

SERVICE MANUAL

SERVICE MANUAL SECTION

Iraqi Bus Starting September, 2004 — ELECTRICAL CIRCUIT DIAGRAMS

**Model: Iraqi Bus
Start Date: 09/10/2004**

S08292

02/04/2005

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1. INSTRUCTIONS AND CHARTS (CHAPTER 1)

NOTE – Sheets not shown are intentionally left blank.

1.1. CIRCUIT NUMBER IDENTIFICATION CHART, P. 5

INTERNATIONAL TRUCK AND ENGINE CORPORATION				ELECTRICAL CIRCUIT DIAGRAM				CHAPTER 1			
THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF THE INTERNATIONAL TRUCK AND ENGINE CORPORATION.				INTERNATIONAL CIRCUIT NUMBER IDENTIFICATION AND LOCATION							
PREFIX DESIGNATIONS											
PREFIX		LOCATION									
A		Cab-Instrument Panel									
K		Engine/Transmission									
L		Drive Train Data Link/Fan Solenoid									
M		Horn									
N		Chassis, Front Section									
R		Chassis, Rear Section									
U		Hood Harness									
CIRCUIT NUMBER AND IDENTIFICATIONS											
CIRCUIT NUMBER		COLOR		DESCRIPTION							
1		LTBL		ALTERNATOR - FIELD							
2		RD		ALTERNATOR - CHARGE							
3		DKBL GY		1708 DATA LINK, SWITCH DATA LINK (+) 1708 DATA LINK, SWITCH DATA LINK (-)							
4											
5		YL GN		DRIVE TRAIN J1939 DATA LINK (+) DRIVE TRAIN J1939 DATA LINK (-)							
6		GY		LOW VOLTAGE ELECTRONIC FEED (< 9 VOLTS)							
7		RD		ALTERNATOR - RESISTANCE							
8											
CHK	DATE	CHANGED BY - LATEST CHANGE			REV	REFERENCE	DRAWN		NAME		
							U00JLH3		IRAQI BUS ELECTRICAL CIRCUIT DIAGRAMS		
							RELEASE NO.		DATE	PART NO.	SHEET
							59419M		10SEP04	AE08-55712	05

Figure 1 Circuit Number Identification Chart

1.2. CIRCUIT NUMBER IDENTIFICATION CHART, P. 6

INTERNATIONAL TRUCK AND ENGINE CORPORATION

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ELECTRICAL CIRCUIT DIAGRAM

CHAPTER 1

INTERNATIONAL CIRCUIT NUMBER IDENTIFICATION AND LOCATION (CONT.)

CIRCUIT NUMBER AND IDENTIFICATIONS (CONT.)

CIRCUIT NUMBER	COLOR	DESCRIPTION
9	GY	ZERO VOLT REFERENCE (ZVR)
10	WH	CHASSIS/ENGINE GROUND
11	WH	CAB GROUND
12	LTBL	ACCESSORY FEED
13	PK BK	IGNITION FEED IGNITION FEED (BODY BUILDER CONNECTOR)
14	RD	BATTERY FEED
15	RD	KEY SWITCH FEED
16		
17	PK	STARTER CONTROL
18	PK	GLOW PLUG/PRE-HEATER
19	GY	ENGINE SHUTDOWN
20	LTGN	REMOTE POWER MODULE
21	TN	COLD START CONTROLS (ETHER)
22		
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

CHK	DATE	CHANGED BY - LATEST CHANGE	REV	REFERENCE	DRAWN	NAME	
					U00JLH3	IRAQI BUS ELECTRICAL CIRCUIT DIAGRAMS	
					RELEASE NO.	DATE	PART NO. SHEET
					59419M	10SEP04	AE08-55712 06

Figure 2 Circuit Number Identification Chart (Cont.)

1.3. CIRCUIT NUMBER IDENTIFICATION CHART, P. 7

INTERNATIONAL TRUCK AND ENGINE CORPORATION				ELECTRICAL CIRCUIT DIAGRAM			
THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF THE INTERNATIONAL TRUCK AND ENGINE CORPORATION.				CHAPTER 1			
				INTERNATIONAL CIRCUIT NUMBER IDENTIFICATION AND LOCATION (CONT.)			
CIRCUIT NUMBER AND IDENTIFICATIONS (CONT.)							
CIRCUIT NUMBER	COLOR	DESCRIPTION					
33	TN	ENGINE OIL LEVEL					
34	TN	COOLANT LEVEL					
35	TN	ENGINE OIL PRESSURE					
36	TN	FUEL LEVEL					
37	TN	FUEL PUMP					
38							
39	GY	AIR DRYER HEATER					
40	GY	LOW AIR PRESSURE WARNING					
41	TN	AIR TEMPERATURE					
42	GY	FRONT AXLE ENGAGED					
43	GY	POWER DIVIDER LOCK (PDL) WARNING					
44	GY	PARK BRAKE WARNING					
45	LTGN	ANTI - THEFT WARNING					
46							
47	GY	SPEEDOMETER					
48	GY	TACHOMETER					
49	GY	DIFFERENTIAL LOCK WARNING					
50	YL	LIGHT SWITCH FEED					
51	YL	DIMMER SWITCH FEED					
52	YL	HEADLIGHT HI - BEAM					
53	YL	HEADLIGHT LO - BEAM					
54	BN	PARKING/MARKER LIGHTS					
55	OR	TURN SIGNAL - FEED					
56	OR	TURN SIGNAL LIGHTS - LEFT					
	YL	TURN SIGNAL LIGHTS - LEFT (BODY BUILDER CONNECTION)					
57	OR	TURN SIGNAL LIGHTS - RIGHT					
	LTGN	TURN SIGNAL LIGHTS - RIGHT (BODY BUILDER CONNECTION)					
CHK	DATE	CHANGED BY - LATEST CHANGE	REV	REFERENCE	DRAWN	NAME	
					U00JLH3	IRAQI BUS ELECTRICAL CIRCUIT DIAGRAMS	
					RELEASE NO.	DATE	PART NO.
					59419M	10SEP04	AE08-55712
					SHEET		
					07		

Figure 3 Circuit Number Identification Chart (Cont.)

1.4. CIRCUIT NUMBER IDENTIFICATION CHART, P. 8

INTERNATIONAL TRUCK AND ENGINE CORPORATION

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ELECTRICAL CIRCUIT DIAGRAM

CHAPTER 1

INTERNATIONAL CIRCUIT NUMBER IDENTIFICATION AND LOCATION (CONT.)

CIRCUIT NUMBER AND IDENTIFICATIONS (CONT.)

CIRCUIT NUMBER	COLOR	DESCRIPTION
58	BN	CLEARANCE/IDENTIFICATION LIGHTS
59	GY	SOLENOID
60	OR	HAZARD LIGHTS
61	GY	AIR SUSPENSION
62	DKBL	PANEL LIGHTS
63	DKBL	COURTESY/DOME LIGHTS
64	YL	FOG/DRIVING LIGHTS
65	OR	CAB REAR FLOOD LIGHT
66	YL	DAYTIME RUNNING LIGHTS
67		
68	BN	TAIL LIGHTS
69	BN	LICENSE PLATE LIGHT
70	OR RD	STOP LIGHTS STOP LIGHTS (BODY BUILDER CONNECTION)
71	OR LTBL	BACK - UP LIGHTS BACK - UP LIGHTS (BODY BUILDER CONNECTION)
72	OR	TRAILER AUXILIARY FEED - BATTERY
73		
74	LTGN	HEATER RECIRC MOTOR
75	LTGN	HEATER BLOWER MOTOR
76	LTGN	AUXILIARY FAN
77	LTGN	AIR CONDITIONER
78	LTGN	MIRRORS - HEATED; MOTORIZED
79	GY	SEAT BELTS
80	BK	SLEEPER BOX RELAY - FEED
81	LTGN	POWER DOOR LOCKS

CHK	DATE	CHANGED BY - LATEST CHANGE	REV	REFERENCE	DRAWN	NAME	
					U00JLH3	IRAQI BUS ELECTRICAL CIRCUIT DIAGRAMS	
					RELEASE NO.	DATE	PART NO. SHEET
					59419M	10SEP04	AE08-55712 08

Figure 4 Circuit Number Identification Chart (Cont.)

1.5. CIRCUIT NUMBER IDENTIFICATION CHART, P. 9

INTERNATIONAL TRUCK AND ENGINE CORPORATION <small>THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF THE INTERNATIONAL TRUCK AND ENGINE CORPORATION.</small>				ELECTRICAL CIRCUIT DIAGRAM CHAPTER 1 INTERNATIONAL CIRCUIT NUMBER IDENTIFICATION AND LOCATION (CONT.)			
CIRCUIT NUMBER AND IDENTIFICATIONS (CONT.)							
CIRCUIT NUMBER	COLOR	DESCRIPTION					
82	GY	WINDSHIELD WIPER					
83	LTGN	POWER WINDOWS					
84	LTGN						
85	GY	HORN					
86	LTGN	RADIO - ENTERTAINMENT					
87	GY	WINDSHIELD WASHER					
88	LTGN	CLOCK/HOURMETER					
89	VT	AIR BAG					
90	GY	HYDRAULIC BRAKE PUMP					
91	VT	INTERCOMMUNICATIONS					
92	TN	TRANSMISSION CONTROLS - ELECTRONIC					
93	TN	AXLE SHIFT CONTROL					
94	GY	ANTILOCK BRAKE SYSTEM					
95	TN	EXHAUST EMISSION					
96	YL	SNOW PLOW LIGHTS					
97	VT	ENGINE CONTROLS - ELECTRONIC					
98	BK	DATALINK AND DIAGNOSTICS					
99	VT	ACCELERATOR POSITION SENSOR (APS)					
100		AIR HORN (ELECTRIC SOLENOID ACTUATED)					
101		BRAKE APPLICATION AIR					
102		FLASH TO PASS					

CHK	DATE	CHANGED BY - LATEST CHANGE	REV	REFERENCE	DRAWN	NAME	
					U00JLH3	IRAQI BUS ELECTRICAL CIRCUIT DIAGRAMS	
					RELEASE NO.	DATE	PART NO.
					59419M	10SEP04	AE08-55712
						SHEET	09

Figure 5 Circuit Number Identification Chart (Cont.)

1.6. CIRCUIT DIAGRAM INSTRUCTIONS, P. 10

INTERNATIONAL TRUCK AND ENGINE CORPORATION

ELECTRICAL CIRCUIT DIAGRAM

CHAPTER 1

THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF THE INTERNATIONAL TRUCK AND ENGINE CORPORATION.

CIRCUIT DIAGRAM INSTRUCTIONS

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

B - MULTIPLE CONNECTIONS ARE DISPLAYED ON SCHEMATIC AS SHOWN. REFER TO CONNECTOR COMPOSITE WITH APPLICABLE NUMBER FOR MORE COMPLETE INFORMATION.

SWITCH: MANUAL/MECHANICAL

RELAY - SUPPRESSED

INDICATES CASE MAGNETIC SUPPRESSED

SINGLE IN-LINE CONNECTORS DISPLAYED AS SHOWN WITH OR WITHOUT CONNECTOR NUMBER.

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

PRINTED CIRCUIT IN INSTRUMENT CLUSTER

VOLTMETER

LOCATION/CIRCUIT NUMBER WIRE GAUGE/WIRE COLOR

BUSS IN FUSE/CIRCUIT BREAKER CONNECTOR

LOCATION IN FUSE/CIRCUIT BREAKER CONNECTION

FUSE RATING

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

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

WIRE CONNECTION

A12A

A12

KEY SWITCH

INTERNAL CONNECTION

A12B

WIRE CONNECTION

BUSSED CONTACT

F18

F19

20A

CONTACT

ETHER SWITCH

PIGTAIL

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 13 IGNITION, IS IDENTIFIED PER EXAMPLE).

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

GROUND CIRCUITS ARE DESCRIBED THIS:

11-G

11-GA

11-GB

COMMON GROUND CIRCUIT NUMBER

SUFFIX

A13-G

A13-GA

A13-GB

INDIVIDUAL GROUND CIRCUIT NUMBER

LOCATION

SUFFIX

CHK	DATE	CHANGED BY - LATEST CHANGE	REV	REFERENCE	DRAWN	NAME	RELEASE NO.	DATE	PART NO.	SHEET
					U00JLH3	IRAQI BUS ELECTRICAL CIRCUIT DIAGRAMS				

Figure 6 Circuit Diagram Instructions

1.7. CIRCUIT NUMBER IDENTIFICATION AND LOCATION, P. 11

INTERNATIONAL TRUCK AND ENGINE CORPORATION

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ELECTRICAL CIRCUIT DIAGRAM

INTERNATIONAL CIRCUIT NUMBER IDENTIFICATION AND LOCATION

CHAPTER 1

G - ABBREVIATIONS: COLOR, NOUN AND ENGINE

COLOR ABBREVIATION

AQ - AQUA
BK - BLACK
BL - BLUE
BN - BROWN
DKBL - DARK BLUE
DKGN - DARK GREEN
GD - GOLD
GY - GRAY
GN - GREEN
LTBL - LIGHT BLUE

LTGN - LIGHT GREEN
OR - ORANGE
PK - PINK
PL - PURPLE
RD - RED
SIL - SILVER
TN - TAN
VT - VIOLET
WH - WHITE
YL - YELLOW

NOUN ABBREVIATION

A
ACC
AC
AUX
AWG
B
BAT
CONN
DRL
ENG
FWD
GA

ACCESSORY
- AIR CONDITIONER
- AUXILIARY
- AMERICAN WIRE GAUGE
BATTERY
- CONNECTION OR CONNECTOR
- DAYTIME RUNNING LIGHTS
- ENGINE
- FORWARD
- GAUGE

G
GND
I
IGN
IND
L
LT
W/O
OPT
R
S
THERMO
W/

GROUND
IGNITION
- INDICATOR
- LEFT
- LIGHT
- WITHOUT
- OPTIONAL
- RIGHT
- START OR SENDER
- THERMOSTAT
- WITH


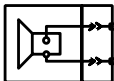



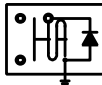












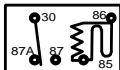


ENGINE ABBREVIATION

I6 - MFG (INTERNATIONAL) NGD I6 DT466 & DT/HT530 ELECTRONIC ENGINE CONTROL

CHK	DATE	CHANGED BY - LATEST CHANGE	REV	REFERENCE	DRAWN	NAME				
					U00JLH3	IRAQI BUS ELECTRICAL CIRCUIT DIAGRAMS				
					RELEASE NO.	DATE	PART NO.	SHEET		
					59419M	10SEP04	AE08-55712	11		

Figure 7 Circuit Number Identification and Location

1.8. SCHEMATIC SYMBOL CHART, P. 12

INTERNATIONAL TRUCK AND ENGINE CORPORATION				ELECTRICAL CIRCUIT DIAGRAM					
THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF THE INTERNATIONAL TRUCK AND ENGINE CORPORATION.				CHAPTER 1					
				SCHEMATIC SYMBOL CHART					
SYMBOL		DESCRIPTION		DESCRIPTION		SYMBOL			
		MALE/FEMALE IN-LINE CONNECTION		HORN					
		FEMALE TERMINAL		SPEAKER - SOUND SYSTEM					
		MALE TERMINAL		MAGNETIC SWITCH					
		GROUND		LIGHT - SINGLE FILMENT					
		FUSE		LIGHT - DOUBLE FILAMENT					
		LIGHT EMITTING DIODE		SENDER - OIL, WATER, FUEL, TEMPERATURE					
		RESISTOR							
		SWITCH CONTACT, NORMALLY OPEN							
		SWITCH CONTACT, NORMALLY CLOSED							
		SPLICE							
		SWITCH-PRESSURE							
		SWITCH-MANUAL/MECHANICAL							
		RELAY-SUPPRESSED							
		SOLENOID - GENERAL USAGE							
		MOTOR - ELECTRIC							

CHK	DATE	CHANGED BY - LATEST CHANGE	REV	REFERENCE	DRAWN	NAME	
					U00JLH3	IRAQI BUS ELECTRICAL CIRCUIT DIAGRAMS	
					RELEASE NO.	DATE	PART NO. SHEET
					59419M	10SEP04	AE08-55712 12

Figure 8 Schematic Symbol Chart

1.9. CIRCUIT NUMBER IDENTIFICATION AND LOCATION, P. 13

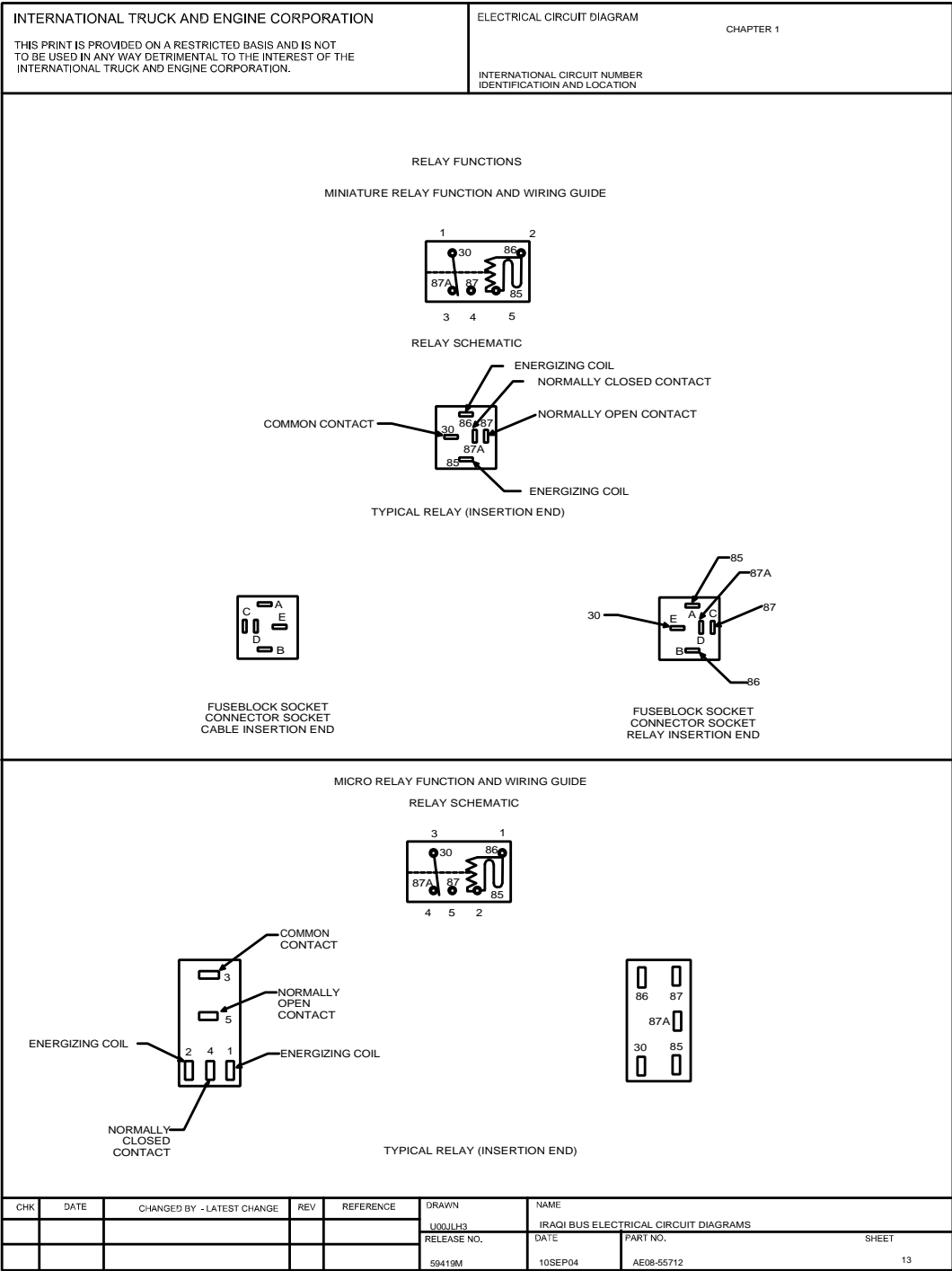


Figure 9 Circuit Number Identification and Location

1.10. LAMP BULB CHART, P. 14

INTERNATIONAL TRUCK AND ENGINE CORPORATION <small>THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF THE INTERNATIONAL TRUCK AND ENGINE CORPORATION.</small>				ELECTRICAL CIRCUIT DIAGRAM CHAPTER 1 LAMP BULB CHART																													
<table style="width: 100%; border: none;"> <thead> <tr> <th style="text-align: left;">BULB APPLICATION</th> <th style="text-align: left;">CANDLE POWER OR WATTS</th> <th style="text-align: left;">BULB TRADE NUMBER</th> </tr> </thead> <tbody> <tr> <td>FOG LIGHTS</td> <td>121 CANDLEPOWER</td> <td>H355</td> </tr> <tr> <td colspan="3">HEAD LIGHTS:</td> </tr> <tr> <td> LOW BEAMS</td> <td>65 WATTS</td> <td>9007</td> </tr> <tr> <td> HIGH BEAMS</td> <td>55 WATTS</td> <td>9007</td> </tr> <tr> <td colspan="3">MISC LIGHTS:</td> </tr> <tr> <td> SIDE MARKER</td> <td>3.8 WATTS</td> <td>194NA</td> </tr> <tr> <td> TURN SIGNAL/MARKER (FENDER)</td> <td>27 / 8 WATTS</td> <td>3157</td> </tr> <tr> <td> TURN SIGNAL & FRONT MARKER LIGHT</td> <td>27 / 8 WATTS</td> <td>3157NA</td> </tr> </tbody> </table>							BULB APPLICATION	CANDLE POWER OR WATTS	BULB TRADE NUMBER	FOG LIGHTS	121 CANDLEPOWER	H355	HEAD LIGHTS:			LOW BEAMS	65 WATTS	9007	HIGH BEAMS	55 WATTS	9007	MISC LIGHTS:			SIDE MARKER	3.8 WATTS	194NA	TURN SIGNAL/MARKER (FENDER)	27 / 8 WATTS	3157	TURN SIGNAL & FRONT MARKER LIGHT	27 / 8 WATTS	3157NA
BULB APPLICATION	CANDLE POWER OR WATTS	BULB TRADE NUMBER																															
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TURN SIGNAL & FRONT MARKER LIGHT	27 / 8 WATTS	3157NA																															
CHK	DATE	CHANGED BY - LATEST CHANGE	REV	REFERENCE	DRAWN	NAME																											
					U00JLH3	IRAQI BUS ELECTRICAL CIRCUIT DIAGRAMS																											
					RELEASE NO.	DATE PART NO. SHEET																											
					59419M	10SEP04 AE08-55712 14																											

Figure 10 Lamp Bulb Chart

2. 12 VOLT POWER DISTRIBUTION AND DATA LINK (CHAPTER 2)

2.1. ACCESSORY, P. 20

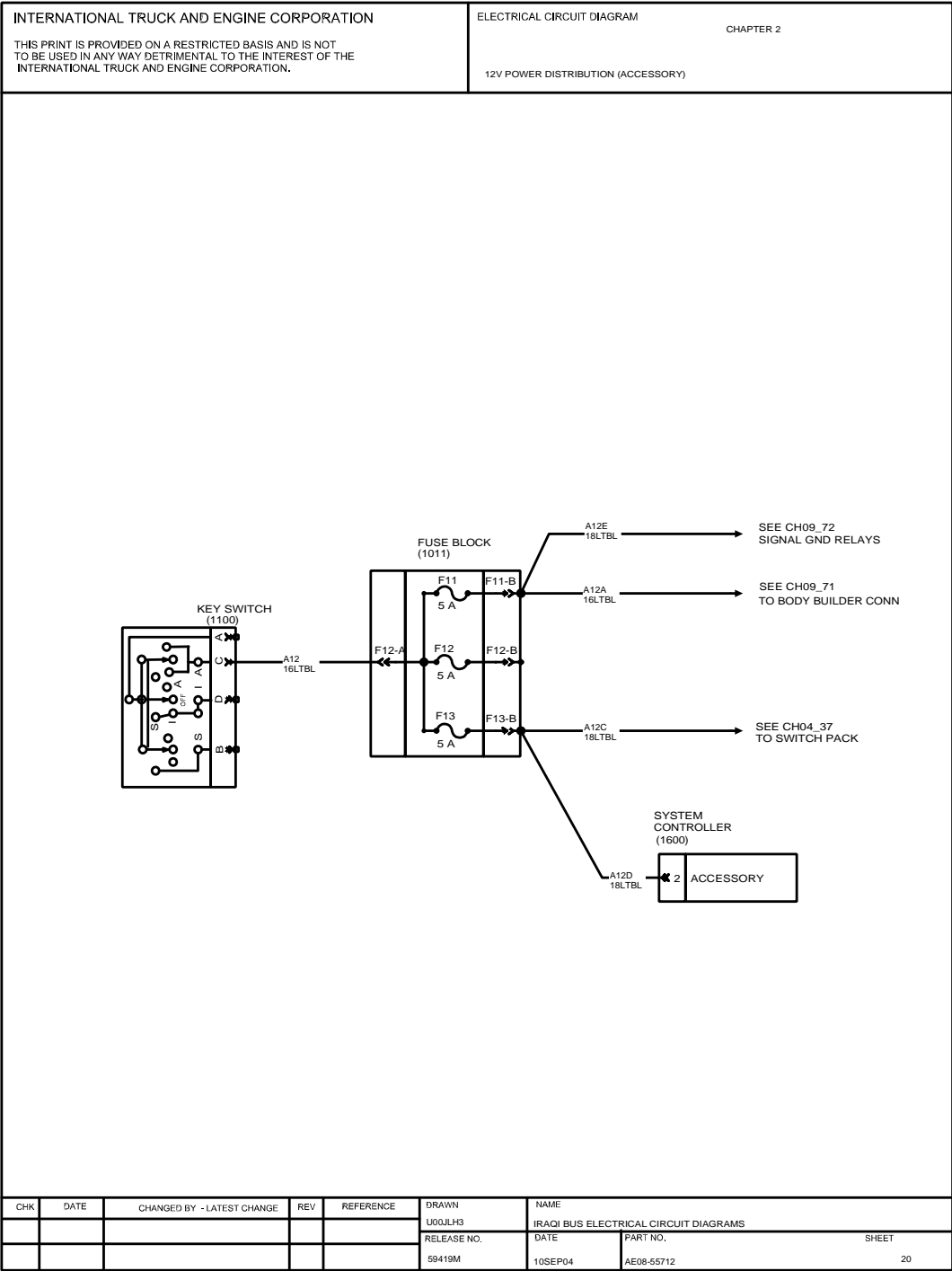


Figure 11 Accessory

2.2. BATTERY, P. 21

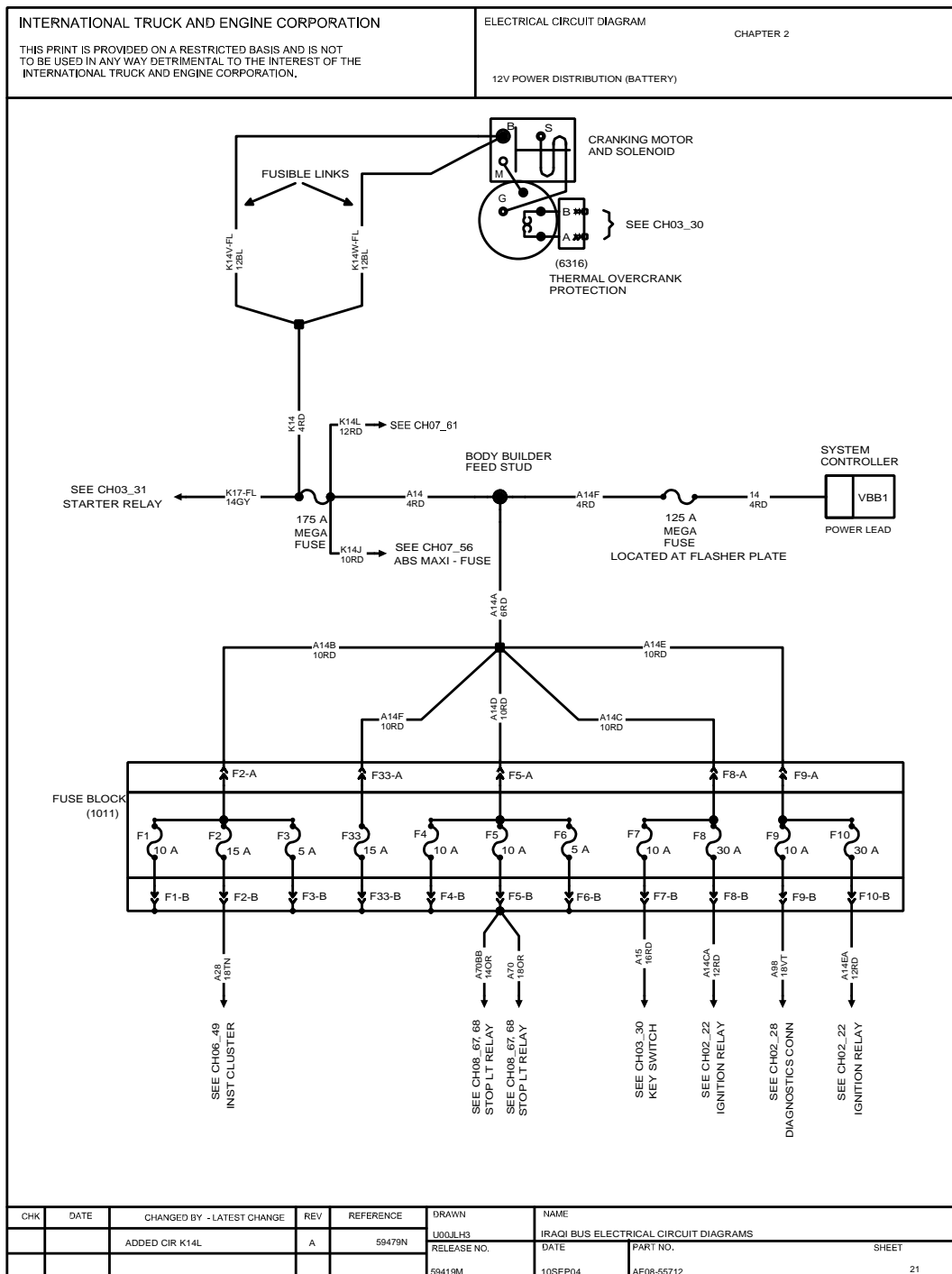


Figure 12 Battery

2.3. IGNITION, P. 22

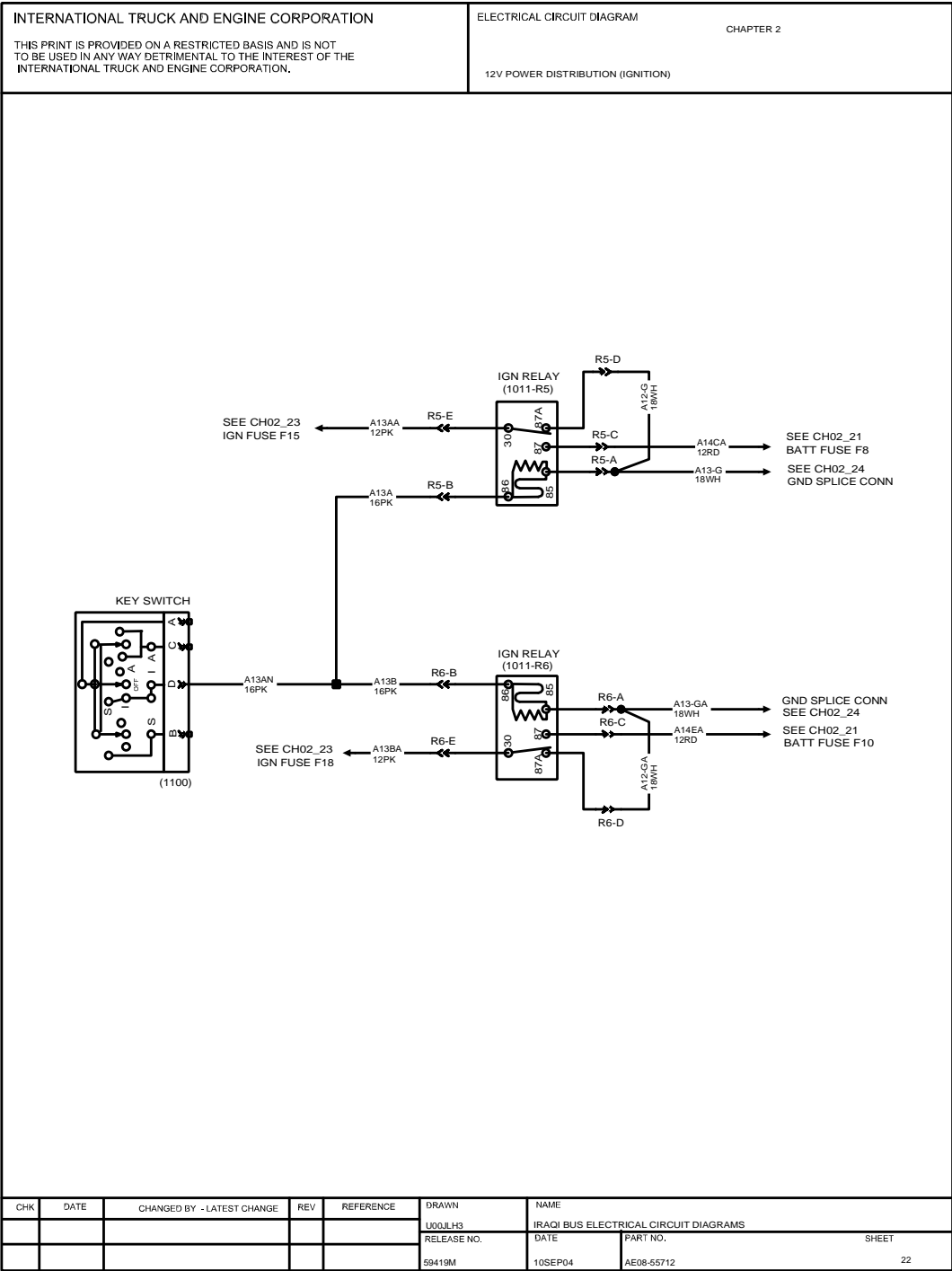


Figure 13 Ignition

2.4. IGNITION, P. 23

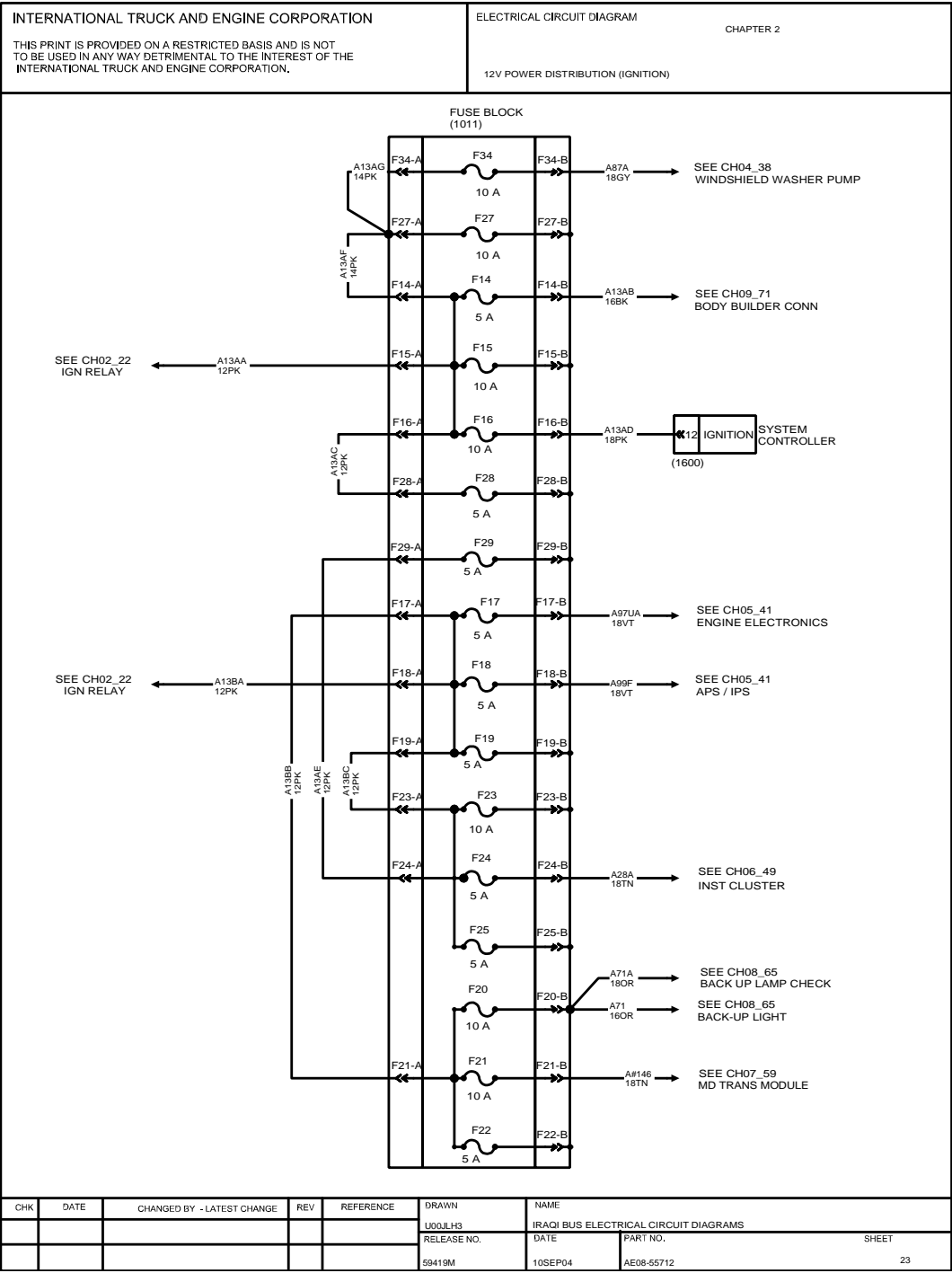


Figure 14 Ignition (Cont.)

2.5. GROUND, P. 24

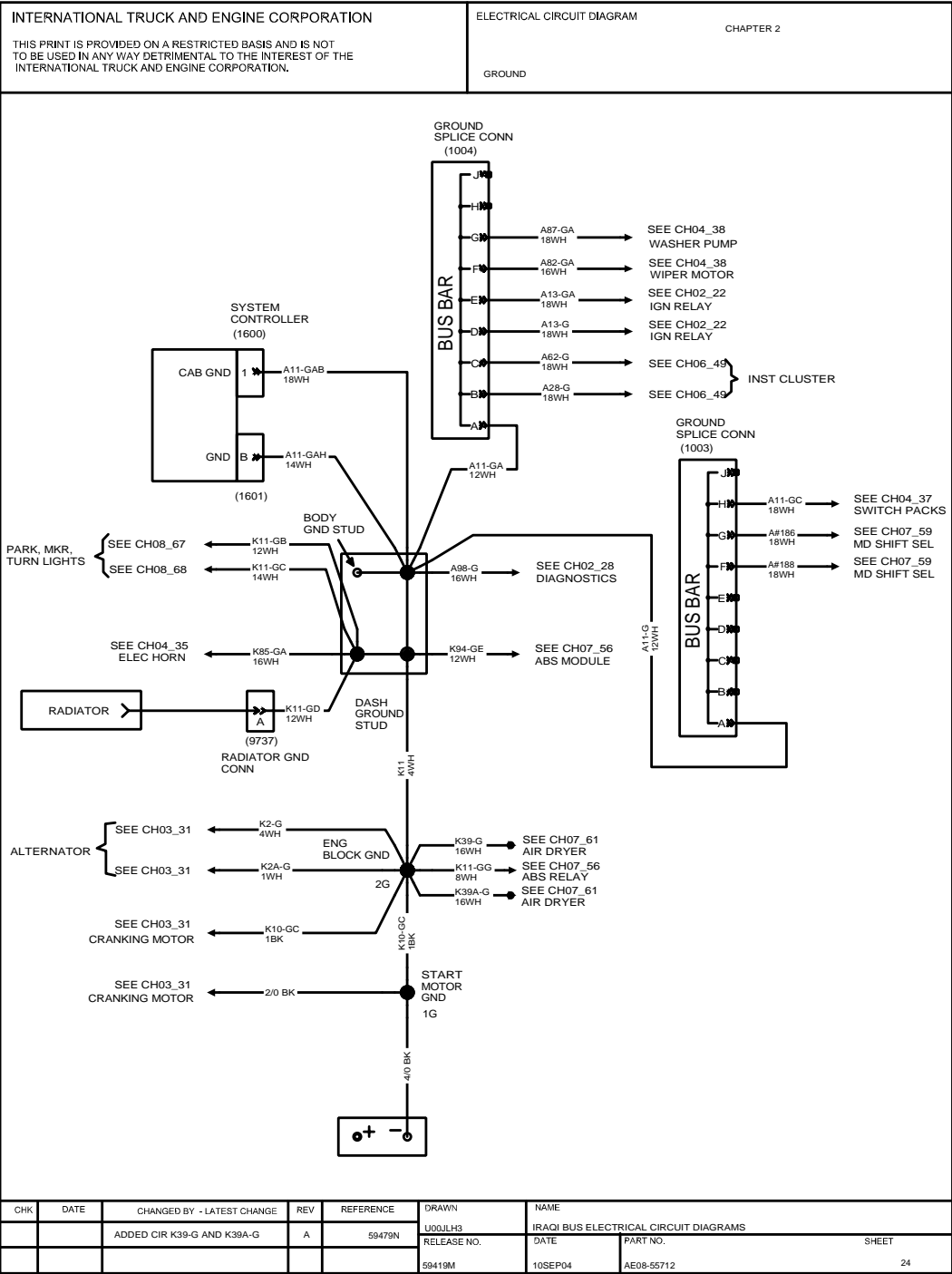


Figure 15 Ground

2.6. DRIVETRAIN J1939 DATA LINK (CAB), P. 25

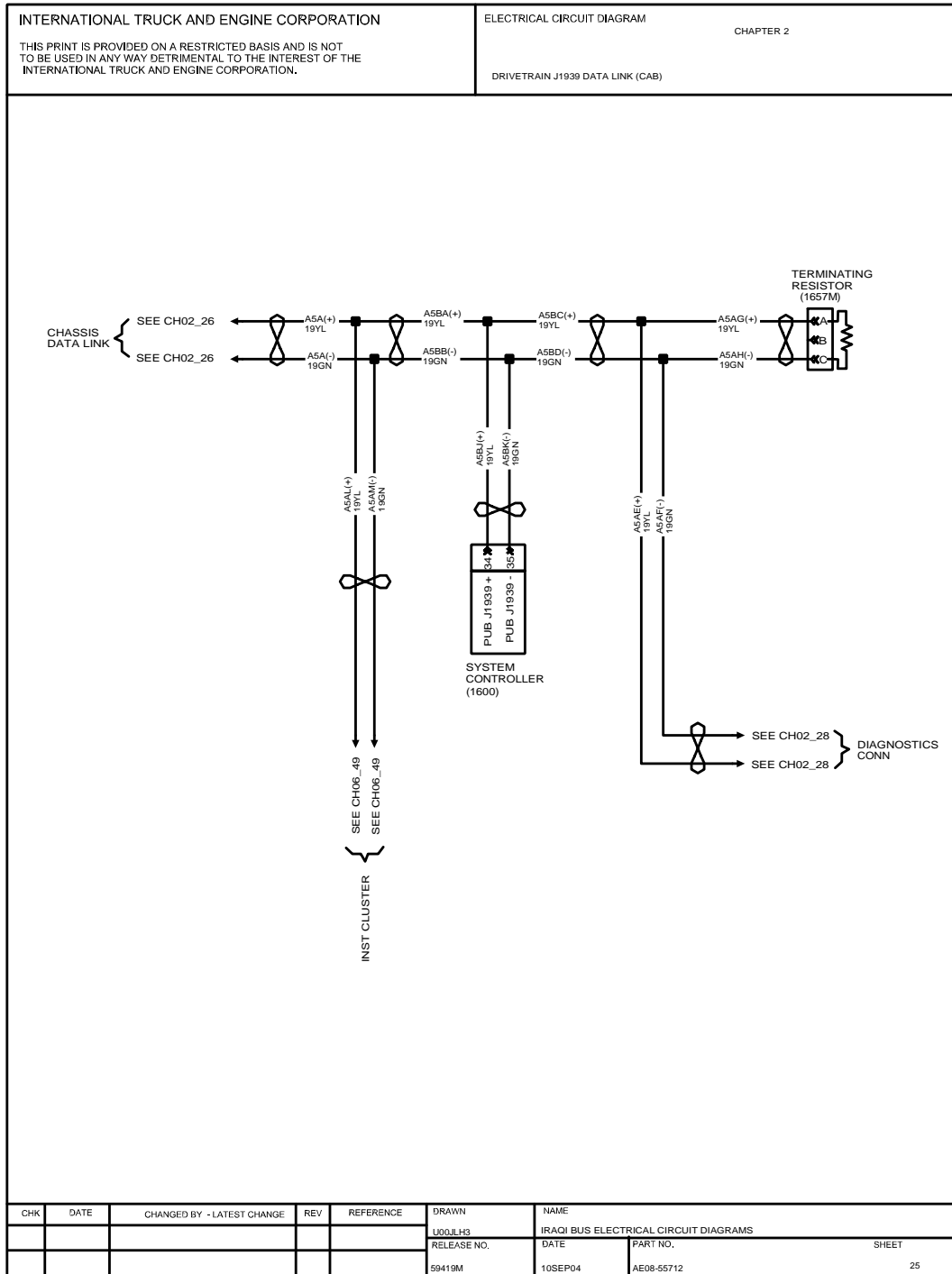


Figure 16 Drivetrain J1939 Data Link (Cab)

