



# Schematics

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## **CT660/CT680 Truck Circuit Diagrams**

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## SAFETY INFORMATION

**IMPORTANT** – Read the following before starting the service procedure.

The information contained in this International Service Manual Section was current at the time of printing and is subject to change without notice or liability.

You must follow your company safety procedures when you service or repair equipment. Be sure to understand all of the procedures and instructions before you begin work on the unit.

International uses the following types of notations to give warning of possible safety problems and to give information that will prevent damage to the equipment being serviced or repaired.



**A warning indicates procedures that must be followed exactly. Personal injury or possible death can occur if the procedure is not followed.**

### CAUTION

**A caution indicates procedures that must be followed exactly. If the procedure is not followed, damage to equipment or components can occur.**

**NOTE** – A note indicates an operation, procedure or instruction that is important for correct service.

Some procedures require the use of special tools for safe and correct service. Failure to use these special tools when required can cause injury to service personnel or damage to vehicle components.

This service manual section is intended for use by professional technicians, NOT a “do-it-yourselfer.” It is written to inform these technicians of conditions that may occur on some vehicles, or to provide information that could assist in the proper service of a vehicle. Properly trained technicians have the equipment, tools, safety instructions, and know-how to do a job properly and safely. If a condition is described, DO NOT assume that the service section applies to your vehicle. See your International Truck Dealer for information on whether this service section applies to your vehicle.



# CT660/CT680 CIRCUIT DIAGRAMS

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# INSTRUCTIONS AND CHARTS (CHAPTER 2)

## ABBREVIATIONS, P. 1

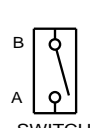
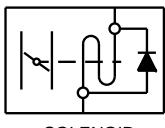
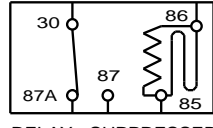
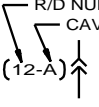
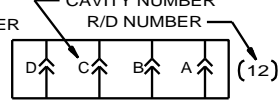
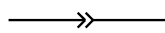
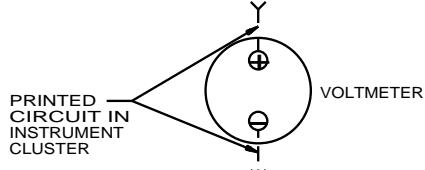
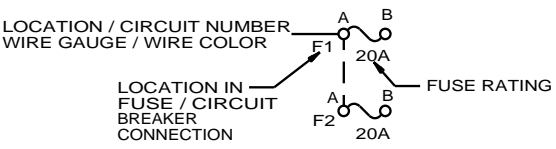
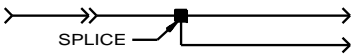
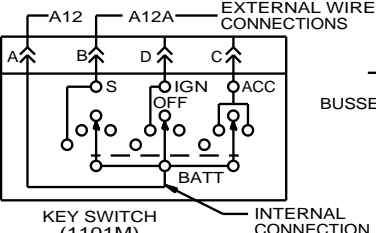
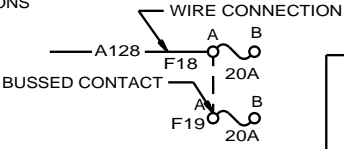
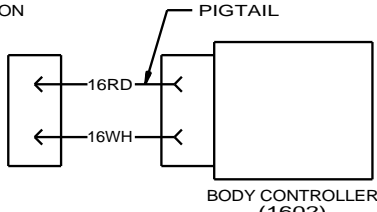
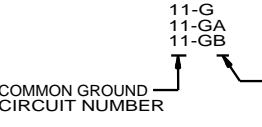
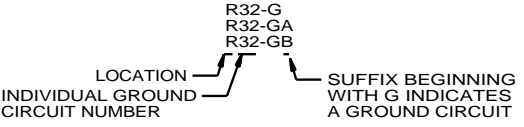
<b>CATERPILLAR, INC</b>			<b>ELECTRICAL CIRCUIT DIAGRAM</b>																																																																																																																																																																																																																																																																																																																				
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<tr><td>CP</td><td>CANDLEPOWER</td><td>ID</td><td>IDENTIFICATION</td><td>XFER</td><td>TRANSFER</td></tr> <tr><td>CAP</td><td>CAPACITOR</td><td>IGN</td><td>IGNITION</td><td>XFMR</td><td>TRANSFORMER</td></tr> <tr><td>CAT</td><td>CATERPILLAR</td><td>ILLUM</td><td>ILLUMINATION</td><td>XSTR</td><td>TRANSISTOR</td></tr> <tr><td>CHAS</td><td>CHASSIS</td><td>IND</td><td>INDICATOR</td><td>XMSN</td><td>TRANSMISSION</td></tr> <tr><td>CH</td><td>CHOKE</td><td>INST</td><td>INSTRUMENT</td><td>XMTR</td><td>TRANSMITTER</td></tr> <tr><td>CIRC</td><td>CIRCUIT</td><td>INT</td><td>INTERMITTENT</td><td>TRK</td><td>TRUCK</td></tr> <tr><td>CLK</td><td>CLOCK</td><td>L</td><td>LEFT</td><td>UPR</td><td>UPPER</td></tr> <tr><td>CW</td><td>CLOCKWISE</td><td>LT</td><td>LIGHT</td><td>VLV</td><td>VALVE</td></tr> <tr><td>CLSTR</td><td>CLUSTER</td><td>LTR</td><td>LIGHTER</td><td>VERT</td><td>VERTICAL</td></tr> <tr><td>CL</td><td>CLUTCH</td><td>LWR</td><td>LOWER</td><td>VM</td><td>VOLTMETER</td></tr> 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ACRONYMS, P. 2

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CIRCUIT DIAGRAM INSTRUCTIONS, P. 3

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<p><b>A - SWITCH AND RELAY POSITIONS AS SHOWN ON CIRCUIT DIAGRAMS INDICATE NORMAL POSITION WITH IGNITION OFF UNLESS OTHERWISE NOTED.</b></p> <div style="display: flex; justify-content: space-around; align-items: flex-end;"> <div style="text-align: center;">  <p>SWITCH, MECHANICAL</p> </div> <div style="text-align: center;">  <p>SOLENOID</p> </div> <div style="text-align: center;">  <p>RELAY - SUPPRESSED</p> </div> </div>	<p><b>B - MULTIPLE CONNECTIONS ARE DISPLAYED ON SCHEMATIC AS SHOWN WITH R/D NUMBER &amp; CAVITY NUMBER. REFER TO CONNECTOR COMPOSITE FOR MORE INFORMATION</b></p> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;">  <p>R/D NUMBER CAVITY NUMBER</p> </div> <div style="text-align: center;">  <p>CAVITY NUMBER R/D NUMBER</p> </div> </div> <p style="text-align: center;">AND/OR</p> <p style="text-align: center;">SINGLE IN-LINE CONNECTORS DISPLAYED AS SHOWN BELOW WITHOUT R/D NUMBER</p> <div style="text-align: center;">  </div>																																										
<p><b>C - PHANTOM LINES INDICATE PRINTED CIRCUITS OR BUSSED CIRCUITS. THESE CIRCUITS EXIST IN THE INSTRUMENT CLUSTER AND FUSE / CIRCUIT BREAKER CONNECTORS.</b></p> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;">  <p>PRINTED CIRCUIT IN INSTRUMENT CLUSTER</p> <p>VOLTMETER</p> </div> <div style="text-align: center;">  <p>LOCATION / CIRCUIT NUMBER WIRE GAUGE / WIRE COLOR</p> <p>LOCATION IN FUSE / CIRCUIT BREAKER CONNECTION</p> <p>FUSE RATING</p> </div> </div>																																											
<p><b>D - MULTIPLE CIRCUIT NUMBERS ON A LINE INDICATE ONE CIRCUIT DISTRIBUTING CURRENT TO TWO CIRCUITS.</b></p> <div style="text-align: center;">  <p>SPLICE</p> </div>																																											
<p><b>E - SWITCHES, RELAYS AND COMPONENTS INDICATE EXTERNAL WIRE CONNECTIONS AND / OR INTERNAL CONNECTIONS OR CONTACTS.</b></p> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;">  <p>EXTERNAL WIRE CONNECTIONS</p> <p>KEY SWITCH (1101M)</p> <p>INTERNAL CONNECTION</p> </div> <div style="text-align: center;">  <p>WIRE CONNECTION</p> <p>BUSSED CONTACT</p> </div> <div style="text-align: center;">  <p>PIGTAIL</p> <p>BODY CONTROLLER (1602)</p> </div> </div>																																											
<p><b>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)</b></p> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;">  <p>COMMON GROUND CIRCUIT NUMBER</p> <p>SUFFIX BEGINNING WITH G INDICATES A GROUND CIRCUIT</p> </div> <div style="text-align: center;">  <p>LOCATION INDIVIDUAL GROUND CIRCUIT NUMBER</p> <p>SUFFIX BEGINNING WITH G INDICATES A GROUND CIRCUIT</p> </div> </div> <p style="text-align: center; font-size: small;">NOTE: FOR CIRCUIT DESCRIPTION OTHER THAN GROUNDS NEITHER THE LETTER "G" NOR THE COLOR WHITE SHALL BE USED</p>																																											
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CIRCUIT NUMBER IDENTIFICATION AND COLOR, P. 4

<b>CATERPILLAR INC</b>		<b>ELECTRICAL CIRCUIT DIAGRAM</b>	
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		<b>CIRCUIT NUMBER IDENTIFICATION AND COLOR</b>	
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	

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CIRCUIT NUMBER IDENTIFICATION AND COLOR, P. 5

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CIRCUIT NUMBER IDENTIFICATION AND COLOR, P. 6

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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
-	-	INITIAL RELEASE.	A	77636F	23074097	CIRCUIT DIAGRAM, C-660, C680
					RELEASE NO.	DATE
					77636F	19MAY11
					PART NO.	SHEET
					AE08067053	006

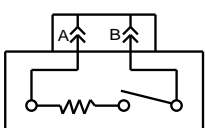
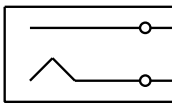
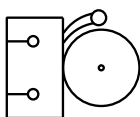
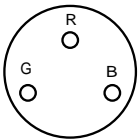


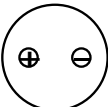

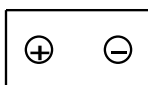

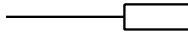
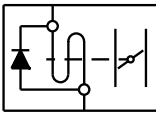
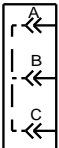


LAMP BULB CHART, P. 7

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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																																																																																																																																											
DOMELIGHTS	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																																																																																																																																											
DOMELIGHT	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																																																																																																																																							
-	-	INITIAL RELEASE.	A	77636F	23074097	CIRCUIT DIAGRAM, C-660, C680																																																																																																																																							
					RELEASE NO.	DATE	PART NO. SHEET																																																																																																																																						
					77636F	19MAY11	AE08067053 007																																																																																																																																						

RELAY FUNCTION AND WIRING GUIDE, P. 8

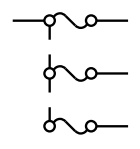
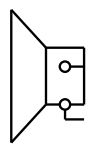

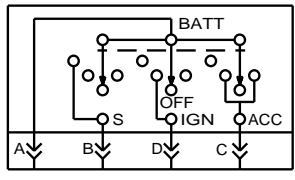

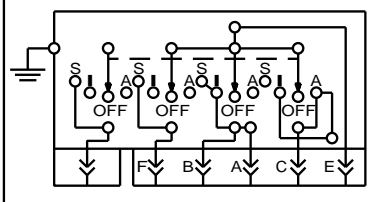

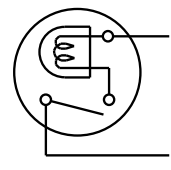
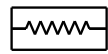
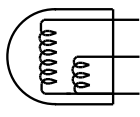
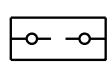

<b>CATERPILLAR, INC</b>		<b>ELECTRICAL CIRCUIT DIAGRAM</b>						
THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF CATERPILLAR, INC.		<b>CHAPTER 2</b>						
		RELAY FUNCTION AND WIRING GUIDE						
RELAY VIEWED FROM INSERTION END		RELAY SCHEMATIC						
<p>MINIATURE - ISO (1)</p>								
<p>MINIATURE - 280 (1)</p>								
<p>MICRO - 280 (1)</p>								
<p>MICRO - ISO (1)</p>								
<p>MICRO - 4 PIN (1)</p>								
<p>MINI MICRO - 4 PIN (2)</p>								
<p>NOTES :</p> <p>1. RELAY CONTAINS A 680 OHM SUPPRESSION RESISTOR</p> <p>2. RELAY CONTAINS A 1000 OHM SUPPRESSION RESISTOR</p>								
CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME		
-	-	INITIAL RELEASE.	A	77636F	23074097	CIRCUIT DIAGRAM, C-660, C680		
					RELEASE NO.	DATE	PART NO.	SHEET
					77636F	19MAY11	AE08067053	008

**SCHEMATIC SYMBOL CHART, P. 9**

<b>CATERPILLAR, INC</b> <small>THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF CATERPILLAR, INC.</small>				<b>ELECTRICAL CIRCUIT DIAGRAM</b> <b>CHAPTER 2</b> <b>SCHEMATIC SYMBOL CHART</b>			
SYMBOL		DESCRIPTION		SYMBOL		DESCRIPTION	
		AIR DRYER				CIGAR LIGHTER	
		ALARM		TYPE 1    TYPE 2 OR 3		CIRCUIT BREAKER	
		ALTERNATOR					
		AMMETER				DIODE	
		BATTERY				DIODE, LIGHT EMITTING	
		BLUNT CUT CIRCUIT				FAN SOLENOID	
		BUSBAR				FEMALE TERMINAL	
						FUSE	
CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME	
-	-	INITIAL RELEASE.	A	77636F	23074097	CIRCUIT DIAGRAM, C-660, C680	
					RELEASE NO.	DATE	PART NO. SHEET
					77636F	19MAY11	AE08067053 009



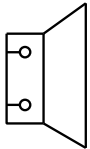


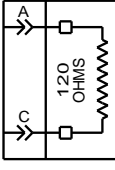

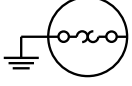
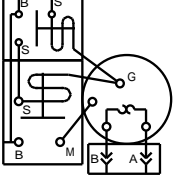
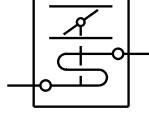

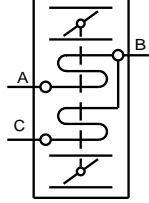


**SCHEMATIC SYMBOL CHART, P. 10**

<b>CATERPILLAR, INC</b> <small>THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF CATERPILLAR, INC.</small>				<b>ELECTRICAL CIRCUIT DIAGRAM</b> <b>CHAPTER 2</b> <b>SCHEMATIC SYMBOL CHART (CONT)</b>			
SYMBOL				SYMBOL			
	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	
-	-	INITIAL RELEASE.	A	77636F	23074097	CIRCUIT DIAGRAM, C-660, C680	
					77636F	DATE	PART NO. SHEET
						19MAY11	AE08067053 010

**SCHEMATIC SYMBOL CHART, P. 11**

<b>CATERPILLAR, INC</b> <small>THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF CATERPILLAR, INC.</small>				<b>ELECTRICAL CIRCUIT DIAGRAMS</b> <b>CHAPTER 2</b> <b>SCHEMATIC SYMBOL CHART (CONT)</b>			
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	
-	-	INITIAL RELEASE.	A	77636F	23074097	CIRCUIT DIAGRAM, C-660, C680	
					RELEASE NO.	DATE	PART NO.
					77636F	19MAY11	AE08067053
							SHEET 011

**SCHEMATIC SYMBOL CHART, P. 12**

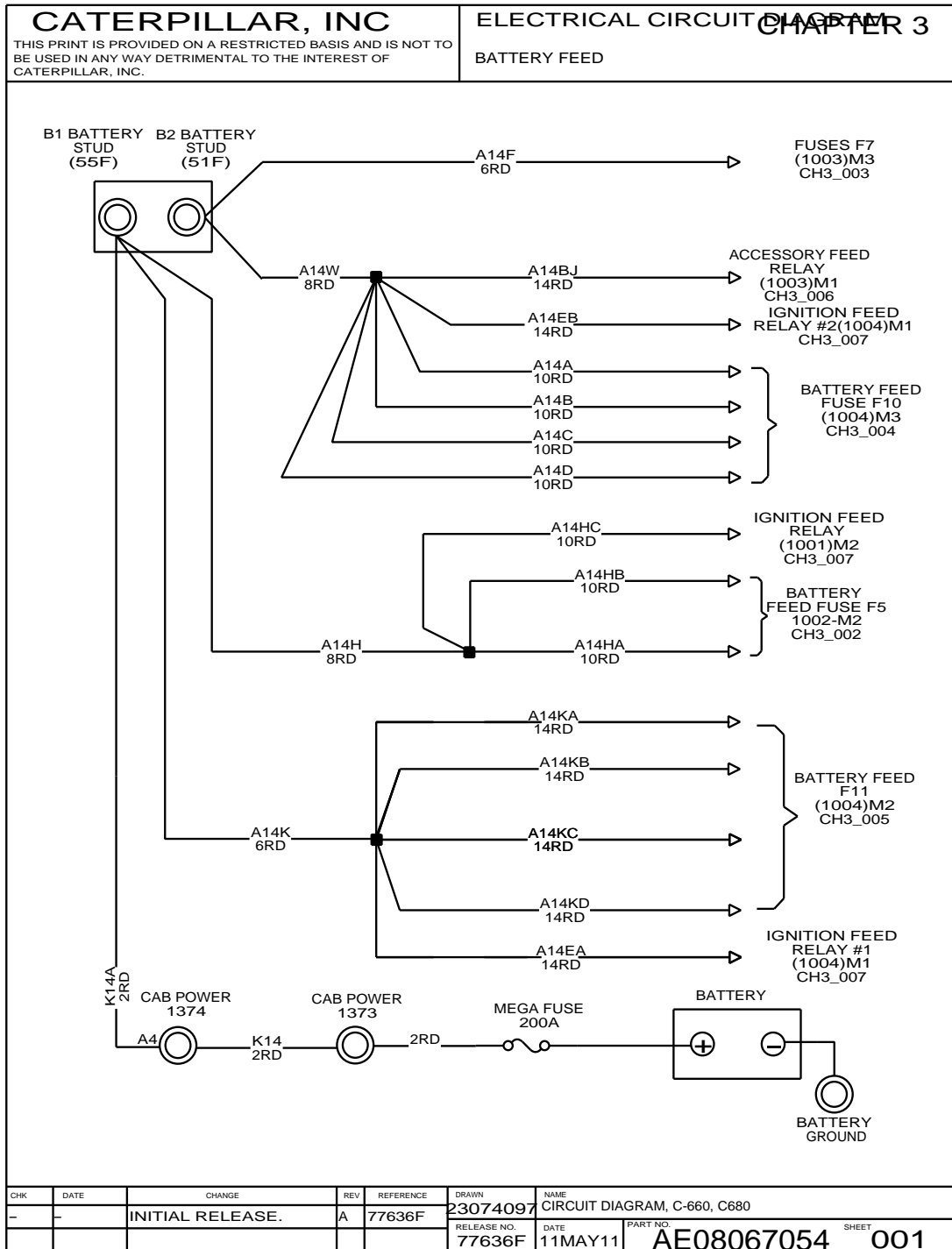
<b>CATERPILLAR, INC</b> <small>THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF Caterpillar, INC.</small>				<b>ELECTRICAL CIRCUIT DIAGRAM</b> <b>CHAPTER 2</b> <b>SCHEMATIC SYMBOL CHART (CONT)</b>			
SYMBOL		DESCRIPTION		SYMBOL		DESCRIPTION	
		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	
-	-	INITIAL RELEASE.	A	77636F	23074097	CIRCUIT DIAGRAM, C-660, C680	
					RELEASE NO.	DATE	PART NO. SHEET
					77636F	19MAY11	AE08067053 012

**SCHEMATIC SYMBOL CHART, P. 13**

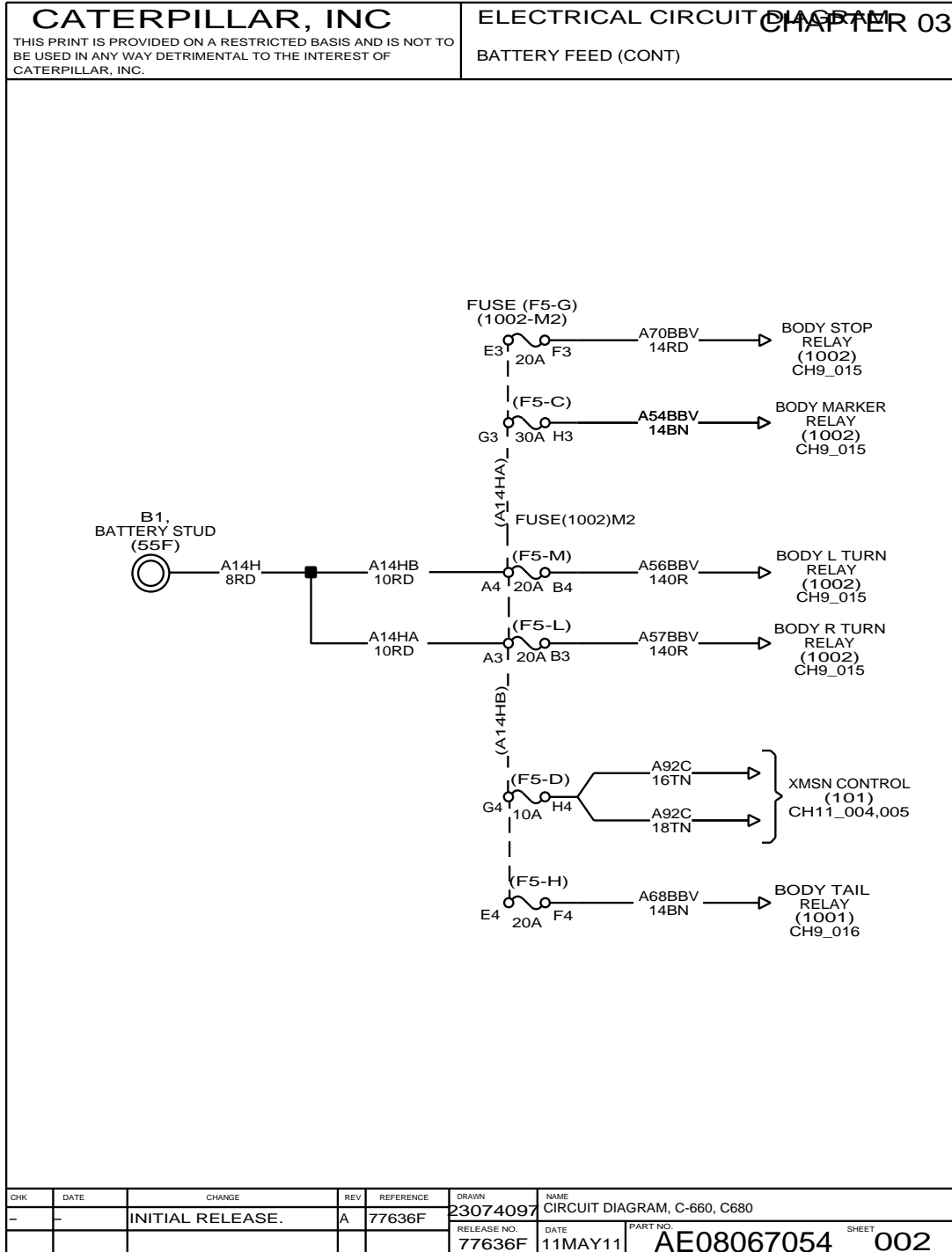
<b>CATERPILLAR, INC</b> <small>THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF CATERPILLAR, INC.</small>				<b>ELECTRICAL CIRCUIT DIAGRAM</b> <b>CHAPTER 2</b> <b>SCHEMATIC SYMBOL CHART (CONT)</b>			
		CRUISE SET / RESUME SWITCH, PANEL LIGHT DIMMER				HEADLIGHT SWITCH	
		DOME LIGHT SWITCH					
<small>CHK</small>	<small>DATE</small>	<small>CHANGE</small>	<small>REV</small>	<small>REFERENCE</small>	<small>DRAWN</small>	<small>NAME</small>	
-	-	INITIAL RELEASE.	A	77636F	23074097	CIRCUIT DIAGRAM, C-660, C680	
					<small>RELEASE NO.</small>	<small>DATE</small>	<small>PART NO.</small>
					77636F	20MAY11	AE08067053 013

# 12 VOLT POWER DISTRIBUTION (CHAPTER 3)

## BATTERY FEED, P. 1

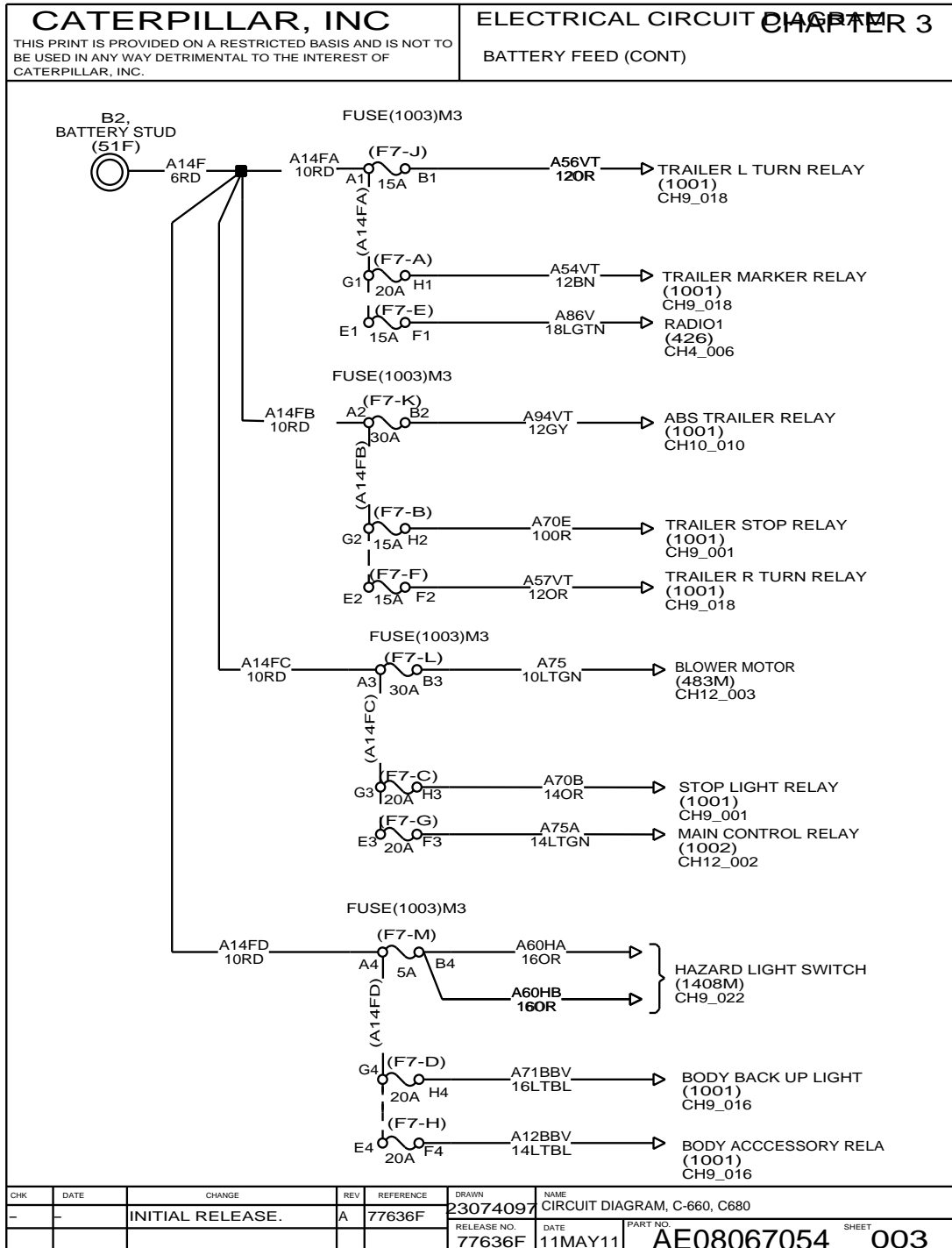


BATTERY FEED, P. 2



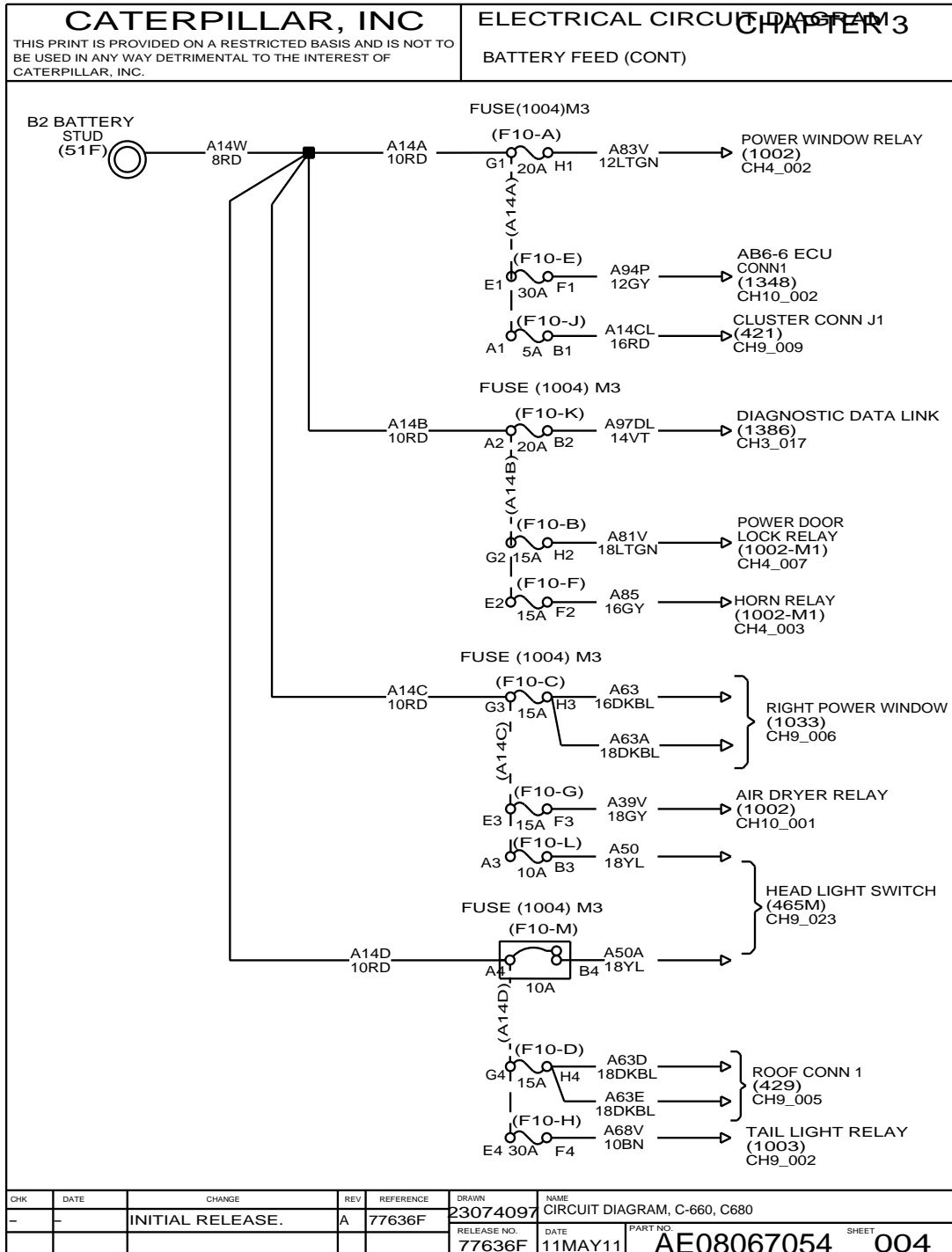
CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
-	-	INITIAL RELEASE.	A	77636F	23074097	CIRCUIT DIAGRAM, C-660, C680
					RELEASE NO.	DATE
					77636F	11MAY11
					PART NO.	SHEET
					AE08067054	002

BATTERY FEED, P. 3



CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
-	-	INITIAL RELEASE.	A	77636F	23074097	CIRCUIT DIAGRAM, C-660, C680
					RELEASE NO. 77636F	DATE 11MAY11
						PART NO. AE08067054
						SHEET 003

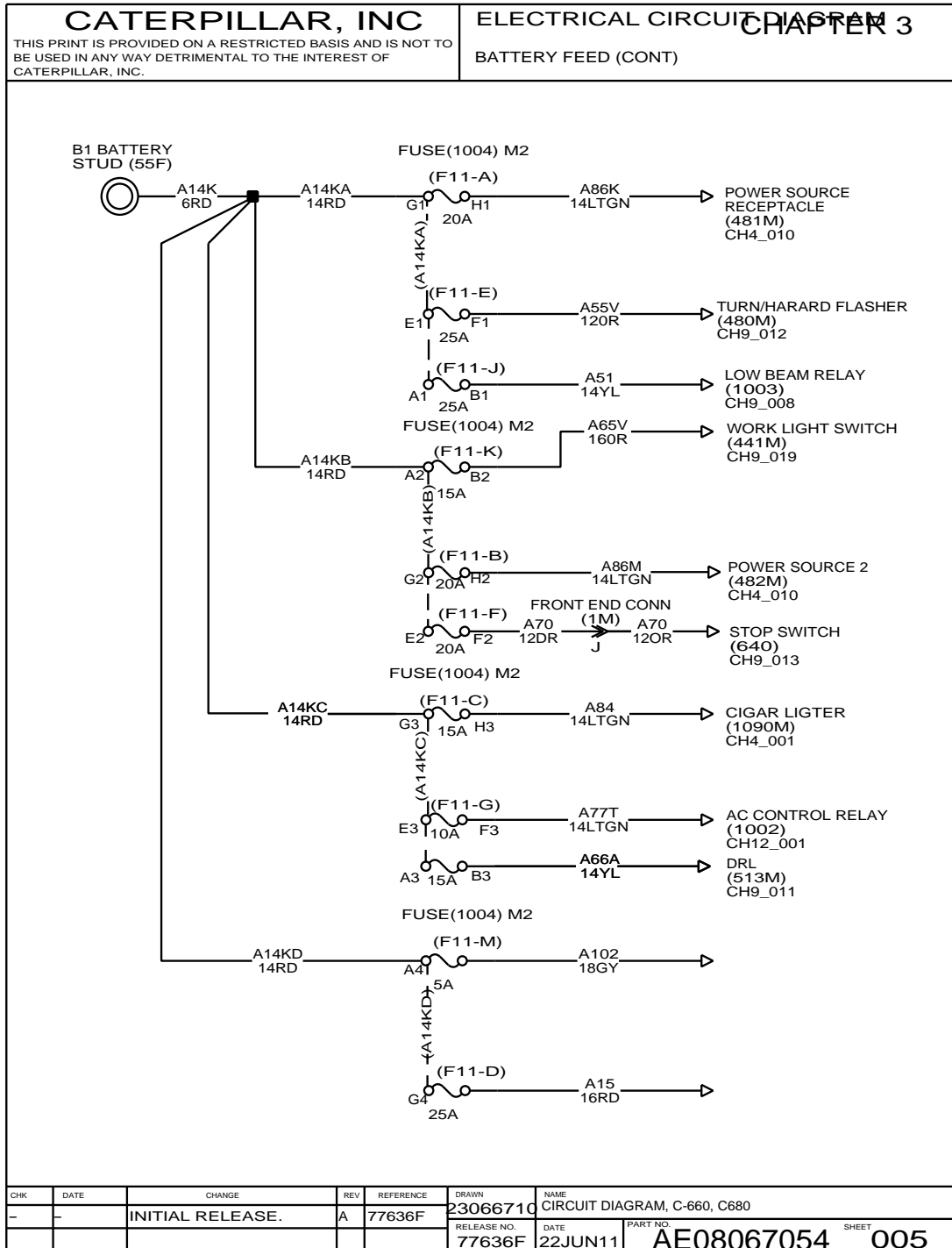
BATTERY FEED, P. 4



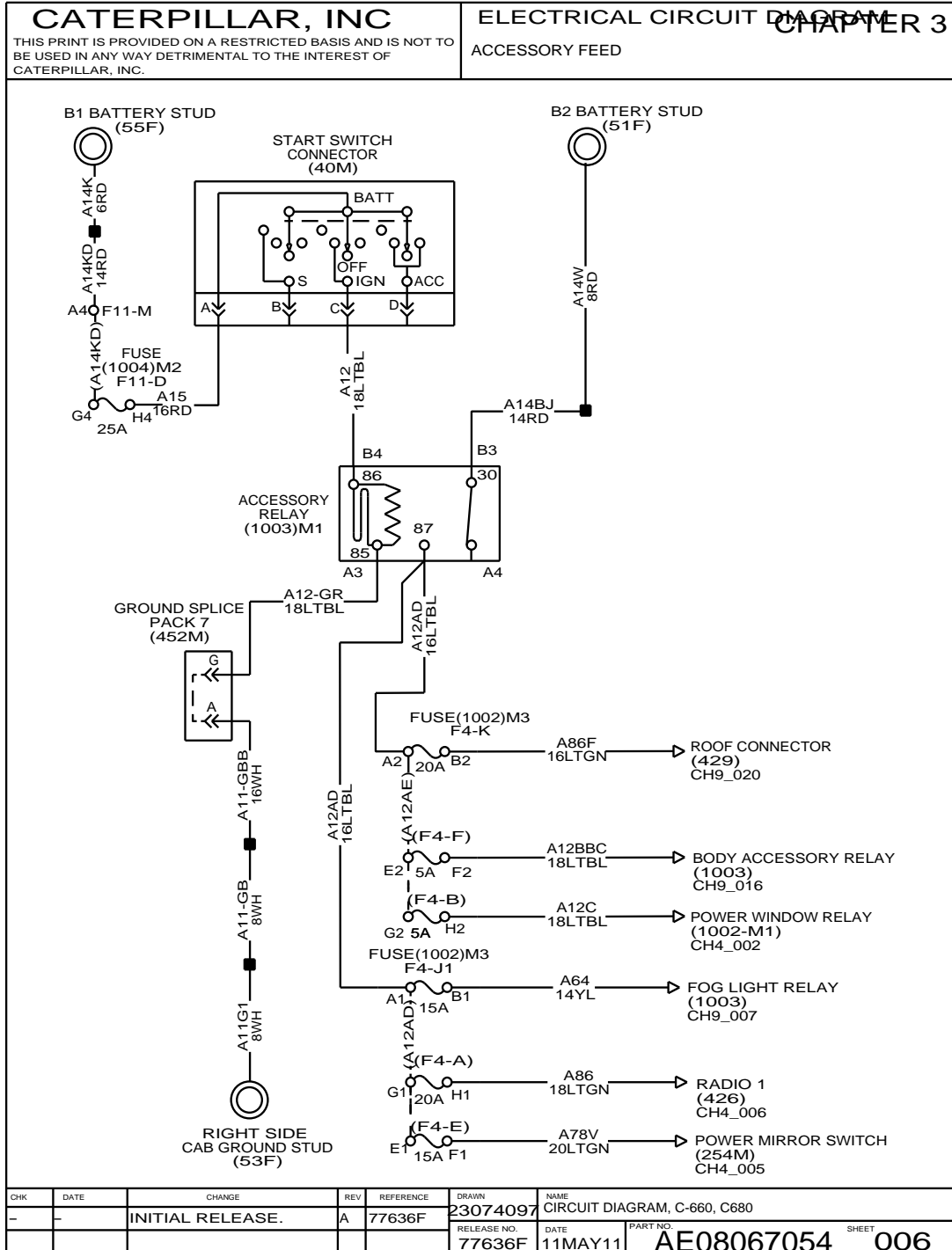
CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
-	-	INITIAL RELEASE.	A	77636F	23074097	CIRCUIT DIAGRAM, C-660, C680
					RELEASE NO.	DATE
					77636F	11MAY11
					PART NO.	SHEET
					AE08067054	004



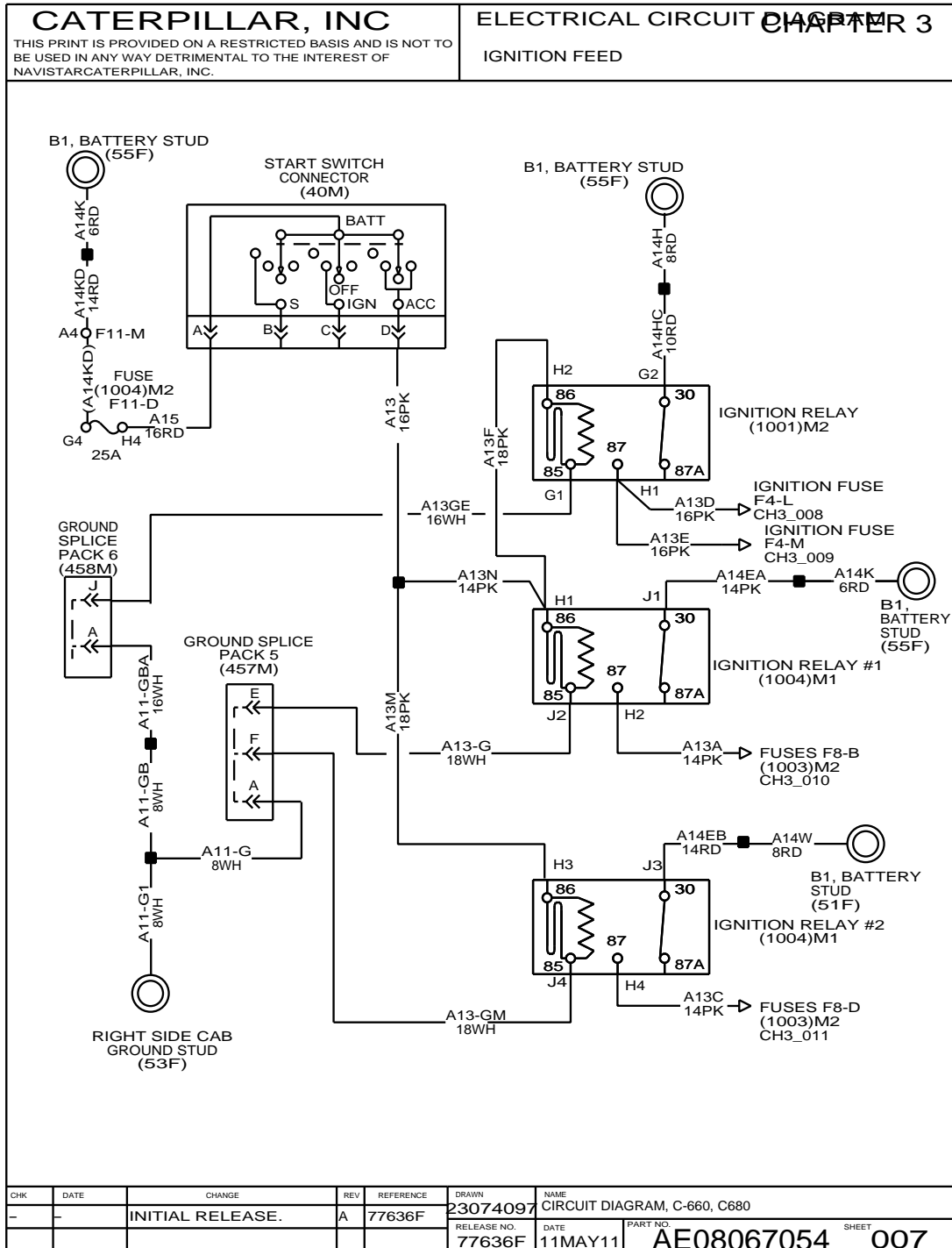
BATTERY FEED, P. 5



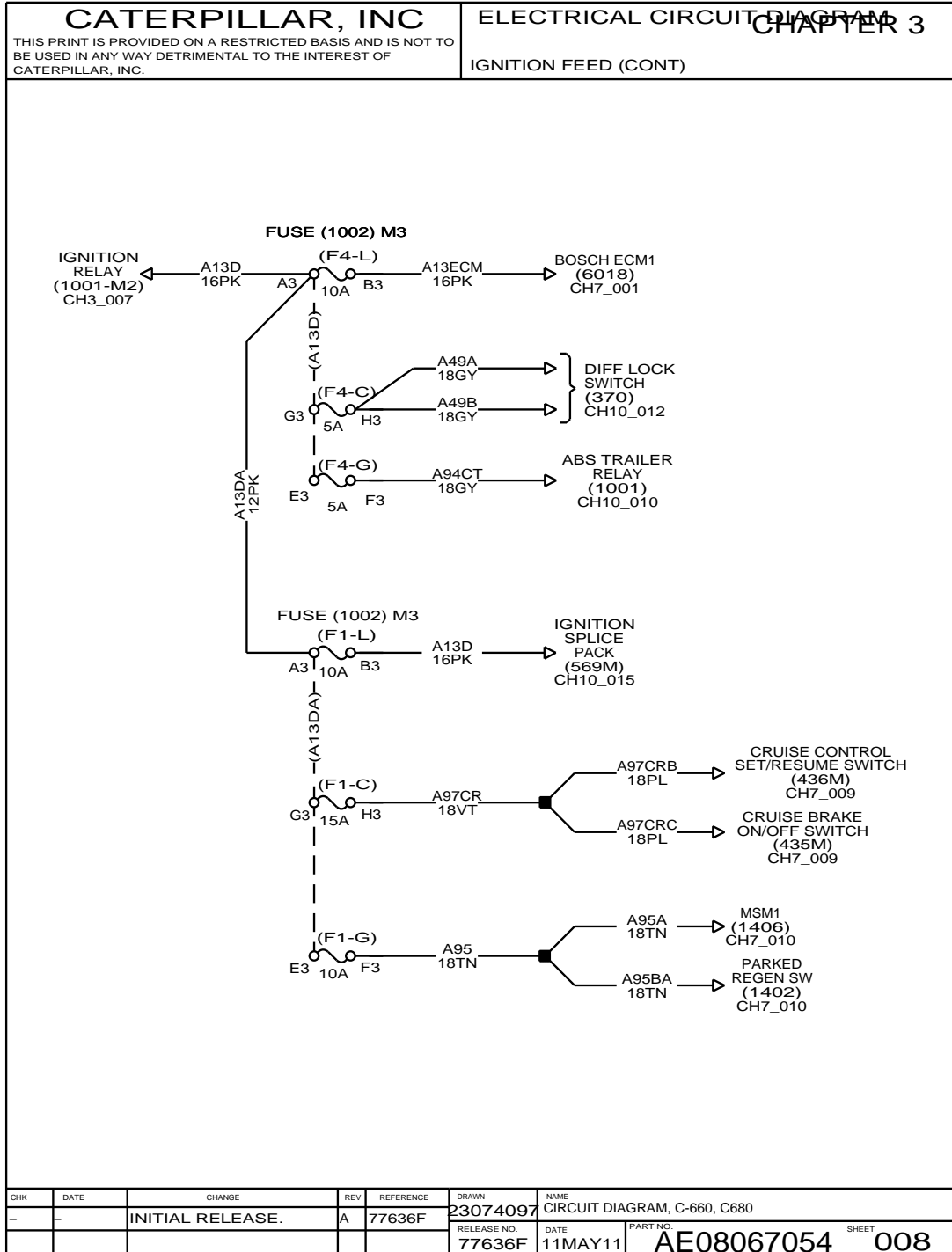
ACCESSORY FEED, P. 6



IGNITION FEED, P. 7

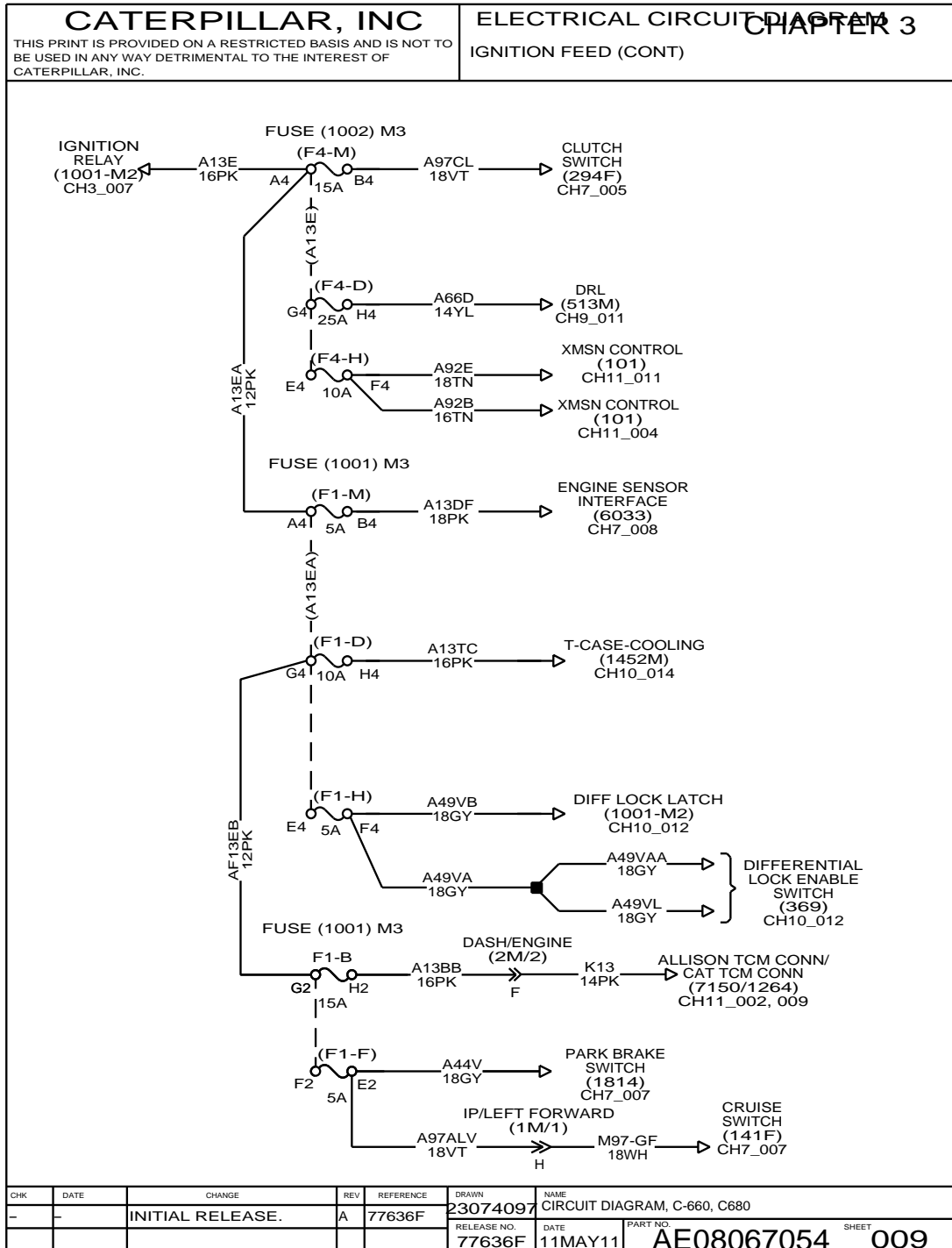


IGNITION FEED, P. 8

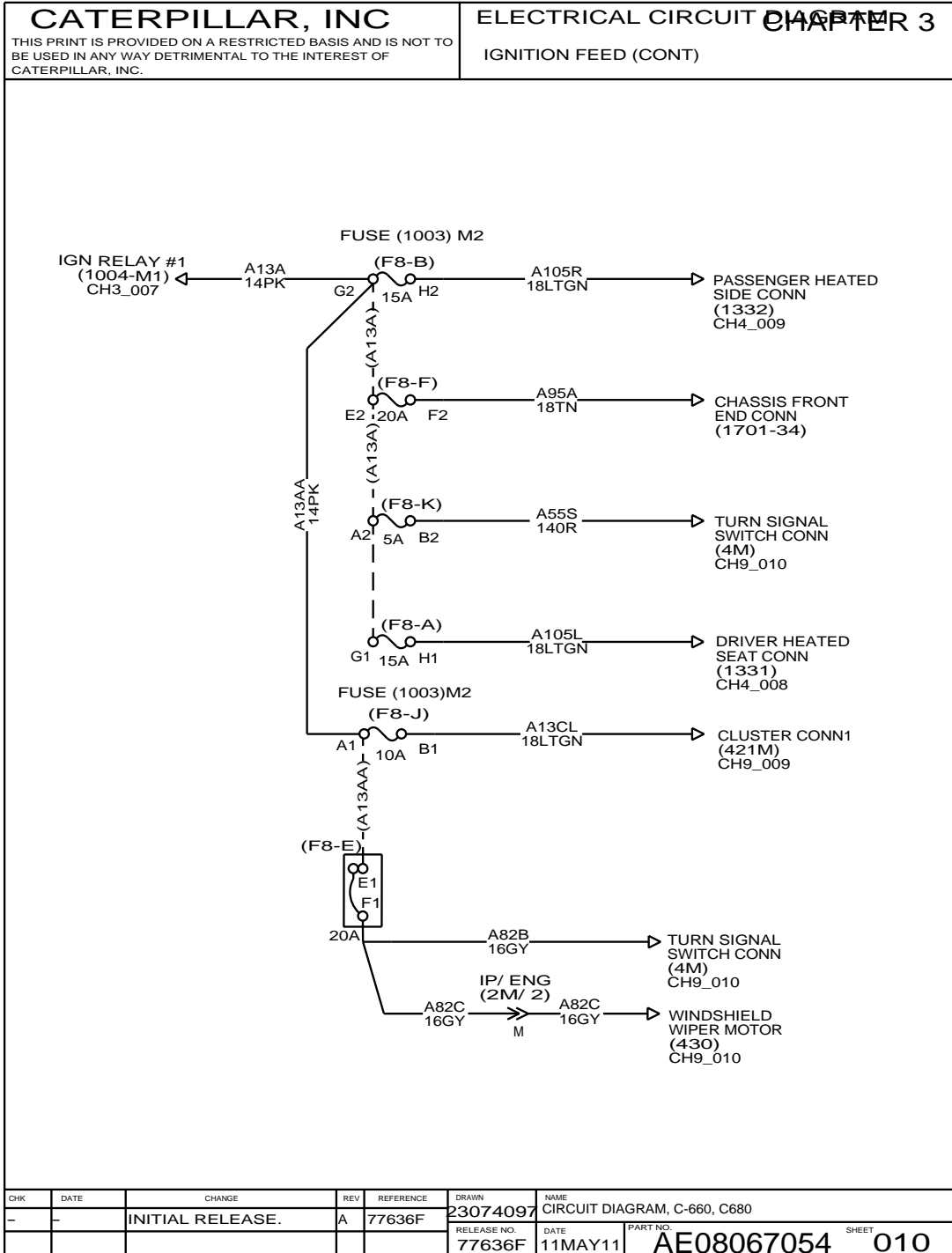


CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
-	-	INITIAL RELEASE.	A	77636F	23074097	CIRCUIT DIAGRAM, C-660, C680
					RELEASE NO.	DATE
					77636F	11MAY11
					PART NO.	SHEET
					AE08067054	008

IGNITION FEED, P. 9

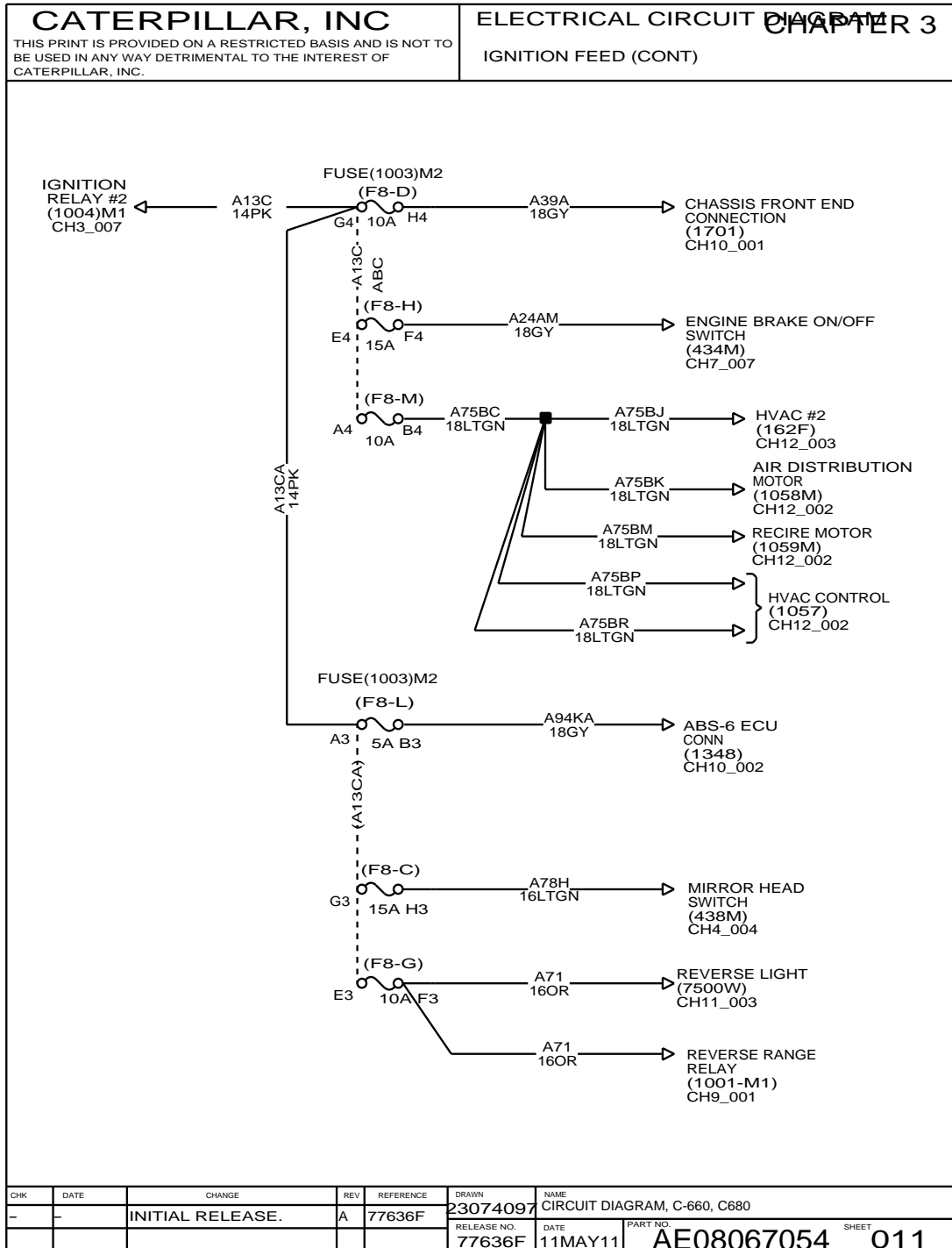


IGNITION FEED, P. 10

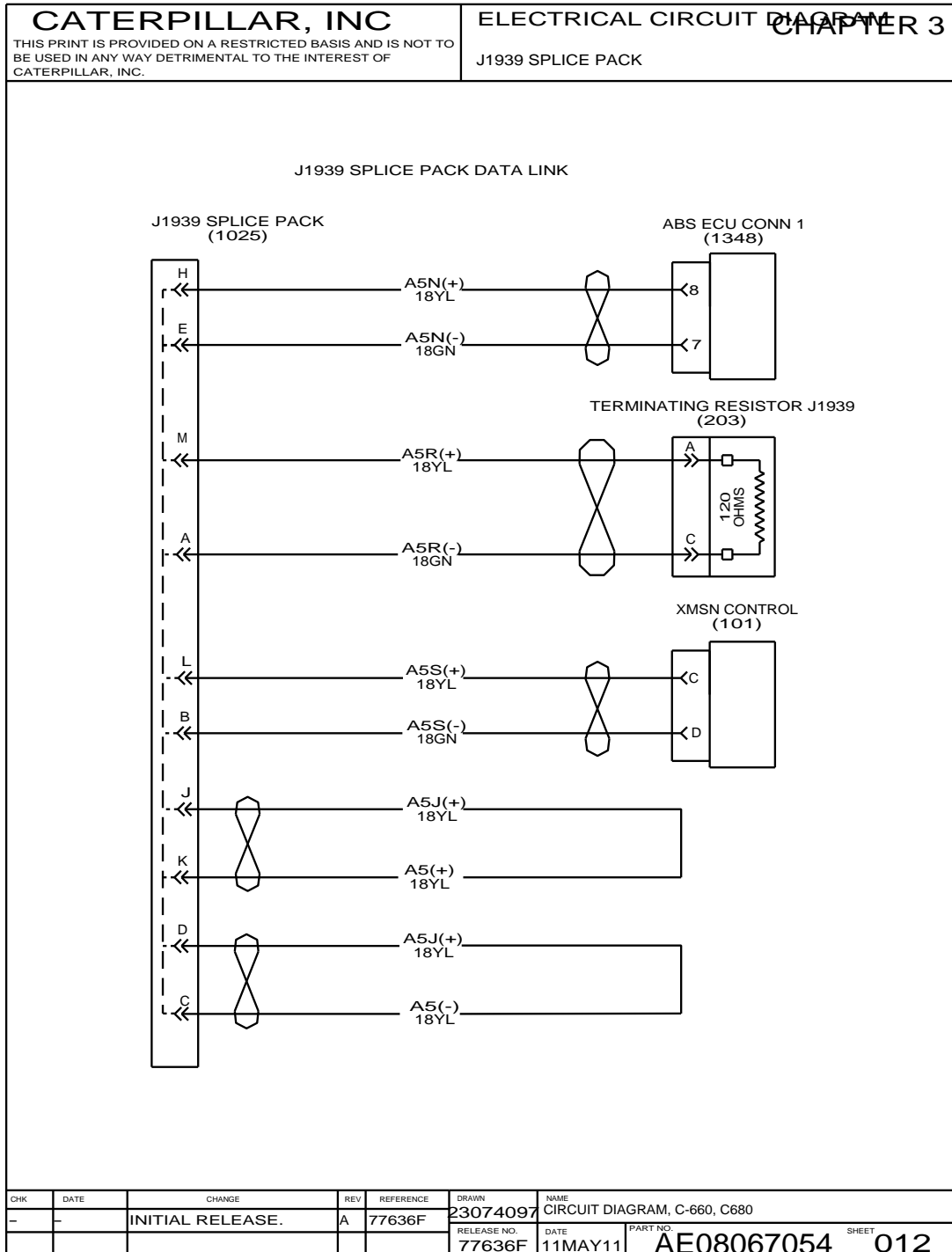


CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
-	-	INITIAL RELEASE.	A	77636F	23074097	CIRCUIT DIAGRAM, C-660, C680
					RELEASE NO.	DATE
					77636F	11MAY11
					PART NO.	SHEET
					AE08067054	010

