

# **SERVICE MANUAL**

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## **SERVICE MANUAL SECTION**

**3200, 4100, 4200, 4300, 4400, 7300, 7400, 7500, 7600, 7700, 8500, 8600,  
MXT, RXT Models Built Oct. 1, 2005 to Feb. 28, 2007 — ELECTRICAL  
CIRCUIT DIAGRAMS**

**Model: 3200**

**Start Date: 10/01/2005 End Date: 02/28/2007**

**Model: 4100**

**Start Date: 10/01/2005 End Date: 02/28/2007**

**Model: 4200**

**Start Date: 10/01/2005 End Date: 02/28/2007**

**Model: 4300**

**Start Date: 10/01/2005 End Date: 02/28/2007**

**Model: 4400**

**Start Date: 10/01/2005 End Date: 02/28/2007**

**Model: 7300**

**Start Date: 10/01/2005 End Date: 02/28/2007**

**Model: 7400**

**Start Date: 10/01/2005 End Date: 02/28/2007**

**Model: 7500**

**Start Date: 10/01/2005 End Date: 02/28/2007**

**Model: 7600**

**Start Date: 10/01/2005 End Date: 02/28/2007**

**Model: 7700**

**Start Date: 10/01/2005 End Date: 02/28/2007**

**Model: 8500**

**Start Date: 10/01/2005 End Date: 02/28/2007**

**Model: 8600**

**Start Date: 10/01/2005 End Date: 02/28/2007**

**Model: MXT**

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**Model: RXT**

**Start Date: 07/06/2006 End Date: 02/28/2007**

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Models Built Oct. 1, 2005 to Feb. 28, 2007 — ELECTRICAL CIRCUIT DIAGRAMS**

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**1. INSTRUCTIONS AND CHARTS (CHAPTER 1)****1.1. CIRCUIT NUMBER IDENTIFICATION AND LOCATION CHART, P. 1**

<b>INTERNATIONAL TRUCK AND ENGINE CORPORATION</b> 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.	<b>ELECTRICAL CIRCUIT DIAGRAM</b> <b>CHAPTER 1</b> <b>CIRCUIT IDENTIFICATION AND</b> <b>LOCATION CHART</b>
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**PREFIX DESIGNATIONS**

PREFIX	LOCATION
A	CAB-INSTRUMENT PANEL
B	CAB-DRIVER CONTROL MODULE
C	CAB-HEADER/CLEARANCE LIGHTS
D	CAB-ROOF/REAR PANEL
E	CAB-LEFT DOOR/DOORS
F	CAB-RIGHT DOOR/DOORS.
H	CAB-SLEEPER
J	CAB-DASH (OUTSIDE)
K	ENGINE/RADIATOR
L	TRANSMISSION
M	CHASSIS/FRONT END (CAB DASH PANEL FORWARD)
N	CHASSIS/CENTER SECTION (CAB DASH PANEL TO CAB RR XMBR)
P	CHASSIS/WHEEL BASE SECTION
R	CHASSIS/SUSPENSION/REAR AXLE/AXLES
S	CHASSIS/AF SECTION/STOP/TAIL/TURN LIGHTS

**CIRCUIT NUMBER AND IDENTIFICATIONS**

CIRCUIT NUMBER	COLOR	DESCRIPTION
1	LT BL	ALTERNATOR - FIELD
2	RD	ALTERNATOR - CHARGE
3	DK BL GY	1708 DATA LINK, SWITCH DATA LINK (+) 1708 DATA LINK, SWITCH DATA LINK (-)
4		SERIAL/DATA COMMUNICATION J1922
5	YL GN	DRIVE TRAIN J1939 DATA LINK (+) DRIVE TRAIN J1939 DATA LINK (-)
6	GY	LOW VOLTAGE ELECTRONIC FEED (9VOLTS)
7	RD	ALTERNATOR - RESISTANCE
8		

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
CNA	22DEC05	REVISED COLOR CHART	C	59581V	UOODLCK	42/43/44/85/8800 & 73/74/7500 CIRC DIAGRAMS
					RELEASE NO. 52778H	DATE 09AUG00    PART NO. AE08-52365    SHEET 01

**Figure 1    Circuit Number Identification and Location Chart**

**3200, 4100, 4200, 4300, 4400, 7300, 7400, 7500, 7600, 7700, 8500, 8600, MXT, RXT  
Models Built Oct. 1, 2005 to Feb. 28, 2007 — ELECTRICAL CIRCUIT DIAGRAMS**

**1.2. CIRCUIT NUMBER IDENTIFICATION AND LOCATION CHART, P. 2**

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/SLEEPER 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	CHANGE	REV	REFERENCE	DRAWN	NAME	
PEC	16JAN01	PRODUCTION RELEASE.	A	P54304U	U00JXP9	42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS	
					RELEASE NO.	DATE	PART NO.
					P52778H	09AUG00	AE08-52365
							SHEET 02

**Figure 2 Circuit Number Identification and Location Chart (Cont.)**



**3200, 4100, 4200, 4300, 4400, 7300, 7400, 7500, 7600, 7700, 8500, 8600, MXT, RXT  
Models Built Oct. 1, 2005 to Feb. 28, 2007 — ELECTRICAL CIRCUIT DIAGRAMS**

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### 1.3. CIRCUIT NUMBER IDENTIFICATION AND LOCATION CHART, P. 3

INTERNATIONAL TRUCK AND ENGINE CORPORATION				ELECTRICAL CIRCUIT DIAGRAM				CHAPTER 1			
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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		GY		POWER TAKE - OFF WARNING							
47		GY		SPEEDOMETER							
48		GY		TACHOMETER							
49		GY		DIFFERENTIAL LOCK WARNING							
50		YL		LIGHT SWITCH FEED							
51		YL		DIMMER SWITCH FEED							
52		YL		HEADLIGHT HI - BEAM							
53		YL		HEADLIGHT LO - BEAM							
54		BN		PARKING/MARKER LIGHTS							
55		OR		TURN SIGNAL - FEED							
56		OR YL		TURN SIGNAL LIGHTS - LEFT TURN SIGNAL LIGHTS - LEFT (BODY BUILDER CONNECTION)							
57		OR LT GN		TURN SIGNAL LIGHTS - RIGHT TURN SIGNAL LIGHTS - RIGHT (BODY BUILDER CONNECTION)							
CHK	DATE	CHANGE		REV	REFERENCE	DRAWN		NAME			
PEC	16JAN01	PRODUCTION RELEASE.		A	P54304U	U00DLCK		42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS			
						RELEASE NO.		DATE		PART NO.	
						P52778H		15 MAY 00		AE08-52365	
SHEET 03											

**Figure 3 Circuit Number Identification and Location Chart (Cont.)**

**3200, 4100, 4200, 4300, 4400, 7300, 7400, 7500, 7600, 7700, 8500, 8600, MXT, RXT  
Models Built Oct. 1, 2005 to Feb. 28, 2007 — ELECTRICAL CIRCUIT DIAGRAMS**

**1.4. CIRCUIT NUMBER IDENTIFICATION AND LOCATION CHART, P. 4**

INTERNATIONAL TRUCK AND ENGINE CORPORATION					ELECTRICAL CIRCUIT DIAGRAM		
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					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	LTGN	PWM					
74	LTGN	HEATER RECIRC MOTOR					
75	LTGN	HEATER BLOWER MOTOR					
76	LTGN	AUXILIARY FAN					
77	LTGN	AIR CONDITIONER					
78	LTGN	MIRRORS - HEATED; MOTORIZED					
79	GY	SEAT BELTS					
80	BK	SLEEPER BOX RELAY - FEED					
81	LTGN	POWER DOOR LOCKS					
CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME	
PEC	16JAN01	PRODUCTION RELEASE.	A	P54304U	U00DLCK	42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS	
					RELEASE NO.	DATE	PART NO.
					P52778H	15MAY00	AE08-52365
							SHEET
							04

**Figure 4 Circuit Number Identification and Location Chart (Cont.)**

## 1.5. CIRCUIT NUMBER IDENTIFICATION AND LOCATION CHART, P. 5

<b>INTERNATIONAL TRUCK AND ENGINE CORPORATION</b> 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.				<b>ELECTRICAL CIRCUIT DIAGRAM CHAPTER 1</b> INTERNATIONAL CIRCUIT NUMBER IDENTIFICATION AND LOCATION (CONT.)																																																																													
<p>CIRCUIT NUMBER AND IDENTIFICATIONS (CONT.)</p> <table border="1" style="margin: auto; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center;">CIRCUIT NUMBER</th> <th style="text-align: center;">COLOR</th> <th style="text-align: center;">DESCRIPTION</th> </tr> </thead> <tbody> <tr><td style="text-align: center;">82</td><td style="text-align: center;">GY</td><td>WINDSHIELD WIPER</td></tr> <tr><td style="text-align: center;">83</td><td style="text-align: center;">LTGN</td><td>POWER WINDOWS</td></tr> <tr><td style="text-align: center;">84</td><td style="text-align: center;">LTGN</td><td>CIGAR LIGHTER</td></tr> <tr><td style="text-align: center;">85</td><td style="text-align: center;">GY</td><td>HORN</td></tr> <tr><td style="text-align: center;">86</td><td style="text-align: center;">LTGN</td><td>RADIO - ENTERTAINMENT/CLOCK</td></tr> <tr><td style="text-align: center;">87</td><td style="text-align: center;">GY</td><td>WINDSHIELD WASHER</td></tr> <tr><td style="text-align: center;">88</td><td style="text-align: center;">LTGN</td><td>CLOCK/HOURMETER</td></tr> <tr><td style="text-align: center;">89</td><td style="text-align: center;">VT</td><td>AIR BAG</td></tr> <tr><td style="text-align: center;">90</td><td style="text-align: center;">GY</td><td>HYDRAULIC BRAKE PUMP</td></tr> <tr><td style="text-align: center;">91</td><td style="text-align: center;">VT</td><td>INTERCOMMUNICATIONS</td></tr> <tr><td style="text-align: center;">92</td><td style="text-align: center;">TN</td><td>TRANSMISSION CONTROLS - ELECTRONIC</td></tr> <tr><td style="text-align: center;">93</td><td style="text-align: center;">TN</td><td>AXLE SHIFT CONTROL</td></tr> <tr><td style="text-align: center;">94</td><td style="text-align: center;">GY</td><td>ANTILOCK BRAKE SYSTEM</td></tr> <tr><td style="text-align: center;">95</td><td style="text-align: center;">TN</td><td>EXHAUST EMISSION</td></tr> <tr><td style="text-align: center;">96</td><td style="text-align: center;">YL</td><td>SNOW PLOW LIGHTS/CRUISE CONTROL</td></tr> <tr><td style="text-align: center;">97</td><td style="text-align: center;">VT</td><td>ENGINE CONTROLS - ELECTRONIC</td></tr> <tr><td style="text-align: center;">98</td><td style="text-align: center;">BK</td><td>DATALINK AND DIAGNOSTICS</td></tr> <tr><td style="text-align: center;">99</td><td style="text-align: center;">VT</td><td>ACCELERATOR POSITION SENSOR (APS)</td></tr> <tr><td style="text-align: center;">100</td><td style="text-align: center;">GY</td><td>AIR HORN (ELECTRIC SOLENOID ACTUATED)</td></tr> <tr><td style="text-align: center;">101</td><td style="text-align: center;">TN</td><td>BRAKE APPLICATION AIR</td></tr> <tr><td style="text-align: center;">102</td><td style="text-align: center;">YL</td><td>FLASH TO PASS</td></tr> <tr><td style="text-align: center;">103</td><td style="text-align: center;">LTGN</td><td>BODY BUILDER AUX. FEED</td></tr> <tr><td style="text-align: center;">104</td><td style="text-align: center;">DKBL</td><td>REMOTE START/STOP</td></tr> <tr><td style="text-align: center;">105</td><td style="text-align: center;">LTGN</td><td>HEATED SEATS</td></tr> </tbody> </table>							CIRCUIT NUMBER	COLOR	DESCRIPTION	82	GY	WINDSHIELD WIPER	83	LTGN	POWER WINDOWS	84	LTGN	CIGAR LIGHTER	85	GY	HORN	86	LTGN	RADIO - ENTERTAINMENT/CLOCK	87	GY	WINDSHIELD WASHER	88	LTGN	CLOCK/HOURMETER	89	VT	AIR BAG	90	GY	HYDRAULIC BRAKE PUMP	91	VT	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/CRUISE CONTROL	97	VT	ENGINE CONTROLS - ELECTRONIC	98	BK	DATALINK AND DIAGNOSTICS	99	VT	ACCELERATOR POSITION SENSOR (APS)	100	GY	AIR HORN (ELECTRIC SOLENOID ACTUATED)	101	TN	BRAKE APPLICATION AIR	102	YL	FLASH TO PASS	103	LTGN	BODY BUILDER AUX. FEED	104	DKBL	REMOTE START/STOP	105	LTGN	HEATED SEATS
CIRCUIT NUMBER	COLOR	DESCRIPTION																																																																															
82	GY	WINDSHIELD WIPER																																																																															
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89	VT	AIR BAG																																																																															
90	GY	HYDRAULIC BRAKE PUMP																																																																															
91	VT	INTERCOMMUNICATIONS																																																																															
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<b>CHK</b>	<b>DATE</b>	<b>CHANGE</b>	<b>REV</b>	<b>REFERENCE</b>	<b>DRAWN</b>	<b>NAME</b>																																																																											
21	SEP05	CONVERSION FROM SABER TO U8	D	59756E	UOODLCK	42/43/44/65/8600 & 73/74/7500 CIRC DIAGRAMS																																																																											
					RELEASE NO.	DATE																																																																											
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					PART NO.	SHEET																																																																											
					AE08-52365	05																																																																											

Figure 5 Circuit Number Identification and Location Chart (Cont.)

3200, 4100, 4200, 4300, 4400, 7300, 7400, 7500, 7600, 7700, 8500, 8600, MXT, RXT  
Models Built Oct. 1, 2005 to Feb. 28, 2007 — ELECTRICAL CIRCUIT DIAGRAMS

## 1.6. NAVPAK/ECM I6 ENGINE CONTROLLER CONNECTOR PIN NUMBER IDENTIFICATION, P. 6

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 INTERNATIONAL TRUCK AND ENGINE CORPORATION.				INTERNATIONAL NAVPAK/ECM I6 ENGINE CONTROLLER CONNECTOR PIN NUMBER IDENTIFICATION	
ECM PIN#	TERM	DESCRIPTION	ECM PIN#	TERM	DESCRIPTION
12	AAT	AMBIENT AIR TEMP. SENSOR	27	IVS	IDLE VALIDATION SWITCH
33	ACD	A/C DEMAND	54	OWL	OIL/WATER WARNING LIGHT
8	APS	ACCELERATOR POS. SENSOR	25	PWR RLY	CEC MAIN POWER RELAY SIGNAL
16	ATA(+)	J1708 DATALINK (+)	31	RAS	RESUME/ACCELERATE
17	ATA(-)	J1708 DATALINK (-)	37	RPRF	PRESET SPEED
29	BAP	BAROMETRIC AIR PRESS. SENSOR	30	RPS	REMOTE ACCELERATOR POS. SENS. SIG.
43	BN01	BRAKE STATUS #1	6	RPS-RTN	REMOTE ACCELERATOR POS. SENS. RTN.
44	BN02	BRAKE STATUS #2	36	RVAR	VARIABLE SPEED SWITCH
18	CAN SHLD	DRIVETRAIN J1939 DATALINK SHLD	32	SCS	SET/COAST
19	CAN(+)	DRIVETRAIN J1939 DATALINK (+)	45	SIL	SERVICE INTERVAL LIGHT
20	CAN(-)	DRIVETRAIN J1939 DATALINK (-)	34	STL	SELF TEST INPUT
15	*****	RETARDER/EXHAUST BRAKE REQUEST	48	SUL	SHIFT UP LIGHT
10	CLS	COOLANT LEVEL SENSOR	59	TACA	TACHOMETER A
35	COD	CRUISE ON/OFF	60	TACB	TACHOMETER B
21	DC(+)	POWER	38	TCSS	TORQUE CURVE SELECTION INPUT
22	DC(+)	POWER	28	TSA	TWO SPEED AXLE
1	DC(-)	GROUND	3	VBREF(5V)	ACCELERATOR SENSOR SUPPLY
2	DC(-)	GROUND	11	VBREF GND	ACCELERATOR SENSOR GROUND
26	DDS	DRIVELINE DISENGAGED INPUT	5	VCREF(5V)	REMOTE ACCELERATOR SENS. SUPPLY
42	DPS	GROUND	7	VCREF GND	REMOTE ACCELERATOR SENSOR GND
46	ECI	ENGINE CRANK INHIBIT	24	VIGN	IGNITION FEED
56	EDL	TRANSMISSION KICKDOWN	47	VRE	RETARDER/EXHAUST BRAKE ENABLE
53	GPL	GLOW PLUG LIGHT	39	VSS(+)	VEHICLE SPEED SENSOR (+)
4	HGE	HYD. PRESS GOVERNOR ENABLE	40	VSS(-)	VEHICLE SPEED SENSOR (-)
49	HMI	HYDRAULIC PRESS GOVERNOR IND. LT	58	VSSCALA	SPEEDOMETER SIGNAL A
13	HPS	HYDRAULIC PRESSURE SENSOR	57	VSSCALB	SPEEDOMETER SIGNAL B
41	HS0(+)	POWER	55	WARN	ENGINE WARNING LIGHT
23	HS0(-)	GROUND			
CHK	DATE	CHANGE	REV	REFERENCE	DRAWN
2/15/05		CONVERSION FROM SABER TO UG	D	59758E	U00JXP9
					NAME
					42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS
					RELEASE NO.
					52778H
					DATE
					09AUG00
					PART NO.
					AE08-52365
					SHEET
					06

Figure 6 NAVPAK/ECM I6 Engine Controller Connector Pin Number Identification

## 1.7. CIRCUIT DIAGRAM INSTRUCTIONS, P. 7

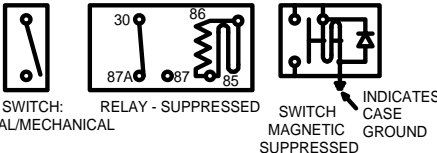
INTERNATIONAL TRUCK AND ENGINE CORPORATION

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ELECTRICAL CIRCUIT DIAGRAM CHAPTER 1

CIRCUIT DIAGRAM INSTRUCTIONS

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



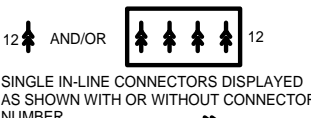
SWITCH: MANUAL/MECHANICAL

RELAY - SUPPRESSED

SWITCH MAGNETIC GROUND SUPPRESSED

INDICATES CASE MAGNETIC GROUND SUPPRESSED

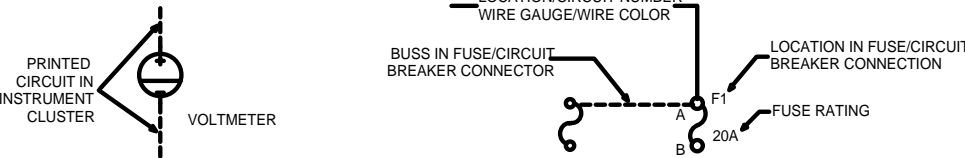
B - MULTIPLE CONNECTIONS ARE DISPLAYED ON SCHEMATIC AS SHOWN. REFER TO CONNECTOR COMPOSITE WITH APPLICABLE NUMBER FOR MORE COMPLETE INFORMATION.



12 AND/OR 12

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

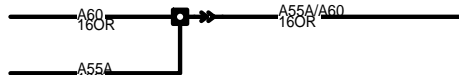
F1

20A

A

B

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



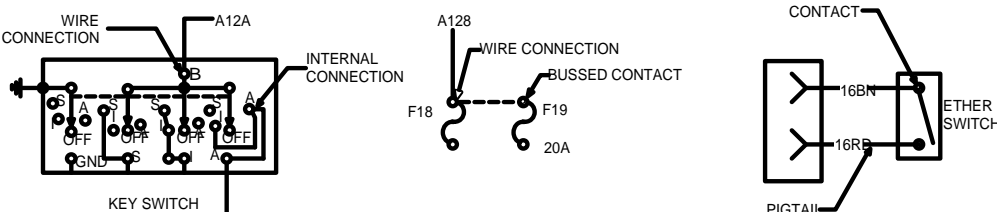
A60

180R

A55A

180R

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



WIRE CONNECTION

A12A

INTERNAL CONNECTION

KEY SWITCH

A12

A128

WIRE CONNECTION

BUSSED CONTACT

F18

F19

20A

CONTACT

16BN

16RB

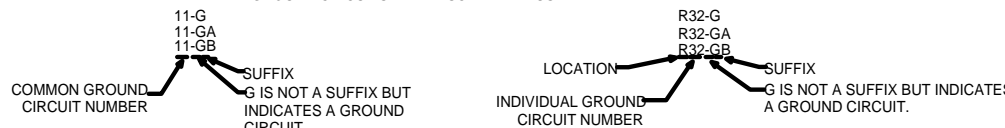
PIGTAIL

ETHER SWITCH

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 97 CRUISE CONTROL, 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 THUS:



COMMON GROUND CIRCUIT NUMBER

11-G

11-GA

11-GB

SUFFIX

G IS NOT A SUFFIX BUT INDICATES A GROUND CIRCUIT.

LOCATION

INDIVIDUAL GROUND CIRCUIT NUMBER

R32-G

R32-GA

R32-GB

SUFFIX

G IS NOT A SUFFIX BUT INDICATES A GROUND CIRCUIT.

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
PEC	16JAN01	PRODUCTION RELEASE	A	P54304U	U00DLCK	42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS
					RELEASE NO.	DATE
					P52778H	15MAY00
						PART NO.
						AE08-52365
						SHEET
						07

**Figure 7 Circuit Diagram Instructions**

## 1.8. CIRCUIT DIAGRAM INSTRUCTIONS, P. 8

INTERNATIONAL TRUCK AND ENGINE CORPORATION

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.

ELECTRICAL CIRCUIT DIAGRAM

CHAPTER 1

CIRCUIT DIAGRAM INSTRUCTIONS

G - ABBREVIATIONS: COLOR, NOUN AND ENGINE

COLOR ABBREVIATION

AQ - AQUA

BK - BLACK

BL - BLUE

BN - BROWN

DK GN - DARK GREEN

GD - GOLD

GY - GRAY

GN - GREEN

LT BL - LIGHT BLUE

LT GN - 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

ISM

N14E PLUS

C-10,C-12

V8-AVNT

I6-HEUI

- MFG (CUMMINS) 10.8 LITER ELECTRONIC ENGINE CONTROL

- MFG (CUMMINS) 14 LITER ELECTRONIC ENGINE CONTROL

- MFG (CATERPILLAR) 10.3 LITER ELECTRONIC ENGINE CONTROL

- MFG (INTERNATIONAL) V8 6.0 LITER ELECTRONIC ENGINE CONTROL

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

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME	
PEC	16JAN01	PRODUCTION RELEASE.	A	P54304U	U00JXP9	42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS	
					RELEASE NO.	DATE	PART NO.
					P52778H	10AUG00	AE08-52365
							SHEET
							08

**Figure 8 Circuit Diagram Instructions (Cont.)**

3200, 4100, 4200, 4300, 4400, 7300, 7400, 7500, 7600, 7700, 8500, 8600, MXT, RXT  
Models Built Oct. 1, 2005 to Feb. 28, 2007 — ELECTRICAL CIRCUIT DIAGRAMS

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## 1.9. SCHEMATIC SYMBOL CHART, P. 9

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 INTERNATIONAL TRUCK AND ENGINE CORPORATION.				SCHEMATIC SYMBOL CHART																															
SYMBOL		DESCRIPTION		SYMBOL		DESCRIPTION																													
		MALE/FEMALE IN-LINE CONNECTION				HORN																													
		FEMALE TERMINAL				MAGNETIC SWITCH																													
		MALE TERMINAL																																	
		GROUND				LIGHT - DOUBLE FILAMENT																													
		FUSE																																	
		LIGHT EMITTING DIODE				SENDER - OIL, WATER, FUEL, TEMPERATURE																													
		RESISTOR																																	
		SWITCH CONTACT, NORMALLY OPEN				MOTOR - ELECTRIC																													
		SWITCH CONTACT, NORMALLY CLOSED																																	
		JUNCTION POINT				SOLENOID - GENERAL USAGE																													
		SPLICE																																	
		SWITCH-PRESSURE				LIGHT - SINGLE FILMENT																													
		SWITCH-MANUAL/MECHANICAL																																	
		RELAY-SUPPRESSED				CIGAR LIGHTER																													
		FAN SWITCH																																	
		TERMINATING RESISTOR																																	
CH#				DATE				CHANGE				REV				REFERENCE				DRAWN				NAME											
041				17DEC08				REVISED AND REDRAWN				C				61280T				UOODLCK				CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500											
																				RELEASE NO.				DATE				PART NO.				SHEET			
																				52778H				19MAY00				AE08-52365				009			

Figure 9 Schematic Symbol Chart





**3200, 4100, 4200, 4300, 4400, 7300, 7400, 7500, 7600, 7700, 8500, 8600, MXT, RXT  
Models Built Oct. 1, 2005 to Feb. 28, 2007 — ELECTRICAL CIRCUIT DIAGRAMS**

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## 1.11. LAMP BULB CHART, P. 11

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 INTERNATIONAL TRUCK AND ENGINE CORPORATION.				LAMP BULB CHART			
BULB APPLICATION		CANDLEPOWER OR WATTS		BULB TRADE NUMBER			
BACK-UP LIGHTS		32 CANDLEPOWER		GE1156			
CLEARANCE & IDENTIFICATION		3 CANDLEPOWER		GE193			
COURTESY LIGHT		3 CANDLEPOWER		GE168			
DOVE LIGHTS		12 CANDLEPOWER		GE561			
FOG LIGHTS		55 CANDLEPOWER		VH550			
HEAD LIGHTS:							
LOW BEAMS		65 WATTS		GE9007			
HIGH BEAMS		65 WATTS		GE9007			
INSTRUMENT CLUSTER:							
GAUGE BACK LIGHT				082S270538-3			
GAUGE WARNING LED (RED)				082S272109-3			
RANGE INHIBIT LED (YELLOW)				082S272109-4			
COLD AMBIENT PROTECTION LED (YELLOW)				082S272109-4			
FUEL FILTER LED (YELLOW)				082S272109-4			
WARN ENGINE LED (YELLOW)				082S272109-4			
STOP ENGINE LED (RED)				082S272109-3			
BRAKE PRESSURE LED (RED)				082S272109-3			
BRAKE FLUID LED (RED)				082S272109-3			
WAIT TO START LED (YELLOW)				082S272109-4			
CHECK TRANSMISSION LED (YELLOW)				082S272109-4			
TRAILER ABS LED (YELLOW)				082S272109-4			
WASHER FLUID LED (YELLOW)				082S272109-4			
LEFT TURN SIGNAL LED (GREEN)				082S272109-2			
TRACTION CONTROL LED (GREEN)				082S272109-2			
WATER IN FUEL LED(YELLOW)				082S272109-4			
PARK FLUID LED LIGHT (RED)				082S272109-3			
CHECK ELECTRICAL SYSTEMS LED (YELLOW)				082S272109-4			
PARK BRAKE LED (RED)				082S272109-3			
CRUISE CTRL ACTIVE LED (GREEN)				082S272109-2			
ANTILOCK BRAKING SYSTEM LED (YELLOW)				082S272109-4			
RIGHT TURN LED (GREEN)				082S272109-2			
COOLANT LEVEL LED (RED)				082S272109-3			
SEAT BELT LED (RED)				082S272109-3			
HIGH BEAM ICON LED (BLUE)				082S272109-5			
CHECK AIR CONDITIONER LED (YELLOW)				082S272109-4			
RETARD OVER HEAT LED (RED)				082S272109-3			
PTO/THROTTLE LED (RED)				082S272109-3			
MAP LIGHT		3 CANDLEPOWER		1816			
SIDE MARKER				2458			
STOP & TURN/TAIL & LICENSE PLATE		32/3 CANDLEPOWER		1157			
TURN SIGNAL/MARKER (FENDER)				3157			
TURN SIGNAL & MARKER LIGHT				2356			
WORK (TRAILER HOOK-UP) LIGHT				4411			
CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME	
PEC	16JAN01	PRODUCTION RELEASE	A	P54304U	U00DLCK	42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS	
PEC	18JUN01	REVISED DRWG SHEET.	B	P54634F	RELEASE NO. P52778H	DATE 20JUN00	PART NO. AE08-52365
						SHEET 11	

**Figure 11 Lamp Bulb Chart**

## 1.12. INTERNATIONAL V8 AND I6 ECM CONTROLLER CONNECTORS PIN NUMBER IDENTIFICATION, P.12

INTERNATIONAL TRUCK AND ENGINE CORPORATION

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.

ELECTRICAL CIRCUIT DIAGRAM

INTERNATIONAL V8 & I6 ECM  
CONTROLLER CONNECTORS PIN  
NUMBER IDENTIFICATION

CHAPTER 1

CONNECTOR X3 REFERENCE (6020)

ECM PIN #	TERM	DESCRIPTION
1	FPM	FUEL PUMP MONITOR
2	FLI	FUEL LEVEL INDICATOR
3	KL15	IGNITION FEED
4	ECL	ENGINE COOLANT LEVEL
5	MPR	MAIN POWER RELAY
6	KL31	GROUND
7	KL31	GROUND
8	DDS	DRIVELINE DISENGAGE SWITCH
9	FPC	FUEL PUMP CONTROL
10	TCSS	TORQUE CURVE SELECT SWITCH
11	TACH	TACHOMETER CONTROL
12	CAN1+	DRIVETRAIN J1939 DATALINK +
13	CAN1-	DRIVETRAIN J1939 DATALINK -
14	RAS	RESUME/ACCELERATE
15	CAN1-SHLD	DRIVETRAIN J1939 DATALINK SHLD
16		NOT POPULATED
17	VSS_CAL	VEHICLE SPEED SENSOR CALIBRATION
18	VRE	VEHICLE RETARDER ENABLE
19	RPRE	REMOTE PRESET PTO ENABLE
20	RVAR	REMOTE VARIABLE PTO ENABLE
21	SCS	SET/COAST
22	ESHTR	ELECTRONIC SHUTTER RELAY
23	ECI	ENGINE CRANK INHIBIT
24	BAP	BAROMETRIC AIR PRESSURE

CONNECTOR X4 REFERENCE (6021)

ECM PIN #	TERM	DESCRIPTION
1	KL87	BATTERY POWER
2	KL87	BATTERY POWER
3		NOT POPULATED
4	VBREF	SENSOR REFERENCE VOLTAGE
5		NOT POPULATED
6	LSI_SPARE2	LOW SPEED INPUT 2
7		NOT POPULATED
8		NOT POPULATED
9	VSS-	VEHICLE SPEED SENSOR-
10	VSS+	VEHICLE SPEED SENSOR+
11		NOT POPULATED
12	IVS	IDLE VALIDATION SWITCH
13		NOT POPULATED
14	EFAN	ELECTRIC FAN CONTROL
15	LSO_SPARE4	LOW SIDE OUTPUT 4
16		NOT POPULATED
17		NOT POPULATED
18	APS	ACCELERATION POSITION SENSOR
19		NOT POPULATED
20	ATA+	J1708 DATALINK +
21	ATA-	J1708 DATALINK -
22		NOT POPULATED
23	GSC	GENSET SPEED CONTROL
24	KL_31B	SENSOR REFERENCE GROUND

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME		
CNA	25FEB03	PIN 6 OF CONN X4 INOUT CHANGED TO INPUT	B	58928S	U00DLCK	42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS		
					RELEASE NO.	DATE	PART NO.	SHEET
					P54304U	16JAN01	AE08-52365	12

**Figure 12 International V8 and I6 ECM Controller Connectors Pin Number Identification**

## 2. 12 VOLT POWER DISTRIBUTION CIRCUIT DIAGRAMS (CHAPTER 2)

### 2.1. ACCESSORY, P. 1

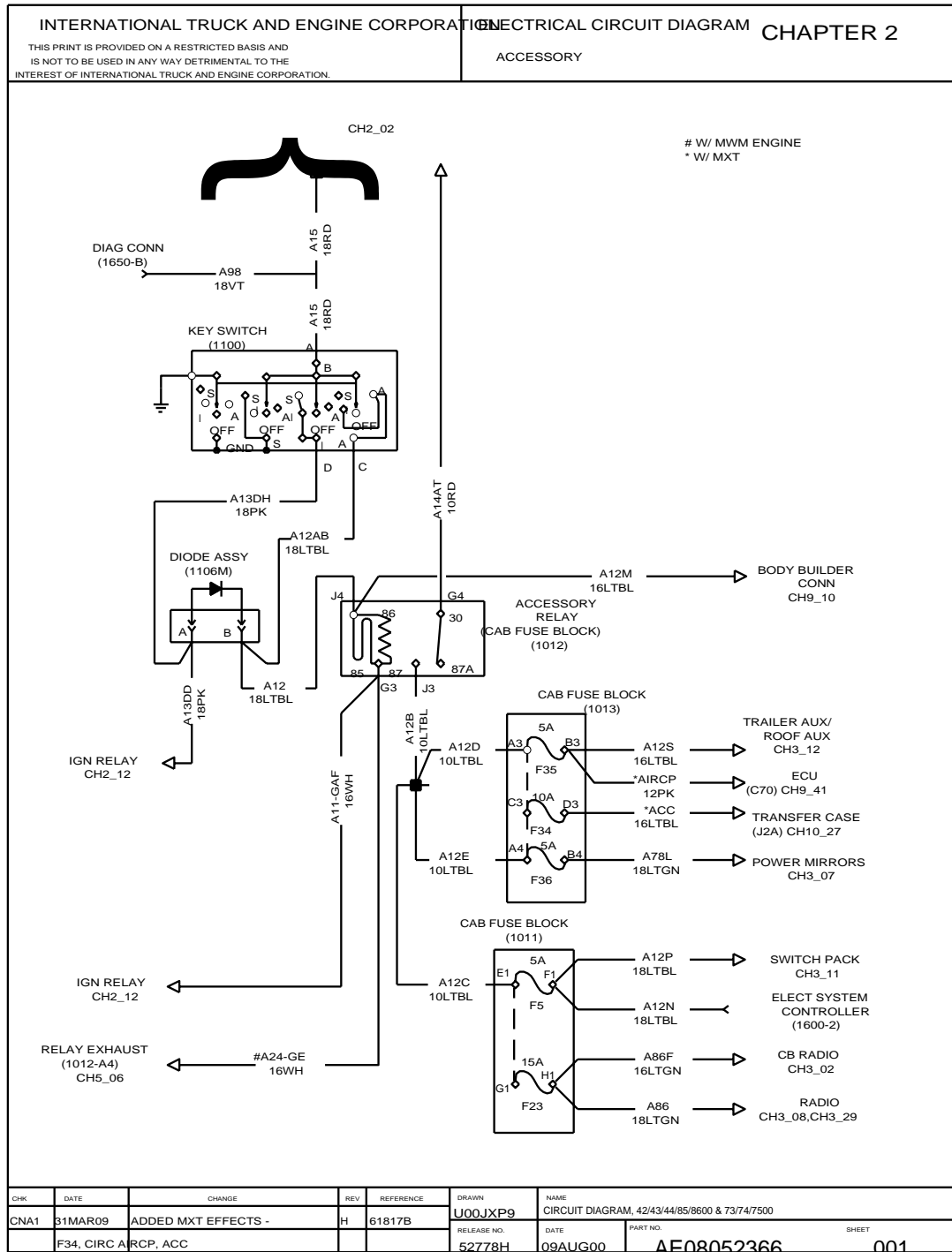
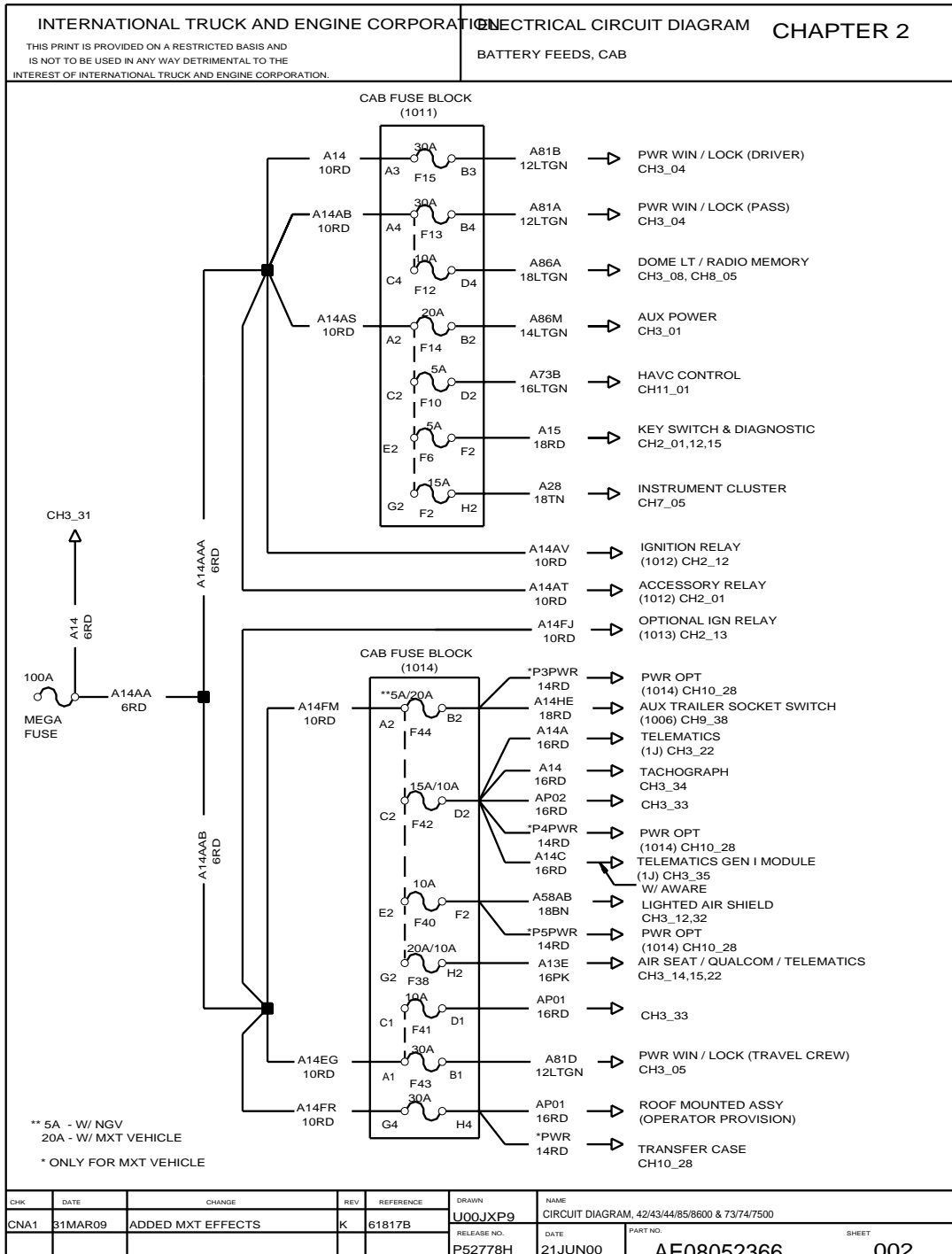


Figure 13 Accessory

## 2.2. BATTERY FEEDS, CAB, P. 2



**Figure 14 Battery Feeds, Cab**

## 2.3. BATTERY, P. 3

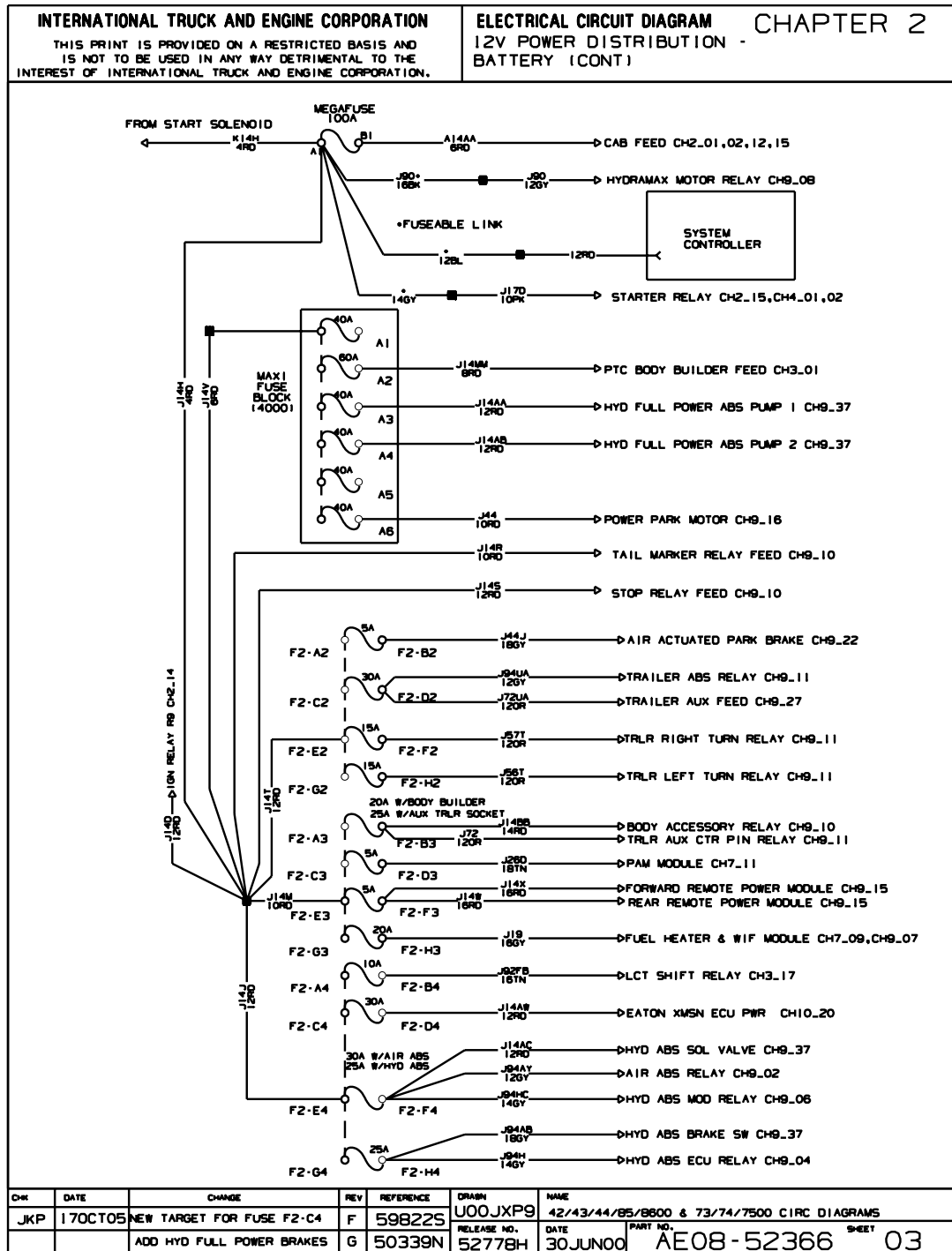
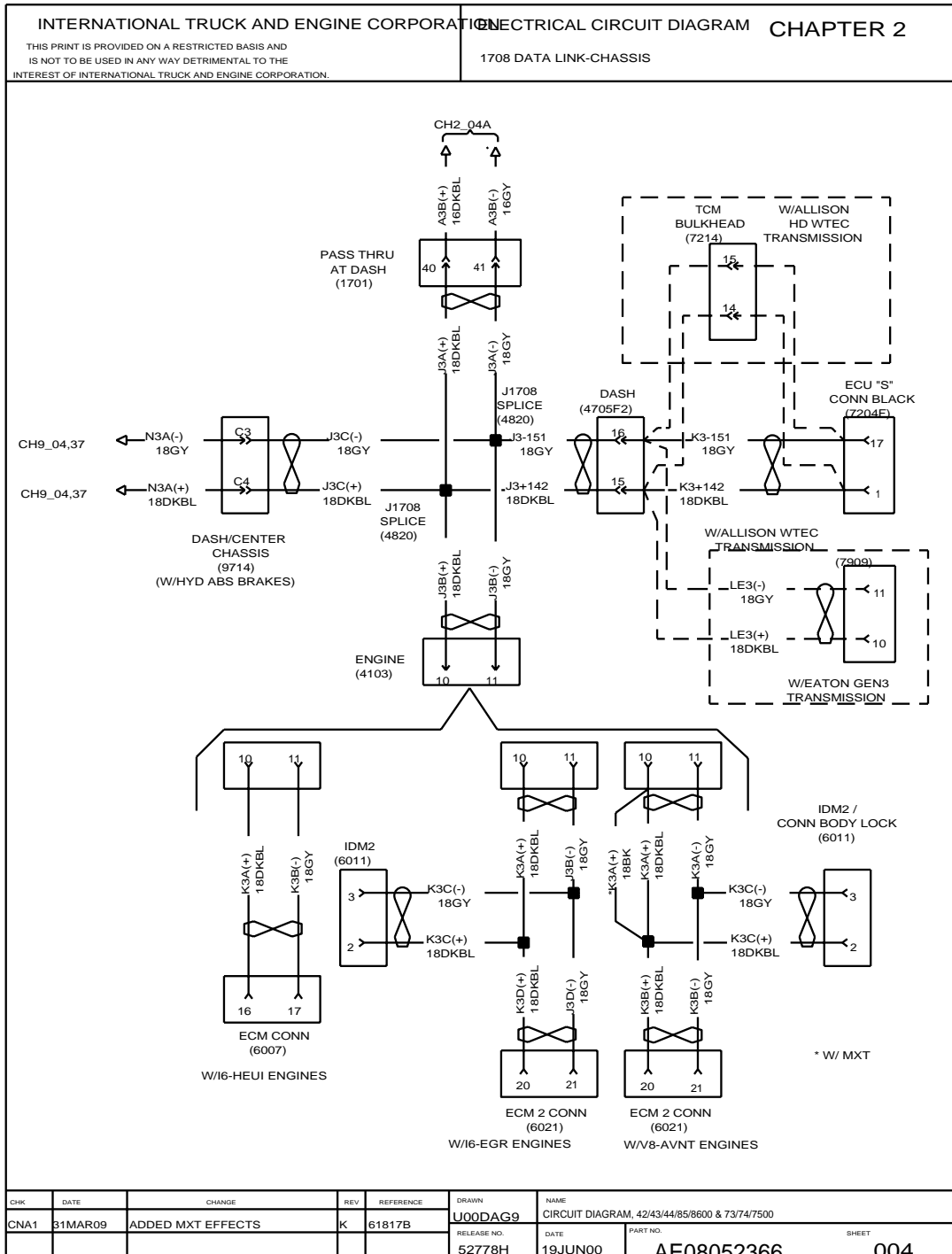


Figure 15 Battery

## 2.4. 1708 DATA LINK-CHASSIS, P. 4



**Figure 16 1708 Data Link-Chassis**

## 2.5. J-1708 DATA LINK-CAB, P. 4A

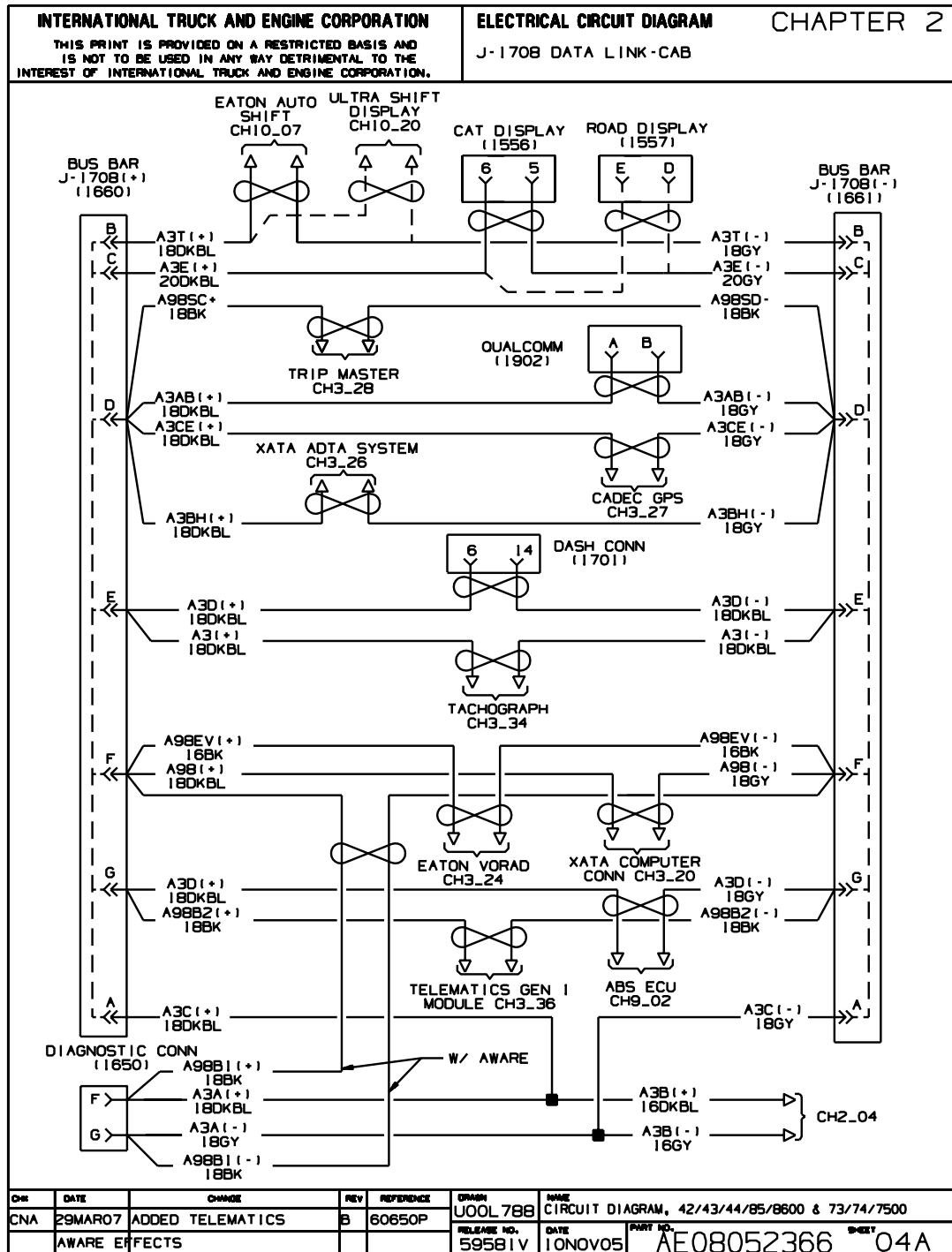
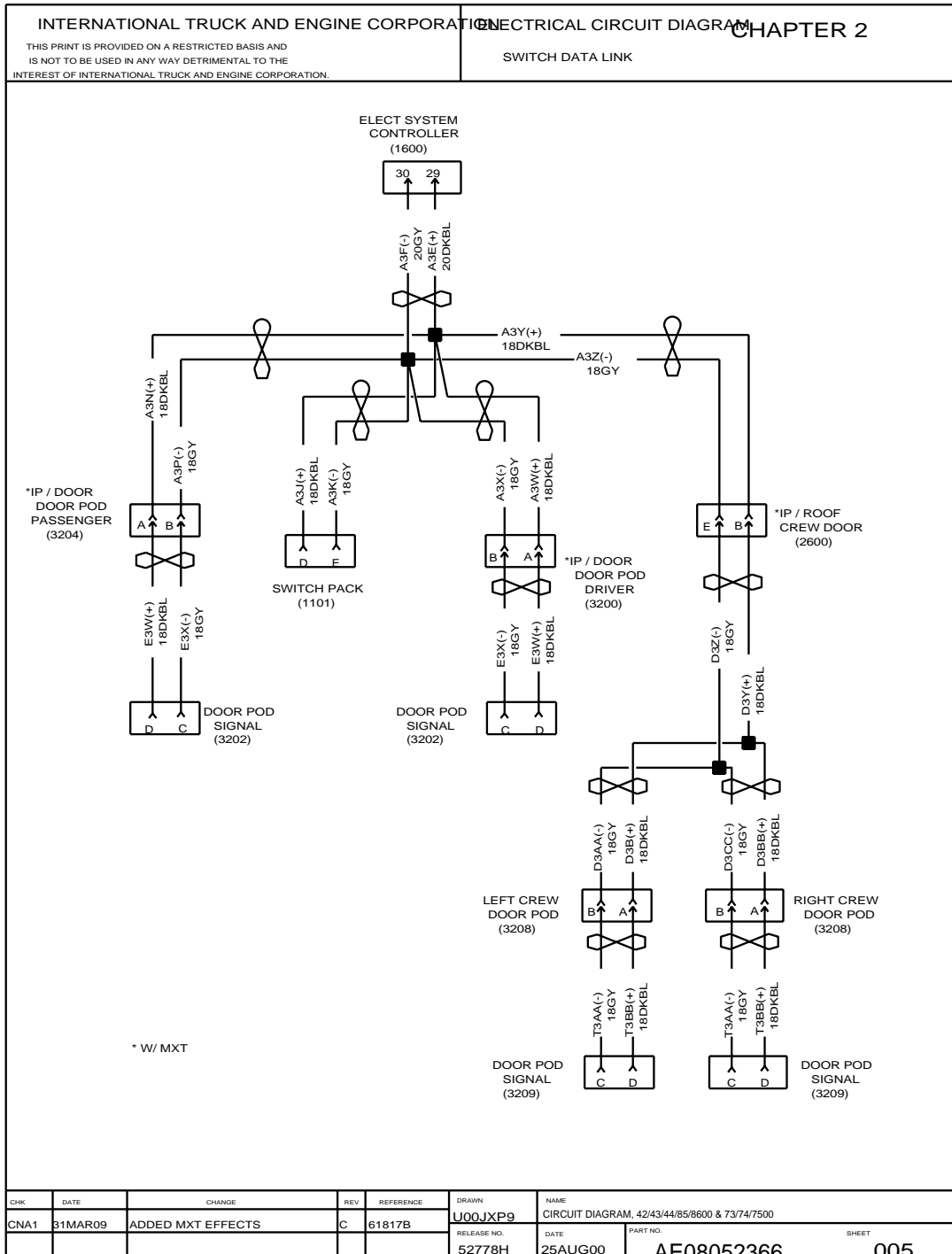


Figure 17 J-1708 Data Link-Cab

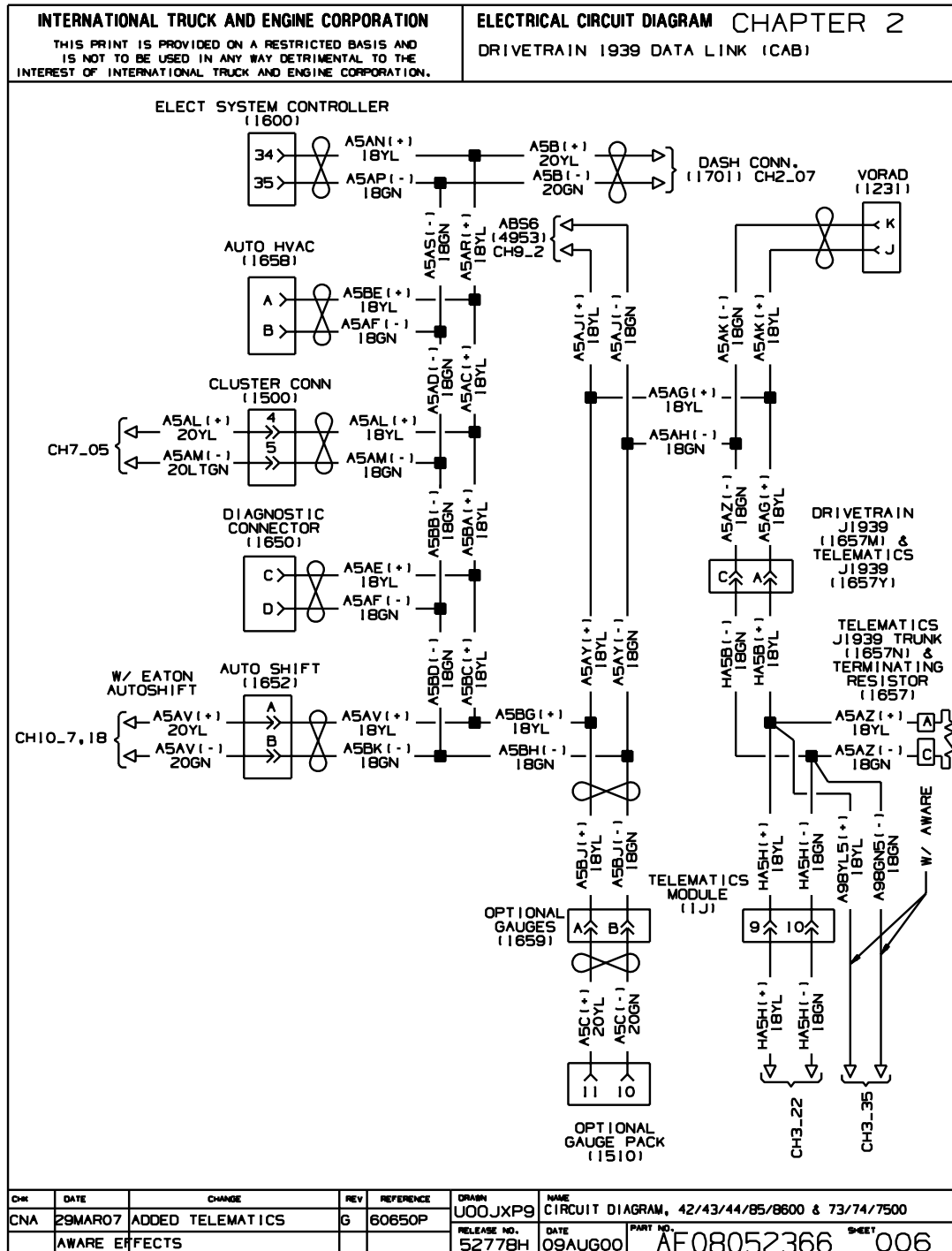
## 2.6. SWITCH DATA LINK, P. 5



**Figure 18 Switch Data Link**



## 2.7. DRIVETRAIN 1939 DATA LINK (CAB), P. 6



**Figure 19 Drivetrain 1939 Data Link (Cab)**

## 2.8. DRIVETRAIN 1939 DATA LINK (CHASSIS), P. 7

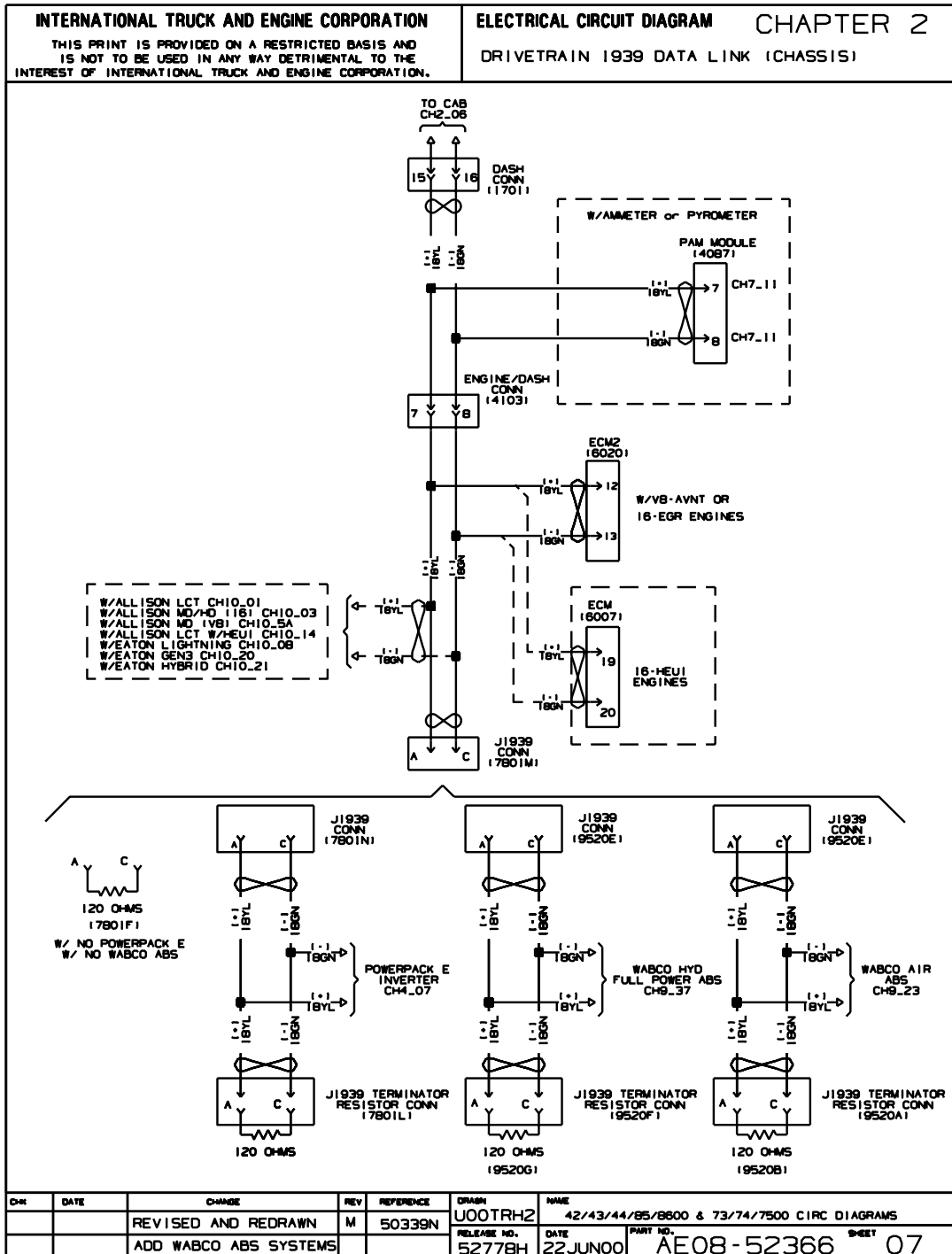


Figure 20 Drivetrain 1939 Data Link (Chassis)

## 2.9. J1939 DATA LINK — MXT, P. 7A





## 2.11. GROUNDS, CHASSIS, P. 9

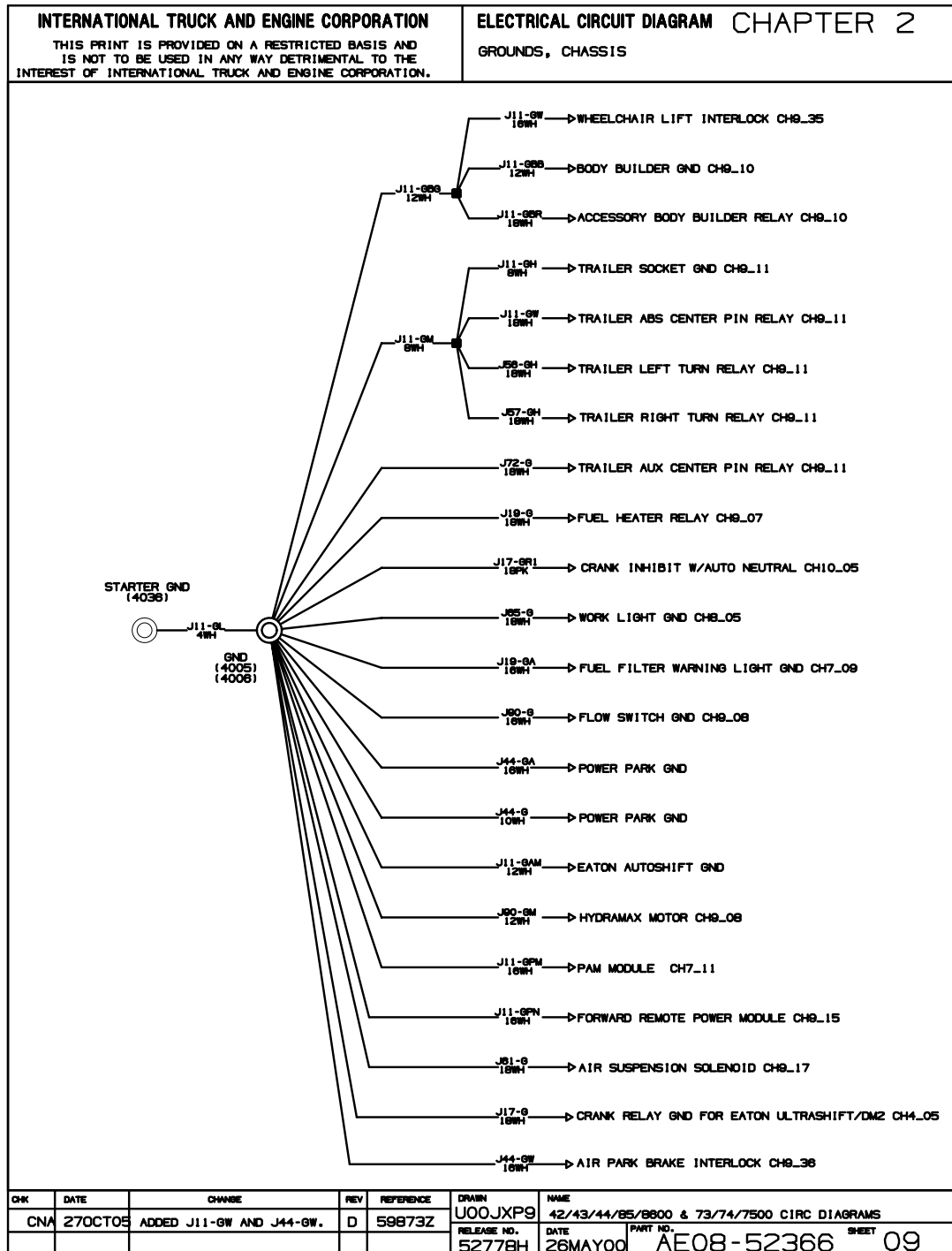
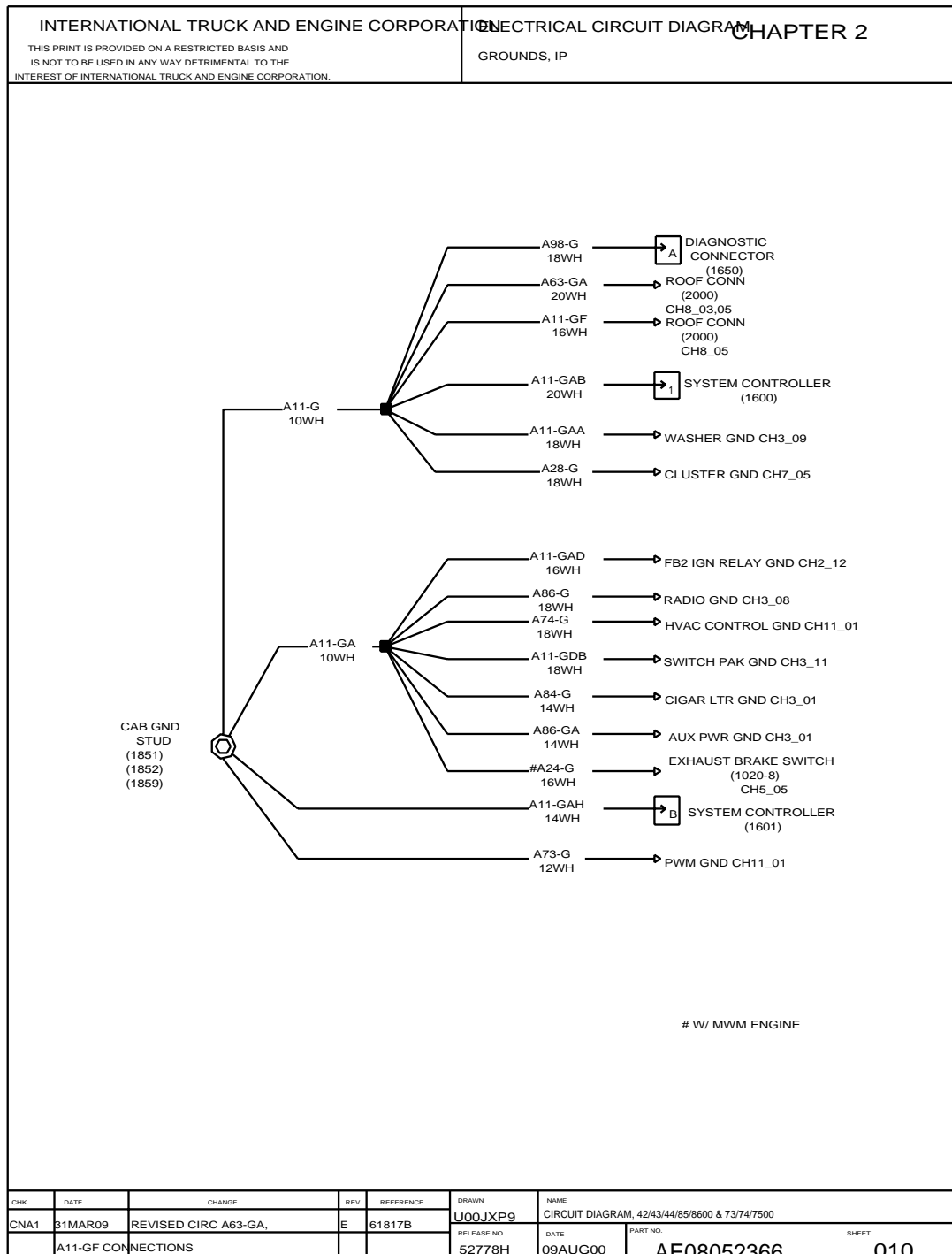


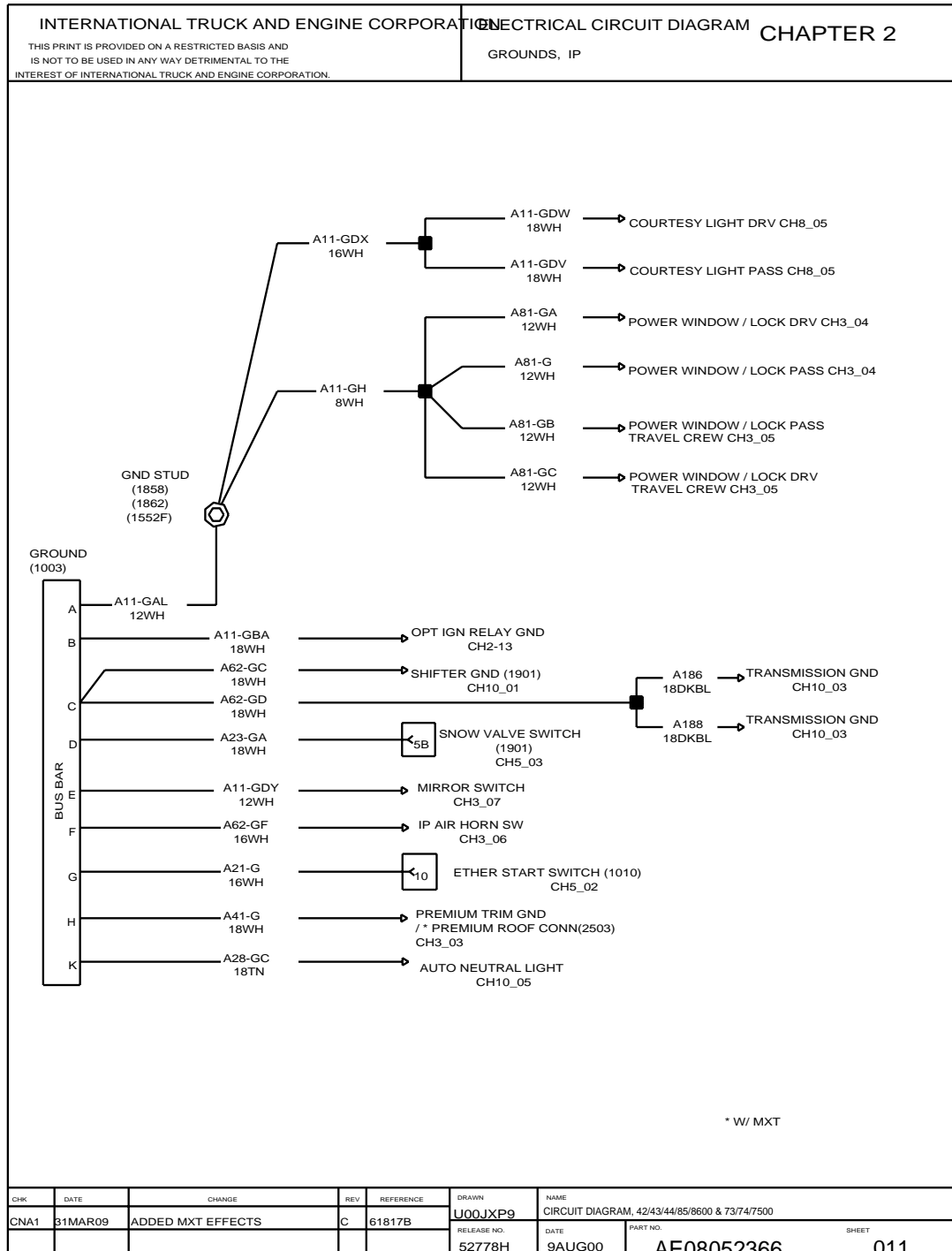
Figure 23 Grounds, Chassis (Cont.)

**2.12. GROUNDS, IP, P. 10****Figure 24 Grounds, IP**

**3200, 4100, 4200, 4300, 4400, 7300, 7400, 7500, 7600, 7700, 8500, 8600, MXT, RXT**  
**Models Built Oct. 1, 2005 to Feb. 28, 2007 — ELECTRICAL CIRCUIT DIAGRAMS**

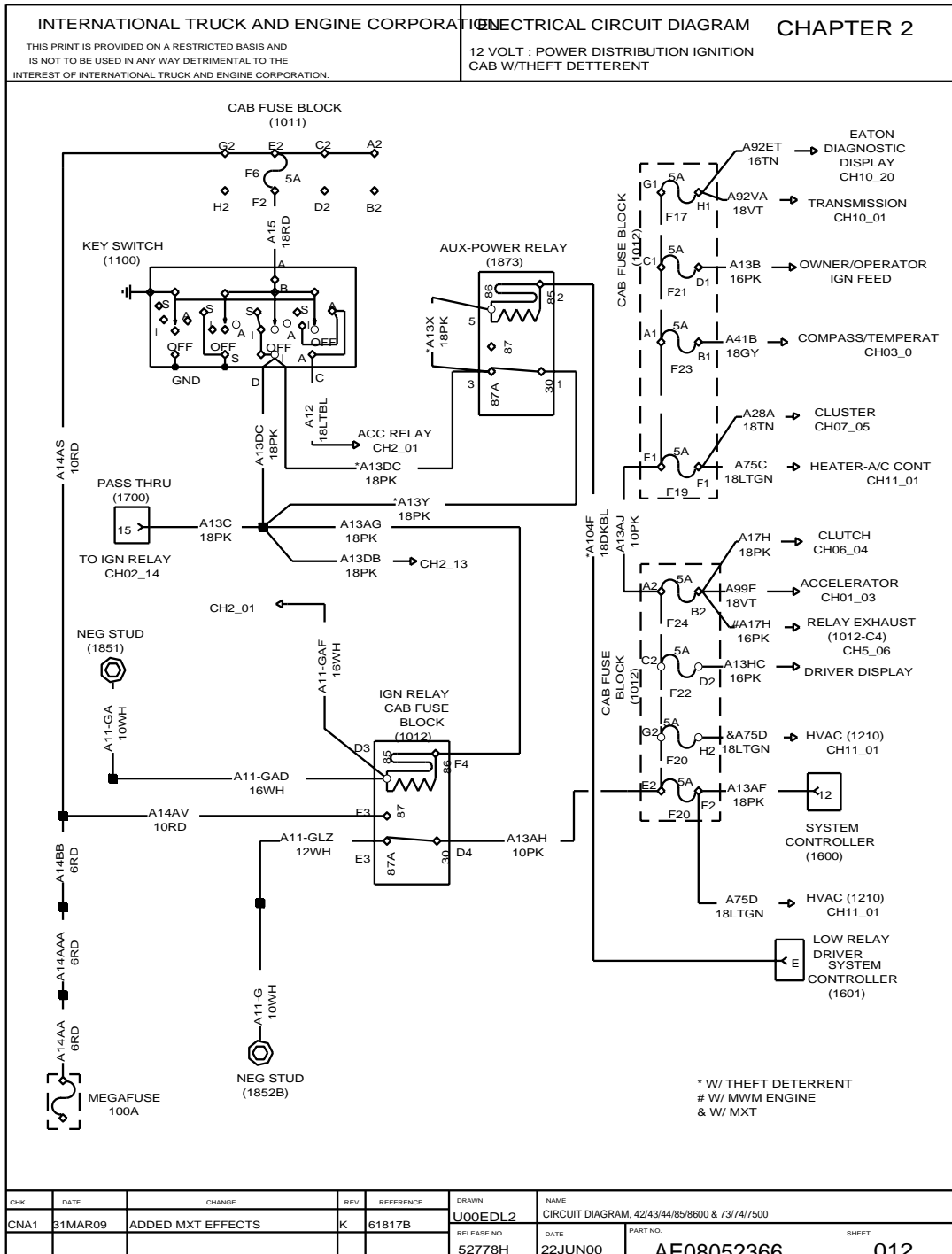
25

## 2.13. GROUNDS, IP, P. 11



**Figure 25 Grounds, IP**

## 2.14. IGNITION CAB WITH THEFT DETERRENT, P. 12



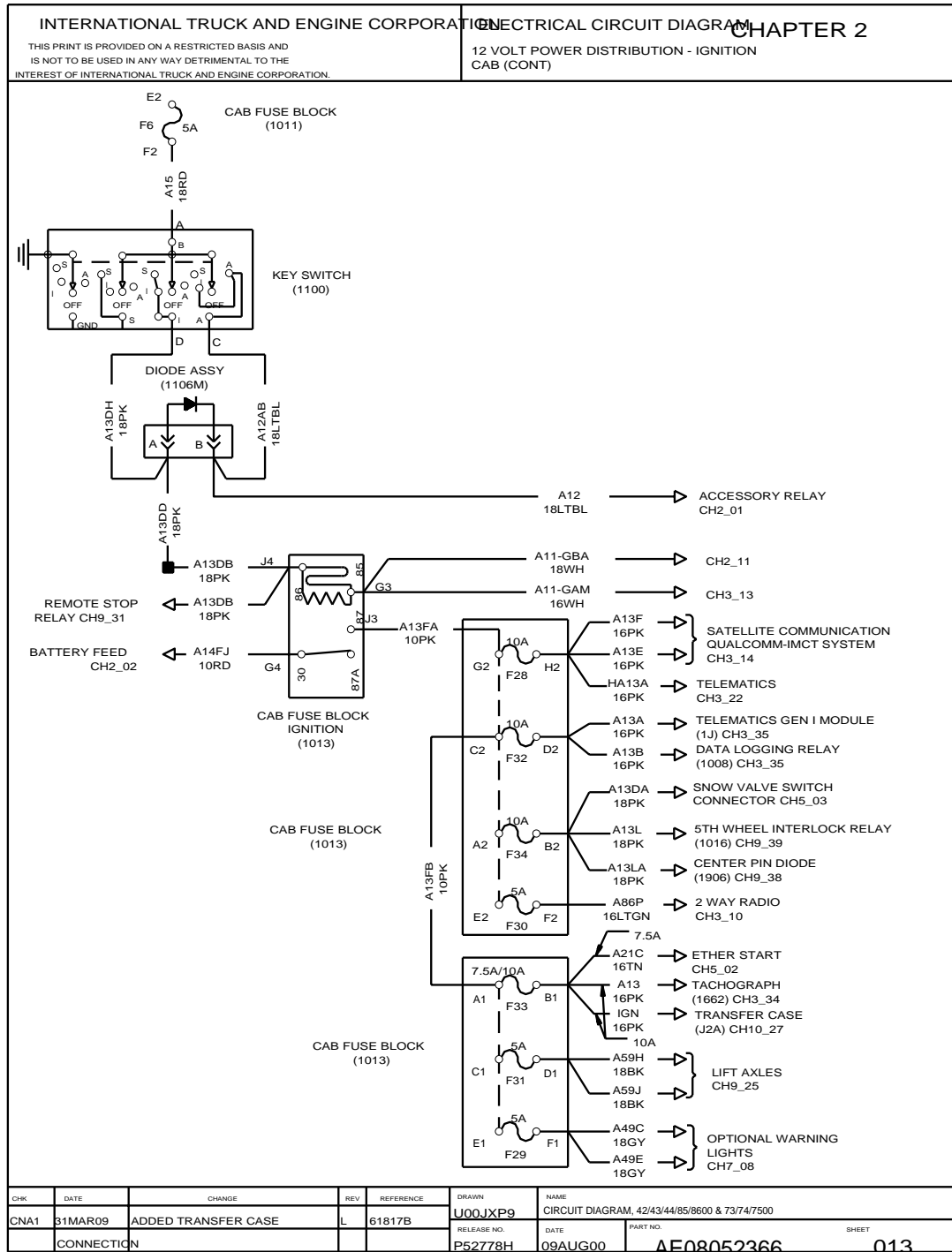
**Figure 26 Ignition Cab with Theft Deterrent**



**3200, 4100, 4200, 4300, 4400, 7300, 7400, 7500, 7600, 7700, 8500, 8600, MXT, RXT  
Models Built Oct. 1, 2005 to Feb. 28, 2007 — ELECTRICAL CIRCUIT DIAGRAMS**

27

## 2.15. IGNITION CAB, P. 13



**Figure 27 Ignition Cab (Cont.)**



## 2.17. START, P. 15

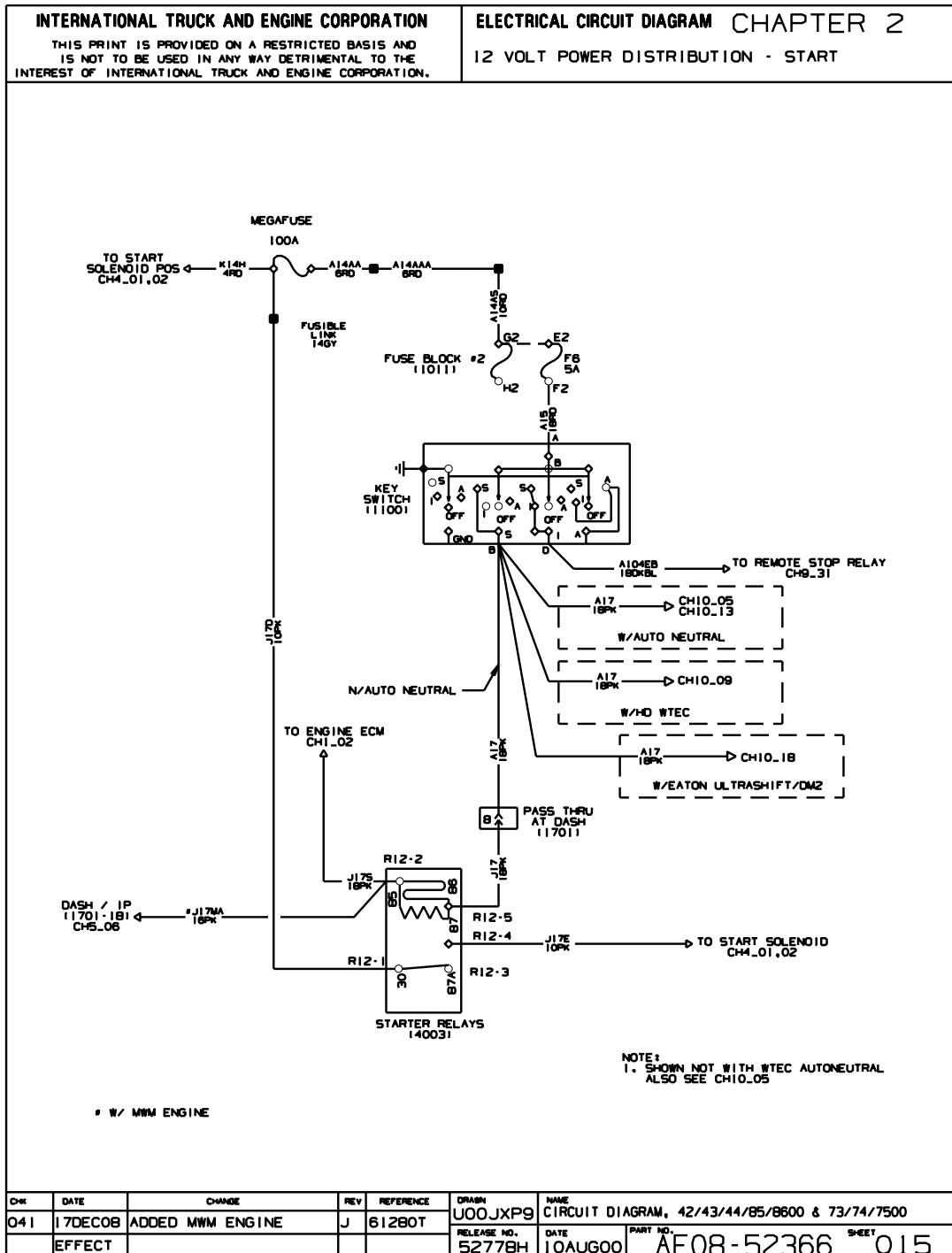
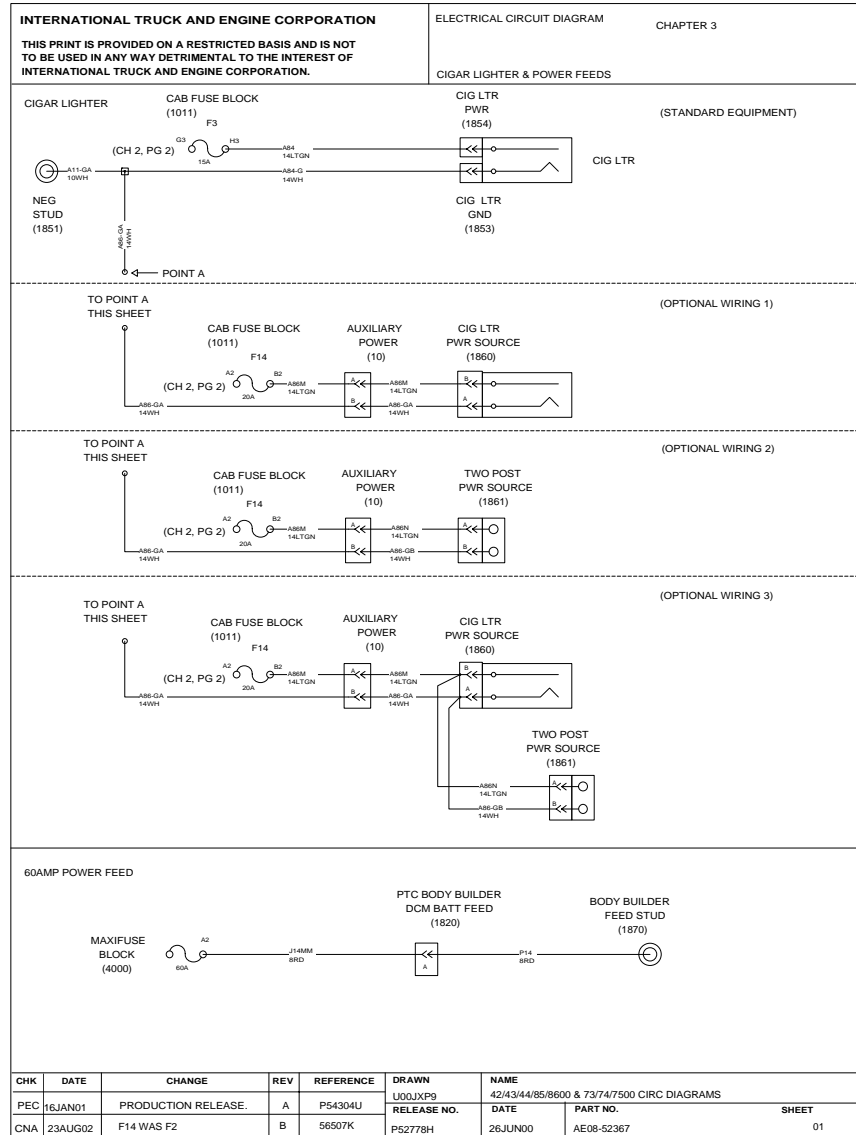


Figure 29 Start

### 3. CAB ACCESSORIES (CHAPTER 3)

### 3.1. CIGAR LIGHTER AND POWER FEEDS, P. 1



### Figure 30 Cigar Lighter and Power Feeds

### 3.2. CB POWER, P. 2

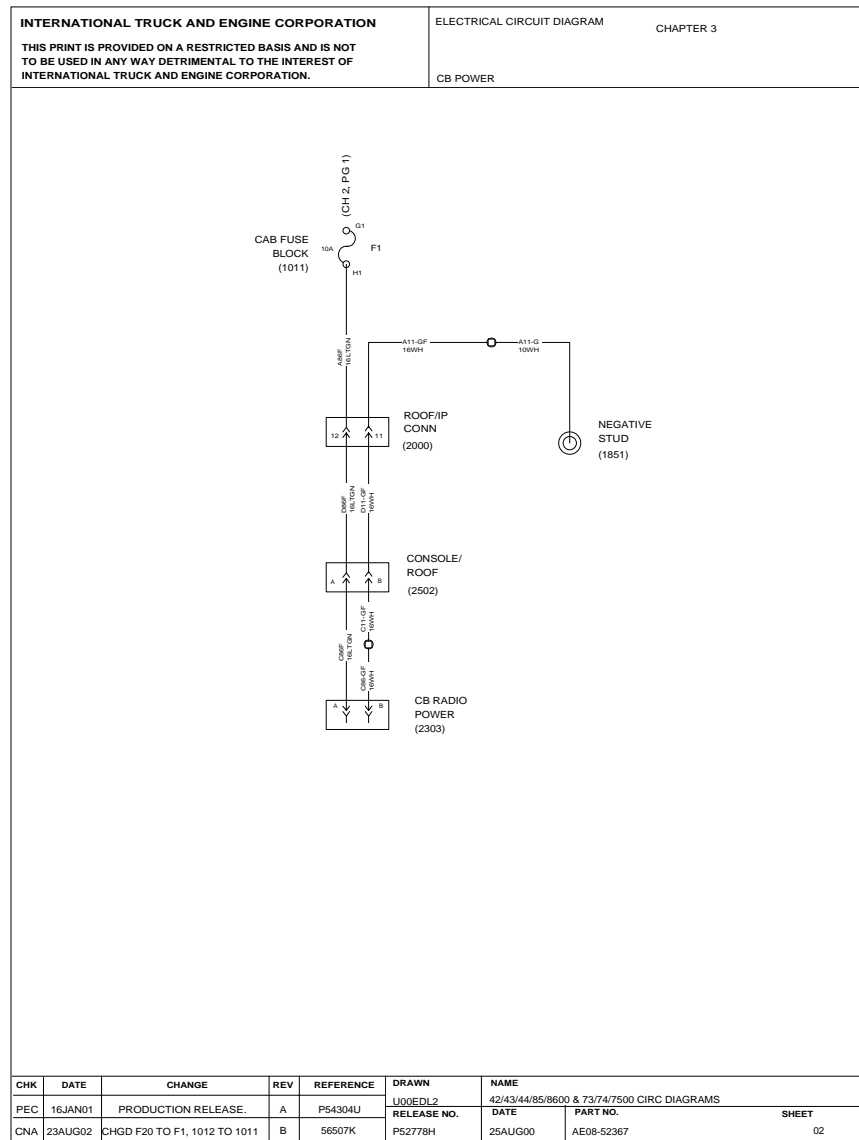
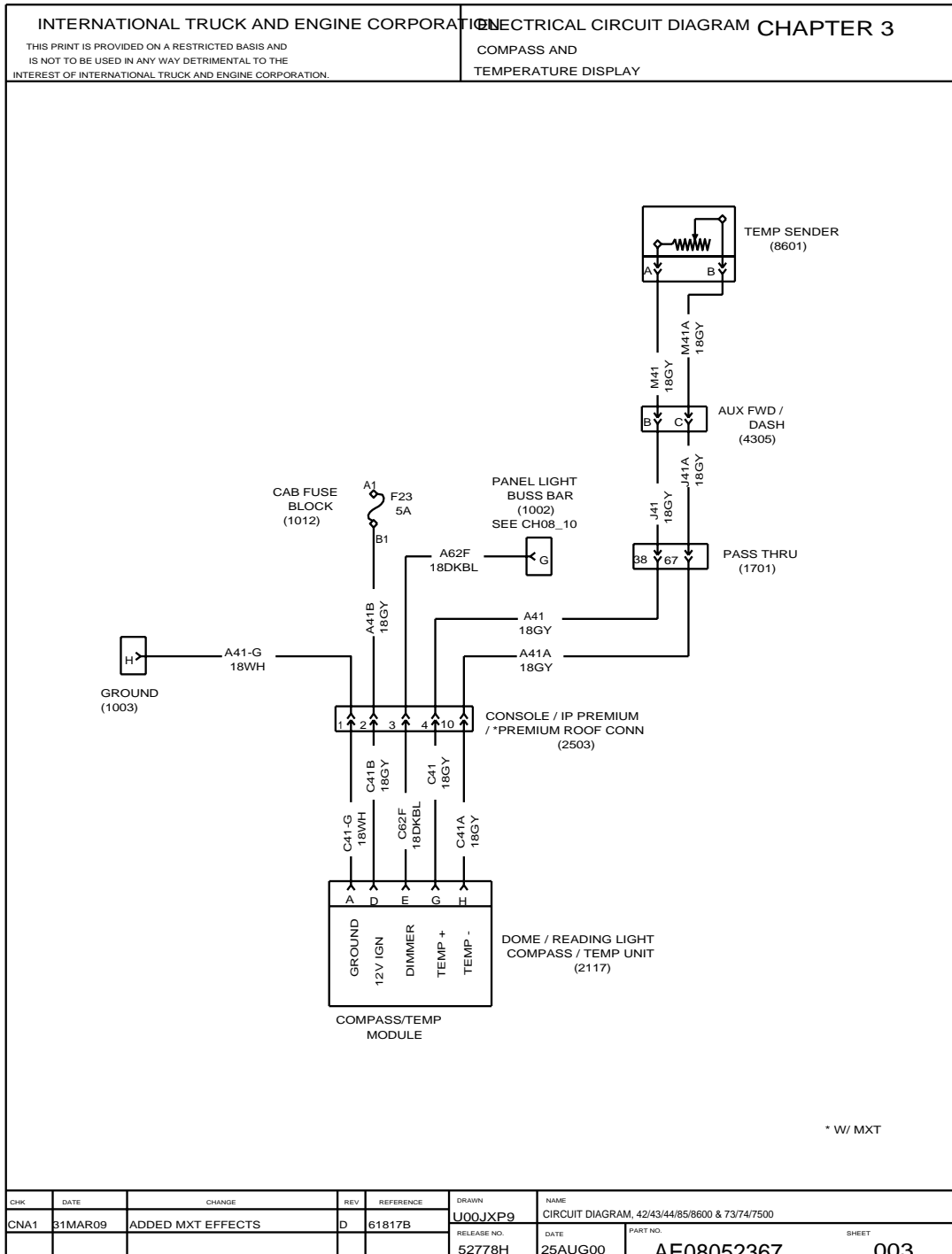


Figure 31 CB Power

### 3.3. COMPASS AND TEMPERATURE DISPLAY, P. 3



**Figure 32 Compass and Temperature Display**



### 3.5. CREW DOORS WINDOWS AND LOCKS (POWER), P. 5

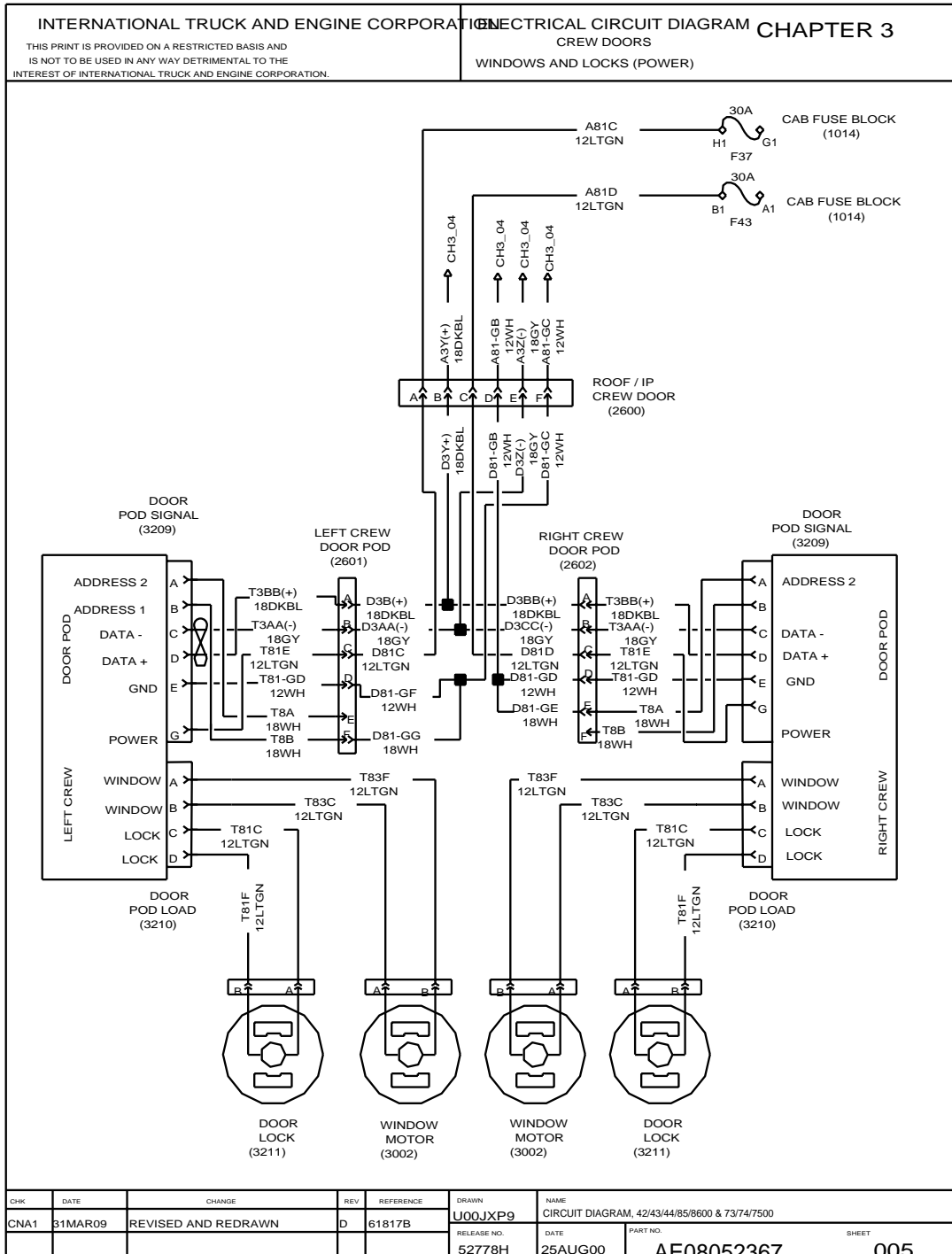


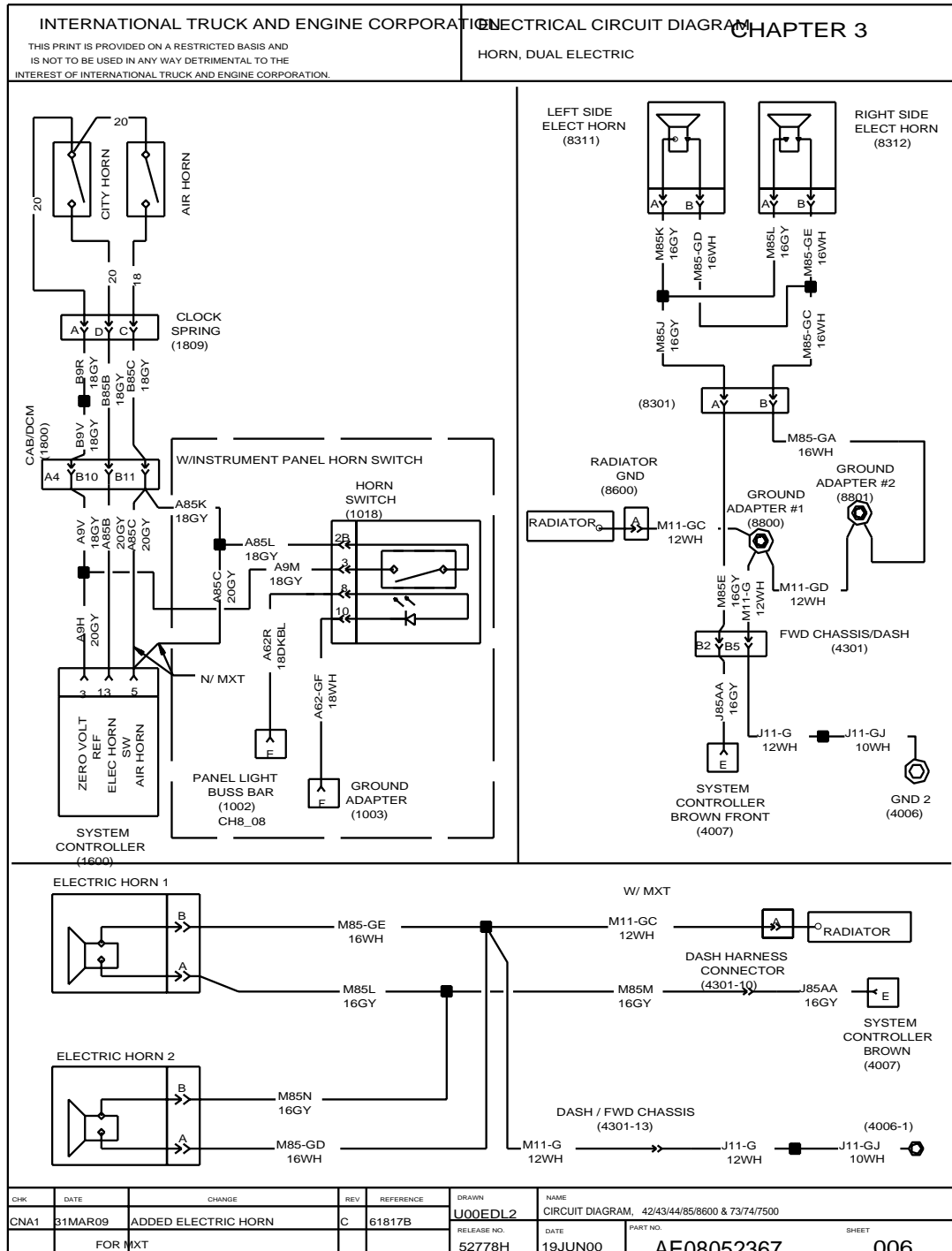
Figure 34 Crew Doors Windows and Locks (Power)



**3200, 4100, 4200, 4300, 4400, 7300, 7400, 7500, 7600, 7700, 8500, 8600, MXT, RXT  
Models Built Oct. 1, 2005 to Feb. 28, 2007 — ELECTRICAL CIRCUIT DIAGRAMS**

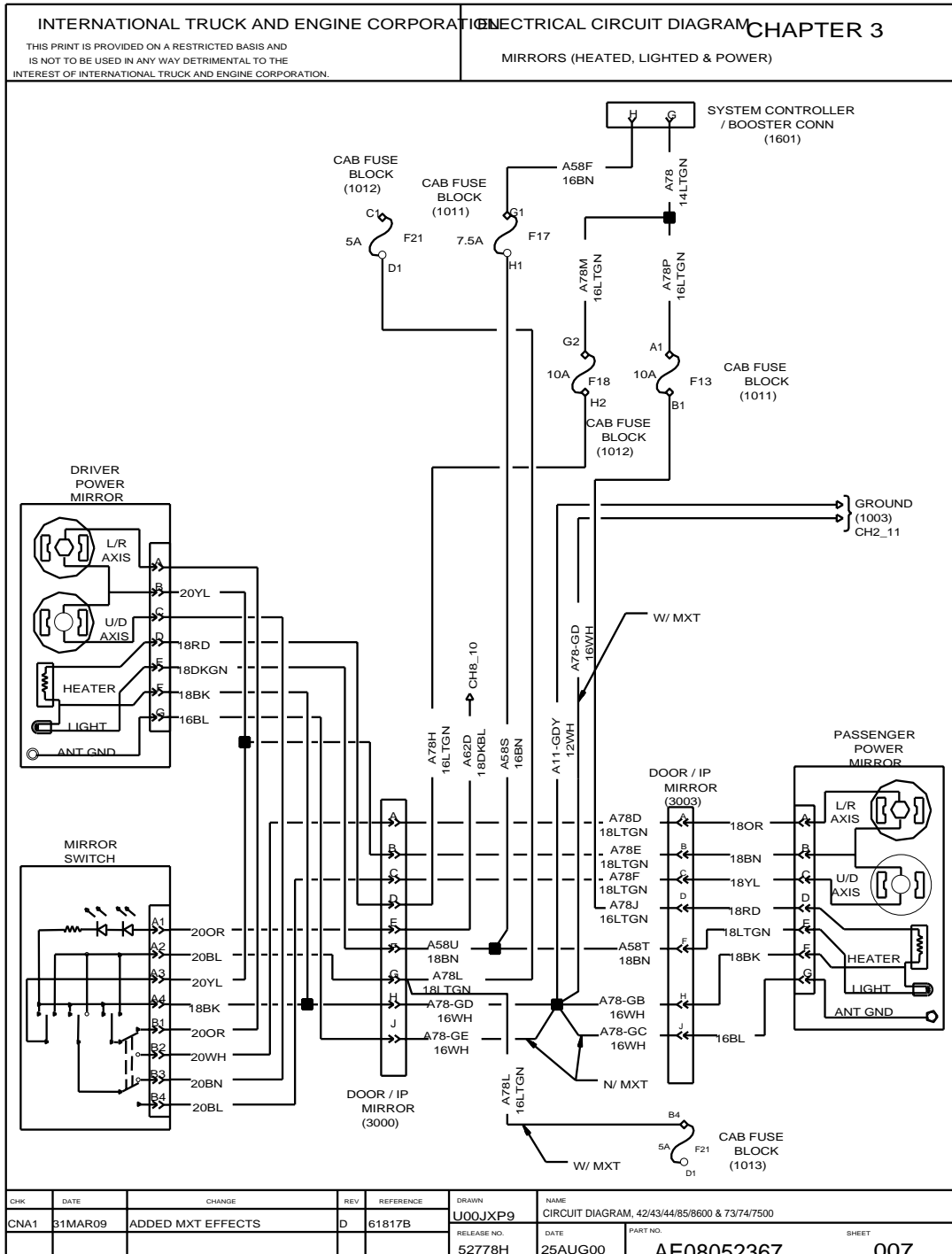
35

### 3.6. HORN, DUAL ELECTRIC, P. 6



**Figure 35 Horn, Dual Electric**

### 3.7. MIRRORS (HEATED, LIGHTED AND POWER), P. 7

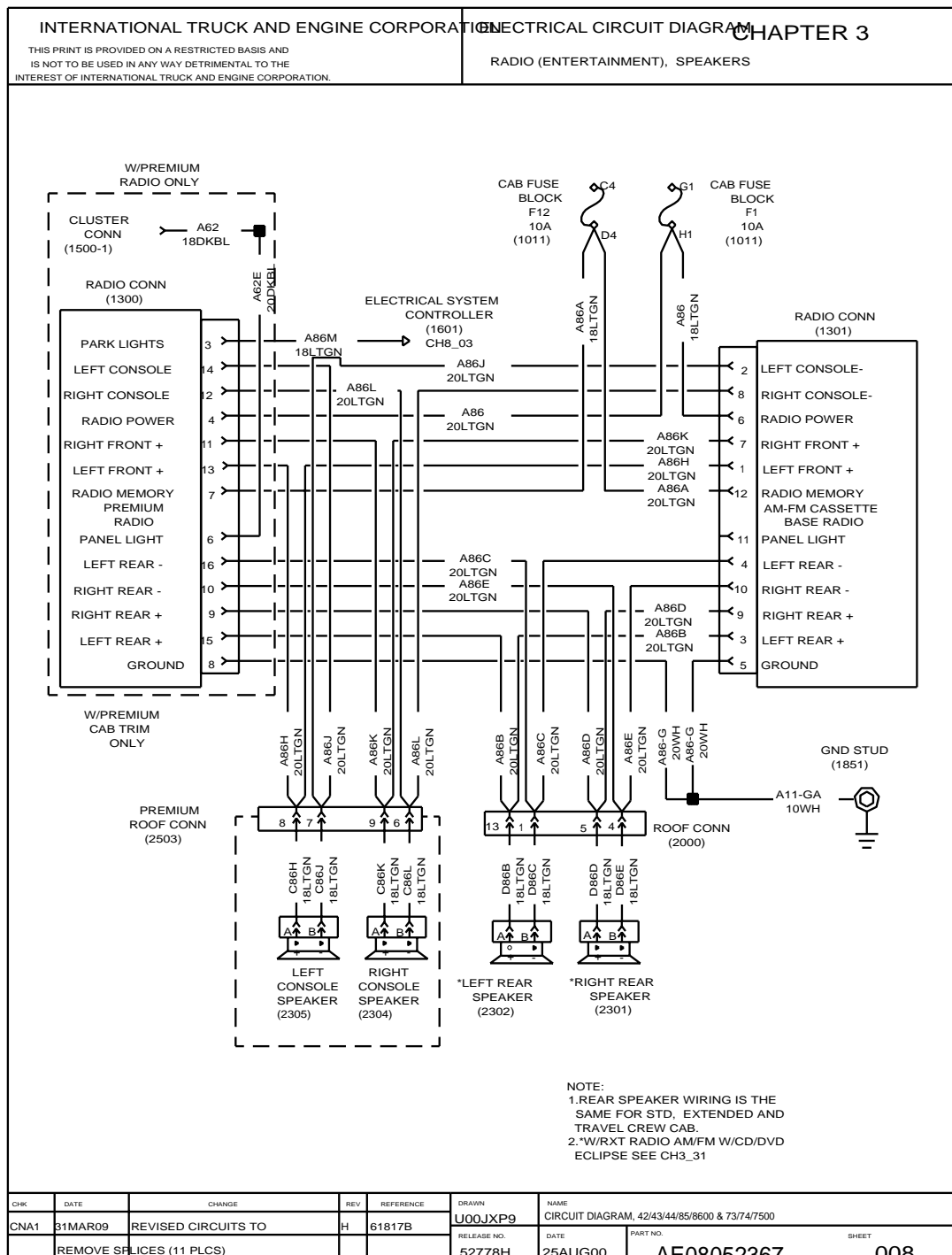


**Figure 36 Mirrors (Heated, Lighted and Power)**

**3200, 4100, 4200, 4300, 4400, 7300, 7400, 7500, 7600, 7700, 8500, 8600, MXT, RXT  
Models Built Oct. 1, 2005 to Feb. 28, 2007 — ELECTRICAL CIRCUIT DIAGRAMS**

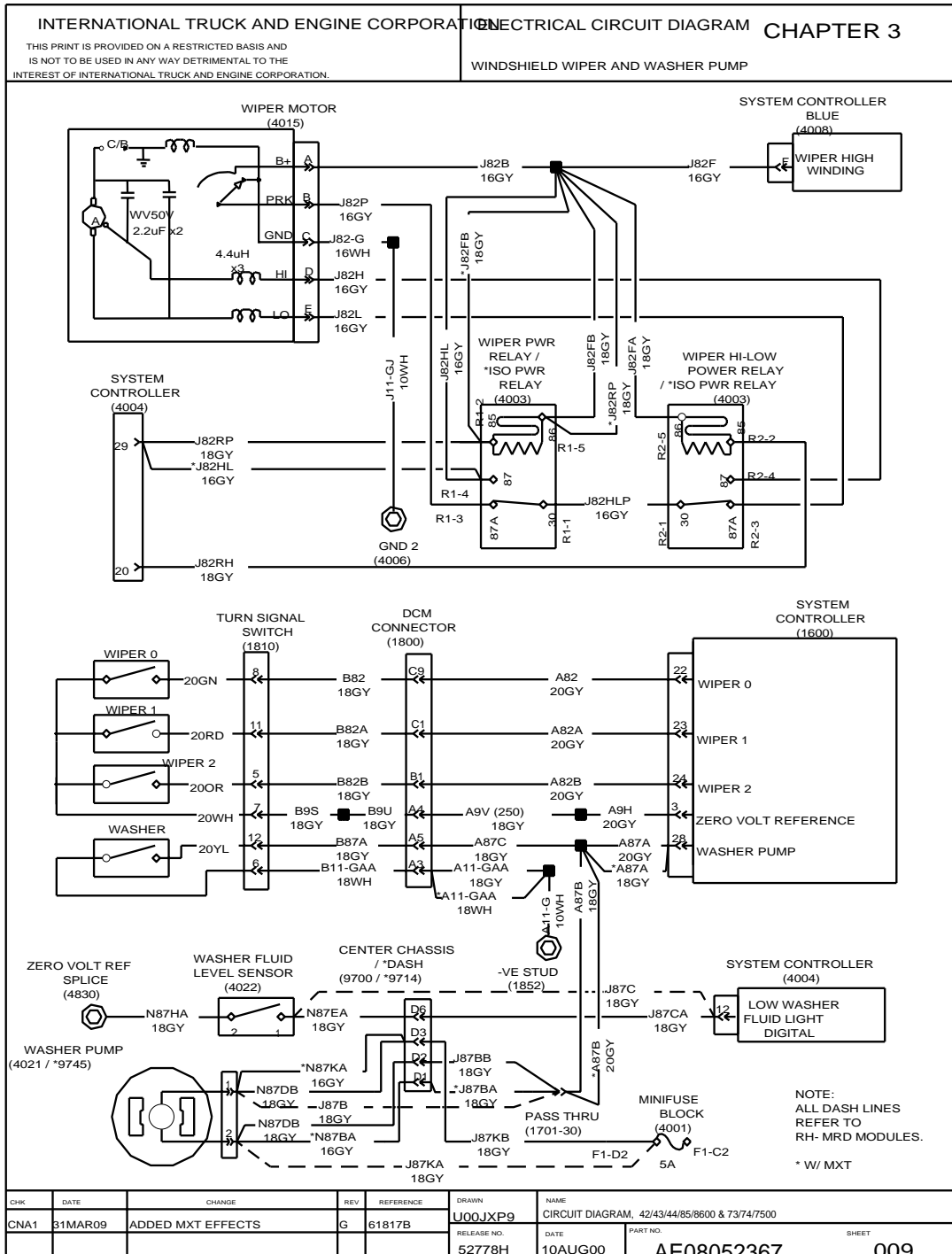
37

### 3.8. RADIO (ENTERTAINMENT), SPEAKERS, P. 8



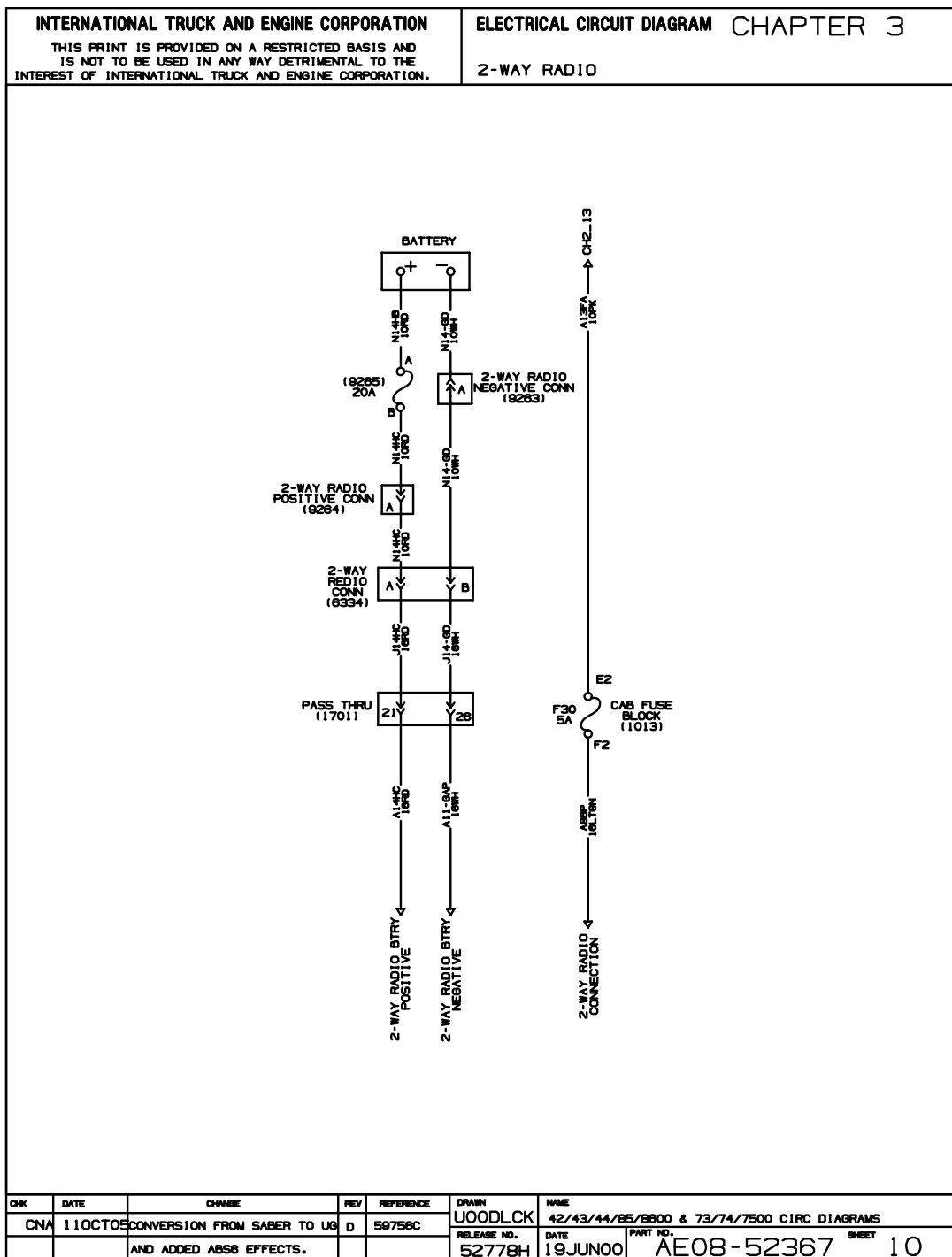
**Figure 37 Radio (Entertainment), Speakers**

### 3.9. WINDSHIELD WIPER AND WASHER PUMP, P. 9



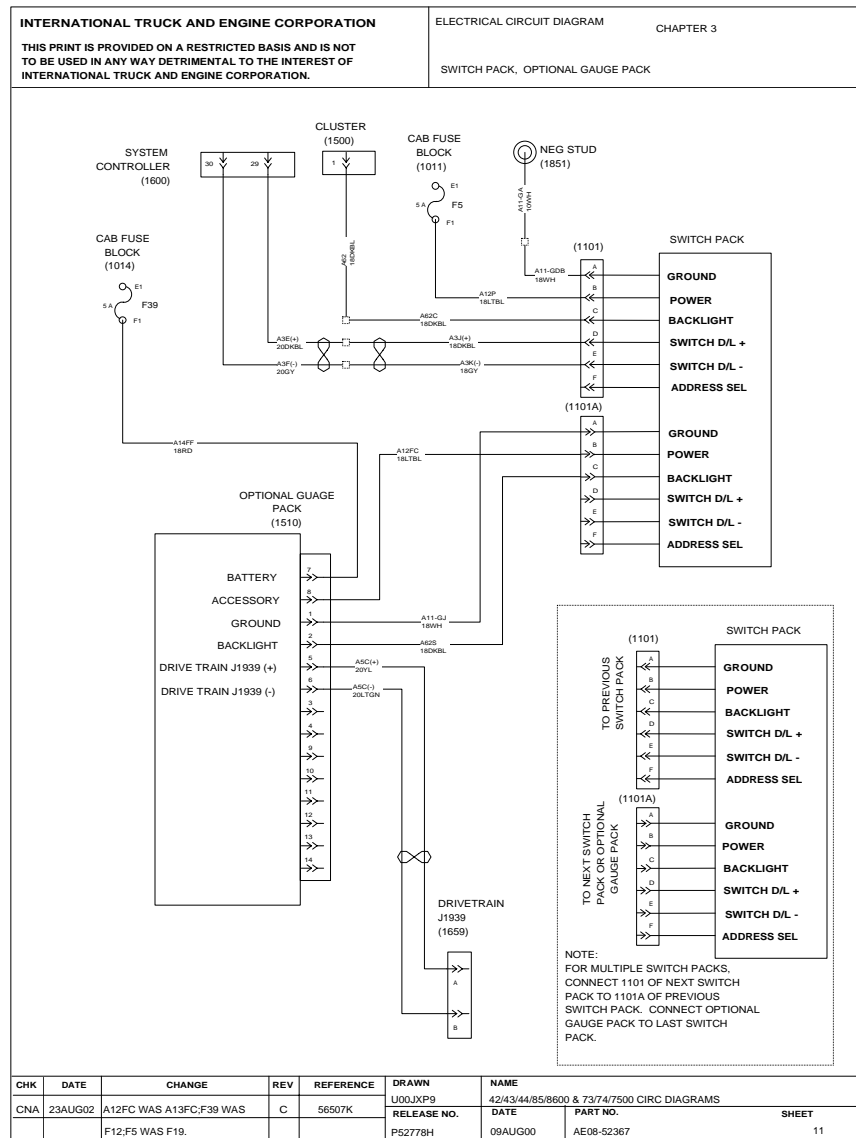
**Figure 38 Windshield Wiper and Washer Pump**

### 3.10. 2-WAY RADIO, P. 10



**Figure 39 2-Way Radio**

### 3.11. SWITCH PACK, OPTIONAL GAUGE PACK, P. 11



**Figure 40 Switch Pack, Optional Gauge Pack**

### 3.12. LIGHTED AIR SHIELD, P. 12

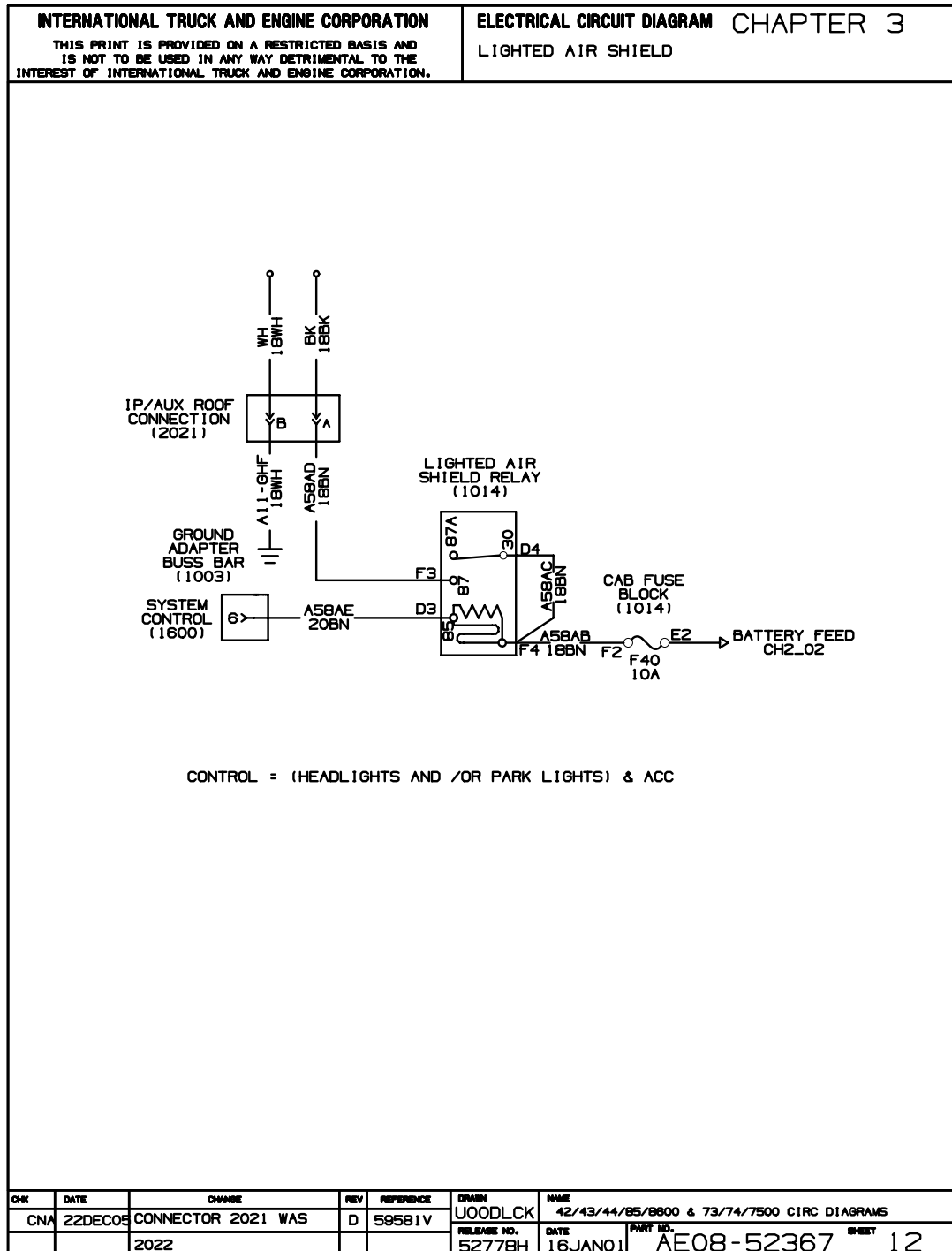
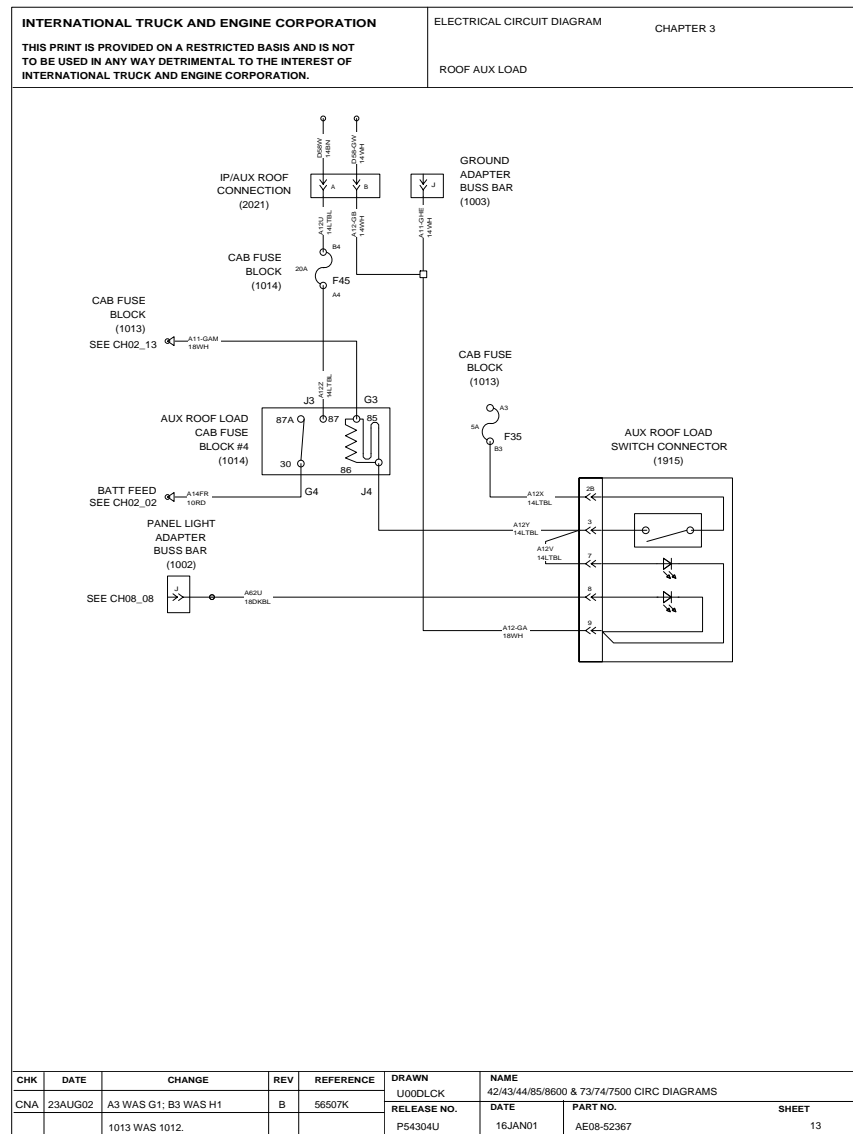