2.7. DRIVETRAIN J1939 DATA LINK (CHASSIS), P. 26

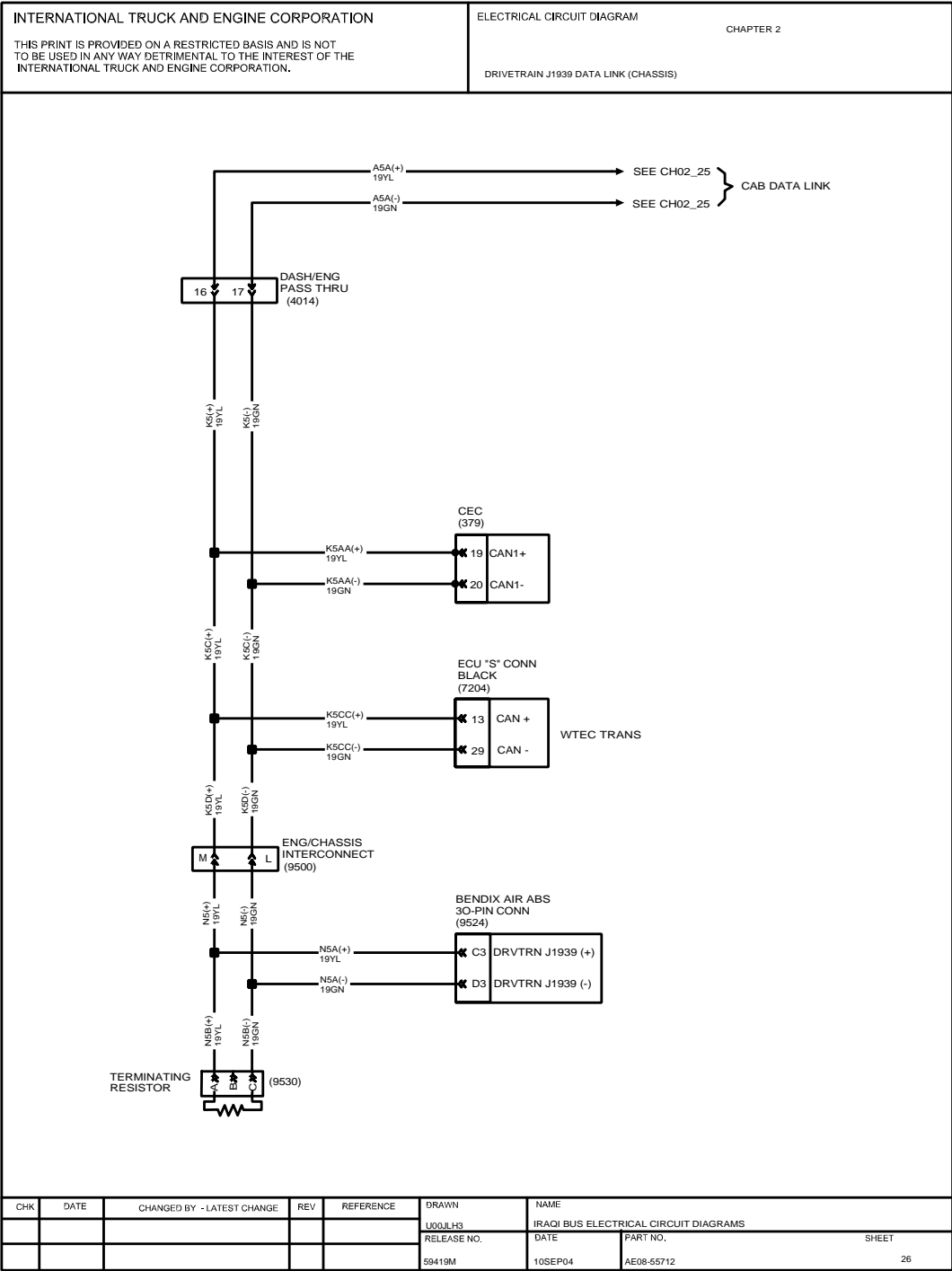


Figure 17 Drivetrain J1939 Data Link (Chassis)

2.8. J1708 DATA LINK DIAGNOSTIC, P. 27

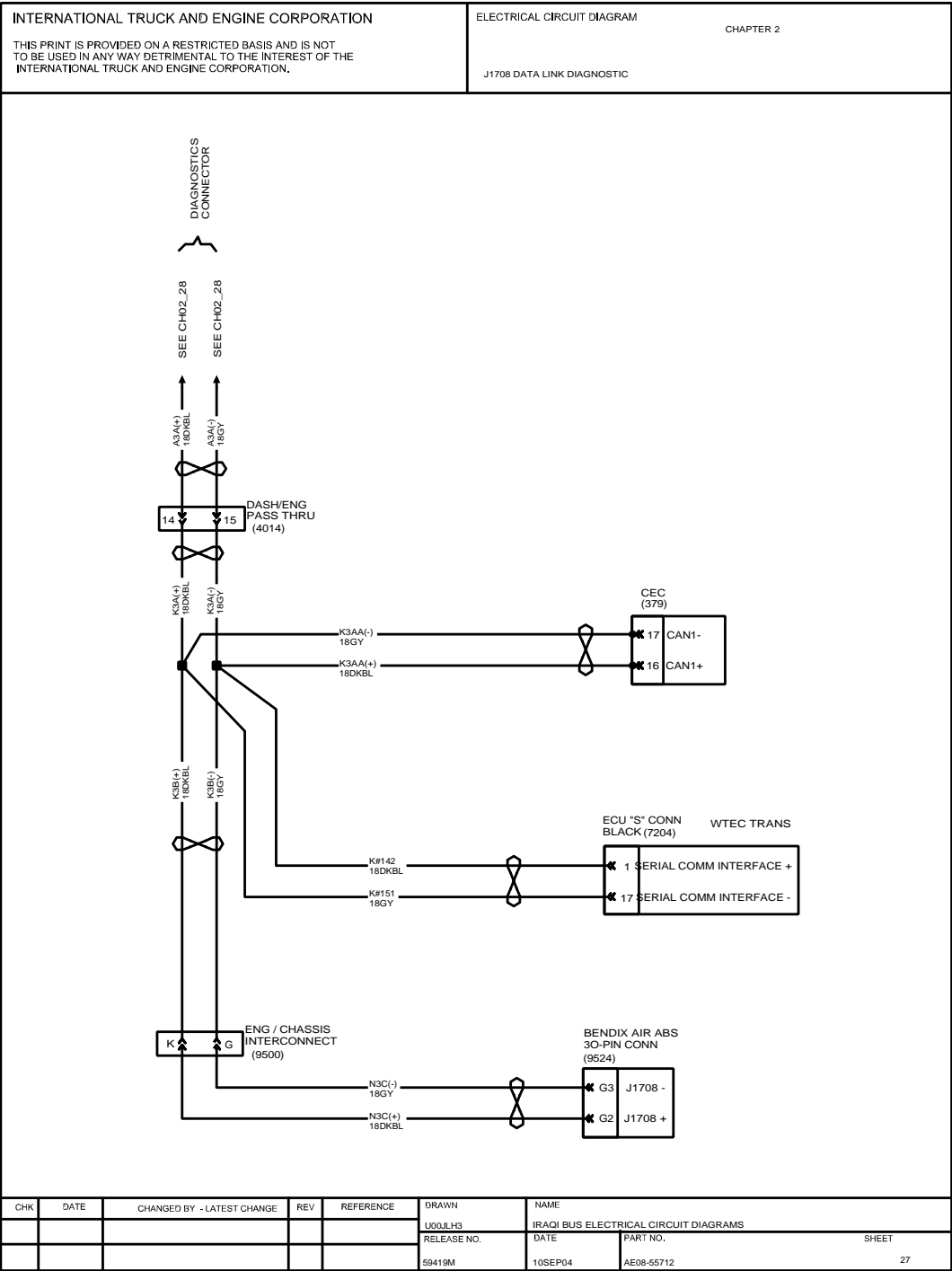


Figure 18 J1708 Data Link Diagnostic

2.9. DIAGNOSTICS AND PROGRAMMABLE CONNECTOR, P. 28

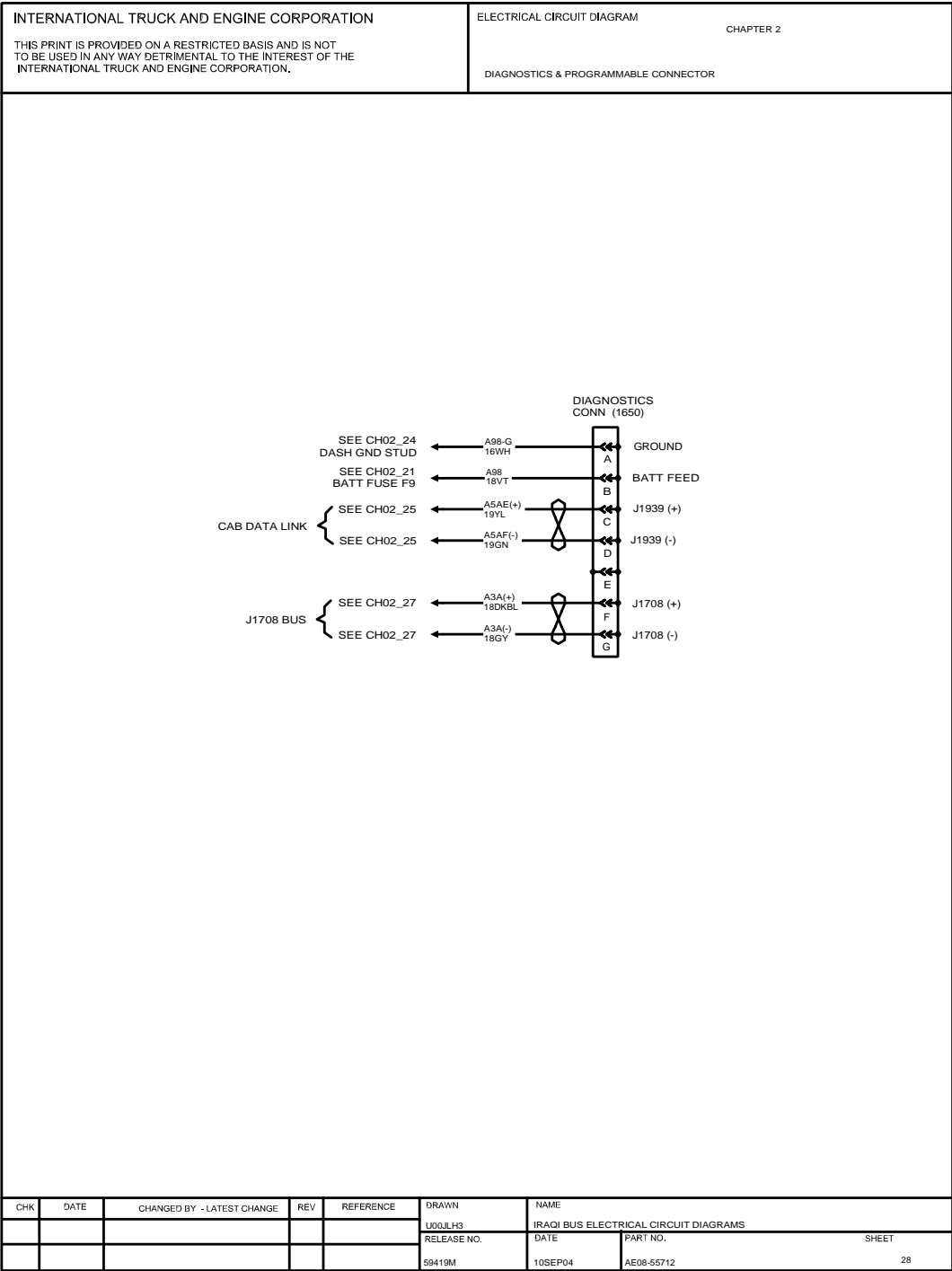


Figure 19 Diagnostics and Programmable Connector

3. 12V CHARGING AND CRANKING SYSTEM (CHAPTER 3)

3.1. KEY SWITCH START CIRCUIT, P. 30

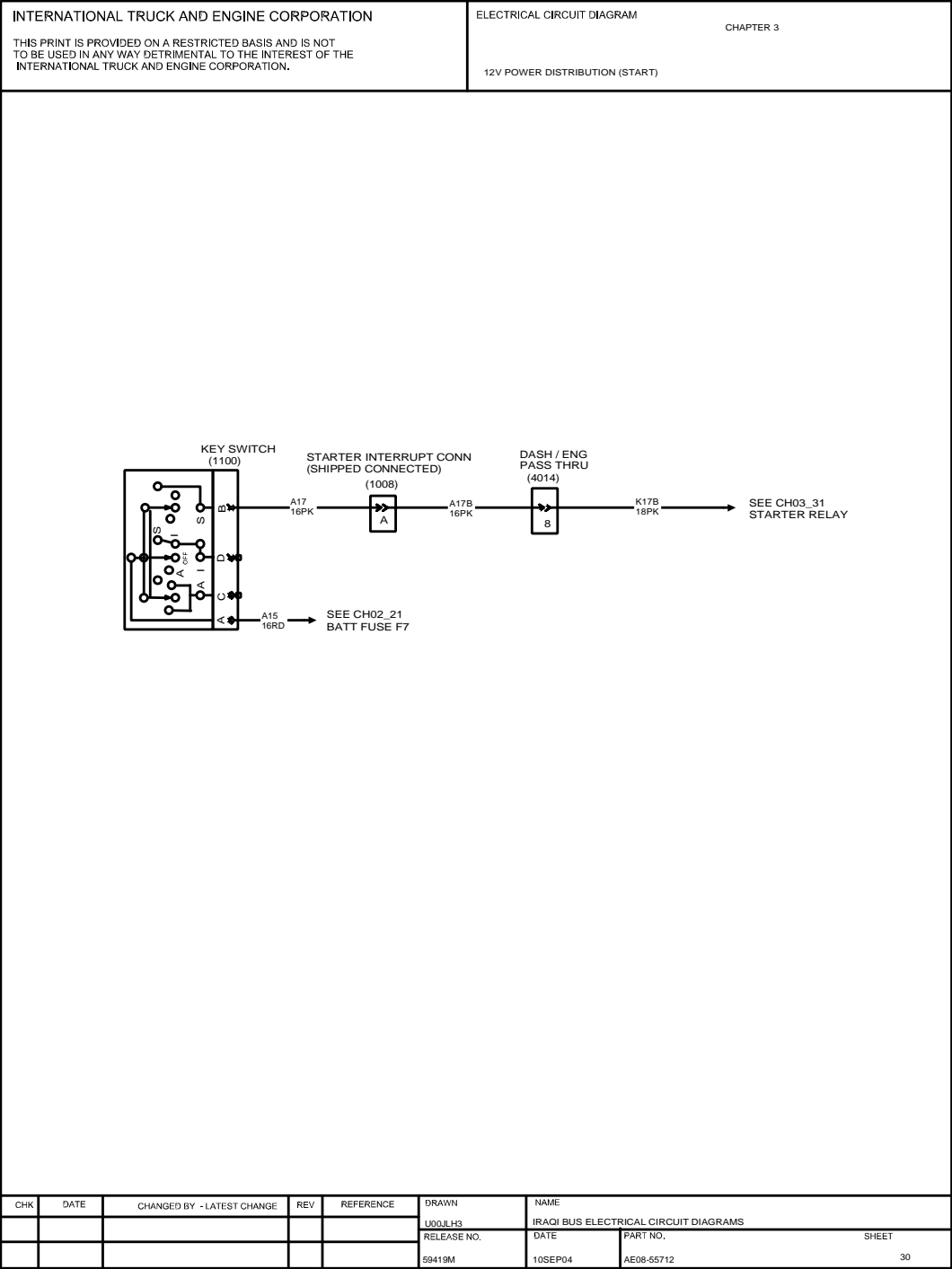


Figure 20 Key Switch Start Circuit

3.2. CHARGING AND CRANKING (V8 AND I6 ENGINES), P. 31

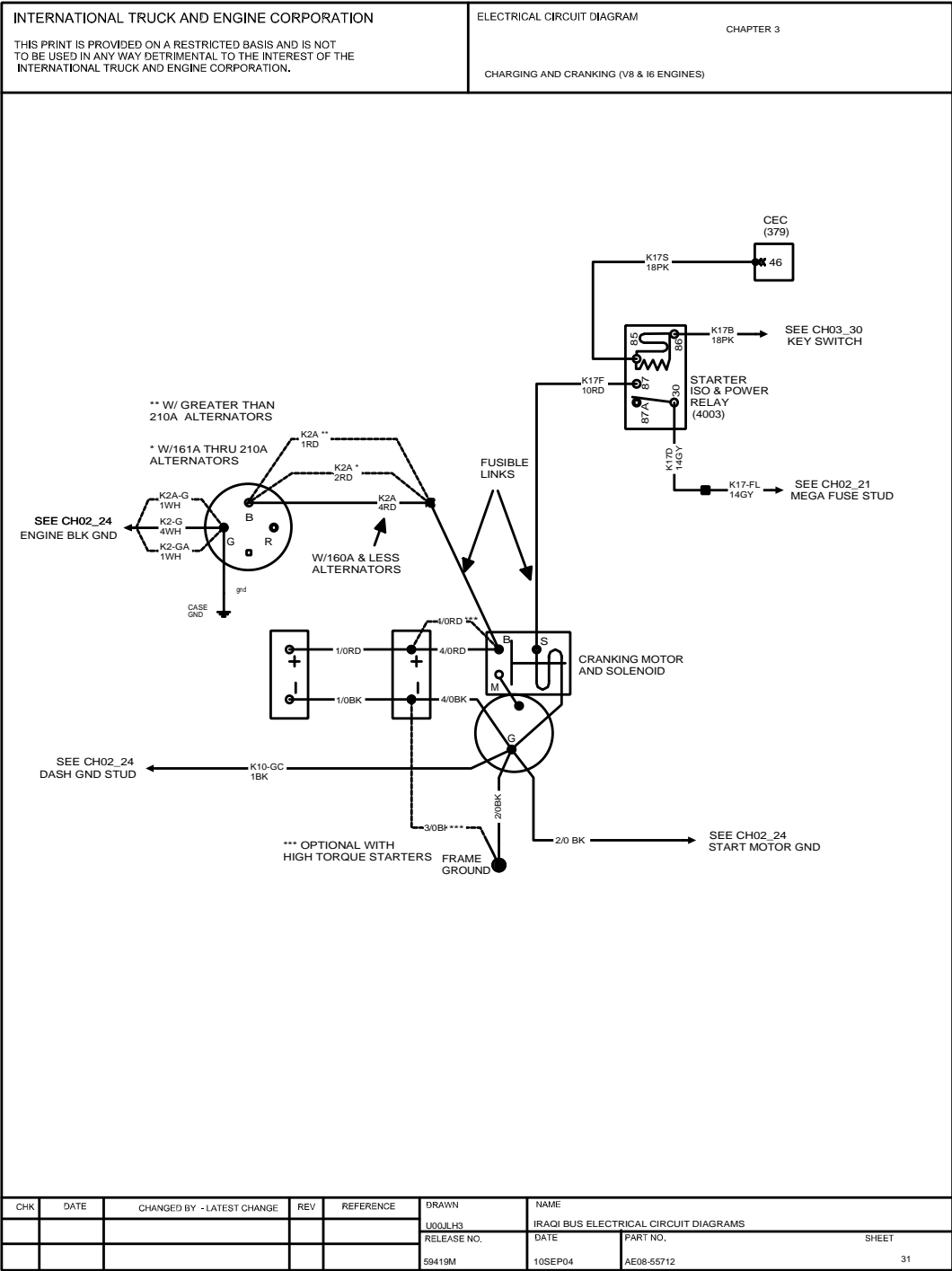


Figure 21 Charging and Cranking (V8 and I6 Engines)

4. CAB ACCESSORIES (CHAPTER 4)

4.1. HORN, DUAL ELECTRIC, P. 35

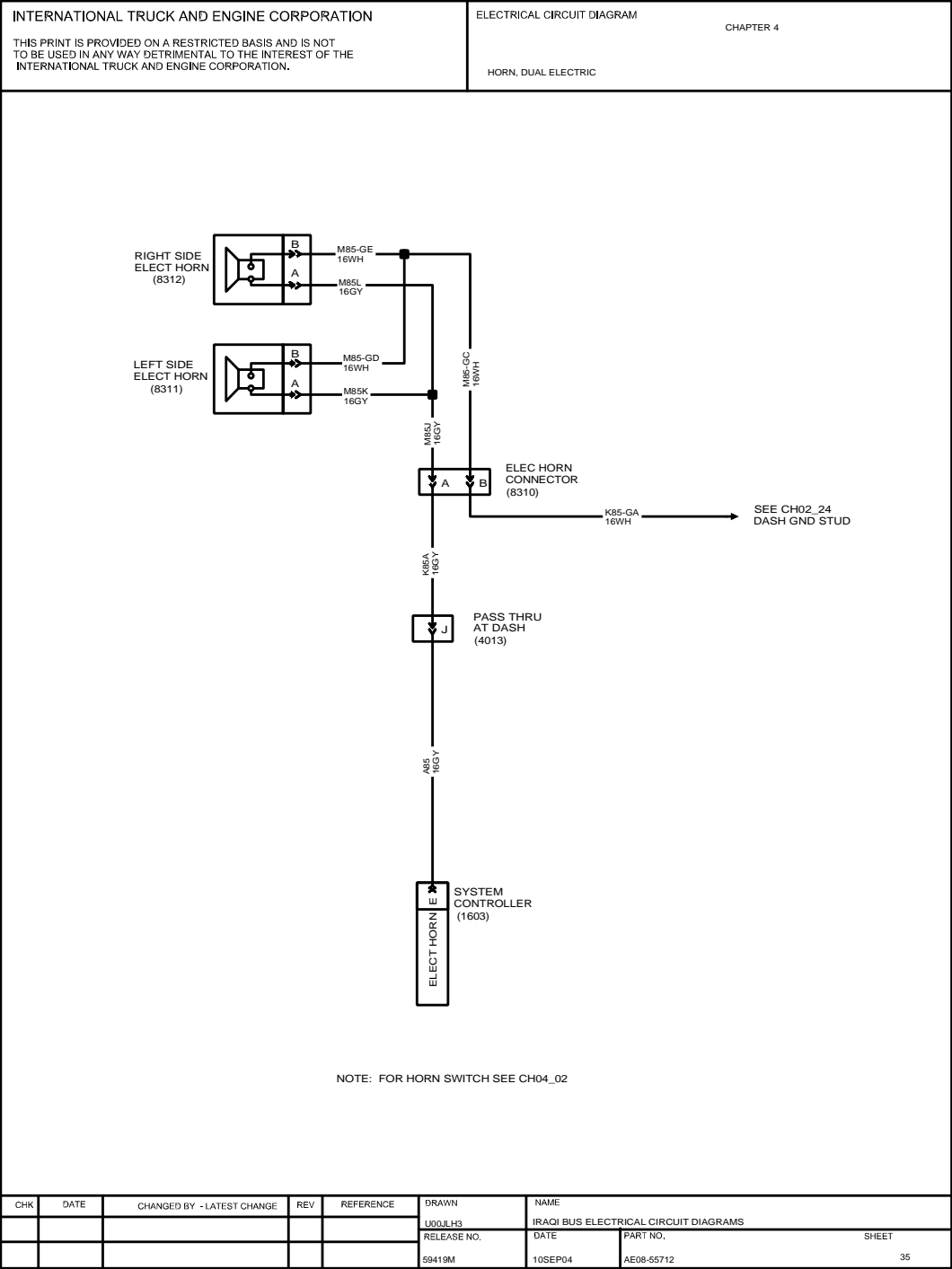


Figure 22 Horn, Dual Electric

4.2. STEERING WHEEL SWITCHES, P. 36

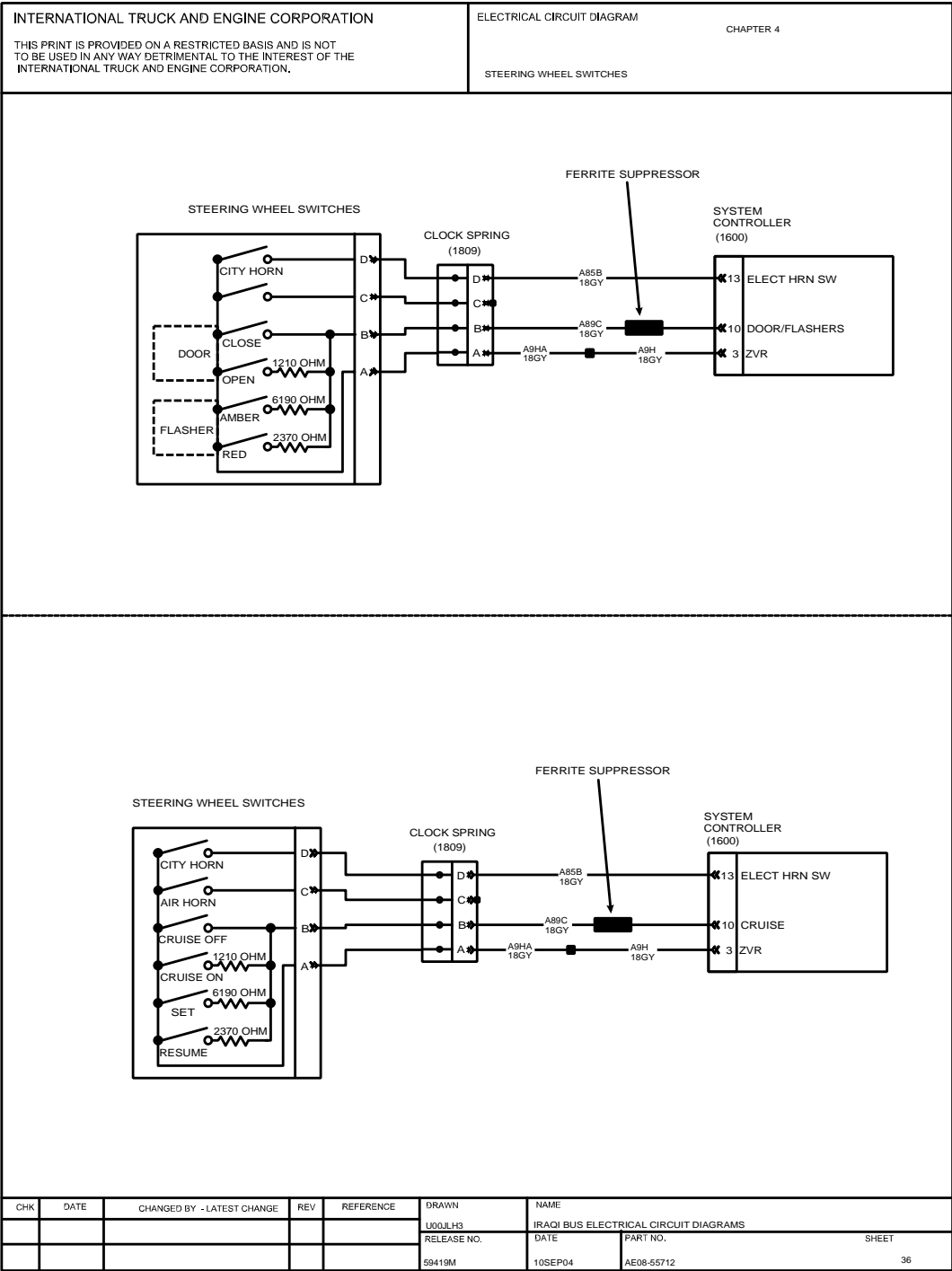


Figure 23 Steering Wheel Switches

4.3. SWITCH PACKS, P. 37

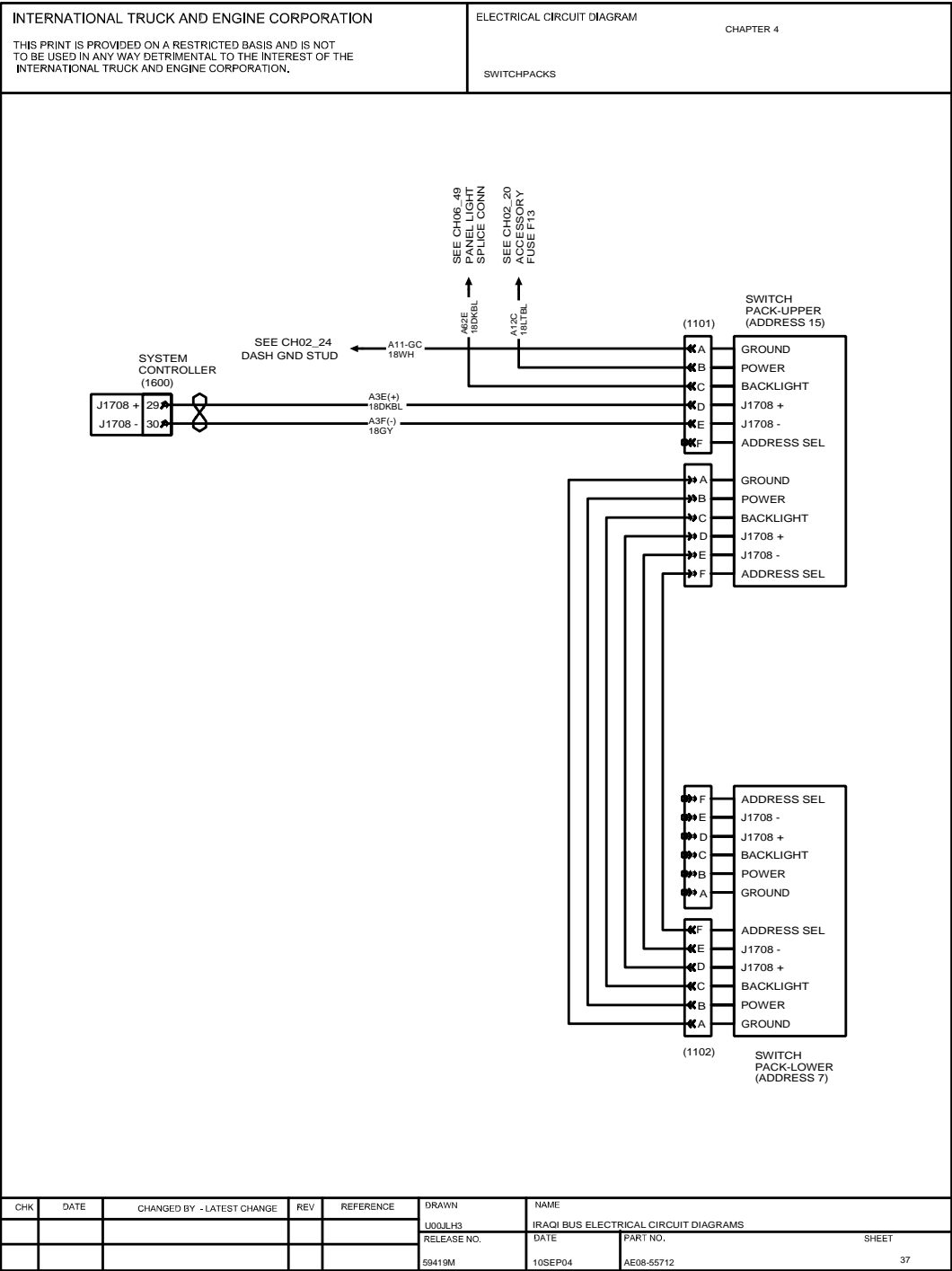


Figure 24 Switch Packs

4.4. WINDSHIELD WIPER AND WASHER SYSTEMS, P. 38

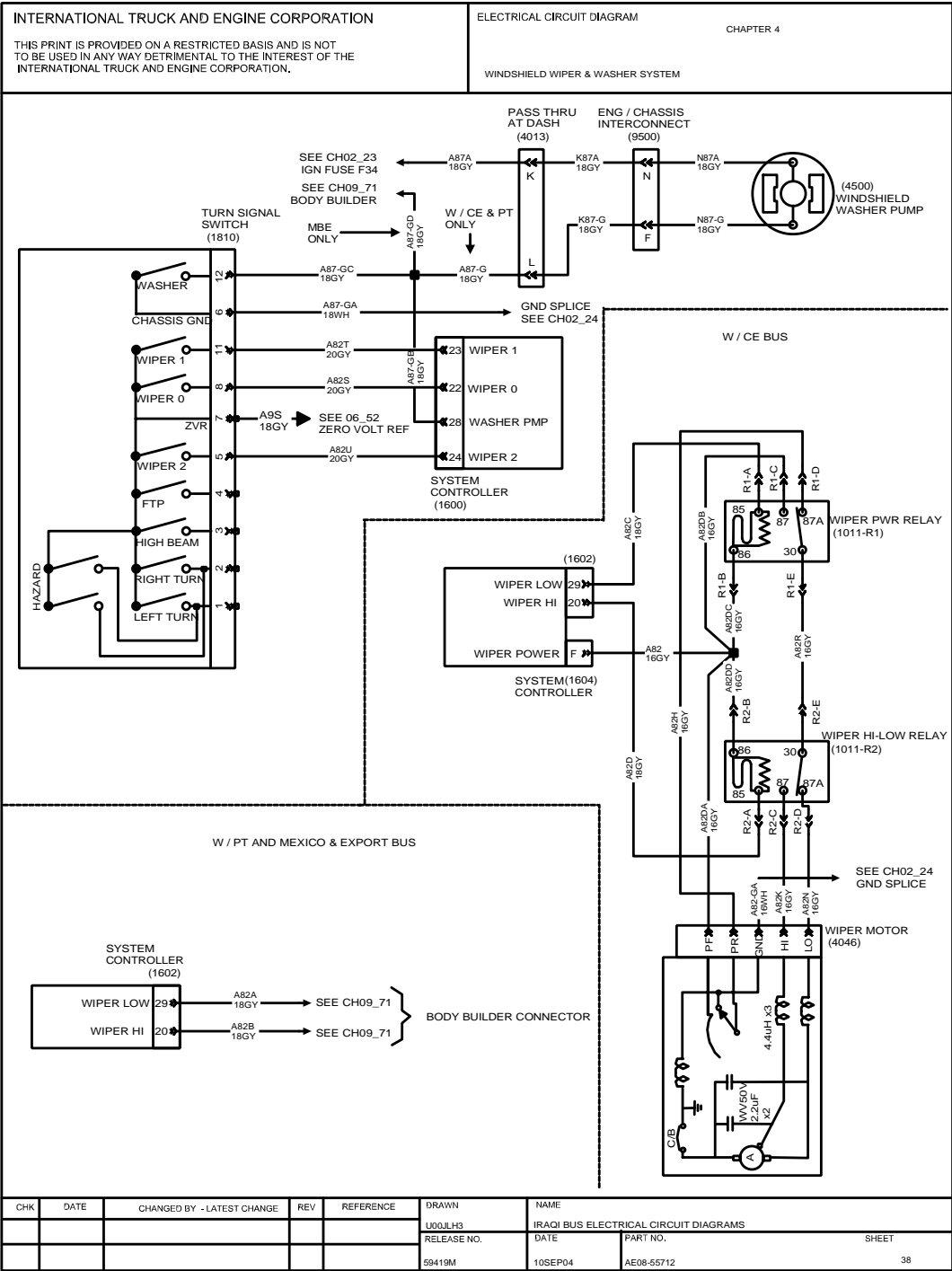


Figure 25 Windshield Wiper and Washer Systems

5. ENGINE ELECTRONICS (CHAPTER 5)

5.1. ELECTRONIC ENGINE CONTROLS — I6 ENGINE, P. 41

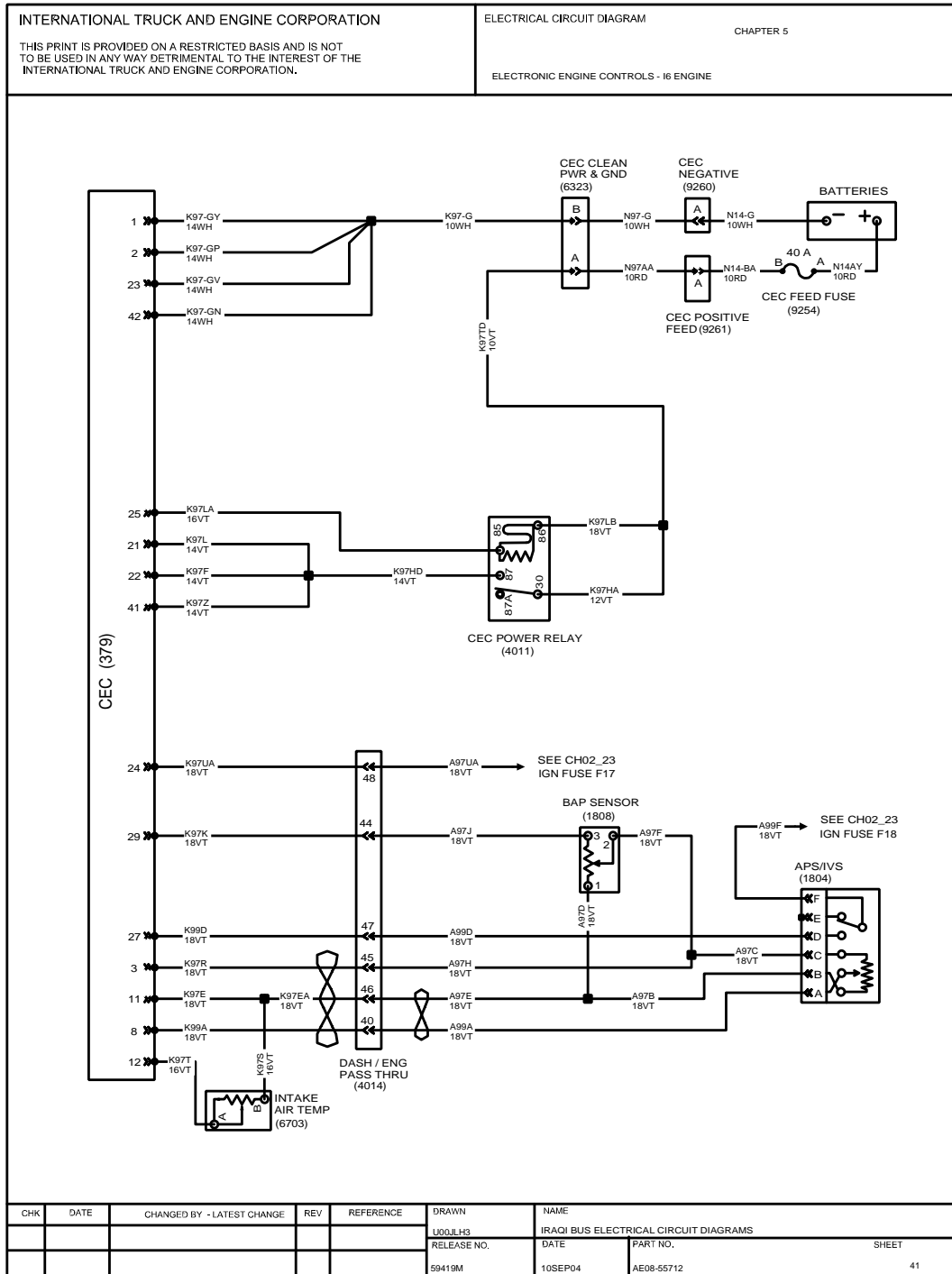


Figure 26 Electronic Engine Controls — I6 Engine

5.2. ELECTRONIC ENGINE CONTROLS — I6 HEUI ENGINES, EXHAUST BRAKE, P. 42

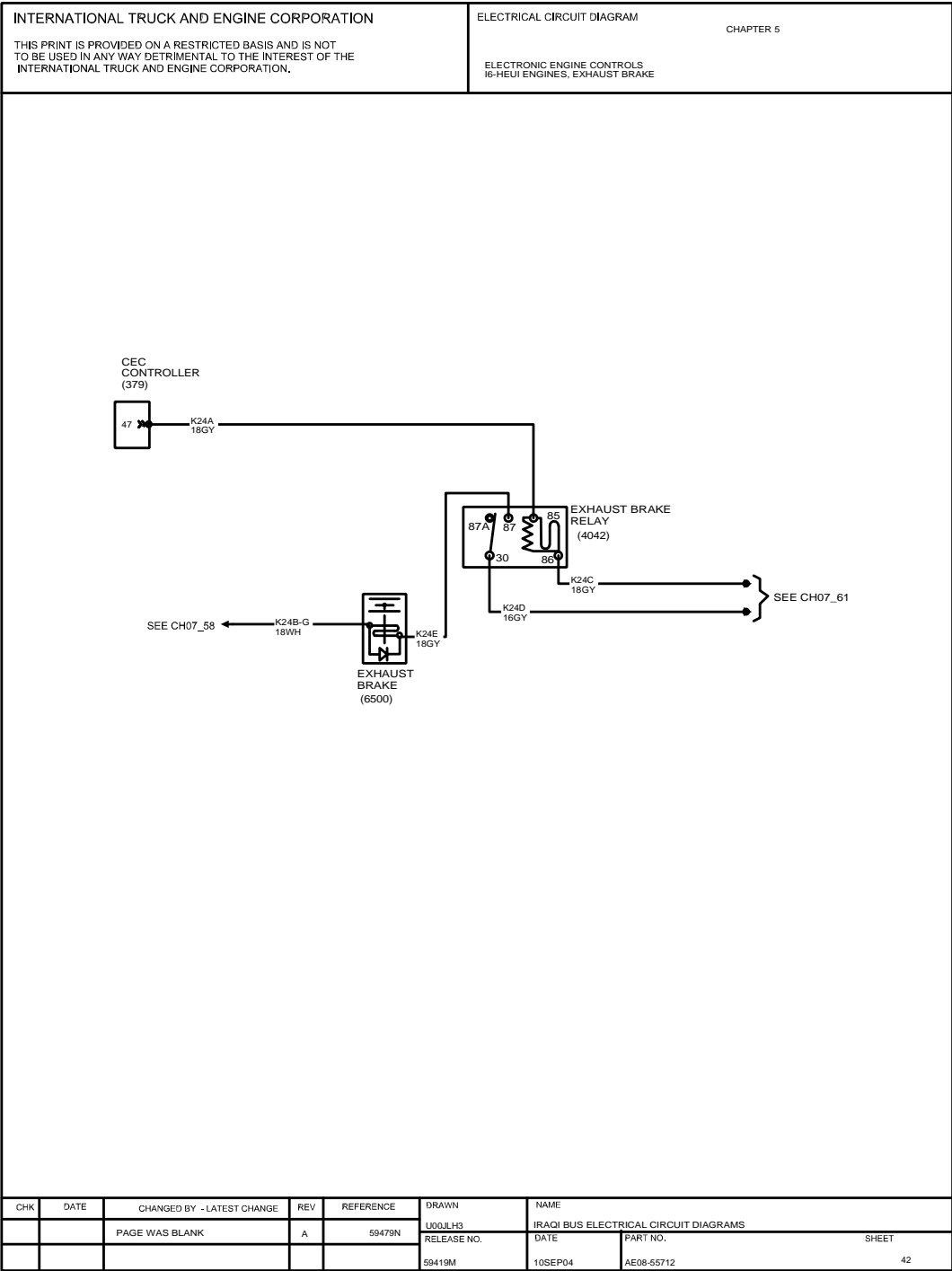


Figure 27 Electronic Engine Controls — I6 HEUI Engines, Exhaust Brake

6. GAUGES AND WARNING LIGHTS (CHAPTER 6)

6.1. IP GAUGES, P. 45

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ELECTRICAL CIRCUIT DIAGRAM

IP/GAUGES

CHAPTER 6

INSTRUMENT PANEL GAUGES			
GAUGE	WARNING LIGHT	SIGNAL PATH	SENSOR LOCATION
RPM (TACH)	NO	ENGINE CTRLR/DRIVE TRAIN J1939/CLUSTER	ENGINE
MPH/KPH (SPD)	NO	ENGINE CTRLR/DRIVE TRAIN J1939/CLUSTER	TRANSMISSION
FUEL	YES	SYSTEM CTRLR/DRIVE TRAIN J1939/CLUSTER	FUEL TANK
VOLT	YES	SYSTEM CTRLR/DRIVE TRAIN J1939/CLUSTER	*****
AIR 1 (PRES)	YES	SYSTEM CTRLR/DRIVE TRAIN J1939/CLUSTER	INSIDE CAB - DASH PNL
AIR 2 (PRES)	YES	SYSTEM CTRLR/DRIVE TRAIN J1939/CLUSTER	STEERING COL AREA
WATER (TEMP)	YES	ENGINE CTRLR/DRIVE TRAIN J1939/CLUSTER	ENGINE
ENG OIL (TEMP)	YES	ENGINE CTRLR/DRIVE TRAIN J1939/CLUSTER	ENGINE
OIL (PRES)	YES	ENGINE CTRLR/DRIVE TRAIN J1939/CLUSTER	ENGINE
TRANS (TEMP)	YES	XMSN CTRLR/SYSTEM CTRLR/DRIVE TRAIN J1939/CLUSTER	TRANSMISSION
AMMETER	NO	PAM MODULE/DRIVE TRAIN J1939/CLUSTER	ENGINE

NOTES:

1) WARNING LIGHTS ARE PART OF THE GAUGES AND LOCATED IN THE GAUGE CLUSTER

CHK	DATE	CHANGED BY - LATEST CHANGE	REV	REFERENCE	DRAWN	NAME
					U00LH3	IRAOI BUS ELECTRICAL CIRCUIT DIAGRAMS
					RELEASE NO.	DATE
					59419M	10SEP04
						PART NO.
						AE08-55712

