

## 12. CONNECTOR COMPOSITES (CHAPTER 12)

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

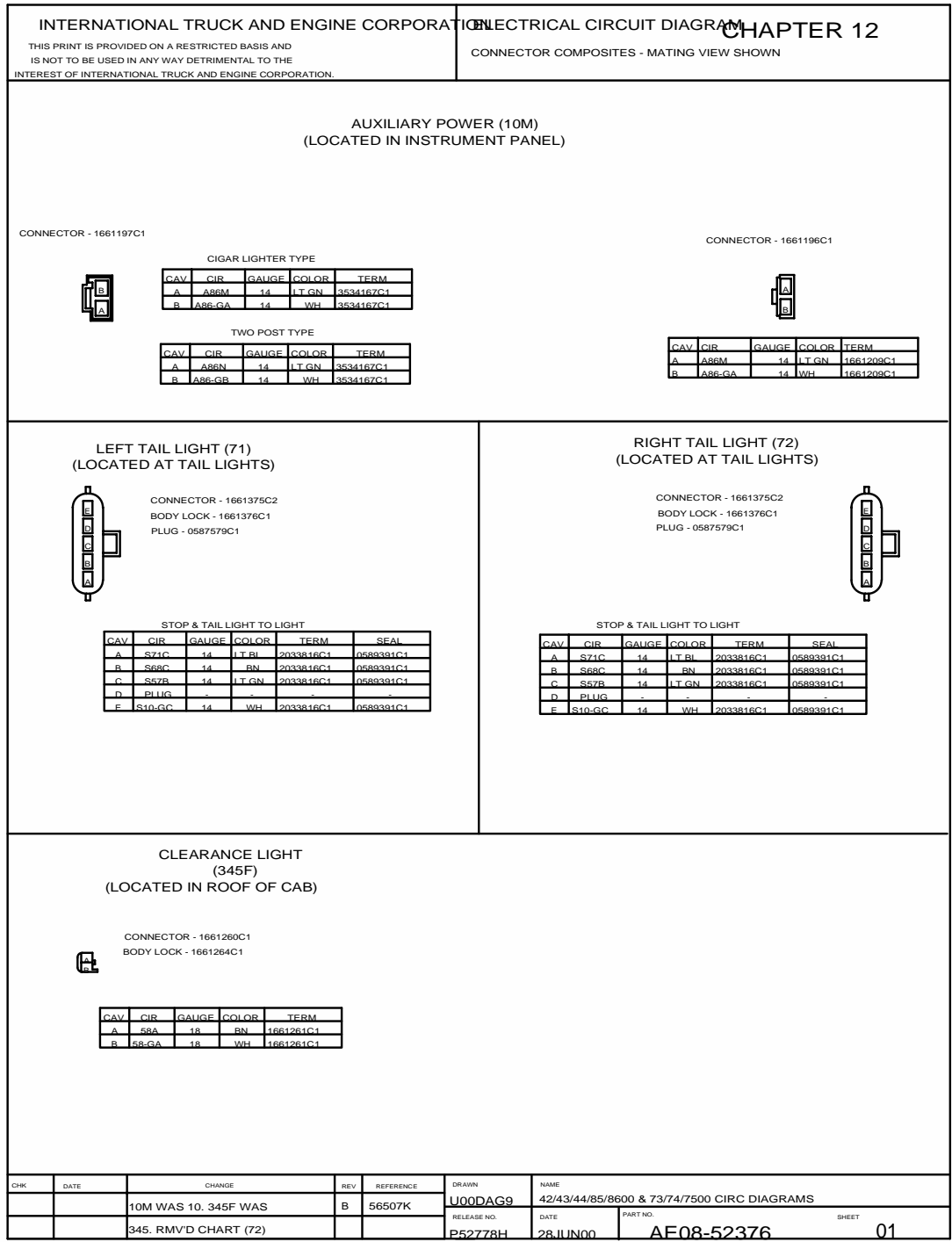









Figure 116 Connector Composites (10M), (71), (72), (345F)

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

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 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%; 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>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>F</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>G</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>H</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>I</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>J</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>K</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> <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>A174</td><td>18</td><td>PK</td><td>3517243C1</td></tr> <tr><td>P</td><td>A143D</td><td>18</td><td>GV</td><td>3517243C1</td></tr> <tr><td>R</td><td>A136D</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>A62I</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	F	-	-	-	-	G	-	-	-	-	H	-	-	-	-	I	-	-	-	-	J	-	-	-	-	K	-	-	-	-	L	-	-	-	-	M	A175	18	LT GN	3517243C1	N	A174	18	PK	3517243C1	P	A143D	18	GV	3517243C1	R	A136D	18	PK	3517243C1	S	A180	18	DK BL	3517243C1	T	A186	18	DK BL	3517243C1	U	A62I	18	DK BL	3517243C1	V	A188	18	DK BL	3517243C1	<p style="text-align: center;"><b>SHIFTER (420M)</b> (LOCATED IN INSTRUMENT PANEL)</p> <p>CONNECTOR - 3525872C1 BODY LOCK - 3525873C1 PLUG - 2025431C1</p>  <table border="1" style="font-size: 8px; 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>PLUG</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>B</td><td>A62-GC</td><td>18</td><td>WH</td><td>1661872C1</td><td>1661872C1</td></tr> <tr><td>C</td><td>A92/A</td><td>18</td><td>PK</td><td>1661872C1</td><td>1661872C1</td></tr> <tr><td>D</td><td>A28D</td><td>18</td><td>YL</td><td>1661872C1</td><td>1661872C1</td></tr> <tr><td>E</td><td>A123</td><td>18</td><td>PK</td><td>1661872C1</td><td>1661872C1</td></tr> <tr><td>F</td><td>A110</td><td>18</td><td>YL</td><td>1661872C1</td><td>1661872C1</td></tr> <tr><td>G</td><td>A92AE</td><td>18</td><td>TN</td><td>1661872C1</td><td>1661872C1</td></tr> <tr><td>H</td><td>A92AG</td><td>18</td><td>TN</td><td>1661872C1</td><td>1661872C1</td></tr> </tbody> </table>				CAV	CIR	GAUGE	COLOR	TERM	SEAL	A	PLUG	-	-	-	-	B	A62-GC	18	WH	1661872C1	1661872C1	C	A92/A	18	PK	1661872C1	1661872C1	D	A28D	18	YL	1661872C1	1661872C1	E	A123	18	PK	1661872C1	1661872C1	F	A110	18	YL	1661872C1	1661872C1	G	A92AE	18	TN	1661872C1	1661872C1	H	A92AG	18	TN	1661872C1	1661872C1
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CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
		REF 420F WAS 420A	B	56507K	U00DAG9	42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS
		REF 420M WAS 420B			P52778H	DATE: 31MAY00 PART NO: AF08-52376 SHEET: 02

Figure 117 Connector Composites (420F), (420M), (520), (521), (522), (523), (524)

12.3. CONNECTOR COMPOSITES (1002), (1003), (1010), P. 3

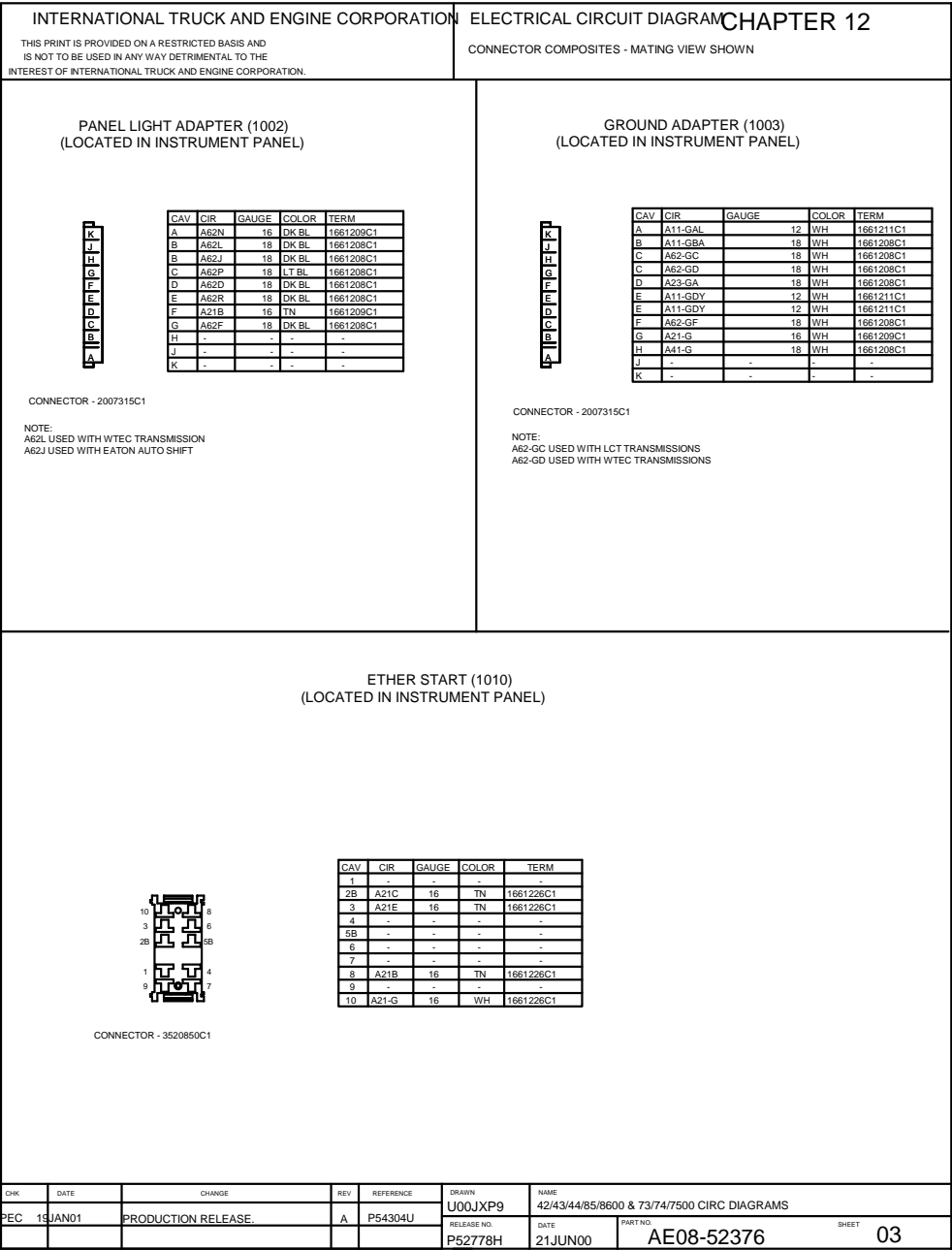
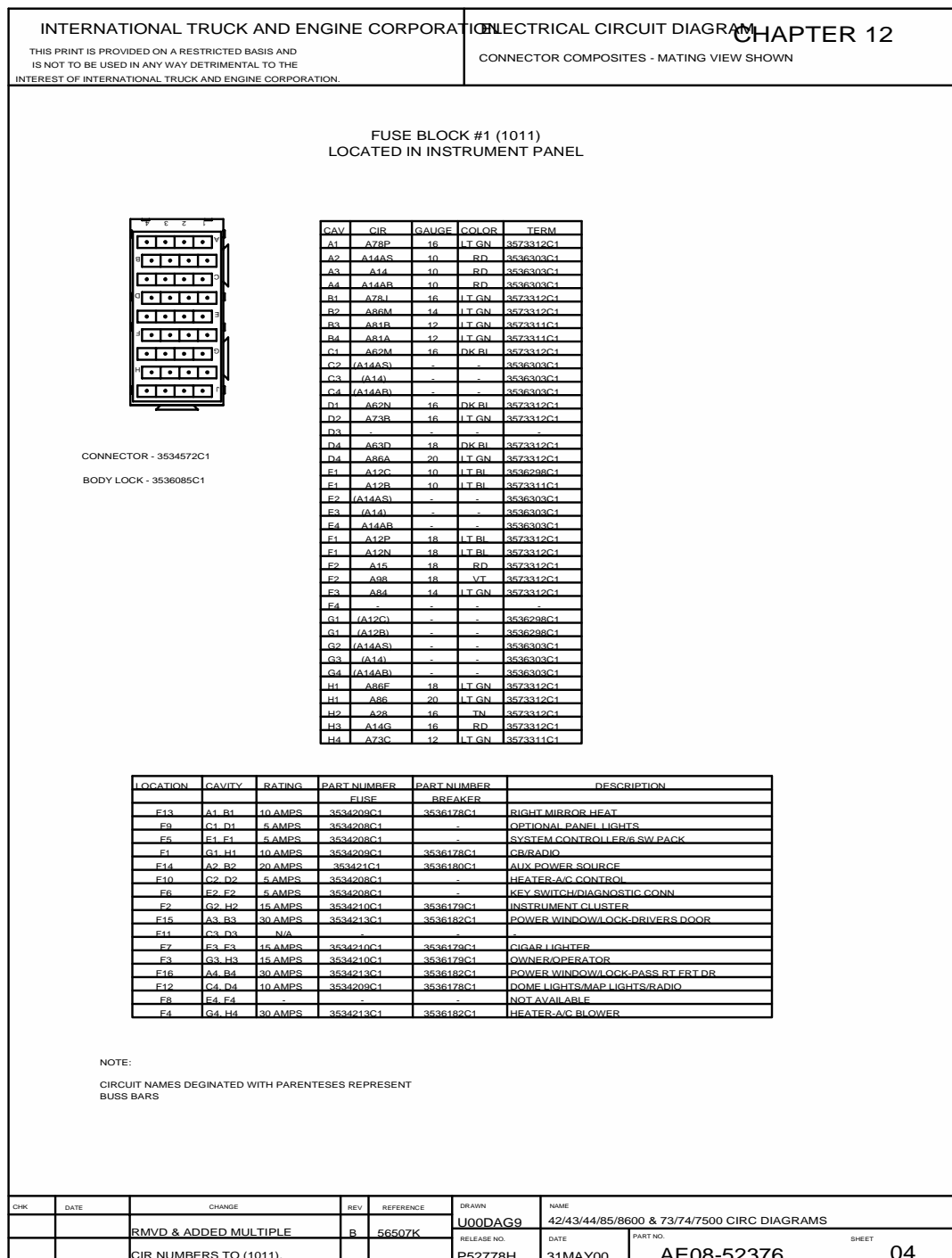


Figure 118 Connector Composites (1002), (1003), (1010)