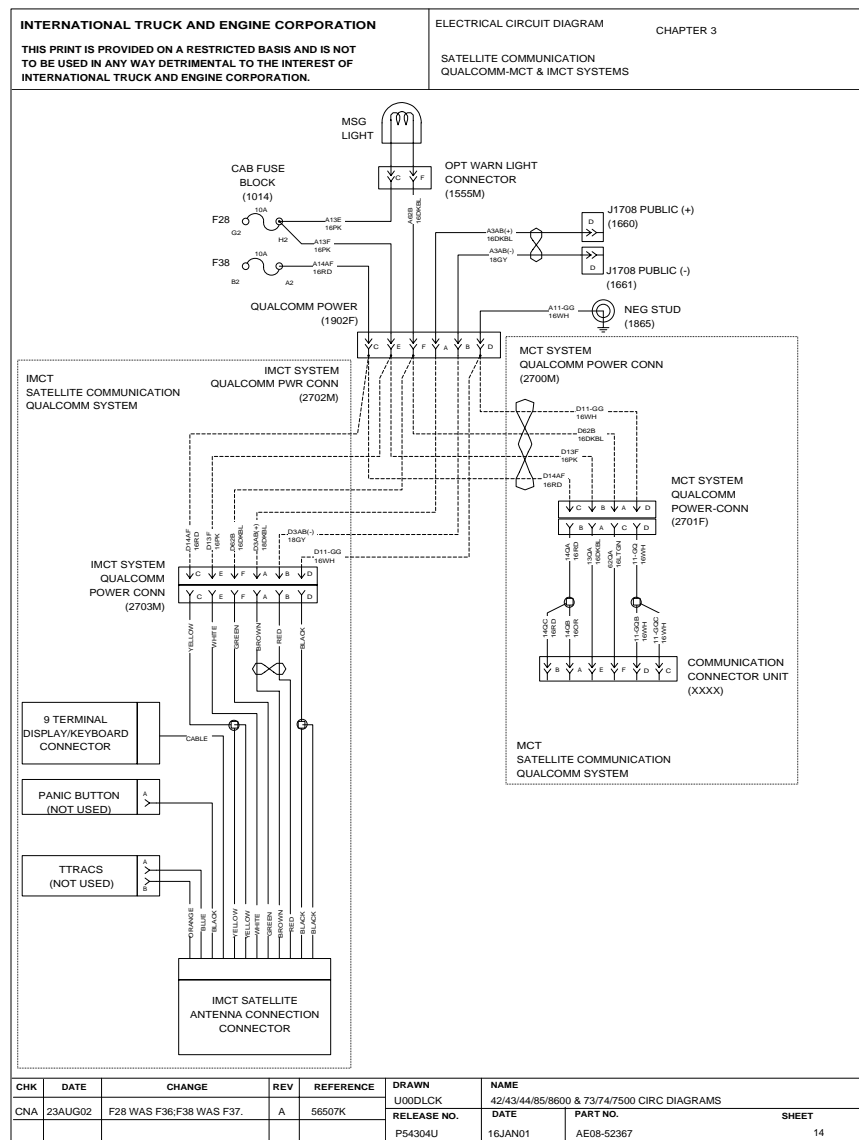
Figure 41 Lighted Air Shield

### 3.13. ROOF AUX. LOAD, P. 13

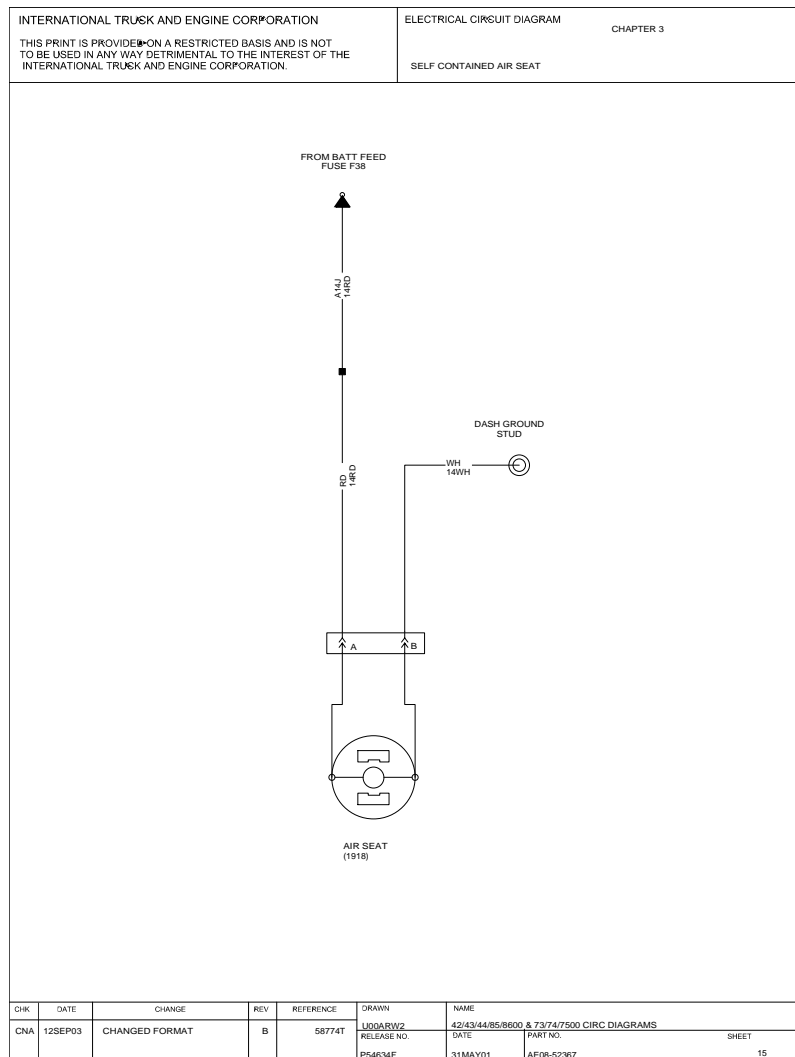

**Figure 42 Roof Aux. Load**



### 3.14. SATELLITE COMMUNICATION QUALCOMM-MCT AND IMCT SYSTEMS, P. 14



### Figure 43 Satellite Communication Qualcomm-MCT and IMCT Systems

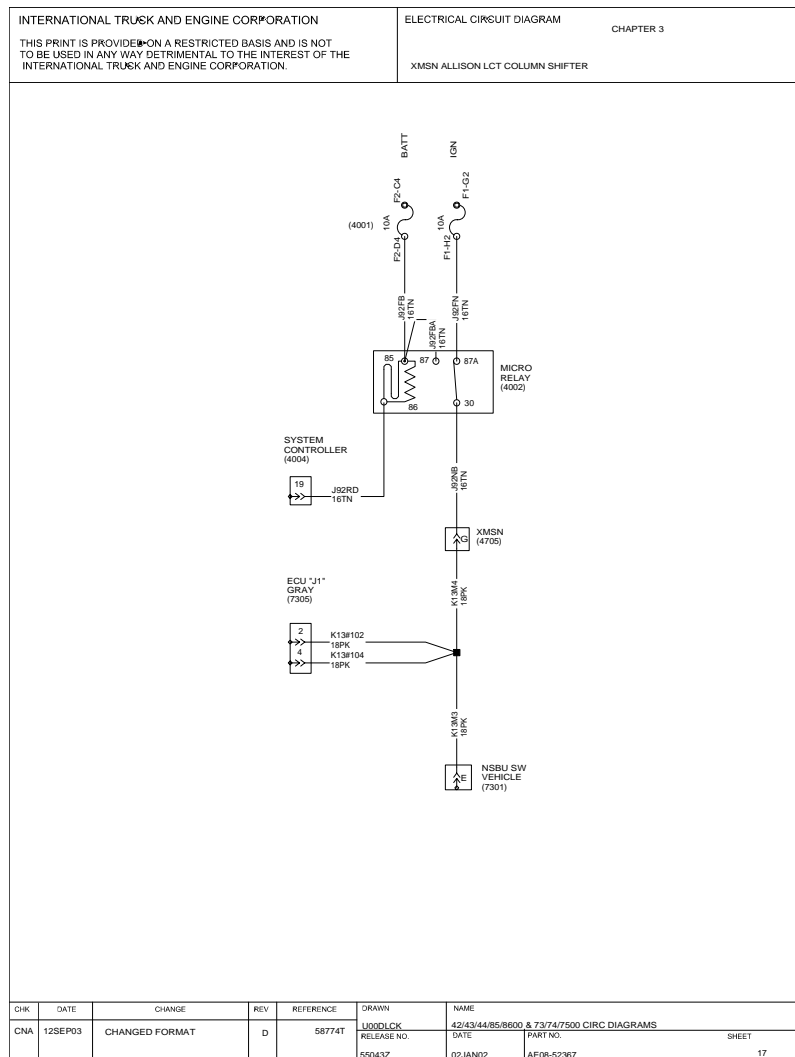
**3.15. SELF CONTAINED AIR SEAT, P. 15****Figure 44 Self Contained Air Seat**

**3.16. DIGITAL CLOCK PTC, P. 16**

INTERNATIONAL TRUCK AND ENGINE CORPORATION 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.					ELECTRICAL CIRCUIT DIAGRAM CHAPTER 3 DIGITAL CLOCK PTC				
<h1>GEOMETRY WAS REMOVED</h1>									
CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME			
CNA	12SEP03	CHANGED FORMAT	B	58774T	LD00DLCK	42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS			
					RELEASE NO.	DATE	PART NO.	SHEET	
					P54634F	05MAY01	AE08-52367	16	

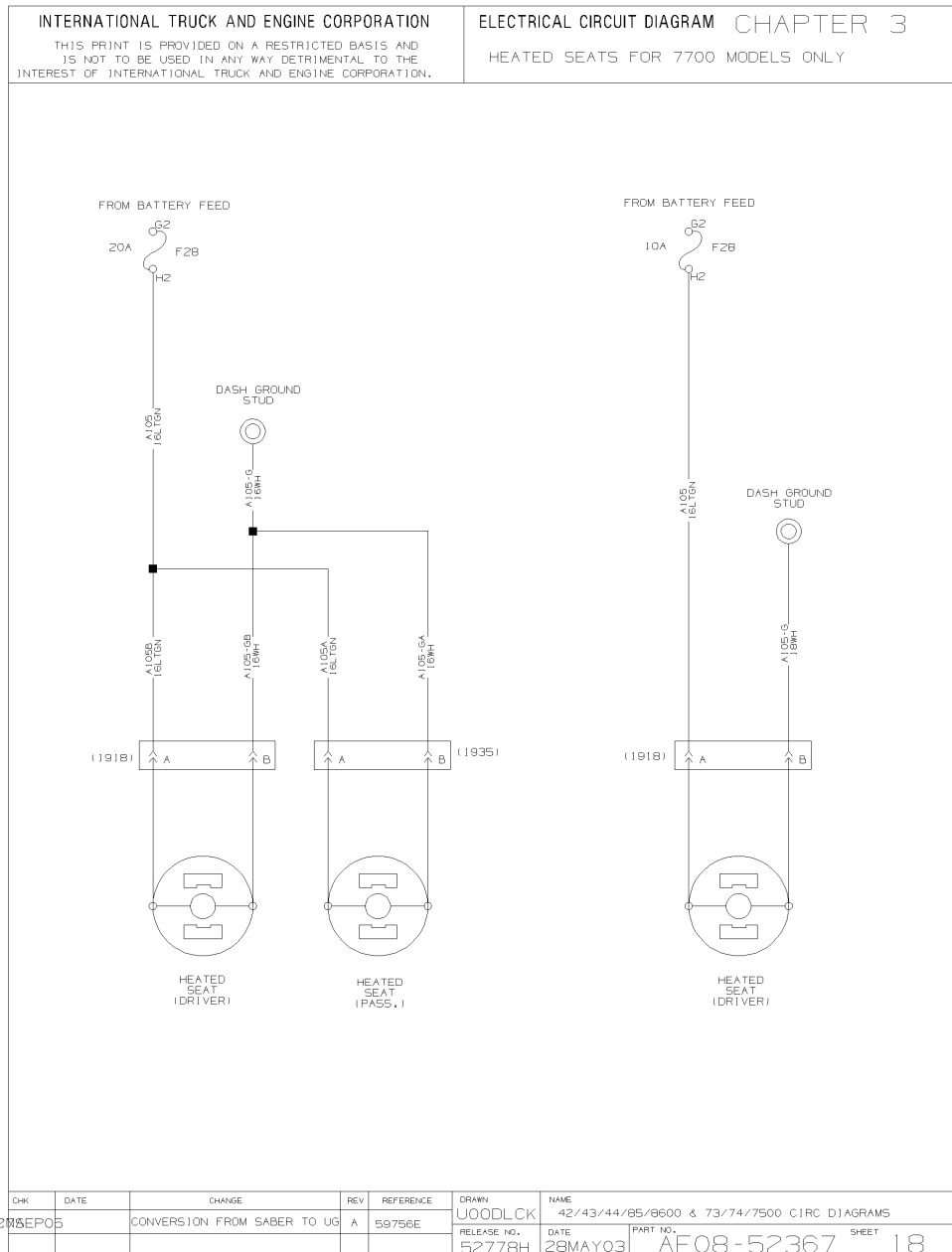
**Figure 45 Digital Clock PTC**

### 3.17. TRANSMISSION ALLISON LCT COLUMN SHIFTER, P. 17



**Figure 46 Transmission Allison LCT Column Shifter**

### 3.18. HEATED SEATS FOR 7700 MODELS ONLY, P. 18



**Figure 47 Heated Seats for 7700 Models Only**

## 3.19. BACKUP CAMERA, P. 19

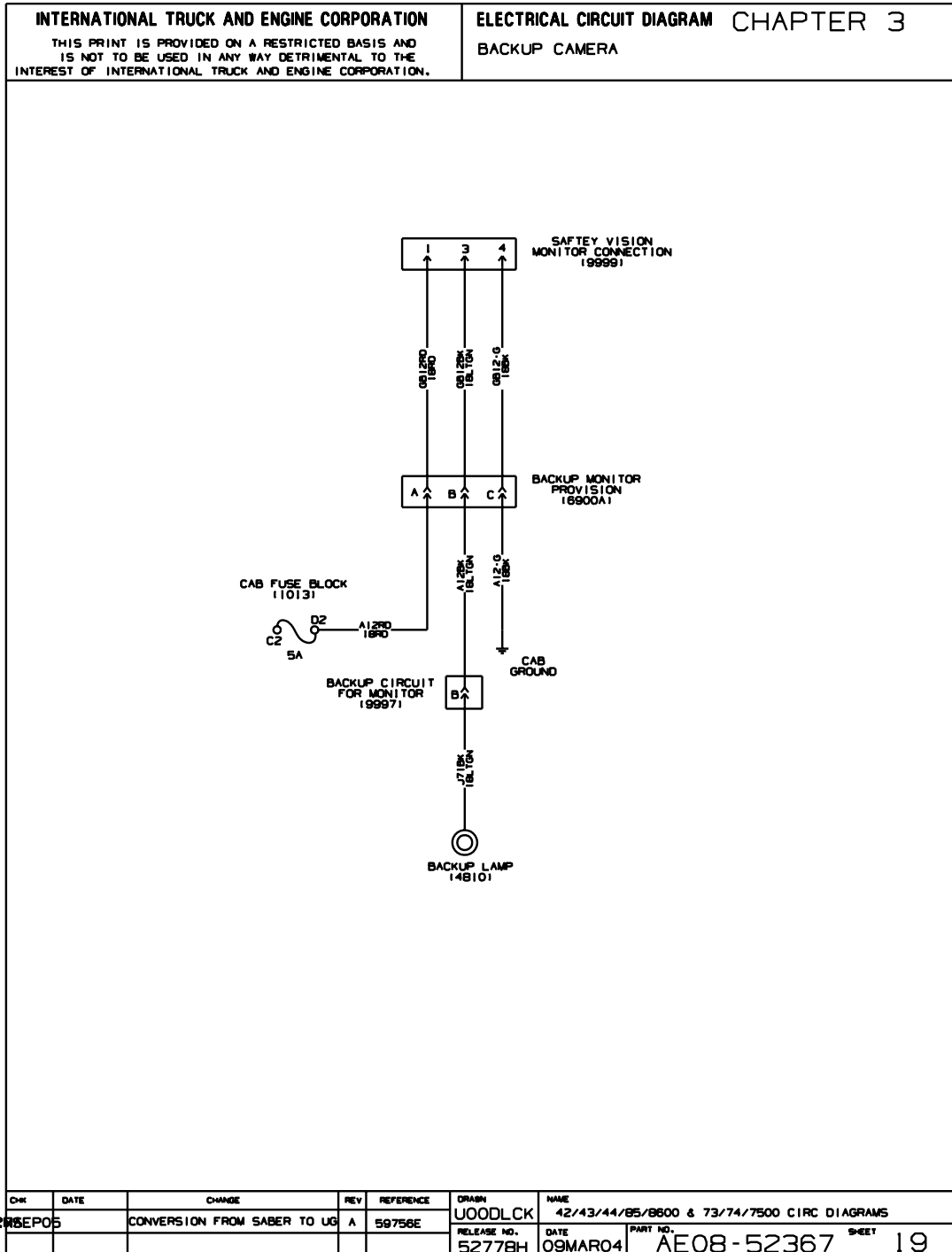


Figure 48 Backup Camera

## 3.20. XATA COMPUTER, P. 20

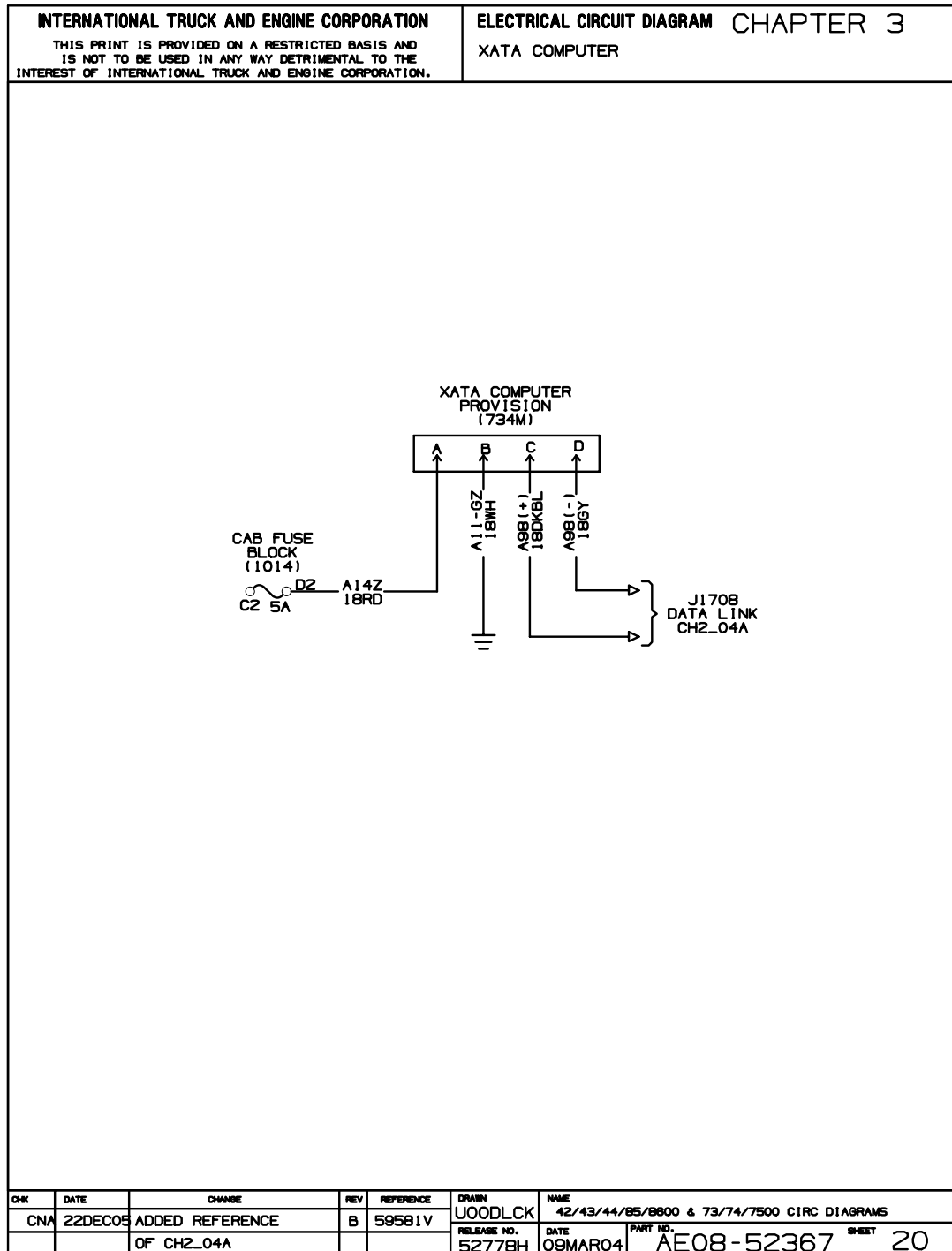
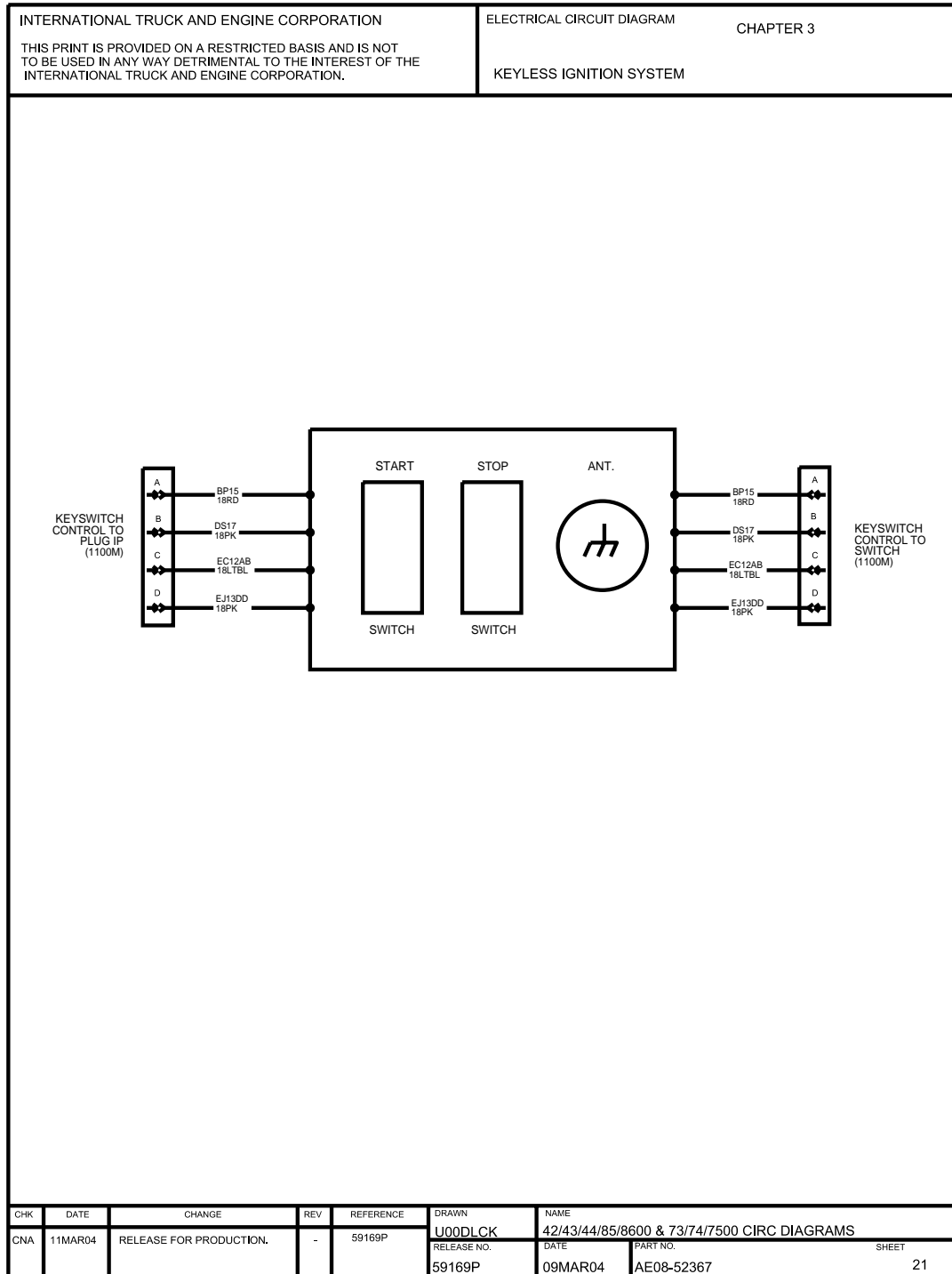


Figure 49 XATA Computer

**3.21. KEYLESS IGNITION SYSTEM, P. 21****Figure 50 Keyless Ignition System**



3200, 4100, 4200, 4300, 4400, 7300, 7400, 7500, 7600, 7700, 8500, 8600, MXT, RXT  
Models Built Oct. 1, 2005 to Feb. 28, 2007 — ELECTRICAL CIRCUIT DIAGRAMS

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### 3.22. TELEMATICS SYSTEM, P. 22

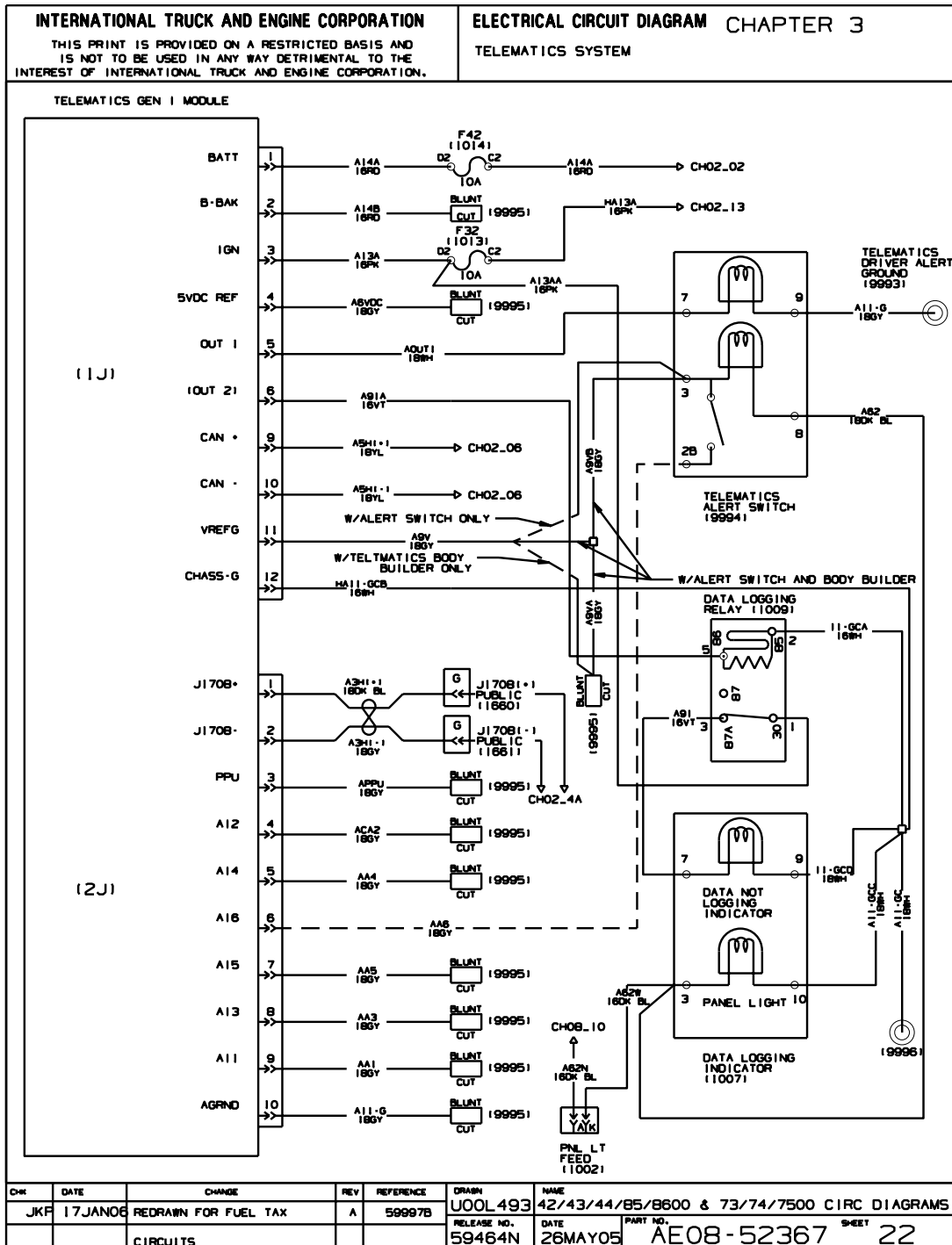
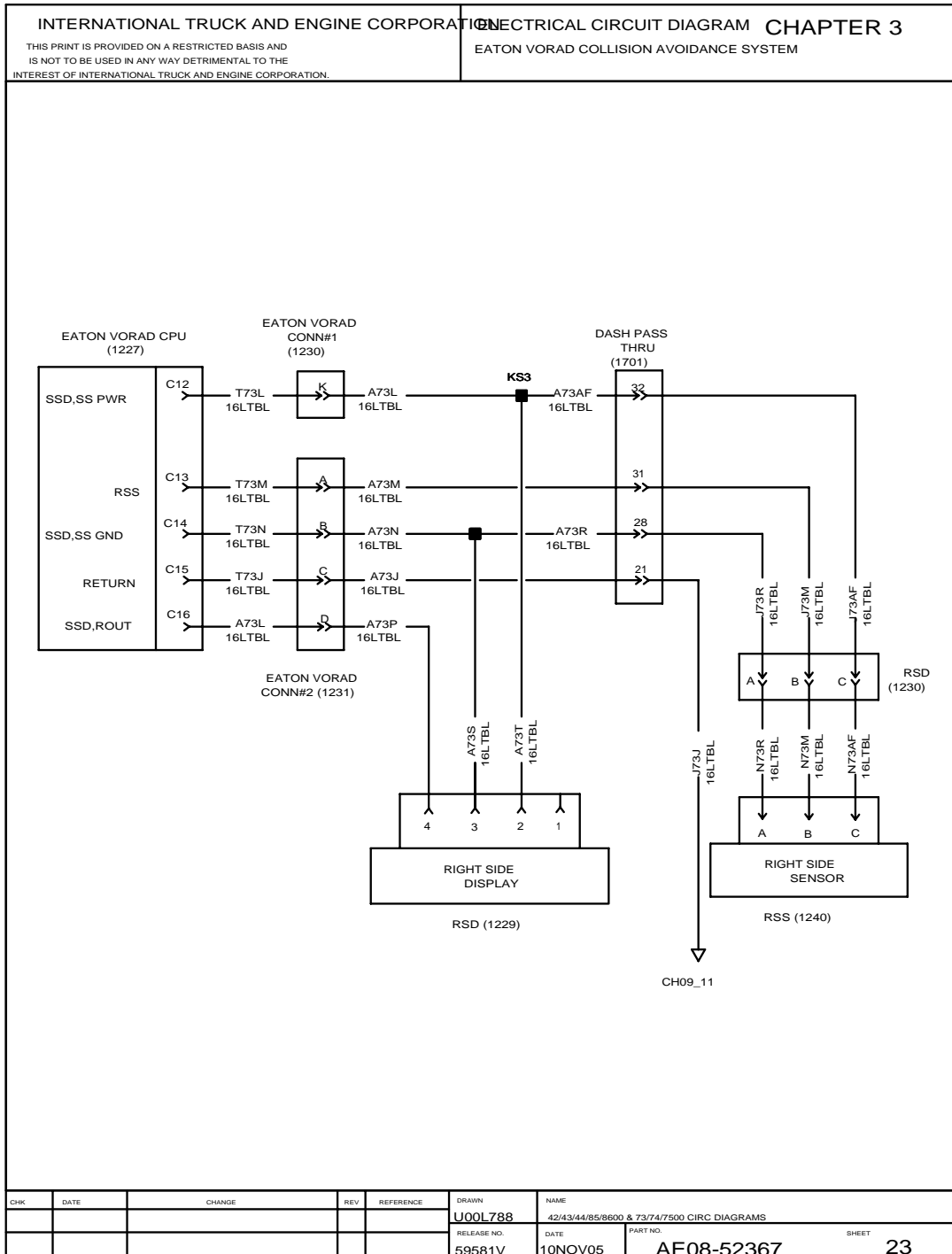


Figure 51 Telematics System

### 3.23. EATON VORAD COLLISION AVOIDANCE SYSTEM, P. 23

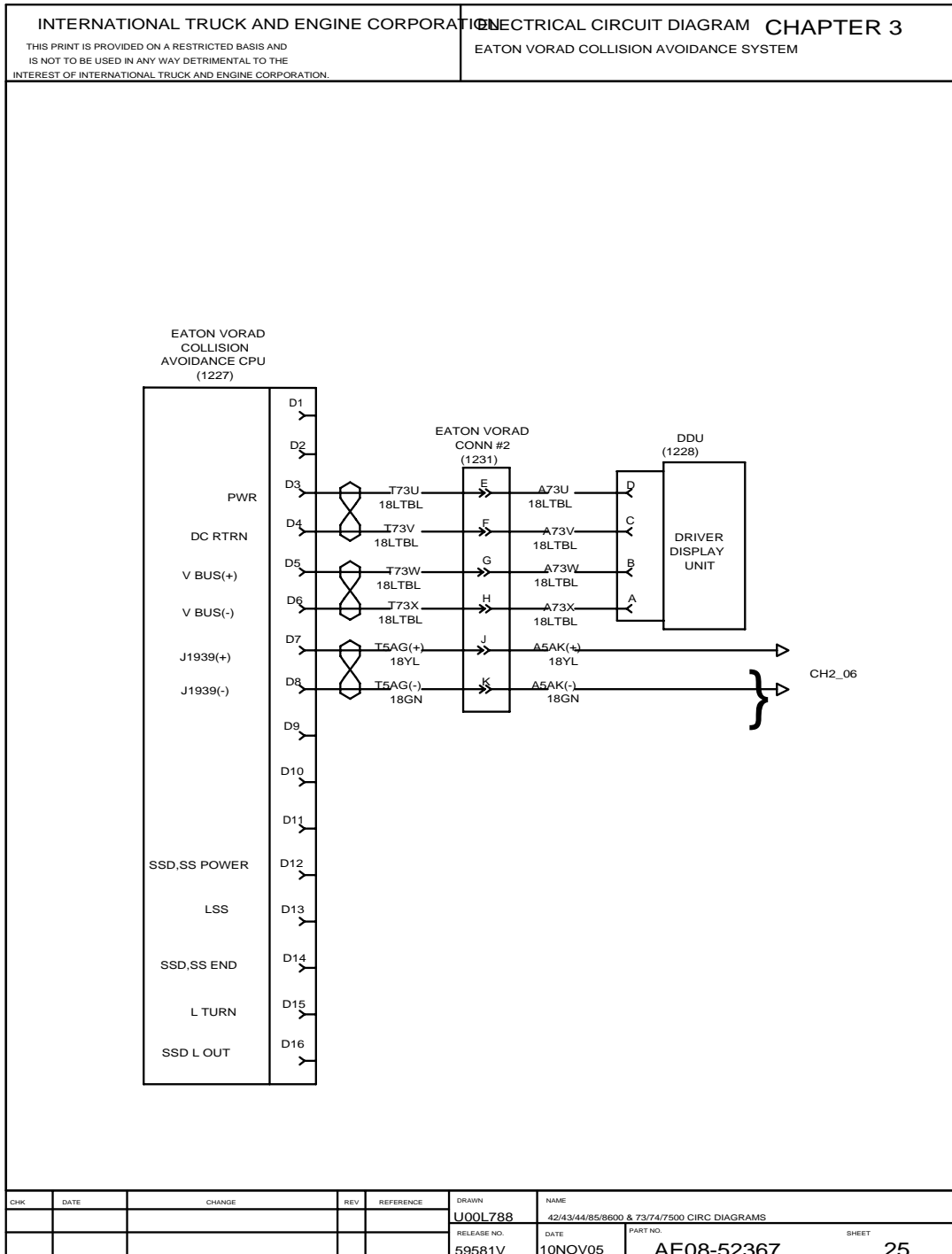


**Figure 52 Eaton Vorad Collision Avoidance System**

### 3.24. EATON VORAD COLLISION AVOIDANCE SYSTEM, P. 24



### 3.25. EATON VORAD COLLISION AVOIDANCE SYSTEM, P. 25



**Figure 54 Eaton Vorad Collision Avoidance System**

### 3.26. XATA DATA SYSTEM, P. 26

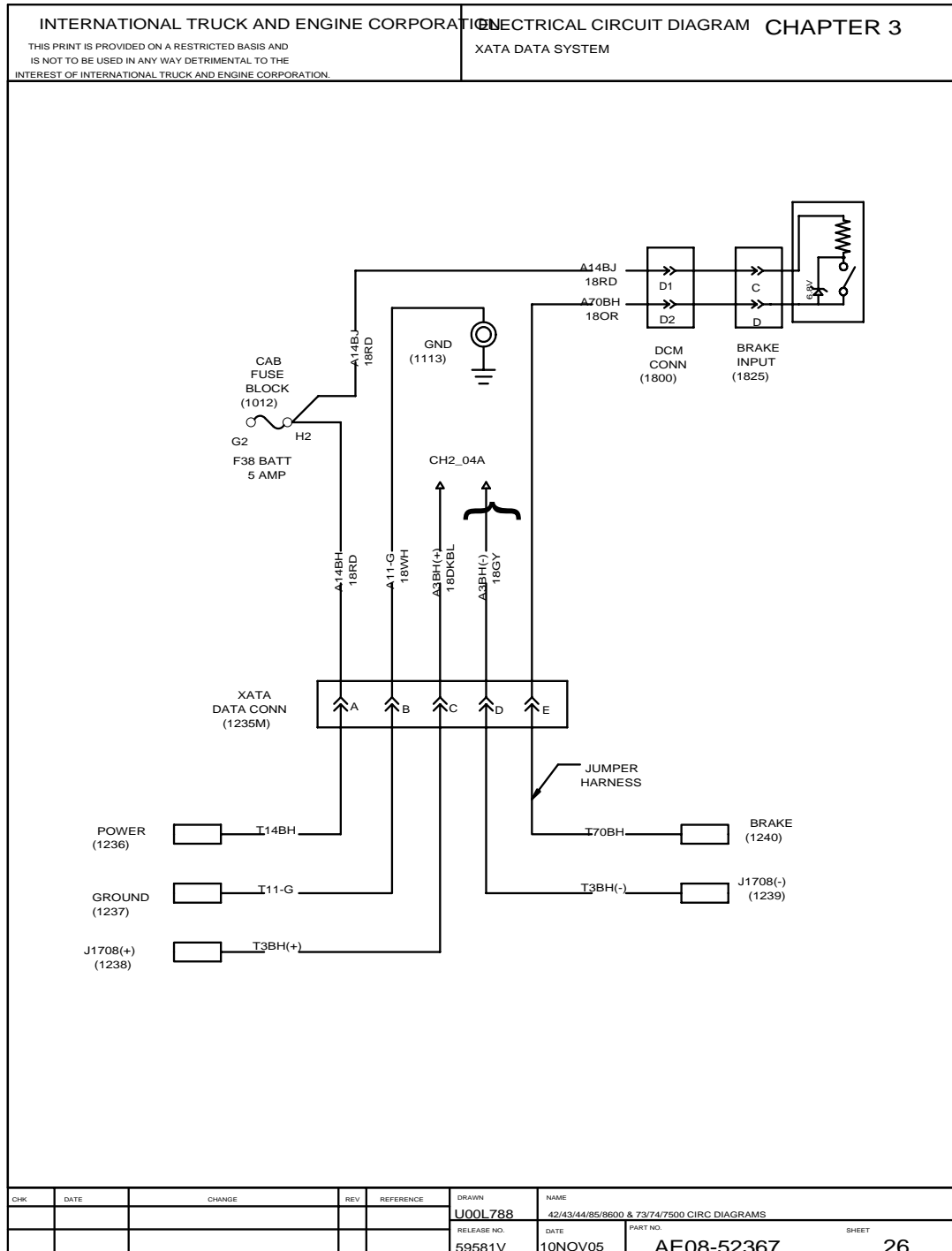
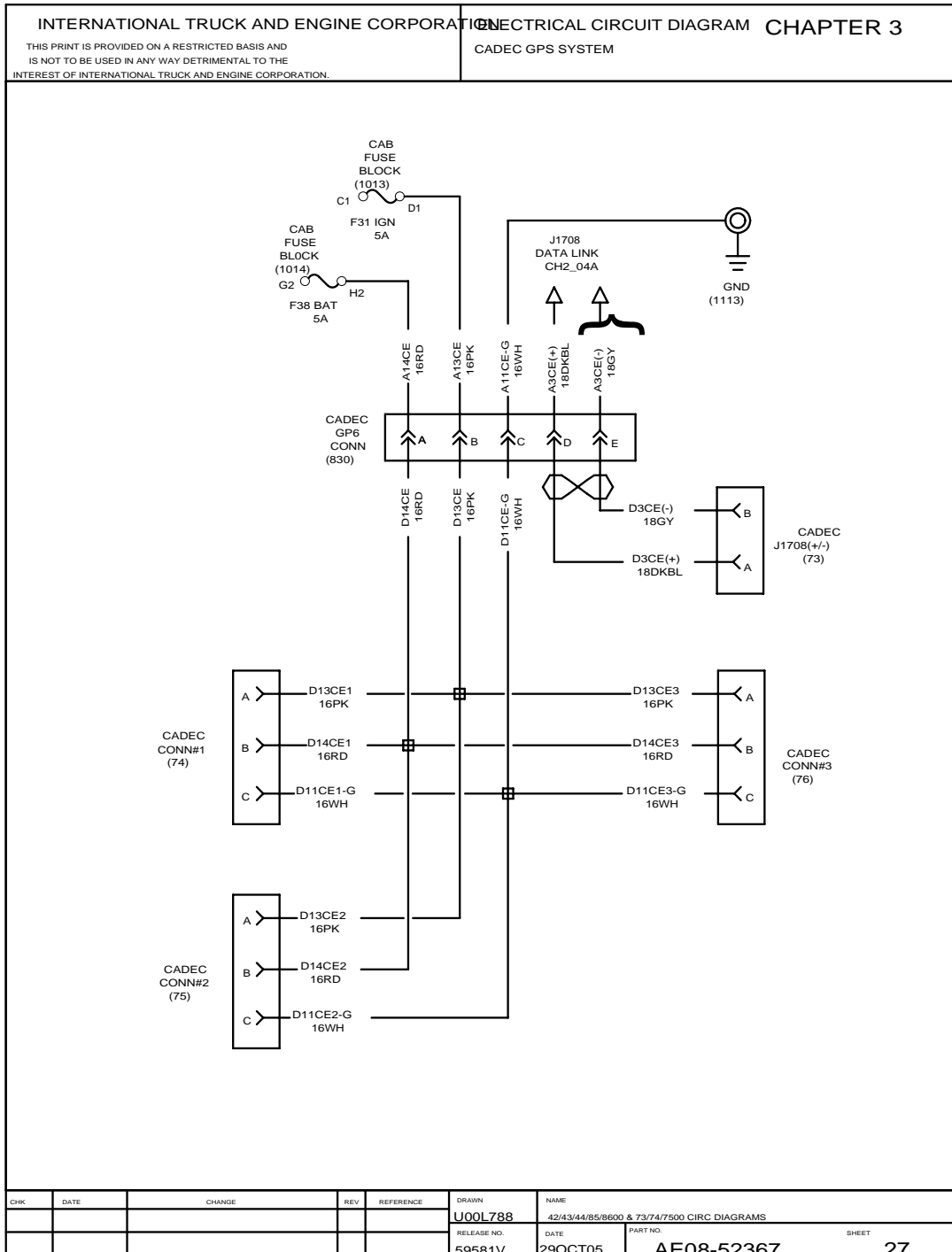


Figure 55 XATA Data System

### 3.27. CADEC GPS SYSTEM, P. 27



**Figure 56** Cadec GPS System

### 3.28. TRIP MASTER, P. 28

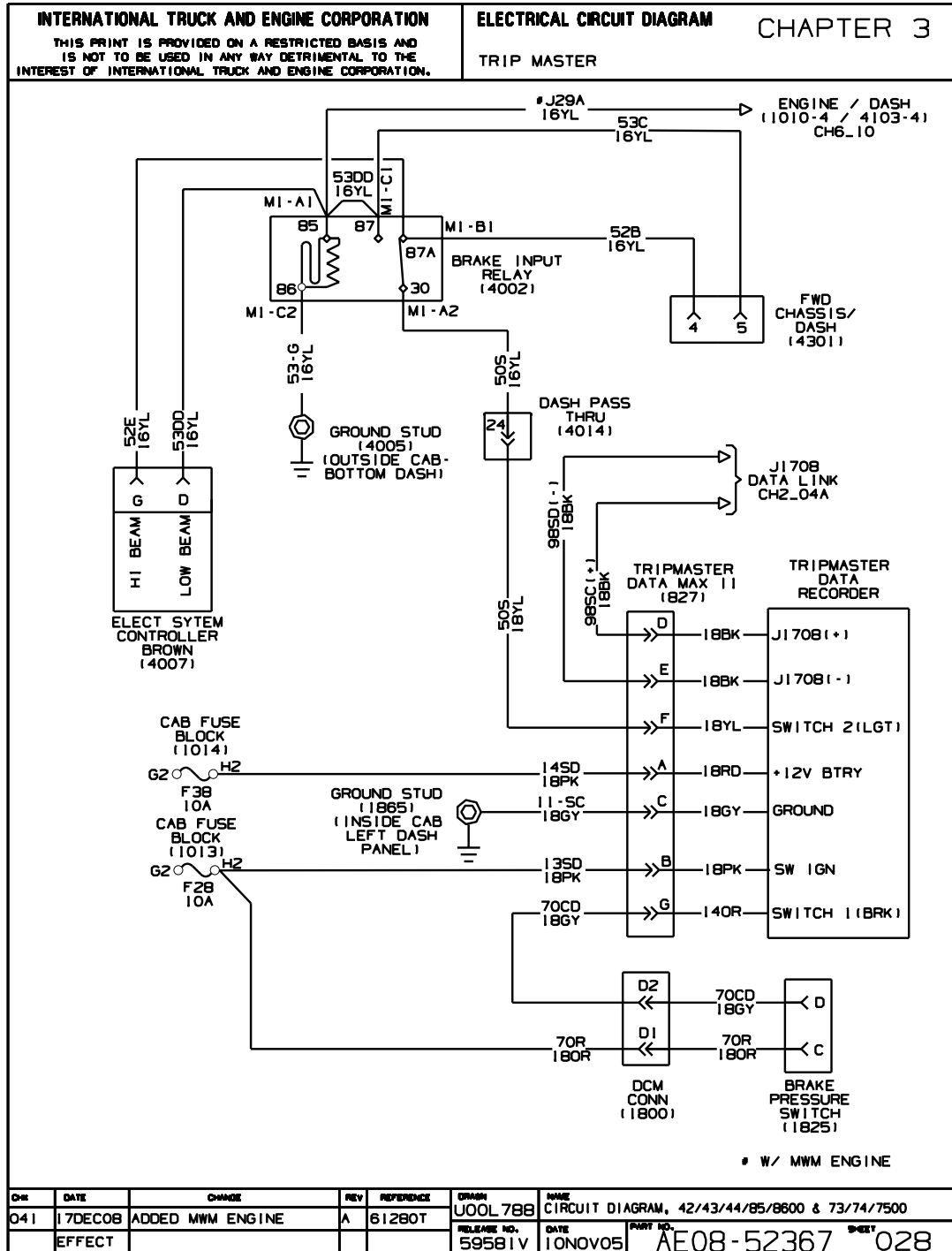
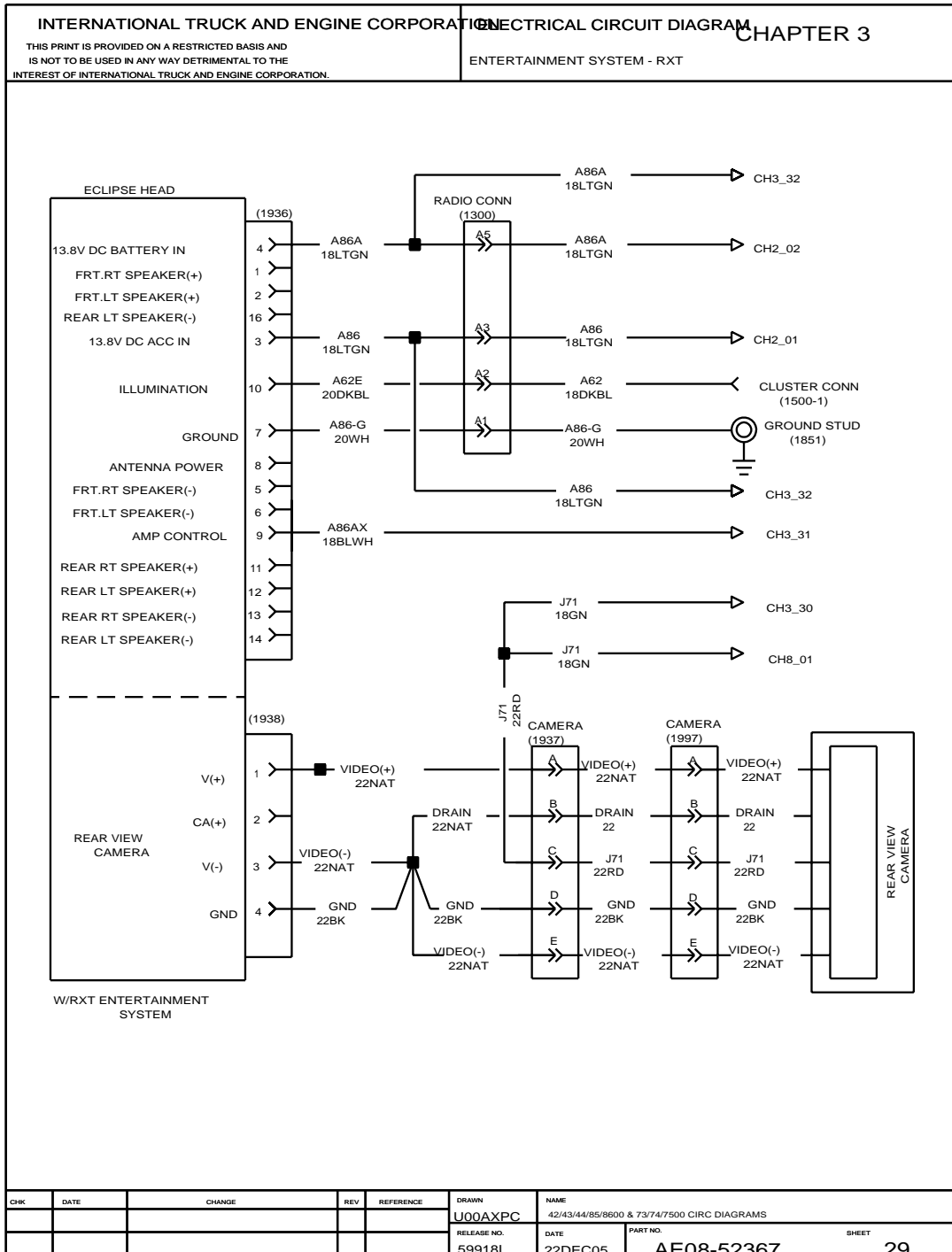


Figure 57 Trip Master

### 3.29. ENTERTAINMENT SYSTEM — RXT, P. 29



**Figure 58 Entertainment System — RXT**



### 3.30. ENTERTAINMENT SYSTEM — RXT, P. 30

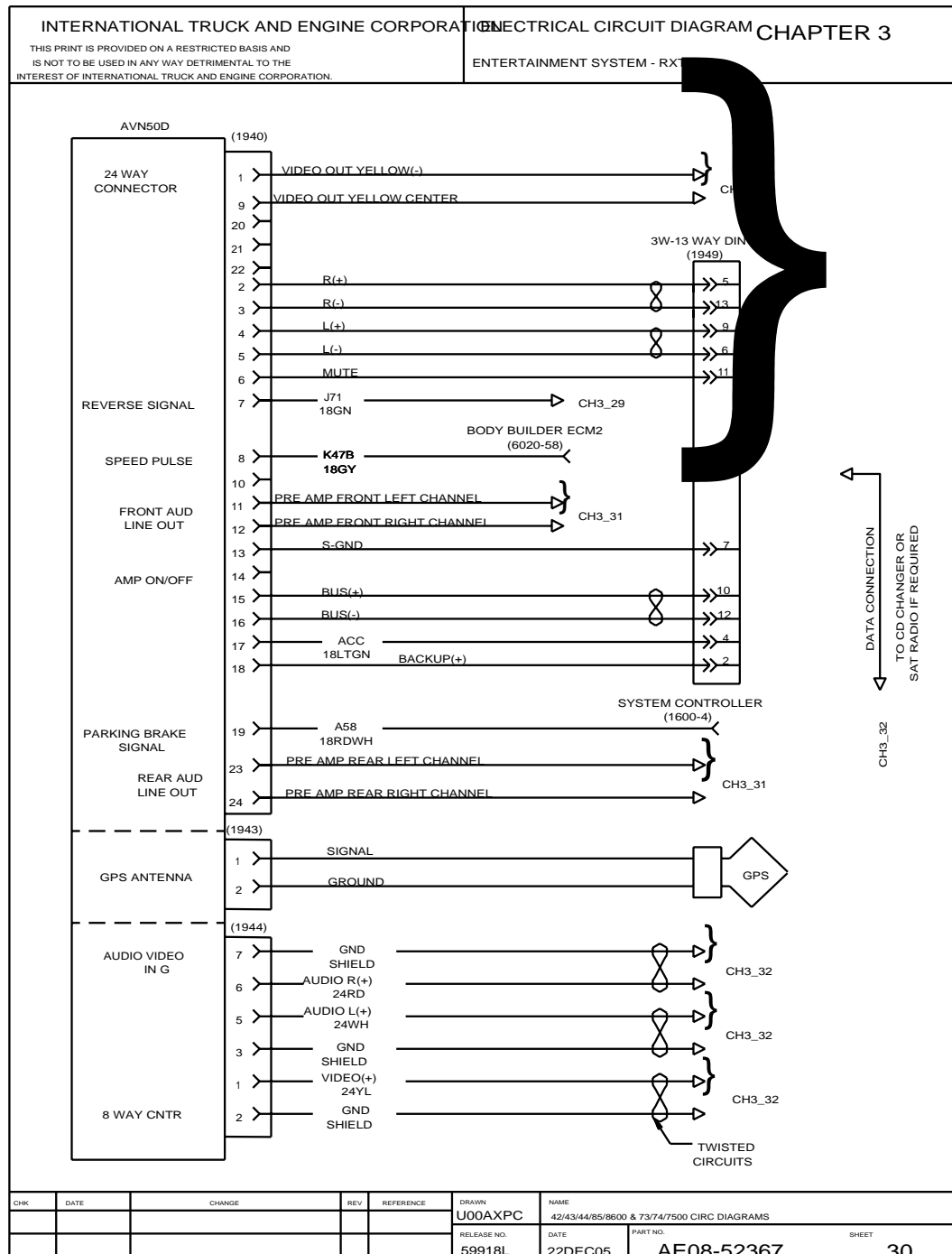
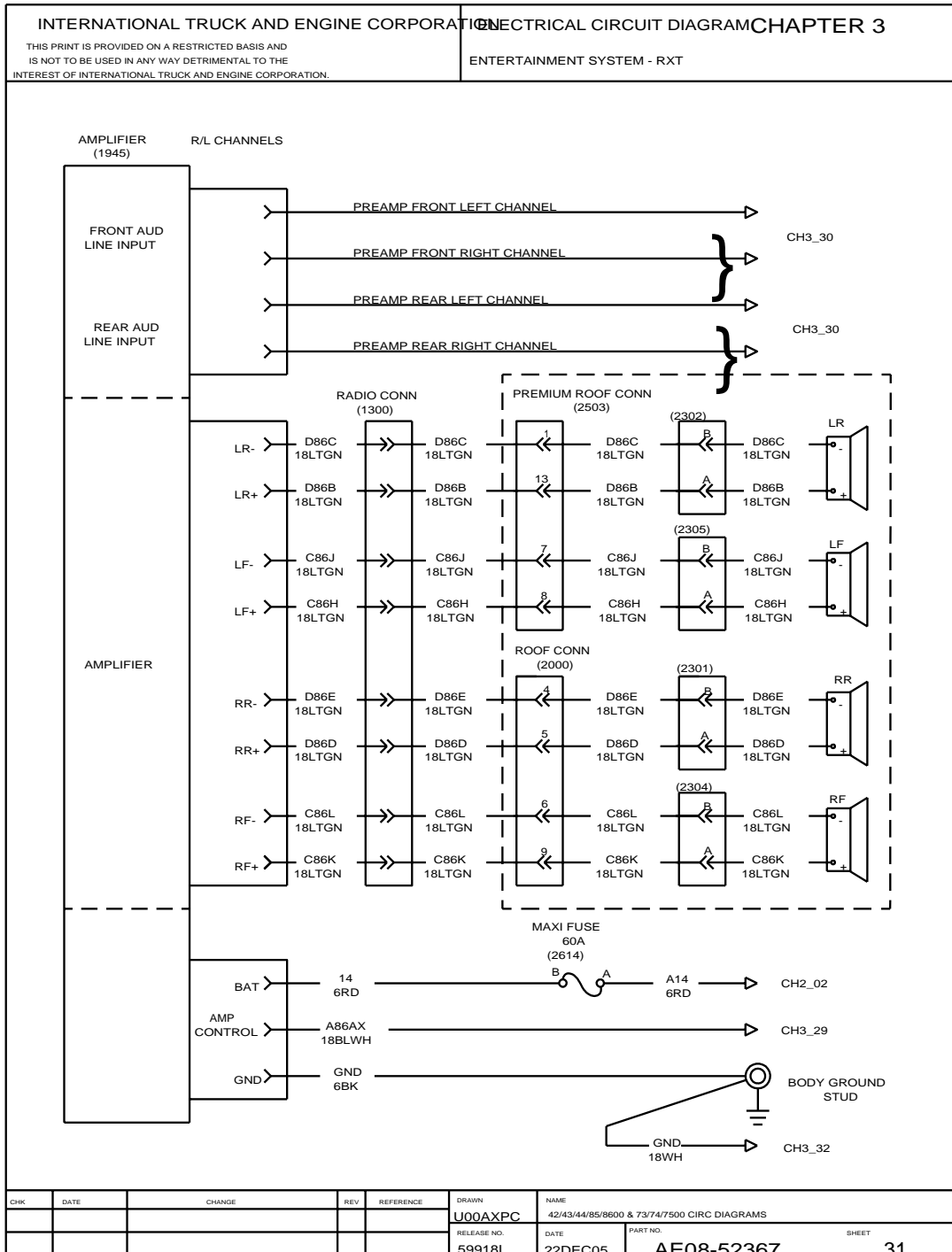


Figure 59 Entertainment System — RXT

### 3.31. ENTERTAINMENT SYSTEM — RXT, P. 31

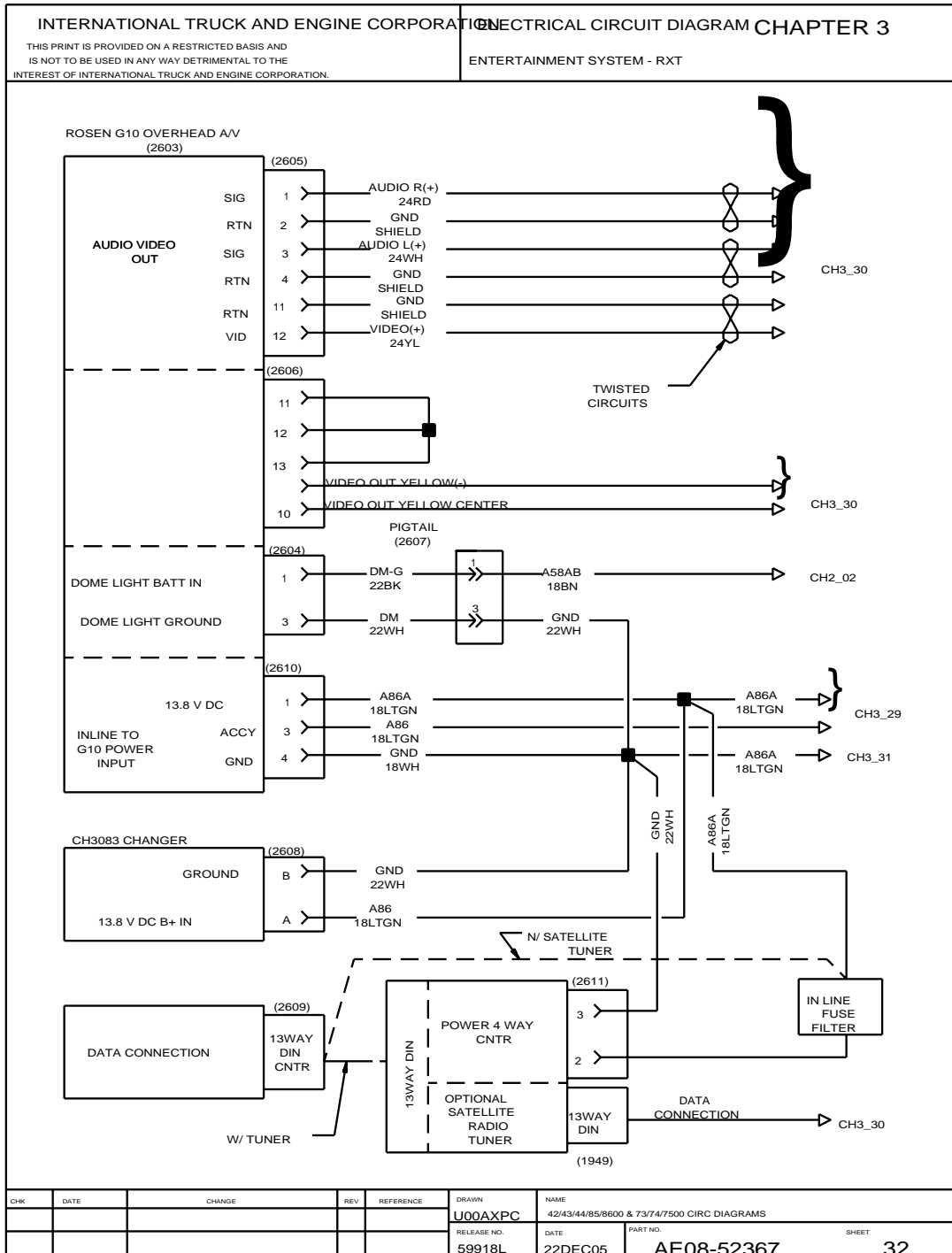


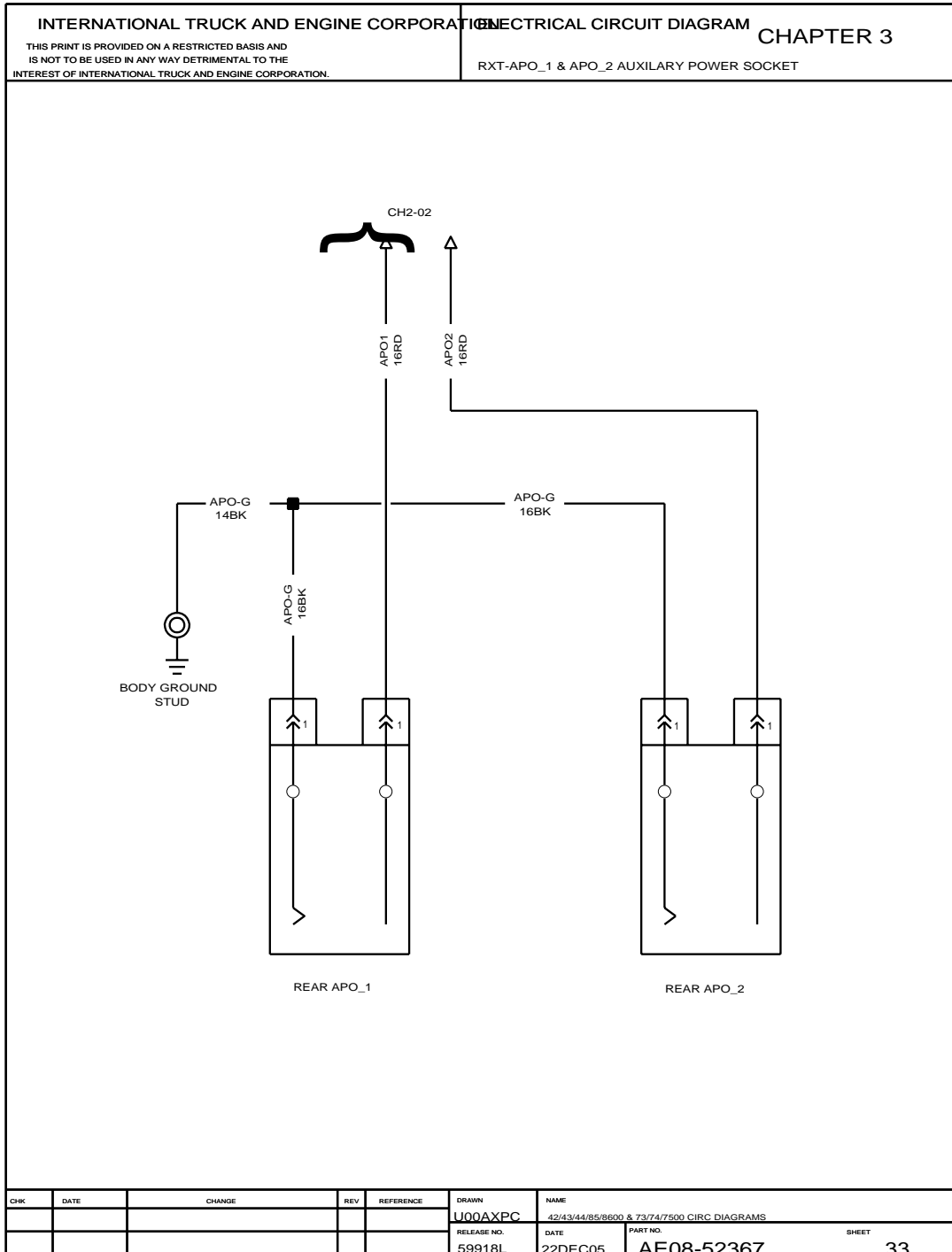
**Figure 60 Entertainment System — RXT**

**3200, 4100, 4200, 4300, 4400, 7300, 7400, 7500, 7600, 7700, 8500, 8600, MXT, RXT**  
**Models Built Oct. 1, 2005 to Feb. 28, 2007 — ELECTRICAL CIRCUIT DIAGRAMS**

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### 3.32. ENTERTAINMENT SYSTEM — RXT, P. 32



**3.33. RXT — APO\_1 AND APO\_2 AUXILIARY POWER SOCKET, P. 33**

**Figure 62 RXT — APO\_1 and APO\_2 Auxiliary Power Socket**

### 3.34. TACHOGRAPH, P. 34

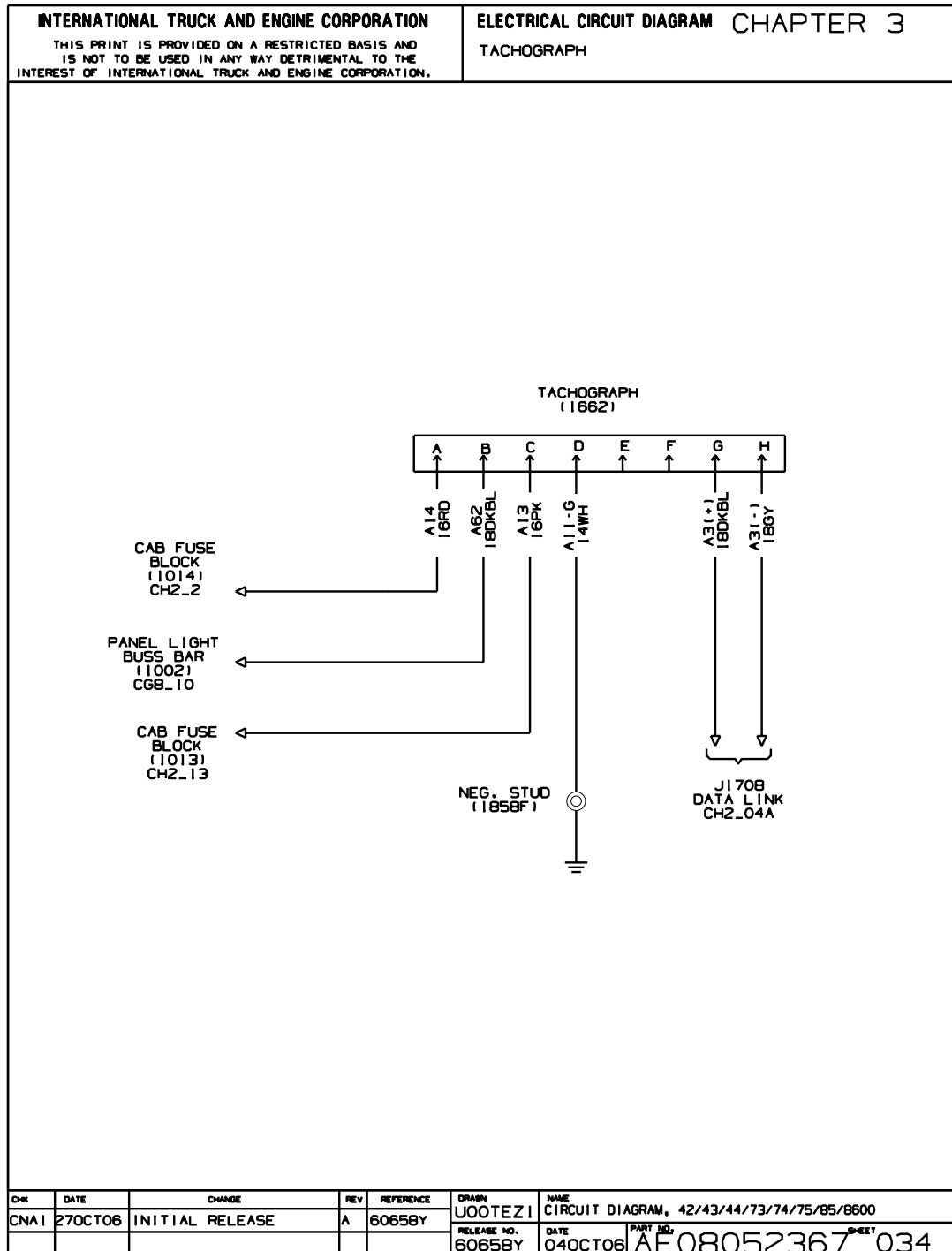
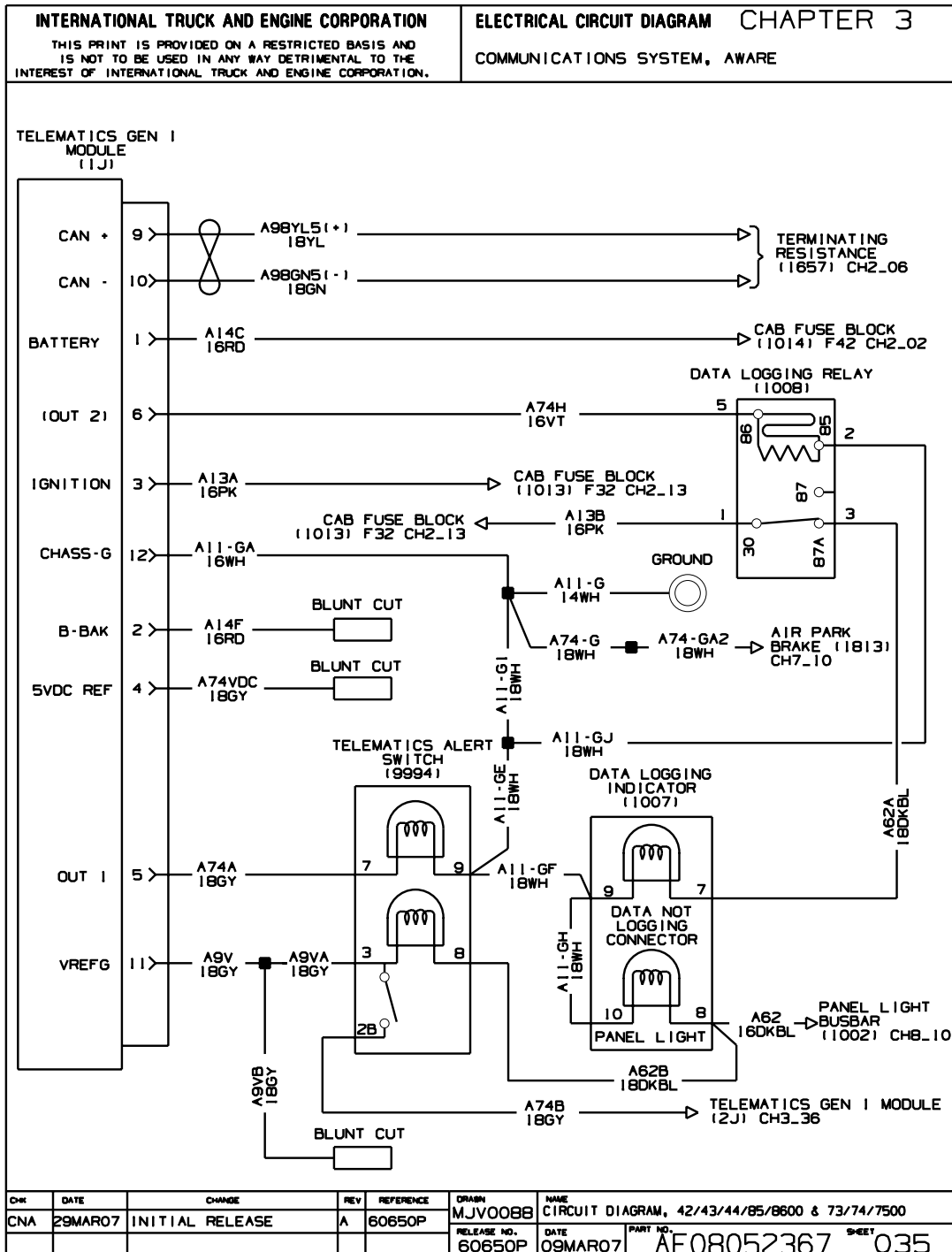


Figure 63 Tachograph

### 3.35. COMMUNICATIONS SYSTEM, AWARE, P. 35



**Figure 64 Communications System, AWARE**

### 3.36. COMMUNICATIONS SYSTEM, AWARE, P. 36

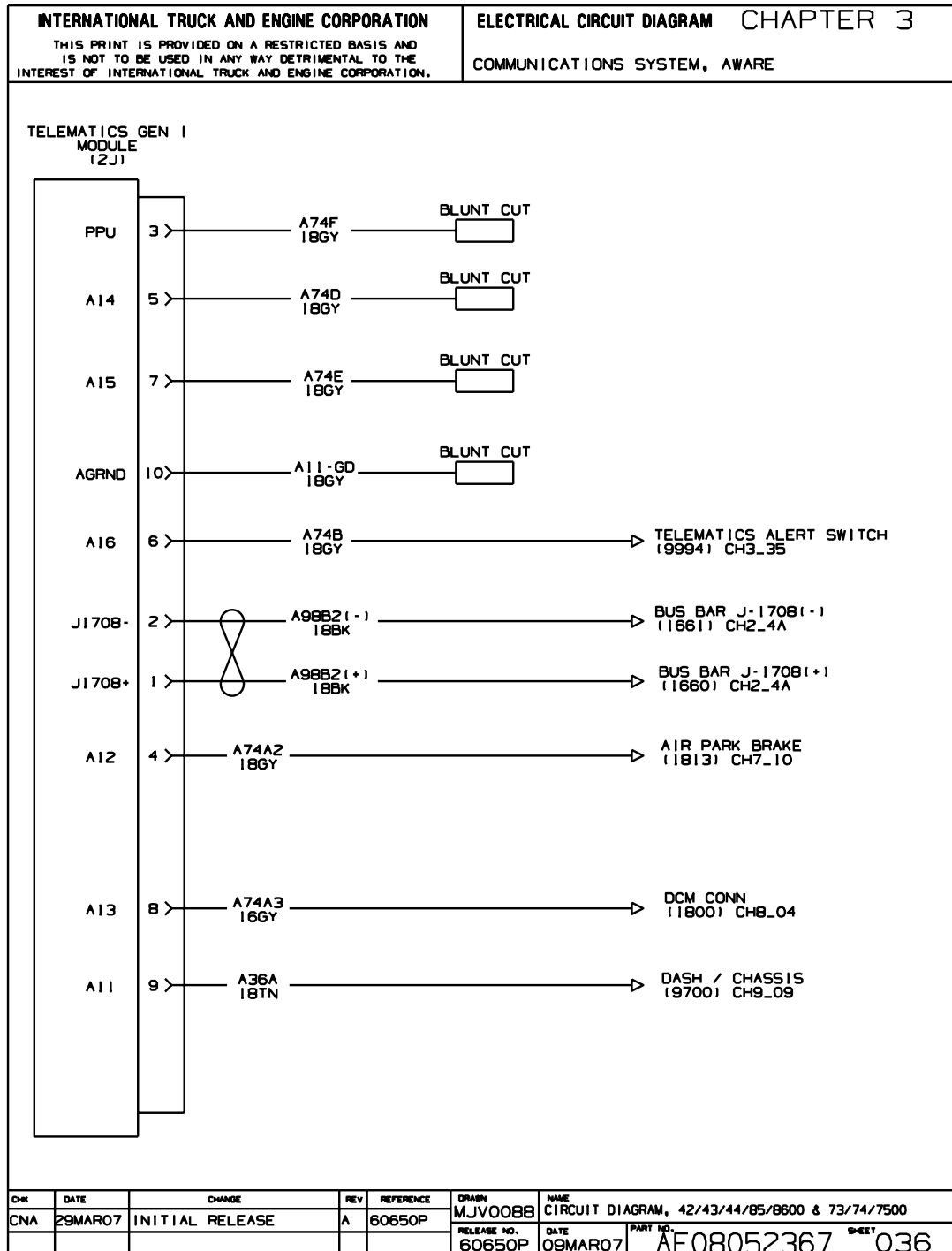


Figure 65 Communications System, AWARE

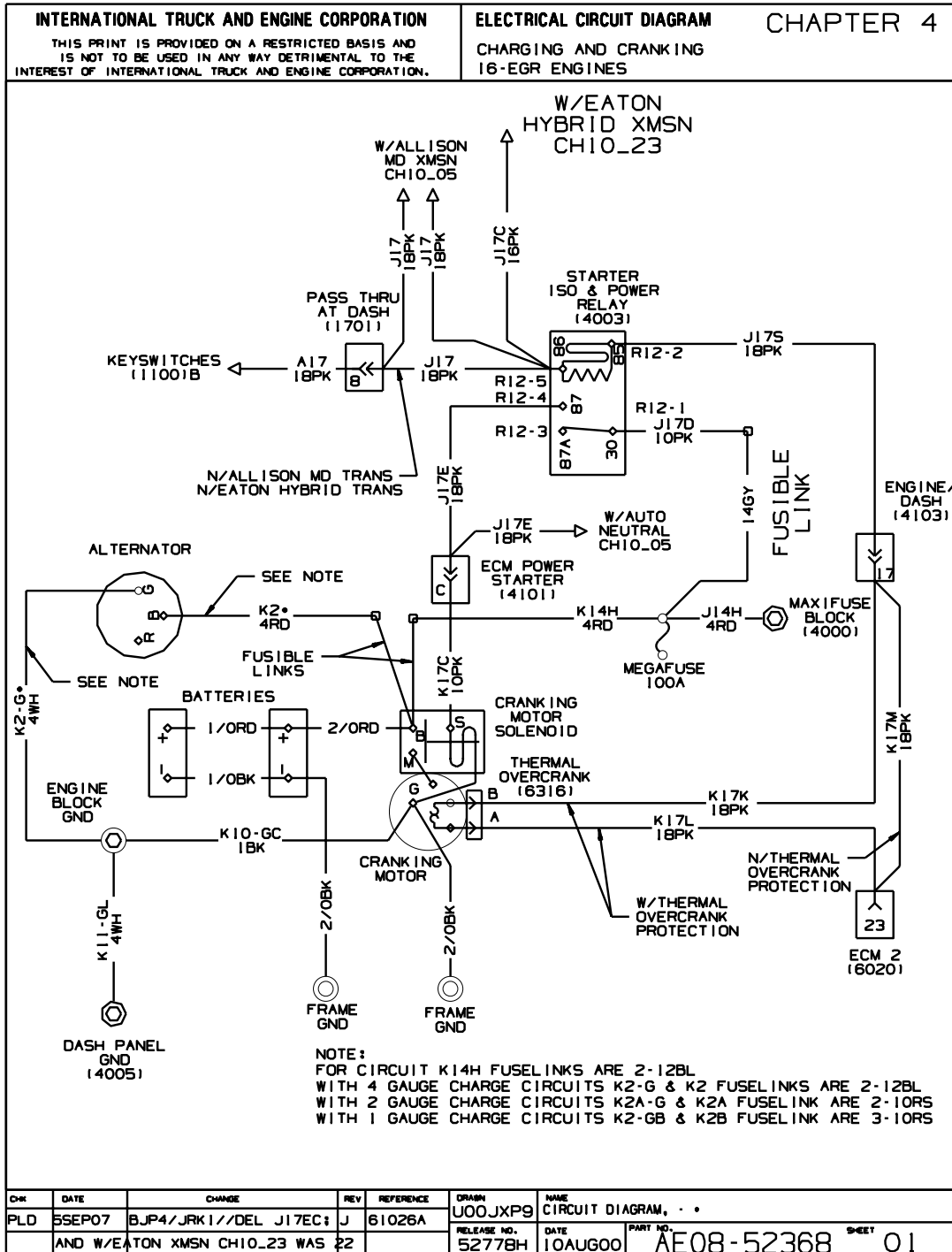
**4. 12V CHARGING + CRANKING SYSTEM (CHAPTER 4)****4.1. I6 EGR ENGINES, P. 1**

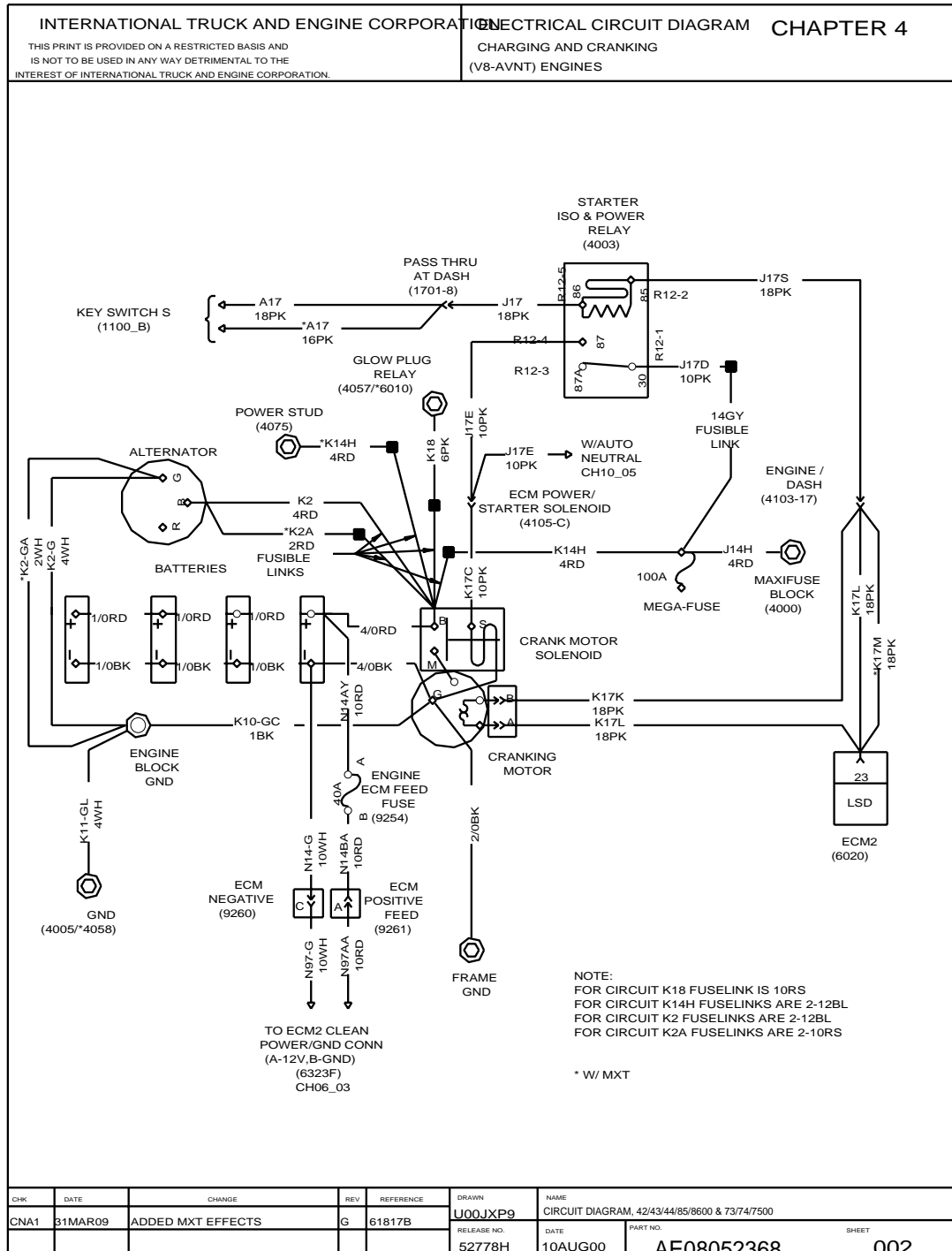
Figure 66 I6 EGR Engines



**3200, 4100, 4200, 4300, 4400, 7300, 7400, 7500, 7600, 7700, 8500, 8600, MXT, RXT  
Models Built Oct. 1, 2005 to Feb. 28, 2007 — ELECTRICAL CIRCUIT DIAGRAMS**

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## 4.2. V8 AVNT ENGINES, P. 2



**Figure 67 V8 AVNT Engines**

## 4.3. CATERPILLAR, CUMMINS ISM ENGINES, P. 3

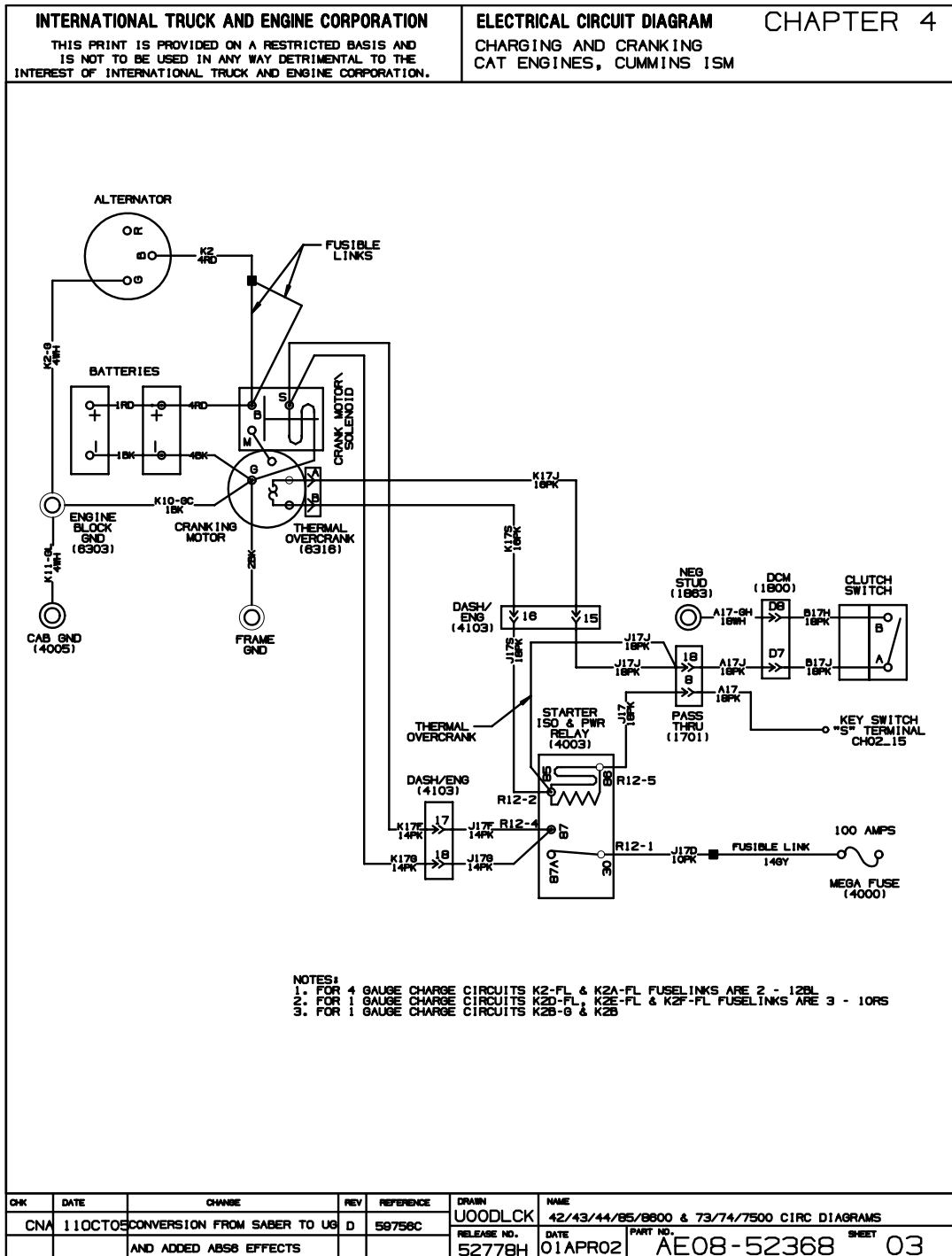
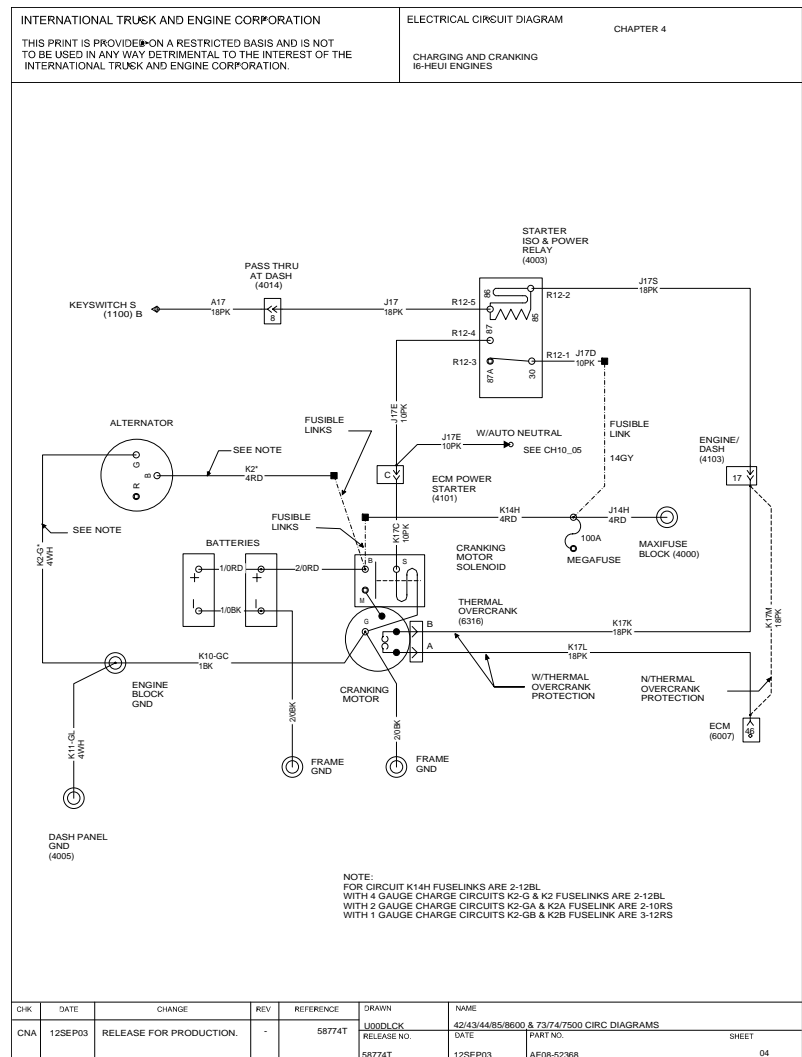


Figure 68 Caterpillar, Cummins ISM Engines

**3200, 4100, 4200, 4300, 4400, 7300, 7400, 7500, 7600, 7700, 8500, 8600, MXT, RXT**  
**Models Built Oct. 1, 2005 to Feb. 28, 2007 — ELECTRICAL CIRCUIT DIAGRAMS**

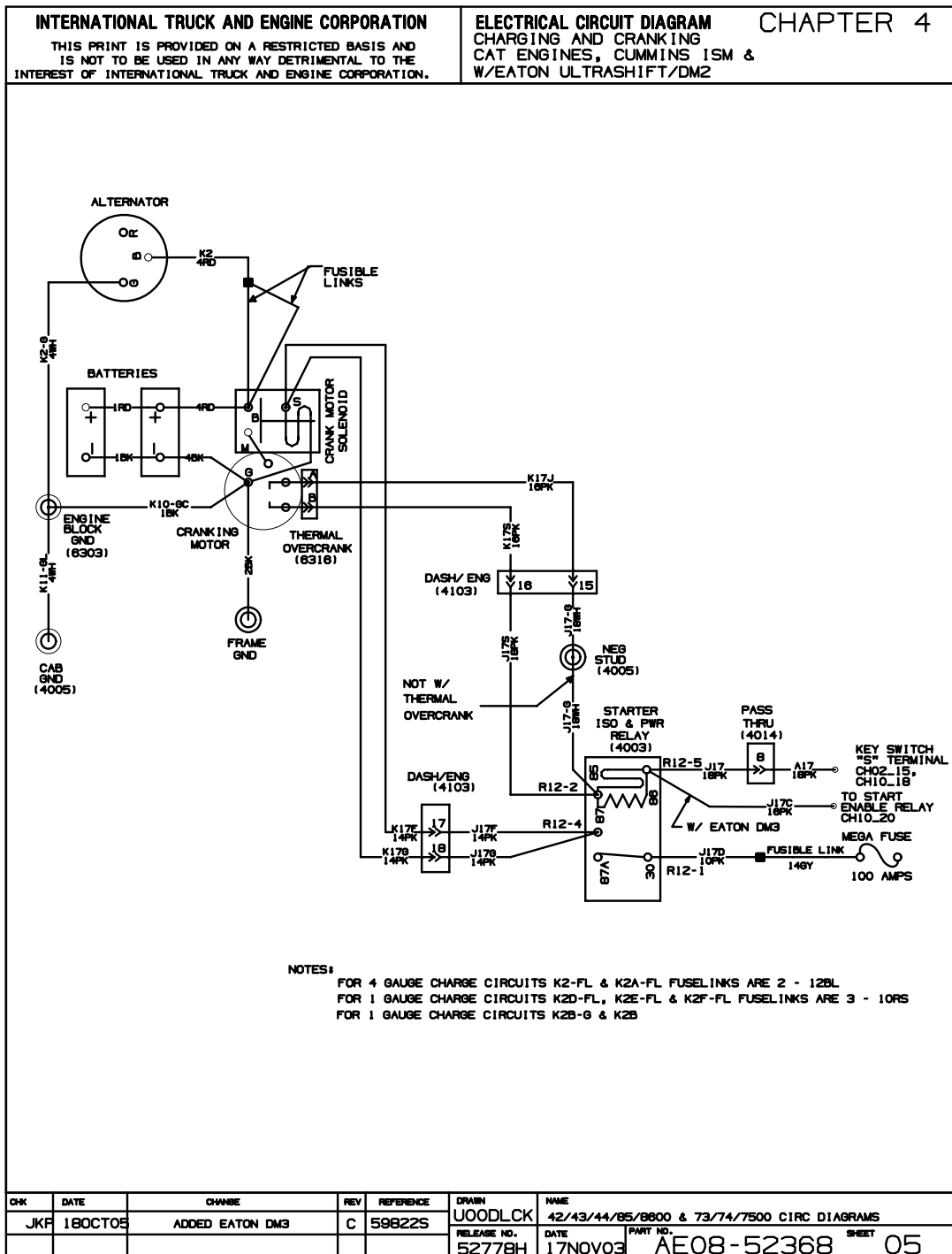
69

#### 4.4. I6 HEUI ENGINES, P. 4



**Figure 69 I6 HEUI Engines**

#### 4.5. CATERPILLAR ENGINES, CUMMINS ISM AND WITH EATON ULTRASHIFT/DM2, P. 5



### Figure 70 Caterpillar Engines, Cummins ISM and with Eaton Ultrashift/DM2

## 4.6. I6 EGR ENGINES WITH AIR START, P. 6

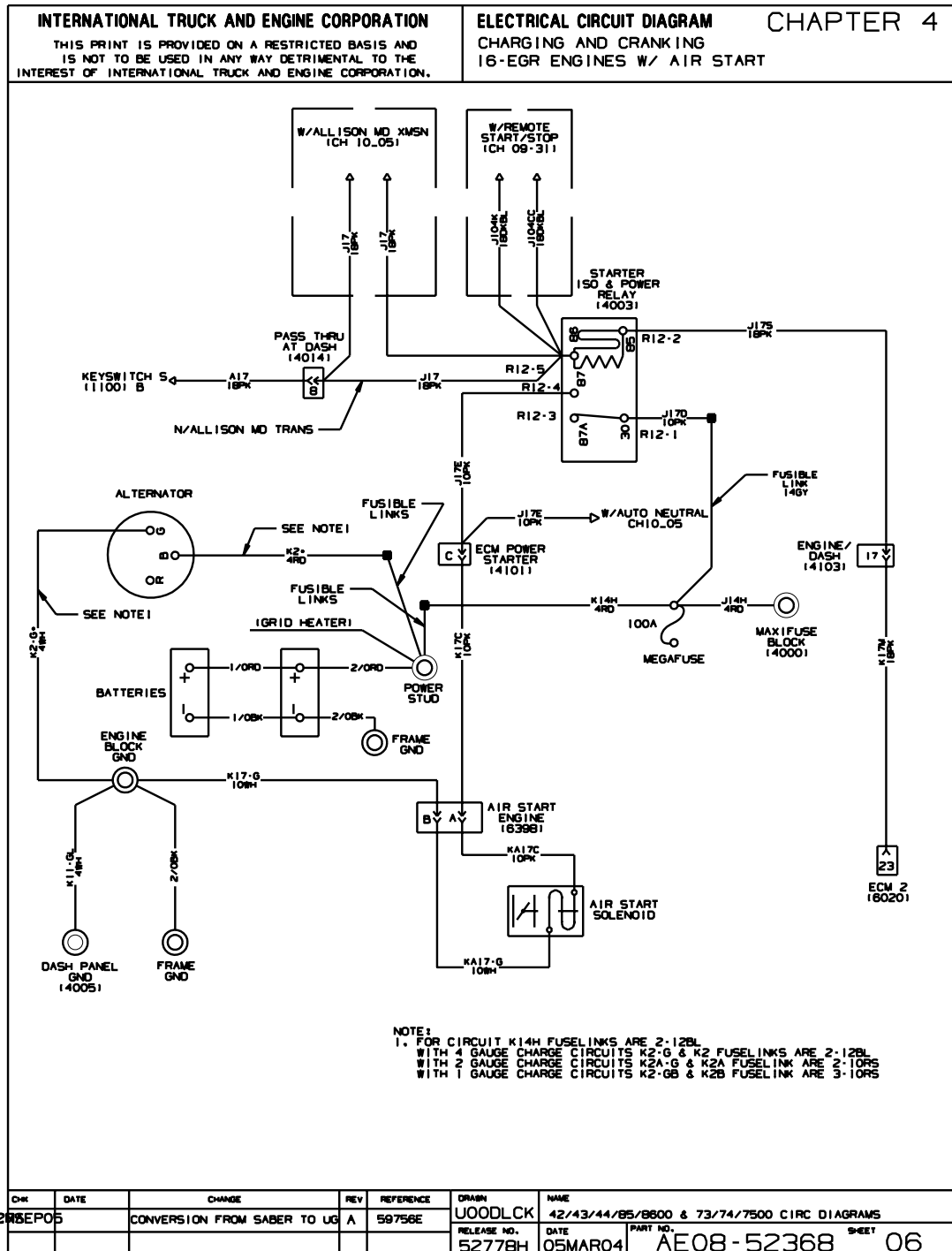


Figure 71 I6 EGR Engines with Air Start

#### 4.7. I6 EGR AND POWER PACK 3KW, P. 7

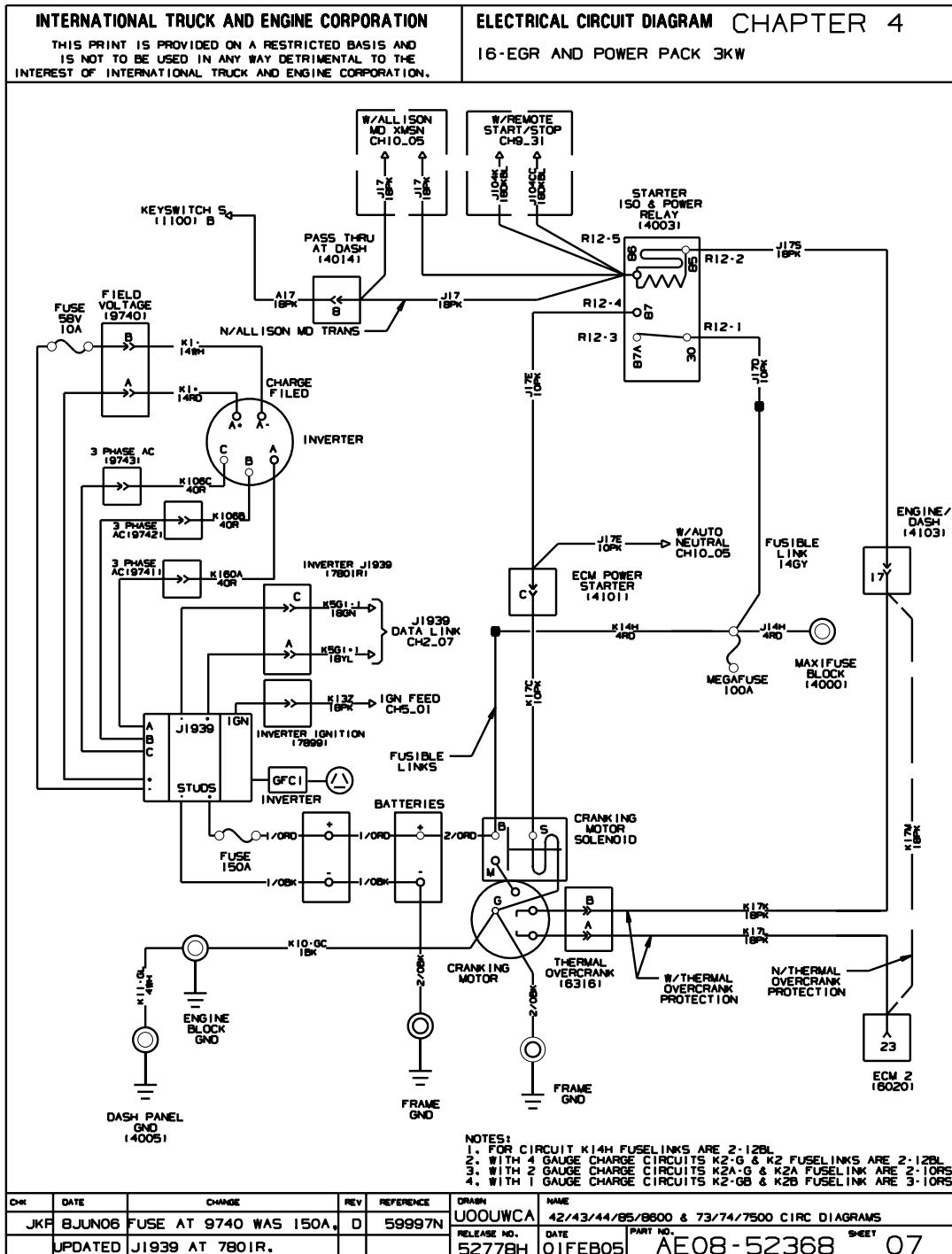


Figure 72 I6 EGR and Power Pack 3KW

## 5. FANS AND ENGINE ACCESSORIES (CHAPTER 5)

### 5.1. FAN WIRING, INTERNATIONAL ENGINES, P. 1

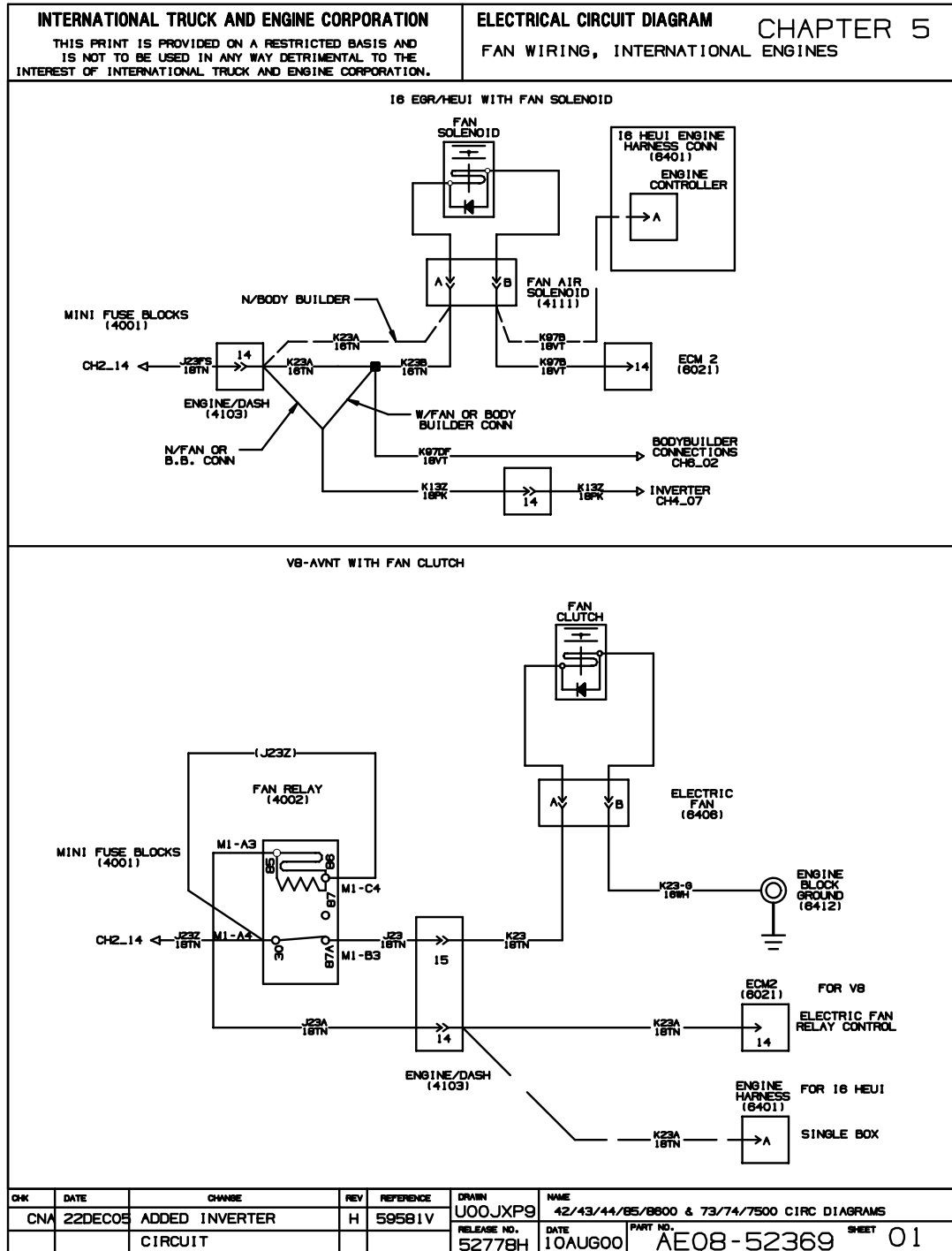


Figure 73 Fan Wiring, International Engines

## 5.2. ETHER START, P. 2

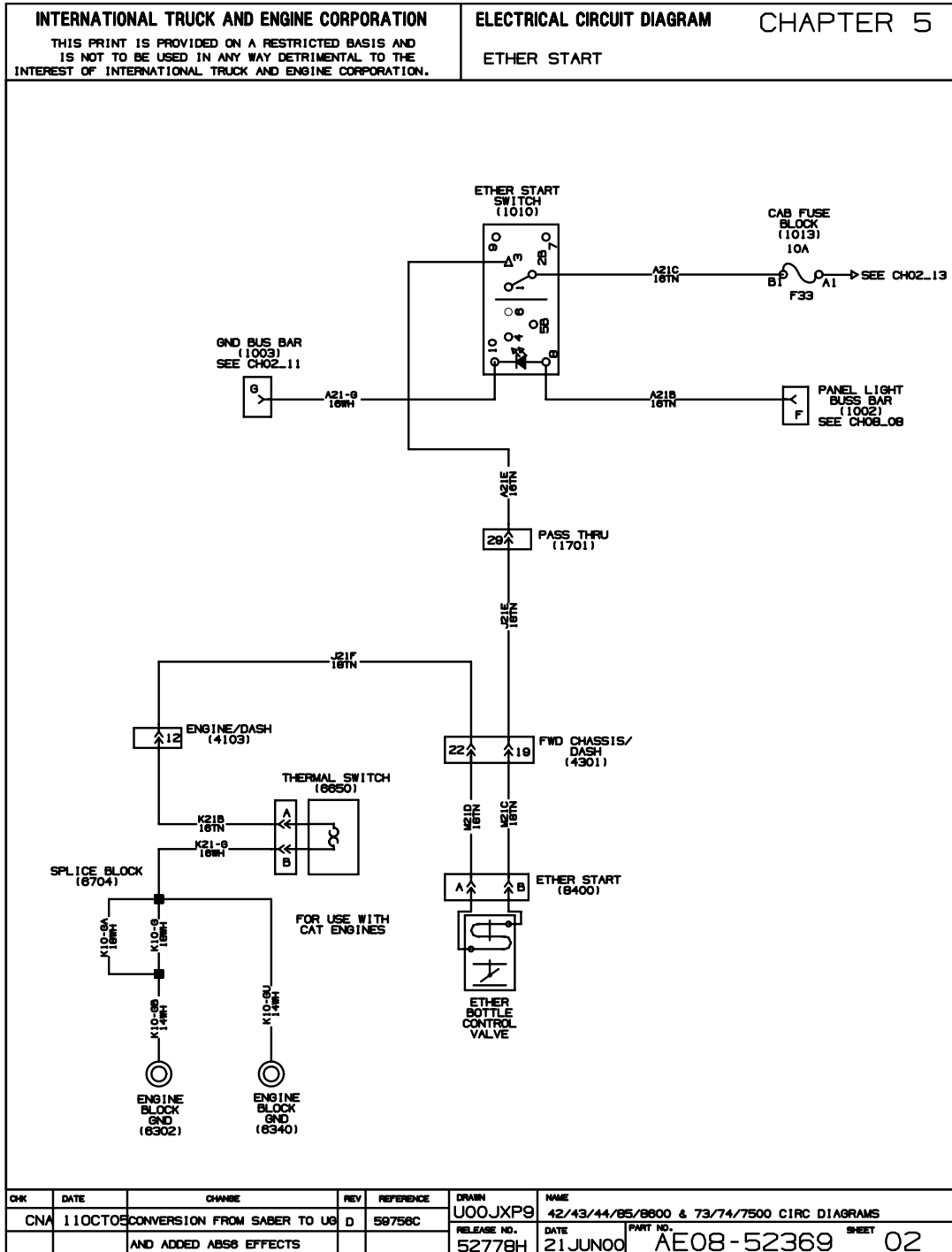


Figure 74 Ether Start



### 5.3. SNOW VALVE, P. 3

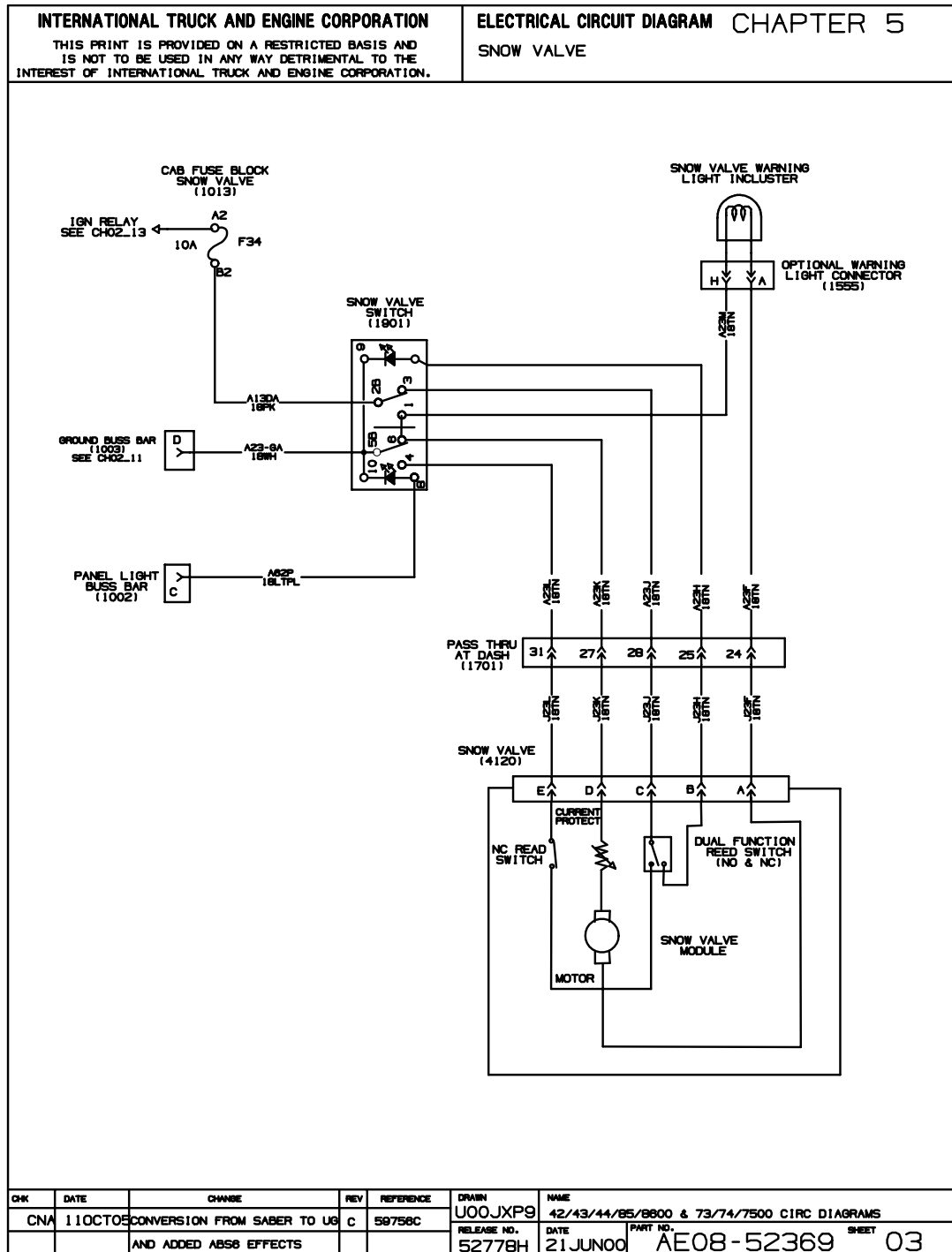


Figure 75 Snow Valve

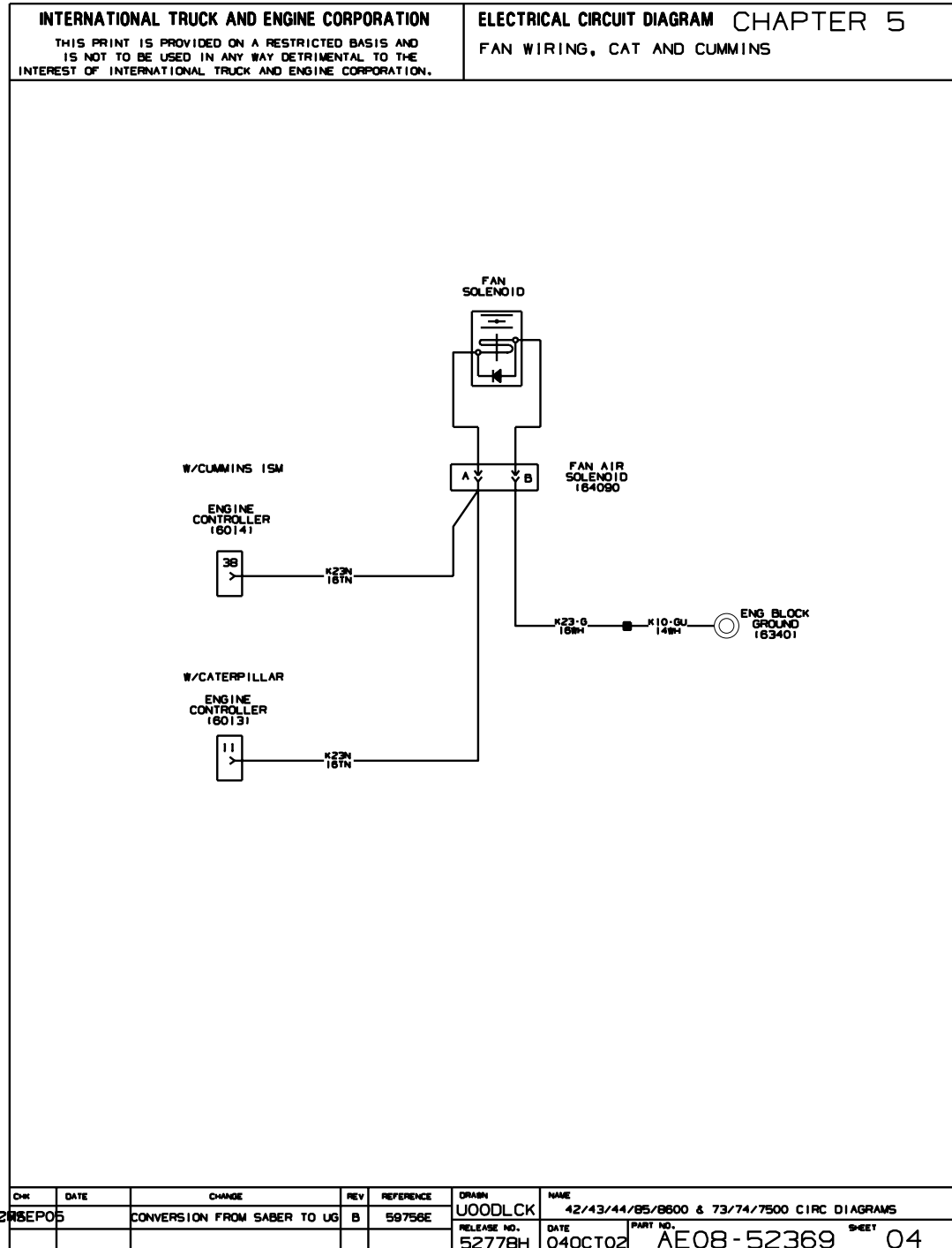
**5.4. FAN WIRING, CATERPILLAR AND CUMMINS, P. 4**

Figure 76 Fan Wiring, Caterpillar and Cummins

## 5.5. ENGINE FAN, MWM ENGINE, P. 5

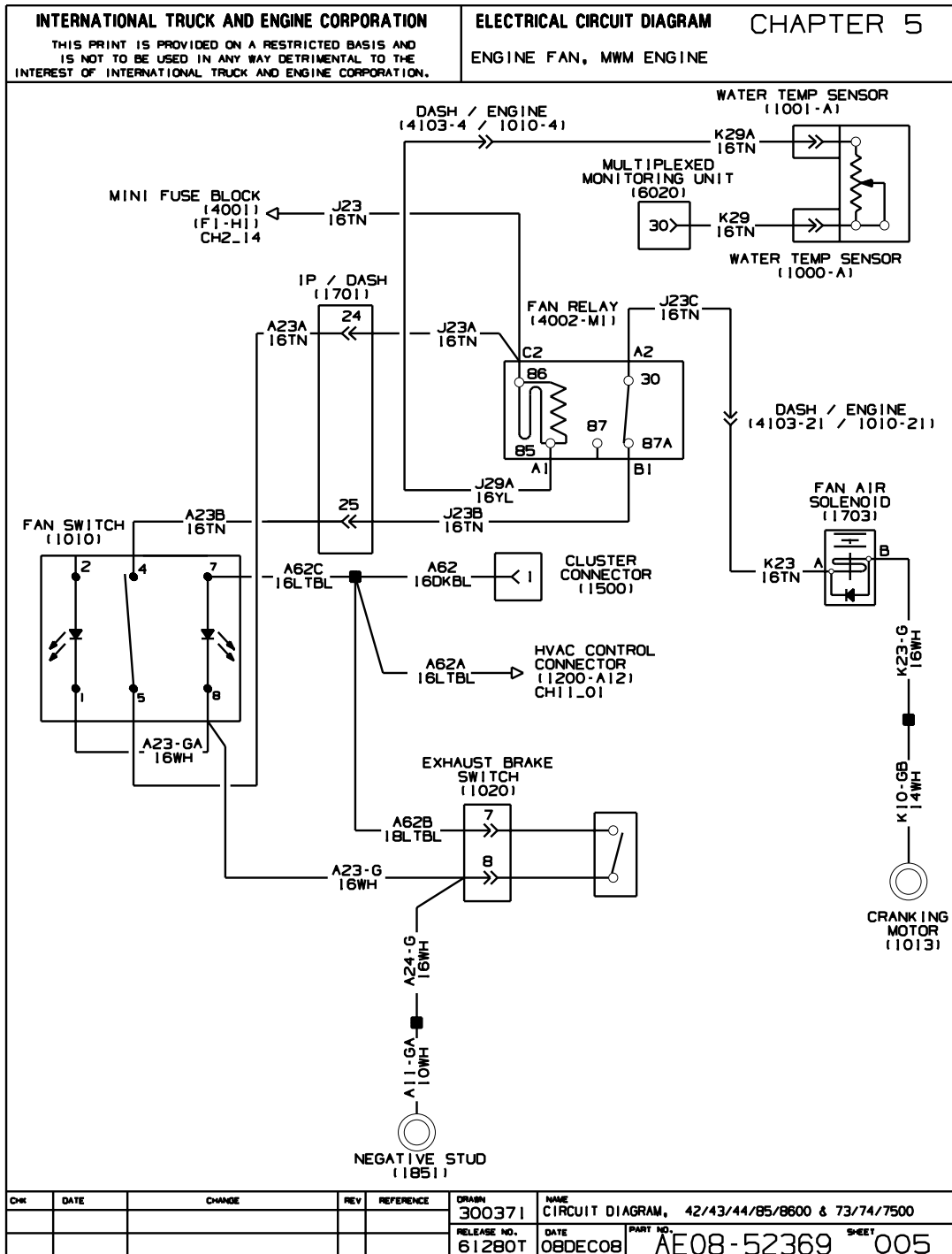


Figure 77 Engine Fan, MWM Engine

## 5.6. EXHAUST BRAKE, MWM ENGINE, P. 6

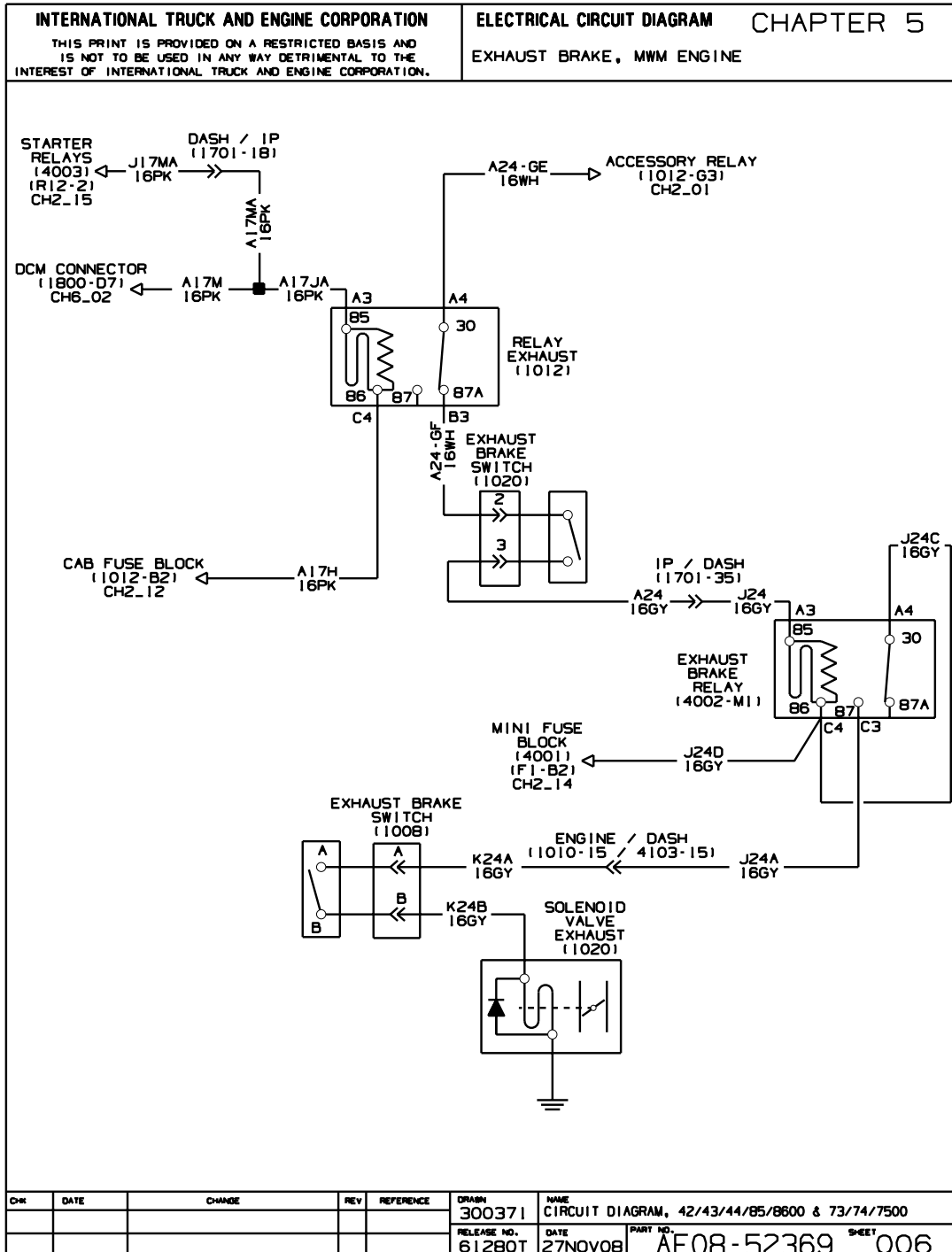


Figure 78 Exhaust Brake, MWM Engine

## 6. ELECTRONIC ENGINES (CHAPTER 6)

## 6.1. ELECTRONIC ENGINE CONTROLS, I6-EGR ENGINES, P. 1

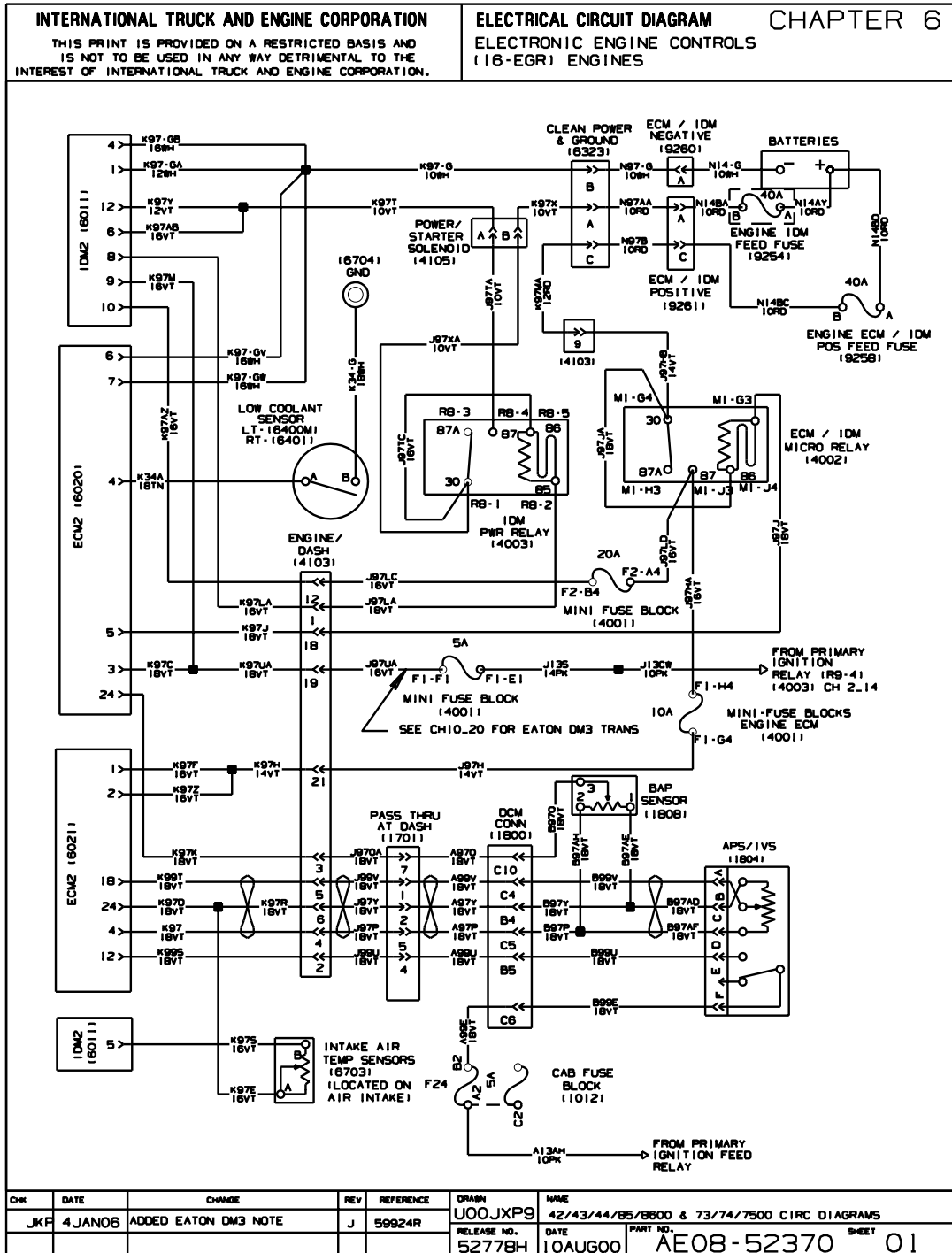
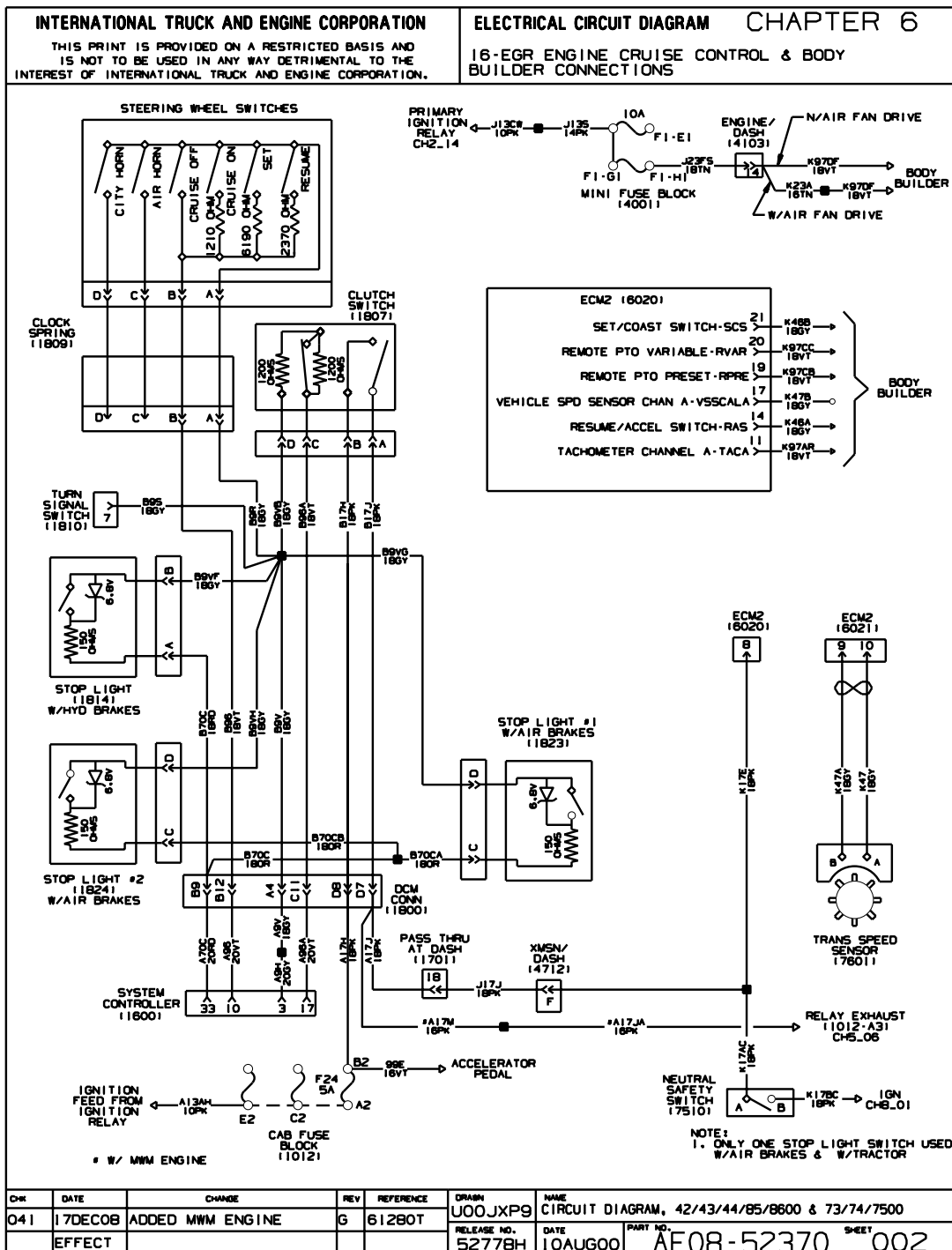