SHEET

45

6.2. WARNING LIGHTS, P. 46

INTERNATIONAL TRUCK AND ENGINE CORPORATION					ELECTRICAL CIRCUIT DIAGRAM			CHAPTER 6		
THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF THE INTERNATIONAL TRUCK AND ENGINE CORPORATION.					WARNING LIGHTS LIST					
IP WARNING LIGHTS										
WARNING LIGHT TITLE			SIGNAL PATH			SENSOR LOCATION				
RANGE INHIBITED LCT			TRANS CTRLR/DRIVE TRAIN J1939/CLUSTER							
FUEL FILTER			SYSTEM CTRLR/DRIVE TRAIN J1939/CLUSTER			FUEL FILTER				
ENGINE (YELLOW LED)			ENGINE CTRLR/DRIVE TRAIN J1939/CLUSTER							
ENGINE (RED LED)			ENGINE CTRLR/DRIVE TRAIN J1939/CLUSTER							
BRAKE PRESSURE (AIR)			SYSTEM CTRLR/DRIVE TRAIN J1939/CLUSTER			SWITCH				
BRAKE PRESSURE (HYDR)			HYD BRK ECU CTRLR/DRIVE TRAIN J1939/CLUSTER			SWITCH				
BRAKE/PARK/BRAKE FLUID			HYD BRK ECU CTRLR/DRIVE TRAIN J1939/CLUSTER							
PARK (HYD BRAKE) (P)			HYD BRK ECU CTRLR/DRIVE TRAIN J1939/CLUSTER			SAHR TRAVEL SW				
BRAKE FLUID HYD BRK			HYD BRK ECU CTRLR/DRIVE TRAIN J1939/CLUSTER			BRK RESERVOIR				
TRAC CTRL			TRUCK ABS CTRLR/DRIVE TRAIN J1939/CLUSTER							
CHECK TRANS			TRUCK ABS CTRLR/DRIVE TRAIN J1939/CLUSTER							
(LEFT TURN)			SYSTEM CTRLR/DRIVE TRAIN J1939/CLUSTER			TURN SIG SW				
WATER IN FUEL			SYSTEM CTRLR/DRIVE TRAIN J1939/CLUSTER			FUEL FILTER				
COOLANT LEVEL			ENGINE CTRLR/DRIVE TRAIN J1939/CLUSTER			SURGE TANK				
CHECK ELECT SYS			SYSTEM CTRLR/DRIVE TRAIN J1939/CLUSTER							
PARK (AIR BRAKE) (P)			SYSTEM CTRLR/DRIVE TRAIN J1939/CLUSTER			PARK BRAKE VALVE				
ABS			TRUCK CTRLR/DRIVE TRAIN J1939/CLUSTER							
(RIGHT TURN)			SYSTEM CTRLR/DRIVE TRAIN J1939/CLUSTER							
WAIT TO START			ENGINE CTRLR/DRIVE TRAIN J1939/CLUSTER							
(HIGH BEAM IND)			SYSTEM CTRLR/DRIVE TRAIN J1939/CLUSTER							
COLD AMB PROTEC			SYSTEM CTRLR/DRIVE TRAIN J1939/CLUSTER							
THROTTLE			ENGINE CTRLR/DRIVE TRAIN J1939/CLUSTER							
LIFT DOOR			SYSTEM CTRLR/DRIVE TRAIN J1939/CLUSTER			LIFT DOOR SWITCH				
ECON			TRANS CTRLR/DRIVE TRAIN J1939/CLUSTER							
SERVICE (P)			SYSTEM CTRLR/DRIVE TRAIN J1939/CLUSTER							
AMBER FLASHER			SYSTEM CTRLR/DRIVE TRAIN J1939/CLUSTER							
RED FLASHER			SYSTEM CTRLR/DRIVE TRAIN J1939/CLUSTER							
EMERG EXIT			SYSTEM CTRLR/DRIVE TRAIN J1939/CLUSTER							

6.3. WARNING LIGHTS CONTROLLED BY ENGINE, TRANSMISSION, ABS CONTROLLERS, P. 47

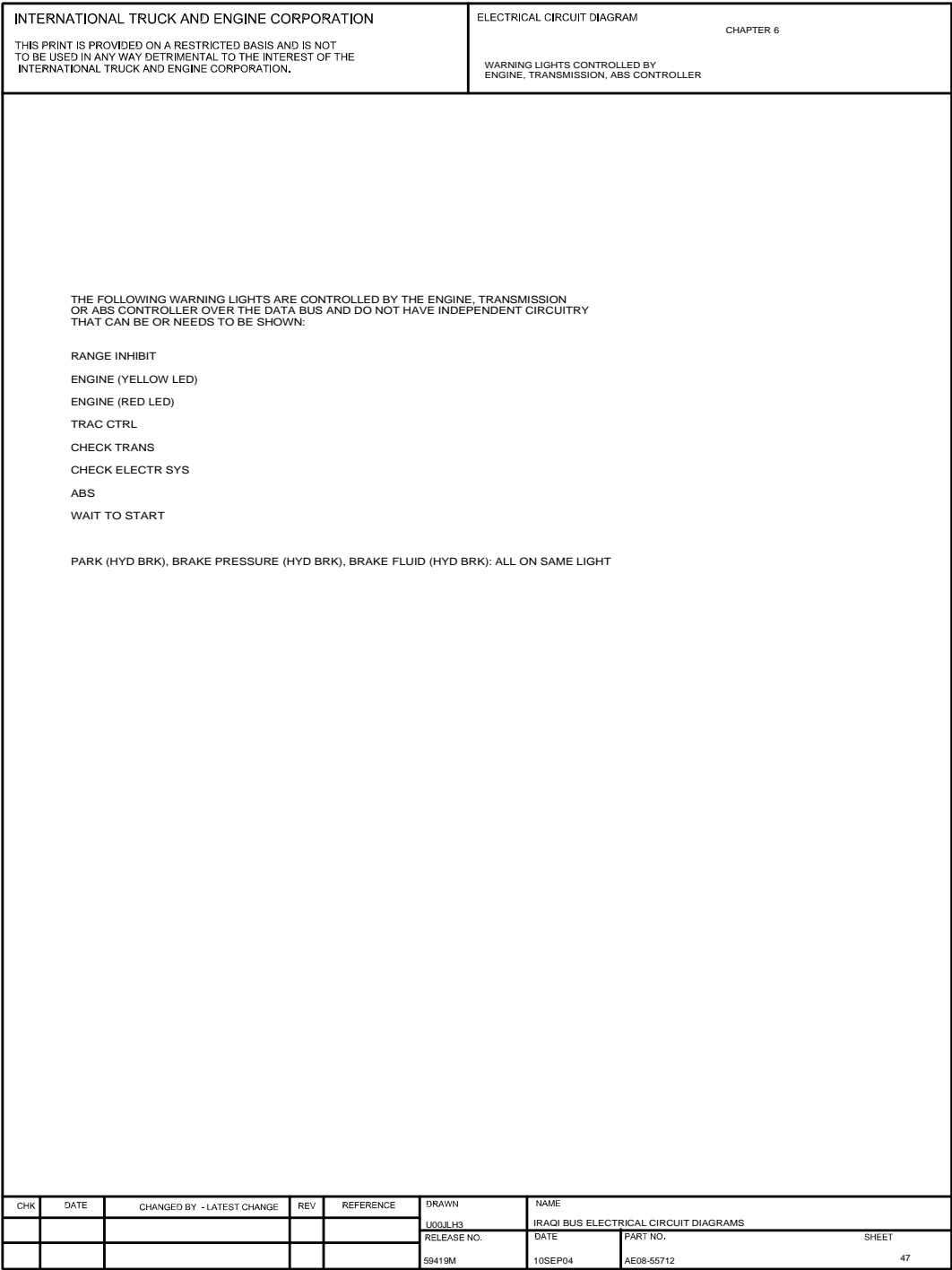


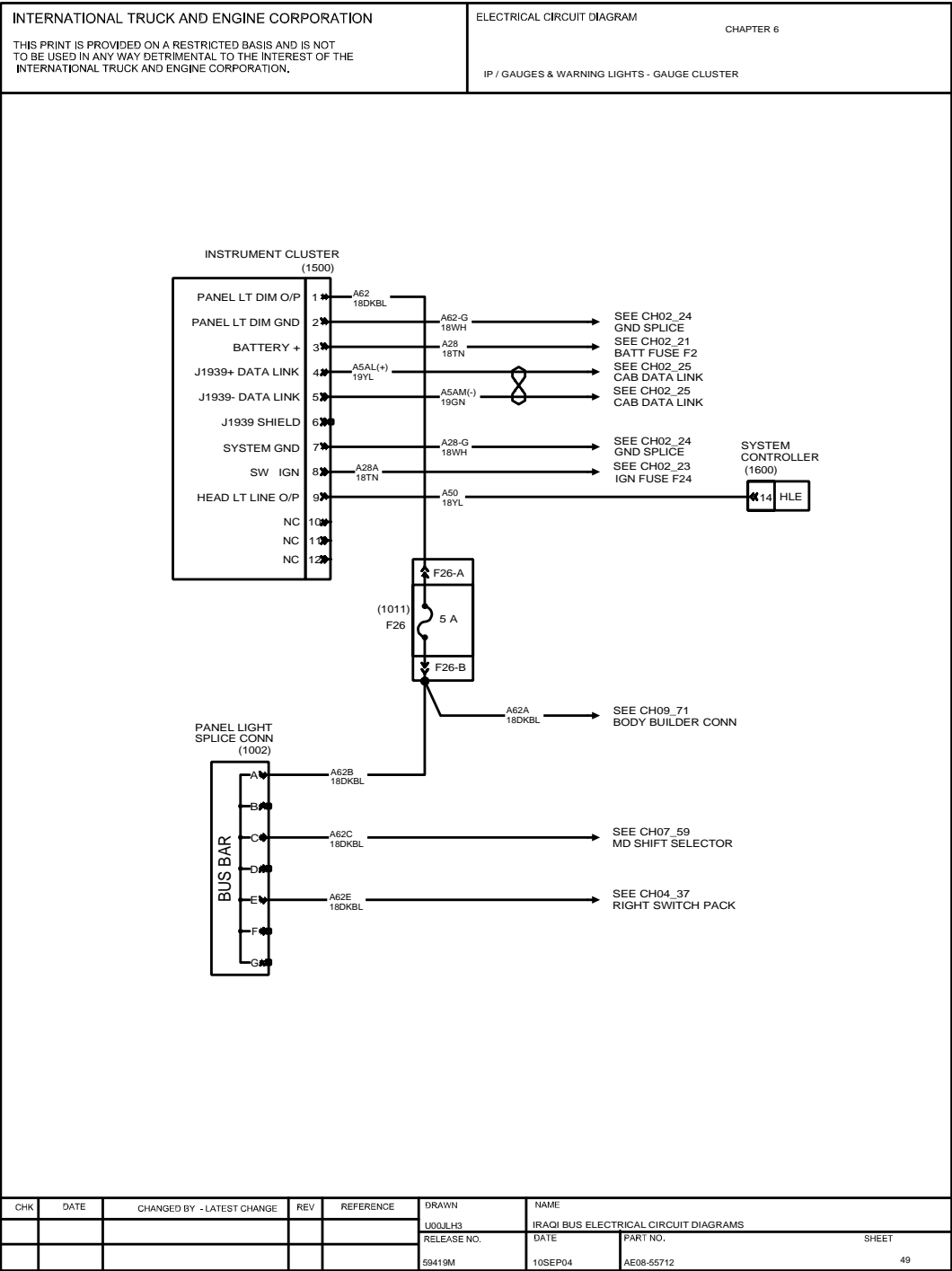
Figure 30 Warning Lights Controlled by Engine, Transmission, ABS Controller

6.4. ENG. OIL PRESS. AND TEMP., SPEEDOMETER, TACH., VOLTMETER AND WATER TEMP. GAUGE CIRCUITS, P. 48

INTERNATIONAL TRUCK AND ENGINE CORPORATION					ELECTRICAL CIRCUIT DIAGRAM				
THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF THE INTERNATIONAL TRUCK AND ENGINE CORPORATION.					CHAPTER 6				
					ENG OIL PRESS & TEMP, SPEEDOMETER, TACH VOLTMETER & WATER TEMP GAUGE CIRCUITS				
<p>REFER TO CONSOLIDATED ENGINE/VEHICLE CONTROLLER DIAGNOSTICS MANUAL EGES-175 (DT466), EGES-190 (V8-AVNY), FOR CIRCUIT DIAGRAMS SHOWING INPUT CIRCUITRY FOR THE FOLLOWING DATALINK DRIVEN SYSTEMS.</p> <p>ENGINE OIL PRESSURE GAUGE ENGINE OIL TEMPERATURE GAUGE SPEEDOMETER GAUGE TACHOMETER GAUGE WATER TEMPERATURE GAUGE</p>									
CHK	DATE	CHANGED BY - LATEST CHANGE	REV	REFERENCE	DRAWN	NAME			
					U00JLH3	IRAQI BUS ELECTRICAL CIRCUIT DIAGRAMS			
					RELEASE NO.	DATE	PART NO.	SHEET	
					59419M	10SEP04	AE08-55712	48	

Figure 31 Eng. Oil Press. and Temp., Speedometer, Tach., Voltmeter and Water Temp. Gauge Circuits

6.5. GAUGES AND WARNING LIGHTS — GAUGE CLUSTER, P. 49



6.6. GAUGES AND WARNING LIGHTS — FUEL GAUGE WITH AIR BRAKE CHASSIS, P. 50

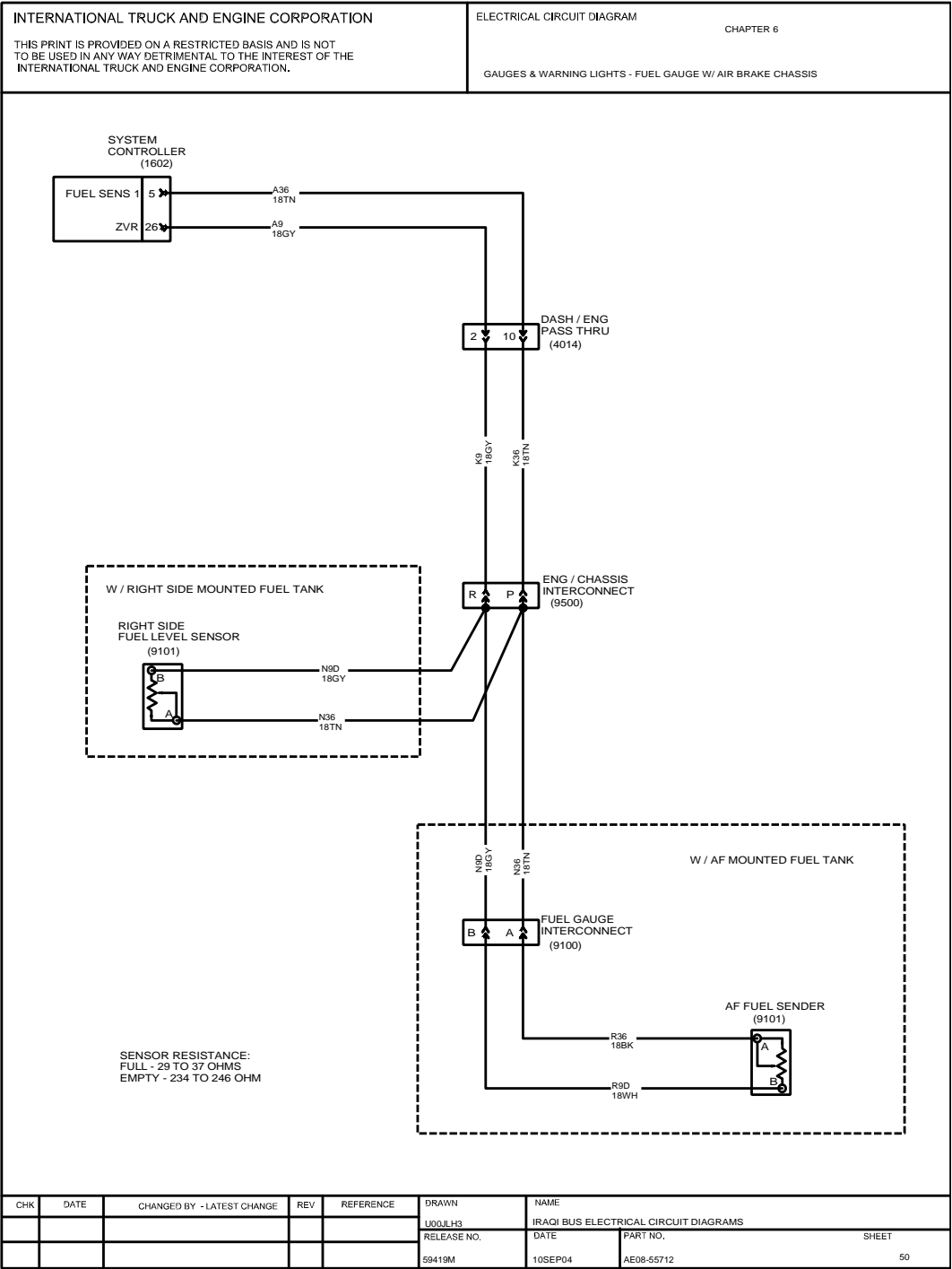


Figure 33 Gauges and Warning Lights — Fuel Gauge with Air Brake Chassis

6.7. GAUGES AND WARNING LIGHTS — PARK BRAKE LIGHT, P. 51

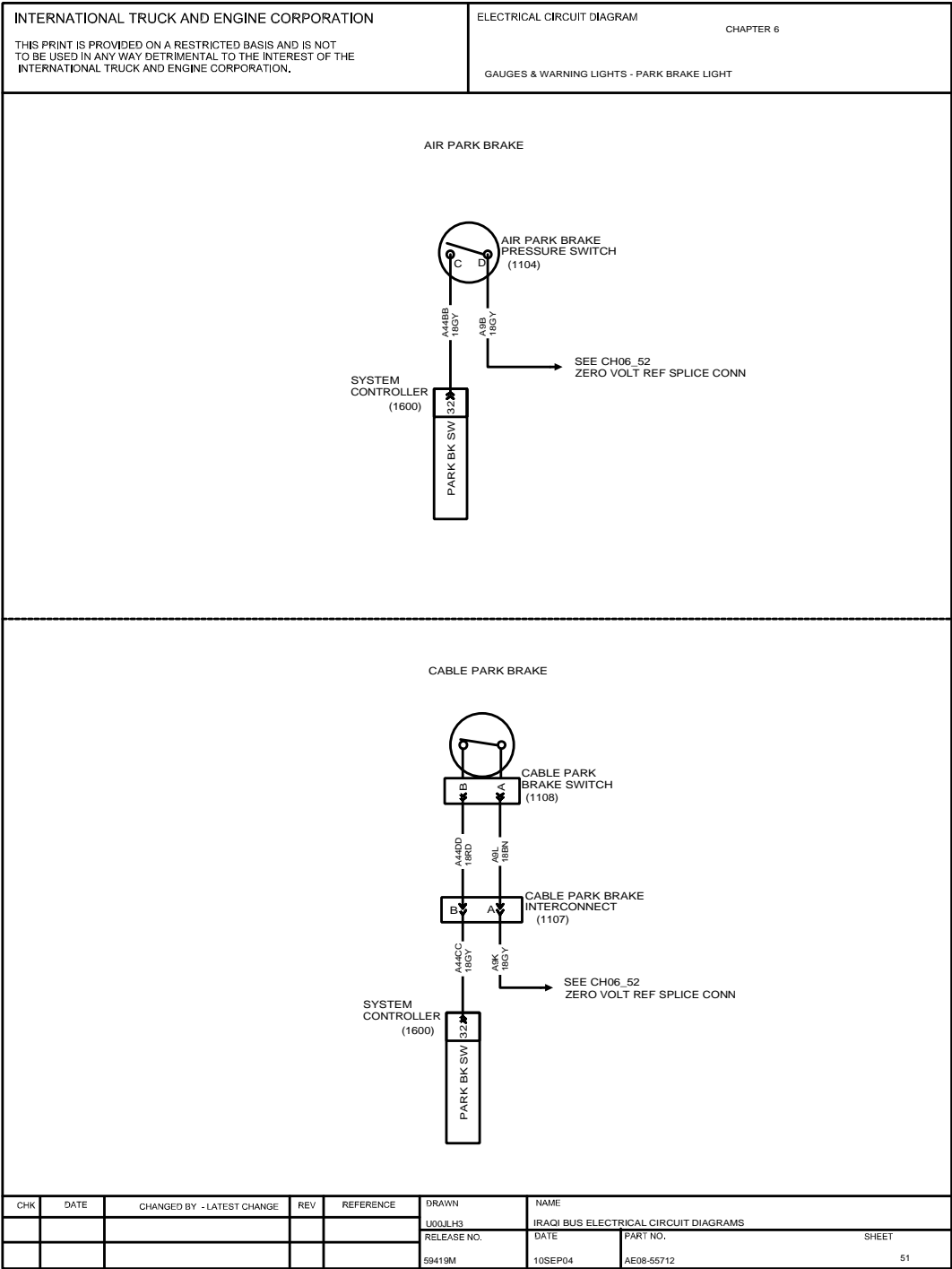


Figure 34 Gauges and Warning Lights — Park Brake Light

6.8. GAUGES AND WARNING LIGHTS — AIR PRESSURE INPUT CIRCUIT AND ZERO VOLT REFERENCE SPLICE, P. 11

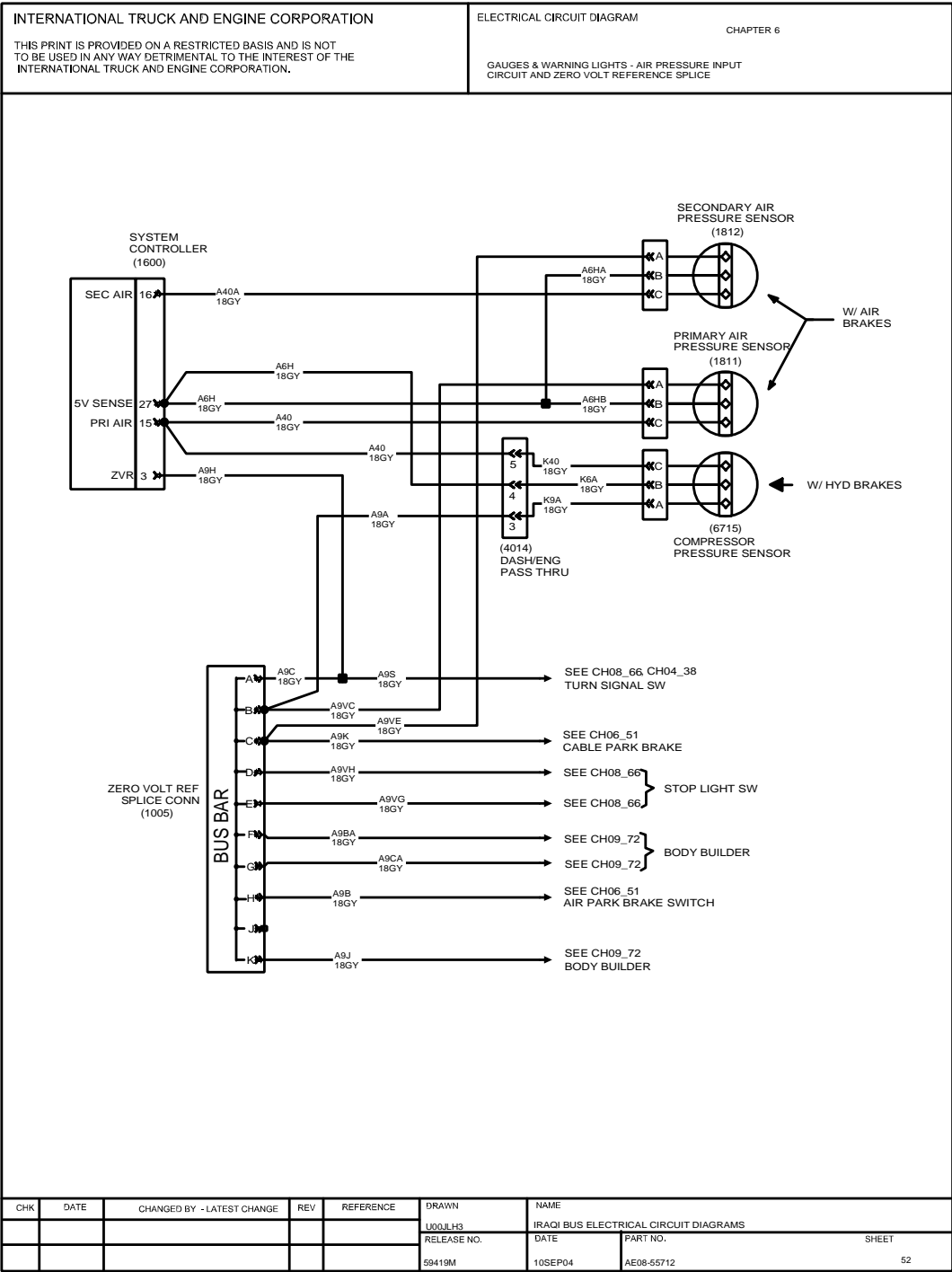


Figure 35 Gauges and Warning Lights — Air Pressure Input Circuit and Zero Volt Reference Splice

7. CHASSIS ACCESSORIES (CHAPTER 7)

7.1. ANTILOCK BRAKE SYSTEM (ABS), AIR, P. 56

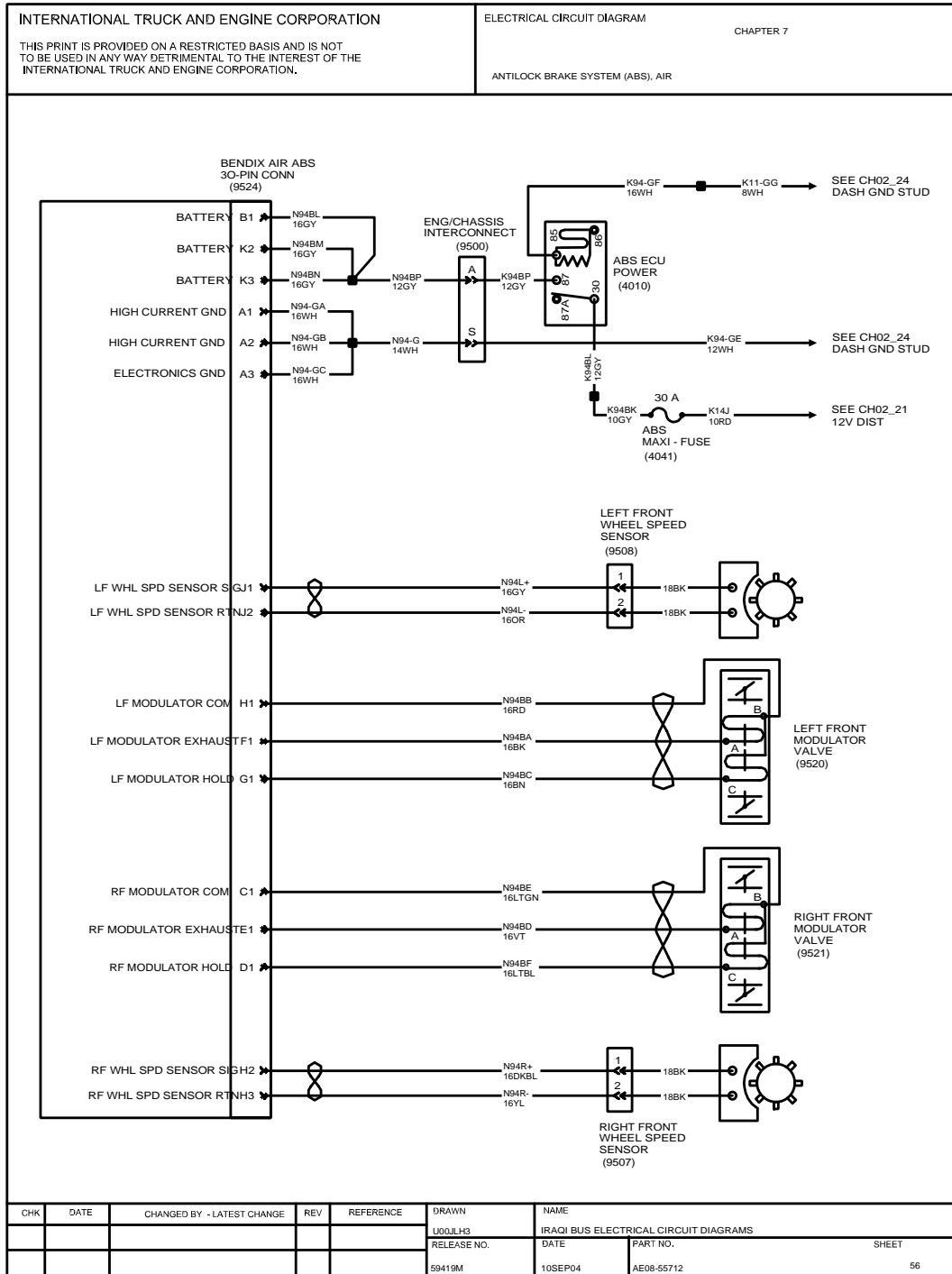


Figure 36 Antilock Brake System (ABS), Air

7.2. ANTILOCK BRAKE SYSTEM (ABS), AIR (CONT.), TRACTION CONTROL, P. 57

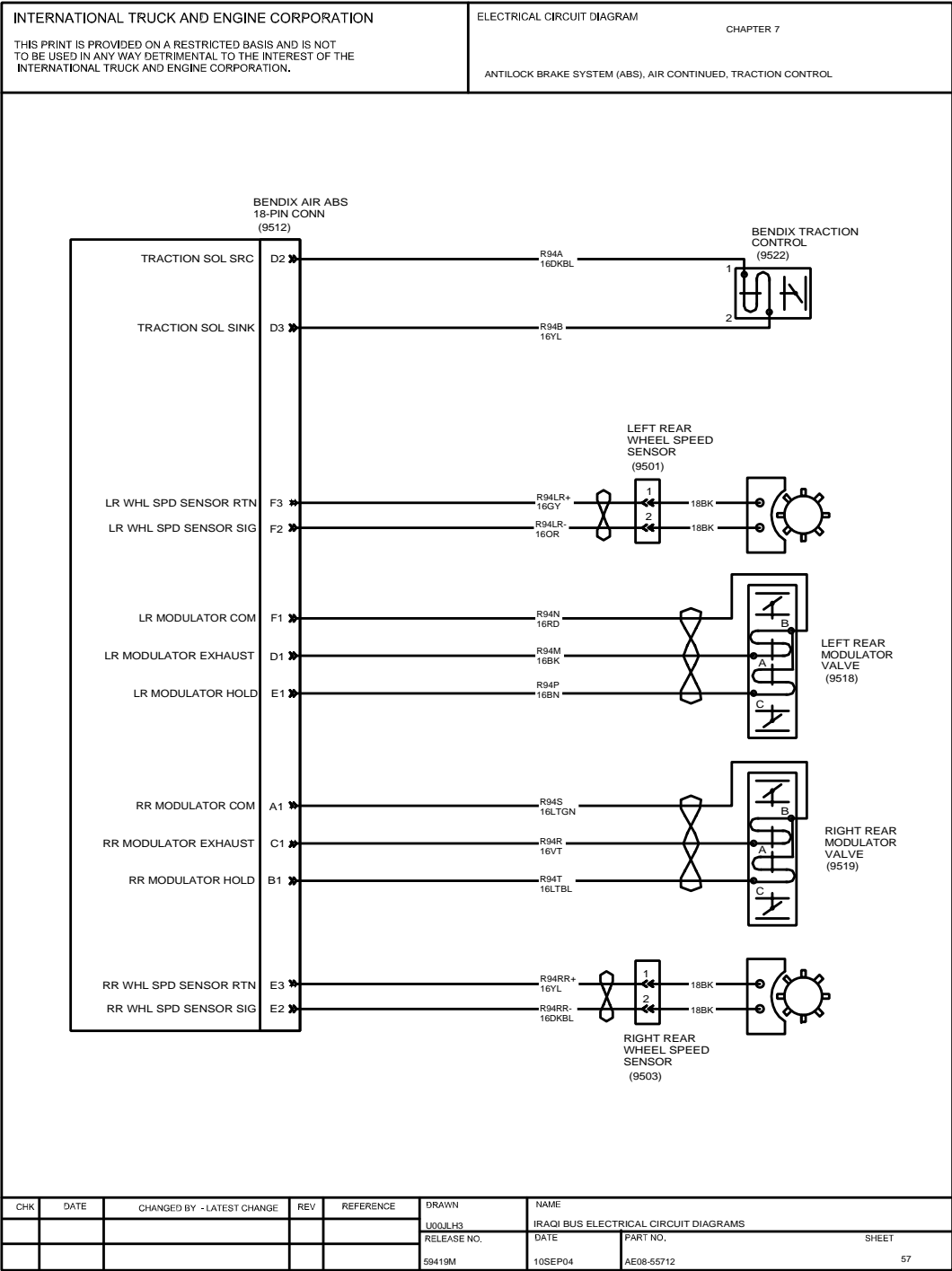


Figure 37 Antilock Brake System (ABS), Air (Cont.), Traction Control

7.3. ALLISON WTEC MD TRANSMISSION, P. 58

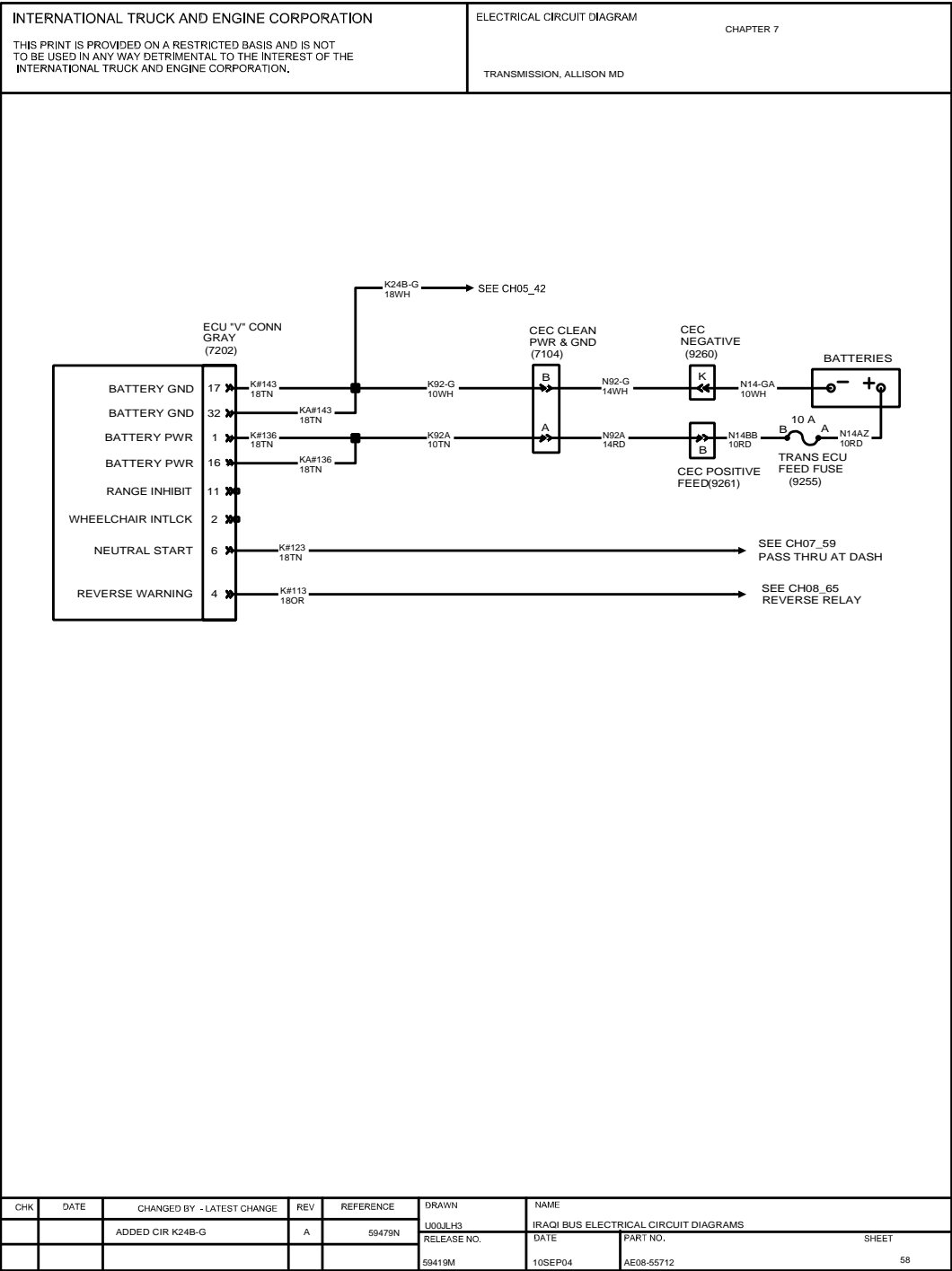
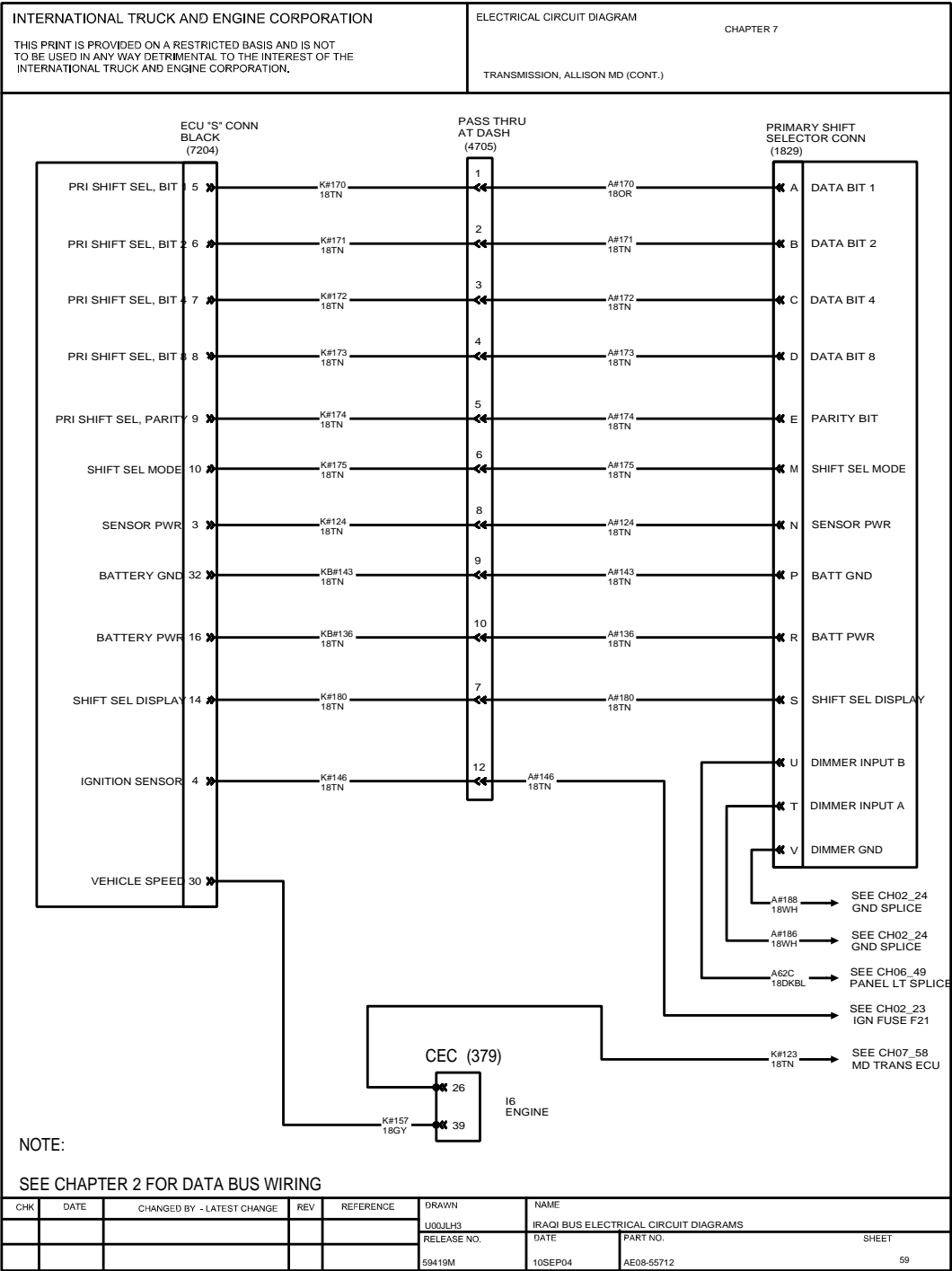


Figure 38 Allison WTEC MD Transmission

7.4. ALLISON WTEC MD TRANSMISSION, P. 59



7.5. ALLISON WTEC MD TRANSMISSION, P. 60

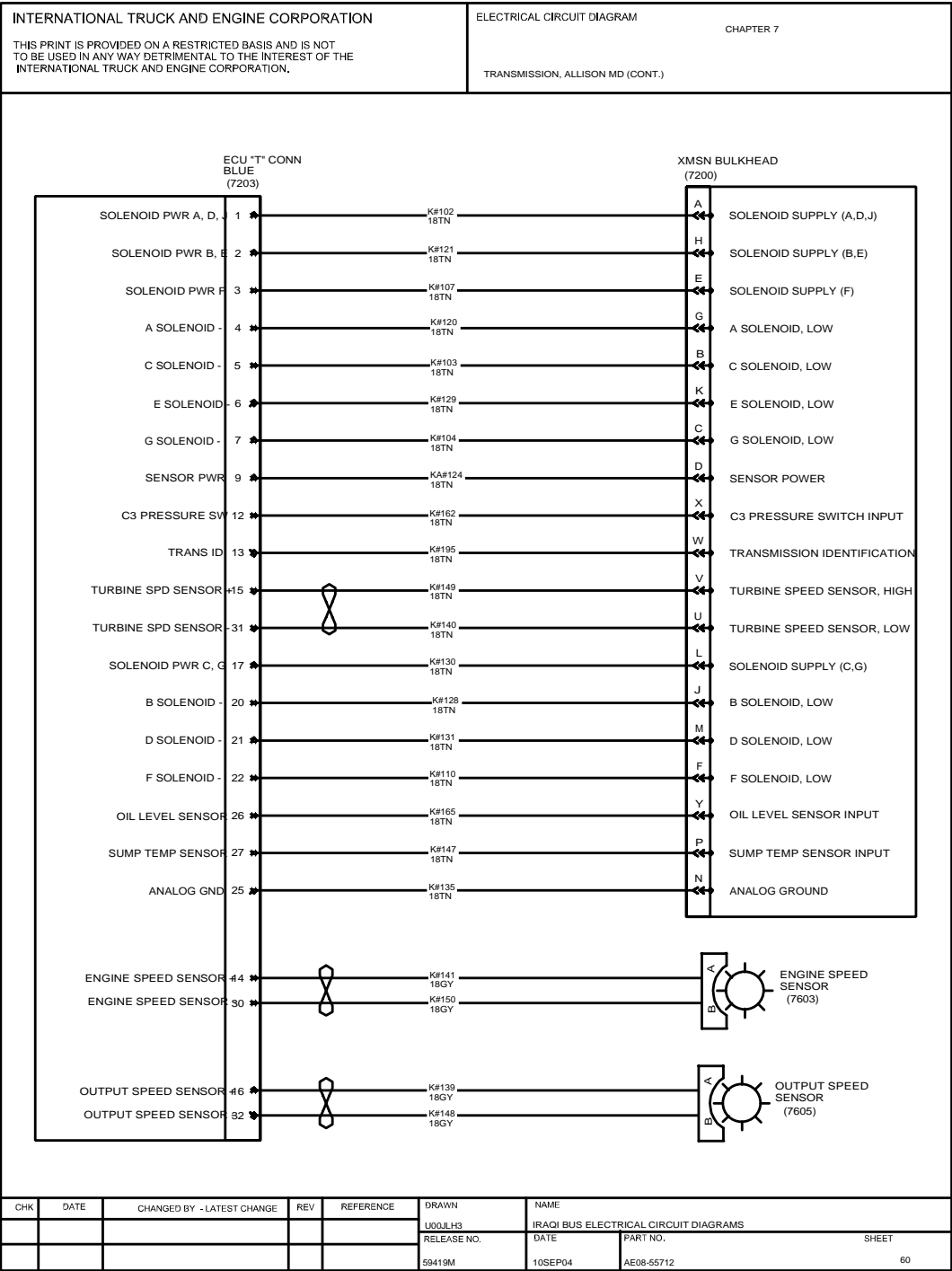


Figure 40 Allison WTEC MD Transmission (Cont.)