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

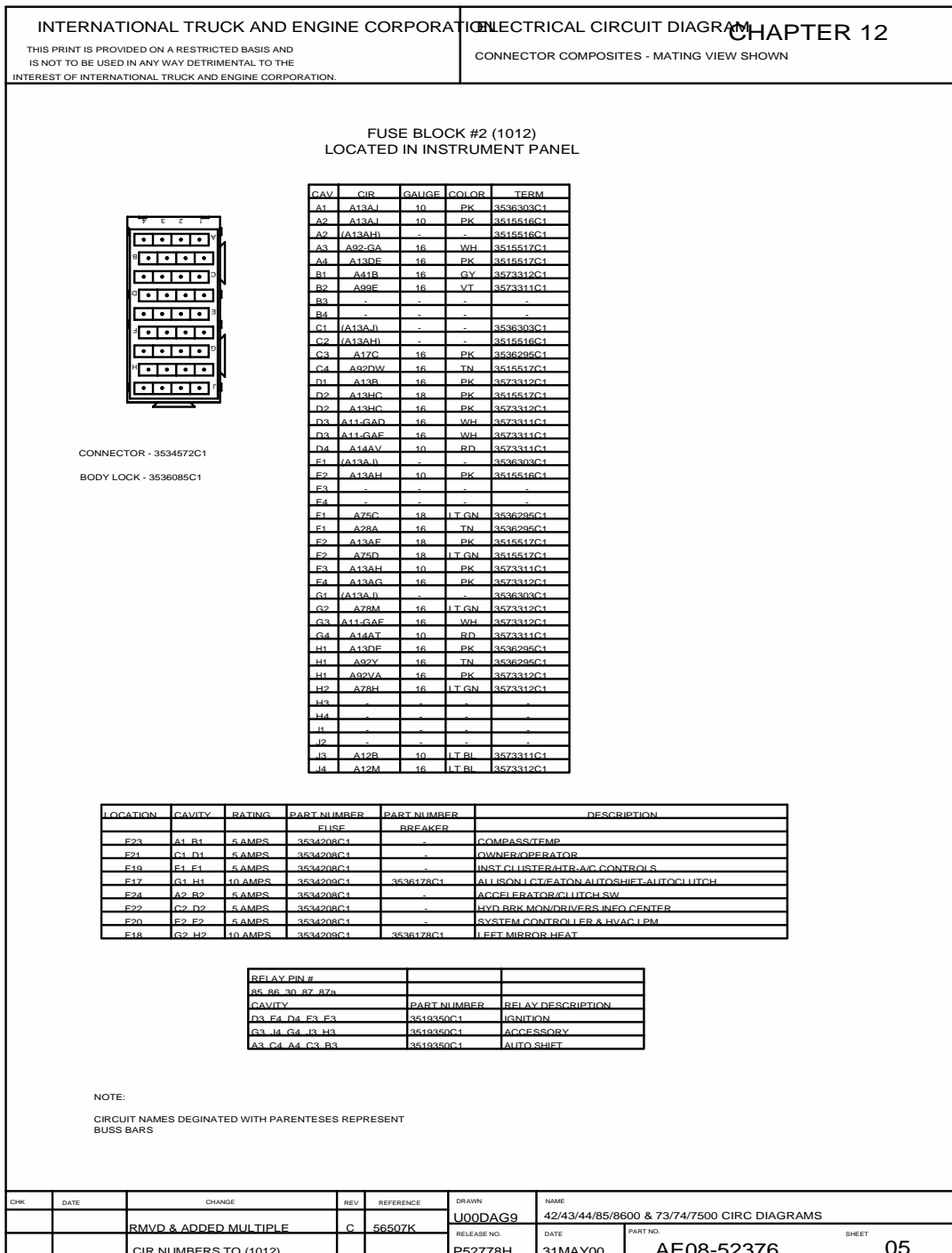


CHK	DATE	CHANGE	REV	REFERENCE
		RMVD & ADDED MULTIPLE	B	56507K
		CIR NUMBERS TO (1011)		

DRAWN		NAME	
U00DAG9		42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS	
RELEASE NO.	DATE	PART NO.	SHEET
P52778H	31MAY00	AF08-52376	04

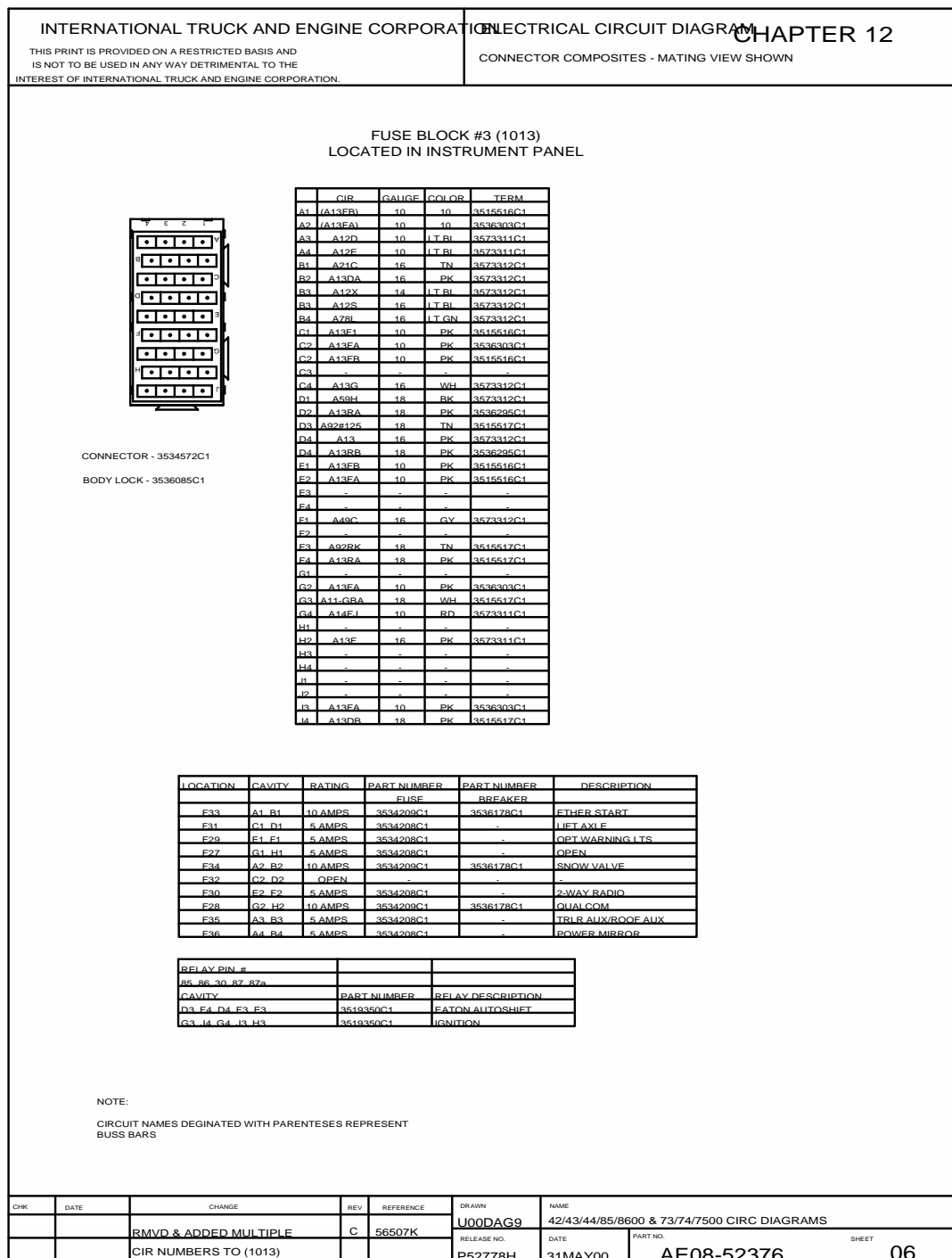
Figure 119 Connector Composite (1011)

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



**Figure 120 Connector Composite (1012)**

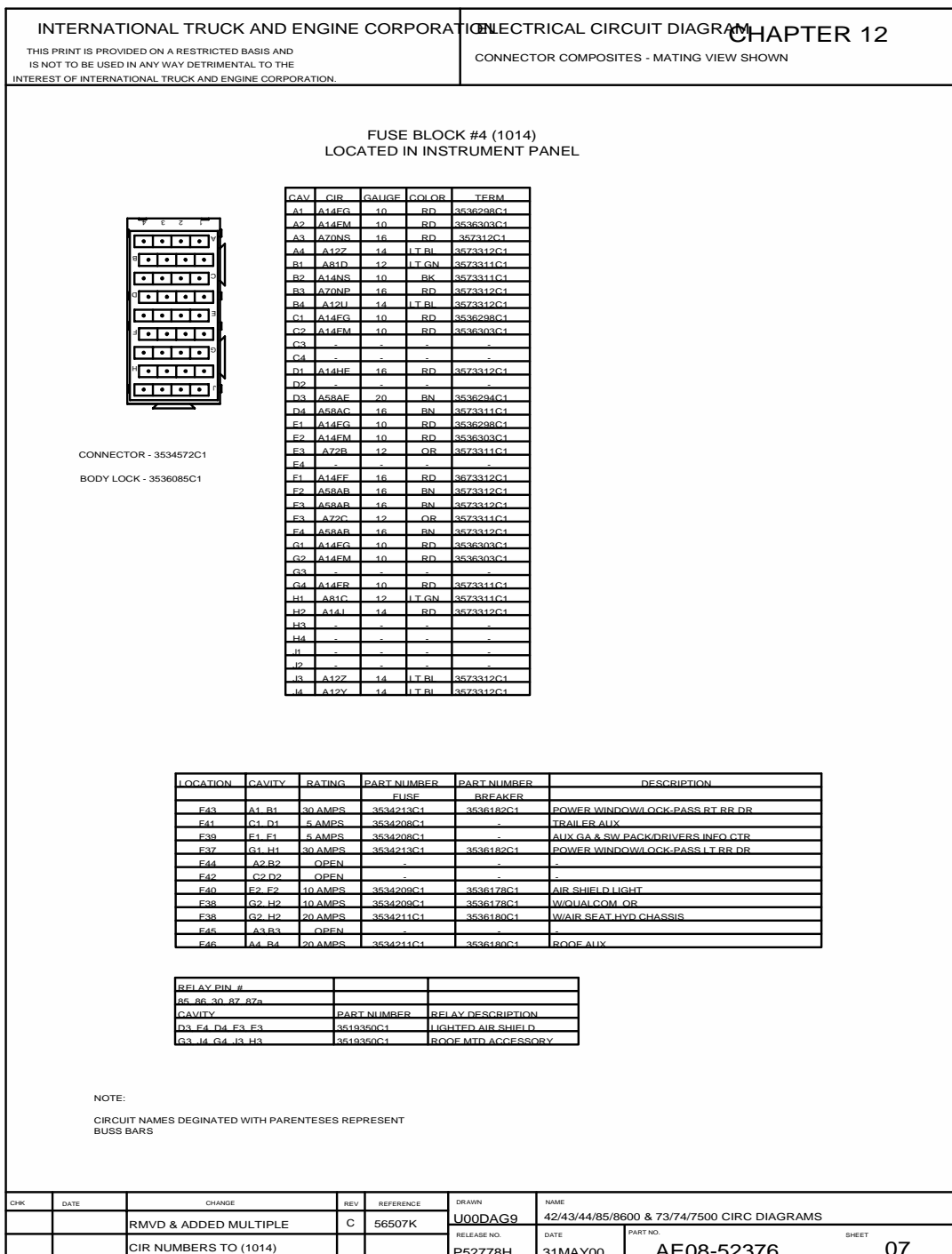
## 12.6. CONNECTOR COMPOSITE (1013), P. 6



CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
		RMVD & ADDED MULTIPLE	C	56507K	U00DAG9	42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS
		CIR NUMBERS TO (1013)			P52778H	31MAY00 AF08-52376 06

Figure 121 Connector Composite (1013)

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



**Figure 122 Connector Composite (1014)**

## 12.8. CONNECTOR COMPOSITES (1018), (1019M), (1020M), (1021M), (1022M), P. 8

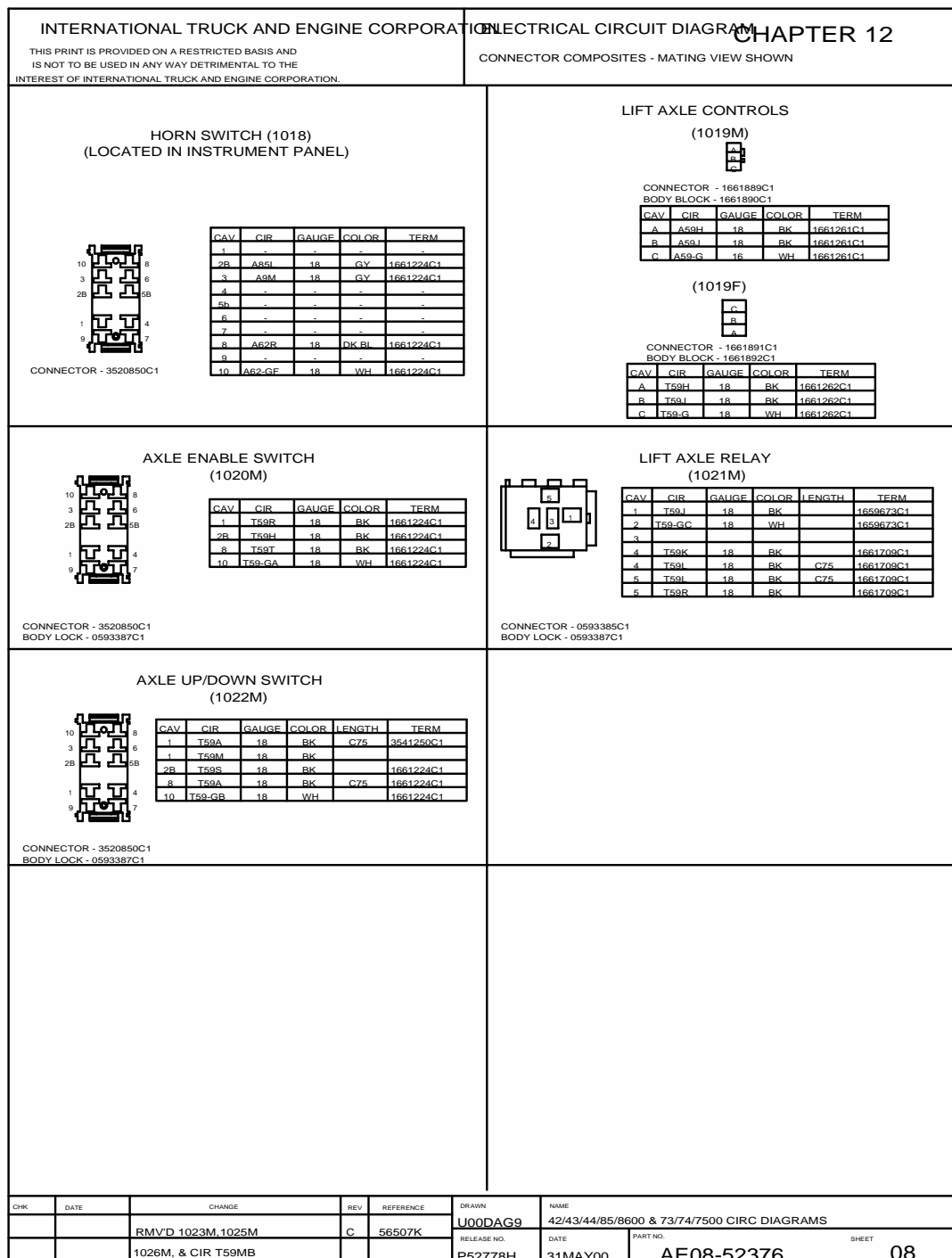


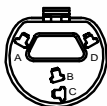






Figure 123 Connector Composites (1018), (1019M), (1020M), (1021M), (1022M)