IGNITION FEED, P. 11

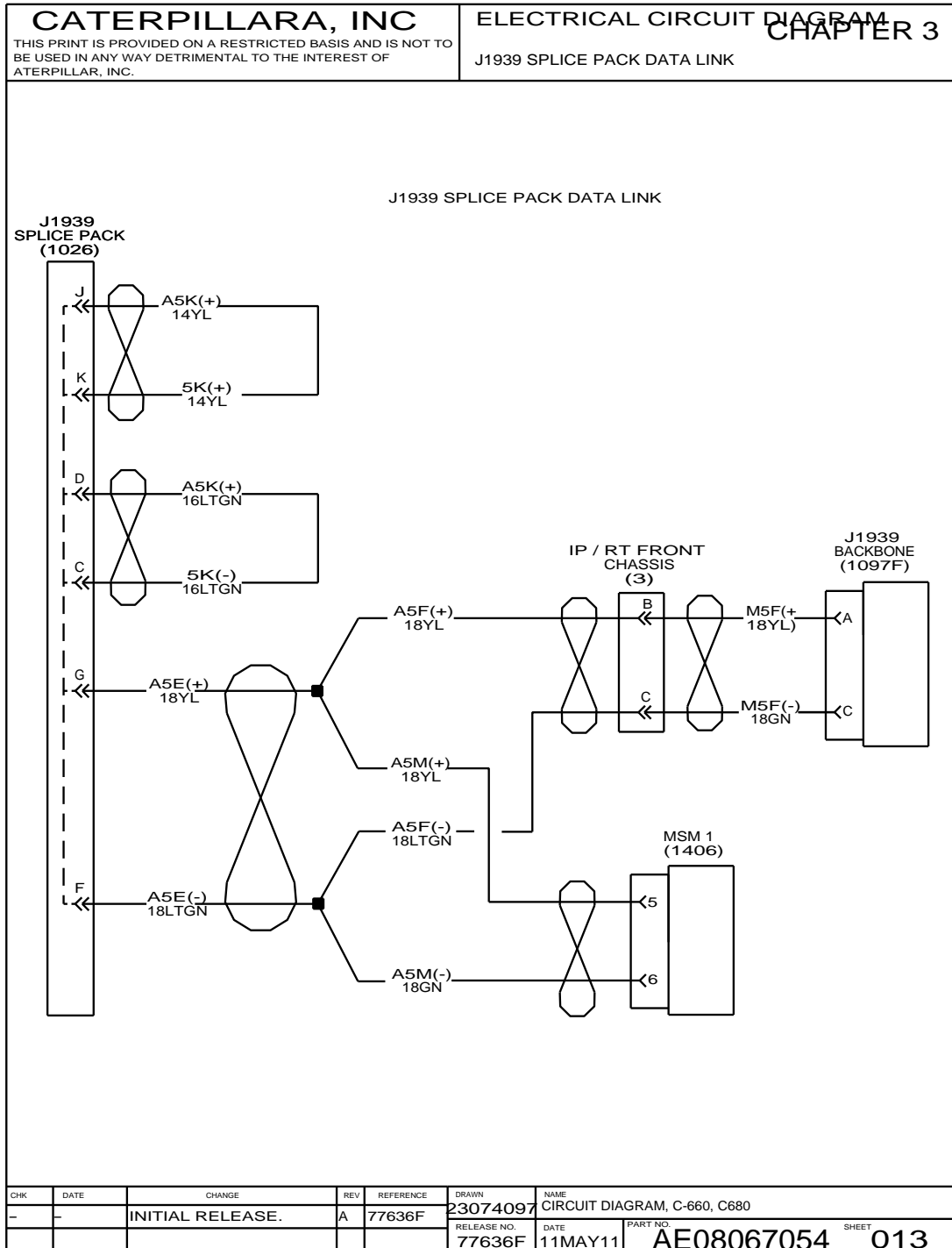


J1939 SPLICE PACK, P. 12

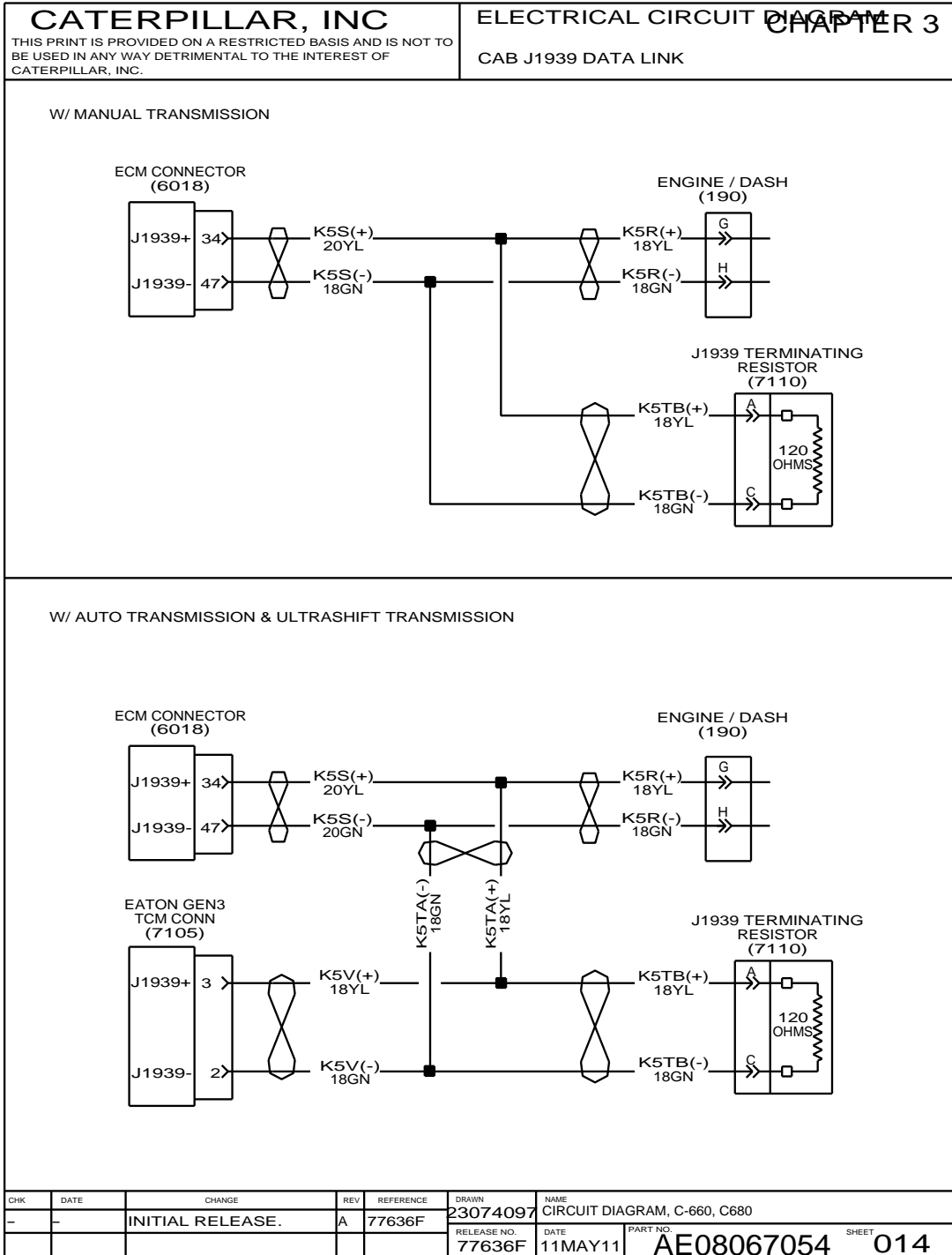




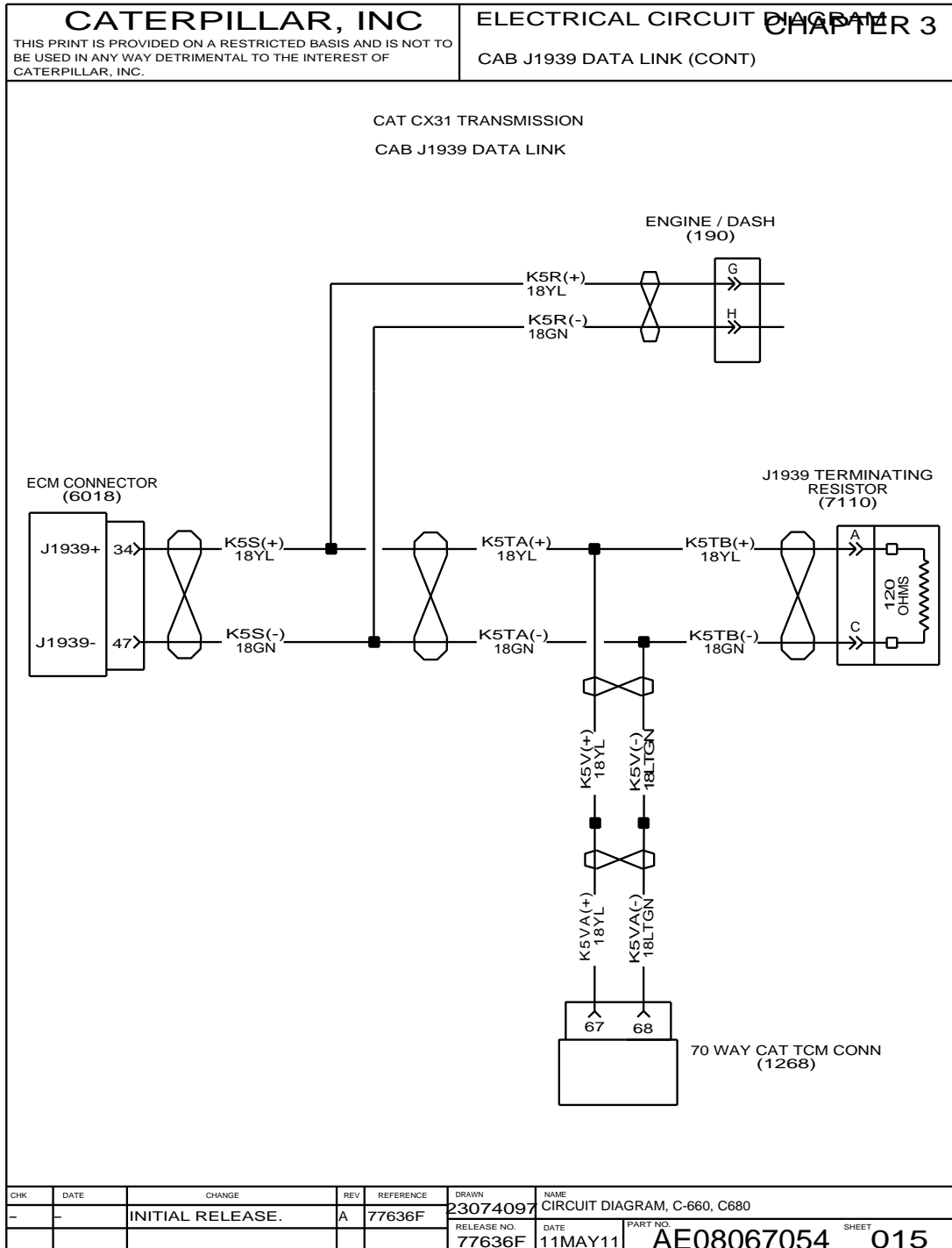
J1939 SPLICE PACK DATA LINK, P. 13



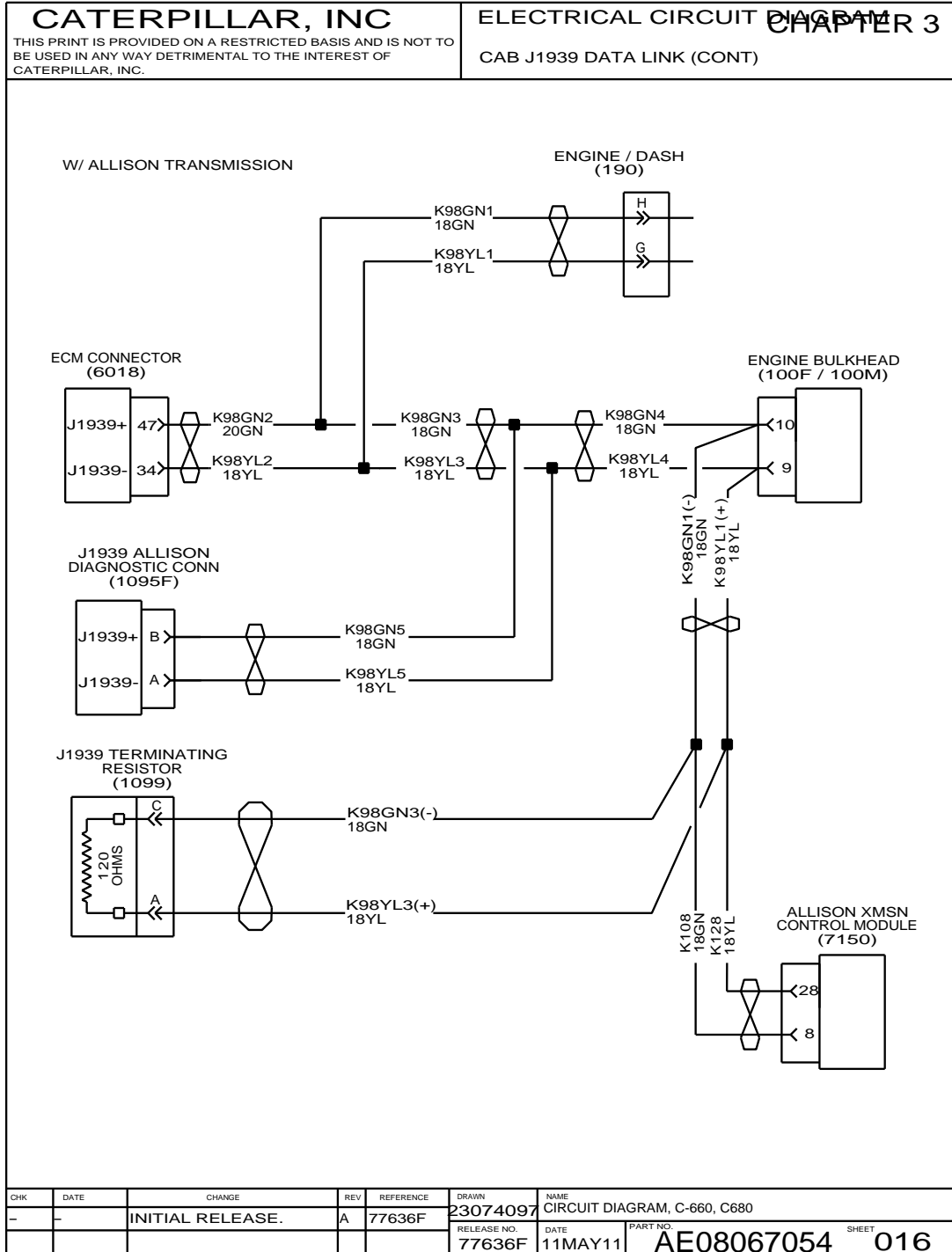
CAB J1939 DATA LINK, P. 14



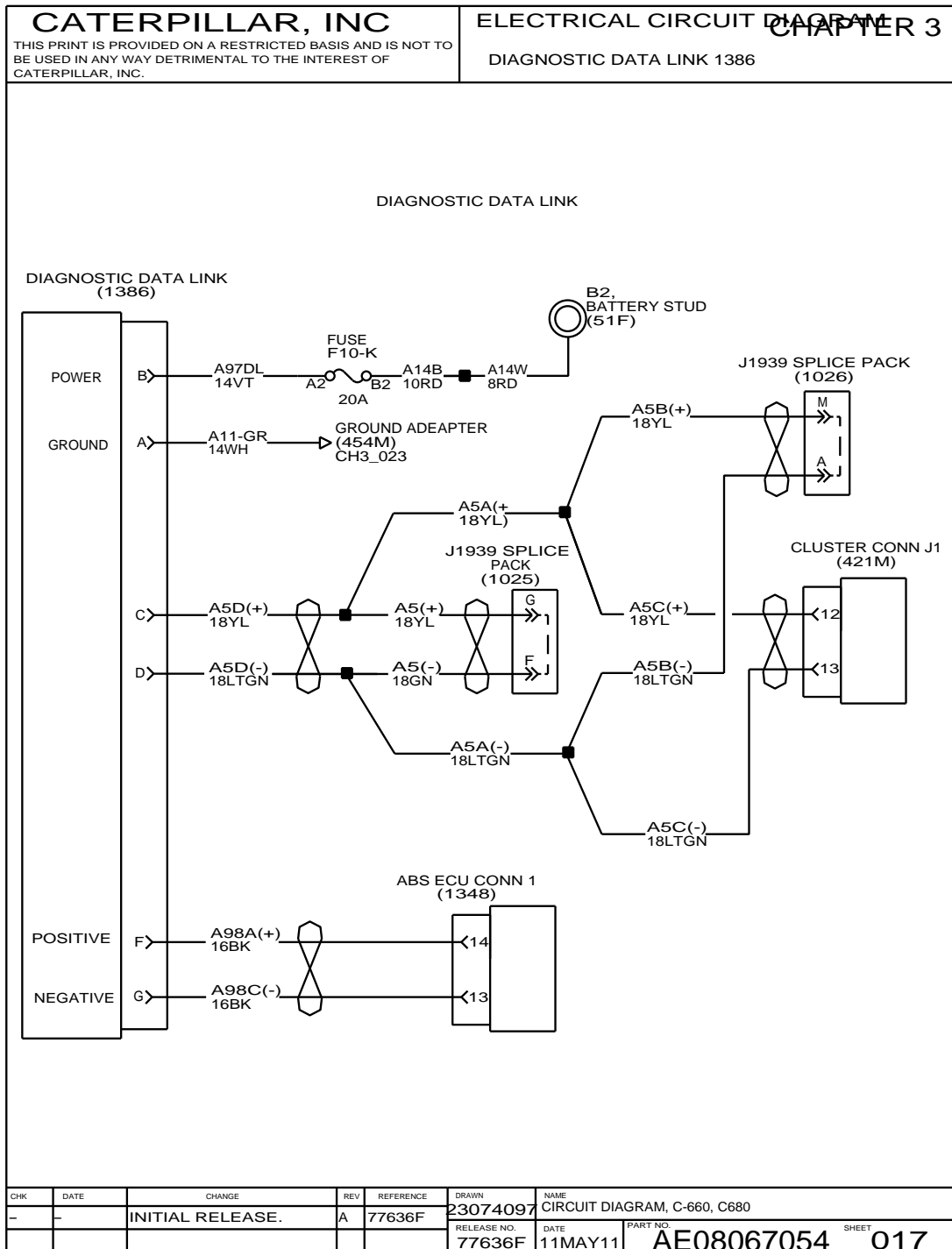
CAB J1939 DATA LINK, P. 15



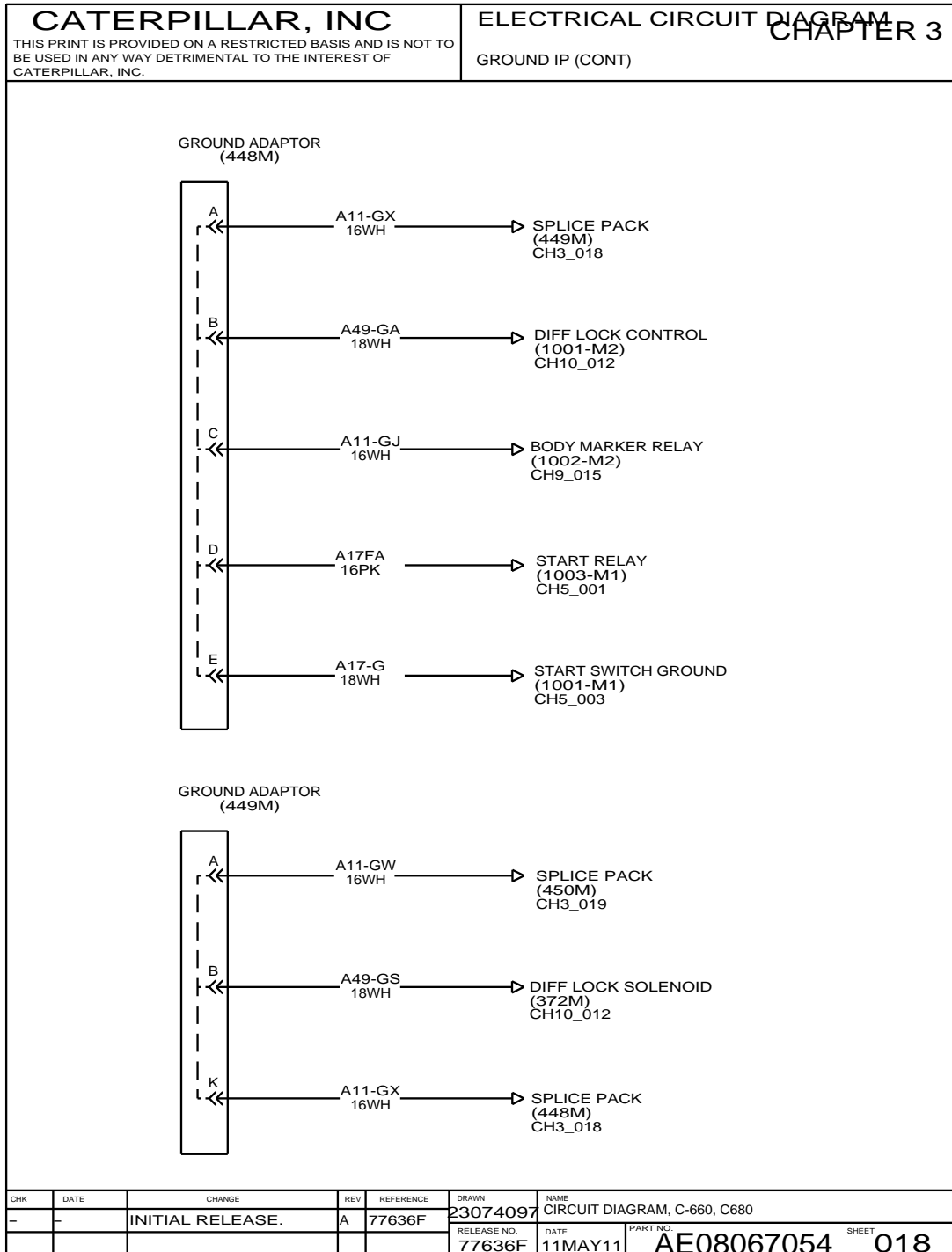
CAB J1939 DATA LINK, P. 16



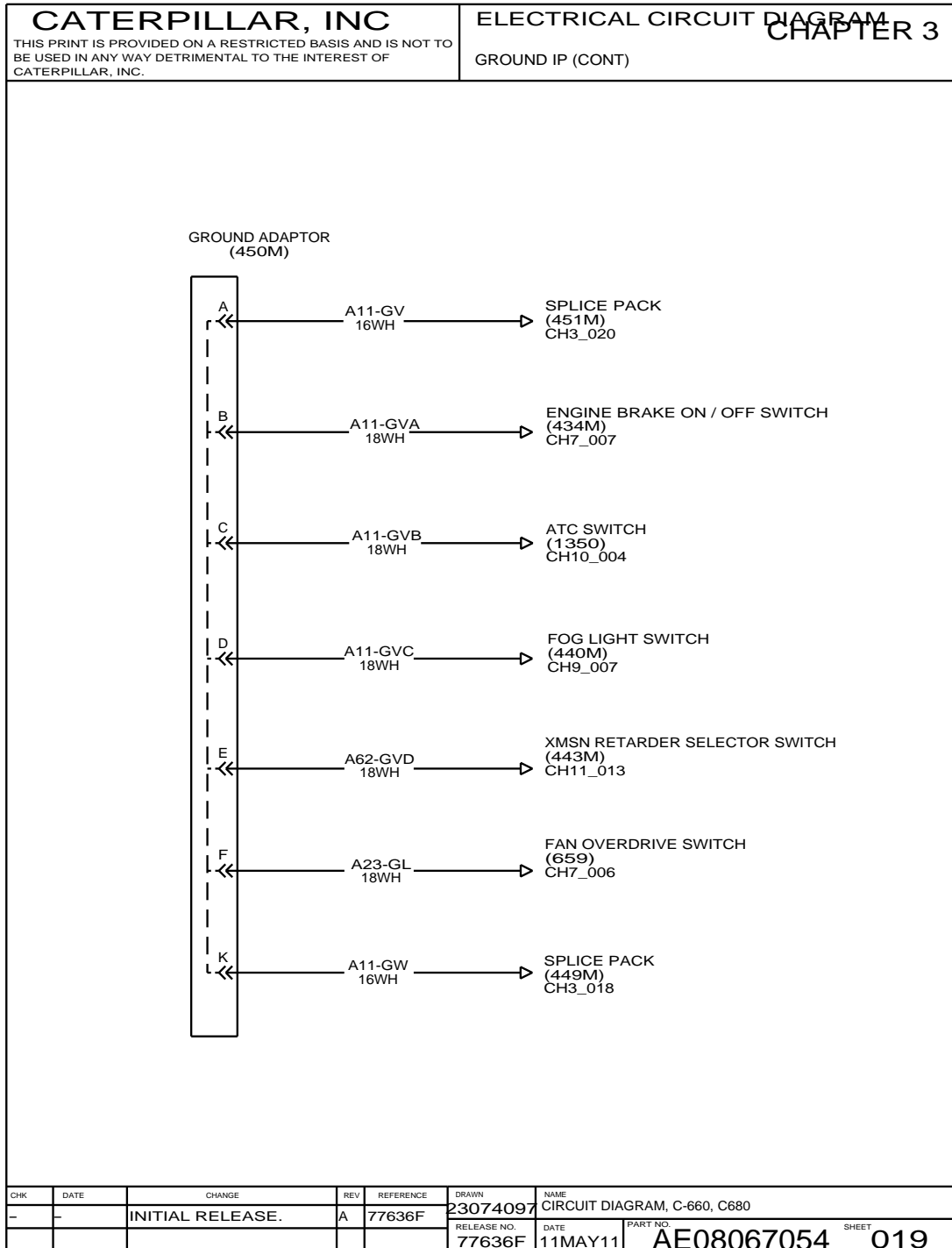
DIAGNOSTIC DATA LINK 1386, P. 17



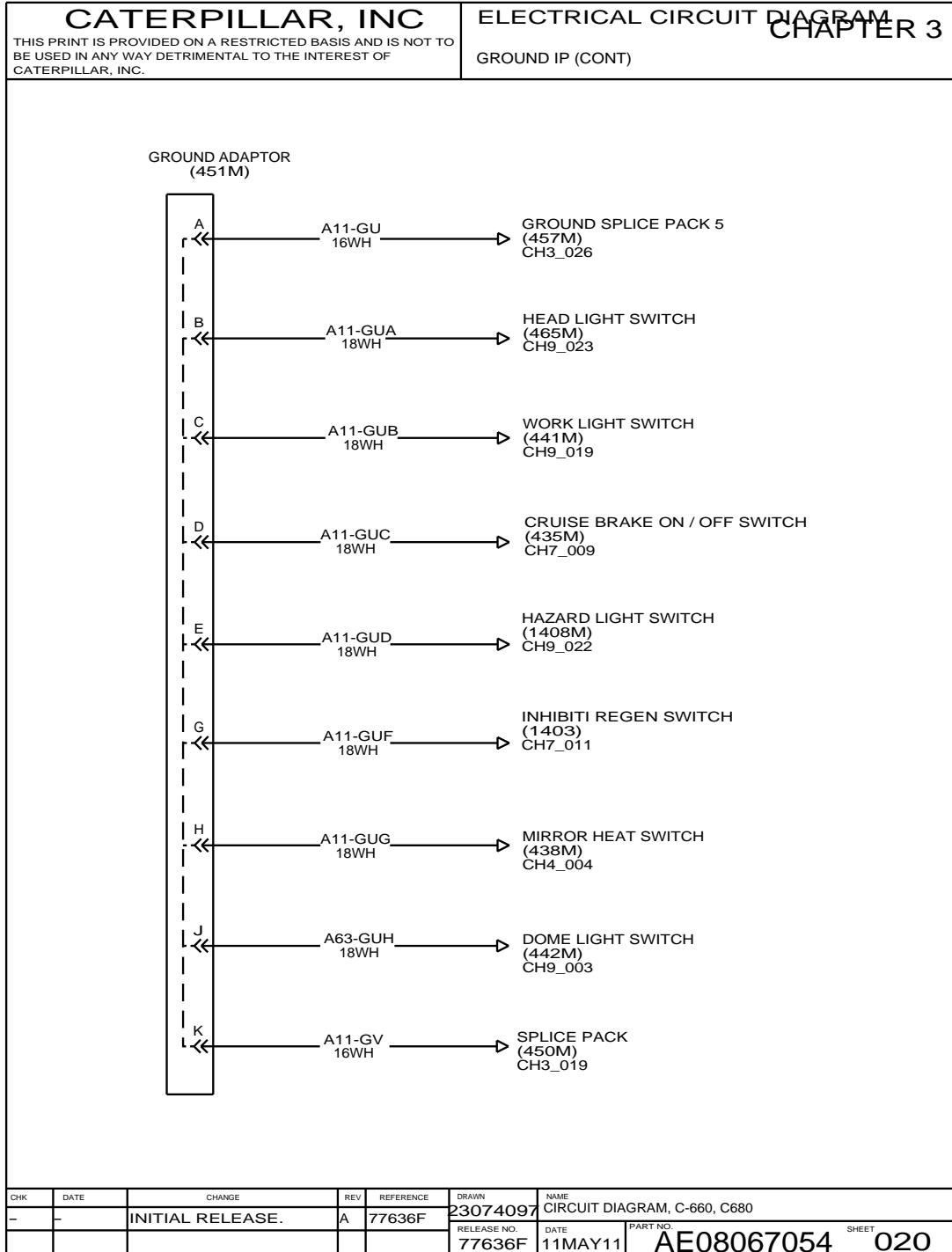
GROUND IP, P. 18



GROUND IP, P. 19

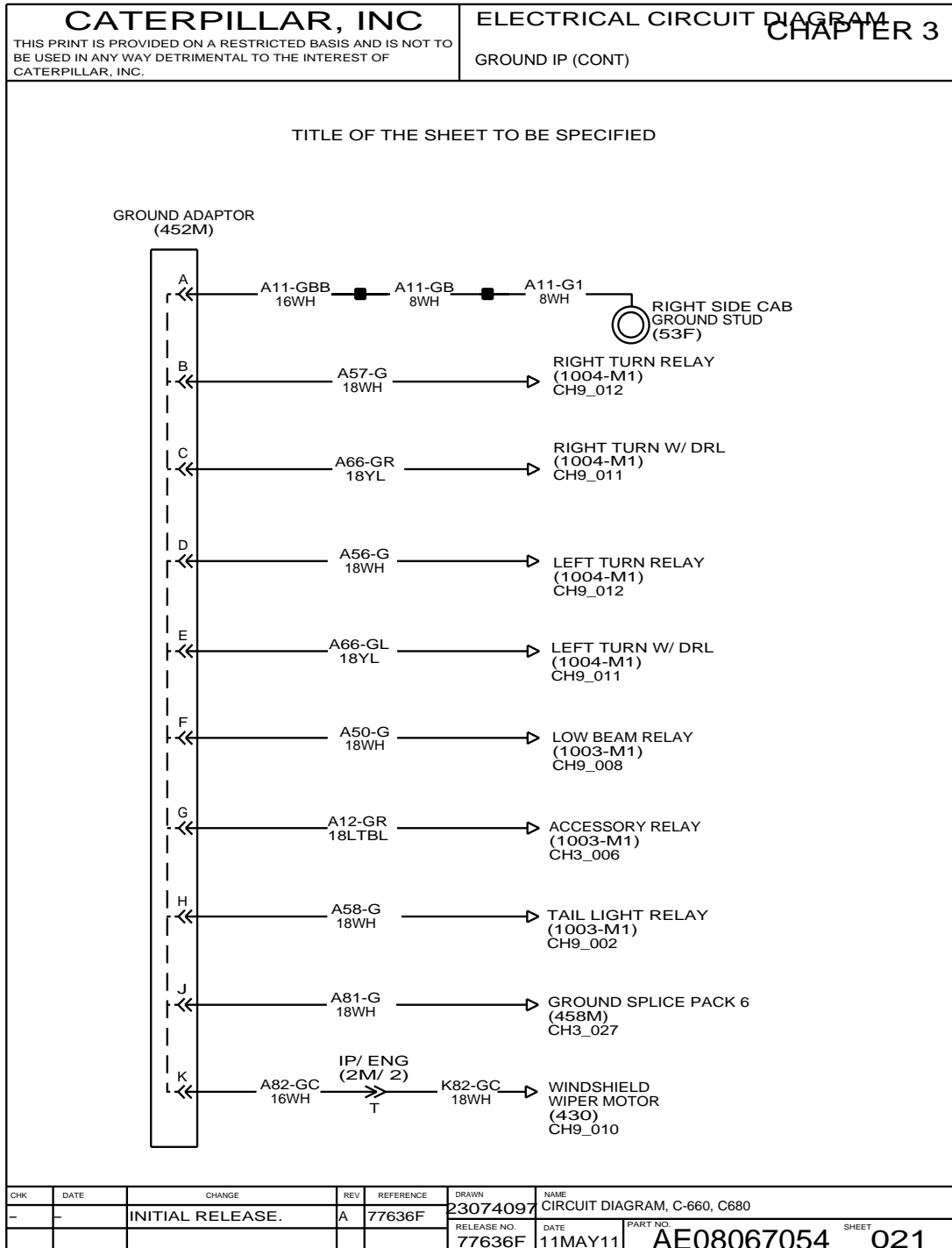


GROUND IP, P. 20

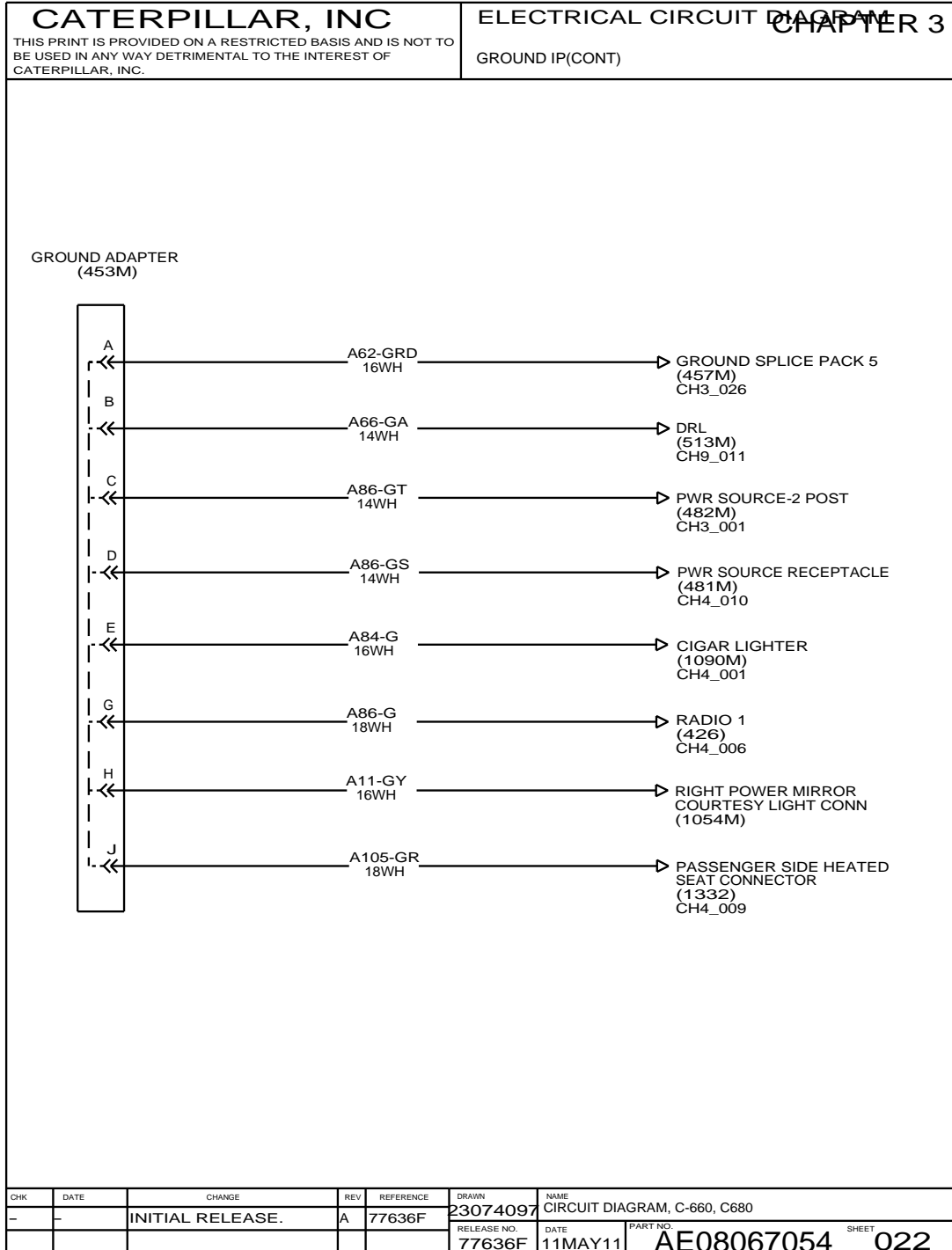




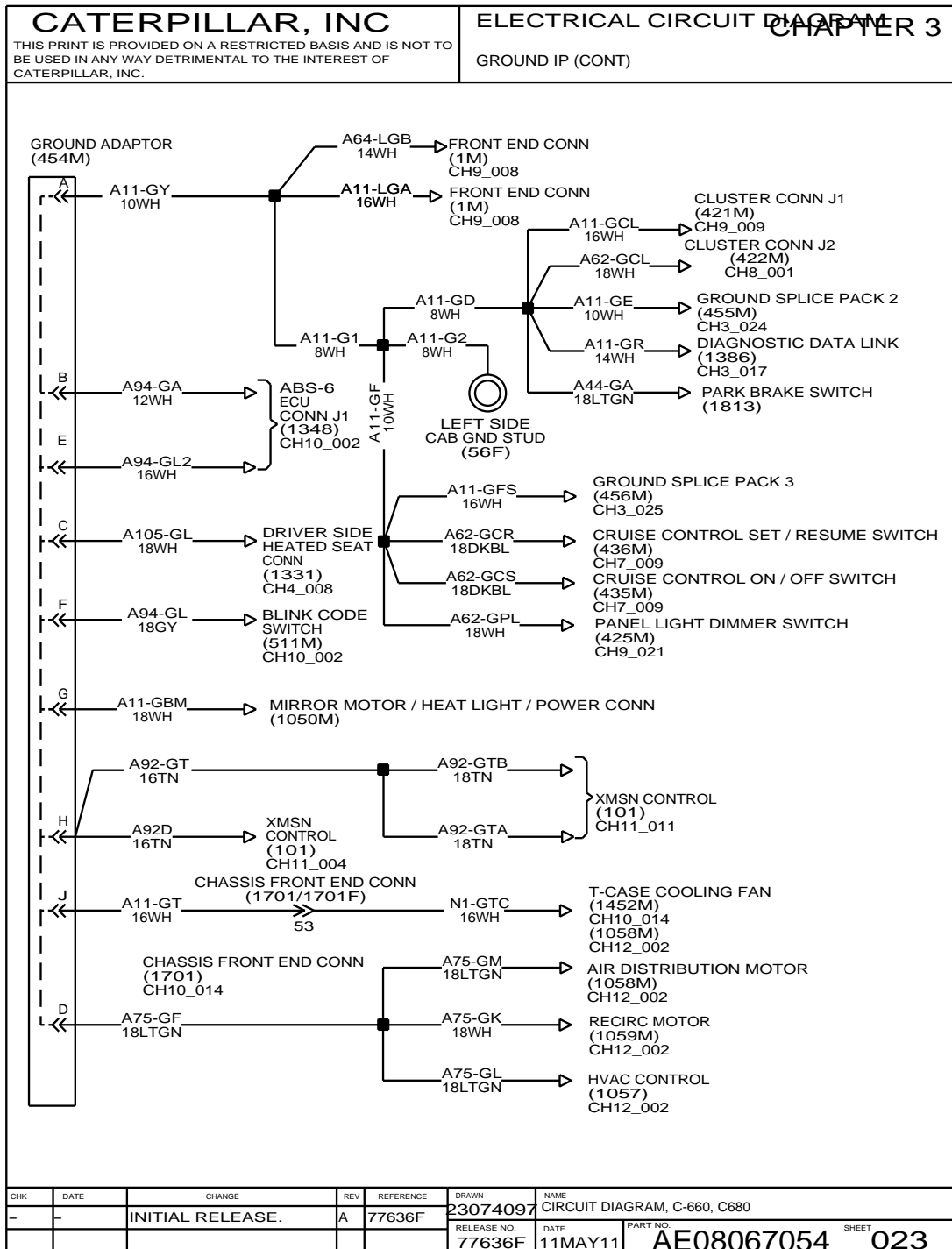
GROUND IP, P. 21



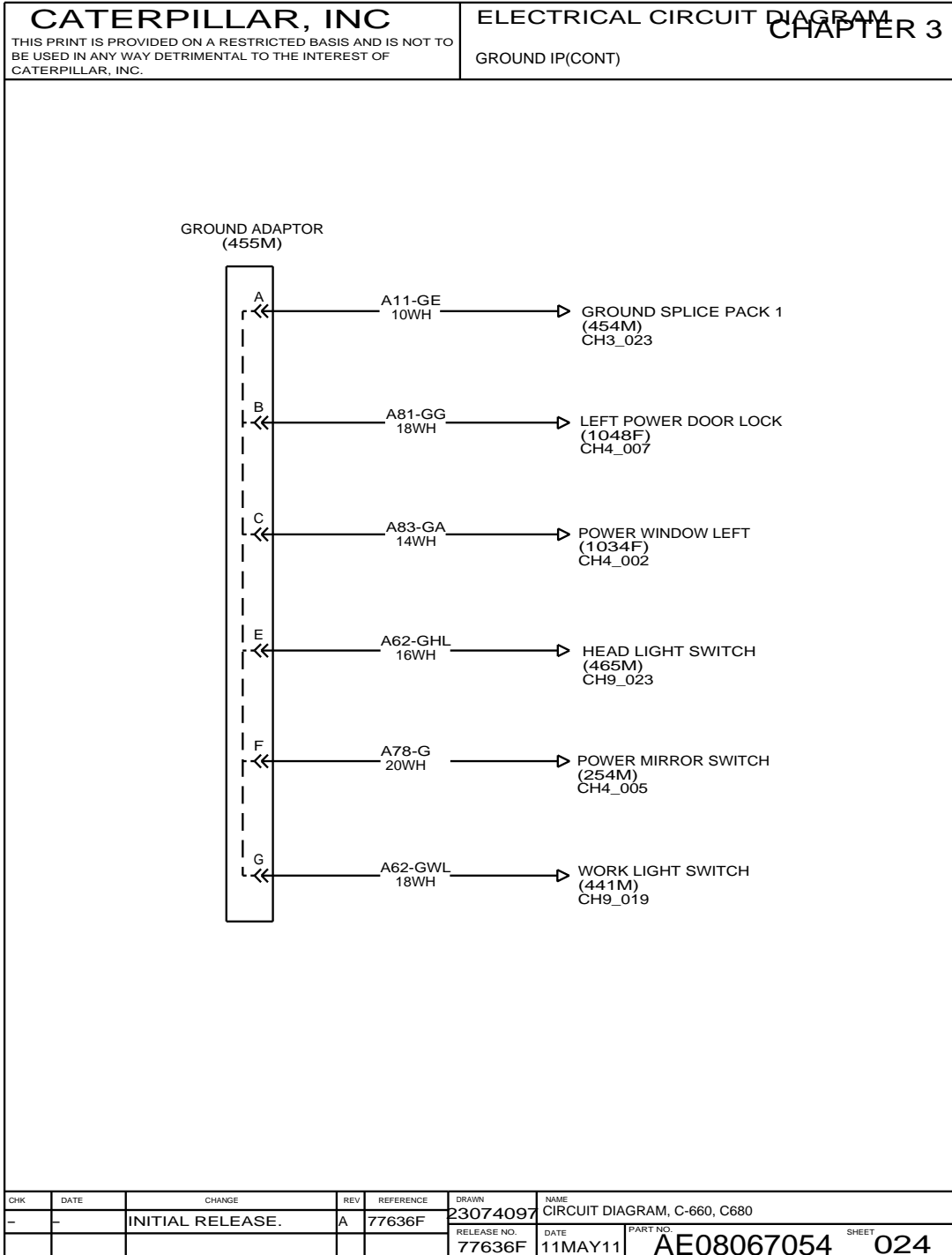
GROUND IP, P. 22



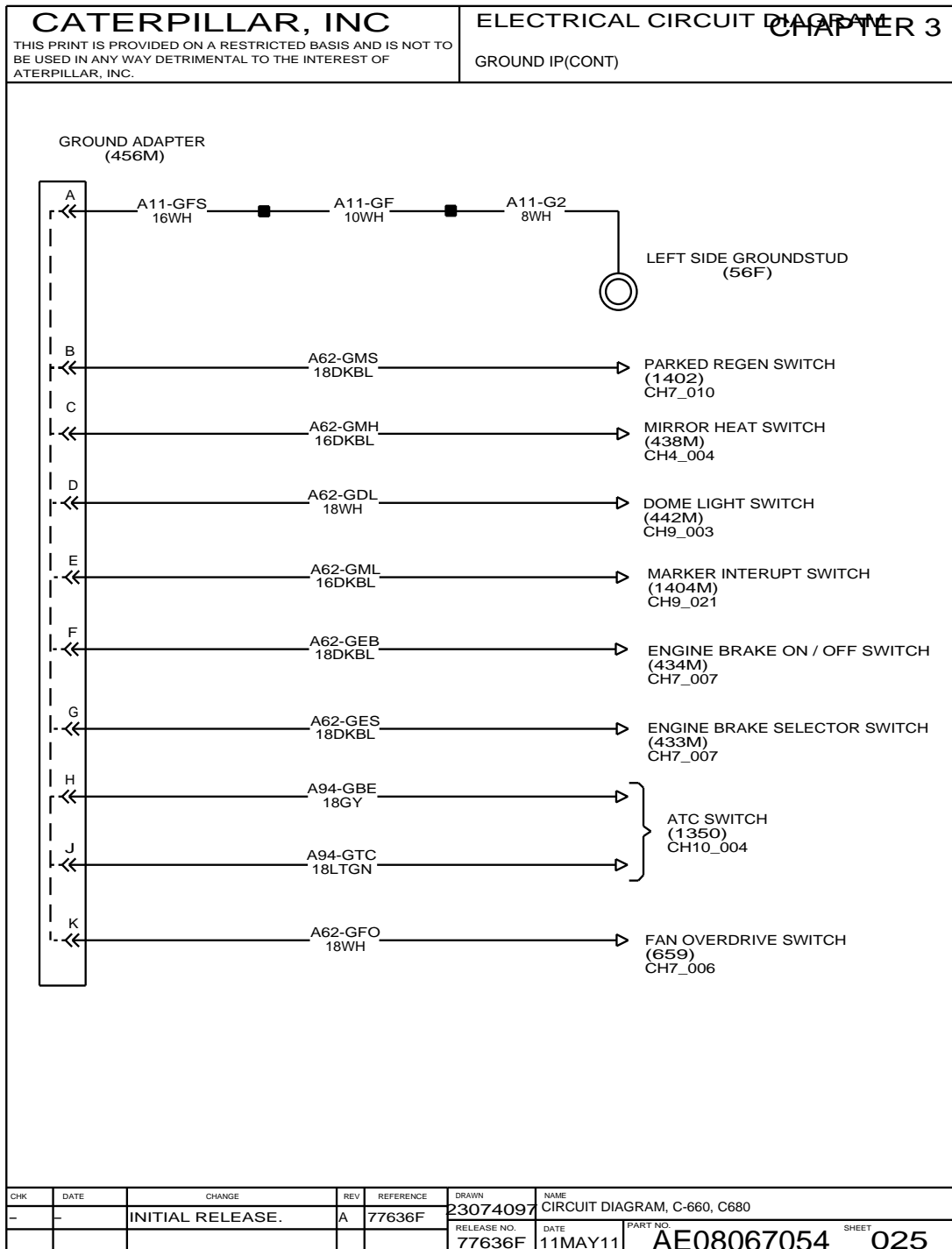
GROUND IP, P. 23



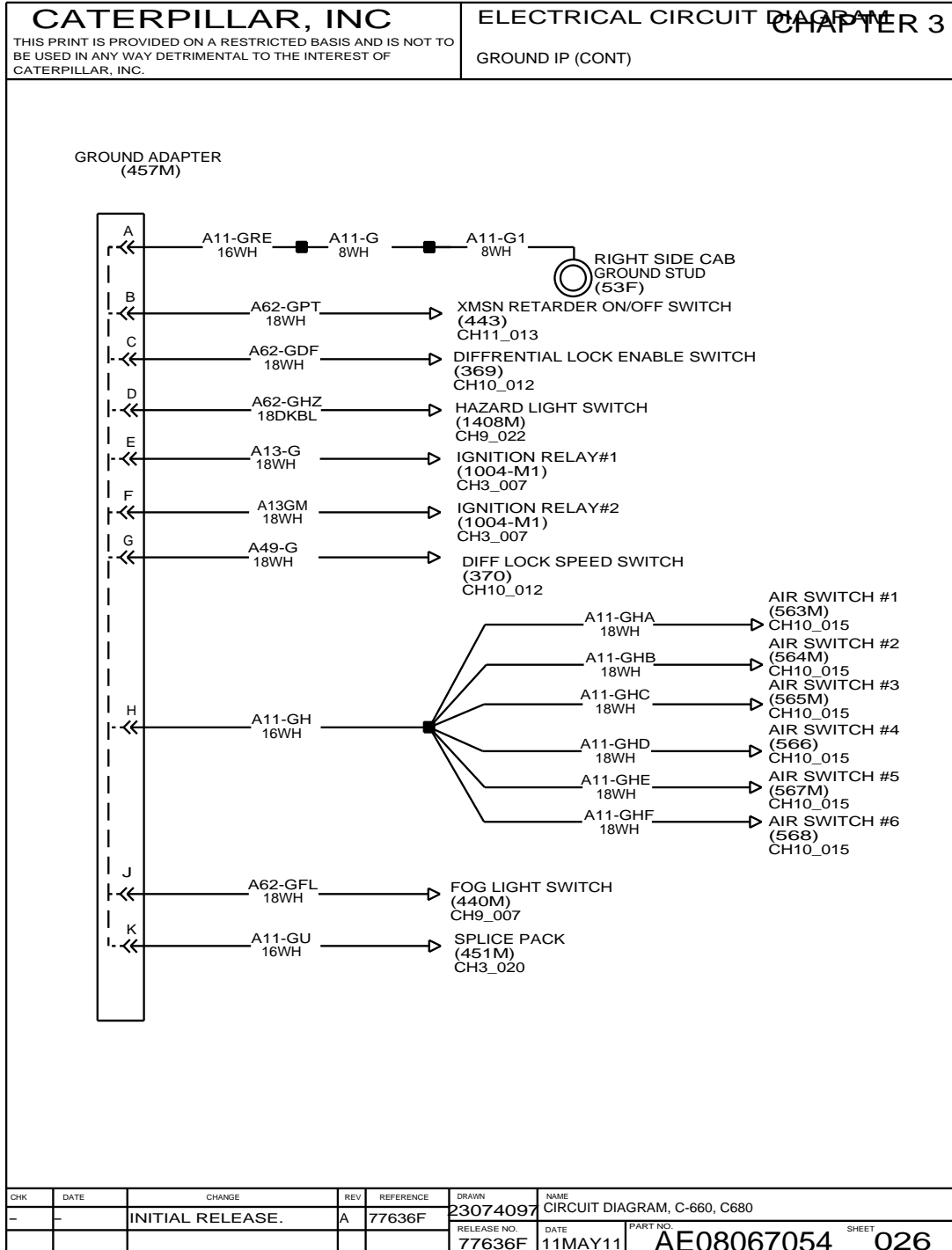
GROUND IP, P. 24



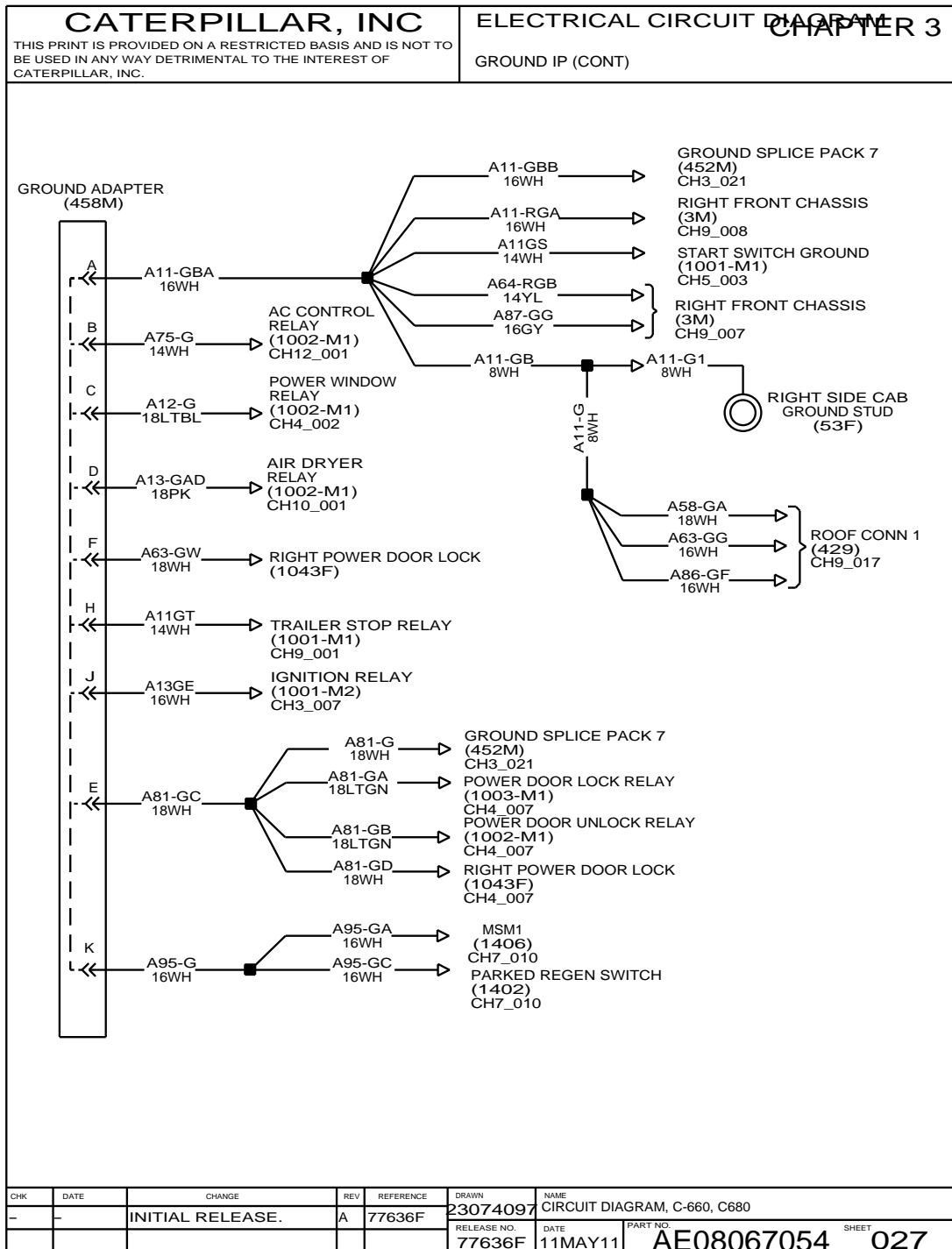
GROUND IP, P. 25



GROUND IP, P. 26

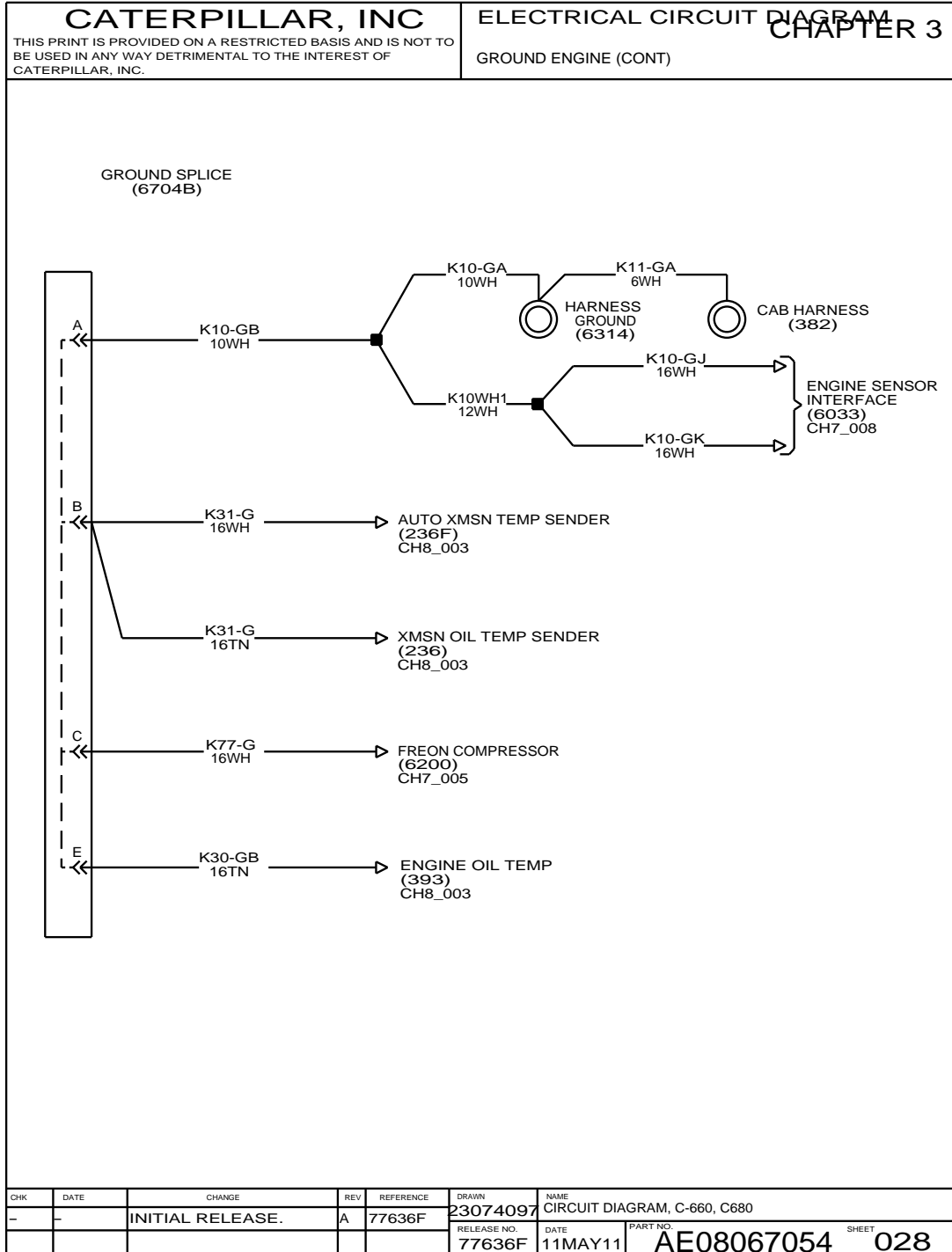


GROUND IP, P. 27



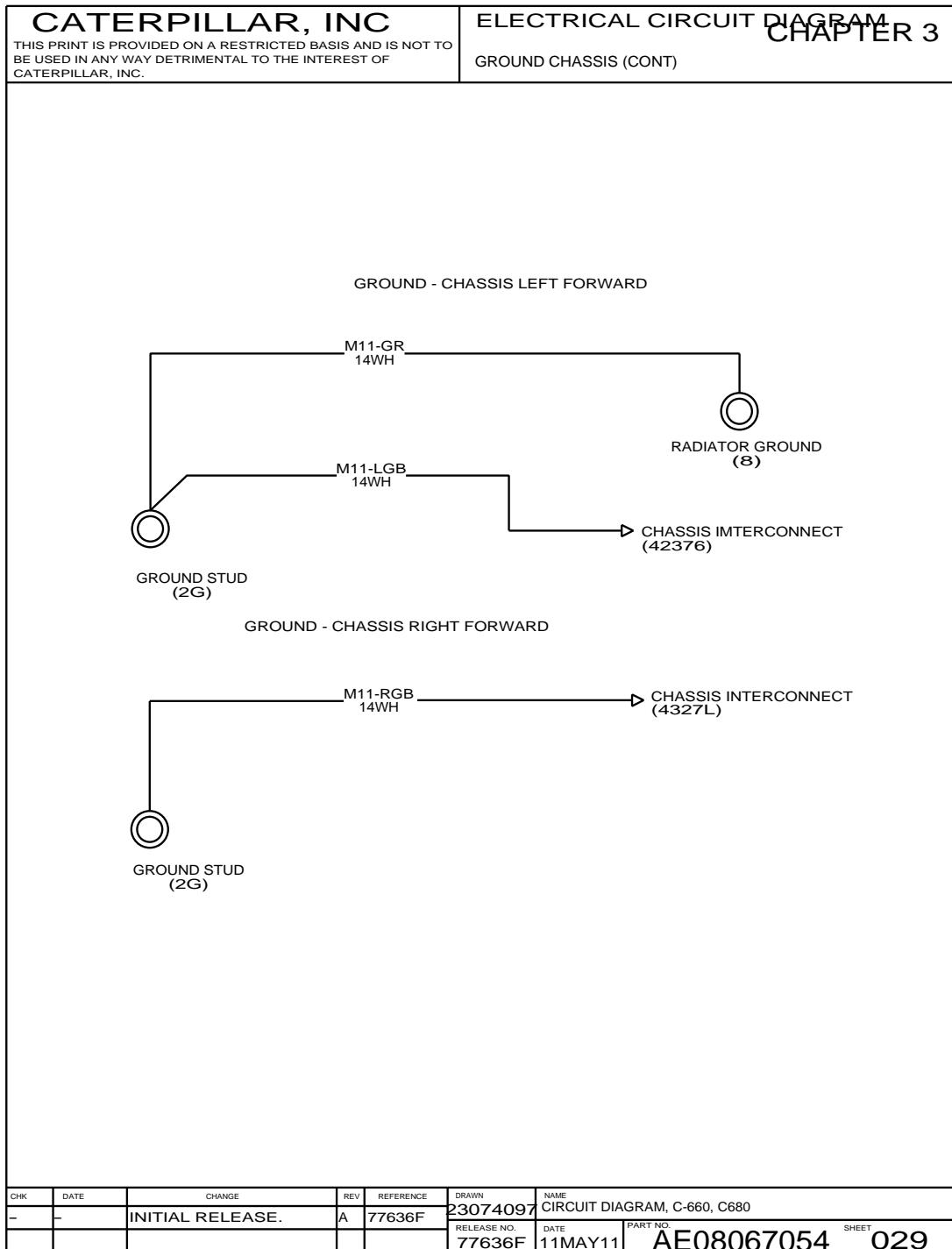
CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
-	-	INITIAL RELEASE.	A	77636F	23074097	CIRCUIT DIAGRAM, C-660, C680
					77636F	11MAY11
						AE08067054
						027

GROUND ENGINE, P. 28

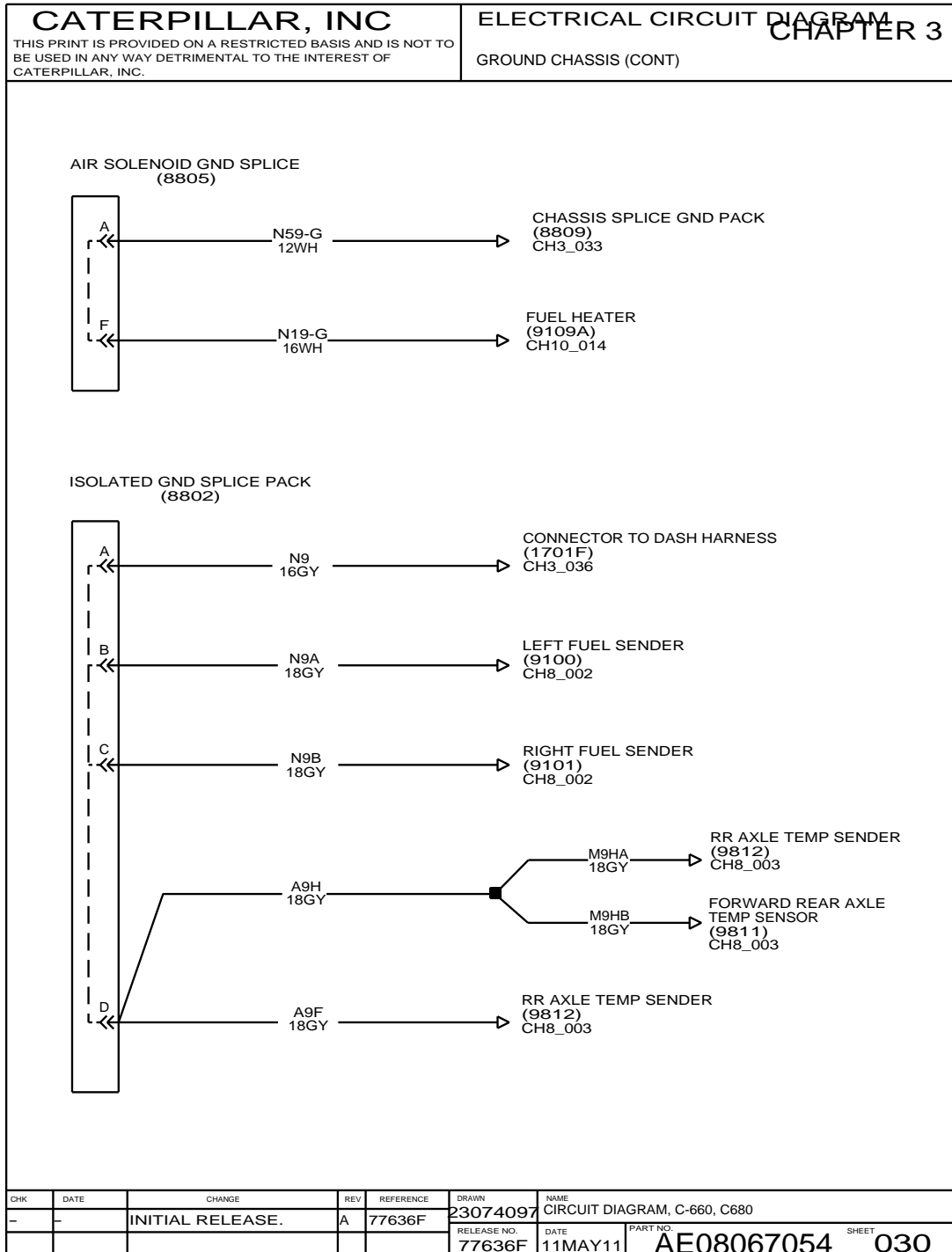




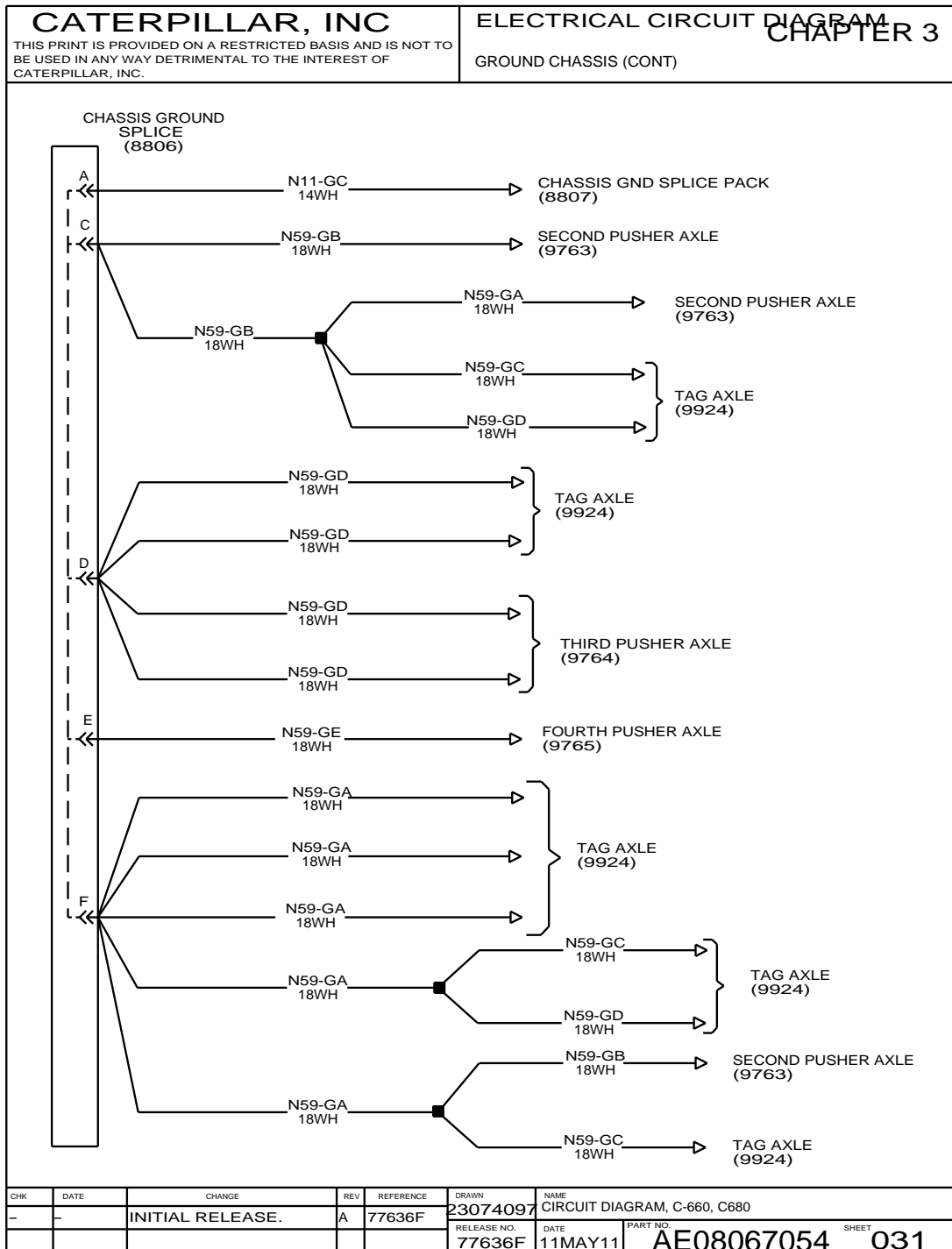
GROUND CHASSIS, P. 29



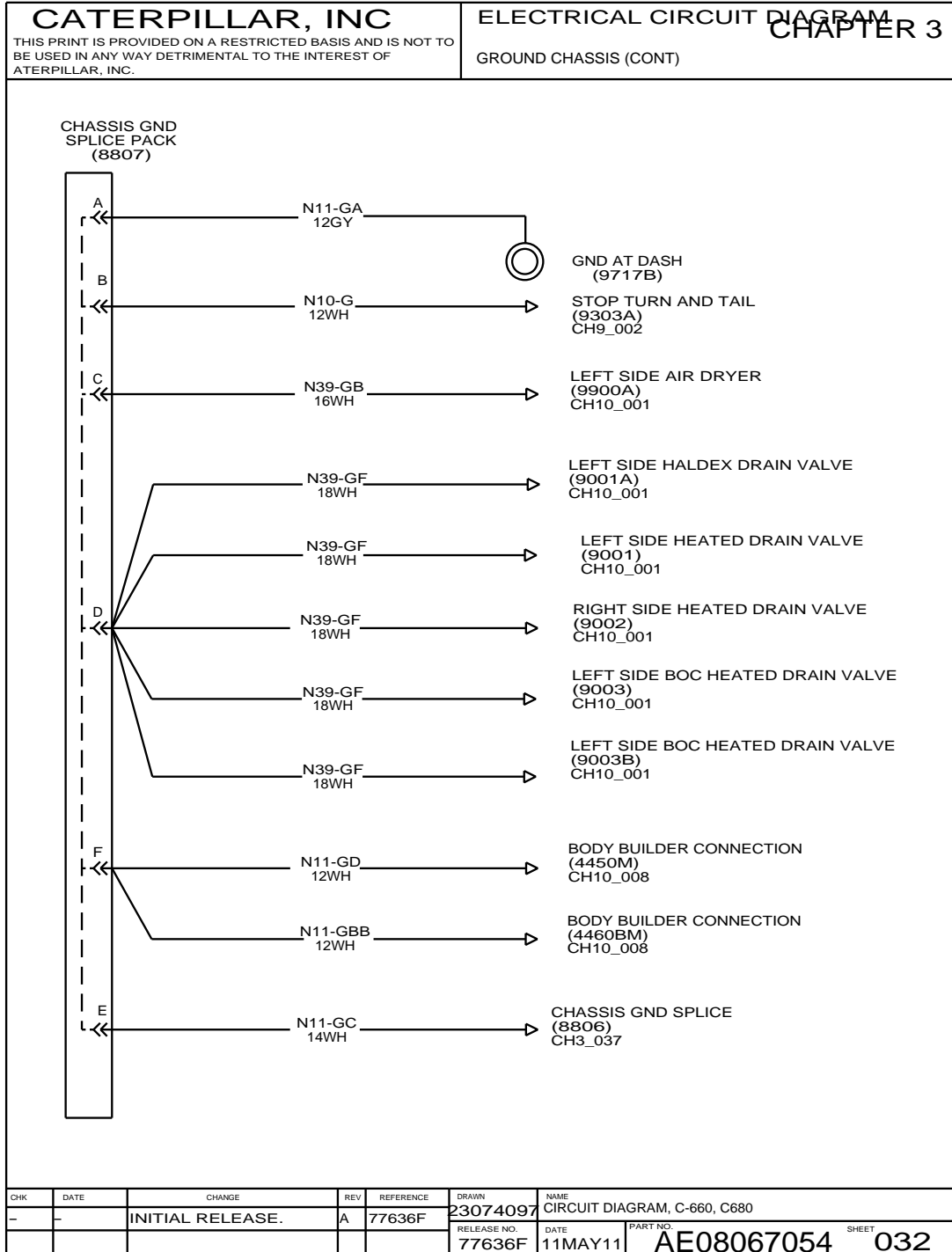
GROUND CHASSIS, P. 30



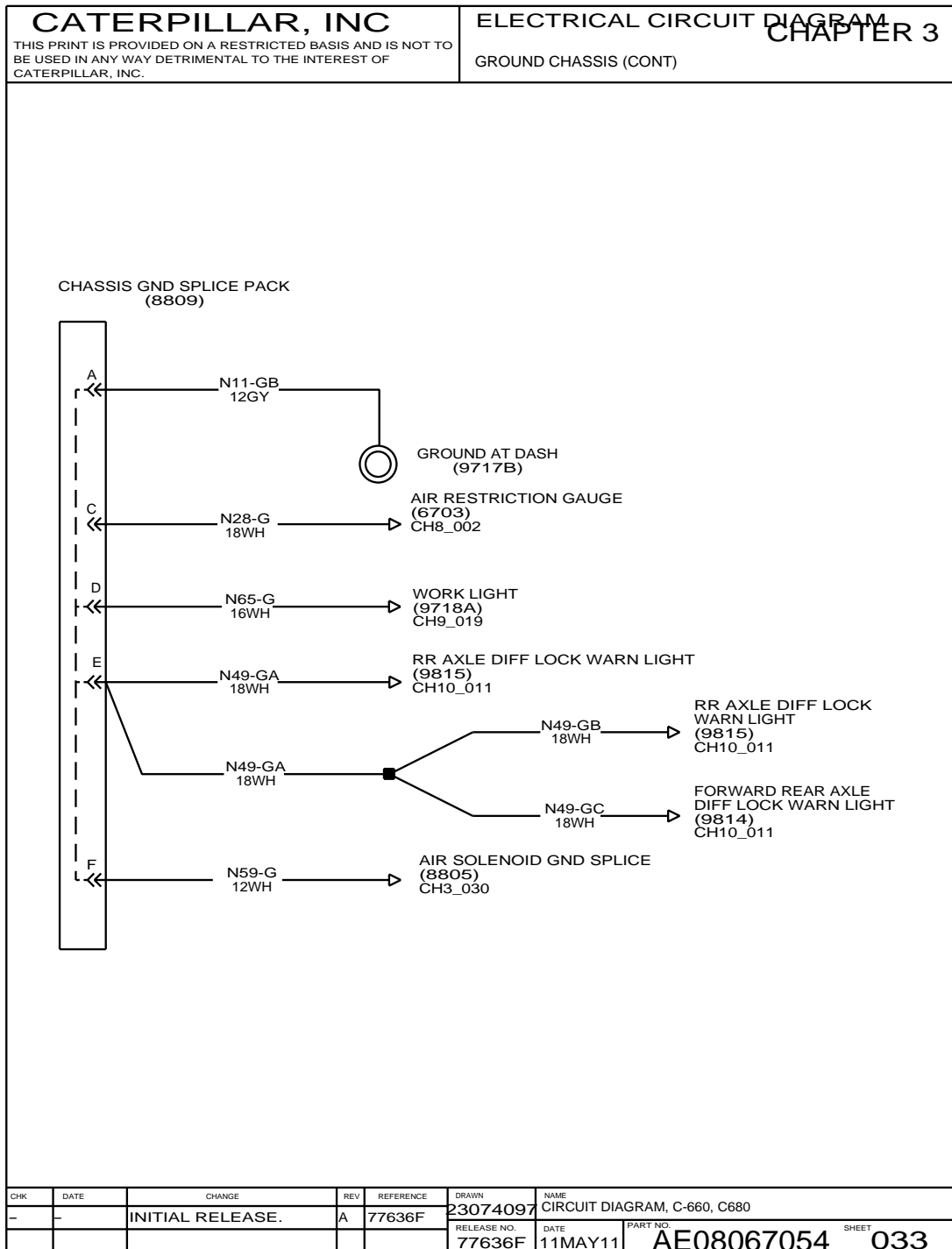
GROUND CHASSIS, P. 31



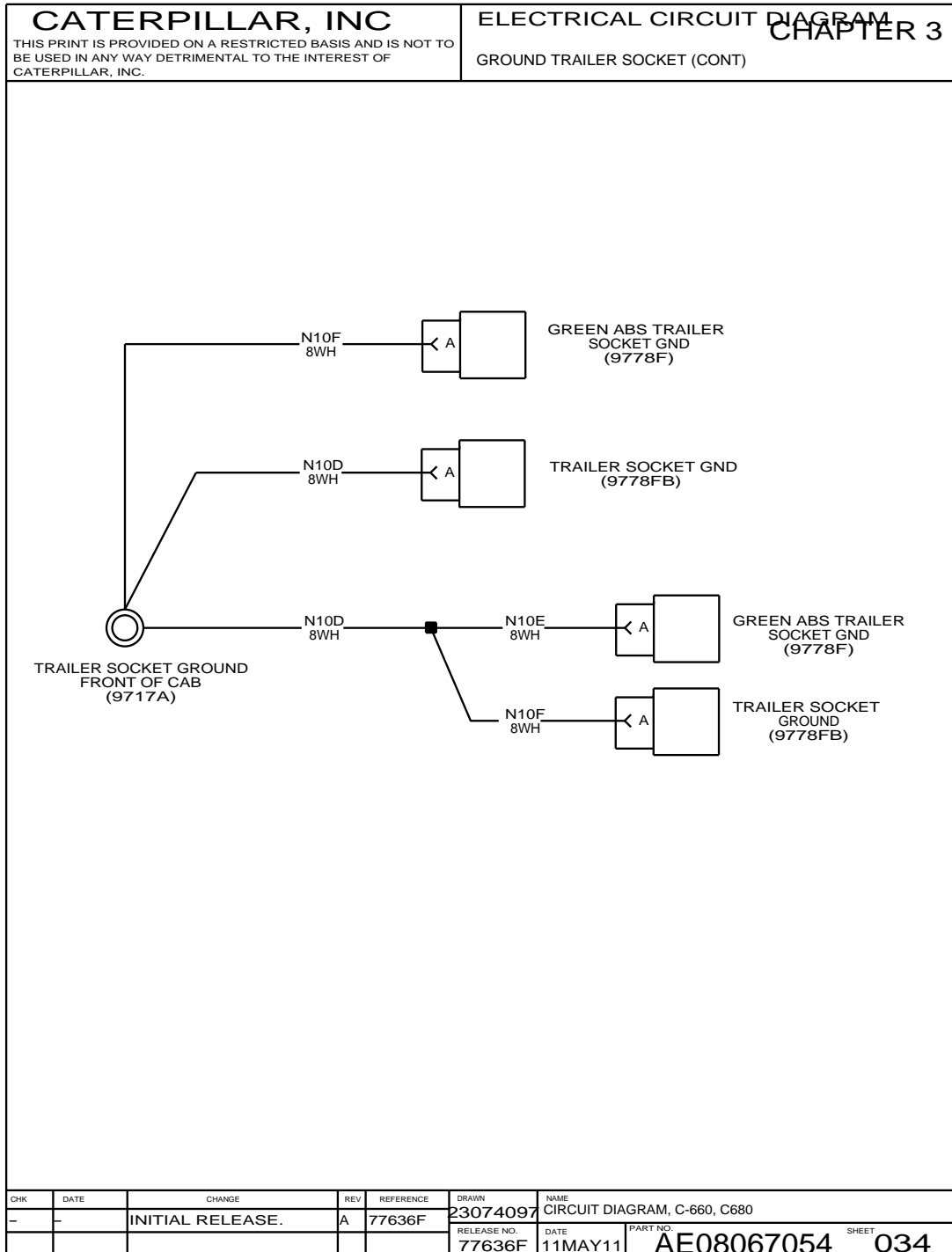
GROUND CHASSIS, P. 32



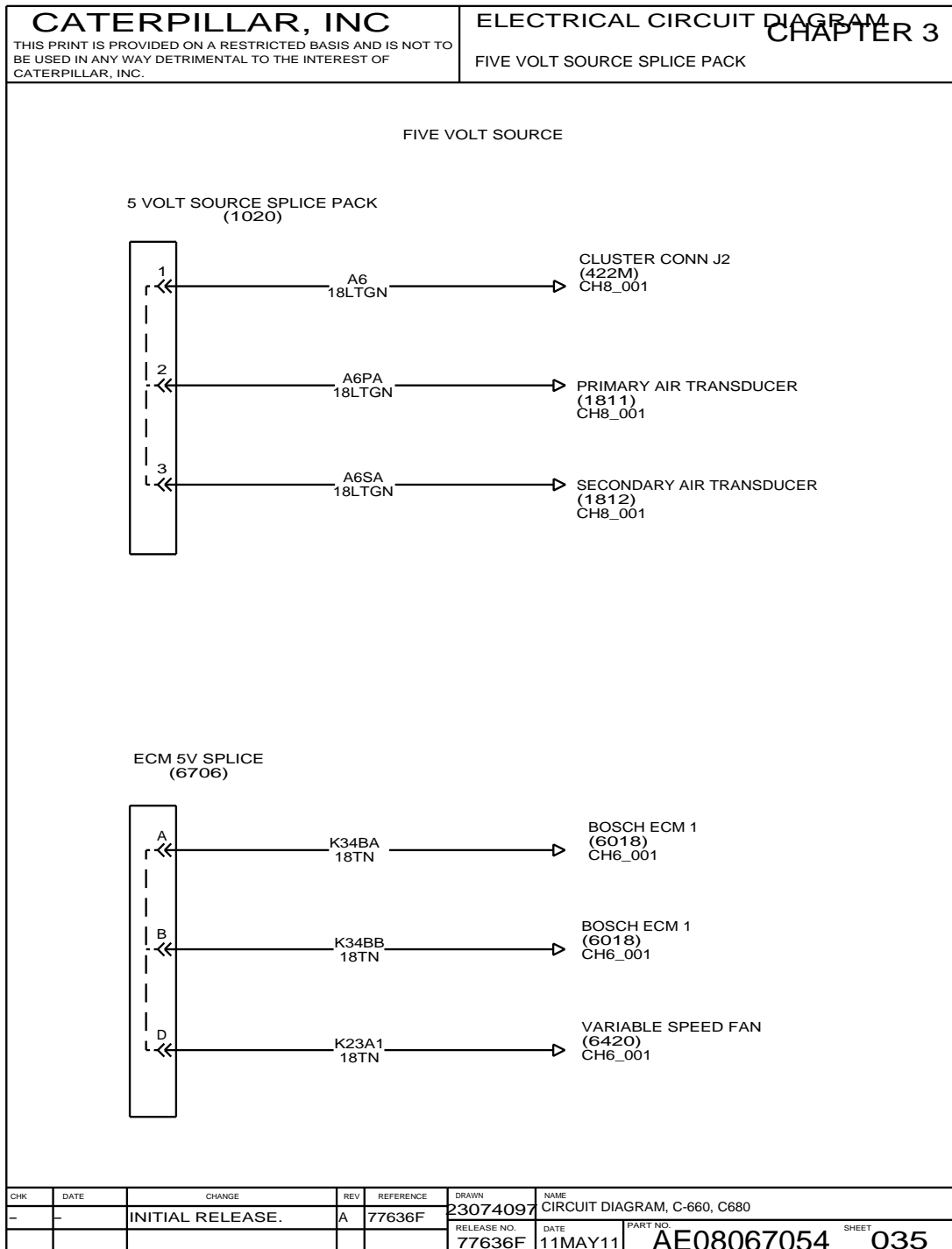
GROUND CHASSIS, P. 33



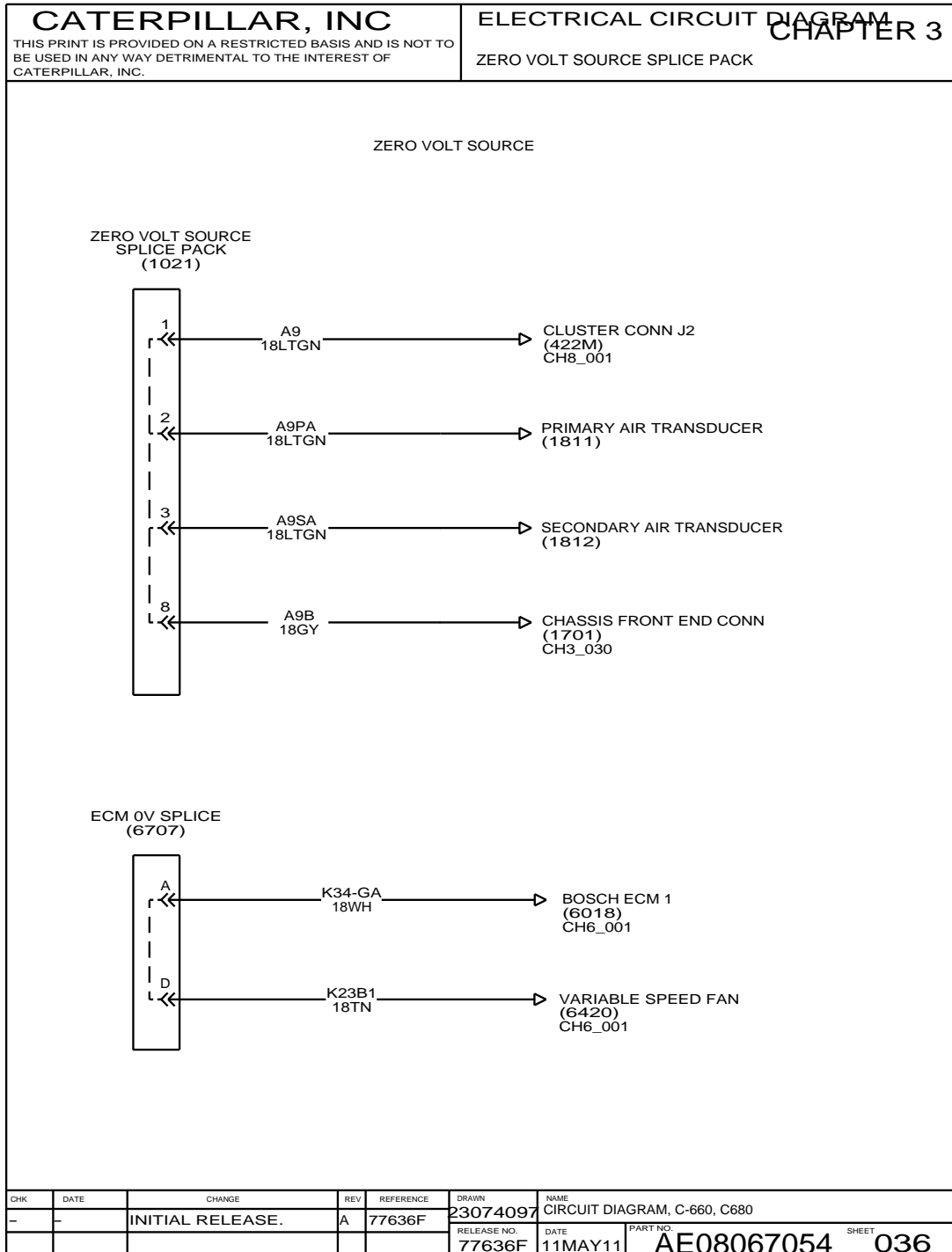
GROUND TRAILER SOCKET, P. 34



FIVE VOLT SOURCE SPLICE PACK, P. 35

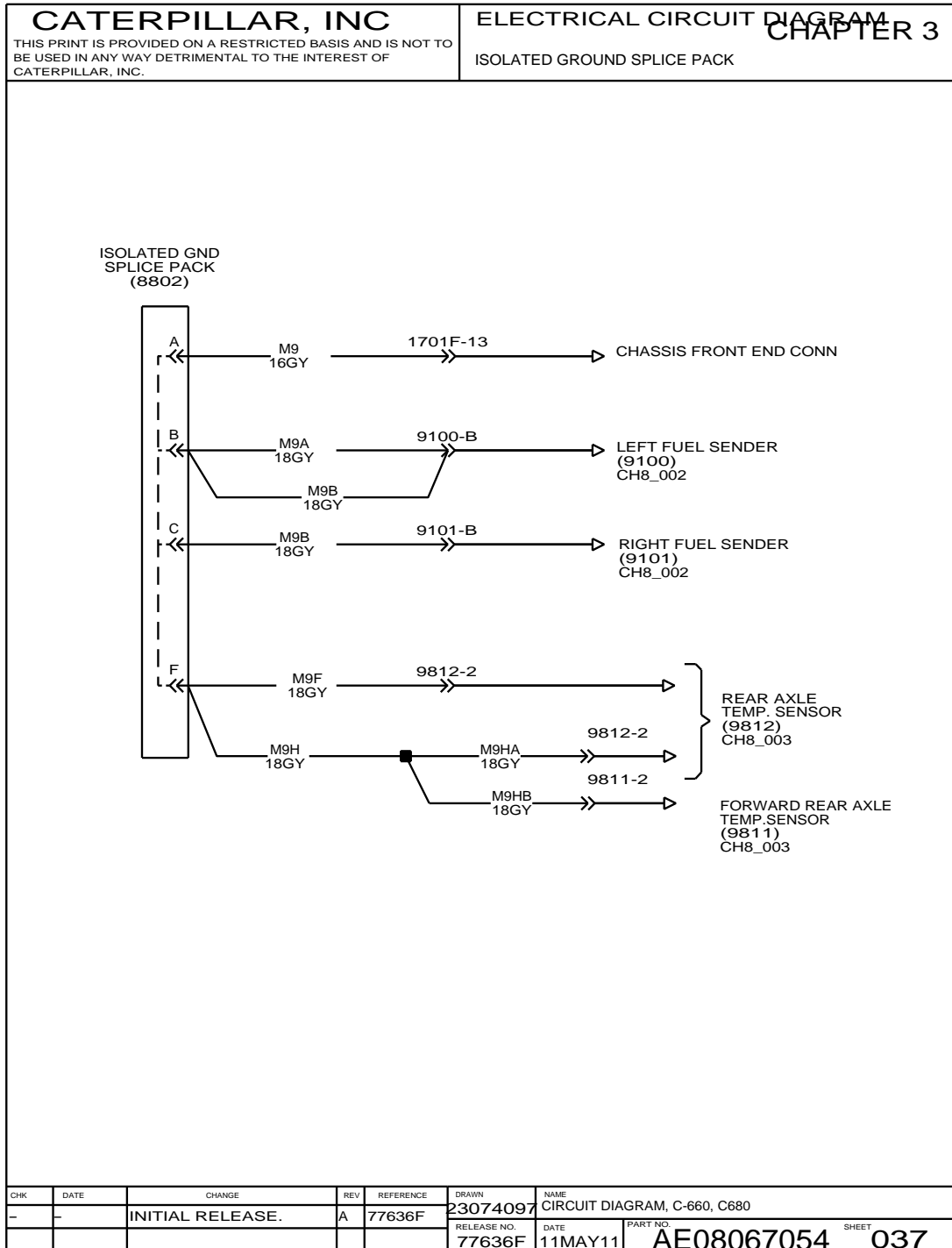


ZERO VOLT SOURCE SPLICE PACK, P. 36

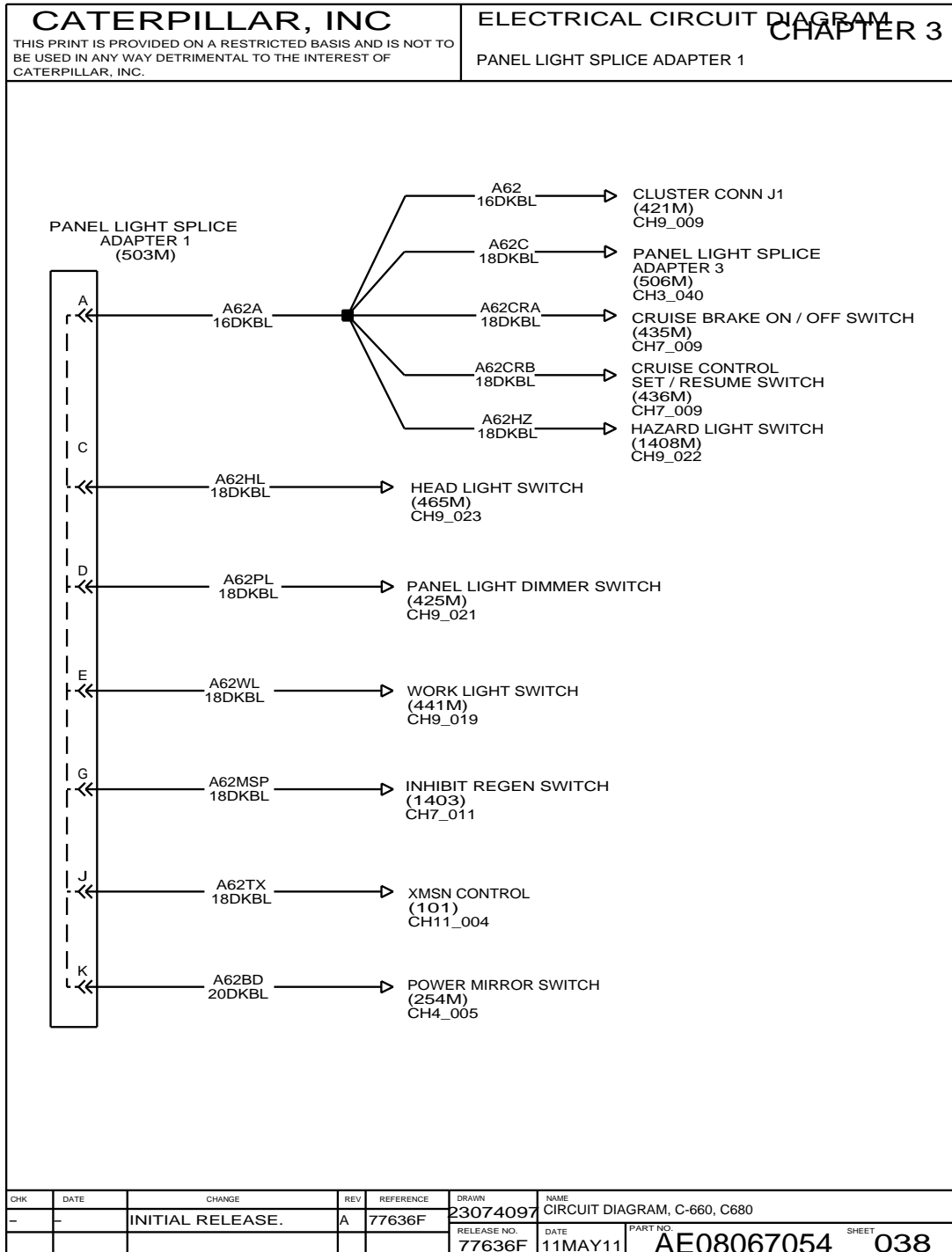




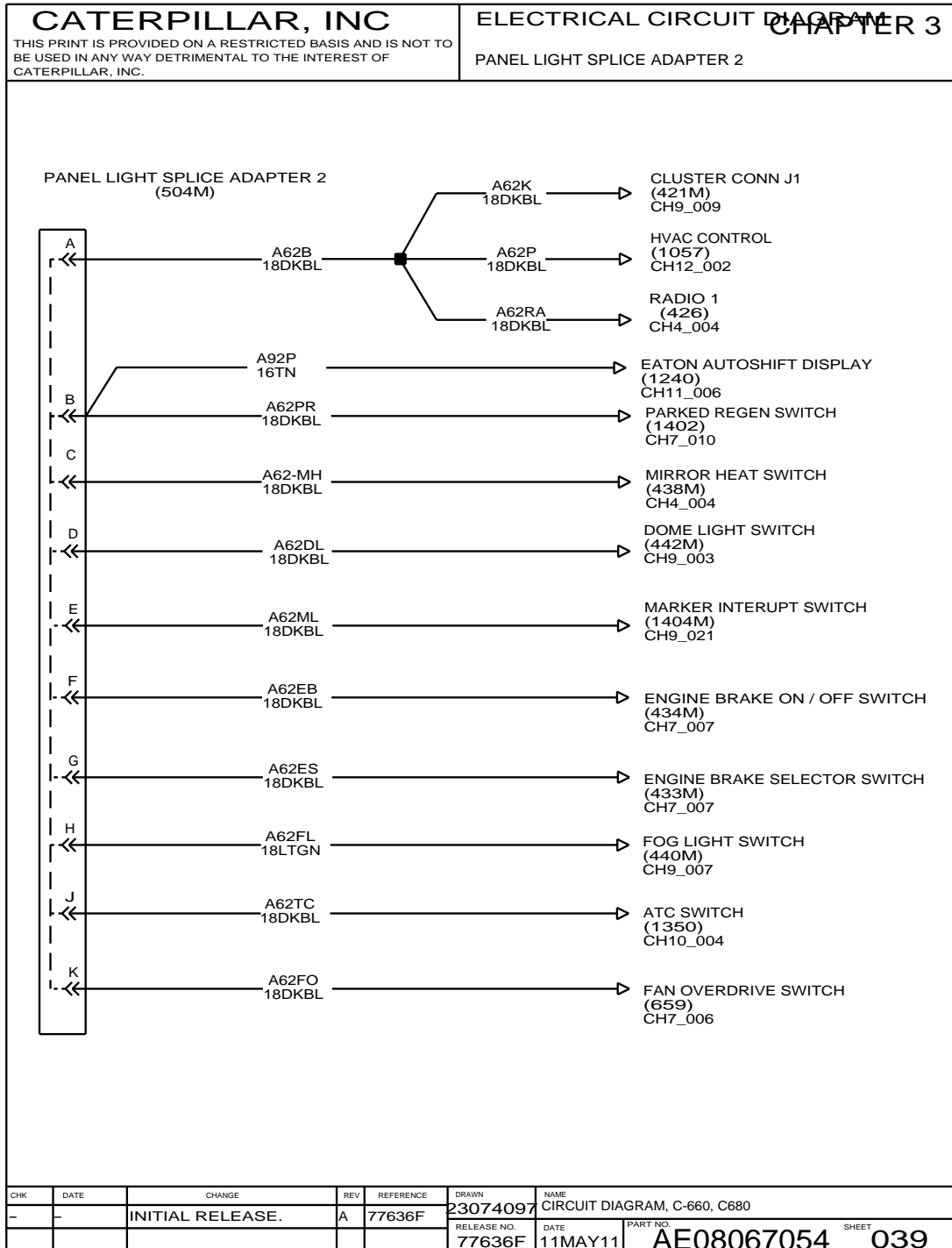
ISOLATED GROUND SPLICE PACK, P. 37



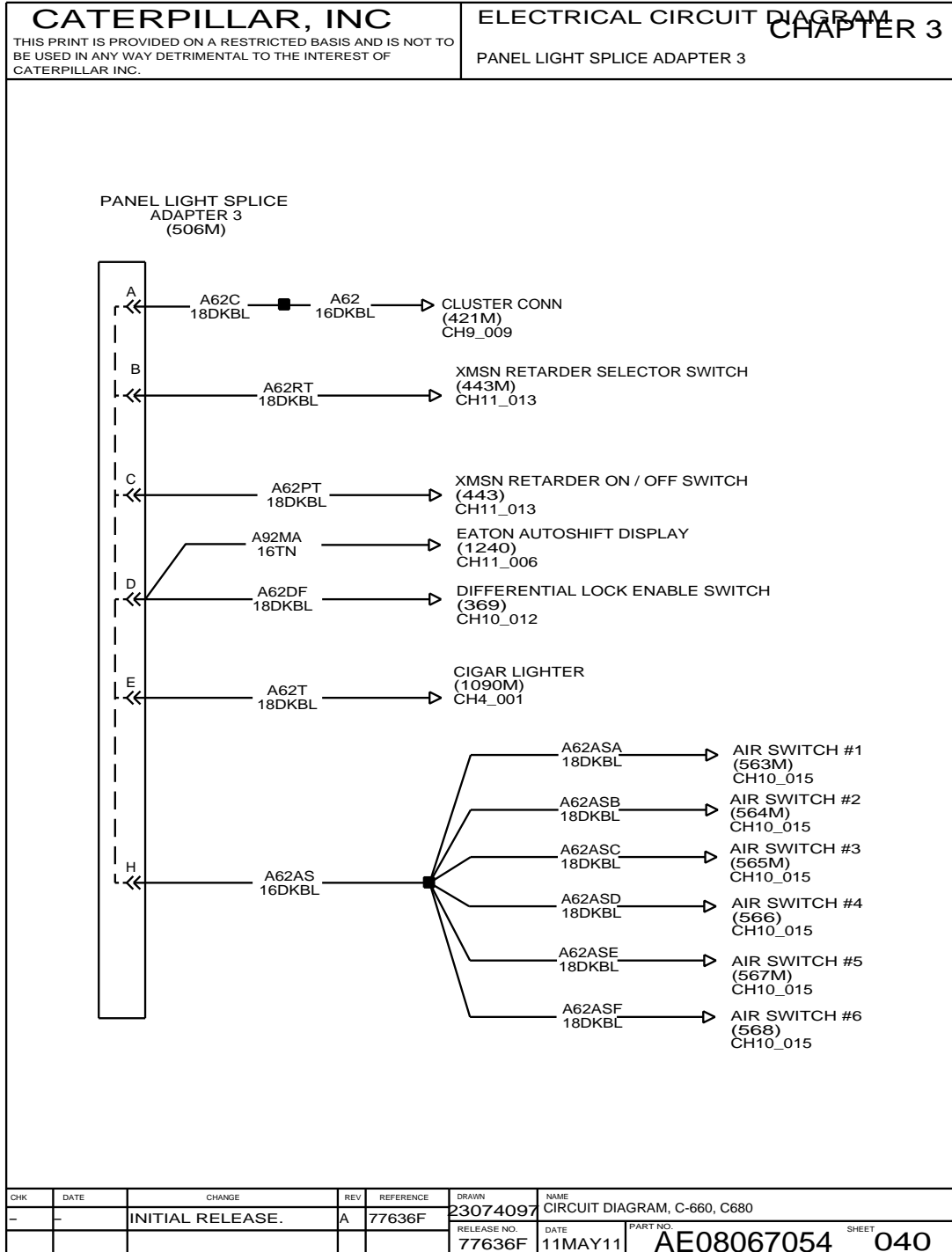
PANEL LIGHT SPLICE ADAPTER 1, P. 38



PANEL LIGHT SPLICE ADAPTER 2, P. 39

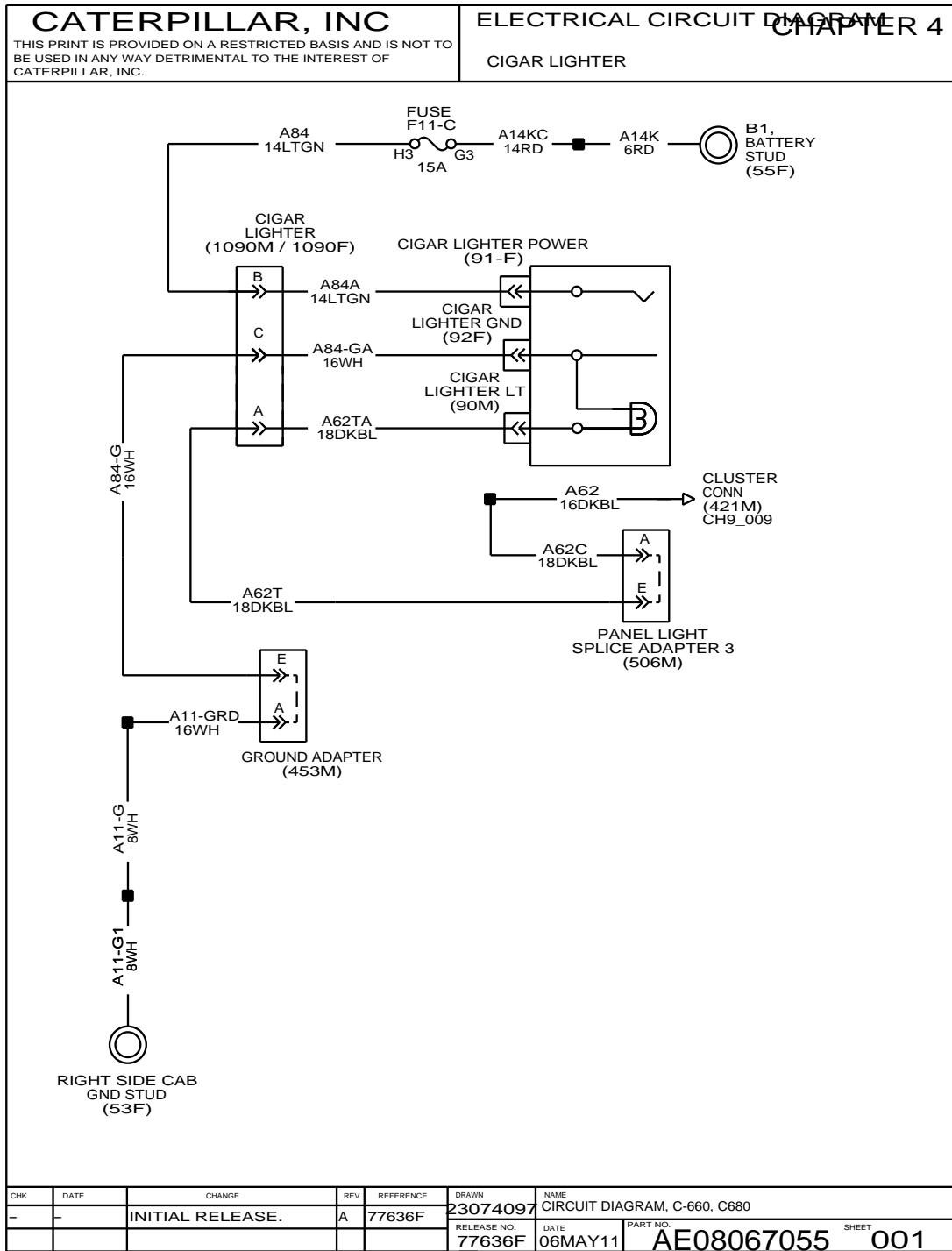


PANEL LIGHT SPLICE ADAPTER 3, P. 40



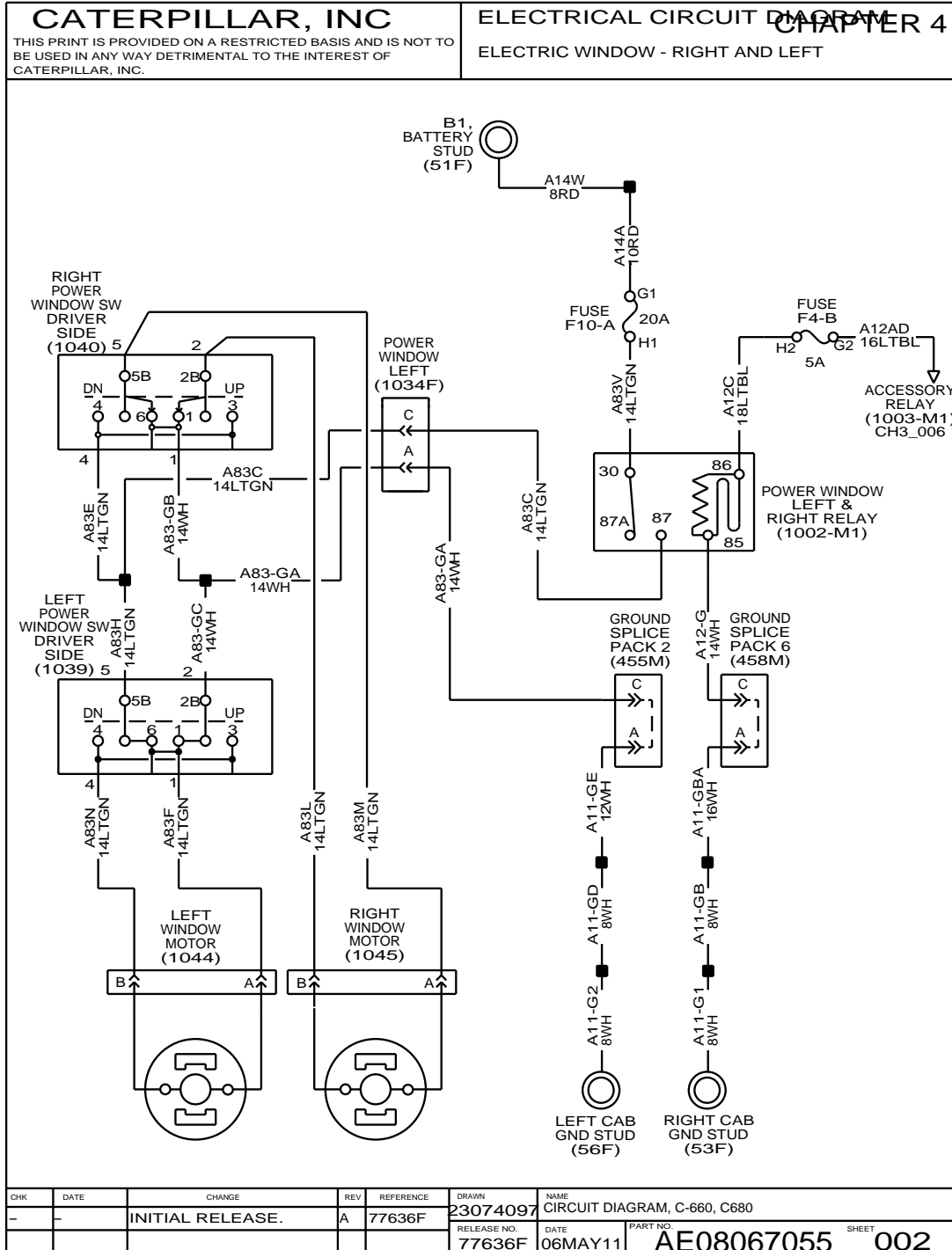
# CAB ACCESSORIES (CHAPTER 4)

## CIGAR LIGHTER, P. 1

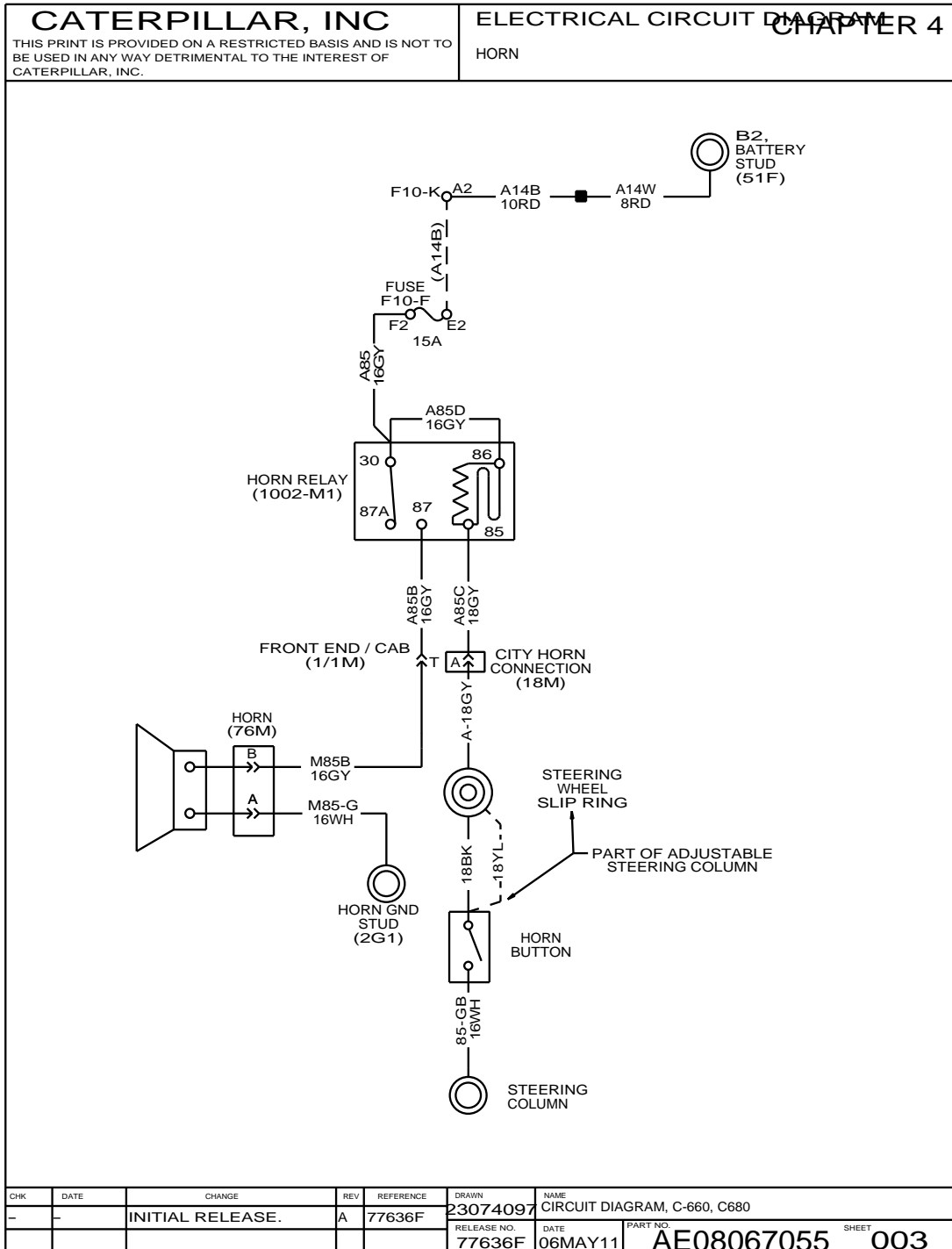


CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
-	-	INITIAL RELEASE.	A	77636F	23074097	CIRCUIT DIAGRAM, C-660, C680
					RELEASE NO. 77636F	DATE 06MAY11
						PART NO. AE08067055
						SHEET 001