7.6. AIR DRYER WIRING, P. 61

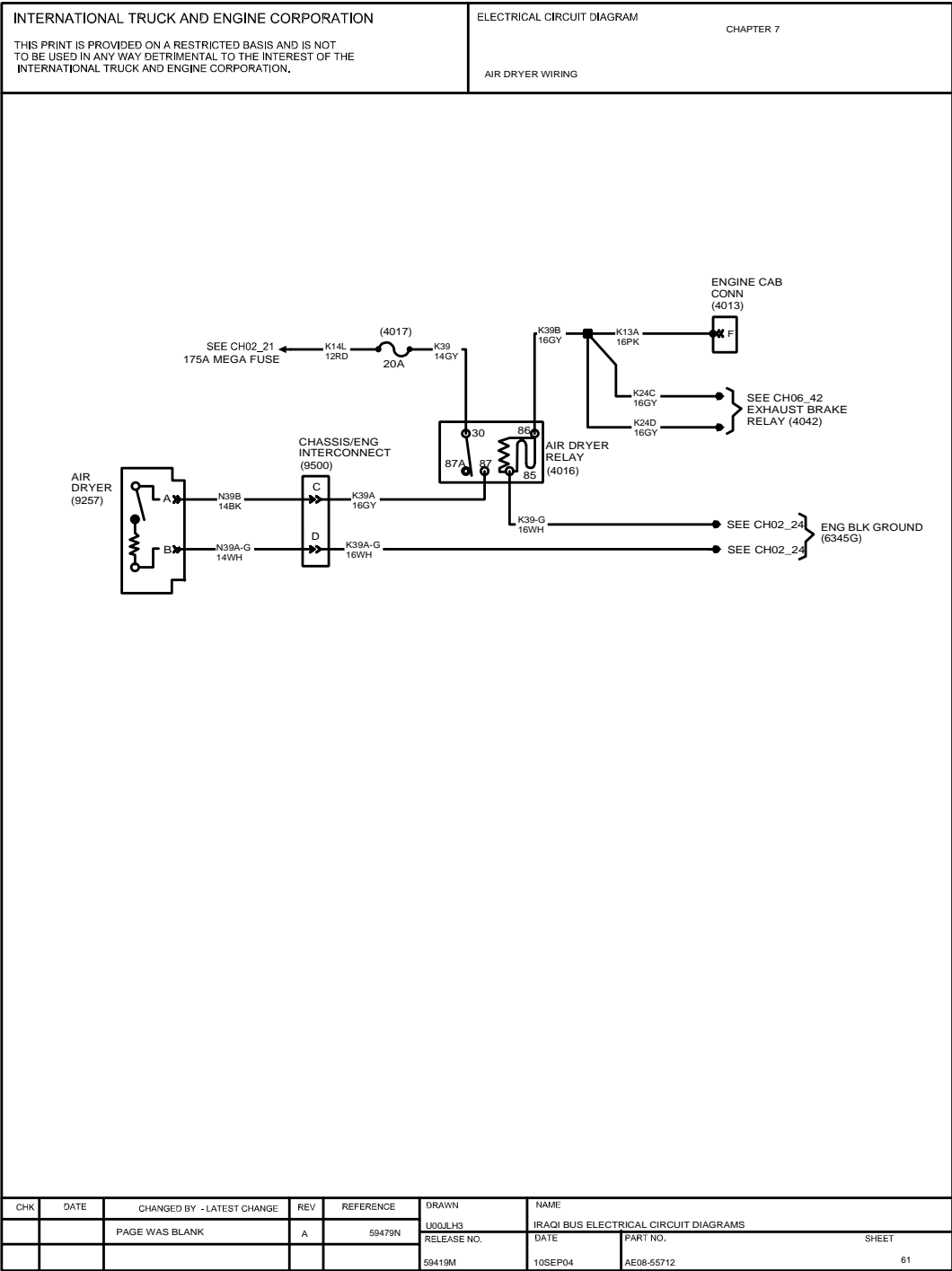


Figure 41 Air Dryer Wiring

8. LIGHT SYSTEMS (CHAPTER 8)

8.1. BACK-UP LIGHTS / EXTERIOR LIGHT CHECK, P. 65

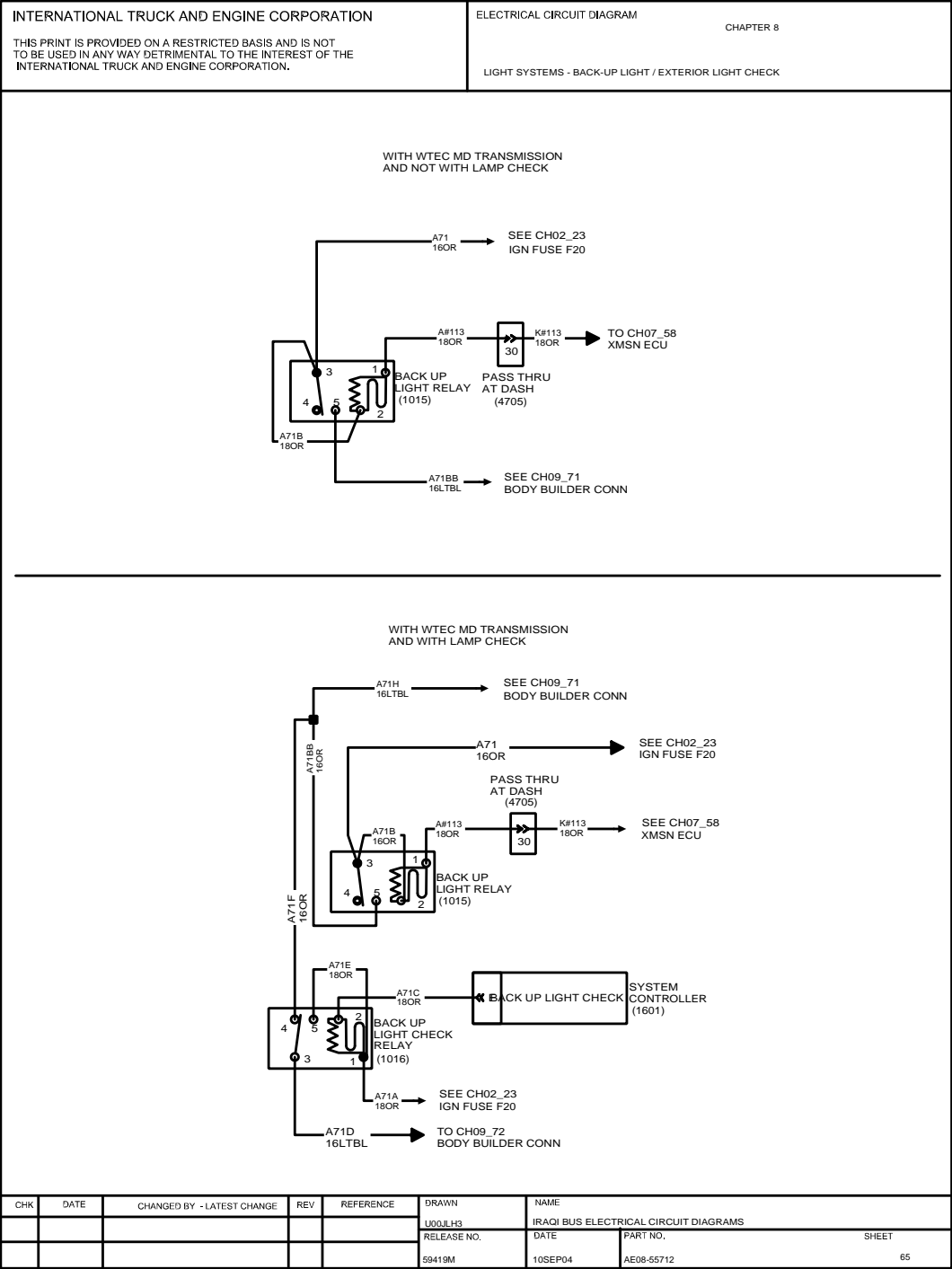


Figure 42 Back-Up Lights / Exterior Light Check

8.2. HIGH BEAM, FLASH TO PASS, TURN SIGNAL, AND AIR BRAKE STOP SWITCHES, P. 66

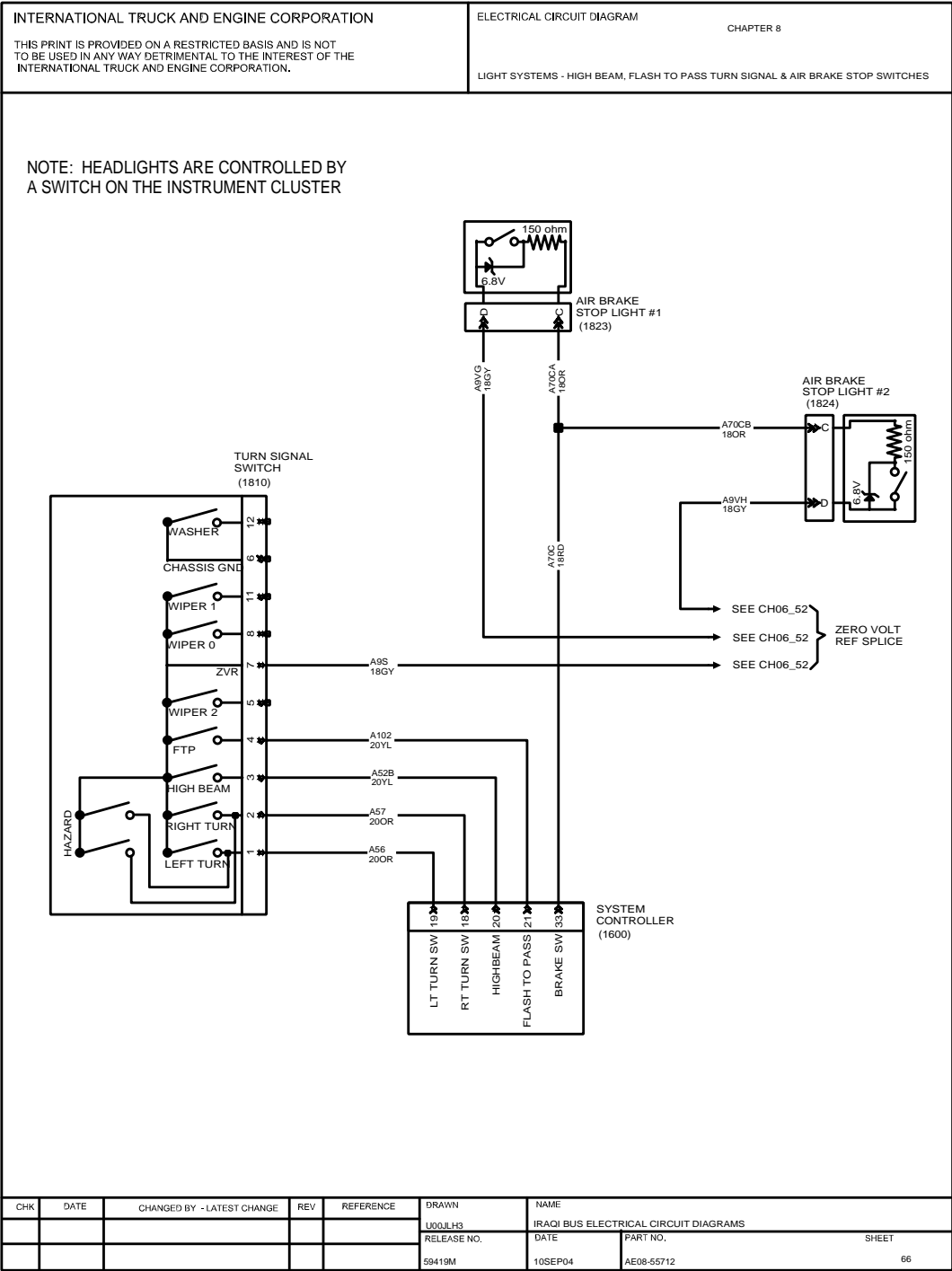


Figure 43 High Beam, Flash to Pass, Turn Signal, and Air Brake Stop Switches

8.3. HEADLIGHTS, MARKER, PARK, TURN, AND STOP RELAY — WITHOUT FENDER MOUNT LIGHTS, P. 67

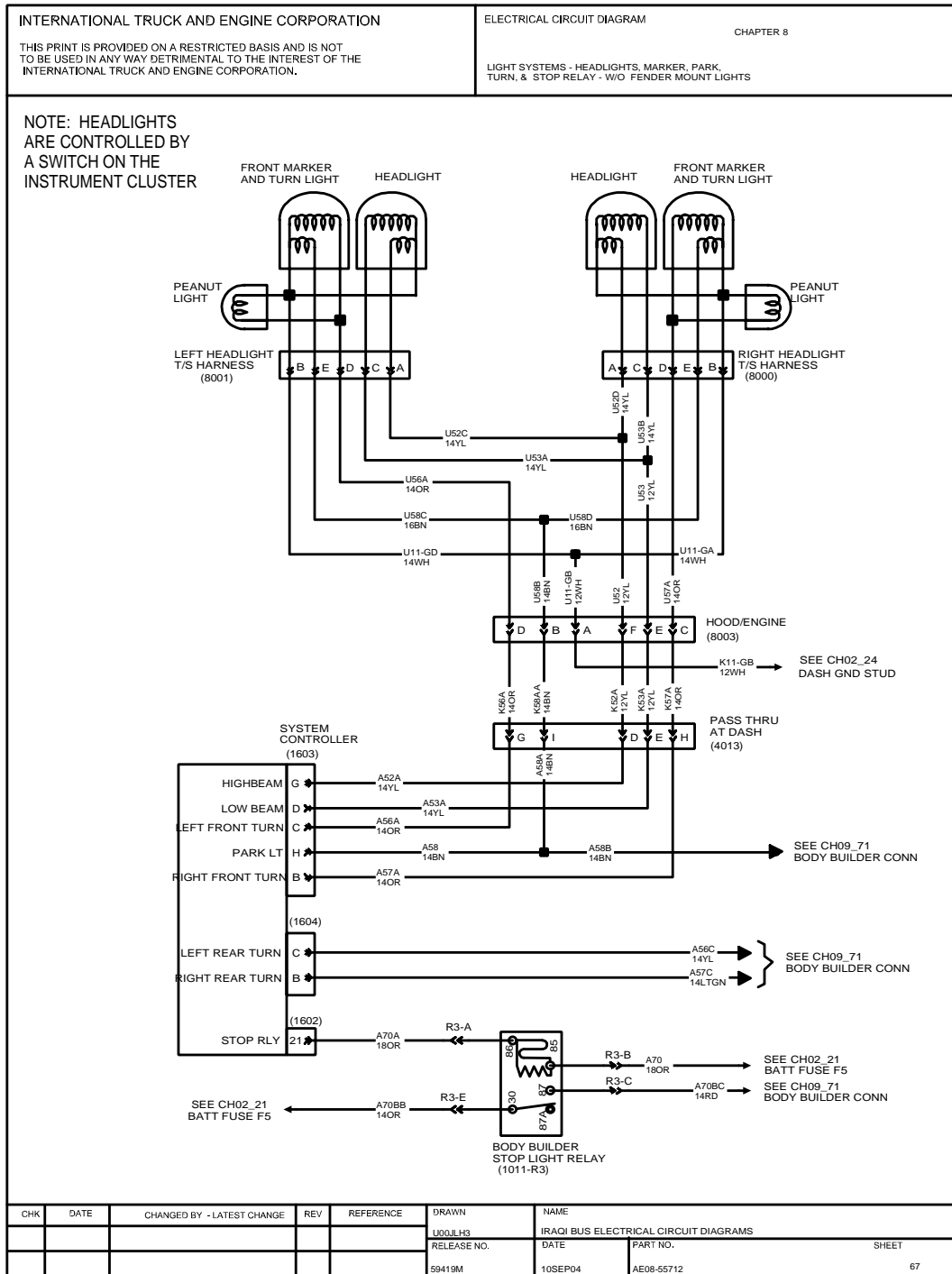
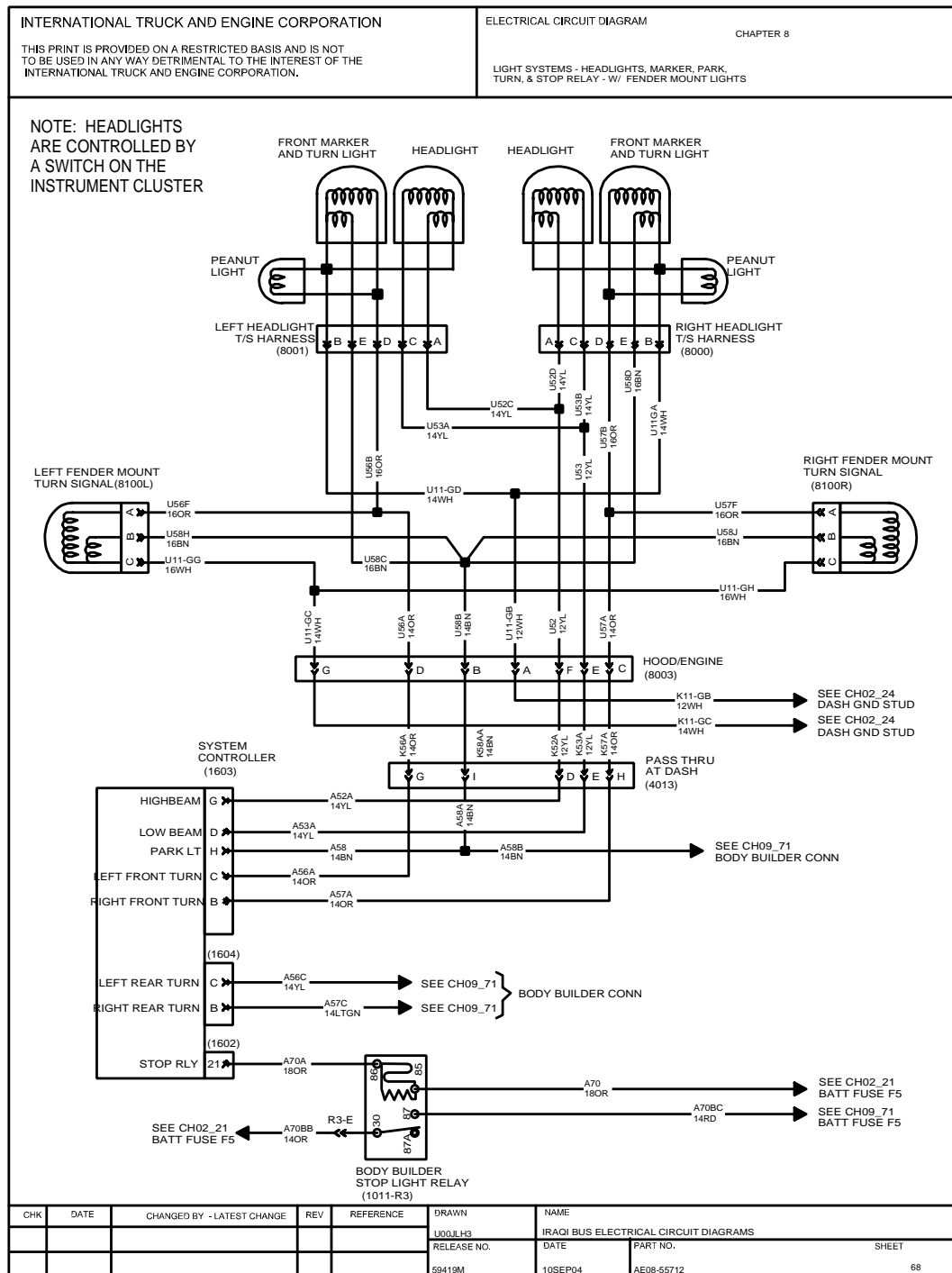


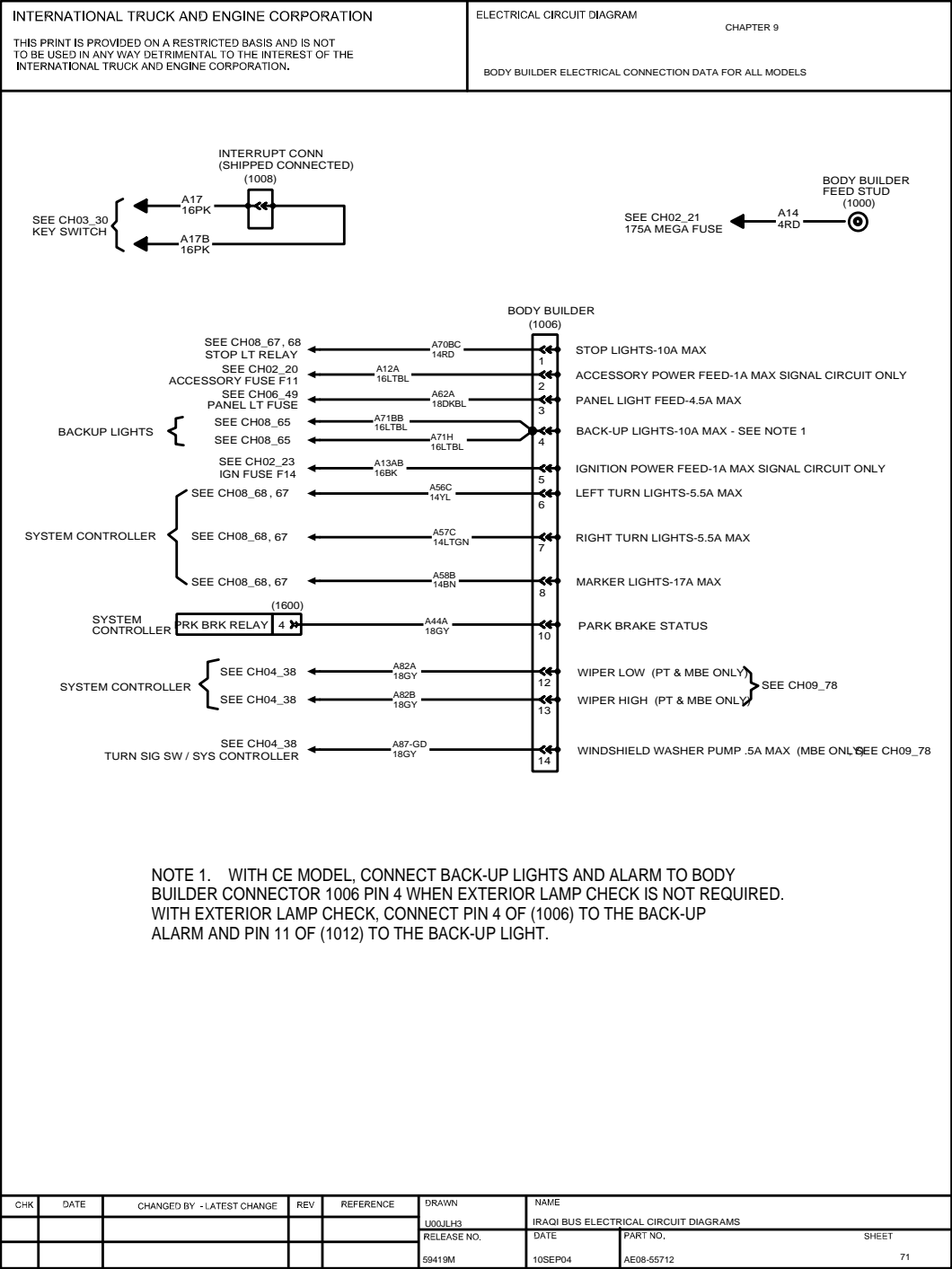
Figure 44 Headlights, Marker, Park, Turn, and Stop Relay — Without Fender Mount Lights

Figure 45 Headlights, Marker, Park, Turn, and Stop Relay — With Fender Mount Lights



9. BODY BUILDER CONNECTION DATA (CHAPTER 9)

9.1. BODY BUILDER ELECTRICAL CONNECTION DATA FOR ALL MODELS, P. 71



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ELECTRICAL CIRCUIT DIAGRAM

CHAPTER 9

BODY BUILDER ELECTRICAL CONNECTION DATA FOR CE MODEL

SYSTEM CONTROLLER

(1603) RIGHT FRONT AND REAR RED FLASHER
A

(1604) LEFT FRONT AMBER FLASHER
A

LEFT REAR AMBER FLASHER
G

* EMERGENCY EXIT AND FLASHER OVERRIDE CIRCUITS ARE REVERSED WITH 498GN.

(1600) AMBER FLASHER SWITCH
5

FLASHER OVERRIDE
9

ELEC DOOR CONT OPEN
11

DOOR CONT OPEN
26

MASTER FLASHER SWITCH
31

WHEELCHAIR DOOR SW
8

EMRG EXIT BZR / LIGHT
25

POST TRIP INSP INPUT
7

(1601) RIGHT FRONT AMBER FLASHER
F

LEFT FRONT AND REAR RED FLASHER
G

STOP ARM
A

RIGHT REAR AMBER FLASHER
C

(1602) CROSSING GATE DISABLE SWITCH
8

ELEC DR CONT CLOSE
17

WHEELCHAIR LIFT SOLENOID
23

DOOR CONT CLOSE
16

BODY BUILDER

(1012) RIGHT FRONT AND REAR RED FLASHER-20A MAX
13

RIGHT FRONT AND REAR AMBER FLASHER-20A MAX
14

BACK-UP LIGHTS - SEE NOTE 1 ON PREVIOUS PAGE
11

LEFT FRONT AND REAR AMBER FLASHER-20A MAX
3

LEFT FRONT AND REAR RED FLASHER-20A MAX
12

DOOR CLOSE SEE CH09_12
1

BODY BUILDER

(1007) AMBER FLASHER SWITCH
8

OVERRIDE FLASHER
2

ELECTRIC DOOR CONTROL OPENSEE CH09_74, 75
7

DOOR OPEN SEE CH09_79, 80
10

MASTER FLASHER SWITCHSEE CH09_76
12

STOP ARM
11

CROSSING GATE DISABLE SWITCHSEE CH09_76
13

ELECTRIC DOOR CONTROL CLOSESEE CH09_74
9

WHEELCHAIR LIFT SOLENOID
6

WHEELCHAIR LIFT RELAY (1019)
1, 2, 3, 4

EMERGENCY EXIT RELAY (1020)
1, 2, 3, 4

POST TRIP INSP RELAY (1021)
1, 2, 3, 4

WHEELCHAIR DOOR SWITCH
4

EMERGENCY EXIT BUZZER & LIGHTS
3

ZERO VOLT REFERENCE
15

POST TRIP INSPECTION
1

WIRING CONNECTIONS:

- A89PP 16VT
- A89LL 16VT
- A71D 16LTBL
- A89YY 16VT
- A89XX 16VT
- A89SS 16VT
- A89RR 16VT
- A89AA 18PL
- A89DD 18PL
- A89EE 18PL
- A89SK 18PL
- A89KK 18PL
- A89CC 18PL
- A89FF 18PL
- A89BB 18PL
- A89ZZ 16VT
- A89HH 18PL
- A89JJ 16VT
- A89MM 18PL
- A89AP 18PL
- A89AR 18PL
- A89BD 18VT
- A89CD 18VT
- A89FD 18VT
- A89CB 18VT
- A89FB 18VT
- A89FA 18GY
- A89DA 18VT
- A89BC 18VT
- A89CA 18GY
- A89BA 18GY
- A89AJ 18GY
- A89DB 18VT

LEGEND:

- WHEELCHAIR LIFT RELAY (1019)
- EMERGENCY EXIT RELAY (1020)
- POST TRIP INSP RELAY (1021)
- WHEELCHAIR DOOR SWITCH
- EMERGENCY EXIT BUZZER & LIGHTS
- ZERO VOLT REFERENCE
- POST TRIP INSPECTION

