR 0593385C1
BODY LOCK 0593387C1

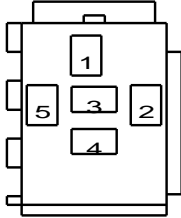
**CLUTCH/CRUISE CONT. RELAY
(149M)**



GAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	A97CN	18	VT	1659673C1
2	A97-GA	18	VT	1659673C1
3	A97AH	18	VT	1659673C1
4	-	-	-	-
5	A97AJ	18	VT	1659673C1

CONNECTOR 0593385C1
BODY LOCK 0593387C1

**ABS TRAILER RELAY
(152M)
(LOCATED IN INSTRUMENT PANEL)**



GAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	A94AH	10	GY	1661710C1
2	A13CP	14	PK	1661709C1
3	-	-	-	-
4	A94AF	10	GY	1661710C1
5	A13-GCP	14	WH	1661709C1

CONNECTOR 0593385C1
BODY LOCK 0593387C1

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
MJV0	16MAR16	UPDATED CIRCUIT	C	93408S	300371	CIRCUIT DIAGRAM, PAYSTAR
		PREFIX OF R/D 149M.			RELEASE NO. 61879Y	DATE 17SEP09
						PART NO. AE08058092
						SHEET 017

Figure 208 Connector Composites (148M / 149M / 152M)

13.22. CONNECTOR COMPOSITES (152M / 153A / 153M / 161M / 162F), P. 18

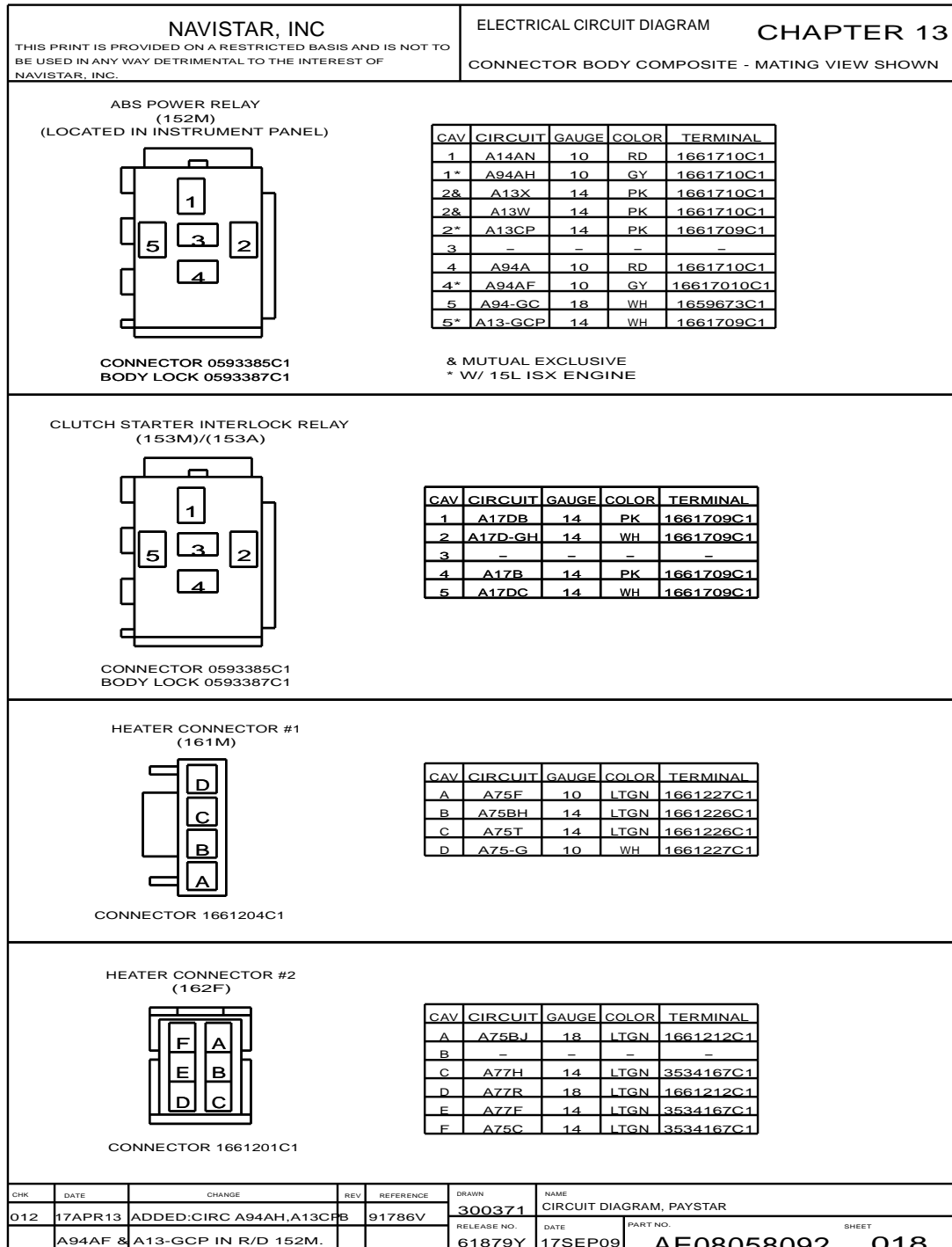


Figure 209 Connector Composites (152M / 153A / 153M / 161M / 162F)

13.23. CONNECTOR COMPOSITES (165 / 167M / 170M / 171M), P. 19

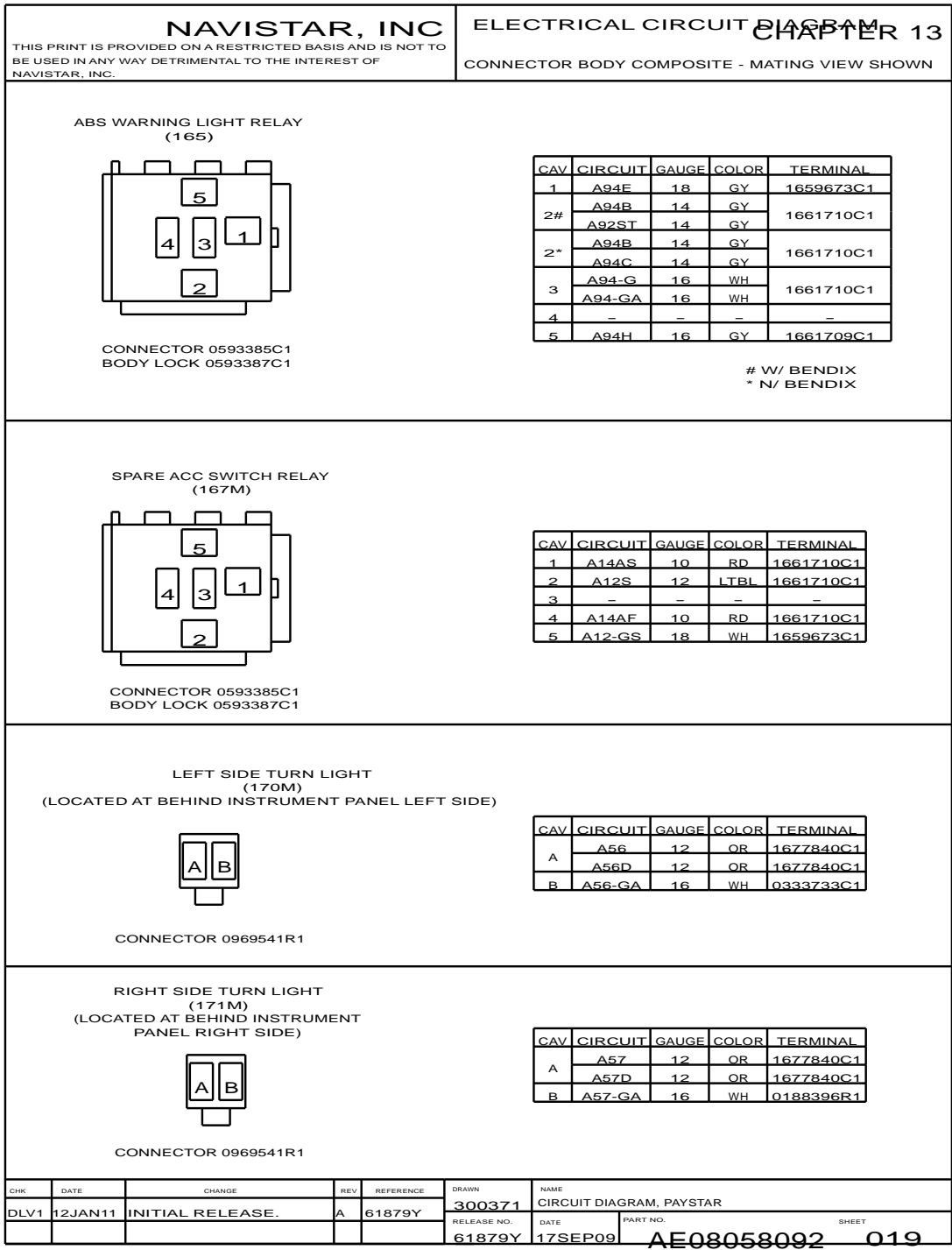


Figure 210 Connector Composites (165 / 167M / 170M / 171M)

13.24. CONNECTOR COMPOSITES (190), P. 20

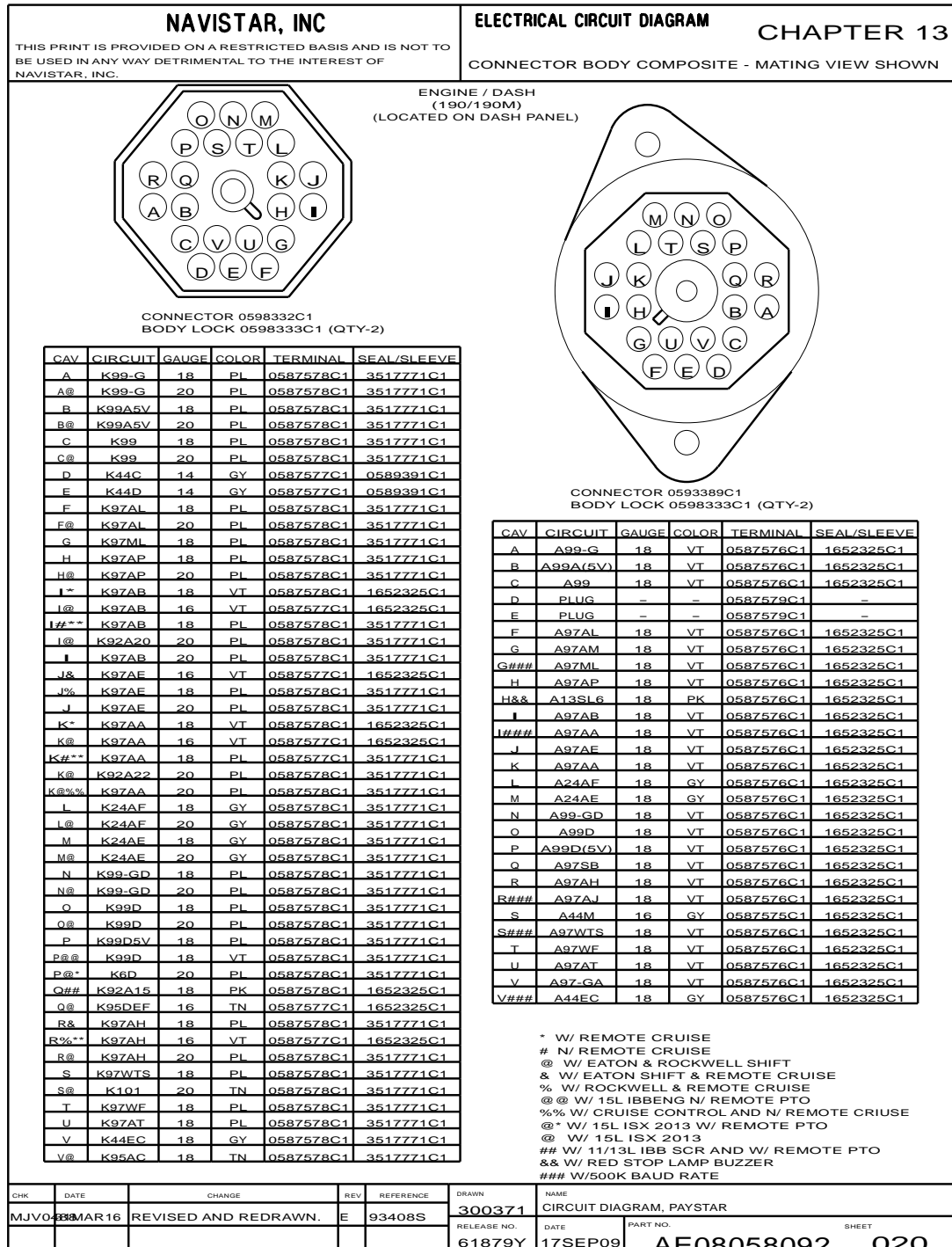


Figure 211 Connector Composites (190)

13.25. CONNECTOR COMPOSITES (200M / 201M), P. 21

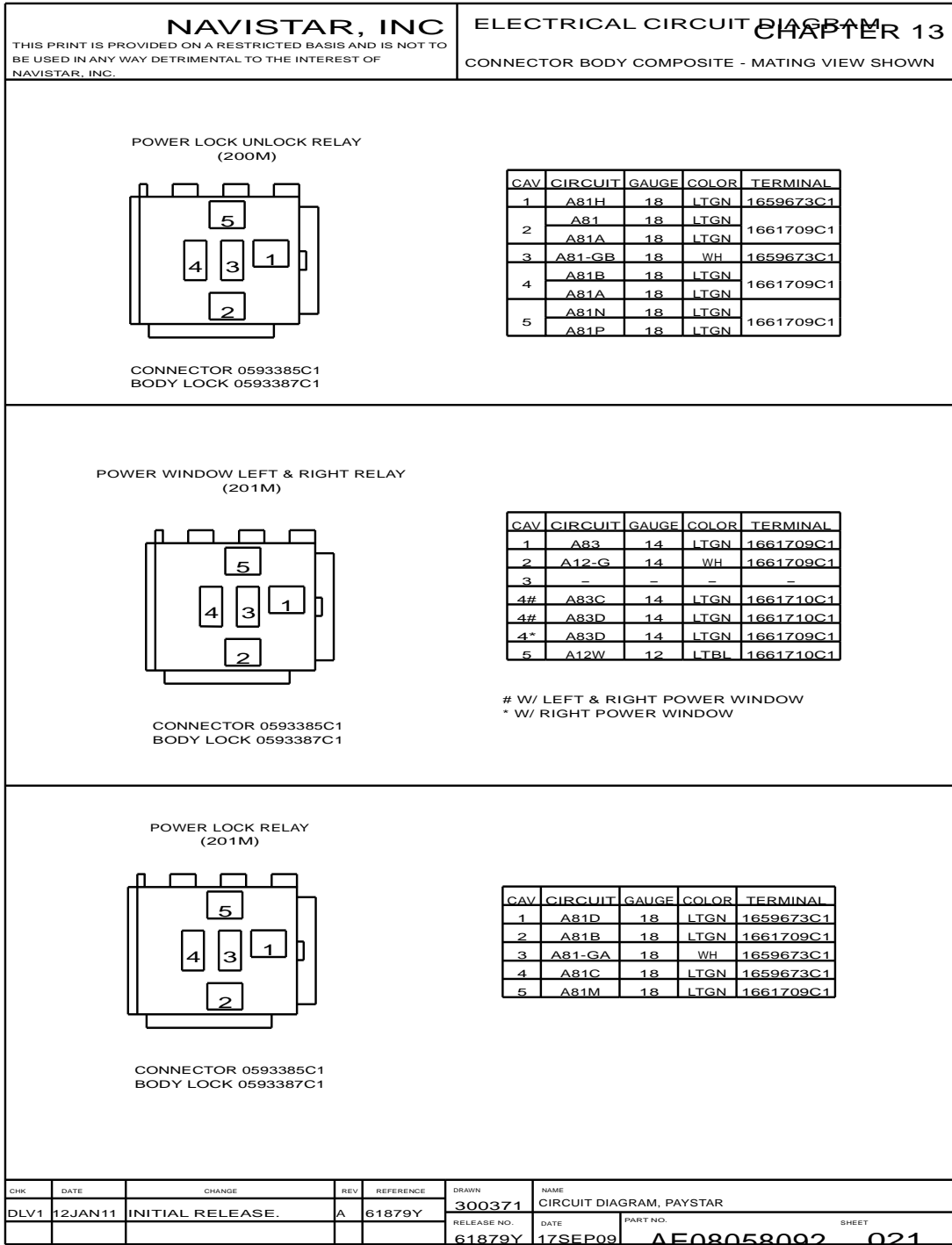


Figure 212 Connector Composites (200M / 201M)

13.26. CONNECTOR COMPOSITES (201M / 202M / 203 / 203G), P. 22

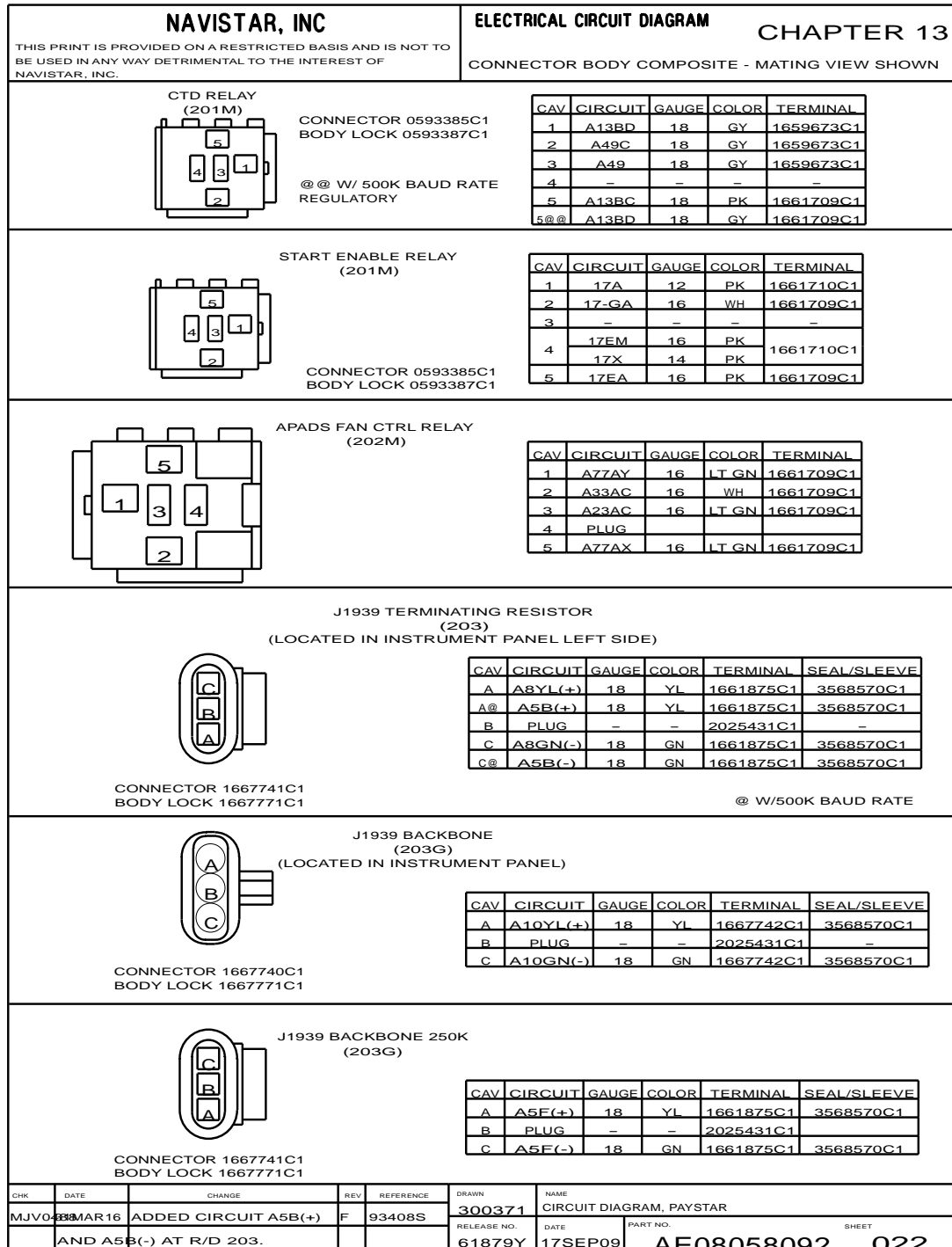


Figure 213 Connector Composites (201M / 202M / 203 / 203G)

13.27. CONNECTOR COMPOSITES (201M / 204 / 205), P. 22A

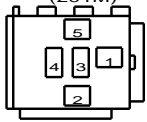
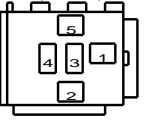
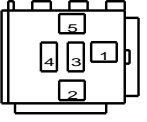

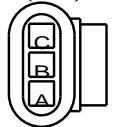
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<p>BUZZER (201M)</p>  <p>CONNECTOR 0593385C1 BODY LOCK 0593387C1</p>		<table border="1" style="width:100%; border-collapse: collapse; font-size: x-small;"> <thead> <tr> <th>CAV</th> <th>CIRCUIT</th> <th>GAUGE</th> <th>COLOR</th> <th>TERMINAL</th> </tr> </thead> <tbody> <tr><td>1</td><td>BROWN</td><td>16</td><td>BN</td><td>1661709C1</td></tr> <tr><td>2</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>3</td><td>A44</td><td>16</td><td>GY</td><td>1661710C1</td></tr> <tr><td>3</td><td>BLACK</td><td>16</td><td>BK</td><td>1661710C1</td></tr> <tr><td>4</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>5</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> </tbody> </table>				CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	1	BROWN	16	BN	1661709C1	2	-	-	-	-	3	A44	16	GY	1661710C1	3	BLACK	16	BK	1661710C1	4	-	-	-	-	5	-	-	-	-
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL																																				
1	BROWN	16	BN	1661709C1																																				
2	-	-	-	-																																				
3	A44	16	GY	1661710C1																																				
3	BLACK	16	BK	1661710C1																																				
4	-	-	-	-																																				
5	-	-	-	-																																				
<p>APADS RELAY (201M)</p>  <p>CONNECTOR 0593385C1 BODY LOCK 0593387C1</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>1</td><td>A77AC</td><td>16</td><td>LT GN</td><td>1661709C1</td></tr> <tr><td>2</td><td>A77-GAB</td><td>16</td><td>WH</td><td>1661709C1</td></tr> <tr><td>3</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>4</td><td>A77AD</td><td>16</td><td>LT GN</td><td>1661709C1</td></tr> <tr><td>5</td><td>A77AB</td><td>16</td><td>PK</td><td>1661709C1</td></tr> </tbody> </table>				CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	1	A77AC	16	LT GN	1661709C1	2	A77-GAB	16	WH	1661709C1	3	-	-	-	-	4	A77AD	16	LT GN	1661709C1	5	A77AB	16	PK	1661709C1					
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL																																				
1	A77AC	16	LT GN	1661709C1																																				
2	A77-GAB	16	WH	1661709C1																																				
3	-	-	-	-																																				
4	A77AD	16	LT GN	1661709C1																																				
5	A77AB	16	PK	1661709C1																																				
<p>ENGINE STOP ALARM (201M) (LOCATED IN INSTRUMENTAL PANEL)</p>  <p>CONNECTOR 0593385C1 BODY LOCK 0593387C1</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>1@</td><td>A13SL3</td><td>18</td><td>PK</td><td>1659673C1</td></tr> <tr><td>2</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>3@</td><td>A13SL1</td><td>18</td><td>PK</td><td>1659673C1</td></tr> <tr><td>4</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>5</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> </tbody> </table> <p style="text-align: center; font-size: x-small;">@ W/ RED STOP LAMP BUZZER</p>				CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	1@	A13SL3	18	PK	1659673C1	2	-	-	-	-	3@	A13SL1	18	PK	1659673C1	4	-	-	-	-	5	-	-	-	-					
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL																																				
1@	A13SL3	18	PK	1659673C1																																				
2	-	-	-	-																																				
3@	A13SL1	18	PK	1659673C1																																				
4	-	-	-	-																																				
5	-	-	-	-																																				
<p>J1939 TERMINATING RESISTOR 250K (204) (LOCATED IN INSTRUMENT PANEL)</p>  <p>CONNECTOR 1667741C1 BODY LOCK 1667771C1</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/SLV</th> </tr> </thead> <tbody> <tr><td>A</td><td>A5K(+)</td><td>18</td><td>YL</td><td>1661875C1</td><td>3568570C1</td></tr> <tr><td>B</td><td>PLUG</td><td>-</td><td>-</td><td>-</td><td>2025431C1</td></tr> <tr><td>C</td><td>A5K(-)</td><td>18</td><td>GN</td><td>1661875C1</td><td>3568570C1</td></tr> </tbody> </table>				CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLV	A	A5K(+)	18	YL	1661875C1	3568570C1	B	PLUG	-	-	-	2025431C1	C	A5K(-)	18	GN	1661875C1	3568570C1											
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLV																																			
A	A5K(+)	18	YL	1661875C1	3568570C1																																			
B	PLUG	-	-	-	2025431C1																																			
C	A5K(-)	18	GN	1661875C1	3568570C1																																			
<p>J1939 TERM RESIST BACKBONE 500K (205)</p>  <p>CONNECTOR 1667741C1 BODY LOCK 1667771C1</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/SLV</th> </tr> </thead> <tbody> <tr><td>A</td><td>A5M(+)</td><td>18</td><td>YL</td><td>1661875C1</td><td>3568570C1</td></tr> <tr><td>B</td><td>PLUG</td><td>-</td><td>-</td><td>2025431C1</td><td>-</td></tr> <tr><td>C</td><td>A5M(-)</td><td>18</td><td>GN</td><td>1661875C1</td><td>3568570C1</td></tr> </tbody> </table>				CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLV	A	A5M(+)	18	YL	1661875C1	3568570C1	B	PLUG	-	-	2025431C1	-	C	A5M(-)	18	GN	1661875C1	3568570C1											
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLV																																			
A	A5M(+)	18	YL	1661875C1	3568570C1																																			
B	PLUG	-	-	2025431C1	-																																			
C	A5M(-)	18	GN	1661875C1	3568570C1																																			
CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME																																		
MJVO	13MAR16	REVISED AND REDRAWN.	E	93408S	MJV0088	CIRCUIT DIAGRAM, PAYSTAR																																		
RELEASE NO.	DATE	PART NO.	SHEET																																					
91786V	12MAR13	AE08058092	22A																																					

Figure 214 Connector Composites (201M / 204 / 205)

13.28. CONNECTOR COMPOSITES (205G / 205M), P. 22B

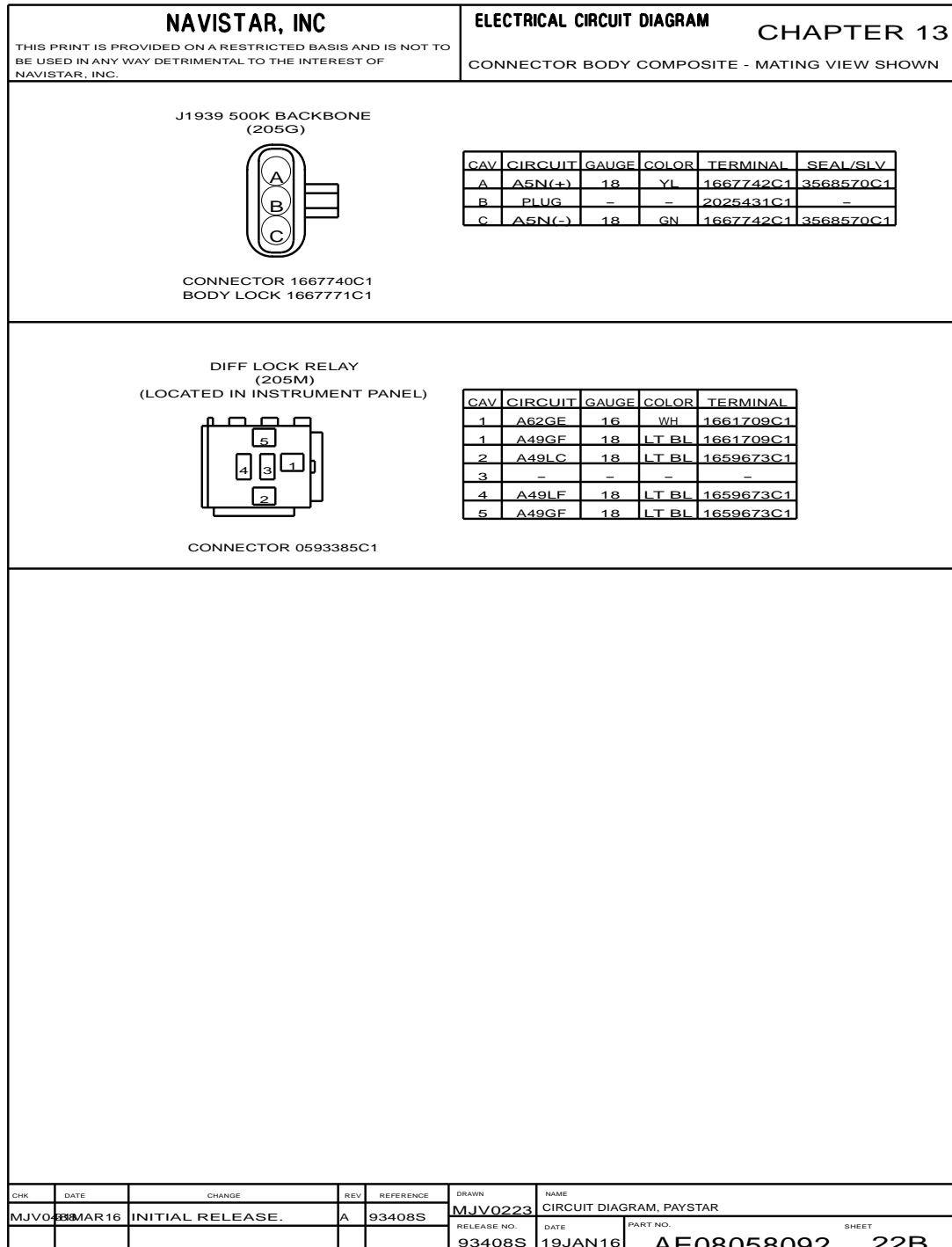


Figure 215 Connector Composites (205G / 205M)

13.29. CONNECTOR COMPOSITES (209 / 211M / 214 / 221), P. 23

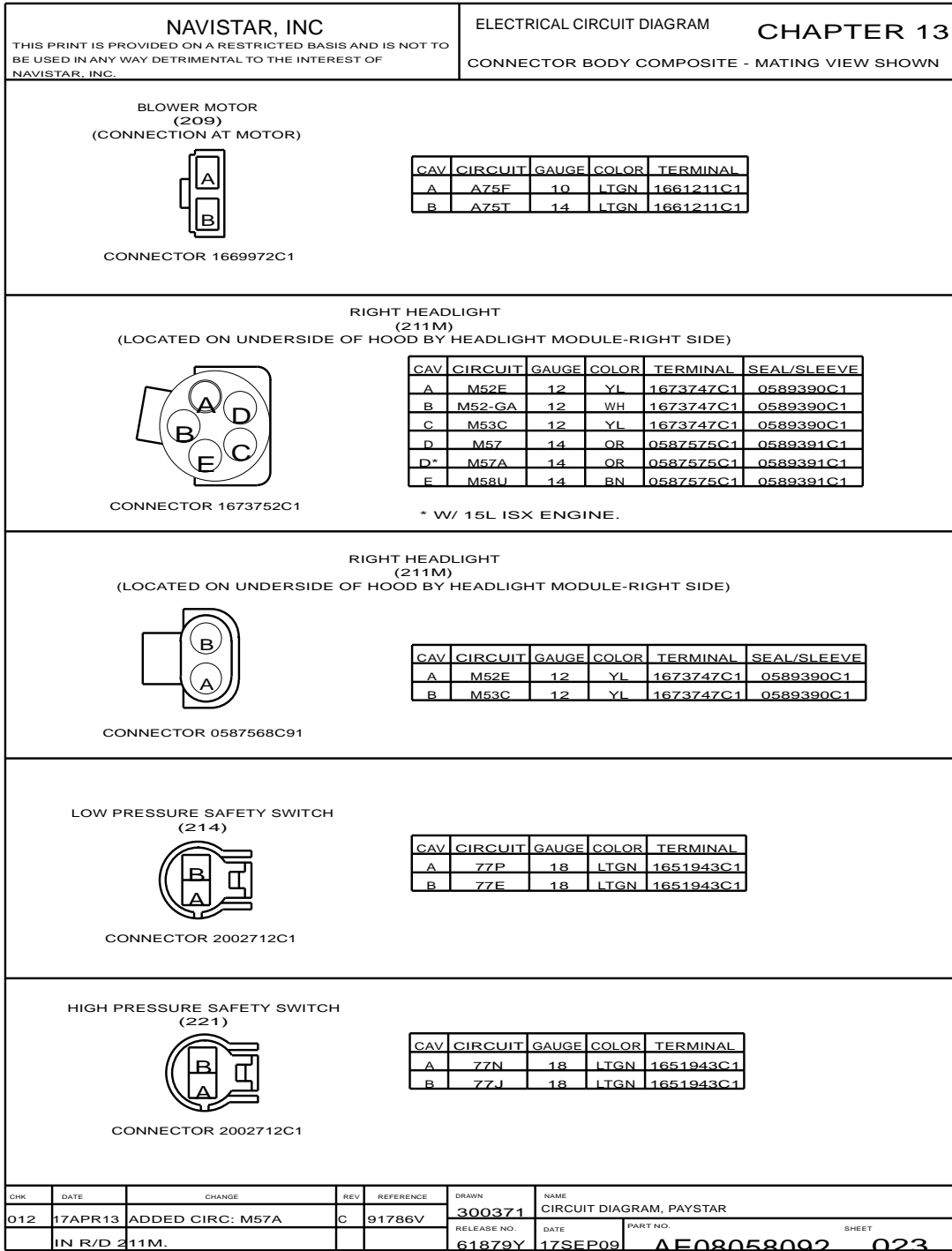


Figure 216 Connector Composites (209 / 211M / 214 / 221)

13.30. CONNECTOR COMPOSITES (227 / 228 / 230 / 236 / 236F / 244F), P. 24

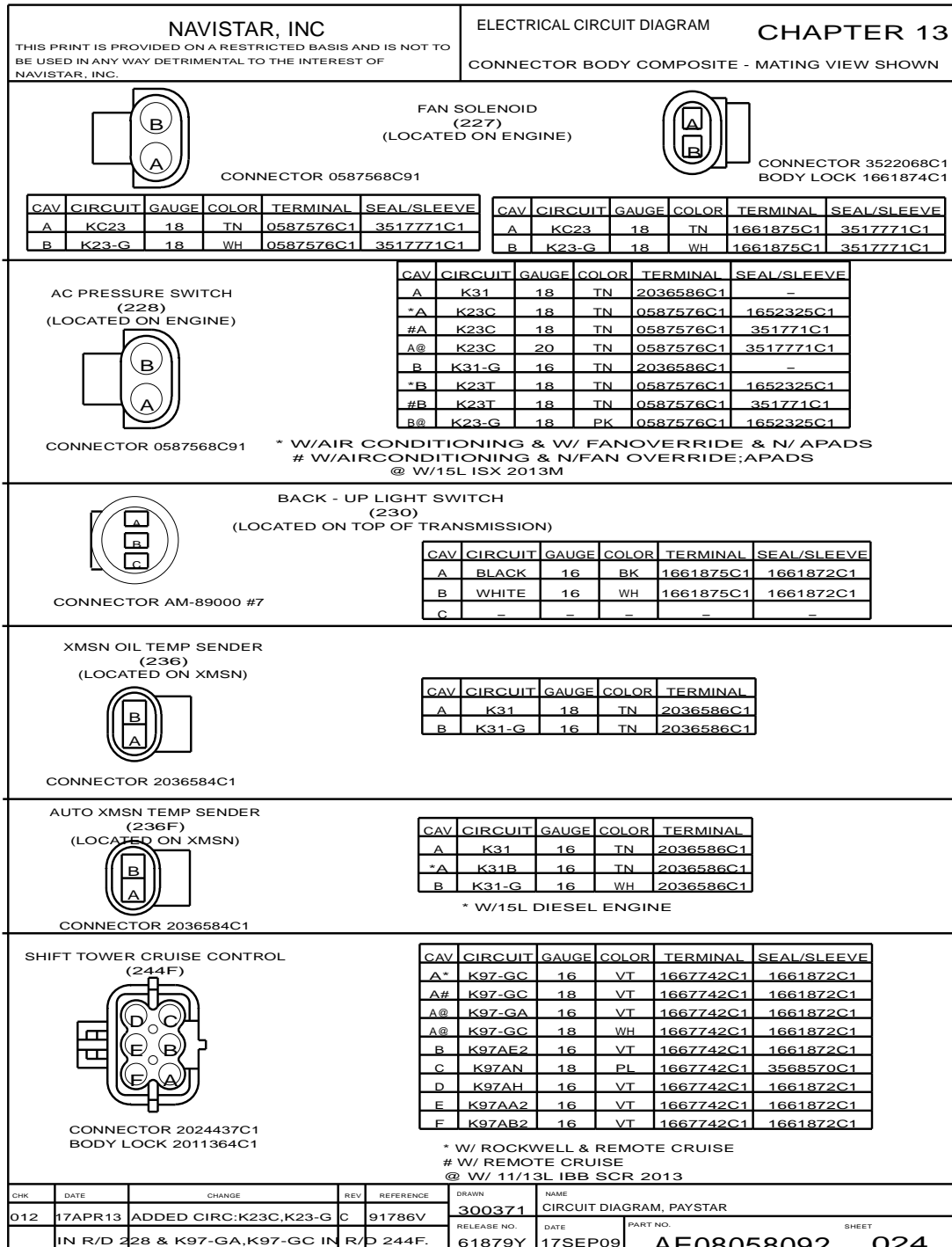


Figure 217 Connector Composites (227 / 228 / 230 / 236 / 236F / 244F)

13.31. CONNECTOR COMPOSITES (267M / *275 / 289F / 290F / 291), P. 25

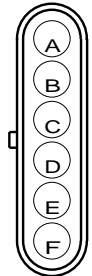
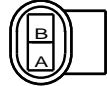
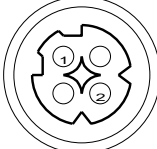

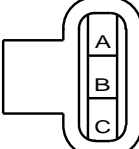
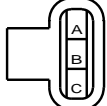
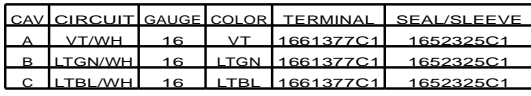
NAVISTAR, INC <small>THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF NAVISTAR, INC.</small>		ELECTRICAL CIRCUIT DIAGRAM		CHAPTER 13																																											
CONNECTOR BODY COMPOSITE - MATING VIEW SHOWN																																															
		THROTTLE POSITION SENSOR (267M) (LOCATED IN INSTRUMENT PANEL)																																													
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CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE																																										
A	A99-G	18	VT	0587578C1	1652325C1																																										
B	A99	18	VT	0587578C1	1652325C1																																										
C	A99A(5V)	18	VT	0587578C1	1652325C1																																										
D	A99D(5V)	18	VT	0587578C1	1652325C1																																										
E	A99-GD	18	VT	0587578C1	1652325C1																																										
F	A99D	18	VT	0587578C1	1652325C1																																										
CONNECTOR 0587573C91																																															
THERMAL OVERCRANK (*275)		HILL START AID (285F)																																													
																																															
CONNECTOR 2036583C1		CONNECTOR 3678796C1																																													
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CAV	CIRCUIT	GAUGE	COLOR	TERMINAL																																											
A	K17A	16	PK	2036586C1																																											
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FRONT WHEEL SPEED SENSOR LEFT (289F) (LOCATED AT FRONT LEFT SENSOR)		FRONT LEFT MODULATOR VALVE (290F) (LOCATED AT BETWEEN FRONT WHEELS)																																													
																																															
CONNECTOR 1684261C1 BODY LOCK 1684263C1		CONNECTOR 1686834C1 BODY LOCK 1664408C1																																													
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CAV	CIRCUIT	GAUGE	COLOR	TERMINAL																																											
1	GY/WH	16	GY	1680205C1																																											
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CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE																																										
A	BK/WH	16	BK	2033819C1	1652325C1																																										
B	RD/WH	16	RD	2033819C1	1652325C1																																										
C	BN/WH	16	BN	2033819C1	1652325C1																																										
ABS FRONT CHASSIS		ABS RIGHT FRONT MODULATOR VALVE (291) (LOCATED AT BETWEEN FRONT WHEELS)																																													
																																															
CONNECTOR 1686834C1 BODY LOCK 1664408C1																																															
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C	LTBL/WH	16	LTBL	1661377C1	1652325C1																																										
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MJVD	13MAR16	REVISED AND REDRAWN.	D	93408S	300371	CIRCUIT DIAGRAM, PAYSTAR																																									
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					61879Y	17SEP09																																									
					PART NO.	SHEET																																									
					AE08058092	025																																									

Figure 218 Connector Composites (267M / *275 / 289F / 290F / 291)

13.32. CONNECTOR COMPOSITES (291F / 292F / 294A / 294F), P. 26

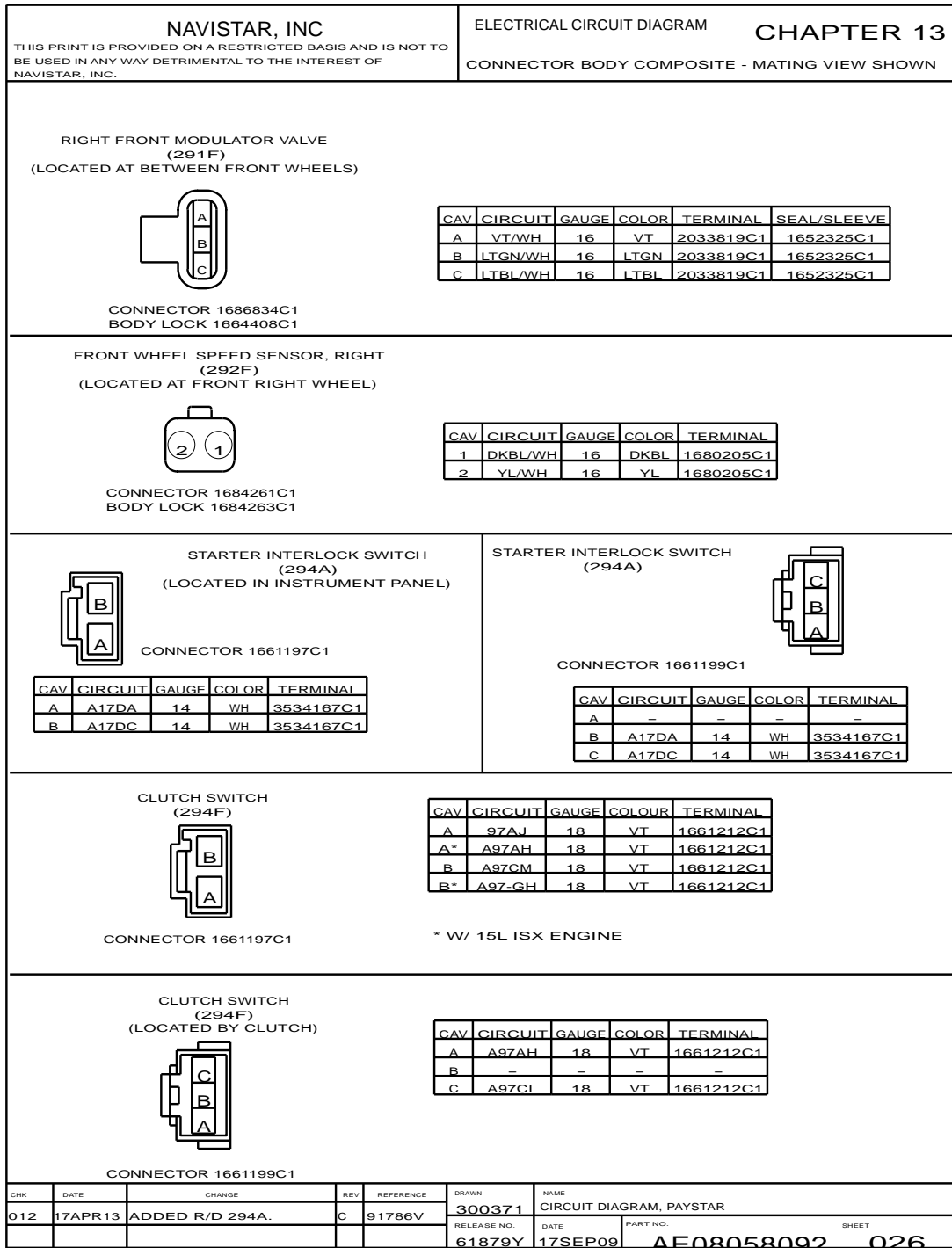


Figure 219 Connector Composites (291F / 292F / 294A / 294F)

13.33. CONNECTOR COMPOSITES (296M / 298 / 299 / 303F), P. 27

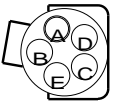
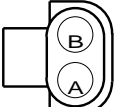
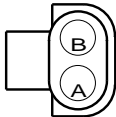
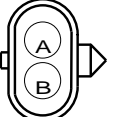
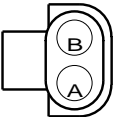
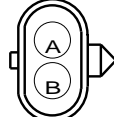
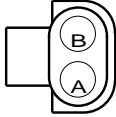
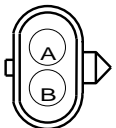
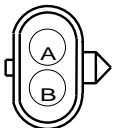
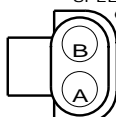
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CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE																																												
A	M52D	12	YL	1673747C1	0589390C1																																												
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C	M53D	12	YL	1673747C1	0589390C1																																												
D	M56	18	OR	0587576C1	1652325C1																																												
D*	M56A	18	OR	0587576C1	1652325C1																																												
E	M58T	18	BN	0587576C1	1652325C1																																												
CONNECTOR 1673752C1				* W/ 15L ISX ENGINE.																																													
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Figure 220 Connector Composites (296M / 298 / 299 / 303F)

13.34. CONNECTOR COMPOSITES (303M / 311 / 312 / 313 / 314M), P. 28

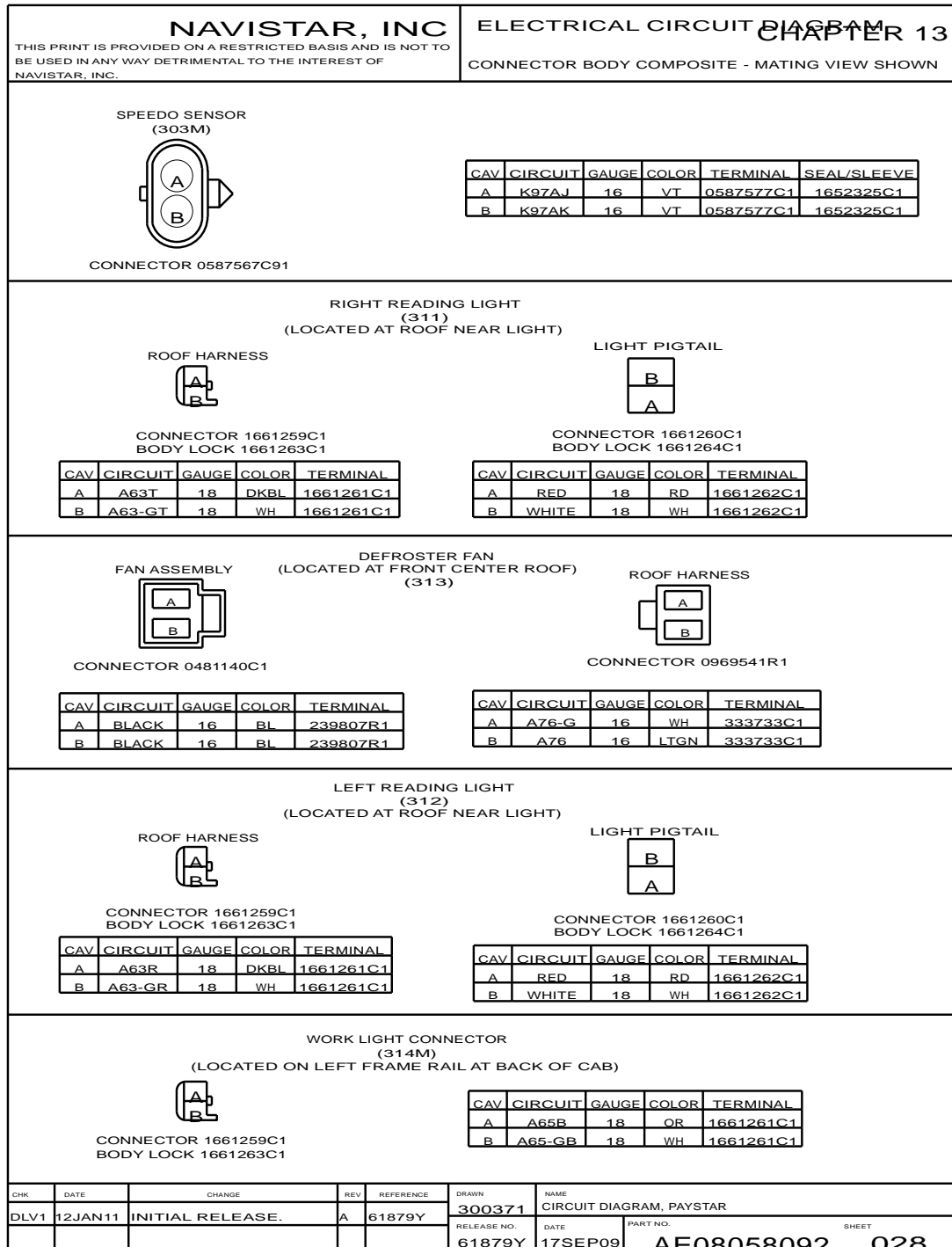


Figure 221 Connector Composites (303M / 311 / 312 / 313 / 314M)

13.35. CONNECTOR COMPOSITES (320 / 325 / 340), P. 29

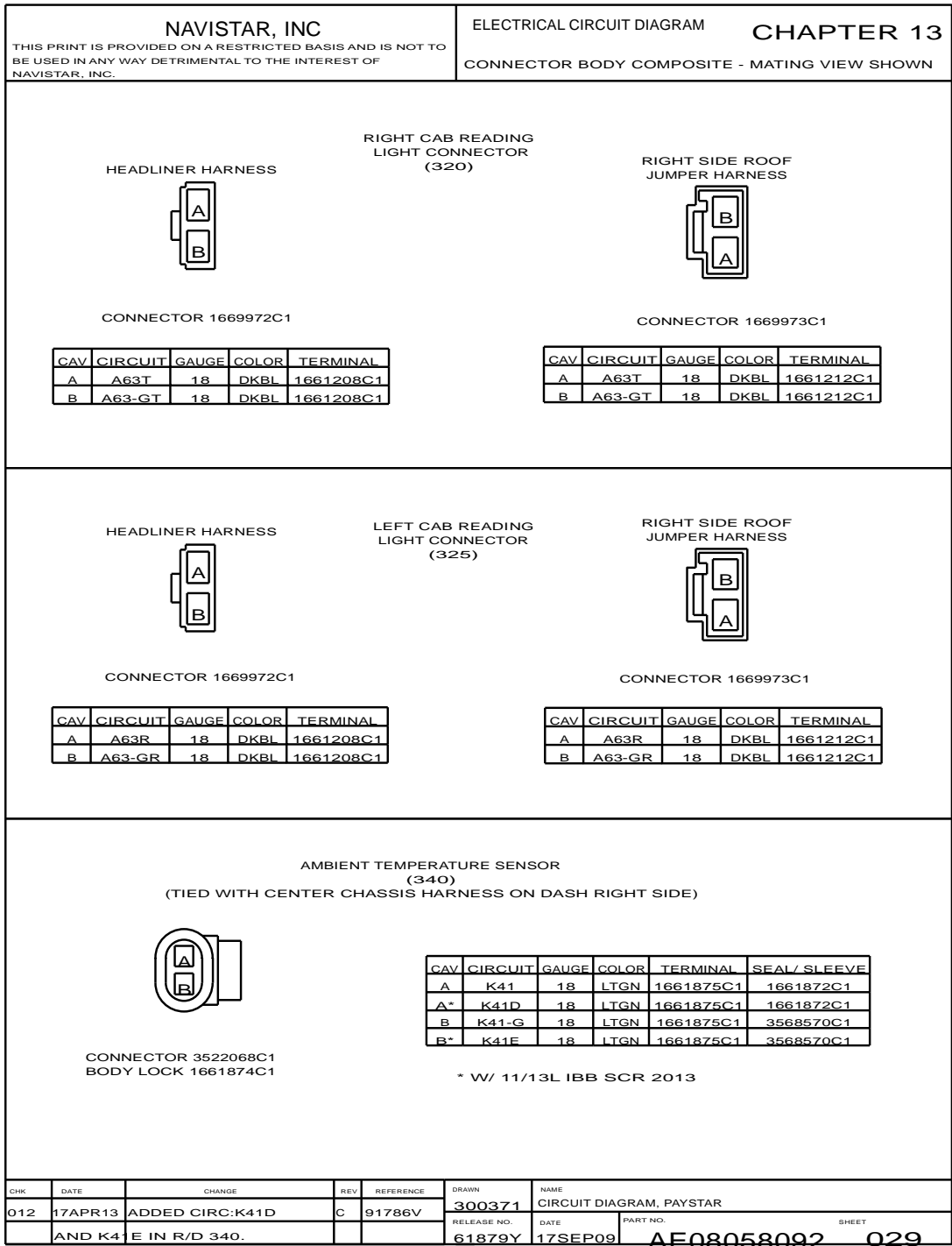


Figure 222 Connector Composites (320 / 325 / 340)

13.36. CONNECTOR COMPOSITES (345M / 351 / 352), P. 29A

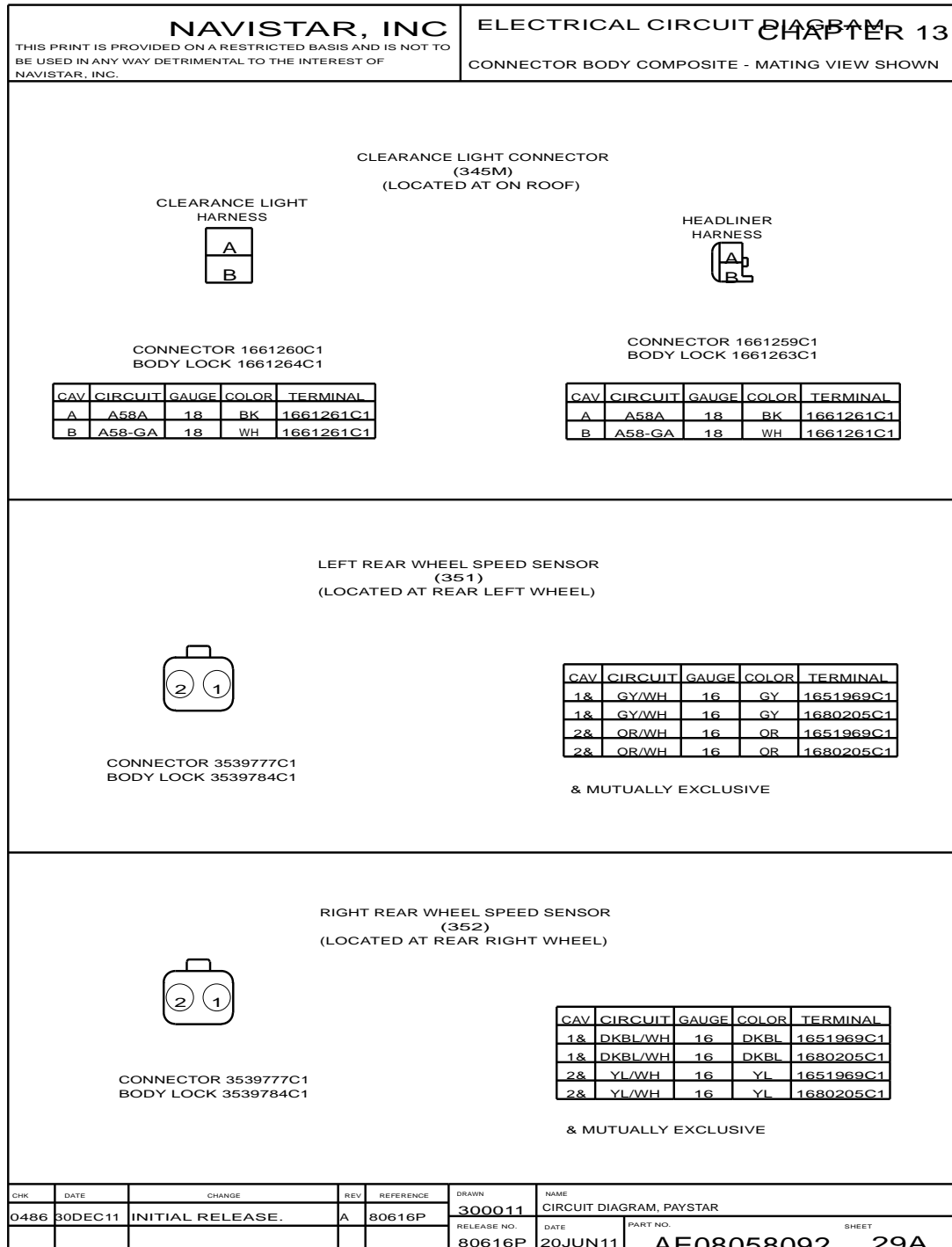


Figure 223 Connector Composites (345M / 351 / 352)