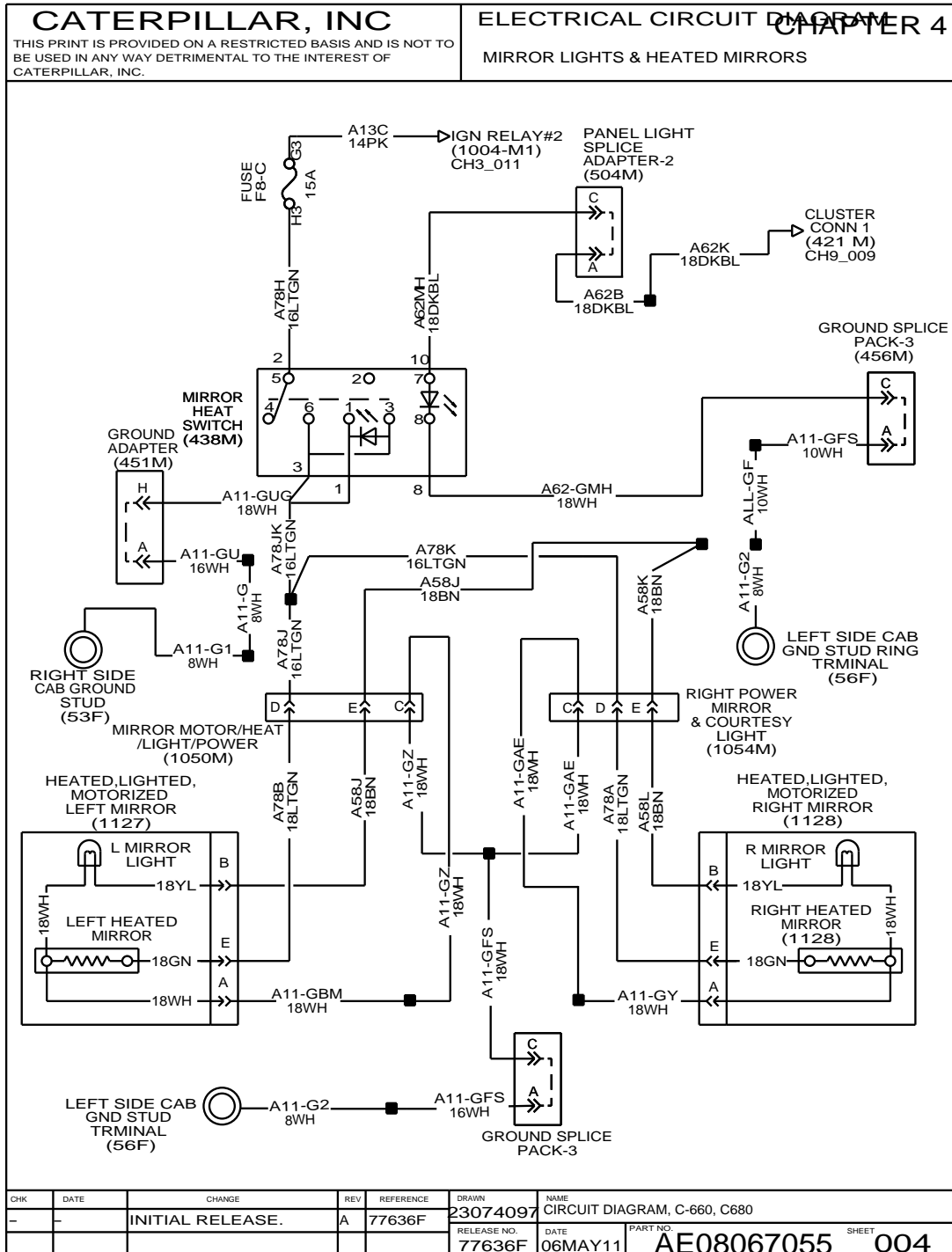
ELECTRIC WINDOW – RIGHT AND LEFT, P. 2



HORN, P. 3

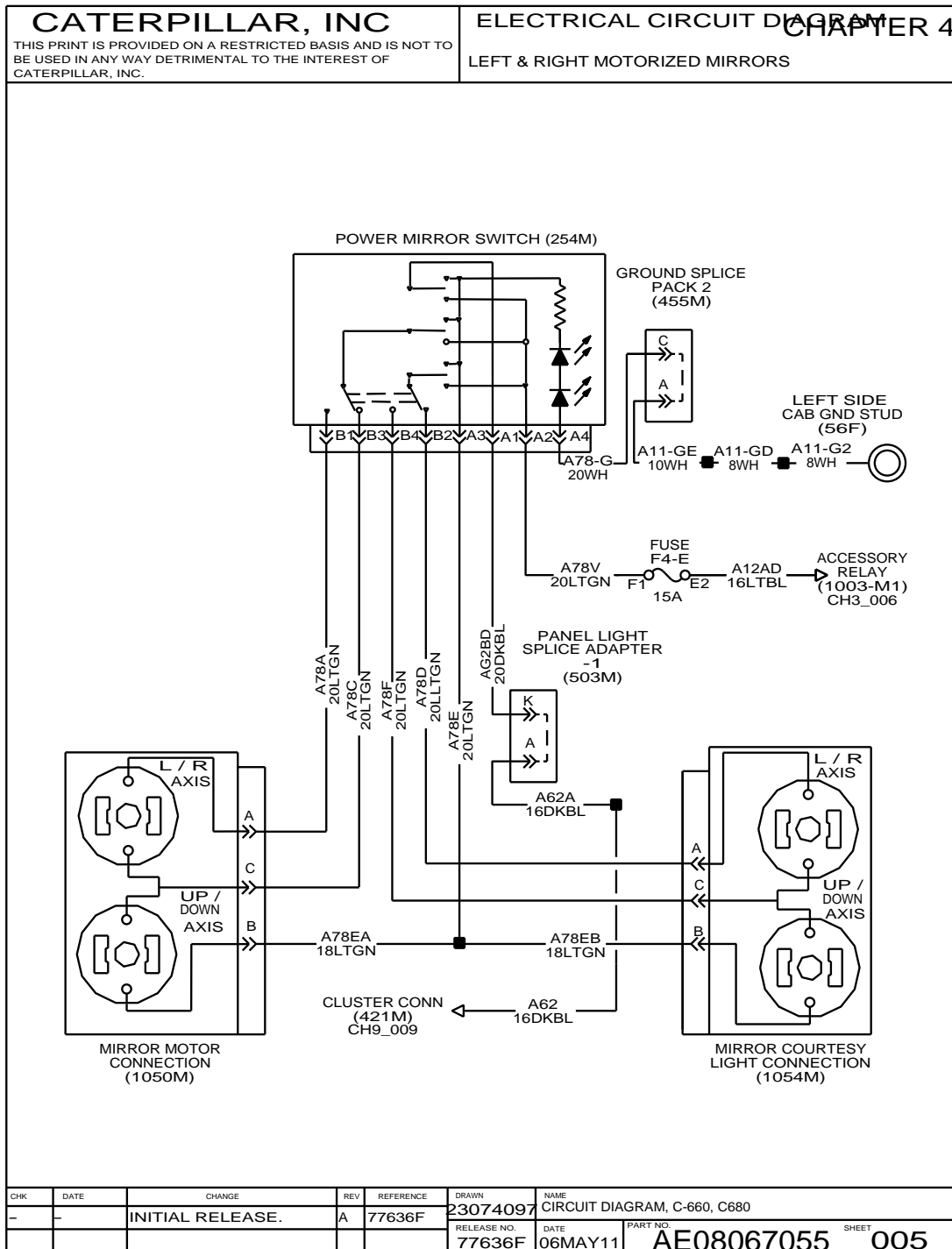


MIRROR LIGHTS AND HEATED MIRRORS, P. 4

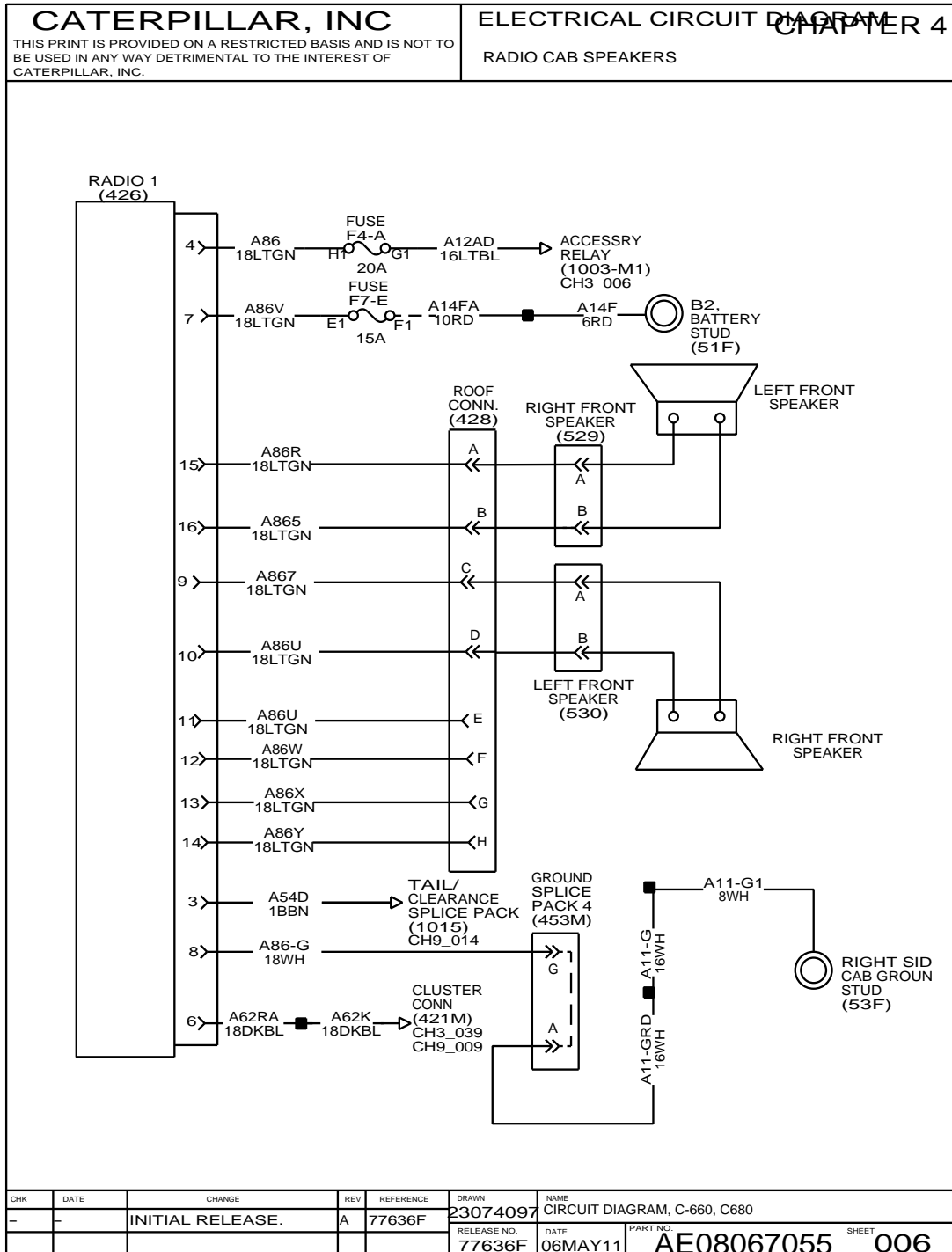




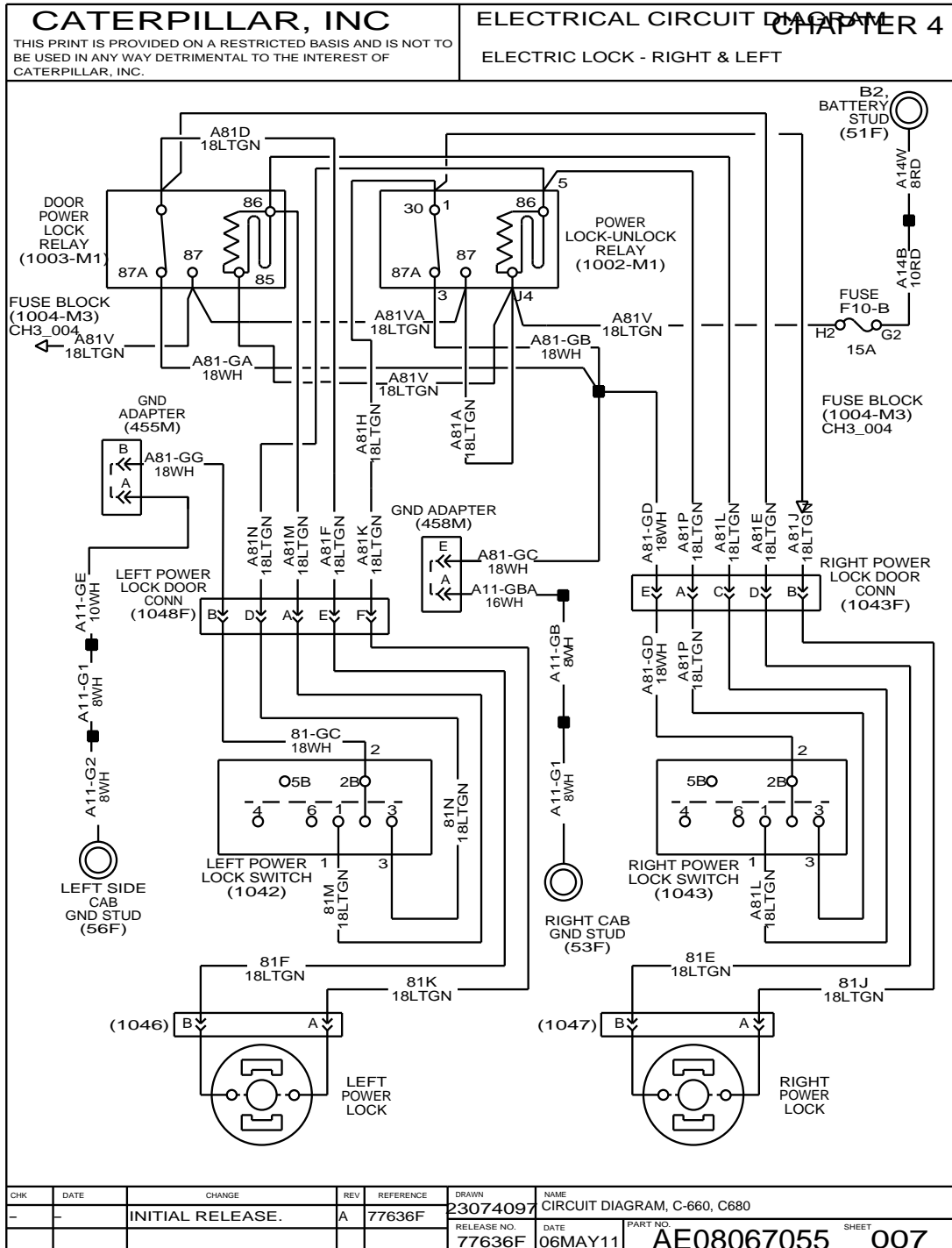
LEFT AND RIGHT MOTORIZED MIRRORS, P. 5



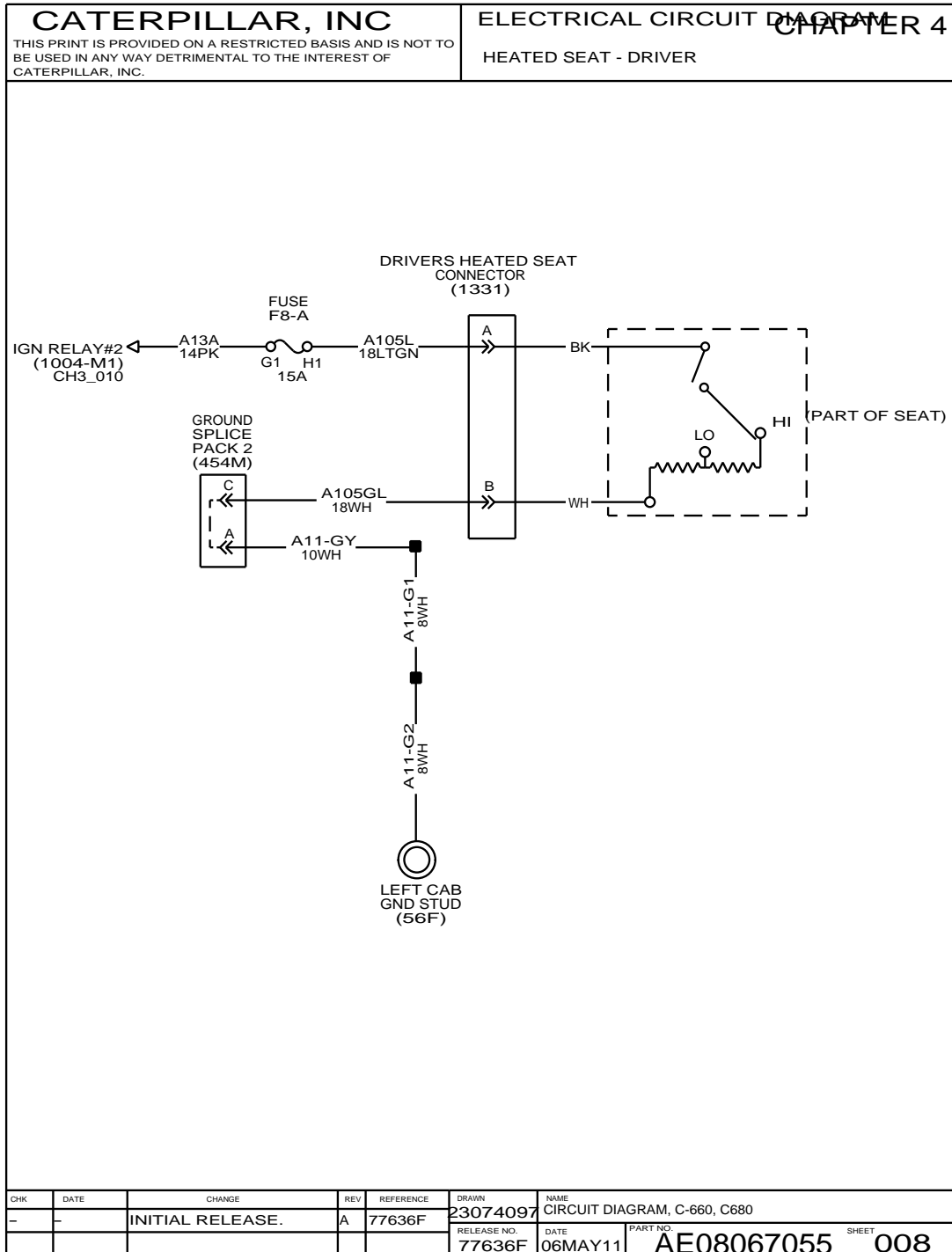
RADIO CAB SPEAKERS, P. 6



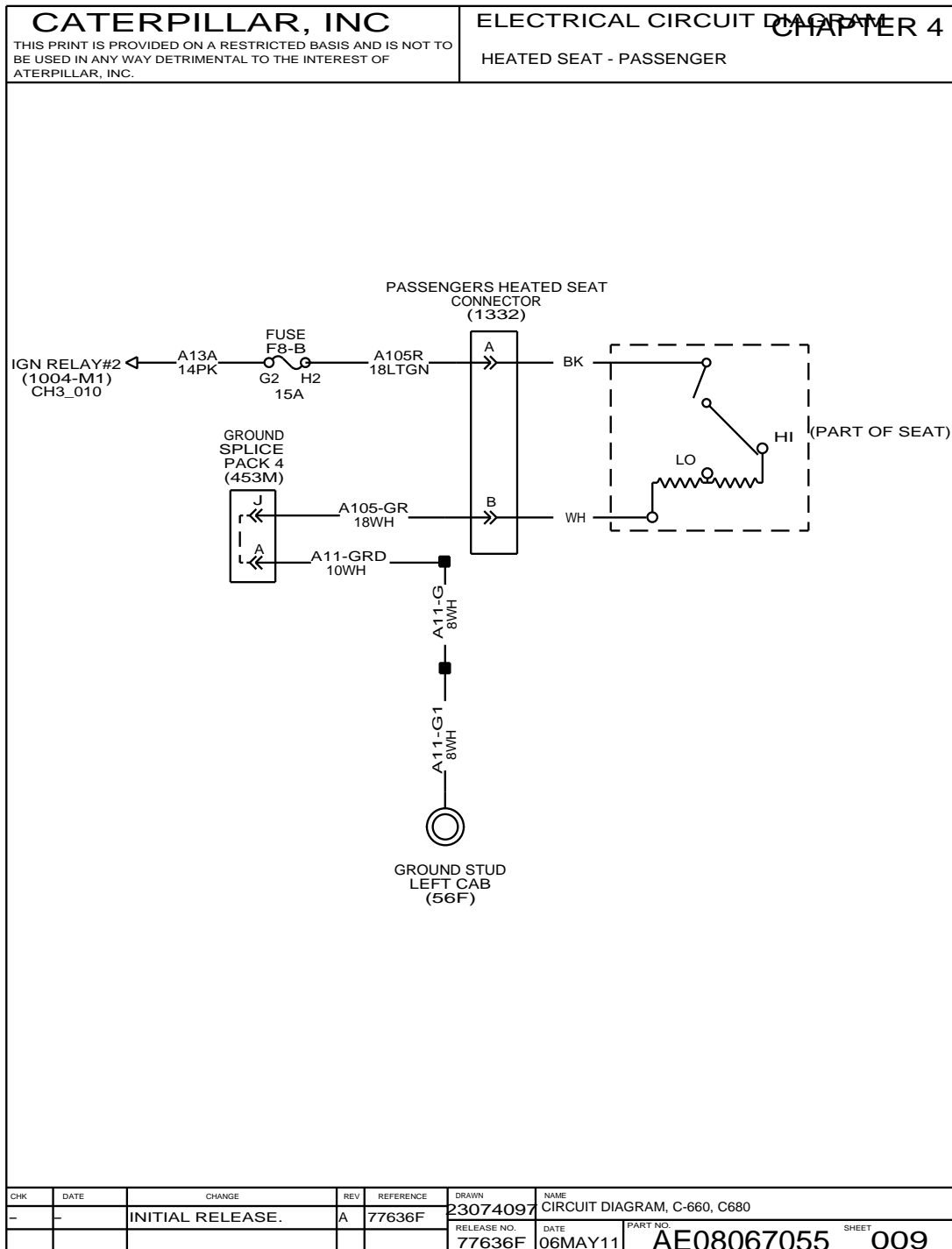
ELECTRIC LOCK – RIGHT AND LEFT, P. 7



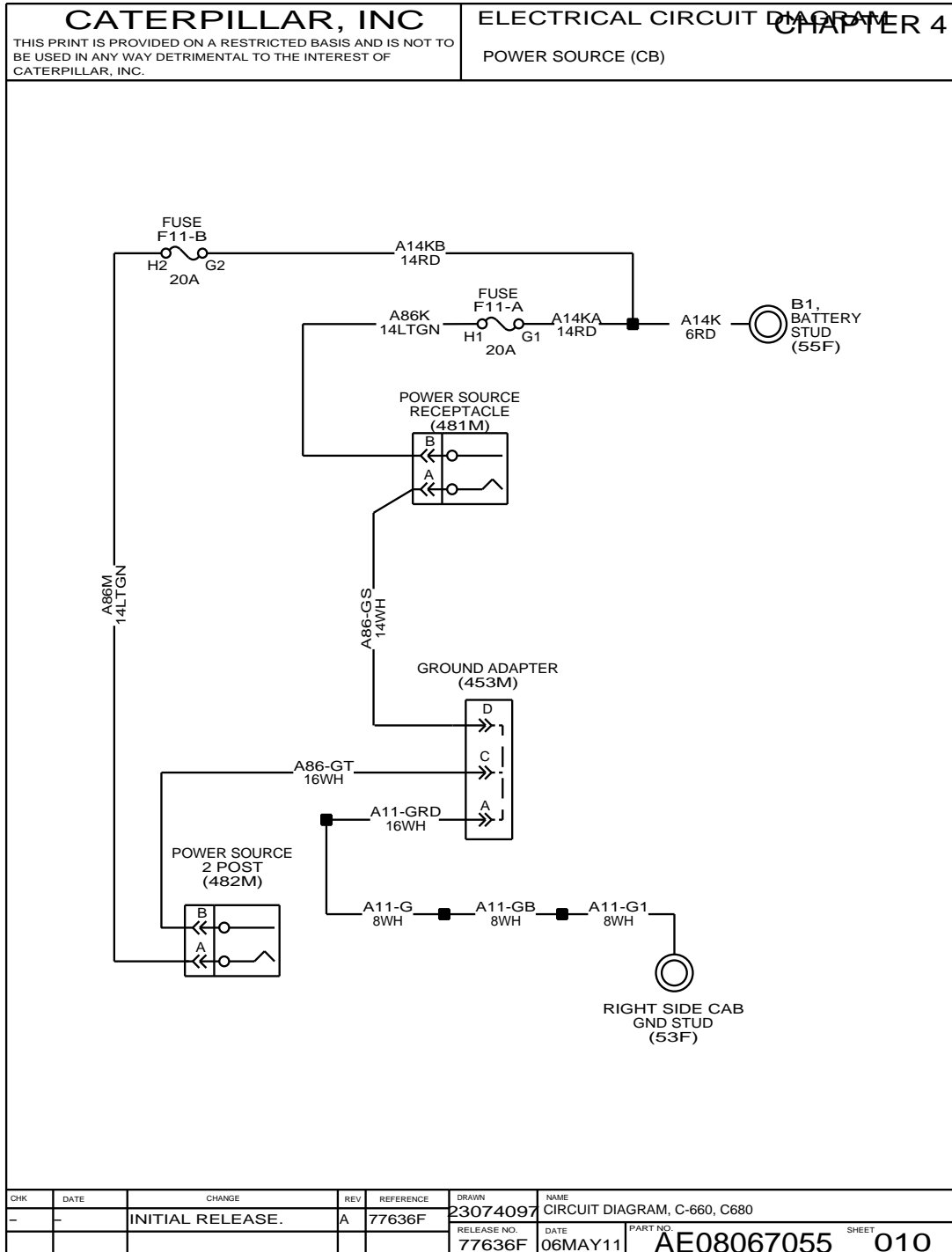
HEATED SEAT – DRIVER, P. 8



HEATED SEAT – PASSENGER, P. 9

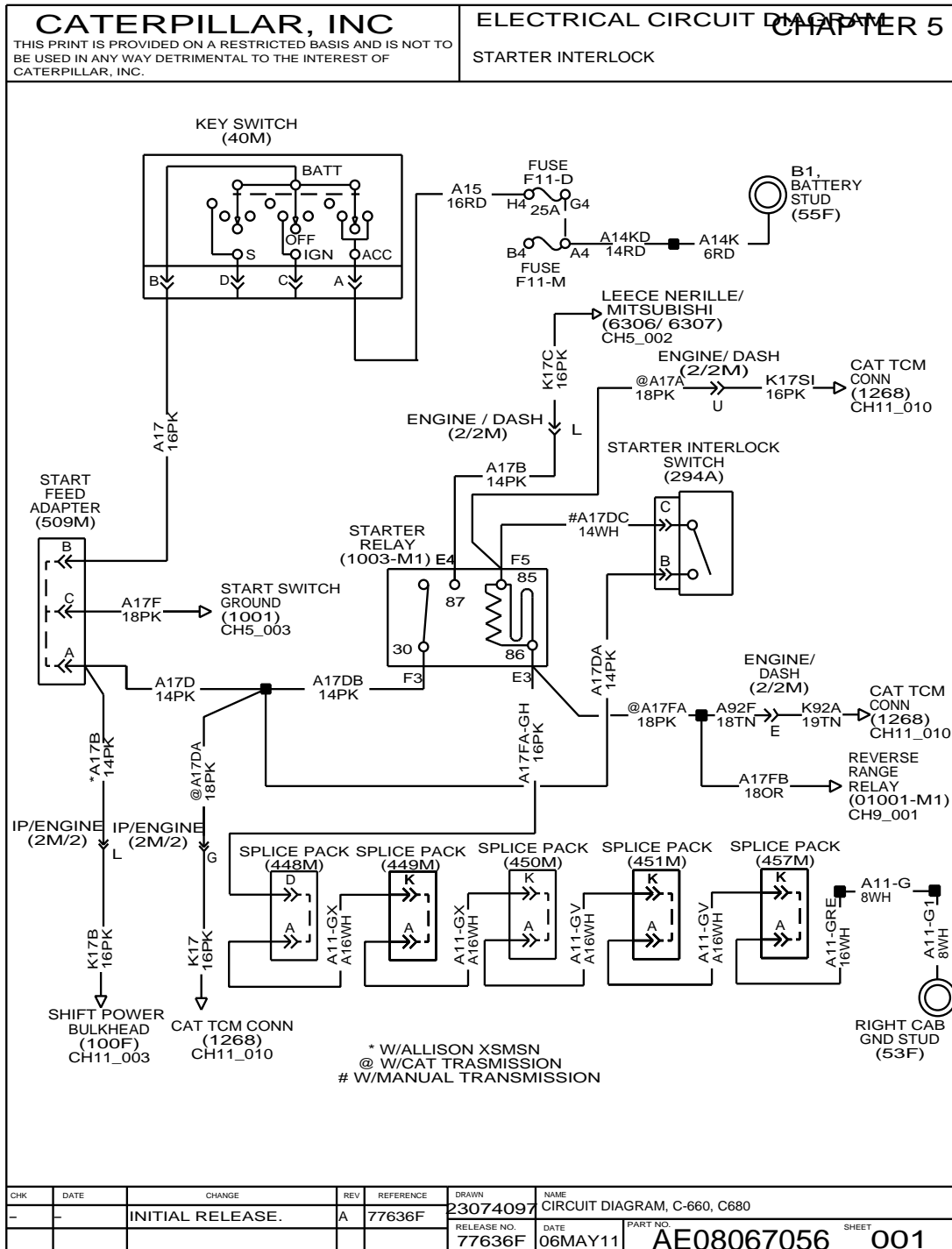


POWER SOURCE (CB), P. 10

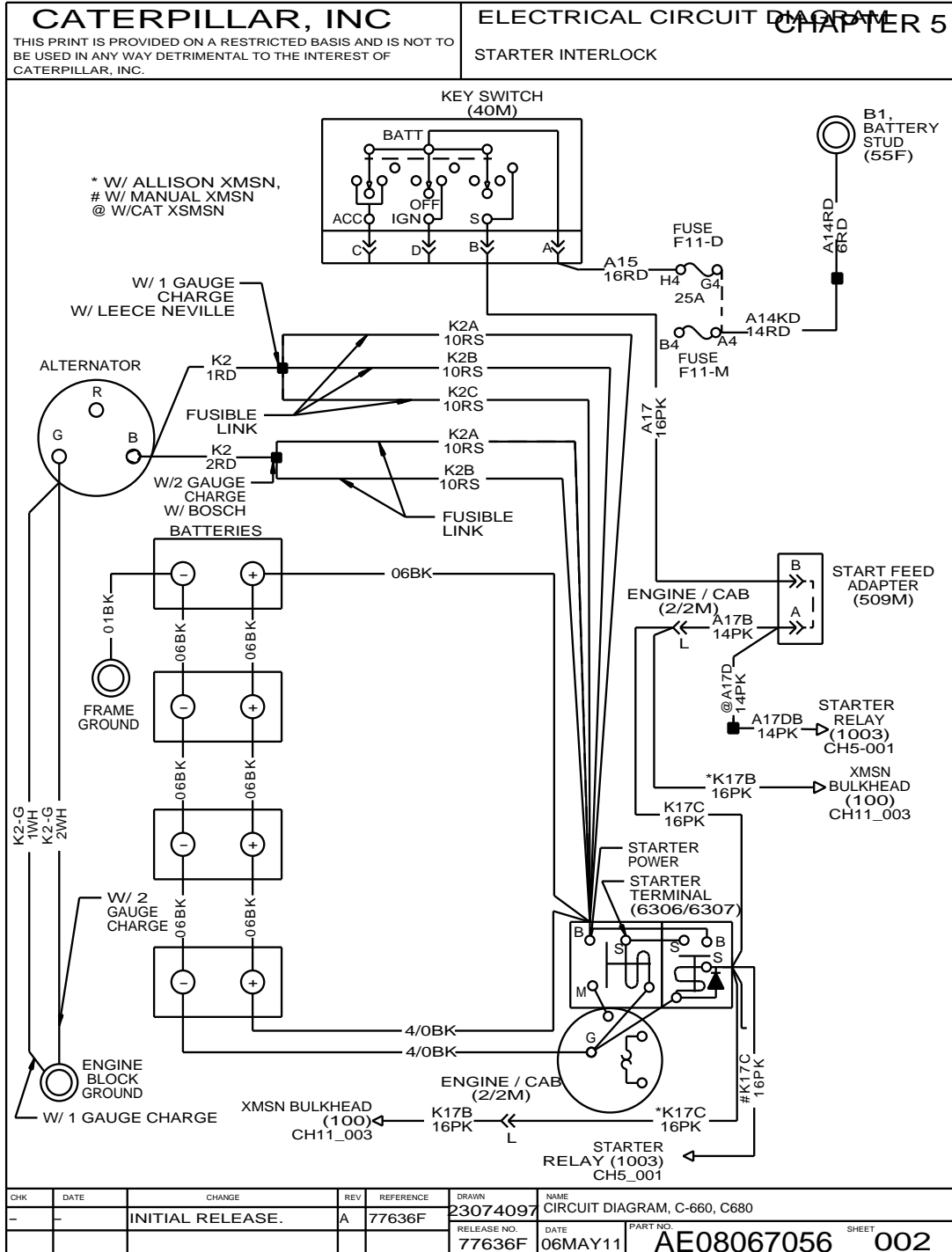


# CHARGING AND CRANKING (CHAPTER 5)

## STARTER INTERLOCK, P. 1

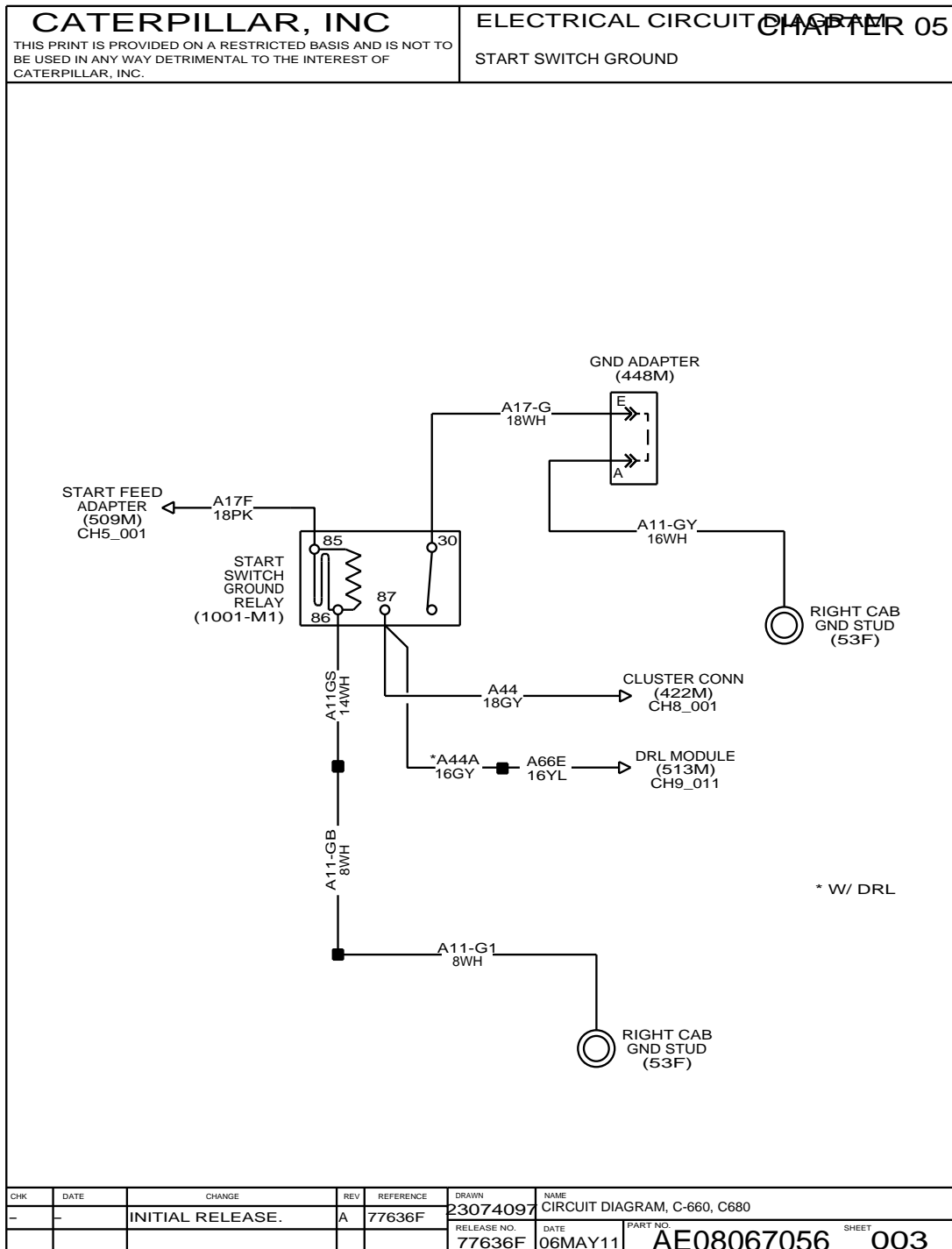


STARTER INTERLOCK, P. 2



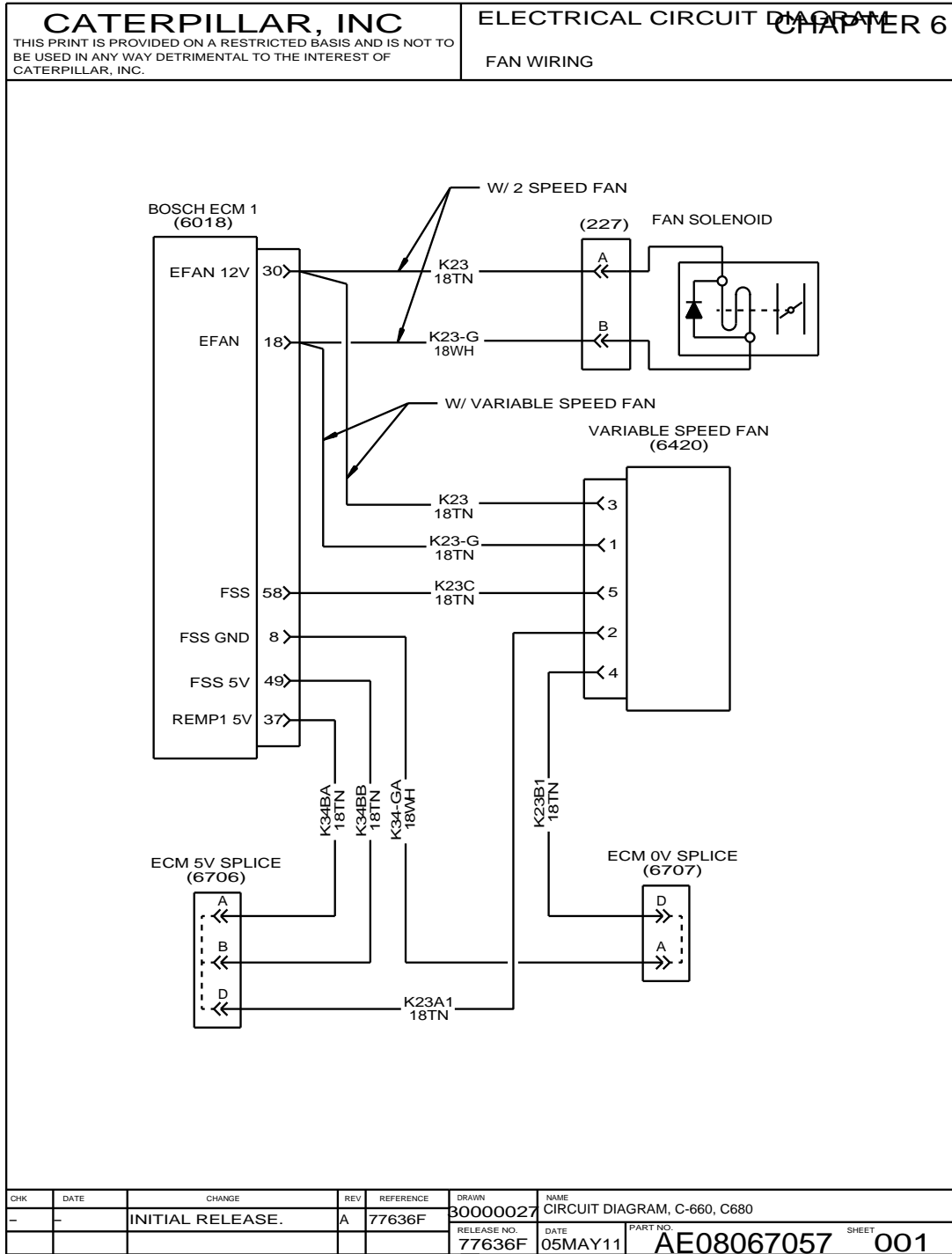


STARTER SWITCH GROUND, P. 3

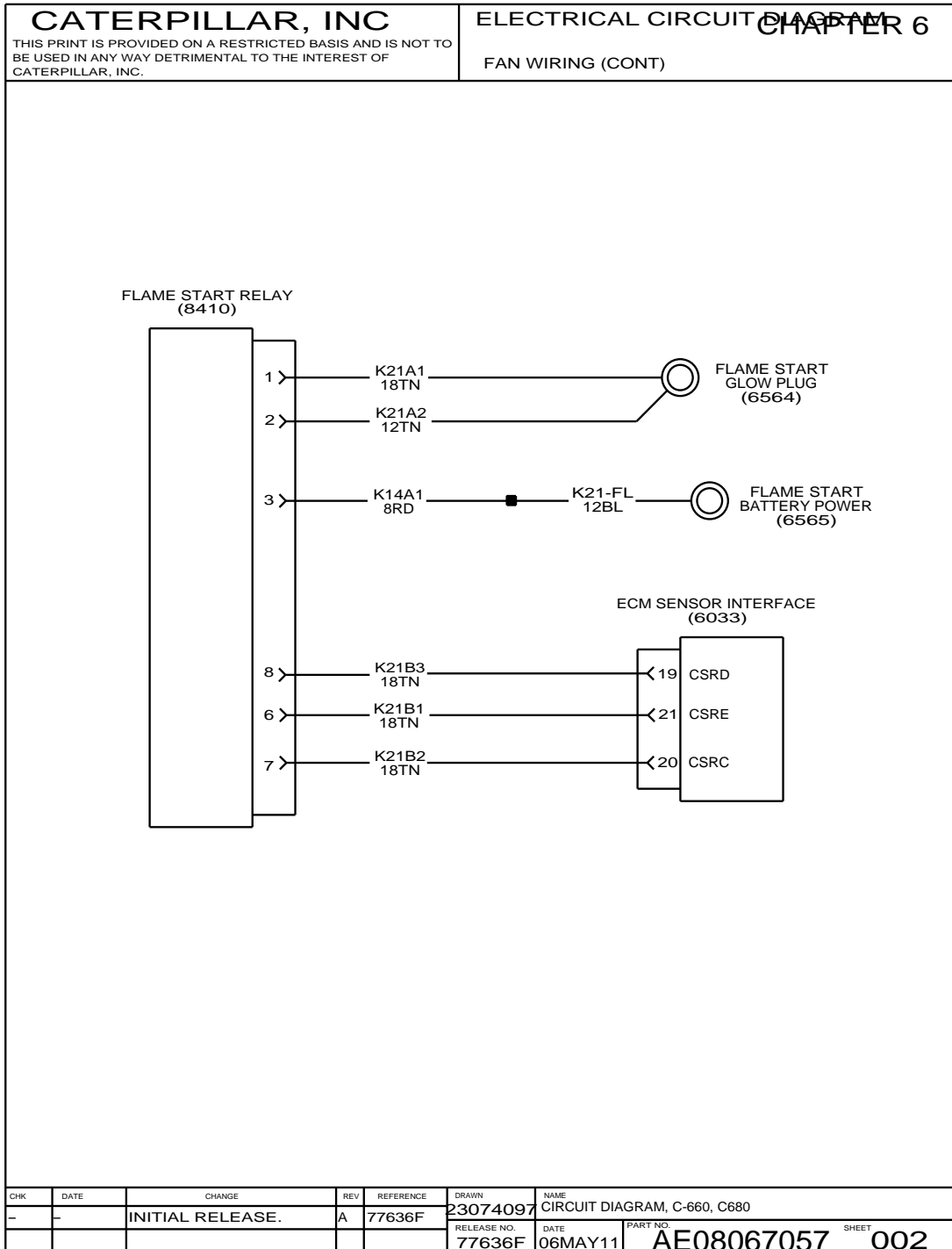


# FAN WIRING (CHAPTER 6)

## FAN WIRING, P. 1

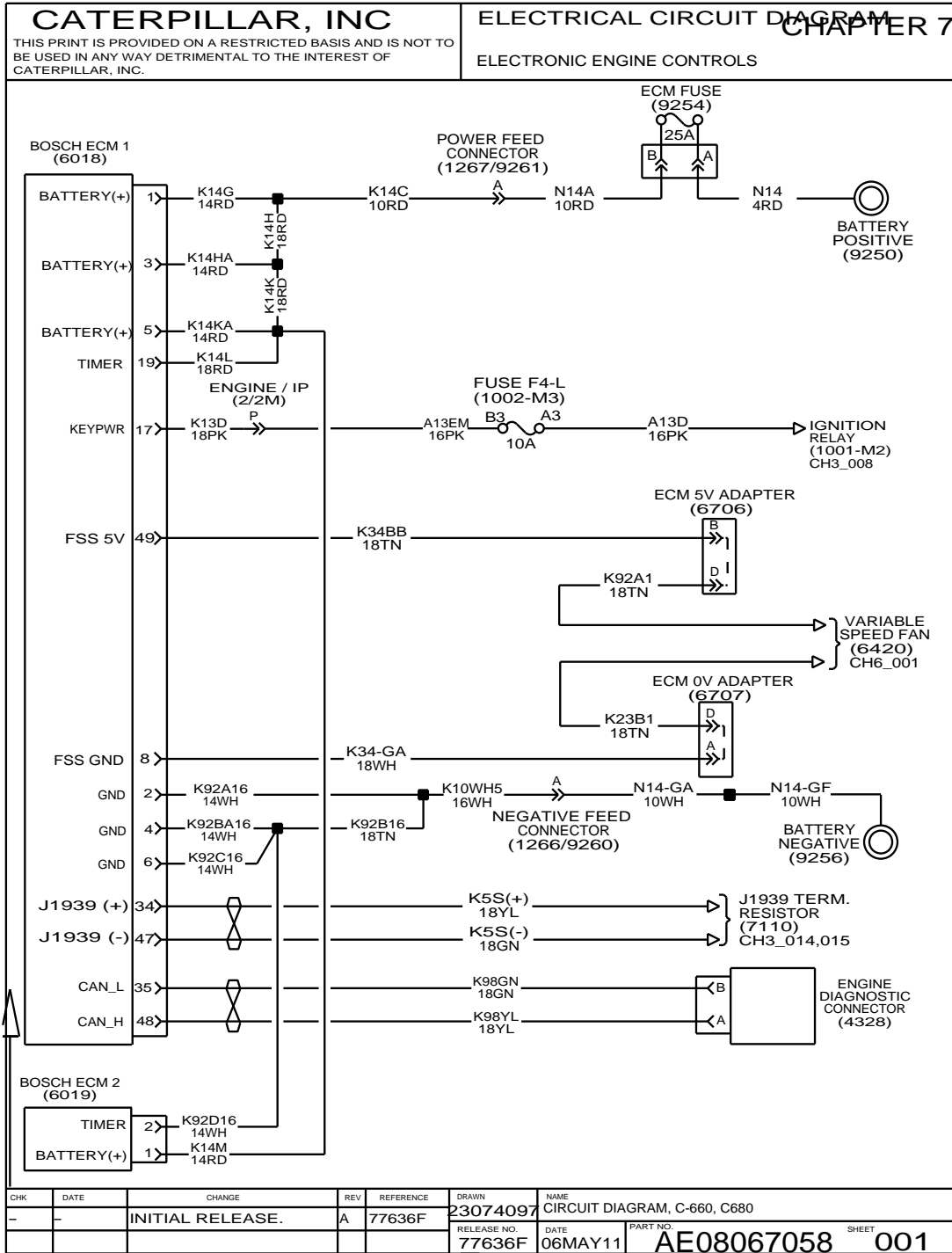


FAN WIRING, P. 2

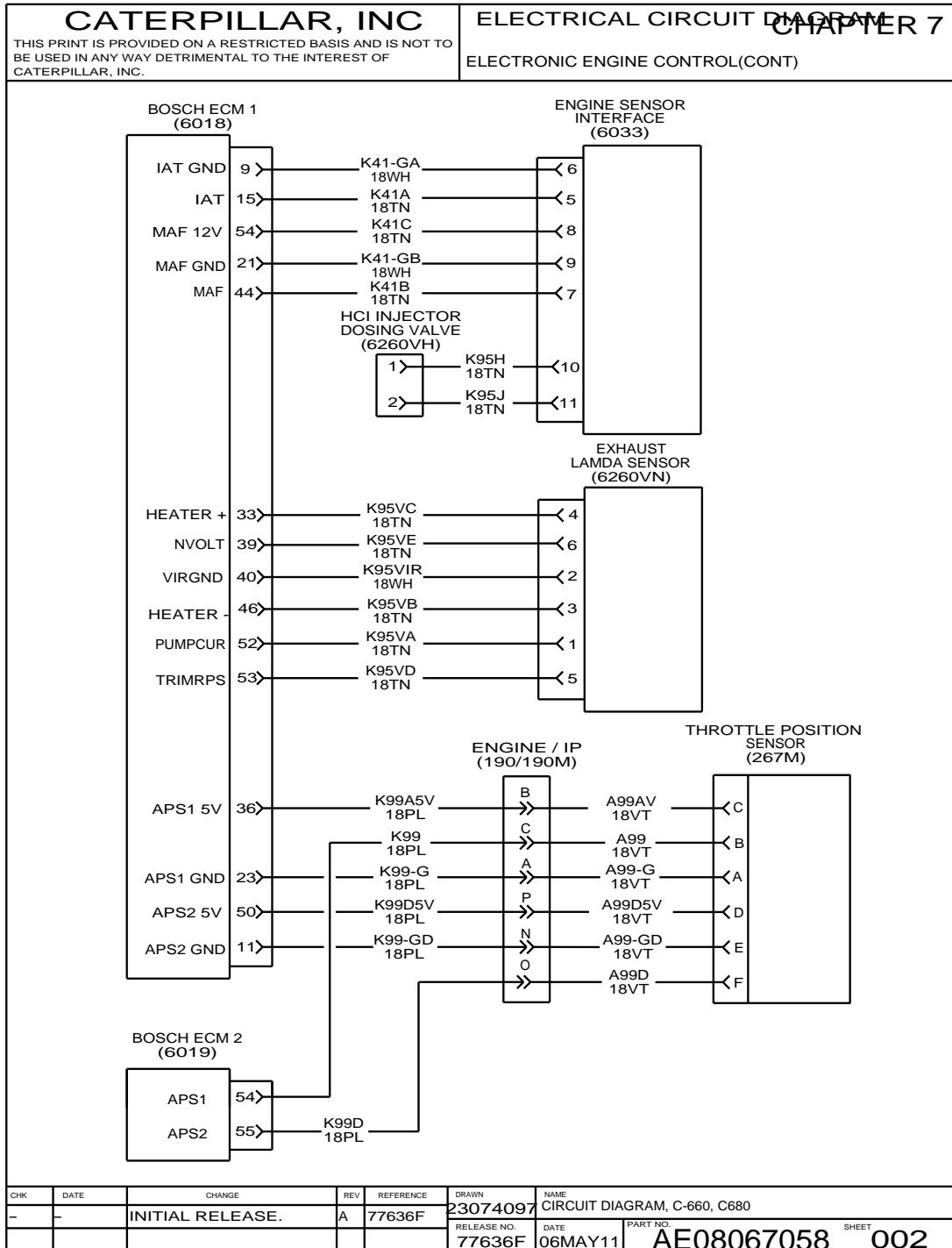


# ENGINE SYSTEM (CHAPTER 7)

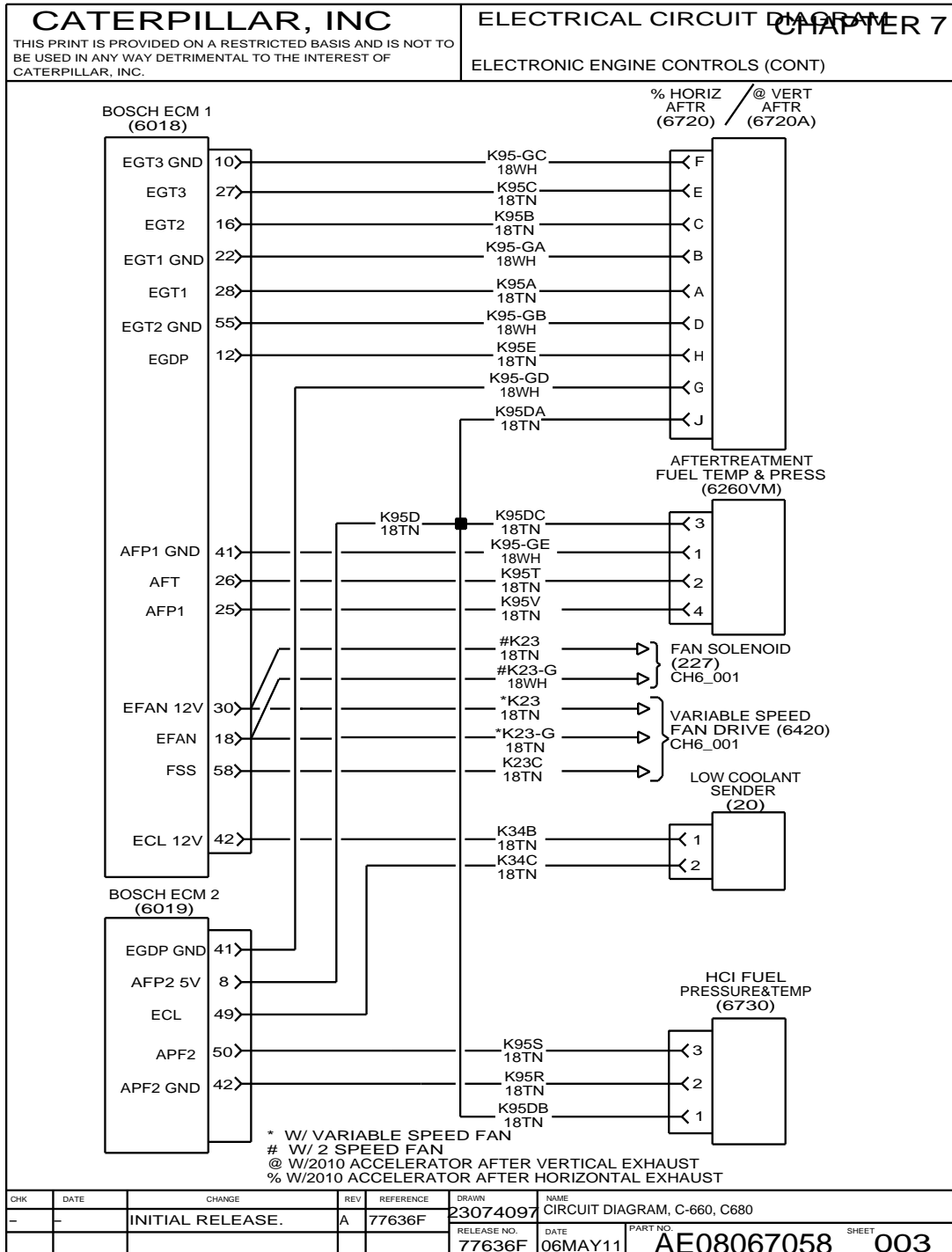
## ELECTRONIC ENGINE CONTROLS, P. 1



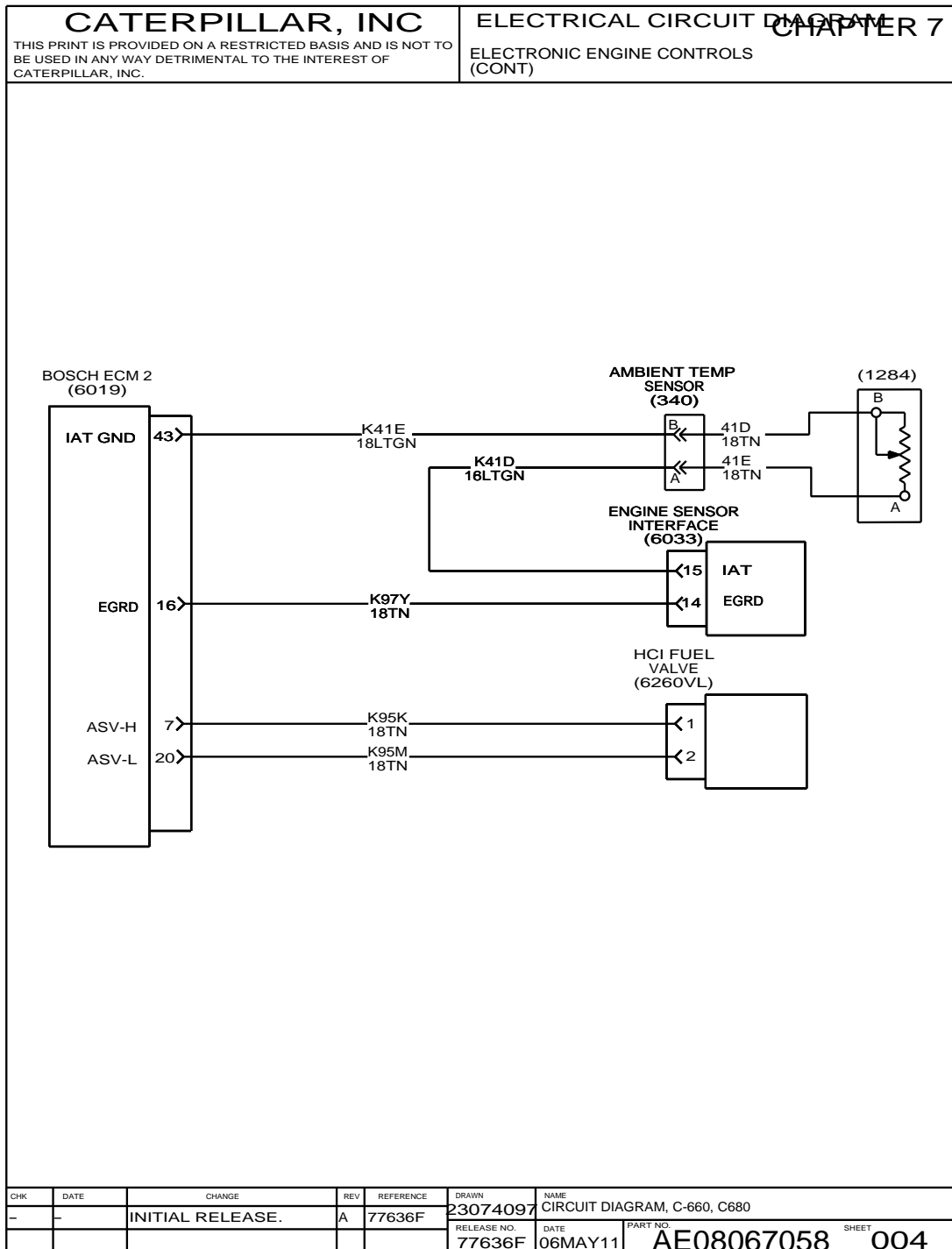
ELECTRONIC ENGINE CONTROLS, P. 2



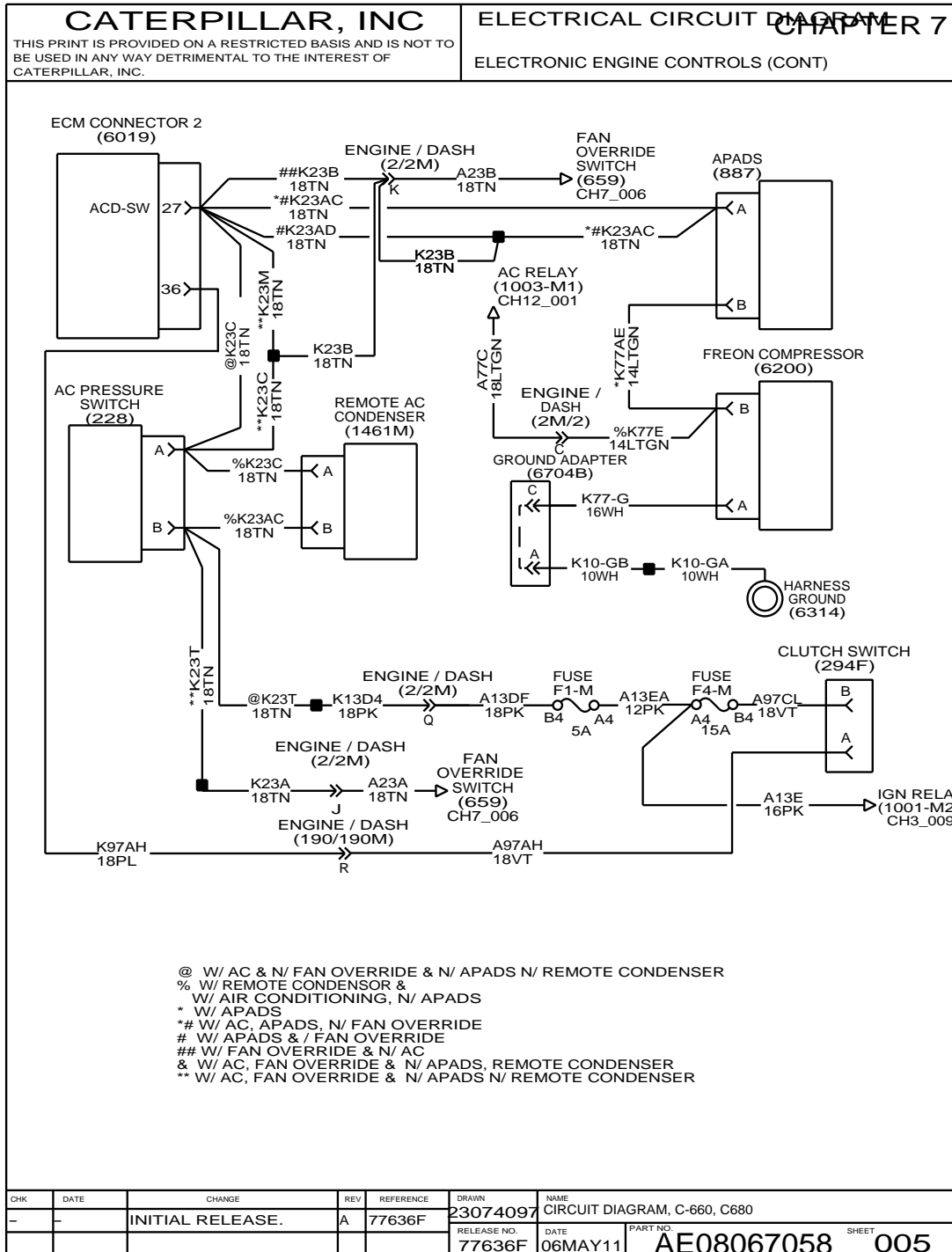
ELECTRONIC ENGINE CONTROLS, P. 3



ELECTRONIC ENGINE CONTROLS, P. 4

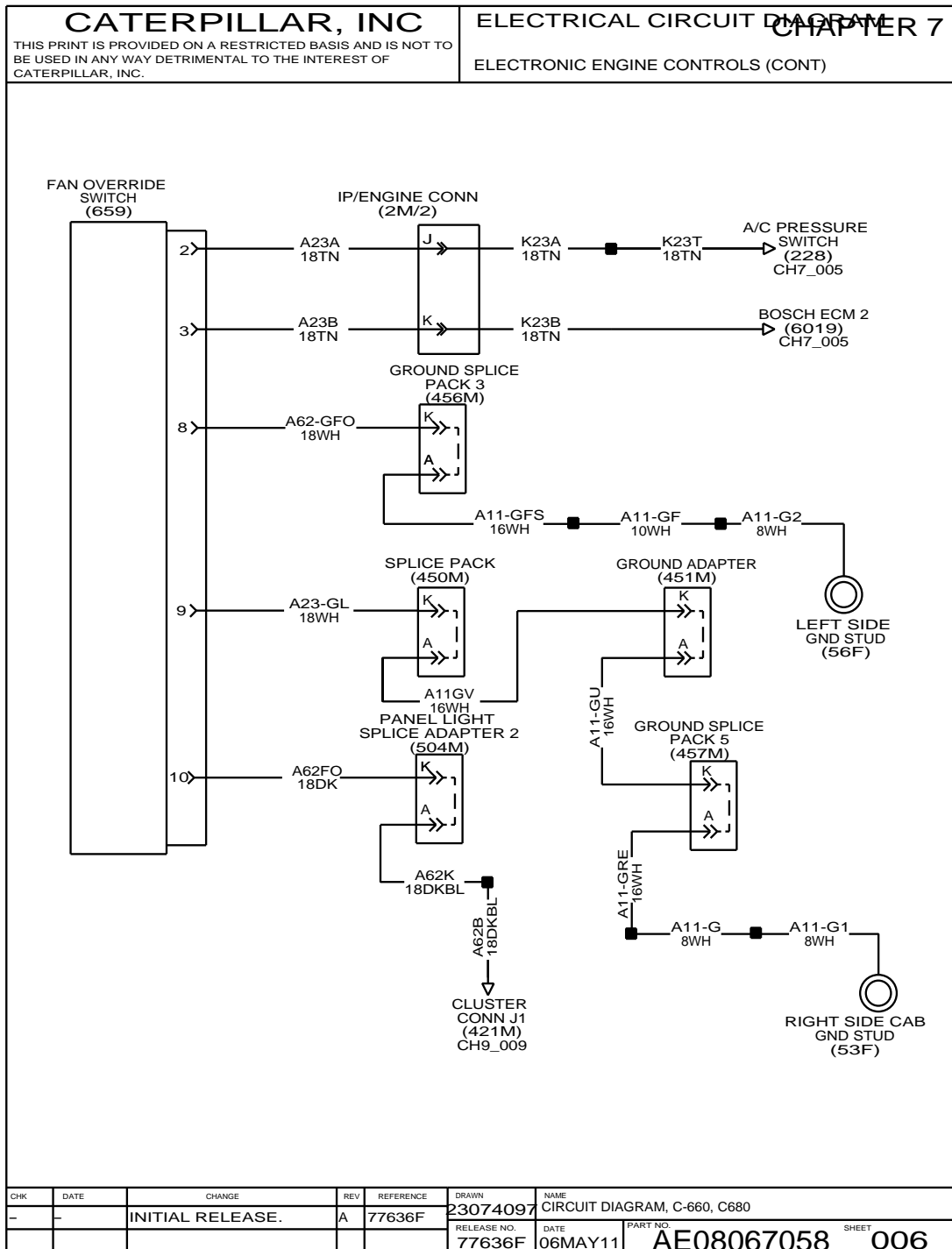


ELECTRONIC ENGINE CONTROLS, P. 5

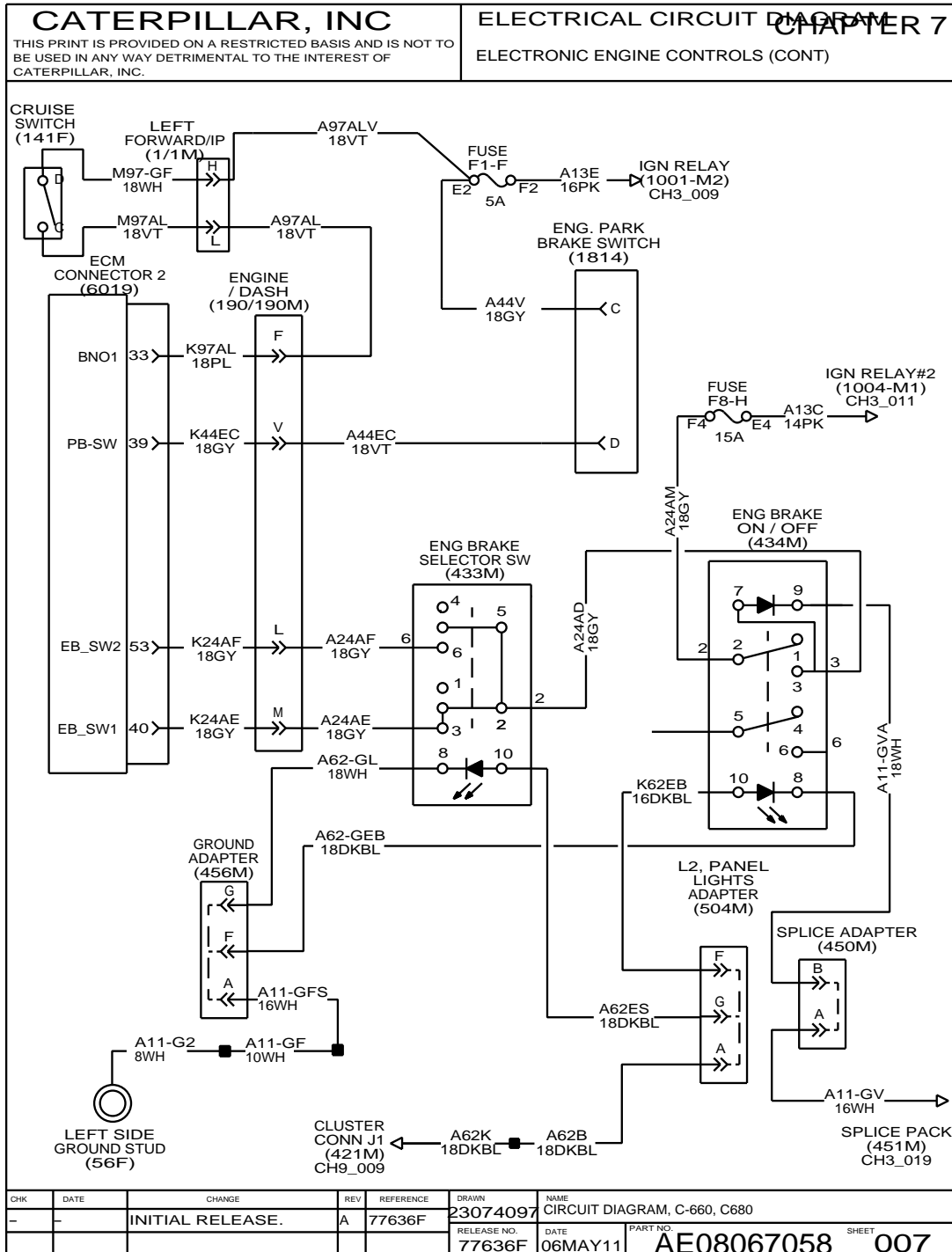




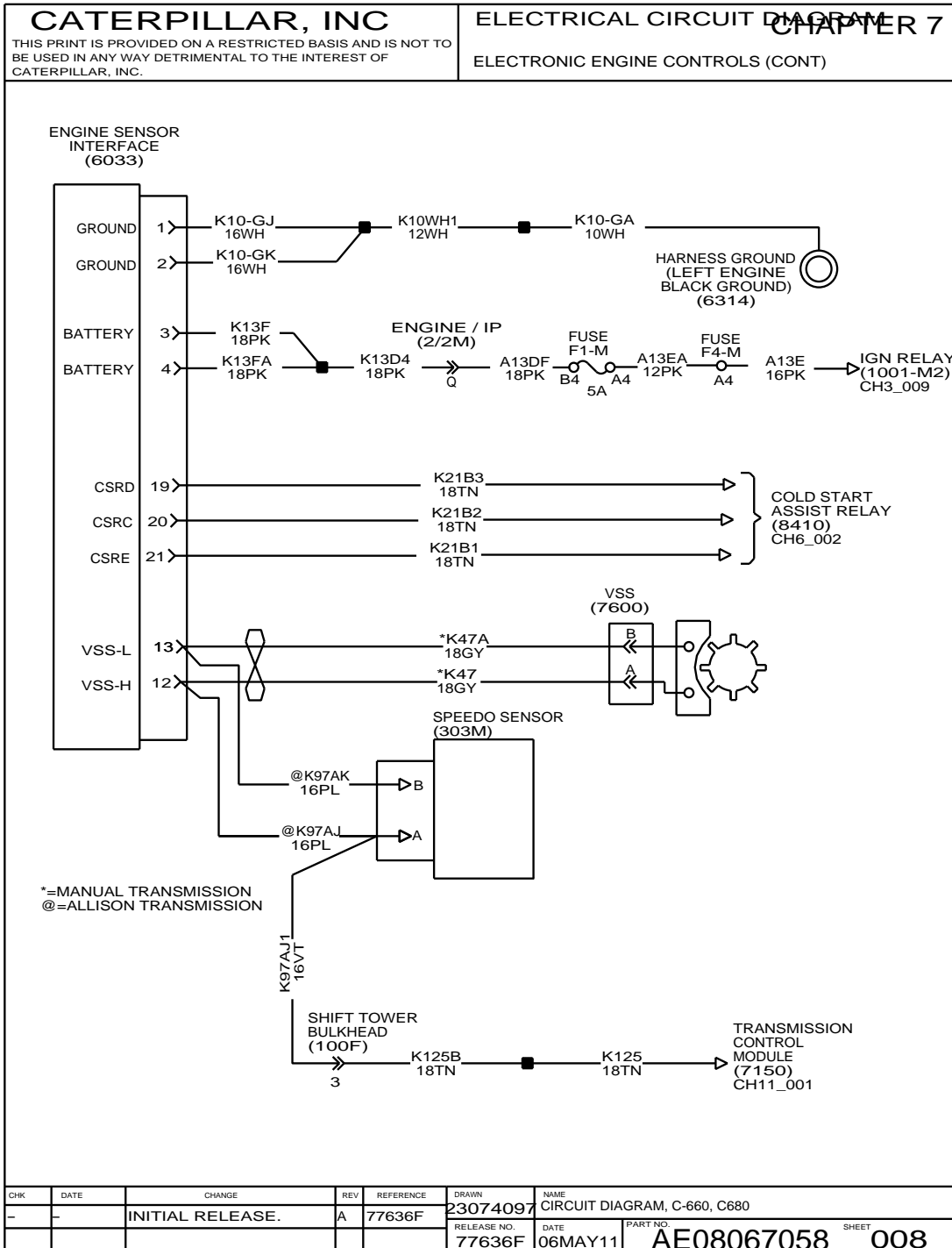
ELECTRONIC ENGINE CONTROLS, P. 6



ELECTRONIC ENGINE CONTROLS, P. 7

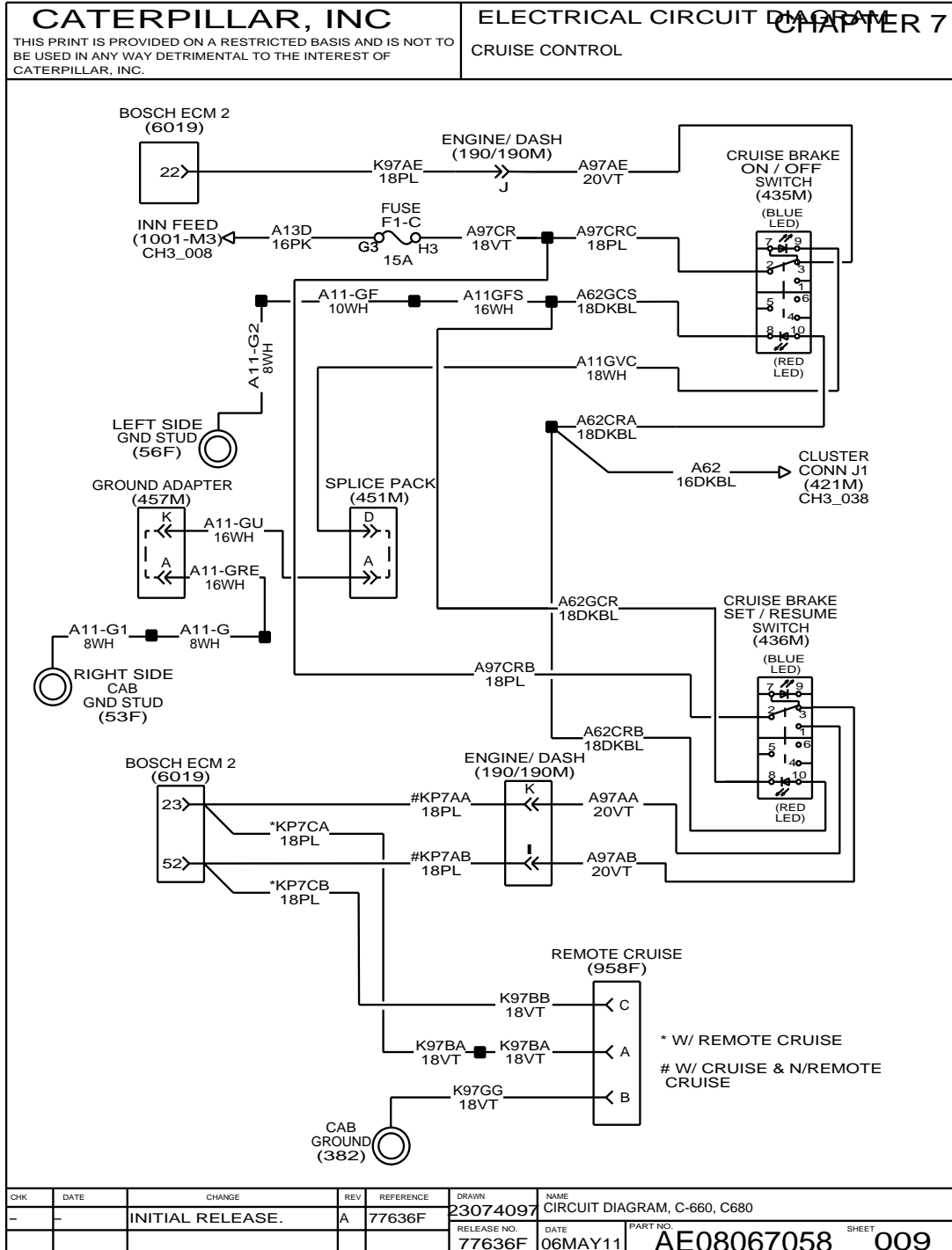


ELECTRONIC ENGINE CONTROLS, P. 8

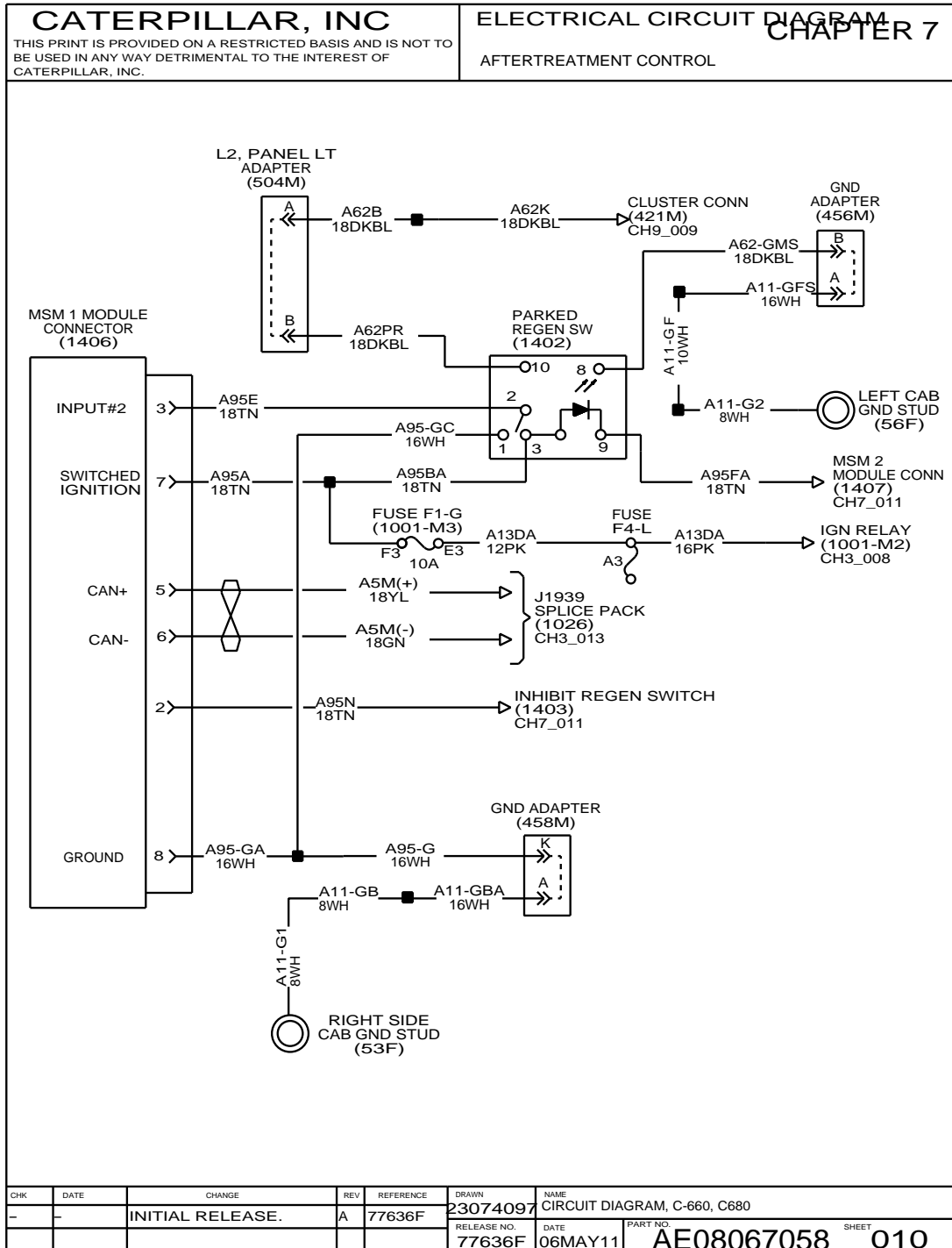


CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
-	-	INITIAL RELEASE.	A	77636F	23074097	CIRCUIT DIAGRAM, C-660, C680
					RELEASE NO.	DATE
					77636F	06MAY11
					PART NO.	SHEET
					AE08067058	008