S08292

9.3. EMERGENCY EXIT BUZZER AND POST TRIP INSPECTION, P. 73

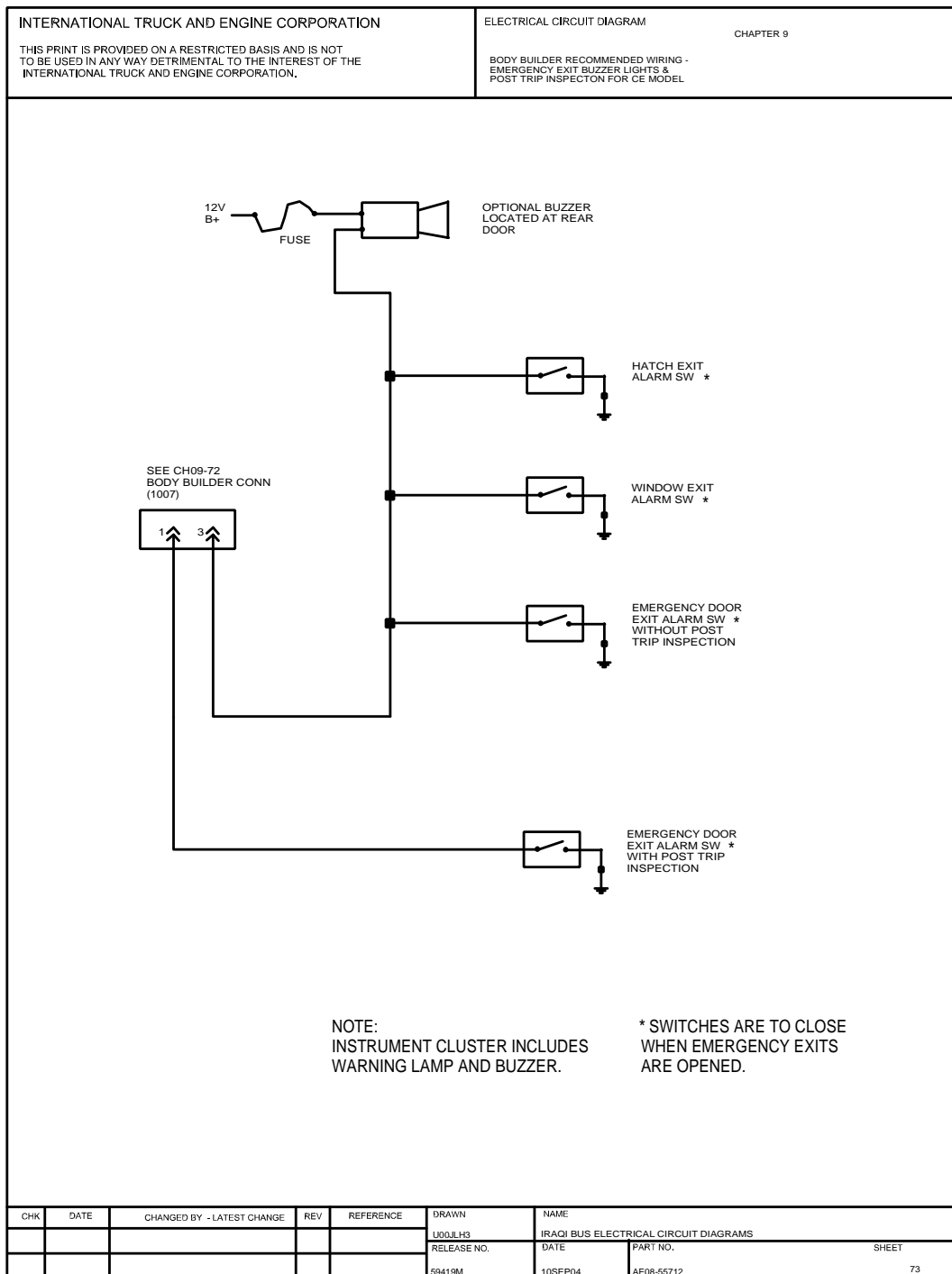


Figure 48 Emergency Exit Buzzer and Post Trip Inspection

9.4. DOOR OPEN / CLOSE WITH ELEC. CONTROL, P. 74

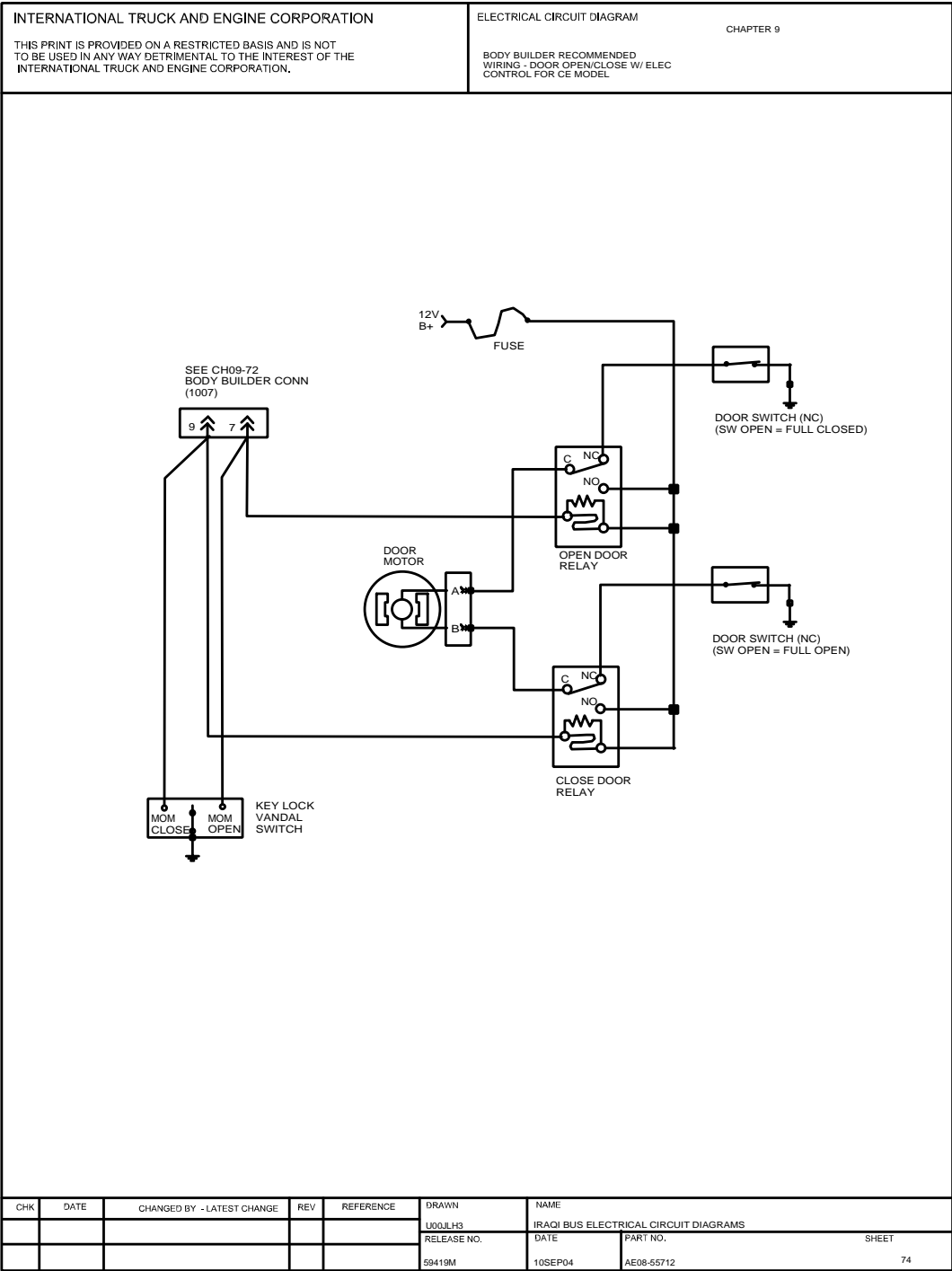


Figure 49 Door Open / Close with Elec. Control

9.5. DOOR OPEN / CLOSE WITH AIR CONTROL, P. 75

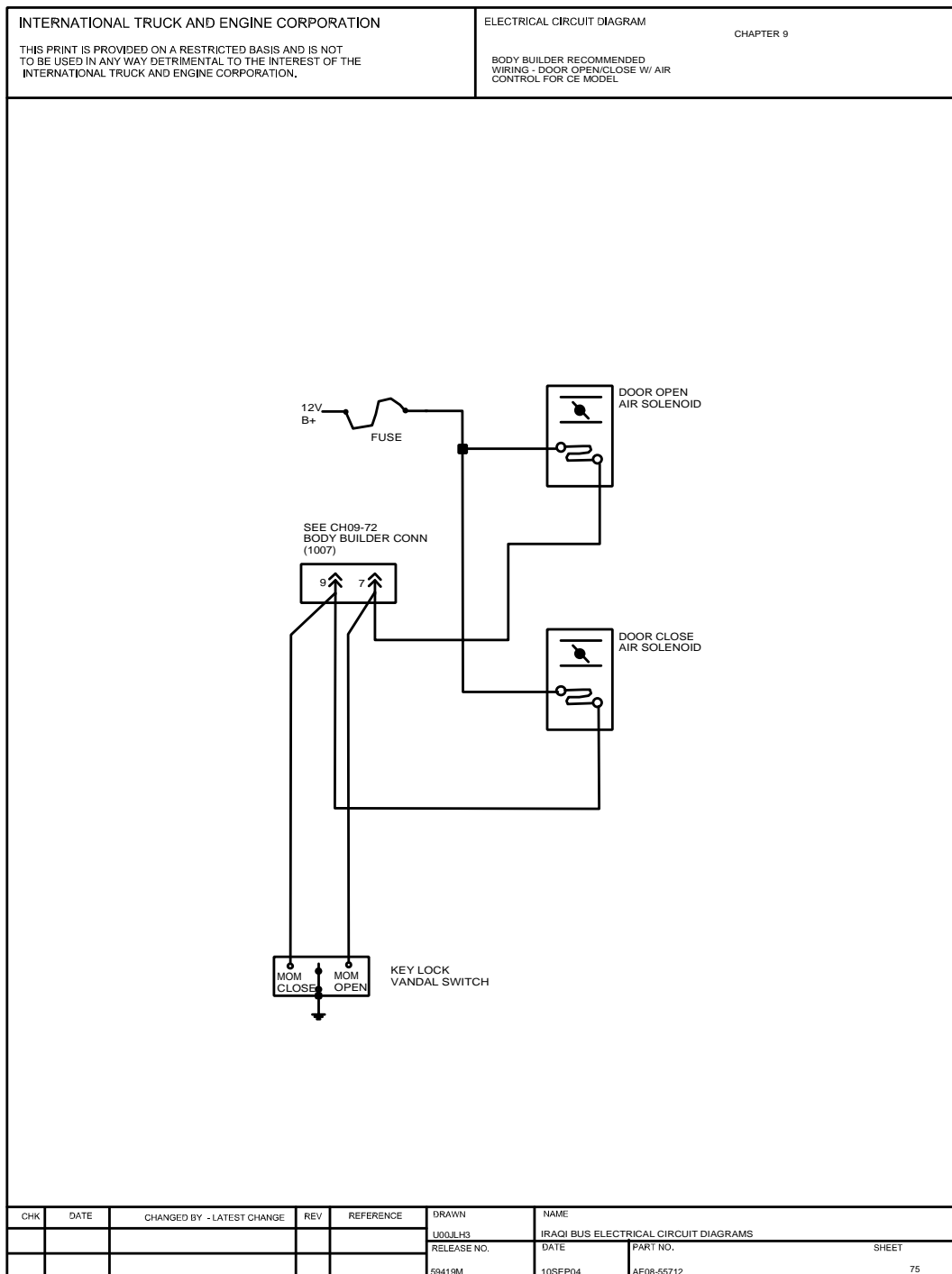


Figure 50 Door Open / Close with Air Control

9.6. FLASHER SWITCHES, P. 76

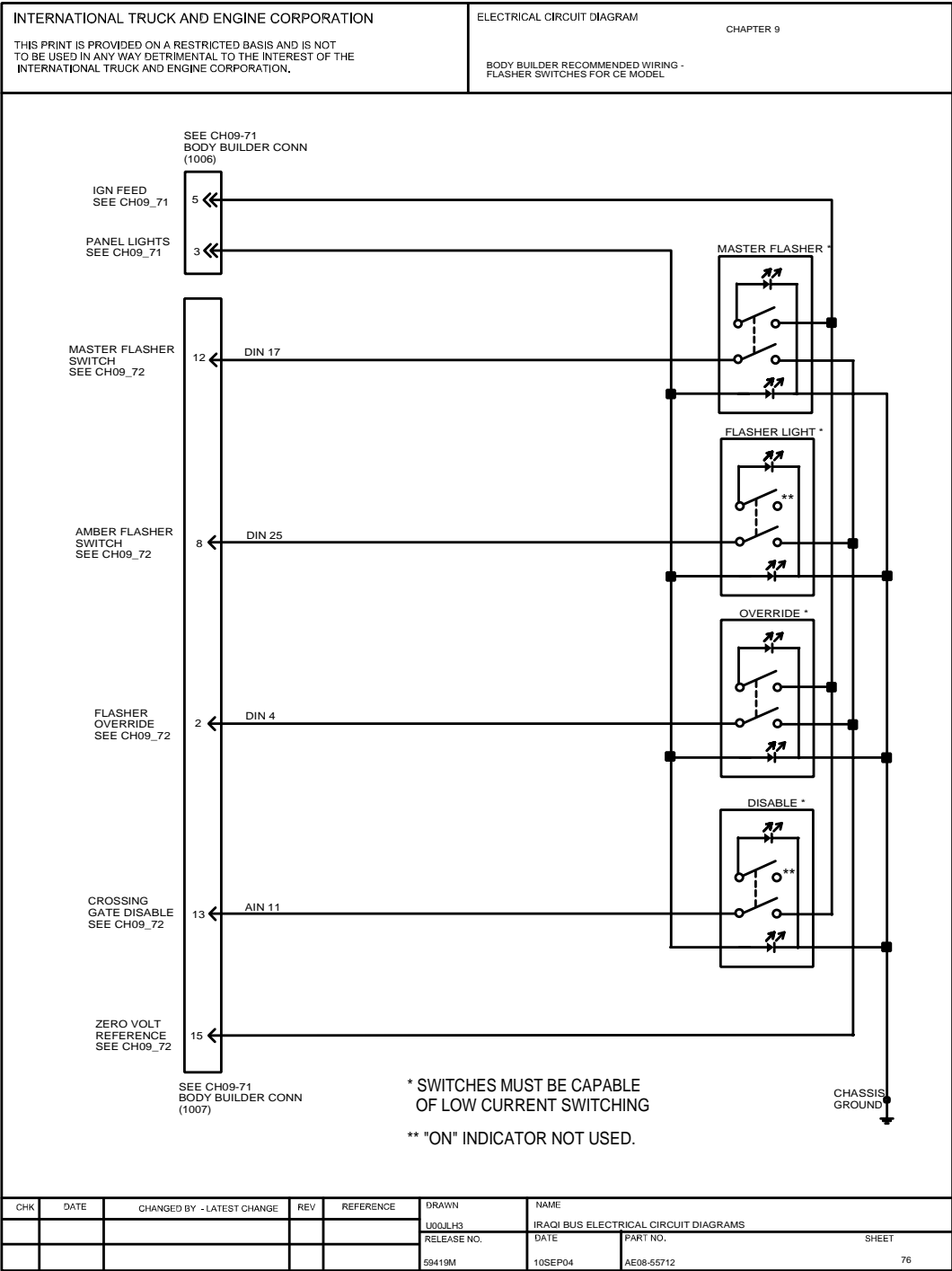


Figure 51 Flasher Switches

9.7. PARK BRAKE STATUS, P. 77

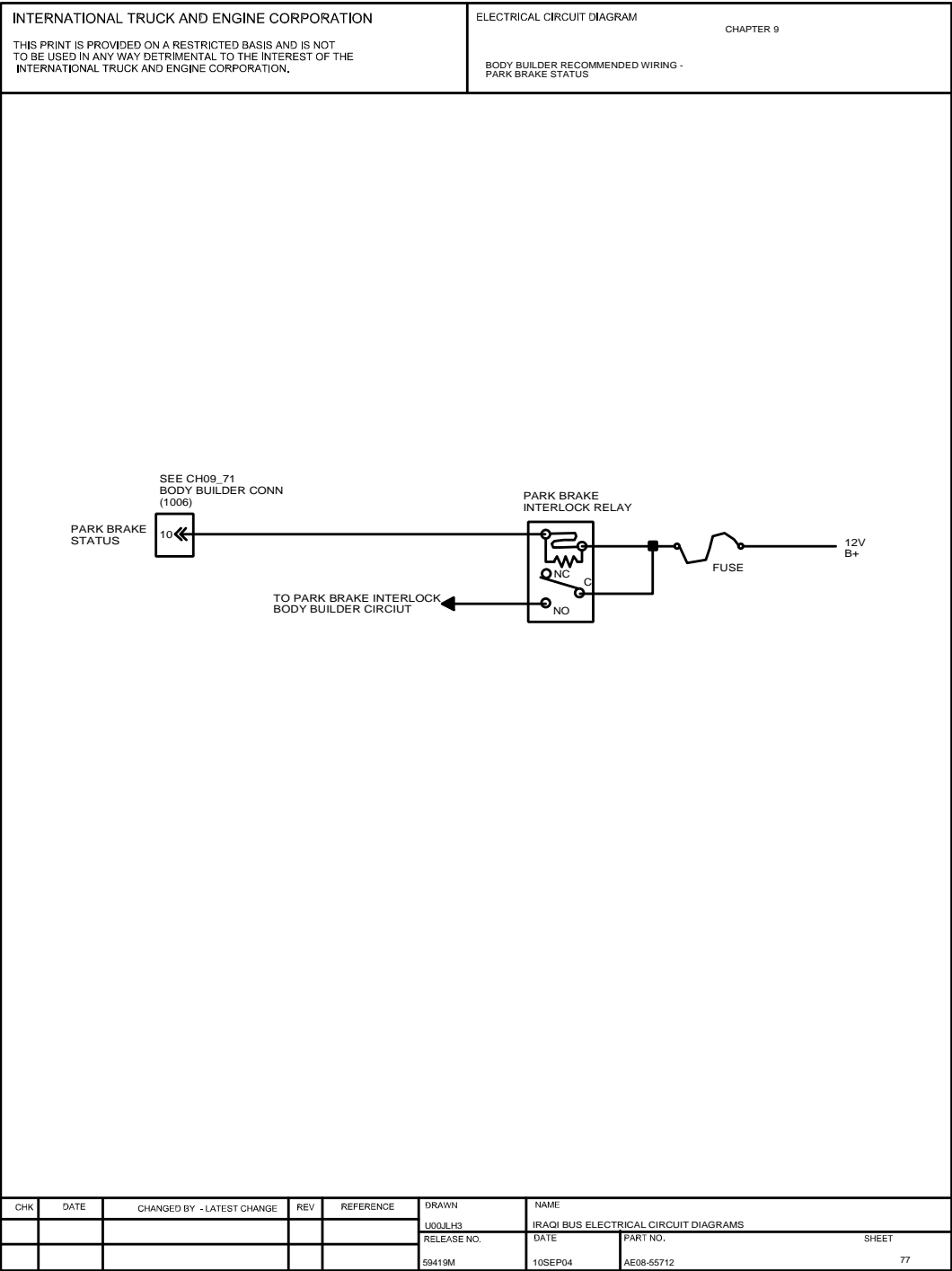


Figure 52 Park Brake Status

9.8. DUAL WIPER MOTORS FOR PT / MEXICO AND EXPORT MODELS, P. 78

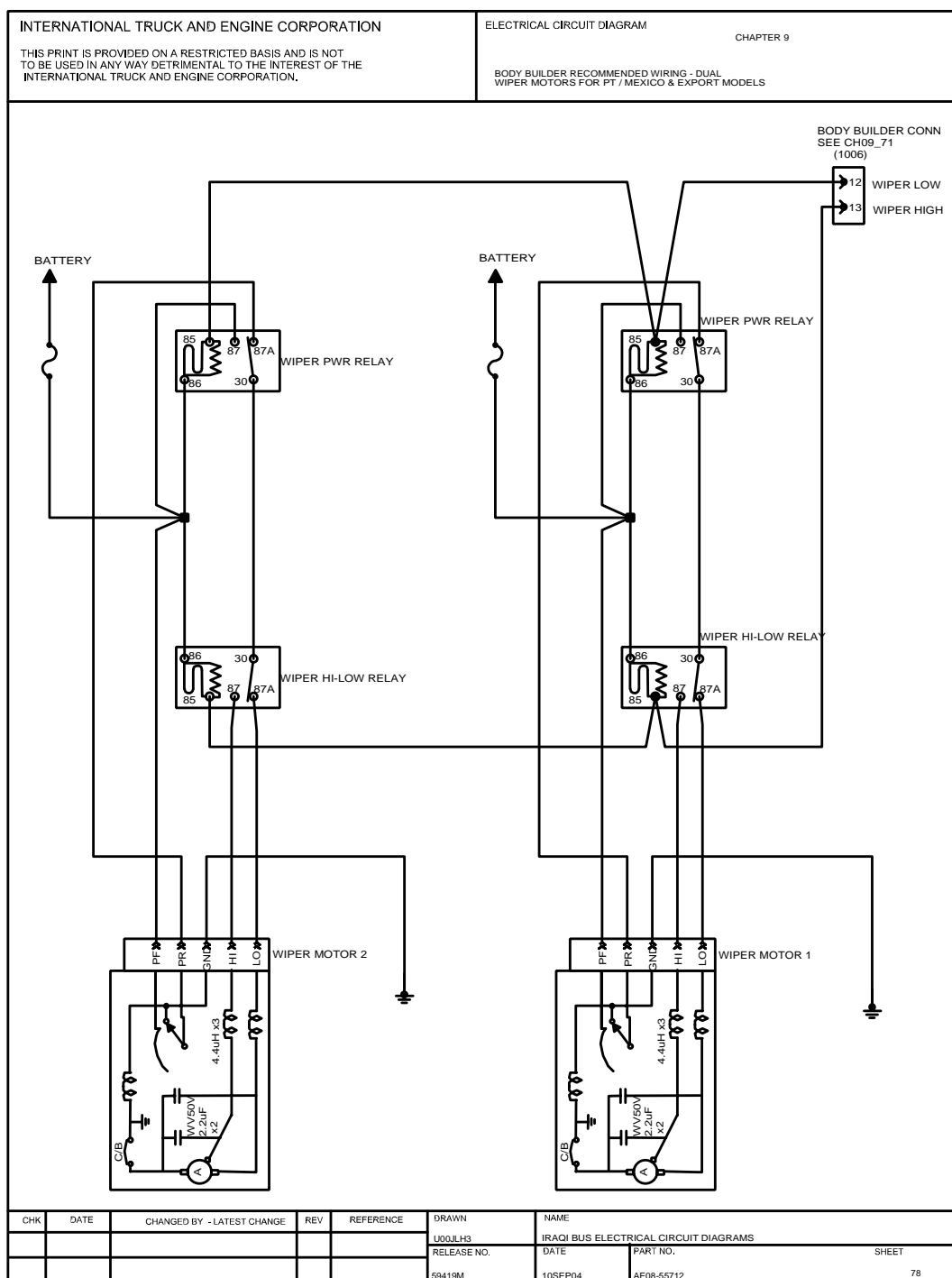


Figure 53 Dual Wiper Motors for PT / Mexico and Export Models

9.9. CE BUS REDUNDANT DOOR CONTROLS, P. 79

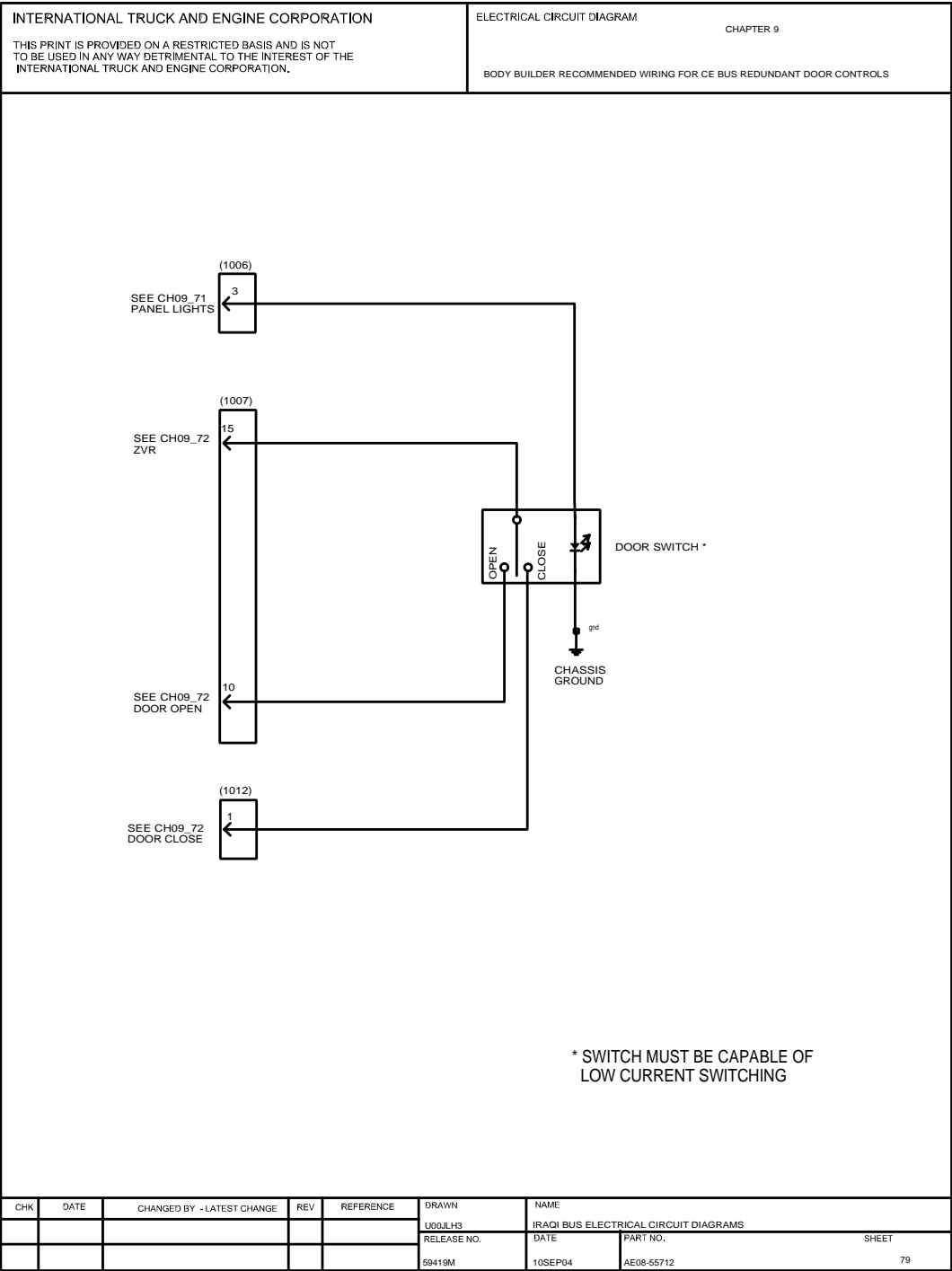


Figure 54 CE Bus Redundant Door Controls

9.10. MANUAL DOOR FOR CE BUS, P. 80

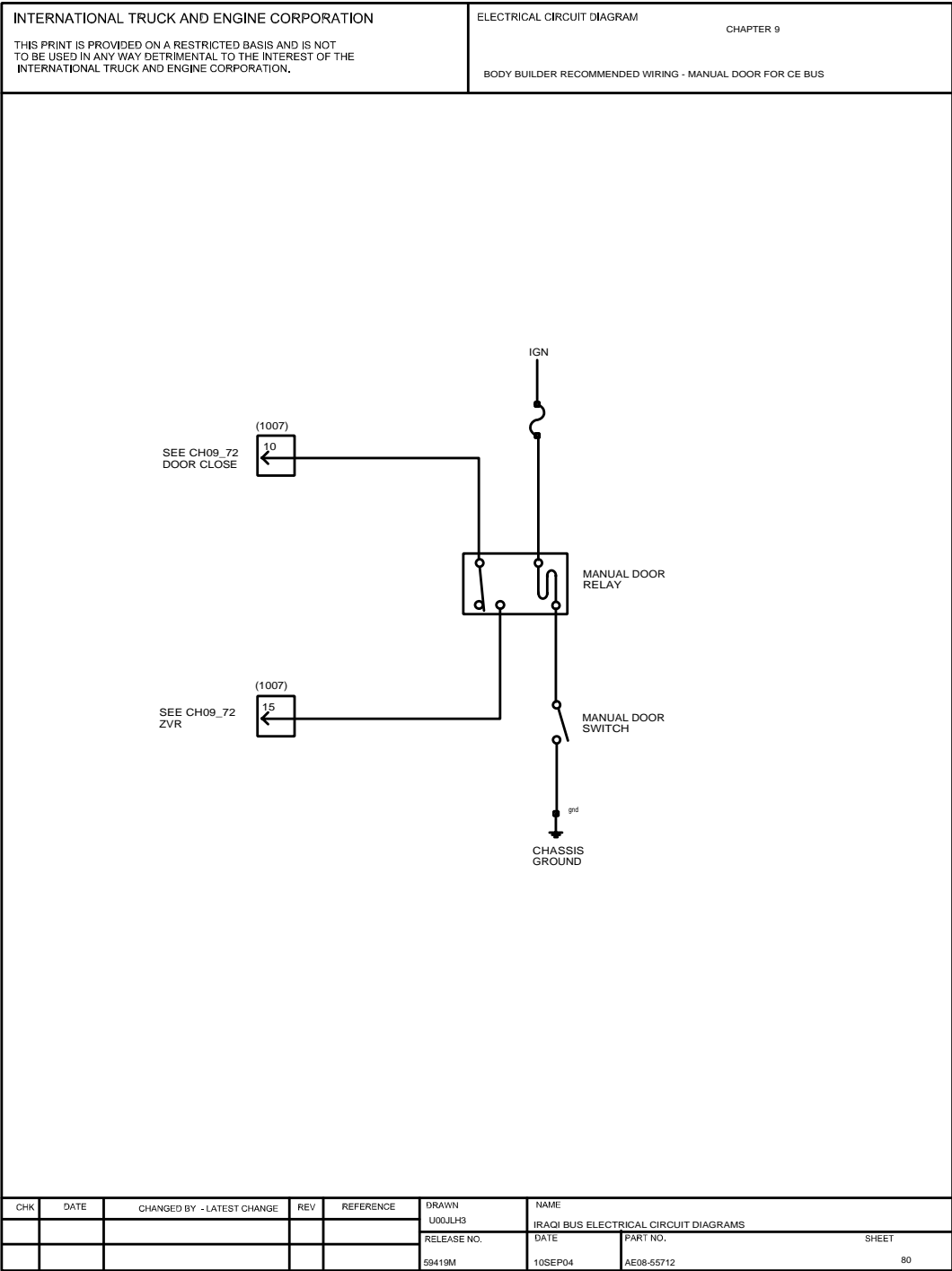


Figure 55 Manual Door for CE Bus

10. CONNECTOR COMPOSITES (CHAPTER 10)

10.1. CONNECTOR COMPOSITES (701), (702), (1002), (1003), (1004), (1005), P. 85

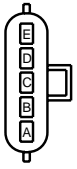
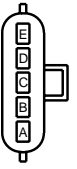
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LEFT TAIL/STOP/TURN LIGHT (701) (LOCATED AT REAR FRAME RAIL)  <div style="margin-left: 200px;"> CONNECTOR: 1661375C2 BODY LOCK: 1661376C1 PLUG: 0587579C1 </div> <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr> <th>CAV</th> <th>CIR</th> <th>GAUGE</th> <th>COLOR</th> <th>TERM</th> <th>SEAL</th> </tr> </thead> <tbody> <tr><td>A</td><td>BLUE</td><td>14</td><td>LTBL</td><td>2033816C1</td><td>0589391C1</td></tr> <tr><td>B</td><td>BROWN</td><td>14</td><td>BN</td><td>2033816C1</td><td>0589391C1</td></tr> <tr><td>C</td><td>GREEN</td><td>14</td><td>LTGN</td><td>2033816C1</td><td>0589391C1</td></tr> <tr><td>D</td><td>PLUG</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>E</td><td>71-G</td><td>14</td><td>WH</td><td>2033816C1</td><td>0589391C1</td></tr> </tbody> </table>				CAV	CIR	GAUGE	COLOR	TERM	SEAL	A	BLUE	14	LTBL	2033816C1	0589391C1	B	BROWN	14	BN	2033816C1	0589391C1	C	GREEN	14	LTGN	2033816C1	0589391C1	D	PLUG	-	-	-	-	E	71-G	14	WH	2033816C1	0589391C1	RIGHT TAIL/STOP/TURN LIGHT (702) (LOCATED AT REAR FRAME RAIL)  <div style="margin-left: 200px;"> CONNECTOR: 1661375C2 BODY LOCK: 1661376C1 PLUG: 0587579C1 </div> <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr> <th>CAV</th> <th>CIR</th> <th>GAUGE</th> <th>COLOR</th> <th>TERM</th> <th>SEAL</th> </tr> </thead> <tbody> <tr><td>A</td><td>BLUE</td><td>14</td><td>LTBL</td><td>2033816C1</td><td>0589391C1</td></tr> <tr><td>B</td><td>BROWN</td><td>14</td><td>BN</td><td>2033816C1</td><td>0589391C1</td></tr> <tr><td>C</td><td>GREEN</td><td>14</td><td>LTGN</td><td>2033816C1</td><td>0589391C1</td></tr> <tr><td>D</td><td>71</td><td>14</td><td>OR</td><td>2033816C1</td><td>0589391C1</td></tr> <tr><td>E</td><td>WHITE</td><td>14</td><td>WH</td><td>2033816C1</td><td>0589391C1</td></tr> </tbody> </table>				CAV	CIR	GAUGE	COLOR	TERM	SEAL	A	BLUE	14	LTBL	2033816C1	0589391C1	B	BROWN	14	BN	2033816C1	0589391C1	C	GREEN	14	LTGN	2033816C1	0589391C1	D	71	14	OR	2033816C1	0589391C1	E	WHITE	14	WH	2033816C1	0589391C1																																																
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PANEL LIGHT SPLICE CONN (1002) (LOCATED LEFT SIDE INSTRUMENT PANEL) CONNECTOR: 2007315C1 BUS BAR: 2007217C1 BODY LOCK: 2007316C1 COVER: 2010558C1 PLUG: N/A				GROUND SPLICE CONN (1003) (LOCATED LEFT SIDE INSTRUMENT PANEL) CONNECTOR: 2007315C1 BUS BAR: 2007217C1 BODY LOCK: 2007316C1 COVER: 2010558C1 PLUG: N/A																																																																																																																											
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GROUND SPLICE CONN (1004) (LOCATED RIGHT SIDE INSTRUMENT PANEL) CONNECTOR: 2007315C1 BUS BAR: 2007217C1 BODY LOCK: 2007316C1 COVER: 2010558C1 PLUG: N/A				ZERO VOLT REF SPLICE CONN (1005) (LOCATED RIGHT SIDE INSTRUMENT PANEL) CONNECTOR: 2007315C1 BUS BAR: 2007217C1 BODY LOCK: 2007316C1 COVER: 2010558C1 PLUG: N/A <div style="margin-left: 20px;"> KEY: * = MUTUALLY EXCLUSIVE </div>																																																																																																																											
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F	A9BA	18	GY	1661208C1																																																																																																																											
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Figure 56 Connector Composites (701), (702), (1002), (1003), (1004), (1005)

10.2. CONNECTOR COMPOSITES (1006), (1007), (1008F), (1008M), (1009), (1010), (1012), P. 86

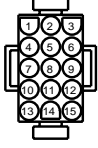
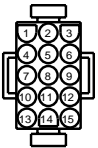


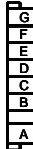
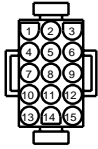

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Figure 57 Connector Composites (1006), (1007), (1008F), (1008M), (1009), (1010), (1012)

10.3. CONNECTOR COMPOSITE (1011), P. 87

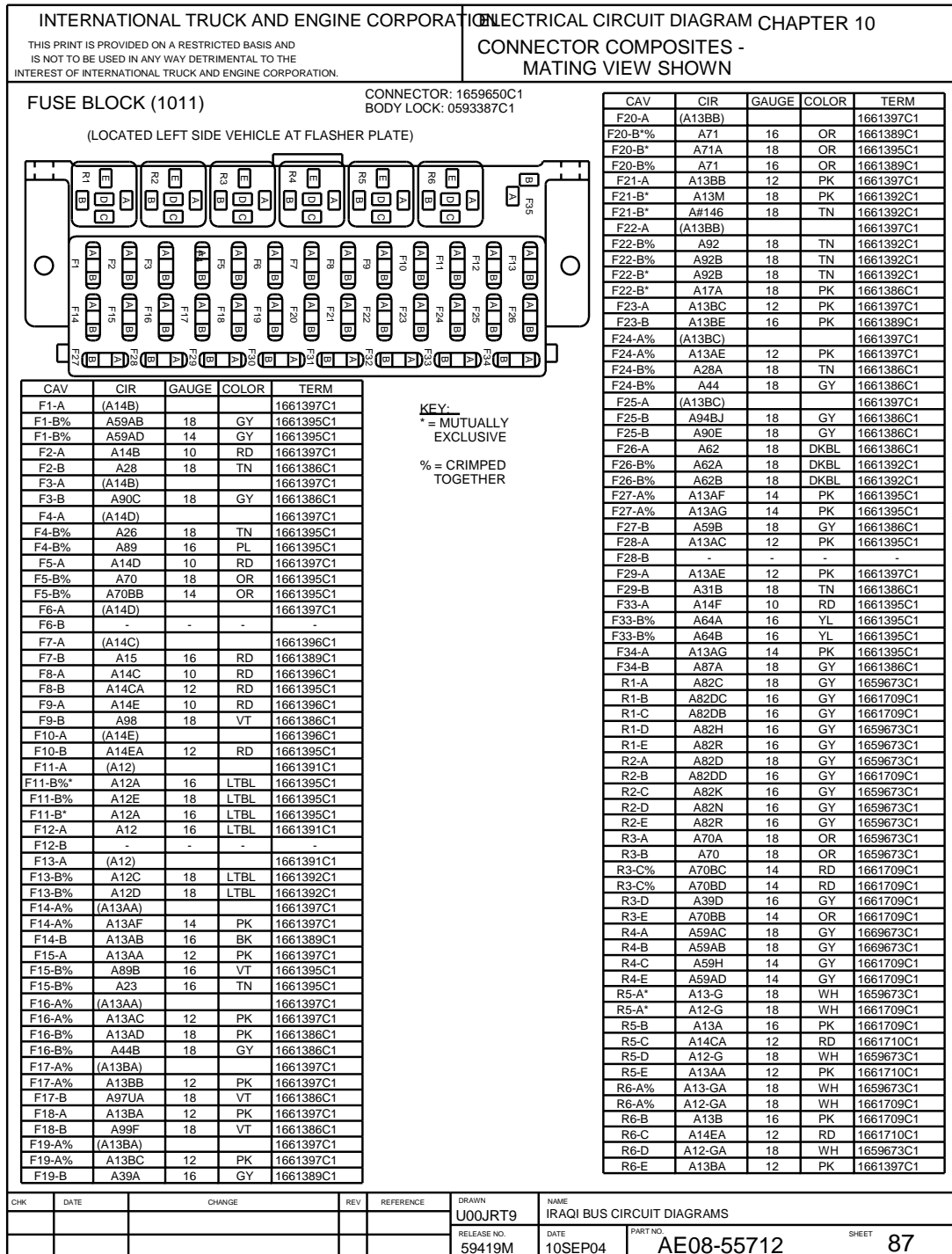


Figure 58 Connector Composite (1011)

10.4. CONNECTOR COMPOSITE (1011) FUSE / CIRCUIT BREAKER CHART, P. 88

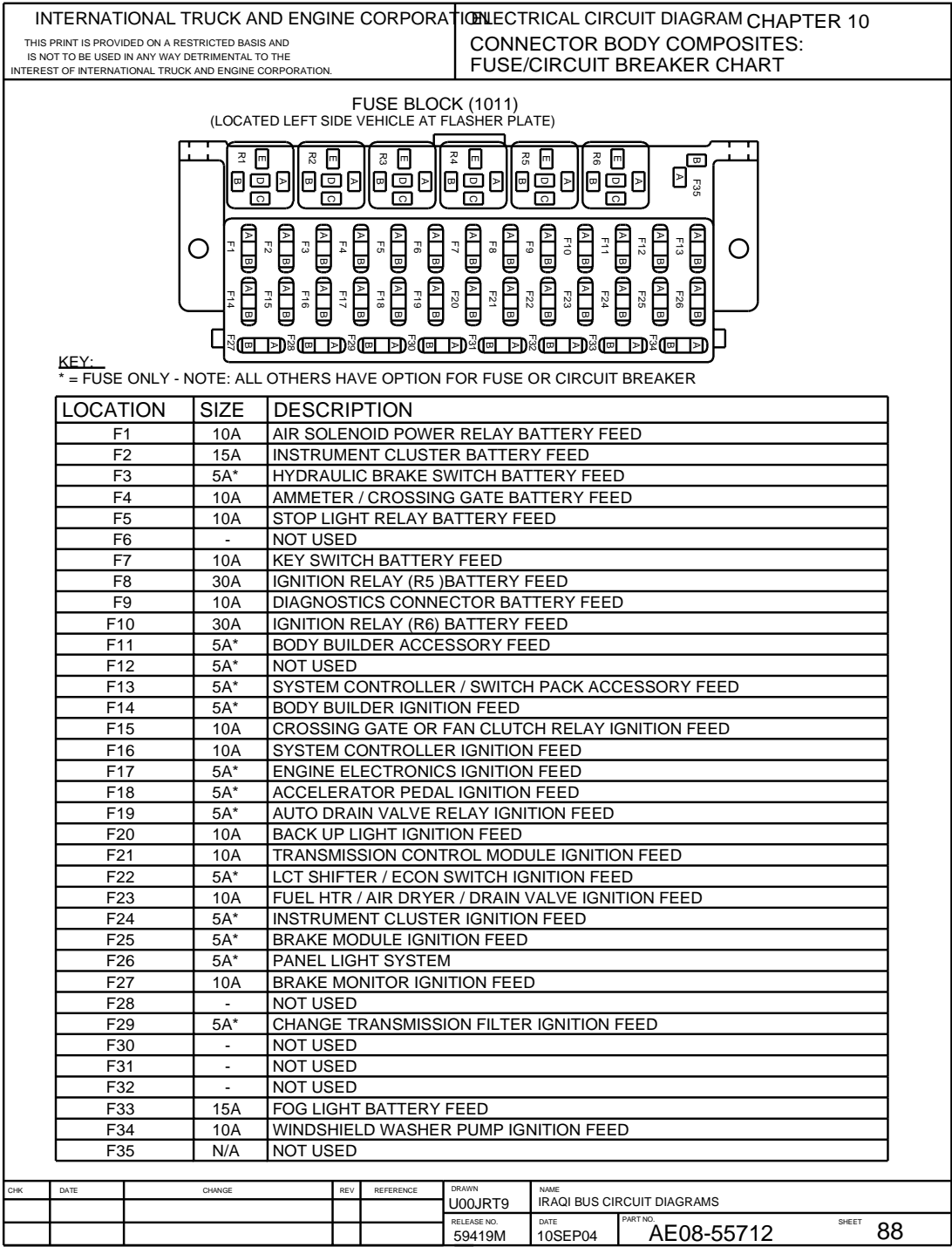


Figure 59 Connector Composite (1011) Fuse / Circuit Breaker Chart

10.5. CONNECTOR COMPOSITE (1011) FUSE BLOCK CONNECTIONS, P. 89

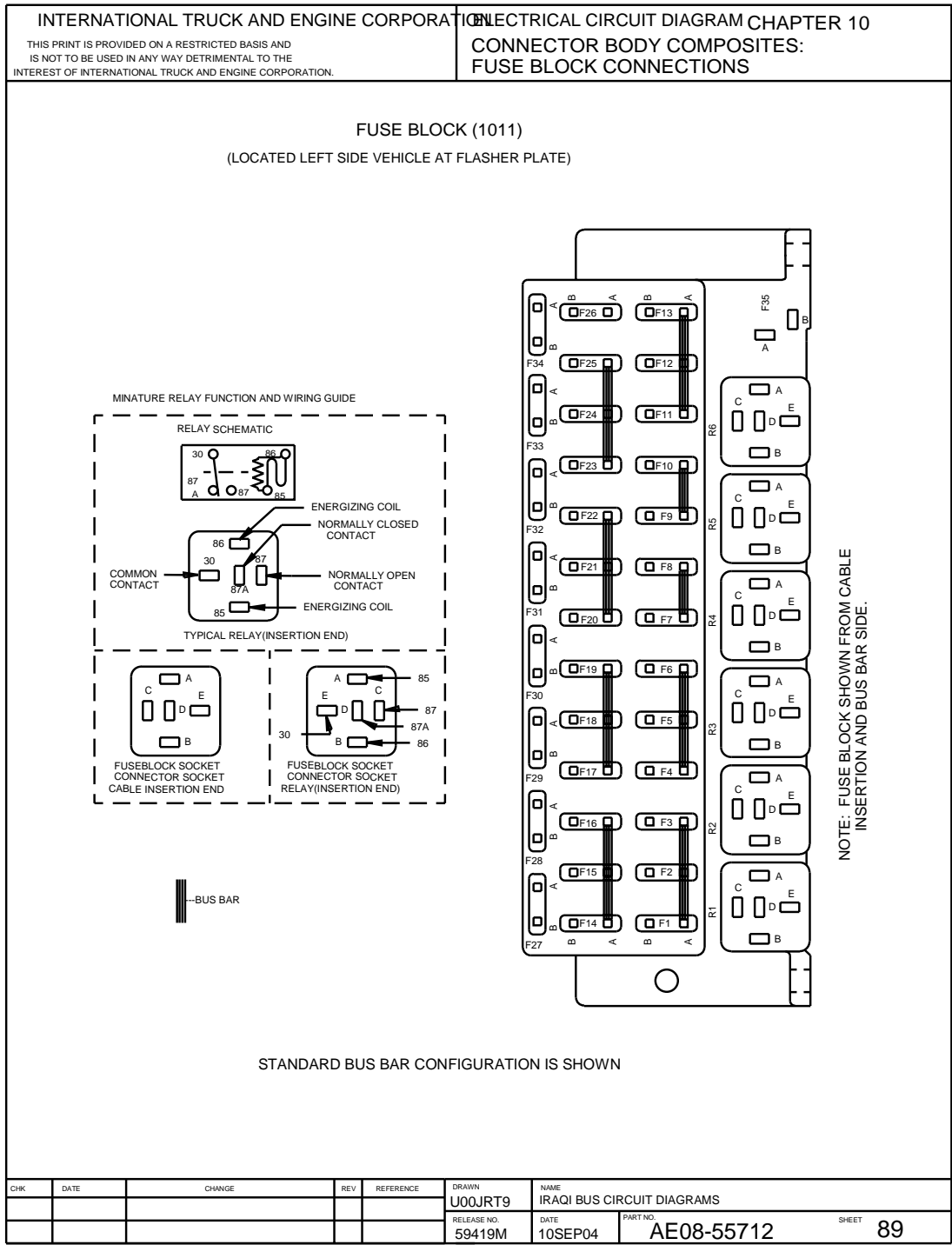


Figure 60 Connector Composite (1011) Fuse Block Connections

10.6. CONNECTOR COMPOSITES (1015), (1016), (1017), (1018), (1019), (1020), (1021), P. 90

INTERNATIONAL TRUCK AND ENGINE CORPORATION <small>THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF INTERNATIONAL TRUCK AND ENGINE CORPORATION.</small>				ELECTRICAL CIRCUIT DIAGRAM CHAPTER 10 CONNECTOR COMPOSITES - MATING VIEW SHOWN																																																																									
BACK UP LIGHT RELAY (1015) (LOCATED LEFT SIDE VEHICLE AT FLASHER PLATE) CONNECTOR: 2028683C1 BODY LOCK: 2028684C1 PLUG: N/A CLAMP: 0435265C1 <div style="display: flex; align-items: center; margin-top: 10px;"> <table border="1" style="margin-left: 10px; font-size: 8px;"> <thead> <tr> <th>CAV</th> <th>CIR</th> <th>GAUGE</th> <th>COLOR</th> <th>TERM</th> </tr> </thead> <tbody> <tr><td>1</td><td>A#113</td><td>18</td><td>OR</td><td>2025418C1</td></tr> <tr><td>2*</td><td>A71B</td><td>16</td><td>OR</td><td>2025418C1</td></tr> <tr><td>3*</td><td>A71</td><td>16</td><td>OR</td><td>1661709C1</td></tr> <tr><td>3*</td><td>A71B</td><td>16</td><td>OR</td><td>1661710C1</td></tr> <tr><td>4</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>5</td><td>A71BB</td><td>16</td><td>LT BL</td><td>2018946C1</td></tr> </tbody> </table> </div>				CAV	CIR	GAUGE	COLOR	TERM	1	A#113	18	OR	2025418C1	2*	A71B	16	OR	2025418C1	3*	A71	16	OR	1661709C1	3*	A71B	16	OR	1661710C1	4	-	-	-	-	5	A71BB	16	LT BL	2018946C1	BACK-UP LIGHT CHECK RELAY (1016) (LOCATED LEFT SIDE VEHICLE AT FLASHER PLATE) CONNECTOR: 2028683C1 BODY LOCK: 2028684C1 PLUG: N/A CLAMP: 0435265C1 <div style="display: flex; align-items: center; margin-top: 10px;"> <table border="1" style="margin-left: 10px; font-size: 8px;"> <thead> <tr> <th>CAV</th> <th>CIR</th> <th>GAUGE</th> <th>COLOR</th> <th>TERM</th> </tr> </thead> <tbody> <tr><td>1</td><td>A71A</td><td>18</td><td>OR</td><td>3519441C1</td></tr> <tr><td>1</td><td>A71E</td><td>18</td><td>OR</td><td>3519441C1</td></tr> <tr><td>2</td><td>A71C</td><td>18</td><td>OR</td><td>2025418C1</td></tr> <tr><td>3</td><td>A71D</td><td>16</td><td>LTBL</td><td>1661709C1</td></tr> <tr><td>4</td><td>A71F</td><td>16</td><td>OR</td><td>2025418C1</td></tr> <tr><td>5</td><td>A71E</td><td>18</td><td>OR</td><td>1659673C1</td></tr> </tbody> </table> </div>				CAV	CIR	GAUGE	COLOR	TERM	1	A71A	18	OR	3519441C1	1	A71E	18	OR	3519441C1	2	A71C	18	OR	2025418C1	3	A71D	16	LTBL	1661709C1	4	A71F	16	OR	2025418C1	5	A71E	18	OR	1659673C1
CAV	CIR	GAUGE	COLOR	TERM																																																																									
1	A#113	18	OR	2025418C1																																																																									
2*	A71B	16	OR	2025418C1																																																																									
3*	A71	16	OR	1661709C1																																																																									
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4	-	-	-	-																																																																									
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CAV	CIR	GAUGE	COLOR	TERM																																																																									
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2	A71C	18	OR	2025418C1																																																																									
3	A71D	16	LTBL	1661709C1																																																																									
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5	A71E	18	OR	1659673C1																																																																									
FOG LIGHT RELAY (1017) (LOCATED LEFT SIDE VEHICLE AT FLASHER PLATE) CONNECTOR: 2028683C1 BODY LOCK: 2028684C1 PLUG: N/A CLAMP: 0435265C1 <div style="display: flex; align-items: center; margin-top: 10px;"> <table border="1" style="margin-left: 10px; font-size: 8px;"> <thead> <tr> <th>CAV</th> <th>CIR</th> <th>GAUGE</th> <th>COLOR</th> <th>TERM</th> </tr> </thead> <tbody> <tr><td>1</td><td>A64A</td><td>16</td><td>YL</td><td>2025418C1</td></tr> <tr><td>2</td><td>A64C</td><td>18</td><td>YL</td><td>2025418C1</td></tr> <tr><td>3</td><td>A64B</td><td>16</td><td>YL</td><td>2018946C1</td></tr> <tr><td>4</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>5</td><td>A64</td><td>12</td><td>YL</td><td>2022374C1</td></tr> </tbody> </table> </div>				CAV	CIR	GAUGE	COLOR	TERM	1	A64A	16	YL	2025418C1	2	A64C	18	YL	2025418C1	3	A64B	16	YL	2018946C1	4	-	-	-	-	5	A64	12	YL	2022374C1	AUTO DRAIN VALVE RELAY (1018) (LOCATED LEFT SIDE VEHICLE AT FLASHER PLATE) CONNECTOR: 2028683C1 BODY LOCK: 2028684C1 PLUG: N/A CLAMP: 0435265C1 <div style="display: flex; align-items: center; margin-top: 10px;"> <table border="1" style="margin-left: 10px; font-size: 8px;"> <thead> <tr> <th>CAV</th> <th>CIR</th> <th>GAUGE</th> <th>COLOR</th> <th>TERM</th> </tr> </thead> <tbody> <tr><td>1</td><td>A39C</td><td>16</td><td>GY</td><td>2025418C1</td></tr> <tr><td>2</td><td>A39A</td><td>16</td><td>GY</td><td>2025418C1</td></tr> <tr><td>3</td><td>A39D</td><td>16</td><td>GY</td><td>2018946C1</td></tr> <tr><td>4</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>5</td><td>A39B</td><td>16</td><td>GY</td><td>2018946C1</td></tr> </tbody> </table> </div>				CAV	CIR	GAUGE	COLOR	TERM	1	A39C	16	GY	2025418C1	2	A39A	16	GY	2025418C1	3	A39D	16	GY	2018946C1	4	-	-	-	-	5	A39B	16	GY	2018946C1										
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5	A39B	16	GY	2018946C1																																																																									
WHEELCHAIR LIFT RELAY (1019) (LOCATED LEFT SIDE VEHICLE AT FLASHER PLATE) CONNECTOR: 2028683C1 BODY LOCK: 2028684C1 PLUG: N/A CLAMP: 0435265C1 <div style="display: flex; align-items: center; margin-top: 10px;"> <table border="1" style="margin-left: 10px; font-size: 8px;"> <thead> <tr> <th>CAV</th> <th>CIR</th> <th>GAUGE</th> <th>COLOR</th> <th>TERM</th> </tr> </thead> <tbody> <tr><td>1</td><td>A89CD</td><td>18</td><td>VT</td><td>2025418C1</td></tr> <tr><td>2</td><td>A89CB</td><td>18</td><td>VT</td><td>2025418C1</td></tr> <tr><td>3</td><td>A89CC</td><td>18</td><td>PL</td><td>1659673C1</td></tr> <tr><td>4</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>5</td><td>A9CA</td><td>18</td><td>GY</td><td>1659673C1</td></tr> </tbody> </table> </div>				CAV	CIR	GAUGE	COLOR	TERM	1	A89CD	18	VT	2025418C1	2	A89CB	18	VT	2025418C1	3	A89CC	18	PL	1659673C1	4	-	-	-	-	5	A9CA	18	GY	1659673C1	EMERGENCY EXIT RELAY (1020) (LOCATED LEFT SIDE VEHICLE AT FLASHER PLATE) CONNECTOR: 2028683C1 BODY LOCK: 2028684C1 PLUG: N/A CLAMP: 0435265C1 <div style="display: flex; align-items: center; margin-top: 10px;"> <table border="1" style="margin-left: 10px; font-size: 8px;"> <thead> <tr> <th>CAV</th> <th>CIR</th> <th>GAUGE</th> <th>COLOR</th> <th>TERM</th> </tr> </thead> <tbody> <tr><td>1</td><td>A89FD</td><td>18</td><td>VT</td><td>2025418C1</td></tr> <tr><td>2%</td><td>A89DB</td><td>18</td><td>VT</td><td>3519441C1</td></tr> <tr><td>2%</td><td>A89FB</td><td>18</td><td>VT</td><td>3519441C1</td></tr> <tr><td>2*</td><td>A89FB</td><td>18</td><td>VT</td><td>3519441C1</td></tr> <tr><td>3</td><td>A89FF</td><td>18</td><td>PL</td><td>1659673C1</td></tr> <tr><td>4</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>5</td><td>A9FA</td><td>18</td><td>GY</td><td>1659673C1</td></tr> </tbody> </table> </div>				CAV	CIR	GAUGE	COLOR	TERM	1	A89FD	18	VT	2025418C1	2%	A89DB	18	VT	3519441C1	2%	A89FB	18	VT	3519441C1	2*	A89FB	18	VT	3519441C1	3	A89FF	18	PL	1659673C1	4	-	-	-	-	5	A9FA	18	GY	1659673C1
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POST TRIP INSPECTION RELAY (1021) (LOCATED LEFT SIDE VEHICLE AT FLASHER PLATE) CONNECTOR: 2028683C1 BODY LOCK: 2028684C1 PLUG: N/A CLAMP: 0435265C1 <div style="display: flex; align-items: center; margin-top: 10px;"> <table border="1" style="margin-left: 10px; font-size: 8px;"> <thead> <tr> <th>CAV</th> <th>CIR</th> <th>GAUGE</th> <th>COLOR</th> <th>TERM</th> </tr> </thead> <tbody> <tr><td>1</td><td>A89BD</td><td>18</td><td>VT</td><td>2025418C1</td></tr> <tr><td>2%</td><td>A89BC</td><td>18</td><td>VT</td><td>3519441C1</td></tr> <tr><td>2%</td><td>A89DA</td><td>18</td><td>VT</td><td>3519441C1</td></tr> <tr><td>3</td><td>A89BB</td><td>18</td><td>PL</td><td>1659673C1</td></tr> <tr><td>4</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>5</td><td>A9BA</td><td>18</td><td>GY</td><td>1659673C1</td></tr> </tbody> </table> </div>				CAV	CIR	GAUGE	COLOR	TERM	1	A89BD	18	VT	2025418C1	2%	A89BC	18	VT	3519441C1	2%	A89DA	18	VT	3519441C1	3	A89BB	18	PL	1659673C1	4	-	-	-	-	5	A9BA	18	GY	1659673C1																																							
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5	A9BA	18	GY	1659673C1																																																																									

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN U00JRT9	NAME IRAQI BUS CIRCUIT DIAGRAMS
					RELEASE NO. 59419M	DATE 10SEP04
					PART NO. AE08-55712	SHEET 90

Figure 61 Connector Composites (1015), (1016), (1017), (1018), (1019), (1020), (1021)