## 12.9. CONNECTOR COMPOSITES (1027M, F), (1100), (1101A), (1101), (1102), P. 9

INTERNATIONAL TRUCK AND ENGINE CORPORATION <small>THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF INTERNATIONAL TRUCK AND ENGINE CORPORATION.</small>		<b>ELECTRICAL CIRCUIT DIAGRAM</b> <b>CHAPTER 12</b> CONNECTOR COMPOSITES - MATING VIEW SHOWN																																														
<b>CHASSIS CONN (LIFT AXLE)</b>																																																
<div style="text-align: center;">  <p>(1027M)</p> </div> <p>CONNECTOR - 1667305C1 BODY LOCK - 1661263C1</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>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>		CAV	CIR	GAUGE	COLOR	TERM	A	T59MB	18	BK	1661261C1	B	-	-	-	-	C	-	-	-	-	D	-	-	-	-	<div style="text-align: center;">  <p>(1027F)</p> </div> <p>CONNECTOR - 0475081C1</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>T59M</td> <td>18</td> <td>BK</td> <td>0241117B1</td> </tr> </tbody> </table>		CAV	CIR	GAUGE	COLOR	TERM	A	T59M	18	BK	0241117B1										
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<div style="text-align: center;">  </div> <p>CONNECTOR - 3546518C1 BODY LOCK - 3546519C1</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>A15</td> <td>18</td> <td>BD</td> <td>1661209C1</td> </tr> <tr> <td>B</td> <td>A17</td> <td>18</td> <td>PK</td> <td>1661209C1</td> </tr> <tr> <td>C</td> <td>A12AB</td> <td>18</td> <td>LT BL</td> <td>1661209C1</td> </tr> <tr> <td>D</td> <td>A13DH</td> <td>18</td> <td>PK</td> <td>1661209C1</td> </tr> </tbody> </table>		CAV	CIR	GAUGE	COLOR	TERM	A	A15	18	BD	1661209C1	B	A17	18	PK	1661209C1	C	A12AB	18	LT BL	1661209C1	D	A13DH	18	PK	1661209C1	<div style="text-align: center;">  </div> <p>CONNECTOR - 2031872C1 BODY LOCK - 2031874C1</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>A11-GJ</td> <td>18</td> <td>WH</td> <td>1661262C1</td> </tr> <tr> <td>B</td> <td>A12FC</td> <td>18</td> <td>LT BL</td> <td>1661262C1</td> </tr> <tr> <td>C</td> <td>A62S</td> <td>18</td> <td>DK BL</td> <td>1661262C1</td> </tr> </tbody> </table>		CAV	CIR	GAUGE	COLOR	TERM	A	A11-GJ	18	WH	1661262C1	B	A12FC	18	LT BL	1661262C1	C	A62S	18	DK BL	1661262C1
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PART NO. <b>AE08-52376</b> SHEET <b>09</b>																																																

**Figure 124 Connector Composites (1027M, F), (1100), (1101A), (1101), (1102)**

## 12.10. CONNECTOR COMPOSITES (1104), (1106), (1200), (1210), P. 10

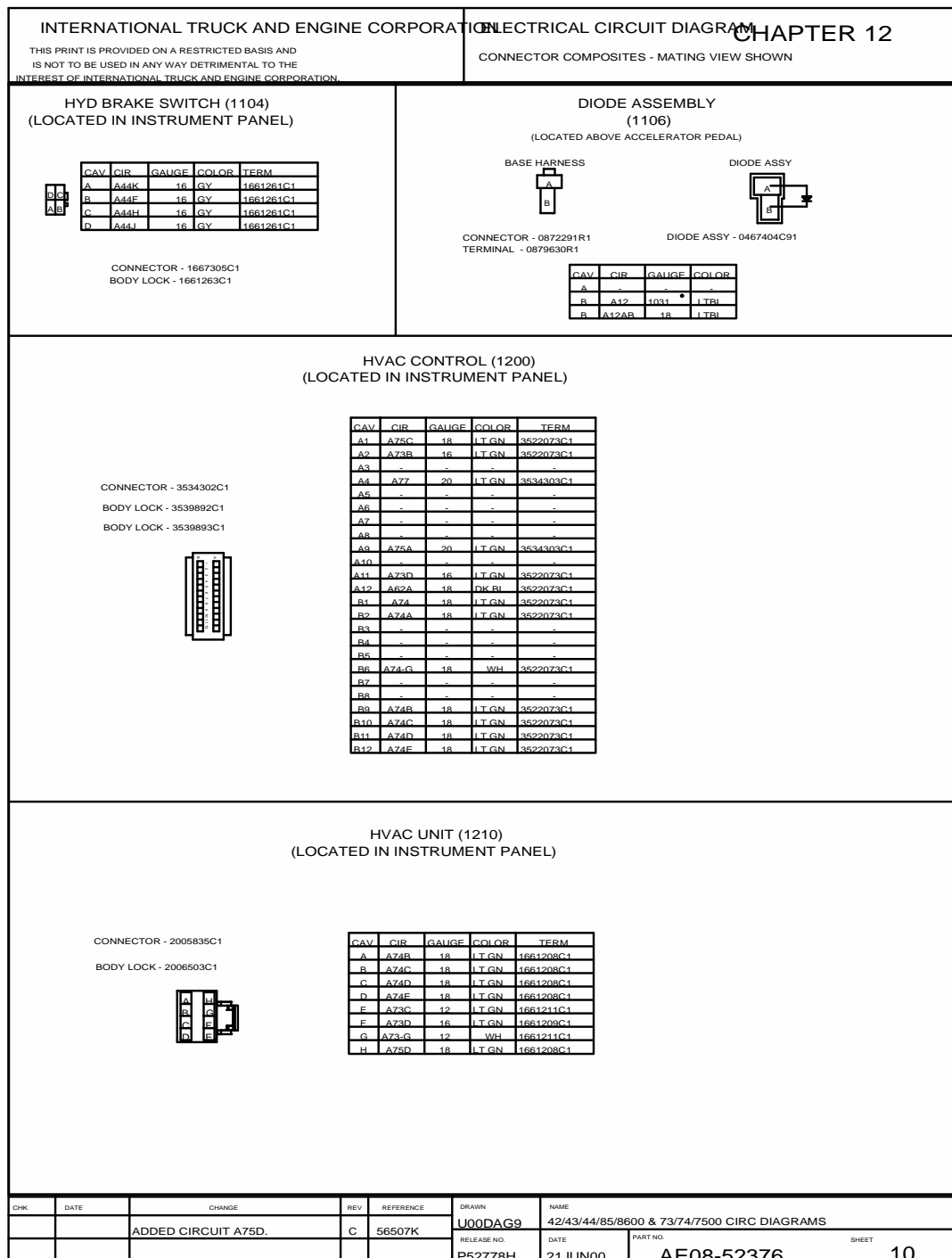


Figure 125 Connector Composites (1104), (1106), (1200), (1210)

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

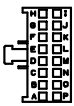

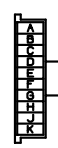




INTERNATIONAL TRUCK AND ENGINE CORPORATION				ELECTRICAL CIRCUIT DIAGRAM CHAPTER 12																																																																																													
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<b>PREMIUM RADIO (1300)</b> (LOCATED IN INSTRUMENT PANEL)																																																																																																	
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CAV	CIR	GAUGE	COLOR	TERM	CAV	CIR	GAUGE	COLOR	TERM																																																																																								
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CONNECTOR - 2015860C1  <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>A82</td><td>18</td><td>DK BL</td><td>2018639C1</td></tr> <tr><td>2</td><td>A82-G</td><td>18</td><td>WH</td><td>2018639C1</td></tr> <tr><td>3</td><td>A2B</td><td>18</td><td>TN</td><td>2018639C1</td></tr> <tr><td>4</td><td>ASAL(+)</td><td>20</td><td>YL</td><td>2018639C1</td></tr> <tr><td>5</td><td>ASAM(-)</td><td>20</td><td>GN</td><td>2018639C1</td></tr> <tr><td>7</td><td>A2B-G</td><td>18</td><td>WH</td><td>2018639C1</td></tr> <tr><td>8</td><td>A28A</td><td>18</td><td>TN</td><td>2018639C1</td></tr> <tr><td>9</td><td>ASO</td><td>20</td><td>YL</td><td>2018639C1</td></tr> </tbody> </table>				CAV	CIR	GAUGE	COLOR	TERM	1	A82	18	DK BL	2018639C1	2	A82-G	18	WH	2018639C1	3	A2B	18	TN	2018639C1	4	ASAL(+)	20	YL	2018639C1	5	ASAM(-)	20	GN	2018639C1	7	A2B-G	18	WH	2018639C1	8	A28A	18	TN	2018639C1	9	ASO	20	YL	2018639C1	CONNECTOR - 3546782C1  <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>A14FF</td><td>18</td><td>RD</td><td>2018639C1</td></tr> <tr><td>2</td><td>A12FC</td><td>18</td><td>LT BL</td><td>2018639C1</td></tr> <tr><td>3</td><td>A11-GJ</td><td>18</td><td>WH</td><td>2018639C1</td></tr> <tr><td>4</td><td>A82S</td><td>18</td><td>DK BL</td><td>2018639C1</td></tr> <tr><td>5</td><td>ASC(+)</td><td>20</td><td>YL</td><td>2018639C1</td></tr> <tr><td>6</td><td>ASC(-)</td><td>20</td><td>GN</td><td>2018639C1</td></tr> </tbody> </table>				CAV	CIR	GAUGE	COLOR	TERM	1	A14FF	18	RD	2018639C1	2	A12FC	18	LT BL	2018639C1	3	A11-GJ	18	WH	2018639C1	4	A82S	18	DK BL	2018639C1	5	ASC(+)	20	YL	2018639C1	6	ASC(-)	20	GN	2018639C1										
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Figure 126 Connector Composites (1300), (1301), (1400), (1402), (1410), (1500), (1510)

## 12.12. CONNECTOR COMPOSITES (1553), (1554F), (1555), (1600), (1601), (1650), P. 12

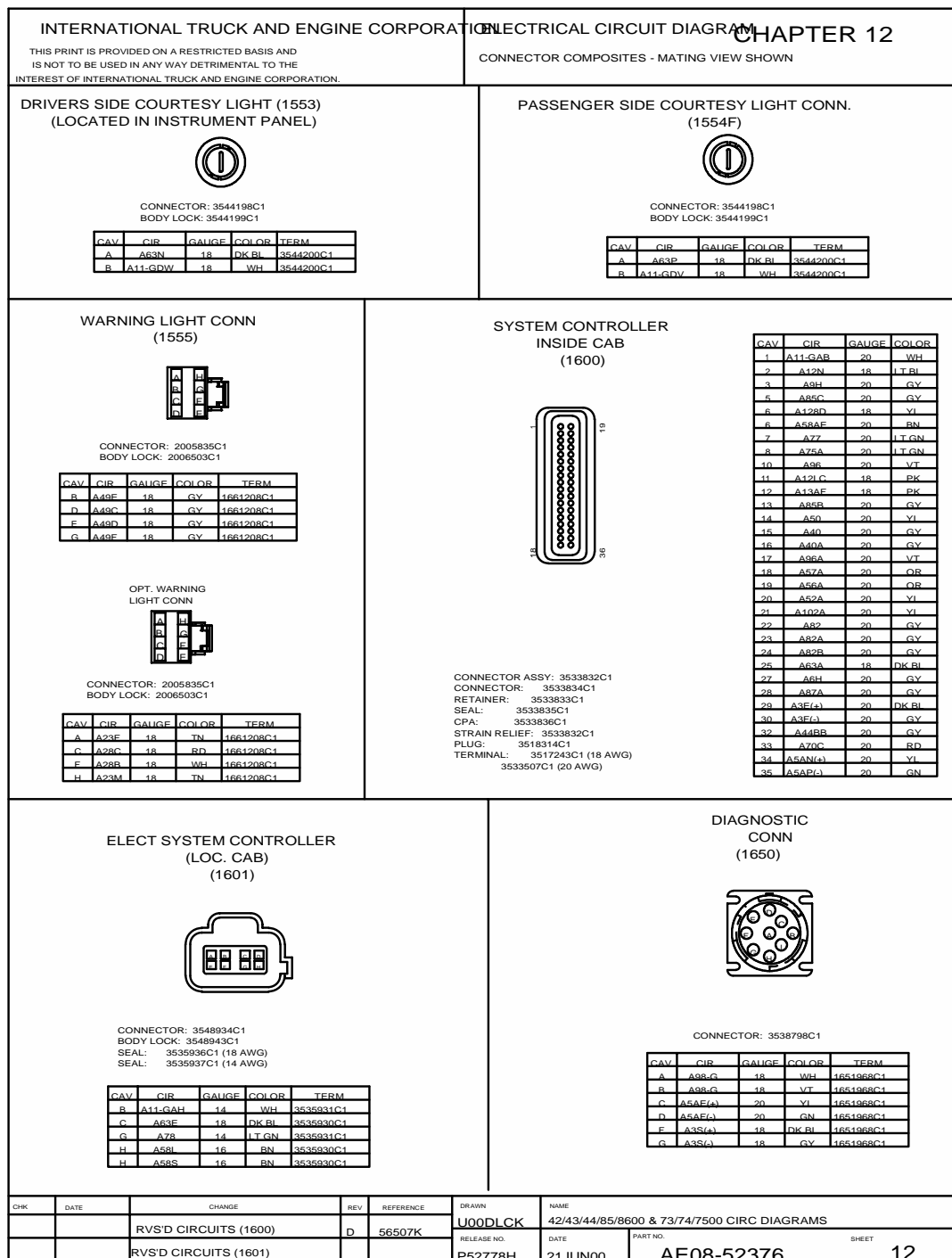


Figure 127 Connector Composites (1553), (1554F), (1555), (1600), (1601), (1650)