13.37. CONNECTOR COMPOSITES (353 / 354 / 355), P. 30

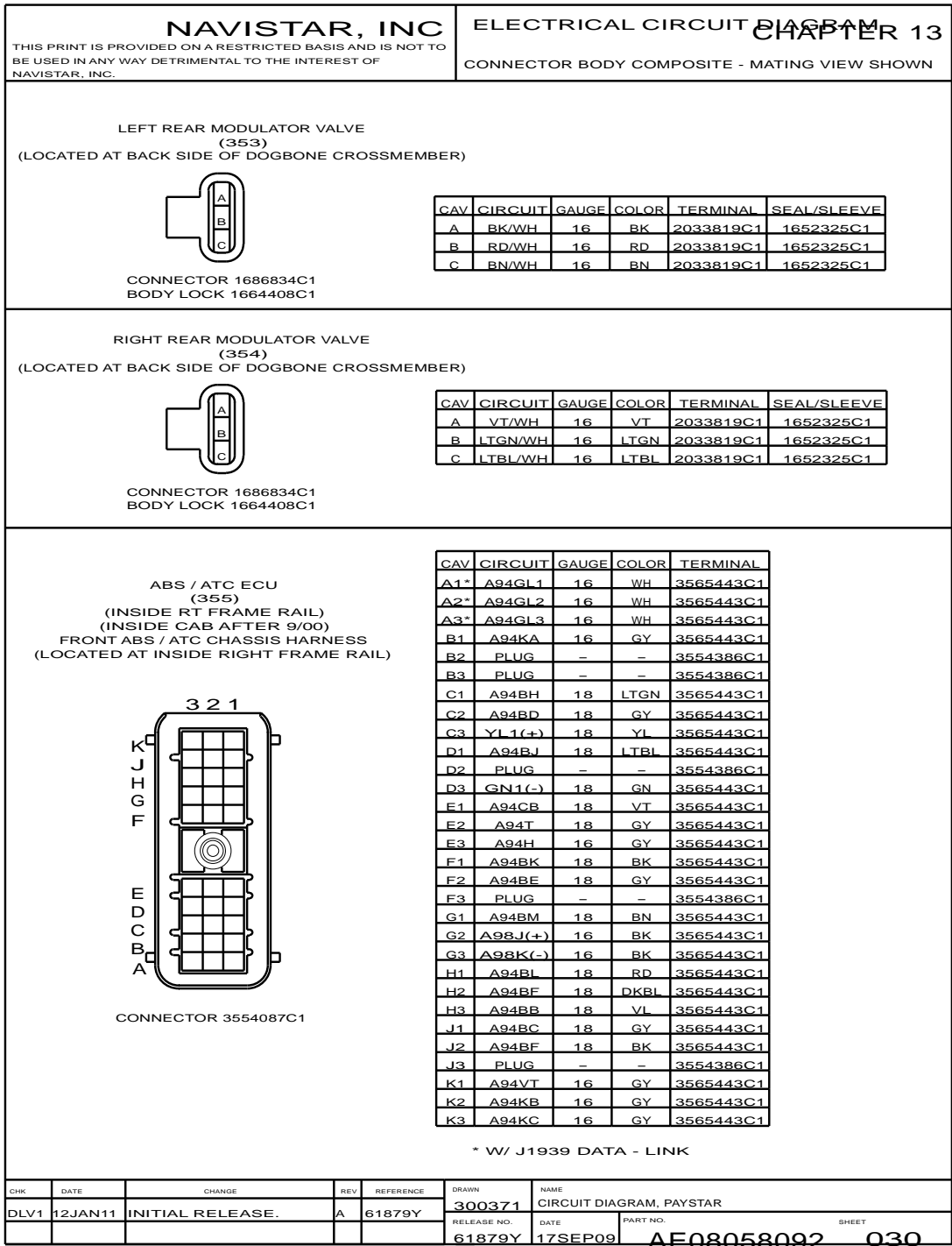


Figure 224 Connector Composites (353 / 354 / 355)

13.38. CONNECTOR COMPOSITES (360 / 393 / 393B / 412A / 420M), P. 31


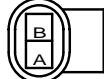
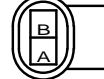
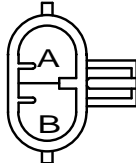
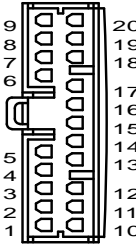
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Figure 225 Connector Composites (360 / 393 / 393B / 412A / 420M)

13.39. CONNECTOR COMPOSITES (421M / 422M), P. 32

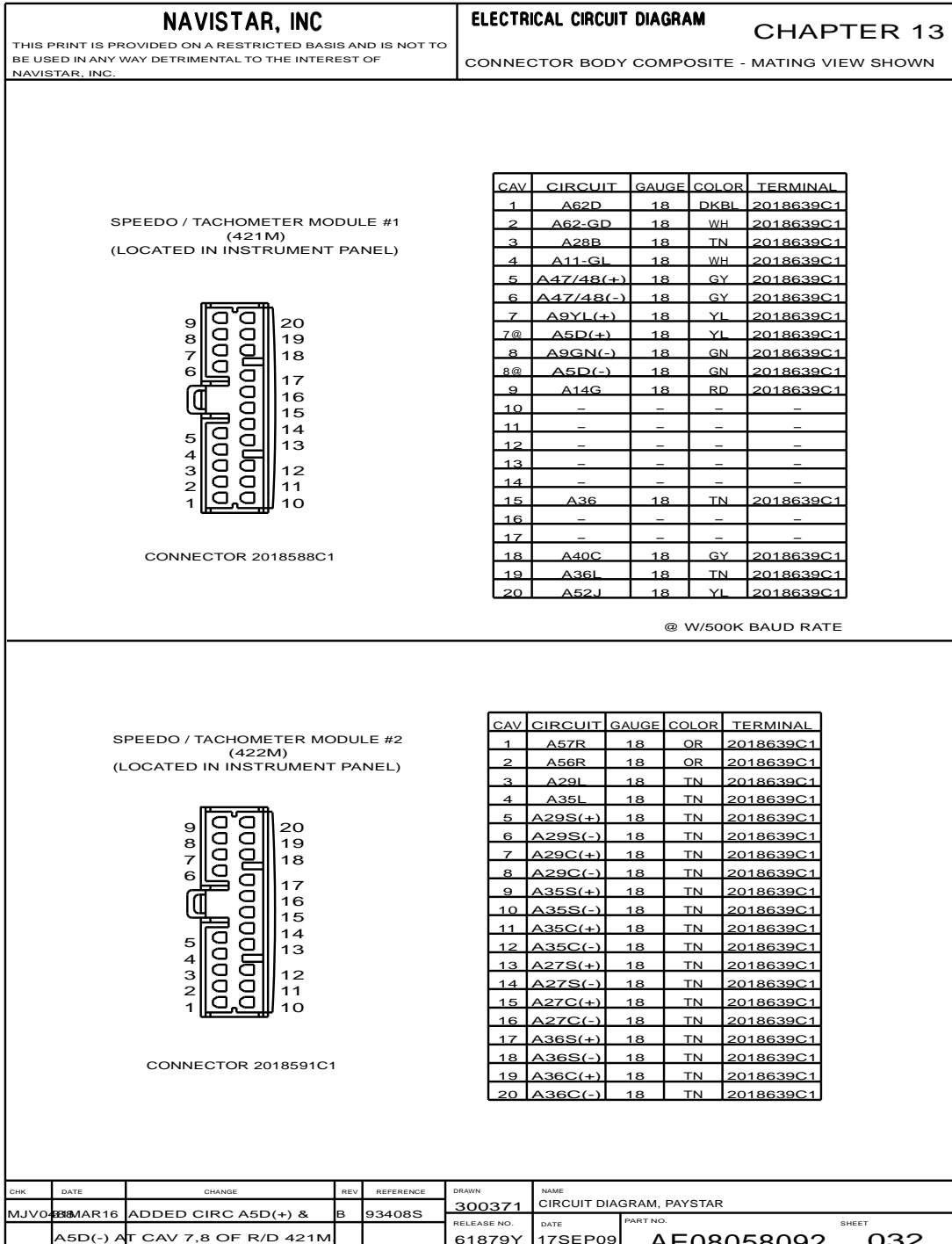


Figure 226 Connector Composites (421M / 422M)

13.40. CONNECTOR COMPOSITES (423M / 424M), P. 33

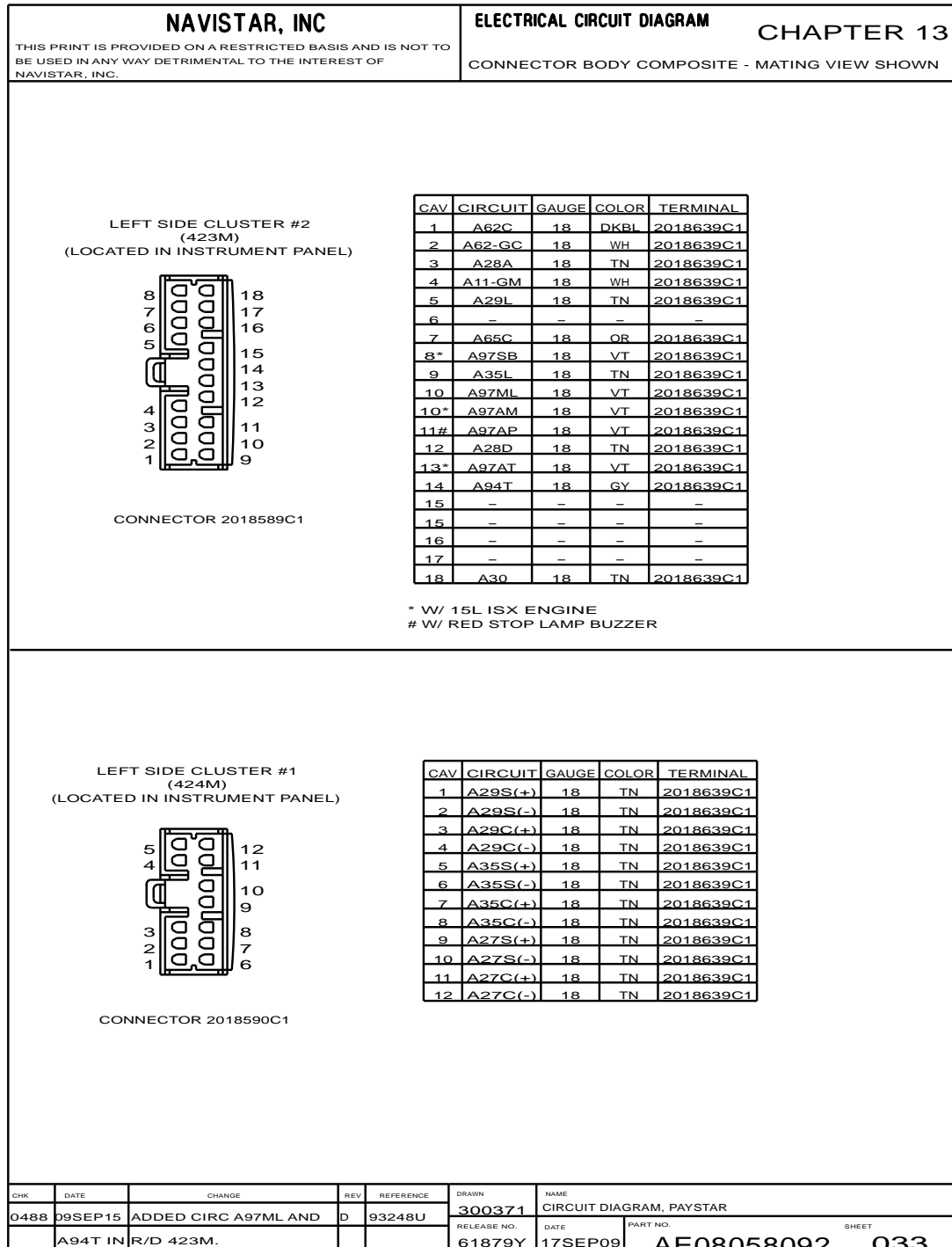


Figure 227 Connector Composites (423M / 424M)

13.41. CONNECTOR COMPOSITES (425M / 426 / 426M / 427 / 480F), P. 34

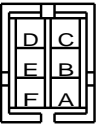
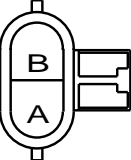
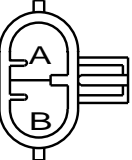
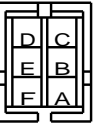
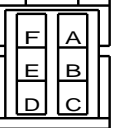
NAVISTAR, INC				ELECTRICAL CIRCUIT DIAGRAM				CHAPTER 13																																							
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<p>PANEL LIGHT SWITCH (425M) (LOCATED IN INSTRUMENT PANEL)</p>  <p>CONNECTOR 1661200C1</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <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>A62</td><td>16</td><td>DKBL</td><td>1661209C1</td></tr> <tr><td>B</td><td>A11-GS</td><td>16</td><td>WH</td><td>1661209C1</td></tr> <tr><td>C</td><td>A62A</td><td>16</td><td>DKBL</td><td>1661209C1</td></tr> <tr><td>D</td><td>A62W</td><td>16</td><td>DKBL</td><td>1661209C1</td></tr> <tr><td>E</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>F</td><td>A62-GW</td><td>18</td><td>WH</td><td>1661208C1</td></tr> </tbody> </table>												CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	A	A62	16	DKBL	1661209C1	B	A11-GS	16	WH	1661209C1	C	A62A	16	DKBL	1661209C1	D	A62W	16	DKBL	1661209C1	E	-	-	-	-	F	A62-GW	18	WH	1661208C1	
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL																																											
A	A62	16	DKBL	1661209C1																																											
B	A11-GS	16	WH	1661209C1																																											
C	A62A	16	DKBL	1661209C1																																											
D	A62W	16	DKBL	1661209C1																																											
E	-	-	-	-																																											
F	A62-GW	18	WH	1661208C1																																											
<p>XMSN ECU (426 / 480F) (LOCATED IN CAB ROOF)</p>  <p>CONNECTOR 2031522C1 BODY LOCK 2033927C1</p>  <p>CONNECTOR 2031520C1 BODY LOCK 2033927C1</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th>CAV</th> <th>CIRCUIT</th> <th>GAUGE</th> <th>COLOR</th> <th>TERMINAL</th> <th>SEAL/SLEEVE</th> <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>A14B</td><td>10</td><td>RD</td><td>2031531C1</td><td>2025427C1</td><td>A</td><td>K92</td><td>14</td><td>TN</td><td>2025421C1</td><td>2025421C1</td></tr> <tr><td>B</td><td>A11-G</td><td>10</td><td>WH</td><td>2031531C1</td><td>2025427C1</td><td>B</td><td>K92-G</td><td>14</td><td>TN</td><td>2025421C1</td><td>2025428C1</td></tr> </tbody> </table>												CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE	CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE	A	A14B	10	RD	2031531C1	2025427C1	A	K92	14	TN	2025421C1	2025421C1	B	A11-G	10	WH	2031531C1	2025427C1	B	K92-G	14	TN	2025421C1	2025428C1
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE	CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE																																				
A	A14B	10	RD	2031531C1	2025427C1	A	K92	14	TN	2025421C1	2025421C1																																				
B	A11-G	10	WH	2031531C1	2025427C1	B	K92-G	14	TN	2025421C1	2025428C1																																				
<p>RADIO #1 (426M)</p>  <p>CONNECTOR 1661200C1</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <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>A88B</td><td>16</td><td>LTGN</td><td>1661209C1</td></tr> <tr><td>B</td><td>A86A</td><td>18</td><td>LTGN</td><td>1661208C1</td></tr> <tr><td>C</td><td>A86C</td><td>18</td><td>LTGN</td><td>1661208C1</td></tr> <tr><td>D@</td><td>A86</td><td>16</td><td>LTGN</td><td>1661209C1</td></tr> <tr><td>E</td><td>A86D</td><td>18</td><td>LTGN</td><td>1661208C1</td></tr> <tr><td>F</td><td>A86B</td><td>18</td><td>LTGN</td><td>1661208C1</td></tr> </tbody> </table> <p style="text-align: center;">@ W/500K BAUD RATE</p>												CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	A	A88B	16	LTGN	1661209C1	B	A86A	18	LTGN	1661208C1	C	A86C	18	LTGN	1661208C1	D@	A86	16	LTGN	1661209C1	E	A86D	18	LTGN	1661208C1	F	A86B	18	LTGN	1661208C1	
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL																																											
A	A88B	16	LTGN	1661209C1																																											
B	A86A	18	LTGN	1661208C1																																											
C	A86C	18	LTGN	1661208C1																																											
D@	A86	16	LTGN	1661209C1																																											
E	A86D	18	LTGN	1661208C1																																											
F	A86B	18	LTGN	1661208C1																																											
<p>RADIO #2 (427) (LOCATED IN CAB ROOF)</p>  <p>CONNECTOR 1661201C1</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <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>A86-GA</td><td>18</td><td>WH</td><td>1661212C1</td></tr> <tr><td>B</td><td>A86N</td><td>18</td><td>LTGN</td><td>1661212C1</td></tr> <tr><td>C</td><td>A86V</td><td>18</td><td>LTGN</td><td>1661212C1</td></tr> <tr><td>D</td><td>A86W</td><td>18</td><td>LTGN</td><td>1661212C1</td></tr> <tr><td>E</td><td>A86P</td><td>18</td><td>LTGN</td><td>1661212C1</td></tr> <tr><td>F</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> </tbody> </table>												CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	A	A86-GA	18	WH	1661212C1	B	A86N	18	LTGN	1661212C1	C	A86V	18	LTGN	1661212C1	D	A86W	18	LTGN	1661212C1	E	A86P	18	LTGN	1661212C1	F	-	-	-	-	
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL																																											
A	A86-GA	18	WH	1661212C1																																											
B	A86N	18	LTGN	1661212C1																																											
C	A86V	18	LTGN	1661212C1																																											
D	A86W	18	LTGN	1661212C1																																											
E	A86P	18	LTGN	1661212C1																																											
F	-	-	-	-																																											
CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME																																									
MJV0	13MAR16	ADDED CIRC A86 AT CAV	B	93408S	300371	CIRCUIT DIAGRAM, PAYSTAR																																									
D OF R/D		426M.			RELEASE NO.	DATE	PART NO.	SHEET																																							
					61879Y	17SEP09	AE08058092	034																																							

Figure 228 Connector Composites (425M / 426 / 426M / 427 / 480F)

13.42. CONNECTOR COMPOSITES (428F / 429F / 430), P. 35

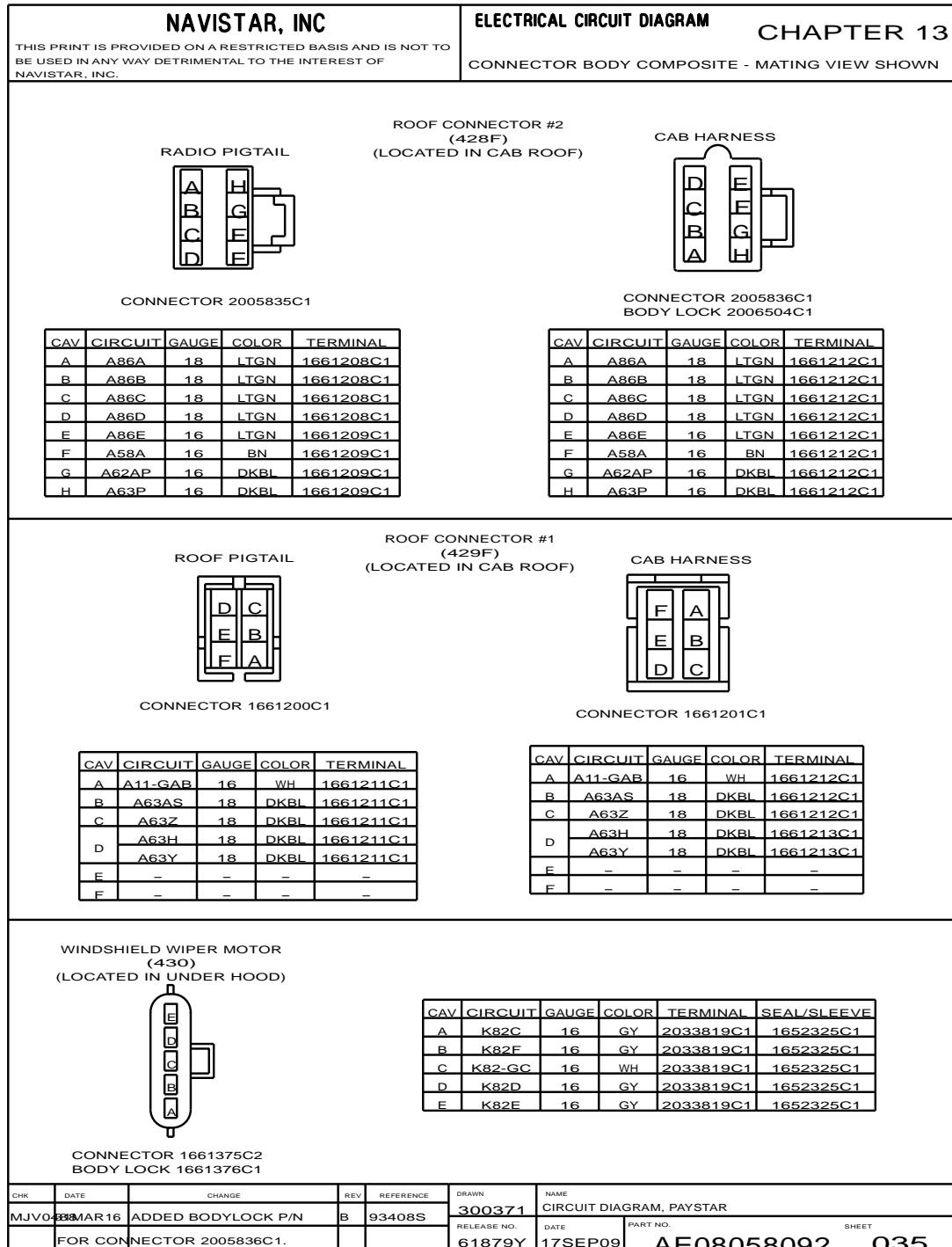


Figure 229 Connector Composites (428F / 429F / 430)

13.43. CONNECTOR COMPOSITES (433M / 434M / 435M), P. 36

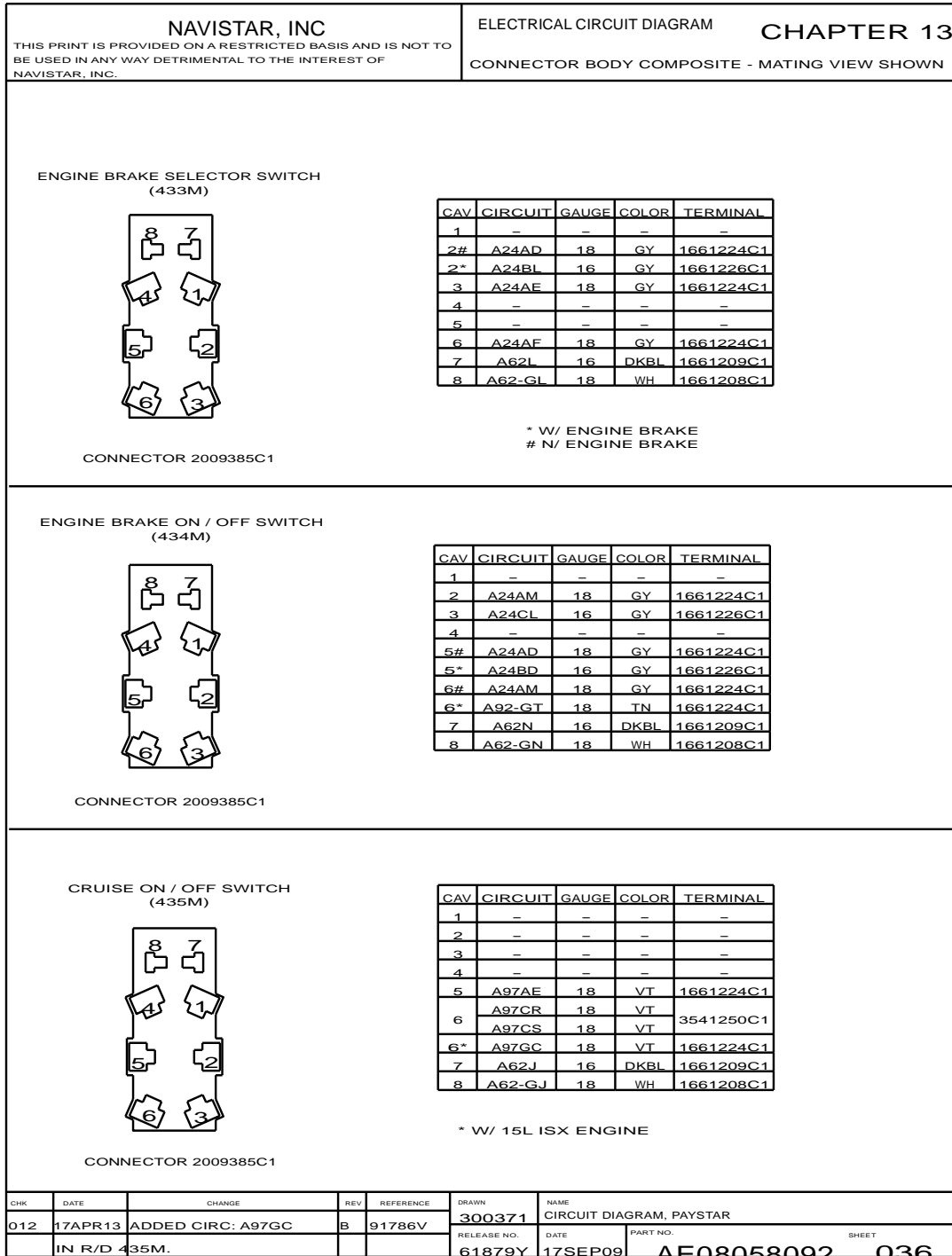


Figure 230 Connector Composites (433M / 434M / 435M)

13.44. CONNECTOR COMPOSITES (436M / 437M / 438M / 440M), P. 37

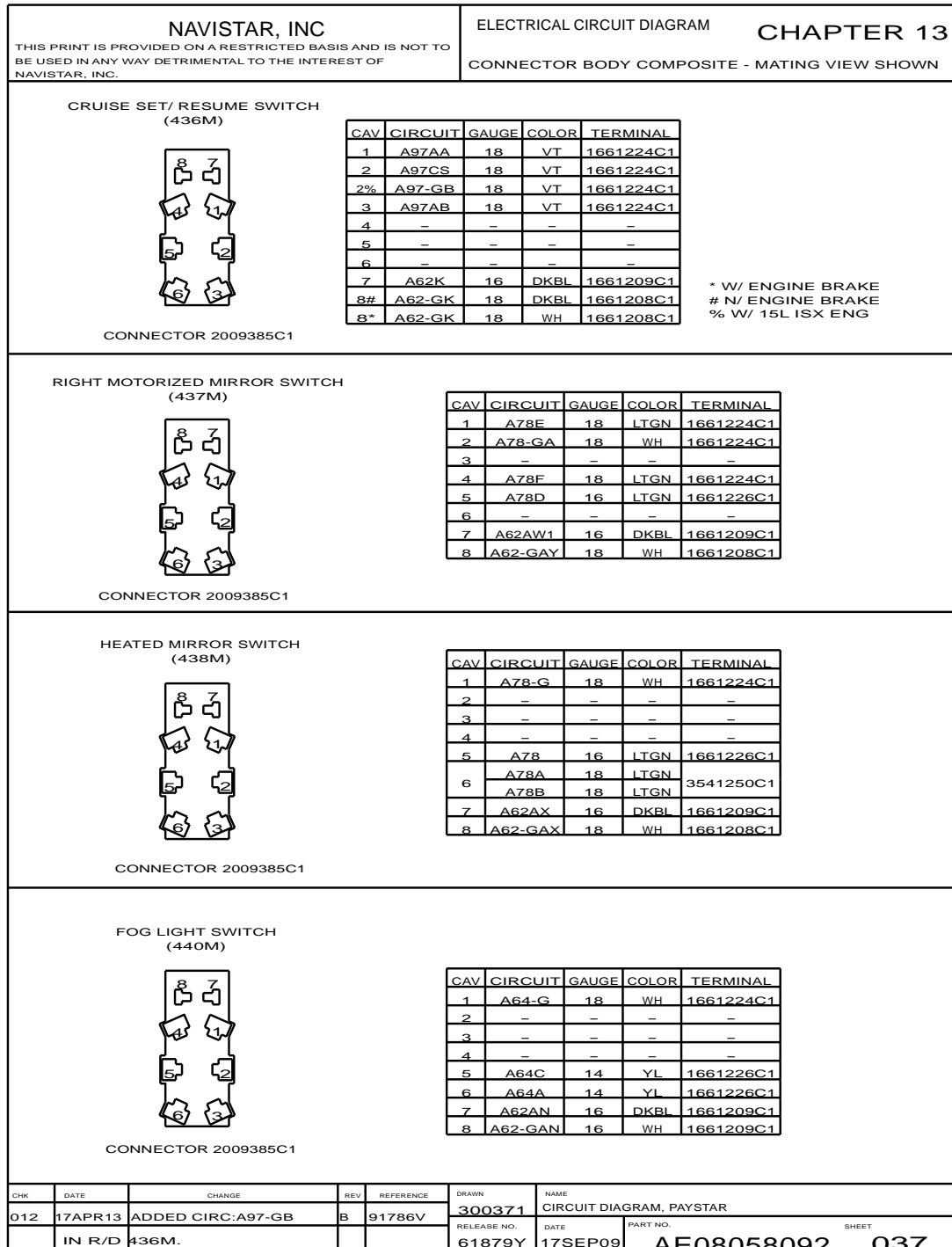


Figure 231 Connector Composites (436M / 437M / 438M / 440M)

13.45. CONNECTOR COMPOSITES (441 / 442 / 453M), P. 38

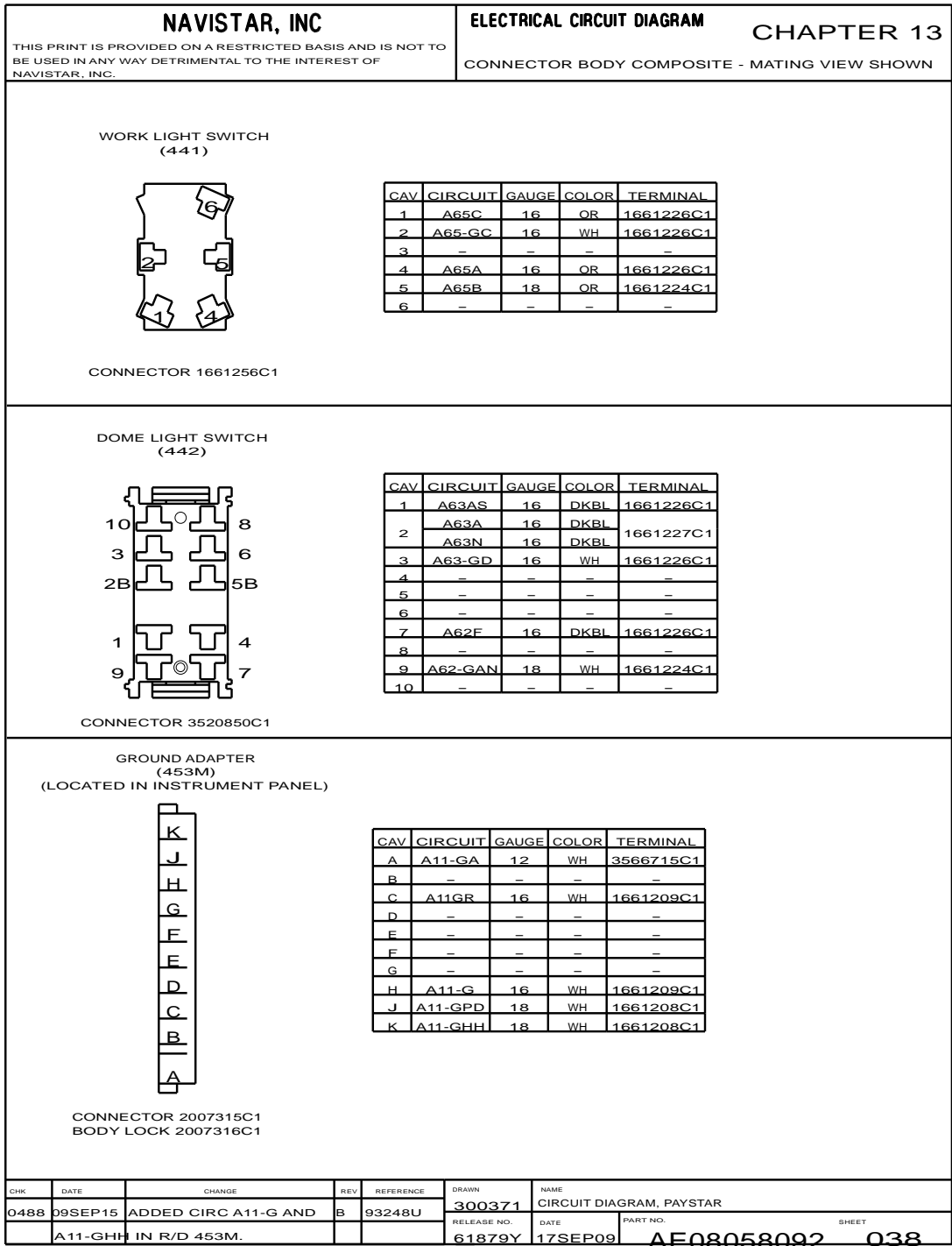


Figure 232 Connector Composites (441 / 442 / 453M)

13.46. CONNECTOR COMPOSITES (454M / 455M), P. 39

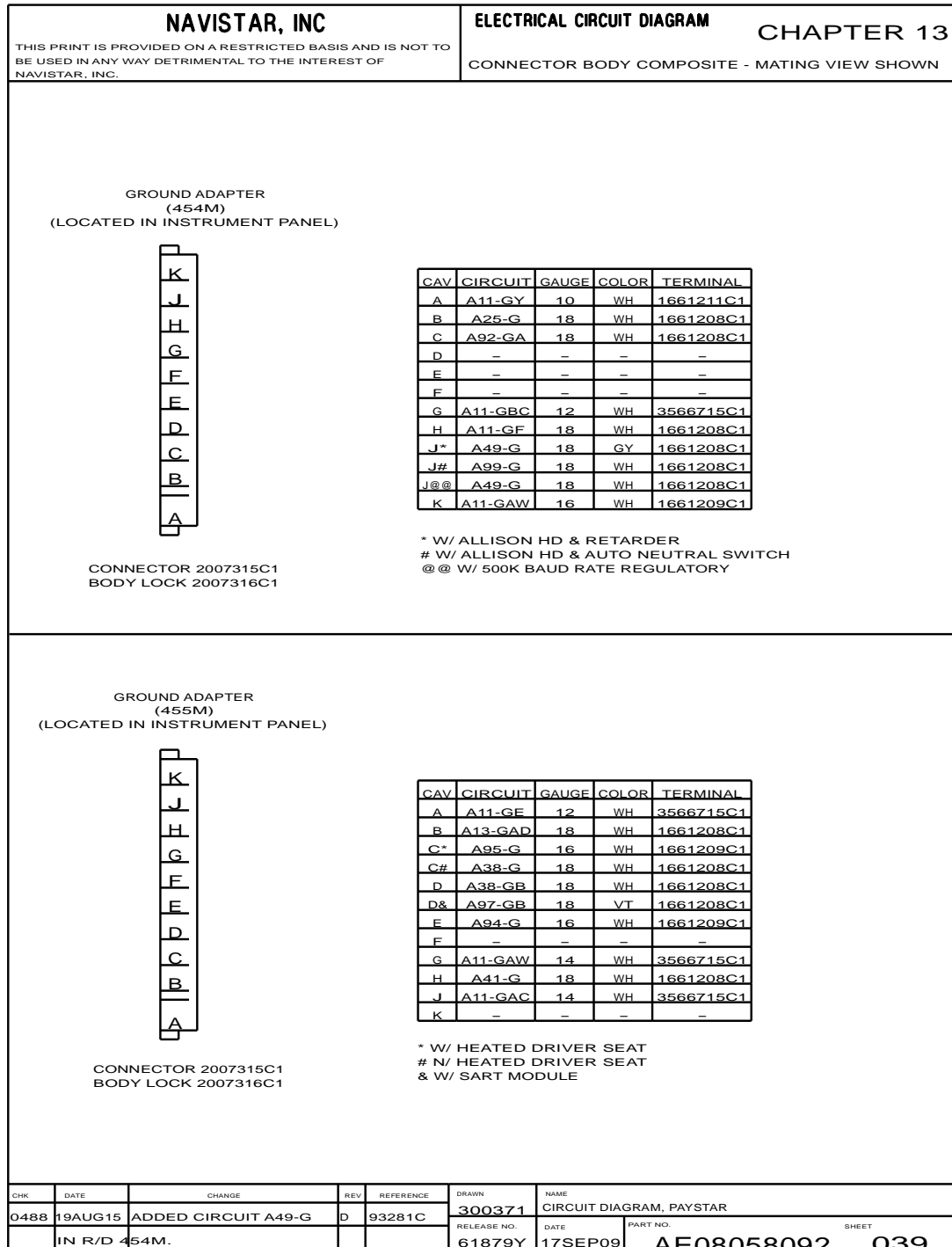


Figure 233 Connector Composites (454M / 455M)

13.47. CONNECTOR COMPOSITES (456M / 457M / 460F), P. 40

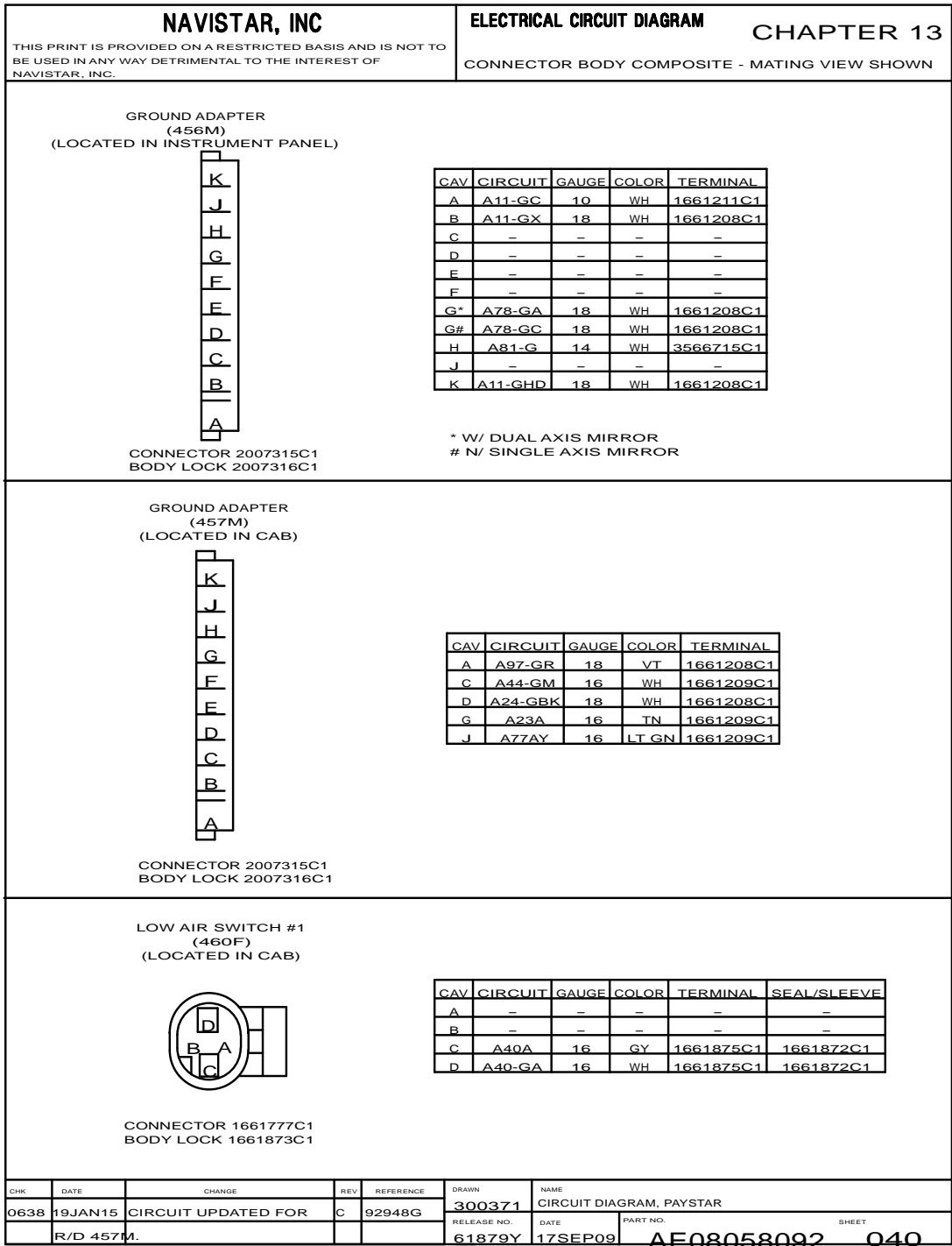


Figure 234 Connector Composites (456M / 457M / 460F)

13.48. CONNECTOR COMPOSITES (462M), P. 41

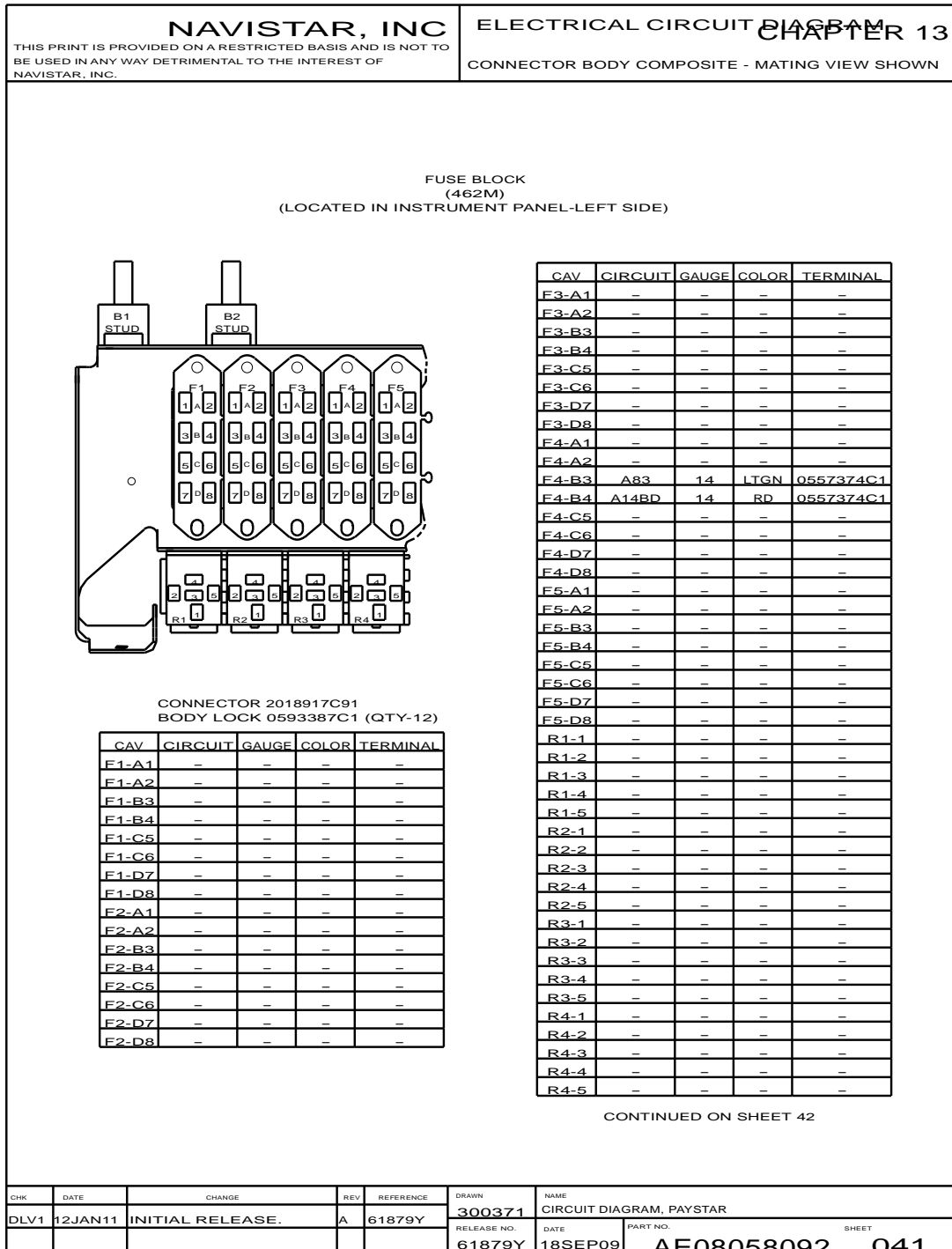


Figure 235 Connector Composites (462M)

13.49. CONNECTOR COMPOSITES (462M), P. 42

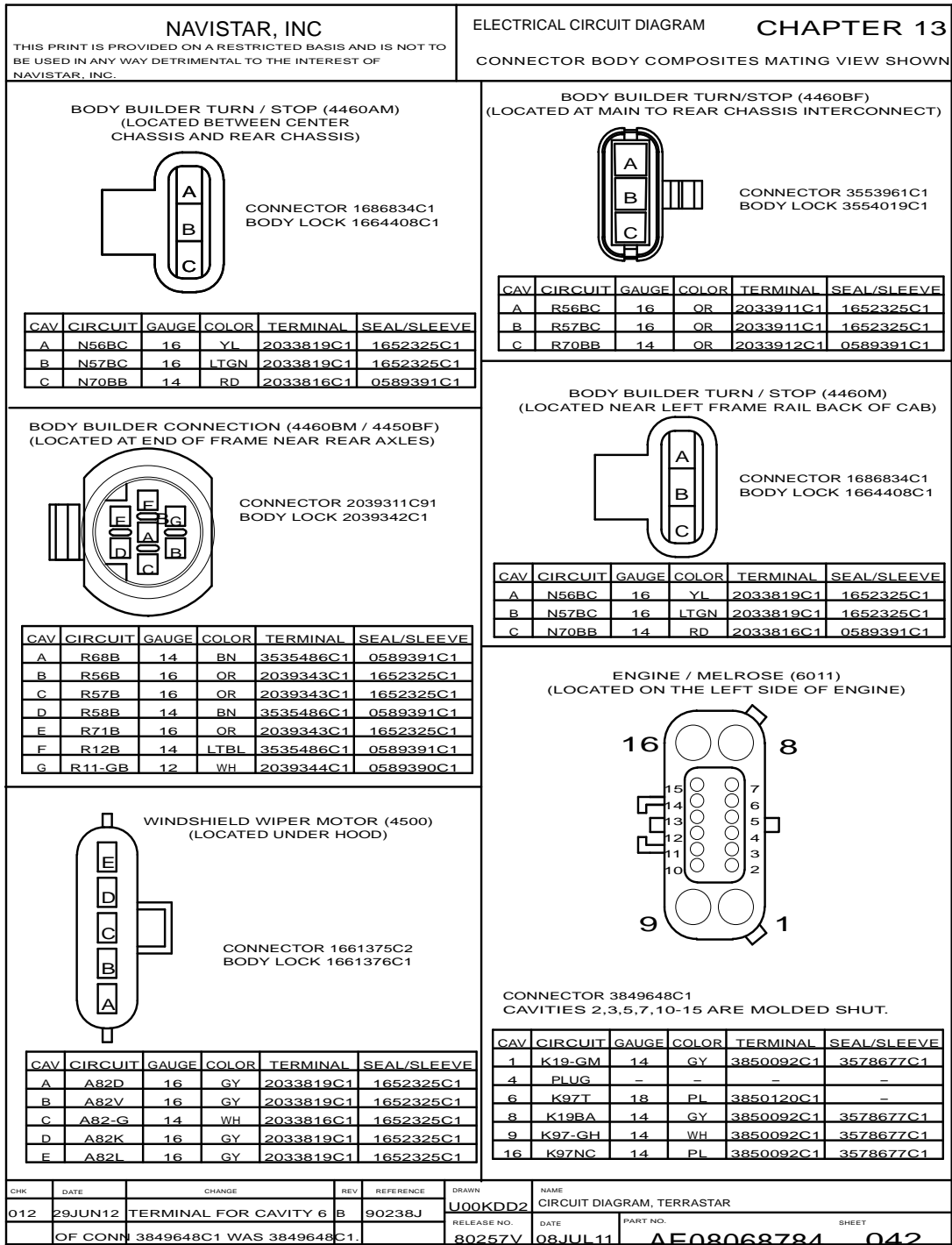


Figure 236 Connector Composites (462M)

13.50. CONNECTOR COMPOSITES (462M), P. 43

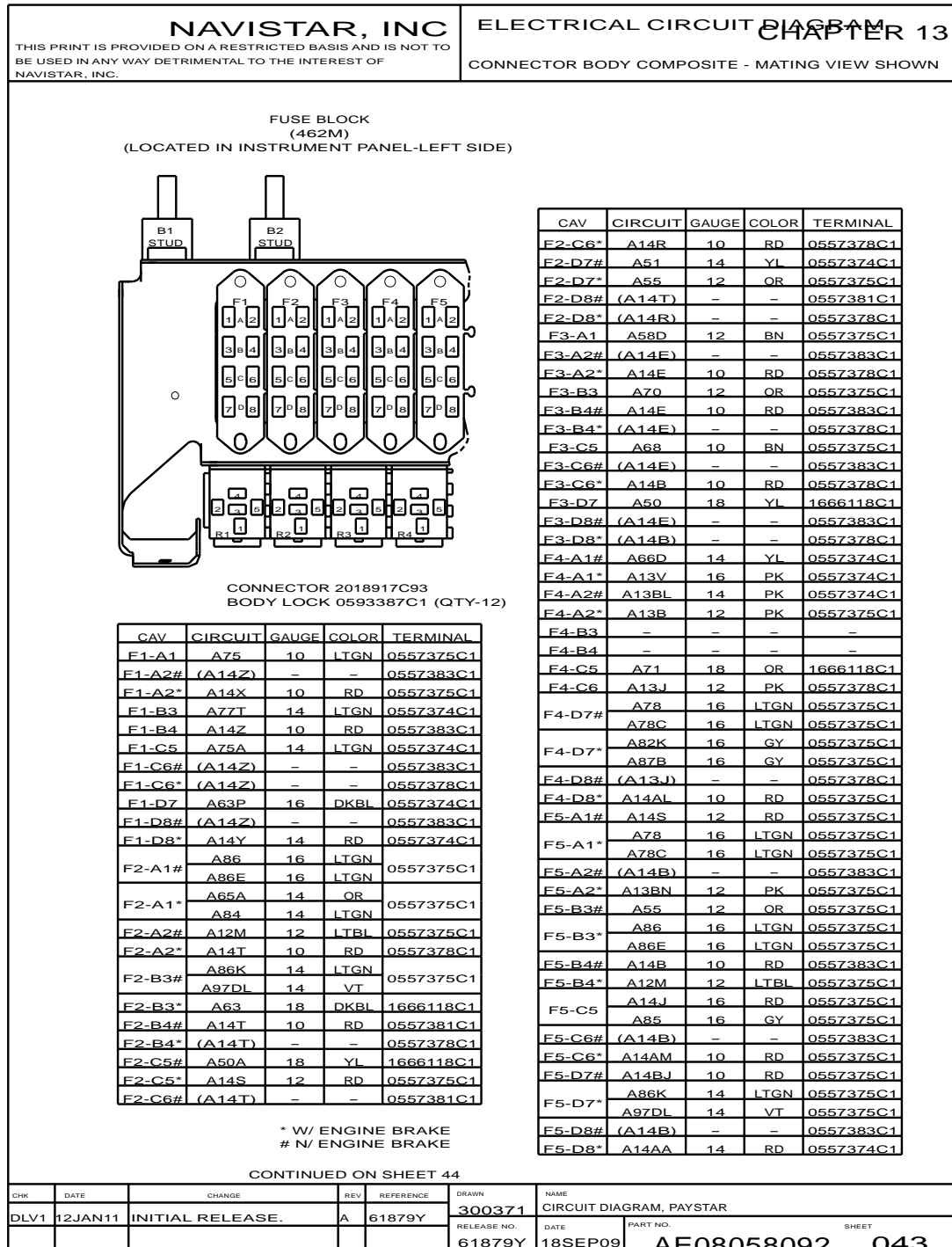


Figure 237 Connector Composites (462M)

13.51. CONNECTOR COMPOSITES (462M), P. 44

NAVISTAR, INC				ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13	
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CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
R1-1	A14S	12	RD	1661710C1
R1-2	A13-GA	18	WH	1659673C1
R1-3	-	-	-	-
R1-4	A13H	12	PK	1661710C1
R1-5	A13A	12	PK	1661710C1
R2-1	A75F	10	LTGN	1661710C1
R2-2&	A13-GA	18	WH	1661709C1
R2-2&	A75-GB	18	WH	1661709C1
R2-3	A75T	14	LTGN	1661709C1
R2-4	A75	10	LTGN	1661710C1
R2-5	A75H	14	LTGN	1661709C1
R3-1	A75D	14	LTGN	1661709C1
R3-2&	A75-GB	18	WH	1661709C1
R3-2&	A75-GC	18	WH	1661709C1
R3-3	-	-	-	-
R3-4	A75M	14	LTGN	1661709C1
R3-5	A75N	14	LTGN	1661709C1
R4-1	A51	14	YL	1661709C1
R4-2&	A50-GB	18	WH	1661709C1
R4-2&	A75-GC	18	WH	1661709C1
R4-3	-	-	-	-
R4-4	A51A	14	YL	1661709C1
R4-5&	A50B	18	YL	1661709C1
R4-5&	A66H	18	YL	1661709C1

& MUTUAL EXCLUSIVE

FUSE LOCATION	CAVITY	RATING IN AMP	PART NUMBER		DESCRIPTION
			FUSE	BREAKER	-
F1-A	1-2	30	0571691C1	-	-
F1-B	3-4	10	0131222C1	-	-
F1-C	5-6	20	0131224C1	-	-
F1-D	7-8	15	0509080C1	-	-
F2-A	1-2	15	0509080C1	-	-
F2-B	3-4	20	0131224C1	-	-
F2-C	5-6	10	-	2007463C1	-
F2-D	7-8	25	-	2007466C1	-
F3-A	1-2	20	0131224C1	-	-
F3-B	3-4	20	0131224C1	-	-
F3-C	5-6	30	0571691C1	-	-
F3-D	7-8	10	0131222C1	-	-
F4-A	1-2	10	0131222C1	-	-
F4-B	3-4	-	-	-	-
F4-C	5-6	10	0131222C1	-	-
F4-D	7-8	15	0509080C1	-	-
F5-A	1-2	30	0571691C1	-	-
F5-B	3-4	20	0131224C1	-	-
F5-C	5-6	15	0509080C1	-	-
F5-D	7-8	30	0571691C1	-	-

RELAY LOCATION	CAVITY	PART NUMBER	DESCRIPTION
R1	1, 2, 3, 4, 5	2012557C1	IGNITION RELAY
R2	1, 2, 3, 4, 5	2012557C1	HIGH SPEED RELAY
R3	1, 2, 3, 4, 5	2012557C1	MEDIUM HIGH SPEED RELAY
R4	1, 2, 3, 4, 5	2012557C1	HEADLIGHT RELAY

CONTINUED FROM SHEET 43

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
DLV1	12JAN11	INITIAL RELEASE.	A	61879Y	300371	CIRCUIT DIAGRAM, PAYSTAR
					RELEASE NO.	DATE
					61879Y	18SEP09
					PART NO.	SHEET
					AE08058092	044

Figure 238 Connector Composites (462M)

13.52. CONNECTOR COMPOSITES (463M), P. 45

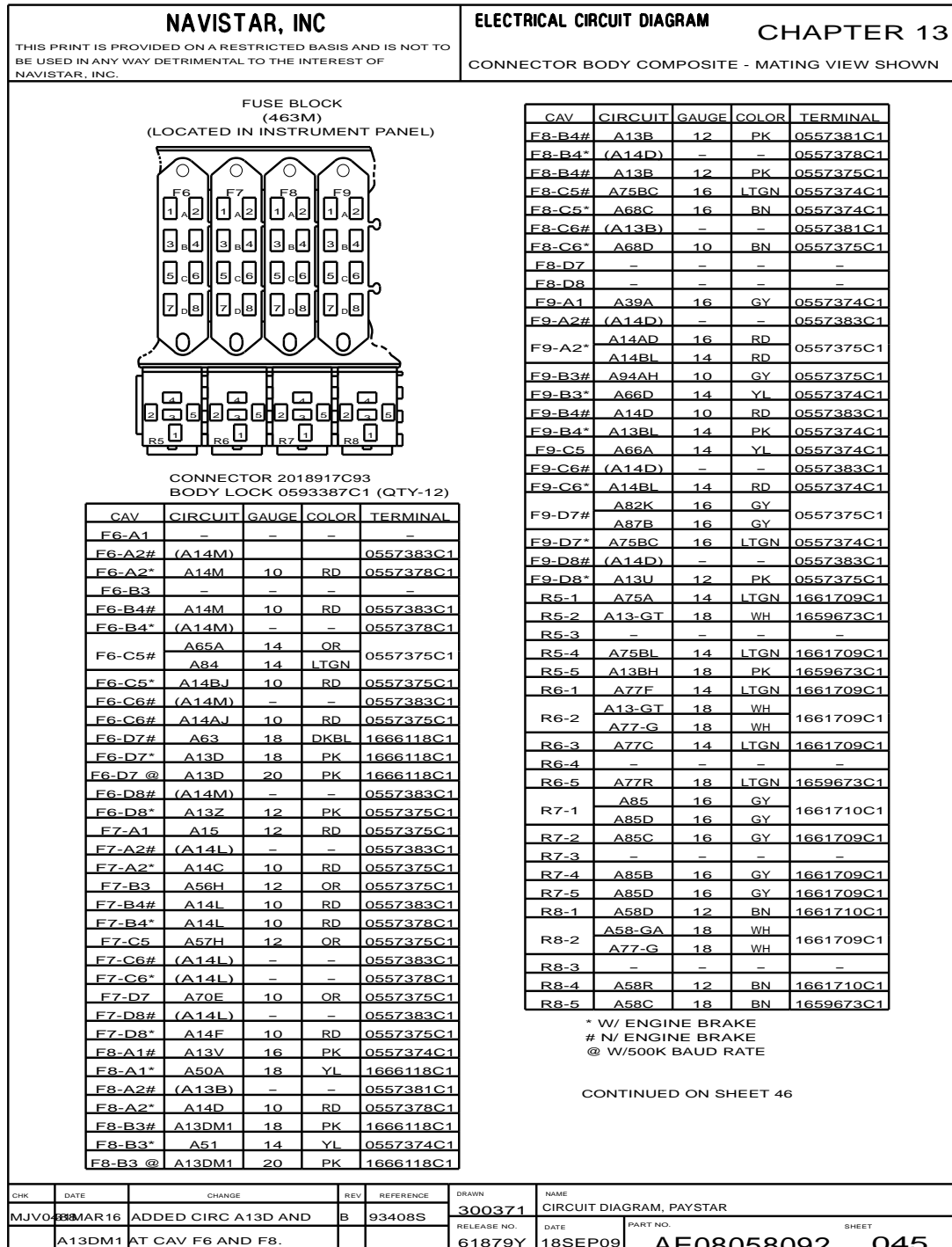


Figure 239 Connector Composites (463M)