10.7. CONNECTOR COMPOSITES (1100), (1101), (1104), (1105), (1106), (1107), (1107F), (1108), P. 91

INTERNATIONAL TRUCK AND ENGINE CORPORATION				ELECTRICAL CIRCUIT DIAGRAM CHAPTER 10																																																															
<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 INTERNATIONAL TRUCK AND ENGINE CORPORATION.</p>				<p style="text-align: center;">CONNECTOR COMPOSITES - MATING VIEW SHOWN</p>																																																															
<p style="text-align: center;">KEY SWITCH (1100) (LOCATED AT INSTRUMENT WING PANEL)</p> <div style="display: flex; align-items: center;"> <div> <p>CONNECTOR: 3546518C1 BODY LOCK: 3546519C1 PLUG: N/A</p> <table border="1" style="font-size: x-small; border-collapse: collapse;"> <thead> <tr> <th>CAV</th> <th>CIR</th> <th>GAUGE</th> <th>COLOR</th> <th>TERM</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>16</td><td>PK</td><td>1661209C1</td></tr> <tr><td>C</td><td>A12</td><td>16</td><td>LT BL</td><td>1661209C1</td></tr> <tr><td>D</td><td>A13AN</td><td>16</td><td>PK</td><td>1661209C1</td></tr> </tbody> </table> </div> </div>				CAV	CIR	GAUGE	COLOR	TERM	A	A15	16	RD	1661209C1	B	A17	16	PK	1661209C1	C	A12	16	LT BL	1661209C1	D	A13AN	16	PK	1661209C1	<p style="text-align: center;">SWITCH PACK, UPPER ADDRESS (1101) (LOCATED AT INSTRUMENT WING PANEL)</p> <div style="display: flex; align-items: center;"> <div> <p>CONNECTOR: 2031871C1 BODY LOCK: 2031873C1 PLUG: N/A</p> <table border="1" style="font-size: x-small; border-collapse: collapse;"> <thead> <tr> <th>CAV</th> <th>CIR</th> <th>GAUGE</th> <th>COLOR</th> <th>TERM</th> </tr> </thead> <tbody> <tr><td>A</td><td>A11-GC</td><td>18</td><td>WH</td><td>1661261C1</td></tr> <tr><td>B</td><td>A12C</td><td>18</td><td>LT BL</td><td>1661261C1</td></tr> <tr><td>C</td><td>A62E</td><td>18</td><td>DK BL</td><td>1661261C1</td></tr> <tr><td>D</td><td>A3E(+)</td><td>18</td><td>DK BL</td><td>1661261C1</td></tr> <tr><td>E</td><td>A3F(-)</td><td>18</td><td>GY</td><td>1661261C1</td></tr> <tr><td>F</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> </tbody> </table> </div> </div>				CAV	CIR	GAUGE	COLOR	TERM	A	A11-GC	18	WH	1661261C1	B	A12C	18	LT BL	1661261C1	C	A62E	18	DK BL	1661261C1	D	A3E(+)	18	DK BL	1661261C1	E	A3F(-)	18	GY	1661261C1	F	-	-	-	-
CAV	CIR	GAUGE	COLOR	TERM																																																															
A	A15	16	RD	1661209C1																																																															
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C	A12	16	LT BL	1661209C1																																																															
D	A13AN	16	PK	1661209C1																																																															
CAV	CIR	GAUGE	COLOR	TERM																																																															
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B	A12C	18	LT BL	1661261C1																																																															
C	A62E	18	DK BL	1661261C1																																																															
D	A3E(+)	18	DK BL	1661261C1																																																															
E	A3F(-)	18	GY	1661261C1																																																															
F	-	-	-	-																																																															
<p style="text-align: center;">AIR PARK BRAKE PRESS SWITCH (1104) (LOCATED AT INSTRUMENT WING PANEL)</p> <div style="display: flex; align-items: center;"> <div> <p>CONNECTOR: 1661777C1 BODY LOCK: 1661873C1 PLUG: 2025431C1</p> <table border="1" style="font-size: x-small; border-collapse: collapse;"> <thead> <tr> <th>CAV</th> <th>CIR</th> <th>GAUGE</th> <th>COLOR</th> <th>TERM</th> <th>SEAL</th> </tr> </thead> <tbody> <tr><td>C</td><td>A44BB</td><td>18</td><td>GY</td><td>1661875C1</td><td>3568570C1</td></tr> <tr><td>D</td><td>A9B</td><td>18</td><td>GY</td><td>1661875C1</td><td>1661872C1</td></tr> </tbody> </table> </div> </div>				CAV	CIR	GAUGE	COLOR	TERM	SEAL	C	A44BB	18	GY	1661875C1	3568570C1	D	A9B	18	GY	1661875C1	1661872C1	<p style="text-align: center;">HYD PARK BRAKE SWITCH (1105) (LOCATED AT INSTRUMENT WING PANEL)</p> <div style="display: flex; align-items: center;"> <div> <p>CONNECTOR: 1661259C1 BODY LOCK: 1661263C1 PLUG: N/A</p> <table border="1" style="font-size: x-small; border-collapse: collapse;"> <thead> <tr> <th>CAV</th> <th>CIR</th> <th>GAUGE</th> <th>COLOR</th> <th>TERM</th> </tr> </thead> <tbody> <tr><td>A</td><td>A44AA</td><td>18</td><td>GY</td><td>1661261C1</td></tr> <tr><td>B</td><td>A90B-G</td><td>18</td><td>WH</td><td>1661261C1</td></tr> </tbody> </table> </div> </div>				CAV	CIR	GAUGE	COLOR	TERM	A	A44AA	18	GY	1661261C1	B	A90B-G	18	WH	1661261C1																											
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B	A90B-G	18	WH	1661261C1																																																															
<p style="text-align: center;">ECON SWITCH (1106) (LOCATED AT INSTRUMENT CLUSTER)</p> <div style="display: flex; align-items: center;"> <div> <p>CONNECTOR: 3520850C1 BODY LOCK: N/A PLUG: N/A</p> <table border="1" style="font-size: x-small; border-collapse: collapse;"> <thead> <tr> <th>CAV</th> <th>CIR</th> <th>GAUGE</th> <th>COLOR</th> <th>TERM</th> </tr> </thead> <tbody> <tr><td>2B</td><td>A#110</td><td>18</td><td>TN</td><td>1661224C1</td></tr> <tr><td>3</td><td>A#128</td><td>18</td><td>TN</td><td>1661224C1</td></tr> <tr><td>5B</td><td>A92B</td><td>18</td><td>TN</td><td>1661224C1</td></tr> <tr><td>8</td><td>A62D</td><td>18</td><td>DK BL</td><td>1661224C1</td></tr> <tr><td>10</td><td>A62-GD</td><td>18</td><td>WH</td><td>1661224C1</td></tr> </tbody> </table> </div> </div>				CAV	CIR	GAUGE	COLOR	TERM	2B	A#110	18	TN	1661224C1	3	A#128	18	TN	1661224C1	5B	A92B	18	TN	1661224C1	8	A62D	18	DK BL	1661224C1	10	A62-GD	18	WH	1661224C1	<p style="text-align: center;">CABLE PARK BRAKE INTERCONNECT (1107) (LOCATED AT ABOVE ACCELERATOR PEDAL)</p> <div style="display: flex; align-items: center;"> <div> <p>CONNECTOR: 1661259C1 BODY LOCK: 1661263C1 PLUG: N/A</p> <table border="1" style="font-size: x-small; border-collapse: collapse;"> <thead> <tr> <th>CAV</th> <th>CIR</th> <th>GAUGE</th> <th>COLOR</th> <th>TERM</th> </tr> </thead> <tbody> <tr><td>A</td><td>A9K</td><td>18</td><td>GY</td><td>1661261C1</td></tr> <tr><td>B</td><td>A44CC</td><td>18</td><td>GY</td><td>1661261C1</td></tr> </tbody> </table> </div> </div>				CAV	CIR	GAUGE	COLOR	TERM	A	A9K	18	GY	1661261C1	B	A44CC	18	GY	1661261C1															
CAV	CIR	GAUGE	COLOR	TERM																																																															
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8	A62D	18	DK BL	1661224C1																																																															
10	A62-GD	18	WH	1661224C1																																																															
CAV	CIR	GAUGE	COLOR	TERM																																																															
A	A9K	18	GY	1661261C1																																																															
B	A44CC	18	GY	1661261C1																																																															
<p style="text-align: center;">CABLE PARK BRAKE INTERCONNECT (1107F) (LOCATED AT ABOVE ACCELERATOR PEDAL)</p> <div style="display: flex; align-items: center;"> <div> <p>CONNECTOR: 1661260C1 BODY LOCK: 1661264C1 PLUG: N/A</p> <table border="1" style="font-size: x-small; border-collapse: collapse;"> <thead> <tr> <th>CAV</th> <th>CIR</th> <th>GAUGE</th> <th>COLOR</th> <th>TERM</th> </tr> </thead> <tbody> <tr><td>A</td><td>A9L</td><td>18</td><td>BN</td><td>1661261C1</td></tr> <tr><td>B</td><td>A44DD</td><td>18</td><td>RD</td><td>1661261C1</td></tr> </tbody> </table> </div> </div>				CAV	CIR	GAUGE	COLOR	TERM	A	A9L	18	BN	1661261C1	B	A44DD	18	RD	1661261C1	<p style="text-align: center;">CABLE PARK BRAKE SWITCH (1108) (LOCATED NEAR DRIVERS SEAT)</p> <div style="display: flex; align-items: center;"> <div> <p>CONNECTOR: 1661259C1 BODY LOCK: 1661263C1 PLUG: N/A</p> <table border="1" style="font-size: x-small; border-collapse: collapse;"> <thead> <tr> <th>CAV</th> <th>CIR</th> <th>GAUGE</th> <th>COLOR</th> <th>TERM</th> </tr> </thead> <tbody> <tr><td>A</td><td>A9L</td><td>18</td><td>BN</td><td>1661261C1</td></tr> <tr><td>B</td><td>A44DD</td><td>18</td><td>RD</td><td>1661261C1</td></tr> </tbody> </table> </div> </div>				CAV	CIR	GAUGE	COLOR	TERM	A	A9L	18	BN	1661261C1	B	A44DD	18	RD	1661261C1																														
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CHK	DATE	CHANGE	REV	REFERENCE	DRAWN U00JRT9	NAME IRAQI BUS CIRCUIT DIAGRAMS																																																													
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Figure 62 Connector Composites (1100), (1101), (1104), (1105), (1106), (1107), (1107F), (1108)

10.8. CONNECTOR COMPOSITES (1400), (1401), (1402), (1403), (1404), (1500), (1501), (1555), P. 92





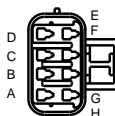
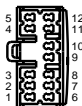


INTERNATIONAL TRUCK AND ENGINE CORPORATION <small>THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF INTERNATIONAL TRUCK AND ENGINE CORPORATION.</small>				ELECTRICAL CIRCUIT DIAGRAM CHAPTER 10 CONNECTOR COMPOSITES - MATING VIEW SHOWN																																																																																																																										
BRAKE MONITOR LEFT FRONT SENSOR (1400) (LOCATED AT INSIDE MIDDLE DASH PANEL)  <div style="margin-left: 100px;"> CONNECTOR: 1667741C1 BODY LOCK: 1667771C1 PLUG: N/A </div> <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr> <th>CAV</th> <th>CIR</th> <th>GAUGE</th> <th>COLOR</th> <th>TERM</th> <th>SEAL</th> </tr> </thead> <tbody> <tr><td>A</td><td>A59N</td><td>18</td><td>GY</td><td>1661875C1</td><td>1661872C1</td></tr> <tr><td>B</td><td>A59P</td><td>18</td><td>GY</td><td>1661875C1</td><td>1661872C1</td></tr> <tr><td>C</td><td>A59R</td><td>18</td><td>GY</td><td>1661875C1</td><td>1661872C1</td></tr> </tbody> </table>				CAV	CIR	GAUGE	COLOR	TERM	SEAL	A	A59N	18	GY	1661875C1	1661872C1	B	A59P	18	GY	1661875C1	1661872C1	C	A59R	18	GY	1661875C1	1661872C1	BRAKE MONITOR RIGHT FRONT SENSOR (1401) (LOCATED AT INSIDE MIDDLE DASH PANEL)  <div style="margin-left: 100px;"> CONNECTOR: 1667741C1 BODY LOCK: 1667771C1 PLUG: N/A </div> <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr> <th>CAV</th> <th>CIR</th> <th>GAUGE</th> <th>COLOR</th> <th>TERM</th> <th>SEAL</th> </tr> </thead> <tbody> <tr><td>A</td><td>A59S</td><td>18</td><td>GY</td><td>1661875C1</td><td>1661872C1</td></tr> <tr><td>B</td><td>A59T</td><td>18</td><td>GY</td><td>1661875C1</td><td>1661872C1</td></tr> <tr><td>C</td><td>A59U</td><td>18</td><td>GY</td><td>1661875C1</td><td>1661872C1</td></tr> </tbody> </table>				CAV	CIR	GAUGE	COLOR	TERM	SEAL	A	A59S	18	GY	1661875C1	1661872C1	B	A59T	18	GY	1661875C1	1661872C1	C	A59U	18	GY	1661875C1	1661872C1																																																																							
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BRAKE MONITOR LEFT REAR SENSOR (1402) (LOCATED AT INSIDE MIDDLE DASH PANEL)  <div style="margin-left: 100px;"> CONNECTOR: 1667741C1 BODY LOCK: 1667771C1 PLUG: N/A </div> <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr> <th>CAV</th> <th>CIR</th> <th>GAUGE</th> <th>COLOR</th> <th>TERM</th> <th>SEAL</th> </tr> </thead> <tbody> <tr><td>A</td><td>A59V</td><td>18</td><td>GY</td><td>1661875C1</td><td>1661872C1</td></tr> <tr><td>B</td><td>A59W</td><td>18</td><td>GY</td><td>1661875C1</td><td>1661872C1</td></tr> <tr><td>C</td><td>A59X</td><td>18</td><td>GY</td><td>1661875C1</td><td>1661872C1</td></tr> </tbody> </table>				CAV	CIR	GAUGE	COLOR	TERM	SEAL	A	A59V	18	GY	1661875C1	1661872C1	B	A59W	18	GY	1661875C1	1661872C1	C	A59X	18	GY	1661875C1	1661872C1	BRAKE MONITOR RIGHT REAR SENSOR (1403) (LOCATED AT INSIDE MIDDLE DASH PANEL)  <div style="margin-left: 100px;"> CONNECTOR: 1667741C1 BODY LOCK: 1667771C1 PLUG: N/A </div> <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr> <th>CAV</th> <th>CIR</th> <th>GAUGE</th> <th>COLOR</th> <th>TERM</th> <th>SEAL</th> </tr> </thead> <tbody> <tr><td>A</td><td>A59Y</td><td>18</td><td>GY</td><td>1661875C1</td><td>1661872C1</td></tr> <tr><td>B</td><td>A59Z</td><td>18</td><td>GY</td><td>1661875C1</td><td>1661872C1</td></tr> <tr><td>C</td><td>A59AA</td><td>18</td><td>GY</td><td>1661875C1</td><td>1661872C1</td></tr> </tbody> </table>				CAV	CIR	GAUGE	COLOR	TERM	SEAL	A	A59Y	18	GY	1661875C1	1661872C1	B	A59Z	18	GY	1661875C1	1661872C1	C	A59AA	18	GY	1661875C1	1661872C1																																																																							
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C	A59AA	18	GY	1661875C1	1661872C1																																																																																																																									
BRAKE MONITOR MODULE POWER INPUT (1404) (LOCATED AT INSIDE MIDDLE DASH PANEL)  <div style="margin-left: 100px;"> CONNECTOR: 3525872C1 BODY LOCK: 3525873C1 PLUG: 2025431C1 </div> <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr> <th>CAV</th> <th>CIR</th> <th>GAUGE</th> <th>COLOR</th> <th>TERM</th> <th>SEAL</th> </tr> </thead> <tbody> <tr><td>A</td><td>A59B</td><td>18</td><td>GY</td><td>1661875C1</td><td>1661872C1</td></tr> <tr><td>B</td><td>A59-G</td><td>18</td><td>WH</td><td>1661875C1</td><td>1661872C1</td></tr> <tr><td>C</td><td>PLUG</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>D</td><td>PLUG</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>E</td><td>PLUG</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>F</td><td>PLUG</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>G</td><td>PLUG</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>H</td><td>A59C</td><td>18</td><td>GY</td><td>1661875C1</td><td>1661872C1</td></tr> </tbody> </table>				CAV	CIR	GAUGE	COLOR	TERM	SEAL	A	A59B	18	GY	1661875C1	1661872C1	B	A59-G	18	WH	1661875C1	1661872C1	C	PLUG	-	-	-	-	D	PLUG	-	-	-	-	E	PLUG	-	-	-	-	F	PLUG	-	-	-	-	G	PLUG	-	-	-	-	H	A59C	18	GY	1661875C1	1661872C1	INSTRUMENT CLUSTER (1500) (LOCATED AT BACK SIDE INSTRUMENT CLUSTER)  <div style="margin-left: 100px;"> CONNECTOR: 2018590C1 BODY LOCK: N/A PLUG: N/A </div> <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr> <th>CAV</th> <th>CIR</th> <th>GAUGE</th> <th>COLOR</th> <th>TERM</th> </tr> </thead> <tbody> <tr><td>1</td><td>A62</td><td>18</td><td>DK BL</td><td>2018639C1</td></tr> <tr><td>2</td><td>A62-G</td><td>18</td><td>WH</td><td>2018639C1</td></tr> <tr><td>3</td><td>A28</td><td>18</td><td>TN</td><td>2018639C1</td></tr> <tr><td>4</td><td>A5AL(+)</td><td>18</td><td>YL</td><td>2018639C1</td></tr> <tr><td>5</td><td>A5AM(-)</td><td>18</td><td>GN</td><td>2018639C1</td></tr> <tr><td>6</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>7</td><td>A28-G</td><td>18</td><td>WH</td><td>2018639C1</td></tr> <tr><td>8</td><td>A28A</td><td>18</td><td>TN</td><td>2018639C1</td></tr> <tr><td>9</td><td>A50</td><td>18</td><td>YL</td><td>2018639C1</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> </tbody> </table>				CAV	CIR	GAUGE	COLOR	TERM	1	A62	18	DK BL	2018639C1	2	A62-G	18	WH	2018639C1	3	A28	18	TN	2018639C1	4	A5AL(+)	18	YL	2018639C1	5	A5AM(-)	18	GN	2018639C1	6	-	-	-	-	7	A28-G	18	WH	2018639C1	8	A28A	18	TN	2018639C1	9	A50	18	YL	2018639C1	10	-	-	-	-	11	-	-	-	-	12	-	-	-	-
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SHIFT CONTROL CONN (1501) (LOCATED AT INSTRUMENT WING PANEL)  <div style="margin-left: 100px;"> CONNECTOR: 0587568C91 BODY LOCK: N/A PLUG: 0587579C1 </div> <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr> <th>CAV</th> <th>CIR</th> <th>GAUGE</th> <th>COLOR</th> <th>TERM</th> <th>SEAL</th> </tr> </thead> <tbody> <tr><td>A</td><td>A62G</td><td>18</td><td>DK BL</td><td>0587576C1</td><td>1652325C1</td></tr> <tr><td>B</td><td>A62-GC</td><td>18</td><td>WH</td><td>0587576C1</td><td>1652325C1</td></tr> </tbody> </table>				CAV	CIR	GAUGE	COLOR	TERM	SEAL	A	A62G	18	DK BL	0587576C1	1652325C1	B	A62-GC	18	WH	0587576C1	1652325C1	WARNING LIGHTS (1555) (LOCATED AT INSTRUMENT CLUSTER)  <div style="margin-left: 100px;"> CONNECTOR: 2005835C1 BODY LOCK: 2006503C1 PLUG: N/A </div> <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr> <th>CAV</th> <th>CIR</th> <th>GAUGE</th> <th>COLOR</th> <th>TERM</th> </tr> </thead> <tbody> <tr><td>A</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>B</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>C</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>D</td><td>AV31B</td><td>18</td><td>TN</td><td>1661208C1</td></tr> <tr><td>E</td><td>AV31C</td><td>18</td><td>TN</td><td>1661208C1</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> <tr><td>H</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> </tbody> </table>				CAV	CIR	GAUGE	COLOR	TERM	A	-	-	-	-	B	-	-	-	-	C	-	-	-	-	D	AV31B	18	TN	1661208C1	E	AV31C	18	TN	1661208C1	F	-	-	-	-	G	-	-	-	-	H	-	-	-	-																																																								
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Figure 63 Connector Composites (1400), (1401), (1402), (1403), (1404), (1500), (1501), (1555)

10.9. CONNECTOR COMPOSITES (1600), (1601), (1602), (1603), P. 93


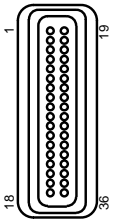

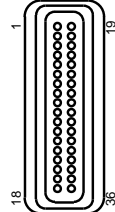



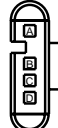


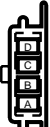
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THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF INTERNATIONAL TRUCK AND ENGINE CORPORATION.				CONNECTOR COMPOSITES - MATING VIEW SHOWN																																																																																																																																																																																																																																																																						
SYSTEM CONTROLLER (1600) (LOCATED AT INSIDE RIGHT SIDE DASH PANEL) KEY: * = MUTUALLY EXCLUSIVE CONNECTOR: 3533832C1 BODY LOCK: 3583836C1 RETAINER: 3533833C1 COVER: 3533834C1 SEAL: 3533835C1 PLUG: 3518314C1				SYSTEM CONTROLLER (1601) (LOCATED AT INSIDE RIGHT SIDE DASH PANEL)  CONNECTOR: 3548934C1 BODY LOCK1: 3548943C1 BODY LOCK2: 3573833C1 PLUG: 2025431C1																																																																																																																																																																																																																																																																						
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Figure 64 Connector Composites (1600), (1601), (1602), (1603)

10.10. CONNECTOR COMPOSITES (1604), (1650), (1657), (1804), (1807), (1808), (1809), P. 94

INTERNATIONAL TRUCK AND ENGINE CORPORATION				ELECTRICAL CIRCUIT DIAGRAM CHAPTER 10																																																																																																																							
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J	-	-	-	-																																																																																																																							
<p>J1939 TERMINATING RESISTOR (1657) (LOCATED AT INSIDE RIGHT SIDE DASH PANEL)</p>  <p>CONNECTOR: 1667741C1 BODY LOCK: 166771C1 PLUG: 2025431C1</p> <table border="1" style="width: 100%; border-collapse: collapse; font-size: 0.8em;"> <thead> <tr> <th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>TERM</th><th>SEAL</th></tr> </thead> <tbody> <tr><td>A</td><td>A5AG(+)</td><td>18</td><td>YL</td><td>1661875C1</td><td>3568570C1</td></tr> <tr><td>B</td><td>PLUG</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>C</td><td>A5AH(-)</td><td>18</td><td>GN</td><td>1661875C1</td><td>3568570C1</td></tr> </tbody> </table>				CAV	CIR	GAUGE	COLOR	TERM	SEAL	A	A5AG(+)	18	YL	1661875C1	3568570C1	B	PLUG	-	-	-	-	C	A5AH(-)	18	GN	1661875C1	3568570C1	<p>CLUTCH SWITCH (1807) (LOCATED ABOVE ACCELERATOR PEDAL)</p>  <p>CONNECTOR: 3540757C1 BODY LOCK: 3540758C1 PLUG: 2025431C1</p> <table border="1" style="width: 100%; border-collapse: collapse; font-size: 0.8em;"> <thead> <tr> <th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>TERM</th><th>SEAL</th></tr> </thead> <tbody> <tr><td>A</td><td>A17C</td><td>18</td><td>PK</td><td>1667742C1</td><td>1661872C1</td></tr> <tr><td>B</td><td>A17A</td><td>18</td><td>PK</td><td>1667742C1</td><td>1661872C1</td></tr> <tr><td>C</td><td>A96A</td><td>18</td><td>PL</td><td>1667742C1</td><td>3568570C1</td></tr> <tr><td>D</td><td>A9VB</td><td>18</td><td>GY</td><td>1667742C1</td><td>1661872C1</td></tr> </tbody> </table>				CAV	CIR	GAUGE	COLOR	TERM	SEAL	A	A17C	18	PK	1667742C1	1661872C1	B	A17A	18	PK	1667742C1	1661872C1	C	A96A	18	PL	1667742C1	3568570C1	D	A9VB	18	GY	1667742C1	1661872C1																																																														
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<p>APS/IVS (1804) (LOCATED AT ACCELERATOR PEDAL)</p>  <p>CONNECTOR: 1687790C1 BODY LOCK: N/A PLUG: 1687788C1</p> <table border="1" style="width: 100%; border-collapse: collapse; font-size: 0.8em;"> <thead> <tr> <th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>TERM</th></tr> </thead> <tbody> <tr><td>A</td><td>A99A</td><td>18</td><td>VT</td><td>1651943C1</td></tr> <tr><td>B</td><td>A97B</td><td>18</td><td>VT</td><td>1651943C1</td></tr> <tr><td>C</td><td>A97C</td><td>18</td><td>VT</td><td>1651943C1</td></tr> <tr><td>D</td><td>A99D</td><td>18</td><td>VT</td><td>1651943C1</td></tr> <tr><td>E</td><td>PLUG</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>F</td><td>A99F</td><td>18</td><td>VT</td><td>1651943C1</td></tr> </tbody> </table>				CAV	CIR	GAUGE	COLOR	TERM	A	A99A	18	VT	1651943C1	B	A97B	18	VT	1651943C1	C	A97C	18	VT	1651943C1	D	A99D	18	VT	1651943C1	E	PLUG	-	-	-	F	A99F	18	VT	1651943C1	<p>BAP SENSOR (1808) (LOCATED AT INSTRUMENT RIGHT SIDE PANEL)</p>  <p>CONNECTOR: 2016703C1 BODY LOCK: 2016704C1 PLUG: N/A</p> <table border="1" style="width: 100%; border-collapse: collapse; font-size: 0.8em;"> <thead> <tr> <th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>TERM</th></tr> </thead> <tbody> <tr><td>1</td><td>A97D</td><td>18</td><td>VT</td><td>2003343C1</td></tr> <tr><td>2</td><td>A97F</td><td>18</td><td>VT</td><td>2003343C1</td></tr> <tr><td>3</td><td>A97J</td><td>18</td><td>VT</td><td>2003343C1</td></tr> </tbody> </table>				CAV	CIR	GAUGE	COLOR	TERM	1	A97D	18	VT	2003343C1	2	A97F	18	VT	2003343C1	3	A97J	18	VT	2003343C1																																																													
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3	A97J	18	VT	2003343C1																																																																																																																							
<p>CLOCK SPRING (1809) (LOCATED IN STEERING COLUMN)</p>  <p>CONNECTOR: 3547870C1 BODY LOCK: 3515764C1 PLUG: N/A</p> <table border="1" style="width: 100%; border-collapse: collapse; font-size: 0.8em;"> <thead> <tr> <th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>TERM</th></tr> </thead> <tbody> <tr><td>A</td><td>A9HA</td><td>18</td><td>GY</td><td>1661261C1</td></tr> <tr><td>B</td><td>A89C</td><td>18</td><td>GY</td><td>1661261C1</td></tr> <tr><td>C</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>D</td><td>A85B</td><td>18</td><td>GY</td><td>1661261C1</td></tr> </tbody> </table>				CAV	CIR	GAUGE	COLOR	TERM	A	A9HA	18	GY	1661261C1	B	A89C	18	GY	1661261C1	C	-	-	-	-	D	A85B	18	GY	1661261C1																																																																																															
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CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME	RELEASE NO.	DATE	PART NO.	SHEET
					U00JRT9	IRAQI BUS CIRCUIT DIAGRAMS	59419M	10SEP04	AE08-55712	94

Figure 65 Connector Composites (1604), (1650), (1657), (1804), (1807), (1808), (1809)

10.11. CONNECTOR COMPOSITES (1810), (1811), (1812), (1823), (1824), (1828), (1829), P. 95

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ELECTRICAL CIRCUIT DIAGRAM CHAPTER 10

CONNECTOR COMPOSITES - MATING VIEW SHOWN

TURN SIGNAL SWITCH (1810)

(LOCATED AT STEERING COLUMN)




CONNECTOR: 3539212C1
BODY LOCK: N/A
PLUG: N/A

CAV	CIR	GAUGE	COLOR	TERM
1	A56	20	OR	3539213C1
2	A57	20	OR	3539213C1
3	A52B	20	YL	3539213C1
4	A102	20	YL	3539213C1
5	A82U	20	GY	3539213C1
6	A87-GA	18	WH	3571717C1
7	A9S	18	GY	3571717C1
8	A82S	20	GY	3539213C1
9	-	-	-	-
10	-	-	-	-
11	A82T	20	GY	3539213C1
12	A87-GC	18	GY	3571717C1

PRIMARY AIR PRESSURE SENSOR (1811)

(LOCATED NEAR BRAKE PEDAL)




CONNECTOR: 1678137C1
BODY LOCK: N/A
PLUG: N/A

CAV	CIR	GAUGE	COLOR	TERM
A	A9VC	18	GY	1651943C1
B	A6HB	18	GY	1651943C1
C	A40	18	GY	1651943C1

AIR BRAKE STOP LIGHT #1 SWITCH (1823)

(LOCATED NEAR BRAKE PEDAL)




CONNECTOR: 1661777C1
BODY LOCK: 1661873C1
PLUG: 2025431C1

CAV	CIR	GAUGE	COLOR	TERM	SEAL
C	A70CA	18	OR	1661875C1	1661872C1
D	A9VG	18	GY	1661875C1	1661872C1

SECONDARY AIR PRESSURE SENSOR (1812)

(LOCATED NEAR BRAKE PEDAL)




CONNECTOR: 1678137C1
BODY LOCK: N/A
PLUG: N/A

CAV	CIR	GAUGE	COLOR	TERM
A	A9VE	18	GY	1651943C1
B	A6HA	18	GY	1651943C1
C	A40A	18	GY	1651943C1

AIR BRAKE STOP LIGHT #2 SWITCH (1824)

(LOCATED NEAR BRAKE PEDAL)




CONNECTOR: 1661777C1
BODY LOCK: 1661873C1
PLUG: 2025431C1

CAV	CIR	GAUGE	COLOR	TERM	SEAL
C	A70CB	18	OR	1661875C1	1661872C1
D	A9VH	18	GY	1661875C1	1661872C1

MD XMSN PRIMARY SHIFT SELECTOR (1829)

(LOCATED AT INSTRUMENT WING PANEL)




CONNECTOR: 3522536C91
BODY LOCK: 3518287C1
PLUG: 3518314C1

CAV	CIR	GAUGE	COLOR	TERM
A	A#170	18	OR	3517243C1
B	A#171	18	TN	3517243C1
C	A#172	18	TN	3517243C1
D	A#173	18	TN	3517243C1
E	A#174	18	TN	3517243C1
L	PLUG	-	-	-
M	A#175	18	TN	3517243C1
N	A#124	18	TN	3517243C1
P	A#143	18	TN	3517243C1
R	A#136	18	TN	3517243C1
S	A#180	18	TN	3517243C1
T	A#186	18	WH	3517243C1
U	A62C	18	DK BL	3517243C1
V	A#188	18	WH	3517243C1

LCT SHIFT CONTROL (1828)

(LOCATED AT INSTRUMENT WING PANEL)



CONNECTOR: 1661196C1
BODY LOCK: N/A
PLUG: N/A

CAV	CIR	GAUGE	COLOR	TERM
A	A92AB	18	TN	1661208C1
B	A92	18	TN	1661208C1

CHK

DATE

CHANGE

REV

REFERENCE

DRAWN
U00JRT9

NAME
IRAQI BUS CIRCUIT DIAGRAMS

RELEASE NO.
59419M

DATE
10SEP04

PART NO.
AE08-55712

SHEET
95

Figure 66 Connector Composites (1810), (1811), (1812), (1823), (1824), (1828), (1829)

10.12. CONNECTOR COMPOSITES (4003), (4010), (4011), P. 96

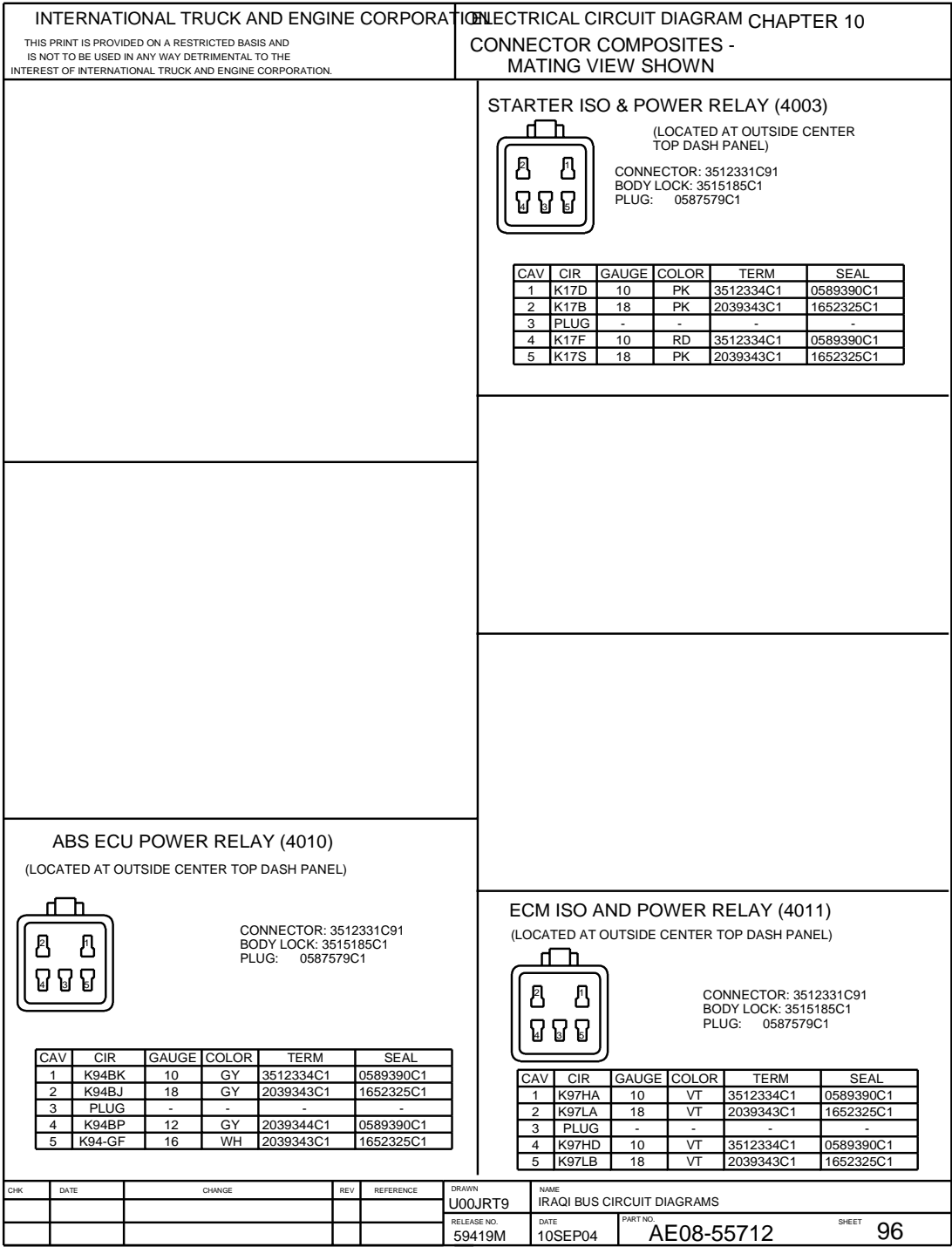


Figure 67 Connector Composites (4003), (4010), (4011)

10.13. CONNECTOR COMPOSITE (4013M), P. 97

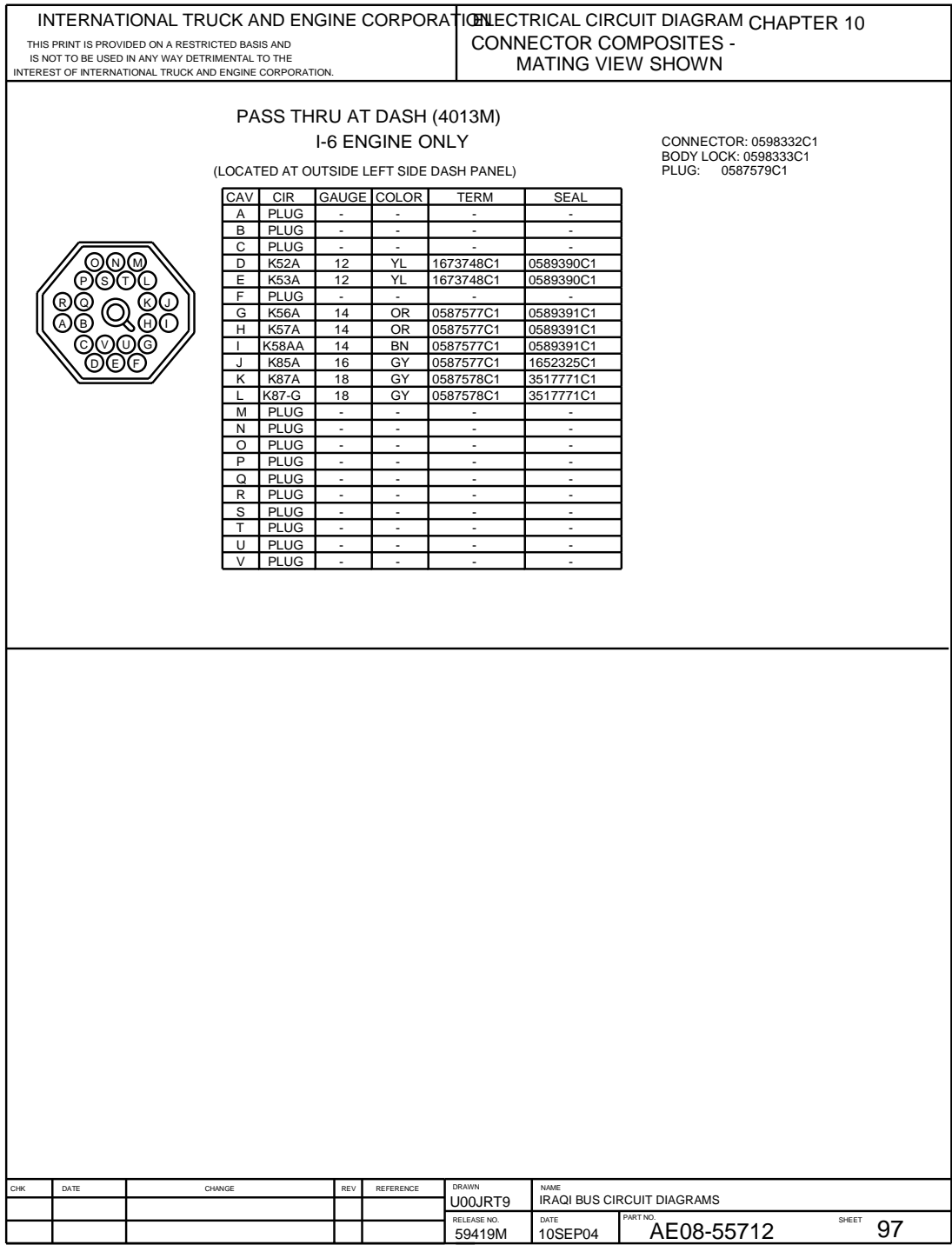


Figure 68 Connector Composite (4013M)

10.14. CONNECTOR COMPOSITE (4013), P. 98

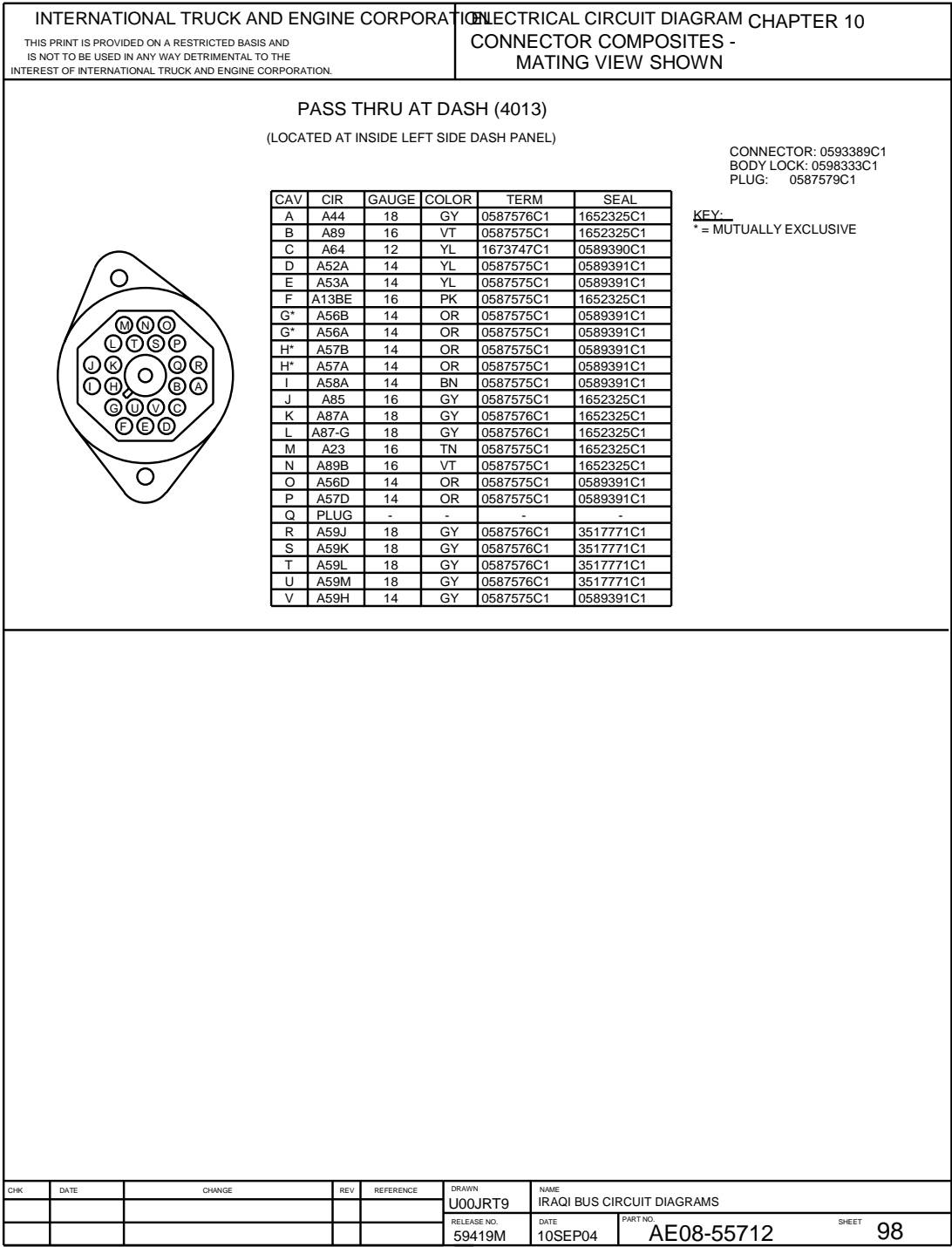
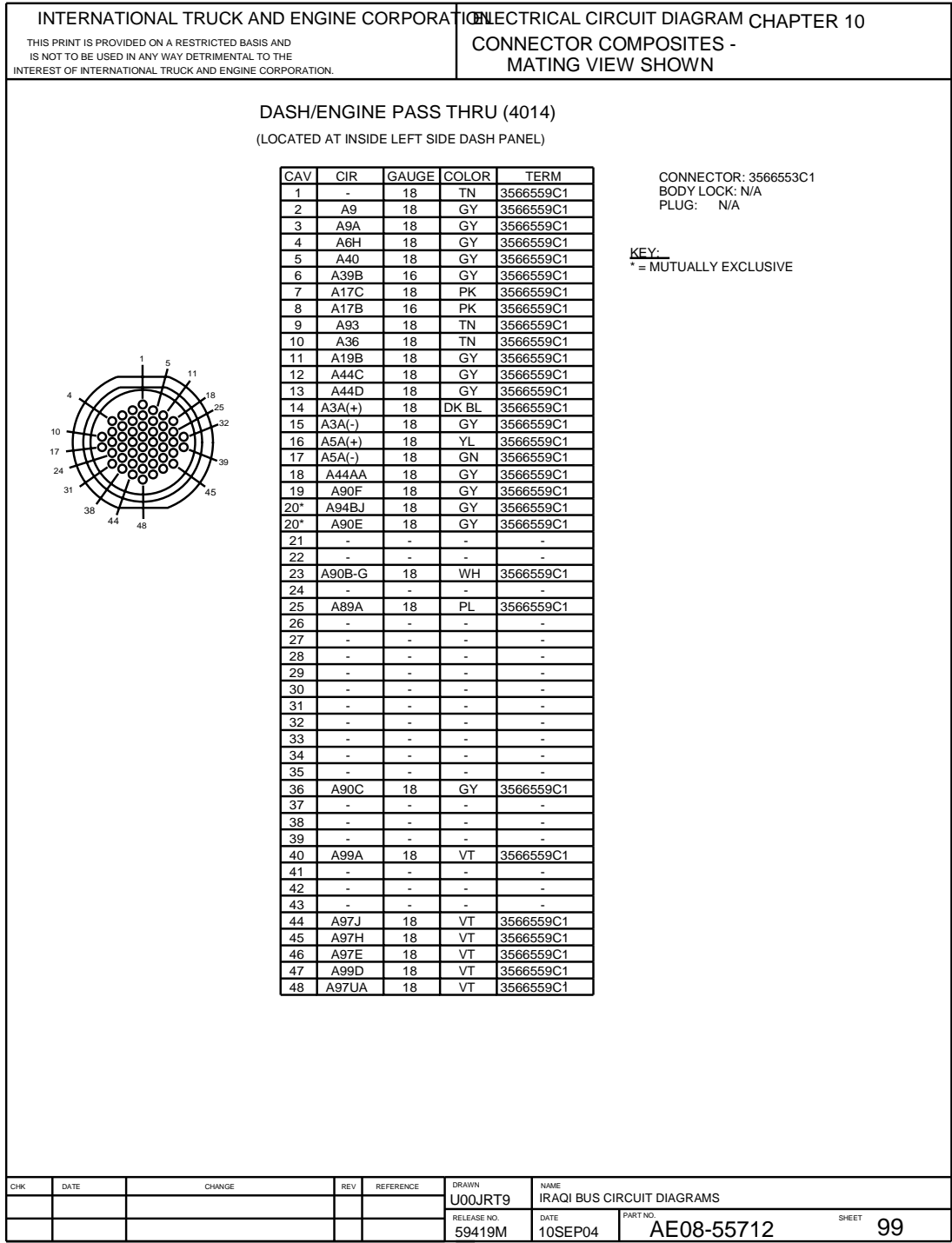


Figure 69 Connector Composite (4013)

10.15. CONNECTOR COMPOSITE (4014), P. 99



CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
					U00JRT9	IRAQI BUS CIRCUIT DIAGRAMS
					RELEASE NO.	DATE
					59419M	10SEP04
					PART NO.	SHEET
					AE08-55712	99

Figure 70 Connector Composite (4014)

10.16. CONNECTOR COMPOSITES (4014M), (4017), P. 100

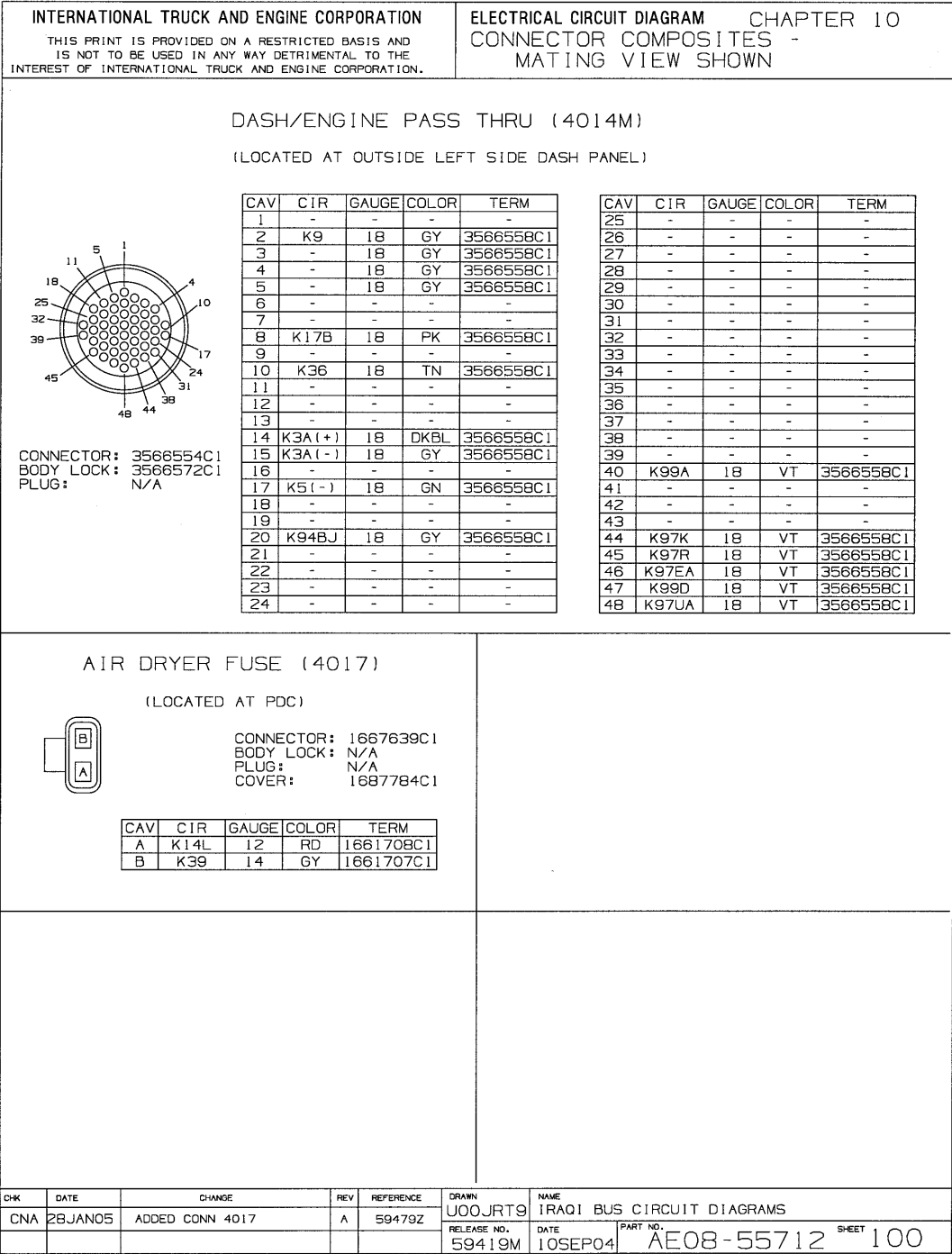


Figure 71 Connector Composites (4014M), (4017)