## 12.13. CONNECTOR COMPOSITES (1652), (1657M), (1658), (1659), (1800), P. 13

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>				<b>ELECTRICAL CIRCUIT DIAGRAMS</b> <b>CHAPTER 12</b> CONNECTOR COMPOSITES - MATING VIEW SHOWN																																																																																																																																																																																																																																																																																																																																						
<b>DRIVETRAIN J1939 EATON AUTOSHIFT (1652)</b>  <div style="display: flex; justify-content: space-around;"> <div style="text-align: center;">   <b>IP HARNESS</b>             CONNECTOR: 1661259C1            BODY LOCK: 1661263C1            TERMINAL: 3534481C1            (20 AWG)         </div> <div style="text-align: center;">   <b>SHIFTER HARNESS</b>             CONNECTOR: 1661260C1            BODY LOCK: 1661264C1            TERMINAL: 3534481C1            (20 AWG)         </div> </div> <div style="display: flex; justify-content: space-around;"> <table border="1" style="font-size: 8px;"> <tr><th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th></tr> <tr><td>A</td><td>A5AV(+)</td><td>20</td><td>YL</td></tr> <tr><td>B</td><td>A5AV(-)</td><td>20</td><td>GN</td></tr> </table> <table border="1" style="font-size: 8px;"> <tr><th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th></tr> <tr><td>A</td><td>A5AV(+)</td><td>20</td><td>YL</td></tr> <tr><td>B</td><td>A5AV(-)</td><td>20</td><td>GN</td></tr> </table> </div>				CAV	CIR	GAUGE	COLOR	A	A5AV(+)	20	YL	B	A5AV(-)	20	GN	CAV	CIR	GAUGE	COLOR	A	A5AV(+)	20	YL	B	A5AV(-)	20	GN	<b>DRIVETRAIN J1939 TERM. RESISTOR (1657M)</b>  <div style="text-align: center;">   <b>TERM. RESISTOR</b>             CONNECTOR: 1667741C1            BODY LOCK: 1667771C1            DIODE ASSY: 0467404C1         </div> <table border="1" style="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>A5AG(+)</td><td>20</td><td>YL</td><td>1661875C1</td><td>1661872C1</td></tr> <tr><td>C</td><td>A5AH(-)</td><td>20</td><td>GN</td><td>1661875C1</td><td>1661872C1</td></tr> </table>				CAV	CIR	GAUGE	COLOR	TERM	SEAL	A	A5AG(+)	20	YL	1661875C1	1661872C1	C	A5AH(-)	20	GN	1661875C1	1661872C1																																																																																																																																																																																																																																																																																									
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<div style="display: flex; justify-content: space-around;"> <div style="text-align: center;">   <b>CAB HARNESS</b>             CONNECTOR: 3553649C1            BODY LOCK: 3553659C1            150 SERIES TERMINAL: 3544883C1 (20 AWG)                                              3544884C1 (18 AWG)            280 SERIES TERMINAL: 3544875C1 (20 AWG)                                              3544876C1 (18 AWG)         </div> <div style="text-align: center;">   <b>DCM HARNESS</b>             CONNECTOR: 3553651C1            BODY LOCK: 3544872C1            CONN CLIP: 3545905C1(1805A)            TERMINAL: 3544886C1            (18 AWG)         </div> </div> <div style="display: flex; justify-content: space-between;"> <table border="1" style="font-size: 8px; width: 48%;"> <tr><th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>NOTES</th></tr> <tr><td>A1</td><td>A56A</td><td>20</td><td>OR</td><td></td></tr> <tr><td>A2</td><td>A57A</td><td>20</td><td>OR</td><td></td></tr> <tr><td>A3</td><td>A11-GAA</td><td>18</td><td>WH</td><td>280 SERIES TERMINAL</td></tr> <tr><td>A4</td><td>A6V</td><td>18</td><td>GY</td><td>280 SERIES TERMINAL</td></tr> <tr><td>A5</td><td>A97C</td><td>20</td><td>GY</td><td>280 SERIES TERMINAL</td></tr> <tr><td>A7</td><td>A52A</td><td>20</td><td>YL</td><td></td></tr> <tr><td>A8</td><td>A102A</td><td>20</td><td>YL</td><td></td></tr> <tr><td>B1</td><td>A82B</td><td>20</td><td>GY</td><td></td></tr> <tr><td>B10</td><td>A85B</td><td>20</td><td>GY</td><td></td></tr> <tr><td>B11</td><td>A85C</td><td>20</td><td>GY</td><td></td></tr> <tr><td>B11</td><td>A85K</td><td>18</td><td>GY</td><td></td></tr> <tr><td>B12</td><td>A96</td><td>20</td><td>VT</td><td></td></tr> <tr><td>B2</td><td>A40A</td><td>20</td><td>GY</td><td></td></tr> <tr><td>B3</td><td>A6H</td><td>20</td><td>GY</td><td></td></tr> <tr><td>B4</td><td>A97Y</td><td>18</td><td>VT</td><td></td></tr> <tr><td>B5</td><td>A99U</td><td>18</td><td>VT</td><td></td></tr> <tr><td>B6</td><td>A99W</td><td>18</td><td>VT</td><td></td></tr> <tr><td>B7</td><td>A44RB</td><td>20</td><td>GY</td><td></td></tr> <tr><td>B9</td><td>A70C</td><td>20</td><td>RD</td><td></td></tr> <tr><td>C1</td><td>A82A</td><td>20</td><td>GY</td><td></td></tr> <tr><td>C10</td><td>A97D</td><td>18</td><td>VT</td><td></td></tr> <tr><td>C11</td><td>A96A</td><td>20</td><td>VT</td><td></td></tr> <tr><td>C12</td><td>A40</td><td>20</td><td>GY</td><td></td></tr> <tr><td>C2</td><td>A40E</td><td>18</td><td>GY</td><td></td></tr> <tr><td>C4</td><td>A99V</td><td>18</td><td>VT</td><td></td></tr> <tr><td>C5</td><td>A97P</td><td>18</td><td>VT</td><td></td></tr> <tr><td>C6</td><td>A99E</td><td>18</td><td>VT</td><td></td></tr> <tr><td>C9</td><td>A82</td><td>20</td><td>GY</td><td></td></tr> <tr><td>D7</td><td>A17J</td><td>18</td><td>PK</td><td></td></tr> <tr><td>D8</td><td>A17H</td><td>18</td><td>PK</td><td></td></tr> <tr><td>D8</td><td>A17GH</td><td>18</td><td>WH</td><td></td></tr> </table> <table border="1" style="font-size: 8px; 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**Figure 128 Connector Composites (1652), (1657M), (1658), (1659), (1800)**

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

INTERNATIONAL TRUCK AND ENGINE CORPORATION


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ELECTRICAL CIRCUIT DIAGRAM

CHAPTER 12

CONNECTOR COMPOSITES - MATING VIEW SHOWN


ACCELERATOR PEDAL  
(1804)



CONNECTOR: 1687790C1  
TERMINAL: 1651943C1(18 AWG)

CAV	CIR	GAUGE	COLOR
A	B99V	18	VT
B	B97AD	18	VT
C	B97AF	18	VT
D	B99J	18	VT
E	B99W	18	VT
F	B99E	18	VT


CLUTCH SWITCH  
(1807)



CONNECTOR: 3540757C1  
BODY LOCK: 3540758C1  
SEAL: 1661872C1  
TERMINAL: 1667742C1  
(18 AWG)

CAV	CIR	GAUGE	COLOR
A	B17J	18	PK
B	B17H	18	PK
C	B96A	18	VT
D	B9VB	18	GY


BAP SENSOR  
(1808)



CONNECTOR: 2016703C1  
BODY LOCK: 2016704C1  
TERMINAL: 2003343C1  
(18 AWG)

CAV	CIR	GAUGE	COLOR
1	B97AE	18	VT
2	B97AH	18	VT
3	B97Q	18	VT


CLOCKSPRING  
(1809)



CONNECTOR: 3547870C1  
TERMINAL: 1661261C1  
(18 AWG)

CAV	CIR	GAUGE	COLOR
A	B9R	18	GY
B	B96	18	VT
C	B85C	18	GY
D	B85B	18	GY


TURN SIGNAL SWITCH  
(1810)



CONNECTOR: 3539212C1  
TERMINAL: 3539213C1  
(18 AWG)

CAV	CIR	GAUGE	COLOR
1	B56A	18	OR
2	B57A	18	OR
3	B52A	18	YL
4	B102A	18	YL
5	B52B	18	GY
6	B11-GAA	18	WH
7	B9S	18	GY
8	B82	18	GY
11	B82A	18	GY
12	B87A	18	GY


PRIMARY AIR TRANSDUCER  
(1811)



CONNECTOR: 1678137C1  
TERMINAL: 1651934C1  
(18 AWG)

CAV	CIR	GAUGE	COLOR
A	B9VC	18	GY
B	B8HB	18	GY
C	B40	18	GY


SECONDARY AIR TRANSDUCER  
(1812)



CONNECTOR: 1678137C1  
TERMINAL: 1651934C1  
(18 AWG)

CAV	CIR	GAUGE	COLOR
A	B9VE	18	GY
B	B8HA	18	GY
C	B40A	18	GY


PARK BRAKE  
(1813)



CONNECTOR: 1661777C1  
BODY LOCK: 1661873C1  
SEAL: 1661872C1  
TERMINAL: 1661875C1  
(18 AWG)

CAV	CIR	GAUGE	COLOR
C	B44BB	18	GY
D	B9VD	18	GY


STOP LIGHT  
(1814)



CONNECTOR: 2036584C1  
TERMINAL: 2036586C1  
(18 AWG)

CAV	CIR	GAUGE	COLOR
A	B70C	18	RD
B	B9VF	18	GY

PARK BRAKE  
(1815)



CONNECTOR: 1661259C1  
TERMINAL: 1661261C1  
(18 AWG)

CAV	CIR	GAUGE	COLOR
A	WHITE	18	WH
B	BLACK	18	BK

CHK

DATE

CHANGE

REV

REFERENCE

DRAWN

NAME

RELEASE NO.

DATE

PART NO.

SHEET

PEC

15JAN01

PRODUCTION RELEASE.

A

P54304U

U00DLCK

42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS

PEC

25JUN01

ADDED CONN 1804-1815.

B

P54634F

P52778H

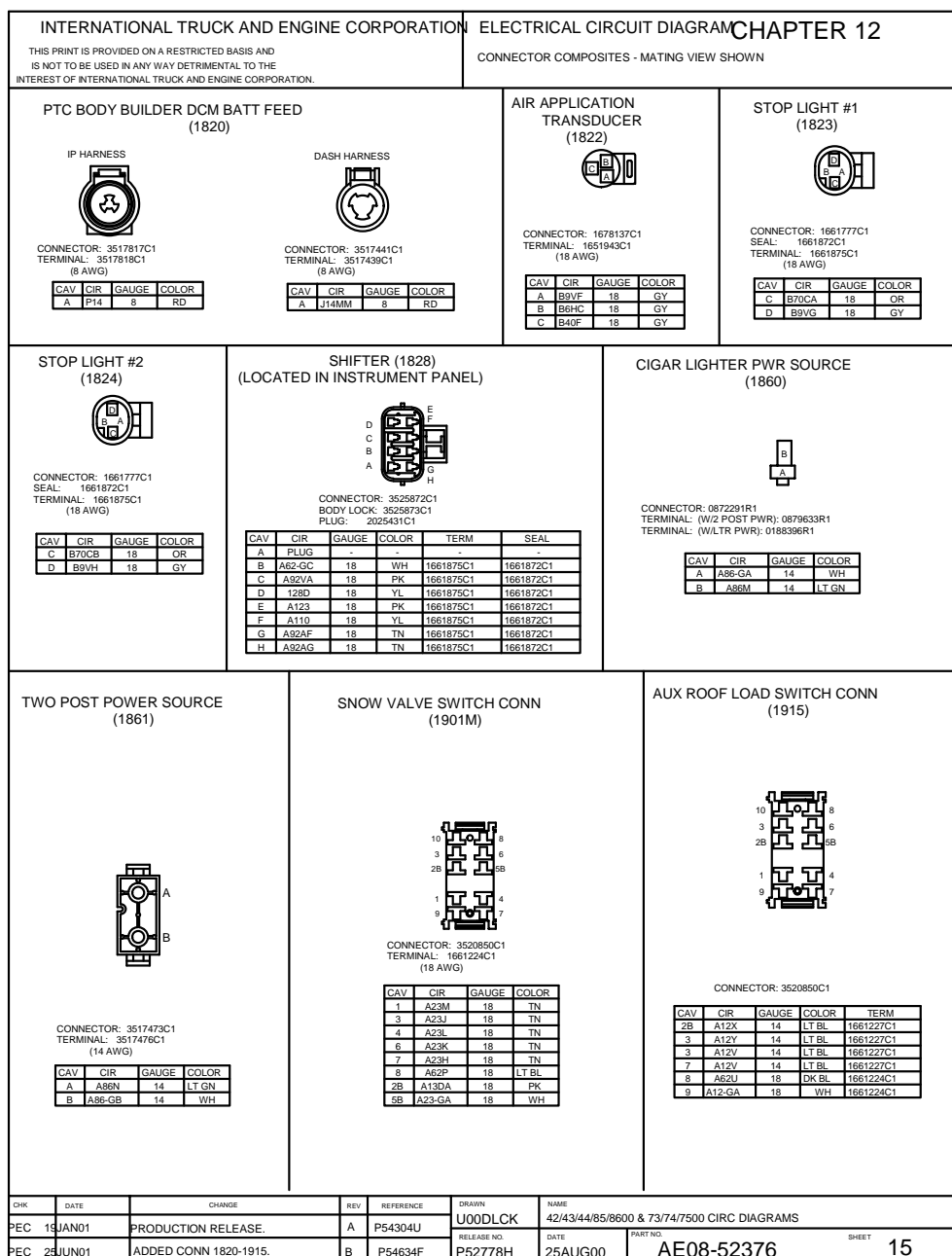
21JUN00

AE08-52376

14

Figure 129 Connector Composites (1804), (1807), (1808), (1809), (1810), (1811), (1812), (1813), (1814), (1815)