13.53. CONNECTOR COMPOSITES (463M), P. 46

NAVISTAR, INC				ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13																																																																																																																														
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<table border="1" style="width: 100%; border-collapse: collapse; margin-bottom: 10px;"> <thead> <tr> <th rowspan="2">FUSE LOCATION</th> <th rowspan="2">CAVITY</th> <th rowspan="2">RATING IN AMP</th> <th colspan="2">PART NUMBER</th> <th rowspan="2">DESCRIPTION</th> </tr> <tr> <th>FUSE</th> <th>BREAKER</th> </tr> </thead> <tbody> <tr><td>F6-A</td><td>1-2</td><td>20</td><td>0131224C1</td><td>-</td><td>-</td></tr> <tr><td>F6-B</td><td>3-4</td><td>10</td><td>0131222C1</td><td>-</td><td>-</td></tr> <tr><td>F6-C</td><td>5-6</td><td>15</td><td>0509080C1</td><td>-</td><td>-</td></tr> <tr><td>F6-D</td><td>7-8</td><td>10</td><td>0131222C1</td><td>-</td><td>-</td></tr> <tr><td>F7-A</td><td>1-2</td><td>25</td><td>0131225C1</td><td>-</td><td>-</td></tr> <tr><td>F7-B</td><td>3-4</td><td>15</td><td>0509080C1</td><td>-</td><td>-</td></tr> <tr><td>F7-C</td><td>5-6</td><td>15</td><td>0509080C1</td><td>-</td><td>-</td></tr> <tr><td>F7-D</td><td>7-8</td><td>30</td><td>0571691C1</td><td>-</td><td>-</td></tr> <tr><td>F8-A</td><td>1-2</td><td>10</td><td>0131222C1</td><td>2007463C1</td><td>-</td></tr> <tr><td>F8-B</td><td>3-4</td><td>10</td><td>0131222C1</td><td>2007466C1</td><td>-</td></tr> <tr><td>F8-C</td><td>5-6</td><td>10</td><td>0131222C1</td><td>-</td><td>-</td></tr> <tr><td>F8-D</td><td>7-8</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>F9-A</td><td>1-2</td><td>15</td><td>0509080C1</td><td>-</td><td>-</td></tr> <tr><td>F9-B</td><td>3-4</td><td>30</td><td>0571691C1</td><td>-</td><td>-</td></tr> <tr><td>F9-C</td><td>5-6</td><td>15</td><td>0509080C1</td><td>-</td><td>-</td></tr> <tr><td>F9-D</td><td>7-8</td><td>15</td><td>-</td><td>2007464C1</td><td>-</td></tr> </tbody> </table> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>RELAY LOCATION</th> <th>CAVITY</th> <th>PART NUMBER</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td>R5</td> <td>1, 2, 3, 4, 5</td> <td>2012557C1</td> <td>MAIN CONTROL RELAY</td> </tr> <tr> <td>R6</td> <td>1, 2, 3, 4, 5</td> <td>2012557C1</td> <td>AC RELAY</td> </tr> <tr> <td>R7</td> <td>1, 2, 3, 4, 5</td> <td>2012557C1</td> <td>HORN RELAY</td> </tr> <tr> <td>R8</td> <td>1, 2, 3, 4, 5</td> <td>2012557C1</td> <td>TRAILER MARKER RELAY</td> </tr> </tbody> </table>							FUSE LOCATION	CAVITY	RATING IN AMP	PART NUMBER		DESCRIPTION	FUSE	BREAKER	F6-A	1-2	20	0131224C1	-	-	F6-B	3-4	10	0131222C1	-	-	F6-C	5-6	15	0509080C1	-	-	F6-D	7-8	10	0131222C1	-	-	F7-A	1-2	25	0131225C1	-	-	F7-B	3-4	15	0509080C1	-	-	F7-C	5-6	15	0509080C1	-	-	F7-D	7-8	30	0571691C1	-	-	F8-A	1-2	10	0131222C1	2007463C1	-	F8-B	3-4	10	0131222C1	2007466C1	-	F8-C	5-6	10	0131222C1	-	-	F8-D	7-8	-	-	-	-	F9-A	1-2	15	0509080C1	-	-	F9-B	3-4	30	0571691C1	-	-	F9-C	5-6	15	0509080C1	-	-	F9-D	7-8	15	-	2007464C1	-	RELAY LOCATION	CAVITY	PART NUMBER	DESCRIPTION	R5	1, 2, 3, 4, 5	2012557C1	MAIN CONTROL RELAY	R6	1, 2, 3, 4, 5	2012557C1	AC RELAY	R7	1, 2, 3, 4, 5	2012557C1	HORN RELAY	R8	1, 2, 3, 4, 5	2012557C1	TRAILER MARKER RELAY
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F8-D	7-8	-	-	-	-																																																																																																																													
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R5	1, 2, 3, 4, 5	2012557C1	MAIN CONTROL RELAY																																																																																																																															
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R7	1, 2, 3, 4, 5	2012557C1	HORN RELAY																																																																																																																															
R8	1, 2, 3, 4, 5	2012557C1	TRAILER MARKER RELAY																																																																																																																															
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Figure 240 Connector Composites (463M)

13.54. CONNECTOR COMPOSITES (464M), P. 47

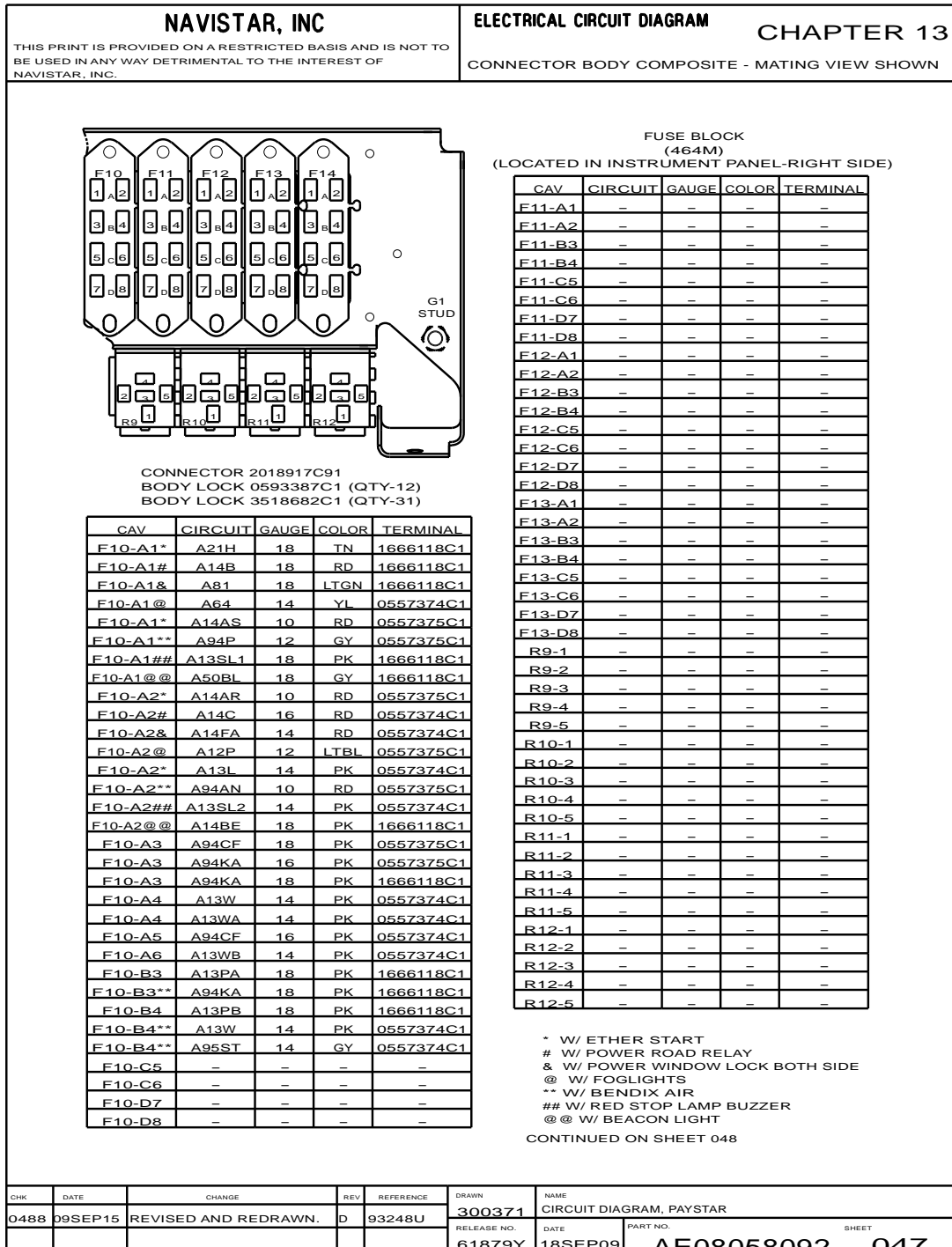


Figure 241 Connector Composites (464M)

13.55. CONNECTOR COMPOSITES (464M), P. 48

NAVISTAR, INC				ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13																																																																																																																																																						
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Figure 242 Connector Composites (464M)

13.56. CONNECTOR COMPOSITES (464M), P. 49

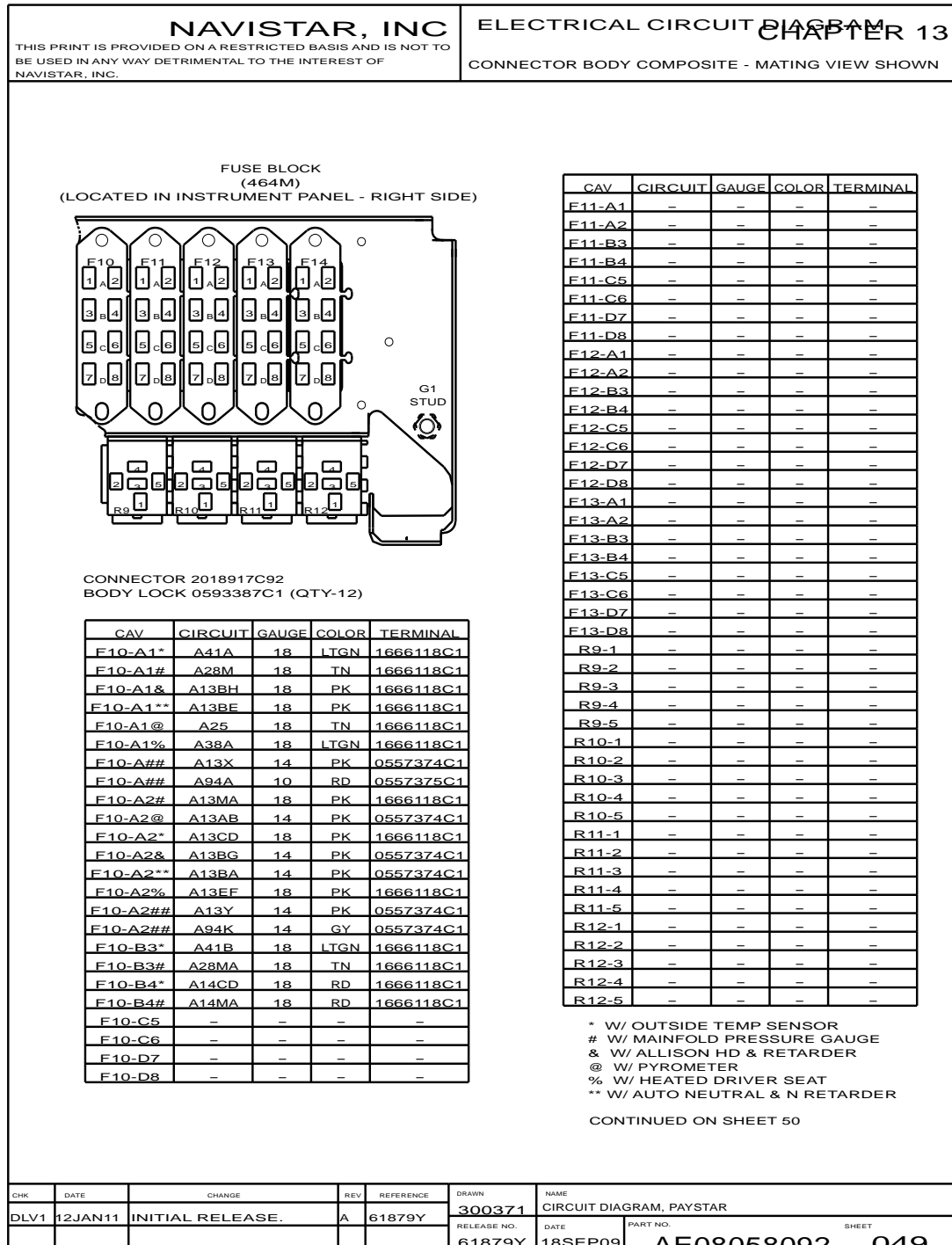


Figure 243 Connector Composites (464M)

13.57. CONNECTOR COMPOSITES (464M), P. 50

NAVISTAR, INC				ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13																																																																																																																																																						
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Figure 244 Connector Composites (464M)

13.58. CONNECTOR COMPOSITES (464M), P. 51

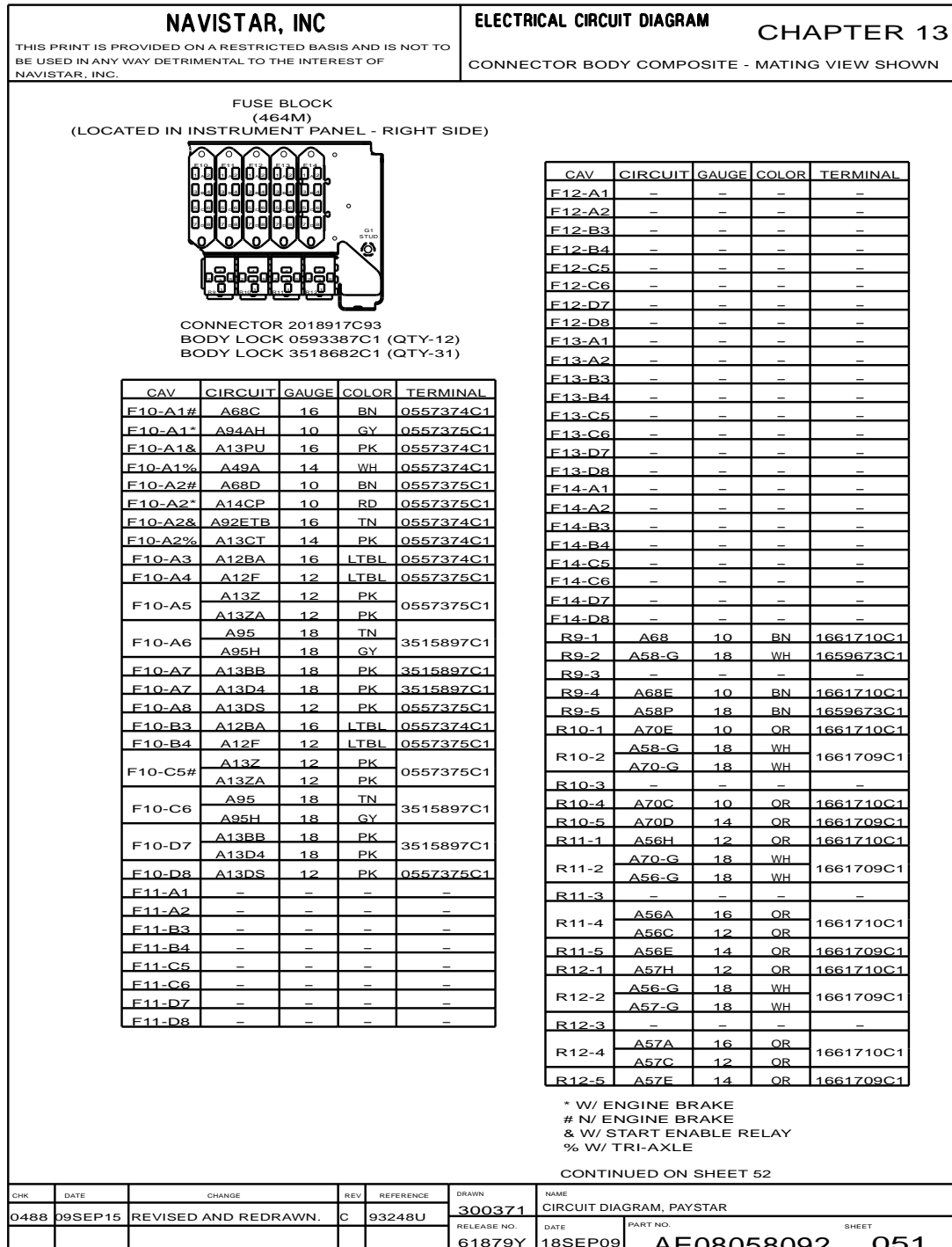


Figure 245 Connector Composites (464M)

13.59. CONNECTOR COMPOSITES (464M), P. 52

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Figure 246 Connector Composites (464M)

13.60. CONNECTOR COMPOSITES (465M / 466M / 468F / 469ML), P. 53

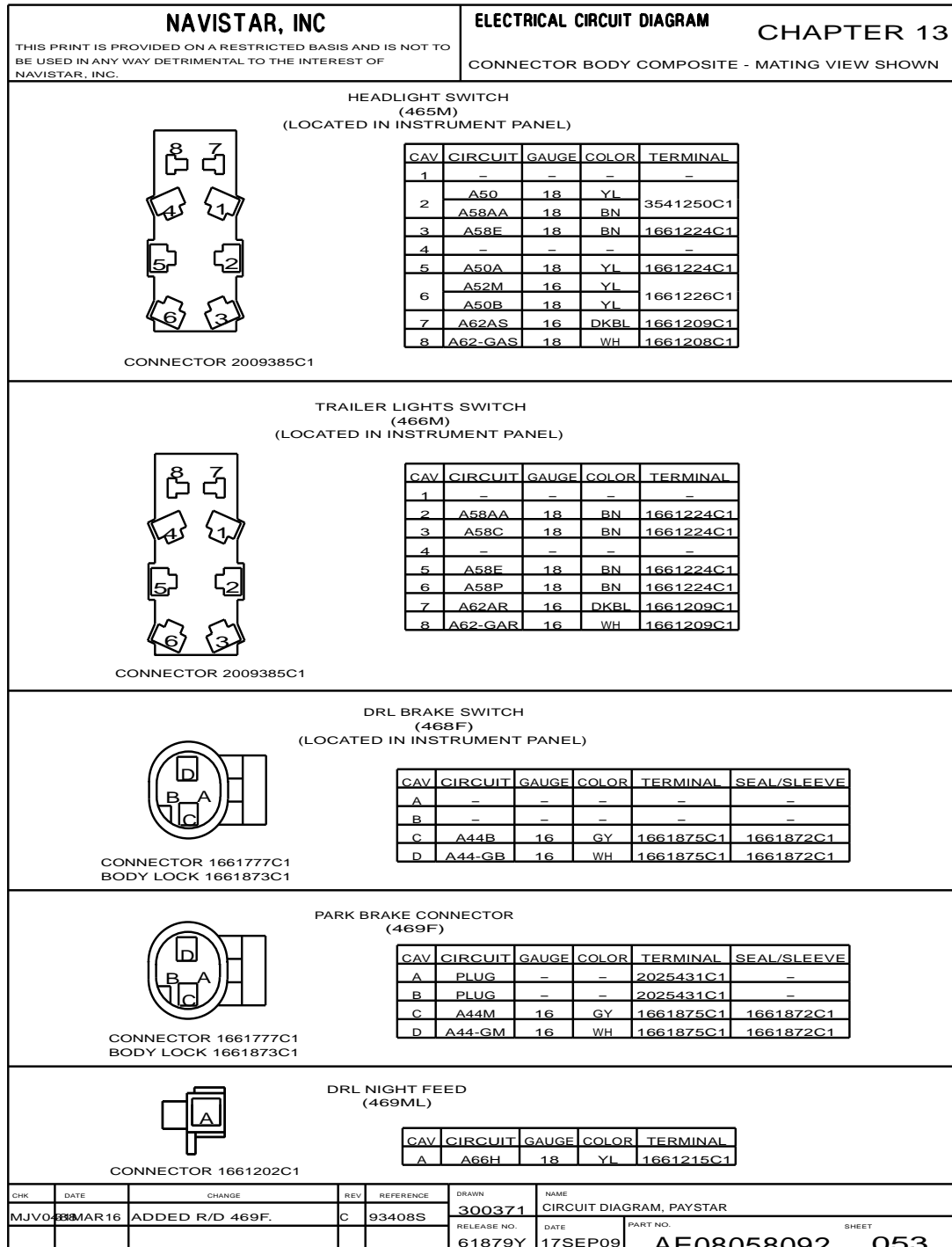


Figure 247 Connector Composites (465M / 466M / 468F / 469ML)

13.61. CONNECTOR COMPOSITES (471), P. 54

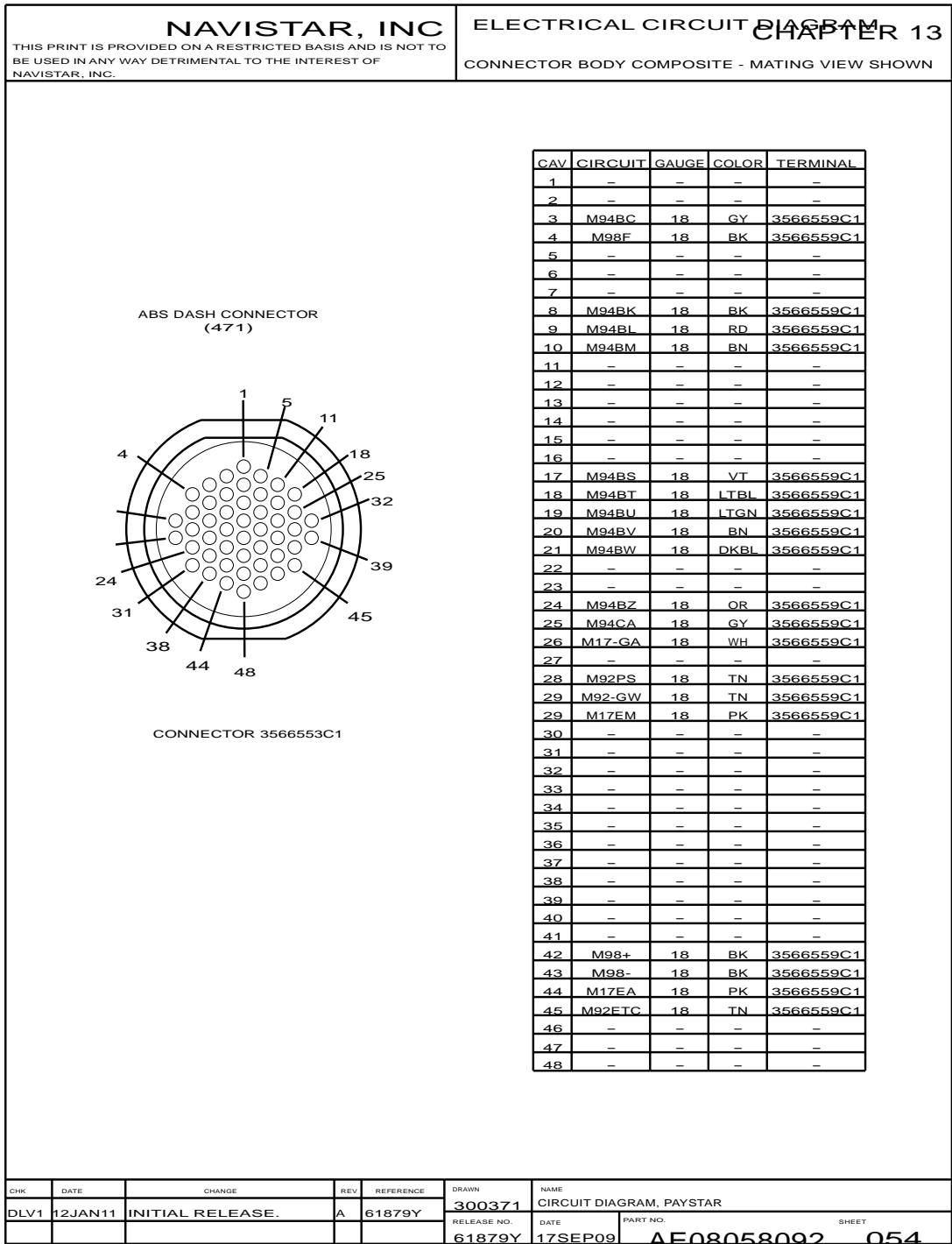


Figure 248 Connector Composites (471)

13.62. CONNECTOR COMPOSITES (471), P. 55

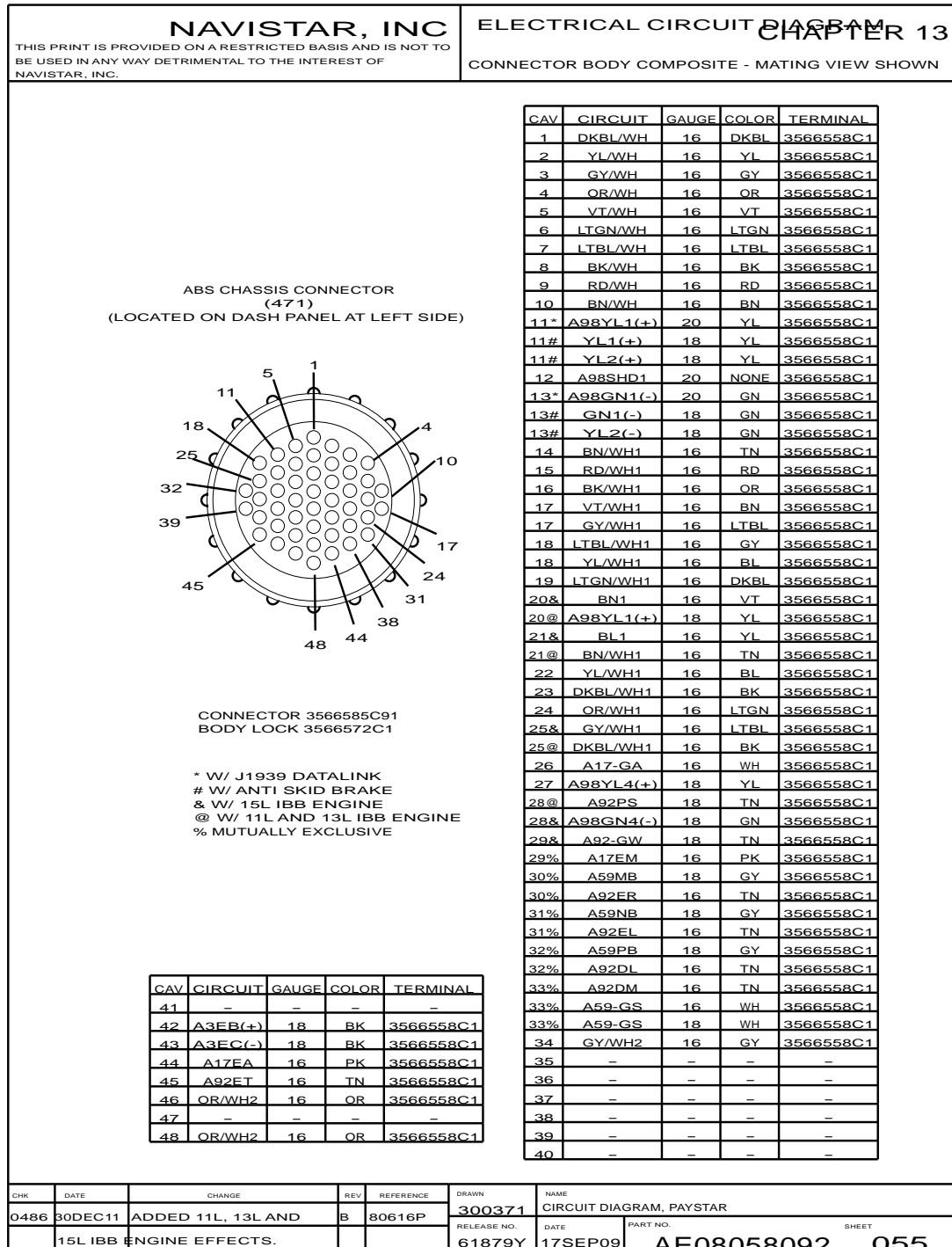


Figure 249 Connector Composites (471)

13.63. CONNECTOR COMPOSITES (471), P. 55A

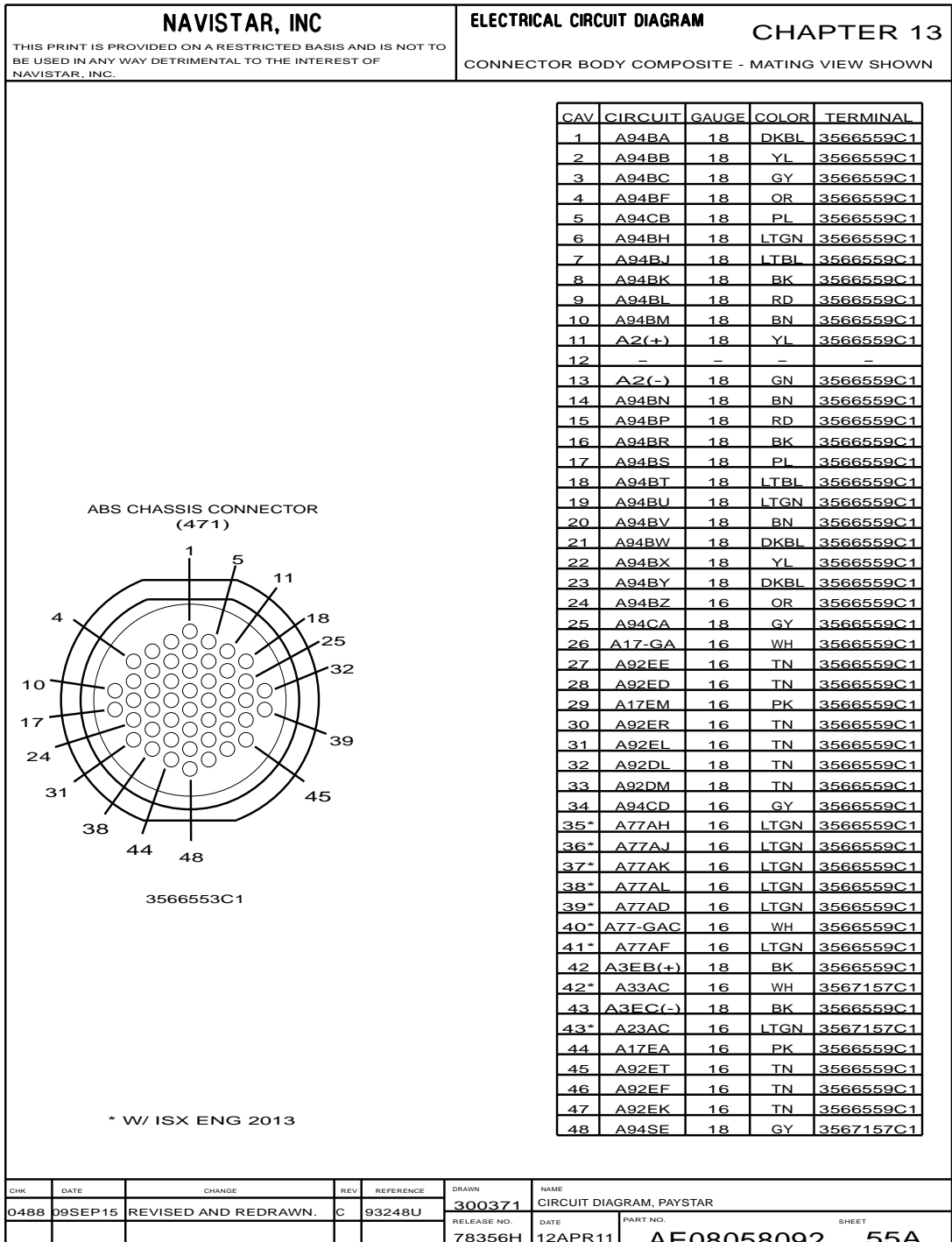


Figure 250 Connector Composites (471)

13.64. CONNECTOR COMPOSITES (471), P. 55B

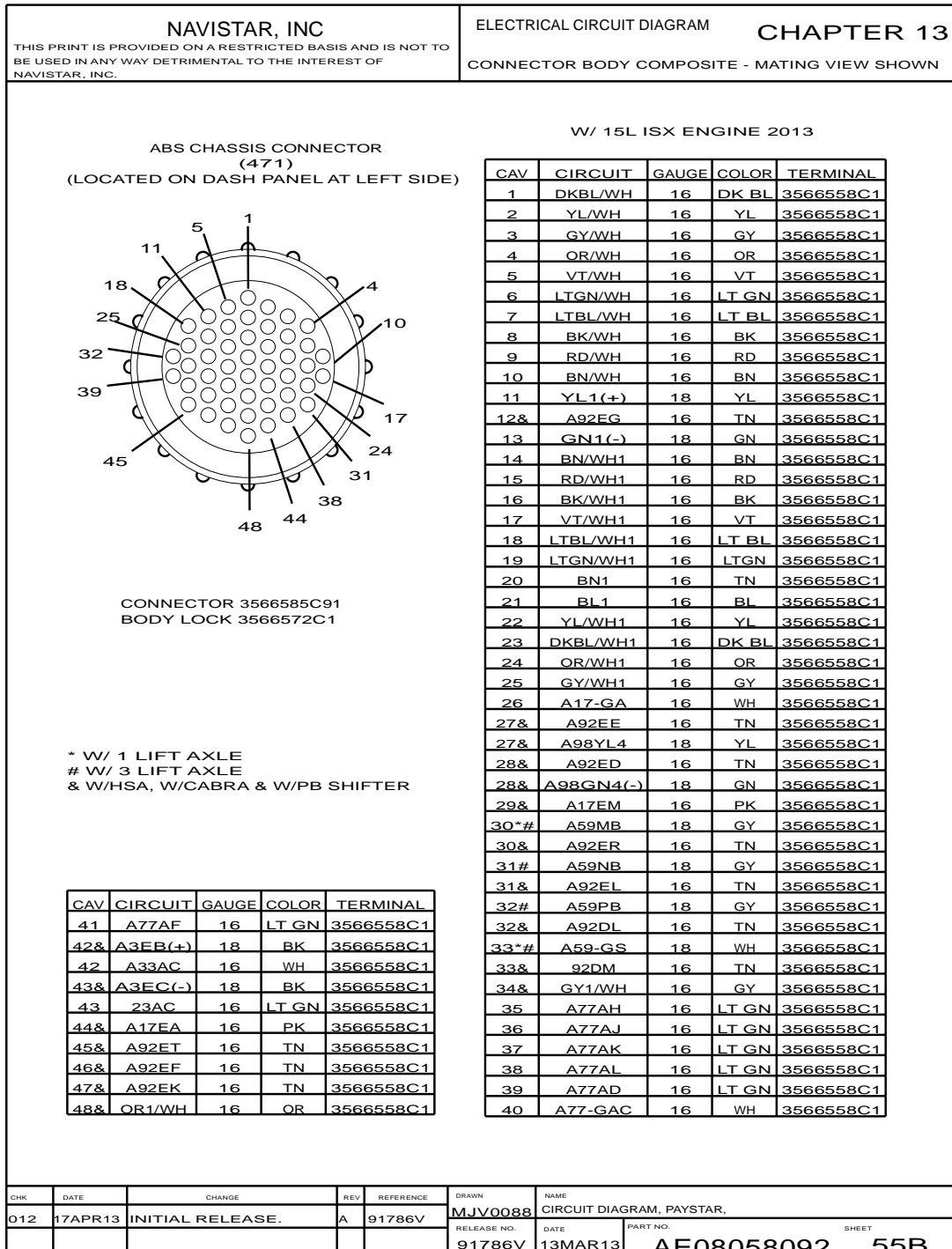


Figure 251 Connector Composites (471)

13.65. CONNECTOR COMPOSITES (471A), P. 55C

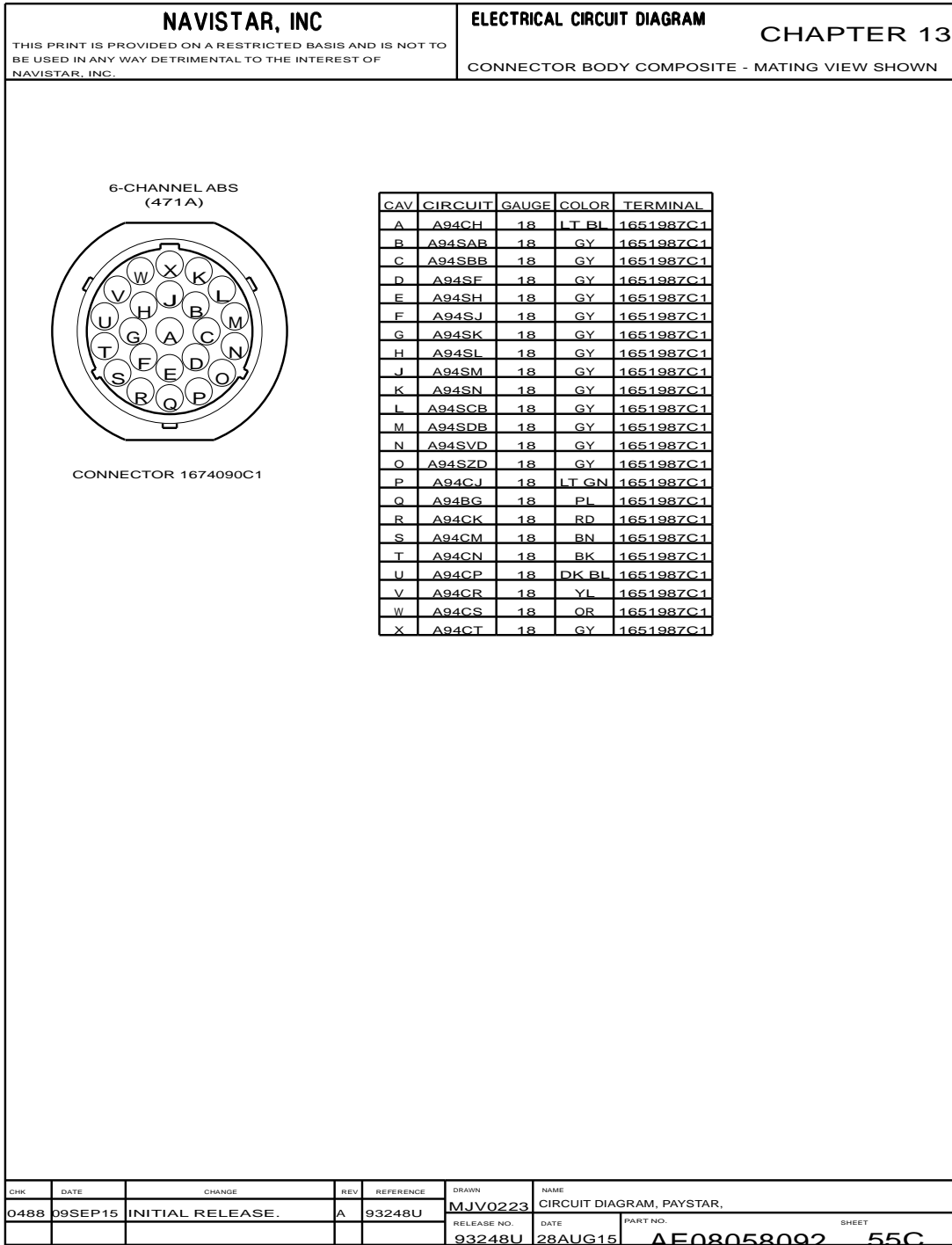


Figure 252 Connector Composites (471A)

13.66. CONNECTOR COMPOSITES (471AF / 480F / 480M / 481M / 482M / 489), P. 56

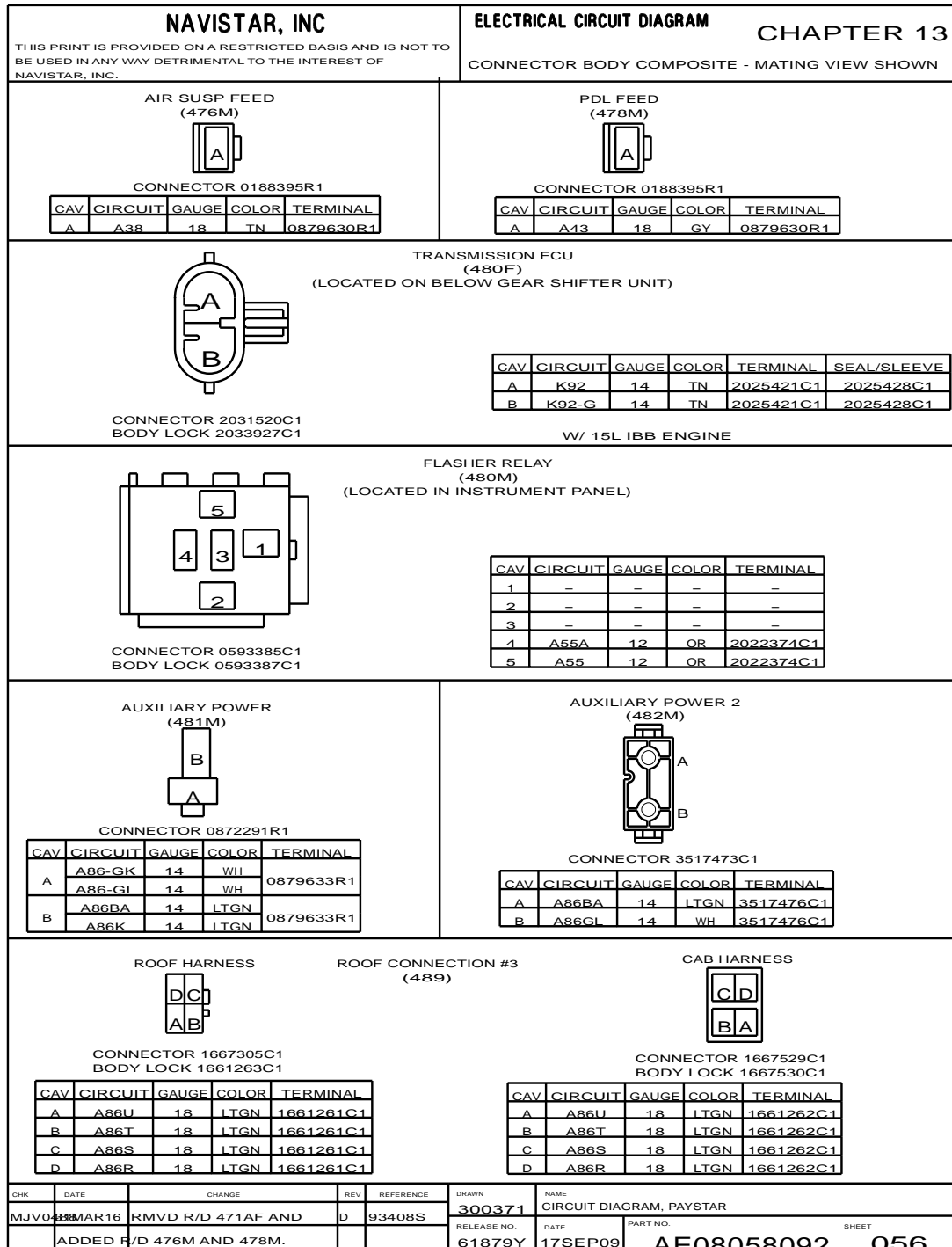


Figure 253 Connector Composites (471AF / 480F / 480M / 481M / 482M / 489)

13.67. CONNECTOR COMPOSITES (491F / 492M / 494M), P. 57

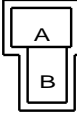
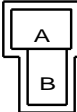


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K**	A13MA	18	PK	1661208C1																																																																																		
CONNECTOR 2007315C1 BODY LOCK 2007316C1				% W/ OUTSIDE TEMPERATURE SENSOR * W/ ENGINE BRAKE # N/ ENGINE BRAKE ## W/ ISX ENGINE @ W/ ETHER START ** W/ MANIFOLD PRESSURE GUAGE & MUTUAL EXCLUSIVE @@ W/500K BAUD RATE																																																																																		
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					RELEASE NO.	DATE	PART NO.	SHEET																																																																														
					61879Y	17SEP09	AE08058092	057																																																																														

Figure 254 Connector Composites (491F / 492M / 494M)

13.68. CONNECTOR COMPOSITES (495M / 497M), P. 58

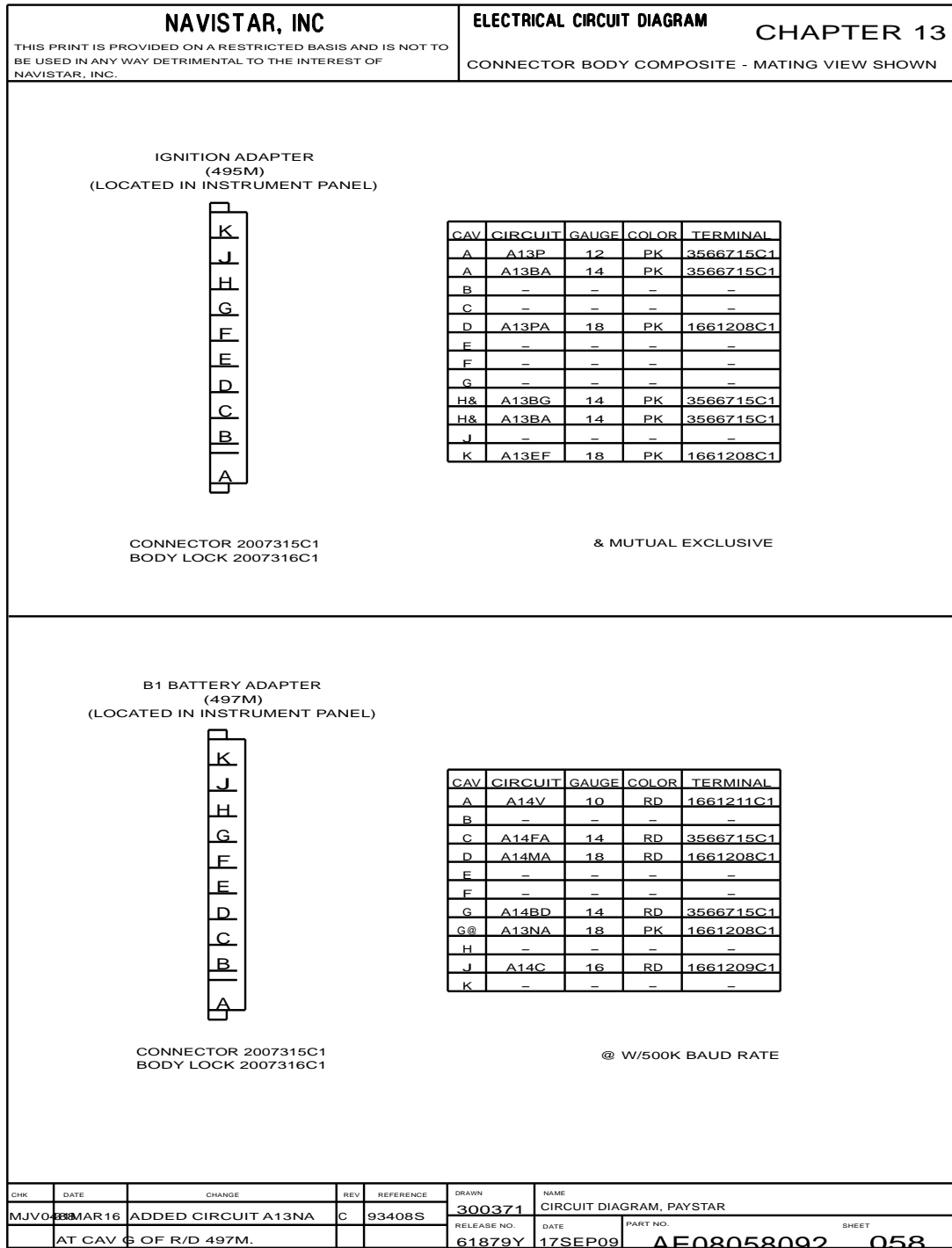


Figure 255 Connector Composites (495M / 497M)

13.69. CONNECTOR COMPOSITES (498M / 499M), P. 59

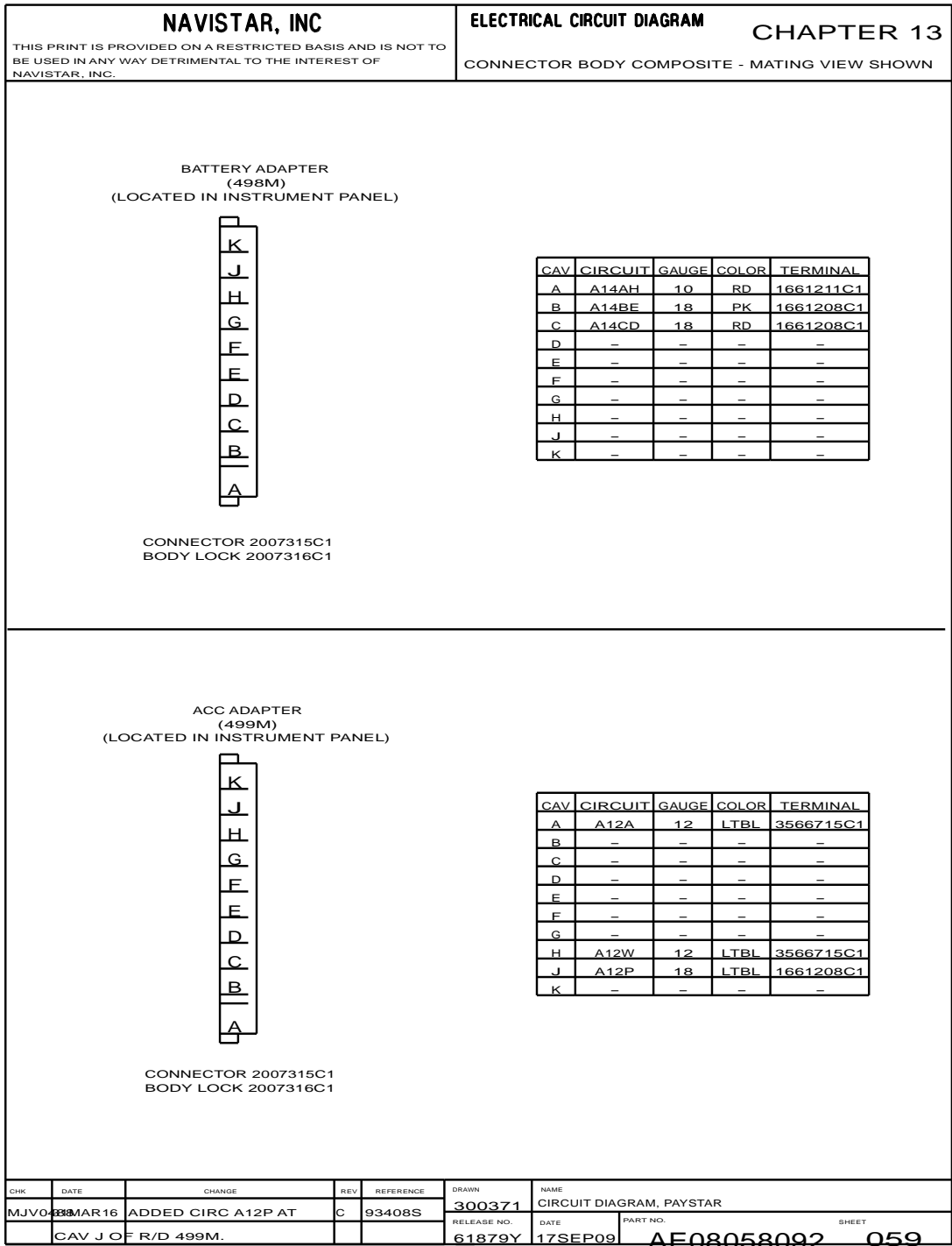


Figure 256 Connector Composites (498M / 499M)

13.70. CONNECTOR COMPOSITES (501M / 503M), P. 60

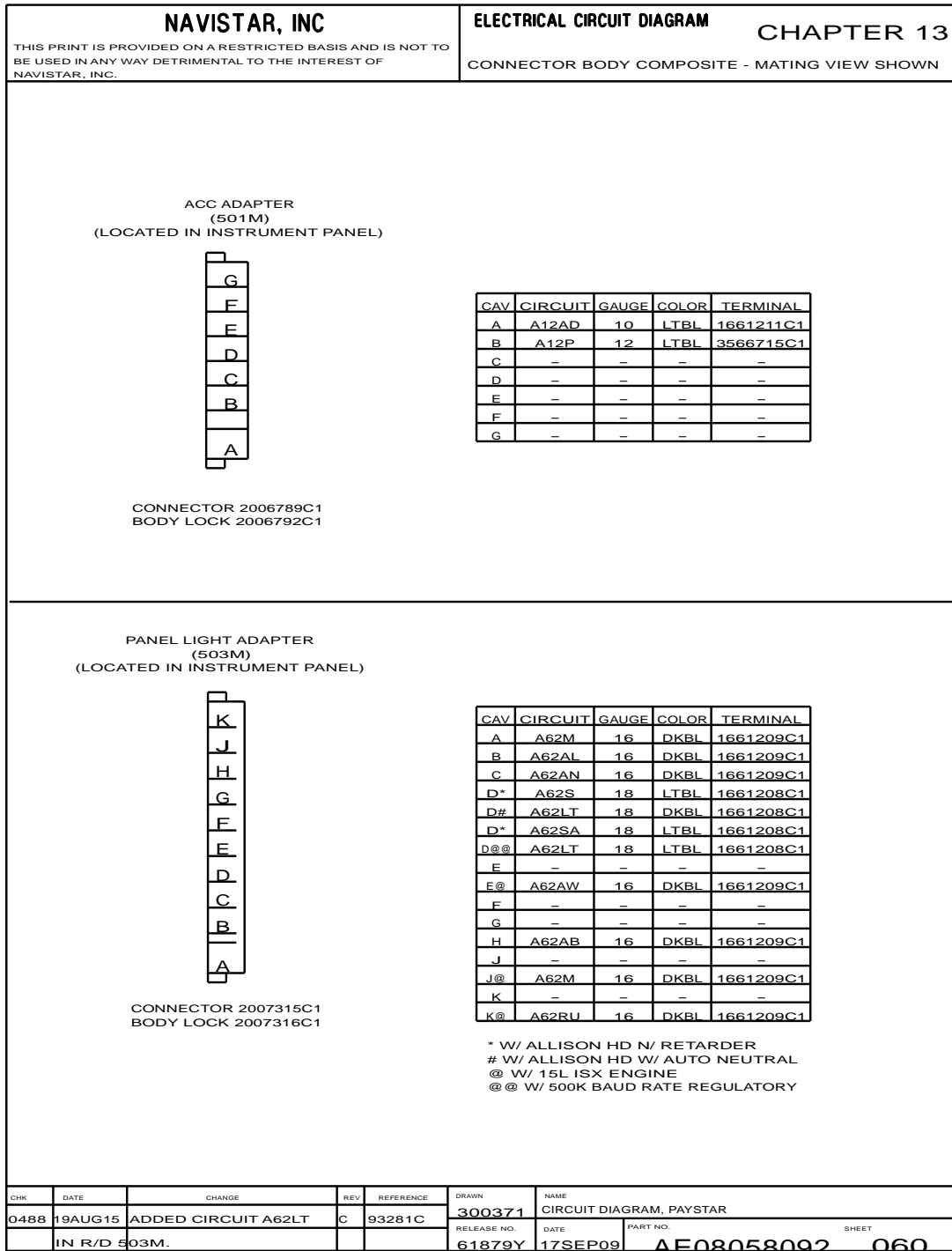
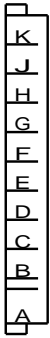


Figure 257 Connector Composites (501M / 503M)

13.71. CONNECTOR COMPOSITES (504M / 506M), P. 61

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PANEL LIGHT ADAPTER
(504M)
(LOCATED IN INSTRUMENT PANEL)




CONNECTOR 2007315C1
BODY LOCK 2007316C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A	A62AE	16	DKBL	1661209C1
B*	A62MSM	16	DKBL	1661209C1
B@	A62EA	18	DKBL	1661208C1
B&	A92P	16	TN	1661209C1
C	A62AK	16	DKBL	1661209C1
C	A62AV	16	DKBL	1661209C1
D#	A62MSM	16	DKBL	1661209C1
D*	A62MSP	16	DKBL	1661209C1
D##	A62A	16	DKBL	1661209C1
E#	A62MSP	16	DKBL	1661209C1
E%	A62AW	16	DKBL	1661209C1
F	-	-	-	-
G	A62AJ	16	DKBL	1661209C1
G**	A62PLF	18	DKBL	1661208C1
H	A62U	16	DKBL	1661209C1
J	-	-	-	-
K	A62AY	16	DKBL	1661209C1

* W/ ENGINE BRAKE
N/ ENGINE BRAKE
@ W/ POWER ROAD RELAY
% W/ SINGLE AXIS MIRROR
& W/ EATON GEAR DISPLAY
** W/ BEACON LIGHT
W/ TRI-AXLE

PANEL GROUND ADAPTER
(506M)
(LOCATED IN INSTRUMENT PANEL)



CONNECTOR 2007315C1
BODY LOCK 2007316C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A	A11-GP	12	WH	3566715C1
B	A62-GMS	18	WH	1661208C1
C	A62-HMS	18	WH	1661208C1
D	A92MA	16	TN	1661209C1
F	-	-	-	-
F	A62GA	14	WH	1661209C1
G	-	-	-	-
H	A11-GAL	18	WH	1661208C1
J	-	-	-	-
K	A62-GAY	18	WH	1661208C1

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
0488	09SEP15	ADDED CIRC A62AK IN	D	93248U	300371	CIRCUIT DIAGRAM, PAYSTAR
	R/D 504M.				RELEASE NO. 61879Y	DATE 17SEP09
					PART NO. AE08058092	SHEET 061

Figure 258 Connector Composites (504M / 506M)

13.72. CONNECTOR COMPOSITES (509M / 511M / 512F), P. 62

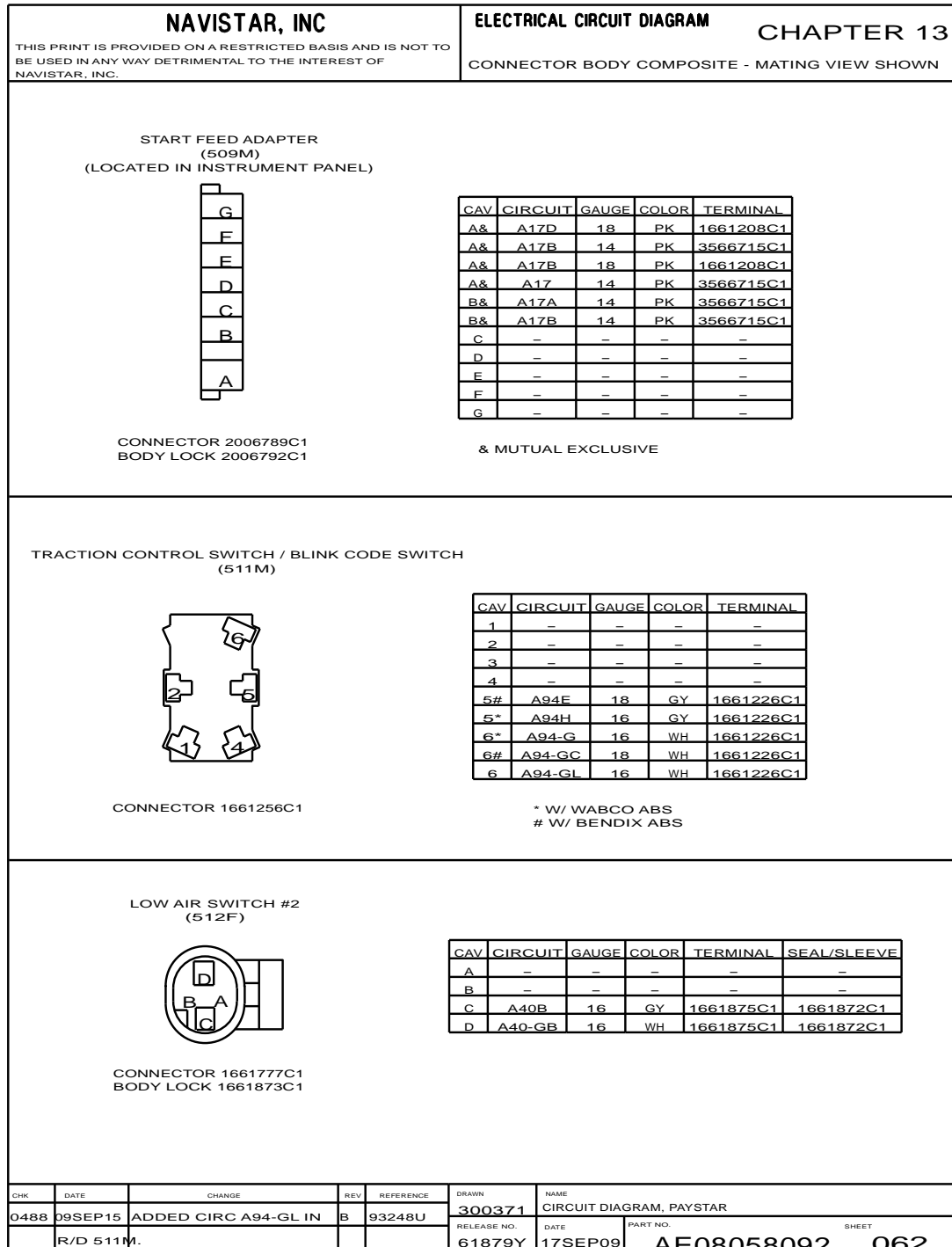


Figure 259 Connector Composites (509M / 511M / 512F)