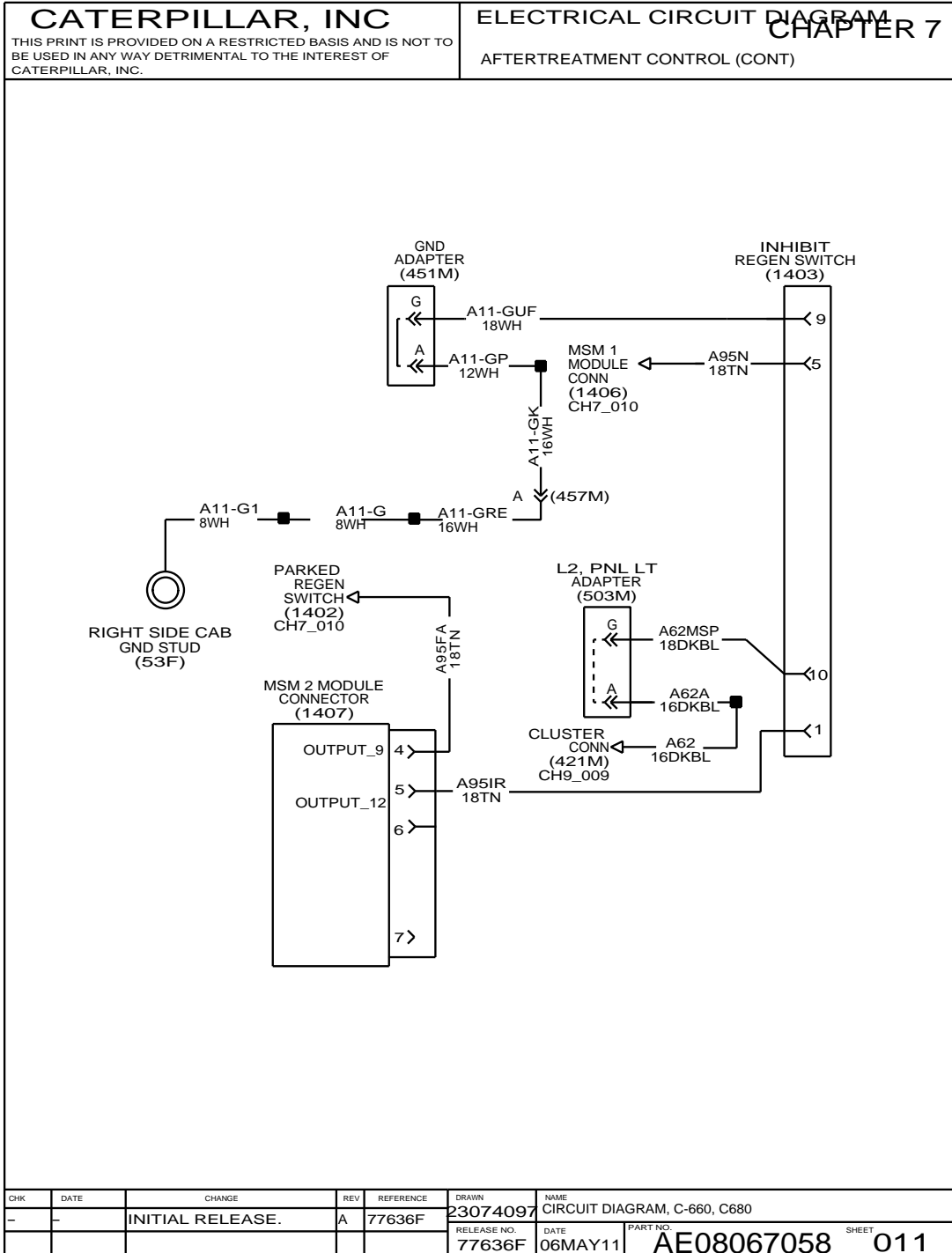
CRUISE CONTROL, P. 9



AFTERTREATMENT CONTROL, P. 10

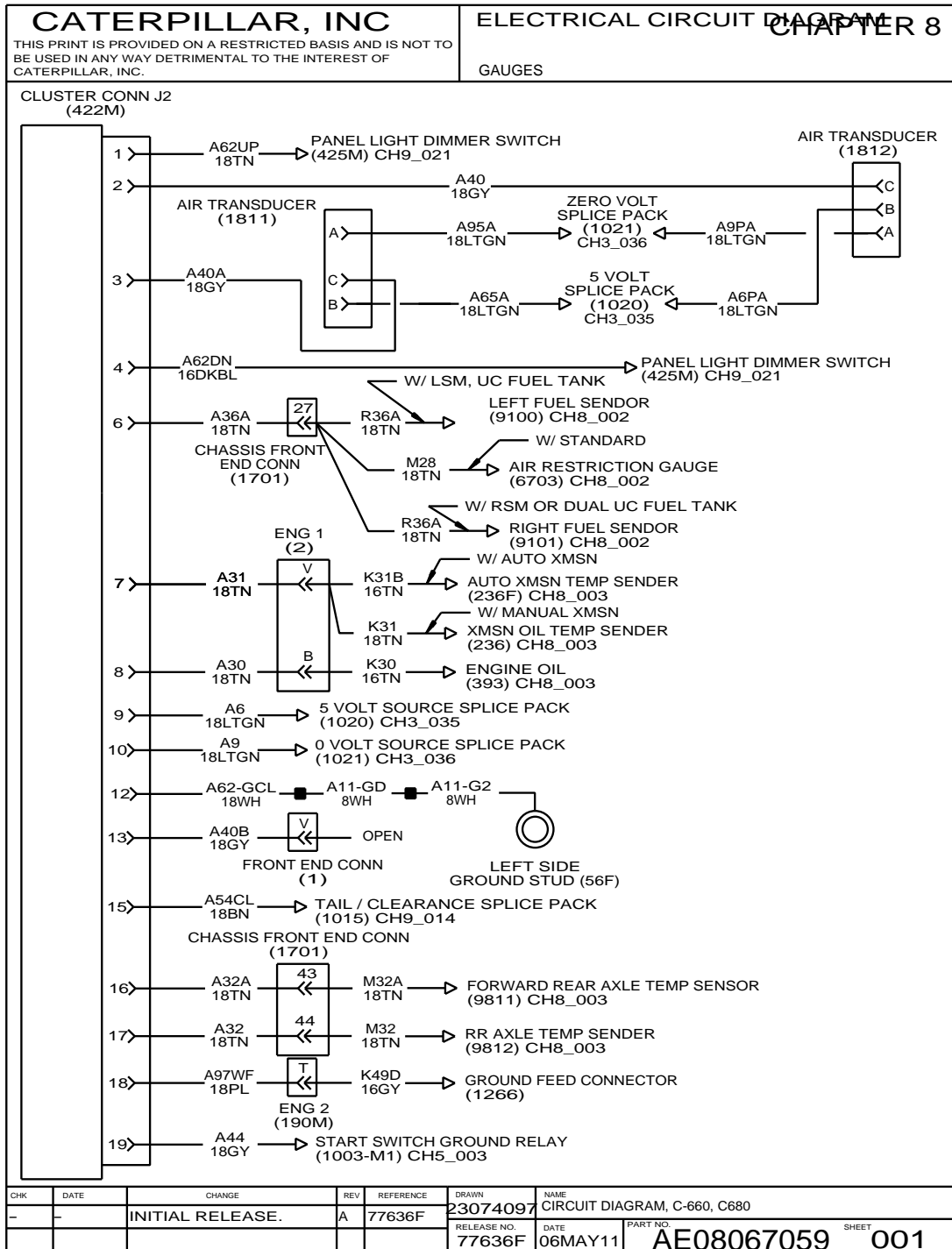


AFTERTREATMENT CONTROL, P. 11

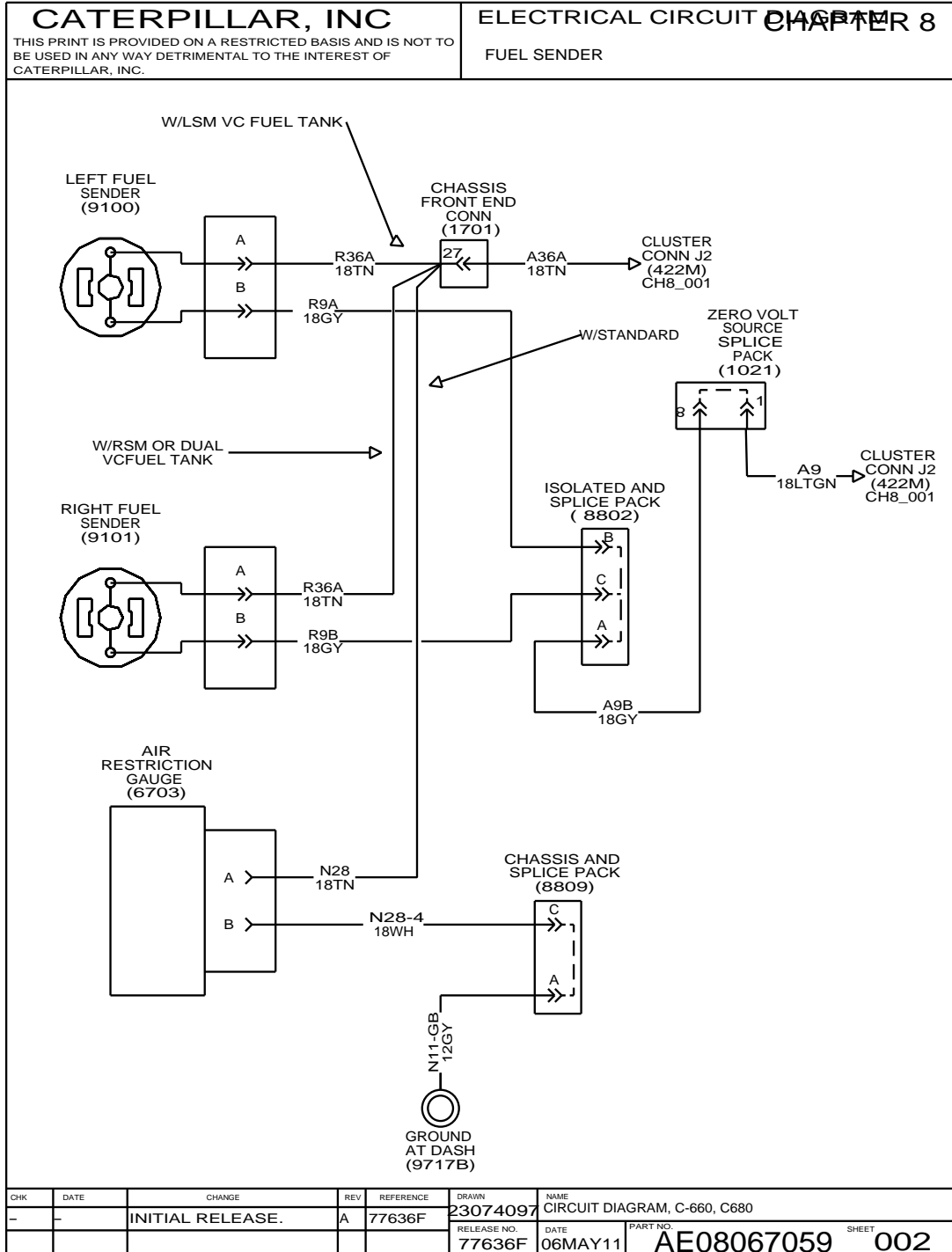


# GAUGES AND WARNING LIGHTS (CHAPTER 8)

## GAUGES, P. 1

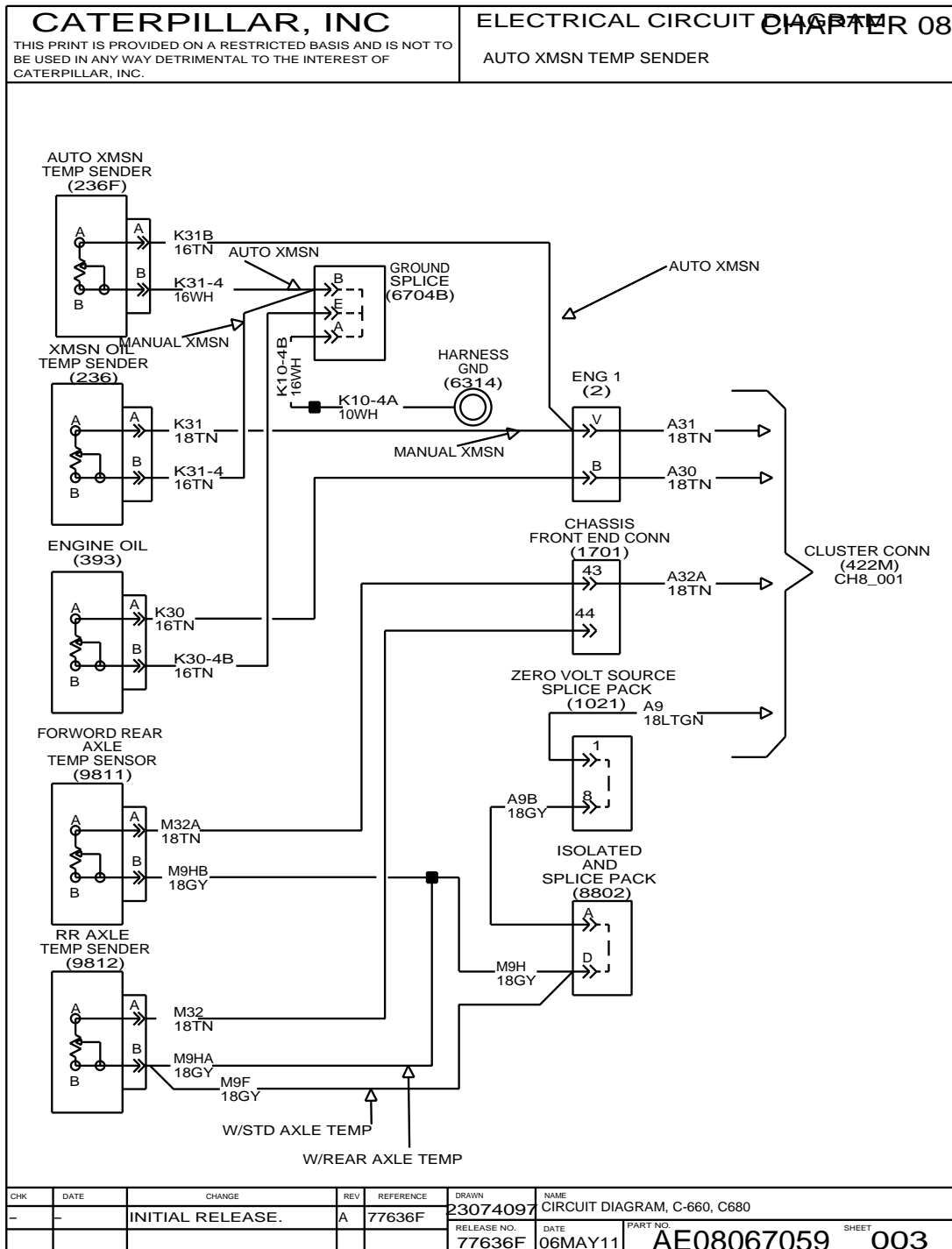


FUEL SENDER, P. 2



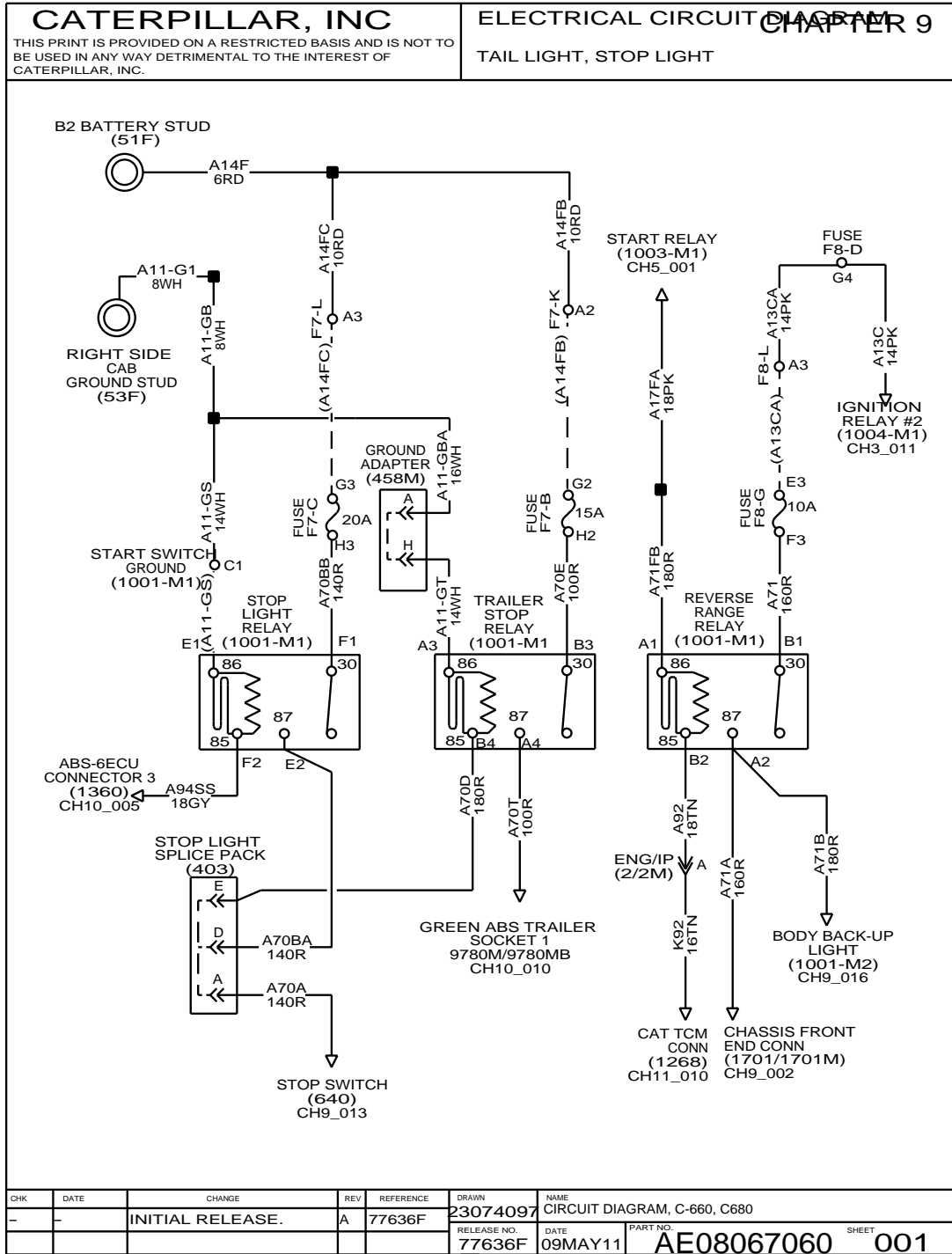


AUTO XMSN TEMP SENDER, P. 3

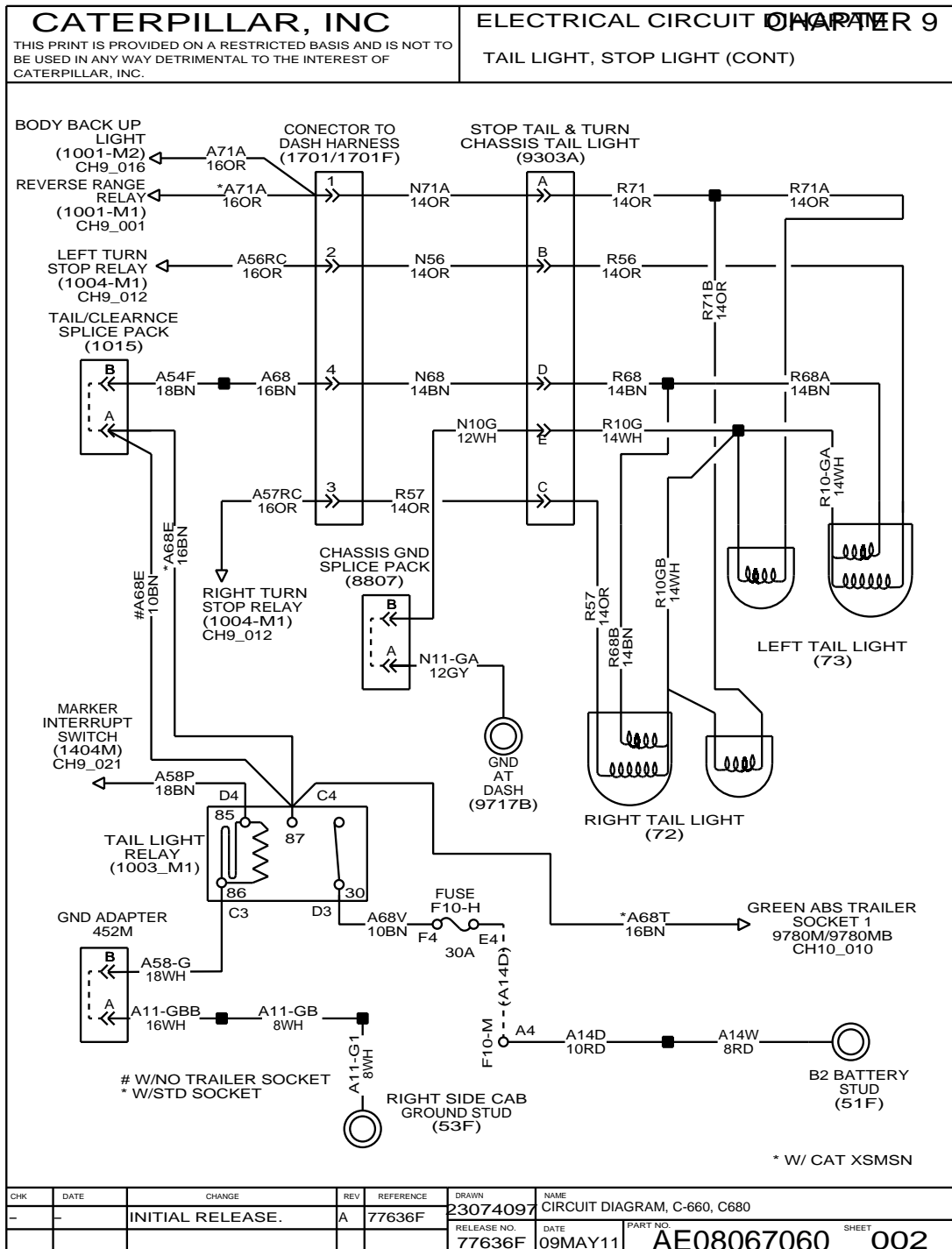


# LIGHTING SYSTEM (CHAPTER 9)

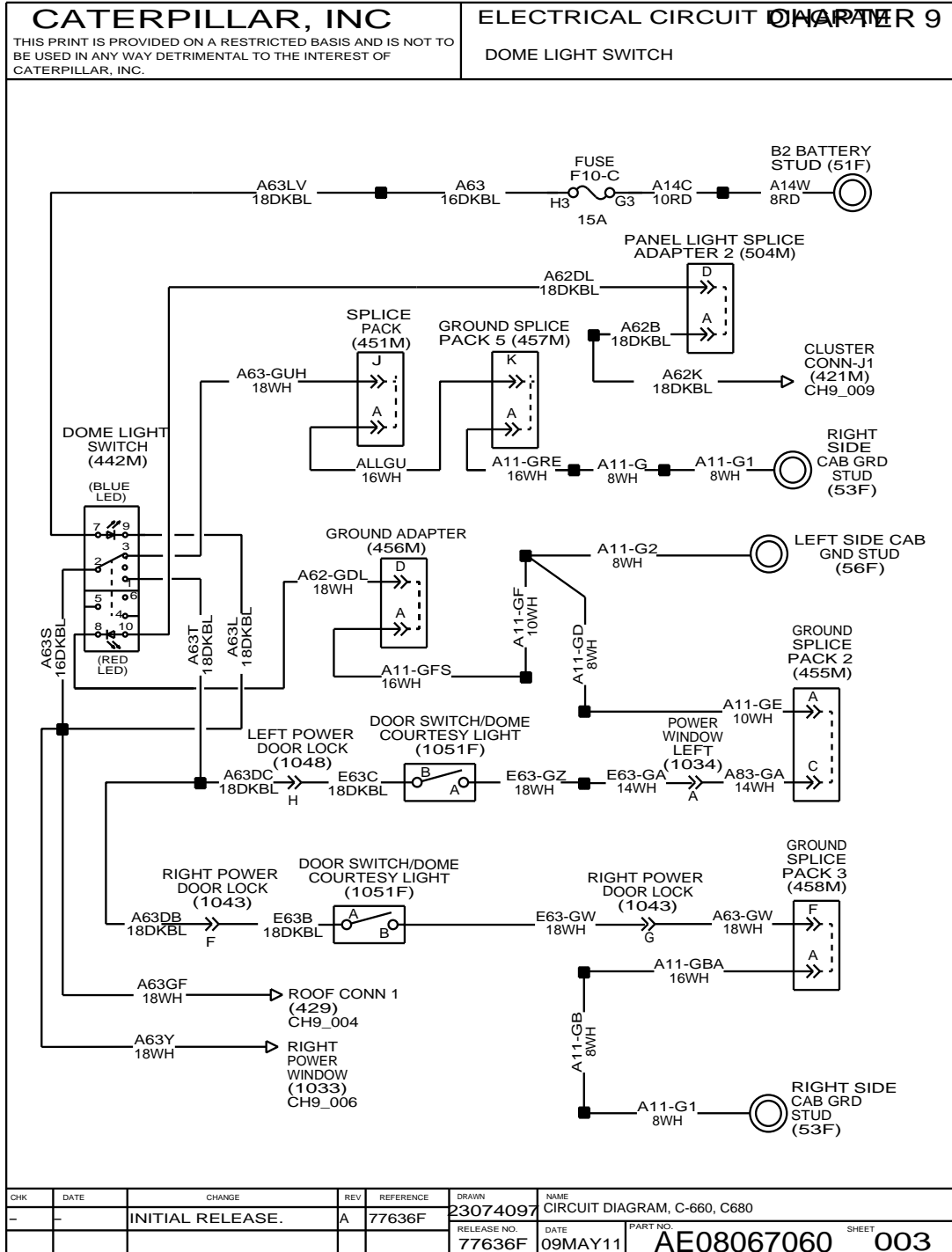
## TAIL LIGHT, STOP LIGHT, P. 1



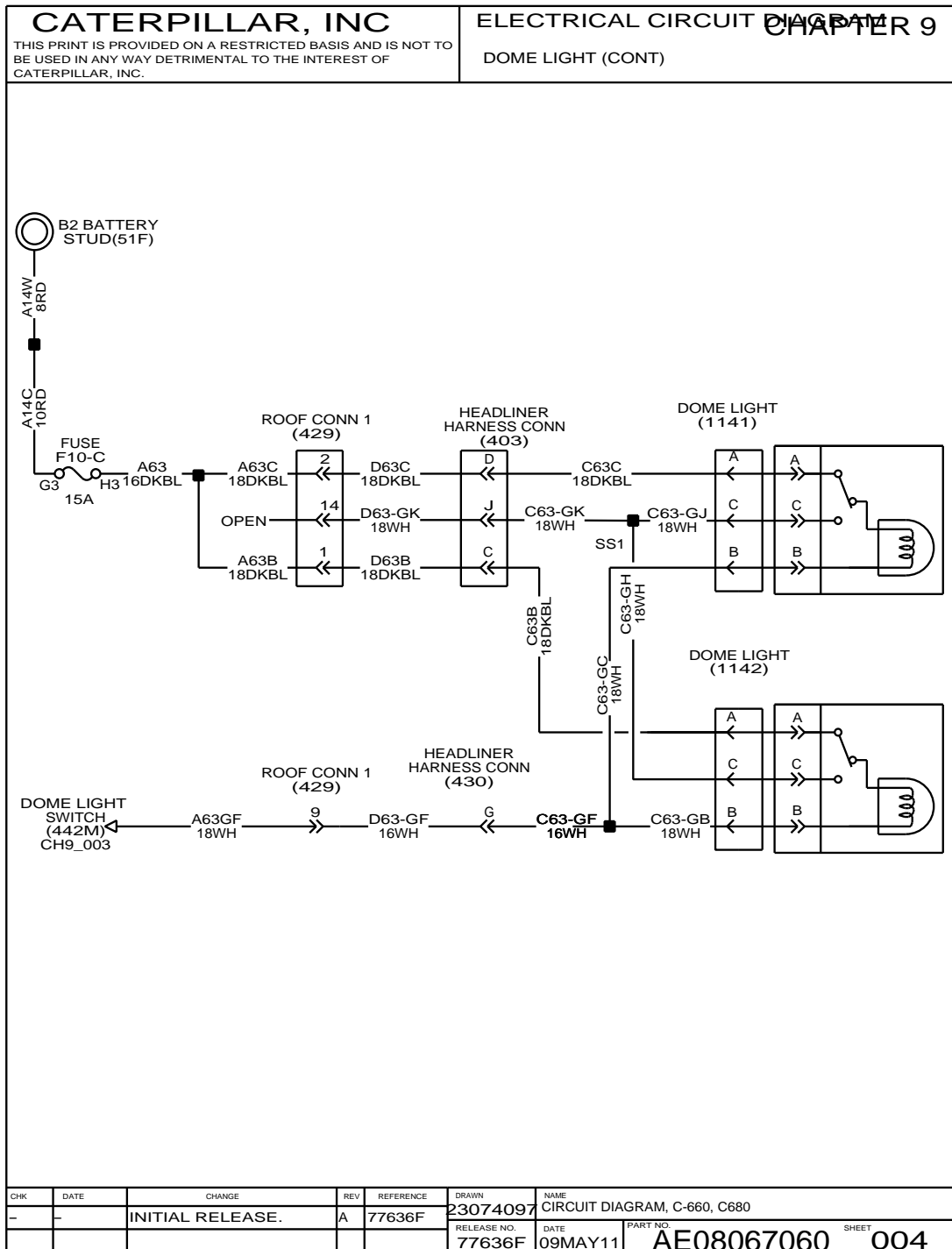
TAIL LIGHT, STOP LIGHT, P. 2



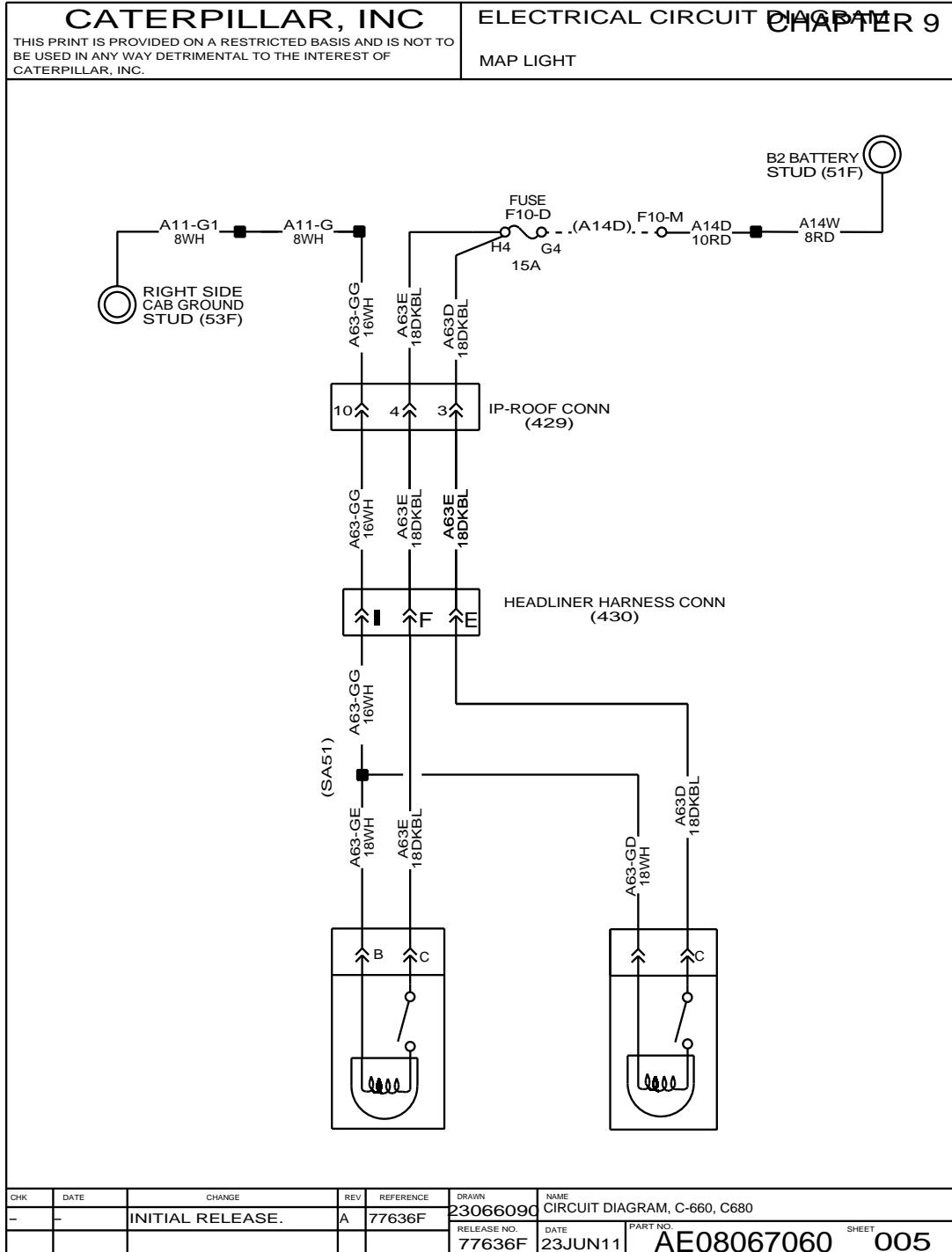
DOME LIGHT SWITCH, P. 3



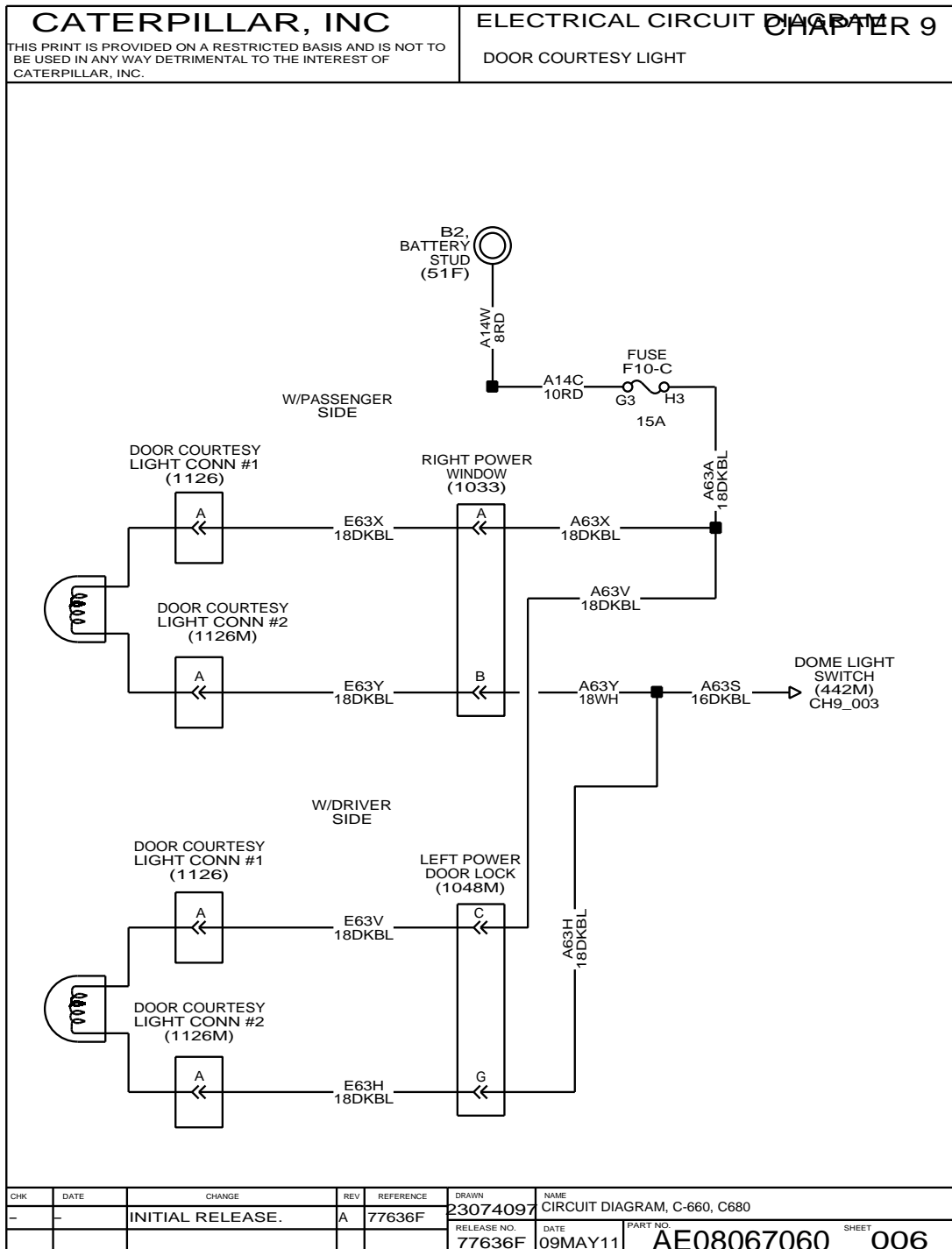
DOME LIGHT, P. 4



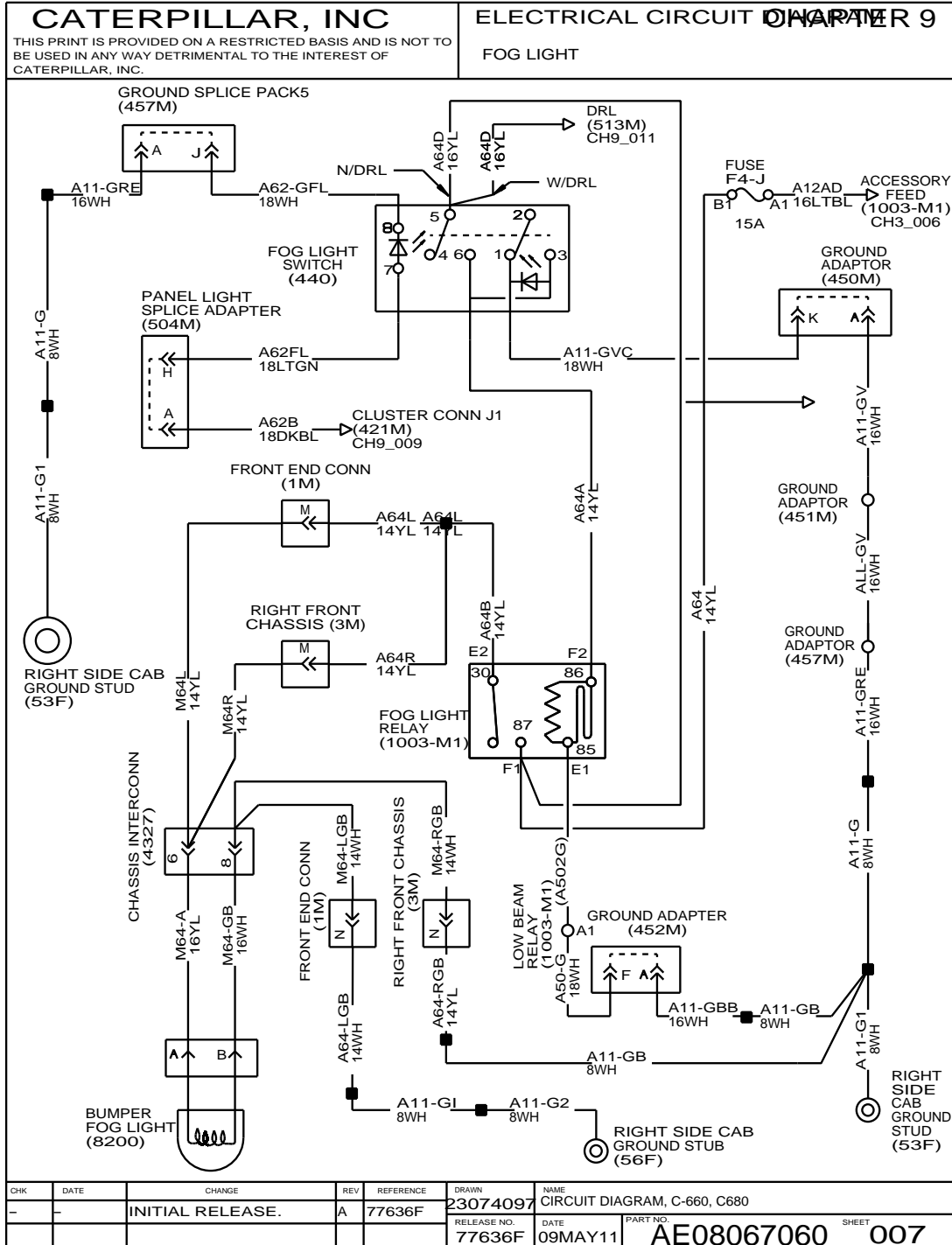
MAP LIGHT, P. 5



DOOR COURTESY LIGHT, P. 6

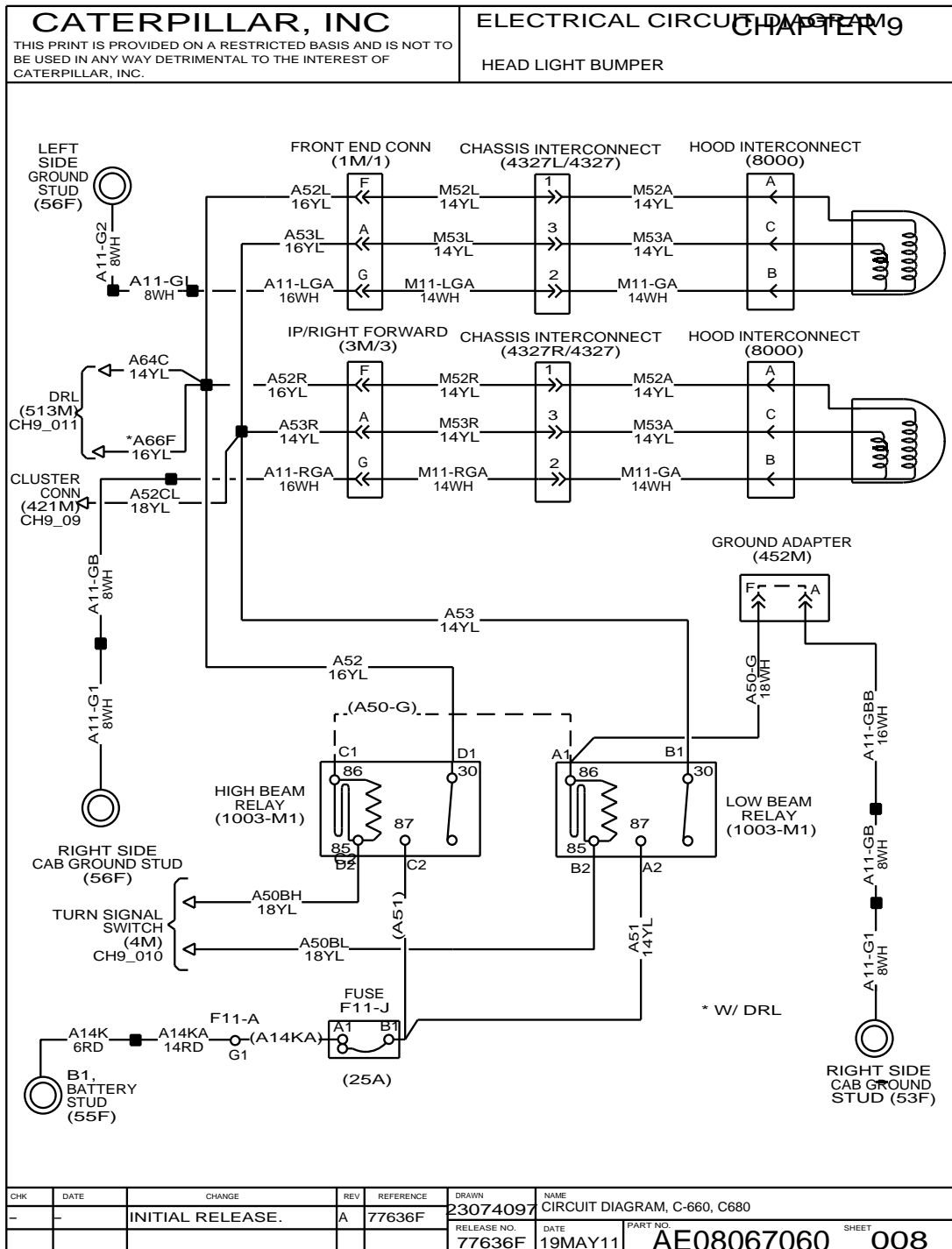


FOG LIGHT, P. 7

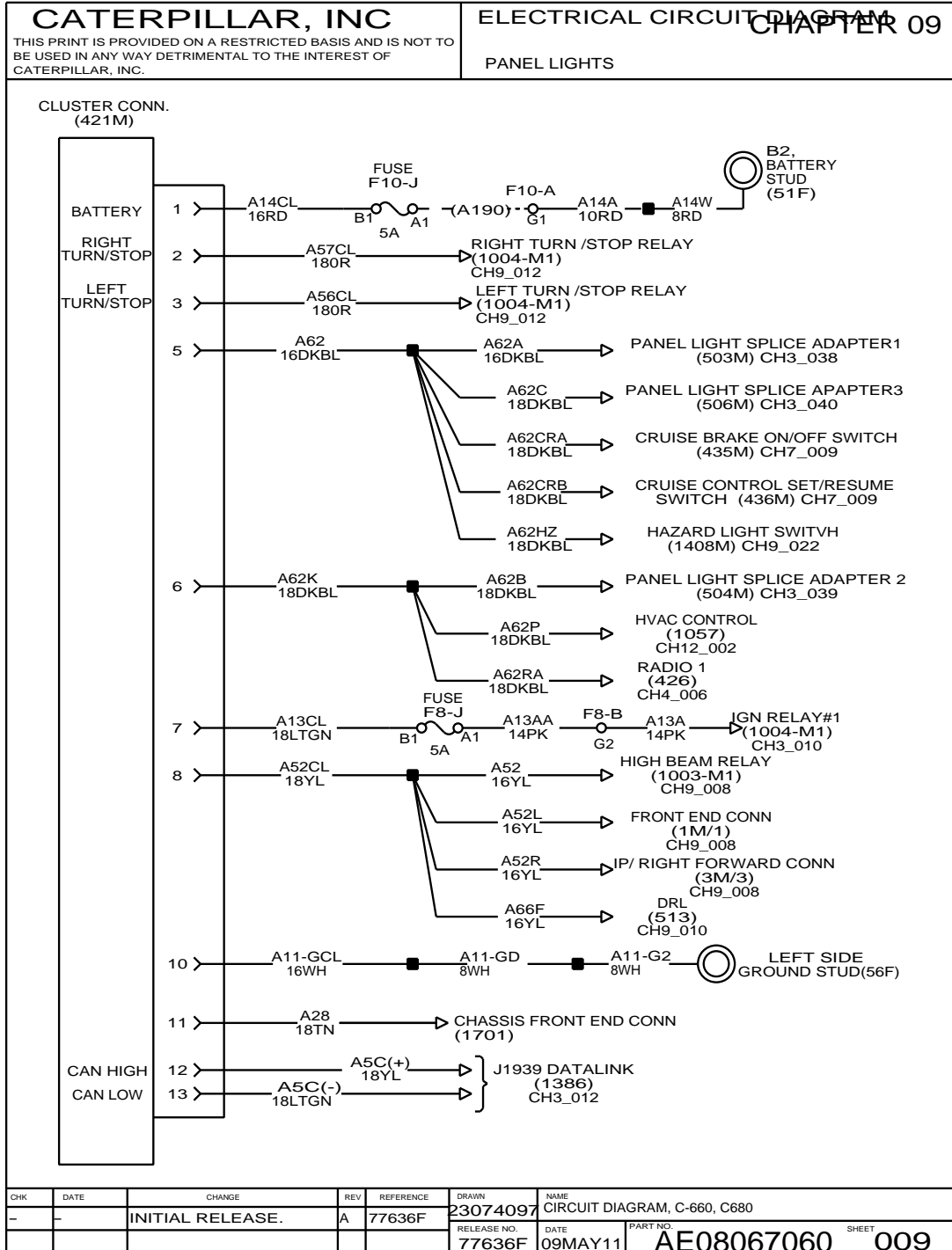




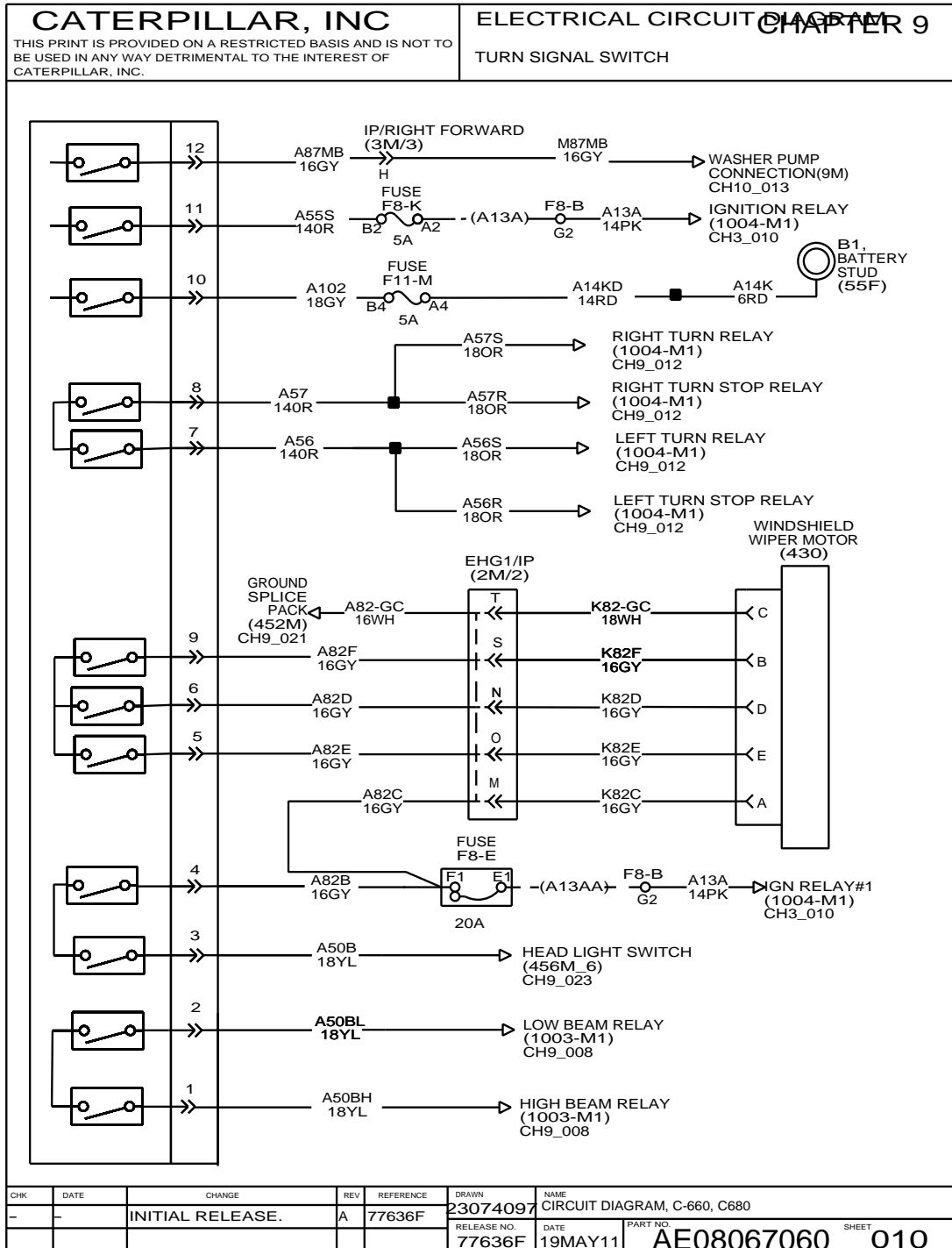
HEAD LIGHT BUMPER, P. 8



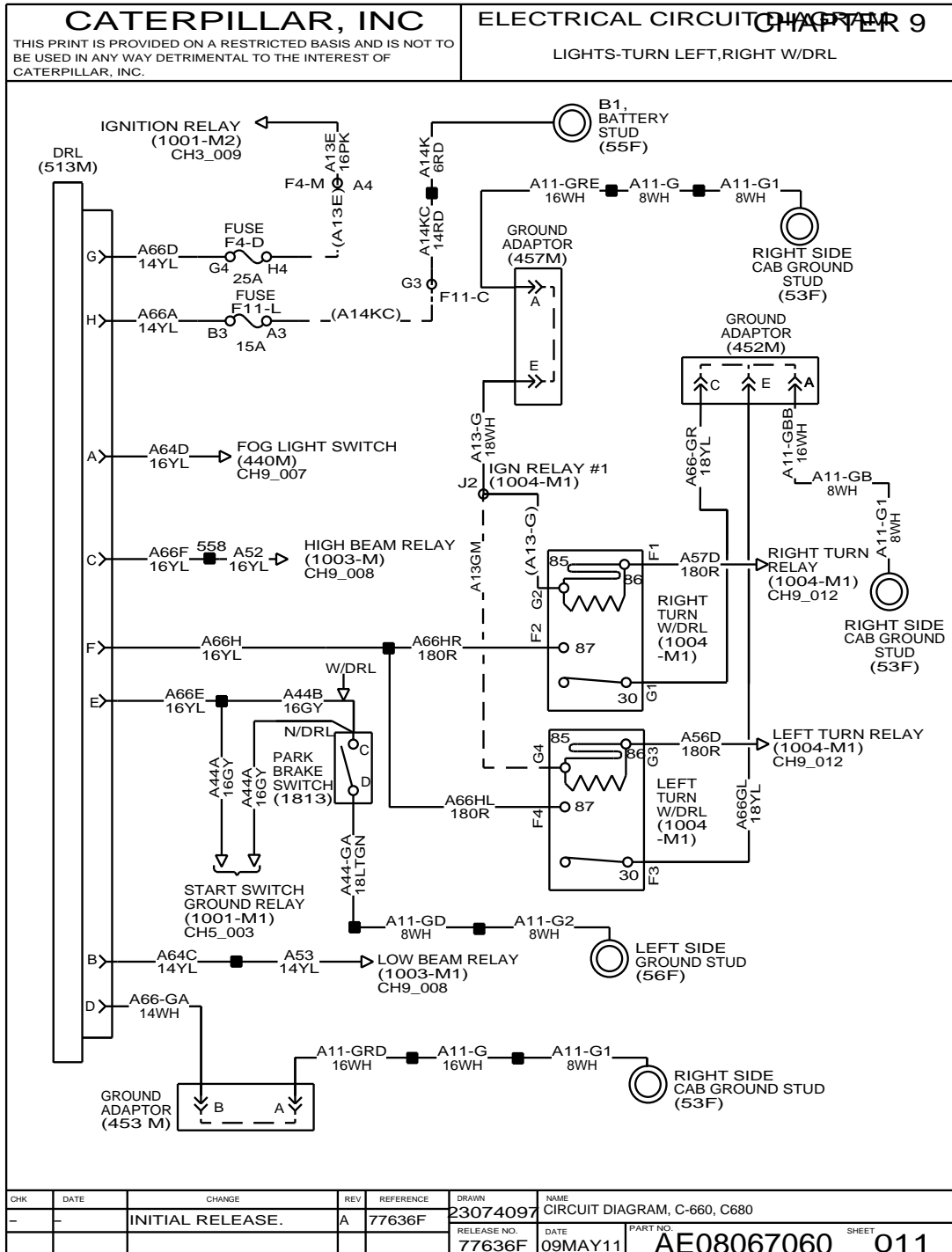
PANEL LIGHTS, P. 9



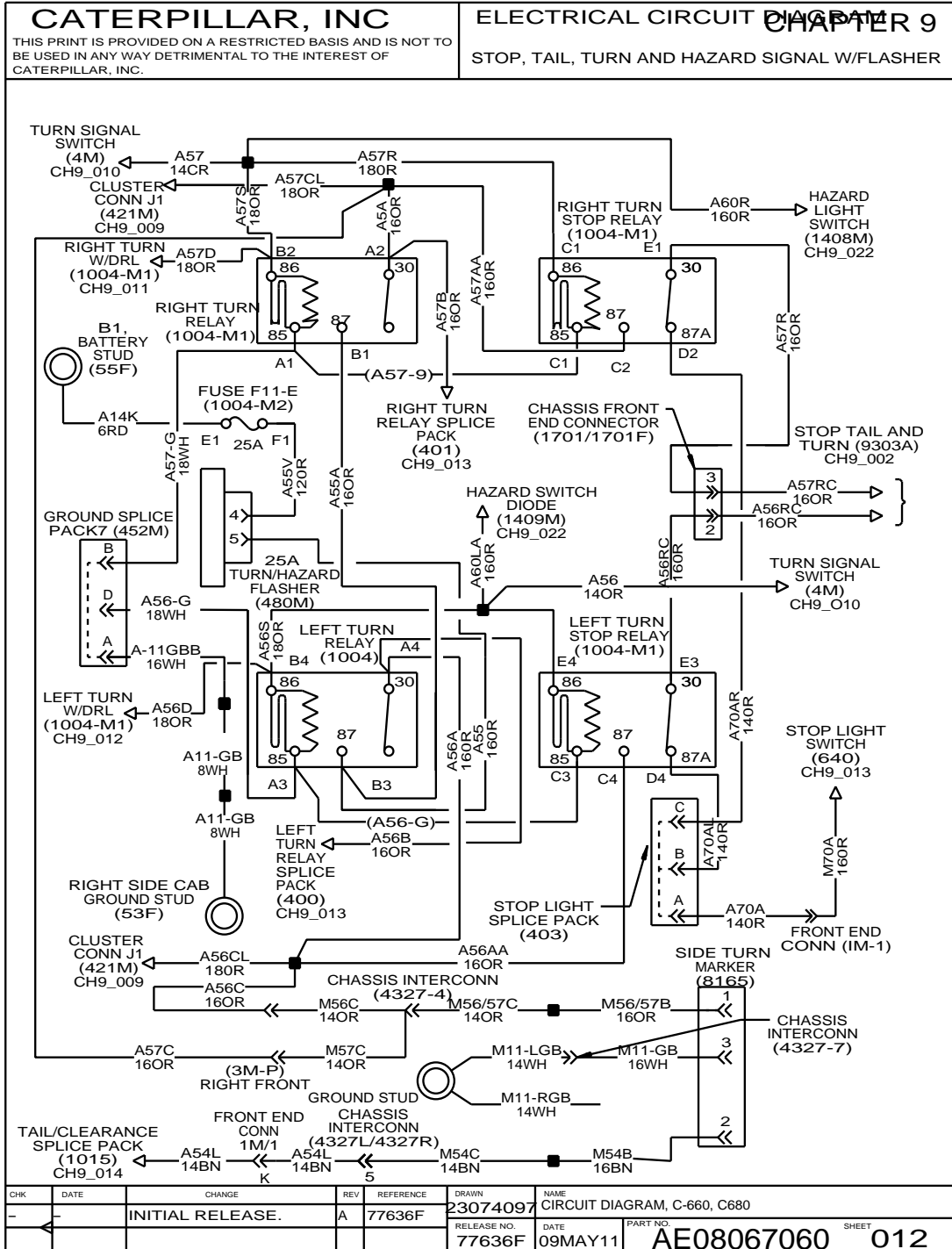
TURN SIGNAL SWITCH, P. 10



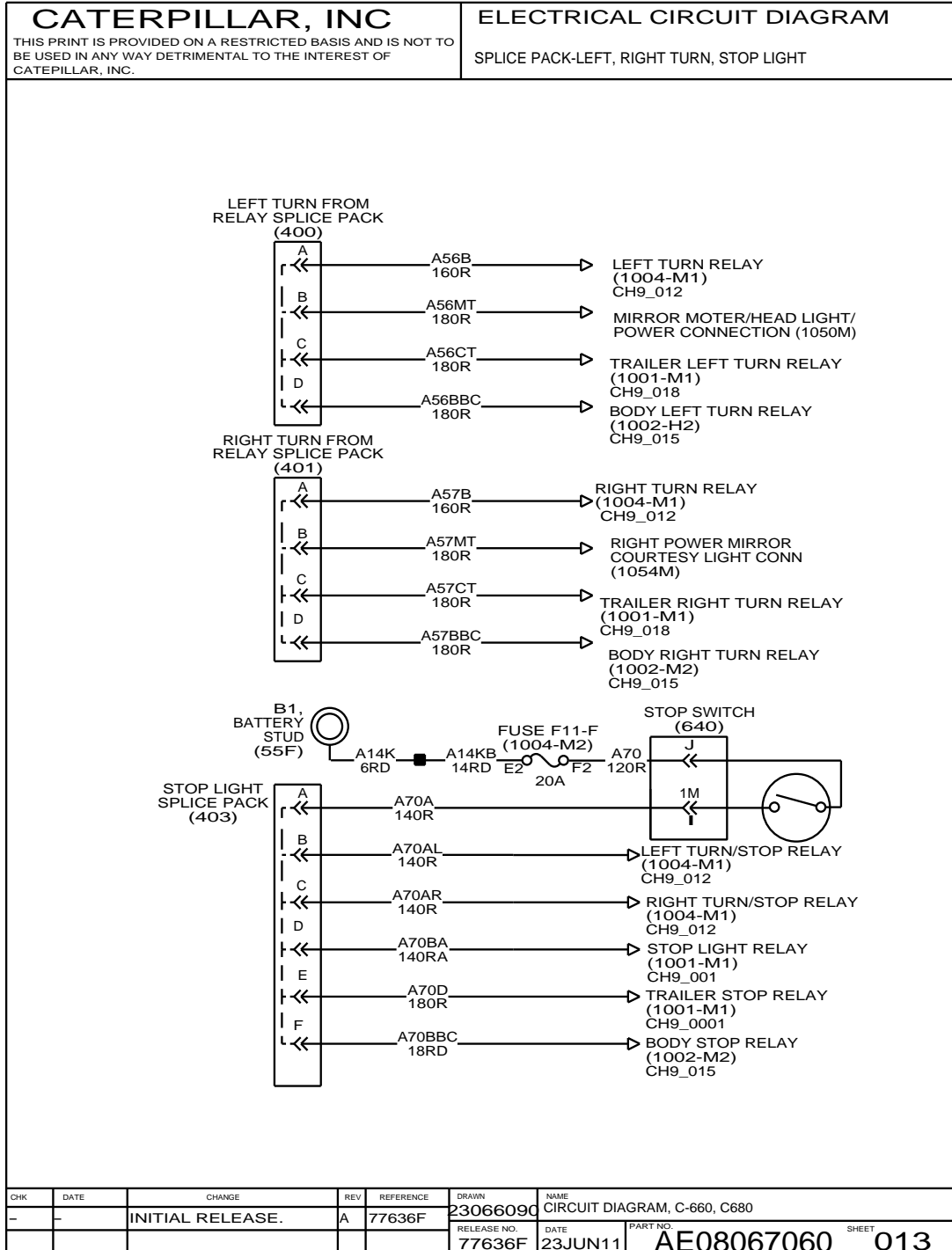
LIGHTS – TURN LEFT, RIGHT W/DRL, P. 11



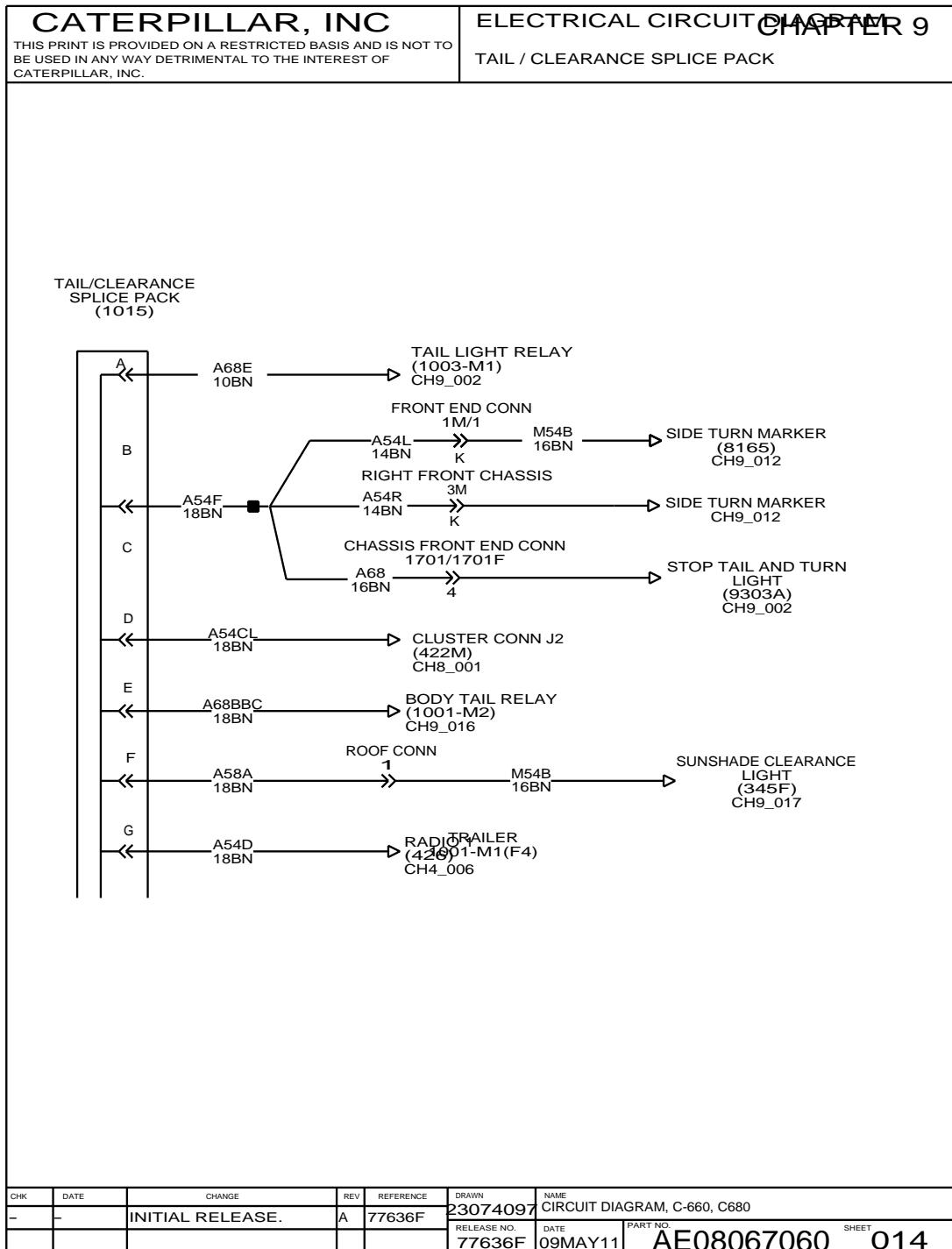
STOP, TAIL, TURN AND HAZARD SIGNAL W/FLASHER, P. 12



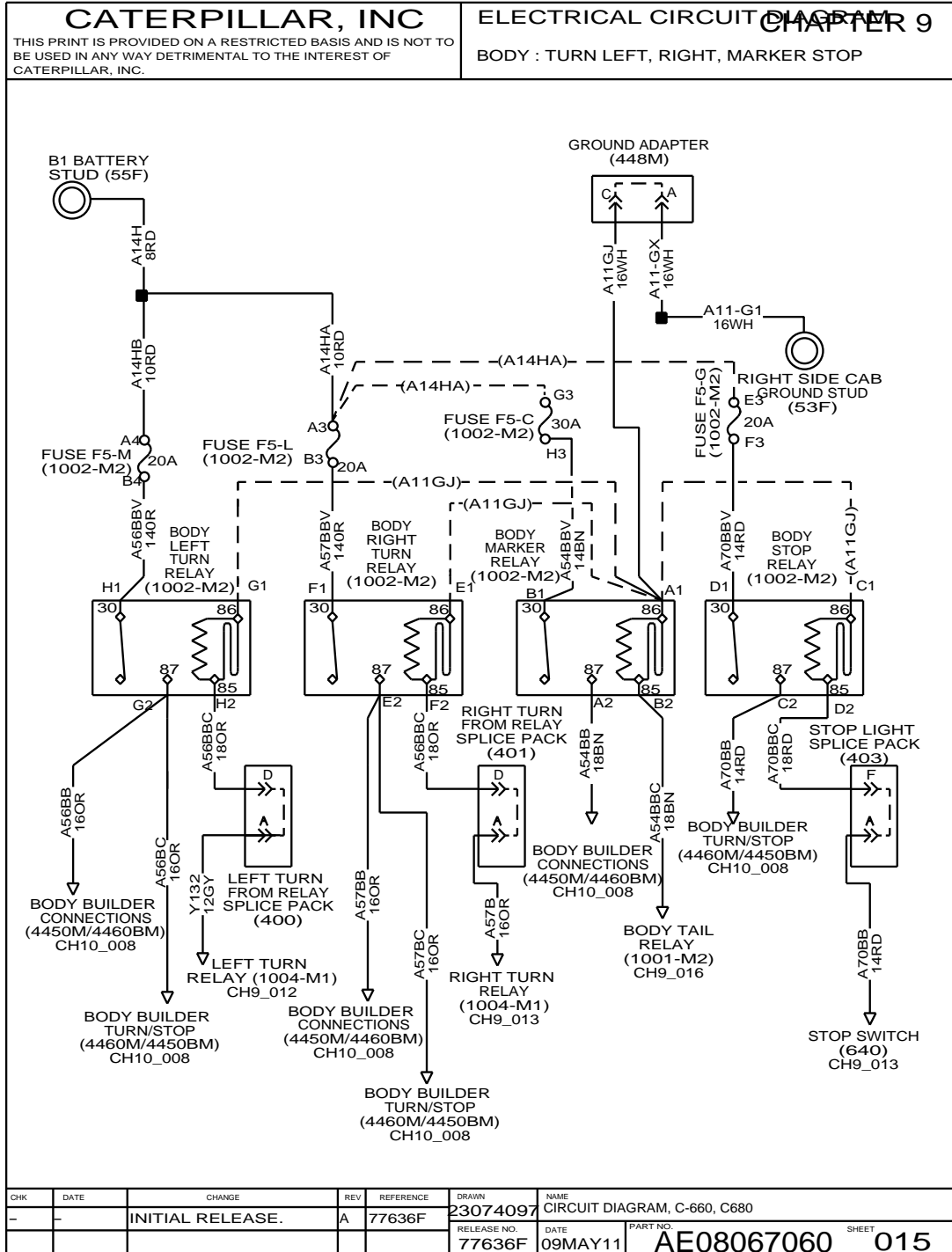
SPLICE PACK – LEFT, RIGHT TURN, STOP LIGHT, P. 13



TAIL/CLEARANCE SPLICE PACK, P. 14

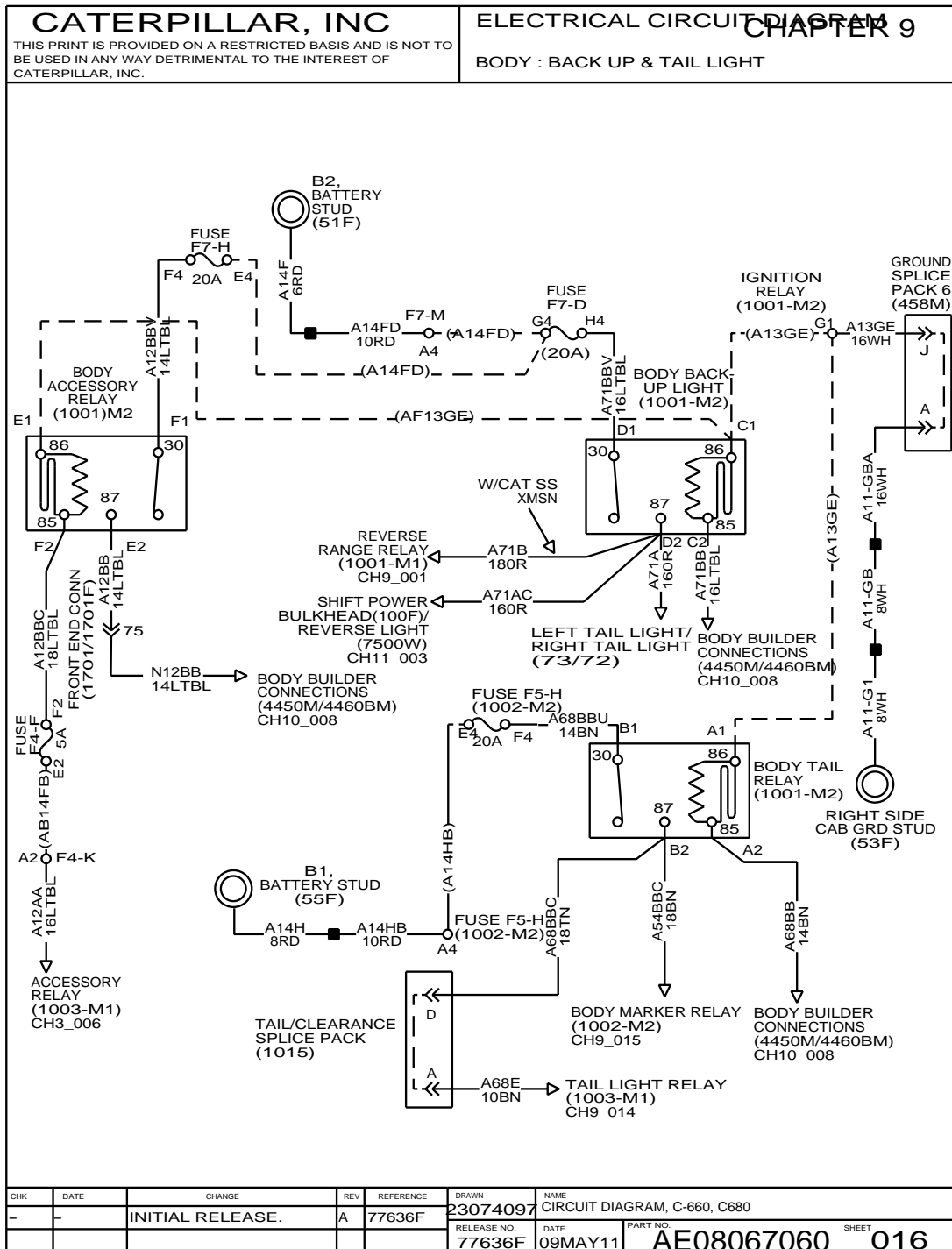


BODY: TURN LEFT, RIGHT, MARKER STOP, P. 15

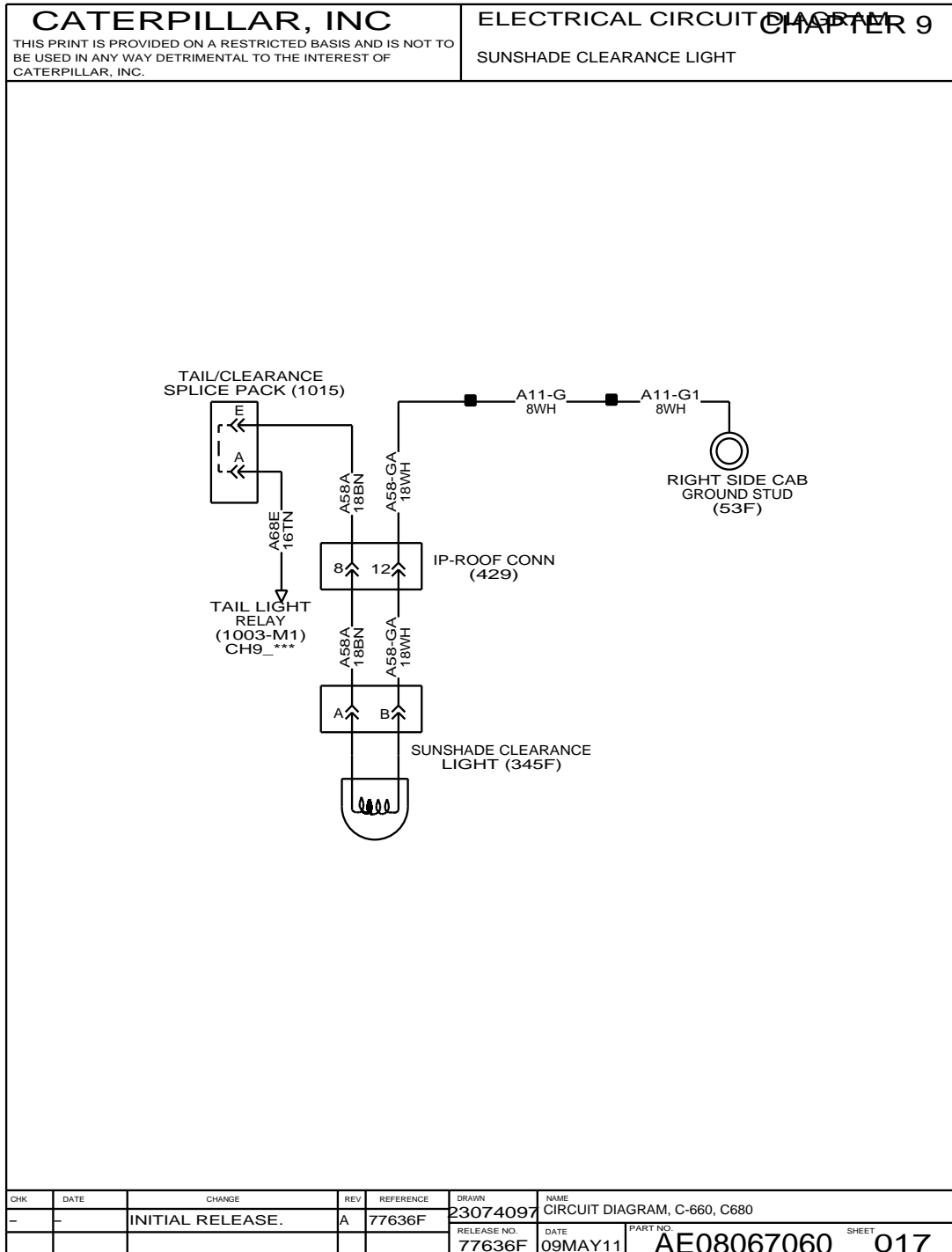




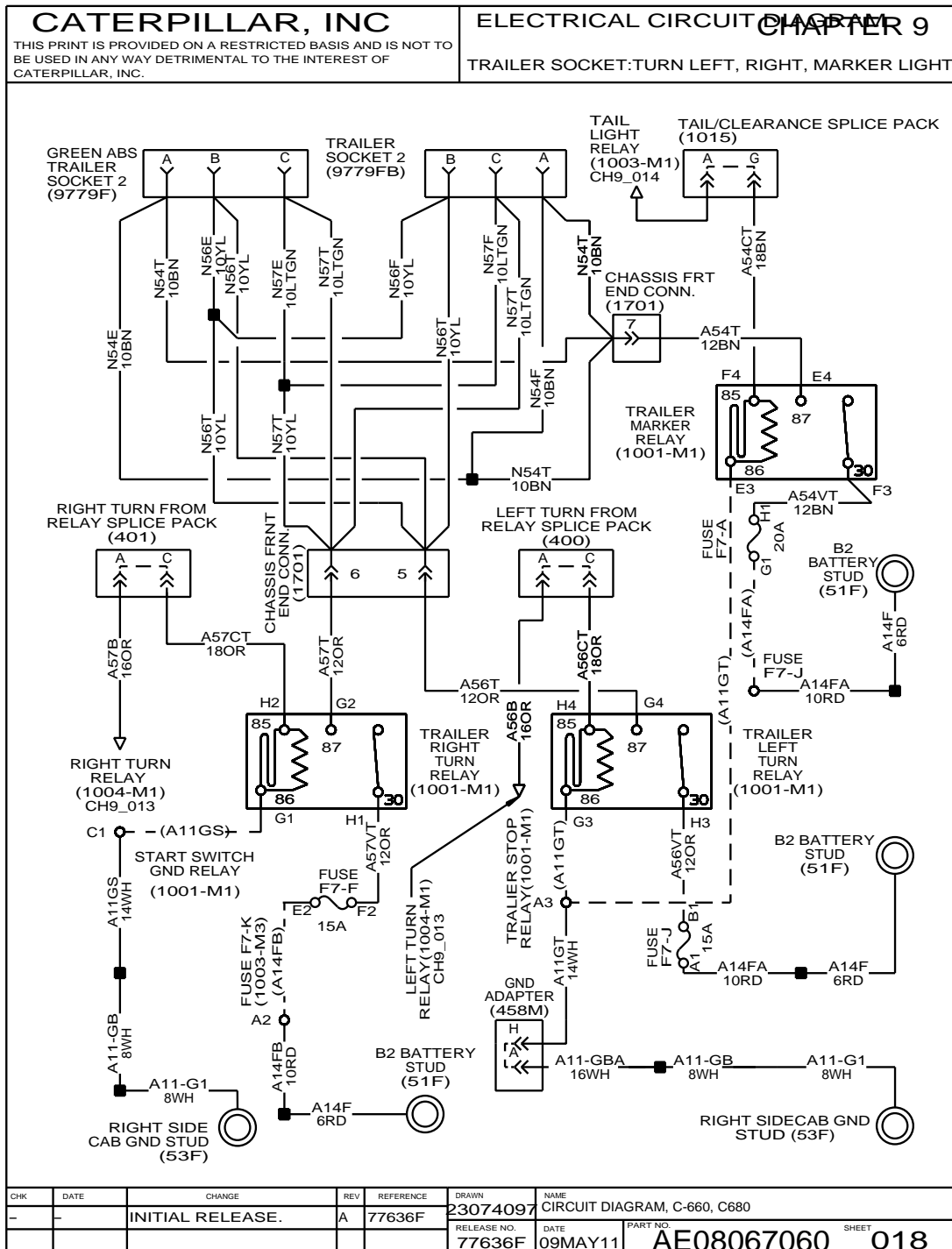
BODY: BACK UP AND TAIL LIGHT, P. 16



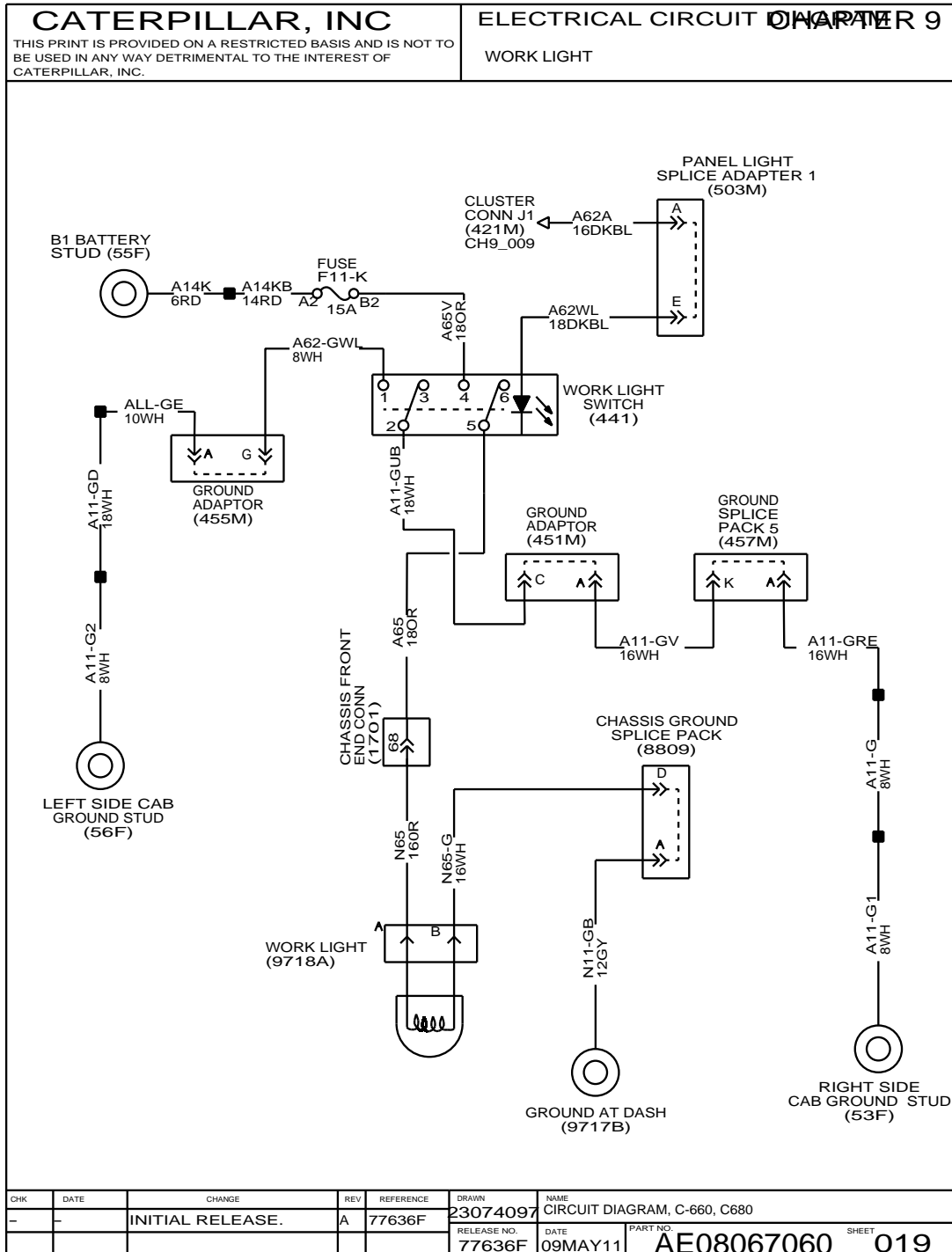
SUNSHADE CLEARANCE LIGHT, P. 17



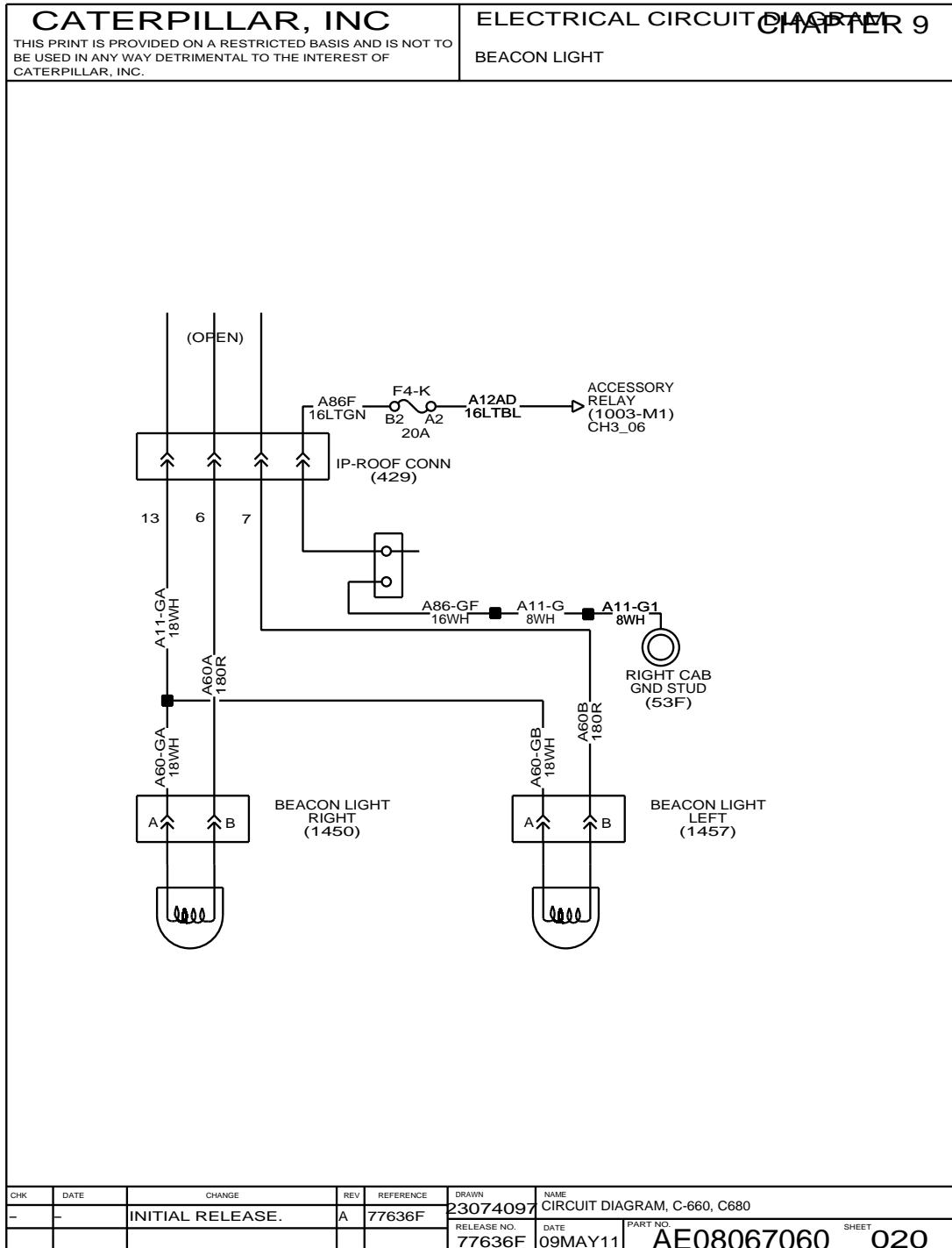
TRAILER SOCKET: TURN LEFT, RIGHT, MARKER LIGHT, P. 18



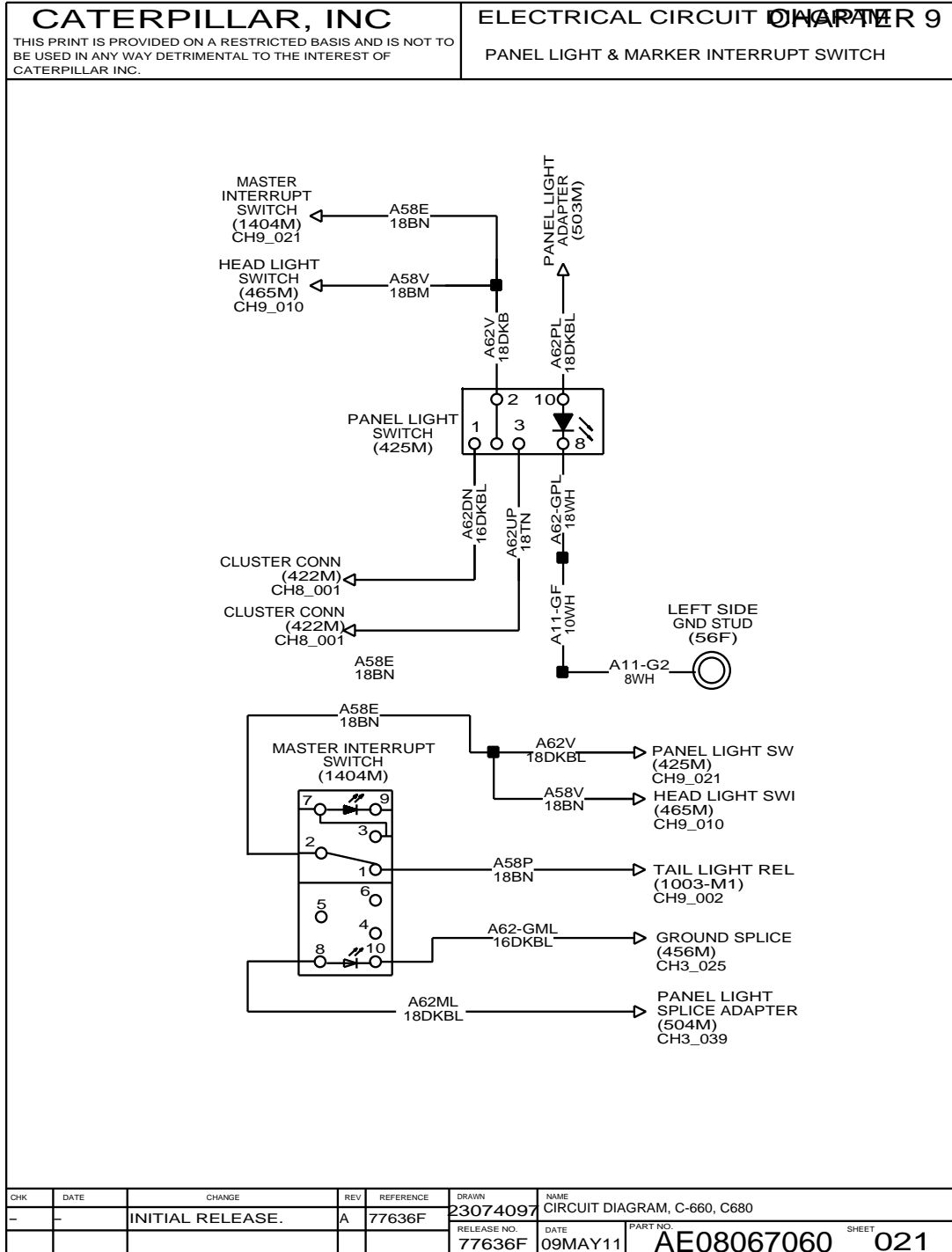
WORK LIGHT, P. 19



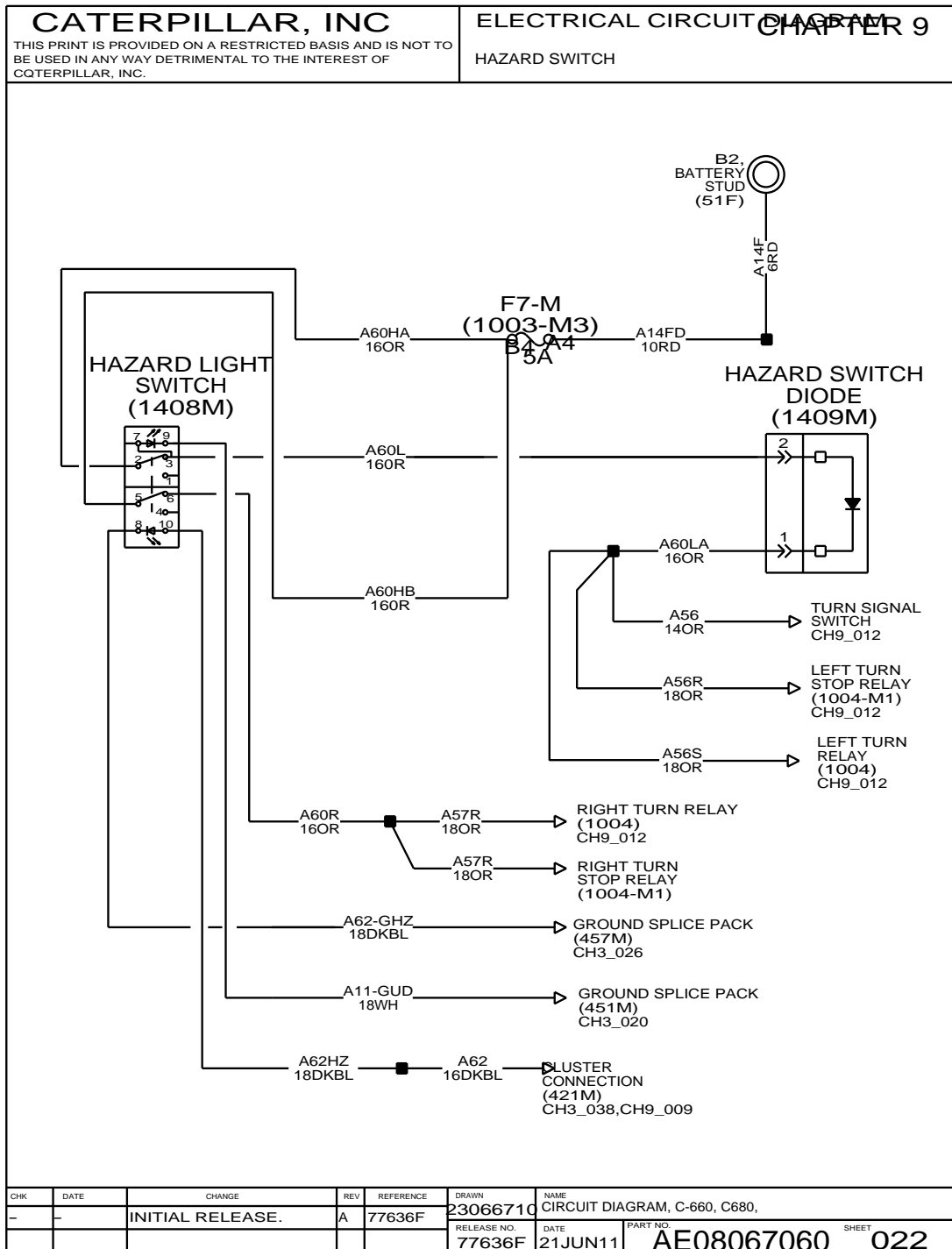
BEACON LIGHT, P. 20



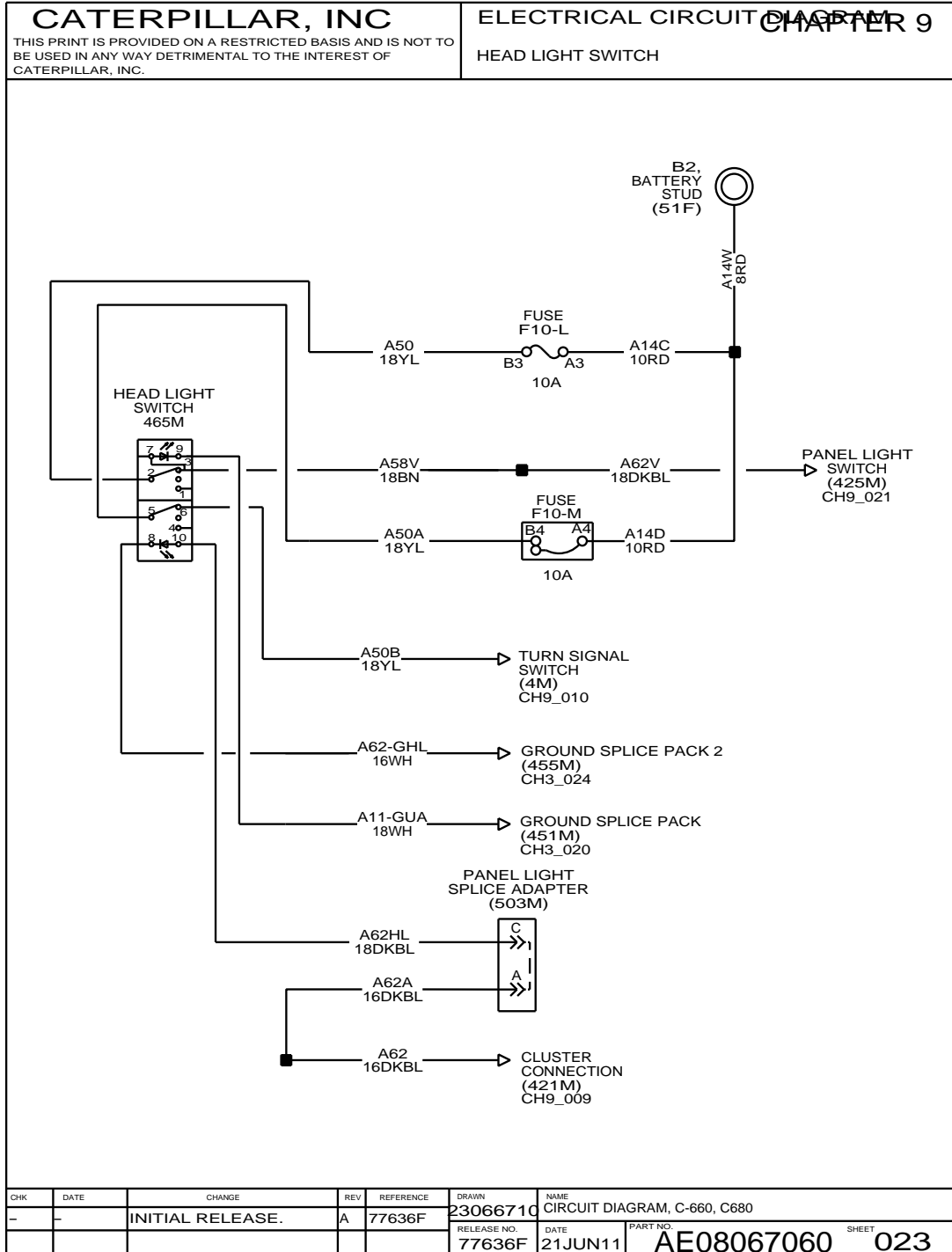
PANEL LIGHT AND MARKER INTERRUPT SWITCH, P. 21



HAZARD SWITCH, P. 22



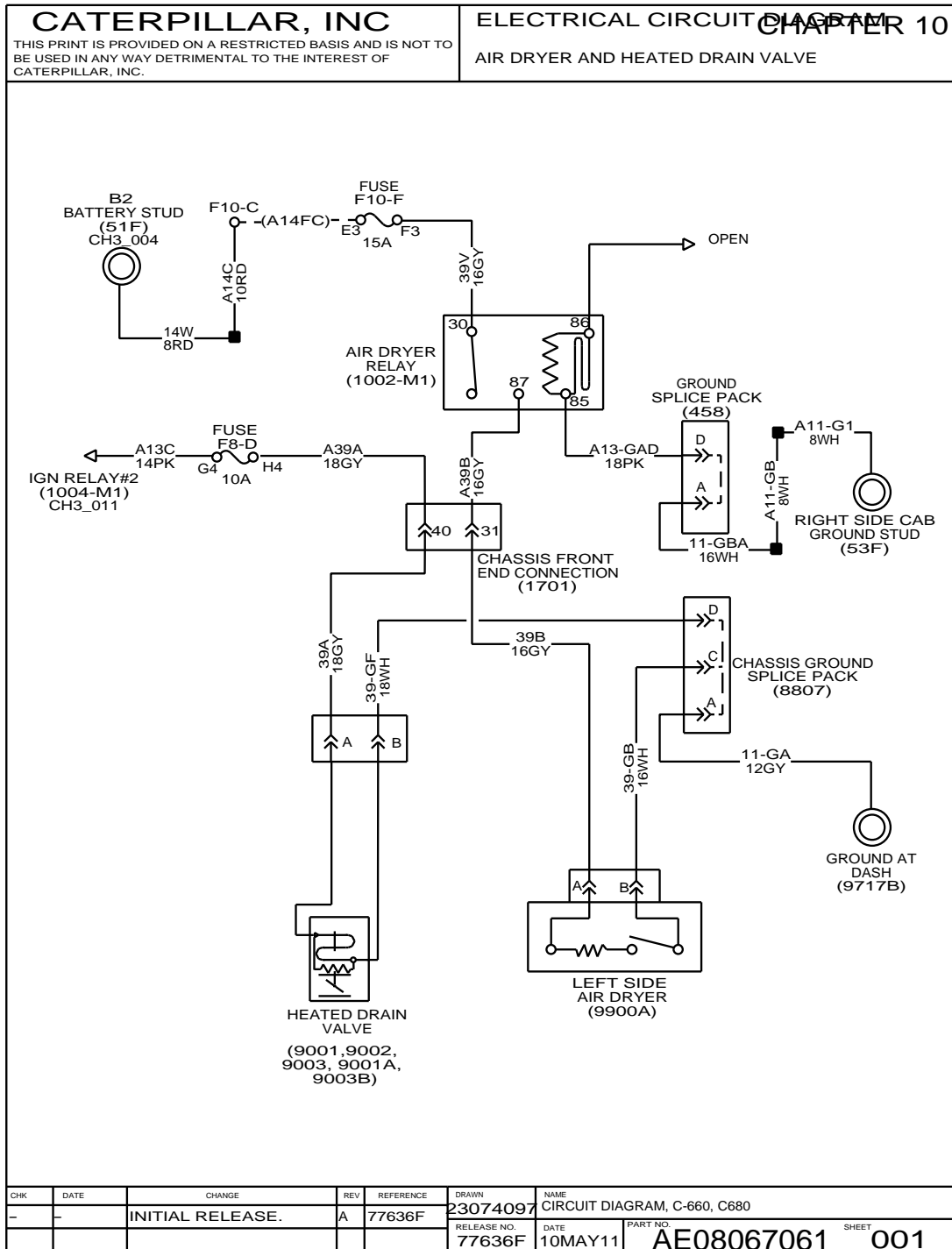
HEAD LIGHT SWITCH, P. 23



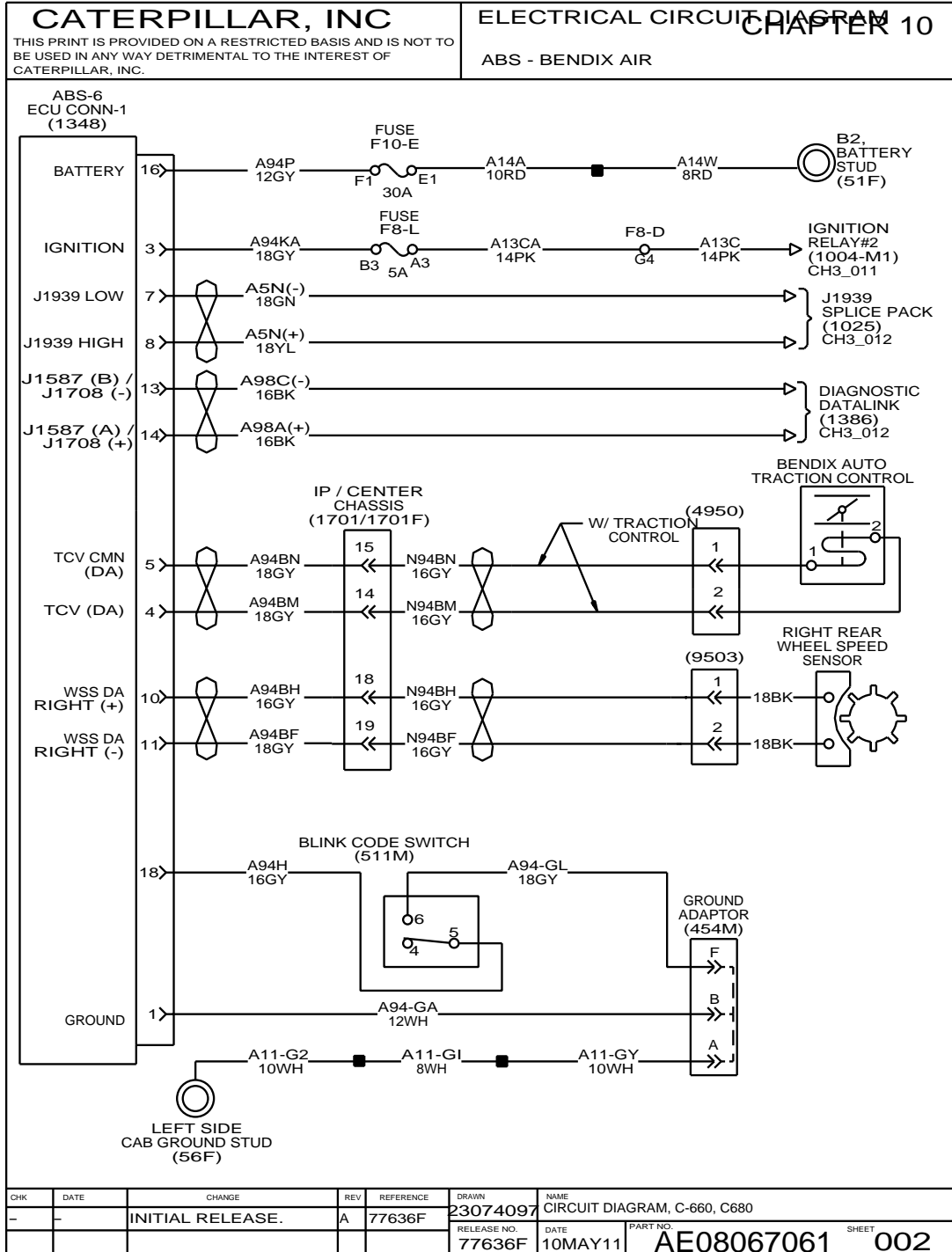


## CHASSIS ACCESSORIES (CHAPTER 10)

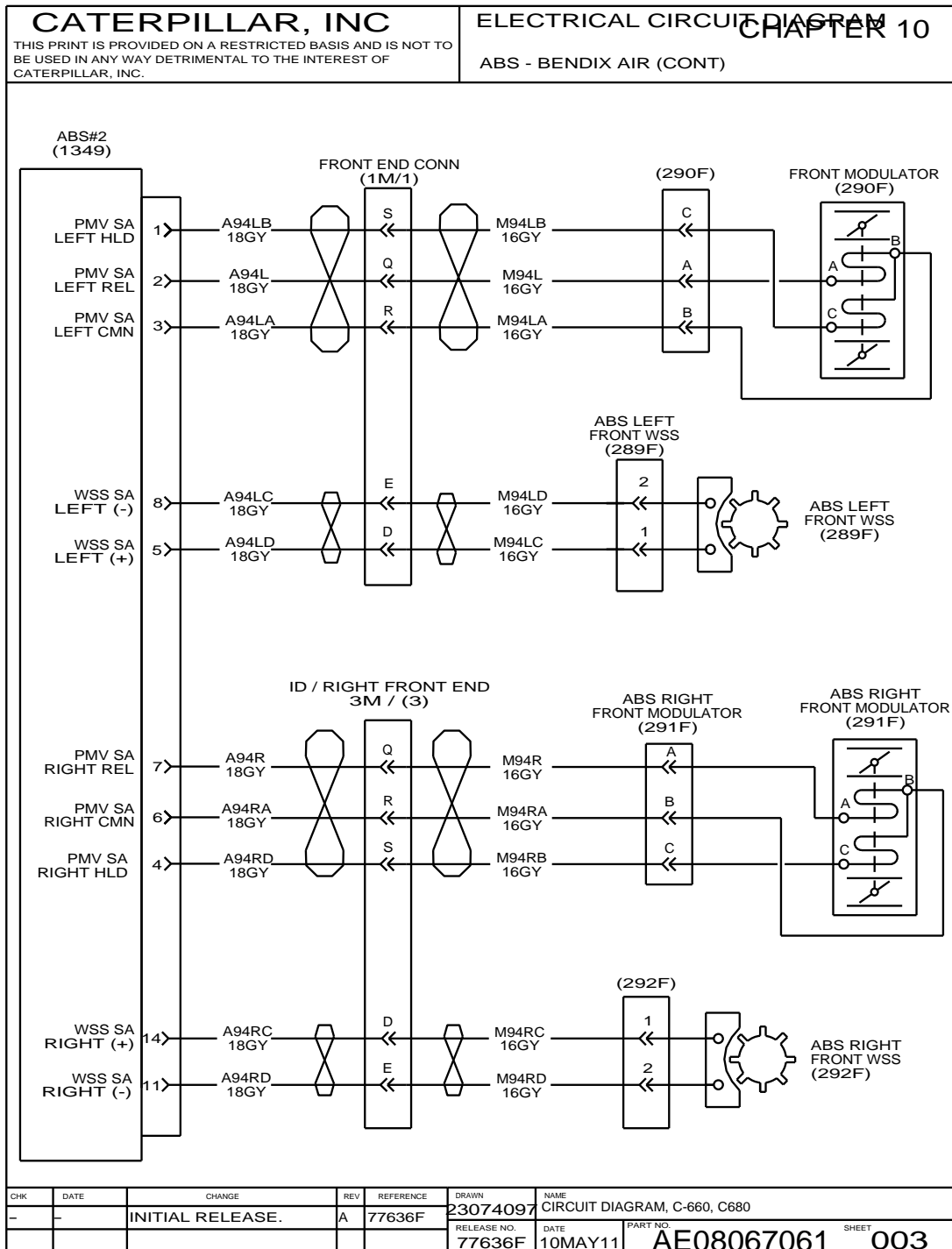
### AIR DRYER AND HEATED DRAIN VALVE, P. 1