Figure 79 Electronic Engine Controls, I6-EGR Engines

## 6.2. ELECTRONIC ENGINE CONTROLS, I6-EGR ENGINE CRUISE CONTROL AND BODY BUILDER CONNECTIONS, P. 2



**Figure 80 Electronic Engine Controls, I6-EGR Engine Cruise Control and Body Builder Connections**

### 6.3. ELECTRONIC ENGINE CONTROLS, (V8-AVNT) ENGINES, P. 3



## 6.4. ELECTRONIC ENGINE CONTROLS, V8-AVNT ENGINE CRUISE CONTROL AND BODY BUILDER CONNECTIONS, P. 4

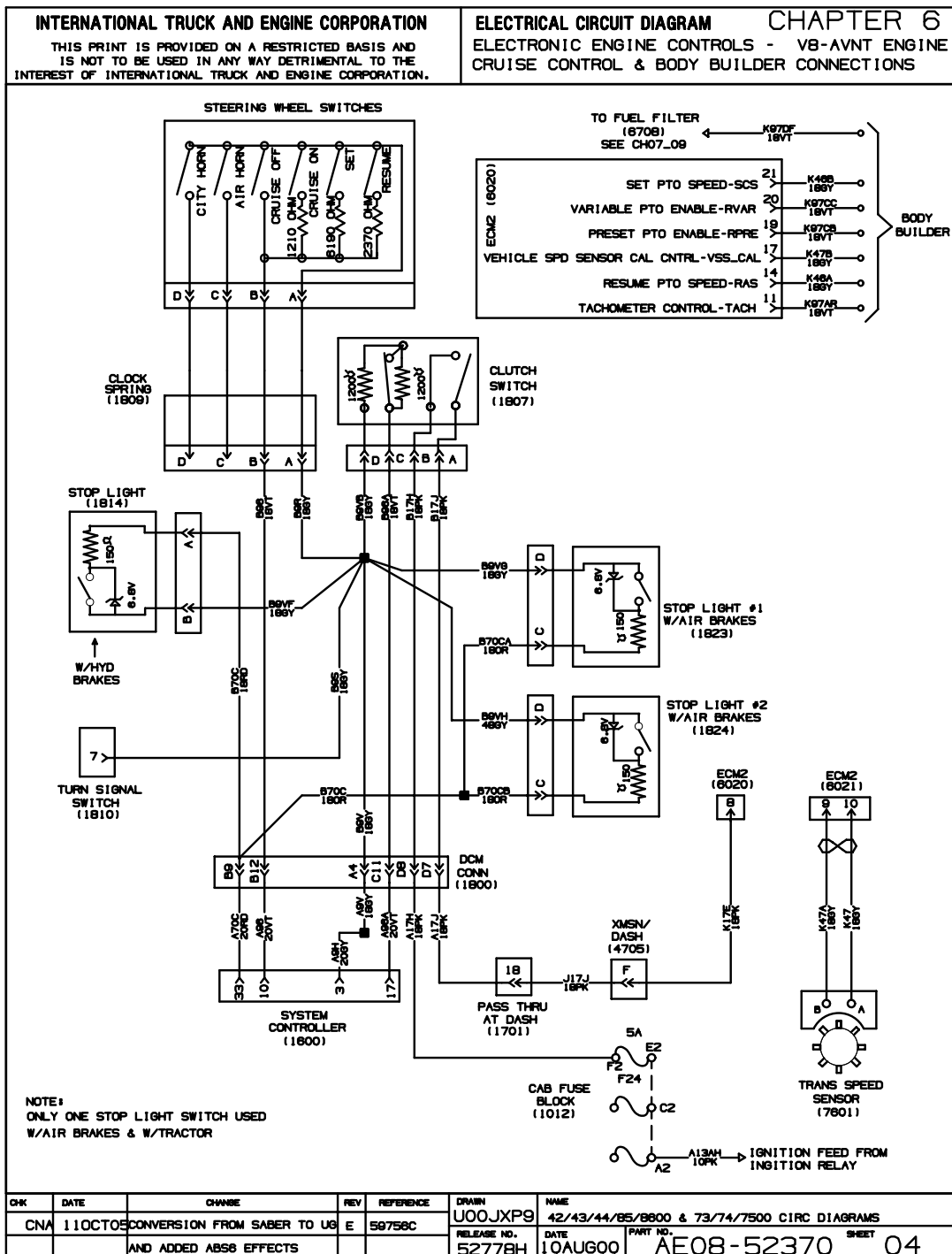
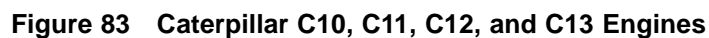


Figure 82 Electronic Engine Controls, V8-AVNT Engine Cruise Control and Body Builder Connections



## 6.5. CATERPILLAR C10, C11, C12, AND C13 ENGINES, P. 5



## 6.6. CUMMINS ISM ENGINE, P. 6

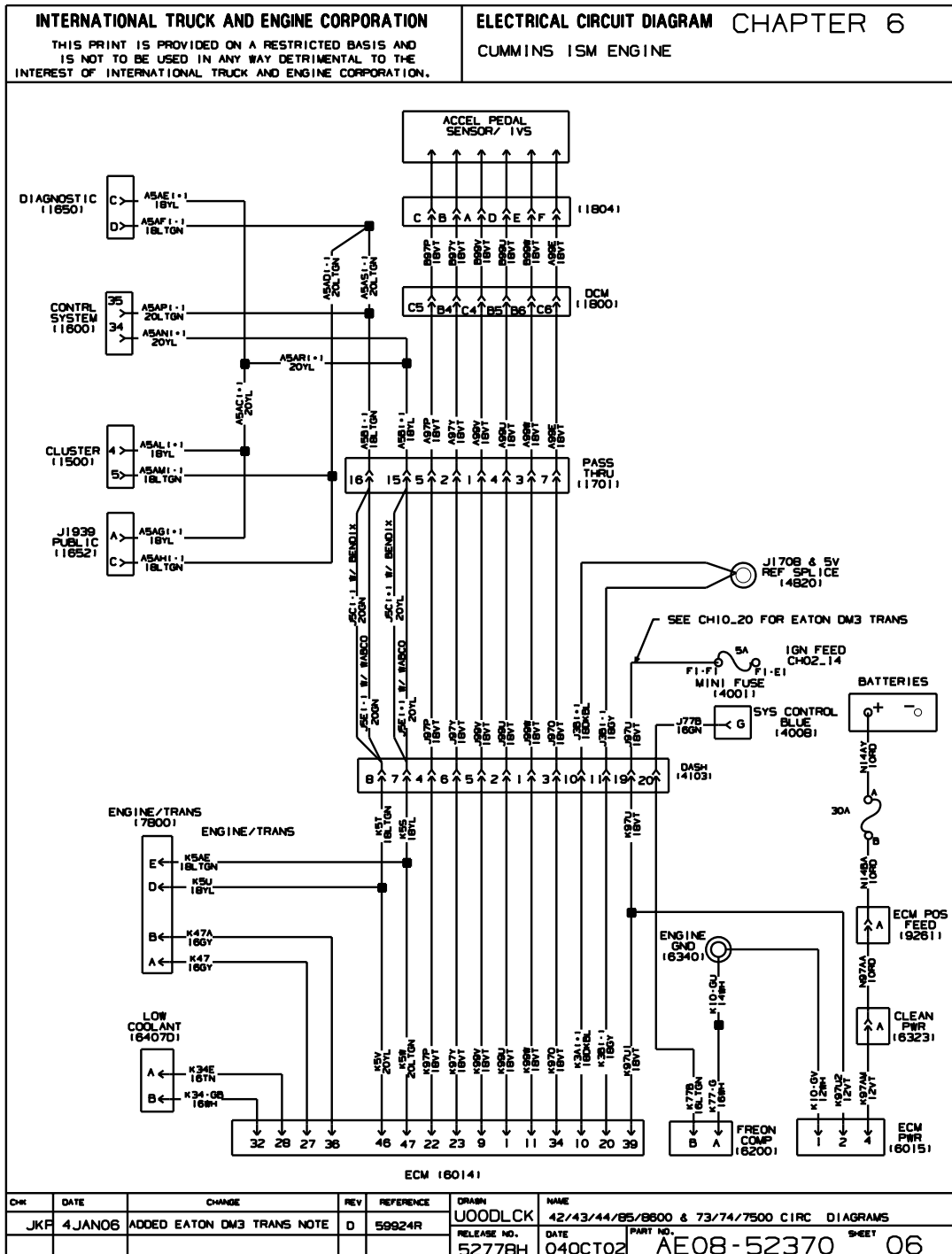
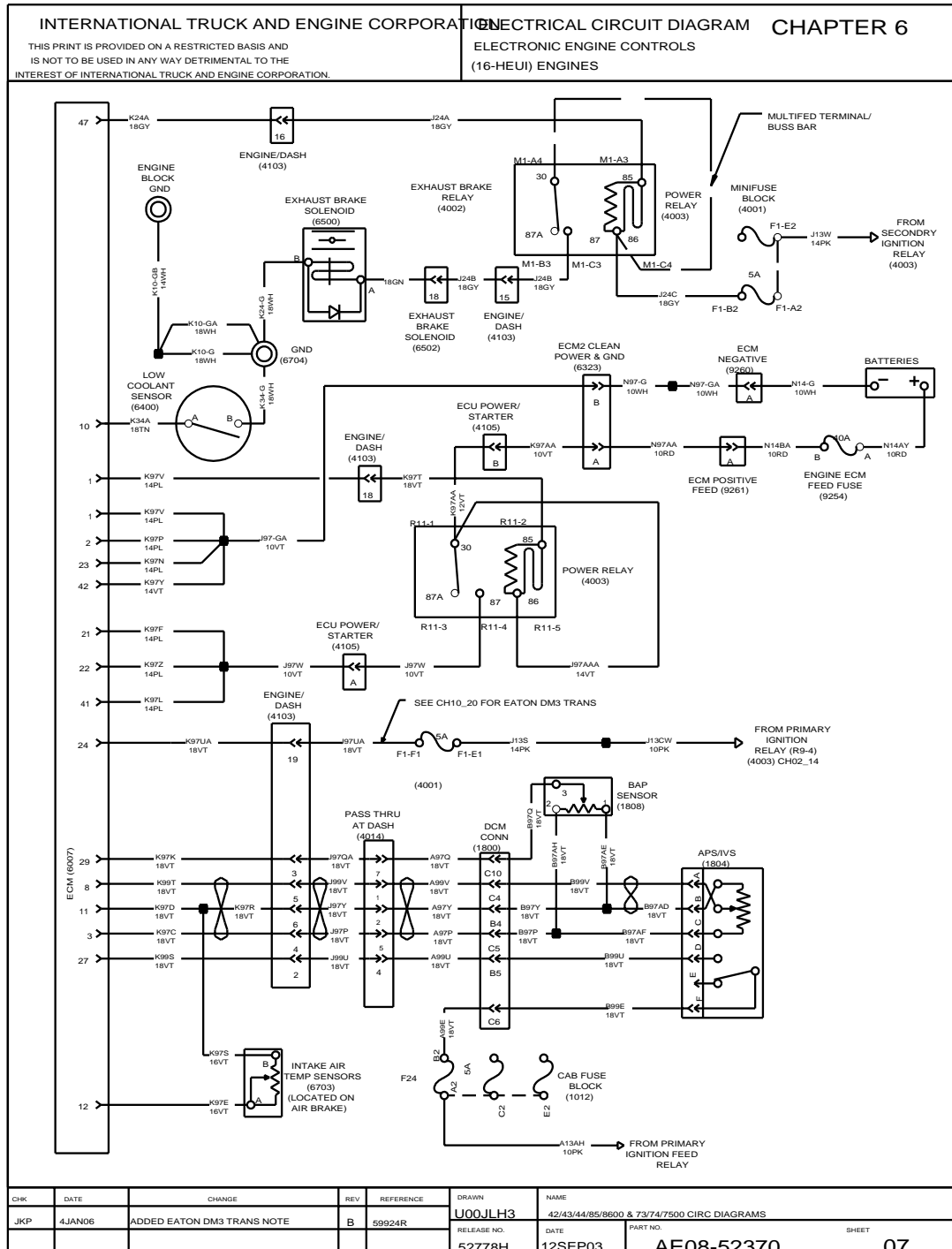


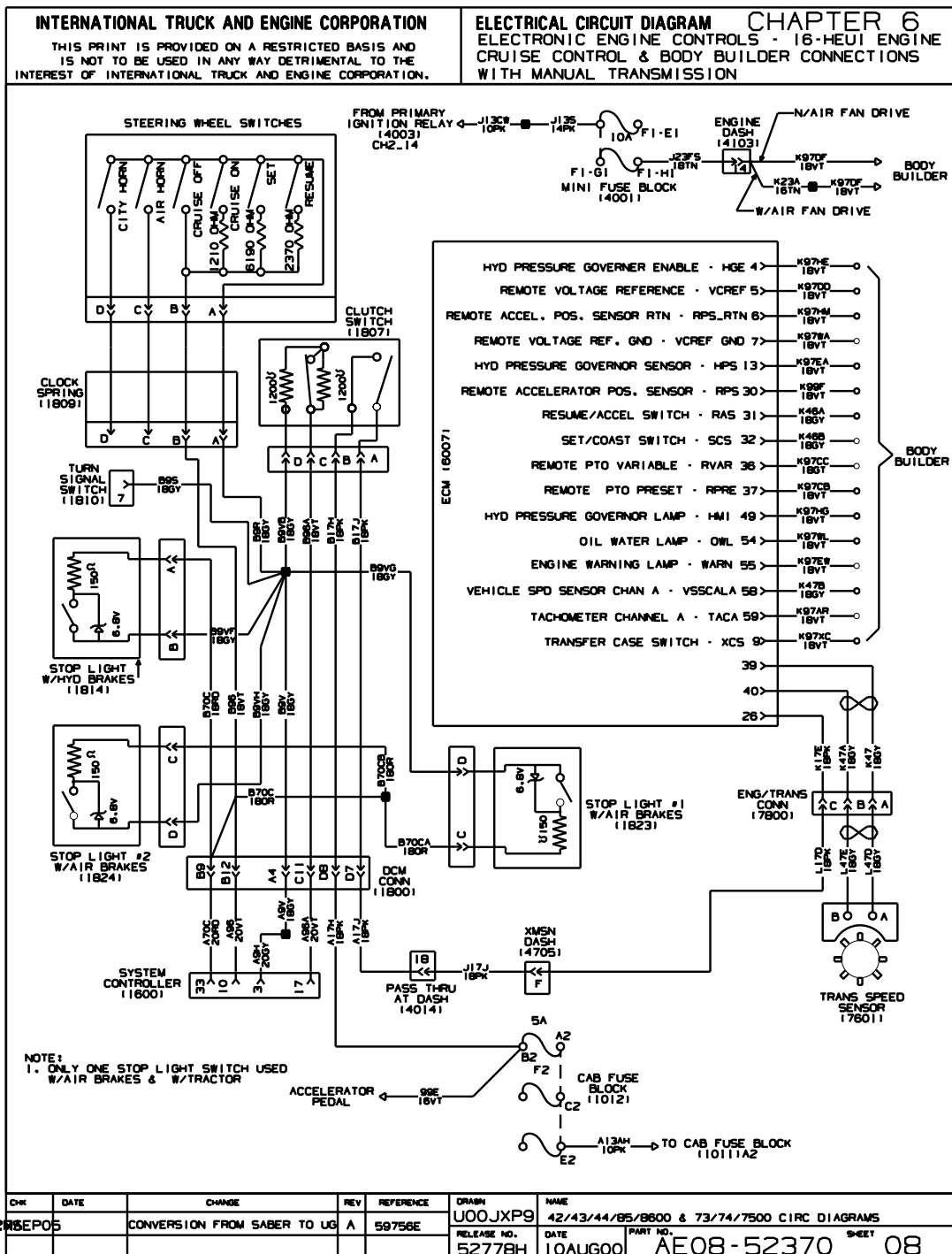
Figure 84 Cummins ISM Engine

## 6.7. I6 HEUI ENGINE, P. 7



### Figure 85 I6 HEUI Engine

## 6.8. I6 HEUI ENGINE CRUISE CONTROL AND BODY BUILDER CONNECTIONS WITH MANUAL TRANSMISSION, P. 8



**Figure 86 16 HEUI Engine Cruise Control and Body Builder Connections with Manual Transmission**

## 6.9. ROAD SPEED SIGNAL, P. 9

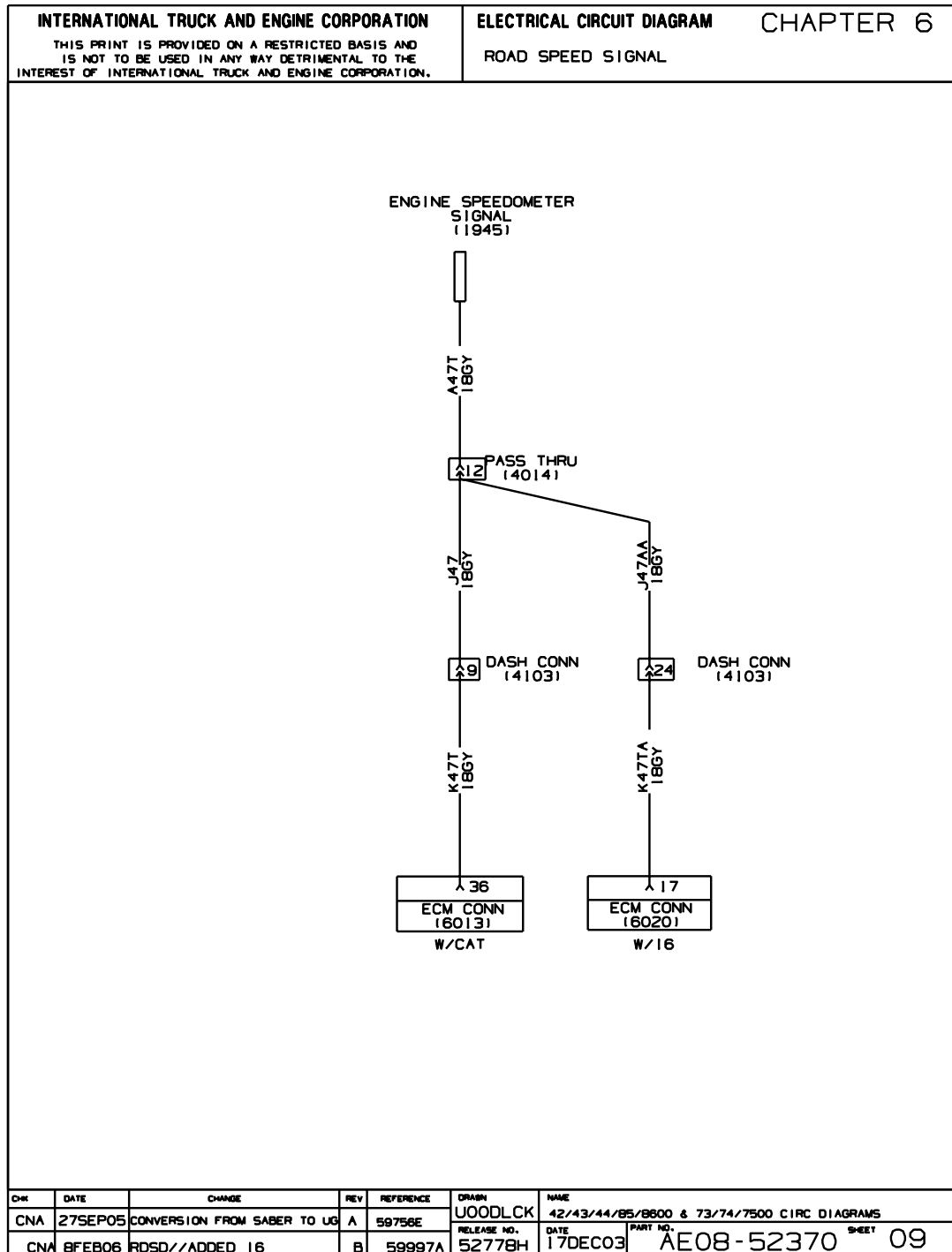


Figure 87 Road Speed Signal

## 6.10. MWM ENGINE — MULTIPLEXED MONITORING UNIT, P. 10

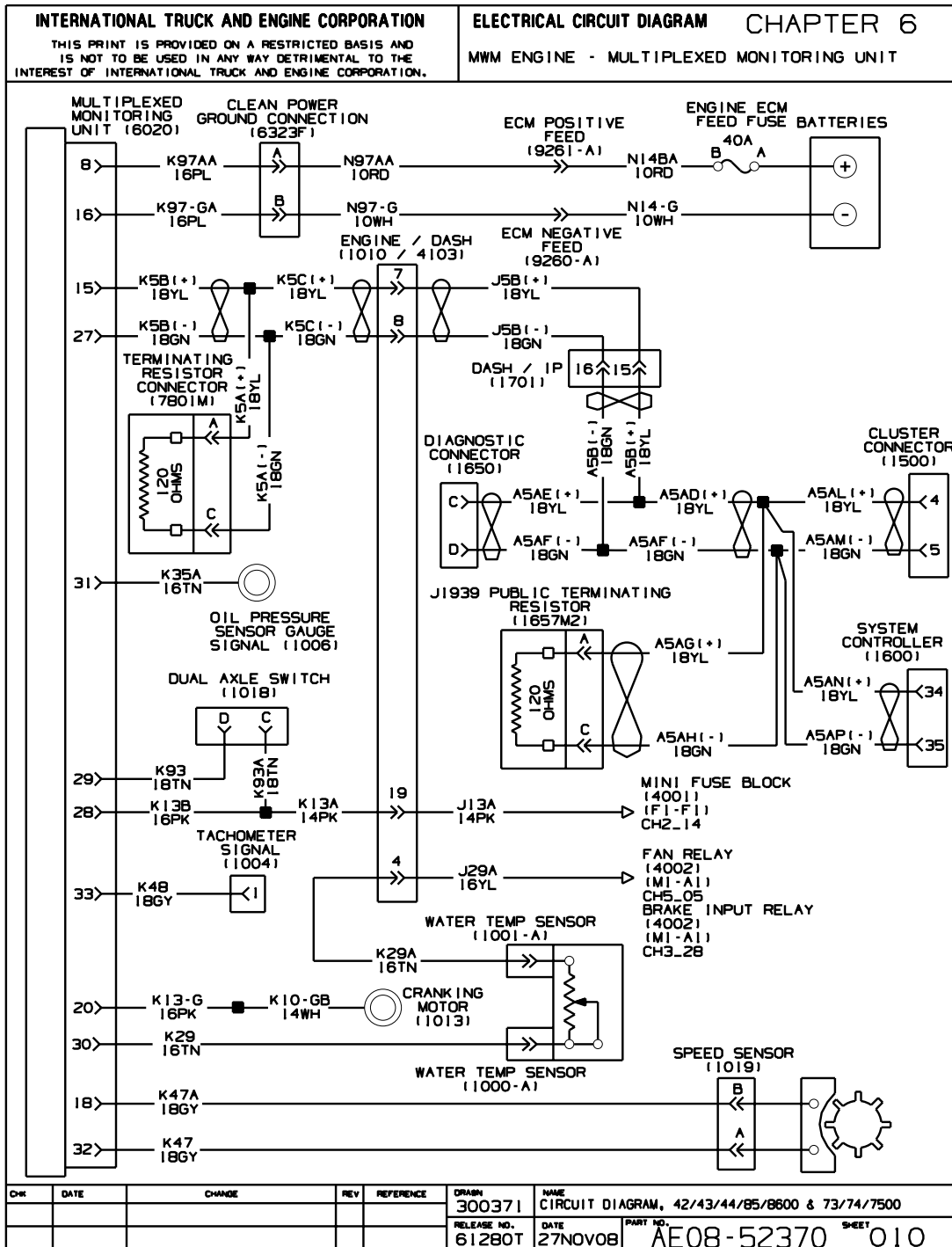


Figure 88 MWM Engine — Multiplexed Monitoring Unit

## 7. GAUGES WITH AND WITHOUT INTEGRAL WARNING LIGHT (CHAPTER 7)

### 7.1. IP/GAUGE LIST, P. 1

INTERNATIONAL TRUCK AND ENGINE CORPORATION

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ELECTRICAL CIRCUIT DIAGRAM
CHAPTER 7

IP/GAUGES

INSTRUMENT PANEL GAUGES

GAUGE	WARN LIGHT	SIGNAL PATH	SENSOR LOCATION
RPM (TACH)	NO	ENGINE CTRLR/DRIVE TRAIN J1939/CLUSTER	ENGINE
MPH/KPH (SPD)	NO	ENGINE CTRLR/DRIVE TRAIN J1939/CLUSTER	TRANSMISSION
FUEL	YES	SYSTEM CTRLR/DRIVE TRAIN J1939/CLUSTER	FUEL TANK
VOLT	YES	SYSTEM CTRLR/DRIVE TRAIN J1939/CLUSTER	-
AIR 1 (PRES)	YES	SYSTEM CTRLR/DRIVE TRAIN J1939/CLUSTER	INSIDE CAB-DASH PNL
AIR 2 (PRES)	YES	SYSTEM CTRLR/DRIVE TRAIN J1939/CLUSTER	STEERING COL AREA
WATER (TEMP)	YES	ENGINE CTRLR/DRIVE TRAIN J1939/CLUSTER	ENGINE
ENG OIL (TEMP)	YES	ENGINE CTRLR/DRIVE TRAIN J1939/CLUSTER	ENGINE
OIL (PRES)	YES	ENGINE CTRLR/DRIVE TRAIN J1939/CLUSTER	ENGINE
TRANS (TEMP)	YES	SYSTEM CTRLR/DRIVE TRAIN J1939/CLUSTER	TRANSMISSION
AIR APPLICATION	NO	SYSTEM CTRLR/DRIVE TRAIN J1939/CLUSTER	FWD CHASSIS
REAR AXLE TEMP	YES	SYSTEM CTRLR/DRIVE TRAIN J1939/CLUSTER	AXEL

NOTES:

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

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
20SEP05		CONVERSION FROM SABER TO UG	B	59756E	U00JXP9	42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS
					RELEASE NO.	DATE
					52778H	09AUG00
						PART NO.
						AE08-52371
						SHEET
						01

Figure 89 IP/Gauge List

## 7.2. WARNING LIGHT LIST, P. 2

INTERNATIONAL TRUCK AND ENGINE CORPORATION

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ELECTRICAL CIRCUIT DIAGRAM

WARNING LIGHTS LIST

CHAPTER 7

IP WARNING LIGHTS			
WARNING LIGHT TITLE	SIGNAL PATH	SENSOR LOCATION	
RANGE INHIBITED	TRANS CTRLR/DRIVE TRAIN J1939/CLUSTER		
FUEL FILTER	SYSTEM CTRLR/DRIVE TRAIN J1939/CLUSTER	FUEL FILTER	
ENGINE (YELLOW LED)	ENGINE CTRLR/DRIVE TRAIN J1939/CLUSTER		
ENGINE (RED LED)	ENGINE CTRLR/DRIVE TRAIN J1939/CLUSTER		
BRAKE PRESSURE ( )	SYSTEM CTRLR/DRIVE TRAIN J1939/CLUSTER	SWITCH	
BRAKE FLUID	SYSTEM CTRLR/DRIVE TRAIN J1939/CLUSTER	BRK RESEVOIR	
TRAC CTRL	TRUCK ABS CTRLR/DRIVE TRAIN J1939/CLUSTER		
CHECK TRANS	TRANS CTRLR/DRIVE TRAIN J1939/CLUSTER		
TRAILER ABS	TRLR ABS CTRLR/DRIVE TRAIN J1939/CLUSTER		
WASHER FLUID	SYSTEM CTRLR/DRIVE TRAIN J1939/CLUSTER	WASHER BOTTLE	
(LEFT TURN)	SYSTEM CTRLR/DRIVE TRAIN J1939/CLUSTER	TURN SIG SW	
AIR BAG	DISCRETE NOT ON DATA BUS		
WATER IN FUEL	SYSTEM CTRLR/DRIVE TRAIN J1939/CLUSTER	FUEL FILTER	
COOLANT LEVEL	ENGINE CTRLR/DRIVE TRAIN J1939/CLUSTER	SURGE TANK	
CHECK ELECT SYS	SYSTEM CTRLR/DRIVE TRAIN J1939/CLUSTER		
PARK ( )	SYSTEM CTRLR/DRIVE TRAIN J1939/CLUSTER	SWITCH	
CRUISE	SYSTEM CTRLR/DRIVE TRAIN J1939/CLUSTER		
ABS	TRUCK CTRLR/DRIVE TRAIN J1939/CLUSTER		
(RIGHT TURN)	SYSTEM CTRLR/DRIVE TRAIN J1939/CLUSTER		
WAIT TO START	ENGINE CTRLR/DRIVE TRAIN J1939/CLUSTER		
FASTEN BELTS	SYSTEM CTRLR/DRIVE TRAIN J1939/CLUSTER		
(HIGH BEAM IND)	SYSTEM CTRLR/DRIVE TRAIN J1939/CLUSTER		
COLD AMB PROTEC	SYSTEM CTRLR/DRIVE TRAIN J1939/CLUSTER		
RETARD OVERHEAT	TRANS CTRLR/DRIVE TRAIN J1939/CLUSTER	TRANSMISSION	
CHECK AC	SYSTEM CTRLR/DRIVE TRAIN J1939/CLUSTER		
AUTO NEUTRAL	DISCRETE NOT ON DATA BUS	SWITCH	
ALTERNATOR	DISCRETE NOT ON DATA BUS		
PTO/THROTTLE	SYSTEM CTRLR/DRIVE TRAIN J1939/CLUSTER		
OPTIMIZED IDLE	DISCRETE NOT ON DATA BUS		
SNOW VALVE	DISCRETE NOT ON DATA BUS	SNOW VALVE	
FR AXLE DIFF LOCK	DISCRETE NOT ON DATA BUS	FWD RR AXLE	
RR AXLE DIFF LOCK	DISCRETE NOT ON DATA BUS	RR RR AXLE	
MESSAGE WAIT	DISCRETE NOT ON DATA BUS		
PTO	DISCRETE NOT ON DATA BUS		
CONVERTER TEMP	DISCRETE NOT ON DATA BUS		
TOUCHLOC RELEASE	DISCRETE NOT ON DATA BUS		
PARK FLUID	SYSTEM CTRLR/DRIVE TRAIN		
FR AXLE ENGAGED	DISCRETE NOT ON DATA BUS	TRANSFER CASE	

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
CNA	29SEP03	ADDED FR AXLE ENGAGED.	B	58928U	U00JXP9	42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS
					RELEASE NO.	DATE
					P52778H	09AUG00
						PART NO.
						AE09-52371
						SHEET
						02

**Figure 90 Warning Light List**



**7.3. WARNING LIGHTS CONTROLLED BY ENGINE, TRANSMISSION, ABS  
CONTROLLER, P. 3**

<b>INTERNATIONAL TRUCK AND ENGINE CORPORATION</b> 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.	<b>ELECTRICAL CIRCUIT DIAGRAM</b> <b>CHAPTER 7</b> <b>WARNING LIGHTS CONTROLLED BY</b> <b>ENGINE, TRANSMISSION, ABS CONTROLLER</b>																												
<p style="text-align: center;">THE FOLLOWING WARNING LIGHTS ARE CONTROLLED BY THE ENGINE, TRANSMISSION, OR ABS CONTROLLER OVER THE DATA BUS AND DO NOT HAVE INDEPENDENT CIRCUITRY THAT CAN BE OR NEEDS TO BE SHOWN:</p> <p>DO NOT SHIFT          ENGINE (YELLOW LENS)          ENGINE (RED LENS)          TRAC CTRL          CHECK TRANS          TRAILER ABS          CHECK ELECTR SYS          ABS          WAIT TO START          RETARD OVERHEAT          AUTO NEUTRAL          OPTIMIZED IDLE</p>																													
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 10%;">CH</th> <th style="width: 15%;">DATE</th> <th style="width: 30%;">CHANGE</th> <th style="width: 10%;">REV</th> <th style="width: 15%;">REFERENCE</th> <th style="width: 15%;">DRAWN</th> <th style="width: 15%;">NAME</th> </tr> <tr> <td>2005EPO5</td> <td></td> <td>CONVERSION FROM SABER TO UG</td> <td>B</td> <td>59756E</td> <td>U00JXP9</td> <td>42/43/44/85/8600 &amp; 73/74/7500 CIRC DIAGRAMS</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td>RELEASE NO. 52778H</td> <td>DATE 20JUN00</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td>PART NO. AE08-52371</td> <td>SHEET 03</td> </tr> </table>		CH	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME	2005EPO5		CONVERSION FROM SABER TO UG	B	59756E	U00JXP9	42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS						RELEASE NO. 52778H	DATE 20JUN00						PART NO. AE08-52371	SHEET 03
CH	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME																							
2005EPO5		CONVERSION FROM SABER TO UG	B	59756E	U00JXP9	42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS																							
					RELEASE NO. 52778H	DATE 20JUN00																							
					PART NO. AE08-52371	SHEET 03																							

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

## 7.4. ENGINE OIL PRESSURE AND TEMP, SPEEDOMETER, TACH, VOLTMETER AND WATER TEMP GAUGE CIRCUITS, P. 4

INTERNATIONAL TRUCK AND ENGINE CORPORATION 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.				ELECTRICAL CIRCUIT DIAGRAM      CHAPTER 7  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-AVNT), FOR CIRCUIT DIAGRAMS SHOWING INPUT CIRCUITRY FOR THE FOLLOWING DATALINK DRIVEN SYSTEM:</p> <p>ENGINE OIL PRESSURE GAUGE</p> <p>ENGINE OIL TEMPERATURE GAUGE</p> <p>SPEEDOMETER GAUGE</p> <p>TACHOMETER GAUGE</p> <p>WATER TEMPERATURE GAUGE</p>							
CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME	
PEC	16JAN01	PRODUCTION RELEASE.	A	P54304U	U00JXP9	42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS	
					RELEASE NO.	DATE	PART NO.
					P52778H	20JUN00	AE08-52371
							SHEET 04

**Figure 92 Engine Oil Pressure and Temp, Speedometer, Tach, Voltmeter and Water Temp Gauge Circuits**

## 7.5. IP/GAUGES AND WARNING LIGHTS — GAUGE CLUSTER, P. 5

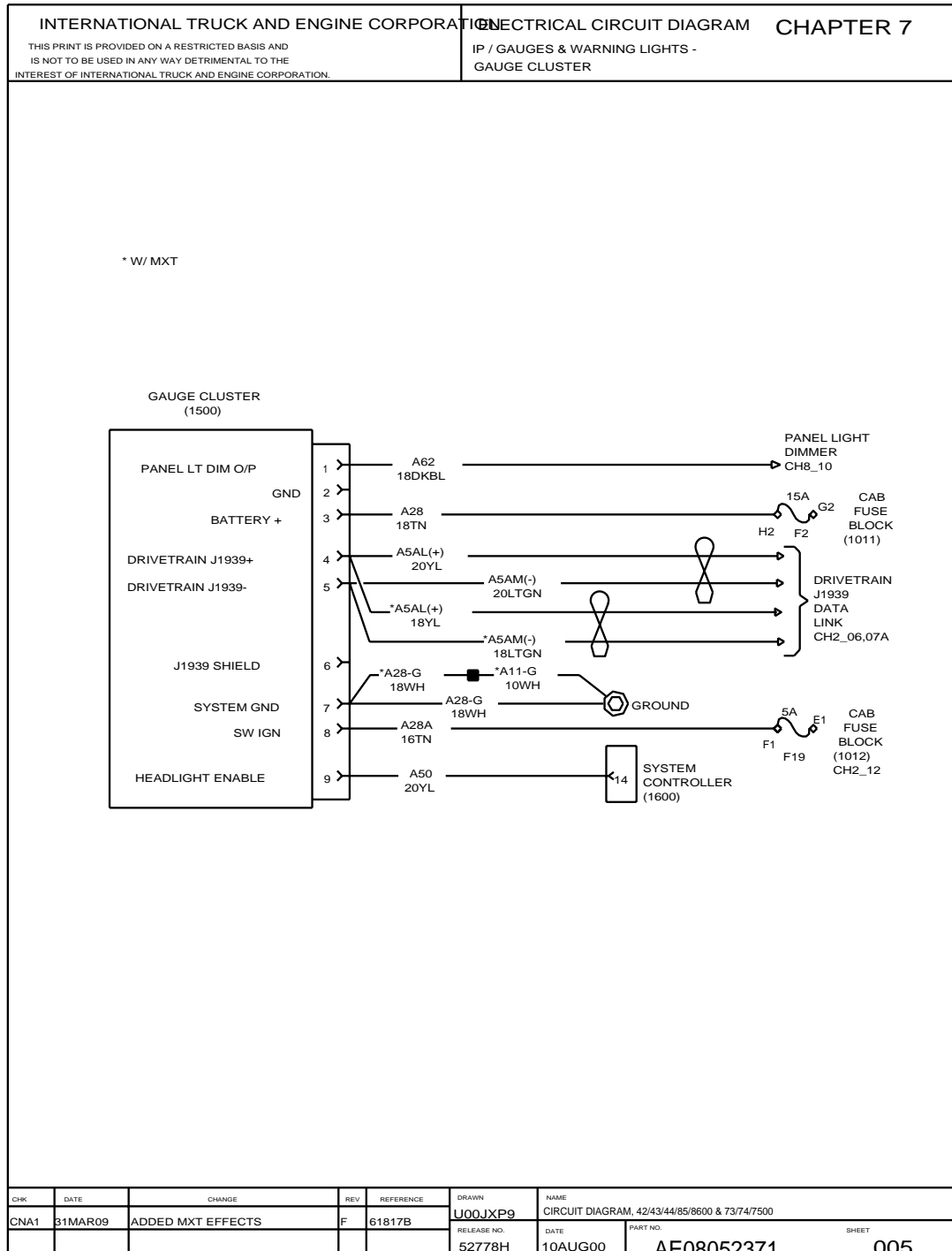
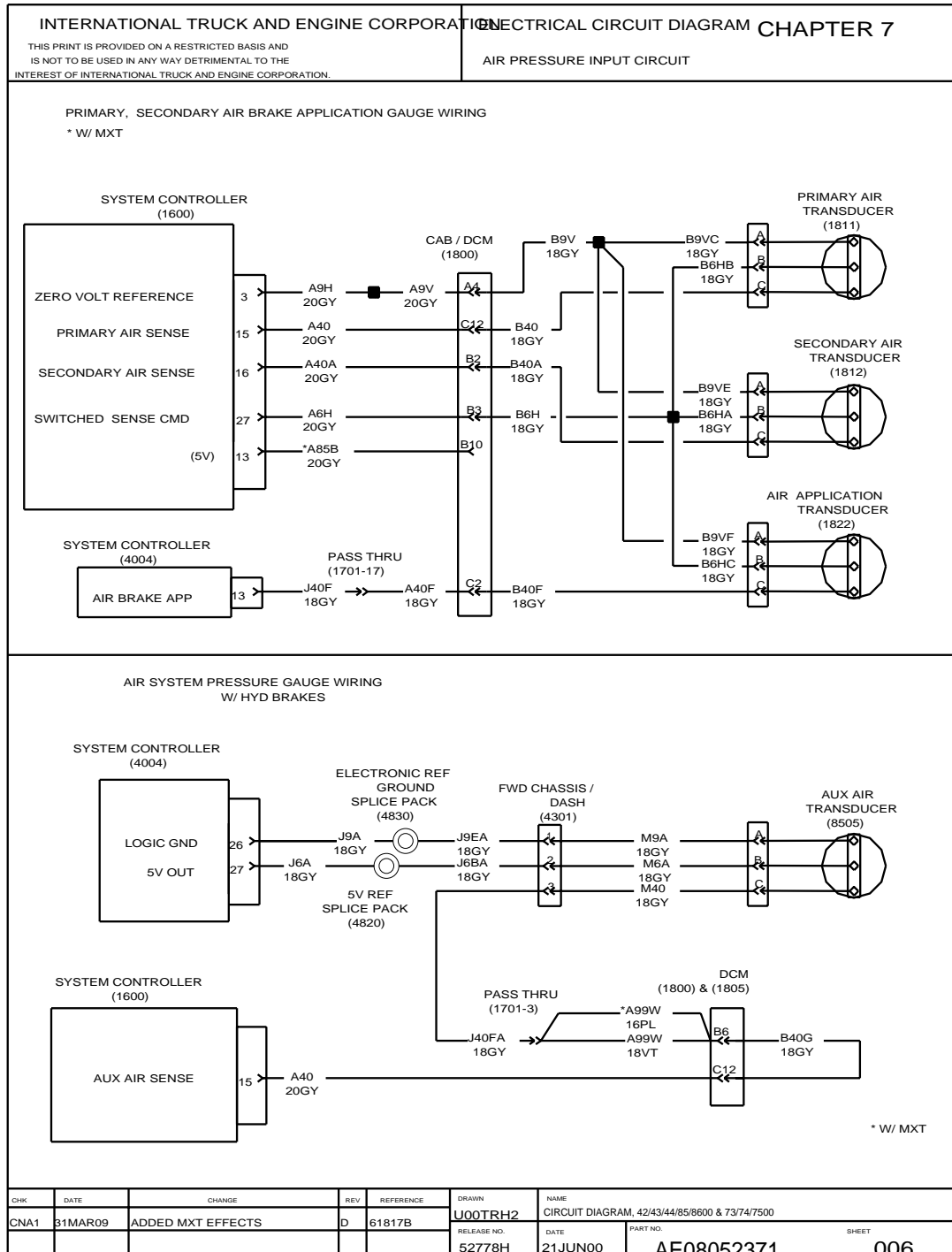


Figure 93 IP/Gauges and Warning Lights — Gauge Cluster

## 7.6. AIR PRESSURE INPUT CIRCUIT, P. 6



**Figure 94 Air Pressure Input Circuit**

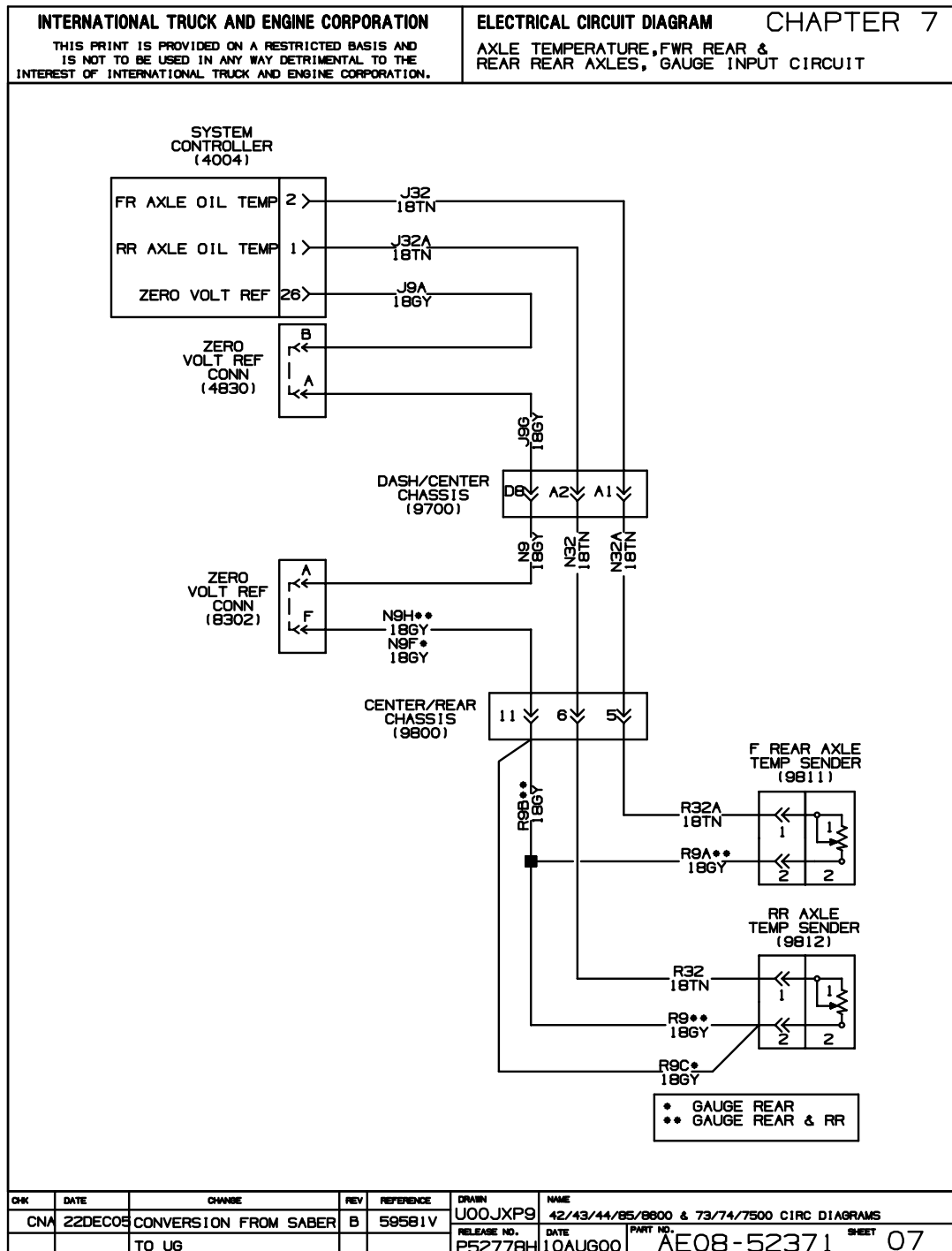
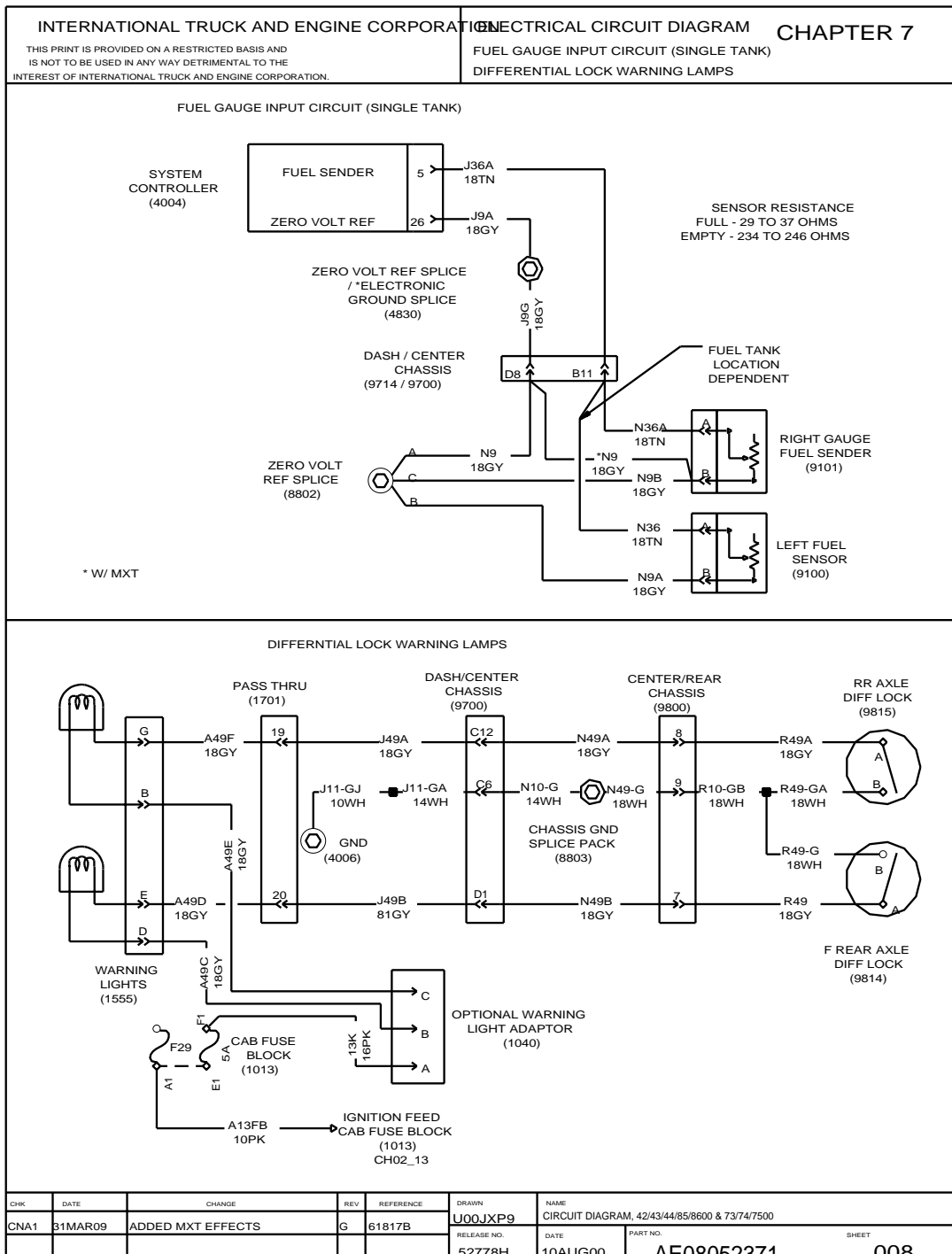
**7.7. AXLE TEMPERATURE, FWD REAR AND REAR AXLES, GAUGE INPUT CIRCUIT, P. 7**

Figure 95 Axle Temperature, FWD Rear and Rear Axles, Gauge Input Circuit

## 7.8. FUEL GAUGE INPUT CIRCUIT (SINGLE TANK) DIFFERENTIAL LOCK WARNING LAMPS, P. 8



### Figure 96 Fuel Gauge Input Circuit (Single Tank) Differential Lock Warning Lamps



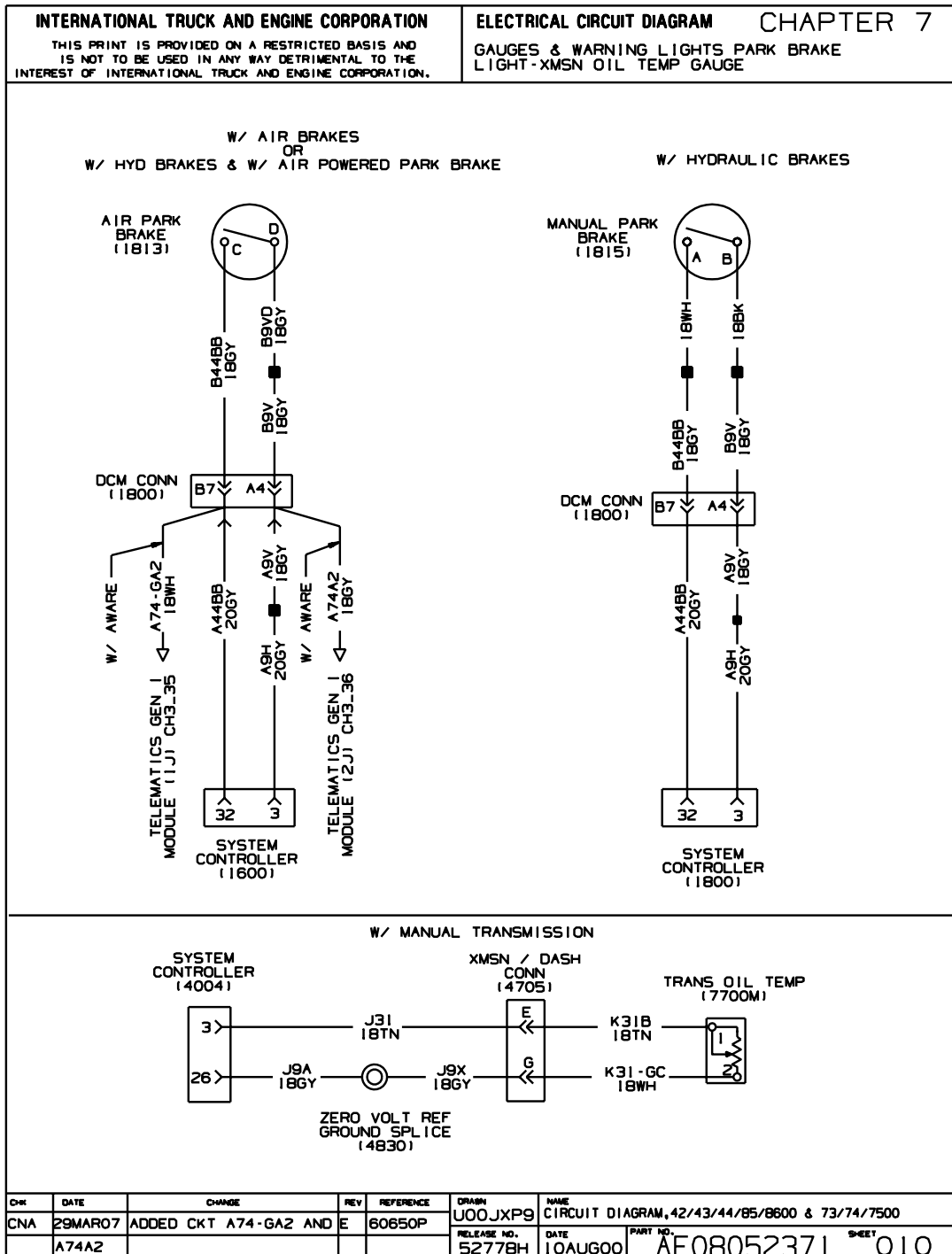
**7.10. GAUGES AND WARNING LIGHTS — PARK BRAKE LIGHT AND TRANSMISSION OIL TEMP. GAUGE, P. 10**

Figure 98 Gauges and Warning Lights — Park Brake Light and Transmission Oil Temp. Gauge



## 7.11. GAUGES AND WARNING LIGHTS — AMMETER, P. 11

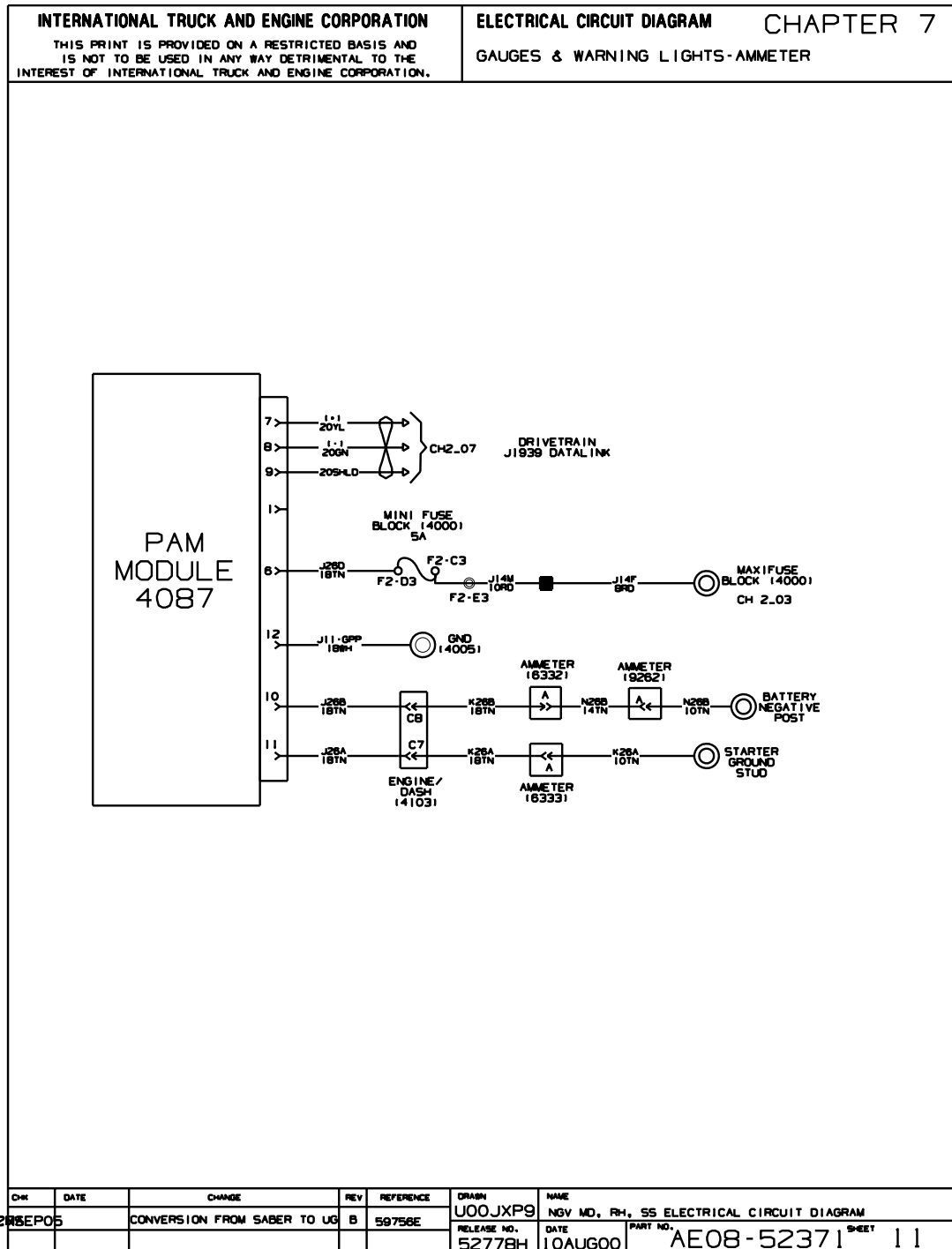


Figure 99 Gauges and Warning Lights — Ammeter

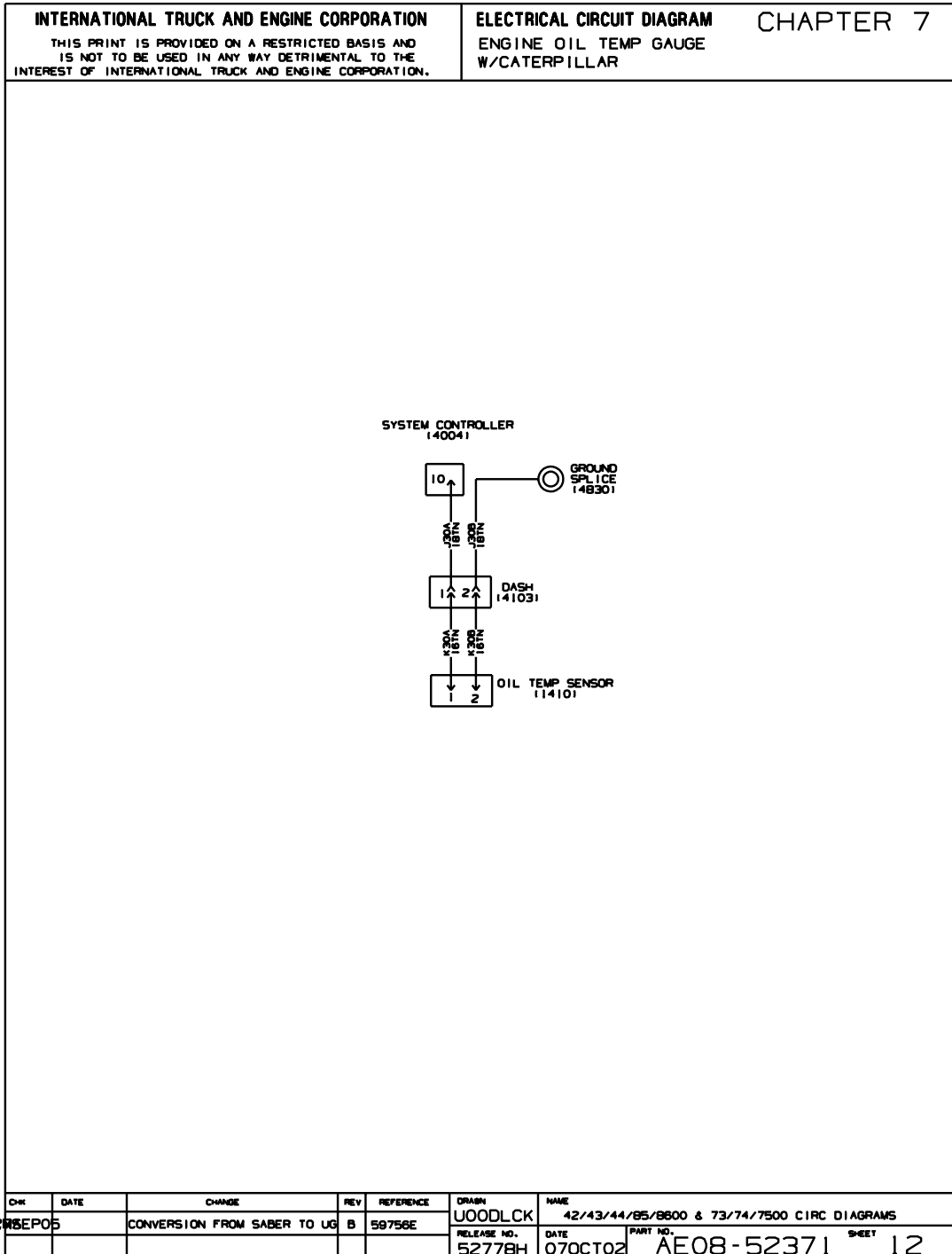
**7.12. ENGINE OIL TEMPERATURE GAUGE WITH CATERPILLAR, P. 12**

Figure 100 Engine Oil Temperature Gauge With Caterpillar

## 7.13. FRONT AXLE ENGAGEMENT WARNING LAMP, P. 13

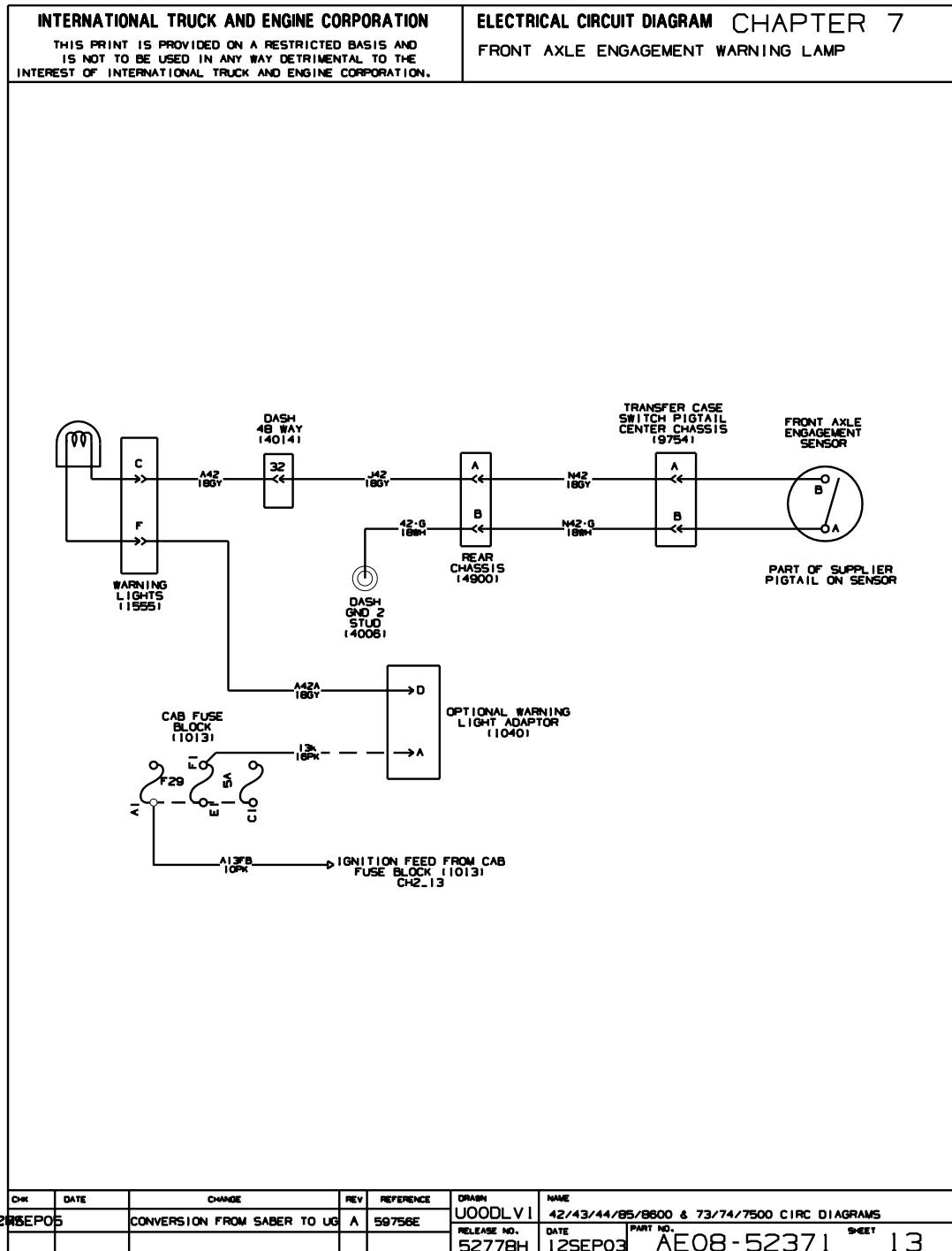


Figure 101 Front Axle Engagement Warning Lamp

## 8. LIGHTS (CHAPTER 8)

## 8.1. BACKUP LIGHTS, P. 1

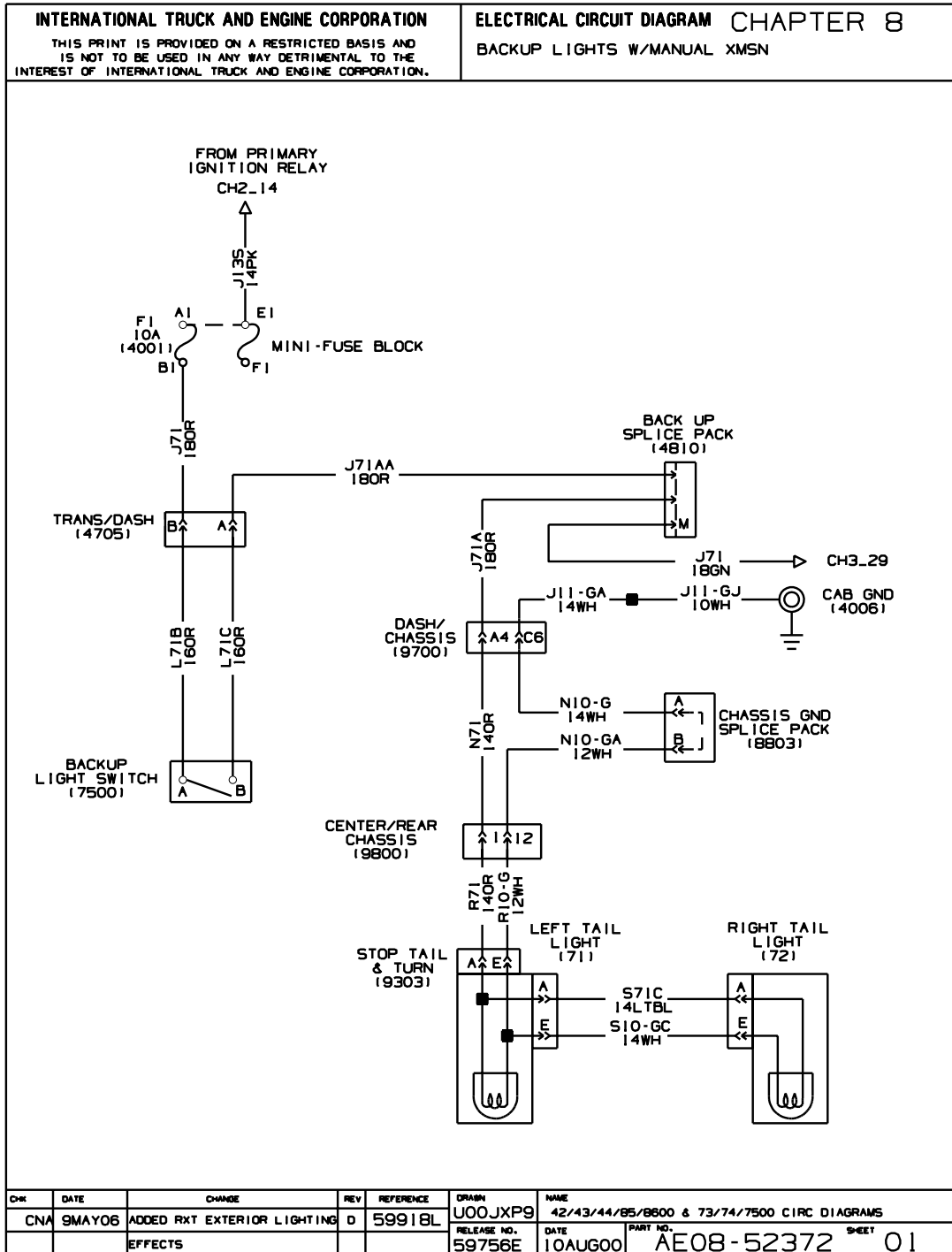
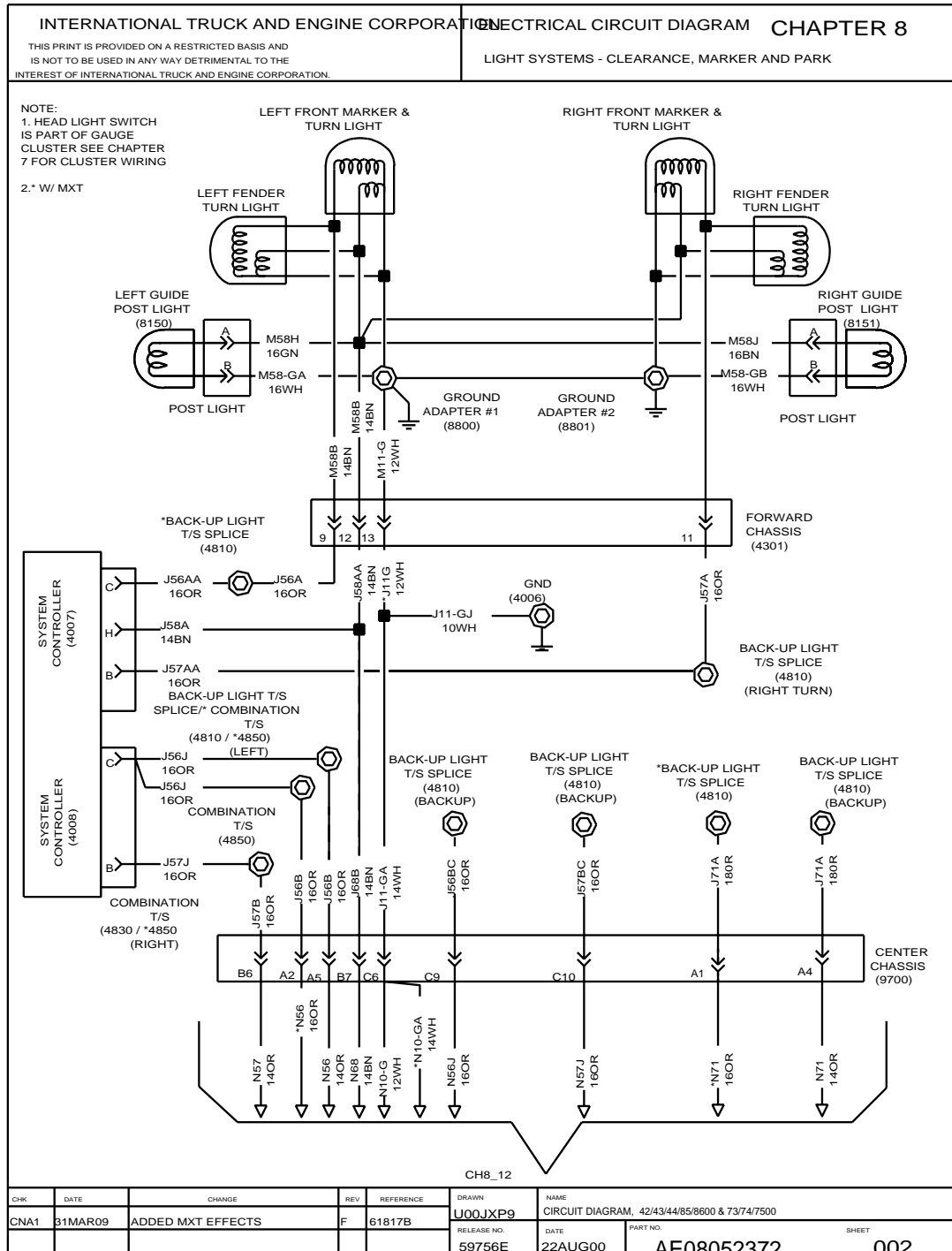


Figure 102 BackUp Lights

**3200, 4100, 4200, 4300, 4400, 7300, 7400, 7500, 7600, 7700, 8500, 8600, MXT, RXT**  
**Models Built Oct. 1, 2005 to Feb. 28, 2007 — ELECTRICAL CIRCUIT DIAGRAMS**

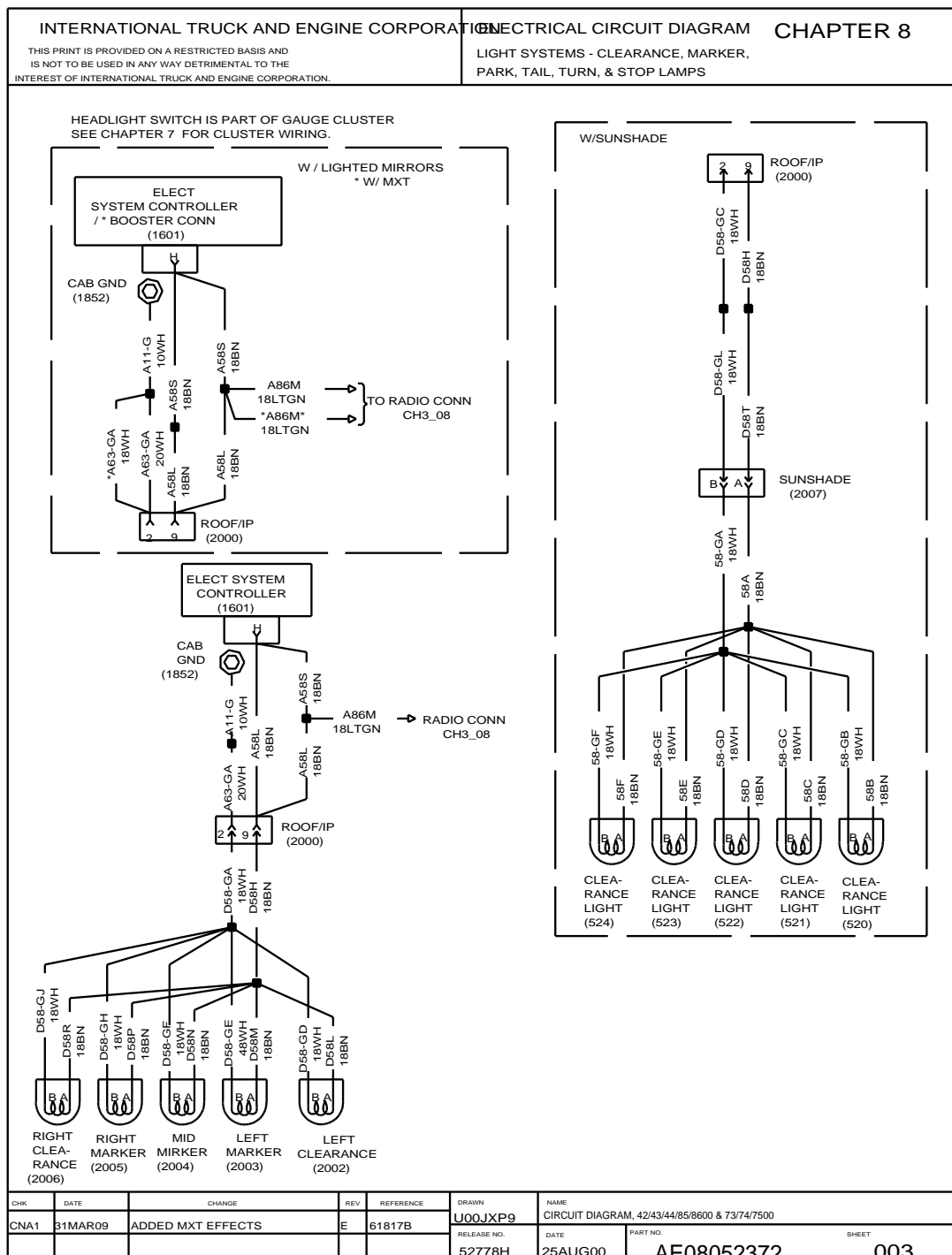
103

## 8.2. LIGHT SYSTEMS — CLEARANCE, MARKER, AND PARK, P. 2



**Figure 103 Light Systems — Clearance, Marker, and Park**

### 8.3. LIGHT SYSTEMS — CLEARANCE, MARKER, PARK, TAIL, TURN AND STOP LAMPS, P. 3



**Figure 104 Light Systems — Clearance, Marker, Park, Tail, Turn and Stop Lamps**

## 8.4. LIGHT SYSTEMS — TURN SIGNAL AND STOP SWITCHES, P. 4

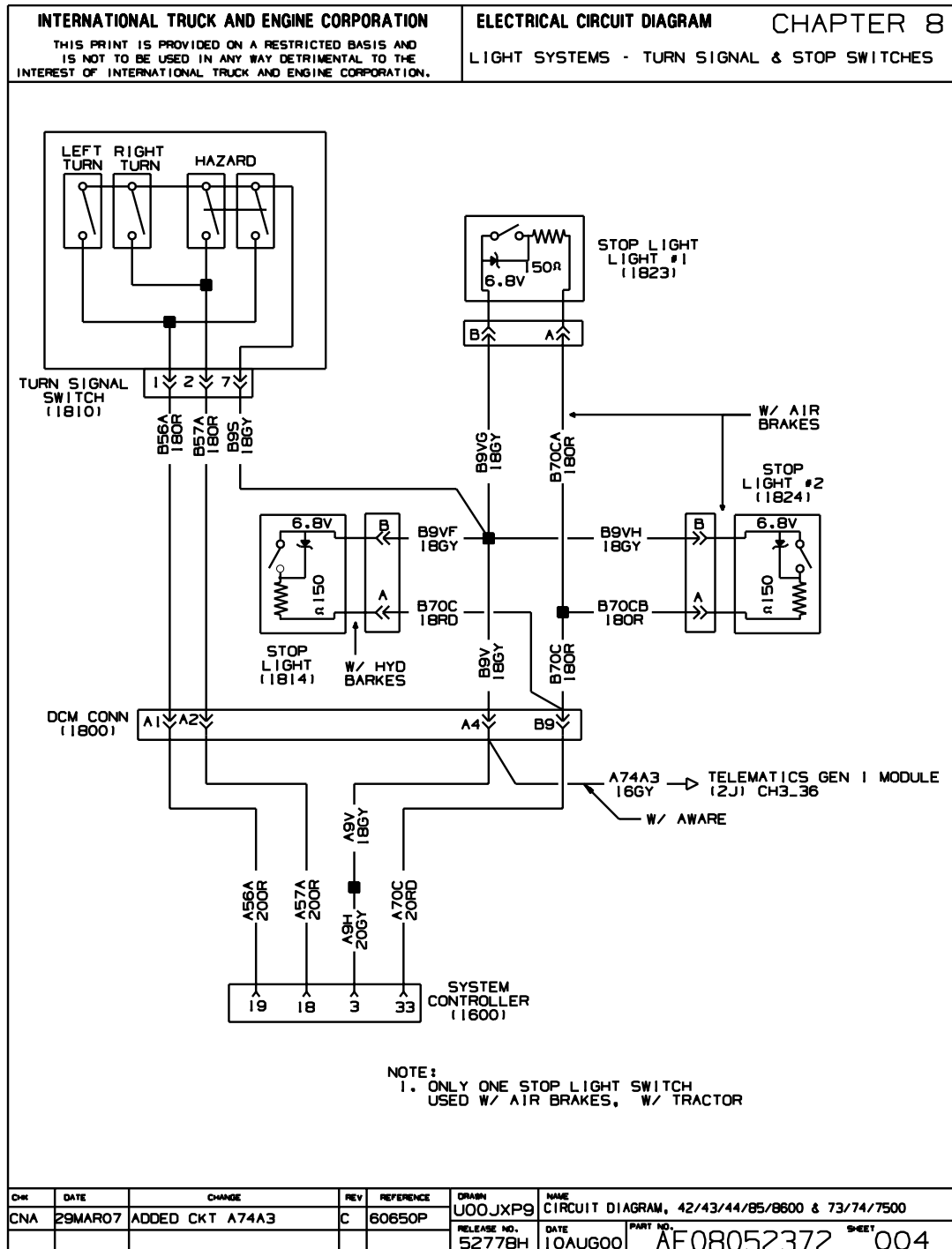
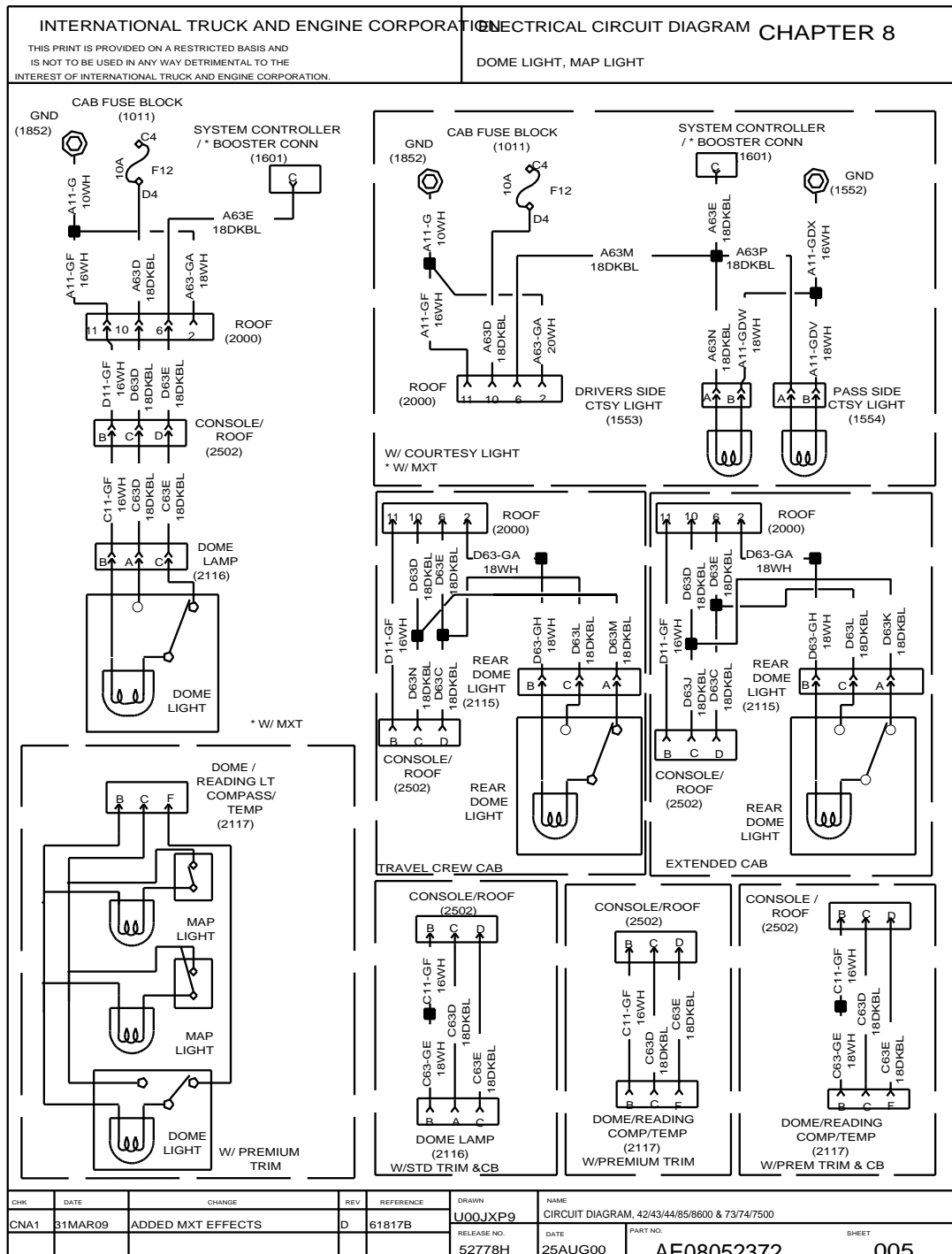


Figure 105 Light Systems — Turn Signal and Stop Switches

## 8.5. DOME LIGHT, MAP LIGHT, P. 5



### Figure 106 Dome Light, Map Light



## 8.6. DOME LIGHT, MAP LIGHT (CONT.), P. 6

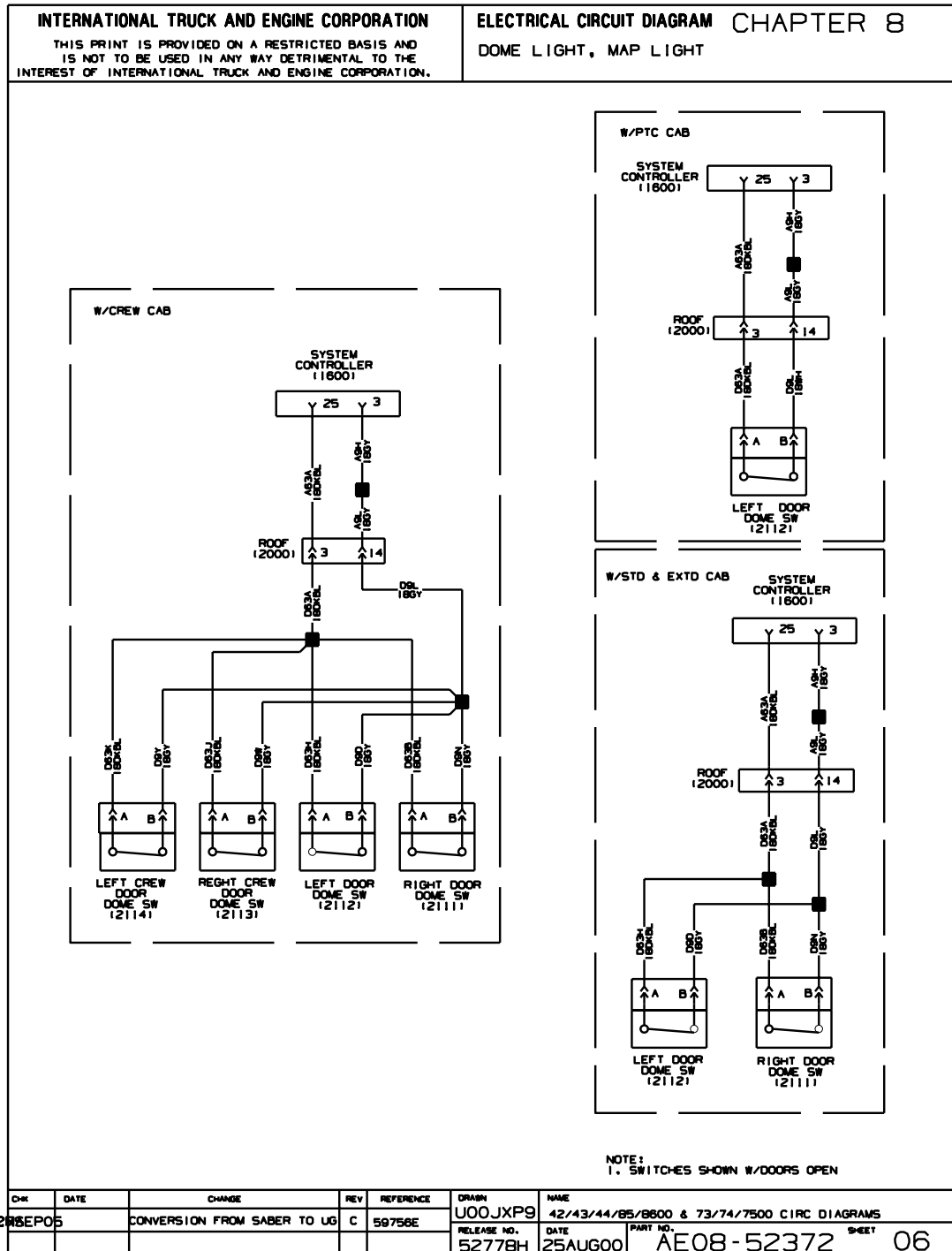


Figure 107 Dome Light, Map Light (Cont.)

## 8.7. FOG LIGHT AND WORK LIGHT, P. 7

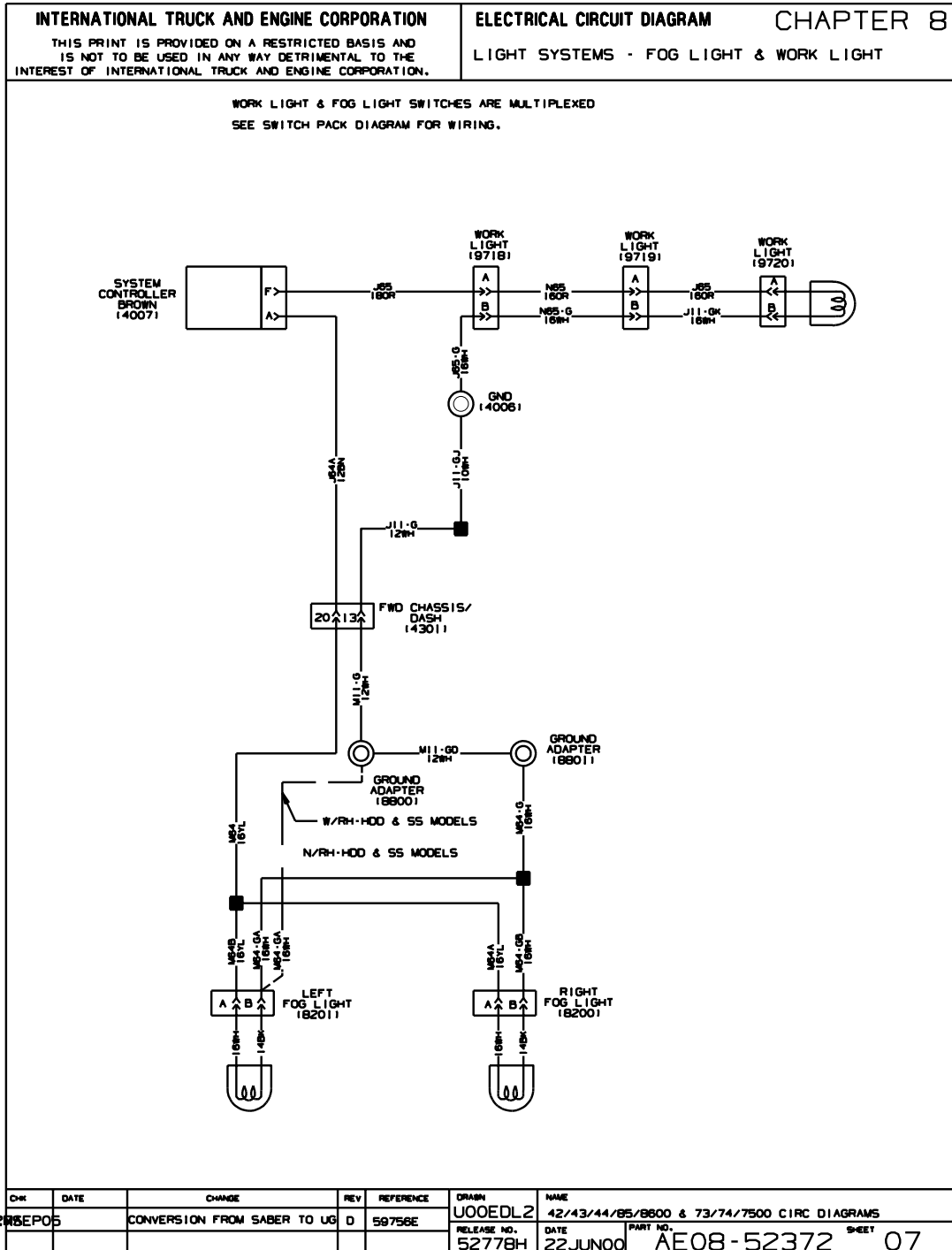
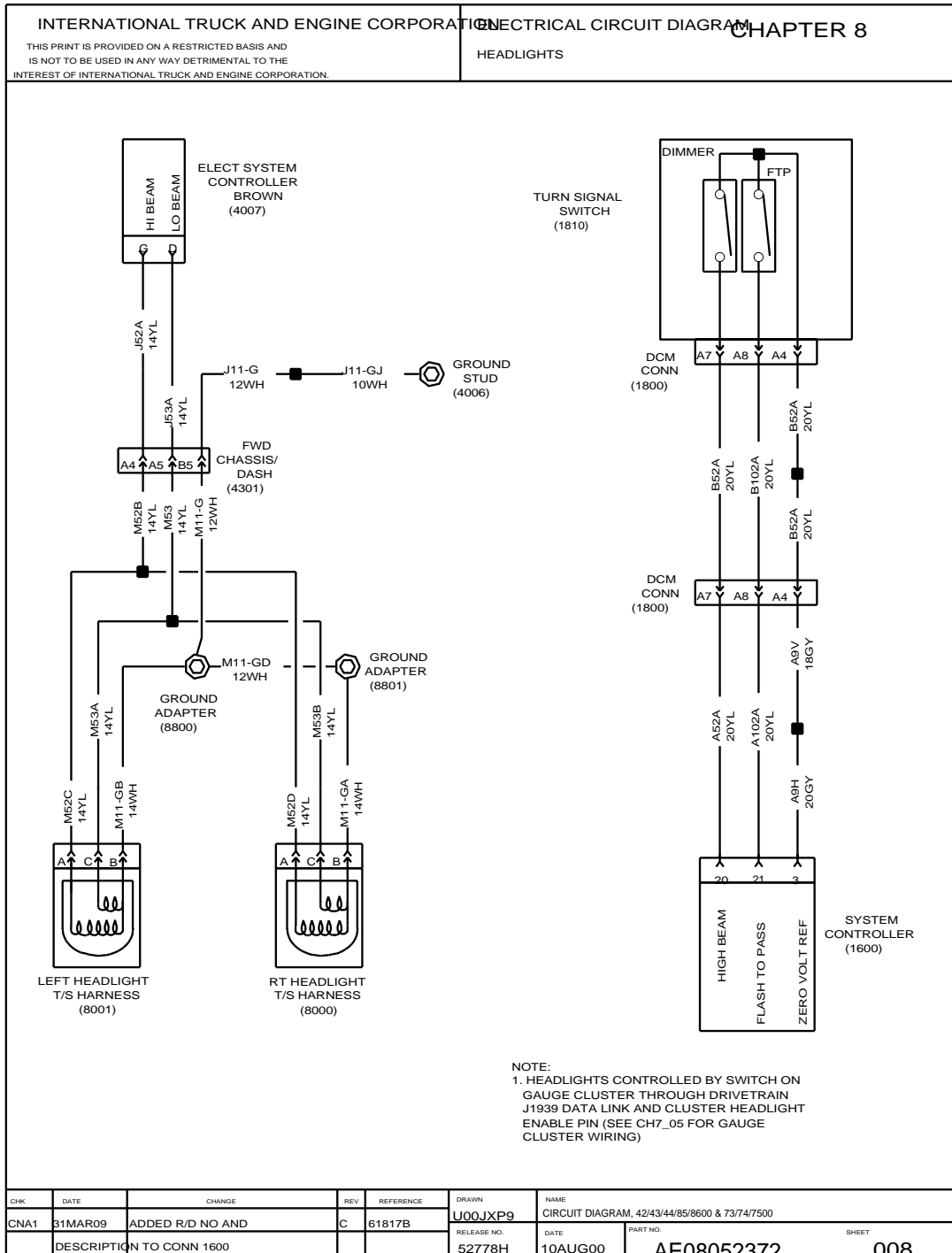


Figure 108 Fog Light and Work Light

## 8.8. HEADLIGHTS, P. 8



### Figure 109 Headlights

## 8.9. AUX. HEADLIGHTS, AUX. PARK, AUX TURN, P. 9

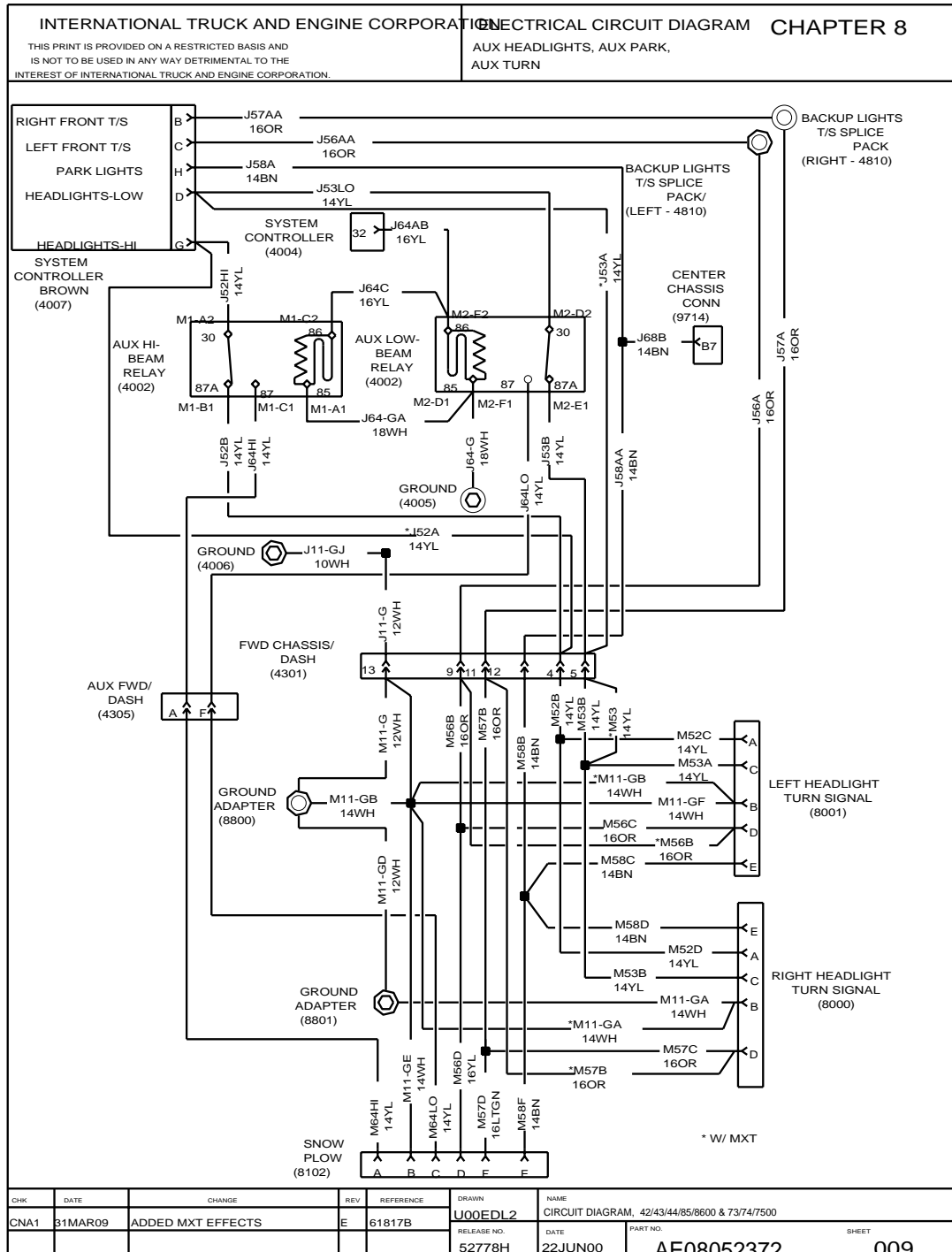


Figure 110 Aux. Headlights, Aux. Park, Aux Turn

3200, 4100, 4200, 4300, 4400, 7300, 7400, 7500, 7600, 7700, 8500, 8600, MXT, RXT  
Models Built Oct. 1, 2005 to Feb. 28, 2007 — ELECTRICAL CIRCUIT DIAGRAMS

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## 8.10. PANEL LIGHTS, P. 10

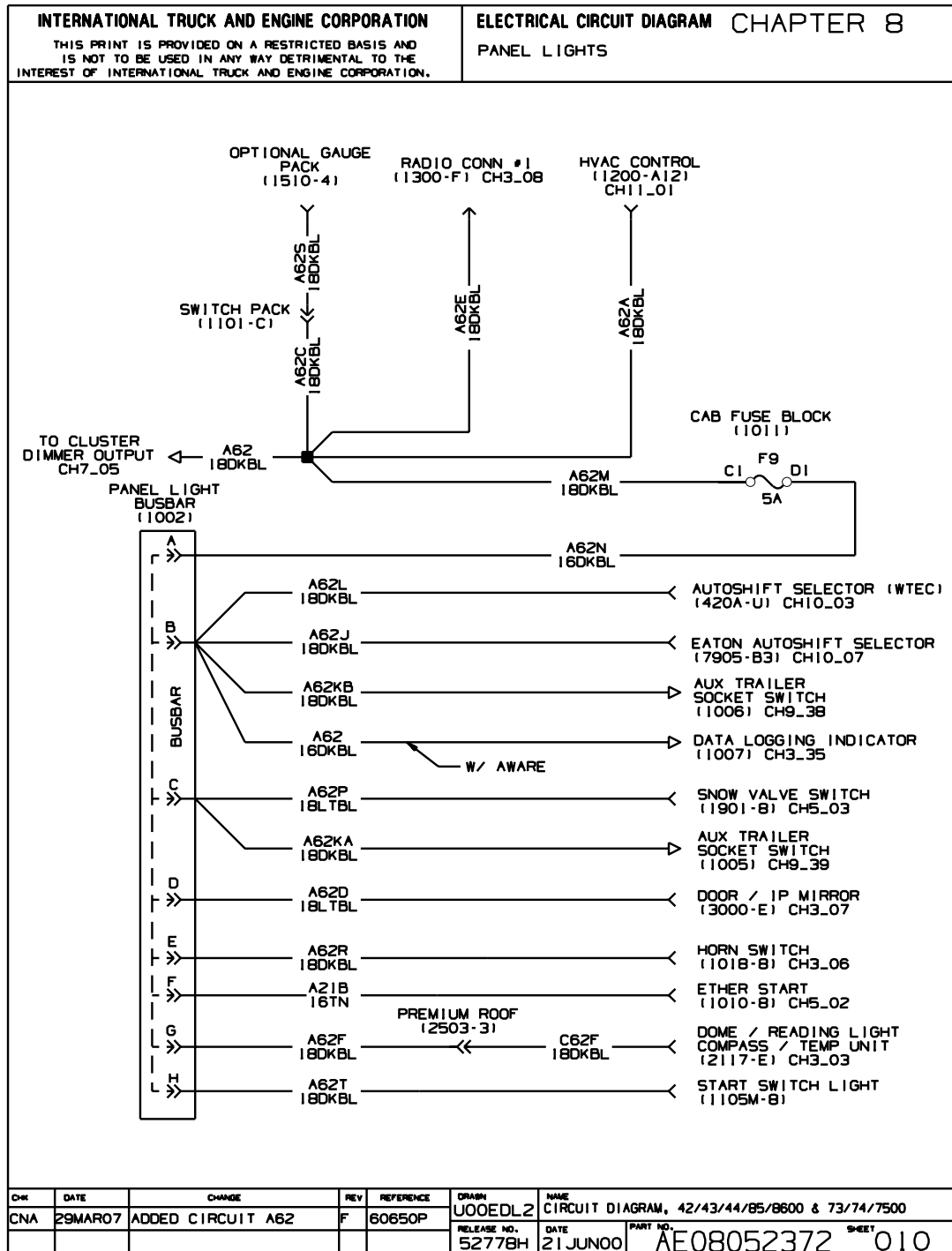
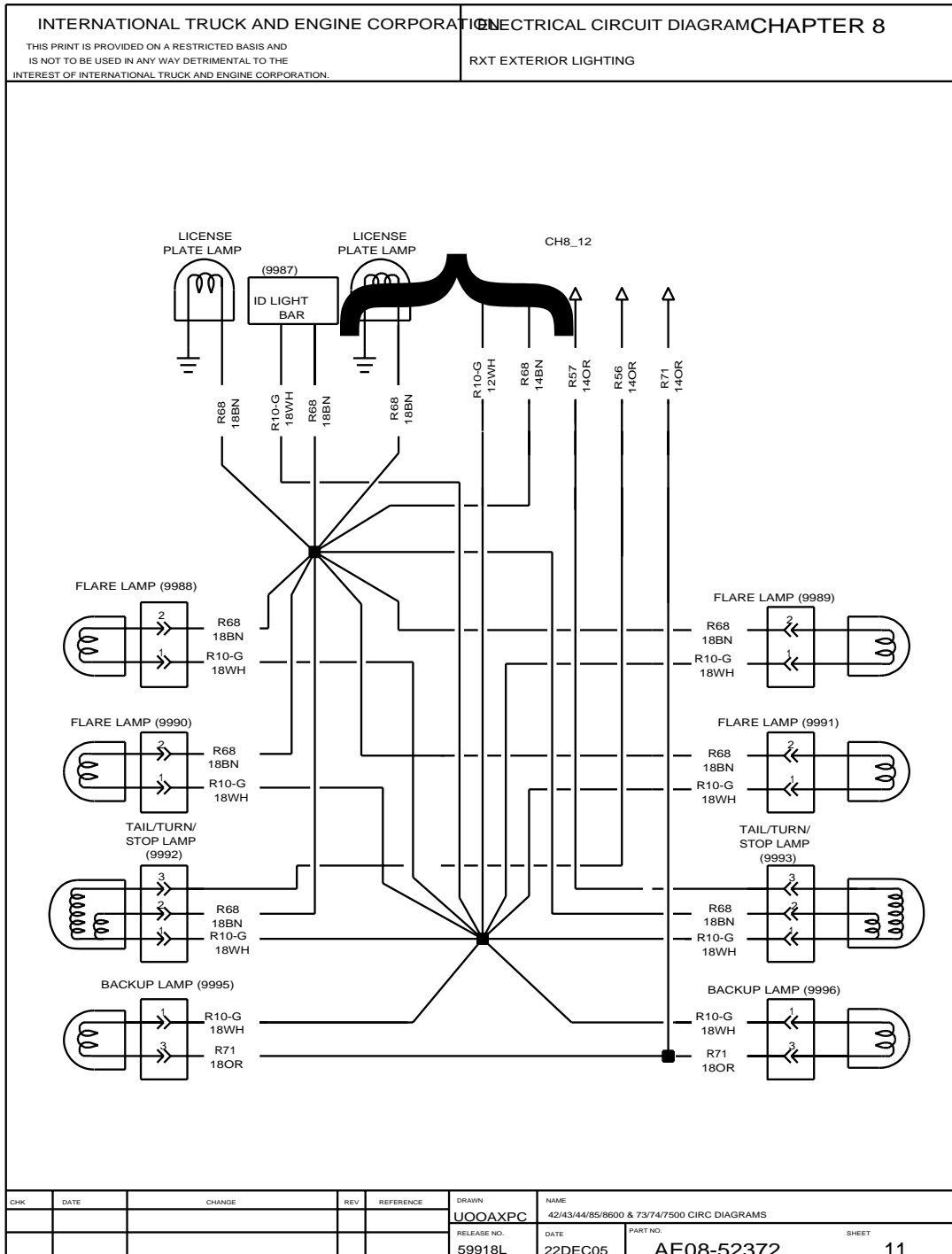


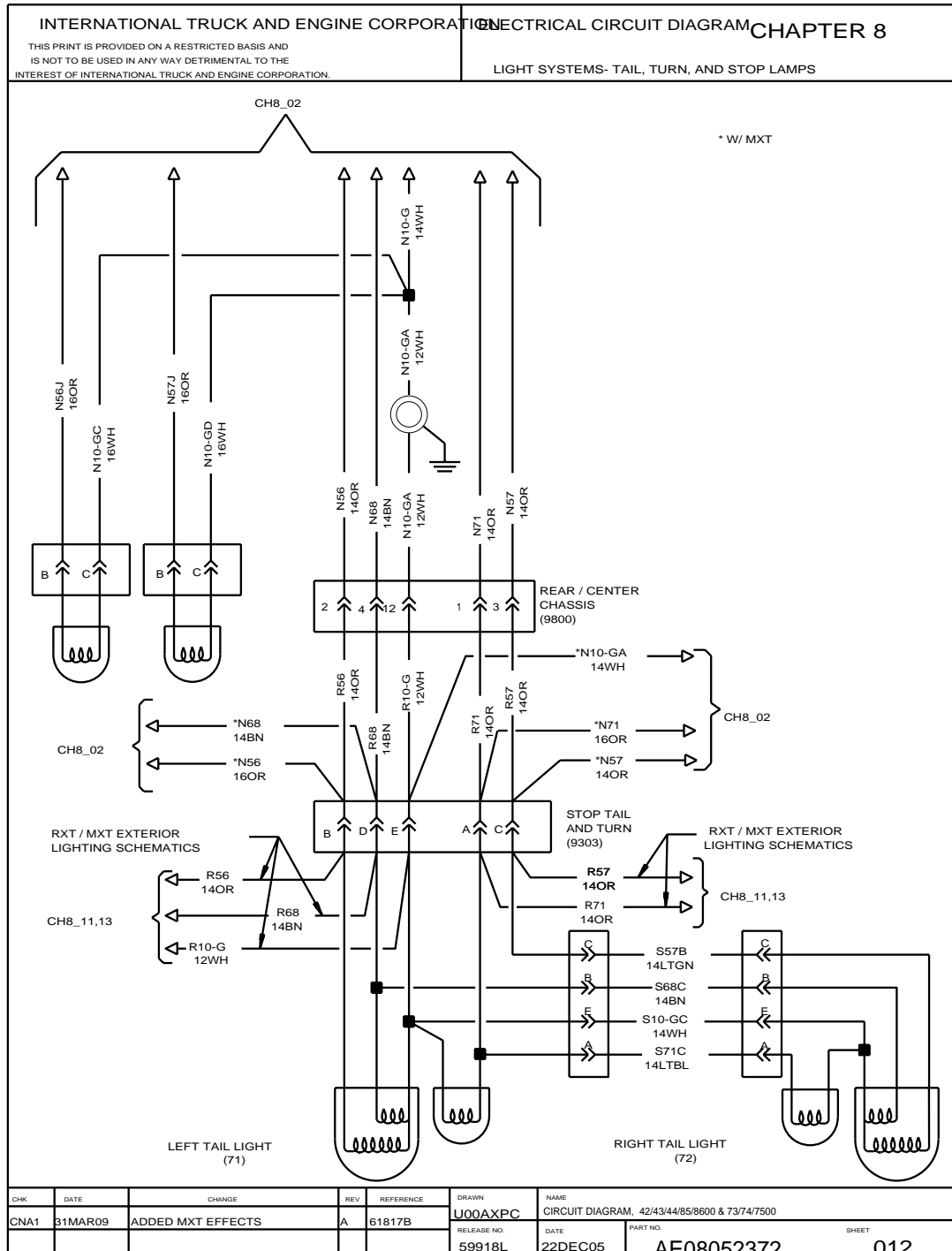
Figure 111 Panel Lights

## 8.11. RXT EXTERIOR LIGHTING, P. 11



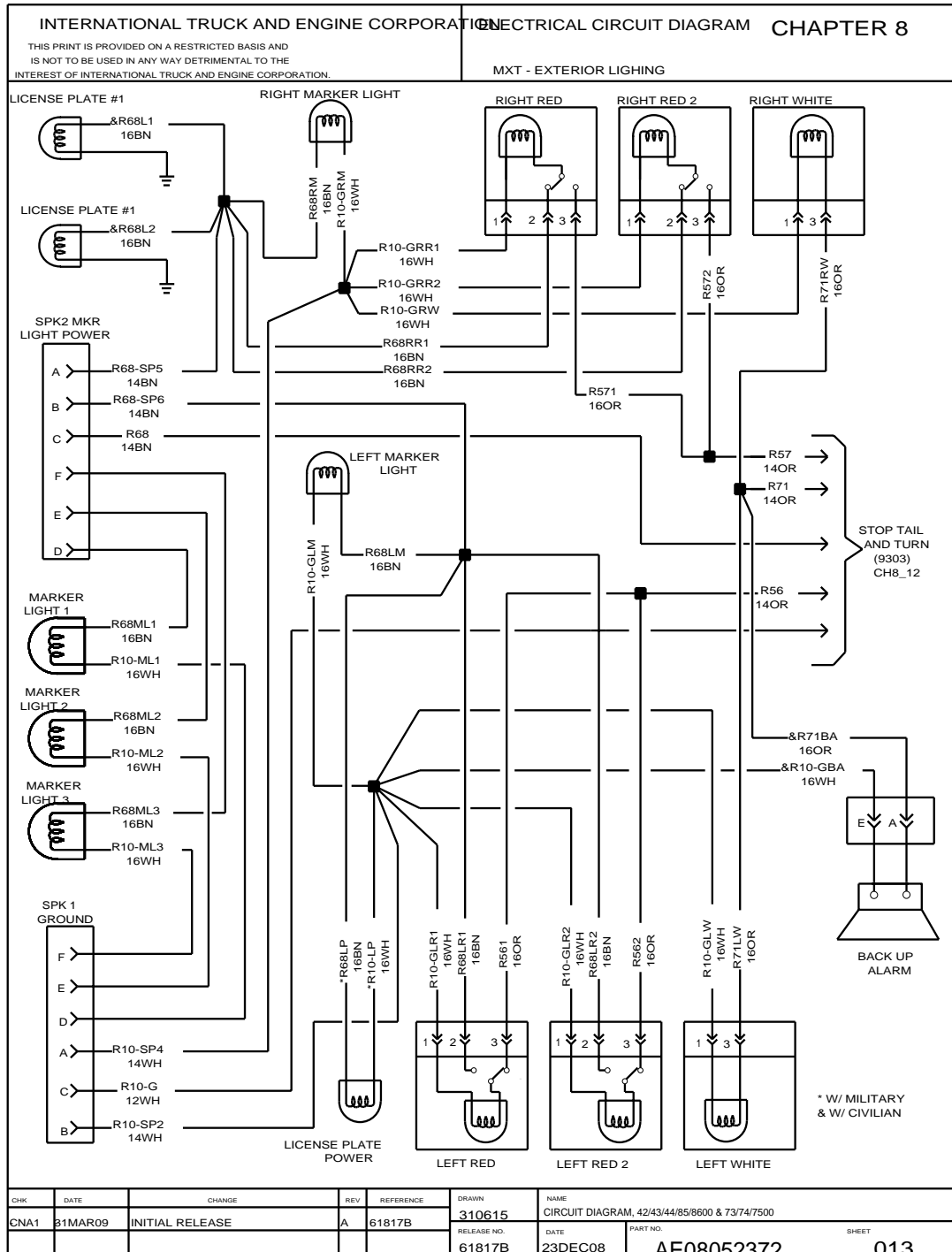
**Figure 112 RXT Exterior Lighting**

## 8.12. TAIL, TURN, AND STOP LAMPS, P. 12



### Figure 113 Tail, Turn, and Stop Lamps

### 8.13. MXT — EXTERIOR LIGHTING, P. 13



**Figure 114 MXT — Exterior Lighting**



## 9. CHASSIS ACCESSORIES (CHAPTER 9)

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

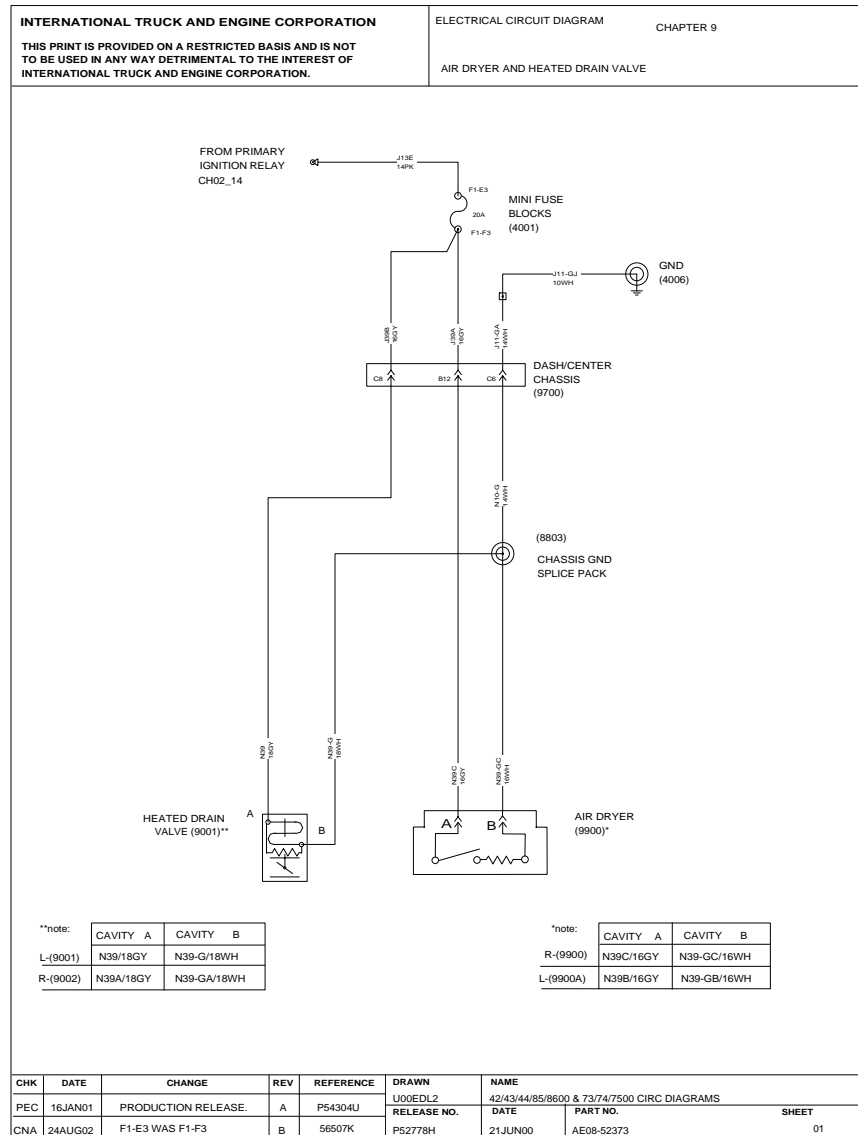


Figure 115 Air Dryer and Heated Drain Valve

## 9.2. ANTILOCK BRAKE SYSTEM (ABS), AIR, P. 2

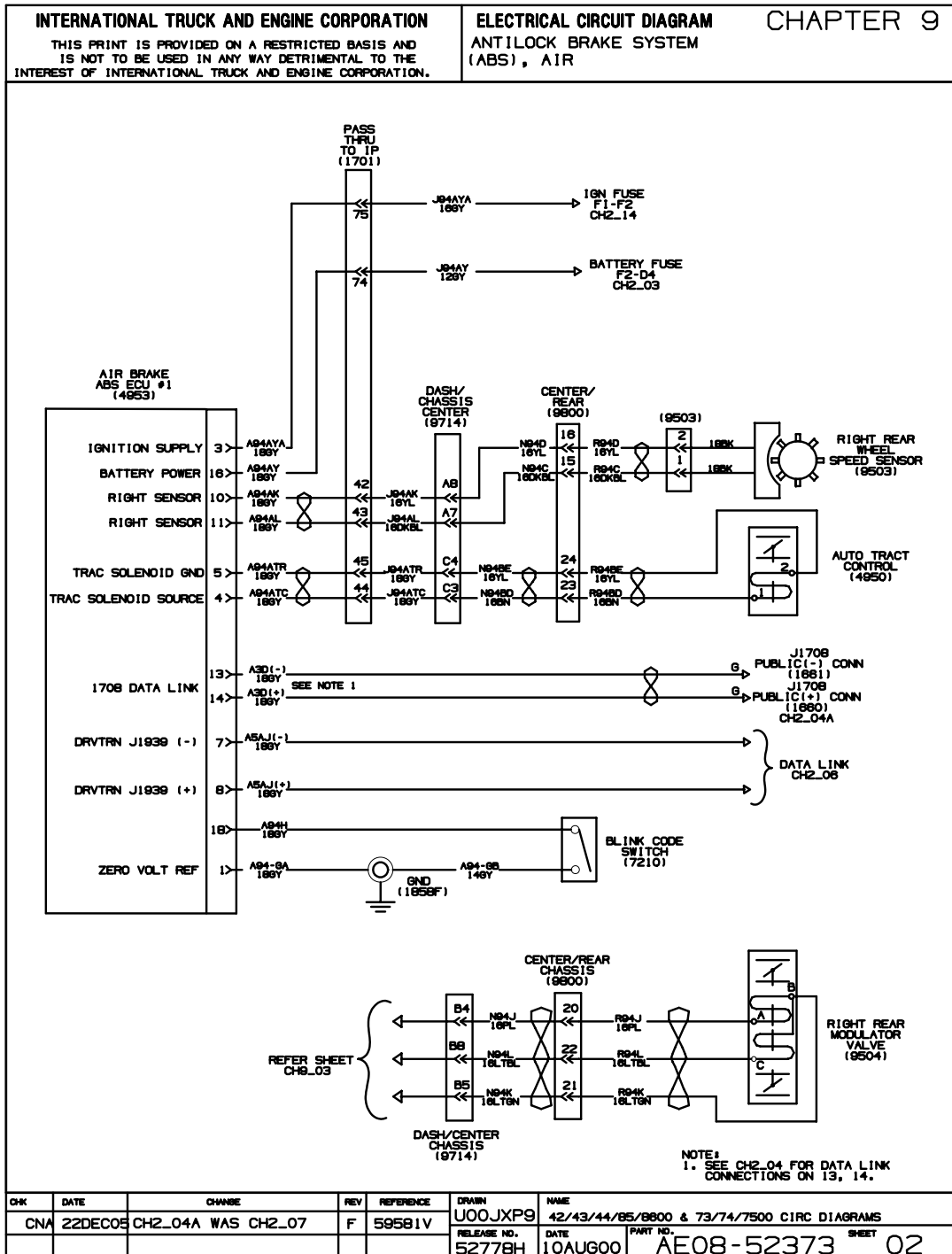


Figure 116 Antilock Brake System (ABS), Air

## 9.3. ANTILOCK BRAKE SYSTEM (ABS), AIR, TRACTION CONTROL, P. 3

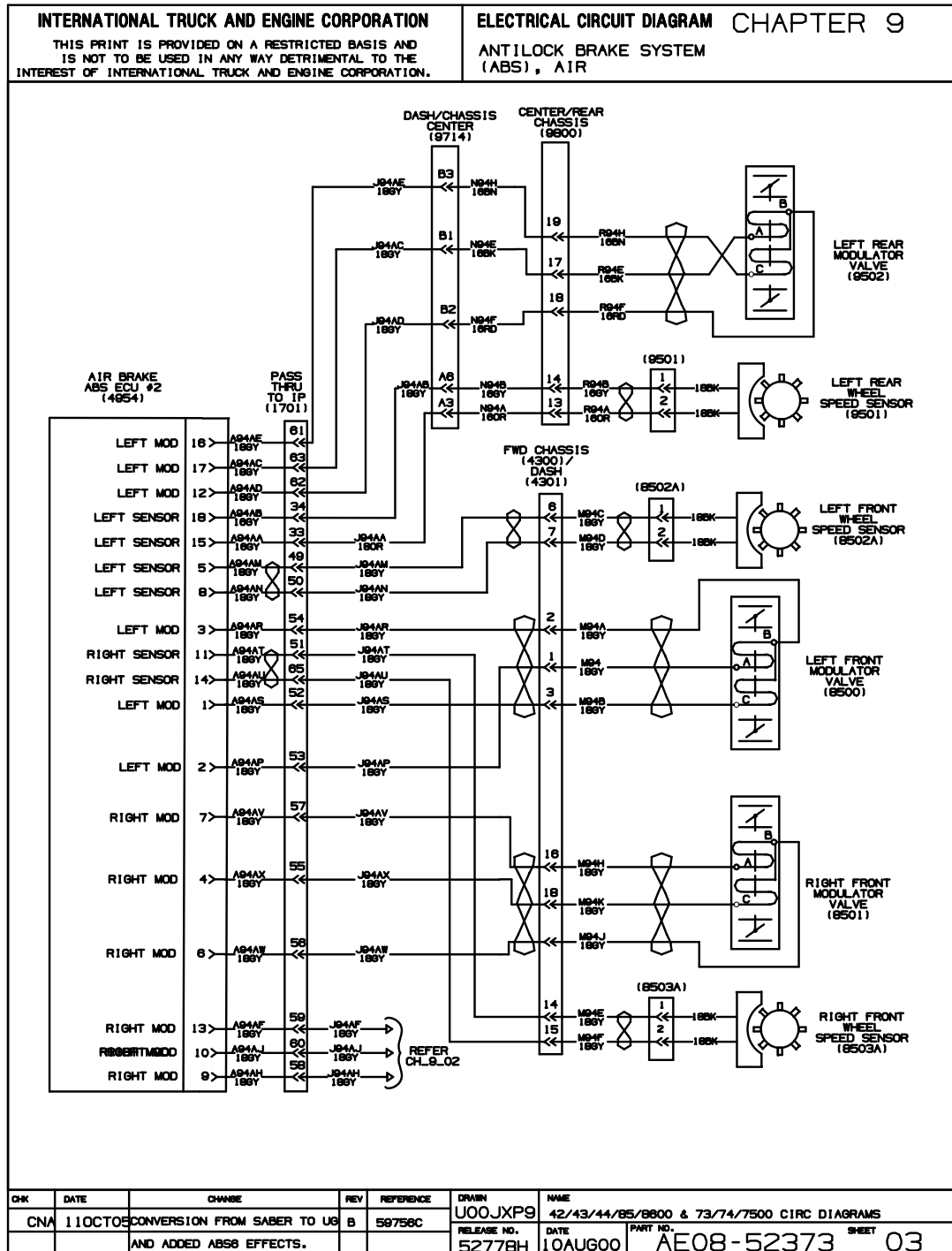


Figure 117 Antilock Brake System (ABS), Air, Traction Control



## 9.5. ANTILOCK BRAKE SYSTEM (ABS), HYDRAULIC (CONT.), P. 5

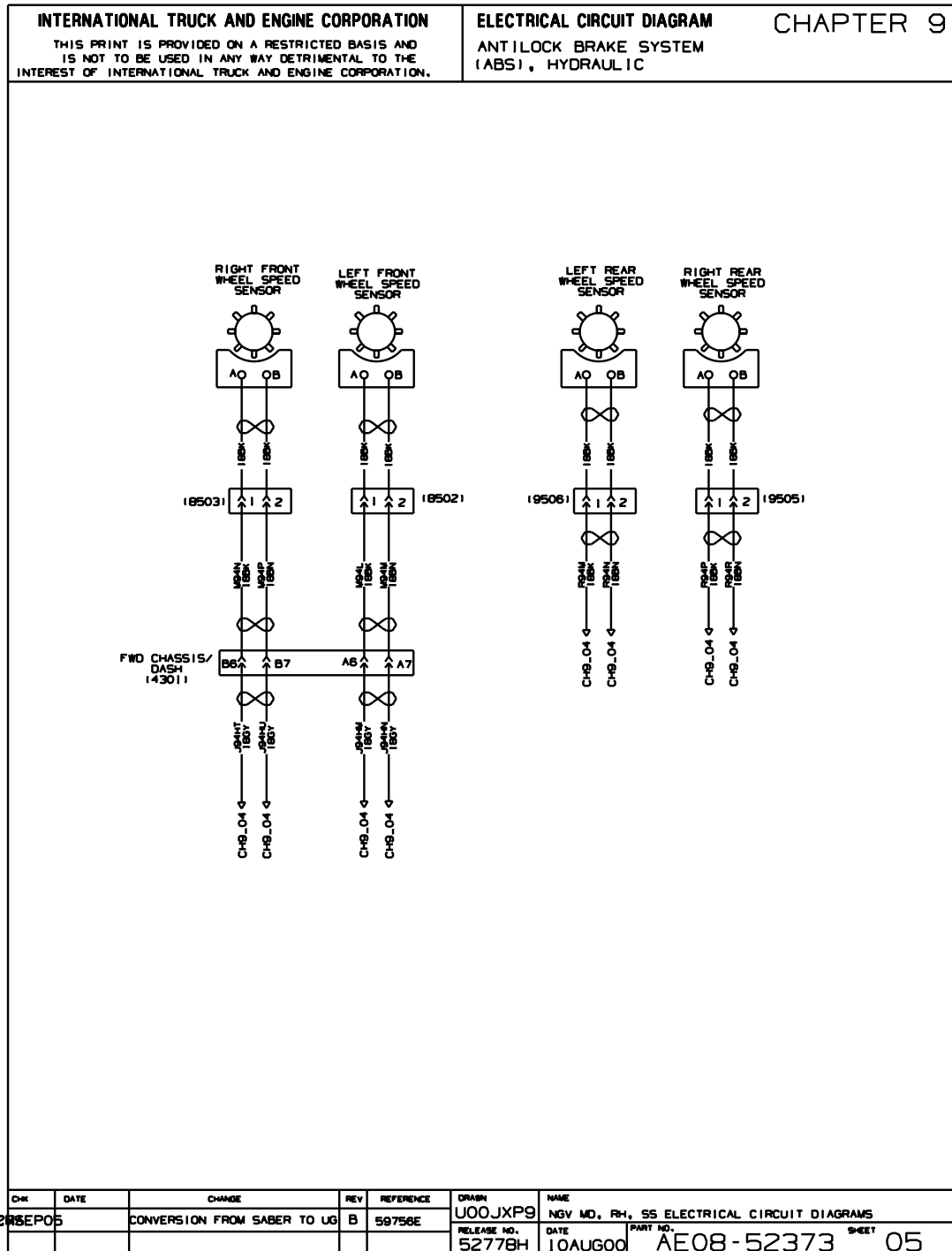
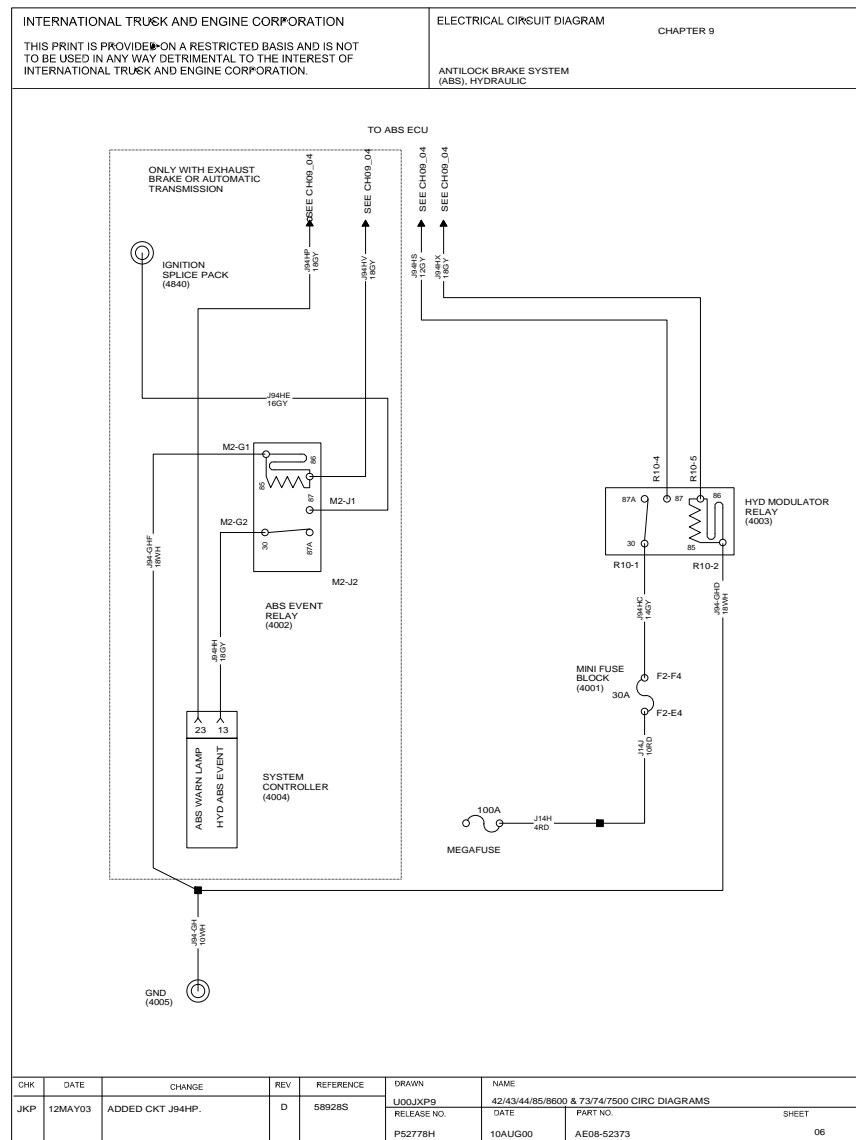
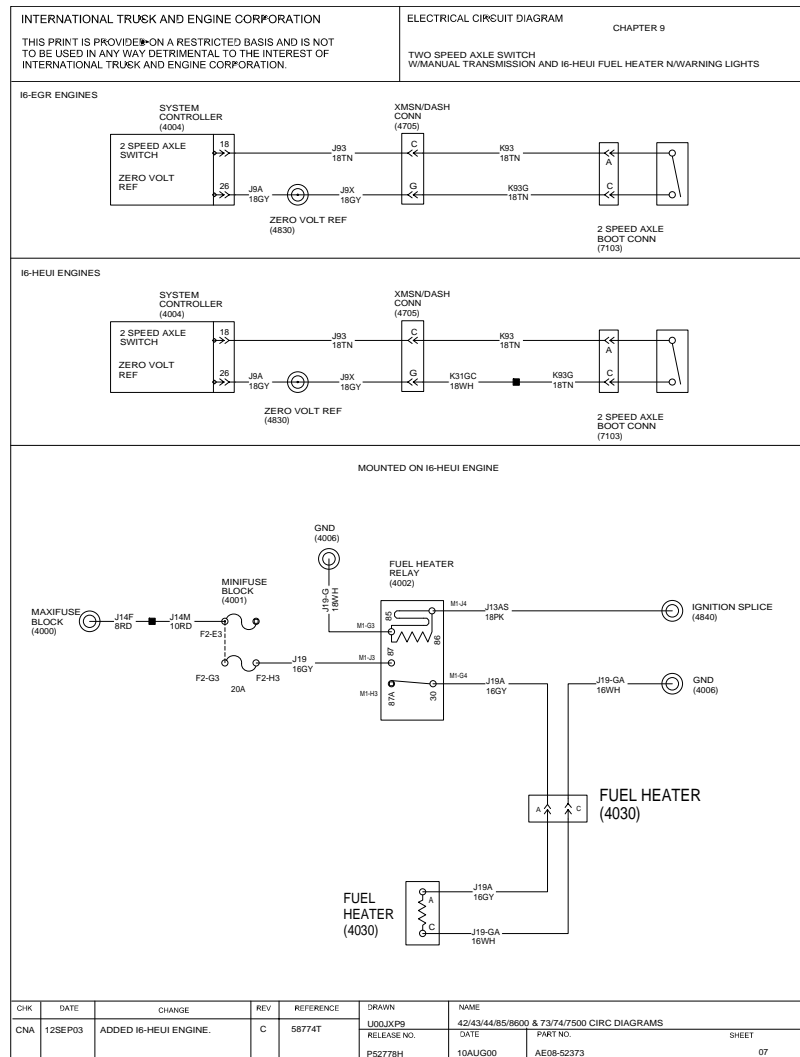


Figure 119 Antilock Brake System (ABS), Hydraulic (Cont.)