## 12.15. CONNECTOR COMPOSITES (1820), (1822), (1823), (1824), (1828), (1860), (1861), (1901M), (1915), P. 15



**Figure 130 Connector Composites (1820), (1822), (1823), (1824), (1828), (1860), (1861), (1901M), (1915)**

## 12.16. CONNECTOR COMPOSITES (1918), (1920), (2000), (2002M), (2003M), (2004M), (2005M), P. 16









INTERNATIONAL TRUCK AND ENGINE CORPORATION				ELECTRICAL CIRCUIT DIAGRAM CHAPTER 12																																																																																																																																																								
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<b>AIR SEAT (1918)</b>  CONNECTOR: 0587567C91 TERMINAL: 0587577C1 (14 AWG) <table border="1" style="margin: 10px auto; 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>BD</td> <td>14</td> <td>RD</td> </tr> <tr> <td>B</td> <td>WH</td> <td>14</td> <td>WH</td> </tr> </tbody> </table>				CAV	CIR	GAUGE	COLOR	A	BD	14	RD	B	WH	14	WH	<b>DITIGAL CLOCK (1920)</b>  CONNECTOR: 1667305C1 BODY LOCK: 1661263C1 <table border="1" style="margin: 10px auto; font-size: 8px;"> <thead> <tr> <th>CAV</th> <th>CIR</th> <th>GAUGE</th> <th>COLOR</th> <th>TERM</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>A86A</td> <td>18</td> <td>LT GN</td> <td>1661261C1</td> </tr> <tr> <td>B</td> <td>A86-G</td> <td>18</td> <td>WH</td> <td>1661261C1</td> </tr> <tr> <td>C</td> <td>A86</td> <td>18</td> <td>LT GN</td> <td>1661261C1</td> </tr> <tr> <td>D</td> <td>A62E</td> <td>18</td> <td>DK BL</td> <td>1661261C1</td> </tr> </tbody> </table>				CAV	CIR	GAUGE	COLOR	TERM	A	A86A	18	LT GN	1661261C1	B	A86-G	18	WH	1661261C1	C	A86	18	LT GN	1661261C1	D	A62E	18	DK BL	1661261C1																																																																																																																
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<b>LEFT CLEARANCE (2002M)</b>  CONNECTOR: 1661259C1 BODY LOCK: 1661263C1 TERMINAL: 1661261C1 (18 AWG) <table border="1" style="margin: 10px auto; 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>D58L</td> <td>18</td> <td>BN</td> </tr> <tr> <td>B</td> <td>D58-GD</td> <td>18</td> <td>WH</td> </tr> </tbody> </table>		CAV	CIR	GAUGE	COLOR	A	D58L	18	BN	B	D58-GD	18	WH	<b>LEFT MARKER (2003M)</b>  CONNECTOR: 1661259C1 BODY LOCK: 1661263C1 TERMINAL: 1661261C1 (18 AWG) <table border="1" style="margin: 10px auto; 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>D58M</td> <td>18</td> <td>BN</td> </tr> <tr> <td>B</td> <td>D58-GF</td> <td>18</td> <td>WH</td> </tr> </tbody> </table>		CAV	CIR	GAUGE	COLOR	A	D58M	18	BN	B	D58-GF	18	WH	<b>MID MARKER (2004M)</b>  CONNECTOR: 1661259C1 BODY LOCK: 1661263C1 TERMINAL: 1661261C1 (18 AWG) <table border="1" style="margin: 10px auto; 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>D58N</td> <td>18</td> <td>BN</td> </tr> <tr> <td>B</td> <td>D58-GF</td> <td>18</td> <td>WH</td> </tr> </tbody> </table>		CAV	CIR	GAUGE	COLOR	A	D58N	18	BN	B	D58-GF	18	WH	<b>RIGHT MARKER (2005M)</b>  CONNECTOR: 1661259C1 BODY LOCK: 1661263C1 TERMINAL: 1661261C1 (18 AWG) <table border="1" style="margin: 10px auto; 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>D58P</td> <td>18</td> <td>BN</td> </tr> <tr> <td>B</td> <td>D58-GH</td> <td>18</td> <td>WH</td> </tr> </tbody> </table>		CAV	CIR	GAUGE	COLOR	A	D58P	18	BN	B	D58-GH	18	WH																																																																																																					
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Figure 131 Connector Composites (1918), (1920), (2000), (2002M), (2003M), (2004M), (2005M)



## 12.17. CONNECTOR COMPOSITES (2006M), (2007F), (2021F), (2021M), (2022F), (2022M), (2111M), (2112M), (2113M), (2114M), (2115M), (2116M), (2117M), (2301M), (2302M), (2303M), P. 17

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ELECTRICAL CIRCUIT DIAGRAM

CONNECTOR COMPOSITES - MATING VIEW SHOWN

CHAPTER 12

RIGHT CLEARANCE (2006M)

CONNECTOR: 1661259C1  
BODY LOCK: 1661263C1  
TERMINAL: 1661261C1 (18 AWG)

CAV	CIR	GAUGE	COLOR
A	D58R	18	BN
B	D58-GJ	18	WH

SUNSHADE (2007F)

CONNECTOR: 1661260C1  
BODY LOCK: 1661264C1  
TERMINAL: 1661262C1 (18 AWG)

CAV	CIR	GAUGE	COLOR
A	D58T	18	BN
B	D58-GL	18	WH

AUX ROOF/IP CONNECTION (2021F)

CONNECTOR: 3554818C1  
BODY LOCK: 3554821C1  
TERMINAL: 3534167C1 (14 AWG)

CAV	CIR	GAUGE	COLOR
A	D58W	14	BN
B	D58-GW	14	WH

IP/AUX ROOF CONNECTION (2021M)

CONNECTOR: 3554817C1  
BODY LOCK: 3554820C1  
TERMINAL: 3534165C1 (14 AWG)

CAV	CIR	GAUGE	COLOR
A	A12U	14	LT BL
B	A12-GB	14	WH

AUX ROOF/IP CONNECTION (2022F)

CONNECTOR: 3554818C1  
BODY LOCK: 3554821C1  
TERMINAL: 1661212C1 (18 AWG)

CAV	CIR	GAUGE	COLOR
A	BK	18	BK
B	WH	18	WH

IP/AUX ROOF CONNECTION (2022M)

CONNECTOR: 3554817C1  
BODY LOCK: 3554820C1  
TERMINAL: 3534164C1 (18 AWG)

CAV	CIR	GAUGE	COLOR
A	A58AD	18	BN
B	A11-GHF	18	WH

RIGHT DOOR DOME SWITCH (2111M)

CONNECTOR: 2036584C1  
TERMINAL: 2036586C1 (18 AWG)

CAV	CIR	GAUGE	COLOR
A	D63B	18	DK BL
B	D9N	18	GY

LEFT DOOR DOME SWITCH (2112M)

CONNECTOR: 2036584C1  
TERMINAL: 2036586C1 (18 AWG)

CAV	CIR	GAUGE	COLOR	NOTES
A	D63H	18	DK BL	PTC
A	D63A	18	DK BL	
B	D9D	18	GY	
B	D9L	18	GY	PTC

RIGHT CREW DOOR DOME SWITCH (2113M)

CONNECTOR: 2036584C1  
TERMINAL: 2036586C1 (18 AWG)

CAV	CIR	GAUGE	COLOR
A	D63J	18	DK BL
B	D9W	18	GY

LEFT CREW DOOR DOME SWITCH (2114M)

CONNECTOR: 2036584C1  
TERMINAL: 2036586C1 (18 AWG)

CAV	CIR	GAUGE	COLOR
A	D63K	18	DK BL
B	D9Y	18	GY

REAR DOME LIGHT (2115M)

CONNECTOR: 1661889C1  
BODY LOCK: 1661890C1  
TERMINAL: 1661261C1 (18 AWG)

CAV	CIR	GAUGE	COLOR
A	D63L	18	DK BL
B	D63-GH	18	WH
C	D63K	18	DK BL

DOME LAMP (2116M)

CONNECTOR: 3536187C1  
BODY LOCK: 1661890C1  
TERMINAL: 1661261C1 (18 AWG)

CAV	CIR	GAUGE	COLOR	NOTES
A	C63D	18	DK BL	
B	C63-GE	18	WH	W/DUAL CB
B	C11-GF	16	WH	W/O CB
C	C63E	18	DK BL	

DOME/READING LIGHT COMPASS/TEMP UNIT (2117M)

CONNECTOR: 3515762C1  
BODY LOCK: 3515764C1-2  
TERMINAL: 1661261C1 (18 AWG)

CAV	CIR	GAUGE	COLOR
A	C41-G	18	WH
B	C63-GE	18	WH
C	C63D	18	DK BL
D	C41B	18	GY
E	C62F	18	DK BL
F	C63E	18	DK BL
G	C41	18	GY
H	C41A	18	GY

RIGHT REAR SPEAKER (2301M)

CONNECTOR: 3535769C1  
BODY LOCK: 3535770C1

CAV	CIR	GAUGE	COLOR	TERM
A	D86D	18	LT GN	1661261C1
B	D86E	18	LT GN	1661261C1

LEFT REAR SPEAKER (2302M)

CONNECTOR: 3535769C1  
BODY LOCK: 3535770C1  
TERMINAL: 1661261C1 (18 AWG)

CAV	CIR	GAUGE	COLOR
A	D86B	18	LT GN
B	D86C	18	LT GN

CB RADIO POWER (2303M)

CONNECTOR: 1661197C1  
TERMINAL: 1661212C1 (16 AWG)

CAV	CIR	GAUGE	COLOR
A	C86F	16	LT GN
B	C86-GF	16	WH

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME	DATE	PART NO.	SHEET
PEC	15JAN01	PRODUCTION RELEASE.	A	P54304U	U00DLCK	42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS			
PEC	25JUN01	ADDED 2006M-2303M.	B	P54634F	P52778H		25AUG00	AE08-52376	17

**Figure 132 Connector Composites (2006M), (2007F), (2021F), (2021M), (2022F), (2022M), (2111M), (2112M), (2113M), (2114M), (2115M), (2116M), (2117M), (2301M), (2302M), (2303M)**

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

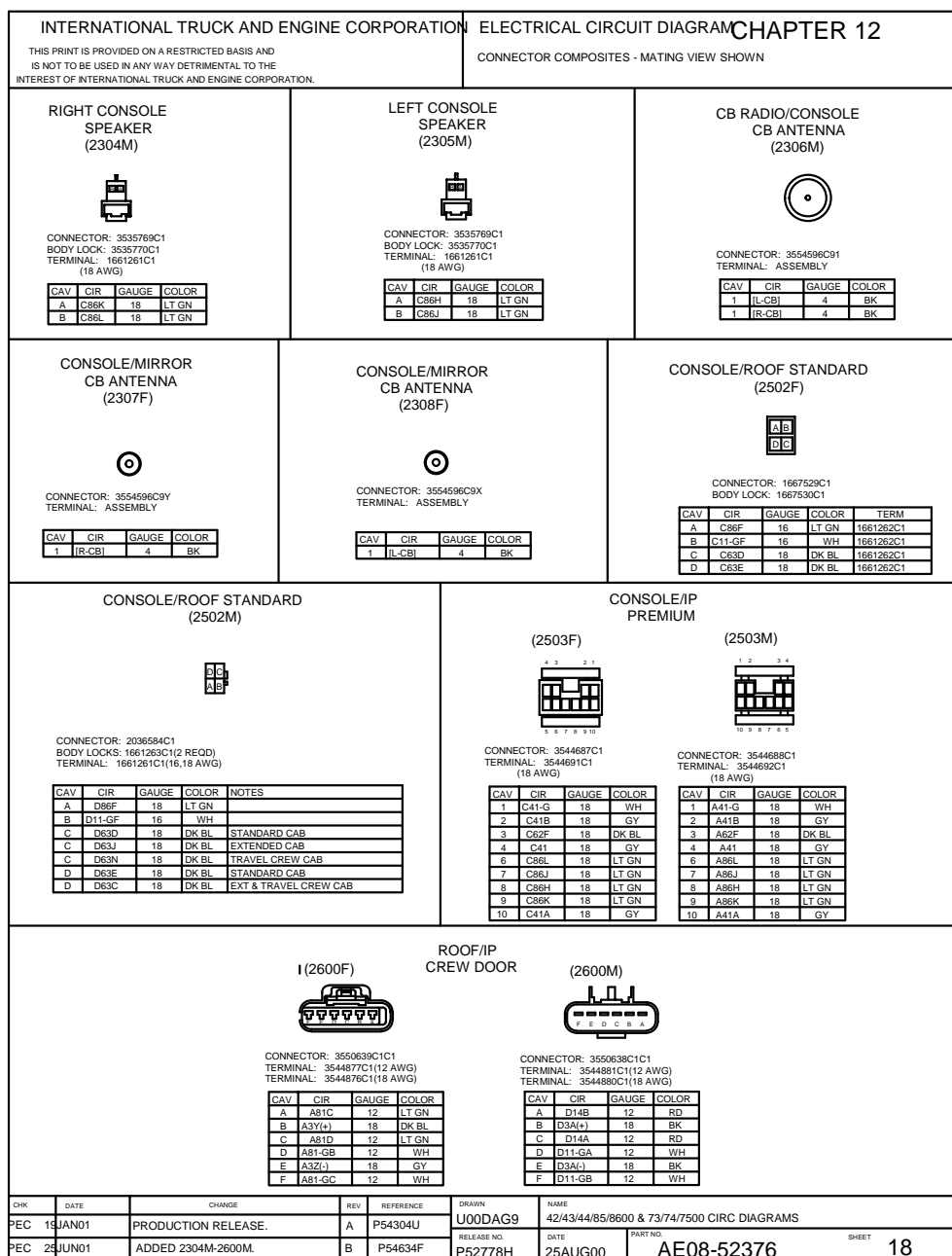
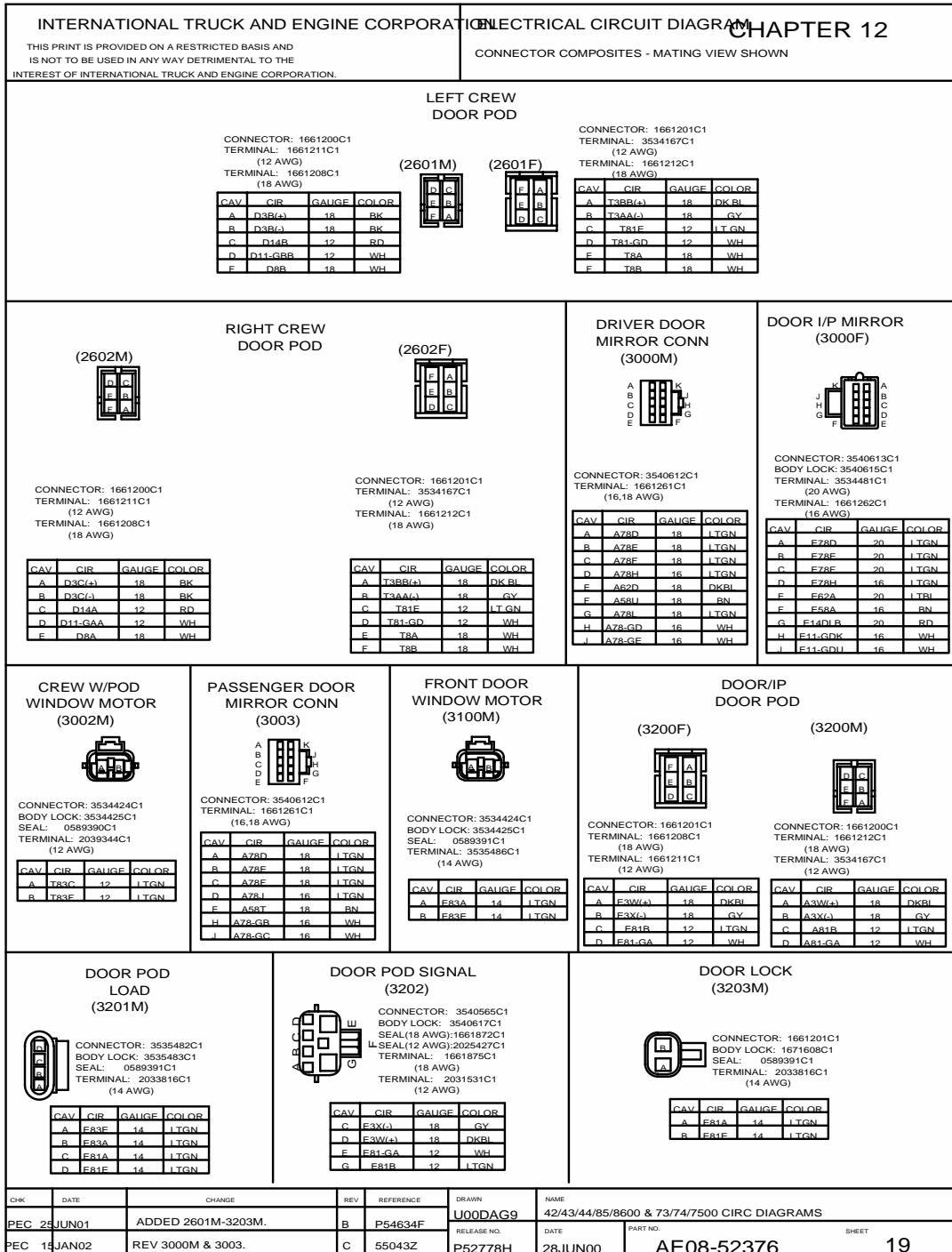