13.73. CONNECTOR COMPOSITES (513M / 514M), P. 63

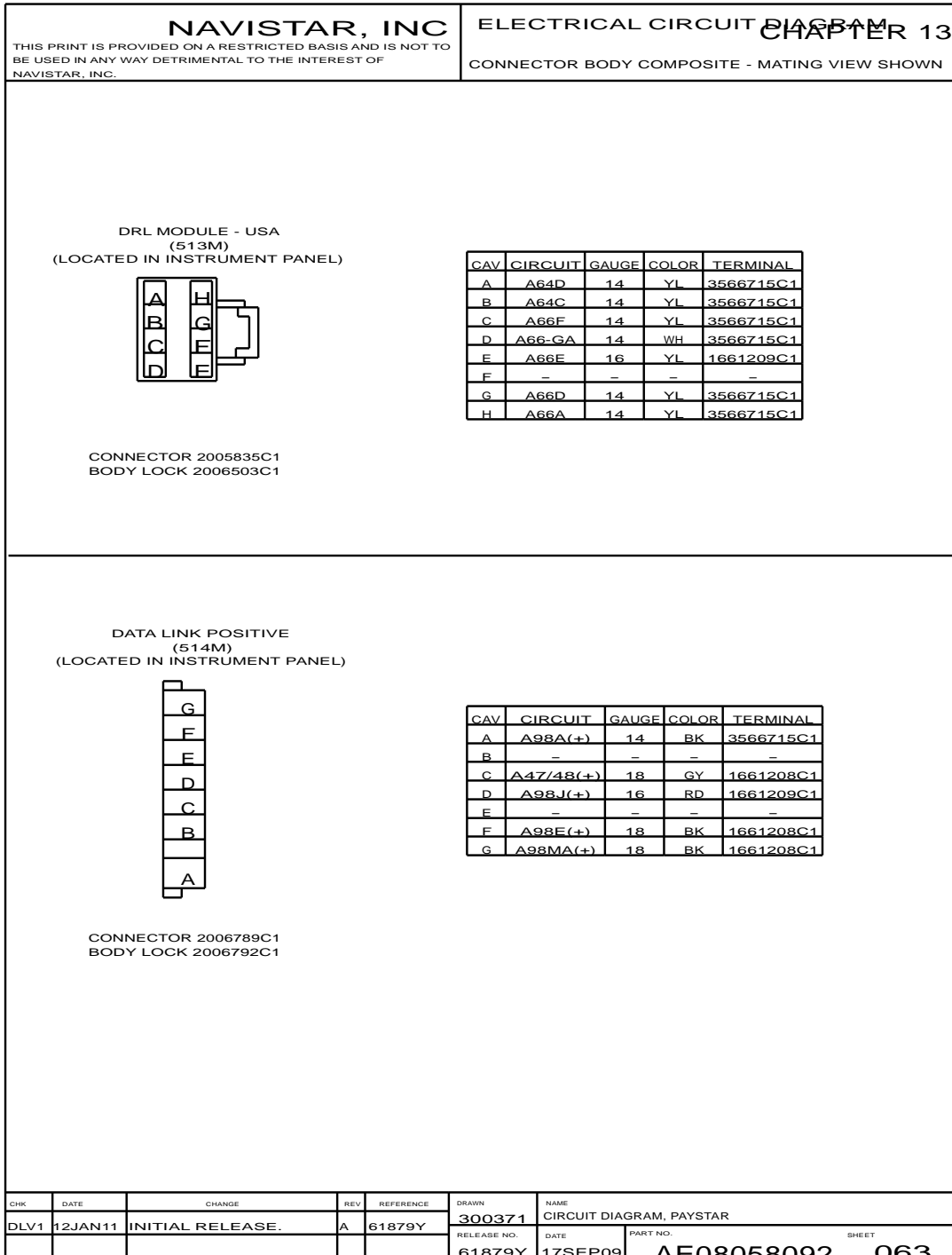


Figure 260 Connector Composites (513M / 514M)

13.74. CONNECTOR COMPOSITES (515M / 517M / 520 / 521), P. 64

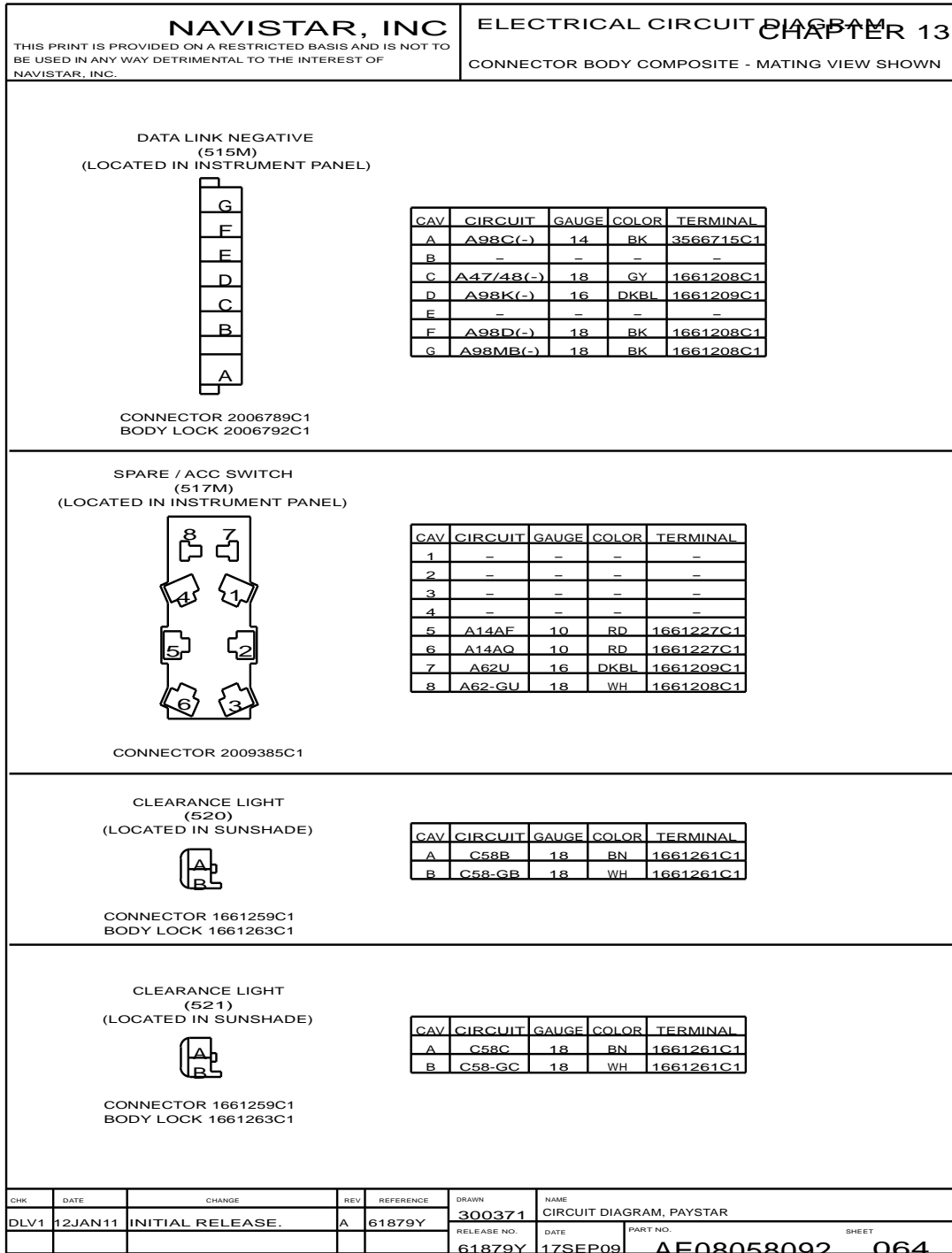


Figure 261 Connector Composites (515M / 517M / 520 / 521)

13.75. CONNECTOR COMPOSITES (522 / 523 / 524 / 528 / 529), P. 65

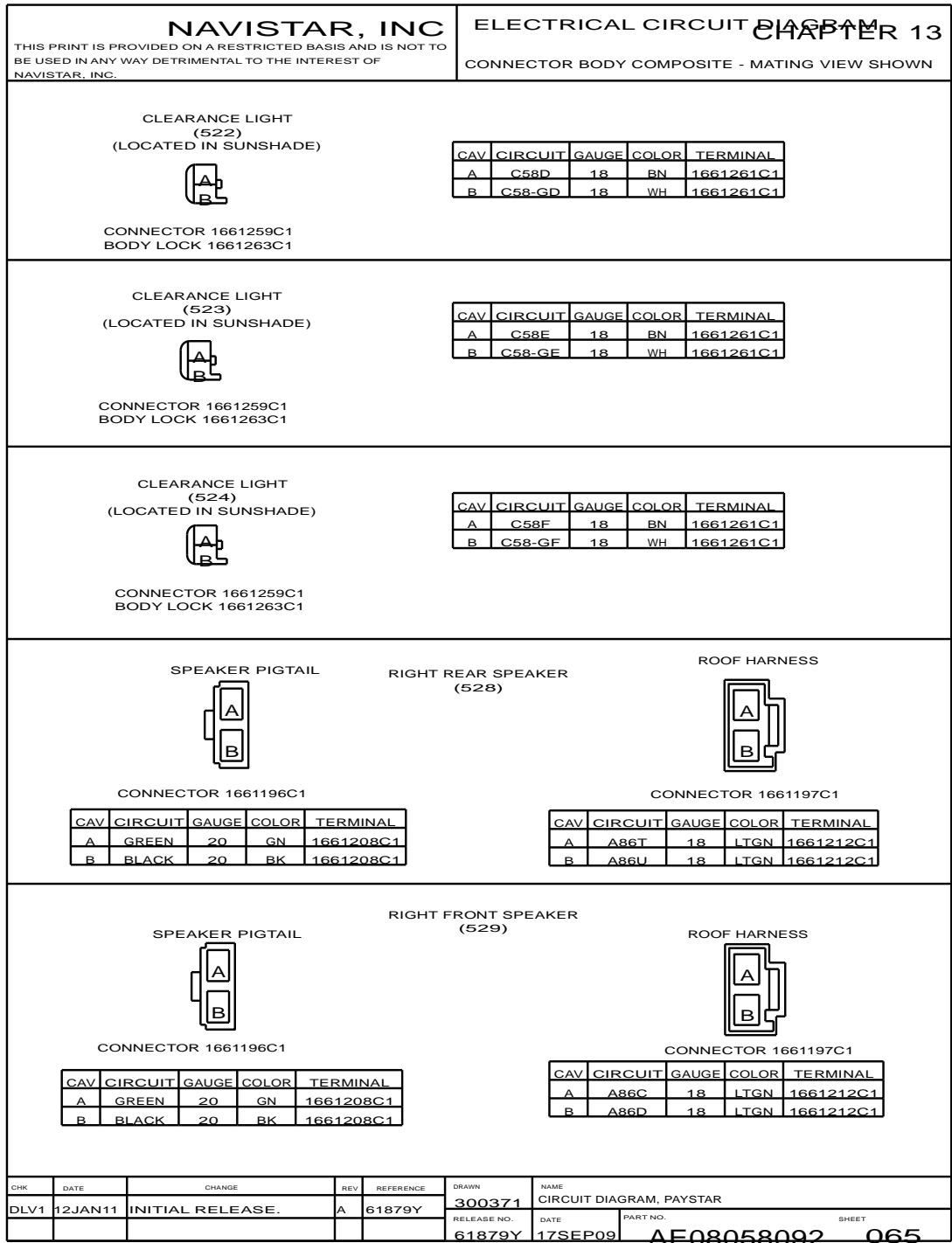


Figure 262 Connector Composites (522 / 523 / 524 / 528 / 529)

13.76. CONNECTOR COMPOSITES (530 / 531 / 562M / 600M), P. 66

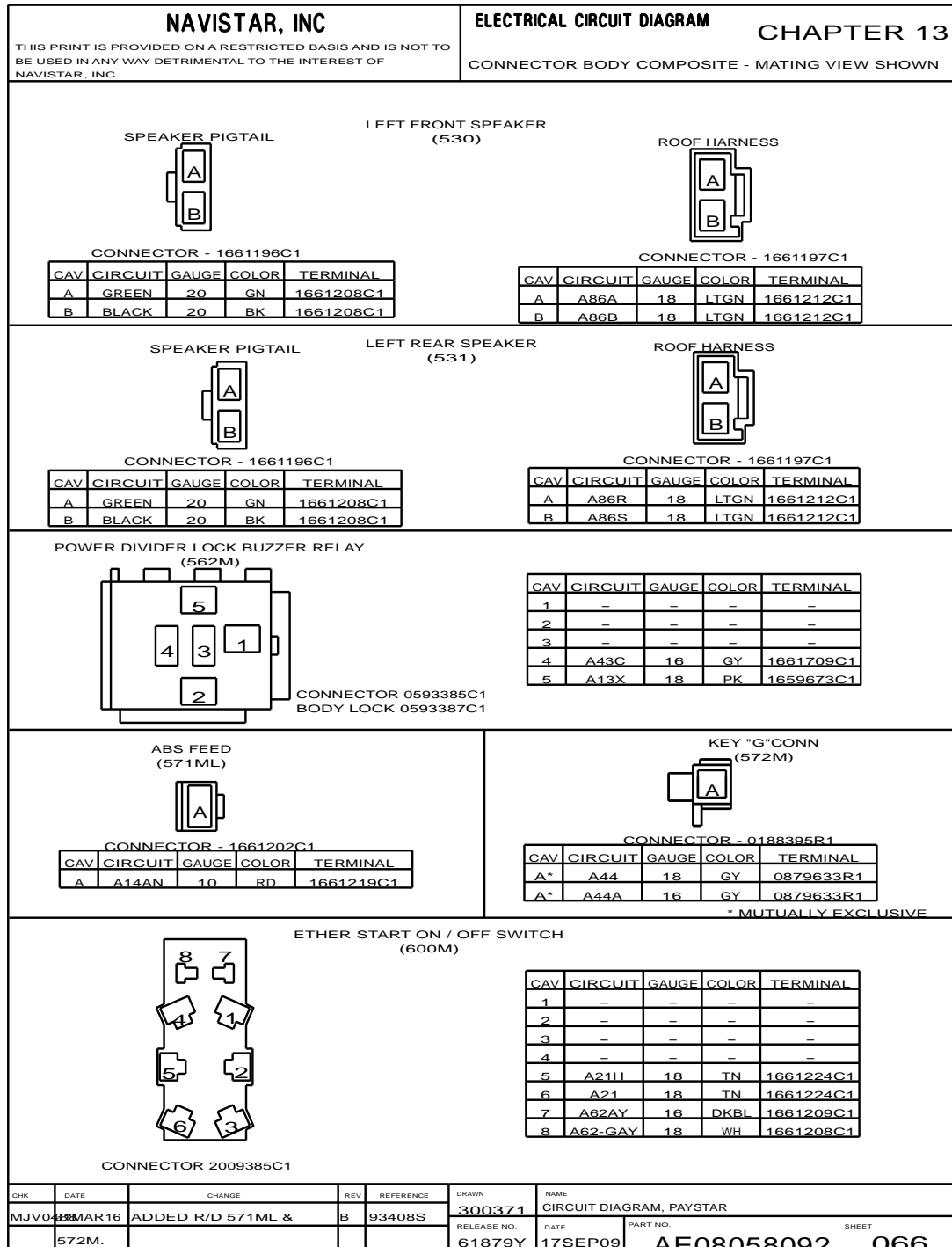


Figure 263 Connector Composites (530 / 531 / 562M / 600M)

13.77. CONNECTOR COMPOSITES (608 / 640 / 649M / 659M / 662M / 665B), P. 67

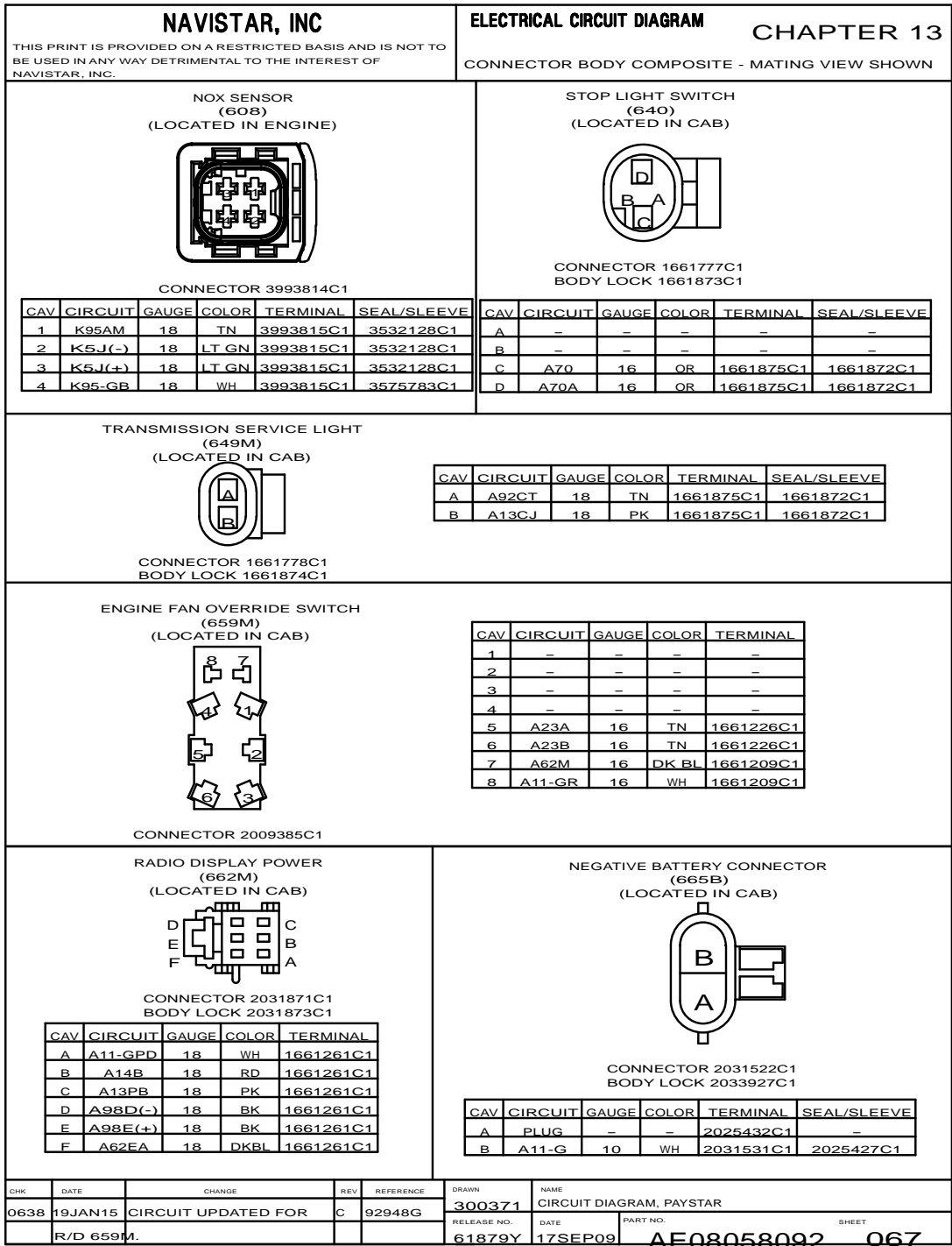


Figure 264 Connector Composites (608 / 640 / 649M / 659M / 662M / 665B)

13.78. CONNECTOR COMPOSITES (668M / 670 / 670A), P. 67A

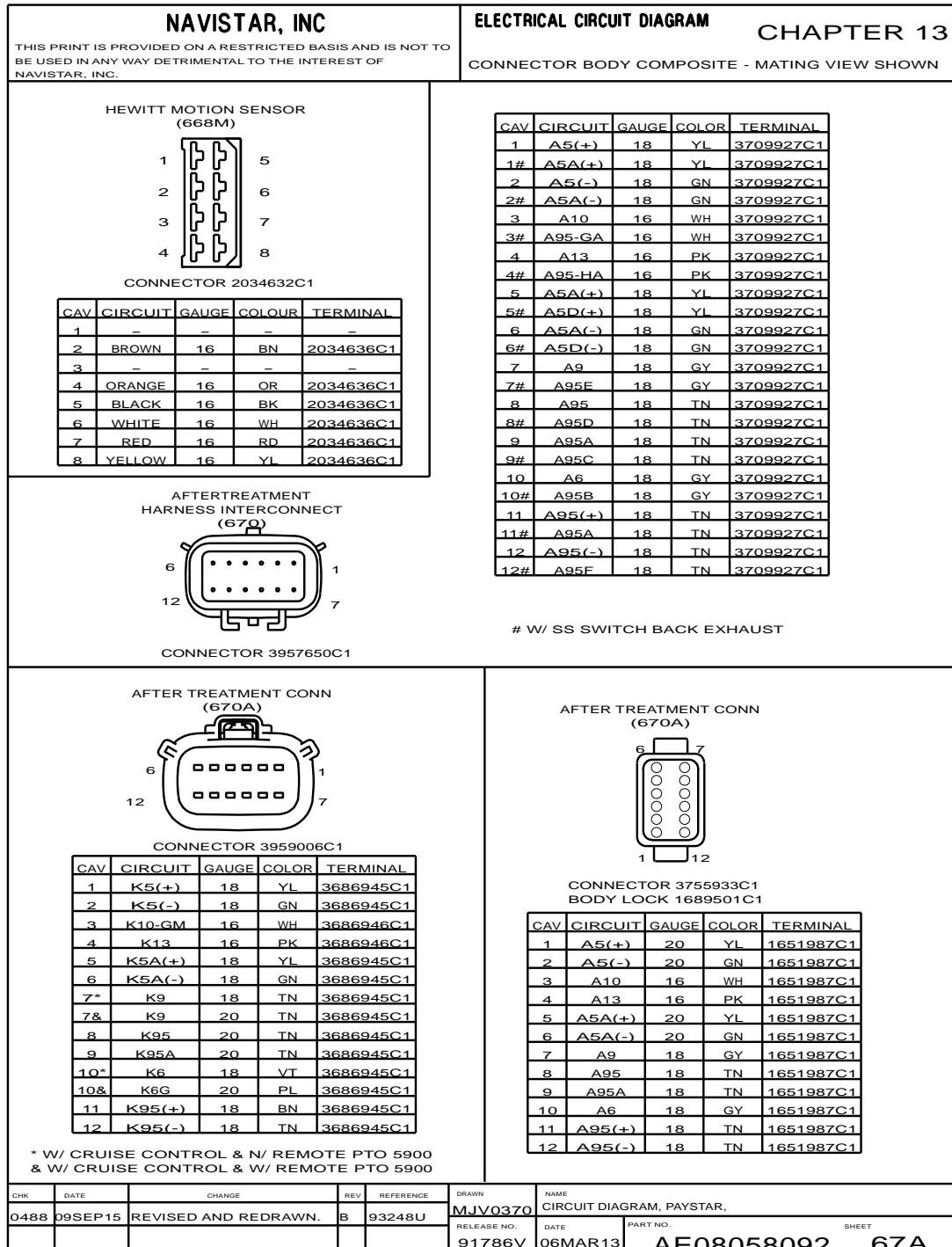


Figure 265 Connector Composites (668M / 670 / 670A)

13.79. CONNECTOR COMPOSITES (670G / *671 / 671A / 672 / 673), P. 67B

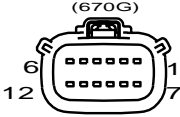
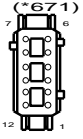
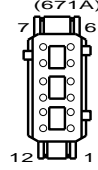
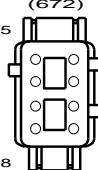

NAVISTAR, INC <small>THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF NAVISTAR, INC.</small>		ELECTRICAL CIRCUIT DIAGRAM		CHAPTER 13																																																																																																																																												
CONNECTOR BODY COMPOSITE - MATING VIEW SHOWN																																																																																																																																																
AFTER TREATMENT CONN (670G)  CONNECTOR 3959006C1		SCR SENSOR TABLE (*671)  CONNECTOR 3989896C1 BODY LOCK 3553460C1																																																																																																																																														
<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>1</td><td>K5(+)</td><td>18</td><td>YL</td><td>3686945C1</td></tr> <tr><td>2</td><td>K5(-)</td><td>18</td><td>LT GN</td><td>3686945C1</td></tr> <tr><td>3</td><td>K10-GM</td><td>16</td><td>WH</td><td>3686946C1</td></tr> <tr><td>4</td><td>K13</td><td>16</td><td>PK</td><td>3686946C1</td></tr> <tr><td>5</td><td>K5A(+)</td><td>18</td><td>YL</td><td>3686945C1</td></tr> <tr><td>6</td><td>K5A(-)</td><td>18</td><td>LT GN</td><td>3686945C1</td></tr> <tr><td>7</td><td>K9#</td><td>18</td><td>TN</td><td>3686945C1</td></tr> <tr><td>7</td><td>K9@</td><td>20</td><td>TN</td><td>3686945C1</td></tr> <tr><td>8</td><td>K95</td><td>20</td><td>TN</td><td>3686945C1</td></tr> <tr><td>9</td><td>K95A</td><td>20</td><td>TN</td><td>3686945C1</td></tr> <tr><td>10</td><td>K6#</td><td>18</td><td>VT</td><td>3686945C1</td></tr> <tr><td>10</td><td>K6G@</td><td>20</td><td>PK</td><td>3686945C1</td></tr> <tr><td>11</td><td>K95(+)</td><td>18</td><td>BN</td><td>3686945C1</td></tr> <tr><td>12</td><td>K95(-)</td><td>18</td><td>TN</td><td>3686945C1</td></tr> </tbody> </table>		CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	1	K5(+)	18	YL	3686945C1	2	K5(-)	18	LT GN	3686945C1	3	K10-GM	16	WH	3686946C1	4	K13	16	PK	3686946C1	5	K5A(+)	18	YL	3686945C1	6	K5A(-)	18	LT GN	3686945C1	7	K9#	18	TN	3686945C1	7	K9@	20	TN	3686945C1	8	K95	20	TN	3686945C1	9	K95A	20	TN	3686945C1	10	K6#	18	VT	3686945C1	10	K6G@	20	PK	3686945C1	11	K95(+)	18	BN	3686945C1	12	K95(-)	18	TN	3686945C1	<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>1</td><td>PLUG</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>2</td><td>PLUG</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>3</td><td>PLUG</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>4</td><td>PLUG</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>5</td><td>PLUG</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>6</td><td>PLUG</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>7</td><td>A5B(+)</td><td>18</td><td>YL</td><td>3989895C1</td></tr> <tr><td>8</td><td>A5B(-)</td><td>18</td><td>GN</td><td>3989895C1</td></tr> <tr><td>9</td><td>A10A</td><td>18</td><td>WH</td><td>3989895C1</td></tr> <tr><td>10</td><td>A13A</td><td>18</td><td>PK</td><td>3989895C1</td></tr> <tr><td>11</td><td>A5(+)</td><td>18</td><td>YL</td><td>3989895C1</td></tr> <tr><td>12</td><td>A5(-)</td><td>18</td><td>GN</td><td>3989895C1</td></tr> </tbody> </table> <p style="font-size: small;">* W/ 2010 SCR 13L ENG</p>			CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	1	PLUG	-	-	-	2	PLUG	-	-	-	3	PLUG	-	-	-	4	PLUG	-	-	-	5	PLUG	-	-	-	6	PLUG	-	-	-	7	A5B(+)	18	YL	3989895C1	8	A5B(-)	18	GN	3989895C1	9	A10A	18	WH	3989895C1	10	A13A	18	PK	3989895C1	11	A5(+)	18	YL	3989895C1	12	A5(-)	18	GN	3989895C1
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Figure 266 Connector Composites (670G / *671 / 671A / 672 / 673)

13.80. CONNECTOR COMPOSITES (674), P. 67C

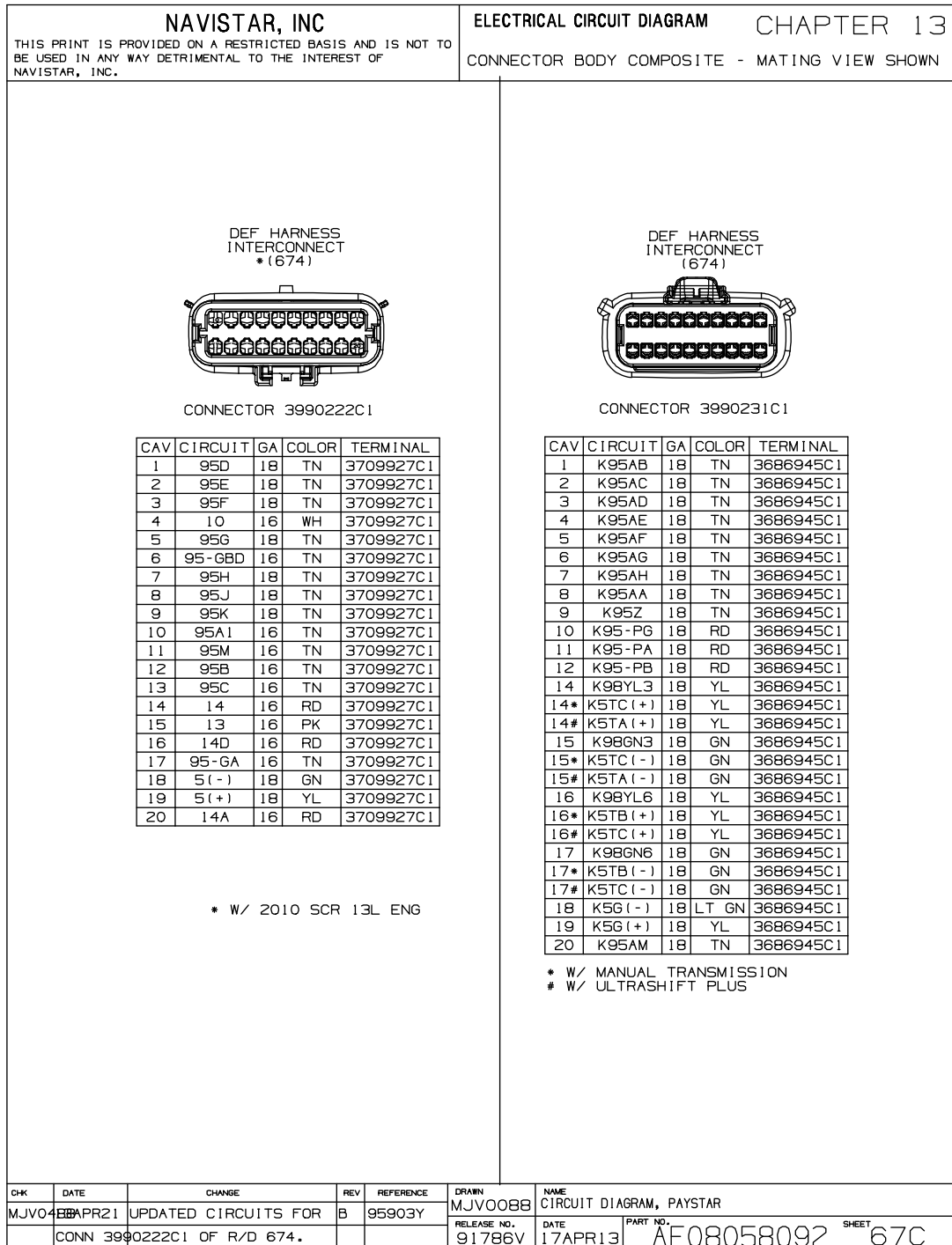


Figure 267 Connector Composites (674)

13.81. CONNECTOR COMPOSITES (674D / 674E / 675 / 676), P. 67D


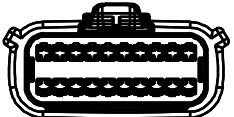


NAVISTAR, INC <small>THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF NAVISTAR, INC.</small>				ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13 CONNECTOR BODY COMPOSITE - MATING VIEW SHOWN					
DEF TANK HARNESS CONNECTOR (674D) 				DEF TANK (674E) 					
CONNECTOR 3990231C1				CONNECTOR 3990231C1					
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	CAV	CIRCUIT	GAUGE	COLOUR	TERMINAL
1	K95D	20	TN	3686945C1	1	K95D	20	TN	3686945C1
2	K95E	20	TN	3686945C1	2	K95E	20	TN	3686945C1
3	K95F	20	TN	3686945C1	3	K95F	20	TN	3686945C1
4	K10-GL	16	WH	3686946C1	4	K10-GL	16	WH	3686946C1
5	K95G	20	TN	3686945C1	5	K95G	20	TN	3686945C1
6	K95-GB	16	TN	3686946C1	6	K95-GB	16	TN	3686946C1
7	K95H&	20	TN	3686945C1	7	K95H*	20	TN	3686945C1
7	K95H@	20	TN	3686945C1	7	K95H#	20	TN	3686945C1
8	K95J&	16	VT	3686946C1	8	K95J*	16	VT	3686946C1
8	K6E@	20	PL	3686945C1	8	K6E#	20	PK	3686945C1
9	K95K	20	TN	3686945C1	9	K95K	20	TN	3686945C1
10	K95A1	20	TN	3686945C1	10	K95A1	20	TN	3686945C1
11	K95M	16	TN	3686946C1	11	K95M	16	TN	3686946C1
12	K95B	20	TN	3686945C1	12	K95B	20	TN	3686945C1
13	K95C	20	TN	3686945C1	13	K95C	20	TN	3686945C1
14	K14	16	RD	3686946C1	14	K14	16	RD	3686946C1
15	K13A	16	PK	3686946C1	15	K13A	16	PK	3686946C1
16	K13E	16	PK	3686946C1	16	K13E	16	PK	3686946C1
17	K95-GA	20	TN	3686945C1	17	K95-GA	20	TN	3686945C1
18	K5(-)	18	GN	3686945C1	18	K5(-)	18	LT GN	3686945C1
19	K5(+)	18	YL	3686945C1	19	K5(+)	18	YL	3686945C1
20	K14A	16	RD	3686946C1	20	K14A	16	RD	3686946C1
& W/ CRUISE CONTROL & N/ REMOTE PTO 5900 @ W/ CRUISE CONTROL & W/ REMOTE PTO 5900				* W/ CRUISE CONTROL & N/ REMOTE PTO 9900 # W/ CRUISE CONTROL & W/ REMOTE PTO 9900					
BACKFLOW HEATER (675) 				PRESSURE HEATER (676) 					
CONNECTOR 3854665C91				CONNECTOR 3854666C91					
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	A95AP	16	TN	1680205C1	1	A95AQ	16	TN	1680205C1
*1	A95AA	16	TN	1680205C1	*1	A95BA	16	TN	1680205C1
2	A95S	18	TN	1680205C1	2	A95U	18	TN	1680205C1
*2	A95MA	16	TN	1680205C1	*2	A95MB	16	TN	1680205C1
* W/ 2010 SCR 13L ENG				* W/ 2010 SCR 13L ENG					
CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME			
012	17APR13	INITIAL RELEASE.	A	91786V	MJV0088	CIRCUIT DIAGRAM, PAYSTAR,			
					RELEASE NO.	DATE	PART NO.	SHEET	
					91786V	17APR13	AE08058092	67D	

Figure 268 Connector Composites (674D / 674E / 675 / 676)

13.82. CONNECTOR COMPOSITES (677 / 678 / 679), P. 67E

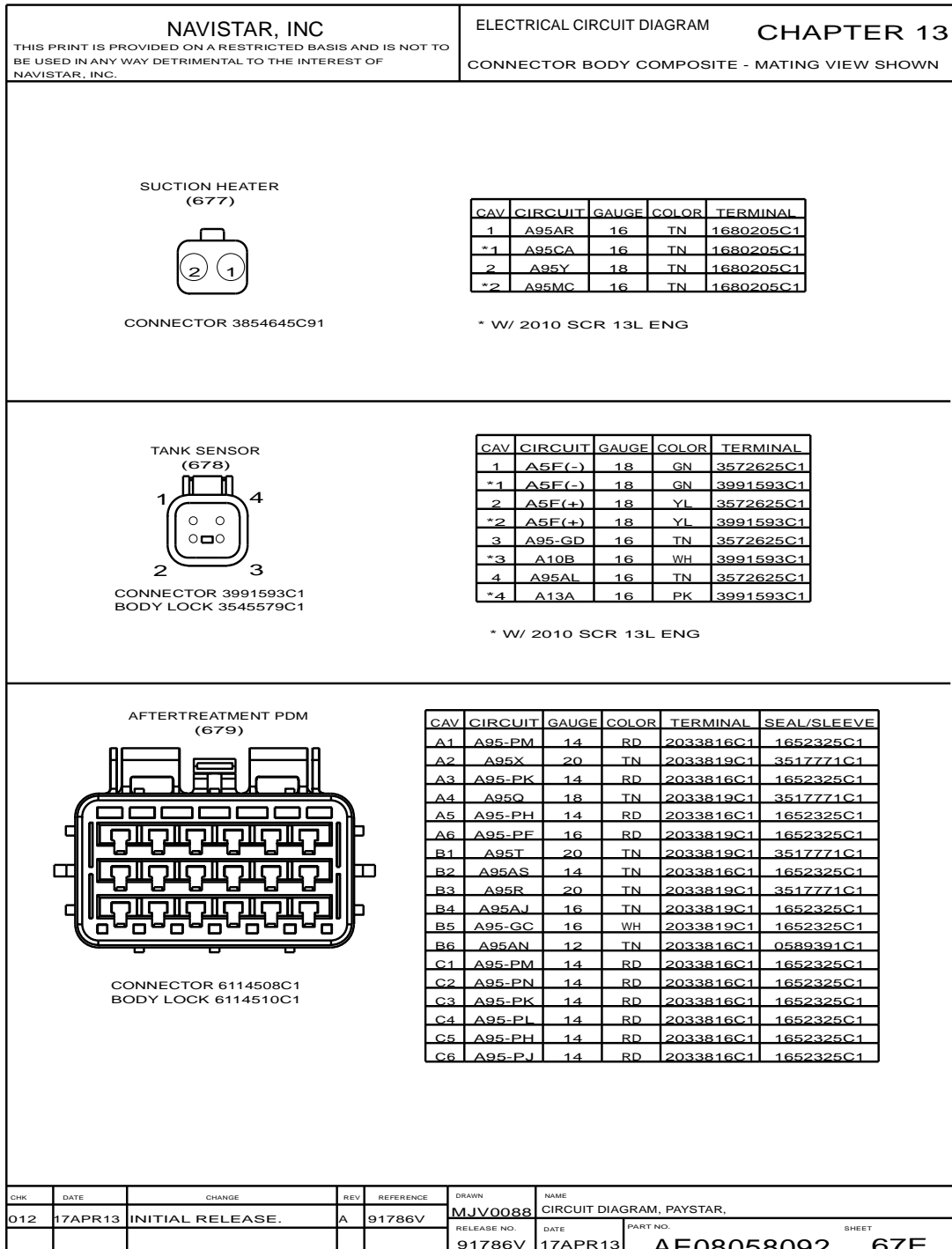


Figure 269 Connector Composites (677 / 678 / 679)

13.83. CONNECTOR COMPOSITES (*679 / 680), P. 67F

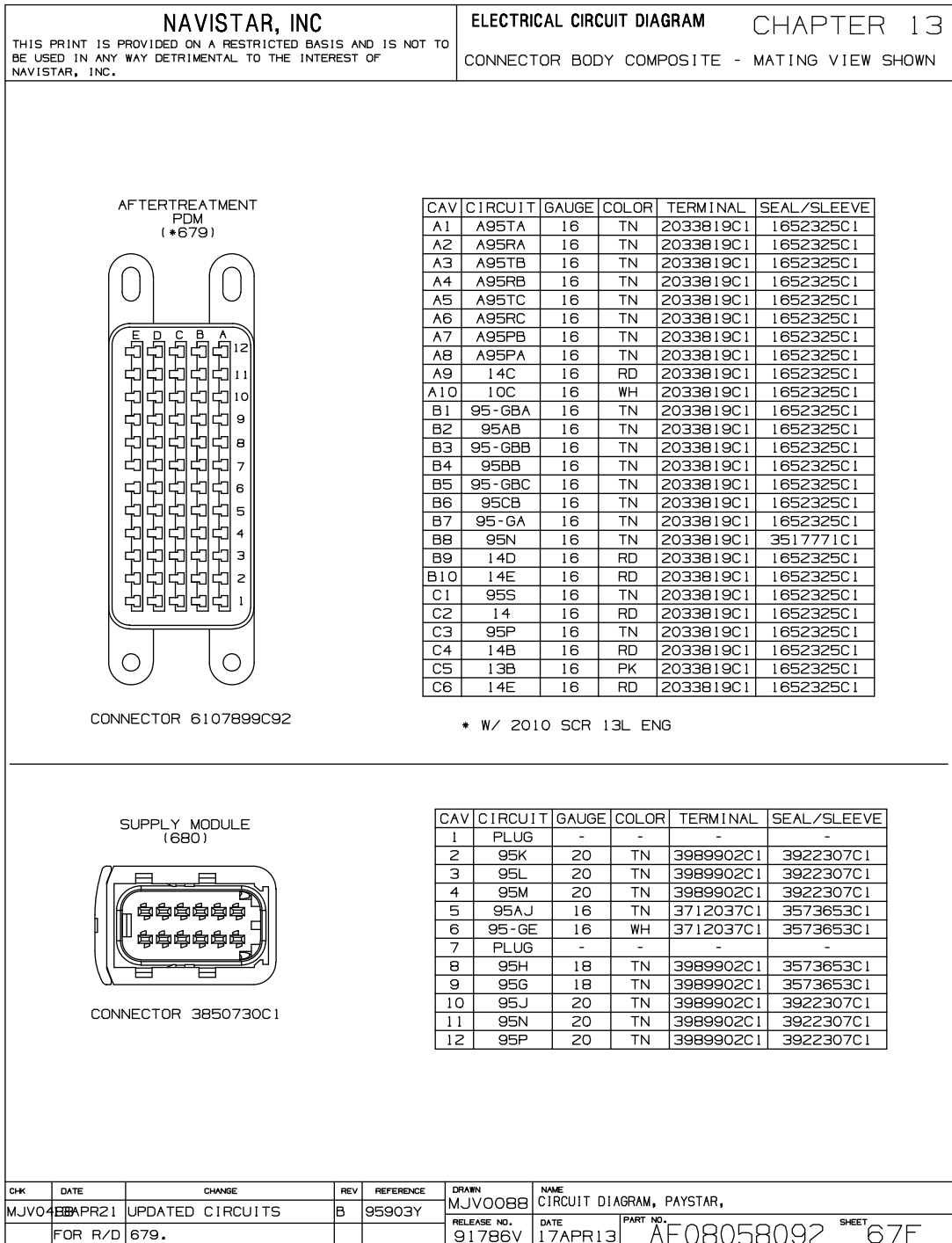


Figure 270 Connector Composites (*679 / 680)

13.84. CONNECTOR COMPOSITES (*680 / *681), P. 67G

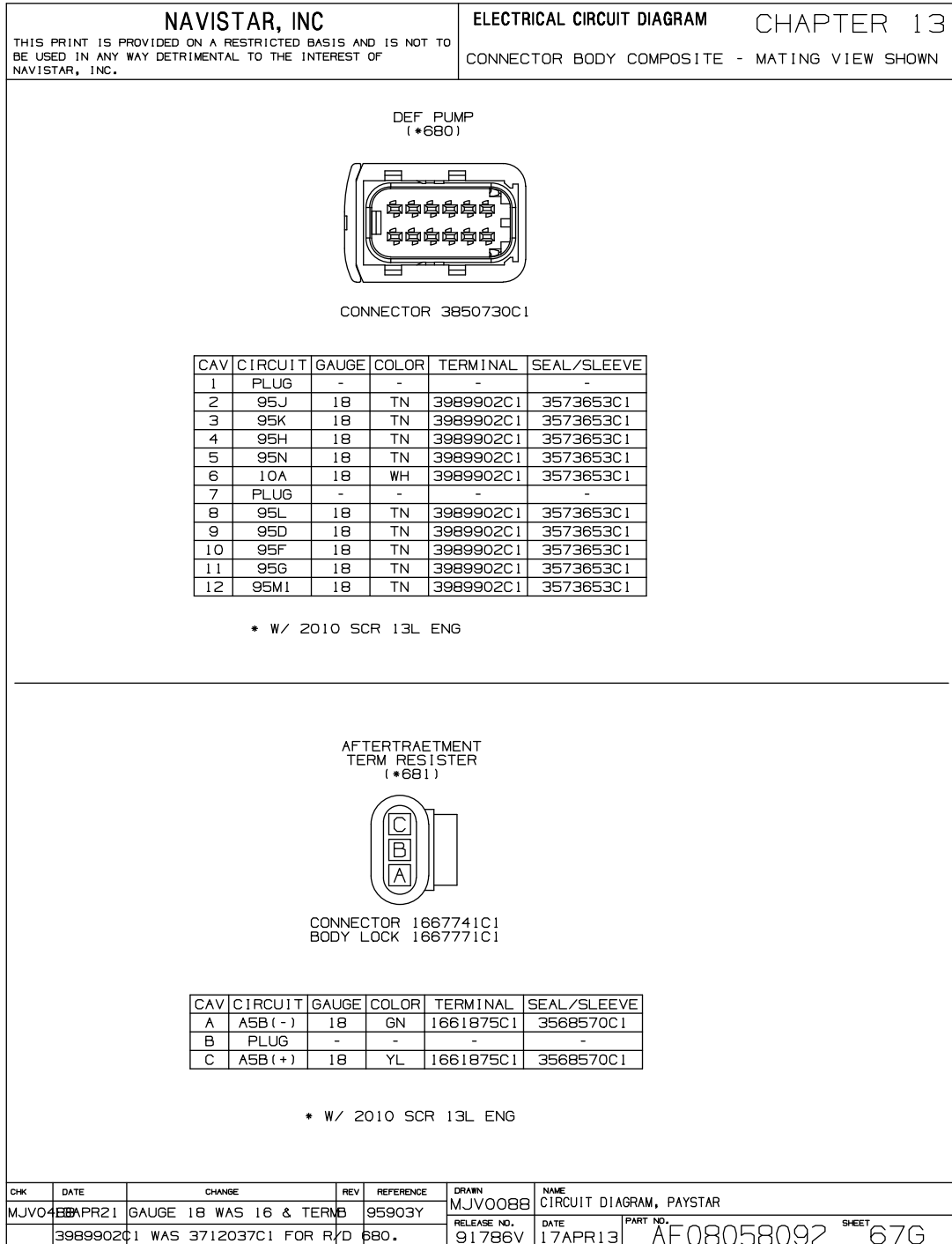


Figure 271 Connector Composites (*680 / *681)

13.85. CONNECTOR COMPOSITES (685), P. 67H

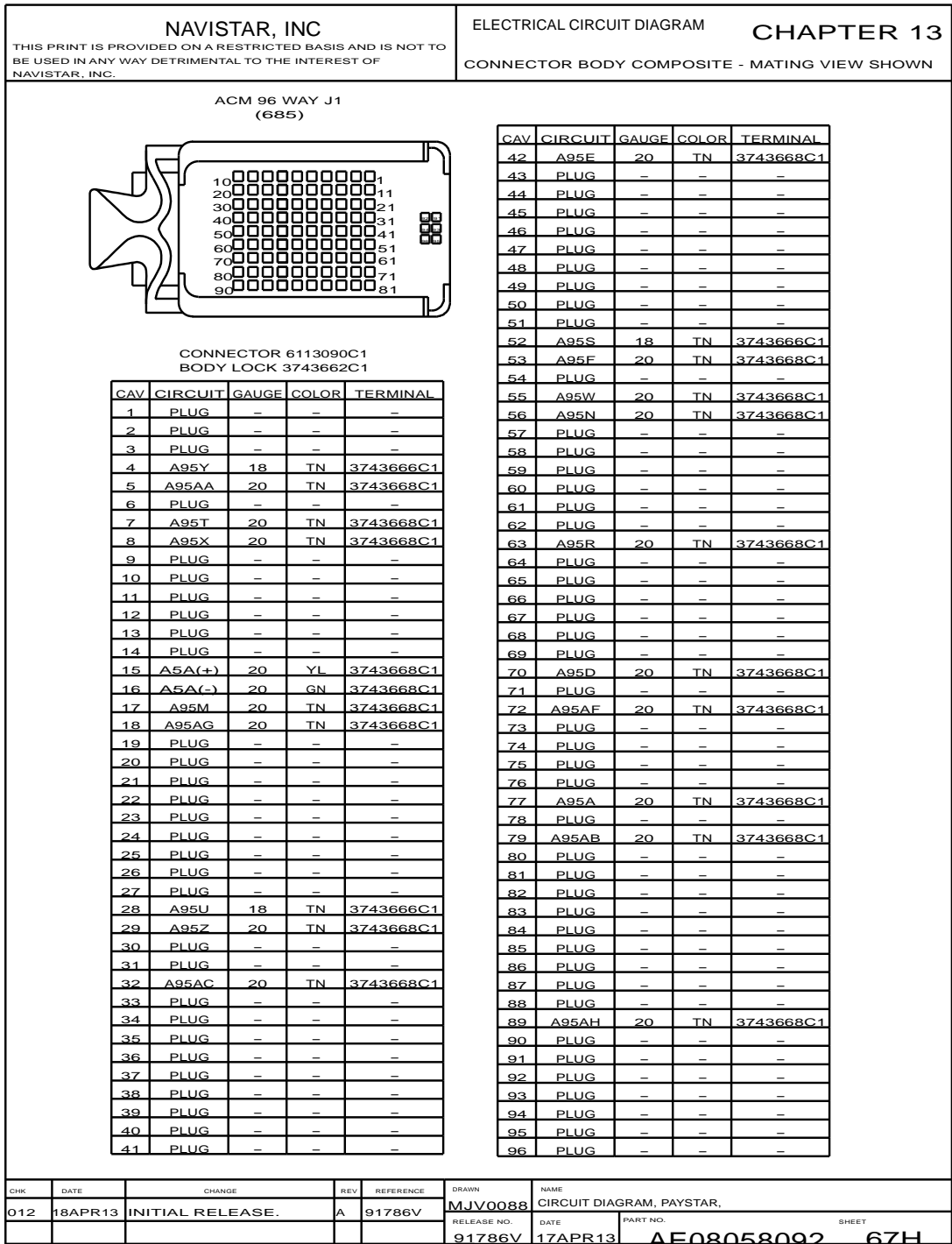


Figure 272 Connector Composites (685)

13.86. CONNECTOR COMPOSITES (686 / 687), P. 671

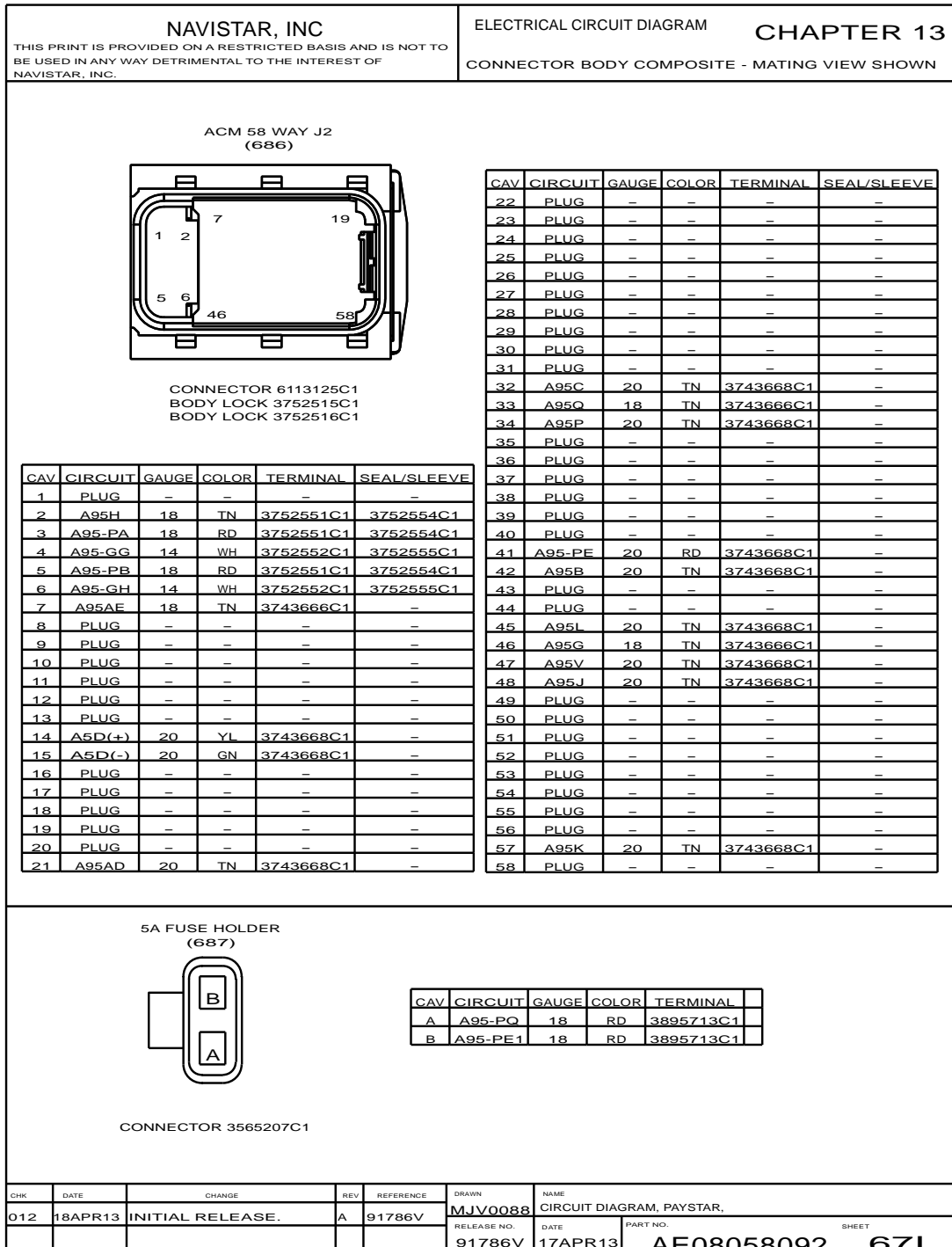


Figure 273 Connector Composites (686 / 687)

13.87. CONNECTOR COMPOSITES (690 / 691 / 694M), P. 68

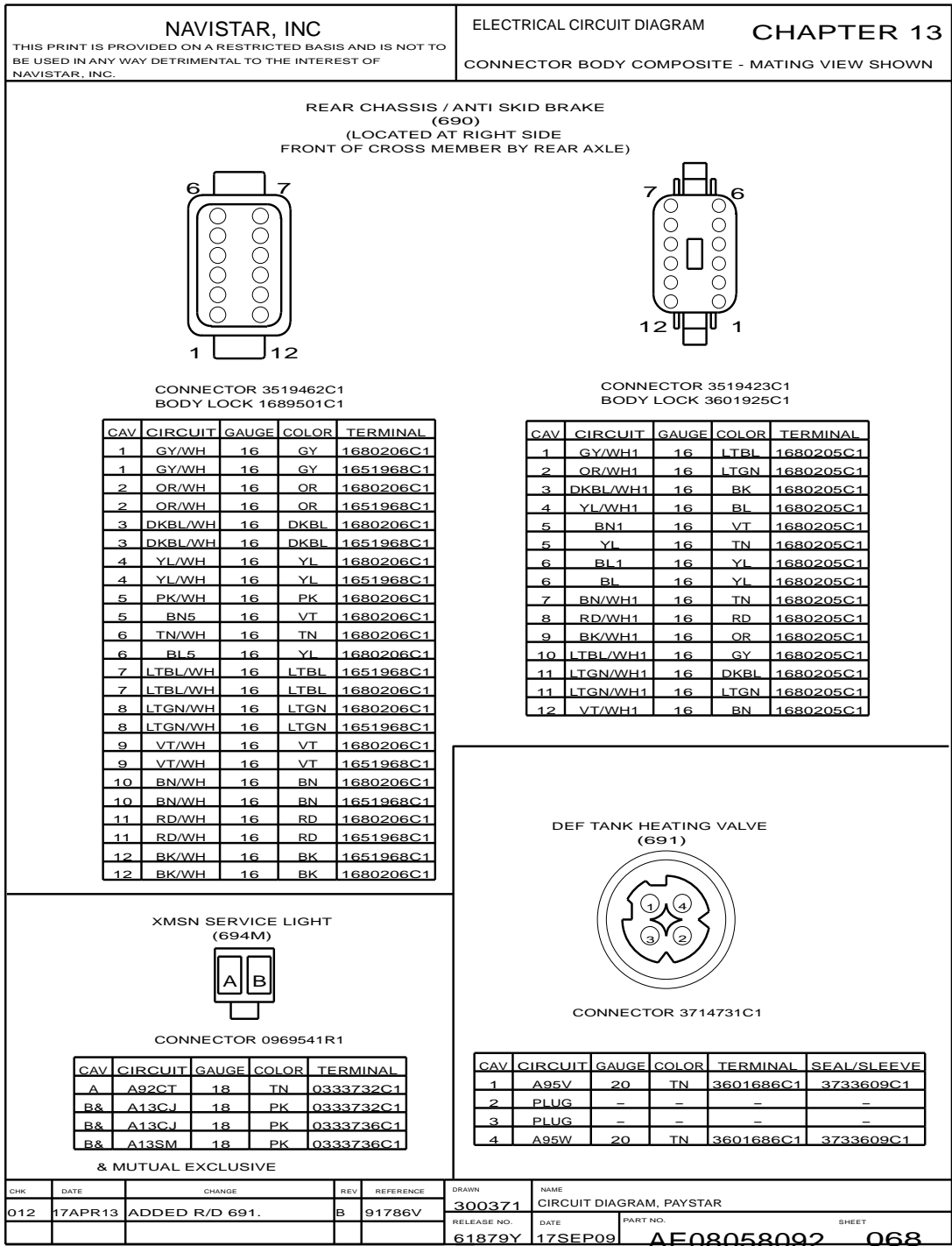


Figure 274 Connector Composites (690 / 691 / 694M)