10.17. CONNECTOR COMPOSITES (4041), (4042), (4046), P. 101

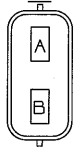
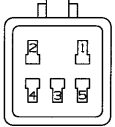


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<p style="text-align: center;">ABS MAXI FUSE (4041) (LOCATED AT OUTSIDE CENTER TOP DASH PANEL)</p> <div style="display: flex; align-items: center;">  <div> <p>CONNECTOR: 3525613C1 BODY LOCK: N/A PLUG: N/A COVER: 3515524C1</p> </div> </div> <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr> <th>CAV</th> <th>CIR</th> <th>GAUGE</th> <th>COLOR</th> <th>TERM</th> <th>SEAL</th> <th>NOTES</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>K14J</td> <td>10</td> <td>RD</td> <td>3515526C1</td> <td>3515525C1</td> <td>W/AIR ABS</td> </tr> <tr> <td>B</td> <td>K94BK</td> <td>10</td> <td>GY</td> <td>3515526C1</td> <td>3515525C1</td> <td>W/AIR ABS</td> </tr> </tbody> </table>				CAV	CIR	GAUGE	COLOR	TERM	SEAL	NOTES	A	K14J	10	RD	3515526C1	3515525C1	W/AIR ABS	B	K94BK	10	GY	3515526C1	3515525C1	W/AIR ABS	<p style="text-align: center;">EXHAUST BRAKE RELAY (4042) (LOCATED AT PDC)</p> <div style="display: flex; align-items: center;">  <div> <p>CONNECTOR: 3512331C91 BODY LOCK: 3515185C1 PLUG: 0587579C1</p> </div> </div> <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr> <th>CAV</th> <th>CIR</th> <th>GAUGE</th> <th>COLOR</th> <th>TERM</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>K24D</td> <td>16</td> <td>GY</td> <td>2039343C1</td> </tr> <tr> <td>2</td> <td>K24A</td> <td>18</td> <td>GY</td> <td>2039343C1</td> </tr> <tr> <td>3</td> <td>PLUG</td> <td>-</td> <td>-</td> <td>-</td> </tr> <tr> <td>4</td> <td>K24E</td> <td>18</td> <td>GY</td> <td>2039343C1</td> </tr> <tr> <td>5</td> <td>K24C</td> <td>18</td> <td>GY</td> <td>2039343C1</td> </tr> </tbody> </table>				CAV	CIR	GAUGE	COLOR	TERM	1	K24D	16	GY	2039343C1	2	K24A	18	GY	2039343C1	3	PLUG	-	-	-	4	K24E	18	GY	2039343C1	5	K24C	18	GY	2039343C1			
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<p style="text-align: center;">WIPER MOTOR (4046) (LOCATED INSIDE RIGHT SIDE TOP SIDE COWL)</p> <div style="display: flex; align-items: center;">  <div> <p>CONNECTOR: 3586987C1 BODY LOCK: 3586992C1 PLUG: 3586993C1</p> </div> </div> <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr> <th>CAV</th> <th>CIR</th> <th>GAUGE</th> <th>COLOR</th> <th>TERM</th> <th>SEAL</th> </tr> </thead> <tbody> <tr> <td>GND</td> <td>A82-GA</td> <td>16</td> <td>WH</td> <td>3586990C1</td> <td>3586991C1</td> </tr> <tr> <td>HI</td> <td>A82K</td> <td>16</td> <td>GY</td> <td>3586990C1</td> <td>3586991C1</td> </tr> <tr> <td>LO</td> <td>A82N</td> <td>16</td> <td>GY</td> <td>3586990C1</td> <td>3586991C1</td> </tr> <tr> <td>PF</td> <td>A82DA</td> <td>16</td> <td>GY</td> <td>3586990C1</td> <td>3586991C1</td> </tr> <tr> <td>PR</td> <td>A82H</td> <td>16</td> <td>GY</td> <td>3586990C1</td> <td>3586991C1</td> </tr> </tbody> </table>				CAV	CIR	GAUGE	COLOR	TERM	SEAL	GND	A82-GA	16	WH	3586990C1	3586991C1	HI	A82K	16	GY	3586990C1	3586991C1	LO	A82N	16	GY	3586990C1	3586991C1	PF	A82DA	16	GY	3586990C1	3586991C1	PR	A82H	16	GY	3586990C1	3586991C1	<p style="text-align: center;">WINDSHIELD WASHER PUMP (4046) (LOCATED AT ENGINE COMPARTMENT)</p> <div style="display: flex; align-items: center;">  <div> <p>CONNECTOR: 3522068C1 BODY LOCK: 1661874C1 PLUG: 2025431C1</p> </div> </div> <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr> <th>CAV</th> <th>CIR</th> <th>GAUGE</th> <th>COLOR</th> <th>TERM</th> <th>SEAL</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>N87-G</td> <td>18</td> <td>GY</td> <td>1661875C1</td> <td>3568570C1</td> </tr> <tr> <td>B</td> <td>N87A</td> <td>18</td> <td>GY</td> <td>1661875C1</td> <td>3568570C1</td> </tr> </tbody> </table>				CAV	CIR	GAUGE	COLOR	TERM	SEAL	A	N87-G	18	GY	1661875C1	3568570C1	B	N87A	18	GY	1661875C1	3568570C1
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GND	A82-GA	16	WH	3586990C1	3586991C1																																																								
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LO	A82N	16	GY	3586990C1	3586991C1																																																								
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A	N87-G	18	GY	1661875C1	3568570C1																																																								
B	N87A	18	GY	1661875C1	3568570C1																																																								
<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>CNA</td> <td>28JAN05</td> <td>ADDED CONN 4042</td> <td>A</td> <td>59478Z</td> <td>U00JRT9</td> <td>IRAQI BUS CIRCUIT DIAGRAMS</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>59419M</td> <td>10SEP04</td> </tr> </tbody> </table>				CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME	CNA	28JAN05	ADDED CONN 4042	A	59478Z	U00JRT9	IRAQI BUS CIRCUIT DIAGRAMS						RELEASE NO.	DATE						59419M	10SEP04	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>PART NO.</th> <th>SHEET</th> </tr> </thead> <tbody> <tr> <td>AE08-55712</td> <td>101</td> </tr> </tbody> </table>				PART NO.	SHEET	AE08-55712	101																						
CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME																																																							
CNA	28JAN05	ADDED CONN 4042	A	59478Z	U00JRT9	IRAQI BUS CIRCUIT DIAGRAMS																																																							
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AE08-55712	101																																																												

Figure 72 Connector Composites (4041), (4042), (4046)

10.18. CONNECTOR COMPOSITE (4705), P. 102

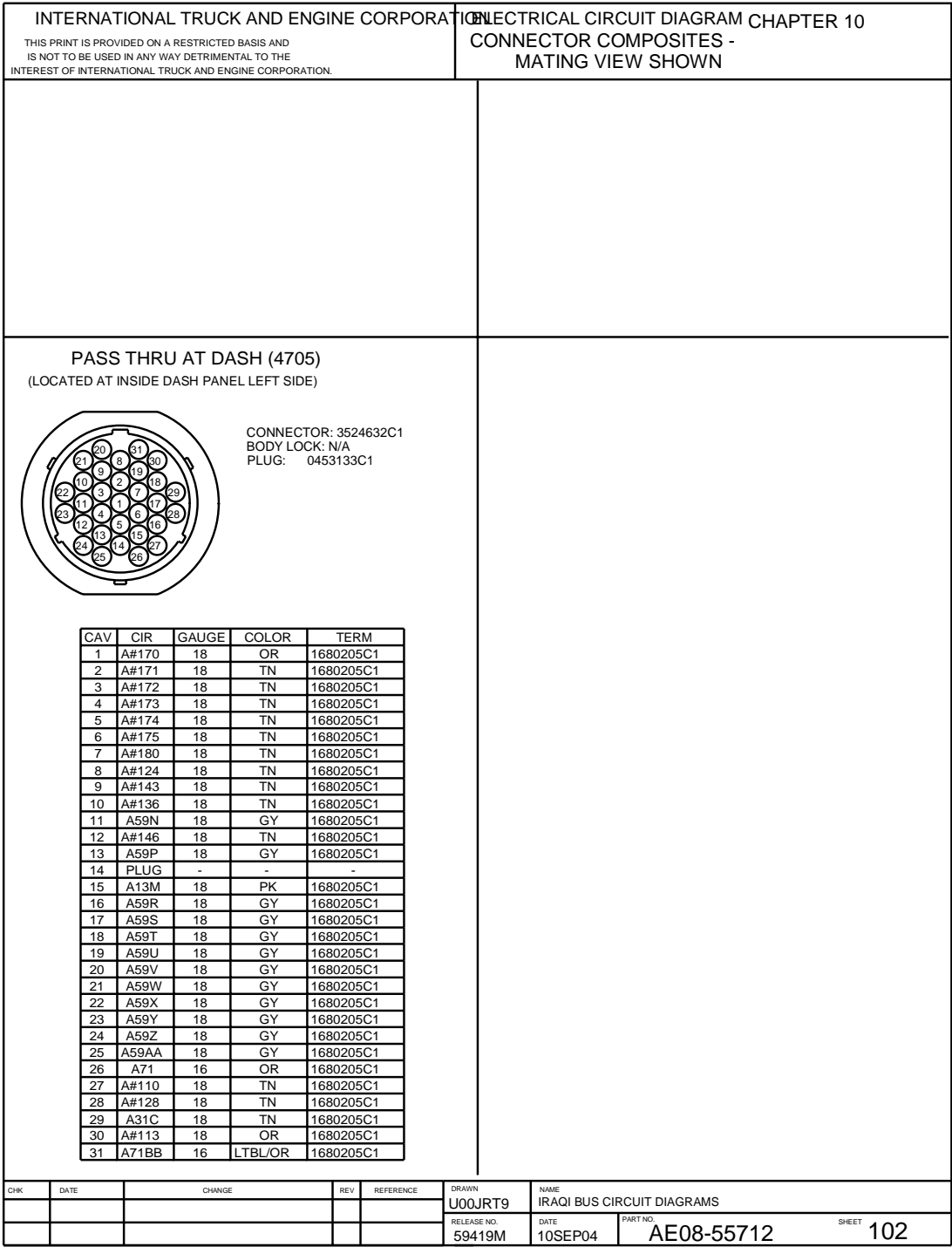
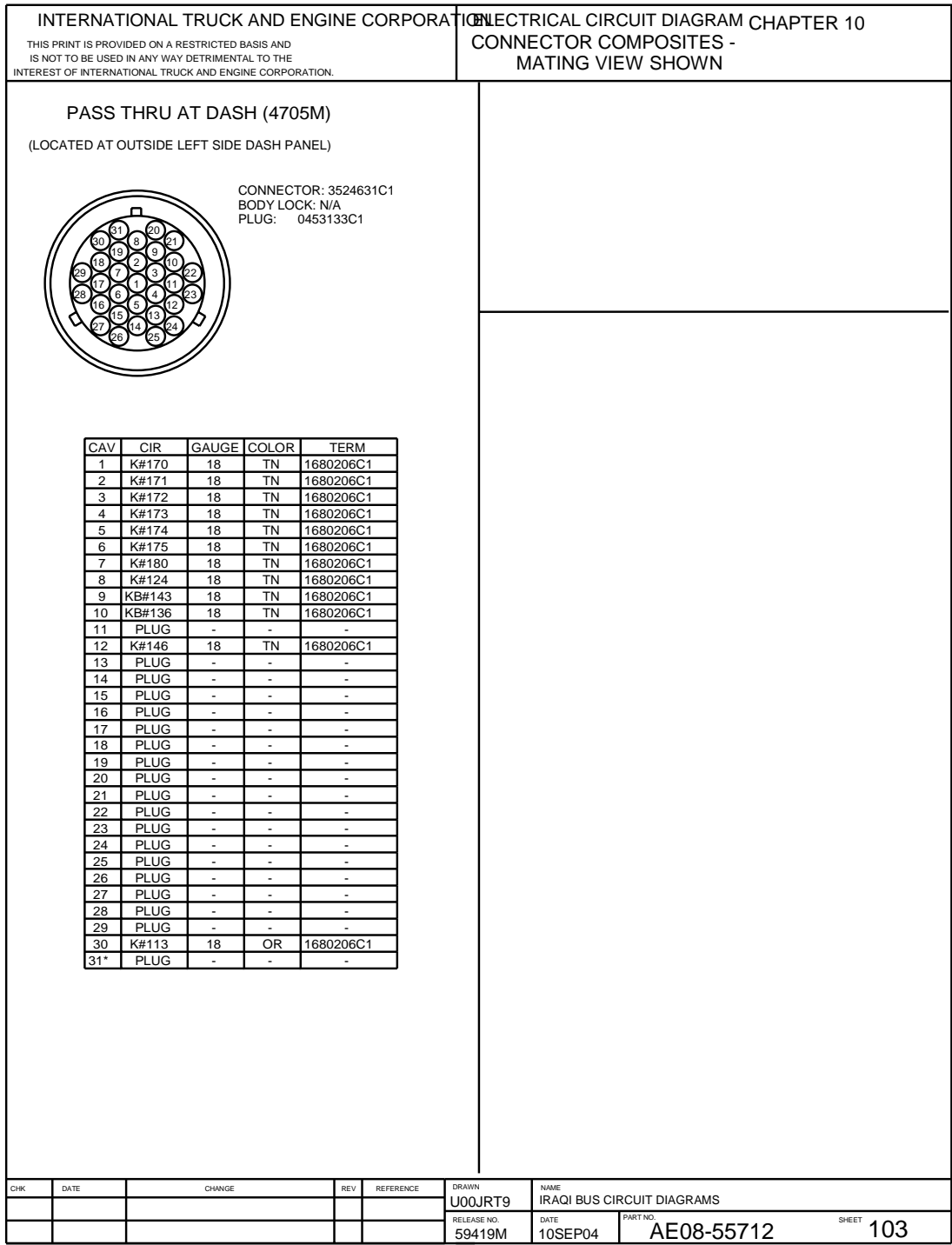


Figure 73 Connector Composite (4705)

10.19. CONNECTOR COMPOSITES (4705M), P. 103



CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
					U00JRT9	IRAQI BUS CIRCUIT DIAGRAMS
					RELEASE NO.	DATE
					59419M	10SEP04
					PART NO.	SHEET
					AE08-55712	103

Figure 74 Connector Composites (4705M)

10.20. CONNECTOR COMPOSITE (379), P. 104

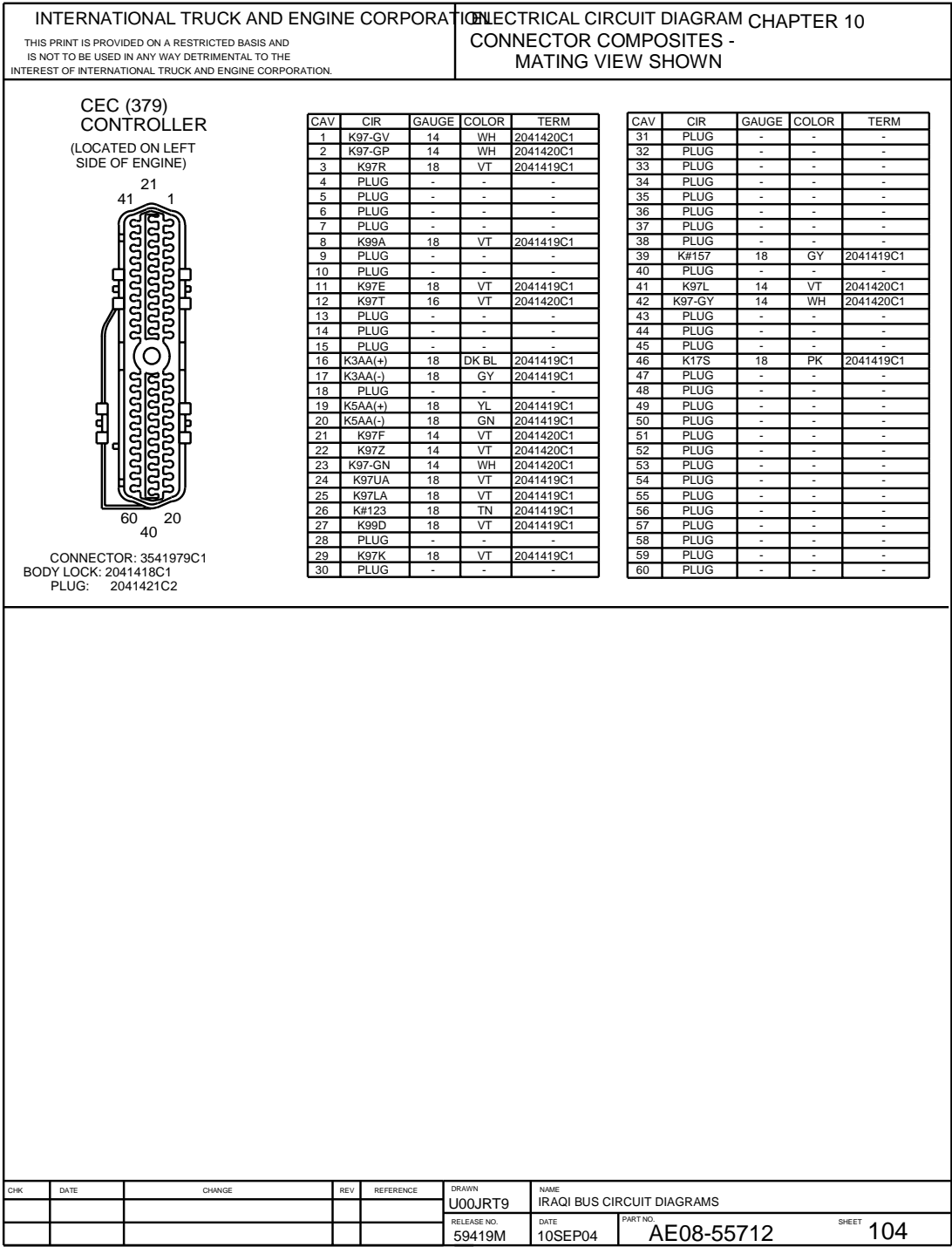


Figure 75 Connector Composite (379)

10.21. CONNECTOR COMPOSITES (6500), (6703), (7104F), P. 105




INTERNATIONAL TRUCK AND ENGINE CORPORATION <small>THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF INTERNATIONAL TRUCK AND ENGINE CORPORATION.</small>				ELECTRICAL CIRCUIT DIAGRAM CHAPTER 10 CONNECTOR COMPOSITES - MATING VIEW SHOWN																												
<div style="text-align: center;"> EXHAUST BRAKE SOLENOID (6500) (LOCATED AT LEFT SIDE VALVE COVER) </div> <div style="display: flex; align-items: center; justify-content: center; margin: 10px 0;">  <div style="margin-left: 10px;"> CONNECTOR: 0587568C1 BODY LOCK: N/A PLUG: N/A </div> </div> <table border="1" style="margin-left: auto; margin-right: auto; font-size: 8px;"> <thead> <tr> <th>CAV</th> <th>CIR</th> <th>GAUGE</th> <th>COLOR</th> <th>TERM</th> <th>SEAL</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>K24B-G</td> <td>18</td> <td>WH</td> <td>587576C1</td> <td>1652325C1</td> </tr> <tr> <td>B</td> <td>K24E</td> <td>18</td> <td>GY</td> <td>587576C1</td> <td>1652325C1</td> </tr> </tbody> </table>				CAV	CIR	GAUGE	COLOR	TERM	SEAL	A	K24B-G	18	WH	587576C1	1652325C1	B	K24E	18	GY	587576C1	1652325C1											
CAV	CIR	GAUGE	COLOR	TERM	SEAL																											
A	K24B-G	18	WH	587576C1	1652325C1																											
B	K24E	18	GY	587576C1	1652325C1																											
<div style="text-align: center;"> INTAKE AIR TEMPERATURE (6703) (LOCATED AT ALTERNATOR) </div> <div style="display: flex; align-items: center; justify-content: center; margin: 10px 0;">  <div style="margin-left: 10px;"> CONNECTOR: 1689462C1 BODY LOCK: 1689463C1 PLUG: N/A </div> </div> <table border="1" style="margin-left: auto; margin-right: auto; font-size: 8px;"> <thead> <tr> <th>CAV</th> <th>CIR</th> <th>GAUGE</th> <th>COLOR</th> <th>TERM</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>K97T</td> <td>16</td> <td>VT</td> <td>1689464C1</td> </tr> <tr> <td>B</td> <td>K97S</td> <td>16</td> <td>VT</td> <td>1689464C1</td> </tr> </tbody> </table>				CAV	CIR	GAUGE	COLOR	TERM	A	K97T	16	VT	1689464C1	B	K97S	16	VT	1689464C1														
CAV	CIR	GAUGE	COLOR	TERM																												
A	K97T	16	VT	1689464C1																												
B	K97S	16	VT	1689464C1																												
<div style="text-align: center;"> XMSN CLEAN POWER AND GROUND (7104F) (LOCATED AT BATTERY CABLES) </div> <div style="display: flex; align-items: center; justify-content: center; margin: 10px 0;">  <div style="margin-left: 10px;"> CONNECTOR: 1671611C1 BODY LOCK: 1671608C1 PLUG: 0587579C1 </div> </div> <table border="1" style="margin-left: auto; margin-right: auto; font-size: 8px;"> <thead> <tr> <th>CAV</th> <th>CIR</th> <th>GAUGE</th> <th>COLOR</th> <th>TERM</th> <th>SEAL</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>K92A</td> <td>10</td> <td>TN</td> <td>1687848C1</td> <td>0589390C1</td> </tr> <tr> <td>B</td> <td>K92-G</td> <td>10</td> <td>WH</td> <td>1687848C1</td> <td>0589390C1</td> </tr> </tbody> </table>				CAV	CIR	GAUGE	COLOR	TERM	SEAL	A	K92A	10	TN	1687848C1	0589390C1	B	K92-G	10	WH	1687848C1	0589390C1											
CAV	CIR	GAUGE	COLOR	TERM	SEAL																											
A	K92A	10	TN	1687848C1	0589390C1																											
B	K92-G	10	WH	1687848C1	0589390C1																											
<table border="1" style="width: 100%; font-size: 8px;"> <tr> <th>CHK</th> <th>DATE</th> <th>CHANGE</th> <th>REV</th> <th>REFERENCE</th> </tr> <tr> <td>CNA</td> <td>28JAN05</td> <td>ADDED CONN 6500</td> <td>A</td> <td>59479Z</td> </tr> </table>				CHK	DATE	CHANGE	REV	REFERENCE	CNA	28JAN05	ADDED CONN 6500	A	59479Z	<table border="1" style="width: 100%; font-size: 8px;"> <tr> <td style="width: 15%;">DRAWN</td> <td style="width: 15%;">U00JRT9</td> <td style="width: 15%;">NAME</td> <td colspan="2">IRAQI BUS CIRCUIT DIAGRAMS</td> </tr> <tr> <td>RELEASE NO.</td> <td>59419M</td> <td>DATE</td> <td>10SEP04</td> <td>PART NO. AE08-55712</td> </tr> <tr> <td colspan="3"></td> <td style="text-align: right;">SHEET</td> <td style="text-align: right;">105</td> </tr> </table>				DRAWN	U00JRT9	NAME	IRAQI BUS CIRCUIT DIAGRAMS		RELEASE NO.	59419M	DATE	10SEP04	PART NO. AE08-55712				SHEET	105
CHK	DATE	CHANGE	REV	REFERENCE																												
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RELEASE NO.	59419M	DATE	10SEP04	PART NO. AE08-55712																												
			SHEET	105																												

Figure 76 Connector Composites (6500), (6703), (7104F)

10.22. CONNECTOR COMPOSITES (7200), (7202), P. 106

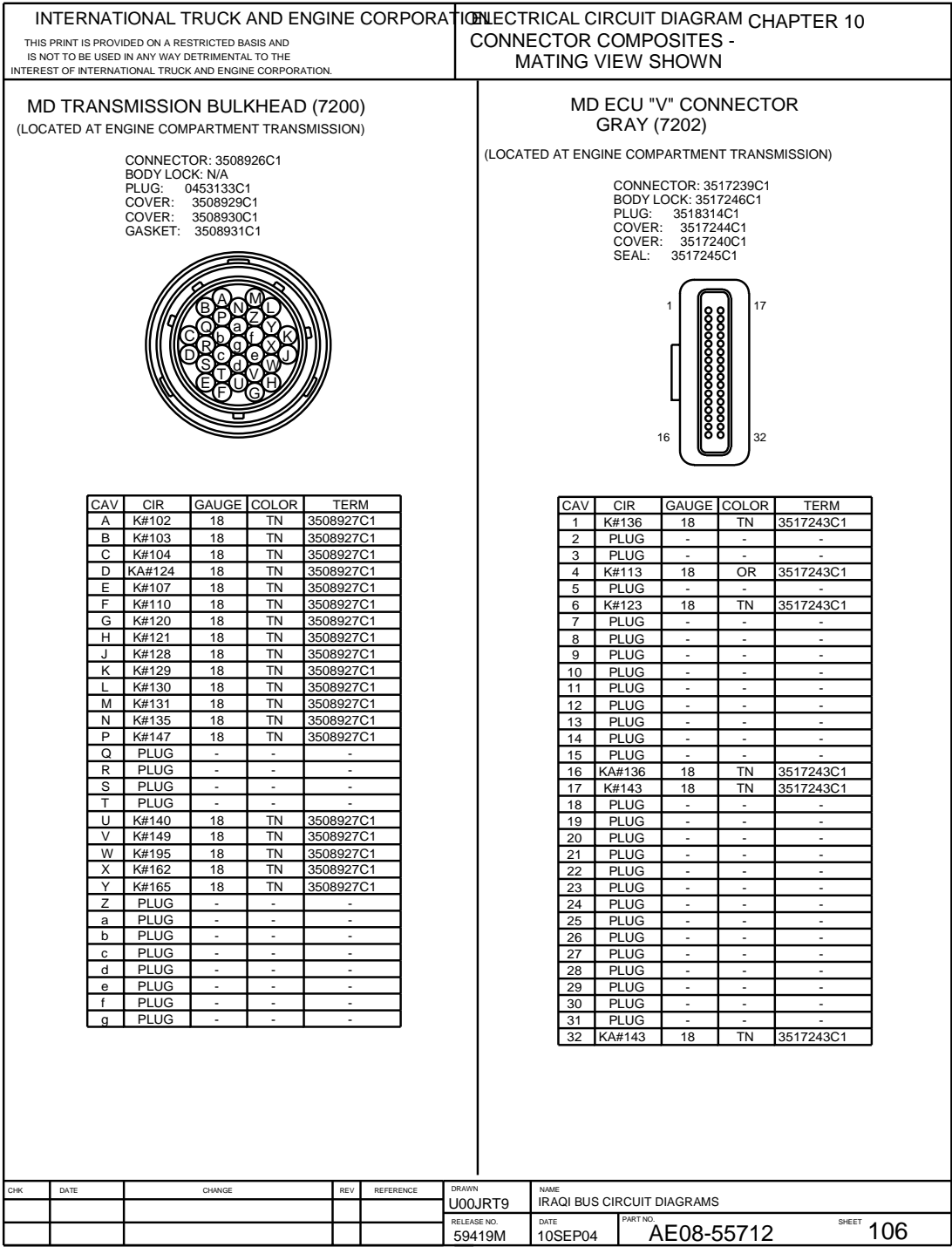
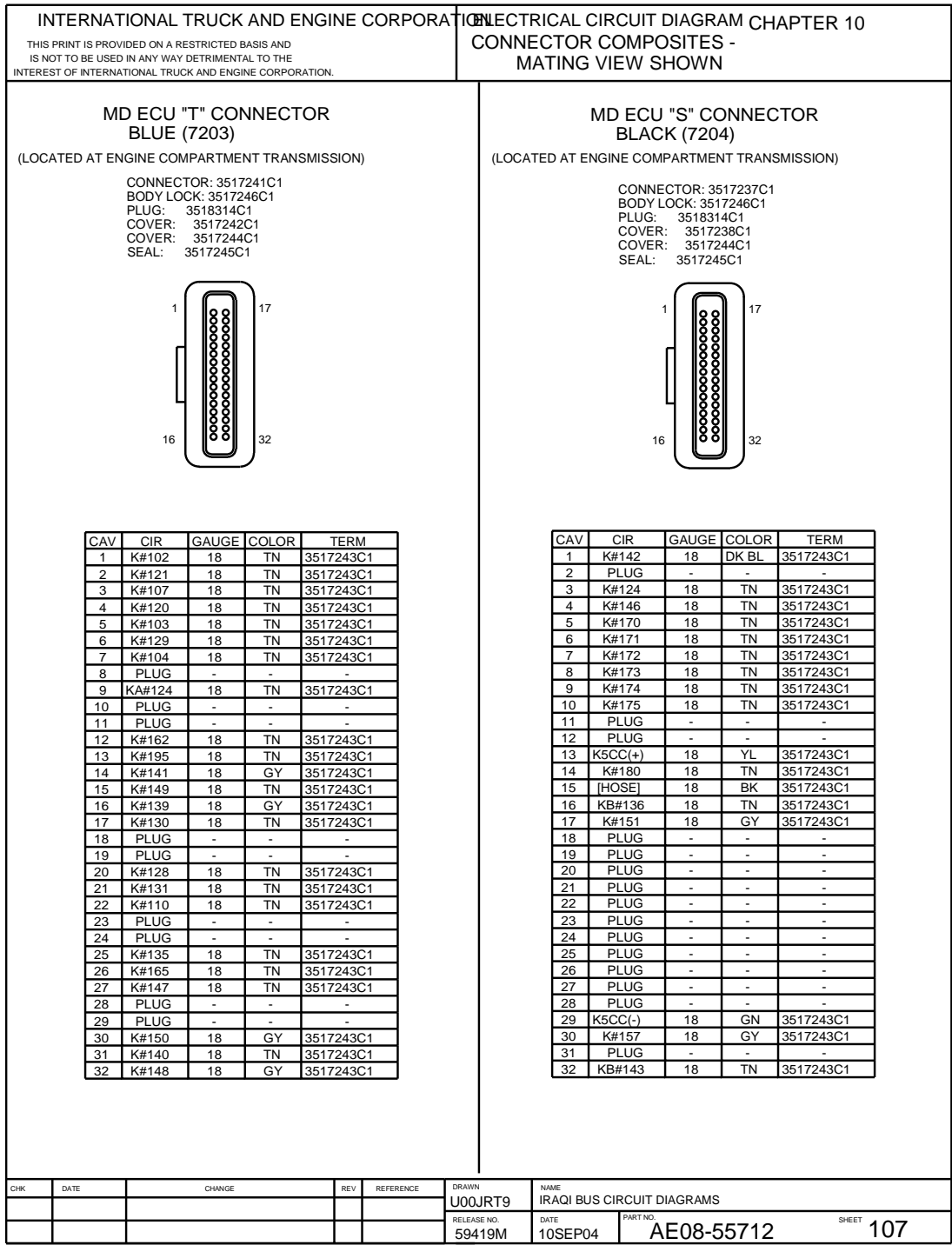


Figure 77 Connector Composites (7200), (7202)

10.23. CONNECTOR COMPOSITES (7203), (7204), P. 107



10.24. CONNECTOR COMPOSITES (7603), (7605), (8000), P. 108



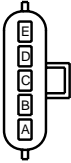
INTERNATIONAL TRUCK AND ENGINE CORPORATION <small>THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF INTERNATIONAL TRUCK AND ENGINE CORPORATION.</small>		ELECTRICAL CIRCUIT DIAGRAM CHAPTER 10 CONNECTOR COMPOSITES - MATING VIEW SHOWN																																					
<p>ENGINE SPEED SENSOR (7603) (LOCATED AT ENGINE COMPARTMENT TRANSMISSION)</p> <div><p>CONNECTOR: 2036583C1 BODY LOCK: N/A PLUG: N/A</p><table border="1"><thead><tr><th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>TERM</th></tr></thead><tbody><tr><td>A</td><td>K#141</td><td>18</td><td>GY</td><td>2036586C1</td></tr><tr><td>B</td><td>K#150</td><td>18</td><td>GY</td><td>2036586C1</td></tr></tbody></table></div>		CAV	CIR	GAUGE	COLOR	TERM	A	K#141	18	GY	2036586C1	B	K#150	18	GY	2036586C1																							
CAV	CIR	GAUGE	COLOR	TERM																																			
A	K#141	18	GY	2036586C1																																			
B	K#150	18	GY	2036586C1																																			
<p>OUTPUT SPEED SENSOR (7605) (LOCATED AT ENGINE COMPARTMENT TRANSMISSION)</p> <div><p>CONNECTOR: 2036583C1 BODY LOCK: N/A PLUG: N/A</p><table border="1"><thead><tr><th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>TERM</th></tr></thead><tbody><tr><td>A</td><td>K#139</td><td>18</td><td>GY</td><td>2036586C1</td></tr><tr><td>B</td><td>K#148</td><td>18</td><td>GY</td><td>2036586C1</td></tr></tbody></table></div>		CAV	CIR	GAUGE	COLOR	TERM	A	K#139	18	GY	2036586C1	B	K#148	18	GY	2036586C1																							
CAV	CIR	GAUGE	COLOR	TERM																																			
A	K#139	18	GY	2036586C1																																			
B	K#148	18	GY	2036586C1																																			
		<p>RIGHT HEADLIGHT AND TURN SIGNAL (8000) (LOCATED AT HOOD NEAR RIGHT HEADLIGHT)</p> <div><p>CONNECTOR: 1661375C2 BODY LOCK: 1661376C1 PLUG: 0587579C1</p><table border="1"><thead><tr><th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>TERM</th><th>SEAL</th></tr></thead><tbody><tr><td>A</td><td>U52D</td><td>14</td><td>YL</td><td>2033816C1</td><td>0589391C1</td></tr><tr><td>B</td><td>U11-GA</td><td>14</td><td>WH</td><td>2033816C1</td><td>0589391C1</td></tr><tr><td>C</td><td>U53B</td><td>14</td><td>YL</td><td>2033816C1</td><td>0589391C1</td></tr><tr><td>D</td><td>U57A OR U57B</td><td>14</td><td>OR</td><td>2033816C1</td><td>0589391C1</td></tr><tr><td>E</td><td>U58D</td><td>16</td><td>BN</td><td>2033819C1</td><td>1652325C1</td></tr></tbody></table></div>		CAV	CIR	GAUGE	COLOR	TERM	SEAL	A	U52D	14	YL	2033816C1	0589391C1	B	U11-GA	14	WH	2033816C1	0589391C1	C	U53B	14	YL	2033816C1	0589391C1	D	U57A OR U57B	14	OR	2033816C1	0589391C1	E	U58D	16	BN	2033819C1	1652325C1
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B	U11-GA	14	WH	2033816C1	0589391C1																																		
C	U53B	14	YL	2033816C1	0589391C1																																		
D	U57A OR U57B	14	OR	2033816C1	0589391C1																																		
E	U58D	16	BN	2033819C1	1652325C1																																		
CHK	DATE	CHANGE	REV	REFERENCE	DRAWN U00JRT9	NAME IRAQI BUS CIRCUIT DIAGRAMS	RELEASE NO. 59419M	DATE 10SEP04	PART NO. AE08-55712	SHEET 108																													

Figure 79 Connector Composites (7603), (7605), (8000)

10.25. CONNECTOR COMPOSITES (8000F), (8001), (8001F), (8002R), (8002L), (8003), P. 109

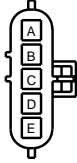
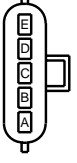
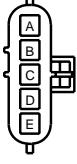


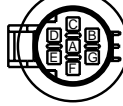
INTERNATIONAL TRUCK AND ENGINE CORPORATION				ELECTRICAL CIRCUIT DIAGRAM CHAPTER 10 CONNECTOR COMPOSITES - MATING VIEW SHOWN																																																																											
<p style="font-size: small;">THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF INTERNATIONAL TRUCK AND ENGINE CORPORATION.</p> <div style="text-align: center; padding: 10px;">  <p>RIGHT HEADLIGHT AND TURN SIGNAL (8000F) (LOCATED AT HOOD NEAR RIGHT HEADLIGHT)</p> <p>CONNECTOR: 1677851C1 BODY LOCK: 1677914C1 PLUG: 0587579C1</p> <table border="1" style="width: 100%; font-size: x-small;"> <tr><th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>TERM</th><th>SEAL</th></tr> <tr><td>A</td><td>U52D</td><td>14</td><td>YL</td><td>2033912C1</td><td>0589391C1</td></tr> <tr><td>B</td><td>U11-GA</td><td>14</td><td>WH</td><td>2033912C1</td><td>0589391C1</td></tr> <tr><td>C</td><td>U53B</td><td>14</td><td>YL</td><td>2033912C1</td><td>0589391C1</td></tr> <tr><td>D</td><td>U57B</td><td>14</td><td>OR</td><td>2033912C1</td><td>0589391C1</td></tr> <tr><td>E</td><td>U58D</td><td>14</td><td>BN</td><td>2033912C1</td><td>0589391C1</td></tr> </table> </div>				CAV	CIR	GAUGE	COLOR	TERM	SEAL	A	U52D	14	YL	2033912C1	0589391C1	B	U11-GA	14	WH	2033912C1	0589391C1	C	U53B	14	YL	2033912C1	0589391C1	D	U57B	14	OR	2033912C1	0589391C1	E	U58D	14	BN	2033912C1	0589391C1	<div style="text-align: center; padding: 10px;">  <p>LEFT HEADLIGHT AND TURN SIGNAL (8001) (LOCATED AT HOOD NEAR LEFT HEADLIGHT)</p> <p>CONNECTOR: 1661375C2 BODY LOCK: 1661376C1 PLUG: 0587579C1</p> <table border="1" style="width: 100%; font-size: x-small;"> <tr><th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>TERM</th><th>SEAL</th></tr> <tr><td>A</td><td>U52C</td><td>14</td><td>YL</td><td>2033816C1</td><td>0589391C1</td></tr> <tr><td>B</td><td>U11-GD</td><td>14</td><td>WH</td><td>2033816C1</td><td>0589391C1</td></tr> <tr><td>C</td><td>U53A</td><td>14</td><td>YL</td><td>2033816C1</td><td>0589391C1</td></tr> <tr><td>D</td><td>U56A OR U56B</td><td>14</td><td>OR</td><td>2033816C1</td><td>0589391C1</td></tr> <tr><td>E</td><td>U58C</td><td>16</td><td>BN</td><td>2033819C1</td><td>1652325C1</td></tr> </table> </div>				CAV	CIR	GAUGE	COLOR	TERM	SEAL	A	U52C	14	YL	2033816C1	0589391C1	B	U11-GD	14	WH	2033816C1	0589391C1	C	U53A	14	YL	2033816C1	0589391C1	D	U56A OR U56B	14	OR	2033816C1	0589391C1	E	U58C	16	BN	2033819C1	1652325C1
CAV	CIR	GAUGE	COLOR	TERM	SEAL																																																																										
A	U52D	14	YL	2033912C1	0589391C1																																																																										
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CAV	CIR	GAUGE	COLOR	TERM	SEAL																																																																										
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<div style="text-align: center; padding: 10px;">  <p>LEFT HEADLIGHT AND TURN SIGNAL (8001F) (LOCATED AT HOOD NEAR LEFT HEADLIGHT)</p> <p>CONNECTOR: 1677851C1 BODY LOCK: 1677914C1 PLUG: 0587579C1</p> <table border="1" style="width: 100%; font-size: x-small;"> <tr><th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>TERM</th><th>SEAL</th></tr> <tr><td>A</td><td>U52C</td><td>14</td><td>YL</td><td>2033912C1</td><td>0589391C1</td></tr> <tr><td>B</td><td>U11-GB</td><td>14</td><td>WH</td><td>2033912C1</td><td>0589391C1</td></tr> <tr><td>C</td><td>U53A</td><td>14</td><td>YL</td><td>2033912C1</td><td>0589391C1</td></tr> <tr><td>D</td><td>U56B</td><td>14</td><td>OR</td><td>2033912C1</td><td>0589391C1</td></tr> <tr><td>E</td><td>U58C</td><td>14</td><td>BN</td><td>2033912C1</td><td>0589391C1</td></tr> </table> </div>				CAV	CIR	GAUGE	COLOR	TERM	SEAL	A	U52C	14	YL	2033912C1	0589391C1	B	U11-GB	14	WH	2033912C1	0589391C1	C	U53A	14	YL	2033912C1	0589391C1	D	U56B	14	OR	2033912C1	0589391C1	E	U58C	14	BN	2033912C1	0589391C1	<div style="text-align: center; padding: 10px;">  <p>RIGHT HEADLIGHT (8002R) (LOCATED AT RIGHT HEADLIGHT)</p> <p>CONNECTOR: 3561125C1 BODY LOCK: 3561139C1 PLUG: 0587579C1 GASKET: 3561925C1</p> <table border="1" style="width: 100%; font-size: x-small;"> <tr><th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>TERM</th><th>SEAL</th></tr> <tr><td>A</td><td>U53B</td><td>14</td><td>YL</td><td>2033816C1</td><td>0589391C1</td></tr> <tr><td>B</td><td>U11-GAS</td><td>14</td><td>WH</td><td>2033816C1</td><td>0589391C1</td></tr> <tr><td>C</td><td>U52D</td><td>14</td><td>YL</td><td>2033816C1</td><td>0589391C1</td></tr> </table> </div>				CAV	CIR	GAUGE	COLOR	TERM	SEAL	A	U53B	14	YL	2033816C1	0589391C1	B	U11-GAS	14	WH	2033816C1	0589391C1	C	U52D	14	YL	2033816C1	0589391C1												
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Figure 80 Connector Composites (8000F), (8001), (8001F), (8002R), (8002L), (8003)