Figure 133 Connector Composites (2304M), (2305M), (2306M), (2307F), (2308F), (2502F), (2502M), (2503F, M), (2600F, M)

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



**Figure 134 Connector Composites (2601M, F), (2602M, F), (3000M), (3000F), (3002M), (3003), (3100M), (3200F, M), (3201M), (3202), (3203M)**

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

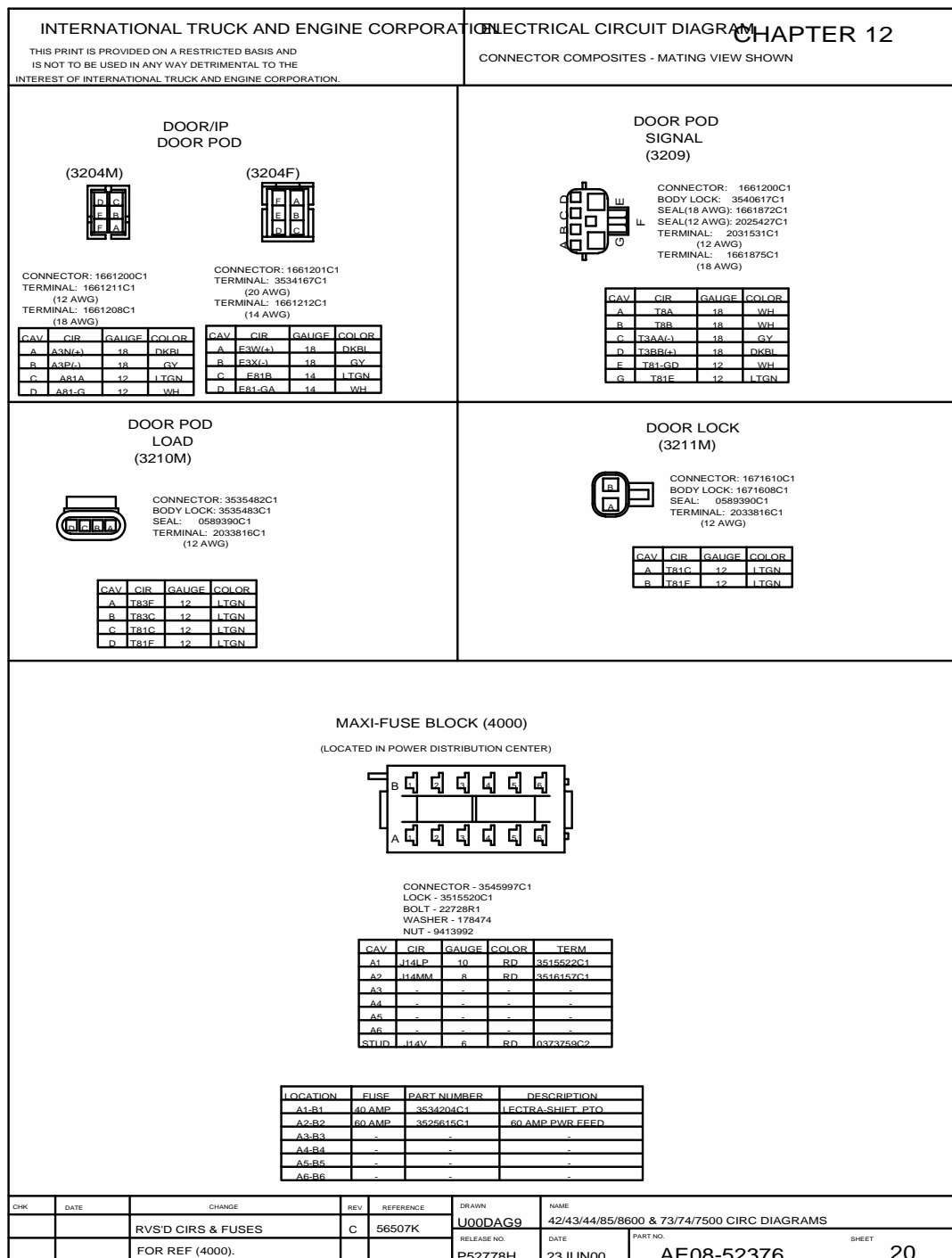


Figure 135 Connector Composites (3204M, F), (3209), (3210M), (3211M), (4000)

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

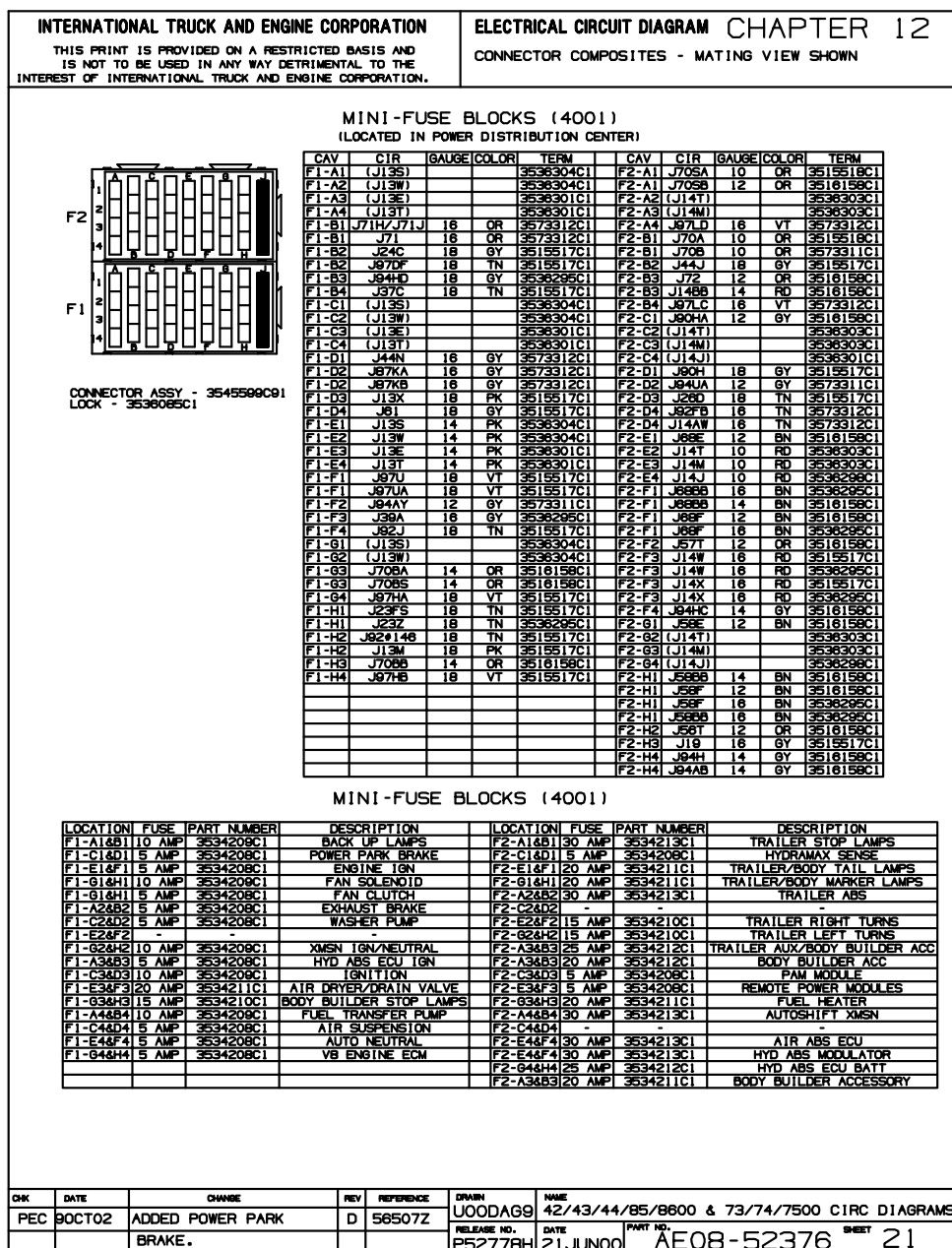


Figure 136 Connector Composite (4001)

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

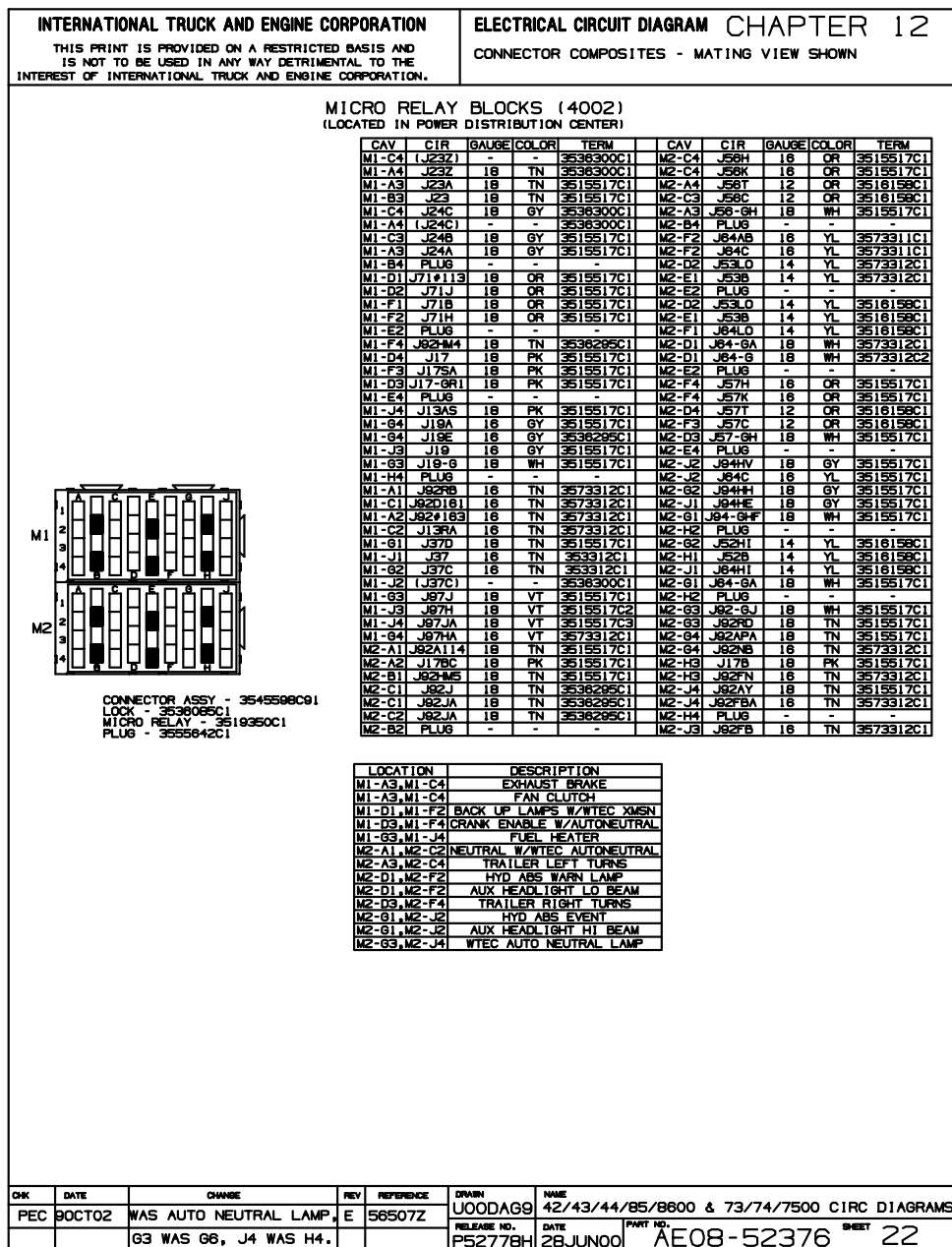
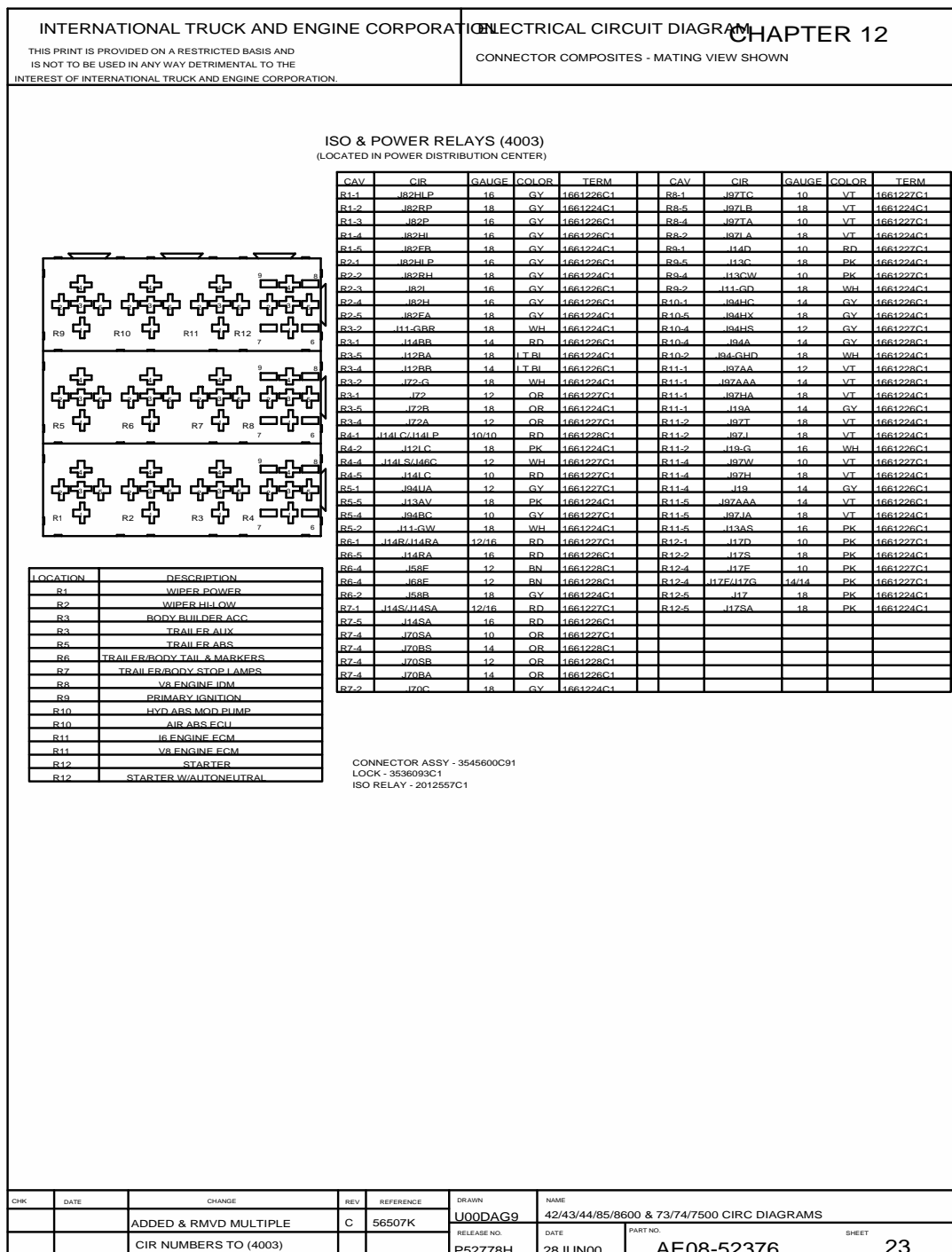