13.88. CONNECTOR COMPOSITES (695F / 723M / 741F / 742F / 753), P. 69

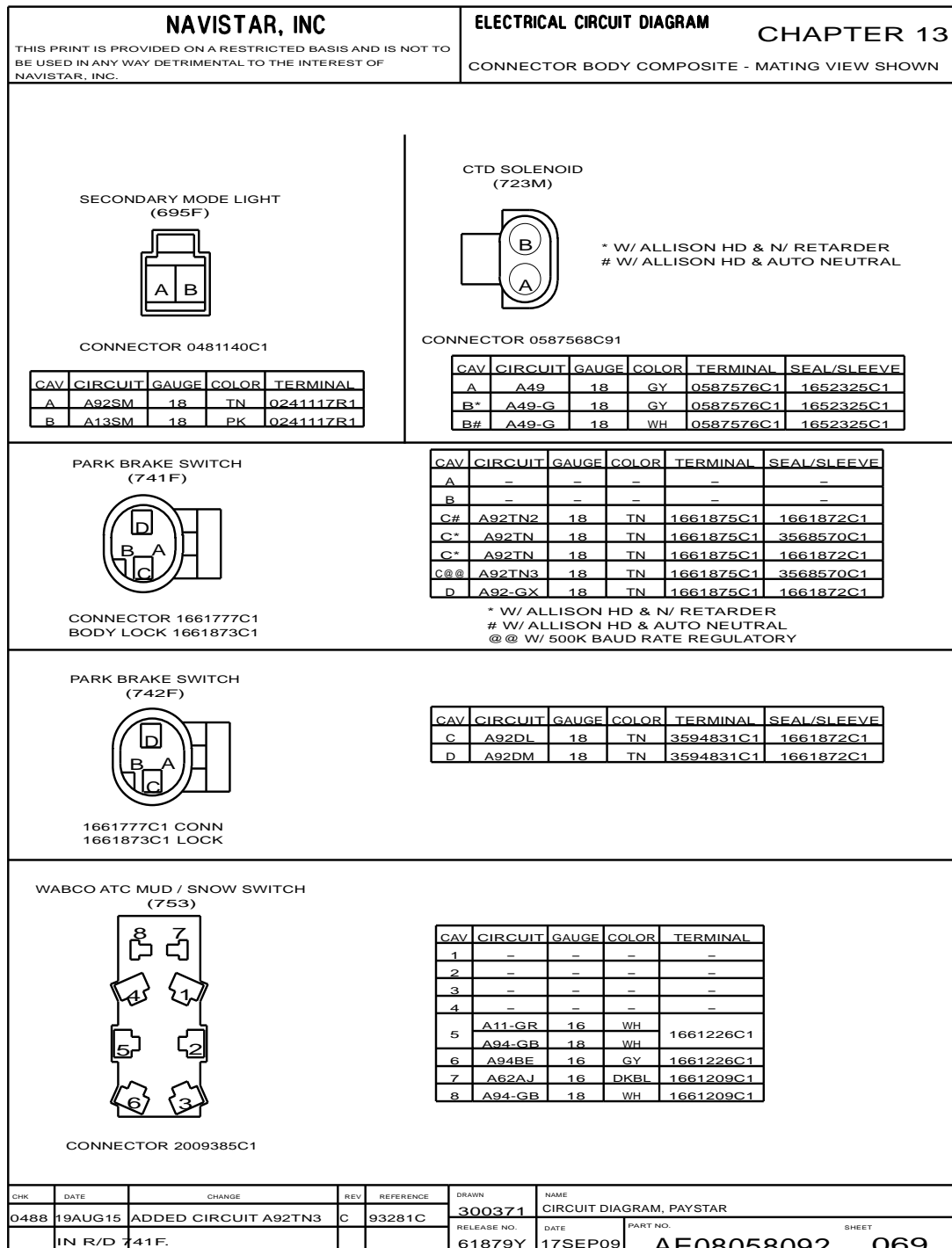


Figure 275 Connector Composites (695F / 723M / 741F / 742F / 753)

13.89. CONNECTOR COMPOSITES (766 / 768 / 769), P. 70

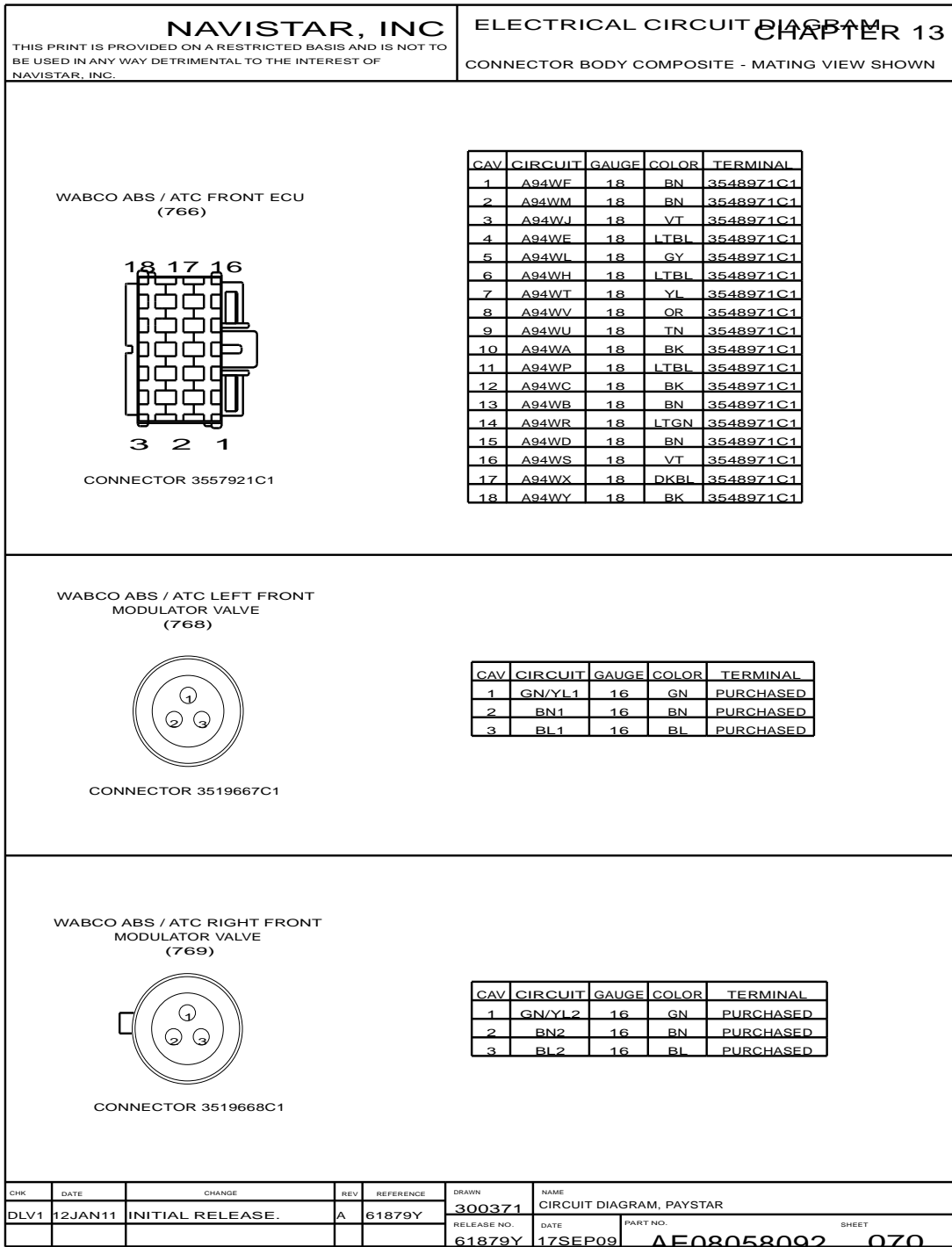


Figure 276 Connector Composites (766 / 768 / 769)

13.90. CONNECTOR COMPOSITES (770 / 771 / 774 / 775), P. 71


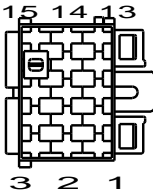

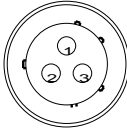
NAVISTAR, INC <small>THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF NAVISTAR, INC.</small>				ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13 CONNECTOR BODY COMPOSITE - MATING VIEW SHOWN																																																																																		
<p>WABCO ABS / ATC RIGHT FRONT WHEEL SPEED SENSOR IN - LINE CONNECTOR (770)</p>  <p>CONNECTOR 3519666C1</p>																																																																																						
<table border="1" style="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>1</td> <td>BN3</td> <td>16</td> <td>BK</td> <td>PURCHASED</td> </tr> <tr> <td>2</td> <td>BN3</td> <td>16</td> <td>BN</td> <td>PURCHASED</td> </tr> </tbody> </table>							CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	1	BN3	16	BK	PURCHASED	2	BN3	16	BN	PURCHASED																																																																	
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL																																																																																		
1	BN3	16	BK	PURCHASED																																																																																		
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<p>WABCO CAB ABS ECU (771)</p>  <p>CONNECTOR 3557922C1 BODY LOCK 3549120C1</p>																																																																																						
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<p>WABCO ABS / ATC LEFT REAR WHEEL SPEED SENSOR (774)</p>  <p>CONNECTOR PURCHASED</p>																																																																																						
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CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME																																																																																
DLV1	12JAN11	INITIAL RELEASE.	A	61879Y	300371	CIRCUIT DIAGRAM, PAYSTAR																																																																																
					RELEASE NO.	DATE																																																																																
					61879Y	17SEP09																																																																																
					PART NO.	SHEET																																																																																
					AE08058092	071																																																																																

Figure 277 Connector Composites (770 / 771 / 774 / 775)

13.91. CONNECTOR COMPOSITES (776 / 777 / 778 / 800F), P. 72

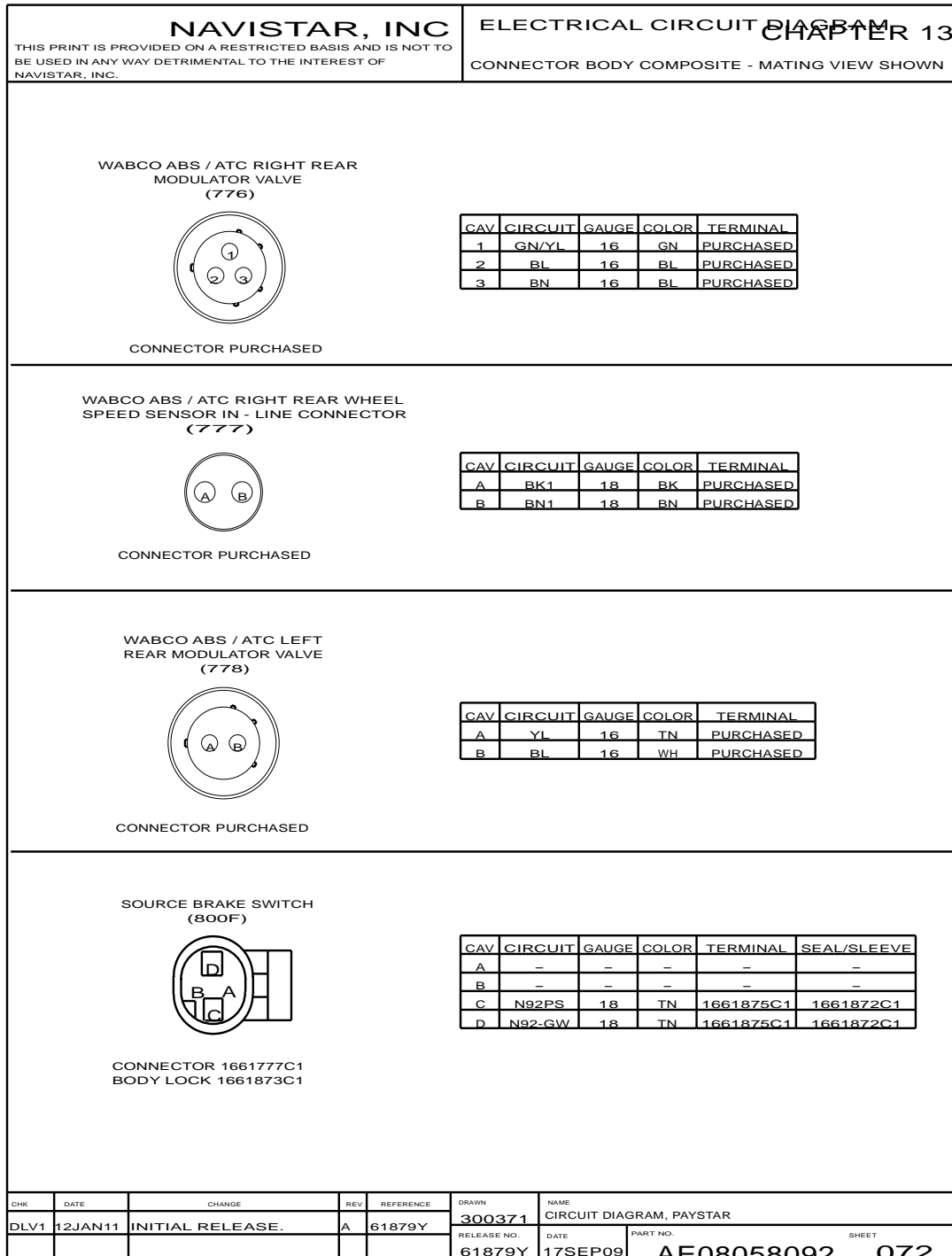


Figure 278 Connector Composites (776 / 777 / 778 / 800F)

13.92. CONNECTOR COMPOSITES (800M / 808M / 809F), P. 73

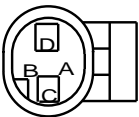
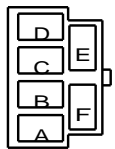
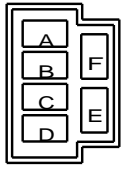
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<div style="display: flex; justify-content: space-between;"> <div style="width: 30%;"> <p>PARKING BRAKE PRESSURE SWITCH (800M)</p>  <p>CONNECTOR 1661777C1 BODY LOCK 1661873C1</p> </div> <div style="width: 65%;"> <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <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>-</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> </tr> <tr> <td>B</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> </tr> <tr> <td>C</td> <td>A43C</td> <td>16</td> <td>GY</td> <td>1661875C1</td> <td>1661872C1</td> </tr> <tr> <td>D</td> <td>A43B</td> <td>16</td> <td>GY</td> <td>1661875C1</td> <td>1661872C1</td> </tr> </tbody> </table> </div> </div>						CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE	A	-	-	-	-	-	B	-	-	-	-	-	C	A43C	16	GY	1661875C1	1661872C1	D	A43B	16	GY	1661875C1	1661872C1					
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE																																			
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B	-	-	-	-	-																																			
C	A43C	16	GY	1661875C1	1661872C1																																			
D	A43B	16	GY	1661875C1	1661872C1																																			
<div style="display: flex; justify-content: space-between;"> <div style="width: 30%;"> <p>TURN SIGNAL JUMPER (SWITCH) (808M)</p>  <p>CONNECTOR 0258058C1</p> </div> <div style="width: 65%;"> <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <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>A57AJ</td> <td>12</td> <td>OR</td> <td>0333734C1</td> </tr> <tr> <td>B</td> <td>A57BJ</td> <td>12</td> <td>OR</td> <td>0333734C1</td> </tr> <tr> <td>C</td> <td>A56BJ</td> <td>12</td> <td>OR</td> <td>0333734C1</td> </tr> <tr> <td>D</td> <td>A56AJ</td> <td>12</td> <td>OR</td> <td>0333734C1</td> </tr> <tr> <td>E</td> <td>A55AJ</td> <td>12</td> <td>OR</td> <td>0333734C1</td> </tr> <tr> <td>F</td> <td>A70CJ</td> <td>12</td> <td>OR</td> <td>0333734C1</td> </tr> </tbody> </table> </div> </div>						CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	A	A57AJ	12	OR	0333734C1	B	A57BJ	12	OR	0333734C1	C	A56BJ	12	OR	0333734C1	D	A56AJ	12	OR	0333734C1	E	A55AJ	12	OR	0333734C1	F	A70CJ	12	OR	0333734C1
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL																																				
A	A57AJ	12	OR	0333734C1																																				
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E	A55AJ	12	OR	0333734C1																																				
F	A70CJ	12	OR	0333734C1																																				
<div style="display: flex; justify-content: space-between;"> <div style="width: 30%;"> <p>TURN SIGNAL JUMPER CAB (809F)</p>  <p>CONNECTOR 0258059C2</p> </div> <div style="width: 65%;"> <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <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>A57AJ</td> <td>12</td> <td>OR</td> <td>0188392R2</td> </tr> <tr> <td>B</td> <td>A57BJ</td> <td>12</td> <td>OR</td> <td>0188392R2</td> </tr> <tr> <td>C</td> <td>A56BJ</td> <td>12</td> <td>OR</td> <td>0188392R2</td> </tr> <tr> <td>D</td> <td>A56AJ</td> <td>12</td> <td>OR</td> <td>0188392R2</td> </tr> <tr> <td>E</td> <td>A55AJ</td> <td>12</td> <td>OR</td> <td>0188392R2</td> </tr> <tr> <td>F</td> <td>A70AJ</td> <td>12</td> <td>OR</td> <td>0188392R2</td> </tr> </tbody> </table> </div> </div>						CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	A	A57AJ	12	OR	0188392R2	B	A57BJ	12	OR	0188392R2	C	A56BJ	12	OR	0188392R2	D	A56AJ	12	OR	0188392R2	E	A55AJ	12	OR	0188392R2	F	A70AJ	12	OR	0188392R2
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL																																				
A	A57AJ	12	OR	0188392R2																																				
B	A57BJ	12	OR	0188392R2																																				
C	A56BJ	12	OR	0188392R2																																				
D	A56AJ	12	OR	0188392R2																																				
E	A55AJ	12	OR	0188392R2																																				
F	A70AJ	12	OR	0188392R2																																				
CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME																																		
DLV1	12JAN11	INITIAL RELEASE.	A	61879Y	300371	CIRCUIT DIAGRAM, PAYSTAR																																		
					RELEASE NO.	DATE																																		
					61879Y	17SEP09																																		
					PART NO.	SHEET																																		
					AE08058092	073																																		

Figure 279 Connector Composites (800M / 808M / 809F)

13.93. CONNECTOR COMPOSITES (823M / 851 / *851M / 854), P. 74

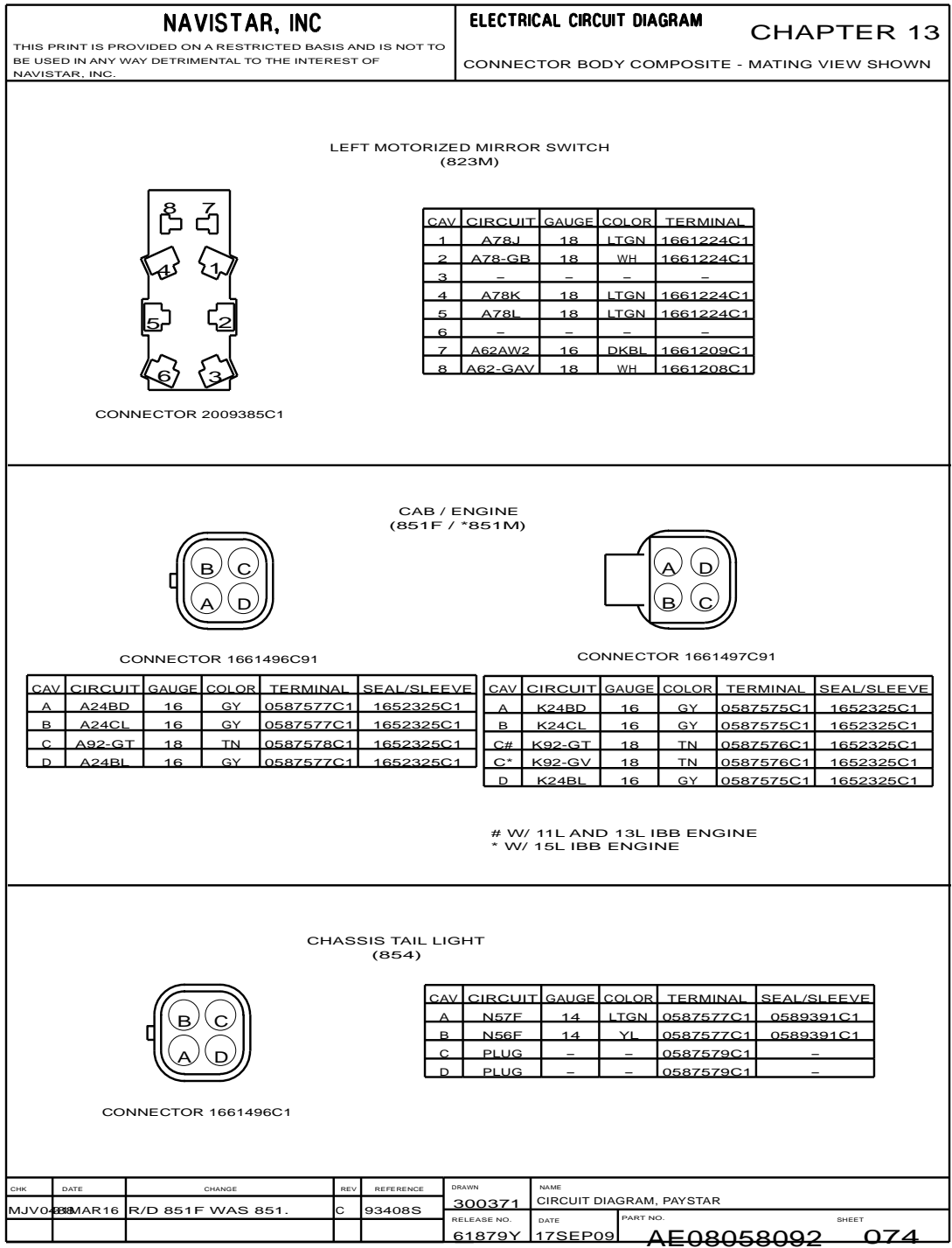


Figure 280 Connector Composites (823M / 851 / *851M / 854)

13.94. CONNECTOR COMPOSITES (873 / 875M / 876M / 878F), P. 75

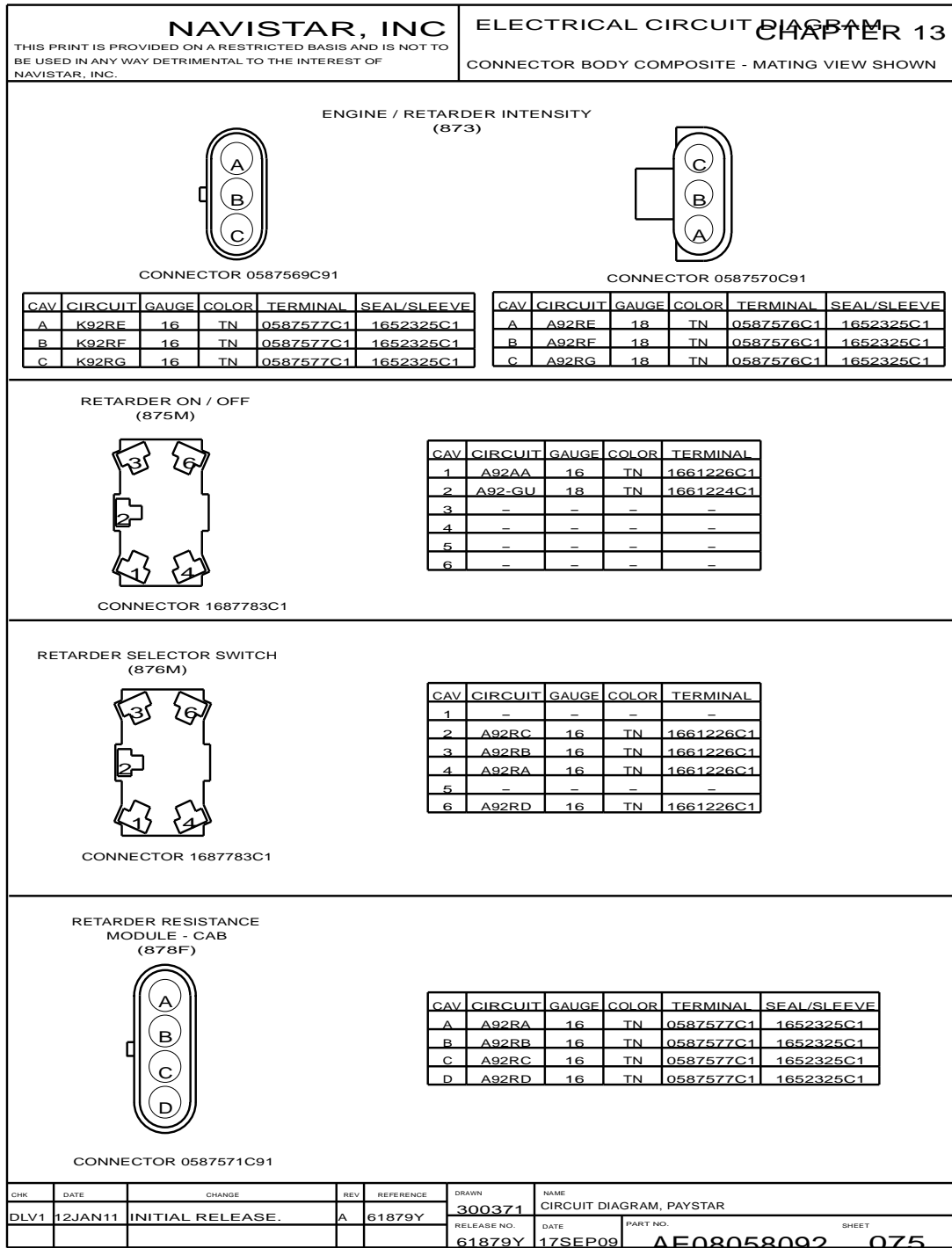


Figure 281 Connector Composites (873 / 875M / 876M / 878F)

13.95. CONNECTOR COMPOSITES (879M / 881F / 884F / 887), P. 76

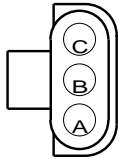


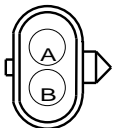
NAVISTAR, INC <small>THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF NAVISTAR, INC.</small>				ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13 CONNECTOR BODY COMPOSITE - MATING VIEW SHOWN																										
<div style="display: flex; justify-content: space-between;"> <div style="width: 30%;"> <p>RETARDER RESISTANCE MODULE - ENGINE (879M)</p>  <p>CONNECTOR 3519221C91</p> </div> <div style="width: 65%;"> <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <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>A92RE</td> <td>18</td> <td>TN</td> <td>0587578C1</td> <td>1652325C1</td> </tr> <tr> <td>B</td> <td>A92RF</td> <td>18</td> <td>TN</td> <td>0587578C1</td> <td>1652325C1</td> </tr> <tr> <td>C</td> <td>A92RG</td> <td>18</td> <td>TN</td> <td>0587578C1</td> <td>1652325C1</td> </tr> </tbody> </table> </div> </div>						CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE	A	A92RE	18	TN	0587578C1	1652325C1	B	A92RF	18	TN	0587578C1	1652325C1	C	A92RG	18	TN	0587578C1	1652325C1	
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE																									
A	A92RE	18	TN	0587578C1	1652325C1																									
B	A92RF	18	TN	0587578C1	1652325C1																									
C	A92RG	18	TN	0587578C1	1652325C1																									
<div style="display: flex; justify-content: space-between;"> <div style="width: 30%;"> <p>XMSN OVERHEAT LIGHT (881F)</p>  <p>CONNECTOR 0481140C1</p> </div> <div style="width: 65%;"> <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <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>A13BP</td> <td>18</td> <td>PK</td> <td>0870923R1</td> </tr> <tr> <td>A&</td> <td>A13BM</td> <td>18</td> <td>PK</td> <td>0870923R1</td> </tr> <tr> <td>B</td> <td>A92ML</td> <td>18</td> <td>TN</td> <td>0241117R1</td> </tr> </tbody> </table> <p style="text-align: center;">& MUTUAL EXCLUSIVE</p> </div> </div>						CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	A&	A13BP	18	PK	0870923R1	A&	A13BM	18	PK	0870923R1	B	A92ML	18	TN	0241117R1					
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL																										
A&	A13BP	18	PK	0870923R1																										
A&	A13BM	18	PK	0870923R1																										
B	A92ML	18	TN	0241117R1																										
<div style="display: flex; justify-content: space-between;"> <div style="width: 30%;"> <p>MODULE CONNECTOR (884F)</p>  <p>CONNECTOR 3503598C1</p> </div> <div style="width: 65%;"> <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th>CAV</th> <th>CIRCUIT</th> <th>GAUGE</th> <th>COLOR</th> <th>TERMINAL</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>A77AH</td> <td>16</td> <td>LTGN</td> <td>1680206C1</td> </tr> <tr> <td>2</td> <td>A77AJ</td> <td>16</td> <td>LTGN</td> <td>1680206C1</td> </tr> <tr> <td>3</td> <td>A77AK</td> <td>16</td> <td>LTGN</td> <td>1680206C1</td> </tr> <tr> <td>4</td> <td>A77AL</td> <td>16</td> <td>LTGN</td> <td>1680206C1</td> </tr> </tbody> </table> </div> </div>						CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	1	A77AH	16	LTGN	1680206C1	2	A77AJ	16	LTGN	1680206C1	3	A77AK	16	LTGN	1680206C1	4	A77AL	16	LTGN	1680206C1
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL																										
1	A77AH	16	LTGN	1680206C1																										
2	A77AJ	16	LTGN	1680206C1																										
3	A77AK	16	LTGN	1680206C1																										
4	A77AL	16	LTGN	1680206C1																										
<div style="display: flex; justify-content: space-between;"> <div style="width: 30%;"> <p>APADS (887)</p>  <p>CONNECTOR 0587567C91</p> </div> <div style="width: 65%;"> <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <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>K23AC</td> <td>18</td> <td>TN</td> <td>0587578C1</td> <td>1652325C1</td> </tr> <tr> <td>A#</td> <td>K23AC</td> <td>18</td> <td>TN</td> <td>0587578C1</td> <td>3517771C1</td> </tr> <tr> <td>B</td> <td>K77AE</td> <td>14</td> <td>LTGN</td> <td>0587577C1</td> <td>0589391C1</td> </tr> </tbody> </table> <p style="text-align: center;">* W/ FAN OVERRIDE # N/ FAN OVERRIDE</p> </div> </div>						CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE	A*	K23AC	18	TN	0587578C1	1652325C1	A#	K23AC	18	TN	0587578C1	3517771C1	B	K77AE	14	LTGN	0587577C1	0589391C1	
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE																									
A*	K23AC	18	TN	0587578C1	1652325C1																									
A#	K23AC	18	TN	0587578C1	3517771C1																									
B	K77AE	14	LTGN	0587577C1	0589391C1																									
<table border="1" style="width: 100%; border-collapse: collapse; font-size: small;"> <thead> <tr> <th>CHK</th> <th>DATE</th> <th>CHANGE</th> <th>REV</th> <th>REFERENCE</th> <th>DRAWN</th> <th>NAME</th> </tr> </thead> <tbody> <tr> <td>012</td> <td>17APR13</td> <td>ADDED:CIRC K23C IN</td> <td>B</td> <td>91786V</td> <td>300371</td> <td>CIRCUIT DIAGRAM, PAYSTAR</td> </tr> <tr> <td></td> <td>R/D 887</td> <td>& ADDED R/D 884F.</td> <td></td> <td></td> <td>61879Y</td> <td>17SEP09</td> </tr> </tbody> </table> <div style="display: flex; justify-content: space-between; margin-top: 5px;"> PART NO. AE08058092 SHEET 076 </div>						CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME	012	17APR13	ADDED:CIRC K23C IN	B	91786V	300371	CIRCUIT DIAGRAM, PAYSTAR		R/D 887	& ADDED R/D 884F.			61879Y	17SEP09				
CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME																								
012	17APR13	ADDED:CIRC K23C IN	B	91786V	300371	CIRCUIT DIAGRAM, PAYSTAR																								
	R/D 887	& ADDED R/D 884F.			61879Y	17SEP09																								

Figure 282 Connector Composites (879M / 881F / 884F / 887)

13.96. CONNECTOR COMPOSITES (887M / 907M / 931F), P. 76A

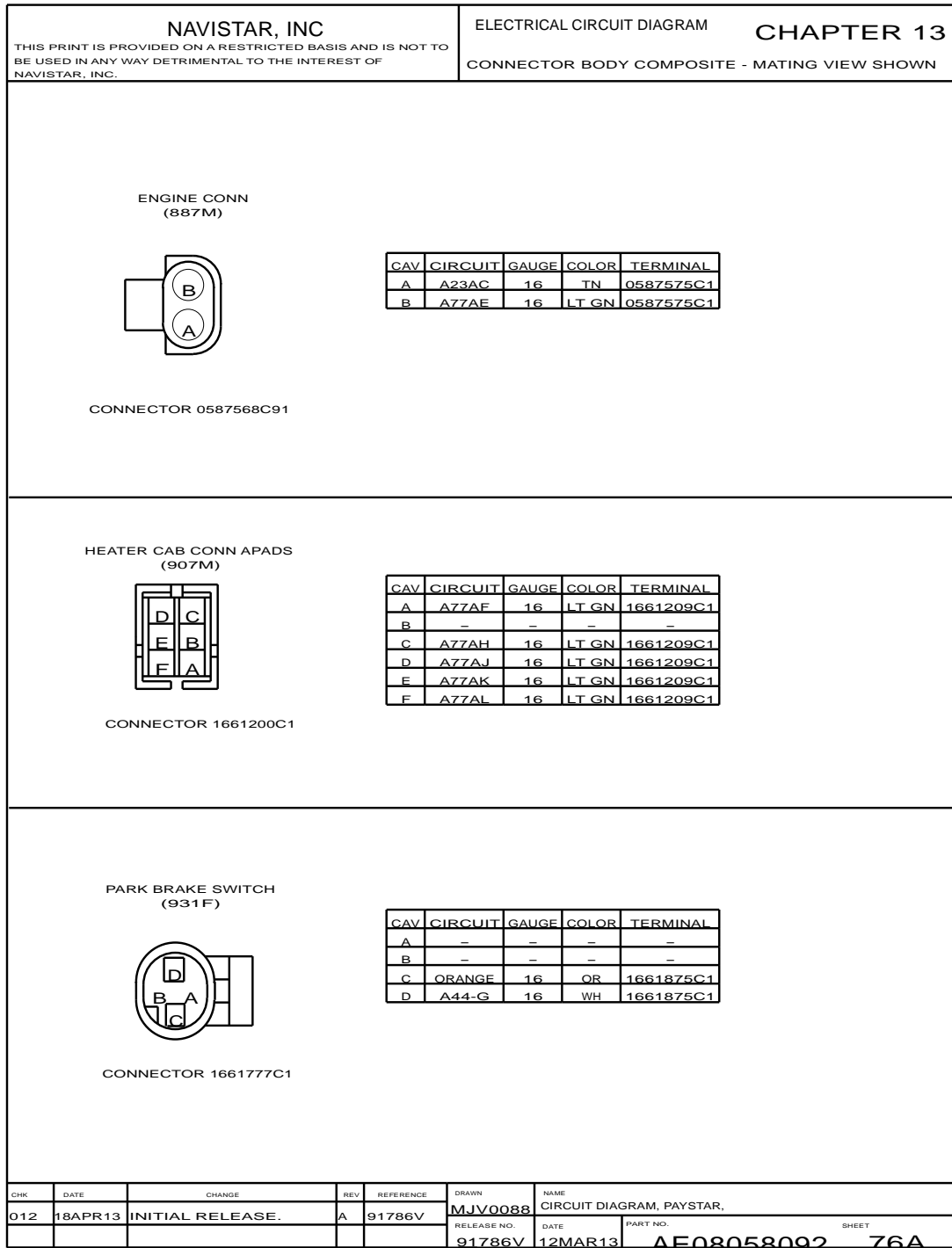


Figure 283 Connector Composites (887M / 907M / 931F)

13.97. CONNECTOR COMPOSITES (922M / 923F / 925), P. 77

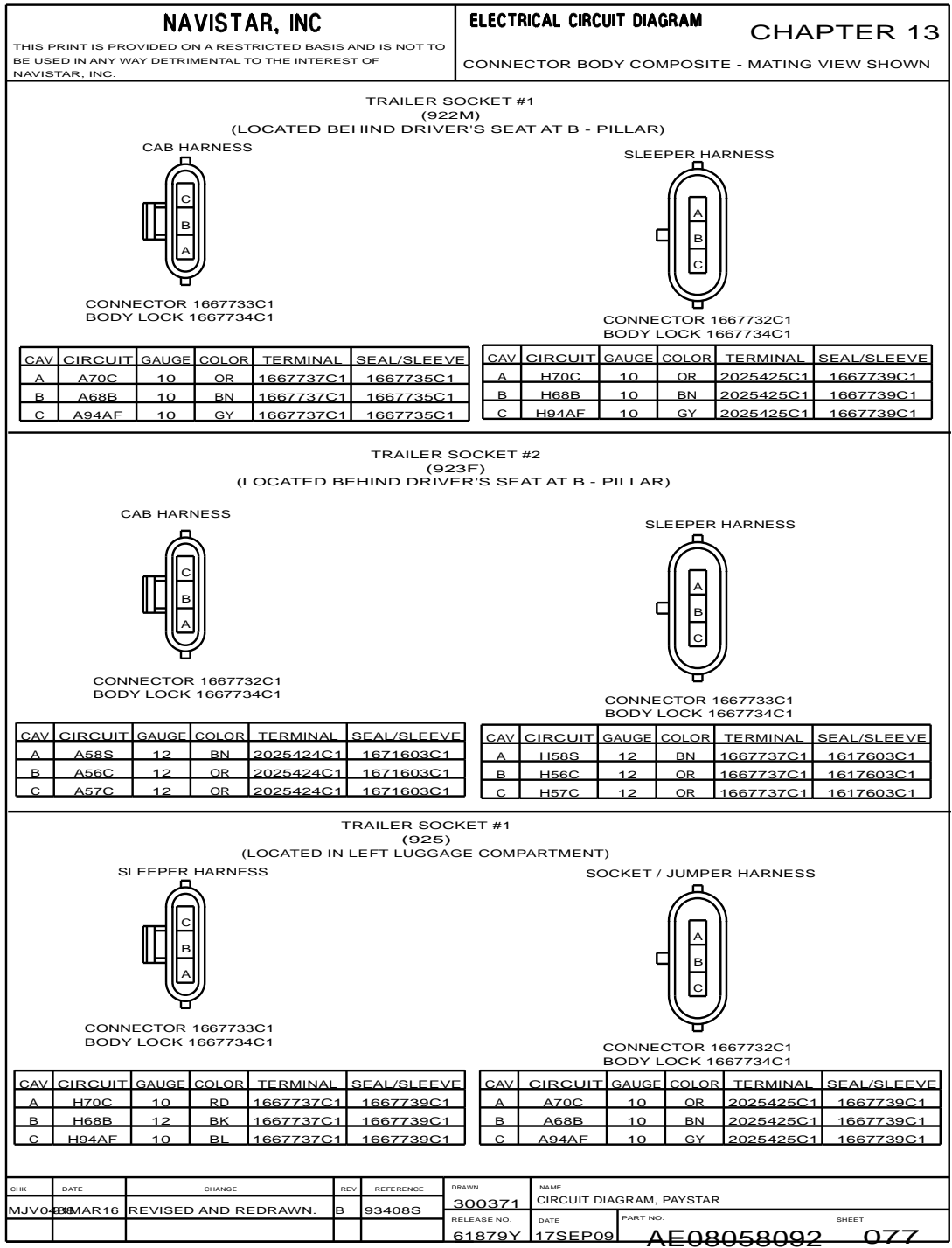


Figure 284 Connector Composites (922M / 923F / 925)

13.98. CONNECTOR COMPOSITES (926 / 934M / 935), P. 78

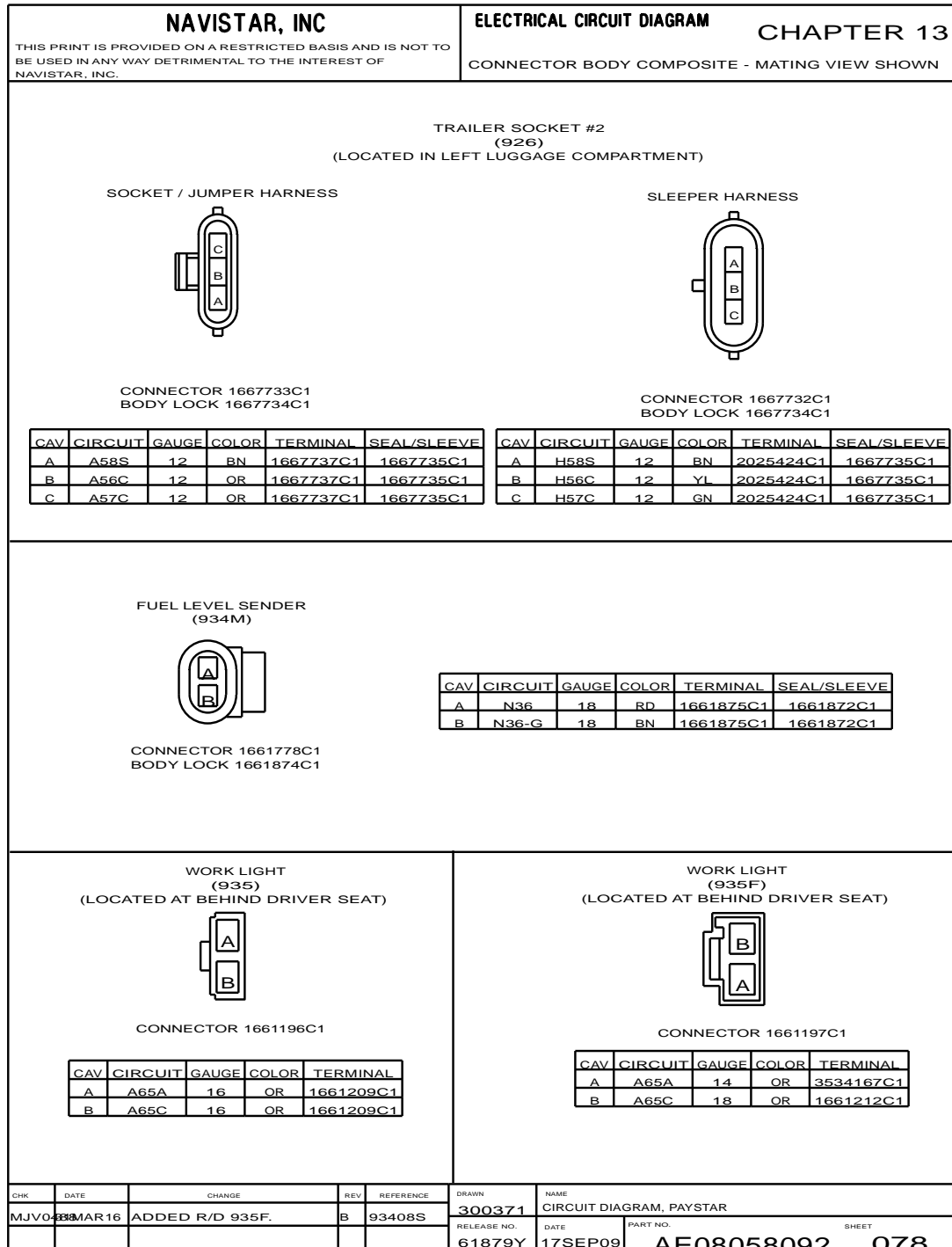


Figure 285 Connector Composites (926 / 934M / 935)

13.99. CONNECTOR COMPOSITES (946 / 950 / 950F), P. 79

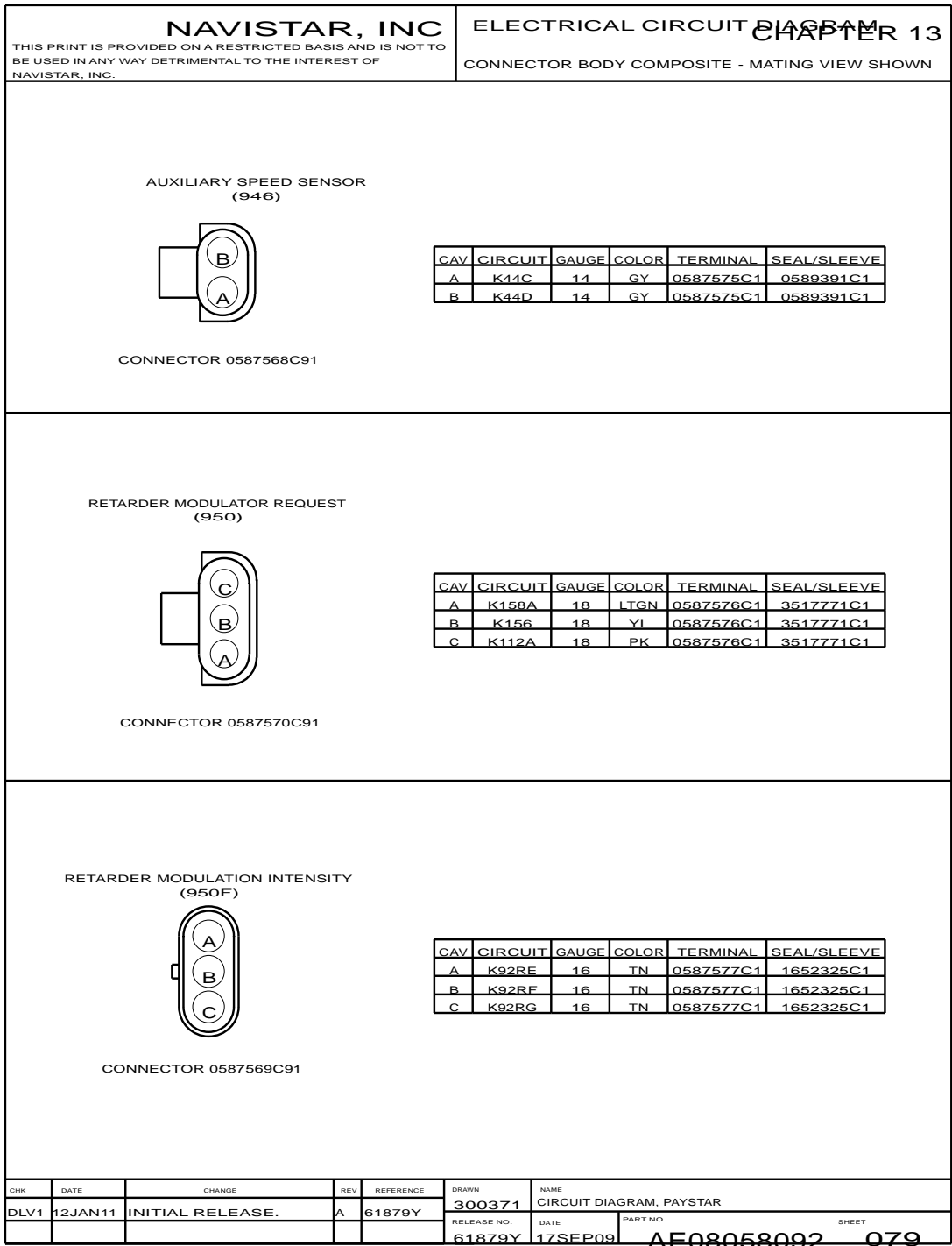


Figure 286 Connector Composites (946 / 950 / 950F)

13.100. CONNECTOR COMPOSITES (958 / 958F / 961), P. 80

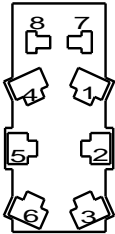
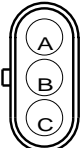
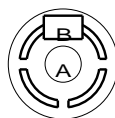

NAVISTAR, INC				ELECTRICAL CIRCUIT DIAGRAM				CHAPTER 13																																																																				
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<p>AUTO NEUTRAL SWITCH (958)</p> 																																																																												
CONNECTOR 2009385C1																																																																												
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CAV	CIRCUIT	GAUGE	COLOR	TERMINAL																																																																								
1	-	-	-	-																																																																								
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3	-	-	-	-																																																																								
4	-	-	-	-																																																																								
5	A92TN4	18	TN	1661224C1																																																																								
5@@	A92TN2	18	TN	3541250C1																																																																								
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6@@	A92TN3	18	TN	1661224C1																																																																								
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CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE																																																																							
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B&	K97-GC	18	WH	0587578C1	1652325C1																																																																							
B	K97-GG	18	VT	0587578C1	1652325C1																																																																							
C*	K97BE	18	VT	0587578C1	1652325C1																																																																							
C#	K97AB3	16	VT	0587577C1	1652325C1																																																																							
<p>* W/ REMOTE CRUISE # W/ ROCKWELL & EATON REMOTE CRUISE & W/ 11/13L IBB SCR</p>																																																																												
<p>AUTO NEUTRAL INDICATOR (961)</p> 																																																																												
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61879Y		17SEP09		AE08058092		080																																																																						

Figure 287 Connector Composites (958 / 958F / 961)

13.101. CONNECTOR COMPOSITES (1000 / 1027), P. 81

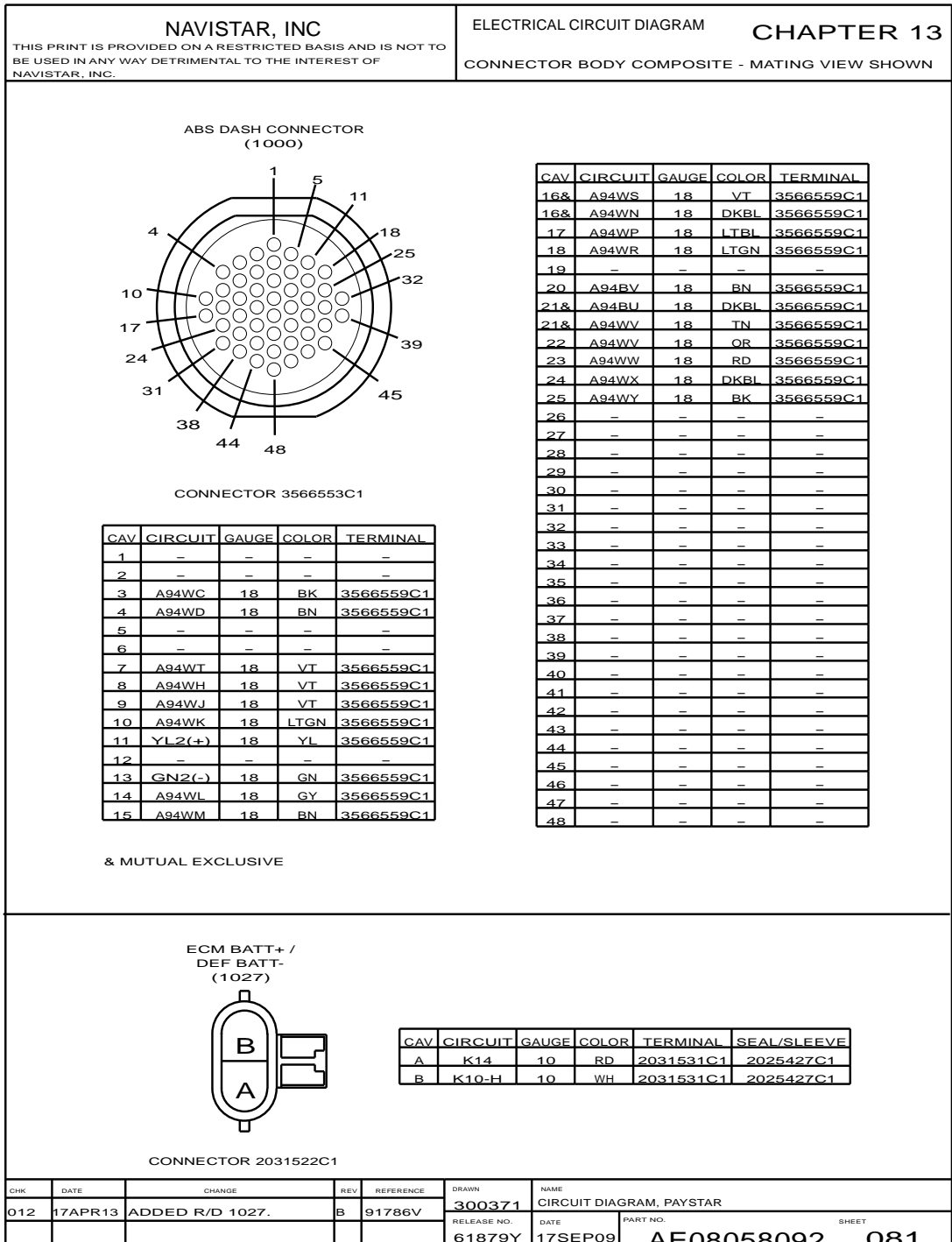


Figure 288 Connector Composites (1000 / 1027)

13.102. CONNECTOR COMPOSITES (1033F / 1034F / 1039 / 1040), P. 82

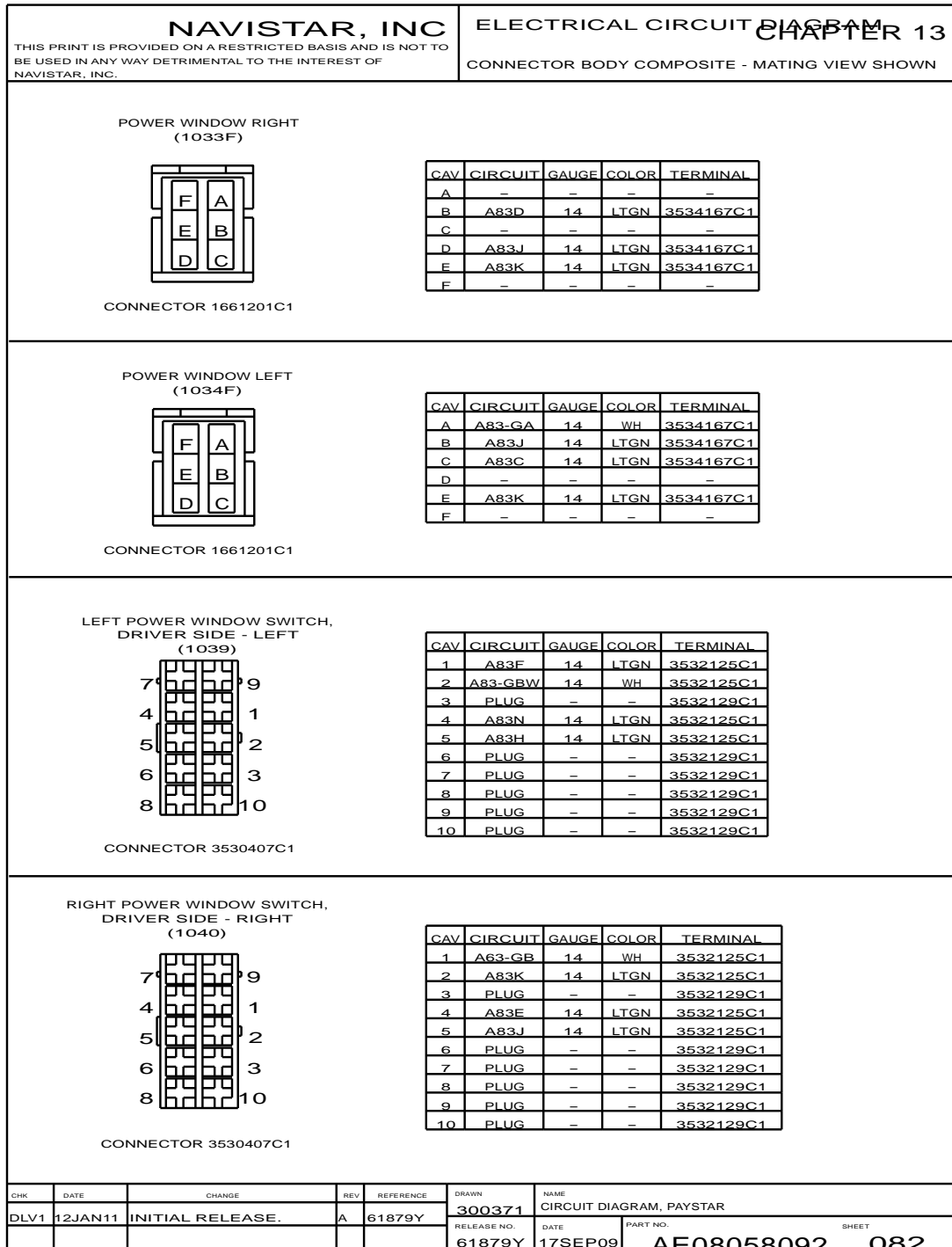


Figure 289 Connector Composites (1033F / 1034F / 1039 / 1040)

13.103. CONNECTOR COMPOSITES (1041 / 1042 / 1043 / 1044), P. 83

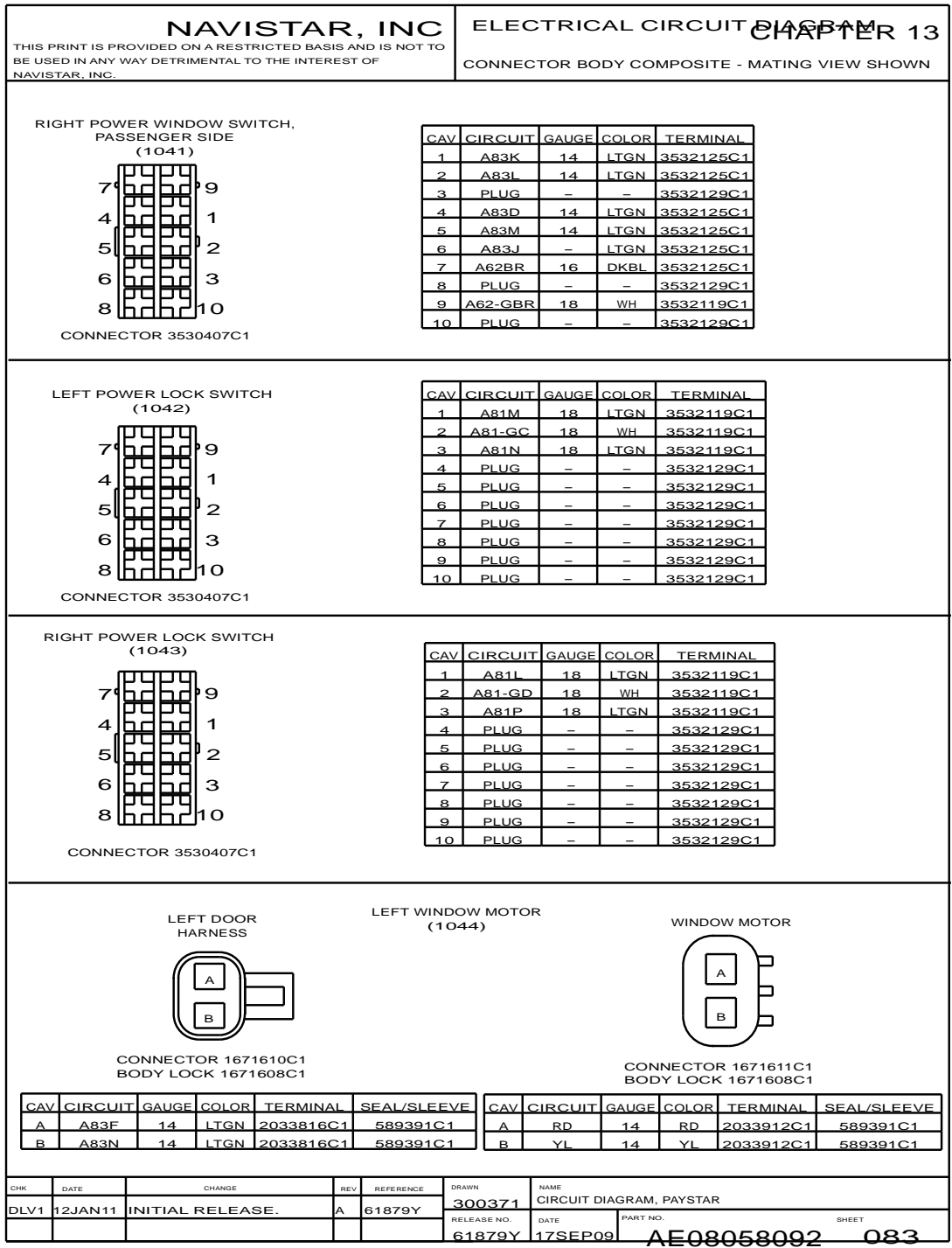


Figure 290 Connector Composites (1041 / 1042 / 1043 / 1044)