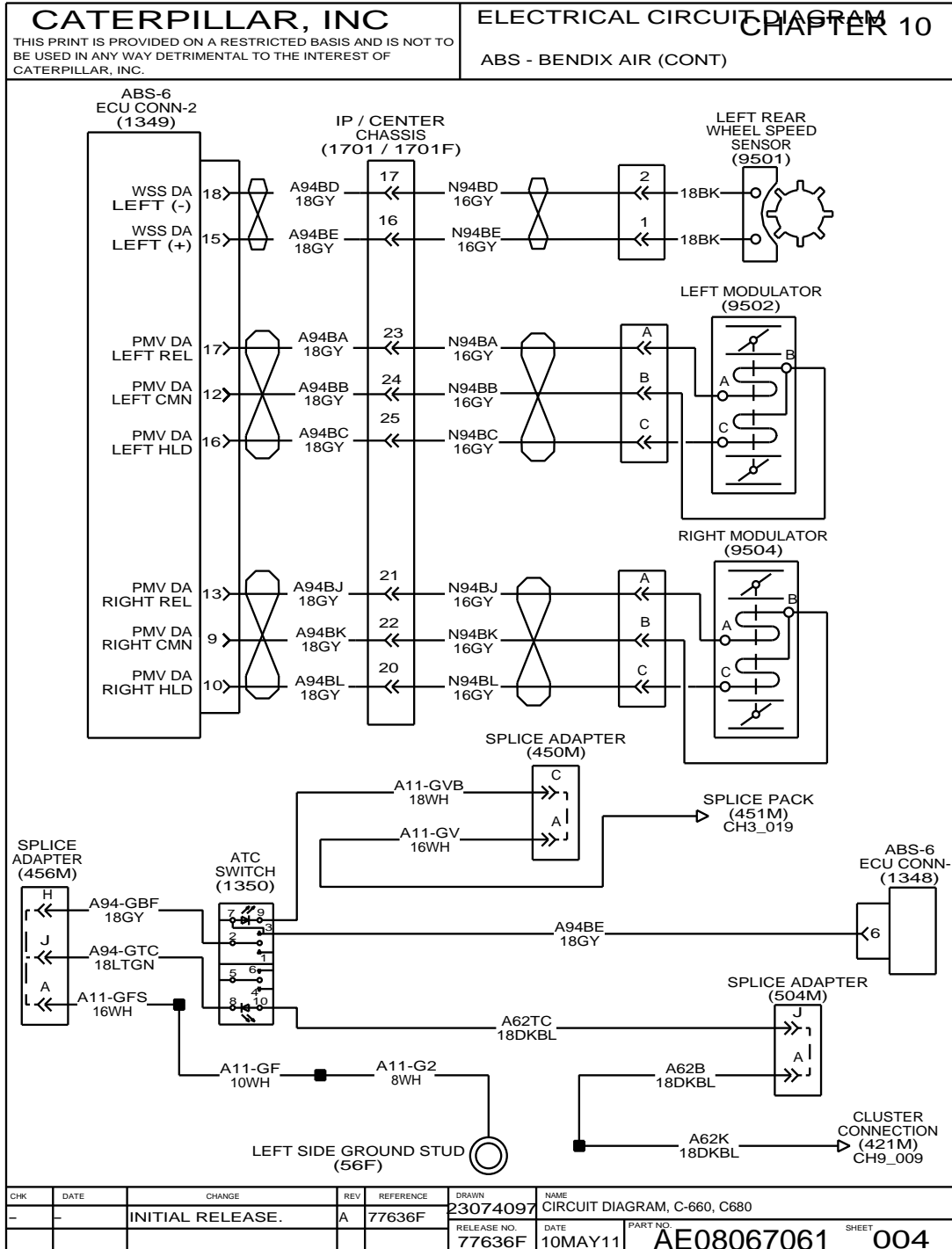
ABS – BENDIX AIR, P. 2



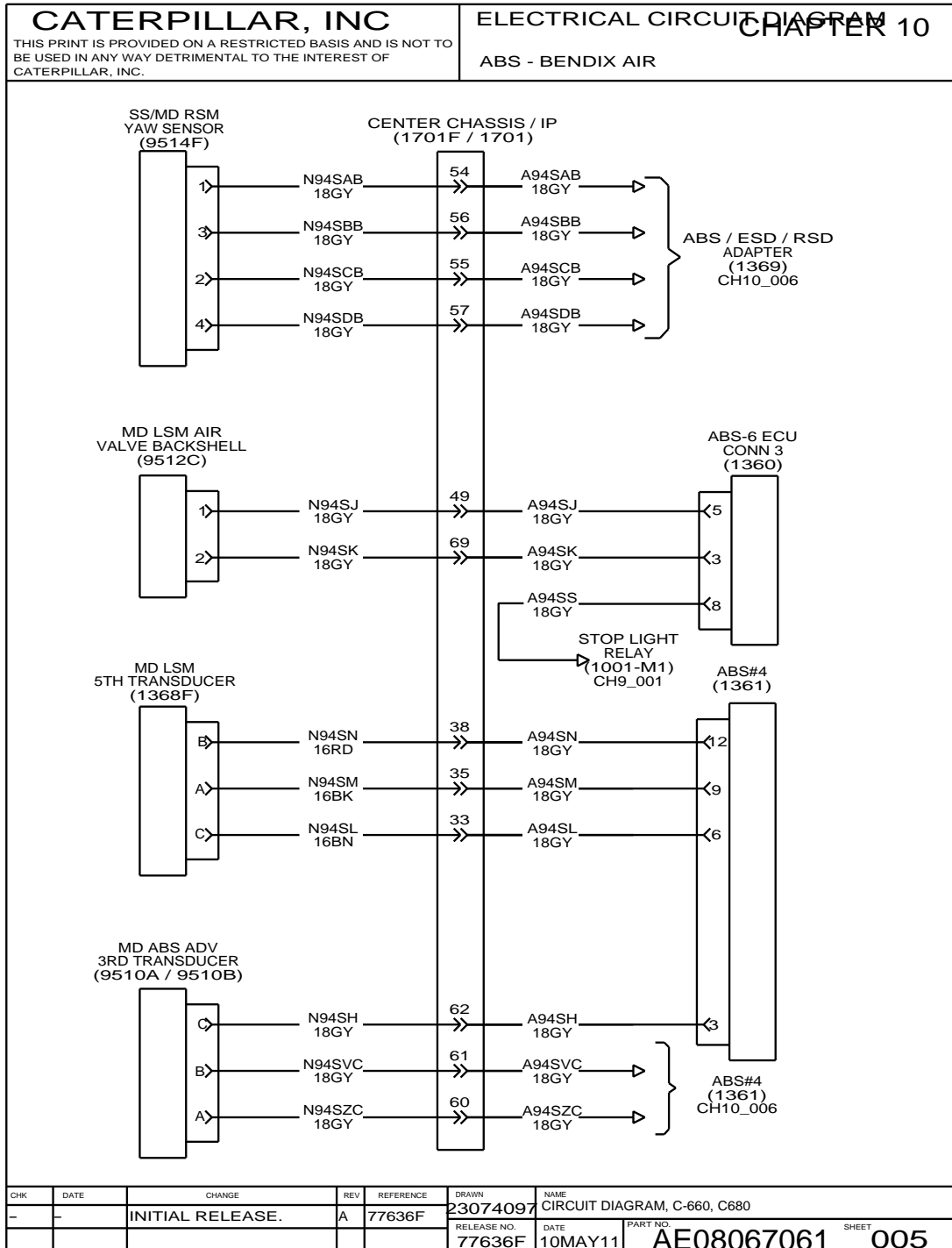
ABS – BENDIX AIR, P. 3



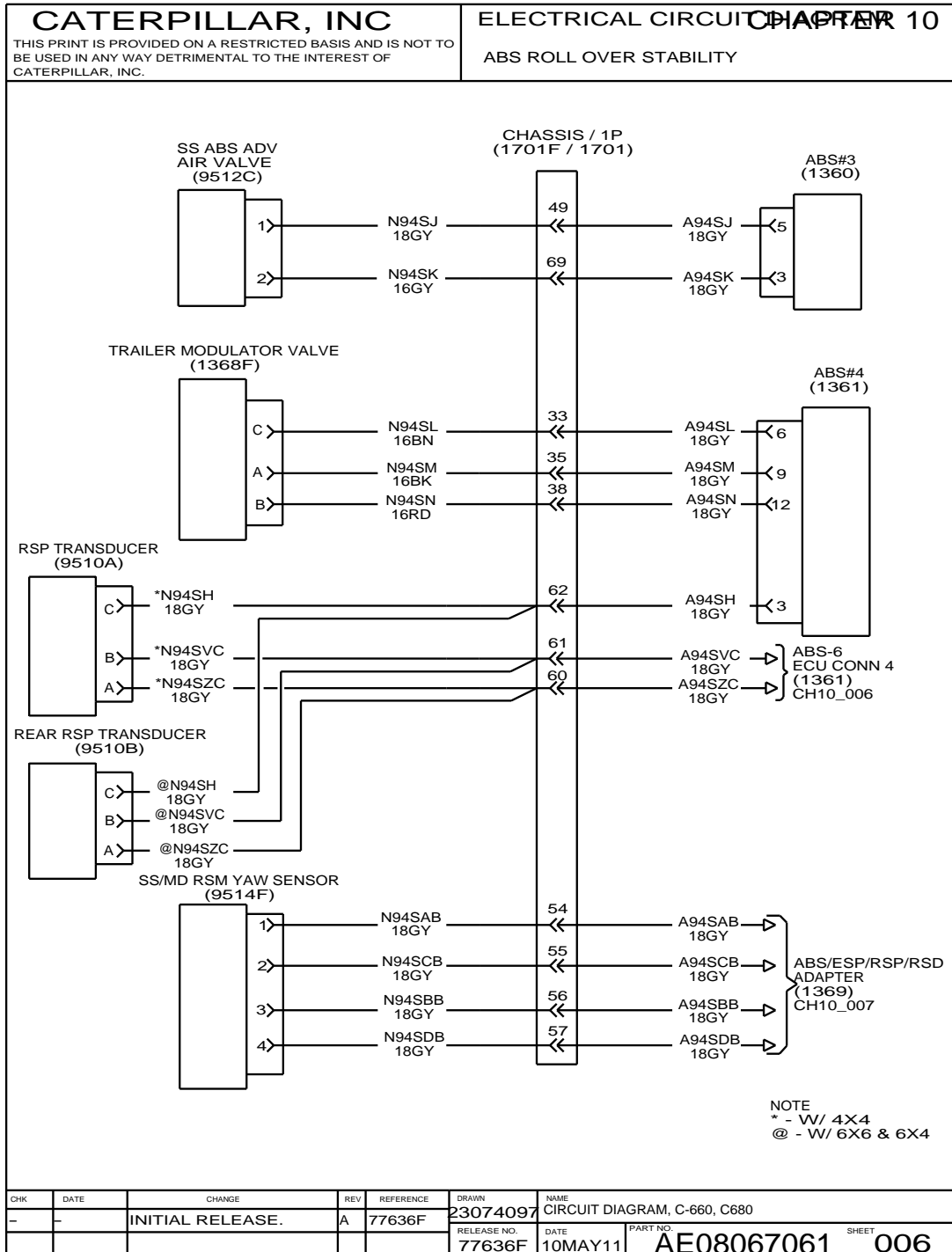
ABS – BENDIX AIR, P. 4



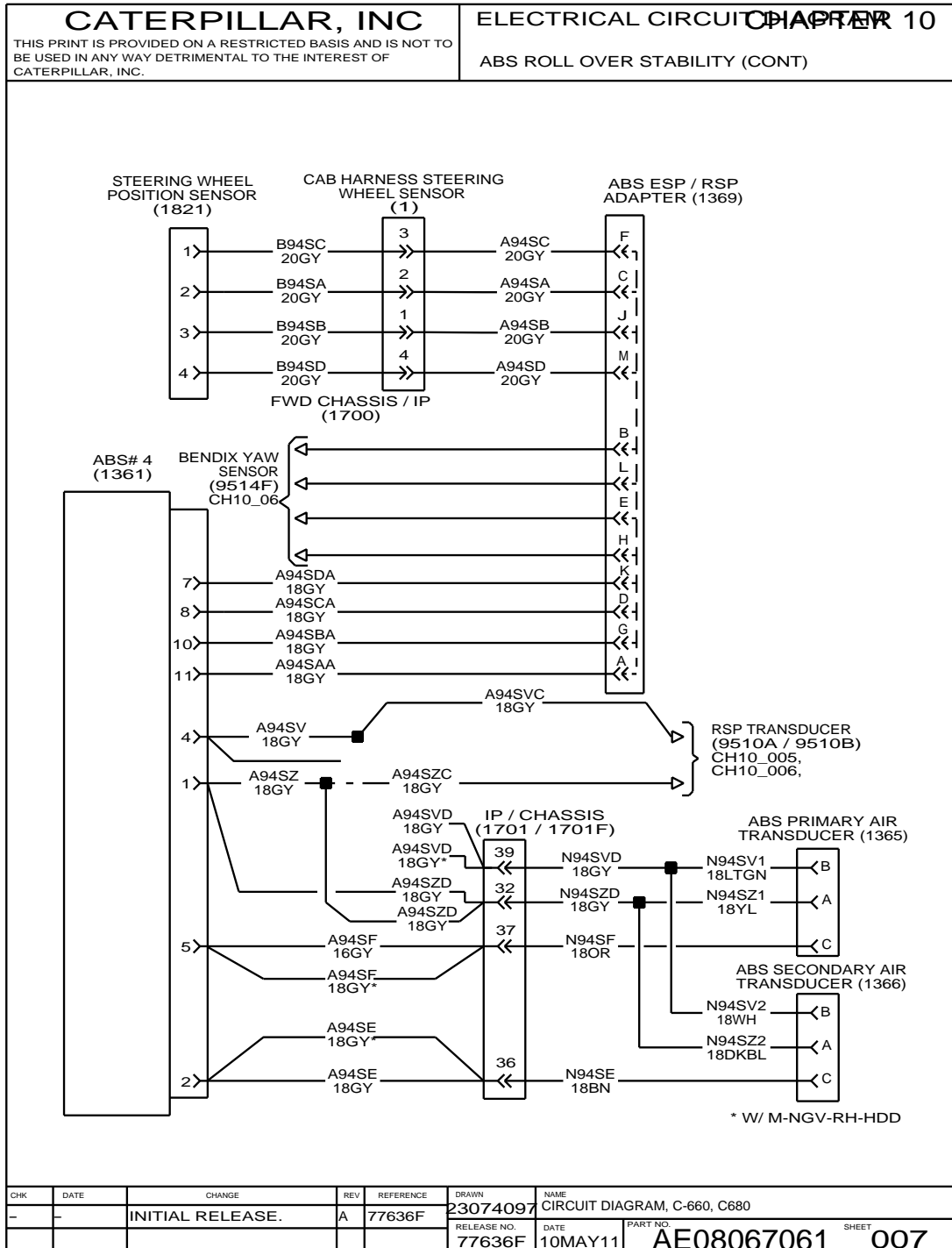
ABS – BENDIX AIR, P. 5



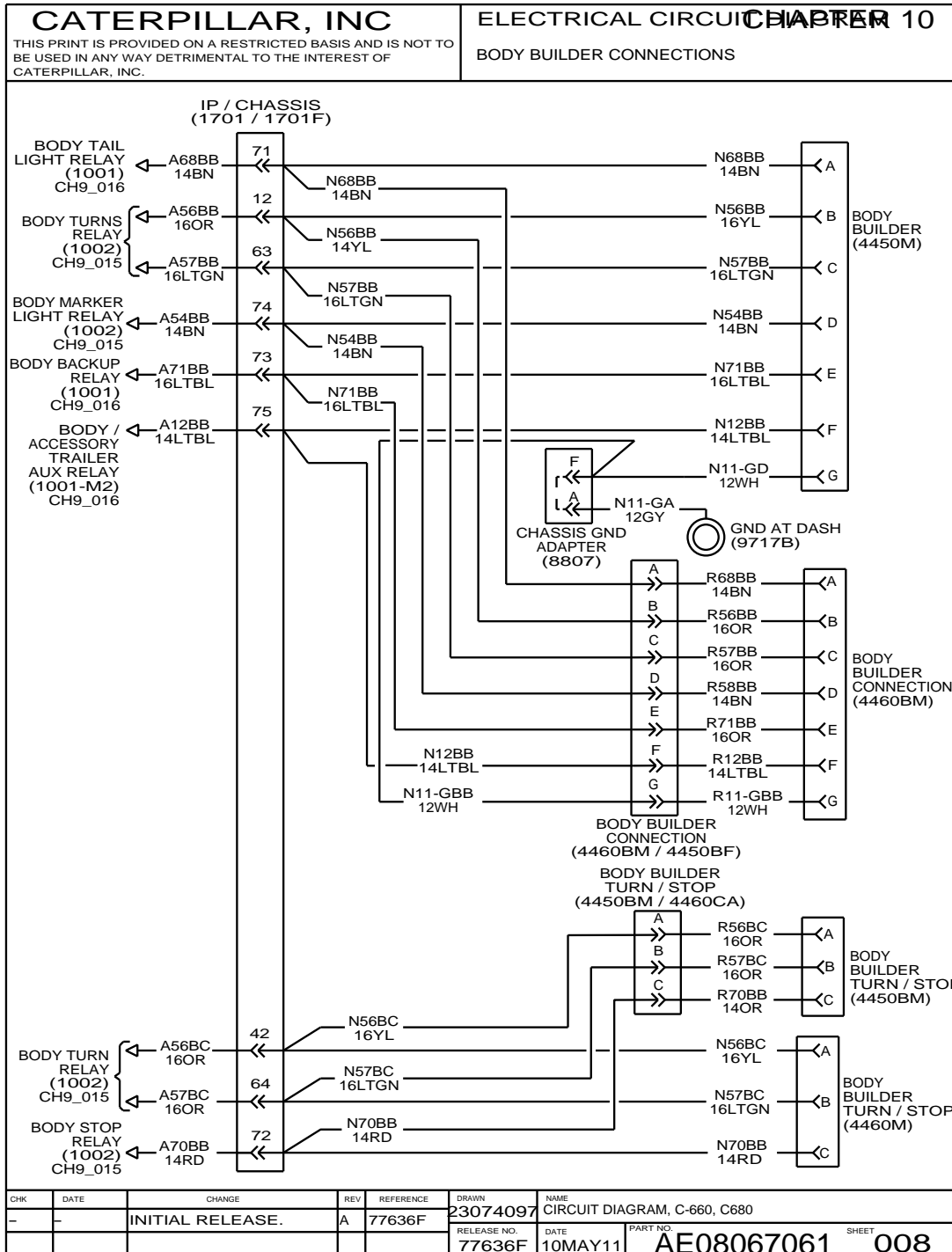
ABS ROLL OVER STABILITY, P. 6



ABS ROLL OVER STABILITY, P. 7

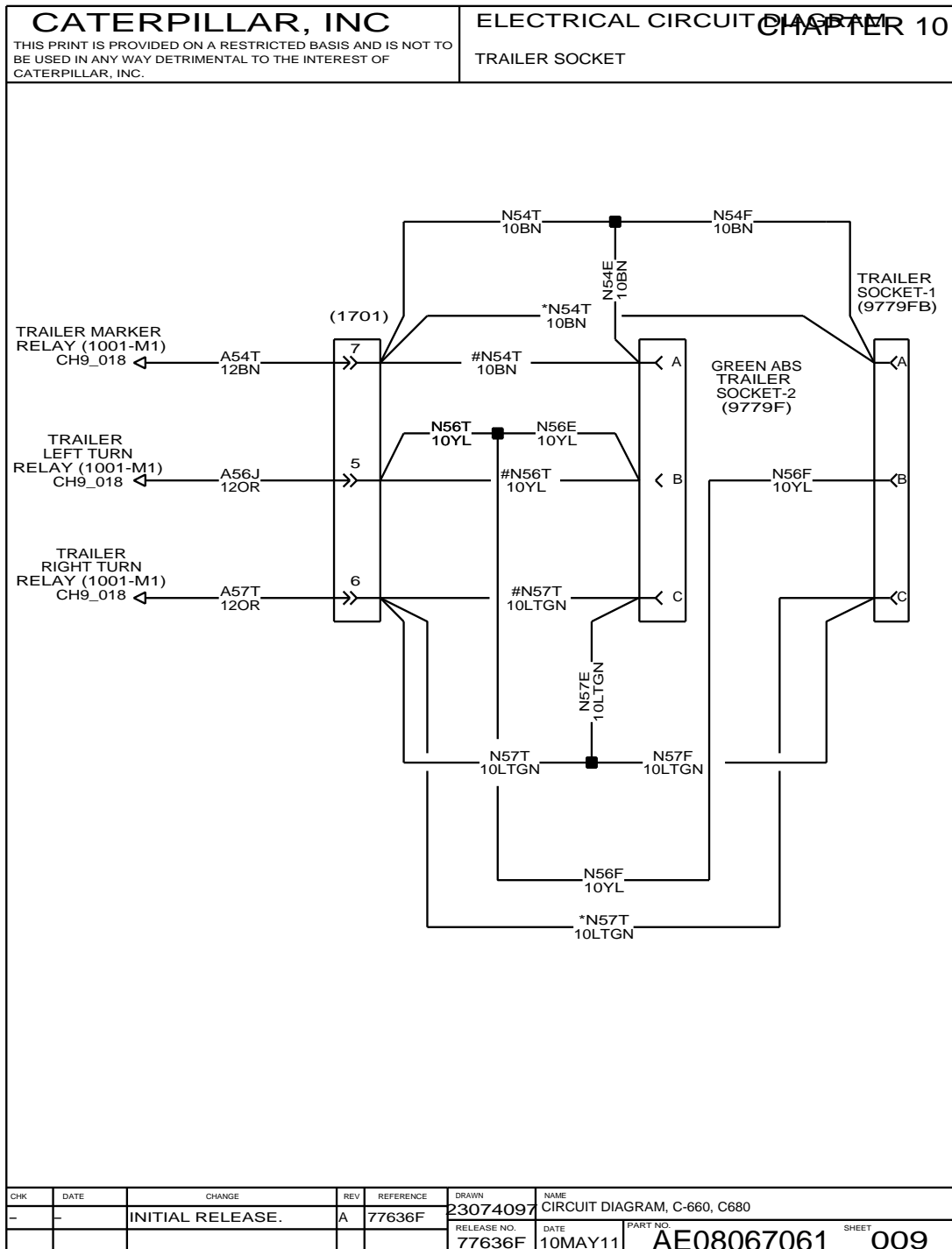


BODY BUILDER CONNECTIONS, P. 8



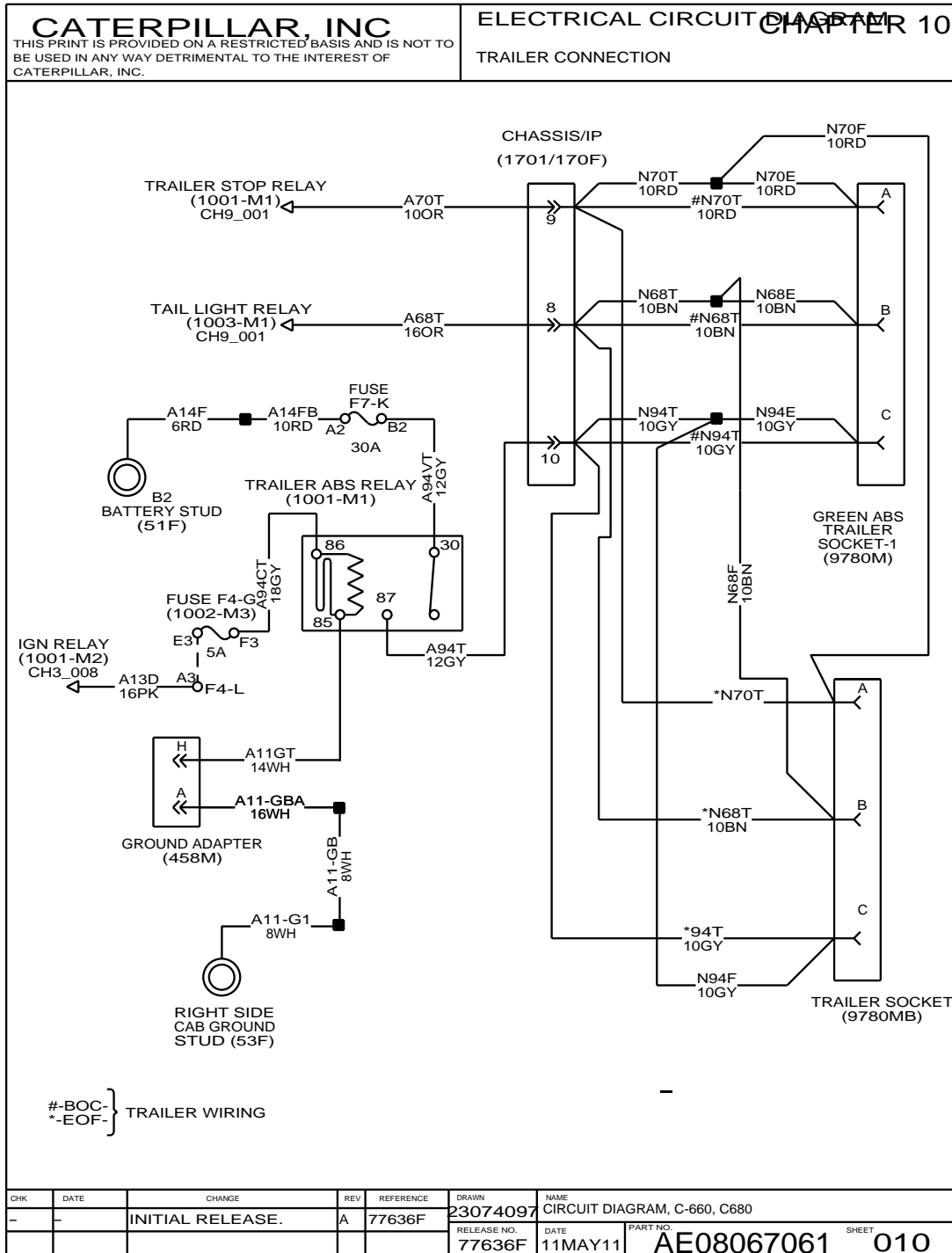


TRAILER SOCKET, P. 9



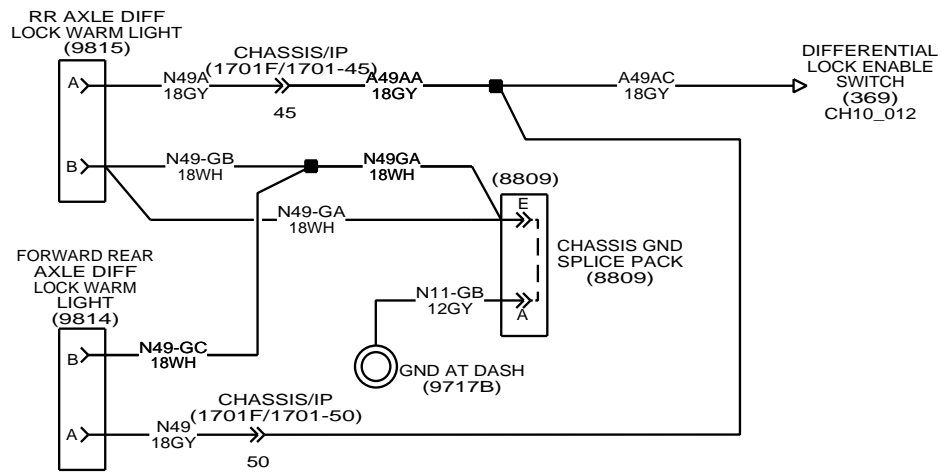
CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
-	-	INITIAL RELEASE.	A	77636F	23074097	CIRCUIT DIAGRAM, C-660, C680
					77636F	10MAY11
						AE08067061
						009

TRAILER CONNECTION, P. 10



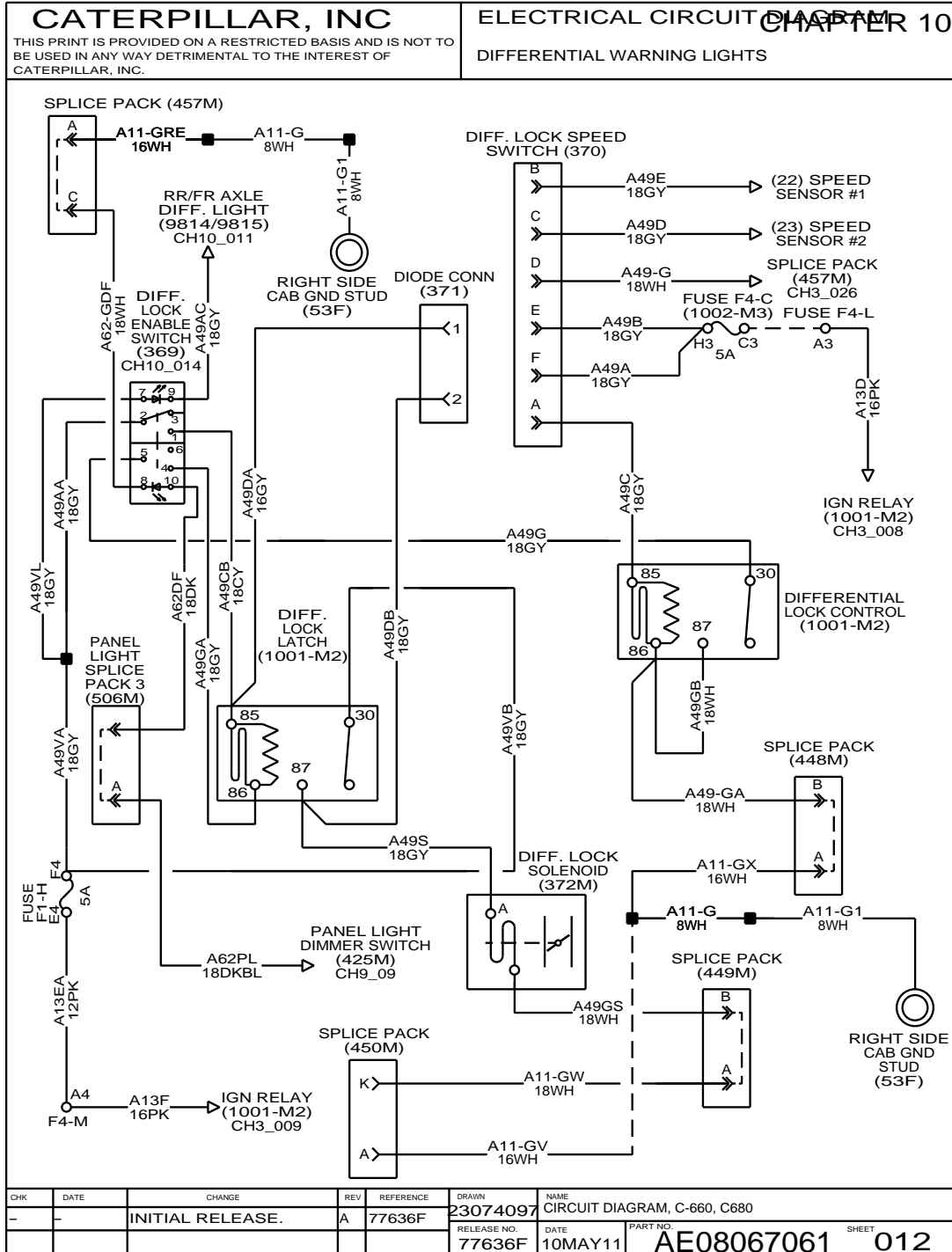
DIFFERENTIAL WARNING LIGHTS, P. 11

<p><b>CATERPILLAR, INC</b>                  THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF CATERPILLAR, INC.</p>	<p><b>ELECTRICAL CIRCUIT DIAGRAM</b>  <b>CHAPTER 10</b>                  DIFFERENTIAL WARNING LIGHTS</p>
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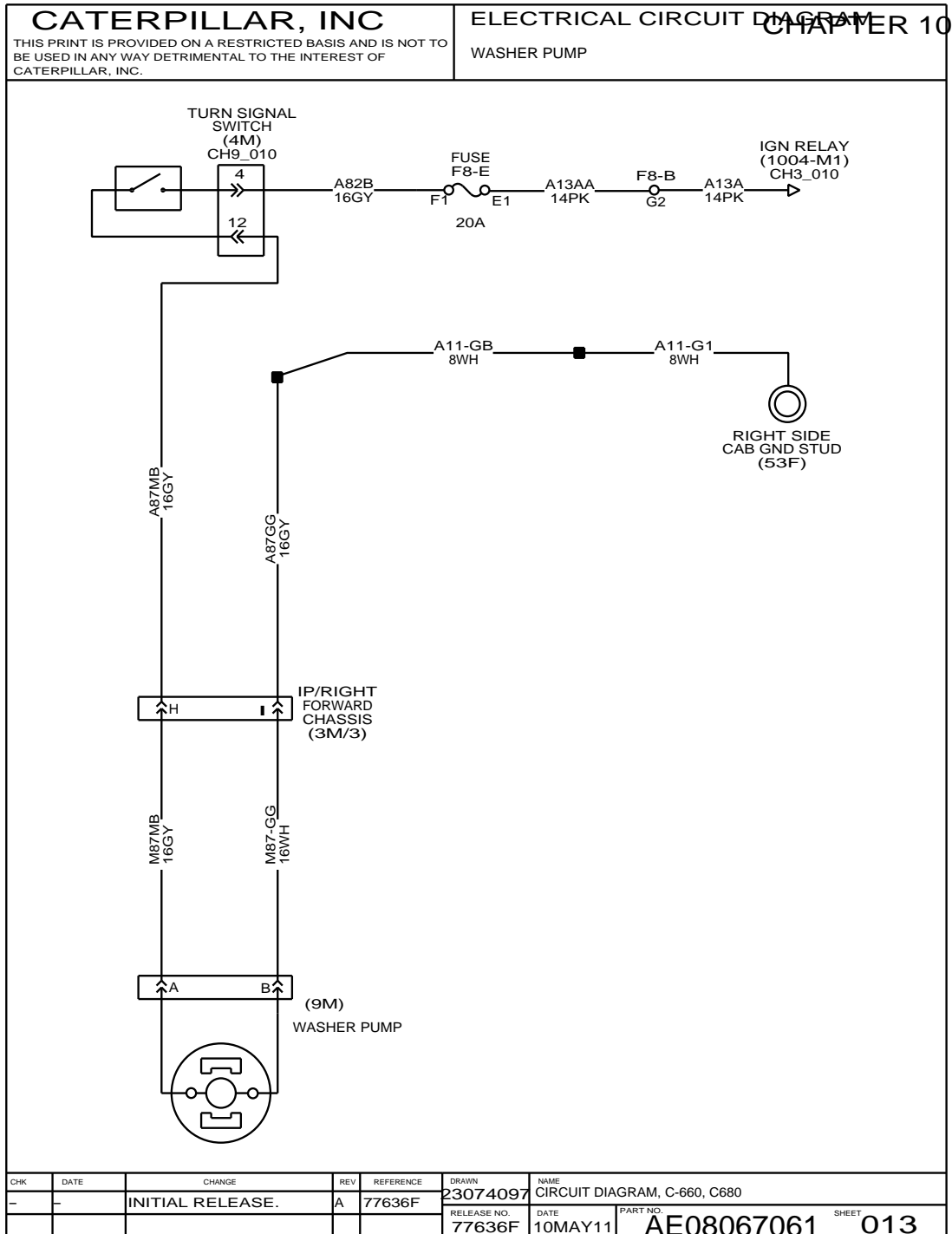


CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
-	-	INITIAL RELEASE.	A	77636F	23074097	CIRCUIT DIAGRAM, C-660, C680
					RELEASE NO. 77636F	DATE 10MAY11
						PART NO. AE08067061
						SHEET 011

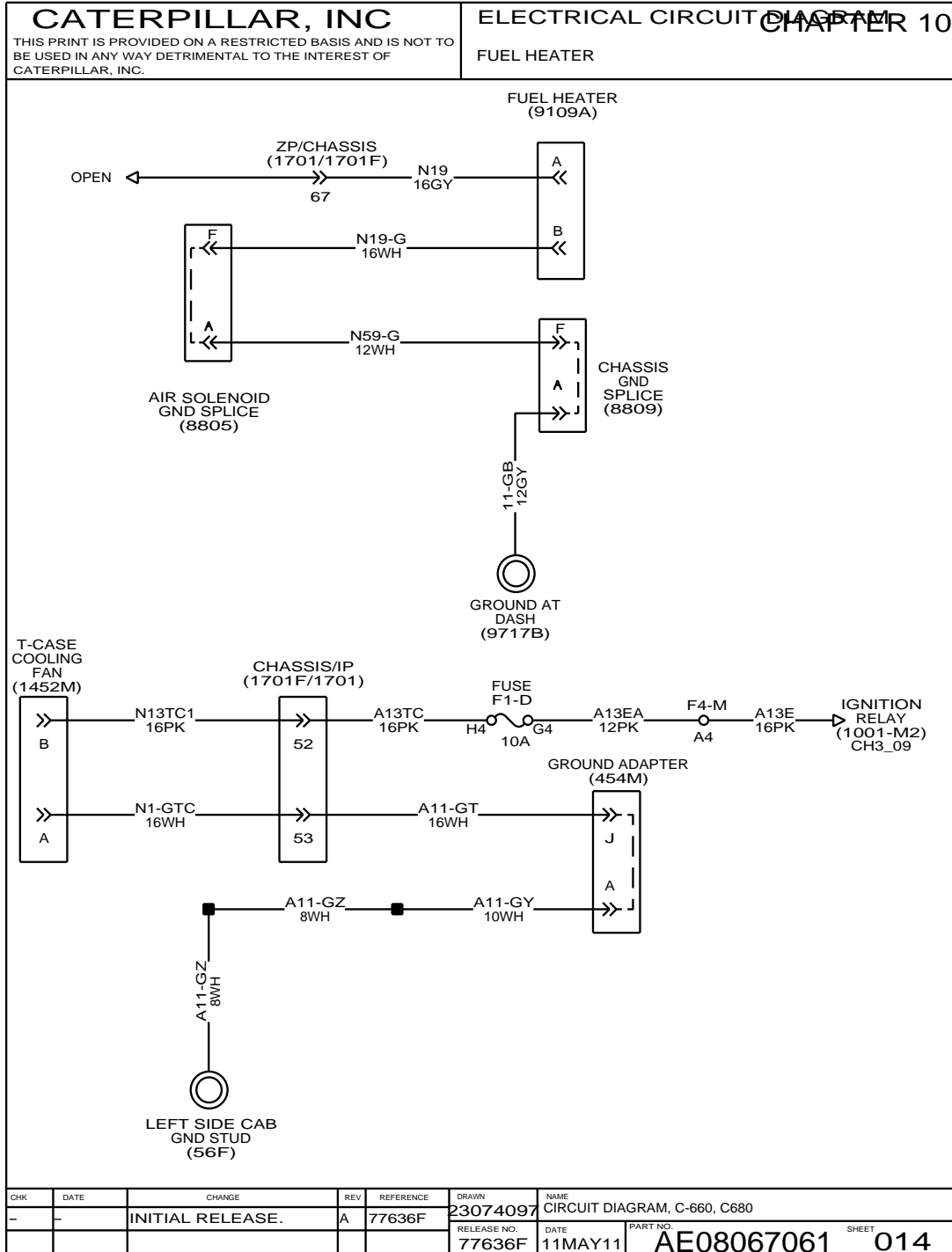
DIFFERENTIAL WARNING LIGHTS, P. 12



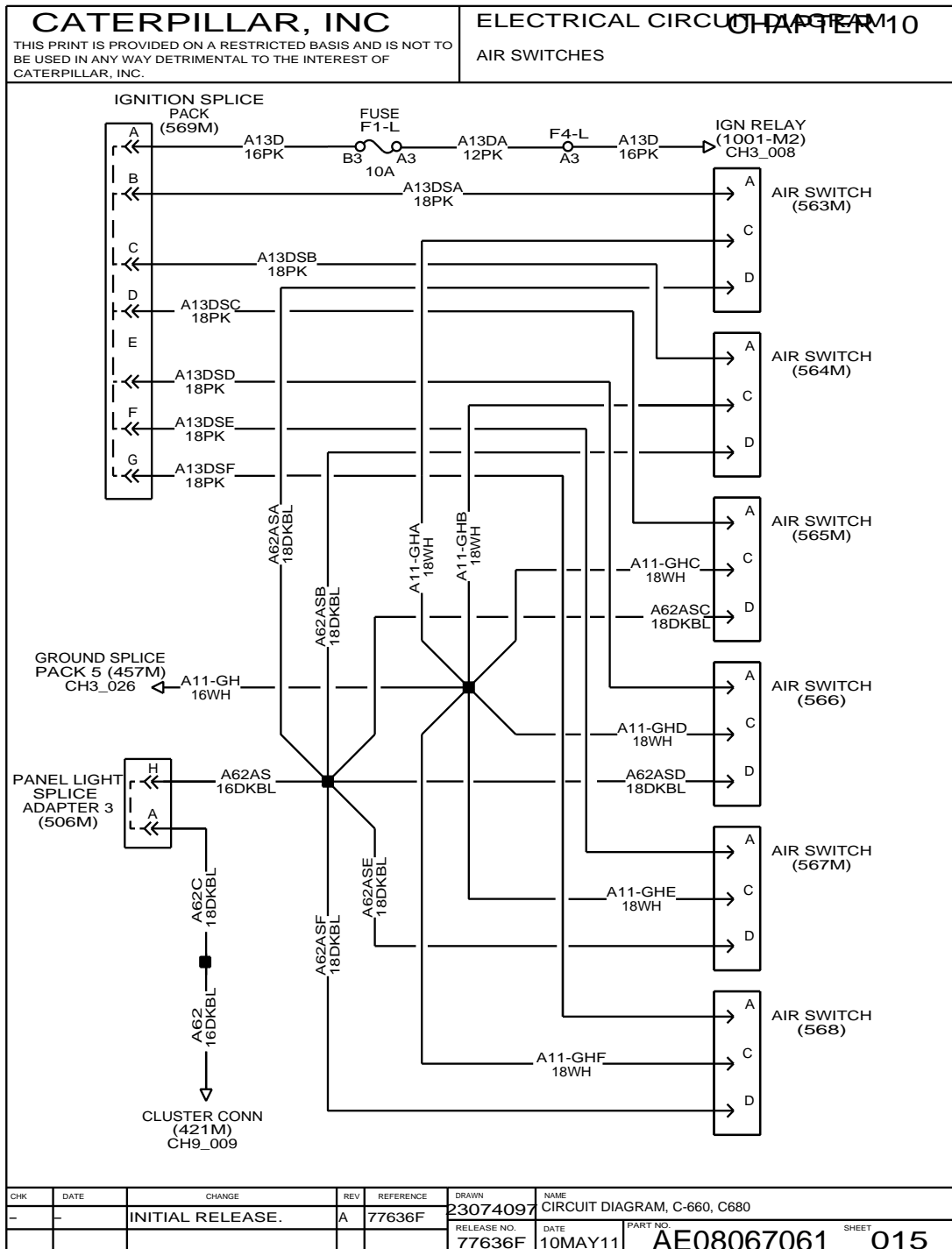
WARNING PUMP, P. 13



FUEL HEATER, P. 14

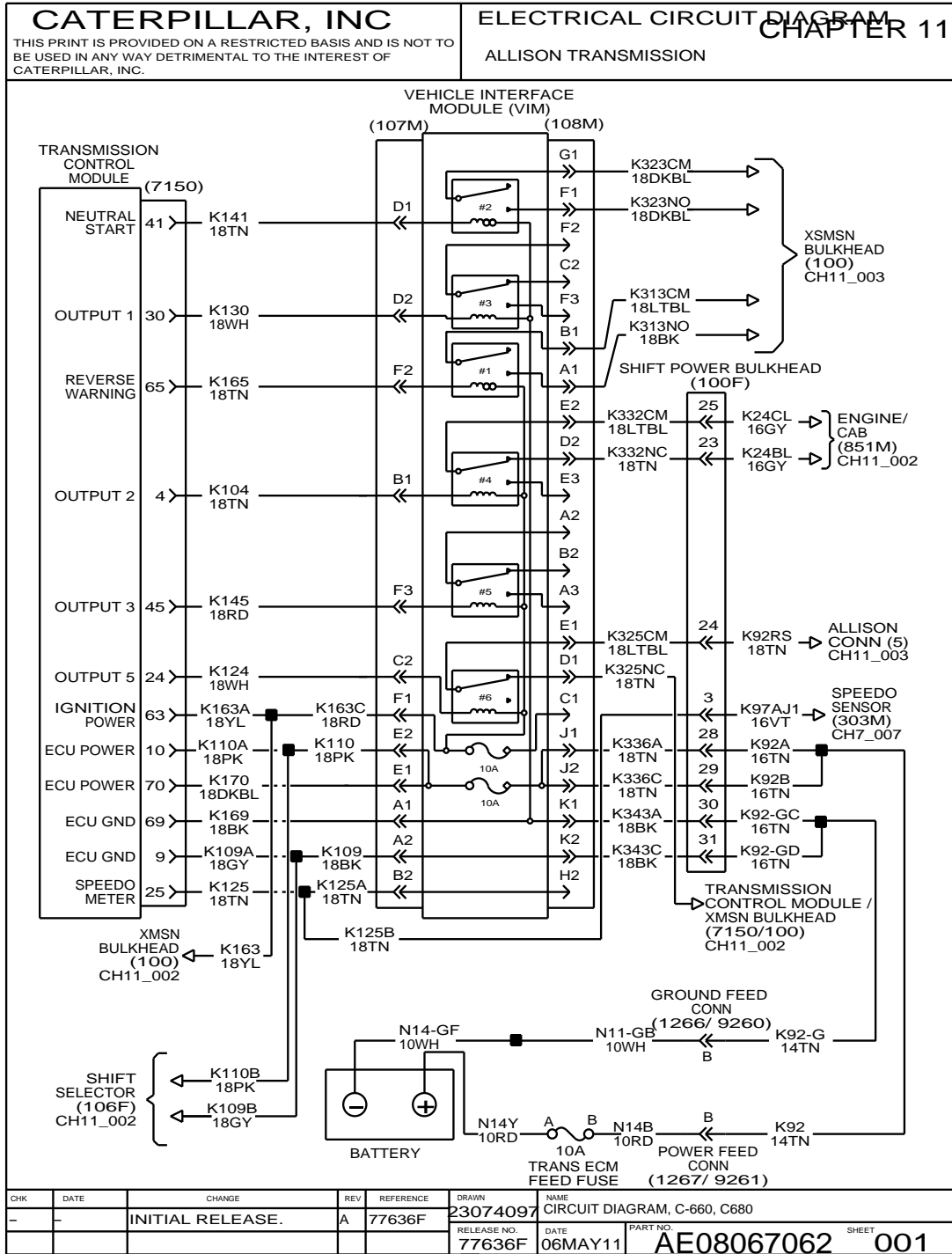


AIR SWITCHES, P. 15



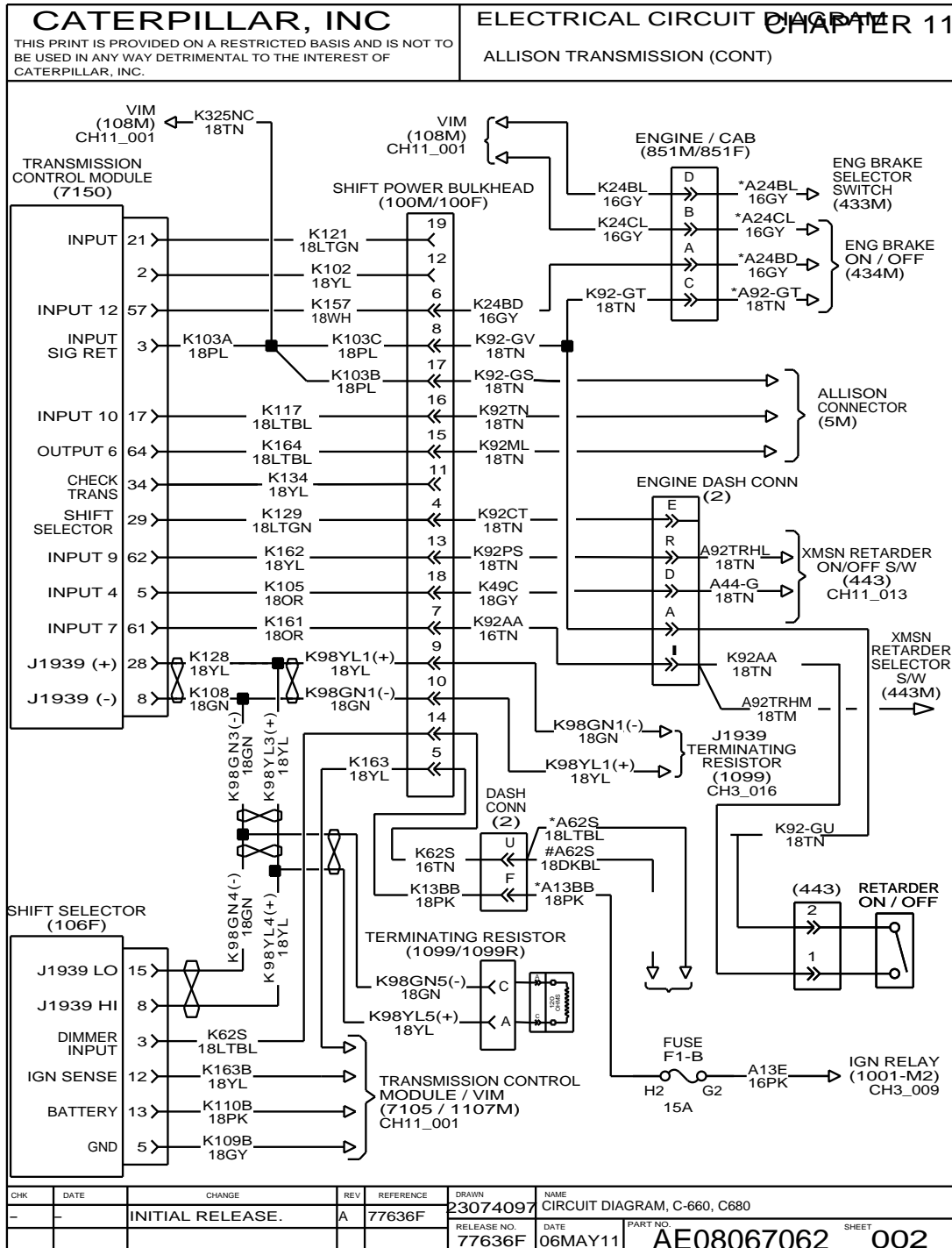
# TRANSMISSION CONTROL MODULE (CHAPTER 11)

## ALLISON TRANSMISSION, P. 1

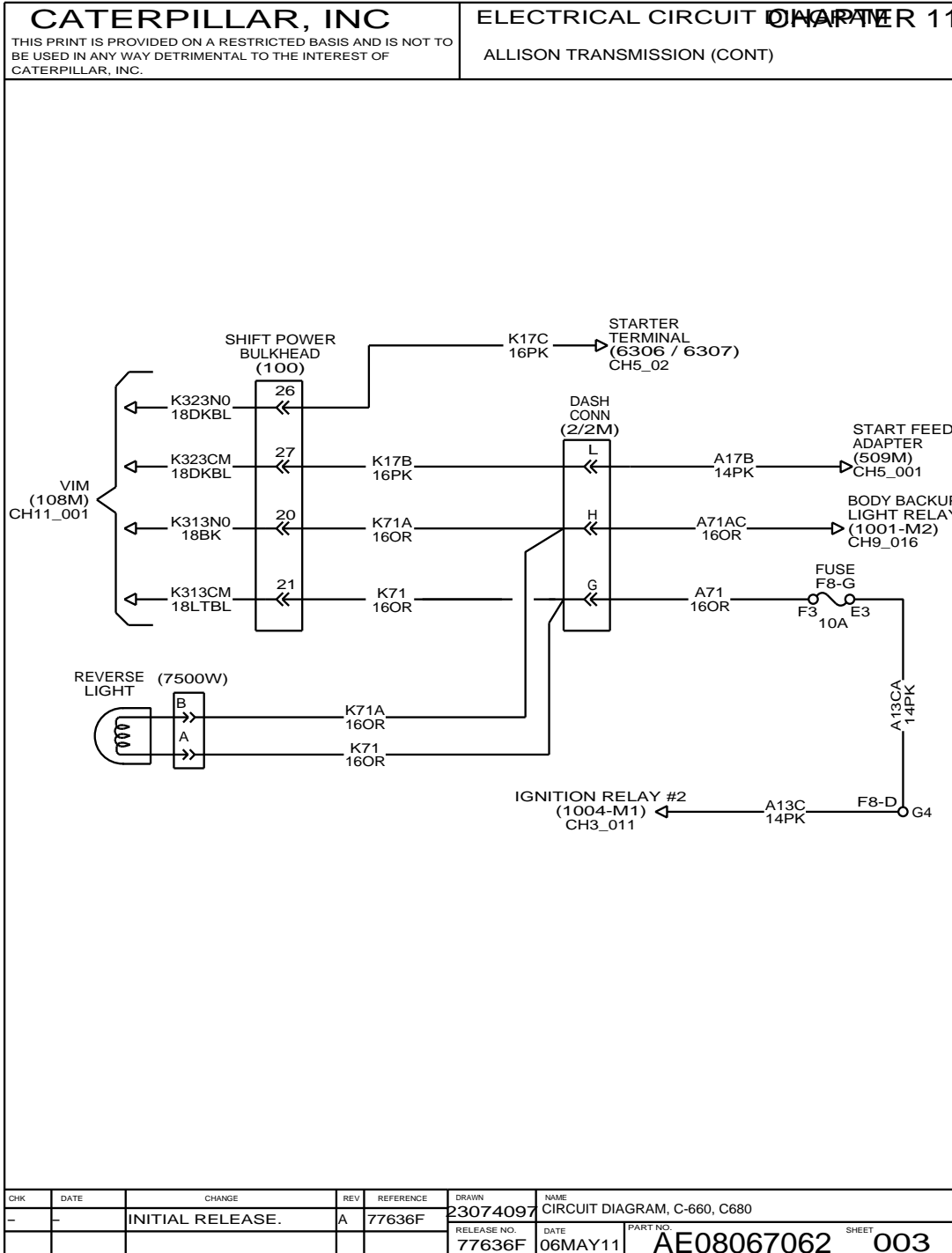




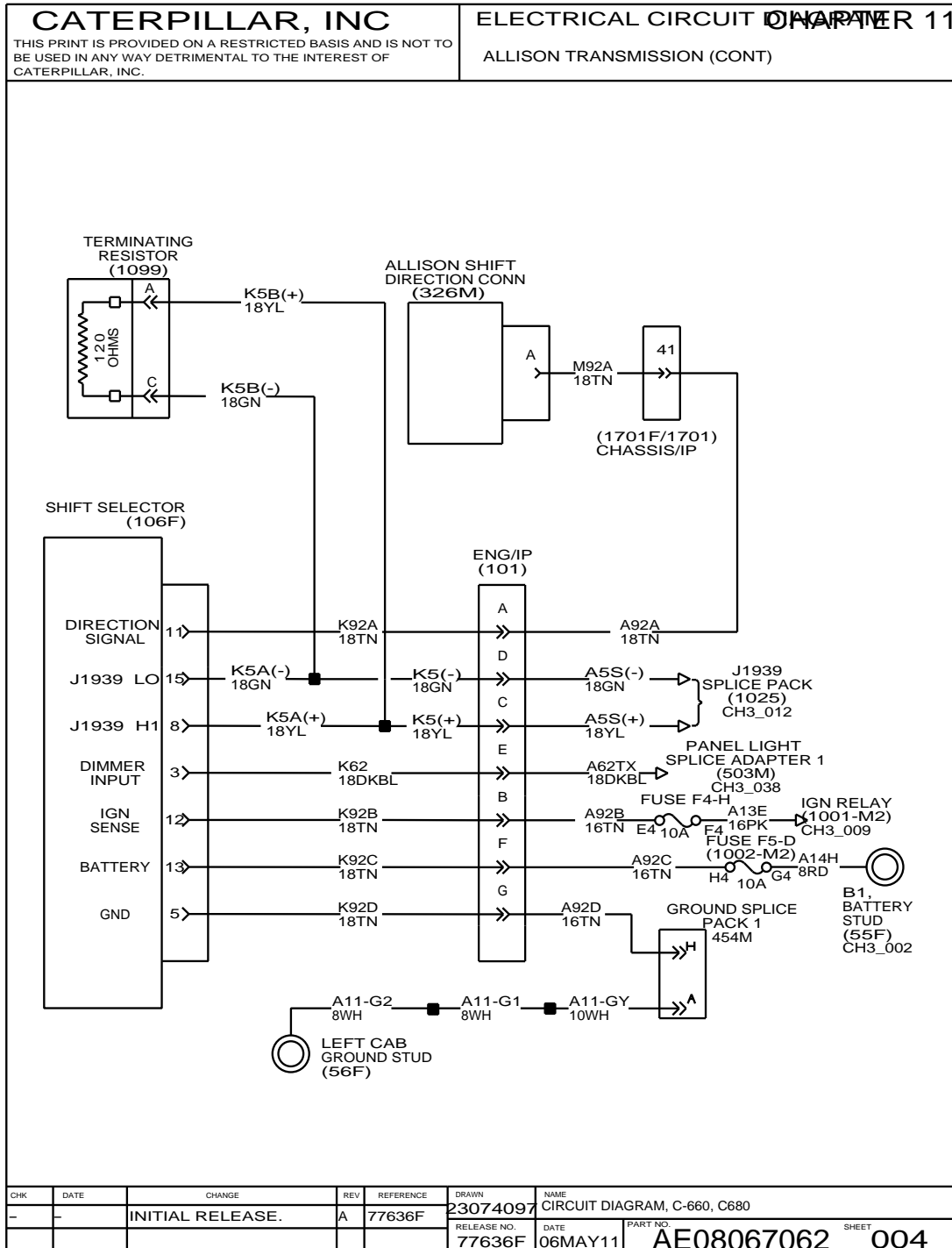
ALLISON TRANSMISSION, P. 2



ALLISON TRANSMISSION, P. 3

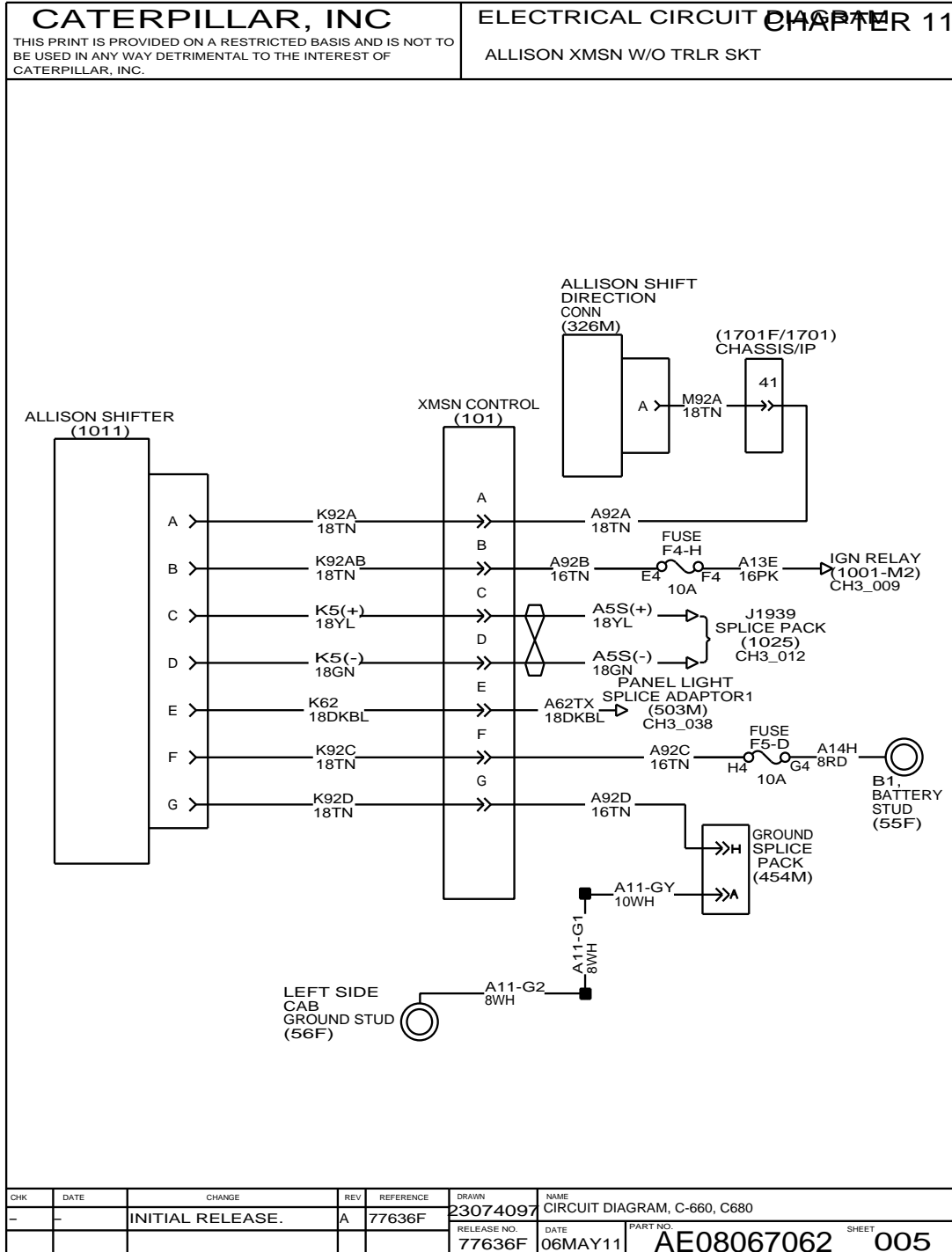


ALLISON TRANSMISSION, P. 4

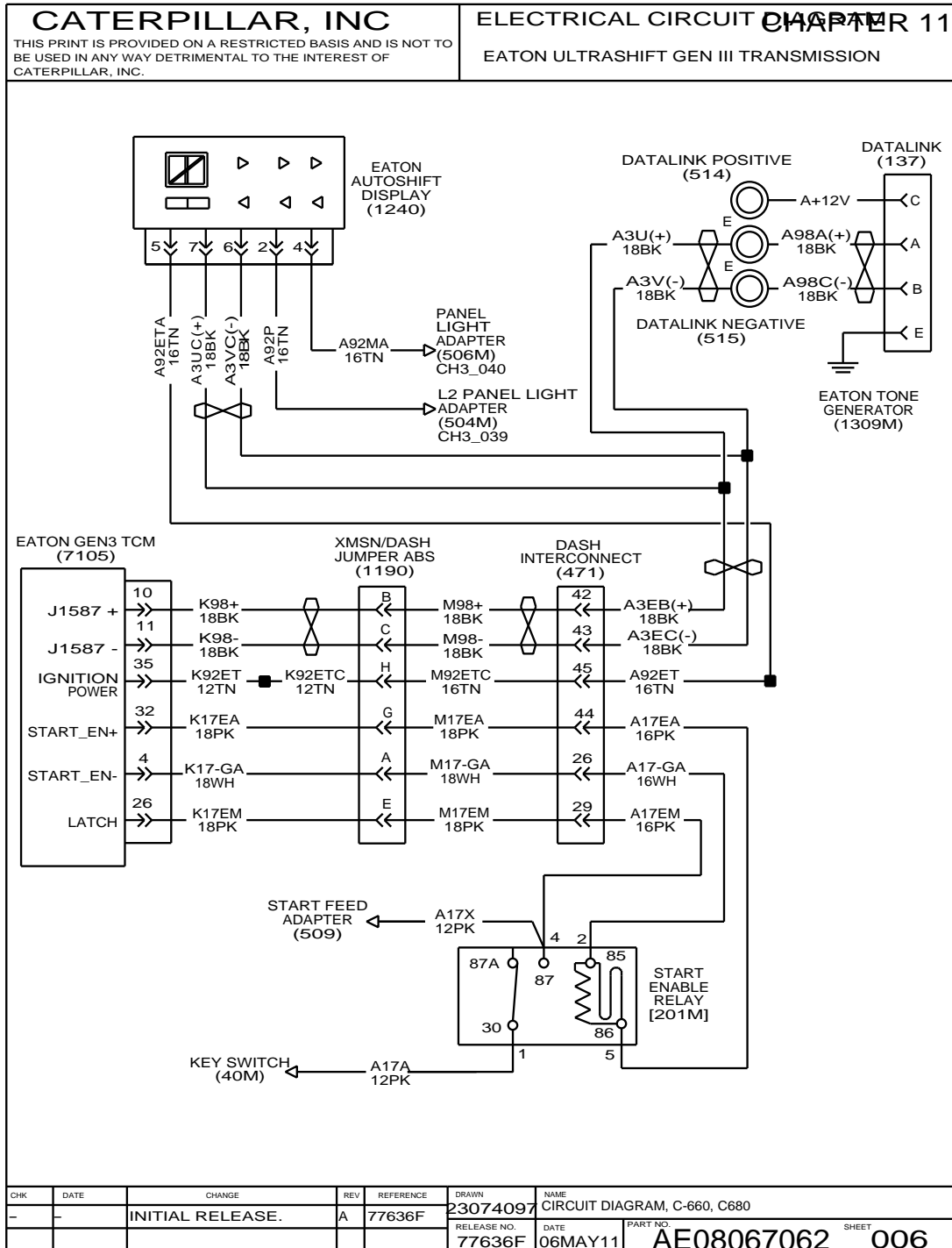


CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
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					RELEASE NO. 77636F	DATE 06MAY11
						PART NO. AE08067062
						SHEET 004

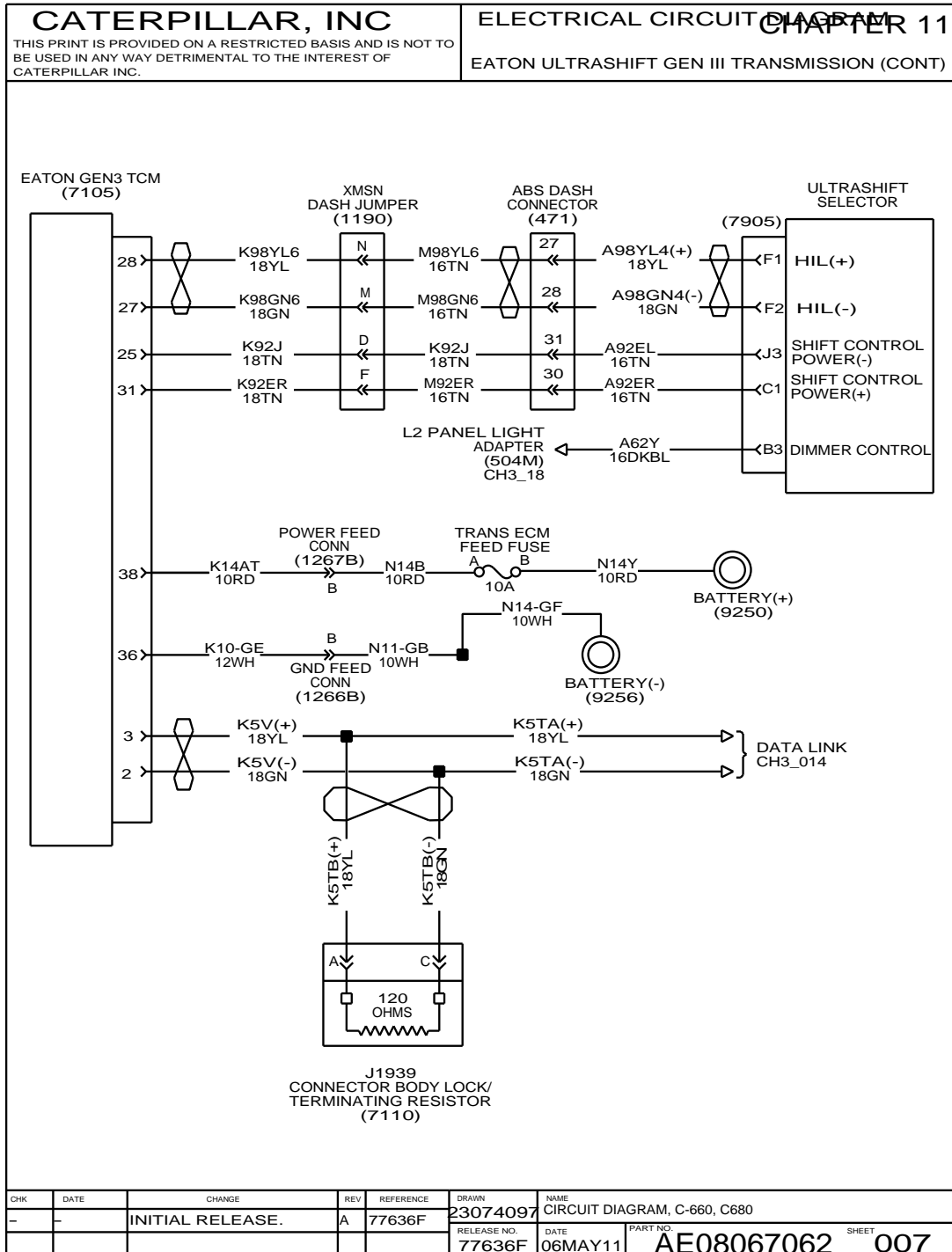
ALLISON XMSN W/O TRLR SKT, P. 5



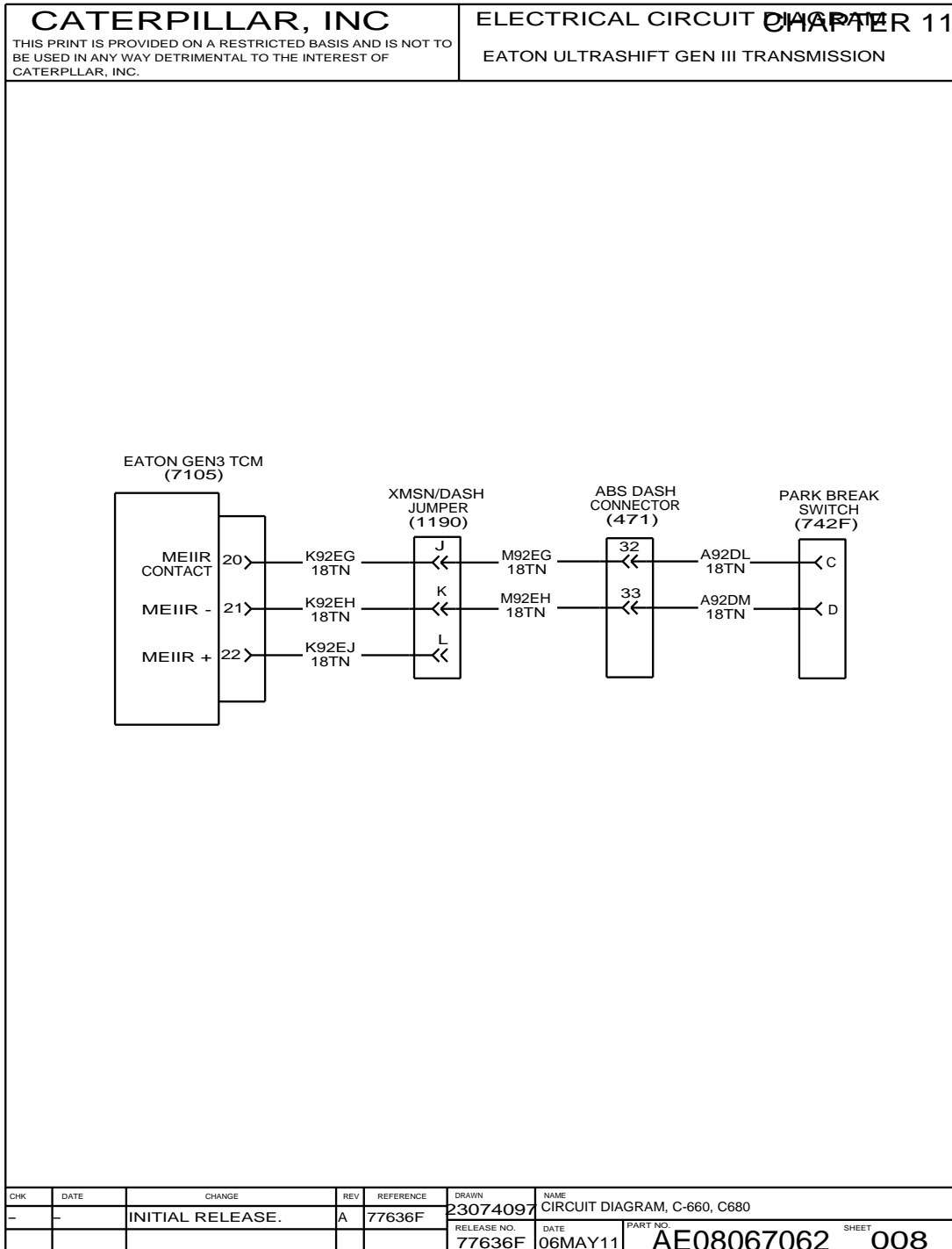
EATON ULTRASHIFT GEN III TRANSMISSION, P. 6



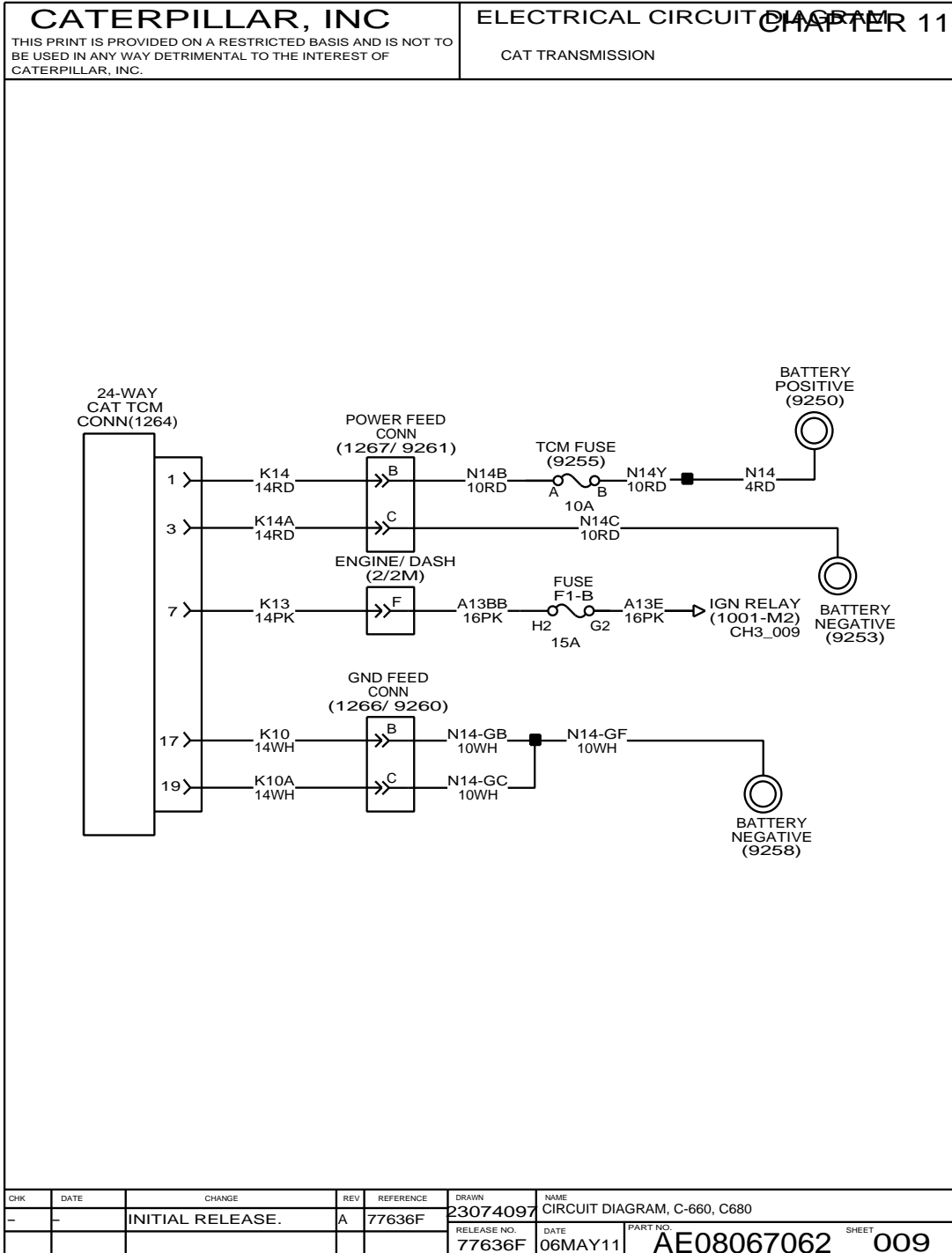
EATON ULTRASHIFT GEN III TRANSMISSION, P. 7



EATON ULTRASHIFT GEN III TRANSMISSION, P. 8

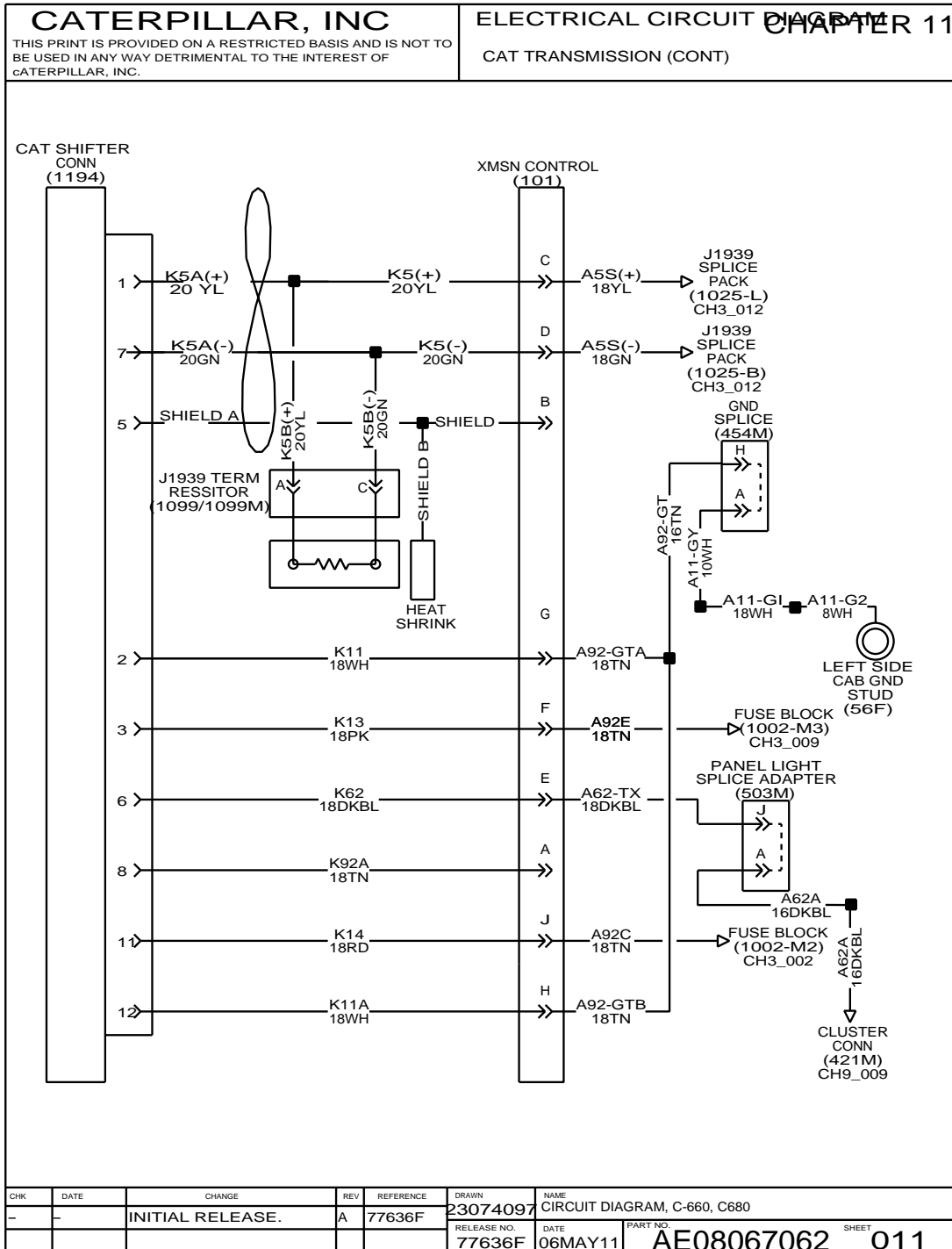


CAT TRANSMISSION, P. 9

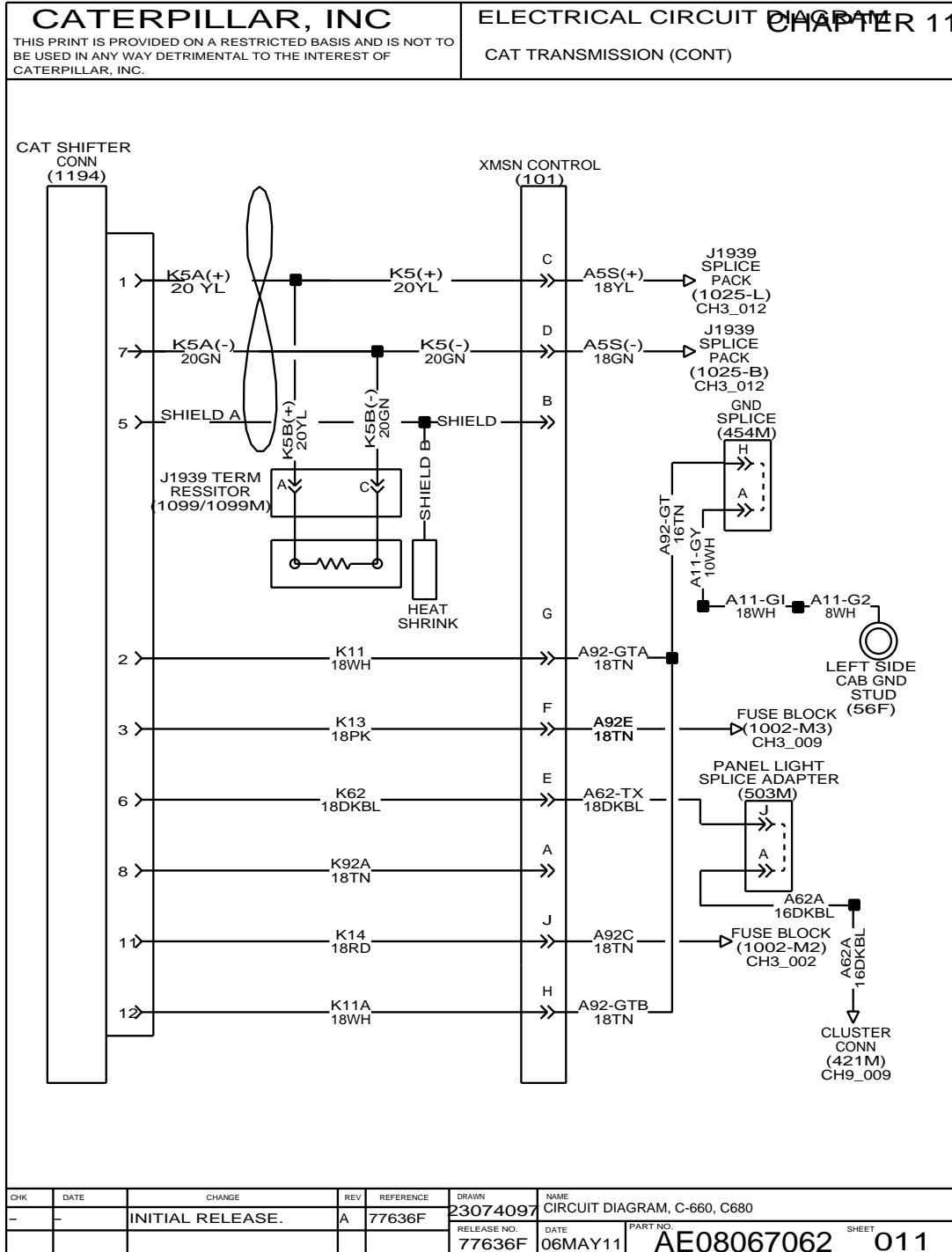




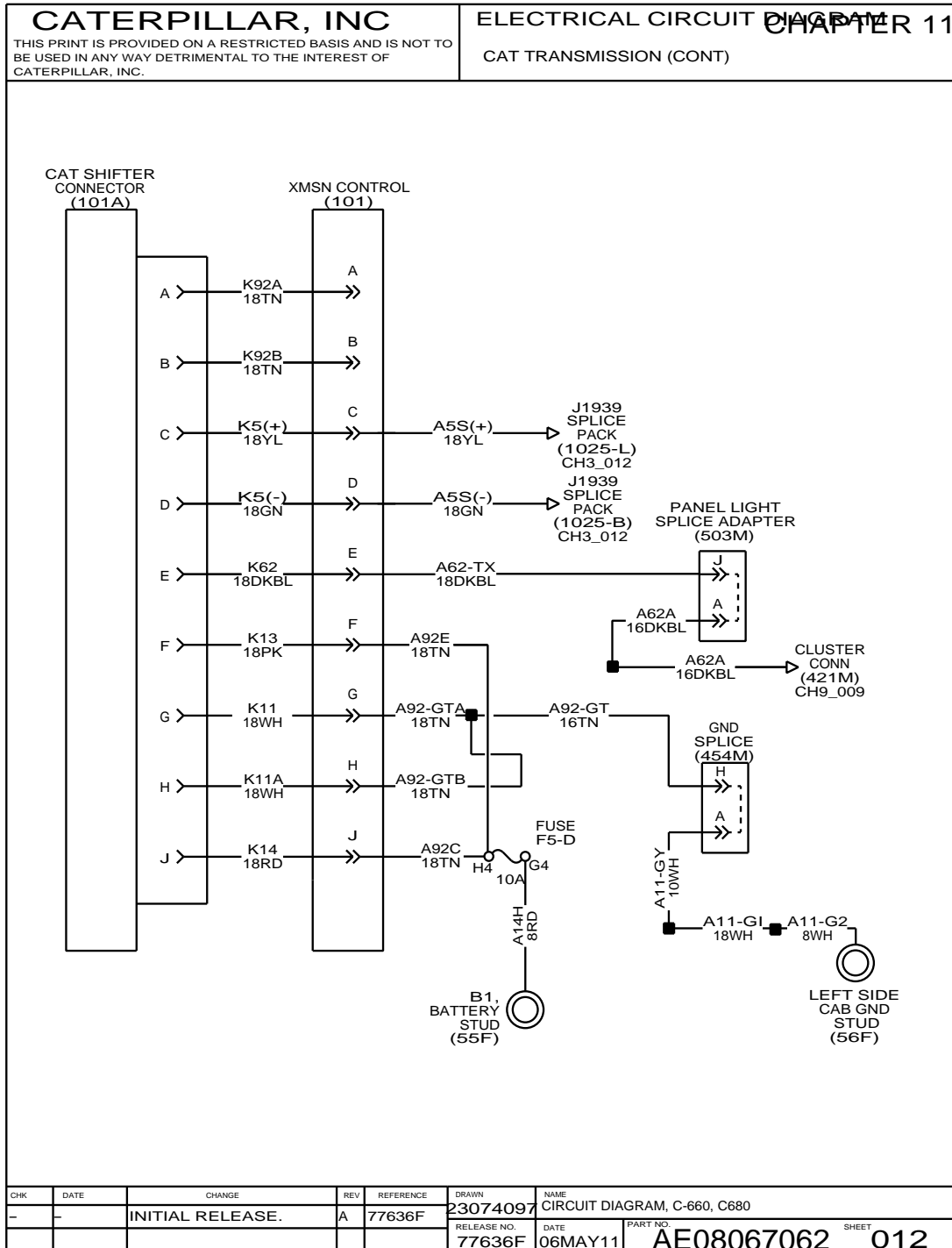
CAT TRANSMISSION, P. 10



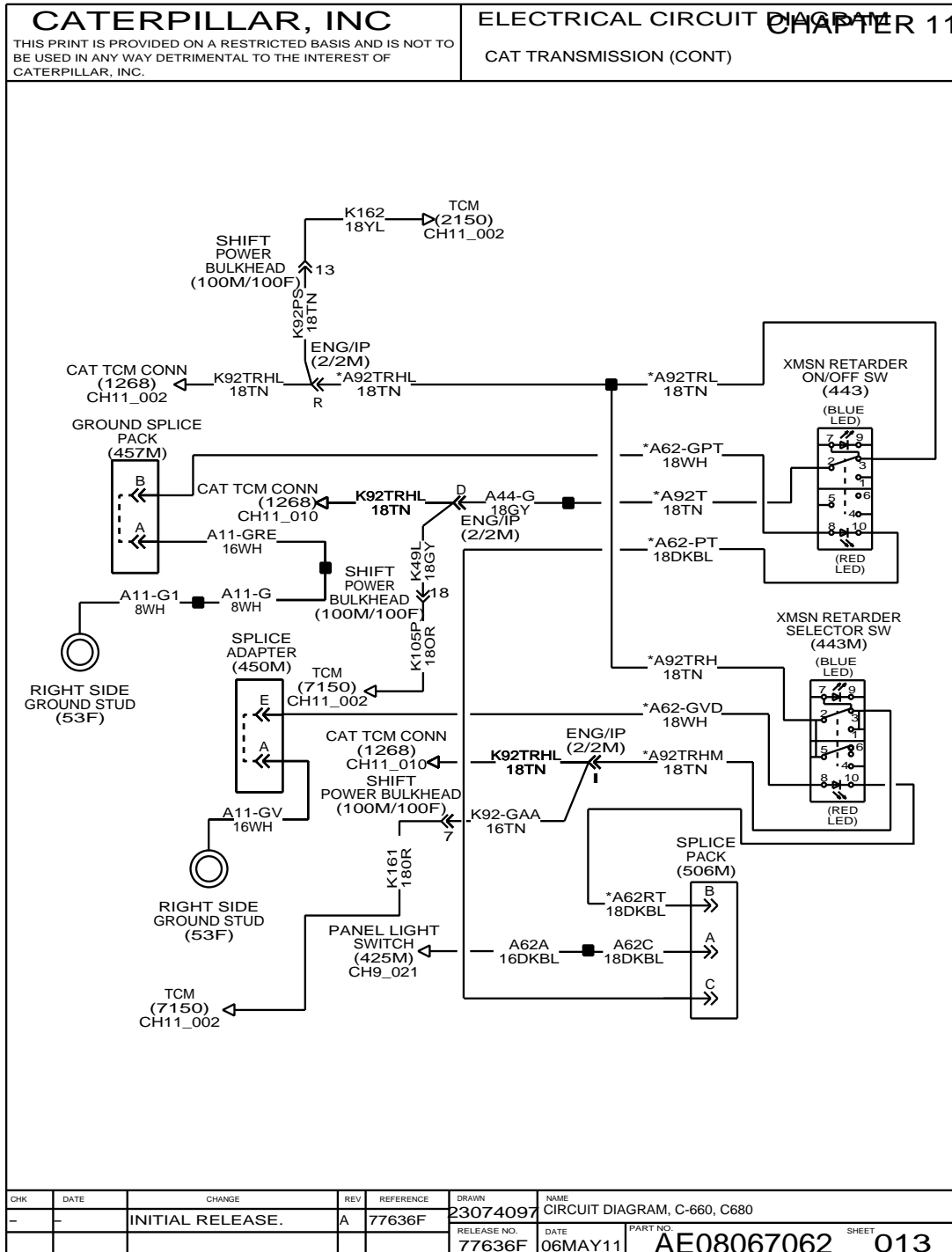
CAT TRANSMISSION, P. 11



CAT TRANSMISSION, P. 12

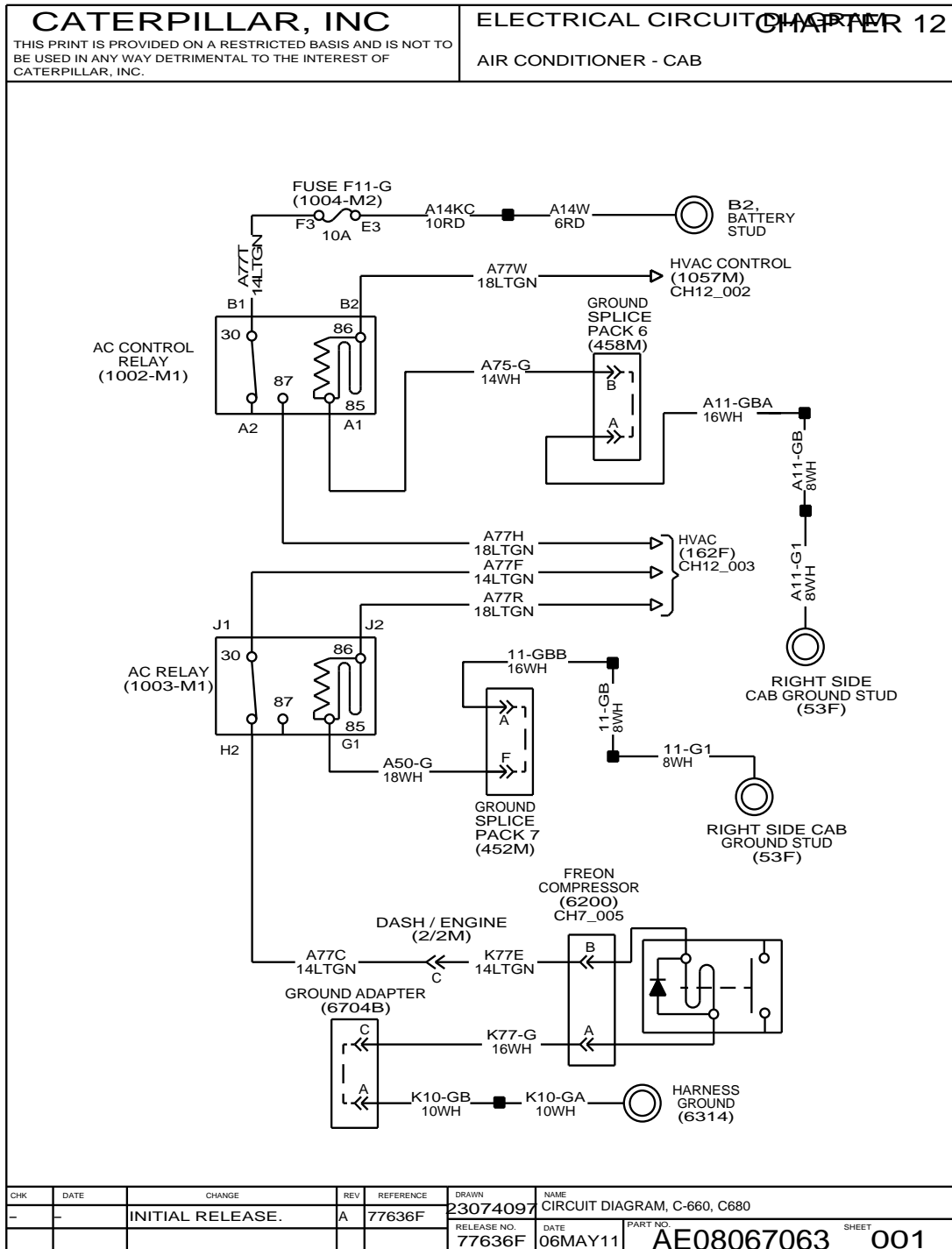


CAT TRANSMISSION, P. 13

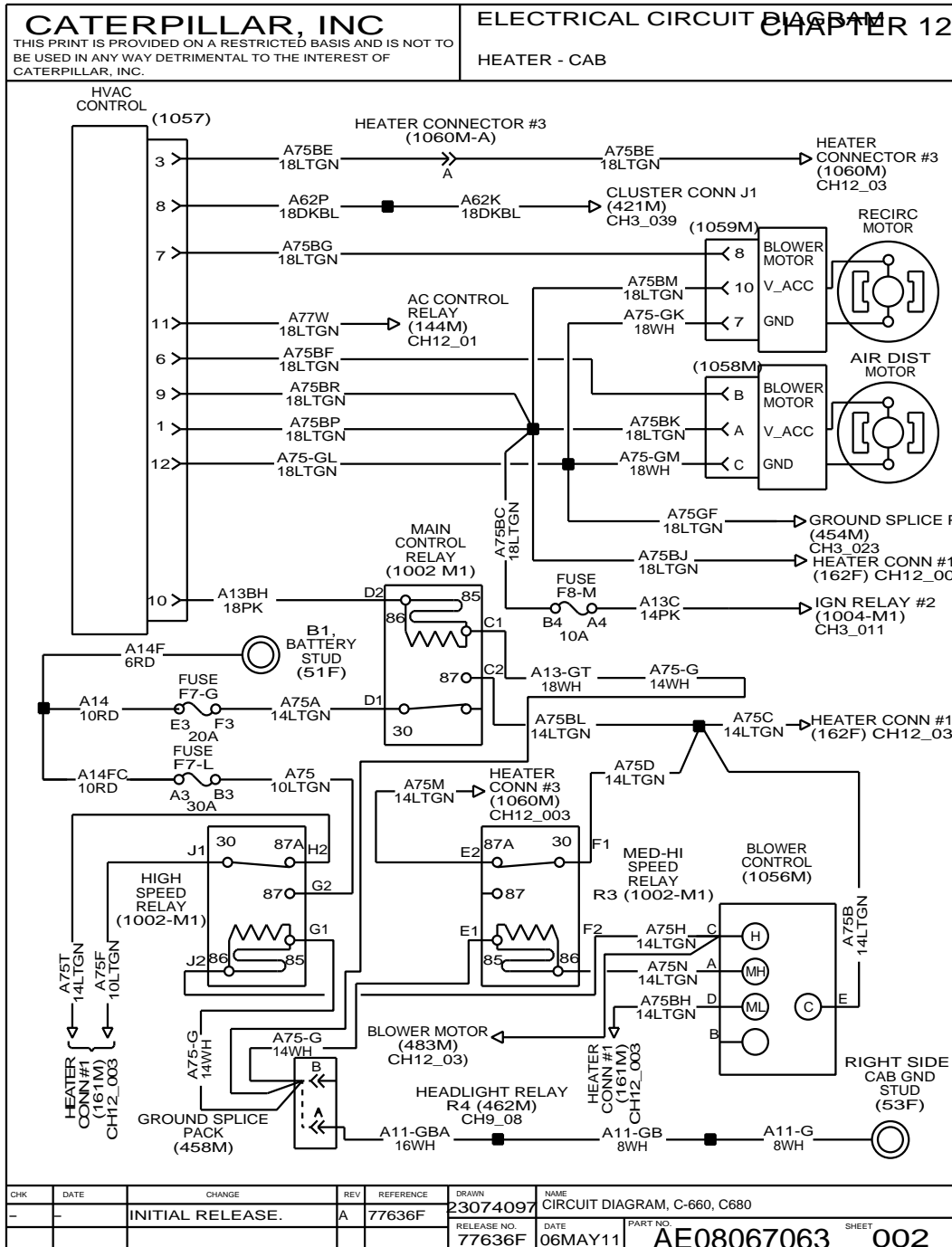


# HVAC (CHAPTER 12)

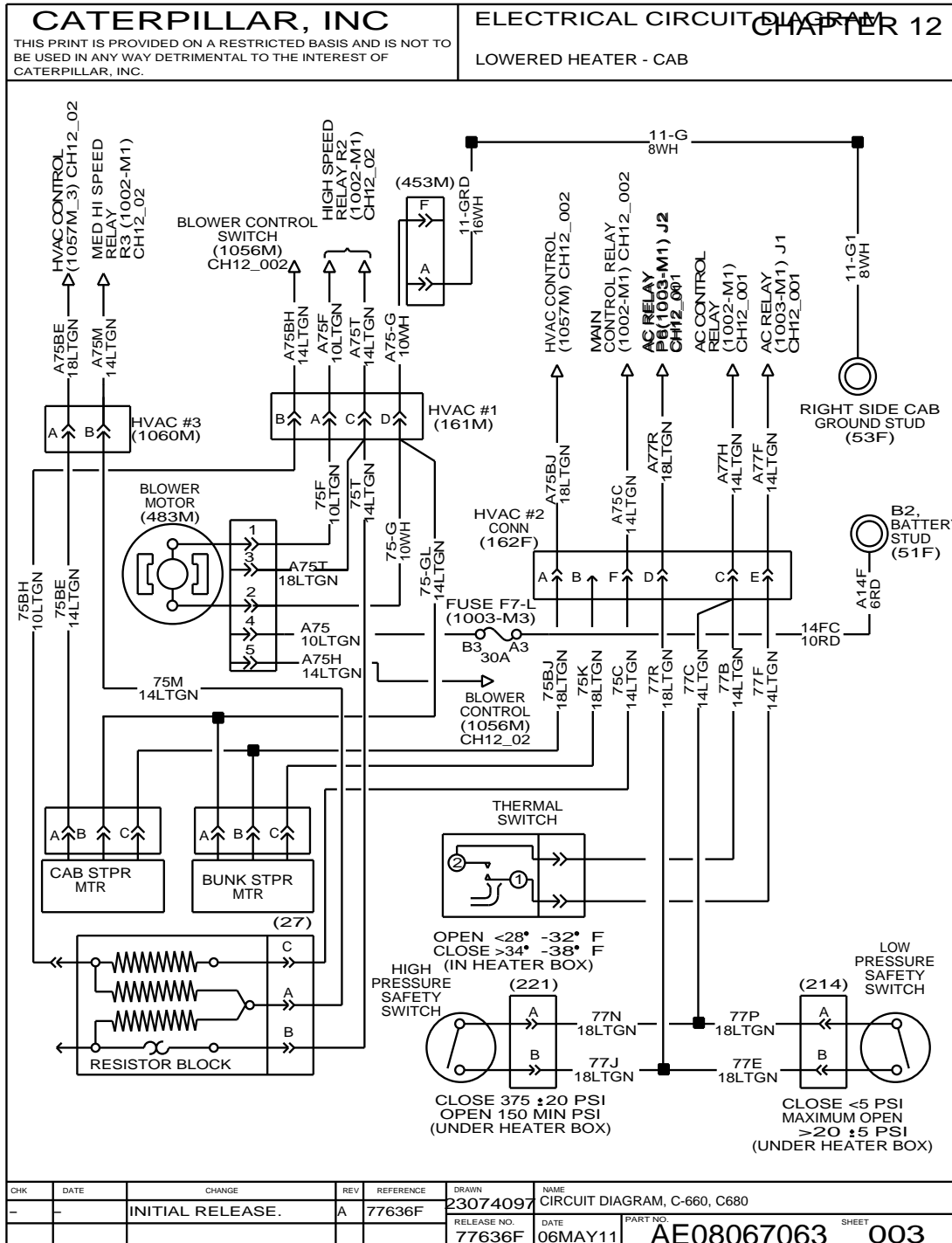
## AIR CONDITIONER – CAB, P. 1



HEATER - CAB, P. 2

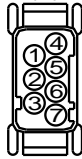
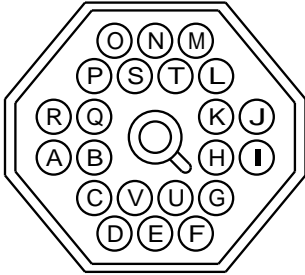
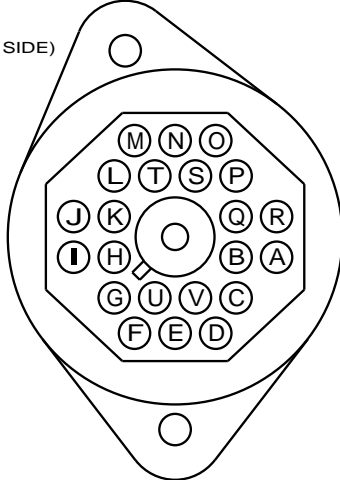