Figure 137 Connector Composite (4002)

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



**Figure 138 Connector Composite (4003)**

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

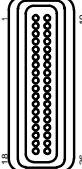


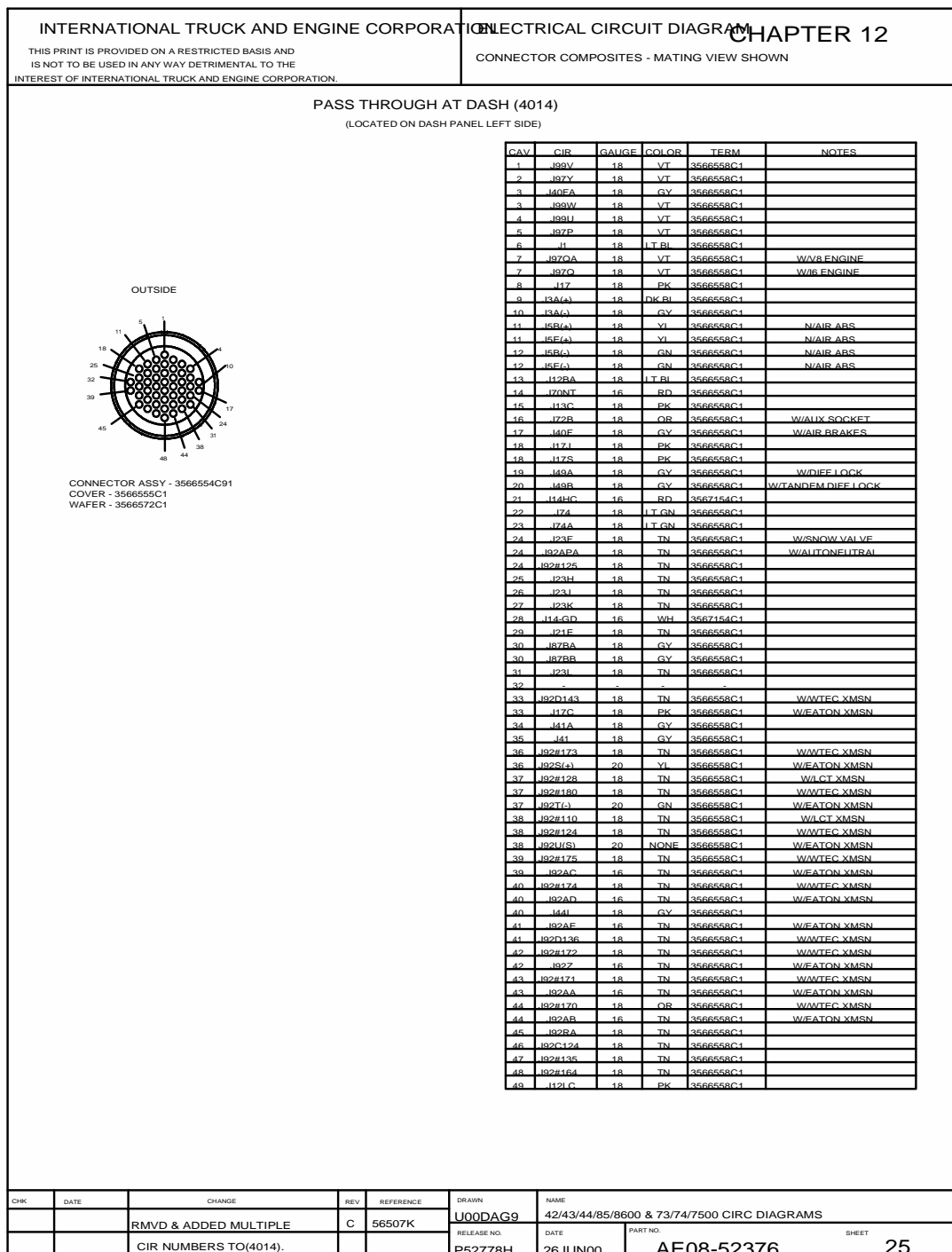
INTERNATIONAL TRUCK AND ENGINE CORPORATION										ELECTRICAL CIRCUIT DIAGRAM CHAPTER 12										
THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF INTERNATIONAL TRUCK AND ENGINE CORPORATION.										CONNECTOR COMPOSITES - MATING VIEW SHOWN										
<b>SYSTEM CONTROLLER (4004)</b> (LOCATED ON EXTERIOR DASH PANEL LEFT SIDE)																				
		CAV	CIR	GAUGE	COLOR	TERM	NOTES	CAV	CIR	GAUGE	COLOR	TERM								
		1	J32A	18	TN	3517243C1			19	J92DI	18	TN	3517243C1							
		2	J32	18	TN	3517243C1	W/AXLE TEMP		19	J92BD	18	TN	3517243C1							
		3	J31	18	TN	3517243C1			20	J92BH	18	GY	3517243C1							
		4	J31F	18	TN	3517243C1			21	J70C	18	GY	3517243C1							
		5	J36B	18	TN	3517243C1			22	J59C	18	GY	3517243C1							
		6	J36A	18	TN	3517243C1			23	J94HP	18	GY	3517243C1							
		7	J77A	20	LT GN	3517243C1			24	J59B	18	GY	3517243C1							
		8	J77D	20	LT GN	3517243C1			25	J37D	18	TN	3517243C1							
		9	J77C	20	LT GN	3517243C1			26	J9A	18	GY	3517243C1							
		10	PLUG	-	-	-			27	J6A	18	GY	3517243C1							
		11	J61C	18	GY	3517243C1			28	J90J	18	GY	3517243C1							
		12	J30A	18	TN	3517243C1			29	J92BP	18	GY	3517243C1							
		13	J90D	18	GY	3517243C1			30	J69D	18	GY	3517243C1							
		14	J90C	18	GY	3517243C1			31	J59A	18	GY	3517243C1							
		15	J87C	18	GY	3517243C1			32	PLUG	-	-	-							
		16	J87CA	18	GY	3517243C1			33	PLUG	-	-	-							
		17	J94HH	18	GY	3517243C1	W/HYD ABS		34	J5M(4)	20	YL	3517243C1							
18	J40E	18	GY	3517243C1	W/AIR APP GAUGE		35	J5M(6)	20	GN	3517243C1									
19	PLUG	-	-	-			36	PLUG	-	-	-									
20	J70NV	18	RD	3517243C1																
21	PLUG	-	-	-																
22	J44M	18	GY	3517243C1																
23	J58B	18	GY	3517243C1																
24	J93	18	TN	3517243C1	W/2SPD AXLE & MAN XMSN															
<b>SYSTEM CONTROLLER BROWN (4007)</b> (LOCATED ON EXTERIOR DASH PANEL LEFT SIDE)																				
		CAV	CIR	GAUGE	COLOR	TERM	SEAL	NOTES												
		A	J64AP	16	YL	3535930C1	3535936C1	W/AUX HEADLIGHTS												
		B	J64A	12	BN	3534163C1	3548945C1	W/FOG LIGHTS												
		C	J57AA	16	OR	3535930C1	3535936C1													
		D	J56AA	16	OR	3535930C1	3535936C1													
		E	J53A	14	YL	3535931C1	3535937C1	N/AUX HEADLIGHTS												
		F	J53LO	14	YL	3535931C1	3535937C1	W/AUX HEADLIGHTS												
		G	J85AA	16	GY	3535930C1	3535936C1													
		H	J65	16	OR	3535930C1	3535936C1													
		I	J59HI	14	YL	3535931C1	3535937C1	W/AUX HEADLIGHTS												
J	J52A	14	YL	3535931C1	3535937C1	N/AUX HEADLIGHTS														
K	J58A	14	BN	3535931C1	3535937C1															
<b>SYSTEM CONTROLLER BLUE (4008)</b> (LOCATED ON EXTERIOR DASH PANEL LEFT SIDE)																				
		CAV	CIR	GAUGE	COLOR	TERM	SEAL	NOTES												
		A	J59F	16	GY	3535930C1	3535936C1	W/SOLENOID 7-PACK												
		B	J59E	14	GY	3535931C1	3535937C1	W/SOLENOID 4-PACK												
		C	J57I	16	OR	3535930C1	3535936C1													
		D	J56J	16	OR	3535930C1	3535936C1													
		E	PLUG	-	-	-	-													
		F	J82F	16	GY	3535930C1	3535936C1													
		G	J77B	16	LT GN	3535930C1	3535936C1													
		H	PLUG	-	-	-	-													
		<b>REVISIONS</b>																		
CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME														
		RMV'D (4009) & (4010)	C	56507K	U00DAG9	42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS														
		RV'S'D CIRCUITS (4004)			P52778H	26 JUN00	PART NO.	AF08-52376	SHEET 24											

Figure 139 Connector Composites (4004), (4007), (4008)



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



**Figure 140 Connector Composite (4014)**

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

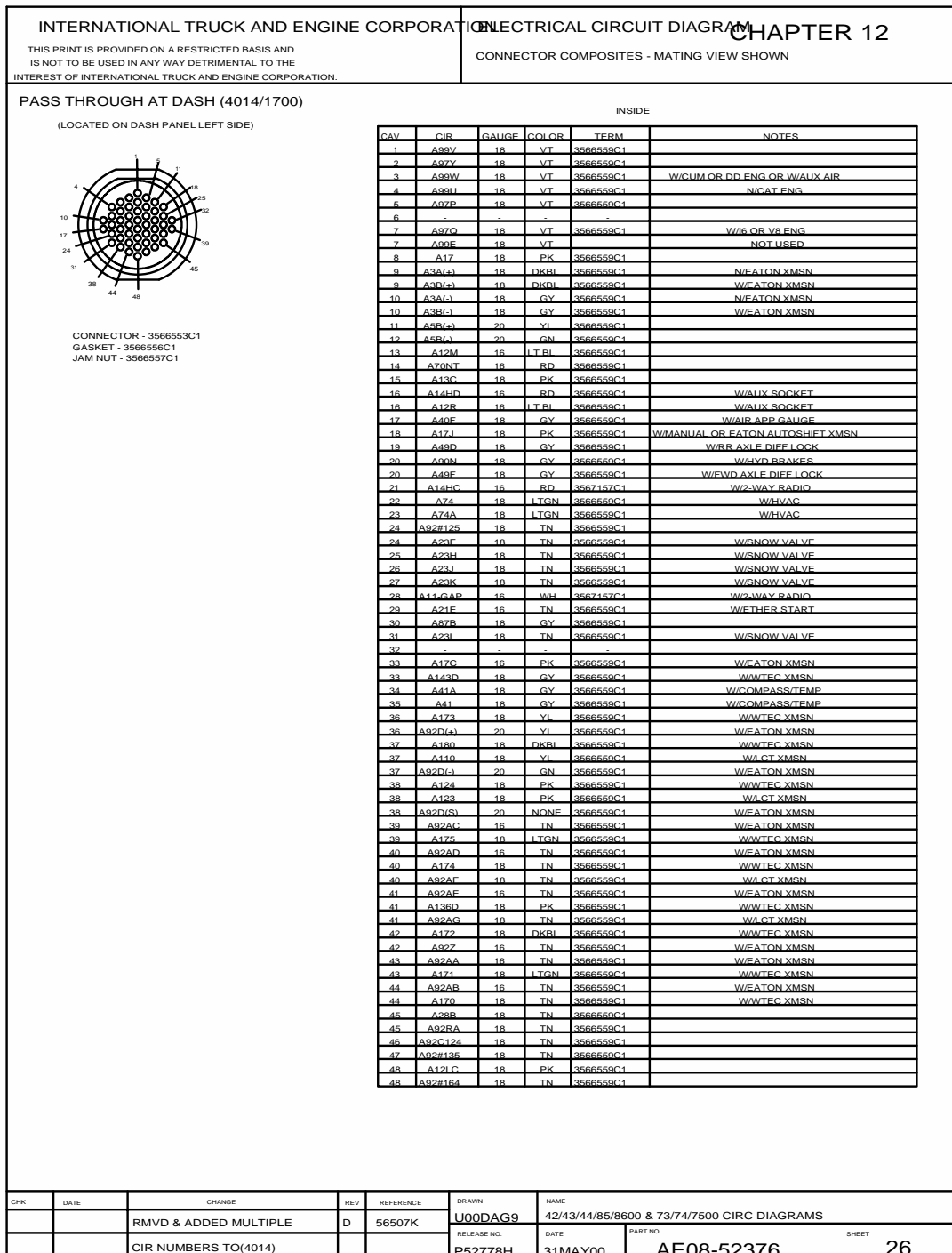


Figure 141 Connector Composite (4014/1700)