13.104. CONNECTOR COMPOSITES (1045 / 1046 / 1047 / 1048F), P. 84

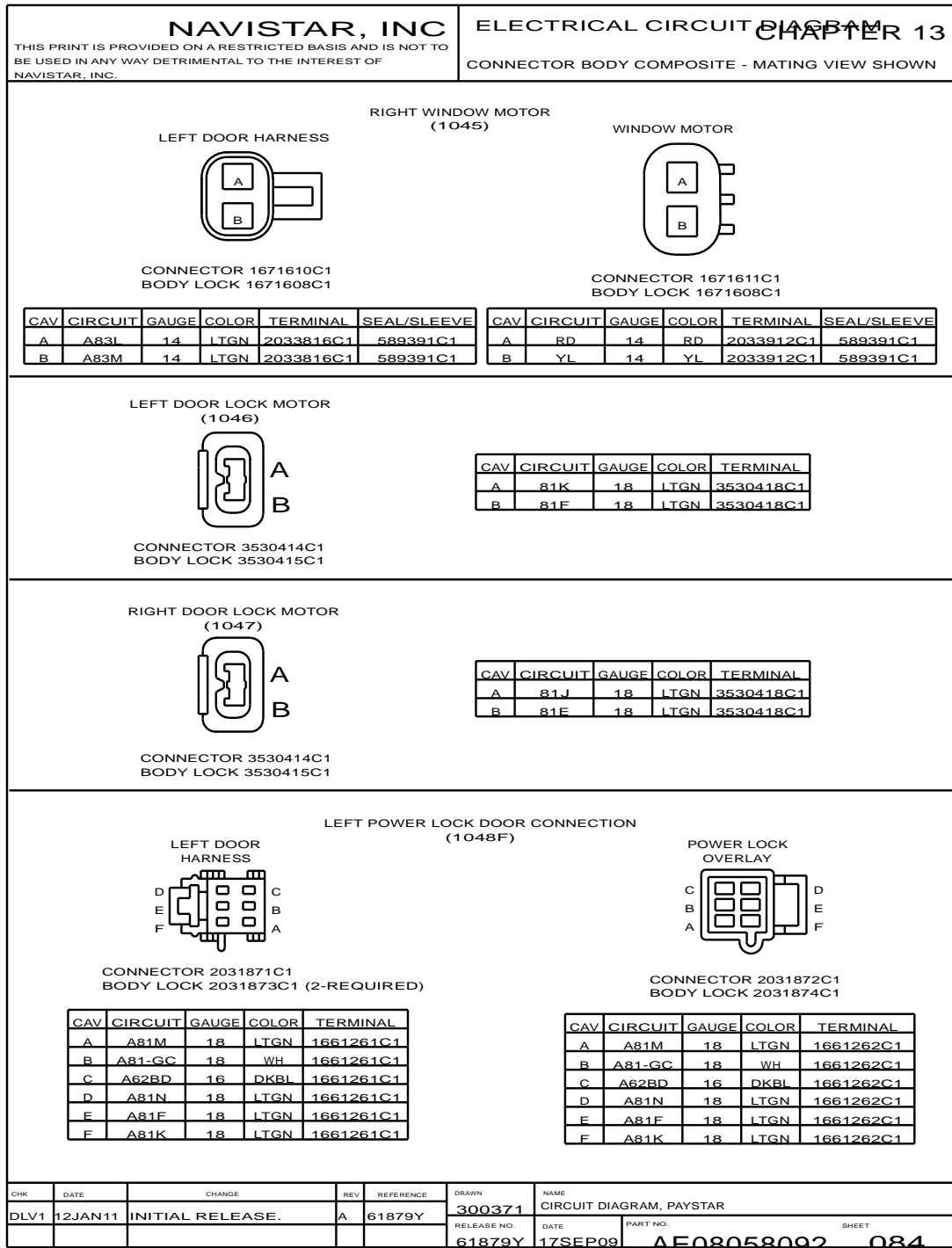


Figure 291 Connector Composites (1045 / 1046 / 1047 / 1048F)

13.105. CONNECTOR COMPOSITES (1049F / 1050M / 1051 / 1052 / 1054M), P. 85

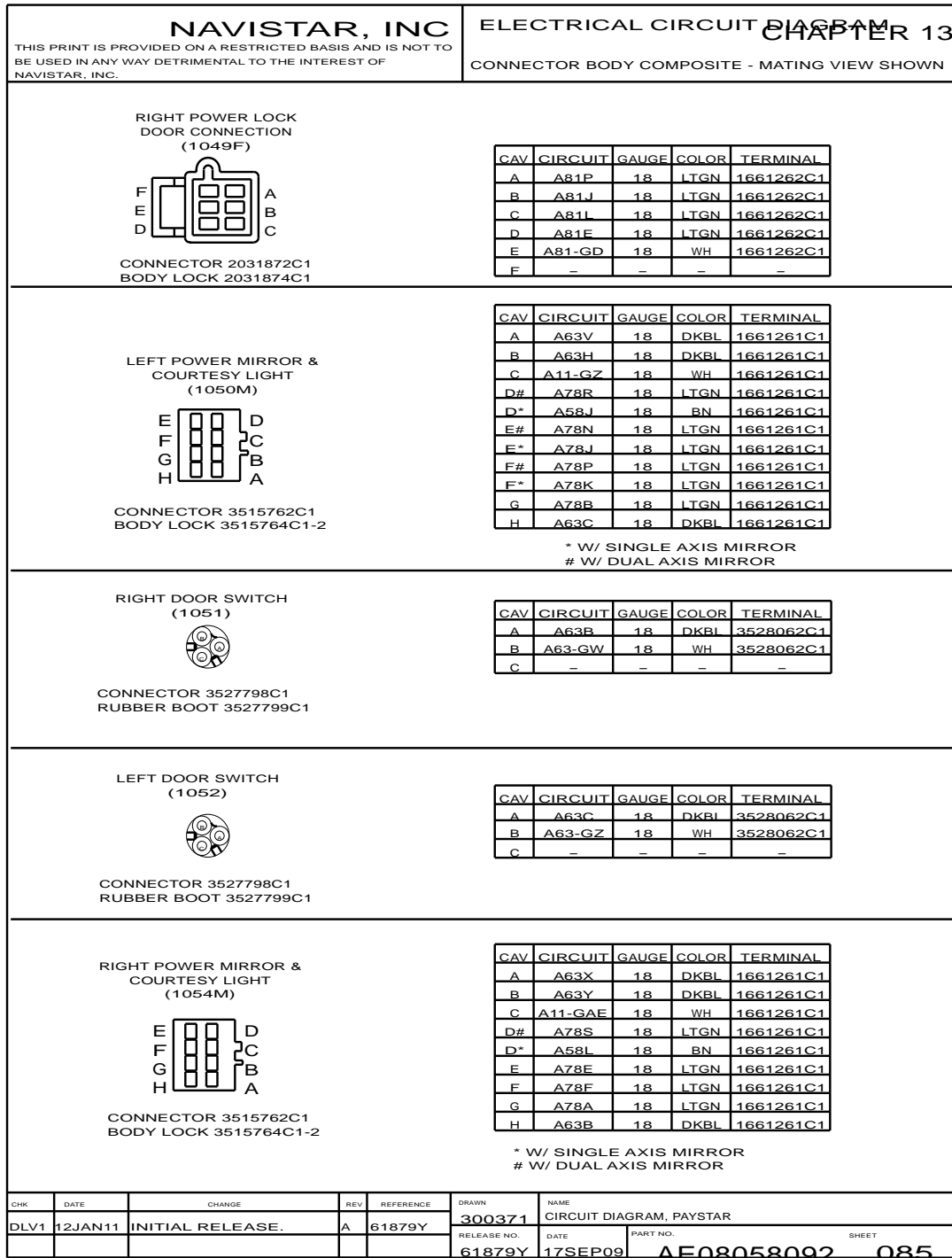


Figure 292 Connector Composites (1049F / 1050M / 1051 / 1052 / 1054M)

13.106. CONNECTOR COMPOSITES (1056M / 1057M / 1058M / 1059M / 1060M), P. 86

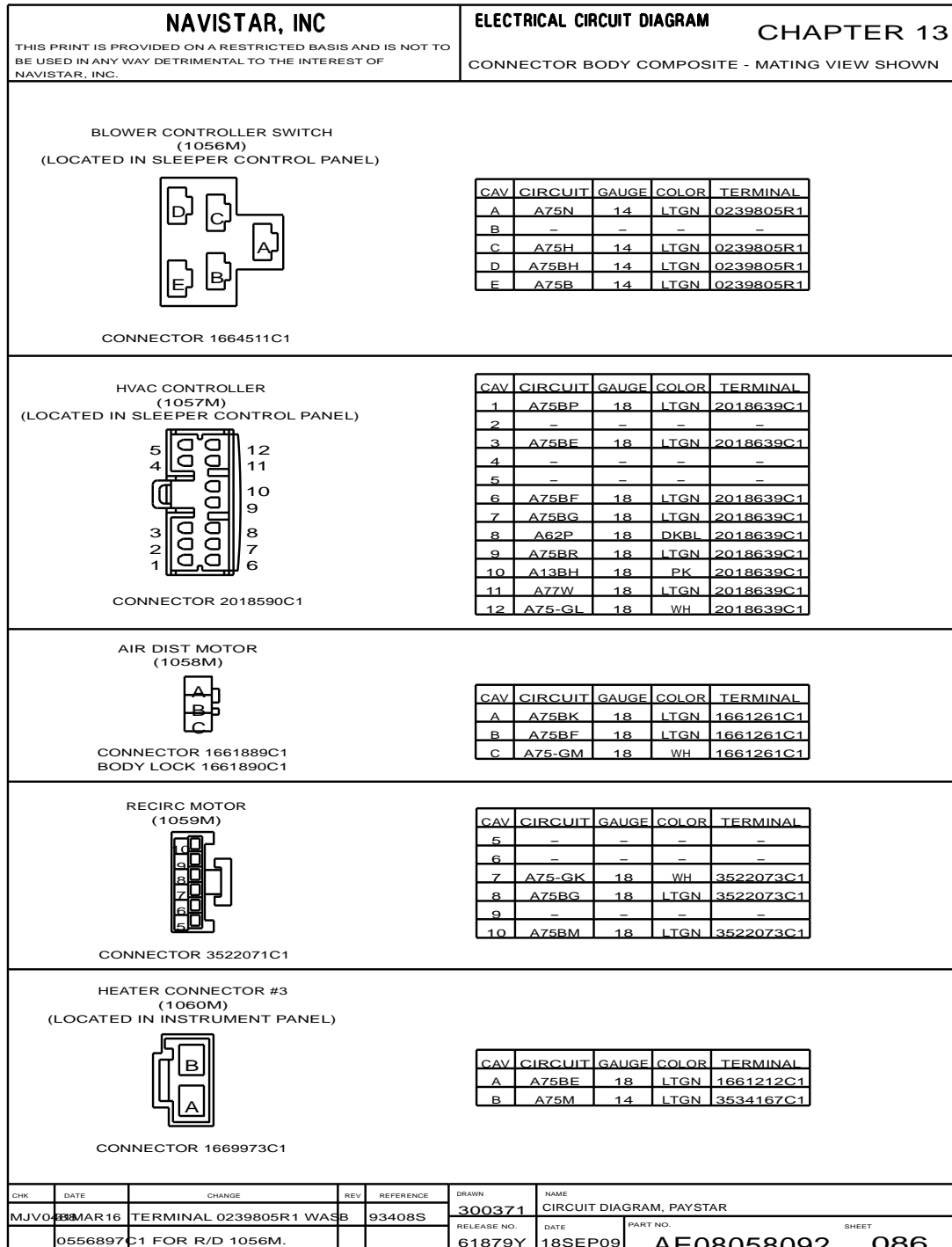


Figure 293 Connector Composites (1056M / 1057M / 1058M / 1059M / 1060M)

13.107. CONNECTOR COMPOSITES (1065M / 1085M / 1087M / 1090 / 1095F), P. 87

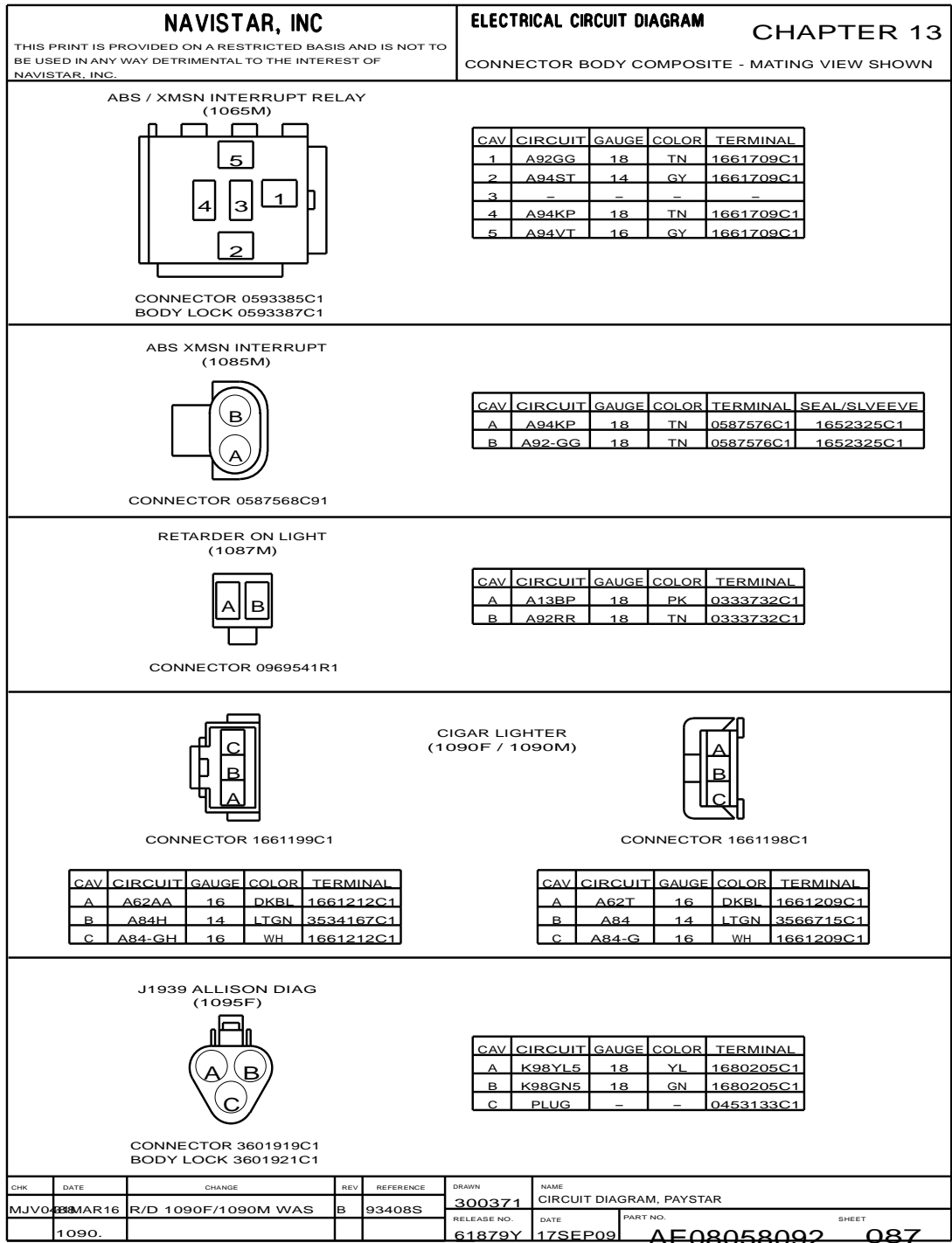


Figure 294 Connector Composites (1065M / 1085M / 1087M / 1090 / 1095F)

13.108. CONNECTOR COMPOSITES (1095F / 1097 / 1097F / 1098F), P. 88

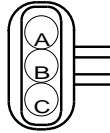
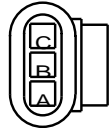
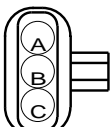
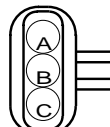
NAVISTAR, INC <small>THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF NAVISTAR, INC.</small>				ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13 CONNECTOR BODY COMPOSITE - MATING VIEW SHOWN																																																																																																	
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Figure 295 Connector Composites (1095F / 1097 / 1097F / 1098F)

13.109. CONNECTOR COMPOSITES (1099 / 1110 / 1125 / 1126), P. 89

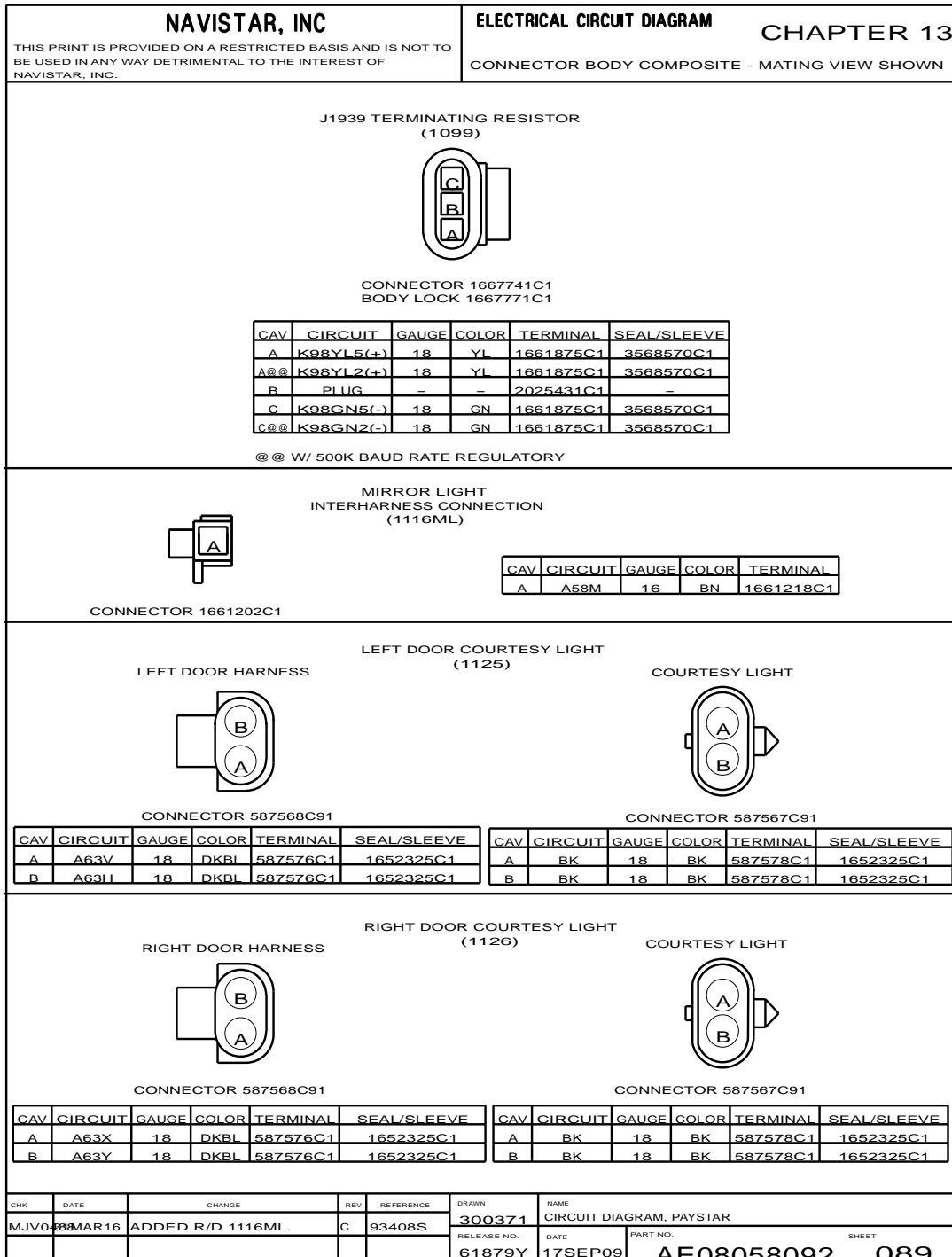


Figure 296 Connector Composites (1099 / 1110 / 1125 / 1126)

13.110. CONNECTOR COMPOSITES (1127 / 1128), P. 90

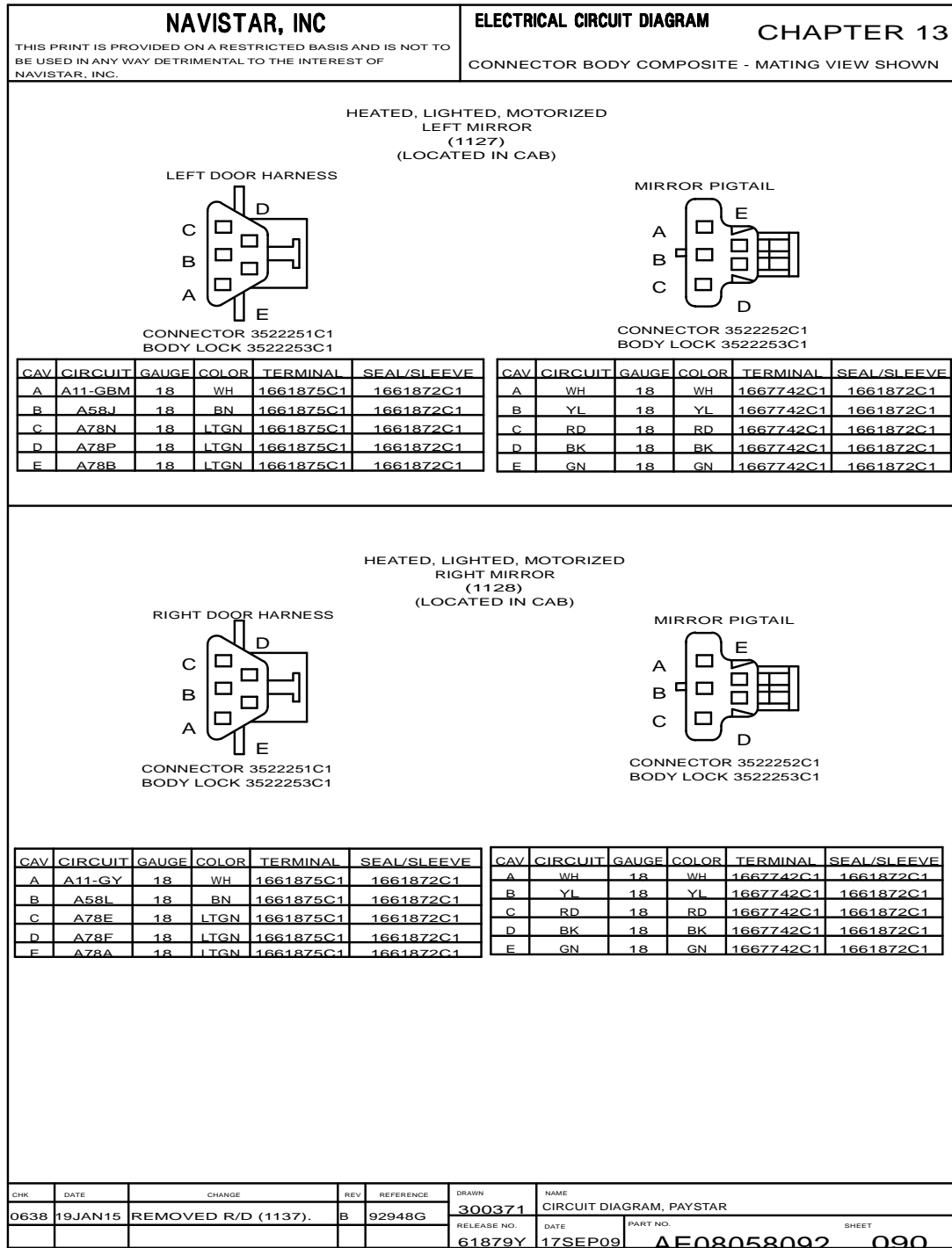


Figure 297 Connector Composites (1127 / 1128)

13.111. CONNECTOR COMPOSITES (1135M / 1137), P. 90A

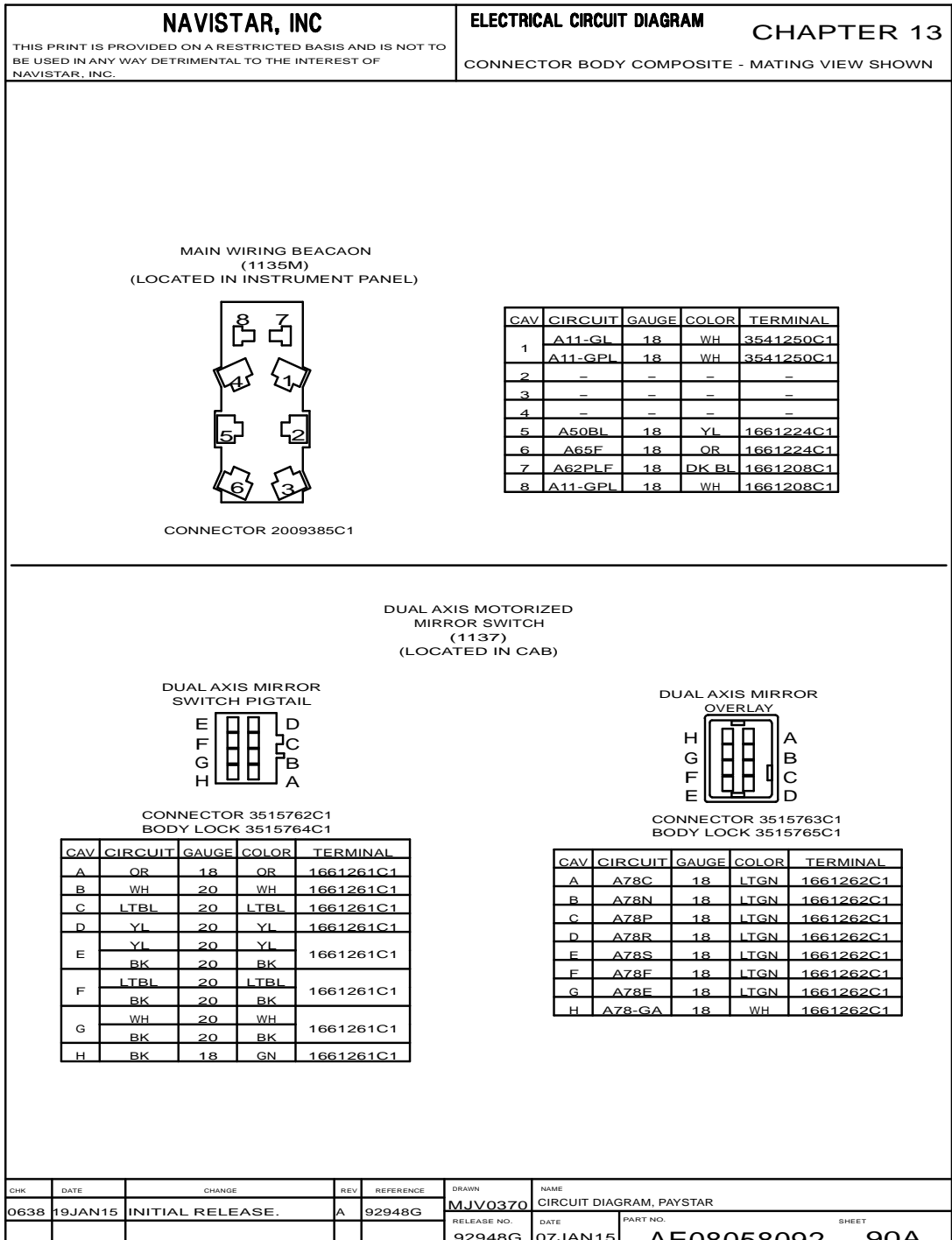


Figure 298 Connector Composites (1135M / 1137)

13.112. CONNECTOR COMPOSITES (1157F / 1158M / 1160F / 1161F, 1162F, 1163F, 1164F), P. 91

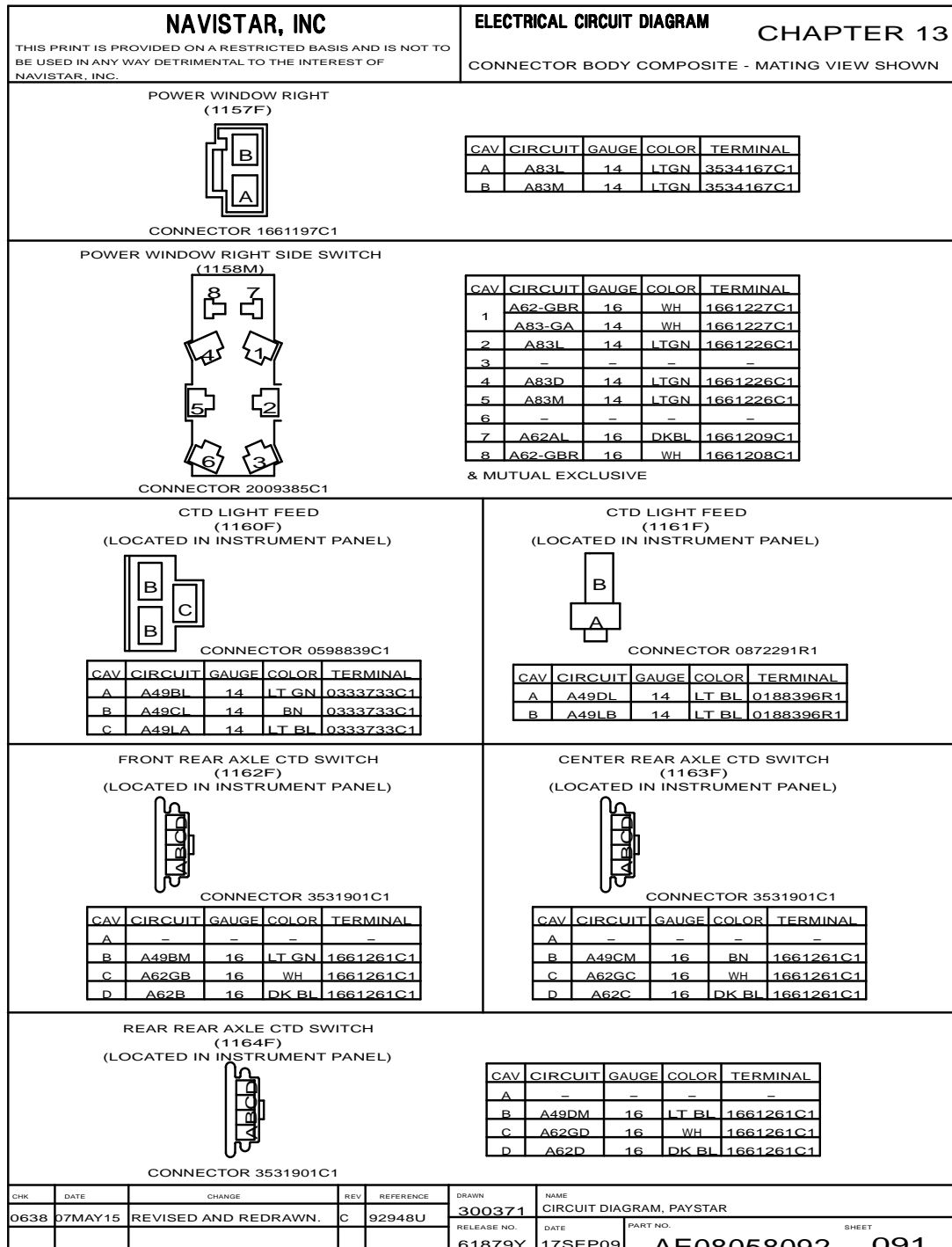


Figure 299 Connector Composites (1157F / 1158M / 1160F / 1161F, 1162F, 1163F, 1164F)

13.113. CONNECTOR COMPOSITE (1171M / 1190 / 1190F), P. 91A

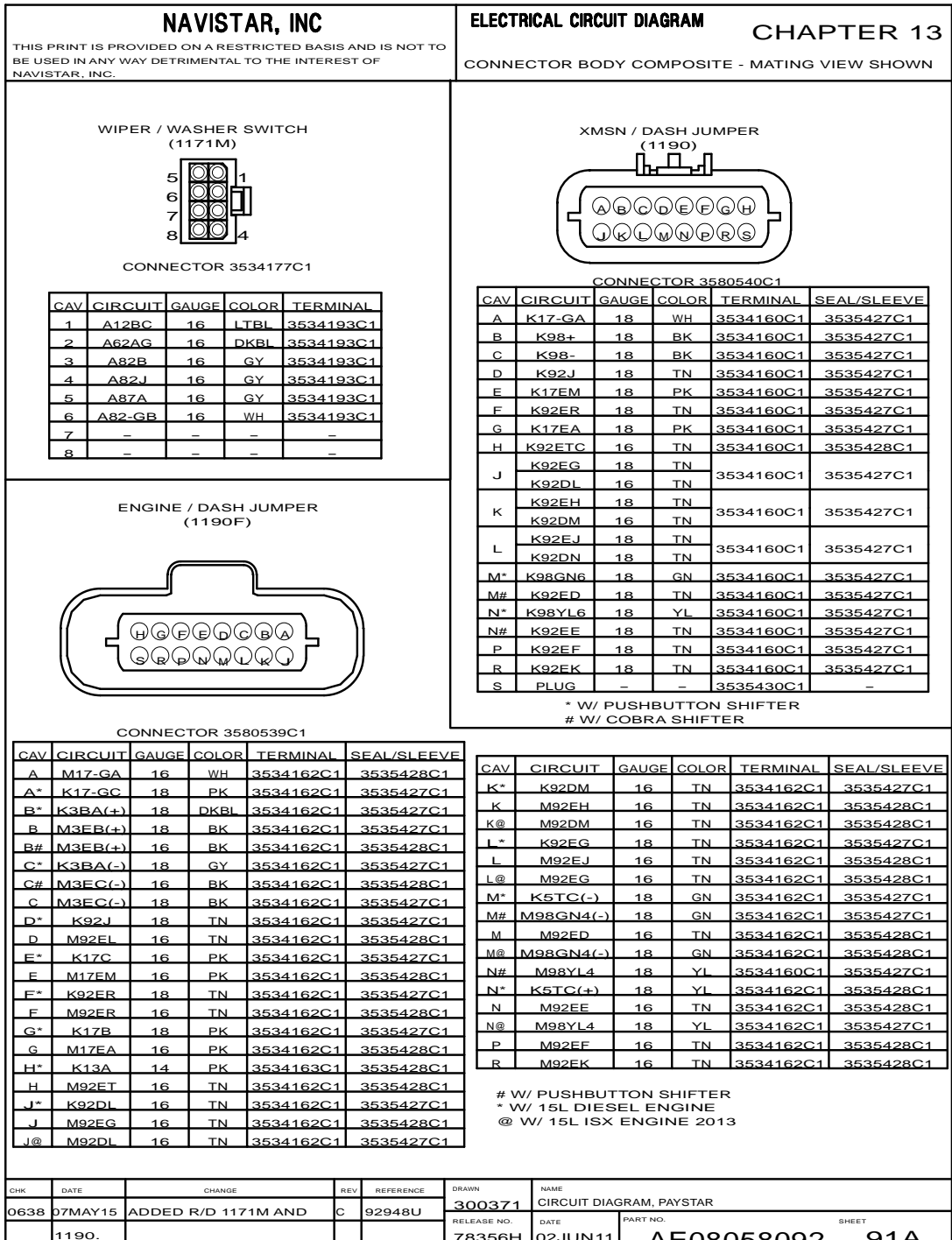


Figure 300 Connector Composite (1171M / 1190 / 1190F)

13.114. CONNECTOR COMPOSITES (1217M / 1240 / 1258F / 1260F / 1262), P. 92

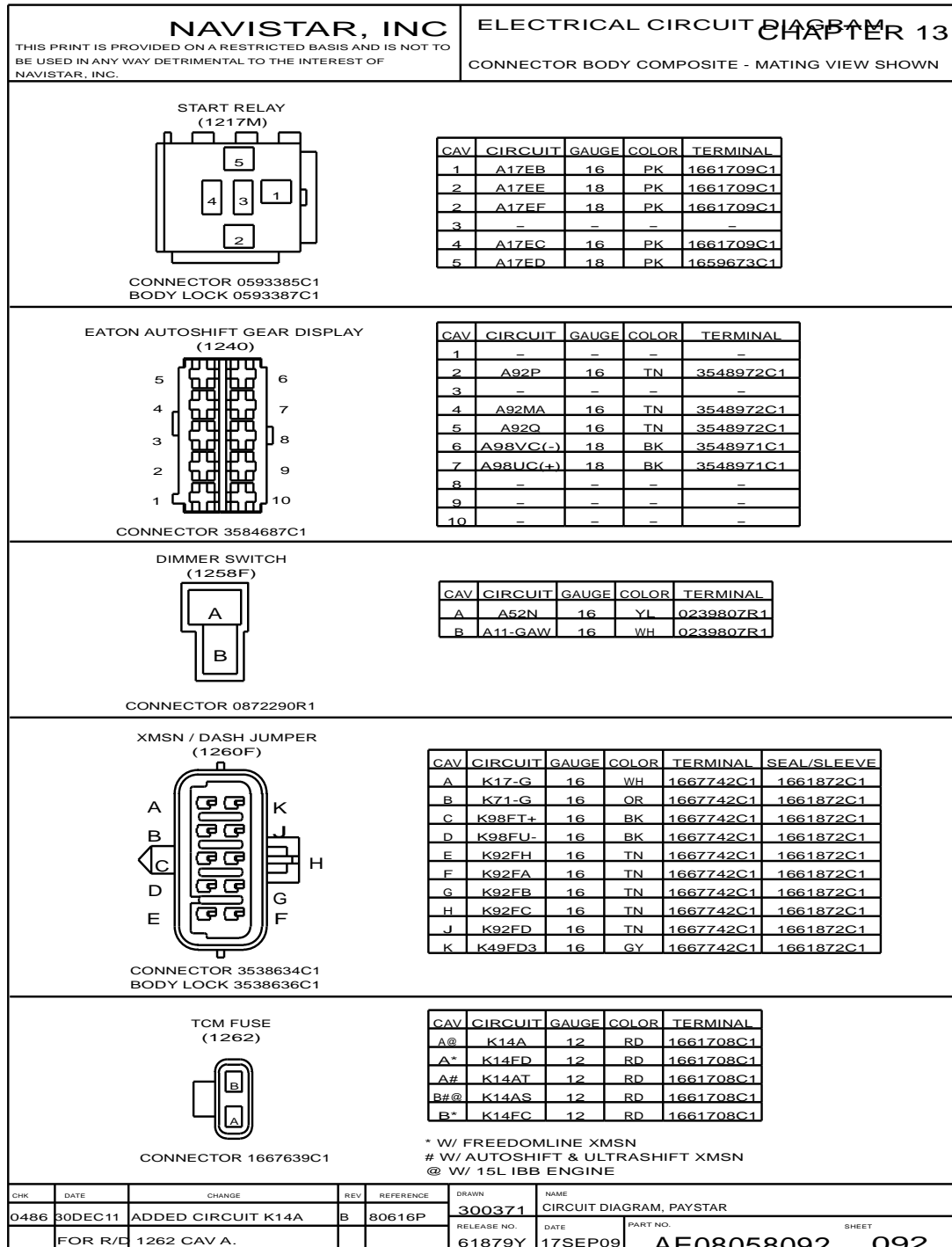


Figure 301 Connector Composites (1217M / 1240 / 1258F / 1260F / 1262)

13.115. CONNECTOR COMPOSITES (1281M / 1282M / 1283 / 1284 / 1285F), P. 93

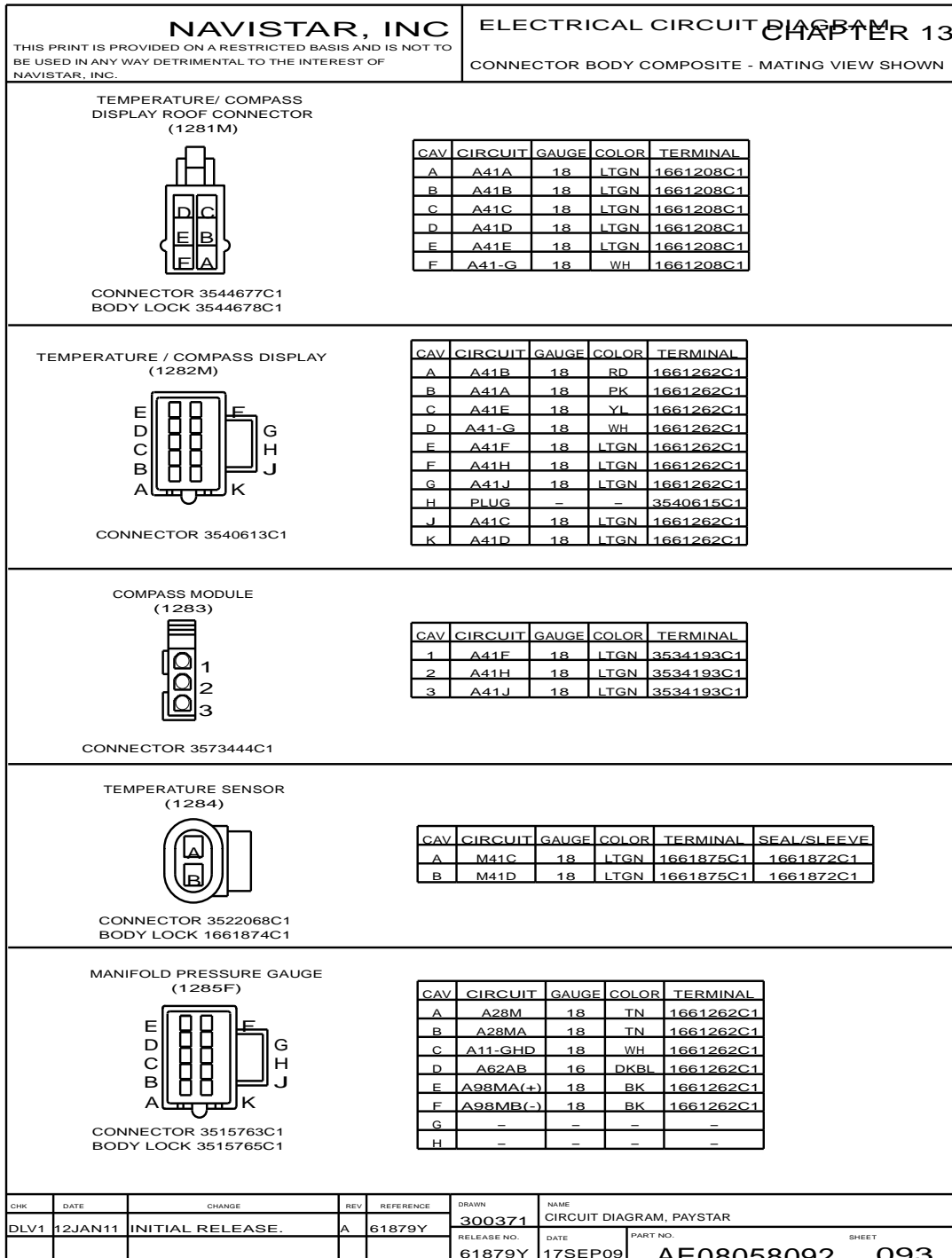


Figure 302 Connector Composites (1281M / 1282M / 1283 / 1284 / 1285F)

13.116. CONNECTOR COMPOSITES (1286F / 1308 / 1309M / 1329M / 1330 / 1331F / 1332F), P. 94

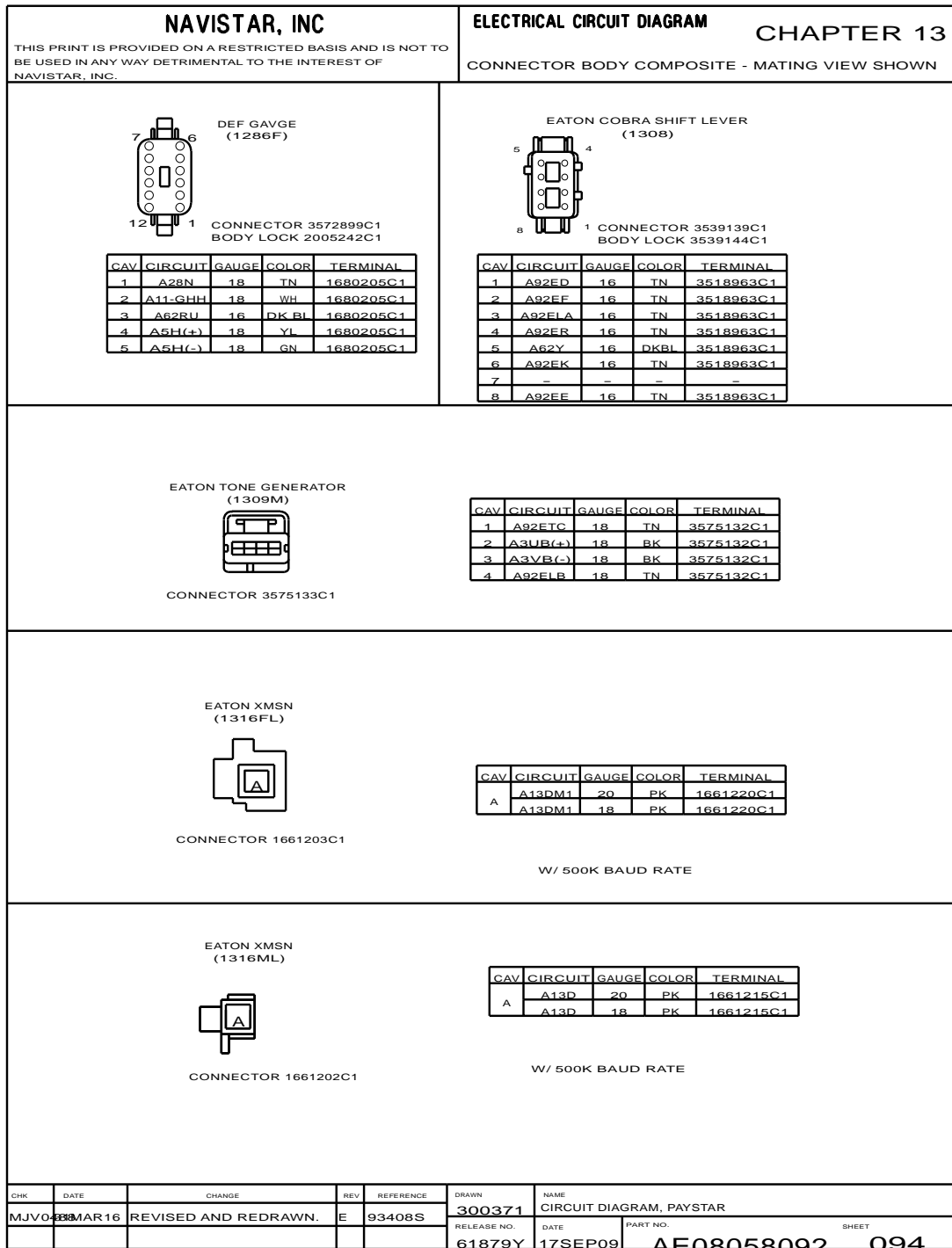


Figure 303 Connector Composites (1286F / 1308 / 1309M / 1329M / 1330 / 1331F / 1332F)

13.117. CONNECTOR COMPOSITES (1329M / 1330 / 1331F / 1332F), P. 94A


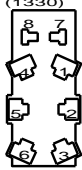


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<p>BUMPER MTD MARKER LIGHT (1329M)</p>  <p>CONNECTOR 1671610C1 BODY LOCK 1671608C1</p>				<table border="1" style="width:100%; border-collapse: collapse; font-size: x-small;"> <thead> <tr> <th>CAV</th> <th>CIRCUIT</th> <th>GAUGE</th> <th>COLOR</th> <th>TERMINAL</th> <th>SEAL/SLEEVE</th> </tr> </thead> <tbody> <tr> <td>*A</td> <td>M58ML</td> <td>18</td> <td>BN</td> <td>2033819C1</td> <td>1652325C1</td> </tr> <tr> <td>#A</td> <td>M58ML</td> <td>18</td> <td>BN</td> <td>2033819C1</td> <td>1652325C1</td> </tr> <tr> <td>B</td> <td>M58-GML</td> <td>18</td> <td>WH</td> <td>2033819C1</td> <td>1652325C1</td> </tr> <tr> <td>*B</td> <td>M11-GML</td> <td>18</td> <td>WH</td> <td>2033819C1</td> <td>1652325C1</td> </tr> <tr> <td>#B</td> <td>M11-GML</td> <td>18</td> <td>WH</td> <td>2033819C1</td> <td>1652325C1</td> </tr> </tbody> </table> <p style="font-size: x-small; text-align: center;">* W/ 15L DIESEL ENGINE # W/ 15L ISX ENGINE 2013</p>				CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE	*A	M58ML	18	BN	2033819C1	1652325C1	#A	M58ML	18	BN	2033819C1	1652325C1	B	M58-GML	18	WH	2033819C1	1652325C1	*B	M11-GML	18	WH	2033819C1	1652325C1	#B	M11-GML	18	WH	2033819C1	1652325C1									
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*B	M11-GML	18	WH	2033819C1	1652325C1																																															
#B	M11-GML	18	WH	2033819C1	1652325C1																																															
<p>SHAFT STOP (1330)</p>  <p>CONNECTOR 2009385C1</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>1</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>2</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>3</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>4</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>5</td><td>A92TM</td><td>18</td><td>TN</td><td>1661224C1</td></tr> <tr><td>6</td><td>A92TN</td><td>18</td><td>TN</td><td>1661224C1</td></tr> <tr><td>7</td><td>A62SD</td><td>18</td><td>LTR</td><td>1661208C1</td></tr> <tr><td>8</td><td>A92-GA</td><td>18</td><td>WH</td><td>1661208C1</td></tr> </tbody> </table>				CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	1	-	-	-	-	2	-	-	-	-	3	-	-	-	-	4	-	-	-	-	5	A92TM	18	TN	1661224C1	6	A92TN	18	TN	1661224C1	7	A62SD	18	LTR	1661208C1	8	A92-GA	18	WH	1661208C1
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL																																																
1	-	-	-	-																																																
2	-	-	-	-																																																
3	-	-	-	-																																																
4	-	-	-	-																																																
5	A92TM	18	TN	1661224C1																																																
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<p>DRIVERS HEATED SEAT CONNECTOR (1331F)</p>  <p>CONNECTOR 0587567C91</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>WHITE</td> <td>18</td> <td>WH</td> <td>0587578C1</td> <td>1652325C1</td> </tr> <tr> <td>B</td> <td>BLACK</td> <td>18</td> <td>BK</td> <td>0587578C1</td> <td>1652325C1</td> </tr> </tbody> </table>				CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE	A	WHITE	18	WH	0587578C1	1652325C1	B	BLACK	18	BK	0587578C1	1652325C1																											
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE																																															
A	WHITE	18	WH	0587578C1	1652325C1																																															
B	BLACK	18	BK	0587578C1	1652325C1																																															
<p>PASSENGERS HEATED SEAT CONNECTOR (1332F)</p>  <p>CONNECTOR 0587567C91</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>A38</td> <td>18</td> <td>WH</td> <td>0587578C1</td> <td>1652325C1</td> </tr> <tr> <td>B</td> <td>A38</td> <td>18</td> <td>RD</td> <td>0587578C1</td> <td>1652325C1</td> </tr> </tbody> </table>				CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE	A	A38	18	WH	0587578C1	1652325C1	B	A38	18	RD	0587578C1	1652325C1																											
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE																																															
A	A38	18	WH	0587578C1	1652325C1																																															
B	A38	18	RD	0587578C1	1652325C1																																															
CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME																																														
MJVO	13MAR16	INITIAL RELEASE.	A	93408S	MJVO223	CIRCUIT DIAGRAM, PAYSTAR																																														
RELEASE NO.		DATE		PART NO.		SHEET																																														
93408S		20JAN16		AE08058092		94A																																														

Figure 304 Connector Composites (1329M / 1330 / 1331F / 1332F)

13.118. CONNECTOR COMPOSITES (1339 / 1342 / 1348), P. 95

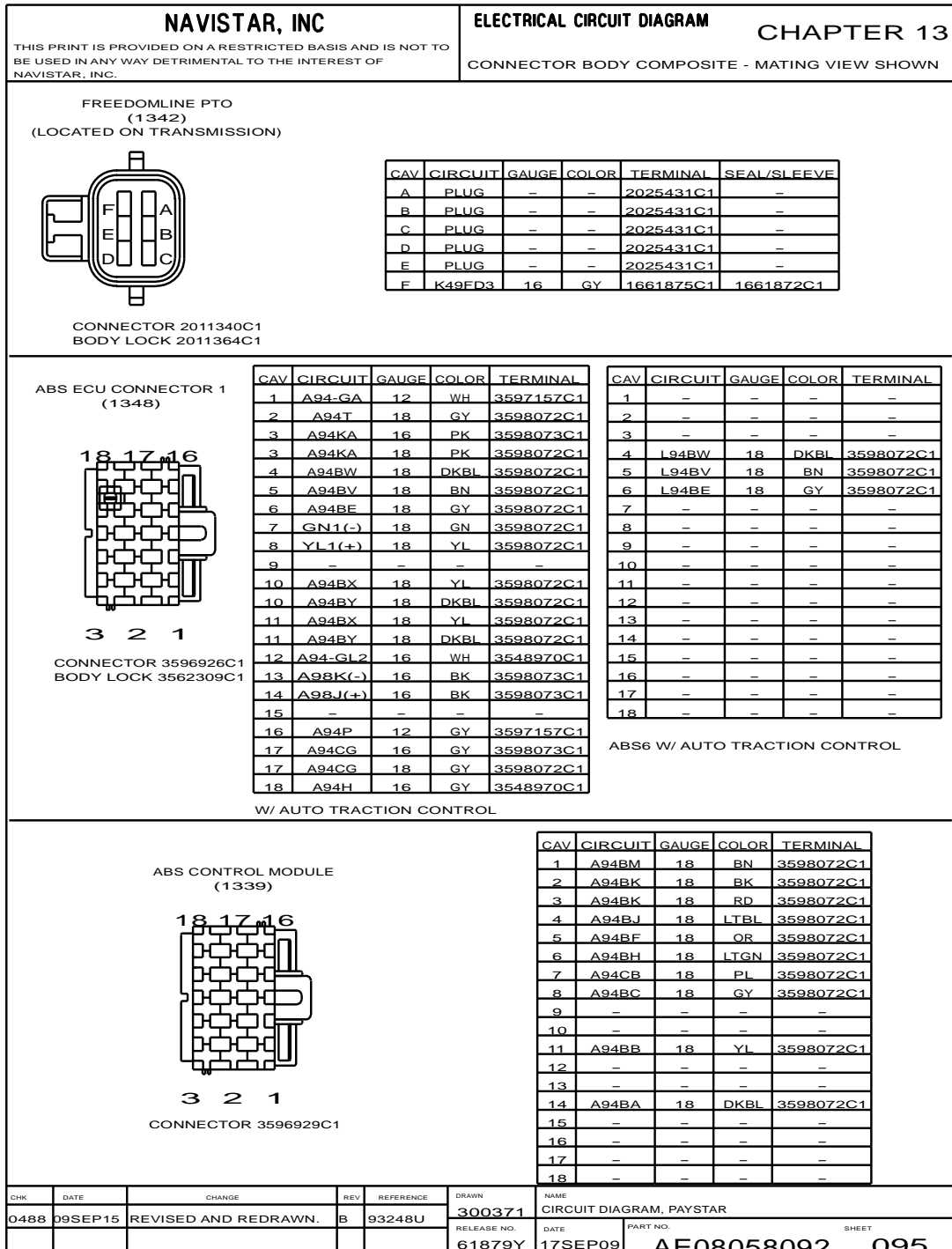


Figure 305 Connector Composites (1339 / 1342 / 1348)

13.119. CONNECTOR COMPOSITES (1349 / 1350), P. 96

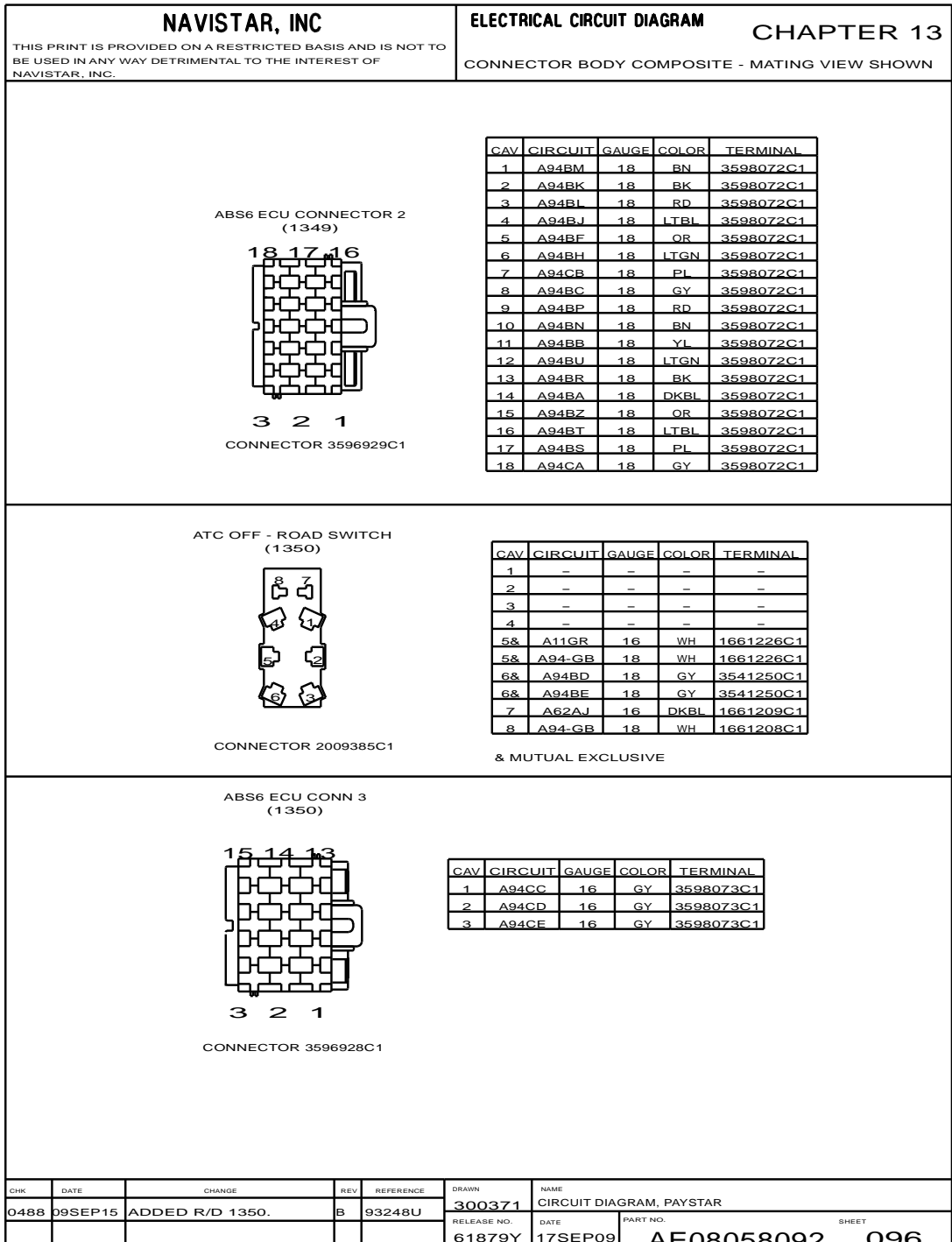


Figure 306 Connector Composites (1349 / 1350)