LOWERED HEATER – CAB, P. 3



# CONNECTOR BODY COMPOSITES (CHAPTER 13)

## CONNECTOR COMPOSITES, P. 1

<p><b>CATERPILLAR, INC</b> THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF CATERPILLAR, INC.</p>	<p><b>ELECTRICAL CIRCUIT CHAPTER 13</b> CONNECTOR BODY COMPOSITE MATING VIEW SHOWN</p>																																																																																																																																																																																																																																																																																				
<p>STEERING WHEEL POSITION SENSOR (1)</p>  <p>CONNECTOR 3601800C1</p>	<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>CAV</th> <th>CIRCUIT</th> <th>GAUGE</th> <th>COLOR</th> <th>TERMINAL</th> </tr> </thead> <tbody> <tr><td>1</td><td>A94SB</td><td>20</td><td>GY</td><td>3601801C1</td></tr> <tr><td>2</td><td>A94SA</td><td>20</td><td>GY</td><td>3601801C1</td></tr> <tr><td>3</td><td>A94SC</td><td>20</td><td>GY</td><td>3601801C1</td></tr> <tr><td>4</td><td>A94SD</td><td>20</td><td>GY</td><td>3601801C1</td></tr> <tr><td>5</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>6</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>7</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> </tbody> </table>	CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	1	A94SB	20	GY	3601801C1	2	A94SA	20	GY	3601801C1	3	A94SC	20	GY	3601801C1	4	A94SD	20	GY	3601801C1	5	-	-	-	-	6	-	-	-	-	7	-	-	-	-																																																																																																																																																																																																																																												
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<p>LEFT FORWARD CHASSIS / IP (1) (LOCATED ON DASH PANEL AT LEFT SIDE)</p>  <p>CONNECTOR 0598332C1 BODY LOCK 0598333C1 (QTY-2)</p>	 <p>CONNECTOR 0593389C1 BODY LOCK 0598333C1 (QTY-2)</p>																																																																																																																																																																																																																																																																																				
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H	M97-GF	18	WH	0587578C1	1652325C1																																																																																																																																																																																																																																																																																
I	M70A	16	OR	0587577C1	1652325C1																																																																																																																																																																																																																																																																																
J	M70	16	OR	0587577C1	1652325C1																																																																																																																																																																																																																																																																																
K	M54L	14	BN	0587577C1	0589391C1																																																																																																																																																																																																																																																																																
L	M97AL	18	VT	0587578C1	1652325C1																																																																																																																																																																																																																																																																																
M	M64L	14	YL	0587577C1	0589391C1																																																																																																																																																																																																																																																																																
N	M64-LGB	14	WH	0587577C1	0589391C1																																																																																																																																																																																																																																																																																
O	PLUG	-	-	0587579C1	-																																																																																																																																																																																																																																																																																
P	M56C	14	OR	0587577C1	0589391C1																																																																																																																																																																																																																																																																																
Q	M94L	16	GY	0587577C1	1652325C1																																																																																																																																																																																																																																																																																
R	M94LA	16	GY	0587577C1	1652325C1																																																																																																																																																																																																																																																																																
S	M94LB	16	GY	0587577C1	1652325C1																																																																																																																																																																																																																																																																																
T	M85B	16	GY	0587577C1	1652325C1																																																																																																																																																																																																																																																																																
U	PLUG	-	-	0587579C1	-																																																																																																																																																																																																																																																																																
V	PLUG	-	-	0587579C1	-																																																																																																																																																																																																																																																																																
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE																																																																																																																																																																																																																																																																																
A	A53L	14	YL	0587575C1	0589391C1																																																																																																																																																																																																																																																																																
B	PLUG	-	-	0587579C1	-																																																																																																																																																																																																																																																																																
C	PLUG	-	-	0587579C1	-																																																																																																																																																																																																																																																																																
D	A94LC	18	GY	0587576C1	3517771C1																																																																																																																																																																																																																																																																																
E	A94LD	18	GY	0587576C1	3517771C1																																																																																																																																																																																																																																																																																
F	A52L	16	YL	0587575C1	1652325C1																																																																																																																																																																																																																																																																																
G	A11-LGA	16	WH	0587575C1	1652325C1																																																																																																																																																																																																																																																																																
H	A97ALV	18	VT	0587576C1	1652325C1																																																																																																																																																																																																																																																																																
I	A70A	14	OR	0587575C1	0589391C1																																																																																																																																																																																																																																																																																
J	A70	12	OR	1673747C1	0589390C1																																																																																																																																																																																																																																																																																
K	A54L	14	BN	0587575C1	0589391C1																																																																																																																																																																																																																																																																																
L	A97AL	18	VT	0587576C1	1652325C1																																																																																																																																																																																																																																																																																
M	A64L	14	YL	0587575C1	0589391C1																																																																																																																																																																																																																																																																																
N	A64-LGB	14	WH	0587575C1	0589391C1																																																																																																																																																																																																																																																																																
O	PLUG	-	-	0587579C1	-																																																																																																																																																																																																																																																																																
P	A56C	16	OR	0587575C1	1652325C1																																																																																																																																																																																																																																																																																
Q	A94L	18	GY	0587576C1	3517771C1																																																																																																																																																																																																																																																																																
R	A94LA	18	GY	0587576C1	3517771C1																																																																																																																																																																																																																																																																																
S	A94LB	18	GY	0587576C1	3517771C1																																																																																																																																																																																																																																																																																
T	A85B	16	GY	0587575C1	1652325C1																																																																																																																																																																																																																																																																																
U	PLUG	-	-	0587579C1	-																																																																																																																																																																																																																																																																																
V	PLUG	-	-	0587579C1	-																																																																																																																																																																																																																																																																																
<table border="1" style="width:100%; border-collapse: collapse;"> <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>-</td> <td>-</td> <td>INITIAL RELEASE.</td> <td>A</td> <td>77636F</td> <td>300371</td> <td>CIRCUIT DIAGRAM, C-660, C680</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td>RELEASE NO. 77636F</td> <td>DATE 11MAY11</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>PART NO. AE08067064</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>SHEET 001</td> </tr> </tbody> </table>						CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME	-	-	INITIAL RELEASE.	A	77636F	300371	CIRCUIT DIAGRAM, C-660, C680						RELEASE NO. 77636F	DATE 11MAY11							PART NO. AE08067064							SHEET 001																																																																																																																																																																																																																																													
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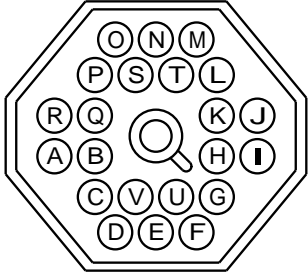


CONNECTOR COMPOSITES, P. 2

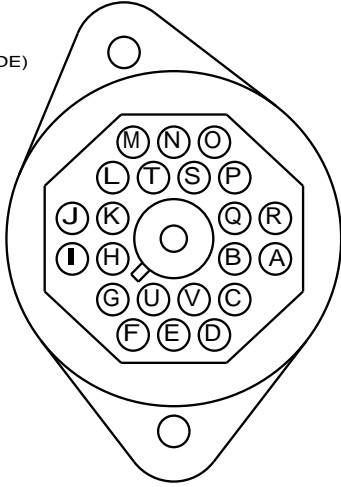
<p><b>CATERPILLAR, INC</b></p> <p>THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF CATERPILLAR, INC.</p>	<p><b>ELECTRICAL CIRCUIT CHARTER 13</b></p> <p>CONNECTOR BODY COMPOSITE MATING VIEW SHOWN</p>
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ENGINE / IP  
(2)  
(LOCATED ON DASH PANEL AT RIGHT SIDE)



CONNECTOR 0598332C1  
BODY LOCK 0598333C1 (QTY-2)



CONNECTOR 0593389C1  
BODY LOCK 0598333C1 (QTY-2)

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A*	K92-GU	18	TN	0587578C1	1652325C1
A#	K92	16	TN	0587577C1	1652325C1
B	K30	16	TN	0587577C1	1652325C1
C	K77E	14	LTGN	0587577C1	0589391C1
D*	K49C	18	GY	0587578C1	1652325C1
D#	K44-G	18	WH	0587578C1	1652325C1
E*	K92CT	18	TN	0587578C1	1652325C1
E#	K92A	16	TN	0587577C1	1652325C1
F*	K13BB	18	PK	0587578C1	1652325C1
F#	K13	14	PK	0587577C1	1652325C1
G*	K71	16	OR	0587577C1	1652325C1
G#	K17	16	PK	0587577C1	1652325C1
H	K71A	16	OR	0587577C1	1652325C1
I*	K92AA	16	TN	0587577C1	1652325C1
I@	K92TRHM	18	TN	0587578C1	1652325C1
J&	K23A	18	TN	0587578C1	1652325C1
J&	K23A	18	TN	0587578C1	3517771C1
K&	K23B	18	TN	0587578C1	1652325C1
K&	K23B	18	TN	0587578C1	3517771C1
L&	K17B	16	PK	0587577C1	1652325C1
L&	K17C	16	PK	0587577C1	1652325C1
M	K82C	16	GY	0587577C1	1652325C1
N	K82D	16	GY	0587577C1	1652325C1
O	K82E	16	GY	0587577C1	1652325C1
P	K13D	18	PK	0587578C1	3517771C1
Q	K13D4	18	PK	0587578C1	1652325C1
R*	K92PS	18	TN	0587578C1	1652325C1
R@	K92TRHL	18	TN	0587578C1	1652325C1
S	K82F	16	GY	0587577C1	1652325C1
T	K82-GC	16	WH	0587577C1	1652325C1
U	K17SI	16	PK	0587577C1	1652325C1
V*	K31B	16	TN	0587577C1	1652325C1
V%	K31	18	TN	0587578C1	1652325C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A&	A92	18	TN	0587576C1	1652325C1
A&	A92-GU	18	TN	0587576C1	3517771C1
B	A30	18	TN	0587576C1	3517771C1
C	A77C	18	LTGN	0587576C1	1652325C1
D&	A44-G	18	TN	0587576C1	3517771C1
D&	A44-G	18	GY	0587576C1	1652325C1
E	A92F	18	TN	0587576C1	1652325C1
F&	A13BB	18	PK	0587576C1	1652325C1
F&	A13BB	16	PK	0587575C1	1652325C1
G&	A17DA	18	PK	0587576C1	1652325C1
G&	A71	16	OR	0587575C1	1652325C1
H	A71AC	16	OR	0587575C1	1652325C1
I&	A92TRHM	18	TN	0587576C1	3517771C1
I&	A92AA	18	TN	0587576C1	3517771C1
J	A23A	18	TN	0587576C1	3517771C1
K	A23B	18	TN	0587576C1	3517771C1
L	A17B	14	PK	0587575C1	0589391C1
M	A82C	16	GY	0587575C1	1652325C1
N	A82D	16	GY	0587575C1	1652325C1
O	A82E	16	GY	0587575C1	1652325C1
P	A13ECM	16	PK	0587575C1	1652325C1
Q	A13DF	16	PK	0587575C1	1652325C1
R	A92TRHL	18	TN	0587576C1	1652325C1
S	A82F	16	GY	0587575C1	1652325C1
T	A82-GC	16	WH	0587575C1	1652325C1
U	A17A	18	PK	0587576C1	1652325C1
V	A31	18	TN	0587576C1	3517771C1

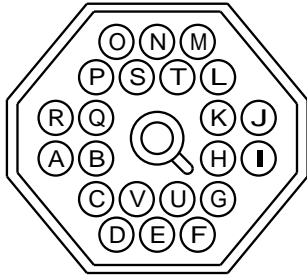
\* W/ ALLISON TRANSMISSION  
 # W/ CAT CX31 TRANSMISSION  
 @ W/ CAT CX31 TRANSMISSION W/ RETARDER  
 % N/ ALLISON TRANSMISSION  
 & MUTUALLY EXCLUSIVE

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
-	-	INITIAL RELEASE.	A	77636F	300371	CIRCUIT DIAGRAM, C-660, C680
					RELEASE NO. 77636F	DATE 10MAY11
						PART NO. AE08067064
						SHEET 002

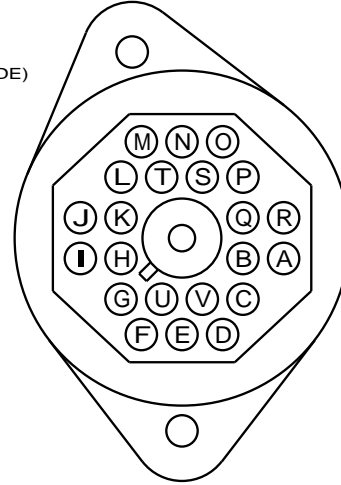
CONNECTOR COMPOSITES, P. 3

<p><b>CATERPILLAR, INC</b>  <small>THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF CATERPILLAR, INC.</small></p>	<p><b>ELECTRICAL CIRCUIT CHARTER 13</b>                  CONNECTOR BODY COMPOSITE MATING VIEW SHOWN</p>
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RIGHT FRONT END / IP  
(3)  
(LOCATED ON DASH PANEL AT RIGHT SIDE)



CONNECTOR 0598332C1  
BODY LOCK 0598333C1 (QTY-2)



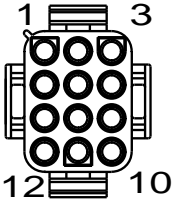
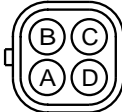
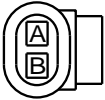
CONNECTOR 0593389C1  
BODY LOCK 0598333C1 (QTY-2)

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	M53R	14	YL	0587577C1	0589391C1
B	M5F(+)	18	YL	0587578C1	3517771C1
C	M5F(-)	18	GN	0587578C1	3517771C1
D	M94RC	16	GY	0587577C1	1652325C1
E	M94RD	16	GY	0587577C1	1652325C1
F	M52R	14	YL	0587577C1	0589391C1
G	M11-RGA	14	WH	0587577C1	0589391C1
H	M87MB	16	GY	0587577C1	1652325C1
I	M87-GG	16	WH	0587577C1	1652325C1
J	PLUG	-	-	0587579C1	-
K	M54R	14	BN	0587577C1	0589391C1
L	PLUG	-	-	0587579C1	-
M	M64R	14	YL	0587577C1	0589391C1
N	M64-RGB	14	WH	0587577C1	0589391C1
O	PLUG	-	-	0587579C1	-
P	M57C	14	OR	0587577C1	0589391C1
Q	M94R	16	GY	0587577C1	1652325C1
R	M94RA	16	GY	0587577C1	1652325C1
S	M94RB	16	GY	0587577C1	1652325C1
T	PLUG	-	-	0587579C1	-
U	PLUG	-	-	0587579C1	-
V	PLUG	-	-	0587579C1	-

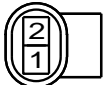
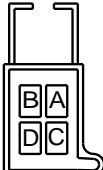
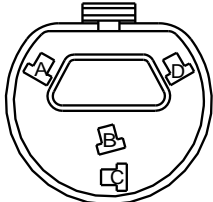
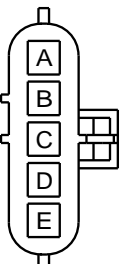
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	A53R	14	YL	0587575C1	0589391C1
B	PLUG	-	-	0587579C1	-
C	PLUG	-	-	0587579C1	-
D	A94RC	18	GY	0587576C1	3517771C1
E	A94RD	18	GY	0587576C1	3517771C1
F	A52R	16	YL	0587575C1	1652325C1
G	A11-RGA	16	WH	0587575C1	1652325C1
H	A87MB	16	GY	0587575C1	1652325C1
I	A87-GG	16	GY	0587575C1	1652325C1
J	PLUG	-	-	0587579C1	-
K	A54R	14	BN	0587575C1	0589391C1
L	PLUG	-	-	0587579C1	-
M	A64R	14	YL	0587575C1	0589391C1
N	A64-RGB	14	YL	0587575C1	0589391C1
O	PLUG	-	-	0587579C1	-
P	A57C	16	OR	0587575C1	1652325C1
Q	A94R	18	GY	0587576C1	3517771C1
R	A94RA	18	GY	0587576C1	3517771C1
S	A94RB	18	GY	0587576C1	3517771C1
T	PLUG	-	-	0587579C1	-
U	PLUG	-	-	0587579C1	-
V	PLUG	-	-	0587579C1	-

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME	
-	-	INITIAL RELEASE.	A	77636F	300371	CIRCUIT DIAGRAM, C-660, C680	
					RELEASE NO.	DATE	PART NO. SHEET
					77636F	10MAY11	AE08067064 003

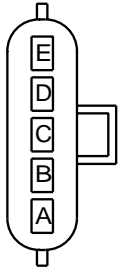
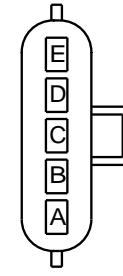
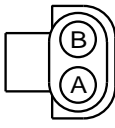
CONNECTOR COMPOSITES (4M), (5F), (9M), P. 4

<b>CATERPILLAR, INC</b> <small>THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF CATERPILLAR, INC.</small>				<b>ELECTRICAL CIRCUIT <del>CHAPTER</del> 13</b> CONNECTOR BODY COMPOSITE MATING VIEW SHOWN																																																																				
TURN SIGNAL SWITCH CONNECTOR (4M) (LOCATED ON STEERING COLUMN)						<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>A50BH</td><td>18</td><td>YL</td><td>3614754C1</td></tr> <tr><td>2</td><td>A50BL</td><td>18</td><td>YL</td><td>3614754C1</td></tr> <tr><td>3</td><td>A50B</td><td>18</td><td>YL</td><td>3614754C1</td></tr> <tr><td>4</td><td>A82B</td><td>16</td><td>GY</td><td>3614754C1</td></tr> <tr><td>5</td><td>A82E</td><td>16</td><td>GY</td><td>3614754C1</td></tr> <tr><td>6</td><td>A82D</td><td>16</td><td>GY</td><td>3614754C1</td></tr> <tr><td>7</td><td>A56</td><td>14</td><td>OR</td><td>3614754C1</td></tr> <tr><td>8</td><td>A57</td><td>14</td><td>OR</td><td>3614754C1</td></tr> <tr><td>9</td><td>A82F</td><td>16</td><td>GY</td><td>3614754C1</td></tr> <tr><td>10</td><td>A102</td><td>18</td><td>GY</td><td>3614754C1</td></tr> <tr><td>11</td><td>A55S</td><td>14</td><td>OR</td><td>3614754C1</td></tr> <tr><td>12</td><td>A87MB</td><td>16</td><td>GY</td><td>3614754C1</td></tr> </tbody> </table>		CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	1	A50BH	18	YL	3614754C1	2	A50BL	18	YL	3614754C1	3	A50B	18	YL	3614754C1	4	A82B	16	GY	3614754C1	5	A82E	16	GY	3614754C1	6	A82D	16	GY	3614754C1	7	A56	14	OR	3614754C1	8	A57	14	OR	3614754C1	9	A82F	16	GY	3614754C1	10	A102	18	GY	3614754C1	11	A55S	14	OR	3614754C1	12	A87MB	16	GY	3614754C1
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL																																																																				
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2	A50BL	18	YL	3614754C1																																																																				
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CONNECTOR COMPOSITES (20), (23XX), (40M), (71), P. 5

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<p>LOW COOLANT SENSOR (20)</p>  <p>CONNECTOR 3554317C1</p>	<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>CAV</th> <th>CIRCUIT</th> <th>GAUGE</th> <th>COLOR</th> <th>TERMINAL</th> <th>SEAL/SLEEVE</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>K34B</td> <td>18</td> <td>TN</td> <td>3554322C1</td> <td>3554318C1</td> </tr> <tr> <td>2</td> <td>K34C</td> <td>18</td> <td>TN</td> <td>3554322C1</td> <td>3554318C1</td> </tr> </tbody> </table>	CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE	1	K34B	18	TN	3554322C1	3554318C1	2	K34C	18	TN	3554322C1	3554318C1																					
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<p>DOOR SWITCH / SPEAKER JUMPER (23XX)</p>  <p>CONNECTOR 3534156C1 BODY LOCK 3534159C1</p>	<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>CAV</th> <th>CIRCUIT</th> <th>GAUGE</th> <th>COLOR</th> <th>TERMINAL</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>E63</td> <td>16</td> <td>DKBL</td> <td>1661212C1</td> </tr> <tr> <td>B</td> <td>E9</td> <td>16</td> <td>GY</td> <td>1661212C1</td> </tr> <tr> <td>C</td> <td>E86BDA</td> <td>18</td> <td>LTGN</td> <td>1661212C1</td> </tr> <tr> <td>D</td> <td>E86CEA</td> <td>18</td> <td>LTGN</td> <td>1661212C1</td> </tr> </tbody> </table>	CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	A	E63	16	DKBL	1661212C1	B	E9	16	GY	1661212C1	C	E86BDA	18	LTGN	1661212C1	D	E86CEA	18	LTGN	1661212C1														
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<p>START SWITCH CONNECTOR (40M) (LOCATED ON STEERING COLUMN)</p>  <p>CONNECTOR 3546518C1 BODY LOCK 3546519C1</p>	<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>CAV</th> <th>CIRCUIT</th> <th>GAUGE</th> <th>COLOR</th> <th>TERMINAL</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>A15</td> <td>16</td> <td>RD</td> <td>1661209C1</td> </tr> <tr> <td>B*</td> <td>A17</td> <td>18</td> <td>LTGN</td> <td>1661208C1</td> </tr> <tr> <td>B#</td> <td>A17</td> <td>16</td> <td>PK</td> <td>1661209C1</td> </tr> <tr> <td>C</td> <td>A12</td> <td>18</td> <td>LTBL</td> <td>1661208C1</td> </tr> <tr> <td>D</td> <td>A13</td> <td>16</td> <td>PK</td> <td>1661209C1</td> </tr> </tbody> </table> <p>* W/ MANUAL TRANSMISSION # W/ CAT AND ALLISON TRANSMISSION</p>	CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	A	A15	16	RD	1661209C1	B*	A17	18	LTGN	1661208C1	B#	A17	16	PK	1661209C1	C	A12	18	LTBL	1661208C1	D	A13	16	PK	1661209C1									
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<p>CHASSIS TAIL LIGHT (71)</p>  <p>CONNECTOR 1677851C1 BODY LOCK 1677914C1</p>	<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>CAV</th> <th>CIRCUIT</th> <th>GAUGE</th> <th>COLOR</th> <th>TERMINAL</th> <th>SEAL/SLEEVE</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>R71</td> <td>14</td> <td>OR</td> <td>2033912C1</td> <td>0589391C1</td> </tr> <tr> <td>B</td> <td>R56</td> <td>14</td> <td>OR</td> <td>2033912C1</td> <td>0589391C1</td> </tr> <tr> <td>C</td> <td>R57</td> <td>14</td> <td>OR</td> <td>2033912C1</td> <td>0589391C1</td> </tr> <tr> <td>D</td> <td>R68</td> <td>14</td> <td>BN</td> <td>2033912C1</td> <td>0589391C1</td> </tr> <tr> <td>E</td> <td>R10-G</td> <td>14</td> <td>WH</td> <td>2033912C1</td> <td>0589391C1</td> </tr> </tbody> </table>	CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE	A	R71	14	OR	2033912C1	0589391C1	B	R56	14	OR	2033912C1	0589391C1	C	R57	14	OR	2033912C1	0589391C1	D	R68	14	BN	2033912C1	0589391C1	E	R10-G	14	WH	2033912C1	0589391C1			
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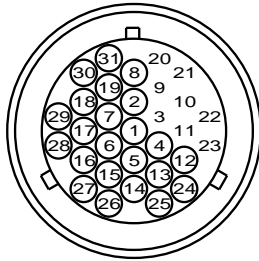
CONNECTOR COMPOSITES (72), (73), (76M), P. 6

<p><b>CATERPILLAR, INC</b> THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF CATERPILLAR, INC.</p>	<p><b>ELECTRICAL CIRCUIT CHAPTER 13</b> CONNECTOR BODY COMPOSITE MATING VIEW SHOWN</p>																																														
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CONNECTOR COMPOSITES (100F), P. 7

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SHIFT POWER BULKHEAD (100F)

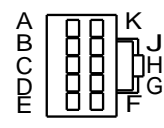
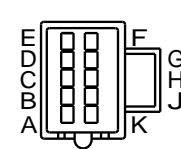
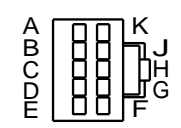


CONNECTOR 3688256C1

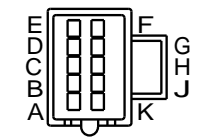
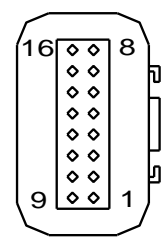
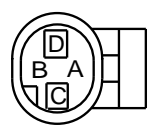
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2	PLUG	-	-	0453133C1
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4	K92CT	18	TN	1680205C1
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6	K24BD	16	GY	1680205C1
7	K92AA	16	TN	1680205C1
8	K92-GV	18	TN	1680205C1
9	K98YL4	18	YL	1680205C1
10	K98GN4	18	GN	1680205C1
11	K134A	18	TN	1680205C1
12	PLUG	-	-	0453133C1
13	K92PS	18	TN	1680205C1
14	PLUG	-	-	0453133C1
15	K92ML	18	TN	1680205C1
16	K92TN	18	TN	1680205C1
17	K92-GS	18	TN	1680205C1
18	K49C	18	GY	1680205C1
19	PLUG	-	-	0453133C1
20	K71A	16	OR	1680205C1
21	K71	16	OR	1680205C1
22	PLUG	-	-	0453133C1
23	K24BL	16	GY	1680205C1
24	K92RS	18	TN	1680205C1
25	K24CL	16	GY	1680205C1
26	K17E	16	PK	1680205C1
27	K17B	16	PK	1680205C1
28	K92A	16	TN	1680205C1
29	K92B	16	TN	1680205C1
30	K92-GC	16	TN	1680205C1
31	K92-GD	16	TN	1680205C1

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					RELEASE NO.	DATE
					77636F	10MAY11
					PART NO.	SHEET
					AE08067064	007

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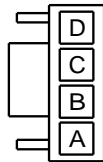
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CONNECTOR COMPOSITES (161M), (162F), P. 10

<p><b>CATERPILLAR, INC</b>  <small>THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF CATERPILLAR, INC.</small></p>	<p><b>ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13</b>                  CONNECTOR BODY COMPOSITE MATING VIEW SHOWN</p>
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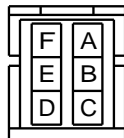
HVAC  
(161M)



CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A	A75F	10	LTGN	1661227C1
B	A75BH	14	LTGN	1661226C1
C	A75T	18	LTGN	1661224C1
D	A75-GA	10	WH	1661227C1

CONNECTOR 1661204C1

HVAC  
(162F)



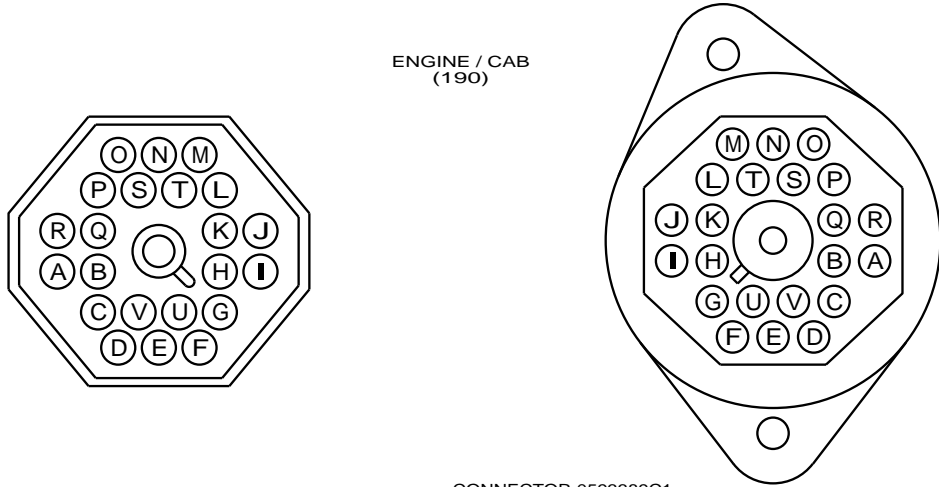
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A	A75BJ	18	LTGN	1661212C1
B	-	-	-	-
C	A77H	18	LTGN	1661212C1
D	A77R	18	LTGN	1661212C1
E	A77F	18	LTGN	1661212C1
F	A75C	18	LTGN	1661212C1

CONNECTOR 1661201C1

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
-	-	INITIAL RELEASE.	A	77636F	300371	CIRCUIT DIAGRAM, C-660, C680
					RELEASE NO.	DATE
					77636F	10MAY11
					PART NO.	SHEET
					AE08067064	010

CONNECTOR COMPOSITES (190), P. 11

<p><b>CATERPILLAR, INC</b>                  THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF CATERPILLAR, INC.</p>	<p><b>ELECTRICAL CIRCUIT CHARTER 13</b>                  CONNECTOR BODY COMPOSITE MATING VIEW SHOWN</p>
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CONNECTOR 0598332C1  
 BODY LOCK 0598333C1 (QTY-2)

CONNECTOR 0593389C1  
 BODY LOCK 0598333C1 (QTY-2)

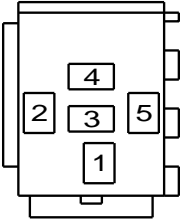

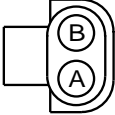
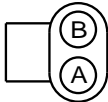
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	K99-G	18	PL	0587578C1	3517771C1
B	K99A5V	18	PL	0587578C1	3517771C1
C	K99	18	PL	0587578C1	3517771C1
D	PLUG	-	-	0587579C1	-
E	PLUG	-	-	0587579C1	-
F	K97AL	18	PL	0587578C1	3517771C1
G&	K98YL1	18	YL	0587578C1	3517771C1
G&	K5R(+)	18	YL	0587578C1	3517771C1
H&	K98GN1	18	GN	0587578C1	3517771C1
H&	K5R(-)	18	GN	0587578C1	3517771C1
I*	K97AB	18	VT	0587578C1	1652325C1
I#	K97AB	18	PL	0587578C1	3517771C1
J	K97AE	18	PL	0587578C1	3517771C1
K*	K97AA	18	VT	0587578C1	1652325C1
K#	K97AA	18	PL	0587578C1	3517771C1
L	K24AF	18	GY	0587578C1	3517771C1
M	K24AE	18	GY	0587578C1	3517771C1
N	K99-GD	18	PL	0587578C1	3517771C1
O	K99D	18	PL	0587578C1	3517771C1
P	K99D5V	18	PL	0587578C1	3517771C1
Q	K44	18	GY	0587578C1	1652325C1
R	K97AH	18	PL	0587578C1	3517771C1
S	K134A	18	TN	0587578C1	1652325C1
T	K49D	16	GY	0587577C1	1652325C1
U	K49E	18	YL	0587578C1	3517771C1
V	K44EC	18	GY	0587578C1	3517771C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	A99-G	18	VT	0587576C1	1652325C1
B	A99AV	18	VT	0587576C1	1652325C1
C	A99	18	VT	0587576C1	1652325C1
D	PLUG	-	-	0587579C1	-
E	PLUG	-	-	0587579C1	-
F	A97AL	18	VT	0587576C1	1652325C1
G	A5F(+)	18	YL	0587576C1	3517771C1
H	A5F(-)	18	LTGN	0587576C1	3517771C1
I	A97AB	20	VT	0587576C1	1652325C1
J	A97AE	20	VT	0587576C1	1652325C1
K	A97AA	20	VT	0587576C1	1652325C1
L	A24AF	18	GY	0587576C1	3517771C1
M	A24AE	18	GY	0587576C1	3517771C1
N	A99-GD	18	VT	0587576C1	1652325C1
O	A99D	18	VT	0587576C1	1652325C1
P	A99DV	18	VT	0587576C1	1652325C1
Q	A44C	18	GY	0587576C1	1652325C1
R	A97AH	18	VT	0587576C1	1652325C1
S	A92A	18	TN	0587576C1	1652325C1
T	A49D	18	GY	0587576C1	1652325C1
U	A49E	18	GY	0587576C1	1652325C1
V	A44EC	18	VT	0587576C1	1652325C1

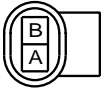
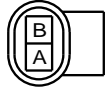
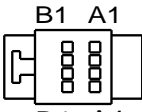
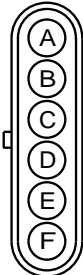
\* W/ REMOTE CRUISE  
 # N/ REMOTE CRUISE  
 & MUTUALLY EXCLUSIVE

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
-	-	INITIAL RELEASE.	A	77636F	300371	CIRCUIT DIAGRAM, C-660, C680
					RELEASE NO. 77636F	DATE 10MAY11
						PART NO. AE08067064
						SHEET 011


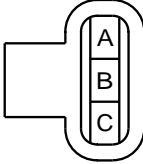
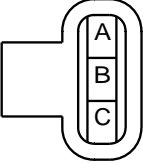

CONNECTOR COMPOSITES (201M), (203), (227), (228), P. 12

<b>CATERPILLAR, INC</b> <small>THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF CATERPILLAR, INC.</small>	<b>ELECTRICAL CIRCUIT CHARTER 13</b> CONNECTOR BODY COMPOSITE MATING VIEW SHOWN																																				
<p style="text-align: center;">START ENABLE RELAY (201M)</p>  <p style="text-align: center;">CONNECTOR 0593385C1 BODY LOCK 0593387C1</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>CAV</th> <th>CIRCUIT</th> <th>GAUGE</th> <th>COLOR</th> <th>TERMINAL</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>L17A</td> <td>12</td> <td>PK</td> <td>1661710C1</td> </tr> <tr> <td>2</td> <td>L17-GA</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&amp;</td> <td>L17EM</td> <td>16</td> <td>PK</td> <td>1661710C1</td> </tr> <tr> <td>4&amp;</td> <td>L17X</td> <td>14</td> <td>PK</td> <td>1661710C1</td> </tr> <tr> <td>5</td> <td>L17EA</td> <td>16</td> <td>PK</td> <td>1661709C1</td> </tr> </tbody> </table> <p style="text-align: center;">&amp; MUTUALLY EXCLUSIVE</p>	CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	1	L17A	12	PK	1661710C1	2	L17-GA	16	WH	1661709C1	3	-	-	-	-	4&	L17EM	16	PK	1661710C1	4&	L17X	14	PK	1661710C1	5	L17EA	16	PK	1661709C1	
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL																																	
1	L17A	12	PK	1661710C1																																	
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3	-	-	-	-																																	
4&	L17EM	16	PK	1661710C1																																	
4&	L17X	14	PK	1661710C1																																	
5	L17EA	16	PK	1661709C1																																	
<p style="text-align: center;">TERMINATING RESISTOR J1939 (203) (LOCATED IN INSTRUMENT PANEL LEFT SIDE)</p>  <p style="text-align: center;">CONNECTOR 1667741C1 BODY LOCK 1667771C1</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>CAV</th> <th>CIRCUIT</th> <th>GAUGE</th> <th>COLOR</th> <th>TERMINAL</th> <th>SEAL/SLEEVE</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>A5R(+)</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>A5R(-)</td> <td>18</td> <td>GN</td> <td>1661875C1</td> <td>3568570C1</td> </tr> </tbody> </table>	CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE	A	A5R(+)	18	YL	1661875C1	3568570C1	B	PLUG	-	-	2025431C1	-	C	A5R(-)	18	GN	1661875C1	3568570C1												
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE																																
A	A5R(+)	18	YL	1661875C1	3568570C1																																
B	PLUG	-	-	2025431C1	-																																
C	A5R(-)	18	GN	1661875C1	3568570C1																																
<p style="text-align: center;">FAN SOLENOID (227) (LOCATED ON ENGINE)</p>  <p style="text-align: center;">CONNECTOR 0587568C91</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>CAV</th> <th>CIRCUIT</th> <th>GAUGE</th> <th>COLOR</th> <th>TERMINAL</th> <th>SEAL/SLEEVE</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>K23</td> <td>18</td> <td>TN</td> <td>0587576C1</td> <td>3517771C1</td> </tr> <tr> <td>B</td> <td>K23-G</td> <td>18</td> <td>WH</td> <td>0587576C1</td> <td>3517771C1</td> </tr> </tbody> </table>	CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE	A	K23	18	TN	0587576C1	3517771C1	B	K23-G	18	WH	0587576C1	3517771C1																		
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE																																
A	K23	18	TN	0587576C1	3517771C1																																
B	K23-G	18	WH	0587576C1	3517771C1																																
<p style="text-align: center;">A/C PRESSURE SWITCH (228) (LOCATED ON ENGINE)</p>  <p style="text-align: center;">CONNECTOR 0587568C91</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>CAV</th> <th>CIRCUIT</th> <th>GAUGE</th> <th>COLOR</th> <th>TERMINAL</th> <th>SEAL/SLEEVE</th> </tr> </thead> <tbody> <tr> <td>A&amp;</td> <td>K23C</td> <td>18</td> <td>TN</td> <td>0587576C1</td> <td>1652325C1</td> </tr> <tr> <td>A&amp;</td> <td>K23C</td> <td>18</td> <td>TN</td> <td>0587576C1</td> <td>3517771C1</td> </tr> <tr> <td>B&amp;</td> <td>K23T</td> <td>18</td> <td>TN</td> <td>0587576C1</td> <td>3517771C1</td> </tr> <tr> <td>B&amp;</td> <td>K23AC</td> <td>18</td> <td>TN</td> <td>0587576C1</td> <td>1652325C1</td> </tr> <tr> <td>B&amp;</td> <td>K23T</td> <td>18</td> <td>TN</td> <td>0587576C1</td> <td>1652325C1</td> </tr> </tbody> </table> <p style="text-align: center;">&amp; MUTUALLY EXCLUSIVE</p>	CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE	A&	K23C	18	TN	0587576C1	1652325C1	A&	K23C	18	TN	0587576C1	3517771C1	B&	K23T	18	TN	0587576C1	3517771C1	B&	K23AC	18	TN	0587576C1	1652325C1	B&	K23T	18	TN	0587576C1	1652325C1
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE																																
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B&	K23AC	18	TN	0587576C1	1652325C1																																
B&	K23T	18	TN	0587576C1	1652325C1																																
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RELEASE NO.	DATE	PART NO.	SHEET																																		
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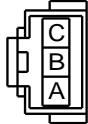

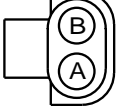
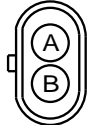
CONNECTOR COMPOSITES (236), (236F), (254M), (267M), P. 13

<p><b>CATERPILLAR, INC</b> THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF CATERPILLAR, INC.</p>	<p><b>ELECTRICAL CIRCUIT DIAGRAM 13</b> CONNECTOR BODY COMPOSITE MATING VIEW SHOWN</p>																																														
<p>XMSN OIL TEMP SENSOR (236) (LOCATED ON XMSN)</p>  <p>CONNECTOR 2036584C1</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>CAV</th> <th>CIRCUIT</th> <th>GAUGE</th> <th>COLOR</th> <th>TERMINAL</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>K31</td> <td>18</td> <td>TN</td> <td>2036586C1</td> </tr> <tr> <td>B</td> <td>K31-G</td> <td>16</td> <td>TN</td> <td>2036586C1</td> </tr> </tbody> </table>	CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	A	K31	18	TN	2036586C1	B	K31-G	16	TN	2036586C1																															
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A	K31	18	TN	2036586C1																																											
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<p>AUTO XMSN TEMP SENDER (236F) (LOCATED ON XMSN)</p>  <p>CONNECTOR 2036584C1</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>CAV</th> <th>CIRCUIT</th> <th>GAUGE</th> <th>COLOR</th> <th>TERMINAL</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>K31B</td> <td>16</td> <td>TN</td> <td>2036586C1</td> </tr> <tr> <td>B</td> <td>K31-G</td> <td>16</td> <td>WH</td> <td>2036586C1</td> </tr> </tbody> </table>	CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	A	K31B	16	TN	2036586C1	B	K31-G	16	WH	2036586C1																															
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A	K31B	16	TN	2036586C1																																											
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<p>POWER MIRROR SWITCH (254M)</p>  <p>CONNECTOR 3510243C1</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>CAV</th> <th>CIRCUIT</th> <th>GAUGE</th> <th>COLOR</th> <th>TERMINAL</th> </tr> </thead> <tbody> <tr> <td>A1</td> <td>A62BD</td> <td>20</td> <td>DKBL</td> <td>3535805C1</td> </tr> <tr> <td>A2</td> <td>A78V</td> <td>20</td> <td>LTGN</td> <td>3535805C1</td> </tr> <tr> <td>A3</td> <td>A78E</td> <td>20</td> <td>LTGN</td> <td>3535805C1</td> </tr> <tr> <td>A4</td> <td>A78-G</td> <td>20</td> <td>WH</td> <td>3535805C1</td> </tr> <tr> <td>B1</td> <td>A78A</td> <td>20</td> <td>LTGN</td> <td>3535805C1</td> </tr> <tr> <td>B2</td> <td>A78D</td> <td>20</td> <td>LTGN</td> <td>3535805C1</td> </tr> <tr> <td>B3</td> <td>A78C</td> <td>20</td> <td>LTGN</td> <td>3535805C1</td> </tr> <tr> <td>B4</td> <td>A78F</td> <td>20</td> <td>LTGN</td> <td>3535805C1</td> </tr> </tbody> </table>	CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	A1	A62BD	20	DKBL	3535805C1	A2	A78V	20	LTGN	3535805C1	A3	A78E	20	LTGN	3535805C1	A4	A78-G	20	WH	3535805C1	B1	A78A	20	LTGN	3535805C1	B2	A78D	20	LTGN	3535805C1	B3	A78C	20	LTGN	3535805C1	B4	A78F	20	LTGN	3535805C1	
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<p>THROTTLE POSITION SENSOR (267M) (LOCATED IN INSTRUMENT PANEL)</p>  <p>CONNECTOR 0587573C91</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>CAV</th> <th>CIRCUIT</th> <th>GAUGE</th> <th>COLOR</th> <th>TERMINAL</th> <th>SEAL/SLEEVE</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>A99-G</td> <td>18</td> <td>VT</td> <td>0587578C1</td> <td>1652325C1</td> </tr> <tr> <td>B</td> <td>A99</td> <td>18</td> <td>VT</td> <td>0587578C1</td> <td>1652325C1</td> </tr> <tr> <td>C</td> <td>A99AV</td> <td>18</td> <td>VT</td> <td>0587578C1</td> <td>1652325C1</td> </tr> <tr> <td>D</td> <td>A99DV</td> <td>18</td> <td>VT</td> <td>0587578C1</td> <td>1652325C1</td> </tr> <tr> <td>E</td> <td>A99-GD</td> <td>18</td> <td>VT</td> <td>0587578C1</td> <td>1652325C1</td> </tr> <tr> <td>F</td> <td>A99D</td> <td>18</td> <td>VT</td> <td>0587578C1</td> <td>1652325C1</td> </tr> </tbody> </table>	CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE	A	A99-G	18	VT	0587578C1	1652325C1	B	A99	18	VT	0587578C1	1652325C1	C	A99AV	18	VT	0587578C1	1652325C1	D	A99DV	18	VT	0587578C1	1652325C1	E	A99-GD	18	VT	0587578C1	1652325C1	F	A99D	18	VT	0587578C1	1652325C1				
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE																																										
A	A99-G	18	VT	0587578C1	1652325C1																																										
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CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME																																									
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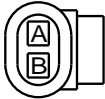

CONNECTOR COMPOSITES (289F), (290F), (291F), (292F), P. 14

<b>CATERPILLAR, INC</b> <small>THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF CATERPILLAR, INC.</small>		<b>ELECTRICAL CIRCUIT CHAPTER 13</b> CONNECTOR BODY COMPOSITE MATING VIEW SHOWN																					
<p>ABS LEFT FRONT WSS (289F) (LOCATED AT FORNT LEFT SENSOR)</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>M94LC</td> <td>16</td> <td>GY</td> <td>1680205C1</td> </tr> <tr> <td>2</td> <td>M94LD</td> <td>16</td> <td>GY</td> <td>1680205C1</td> </tr> </tbody> </table> <p>CONNECTOR 1684261C1 BODY LOCK 1684263C1</p>				CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	1	M94LC	16	GY	1680205C1	2	M94LD	16	GY	1680205C1					
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL																			
1	M94LC	16	GY	1680205C1																			
2	M94LD	16	GY	1680205C1																			
<p>FRONT MODULATOR (290F) (LOCATED AT BETWEEN FORNT WHEELS)</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>M94L</td> <td>16</td> <td>GY</td> <td>2033819C1</td> </tr> <tr> <td>B</td> <td>M94LA</td> <td>16</td> <td>GY</td> <td>2033819C1</td> </tr> <tr> <td>C</td> <td>M94LB</td> <td>16</td> <td>GY</td> <td>2033819C1</td> </tr> </tbody> </table> <p>CONNECTOR 1686834C1 BODY LOCK 1664408C1</p>				CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	A	M94L	16	GY	2033819C1	B	M94LA	16	GY	2033819C1	C	M94LB	16	GY	2033819C1
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL																			
A	M94L	16	GY	2033819C1																			
B	M94LA	16	GY	2033819C1																			
C	M94LB	16	GY	2033819C1																			
<p>ABS RIGHT FRONT MODULATOR (291F) (LOCATED AT BETWEEN FORNT WHEELS)</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>M94R</td> <td>16</td> <td>GY</td> <td>2033819C1</td> </tr> <tr> <td>B</td> <td>M94RA</td> <td>16</td> <td>GY</td> <td>2033819C1</td> </tr> <tr> <td>C</td> <td>M94RB</td> <td>16</td> <td>GY</td> <td>2033819C1</td> </tr> </tbody> </table> <p>CONNECTOR 1686834C1 BODY LOCK 1664408C1</p>				CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	A	M94R	16	GY	2033819C1	B	M94RA	16	GY	2033819C1	C	M94RB	16	GY	2033819C1
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL																			
A	M94R	16	GY	2033819C1																			
B	M94RA	16	GY	2033819C1																			
C	M94RB	16	GY	2033819C1																			
<p>ABS RIGHT FRONT WSS (292F) (LOCATED AT FORNT RIGHT WHEEL)</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>M94RC</td> <td>16</td> <td>GY</td> <td>1680205C1</td> </tr> <tr> <td>2</td> <td>M94RD</td> <td>16</td> <td>GY</td> <td>1680205C1</td> </tr> </tbody> </table> <p>CONNECTOR 1684261C1 BODY LOCK 1684263C1</p>				CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	1	M94RC	16	GY	1680205C1	2	M94RD	16	GY	1680205C1					
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL																			
1	M94RC	16	GY	1680205C1																			
2	M94RD	16	GY	1680205C1																			
CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME																	
-	-	INITIAL RELEASE.	A	77636F	300371	CIRCUIT DIAGRAM, C-660, C680																	
					RELEASE NO.	DATE	PART NO. SHEET																
					77636F	10MAY11	AE08067064 014																


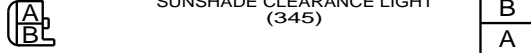
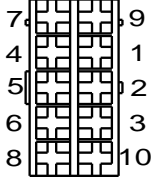

CONNECTOR COMPOSITES (294A), (294F), (303F), (303M), P. 15

<p><b>CATERPILLAR, INC</b> THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF CATERPILLAR, INC.</p>	<p><b>ELECTRICAL CIRCUIT <del>CHAPTER</del> 13</b> CONNECTOR BODY COMPOSITE MATING VIEW SHOWN</p>																				
<p>STARTER INTERLOCK SWITCH (294A) (LOCATED IN INSTRUMENT PANEL)</p>																					
	<table border="1" style="font-size: 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>-</td> <td>-</td> <td>-</td> <td>-</td> </tr> <tr> <td>B</td> <td>A17DA</td> <td>14</td> <td>PK</td> <td>3534167C1</td> </tr> <tr> <td>C</td> <td>A17DC</td> <td>14</td> <td>WH</td> <td>3534167C1</td> </tr> </tbody> </table>	CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	A	-	-	-	-	B	A17DA	14	PK	3534167C1	C	A17DC	14	WH	3534167C1
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL																	
A	-	-	-	-																	
B	A17DA	14	PK	3534167C1																	
C	A17DC	14	WH	3534167C1																	
<p>CONNECTOR 1661199C1</p>																					
<p>CLUTCH SWITCH (294F) (LOCATED BY CLUTCH)</p>																					
	<table border="1" style="font-size: 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>A97AH</td> <td>18</td> <td>VT</td> <td>1661212C1</td> </tr> <tr> <td>B</td> <td>A97CL</td> <td>18</td> <td>VT</td> <td>1661212C1</td> </tr> </tbody> </table>	CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	A	A97AH	18	VT	1661212C1	B	A97CL	18	VT	1661212C1					
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL																	
A	A97AH	18	VT	1661212C1																	
B	A97CL	18	VT	1661212C1																	
<p>CONNECTOR 1661197C1</p>																					
<p>SPEEDO SENSOR (303F)</p>																					
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CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE																
A	K97AJ1	16	VT	0587575C1	1652325C1																
B	PLUG	-	-	0587579C1	-																
<p>CONNECTOR 0587568C91</p>																					
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CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE																
A	K97AJ	16	PL	0587577C1	1652325C1																
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<p>CONNECTOR 0587567C91</p>																					
CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME															
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					RELEASE NO.	DATE	PART NO. SHEET														
					77636F	10MAY11	AE08067064 015														

CONNECTOR COMPOSITES (311), (312), (340), P. 16


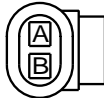
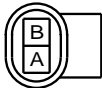
<p><b>CATERPILLAR, INC</b>  <small>THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF CATERPILLAR, INC.</small></p>	<p><b>ELECTRICAL CIRCUIT DIAGRAM 13</b>                  CONNECTOR BODY COMPOSITE MATING VIEW SHOWN</p>																				
<p>MAP LIGHT 2                  (311)                  (LOCATED AT ROOF NEAR LIGHT)</p> <div style="display: flex; justify-content: space-around; align-items: center;">  <table border="1" style="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>-</td> <td>-</td> <td>-</td> <td>-</td> </tr> <tr> <td>B</td> <td>A63-GE</td> <td>18</td> <td>WH</td> <td>1661261C1</td> </tr> <tr> <td>C</td> <td>A63E</td> <td>18</td> <td>DKBL</td> <td>1661261C1</td> </tr> </tbody> </table> </div> <p style="text-align: center; margin-top: 10px;">CONNECTOR 1661889C1                  BODY LOCK 1661890C1</p>		CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	A	-	-	-	-	B	A63-GE	18	WH	1661261C1	C	A63E	18	DKBL	1661261C1
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL																	
A	-	-	-	-																	
B	A63-GE	18	WH	1661261C1																	
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<p>MAP LIGHT 1                  (312)                  (LOCATED AT ROOF NEAR LIGHT)</p> <div style="display: flex; justify-content: space-around; align-items: center;">  <table border="1" style="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>-</td> <td>-</td> <td>-</td> <td>-</td> </tr> <tr> <td>B</td> <td>A63-GD</td> <td>18</td> <td>WH</td> <td>1661261C1</td> </tr> <tr> <td>C</td> <td>A63D</td> <td>18</td> <td>DKBL</td> <td>1661261C1</td> </tr> </tbody> </table> </div> <p style="text-align: center; margin-top: 10px;">CONNECTOR 1661889C1                  BODY LOCK 1661890C1</p>		CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	A	-	-	-	-	B	A63-GD	18	WH	1661261C1	C	A63D	18	DKBL	1661261C1
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL																	
A	-	-	-	-																	
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<p>AMBIENT TEMP SENSOR                  (340)</p> <div style="display: flex; justify-content: space-around; align-items: center;">  <table border="1" style="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>K41D</td> <td>18</td> <td>LTGN</td> <td>1661875C1</td> <td>1661872C1</td> </tr> <tr> <td>B</td> <td>K41E</td> <td>18</td> <td>LTGN</td> <td>1661875C1</td> <td>3568570C1</td> </tr> </tbody> </table> </div> <p style="text-align: center; margin-top: 10px;">CONNECTOR 3522068C1                  BODY LOCK 1661874C1</p>		CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE	A	K41D	18	LTGN	1661875C1	1661872C1	B	K41E	18	LTGN	1661875C1	3568570C1		
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE																
A	K41D	18	LTGN	1661875C1	1661872C1																
B	K41E	18	LTGN	1661875C1	3568570C1																
<p>AMBIENT AIR TEMP SENSOR                  (340)</p> <div style="display: flex; justify-content: space-around; align-items: center;">  <table border="1" style="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>M41D</td> <td>18</td> <td>TN</td> <td>1667742C1</td> </tr> <tr> <td>B</td> <td>M41E</td> <td>18</td> <td>TN</td> <td>1667742C1</td> </tr> </tbody> </table> </div> <p style="text-align: center; margin-top: 10px;">CONNECTOR 3582941C1                  BODY LOCK 1661874C1</p>		CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	A	M41D	18	TN	1667742C1	B	M41E	18	TN	1667742C1					
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL																	
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CONNECTOR COMPOSITES (344), (345), (369), (370), P. 17



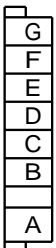
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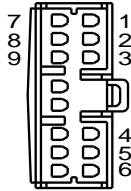
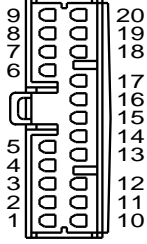
CONNECTOR COMPOSITES (371), (372M), (393), P. 18

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CONNECTOR COMPOSITES (400), (401), (403), P. 19

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CONNECTOR COMPOSITES (418), (421M), (422M), P. 20

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CONNECTOR COMPOSITES (425M), (426), (427), P. 21

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PANEL LIGHT DIMMER SWITCH  
(425M)

CONNECTOR 3530407C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
1	A62DN	16	DKBL	3532125C1	3509903C1
2	A62V	18	DKBL	3532119C1	3532128C1
3	A62UP	18	TN	3532119C1	3532128C1
4	PLUG	-	-	3532129C1	-
5	PLUG	-	-	3532129C1	-
6	PLUG	-	-	3532129C1	-
7	PLUG	-	-	3532129C1	-
8	A62-GPL	18	WH	3532119C1	3532128C1
9	PLUG	-	-	3532129C1	-
10	A62PL	18	DKBL	3532119C1	3532128C1

RADIO 1  
(426)  
(LOCATED IN CAB ROOF)

CONNECTOR 3597143C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	-	-	-	-
2	-	-	-	-
3	A54D	18	BN	3597102C1
4	A86	18	LTGN	3597102C1
5	-	-	-	-
6	A62RA	18	DKBL	3597102C1
7	A86V	18	LTGN	3597102C1
8	A86-G	18	WH	3597102C1
9	A86T	18	LTGN	3597102C1
10	A86U	18	LTGN	3597102C1
11	A86V	18	LTGN	3597102C1
12	A86W	18	LTGN	3597102C1
13	A86X	18	LTGN	3597102C1
14	A86Y	18	LTGN	3597102C1
15	A86R	18	LTGN	3597102C1
16	A86S	18	LTGN	3597102C1

IP - ROOF CONNECTOR 2  
(427)



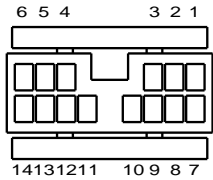
CONNECTOR 3544690C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	A86R	18	LTGN	3544692C1
2	A86S	18	LTGN	3544692C1
3	A86T	18	LTGN	3544692C1
4	A86U	18	LTGN	3544692C1
5	A86V	18	LTBL	3544692C1
6	A86W	18	LTGN	3544692C1
7	A86X	18	WH	3544692C1
8	A86Y	18	WH	3544692C1
9	A105-L	18	LTGN	3544692C1
10	A105-R	18	LTGN	3544692C1
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12	-	-	-	-
13	-	-	-	-
14	-	-	-	-

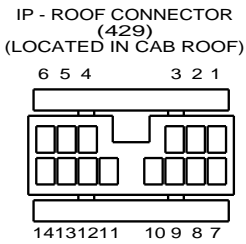
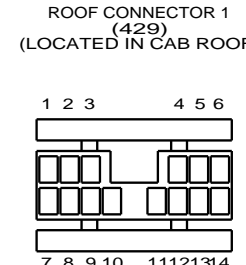
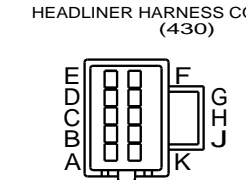
  

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					RELEASE NO.	DATE
					77636F	10MAY11
					PART NO.	SHEET
					AE08067064	021

CONNECTOR COMPOSITES (428), (428F), P. 22

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<p>ROOF CONNECTOR 2 (428F)                  (LOCATED IN CAB ROOF)</p> <div style="display: flex; align-items: center; justify-content: center; gap: 20px;">  <table border="1" style="font-size: 8px;"> <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>A86R</td><td>18</td><td>LTGN</td><td>3544691C1</td></tr> <tr><td>2</td><td>A86S</td><td>18</td><td>LTGN</td><td>3544691C1</td></tr> <tr><td>3</td><td>A86T</td><td>18</td><td>LTGN</td><td>3544691C1</td></tr> <tr><td>4</td><td>A86U</td><td>18</td><td>LTGN</td><td>3544691C1</td></tr> <tr><td>5</td><td>A86V</td><td>18</td><td>LTGN</td><td>3544691C1</td></tr> <tr><td>6</td><td>A86W</td><td>18</td><td>LTGN</td><td>3544691C1</td></tr> <tr><td>7</td><td>A86X</td><td>18</td><td>LTGN</td><td>3544691C1</td></tr> <tr><td>8</td><td>A86Y</td><td>18</td><td>LTGN</td><td>3544691C1</td></tr> <tr><td>9</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>10</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>11</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>12</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>13</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>14</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> </tbody> </table> </div> <p>CONNECTOR 3544689C1</p>	CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	1	A86R	18	LTGN	3544691C1	2	A86S	18	LTGN	3544691C1	3	A86T	18	LTGN	3544691C1	4	A86U	18	LTGN	3544691C1	5	A86V	18	LTGN	3544691C1	6	A86W	18	LTGN	3544691C1	7	A86X	18	LTGN	3544691C1	8	A86Y	18	LTGN	3544691C1	9	-	-	-	-	10	-	-	-	-	11	-	-	-	-	12	-	-	-	-	13	-	-	-	-	14	-	-	-	-	
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CONNECTOR COMPOSITES (429), (430), P. 23

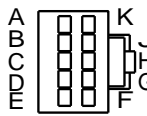
<p><b>CATERPILLAR, INC</b>  <small>THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF CATERPILLAR, INC.</small></p>	<p><b>ELECTRICAL CIRCUIT CHAPTER 13</b>                  CONNECTOR BODY COMPOSITE MATING VIEW SHOWN</p>																																																																											
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CONNECTOR COMPOSITES (430), (433M), P. 24

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HEADLINER HARNESS CONN  
(430)

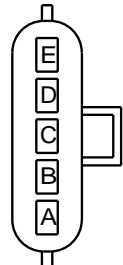


CONNECTOR 3540612C1  
BODY LOCK 3540614C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A	A86A	16	LTGN	1661261C1
B	A86-GA	16	WH	1661261C1
C	A63B	18	DKBL	1661261C1
D	A63C	18	DKBL	1661261C1
E	A63D	18	DKBL	1661261C1
F	A63E	18	DKBL	1661261C1
G	A63-GF	16	WH	1661261C1
H	A63-GG	16	WH	1661261C1
J	A63-GK	18	WH	1661261C1
K	-	-	-	-

WINDSHIELD WIPER MOTOR  
(430)  
(LOCATED IN UNDER HOOD)

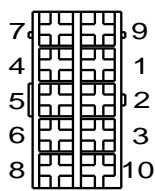


CONNECTOR 1661375C2  
BODY LOCK 1661376C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	K82C	16	GY	2033819C1	1652325C1
B	K82F	16	GY	2033819C1	1652325C1
C	K82-GC	16	WH	2033819C1	1652325C1
D	K82D	16	GY	2033819C1	1652325C1
E	K82E	16	GY	2033819C1	1652325C1

ENGINE BRAKE SELECTOR SWITCH  
(433M)



CONNECTOR 3530407C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
1	PLUG	-	-	3532129C1	-
2	A24AD	18	GY	3532119C1	3532128C1
3	A24AE	18	GY	3532119C1	3532128C1
4	PLUG	-	-	3532129C1	-
5	PLUG	-	-	3532129C1	-
6	A24AF	18	GY	3532119C1	3532128C1
7	PLUG	-	-	3532129C1	-
8	A62-GES	18	DKBL	3532119C1	3532128C1
9	PLUG	-	-	3532129C1	-
10	A62ES	18	DKBL	3532119C1	3532128C1

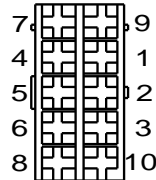
CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
-	-	INITIAL RELEASE.	A	77636F	300371	CIRCUIT DIAGRAM, C-660, C680
					RELEASE NO.	DATE
					77636F	10MAY11
					PART NO.	SHEET
					AE08067064	024

CONNECTOR COMPOSITES (434M), (435M), (436M), P. 25

<p><b>CATERPILLAR, INC</b> THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF CATERPILLAR, INC.</p>	<p><b>ELECTRICAL CIRCUIT CHARTER 13</b> CONNECTOR BODY COMPOSITE MATING VIEW SHOWN</p>
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ENGINE BRAKE ON / OFF SWITCH (434M)

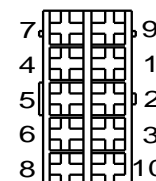


CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
1	PLUG	-	-	3532129C1	-
2	A24AM	18	GY	3532119C1	3532128C1
3	A24AD	18	GY	3532119C1	3532128C1
4	PLUG	-	-	3532129C1	-
5	PLUG	-	-	3532129C1	-
6	PLUG	-	-	3532129C1	-
7	PLUG	-	-	3532129C1	-
8	A62-GEB	18	DKBL	3532119C1	3532128C1
9	A11-GVA	18	WH	3532119C1	3532128C1
10	A62EB	18	DKBL	3532119C1	3532128C1

CONNECTOR 3530407C1

CRUISE CONTROL ON / OFF SWITCH (435M)

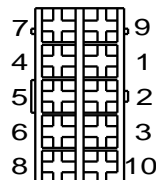


CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
1	PLUG	-	-	3532129C1	-
2	A97CRC	18	PL	3532119C1	3532128C1
3	A97AE	20	VT	3532119C1	3532128C1
4	PLUG	-	-	3532129C1	-
5	PLUG	-	-	3532129C1	-
6	PLUG	-	-	3532129C1	-
7	PLUG	-	-	3532129C1	-
8	A62-GCS	18	DKBL	3532119C1	3532128C1
9	A11-GUC	18	WH	3532119C1	3532128C1
10	A62CRA	18	DKBL	3532119C1	3532128C1

CONNECTOR 3530407C1

CRUISE CONTROL SET / RESUME (436M)



CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
1	A97AA	20	VT	3532119C1	3532128C1
2	A97CRB	18	PL	3532119C1	3532128C1
3	A97AB	20	VT	3532119C1	3532128C1
4	PLUG	-	-	3532129C1	-
5	PLUG	-	-	3532129C1	-
6	PLUG	-	-	3532129C1	-
7	PLUG	-	-	3532129C1	-
8	A62-GCR	18	DKBL	3532119C1	3532128C1
9	PLUG	-	-	3532129C1	-
10	A62CRB	18	DKBL	3532119C1	3532128C1

CONNECTOR 3530407C1

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
-	-	INITIAL RELEASE.	A	77636F	300371	CIRCUIT DIAGRAM, C-660, C680
					RELEASE NO.	DATE
					77636F	10MAY11
					PART NO.	SHEET
					AE08067064	025



CONNECTOR COMPOSITES (438M), (440M), (441M), P. 26

<b>CATERPILLAR, INC</b>				<b>ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13</b>	
THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF CATERPILLAR, INC.				CONNECTOR BODY COMPOSITE MATING VIEW SHOWN	

MIRROR HEAT SWITCH  
(438M)

CONNECTOR 3530407C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
1	PLUG	-	-	3532129C1	-
2	A78H	16	LTGN	3532125C1	3509903C1
3	A78JK	16	LTGN	3532125C1	3509903C1
4	PLUG	-	-	3532129C1	-
5	PLUG	-	-	3532129C1	-
6	PLUG	-	-	3532129C1	-
7	PLUG	-	-	3532129C1	-
8	A62-GMH	16	DKBL	3532125C1	3509903C1
9	A11-GUG	18	WH	3532119C1	3532128C1
10	A62MH	18	DKBL	3532119C1	3532128C1

FOG LIGHT SWITCH  
(440M)

CONNECTOR 3530407C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
1	PLUG	-	-	3532129C1	-
2	A64D	16	YL	3532125C1	3509903C1
3	A64A	14	YL	3532125C1	3509903C1
4	PLUG	-	-	3532129C1	-
5	PLUG	-	-	3532129C1	-
6	PLUG	-	-	3532129C1	-
7	PLUG	-	-	3532129C1	-
8	A62-GFL	18	WH	3532119C1	3532128C1
9	A11-GVC	18	WH	3532119C1	3532128C1
10	A62FL	18	LTGN	3532119C1	3532128C1

WORK LIGHT SWITCH  
(441M)

CONNECTOR 3530407C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
1	PLUG	-	-	3532129C1	-
2	A65V	16	OR	3532125C1	3509903C1
3	A65	18	OR	3532119C1	3532128C1
4	PLUG	-	-	3532129C1	-
5	PLUG	-	-	3532129C1	-
6	PLUG	-	-	3532129C1	-
7	PLUG	-	-	3532129C1	-
8	A62-GWL	18	WH	3532119C1	3532128C1
9	A11-GUB	18	WH	3532119C1	3532128C1
10	A62WL	18	DKBL	3532119C1	3532128C1

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
-	-	INITIAL RELEASE.	A	77636F	300371	CIRCUIT DIAGRAM, C-660, C680
					RELEASE NO.	DATE
					77636F	10MAY11
					PART NO.	SHEET
					AE08067064	026

CONNECTOR COMPOSITES (442M), (443), (443M), P. 27

<p><b>CATERPILLAR, INC</b> THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF CATERPILLAR, INC.</p>	<p><b>ELECTRICAL CIRCUIT CHARTER 13</b> CONNECTOR BODY COMPOSITE MATING VIEW SHOWN</p>
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DOME LIGHT SWITCH  
(442M)

CONNECTOR 3530407C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
1	A63T	18	DKBL	3532119C1	3532128C1
2	A63S	16	DKBL	3532125C1	3509903C1
3	A63-GUH	18	WH	3532119C1	3532128C1
4	PLUG	-	-	3532129C1	-
5	PLUG	-	-	3532129C1	-
6	PLUG	-	-	3532129C1	-
7	A63LV	18	DKBL	3532119C1	3532128C1
8	A62-GDL	18	WH	3532119C1	3532128C1
9	A63L	18	DKBL	3532119C1	3532128C1
10	A62DL	18	DKBL	3532119C1	3532128C1

XMSN RETRARDER ON / OFF SWITCH  
(443)

CONNECTOR 3530407C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
1	PLUG	-	-	3532129C1	-
2&	A92T	18	TN	3532119C1	3532128C1
2&	A92-GU	18	TN	3532119C1	3532128C1
3&	A92TRL&	18	TN	3532119C1	3532128C1
3&	A92AA&	18	TN	3532119C1	3532128C1
4	PLUG	-	-	3532129C1	-
5	PLUG	-	-	3532129C1	-
6	PLUG	-	-	3532129C1	-
7	PLUG	-	-	3532129C1	-
8	A62-GPT	18	WH	3532119C1	3532128C1
9	PLUG	-	-	3532129C1	-
10	A62PT	18	DKBL	3532119C1	3532128C1

& MUTUALLY EXCLUSIVE

XMSN RETARDER SELECTOR SWITCH  
(443M)

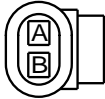


CONNECTOR 3530407C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
1	PLUG	-	-	3532129C1	-
2	A92TRH	18	TN	3532119C1	3532128C1
3	A92TRHM	18	TN	3532119C1	3532128C1
4	PLUG	-	-	3532129C1	-
5	PLUG	-	-	3532129C1	-
6	PLUG	-	-	3532129C1	-
7	PLUG	-	-	3532129C1	-
8	A62-GVD	18	WH	3532119C1	3532128C1
9	PLUG	-	-	3532129C1	-
10	A62RT	18	DKBL	3532119C1	3532128C1

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
-	-	INITIAL RELEASE.	A	77636F	300371	CIRCUIT DIAGRAM, C-660, C680
					RELEASE NO.	DATE
					77636F	11MAY11
					PART NO.	SHEET
					AE08067064	027

CONNECTOR COMPOSITES (444M), (448M), (449M), P. 28

<p><b>CATERPILLAR, INC</b>  <small>THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF CATERPILLAR, INC.</small></p>	<p><b>ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13</b>                  CONNECTOR BODY COMPOSITE MATING VIEW SHOWN</p>																																																																									
<p style="text-align: center;">FILTER MINDER (444M)</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> <th>SEAL/SLEEVE</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>A62FM</td> <td>18</td> <td>DKBL</td> <td>1661875C1</td> <td>3568570C1</td> </tr> <tr> <td>B</td> <td>A62-GFM</td> <td>18</td> <td>DKBL</td> <td>1661875C1</td> <td>3568570C1</td> </tr> </tbody> </table> <p style="text-align: center; font-size: small;">CONNECTOR 3522068C1 BODY LOCK 1661874C1</p>	CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE	A	A62FM	18	DKBL	1661875C1	3568570C1	B	A62-GFM	18	DKBL	1661875C1	3568570C1	<p style="text-align: center;">SPLICE PACK (448M)</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>A</td><td>A11-GX</td><td>16</td><td>WH</td><td>1661208C1</td></tr> <tr><td>B</td><td>A49-GA</td><td>18</td><td>WH</td><td>1661208C1</td></tr> <tr><td>C</td><td>A11GJ</td><td>16</td><td>WH</td><td>1661209C1</td></tr> <tr><td>D</td><td>A17FA</td><td>16</td><td>PK</td><td>1661209C1</td></tr> <tr><td>E</td><td>A17-G</td><td>18</td><td>WH</td><td>1661208C1</td></tr> <tr><td>F</td><td>A63-GDL</td><td>18</td><td>BN</td><td>1661208C1</td></tr> <tr><td>G</td><td>A75-GHS</td><td>18</td><td>WH</td><td>1661208C1</td></tr> <tr><td>H</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>J</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>K</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> </tbody> </table> <p style="text-align: center; font-size: small;">CONNECTOR 2007315C1 BODY LOCK 2007316C1</p>	CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	A	A11-GX	16	WH	1661208C1	B	A49-GA	18	WH	1661208C1	C	A11GJ	16	WH	1661209C1	D	A17FA	16	PK	1661209C1	E	A17-G	18	WH	1661208C1	F	A63-GDL	18	BN	1661208C1	G	A75-GHS	18	WH	1661208C1	H	-	-	-	-	J	-	-	-	-	K	-	-	-	-
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE																																																																					
A	A62FM	18	DKBL	1661875C1	3568570C1																																																																					
B	A62-GFM	18	DKBL	1661875C1	3568570C1																																																																					
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL																																																																						
A	A11-GX	16	WH	1661208C1																																																																						
B	A49-GA	18	WH	1661208C1																																																																						
C	A11GJ	16	WH	1661209C1																																																																						
D	A17FA	16	PK	1661209C1																																																																						
E	A17-G	18	WH	1661208C1																																																																						
F	A63-GDL	18	BN	1661208C1																																																																						
G	A75-GHS	18	WH	1661208C1																																																																						
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K	-	-	-	-																																																																						
<p style="text-align: center;">SPLICE PACK (449M)</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>A</td><td>A11-GW</td><td>16</td><td>WH</td><td>1661208C1</td></tr> <tr><td>B</td><td>A49-GS</td><td>18</td><td>WH</td><td>1661208C1</td></tr> <tr><td>C&amp;</td><td>A62-GS</td><td>18</td><td>WH</td><td>1661208C1</td></tr> <tr><td>C&amp;</td><td>A62-GS</td><td>16</td><td>WH</td><td>1661208C1</td></tr> <tr><td>D&amp;</td><td>A147-G</td><td>18</td><td>WH</td><td>1661208C1</td></tr> <tr><td>D&amp;</td><td>A147-G</td><td>16</td><td>WH</td><td>1661208C1</td></tr> <tr><td>E</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>F</td><td>A62-GFM</td><td>18</td><td>DKBL</td><td>1661208C1</td></tr> <tr><td>G</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>H</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>J</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>K</td><td>A11-GX</td><td>16</td><td>WH</td><td>1661208C1</td></tr> </tbody> </table> <p style="text-align: center; font-size: small;">CONNECTOR 2007315C1 BODY LOCK 2007316C1</p>	CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	A	A11-GW	16	WH	1661208C1	B	A49-GS	18	WH	1661208C1	C&	A62-GS	18	WH	1661208C1	C&	A62-GS	16	WH	1661208C1	D&	A147-G	18	WH	1661208C1	D&	A147-G	16	WH	1661208C1	E	-	-	-	-	F	A62-GFM	18	DKBL	1661208C1	G	-	-	-	-	H	-	-	-	-	J	-	-	-	-	K	A11-GX	16	WH	1661208C1	<p style="text-align: center;">&amp; MUTUALLY EXCLUSIVE</p>								
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL																																																																						
A	A11-GW	16	WH	1661208C1																																																																						
B	A49-GS	18	WH	1661208C1																																																																						
C&	A62-GS	18	WH	1661208C1																																																																						
C&	A62-GS	16	WH	1661208C1																																																																						
D&	A147-G	18	WH	1661208C1																																																																						
D&	A147-G	16	WH	1661208C1																																																																						
E	-	-	-	-																																																																						
F	A62-GFM	18	DKBL	1661208C1																																																																						
G	-	-	-	-																																																																						
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K	A11-GX	16	WH	1661208C1																																																																						
<table border="1" style="width: 100%; border-collapse: collapse;"> <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>-</td> <td>-</td> <td>INITIAL RELEASE.</td> <td>A</td> <td>77636F</td> <td>300371</td> <td>CIRCUIT DIAGRAM, C-660, C680</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td>77636F</td> <td>11MAY11</td> </tr> </tbody> </table>	CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME	-	-	INITIAL RELEASE.	A	77636F	300371	CIRCUIT DIAGRAM, C-660, C680						77636F	11MAY11	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>RELEASE NO.</th> <th>DATE</th> <th>PART NO.</th> <th>SHEET</th> </tr> </thead> <tbody> <tr> <td>77636F</td> <td>11MAY11</td> <td>AE08067064</td> <td>028</td> </tr> </tbody> </table>	RELEASE NO.	DATE	PART NO.	SHEET	77636F	11MAY11	AE08067064	028																																												
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77636F	11MAY11	AE08067064	028																																																																							

CONNECTOR COMPOSITES (450M), (451M), P. 29

<p><b>CATERPILLAR, INC</b>  <small>THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF CATERPILLAR, INC.</small></p>	<p><b>ELECTRICAL CIRCUIT CHARTER 13</b>                  CONNECTOR BODY COMPOSITE MATING VIEW SHOWN</p>
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SPLICE PACK  
(450M)



CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A	A11-GV	16	WH	1661208C1
B	A11-GVA	18	WH	1661208C1
C	A11-GVB	18	WH	1661208C1
D	A11-GVC	18	WH	1661208C1
E	A62-GVD	18	WH	1661208C1
F	A23-GL	18	WH	1661208C1
G	-	-	-	-
H	-	-	-	-
J	-	-	-	-
K	A11-GW	16	WH	1661208C1

CONNECTOR 2007315C1  
BODY LOCK 2007316C1

SPLICE PACK  
(451M)



CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A	A11-GU	16	WH	1661208C1
B	A11-GUA	18	WH	1661208C1
C	A11-GUB	18	WH	1661208C1
D	A11-GUC	18	WH	1661208C1
E	A11-GUD	18	WH	1661208C1
F	-	-	-	-
G	A11-GUF	18	WH	1661208C1
H	A11-GUG	18	WH	1661208C1
J	A63-GUH	18	WH	1661208C1
K	A11-GV	16	WH	1661208C1

CONNECTOR 2007315C1  
BODY LOCK 2007316C1

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
-	-	INITIAL RELEASE.	A	77636F	300371	CIRCUIT DIAGRAM, C-660, C680
					RELEASE NO.	DATE
					77636F	11MAY11
					PART NO.	SHEET
					AE08067064	029

CONNECTOR COMPOSITES (452M), (453M), P. 30


<p><b>CATERPILLAR, INC</b>  <small>THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF CATERPILLAR, INC.</small></p>	<p><b>ELECTRICAL CIRCUIT DIAGRAM 13</b>                  CONNECTOR BODY COMPOSITE MATING VIEW SHOWN</p>																																																							
<p>GROUND SPLICE PACK 7                  (452M)                  (LOCATED IN INSTRUMENT PANEL)</p> <div style="display: flex; align-items: center; justify-content: center;"> <div style="border: 1px solid black; padding: 2px; margin-right: 10px;">K</div> <div style="border: 1px solid black; padding: 2px; margin-right: 10px;">J</div> <div style="border: 1px solid black; padding: 2px; margin-right: 10px;">H</div> <div style="border: 1px solid black; padding: 2px; margin-right: 10px;">G</div> <div style="border: 1px solid black; padding: 2px; margin-right: 10px;">F</div> <div style="border: 1px solid black; padding: 2px; margin-right: 10px;">E</div> <div style="border: 1px solid black; padding: 2px; margin-right: 10px;">D</div> <div style="border: 1px solid black; padding: 2px; margin-right: 10px;">C</div> <div style="border: 1px solid black; padding: 2px; margin-right: 10px;">B</div> <div style="border: 1px solid black; padding: 2px; margin-right: 10px;">A</div> </div> <table border="1" style="margin-left: auto; margin-right: auto; 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>A11-GBB</td><td>16</td><td>WH</td><td>1661209C1</td></tr> <tr><td>B</td><td>A57-G</td><td>18</td><td>WH</td><td>1661208C1</td></tr> <tr><td>C</td><td>A66-GR</td><td>18</td><td>YL</td><td>1661208C1</td></tr> <tr><td>D</td><td>A56-G</td><td>18</td><td>WH</td><td>1661208C1</td></tr> <tr><td>E</td><td>A66-GL</td><td>18</td><td>YL</td><td>1661208C1</td></tr> <tr><td>F</td><td>A50-G</td><td>18</td><td>WH</td><td>1661208C1</td></tr> <tr><td>G</td><td>A12-GR</td><td>18</td><td>LTBL</td><td>1661208C1</td></tr> <tr><td>H</td><td>A58-G</td><td>18</td><td>WH</td><td>1661208C1</td></tr> <tr><td>J</td><td>A81-G</td><td>18</td><td>WH</td><td>1661208C1</td></tr> <tr><td>K</td><td>A82-GC</td><td>16</td><td>WH</td><td>1661209C1</td></tr> </tbody> </table> <p>CONNECTOR 2007315C1                  BODY LOCK 2007316C1</p>		CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	A	A11-GBB	16	WH	1661209C1	B	A57-G	18	WH	1661208C1	C	A66-GR	18	YL	1661208C1	D	A56-G	18	WH	1661208C1	E	A66-GL	18	YL	1661208C1	F	A50-G	18	WH	1661208C1	G	A12-GR	18	LTBL	1661208C1	H	A58-G	18	WH	1661208C1	J	A81-G	18	WH	1661208C1	K	A82-GC	16	WH	1661209C1
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL																																																				
A	A11-GBB	16	WH	1661209C1																																																				
B	A57-G	18	WH	1661208C1																																																				
C	A66-GR	18	YL	1661208C1																																																				
D	A56-G	18	WH	1661208C1																																																				
E	A66-GL	18	YL	1661208C1																																																				
F	A50-G	18	WH	1661208C1																																																				
G	A12-GR	18	LTBL	1661208C1																																																				
H	A58-G	18	WH	1661208C1																																																				
J	A81-G	18	WH	1661208C1																																																				
K	A82-GC	16	WH	1661209C1																																																				
<p>GROUND SPLICE PACK 4                  (453M)                  (LOCATED IN INSTRUMENT PANEL)</p> <div style="display: flex; align-items: center; justify-content: center;"> <div style="border: 1px solid black; padding: 2px; margin-right: 10px;">K</div> <div style="border: 1px solid black; padding: 2px; margin-right: 10px;">J</div> <div style="border: 1px solid black; padding: 2px; margin-right: 10px;">H</div> <div style="border: 1px solid black; padding: 2px; margin-right: 10px;">G</div> <div style="border: 1px solid black; padding: 2px; margin-right: 10px;">F</div> <div style="border: 1px solid black; padding: 2px; margin-right: 10px;">E</div> <div style="border: 1px solid black; padding: 2px; margin-right: 10px;">D</div> <div style="border: 1px solid black; padding: 2px; margin-right: 10px;">C</div> <div style="border: 1px solid black; padding: 2px; margin-right: 10px;">B</div> <div style="border: 1px solid black; padding: 2px; margin-right: 10px;">A</div> </div> <table border="1" style="margin-left: auto; margin-right: auto; 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>A11-GRD</td><td>16</td><td>WH</td><td>1661209C1</td></tr> <tr><td>B</td><td>A66-GA</td><td>14</td><td>WH</td><td>3566715C1</td></tr> <tr><td>C</td><td>A86-GT</td><td>14</td><td>WH</td><td>3566715C1</td></tr> <tr><td>D</td><td>A86-GS</td><td>14</td><td>WH</td><td>3566715C1</td></tr> <tr><td>E</td><td>A84-G</td><td>16</td><td>WH</td><td>1661209C1</td></tr> <tr><td>F</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>G</td><td>A86-G</td><td>18</td><td>WH</td><td>1661208C1</td></tr> <tr><td>H</td><td>A11-GY</td><td>16</td><td>WH</td><td>1661209C1</td></tr> <tr><td>J</td><td>A105-GR</td><td>18</td><td>WH</td><td>1661208C1</td></tr> <tr><td>K</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> </tbody> </table> <p>CONNECTOR 2007315C1                  BODY LOCK 2007316C1</p>		CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	A	A11-GRD	16	WH	1661209C1	B	A66-GA	14	WH	3566715C1	C	A86-GT	14	WH	3566715C1	D	A86-GS	14	WH	3566715C1	E	A84-G	16	WH	1661209C1	F	-	-	-	-	G	A86-G	18	WH	1661208C1	H	A11-GY	16	WH	1661209C1	J	A105-GR	18	WH	1661208C1	K	-	-	-	-
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL																																																				
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B	A66-GA	14	WH	3566715C1																																																				
C	A86-GT	14	WH	3566715C1																																																				
D	A86-GS	14	WH	3566715C1																																																				
E	A84-G	16	WH	1661209C1																																																				
F	-	-	-	-																																																				
G	A86-G	18	WH	1661208C1																																																				
H	A11-GY	16	WH	1661209C1																																																				
J	A105-GR	18	WH	1661208C1																																																				
K	-	-	-	-																																																				
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77636F	11MAY11	AE08067064	030																																																					

CONNECTOR COMPOSITES (454M), (455M), P. 31

<p><b>CATERPILLAR, INC</b>  <small>THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF CATERPILLAR, INC.</small></p>	<p><b>ELECTRICAL CIRCUIT <del>CHAPTER</del> 13</b>                  CONNECTOR BODY COMPOSITE MATING VIEW SHOWN</p>
---	--

GROUND SPLICE PACK 1  
(454M)  
(LOCATED IN INSTRUMENT PANEL)




CONNECTOR 2007315C1  
BODY LOCK 2007316C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A	A11-GY	10	WH	1661211C1
B	A94-GA	12	WH	3566715C1
C	A105-GL	18	WH	1661208C1
D	A75-GF	18	LTGN	1661208C1
E	A94-GL2	16	WH	1661209C1
F	A94-GL	18	GY	1661208C1
G	A11-GBM	18	WH	1661208C1
H&	A92-GT	16	TN	1661209C1
H&	A92D	16	TN	1661209C1
J	A11-GT	16	WH	1661209C1
K	-	-	-	-

& MUTUALLY EXCLUSIVE

GROUND SPLICE PACK 2  
(455M)  
(LOCATED IN INSTRUMENT PANEL)





CONNECTOR 2007315C1  
BODY LOCK 2007316C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A	A11-GE	10	WH	1661211C1
B	A81-GG	18	WH	1661208C1
C	A83-GA	14	WH	3566715C1
D	-	-	-	-
E	A62-GHL	16	WH	1661208C1
F	A78-G	20	WH	1661208C1
G	A62-GWL	18	WH	1661208C1
H	-	-	-	-
J	-	-	-	-
K	-	-	-	-

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
-	-	INITIAL RELEASE.	A	77636F	300371	CIRCUIT DIAGRAM, C-660, C680
					RELEASE NO.	DATE
					77636F	11MAY11
					PART NO.	SHEET
					AE08067064	031

CONNECTOR COMPOSITES (456M), (457M), P. 32


<p><b>CATERPILLAR, INC</b>  <small>THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF CATERPILLAR, INC.</small></p>	<p><b>ELECTRICAL CIRCUIT <del>CHAPTER</del> 13</b>                  CONNECTOR BODY COMPOSITE MATING VIEW SHOWN</p>																																																							
<p>GROUND SPLICE PACK 3                  (456M)                  (LOCATED IN INSTRUMENT PANEL)</p>																																																								
	<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>A11-GFS</td><td>16</td><td>WH</td><td>1661209C1</td></tr> <tr><td>B</td><td>A62-GMS</td><td>18</td><td>DKBL</td><td>1661208C1</td></tr> <tr><td>C</td><td>A62-GMH</td><td>16</td><td>DKBL</td><td>1661208C1</td></tr> <tr><td>D</td><td>A62-GDL</td><td>18</td><td>WH</td><td>1661208C1</td></tr> <tr><td>E</td><td>A62-GML</td><td>16</td><td>DKBL</td><td>1661209C1</td></tr> <tr><td>F</td><td>A62-GEB</td><td>18</td><td>DKBL</td><td>1661208C1</td></tr> <tr><td>G</td><td>A62-GES</td><td>18</td><td>DKBL</td><td>1661208C1</td></tr> <tr><td>H</td><td>A94-GBE</td><td>18</td><td>GY</td><td>1661208C1</td></tr> <tr><td>J</td><td>A94-GTC</td><td>18</td><td>LTGN</td><td>1661208C1</td></tr> <tr><td>K</td><td>A62-GFO</td><td>18</td><td>WH</td><td>1661208C1</td></tr> </tbody> </table>	CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	A	A11-GFS	16	WH	1661209C1	B	A62-GMS	18	DKBL	1661208C1	C	A62-GMH	16	DKBL	1661208C1	D	A62-GDL	18	WH	1661208C1	E	A62-GML	16	DKBL	1661209C1	F	A62-GEB	18	DKBL	1661208C1	G	A62-GES	18	DKBL	1661208C1	H	A94-GBE	18	GY	1661208C1	J	A94-GTC	18	LTGN	1661208C1	K	A62-GFO	18	WH	1661208C1
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL																																																				
A	A11-GFS	16	WH	1661209C1																																																				
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G	A62-GES	18	DKBL	1661208C1																																																				
H	A94-GBE	18	GY	1661208C1																																																				
J	A94-GTC	18	LTGN	1661208C1																																																				
K	A62-GFO	18	WH	1661208C1																																																				
<p>CONNECTOR 2007315C1                  BODY LOCK 2007316C1</p>																																																								
<p>GROUND SPLICE PACK 5                  (457M)                  (LOCATED IN INSTRUMENT PANEL)</p>																																																								
	<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>A11-GRE</td><td>16</td><td>WH</td><td>1661209C1</td></tr> <tr><td>B</td><td>A62-GPT</td><td>18</td><td>WH</td><td>1661208C1</td></tr> <tr><td>C</td><td>A62-GDF</td><td>18</td><td>WH</td><td>1661208C1</td></tr> <tr><td>D</td><td>A62-GHZ</td><td>18</td><td>DKBL</td><td>1661208C1</td></tr> <tr><td>E</td><td>A13-G</td><td>18</td><td>WH</td><td>1661208C1</td></tr> <tr><td>F</td><td>A13GM</td><td>18</td><td>WH</td><td>1661208C1</td></tr> <tr><td>G</td><td>A49-G</td><td>18</td><td>WH</td><td>1661208C1</td></tr> <tr><td>H</td><td>A11-GH</td><td>16</td><td>WH</td><td>1661208C1</td></tr> <tr><td>J</td><td>A62-GFL</td><td>18</td><td>WH</td><td>1661208C1</td></tr> <tr><td>K</td><td>A11-GU</td><td>16</td><td>WH</td><td>1661208C1</td></tr> </tbody> </table>	CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	A	A11-GRE	16	WH	1661209C1	B	A62-GPT	18	WH	1661208C1	C	A62-GDF	18	WH	1661208C1	D	A62-GHZ	18	DKBL	1661208C1	E	A13-G	18	WH	1661208C1	F	A13GM	18	WH	1661208C1	G	A49-G	18	WH	1661208C1	H	A11-GH	16	WH	1661208C1	J	A62-GFL	18	WH	1661208C1	K	A11-GU	16	WH	1661208C1
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL																																																				
A	A11-GRE	16	WH	1661209C1																																																				
B	A62-GPT	18	WH	1661208C1																																																				
C	A62-GDF	18	WH	1661208C1																																																				
D	A62-GHZ	18	DKBL	1661208C1																																																				
E	A13-G	18	WH	1661208C1																																																				
F	A13GM	18	WH	1661208C1																																																				
G	A49-G	18	WH	1661208C1																																																				
H	A11-GH	16	WH	1661208C1																																																				
J	A62-GFL	18	WH	1661208C1																																																				
K	A11-GU	16	WH	1661208C1																																																				
<p>CONNECTOR 2007315C1                  BODY LOCK 2007316C1</p>																																																								
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-	-	INITIAL RELEASE.	A	77636F	300371	CIRCUIT DIAGRAM, C-660, C680																																																		
					<small>RELEASE NO.</small> 77636F	<small>DATE</small> 11MAY11																																																		
					<small>PART NO.</small> AE08067064	<small>SHEET</small> 032																																																		

CONNECTOR COMPOSITES (458M), (465M), P. 33

<p><b>CATERPILLAR, INC</b>  <small>THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF CATERPILLAR, INC.</small></p>	<p><b>ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13</b>                  CONNECTOR BODY COMPOSITE MATING VIEW SHOWN</p>
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GROUND SPLICE PACK 6  
(458M)  
(LOCATED IN INSTRUMENT PANEL)

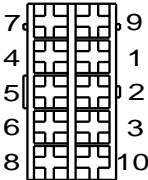


CONNECTOR 2007315C1  
BODY LOCK 2007316C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A	A11-GBA	16	WH	1661209C1
B	A75-G	14	WH	3566715C1
C	A12-G	18	LTBL	1661208C1
D	A13-GAD	18	PK	1661208C1
E	A81-GC	18	WH	1661208C1
F	A63-GW	18	WH	1661208C1
G	-	-	-	-
H	A11GT	14	WH	3566715C1
J	A13GE	16	WH	1661208C1
K	A95-G	16	WH	1661209C1