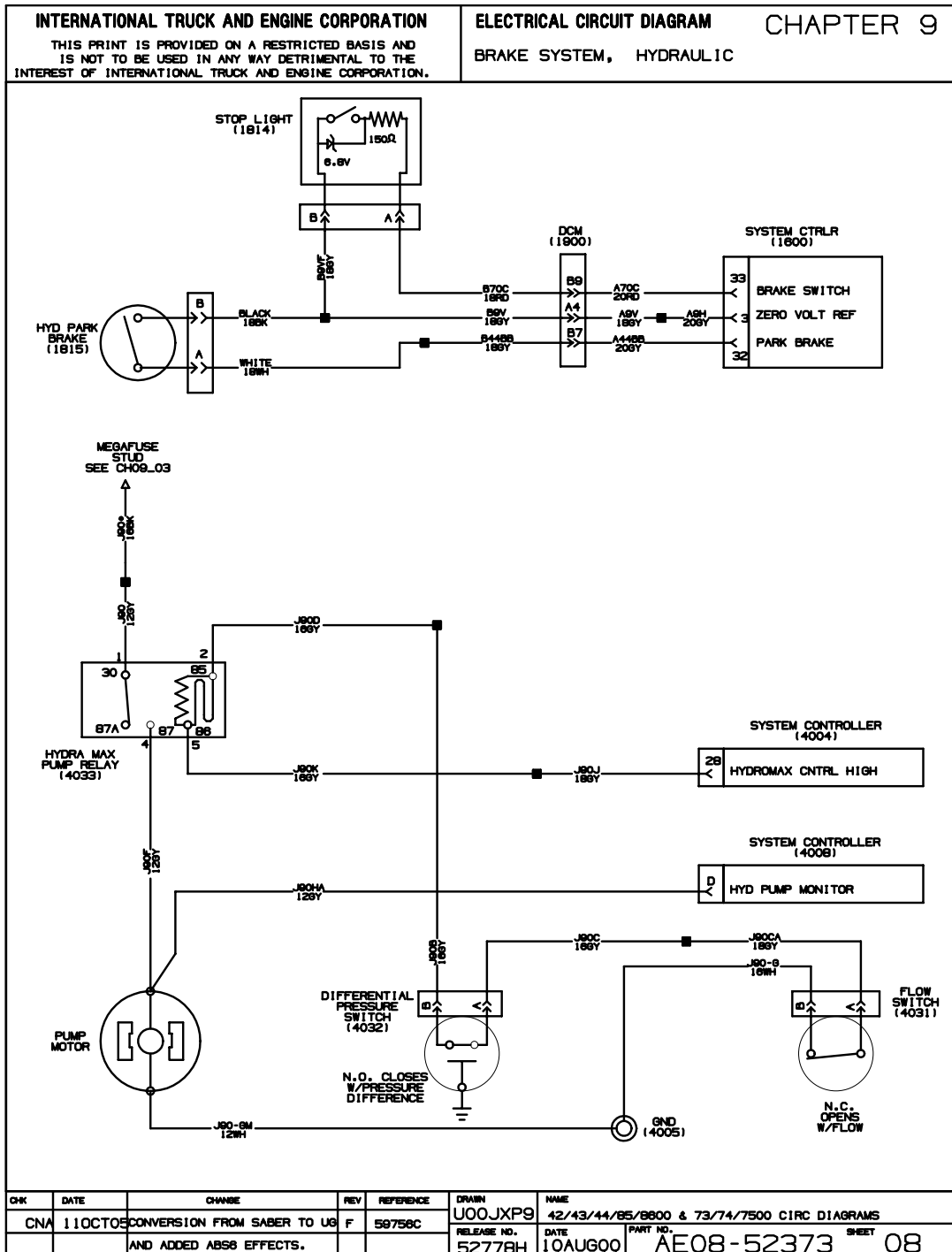
## 9.6. ANTILOCK BRAKE SYSTEM (ABS), HYDRAULIC (CONT.), P. 6



**Figure 120 Antilock Brake System (ABS), Hydraulic (Cont.)**

**9.7. TWO SPEED AXLE SWITCH WITH MANUAL TRANSMISSION AND I6 HEUI FUEL HEATER N/WARN LIGHTS, P. 7****Figure 121 Two Speed Axle Switch With Manual Transmission and I6 HEUI Fuel Heater N/Warn Lights**

## 9.8. BRAKE SYSTEM, HYDRAULIC, P. 8



### Figure 122 Brake System, Hydraulic



## 9.9. FUEL TRANSFER PUMP, P. 9

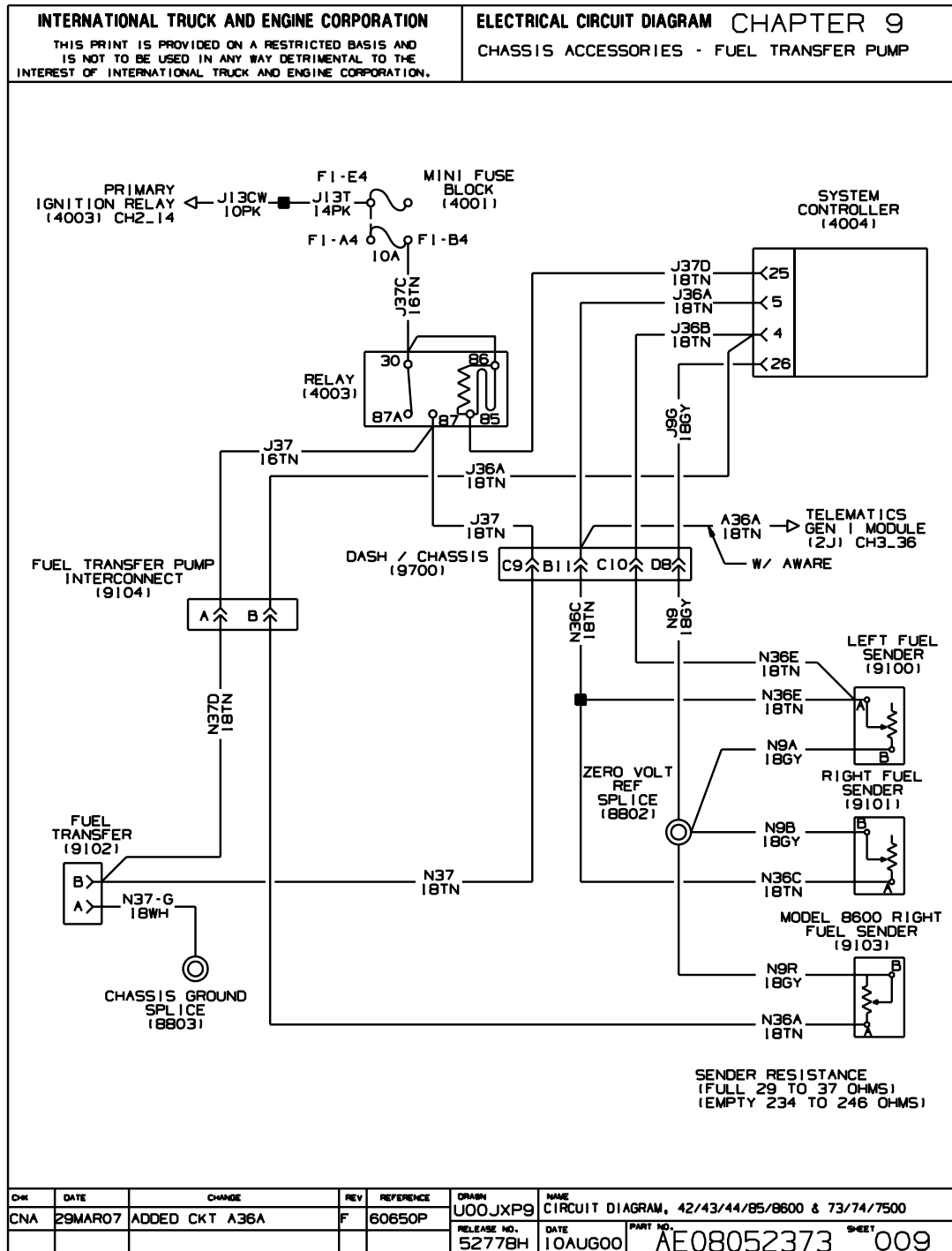
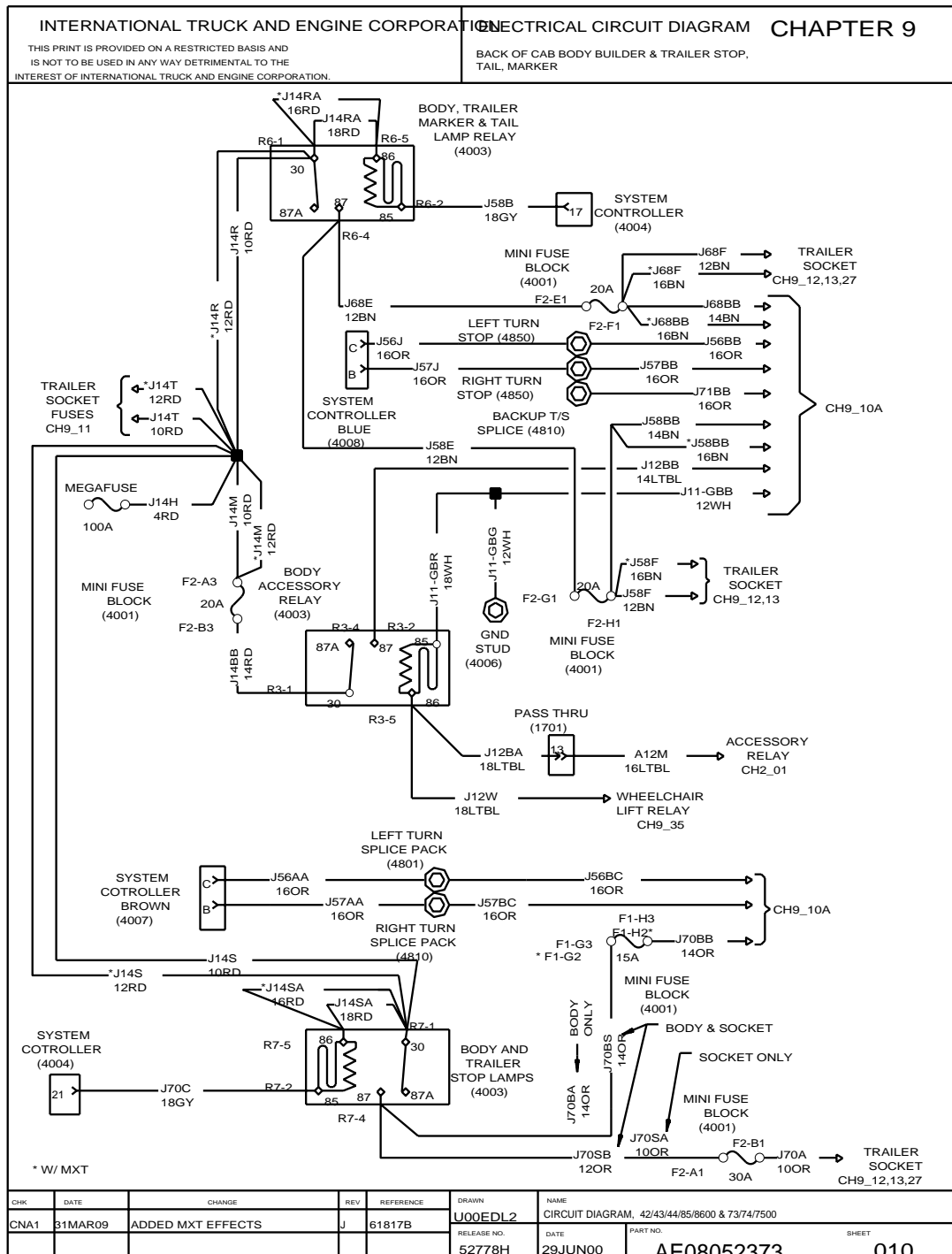


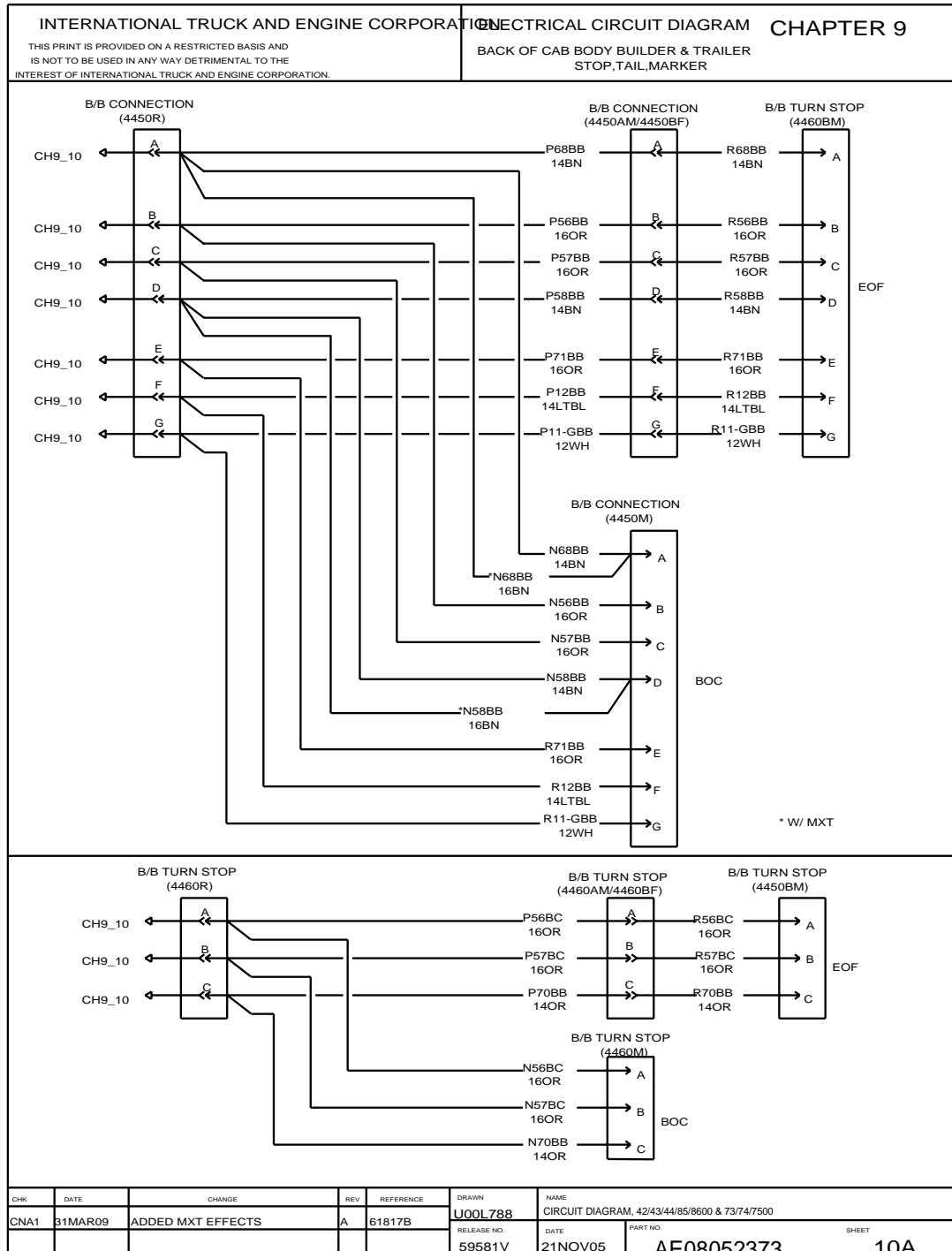
Figure 123 Fuel Transfer Pump



**3200, 4100, 4200, 4300, 4400, 7300, 7400, 7500, 7600, 7700, 8500, 8600, MXT, RXT**  
**Models Built Oct. 1, 2005 to Feb. 28, 2007 — ELECTRICAL CIRCUIT DIAGRAMS**

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**9.11. BACK OF CAB BODY BUILDER AND TRAILER STOP, TAIL, MARKER, P. 10A**



**Figure 125 Back of Cab Body Builder and Trailer Stop, Tail, Marker**

## 9.12. BODY BUILDER AND TRAILER TURNS, CENTER PIN ABS, CENTER PIN AUX, P. 11

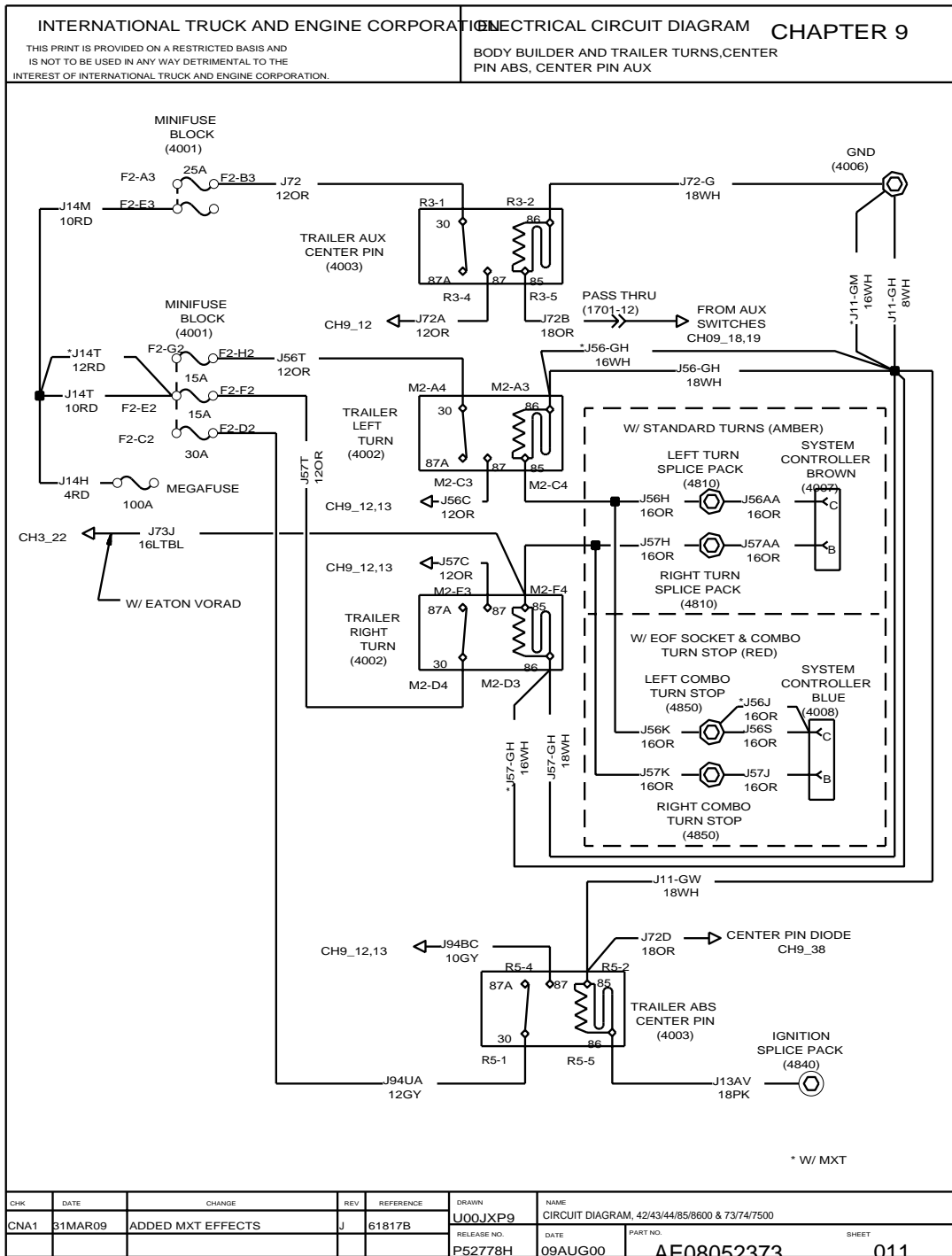
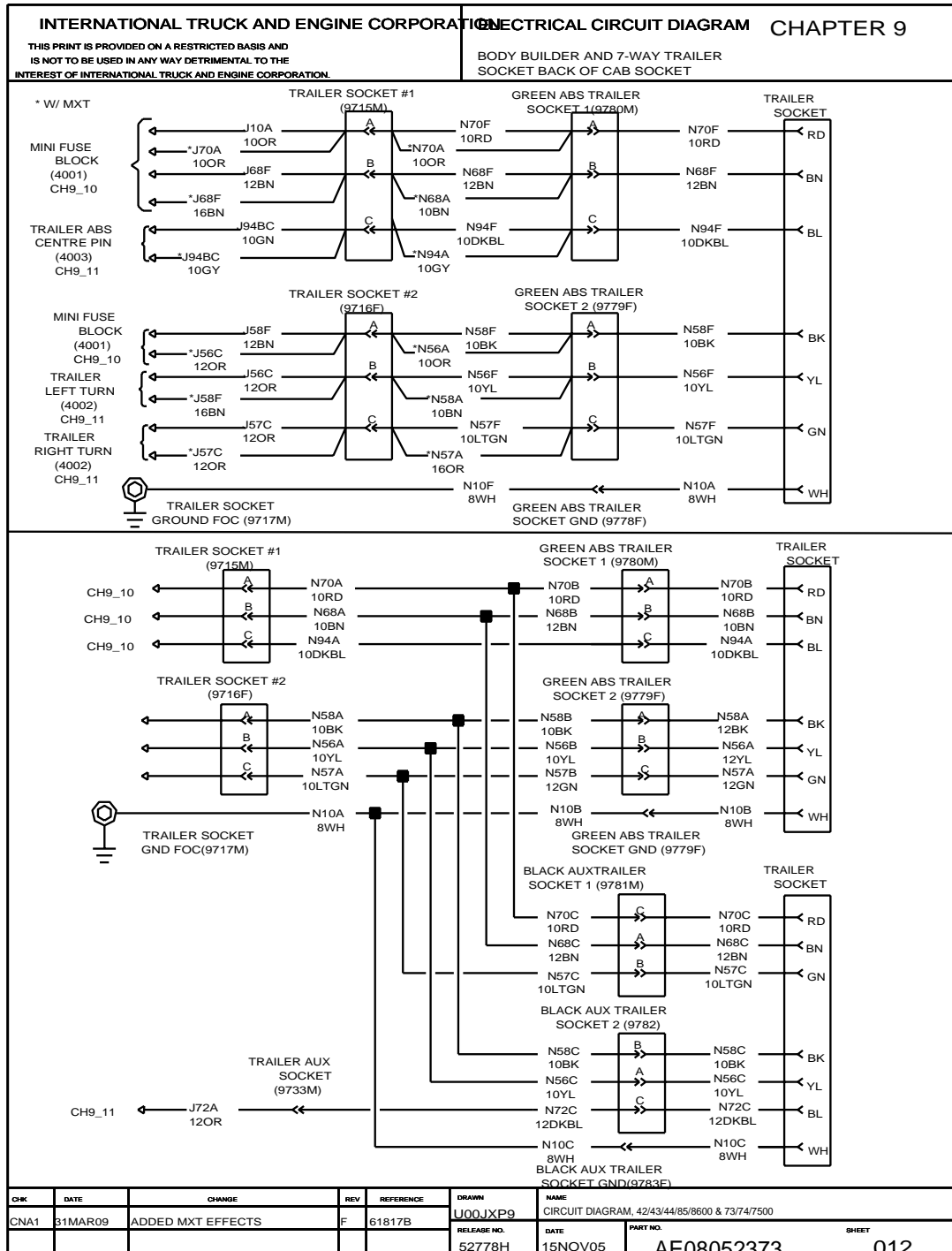


Figure 126 Body Builder and Trailer Turns, Center Pin ABS, Center Pin Aux

**3200, 4100, 4200, 4300, 4400, 7300, 7400, 7500, 7600, 7700, 8500, 8600, MXT, RXT**  
**Models Built Oct. 1, 2005 to Feb. 28, 2007 — ELECTRICAL CIRCUIT DIAGRAMS**

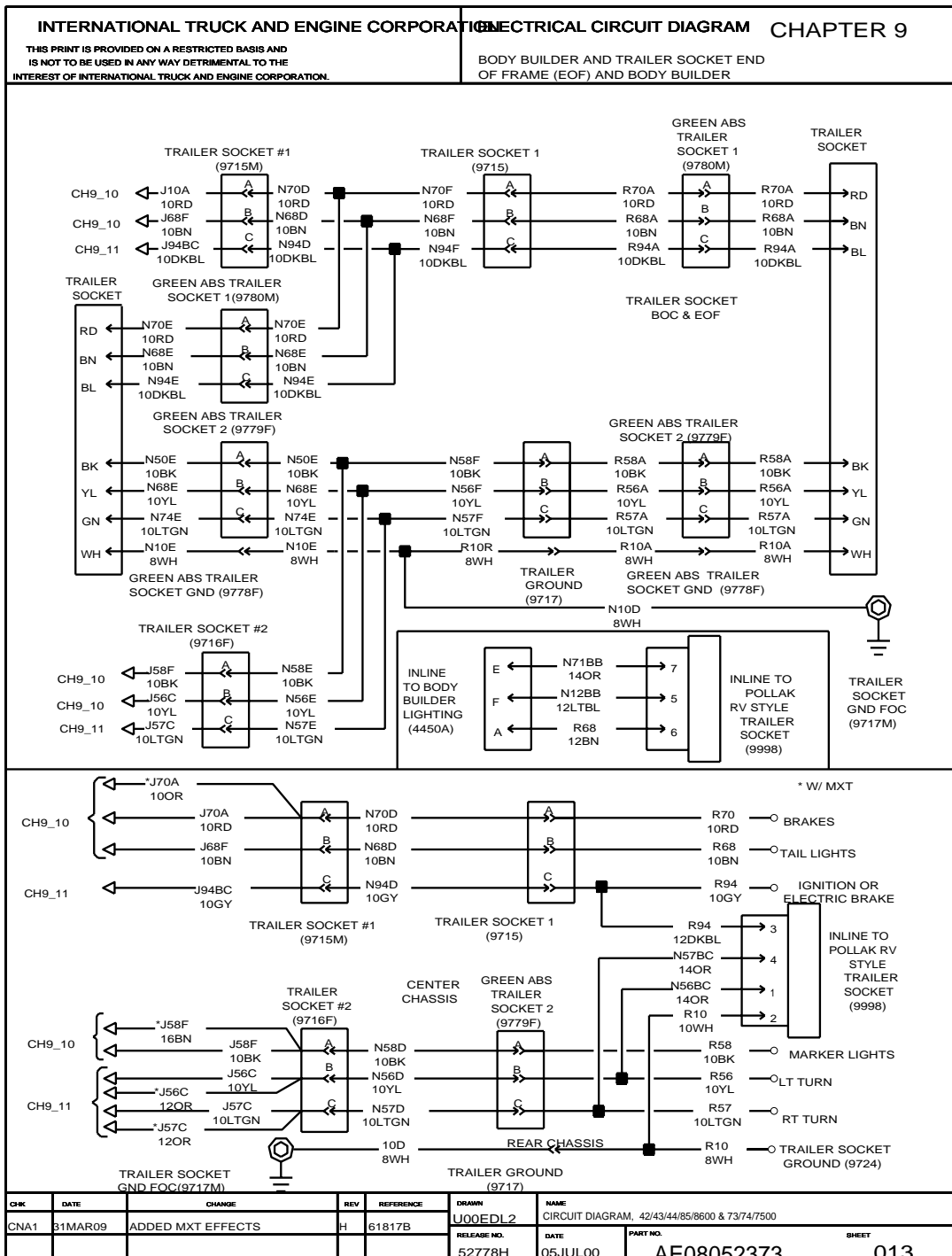
127

**9.13. BODY BUILDER AND 7-WAY TRAILER SOCKET BACK OF CAB SOCKET, P. 12**



**Figure 127 Body Builder and Trailer Socket Back of Cab Sockets**

#### 9.14. BODY BUILDER AND TRAILER SOCKET END OF FRAME (EOF) SOCKET AND BODY BUILDER, P. 13



**Figure 128 Body Builder and Trailer Socket End of Frame (EOF) Socket and Body Builder**

### 9.15. AIR SOLENOID 4-WAY PACK, P. 14

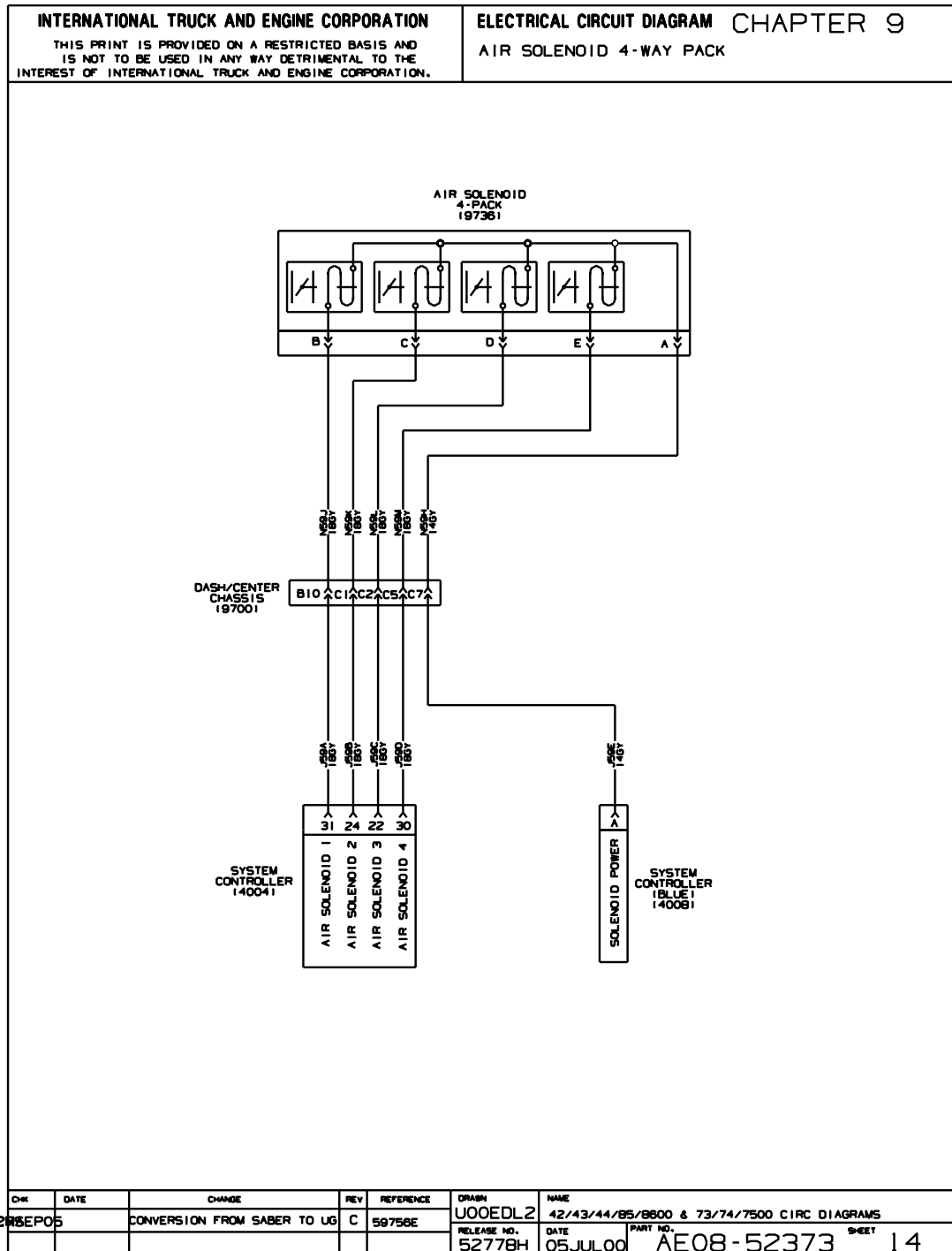
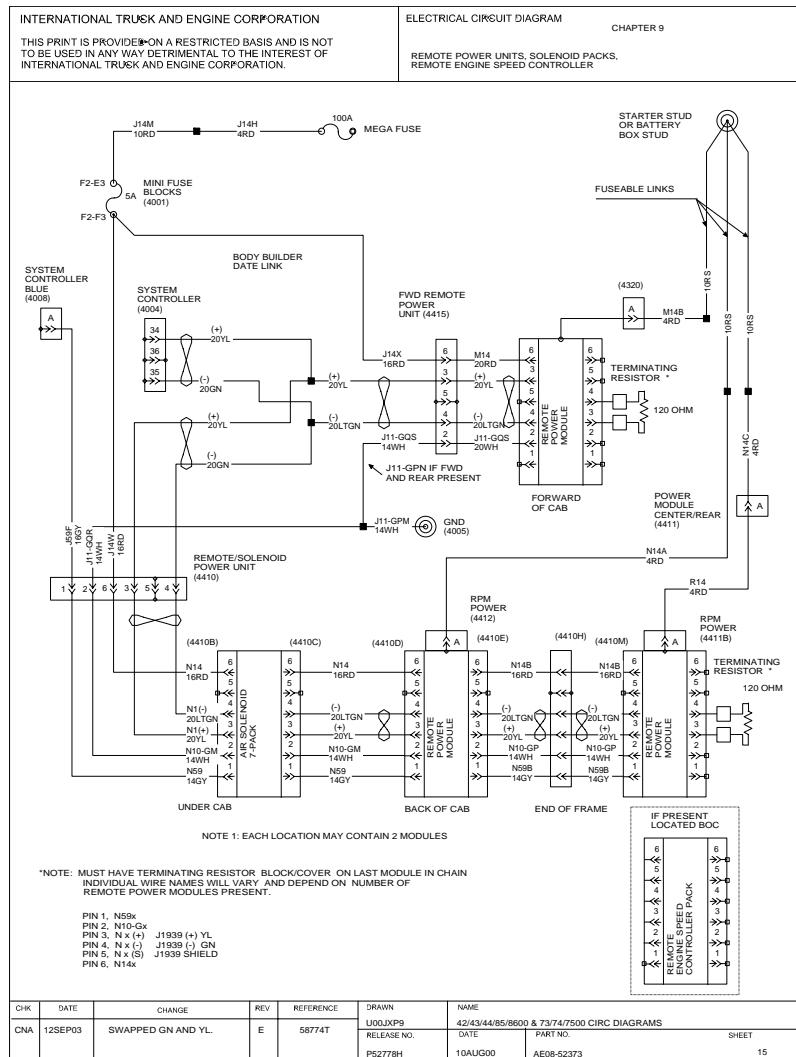


Figure 129 Air Solenoid 4-Way Pack

## 9.16. REMOTE POWER UNITS, SOLENOID PACKS, REMOTE ENGINE SPEED CONTROLLER, P. 15



**Figure 130 Remote Power Units, Solenoid Packs, Remote Engine Speed Controller**



## 9.17. CHASSIS ACCESSORIES, P. 16

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<p>PAGE INTENTIONALLY LEFT BLANK</p>							
CHG	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME	
21SEP05		CONVERSION FROM SABER TO UG	B	59756E	U00EDL2	NGV MD. RM. SS ELECTRICAL CIRCUIT DIAGRAM	
					RELEASE NO. 52778H	DATE 10JUL00	PART NO. AE08-52373
						SHEET	16

Figure 131 Chassis Accessories



## 9.19. AUX. TRAILER, ACC CONTROLLED, P. 18

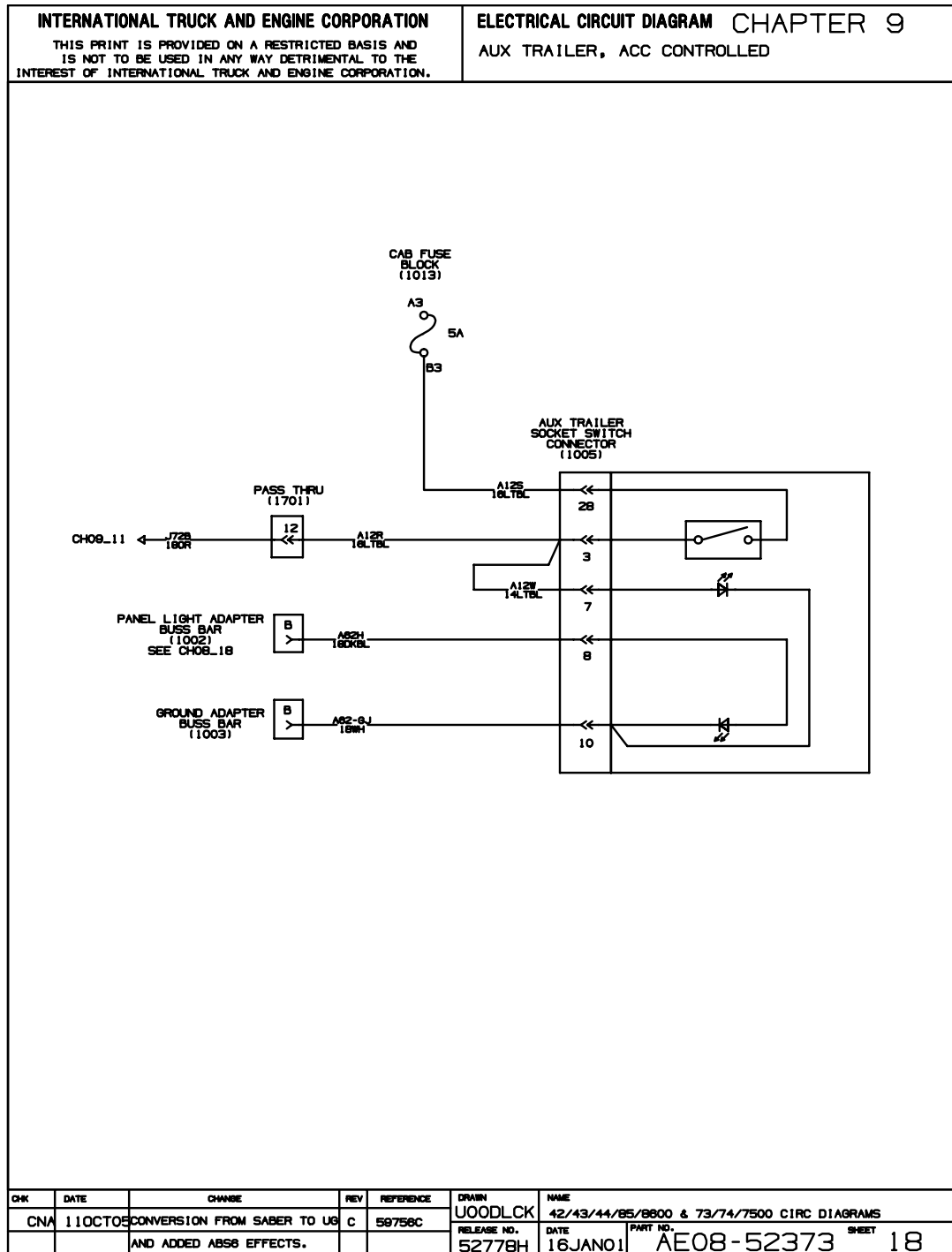


Figure 133 Aux. Trailer, Acc Controlled

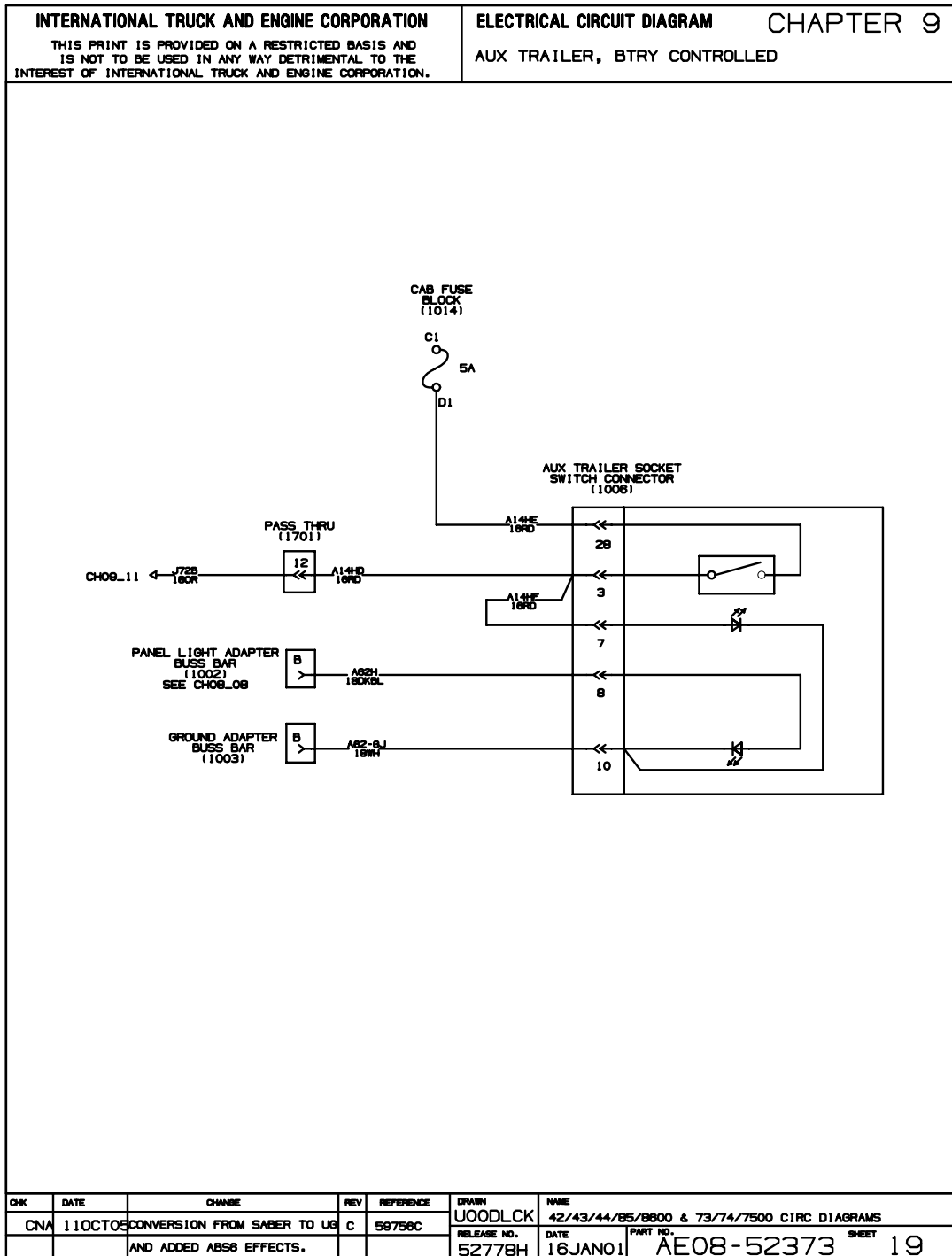
**9.20. AUX. TRAILER, BTRY CONTROLLED, P. 19**

Figure 134 Aux. Trailer, Btry Controlled

## 9.21. LIFT AXLES (NON-STEERABLE), P. 20

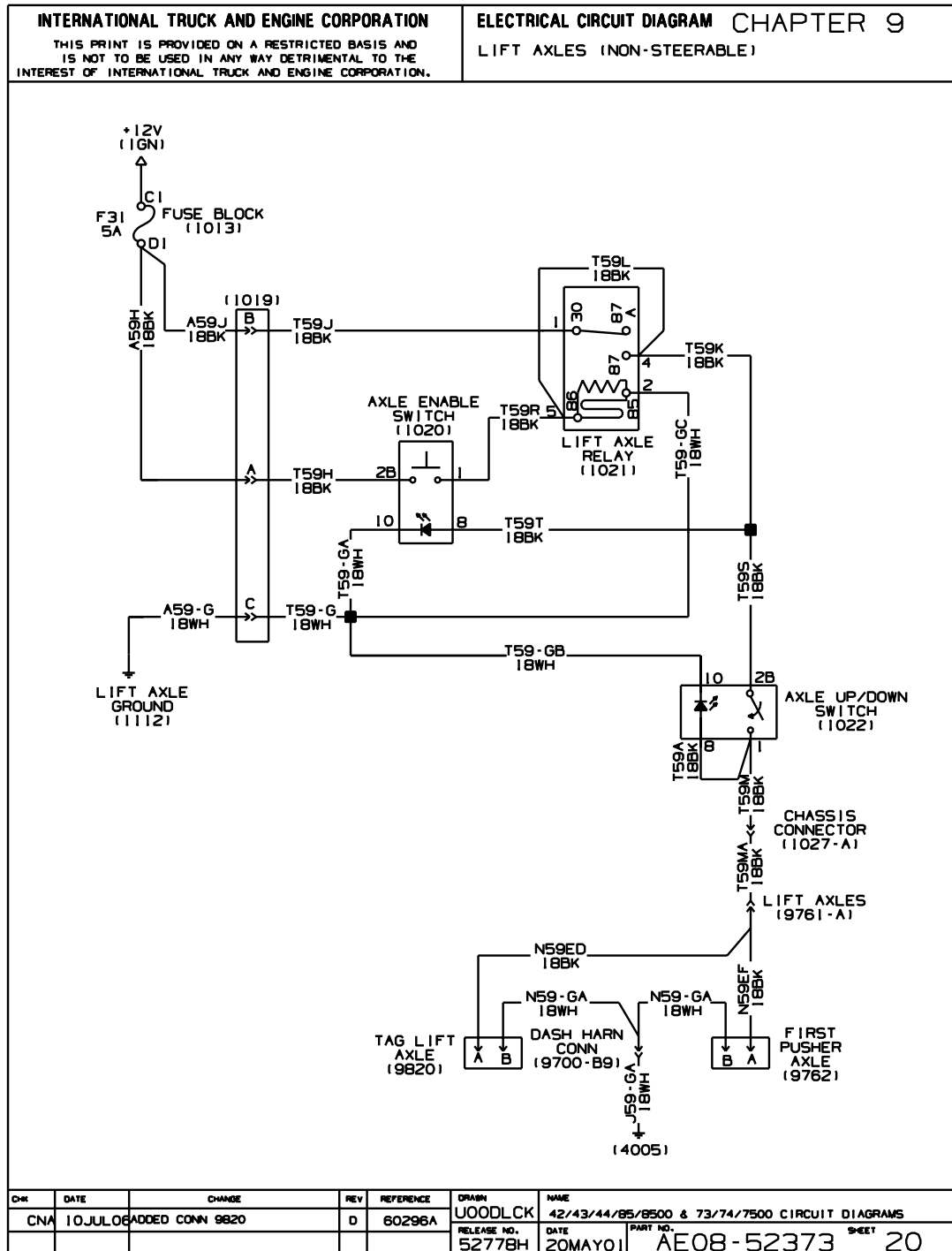


Figure 135 Lift Axles (Non-Steerable)

## 9.22. LIFT AXLES (STEERABLE), P. 21

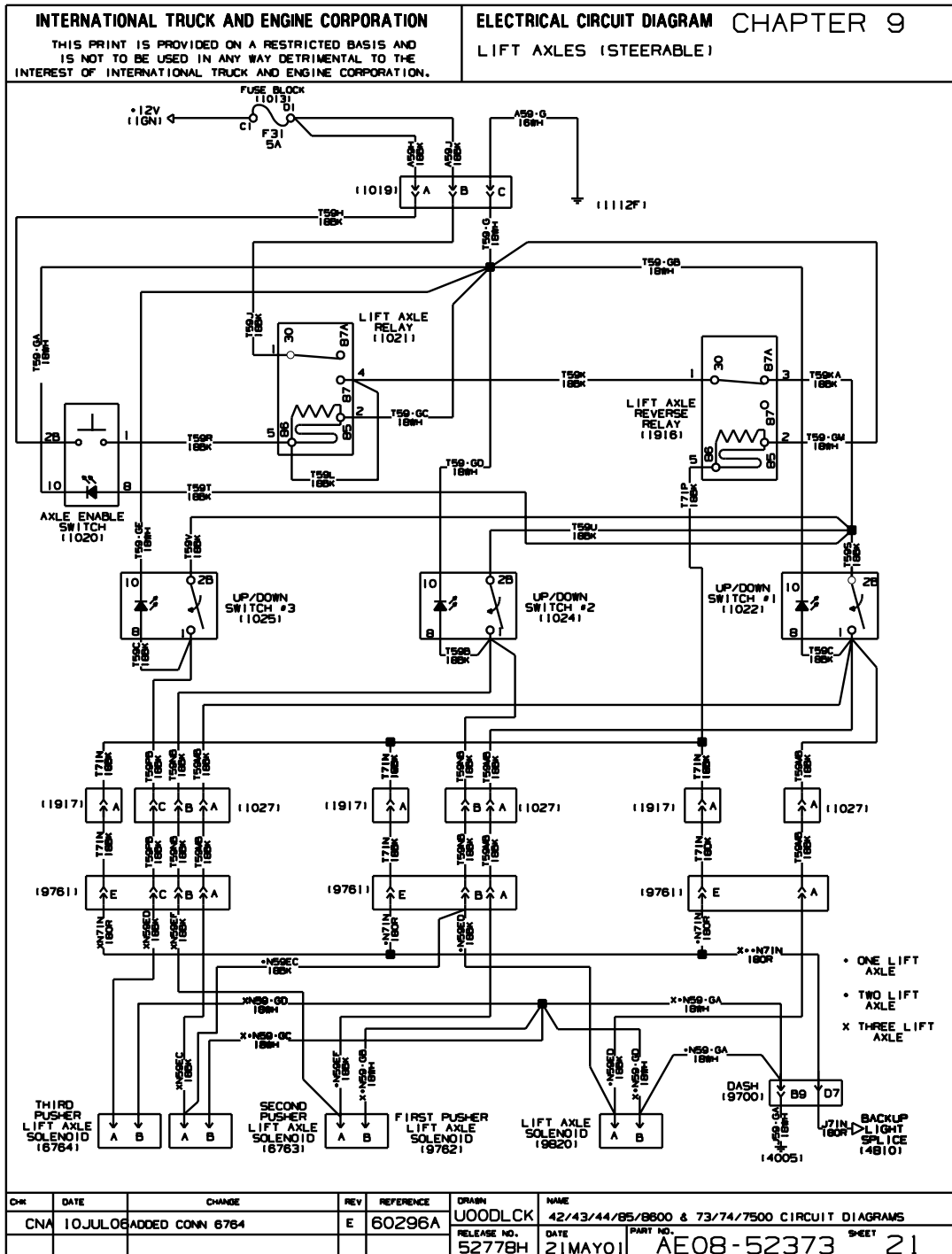


Figure 136 Lift Axles (Non-Steerable)



## 9.24. ANTILOCK BRAKE SYSTEM, WABCO AIR, P. 23

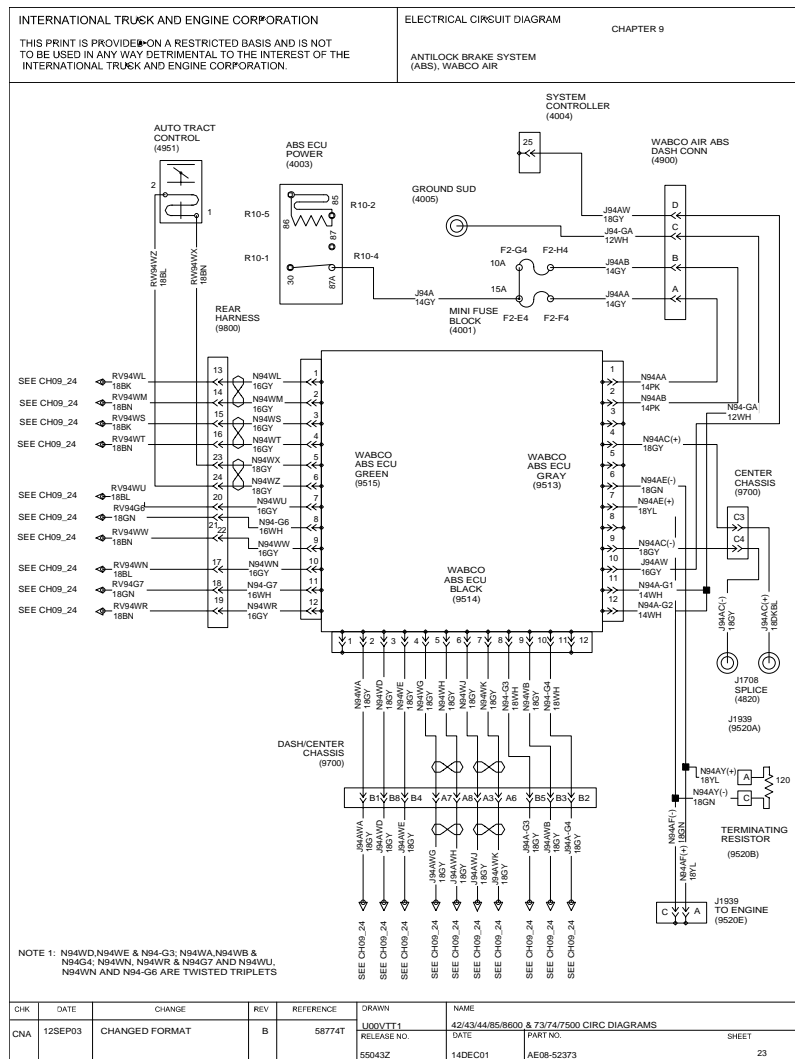


Figure 138 Antilock Brake System, WABCO Air



## 9.25. ANTILOCK BRAKE SYSTEM, WABCO AIR, P. 24

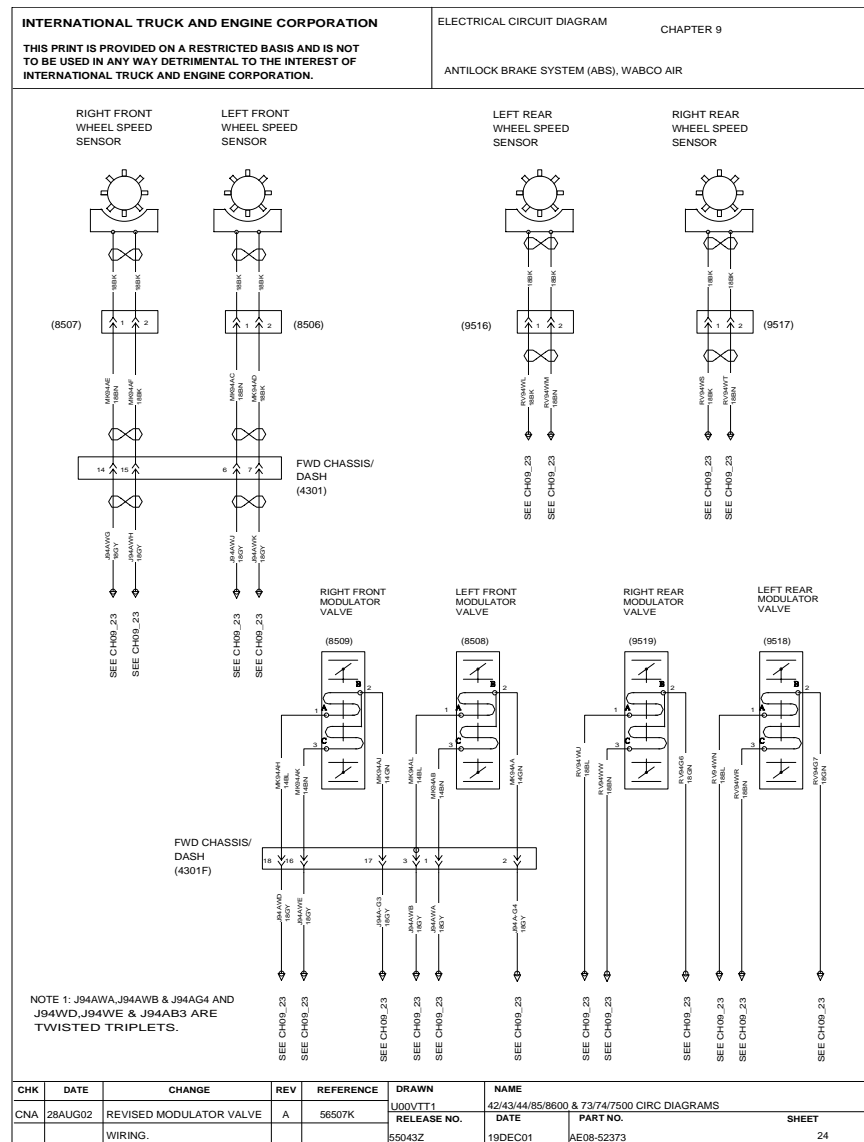


Figure 139 Antilock Brake System, WABCO Air

**9.26. LIFT AXLES, WITH NON—STEERABLE FOR SS MODELS, P. 25**

<b>INTERNATIONAL TRUCK AND ENGINE CORPORATION</b> <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>				<b>ELECTRICAL CIRCUIT DIAGRAM</b> <b>CHAPTER 9</b> <b>LIFT AXLES, W/NON-STEERABLE      FOR SS MODELS</b>			
INTENTIONALLY LEFT BLANK							
<small>CHG</small>	<small>DATE</small>	<small>CHANGE</small>	<small>REV</small>	<small>REFERENCE</small>	<small>DRAWN</small>	<small>NAME</small>	
CNA	10JUL08	GEOMETRY REMOVED	D	80296A	WOODLCK	42/43/44/65/8600 & 73/74/7500 CIRCUIT DIAGRAMS	
					<small>RELEASE NO.</small>	<small>DATE</small>	<small>PART NO.</small> <small>SHEET</small>
					52778H	15DEC01	AE08-52373      25

**Figure 140   Lift Axles, With Non—Steerable for SS Models**

## 9.27. FUEL / WATER SEPARATOR WITH 12VDC FUEL PREHEATER, P. 26

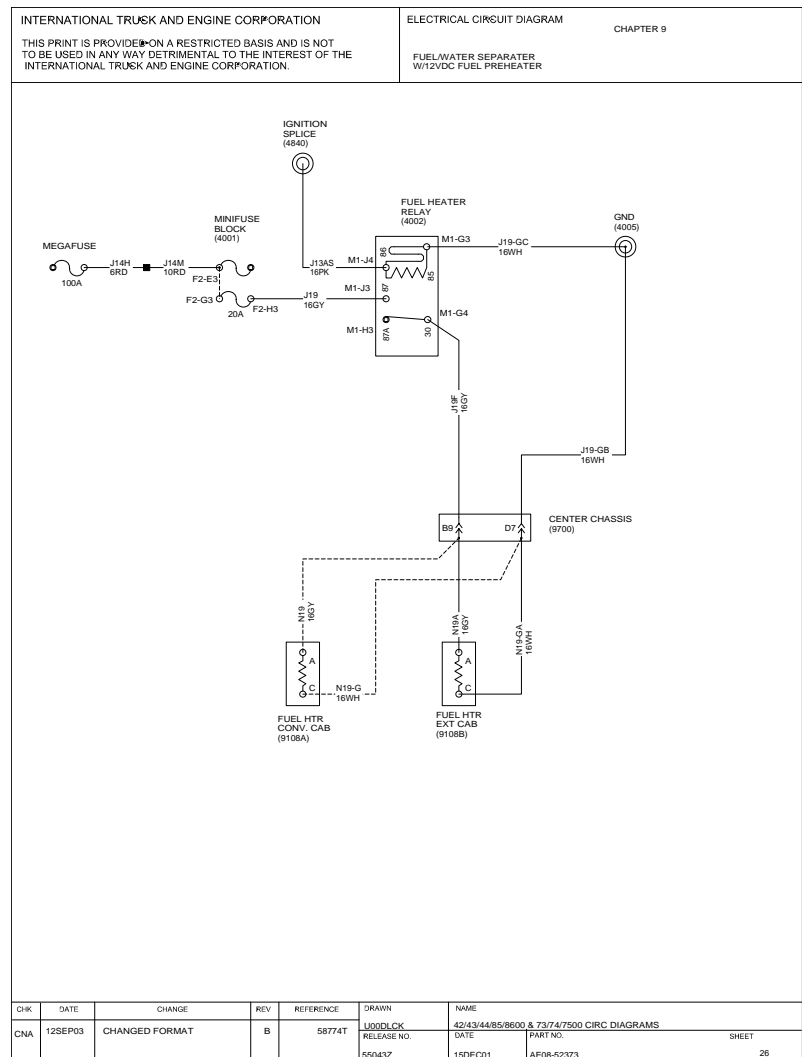


Figure 141 Fuel / Water Separator With 12VDC Fuel Preheater

## 9.28. ELECTRONIC TRAILER BRAKE ACCOMMODATION, P. 27

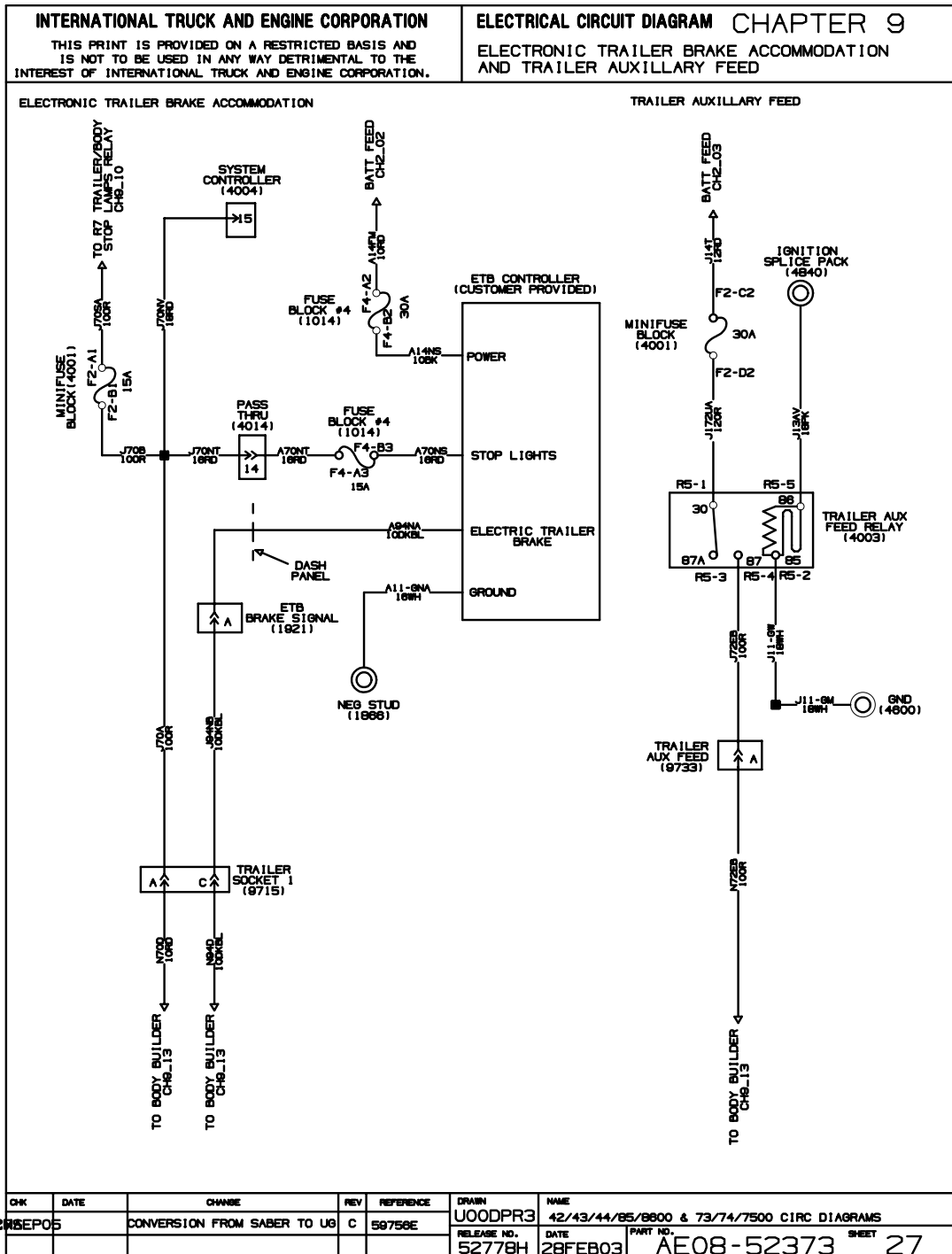
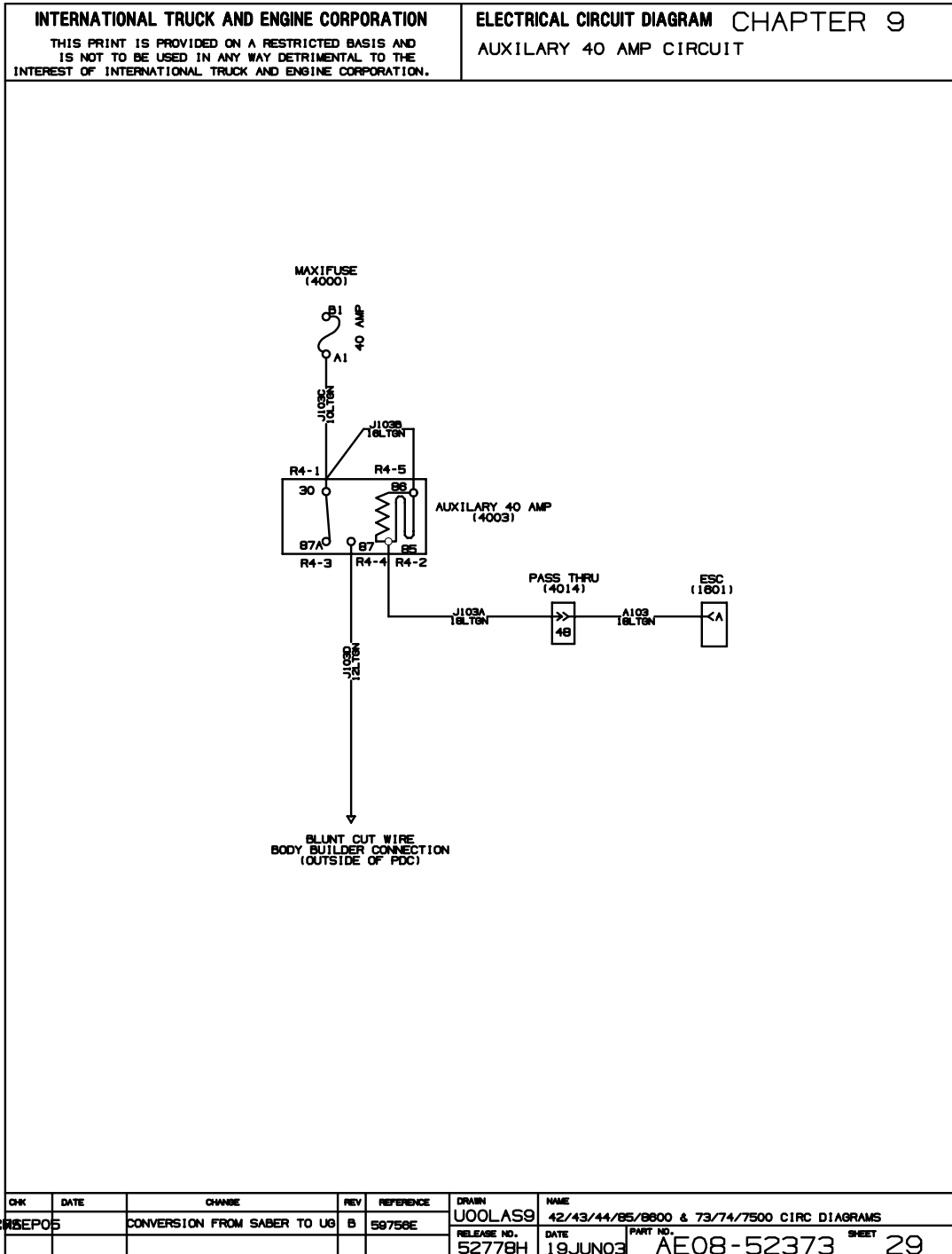


Figure 142 Electronic Trailer Brake Accommodation



**9.30. AUXILIARY 40 AMP CIRCUIT, P. 29****Figure 144 Auxiliary 40 Amp Circuit**

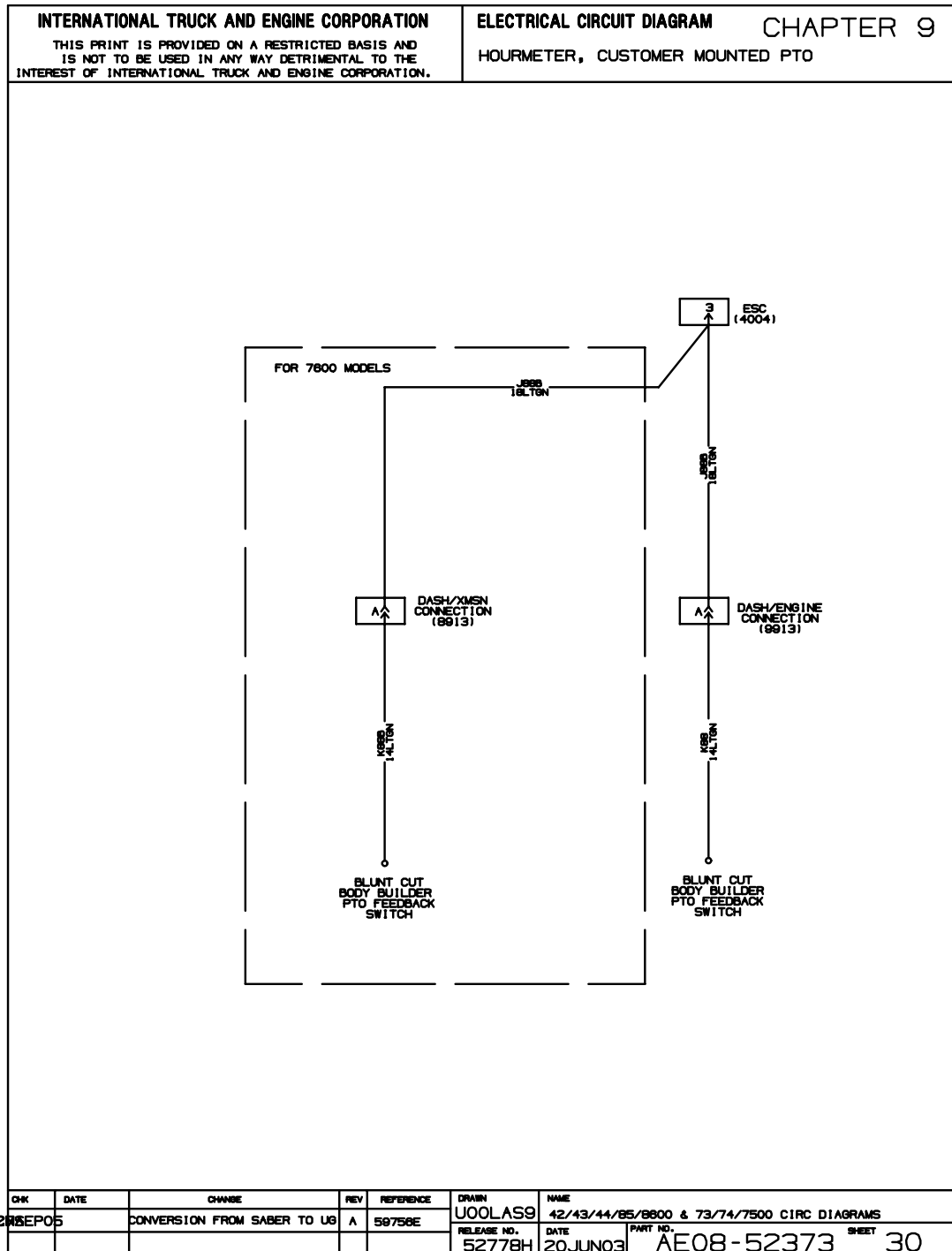
**9.31. HOURMETER, CUSTOMER MOUNTED PTO, P. 30**

Figure 145 Hourmeter, Customer Mounted PTO

### 9.32. REMOTE START/ STOP, P. 31

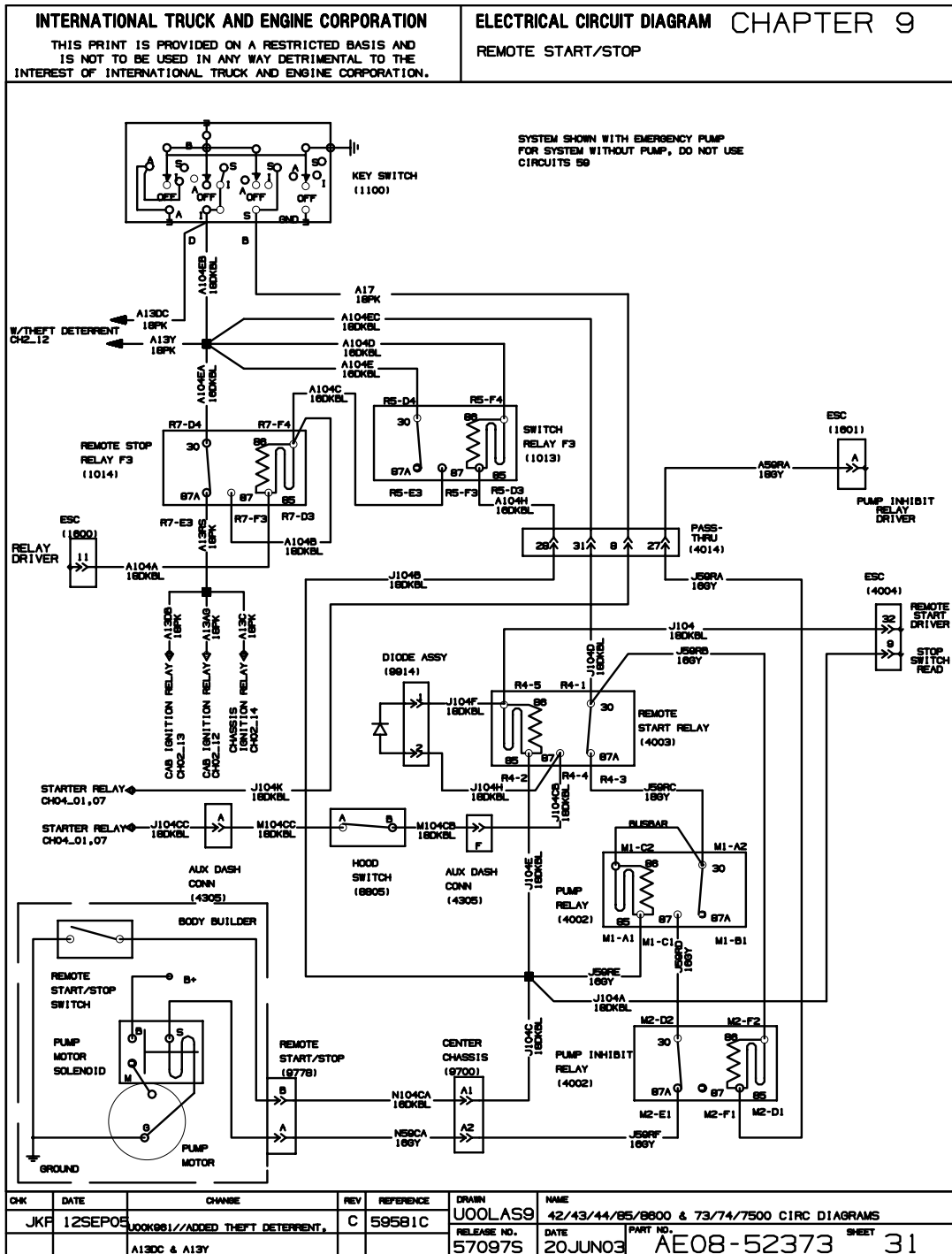
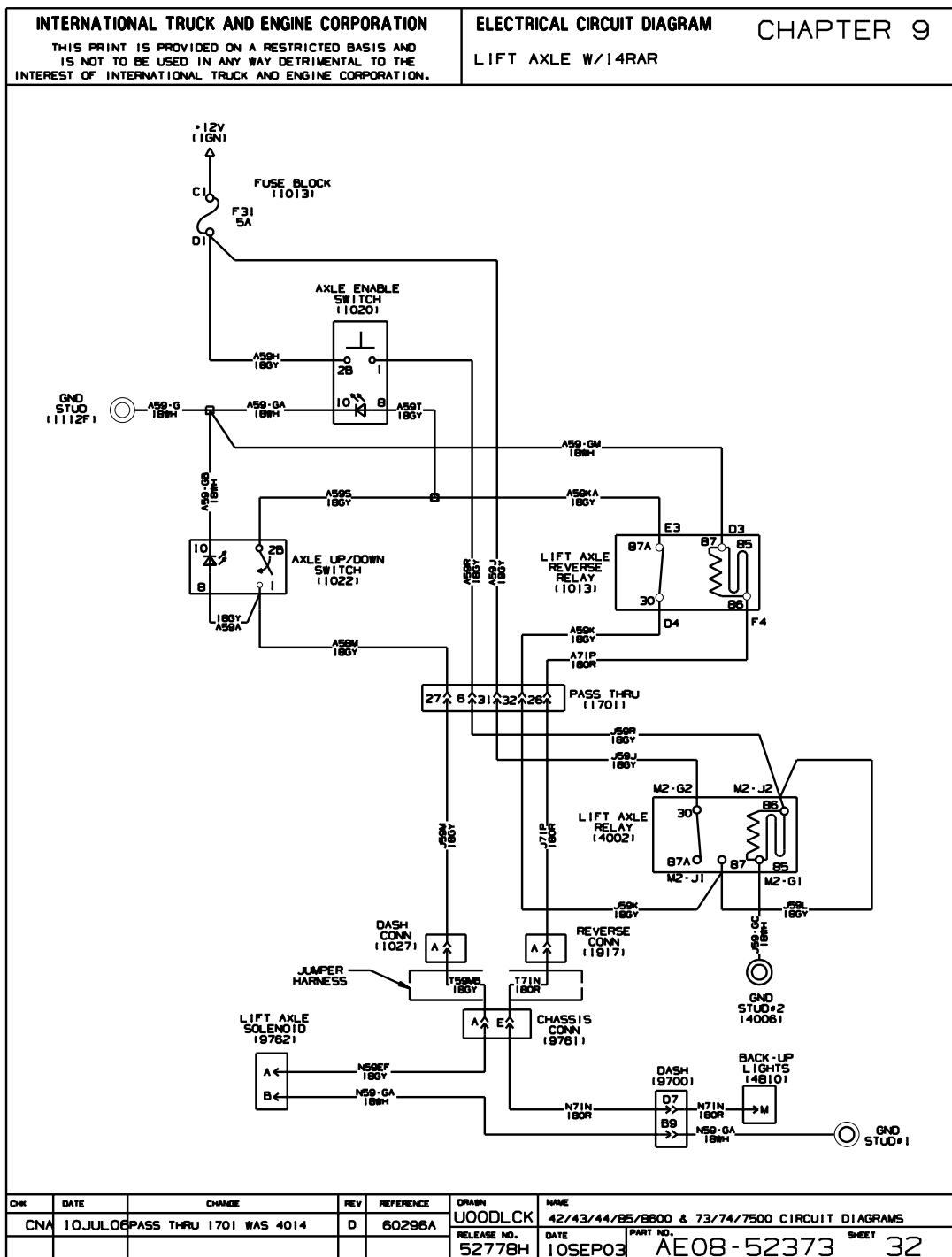


Figure 146 Remote Start/ Stop



### 9.33. LIFT AXLE WITH 14RAR, P. 32



**Figure 147 Lift Axle with 14RAR**





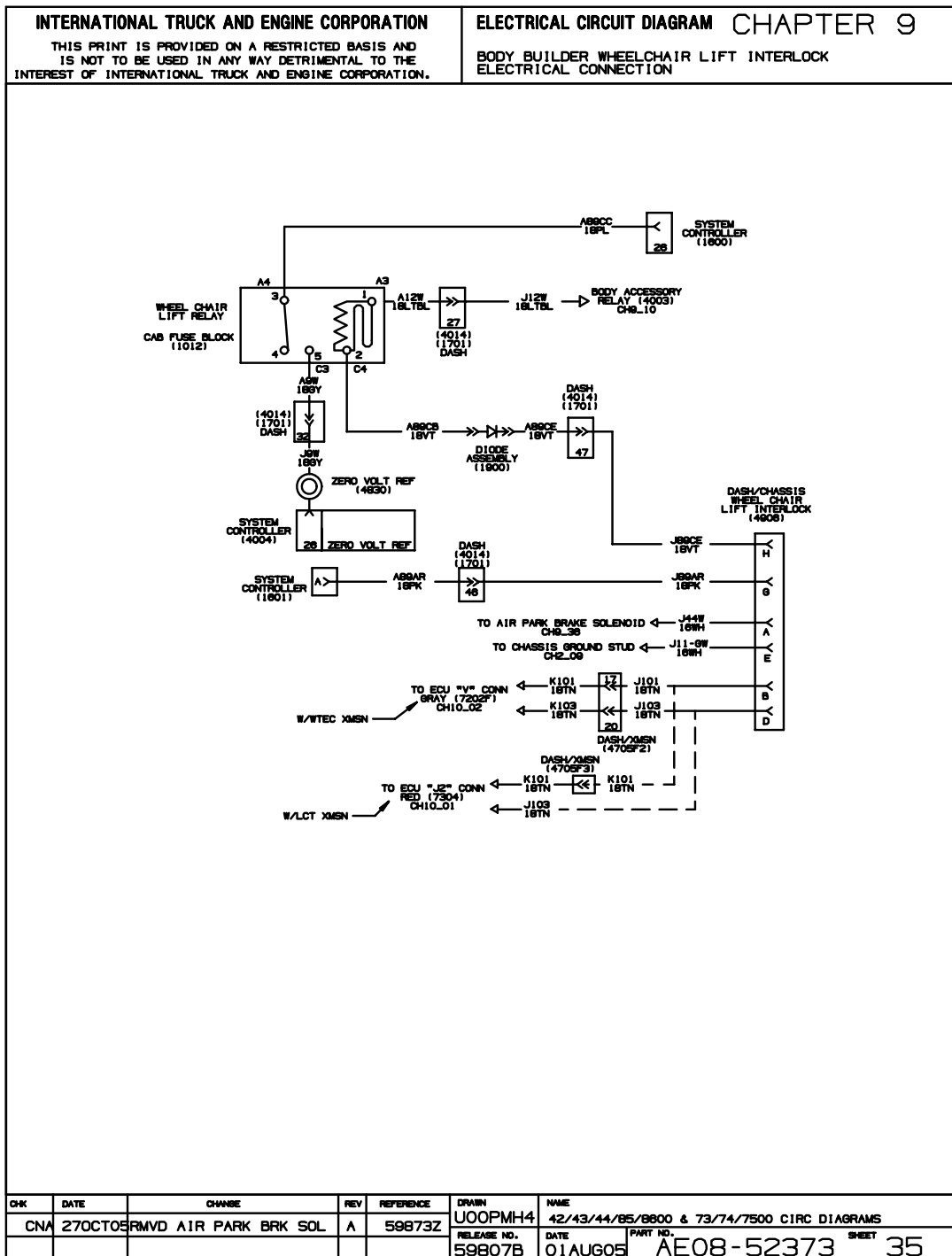
**9.36. BODY BUILDER WHEELCHAIR LIFT INTERLOCK ELECTRICAL CONNECTION,  
P. 35**

Figure 150 Body Builder Wheelchair Lift Interlock Electrical Connection

### 9.37. AIR PARK BRAKE INTERLOCK, P. 36

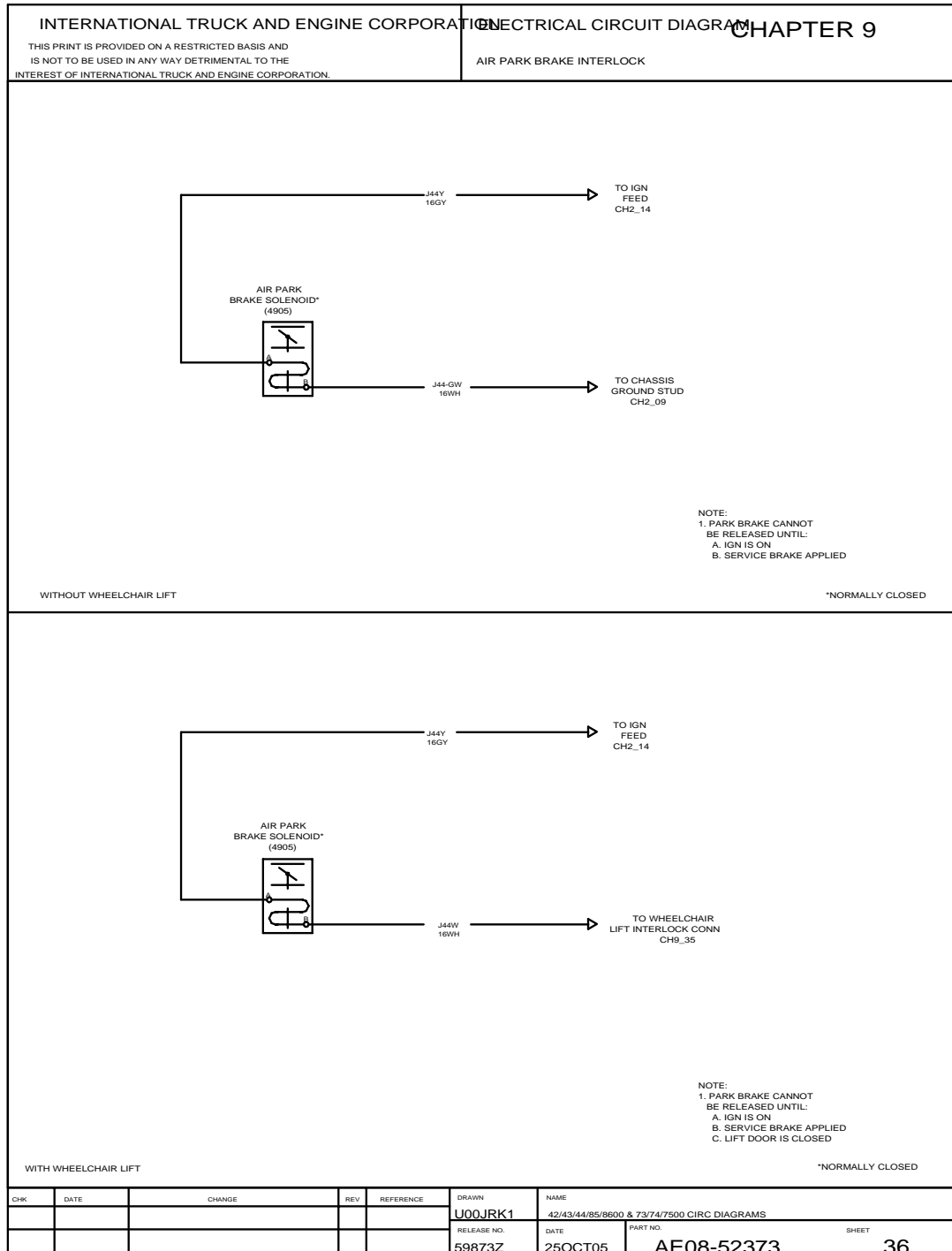
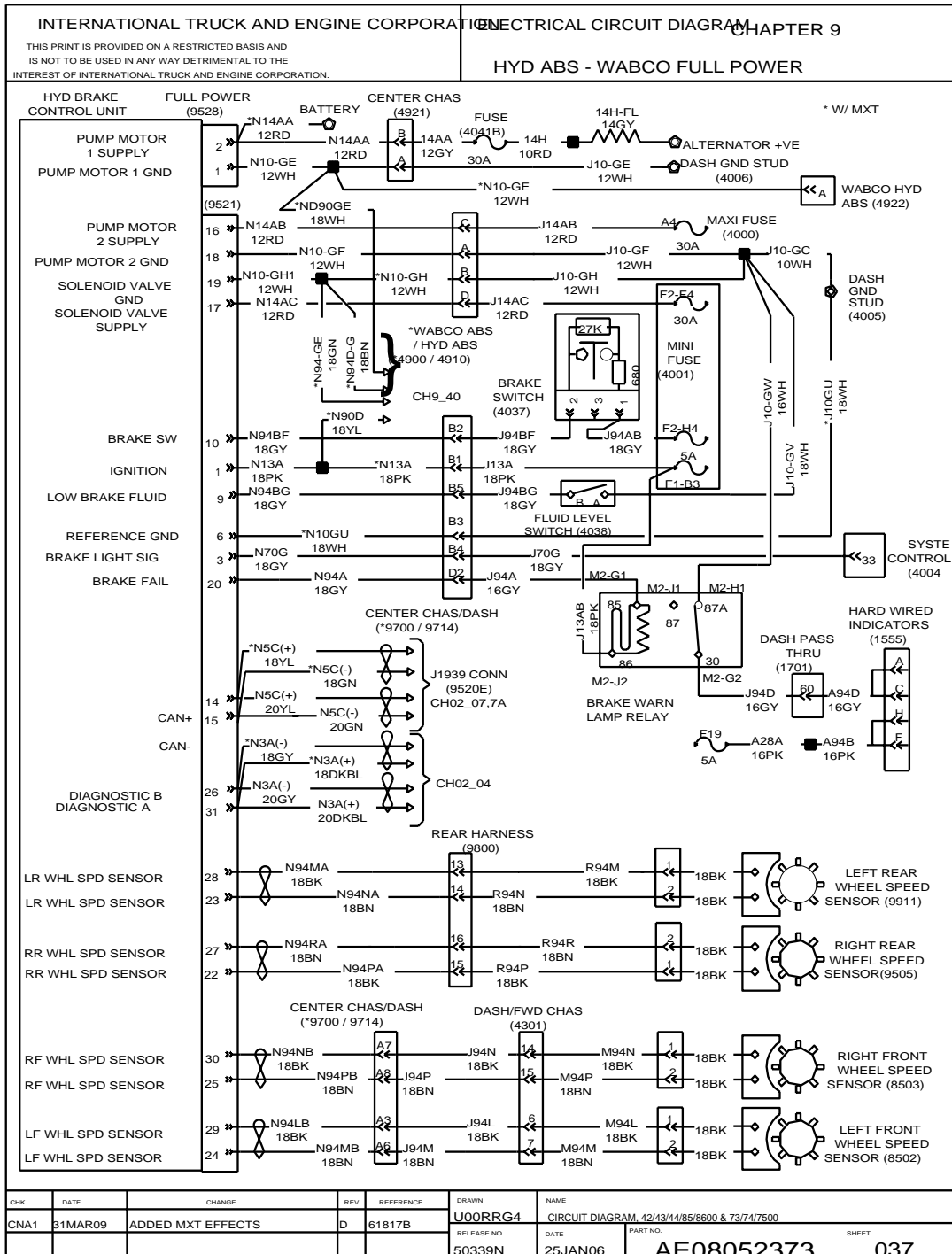


Figure 151 Air Park Brake Interlock

### 9.38. HYDRAULIC ABS — WABCO FULL POWER, P. 37



### Figure 152 Hydraulic ABS — Wabco Full Power

## 9.39. CENTER PIN CIRCUIT, P. 38

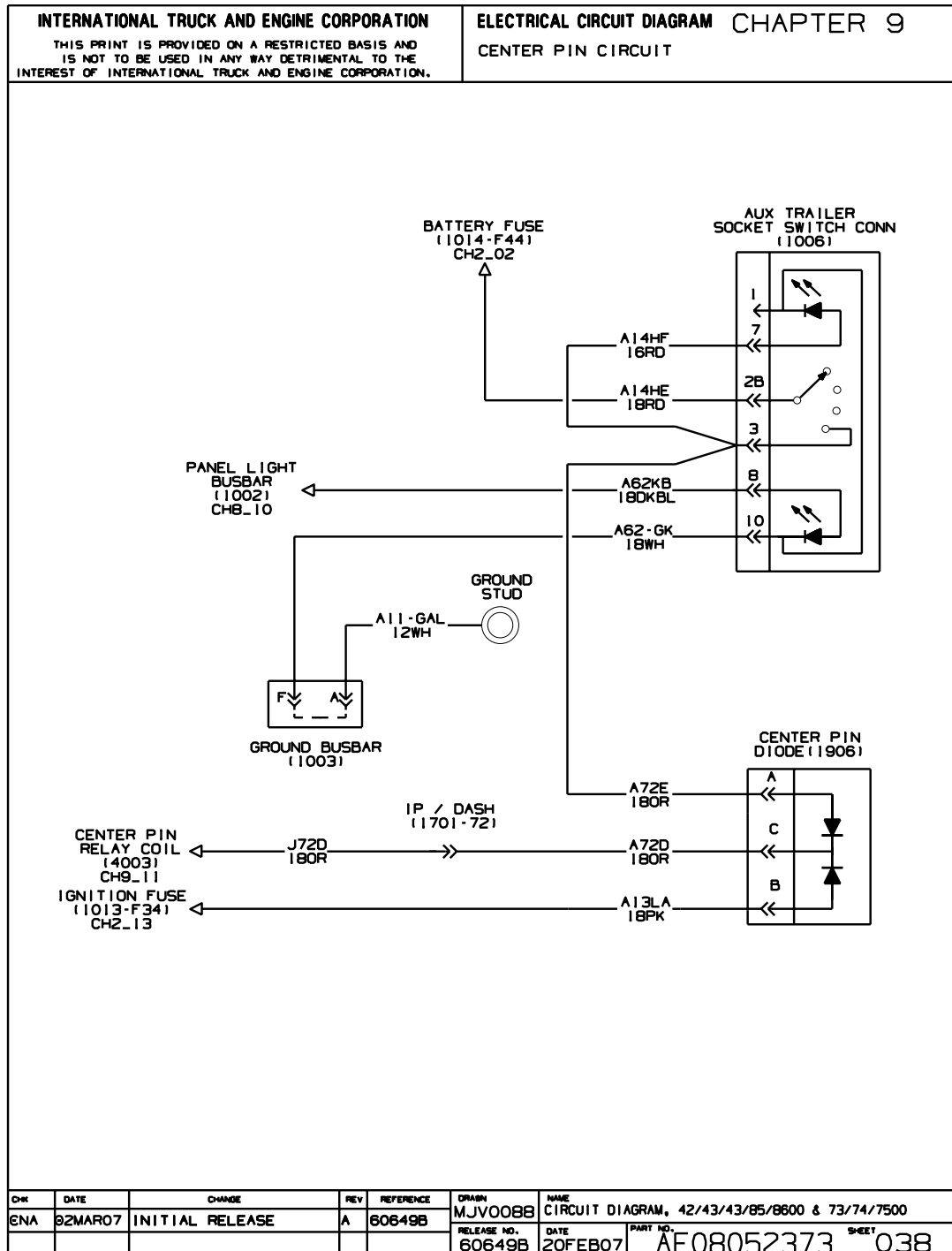


Figure 153 Center Pin Circuit

## 9.40. FIFTH WHEEL CIRCUIT, P. 39

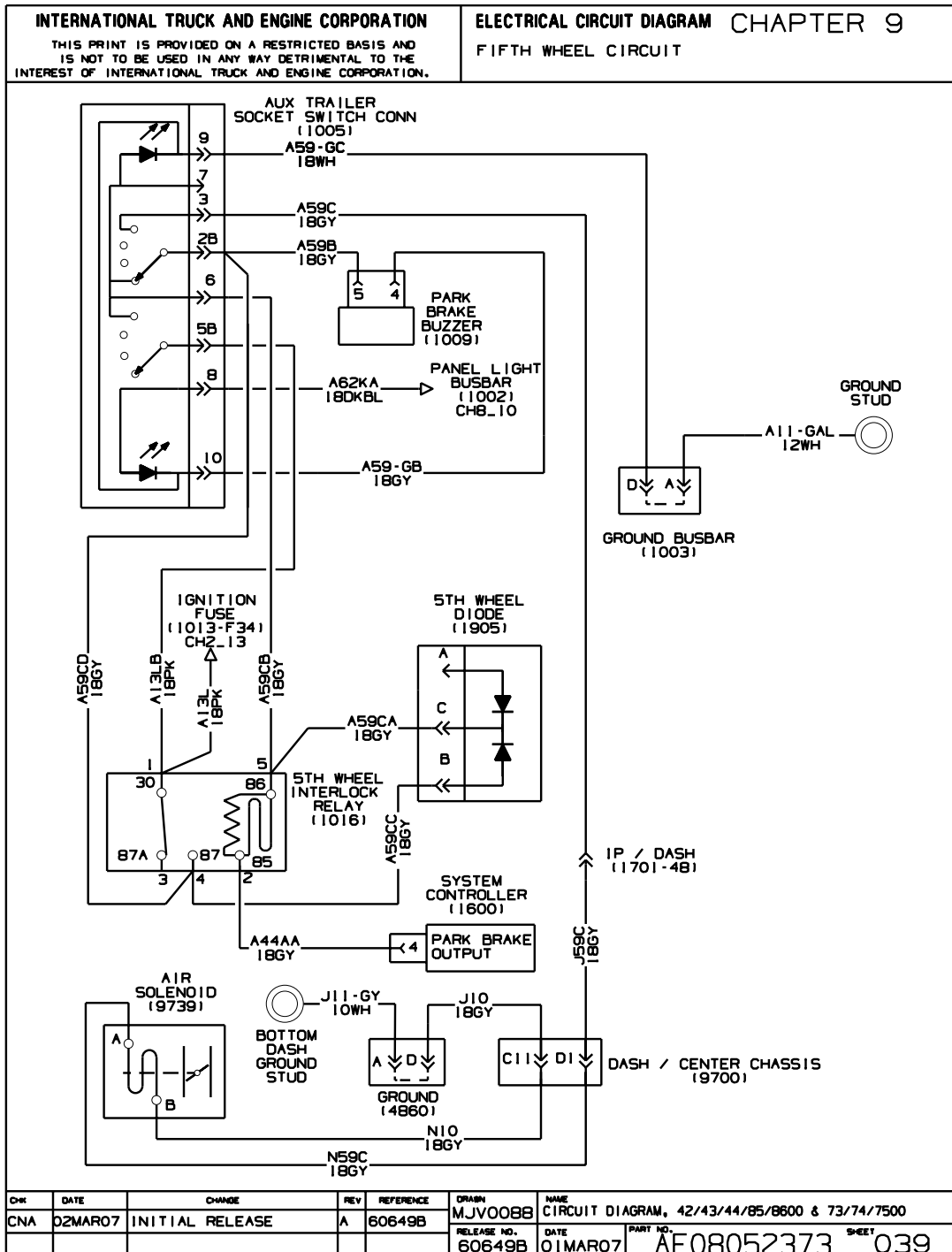


Figure 154 Fifth Wheel Circuit



## 9.41. HYDRAULIC POWER BRAKE WITH SAHR PARK BRAKES, P. 40

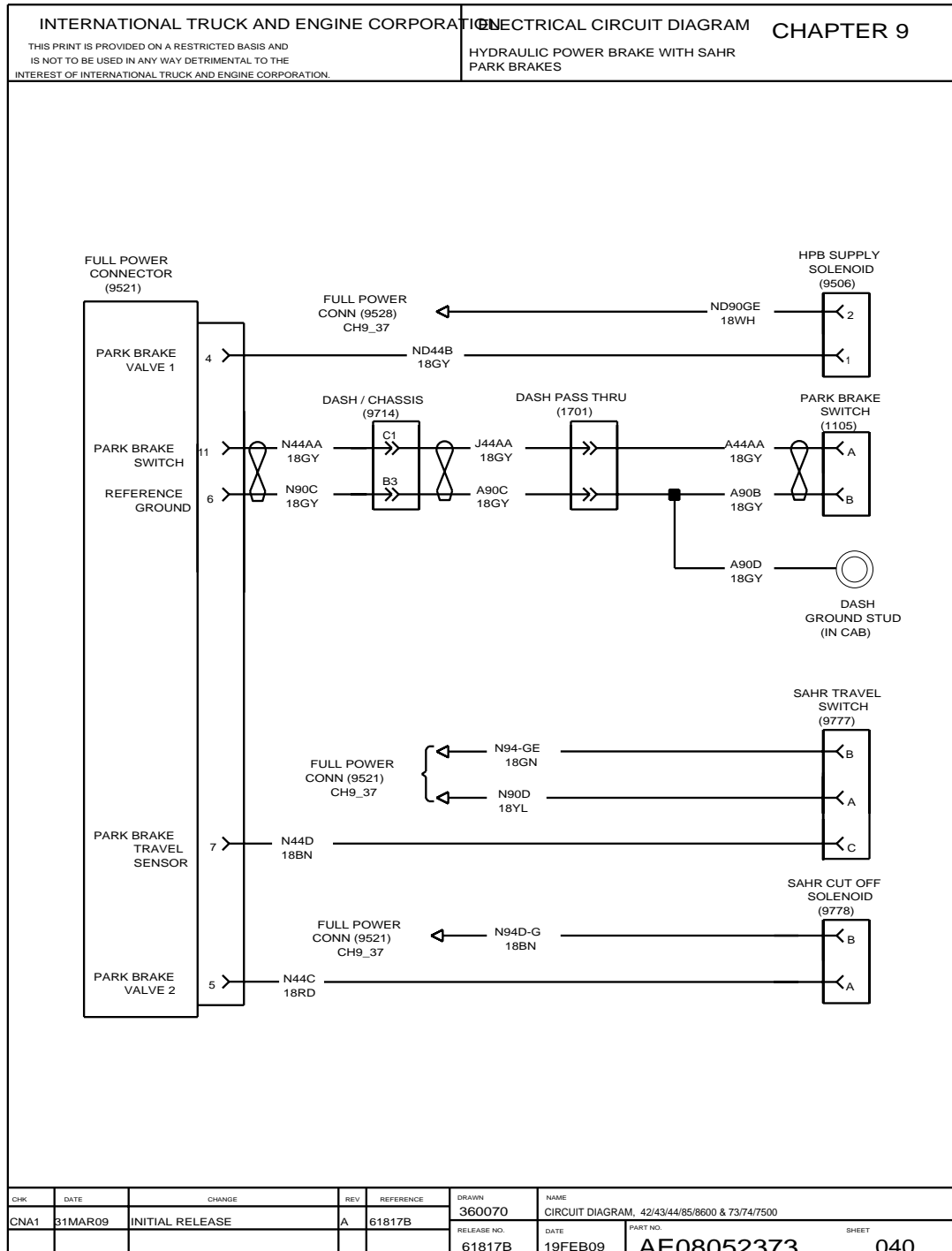


Figure 155 Hydraulic Power Brake with SAHR Park Brakes



### 9.43. ELECTRIC AIR COMPRESSOR, P. 42

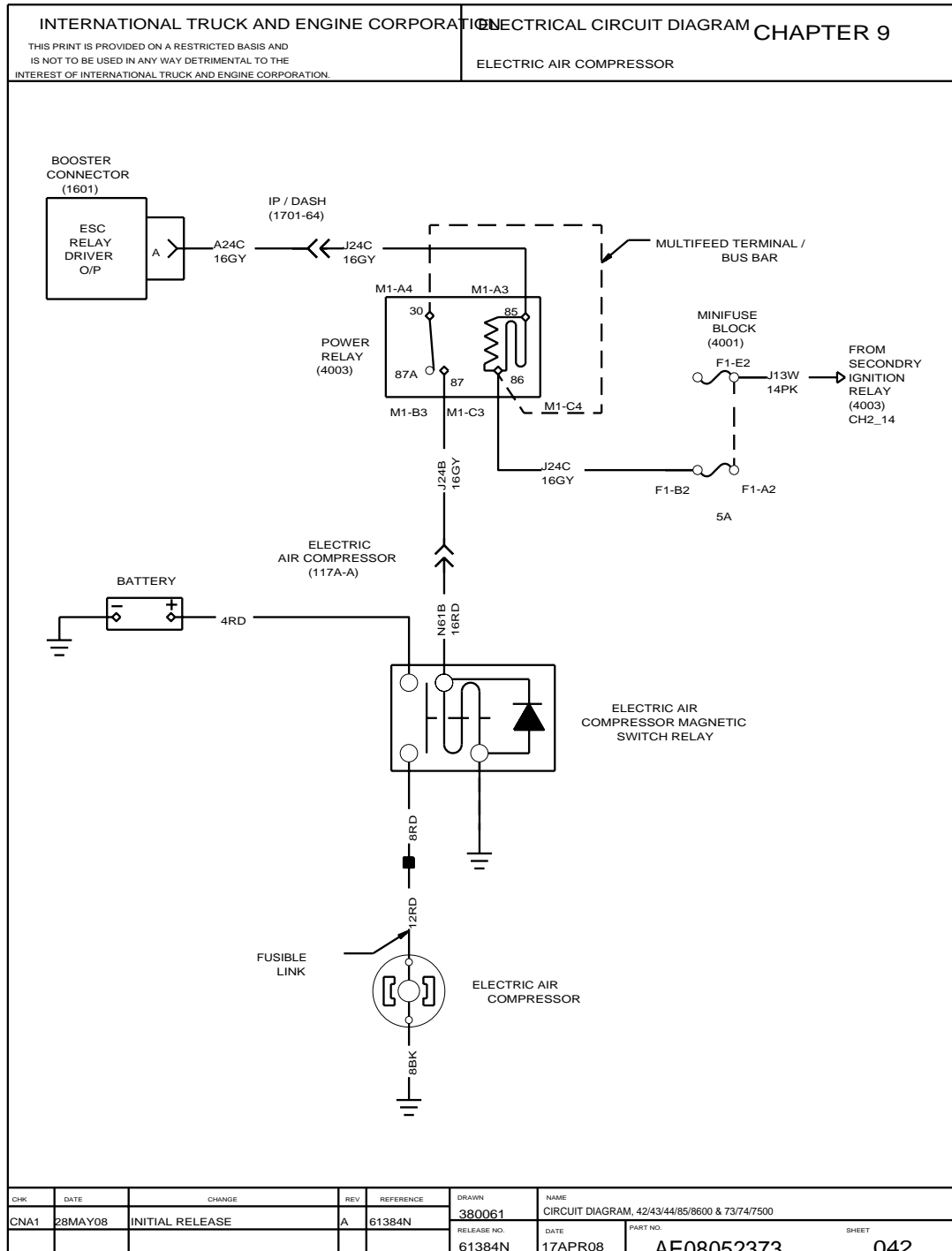


Figure 157 Electric Air Compressor

## 10. TRANSMISSIONS (CHAPTER 10)

### 10.1. ALLISON GEN4 LCT TRANSMISSION OR ALLISON 1000, 2000, 2400, P. 1

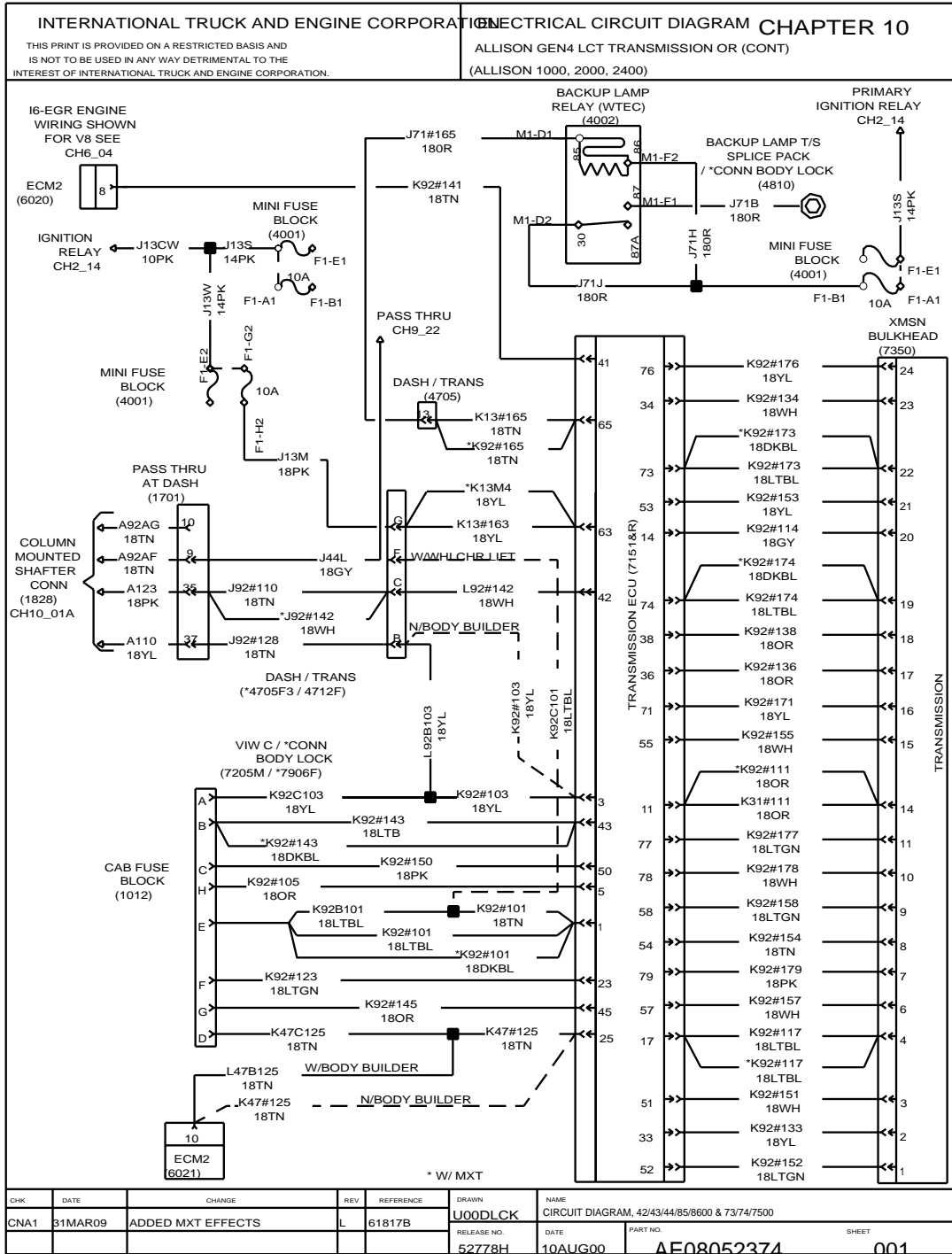
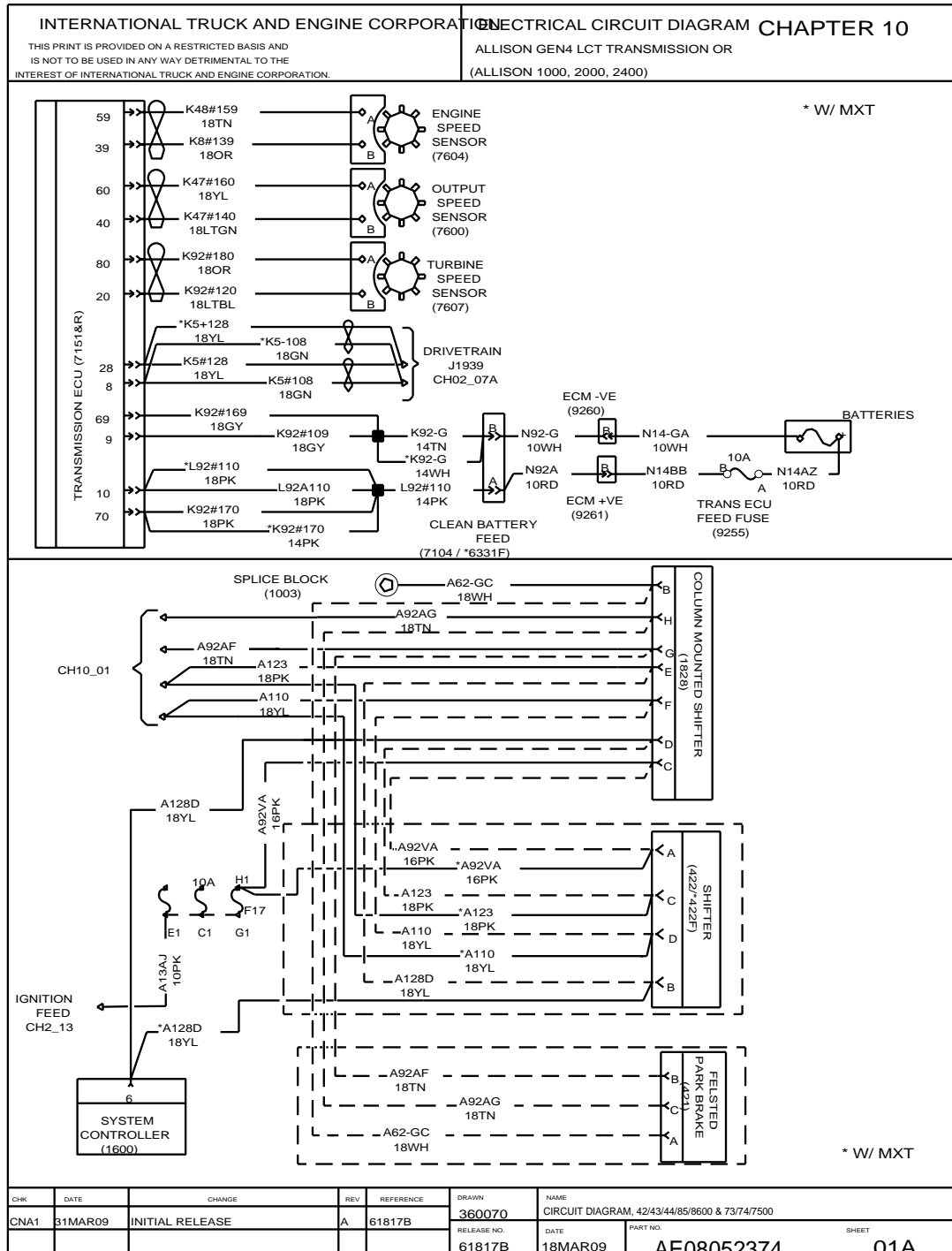


Figure 158 Allison GEN4 LCT Transmission or Allison 1000, 2000, 2400

**3200, 4100, 4200, 4300, 4400, 7300, 7400, 7500, 7600, 7700, 8500, 8600, MXT, RXT**  
**Models Built Oct. 1, 2005 to Feb. 28, 2007 — ELECTRICAL CIRCUIT DIAGRAMS**

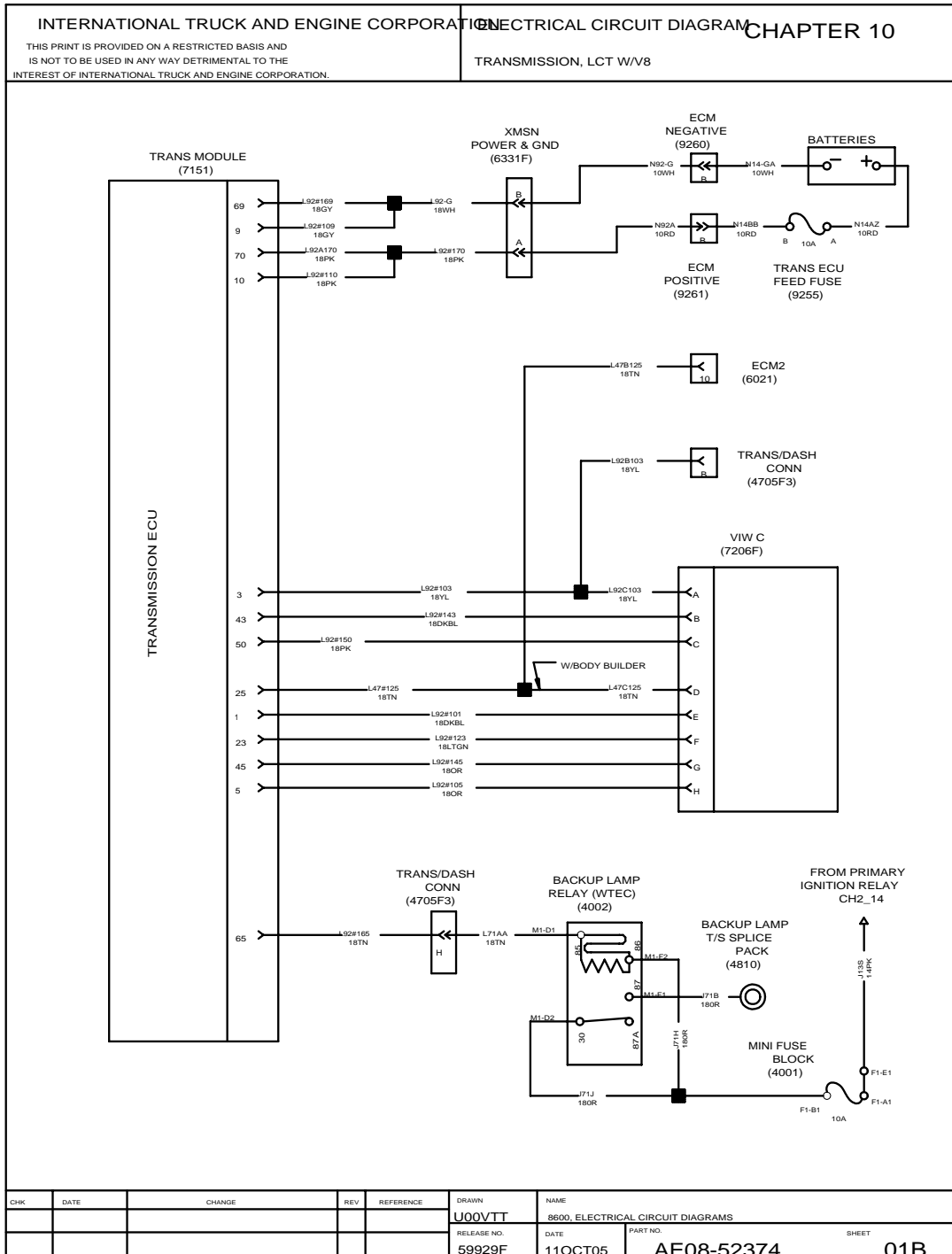
159

## 10.2. ALLISON GEN4 LCT TRANSMISSION OR ALLISON 1000, 2000, 2400, P. 1A



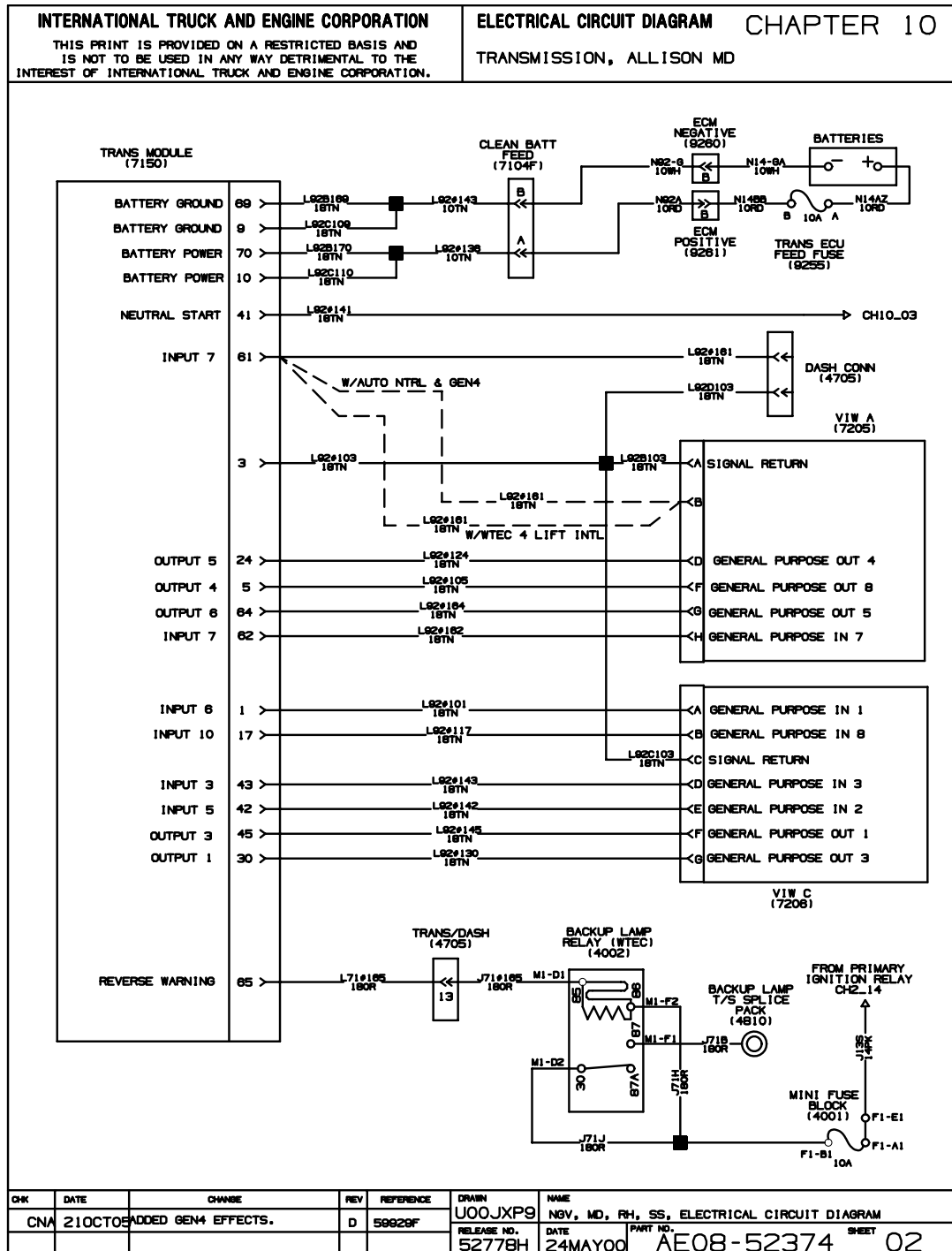
**Figure 159 Allison GEN4 LCT Transmission or Allison 1000, 2000, 2400**

### 10.3. TRANSMISSION, LCT WITH V8, P. 1B



**Figure 160 Transmission, LCT with V8**

## 10.4. ALLISON MD TRANSMISSION, P. 2



**Figure 161 Allison MD Transmission**

## 10.5. ALLISON GEN4 MD TRANSMISSION (WTEC), P. 3

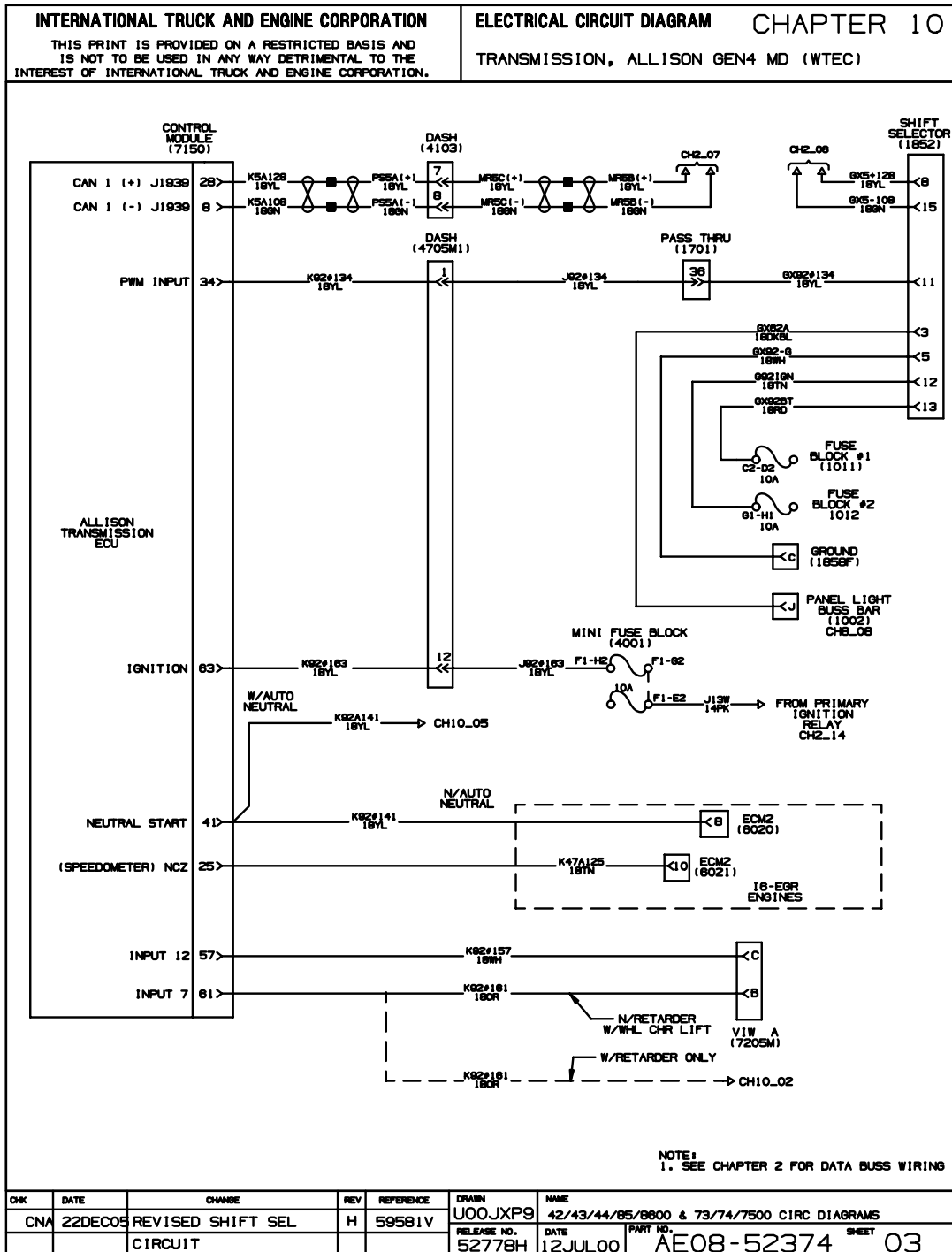


Figure 162 Allison MD Transmission (WTEC)



## 10.6. ALLISON MD TRANSMISSION (CONT.), P. 4

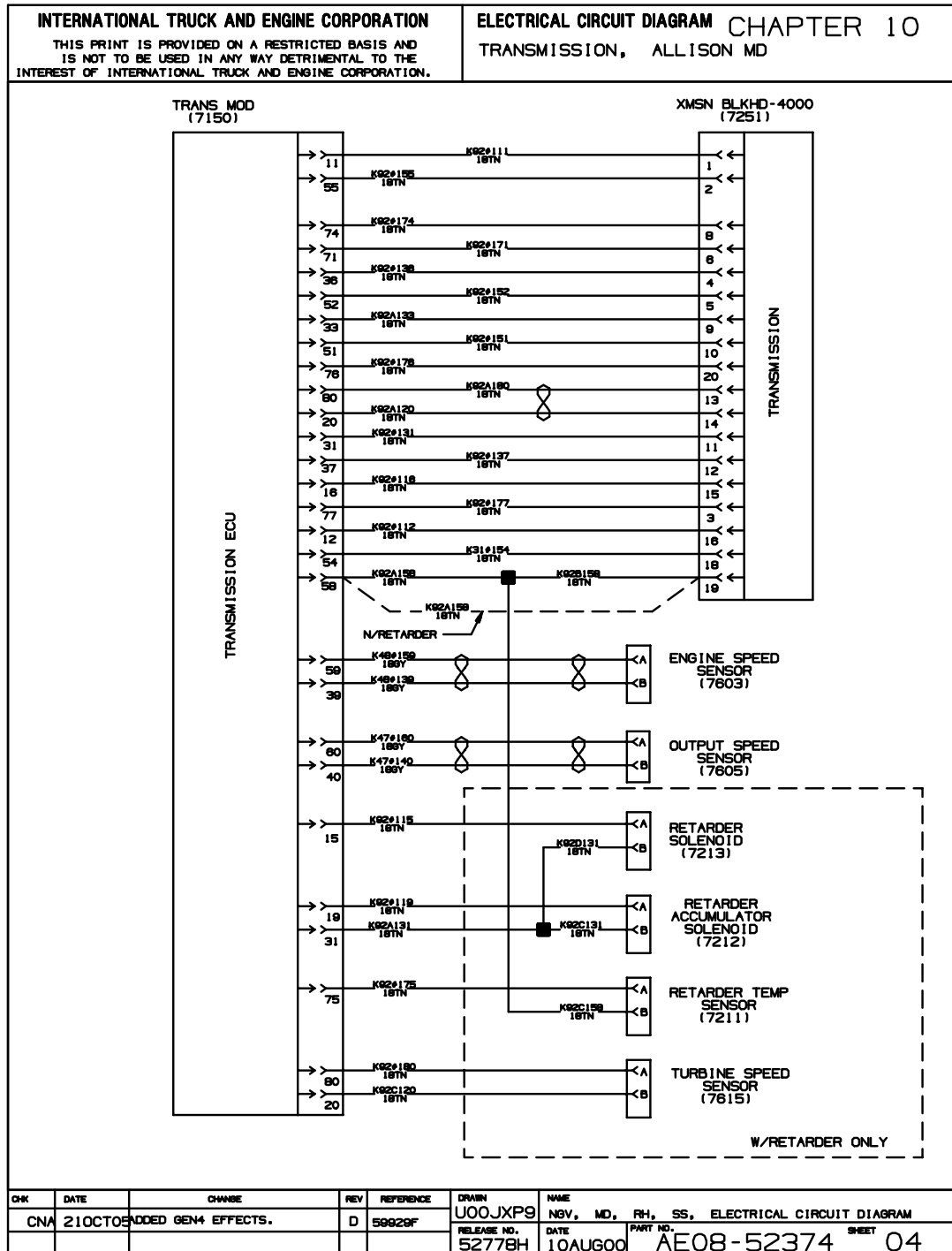


Figure 163 Allison MD Transmission (Cont.)