13.120. CONNECTOR COMPOSITES (1351 / 1360), P. 96A

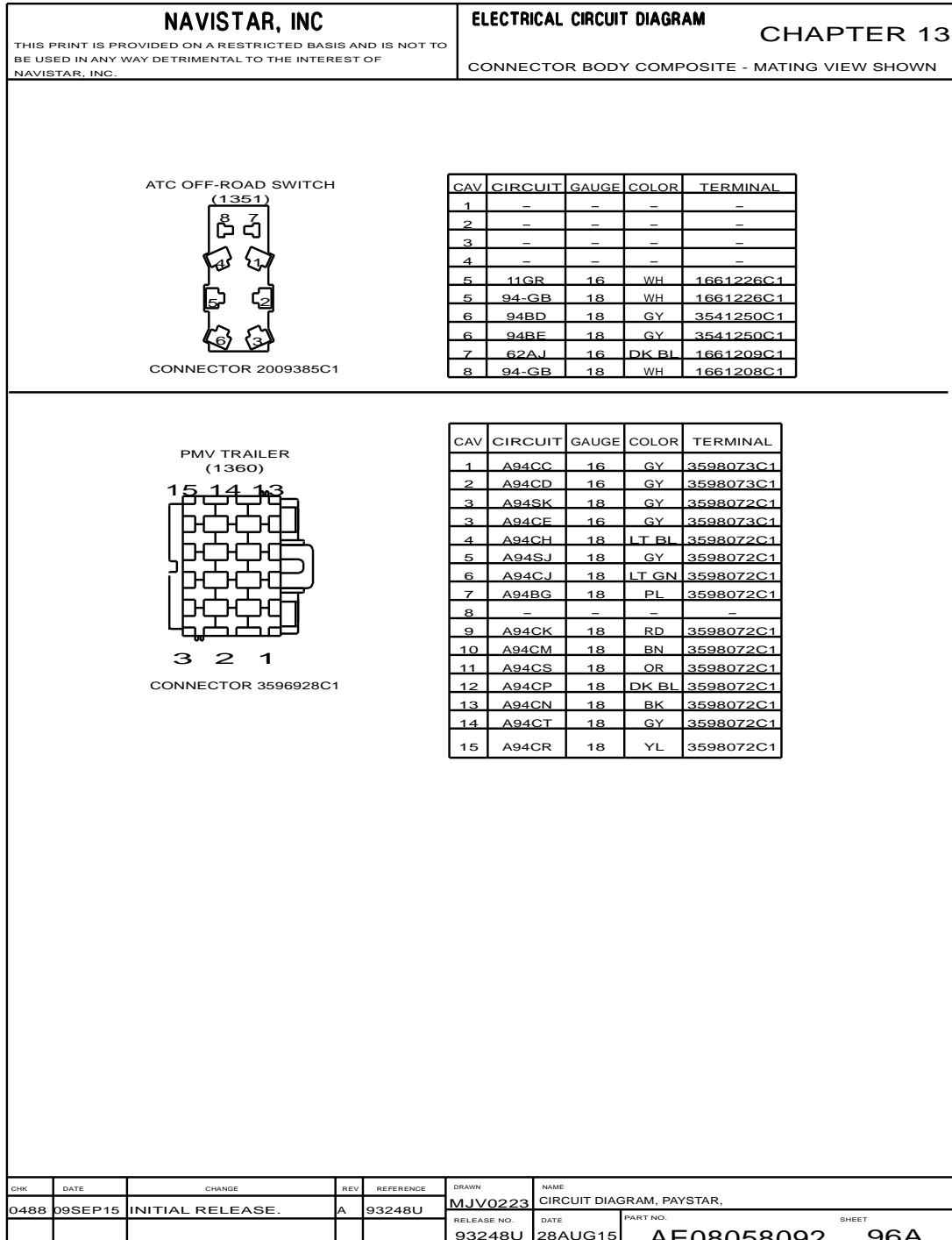


Figure 307 Connector Composites (1351 / 1360)

13.121. CONNECTOR COMPOSITES (1361 / 1363 / 1364), P. 97

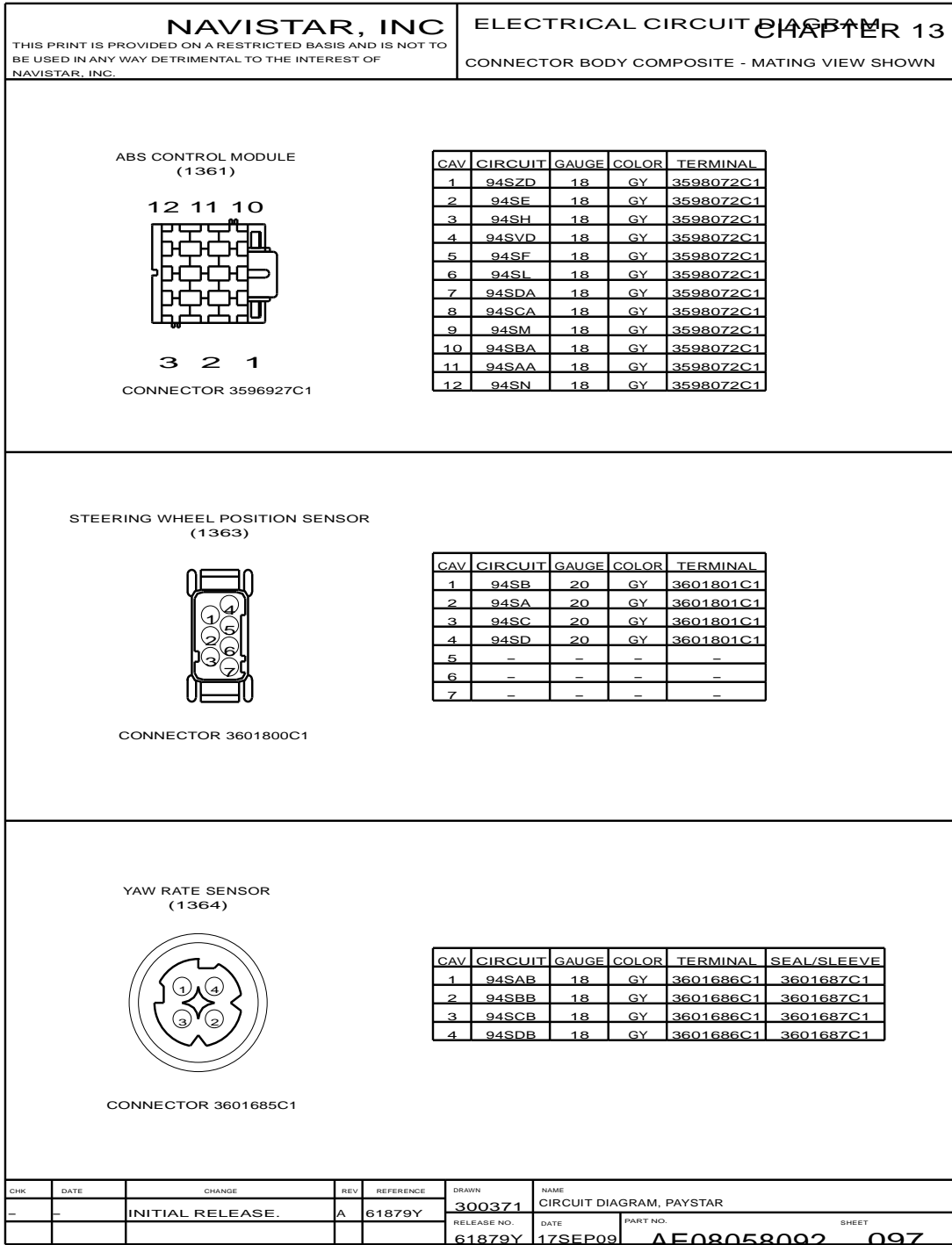


Figure 308 Connector Composites (1361 / 1363 / 1364)

13.122. CONNECTOR COMPOSITES (1366 / 1367 / 1368F / 1369), P. 98

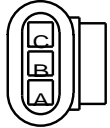

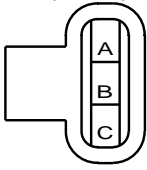
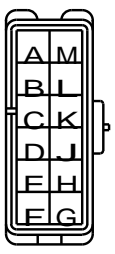
NAVISTAR, INC				ELECTRICAL CIRCUIT DIAGRAM		CHAPTER 13																																																																		
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<p>PRESSURE SENSOR 2 (1366) (LOCATED AT OUT SIDE RIGHT DASH PANEL)</p>  <p>CONNECTOR 1667741C1 BODY LOCK 1667771C1</p>																																																																								
<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>BL</td> <td>18</td> <td>BL</td> <td>1661875C1</td> </tr> <tr> <td>B</td> <td>WH</td> <td>18</td> <td>WH</td> <td>1661875C1</td> </tr> <tr> <td>C</td> <td>OR</td> <td>18</td> <td>OR</td> <td>1661875C1</td> </tr> </tbody> </table>								CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	A	BL	18	BL	1661875C1	B	WH	18	WH	1661875C1	C	OR	18	OR	1661875C1																																													
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B	WH	18	WH	1661875C1																																																																				
C	OR	18	OR	1661875C1																																																																				
<p>PRESSURE SENSOR 3 (1367) (LOCATED AT RIGHT REAR AIR BAG)</p>  <p>CONNECTOR 1667741C1 BODY LOCK 1667771C1</p>																																																																								
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B	GN2	18	GN	1661875C1																																																																				
C	BN2	18	BN	1661875C1																																																																				
<p>TRAILER MODULATOR VALVE (1368F)</p>  <p>CONNECTOR 1686834C1 BODY LOCK 1664408C1</p>																																																																								
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3	BN/WH2	16	BN	2033819C1	1652325C1																																																																			
<p>ABS-6 RSP SPLICE PACK CAP (1369) (LOCATED IN INSTRUMENT PANEL - CENTER)</p>  <p>CONNECTOR 3601838C1 BODY LOCK 3601839C1</p>																																																																								
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CAV	CIRCUIT	GAUGE	COLOR	TERMINAL																																																																				
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E	A94SCB	18	GY	3534164C1																																																																				
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CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME																																																																		
0488	09SEP15	ADDED R/D 1369.	C	93248U	300371	CIRCUIT DIAGRAM, PAYSTAR																																																																		
					RELEASE NO.	DATE	PART NO.																																																																	
					61879Y	17SEP09	AE08058092																																																																	
						SHEET	098																																																																	

Figure 309 Connector Composites (1366 / 1367 / 1368F / 1369)

13.123. CONNECTOR COMPOSITES (1370 / 1378 / 1386 / 1387), P. 99

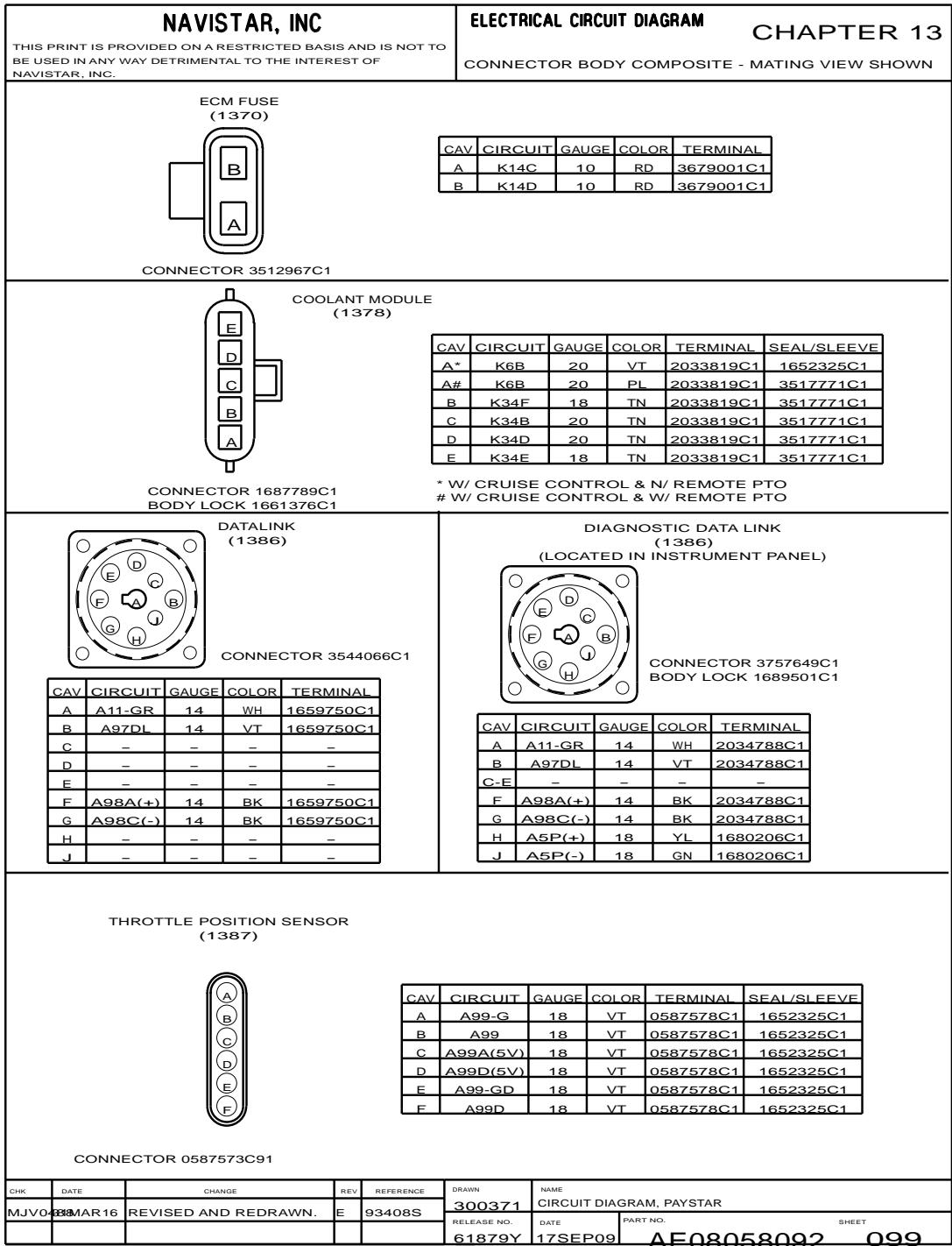


Figure 310 Connector Composites (1370 / 1378 / 1386 / 1387)

13.124. CONNECTOR COMPOSITES (1402 / 1403 / 1404 / 1405), P. 99A

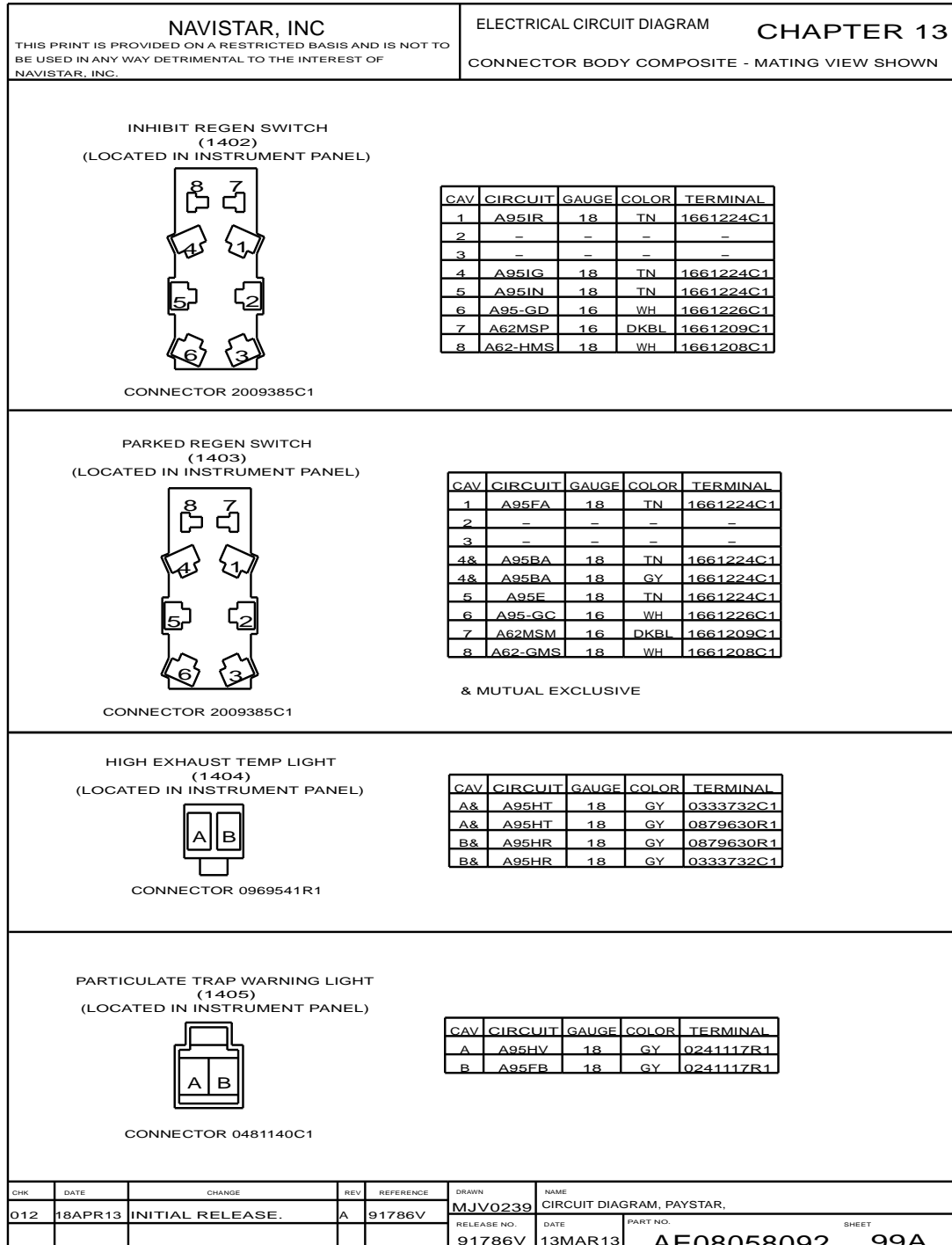


Figure 311 Connector Composites (1402 / 1403 / 1404 / 1405)

13.125. CONNECTOR COMPOSITES (1406 / 1407 / 1415), P. 99B

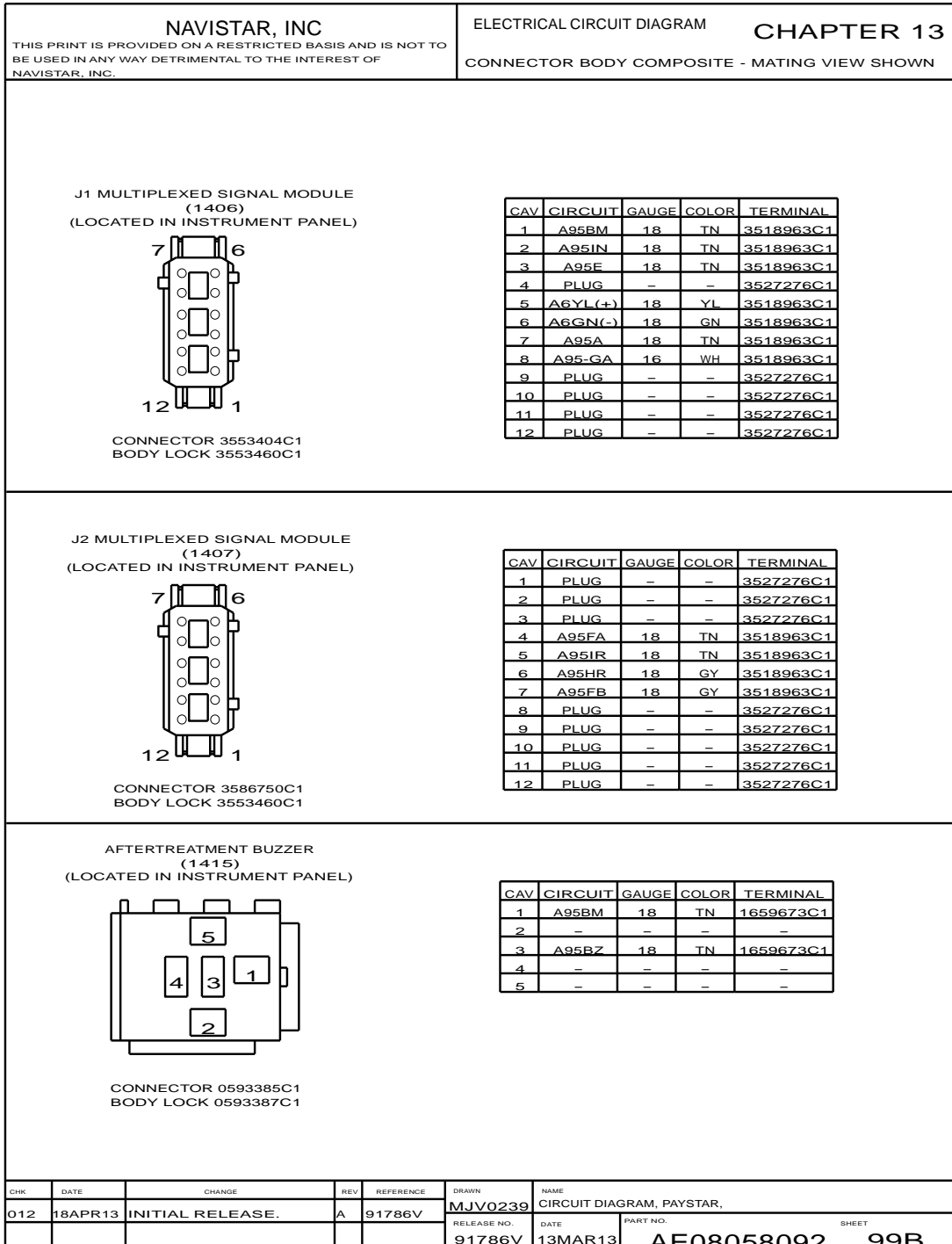
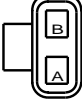

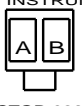
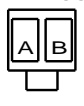






Figure 312 Connector Composites (1406 / 1407 / 1415)

13.126. CONNECTOR COMPOSITES (1431 / 1449F / 1449M / 1450 / 1451 / 1455 / 1456 / 1461M / 1610), P. 99C

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					CONNECTOR BODY COMPOSITE - MATING VIEW SHOWN				
PURGE PUMP FUSE (1431) (LOCATED IN ENGINE)					ROOF WIRING (1449F) (LOCATED IN INSTRUMENT PANEL)				
									
CONNECTOR 1661639C1					CONNECTOR 0481140C1				
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A	K14C	10	RD	2034787C1	A	C11-GBL	18	WH	0241117R1
B	K14D	10	RD	2034787C1	B	C65F	18	OR	0241117R1
MAIN WIRING BEACON (1449M) (LOCATED IN INSTRUMENT PANEL)					ROOF WIRING (1450) (LOCATED IN ROOF PANEL)				
									
CONNECTOR 0969541R1					CONNECTOR 1661259C1				
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A	A11-GBL	18	WH	0333732C1	A	C11-GBR	18	WH	1661261C1
B	A65F	18	OR	0333732C1	B	C65FR	18	OR	1661261C1
ROOF WIRING (1451) (LOCATED IN ROOF PANEL)					WAIT TO START (1455) (LOCATED IN INSTRUMENT PANEL)				
									
CONNECTOR 1661259C1					CONNECTOR 1661260C1 BODY LOCK 1661264C1				
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A	C11-GBT	18	WH	1661261C1	A	A97S	18	VT	1661262C1
B	C65FT	18	OR	1661261C1	B	A97WTS	18	VT	1661262C1
WATER IN FUEL (1456) (LOCATED IN INSTRUMENT PANEL)					REMOTE AC CONDENSER (1461M) (LOCATED IN ENGINE)				
									
CONNECTOR 1661259C1 BODY LOCK 1661263C1					CONNECTOR 0587568C91				
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A	A97F	18	VT	1661261C1	A	K23C	18	TN	0587576C1
B	A97WF	18	VT	1661261C1	B	K23AC	18	TN	0587576C1

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME	SHEET
MJVO	13MAR16	RMVD R/D 1610.	C	93408S	MJV0239	CIRCUIT DIAGRAM, PAYSTAR	99C
					RELEASE NO.	DATE	PART NO.
					91786V	13MAR13	AE08058092

Figure 313 Connector Composites (1431 / 1449F / 1449M / 1450 / 1451 / 1455 / 1456 / 1461M / 1610)

13.127. CONNECTOR COMPOSITES (1600 / 1601), P. 99D

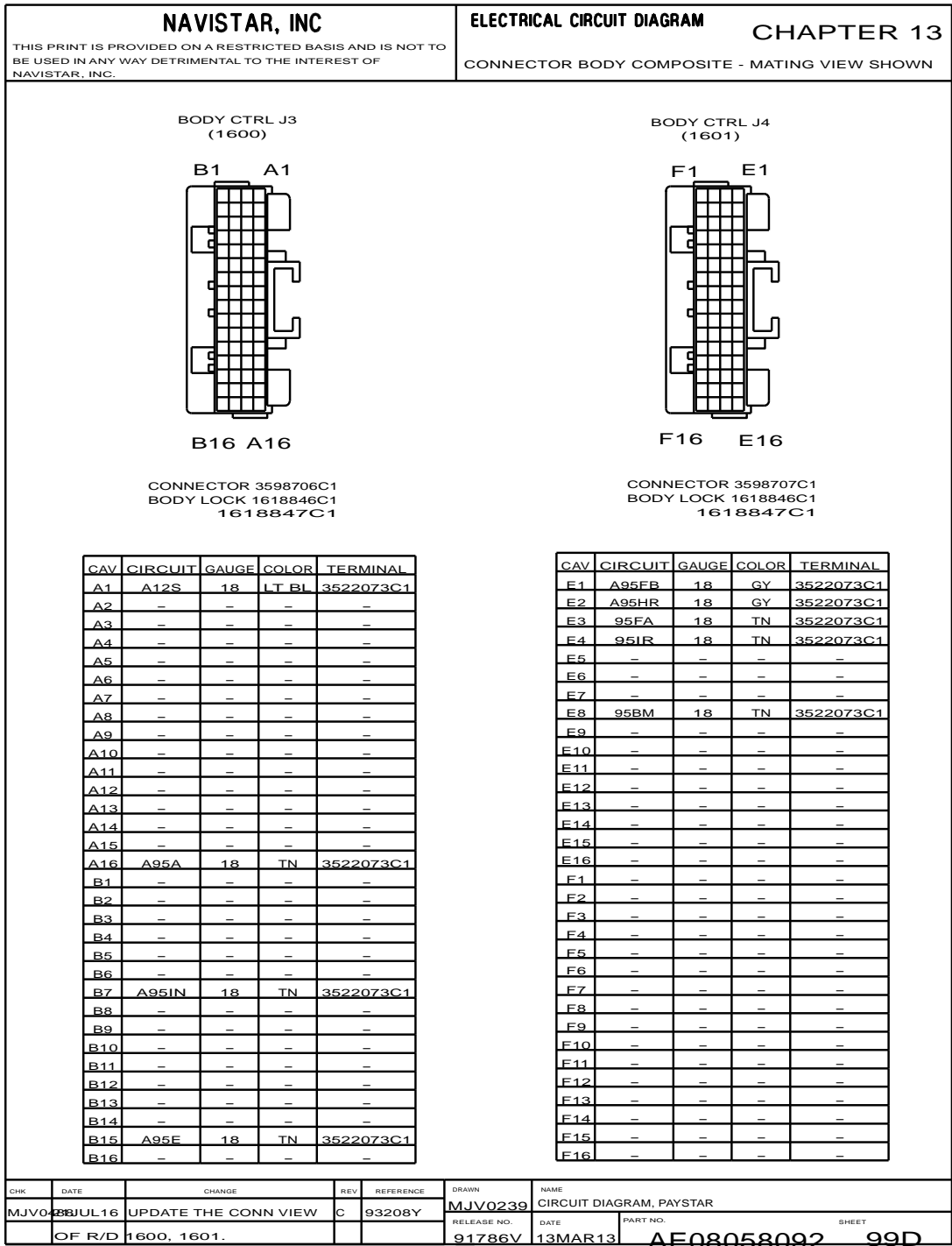


Figure 314 Connector Composites (1600 / 1601)

13.128. CONNECTOR COMPOSITES (1602 / 1604 / 1606 / 1610), P. 99E

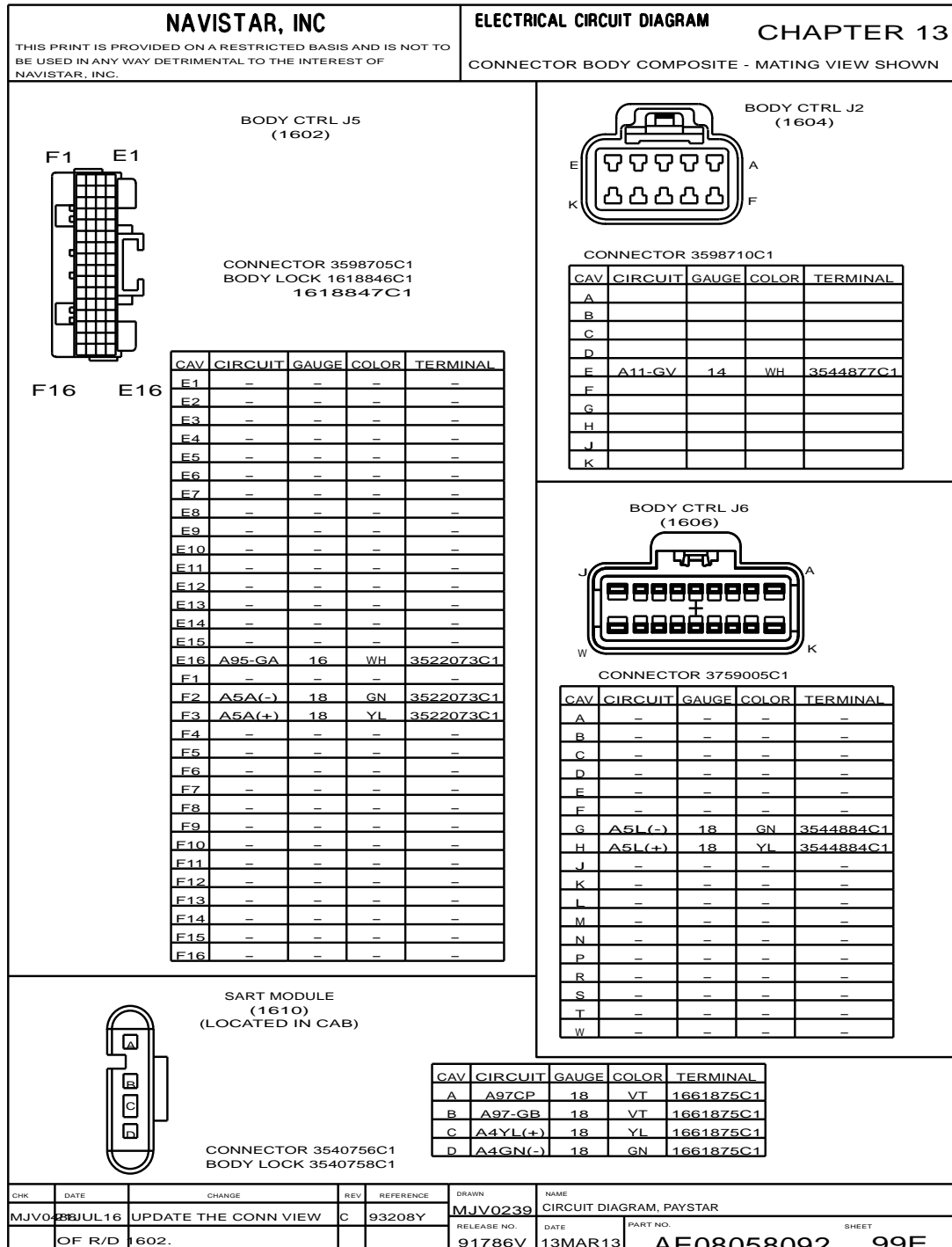


Figure 315 Connector Composites (1602 / 1604 / 1606 / 1610)

13.129. CONNECTOR COMPOSITES (1874A / 1874B / 1874C / 1874D / 2000M / 4322 / 4328), P. 99F




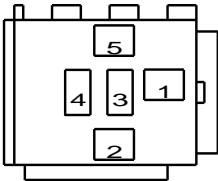


NAVISTAR, INC				ELECTRICAL CIRCUIT DIAGRAM				CHAPTER 13																																																			
THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF NAVISTAR, INC.				CONNECTOR BODY COMPOSITE - MATING VIEW SHOWN																																																							
DAVCO WIF SENSOR (1874A)  CONNECTOR 3590390C1						RACOR WIF SENSOR (1874B) (LOCATED AT INSTRUMENT PANEL CENTER)  CONNECTOR 3590390C1																																																					
<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>K95</td> <td>20</td> <td>TN</td> <td>3536865C1</td> <td>3536867C1</td> </tr> <tr> <td>2</td> <td>K95-GF</td> <td>18</td> <td>TN</td> <td>3536865C1</td> <td>3536868C1</td> </tr> </tbody> </table>						CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE	1	K95	20	TN	3536865C1	3536867C1	2	K95-GF	18	TN	3536865C1	3536868C1	<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>K95W</td> <td>18</td> <td>TN</td> <td>3561584C1</td> <td>3536867C1</td> </tr> <tr> <td>1*</td> <td>K95W</td> <td>20</td> <td>TN</td> <td>3536865C1</td> <td>3536867C1</td> </tr> <tr> <td>2</td> <td>K95-GF</td> <td>18</td> <td>WH</td> <td>3561584C1</td> <td>3536867C1</td> </tr> <tr> <td>2*</td> <td>K95-GF</td> <td>18</td> <td>TN</td> <td>3561584C1</td> <td>3536868C1</td> </tr> </tbody> </table> <p style="text-align: center; font-size: x-small;">* W/ 15L ISX ENGINE</p>						CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE	1	K95W	18	TN	3561584C1	3536867C1	1*	K95W	20	TN	3536865C1	3536867C1	2	K95-GF	18	WH	3561584C1	3536867C1	2*	K95-GF	18	TN	3561584C1	3536868C1
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE																																																						
1	K95	20	TN	3536865C1	3536867C1																																																						
2	K95-GF	18	TN	3536865C1	3536868C1																																																						
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE																																																						
1	K95W	18	TN	3561584C1	3536867C1																																																						
1*	K95W	20	TN	3536865C1	3536867C1																																																						
2	K95-GF	18	WH	3561584C1	3536867C1																																																						
2*	K95-GF	18	TN	3561584C1	3536868C1																																																						
RAYCOR WIF SENSOR (1874C/1874D)  CONNECTOR 3977821C1						<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>1</td> <td>K95</td> <td>18</td> <td>TN</td> <td>3526966C1</td> </tr> <tr> <td>2</td> <td>K95-GG</td> <td>18</td> <td>TN</td> <td>3526966C1</td> </tr> </tbody> </table>						CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	1	K95	18	TN	3526966C1	2	K95-GG	18	TN	3526966C1																																	
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2	K95-GG	18	TN	3526966C1																																																							
EATON ULTRASHIFT3 / DM3 XMSN RELAY (2000M)  CONNECTOR 0593385C1 BODY LOCK 0593387C1						<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>1</td> <td>A13DM2</td> <td>18</td> <td>PK</td> <td>1659673C1</td> </tr> <tr> <td>2</td> <td>A92EH</td> <td>16</td> <td>TN</td> <td>1661710C1</td> </tr> <tr> <td>3</td> <td>A13D</td> <td>18</td> <td>PK</td> <td>1659673C1</td> </tr> <tr> <td>4</td> <td>A92EG</td> <td>16</td> <td>TN</td> <td>1661710C1</td> </tr> <tr> <td>5</td> <td>A92EJ</td> <td>16</td> <td>TN</td> <td>1661710C1</td> </tr> </tbody> </table>						CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	1	A13DM2	18	PK	1659673C1	2	A92EH	16	TN	1661710C1	3	A13D	18	PK	1659673C1	4	A92EG	16	TN	1661710C1	5	A92EJ	16	TN	1661710C1																		
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5	A92EJ	16	TN	1661710C1																																																							
FREEDOMLINE J1939 (4322)  CONNECTOR 3602454C1 BODY LOCK 1655705C1						PRIVATE J1939 (4328)  CONNECTOR 3602454C1 BODY LOCK 1655705C1																																																					
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MJVO	13MAR16	INITIAL RELEASE.	A	93408S	MJVO223	RELEASE NO.		DATE	PART NO.	SHEET																																																	
					93408S	20JAN16		AE08058092		99F																																																	

Figure 316 Connector Composites (1874A / 1874B / 1874C / 1874D / 2000M / 4322 / 4328)

13.130. CONNECTOR COMPOSITES (4087 / 4705 / 4706), P. 99G

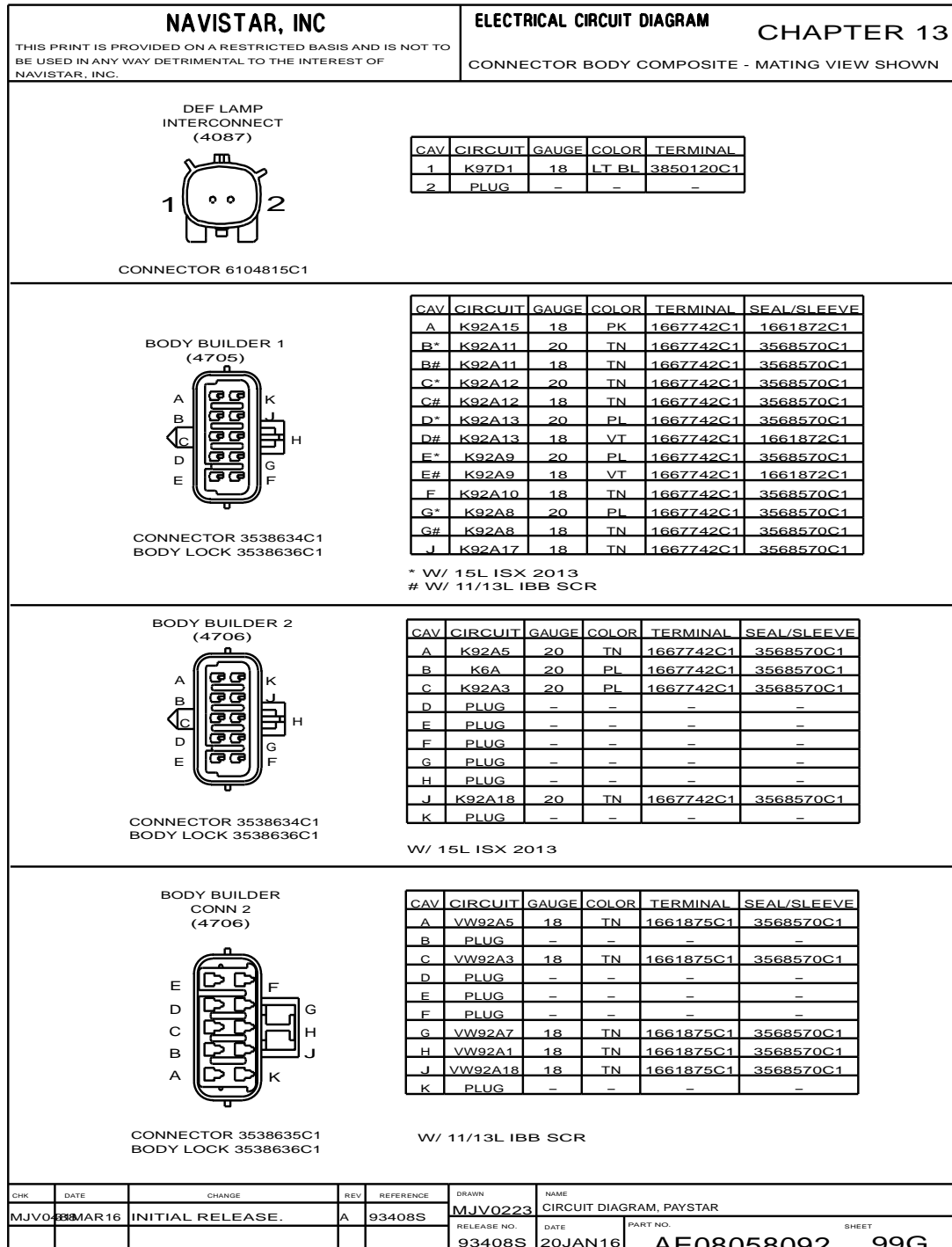


Figure 317 Connector Composites (4087 / 4705 / 4706)

13.131. CONNECTOR COMPOSITES (5501 / 5701L / 6000), P. 100

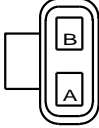

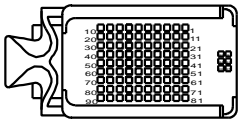
<p>NAVISTAR, INC</p> <p>THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF NAVISTAR, INC.</p>	<p>ELECTRICAL CIRCUIT DIAGRAM</p> <p style="text-align: right;">CHAPTER 13</p>																																																																																																																																																																																																																																	
<p>AFTERTREATMENT FUSE (5501)</p>  <p>CONNECTOR 3512967C1</p>	<table border="1" style="margin-left: auto; margin-right: auto;"> <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>K14B</td> <td>10</td> <td>RD</td> <td>3679001C1</td> </tr> <tr> <td>B</td> <td>K14C</td> <td>10</td> <td>RD</td> <td>3679001C1</td> </tr> </tbody> </table>	CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	A	K14B	10	RD	3679001C1	B	K14C	10	RD	3679001C1																																																																																																																																																																																																																		
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<p>(5701L)</p>  <p>CONNECTOR 1661203C1</p>	<table border="1" style="margin-left: auto; margin-right: auto;"> <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>A14AN</td> <td>10</td> <td>RD</td> <td>1661627C1</td> </tr> </tbody> </table>	CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	A	A14AN	10	RD	1661627C1																																																																																																																																																																																																																							
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<p>ECM CONNECTOR (6000)</p>  <p>CONNECTOR 3945694C1 BODY LOCK 3743662C1</p>	<table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th>CAV</th> <th>CIRCUIT</th> <th>GAUGE</th> <th>COLOR</th> <th>TERMINAL</th> </tr> </thead> <tbody> <tr><td>23</td><td>PLUG</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>24</td><td>PLUG</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>25</td><td>K14E</td><td>16</td><td>RD</td><td>3743666C1</td></tr> <tr><td>26</td><td>K14D</td><td>16</td><td>RD</td><td>3743666C1</td></tr> <tr><td>27</td><td>K14C</td><td>16</td><td>RD</td><td>3743666C1</td></tr> <tr><td>28</td><td>K14B</td><td>16</td><td>RD</td><td>3743666C1</td></tr> <tr><td>29</td><td>PLUG</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>30</td><td>K92AB</td><td>20</td><td>TN</td><td>3743668C1</td></tr> <tr><td>30**</td><td>K92AB</td><td>20</td><td>PI</td><td>3743668C1</td></tr> <tr><td>31</td><td>PLUG</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>32</td><td>K9A</td><td>20</td><td>TN</td><td>3743668C1</td></tr> <tr><td>33</td><td>K99-G</td><td>20</td><td>PI</td><td>3743668C1</td></tr> <tr><td>34</td><td>PLUG</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>35</td><td>K34B</td><td>20</td><td>TN</td><td>3743668C1</td></tr> <tr><td>36</td><td>PLUG</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>37</td><td>PLUG</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>38</td><td>K95B</td><td>20</td><td>TN</td><td>3743668C1</td></tr> <tr><td>39</td><td>K95A1</td><td>20</td><td>TN</td><td>3743668C1</td></tr> <tr><td>40</td><td>K95C</td><td>20</td><td>TN</td><td>3743668C1</td></tr> <tr><td>41</td><td>K95</td><td>20</td><td>TN</td><td>3743668C1</td></tr> <tr><td>42</td><td>K95A</td><td>20</td><td>TN</td><td>3743668C1</td></tr> <tr><td>43@</td><td>K23AC</td><td>20</td><td>TN</td><td>3743668C1</td></tr> <tr><td>43&@</td><td>K23AC</td><td>20</td><td>TN</td><td>3743668C1</td></tr> <tr><td>43</td><td>K23C</td><td>20</td><td>TN</td><td>3743668C1</td></tr> <tr><td>44</td><td>K97AL</td><td>20</td><td>PI</td><td>3743668C1</td></tr> <tr><td>45</td><td>PLUG</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>46#</td><td>K98GN2</td><td>20</td><td>LT GN</td><td>3743668C1</td></tr> <tr><td>46&#</td><td>K98GN2</td><td>20</td><td>LT GN</td><td>3743668C1</td></tr> <tr><td>46%&</td><td>K5S(-)</td><td>20</td><td>LT GN</td><td>3743668C1</td></tr> <tr><td>46%&</td><td>K5S(-)</td><td>20</td><td>LT GN</td><td>3743668C1</td></tr> <tr><td>47</td><td>PLUG</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>48</td><td>K97ML</td><td>18</td><td>PI</td><td>3743666C1</td></tr> <tr><td>49</td><td>K10-GL</td><td>16</td><td>WH</td><td>3743666C1</td></tr> <tr><td>50</td><td>K10-GK</td><td>16</td><td>WH</td><td>3743666C1</td></tr> <tr><td>51</td><td>K10-GH</td><td>16</td><td>WH</td><td>3743666C1</td></tr> <tr><td>52</td><td>K10-GG</td><td>16</td><td>WH</td><td>3743666C1</td></tr> <tr><td>53</td><td>K95(-)</td><td>18</td><td>TN</td><td>3743666C1</td></tr> <tr><td>54</td><td>K95E</td><td>20</td><td>TN</td><td>3743668C1</td></tr> <tr><td>55</td><td>PLUG</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>56</td><td>PLUG</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>57</td><td>K95AA</td><td>20</td><td>TN</td><td>3743668C1</td></tr> <tr><td>58</td><td>PLUG</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>59</td><td>K47AA</td><td>20</td><td>GY</td><td>3743668C1</td></tr> <tr><td>60</td><td>K47B</td><td>20</td><td>GY</td><td>3743668C1</td></tr> </tbody> </table>	CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	23	PLUG	-	-	-	24	PLUG	-	-	-	25	K14E	16	RD	3743666C1	26	K14D	16	RD	3743666C1	27	K14C	16	RD	3743666C1	28	K14B	16	RD	3743666C1	29	PLUG	-	-	-	30	K92AB	20	TN	3743668C1	30**	K92AB	20	PI	3743668C1	31	PLUG	-	-	-	32	K9A	20	TN	3743668C1	33	K99-G	20	PI	3743668C1	34	PLUG	-	-	-	35	K34B	20	TN	3743668C1	36	PLUG	-	-	-	37	PLUG	-	-	-	38	K95B	20	TN	3743668C1	39	K95A1	20	TN	3743668C1	40	K95C	20	TN	3743668C1	41	K95	20	TN	3743668C1	42	K95A	20	TN	3743668C1	43@	K23AC	20	TN	3743668C1	43&@	K23AC	20	TN	3743668C1	43	K23C	20	TN	3743668C1	44	K97AL	20	PI	3743668C1	45	PLUG	-	-	-	46#	K98GN2	20	LT GN	3743668C1	46&#	K98GN2	20	LT GN	3743668C1	46%&	K5S(-)	20	LT GN	3743668C1	46%&	K5S(-)	20	LT GN	3743668C1	47	PLUG	-	-	-	48	K97ML	18	PI	3743666C1	49	K10-GL	16	WH	3743666C1	50	K10-GK	16	WH	3743666C1	51	K10-GH	16	WH	3743666C1	52	K10-GG	16	WH	3743666C1	53	K95(-)	18	TN	3743666C1	54	K95E	20	TN	3743668C1	55	PLUG	-	-	-	56	PLUG	-	-	-	57	K95AA	20	TN	3743668C1	58	PLUG	-	-	-	59	K47AA	20	GY	3743668C1	60	K47B	20	GY	3743668C1
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Figure 318 Connector Composites (5501 / 5701L / 6000)

13.132. CONNECTOR COMPOSITES (6000 / 6001), P. 101

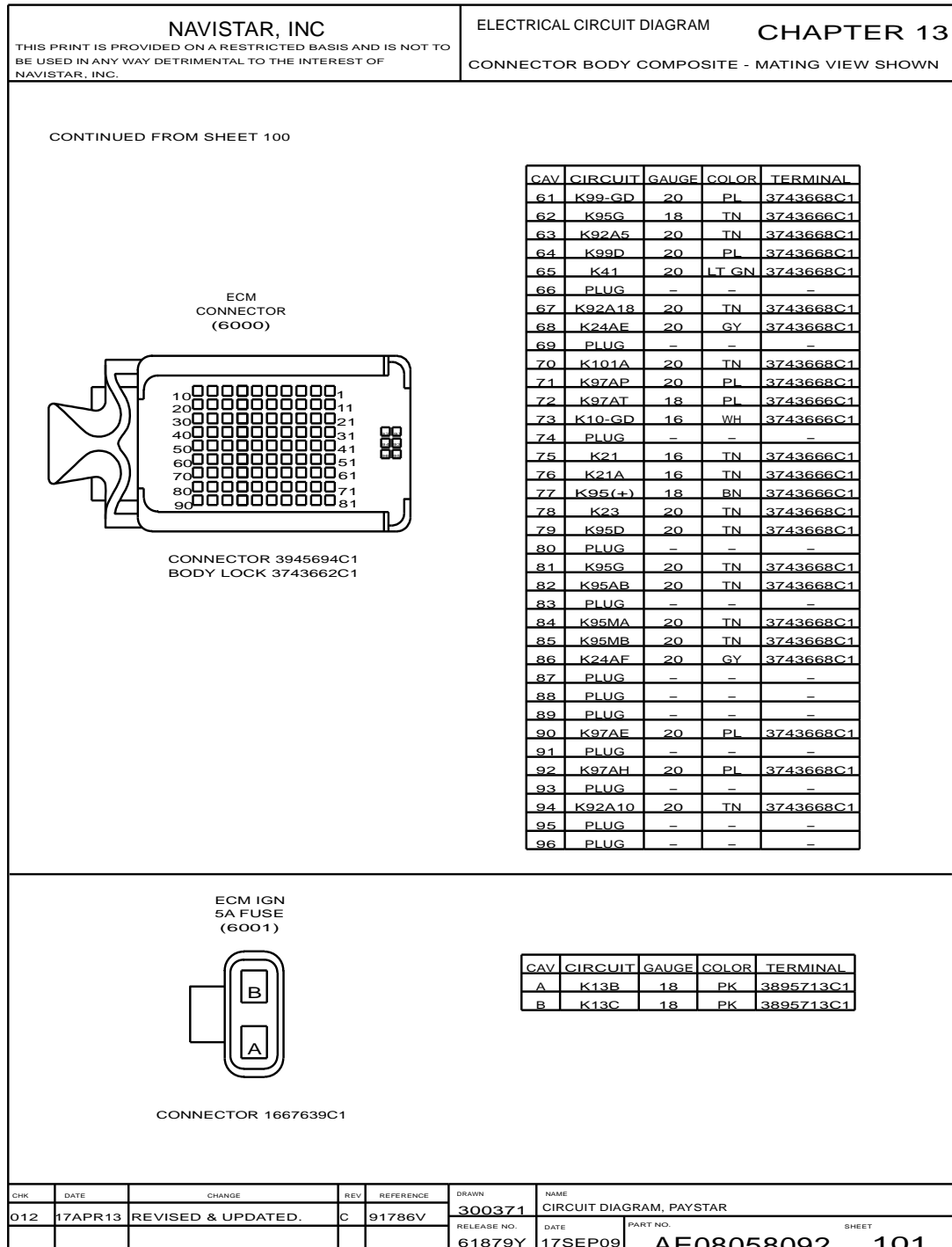


Figure 319 Connector Composites (6000 / 6001)

13.133. CONNECTOR COMPOSITES (6018), P. 102

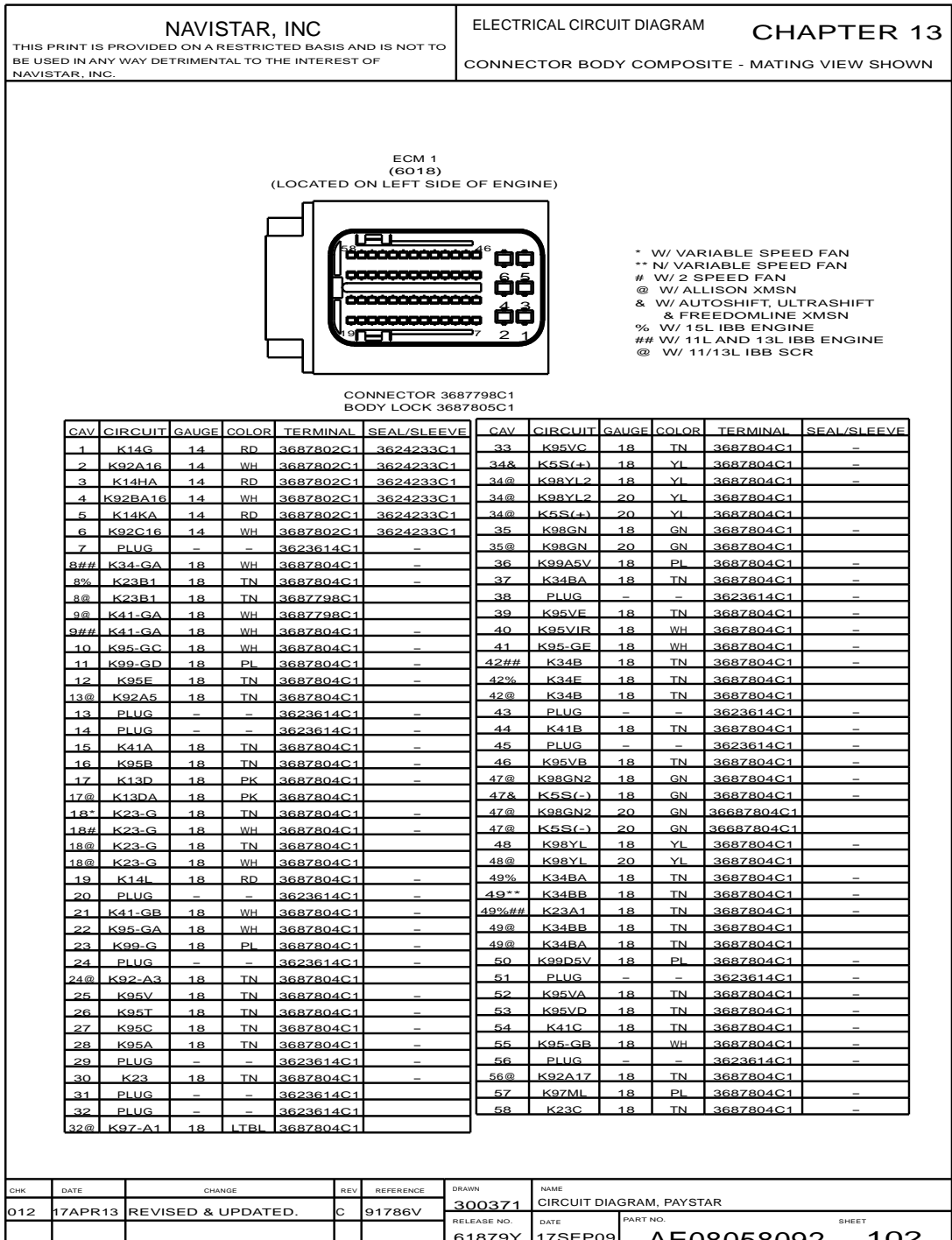


Figure 320 Connector Composites (6018)

13.134. CONNECTOR COMPOSITES (6019), P. 103

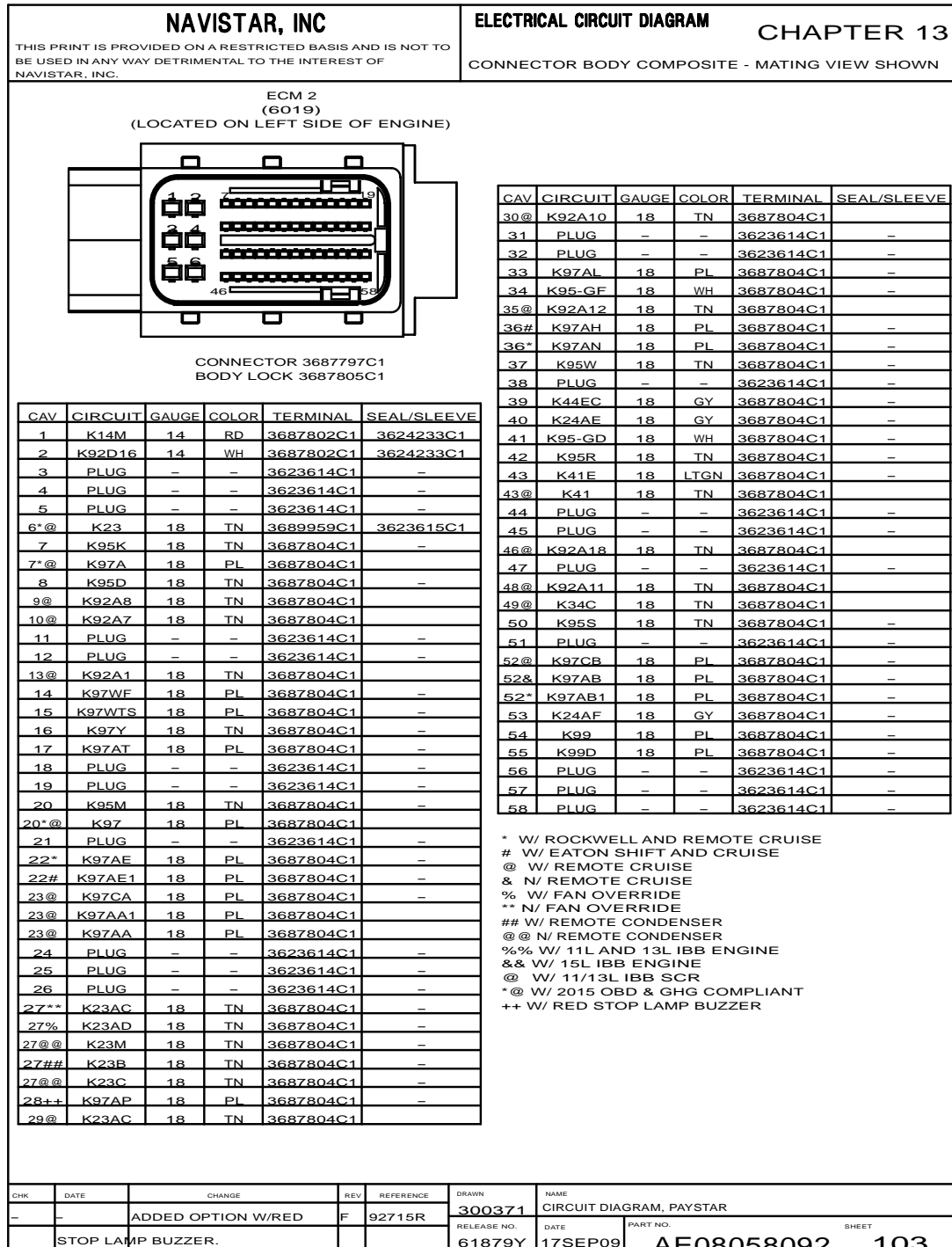


Figure 321 Connector Composites (6019)