10.26. CONNECTOR COMPOSITES (8003), (8100R), (8100L), (8152R), (8152L), (8155R), (8155L), P. 110








INTERNATIONAL TRUCK AND ENGINE CORPORATION				ELECTRICAL CIRCUIT DIAGRAM CHAPTER 10																																																			
THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF INTERNATIONAL TRUCK AND ENGINE CORPORATION.				CONNECTOR COMPOSITES - MATING VIEW SHOWN																																																			
<p>HEADLIGHT/TURN SIGNAL (8003) (LOCATED AT INSIDE LEFT FRAME RAIL NEAR BUMPER)</p>  <p>CONNECTOR: 2039311C91 BODY LOCK: 2039342C1 PLUG: 0587579C1</p> <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th>CAV</th> <th>CIR</th> <th>GAUGE</th> <th>COLOR</th> <th>TERM</th> <th>SEAL</th> </tr> </thead> <tbody> <tr><td>A</td><td>K11-GB</td><td>12</td><td>WH</td><td>2039344C1</td><td>0589390C1</td></tr> <tr><td>B*</td><td>K58AA</td><td>14</td><td>BN</td><td>3535486C1</td><td>0589391C1</td></tr> <tr><td>C</td><td>K57A</td><td>14</td><td>OR</td><td>3535486C1</td><td>0589391C1</td></tr> <tr><td>D</td><td>K56A</td><td>14</td><td>OR</td><td>3535486C1</td><td>0589391C1</td></tr> <tr><td>E</td><td>K53A</td><td>12</td><td>YL</td><td>2039344C1</td><td>0589390C1</td></tr> <tr><td>F</td><td>K52A</td><td>12</td><td>YL</td><td>2039344C1</td><td>0589390C1</td></tr> <tr><td>G</td><td>K11-GC</td><td>14</td><td>WH</td><td>3535486C1</td><td>0589391C1</td></tr> </tbody> </table>				CAV	CIR	GAUGE	COLOR	TERM	SEAL	A	K11-GB	12	WH	2039344C1	0589390C1	B*	K58AA	14	BN	3535486C1	0589391C1	C	K57A	14	OR	3535486C1	0589391C1	D	K56A	14	OR	3535486C1	0589391C1	E	K53A	12	YL	2039344C1	0589390C1	F	K52A	12	YL	2039344C1	0589390C1	G	K11-GC	14	WH	3535486C1	0589391C1				
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<p>RIGHT FENDER MOUNT TURN SIGNAL (8100R) (LOCATED AT HOOD ABOVE RIGHT WHEEL)</p>  <p>CONNECTOR: 2036582C1 BODY LOCK: N/A PLUG: N/A</p> <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th>CAV</th> <th>CIR</th> <th>GAUGE</th> <th>COLOR</th> <th>TERM</th> </tr> </thead> <tbody> <tr><td>A</td><td>U57F</td><td>16</td><td>OR</td><td>2036586C1</td></tr> <tr><td>B</td><td>U58J</td><td>16</td><td>BN</td><td>2036586C1</td></tr> <tr><td>C</td><td>U11-GH</td><td>16</td><td>WH</td><td>2036586C1</td></tr> </tbody> </table>				CAV	CIR	GAUGE	COLOR	TERM	A	U57F	16	OR	2036586C1	B	U58J	16	BN	2036586C1	C	U11-GH	16	WH	2036586C1	<p>LEFT FENDER MOUNT TURN SIGNAL (8100L) (LOCATED AT HOOD ABOVE LEFT WHEEL)</p>  <p>CONNECTOR: 2036582C1 BODY LOCK: N/A PLUG: N/A</p> <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th>CAV</th> <th>CIR</th> <th>GAUGE</th> <th>COLOR</th> <th>TERM</th> </tr> </thead> <tbody> <tr><td>A</td><td>U56F</td><td>16</td><td>OR</td><td>2036586C1</td></tr> <tr><td>B</td><td>U58H</td><td>16</td><td>BN</td><td>2036586C1</td></tr> <tr><td>C</td><td>U11-GG</td><td>16</td><td>WH</td><td>2036586C1</td></tr> </tbody> </table>				CAV	CIR	GAUGE	COLOR	TERM	A	U56F	16	OR	2036586C1	B	U58H	16	BN	2036586C1	C	U11-GG	16	WH	2036586C1								
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<p>RIGHT TURN SIGNAL (8152R) (LOCATED AT RIGHT HEADLIGHT)</p>  <p>CONNECTOR: 1686738C1 BODY LOCK: 1664229C1 PLUG: 0587579C1 GASKET: 1664228C1</p> <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th>CAV</th> <th>CIR</th> <th>GAUGE</th> <th>COLOR</th> <th>TERM</th> <th>SEAL</th> </tr> </thead> <tbody> <tr><td>A</td><td>U57B</td><td>14</td><td>OR</td><td>1669214C1</td><td>0589391C1</td></tr> <tr><td>B</td><td>U58DC</td><td>14</td><td>BN</td><td>1669214C1</td><td>0589391C1</td></tr> <tr><td>G</td><td>U11-GAU</td><td>16</td><td>WH</td><td>1664231C1</td><td>1664232C1</td></tr> </tbody> </table>				CAV	CIR	GAUGE	COLOR	TERM	SEAL	A	U57B	14	OR	1669214C1	0589391C1	B	U58DC	14	BN	1669214C1	0589391C1	G	U11-GAU	16	WH	1664231C1	1664232C1	<p>LEFT TURN SIGNAL (8152L) (LOCATED AT LEFT HEADLIGHT)</p>  <p>CONNECTOR: 1686738C1 BODY LOCK: 1664229C1 PLUG: 0587579C1 GASKET: 1664228C1</p> <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th>CAV</th> <th>CIR</th> <th>GAUGE</th> <th>COLOR</th> <th>TERM</th> <th>SEAL</th> </tr> </thead> <tbody> <tr><td>A</td><td>U56B</td><td>14</td><td>OR</td><td>1669214C1</td><td>0589391C1</td></tr> <tr><td>B</td><td>U58CC</td><td>14</td><td>BN</td><td>1669214C1</td><td>0589391C1</td></tr> <tr><td>G</td><td>U11-GBH</td><td>16</td><td>WH</td><td>1664231C1</td><td>1664232C1</td></tr> </tbody> </table>				CAV	CIR	GAUGE	COLOR	TERM	SEAL	A	U56B	14	OR	1669214C1	0589391C1	B	U58CC	14	BN	1669214C1	0589391C1	G	U11-GBH	16	WH	1664231C1	1664232C1
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<p>RIGHT PEANUT LIGHT (8155R) (LOCATED AT RIGHT HEADLIGHT)</p>  <p>CONNECTOR: 3562119C1 BODY LOCK: N/A PLUG: N/A GASKET: 3573285C1</p> <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th>CAV</th> <th>CIR</th> <th>GAUGE</th> <th>COLOR</th> <th>TERM</th> <th>SEAL</th> </tr> </thead> <tbody> <tr><td>A</td><td>U58DD</td><td>14</td><td>BN</td><td>3562095C1</td><td>3562100C1</td></tr> <tr><td>B</td><td>U11-GAV</td><td>14</td><td>WH</td><td>3562095C1</td><td>3562100C1</td></tr> </tbody> </table>				CAV	CIR	GAUGE	COLOR	TERM	SEAL	A	U58DD	14	BN	3562095C1	3562100C1	B	U11-GAV	14	WH	3562095C1	3562100C1	<p>LEFT PEANUT LIGHT (8155L) (LOCATED AT LEFT HEADLIGHT)</p>  <p>CONNECTOR: 3562119C1 BODY LOCK: N/A PLUG: N/A GASKET: 3573285C1</p> <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th>CAV</th> <th>CIR</th> <th>GAUGE</th> <th>COLOR</th> <th>TERM</th> <th>SEAL</th> </tr> </thead> <tbody> <tr><td>A</td><td>U58CD</td><td>14</td><td>BN</td><td>3562095C1</td><td>3562100C1</td></tr> <tr><td>B</td><td>U11-GBJ</td><td>14</td><td>WH</td><td>3562095C1</td><td>3562100C1</td></tr> </tbody> </table>				CAV	CIR	GAUGE	COLOR	TERM	SEAL	A	U58CD	14	BN	3562095C1	3562100C1	B	U11-GBJ	14	WH	3562095C1	3562100C1												
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Figure 81 Connector Composites (8003), (8100R), (8100L), (8152R), (8152L), (8155R), (8155L)

10.27. CONNECTOR COMPOSITES (8310), (8311), (9100), P. 111

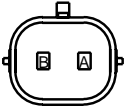





INTERNATIONAL TRUCK AND ENGINE CORPORATION <small>THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF INTERNATIONAL TRUCK AND ENGINE CORPORATION.</small>				ELECTRICAL CIRCUIT DIAGRAM CHAPTER 10 CONNECTOR COMPOSITES - MATING VIEW SHOWN																																							
ELECTRIC HORN (8310) (LOCATED AT ENGINE COMPARTMENT NEAR BUMPER)  <div style="margin-left: 150px;"> CONNECTOR: 3543888C1 BODY LOCK: 1661874C1 PLUG: 2025431C1 </div> <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <tr> <th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>TERM</th><th>SEAL</th></tr> <tr> <td>A</td><td>M85J</td><td>16</td><td>GY</td><td>1667742C1</td><td>1661872C1</td></tr> <tr> <td>B</td><td>M85-GC</td><td>16</td><td>WH</td><td>1667742C1</td><td>1661872C1</td></tr> </table>				CAV	CIR	GAUGE	COLOR	TERM	SEAL	A	M85J	16	GY	1667742C1	1661872C1	B	M85-GC	16	WH	1667742C1	1661872C1	ELECTRIC HORN (8310) (LOCATED AT ENGINE COMPARTMENT NEAR BUMPER)  <div style="margin-left: 150px;"> CONNECTOR: 1661778C1 BODY LOCK: 1661874C1 PLUG: 2025431C1 </div> <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <tr> <th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>TERM</th><th>SEAL</th></tr> <tr> <td>A</td><td>K85A</td><td>16</td><td>GY</td><td>1661875C1</td><td>1661872C1</td></tr> <tr> <td>B</td><td>K85-GA</td><td>16</td><td>WH</td><td>1661875C1</td><td>1661872C1</td></tr> </table>				CAV	CIR	GAUGE	COLOR	TERM	SEAL	A	K85A	16	GY	1661875C1	1661872C1	B	K85-GA	16	WH	1661875C1	1661872C1
CAV	CIR	GAUGE	COLOR	TERM	SEAL																																						
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CAV	CIR	GAUGE	COLOR	TERM	SEAL																																						
A	K85A	16	GY	1661875C1	1661872C1																																						
B	K85-GA	16	WH	1661875C1	1661872C1																																						
LEFT SIDE ELECTRIC HORN (8311) (LOCATED AT ENGINE COMPARTMENT NEAR BUMPER)  <div style="margin-left: 150px;"> CONNECTOR: 1661778C1 BODY LOCK: 1661874C1 PLUG: 2025431C1 </div> <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <tr> <th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>TERM</th><th>SEAL</th></tr> <tr> <td>A</td><td>M85K</td><td>16</td><td>GY</td><td>1661875C1</td><td>1661872C1</td></tr> <tr> <td>B</td><td>M85-GD</td><td>16</td><td>WH</td><td>1661875C1</td><td>1661872C1</td></tr> </table>				CAV	CIR	GAUGE	COLOR	TERM	SEAL	A	M85K	16	GY	1661875C1	1661872C1	B	M85-GD	16	WH	1661875C1	1661872C1	RIGHT SIDE ELECTRIC HORN (8311) (LOCATED AT ENGINE COMPARTMENT NEAR BUMPER)  <div style="margin-left: 150px;"> CONNECTOR: 1661778C1 BODY LOCK: 1661874C1 PLUG: 2025431C1 </div> <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <tr> <th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>TERM</th><th>SEAL</th></tr> <tr> <td>A</td><td>M85L</td><td>16</td><td>GY</td><td>1661875C1</td><td>1661872C1</td></tr> <tr> <td>B</td><td>M85-GE</td><td>16</td><td>WH</td><td>1661875C1</td><td>1661872C1</td></tr> </table>				CAV	CIR	GAUGE	COLOR	TERM	SEAL	A	M85L	16	GY	1661875C1	1661872C1	B	M85-GE	16	WH	1661875C1	1661872C1
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B	M85-GE	16	WH	1661875C1	1661872C1																																						
FUEL GAUGE INTERCONNECT (9100) (LOCATED AT INSIDE LEFT FRAME RAIL BEHIND HCU)  <div style="margin-left: 150px;"> CONNECTOR: 1671610C1 BODY LOCK: 1671608C1 PLUG: 0587579C1 </div> <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <tr> <th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>TERM</th><th>SEAL</th></tr> <tr> <td>A</td><td>N36</td><td>18</td><td>TN</td><td>2033819C1</td><td>3517771C1</td></tr> <tr> <td>B</td><td>N9D</td><td>18</td><td>GY</td><td>2033819C1</td><td>3517771C1</td></tr> </table>				CAV	CIR	GAUGE	COLOR	TERM	SEAL	A	N36	18	TN	2033819C1	3517771C1	B	N9D	18	GY	2033819C1	3517771C1	FUEL GAUGE INTERCONNECT (9100) (LOCATED AT INSIDE LEFT FRAME RAIL BEHIND HCU)  <div style="margin-left: 150px;"> CONNECTOR: 1671611C1 BODY LOCK: 1671608C1 PLUG: 0587579C1 </div> <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <tr> <th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>TERM</th><th>SEAL</th></tr> <tr> <td>A</td><td>R36</td><td>18</td><td>BK</td><td>2033911C1</td><td>1652325C1</td></tr> <tr> <td>B</td><td>R9D</td><td>18</td><td>WH</td><td>2033911C1</td><td>1652325C1</td></tr> </table>				CAV	CIR	GAUGE	COLOR	TERM	SEAL	A	R36	18	BK	2033911C1	1652325C1	B	R9D	18	WH	2033911C1	1652325C1
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						SHEET	111																																				

Figure 82 Connector Composites (8310), (8311), (9100)

10.28. CONNECTOR COMPOSITES (9101), (9254), (9255), (9260), (9258), (9260), (9261), P. 112








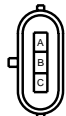
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AF FUEL SENDER (9101) (LOCATED AT REAR MOUNTED FUEL TANK)  <div style="margin-left: 100px;"> CONNECTOR: 1661778C1 BODY LOCK: 1661874C1 PLUG: 2025431C1 </div> <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr> <th>CAV</th> <th>CIR</th> <th>GAUGE</th> <th>COLOR</th> <th>TERM</th> <th>SEAL</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>R36</td> <td>18</td> <td>BK</td> <td>1661875C1</td> <td>1661872C1</td> </tr> <tr> <td>B</td> <td>R9D</td> <td>18</td> <td>WH</td> <td>1661875C1</td> <td>1661872C1</td> </tr> </tbody> </table>				CAV	CIR	GAUGE	COLOR	TERM	SEAL	A	R36	18	BK	1661875C1	1661872C1	B	R9D	18	WH	1661875C1	1661872C1	RIGHT SIDE FUEL GAUGE LEVEL SENSOR (9101) (LOCATED AT OUTSIDE RIGHT FRAME RAIL)  <div style="margin-left: 100px;"> CONNECTOR: 1661778C1 BODY LOCK: 1661874C1 PLUG: 2025431C1 </div> <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr> <th>CAV</th> <th>CIR</th> <th>GAUGE</th> <th>COLOR</th> <th>TERM</th> <th>SEAL</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>N36</td> <td>18</td> <td>TN</td> <td>1661875C1</td> <td>3568570C1</td> </tr> <tr> <td>B</td> <td>N9D</td> <td>18</td> <td>GY</td> <td>1661875C1</td> <td>3568570C1</td> </tr> </tbody> </table>				CAV	CIR	GAUGE	COLOR	TERM	SEAL	A	N36	18	TN	1661875C1	3568570C1	B	N9D	18	GY	1661875C1	3568570C1						
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B	N9D	18	GY	1661875C1	3568570C1																																												
TRANSMISSION ECU FEED FUSE (9255) (LOCATED AT BATTERY CABLES)  <div style="margin-left: 100px;"> CONNECTOR: 3512967C1 BODY LOCK: N/A PLUG: 0453133C1 </div> <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr> <th>CAV</th> <th>CIR</th> <th>GAUGE</th> <th>COLOR</th> <th>TERM</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>N14AZ</td> <td>10</td> <td>RD</td> <td>1661708C1</td> </tr> <tr> <td>B</td> <td>N14BB</td> <td>10</td> <td>RD</td> <td>1661708C1</td> </tr> </tbody> </table>				CAV	CIR	GAUGE	COLOR	TERM	A	N14AZ	10	RD	1661708C1	B	N14BB	10	RD	1661708C1	ENGINE CEC FEED FUSE (9254) (LOCATED AT BATTERY CABLES)  <div style="margin-left: 100px;"> CONNECTOR: 3512967C1 BODY LOCK: N/A PLUG: 0453133C1 </div> <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr> <th>CAV</th> <th>CIR</th> <th>GAUGE</th> <th>COLOR</th> <th>TERM</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>N14AY</td> <td>10</td> <td>RD</td> <td>1661708C1</td> </tr> <tr> <td>B</td> <td>N14BA</td> <td>10</td> <td>RD</td> <td>1661708C1</td> </tr> </tbody> </table>				CAV	CIR	GAUGE	COLOR	TERM	A	N14AY	10	RD	1661708C1	B	N14BA	10	RD	1661708C1												
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CEC NEGATIVE (9260) (LOCATED AT BATTERY CABLES)  <div style="margin-left: 100px;"> CONNECTOR: 2031522C1 BODY LOCK: 2033927C1 PLUG: 2025432C1 </div> <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr> <th>CAV</th> <th>CIR</th> <th>GAUGE</th> <th>COLOR</th> <th>TERM</th> <th>SEAL</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>N97-G</td> <td>10</td> <td>WH</td> <td>2031531C1</td> <td>2025427C1</td> </tr> <tr> <td>B</td> <td>N92-G</td> <td>12</td> <td>WH</td> <td>2031531C1</td> <td>2025428C1</td> </tr> </tbody> </table>				CAV	CIR	GAUGE	COLOR	TERM	SEAL	A	N97-G	10	WH	2031531C1	2025427C1	B	N92-G	12	WH	2031531C1	2025428C1	ENGINE CEC FEED FUSE (9258) (LOCATED AT BATTERY CABLES)  <div style="margin-left: 100px;"> CONNECTOR: 3512967C1 BODY LOCK: N/A PLUG: 0453133C1 </div> <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr> <th>CAV</th> <th>CIR</th> <th>GAUGE</th> <th>COLOR</th> <th>TERM</th> <th>SEAL</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>N14BD</td> <td>10</td> <td>RD</td> <td>1661708C1</td> <td>N/A</td> </tr> <tr> <td>B</td> <td>N14BC</td> <td>10</td> <td>RD</td> <td>1661708C1</td> <td>N/A</td> </tr> </tbody> </table>				CAV	CIR	GAUGE	COLOR	TERM	SEAL	A	N14BD	10	RD	1661708C1	N/A	B	N14BC	10	RD	1661708C1	N/A						
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CAV	CIR	GAUGE	COLOR	TERM	SEAL																																												
A	N14BD	10	RD	1661708C1	N/A																																												
B	N14BC	10	RD	1661708C1	N/A																																												
CEC NEGATIVE (9260) (LOCATED AT BATTERY CABLES)  <div style="margin-left: 100px;"> CONNECTOR: 2031520C1 BODY LOCK: 2033927C1 PLUG: 2025432C1 </div> <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr> <th>CAV</th> <th>CIR</th> <th>GAUGE</th> <th>COLOR</th> <th>TERM</th> <th>SEAL</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>N14-G</td> <td>10</td> <td>WH</td> <td>2025423C1</td> <td>2025426C1</td> </tr> <tr> <td>B</td> <td>N14-GA</td> <td>10</td> <td>WH</td> <td>2025423C1</td> <td>2025426C1</td> </tr> </tbody> </table>				CAV	CIR	GAUGE	COLOR	TERM	SEAL	A	N14-G	10	WH	2025423C1	2025426C1	B	N14-GA	10	WH	2025423C1	2025426C1	CEC POSITIVE FEED (9261) (LOCATED AT BATTERY CABLES)  <div style="margin-left: 100px;"> CONNECTOR: 1677732C1 BODY LOCK: 1667734C1 PLUG: 1675451C1 </div> <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr> <th>CAV</th> <th>CIR</th> <th>GAUGE</th> <th>COLOR</th> <th>TERM</th> <th>SEAL</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>N14BA</td> <td>10</td> <td>RD</td> <td>2025425C1</td> <td>1667735C1</td> </tr> <tr> <td>B</td> <td>N14BB</td> <td>10</td> <td>RD</td> <td>2025425C1</td> <td>1667735C1</td> </tr> <tr> <td>C</td> <td>N14BC</td> <td>10</td> <td>RD</td> <td>2025425C1</td> <td>1667735C1</td> </tr> </tbody> </table>				CAV	CIR	GAUGE	COLOR	TERM	SEAL	A	N14BA	10	RD	2025425C1	1667735C1	B	N14BB	10	RD	2025425C1	1667735C1	C	N14BC	10	RD	2025425C1	1667735C1
CAV	CIR	GAUGE	COLOR	TERM	SEAL																																												
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B	N14-GA	10	WH	2025423C1	2025426C1																																												
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Figure 83 Connector Composites (9101), (9254), (9255), (9260), (9258), (9260), (9261)

10.29. CONNECTOR COMPOSITES (9261), (9301), (9500F), P. 113

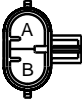
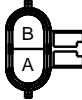
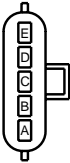
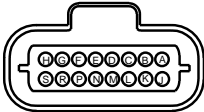
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ECM POSITIVE FEED (9261) (LOCATED AT BATTERY CABLES)  <p>CONNECTOR: 2031520C1 BODY LOCK: 2033927C1 PLUG: 2025432C1</p> <table border="1" style="width: 100%; border-collapse: collapse; font-size: 8px;"> <tr> <th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>TERM</th><th>SEAL</th></tr> <tr> <td>A</td><td>N97AA</td><td>10</td><td>RD</td><td>2025423C1</td><td>2025427C1</td></tr> <tr> <td>B</td><td>N92A</td><td>12</td><td>RD</td><td>2025422C1</td><td>2025428C1</td></tr> </table>		CAV	CIR	GAUGE	COLOR	TERM	SEAL	A	N97AA	10	RD	2025423C1	2025427C1	B	N92A	12	RD	2025422C1	2025428C1	ECM POSITIVE FEED (9261) (LOCATED AT BATTERY CABLES)  <p>CONNECTOR: 2031522C1 BODY LOCK: 2033927C1 PLUG: 2025432C1</p> <table border="1" style="width: 100%; border-collapse: collapse; font-size: 8px;"> <tr> <th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>TERM</th><th>SEAL</th></tr> <tr> <td>A</td><td>N14BA</td><td>10</td><td>RD</td><td>2031531C1</td><td>2025427C1</td></tr> <tr> <td>B</td><td>N14BB</td><td>10</td><td>RD</td><td>2031531C1</td><td>2025426C1</td></tr> </table>		CAV	CIR	GAUGE	COLOR	TERM	SEAL	A	N14BA	10	RD	2031531C1	2025427C1	B	N14BB	10	RD	2031531C1	2025426C1																																																																																																						
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STOP, TAIL AND TURN (9301) (LOCATED AT END OF FRAME)  <p>CONNECTOR: 1661375C2 BODY LOCK: 1661376C1 PLUG: 0587579C1</p> <table border="1" style="width: 100%; border-collapse: collapse; font-size: 8px;"> <tr> <th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>TERM</th><th>SEAL</th></tr> <tr> <td>A</td><td>R71F</td><td>14</td><td>BL</td><td>2033816C1</td><td>0589391C1</td></tr> <tr> <td>B</td><td>R56D</td><td>14</td><td>YL</td><td>2033816C1</td><td>0589391C1</td></tr> <tr> <td>C</td><td>R57D</td><td>14</td><td>GN</td><td>2033816C1</td><td>0589391C1</td></tr> <tr> <td>D</td><td>R68A</td><td>14</td><td>BN</td><td>2033816C1</td><td>0589391C1</td></tr> <tr> <td>E</td><td>R68-G</td><td>14</td><td>WH</td><td>2033816C1</td><td>0589391C1</td></tr> </table>		CAV	CIR	GAUGE	COLOR	TERM	SEAL	A	R71F	14	BL	2033816C1	0589391C1	B	R56D	14	YL	2033816C1	0589391C1	C	R57D	14	GN	2033816C1	0589391C1	D	R68A	14	BN	2033816C1	0589391C1	E	R68-G	14	WH	2033816C1	0589391C1	ENGINE/CHASSIS INTERCONNECT (9500F) (LOCATED AT INSIDE LEFT FRAME RAIL BEHIND ENGINE)  <p>CONNECTOR: 3580539C1 BODY LOCK: N/A PLUG: 3535430C1</p> <table border="1" style="width: 100%; border-collapse: collapse; font-size: 8px;"> <tr> <th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>TERM</th><th>SEAL</th></tr> <tr> <td>A</td><td>K94BP</td><td>12</td><td>GY</td><td>3534163C1</td><td>3535429C1</td></tr> <tr> <td>B</td><td>PLUG</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> <tr> <td>C</td><td>PLUG</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> <tr> <td>D</td><td>PLUG</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> <tr> <td>E</td><td>PLUG</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> <tr> <td>F</td><td>K87-G</td><td>18</td><td>GY</td><td>3534162C1</td><td>3535427C1</td></tr> <tr> <td>G</td><td>K3B(-)</td><td>18</td><td>GY</td><td>3534162C1</td><td>3535427C1</td></tr> <tr> <td>H</td><td>PLUG</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> <tr> <td>J</td><td>PLUG</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> <tr> <td>K</td><td>K3B(+)</td><td>18</td><td>DKBL</td><td>3534162C1</td><td>3535427C1</td></tr> <tr> <td>L</td><td>K5D(-)</td><td>20</td><td>GN</td><td>3535299C1</td><td>3535426C1</td></tr> <tr> <td>M</td><td>K5D(+)</td><td>18</td><td>YL</td><td>3534162C1</td><td>3535427C1</td></tr> <tr> <td>N</td><td>K87A</td><td>18</td><td>GY</td><td>3534162C1</td><td>3535427C1</td></tr> <tr> <td>P</td><td>K36</td><td>18</td><td>TN</td><td>3534162C1</td><td>3535427C1</td></tr> <tr> <td>R</td><td>K9</td><td>18</td><td>GY</td><td>3534162C1</td><td>3535427C1</td></tr> <tr> <td>S</td><td>K94-GE</td><td>12</td><td>WH</td><td>3534163C1</td><td>3535429C1</td></tr> </table>		CAV	CIR	GAUGE	COLOR	TERM	SEAL	A	K94BP	12	GY	3534163C1	3535429C1	B	PLUG	-	-	-	-	C	PLUG	-	-	-	-	D	PLUG	-	-	-	-	E	PLUG	-	-	-	-	F	K87-G	18	GY	3534162C1	3535427C1	G	K3B(-)	18	GY	3534162C1	3535427C1	H	PLUG	-	-	-	-	J	PLUG	-	-	-	-	K	K3B(+)	18	DKBL	3534162C1	3535427C1	L	K5D(-)	20	GN	3535299C1	3535426C1	M	K5D(+)	18	YL	3534162C1	3535427C1	N	K87A	18	GY	3534162C1	3535427C1	P	K36	18	TN	3534162C1	3535427C1	R	K9	18	GY	3534162C1	3535427C1	S	K94-GE	12	WH	3534163C1	3535429C1
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Figure 84 Connector Composites (9261), (9301), (9500F)

10.30. CONNECTOR COMPOSITES (9500M), (9501), (9503), (9507), P. 114

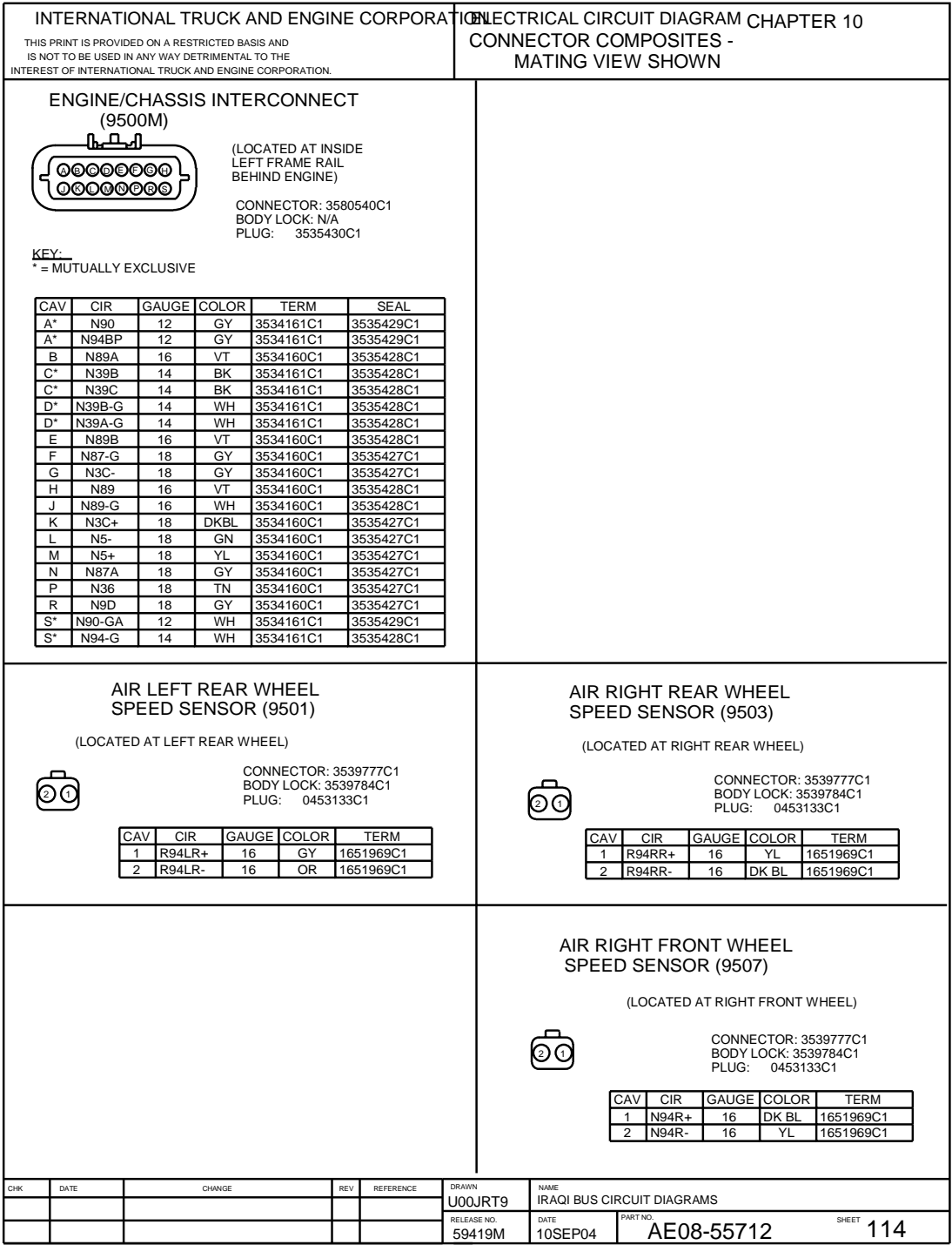


Figure 85 Connector Composites (9500M), (9501), (9503), (9507)

10.31. CONNECTOR COMPOSITES (9508), (9512), P. 115

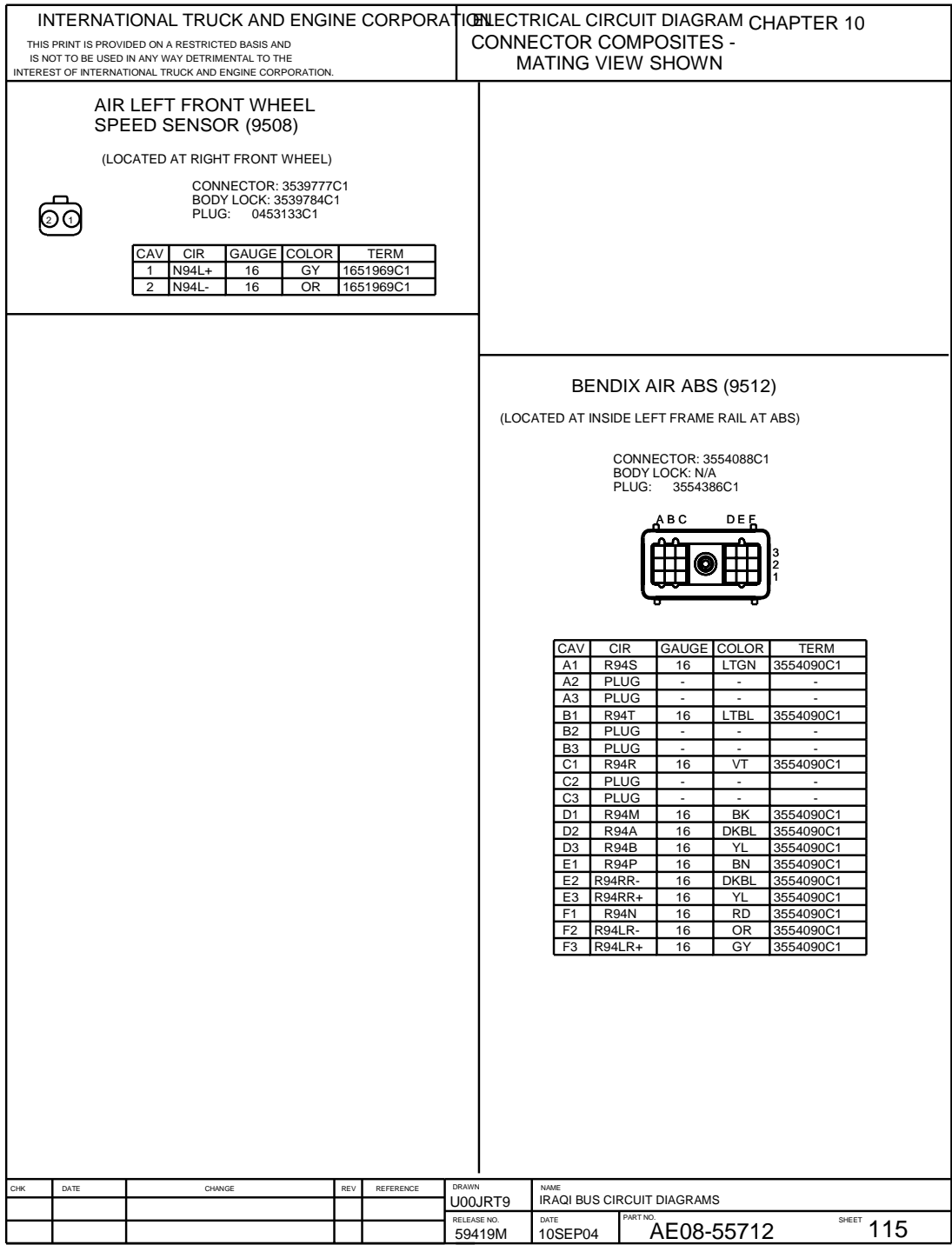


Figure 86 Connector Composites (9508), (9512)

10.32. CONNECTOR COMPOSITES (9513M), (9513F), P. 116

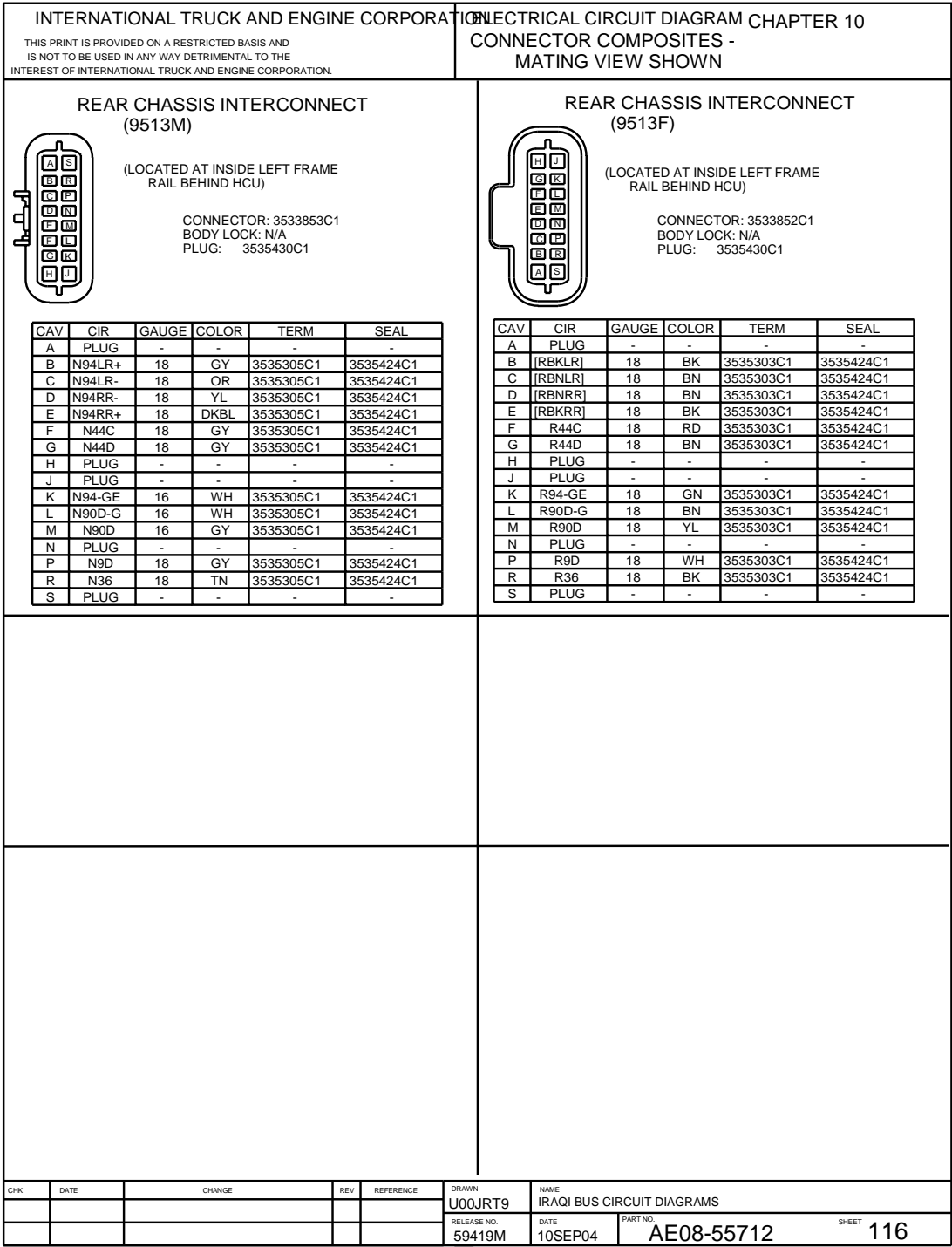


Figure 87 Connector Composites (9513M), (9513F)

10.33. CONNECTOR COMPOSITES (9518), (9519), (9520), (9521), (9522), P. 117

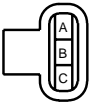
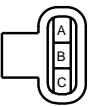
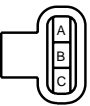
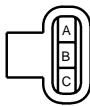

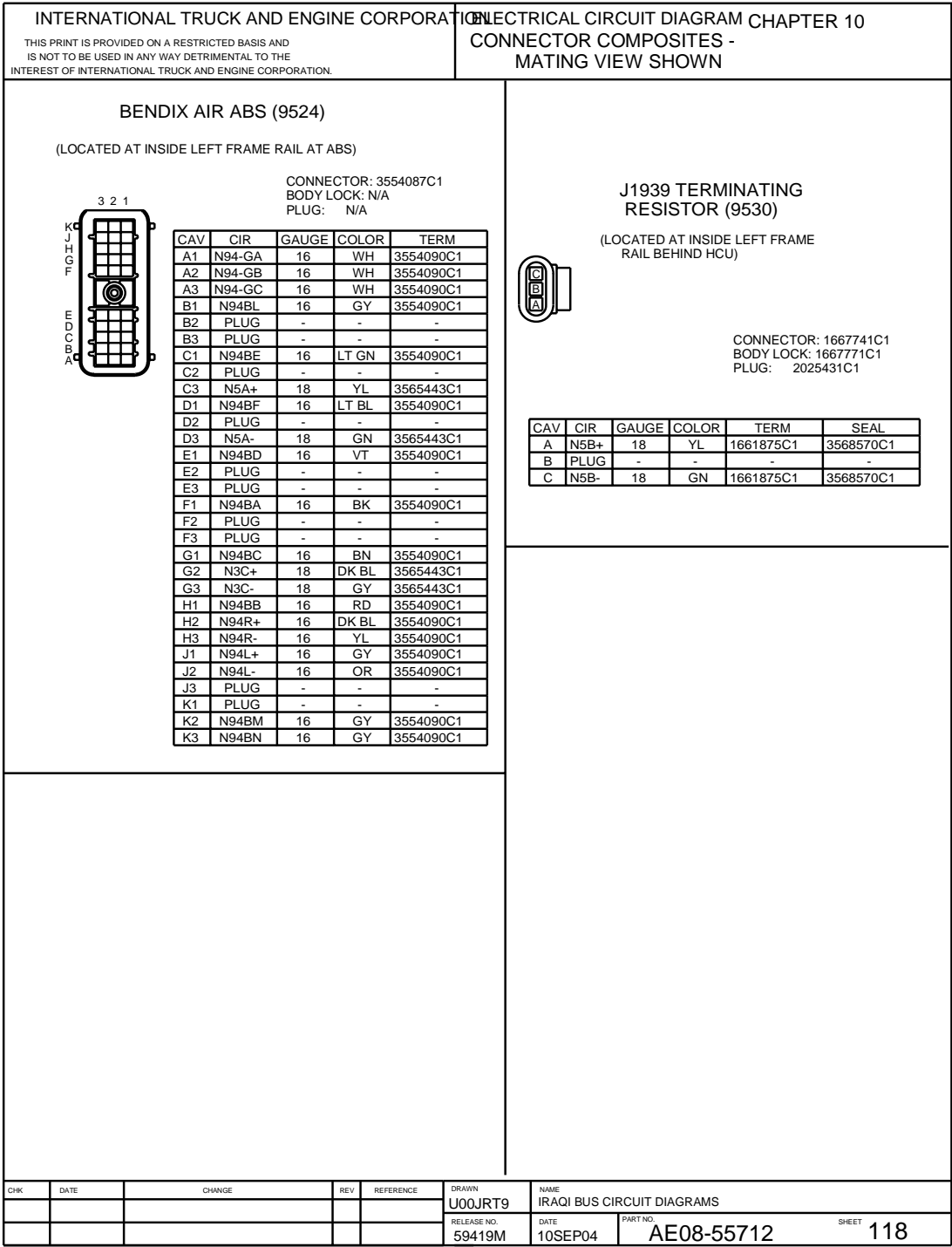
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LEFT REAR MODULATOR VALVE (9518) (LOCATED AT INSIDE LEFT FRAME RAIL)  <p>CONNECTOR: 1686834C1 BODY LOCK: 1664408C1 PLUG: 0587579C1</p> <table border="1" style="width: 100%; border-collapse: collapse; font-size: 8px;"> <tr> <th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>TERM</th><th>SEAL</th></tr> <tr> <td>A</td><td>R94M</td><td>16</td><td>BK</td><td>2033819C1</td><td>1652325C1</td></tr> <tr> <td>B</td><td>R94N</td><td>16</td><td>RD</td><td>2033819C1</td><td>1652325C1</td></tr> <tr> <td>C</td><td>R94P</td><td>16</td><td>BN</td><td>2033819C1</td><td>1652325C1</td></tr> </table>				CAV	CIR	GAUGE	COLOR	TERM	SEAL	A	R94M	16	BK	2033819C1	1652325C1	B	R94N	16	RD	2033819C1	1652325C1	C	R94P	16	BN	2033819C1	1652325C1	RIGHT REAR MODULATOR VALVE (9519) (LOCATED AT INSIDE RIGHT FRAME RAIL)  <p>CONNECTOR: 1686834C1 BODY LOCK: 1664408C1 PLUG: 0587579C1</p> <table border="1" style="width: 100%; border-collapse: collapse; font-size: 8px;"> <tr> <th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>TERM</th><th>SEAL</th></tr> <tr> <td>A</td><td>R94R</td><td>16</td><td>VT</td><td>2033819C1</td><td>1652325C1</td></tr> <tr> <td>B</td><td>R94S</td><td>16</td><td>LT GN</td><td>2033819C1</td><td>1652325C1</td></tr> <tr> <td>C</td><td>R94T</td><td>16</td><td>LT BL</td><td>2033819C1</td><td>1652325C1</td></tr> </table>				CAV	CIR	GAUGE	COLOR	TERM	SEAL	A	R94R	16	VT	2033819C1	1652325C1	B	R94S	16	LT GN	2033819C1	1652325C1	C	R94T	16	LT BL	2033819C1	1652325C1
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C	R94T	16	LT BL	2033819C1	1652325C1																																																		
LEFT FRONT MODULATOR VALVE (9520) (LOCATED AT OUTSIDE LEFT FRAME RAIL)  <p>CONNECTOR: 1686834C1 BODY LOCK: 1664408C1 PLUG: 0587579C1</p> <table border="1" style="width: 100%; border-collapse: collapse; font-size: 8px;"> <tr> <th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>TERM</th><th>SEAL</th></tr> <tr> <td>A</td><td>N94BA</td><td>16</td><td>BK</td><td>2033819C1</td><td>1652325C1</td></tr> <tr> <td>B</td><td>N94BB</td><td>16</td><td>RD</td><td>2033819C1</td><td>1652325C1</td></tr> <tr> <td>C</td><td>N94BC</td><td>16</td><td>BN</td><td>2033819C1</td><td>1652325C1</td></tr> </table>				CAV	CIR	GAUGE	COLOR	TERM	SEAL	A	N94BA	16	BK	2033819C1	1652325C1	B	N94BB	16	RD	2033819C1	1652325C1	C	N94BC	16	BN	2033819C1	1652325C1	RIGHT FRONT MODULATOR VALVE (9521) (LOCATED AT OUTSIDE RIGHT FRAME RAIL)  <p>CONNECTOR: 1686834C1 BODY LOCK: 1664408C1 PLUG: 0587579C1</p> <table border="1" style="width: 100%; border-collapse: collapse; font-size: 8px;"> <tr> <th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>TERM</th><th>SEAL</th></tr> <tr> <td>A</td><td>N94BD</td><td>16</td><td>VT</td><td>2033819C1</td><td>1652325C1</td></tr> <tr> <td>B</td><td>N94BE</td><td>16</td><td>LT GN</td><td>2033819C1</td><td>1652325C1</td></tr> <tr> <td>C</td><td>N94BF</td><td>16</td><td>LT BL</td><td>2033819C1</td><td>1652325C1</td></tr> </table>				CAV	CIR	GAUGE	COLOR	TERM	SEAL	A	N94BD	16	VT	2033819C1	1652325C1	B	N94BE	16	LT GN	2033819C1	1652325C1	C	N94BF	16	LT BL	2033819C1	1652325C1
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C	N94BF	16	LT BL	2033819C1	1652325C1																																																		
BENDIX TRACTION CONTROL (9522) (LOCATED AT CROSSMEMBER FRONT OF REAR AXLE)  <p>CONNECTOR: 3518183C1 BODY LOCK: 3518174C1 PLUG: 3527276C1</p> <table border="1" style="width: 100%; border-collapse: collapse; font-size: 8px;"> <tr> <th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>TERM</th></tr> <tr> <td>1</td><td>R94A</td><td>16</td><td>DK BL</td><td>3518961C1</td></tr> <tr> <td>2</td><td>R94B</td><td>16</td><td>YL</td><td>3518961C1</td></tr> </table>				CAV	CIR	GAUGE	COLOR	TERM	1	R94A	16	DK BL	3518961C1	2	R94B	16	YL	3518961C1																																					
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RELEASE NO. 59419M	DATE 10SEP04	PART NO. AE08-55712																																																					
				SHEET 117																																																			

Figure 88 Connector Composites (9518), (9519), (9520), (9521), (9522)

10.34. CONNECTOR COMPOSITES (9524), (9530), P. 118



10.35. CONNECTOR COMPOSITES (9531F), (9531M), (9737), P. 119

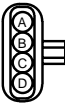


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Figure 90 Connector Composites (9531F), (9531M), (9737)