## 10.7. TRANSMISSION, WTEC MD W/AUTO NEUTRAL, P. 5

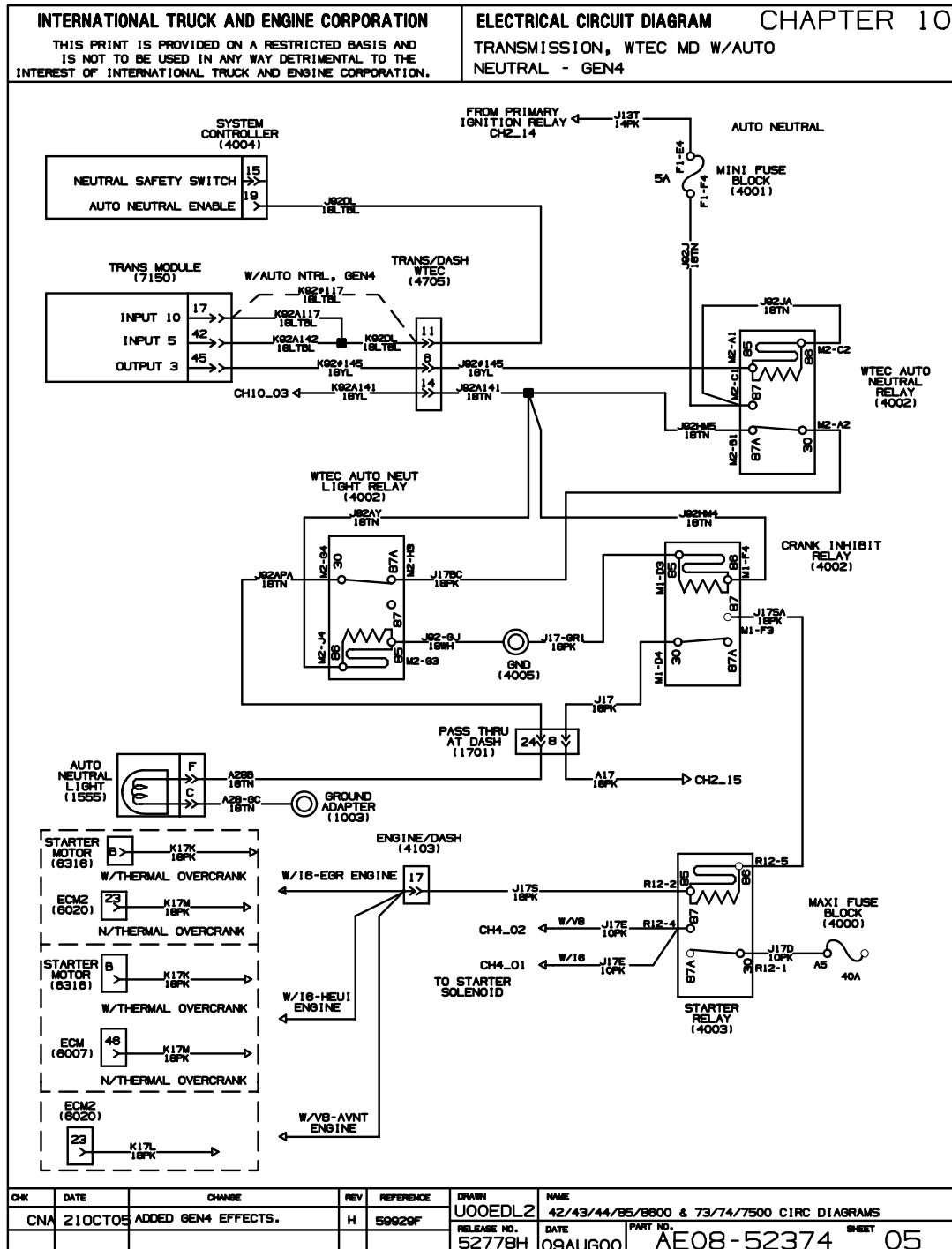


Figure 164 Transmission, WTEC MD W/Auto Neutral

## 10.8. TRANSMISSION, WTEC WITH V8, P. 5A

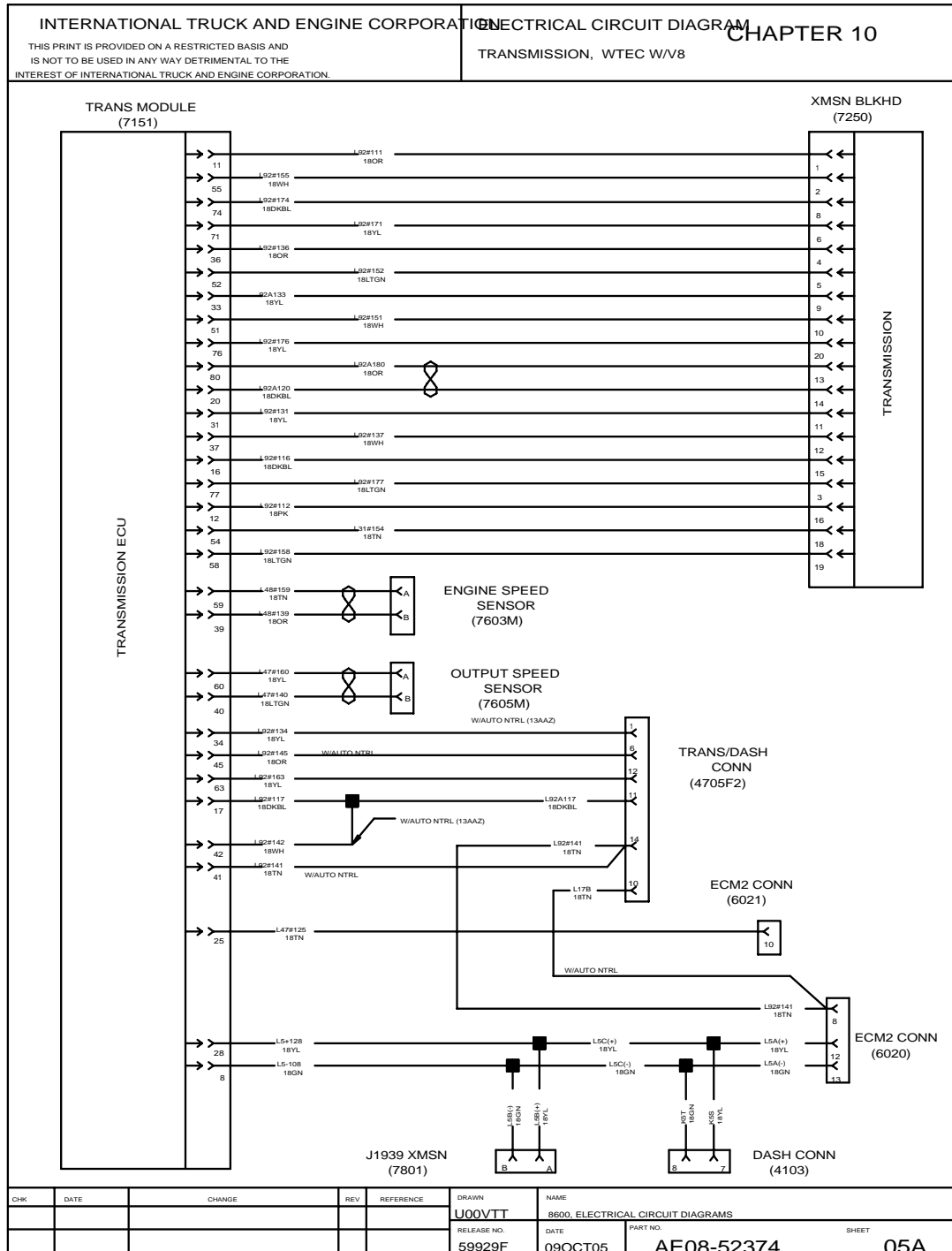


Figure 165 Transmission, WTEC with V8

## 10.9. TRANSMISSION, WTEC WITH V8, P. 5B

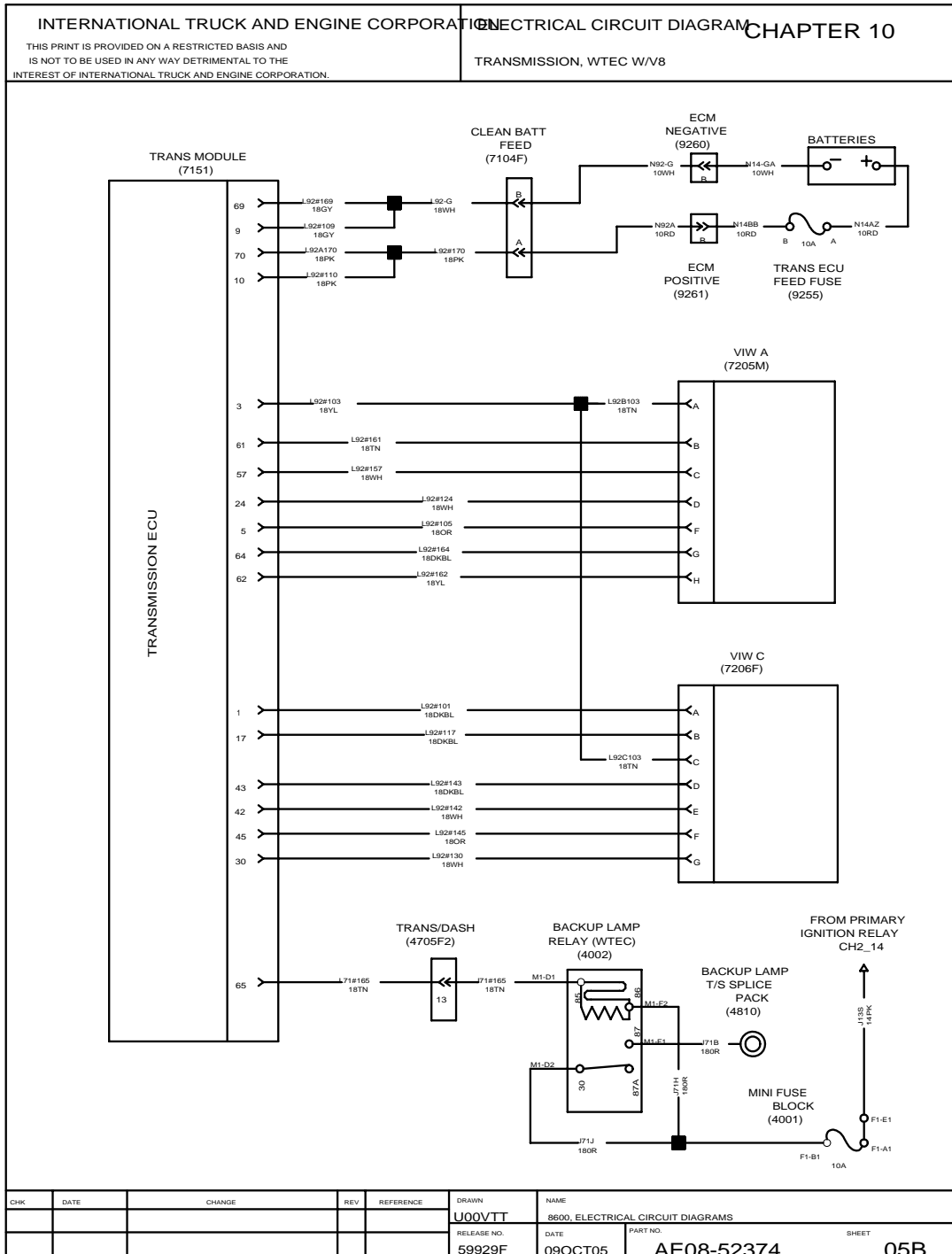
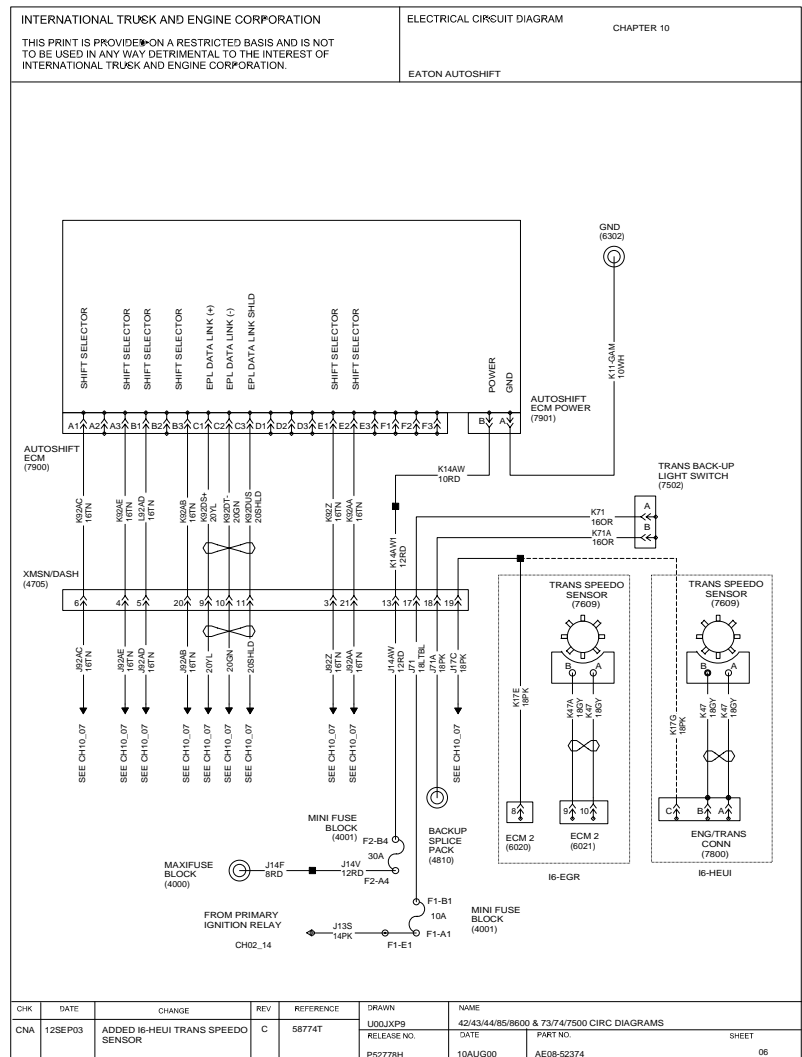


Figure 166 Transmission, WTEC with V8

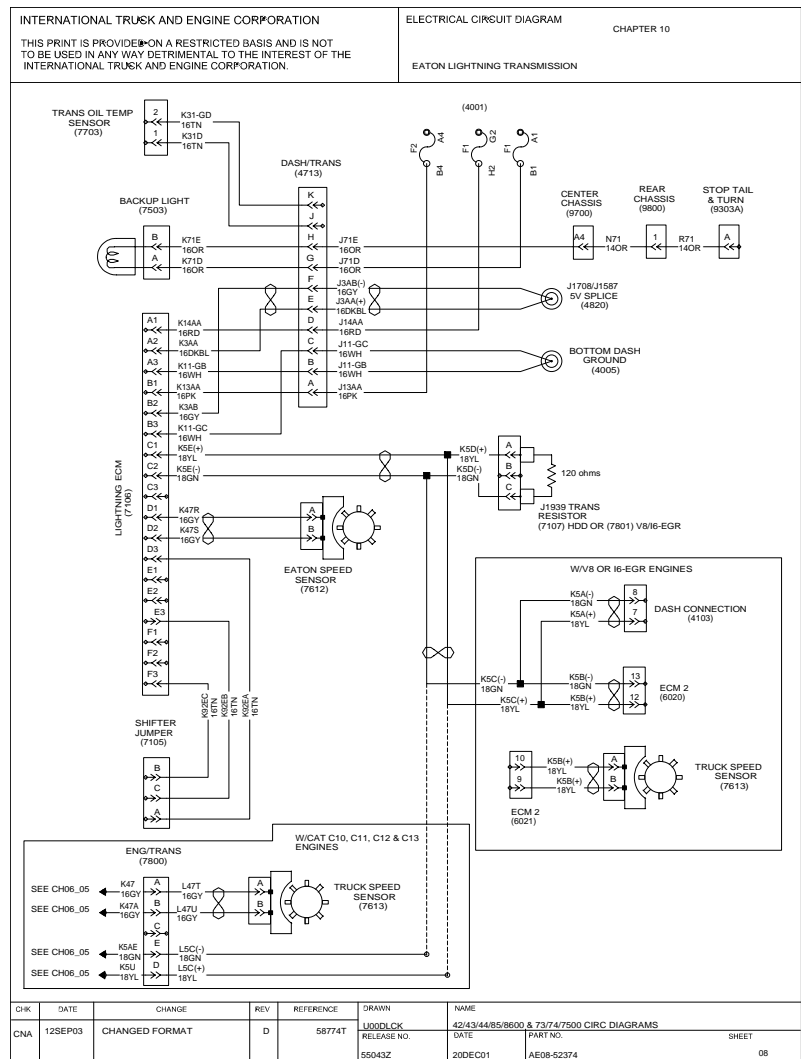
## 10.10. EATON AUTOSHIFT TRANSMISSION, P. 6



### Figure 167 Eaton Autoshift Transmission



## 10.12. EATON LIGHTNING TRANSMISSION, P. 8



### Figure 169 Eaton Lightning Transmission

## 10.13. ALLISON HD TRANSMISSION, P. 9

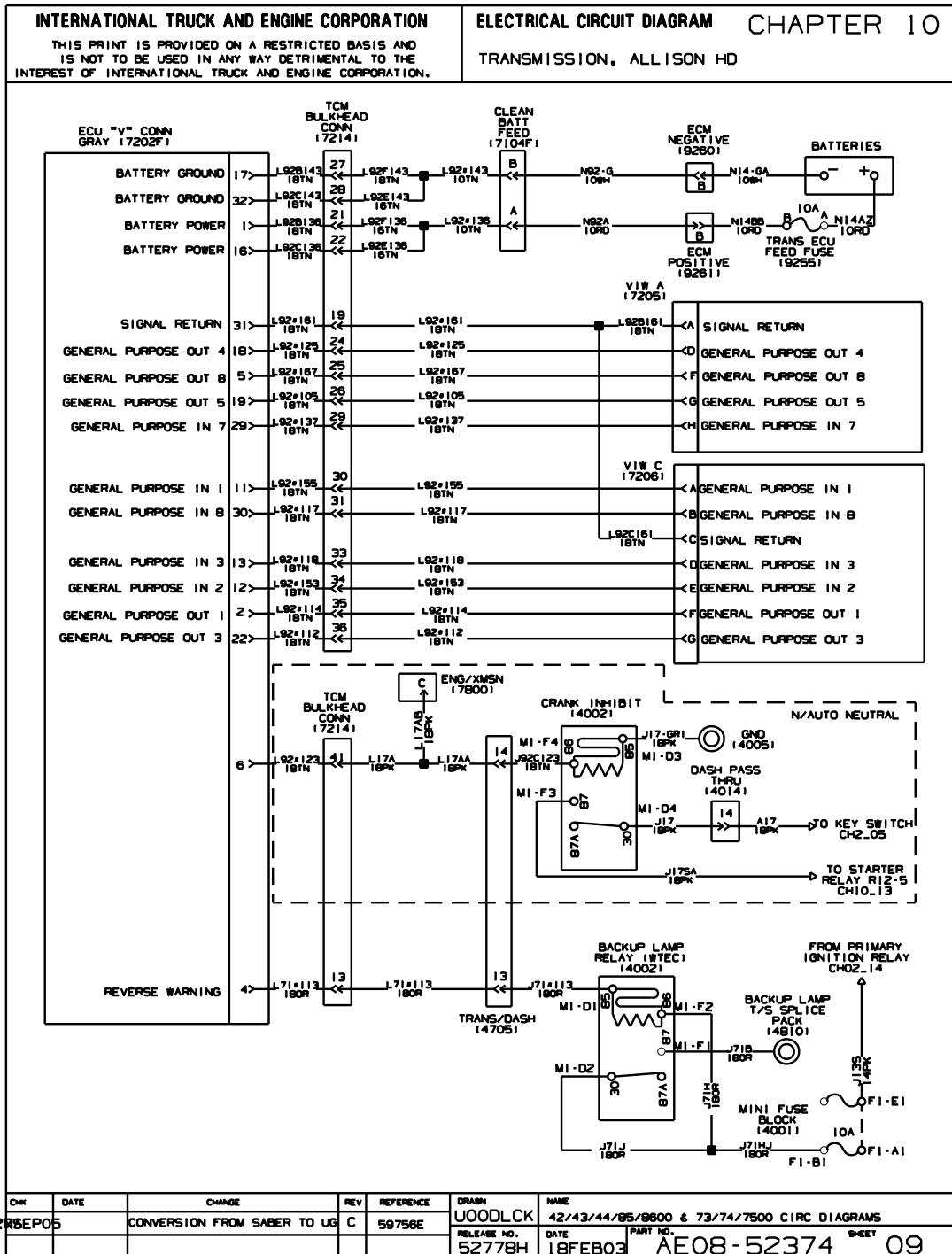


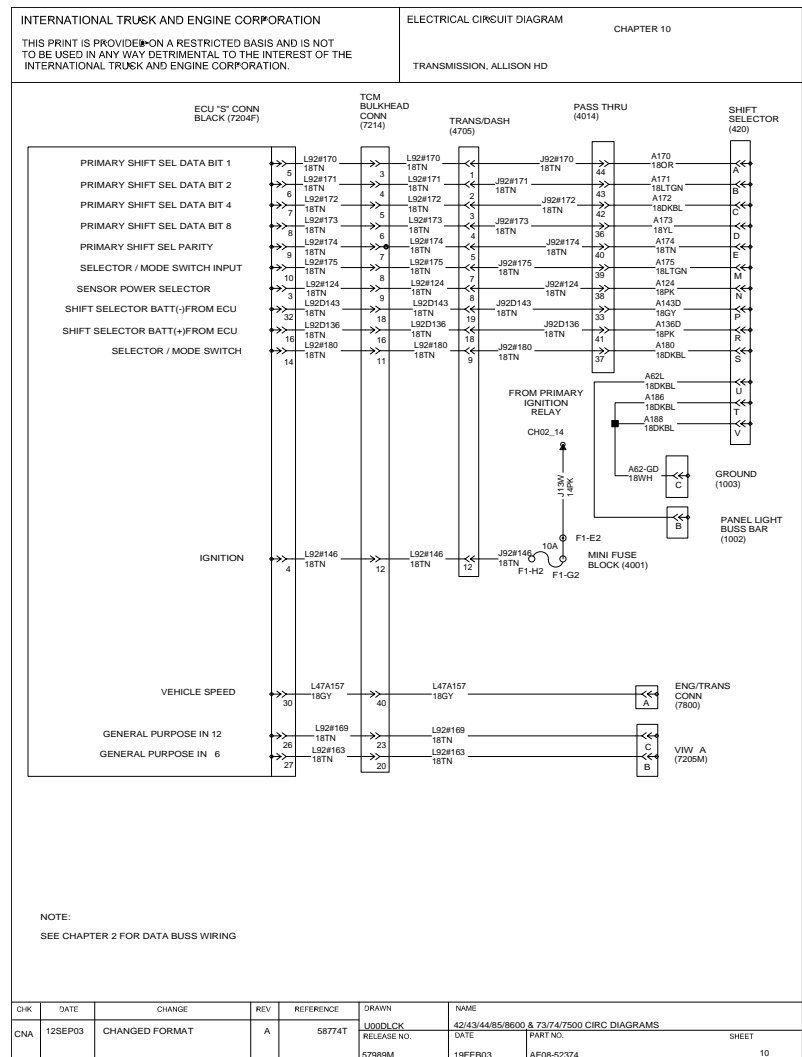
Figure 170 Allison HD Transmission



**3200, 4100, 4200, 4300, 4400, 7300, 7400, 7500, 7600, 7700, 8500, 8600, MXT, RXT**  
**Models Built Oct. 1, 2005 to Feb. 28, 2007 — ELECTRICAL CIRCUIT DIAGRAMS**

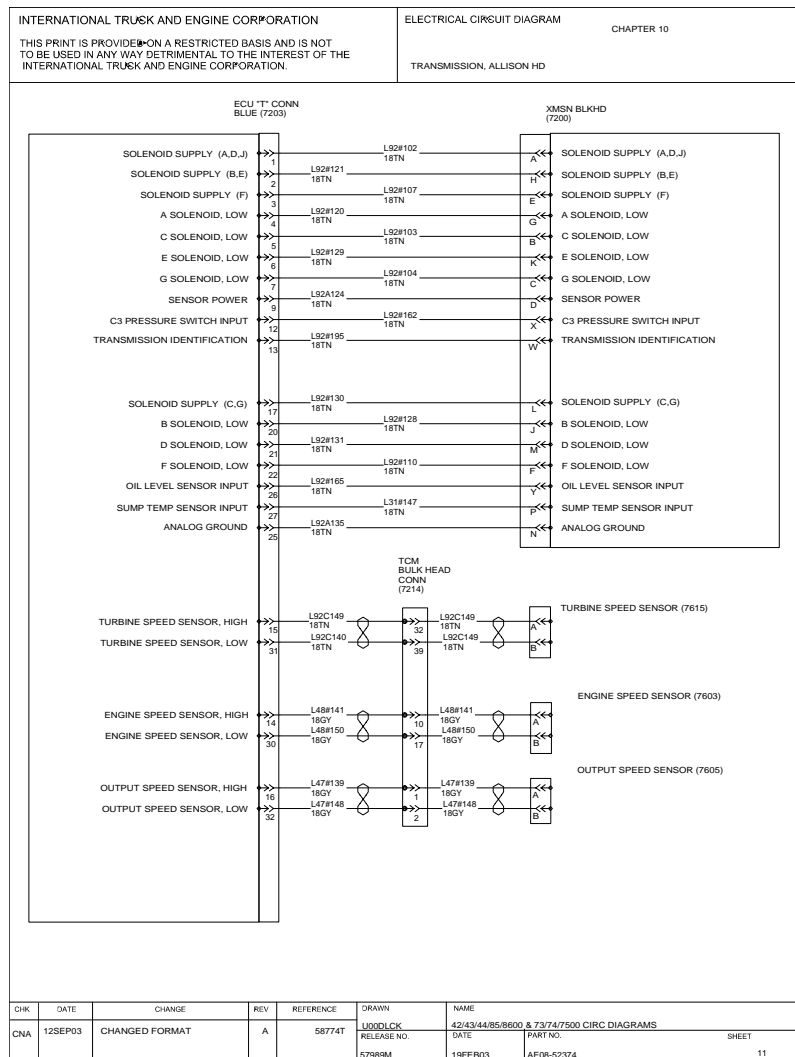
171

## 10.14. ALLISON HD TRANSMISSION, P. 10



**Figure 171 Allison HD Transmission (Cont.)**

## 10.15. ALLISON HD TRANSMISSION, P. 11



**Figure 172 Allison HD Transmission (Cont.)**

## 10.16. ALLISON HD TRANSMISSION WITH AUTO NEUTRAL, P. 12

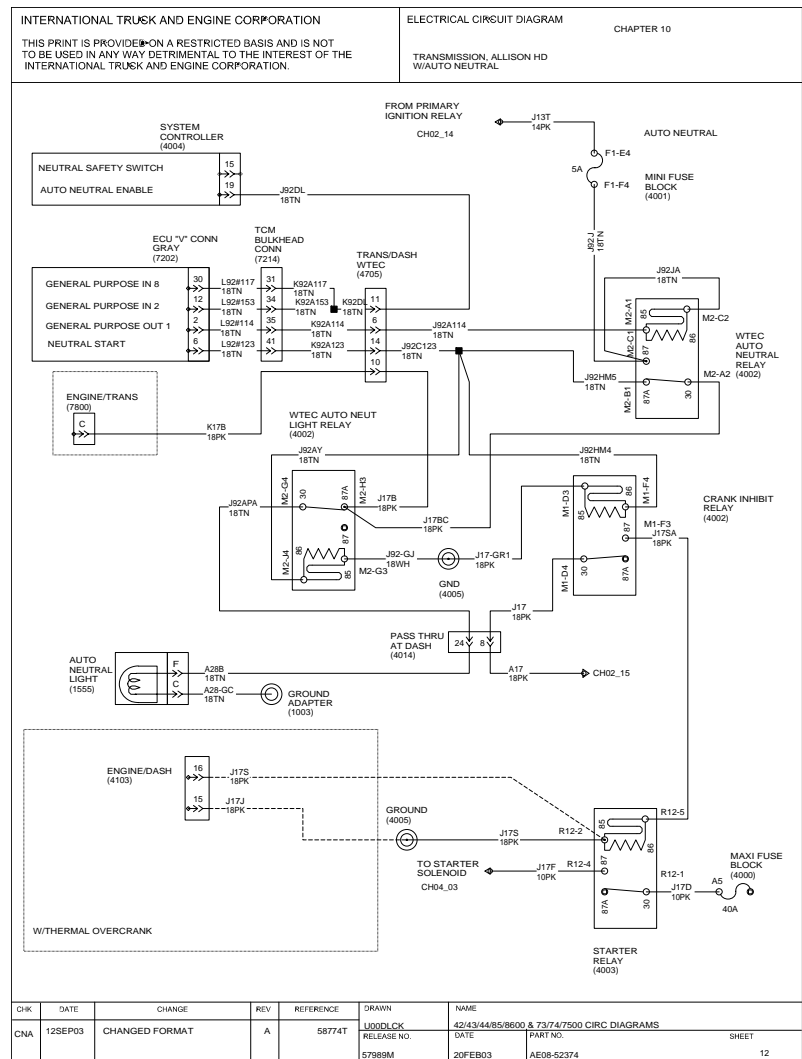
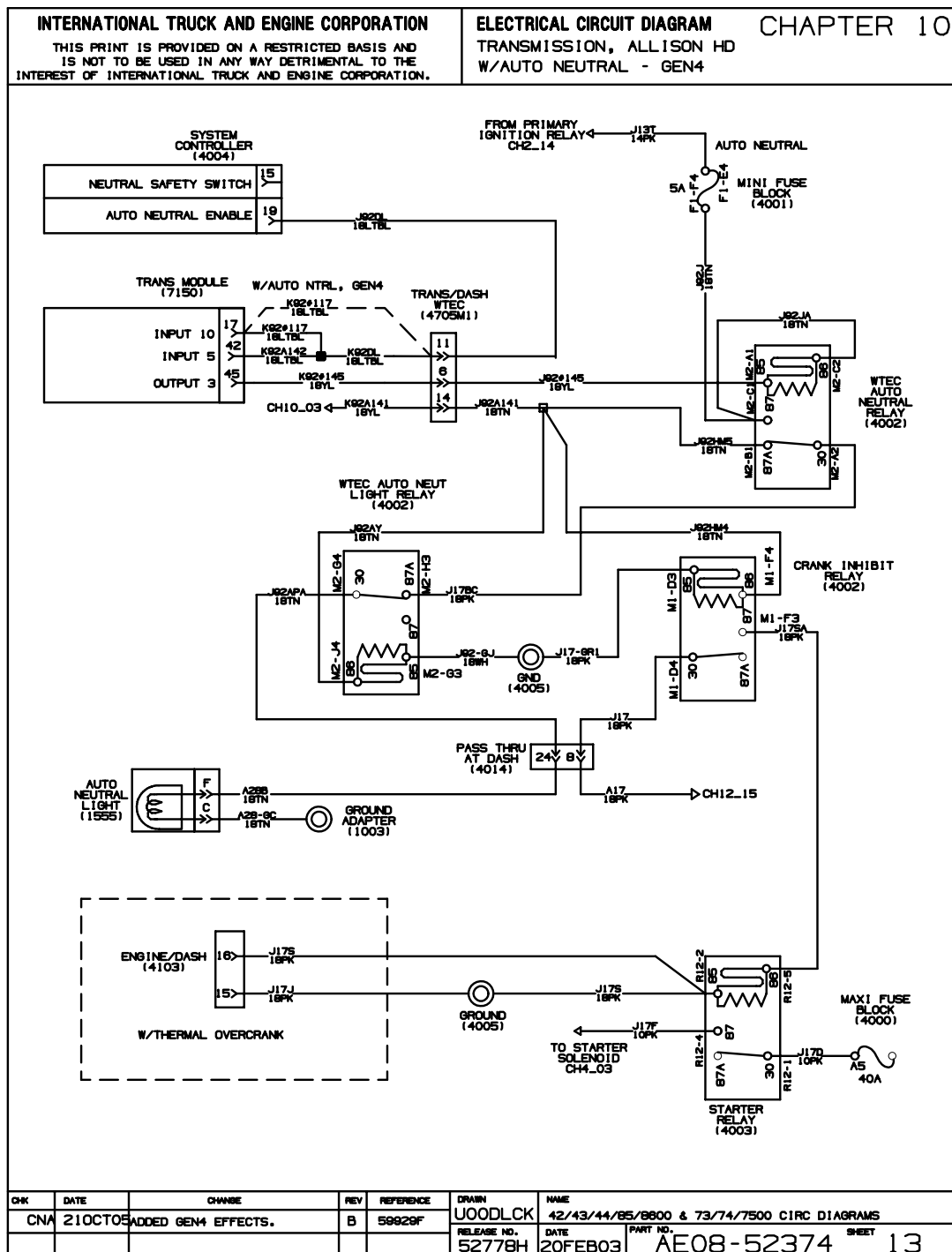


Figure 173 Allison HD Transmission With Auto Neutral

## 10.17. ALLISON HD TRANSMISSION WITH AUTO NEUTRAL — GEN4, P. 13



**Figure 174 Allison HD Transmission With Auto Neutral — GEN4**

# 10.18. ALLISON LCT TRANSMISSION (ALLISON 1000, 2000, 2400) WITH I6 HEUI, P. 14

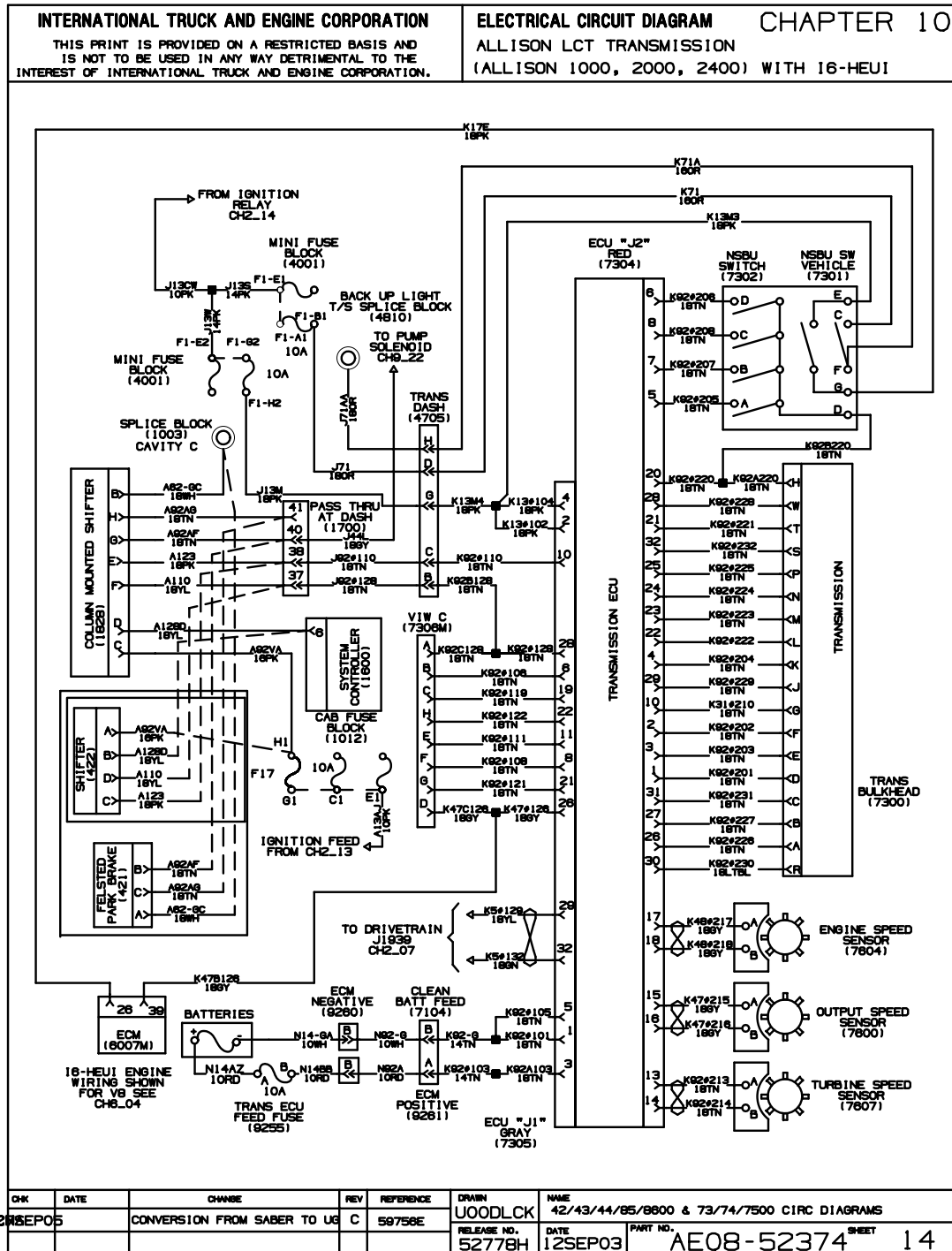
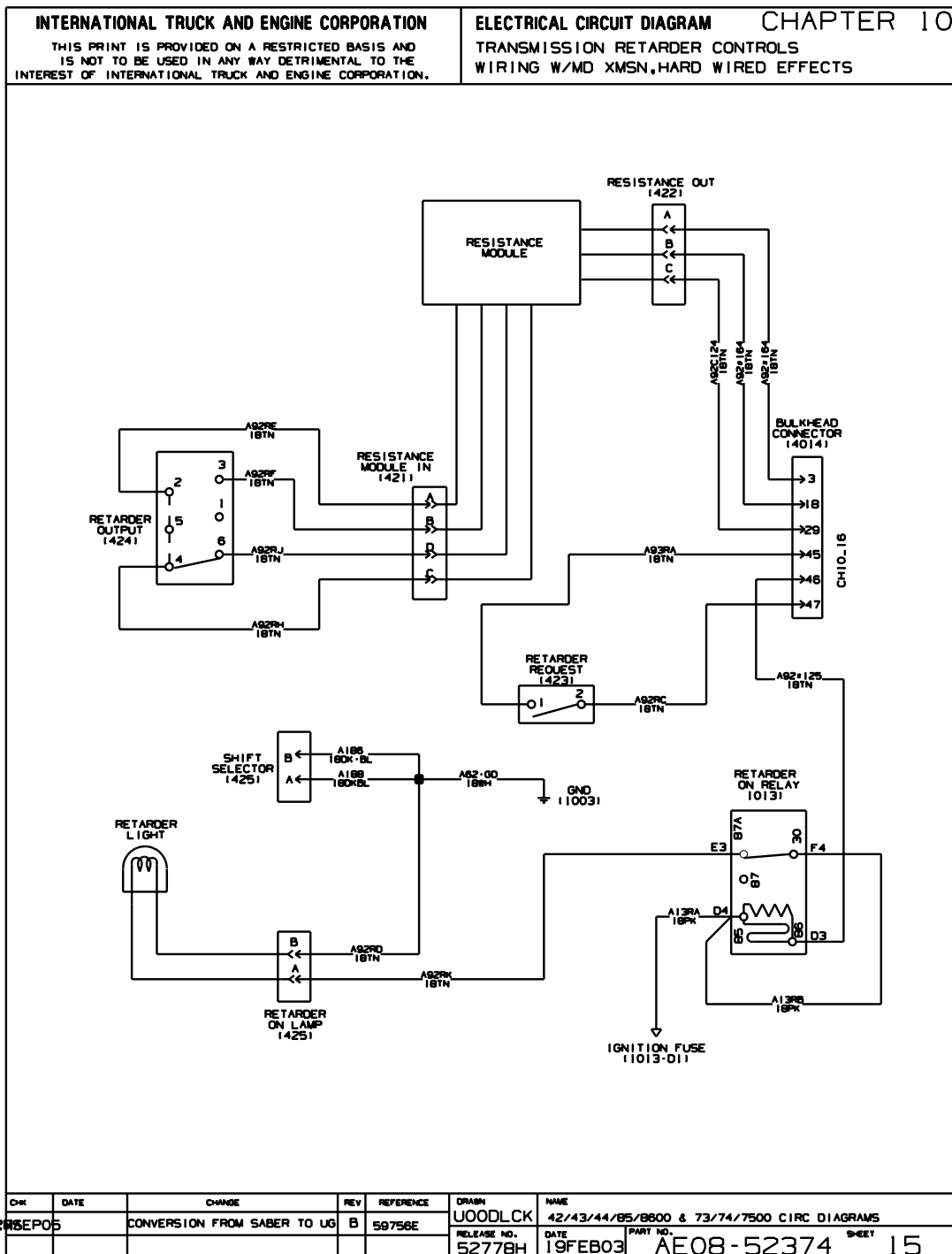
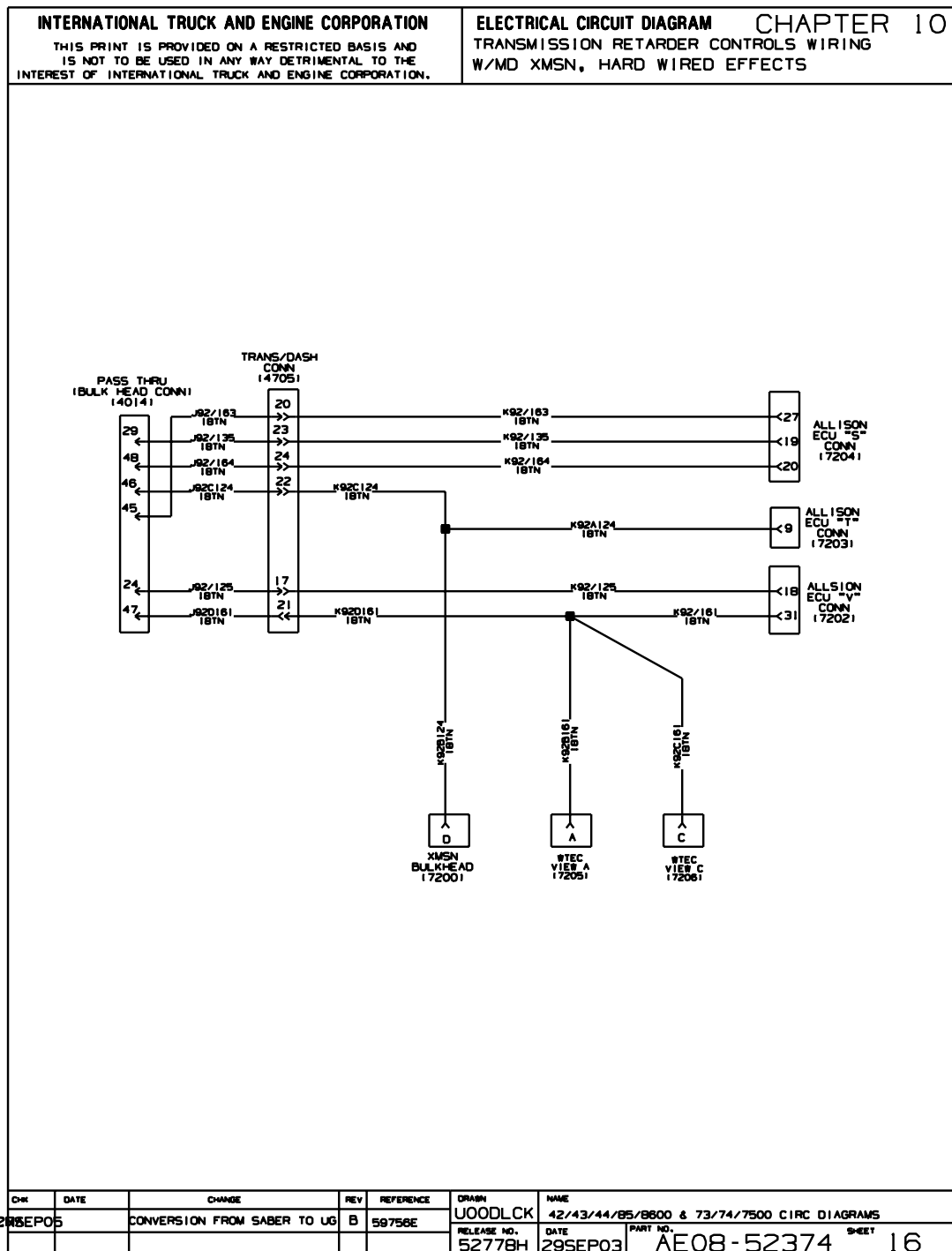


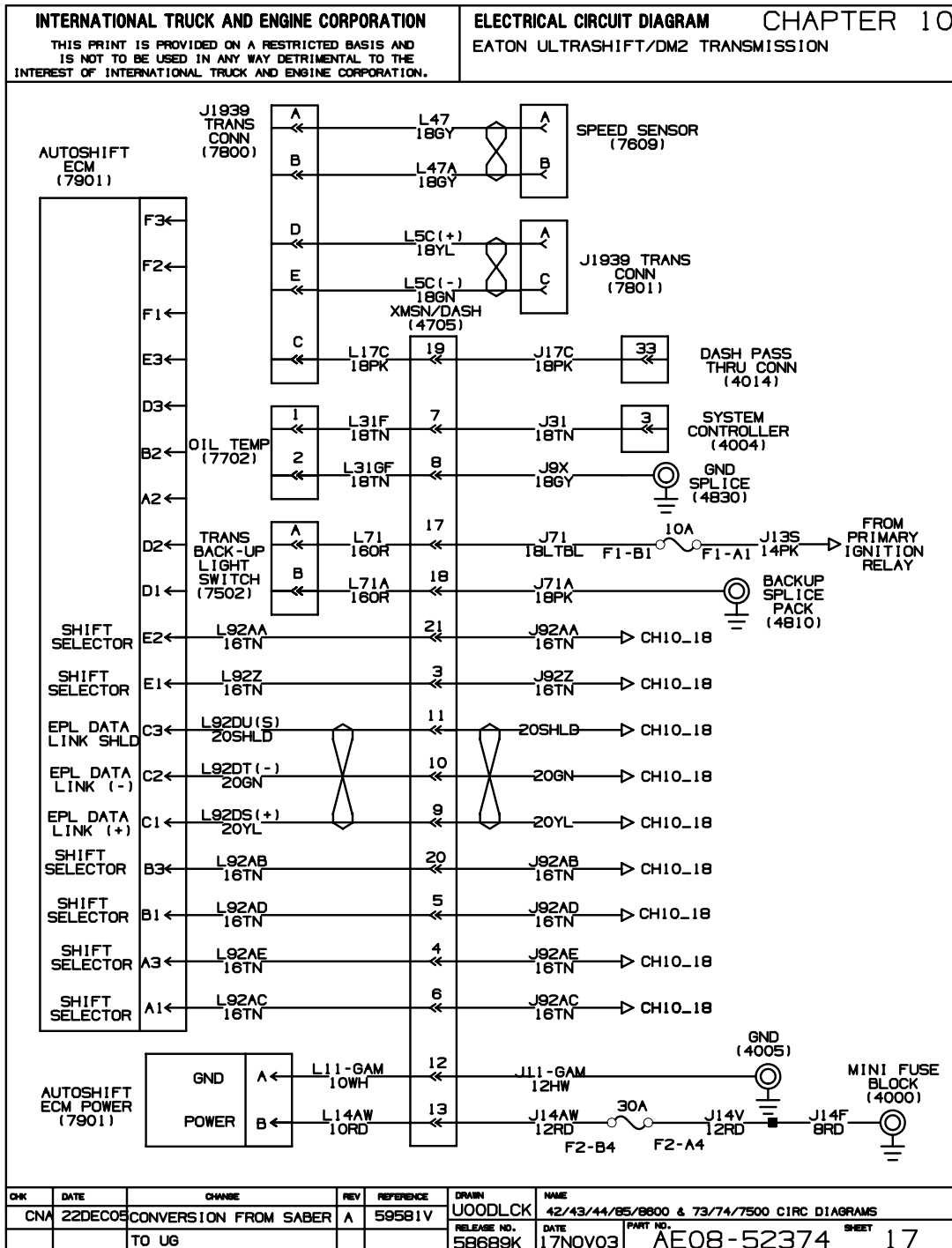
Figure 175 Allison LCT Transmission (Allison 1000, 2000, 2400) with I6 HEUI

## 10.19. TRANSMISSION RETARDER CONTROL WIRING WITH MD XMSN, HARD WIRED EFFECTS, P. 15



### Figure 176 Transmission Retarder Control Wiring with MD Transmission, Hard Wired Effects

**10.20. TRANSMISSION RETARDER CONTROL WIRING WITH MD XMSN, HARD WIRED EFFECTS, P. 16****Figure 177 Transmission Retarder Control Wiring with MD Transmission, Hard Wired Effects**

**10.21. EATON ULTRASHIFT/DM2, P. 17**

**Figure 178 Eaton Ultrashift/DM2**



## 10.22. EATON ULTRASHIFT/DM2 (CONT.), P. 18

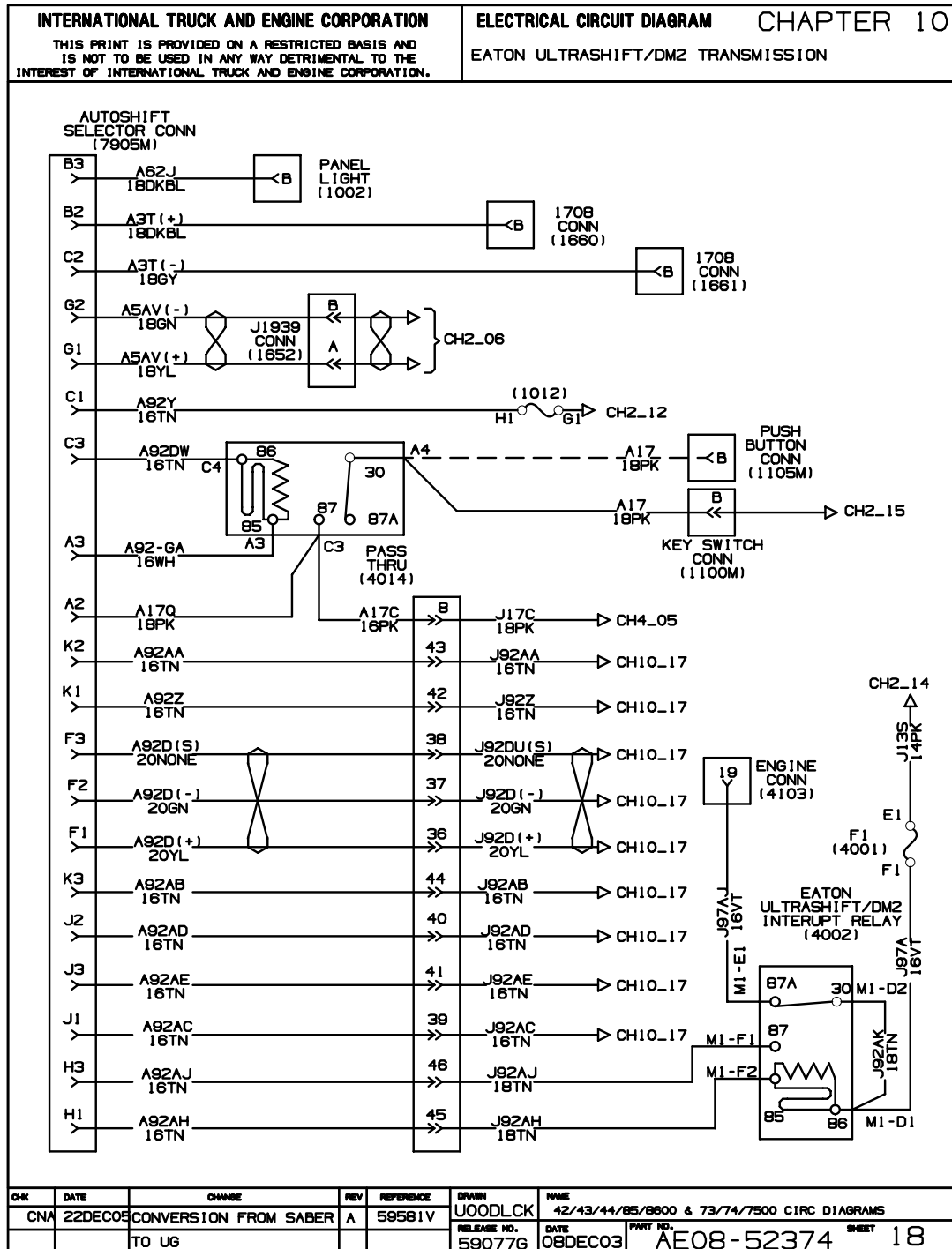


Figure 179 Eaton Ultrashift/DM2 (Cont.)

## 10.23. WTEC MD TRANSMISSION WITH AUTO NEUTRAL, P. 19

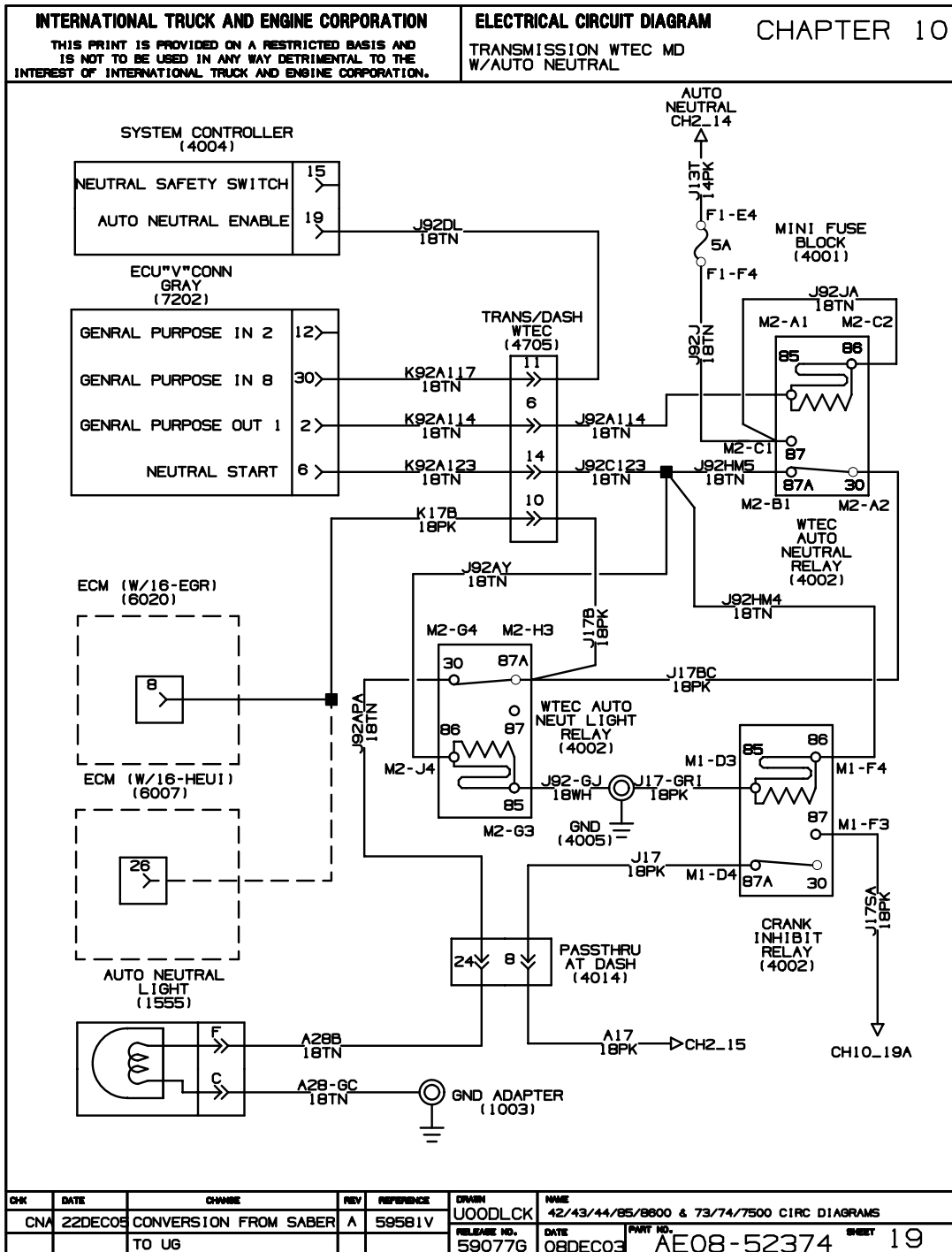


Figure 180 WTEC MD Transmission with Auto Neutral

## 10.24. WTEC MD TRANSMISSION WITH AUTO NEUTRAL AND WITH 0013WUA, P. 19A

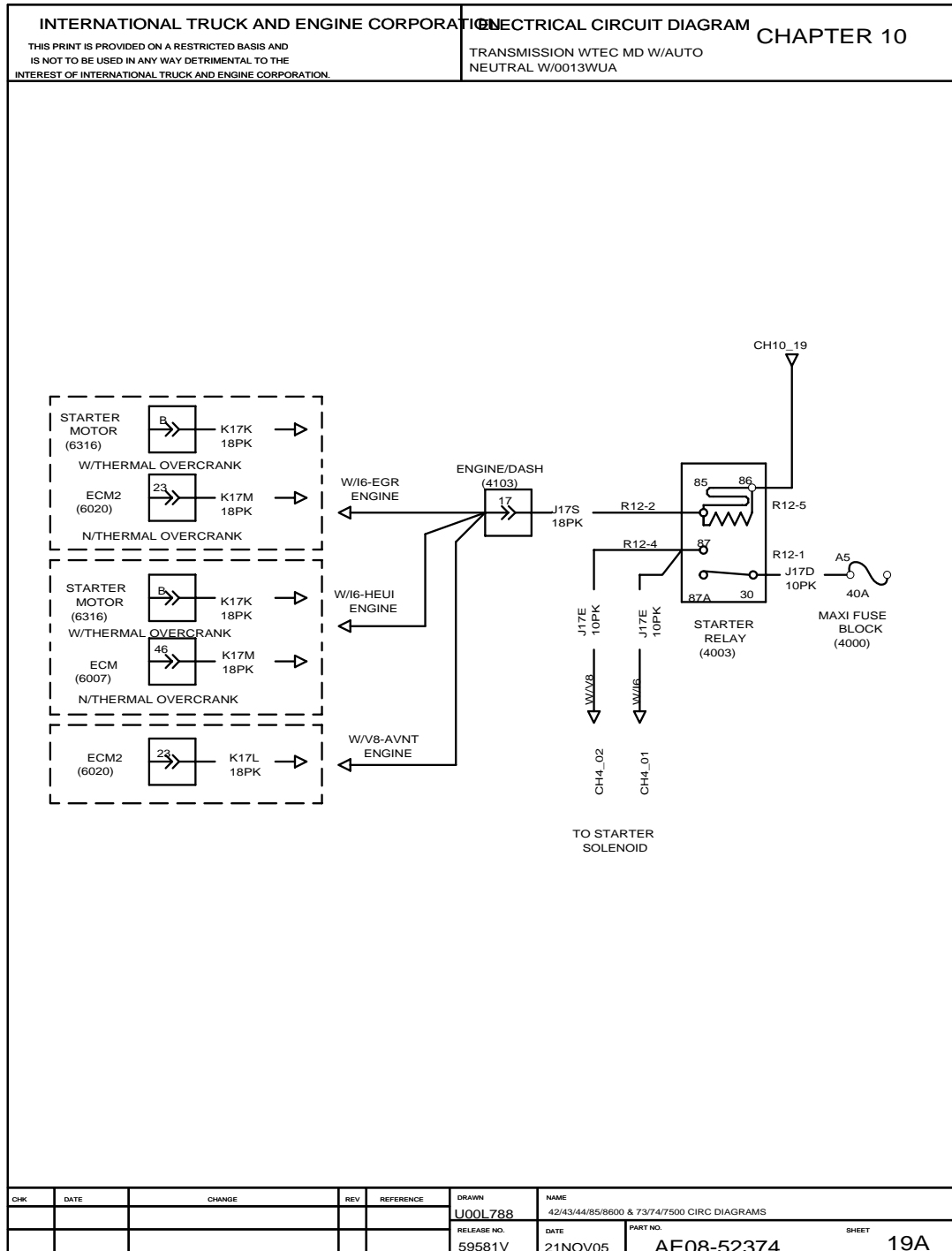


Figure 181 WTEC MD Transmission with Auto Neutral and with 0013WUA

## 10.25. EATON AUTOSHIFT/ULTRASHIFT TRANSMISSION (GEN 3), P. 20

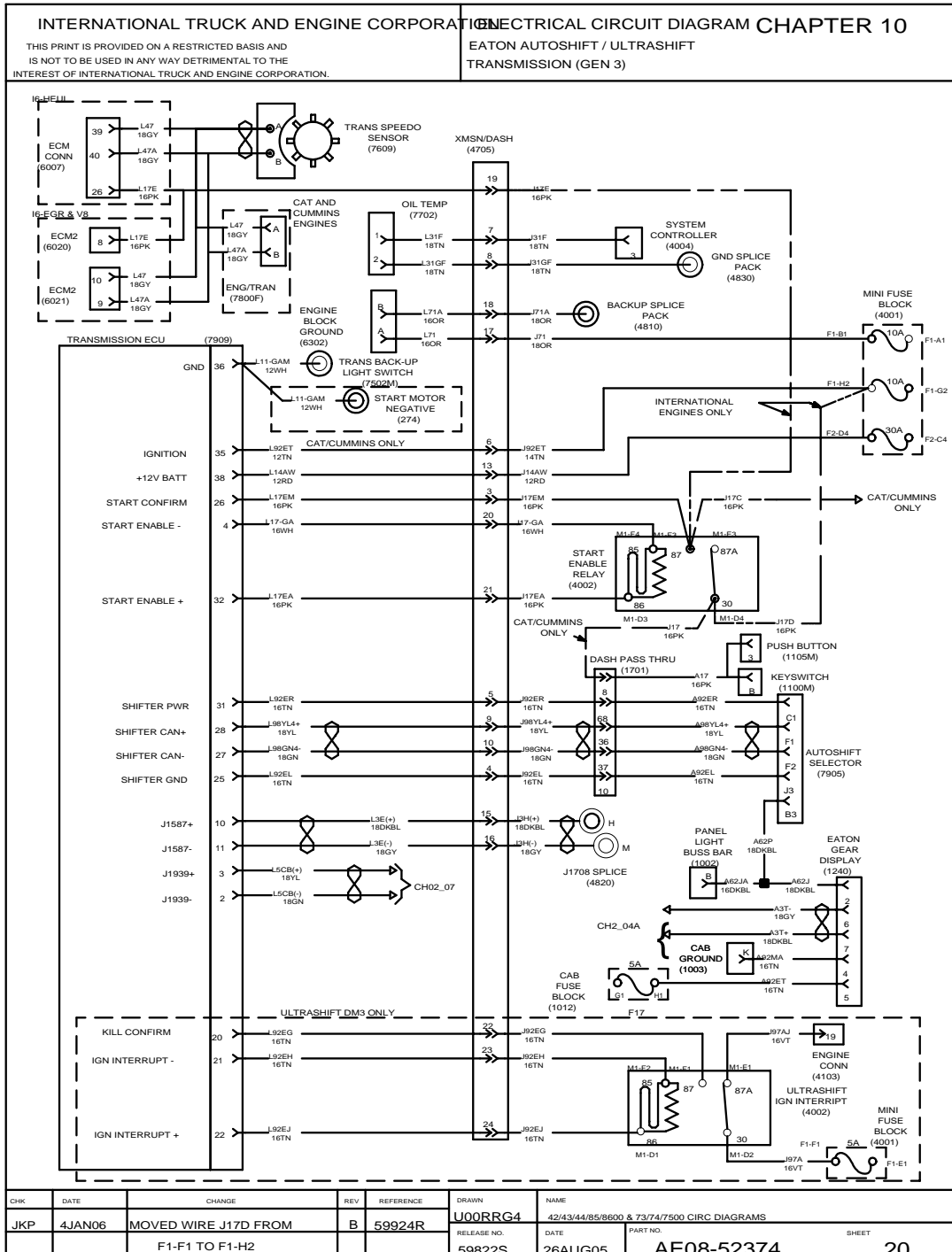


Figure 182 Eaton Autoshift/Ultrashift Transmission (Gen 3)

## 10.26. EATON HYBRID TRANSMISSION, P. 21

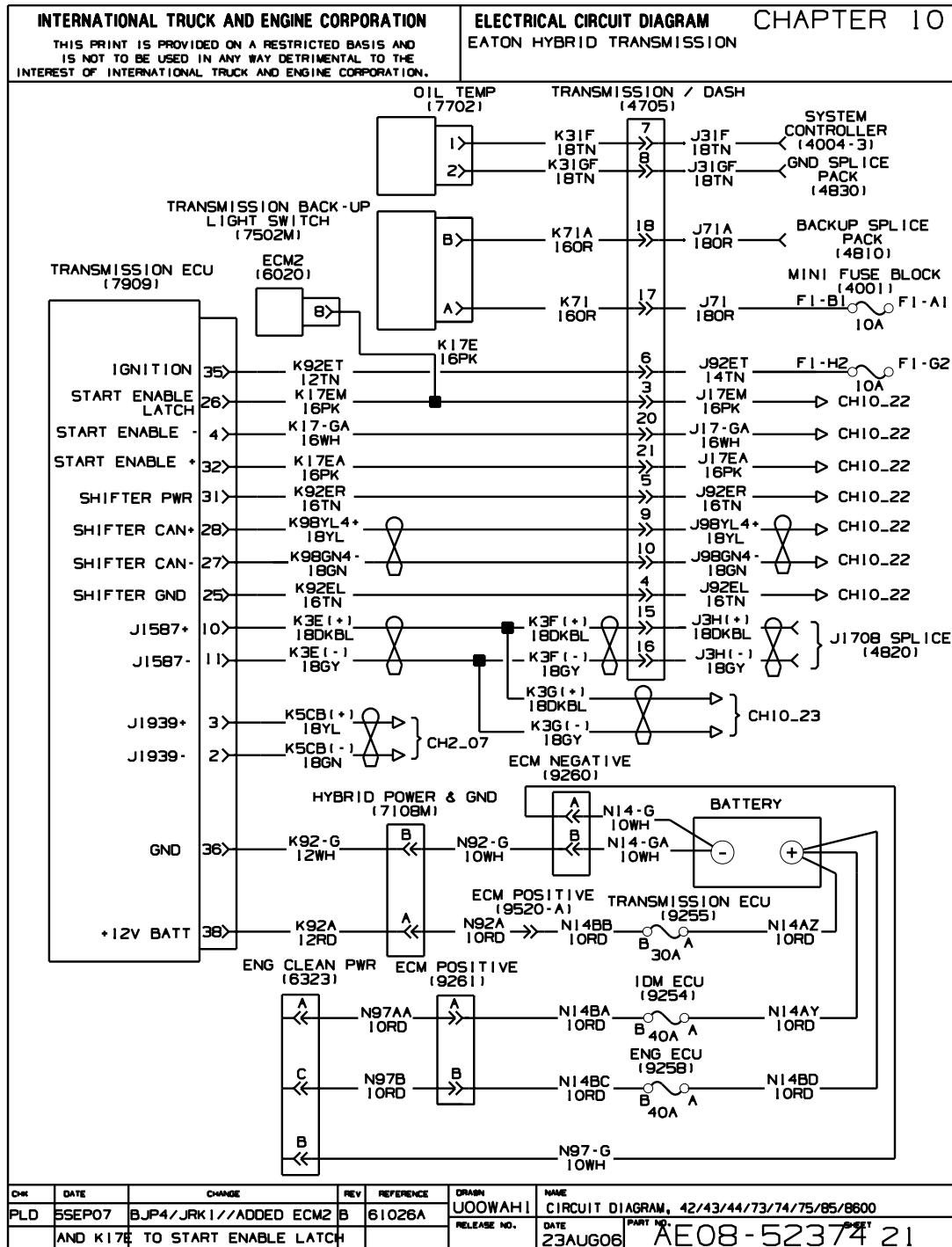
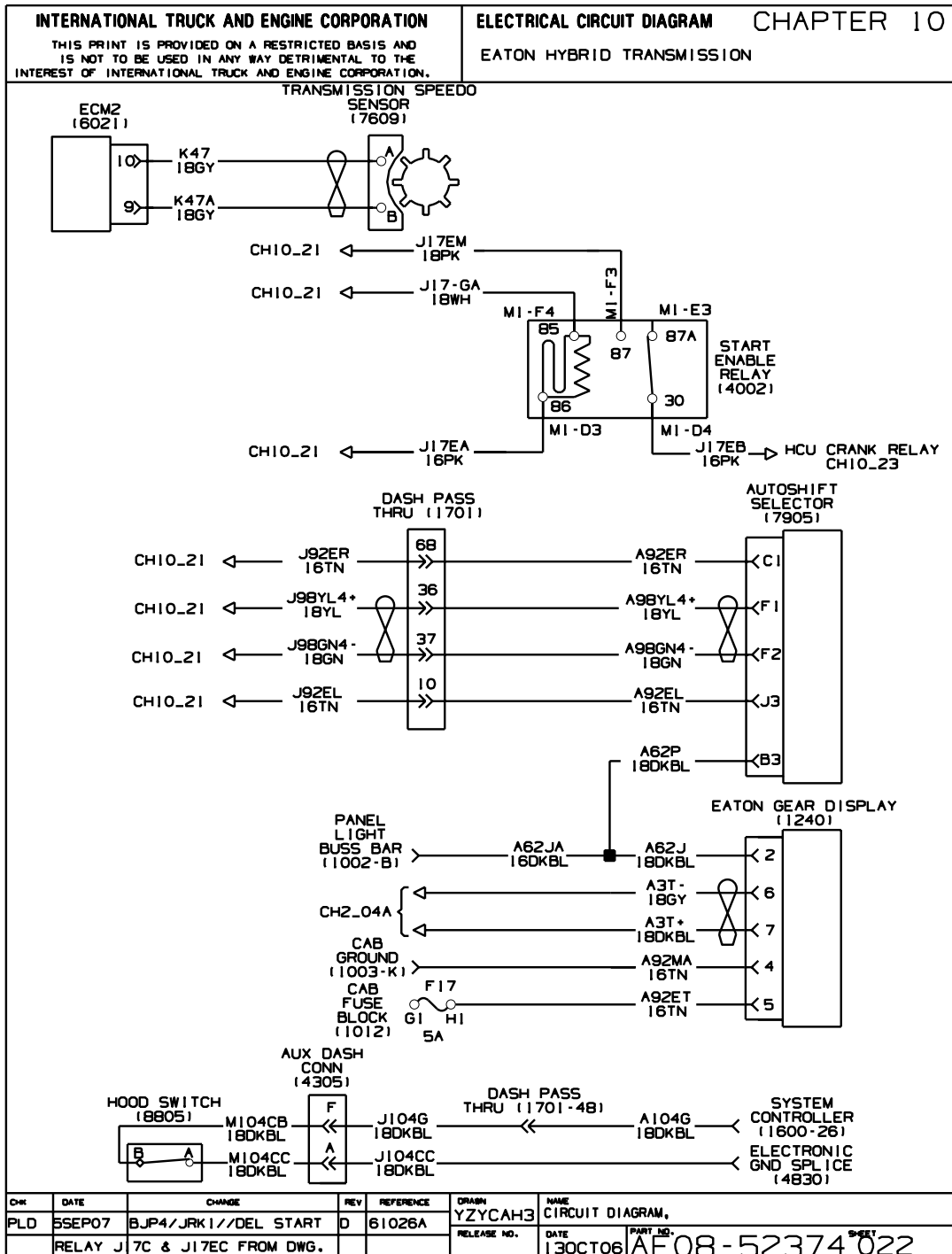


Figure 183 Eaton Hybrid Transmission

**10.27. EATON HYBRID TRANSMISSION, P. 22**

**Figure 184 Eaton Hybrid Transmission**

## 10.28. EATON HYBRID TRANSMISSION, P. 23

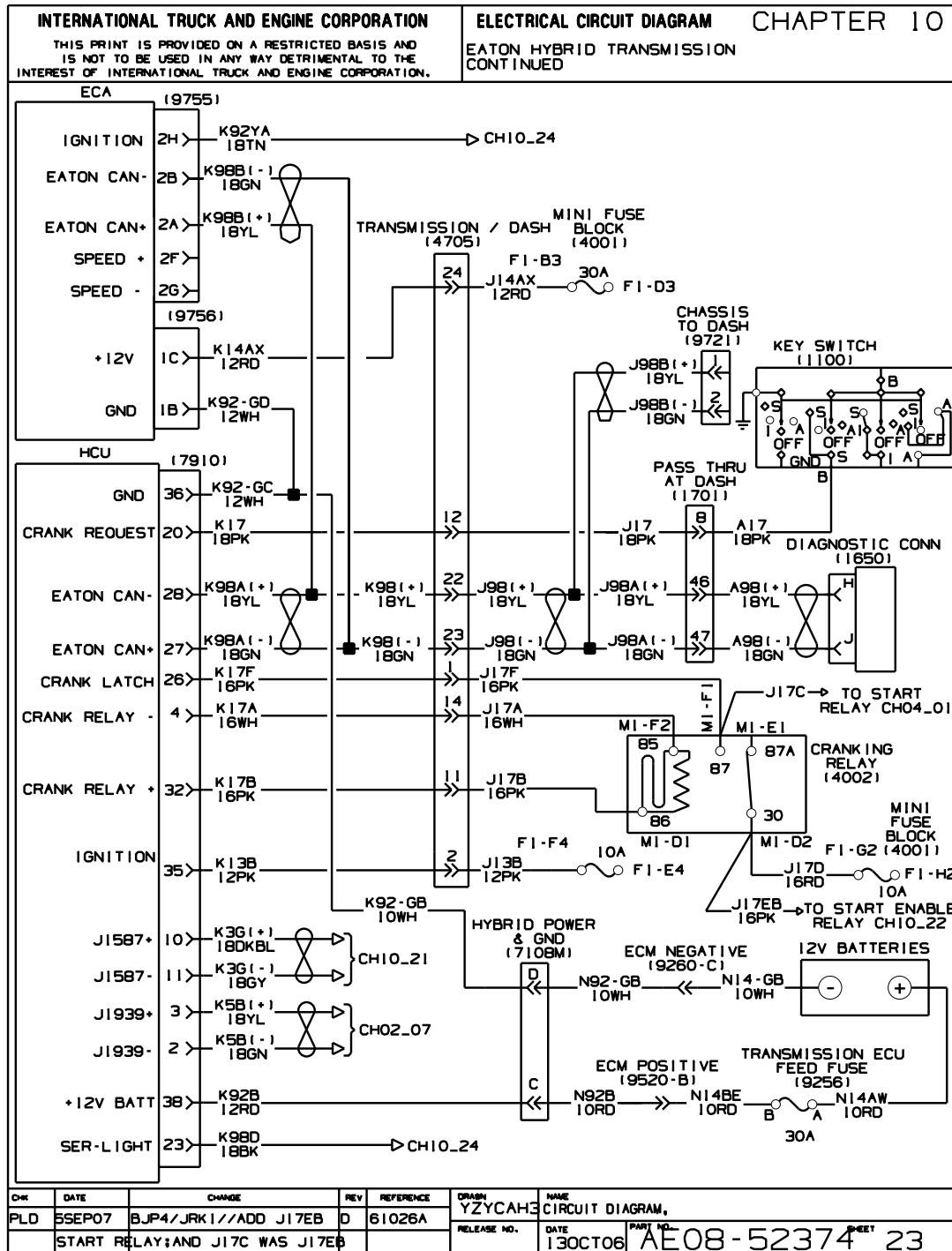
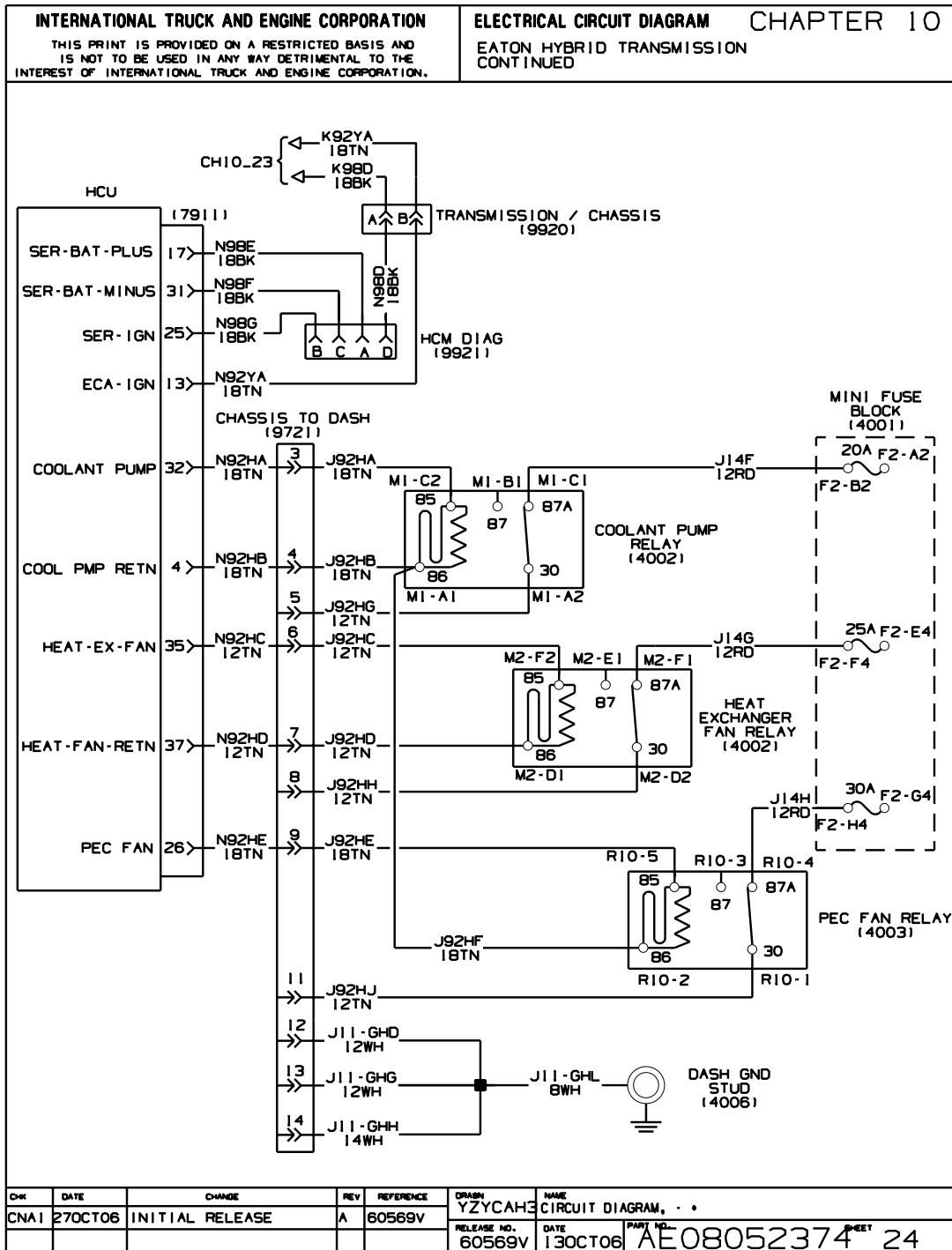


Figure 185 Eaton Hybrid Transmission

**10.29. EATON HYBRID TRANSMISSION, P. 24**

**Figure 186 Eaton Hybrid Transmission**



### 10.30. EATON HYBRID TRANSMISSION, P. 25

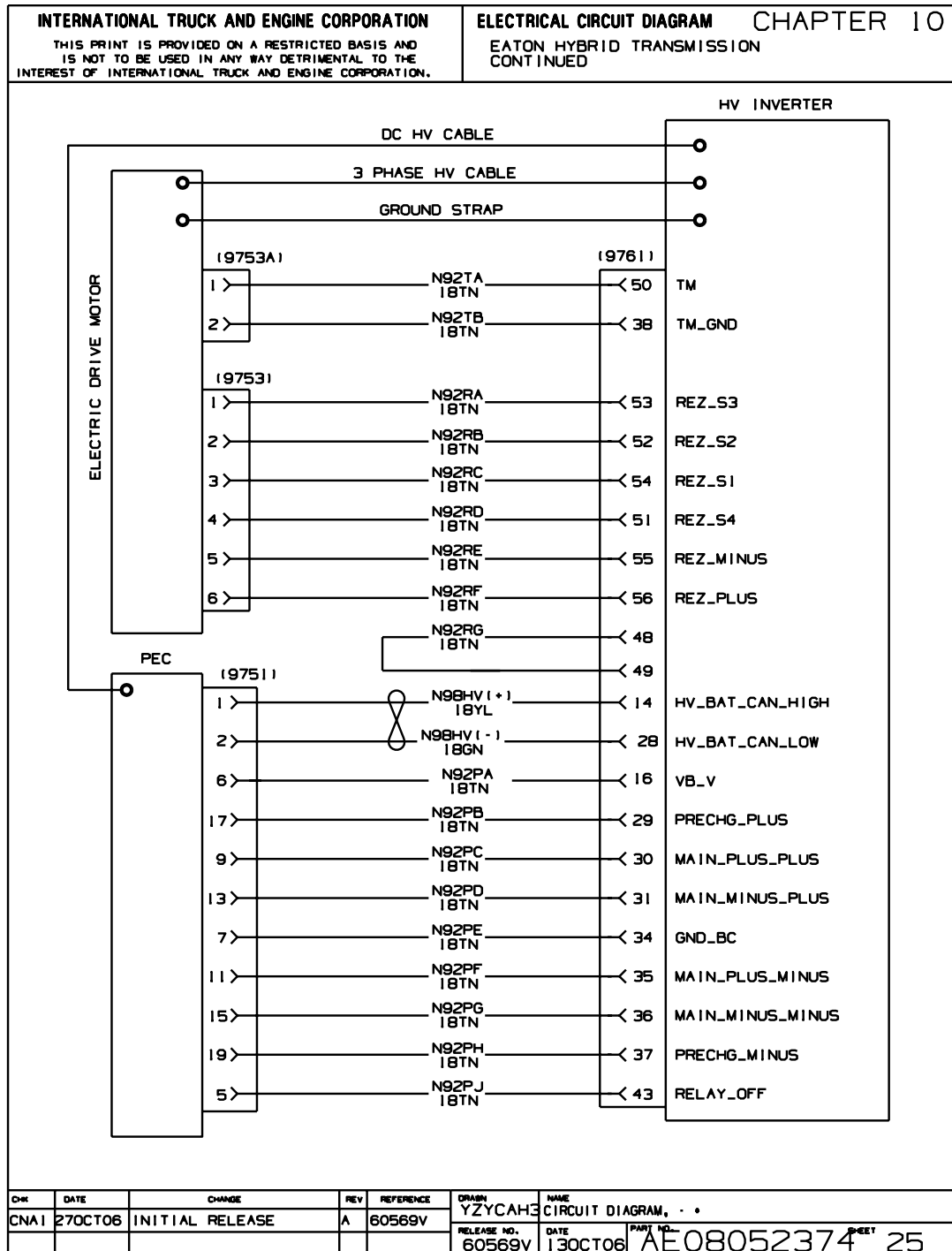
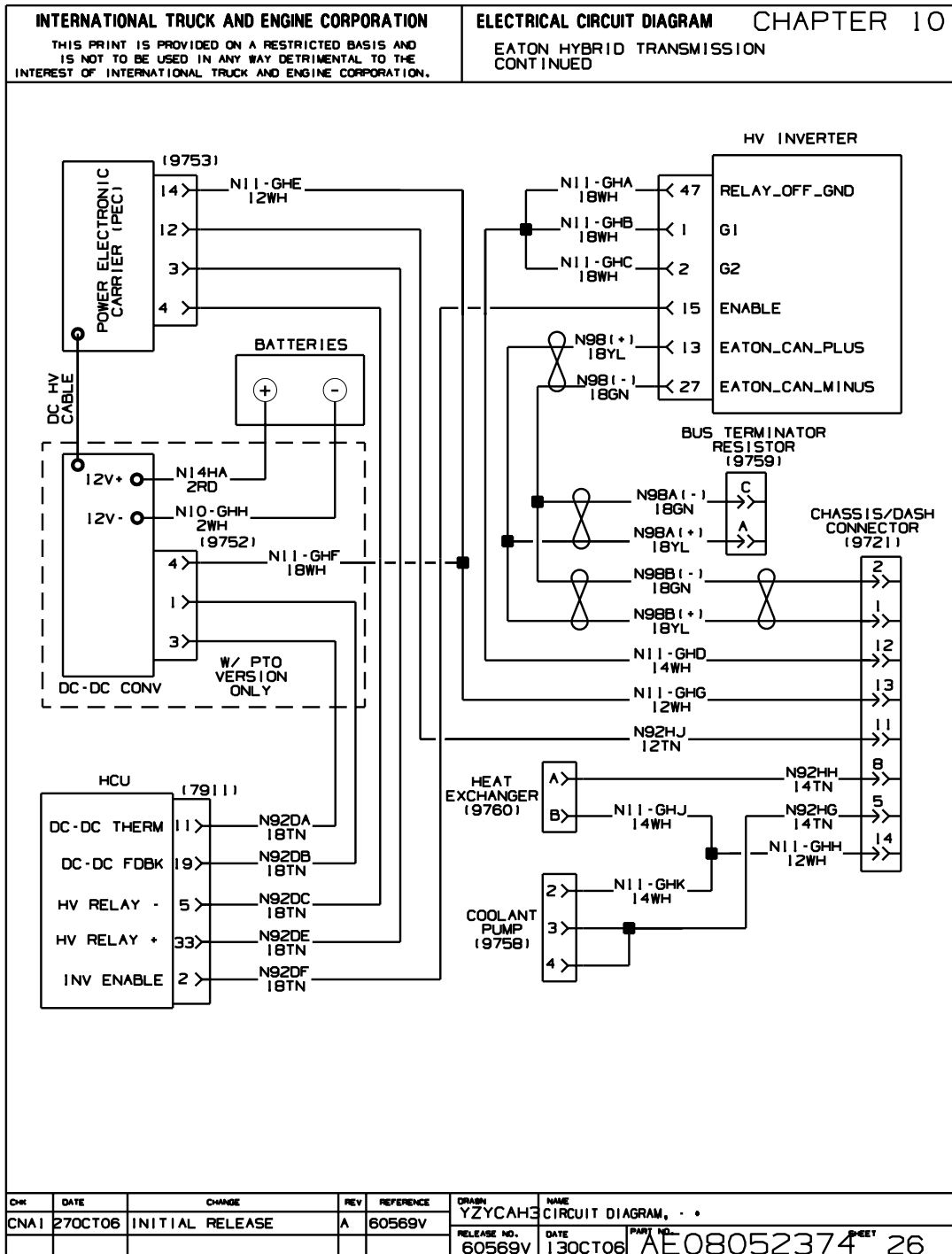
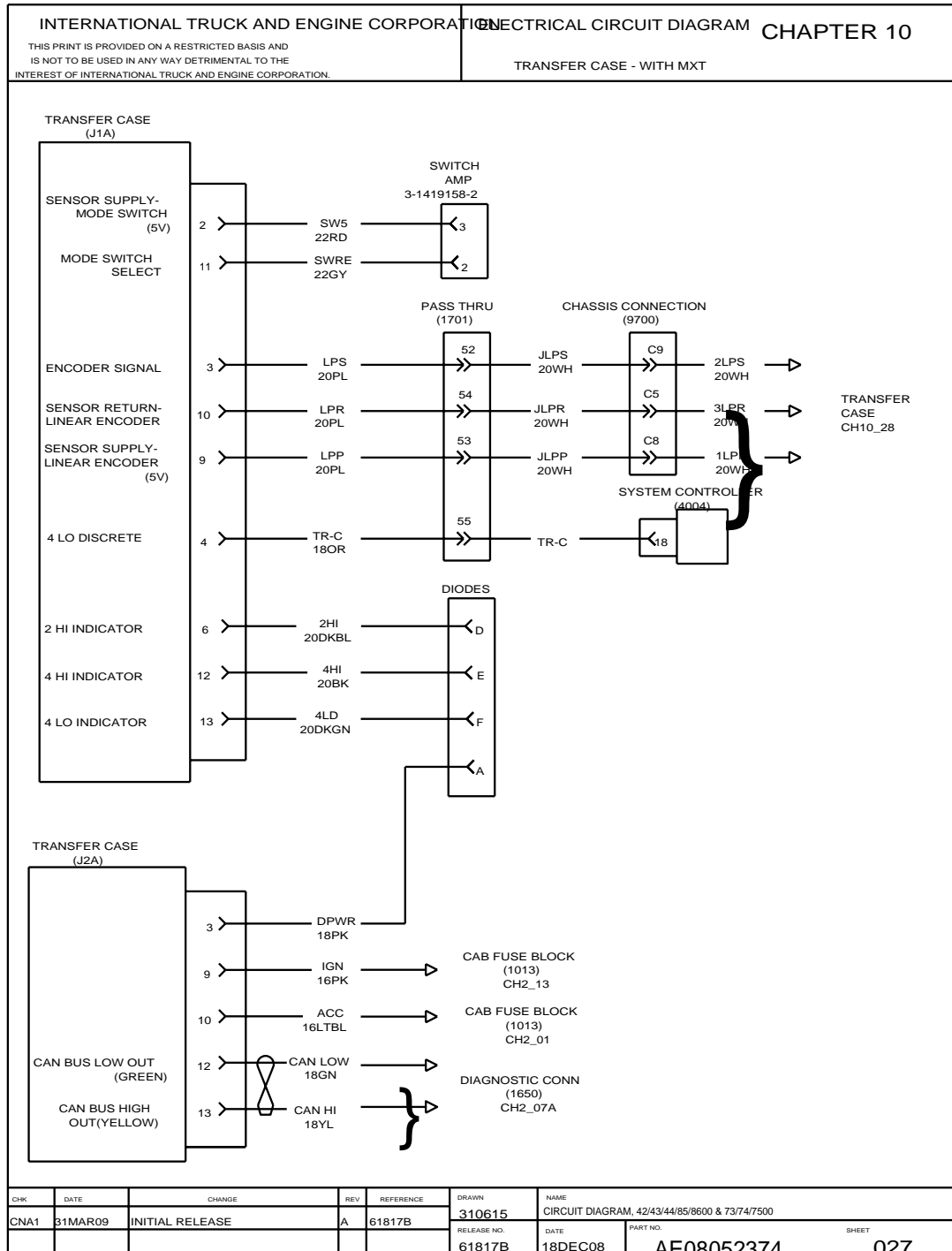


Figure 187 Eaton Hybrid Transmission

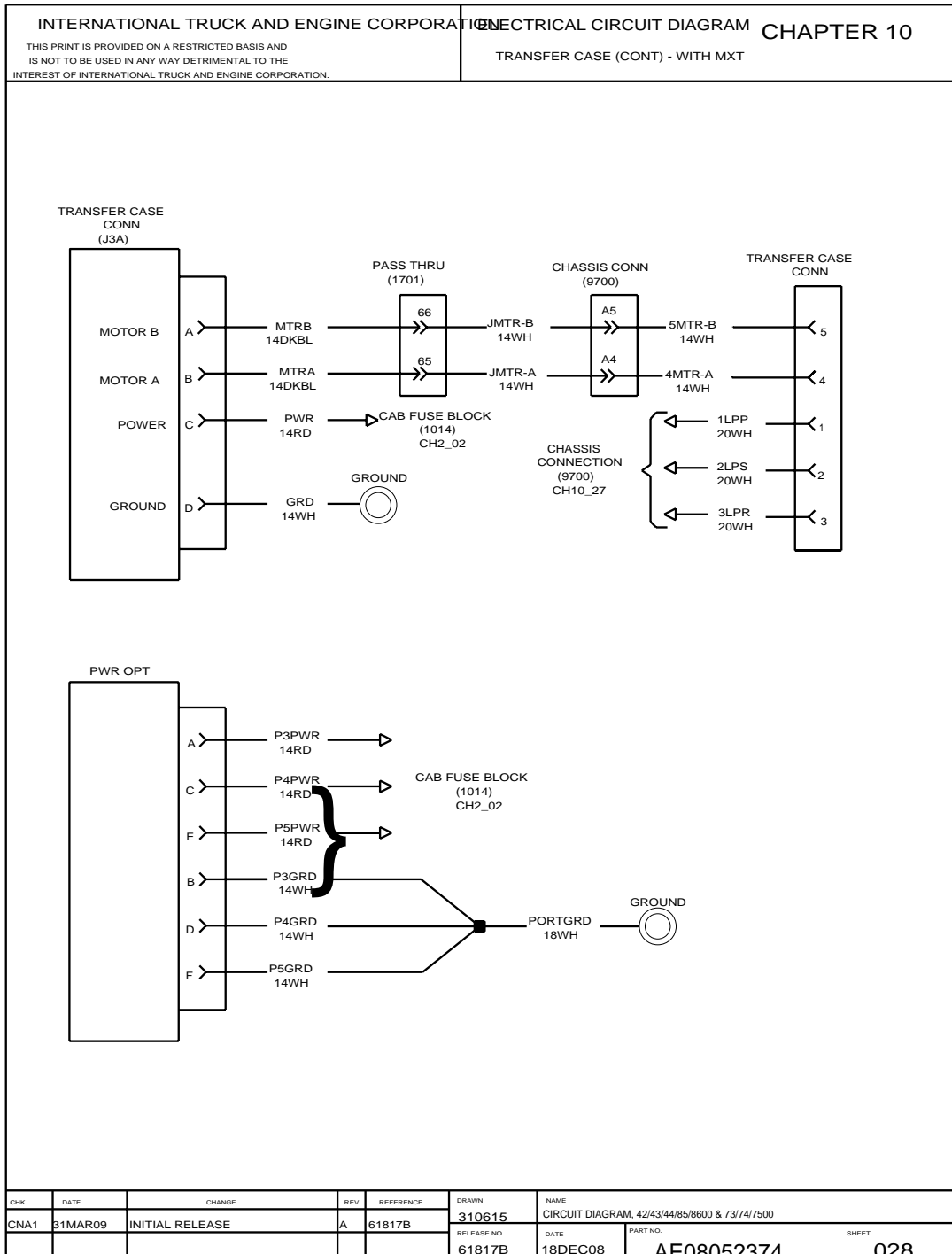
**10.31. EATON HYBRID TRANSMISSION, P. 26**

**Figure 188 Eaton Hybrid Transmission**

## 10.32. TRANSFER CASE — WITH MXT, P. 27



**Figure 189 Transfer Case — with MXT**

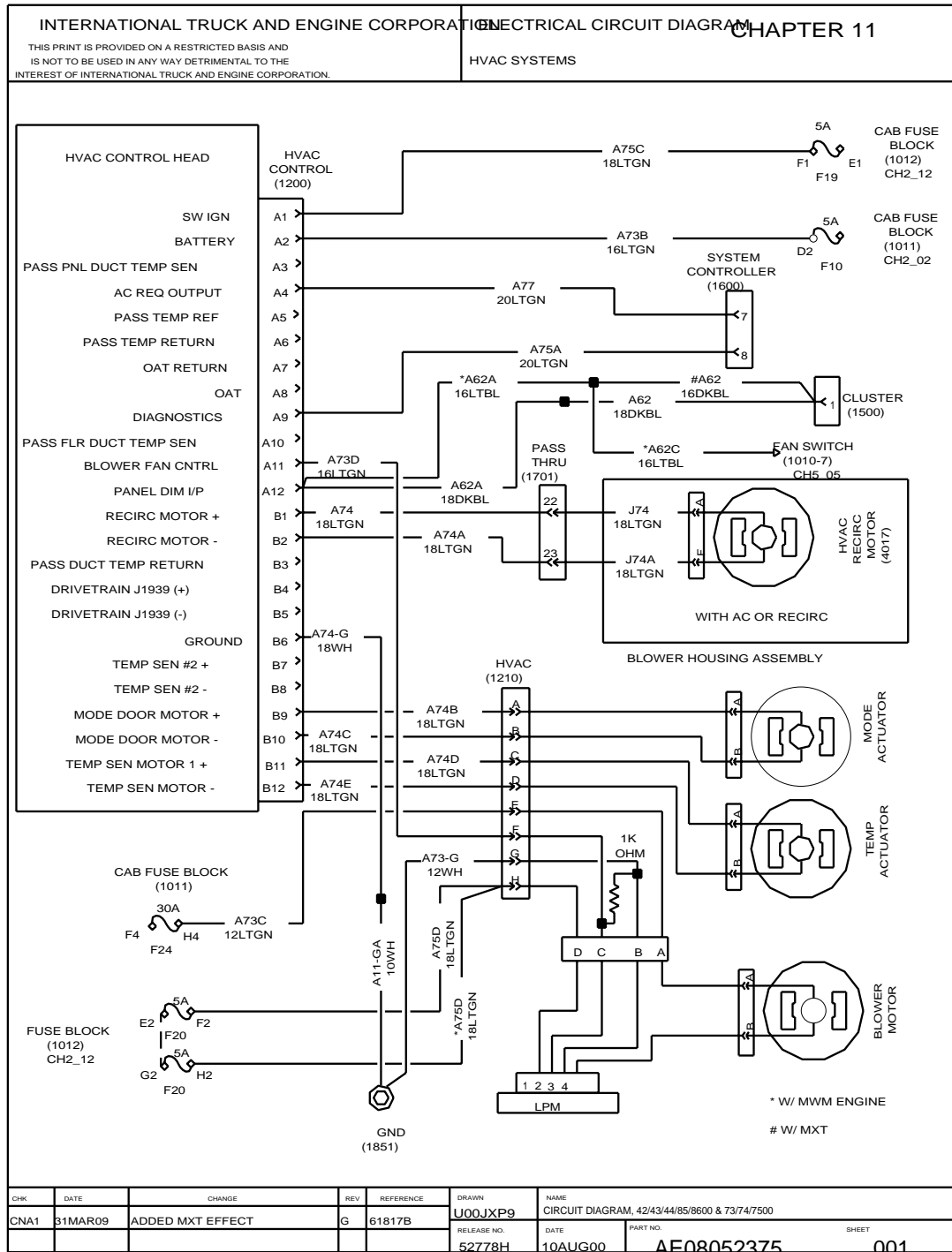
### 10.33. TRANSFER CASE — WITH MXT, P. 28



**Figure 190 Transfer Case — with MXT**

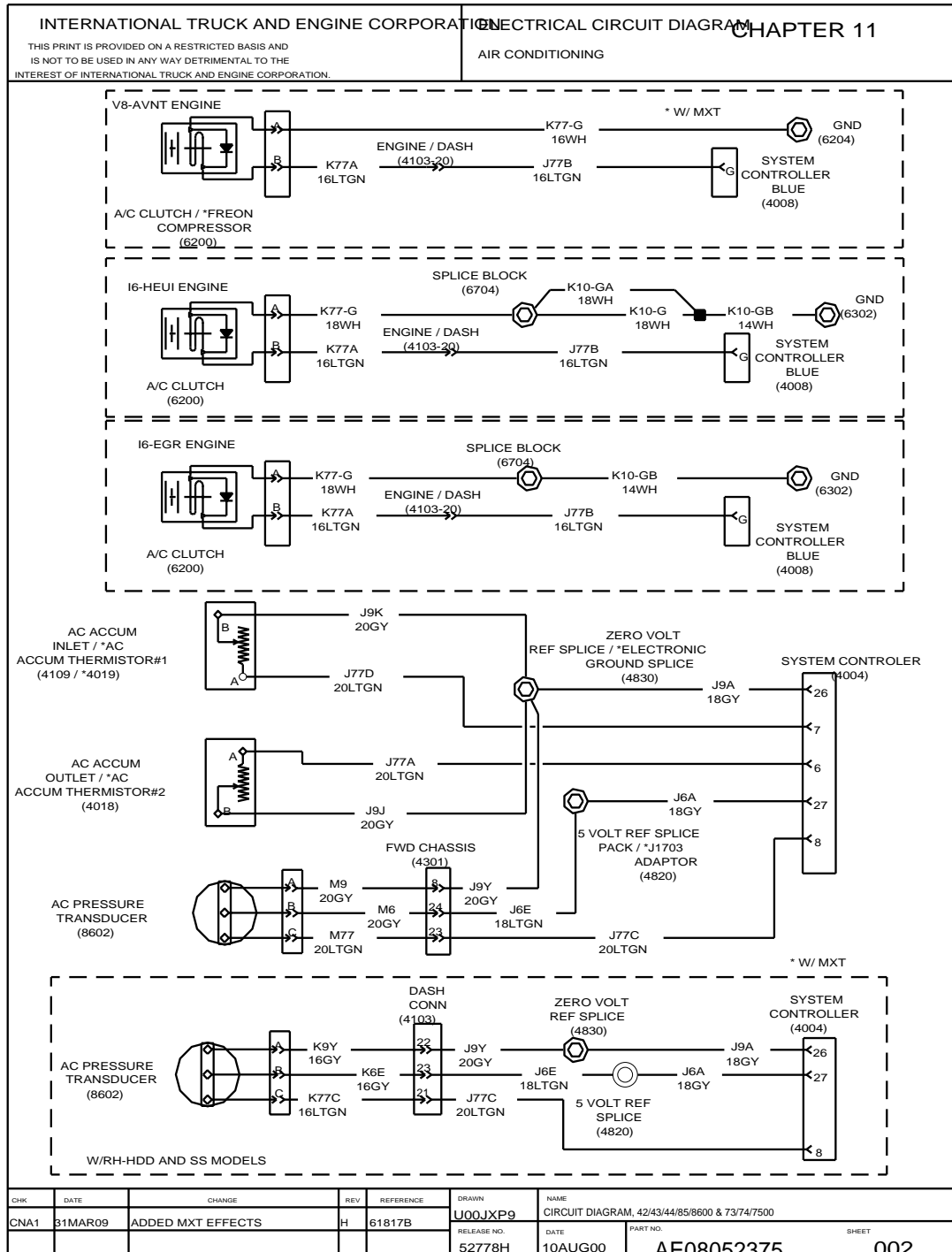
## 11. AIR CONDITIONING (CHAPTER 11)

## 11.1. HVAC SYSTEMS, P. 1



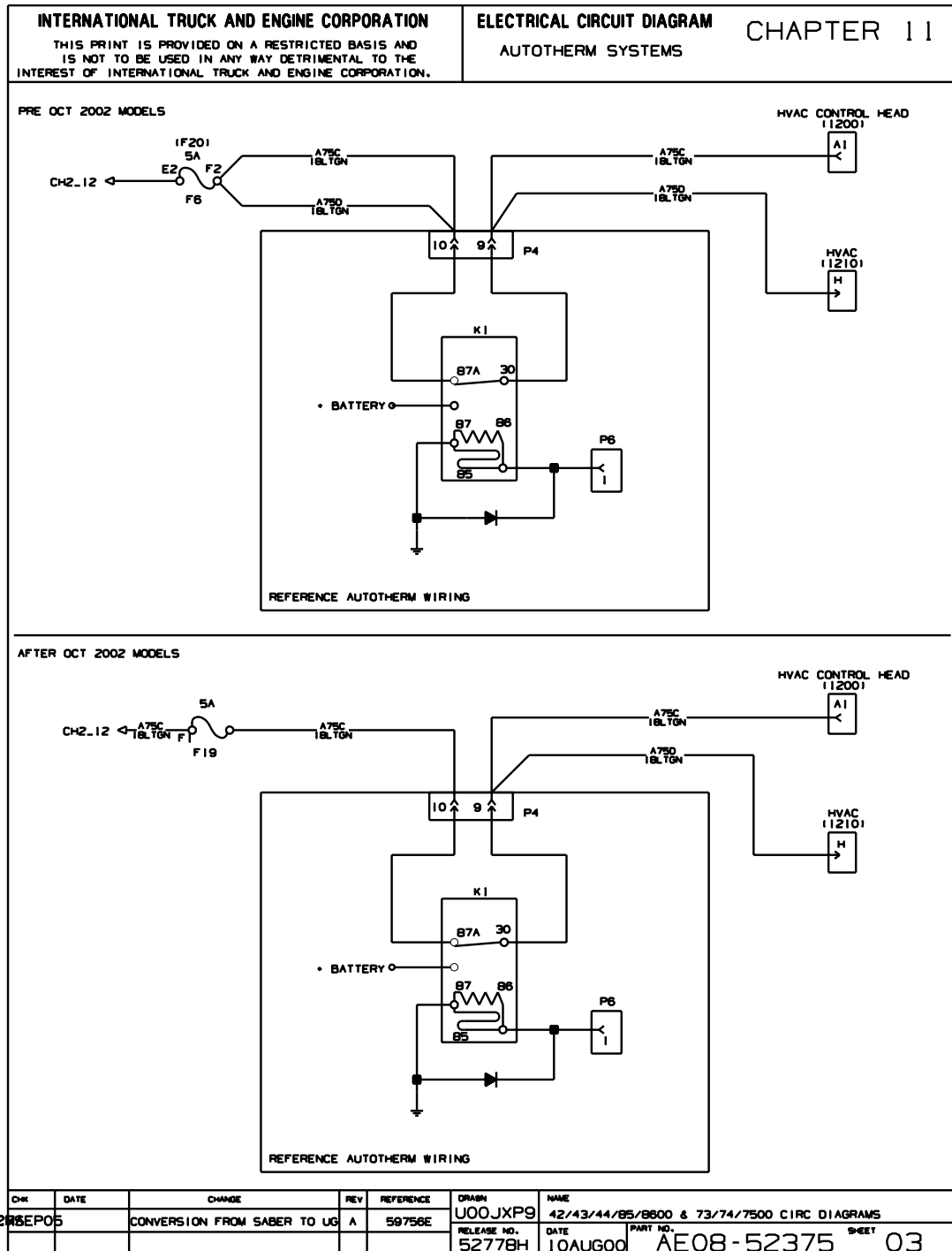
### Figure 191 HVAC Systems

## 11.2. AIR CONDITIONING, P. 2



**Figure 192 Air Conditioning**

### 11.3. AUTOTHERM SYSTEMS, P. 3



### Figure 193 Autotherm Systems

## 12. CONNECTOR COMPOSITES (CHAPTER 12)

### 12.1. CONNECTOR COMPOSITES (10M), (71), (72), (345F), P. 1

INTERNATIONAL TRUCK AND ENGINE CORPORATION				ELECTRICAL CIRCUIT DIAGRAM CHAPTER 12																																																																											
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																																																																											
<b>AUXILIARY POWER (10M)</b> (LOCATED IN INSTRUMENT PANEL)																																																																															
<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>CONNECTOR - 1661197C1</p> <p style="text-align: center;">CIGAR LIGHTER TYPE</p> <table border="1" style="width: 100%; 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>A86M</td> <td>14</td> <td>LT GN</td> <td>3534167C1</td> </tr> <tr> <td>B</td> <td>A86-GA</td> <td>14</td> <td>WH</td> <td>3534167C1</td> </tr> </tbody> </table> <p style="text-align: center;">TWO POST TYPE</p> <table border="1" style="width: 100%; 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>A86N</td> <td>14</td> <td>LT GN</td> <td>3534167C1</td> </tr> <tr> <td>B</td> <td>A86-GB</td> <td>14</td> <td>WH</td> <td>3534167C1</td> </tr> </tbody> </table> </div> <div style="width: 45%; text-align: right;"> <p>CONNECTOR - 1661196C1</p> <table border="1" style="width: 100%; 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>A86M</td> <td>14</td> <td>LT GN</td> <td>1661209C1</td> </tr> <tr> <td>B</td> <td>A86-GA</td> <td>14</td> <td>WH</td> <td>1661209C1</td> </tr> </tbody> </table> </div> </div>								CAV	CIR	GAUGE	COLOR	TERM	A	A86M	14	LT GN	3534167C1	B	A86-GA	14	WH	3534167C1	CAV	CIR	GAUGE	COLOR	TERM	A	A86N	14	LT GN	3534167C1	B	A86-GB	14	WH	3534167C1	CAV	CIR	GAUGE	COLOR	TERM	A	A86M	14	LT GN	1661209C1	B	A86-GA	14	WH	1661209C1																											
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<b>LEFT TAIL LIGHT (71)</b> (LOCATED AT TAIL LIGHTS)				<b>RIGHT TAIL LIGHT (72)</b> (LOCATED AT TAIL LIGHTS)																																																																											
<p>CONNECTOR - 1661375C2            BODY LOCK - 1661376C1            PLUG - 0587579C1</p> <table border="1" style="width: 100%; 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>A</td> <td>S71C</td> <td>14</td> <td>LT BL</td> <td>2033816C1</td> <td>0589391C1</td> </tr> <tr> <td>B</td> <td>S68C</td> <td>14</td> <td>BN</td> <td>2033816C1</td> <td>0589391C1</td> </tr> <tr> <td>C</td> <td>S57B</td> <td>14</td> <td>LT GN</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>S10-GC</td> <td>14</td> <td>WH</td> <td>2033816C1</td> <td>0589391C1</td> </tr> </tbody> </table>				CAV	CIR	GAUGE	COLOR	TERM	SEAL	A	S71C	14	LT BL	2033816C1	0589391C1	B	S68C	14	BN	2033816C1	0589391C1	C	S57B	14	LT GN	2033816C1	0589391C1	D	PLUG	-	-	-	-	E	S10-GC	14	WH	2033816C1	0589391C1	<p>CONNECTOR - 1661375C2            BODY LOCK - 1661376C1            PLUG - 0587579C1</p> <table border="1" style="width: 100%; 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>A</td> <td>S71C</td> <td>14</td> <td>LT BL</td> <td>2033816C1</td> <td>0589391C1</td> </tr> <tr> <td>B</td> <td>S68C</td> <td>14</td> <td>BN</td> <td>2033816C1</td> <td>0589391C1</td> </tr> <tr> <td>C</td> <td>S57B</td> <td>14</td> <td>LT GN</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>S10-GC</td> <td>14</td> <td>WH</td> <td>2033816C1</td> <td>0589391C1</td> </tr> </tbody> </table>				CAV	CIR	GAUGE	COLOR	TERM	SEAL	A	S71C	14	LT BL	2033816C1	0589391C1	B	S68C	14	BN	2033816C1	0589391C1	C	S57B	14	LT GN	2033816C1	0589391C1	D	PLUG	-	-	-	-	E	S10-GC	14	WH	2033816C1	0589391C1
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		345. RMVD CHART (72)			RELEASE NO.	DATE	PART NO.																																																																								
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						SHEET	01																																																																								

**Figure 194 Connector Composites (10M), (71), (72), (345F)**



## 12.2. CONNECTOR COMPOSITES (420F), (421F), (422M), (520), (521), (522), (523), (524), P. 2









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<p style="text-align: center;"><b>SHIFT SELECTOR (420F)</b> (LOCATED IN INSTRUMENT PANEL)</p> <p>CONNECTOR - 3522536C1 BODY LOCK - 3518287C1 PLUG - 3518314C1</p>  <table border="1" style="font-size: 8px; width: 100%;"> <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>A170</td><td>18</td><td>OR</td><td>3517243C1</td></tr> <tr><td>B</td><td>A171</td><td>18</td><td>LT GN</td><td>3517243C1</td></tr> <tr><td>C</td><td>A172</td><td>18</td><td>DK BL</td><td>3517243C1</td></tr> <tr><td>D</td><td>A173</td><td>18</td><td>YL</td><td>3517243C1</td></tr> <tr><td>E</td><td>A174</td><td>18</td><td>TN</td><td>3517243C1</td></tr> <tr><td>L</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>M</td><td>A175</td><td>18</td><td>LT GN</td><td>3517243C1</td></tr> <tr><td>N</td><td>A124</td><td>18</td><td>PK</td><td>3517243C1</td></tr> <tr><td>P</td><td>A1430</td><td>18</td><td>GY</td><td>3517243C1</td></tr> <tr><td>R</td><td>A1360</td><td>18</td><td>PK</td><td>3517243C1</td></tr> <tr><td>S</td><td>A180</td><td>18</td><td>DK BL</td><td>3517243C1</td></tr> <tr><td>T</td><td>A186</td><td>18</td><td>DK BL</td><td>3517243C1</td></tr> <tr><td>U</td><td>A62L</td><td>18</td><td>DK BL</td><td>3517243C1</td></tr> <tr><td>V</td><td>A188</td><td>18</td><td>DK BL</td><td>3517243C1</td></tr> </tbody> </table>				CAV	CIR	GAUGE	COLOR	TERM	A	A170	18	OR	3517243C1	B	A171	18	LT GN	3517243C1	C	A172	18	DK BL	3517243C1	D	A173	18	YL	3517243C1	E	A174	18	TN	3517243C1	L	-	-	-	-	M	A175	18	LT GN	3517243C1	N	A124	18	PK	3517243C1	P	A1430	18	GY	3517243C1	R	A1360	18	PK	3517243C1	S	A180	18	DK BL	3517243C1	T	A186	18	DK BL	3517243C1	U	A62L	18	DK BL	3517243C1	V	A188	18	DK BL	3517243C1	<p style="text-align: center;"><b>FELSTED SHIFTER PARK BRAKE (421F)</b> (LOCATED IN INSTRUMENT PANEL)</p> <p>CONNECTOR - 1867741C1 BODY LOCK - 1867771C1</p>  <table border="1" style="font-size: 8px; width: 100%;"> <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>A82-GC</td><td>18</td><td>WH</td><td>1861875C1</td><td>1861872C1</td></tr> <tr><td>B</td><td>A92AF</td><td>18</td><td>TN</td><td>1861875C1</td><td>1861872C1</td></tr> <tr><td>C</td><td>A92AG</td><td>18</td><td>TN</td><td>1861875C1</td><td>1861872C1</td></tr> </tbody> </table>				CAV	CIR	GAUGE	COLOR	TERM	SEAL	A	A82-GC	18	WH	1861875C1	1861872C1	B	A92AF	18	TN	1861875C1	1861872C1	C	A92AG	18	TN	1861875C1	1861872C1
CAV	CIR	GAUGE	COLOR	TERM																																																																																																						
A	A170	18	OR	3517243C1																																																																																																						
B	A171	18	LT GN	3517243C1																																																																																																						
C	A172	18	DK BL	3517243C1																																																																																																						
D	A173	18	YL	3517243C1																																																																																																						
E	A174	18	TN	3517243C1																																																																																																						
L	-	-	-	-																																																																																																						
M	A175	18	LT GN	3517243C1																																																																																																						
N	A124	18	PK	3517243C1																																																																																																						
P	A1430	18	GY	3517243C1																																																																																																						
R	A1360	18	PK	3517243C1																																																																																																						
S	A180	18	DK BL	3517243C1																																																																																																						
T	A186	18	DK BL	3517243C1																																																																																																						
U	A62L	18	DK BL	3517243C1																																																																																																						
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<p style="text-align: center;"><b>SHIFTER (422M)</b> (LOCATED IN INSTRUMENT PANEL)</p> <p>CONNECTOR - 3540758C1 BODY LOCK - 3540758C1 BODY LOCK2 - 3540758C1</p>  <table border="1" style="font-size: 8px; width: 100%;"> <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>A92VA</td><td>18</td><td>PK</td><td>1867742C1</td><td>1861872C1</td></tr> <tr><td>B</td><td>A128D</td><td>18</td><td>YL</td><td>1867742C1</td><td>3588570C1</td></tr> <tr><td>C</td><td>A123</td><td>18</td><td>PK</td><td>1867742C1</td><td>1861872C1</td></tr> <tr><td>D</td><td>A110</td><td>18</td><td>YL</td><td>1867742C1</td><td>1861872C1</td></tr> </tbody> </table>				CAV	CIR	GAUGE	COLOR	TERM	SEAL	A	A92VA	18	PK	1867742C1	1861872C1	B	A128D	18	YL	1867742C1	3588570C1	C	A123	18	PK	1867742C1	1861872C1	D	A110	18	YL	1867742C1	1861872C1	<p style="text-align: center;"><b>CLEARANCE LIGHT (520)</b> (LOCATED IN SUNSHADE)</p> <p>CONNECTOR - 1861259C1 BODY LOCK - 1861263C1</p>  <table border="1" style="font-size: 8px; width: 100%;"> <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>58B</td><td>18</td><td>BN</td><td>1861261C1</td></tr> <tr><td>B</td><td>58-GB</td><td>18</td><td>WH</td><td>1861261C1</td></tr> </tbody> </table>				CAV	CIR	GAUGE	COLOR	TERM	A	58B	18	BN	1861261C1	B	58-GB	18	WH	1861261C1																																																						
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<p style="text-align: center;"><b>CLEARANCE LIGHT (521)</b> (LOCATED IN SUNSHADE)</p> <p>CONNECTOR - 1861259C1 BODY LOCK - 1861263C1</p>  <table border="1" style="font-size: 8px; width: 100%;"> <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>58C</td><td>18</td><td>BN</td><td>1861261C1</td></tr> <tr><td>B</td><td>58-GC</td><td>18</td><td>WH</td><td>1861261C1</td></tr> </tbody> </table>				CAV	CIR	GAUGE	COLOR	TERM	A	58C	18	BN	1861261C1	B	58-GC	18	WH	1861261C1	<p style="text-align: center;"><b>CLEARANCE LIGHT (522)</b> (LOCATED IN SUNSHADE)</p> <p>CONNECTOR - 1861259C1 BODY LOCK - 1861263C1</p>  <table border="1" style="font-size: 8px; width: 100%;"> <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>58D</td><td>18</td><td>BN</td><td>1861261C1</td></tr> <tr><td>B</td><td>58-GD</td><td>18</td><td>WH</td><td>1861261C1</td></tr> </tbody> </table>				CAV	CIR	GAUGE	COLOR	TERM	A	58D	18	BN	1861261C1	B	58-GD	18	WH	1861261C1																																																																					
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<p style="text-align: center;"><b>CLEARANCE LIGHT (523)</b> (LOCATED IN SUNSHADE)</p> <p>CONNECTOR - 1861259C1 BODY LOCK - 1861263C1</p>  <table border="1" style="font-size: 8px; width: 100%;"> <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>58E</td><td>18</td><td>BN</td><td>1861261C1</td></tr> <tr><td>B</td><td>58-GE</td><td>18</td><td>WH</td><td>1861261C1</td></tr> </tbody> </table>				CAV	CIR	GAUGE	COLOR	TERM	A	58E	18	BN	1861261C1	B	58-GE	18	WH	1861261C1	<p style="text-align: center;"><b>CLEARANCE LIGHT (524)</b> (LOCATED IN SUNSHADE)</p> <p>CONNECTOR - 1861259C1 BODY LOCK - 1861263C1</p>  <table border="1" style="font-size: 8px; width: 100%;"> <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>58F</td><td>18</td><td>BN</td><td>1861261C1</td></tr> <tr><td>B</td><td>58-GF</td><td>18</td><td>WH</td><td>1861261C1</td></tr> </tbody> </table>				CAV	CIR	GAUGE	COLOR	TERM	A	58F	18	BN	1861261C1	B	58-GF	18	WH	1861261C1																																																																					
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CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME																																																																																																				
CNA	18AUG04	REF 422M WAS 422F	D	59334D	U00DAG9	42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS																																																																																																				
		P/N WAS 3540757C1			RELEASE NO.	DATE	PART NO.																																																																																																			
					P52778H	31MAY00	AE08-52376																																																																																																			
						SHEET	02																																																																																																			

Figure 195 Connector Composites (420F), (421F), (422M), (520), (521), (522), (523), (524)

**12.3. CONNECTOR COMPOSITES (734M), (1002), (1003), P. 3**




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<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p style="text-align: center;">XATA COMPUTER PROVISION (734M)</p>  <p>CONNECTOR - 1667305C1 LOCK (2) - 1661263C1</p> </div> <div style="width: 50%;"> <table border="1" style="width: 100%; border-collapse: collapse; font-size: 0.8em;"> <thead> <tr> <th>CAV</th><th>CIRCUIT</th><th>GAUGE</th><th>COLOR</th><th>TERMINAL</th></tr> </thead> <tbody> <tr><td>A</td><td>A14Z</td><td>18</td><td>RD</td><td>1661261C1</td></tr> <tr><td>B</td><td>A11-GZ</td><td>18</td><td>WH</td><td>1661261C1</td></tr> <tr><td>C</td><td>A98(+)</td><td>18</td><td>DK BL</td><td>1661261C1</td></tr> <tr><td>D</td><td>A98(-)</td><td>18</td><td>GY</td><td>1661261C1</td></tr> </tbody> </table> </div> </div>								CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	A	A14Z	18	RD	1661261C1	B	A11-GZ	18	WH	1661261C1	C	A98(+)	18	DK BL	1661261C1	D	A98(-)	18	GY	1661261C1																																																		
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<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p style="text-align: center;">PANEL LIGHT ADAPTER (1002) (LOCATED IN INSTRUMENT PANEL)</p>  <p>CONNECTOR - 2007315C1</p> </div> <div style="width: 50%;"> <table border="1" style="width: 100%; border-collapse: collapse; font-size: 0.8em;"> <thead> <tr> <th>CAV</th><th>CIRCUIT</th><th>GAUGE</th><th>COLOR</th><th>TERMINAL</th></tr> </thead> <tbody> <tr><td>A</td><td>A62N</td><td>16</td><td>DKBL</td><td>1661209C1</td></tr> <tr><td>B</td><td>A62J</td><td>18</td><td>DKBL</td><td>1661208C1</td></tr> <tr><td>B</td><td>A62L</td><td>18</td><td>DKBL</td><td>1661208C1</td></tr> <tr><td>B*</td><td>A62KB</td><td>18</td><td>DKBL</td><td>1661208C1</td></tr> <tr><td>B**</td><td>A62</td><td>18</td><td>DKBL</td><td>1661208C1</td></tr> <tr><td>C</td><td>A62P</td><td>18</td><td>LTBL</td><td>1661208C1</td></tr> <tr><td>C*</td><td>A62KA</td><td>18</td><td>DKBL</td><td>1661208C1</td></tr> <tr><td>D</td><td>A62D</td><td>18</td><td>DKBL</td><td>1661208C1</td></tr> <tr><td>E</td><td>A62R</td><td>18</td><td>DKBL</td><td>1661208C1</td></tr> <tr><td>F</td><td>A21B</td><td>16</td><td>TN</td><td>1661209C1</td></tr> <tr><td>G</td><td>A62F</td><td>18</td><td>DKBL</td><td>1661208C1</td></tr> <tr><td>H</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>J</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>K</td><td>A62</td><td>18</td><td>GY</td><td>1661208C1</td></tr> </tbody> </table> <p style="font-size: 0.7em;">NOTE: A62L USED WITH WTEC TRANSMISSION A62J USED WITH EATON AUTO SHIFT • W/ 5TH WHEEL OPTION ** W/ COMMUNICATIONS SYSTEM, AWARE</p> </div> </div>								CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	A	A62N	16	DKBL	1661209C1	B	A62J	18	DKBL	1661208C1	B	A62L	18	DKBL	1661208C1	B*	A62KB	18	DKBL	1661208C1	B**	A62	18	DKBL	1661208C1	C	A62P	18	LTBL	1661208C1	C*	A62KA	18	DKBL	1661208C1	D	A62D	18	DKBL	1661208C1	E	A62R	18	DKBL	1661208C1	F	A21B	16	TN	1661209C1	G	A62F	18	DKBL	1661208C1	H	-	-	-	-	J	-	-	-	-	K	A62	18	GY	1661208C1
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL																																																																														
A	A62N	16	DKBL	1661209C1																																																																														
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B*	A62KB	18	DKBL	1661208C1																																																																														
B**	A62	18	DKBL	1661208C1																																																																														
C	A62P	18	LTBL	1661208C1																																																																														
C*	A62KA	18	DKBL	1661208C1																																																																														
D	A62D	18	DKBL	1661208C1																																																																														
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<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p style="text-align: center;">GROUND ADAPTER (1003) (LOCATED IN INSTRUMENT PANEL)</p>  <p>CONNECTOR - 2007315C1</p> </div> <div style="width: 50%;"> <table border="1" style="width: 100%; border-collapse: collapse; font-size: 0.8em;"> <thead> <tr> <th>CAV</th><th>CIRCUIT</th><th>GAUGE</th><th>COLOR</th><th>TERMINAL</th></tr> </thead> <tbody> <tr><td>A</td><td>A11-GAL</td><td>12</td><td>WH</td><td>1661211C1</td></tr> <tr><td>B</td><td>A11-GBA</td><td>18</td><td>WH</td><td>1661208C1</td></tr> <tr><td>C</td><td>A62-GD</td><td>18</td><td>WH</td><td>1661208C1</td></tr> <tr><td>C</td><td>A62-GC</td><td>18</td><td>WH</td><td>1661208C1</td></tr> <tr><td>D</td><td>A23-GA</td><td>18</td><td>WH</td><td>1661208C1</td></tr> <tr><td>D*</td><td>A59-GC</td><td>18</td><td>WH</td><td>1661208C1</td></tr> <tr><td>E</td><td>A11-GDY</td><td>12</td><td>WH</td><td>1661211C1</td></tr> <tr><td>F</td><td>A62-GF</td><td>18</td><td>WH</td><td>1661208C1</td></tr> <tr><td>F*</td><td>A62-GK</td><td>18</td><td>WH</td><td>1661208C1</td></tr> <tr><td>G</td><td>A21-G</td><td>16</td><td>WH</td><td>1661209C1</td></tr> <tr><td>H</td><td>A41-G</td><td>18</td><td>WH</td><td>1661208C1</td></tr> <tr><td>J</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>K</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> </tbody> </table> <p style="font-size: 0.7em;">NOTE: A62-GC USED WITH LCT TRANSMISSIONS A62-GD USED WITH WTEC TRANSMISSIONS • W/ 5TH WHEEL OPTION</p> </div> </div>								CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	A	A11-GAL	12	WH	1661211C1	B	A11-GBA	18	WH	1661208C1	C	A62-GD	18	WH	1661208C1	C	A62-GC	18	WH	1661208C1	D	A23-GA	18	WH	1661208C1	D*	A59-GC	18	WH	1661208C1	E	A11-GDY	12	WH	1661211C1	F	A62-GF	18	WH	1661208C1	F*	A62-GK	18	WH	1661208C1	G	A21-G	16	WH	1661209C1	H	A41-G	18	WH	1661208C1	J	-	-	-	-	K	-	-	-	-					
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F	A62-GF	18	WH	1661208C1																																																																														
F*	A62-GK	18	WH	1661208C1																																																																														
G	A21-G	16	WH	1661209C1																																																																														
H	A41-G	18	WH	1661208C1																																																																														
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K	-	-	-	-																																																																														
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Figure 196 Connector Composites (734M), (1002), (1003)