13.135. CONNECTOR COMPOSITES (6033 / 6200 / 6195), P. 104

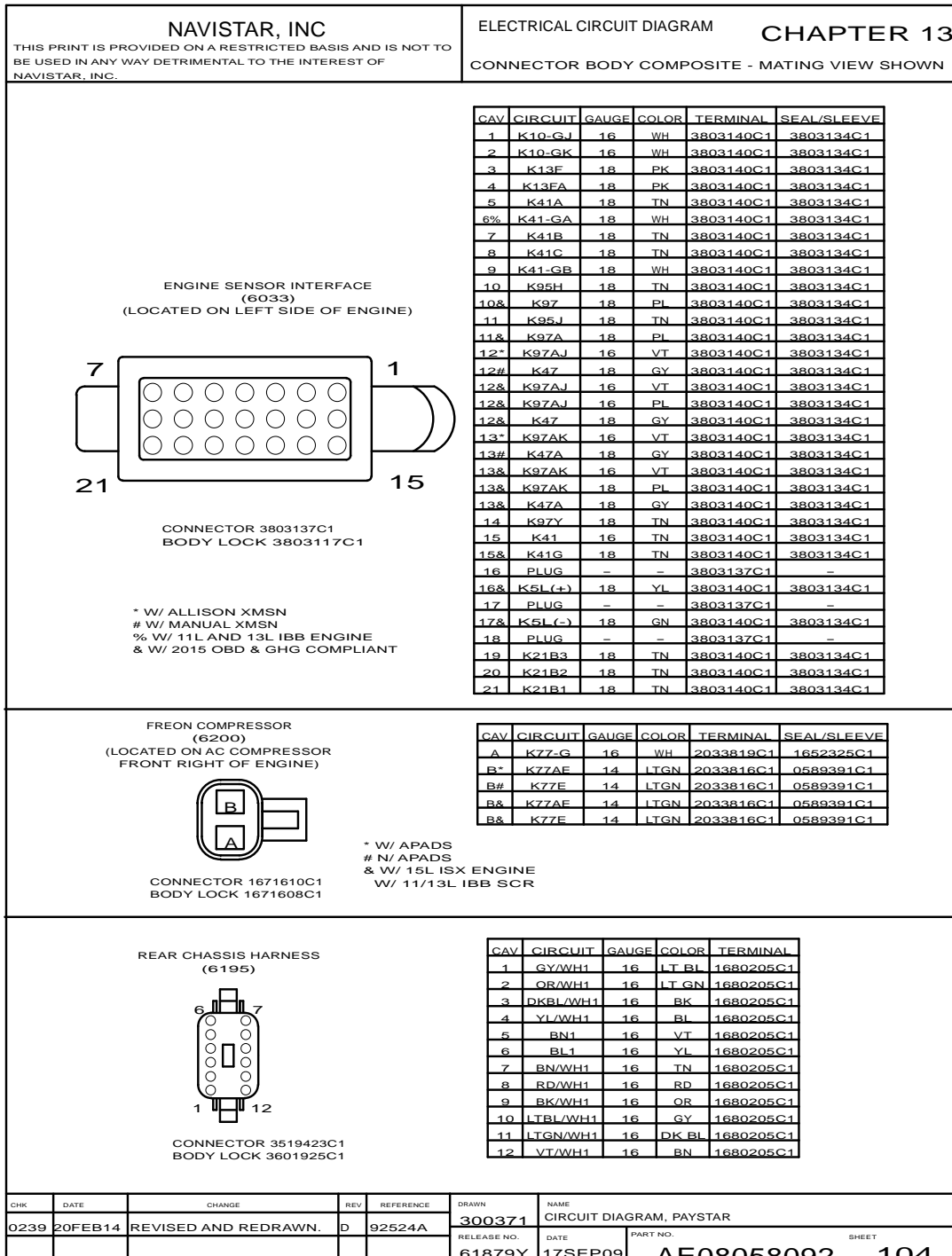


Figure 322 Connector Composites (6033 / 6200 / 6195)

13.136. CONNECTOR COMPOSITES (6260VH / 6260VL / 6260VM / 6260VN / 6401 / 6300), P. 105



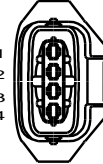
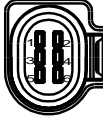
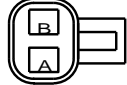

NAVISTAR, INC <small>THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF NAVISTAR, INC.</small>				ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13 CONNECTOR BODY COMPOSITE - MATING VIEW SHOWN																																												
HCI INJECTOR DOSING VALVE (6260VH) (LOCATED ON LEFT SIDE OF ENGINE)																																																
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CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE																																											
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3	K95VB	18	TN	3693147C1	3573653C1																																											
4	K95VC	18	TN	3693147C1	3573653C1																																											
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COOLANT LEVEL SENSOR (6401)																																																
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CONNECTOR 1671610C1																																																
VARIABLE SPEED FAN (6300) (LOCATED ON FRONT OF RADIATOR)																																																
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						SHEET 105																																										

Figure 323 Connector Composites (6260VH / 6260VL / 6260VM / 6260VN / 6401 / 6300)

13.137. CONNECTOR COMPOSITES (6420 / 6703 / 6704B / 6704D), P. 106

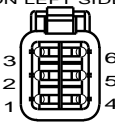
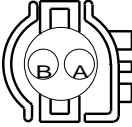
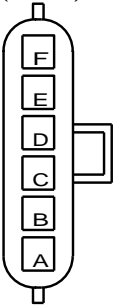
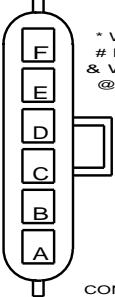
NAVISTAR, INC <small>THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF NAVISTAR, INC.</small>				ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13 CONNECTOR BODY COMPOSITE - MATING VIEW SHOWN																																																																																					
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INTAKE AIR TEMPERATURE SENSOR (6703) (LOCATED ON AIR FILTER HOUSING)  CONNECTOR 1689462C1 BODY LOCK 1689463C1		<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>K41</td><td>16</td><td>TN</td><td>1689464C1</td></tr> <tr><td>B</td><td>K41-GC</td><td>16</td><td>WH</td><td>1689464C1</td></tr> </tbody> </table>				CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	A	K41	16	TN	1689464C1	B	K41-GC	16	WH	1689464C1																																																																					
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GROUND ADAPTER (6704B)  CONNECTOR 3551896C1 BODY LOCK 3551897C1		W/ 11L AND 13L IBB ENGINE <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>K10-GB</td><td>10</td><td>WH</td><td>1687847C1</td><td>0589390C1</td></tr> <tr><td>B*</td><td>K31-G</td><td>16</td><td>WH</td><td>2033819C1</td><td>1652325C1</td></tr> <tr><td>B#</td><td>K31-G</td><td>16</td><td>TN</td><td>2033819C1</td><td>1652325C1</td></tr> <tr><td>B&</td><td>K31-G</td><td>16</td><td>WH</td><td>2033819C2</td><td>1652325C2</td></tr> <tr><td>B&</td><td>K31-G</td><td>16</td><td>TN</td><td>2033819C3</td><td>1652325C3</td></tr> <tr><td>C</td><td>K77-G</td><td>16</td><td>WH</td><td>2033819C1</td><td>1652325C1</td></tr> <tr><td>D</td><td>PLUG</td><td>-</td><td>-</td><td>0587579C1</td><td>-</td></tr> <tr><td>E</td><td>K30-GB</td><td>16</td><td>TN</td><td>2033819C1</td><td>1652325C1</td></tr> <tr><td>F</td><td>K97-GC</td><td>18</td><td>VT</td><td>2033819C1</td><td>1652325C1</td></tr> </tbody> </table> <p style="text-align: center;">* W/ ALLISON XMSN # N/ ALLISON XMSN & W/ 11/13L IBB SCR</p>				CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE	A	K10-GB	10	WH	1687847C1	0589390C1	B*	K31-G	16	WH	2033819C1	1652325C1	B#	K31-G	16	TN	2033819C1	1652325C1	B&	K31-G	16	WH	2033819C2	1652325C2	B&	K31-G	16	TN	2033819C3	1652325C3	C	K77-G	16	WH	2033819C1	1652325C1	D	PLUG	-	-	0587579C1	-	E	K30-GB	16	TN	2033819C1	1652325C1	F	K97-GC	18	VT	2033819C1	1652325C1																								
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GROUND ADAPTER (6704D)  CONNECTOR 3551896C1 BODY LOCK 3551897C1		W/ 15L IBB ENGINE <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>K10-GB</td><td>10</td><td>WH</td><td>1687847C1</td><td>0589390C1</td></tr> <tr><td>A&</td><td>K13DA</td><td>18</td><td>PK</td><td>2033819C1</td><td>3517771C1</td></tr> <tr><td>B*</td><td>K31-G</td><td>16</td><td>WH</td><td>2033819C1</td><td>1652325C1</td></tr> <tr><td>B#</td><td>K31-G</td><td>16</td><td>TN</td><td>2033819C1</td><td>1652325C1</td></tr> <tr><td>B@</td><td>K31-G</td><td>16</td><td>WH</td><td>2033819C1</td><td>1652325C1</td></tr> <tr><td>B&</td><td>K13D</td><td>18</td><td>PK</td><td>2033819C1</td><td>3517771C1</td></tr> <tr><td>C</td><td>K77-G</td><td>16</td><td>WH</td><td>2033819C1</td><td>1652325C1</td></tr> <tr><td>C&</td><td>K95-PG</td><td>18</td><td>RD</td><td>2033819C1</td><td>3517771C1</td></tr> <tr><td>D</td><td>PLUG</td><td>-</td><td>-</td><td>0587579C1</td><td>-</td></tr> <tr><td>D@</td><td>K31-G</td><td>18</td><td>GY</td><td>2033819C1</td><td>1652325C1</td></tr> <tr><td>E</td><td>K30-GB</td><td>16</td><td>TN</td><td>2033819C1</td><td>1652325C1</td></tr> <tr><td>E@</td><td>K30-GB</td><td>18</td><td>TN</td><td>2033819C1</td><td>3517771C1</td></tr> <tr><td>F</td><td>PLUG</td><td>-</td><td>-</td><td>0587579C1</td><td>-</td></tr> </tbody> </table> <p style="text-align: center;">* W/ ALLISON XMSN # N/ ALLISON XMSN & W/ 11/13L IBB SCR @ W/ 15L ISX 2013</p>				CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE	A	K10-GB	10	WH	1687847C1	0589390C1	A&	K13DA	18	PK	2033819C1	3517771C1	B*	K31-G	16	WH	2033819C1	1652325C1	B#	K31-G	16	TN	2033819C1	1652325C1	B@	K31-G	16	WH	2033819C1	1652325C1	B&	K13D	18	PK	2033819C1	3517771C1	C	K77-G	16	WH	2033819C1	1652325C1	C&	K95-PG	18	RD	2033819C1	3517771C1	D	PLUG	-	-	0587579C1	-	D@	K31-G	18	GY	2033819C1	1652325C1	E	K30-GB	16	TN	2033819C1	1652325C1	E@	K30-GB	18	TN	2033819C1	3517771C1	F	PLUG	-	-	0587579C1	-
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Figure 324 Connector Composites (6420 / 6703 / 6704B / 6704D)

13.138. CONNECTOR COMPOSITES (6705B / 6715), P. 107

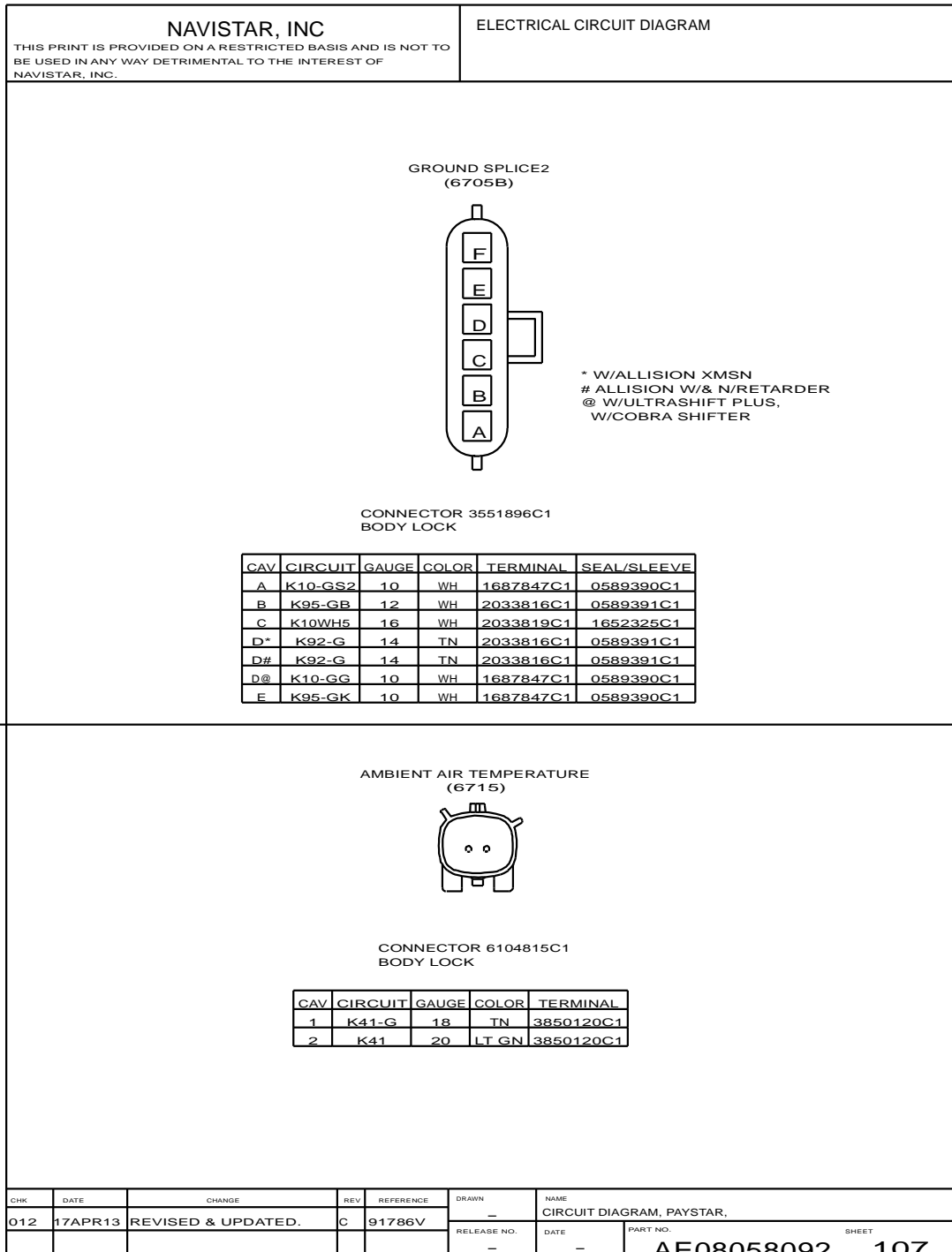


Figure 325 Connector Composites (6705B / 6715)

13.139. CONNECTOR COMPOSITES (6720 / 6720A), P. 108

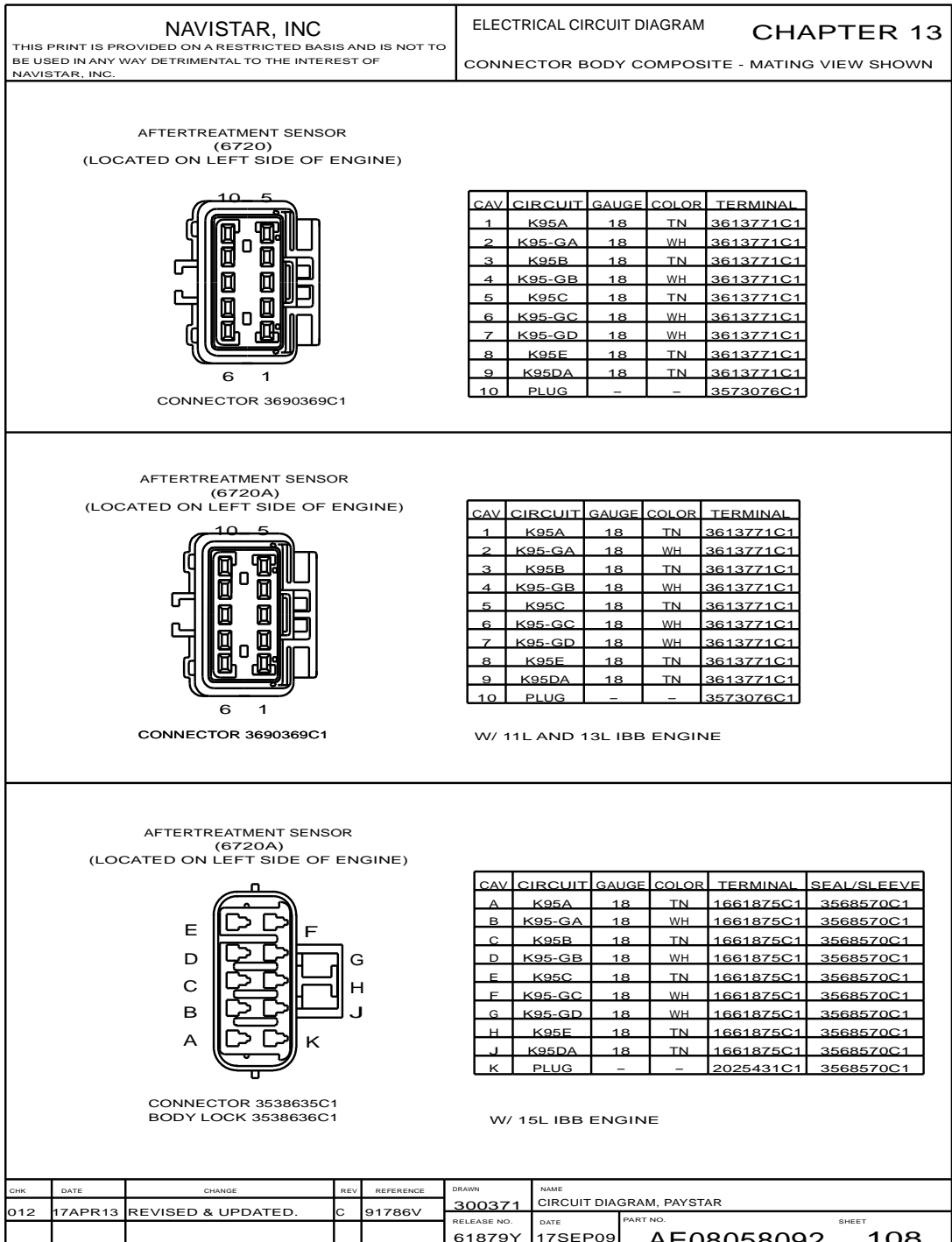


Figure 326 Connector Composites (6720 / 6720A)

13.140. CONNECTOR COMPOSITES (6720B / 6730 / 6748 / 7000), P. 109

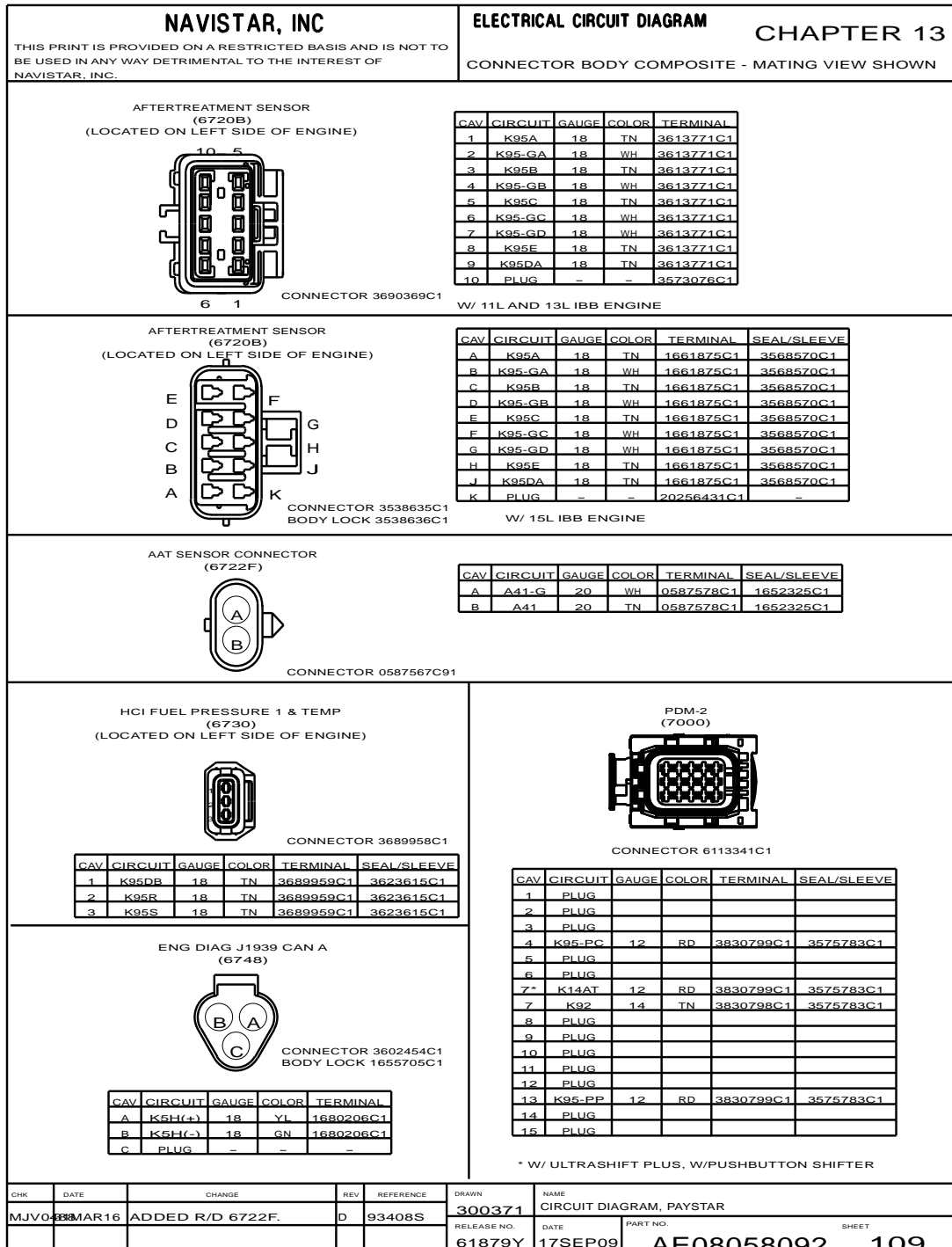


Figure 327 Connector Composites (6720B / 6730 / 6748 / 7000)

13.141. CONNECTOR COMPOSITES (7104 / 7001), P. 110

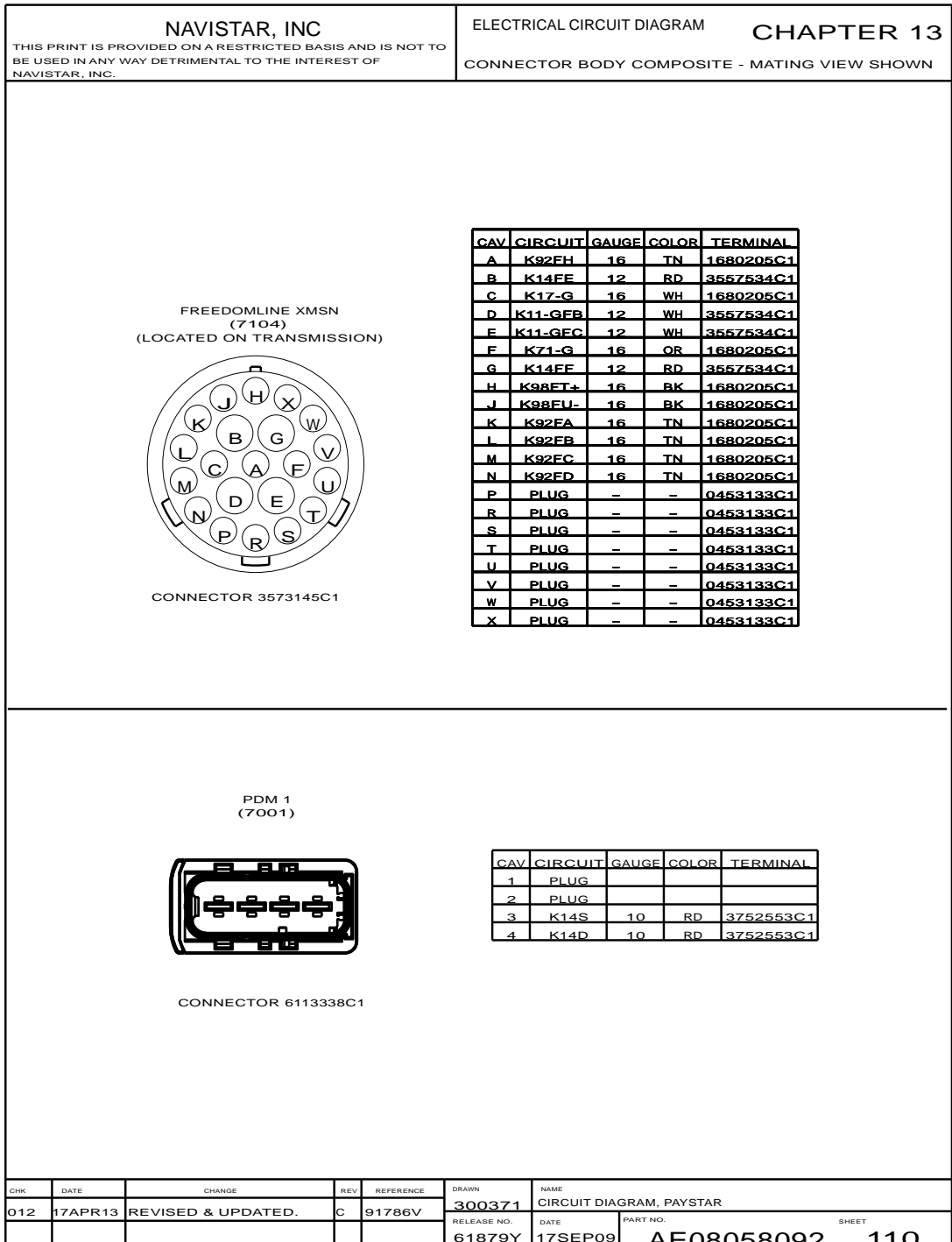


Figure 328 Connector Composites (7104 / 7001)

13.142. CONNECTOR COMPOSITES (7105 / 7110), P. 111

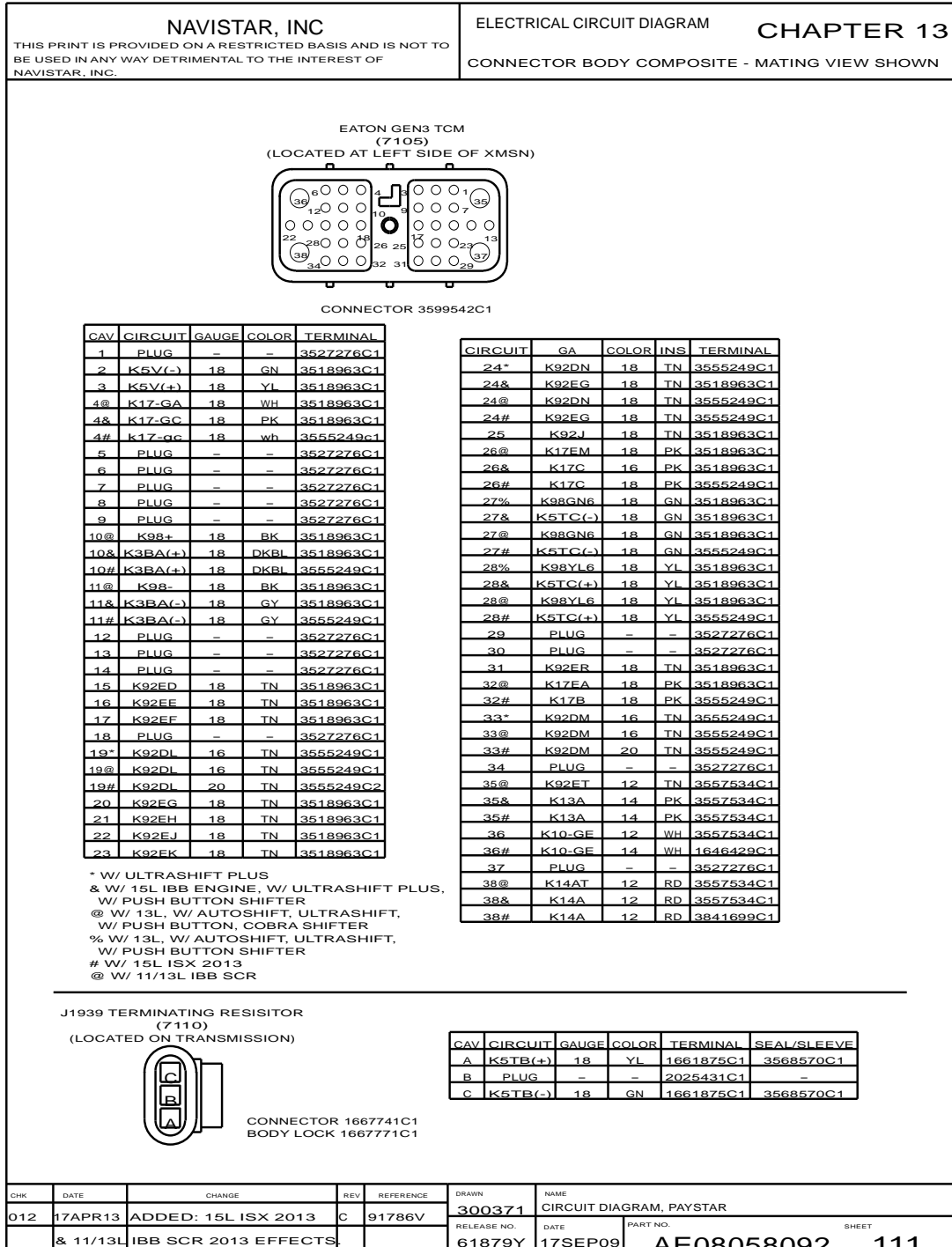
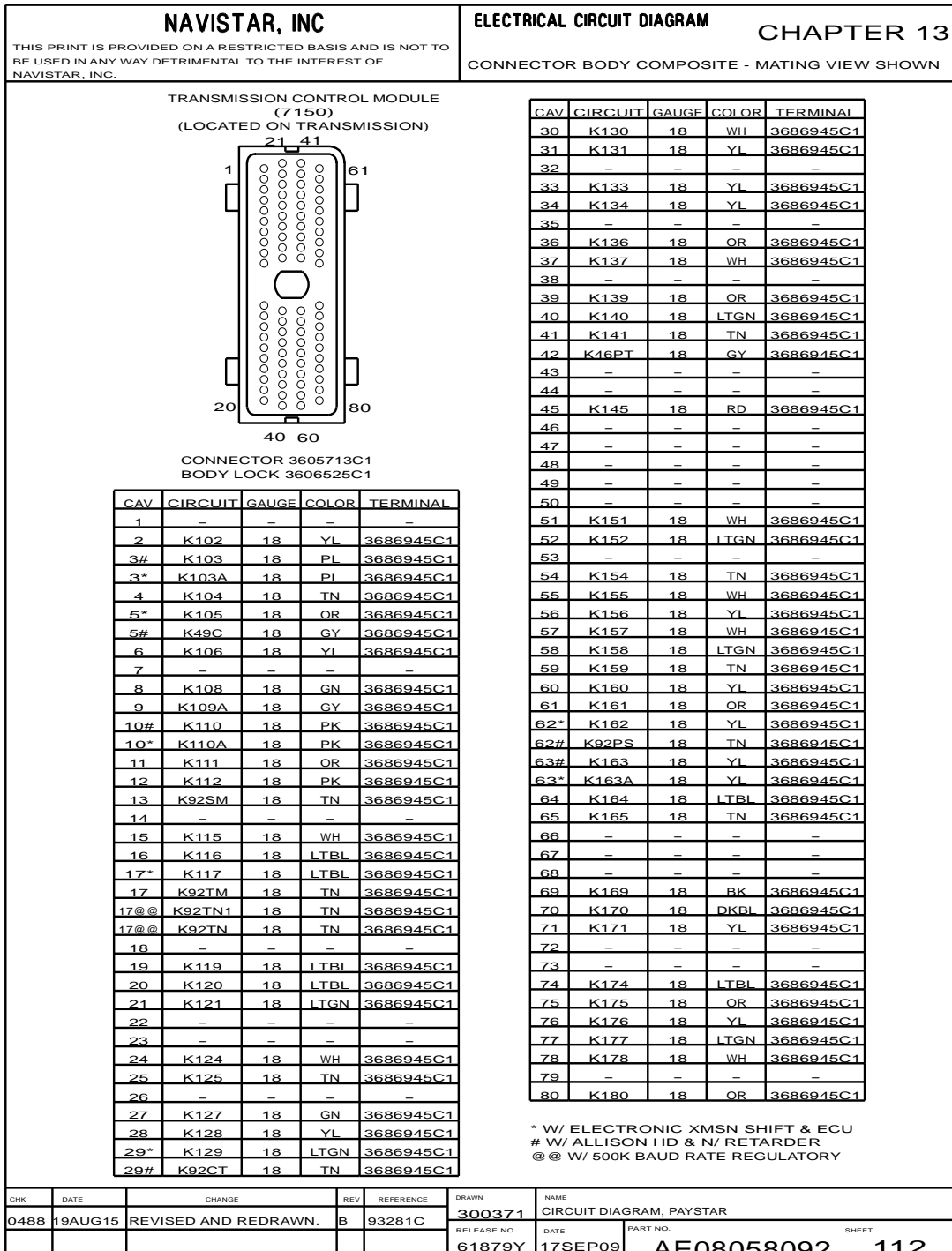


Figure 329 Connector Composites (7105 / 7110)

13.143. CONNECTOR COMPOSITES (7150), P. 112



* W/ ELECTRONIC XMSN SHIFT & ECU
W/ ALLISON HD & N/ RETARDER
@@ W/ 500K BAUD RATE REGULATORY

Figure 330 Connector Composites (7150)

13.144. CONNECTOR COMPOSITES (7211 / 7212 / 7213 / 7250), P. 113

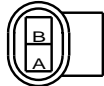
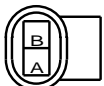
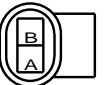
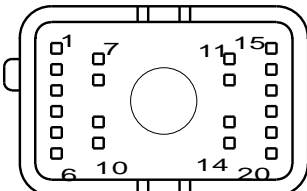
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Figure 331 Connector Composites (7211 / 7212 / 7213 / 7250)

13.145. CONNECTOR COMPOSITES (7500W / 7501 / 7600 / 7601 / 7603 / 7608), P. 114

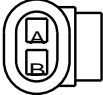
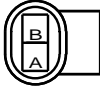
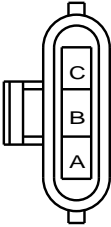
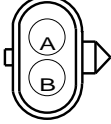
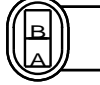
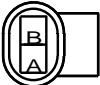
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<p style="text-align: center;">REVERSE LIGHT (7500W) (LOCATED ON TOP OF TRANSMISSION)</p>  <p style="text-align: center;">CONNECTOR 1661778C1 BODY LOCK 1661874C1</p>				<p style="text-align: center;">VEHICLE SPEED SENSOR (7600) (LOCATED ON TOP OF TRANSMISSION)</p>  <p style="text-align: center;">CONNECTOR 3662425C1 BODY LOCK 3662518C1 * W/ 15L ISX 2013</p>																																																			
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Figure 332 Connector Composites (7500W / 7501 / 7600 / 7601 / 7603 / 7608)

13.146. CONNECTOR COMPOSITES (7615 / 7704 / 7905), P. 115

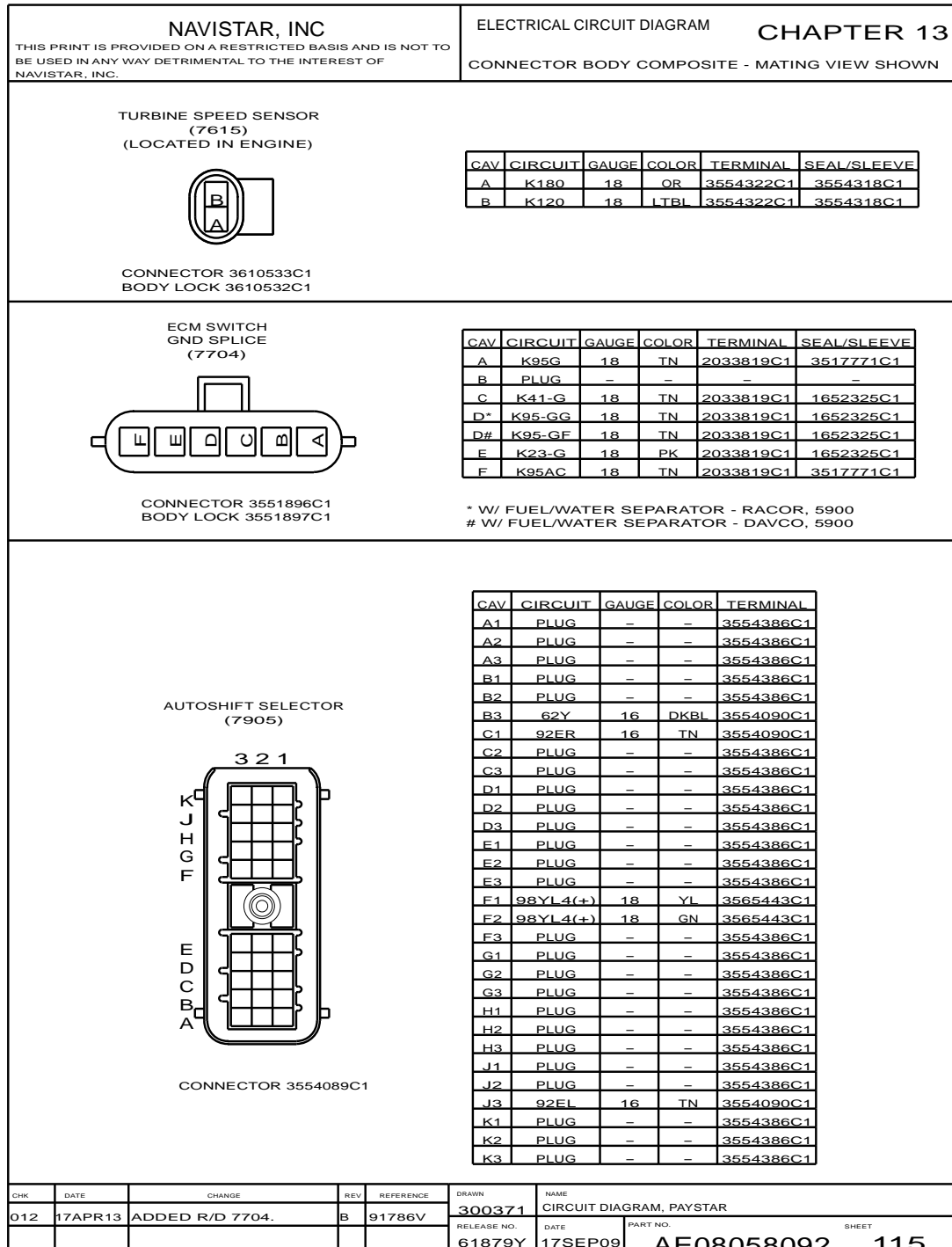


Figure 333 Connector Composites (7615 / 7704 / 7905)

13.147. CONNECTOR COMPOSITES (8102 / 8103 / 8104 / 8107 / 8410), P. 116

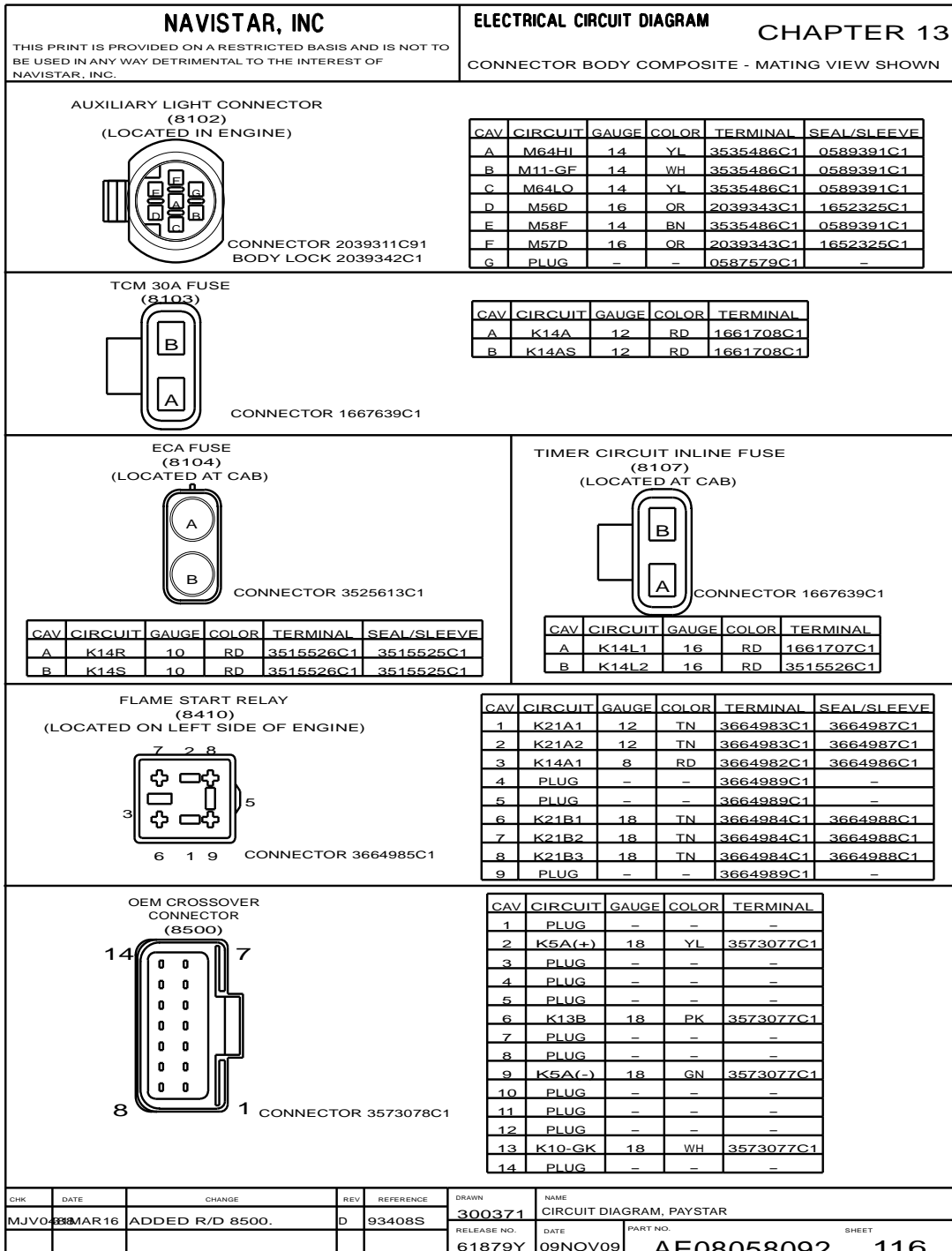


Figure 334 Connector Composites (8102 / 8103 / 8104 / 8107 / 8410)

13.148. CONNECTOR COMPOSITES (8500 / 9762 / 9763 / 9764 / 9765 / 9766), P. 117

NAVISTAR, INC				ELECTRICAL CIRCUIT DIAGRAM				CHAPTER 13			
THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF NAVISTAR, INC.				CONNECTOR BODY COMPOSITE - MATING VIEW SHOWN							
FIRST PUSHER / TAG AXLE (9762) (LOCATED NEAR REAR AXLE)						FIRST PUSHER / TAG AXLE (9762) (LOCATED NEAR REAR AXLE)					
CONNECTOR 0587578C1						CONNECTOR 1661778C1 BODY LOCK 1661874C1					
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE	CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	A59MB	18	GY	0587578C1	1652325C1	A	A59MB	18	GY	1661875C1	1661872C1
B	A59-GS	18	WH	0587578C1	1652325C1	B%	A59-GM	18	WH	1661875C1	1661872C1
% MUTUALLY EXCLUSIVE						% MUTUALLY EXCLUSIVE					
SECOND PUSHER / TAG AXLE (9763) (LOCATED NEAR REAR AXLE)						THIRD PUSHER / TAG AXLE (9764) (LOCATED NEAR REAR AXLE)					
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	A59NB	18	GY	1661875C1	1661872C1	A	A59PB	18	GY	1661875C1	1661872C1
B	A59-GN	18	WH	1661875C1	1661872C1	B	A59-GP	18	WH	1661875C1	1661872C1
DEF GAUGE IGN FEED (9765)						DEF GAUGE BATTERY FEED (9766)					
CONNECTOR 1667639C1						CONNECTOR 1667639C1					
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL		CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	
A	A28NA	18	TN	3895713C1		A	A28N	18	TN	3895713C1	
B	A14NA	18	RD	3895713C1		B	A13NA	18	PK	3895713C1	
BODY CTRL BATT FEED (9767)						BODY CTRL ACC FEED (9768)					
CONNECTOR 3512967C1						CONNECTOR 3565207C1					
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL		CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	
A*	A14N	10	RD	3679001C1		A	A12P	18	LT BL	3895713C1	
A*	A14N	10	GY	3679001C1		B	A12S	18	LT BL	3895713C1	
B	A14P	10	RD	3679001C1							
* MUTUALLY EXCLUSIVE											
CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME					
MJVO	16MAR16	ADDED R/D 9767,9768	C	93408S	300011	CIRCUIT DIAGRAM, PAYSTAR					
					RELEASE NO.	DATE	PART NO.	SHEET			
		AND RMY/D R/D 8500.			80616P	20JUN11	AE08058092	117			

Figure 335 Connector Composites (8500 / 9762 / 9763 / 9764 / 9765 / 9766)

13.149. CONNECTOR COMPOSITES (351A / 352A / 353A / 354A), P. 118



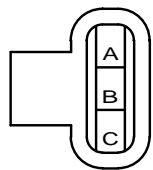
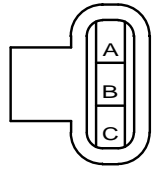
NAVISTAR, INC <small>THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF NAVISTAR, INC.</small>				ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13 CONNECTOR BODY COMPOSITE - MATING VIEW SHOWN																										
<p>BENDIX LEFT REAR REAR WHEEL SPEED SENSOR (351A)</p>  <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th>CAV</th> <th>CIRCUIT</th> <th>GAUGE</th> <th>COLOR</th> <th>TERMINAL</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>GY/WH2</td> <td>16</td> <td>GY</td> <td>1651969C1</td> </tr> <tr> <td>2</td> <td>OR/WH2</td> <td>16</td> <td>OR</td> <td>1651969C1</td> </tr> </tbody> </table> <p>CONNECTOR 3539777C1 BODY LOCK 3539784C1</p>							CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	1	GY/WH2	16	GY	1651969C1	2	OR/WH2	16	OR	1651969C1									
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL																										
1	GY/WH2	16	GY	1651969C1																										
2	OR/WH2	16	OR	1651969C1																										
<p>BENDIX RIGHT REAR REAR WHEEL SPEED SENSOR (352A)</p>  <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th>CAV</th> <th>CIRCUIT</th> <th>GAUGE</th> <th>COLOR</th> <th>TERMINAL</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>DKBL/WH2</td> <td>16</td> <td>DKBL</td> <td>1651969C1</td> </tr> <tr> <td>2</td> <td>YL/WH2</td> <td>16</td> <td>YL</td> <td>1651969C1</td> </tr> </tbody> </table> <p>CONNECTOR 3539777C1 BODY LOCK 3539784C1</p>							CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	1	DKBL/WH2	16	DKBL	1651969C1	2	YL/WH2	16	YL	1651969C1									
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL																										
1	DKBL/WH2	16	DKBL	1651969C1																										
2	YL/WH2	16	YL	1651969C1																										
<p>BENDIX LEFT REAR REAR MODULATOR VALVE (353A)</p>  <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th>CAV</th> <th>CIRCUIT</th> <th>GAUGE</th> <th>COLOR</th> <th>TERMINAL</th> <th>SEAL/SLV</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>VT/WH2</td> <td>16</td> <td>VT</td> <td>2033819C1</td> <td>1652325C1</td> </tr> <tr> <td>B</td> <td>LTGN/WH2</td> <td>16</td> <td>LTGN</td> <td>2033819C1</td> <td>1652325C1</td> </tr> <tr> <td>C</td> <td>LTBL/WH2</td> <td>16</td> <td>LTBL</td> <td>2033819C1</td> <td>1652325C1</td> </tr> </tbody> </table> <p>CONNECTOR 1686834C1 BODY LOCK 1664408C1</p>							CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLV	A	VT/WH2	16	VT	2033819C1	1652325C1	B	LTGN/WH2	16	LTGN	2033819C1	1652325C1	C	LTBL/WH2	16	LTBL	2033819C1	1652325C1
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLV																									
A	VT/WH2	16	VT	2033819C1	1652325C1																									
B	LTGN/WH2	16	LTGN	2033819C1	1652325C1																									
C	LTBL/WH2	16	LTBL	2033819C1	1652325C1																									
<p>BENDIX RIGHT REAR REAR MODULATOR VALVE (354A)</p>  <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th>CAV</th> <th>CIRCUIT</th> <th>GAUGE</th> <th>COLOR</th> <th>TERMINAL</th> <th>SEAL/SLV</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>BK/WH2</td> <td>16</td> <td>BK</td> <td>2033819C1</td> <td>1652325C1</td> </tr> <tr> <td>B</td> <td>RD/WH2</td> <td>16</td> <td>RD</td> <td>2033819C1</td> <td>1652325C1</td> </tr> <tr> <td>C</td> <td>BN/WH2</td> <td>16</td> <td>BN</td> <td>2033819C1</td> <td>1652325C1</td> </tr> </tbody> </table> <p>CONNECTOR 1686834C1 BODY LOCK 1664408C1</p>							CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLV	A	BK/WH2	16	BK	2033819C1	1652325C1	B	RD/WH2	16	RD	2033819C1	1652325C1	C	BN/WH2	16	BN	2033819C1	1652325C1
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLV																									
A	BK/WH2	16	BK	2033819C1	1652325C1																									
B	RD/WH2	16	RD	2033819C1	1652325C1																									
C	BN/WH2	16	BN	2033819C1	1652325C1																									
CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME																								
012	15JAN13	INITIAL RELEASE.	A	91749L	310706	CIRCUIT DIAGRAM, PAYSTAR																								
					RELEASE NO.	DATE																								
					91749L	07JAN13																								
					PART NO.	SHEET																								
					AE08058092	118																								

Figure 336 Connector Composites (351A / 352A / 353A / 354A)

13.150. CONNECTOR COMPOSITES (445 / 453 / 580M / 690A), P. 119

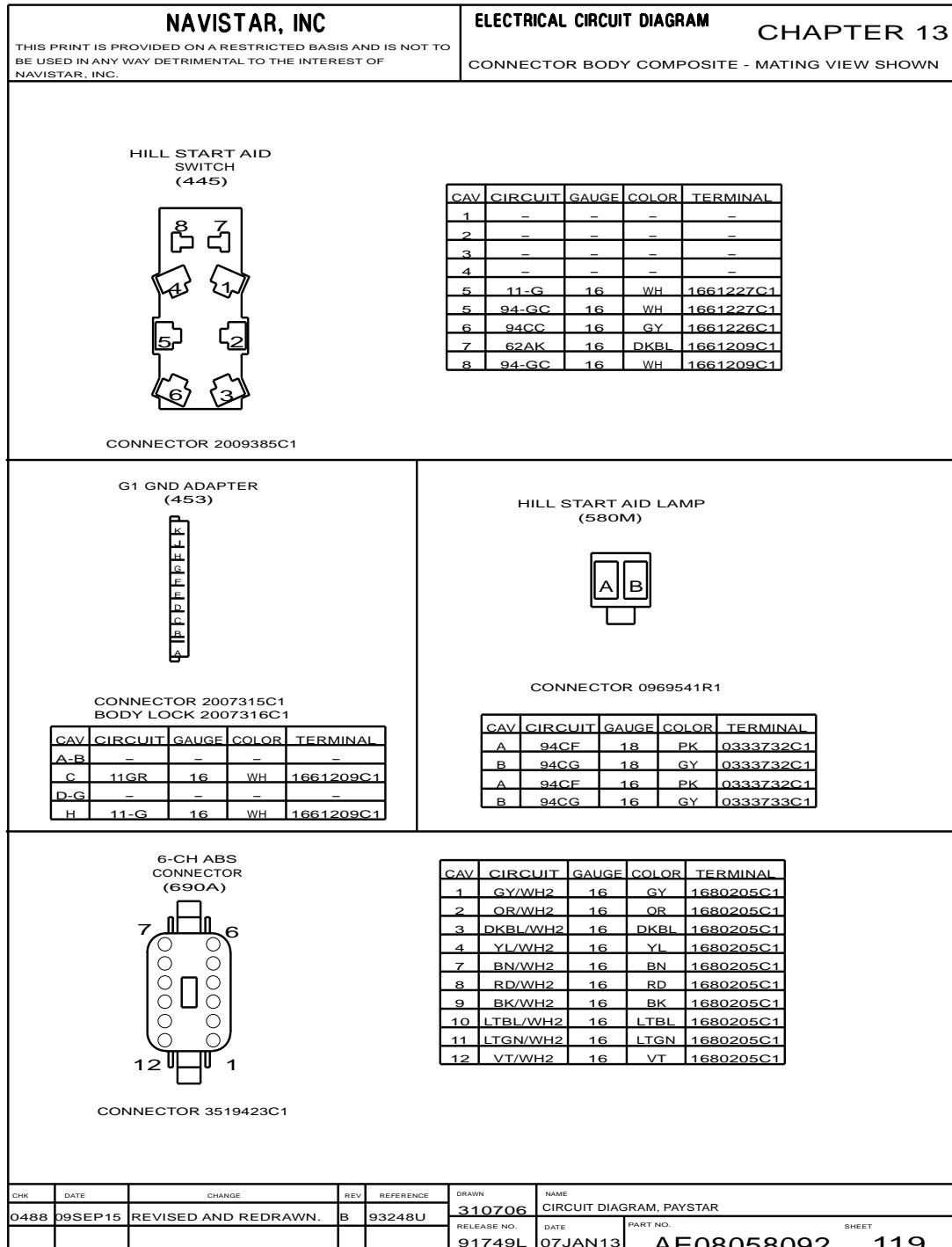


Figure 337 Connector Composites (445 / 453 / 580M / 690A)

13.151. CONNECTOR COMPOSITES (1362 / 9510F / 9513), P. 120


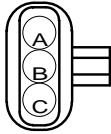
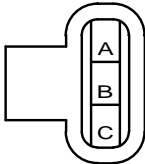
NAVISTAR, INC <small>THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF NAVISTAR, INC.</small>				ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13 CONNECTOR BODY COMPOSITE - MATING VIEW SHOWN																									
<p>RSP AUTO TRACTION CONTROL / FRONT ATC ESP (1362)</p>  <p>CONNECTOR 3518183C1 BODY LOCK 3518174C1</p>																													
<table border="1" style="margin: auto;"> <thead> <tr> <th>CAV</th> <th>CIRCUIT</th> <th>GAUGE</th> <th>COLOR</th> <th>TERMINAL</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>94SJ</td> <td>16</td> <td>GY</td> <td>3626031C1</td> </tr> <tr> <td>2</td> <td>94SC</td> <td>16</td> <td>GY</td> <td>3626031C1</td> </tr> </tbody> </table>						CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	1	94SJ	16	GY	3626031C1	2	94SC	16	GY	3626031C1									
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL																									
1	94SJ	16	GY	3626031C1																									
2	94SC	16	GY	3626031C1																									
<p>ESP LOAD SENSOR (9510F)</p>  <p>CONNECTOR 1667740C1 BODY LOCK 1667771C1</p>																													
<table border="1" style="margin: auto;"> <thead> <tr> <th>CAV</th> <th>CIRCUIT</th> <th>GAUGE</th> <th>COLOR</th> <th>TERMINAL</th> <th>SEAL/SLV</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>BL1</td> <td>16</td> <td>LTBL</td> <td>1667742C1</td> <td>1661872C1</td> </tr> <tr> <td>B</td> <td>GN1</td> <td>16</td> <td>LTGN</td> <td>1667742C1</td> <td>1661872C1</td> </tr> <tr> <td>C</td> <td>BN1</td> <td>16</td> <td>BN</td> <td>1667742C1</td> <td>1661872C1</td> </tr> </tbody> </table>						CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLV	A	BL1	16	LTBL	1667742C1	1661872C1	B	GN1	16	LTGN	1667742C1	1661872C1	C	BN1	16	BN	1667742C1	1661872C1
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLV																								
A	BL1	16	LTBL	1667742C1	1661872C1																								
B	GN1	16	LTGN	1667742C1	1661872C1																								
C	BN1	16	BN	1667742C1	1661872C1																								
<p>TRAILER MODULATOR VALVE (9513)</p>  <p>CONNECTOR 1686834C1 BODY LOCK 1664408C1</p>																													
<table border="1" style="margin: auto;"> <thead> <tr> <th>CAV</th> <th>CIRCUIT</th> <th>GAUGE</th> <th>COLOR</th> <th>TERMINAL</th> <th>SEAL/SLV</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>BK/WH3</td> <td>16</td> <td>BK</td> <td>2033819C1</td> <td>1652325C1</td> </tr> <tr> <td>B</td> <td>RD/WH3</td> <td>16</td> <td>RD</td> <td>2033819C1</td> <td>1652325C1</td> </tr> <tr> <td>C</td> <td>BN/WH3</td> <td>16</td> <td>BN</td> <td>2033819C1</td> <td>1652325C1</td> </tr> </tbody> </table>						CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLV	A	BK/WH3	16	BK	2033819C1	1652325C1	B	RD/WH3	16	RD	2033819C1	1652325C1	C	BN/WH3	16	BN	2033819C1	1652325C1
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLV																								
A	BK/WH3	16	BK	2033819C1	1652325C1																								
B	RD/WH3	16	RD	2033819C1	1652325C1																								
C	BN/WH3	16	BN	2033819C1	1652325C1																								
CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME																							
012	15JAN13	INITIAL RELEASE.	A	91749L	310706	CIRCUIT DIAGRAM, PAYSTAR																							
					RELEASE NO.	DATE																							
					91749L	07JAN13																							
					PART NO.	SHEET																							
					AE08058092	120																							

Figure 338 Connector Composites (1362 / 9510F / 9513)