HEADLIGHT SWITCH  
(465M)  
(LOCATED IN INSTRUMENT PANEL)



CONNECTOR 3530407C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
1	PLUG	-	-	3532129C1	-
2	A50	18	YL	3532119C1	3532128C1
3	A58V	18	BN	3532119C1	3532128C1
4	PLUG	-	-	3532129C1	-
5	A50A	18	YL	3532119C1	3532128C1
6	A50B	18	YL	3532119C1	3532128C1
7	PLUG	-	-	3532129C1	-
8	A62-GHL	16	WH	3532125C1	3509903C1
9	A11-GUA	18	WH	3532119C1	3532128C1
10	A62HL	18	DKBL	3532119C1	3532128C1

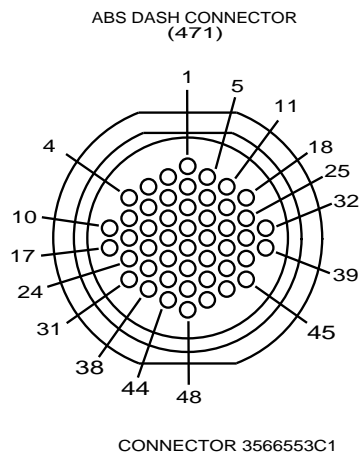
CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME			
-	-	INITIAL RELEASE.	A	77636F	300371	CIRCUIT DIAGRAM, C-660, C680			
					RELEASE NO.	DATE	PART NO.	SHEET	
					77636F	11MAY11	AE08067064	033	



CONNECTOR COMPOSITES (471), P. 34

**CATERPILLAR, INC**  
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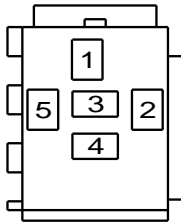


**ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13**  
 CONNECTOR BODY COMPOSITE MATING VIEW SHOWN



CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	-	-	-	-
2	-	-	-	-
3	-	-	-	-
4	-	-	-	-
5	-	-	-	-
6	-	-	-	-
7	-	-	-	-
8	-	-	-	-
9	-	-	-	-
10	-	-	-	-
11	-	-	-	-
12	-	-	-	-
13	-	-	-	-
14	-	-	-	-
15	-	-	-	-
16	-	-	-	-
17	-	-	-	-
18	-	-	-	-
19	-	-	-	-
20	-	-	-	-
21	-	-	-	-
22	-	-	-	-
23	-	-	-	-
24	-	-	-	-
25	-	-	-	-
26	L17-GA	16	WH	3566559C1
27	L98YL4(+)	18	YL	3566559C1
28	L98GN4(-)	18	GN	3566559C1
29	L17EM	16	PK	3566559C1
30	L92ER	16	TN	3566559C1
31	L92EL	16	TN	3566559C1
32	L92DL	18	TN	3566559C1
33	L92DM	18	TN	3566559C1
34	-	-	-	-
35	-	-	-	-
36	-	-	-	-
37	-	-	-	-
38	-	-	-	-
39	-	-	-	-
40	-	-	-	-
41	-	-	-	-
42	L3EB(+)	18	BK	3566559C1
43	L3EC(-)	18	BK	3566559C1
44	L17EA	16	PK	3566559C1
45	L92ET	16	TN	3566559C1
46	-	-	-	-
47	-	-	-	-
48	-	-	-	-

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
-	-	INITIAL RELEASE.	A	77636F	300371	CIRCUIT DIAGRAM, C-660, C680
					RELEASE NO. 77636F	DATE 11MAY11 PART NO. AE08067064 SHEET 034

CONNECTOR COMPOSITES (480M), (481M), (482M), P. 35

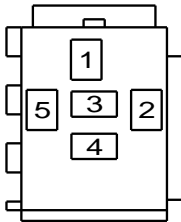
<p><b>CATERPILLAR, INC</b>  <small>THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF CATERPILLAR, INC.</small></p>	<p><b>ELECTRICAL CIRCUIT <del>CHAPTER</del> 13</b>                  CONNECTOR BODY COMPOSITE MATING VIEW SHOWN</p>																														
<p>TURN / HAZARD FLASHER                      (480M)                      (LOCATED IN INSTRUMENT PANEL)</p>																															
	<table border="1" style="border-collapse: collapse; width: 100%;"> <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>A55V</td> <td>12</td> <td>OR</td> <td>1661710C1</td> </tr> <tr> <td>5</td> <td>A55</td> <td>16</td> <td>OR</td> <td>1661709C1</td> </tr> </tbody> </table>	CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	1	-	-	-	-	2	-	-	-	-	3	-	-	-	-	4	A55V	12	OR	1661710C1	5	A55	16	OR	1661709C1
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL																											
1	-	-	-	-																											
2	-	-	-	-																											
3	-	-	-	-																											
4	A55V	12	OR	1661710C1																											
5	A55	16	OR	1661709C1																											
<p>CONNECTOR 0593385C1                  BODY LOCK 0593387C1</p>																															
<p>POWER SOURCE RECEPTACLE                      (481M)</p>																															
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CAV	CIRCUIT	GAUGE	COLOR	TERMINAL																											
A	A86K	14	LTGN	3534165C1																											
B	-	-	-	-																											
C	A86-GS	14	WH	3534165C1																											
<p>CONNECTOR 3613000C1                  BODY LOCK 3557682C1</p>																															
<p>POWER SOURCE - 2 POST                      (482M)</p>																															
	<table border="1" style="border-collapse: collapse; width: 100%;"> <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>A86M</td> <td>14</td> <td>LTGN</td> <td>3517476C1</td> </tr> <tr> <td>B</td> <td>A86-GT</td> <td>14</td> <td>WH</td> <td>3517476C1</td> </tr> </tbody> </table>	CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	A	A86M	14	LTGN	3517476C1	B	A86-GT	14	WH	3517476C1															
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL																											
A	A86M	14	LTGN	3517476C1																											
B	A86-GT	14	WH	3517476C1																											
<p>CONNECTOR 3517473C1</p>																															
<small>CHK</small>	<small>DATE</small>	<small>CHANGE</small>	<small>REV</small>	<small>REFERENCE</small>	<small>DRAWN</small>	<small>NAME</small>																									
-	-	INITIAL RELEASE.	A	77636F	300371	CIRCUIT DIAGRAM, C-660, C680																									
					<small>RELEASE NO.</small>	<small>DATE</small>																									
					77636F	11MAY11																									
					<small>PART NO.</small>	<small>SHEET</small>																									
					AE08067064	035																									

CONNECTOR COMPOSITES (483M), (503M), P. 36

<p><b>CATERPILLAR, INC</b> THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF CATERPILLAR, INC.</p>	<p><b>ELECTRICAL CIRCUIT <del>CHAPTER</del> 13</b> CONNECTOR BODY COMPOSITE MATING VIEW SHOWN</p>
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BLOWER MOTOR  
(483M)




CONNECTOR 0593385C1  
BODY LOCK 0593387C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	A75F	10	LTGN	1661710C1
2	A75-GHS	18	WH	1659673C1
3	A75T	18	LTGN	1659673C1
4	A75	10	LTGN	1661710C1
5	A75H	14	LTGN	1661709C1

PANEL LIGHT SPLICE ADAPTER 1  
(503M)  
(LOCATED IN INSTRUMENT PANEL)



CONNECTOR 2007315C1  
BODY LOCK 2007316C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A	A62A	16	DKBL	1661209C1
B	-	-	-	-
C	A62HL	18	DKBL	1661208C1
D	A62PL	18	DKBL	1661208C1
E	A62WL	18	DKBL	1661208C1
F	-	-	-	-
G	A62MSP	18	DKBL	1661208C1
H	-	-	-	-
J	A62TX	18	DKBL	1661208C1
K	A62BD	20	DKBL	1661208C1


CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
-	-	INITIAL RELEASE.	A	77636F	300371	CIRCUIT DIAGRAM, C-660, C680
					RELEASE NO.	DATE
					77636F	11MAY11
						PART NO. SHEET
						AE08067064 036

CONNECTOR COMPOSITES (504M), (506M), P. 37

<p><b>CATERPILLAR, INC</b>  <small>THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF CATERPILLAR, INC.</small></p>	<p><b>ELECTRICAL CIRCUIT <del>CHAPTER</del> 13</b>                  CONNECTOR BODY COMPOSITE MATING VIEW SHOWN</p>
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PANEL LIGHT SPLICE ADAPTER 2  
 (504M)  
 (LOCATED IN INSTRUMENT PANEL)




CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A	A62B	18	DKBL	1661208C1
B	A62PR	18	DKBL	1661208C1
C	A62MH	18	DKBL	1661208C1
D	A62DL	18	DKBL	1661208C1
E	A62ML	18	DKBL	1661208C1
F	A62EB	18	DKBL	1661208C1
G	A62ES	18	DKBL	1661208C1
H	A62FL	18	LTGN	1661208C1
J	A62TC	18	DKBL	1661208C1
K	A62FO	18	DKBL	1661208C1

CONNECTOR 2007315C1  
 BODY LOCK 2007316C1

PANEL LIGHT SPLICE ADAPTER 3  
 (506M)  
 (LOCATED IN INSTRUMENT PANEL)



CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A	A62C	18	DKBL	1661208C1
B	A62RT	18	DKBL	1661208C1
C	A62PT	18	DKBL	1661208C1
D	A62DF	18	DKBL	1661208C1
E	A62T	18	DKBL	1661208C1
F&	A62S	18	DKBL	1661208C1
F&	A62S	16	DKBL	1661208C1
G	A62FM	18	DKBL	1661208C1
H	A62AS	16	DKBL	1661208C1
J	-	-	-	-
K	-	-	-	-


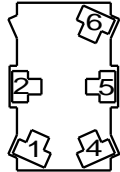
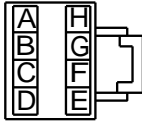
& MUTUALLY EXCLUSIVE

CONNECTOR 2007315C1  
 BODY LOCK 2007316C1

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
-	-	INITIAL RELEASE.	A	77636F	300371	CIRCUIT DIAGRAM, C-660, C680
					RELEASE NO.	DATE
					77636F	11MAY11
						PART NO.
						AE08067064
						SHEET
						037

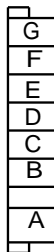
CONNECTOR COMPOSITES (509M), (511M), (513M), P. 38

<p><b>CATERPILLAR, INC</b>  <small>THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF CATERPILLAR, INC.</small></p>	<p><b>ELECTRICAL CIRCUIT <del>CHAPTER</del> 13</b>                  CONNECTOR BODY COMPOSITE MATING VIEW SHOWN</p>																																																		
<p>START FEED ADAPTER                  (509M)                  (LOCATED IN INSTRUMENT PANEL)</p>																																																			
	<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>A17D</td><td>14</td><td>PK</td><td>3566715C1</td></tr> <tr><td>A#</td><td>A17B</td><td>14</td><td>PK</td><td>3566715C1</td></tr> <tr><td>B*</td><td>A17</td><td>18</td><td>LTGN</td><td>1661208C1</td></tr> <tr><td>B#</td><td>A17</td><td>16</td><td>PK</td><td>1661209C1</td></tr> <tr><td>C</td><td>A17F</td><td>18</td><td>PK</td><td>1661208C1</td></tr> <tr><td>D</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>E</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>F</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>G</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> </tbody> </table> <p style="font-size: small; margin-top: 10px;">* W/ MANUAL AND CAT TRANSMISSION                  # W/ ALLISON TRANSMISSION</p>	CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	A*	A17D	14	PK	3566715C1	A#	A17B	14	PK	3566715C1	B*	A17	18	LTGN	1661208C1	B#	A17	16	PK	1661209C1	C	A17F	18	PK	1661208C1	D	-	-	-	-	E	-	-	-	-	F	-	-	-	-	G	-	-	-	-
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL																																															
A*	A17D	14	PK	3566715C1																																															
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E	-	-	-	-																																															
F	-	-	-	-																																															
G	-	-	-	-																																															
<p>CONNECTOR 2006789C1                  BODY LOCK 2006792C1</p>																																																			
<p>BLINK CODE SWITCH                  (511M)</p>																																																			
	<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>-</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>2</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>A94H</td><td>16</td><td>GY</td><td>1661226C1</td></tr> <tr><td>6</td><td>A94-GL</td><td>18</td><td>GY</td><td>1661224C1</td></tr> </tbody> </table>	CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	1	-	-	-	-	2	-	-	-	-	4	-	-	-	-	5	A94H	16	GY	1661226C1	6	A94-GL	18	GY	1661224C1																				
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL																																															
1	-	-	-	-																																															
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4	-	-	-	-																																															
5	A94H	16	GY	1661226C1																																															
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<p>CONNECTOR 1661256C1</p>																																																			
<p>DRL                  (513M)                  (LOCATED IN INSTRUMENT PANEL)</p>																																																			
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F	A66H	16	YL	1661209C1																																															
G	A66D	14	YL	3566715C1																																															
H	A66A	14	YL	3566715C1																																															
<p>CONNECTOR 2005835C1                  BODY LOCK 2006503C1</p>																																																			
CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME																																													
-	-	INITIAL RELEASE.	A	77636F	300371	CIRCUIT DIAGRAM, C-660, C680																																													
					RELEASE NO.	DATE	PART NO.																																												
					77636F	11MAY11	AE08067064 038																																												

CONNECTOR COMPOSITES (514M), (515M), P. 39

<p><b>CATERPILLAR, INC</b>  <small>THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF CATERPILLAR, INC.</small></p>	<p><b>ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13</b>                  CONNECTOR BODY COMPOSITE MATING VIEW SHOWN</p>
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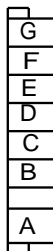
D1 - DATA LINK POSITIVE  
 (514M)  
 (LOCATED IN INSTRUMENT PANEL)



CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A	-	-	-	-
B	-	-	-	-
C	-	-	-	-
D	-	-	-	-
E	L3U(+)	18	BK	1661208C1
F	-	-	-	-
G	-	-	-	-

CONNECTOR 2006789C1  
 BODY LOCK 2006792C1

D2 - DATA LINK NEGATIVE  
 (515M)  
 (LOCATED IN INSTRUMENT PANEL)






CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A	-	-	-	-
B	-	-	-	-
C	-	-	-	-
D	-	-	-	-
E	L3V(-)	18	BK	1661208C1
F	-	-	-	-
G	-	-	-	-



CONNECTOR 2006789C1  
 BODY LOCK 2006792C1

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME	
-	-	INITIAL RELEASE.	A	77636F	300371	CIRCUIT DIAGRAM, C-660, C680	
					RELEASE NO.	DATE	PART NO. SHEET
					77636F	11MAY11	AE08067064 039

CONNECTOR COMPOSITES (520), (521), (522), P. 40




<p><b>CATERPILLAR, INC</b>  <small>THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF CATERPILLAR, INC.</small></p>	<p><b>ELECTRICAL CIRCUIT <del>CHAPTER</del> 13</b>                  CONNECTOR BODY COMPOSITE MATING VIEW SHOWN</p>																													
<p>CLEARANCE LIGHT (520) (LOCATED IN SUNSHADE)</p>  <p>CONNECTOR 1661259C1 BODY LOCK 1661263C1</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>A</td> <td>C58B</td> <td>18</td> <td>BN</td> <td>1661261C1</td> </tr> <tr> <td>B</td> <td>C58-GB</td> <td>18</td> <td>WH</td> <td>1661261C1</td> </tr> </tbody> </table>	CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	A	C58B	18	BN	1661261C1	B	C58-GB	18	WH	1661261C1														
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL																										
A	C58B	18	BN	1661261C1																										
B	C58-GB	18	WH	1661261C1																										
<p>CLEARANCE LIGHT (521) (LOCATED IN SUNSHADE)</p>  <p>CONNECTOR 1661259C1 BODY LOCK 1661263C1</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>A</td> <td>C58C</td> <td>18</td> <td>BN</td> <td>1661261C1</td> </tr> <tr> <td>B</td> <td>C58-GC</td> <td>18</td> <td>WH</td> <td>1661261C1</td> </tr> </tbody> </table>	CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	A	C58C	18	BN	1661261C1	B	C58-GC	18	WH	1661261C1														
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL																										
A	C58C	18	BN	1661261C1																										
B	C58-GC	18	WH	1661261C1																										
<p>CLEARANCE LIGHT (522) (LOCATED IN SUNSHADE)</p>  <p>CONNECTOR 1661259C1 BODY LOCK 1661263C1</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>A</td> <td>C58D</td> <td>18</td> <td>BN</td> <td>1661261C1</td> </tr> <tr> <td>B</td> <td>C58-GD</td> <td>18</td> <td>WH</td> <td>1661261C1</td> </tr> </tbody> </table>	CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	A	C58D	18	BN	1661261C1	B	C58-GD	18	WH	1661261C1														
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL																										
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<table border="1" style="width: 100%; border-collapse: collapse;"> <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>-</td> <td>-</td> <td>INITIAL RELEASE.</td> <td>A</td> <td>77636F</td> <td>300371</td> <td>CIRCUIT DIAGRAM, C-660, C680</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td>77636F</td> <td>10MAY11</td> </tr> </tbody> </table>	CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME	-	-	INITIAL RELEASE.	A	77636F	300371	CIRCUIT DIAGRAM, C-660, C680						77636F	10MAY11	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>RELEASE NO.</th> <th>DATE</th> <th>PART NO.</th> <th>SHEET</th> </tr> </thead> <tbody> <tr> <td>77636F</td> <td>10MAY11</td> <td>AE08067064</td> <td>040</td> </tr> </tbody> </table>	RELEASE NO.	DATE	PART NO.	SHEET	77636F	10MAY11	AE08067064	040
CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME																								
-	-	INITIAL RELEASE.	A	77636F	300371	CIRCUIT DIAGRAM, C-660, C680																								
					77636F	10MAY11																								
RELEASE NO.	DATE	PART NO.	SHEET																											
77636F	10MAY11	AE08067064	040																											

CONNECTOR COMPOSITES (523), (524), P. 41


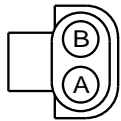
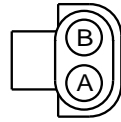
<p><b>CATERPILLAR, INC</b>  <small>THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF CATERPILLAR, INC.</small></p>	<p><b>ELECTRICAL CIRCUIT <del>CHAPTER</del> 13</b>                  CONNECTOR BODY COMPOSITE MATING VIEW SHOWN</p>															
<p>CLEARANCE LIGHT (523) (LOCATED IN SUNSHADE)</p> <div style="display: flex; justify-content: space-around; align-items: center;">  <table border="1" style="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>C58E</td> <td>18</td> <td>BN</td> <td>1661261C1</td> </tr> <tr> <td>B</td> <td>C58-GE</td> <td>18</td> <td>WH</td> <td>1661261C1</td> </tr> </tbody> </table> </div> <p style="margin-top: 20px;">CONNECTOR 1661259C1 BODY LOCK 1661263C1</p>		CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	A	C58E	18	BN	1661261C1	B	C58-GE	18	WH	1661261C1
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL												
A	C58E	18	BN	1661261C1												
B	C58-GE	18	WH	1661261C1												
<p>CLEARANCE LIGHT (524) (LOCATED IN SUNSHADE)</p> <div style="display: flex; justify-content: space-around; align-items: center;">  <table border="1" style="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>C58F</td> <td>18</td> <td>BN</td> <td>1661261C1</td> </tr> <tr> <td>B</td> <td>C58-GF</td> <td>18</td> <td>WH</td> <td>1661261C1</td> </tr> </tbody> </table> </div> <p style="margin-top: 20px;">CONNECTOR 1661259C1 BODY LOCK 1661263C1</p>		CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	A	C58F	18	BN	1661261C1	B	C58-GF	18	WH	1661261C1
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL												
A	C58F	18	BN	1661261C1												
B	C58-GF	18	WH	1661261C1												
CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME										
-	-	INITIAL RELEASE.	A	77636F	300371	CIRCUIT DIAGRAM, C-660, C680										
					RELEASE NO.	DATE	PART NO. SHEET									
					77636F	11MAY11	AE08067064 041									






CONNECTOR COMPOSITES (528), (529), (530), P. 42

<p><b>CATERPILLAR, INC</b>  <small>THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF CATERPILLAR, INC.</small></p>	<p><b>ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13</b>                  CONNECTOR BODY COMPOSITE MATING VIEW SHOWN</p>																																			
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CONNECTOR COMPOSITES (531), (540), (541), P. 43

<p><b>CATERPILLAR, INC</b> THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF CATERPILLAR, INC.</p>	<p><b>ELECTRICAL CIRCUIT <del>CHAPTER</del> 13</b> CONNECTOR BODY COMPOSITE MATING VIEW SHOWN</p>																																														
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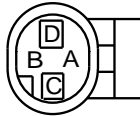
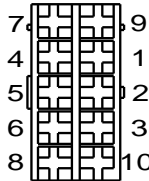
CONNECTOR COMPOSITES (563M), (564M), (565M), P. 44

<b>CATERPILLAR, INC</b> <small>THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF CATERPILLAR INC.</small>		<b>ELECTRICAL CIRCUIT <del>CHAPTER</del> 13</b> CONNECTOR BODY COMPOSITE MATING VIEW SHOWN																								
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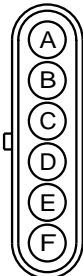
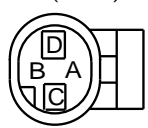
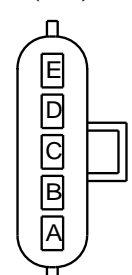
CONNECTOR COMPOSITES (566), (567M), (568), (569M), P. 45

<p><b>CATERPILLAR, INC</b> THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF CATERPILLAR, INC.</p>	<p><b>ELECTRICAL CIRCUIT</b> <del>CHAPTER</del> <b>13</b> CONNECTOR BODY COMPOSITE MATING VIEW SHOWN</p>																																																							
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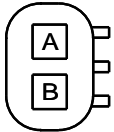
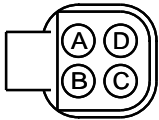
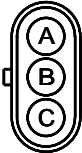
CONNECTOR COMPOSITES (604), (640), (659), P. 46

<p><b>CATERPILLAR, INC</b>  <small>THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF CATERPILLAR, INC.</small></p>	<p><b>ELECTRICAL CIRCUIT <del>CHAPTER</del> 13</b>                  CONNECTOR BODY COMPOSITE MATING VIEW SHOWN</p>																																																							
<p>CONNECTS TO ROOF HARNESS (604)</p> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="border: 1px solid black; padding: 5px; text-align: center;">                 B A             </div> <table border="1" style="font-size: 8px;"> <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>D63U</td> <td>18</td> <td>DKBL</td> <td>1661262C1</td> </tr> <tr> <td>B</td> <td>D63-GU</td> <td>18</td> <td>WH</td> <td>1661262C1</td> </tr> </tbody> </table> </div> <p>CONNECTOR 11661260C1                  BODY LOCK 1661264C1</p>	CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	A	D63U	18	DKBL	1661262C1	B	D63-GU	18	WH	1661262C1																																									
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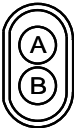
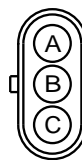
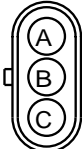
CONNECTOR COMPOSITES (679F), (742F), (828), P. 47

<p><b>CATERPILLAR, INC</b>  <small>THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF CATERPILLAR, INC.</small></p>	<p><b>ELECTRICAL CIRCUIT <del>CHAPTER</del> 13</b>                  CONNECTOR BODY COMPOSITE MATING VIEW SHOWN</p>																																										
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CONNECTOR COMPOSITES (828), (851M), (873F), P. 48

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<p><b>BACK-UP LIGHT CONNECTOR (828)</b></p> <div style="display: flex; justify-content: space-around; align-items: center;">  <table border="1" style="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>RD</td> <td>14</td> <td>RD</td> <td>2033912C1</td> <td>0589391C1</td> </tr> <tr> <td>B</td> <td>WH</td> <td>14</td> <td>WH</td> <td>2033912C1</td> <td>0589391C1</td> </tr> </tbody> </table> </div> <p style="text-align: center;">CONNECTOR 1671611C1 BODY LOCK 1671608C1</p>		CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE	A	RD	14	RD	2033912C1	0589391C1	B	WH	14	WH	2033912C1	0589391C1																												
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C	K92RG	16	TN	0587577C1	1652325C1																																										
<table border="1" style="width: 100%; border-collapse: collapse; font-size: small;"> <tr> <td style="width: 5%;">CHK</td> <td style="width: 10%;">DATE</td> <td style="width: 25%;">CHANGE</td> <td style="width: 5%;">REV</td> <td style="width: 10%;">REFERENCE</td> <td style="width: 10%;">DRAWN</td> <td style="width: 35%;">NAME</td> </tr> <tr> <td>-</td> <td>-</td> <td>INITIAL RELEASE.</td> <td>A</td> <td>77636F</td> <td>300371</td> <td>CIRCUIT DIAGRAM, C-660, C680</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td>RELEASE NO.</td> <td>DATE</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td>77636F</td> <td>11MAY11</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td>PART NO.</td> <td>SHEET</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td>AE08067064</td> <td>048</td> </tr> </table>						CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME	-	-	INITIAL RELEASE.	A	77636F	300371	CIRCUIT DIAGRAM, C-660, C680						RELEASE NO.	DATE						77636F	11MAY11						PART NO.	SHEET						AE08067064	048
CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME																																									
-	-	INITIAL RELEASE.	A	77636F	300371	CIRCUIT DIAGRAM, C-660, C680																																									
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					77636F	11MAY11																																									
					PART NO.	SHEET																																									
					AE08067064	048																																									

CONNECTOR COMPOSITES (887), (950F), (958F), P. 49

<p><b>CATERPILLAR, INC</b>  <small>THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF CATERPILLAR, INC.</small></p>	<p><b>ELECTRICAL CIRCUIT <del>CHAPTER</del> 13</b>                  CONNECTOR BODY COMPOSITE MATING VIEW SHOWN</p>																																			
<p style="text-align: center;">APADS (887)</p> <div style="text-align: center;">  </div> <p style="text-align: center;">CONNECTOR 0587567C91</p>	<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="font-size: small;">* W/ FAN OVERRIDE # N/ FAN OVERRIDE</p>	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																															
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B	K77AE	14	LTGN	0587577C1	0589391C1																															
<p style="text-align: center;">RETARDER MODULATION INTENSITY (950F)</p> <div style="text-align: center;">  </div> <p style="text-align: center;">CONNECTOR 0587569C91</p>	<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>K92RE</td> <td>16</td> <td>TN</td> <td>0587577C1</td> <td>1652325C1</td> </tr> <tr> <td>B</td> <td>K92RF</td> <td>16</td> <td>TN</td> <td>0587577C1</td> <td>1652325C1</td> </tr> <tr> <td>C</td> <td>K92RG</td> <td>16</td> <td>TN</td> <td>0587577C1</td> <td>1652325C1</td> </tr> </tbody> </table>	CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE	A	K92RE	16	TN	0587577C1	1652325C1	B	K92RF	16	TN	0587577C1	1652325C1	C	K92RG	16	TN	0587577C1	1652325C1											
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C	K92RG	16	TN	0587577C1	1652325C1																															
<p style="text-align: center;">REMOTE CRUISE (958F)</p> <div style="text-align: center;">  </div> <p style="text-align: center;">CONNECTOR 0587569C91</p>	<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>K97BA</td> <td>18</td> <td>VT</td> <td>0587578C1</td> <td>1652325C1</td> </tr> <tr> <td>B</td> <td>K97-GG</td> <td>18</td> <td>VT</td> <td>0587578C1</td> <td>1652325C1</td> </tr> <tr> <td>C</td> <td>K97BB</td> <td>18</td> <td>VT</td> <td>0587578C1</td> <td>1652325C1</td> </tr> </tbody> </table>	CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE	A	K97BA	18	VT	0587578C1	1652325C1	B	K97-GG	18	VT	0587578C1	1652325C1	C	K97BB	18	VT	0587578C1	1652325C1											
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE																															
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B	K97-GG	18	VT	0587578C1	1652325C1																															
C	K97BB	18	VT	0587578C1	1652325C1																															
<table border="1" style="width: 100%; border-collapse: collapse; font-size: x-small;"> <tr> <th>CHK</th> <th>DATE</th> <th>CHANGE</th> <th>REV</th> <th>REFERENCE</th> <th>DRAWN</th> <th>NAME</th> </tr> <tr> <td>-</td> <td>-</td> <td>INITIAL RELEASE.</td> <td>A</td> <td>77636F</td> <td>300371</td> <td>CIRCUIT DIAGRAM, C-660, C680</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td>RELEASE NO. 77636F</td> <td>DATE 11MAY11</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>PART NO. AE08067064</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>SHEET 049</td> </tr> </table>		CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME	-	-	INITIAL RELEASE.	A	77636F	300371	CIRCUIT DIAGRAM, C-660, C680						RELEASE NO. 77636F	DATE 11MAY11							PART NO. AE08067064							SHEET 049
CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME																														
-	-	INITIAL RELEASE.	A	77636F	300371	CIRCUIT DIAGRAM, C-660, C680																														
					RELEASE NO. 77636F	DATE 11MAY11																														
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						SHEET 049																														



CONNECTOR COMPOSITES (1001-M1), P. 50

<p><b>CATERPILLAR, INC</b></p> <p>THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF CATERPILLAR, INC.</p>	<p><b>ELECTRICAL CIRCUIT CHARTER 13</b></p> <p>CONNECTOR BODY COMPOSITE MATING VIEW SHOWN</p>
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FUSEBLOCK # 1-3  
(1001-M1)

CONNECTOR 3535703C91  
BODY LOCK1 3536085C1 (QTY 3)  
BODY LOCK2 3599541C1 (QTY 12)

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
M1-A1	A71FB	18	OR	3515517C1	M1-D3	A94VT	12	GY	3573311C1
M1-B1	A71	16	OR	3515517C1	M1-E3	(A11GT)	-	-	3536304C1
M1-C1	A11GS	14	WH	3536301C1	M1-F3	A54VT	12	BN	3573311C1
M1-D1	A17-G	18	WH	3515517C1	M1-G3	(A11GT)	-	-	3536304C1
M1-E1	(A11GS)	-	-	3536301C1	M1-H3	A56VT	12	OR	3573311C1
M1-F1	A70B	14	OR	3573312C1	M1-J3	-	-	-	-
M1-G1	(A11GS)	-	-	3536301C1	M1-A4	A70T	10	OR	3515518C1
M1-H1	A57VT	12	OR	3573311C1	M1-B4	A70D	18	OR	3515517C1
M1-J1	-	-	-	-	M1-C4	A94T	12	GY	3573311C1
M1-A2	A71A	16	OR	3573312C1	M1-D4	A94CT	18	GY	3515517C1
M1-B2	A71B	18	OR	3573312C1	M1-E4	A54T	12	BN	3573311C1
M1-C2&	A92	18	TN	3515517C1	M1-F4	A54CT	18	BN	3515517C1
M1-C2&	A44	18	GY	3573312C1	M1-G4	A56T	12	OR	3573311C1
M1-C2&	A44A	16	GY	3573312C1	M1-H4	A56CT	18	OR	3515517C1
M1-C2&	A44	18	GY	3536295C1	M1-J4	-	-	-	-
M1-C2&	A44A	16	GY	3536295C1					
M1-D2	A17F	18	PK	3515517C1					
M1-E2	A70BA	14	OR	3516158C1					
M1-F2	A94SS	18	GY	3515517C1					
M1-G2	A57T	12	OR	3516158C1					
M1-H2	A57CT	18	OR	3515517C1					
M1-J2	-	-	-	-					
M1-A3	A11GT	14	WH	3536304C1					
M1-B3	A70E	10	OR	3515518C1					
M1-C3	(A11GT)	-	-	3536304C1					

& MUTUALLY EXCLUSIVE

CHART CONTINUED TO SHEET NO 51

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME			
-	-	INITIAL RELEASE.	A	77636F	300371	CIRCUIT DIAGRAM, C-660, C680			
					RELEASE NO.	DATE	PART NO.	SHEET	
					77636F	11MAY11	AE08067064	050	

CONNECTOR COMPOSITES (1001-M2), (1001-M3), P. 51

<p><b>CATERPILLAR, INC</b>  <small>THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF CATERPILLAR, INC.</small></p>	<p><b>ELECTRICAL CIRCUIT CHARTER 13</b>                  CONNECTOR BODY COMPOSITE MATING VIEW SHOWN</p>
---	---

CHART CONTINUED FROM SHEET NO 50

FUSEBLOCK # 1-3  
(1001-M2)

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
M2-A1	(A13GE)	-	-	3536303C1
M2-B1	A68BBV	14	BN	3516158C1
M2-C1	(A13GE)	-	-	3536303C1
M2-D1	A71BBV	16	LTBL	3573312C1
M2-E1	(A13GE)	-	-	3536303C1
M2-F1	A12BBV	14	LTBL	3573312C1
M2-G1	A13GE	16	WH	3536303C1
M2-H1	A14HC	10	RD	3573311C1
M2-J1	-	-	-	-
M2-A2	A68BB	14	BN	3573312C1
M2-B2	A68BBC	18	BN	3573312C1
M2-C2	A54BBC	18	BN	3573312C1
M2-D2	A71BB	16	LTBL	3573312C1
M2-E2	A71AC	16	OR	3536295C1
M2-F2	A71B	18	OR	3515517C1
M2-G2	A71A	16	OR	3536295C1
M2-H2	A12BB	14	LTBL	3516158C1
M2-J2	A12BBC	18	LTBL	3515517C1
M2-A3	A13D	16	PK	3536295C1
M2-B3	A13E	16	PK	3536295C1
M2-C3	A13F	18	PK	3515517C1
M2-D3	-	-	-	-
M2-E3	A49-GA	18	WH	3536295C1
M2-F3	A49-GB	18	WH	3536295C1
M2-G3	A49G	18	GY	3515517C1
M2-H3	A49GA	18	GY	3515517C1
M2-J3	A49VB	18	GY	3515517C1
M2-A4	-	-	-	-
M2-B4	-	-	-	-
M2-C4	-	-	-	-
M2-D4	-	-	-	-
M2-E4	-	-	-	-
M2-F4	-	-	-	-
M2-G4	-	-	-	-
M2-H4	-	-	-	-
M2-J4	-	-	-	-

FUSEBLOCK # 1-3  
(1001-M3)

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
M3-A1	-	-	-	-
M3-B1	-	-	-	-
M3-C1	-	-	-	-
M3-D1	-	-	-	-
M3-E1	-	-	-	-
M3-F1	-	-	-	-
M3-G1	-	-	-	-
M3-H1	-	-	-	-
M3-J1	-	-	-	-
M3-A2	A13EB	12	PK	3536304C1
M3-B2	-	-	-	-
M3-C2	(A13EB)	-	-	3536304C1
M3-D2	-	-	-	-
M3-E2	(A13EB)	-	-	3536304C1
M3-F2&	A44V	18	GY	3573312C1
M3-G2	A97ALV	18	VT	3573312C1
M3-H2	(A13EB)	-	-	3536304C1
M3-J2	A13BB	18	PK	3515517C1
M3-A3	A13BB	16	PK	3515517C1
M3-B3	-	-	-	-
M3-C3	A13DA	12	PK	3536304C1
M3-D3	A13D	16	PK	3515517C1
M3-E3	(A13DA)	-	-	3536304C1
M3-F3	-	-	-	-
M3-G3	A95	18	TN	3515517C1
M3-H3	(A13DA)	-	-	3536304C1
M3-J3	A97CR	18	VT	3515517C1
M3-A4	-	-	-	-
M3-B4	-	-	-	-
M3-C4	A13EA	12	PK	3536304C1
M3-D4	(A13EA)	-	-	3536304C1
M3-E4	A13DF	16	PK	3515517C1
M3-F4	(A13EA)	-	-	3536304C1
M3-G4	A49VA	18	GY	3573312C1
M3-H4	(A13EA)	-	-	3536304C1
M3-J4	A13EB	12	PK	3536304C1
M3-A5	A13TC	16	PK	3573312C1
M3-B5	-	-	-	-
M3-C5	-	-	-	-
M3-D5	-	-	-	-
M3-E5	-	-	-	-
M3-F5	-	-	-	-
M3-G5	-	-	-	-
M3-H5	-	-	-	-
M3-J5	-	-	-	-

& MUTUALLY EXCLUSIVE

CHART CONTINUED TO SHEET NO 52

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
-	-	INITIAL RELEASE.	A	77636F	300371	CIRCUIT DIAGRAM, C-660, C680
					RELEASE NO.	DATE
					77636F	11MAY11
					PART NO.	SHEET
					AE08067064	051

CONNECTOR COMPOSITES (1001-M2), (1001-M3), P. 52

<p><b>CATERPILLAR, INC</b></p> <p>THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF CATERPILLAR, INC.</p>	<p><b>ELECTRICAL CIRCUIT CHARTER 13</b></p> <p>CONNECTOR BODY COMPOSITE MATING VIEW SHOWN</p>
--	---

CHART CONTINUED FROM SHEET NO 51

FUSE LOCATION	CAVITY	RATING	PART NUMBER	DESCRIPTION
			FUSE	
F1-A	G1-H1	-	-	-
F1-B	G2-H2	15	3534210C1	TCM IGNITION
F1-C	G3-H3	15	3534210C1	CRUISE CONTROL
F1-D	G4-H4	10	3534209C1	PTO COOLING FAN
F1-E	E1-F1	-	-	-
F1-F	E2-F2	5	3534208C1	PARK BRAKE SWITCH
F1-G	E3-F3	10	3534209C1	AFTERTREATMENT
F1-H	E4-F4	5	3534208C1	DIFFERENTIAL LOCK
F1-J	A1-B1	-	-	-
F1-K	A2-B2	-	-	-
F1-L	A3-B3	10	3534209C1	IGNITION SPLICE PACK
F1-M	A4-B4	15	3534210C1	ECM SENSOR INTERFACE IGNITION

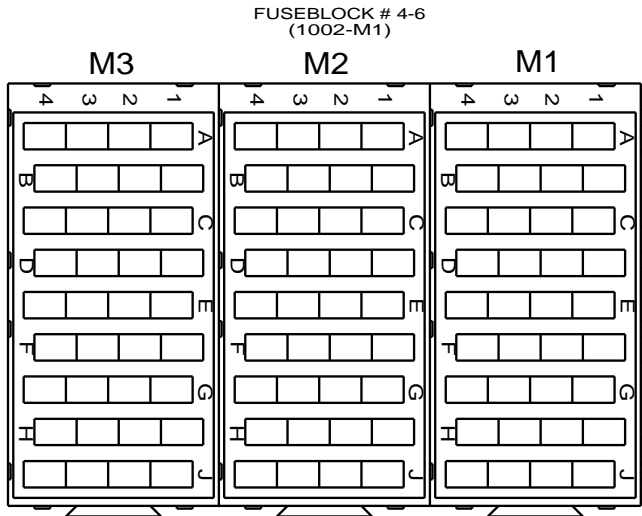
RELAY LOCATION - CAVITY	PART NUMBER	DESCRIPTION
A1, A2, B1, B2	2012557C1	BODY TAIL RELAY
A3, A4, B3, B4	2012557C1	DIFFERENTIAL LOCK CONTROL
C1, C2, D1, D2	2012557C1	BODY BACK-UP LIGHT
C3, C4, D3, D4	2012557C1	DIFFERENTIAL LOCK LATCH
E1, E2, F1, F2	2012557C1	BODY ACCESSORY RELAY
G1, G2, H1, H2	2012557C1	IGNITION RELAY

RELAY LOCATION - CAVITY	PART NUMBER	DESCRIPTION
A1, A2, B1, B2	2012557C1	REVERSE RANGE RELAY
A3, A4, B3, B4	2012557C1	TRAILER STOP RELAY
C1, C2, D1, D2	2012557C1	START SWITCH GROUND
C3, C4, D3, D4	2012557C1	ABS TRAILER RELAY
E1, E2, F1, F2	2012557C1	STOP LIGHT RELAY
E3, E4, F3, F4	2012557C1	TRAILER MARKER RELAY
G1, G2, H1, H2	3607384C1	TRAILER R TURN RELAY
G3, G4, H3, H4	3607384C1	TRAILER L TURN RELAY

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
-	-	INITIAL RELEASE.	A	77636F	300371	CIRCUIT DIAGRAM, C-660, C680
					RELEASE NO.	DATE
					77636F	11MAY11
					PART NO.	SHEET
					AE08067064	052

CONNECTOR COMPOSITES (1002-M1), P. 53

<p><b>CATERPILLAR, INC</b>                  THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF CATERPILLAR, INC.</p>	<p><b>ELECTRICAL CIRCUIT CHARTER 13</b>                  CONNECTOR BODY COMPOSITE MATING VIEW SHOWN</p>
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CONNECTOR 3535703C91  
 BODY LOCK1 3536085C1 (QTY-3)  
 BODY LOCK2 3599541C1 (QTY-12)

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
M1-A1	A75-G	14	WH	3536304C1
M1-B1	A77T	14	LTGN	3516158C1
M1-C1	(A75-G)			3536304C1
M1-D1	A75A	14	LTGN	3573312C1
M1-E1	(A75-G)			3536304C1
M1-F1	A75D	18	LTGN	3515517C1
M1-G1	(A75-G)			3536304C1
M1-H1	-	-	-	-
M1-J1	-	-	-	-
M1-A2	A77H	18	LTGN	3515517C1
M1-B2	A77W	18	LTGN	3515517C1
M1-C2	A75BL	18	LTGN	3515517C1
M1-D2	A13BH	18	PK	3515517C1
M1-E2	A75M	18	LTGN	3515517C1
M1-F2	A75N	14	LTGN	3573312C1
M1-G2	-	-	-	-
M1-H2	-	-	-	-
M1-J2	-	-	-	-
M1-A3	A12-G	18	LTBL	3515517C1
M1-B3	A83V	12	LTGN	3516158C1
M1-C3	-	-	-	-
M1-D3	A39V	16	GY	3515517C1
M1-E3	A85D	18	GY	3515517C1
M1-F3	A85D	18	GY	3573312C1
M1-G3	A85	16	GY	3573312C1
M1-H3	A81N	18	LTGN	3573312C1
M1-J3	A81P	18	LTGN	3573312C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
M1-H3	-	-	-	-
M1-J3	A81J	18	LTGN	3573312C1
M1-A4	A81K	18	LTGN	3573312C1
M1-B4	A83DA	12	LTGN	3573311C1
M1-C4	A12C	18	LTBL	3515517C1
M1-D4	A39B	16	GY	3573312C1
M1-E4	A13-GAD	18	PK	3515517C1
M1-F4	A85B	16	GY	3573312C1
M1-G4	A85C	18	GY	3515517C1
M1-H4	A81VA	18	LTGN	3536300C1
M1-J4	A81-GB	18	LTGN	3515517C1
M1-K4	(A81VA)	-	-	3536300C1

CHART CONTINUED TO SHEET NO 54

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME	
-	-	INITIAL RELEASE.	A	77636F	300371	CIRCUIT DIAGRAM, C-660, C680	
					RELEASE NO.	DATE	PART NO. SHEET
					77636F	11MAY11	AE08067064 053

CONNECTOR COMPOSITES (1002-M2), (1002-M3), P. 54

<b>CATERPILLAR, INC</b>				<b>ELECTRICAL CIRCUIT <del>DIAGRAM</del> CHAPTER 13</b>																																																																																																																																																																																																																																																																																																																																																																																																																		
THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF CATERPILLAR, INC.				CONNECTOR BODY COMPOSITE MATING VIEW SHOWN																																																																																																																																																																																																																																																																																																																																																																																																																		
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<p><b>CATERPILLAR, INC</b>  <small>THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF CATERPILLAR, INC.</small></p>	<p><b>ELECTRICAL CIRCUIT CHARTER 13</b>                  CONNECTOR BODY COMPOSITE MATING VIEW SHOWN</p>																																																																																																				
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G1, G2, H1, H2, J1, J2	2012557C1	HIGH SPEED RELAY																																																																																																			
G3, G4, H3, H4, J3, J4	2012557C1	POWER DOOR UNLOCK RELAY																																																																																																			
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 5%;">CHK</td> <td style="width: 10%;">DATE</td> <td style="width: 25%;">CHANGE</td> <td style="width: 5%;">REV</td> <td style="width: 10%;">REFERENCE</td> <td style="width: 10%;">DRAWN</td> <td style="width: 35%;">NAME</td> </tr> <tr> <td>-</td> <td>-</td> <td>INITIAL RELEASE.</td> <td>A</td> <td>77636F</td> <td>300371</td> <td>CIRCUIT DIAGRAM, C-660, C680</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td>77636F</td> <td>DATE: 11MAY11 PART NO. AE08067064 SHEET 055</td> </tr> </table>		CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME	-	-	INITIAL RELEASE.	A	77636F	300371	CIRCUIT DIAGRAM, C-660, C680						77636F	DATE: 11MAY11 PART NO. AE08067064 SHEET 055																																																																															
CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME																																																																																															
-	-	INITIAL RELEASE.	A	77636F	300371	CIRCUIT DIAGRAM, C-660, C680																																																																																															
					77636F	DATE: 11MAY11 PART NO. AE08067064 SHEET 055																																																																																															

CONNECTOR COMPOSITES (1003-M1), P. 56

<p><b>CATERPILLAR, INC</b>  <small>THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF CATERPILLAR, INC.</small></p>	<p><b>ELECTRICAL CIRCUIT CHARTER 13</b>                  CONNECTOR BODY COMPOSITE MATING VIEW SHOWN</p>
---	---

FUSEBLOCK # 6-9  
(1003-M1)

**M3**

**M2**

**M1**

CONNECTOR 3535703C91  
 BODY LOCK1 3536085C1 (QTY-3)  
 BODY LOCK2 3599541C1 (QTY-12)

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
M1-A1	A50-G	18	WH	3536304C1
M1-B1	A53	14	YL	3516158C1
M1-C1	(A50-G)	-	-	3536304C1
M1-D1	A52	16	YL	3573312C1
	A52	16	YL	3515517C1
M1-E1	(A50-G)	-	-	3536304C1
M1-F1&	A64	14	YL	3573312C1
M1-F1&	A64	14	YL	3573311C1
	A64D	16	YL	3573311C1
M1-G1	(A50-G)	-	-	3536304C1
M1-H1	-	-	-	-
M1-J1	A77F	18	LTGN	3515517C1
M1-A2	A51	12	YL	3573311C1
M1-B2	A50BL	18	YL	3515517C1
M1-C2	(A51)	-	-	3536299C1
M1-D2	A50BH	18	YL	3515517C1
M1-E2	A64B	14	YL	3573312C1
M1-F2	A64A	14	YL	3573312C1
M1-G2	-	-	-	-
M1-H2	A77C	18	LTGN	3515517C1
M1-J2	A77R	18	LTGN	3515517C1
M1-A3	A12-GR	18	LTBL	3515517C1
M1-B3	A14BJ	14	RD	3573312C1
M1-C3	A58-G	18	WH	3515517C1
M1-D3	A68V	10	BN	3573311C1
	A17FA	18	PK	3515517C1
M1-E3	A17FA	16	PK	3515517C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
M1-F3	A17DB	14	PK	3516158C1
M1-G3	A81L	18	LTGN	3536295C1
	A81M	18	LTGN	3536295C1
M1-H3	-	-	-	-
M1-J3	A81E	18	LTGN	3536295C1
	A81F	18	LTGN	3536295C1
M1-A4	A12AD	16	LTBL	3573311C1
	A12AE	16	LTBL	3573311C1
M1-B4	A12	18	LTBL	3515517C1
	A68E	16	BN	3536295C1
M1-C4	A68E	10	BN	3515518C1
	A68T	16	BN	3536295C1
	A58P	18	BN	3515517C1
M1-E4	A17B	14	PK	3516158C1
M1-F4&	A17DC	14	WH	3516158C1
M1-F4&	A17A	18	PK	3515517C1
M1-G4	A81VA	18	LTGN	3536300C1
	A81V	18	LTGN	3536300C1
M1-H4	A81-GA	18	LTGN	3515517C1
M1-J4	(A81V)	-	-	3536300C1

& MUTUALLY EXCLUSIVE

CHART CONTINUED TO SHEET NO 57

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
-	-	INITIAL RELEASE.	A	77636F	300371	CIRCUIT DIAGRAM, C-660, C680
					77636F	DATE: 11MAY11 PART NO. AE08067064 SHEET 056

CONNECTOR COMPOSITES (1003-M2), (1003-M3), P. 57

<p><b>CATERPILLAR, INC</b>  <small>THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF CATERPILLAR, INC.</small></p>	<p><b>ELECTRICAL CIRCUIT CHARTER 13</b>                  CONNECTOR BODY COMPOSITE MATING VIEW SHOWN</p>
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CHART CONTINUED FROM SHEET NO 56

FUSEBLOCK # 6-9  
(1003-M2)

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
M2-A1	A13AA	14	PK	3536304C1
M2-B1	A13CL	18	LTGN	3515517C1
M2-C1	(A13AA)	-	-	3536304C1
M2-D1	-	-	-	-
M2-E1	(A13AA)	-	-	3536304C1
M2-F1	A82C	16	GY	3573311C1
	A82B	16	GY	3573311C1
M2-G1	(A13AA)	-	-	3536304C1
M2-H1	A105L	16	LTGN	3515517C1
M2-J1	-	-	-	-
M2-A2	(A13A)	-	-	3536304C1
M2-B2	A55S	14	OR	3573312C1
M2-C2	(A13A)	-	-	3536304C1
M2-D2	-	-	-	-
M2-E2	(A13A)	-	-	3536304C1
M2-F2	A95A	16	TN	3515517C1
M2-G2	A13AA	14	PK	3536304C1
	A13A	14	PK	3536304C1
M2-H2	A105R	16	LTGN	3515517C1
M2-J2	-	-	-	-
M2-A3	A13CA	14	PK	3536304C1
M2-B3	A94KA	18	GY	3515517C1
M2-C3	(A13CA)	-	-	3536304C1
M2-D3	-	-	-	-
M2-E3	(A13CA)	-	-	3536304C1
M2-F3	A71	16	OR	3573312C1
	A71	16	OR	3515517C1
M2-G3	(A13CA)	-	-	3536304C1
M2-H3	A78H	16	LTGN	3573312C1
M2-J3	-	-	-	-
M2-A4	(A13C)	-	-	3536304C1
M2-B4	A75BC	18	LTGN	3515517C1
M2-C4	(A13C)	-	-	3536304C1
M2-D4	-	-	-	-
M2-E4	(A13C)	-	-	3536304C1
M2-F4	A24AM	18	GY	3515517C1
M2-G4	A13CA	14	PK	3536304C1
	A13C	14	PK	3536304C1
M2-H4	A39A	18	GY	3515517C1
M2-J4	-	-	-	-

FUSEBLOCK # 6-9  
(1003-M3)

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
M3-A1	A14FA	10	RD	3536303C1
M3-B1	A56VT	12	OR	3573311C1
M3-C1	(A14FA)	-	-	3536303C1
M3-D1	-	-	-	-
M3-E1	(A14FA)	-	-	3536303C1
M3-F1	A86V	18	LTGN	3515517C1
M3-G1	(A14FA)	-	-	3536303C1
M3-H1	A54VT	12	BN	3573311C1
M3-J1	-	-	-	-
M3-A2	A14FB	10	RD	3536303C1
M3-B2	A94VT	12	GY	3573311C1
M3-C2	(A14FB)	-	-	3536303C1
M3-D2	-	-	-	-
M3-E2	(A14FB)	-	-	3536303C1
M3-F2	A57VT	12	OR	3573311C1
M3-G2	(A14FB)	-	-	3536303C1
M3-H2	A70E	10	OR	3515518C1
M3-J2	-	-	-	-
M3-A3	A14FC	10	RD	3536303C1
M3-B3	A75	10	LTGN	3573311C1
M3-C3	(A14FC)	-	-	3536303C1
M3-D3	-	-	-	-
M3-E3	(A14FC)	-	-	3536303C1
M3-F3	A75A	14	LTGN	3573312C1
M3-G3	(A14FC)	-	-	3536303C1
M3-H3	A70B	14	OR	3573312C1
M3-J3	-	-	-	-
M3-A4	A14FD	10	RD	3536303C1
M3-B4	A60HA	16	OR	3573311C1
	A60HB	16	OR	3573311C1
M3-C4	(A14FD)	-	-	3536303C1
M3-D4	-	-	-	-
M3-E4	(A14FD)	-	-	3536303C1
M3-F4	A12BBV	14	LTBL	3573312C1
M3-G4	(A14FD)	-	-	3536303C1
M3-H4	A71BBV	16	LTBL	3573312C1
M3-J4	-	-	-	-

CHART CONTINUED TO SHEET NO 58

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
-	-	INITIAL RELEASE.	A	77636F	300371	CIRCUIT DIAGRAM, C-660, C680
					RELEASE NO.	DATE
					77636F	11MAY11
					PART NO.	SHEET
					AE08067064	057



CONNECTOR COMPOSITES (1003-M2), (1003-M3), P. 58

<p><b>CATERPILLAR, INC</b></p> <p>THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF CATERPILLAR, INC.</p>	<p><b>ELECTRICAL CIRCUIT CHARTER 13</b></p> <p>CONNECTOR BODY COMPOSITE MATING VIEW SHOWN</p>
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CHART CONTINUED FROM SHEET NO 57

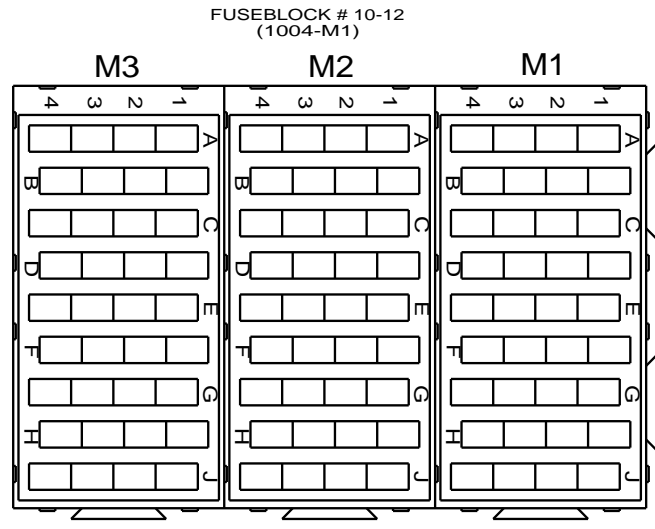
FUSE LOCATION	CAVITY	RATING	PART NUMBER		DESCRIPTION
			FUSE	BREAKER	
F7-A	G1-H1	20	3534211C1	-	TRAILER MARKER LIGHTS
F7-B	G2-H2	15	3534210C1	-	TRALER STOP LIGHT
F7-C	G3-H3	20	3534211C1	-	ABS STOP LIGHT
F7-D	G4-H4	20	3534211C1	-	BODY BUILTDE BACK-UP LIGHT
F7-E	E1-F1	15	3534210C1	-	RADIO POWER LIGHT
F7-F	E2-F2	15	3534210C1	-	TRAILER RIGHT TURN LIGHTS
F7-G	E3-F3	20	3534211C1	-	HEATER CONTROL
F7-H	E4-F4	20	3534211C1	-	BODY BUILTDE ACCESSORY FEED
F7-J	A1-B1	15	3534210C1	-	TRAILER LEFT TURN LIGHTS
F7-K	A2-B2	30	3534213C1	-	TRAILER ABS
F7-L	A3-B3	30	3534213C1	-	HEATER BLOWER MOTOR
F7-M	A4-B4	5	3534208C1	-	HAZARD FLASHERS
F8-A	G1-H1	15	3534210C1	-	DRIVER SIDE HEATED SEAT
F8-B	G2-H2	15	3534210C1	-	PASSENGER SIDE HEATED SEAT
F8-C	G3-H3	15	3534210C1	-	HEATED MIRROR
F8-D	G4-H4	10	3534209C1	-	HEATED DRAIN VALVE
F8-E	E1-F1	20	3534211C1	3536180C1	WIPER MOTOR IGNITION FEED
F8-F	E2-F2	20	3534211C1	-	FULE WATER SEPARATOR
F8-G	E3-F3	10	3534209C1	-	BACK-UP LIGHTS
F8-H	E4-F4	15	3534210C1	-	ENGINE BRAKE
F8-J	A1-B1	10	3534209C1	-	CLUSTER IGNITION FEED
F8-K	A2-B2	5	3534208C1	-	TURN SIGNAL SWITCH
F8-L	A3-B3	5	3534208C1	-	ABS MODULE IGNITION
F8-M	A4-B4	10	3534209C1	-	BLOWER MOTOR CONTROL

RELAY LOCATION - CAVITY	PART NUMBER	DESCRIPTION
A1, A2, B1, B2	2012557C1	LOW BEAM RELAY
A3, A4, B3, B4	2012557C1	ACCESSORY RELAY
C1, C2, D1, D2	2012557C1	HIGH BEAM RELAY
C3, C4, D3, D4	2012557C1	TAIL LIGHT RELAY
E1, E2, F1, F2	2012557C1	FOG LIGHT RELAY
E3, E4, F3, F4	2012557C1	START RELAY
G1, G2, H1, H2, J1, J2	2012557C1	AC RELAY
G3, G4, H3, H4, J3, J4	2012557C1	POWER DOOR LOCK RELAY

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
-	-	INITIAL RELEASE.	A	77636F	300371	CIRCUIT DIAGRAM, C-660, C680
					RELEASE NO. 77636F	DATE 11MAY11
						PART NO. AE08067064
						SHEET 058

CONNECTOR COMPOSITES (1004-M1), P. 59

<p><b>CATERPILLAR, INC</b>  <small>THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF CATERPILLAR, INC.</small></p>	<p><b>ELECTRICAL CIRCUIT CHARTER 13</b>                  CONNECTOR BODY COMPOSITE MATING VIEW SHOWN</p>
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CONNECTOR 3535703C91  
 BODY LOCK1 3536085C1 (QTY-3)  
 BODY LOCK2 3599541C1 (QTY-12)

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
M1-A1	A57-G	18	WH	3536300C1
M1-B1	A55A	16	OR	3515517C1
M1-C1	(A57-G)	-	-	3536300C1
M1-D1	-	-	-	-
M1-E1	A57RC	16	OR	3573312C1
M1-F1	A57D	18	OR	3515517C1
M1-G1	A66-GR	18	YL	3515517C1
M1-H1	A13F	18	PK	3573311C1
	A13N	14	PK	3573311C1
M1-J1	A13A	14	PK	3573312C1
M1-A2&	A57A	16	OR	3573312C1
M1-A2&	A57A	16	OR	3573311C1
M1-A2&	A57B	16	OR	3573311C1
M1-B2&	A57S	18	OR	3515517C1
M1-B2&	A57S	18	OR	3573312C1
M1-B2&	A57D	18	OR	3573312C1
M1-C2	A57AA	16	OR	3515517C1
	A57AA	16	OR	3515517C1
M1-D2	A70AR	14	OR	3573312C1
M1-E2	A57R	18	OR	3515517C1
	A57R	18	OR	3515517C1
M1-F2	A66HR	18	OR	3515517C1
M1-G2	(A13-G)	-	-	3536300C1
M1-H2	A14EA	14	RD	3573312C1
M1-J2	A13-G	18	WH	3536300C1
M1-A3	A56-G	18	WH	3536300C1
M1-B3	A55	16	OR	3573311C1
	A55A	16	OR	3573311C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
M1-C3	(A56-G)	-	-	3536300C1
M1-D3	-	-	-	-
M1-E3	A56RC	16	OR	3573312C1
M1-F3	A56D	18	OR	3515517C1
M1-G3	A66-GL	18	YL	3515517C1
M1-H3	A13M	18	PK	3515517C1
M1-J3	A13C	14	PK	3516158C1
	A56A	16	OR	3515517C1
M1-A4	A56A	16	OR	3573311C1
	A56B	16	OR	3573311C1
	A56S	18	OR	3515517C1
M1-B4	A56D	18	OR	3573312C1
	A56S	16	OR	3573312C1
M1-C4	A56AA	16	OR	3515517C1
	A56AA	16	OR	3515517C1
M1-D4	A70AL	14	OR	3516158C1
M1-E4	A56R	18	OR	3515517C1
	A56R	18	OR	3515517C1
M1-F4	A66HL	18	OR	3515517C1
M1-G4	(A13GM)	-	-	3536300C1
M1-H4	A14EB	14	RD	3573312C1
M1-J4	A13GM	18	WH	3536300C1

& MUTUALLY EXCLUSIVE

CHART CONTINUED TO SHEET NO 60

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
-	-	INITIAL RELEASE.	A	77636F	300371	CIRCUIT DIAGRAM, C-660, C680
					RELEASE NO.	DATE
					77636F	11MAY11
						PART NO.
						AE08067064
						SHEET
						059

CONNECTOR COMPOSITES (1004-M2), (1004-M3), P. 60

<b>CATERPILLAR, INC</b>				<b>ELECTRICAL CIRCUIT DIAGRAM 13</b>																																																																																																																																																																																																																																																																																																																																																																																										
THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF CATERPILLAR, INC.				CONNECTOR BODY COMPOSITE MATING VIEW SHOWN																																																																																																																																																																																																																																																																																																																																																																																										
<p>CHART CONTINUED FROM SHEET NO 59</p> <div style="display: flex; justify-content: space-around;"> <div style="width: 45%;"> <p style="text-align: center;">FUSE BLOCK # 10-12 (1004-M2)</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>M2-A1</td><td>(A14KA)</td><td>-</td><td>-</td><td>3536304C1</td></tr> <tr><td>M2-B1</td><td>A51</td><td>12</td><td>YL</td><td>3573311C1</td></tr> <tr><td>M2-C1</td><td>(A14KA)</td><td>-</td><td>-</td><td>3536304C1</td></tr> <tr><td>M2-D1</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>M2-E1</td><td>(A14KA)</td><td>-</td><td>-</td><td>3536304C1</td></tr> <tr><td>M2-F1</td><td>A55V</td><td>12</td><td>OR</td><td>3573311C1</td></tr> <tr><td>M2-G1</td><td>A14KA</td><td>14</td><td>RD</td><td>3536304C1</td></tr> <tr><td>M2-H1</td><td>A86K</td><td>14</td><td>LTGN</td><td>3516158C1</td></tr> <tr><td>M2-J1</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>M2-A2</td><td>A14KB</td><td>14</td><td>RD</td><td>3536304C1</td></tr> <tr><td>M2-B2</td><td>A65V</td><td>16</td><td>OR</td><td>3515517C1</td></tr> <tr><td>M2-C2</td><td>(A14KB)</td><td>-</td><td>-</td><td>3536304C1</td></tr> <tr><td>M2-D2</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>M2-E2</td><td>(A14KB)</td><td>-</td><td>-</td><td>3536304C1</td></tr> <tr><td>M2-F2</td><td>A70</td><td>12</td><td>OR</td><td>3573311C1</td></tr> <tr><td>M2-G2</td><td>(A14KB)</td><td>-</td><td>-</td><td>3536304C1</td></tr> <tr><td>M2-H2</td><td>A86M</td><td>14</td><td>LTGN</td><td>3573312C1</td></tr> <tr><td>M2-J2</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>M2-A3</td><td>(A14KC)</td><td>-</td><td>-</td><td>3536304C1</td></tr> <tr><td>M2-B3</td><td>A66A</td><td>14</td><td>YL</td><td>3573312C1</td></tr> <tr><td>M2-C3</td><td>(A14KC)</td><td>-</td><td>-</td><td>3536304C1</td></tr> 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61</p>								CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	M2-A1	(A14KA)	-	-	3536304C1	M2-B1	A51	12	YL	3573311C1	M2-C1	(A14KA)	-	-	3536304C1	M2-D1	-	-	-	-	M2-E1	(A14KA)	-	-	3536304C1	M2-F1	A55V	12	OR	3573311C1	M2-G1	A14KA	14	RD	3536304C1	M2-H1	A86K	14	LTGN	3516158C1	M2-J1	-	-	-	-	M2-A2	A14KB	14	RD	3536304C1	M2-B2	A65V	16	OR	3515517C1	M2-C2	(A14KB)	-	-	3536304C1	M2-D2	-	-	-	-	M2-E2	(A14KB)	-	-	3536304C1	M2-F2	A70	12	OR	3573311C1	M2-G2	(A14KB)	-	-	3536304C1	M2-H2	A86M	14	LTGN	3573312C1	M2-J2	-	-	-	-	M2-A3	(A14KC)	-	-	3536304C1	M2-B3	A66A	14	YL	3573312C1	M2-C3	(A14KC)	-	-	3536304C1	M2-D3	A147VF	14	LTGN	3573312C1	M2-E3	(A14KC)	-	-	3536304C1	M2-F3	A77T	14	LTGN	3573312C1	M2-G3	A14KC	14	RD	3536304C1	M2-H3	A84	14	LTGN	3573312C1	M2-J3	-	-	-	-	M2-A4	A14KD	14	RD	3536304C1	M2-B4	A102	18	GY	3515517C1	M2-C4	(A14KD)	-	-	3536304C1	M2-D4	A147VE	14	LTGN	3573312C1	M2-E4	(A14KD)	-	-	3536304C1	M2-F4	-	-	-	-	M2-G4	(A14KD)	-	-	3536304C1	M2-H4	A15	16	RD	3573312C1	M2-J4	-	-	-	-	CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	M3-A1	(A14A)	-	-	3536303C1	M3-B1	A14CL	16	RD	3573312C1	M3-C1	(A14A)	-	-	3536303C1	M3-D1	A147VD	14	LTGN	3573312C1	M3-E1	(A14A)	-	-	3536303C1	M3-F1	A94P	12	GY	3573311C1	M3-G1	A14A	10	RD	3536303C1	M3-H1	A83V	12	LTGN	3516158C1	M3-J1	-	-	-	-	M3-A2	A14B	10	RD	3536303C1	M3-B2	A97DL	14	VT	3573312C1	M3-C2	(A14B)	-	-	3536303C1	M3-D2	A147VC	14	LTGN	3573312C1	M3-E2	(A14B)	-	-	3536303C1	M3-F2	A85	16	GY	3573312C1	M3-G2	(A14B)	-	-	3536303C1	M3-H2	A81V	18	LTGN	3515517C1	M3-J2	-	-	-	-	M3-A3	(A14C)	-	-	3536303C1	M3-B3	A50	18	YL	3515517C1	M3-C3	(A14C)	-	-	3536303C1	M3-D3	A147VB	14	LTGN	3573312C1	M3-E3	(A14C)	-	-	3536303C1	M3-F3	A39V	16	GY	3515517C1	M3-G3	A14C	10	RD	3536303C1	M3-H3	A63	16	DKBL	3573312C1	M3-J3	A63A	18	DKBL	3573312C1	M3-A4	A14D	10	RD	3536303C1	M3-B4	A50A	18	YL	3515517C1	M3-C4	(A14D)	-	-	3536303C1	M3-D4	A147VA	14	LTGN	3573312C1	M3-E4	(A14D)	-	-	3536303C1	M3-F4	A68V	10	BN	3573311C1	M3-G4	(A14D)	-	-	3536303C1	M3-H4	A63D	18	DKBL	3573312C1	M3-J4	A63E	18	DKBL	3573312C1	M3-J4	-	-	-	-
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CONNECTOR COMPOSITES (1004-M2), (1004-M3), P. 61

<p><b>CATERPILLAR, INC</b>  <small>THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF CATERPILLAR, INC.</small></p>	<p><b>ELECTRICAL CIRCUIT CHARTER 13</b>                  CONNECTOR BODY COMPOSITE MATING VIEW SHOWN</p>
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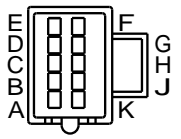

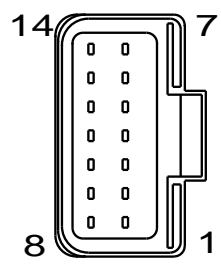
CHART CONTINUED FROM SHEET NO 60

FUSE LOCATION	CAVITY	RATING	PART NUMBER		DESCRIPTION
			FUSE	BREAKER	
F10-A	G1-H1	20	3534211C1	-	POWER WINDOWS
F10-B	G2-H2	15	3534210C1	-	POWER DOOR LOCKS
F10-C	G3-H3	15	3534210C1	-	DOME / COURTESY LIGHTS
F10-D	G4-H4	15	3534210C1	-	MAP LIGHTS
F10-E	E1-F1	30	3534209C1	-	ABS POWER
F10-F	E2-F2	15	3534210C1	-	HORN
F10-G	E3-F3	15	3534210C1	-	AIR DRYER
F10-H	E4-F4	30	3534209C1	-	CAB AND TRAILER TAIL LIGHTS
F10-J	A1-B1	5	3534208C1	-	CLUSTER BATTERY FEED
F10-K	A2-B2	20	3534211C1	-	DIAGNOSTIC CONNECTOR BATTERY
F10-L	A3-B3	10	3534209C1	-	TAIL / MARKER LIGHTS
F10-M	A4-B4	10	3534209C1	3536178C1	HEADLIGHT SWITCH
F11-A	G1-H1	20	3534211C1	-	12V POWER RECEPTACLE
F11-B	G2-H2	20	3534211C1	-	12V TERMINAL POWER SOURCE
F11-C	G3-H3	15	3534210C1	-	CIGAR LIGHTER
F11-D	G4-H4	25	3534213C1	-	START SWITCH
F11-E	E1-F1	25	3534213C1	-	TURN SIGNAL / HAZARD FLASHER
F11-F	E2-F2	20	3534211C1	-	STOP LIGHTS
F11-G	E3-F3	10	3534209C1	-	AC CONTROL
F11-H	-	-	-	-	-
F11-J	A1-B1	25	3534213C1	3536181C1	HEADLIGHTS
F11-K	A2-B2	15	3534210C1	-	WORK LIGHT
F11-L	A3-B3	15	3534210C1	-	DAYTIME RUNNING LIGHTS
F11-M	A4-B4	5	3534208C1	-	FLASH-TO-PASS

RELAY LOCATION - CAVITY	PART NUMBER	DESCRIPTION
A1, A2, B1, B2	3607384C1	RIGHT TURN RELAY
A3, A4, B3, B4	3607384C1	LEFT TURN RELAY
C1, C2, D1, D2, E1, E2	3607384C1	RIGHT TURN / STOP RELAY
C3, C4, D3, D4, E3, E4	3607384C1	LEFT TURN / STOP RELAY
F1, F2, G1, G2	3607384C1	RIGHT TURN W/ DRL
F3, F4, G3, G4	3607384C1	LEFT TURN W/ DRL
H1, H2, J1, J2	2012557C1	IGNITION RELAY #1
H3, H4, J3, J4	2012557C1	IGNITION RELAY #2

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
-	-	INITIAL RELEASE.	A	77636F	300371	CIRCUIT DIAGRAM, C-660, C680
					RELEASE NO.	DATE
					77636F	11MAY11
					PART NO.	SHEET
					AE08067064	061

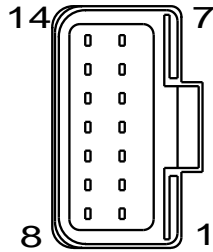
CONNECTOR COMPOSITES (1011), (1015), (1020), P. 62

<p><b>CATERPILLAR, INC</b> THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF CATERPILLAR, INC.</p>	<p><b>ELECTRICAL CIRCUIT <del>CHAPTER</del> 13</b> CONNECTOR BODY COMPOSITE MATING VIEW SHOWN</p>																																																																											
<p>ALLISON SHIFTER (1011)</p>  <p>CONNECTOR 3540613C1 BODY LOCK 3540615C1</p>	<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>CAV</th> <th>CIRCUIT</th> <th>GAUGE</th> <th>COLOR</th> <th>TERMINAL</th> </tr> </thead> <tbody> <tr><td>A</td><td>K92A</td><td>18</td><td>TN</td><td>1661262C1</td></tr> <tr><td>B</td><td>K92B</td><td>18</td><td>TN</td><td>1661262C1</td></tr> <tr><td>C</td><td>K5(+)</td><td>18</td><td>YL</td><td>1661262C1</td></tr> <tr><td>D</td><td>K5(-)</td><td>18</td><td>GN</td><td>1661262C1</td></tr> <tr><td>E</td><td>K62</td><td>18</td><td>DKBL</td><td>1661262C1</td></tr> <tr><td>F</td><td>K92C</td><td>18</td><td>TN</td><td>1661262C1</td></tr> <tr><td>G</td><td>K92D</td><td>18</td><td>TN</td><td>1661262C1</td></tr> <tr><td>H</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>J</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>K</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> </tbody> </table>	CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	A	K92A	18	TN	1661262C1	B	K92B	18	TN	1661262C1	C	K5(+)	18	YL	1661262C1	D	K5(-)	18	GN	1661262C1	E	K62	18	DKBL	1661262C1	F	K92C	18	TN	1661262C1	G	K92D	18	TN	1661262C1	H	-	-	-	-	J	-	-	-	-	K	-	-	-	-																				
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G	A54CT	18	BN	1661208C1																																																																								
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CONNECTOR COMPOSITES (1021), (1025), P. 63

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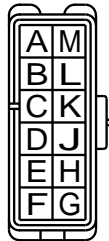
0 VOLT SOURCE SPLICE PACK (1021)



CONNECTOR 3613769C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
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2	A9PA	18	LTGN	3613771C1
3	A9SA	18	LTGN	3613771C1
4	A9AA	18	GY	3613771C1
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6	-	-	-	-
7	-	-	-	-
8	A9B	18	GY	3613771C1
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10	-	-	-	-
11	-	-	-	-
12	-	-	-	-
13	-	-	-	-
14	A10	18	LTGN	3613771C1

J1939 SPLICE PACK (1025)

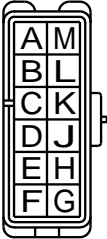
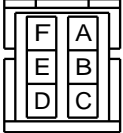



CONNECTOR 3601838C1  
 BODY LOCK 3601839C1



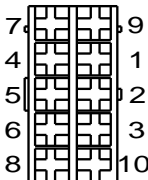
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D	A5J(-)	18	GN	3534164C1
E	A5N(-)	18	GN	3534164C1
F	A5(-)	18	GN	3534164C1
G	A5(+)	18	YL	3534164C1
H	A5N(+)	18	YL	3534164C1
J	A5J(+)	18	YL	3534164C1
K	A5J(+)	18	YL	3534164C1
L	A5S(+)	18	YL	3534164C1
M	A5R(+)	18	YL	3534164C1

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
-	-	INITIAL RELEASE.	A	77636F	300371	CIRCUIT DIAGRAM, C-660, C680
					RELEASE NO.	DATE
					77636F	11MAY11
					PART NO.	SHEET
					AE08067064	063

CONNECTOR COMPOSITES (1026), (1033), (1033M), P. 64

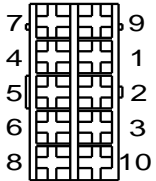
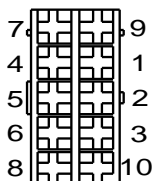
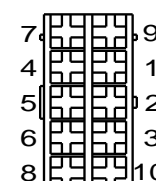
<p><b>CATERPILLAR, INC</b> THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF CATERPILLAR, INC.</p>	<p><b>ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13</b> CONNECTOR BODY COMPOSITE MATING VIEW SHOWN</p>																																																																	
<p style="text-align: center;">J1939 SPLICE PACK (1026)</p> <div style="text-align: center;">  </div> <p style="text-align: center;">CONNECTOR 3601838C1 BODY LOCK 3601839C1</p>	<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>A5B(-)</td><td>18</td><td>LTGN</td><td>3534164C1</td></tr> <tr><td>B</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>C</td><td>A5K(-)</td><td>18</td><td>LTGN</td><td>3534164C1</td></tr> <tr><td>D</td><td>A5K(-)</td><td>18</td><td>LTGN</td><td>3534164C1</td></tr> <tr><td>E</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>F</td><td>A5E(-)</td><td>18</td><td>LTGN</td><td>3534164C1</td></tr> <tr><td>G</td><td>A5E(+)</td><td>18</td><td>YL</td><td>3534164C1</td></tr> <tr><td>H</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>J</td><td>A5K(+)</td><td>18</td><td>YL</td><td>3534164C1</td></tr> <tr><td>K</td><td>A5K(+)</td><td>18</td><td>YL</td><td>3534164C1</td></tr> <tr><td>L</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>M</td><td>A5B(+)</td><td>18</td><td>YL</td><td>3534164C1</td></tr> </tbody> </table>	CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	A	A5B(-)	18	LTGN	3534164C1	B	-	-	-	-	C	A5K(-)	18	LTGN	3534164C1	D	A5K(-)	18	LTGN	3534164C1	E	-	-	-	-	F	A5E(-)	18	LTGN	3534164C1	G	A5E(+)	18	YL	3534164C1	H	-	-	-	-	J	A5K(+)	18	YL	3534164C1	K	A5K(+)	18	YL	3534164C1	L	-	-	-	-	M	A5B(+)	18	YL	3534164C1
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CONNECTOR COMPOSITES (1034M), (1034F), (1039), P. 65

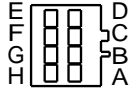
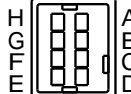
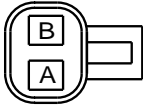
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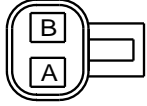


CONNECTOR COMPOSITES (1040), (1042), (1043), P. 66

<p><b>CATERPILLAR, INC</b>  <small>THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF CATERPILLAR, INC.</small></p>	<p><b>ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13</b>                  CONNECTOR BODY COMPOSITE MATING VIEW SHOWN</p>																																																																											
<p>RIGHT POWER WINDOW SWITCH, PASSENGER SIDE                  or                  RIGHT POWER WINDOW SWITCH, DRIVERS SIDE                  (1040)</p>  <p style="text-align: center;">CONNECTOR 3530407C1</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>CAV</th> <th>CIRCUIT</th> <th>GAUGE</th> <th>COLOR</th> <th>TERMINAL</th> </tr> </thead> <tbody> <tr><td>1*</td><td>A83K</td><td>14</td><td>LTGN</td><td>3532125C1</td></tr> <tr><td>1#</td><td>A83-GB</td><td>14</td><td>WH</td><td>3532125C1</td></tr> <tr><td>2*</td><td>A83L</td><td>14</td><td>LTGN</td><td>3532125C1</td></tr> <tr><td>2#</td><td>A83K</td><td>14</td><td>LTGN</td><td>3532125C1</td></tr> <tr><td>3</td><td>PLUG</td><td>-</td><td>-</td><td>3532129C1</td></tr> <tr><td>4*</td><td>A83D</td><td>14</td><td>LTGN</td><td>3532125C1</td></tr> <tr><td>4#</td><td>A83E</td><td>14</td><td>LTGN</td><td>3532125C1</td></tr> <tr><td>5*</td><td>A83M</td><td>14</td><td>LTGN</td><td>3532125C1</td></tr> <tr><td>5#</td><td>A83J</td><td>14</td><td>LTGN</td><td>3532125C1</td></tr> <tr><td>6</td><td>A83J</td><td>14</td><td>LTGN</td><td>3532125C1</td></tr> <tr><td>7</td><td>PLUG</td><td>-</td><td>-</td><td>3532129C1</td></tr> <tr><td>8</td><td>PLUG</td><td>-</td><td>-</td><td>3532129C1</td></tr> <tr><td>9</td><td>PLUG</td><td>-</td><td>-</td><td>3532129C1</td></tr> <tr><td>10</td><td>PLUG</td><td>-</td><td>-</td><td>3532129C1</td></tr> </tbody> </table> <p style="text-align: center;">* W/ PASSENGER DOOR                  # W/ DRIVER DOOR</p>	CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	1*	A83K	14	LTGN	3532125C1	1#	A83-GB	14	WH	3532125C1	2*	A83L	14	LTGN	3532125C1	2#	A83K	14	LTGN	3532125C1	3	PLUG	-	-	3532129C1	4*	A83D	14	LTGN	3532125C1	4#	A83E	14	LTGN	3532125C1	5*	A83M	14	LTGN	3532125C1	5#	A83J	14	LTGN	3532125C1	6	A83J	14	LTGN	3532125C1	7	PLUG	-	-	3532129C1	8	PLUG	-	-	3532129C1	9	PLUG	-	-	3532129C1	10	PLUG	-	-	3532129C1
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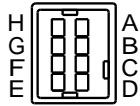
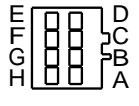
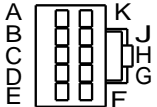
CONNECTOR COMPOSITES (1043), (1044), P. 67

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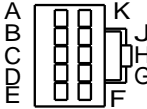
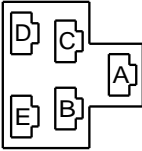
CONNECTOR COMPOSITES (1045), (1046), (1047), P. 68

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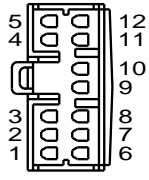

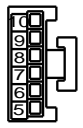
CONNECTOR COMPOSITES (1048), (1050M), P. 69

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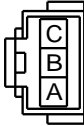

CONNECTOR COMPOSITES (1051F), (1054M), (1056M), P. 70

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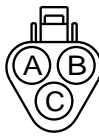
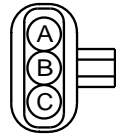

CONNECTOR COMPOSITES (1057), (1058M), (1059M), P. 71

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CONNECTOR COMPOSITES (1060M), (1076), (1090), P. 72

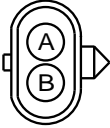
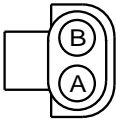
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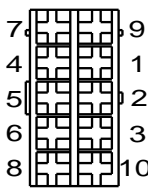
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<p>BEACON LIGHT SLEEPER CONNECTION (1108)</p> <div style="display: flex; justify-content: space-around; align-items: center;">  <table border="1" style="border-collapse: collapse; text-align: center;"> <thead> <tr> <th>CAV</th> <th>CIRCUIT</th> <th>GAUGE</th> <th>COLOR</th> <th>TERMINAL</th> <th>SEAL/SLEEVE</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>WHITE</td> <td>14</td> <td>WH</td> <td>0587577C1</td> <td>0589391C1</td> </tr> <tr> <td>B</td> <td>BLACK</td> <td>14</td> <td>BK</td> <td>0587577C1</td> <td>0589391C1</td> </tr> </tbody> </table> </div> <p style="text-align: center; margin-top: 20px;">CONNECTOR 0587567C91</p>		CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE	A	WHITE	14	WH	0587577C1	0589391C1	B	BLACK	14	BK	0587577C1	0589391C1
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE														
A	WHITE	14	WH	0587577C1	0589391C1														
B	BLACK	14	BK	0587577C1	0589391C1														
<p>BEACON LIGHT SLEEPER CONNECTION (1109M)</p> <div style="display: flex; justify-content: space-around; align-items: center;">  <table border="1" style="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>WHITE</td> <td>14</td> <td>WH</td> <td>0587575C1</td> <td>0589391C1</td> </tr> <tr> <td>B</td> <td>BLACK</td> <td>14</td> <td>BK</td> <td>0587575C1</td> <td>0589391C1</td> </tr> </tbody> </table> </div> <p style="text-align: center; margin-top: 20px;">CONNECTOR 0587568C91</p>		CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE	A	WHITE	14	WH	0587575C1	0589391C1	B	BLACK	14	BK	0587575C1	0589391C1
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE														
A	WHITE	14	WH	0587575C1	0589391C1														
B	BLACK	14	BK	0587575C1	0589391C1														
CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME													
-	-	INITIAL RELEASE.	A	77636F	300371	CIRCUIT DIAGRAM, C-660, C680													
					RELEASE NO.	DATE													
					77636F	11MAY11													
					PART NO.	SHEET													
					AE08067064	074													

CONNECTOR COMPOSITES (1129M), (1130M), (1131M), P. 75

<p><b>CATERPILLAR, INC</b> THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF CATERPILLAR, INC.</p>	<p><b>ELECTRICAL CIRCUIT CHARTER 13</b> CONNECTOR BODY COMPOSITE MATING VIEW SHOWN</p>
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CUSTOMER DEFINED AUX SWITCH # 1  
(1129M)

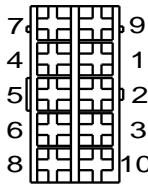


CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
1	PLUG	-	-	3532129C1	-
2	A147VA	14	LTGN	3532125C1	3509903C1
3	A147SA	14	LTGN	3532125C1	3509903C1
4	PLUG	-	-	3532129C1	-
5	PLUG	-	-	3532129C1	-
6	PLUG	-	-	3532129C1	-
7	PLUG	-	-	3532129C1	-
8	A62-GSA	18	WH	3532119C1	3532128C1
9	A147-GA	18	WH	3532119C1	3532128C1
10	A62SA	18	DKBL	3532119C1	3532128C1

CONNECTOR 3530407C1

CUSTOMER DEFINED AUX SWITCH # 2  
(1130M)

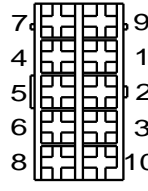


CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
1	PLUG	-	-	3532129C1	-
2	A147VB	14	LTGN	3532125C1	3509903C1
3	A147SB	14	LTGN	3532125C1	3509903C1
4	PLUG	-	-	3532129C1	-
5	PLUG	-	-	3532129C1	-
6	PLUG	-	-	3532129C1	-
7	PLUG	-	-	3532129C1	-
8	A62-GSB	18	WH	3532119C1	3532128C1
9	A147-GB	18	WH	3532119C1	3532128C1
10	A62SB	18	DKBL	3532119C1	3532128C1

CONNECTOR 3530407C1

CUSTOMER DEFINED AUX SWITCH # 3  
(1131M)



CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
1	PLUG	-	-	3532129C1	-
2	A147VC	14	LTGN	3532125C1	3509903C1
3	A147SC	14	LTGN	3532125C1	3509903C1
4	PLUG	-	-	3532129C1	-
5	PLUG	-	-	3532129C1	-
6	PLUG	-	-	3532129C1	-
7	PLUG	-	-	3532129C1	-
8	A62-GSC	18	WH	3532119C1	3532128C1
9	A147-GC	18	WH	3532119C1	3532128C1
10	A62SC	18	DKBL	3532119C1	3532128C1

CONNECTOR 3530407C1

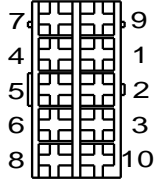
CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
-	-	INITIAL RELEASE.	A	77636F	300371	CIRCUIT DIAGRAM, C-660, C680
					RELEASE NO.	DATE
					77636F	11MAY11
					PART NO.	SHEET
					AE08067064	075

CONNECTOR COMPOSITES (1132M), (1133M), (1134M), P. 76

<b>CATERPILLAR, INC</b>				<b>ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13</b>			
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CUSTOMER DEFINED AUX SWITCH # 4  
(1132M)

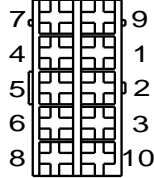


CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
1	PLUG	-	-	3532129C1	-
2	A147VA	14	LTGN	3532125C1	3509903C1
3	A147SA	14	LTGN	3532125C1	3509903C1
4	PLUG	-	-	3532129C1	-
5	PLUG	-	-	3532129C1	-
6	PLUG	-	-	3532129C1	-
7	PLUG	-	-	3532129C1	-
8	A62-GSA	18	WH	3532119C1	3532128C1
9	A147-GA	18	WH	3532119C1	3532128C1
10	A62SA	18	DKBL	3532119C1	3532128C1

CONNECTOR 3530407C1

CUSTOMER DEFINED AUX SWITCH # 5  
(1133M)

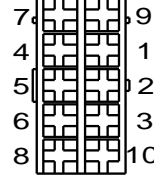


CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
1	PLUG	-	-	3532129C1	-
2	A147VB	14	LTGN	3532125C1	3509903C1
3	A147SB	14	LTGN	3532125C1	3509903C1
4	PLUG	-	-	3532129C1	-
5	PLUG	-	-	3532129C1	-
6	PLUG	-	-	3532129C1	-
7	PLUG	-	-	3532129C1	-
8	A62-GSB	18	WH	3532119C1	3532128C1
9	A147-GB	18	WH	3532119C1	3532128C1
10	A62SB	18	DKBL	3532119C1	3532128C1

CONNECTOR 3530407C1

CUSTOMER DEFINED AUX SWITCH # 6  
(1134M)



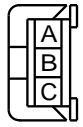
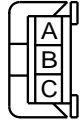
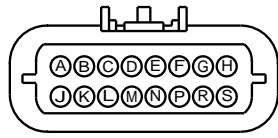
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
1	PLUG	-	-	3532129C1	-
2	A147VC	14	LTGN	3532125C1	3509903C1
3	A147SC	14	LTGN	3532125C1	3509903C1
4	PLUG	-	-	3532129C1	-
5	PLUG	-	-	3532129C1	-
6	PLUG	-	-	3532129C1	-
7	PLUG	-	-	3532129C1	-
8	A62-GSC	18	WH	3532119C1	3532128C1
9	A147-GC	18	WH	3532119C1	3532128C1
10	A62SC	18	DKBL	3532119C1	3532128C1

CONNECTOR 3530407C1

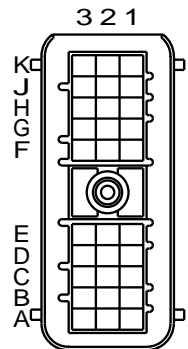
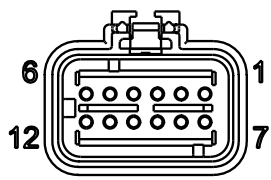
  

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME	
-	-	INITIAL RELEASE.	A	77636F	300371	CIRCUIT DIAGRAM, C-660, C680	
					RELEASE NO.	DATE	PART NO. SHEET
					77636F	11MAY11	AE08067064 076

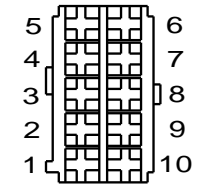
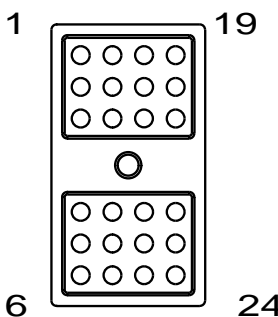
CONNECTOR COMPOSITES (1141), (1142), (1190), P. 77

<p><b>CATERPILLAR, INC</b> THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF CATERPILLAR, INC.</p>	<p><b>ELECTRICAL CIRCUIT DIAGRAM 13</b> CONNECTOR BODY COMPOSITE MATING VIEW SHOWN</p>																																																																																																						
<p style="text-align: center;">DOME LIGHT 2 (1141)</p>  <p style="text-align: center;">CONNECTOR 1661198C1</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>CAV</th> <th>CIRCUIT</th> <th>GAUGE</th> <th>COLOR</th> <th>TERMINAL</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>A63C</td> <td>18</td> <td>DKBL</td> <td>1661208C1</td> </tr> <tr> <td>B</td> <td>A63-GC</td> <td>18</td> <td>WH</td> <td>1661208C1</td> </tr> <tr> <td>C</td> <td>A63-GJ</td> <td>18</td> <td>WH</td> <td>1661208C1</td> </tr> </tbody> </table>	CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	A	A63C	18	DKBL	1661208C1	B	A63-GC	18	WH	1661208C1	C	A63-GJ	18	WH	1661208C1																																																																																		
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<p style="text-align: center;">XMSN / DASH JUMPER (1190)</p>  <p style="text-align: center;">CONNECTOR 3580540C1</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>CAV</th> <th>CIRCUIT</th> <th>GAUGE</th> <th>COLOR</th> <th>TERMINAL</th> <th>SEAL/SLEEVE</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>K17-GA</td> <td>18</td> <td>WH</td> <td>3534160C1</td> <td>3535427C1</td> </tr> <tr> <td>B</td> <td>K98+</td> <td>18</td> <td>BK</td> <td>3534160C1</td> <td>3535427C1</td> </tr> <tr> <td>C</td> <td>K-98</td> <td>18</td> <td>BK</td> <td>3534160C1</td> <td>3535427C1</td> </tr> <tr> <td>D</td> <td>K92J</td> <td>18</td> <td>TN</td> <td>3534160C1</td> <td>3535427C1</td> </tr> <tr> <td>E</td> <td>K17EM</td> <td>18</td> <td>PK</td> <td>3534160C1</td> <td>3535427C1</td> </tr> <tr> <td>F</td> <td>K92ER</td> <td>18</td> <td>TN</td> <td>3534160C1</td> <td>3535427C1</td> </tr> <tr> <td>G</td> <td>K17EA</td> <td>18</td> <td>PK</td> <td>3534160C1</td> <td>3535427C1</td> </tr> <tr> <td>H</td> <td>K92ETC</td> <td>16</td> <td>TN</td> <td>3534160C1</td> <td>3535428C1</td> </tr> <tr> <td>J</td> <td>K92EG</td> <td>18</td> <td>TN</td> <td>3534160C1</td> <td>3535427C1</td> </tr> <tr> <td>K</td> <td>K92EH</td> <td>18</td> <td>TN</td> <td>3534160C1</td> <td>3535427C1</td> </tr> <tr> <td>L</td> <td>K92EJ</td> <td>18</td> <td>TN</td> <td>3534160C1</td> <td>3535427C1</td> </tr> <tr> <td>M</td> <td>K98GN6</td> <td>18</td> <td>GN</td> <td>3534160C1</td> <td>3535427C1</td> </tr> <tr> <td>N</td> <td>K98YL6</td> <td>18</td> <td>YL</td> <td>3534160C1</td> <td>3535427C1</td> </tr> <tr> <td>P</td> <td>PLUG</td> <td>-</td> <td>-</td> <td>3535430C1</td> <td>-</td> </tr> <tr> <td>R</td> <td>PLUG</td> <td>-</td> <td>-</td> <td>3535430C1</td> <td>-</td> </tr> <tr> <td>S</td> <td>PLUG</td> <td>-</td> <td>-</td> <td>3535430C1</td> <td>-</td> </tr> </tbody> </table>	CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE	A	K17-GA	18	WH	3534160C1	3535427C1	B	K98+	18	BK	3534160C1	3535427C1	C	K-98	18	BK	3534160C1	3535427C1	D	K92J	18	TN	3534160C1	3535427C1	E	K17EM	18	PK	3534160C1	3535427C1	F	K92ER	18	TN	3534160C1	3535427C1	G	K17EA	18	PK	3534160C1	3535427C1	H	K92ETC	16	TN	3534160C1	3535428C1	J	K92EG	18	TN	3534160C1	3535427C1	K	K92EH	18	TN	3534160C1	3535427C1	L	K92EJ	18	TN	3534160C1	3535427C1	M	K98GN6	18	GN	3534160C1	3535427C1	N	K98YL6	18	YL	3534160C1	3535427C1	P	PLUG	-	-	3535430C1	-	R	PLUG	-	-	3535430C1	-	S	PLUG	-	-	3535430C1	-
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D	K92J	18	TN	3534160C1	3535427C1																																																																																																		
E	K17EM	18	PK	3534160C1	3535427C1																																																																																																		
F	K92ER	18	TN	3534160C1	3535427C1																																																																																																		
G	K17EA	18	PK	3534160C1	3535427C1																																																																																																		
H	K92ETC	16	TN	3534160C1	3535428C1																																																																																																		
J	K92EG	18	TN	3534160C1	3535427C1																																																																																																		
K	K92EH	18	TN	3534160C1	3535427C1																																																																																																		
L	K92EJ	18	TN	3534160C1	3535427C1																																																																																																		
M	K98GN6	18	GN	3534160C1	3535427C1																																																																																																		
N	K98YL6	18	YL	3534160C1	3535427C1																																																																																																		
P	PLUG	-	-	3535430C1	-																																																																																																		
R	PLUG	-	-	3535430C1	-																																																																																																		
S	PLUG	-	-	3535430C1	-																																																																																																		
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 5%;">CHK</td> <td style="width: 10%;">DATE</td> <td style="width: 30%;">CHANGE</td> <td style="width: 5%;">REV</td> <td style="width: 10%;">REFERENCE</td> <td style="width: 10%;">DRAWN</td> <td style="width: 30%;">NAME</td> </tr> <tr> <td>-</td> <td>-</td> <td>INITIAL RELEASE.</td> <td>A</td> <td>77636F</td> <td>300371</td> <td>CIRCUIT DIAGRAM, C-660, C680</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td>RELEASE NO.</td> <td>DATE</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td>77636F</td> <td>11MAY11</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td>PART NO.</td> <td>SHEET</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td>AE08067064</td> <td>077</td> </tr> </table>						CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME	-	-	INITIAL RELEASE.	A	77636F	300371	CIRCUIT DIAGRAM, C-660, C680						RELEASE NO.	DATE						77636F	11MAY11						PART NO.	SHEET						AE08067064	077																																																								
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CONNECTOR COMPOSITES (1192), (1194), P. 78