**12.4. CONNECTOR COMPOSITES (1005), (1006), (1008), (1009), P. 3A**

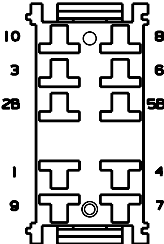
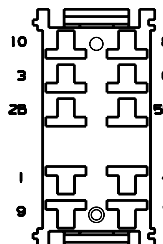
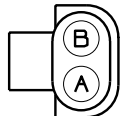
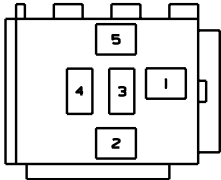
INTERNATIONAL TRUCK AND ENGINE CORPORATION <small>THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF INTERNATIONAL TRUCK AND ENGINE CORPORATION.</small>					ELECTRICAL CIRCUIT DIAGRAM    CHAPTER 12 CONNECTOR COMPOSITES - MATING VIEW SHOWN																																																																																																																			
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<p style="text-align: center;">EXHAUST BRAKE SWITCH (1008)</p>  <p style="text-align: center;">CONNECTOR - 0587568C91</p> <table border="1" style="width: 100%; border-collapse: collapse; font-size: 8px;"> <thead> <tr> <th>CAV</th> <th>CIRCUIT</th> <th>GAUGE</th> <th>COLOR</th> <th>TERMINAL</th> <th>SEAL/SLV</th> </tr> </thead> <tbody> <tr><td>A</td><td>K24A</td><td>18</td><td>GY</td><td>0587575C1</td><td>1652325C1</td></tr> <tr><td>B</td><td>K24B</td><td>18</td><td>GY</td><td>0587575C1</td><td>1652325C1</td></tr> </tbody> </table> <p style="text-align: center;">W/ MWM ENGINE</p>			CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLV	A	K24A	18	GY	0587575C1	1652325C1	B	K24B	18	GY	0587575C1	1652325C1	<p style="text-align: center;">PARK BRAKE BUZZER (1009)</p>  <p style="text-align: center;">CONNECTOR - 0593385C1 BODY LOCK - 0593387C1</p> <table border="1" style="width: 100%; border-collapse: collapse; font-size: 8px;"> <thead> <tr> <th>CAV</th> <th>CIRCUIT</th> <th>GAUGE</th> <th>COLOR</th> <th>TERMINAL</th> </tr> </thead> <tbody> <tr><td>1</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>2</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>3</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>4</td><td>A59-GB</td><td>18</td><td>GY</td><td>1659673C1</td></tr> <tr><td>5</td><td>A59B</td><td>18</td><td>GY</td><td>1661709C1</td></tr> </tbody> </table>			CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	1	-	-	-	-	2	-	-	-	-	3	-	-	-	-	4	A59-GB	18	GY	1659673C1	5	A59B	18	GY	1661709C1																																																																			
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Figure 197 Connector Composites (1005), (1006), (1008), (1009)

**12.5. CONNECTOR COMPOSITES (1007), (1008), (1010), P. 3B**

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ELECTRICAL CIRCUIT DIAGRAM

CHAPTER 12

CONNECTOR COMPOSITES - MATING VIEW SHOWN

DATA LOGGING INDICATOR (1007)

CONNECTOR 3520850C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	-	-	-	-
2B	-	-	-	-
3	-	-	-	-
4	-	-	-	-
5B	-	-	-	-
6	-	-	-	-
7	A62A	1B	DKBL	1661224C1
8	A62	1B	DKBL	1661226C1
	A62B	1B	DKBL	1661224C1
9	A11-GF	1B	WH	1661224C1
	A11-GH	1B	WH	1661224C1
10	A11-GH	1B	WH	1661224C1

DATA LOGGING RELAY (1008)

CONNECTOR 0593385C1  
CONN LOCK 0593387C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	A13B	1B	PK	2018946C1
2	A11-GJ	1B	WH	1661709C1
3	A62A	1B	DKBL	1661709C1
4	-	-	-	-
5	A74H	1B	VT	2018946C1

ETHER START (1010)  
(LOCATED IN INSTRUMENT PANEL)

CONNECTOR - 3520850C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	-	-	-	-
2B	A21C	1B	TN	1661226C1
3	A21E	1B	TN	1661226C1
4	-	-	-	-
5B	-	-	-	-
6	-	-	-	-
7	-	-	-	-
8	A21B	1B	TN	1661226C1
9	-	-	-	-
10	A21-G	1B	WH	1661226C1

FAN SWITCH (1010)

CONNECTOR - 2009385C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	A23-GA	1B	WH	1661226C1
2	-	-	-	-
3	-	-	-	-
4	A23B	1B	TN	1661226C1
5	A23A	1B	TN	1661226C1
6	-	-	-	-
7	A62C	1B	LTBL	1661208C1
8	A23-GA	1B	WH	1661211C1
	A23-G	1B	WH	1661211C1

W/ MWM ENGINE

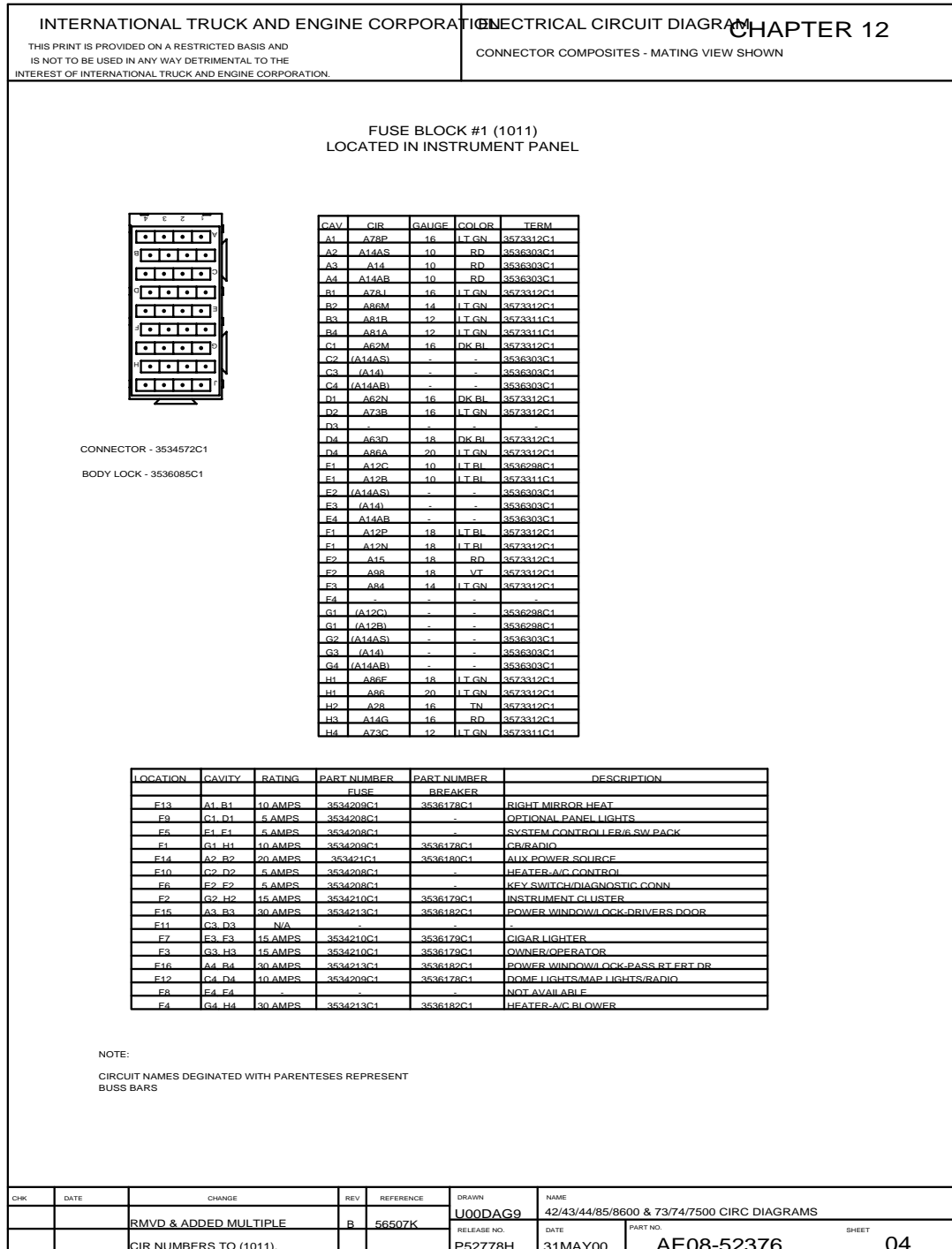
CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
041	7JAN09	ADDED MWM ENGINE	B	61280T	MJV008B	CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
	EFFECT				RELEASE NO. 60650P	DATE 12MAR07 PART NO. AE08-52376 SHEET 03B

Figure 198 Connector Composites (1007), (1008), (1010)

**3200, 4100, 4200, 4300, 4400, 7300, 7400, 7500, 7600, 7700, 8500, 8600, MXT, RXT  
Models Built Oct. 1, 2005 to Feb. 28, 2007 — ELECTRICAL CIRCUIT DIAGRAMS**

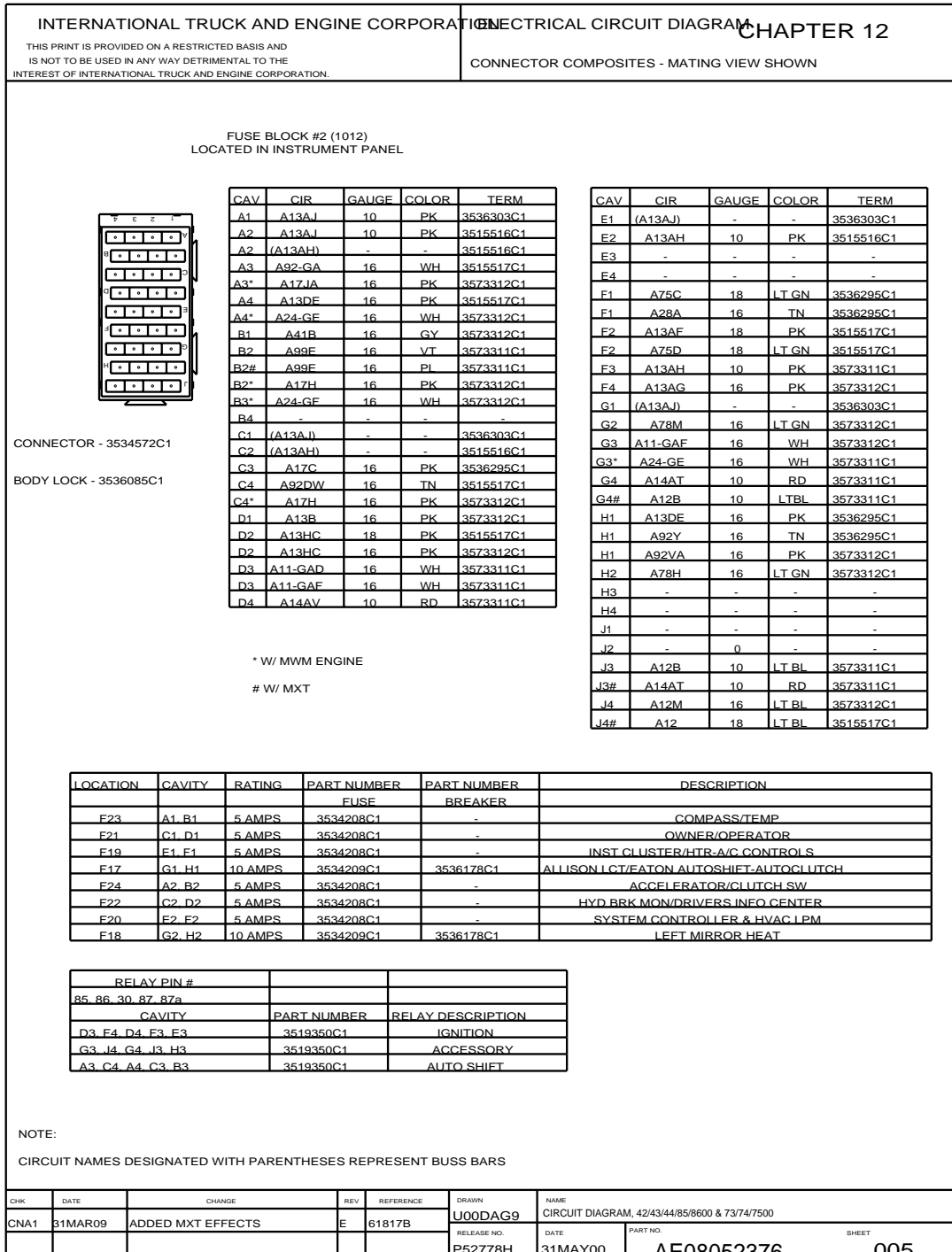
199

## 12.6. CONNECTOR COMPOSITE (1011), P. 4



**Figure 199 Connector Composite (1011)**

## 12.7. CONNECTOR COMPOSITE (1012), P. 5

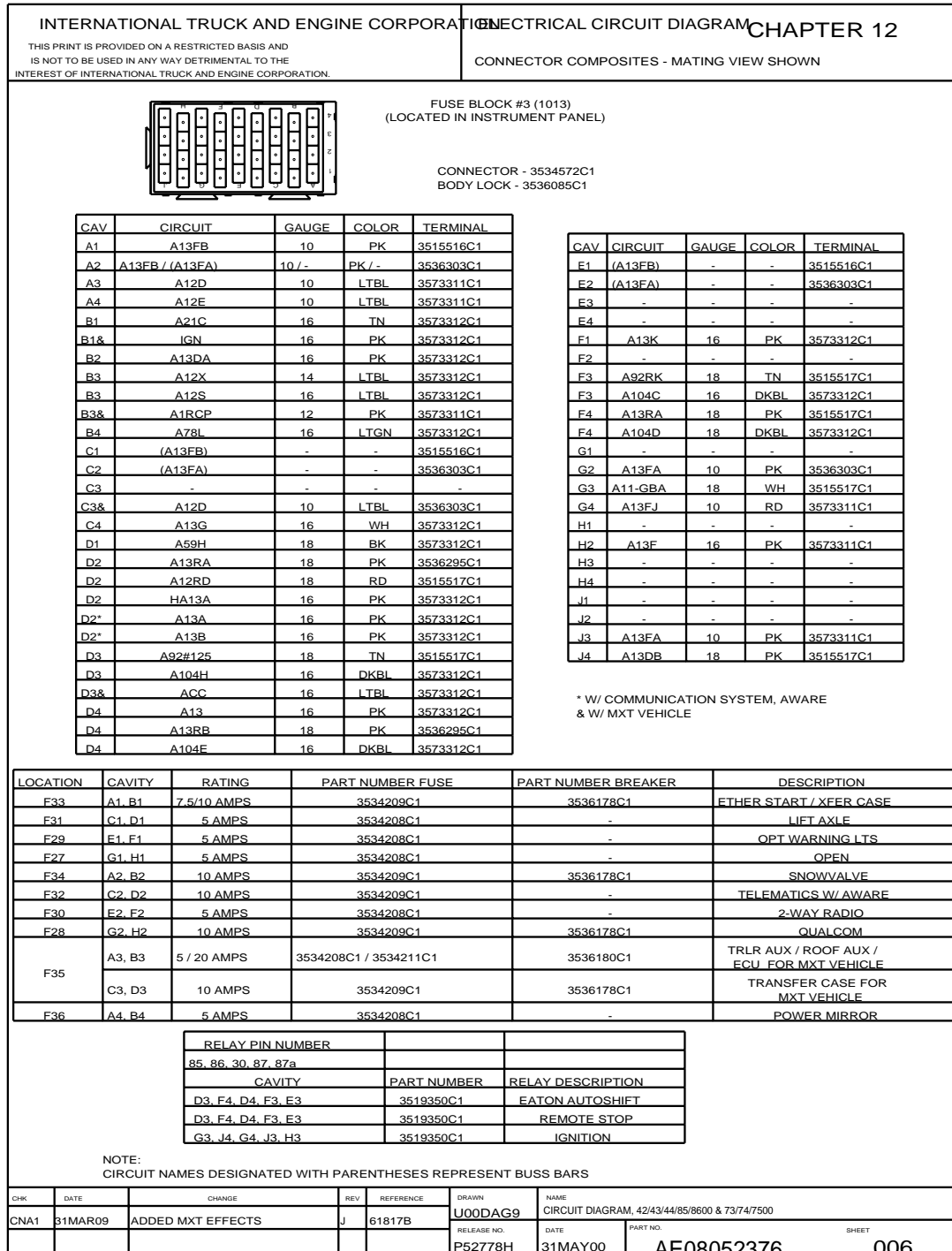


**Figure 200 Connector Composite (1012)**

**3200, 4100, 4200, 4300, 4400, 7300, 7400, 7500, 7600, 7700, 8500, 8600, MXT, RXT**  
**Models Built Oct. 1, 2005 to Feb. 28, 2007 — ELECTRICAL CIRCUIT DIAGRAMS**

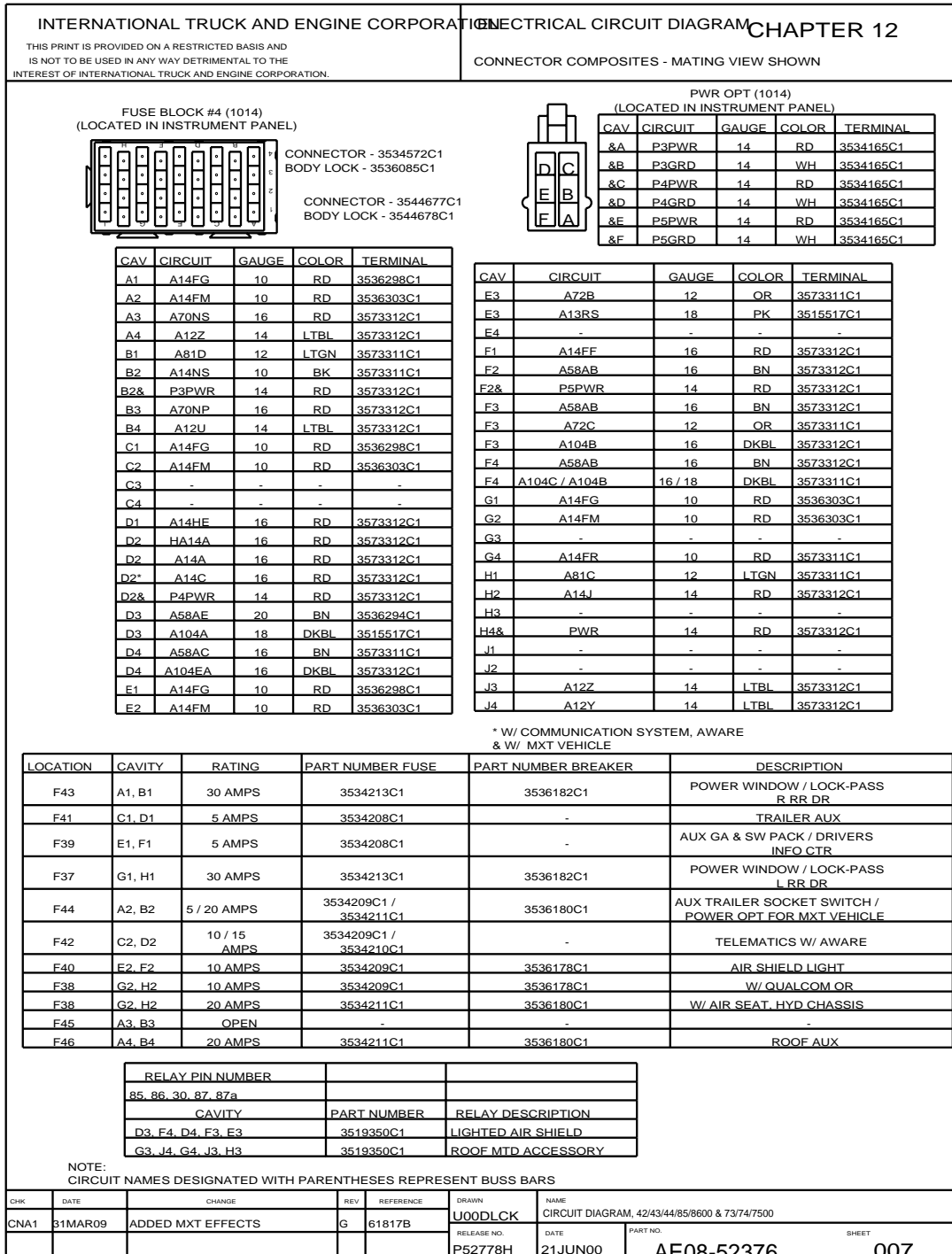
201

## 12.8. CONNECTOR COMPOSITE (1013), P. 6



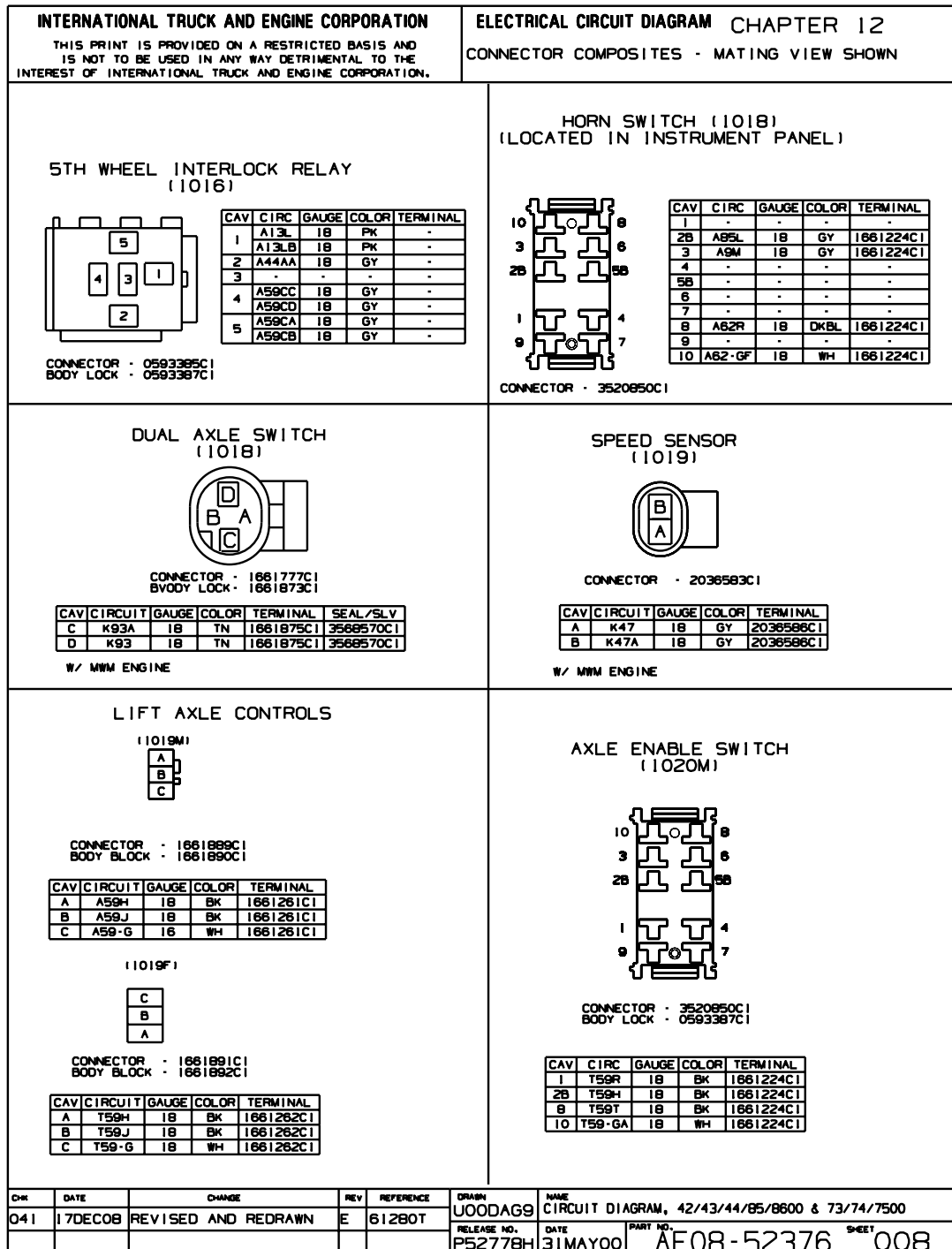
**Figure 201 Connector Composite (1013)**

## 12.9. CONNECTOR COMPOSITE (1014), P. 7



**Figure 202 Connector Composite (1014)**



**12.10. CONNECTOR COMPOSITES (1016), (1018), (1019), (1019F), (1019M), (1020M), P. 8****Figure 203 Connector Composites (1016), (1018), (1019), (1019F), (1019M), (1020M)**

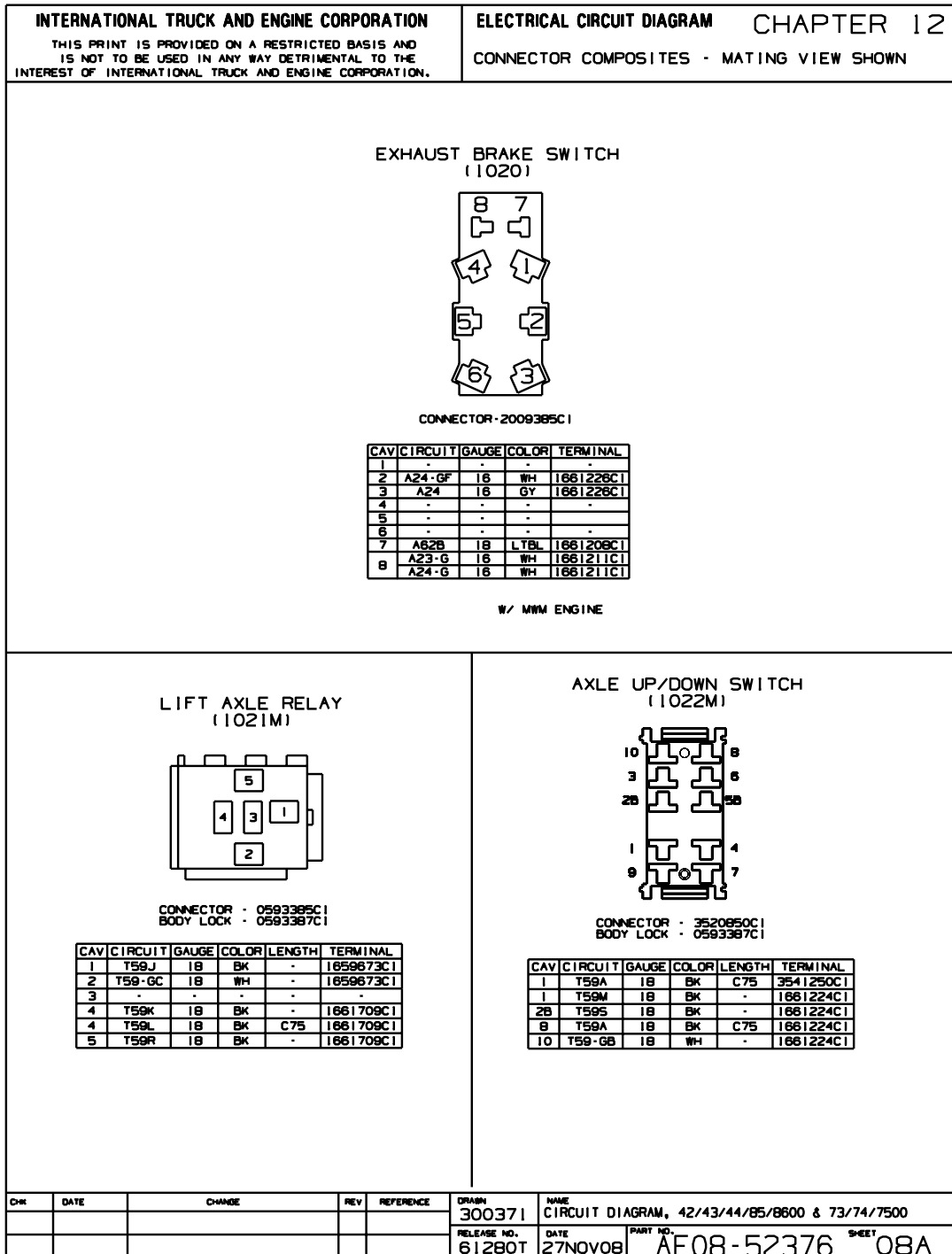








**12.11. CONNECTOR COMPOSITES (1020), (1021M), (1022M), P. 8A**

Figure 204 Connector Composites (1020), (1021M), (1022M)

**3200, 4100, 4200, 4300, 4400, 7300, 7400, 7500, 7600, 7700, 8500, 8600, MXT, RXT**  
**Models Built Oct. 1, 2005 to Feb. 28, 2007 — ELECTRICAL CIRCUIT DIAGRAMS**

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**12.12. CONNECTOR COMPOSITES (1027M, F), (1040), (1100), (1101A), (1101), (1102), P. 9**

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<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p style="text-align: center;">(1027M) CHASSIS CONN (LIFT AXLE)</p>  <p style="text-align: center;">CONNECTOR - 1667305C1 BODY LOCK - 1661263C1</p> <table border="1" style="width: 100%; border-collapse: collapse; font-size: x-small;"> <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>T59MB</td><td>18</td><td>BK</td><td>1661261C1</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>-</td><td>-</td><td>-</td><td>-</td></tr> </tbody> </table> </div> <div style="width: 45%;"> <p style="text-align: center;">(1027F)</p>  <p style="text-align: center;">CONNECTOR - 0475081C1</p> <table border="1" style="width: 100%; border-collapse: collapse; font-size: x-small;"> <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>T59M</td><td>18</td><td>BK</td><td>0241117R1</td></tr> </tbody> </table> </div> </div>								CAV	CIR	GAUGE	COLOR	TERM	A	T59MB	18	BK	1661261C1	B	-	-	-	-	C	-	-	-	-	D	-	-	-	-	CAV	CIR	GAUGE	COLOR	TERM	A	T59M	18	BK	0241117R1																																			
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<p style="text-align: center;">OPTIONAL WARNING LIGHTS ADAPTOR (1040)</p>  <p style="text-align: center;">CONNECTOR - 2006789C1</p> <table border="1" style="width: 100%; border-collapse: collapse; font-size: x-small;"> <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>A13K</td><td>16</td><td>PK</td><td>1661208C1</td></tr> <tr><td>B</td><td>A49C</td><td>18</td><td>GY</td><td>1661208C1</td></tr> <tr><td>C</td><td>A49F</td><td>18</td><td>GY</td><td>1661208C1</td></tr> <tr><td>D</td><td>A42A</td><td>18</td><td>GY</td><td>1661208C1</td></tr> </tbody> </table>				CAV	CIR	GAUGE	COLOR	TERM	A	A13K	16	PK	1661208C1	B	A49C	18	GY	1661208C1	C	A49F	18	GY	1661208C1	D	A42A	18	GY	1661208C1	<p style="text-align: center;">KEY SWITCH (1100) (LOCATED IN INSTRUMENT PANEL)</p>  <p style="text-align: right; font-size: x-small;">* W/ MXT</p> <p style="text-align: center;">CONNECTOR - 3546518C1 BODY LOCK - 3546519C1</p> <table border="1" style="width: 100%; border-collapse: collapse; font-size: x-small;"> <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>18</td><td>RD</td><td>1661209C1</td></tr> <tr><td>B</td><td>A17</td><td>18</td><td>PK</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>A12AB</td><td>18</td><td>LTBL</td><td>1661209C1</td></tr> <tr><td>C</td><td>A12</td><td>18</td><td>LTBL</td><td>1661209C1</td></tr> <tr><td>D</td><td>A13DH</td><td>18</td><td>PK</td><td>1661209C1</td></tr> <tr><td>D</td><td>A104EB</td><td>18</td><td>DKBL</td><td>1661209C1</td></tr> <tr><td>D</td><td>A13DD</td><td>18</td><td>PK</td><td>1661209C1</td></tr> </tbody> </table>				CAV	CIR	GAUGE	COLOR	TERM	A	A15	18	RD	1661209C1	B	A17	18	PK	1661209C1	B*	A17	16	PK	1661209C1	C	A12AB	18	LTBL	1661209C1	C	A12	18	LTBL	1661209C1	D	A13DH	18	PK	1661209C1	D	A104EB	18	DKBL	1661209C1	D	A13DD	18	PK	1661209C1
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<p style="text-align: center;">FUSE BLOCKS 3 &amp; 4 IGN FEED (1102) (LOCATED IN INSTRUMENT PANEL)</p> <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;">  <p style="text-align: center;">CONNECTOR - 1661260C1 BODY LOCK - 1661264C1</p> <table border="1" style="width: 100%; border-collapse: collapse; font-size: x-small;"> <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>A13DC</td><td>18</td><td>PK</td><td>1661261C1</td></tr> <tr><td>B</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> </tbody> </table> </div> <div style="width: 45%;">  <p style="text-align: center;">CONNECTOR - 1661259C1 BODY LOCK - 1661263C1</p> <table border="1" style="width: 100%; border-collapse: collapse; font-size: x-small;"> <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>A13DB</td><td>18</td><td>PK</td><td>1661261C1</td></tr> <tr><td>B</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> </tbody> </table> </div> </div>								CAV	CIR	GAUGE	COLOR	TERM	A	A13DC	18	PK	1661261C1	B	-	-	-	-	CAV	CIR	GAUGE	COLOR	TERM	A	A13DB	18	PK	1661261C1	B	-	-	-	-																																								
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**Figure 205 Connector Composites (1027M, F), (1040), (1100), (1101A), (1101), (1102)**

## 12.13. CONNECTOR COMPOSITES (1104), (1105M), (1106), (1200), (1210), (1240), P. 10

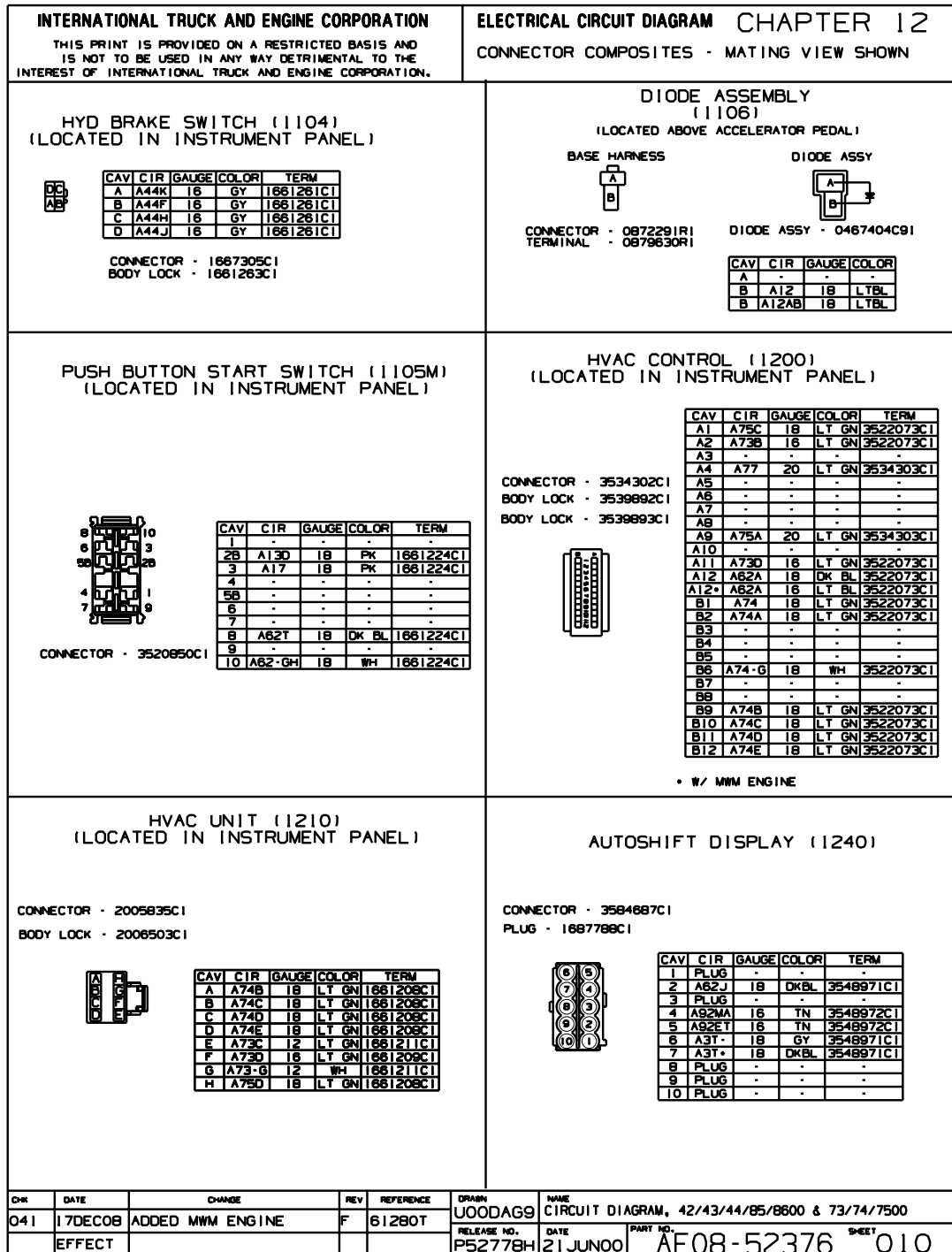
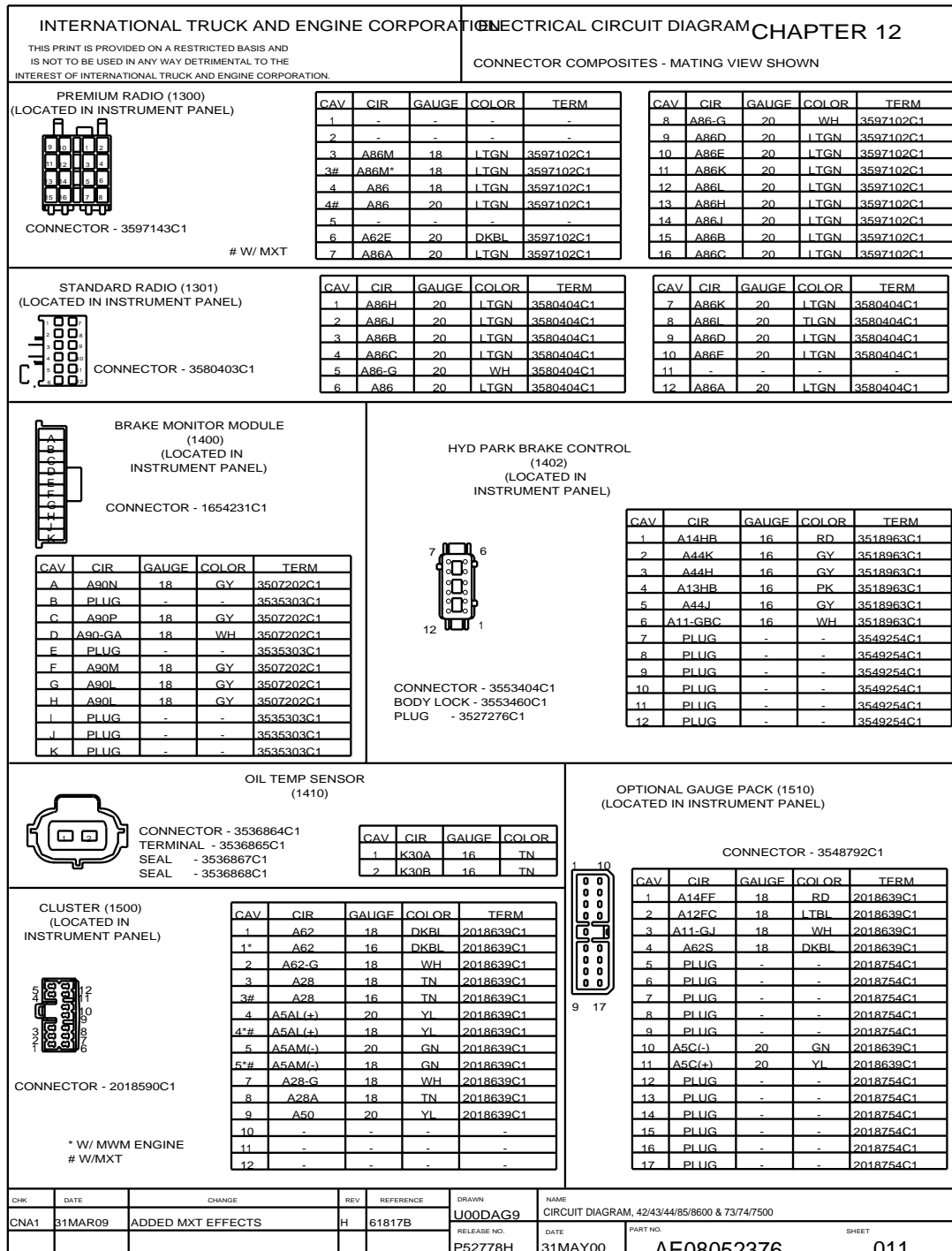


Figure 206 Connector Composites (1104), (1105M), (1106), (1200), (1210), (1240)

**3200, 4100, 4200, 4300, 4400, 7300, 7400, 7500, 7600, 7700, 8500, 8600, MXT, RXT  
Models Built Oct. 1, 2005 to Feb. 28, 2007 — ELECTRICAL CIRCUIT DIAGRAMS**

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**12.14. CONNECTOR COMPOSITES (1300), (1301), (1400), (1402), (1410), (1500), (1510),  
P. 11**



**Figure 207 Connector Composites (1300), (1301), (1400), (1402), (1410), (1500), (1510)**

**3200, 4100, 4200, 4300, 4400, 7300, 7400, 7500, 7600, 7700, 8500, 8600, MXT, RXT**  
**Models Built Oct. 1, 2005 to Feb. 28, 2007 — ELECTRICAL CIRCUIT DIAGRAMS**
**12.15. CONNECTOR COMPOSITES (1553), (1554F), (1555), (1600), (1601), (1650), P. 12**

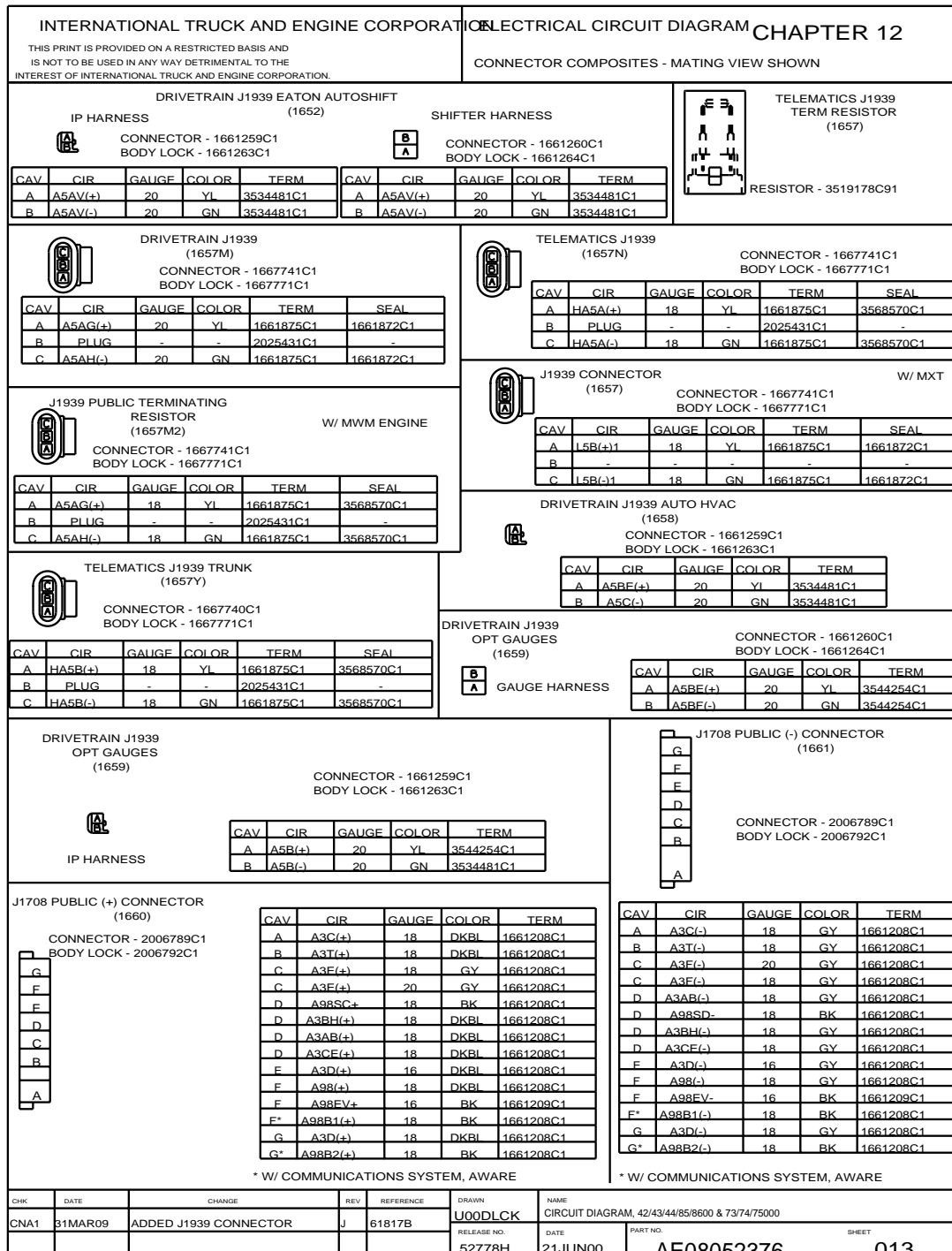
INTERNATIONAL TRUCK AND ENGINE CORPORATION				ELECTRICAL CIRCUIT DIAGRAM CHAPTER 12																																																																																																																																																																																																																																																																							
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																																																																																																																																																																																																																																																																							
<b>DRIVERS SIDE COURTESY LIGHT (1553)</b> (LOCATED IN INSTRUMENT PANEL) CONNECTOR: 3544198C1 BODY LOCK: 3544199C1 <table border="1" style="float: right; border-collapse: collapse;"> <thead> <tr> <th>CAV</th> <th>CIRCUIT</th> <th>GAUGE</th> <th>COLOR</th> <th>TERMINAL</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>A63N</td> <td>18</td> <td>DK BL</td> <td>3544200C1</td> </tr> <tr> <td>B</td> <td>A11-GDW</td> <td>18</td> <td>WH</td> <td>3544200C1</td> </tr> </tbody> </table>				CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	A	A63N	18	DK BL	3544200C1	B	A11-GDW	18	WH	3544200C1	<b>PASSENGER SIDE COURTESY LIGHT CONN. (1554F)</b> CONNECTOR: 3544198C1 BODY LOCK: 3544199C1 <table border="1" style="float: right; border-collapse: collapse;"> <thead> <tr> <th>CAV</th> <th>CIRCUIT</th> <th>GAUGE</th> <th>COLOR</th> <th>TERMINAL</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>A63P</td> <td>18</td> <td>DK BL</td> <td>3544200C1</td> </tr> <tr> <td>B</td> <td>A11-GDV</td> <td>18</td> <td>WH</td> <td>3544200C1</td> </tr> </tbody> </table>				CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	A	A63P	18	DK BL	3544200C1	B	A11-GDV	18	WH	3544200C1																																																																																																																																																																																																																																						
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<b>WARNING LIGHT CONN (1555)</b> <p>CONNECTOR: 2005835C1 BODY LOCK: 2006503C1</p> <table border="1" style="float: right; border-collapse: collapse;"> <thead> <tr> <th>CAV</th> <th>CIRCUIT</th> <th>GAUGE</th> <th>COLOR</th> <th>TERMINAL</th> </tr> </thead> <tbody> <tr> <td>B</td> <td>A49E</td> <td>18</td> <td>GY</td> <td>1661208C1</td> </tr> <tr> <td>D</td> <td>A49C</td> <td>18</td> <td>GY</td> <td>1661208C1</td> </tr> <tr> <td>E</td> <td>A49D</td> <td>18</td> <td>GY</td> <td>1661208C1</td> </tr> <tr> <td>G</td> <td>A49F</td> <td>18</td> <td>GY</td> <td>1661208C1</td> </tr> </tbody> </table> <p>OPT. 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A	A98-G	18	WH	1651968C1																																																																																																																																																																																																																																																																							
B	A98-G	18	VT	1651968C1																																																																																																																																																																																																																																																																							
C	A5AE(+)	20	YL	1651968C1																																																																																																																																																																																																																																																																							
C#	A5AE(+)	18	YL	1651968C1																																																																																																																																																																																																																																																																							
D	A5AE(-)	20	GN	1651968C1																																																																																																																																																																																																																																																																							
D#	A5AE(-)	18	GN	1651968C1																																																																																																																																																																																																																																																																							
F	A3S(+)	18	DK BL	1651968C1																																																																																																																																																																																																																																																																							
F#	A3A(+)	16	DK BL	1651968C1																																																																																																																																																																																																																																																																							
F*	A5AN(+)	18	YL	3517243C1																																																																																																																																																																																																																																																																							
G#	A3A(-)	16	GY	1651968C1																																																																																																																																																																																																																																																																							
G	A3S(-)	18	GY	1651968C1																																																																																																																																																																																																																																																																							
G*	A5AN(-)	18	GN	3517243C1																																																																																																																																																																																																																																																																							
<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>CNA1</td> <td>31MAR09</td> <td>ADDED MXT EFFECTS</td> <td>M</td> <td>61817B</td> <td>U00DLCK</td> <td>CIRCUIT DIAGRAM, 42/43/44/85/8600 &amp; 73/74/7500</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td>RELEASE NO. P52778H</td> <td>DATE 21JUN00</td> </tr> </tbody> </table>				CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME	CNA1	31MAR09	ADDED MXT EFFECTS	M	61817B	U00DLCK	CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500						RELEASE NO. P52778H	DATE 21JUN00	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>PART NO.</th> <th>SHEET</th> </tr> </thead> <tbody> <tr> <td>AE08052376</td> <td>012</td> </tr> </tbody> </table>				PART NO.	SHEET	AE08052376	012																																																																																																																																																																																																																																											
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**Figure 208 Connector Composites (1553), (1554F), (1555), (1600), (1601), (1650)**

**3200, 4100, 4200, 4300, 4400, 7300, 7400, 7500, 7600, 7700, 8500, 8600, MXT, RXT  
Models Built Oct. 1, 2005 to Feb. 28, 2007 — ELECTRICAL CIRCUIT DIAGRAMS**

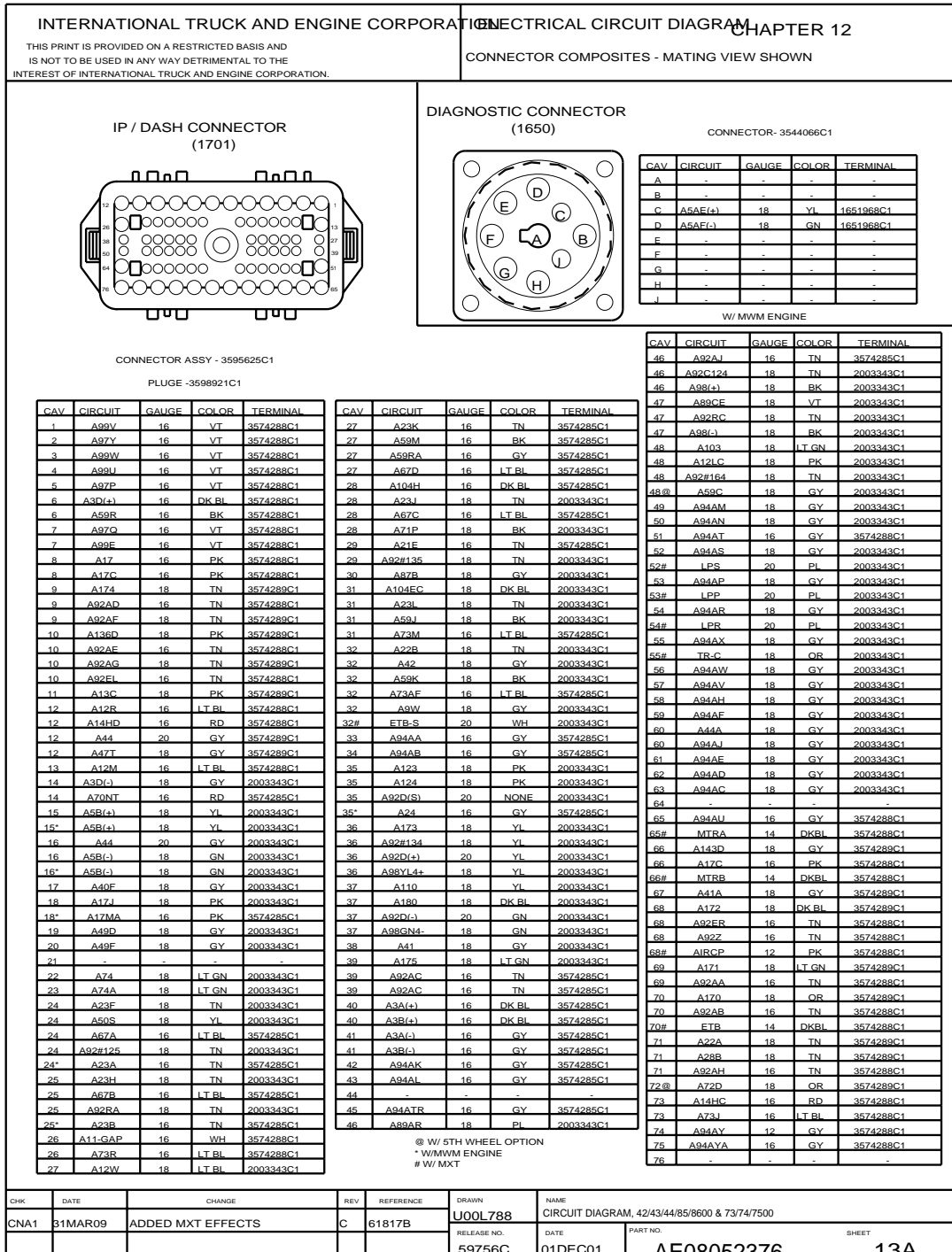
209

**12.16. CONNECTOR COMPOSITES (1652), (1657), (1657M), (1657M2), (1657N), (1657Y), (1658), (1659), (1660), (1661), P. 13**



**Figure 209 Connector Composites (1652), (1657), (1657M), (1657M2), (1657N), (1657Y), (1658), (1659), (1660), (1661)**

## 12.17. CONNECTOR COMPOSITES (1650), (1701), P. 13A

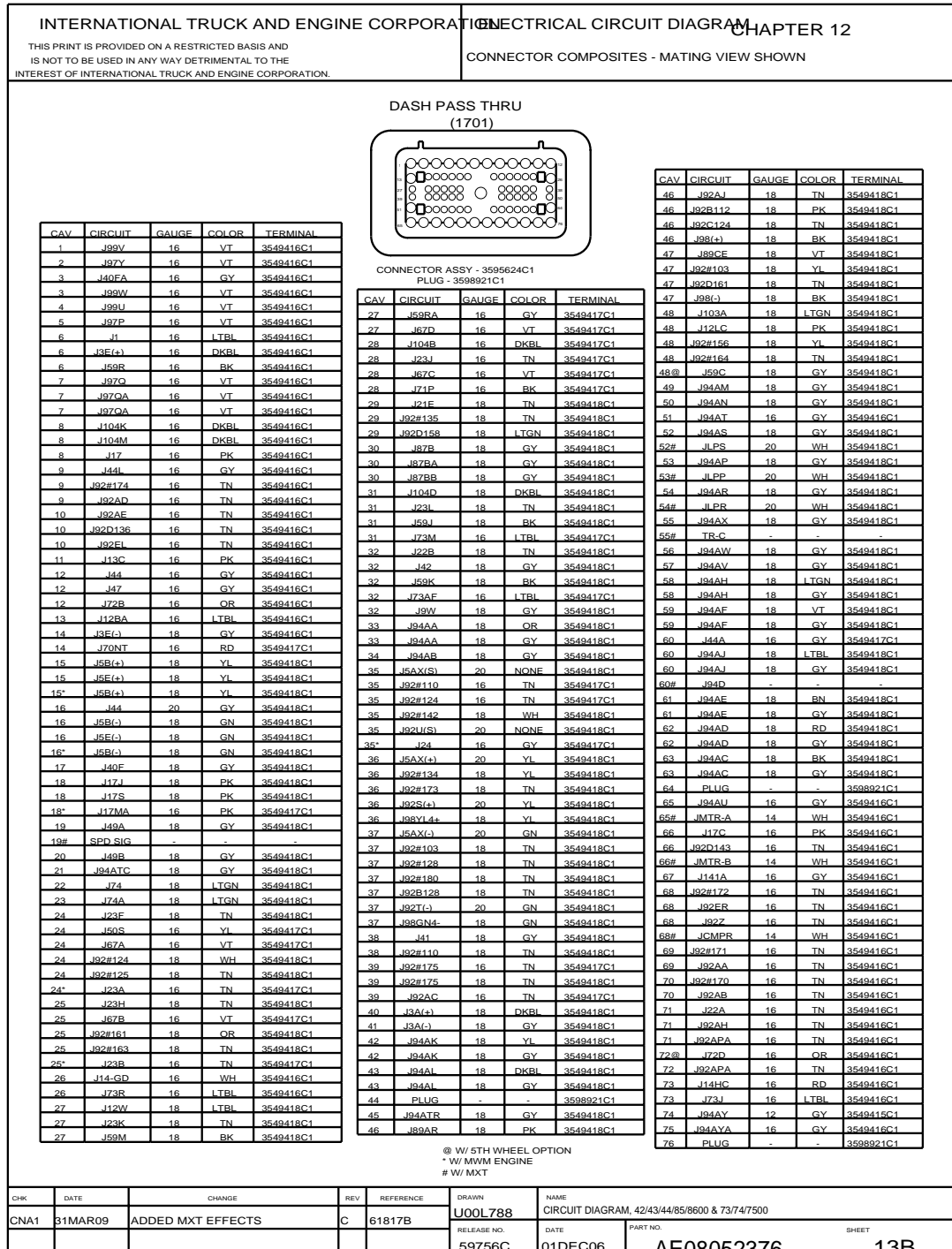

**Figure 210 Connector Composites (1650), (1701)**



**3200, 4100, 4200, 4300, 4400, 7300, 7400, 7500, 7600, 7700, 8500, 8600, MXT, RXT  
Models Built Oct. 1, 2005 to Feb. 28, 2007 — ELECTRICAL CIRCUIT DIAGRAMS**

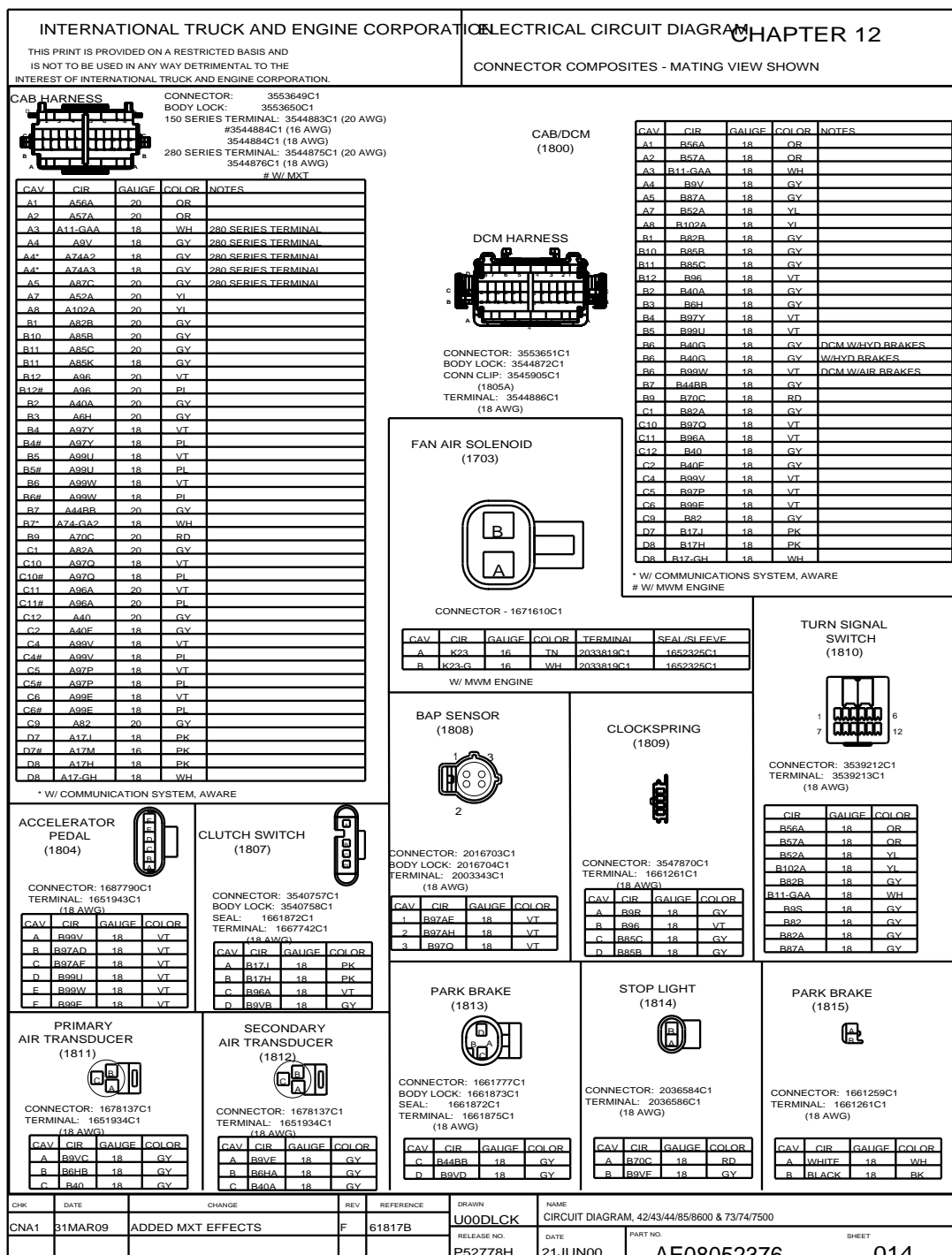
211

## 12.18. CONNECTOR COMPOSITE (1701), P. 13B



**Figure 211 Connector Composite (1701)**

## 12.19. CONNECTOR COMPOSITES (1703), (1800), (1804), (1807), (1808), (1809), (1810), (1811), (1812), (1813), (1814), (1815), P. 14



**Figure 212 Connector Composites (1703), (1800), (1804), (1807), (1808), (1809), (1810), (1811), (1812), (1813), (1814), (1815)**

## 12.20. CONNECTOR COMPOSITES (1820), (1822), (1823), (1824), (1828), (1852), (1860), P. 15

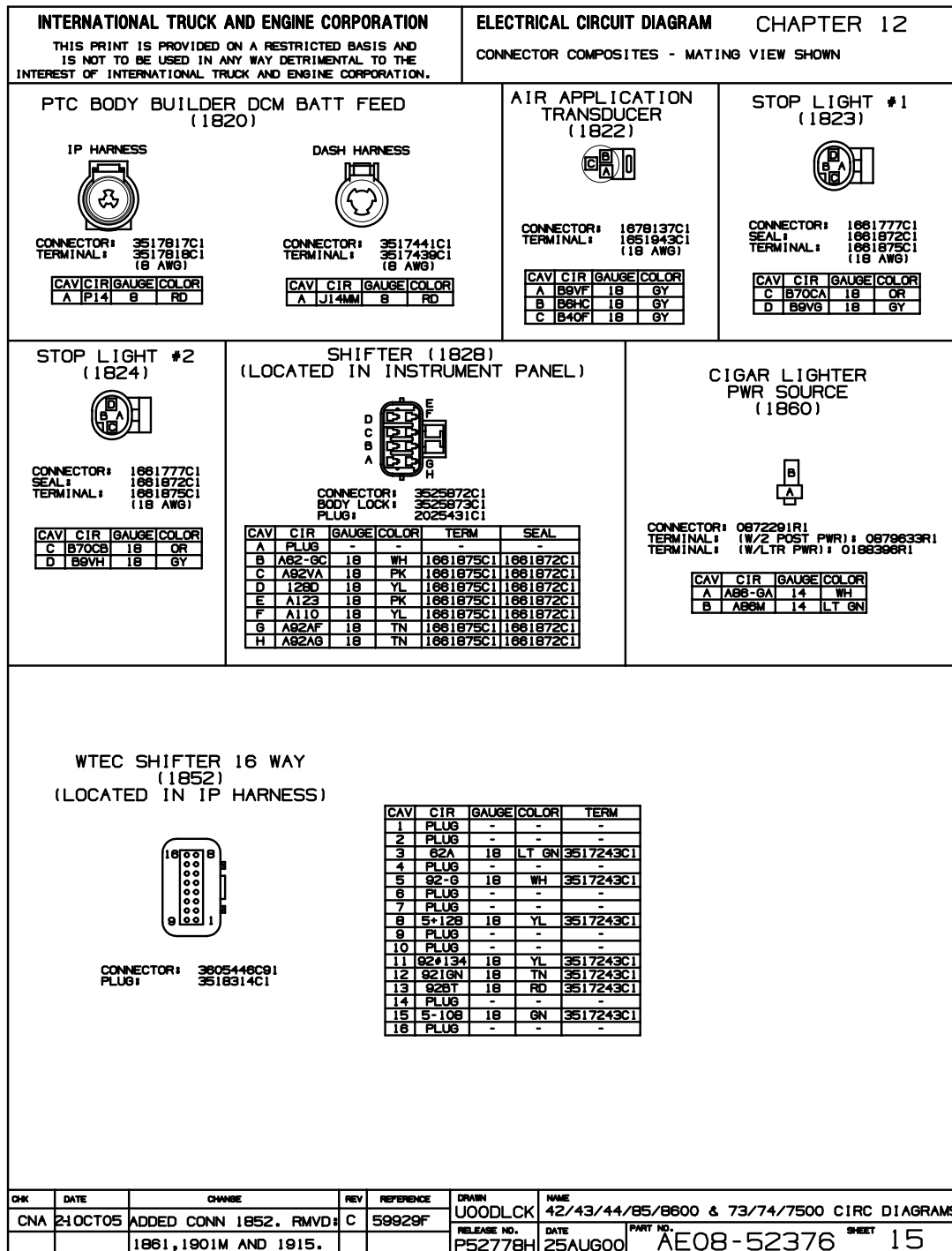


Figure 213 Connector Composites (1820), (1822), (1823), (1824), (1828), (1852), (1860)

**12.21. CONNECTOR COMPOSITES (1861), (1901M), (1905), (1906), (1915), P. 15A**

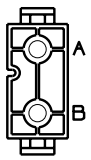
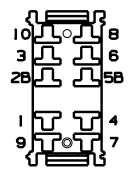
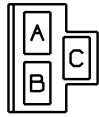
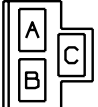
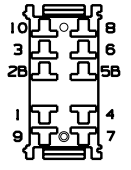
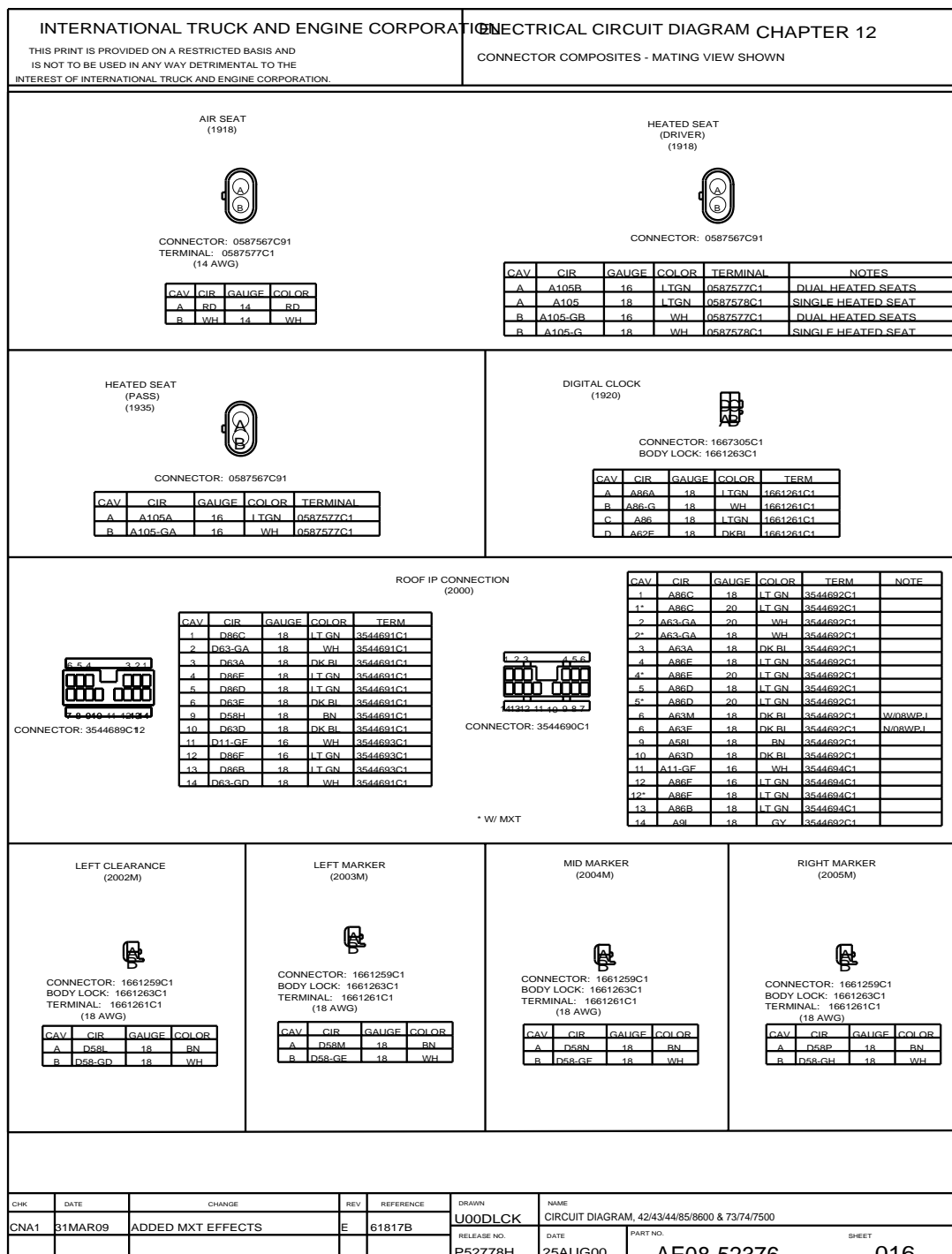
INTERNATIONAL TRUCK AND ENGINE CORPORATION <small>THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF INTERNATIONAL TRUCK AND ENGINE CORPORATION.</small>				ELECTRICAL CIRCUIT DIAGRAM CHAPTER 12 CONNECTOR COMPOSITES - MATING VIEW SHOWN																																																																		
<p><b>TWO POST POWER SOURCE (1861)</b></p>  <p>CONNECTOR: 3517473C TERMINAL: 3517478C 14 AWG</p> <table border="1" style="width: 100%; font-size: 8px;"> <tr><th>CAV</th><th>CIRC</th><th>GA</th><th>COLOR</th></tr> <tr><td>A</td><td>AB8N</td><td>14</td><td>LTGN</td></tr> <tr><td>B</td><td>AB6-GB</td><td>14</td><td>WH</td></tr> </table>	CAV	CIRC	GA	COLOR	A	AB8N	14	LTGN	B	AB6-GB	14	WH	<p><b>SNOW VALVE SWITCH CONN (1901M)</b></p>  <p>CONNECTOR: 3520850C TERMINAL: 1661224C 18 AWG</p> <table border="1" style="width: 100%; font-size: 8px;"> <tr><th>CAV</th><th>CIRC</th><th>GA</th><th>COLOR</th></tr> <tr><td>1</td><td>A23M</td><td>18</td><td>TN</td></tr> <tr><td>3</td><td>A23J</td><td>18</td><td>TN</td></tr> <tr><td>4</td><td>A23L</td><td>18</td><td>TN</td></tr> <tr><td>6</td><td>A23K</td><td>18</td><td>TN</td></tr> <tr><td>7</td><td>A23H</td><td>18</td><td>TN</td></tr> <tr><td>8</td><td>A62P</td><td>18</td><td>LTBL</td></tr> <tr><td>2B</td><td>A13DA</td><td>18</td><td>PK</td></tr> <tr><td>5B</td><td>A23-GA</td><td>18</td><td>WH</td></tr> </table>	CAV	CIRC	GA	COLOR	1	A23M	18	TN	3	A23J	18	TN	4	A23L	18	TN	6	A23K	18	TN	7	A23H	18	TN	8	A62P	18	LTBL	2B	A13DA	18	PK	5B	A23-GA	18	WH	<p><b>FIFTH WHEEL DIODE (1905)</b></p>  <p>CONNECTOR: 0598839C</p> <table border="1" style="width: 100%; font-size: 8px;"> <tr><th>CAV</th><th>CIRC</th><th>GA</th><th>COLOR</th><th>TERMINAL</th></tr> <tr><td>A</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>B</td><td>A59CC</td><td>18</td><td>GY</td><td>0879630R</td></tr> <tr><td>C</td><td>A59CA</td><td>18</td><td>GY</td><td>0333732C</td></tr> </table>	CAV	CIRC	GA	COLOR	TERMINAL	A	-	-	-	-	B	A59CC	18	GY	0879630R	C	A59CA	18	GY	0333732C
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<p><b>CENTER PIN DIODE (1906)</b></p>  <p>CONNECTOR: 0598839C</p> <table border="1" style="width: 100%; font-size: 8px;"> <tr><th>CAV</th><th>CIRC</th><th>GA</th><th>COLOR</th><th>TERMINAL</th></tr> <tr><td>A</td><td>A72E</td><td>18</td><td>OR</td><td>0879630R</td></tr> <tr><td>B</td><td>A13LA</td><td>18</td><td>PK</td><td>0333732C</td></tr> <tr><td>C</td><td>A72D</td><td>18</td><td>OR</td><td>0333732C</td></tr> </table>		CAV	CIRC	GA	COLOR	TERMINAL	A	A72E	18	OR	0879630R	B	A13LA	18	PK	0333732C	C	A72D	18	OR	0333732C	<p><b>AUX ROOF LOAD SWITCH CONN (1915)</b></p>  <p>CONNECTOR: 3520850C</p> <table border="1" style="width: 100%; font-size: 8px;"> <tr><th>CAV</th><th>CIRC</th><th>GA</th><th>COLOR</th><th>TERMINAL</th></tr> <tr><td>2B</td><td>A12X</td><td>14</td><td>LTBL</td><td>1661227C</td></tr> <tr><td>3</td><td>A12Y</td><td>14</td><td>LTBL</td><td>1661227C</td></tr> <tr><td>3</td><td>A12V</td><td>14</td><td>LTBL</td><td>1661227C</td></tr> <tr><td>7</td><td>A12V</td><td>14</td><td>LTBL</td><td>1661227C</td></tr> <tr><td>8</td><td>A62U</td><td>18</td><td>DKBL</td><td>1661224C</td></tr> <tr><td>9</td><td>A12-GA</td><td>18</td><td>WH</td><td>1661224C</td></tr> </table>		CAV	CIRC	GA	COLOR	TERMINAL	2B	A12X	14	LTBL	1661227C	3	A12Y	14	LTBL	1661227C	3	A12V	14	LTBL	1661227C	7	A12V	14	LTBL	1661227C	8	A62U	18	DKBL	1661224C	9	A12-GA	18	WH	1661224C												
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Figure 214 Connector Composites (1861), (1901M), (1905), (1906), (1915)

**3200, 4100, 4200, 4300, 4400, 7300, 7400, 7500, 7600, 7700, 8500, 8600, MXT, RXT  
Models Built Oct. 1, 2005 to Feb. 28, 2007 — ELECTRICAL CIRCUIT DIAGRAMS**















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**12.22. CONNECTOR COMPOSITES (1918), (1935), (1920), (2000), (2002M), (2003M), (2004M), (2005M), P. 16**



**Figure 215 Connector Composites (1918), (1935), (1920), (2000), (2002M), (2003M), (2004M), (2005M)**

**12.23. CONNECTOR COMPOSITES (2006M), (2007F), (2021F), (2021M), (2111M), (2112M), (2113M), (2114M), (2115M), (2116M), (2117M), (2301M), (2302M), (2303M), P. 17**

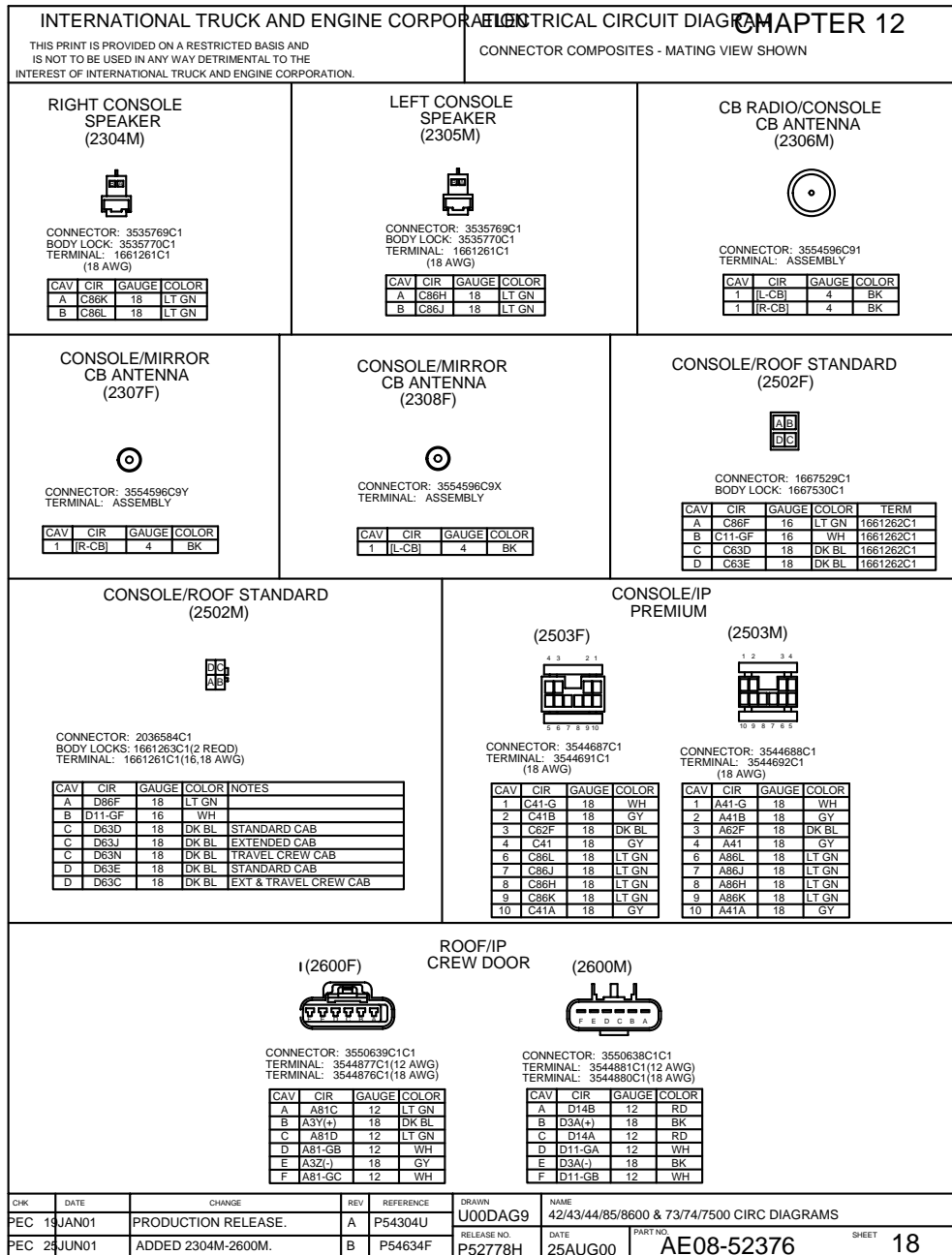
INTERNATIONAL TRUCK AND ENGINE CORPORATION				ELECTRICAL CIRCUIT DIAGRAM CHAPTER 12																																																																																															
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<p>RIGHT CLEARANCE (2006M)</p> <p></p> <p>CONNECTOR:1661259C1 BODY LOCK:1661263C1 TERMINAL:1661261C1 (18 AWG)</p> <table><tr><th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th></tr><tr><td>A</td><td>D58R</td><td>18</td><td>BN</td></tr><tr><td>B</td><td>D58-GJ</td><td>18</td><td>WH</td></tr></table>		CAV	CIR	GAUGE	COLOR	A	D58R	18	BN	B	D58-GJ	18	WH	<p>SUNSHADE (2007F)</p> <p></p> <p>CONNECTOR:1661260C1 BODY LOCK:1661264C1 TERMINAL:1661262C1 (18 AWG)</p> <table><tr><th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th></tr><tr><td>A</td><td>D58T</td><td>18</td><td>BN</td></tr><tr><td>B</td><td>D58-GL</td><td>18</td><td>WH</td></tr></table>		CAV	CIR	GAUGE	COLOR	A	D58T	18	BN	B	D58-GL	18	WH	<p>AUX ROOF/IP CONNECTION (2021F)</p> <p></p> <p>CONNECTOR:3554818C1 BODY LOCK:3554821C1 TERMINAL:3534167C1 (14AWG) TERMINAL:1661212C1 (18AWG)</p> <table><tr><th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th></tr><tr><td>A</td><td>D58W</td><td>14</td><td>BN</td></tr><tr><td>B</td><td>D58-GW</td><td>14</td><td>WH</td></tr><tr><td>WH</td><td>18</td><td>WH</td><td></td></tr></table>		CAV	CIR	GAUGE	COLOR	A	D58W	14	BN	B	D58-GW	14	WH	WH	18	WH		<p>IP/AUX ROOF CONNECTION (2021M)</p> <p></p> <p>CONNECTOR:3554817C1 BODY LOCK:3554820C1 TERMINAL:3534165C1 (14AWG) TERMINAL:3534164C1 (18AWG)</p> <table><tr><th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th></tr><tr><td>A</td><td>A12U</td><td>14</td><td>LTBL</td></tr><tr><td>B</td><td>A58AD</td><td>18</td><td>BN</td></tr><tr><td>A12-GB</td><td>14</td><td>WH</td><td></td></tr><tr><td>A11-GHF</td><td>18</td><td>WH</td><td></td></tr></table>		CAV	CIR	GAUGE	COLOR	A	A12U	14	LTBL	B	A58AD	18	BN	A12-GB	14	WH		A11-GHF	18	WH																																	
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<p>RIGHT DOOR DOME SWITCH (2111M)</p> <p></p> <p>CONNECTOR:2036584C1 TERMINAL:2036586C1 (18 AWG)</p> <table><tr><th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th></tr><tr><td>A</td><td>D63B</td><td>18</td><td>DKBL</td></tr><tr><td>B</td><td>D6N</td><td>18</td><td>GY</td></tr></table>		CAV	CIR	GAUGE	COLOR	A	D63B	18	DKBL	B	D6N	18	GY	<p>LEFT DOOR DOME SWITCH (2112M)</p> <p></p> <p>CONNECTOR:2036584C1 TERMINAL:2036586C1 (18 AWG)</p> <table><tr><th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>NOTES</th></tr><tr><td>A</td><td>D63H</td><td>18</td><td>DKBL</td><td></td></tr><tr><td>B</td><td>D63A</td><td>18</td><td>DKBL</td><td>PTC</td></tr><tr><td>D9D</td><td>18</td><td>GY</td><td></td><td></td></tr><tr><td>D9L</td><td>18</td><td>GY</td><td></td><td>PTC</td></tr></table>		CAV	CIR	GAUGE	COLOR	NOTES	A	D63H	18	DKBL		B	D63A	18	DKBL	PTC	D9D	18	GY			D9L	18	GY		PTC	<p>RIGHT CREW DOOR DOME SWITCH (2113M)</p> <p></p> <p>CONNECTOR:2036584C1 TERMINAL:2036586C1 (18 AWG)</p> <table><tr><th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th></tr><tr><td>A</td><td>D63J</td><td>18</td><td>DKBL</td></tr><tr><td>B</td><td>D6W</td><td>18</td><td>GY</td></tr></table>		CAV	CIR	GAUGE	COLOR	A	D63J	18	DKBL	B	D6W	18	GY	<p>LEFT CREW DOOR DOME SWITCH (2114M)</p> <p></p> <p>CONNECTOR:2036584C1 TERMINAL:2036586C1 (18 AWG)</p> <table><tr><th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th></tr><tr><td>A</td><td>D63K</td><td>18</td><td>DKBL</td></tr><tr><td>B</td><td>D9Y</td><td>18</td><td>GY</td></tr></table>		CAV	CIR	GAUGE	COLOR	A	D63K	18	DKBL	B	D9Y	18	GY																															
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<p>REAR DOME LIGHT (2115M)</p> <p></p> <p>CONNECTOR:1661889C1 BODY LOCK:1661890C1 TERMINAL:1661261C1 (18 AWG)</p> <table><tr><th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th></tr><tr><td>A</td><td>D63L</td><td>18</td><td>DKBL</td></tr><tr><td>B</td><td>D63-GH</td><td>18</td><td>WH</td></tr><tr><td>C</td><td>D63K</td><td>18</td><td>DKBL</td></tr></table>		CAV	CIR	GAUGE	COLOR	A	D63L	18	DKBL	B	D63-GH	18	WH	C	D63K	18	DKBL	<p>DOME LAMP (2116M)</p> <p></p> <p>CONNECTOR:3536187C1 BODY LOCK:1661890C1 TERMINAL:1661261C1 (18 AWG)</p> <table><tr><th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>NOTES</th></tr><tr><td>A</td><td>D63D</td><td>18</td><td>DKBL</td><td></td></tr><tr><td>B</td><td>D63-GE</td><td>18</td><td>WH</td><td>W/DUAL CB</td></tr><tr><td>C</td><td>C11-GF</td><td>18</td><td>WH</td><td>W/O CB</td></tr><tr><td>C</td><td>C63E</td><td>18</td><td>DKBL</td><td></td></tr></table>		CAV	CIR	GAUGE	COLOR	NOTES	A	D63D	18	DKBL		B	D63-GE	18	WH	W/DUAL CB	C	C11-GF	18	WH	W/O CB	C	C63E	18	DKBL		<p>DOME/READING LIGHT COMPASS/TEMP UNIT (2117M)</p> <p></p> <p>CONNECTOR:3515762C1 BODY LOCK:3515764C1-2 TERMINAL:1661261C1 (18 AWG)</p> <table><tr><th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th></tr><tr><td>A</td><td>C41-G</td><td>18</td><td>WH</td></tr><tr><td>B</td><td>C63-GE</td><td>18</td><td>WH</td></tr><tr><td>C</td><td>C63D</td><td>18</td><td>DKBL</td></tr><tr><td>D</td><td>C41B</td><td>18</td><td>GY</td></tr><tr><td>E</td><td>C62F</td><td>18</td><td>DKBL</td></tr><tr><td>F</td><td>C63E</td><td>18</td><td>DKBL</td></tr><tr><td>G</td><td>C41</td><td>18</td><td>GY</td></tr><tr><td>H</td><td>C41A</td><td>18</td><td>GY</td></tr></table>		CAV	CIR	GAUGE	COLOR	A	C41-G	18	WH	B	C63-GE	18	WH	C	C63D	18	DKBL	D	C41B	18	GY	E	C62F	18	DKBL	F	C63E	18	DKBL	G	C41	18	GY	H	C41A	18	GY	<p>RIGHT REAR SPEAKER (2301M)</p> <p></p> <p>CONNECTOR:3535769C1 TERMINAL:3535770C1</p> <table><tr><th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>TERM</th></tr><tr><td>A</td><td>D66D</td><td>18</td><td>LTGN</td><td>1661261C1</td></tr><tr><td>B</td><td>D66E</td><td>18</td><td>LTGN</td><td>1661261C1</td></tr></table>		CAV	CIR	GAUGE	COLOR	TERM	A	D66D	18	LTGN	1661261C1	B	D66E	18	LTGN	1661261C1
CAV	CIR	GAUGE	COLOR																																																																																																
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A	D66D	18	LTGN	1661261C1																																																																																															
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<p>LEFT REAR SPEAKER (2302M)</p> <p></p> <p>CONNECTOR:3535769C1 TERMINAL:3535770C1 TERMINAL:1661261C1 (18 AWG)</p> <table><tr><th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th></tr><tr><td>A</td><td>D66B</td><td>18</td><td>LTGN</td></tr><tr><td>B</td><td>D66C</td><td>18</td><td>LTGN</td></tr></table>		CAV	CIR	GAUGE	COLOR	A	D66B	18	LTGN	B	D66C	18	LTGN	<p>CB RADIO POWER (2303M)</p> <p></p> <p>CONNECTOR:1661197C1 TERMINAL:1661212C1 (18 AWG)</p> <table><tr><th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th></tr><tr><td>A</td><td>C66F</td><td>18</td><td>LTGN</td></tr><tr><td>B</td><td>C66-GF</td><td>18</td><td>WH</td></tr></table>		CAV	CIR	GAUGE	COLOR	A	C66F	18	LTGN	B	C66-GF	18	WH																																																																								
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CNA	22DEC05	COMBINED 2021F/2022F AND 2021M/2022M.	C	59581V	UOODLCK	42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS	P52778H	25AUG00	AE08-52376	17																																																																																									

**Figure 216 Connector Composites (2006M), (2007F), (2021F), (2021M), (2111M), (2112M), (2113M), (2114M), (2115M), (2116M), (2117M), (2301M), (2302M), (2303M)**

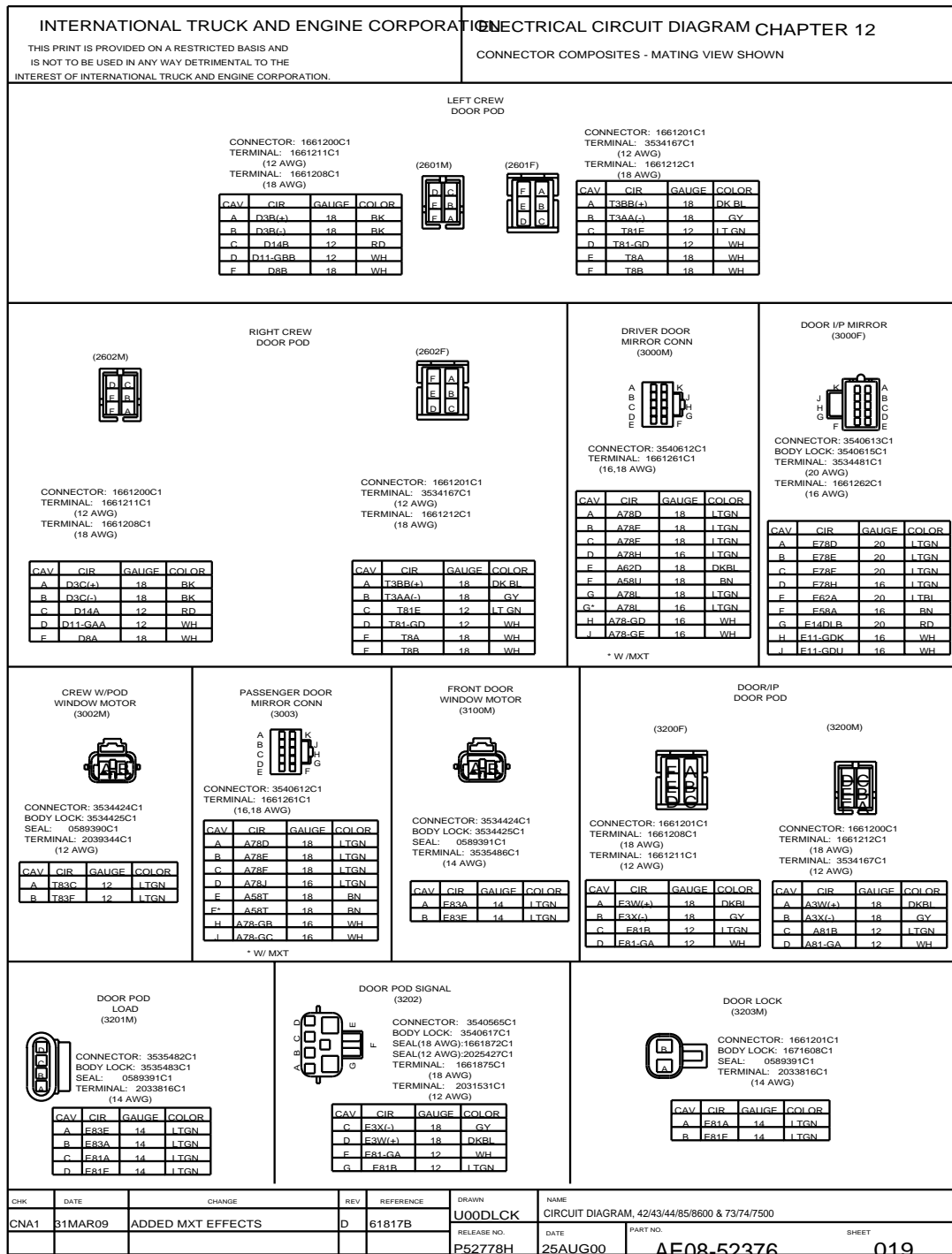
**3200, 4100, 4200, 4300, 4400, 7300, 7400, 7500, 7600, 7700, 8500, 8600, MXT, RXT  
Models Built Oct. 1, 2005 to Feb. 28, 2007 — ELECTRICAL CIRCUIT DIAGRAMS**

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**12.24. CONNECTOR COMPOSITES (2304M), (2305M), (2306M), (2307F), (2308F),  
(2502F), (2502M), (2503F, M), (2600F, M), P. 18**



**Figure 217 Connector Composites (2304M), (2305M), (2306M), (2307F), (2308F), (2502F), (2502M), (2503F, M), (2600F, M)**







**12.25. CONNECTOR COMPOSITES (2601M, F), (2602M, F), (3000M), (3000F), (3002M), (3003), (3100M), (3200F, M), (3201M), (3202), (3203M), P. 19**

**Figure 218 Connector Composites (2601M, F), (2602M, F), (3000M), (3000F), (3002M), (3003), (3100M), (3200F, M), (3201M), (3202), (3203M)**



**3200, 4100, 4200, 4300, 4400, 7300, 7400, 7500, 7600, 7700, 8500, 8600, MXT, RXT  
Models Built Oct. 1, 2005 to Feb. 28, 2007 — ELECTRICAL CIRCUIT DIAGRAMS**

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## 12.26. CONNECTOR COMPOSITES (3204M, F), (3209), (3210M), (3211M), (4000), P. 20

INTERNATIONAL TRUCK AND ENGINE CORPORATION				ELECTRICAL CIRCUIT DIAGRAM				CHAPTER 12																																																			
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																																																			
DOOR/IP DOOR POD																																																											
(3204M)				(3204F)																																																							
																																																											
CONNECTOR: 1661200C1 TERMINAL: 1661211C1 (12 AWG) TERMINAL: 1661208C1 (18 AWG)				CONNECTOR: 1661201C1 TERMINAL: 3534167C1 (20 AWG) TERMINAL: 1661212C1 (14 AWG)																																																							
<table border="1" style="width: 100%; font-size: x-small;"> <tr><th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th></tr> <tr><td>A</td><td>A3N(L)</td><td>18</td><td>DKRL</td></tr> <tr><td>B</td><td>A3P(L)</td><td>18</td><td>GY</td></tr> <tr><td>C</td><td>A81A</td><td>12</td><td>LTGN</td></tr> <tr><td>D</td><td>A81G</td><td>12</td><td>WH</td></tr> </table>				CAV	CIR	GAUGE	COLOR	A	A3N(L)	18	DKRL	B	A3P(L)	18	GY	C	A81A	12	LTGN	D	A81G	12	WH	<table border="1" style="width: 100%; font-size: x-small;"> <tr><th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th></tr> <tr><td>A</td><td>E3W(L)</td><td>18</td><td>DKRL</td></tr> <tr><td>B</td><td>E3X(L)</td><td>18</td><td>GY</td></tr> <tr><td>C</td><td>E81B</td><td>14</td><td>LTGN</td></tr> <tr><td>D</td><td>E81GA</td><td>14</td><td>WH</td></tr> </table>				CAV	CIR	GAUGE	COLOR	A	E3W(L)	18	DKRL	B	E3X(L)	18	GY	C	E81B	14	LTGN	D	E81GA	14	WH												
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C	E81B	14	LTGN																																																								
D	E81GA	14	WH																																																								
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								CONNECTOR: 1661200C1 BODY LOCK: 3540617C1 SEAL(18 AWG): 1661872C1 SEAL(12 AWG): 2025427C1 TERMINAL: 2031531C1 (12 AWG) TERMINAL: 1661875C1 (18 AWG)																																																			
<table border="1" style="width: 100%; font-size: x-small;"> <tr><th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th></tr> <tr><td>A</td><td>T8A</td><td>18</td><td>WH</td></tr> <tr><td>B</td><td>T8B</td><td>18</td><td>WH</td></tr> <tr><td>C</td><td>T3AA(L)</td><td>18</td><td>GY</td></tr> <tr><td>D</td><td>T3BB(L)</td><td>18</td><td>DKRL</td></tr> <tr><td>E</td><td>T81GD</td><td>12</td><td>WH</td></tr> <tr><td>G</td><td>T81E</td><td>12</td><td>LTGN</td></tr> </table>								CAV	CIR	GAUGE	COLOR	A	T8A	18	WH	B	T8B	18	WH	C	T3AA(L)	18	GY	D	T3BB(L)	18	DKRL	E	T81GD	12	WH	G	T81E	12	LTGN																								
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DOOR POD LOAD (3210M)																																																											
								CONNECTOR: 3535482C1 BODY LOCK: 3535483C1 SEAL: 0589390C1 TERMINAL: 2033816C1 (12 AWG)																																																			
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MAXI-FUSE BLOCK (4000)																																																											
(LOCATED IN POWER DISTRIBUTION CENTER)																																																											
																																																											
CONNECTOR - 3545997C1 LOCK - 3515520C1 BOLT - 22728R1 WASHER - 178474 NUT - 9413992																																																											
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6	-	-	-	-	-																																																						
STUD	J14AV	-	-	0373759C2	W/MXT																																																						
<table border="1" style="width: 100%; font-size: x-small;"> <tr><th>LOCATION</th><th>FUSE</th><th>PART NUMBER</th><th>DESCRIPTION</th></tr> <tr><td>A1-B1</td><td>40 AMP</td><td>3534204C1</td><td>ELECTRA-SHIFT PTO</td></tr> <tr><td>A1-B1</td><td>40 AMP</td><td>3534204C1</td><td>AUX 40 AMP CIRCUIT</td></tr> <tr><td>A2-B2</td><td>60 AMP</td><td>3525615C1</td><td>60 AMP PWR FEED</td></tr> <tr><td>A3-B3</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>A4-B4</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>A5-B5</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>A6-B6</td><td>-</td><td>-</td><td>-</td></tr> </table>												LOCATION	FUSE	PART NUMBER	DESCRIPTION	A1-B1	40 AMP	3534204C1	ELECTRA-SHIFT PTO	A1-B1	40 AMP	3534204C1	AUX 40 AMP CIRCUIT	A2-B2	60 AMP	3525615C1	60 AMP PWR FEED	A3-B3	-	-	-	A4-B4	-	-	-	A5-B5	-	-	-	A6-B6	-	-	-																
LOCATION	FUSE	PART NUMBER	DESCRIPTION																																																								
A1-B1	40 AMP	3534204C1	ELECTRA-SHIFT PTO																																																								
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A2-B2	60 AMP	3525615C1	60 AMP PWR FEED																																																								
A3-B3	-	-	-																																																								
A4-B4	-	-	-																																																								
A5-B5	-	-	-																																																								
A6-B6	-	-	-																																																								
CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME																																																					
CNA1	31MAR09	ADDED MXT EFFECTS	E	61817B	U00DAG9	CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500																																																					
					RELEASE NO.	DATE																																																					
					P52778H	23JUN00																																																					
						PART NO.																																																					
						AE08052376																																																					
						SHEET																																																					
						020																																																					

**Figure 219 Connector Composites (3204M, F), (3209), (3210M), (3211M), (4000)**

# 3200, 4100, 4200, 4300, 4400, 7300, 7400, 7500, 7600, 7700, 8500, 8600, MXT, RXT Models Built Oct. 1, 2005 to Feb. 28, 2007 — ELECTRICAL CIRCUIT DIAGRAMS

## 12.27. CONNECTOR COMPOSITE (4001), P. 21

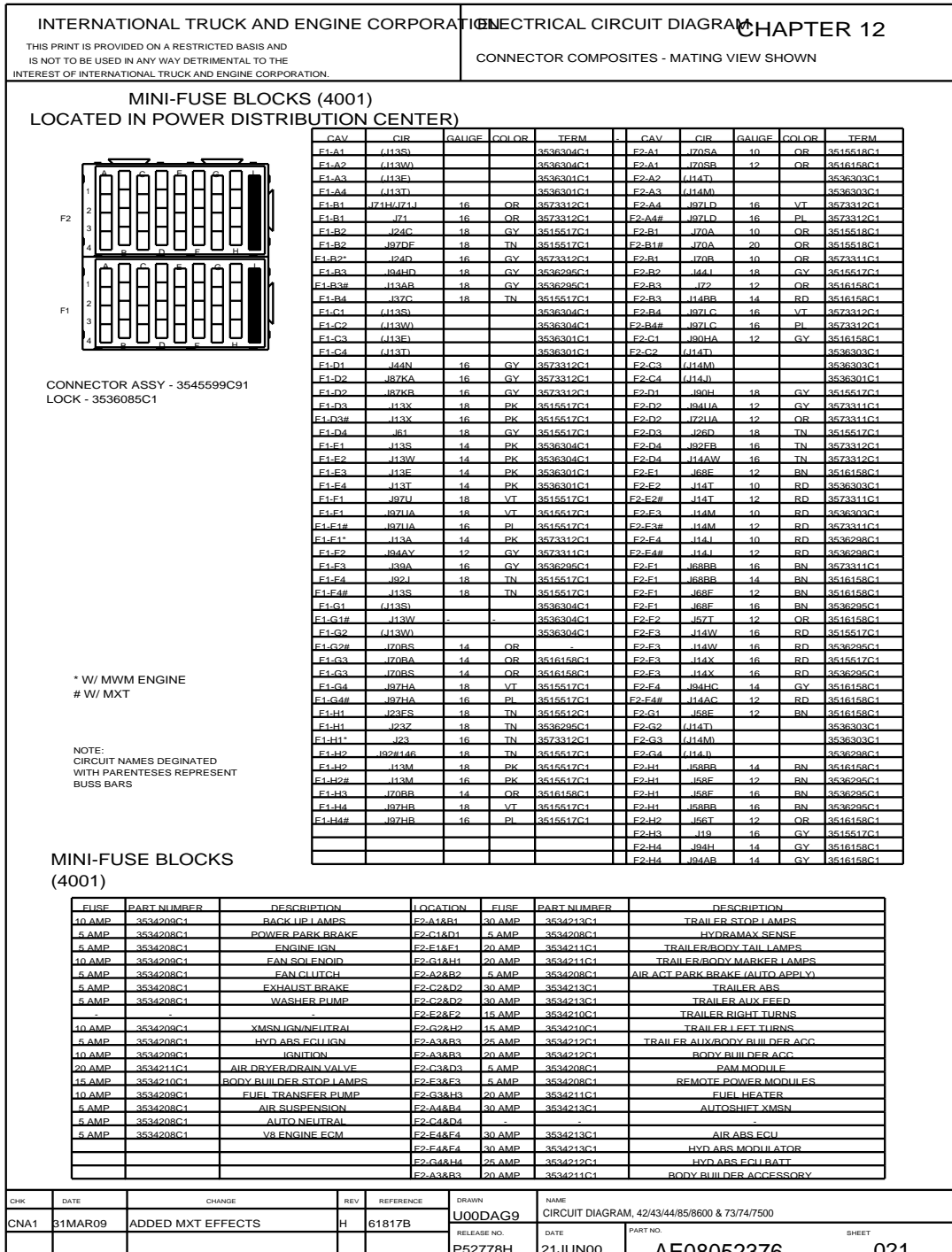


Figure 220 Connector Composite (4001)

**3200, 4100, 4200, 4300, 4400, 7300, 7400, 7500, 7600, 7700, 8500, 8600, MXT, RXT  
Models Built Oct. 1, 2005 to Feb. 28, 2007 — ELECTRICAL CIRCUIT DIAGRAMS**

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## 12.28. CONNECTOR COMPOSITE (4002), P. 22

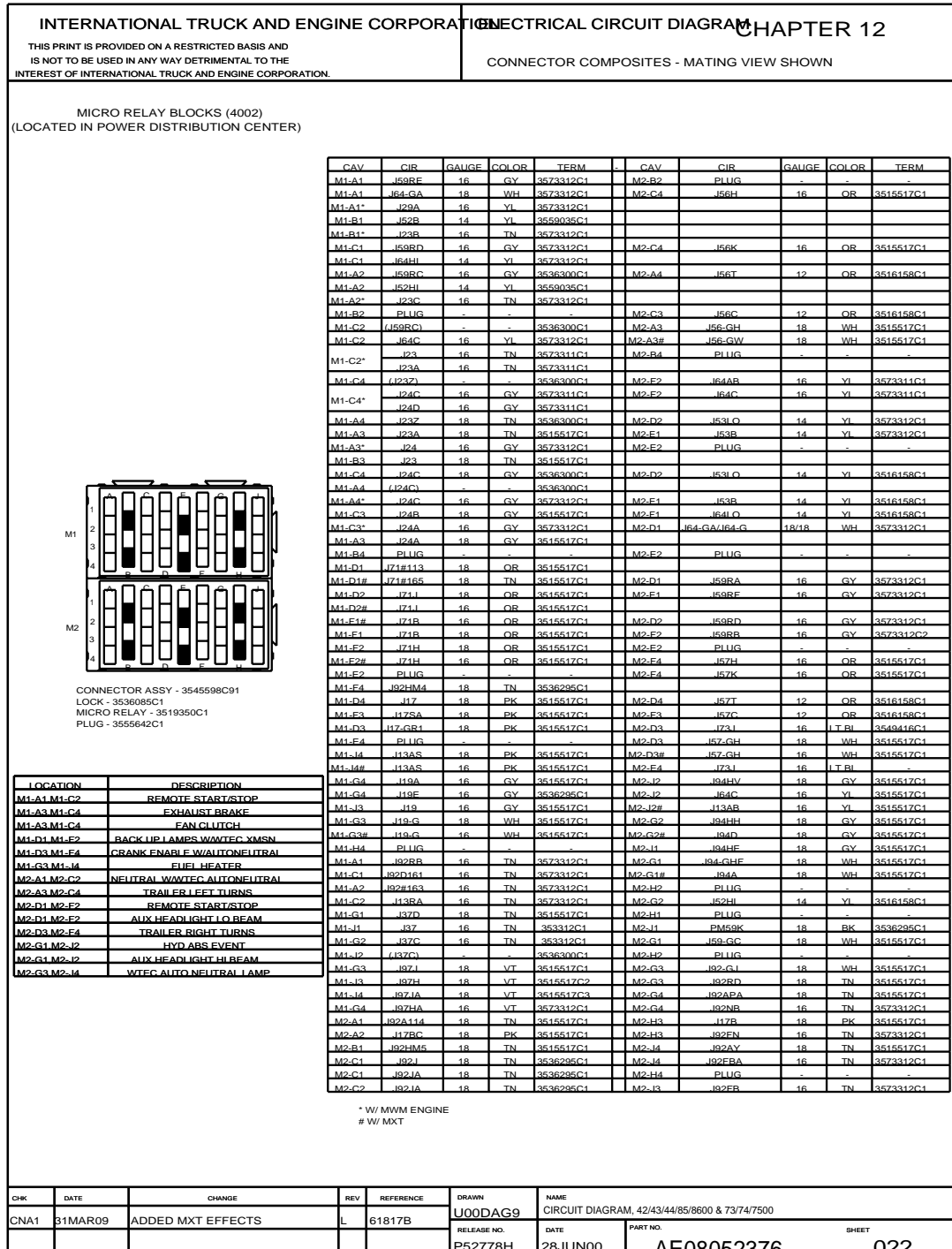
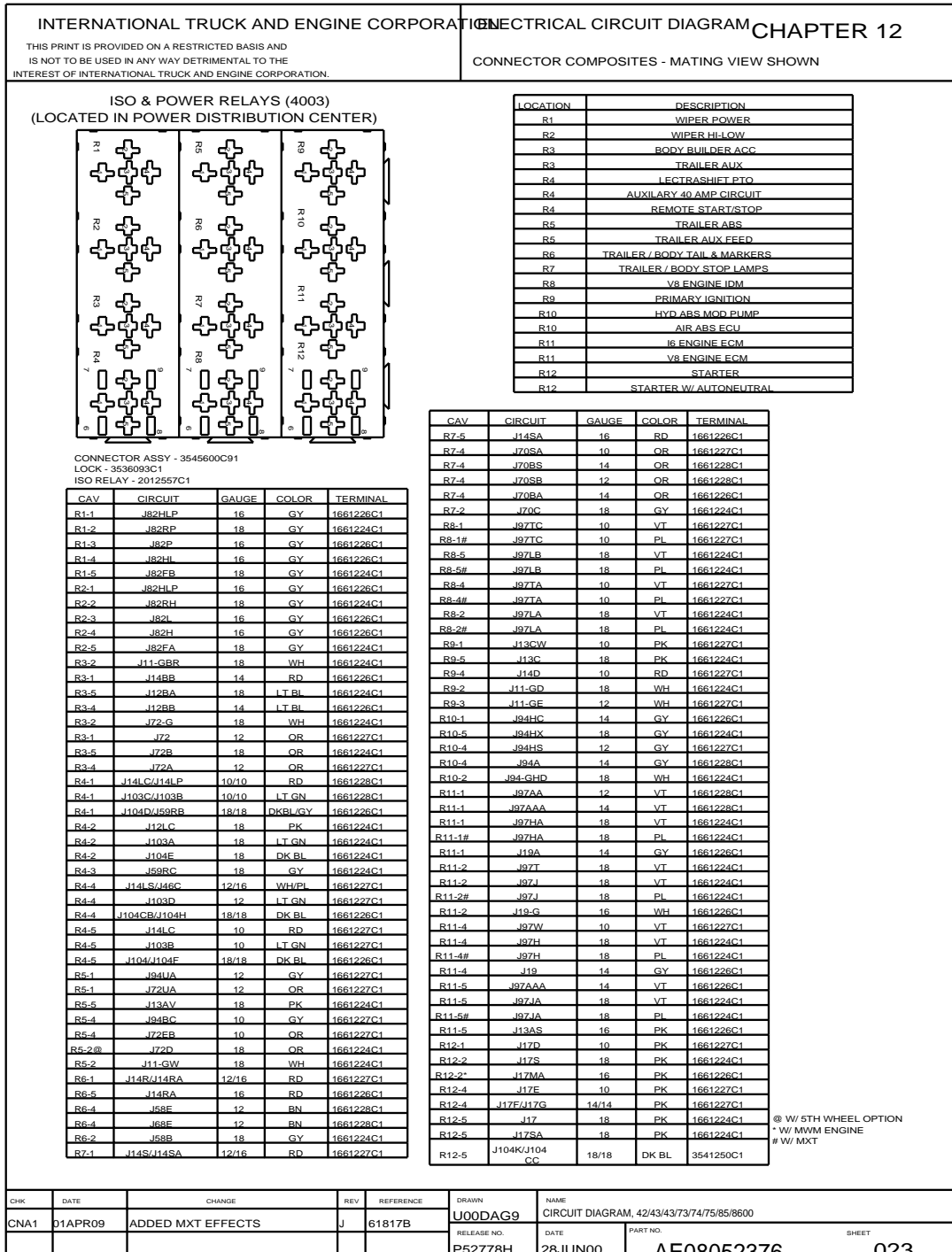


Figure 221 Connector Composite (4002)

## 12.29. CONNECTOR COMPOSITE (4003), P. 23

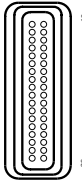


**Figure 222 Connector Composite (4003)**

**3200, 4100, 4200, 4300, 4400, 7300, 7400, 7500, 7600, 7700, 8500, 8600, MXT, RXT**  
**Models Built Oct. 1, 2005 to Feb. 28, 2007 — ELECTRICAL CIRCUIT DIAGRAMS**

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## 12.30. CONNECTOR COMPOSITES (4004), (4007), (4008), P. 24

INTERNATIONAL TRUCK AND ENGINE CORPORATION					ELECTRICAL CIRCUIT DIAGRAM CHAPTER 12																																																																																																																																																																						
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><b>SYSTEM CONTROLLER (4004)</b></p> <p style="text-align: center;">(LOCATED ON EXTERIOR DASH PANEL LEFT SIDE)</p> <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;">  <p>CONNECTOR - 3533834C1  BACKSHELL - 3533832C1  CPA - 3533836C1  RETAINER - 3533833C1  COVER - 3533834C1  SEAL - 3533835C1  PLUG - 3518314C1</p> <p>* W/ MXT VEHICLE</p> </div> <div style="width: 50%;"> <table border="1" style="width: 100%; border-collapse: collapse; font-size: x-small;"> <thead> <tr> <th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>TERM</th><th>NOTES</th></tr> </thead> <tbody> <tr><td>1</td><td>J32A</td><td>18</td><td>TN</td><td>3517243C1</td><td></td></tr> <tr><td>2</td><td>J32</td><td>18</td><td>TN</td><td>3517243C1</td><td>W/ AXLE TEMP</td></tr> <tr><td>3</td><td>J31</td><td>18</td><td>TN</td><td>3517243C1</td><td></td></tr> <tr><td>3</td><td>J31E</td><td>18</td><td>TN</td><td>3517243C1</td><td></td></tr> <tr><td>3</td><td>J88B</td><td>18</td><td>LT GN</td><td>3517243C1</td><td>W/ HOURMETER</td></tr> <tr><td>3*</td><td>TR-C</td><td>-</td><td>-</td><td>-</td><td></td></tr> <tr><td>4</td><td>J36B</td><td>18</td><td>TN</td><td>3517243C1</td><td></td></tr> <tr><td>5</td><td>J36A</td><td>18</td><td>TN</td><td>3517243C1</td><td></td></tr> <tr><td>6</td><td>J77A</td><td>20</td><td>LT GN</td><td>3517243C1</td><td></td></tr> <tr><td>7</td><td>J77D</td><td>20</td><td>LT GN</td><td>3517243C1</td><td></td></tr> <tr><td>8</td><td>J77C</td><td>20</td><td>LT GN</td><td>3517243C1</td><td></td></tr> <tr><td>9</td><td>J104A</td><td>18</td><td>DK BL</td><td>3517243C1</td><td></td></tr> <tr><td>10</td><td>J30A</td><td>18</td><td>TN</td><td>3517243C1</td><td></td></tr> <tr><td>11</td><td>J18D</td><td>18</td><td>GY</td><td>3517243C1</td><td></td></tr> <tr><td>11</td><td>J18C</td><td>18</td><td>GY</td><td>3517243C1</td><td></td></tr> <tr><td>12</td><td>J87C</td><td>18</td><td>GY</td><td>3517243C1</td><td></td></tr> <tr><td>12</td><td>J87CA</td><td>18</td><td>GY</td><td>3517243C1</td><td></td></tr> <tr><td>13</td><td>J61C</td><td>18</td><td>GY</td><td>3517243C1</td><td></td></tr> <tr><td>13</td><td>J94HH</td><td>18</td><td>GY</td><td>3517243C1</td><td>W/ HYD ABS</td></tr> <tr><td>13</td><td>J40F</td><td>18</td><td>GY</td><td>3517243C1</td><td>W/ AIR APP GAUGE</td></tr> <tr><td>14</td><td>PLUG</td><td>-</td><td>-</td><td>-</td><td></td></tr> <tr><td>15</td><td>J70NV</td><td>18</td><td>RD</td><td>3517243C1</td><td></td></tr> <tr><td>15</td><td>PLUG</td><td>-</td><td>-</td><td>-</td><td></td></tr> <tr><td>16</td><td>J44M</td><td>18</td><td>GY</td><td>3517243C1</td><td></td></tr> <tr><td>17</td><td>J58B</td><td>18</td><td>GY</td><td>3517243C1</td><td></td></tr> <tr><td>18</td><td>J93</td><td>18</td><td>TN</td><td>3517243C1</td><td>W/ 2SPD AXLE &amp; MAN XMSN</td></tr> </tbody> </table> </div> </div>										CAV	CIR	GAUGE	COLOR	TERM	NOTES	1	J32A	18	TN	3517243C1		2	J32	18	TN	3517243C1	W/ AXLE TEMP	3	J31	18	TN	3517243C1		3	J31E	18	TN	3517243C1		3	J88B	18	LT GN	3517243C1	W/ HOURMETER	3*	TR-C	-	-	-		4	J36B	18	TN	3517243C1		5	J36A	18	TN	3517243C1		6	J77A	20	LT GN	3517243C1		7	J77D	20	LT GN	3517243C1		8	J77C	20	LT GN	3517243C1		9	J104A	18	DK BL	3517243C1		10	J30A	18	TN	3517243C1		11	J18D	18	GY	3517243C1		11	J18C	18	GY	3517243C1		12	J87C	18	GY	3517243C1		12	J87CA	18	GY	3517243C1		13	J61C	18	GY	3517243C1		13	J94HH	18	GY	3517243C1	W/ HYD ABS	13	J40F	18	GY	3517243C1	W/ AIR APP GAUGE	14	PLUG	-	-	-		15	J70NV	18	RD	3517243C1		15	PLUG	-	-	-		16	J44M	18	GY	3517243C1		17	J58B	18	GY	3517243C1		18	J93	18	TN	3517243C1	W/ 2SPD AXLE & MAN XMSN
CAV	CIR	GAUGE	COLOR	TERM	NOTES																																																																																																																																																																						
1	J32A	18	TN	3517243C1																																																																																																																																																																							
2	J32	18	TN	3517243C1	W/ AXLE TEMP																																																																																																																																																																						
3	J31	18	TN	3517243C1																																																																																																																																																																							
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4	J36B	18	TN	3517243C1																																																																																																																																																																							
5	J36A	18	TN	3517243C1																																																																																																																																																																							
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8	J77C	20	LT GN	3517243C1																																																																																																																																																																							
9	J104A	18	DK BL	3517243C1																																																																																																																																																																							
10	J30A	18	TN	3517243C1																																																																																																																																																																							
11	J18D	18	GY	3517243C1																																																																																																																																																																							
11	J18C	18	GY	3517243C1																																																																																																																																																																							
12	J87C	18	GY	3517243C1																																																																																																																																																																							
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13	J61C	18	GY	3517243C1																																																																																																																																																																							
13	J94HH	18	GY	3517243C1	W/ HYD ABS																																																																																																																																																																						
13	J40F	18	GY	3517243C1	W/ AIR APP GAUGE																																																																																																																																																																						
14	PLUG	-	-	-																																																																																																																																																																							
15	J70NV	18	RD	3517243C1																																																																																																																																																																							
15	PLUG	-	-	-																																																																																																																																																																							
16	J44M	18	GY	3517243C1																																																																																																																																																																							
17	J58B	18	GY	3517243C1																																																																																																																																																																							
18	J93	18	TN	3517243C1	W/ 2SPD AXLE & MAN XMSN																																																																																																																																																																						

CAV	CIR	GAUGE	COLOR	TERM
19	J92DL	18	TN	3517243C1
19	J92RD	18	TN	3517243C1
20	J82BH	18	GY	3517243C1
21	J70C	18	GY	3517243C1
22	J69C	18	GY	3517243C1
23	J94HP	18	GY	3517243C1
24	J59B	18	GY	3517243C1
25	J37D	18	TN	3517243C1
26	J9A	18	GY	3517243C1
27	J6A	18	GY	3517243C1
28	J90J	18	GY	3517243C1
29	J82RP	18	GY	3517243C1
30	J59D	18	GY	3517243C1
31	J59A	18	GY	3517243C1
32	J104	18	DK BL	3517243C1
32	J64AB	18	YL	3517243C1
33	PLUG	-	-	-
33*	J70G	18	GY	-
34	J5M(+)	20	YL	3517243C1
35	J5M(-)	20	GN	3517243C1
36	PLUG	-	-	-

## 12.31. CONNECTOR COMPOSITE (4014), P. 25

INTERNATIONAL TRUCK AND ENGINE CORPORATION

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ELECTRICAL CIRCUIT DIAGRAM CHAPTER 12

CONNECTOR COMPOSITES - MATING VIEW SHOWN

PASS THROUGH AT DASH (4014)

(LOCATED ON DASH PANEL LEFT SIDE)

OUTSIDE

CONNECTOR ASSY - 3566554C91

COVER - 3566555C1

WAFFER - 3566572C1

CAV	CIR	GA	COLOR	TERM	NOTES
1	J99V	18	VT	3566555C1	CHASSIS WRG, BASE
2	J97Y	18	VT	3566555C1	CHASSIS WRG, BASE
3	J40FA	18	GY	3566555C1	AIR PRES GA W/HYD
3	J99W	18	VT	3566555C1	DASH WRG CUMMINS ISM
3	J82+135	18	TN	3566555C1	DASH WRG CUMMINS ISM
4	J99U	18	VT	3566555C1	CHASSIS WRG, BASE
5	J97P	18	VT	3566555C1	CHASSIS WRG, BASE
6	J1	18	LT BL	3566555C1	CAB D-LINK WRG J1939
6	J59R	18	BK	3566555C1	LIFT AXLE EXT CAB
6	J3E(+)	18	DK BL	3566555C1	CENTRAL TIRE INFLATION
7	J970A	18	VT	3566555C1	CEC V8 OR 18 EGR ENG
7	J970	18	VT	3566555C1	CEC 18 ENG CUMMINS ISM
8	J17	18	PK	3566555C1	KEY START W/CRNK INHB
8	J17C	18	PK	3566555C1	ULTRASHIFT DM2
8	J104K	18	DK BL	3566555C1	REMOTE START/STOP
8	J104M	18	DK BL	3566555C1	REM ST/STP W/CRNK INH
9	J3A(+)	18	DK BL	3566555C1	CHASSIS WRG, BASE
10	J3A(-)	18	GY	3566555C1	CHASSIS WRG, BASE
11	J5B(+)	18	YL	3566555C1	J1939 W/AIR ABS OR PAM
11	J5E(+)	18	YL	3566555C1	J1939 N/AIR ABS
12	J5B(-)	18	GN	3566555C1	J1939 W/AIR ABS OR PAM
12	J5E(-)	18	GN	3566555C1	J1939 N/AIR ABS
13	J128A	18	LT BL	3566555C1	TLRL SKT BDR BDR
14	J70NT	18	RD	3566555C1	ELECT TLRL BRAKE
14	J3E(+)	18	DK BL	3566555C1	ELECT TLRL BRAKE
15	J13C	18	PK	3566555C1	CHASSIS WRG, BASE
16	J47	18	GY	3566555C1	CAT ACERT SPD SIGNAL
16	J72B	18	OR	3566555C1	TRAILER SOCKET
17	J40F	18	GY	3566555C1	AIR APPLICATION GA
18	J17J	18	PK	3566555C1	MAN START/MAN XMSN
18	J17S	18	PK	3566555C1	MAN START
18	J82+16A	18	TN	3566555C1	XMSN WRG, WTEC
19	J48A	18	GY	3566555C1	DIFF LOCK SNDR SIGNAL
20	J48B	18	GY	3566555C1	2ND DIFF LOCK SNDR
21	J14HC	18	RD	3567154C1	2 WAY RADIO
22	J74	18	LT GN	3566555C1	HEATER RECIRC
23	J74A	18	LT GN	3566555C1	HEATER RECIRC
24	J23F	18	TN	3566555C1	SNOW VALVE
25	J23H	18	TN	3566555C1	SNOW VALVE
26	J23J	18	TN	3566555C1	SNOW VALVE
26	J71P	18	BK	3566555C1	LFT AXLE EXT CAB
26	J104B	18	DK BL	3566555C1	W/REMOTE START/STOP
27	J23K	18	TN	3566555C1	SNOW VALVE
27	J59RA	18	GY	3566555C1	W/REMOTE START/STOP
27	J59M	18	BK	3566555C1	LFT AXLE EXT CAB
28	J14-60	18	WH	3567154C1	2 WAY RADIO

CAV	CIR	GA	COLOR	TERM	NOTES
29	J21E	18	TN	3566555C1	ETHER START
29	J82C124	18	TN	3566555C1	WTEC XMSN WRG
30	J87BA	18	GY	3566555C1	WASHER PUMP
30	J87BB	18	GY	3566555C1	WASHER PUMP
31	J23L	18	TN	3566555C1	SNOW VALVE
31	J59J	18	BK	3566555C1	LIFT AXLE EXT CAB
31	J104D	18	DK BL	3566555C1	REMOTE START/STOP
32	J59K	18	BK	3566555C2	LIFT AXLE EXT CAB
32	J42	18	GY	3566555C1	XFER CASE WRNG LT
32	J22B	18	TN	3566555C2	CENT TIRE INFLATION
33	J82D143	18	TN	3566555C1	WTEC XMSN WRG
33	J17C	18	PK	3566555C1	EATON XMSN WRG
34	J41A	18	GY	3566555C1	FWD TEMP SENDER
35	J41	18	GY	3566555C1	FWD TEMP SENDER
36	J82+173	18	TN	3566555C1	WTEC XMSN WRG
36	J82S(+)	20	YL	3566555C1	EATON XMSN WRG
37	J82+128	18	TN	3566555C1	LCT XMSN
37	J82+180	18	TN	3566555C1	WTEC XMSN WRG
37	J82T(-)	20	GN	3566555C1	EATON XMSN WRG
38	J82+110	18	TN	3566555C1	LCT XMSN
38	J82+124	18	TN	3566555C1	WTEC XMSN WRG
38	J82U(S)	20	NONE	3566555C1	EATON XMSN WRG
39	J82+175	18	TN	3566555C1	WTEC XMSN WRG
39	J82AC	18	TN	3566555C1	EATON XMSN WRG
40	J82+174	18	TN	3566555C1	WTEC XMSN WRG
40	J82AD	18	TN	3566555C1	EATON XMSN WRG
40	J44L	18	GY	3566555C1	AUTO APP/REL
41	J82AE	18	TN	3566555C1	EATON XMSN WRG
41	J82D138	18	TN	3566555C1	WTEC XMSN WRG
42	J82+172	18	TN	3566555C1	WTEC XMSN WRG
42	J82Z	18	TN	3566555C1	EATON XMSN WRG
43	J82+171	18	TN	3566555C1	WTEC XMSN WRG
43	J82AA	18	TN	3566555C1	EATON XMSN WRG
44	J82+170	18	TN	3566555C1	WTEC XMSN WRG
44	J82AB	18	TN	3566555C1	EATON XMSN WRG
45	J82APA	18	TN	3566555C1	WTEC!!! W/AUTO NEUT
45	J22A	18	TN	3566555C1	CENT TIRE INFLATION
45	J82+163	18	TN	3566555C1	WTEC XMSN WRG
45	J82AH	18	TN	3566555C1	ULTRASHIFT DM2
46	J98(+)	18	BK	3566555C1	CENT TIRE INFLATION
46	J82+125	18	TN	3566555C1	WTEC XMSN WRG
46	J82AJ	18	TN	3566555C1	ULTRASHIFT DM2
47	J98(-)	18	BK	3566555C1	CENT TIRE INFLATION
47	J82D161	18	TN	3566555C1	WTEC XMSN WRG
48	J12LC	18	PK	3566555C1	LECTRASHIFT PTO
48	J103A	18	LT GN	3566555C1	WRG 40A BDR BDR

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
CNA	15OCT03	RMVD J59A, ADDED J59RA	F	58232W	U00DAG9	42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS
CNA	BJAN04	DLV1/MULTIPLE CHANGES	G	59006T	P52778H	DATE 26JUN00 PART NO. AE08-52376 SHEET 25

Figure 224 Connector Composite (4014)

## 12.32. CONNECTOR COMPOSITE (4014/1700), P. 26

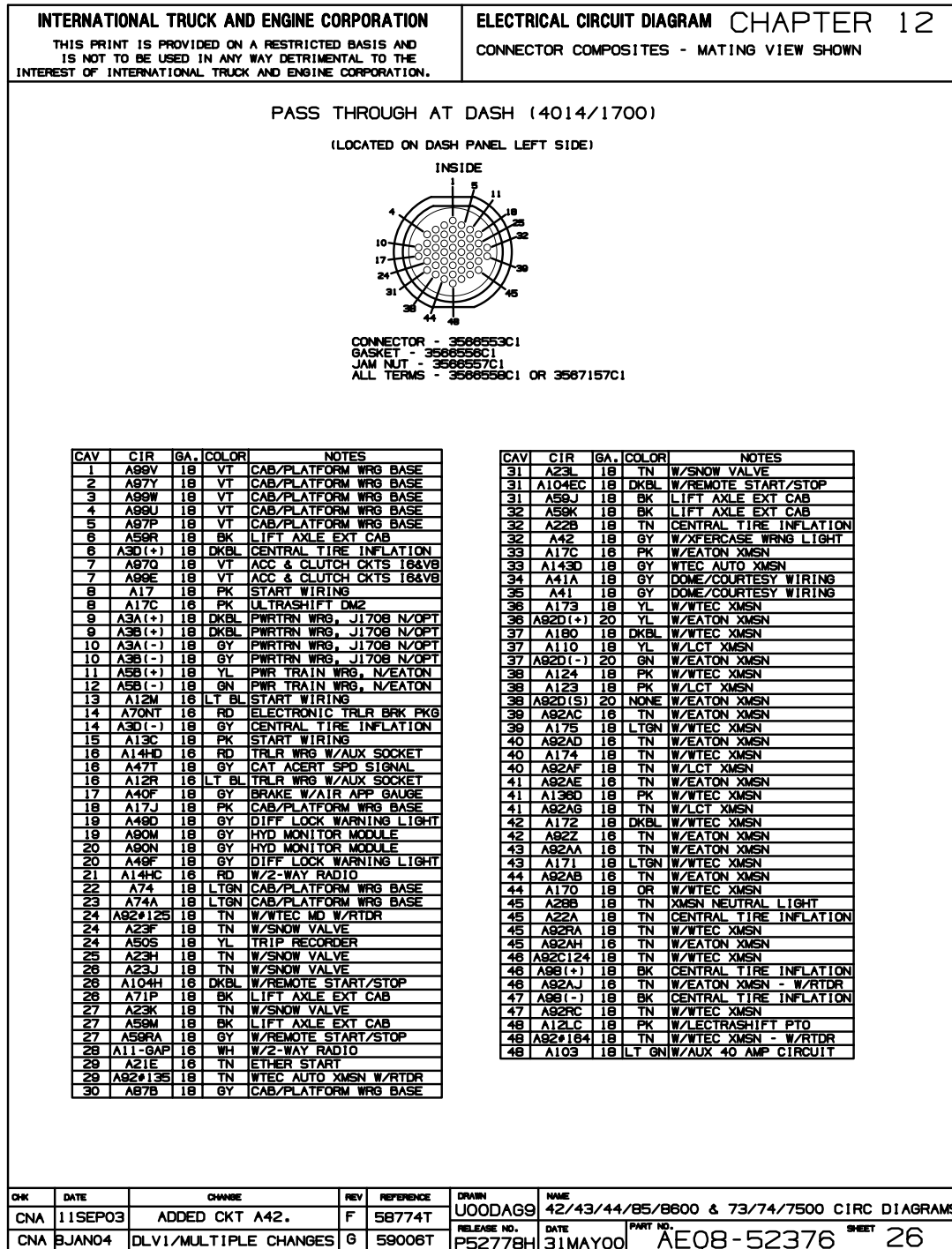


Figure 225 Connector Composite (4014/1700)



### 12.33. CONNECTOR COMPOSITES (4015), (4017), (4018), (4019), (4020), (4021), (4022), (4023), P. 27

INTERNATIONAL TRUCK AND ENGINE CORPORATION				ELECTRICAL CIRCUIT DIAGRAM CHAPTER 12																																																																																																							
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<p style="text-align: center;"><b>WIPER MOTOR (4015)</b> (LOCATED ON EXTERIOR DASH PANEL, CENTER)</p> <table border="1" style="margin: 10px auto; 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>J82B</td><td>18</td><td>GY</td><td>2033919C1</td><td>1652325C1</td></tr> <tr><td>B</td><td>J82P</td><td>18</td><td>GY</td><td>2033919C1</td><td>1652325C1</td></tr> <tr><td>C</td><td>J82-G</td><td>18</td><td>WH</td><td>2033919C1</td><td>1652325C1</td></tr> <tr><td>D</td><td>J82H</td><td>18</td><td>GY</td><td>2033919C1</td><td>1652325C1</td></tr> <tr><td>E</td><td>J82L</td><td>18</td><td>GY</td><td>2033919C1</td><td>1652325C1</td></tr> </tbody> </table> <p>CONNECTOR - 1661375C2 LOCK - 1661376C1</p>				CAV	CIR	GAUGE	COLOR	TERM	SEAL	A	J82B	18	GY	2033919C1	1652325C1	B	J82P	18	GY	2033919C1	1652325C1	C	J82-G	18	WH	2033919C1	1652325C1	D	J82H	18	GY	2033919C1	1652325C1	E	J82L	18	GY	2033919C1	1652325C1	<p style="text-align: center;"><b>HVAC RECIRC MOTOR (4017)</b> (LOCATED ON EXTERIOR DASH PANEL, RIGHT SIDE)</p> <table border="1" style="margin: 10px auto; 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>J74</td><td>18</td><td>LT GN</td><td>1661875C1</td><td>1661872C1</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>J74A</td><td>18</td><td>LT GN</td><td>1661875C1</td><td>1661872C1</td></tr> </tbody> </table> <p>CONNECTOR - 2011340C1 LOCK - 2011364C1 PLUG - 2025431C1</p>				CAV	CIR	GAUGE	COLOR	TERM	SEAL	A	J74	18	LT GN	1661875C1	1661872C1	B	PLUG	-	-	-	-	C	PLUG	-	-	-	-	D	PLUG	-	-	-	-	E	PLUG	-	-	-	-	F	J74A	18	LT GN	1661875C1	1661872C1																						
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<p style="text-align: center;"><b>A/C ACCUMULATOR THERMISTOR #2 (4018)</b> (LOCATED ON EXTERIOR DASH PANEL RIGHT SIDE)</p> <table border="1" style="margin: 10px auto; 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>J77A</td><td>20</td><td>LT GN</td><td>3536590C1</td></tr> <tr><td>B</td><td>J9J</td><td>20</td><td>GY</td><td>3536590C1</td></tr> </tbody> </table> <p>CONNECTOR - 3535379C1 LOCK - 3536591C1</p>				CAV	CIR	GAUGE	COLOR	TERM	A	J77A	20	LT GN	3536590C1	B	J9J	20	GY	3536590C1	<p style="text-align: center;"><b>A/C ACCUMULATOR THERMISTOR #1 (4019)</b> (LOCATED ON EXTERIOR DASH PANEL RIGHT SIDE)</p> <table border="1" style="margin: 10px auto; 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>J77D</td><td>20</td><td>LT GN</td><td>3536590C1</td></tr> <tr><td>B</td><td>J9K</td><td>20</td><td>GY</td><td>3536590C1</td></tr> </tbody> </table> <p>CONNECTOR - 3535379C1 LOCK - 3536591C1</p>				CAV	CIR	GAUGE	COLOR	TERM	A	J77D	20	LT GN	3536590C1	B	J9K	20	GY	3536590C1																																																																						
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<p style="text-align: center;"><b>FUEL FILTER &amp; WARN LIGHTS (4020)</b> (LOCATED NEAR WIPER MOTOR BRACKET)</p> <table border="1" style="margin: 10px auto; 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>J19A</td><td>18</td><td>GY</td><td>2033919C1</td><td>1652325C1</td></tr> <tr><td>B</td><td>J19B</td><td>18</td><td>GY</td><td>2033919C1</td><td>1652325C1</td></tr> <tr><td>C</td><td>J19C</td><td>18</td><td>GY</td><td>2033919C1</td><td>1652325C1</td></tr> </tbody> </table> <p>DASH HARNESS CONNECTOR - 1668834C1 LOCK - 1664409C1 PLUG - 0587579C1</p>				CAV	CIR	GAUGE	COLOR	TERM	SEAL	A	J19A	18	GY	2033919C1	1652325C1	B	J19B	18	GY	2033919C1	1652325C1	C	J19C	18	GY	2033919C1	1652325C1	<p style="text-align: center;"><b>ENGINE HARNESS</b></p> <table border="1" style="margin: 10px auto; 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>J19A</td><td>18</td><td>GY</td><td>2033919C1</td><td>1652325C1</td></tr> <tr><td>B</td><td>J19B</td><td>18</td><td>GY</td><td>2033919C1</td><td>1652325C1</td></tr> <tr><td>C</td><td>J19C</td><td>18</td><td>GY</td><td>2033919C1</td><td>1652325C1</td></tr> </tbody> </table> <p>CONNECTOR - 3553981C1 LOCK - 3554019C1 PLUG - 0587579C1</p>				CAV	CIR	GAUGE	COLOR	TERM	SEAL	A	J19A	18	GY	2033919C1	1652325C1	B	J19B	18	GY	2033919C1	1652325C1	C	J19C	18	GY	2033919C1	1652325C1																																																				
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<p style="text-align: center;"><b>WASHER PUMP (4021)</b> (LOCATED AT WASHER BOTTLE)</p> <table border="1" style="margin: 10px auto; 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>1</td><td>J87B</td><td>18</td><td>GY</td><td>3554322C1</td><td>3554318C1</td></tr> <tr><td>2</td><td>J87K</td><td>18</td><td>GY</td><td>3554322C1</td><td>3554318C1</td></tr> </tbody> </table> <p>CONNECTOR - 35554294C1</p>				CAV	CIR	GAUGE	COLOR	TERM	SEAL	1	J87B	18	GY	3554322C1	3554318C1	2	J87K	18	GY	3554322C1	3554318C1	<p style="text-align: center;"><b>WASHER FLUID LEVEL SENSOR (4022)</b> (LOCATED AT WASHER BOTTLE)</p> <table border="1" style="margin: 10px auto; 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>1</td><td>J87C</td><td>18</td><td>GY</td><td>3554322C1</td><td>3554318C1</td></tr> <tr><td>2</td><td>J87H</td><td>18</td><td>GY</td><td>3554322C1</td><td>3554318C1</td></tr> </tbody> </table> <p>CONNECTOR - 3554317C1</p>				CAV	CIR	GAUGE	COLOR	TERM	SEAL	1	J87C	18	GY	3554322C1	3554318C1	2	J87H	18	GY	3554322C1	3554318C1																																																																
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<p style="text-align: center;"><b>AIR ABS ECU #2 (4023)</b> (LOCATED NEAR EXTERIOR DASH PANEL LEFT SIDE ON ABS CONTROLLER)</p> <table border="1" style="margin: 10px auto; border-collapse: collapse; text-align: center;"> <thead> <tr> <th>CAV</th> <th>CIR</th> <th>GAUGE</th> <th>COLOR</th> <th>TERM</th> <th>CAV</th> <th>CIR</th> <th>GAUGE</th> <th>COLOR</th> <th>TERM</th> </tr> </thead> <tbody> <tr><td>A1</td><td>J84AH</td><td>18</td><td>GY</td><td>3565443C1</td><td>D1</td><td>J84AC</td><td>18</td><td>GY</td><td>3565443C1</td></tr> <tr><td>A2</td><td>PLUG</td><td>-</td><td>-</td><td>-</td><td>D2</td><td>J84ATC</td><td>18</td><td>GY</td><td>3565443C1</td></tr> <tr><td>A3</td><td>PLUG</td><td>-</td><td>-</td><td>-</td><td>D3</td><td>J84ATR</td><td>18</td><td>GY</td><td>3565443C1</td></tr> <tr><td>B1</td><td>J84AJ</td><td>18</td><td>GY</td><td>3565443C1</td><td>E1</td><td>J84AE</td><td>18</td><td>GY</td><td>3565443C1</td></tr> <tr><td>B2</td><td>PLUG</td><td>-</td><td>-</td><td>-</td><td>E2</td><td>J84AL</td><td>18</td><td>GY</td><td>3565443C1</td></tr> <tr><td>B3</td><td>PLUG</td><td>-</td><td>-</td><td>-</td><td>E3</td><td>J84AK</td><td>18</td><td>GY</td><td>3565443C1</td></tr> <tr><td>C1</td><td>J84AF</td><td>18</td><td>GY</td><td>3565443C1</td><td>F1</td><td>J84AD</td><td>18</td><td>GY</td><td>3565443C1</td></tr> <tr><td>C2</td><td>PLUG</td><td>-</td><td>-</td><td>-</td><td>F2</td><td>J84AB</td><td>18</td><td>GY</td><td>3565443C1</td></tr> <tr><td>C3</td><td>PLUG</td><td>-</td><td>-</td><td>-</td><td>F3</td><td>J84AA</td><td>18</td><td>GY</td><td>3565443C1</td></tr> </tbody> </table> <p>CONNECTOR - 3554088C1 PLUG - 1687788C1</p>								CAV	CIR	GAUGE	COLOR	TERM	CAV	CIR	GAUGE	COLOR	TERM	A1	J84AH	18	GY	3565443C1	D1	J84AC	18	GY	3565443C1	A2	PLUG	-	-	-	D2	J84ATC	18	GY	3565443C1	A3	PLUG	-	-	-	D3	J84ATR	18	GY	3565443C1	B1	J84AJ	18	GY	3565443C1	E1	J84AE	18	GY	3565443C1	B2	PLUG	-	-	-	E2	J84AL	18	GY	3565443C1	B3	PLUG	-	-	-	E3	J84AK	18	GY	3565443C1	C1	J84AF	18	GY	3565443C1	F1	J84AD	18	GY	3565443C1	C2	PLUG	-	-	-	F2	J84AB	18	GY	3565443C1	C3	PLUG	-	-	-	F3	J84AA	18	GY	3565443C1
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CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
PEC	90CT02	DVD/3554088C1 WAS	C	56507Z	U00DAG9	42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS
		2010376C1.			RELEASE NO. P5277BH	DATE 26JUN00 PART NO. AE08-52376 SHEET 27

Figure 226 Connector Composites (4015), (4017), (4018), (4019), (4020), (4021), (4022), (4023)



## 12.34. CONNECTOR COMPOSITES (4024), (4030), (4031), (4032), (4033), (4037), (4038), (4040), (4041), (4070), (4071), P. 28

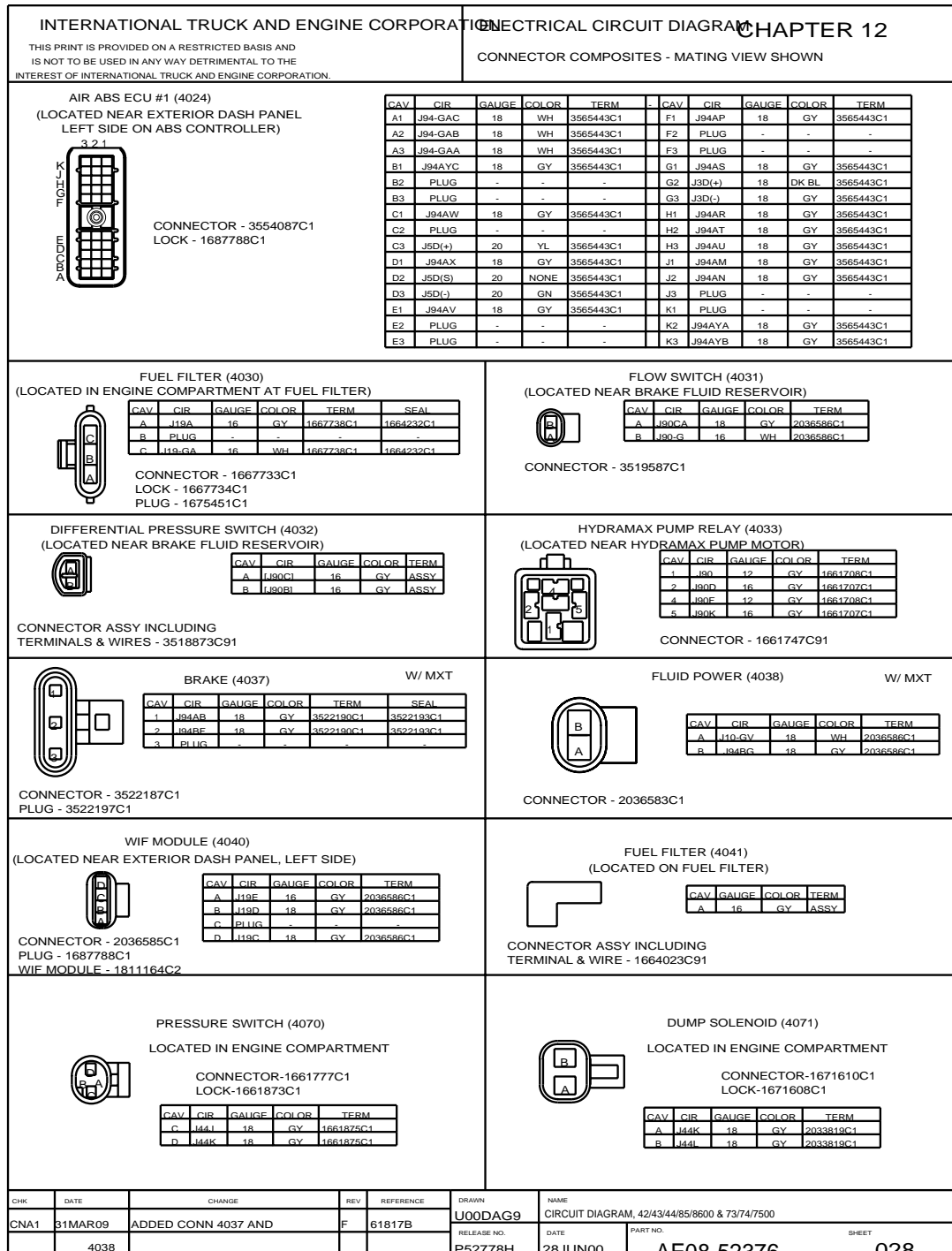
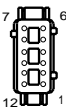


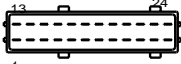
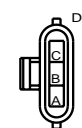




Figure 227 Connector Composites (4024), (4030), (4031), (4032), (4033), (4037), (4038), (4040), (4041), (4070), (4071)

**12.35. CONNECTOR COMPOSITES (4087), (4088), (4100), (4101), (4109), (4112), P. 29**

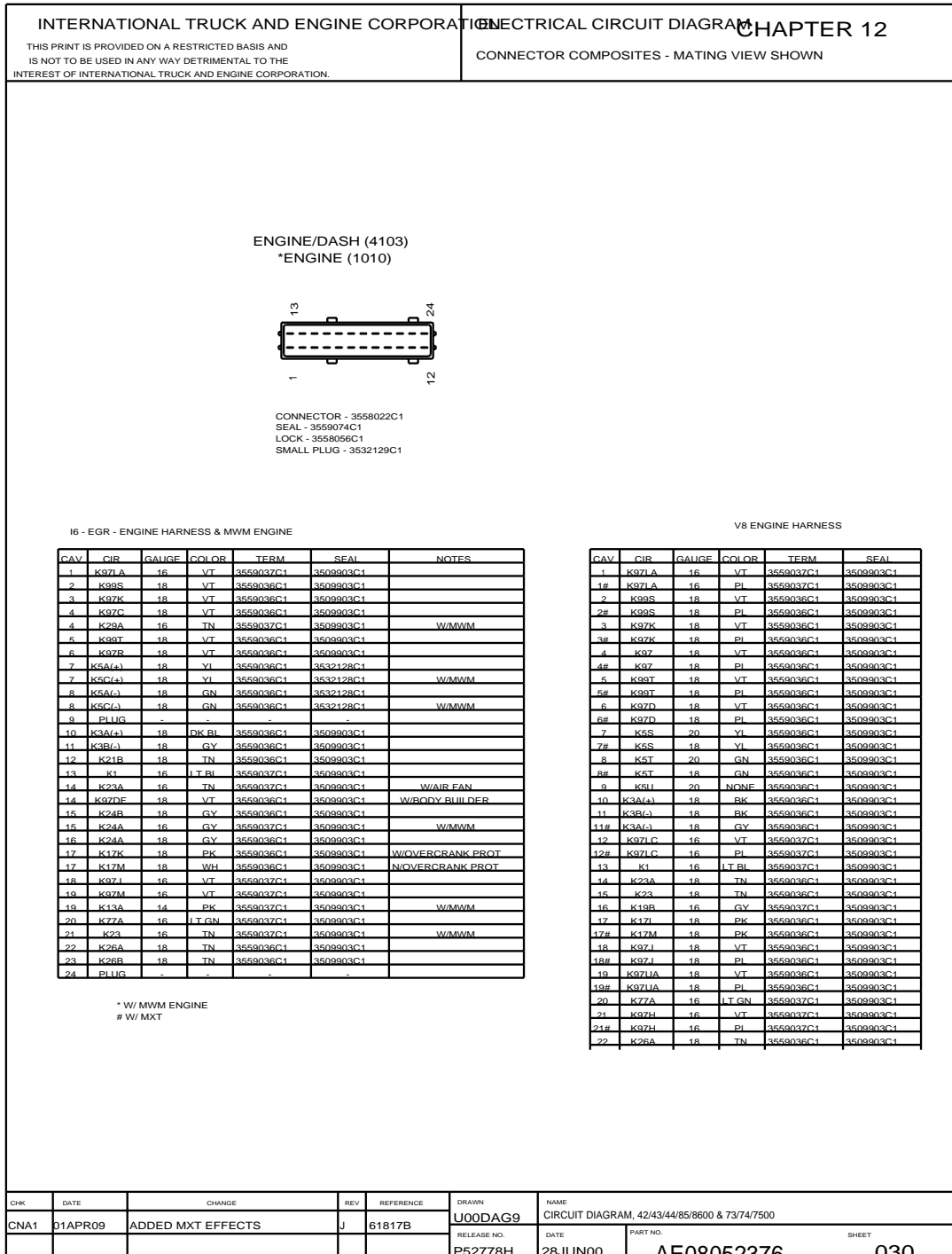
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<p style="text-align: center;">PAM MODULE(4087) (LOCATED NEAR AIR FILTER IN ENGINE COMPARTMENT)</p>  <table border="1" style="width: 100%; border-collapse: collapse; font-size: 8px;"> <thead> <tr> <th>CAV</th> <th>CIR</th> <th>GAUGE</th> <th>COLOR</th> <th>TERM</th> </tr> </thead> <tbody> <tr><td>1</td><td>PLUG</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>2</td><td>PLUG</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>3</td><td>PLUG</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>4</td><td>PLUG</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>5</td><td>PLUG</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>6</td><td>J26D</td><td>18</td><td>TN</td><td>3518963C1</td></tr> <tr><td>7</td><td>J5P(A)</td><td>20</td><td>VI</td><td>3518963C1</td></tr> <tr><td>8</td><td>J5P(-)</td><td>20</td><td>GN</td><td>3518963C1</td></tr> <tr><td>9</td><td>J5P(S)</td><td>20</td><td>NONE</td><td>3518963C1</td></tr> <tr><td>10</td><td>J26A</td><td>18</td><td>TN</td><td>3518963C1</td></tr> <tr><td>11</td><td>J26B</td><td>18</td><td>TN</td><td>3518963C1</td></tr> <tr><td>12</td><td>J11-GPM</td><td>18</td><td>WH</td><td>3518963C1</td></tr> </tbody> </table> <p>CONNECTOR - 3553404C1 BODY LOCK - 3553460C1 PLUG - 3527276C1</p>			CAV	CIR	GAUGE	COLOR	TERM	1	PLUG	-	-	-	2	PLUG	-	-	-	3	PLUG	-	-	-	4	PLUG	-	-	-	5	PLUG	-	-	-	6	J26D	18	TN	3518963C1	7	J5P(A)	20	VI	3518963C1	8	J5P(-)	20	GN	3518963C1	9	J5P(S)	20	NONE	3518963C1	10	J26A	18	TN	3518963C1	11	J26B	18	TN	3518963C1	12	J11-GPM	18	WH	3518963C1	<p style="text-align: center;">AIR SUSPENSION (4098) (LOCATED IN ENGINE COMPARTMENT NEAR LEFT FRAME RAIL)</p> <div style="display: flex; justify-content: space-around;"> <div style="width: 45%;"> <p style="text-align: center;">DASH HARNESS</p>  <p>CONNECTOR - 1671610C1 BODY LOCK - 1671608C1 SEAL - 1652325C1 TERMINAL - 2033819C1 (18 AWG)</p> <table border="1" style="width: 100%; border-collapse: collapse; font-size: 8px;"> <thead> <tr> <th>CAV</th> <th>CIR</th> <th>GAUGE</th> <th>COLOR</th> </tr> </thead> <tbody> <tr><td>A</td><td>J61</td><td>16</td><td>GY</td></tr> <tr><td>B</td><td>J61-G</td><td>18</td><td>GY</td></tr> </tbody> </table> </div> <div style="width: 45%;"> <p style="text-align: center;">CHASSIS HARNESS</p>  <p>CONNECTOR - 1671611C1 BODY LOCK - 1671608C1 SEAL - 1652325C1 TERMINAL - 2033911C1 (18 AWG)</p> <table border="1" style="width: 100%; border-collapse: collapse; font-size: 8px;"> <thead> <tr> <th>CAV</th> <th>CIR</th> <th>GAUGE</th> <th>COLOR</th> </tr> </thead> <tbody> <tr><td>A</td><td>J61A</td><td>16</td><td>GY</td></tr> <tr><td>B</td><td>J61-GA</td><td>16</td><td>WH</td></tr> </tbody> </table> </div> </div>			CAV	CIR	GAUGE	COLOR	A	J61	16	GY	B	J61-G	18	GY	CAV	CIR	GAUGE	COLOR	A	J61A	16	GY	B	J61-GA	16	WH																																																																																																																																											
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**Figure 228 Connector Composites (4087), (4088), (4100), (4101), (4109), (4112)**

**3200, 4100, 4200, 4300, 4400, 7300, 7400, 7500, 7600, 7700, 8500, 8600, MXT, RXT**  
**Models Built Oct. 1, 2005 to Feb. 28, 2007 — ELECTRICAL CIRCUIT DIAGRAMS**

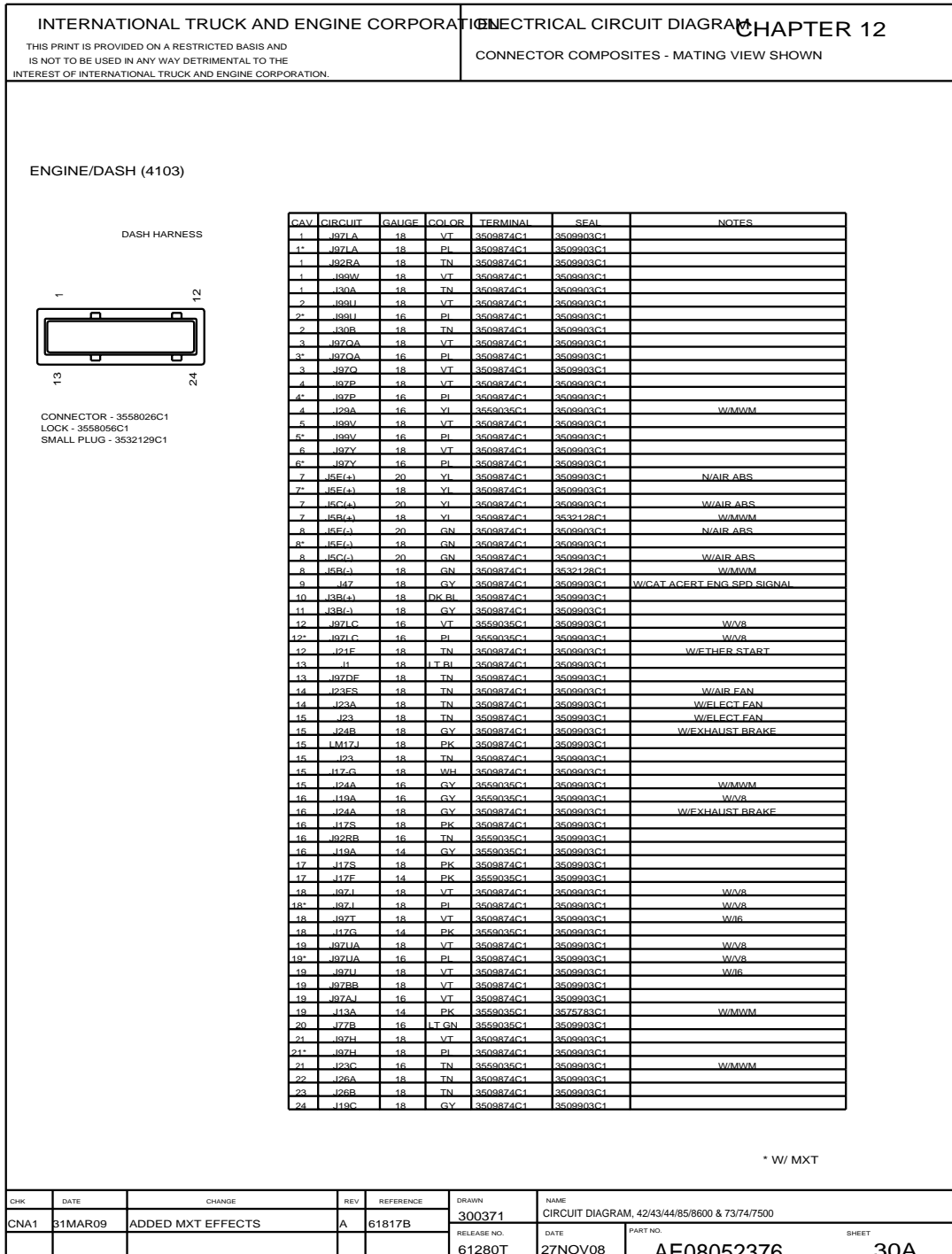
229

## 12.36. CONNECTOR COMPOSITE (4103), P. 30



**Figure 229 Connector Composite (4103)**

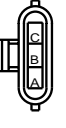

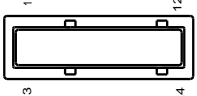
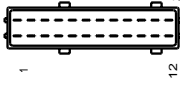
## 12.37. CONNECTOR COMPOSITE (4103), P. 30A



**Figure 230 Connector Composite (4103)**

**3200, 4100, 4200, 4300, 4400, 7300, 7400, 7500, 7600, 7700, 8500, 8600, MXT, RXT  
Models Built Oct. 1, 2005 to Feb. 28, 2007 — ELECTRICAL CIRCUIT DIAGRAMS**

**12.38. CONNECTOR COMPOSITES (4105), (4111), (4120), (4301), P. 31**

INTERNATIONAL TRUCK AND ENGINE CORPORATION				ELECTRICAL CIRCUIT DIAGRAM CHAPTER 12																																																																																																			
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																																																																																																			
ENGINE HARNESS		ECM POWER/STARTER (4105) (LOCATED NEAR WIPER MOTOR BRACKET)		DASH HARNESS																																																																																																			
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1	M94	18	GY	3559036C1	3509903C1	W/AIR ABS																																																																																																	
1	M94AL	14	BL	3559037C1	3558022C1	W/W/ABCO AIR																																																																																																	
2	M94A	18	GY	3559036C1	3509903C1	W/AIR ABS																																																																																																	
2	M5	18	GY	3559036C1	3509903C1	W/AUX AIR																																																																																																	
2	M94AA	14	GN	3559037C1	3558022C1	W/W/ABCO AIR																																																																																																	
3	M40	18	GY	3559036C1	3509903C1	W/AUX AIR																																																																																																	
3	M94B	18	GY	3559036C1	3509903C1	W/AIR ABS																																																																																																	
3	M94AB	14	BN	3559037C1	3558022C1	W/W/ABCO AIR																																																																																																	
4	M52B	14	YL	3559037C1	3509903C1																																																																																																		
5	M53	14	YL	3559037C1	3509903C1																																																																																																		
6	M94C	18	GY	3559036C1	3509903C1	W/AIR ABS																																																																																																	
6	M94H	18	BK	3559036C1	3509903C1	W/HYD ABS																																																																																																	
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7	M94D	18	GY	3559036C1	3509903C1	W/AIR ABS																																																																																																	
7	M94M	18	BN	3559036C1	3509903C1	W/HYD ABS																																																																																																	
7	M94AD	18	BK	3559036C1	3558022C1	W/W/ABCO AIR																																																																																																	
8	M9	20	GY	3559036C1	3532128C1																																																																																																		
9	M56B	16	OR	3559037C1	3509903C1																																																																																																		
10	M85E	16	GY	3559037C1	3509903C1																																																																																																		
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11	M57B	16	OR	3559037C1	3509903C1																																																																																																		
12	M58B	14	BN	3559037C1	3509903C1																																																																																																		
13	M11-G	12	WH	3559037C1	3509903C1																																																																																																		
14	M94E	18	GY	3559036C1	3509903C1	W/AIR ABS																																																																																																	
14	M94N	18	BK	3559036C1	3509903C1	W/HYD ABS																																																																																																	
14	M94AE	18	BN	3559036C1	3558022C1	W/W/ABCO AIR																																																																																																	
15	M94F	18	GY	3559036C1	3509903C1	W/AIR ABS																																																																																																	
15	M94P	18	BN	3559036C1	3509903C1	W/HYD ABS																																																																																																	
15	M94AF	18	BK	3559036C1	3558022C1	W/W/ABCO AIR																																																																																																	
16	M94H	18	GY	3559036C1	3509903C1																																																																																																		
16	M94AH	14	BL	3559037C1	3558022C1	W/W/ABCO AIR																																																																																																	
17	M94J	18	GY	3559036C1	3509903C1																																																																																																		
17	M94AL	14	GN	3559037C1	3558022C1	W/W/ABCO AIR																																																																																																	
18	M94K	18	GY	3559036C1	3509903C1																																																																																																		
18	M94AK	14	BN	3559037C1	3558022C1	W/W/ABCO AIR																																																																																																	
19	M21C	18	TN	3559036C1	3509903C1																																																																																																		
20	M64	16	YL	3559037C1	3509903C1	W/FOG LIGHTS																																																																																																	
21	M78H	16	LT GN	3559037C1	3509903C1																																																																																																		
22	M21D	18	TN	3559036C1	3509903C1																																																																																																		
23	M77	20	LT GN	3559036C1	3532128C1																																																																																																		
24	M6	20	GY	3559036C1	3532128C1																																																																																																		
FORWARD CHASSIS/DASH (4301) DASH HARNESS																																																																																																							
CAV	CIR	GAUGE	COLOR	TERM	SEAL	NOTES																																																																																																	
1	J94AP	18	GY	3509874C1	3509903C1	W/AIR ABS																																																																																																	
1	J94A	18	GY	3509874C1	3509903C1	W/AUX AIR																																																																																																	
2	J94AR	18	GY	3509874C1	3509903C1	W/AIR ABS																																																																																																	
2	J6BA	18	GY	3509874C1	3509903C1	W/AUX AIR																																																																																																	
3	J40FA	18	GY	3509874C1	3509903C1	W/AUX AIR																																																																																																	
3	J94AS	18	GY	3509874C1	3509903C1	W/AIR ABS																																																																																																	
4	J52A	14	YL	3559035C1	3509903C1	W/STD LIGHTS																																																																																																	
4	J52B	14	YL	3559035C1	3509903C1	W/AUX LIGHTS																																																																																																	
5	J53A	14	YL	3559035C1	3509903C1	W/STD LIGHTS																																																																																																	
5	J53B	14	YL	3559035C1	3509903C1	W/AUX LIGHTS																																																																																																	
6	J94HM	18	GY	3509874C1	3509903C1	W/HYD ABS																																																																																																	
6	J94AM	18	GY	3509874C1	3509903C1	W/AIR ABS																																																																																																	
6*	J94I	18	BK	3509874C1	3509903C1																																																																																																		
7	J94HN	18	GY	3509874C1	3509903C1	W/HYD ABS																																																																																																	
7	J94AN	18	GY	3509874C1	3509903C1	W/AIR ABS																																																																																																	
7*	J94M	18	BN	3509874C1	3509903C1																																																																																																		
8	J8Y	20	GY	3509874C1	3532128C1																																																																																																		
9	J56A	16	OR	3559035C1	3509903C1																																																																																																		
10	J56AA	16	GY	3559035C1	3509903C1																																																																																																		
11	J57A	16	OR	3559035C1	3509903C1																																																																																																		
12	J68A	14	BN	3559035C1	3509903C1																																																																																																		
13	J11-G	12	WH	3559035C1	3509903C1																																																																																																		
14	J94AT	18	GY	3509874C1	3509903C1	W/AIR ABS																																																																																																	
14	J94HT	18	GY	3509874C1	3509903C1	W/HYD ABS																																																																																																	
14*	J94N	18	BK	3509874C1	3509903C1																																																																																																		
15	J94AU	18	GY	3509874C1	3509903C1	W/AIR ABS																																																																																																	
15	J94HU	18	GY	3509874C1	3509903C1	W/HYD ABS																																																																																																	
15*	J94P	18	BN	3509874C1	3509903C1																																																																																																		
16	J94AV	18	GY	3509874C1	3509903C1																																																																																																		
17	J94AW	18	GY	3509874C1	3509903C1																																																																																																		
18	J94AX	18	GY	3509874C1	3509903C1																																																																																																		
19	J21F	18	TN	3509874C1	3509903C1																																																																																																		
20	J64A	12	BN	3559035C1	3509903C1	W/FOG LIGHTS																																																																																																	
21	J78K	16	LT GN	3559035C1	3509903C1																																																																																																		
22	J21E	18	TN	3509874C1	3509903C1																																																																																																		
23	J77C	20	LT GN	3509874C1	3532128C1																																																																																																		
24	J6E	18	LT GN	3509874C1	3509903C1																																																																																																		
* W/ MXT																																																																																																							
CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME																																																																																																	
CNA1	31MAR09	ADDED MXT EFFECTS	F	61817B	U00DAG9	CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500																																																																																																	
					RELEASE NO.	DATE	PART NO.																																																																																																
					P52778H	21JUN00	AE08052376																																																																																																
						SHEET	031																																																																																																

**Figure 231 Connector Composites (4105), (4111), (4120), (4301)**

## 12.39. CONNECTOR COMPOSITES (4305), (4410), (4410B), (4410C), (4410D), (4410E), (4410H), (4410M), (4411), P. 32

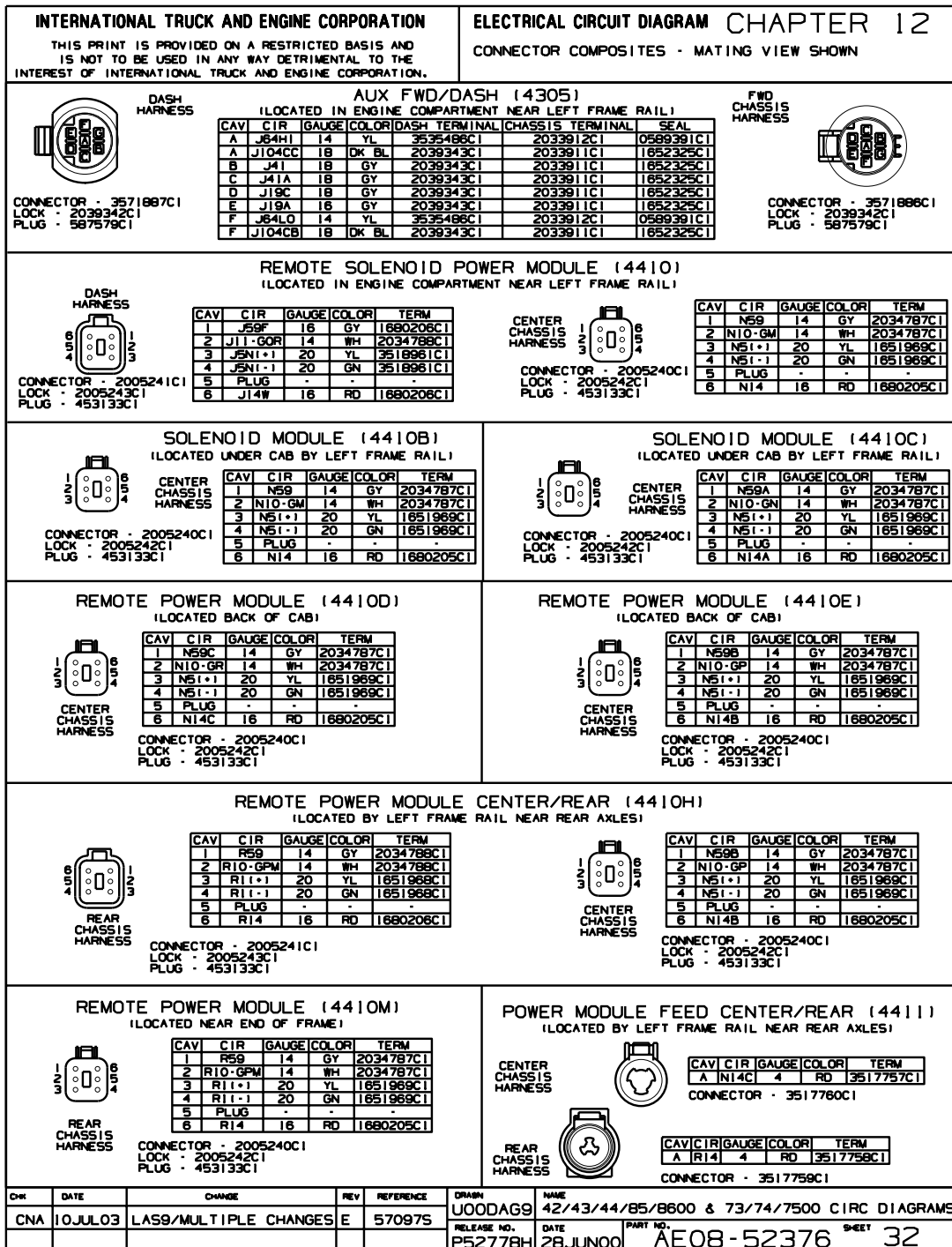
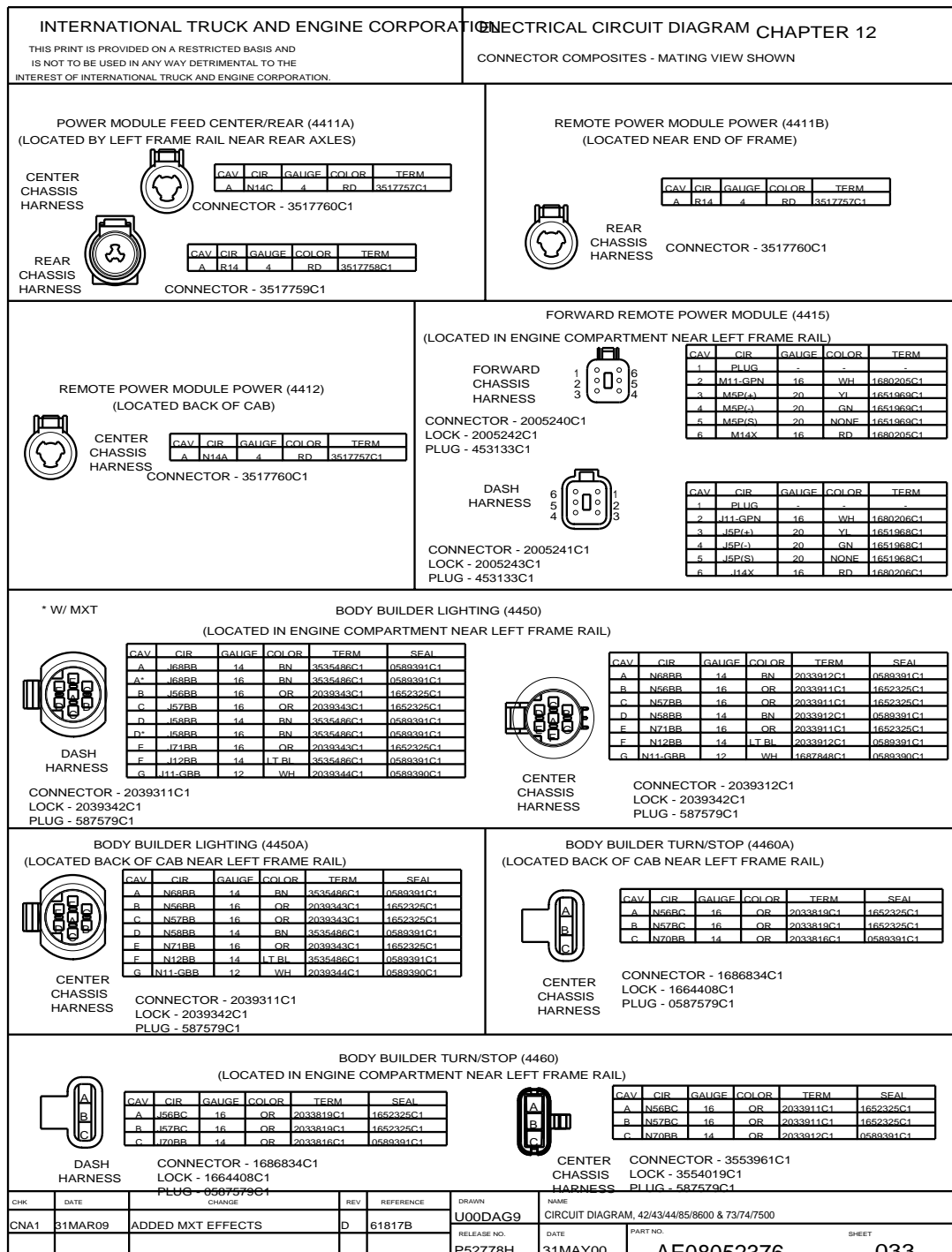


Figure 232 Connector Composites (4305), (4410), (4410B), (4410C), (4410D), (4410E), (4410H), (4410M), (4411)

**3200, 4100, 4200, 4300, 4400, 7300, 7400, 7500, 7600, 7700, 8500, 8600, MXT, RXT  
Models Built Oct. 1, 2005 to Feb. 28, 2007 — ELECTRICAL CIRCUIT DIAGRAMS**

233

**12.40. CONNECTOR COMPOSITES (4411A), (4411B), (4412), (4415), (4450), (4450A), (4460A), (4460), P. 33**

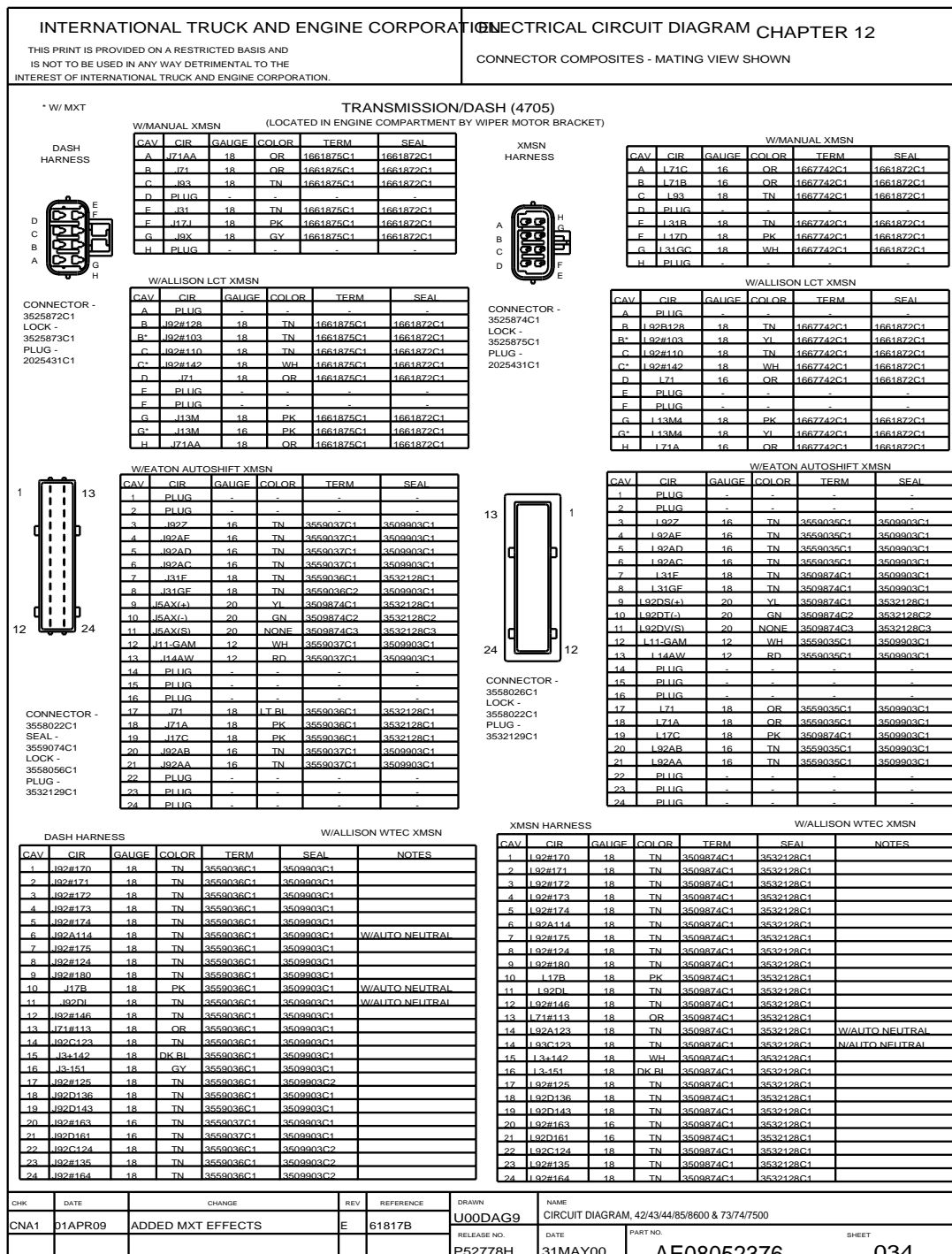


**Figure 233 Connector Composites (4411A), (4411B), (4412), (4415), (4450), (4450A), (4460A), (4460)**



# 3200, 4100, 4200, 4300, 4400, 7300, 7400, 7500, 7600, 7700, 8500, 8600, MXT, RXT Models Built Oct. 1, 2005 to Feb. 28, 2007 — ELECTRICAL CIRCUIT DIAGRAMS

## 12.41. CONNECTOR COMPOSITE (4705), P. 34

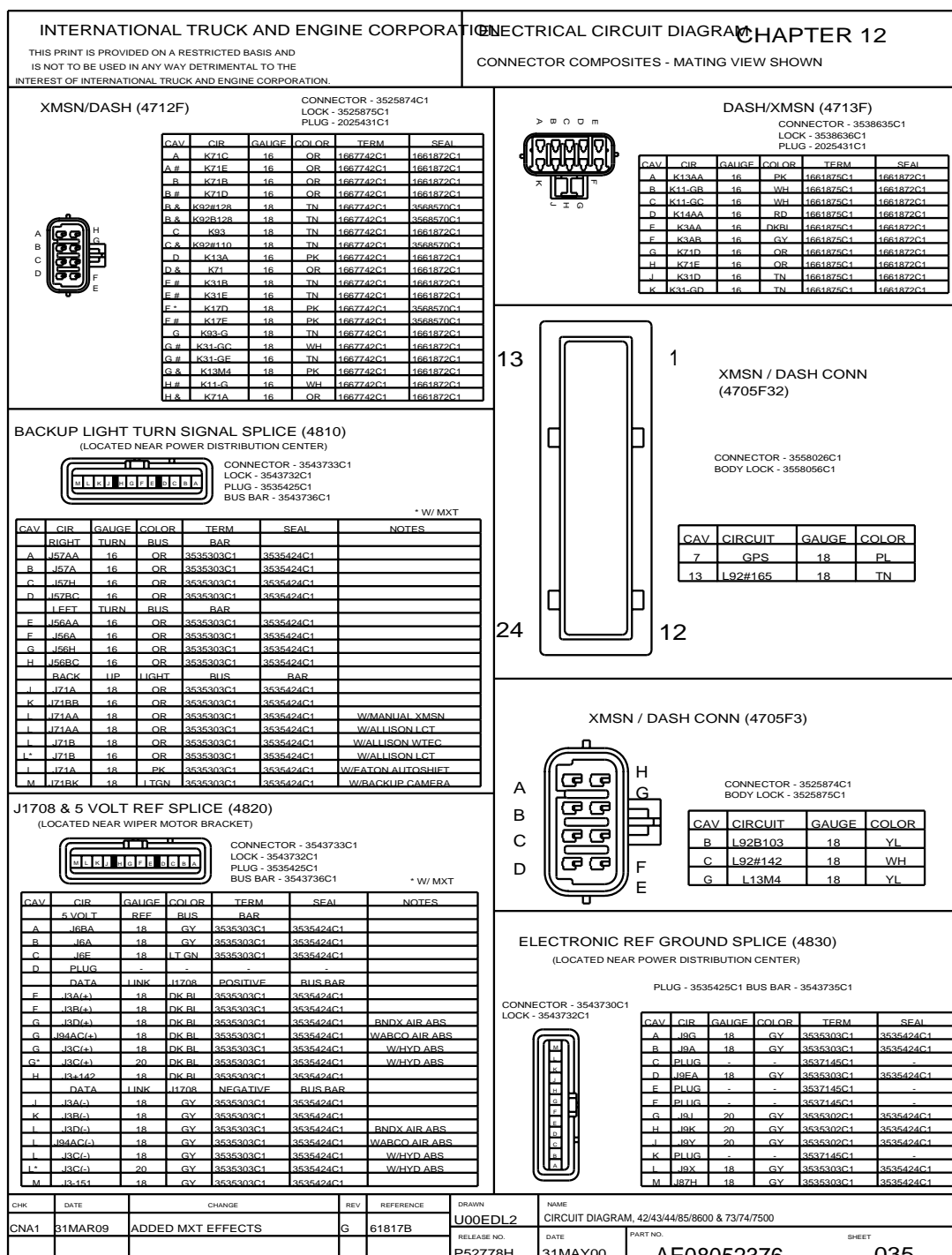




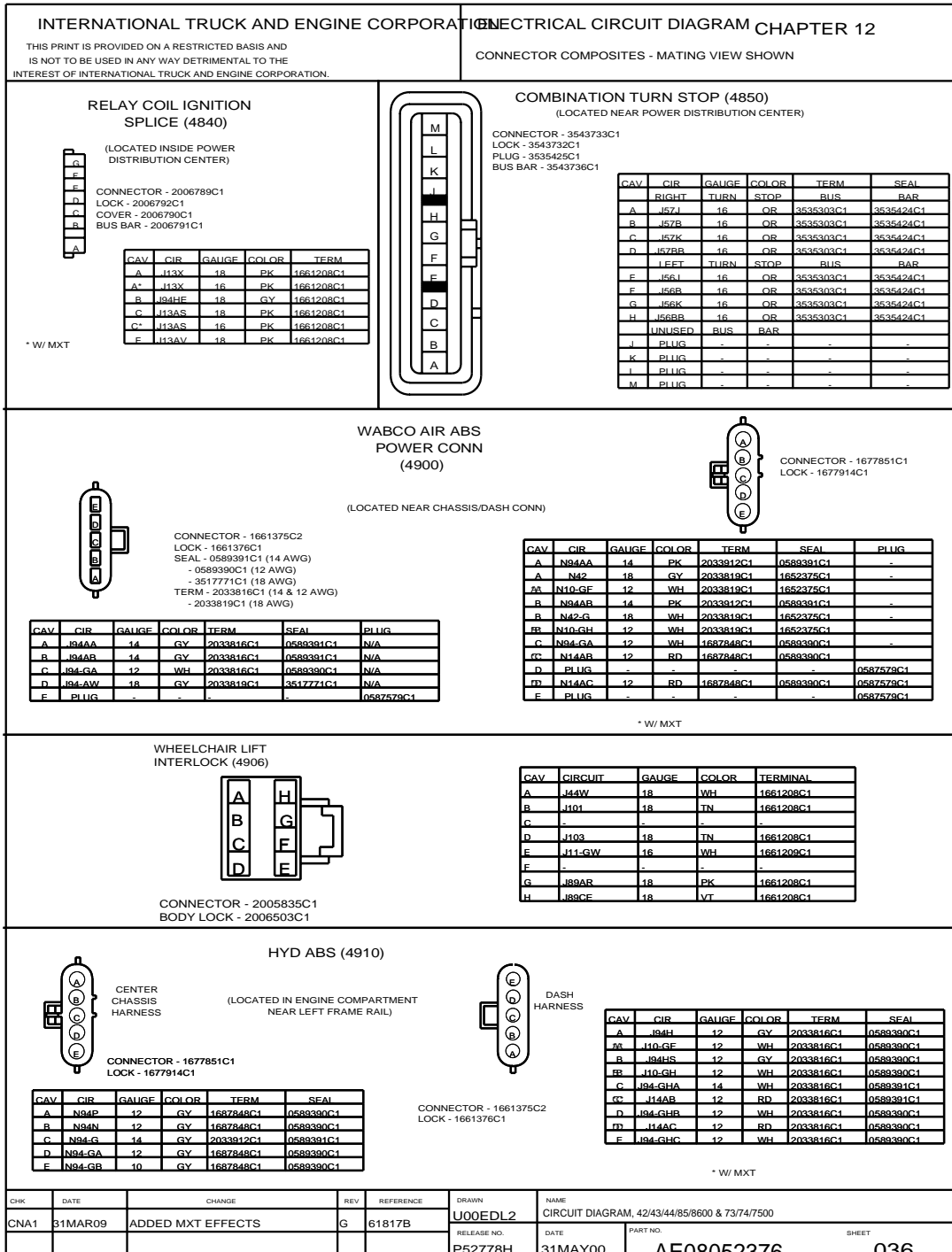
**3200, 4100, 4200, 4300, 4400, 7300, 7400, 7500, 7600, 7700, 8500, 8600, MXT, RXT  
Models Built Oct. 1, 2005 to Feb. 28, 2007 — ELECTRICAL CIRCUIT DIAGRAMS**

235

**12.42. CONNECTOR COMPOSITES (4705F32), (4705F3), (4712F), (4713F), (4810), (4820), (4830), P. 35**



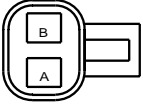
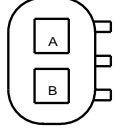


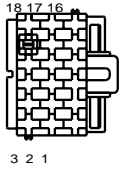
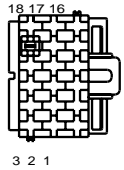
**Figure 235 Connector Composites (4705F32), (4705F3), (4712F), (4713F), (4810), (4820), (4830)**

**3200, 4100, 4200, 4300, 4400, 7300, 7400, 7500, 7600, 7700, 8500, 8600, MXT, RXT  
Models Built Oct. 1, 2005 to Feb. 28, 2007 — ELECTRICAL CIRCUIT DIAGRAMS**
**12.43. CONNECTOR COMPOSITES (4840), (4850), (4900), (4906), (4910), P. 36**


**3200, 4100, 4200, 4300, 4400, 7300, 7400, 7500, 7600, 7700, 8500, 8600, MXT, RXT**  
**Models Built Oct. 1, 2005 to Feb. 28, 2007 — ELECTRICAL CIRCUIT DIAGRAMS**

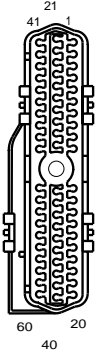
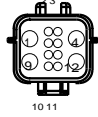
237

## 12.44. CONNECTOR COMPOSITES (4921), (4922), (4950), (4953), (4954), P. 36A

INTERNATIONAL TRUCK AND ENGINE CORPORATION					ELECTRICAL CIRCUIT DIAGRAM CHAPTER 12																																																																																																																																																																																																		
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 style="text-align: center;">W/ MXT</p> <p style="text-align: center;">WABCO HYD ABS (4922)</p>  <p style="text-align: center;">CONNECTOR - 1671610C1 BODY LOCK - 1671608C1 PLUG - 0587579C1</p> <table border="1" style="width: 100%; border-collapse: collapse; font-size: 0.8em;"> <thead> <tr> <th>CAV</th> <th>CIRCUIT</th> <th>GAUGE</th> <th>COLOR</th> <th>TERM</th> <th>SEAL</th> <th>NOTE</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>N10-GE</td> <td>12</td> <td>WH</td> <td>3573654C1</td> <td>3573655C1</td> <td>W/ MILITARY</td> </tr> <tr> <td>A</td> <td>N10-GE1</td> <td>12</td> <td>WH</td> <td>1687847C1</td> <td>-</td> <td>W/ CIVILIAN</td> </tr> <tr> <td>B</td> <td>PLUG</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> </tr> </tbody> </table>					CAV	CIRCUIT	GAUGE	COLOR	TERM	SEAL	NOTE	A	N10-GE	12	WH	3573654C1	3573655C1	W/ MILITARY	A	N10-GE1	12	WH	1687847C1	-	W/ CIVILIAN	B	PLUG	-	-	-	-	-	<p style="text-align: center;">HYD ABS CONNECTION (4921)</p>  <p style="text-align: center;">CONNECTOR - 1671611C1 BODY LOCK - 1671608C1</p> <table border="1" style="width: 100%; border-collapse: collapse; font-size: 0.8em;"> <thead> <tr> <th>CAV</th> <th>CIRCUIT</th> <th>GAUGE</th> <th>COLOR</th> <th>TERM</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>J10-GE</td> <td>12</td> <td>WH</td> <td>2033912C1</td> </tr> <tr> <td>B</td> <td>J14AA</td> <td>12</td> <td>RD</td> <td>2033912C1</td> </tr> </tbody> </table>					CAV	CIRCUIT	GAUGE	COLOR	TERM	A	J10-GE	12	WH	2033912C1	B	J14AA	12	RD	2033912C1																																																																																																																																																			
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A	N10-GE1	12	WH	1687847C1	-	W/ CIVILIAN																																																																																																																																																																																																	
B	PLUG	-	-	-	-	-																																																																																																																																																																																																	
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B	J14AA	12	RD	2033912C1																																																																																																																																																																																																			
<p style="text-align: center;">BENDIX AUTO TRACTION CONTROL (4950)</p> <p style="text-align: center;">(LOCATED NEAR REAR AXLES)</p>  <p style="text-align: center;">CONNECTOR - 3518182C1 LOCK - 3518184C1</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>R94RD</td> <td>16</td> <td>BN</td> <td>3518963C1</td> </tr> <tr> <td>2</td> <td>R94RF</td> <td>16</td> <td>YL</td> <td>3518963C1</td> </tr> </tbody> </table>					CAV	CIR	GAUGE	COLOR	TERM	1	R94RD	16	BN	3518963C1	2	R94RF	16	YL	3518963C1	<p style="text-align: center;">(LOCATED NEAR REAR AXLES)</p>  <p style="text-align: center;">PURCHASED ASSEMBLY P/N 3519669C1</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>R94WX</td> <td>18</td> <td>GY</td> <td>P/O ASSY</td> </tr> <tr> <td>2</td> <td>R94WZ</td> <td>18</td> <td>GY</td> <td>P/O ASSY</td> </tr> </tbody> </table>					CAV	CIR	GAUGE	COLOR	TERM	1	R94WX	18	GY	P/O ASSY	2	R94WZ	18	GY	P/O ASSY																																																																																																																																																																
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1	R94RD	16	BN	3518963C1																																																																																																																																																																																																			
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<p style="text-align: center;">ABS CONN X2 (4954)</p> <p style="text-align: center;">(LOCATED IN IP HARNESS)</p> <p style="text-align: center;">CONNECTOR - 3596929C1</p>  <table border="1" style="width: 100%; border-collapse: collapse; font-size: 0.8em;"> <thead> <tr> <th>CAV</th> <th>CIRCUIT</th> <th>GAUGE</th> <th>COLOR</th> <th>TERMINAL</th> </tr> </thead> <tbody> <tr><td>1</td><td>A94AS</td><td>18</td><td>GY</td><td>3598072C1</td></tr> <tr><td>2</td><td>A94AP</td><td>18</td><td>GY</td><td>3598072C1</td></tr> <tr><td>3</td><td>A94AR</td><td>18</td><td>GY</td><td>3598072C1</td></tr> <tr><td>4</td><td>A94AX</td><td>18</td><td>GY</td><td>3598072C1</td></tr> <tr><td>5</td><td>A94AM</td><td>18</td><td>GY</td><td>3598072C1</td></tr> <tr><td>6</td><td>A94AW</td><td>18</td><td>GY</td><td>3598072C1</td></tr> <tr><td>7</td><td>A94AV</td><td>18</td><td>GY</td><td>3598072C1</td></tr> <tr><td>8</td><td>A94AN</td><td>18</td><td>GY</td><td>3598072C1</td></tr> <tr><td>9</td><td>A94AH</td><td>18</td><td>GY</td><td>3598072C1</td></tr> <tr><td>10</td><td>A94AJ</td><td>18</td><td>GY</td><td>3598072C1</td></tr> <tr><td>11</td><td>A94AT</td><td>16</td><td>GY</td><td>3598073C1</td></tr> <tr><td>12</td><td>A94AD</td><td>18</td><td>GY</td><td>3598072C1</td></tr> <tr><td>13</td><td>A94AF</td><td>18</td><td>GY</td><td>3598072C1</td></tr> <tr><td>14</td><td>A94AU</td><td>16</td><td>GY</td><td>3598073C1</td></tr> <tr><td>15</td><td>A94AA</td><td>16</td><td>GY</td><td>3598073C1</td></tr> <tr><td>16</td><td>A94AE</td><td>18</td><td>GY</td><td>3598072C1</td></tr> <tr><td>17</td><td>A94AC</td><td>18</td><td>GY</td><td>3598072C1</td></tr> <tr><td>18</td><td>A94AB</td><td>16</td><td>GY</td><td>3598073C1</td></tr> </tbody> </table>					CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	1	A94AS	18	GY	3598072C1	2	A94AP	18	GY	3598072C1	3	A94AR	18	GY	3598072C1	4	A94AX	18	GY	3598072C1	5	A94AM	18	GY	3598072C1	6	A94AW	18	GY	3598072C1	7	A94AV	18	GY	3598072C1	8	A94AN	18	GY	3598072C1	9	A94AH	18	GY	3598072C1	10	A94AJ	18	GY	3598072C1	11	A94AT	16	GY	3598073C1	12	A94AD	18	GY	3598072C1	13	A94AF	18	GY	3598072C1	14	A94AU	16	GY	3598073C1	15	A94AA	16	GY	3598073C1	16	A94AE	18	GY	3598072C1	17	A94AC	18	GY	3598072C1	18	A94AB	16	GY	3598073C1	<p style="text-align: center;">ABS CONN X1 (4953)</p> <p style="text-align: center;">(LOCATED IN IP HARNESS)</p> <p style="text-align: center;">CONNECTOR - 3596926C1 CONNECTOR LOCK - 3562309C1</p>  <table border="1" style="width: 100%; border-collapse: collapse; font-size: 0.8em;"> <thead> <tr> <th>CAV</th> <th>CIRCUIT</th> <th>GAUGE</th> <th>COLOR</th> <th>TERMINAL</th> </tr> </thead> <tbody> <tr><td>1</td><td>A94GA</td><td>12</td><td>GY</td><td>3597157C1</td></tr> <tr><td>2</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>3</td><td>A94AYA</td><td>16</td><td>GY</td><td>3598073C1</td></tr> <tr><td>4</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>5</td><td>A94ATR</td><td>16</td><td>GY</td><td>3598073C1</td></tr> <tr><td>6</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>7</td><td>A5AJ(-)</td><td>18</td><td>GN</td><td>3598072C1</td></tr> <tr><td>8</td><td>A5AJ(+)</td><td>18</td><td>YL</td><td>3598072C1</td></tr> <tr><td>9</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>10</td><td>A94AK</td><td>16</td><td>GY</td><td>3598073C1</td></tr> <tr><td>11</td><td>A94AL</td><td>16</td><td>GY</td><td>3598073C1</td></tr> <tr><td>12</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>13</td><td>A3D(-)</td><td>18</td><td>GY</td><td>3598072C1</td></tr> <tr><td>14</td><td>A3D(+)</td><td>18</td><td>DK BL</td><td>3598072C1</td></tr> <tr><td>15</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>16</td><td>A94AY</td><td>12</td><td>GY</td><td>3597157C1</td></tr> <tr><td>17</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>18</td><td>A94H</td><td>18</td><td>GY</td><td>3548969C1</td></tr> </tbody> </table>					CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	1	A94GA	12	GY	3597157C1	2	-	-	-	-	3	A94AYA	16	GY	3598073C1	4	-	-	-	-	5	A94ATR	16	GY	3598073C1	6	-	-	-	-	7	A5AJ(-)	18	GN	3598072C1	8	A5AJ(+)	18	YL	3598072C1	9	-	-	-	-	10	A94AK	16	GY	3598073C1	11	A94AL	16	GY	3598073C1	12	-	-	-	-	13	A3D(-)	18	GY	3598072C1	14	A3D(+)	18	DK BL	3598072C1	15	-	-	-	-	16	A94AY	12	GY	3597157C1	17	-	-	-	-	18	A94H	18	GY	3548969C1
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**Figure 237 Connector Composites (4921), (4922), (4950), (4953), (4954)**

## 12.45. CONNECTOR COMPOSITES (6007), (6011), P. 37

INTERNATIONAL TRUCK AND ENGINE CORPORATION					ELECTRICAL CIRCUIT DIAGRAM CHAPTER 12																																																																																																																																																																																																																																																																																																																																																																				
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>CEC (6007)</p> <p>(LOCATED ON ENGINE ECM)</p>  <p>CONNECTOR - 3541979C1 LOCK - 2041418C1 PLUG - 2041421C2 COVER - 3541958C91</p>					<table border="1" style="width: 100%; border-collapse: collapse; font-size: x-small;"> <thead> <tr> <th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>TERM</th><th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>TERM</th><th>NOTES</th></tr> </thead> <tbody> <tr><td>1</td><td>K97V</td><td>14</td><td>VT</td><td>2041420C1</td><td>31</td><td>K46A</td><td>18</td><td>GY</td><td>2041419C1</td><td></td></tr> <tr><td>2</td><td>K97P</td><td>14</td><td>VT</td><td>2041420C1</td><td>32</td><td>K46B</td><td>18</td><td>GY</td><td>2041419C1</td><td></td></tr> <tr><td>3</td><td>K97C</td><td>18</td><td>VT</td><td>2041419C1</td><td>33</td><td>PLUG</td><td>-</td><td>-</td><td>2663105C1</td><td></td></tr> <tr><td>4</td><td>K97HF</td><td>18</td><td>VT</td><td>2041419C1</td><td>34</td><td>PLUG</td><td>-</td><td>-</td><td>2663105C1</td><td></td></tr> <tr><td>5</td><td>K97DD</td><td>18</td><td>VT</td><td>2041419C1</td><td>35</td><td>PLUG</td><td>-</td><td>-</td><td>2663105C1</td><td></td></tr> <tr><td>6</td><td>K97HM</td><td>18</td><td>VT</td><td>2041419C1</td><td>36</td><td>K97CC</td><td>18</td><td>VT</td><td>2041419C1</td><td></td></tr> <tr><td>7</td><td>K97WA</td><td>18</td><td>VT</td><td>2041419C1</td><td>37</td><td>K97CB</td><td>18</td><td>VT</td><td>2041419C1</td><td></td></tr> <tr><td>8</td><td>K99T</td><td>18</td><td>VT</td><td>2041419C1</td><td>38</td><td>PLUG</td><td>-</td><td>-</td><td>2663105C1</td><td></td></tr> <tr><td>9</td><td>K97XC</td><td>18</td><td>VT</td><td>2041419C1</td><td>39</td><td>K47</td><td>18</td><td>GY</td><td>2041419C1</td><td></td></tr> <tr><td>10</td><td>K34A</td><td>18</td><td>TN</td><td>2041419C1</td><td>40</td><td>K47A</td><td>18</td><td>GY</td><td>2041419C1</td><td></td></tr> 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<tr><td>23</td><td>K97N</td><td>14</td><td>VT</td><td>2041420C1</td><td>52</td><td>PLUG</td><td>-</td><td>-</td><td>2663105C1</td><td></td></tr> <tr><td>24</td><td>K97M</td><td>16</td><td>VT</td><td>2041420C1</td><td>53</td><td>PLUG</td><td>-</td><td>-</td><td>2663105C1</td><td></td></tr> <tr><td>25</td><td>K97J</td><td>16</td><td>VT</td><td>2041420C1</td><td>54</td><td>K97WI</td><td>18</td><td>VT</td><td>2041419C1</td><td></td></tr> <tr><td>26</td><td>K17B</td><td>18</td><td>VT</td><td>2041419C1</td><td>55</td><td>K97EW</td><td>18</td><td>VT</td><td>2041419C1</td><td></td></tr> <tr><td>27</td><td>K99S</td><td>18</td><td>VT</td><td>2041419C1</td><td>56</td><td>PLUG</td><td>-</td><td>-</td><td>2663105C1</td><td></td></tr> <tr><td>28</td><td>PLUG</td><td>-</td><td>-</td><td>2663105C1</td><td>57</td><td>PLUG</td><td>-</td><td>-</td><td>2663105C1</td><td></td></tr> <tr><td>29</td><td>K97K</td><td>18</td><td>VT</td><td>2041419C1</td><td>58</td><td>K47B</td><td>18</td><td>GY</td><td>2041419C1</td><td></td></tr> <tr><td>30</td><td>K99E</td><td>18</td><td>VT</td><td>2041419C1</td><td>59</td><td>K97AR</td><td>18</td><td>VT</td><td>2041419C1</td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td>60</td><td>PLUG</td><td>-</td><td>-</td><td>2663105C1</td><td></td></tr> </tbody> 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PROT	19	K5B(+)	18	YL	2041419C1	48	PLUG	-	-	2663105C1	W/OVERCRANK PROT	20	K5B(-)	18	GN	2041419C1	49	K97HG	18	VT	2041419C1		21	K97E	14	PI	2041420C1	50	PLUG	-	-	2663105C1		22	K97Z	14	PI	2041420C1	51	PLUG	-	-	2663105C1		23	K97N	14	VT	2041420C1	52	PLUG	-	-	2663105C1		24	K97M	16	VT	2041420C1	53	PLUG	-	-	2663105C1		25	K97J	16	VT	2041420C1	54	K97WI	18	VT	2041419C1		26	K17B	18	VT	2041419C1	55	K97EW	18	VT	2041419C1		27	K99S	18	VT	2041419C1	56	PLUG	-	-	2663105C1		28	PLUG	-	-	2663105C1	57	PLUG	-	-	2663105C1		29	K97K	18	VT	2041419C1	58	K47B	18	GY	2041419C1		30	K99E	18	VT	2041419C1	59	K97AR	18	VT	2041419C1							60	PLUG	-	-	2663105C1	
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6	K97HM	18	VT	2041419C1	36	K97CC	18	VT	2041419C1																																																																																																																																																																																																																																																																																																																																																																
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<p>THIS SPACE LEFT INTENTIONALLY BLANK</p>					<p>ENGINE IDM2 (6011)</p> <p>(LOCATED NEAR ENGINE IDM)</p>  <table border="1" style="width: 100%; border-collapse: collapse; font-size: x-small;"> <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>K97-GA</td><td>12</td><td>WH</td><td>3549415C1</td></tr> <tr><td>2</td><td>K3C(+)</td><td>18</td><td>DK BL</td><td>3549418C1</td></tr> <tr><td>3</td><td>K3C(-)</td><td>18</td><td>RY</td><td>3549418C1</td></tr> <tr><td>4</td><td>K97-GB</td><td>12</td><td>WH</td><td>3549415C1</td></tr> <tr><td>4*</td><td>K97-GB</td><td>16</td><td>WH</td><td>3549415C1</td></tr> <tr><td>5</td><td>K97S</td><td>16</td><td>VT</td><td>3549417C1</td></tr> <tr><td>6</td><td>K97L C</td><td>16</td><td>VT</td><td>3549417C1</td></tr> <tr><td>6*</td><td>K97L C</td><td>16</td><td>PI</td><td>3549417C1</td></tr> <tr><td>7</td><td>PLUG</td><td>-</td><td>-</td><td>3815661C1</td></tr> <tr><td>8</td><td>K97L A</td><td>16</td><td>VT</td><td>3549417C1</td></tr> <tr><td>8*</td><td>K97L A</td><td>16</td><td>PI</td><td>3549417C1</td></tr> <tr><td>9</td><td>K97M</td><td>16</td><td>VT</td><td>3549416C1</td></tr> <tr><td>9*</td><td>K97M</td><td>16</td><td>PI</td><td>3549416C1</td></tr> <tr><td>10</td><td>K97AZ</td><td>16</td><td>VT</td><td>3549418C1</td></tr> <tr><td>10*</td><td>K97AZ</td><td>18</td><td>PI</td><td>3549418C1</td></tr> <tr><td>11</td><td>PLUG</td><td>-</td><td>-</td><td>3815661C1</td></tr> <tr><td>12</td><td>K97Y</td><td>12</td><td>VT</td><td>3549415C1</td></tr> </tbody> </table> <p>CONNECTOR - 3549412C1</p> <p style="text-align: right;">* W/ MXT</p>					CAV	CIR	GAUGE	COLOR	TERM	1	K97-GA	12	WH	3549415C1	2	K3C(+)	18	DK BL	3549418C1	3	K3C(-)	18	RY	3549418C1	4	K97-GB	12	WH	3549415C1	4*	K97-GB	16	WH	3549415C1	5	K97S	16	VT	3549417C1	6	K97L C	16	VT	3549417C1	6*	K97L C	16	PI	3549417C1	7	PLUG	-	-	3815661C1	8	K97L A	16	VT	3549417C1	8*	K97L A	16	PI	3549417C1	9	K97M	16	VT	3549416C1	9*	K97M	16	PI	3549416C1	10	K97AZ	16	VT	3549418C1	10*	K97AZ	18	PI	3549418C1	11	PLUG	-	-	3815661C1	12	K97Y	12	VT	3549415C1																																																																																																																																																																																																																																																																						
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**Figure 238 Connector Composites (6007), (6011)**

## 12.46. CONNECTOR COMPOSITES (6013M), (6014), (6015), P. 38

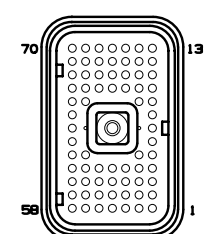
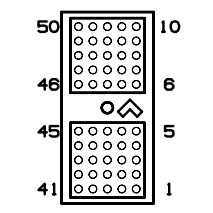
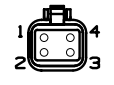
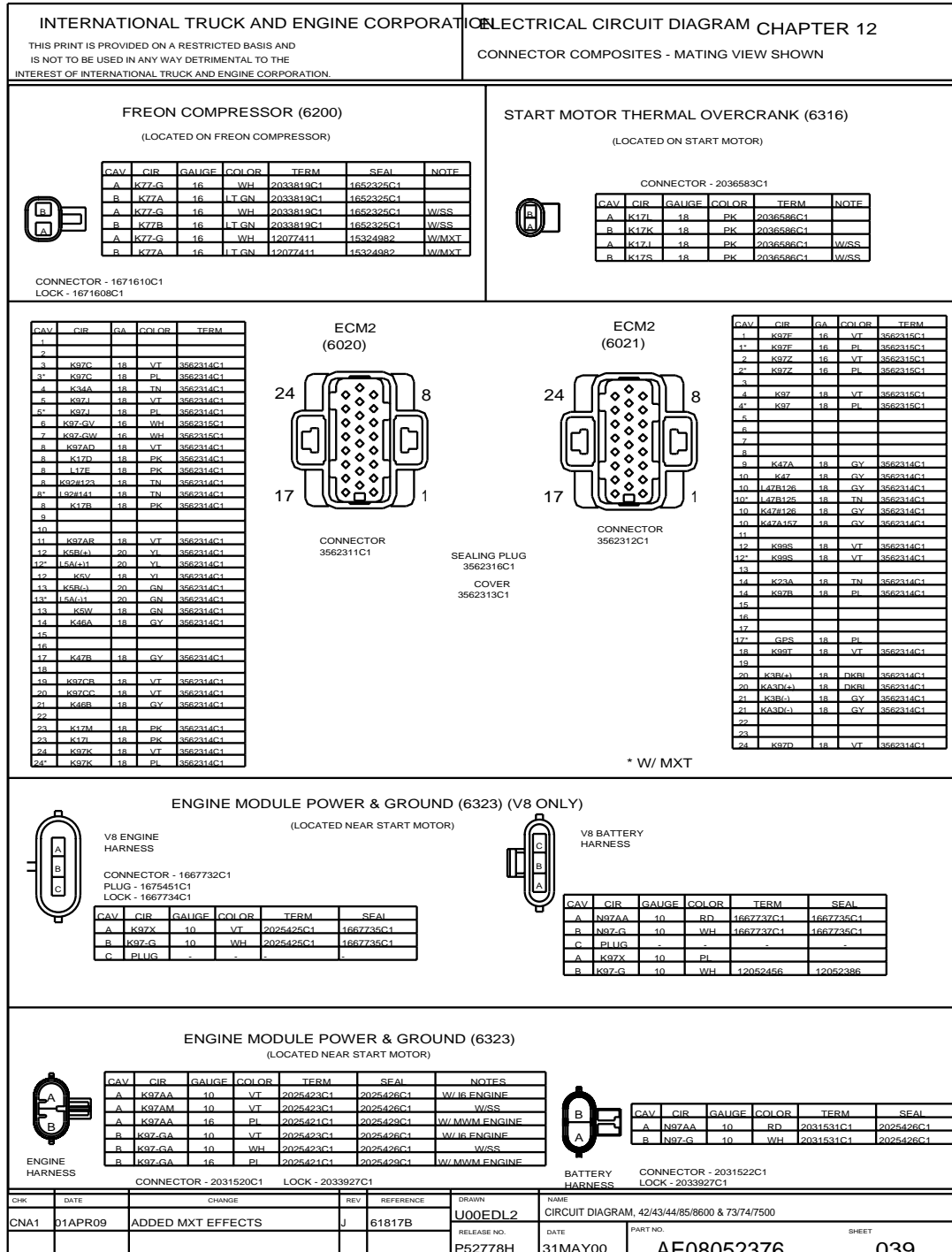
INTERNATIONAL TRUCK AND ENGINE CORPORATION				ELECTRICAL CIRCUIT DIAGRAM CHAPTER 12																																																																																																																																																																																																																																																																																																																																																																											
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><b>ECM CONN (6013M)</b></p>  <p>CONNECTOR - 3526966C1 PLUG - 2023143C1</p>				<table border="1" style="width: 100%; border-collapse: collapse; font-size: x-small;"> <thead> <tr> <th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>TERM</th><th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>TERM</th></tr> </thead> <tbody> <tr><td>1</td><td>PLUG</td><td></td><td></td><td></td><td>36</td><td>K47T</td><td>18</td><td>GY</td><td>3526966C1</td></tr> <tr><td>2</td><td>K34B</td><td>16</td><td>TN</td><td>3526966C1</td><td>37</td><td>PLUG</td><td></td><td></td><td></td></tr> <tr><td>3</td><td>PLUG</td><td></td><td></td><td></td><td>38</td><td>PLUG</td><td></td><td></td><td></td></tr> <tr><td>4</td><td>K97P</td><td>18</td><td>VT</td><td>3526966C1</td><td>39</td><td>PLUG</td><td></td><td></td><td></td></tr> <tr><td>5</td><td>K97YA</td><td>18</td><td>VT</td><td>3526966C1</td><td>40</td><td>PLUG</td><td></td><td></td><td></td></tr> 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<p><b>ENGINE CONTROLLER (6014)</b></p>  <p>CONNECTOR - 3555048C1 PLUG - 3527278C1 TERMINAL - 3518963C1</p>				<table border="1" style="width: 100%; border-collapse: collapse; font-size: x-small;"> <thead> <tr> <th>CAV</th><th>CIRCUIT</th><th>GAUGE</th><th>COLOR</th><th>CAV</th><th>CIRCUIT</th><th>GAUGE</th><th>COLOR</th></tr> </thead> <tbody> <tr><td>1</td><td>K99U</td><td>18</td><td>VT</td><td>26</td><td>PLUG</td><td></td><td></td></tr> <tr><td>2</td><td>PLUG</td><td></td><td></td><td>27</td><td>K47</td><td>16</td><td>GY</td></tr> <tr><td>3</td><td>PLUG</td><td></td><td></td><td>28</td><td>K34E</td><td>16</td><td>TN</td></tr> <tr><td>4</td><td>PLUG</td><td></td><td></td><td>29</td><td>PLUG</td><td></td><td></td></tr> <tr><td>5</td><td>PLUG</td><td></td><td></td><td>30</td><td>PLUG</td><td></td><td></td></tr> <tr><td>6</td><td>PLUG</td><td></td><td></td><td>31</td><td>PLUG</td><td></td><td></td></tr> <tr><td>7</td><td>PLUG</td><td></td><td></td><td>32</td><td>K34-GB</td><td>16</td><td>WH</td></tr> <tr><td>8</td><td>PLUG</td><td></td><td></td><td>33</td><td>PLUG</td><td></td><td></td></tr> <tr><td>9</td><td>K99V</td><td>18</td><td>VT</td><td>34</td><td>K97D</td><td>18</td><td>VT</td></tr> <tr><td>10</td><td>K3A(+)</td><td>18</td><td>DKBL</td><td>35</td><td>PLUG</td><td></td><td></td></tr> <tr><td>11</td><td>K99W</td><td>18</td><td>VT</td><td>36</td><td>K47A</td><td>16</td><td>GY</td></tr> <tr><td>12</td><td>PLUG</td><td></td><td></td><td>37</td><td>PLUG</td><td></td><td></td></tr> <tr><td>13</td><td>PLUG</td><td></td><td></td><td>38</td><td>K23N</td><td>16</td><td>TN</td></tr> <tr><td>14</td><td>PLUG</td><td></td><td></td><td>39</td><td>K97U1</td><td>18</td><td>VT</td></tr> <tr><td>15</td><td>PLUG</td><td></td><td></td><td>40</td><td>PLUG</td><td></td><td></td></tr> <tr><td>16</td><td>PLUG</td><td></td><td></td><td>41</td><td>PLUG</td><td></td><td></td></tr> <tr><td>17</td><td>PLUG</td><td></td><td></td><td>42</td><td>PLUG</td><td></td><td></td></tr> <tr><td>18</td><td>PLUG</td><td></td><td></td><td>43</td><td>PLUG</td><td></td><td></td></tr> <tr><td>19</td><td>PLUG</td><td></td><td></td><td>44</td><td>PLUG</td><td></td><td></td></tr> <tr><td>20</td><td>K3B(-)</td><td>18</td><td>GY</td><td>45</td><td>PLUG</td><td></td><td></td></tr> <tr><td>21</td><td>PLUG</td><td></td><td></td><td>46</td><td>K5V</td><td>18</td><td>YL</td></tr> <tr><td>22</td><td>K97P</td><td>18</td><td>VT</td><td>47</td><td>K5W</td><td>18</td><td>GN</td></tr> <tr><td>23</td><td>K97Y</td><td>18</td><td>VT</td><td>48</td><td>PLUG</td><td></td><td></td></tr> <tr><td>24</td><td>PLUG</td><td></td><td></td><td>49</td><td>PLUG</td><td></td><td></td></tr> <tr><td>25</td><td>PLUG</td><td></td><td></td><td>50</td><td>PLUG</td><td></td><td></td></tr> </tbody> </table>				CAV	CIRCUIT	GAUGE	COLOR	CAV	CIRCUIT	GAUGE	COLOR	1	K99U	18	VT	26	PLUG			2	PLUG			27	K47	16	GY	3	PLUG			28	K34E	16	TN	4	PLUG			29	PLUG			5	PLUG			30	PLUG			6	PLUG			31	PLUG			7	PLUG			32	K34-GB	16	WH	8	PLUG			33	PLUG			9	K99V	18	VT	34	K97D	18	VT	10	K3A(+)	18	DKBL	35	PLUG			11	K99W	18	VT	36	K47A	16	GY	12	PLUG			37	PLUG			13	PLUG			38	K23N	16	TN	14	PLUG			39	K97U1	18	VT	15	PLUG			40	PLUG			16	PLUG			41	PLUG			17	PLUG			42	PLUG			18	PLUG			43	PLUG			19	PLUG			44	PLUG			20	K3B(-)	18	GY	45	PLUG			21	PLUG			46	K5V	18	YL	22	K97P	18	VT	47	K5W	18	GN	23	K97Y	18	VT	48	PLUG			24	PLUG			49	PLUG			25	PLUG			50	PLUG																																																																																																																																																										
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<p><b>ECM POWER (6015)</b></p>  <p>CONNECTOR - 3557533C1 WEDGE - 3557533C1 TERMINAL - 3557534C1</p>				<table border="1" style="width: 100%; border-collapse: collapse; font-size: x-small;"> <thead> <tr> <th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>NOTES</th></tr> </thead> <tbody> <tr><td>1</td><td>K10-GV</td><td>12</td><td>WH</td><td></td></tr> <tr><td>2</td><td>K97U2</td><td>12</td><td>VT</td><td>N/2004 ISM ENGINES</td></tr> <tr><td>2</td><td>PLUG</td><td></td><td></td><td></td></tr> <tr><td>3</td><td>PLUG</td><td></td><td></td><td></td></tr> <tr><td>4</td><td>K97AM</td><td>12</td><td>VT</td><td></td></tr> </tbody> </table>				CAV	CIR	GAUGE	COLOR	NOTES	1	K10-GV	12	WH		2	K97U2	12	VT	N/2004 ISM ENGINES	2	PLUG				3	PLUG				4	K97AM	12	VT																																																																																																																																																																																																																																																																																																																																											
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Figure 239 Connector Composites (6013M), (6014), (6015)

**12.47. CONNECTOR COMPOSITES (6020), (6021), (6200), (6316), (6323), P. 39**

**Figure 240 Connector Composites (6020), (6021), (6200), (6316), (6323)**

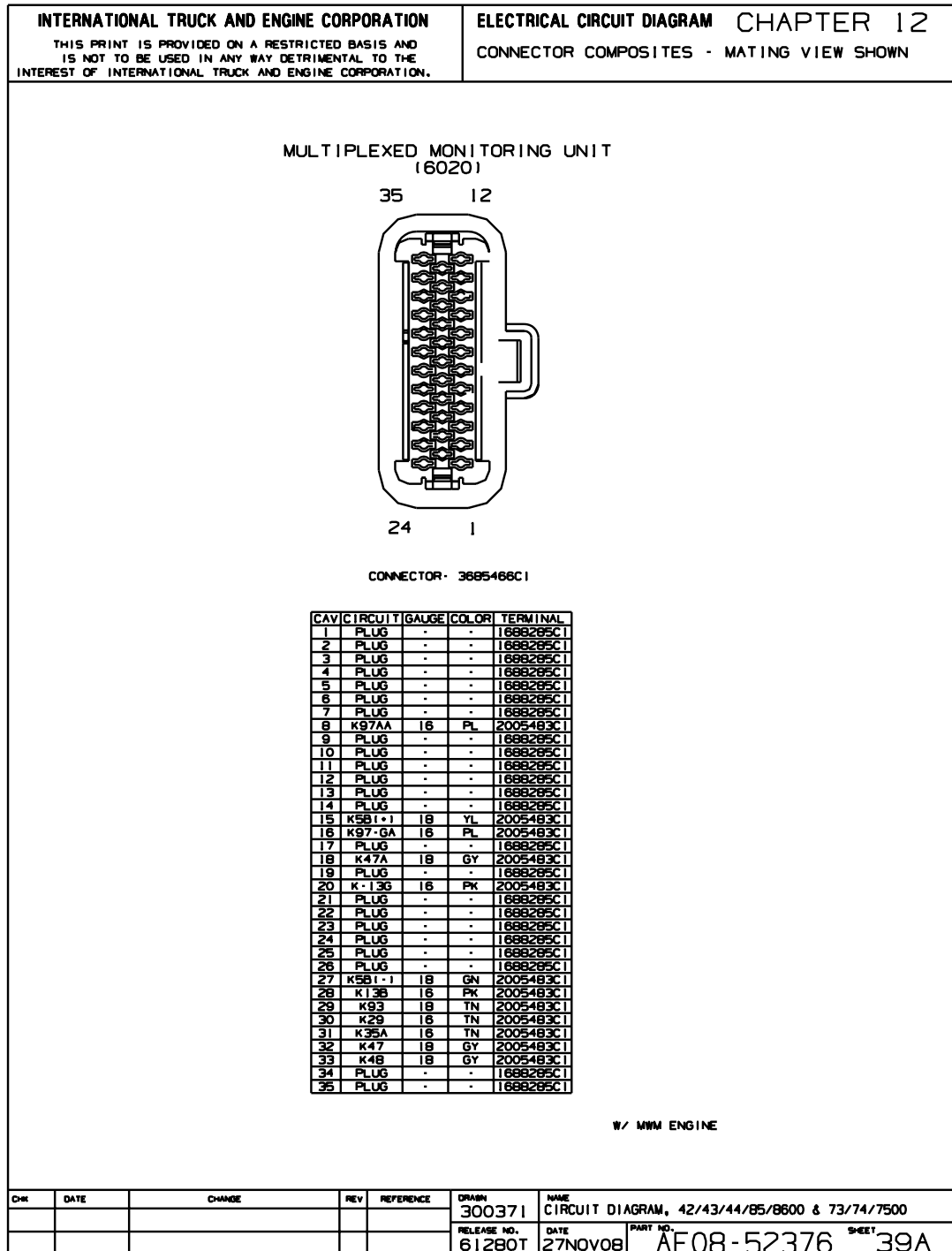
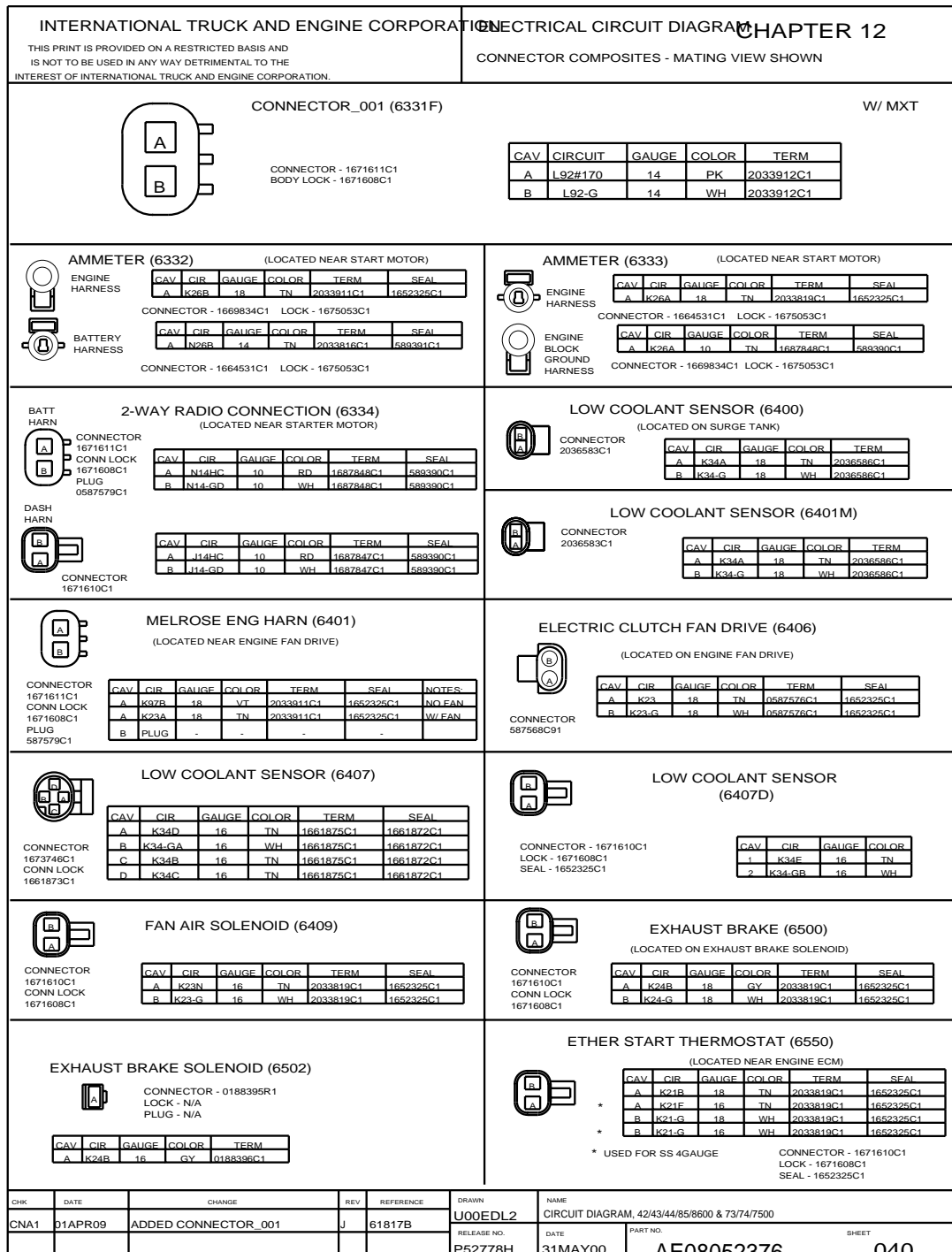
**12.48. CONNECTOR COMPOSITES (6020), P. 39A**

Figure 241 Connector Composites (6020)

**12.49. CONNECTOR COMPOSITES (6331F), (6332), (6333), (6334), (6400), (6401M), (6401), (6406), (6407), (6407D), (6409), (6500), (6502), (6550), P. 40**

**Figure 242 Connector Composites (6331F), (6332), (6333), (6334), (6400), (6401M), (6401), (6406), (6407), (6407D), (6409), (6500), (6502), (6550)**



**12.50. CONNECTOR COMPOSITES (6703), (6704), (6708), (6900A), (7103), (7104), (7104A), (7105), (7106), (7107), P. 41**

INTERNATIONAL TRUCK AND ENGINE CORPORATION				ELECTRICAL CIRCUIT DIAGRAM CHAPTER 12																																																																																																																																													
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<b>AMBIENT AIR TEMP SENSOR (6703)</b> (LOCATED ON AIR FILTER HOUSING) <table border="1" style="width: 100%; font-size: 0.7em;"> <tr><th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>TERM</th></tr> <tr><td>A</td><td>K97E</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> </table> CONNECTOR - 1689462C1 LOCK - 1689463C1				CAV	CIR	GAUGE	COLOR	TERM	A	K97E	16	VT	1689464C1	B	K97S	16	VT	1689464C1	<b>GROUND SPLICE (6704)</b> (LOCATED NEAR ENGINE ECM)  <table border="1" style="width: 100%; font-size: 0.7em;"> <tr><th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>TERM</th><th>SEAL</th></tr> <tr><td>1</td><td>K24-G</td><td>18</td><td>WH</td><td>3535303C1</td><td>3535424C1</td></tr> <tr><td>2</td><td>K77-G</td><td>18</td><td>WH</td><td>3535303C1</td><td>3535424C1</td></tr> <tr><td>3</td><td>K10-G</td><td>18</td><td>WH</td><td>3535303C1</td><td>3535424C1</td></tr> <tr><td>4</td><td>K10-6A</td><td>18</td><td>WH</td><td>3535303C1</td><td>3535424C1</td></tr> <tr><td>5</td><td>K34-G</td><td>18</td><td>WH</td><td>3535303C1</td><td>3535424C1</td></tr> <tr><td>6</td><td>K21-G</td><td>18</td><td>WH</td><td>3535303C1</td><td>3535424C1</td></tr> </table> CONNECTOR: 3543729C1 LOCK: 3543731C1 BUS BAR: 3543734C1				CAV	CIR	GAUGE	COLOR	TERM	SEAL	1	K24-G	18	WH	3535303C1	3535424C1	2	K77-G	18	WH	3535303C1	3535424C1	3	K10-G	18	WH	3535303C1	3535424C1	4	K10-6A	18	WH	3535303C1	3535424C1	5	K34-G	18	WH	3535303C1	3535424C1	6	K21-G	18	WH	3535303C1	3535424C1																																																																																	
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<b>BACKUP CAMERA/MONITOR (6900A)</b>  <table border="1" style="width: 100%; font-size: 0.7em;"> <tr><th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>TERM</th></tr> <tr><td>A</td><td>GB12RD</td><td>18</td><td>RD</td><td>1661208C1</td></tr> <tr><td>B</td><td>GB12BK</td><td>18</td><td>LTGN</td><td>1661208C1</td></tr> <tr><td>C</td><td>GB12-G</td><td>18</td><td>BK</td><td>1661208C1</td></tr> </table> CONNECTOR 1661196C1				CAV	CIR	GAUGE	COLOR	TERM	A	GB12RD	18	RD	1661208C1	B	GB12BK	18	LTGN	1661208C1	C	GB12-G	18	BK	1661208C1	 <table border="1" style="width: 100%; font-size: 0.7em;"> <tr><th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>TERM</th></tr> <tr><td>A</td><td>A12RD</td><td>18</td><td>RD</td><td>1661212C1</td></tr> <tr><td>B</td><td>A12BK</td><td>18</td><td>LTGN</td><td>1661212C1</td></tr> <tr><td>C</td><td>A12-G</td><td>18</td><td>BK</td><td>1661212C1</td></tr> </table> CONNECTOR 1661196C1				CAV	CIR	GAUGE	COLOR	TERM	A	A12RD	18	RD	1661212C1	B	A12BK	18	LTGN	1661212C1	C	A12-G	18	BK	1661212C1																																																																																																		
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<b>ENG/TRANS POWER &amp; GND (7104A)</b>  <table border="1" style="width: 100%; font-size: 0.7em;"> <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>K92B</td><td>10</td><td>TN</td><td>1667847C1</td><td>0589390C1</td></tr> <tr><td>B</td><td>K92-G</td><td>10</td><td>TN</td><td>1667847C1</td><td>0589390C1</td></tr> </table> CONNECTOR 1671610C1 LOCK 1671608C1 <b>WTEC W/16</b> <table border="1" style="width: 100%; font-size: 0.7em;"> <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>L92*136</td><td>10</td><td>TN</td><td>1667848C1</td><td>0589390C1</td></tr> <tr><td>B</td><td>L92*143</td><td>10</td><td>TN</td><td>1667848C1</td><td>0589390C1</td></tr> </table> <b>LCT W/16</b> <table border="1" style="width: 100%; font-size: 0.7em;"> <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>L92*103</td><td>18</td><td>TN</td><td>2033911C1</td><td>3517771C1</td></tr> <tr><td>B</td><td>L92-G</td><td>18</td><td>TN</td><td>2033911C1</td><td>1652325C1</td></tr> </table> CONNECTOR 1671611C1 LOCK 1671608C1				CAV	CIR	GAUGE	COLOR	TERM	SEAL	A	K92B	10	TN	1667847C1	0589390C1	B	K92-G	10	TN	1667847C1	0589390C1	CAV	CIR	GAUGE	COLOR	TERM	SEAL	A	L92*136	10	TN	1667848C1	0589390C1	B	L92*143	10	TN	1667848C1	0589390C1	CAV	CIR	GAUGE	COLOR	TERM	SEAL	A	L92*103	18	TN	2033911C1	3517771C1	B	L92-G	18	TN	2033911C1	1652325C1	<b>SHIFTER JUMPER (7105)</b>  <table border="1" style="width: 100%; font-size: 0.7em;"> <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>K92EA</td><td>16</td><td>TN</td><td>1661875C1</td><td>1661872C1</td></tr> <tr><td>B</td><td>K92EC</td><td>16</td><td>TN</td><td>1661875C1</td><td>1661872C1</td></tr> <tr><td>C</td><td>K92EB</td><td>16</td><td>TN</td><td>1661875C1</td><td>1661872C1</td></tr> </table> CONNECTOR - 1667741C1 LOCK - 1667771C1				CAV	CIR	GAUGE	COLOR	TERM	SEAL	A	K92EA	16	TN	1661875C1	1661872C1	B	K92EC	16	TN	1661875C1	1661872C1	C	K92EB	16	TN	1661875C1	1661872C1																																																												
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<b>LIGHTING ECM (7106)</b>  <table border="1" style="width: 100%; font-size: 0.7em;"> <tr><th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>TERM</th><th>SEAL</th></tr> <tr><td>A1</td><td>K14AA</td><td>16</td><td>RD</td><td>1651843C1</td><td>N/A</td></tr> <tr><td>A2</td><td>K3AA</td><td>16</td><td>DKBL</td><td>1651843C1</td><td>N/A</td></tr> <tr><td>A3</td><td>K11-G</td><td>16</td><td>WH</td><td>1651843C1</td><td>N/A</td></tr> <tr><td>B1</td><td>K13AA</td><td>16</td><td>PK</td><td>1651843C1</td><td>N/A</td></tr> <tr><td>B2</td><td>K3AA</td><td>16</td><td>GY</td><td>1651843C1</td><td>N/A</td></tr> <tr><td>B3</td><td>K11-G</td><td>16</td><td>WH</td><td>1651843C1</td><td>N/A</td></tr> <tr><td>C1</td><td>K92(-)</td><td>16</td><td>WH</td><td>1651843C1</td><td>N/A</td></tr> <tr><td>C2</td><td>K92(-)</td><td>16</td><td>GN</td><td>1651843C1</td><td>N/A</td></tr> <tr><td>C3</td><td>PLUG</td><td></td><td></td><td></td><td></td></tr> <tr><td>D1</td><td>K47R</td><td>16</td><td>GY</td><td>1651843C1</td><td>N/A</td></tr> <tr><td>D2</td><td>K47S</td><td>16</td><td>GY</td><td>1651843C1</td><td>N/A</td></tr> <tr><td>D3</td><td>K92-A</td><td>16</td><td>TN</td><td>1651843C1</td><td>N/A</td></tr> <tr><td>E1</td><td>PLUG</td><td></td><td></td><td></td><td></td></tr> <tr><td>E2</td><td>PLUG</td><td></td><td></td><td></td><td></td></tr> <tr><td>E3</td><td>K92EB</td><td>16</td><td>TN</td><td>1651843C1</td><td>N/A</td></tr> <tr><td>F1</td><td>PLUG</td><td></td><td></td><td></td><td></td></tr> <tr><td>F2</td><td>PLUG</td><td></td><td></td><td></td><td></td></tr> <tr><td>F3</td><td>K92EC</td><td>16</td><td>TN</td><td>1651843C1</td><td>N/A</td></tr> </table> CONNECTOR 2010376C1 PLUG 1667786C1				CAV	CIR	GAUGE	COLOR	TERM	SEAL	A1	K14AA	16	RD	1651843C1	N/A	A2	K3AA	16	DKBL	1651843C1	N/A	A3	K11-G	16	WH	1651843C1	N/A	B1	K13AA	16	PK	1651843C1	N/A	B2	K3AA	16	GY	1651843C1	N/A	B3	K11-G	16	WH	1651843C1	N/A	C1	K92(-)	16	WH	1651843C1	N/A	C2	K92(-)	16	GN	1651843C1	N/A	C3	PLUG					D1	K47R	16	GY	1651843C1	N/A	D2	K47S	16	GY	1651843C1	N/A	D3	K92-A	16	TN	1651843C1	N/A	E1	PLUG					E2	PLUG					E3	K92EB	16	TN	1651843C1	N/A	F1	PLUG					F2	PLUG					F3	K92EC	16	TN	1651843C1	N/A	<b>J1939 TRANS (7107)</b>  <table border="1" style="width: 100%; font-size: 0.7em;"> <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>K5D(+)</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>K5D(-)</td><td>18</td><td>GN</td><td>1661875C1</td><td>3568570C1</td></tr> </table> CONNECTOR - 1667741C1 LOCK - 1667771C1 PLUG - 2025431C1				CAV	CIR	GAUGE	COLOR	TERM	SEAL	A	K5D(+)	18	YL	1661875C1	3568570C1	B	PLUG					C	K5D(-)	18	GN	1661875C1	3568570C1
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CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
JKP	23SEP04	REMOVED 6550. ADDED 6900A AND 7107.	F	59169P	U00EDL2	42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS
					RELEASE NO.	DATE
					P52778H	31MAY00
					PART NO.	SHEET
					AE08-52376	41

Figure 243 Connector Composites (6703), (6704), (6708), (6900A), (7103), (7104), (7104A), (7105), (7106), (7107)

## 12.51. CONNECTOR COMPOSITES (7111), (7150), P. 42


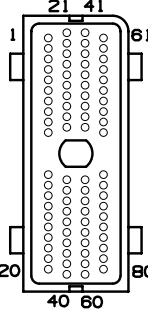
<b>INTERNATIONAL TRUCK AND ENGINE CORPORATION</b> <small>THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF INTERNATIONAL TRUCK AND ENGINE CORPORATION.</small>		<b>ELECTRICAL CIRCUIT DIAGRAM    CHAPTER 12</b> <b>CONNECTOR COMPOSITES - MATING VIEW SHOWN</b>																																																																																																																																																																																																																																																																																																																																																																																																																											
<p style="text-align: center;">MERITOR POWER (7111)</p> <div style="text-align: center;">  </div> <p style="text-align: center;">CONNECTOR - 1871810C1    LOCK - 1871808C1</p> <table border="1" style="margin: 10px auto; width: 80%; 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>A</td> <td>K13A</td> <td>18</td> <td>PK</td> <td>2033819C1</td> <td>1852325C1</td> </tr> <tr> <td>B</td> <td>K11-G</td> <td>18</td> <td>WH</td> <td>2033819C1</td> <td>1852325C1</td> </tr> </tbody> </table>		CAV	CIR	GAUGE	COLOR	TERM	SEAL	A	K13A	18	PK	2033819C1	1852325C1	B	K11-G	18	WH	2033819C1	1852325C1	<p>THIS SPACE INTENTIONALLY LEFT BLANK</p>																																																																																																																																																																																																																																																																																																																																																																																																									
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<p style="text-align: center;">4 GEN TRANSMISSION CONTROLLER CONNECTION (7150 WTEC)</p> <p style="text-align: center;">CONNECTOR - 3605713C1</p> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;">  </div> <div style="width: 60%;"> <table border="1" style="width: 100%; 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>1</td><td>92*101</td><td>18</td><td>LT BL</td><td>3608047C1</td></tr> <tr><td>2</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>3</td><td>92*103</td><td>18</td><td>YL</td><td>3608047C1</td></tr> <tr><td>4</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>5</td><td>92*105</td><td>18</td><td>OR</td><td>3608047C1</td></tr> <tr><td>6</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>7</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>8</td><td>5A108</td><td>18</td><td>GN</td><td>3608047C1</td></tr> <tr><td>9</td><td>92C109</td><td>18</td><td>GY</td><td>3608047C1</td></tr> <tr><td>10</td><td>92B110</td><td>18</td><td>PK</td><td>3608047C1</td></tr> <tr><td>11</td><td>92*111</td><td>18</td><td>OR</td><td>3608047C1</td></tr> <tr><td>12</td><td>92A112</td><td>18</td><td>PK</td><td>3608047C1</td></tr> <tr><td>13</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>14</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>15</td><td>92*115</td><td>18</td><td>WH</td><td>3608047C1</td></tr> <tr><td>16</td><td>92*116</td><td>18</td><td>LT BL</td><td>3608047C1</td></tr> <tr><td>17</td><td>92A117</td><td>18</td><td>LT BL</td><td>3608047C1</td></tr> <tr><td>18</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>19</td><td>92*119</td><td>18</td><td>LT BL</td><td>3608047C1</td></tr> <tr><td>20</td><td>92A120</td><td>18</td><td>LT BL</td><td>3608047C1</td></tr> <tr><td>21</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>22</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>23</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>24</td><td>92*124</td><td>18</td><td>WH</td><td>3608047C1</td></tr> <tr><td>25</td><td>47A125</td><td>18</td><td>TN</td><td>3608047C1</td></tr> <tr><td>26</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>27</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>28</td><td>5A128</td><td>18</td><td>YL</td><td>3608047C1</td></tr> <tr><td>29</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>30</td><td>92*130</td><td>18</td><td>WH</td><td>3608047C1</td></tr> <tr><td>31</td><td>92A131</td><td>18</td><td>YL</td><td>3608047C1</td></tr> <tr><td>32</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>33</td><td>92*133</td><td>18</td><td>YL</td><td>3608047C1</td></tr> <tr><td>34</td><td>92*134</td><td>18</td><td>YL</td><td>3608047C1</td></tr> <tr><td>35</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>36</td><td>92*136</td><td>18</td><td>OR</td><td>3608047C1</td></tr> <tr><td>37</td><td>92*137</td><td>18</td><td>WH</td><td>3608047C1</td></tr> <tr><td>38</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>39</td><td>48*139</td><td>18</td><td>OR</td><td>3608047C1</td></tr> <tr><td>40</td><td>47*140</td><td>18</td><td>LT GN</td><td>3608047C1</td></tr> </tbody> </table> <table border="1" style="width: 100%; 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Figure 244 Connector Composites (7111), (7150)

## 12.52. CONNECTOR COMPOSITE (7151), P. 42A

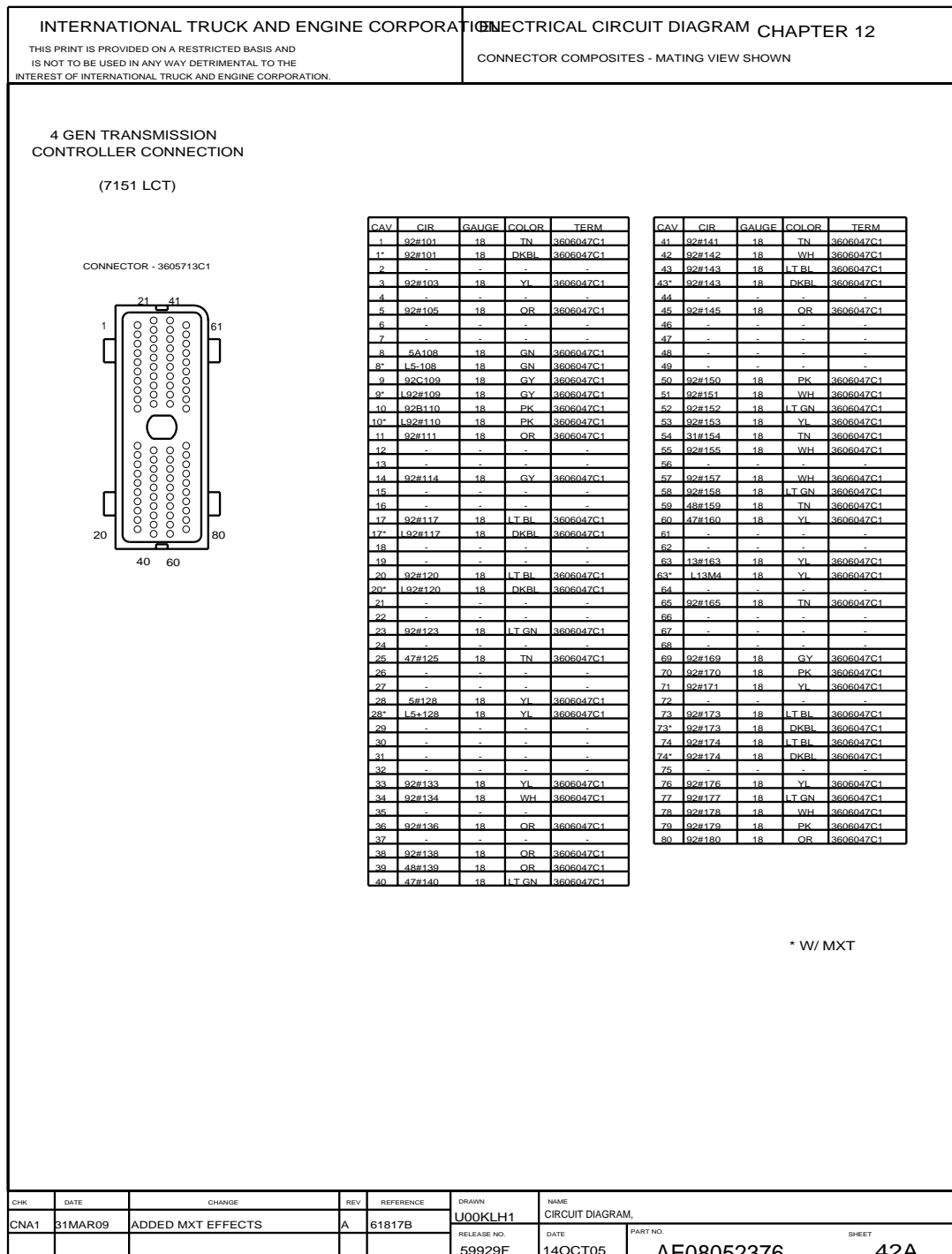
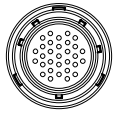
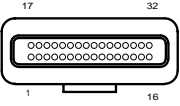
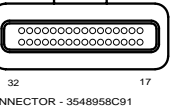


Figure 245 Connector Composite (7151)

## 12.53. CONNECTOR COMPOSITES (7200), (7202), (7203), P. 42B

INTERNATIONAL TRUCK AND ENGINE CORPORATION					ELECTRICAL CIRCUIT DIAGRAM CHAPTER 12																																																																																																																																																																																																																																																																																																																																																			
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>TRANSMISSION BULKHEAD CONNECTION (WTEC) (7200)</p>  <p>CONNECTOR - 3508926C1 PLUG - 3508928C1</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>L92#102</td><td>18</td><td>TN</td><td>3508927C1</td><td>N/A</td></tr> <tr><td>B</td><td>L92#103</td><td>18</td><td>TN</td><td>3508927C1</td><td>N/A</td></tr> <tr><td>C</td><td>L92#104</td><td>18</td><td>TN</td><td>3508927C1</td><td>N/A</td></tr> <tr><td>D</td><td>L92#124</td><td>18</td><td>TN</td><td>3508927C1</td><td>N/A</td></tr> <tr><td>E</td><td>L92#107</td><td>18</td><td>TN</td><td>3508927C1</td><td>N/A</td></tr> <tr><td>F</td><td>L92#110</td><td>18</td><td>TN</td><td>3508927C1</td><td>N/A</td></tr> <tr><td>G</td><td>L92#120</td><td>18</td><td>TN</td><td>3508927C1</td><td>N/A</td></tr> <tr><td>H</td><td>L92#121</td><td>18</td><td>TN</td><td>3508927C1</td><td>N/A</td></tr> <tr><td>J</td><td>L92#128</td><td>18</td><td>TN</td><td>3508927C1</td><td>N/A</td></tr> <tr><td>K</td><td>L92#129</td><td>18</td><td>TN</td><td>3508927C1</td><td>N/A</td></tr> <tr><td>L</td><td>L92#130</td><td>18</td><td>TN</td><td>3508927C1</td><td>N/A</td></tr> <tr><td>M</td><td>L92#131</td><td>18</td><td>TN</td><td>3508927C1</td><td>N/A</td></tr> <tr><td>N</td><td>L92B135</td><td>18</td><td>TN</td><td>3508927C1</td><td>N/A</td></tr> </tbody> </table>					CAV	CIR	GAUGE	COLOR	TERM	SEAL	A	L92#102	18	TN	3508927C1	N/A	B	L92#103	18	TN	3508927C1	N/A	C	L92#104	18	TN	3508927C1	N/A	D	L92#124	18	TN	3508927C1	N/A	E	L92#107	18	TN	3508927C1	N/A	F	L92#110	18	TN	3508927C1	N/A	G	L92#120	18	TN	3508927C1	N/A	H	L92#121	18	TN	3508927C1	N/A	J	L92#128	18	TN	3508927C1	N/A	K	L92#129	18	TN	3508927C1	N/A	L	L92#130	18	TN	3508927C1	N/A	M	L92#131	18	TN	3508927C1	N/A	N	L92B135	18	TN	3508927C1	N/A	<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>P</td><td>L31#147</td><td>18</td><td>TN</td><td>3508927C1</td><td>N/A</td></tr> <tr><td>U</td><td>L92A140</td><td>18</td><td>TN</td><td>3508927C1</td><td>N/A</td></tr> <tr><td>V</td><td>L92A149</td><td>18</td><td>TN</td><td>3508927C1</td><td>N/A</td></tr> <tr><td>W</td><td>L92#195</td><td>18</td><td>TN</td><td>3508927C1</td><td>N/A</td></tr> <tr><td>X</td><td>L92#162</td><td>18</td><td>TN</td><td>3508927C1</td><td>N/A</td></tr> <tr><td>Y</td><td>L92#165</td><td>18</td><td>TN</td><td>3508927C1</td><td>N/A</td></tr> <tr><td>a</td><td>PLUG</td><td></td><td></td><td></td><td></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>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> </tbody> </table>					CAV	CIR	GAUGE	COLOR	TERM	SEAL	P	L31#147	18	TN	3508927C1	N/A	U	L92A140	18	TN	3508927C1	N/A	V	L92A149	18	TN	3508927C1	N/A	W	L92#195	18	TN	3508927C1	N/A	X	L92#162	18	TN	3508927C1	N/A	Y	L92#165	18	TN	3508927C1	N/A	a	PLUG					b	PLUG					c	PLUG					d	PLUG					e	PLUG					f	PLUG					g	PLUG																																																																																																																																																																						
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**Figure 246 Connector Composites (7200), (7202), (7203)**

**12.54. CONNECTOR COMPOSITES (7204), (7205), (7206), (7208), (7211), (7212), (7213),  
P. 43**

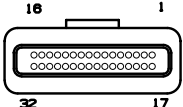





INTERNATIONAL TRUCK AND ENGINE CORPORATION				ELECTRICAL CIRCUIT DIAGRAM    CHAPTER 12																																																																																																																																																																																																																																																							
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>ECU "S" CONN BLACK (ALLISON WTEC) (7204)</p>  <p>CONNECTOR - 3549956C1 PLUG - 3518314C1</p> <table border="1" style="width: 100%; border-collapse: collapse; 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>1</td><td>L3-142</td><td>18</td><td>WH</td><td>3517243C1</td><td></td></tr> <tr><td>2</td><td>PLUG</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>3</td><td>L92-124</td><td>18</td><td>TN</td><td>3517243C1</td><td></td></tr> <tr><td>4</td><td>L92-146</td><td>18</td><td>TN</td><td>3517243C1</td><td></td></tr> <tr><td>5</td><td>L92-169</td><td>18</td><td>TN</td><td>3517243C1</td><td></td></tr> <tr><td>6</td><td>L92-170</td><td>18</td><td>TN</td><td>3517243C1</td><td></td></tr> <tr><td>7</td><td>L92-171</td><td>18</td><td>TN</td><td>3517243C1</td><td></td></tr> <tr><td>8</td><td>L92-172</td><td>18</td><td>TN</td><td>3517243C1</td><td></td></tr> <tr><td>9</td><td>L92-173</td><td>18</td><td>TN</td><td>3517243C1</td><td></td></tr> <tr><td>10</td><td>L92-174</td><td>18</td><td>TN</td><td>3517243C1</td><td></td></tr> <tr><td>11</td><td>L92-175</td><td>18</td><td>TN</td><td>3517243C1</td><td></td></tr> <tr><td>12</td><td>PLUG</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>13</td><td>L5A182</td><td>20</td><td>NONE</td><td>3517243C1</td><td></td></tr> <tr><td>14</td><td>L5A183</td><td>20</td><td>YL</td><td>3517243C1</td><td></td></tr> <tr><td>15</td><td>L92-180</td><td>18</td><td>TN</td><td>3517243C1</td><td></td></tr> <tr><td>16</td><td>L92-181</td><td>18</td><td>BN</td><td>3517243C1</td><td></td></tr> <tr><td>17</td><td>L92-182</td><td>18</td><td>TN</td><td>3517243C1</td><td></td></tr> <tr><td>18</td><td>PLUG</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>19</td><td>PLUG</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>20</td><td>PLUG</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>21</td><td>PLUG</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>22</td><td>PLUG</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>23</td><td>PLUG</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>24</td><td>PLUG</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>25</td><td>PLUG</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>26</td><td>L92-183</td><td>18</td><td>TN</td><td>3517243C1</td><td></td></tr> <tr><td>27</td><td>L92-184</td><td>18</td><td>TN</td><td>3517243C1</td><td></td></tr> <tr><td>28</td><td>PLUG</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>29</td><td>L5A184</td><td>20</td><td>GN</td><td>3517243C1</td><td></td></tr> <tr><td>30</td><td>L47A157</td><td>18</td><td>GY</td><td>3517243C1</td><td></td></tr> <tr><td>31</td><td>PLUG</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>32</td><td>L92-143</td><td>18</td><td>TN</td><td>3517243C1</td><td></td></tr> </tbody> </table>		CAV	CIR	GAUGE	COLOR	TERM	SEAL	1	L3-142	18	WH	3517243C1		2	PLUG	-	-	-	-	3	L92-124	18	TN	3517243C1		4	L92-146	18	TN	3517243C1		5	L92-169	18	TN	3517243C1		6	L92-170	18	TN	3517243C1		7	L92-171	18	TN	3517243C1		8	L92-172	18	TN	3517243C1		9	L92-173	18	TN	3517243C1		10	L92-174	18	TN	3517243C1		11	L92-175	18	TN	3517243C1		12	PLUG	-	-	-	-	13	L5A182	20	NONE	3517243C1		14	L5A183	20	YL	3517243C1		15	L92-180	18	TN	3517243C1		16	L92-181	18	BN	3517243C1		17	L92-182	18	TN	3517243C1		18	PLUG	-	-	-	-	19	PLUG	-	-	-	-	20	PLUG	-	-	-	-	21	PLUG	-	-	-	-	22	PLUG	-	-	-	-	23	PLUG	-	-	-	-	24	PLUG	-	-	-	-	25	PLUG	-	-	-	-	26	L92-183	18	TN	3517243C1		27	L92-184	18	TN	3517243C1		28	PLUG	-	-	-	-	29	L5A184	20	GN	3517243C1		30	L47A157	18	GY	3517243C1		31	PLUG	-	-	-	-	32	L92-143	18	TN	3517243C1		<p>VIW - A (VEHICLE INTERFACE WIRING) (7205)</p>  <p>CONNECTOR - 3525872C1 PLUG - 2025431C1 LOCK - 3525873C1</p> <table border="1" style="width: 100%; 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<p>J1939 TRANS (7208)</p>  <p>CONNECTOR - 1667741C1 LOCK - 1667710C1 PLUG - 2025431C1</p> <table border="1" style="width: 100%; border-collapse: collapse; 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>L5C183</td><td>18</td><td>YL</td><td>1661875C1</td><td>3568570C1</td></tr> <tr><td>A</td><td>L5D1-1</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>L5C184</td><td>18</td><td>GN</td><td>1661875C1</td><td>3568570C1</td></tr> <tr><td>C</td><td>L5D1-1</td><td>18</td><td>GN</td><td>1661875C1</td><td>3568570C1</td></tr> </tbody> </table>		CAV	CIR	GAUGE	COLOR	TERM	SEAL	A	L5C183	18	YL	1661875C1	3568570C1	A	L5D1-1	18	YL	1661875C1	3568570C1	B	PLUG	-	-	-	-	C	L5C184	18	GN	1661875C1	3568570C1	C	L5D1-1	18	GN	1661875C1	3568570C1	<p>RETARDER TEMP SENDER (7211)</p>  <p>CONNECTOR - 3524377C1 PLUG - 1667766C1</p> <table border="1" style="width: 100%; border-collapse: collapse; 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>L92-138</td><td>18</td><td>TN</td><td>2036586C1</td></tr> <tr><td>B</td><td>L92C135</td><td>18</td><td>TN</td><td>2036586C1</td></tr> </tbody> </table>				CAV	CIR	GAUGE	COLOR	TERM	A	L92-138	18	TN	2036586C1	B	L92C135	18	TN	2036586C1																																																																																																																																																																																																			
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<p>RETARDER ACCUMULATOR SOLENOID (7212)</p>  <p>CONNECTOR - 3524378C1 PLUG - 1667766C1</p> <table border="1" style="width: 100%; border-collapse: collapse; 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>L92-101</td><td>18</td><td>TN</td><td>2036586C1</td></tr> <tr><td>B</td><td>L92N116</td><td>18</td><td>TN</td><td>2036586C1</td></tr> </tbody> </table>		CAV	CIR	GAUGE	COLOR	TERM	A	L92-101	18	TN	2036586C1	B	L92N116	18	TN	2036586C1	<p>RETARDER SOLENOID (7213)</p>  <p>CONNECTOR - 2036584C1 PLUG - 1667766C1</p> <table border="1" style="width: 100%; border-collapse: collapse; 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>L92-127</td><td>18</td><td>TN</td><td>2036586C1</td></tr> <tr><td>B</td><td>L92C116</td><td>18</td><td>TN</td><td>2036586C1</td></tr> </tbody> </table>				CAV	CIR	GAUGE	COLOR	TERM	A	L92-127	18	TN	2036586C1	B	L92C116	18	TN	2036586C1																																																																																																																																																																																																																								
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Figure 247 Connector Composites (7204), (7205), (7206), (7208), (7211), (7212), (7213)

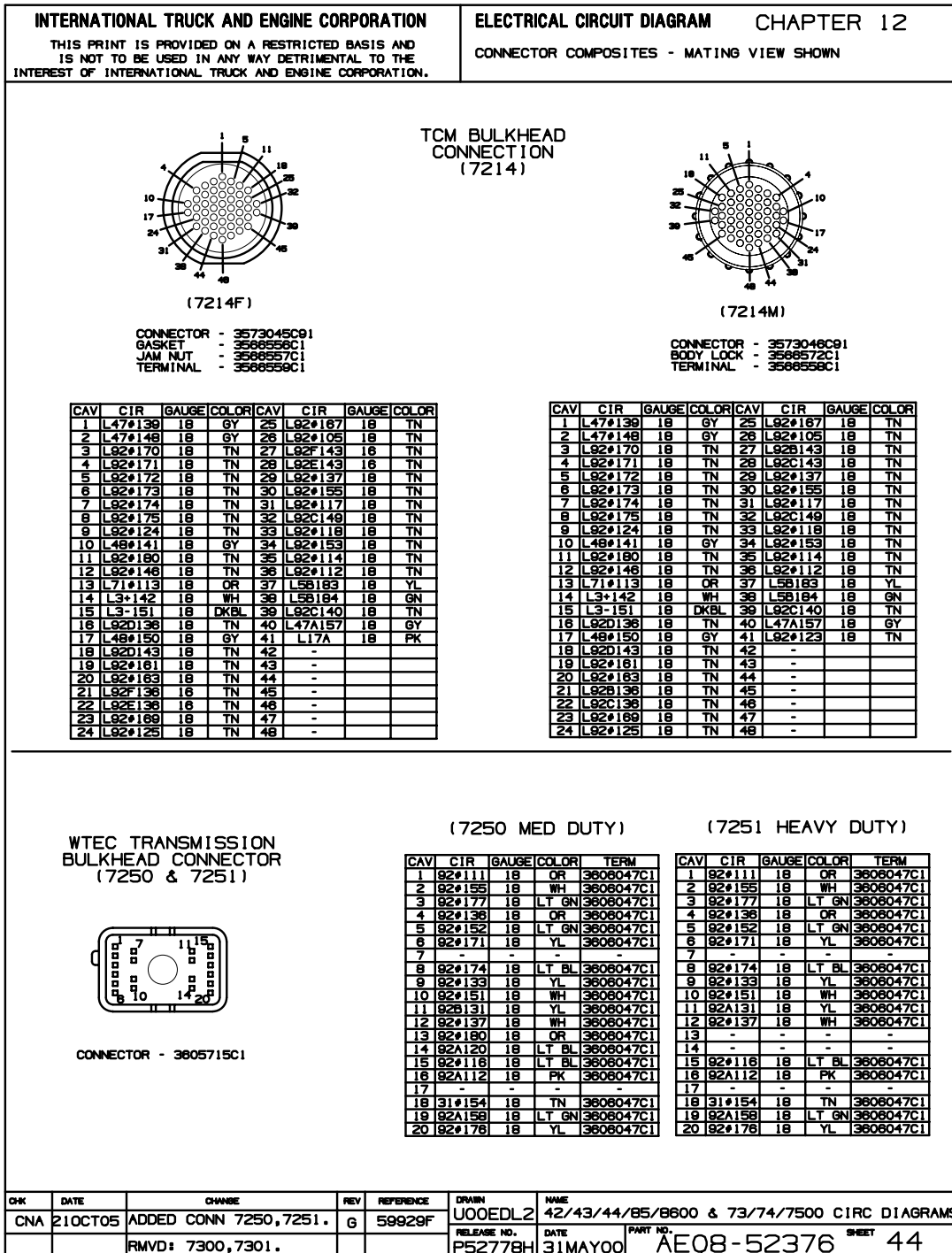

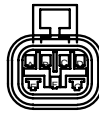
**12.55. CONNECTOR COMPOSITES (7214), (7250), (7251), P. 44**