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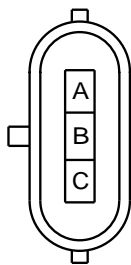
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CONNECTOR COMPOSITES (1266), (1267), P. 80

<p><b>CATERPILLAR, INC</b> THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF CATERPILLAR, INC.</p>	<p><b>ELECTRICAL CIRCUIT CHAPTER 13</b> CONNECTOR BODY COMPOSITE MATING VIEW SHOWN</p>
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GROUND FEED CONN  
(1266)



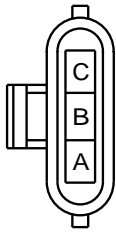
CONNECTOR 1667732C1  
BODY LOCK 1667734C1

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B*	K92-G	14	TN	1667736C1	1671603C1
B#	K10-GE	12	WH	2025424C1	1671603C1
B%	K10	14	WH	1667736C1	1671603C1
C	K10A	14	WH	1667736C1	1671603C1

\* W/ ALLISON TRANSMISSION  
# W/ CAT CX31 TRANSMISSION W/ RETARDER  
% W/ ULTRASHIFT VOCATIONAL PERFORMANCE

PWR FEED CONN  
(1267)



CONNECTOR 1667733C1  
BODY LOCK 1667734C1

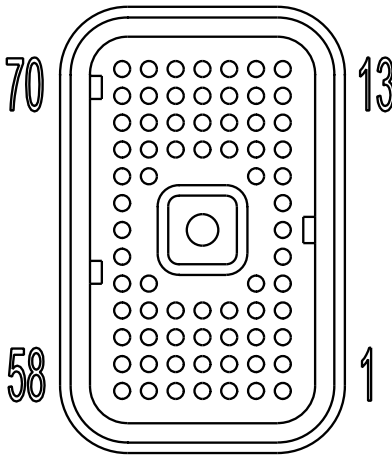
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B*	K92	14	TN	1667738C1	1671603C1
B%	K14AT	10	RD	1667737C1	1667735C1
B#	K14	14	RD	1667738C1	1671603C1
C	K14A	14	RD	1667738C1	1671603C1

\* W/ ALLISON TRANSMISSION  
# W/ CAT CX31 TRANSMISSION W/ RETARDER  
% W/ ULTRASHIFT VOCATIONAL PERFORMANCE

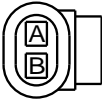
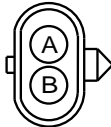
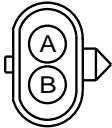
CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
-	-	INITIAL RELEASE.	A	77636F	300371	CIRCUIT DIAGRAM, C-660, C680
					RELEASE NO. 77636F	DATE 11MAY11
						PART NO. <b>AE08067064</b>
						SHEET <b>080</b>

CONNECTOR COMPOSITES (1268), P. 81

<p style="text-align: center;"><b>CATERPILLAR, INC</b> THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF CATERPILLAR, INC.</p>	<p style="text-align: right;"><b>ELECTRICAL CIRCUIT CHARTER 13</b></p> <p style="text-align: center;">CONNECTOR BODY COMPOSITE MATING VIEW SHOWN</p>																																																																																																																																																																																																																																																																																																																																																																								
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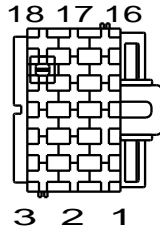
CONNECTOR COMPOSITES (1284), (1331), (1332), P. 82

<p><b>CATERPILLAR, INC</b>  <small>THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF CATERPILLAR, INC.</small></p>	<p><b>ELECTRICAL CIRCUIT <del>DIAGRAM</del> CHAPTER 13</b>                  CONNECTOR BODY COMPOSITE MATING VIEW SHOWN</p>																																																								
<p>OUTSIDE AIR TEMP (1284)</p>  <p>CONNECTOR 3522068C1 BODY LOCK 1661874C1</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>CAV</th> <th>CIRCUIT</th> <th>GAUGE</th> <th>COLOR</th> <th>TERMINAL</th> <th>SEAL/SLEEVE</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>M41D</td> <td>18</td> <td>TN</td> <td>1661875C1</td> <td>1661872C1</td> </tr> <tr> <td>B</td> <td>M41E</td> <td>18</td> <td>TN</td> <td>1661875C1</td> <td>1661872C1</td> </tr> </tbody> </table>	CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE	A	M41D	18	TN	1661875C1	1661872C1	B	M41E	18	TN	1661875C1	1661872C1																																						
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CONNECTOR COMPOSITES (1348), (1349), P. 83

<p><b>CATERPILLAR, INC</b>  <small>THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF CATERPILLAR, INC.</small></p>	<p><b>ELECTRICAL CIRCUIT CHARTER 13</b>                  CONNECTOR BODY COMPOSITE MATING VIEW SHOWN</p>
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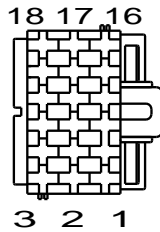
ABS - 6 ECU CONNECTOR 1  
(1348)



CONNECTOR 3596926C1  
BODY LOCK 3562309C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	A94-GA	12	WH	3597157C1
2	-	-	-	-
3	A94KA	18	GY	3598072C1
4	A94BM	18	GY	3598072C1
5	A94BN	18	GY	3598072C1
6	A94BE	18	GY	3598072C1
7	A5N(-)	18	GN	3598072C1
8	A5N(+)	18	YL	3598072C1
9	-	-	-	-
10	A94BH	16	GY	3598073C1
11	A94BF	18	GY	3598072C1
12	A94-GL2	16	WH	3548970C1
13	A98C(-)	16	BK	3598073C1
14	A98A(+)	16	BK	3598073C1
15	-	-	-	-
16	A94P	12	GY	3597157C1
17	-	-	-	-
18	A94H	16	GY	3548970C1

ABS - 6 ECU CONNECTOR 2  
(1349)



CONNECTOR 3596929C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	A94LB	18	GY	3598072C1
2	A94L	18	GY	3598072C1
3	A94LA	18	GY	3598072C1
4	A94RB	18	GY	3598072C1
5	A94LD	18	GY	3598072C1
6	A94RA	18	GY	3598072C1
7	A94R	18	GY	3598072C1
8	A94LC	18	GY	3598072C1
9	A94BK	18	GY	3598072C1
10	A94BL	18	GY	3598072C1
11	A94RD	18	GY	3598072C1
12	A94BB	18	GY	3598072C1
13	A94BJ	18	GY	3598072C1
14	A94RC	18	GY	3598072C1
15	A94BE	18	GY	3598072C1
16	A94BC	18	GY	3598072C1
17	A94BA	18	GY	3598072C1
18	A94BD	18	GY	3598072C1

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME		
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					RELEASE NO.	DATE	PART NO.	SHEET
					77636F	11MAY11	AE08067064	083

CONNECTOR COMPOSITES (1350), (1360), P. 84

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ATC SWITCH  
(1350)

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
1	PLUG	-	-	3532129C1	-
2	A94-GBE	18	GY	3532119C1	3532128C1
3	A94BE	18	GY	3532119C1	3532128C1
4	PLUG	-	-	3532129C1	-
5	PLUG	-	-	3532129C1	-
6	PLUG	-	-	3532129C1	-
7	PLUG	-	-	3532129C1	-
8	A94-GTC	18	LTGN	3532119C1	3532128C1
9	A11-GVB	18	WH	3532119C1	3532128C1
10	A62TC	18	DKBL	3532119C1	3532128C1

CONNECTOR 3530407C1

ABS - 6 ECU CONNECTOR 3  
(1360)

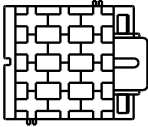

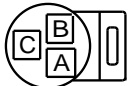
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	-	-	-	-
2	-	-	-	-
3	A94SK	18	GY	3598072C1
4	-	-	-	-
5	A94SJ	18	GY	3598072C1
6	-	-	-	-
7	-	-	-	-
8	A94SS	18	GY	3598072C1
9	-	-	-	-
10	-	-	-	-
11	-	-	-	-
12	-	-	-	-
13	-	-	-	-
14	-	-	-	-
15	-	-	-	-

CONNECTOR 3596928C1

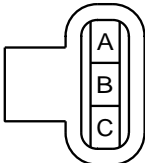
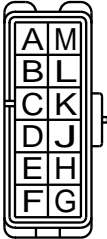
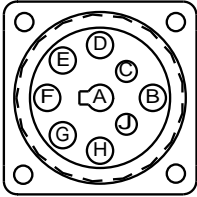
  

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
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					RELEASE NO.	DATE
					77636F	11MAY11
					PART NO.	SHEET
					AE08067064	084

CONNECTOR COMPOSITES (1361), (1365), (1366), P. 85

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CONNECTOR COMPOSITES (1368F), (1369), (1386), P. 86

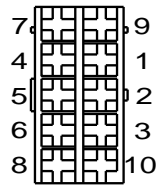
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<p style="text-align: center;">DIAGNOSTIC DATA LINK (1386)</p> <div style="display: flex; align-items: center; justify-content: center;">  <table border="1" style="margin-left: 20px; border-collapse: collapse; text-align: center;"> <thead> <tr> <th>CAV</th> <th>CIRCUIT</th> <th>GAUGE</th> <th>COLOR</th> <th>TERMINAL</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>A11-GR</td> <td>14</td> <td>WH</td> <td>1659750C1</td> </tr> <tr> <td>B</td> <td>A97DL</td> <td>14</td> <td>VT</td> <td>1659750C1</td> </tr> <tr> <td>C</td> <td>A5D(+)</td> <td>18</td> <td>YL</td> <td>1651968C1</td> </tr> <tr> <td>D</td> <td>A5D(-)</td> <td>18</td> <td>LTGN</td> <td>1651968C1</td> </tr> <tr> <td>E</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> </tr> <tr> <td>F</td> <td>A98A(+)</td> <td>16</td> <td>BK</td> <td>1651968C1</td> </tr> <tr> <td>G</td> <td>A98C(-)</td> <td>16</td> <td>BK</td> <td>1651968C1</td> </tr> <tr> <td>H</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> </tr> <tr> <td>J</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> </tr> </tbody> </table> </div> <p style="text-align: center; margin-top: 10px;">CONNECTOR 3544066C1</p>	CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	A	A11-GR	14	WH	1659750C1	B	A97DL	14	VT	1659750C1	C	A5D(+)	18	YL	1651968C1	D	A5D(-)	18	LTGN	1651968C1	E	-	-	-	-	F	A98A(+)	16	BK	1651968C1	G	A98C(-)	16	BK	1651968C1	H	-	-	-	-	J	-	-	-	-	<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>A11-GR</td> <td>14</td> <td>WH</td> <td>1659750C1</td> </tr> <tr> <td>B</td> <td>A97DL</td> <td>14</td> <td>VT</td> <td>1659750C1</td> </tr> <tr> <td>C</td> <td>A5D(+)</td> <td>18</td> <td>YL</td> <td>1651968C1</td> </tr> <tr> <td>D</td> <td>A5D(-)</td> <td>18</td> <td>LTGN</td> <td>1651968C1</td> </tr> <tr> <td>E</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> </tr> <tr> <td>F</td> <td>A98A(+)</td> <td>16</td> <td>BK</td> <td>1651968C1</td> </tr> <tr> <td>G</td> <td>A98C(-)</td> <td>16</td> <td>BK</td> <td>1651968C1</td> </tr> <tr> <td>H</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> </tr> <tr> <td>J</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> </tr> </tbody> </table>	CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	A	A11-GR	14	WH	1659750C1	B	A97DL	14	VT	1659750C1	C	A5D(+)	18	YL	1651968C1	D	A5D(-)	18	LTGN	1651968C1	E	-	-	-	-	F	A98A(+)	16	BK	1651968C1	G	A98C(-)	16	BK	1651968C1	H	-	-	-	-	J	-	-	-	-															
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CONNECTOR COMPOSITES (1402), (1403), (1404M), P. 87

<p><b>CATERPILLAR, INC</b> THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF CATERPILLAR, INC.</p>	<p><b>ELECTRICAL CIRCUIT CHARTER 13</b> CONNECTOR BODY COMPOSITE MATING VIEW SHOWN</p>
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**PARKED REGEN SWITCH (1402)**  
(LOCATED IN INSTRUMENT PANEL)

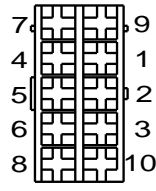


CONNECTOR 3530407C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
1	A95-GC	16	WH	3532125C1	3509903C1
2	A95E	18	TN	3532119C1	3532128C1
3	A95BA	18	TN	3532119C1	3532128C1
4	PLUG	-	-	3532129C1	-
5	PLUG	-	-	3532129C1	-
6	PLUG	-	-	3532129C1	-
7	PLUG	-	-	3532129C1	-
8	A62-GMS	18	DKBL	3532119C1	3532128C1
9	A95FA	18	TN	3532119C1	3532128C1
10	A62PR	18	DKBL	3532119C1	3532128C1

**INHIBIT REGEN SWITCH (1403)**  
(LOCATED IN INSTRUMENT PANEL)

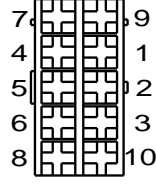


CONNECTOR 3530407C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
1	A95IR	18	TN	3532119C1	3532128C1
2	PLUG	-	-	3532129C1	-
3	PLUG	-	-	3532129C1	-
4	PLUG	-	-	3532129C1	-
5	A95N	18	TN	3532119C1	3532128C1
6	PLUG	-	-	3532129C1	-
7	PLUG	-	-	3532129C1	-
8	PLUG	-	-	3532129C1	-
9	A11-GUF	18	WH	3532119C1	3532128C1
10	A62MSP	18	DKBL	3532119C1	3532128C1

**MARKER INTERRUPT SWITCH (1404M)**  
(LOCATED IN INSTRUMENT PANEL)



CONNECTOR 3530407C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
1	A58P	18	BN	3532119C1	3532128C1
2	A58E	18	BN	3532119C1	3532128C1
3	PLUG	-	-	3532129C1	-
4	PLUG	-	-	3532129C1	-
5	PLUG	-	-	3532129C1	-
6	PLUG	-	-	3532129C1	-
7	PLUG	-	-	3532129C1	-
8	A62-GML	16	DKBL	3532125C1	3509903C1
9	PLUG	-	-	3532129C1	-
10	A62ML	18	DKBL	3532119C1	3532128C1

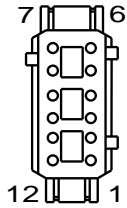
CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
-	-	INITIAL RELEASE.	A	77636F	300371	CIRCUIT DIAGRAM, C-660, C680
					RELEASE NO.	DATE
					77636F	11MAY11
					PART NO.	SHEET
					AE08067064	087

CONNECTOR COMPOSITES (1406), (1407), (1408M), P. 88

<b>CATERPILLAR, INC</b>				<b>ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13</b>	
THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF CATERPILLAR, INC.				CONNECTOR BODY COMPOSITE MATING VIEW SHOWN	

MSM1  
(1406)  
(LOCATED IN INSTRUMENT PANEL)

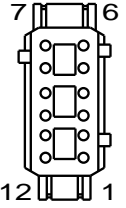


CONNECTOR 3553404C1  
BODY LOCK 3553460C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	PLUG	-	-	3527276C1
2	A95N	18	TN	3518963C1
3	A95E	18	TN	3555249C1
4	PLUG	-	-	3527276C1
5	A5M(+)	18	YL	3555249C1
6	A5M(-)	18	GN	3555249C1
7	A95A	18	TN	3518963C1
8	A95-GA	16	WH	3518963C1
9	PLUG	-	-	3527276C1
10	PLUG	-	-	3527276C1
11	PLUG	-	-	3527276C1
12	PLUG	-	-	3527276C1

MSM2  
(1407)  
(LOCATED IN INSTRUMENT PANEL)

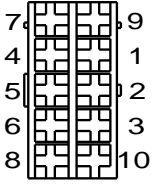


CONNECTOR 3586750C1  
BODY LOCK 3553460C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	PLUG	-	-	3527276C1
2	PLUG	-	-	3527276C1
3	PLUG	-	-	3527276C1
4	A95FA	18	TN	3518963C1
5	A95IR	18	TN	3518963C1
6	PLUG	-	-	3527276C1
7	PLUG	-	-	3527276C1
8	PLUG	-	-	3527276C1
9	PLUG	-	-	3527276C1
10	PLUG	-	-	3527276C1
11	PLUG	-	-	3527276C1
12	PLUG	-	-	3527276C1

HAZARD LIGHT SWITCH  
(1408M)  
(LOCATED IN INSTRUMENT PANEL)




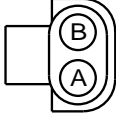
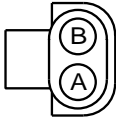
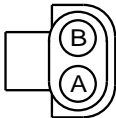
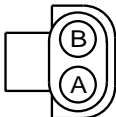
CONNECTOR 3530407C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
1	PLUG	-	-	3532129C1	-
2	A60HA	16	OR	3532125C1	3509903C1
3	A60L	16	OR	3532125C1	3509903C1
4	PLUG	-	-	3532129C1	-
5	A60HB	16	OR	3532125C1	3509903C1
6	A60R	16	OR	3532125C1	3509903C1
7	PLUG	-	-	3532129C1	-
8	A62-GHZ	18	DKBL	3532119C1	3532128C1
9	A11-GUD	18	WH	3532119C1	3532128C1
10	A62HZ	18	DKBL	3532119C1	3532128C1

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
-	-	INITIAL RELEASE.	A	77636F	300371	CIRCUIT DIAGRAM, C-660, C680
					RELEASE NO. 77636F	DATE 11MAY11
						PART NO. AE08067064
						SHEET 088

CONNECTOR COMPOSITES (1409M), (1450), (1451), (1452M), (1461M), P. 89

<b>CATERPILLAR, INC</b> <small>THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF CATERPILLAR, INC.</small>				<b>ELECTRICAL CIRCUIT <del>CHAPTER</del> 13</b> CONNECTOR BODY COMPOSITE MATING VIEW SHOWN																				
HAZARD SWITCH DIODE (1409M)																								
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1	A60LA	16	OR	1651969C1																				
2	A60L	16	OR	1651969C1																				
CONNECTOR 3539777C1 BODY LOCK 3539784C1																								
BEACON LIGHT RIGHT (1450)																								
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CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE																			
A	A60-GA	18	WH	0587576C1	1652325C1																			
B	A60A	18	OR	0587576C1	1652325C1																			
CONNECTOR 0587568C91																								
BEACON LIGHT LEFT (1451)																								
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CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE																			
A	A60-GB	18	WH	0587576C1	1652325C1																			
B	A60B	18	OR	0587576C1	1652325C1																			
CONNECTOR 0587568C91																								
T - CASE COOLING FAN (1452M)																								
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CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE																			
A	R13TC1	16	PK	0587575C1	1652325C1																			
B	R11-GTC	16	WH	0587575C1	1652325C1																			
CONNECTOR 0587568C91																								
REMOTE A/C CONDENSER (1461M)																								
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CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE																			
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B	K23AC	18	TN	0587576C1	1652325C1																			
CONNECTOR 0587568C91																								
CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME																		
-	-	INITIAL RELEASE.	A	77636F	300371	CIRCUIT DIAGRAM, C-660, C680																		
					RELEASE NO.	DATE																		
					77636F	11MAY11																		
					PART NO.	SHEET																		
					AE08067064	089																		



CONNECTOR COMPOSITES (1701), P. 90

<p style="text-align: center;"><b>CATERPILLAR, INC</b></p> <p style="font-size: small;">THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF CATERPILLAR, INC.</p>	<p style="text-align: center;"><b>ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13</b></p> <p style="text-align: center;">CONNECTOR BODY COMPOSITE MATING VIEW SHOWN</p>
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CHASSIS FRONT END CONNECTOR  
(1701)

CONNECTOR 3595623C1

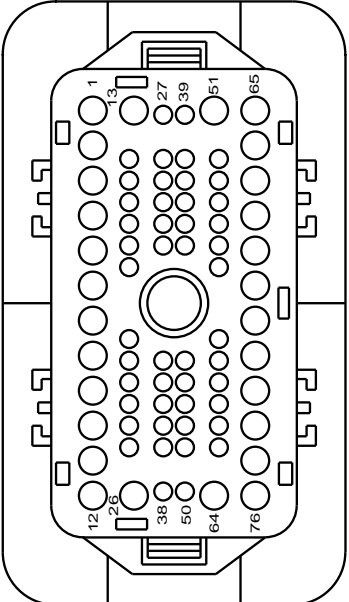
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1	A71A	16	OR	3574288C1
2	A56RC	16	OR	3574288C1
3	A57RC	16	OR	3574288C1
4	A68	16	BN	3574288C1
5	A56T	12	OR	3574287C1
6	A57T	12	OR	3574287C1
7	A54T	12	BN	3574287C1
8	A68T	16	BN	3574288C1
9	A70T	10	OR	3574287C1
10	A94T	12	GY	3574287C1
11	-	-	-	-
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13	A9B	18	GY	3574289C1
14	A94BM	18	GY	2003343C1
15	A94BN	18	GY	2003343C1
16	A94BE	18	GY	2003343C1
17	A94BD	18	GY	2003343C1
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19	A94BF	18	GY	2003343C1
20	A94BL	18	GY	2003343C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
21	A94BJ	18	GY	2003343C1
22	A94BK	18	GY	2003343C1
23	A94BA	18	GY	2003343C1
24	A94BB	18	GY	2003343C1
25	A94BC	18	GY	2003343C1
26	-	-	-	-
27	A36A	18	TN	2003343C1
28	A28	18	TN	2003343C1
29	-	-	-	-
30	-	-	-	-
31	A39B	16	GY	3574285C1
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33	A94SL	18	GY	2003343C1
34	A95A	16	TN	3574285C1
35	A94SM	18	GY	2003343C1
36	A94SE	18	GY	2003343C1
37	A94SF	18	GY	2003343C1
38	A94SN	18	GY	2003343C1
39	A94SVD	18	GY	2003343C1
40	A39A	18	GY	2003343C1
41	-	-	-	-
42	A56BC	16	OR	3574285C1
43	A32A	18	TN	2003343C1
44	A32	18	TN	2003343C1
45	A49AA	18	GY	2003343C1
46	-	-	-	-
47	-	-	f	-
48	-	-	-	-
49	A94SJ	18	GY	2003343C1
50	A49	18	GY	2003343C1
51	-	-	-	-
52	A13TC	16	PK	3574285C1
53	A11-GT	16	WH	3574285C1
54	A94SAB	18	GY	2003343C1
55	A94SCB	18	GY	2003343C1
56	A94SBB	18	GY	2003343C1
57	A94SDB	18	GY	2003343C1
58	-	-	-	-
59	-	-	-	-
60	A94SZC	18	GY	2003343C1
61	A94SVC	18	GY	2003343C1
62	A94SH	18	GY	2003343C1
63	A57BB	16	OR	3574285C1
64	A57BC	16	OR	3574288C1
65	-	-	-	-
66	-	-	-	-
67	-	-	-	-
68	A65	18	OR	3574289C1
69	A94SK	18	GY	3574289C1
70	-	-	-	-
71	A68BB	14	BN	3574288C1
72	A70BB	14	RD	3574288C1
73	A71BB	16	LTBL	3574288C1
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76	-	-	-	-




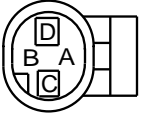
  

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
-	-	INITIAL RELEASE.	A	77636F	300371	CIRCUIT DIAGRAM, C-660, C680
					RELEASE NO.	DATE
					77636F	11MAY11
						PART NO.
						AE08067064
						SHEET
						090

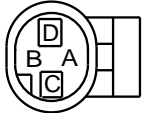
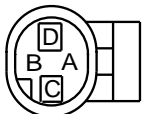

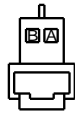
CONNECTOR COMPOSITES (1701F), P. 91

<p style="text-align: center;"><b>CATERPILLAR, INC</b> THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF CATERPILLAR, INC.</p>	<p style="text-align: right;"><b>ELECTRICAL CIRCUIT CHARTER 13</b></p> <p style="text-align: center;">CONNECTOR BODY COMPOSITE MATING VIEW SHOWN</p>																																																																																																																																																																																																																																																																																																																																																																																																																					
<p style="text-align: center;">CONNECTOR TO DASH HARNESS (1701F)</p>  <p style="text-align: center;">CONNECTOR 3595622C1</p> <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>CAV</th><th>CIRCUIT</th><th>GAUGE</th><th>COLOR</th><th>TERMINAL</th></tr> </thead> <tbody> <tr><td>1</td><td>R71A</td><td>14</td><td>OR</td><td>3549416C1</td></tr> <tr><td>2</td><td>R56</td><td>14</td><td>OR</td><td>3549416C1</td></tr> <tr><td>3</td><td>R57</td><td>14</td><td>OR</td><td>3549416C1</td></tr> <tr><td>4</td><td>R68</td><td>14</td><td>BN</td><td>3549416C1</td></tr> <tr><td>5</td><td>R56T</td><td>10</td><td>YL</td><td>3549415C1</td></tr> <tr><td>6</td><td>R57T</td><td>10</td><td>LTGN</td><td>3549415C1</td></tr> <tr><td>7</td><td>R54T</td><td>10</td><td>BN</td><td>3549415C1</td></tr> <tr><td>8</td><td>R68T</td><td>10</td><td>BN</td><td>3549415C1</td></tr> <tr><td>9</td><td>R70T</td><td>10</td><td>RD</td><td>3549415C1</td></tr> <tr><td>10</td><td>R94T</td><td>10</td><td>GY</td><td>3549415C1</td></tr> <tr><td>11</td><td>PLUG</td><td>-</td><td>-</td><td>3598921C1</td></tr> <tr><td>12*</td><td>R56BB</td><td>16</td><td>YL</td><td>3549416C1</td></tr> <tr><td>12#</td><td>R56BB</td><td>14</td><td>YL</td><td>3549416C1</td></tr> <tr><td>13</td><td>R9</td><td>16</td><td>GY</td><td>3549416C1</td></tr> <tr><td>14</td><td>R94BM</td><td>16</td><td>GY</td><td>3549417C1</td></tr> <tr><td>15</td><td>R94BN</td><td>16</td><td>GY</td><td>3549417C1</td></tr> <tr><td>16</td><td>R94BE</td><td>16</td><td>GY</td><td>3549417C1</td></tr> <tr><td>17</td><td>R94BD</td><td>16</td><td>GY</td><td>3549417C1</td></tr> <tr><td>18</td><td>R94BH</td><td>16</td><td>GY</td><td>3549417C1</td></tr> <tr><td>19</td><td>R94BF</td><td>16</td><td>GY</td><td>3549417C1</td></tr> <tr><td>20</td><td>R94BL</td><td>16</td><td>GY</td><td>3549417C1</td></tr> <tr><td>21</td><td>R94BJ</td><td>16</td><td>GY</td><td>3549417C1</td></tr> <tr><td>22</td><td>R94BK</td><td>16</td><td>GY</td><td>3549417C1</td></tr> <tr><td>23</td><td>R94BA</td><td>16</td><td>GY</td><td>3549417C1</td></tr> </tbody> </table>	CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	1	R71A	14	OR	3549416C1	2	R56	14	OR	3549416C1	3	R57	14	OR	3549416C1	4	R68	14	BN	3549416C1	5	R56T	10	YL	3549415C1	6	R57T	10	LTGN	3549415C1	7	R54T	10	BN	3549415C1	8	R68T	10	BN	3549415C1	9	R70T	10	RD	3549415C1	10	R94T	10	GY	3549415C1	11	PLUG	-	-	3598921C1	12*	R56BB	16	YL	3549416C1	12#	R56BB	14	YL	3549416C1	13	R9	16	GY	3549416C1	14	R94BM	16	GY	3549417C1	15	R94BN	16	GY	3549417C1	16	R94BE	16	GY	3549417C1	17	R94BD	16	GY	3549417C1	18	R94BH	16	GY	3549417C1	19	R94BF	16	GY	3549417C1	20	R94BL	16	GY	3549417C1	21	R94BJ	16	GY	3549417C1	22	R94BK	16	GY	3549417C1	23	R94BA	16	GY	3549417C1	<table border="1" style="width:100%; 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MUTUALLY EXCLUSIVE</p>	CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	24	R94BB	16	GY	3549417C1	25	R94BC	16	GY	3549417C1	26	PLUG	-	-	3598921C1	27&	R36A	18	TN	3549418C1	27&	R28	18	TN	3549418C1	28	PLUG	-	-	3598921C1	29	PLUG	-	-	3598921C1	30	PLUG	-	-	3598921C1	31	R39B	16	GY	3549417C1	32	R94SZD	18	GY	3549418C1	33	R94SL	16	BN	3549417C1	34	PLUG	-	-	3598921C1	35	R94SM	16	BK	3549417C1	36	R94SE	18	BN	3549418C1	37	R94SF	18	OR	3549418C1	38	R94SN	16	RD	3549417C1	39	R94SVD	18	GY	3549418C1	40	R39A	18	GY	3549418C1	41	R92A	18	TN	3549418C1	42	R56BC	16	YL	3549417C1	43	R32A	18	TN	3549418C1	44	R32	18	TN	3549418C1	45	R49A	18	GY	3549418C1	46	PLUG	-	-	3598921C1	47	R59EB	18	GY	3549418C1	48	PLUG	-	-	3598921C1	49	R94SJ	18	GY	3549418C1	50	R49	18	GY	3549418C1	51	PLUG	-	-	3598921C1	52	R13TC1	16	PK	3549417C1	53	R11-GTC	16	WH	3549417C1	54	R94SAB	18	GY	3549418C1	55	R94SCB	18	GY	3549418C1	56	R94SBB	18	GY	3549418C1	57	R94SDB	18	GY	3549418C1	58&	R59ED	18	GY	3549418C1	58&	R59EF	18	GY	3549418C1	59	R59EC	18	GY	3549418C1	60	R94SZC	18	GY	3549418C1	61	R94SVC	18	GY	3549418C1	62	R94SH	18	GY	3549418C1	63	R57BB	16	LTGN	3549417C1	64	R57BC	16	LTGN	3549416C1	65	R59ED	16	GY	3549416C1	66	R59ED	16	GY	3549416C1	67	R19	16	GY	3549416C1	68	R65	16	OR	3549416C1	69	R94SK	16	GY	3549416C1	70	R71N	16	OR	3549416C1	71	R68BB	14	BN	3549416C1	72	R70BB	14	RD	3549416C1	73	R71BB	16	LTBL	3549416C1	74	R54BB	14	BN	3549416C1	75	R12BB	14	LTBL	3549416C1	76	PLUG	-	-	3598921C1
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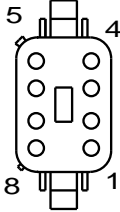
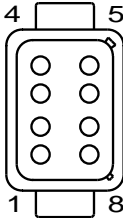
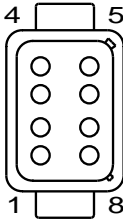
CONNECTOR COMPOSITES (1805), (1811), (1812), (1813), P. 92

<p><b>CATERPILLAR, INC</b>  <small>THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF CATERPILLAR, INC.</small></p>	<p><b>ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13</b>                  CONNECTOR BODY COMPOSITE MATING VIEW SHOWN</p>																									
<p style="text-align: center;">AIR APPLICATION GAUGE (1805)</p> <div style="text-align: center;">  </div> <p style="text-align: center;">CONNECTOR 1678137C1</p>	<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>A9AA</td> <td>18</td> <td>GY</td> <td>1651943C1</td> </tr> <tr> <td>B</td> <td>A6AA</td> <td>18</td> <td>LTGN</td> <td>1651943C1</td> </tr> <tr> <td>C</td> <td>A40B</td> <td>18</td> <td>GY</td> <td>1651943C1</td> </tr> </tbody> </table>	CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	A	A9AA	18	GY	1651943C1	B	A6AA	18	LTGN	1651943C1	C	A40B	18	GY	1651943C1					
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<p style="text-align: center;">PARK BRAKE (1813)</p> <div style="text-align: center;">  </div> <p style="text-align: center;">CONNECTOR 1661777C1                  BODY LOCK 1661873C1</p>	<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>C&amp;</td> <td>A44B</td> <td>16</td> <td>GY</td> <td>1661875C1</td> <td>1661872C1</td> </tr> <tr> <td>C&amp;</td> <td>A44A</td> <td>16</td> <td>GY</td> <td>1661875C1</td> <td>1661872C1</td> </tr> <tr> <td>D</td> <td>A44-GA</td> <td>18</td> <td>LTGN</td> <td>1661875C1</td> <td>1661872C1</td> </tr> </tbody> </table> <p style="text-align: center;">&amp; MUTUALLY EXCLUSIVE</p>	CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE	C&	A44B	16	GY	1661875C1	1661872C1	C&	A44A	16	GY	1661875C1	1661872C1	D	A44-GA	18	LTGN	1661875C1	1661872C1	
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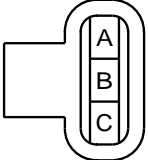
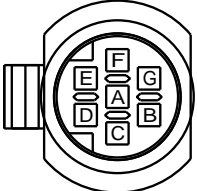
CONNECTOR COMPOSITES (1814), (1815), (1874B), (2300), P. 93

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<p>ENGINE PARK BRAKE SWITCH (1814)</p>  <p>CONNECTOR 1661777C1 BODY LOCK 1661873C1</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>CAV</th> <th>CIRCUIT</th> <th>GAUGE</th> <th>COLOR</th> <th>TERMINAL</th> <th>SEAL/SLEEVE</th> </tr> </thead> <tbody> <tr> <td>C</td> <td>A44V</td> <td>18</td> <td>GY</td> <td>1661875C1</td> <td>1661872C1</td> </tr> <tr> <td>D</td> <td>A44EC</td> <td>18</td> <td>VT</td> <td>1661875C1</td> <td>1661872C1</td> </tr> </tbody> </table>	CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE	C	A44V	18	GY	1661875C1	1661872C1	D	A44EC	18	VT	1661875C1	1661872C1																												
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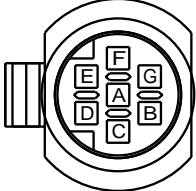
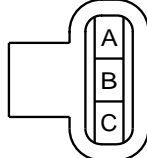

CONNECTOR COMPOSITES (4327), (4327L), (4327R), P. 94

<b>CATERPILLAR, INC</b> <small>THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF CATERPILLAR, INC.</small>		<b>ELECTRICAL CIRCUIT DIAGRAM 13</b> CONNECTOR BODY COMPOSITE MATING VIEW SHOWN																																														
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CONNECTOR COMPOSITES (4328), (4450BM), (4450M), P. 95

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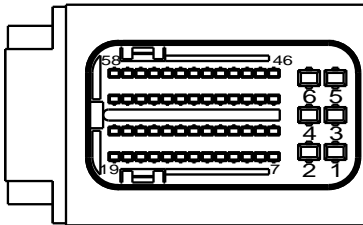
CONNECTOR COMPOSITES (4460BM), (4460M), (4950), P. 96

CATERPILLAR, INC <small>THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF CATERPILLAR, INC.</small>				ELECTRICAL CIRCUIT <del>CHAPTER</del> 13 CONNECTOR BODY COMPOSITE MATING VIEW SHOWN																																																			
<p>BODY BUILDER CONNECTION (4460BM)</p>  <p>CONNECTOR 2039311C91 BODY LOCK 2039342C1</p>				<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>CAV</th> <th>CIRCUIT</th> <th>GAUGE</th> <th>COLOR</th> <th>TERMINAL</th> <th>SEAL/SLEEVE</th> </tr> </thead> <tbody> <tr><td>A</td><td>R68BB</td><td>14</td><td>BN</td><td>3535486C1</td><td>0589391C1</td></tr> <tr><td>B</td><td>R56BB</td><td>14</td><td>YL</td><td>3535486C1</td><td>0589391C1</td></tr> <tr><td>C</td><td>R57BB</td><td>16</td><td>LTGN</td><td>2039343C1</td><td>1652325C1</td></tr> <tr><td>D</td><td>R54BB</td><td>14</td><td>BN</td><td>3535486C1</td><td>0589391C1</td></tr> <tr><td>E</td><td>R71BB</td><td>16</td><td>LTBL</td><td>2039343C1</td><td>1652325C1</td></tr> <tr><td>F</td><td>R12BB</td><td>14</td><td>LTBL</td><td>3535486C1</td><td>0589391C1</td></tr> <tr><td>G</td><td>R11-GBB</td><td>12</td><td>WH</td><td>2039344C1</td><td>0589390C1</td></tr> </tbody> </table>				CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE	A	R68BB	14	BN	3535486C1	0589391C1	B	R56BB	14	YL	3535486C1	0589391C1	C	R57BB	16	LTGN	2039343C1	1652325C1	D	R54BB	14	BN	3535486C1	0589391C1	E	R71BB	16	LTBL	2039343C1	1652325C1	F	R12BB	14	LTBL	3535486C1	0589391C1	G	R11-GBB	12	WH	2039344C1	0589390C1
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE																																																		
A	R68BB	14	BN	3535486C1	0589391C1																																																		
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G	R11-GBB	12	WH	2039344C1	0589390C1																																																		
<p>BODY BUILDER TURN / STOP (4460M)</p>  <p>CONNECTOR 1686834C1 BODY LOCK 1664408C1</p>				<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>CAV</th> <th>CIRCUIT</th> <th>GAUGE</th> <th>COLOR</th> <th>TERMINAL</th> <th>SEAL/SLEEVE</th> </tr> </thead> <tbody> <tr><td>A</td><td>R56BC</td><td>16</td><td>YL</td><td>2033819C1</td><td>1652325C1</td></tr> <tr><td>B</td><td>R57BC</td><td>16</td><td>LTGN</td><td>2033819C1</td><td>1652325C1</td></tr> <tr><td>C</td><td>R70BB</td><td>14</td><td>RD</td><td>2033816C1</td><td>0589391C1</td></tr> </tbody> </table>				CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE	A	R56BC	16	YL	2033819C1	1652325C1	B	R57BC	16	LTGN	2033819C1	1652325C1	C	R70BB	14	RD	2033816C1	0589391C1																								
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE																																																		
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B	R57BC	16	LTGN	2033819C1	1652325C1																																																		
C	R70BB	14	RD	2033816C1	0589391C1																																																		
<p>BENDIX AUTO TRACTION CONTROL (4950)</p>  <p>CONNECTOR 3678796C1</p>				<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>CAV</th> <th>CIRCUIT</th> <th>GAUGE</th> <th>COLOR</th> <th>TERMINAL</th> <th>SEAL/SLEEVE</th> </tr> </thead> <tbody> <tr><td>1</td><td>R94BN</td><td>16</td><td>GY</td><td>3679224C1</td><td>3601687C1</td></tr> <tr><td>2</td><td>R94BM</td><td>16</td><td>GY</td><td>3679224C1</td><td>3601687C1</td></tr> </tbody> </table>				CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE	1	R94BN	16	GY	3679224C1	3601687C1	2	R94BM	16	GY	3679224C1	3601687C1																														
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE																																																		
1	R94BN	16	GY	3679224C1	3601687C1																																																		
2	R94BM	16	GY	3679224C1	3601687C1																																																		
CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME																																																	
-	-	INITIAL RELEASE.	A	77636F	300371	CIRCUIT DIAGRAM, C-660, C680																																																	
					RELEASE NO. 77636F	DATE 11MAY11	PART NO. SHEET AE08067064 096																																																

CONNECTOR COMPOSITES (6018), P. 97

<p><b>CATERPILLAR, INC</b>  <small>THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF CATERPILLAR, INC.</small></p>	<p><b>ELECTRICAL CIRCUIT CHARTER 13</b>                  CONNECTOR BODY COMPOSITE MATING VIEW SHOWN</p>
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BOSCH ECM 1  
(6018)  
(LOCATED ON LEFT SIDE OF ENGINE)



CONNECTOR 3687798C1  
 BODY LOCK1 3687805C1  
 BODY LOCK2 3687806C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
1	K14G	14	RD	3687802C1	3624233C1
2	K92A16	14	WH	3687802C1	3624233C1
3	K14HA	14	RD	3687802C1	3624233C1
4	K92BA16	14	WH	3687802C1	3624233C1
5	K14KA	14	RD	3687802C1	3624233C1
6	K92C16	14	WH	3687802C1	3624233C1
7	PLUG	-	-	3623614C1	-
8	K34-GA	18	WH	3687804C1	-
9	K41-GA	18	WH	3687804C1	-
10	K95-GC	18	WH	3687804C1	-
11	K99-GD	18	PL	3687804C1	-
12	K95E	18	TN	3687804C1	-
13	PLUG	-	-	3623614C1	-
14	PLUG	-	-	3623614C1	-
15	K41A	18	TN	3687804C1	-
16	K95B	18	TN	3687804C1	-
17	K13D	18	PK	3687804C1	-
18*	K23-G	18	TN	3687804C1	-
18#	K23-G	18	WH	3687804C1	-
19	K14L	18	RD	3687804C1	-
20	PLUG	-	-	3623614C1	-

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
21	K41-GB	18	WH	3687804C1	-
22	K95-GA	18	WH	3687804C1	-
23	K99-G	18	PL	3687804C1	-
24	PLUG	-	-	3623614C1	-
25	K95V	18	TN	3687804C1	-
26	K95T	18	TN	3687804C1	-
27	K95C	18	TN	3687804C1	-
28	K95A	18	TN	3687804C1	-
29	PLUG	-	-	3623614C1	-
30	K23	18	TN	3687804C1	-
31	PLUG	-	-	3623614C1	-
32	PLUG	-	-	3623614C1	-
33	K95VC	18	TN	3687804C1	-
34%	K98YL2	20	YL	3687804C1	-
34**	K5S(+)	20	YL	3687804C1	-
34###	K5S(+)	18	YL	3687804C1	-
35	K98GN	18	GN	3687804C1	-
36	K99A5V	18	PL	3687804C1	-
37	K34BA	18	TN	3687804C1	-
38	PLUG	-	-	3623614C1	-
39	K95VE	18	TN	3687804C1	-
40	K95VIR	18	WH	3687804C1	-
41	K95-GE	18	WH	3687804C1	-
42	K34B	18	TN	3687804C1	-
43	PLUG	-	-	3623614C1	-
44	K41B	18	TN	3687804C1	-
45	PLUG	-	-	3623614C1	-
46	K95VB	18	TN	3687804C1	-
47&	K98GN2	20	GN	3687804C1	-
47&	K5S(-)	20	GN	3687804C1	-
47	K5S(-)	18	GN	3687804C1	-
48	K98YL	18	YL	3687804C1	-
49	K34BB	18	TN	3687804C1	-
50	K99D5V	18	PL	3687804C1	-
51	PLUG	-	-	3623614C1	-
52	K95VA	18	TN	3687804C1	-
53	K95VD	18	TN	3687804C1	-
54	K41C	18	TN	3687804C1	-
55	K95-GB	18	WH	3687804C1	-
56	PLUG	-	-	3623614C1	-
57	PLUG	-	-	3623614C1	-
58	K23C	18	TN	3687804C1	-

\* W/ VARIABLE SPEED FAN  
 # W/ 2 SPEED FAN  
 % W/ ALLISON TRANSMISSION  
 \*\* W/ MANUAL XMSN ULTRASHIFT VOCATIONAL PERFORMANCE  
 ### W/ CAT CX31 TRANSMISSION W/ RETARDER  
 & MUTUALLY EXCLUSIVE

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
-	-	INITIAL RELEASE.	A	77636F	300371	CIRCUIT DIAGRAM, C-660, C680
					RELEASE NO. 77636F	DATE 11MAY11
						PART NO. AE08067064
						SHEET 097

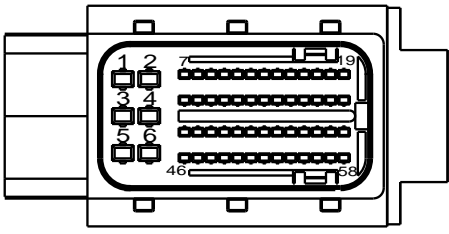


CONNECTOR COMPOSITES (6019), P. 98

<p style="text-align: center;"><b>CATERPILLAR, INC</b></p> <p style="font-size: small;">THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF CATERPILLAR, INC.</p>	<p style="text-align: right;"><b>CHAPTER 13</b></p> <p style="text-align: center;">ELECTRICAL CIRCUIT CONNECTOR BODY COMPOSITE MATING VIEW SHOWN</p>
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BOSCH ECM 2  
(6019)  
(LOCATED ON LEFT SIDE OF ENGINE)



CONNECTOR 3687797C1  
BODY LOCK1 3687805C1  
BODY LOCK2 3687806C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
21	PLUG	-	-	3623614C1	-
22	K97AE	18	PL	3687804C1	-
23*	K97CA	18	PL	3687804C1	-
23#	K97AA	18	PL	3687804C1	-
24	PLUG	-	-	3623614C1	-
25	PLUG	-	-	3623614C1	-
26	PLUG	-	-	3623614C1	-
27&	K23AC	18	TN	3687804C1	-
27%	K23AD	18	TN	3687804C1	-
27**	K23M	18	TN	3687804C1	-
27##	K23B	18	TN	3687804C1	-
27&&	K23C	18	TN	3687804C1	-
28	PLUG	-	-	3623614C1	-
29	PLUG	-	-	3623614C1	-
30	K49E	18	YL	3687804C1	-
31	PLUG	-	-	3623614C1	-
32	PLUG	-	-	3623614C1	-
33	K97AL	18	PL	3687804C1	-
34	K95-GF	18	WH	3687804C1	-
35	PLUG	-	-	3623614C1	-
36	K97AH	18	PL	3687804C1	-
37	K95W	18	TN	3687804C1	-
38	PLUG	-	-	3623614C1	-
39	K44EC	18	GY	3687804C1	-
40	K24AE	18	GY	3687804C1	-
41	K95-GD	18	WH	3687804C1	-
42	K95R	18	TN	3687804C1	-
43	K41E	18	LTGN	3687804C1	-
44	PLUG	-	-	3623614C1	-
45	PLUG	-	-	3623614C1	-
46	PLUG	-	-	3623614C1	-
47	PLUG	-	-	3623614C1	-
48	PLUG	-	-	3623614C1	-
49	K34C	18	TN	3687804C1	-
50	K95S	18	TN	3687804C1	-
51	PLUG	-	-	3623614C1	-
52*	K97CB	18	PL	3687804C1	-
52#	K97AB	18	PL	3687804C1	-
53	K24AF	18	GY	3687804C1	-
54	K99	18	PL	3687804C1	-
55	K99D	18	PL	3687804C1	-
56	PLUG	-	-	3623614C1	-
57	PLUG	-	-	3623614C1	-
58	PLUG	-	-	3623614C1	-

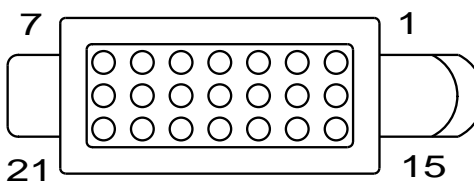
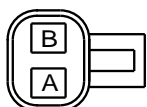
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
1	K14M	14	RD	3687802C1	3624233C1
2	K92D16	14	WH	3687802C1	3624233C1
3	PLUG	-	-	3623614C1	-
4	PLUG	-	-	3623614C1	-
5	PLUG	-	-	3623614C1	-
6	PLUG	-	-	3623614C1	-
7	K95K	18	TN	3687804C1	-
8	K95D	18	TN	3687804C1	-
9	PLUG	-	-	3623614C1	-
10	PLUG	-	-	3623614C1	-
11	PLUG	-	-	3623614C1	-
12	PLUG	-	-	3623614C1	-
13	PLUG	-	-	3623614C1	-
14	PLUG	-	-	3623614C1	-
15	PLUG	-	-	3623614C1	-
16	K97Y	18	TN	3687804C1	-
17	PLUG	-	-	3623614C1	-
18	PLUG	-	-	3623614C1	-
19	PLUG	-	-	3623614C1	-
20	K95M	18	TN	3687804C1	-

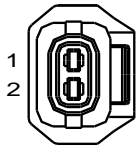
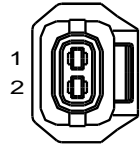
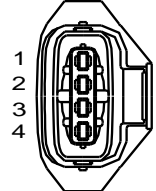

\* W/ REMOTE CRUISE  
 # W/ CRUISE & N/ REMOTE CRUISE  
 & W/ APADS & N/ FAN OVERRIDE  
 % W/ APADS, FAN OVERRIDE  
 \*\* W/ AC, FAN OVRD & N/ APADS & N/ REMOTE  
 ## W/ FAN OVERRIDE & N/ AC  
 && W/ AC & N/ FAN OVRD & N/ APADS & N/ REMOTE COND

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						PART NO. AE08067064
						SHEET 098

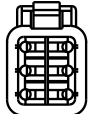
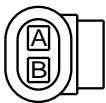
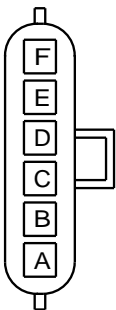
CONNECTOR COMPOSITES (6033), (6200), P. 99

<p><b>CATERPILLAR, INC</b> THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF CATERPILLAR, INC.</p>	<p><b>ELECTRICAL CIRCUIT CHARTER 13</b> CONNECTOR BODY COMPOSITE MATING VIEW SHOWN</p>																																																																																																																																																
<p style="text-align: center;">ENGINE SENSOR INTERFACE (6033) (LOCATED ON LEFT SIDE OF ENGINE)</p>  <p style="text-align: center;">CONNECTOR 3803137C1 BODY LOCK1 3803139C1 BODY LOCK2 3803117C1</p>	<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>CAV</th> <th>CIRCUIT</th> <th>GAUGE</th> <th>COLOR</th> <th>TERMINAL</th> <th>SEAL/SLEEVE</th> </tr> </thead> <tbody> <tr><td>1</td><td>K10-GJ</td><td>16</td><td>WH</td><td>3803140C1</td><td>3803134C1</td></tr> <tr><td>2</td><td>K10-GK</td><td>16</td><td>WH</td><td>3803140C1</td><td>3803134C1</td></tr> <tr><td>3</td><td>K13F</td><td>18</td><td>PK</td><td>3803140C1</td><td>3803134C1</td></tr> <tr><td>4</td><td>K13FA</td><td>18</td><td>PK</td><td>3803140C1</td><td>3803134C1</td></tr> <tr><td>5</td><td>K41A</td><td>18</td><td>TN</td><td>3803140C1</td><td>3803134C1</td></tr> <tr><td>6</td><td>K41-GA</td><td>18</td><td>WH</td><td>3803140C1</td><td>3803134C1</td></tr> <tr><td>7</td><td>K41B</td><td>18</td><td>TN</td><td>3803140C1</td><td>3803134C1</td></tr> <tr><td>8</td><td>K41C</td><td>18</td><td>TN</td><td>3803140C1</td><td>3803134C1</td></tr> <tr><td>9</td><td>K41-GB</td><td>18</td><td>WH</td><td>3803140C1</td><td>3803134C1</td></tr> <tr><td>10</td><td>K95H</td><td>18</td><td>TN</td><td>3803140C1</td><td>3803134C1</td></tr> <tr><td>11</td><td>K95J</td><td>18</td><td>TN</td><td>3803140C1</td><td>3803134C1</td></tr> <tr><td>12*</td><td>K97AJ</td><td>16</td><td>PL</td><td>3803140C1</td><td>3803134C1</td></tr> <tr><td>12#</td><td>K47</td><td>18</td><td>GY</td><td>3803140C1</td><td>3803134C1</td></tr> <tr><td>13*</td><td>K97AK</td><td>16</td><td>PL</td><td>3803140C1</td><td>3803134C1</td></tr> <tr><td>13#</td><td>K47A</td><td>18</td><td>GY</td><td>3803140C1</td><td>3803134C1</td></tr> <tr><td>14</td><td>K97Y</td><td>18</td><td>TN</td><td>3803140C1</td><td>3803134C1</td></tr> <tr><td>15</td><td>K41D</td><td>18</td><td>LTGN</td><td>3803140C1</td><td>3803134C1</td></tr> <tr><td>16</td><td>PLUG</td><td>-</td><td>-</td><td>3803138C1</td><td>-</td></tr> <tr><td>17</td><td>PLUG</td><td>-</td><td>-</td><td>3803138C1</td><td>-</td></tr> <tr><td>18</td><td>PLUG</td><td>-</td><td>-</td><td>3803138C1</td><td>-</td></tr> <tr><td>19</td><td>K21B3</td><td>18</td><td>TN</td><td>3803140C1</td><td>3803134C1</td></tr> <tr><td>20</td><td>K21B2</td><td>18</td><td>TN</td><td>3803140C1</td><td>3803134C1</td></tr> <tr><td>21</td><td>K21B1</td><td>18</td><td>TN</td><td>3803140C1</td><td>3803134C1</td></tr> </tbody> </table> <p style="text-align: center;">* W/ ALLISON TRANSMISSION # W/ MANUAL TRANSMISSION</p>	CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE	1	K10-GJ	16	WH	3803140C1	3803134C1	2	K10-GK	16	WH	3803140C1	3803134C1	3	K13F	18	PK	3803140C1	3803134C1	4	K13FA	18	PK	3803140C1	3803134C1	5	K41A	18	TN	3803140C1	3803134C1	6	K41-GA	18	WH	3803140C1	3803134C1	7	K41B	18	TN	3803140C1	3803134C1	8	K41C	18	TN	3803140C1	3803134C1	9	K41-GB	18	WH	3803140C1	3803134C1	10	K95H	18	TN	3803140C1	3803134C1	11	K95J	18	TN	3803140C1	3803134C1	12*	K97AJ	16	PL	3803140C1	3803134C1	12#	K47	18	GY	3803140C1	3803134C1	13*	K97AK	16	PL	3803140C1	3803134C1	13#	K47A	18	GY	3803140C1	3803134C1	14	K97Y	18	TN	3803140C1	3803134C1	15	K41D	18	LTGN	3803140C1	3803134C1	16	PLUG	-	-	3803138C1	-	17	PLUG	-	-	3803138C1	-	18	PLUG	-	-	3803138C1	-	19	K21B3	18	TN	3803140C1	3803134C1	20	K21B2	18	TN	3803140C1	3803134C1	21	K21B1	18	TN	3803140C1	3803134C1
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CONNECTOR COMPOSITES (6260VH), (6260VL), (6260VM), (6260VN), P. 100

<b>CATERPILLAR, INC</b>		<b>ELECTRICAL CIRCUIT CHARTER 13</b>																																											
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CONNECTOR COMPOSITES (6420), (6703), (6704B), P. 101

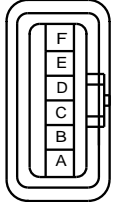
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<p style="text-align: center;">AIR RESTRICTION GAUGE (6703)</p> <div style="text-align: center;">  </div> <p style="text-align: center;">CONNECTOR 3522068C1 BODY LOCK 1661874C1</p>	<table border="1" style="width: 100%; border-collapse: collapse; text-align: 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>R28-G</td><td>18</td><td>WH</td><td>1661875C1</td><td>1661872C1</td></tr> <tr><td>B</td><td>R28</td><td>18</td><td>TN</td><td>1661875C1</td><td>1661872C1</td></tr> </tbody> </table>	CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE	A	R28-G	18	WH	1661875C1	1661872C1	B	R28	18	TN	1661875C1	1661872C1																																						
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B	R28	18	TN	1661875C1	1661872C1																																																				
<p style="text-align: center;">GROUND SPLICE (6704B)</p> <div style="text-align: center;">  </div> <p style="text-align: center;">CONNECTOR 3551896C1 BODY LOCK 3551897C1</p>	<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>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>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>PLUG</td><td>-</td><td>-</td><td>0587579C1</td><td>-</td></tr> </tbody> </table> <p style="text-align: center;">* W/ TRANSMISSION OIL TEMP, ALLISON # W/ TRANSMISSION OIL TEMP</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	C	K77-G	16	WH	2033819C1	1652325C1	D	PLUG	-	-	0587579C1	-	E	K30-GB	16	TN	2033819C1	1652325C1	F	PLUG	-	-	0587579C1	-								
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE																																																				
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D	PLUG	-	-	0587579C1	-																																																				
E	K30-GB	16	TN	2033819C1	1652325C1																																																				
F	PLUG	-	-	0587579C1	-																																																				
<table border="1" style="width: 100%; border-collapse: collapse; font-size: small;"> <tr> <td style="width: 5%;">CHK</td> <td style="width: 10%;">DATE</td> <td style="width: 25%;">CHANGE</td> <td style="width: 5%;">REV</td> <td style="width: 10%;">REFERENCE</td> <td style="width: 10%;">DRAWN</td> <td style="width: 35%;">NAME</td> </tr> <tr> <td>-</td> <td>-</td> <td>INITIAL RELEASE.</td> <td>A</td> <td>77636F</td> <td>300371</td> <td>CIRCUIT DIAGRAM, C-660, C680</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td>RELEASE NO.</td> <td>DATE</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td>77636F</td> <td>11MAY11</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>PART NO.</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>AE08067064</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>SHEET</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>101</td> </tr> </table>		CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME	-	-	INITIAL RELEASE.	A	77636F	300371	CIRCUIT DIAGRAM, C-660, C680						RELEASE NO.	DATE						77636F	11MAY11							PART NO.							AE08067064							SHEET							101
CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME																																																			
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						101																																																			

CONNECTOR COMPOSITES (6706), (6707), (6720), P. 102

<b>CATERPILLAR, INC</b>		<b>ELECTRICAL CIRCUIT DIAGRAM 13</b>	
THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF CATERPILLAR, INC.		CONNECTOR BODY COMPOSITE MATING VIEW SHOWN	

**ECM 5V SPLICE  
(6706)**  
(LOCATED ON LEFT SIDE OF ENGINE)

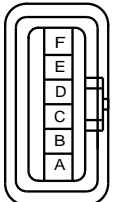


CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	K34BA	18	TN	3535303C1	3535424C1
B	K34BB	18	TN	3535303C1	3535424C1
C	PLUG	-	-	3535425C1	-
D	K23A1	18	TN	3535303C1	3535424C1
E	PLUG	-	-	3535425C1	-
F	PLUG	-	-	3535425C1	-

CONNECTOR 3543729C1  
BODY LOCK 3543731C1

**ECM 0V SPLICE  
(6707)**  
(LOCATED ON LEFT SIDE OF ENGINE)

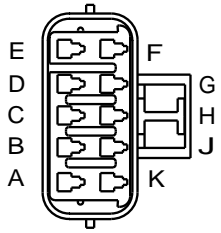


CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	K34-GA	18	WH	3535303C1	3535424C1
B	PLUG	-	-	3535425C1	-
C	PLUG	-	-	3535425C1	-
D	K23B1	18	TN	3535303C1	3535424C1
E	PLUG	-	-	3535425C1	-
F	PLUG	-	-	3535425C1	-

CONNECTOR 3543729C1  
BODY LOCK 3543731C1

**HORIZONTAL AFTERTREATMENT  
(6720)**  
(LOCATED ON LEFT SIDE OF ENGINE)



CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	K95A	18	TN	1661875C1	3568570C1
B	K95-GA	18	WH	1661875C1	3568570C1
C	K95B	18	TN	1661875C1	3568570C1
D	K95-GB	18	WH	1661875C1	3568570C1
E	K95C	18	TN	1661875C1	3568570C1
F	K95-GC	18	WH	1661875C1	3568570C1
G	K95-GD	18	WH	1661875C1	3568570C1
H	K95E	18	TN	1661875C1	3568570C1
J	K95DA	18	TN	1661875C1	3568570C1
K	PLUG	-	-	2025431C1	-

CONNECTOR 3538635C1  
BODY LOCK 3538636C1

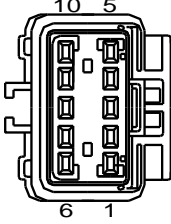
CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
-	-	INITIAL RELEASE.	A	77636F	300371	CIRCUIT DIAGRAM, C-660, C680
					RELEASE NO. 77636F	DATE 11MAY11
						PART NO. AE08067064
						SHEET 102

CONNECTOR COMPOSITES (6720), (6720A), (6720B), P. 103

<p><b>CATERPILLAR, INC</b>  <small>THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF CATERPILLAR, INC.</small></p>	<p><b>ELECTRICAL CIRCUIT CHARTER 13</b>                  CONNECTOR BODY COMPOSITE MATING VIEW SHOWN</p>
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HORIZONTAL AFTERTREATMENT / VERTICAL AFETRTREATMENT  
(6720)  
(LOCATED ON LEFT SIDE OF ENGINE)

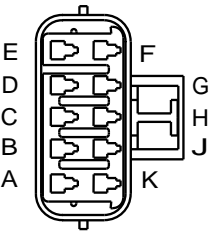


CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	K95A	18	TN	3613771C1
2	K95-GA	18	WH	3613771C1
3	K95B	18	TN	3613771C1
4	K95-GB	18	WH	3613771C1
5	K95C	18	TN	3613771C1
6	K95-GC	18	WH	3613771C1
7	K95-GD	18	WH	3613771C1
8	K95E	18	TN	3613771C1
9	K95DA	18	TN	3613771C1
10	PLUG	-	-	3573076C1

CONNECTOR 3690369C1

VERTICAL AFTERTREATMENT  
(6720A)  
(LOCATED ON LEFT SIDE OF ENGINE)

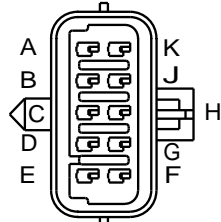


CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	K95A	18	TN	1661875C1	3568570C1
B	K95-GA	18	WH	1661875C1	3568570C1
C	K95B	18	TN	1661875C1	3568570C1
D	K95-GB	18	WH	1661875C1	3568570C1
E	K95C	18	TN	1661875C1	3568570C1
F	K95-GC	18	WH	1661875C1	3568570C1
G	K95-GD	18	WH	1661875C1	3568570C1
H	K95E	18	TN	1661875C1	3568570C1
J	K95DA	18	TN	1661875C1	3568570C1
K	PLUG	-	-	2025431C1	-

CONNECTOR 3538635C1  
BODY LOCK 3538636C1

ENGINE HORIZONTAL AFTERTREATMENT  
(6720B)  
(LOCATED ON LEFT SIDE OF ENGINE)



CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	K95A	18	TN	1667742C1	1661872C1
B	K95-GA	18	WH	1667742C1	1661872C1
C	K95B	18	TN	1667742C1	1661872C1
D	K95-GB	18	WH	1667742C1	1661872C1
E	K95C	18	TN	1667742C1	1661872C1
F	K95-GC	18	WH	1667742C1	1661872C1
G	K95-GD	18	WH	1667742C1	1661872C1
H	K95E	18	TN	1667742C1	1661872C1
J	K95DA	18	TN	1667742C1	1661872C1
K	PLUG	-	-	2025431C1	-

CONNECTOR 3538634C1  
BODY LOCK 3538636C1

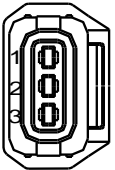
CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
-	-	INITIAL RELEASE.	A	77636F	300371	CIRCUIT DIAGRAM, C-660, C680
					RELEASE NO.	DATE
					77636F	11MAY11
					PART NO.	SHEET
					AE08067064	103

CONNECTOR COMPOSITES (6730), (7105), P. 104

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HC1 FUEL PRESSURE1 & TEMP  
(6730)  
(LOCATED ON LEFT SIDE OF ENGINE)

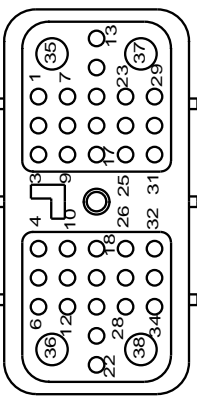


CONNECTOR 3689958C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
1	K95DB	18	TN	3689959C1	3623615C1
2	K95R	18	TN	3689959C1	3623615C1
3	K95S	18	TN	3689959C1	3623615C1

EATON GEN3 TCM  
(7105)  
(LOCATED ON LEFT SIDE OF XMSN)




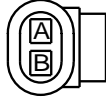
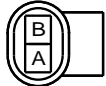
CONNECTOR 3599542C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	PLUG	-	-	3527276C1
2	K5V(-)	18	GN	3518963C1
3	K5V(+)	18	YL	3518963C1
4	K17-GA	18	WH	3518963C1
5	PLUG	-	-	3527276C1
6	PLUG	-	-	3527276C1
7	PLUG	-	-	3527276C1
8	PLUG	-	-	3527276C1
9	PLUG	-	-	3527276C1
10	K98+	18	BK	3518963C1
11	K98-	18	BK	3518963C1
12	PLUG	-	-	3527276C1
13	PLUG	-	-	3527276C1
14	PLUG	-	-	3527276C1
15	PLUG	-	-	3527276C1
16	PLUG	-	-	3527276C1
17	PLUG	-	-	3527276C1
18	PLUG	-	-	3527276C1
19	PLUG	-	-	3527276C1
20	K92EG	18	TN	3518963C1
21	K92EH	18	TN	3518963C1
22	K92EJ	18	TN	3518963C1
23	PLUG	-	-	3527276C1
24	PLUG	-	-	3527276C1
25	K92J	18	TN	3518963C1
26	K17EM	18	PK	3518963C1
27	K98GN6	18	GN	3518963C1
28	K98YL6	18	YL	3518963C1
29	PLUG	-	-	3527276C1
30	PLUG	-	-	3527276C1
31	K92ER	18	TN	3518963C1
32	K17EA	18	PK	3518963C1
33	PLUG	-	-	3527276C1
34	PLUG	-	-	3527276C1
35	K92ET	12	TN	3557534C1
36	K10-GE	12	WH	3557534C1
37	PLUG	-	-	3527276C1
38	K14AT	10	RD	3841700C1

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
-	-	INITIAL RELEASE.	A	77636F	300371	CIRCUIT DIAGRAM, C-660, C680
					RELEASE NO. 77636F	DATE 11MAY11 PART NO. AE08067064 SHEET 104

CONNECTOR COMPOSITES (7110), (7500W), (7600), P. 105

<b>CATERPILLAR, INC</b>				<b>ELECTRICAL CIRCUIT <del>CHAPTER</del> 13</b>																											
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<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p style="text-align: center;">J1939 (7110) (LOCATED ON TRANSMISSION)</p>  <p style="text-align: center;">CONNECTOR 1667741C1 BODY LOCK 1667771C1</p> </div> <div style="width: 50%;"> <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>K5TB(+)</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>K5TB(-)</td> <td>18</td> <td>GN</td> <td>1661875C1</td> <td>3568570C1</td> </tr> </tbody> </table> </div> </div>								CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE	A	K5TB(+)	18	YL	1661875C1	3568570C1	B	PLUG	-	-	2025431C1	-	C	K5TB(-)	18	GN	1661875C1	3568570C1
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE																										
A	K5TB(+)	18	YL	1661875C1	3568570C1																										
B	PLUG	-	-	2025431C1	-																										
C	K5TB(-)	18	GN	1661875C1	3568570C1																										
<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <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> </div> <div style="width: 50%;"> <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>K71</td> <td>16</td> <td>OR</td> <td>1661875C1</td> <td>1661872C1</td> </tr> <tr> <td>B</td> <td>K71A</td> <td>16</td> <td>OR</td> <td>1661875C1</td> <td>1661872C1</td> </tr> </tbody> </table> </div> </div>								CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE	A	K71	16	OR	1661875C1	1661872C1	B	K71A	16	OR	1661875C1	1661872C1						
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE																										
A	K71	16	OR	1661875C1	1661872C1																										
B	K71A	16	OR	1661875C1	1661872C1																										
<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <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</p> </div> <div style="width: 50%;"> <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>K47</td> <td>18</td> <td>GY</td> <td>3554322C1</td> <td>3554318C1</td> </tr> <tr> <td>B</td> <td>K47A</td> <td>18</td> <td>GY</td> <td>3554322C1</td> <td>3554318C1</td> </tr> </tbody> </table> </div> </div>								CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE	A	K47	18	GY	3554322C1	3554318C1	B	K47A	18	GY	3554322C1	3554318C1						
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE																										
A	K47	18	GY	3554322C1	3554318C1																										
B	K47A	18	GY	3554322C1	3554318C1																										
CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME																									
-	-	INITIAL RELEASE.	A	77636F	300371	CIRCUIT DIAGRAM, C-660, C680																									
					RELEASE NO.	DATE	PART NO. SHEET																								
					77636F	11MAY11	AE08067064 105																								

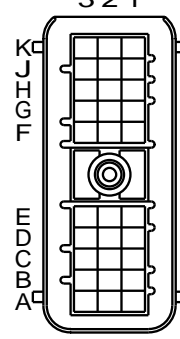


CONNECTOR COMPOSITES (7905), (8000), P. 106

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ULTRASHIFT SELECTOR (7905)  
3 2 1

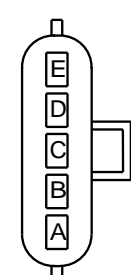


CONNECTOR 3554089C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A1	PLUG	-	-	3554386C1
A2	PLUG	-	-	3554386C1
A3	PLUG	-	-	3554386C1
B1	PLUG	-	-	3554386C1
B2	PLUG	-	-	3554386C1
B3	K62	18	DKBL	3565443C1
C1	K92B	18	TN	3565443C1
C2	PLUG	-	-	3554386C1
C3	PLUG	-	-	3554386C1
D1	PLUG	-	-	3554386C1
D2	PLUG	-	-	3554386C1
D3	PLUG	-	-	3554386C1
E1	PLUG	-	-	3554386C1
E2	PLUG	-	-	3554386C1
E3	PLUG	-	-	3554386C1
F1	K5A(+)	18	YL	3565443C1
F2	K5A(-)	18	GN	3565443C1
F3	PLUG	-	-	3554386C1
G1	PLUG	-	-	3554386C1
G2	PLUG	-	-	3554386C1
G3	PLUG	-	-	3554386C1
H1	PLUG	-	-	3554386C1
H2	PLUG	-	-	3554386C1
H3	PLUG	-	-	3554386C1
J1	PLUG	-	-	3554386C1
J2	PLUG	-	-	3554386C1
J3	K92A	18	TN	3565443C1
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HOOD INTERCONNECT (8000)



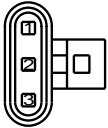
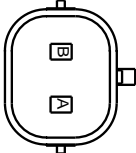
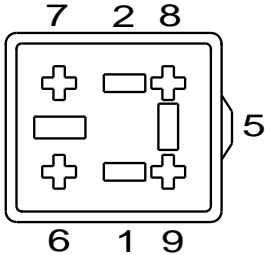
CONNECTOR 1661375C2  
BODY LOCK 1661376C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	M52A	14	YL	2033816C1	0589391C1
B	M11-GA	14	WH	2033816C1	0589391C1
C	M53A	14	YL	2033816C1	0589391C1
D	M56/57A	16	OR	2033819C1	1652325C1
E	M54A	16	BN	2033819C1	1652325C1

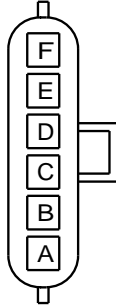
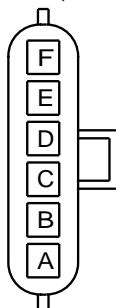
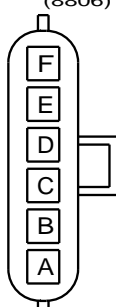
  

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
-	-	INITIAL RELEASE.	A	77636F	300371	CIRCUIT DIAGRAM, C-660, C680
					RELEASE NO. 77636F	DATE 11MAY11
						PART NO. AE08067064
						SHEET 106

CONNECTOR COMPOSITES (8165), (8200), (8410), P. 107

<p><b>CATERPILLAR, INC</b> THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF CATERPILLAR, INC.</p>	<p><b>ELECTRICAL CIRCUIT CHARTER 13</b> CONNECTOR BODY COMPOSITE MATING VIEW SHOWN</p>																																																												
<p style="text-align: center;">SIDE TURN / MARKER (8165)</p>  <p style="text-align: center;">CONNECTOR 3522187C1</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>CAV</th> <th>CIRCUIT</th> <th>GAUGE</th> <th>COLOR</th> <th>TERMINAL</th> <th>SEAL/SLEEVE</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>M56/57B</td> <td>16</td> <td>OR</td> <td>3522190C1</td> <td>3522194C1</td> </tr> <tr> <td>2</td> <td>M54B</td> <td>16</td> <td>BN</td> <td>3522190C1</td> <td>3522194C1</td> </tr> <tr> <td>3</td> <td>M11-GB</td> <td>16</td> <td>WH</td> <td>3522190C1</td> <td>3522194C1</td> </tr> </tbody> </table>	CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE	1	M56/57B	16	OR	3522190C1	3522194C1	2	M54B	16	BN	3522190C1	3522194C1	3	M11-GB	16	WH	3522190C1	3522194C1																																				
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<p style="text-align: center;">BUMPER FOG LIGHT (8200)</p>  <p style="text-align: center;">CONNECTOR 3543888C1 BODY LOCK 1661874C1</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>CAV</th> <th>CIRCUIT</th> <th>GAUGE</th> <th>COLOR</th> <th>TERMINAL</th> <th>SEAL/SLEEVE</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>M64A</td> <td>16</td> <td>YL</td> <td>1667742C1</td> <td>1661872C1</td> </tr> <tr> <td>B</td> <td>M64-GB</td> <td>16</td> <td>WH</td> <td>1667742C1</td> <td>1661872C1</td> </tr> </tbody> </table>	CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE	A	M64A	16	YL	1667742C1	1661872C1	B	M64-GB	16	WH	1667742C1	1661872C1																																										
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B	M64-GB	16	WH	1667742C1	1661872C1																																																								
<p style="text-align: center;">FLAME START RELAY (8410) (LOCATED ON LEFT SIDE OF ENGINE)</p>  <p style="text-align: center;">CONNECTOR 3664985C1</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>CAV</th> <th>CIRCUIT</th> <th>GAUGE</th> <th>COLOR</th> <th>TERMINAL</th> <th>SEAL/SLEEVE</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>K21A1</td> <td>12</td> <td>TN</td> <td>3664983C1</td> <td>3664987C1</td> </tr> <tr> <td>2</td> <td>K21A2</td> <td>12</td> <td>TN</td> <td>3664983C1</td> <td>3664987C1</td> </tr> <tr> <td>3</td> <td>K14A1</td> <td>8</td> <td>RD</td> <td>3664982C1</td> <td>3664986C1</td> </tr> <tr> <td>4</td> <td>PLUG</td> <td>-</td> <td>-</td> <td>3664989C1</td> <td>-</td> </tr> <tr> <td>5</td> <td>PLUG</td> <td>-</td> <td>-</td> <td>3664989C1</td> <td>-</td> </tr> <tr> <td>6</td> <td>K21B1</td> <td>18</td> <td>TN</td> <td>3664984C1</td> <td>3664988C1</td> </tr> <tr> <td>7</td> <td>K21B2</td> <td>18</td> <td>TN</td> <td>3664984C1</td> <td>3664988C1</td> </tr> <tr> <td>8</td> <td>K21B3</td> <td>18</td> <td>TN</td> <td>3664984C1</td> <td>3664988C1</td> </tr> <tr> <td>9</td> <td>PLUG</td> <td>-</td> <td>-</td> <td>3664989C1</td> <td>-</td> </tr> </tbody> </table>	CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE	1	K21A1	12	TN	3664983C1	3664987C1	2	K21A2	12	TN	3664983C1	3664987C1	3	K14A1	8	RD	3664982C1	3664986C1	4	PLUG	-	-	3664989C1	-	5	PLUG	-	-	3664989C1	-	6	K21B1	18	TN	3664984C1	3664988C1	7	K21B2	18	TN	3664984C1	3664988C1	8	K21B3	18	TN	3664984C1	3664988C1	9	PLUG	-	-	3664989C1	-
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE																																																								
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CONNECTOR COMPOSITES (8802), (8805), (8806), P. 108

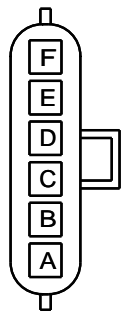
<p><b>CATERPILLAR, INC</b> THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF CATERPILLAR, INC.</p>	<p><b>ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13</b> CONNECTOR BODY COMPOSITE MATING VIEW SHOWN</p>																																																
<p>ISOLATED GROUND SPLICE PACK (8802)</p>  <p>CONNECTOR 3551896C1 BODY LOCK 3551897C1</p>	<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>CAV</th> <th>CIRCUIT</th> <th>GAUGE</th> <th>COLOR</th> <th>TERMINAL</th> <th>SEAL/SLEEVE</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>R9</td> <td>16</td> <td>GY</td> <td>2033819C1</td> <td>1652325C1</td> </tr> <tr> <td>B</td> <td>R9A</td> <td>18</td> <td>GY</td> <td>2033819C1</td> <td>1652325C1</td> </tr> <tr> <td>C</td> <td>R9B</td> <td>18</td> <td>GY</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>PLUG</td> <td>-</td> <td>-</td> <td>0587579C1</td> <td>-</td> </tr> <tr> <td>F*</td> <td>R9F</td> <td>18</td> <td>GY</td> <td>2033819C1</td> <td>1652325C1</td> </tr> <tr> <td>F#</td> <td>R9H</td> <td>18</td> <td>GY</td> <td>2033819C1</td> <td>1652325C1</td> </tr> </tbody> </table> <p>* W/ STANDARD AXLE TEMP # W/ REAR AND RR AXLE TEMP</p>	CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE	A	R9	16	GY	2033819C1	1652325C1	B	R9A	18	GY	2033819C1	1652325C1	C	R9B	18	GY	2033819C1	1652325C1	D	PLUG	-	-	0587579C1	-	E	PLUG	-	-	0587579C1	-	F*	R9F	18	GY	2033819C1	1652325C1	F#	R9H	18	GY	2033819C1	1652325C1
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<p>AIR SOLENOID GROUND SPLICE (8805)</p>  <p>CONNECTOR 3551896C1 BODY LOCK 3551897C1</p>	<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>CAV</th> <th>CIRCUIT</th> <th>GAUGE</th> <th>COLOR</th> <th>TERMINAL</th> <th>SEAL/SLEEVE</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>R59-G</td> <td>12</td> <td>WH</td> <td>2033816C1</td> <td>0589390C1</td> </tr> <tr> <td>B</td> <td>PLUG</td> <td>-</td> <td>-</td> <td>0587579C1</td> <td>-</td> </tr> <tr> <td>C</td> <td>PLUG</td> <td>-</td> <td>-</td> <td>0587579C1</td> <td>-</td> </tr> <tr> <td>D</td> <td>PLUG</td> <td>-</td> <td>-</td> <td>0587579C1</td> <td>-</td> </tr> <tr> <td>E</td> <td>PLUG</td> <td>-</td> <td>-</td> <td>0587579C1</td> <td>-</td> </tr> <tr> <td>F</td> <td>R19-G</td> <td>16</td> <td>WH</td> <td>2033819C1</td> <td>1652325C1</td> </tr> </tbody> </table>	CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE	A	R59-G	12	WH	2033816C1	0589390C1	B	PLUG	-	-	0587579C1	-	C	PLUG	-	-	0587579C1	-	D	PLUG	-	-	0587579C1	-	E	PLUG	-	-	0587579C1	-	F	R19-G	16	WH	2033819C1	1652325C1						
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CONNECTOR COMPOSITES (8807), (8809), (9001), P. 109

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**CHASSIS GROUND SPLICE PACK (8807)**



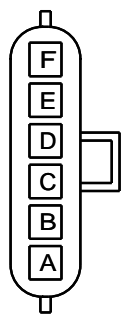
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
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B	R10-G	12	WH	2033816C1	0589391C1
C	R39-GB	16	WH	2033819C1	1652325C1
D	R39-GF	18	WH	2033819C1	1652325C1
E	R11-GC	14	WH	2033816C1	0589391C1
F*	R11-GD	12	WH	2033816C1	0589390C1
F#	R11-GBB	12	WH	2033816C1	0589390C1

CONNECTOR 3551896C1  
BODY LOCK 3551897C1

\* W/ BACK OF CAB BODY BUILDER WIRING  
# W/ END OF FRAME BODY BUILDER WIRING

**CHASSIS GROUND SPLICE PACK (8809)**

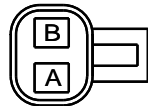


CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	R11-GB	12	GY	2033816C1	0589390C1
B	PLUG	-	-	0587579C1	-
C	R28-G	18	WH	2033819C1	1652325C1
D	R65-G	16	WH	2033819C1	1652325C1
E	R49-GA	18	WH	2033819C1	1652325C1
F	R59-G	12	WH	2033816C1	0589390C1

CONNECTOR 3551896C1  
BODY LOCK 3551897C1

**LEFT SIDE HEATED DRAIN VALVE (9001)**



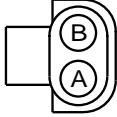
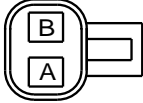
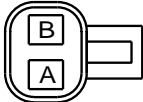
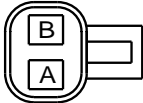
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	R39A	18	GY	2033819C1	1652325C1
B	R39-GF	18	WH	2033819C1	1652325C1

CONNECTOR 1671610C1  
BODY LOCK 1671608C1

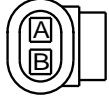
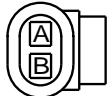
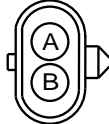
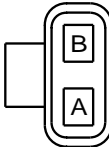
  

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
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					RELEASE NO.	DATE
					77636F	11MAY11
					PART NO.	SHEET
					AE08067064	109

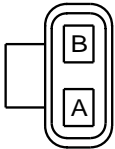
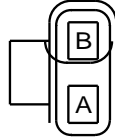
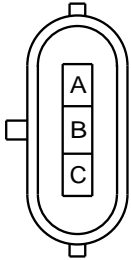
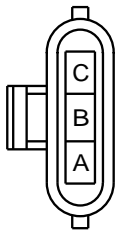
CONNECTOR COMPOSITES (9001A), (9002), (9003), (9003B), P. 110

<p><b>CATERPILLAR, INC</b>  <small>THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF CATERPILLAR, INC.</small></p>	<p><b>ELECTRICAL CIRCUIT <del>CHAPTER</del> 13</b>                  CONNECTOR BODY COMPOSITE MATING VIEW SHOWN</p>																													
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<p>RIGHT SIDE HTD DRAIN VALVE (9002)</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> </tr> </thead> <tbody> <tr> <td>A</td> <td>R39A</td> <td>18</td> <td>GY</td> <td>2033819C1</td> <td>1652325C1</td> </tr> <tr> <td>B</td> <td>R39-GF</td> <td>18</td> <td>WH</td> <td>2033819C1</td> <td>1652325C1</td> </tr> </tbody> </table> <p>CONNECTOR 1671610C1 BODY LOCK 1671608C1</p>	CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE	A	R39A	18	GY	2033819C1	1652325C1	B	R39-GF	18	WH	2033819C1	1652325C1												
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<p>LEFT SIDE BOC HTD DRAIN VALVE (9003)</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> </tr> </thead> <tbody> <tr> <td>A</td> <td>R39A</td> <td>18</td> <td>GY</td> <td>2033819C1</td> <td>1652325C1</td> </tr> <tr> <td>B</td> <td>R39-GF</td> <td>18</td> <td>WH</td> <td>2033819C1</td> <td>1652325C1</td> </tr> </tbody> </table> <p>CONNECTOR 1671610C1 BODY LOCK 1671608C1</p>	CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE	A	R39A	18	GY	2033819C1	1652325C1	B	R39-GF	18	WH	2033819C1	1652325C1												
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<p>LEFT SIDE BOC HEATED DRAIN VALVE (9003B)</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> </tr> </thead> <tbody> <tr> <td>A</td> <td>R39A</td> <td>18</td> <td>GY</td> <td>2033819C1</td> <td>1652325C1</td> </tr> <tr> <td>B</td> <td>R39-GF</td> <td>18</td> <td>WH</td> <td>2033819C1</td> <td>1652325C1</td> </tr> </tbody> </table> <p>CONNECTOR 1671610C1 BODY LOCK 1671608C1</p>	CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE	A	R39A	18	GY	2033819C1	1652325C1	B	R39-GF	18	WH	2033819C1	1652325C1												
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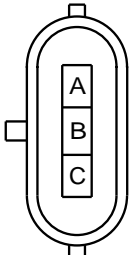
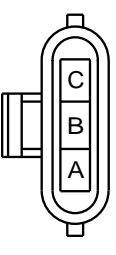
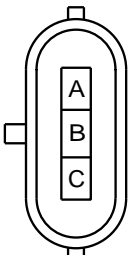
CONNECTOR COMPOSITES (9100), (9101), (9109A), (9254), P. 111

<b>CATERPILLAR, INC</b>				<b>ELECTRICAL CIRCUIT <del>CHAPTER</del> 13</b>																					
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<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p style="text-align: center;">LEFT FUEL SENDER (9100)</p>  <p style="text-align: center;">CONNECTOR 1661778C1 BODY LOCK 1661874C1</p> </div> <div style="width: 50%;"> <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>R36A</td> <td>18</td> <td>TN</td> <td>1661875C1</td> <td>1661872C1</td> </tr> <tr> <td>B</td> <td>R9A</td> <td>18</td> <td>GY</td> <td>1661875C1</td> <td>1661872C1</td> </tr> </tbody> </table> </div> </div>								CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE	A	R36A	18	TN	1661875C1	1661872C1	B	R9A	18	GY	1661875C1	1661872C1
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<p style="text-align: center;">FUEL HEATER (9109A) (LOCATED ON LEFT FRONT RAIL BY FRONT AXLE)</p>  <p style="text-align: center;">CONNECTOR 0587567C91</p> <table border="1" style="width: 100%; border-collapse: collapse; font-size: x-small; margin-top: 10px;"> <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>R19</td> <td>16</td> <td>GY</td> <td>0587577C1</td> <td>1652325C1</td> </tr> <tr> <td>B</td> <td>R19-G</td> <td>16</td> <td>WH</td> <td>0587577C1</td> <td>1652325C1</td> </tr> </tbody> </table>								CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE	A	R19	16	GY	0587577C1	1652325C1	B	R19-G	16	WH	0587577C1	1652325C1
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<p style="text-align: center;">ENGINE ECM FEED FUSE CONNECTOR (9254)</p>  <p style="text-align: center;">CONNECTOR 3512967C1</p> <table border="1" style="width: 100%; border-collapse: collapse; font-size: x-small; margin-top: 10px;"> <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>A14Z</td> <td>10</td> <td>RD</td> <td>3679001C1</td> </tr> <tr> <td>B</td> <td>A14A</td> <td>10</td> <td>RD</td> <td>3679001C1</td> </tr> </tbody> </table>								CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	A	A14Z	10	RD	3679001C1	B	A14A	10	RD	3679001C1			
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CONNECTOR COMPOSITES (9255), (9256), (9260), (9261), P. 112

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CONNECTOR COMPOSITES (9260), (9260A), (9261), P. 113

<p><b>CATERPILLAR, INC</b> THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF CATERPILLAR, INC.</p>	<p><b>ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13</b> CONNECTOR BODY COMPOSITE MATING VIEW SHOWN</p>																																																						
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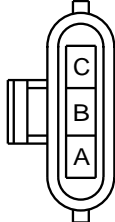


CONNECTOR COMPOSITES (9261A), (9303A), P. 114

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GND FEED CONN 2  
(9261A)



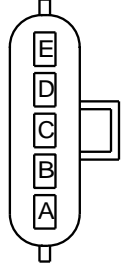
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BODY LOCK 1667734C1

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A&	A11-GN	10	WH	1667737C1	1667735C1
B	A11-GB	10	WH	1667737C1	1667735C1
C	A11-GC	10	WH	1667737C1	1667735C1

& MUTUALLY EXCLUSIVE

STOP TAIL AND TURN  
(9303A)




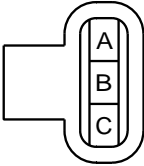

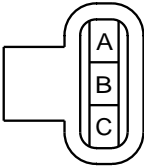
CONNECTOR 1661375C2  
BODY LOCK 1661376C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
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B	R56	14	OR	2033816C1	0589391C1
C	R57	14	OR	2033816C1	0589391C1
D	R68	14	BN	2033816C1	0589391C1
E	R10-G	12	WH	2033816C1	0589391C1

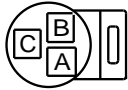
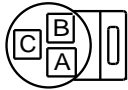
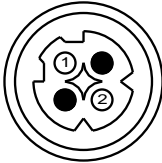
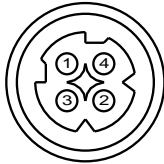
  

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
-	-	INITIAL RELEASE.	A	77636F	300371	CIRCUIT DIAGRAM, C-660, C680
					RELEASE NO.	DATE
					77636F	11MAY11
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					AE08067064	114

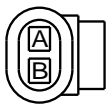
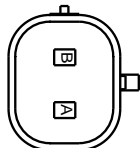
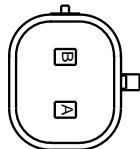
CONNECTOR COMPOSITES (9501), (9502), (9503), (9504), P. 115

<b>CATERPILLAR, INC</b>				<b>ELECTRICAL CIRCUIT <del>CHAPTER</del> 13</b>																											
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CONNECTOR COMPOSITES (9510A), (9510B), (9512C), (9514F), P. 116

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2	R94SCB	18	GY	3601686C1	3601687C1																															
3	R94SBB	18	GY	3601686C1	3601687C1																															
4	R94SDB	18	GY	3601686C1	3601687C1																															
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CONNECTOR COMPOSITES (9718A), (9719), (9720), P. 117

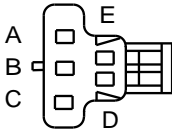
<p><b>CATERPILLAR, INC</b> THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF CATERPILLAR, INC.</p>	<p><b>ELECTRICAL CIRCUIT <del>CHAPTER</del> 13</b> CONNECTOR BODY COMPOSITE MATING VIEW SHOWN</p>																																														
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CONNECTOR COMPOSITES (9761F), (9763), P. 118

<b>CATERPILLAR, INC</b>		<b>ELECTRICAL CIRCUIT DIAGRAM 13</b>	
THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF CATERPILLAR, INC.		CONNECTOR BODY COMPOSITE MATING VIEW SHOWN	

LIFT AXLE  
(9761F)



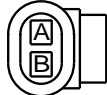
CONNECTOR 3522252C1  
BODY LOCK 3522253C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A&	R59ED	18	GY	1667742C1	1661872C1
A&	R59EC	18	GY	1667742C1	1661872C1
A&	R59EF	18	GY	1667742C1	1661872C1
B&	R59ED	18	GY	1667742C1	1661872C1
B&	R59EF	18	GY	1667742C1	1661872C1
C	R59ED	18	GY	1667742C1	1661872C1
C	R59ED	18	GY	1667742C1	1661872C1
D	PLUG	-	-	2025431C1	-
E	R71N	16	OR	1667742C1	1661872C1

& MUTUALLY EXCLUSIVE

SECOND PUSHER AXLE  
(9763)



CONNECTOR 1661778C1  
BODY LOCK 1661874C1

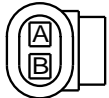
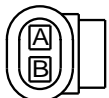
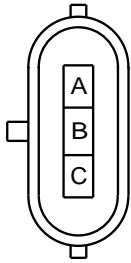
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	R59EC	18	GY	1661875C1	1661872C1
A	R59EC	18	GY	1661875C1	1661872C1
B&	R59-GA	18	WH	1661875C1	1661872C1
B&	R59-GB	18	WH	1661875C1	1661872C1

& MUTUALLY EXCLUSIVE

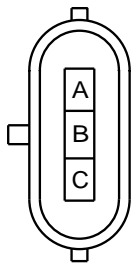
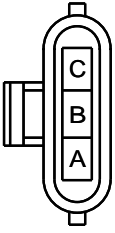
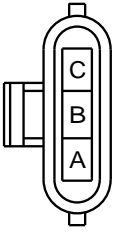
  

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
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					RELEASE NO. 77636F	DATE 11MAY11
					PART NO. AE08067064	SHEET 118



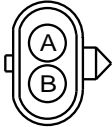
CONNECTOR COMPOSITES (9764), (9765), (9779F), P. 119

<p><b>CATERPILLAR, INC</b> THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF CATERPILLAR, INC.</p>	<p><b>ELECTRICAL CIRCUIT CHARTER 13</b> CONNECTOR BODY COMPOSITE MATING VIEW SHOWN</p>																																														
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CONNECTOR COMPOSITES (9779FB), (9780M), (9780MB), P. 120

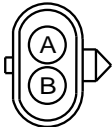
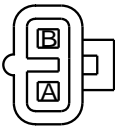
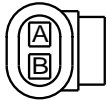
CATERPILLAR, INC				ELECTRICAL CIRCUIT <del>CHAPTER</del> 13																																											
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CONNECTOR COMPOSITES (9811), (9812), (9814), P. 121

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CONNECTOR COMPOSITES (9815), (9900A), (9924), P. 122

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