Figure 248 Connector Composites (7214), (7250), (7251)

**3200, 4100, 4200, 4300, 4400, 7300, 7400, 7500, 7600, 7700, 8500, 8600, MXT, RXT**  
**Models Built Oct. 1, 2005 to Feb. 28, 2007 — ELECTRICAL CIRCUIT DIAGRAMS**

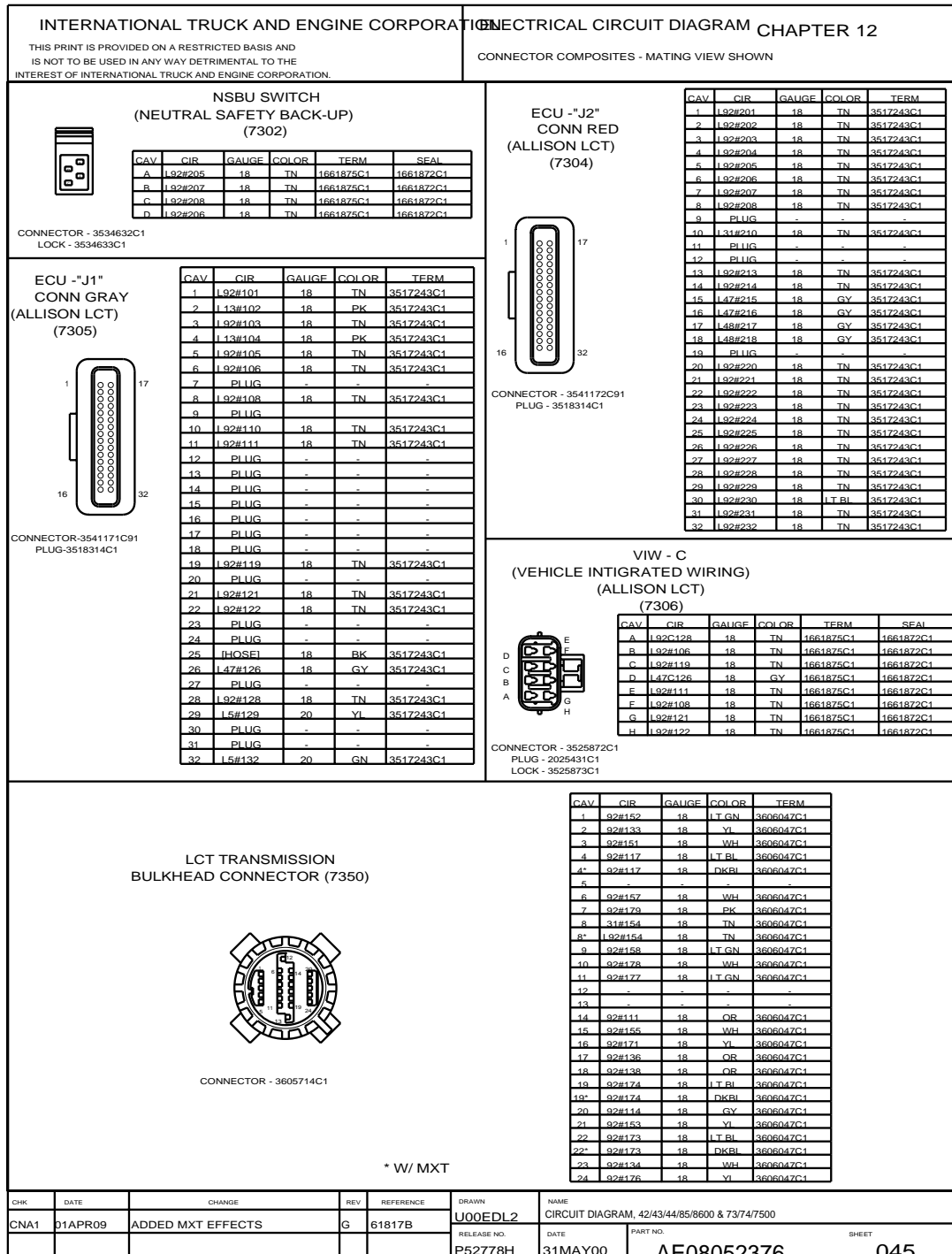
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## 12.56. CONNECTOR COMPOSITES (7300), (7301), P. 44A

INTERNATIONAL TRUCK AND ENGINE CORPORATION					ELECTRICAL CIRCUIT DIAGRAM CHAPTER 12																																																																																																																																																													
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 style="text-align: center;"><b>TRANSMISSION BULKHEAD (LCT) (7300)</b></p>  <p style="text-align: center;">CONNECTOR - 3522537C91 PLUG - 3518314C1 LOCK - 3518287C1</p> <table border="1" style="width: 100%; border-collapse: collapse; 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>L92#226</td><td>18</td><td>TN</td><td>3517243C1</td></tr> <tr><td>B</td><td>L92#227</td><td>18</td><td>TN</td><td>3517243C1</td></tr> <tr><td>C</td><td>L92#231</td><td>18</td><td>TN</td><td>3517243C1</td></tr> <tr><td>D</td><td>L92#201</td><td>18</td><td>TN</td><td>3517243C1</td></tr> <tr><td>E</td><td>L92#203</td><td>18</td><td>TN</td><td>3517243C1</td></tr> <tr><td>F</td><td>L92#202</td><td>18</td><td>TN</td><td>3517243C1</td></tr> <tr><td>G</td><td>L31#210</td><td>18</td><td>TN</td><td>3517243C1</td></tr> <tr><td>H</td><td>L92A220</td><td>18</td><td>TN</td><td>3517243C1</td></tr> <tr><td>I</td><td>L92#229</td><td>18</td><td>TN</td><td>3517243C1</td></tr> <tr><td>K</td><td>L92#204</td><td>18</td><td>TN</td><td>3517243C1</td></tr> <tr><td>L</td><td>L92#222</td><td>18</td><td>TN</td><td>3517243C1</td></tr> <tr><td>M</td><td>L92#223</td><td>18</td><td>TN</td><td>3517243C1</td></tr> <tr><td>N</td><td>L92#224</td><td>18</td><td>TN</td><td>3517243C1</td></tr> <tr><td>P</td><td>L92#225</td><td>18</td><td>TN</td><td>3517243C1</td></tr> <tr><td>R</td><td>L92#230</td><td>18</td><td>I.T.BI</td><td>3517243C1</td></tr> <tr><td>S</td><td>L92#232</td><td>18</td><td>TN</td><td>3517243C1</td></tr> <tr><td>T</td><td>L92#221</td><td>18</td><td>TN</td><td>3517243C1</td></tr> <tr><td>U</td><td>PLUG</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>V</td><td>PLUG</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>W</td><td>L92#228</td><td>18</td><td>TN</td><td>3517243C1</td></tr> </tbody> </table>					CAV	CIR	Gauge	COLOR	TERM	A	L92#226	18	TN	3517243C1	B	L92#227	18	TN	3517243C1	C	L92#231	18	TN	3517243C1	D	L92#201	18	TN	3517243C1	E	L92#203	18	TN	3517243C1	F	L92#202	18	TN	3517243C1	G	L31#210	18	TN	3517243C1	H	L92A220	18	TN	3517243C1	I	L92#229	18	TN	3517243C1	K	L92#204	18	TN	3517243C1	L	L92#222	18	TN	3517243C1	M	L92#223	18	TN	3517243C1	N	L92#224	18	TN	3517243C1	P	L92#225	18	TN	3517243C1	R	L92#230	18	I.T.BI	3517243C1	S	L92#232	18	TN	3517243C1	T	L92#221	18	TN	3517243C1	U	PLUG	-	-	-	V	PLUG	-	-	-	W	L92#228	18	TN	3517243C1	<p style="text-align: center;"><b>NSBU SWITCH VEHICLE (NEUTRAL SAFETY BACK-UP) (7301)</b></p>  <p style="text-align: center;">CONNECTOR - 3534635C1 PLUG - 2025431C1 LOCK - 3534634C1</p> <table border="1" style="width: 100%; border-collapse: collapse; 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>PLUG</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>B</td><td>PLUG</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>C</td><td>L71</td><td>16</td><td>OR</td><td>1661875C1</td><td>1661872C1</td></tr> <tr><td>D</td><td>L92B220</td><td>18</td><td>TN</td><td>1661875C1</td><td>1661872C1</td></tr> <tr><td>E</td><td>L13M3</td><td>18</td><td>PK</td><td>2033818C1</td><td>1662325C1</td></tr> <tr><td>F</td><td>L71A</td><td>16</td><td>OR</td><td>1661875C1</td><td>1661872C1</td></tr> <tr><td>G</td><td>L17E</td><td>18</td><td>PK</td><td>2033818C1</td><td>3517771C1</td></tr> </tbody> </table>					CAV	CIR	Gauge	COLOR	TERM	SEAL	A	PLUG	-	-	-	-	B	PLUG	-	-	-	-	C	L71	16	OR	1661875C1	1661872C1	D	L92B220	18	TN	1661875C1	1661872C1	E	L13M3	18	PK	2033818C1	1662325C1	F	L71A	16	OR	1661875C1	1661872C1	G	L17E	18	PK	2033818C1	3517771C1
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CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME																																																																																																																																																												
					U00KLH1	42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS																																																																																																																																																												
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					59929F	13OCT05	AE08-52376	44A																																																																																																																																																										

**Figure 249 Connector Composites (7300), (7301)**

## 12.57. CONNECTOR COMPOSITES (7302), (7304), (7305), (7306), (7350), P. 45







**Figure 250 Connector Composites (7302), (7304), (7305), (7306), (7350)**



**3200, 4100, 4200, 4300, 4400, 7300, 7400, 7500, 7600, 7700, 8500, 8600, MXT, RXT  
Models Built Oct. 1, 2005 to Feb. 28, 2007 — ELECTRICAL CIRCUIT DIAGRAMS**




















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**12.58. CONNECTOR COMPOSITES (7500), (7502), (7503), (7600), (7601), P. 45A**

INTERNATIONAL TRUCK AND ENGINE CORPORATION					ELECTRICAL CIRCUIT DIAGRAM CHAPTER 12																																																				
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 style="text-align: center;"><b>BACK-UP LIGHT SWITCH (7500)</b></p>  <table border="1" style="margin-left: auto; margin-right: auto; font-size: 0.7em;"> <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>L71B</td> <td>16</td> <td>OR</td> <td>1661875C1</td> <td>1661872C1</td> </tr> <tr> <td>A</td> <td>K71D</td> <td>16</td> <td>OR</td> <td>1661875C1</td> <td>1661872C1</td> </tr> <tr> <td>B</td> <td>L71C</td> <td>16</td> <td>OR</td> <td>1661875C1</td> <td>1661872C1</td> </tr> <tr> <td>B</td> <td>L71E</td> <td>16</td> <td>OR</td> <td>1661875C1</td> <td>1661872C1</td> </tr> </tbody> </table> <p style="font-size: 0.7em;">CONNECTOR - 1661778C1 PLUG - 1687789C1 LOCK - 1661874C1</p>					CAV	CIR	GAUGE	COLOR	TERM	SEAL	A	L71B	16	OR	1661875C1	1661872C1	A	K71D	16	OR	1661875C1	1661872C1	B	L71C	16	OR	1661875C1	1661872C1	B	L71E	16	OR	1661875C1	1661872C1	<p style="text-align: center;"><b>BACK-UP LIGHT (7502)</b></p>  <table border="1" style="margin-left: auto; margin-right: auto; font-size: 0.7em;"> <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>L71</td> <td>16</td> <td>OR</td> <td>1661875C1</td> <td>1661872C1</td> </tr> <tr> <td>B</td> <td>L71A</td> <td>16</td> <td>OR</td> <td>1661875C1</td> <td>1661872C1</td> </tr> </tbody> </table> <p style="font-size: 0.7em;">CONNECTOR - 1661778C1 PLUG - 1687789C1 LOCK - 1661874C1</p>					CAV	CIR	GAUGE	COLOR	TERM	SEAL	A	L71	16	OR	1661875C1	1661872C1	B	L71A	16	OR	1661875C1	1661872C1
CAV	CIR	GAUGE	COLOR	TERM	SEAL																																																				
A	L71B	16	OR	1661875C1	1661872C1																																																				
A	K71D	16	OR	1661875C1	1661872C1																																																				
B	L71C	16	OR	1661875C1	1661872C1																																																				
B	L71E	16	OR	1661875C1	1661872C1																																																				
CAV	CIR	GAUGE	COLOR	TERM	SEAL																																																				
A	L71	16	OR	1661875C1	1661872C1																																																				
B	L71A	16	OR	1661875C1	1661872C1																																																				
<p style="text-align: center;"><b>BACK-UP LIGHT SWITCH (7503)</b></p>  <table border="1" style="margin-left: auto; margin-right: auto; font-size: 0.7em;"> <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>K71D</td> <td>16</td> <td>OR</td> <td>1661875C1</td> <td>1661872C1</td> </tr> <tr> <td>B</td> <td>K71E</td> <td>16</td> <td>OR</td> <td>1661875C1</td> <td>1661872C1</td> </tr> </tbody> </table> <p style="font-size: 0.7em;">CONNECTOR - 1661778C1 PLUG - 1687789C1 LOCK - 1661874C1</p>					CAV	CIR	GAUGE	COLOR	TERM	SEAL	A	K71D	16	OR	1661875C1	1661872C1	B	K71E	16	OR	1661875C1	1661872C1	<p>THIS SPACE INTENTIONALLY LEFT BLANK</p>																																		
CAV	CIR	GAUGE	COLOR	TERM	SEAL																																																				
A	K71D	16	OR	1661875C1	1661872C1																																																				
B	K71E	16	OR	1661875C1	1661872C1																																																				
<p style="text-align: center;"><b>OUTPUT SPEED SENSOR (7600)</b></p>  <table border="1" style="margin-left: auto; margin-right: auto; font-size: 0.7em;"> <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>L47#215</td> <td>18</td> <td>GY</td> <td>2036586C1</td> </tr> <tr> <td>B</td> <td>L47#216</td> <td>18</td> <td>GY</td> <td>2036586C1</td> </tr> </tbody> </table> <p style="font-size: 0.7em;">CONNECTOR - 2036583C1</p>					CAV	CIR	GAUGE	COLOR	TERM	A	L47#215	18	GY	2036586C1	B	L47#216	18	GY	2036586C1	<p style="text-align: center;"><b>SPEEDO SENSOR (7601)</b></p>  <table border="1" style="margin-left: auto; margin-right: auto; font-size: 0.7em;"> <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>K47</td> <td>18</td> <td>GY</td> <td>2036586C1</td> </tr> <tr> <td>B</td> <td>K47A</td> <td>18</td> <td>GY</td> <td>2036586C1</td> </tr> </tbody> </table> <p style="font-size: 0.7em;">CONNECTOR - 2036583C1</p>					CAV	CIR	GAUGE	COLOR	TERM	A	K47	18	GY	2036586C1	B	K47A	18	GY	2036586C1																		
CAV	CIR	GAUGE	COLOR	TERM																																																					
A	L47#215	18	GY	2036586C1																																																					
B	L47#216	18	GY	2036586C1																																																					
CAV	CIR	GAUGE	COLOR	TERM																																																					
A	K47	18	GY	2036586C1																																																					
B	K47A	18	GY	2036586C1																																																					
<p>THIS SPACE INTENTIONALLY LEFT BLANK</p>																																																									
CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME																																																			
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					RELEASE NO.	DATE	PART NO.	SHEET																																																	
					59929F	13OCT05	AE08-52376	45A																																																	

**Figure 251 Connector Composites (7500), (7502), (7503), (7600), (7601)**

# 12.59. CONNECTOR COMPOSITES (7600M), (7603), (7604), (7604M), (7605), (7606), (7607), (7607M), (7608), (7609), (7610), (7611), (7612), (7613), (7615), (7700), (7702), (7703), (7703A), P. 46

INTERNATIONAL TRUCK AND ENGINE CORPORATION					ELECTRICAL CIRCUIT DIAGRAM CHAPTER 12																																											
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<div>ENGINE SPEED SENSOR (7603)</div> <div></div> <table><tr><th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>TERM</th></tr><tr><td>A</td><td>L48#141</td><td>18</td><td>GY</td><td>2036586C1</td></tr><tr><td>B</td><td>L48#150</td><td>18</td><td>GY</td><td>2036586C1</td></tr></table> <div>CONNECTOR - 2036583C1</div>					CAV	CIR	GAUGE	COLOR	TERM	A	L48#141	18	GY	2036586C1	B	L48#150	18	GY	2036586C1	<div>ENGINE SPEED SENSOR(7604)</div> <div></div> <table><tr><th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>TERM</th></tr><tr><td>A</td><td>L48#217</td><td>18</td><td>GY</td><td>2036586C1</td></tr><tr><td>B</td><td>L48#218</td><td>18</td><td>GY</td><td>2036586C1</td></tr></table> <div>CONNECTOR - 2036583C1</div>					CAV	CIR	GAUGE	COLOR	TERM	A	L48#217	18	GY	2036586C1	B	L48#218	18	GY	2036586C1									
CAV	CIR	GAUGE	COLOR	TERM																																												
A	L48#141	18	GY	2036586C1																																												
B	L48#150	18	GY	2036586C1																																												
CAV	CIR	GAUGE	COLOR	TERM																																												
A	L48#217	18	GY	2036586C1																																												
B	L48#218	18	GY	2036586C1																																												
<div>OUTPUT SPEED SENSOR (7605)</div> <div></div> <table><tr><th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>TERM</th></tr><tr><td>A</td><td>L47#139</td><td>18</td><td>GY</td><td>2036586C1</td></tr><tr><td>B</td><td>L47#148</td><td>18</td><td>GY</td><td>2036586C1</td></tr></table> <div>CONNECTOR - 2036583C1</div>					CAV	CIR	GAUGE	COLOR	TERM	A	L47#139	18	GY	2036586C1	B	L47#148	18	GY	2036586C1	<div>TRANSMISSION SPEEDO (7606)</div> <div></div> <table><tr><th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>TERM</th></tr><tr><td>A</td><td>L47#139</td><td>18</td><td>GY</td><td>2036586C1</td></tr><tr><td>B</td><td>L47#148</td><td>18</td><td>GY</td><td>2036586C1</td></tr></table> <div>CONNECTOR - 2036583C1</div>					CAV	CIR	GAUGE	COLOR	TERM	A	L47#139	18	GY	2036586C1	B	L47#148	18	GY	2036586C1									
CAV	CIR	GAUGE	COLOR	TERM																																												
A	L47#139	18	GY	2036586C1																																												
B	L47#148	18	GY	2036586C1																																												
CAV	CIR	GAUGE	COLOR	TERM																																												
A	L47#139	18	GY	2036586C1																																												
B	L47#148	18	GY	2036586C1																																												
<div>TRANSMISSION SPEEDO (7607)</div> <div></div> <table><tr><th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>TERM</th></tr><tr><td>A</td><td>L92#213</td><td>18</td><td>TN</td><td>2036586C1</td></tr><tr><td>B</td><td>L92#214</td><td>18</td><td>TN</td><td>2036586C1</td></tr></table> <div>CONNECTOR - 2036583C1</div>					CAV	CIR	GAUGE	COLOR	TERM	A	L92#213	18	TN	2036586C1	B	L92#214	18	TN	2036586C1	<div>TRANSFER CASE SPEEDO (7608)</div> <div></div> <table><tr><th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>TERM</th></tr><tr><td>A</td><td>L47N</td><td>16</td><td>GY</td><td>2036586C1</td></tr><tr><td>B</td><td>L47P</td><td>16</td><td>GY</td><td>2036586C1</td></tr></table> <div>CONNECTOR - 2036583C1</div>					CAV	CIR	GAUGE	COLOR	TERM	A	L47N	16	GY	2036586C1	B	L47P	16	GY	2036586C1									
CAV	CIR	GAUGE	COLOR	TERM																																												
A	L92#213	18	TN	2036586C1																																												
B	L92#214	18	TN	2036586C1																																												
CAV	CIR	GAUGE	COLOR	TERM																																												
A	L47N	16	GY	2036586C1																																												
B	L47P	16	GY	2036586C1																																												
<div>SPEED SENSOR (7609)</div> <div></div> <table><tr><th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>TERM</th></tr><tr><td>A</td><td>L47</td><td>18</td><td>GY</td><td>2036586C1</td></tr><tr><td>B</td><td>L47A</td><td>18</td><td>GY</td><td>2036586C1</td></tr></table> <div>CONNECTOR - 2036583C1</div>					CAV	CIR	GAUGE	COLOR	TERM	A	L47	18	GY	2036586C1	B	L47A	18	GY	2036586C1	<div>TRANSFER CASE TO TRANSMISSION (7610)</div> <div>(USED ONLY WHEN TRANSFER CASE AND ALLISON WTEC ARE PRESENT)</div> <div></div> <div>CONNECTOR - 1667740C1 PLUG - 2025431C1 LOCK - 1667771C1</div> <div>MATING CONNECTOR IS FEMALE SIDE OF CONNECTOR 7800.</div> <table><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>PLUG</td><td>-</td><td>-</td><td>-</td><td>-</td></tr><tr><td>B</td><td>PLUG</td><td>-</td><td>-</td><td>-</td><td>-</td></tr><tr><td>C</td><td>L92DJ</td><td>16</td><td>TN</td><td>1667742C1</td><td>1661872C1</td></tr></table>					CAV	CIR	GAUGE	COLOR	TERM	SEAL	A	PLUG	-	-	-	-	B	PLUG	-	-	-	-	C	L92DJ	16	TN	1667742C1	1661872C1
CAV	CIR	GAUGE	COLOR	TERM																																												
A	L47	18	GY	2036586C1																																												
B	L47A	18	GY	2036586C1																																												
CAV	CIR	GAUGE	COLOR	TERM	SEAL																																											
A	PLUG	-	-	-	-																																											
B	PLUG	-	-	-	-																																											
C	L92DJ	16	TN	1667742C1	1661872C1																																											
<div>TRANSFER CASE SPEEDO (7611)</div> <div></div> <table><tr><th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>TERM</th></tr><tr><td>A</td><td>L47I</td><td>16</td><td>GY</td><td>2036586C1</td></tr><tr><td>B</td><td>L47M</td><td>16</td><td>GY</td><td>2036586C1</td></tr></table> <div>CONNECTOR - 2036583C1</div>					CAV	CIR	GAUGE	COLOR	TERM	A	L47I	16	GY	2036586C1	B	L47M	16	GY	2036586C1	<div>TRUCK SPEED SENSOR (7613)</div> <div></div> <table><tr><th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>TERM</th></tr><tr><td>A</td><td>K47</td><td>18</td><td>GY</td><td>2036586C1</td></tr><tr><td>B</td><td>K47A</td><td>18</td><td>GY</td><td>2036586C1</td></tr></table> <div>CONNECTOR - 2036583C1</div>					CAV	CIR	GAUGE	COLOR	TERM	A	K47	18	GY	2036586C1	B	K47A	18	GY	2036586C1									
CAV	CIR	GAUGE	COLOR	TERM																																												
A	L47I	16	GY	2036586C1																																												
B	L47M	16	GY	2036586C1																																												
CAV	CIR	GAUGE	COLOR	TERM																																												
A	K47	18	GY	2036586C1																																												
B	K47A	18	GY	2036586C1																																												
<div>EATON SPEEDO SENSOR (7612)</div> <div></div> <table><tr><th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>TERM</th></tr><tr><td>A</td><td>K47R</td><td>16</td><td>GY</td><td>2036586C1</td></tr><tr><td>B</td><td>K47S</td><td>16</td><td>GY</td><td>2036586C1</td></tr></table> <div>CONNECTOR - 2036583C1</div>					CAV	CIR	GAUGE	COLOR	TERM	A	K47R	16	GY	2036586C1	B	K47S	16	GY	2036586C1	<div>TRANSMISSION OIL TEMP SENSOR (7700)</div> <div></div> <table><tr><th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>TERM</th><th>SEAL</th></tr><tr><td>1</td><td>K31B</td><td>18</td><td>TN</td><td>3536865C1</td><td>3536866C1</td></tr><tr><td>2</td><td>K31GC1</td><td>18</td><td>TN</td><td>3536865C1</td><td>3536866C1</td></tr></table> <div>CONNECTOR - 3536864C1</div>					CAV	CIR	GAUGE	COLOR	TERM	SEAL	1	K31B	18	TN	3536865C1	3536866C1	2	K31GC1	18	TN	3536865C1	3536866C1						
CAV	CIR	GAUGE	COLOR	TERM																																												
A	K47R	16	GY	2036586C1																																												
B	K47S	16	GY	2036586C1																																												
CAV	CIR	GAUGE	COLOR	TERM	SEAL																																											
1	K31B	18	TN	3536865C1	3536866C1																																											
2	K31GC1	18	TN	3536865C1	3536866C1																																											
<div>TURBINE SPEED SENSOR (7615)</div> <div></div> <table><tr><th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>TERM</th></tr><tr><td>A</td><td>L92C149</td><td>18</td><td>TN</td><td>1651943C1</td></tr><tr><td>B</td><td>L92C140</td><td>18</td><td>TN</td><td>1651943C1</td></tr></table> <div>CONNECTOR - 2002712C1</div>					CAV	CIR	GAUGE	COLOR	TERM	A	L92C149	18	TN	1651943C1	B	L92C140	18	TN	1651943C1	<div>XMSN OIL TEMP SENSOR (7703)</div> <div></div> <table><tr><th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>TERM</th><th>SEAL</th></tr><tr><td>1</td><td>K31E</td><td>16</td><td>TN</td><td>3536865C1</td><td>3536866C1</td></tr><tr><td>2</td><td>K31-GE</td><td>16</td><td>TN</td><td>3536865C1</td><td>3536866C1</td></tr></table> <div>CONNECTOR - 3536864C1</div>					CAV	CIR	GAUGE	COLOR	TERM	SEAL	1	K31E	16	TN	3536865C1	3536866C1	2	K31-GE	16	TN	3536865C1	3536866C1						
CAV	CIR	GAUGE	COLOR	TERM																																												
A	L92C149	18	TN	1651943C1																																												
B	L92C140	18	TN	1651943C1																																												
CAV	CIR	GAUGE	COLOR	TERM	SEAL																																											
1	K31E	16	TN	3536865C1	3536866C1																																											
2	K31-GE	16	TN	3536865C1	3536866C1																																											
<div>TURBINE SPEED SENSOR (7615)</div> <div></div> <table><tr><th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>TERM</th></tr><tr><td>A</td><td>MR92C149</td><td>18</td><td>TN</td><td>2036586C1</td></tr><tr><td>B</td><td>MR92C140</td><td>18</td><td>TN</td><td>2036586C1</td></tr></table> <div>CONNECTOR - 2036583C1</div>					CAV	CIR	GAUGE	COLOR	TERM	A	MR92C149	18	TN	2036586C1	B	MR92C140	18	TN	2036586C1	<div>XMSN OIL TEMP SENDER (7703A)</div> <div></div> <table><tr><th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>TERM</th><th>SEAL</th></tr><tr><td>1</td><td>K31D</td><td>16</td><td>TN</td><td>3536865C1</td><td>3536866C1</td></tr><tr><td>2</td><td>K31-GD</td><td>16</td><td>TN</td><td>3536865C1</td><td>3536866C1</td></tr></table> <div>CONNECTOR - 3536864C1</div>					CAV	CIR	GAUGE	COLOR	TERM	SEAL	1	K31D	16	TN	3536865C1	3536866C1	2	K31-GD	16	TN	3536865C1	3536866C1						
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<div>TURBINE SPEED SENSOR (7607M)</div> <div></div> <table><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>L92#180</td><td>18</td><td>OR</td><td>3535305C1</td><td>3554321C1</td></tr><tr><td>B</td><td>L92#120</td><td>18</td><td>DKBL</td><td>3535305C1</td><td>3554321C1</td></tr></table> <div>CONNECTOR - 3610533C1 BODY LOCK - 3610532C1 PLUG - 3554321C1</div> <div>W/ MXT</div>					CAV	CIR	GAUGE	COLOR	TERM	SEAL	A	L92#180	18	OR	3535305C1	3554321C1	B	L92#120	18	DKBL	3535305C1	3554321C1	<div>ENGINE SPEED SENSOR(7604M)</div> <div></div> <table><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>L48#217</td><td>18</td><td>GY</td><td>3535305C1</td><td>3554321C1</td></tr><tr><td>B</td><td>L48#218</td><td>18</td><td>GY</td><td>3535305C1</td><td>3554321C1</td></tr></table> <div>CONNECTOR - 3610533C1 BODY LOCK - 3610532C1 PLUG - 3554321C1</div> <div>W/ MXT</div>					CAV	CIR	GAUGE	COLOR	TERM	SEAL	A	L48#217	18	GY	3535305C1	3554321C1	B	L48#218	18	GY	3535305C1	3554321C1			
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<div>OUTPUT SPEED SENSOR (7600M)</div> <div></div> <table><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>L47#160</td><td>18</td><td>YL</td><td>3535305C1</td><td>3554321C1</td></tr><tr><td>B</td><td>L47#140</td><td>18</td><td>LTGN</td><td>3535305C1</td><td>3554321C1</td></tr></table> <div>CONNECTOR - 3610533C1 BODY LOCK - 3610532C1 PLUG - 3554321C1</div> <div>W/ MXT</div>					CAV	CIR	GAUGE	COLOR	TERM	SEAL	A	L47#160	18	YL	3535305C1	3554321C1	B	L47#140	18	LTGN	3535305C1	3554321C1																										
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CNA1	01APR09	ADDED MXT EFFECTS	F	61817B	U00EDL2	CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500																																										
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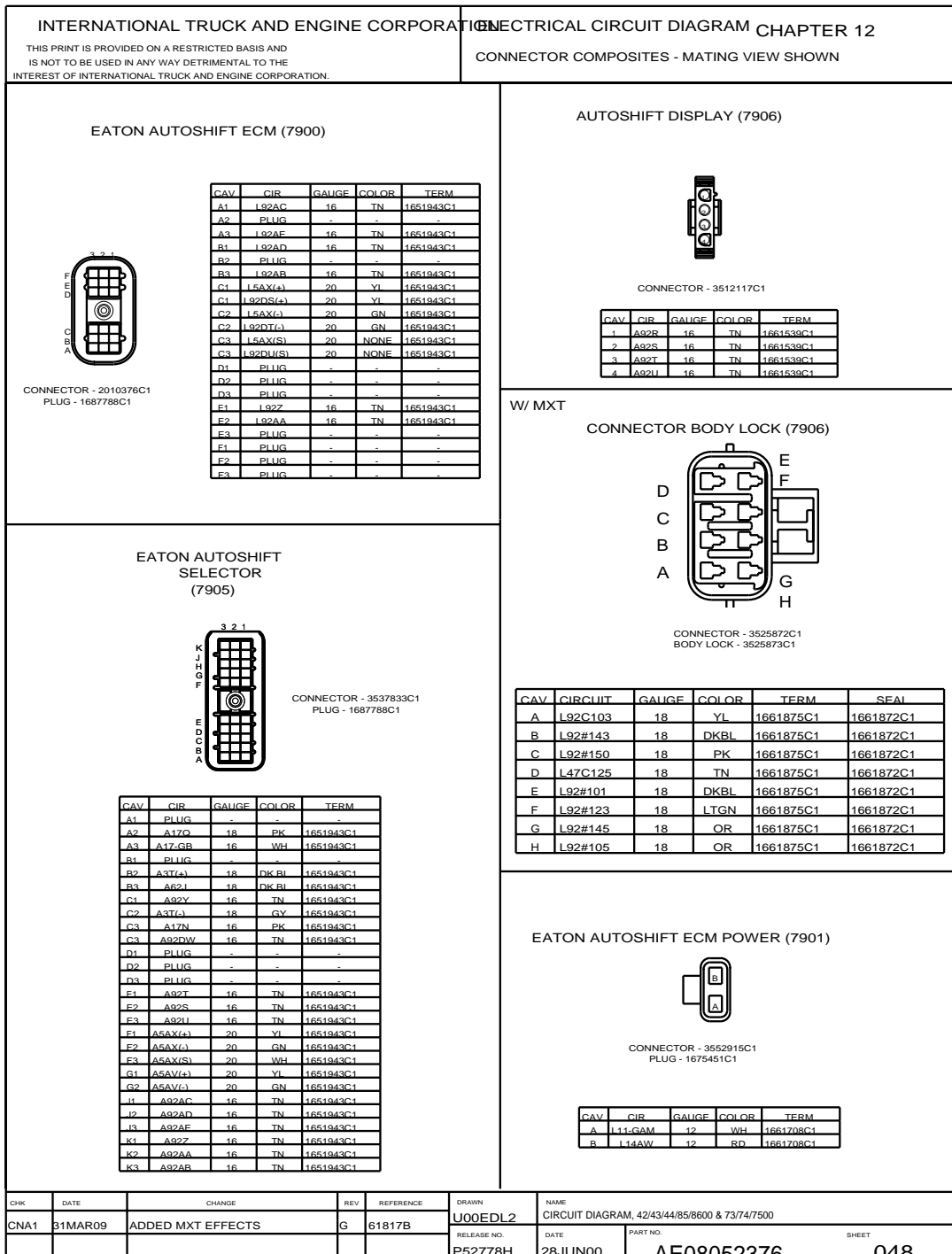
**Figure 252 Connector Composites (7600M), (7603), (7604), (7604M), (7605), (7606), (7607), (7607M), (7608), (7609), (7610), (7611), (7612), (7613), (7615), (7700), (7702), (7703), (7703A)**

## 12.60. CONNECTOR COMPOSITES (7800), (7801M), (7801R), (7803), (7899), P. 47

INTERNATIONAL TRUCK AND ENGINE CORPORATION				ELECTRICAL CIRCUIT DIAGRAM CHAPTER 12																																																																																																																																																																																																																																																			
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																																																																																																																																																																																																																																																			
<div style="margin-left: 10px;"> <p>CONNECTOR - 1667740C1 PLUG - 2025431C1 LOCK - 1667771C1</p> <p style="text-align: center;">W/16 ENGINES</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>K47</td><td>18</td><td>GY</td><td>1667742C1</td><td>1661872C1</td></tr> <tr><td>B</td><td>K47A</td><td>18</td><td>GY</td><td>1667742C1</td><td>1661872C1</td></tr> <tr><td>C</td><td>K17E</td><td>18</td><td>VT</td><td>1667742C1</td><td>1661872C1</td></tr> </tbody> </table> <p style="text-align: center;">W/V8 ENGINES</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>K47</td><td>18</td><td>GY</td><td>1667742C1</td><td>1661872C1</td></tr> <tr><td>B</td><td>K47A</td><td>18</td><td>GY</td><td>1667742C1</td><td>1661872C1</td></tr> <tr><td>C</td><td>K97AD</td><td>18</td><td>VT</td><td>1667742C1</td><td>1661872C1</td></tr> </tbody> </table> <p style="text-align: center;">CONNECTOR - 3522253C1 LOCK - 3522253C1 PLUG - 2025431C1</p> <p style="text-align: center;">W/CAT C10, CAT C12, CUMMINS</p> <table border="1" style="width: 100%; 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<p style="text-align: center;">TERMINATING RESISTOR (7801M)</p> <div style="margin-left: 10px;"> <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> <th>NOTES</th> </tr> </thead> <tbody> <tr><td>A</td><td>K5C1-1</td><td>18</td><td>YL</td><td>1661875C1</td><td>3568570C1</td><td></td></tr> <tr><td>A</td><td>K5D1-1</td><td>18</td><td>YL</td><td>1661875C1</td><td>3568570C1</td><td></td></tr> <tr><td>A</td><td>K5C1B3</td><td>18</td><td>YL</td><td>1661875C1</td><td>3568570C1</td><td></td></tr> <tr><td>A</td><td>K5AE</td><td>18</td><td>GN</td><td>1661875C1</td><td>3568570C1</td><td>W/ V8 ENGINE</td></tr> <tr><td>A</td><td>K5A1-1</td><td>18</td><td>YL</td><td>1661875C1</td><td>3568570C1</td><td>W/ MWM ENGINE</td></tr> <tr><td>B</td><td>K132</td><td>18</td><td>PK</td><td>1661875C1</td><td>1661872C1</td><td>W/ 16 ENGINE</td></tr> <tr><td>C</td><td>K5C1-1</td><td>18</td><td>GN</td><td>1661875C1</td><td>3568570C1</td><td></td></tr> <tr><td>C</td><td>K5D1-1</td><td>18</td><td>GN</td><td>1661875C1</td><td>3568570C1</td><td></td></tr> <tr><td>C</td><td>K5C1B4</td><td>18</td><td>GN</td><td>1661875C1</td><td>3568570C1</td><td></td></tr> <tr><td>C</td><td>K5U</td><td>18</td><td>YL</td><td>1661875C1</td><td>3568570C1</td><td>W/ V8 ENGINE</td></tr> <tr><td>C</td><td>K5A1-1</td><td>18</td><td>GN</td><td>1661875C1</td><td>3568570C1</td><td>W/ MWM ENGINE</td></tr> </tbody> </table> <p style="text-align: center;">CONNECTOR - 1667741C1 PLUG - 2025431C1 LOCK - 1667771C1</p> </div>				CAV	CIR	GAUGE	COLOR	TERM	SEAL	NOTES	A	K5C1-1	18	YL	1661875C1	3568570C1		A	K5D1-1	18	YL	1661875C1	3568570C1		A	K5C1B3	18	YL	1661875C1	3568570C1		A	K5AE	18	GN	1661875C1	3568570C1	W/ V8 ENGINE	A	K5A1-1	18	YL	1661875C1	3568570C1	W/ MWM ENGINE	B	K132	18	PK	1661875C1	1661872C1	W/ 16 ENGINE	C	K5C1-1	18	GN	1661875C1	3568570C1		C	K5D1-1	18	GN	1661875C1	3568570C1		C	K5C1B4	18	GN	1661875C1	3568570C1		C	K5U	18	YL	1661875C1	3568570C1	W/ V8 ENGINE	C	K5A1-1	18	GN	1661875C1	3568570C1	W/ MWM ENGINE	<p style="text-align: center;">• INVERTER J1939 CONN (7801R)</p> <div style="margin-left: 10px;"> <p>W/16 ENGINES ONLY</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>K5G1-1</td><td>18</td><td>YL</td><td>1661875C1</td><td>3568570C1</td></tr> <tr><td>B</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>C</td><td>K5G1-1</td><td>18</td><td>GN</td><td>1661875C1</td><td>3568570C1</td></tr> </tbody> </table> <p>CONNECTOR - 1667741C1 PLUG - 2025431C1 LOCK - 1667771C1</p> </div>				CAV	CIR	GAUGE	COLOR	TERM	SEAL	A	K5G1-1	18	YL	1661875C1	3568570C1	B	-	-	-	-	-	C	K5G1-1	18	GN	1661875C1	3568570C1																																																																																																																																				
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Figure 253 Connector Composites (7800), (7801M), (7801R), (7803), (7899)

## 12.61. CONNECTOR COMPOSITES (7900), (7901), (7905), (7906), P. 48

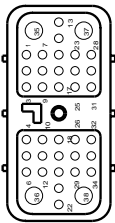
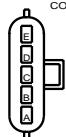
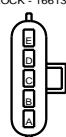






**Figure 254 Connector Composites (7900), (7901), (7905), (7906)**

**3200, 4100, 4200, 4300, 4400, 7300, 7400, 7500, 7600, 7700, 8500, 8600, MXT, RXT  
Models Built Oct. 1, 2005 to Feb. 28, 2007 — ELECTRICAL CIRCUIT DIAGRAMS**











255

## 12.62. CONNECTOR COMPOSITES (7909), (8000), (8001), (8102), (8150), (8151), (8200), P. 49

INTERNATIONAL TRUCK AND ENGINE CORPORATION					ELECTRICAL CIRCUIT DIAGRAM CHAPTER 12																																																																																																																																																																																																																																																																																		
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																																																																																																																																																																																																																																																																																		
<div style="display: flex; justify-content: space-between;"> <div style="width: 30%;"> <p><b>EATON AUTOSHIFT ECM (7909)</b></p>  <p>CONNECTOR - 3699542C1 PLUG - 0453133C1 PLUG - 3527276C1 COVER - 3616205C1</p> </div> <div style="width: 65%;"> <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>PLUG</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>2</td><td>NL5C(-)</td><td>18</td><td>GN</td><td>3555249C1</td></tr> <tr><td>2</td><td>EC5CB(-)</td><td>18</td><td>GN</td><td>3555249C1</td></tr> <tr><td>3</td><td>NL5C(+)</td><td>18</td><td>YL</td><td>3555249C1</td></tr> <tr><td>3</td><td>EC5CB(+)</td><td>18</td><td>YL</td><td>3555249C1</td></tr> <tr><td>4</td><td>ND17K</td><td>18</td><td>PK</td><td>3555249C1</td></tr> <tr><td>4</td><td>FA17GA</td><td>16</td><td>WH</td><td>3555249C1</td></tr> <tr><td>5</td><td>PLUG</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>6</td><td>PLUG</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>7</td><td>PLUG</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>8</td><td>PLUG</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>9</td><td>PLUG</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>10</td><td>ND3E(+)</td><td>18</td><td>DKBL</td><td>3555249C1</td></tr> <tr><td>10</td><td>FA3E(+)</td><td>18</td><td>DKBL</td><td>3555249C1</td></tr> <tr><td>11</td><td>ND3E(-)</td><td>18</td><td>DKBL</td><td>3555249C1</td></tr> <tr><td>11</td><td>FA3E(-)</td><td>18</td><td>GV</td><td>3555249C1</td></tr> <tr><td>12</td><td>PLUG</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>13</td><td>PLUG</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>14</td><td>PLUG</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>15</td><td>PLUG</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>16</td><td>PLUG</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>17</td><td>PLUG</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>18</td><td>PLUG</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>19</td><td>PLUG</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>20</td><td>PLUG</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>21</td><td>PLUG</td><td>-</td><td>-</td><td>-</td></tr> </tbody> </table> <table border="1" style="width: 100%; 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<p><b>SNOW PLOW HARNESS CONN (8102)</b></p>  <p>CONNECTOR - 2039311C91 PLUG - 0587579C1 LOCK - 2039342C1</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>M64HI</td><td>14</td><td>YL</td><td>3535486C1</td><td>0589391C1</td></tr> <tr><td>B</td><td>M11-GE</td><td>14</td><td>WH</td><td>3535486C1</td><td>0589391C1</td></tr> <tr><td>C</td><td>M64LO</td><td>14</td><td>YL</td><td>3535486C1</td><td>0589391C1</td></tr> <tr><td>D</td><td>M53A</td><td>14</td><td>YL</td><td>2039343C1</td><td>1652325C1</td></tr> <tr><td>E</td><td>M58E</td><td>14</td><td>BN</td><td>3535486C1</td><td>0589391C1</td></tr> <tr><td>F</td><td>M57D</td><td>16</td><td>LT.GN</td><td>2039343C1</td><td>1652325C1</td></tr> </tbody> </table>					CAV	CIR	GAUGE	COLOR	TERM	SEAL	A	M64HI	14	YL	3535486C1	0589391C1	B	M11-GE	14	WH	3535486C1	0589391C1	C	M64LO	14	YL	3535486C1	0589391C1	D	M53A	14	YL	2039343C1	1652325C1	E	M58E	14	BN	3535486C1	0589391C1	F	M57D	16	LT.GN	2039343C1	1652325C1	<p><b>LEFT GUIDE POST LIGHT (8150)</b></p>  <p>CONNECTOR - 1661778C1 PLUG - 1687788C1 LOCK - 1661874C1</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>M58H</td><td>16</td><td>BN</td><td>1661875C1</td><td>1661872C1</td></tr> <tr><td>B</td><td>M58-GA</td><td>16</td><td>WH</td><td>1661875C1</td><td>1661872C1</td></tr> </tbody> </table>					CAV	CIR	GAUGE	COLOR	TERM	SEAL	A	M58H	16	BN	1661875C1	1661872C1	B	M58-GA	16	WH	1661875C1	1661872C1																																																																																																																																																																																																																		
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




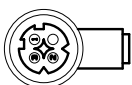
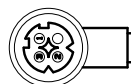



**Figure 255 Connector Composites (7909), (8000), (8001), (8102), (8150), (8151), (8200)**

**12.63. CONNECTOR COMPOSITES (8201), (8301), (8310), (8311), (8312), (8400), (8500), (8501), (8502), (8502A), P. 50**

INTERNATIONAL TRUCK AND ENGINE CORPORATION				ELECTRICAL CIRCUIT DIAGRAM CHAPTER 12																																																															
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<p style="text-align: center;"><b>LEFT FOGLIGHT (8201)</b></p>  <p style="text-align: center;">CONNECTOR - 0587567C91 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>M6AB</td> <td>16</td> <td>YL</td> <td>0587577C1</td> <td>1652325C1</td> </tr> <tr> <td>B</td> <td>M64-GA</td> <td>16</td> <td>WH</td> <td>0587577C1</td> <td>1652325C1</td> </tr> </table>				CAV	CIR	GAUGE	COLOR	TERM	SEAL	A	M6AB	16	YL	0587577C1	1652325C1	B	M64-GA	16	WH	0587577C1	1652325C1	<p style="text-align: center;"><b>ELECTRIC HORN (8301)</b></p>  <p style="text-align: center;">CONNECTOR - 1661778C1 PLUG - 1687788C1 LOCK - 1661874C1</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>M85E</td> <td>16</td> <td>GY</td> <td>1661875C1</td> <td>1661872C1</td> </tr> <tr> <td>B</td> <td>M85-GA</td> <td>16</td> <td>WH</td> <td>1661875C1</td> <td>1661872C1</td> </tr> </table>				CAV	CIR	GAUGE	COLOR	TERM	SEAL	A	M85E	16	GY	1661875C1	1661872C1	B	M85-GA	16	WH	1661875C1	1661872C1																								
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<p style="text-align: center;"><b>DUAL ELECTRIC HORNS (8310)</b></p>  <p style="text-align: center;">CONNECTOR - 3543888C1 PLUG - 2026431C1 LOCK - 1661874C1</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>M85-I</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	M85-I	16	GY	1667742C1	1661872C1	B	M85-GC	16	WH	1667742C1	1661872C1	<p style="text-align: center;"><b>ELECTRIC HORN #1 (8311)</b></p>  <p style="text-align: center;">CONNECTOR - 1661778C1 PLUG - 1687788C1 LOCK - 1661874C1</p> <p style="text-align: center; font-size: 8px;">W/ SINGLE HORN</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>M85-I</td> <td>16</td> <td>GY</td> <td>1661875C1</td> <td>1661872C1</td> </tr> <tr> <td>B</td> <td>M85-GC</td> <td>16</td> <td>WH</td> <td>1661875C1</td> <td>1661872C1</td> </tr> </table> <p style="text-align: center; font-size: 8px;">W/ DUAL HORNS</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>M85K</td> <td>16</td> <td>GY</td> <td>1661875C1</td> <td>1661872C1</td> </tr> <tr> <td>A*</td> <td>M85N</td> <td>20</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> <p style="text-align: center; font-size: 8px;">* W/ MXT</p>				CAV	CIR	GAUGE	COLOR	TERM	SEAL	A	M85-I	16	GY	1661875C1	1661872C1	B	M85-GC	16	WH	1661875C1	1661872C1	CAV	CIR	GAUGE	COLOR	TERM	SEAL	A	M85K	16	GY	1661875C1	1661872C1	A*	M85N	20	GY	1661875C1	1661872C1	B	M85-GD	16	WH	1661875C1	1661872C1
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<p style="text-align: center;"><b>LEFT HYD ABS WHEEL SENSOR (8502)</b></p>  <p style="text-align: center;">PURCHASED ASSEMBLY P/N 3519878C1</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>(M94I)</td> <td>18</td> <td>BK</td> <td>ASSY</td> </tr> <tr> <td>2</td> <td>(M94M)</td> <td>18</td> <td>BN</td> <td>ASSY</td> </tr> </table>				CAV	CIR	GAUGE	COLOR	TERM	1	(M94I)	18	BK	ASSY	2	(M94M)	18	BN	ASSY	<p style="text-align: center;"><b>BENDIX LEFT AIR ABS WHEEL SENSOR (8502A)</b></p>  <p style="text-align: center;">CONNECTOR - 1684261C1 PLUG - 0453133C1 LOCK - 1684263C1</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>M94C</td> <td>18</td> <td>GY</td> <td>1680205C1</td> </tr> <tr> <td>2</td> <td>M94D</td> <td>18</td> <td>GY</td> <td>1680205C1</td> </tr> </table>				CAV	CIR	GAUGE	COLOR	TERM	1	M94C	18	GY	1680205C1	2	M94D	18	GY	1680205C1																														
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CNA1	31MAR09	ADDED MXT EFFECTS	D	61817B	U00EDL2	CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500																																																													
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

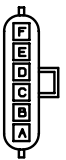
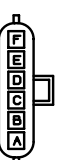
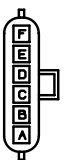
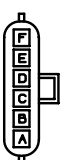

**Figure 256 Connector Composites (8201), (8301), (8310), (8311), (8312), (8400), (8500), (8501), (8502), (8502A)**

**12.64. CONNECTOR COMPOSITES (8503), (8503A), (8505), (8506), (8507), (8508), (8509), (8600), (8601), (8602), P. 51**

INTERNATIONAL TRUCK AND ENGINE CORPORATION					ELECTRICAL CIRCUIT DIAGRAM CHAPTER 12																																										
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<div>RIGHT HYD ABS WHEEL SENSOR (8503)</div> <div></div> <div>PURCHASED ASSEMBLY P/N 3519878C1</div> <table><tr><th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>TERM</th></tr><tr><td>1</td><td>M94N</td><td>18</td><td>BK</td><td>ASSY</td></tr><tr><td>2</td><td>M94P</td><td>18</td><td>BN</td><td>ASSY</td></tr></table>					CAV	CIR	GAUGE	COLOR	TERM	1	M94N	18	BK	ASSY	2	M94P	18	BN	ASSY	<div>BENDIX RIGHT AIR ABS WHEEL SENSOR (8503A)</div> <div></div> <div>CONNECTOR - 1684261C1 PLUG - 0453133C1 LOCK - 1684263C1</div> <table><tr><th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>TERM</th></tr><tr><td>1</td><td>M94E</td><td>18</td><td>GY</td><td>1680205C1</td></tr><tr><td>2</td><td>M94F</td><td>18</td><td>GY</td><td>1680205C1</td></tr></table>					CAV	CIR	GAUGE	COLOR	TERM	1	M94E	18	GY	1680205C1	2	M94F	18	GY	1680205C1								
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<div>AIR COMPRESSOR FOR HYD BRAKES (8505)</div> <div></div> <div>CONNECTOR - 1678137C1</div> <table><tr><th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>TERM</th></tr><tr><td>A</td><td>M9</td><td>18</td><td>GY</td><td>1651943C1</td></tr><tr><td>B</td><td>M8</td><td>18</td><td>GY</td><td>1651943C1</td></tr><tr><td>C</td><td>M40</td><td>18</td><td>GY</td><td>1651943C1</td></tr></table>					CAV	CIR	GAUGE	COLOR	TERM	A	M9	18	GY	1651943C1	B	M8	18	GY	1651943C1	C	M40	18	GY	1651943C1	<div>WABCO LEFT FRONT AIR ABS WHEEL SPEED SENSOR (8506)</div> <div></div> <div>PURCHASED ASSEMBLY P/N 3519878C1</div> <table><tr><th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>TERM</th></tr><tr><td>1</td><td>M94AC</td><td>18</td><td>BN</td><td>ASSY</td></tr><tr><td>2</td><td>M94AD</td><td>18</td><td>BK</td><td>ASSY</td></tr></table>					CAV	CIR	GAUGE	COLOR	TERM	1	M94AC	18	BN	ASSY	2	M94AD	18	BK	ASSY			
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<div>WABCO RIGHT FRONT AIR ABS WHEEL SPEED SENSOR (8507)</div> <div></div> <div>PURCHASED ASSEMBLY P/N 3519868C1</div> <table><tr><th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>TERM</th></tr><tr><td>1</td><td>M94AE</td><td>18</td><td>BN</td><td>ASSY</td></tr><tr><td>2</td><td>M94AF</td><td>18</td><td>BK</td><td>ASSY</td></tr></table>					CAV	CIR	GAUGE	COLOR	TERM	1	M94AE	18	BN	ASSY	2	M94AF	18	BK	ASSY	<div>WABCO LEFT FRONT AIR ABS MODULATOR (8508)</div> <div></div> <div>PURCHASED ASSEMBLY P/N 3554539C1</div> <table><tr><th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>TERM</th></tr><tr><td>1</td><td>M94AL</td><td>14</td><td>BL</td><td>ASSY</td></tr><tr><td>2</td><td>M94AA</td><td>14</td><td>GN</td><td>ASSY</td></tr><tr><td>3</td><td>M94AB</td><td>14</td><td>BN</td><td>ASSY</td></tr></table>					CAV	CIR	GAUGE	COLOR	TERM	1	M94AL	14	BL	ASSY	2	M94AA	14	GN	ASSY	3	M94AB	14	BN	ASSY			
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<div>TEMP SENDER (8601)</div> <div></div> <div>CONNECTOR - 3522068C1 PLUG - 1687766C1 LOCK - 1681874C1</div> <table><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>M41</td><td>18</td><td>GY</td><td>1681875C1</td><td>1681872C1</td></tr><tr><td>B</td><td>M41A</td><td>18</td><td>GY</td><td>1681875C1</td><td>1681872C1</td></tr></table>					CAV	CIR	GAUGE	COLOR	TERM	SEAL	A	M41	18	GY	1681875C1	1681872C1	B	M41A	18	GY	1681875C1	1681872C1	<div>A/C TRANSDUCER (8602)</div> <div></div> <div>CONNECTOR - 1678137C1</div> <table><tr><th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>TERM</th></tr><tr><td>A</td><td>M9</td><td>20</td><td>GY</td><td>1651943C1</td></tr><tr><td>B</td><td>M8</td><td>20</td><td>GY</td><td>1651943C1</td></tr><tr><td>C</td><td>M77</td><td>20</td><td>LT GN</td><td>1651943C1</td></tr></table>					CAV	CIR	GAUGE	COLOR	TERM	A	M9	20	GY	1651943C1	B	M8	20	GY	1651943C1	C	M77	20	LT GN	1651943C1
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						PART NO.	AE08-52376		SHEET 51																																						

**Figure 257 Connector Composites (8503), (8503A), (8505), (8506), (8507), (8508), (8509), (8600), (8601), (8602)**

**12.65. CONNECTOR COMPOSITES (8700), (8701), (8800), (8801), (8802), (8803), (8805), P. 52**

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<b>ISOLATED GND SPLICE PACK (8802)</b>  CONNECTOR - 3551898C1 PLUG - 0587579C1 LOCK - 3551897C1 COVER - 3551792C1 <table border="1" style="width: 100%; border-collapse: collapse; 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>N8</td> <td>18</td> <td>GY</td> <td>2033819C1</td> <td>1652325C1</td> </tr> <tr> <td>* B</td> <td>N9A</td> <td>18</td> <td>GY</td> <td>2033819C1</td> <td>1652325C1</td> </tr> <tr> <td>C</td> <td>N8B</td> <td>18</td> <td>GY</td> <td>2033819C1</td> <td>1652325C1</td> </tr> <tr> <td>D</td> <td>N44-G8</td> <td>18</td> <td>WH</td> <td>2033819C1</td> <td>1652325C1</td> </tr> <tr> <td>E</td> <td>N9F</td> <td>18</td> <td>GY</td> <td>2033819C1</td> <td>1652325C1</td> </tr> <tr> <td>** F</td> <td>N9F</td> <td>18</td> <td>GY</td> <td>2033819C1</td> <td>1652325C1</td> </tr> </tbody> </table> <p>* - FOR AF MTD FUEL TANK, CIRCUIT NUMBER IS N86.</p> <p>** - FOR RR AXLE TEMP, CIRCUIT NUMBER IS N8H.</p>				CAV	CIR	GAUGE	COLOR	TERM	SEAL	A	N8	18	GY	2033819C1	1652325C1	* B	N9A	18	GY	2033819C1	1652325C1	C	N8B	18	GY	2033819C1	1652325C1	D	N44-G8	18	WH	2033819C1	1652325C1	E	N9F	18	GY	2033819C1	1652325C1	** F	N9F	18	GY	2033819C1	1652325C1	<b>CHASSIS GND SPLICE PACK (8803)</b>  CONNECTOR - 3551898C1 PLUG - 0587579C1 LOCK - 3551897C1 COVER - 3551792C1 <table border="1" style="width: 100%; border-collapse: collapse; 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>N10-G</td> <td>14</td> <td>WH</td> <td>2033819C1</td> <td>0589391C1</td> </tr> <tr> <td>B</td> <td>N10-GA</td> <td>12</td> <td>WH</td> <td>2033819C1</td> <td>0589390C1</td> </tr> <tr> <td>* C</td> <td>N39-G</td> <td>18</td> <td>WH</td> <td>2033819C1</td> <td>1652325C1</td> </tr> <tr> <td>** D</td> <td>N39-G8</td> <td>16</td> <td>WH</td> <td>2033819C1</td> <td>1652325C1</td> </tr> <tr> <td>E</td> <td>N49-G</td> <td>18</td> <td>WH</td> <td>2033819C1</td> <td>1652325C1</td> </tr> <tr> <td>F</td> <td>N10-GF</td> <td>18</td> <td>WH</td> <td>2033819C1</td> <td>1652325C1</td> </tr> </tbody> </table> <p>* - FOR RIGHT SIDE MTD DRAIN VALVE, CIRCUIT NUMBER IS N39-GA.</p> <p>** - FOR RIGHT SIDE MTD AIR DRYER, CIRCUIT NUMBER IS N39-GC</p>				CAV	CIR	GAUGE	COLOR	TERM	SEAL	A	N10-G	14	WH	2033819C1	0589391C1	B	N10-GA	12	WH	2033819C1	0589390C1	* C	N39-G	18	WH	2033819C1	1652325C1	** D	N39-G8	16	WH	2033819C1	1652325C1	E	N49-G	18	WH	2033819C1	1652325C1	F	N10-GF	18	WH	2033819C1	1652325C1
CAV	CIR	GAUGE	COLOR	TERM	SEAL																																																																																						
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* B	N9A	18	GY	2033819C1	1652325C1																																																																																						
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D	N44-G8	18	WH	2033819C1	1652325C1																																																																																						
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<b>HOOD SWITCH (8805)</b>  <table border="1" style="width: 100%; border-collapse: collapse; font-size: 8px;"> <thead> <tr> <th>CAV</th> <th>CIR</th> <th>GAUGE</th> <th>COLOR</th> <th>TERMINAL</th> <th>SEAL</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>M104CC</td> <td>18</td> <td>DKBL</td> <td>0587576C1</td> <td>1652325C1</td> </tr> <tr> <td>B</td> <td>M104CB</td> <td>18</td> <td>DKBL</td> <td>0587576C1</td> <td>1652325C1</td> </tr> </tbody> </table> CONNECTOR - 0587568C1				CAV	CIR	GAUGE	COLOR	TERMINAL	SEAL	A	M104CC	18	DKBL	0587576C1	1652325C1	B	M104CB	18	DKBL	0587576C1	1652325C1	THIS SPACE INTENTIONALLY LEFT BLANK																																																																					
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CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
CNA	11APR05	REMOVED 9001-9255	E	50157D	U00EDL2	42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS
		ADDED 8700-8805			P52778H	DATE 31MAY00 PART NO. AE08-52376 SHEET 52










**Figure 258 Connector Composites (8700), (8701), (8800), (8801), (8802), (8803), (8805)**



**3200, 4100, 4200, 4300, 4400, 7300, 7400, 7500, 7600, 7700, 8500, 8600, MXT, RXT**  
**Models Built Oct. 1, 2005 to Feb. 28, 2007 — ELECTRICAL CIRCUIT DIAGRAMS**


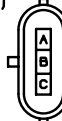

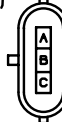








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**12.66. CONNECTOR COMPOSITES (9001), (9002), (9100), (9101), (9102), (9103), (9104), (9254), (9255), P. 53**

INTERNATIONAL TRUCK AND ENGINE CORPORATION				ELECTRICAL CIRCUIT DIAGRAM CHAPTER 12																																													
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																																													
<b>LEFT SIDE HEATED DRAIN (9001)</b>  CONNECTOR - 1661778C1 PLUG - 1687788C1 LOCK - 1661874C1				<b>RIGHT SIDE HEATED DRAIN (9002)</b>  CONNECTOR - 1661778C1 PLUG - 1687788C1 LOCK - 1661874C1																																													
<table border="1" style="width: 100%; border-collapse: collapse; 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>N39</td> <td>18</td> <td>GY</td> <td>1661875C1</td> <td>1661872C1</td> </tr> <tr> <td>B</td> <td>N39-G</td> <td>18</td> <td>WH</td> <td>1661875C1</td> <td>1661872C1</td> </tr> </tbody> </table>				CAV	CIR	GAUGE	COLOR	TERM	SEAL	A	N39	18	GY	1661875C1	1661872C1	B	N39-G	18	WH	1661875C1	1661872C1	<table border="1" style="width: 100%; border-collapse: collapse; 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>N39A</td> <td>18</td> <td>GY</td> <td>1661875C1</td> <td>1661872C1</td> </tr> <tr> <td>B</td> <td>N39-GA</td> <td>18</td> <td>WH</td> <td>1661875C1</td> <td>1661872C1</td> </tr> </tbody> </table>				CAV	CIR	GAUGE	COLOR	TERM	SEAL	A	N39A	18	GY	1661875C1	1661872C1	B	N39-GA	18	WH	1661875C1	1661872C1						
CAV	CIR	GAUGE	COLOR	TERM	SEAL																																												
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B	N39-G	18	WH	1661875C1	1661872C1																																												
CAV	CIR	GAUGE	COLOR	TERM	SEAL																																												
A	N39A	18	GY	1661875C1	1661872C1																																												
B	N39-GA	18	WH	1661875C1	1661872C1																																												
<b>LEFT FUEL SENDER (9100)</b>  CONNECTOR - 1661778C1 PLUG - 1687788C1 LOCK - 1661874C1				<b>RIGHT FUEL SENDER (9101)</b>  CONNECTOR - 1661778C1 PLUG - 1687788C1 LOCK - 1661874C1																																													
<table border="1" style="width: 100%; border-collapse: collapse; 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>N36</td> <td>18</td> <td>TN</td> <td>1661875C1</td> <td>1661872C1</td> </tr> <tr> <td>B</td> <td>N36A</td> <td>18</td> <td>GY</td> <td>1661875C1</td> <td>1661872C1</td> </tr> </tbody> </table>				CAV	CIR	GAUGE	COLOR	TERM	SEAL	A	N36	18	TN	1661875C1	1661872C1	B	N36A	18	GY	1661875C1	1661872C1	<table border="1" style="width: 100%; border-collapse: collapse; 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>N36A</td> <td>18</td> <td>TN</td> <td>1661875C1</td> <td>1661872C1</td> </tr> <tr> <td>B</td> <td>N36</td> <td>18</td> <td>GY</td> <td>1661875C1</td> <td>1661872C1</td> </tr> <tr> <td>B&amp;</td> <td>N36</td> <td>18</td> <td>GY</td> <td>1661875C1</td> <td>1661872C1</td> </tr> </tbody> </table>				CAV	CIR	GAUGE	COLOR	TERM	SEAL	A*	N36A	18	TN	1661875C1	1661872C1	B	N36	18	GY	1661875C1	1661872C1	B&	N36	18	GY	1661875C1	1661872C1
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B&	N36	18	GY	1661875C1	1661872C1																																												
* - FOR DUAL MTD FUEL TANKS, CIRCUIT NUMBER IS N36E.    ** - FOR AF MTD FUEL TANK, CIRCUIT NUMBER IS N9D.				& W/ MXT * FOR DUAL MTD FUEL TANKS, CIRCUIT NUMBER IS N36C.																																													
<b>FUEL TRANSFER PUMP (9102)</b>  CONNECTOR - 3522068C1 LOCK - 1661874C1				<b>RIGHT SIDE FUEL SENDER (9103)</b>  CONNECTOR - 1661778C1 PLUG - 1661874C1 LOCK - 2025431C1																																													
<table border="1" style="width: 100%; border-collapse: collapse; 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>N37-G</td> <td>18</td> <td>WH</td> <td>1661875C1</td> <td></td> </tr> <tr> <td>B</td> <td>N37D</td> <td>18</td> <td>TN</td> <td>1661875C1</td> <td></td> </tr> <tr> <td>B</td> <td>N37</td> <td>18</td> <td>TN</td> <td>1661875C1</td> <td></td> </tr> </tbody> </table>				CAV	CIR	GAUGE	COLOR	TERM	SEAL	A	N37-G	18	WH	1661875C1		B	N37D	18	TN	1661875C1		B	N37	18	TN	1661875C1		<table border="1" style="width: 100%; border-collapse: collapse; font-size: 8px;"> <thead> <tr> <th>CAV</th> <th>CIR</th> <th>GA</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>1661872C1</td> </tr> <tr> <td>B</td> <td>N36</td> <td>18</td> <td>GY</td> <td>1661875C1</td> <td>1661872C1</td> </tr> </tbody> </table>				CAV	CIR	GA	COLOR	TERM	SEAL	A	N36	18	TN	1661875C1	1661872C1	B	N36	18	GY	1661875C1	1661872C1
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A	N36	18	TN	1661875C1	1661872C1																																												
B	N36	18	GY	1661875C1	1661872C1																																												
THIS SPACE INTENTIONALLY LEFT BLANK				<b>FUEL TRANSFER PUMP INTERCONNECT (9104)</b>  CONNECTOR - 0587568C91 PLUG - 0587579C1 LOCK - N/A																																													
				<table border="1" style="width: 100%; border-collapse: collapse; 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>N37D</td> <td>18</td> <td>TN</td> <td>0587579C1</td> <td>1652325C1</td> </tr> <tr> <td>B</td> <td>N36B</td> <td>18</td> <td>TN</td> <td>0587579C1</td> <td>1652325C1</td> </tr> </tbody> </table>				CAV	CIR	GAUGE	COLOR	TERM	SEAL	A	N37D	18	TN	0587579C1	1652325C1	B	N36B	18	TN	0587579C1	1652325C1																								
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<b>ENG ECM FEED FUSE CONN (9254)</b>  CONNECTOR - 1667639C1 PLUG - 1675451C1				<b>TRANS ECU FEED FUSE CONN (9255)</b>  CONNECTOR - 1667639C1 PLUG - 1675451C1																																													
<table border="1" style="width: 100%; border-collapse: collapse; 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>N14AY</td> <td>10</td> <td>RD</td> <td>1661708C1</td> <td></td> </tr> <tr> <td>B</td> <td>N14BA</td> <td>10</td> <td>RD</td> <td>1661708C1</td> <td></td> </tr> </tbody> </table>				CAV	CIR	GAUGE	COLOR	TERM	SEAL	A	N14AY	10	RD	1661708C1		B	N14BA	10	RD	1661708C1		<table border="1" style="width: 100%; border-collapse: collapse; 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>N14AZ</td> <td>10</td> <td>RD</td> <td>1661708C1</td> <td></td> </tr> <tr> <td>B</td> <td>N14BB</td> <td>10</td> <td>RD</td> <td>1661708C1</td> <td></td> </tr> </tbody> </table>				CAV	CIR	GAUGE	COLOR	TERM	SEAL	A	N14AZ	10	RD	1661708C1		B	N14BB	10	RD	1661708C1							
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B	N14BB	10	RD	1661708C1																																													
CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME	PART NO.	SHEET																																									
CNA1	31MAR09	ADDED MXT EFFECTS	E	61817B	U00EDL2	CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500																																											
					RELEASE NO.	DATE																																											
					P52778H	28JUN00	AE08052376	053																																									

**Figure 259 Connector Composites (9001), (9002), (9100), (9101), (9102), (9103), (9104), (9254), (9255)**

**12.67. CONNECTOR COMPOSITES (9260), (9261), (9262), (9263), P. 54**

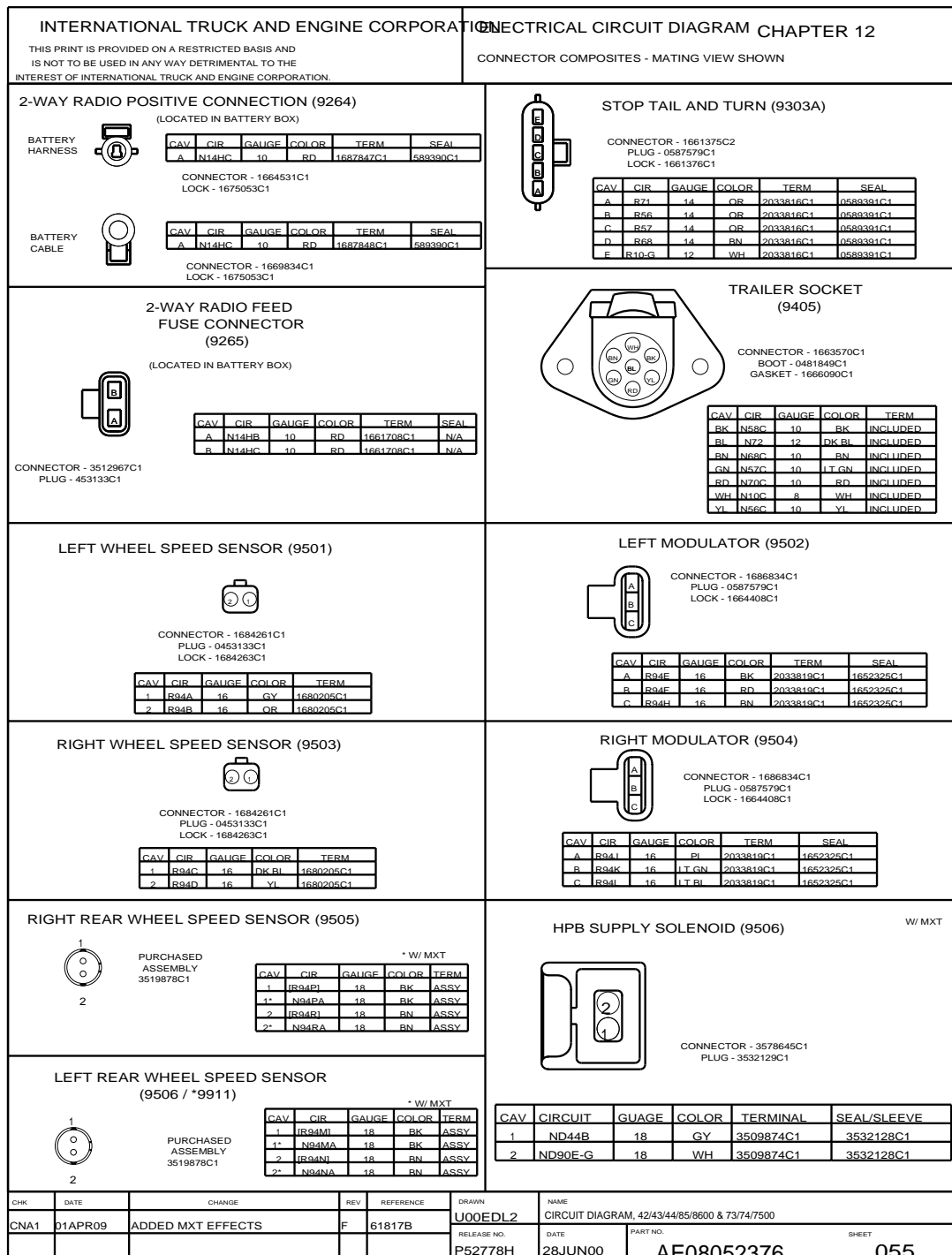
INTERNATIONAL TRUCK AND ENGINE CORPORATION				ELECTRICAL CIRCUIT DIAGRAM    CHAPTER 12																																																	
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<b>BATT ECM NEGATIVE CONN (9260) (VB ONLY)</b>																																																					
		CONNECTOR - 1667733C1 PLUG - 1675451C1 LOCK - 1667734C1																																																			
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**Figure 260 Connector Composites (9260), (9261), (9262), (9263)**

**3200, 4100, 4200, 4300, 4400, 7300, 7400, 7500, 7600, 7700, 8500, 8600, MXT, RXT  
Models Built Oct. 1, 2005 to Feb. 28, 2007 — ELECTRICAL CIRCUIT DIAGRAMS**

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**12.68. CONNECTOR COMPOSITES , (9264), (9265), (9303A), (9405), (9501), (9502), (9503), (9504), (9505), (9506), (9506/9911), P. 55**



**Figure 261 Connector Composites , (9264), (9265), (9303A), (9405), (9501), (9502), (9503), (9504), (9505), (9506), (9506/9911)**

## 12.69. CONNECTOR COMPOSITES (9507), (9508), (9509), (9510), (9511), (9512), (9513), (9514), (9515), P. 56

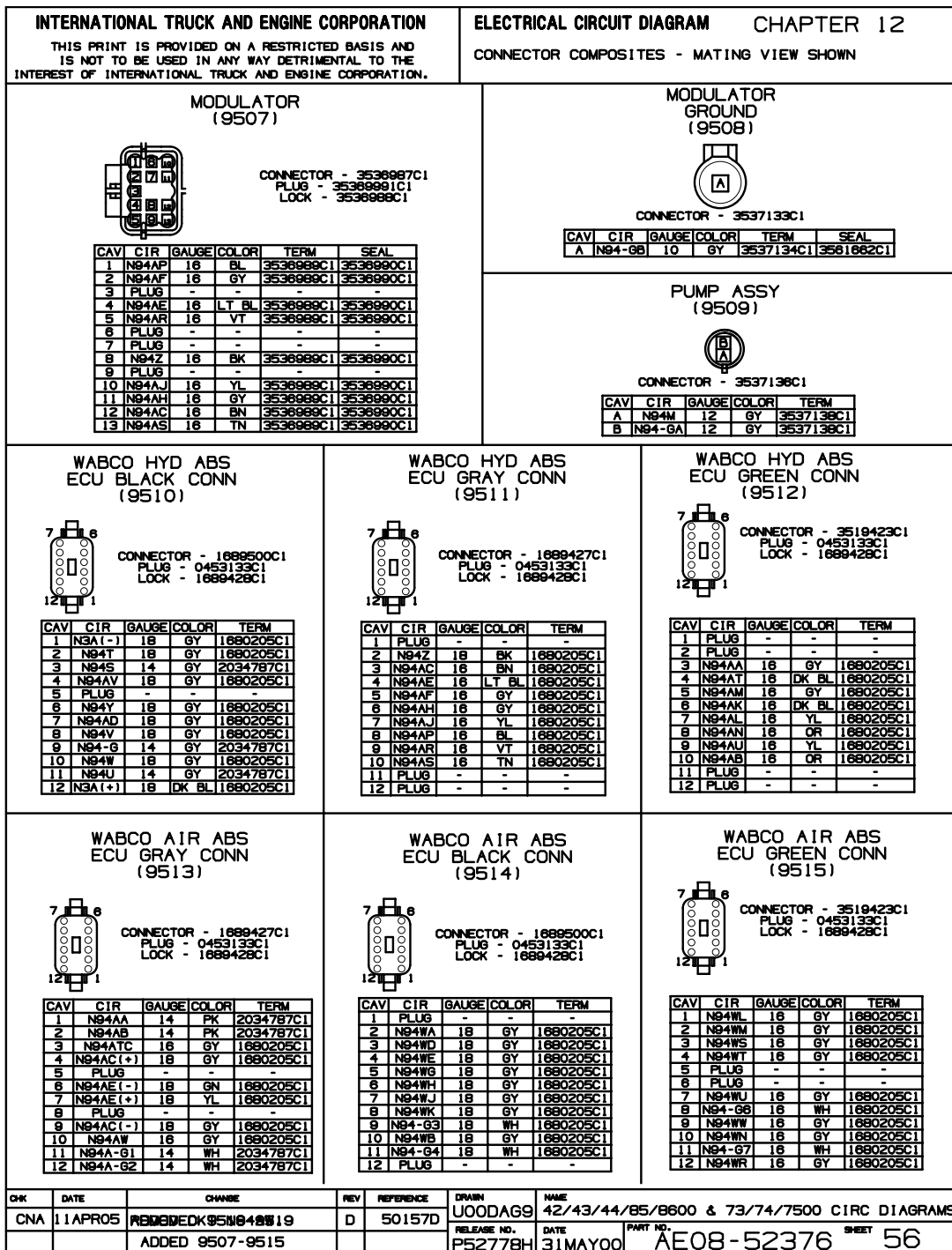
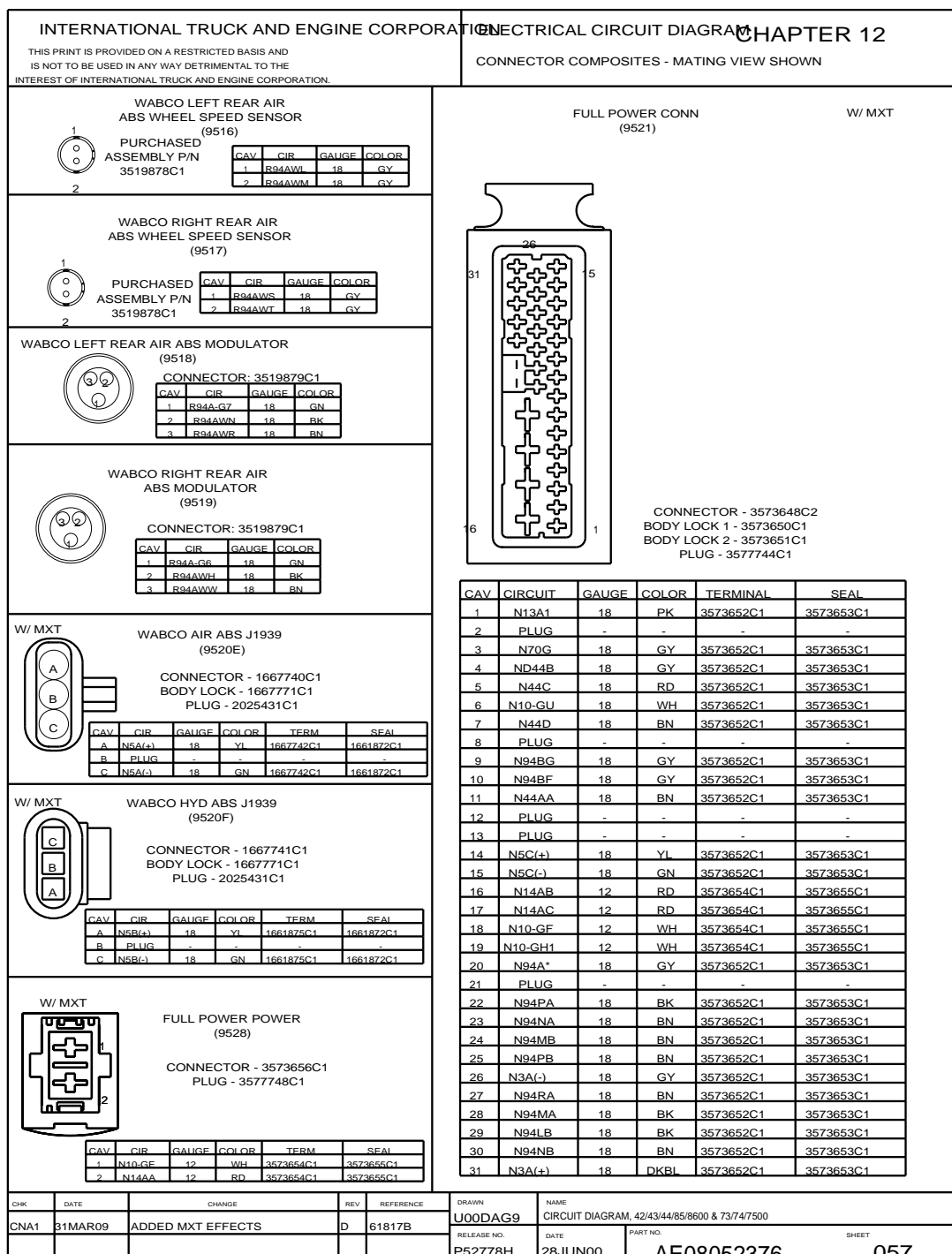


Figure 262 Connector Composites (9507), (9508), (9509), (9510), (9511), (9512), (9513), (9514), (9515)

**3200, 4100, 4200, 4300, 4400, 7300, 7400, 7500, 7600, 7700, 8500, 8600, MXT, RXT**  
**Models Built Oct. 1, 2005 to Feb. 28, 2007 — ELECTRICAL CIRCUIT DIAGRAMS**

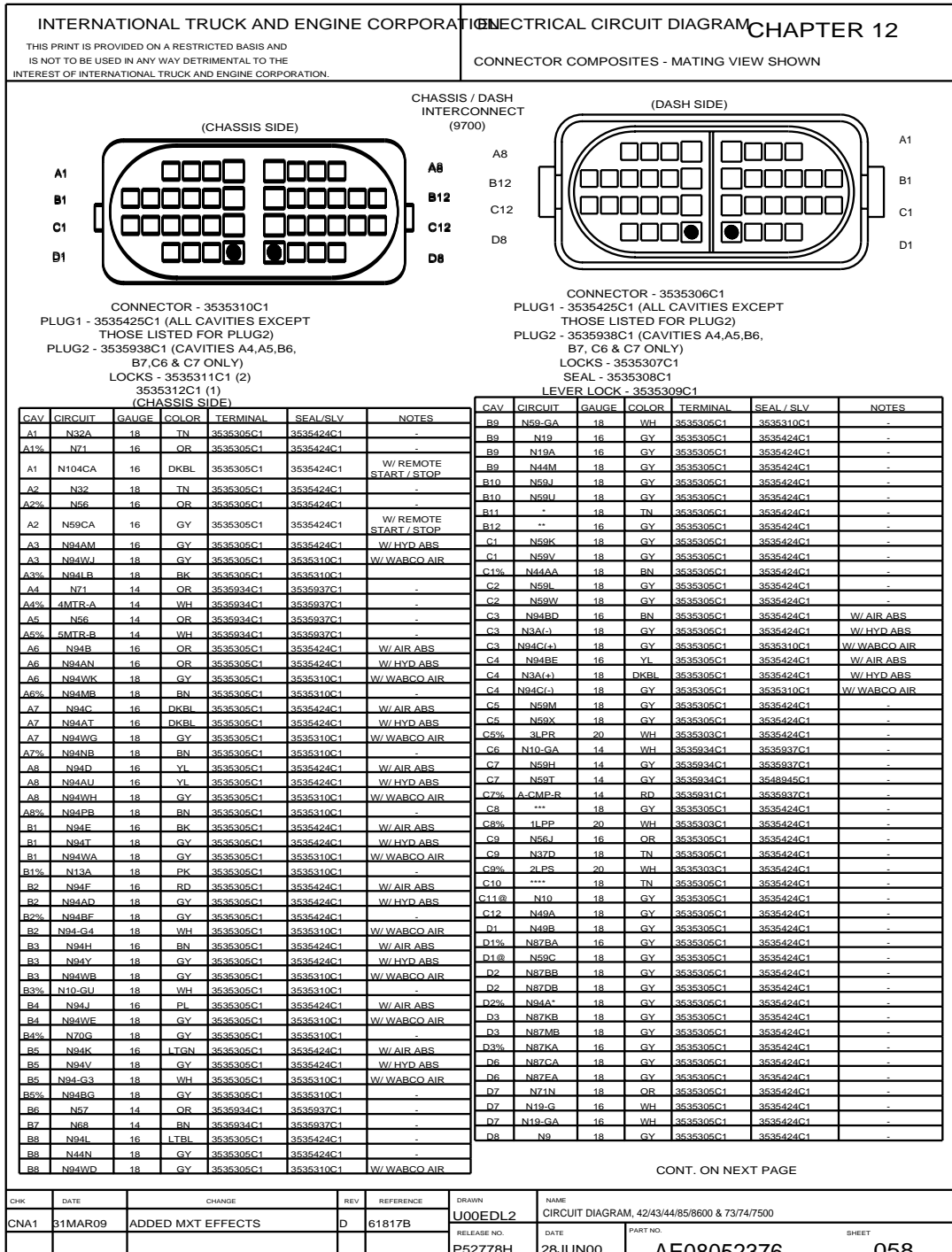
263

**12.70. CONNECTOR COMPOSITES (9516), (9517), (9518), (9519), (9520E), (9520F), (9521), (9528), P. 57**



**Figure 263 Connector Composites (9516), (9517), (9518), (9519), (9520E), (9520F), (9521), (9528)**

## 12.71. CONNECTOR COMPOSITE (9700), P. 58



**Figure 264 Connector Composite (9700)**

# 3200, 4100, 4200, 4300, 4400, 7300, 7400, 7500, 7600, 7700, 8500, 8600, MXT, RXT Models Built Oct. 1, 2005 to Feb. 28, 2007 — ELECTRICAL CIRCUIT DIAGRAMS

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## 12.72. CONNECTOR COMPOSITE (9700), P. 59

INTERNATIONAL TRUCK AND ENGINE CORPORATION

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CHAPTER 12

CONNECTOR COMPOSITES - MATING VIEW SHOWN

CHASSIS / DASH INTERCONNECT  
(9700)

CONT. FROM PREVIOUS PAGE

(DASH SIDE)

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL / SLV	NOTES
A1	J32	18	TN	3535303C1	3535424C1	-
A1%	J71A	18	OR	3535303C1	3535424C1	-
A1	J104C	18	DKBL	3535303C1	3535424C1	W/ REMOTE START / STOP
A2	J32A	18	TN	3535303C1	3535424C1	-
A2%	J59B	16	OR	3535303C1	3535424C1	-
A2	J59	16	GY	3535930C1	3535936C1	W/ REMOTE START / STOP
A3	J94AB	18	GY	3535303C1	3535424C1	W/ AIR ABS
A3	J94HM	18	GY	3535303C1	3535424C1	W/ HYD ABS
A3%	J94L	18	BK	3535303C1	3535424C1	-
A4	J71A	18	OR	3535930C1	3535936C1	-
A4%	JMTR-A	14	WH	3535303C1	3535937C1	-
A5	J59B	16	OR	3535930C1	3535936C1	-
A5%	JMTR-B	14	WH	3535303C1	3535937C1	-
A6	J94AA	18	OR	3535303C1	3535424C1	W/ AIR ABS
A6	J94HN	18	OR	3535303C1	3535424C1	W/ HYD ABS
A6%	J94M	18	BN	3535303C1	3535424C1	-
A7	J94AL	18	DKBL	3535303C1	3535424C1	W/ AIR ABS
A7	J94HT	18	DKBL	3535303C1	3535424C1	W/ HYD ABS
A7%	J94N	18	BN	3535303C1	3535424C1	-
A8	J94AK	18	YL	3535303C1	3535424C1	W/ AIR ABS
A8	J94HU	18	YL	3535303C1	3535424C1	W/ HYD ABS
A8%	J94P	18	BN	3535303C1	3535424C1	-
B1	J94AC	18	BK	3535303C1	3535424C1	W/ AIR ABS
B1	J94HD	18	GY	3535303C1	3535424C1	W/ HYD ABS
B1%	J13A	18	PK	3535303C1	3535424C1	-
B2	J94AD	18	RD	3535303C1	3535424C1	W/ AIR ABS
B2	J94HV	18	GY	3535303C1	3535424C1	W/ HYD ABS
B2%	J94BF	18	GY	3535303C1	3535424C1	-
B3	J94AE	18	BN	3535303C1	3535424C1	W/ AIR ABS
B3	J94HX	18	GY	3535303C1	3535424C1	W/ HYD ABS
B3%	J10-GU	18	WH	3535303C1	3535424C1	-
B4	J94AF	18	PL	3535303C1	3535424C1	W/ AIR ABS
B4%	J70G	18	GY	3535303C1	3535424C1	-
B5	J94AH	18	LTGN	3535303C1	3535424C1	W/ AIR ABS
B5	J94HP	18	GY	3535303C1	3535424C1	W/ HYD ABS
B5%	J94G	18	GY	3535303C1	3535424C1	-
B6	J57B	16	OR	3535930C1	3535936C1	-
B7	J59B	14	BN	3535931C1	3535937C1	-
B8	J94AJ	18	GY	3535303C1	3535424C1	-
B8	J44N	16	GY	3535303C1	3535424C1	-
B9	N59-GA	18	WH	3535303C1	3535424C1	-
B9	J44M	18	GY	3535303C1	3535424C1	-
B10	J59A	18	GY	3535303C1	3535424C1	-
B11	J36A	18	TN	3535303C1	3535424C1	-
B11%	A36A	18	TN	3535303C1	3535424C1	-
B12	J39A	16	GY	3535303C1	3535424C1	-

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL / SLV	NOTES
C1	J59B	18	GY	3535303C1	3535424C1	-
C2	J59C	18	GY	3535303C1	3535424C1	-
C3	J94ATC	18	GY	3535303C1	3535424C1	W/ AIR ABS
C3	J3C(-)	18	GY	3535303C1	3535424C1	W/ HYD ABS
C3%	J3C(-)	20	GY	3535303C1	3535424C1	-
C4	J94ATR	18	GY	3535303C1	3535424C1	W/ AIR ABS
C4	J3C(+)	18	DKBL	3535303C1	3535424C1	W/ HYD ABS
C4%	J3C(+)	20	DKBL	3535303C1	3535424C1	-
C5	J59D	18	GY	3535303C1	3535424C1	-
C5%	JLPR	20	WH	3535303C1	3535424C1	-
C6	J11-GA	14	WH	3535931C1	3535937C1	-
C7	J59E	14	GY	3535931C1	3535937C1	-
C7%	JCMPR	14	WH	3535931C1	3535937C1	-
C8	J39B	16	GY	3535303C1	3535424C1	-
C8%	JLPP	20	WH	3535303C1	3535424C1	-
C9	J37	16	TN	3535303C1	3535424C1	-
C9%	JLPS	20	WH	3535303C1	3535424C1	-
C10	J36B	18	TN	3535303C1	3535424C1	-
C11@	J10	18	GY	3535303C1	3535424C1	-
C12	J49A	18	GY	3535303C1	3535424C1	-
D1	J49B	18	GY	3535303C1	3535424C1	-
D1%	J87BA	18	GY	3535303C1	3535424C1	-
D1@	J59C	18	GY	3535303C1	3535424C1	-
D2	J87BB	18	GY	3535303C1	3535424C1	-
D3	J87K	16	GY	3535303C1	3535424C1	-
D6	J87CA	18	GY	3535303C1	3535424C1	-
D7	J71N	18	OR	3535303C1	3535424C1	-
D8	J9G	18	GY	3535303C1	3535424C1	-

\* - FOR LEFT SIDE MTD FUEL TANKS, CIR NUM IS N36;  
FOR RIGHT SIDE MTD FUEL TANKS AND FOR MXT  
CIR NUM IS N36A;  
FOR DUAL FUEL TANKS, CIR NUM IS N36B  
FOR AF MTD FUEL TANKS, CIR NUM IS N36C;

\*\* - FOR LEFT SIDE MTD AIR DRYERS, CIR NUM IS N39B;  
FOR RIGHT SIDE MTD AIR DRYERS, CIR NUM IS N39C;

\*\*\* - FOR LEFT SIDE MTD DRAIN VALVES, CIR NUM IS N39;  
FOR RIGHT SIDE MTD DRAIN VALVES, CIR NUM IS N39A;

\*\*\*\* - FOR SINGLE TANK, CIR NUM IS N36;  
FOR DUAL TANKS, CIR NUM IS N36H;

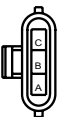
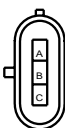
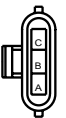
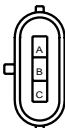
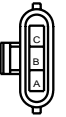
@ - W/ 5TH WHEEL OPTION  
& - W/ COMMUNICATION SYSTEM, AWARE  
% - W/ MXT VEHICLE

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
CNA1	31MAR09	ADDED MXT EFFECTS	D	61817B	U00DLCK	CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
					RELEASE NO.	DATE
					P54634F	14JUN01
						PART NO.
						AE08052376
						SHEET
						059

Figure 265 Connector Composite (9700)

# 3200, 4100, 4200, 4300, 4400, 7300, 7400, 7500, 7600, 7700, 8500, 8600, MXT, RXT Models Built Oct. 1, 2005 to Feb. 28, 2007 — ELECTRICAL CIRCUIT DIAGRAMS

## 12.73. CONNECTOR COMPOSITES (9715/9780), (9715A), (9715B), P. 60

INTERNATIONAL TRUCK AND ENGINE CORPORATION				ELECTRICAL CIRCUIT DIAGRAM CHAPTER 12																																																																																																																																							
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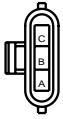
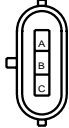
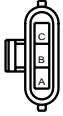
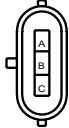
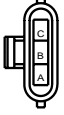
**Figure 266 Connector Composites (9715/9780), (9715A), (9715B)**



**3200, 4100, 4200, 4300, 4400, 7300, 7400, 7500, 7600, 7700, 8500, 8600, MXT, RXT**  
**Models Built Oct. 1, 2005 to Feb. 28, 2007 — ELECTRICAL CIRCUIT DIAGRAMS**




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## 12.74. CONNECTOR COMPOSITES (9716/9779), (9716A), (9716B), P. 61

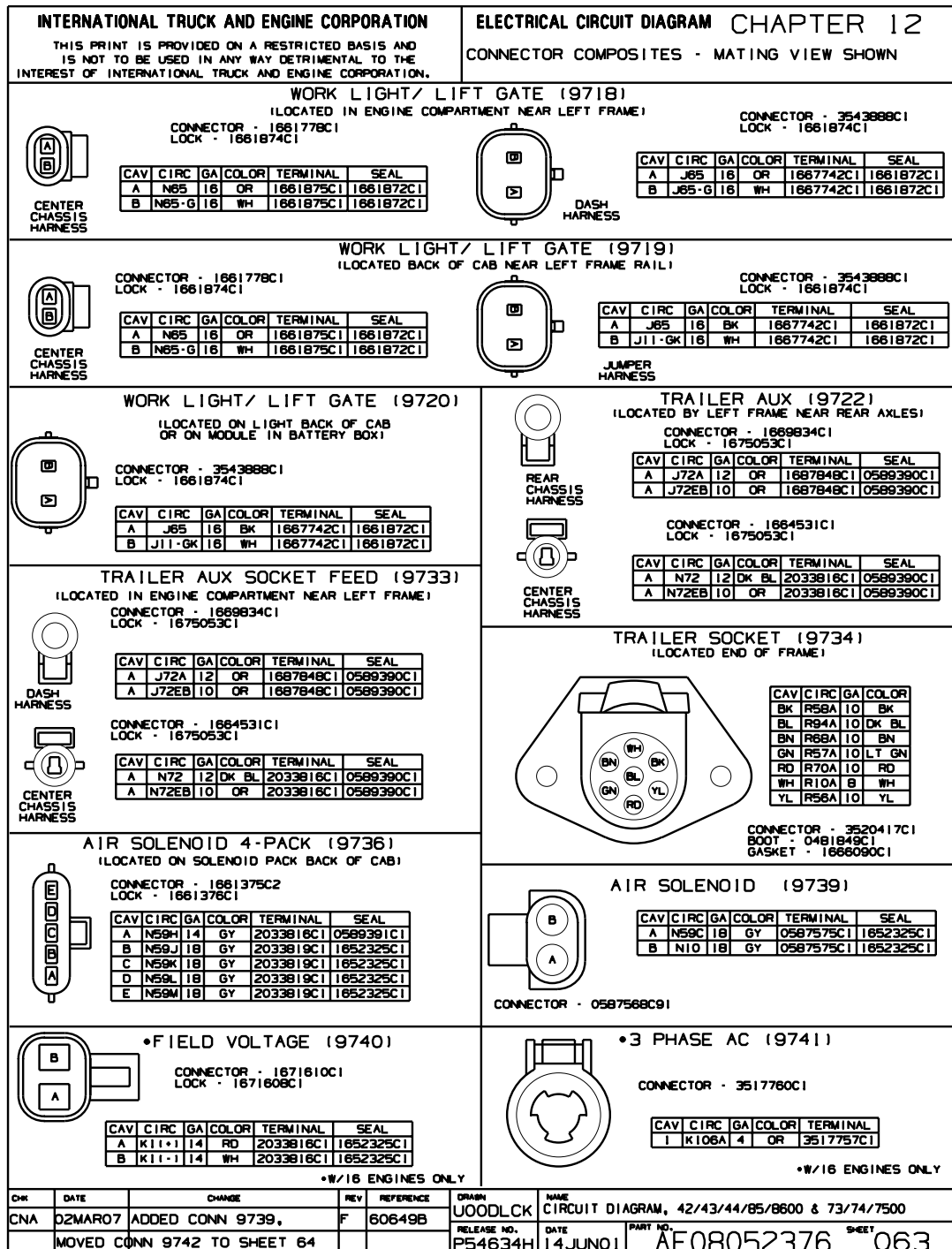
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CNA1	31MAR09	ADDED MXT EFFECTS	C	61817B	U00EDL2	CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500																																													
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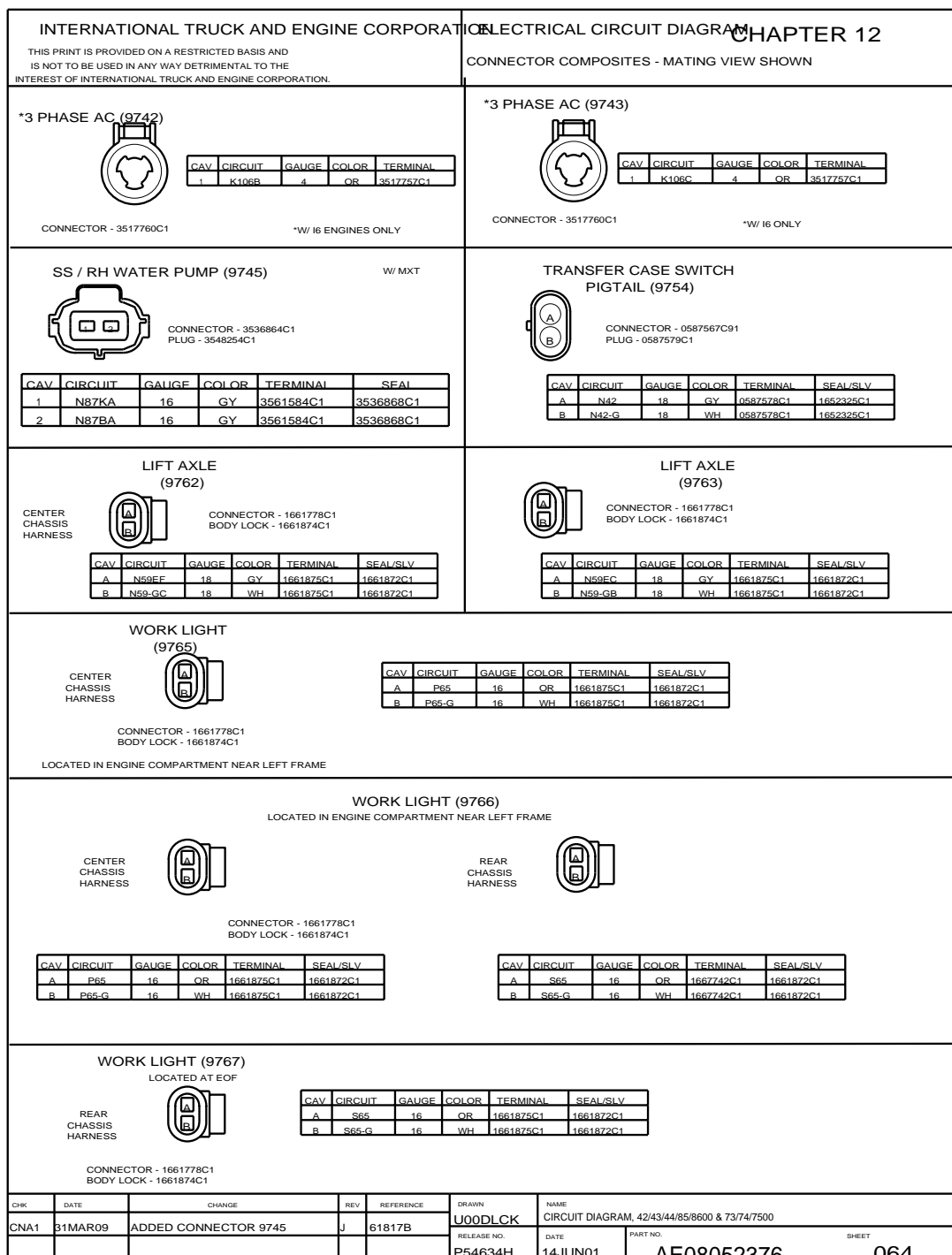
**Figure 267 Connector Composites (9716/9779), (9716A), (9716B)**

**12.75. CONNECTOR COMPOSITES (9717A), (9717B), P. 62**

<b>INTERNATIONAL TRUCK AND ENGINE CORPORATION</b> 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.	<b>ELECTRICAL CIRCUIT DIAGRAM    CHAPTER 12</b> <b>CONNECTOR COMPOSITES - MATING VIEW SHOWN</b>																				
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<b>TRAILER SOCKET GROUND (9717A)</b>																					
CONNECTOR - 3517441C1 	 CONNECTOR - 3517817C1																				
W/EOF OR BOC TRAILER SOCKET OR EOF BODY BUILDER CONNECTOR <table border="1" style="width: 100%; border-collapse: collapse; font-size: 0.8em;"> <tr> <th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>TERM</th></tr> <tr> <td>A</td><td>N10D</td><td>8</td><td>WH</td><td>3517439C1</td></tr> </table>	CAV	CIR	GAUGE	COLOR	TERM	A	N10D	8	WH	3517439C1	W/EOF TRAILER SOCKET <table border="1" style="width: 100%; border-collapse: collapse; font-size: 0.8em;"> <tr> <th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>TERM</th></tr> <tr> <td>A</td><td>R10A</td><td>8</td><td>WH</td><td>3517818C1</td></tr> </table>	CAV	CIR	GAUGE	COLOR	TERM	A	R10A	8	WH	3517818C1
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CNA	11APR05	REMOVED 9718-9763	E	50157D	UOODLCK	42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS															
		ADDED 9717A-9717B			RELEASE NO. P54634F	DATE 14JUN01															
						PART NO. AE08-52376															
						SHEET 62															

**Figure 268 Connector Composites (9717A), (9717B)**




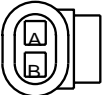
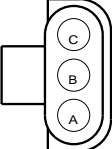
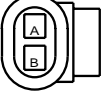
**12.76. CONNECTOR COMPOSITES (9718), (9719), (9720), (9722), (9733), (9734), (9736), (9739), (9740), (9741), P. 63****Figure 269 Connector Composites (9718), (9719), (9720), (9722), (9733), (9734), (9736), (9739), (9740), (9741)**

**12.77. CONNECTOR COMPOSITES (9742), (9743), (9745), (9754), (9762), (9763), (9765), (9766), (9767), P. 64**

**Figure 270 Connector Composites (9742), (9743), (9745), (9754), (9762), (9763), (9765), (9766), (9767)**

**3200, 4100, 4200, 4300, 4400, 7300, 7400, 7500, 7600, 7700, 8500, 8600, MXT, RXT**  
**Models Built Oct. 1, 2005 to Feb. 28, 2007 — ELECTRICAL CIRCUIT DIAGRAMS**















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## 12.78. CONNECTOR COMPOSITES (9777), (9778), P. 65

INTERNATIONAL TRUCK AND ENGINE CORPORATION				ELECTRICAL CIRCUIT DIAGRAM CHAPTER 12																																											
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<p>SAAR (9777)</p> <p>(LOCATED ON FRAME RAIL)</p>  <p>CONNECTOR - 1667741C1 SEAL - 1661872C1</p> <table border="1" style="width: 100%; border-collapse: collapse; font-size: 0.8em;"> <thead> <tr> <th>CAV</th> <th>CIRCUIT</th> <th>GAUGE</th> <th>COLOR</th> <th>TERMINAL</th> <th>SEAL/SLEEVE</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>N44N</td> <td>18</td> <td>GY</td> <td>1661875C1</td> <td>1661872C1</td> </tr> <tr> <td>B</td> <td>N44-GB</td> <td>18</td> <td>WH</td> <td>1661875C1</td> <td>1661872C1</td> </tr> <tr> <td>C</td> <td>N44M</td> <td>18</td> <td>GY</td> <td>1661875C1</td> <td>1661872C1</td> </tr> </tbody> </table>			CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE	A	N44N	18	GY	1661875C1	1661872C1	B	N44-GB	18	WH	1661875C1	1661872C1	C	N44M	18	GY	1661875C1	1661872C1	<p>REMOTE START/STOP BODY BUILDER CONNECTION (9778)</p> <p>(LOCATED ON FRAME RAIL)</p>  <p>CONNECTOR - 0587567C91 SEAL - 1652325C1</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>TERMINAL</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>N59CA</td> <td>16</td> <td>GY</td> <td>0587575C1</td> </tr> <tr> <td>B</td> <td>N104CA</td> <td>16</td> <td>DK BL</td> <td>0587575C1</td> </tr> </tbody> </table>			CAV	CIR	GAUGE	COLOR	TERMINAL	A	N59CA	16	GY	0587575C1	B	N104CA	16	DK BL	0587575C1			
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C	N44M	18	GY	1661875C1	1661872C1																																										
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**Figure 271 Connector Composites (9777), (9778)**

**3200, 4100, 4200, 4300, 4400, 7300, 7400, 7500, 7600, 7700, 8500, 8600, MXT, RXT  
Models Built Oct. 1, 2005 to Feb. 28, 2007 — ELECTRICAL CIRCUIT DIAGRAMS**
**12.79. CONNECTOR COMPOSITES (9870), (9871), (9811), (9812), (9814), (9815), (9830), (9850), (9860), (9865M), (9900), (9900A), (9913A), P. 66**

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 12 CONNECTOR COMPOSITES - MATING VIEW SHOWN																																																	
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<b>SUSPENSION TRANSDUCER (9830)</b>  CONNECTOR - 1678137C1 SEAL - 1661872C1 PLUG - 2025431C1				<b>AIR SUSPENSION SOLENOID (9850)</b> (LOCATED ON LEFT FRAME RAIL NEAR REAR AXLES)  CONNECTOR - 587568C91																																																	
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**Figure 272 Connector Composites (9870), (9871), (9811), (9812), (9814), (9815), (9830), (9850), (9860), (9865M), (9900), (9900A), (9913A)**

## 12.80. CONNECTOR COMPOSITES (9913B), (9914), (9994), (9999), P. 67



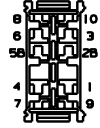

INTERNATIONAL TRUCK AND ENGINE CORPORATION				ELECTRICAL CIRCUIT DIAGRAM CHAPTER 12																																																																																											
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<div style="display: flex; justify-content: space-between; align-items: flex-start;"> <div style="width: 30%;"> <p style="text-align: center;">LECTRASHIFT PTO (9913B) (LOCATED NEAR XMSN)</p>  <p style="text-align: center;">CONNECTOR - 0587570C91</p> </div> <div style="width: 65%;"> <table border="1" style="width: 100%; border-collapse: collapse; font-size: x-small;"> <thead> <tr> <th>CAV</th> <th>CIR</th> <th>GAUGE</th> <th>COLOR</th> <th>TERMINAL</th> <th>SEAL</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>K14LSA</td> <td>18</td> <td>BK</td> <td>0587576C1</td> <td>1652325C1</td> </tr> <tr> <td>B</td> <td>K14LSB</td> <td>18</td> <td>RD</td> <td>0587576C1</td> <td>1652325C1</td> </tr> <tr> <td>C</td> <td>K14LSC</td> <td>12</td> <td>WH</td> <td>1673747C1</td> <td>0589390C1</td> </tr> </tbody> </table> </div> </div>						CAV	CIR	GAUGE	COLOR	TERMINAL	SEAL	A	K14LSA	18	BK	0587576C1	1652325C1	B	K14LSB	18	RD	0587576C1	1652325C1	C	K14LSC	12	WH	1673747C1	0589390C1																																																																		
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<div style="display: flex; justify-content: space-between; align-items: flex-start;"> <div style="width: 30%;"> <p style="text-align: center;">DIODE ASSY (9914) (LOCATED OUTSIDE CAB NEAR ESC)</p>  <p style="text-align: center;">CONNECTOR - 3539777C1</p> </div> <div style="width: 65%;"> <table border="1" style="width: 100%; border-collapse: collapse; font-size: x-small;"> <thead> <tr> <th>CAV</th> <th>CIR</th> <th>GAUGE</th> <th>COLOR</th> <th>TERMINAL</th> <th>NOTES</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>J46C</td> <td>18</td> <td>PL</td> <td>1659751C1</td> <td>W/LECTRASHIFT PTO</td> </tr> <tr> <td>1</td> <td>J104F</td> <td>18</td> <td>DK BL</td> <td>1651969C1</td> <td>W/REMOTE START/STOP</td> </tr> <tr> <td>2</td> <td>J11-GC</td> <td>18</td> <td>GY</td> <td>1651969C1</td> <td>W/LECTRASHIFT PTO</td> </tr> <tr> <td>2</td> <td>J104H</td> <td>18</td> <td>DK BL</td> <td>1651969C1</td> <td>W/REMOTE START/STOP</td> </tr> </tbody> </table> </div> </div>						CAV	CIR	GAUGE	COLOR	TERMINAL	NOTES	1	J46C	18	PL	1659751C1	W/LECTRASHIFT PTO	1	J104F	18	DK BL	1651969C1	W/REMOTE START/STOP	2	J11-GC	18	GY	1651969C1	W/LECTRASHIFT PTO	2	J104H	18	DK BL	1651969C1	W/REMOTE START/STOP																																																												
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<div style="display: flex; justify-content: space-between; align-items: flex-start;"> <div style="width: 30%;"> <p style="text-align: center;">SAFETY VISION MONITOR (9999)</p>  <p style="text-align: center;">CONNECTOR - 3592285C1</p> </div> <div style="width: 65%;"> <table border="1" style="width: 100%; border-collapse: collapse; font-size: x-small;"> <thead> <tr> <th>CAV</th> <th>CIR</th> <th>GAUGE</th> <th>COLOR</th> <th>TERMINAL</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>GB12RD</td> <td>18</td> <td>RD</td> <td>3529315C1</td> </tr> <tr> <td>2</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> </tr> <tr> <td>3</td> <td>GB12BK</td> <td>18</td> <td>LTGN</td> <td>3529315C1</td> </tr> <tr> <td>4</td> <td>GB12-G</td> <td>18</td> <td>BK</td> <td>3529315C1</td> </tr> </tbody> </table> </div> </div>						CAV	CIR	GAUGE	COLOR	TERMINAL	1	GB12RD	18	RD	3529315C1	2	-	-	-	-	3	GB12BK	18	LTGN	3529315C1	4	GB12-G	18	BK	3529315C1																																																																	
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Figure 273 Connector Composites (9913B), (9914), (9994), (9999)

## 12.81. CONNECTOR COMPOSITES (1J), (2J), P. 67A

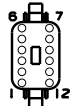
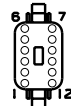
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<p><b>TELEMATICS 2</b> (2J)</p>  <p>CONNECTOR 3601923C1 CONN LOCK 3601925C1</p>				<table border="1" style="width: 100%; border-collapse: collapse; font-size: 0.8em;"> <thead> <tr> <th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>TERMINAL</th></tr> </thead> <tbody> <tr><td>1</td><td>HA3H1(+)</td><td>18</td><td>DKBL</td><td>1680205C1</td></tr> <tr><td>1*</td><td>A98B2(+)</td><td>18</td><td>BK</td><td>1680205C1</td></tr> <tr><td>2</td><td>HA3H1(-)</td><td>18</td><td>GY</td><td>1680205C1</td></tr> <tr><td>2*</td><td>A98B2(-)</td><td>18</td><td>BK</td><td>1680205C1</td></tr> <tr><td>3</td><td>HCPPU</td><td>18</td><td>GY</td><td>1680205C1</td></tr> <tr><td>3*</td><td>A74F</td><td>18</td><td>GY</td><td>1680205C1</td></tr> <tr><td>4</td><td>HCA2</td><td>18</td><td>GY</td><td>1680205C1</td></tr> <tr><td>4*</td><td>A74A2</td><td>18</td><td>GY</td><td>1680205C1</td></tr> <tr><td>5</td><td>HCA4</td><td>18</td><td>GY</td><td>1680205C1</td></tr> <tr><td>5*</td><td>A74D</td><td>18</td><td>GY</td><td>1680205C1</td></tr> <tr><td>6</td><td>HBA6</td><td>18</td><td>GY</td><td>1680205C1</td></tr> <tr><td>6*</td><td>A74B</td><td>18</td><td>GY</td><td>1680205C1</td></tr> <tr><td>7</td><td>HCA5</td><td>18</td><td>GY</td><td>1680205C1</td></tr> <tr><td>7*</td><td>A74E</td><td>18</td><td>GY</td><td>1680205C1</td></tr> <tr><td>8</td><td>HCA3</td><td>18</td><td>GY</td><td>1680205C1</td></tr> <tr><td>8*</td><td>A74A3</td><td>16</td><td>GY</td><td>1680205C1</td></tr> <tr><td>9</td><td>HCA1</td><td>18</td><td>GY</td><td>1680205C1</td></tr> <tr><td>9*</td><td>A36A</td><td>18</td><td>TN</td><td>1680205C1</td></tr> <tr><td>10</td><td>HC11-G</td><td>18</td><td>GY</td><td>1680205C1</td></tr> <tr><td>10*</td><td>A11-GD</td><td>18</td><td>GY</td><td>1680205C1</td></tr> <tr><td>11</td><td>PLUG</td><td>-</td><td>-</td><td>0453133C1</td></tr> <tr><td>12</td><td>PLUG</td><td>-</td><td>-</td><td>0453133C1</td></tr> </tbody> </table> <p style="text-align: center;">• W/ COMMUNICATIONS SYSTEM, AWARE</p>		CAV	CIR	GAUGE	COLOR	TERMINAL	1	HA3H1(+)	18	DKBL	1680205C1	1*	A98B2(+)	18	BK	1680205C1	2	HA3H1(-)	18	GY	1680205C1	2*	A98B2(-)	18	BK	1680205C1	3	HCPPU	18	GY	1680205C1	3*	A74F	18	GY	1680205C1	4	HCA2	18	GY	1680205C1	4*	A74A2	18	GY	1680205C1	5	HCA4	18	GY	1680205C1	5*	A74D	18	GY	1680205C1	6	HBA6	18	GY	1680205C1	6*	A74B	18	GY	1680205C1	7	HCA5	18	GY	1680205C1	7*	A74E	18	GY	1680205C1	8	HCA3	18	GY	1680205C1	8*	A74A3	16	GY	1680205C1	9	HCA1	18	GY	1680205C1	9*	A36A	18	TN	1680205C1	10	HC11-G	18	GY	1680205C1	10*	A11-GD	18	GY	1680205C1	11	PLUG	-	-	0453133C1	12	PLUG	-	-	0453133C1										
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CNA	29MAR07	INITIAL RELEASE	A	60650P	MJV0088	CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500																																																																																																																												
					RELEASE NO. 60650P	DATE 12MAR07    PART NO. AE08052376    SHEET 67A																																																																																																																												


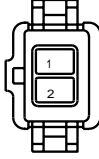


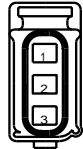

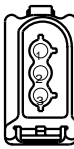

Figure 274 Connector Composites (1J), (2J)



**3200, 4100, 4200, 4300, 4400, 7300, 7400, 7500, 7600, 7700, 8500, 8600, MXT, RXT  
Models Built Oct. 1, 2005 to Feb. 28, 2007 — ELECTRICAL CIRCUIT DIAGRAMS**

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**12.82. CONNECTOR COMPOSITES (9988), (9989), (9990), (9991), (9992), (9993), (9995), (9996), P. 68**

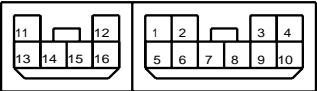
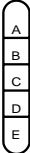
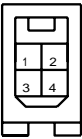

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<p>FLARE LAMP (LEFT AMBER) (9988)</p>  <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr> <th>CAV</th> <th>CIR</th> <th>GAUGE</th> <th>COLOR</th> <th>TERMINAL</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>R10-G</td> <td>18</td> <td>WH</td> <td>*XL3T-14474-EA</td> </tr> <tr> <td>2</td> <td>R68</td> <td>18</td> <td>BN</td> <td>*XL3T-14474-EA</td> </tr> </tbody> </table> <p style="text-align: center; font-size: 8px;">*F6AB-14A464-GA</p>				CAV	CIR	GAUGE	COLOR	TERMINAL	1	R10-G	18	WH	*XL3T-14474-EA	2	R68	18	BN	*XL3T-14474-EA	<p>FLARE LAMP RIGHT AMBER (9989)</p>  <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>TERMINAL</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>R10-G</td> <td>18</td> <td>WH</td> <td>*XL3T-14474-AEA</td> </tr> <tr> <td>2</td> <td>R68</td> <td>18</td> <td>BN</td> <td>*XL3T-14474-AEA</td> </tr> </tbody> </table> <p style="text-align: center; font-size: 8px;">*F6AB-14A464-GA</p>				CAV	CIR	GAUGE	COLOR	TERMINAL	1	R10-G	18	WH	*XL3T-14474-AEA	2	R68	18	BN	*XL3T-14474-AEA										
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<p>FLARE LAMP (LEFT RED) (9990)</p>  <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>TERMINAL</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>R10-G</td> <td>18</td> <td>WH</td> <td>*XL3T-14474-EAE</td> </tr> <tr> <td>2</td> <td>R68</td> <td>18</td> <td>BN</td> <td>*XL3T-14474-EAE</td> </tr> </tbody> </table> <p style="text-align: center; font-size: 8px;">*F6AB-14A464-GA</p>				CAV	CIR	GAUGE	COLOR	TERMINAL	1	R10-G	18	WH	*XL3T-14474-EAE	2	R68	18	BN	*XL3T-14474-EAE	<p>FLARE LAMP (RIGHT RED) (9991)</p>  <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>TERMINAL</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>R10-G</td> <td>18</td> <td>WH</td> <td>*XL3T-14474-EAE</td> </tr> <tr> <td>2</td> <td>R68</td> <td>18</td> <td>BN</td> <td>*XL3T-14474-EAE</td> </tr> </tbody> </table> <p style="text-align: center; font-size: 8px;">*F6AB-14A464-GA</p>				CAV	CIR	GAUGE	COLOR	TERMINAL	1	R10-G	18	WH	*XL3T-14474-EAE	2	R68	18	BN	*XL3T-14474-EAE										
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<p>LEFT TAIL TURN / STOP LAMP (9992)</p>  <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>TERMINAL</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>R10-G</td> <td>18</td> <td>WH</td> <td>*97BG-14474-AEA</td> </tr> <tr> <td>2</td> <td>R68</td> <td>18</td> <td>BN</td> <td>-</td> </tr> <tr> <td>3</td> <td>R56</td> <td>14</td> <td>OR</td> <td>*97BG-14474-AEA</td> </tr> </tbody> </table> <p style="text-align: center; font-size: 8px;">*ZFJ-00703-UA</p>				CAV	CIR	GAUGE	COLOR	TERMINAL	1	R10-G	18	WH	*97BG-14474-AEA	2	R68	18	BN	-	3	R56	14	OR	*97BG-14474-AEA	<p>RIGHT TAIL TURN / STOP LAMP (9993)</p>  <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>TERMINAL</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>R10-G</td> <td>18</td> <td>WH</td> <td>*97BG-14474-AEA</td> </tr> <tr> <td>2</td> <td>R68</td> <td>18</td> <td>BN</td> <td>-</td> </tr> <tr> <td>3</td> <td>R57</td> <td>14</td> <td>OR</td> <td>*97BG-14474-AEA</td> </tr> </tbody> </table> <p style="text-align: center; font-size: 8px;">*ZFJ-00703-UA</p>				CAV	CIR	GAUGE	COLOR	TERMINAL	1	R10-G	18	WH	*97BG-14474-AEA	2	R68	18	BN	-	3	R57	14	OR	*97BG-14474-AEA
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<p>BACKUP LAMP (9995)</p>  <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>TERMINAL</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>R10-G</td> <td>18</td> <td>WH</td> <td>*97BG-14474-AEA</td> </tr> <tr> <td>2</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> </tr> <tr> <td>3</td> <td>R71</td> <td>18</td> <td>OR</td> <td>*97BG-14474-AEA</td> </tr> </tbody> </table> <p style="text-align: center; font-size: 8px;">*ZFJ-00702-UA</p>				CAV	CIR	GAUGE	COLOR	TERMINAL	1	R10-G	18	WH	*97BG-14474-AEA	2	-	-	-	-	3	R71	18	OR	*97BG-14474-AEA	<p>BACKUP LAMP (9996)</p>  <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>TERMINAL</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>R10-G</td> <td>18</td> <td>WH</td> <td>*97BG-14474-AEA</td> </tr> <tr> <td>2</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> </tr> <tr> <td>3</td> <td>R71</td> <td>18</td> <td>OR</td> <td>*97BG-14474-AEA</td> </tr> </tbody> </table> <p style="text-align: center; font-size: 8px;">*ZFJ-00702-UA</p>				CAV	CIR	GAUGE	COLOR	TERMINAL	1	R10-G	18	WH	*97BG-14474-AEA	2	-	-	-	-	3	R71	18	OR	*97BG-14474-AEA
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NOTE - \* INDICATES PARTS TO BE GIVEN BY SUPPLIER

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
					UQQAXPC	42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS
					RELEASE NO.	PART NO.
					59918L	AF08-52376
					DATE	SHEET
					22DEC05	68

**Figure 275 Connector Composites (9988), (9989), (9990), (9991), (9992), (9993), (9995), (9996)**

**12.83. CONNECTOR COMPOSITES (1936), (1937), (1938), (1940), P. 69**

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<div style="text-align: center;"><p>ECLIPSE AVN50D CONNECTOR (1936)</p></div> <p style="text-align: center; margin-top: 10px;">*AVN5435-CN20</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></tr></thead><tbody><tr><td>1</td><td>-</td><td>-</td><td>-</td></tr><tr><td>2</td><td>-</td><td>-</td><td>-</td></tr><tr><td>3</td><td>A86</td><td>18</td><td>LTGN</td></tr><tr><td>4</td><td>A86A</td><td>18</td><td>LTGN</td></tr><tr><td>5</td><td>-</td><td>-</td><td>-</td></tr><tr><td>6</td><td>-</td><td>-</td><td>-</td></tr><tr><td>7</td><td>A86-G</td><td>20</td><td>WH</td></tr><tr><td>8</td><td>-</td><td>-</td><td>-</td></tr><tr><td>9</td><td>A86AX</td><td>18</td><td>BLWH</td></tr><tr><td>10</td><td>A62E</td><td>20</td><td>DKBL</td></tr><tr><td>11</td><td>-</td><td>-</td><td>-</td></tr><tr><td>12</td><td>-</td><td>-</td><td>-</td></tr><tr><td>13</td><td>-</td><td>-</td><td>-</td></tr><tr><td>14</td><td>-</td><td>-</td><td>-</td></tr><tr><td>15</td><td>-</td><td>-</td><td>-</td></tr><tr><td>16</td><td>-</td><td>-</td><td>-</td></tr></tbody></table>				CAV	CIR	GAUGE	COLOR	1	-	-	-	2	-	-	-	3	A86	18	LTGN	4	A86A	18	LTGN	5	-	-	-	6	-	-	-	7	A86-G	20	WH	8	-	-	-	9	A86AX	18	BLWH	10	A62E	20	DKBL	11	-	-	-	12	-	-	-	13	-	-	-	14	-	-	-	15	-	-	-	16	-	-	-																																																									
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**Figure 276 Connector Composites (1936), (1937), (1938), (1940)**

## 12.84. CONNECTOR COMPOSITES (1943), (1944), (1949), (1997), P. 70

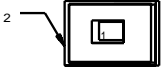
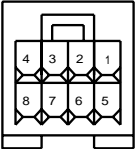
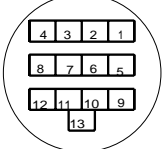
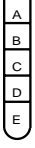
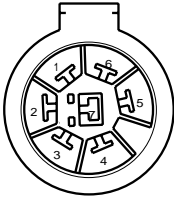
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<div style="display: flex; justify-content: space-between; align-items: flex-start;"> <div style="width: 30%;"> <p style="text-align: center;">ECLIPSE AVN50D CONNECTOR GPS ANTENNA (1943)</p>  <p style="text-align: center;">*AVN5435-GPS</p> </div> <div style="width: 65%;"> <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> </tr> </thead> <tbody> <tr> <td>1</td> <td>SIGNAL</td> <td>22</td> <td>NONE</td> </tr> <tr> <td>2</td> <td>GROUND</td> <td>22</td> <td>NONE</td> </tr> </tbody> </table> </div> </div>						CAV	CIR	GAUGE	COLOR	1	SIGNAL	22	NONE	2	GROUND	22	NONE																																																										
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Figure 277 Connector Composites (1943), (1944), (1949), (1997)

**12.85. CONNECTOR COMPOSITE (9998), P. 71**

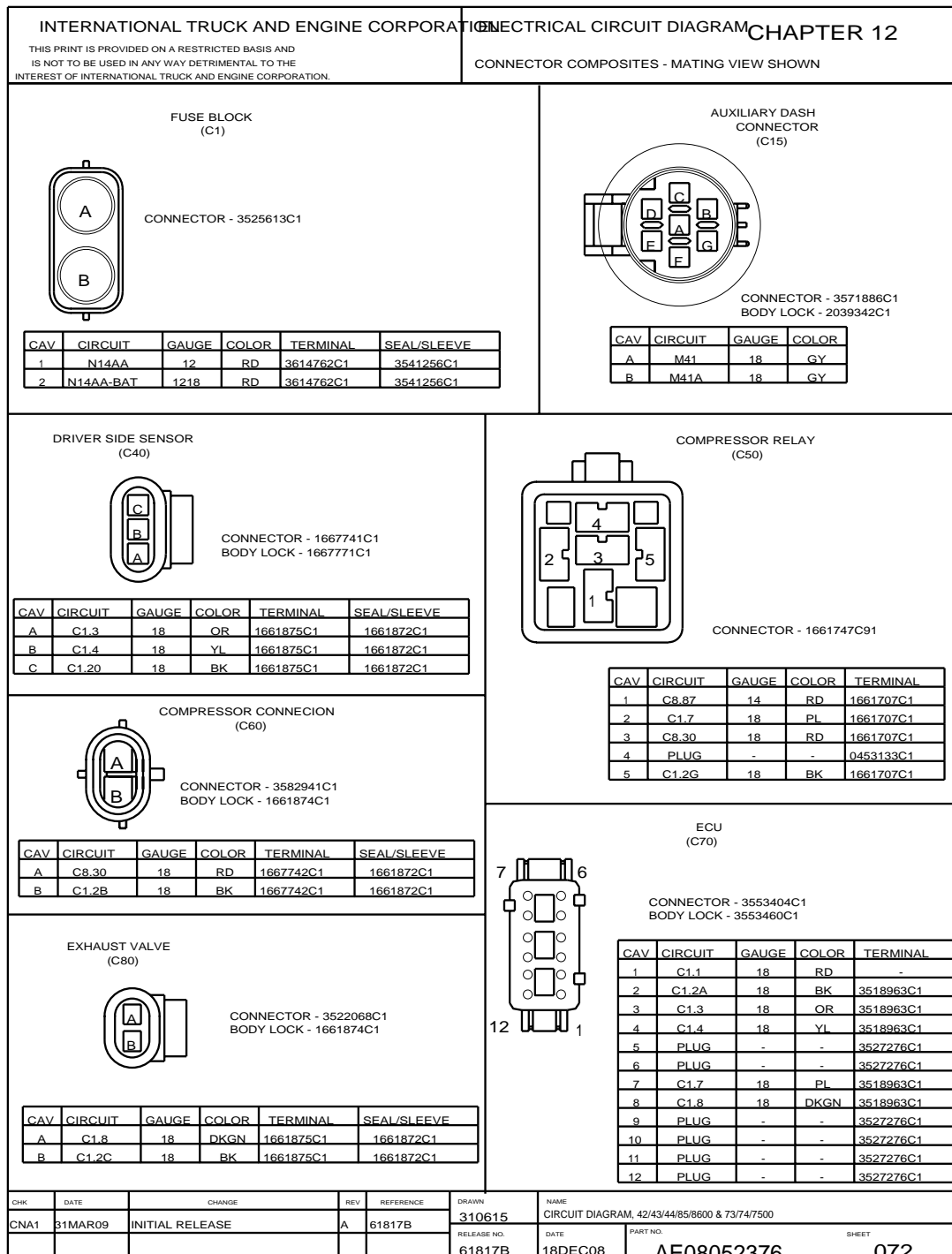
<p>INTERNATIONAL TRUCK AND ENGINE CORPORATION</p> <p><small>THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF INTERNATIONAL TRUCK AND ENGINE CORPORATION.</small></p>	<p><b>ELECTRICAL CIRCUIT DIAGRAM CHAPTER 12</b></p> <p>CONNECTOR COMPOSITES - MATING VIEW SHOWN</p>																																
<div style="display: flex; justify-content: space-around; align-items: flex-start;"><div style="text-align: center;"><p>INLINE TO POLLAK RV STYLE TRAILER SOCKET (9998)</p></div><div><table border="1" style="border-collapse: collapse; text-align: center;"><thead><tr><th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th></tr></thead><tbody><tr><td>1</td><td>N56BC</td><td>14</td><td>OR</td></tr><tr><td>2</td><td>R10</td><td>10</td><td>WH</td></tr><tr><td>3</td><td>R94</td><td>12</td><td>DKBL</td></tr><tr><td>4</td><td>N57BC</td><td>14</td><td>OR</td></tr><tr><td>5</td><td>N12BB</td><td>12</td><td>LTBL</td></tr><tr><td>6</td><td>R68</td><td>12</td><td>BN</td></tr><tr><td>7</td><td>N71BB</td><td>14</td><td>OR</td></tr></tbody></table></div></div> <div style="margin-top: 20px;"><p>*CONNECTOR - 3807576C91</p><p>NOTE: 1.* INDICATES PART TO BE GIVEN BY SUPPLIER</p></div>		CAV	CIR	GAUGE	COLOR	1	N56BC	14	OR	2	R10	10	WH	3	R94	12	DKBL	4	N57BC	14	OR	5	N12BB	12	LTBL	6	R68	12	BN	7	N71BB	14	OR
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**Figure 278 Connector Composite (9998)**

**3200, 4100, 4200, 4300, 4400, 7300, 7400, 7500, 7600, 7700, 8500, 8600, MXT, RXT**  
**Models Built Oct. 1, 2005 to Feb. 28, 2007 — ELECTRICAL CIRCUIT DIAGRAMS**

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**12.86. CONNECTOR COMPOSITES (C1), (C15), (C40), (C50), (C60), (C70), (C80), P. 72**



**Figure 279 Connector Composites (C1), (C15), (C40), (C50), (C60), (C70), (C80)**