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









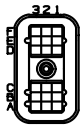
INTERNATIONAL TRUCK AND ENGINE CORPORATION <small>THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF INTERNATIONAL TRUCK AND ENGINE CORPORATION.</small>				ELECTRICAL CIRCUIT DIAGRAM CHAPTER 12 CONNECTOR COMPOSITES - MATING VIEW SHOWN																																																																																																							
<p style="text-align: center;"><b>WIPER MOTOR (4015)</b> (LOCATED ON EXTERIOR DASH PANEL, CENTER)</p>  <table border="1" style="width: 100%; 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>J62B</td><td>18</td><td>GY</td><td>2033819C1</td><td>1652325C1</td></tr> <tr><td>B</td><td>J62P</td><td>18</td><td>GY</td><td>2033819C1</td><td>1652325C1</td></tr> <tr><td>C</td><td>J62-B</td><td>18</td><td>WH</td><td>2033819C1</td><td>1652325C1</td></tr> <tr><td>D</td><td>J62H</td><td>18</td><td>GY</td><td>2033819C1</td><td>1652325C1</td></tr> <tr><td>E</td><td>J62L</td><td>18</td><td>GY</td><td>2033819C1</td><td>1652325C1</td></tr> </table> <p>CONNECTOR - 1661375C2 LOCK - 1661376C1</p>				CAV	CIR	GAUGE	COLOR	TERM	SEAL	A	J62B	18	GY	2033819C1	1652325C1	B	J62P	18	GY	2033819C1	1652325C1	C	J62-B	18	WH	2033819C1	1652325C1	D	J62H	18	GY	2033819C1	1652325C1	E	J62L	18	GY	2033819C1	1652325C1	<p style="text-align: center;"><b>HVAC RECIRC MOTOR (4017)</b> (LOCATED ON EXTERIOR DASH PANEL, RIGHT SIDE)</p>  <table border="1" style="width: 100%; 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>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> </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																						
CAV	CIR	GAUGE	COLOR	TERM	SEAL																																																																																																						
A	J62B	18	GY	2033819C1	1652325C1																																																																																																						
B	J62P	18	GY	2033819C1	1652325C1																																																																																																						
C	J62-B	18	WH	2033819C1	1652325C1																																																																																																						
D	J62H	18	GY	2033819C1	1652325C1																																																																																																						
E	J62L	18	GY	2033819C1	1652325C1																																																																																																						
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																																																																																																						
<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="width: 100%; font-size: 8px;"> <tr><th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>TERM</th></tr> <tr><td>A</td><td>J77A</td><td>20</td><td>LT GN</td><td>3536590C1</td></tr> <tr><td>B</td><td>J8J</td><td>20</td><td>GY</td><td>3536590C1</td></tr> </table> <p>CONNECTOR - 3535379C1 LOCK - 3536591C1</p>				CAV	CIR	GAUGE	COLOR	TERM	A	J77A	20	LT GN	3536590C1	B	J8J	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="width: 100%; font-size: 8px;"> <tr><th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>TERM</th></tr> <tr><td>A</td><td>J77D</td><td>20</td><td>LT GN</td><td>3536590C1</td></tr> <tr><td>B</td><td>J8K</td><td>20</td><td>GY</td><td>3536590C1</td></tr> </table> <p>CONNECTOR - 3535379C1 LOCK - 3536591C1</p>				CAV	CIR	GAUGE	COLOR	TERM	A	J77D	20	LT GN	3536590C1	B	J8K	20	GY	3536590C1																																																																						
CAV	CIR	GAUGE	COLOR	TERM																																																																																																							
A	J77A	20	LT GN	3536590C1																																																																																																							
B	J8J	20	GY	3536590C1																																																																																																							
CAV	CIR	GAUGE	COLOR	TERM																																																																																																							
A	J77D	20	LT GN	3536590C1																																																																																																							
B	J8K	20	GY	3536590C1																																																																																																							
<p style="text-align: center;"><b>FUEL FILTER &amp; WARN LIGHTS (4020)</b> (LOCATED NEAR WIPER MOTOR BRACKET)</p>  <table border="1" style="width: 100%; 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>J19A</td><td>18</td><td>GY</td><td>2033819C1</td><td>1652325C1</td></tr> <tr><td>B</td><td>J19B</td><td>18</td><td>GY</td><td>2033819C1</td><td>3517771C1</td></tr> <tr><td>C</td><td>J19C</td><td>18</td><td>GY</td><td>2033819C1</td><td>1652325C1</td></tr> </table> <p>DASH HARNESS CONNECTOR - 1686834C1 LOCK - 1684408C1 PLUG - 0587578C1</p>				CAV	CIR	GAUGE	COLOR	TERM	SEAL	A	J19A	18	GY	2033819C1	1652325C1	B	J19B	18	GY	2033819C1	3517771C1	C	J19C	18	GY	2033819C1	1652325C1	<p style="text-align: center;"><b>FUEL FILTER &amp; WARN LIGHTS (4020)</b> (LOCATED NEAR WIPER MOTOR BRACKET)</p>  <table border="1" style="width: 100%; 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>J19A</td><td>18</td><td>GY</td><td>2033819C1</td><td>1652325C1</td></tr> <tr><td>B</td><td>J19B</td><td>18</td><td>GY</td><td>2033819C1</td><td>1652325C1</td></tr> <tr><td>C</td><td>J19C</td><td>18</td><td>GY</td><td>2033819C1</td><td>1652325C1</td></tr> </table> <p>ENGINE HARNESS CONNECTOR - 3553981C1 LOCK - 3554019C1 PLUG - 0587578C1</p>				CAV	CIR	GAUGE	COLOR	TERM	SEAL	A	J19A	18	GY	2033819C1	1652325C1	B	J19B	18	GY	2033819C1	1652325C1	C	J19C	18	GY	2033819C1	1652325C1																																																				
CAV	CIR	GAUGE	COLOR	TERM	SEAL																																																																																																						
A	J19A	18	GY	2033819C1	1652325C1																																																																																																						
B	J19B	18	GY	2033819C1	3517771C1																																																																																																						
C	J19C	18	GY	2033819C1	1652325C1																																																																																																						
CAV	CIR	GAUGE	COLOR	TERM	SEAL																																																																																																						
A	J19A	18	GY	2033819C1	1652325C1																																																																																																						
B	J19B	18	GY	2033819C1	1652325C1																																																																																																						
C	J19C	18	GY	2033819C1	1652325C1																																																																																																						
<p style="text-align: center;"><b>WASHER PUMP (4021)</b> (LOCATED AT WASHER BOTTLE)</p>  <table border="1" style="width: 100%; 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>1</td><td>J87B</td><td>18</td><td>GY</td><td>3554326C1</td><td>3554318C1</td></tr> <tr><td>2</td><td>J87K</td><td>18</td><td>GY</td><td>3554326C1</td><td>3554319C1</td></tr> </table> <p>CONNECTOR - 35554294C1</p>				CAV	CIR	GAUGE	COLOR	TERM	SEAL	1	J87B	18	GY	3554326C1	3554318C1	2	J87K	18	GY	3554326C1	3554319C1	<p style="text-align: center;"><b>WASHER FLUID LEVEL SENSOR (4022)</b> (LOCATED AT WASHER BOTTLE)</p>  <table border="1" style="width: 100%; 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>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> </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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1	J87B	18	GY	3554326C1	3554318C1																																																																																																						
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2	J87H	18	GY	3554322C1	3554318C1																																																																																																						
<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="width: 100%; font-size: 8px;"> <tr><th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>TERM</th></tr> <tr><td>A1</td><td>J84AH</td><td>18</td><td>GY</td><td>3565443C1</td></tr> <tr><td>A2</td><td>PLUG</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>A3</td><td>PLUG</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>B1</td><td>J84AJ</td><td>18</td><td>GY</td><td>3565443C1</td></tr> <tr><td>B2</td><td>PLUG</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>B3</td><td>PLUG</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>C1</td><td>J84AF</td><td>18</td><td>GY</td><td>3565443C1</td></tr> <tr><td>C2</td><td>PLUG</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>C3</td><td>PLUG</td><td>-</td><td>-</td><td>-</td></tr> </table> <p>CONNECTOR - 3554088C1 PLUG - 1697788C1</p> <table border="1" style="width: 100%; font-size: 8px;"> <tr><th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>TERM</th></tr> <tr><td>D1</td><td>J84AC</td><td>18</td><td>GY</td><td>3565443C1</td></tr> <tr><td>D2</td><td>J84ATC</td><td>18</td><td>GY</td><td>3565443C1</td></tr> <tr><td>D3</td><td>J84ATR</td><td>18</td><td>GY</td><td>3565443C1</td></tr> <tr><td>E1</td><td>J84AE</td><td>18</td><td>GY</td><td>3565443C1</td></tr> <tr><td>E2</td><td>J84AL</td><td>18</td><td>GY</td><td>3565443C1</td></tr> <tr><td>E3</td><td>J84AK</td><td>18</td><td>GY</td><td>3565443C1</td></tr> <tr><td>F1</td><td>J84AD</td><td>18</td><td>GY</td><td>3565443C1</td></tr> <tr><td>F2</td><td>J84AB</td><td>18</td><td>GY</td><td>3565443C1</td></tr> <tr><td>F3</td><td>J84AA</td><td>18</td><td>GY</td><td>3565443C1</td></tr> </table>								CAV	CIR	GAUGE	COLOR	TERM	A1	J84AH	18	GY	3565443C1	A2	PLUG	-	-	-	A3	PLUG	-	-	-	B1	J84AJ	18	GY	3565443C1	B2	PLUG	-	-	-	B3	PLUG	-	-	-	C1	J84AF	18	GY	3565443C1	C2	PLUG	-	-	-	C3	PLUG	-	-	-	CAV	CIR	GAUGE	COLOR	TERM	D1	J84AC	18	GY	3565443C1	D2	J84ATC	18	GY	3565443C1	D3	J84ATR	18	GY	3565443C1	E1	J84AE	18	GY	3565443C1	E2	J84AL	18	GY	3565443C1	E3	J84AK	18	GY	3565443C1	F1	J84AD	18	GY	3565443C1	F2	J84AB	18	GY	3565443C1	F3	J84AA	18	GY	3565443C1
CAV	CIR	GAUGE	COLOR	TERM																																																																																																							
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D3	J84ATR	18	GY	3565443C1																																																																																																							
E1	J84AE	18	GY	3565443C1																																																																																																							
E2	J84AL	18	GY	3565443C1																																																																																																							
E3	J84AK	18	GY	3565443C1																																																																																																							
F1	J84AD	18	GY	3565443C1																																																																																																							
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F3	J84AA	18	GY	3565443C1																																																																																																							
<table border="1" style="width: 100%; font-size: 8px;"> <tr> <th>CHK</th> <th>DATE</th> <th>CHANGE</th> <th>REV</th> <th>REFERENCE</th> <th>DRAWN</th> <th>NAME</th> <th>DATE</th> <th>PART NO.</th> <th>SHEET</th> </tr> <tr> <td>PEC</td> <td>90CT02</td> <td>DVD/3554088C1 WAS</td> <td>C</td> <td>56507Z</td> <td>U00DA69</td> <td>42/43/44/85/8600 &amp; 73/74/7500 CIRC DIAGRAMS</td> <td>26JUN00</td> <td>AE08-52376</td> <td>27</td> </tr> <tr> <td></td> <td></td> <td>2010376C1.</td> <td></td> <td></td> <td>P52778H</td> <td></td> <td></td> <td></td> <td></td> </tr> </table>								CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME	DATE	PART NO.	SHEET	PEC	90CT02	DVD/3554088C1 WAS	C	56507Z	U00DA69	42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS	26JUN00	AE08-52376	27			2010376C1.			P52778H																																																																										
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Figure 142 Connector Composites (4015), (4017), (4018), (4019), (4020), (4021), (4022), (4023)

## 12.28. CONNECTOR COMPOSITES (4024), (4030), (4031), (4032), (4033), (4040), (4041), P. 28

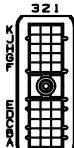






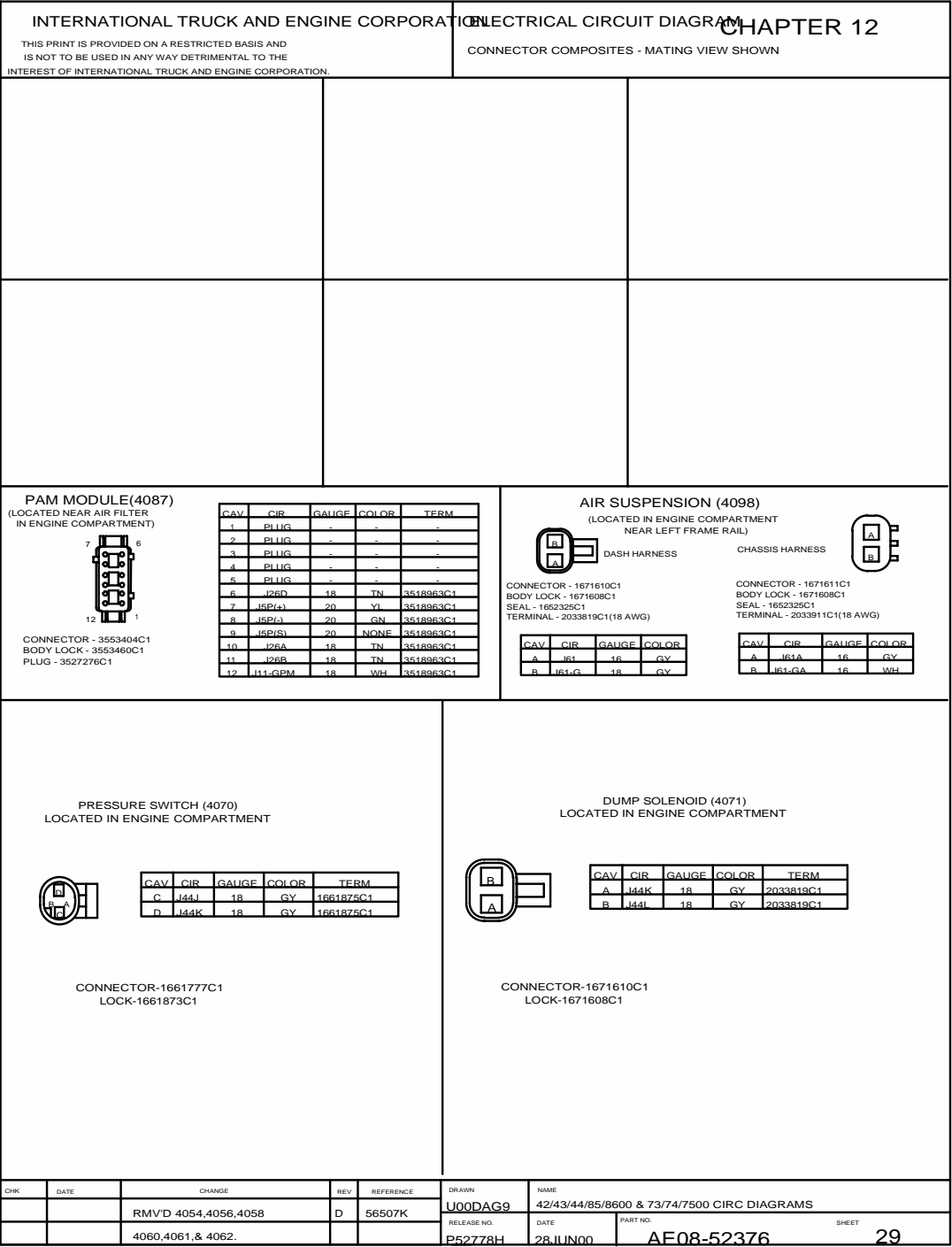
INTERNATIONAL TRUCK AND ENGINE CORPORATION				ELECTRICAL CIRCUIT DIAGRAM CHAPTER 12																																																																																																																																																																			
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<b>AIR ABS ECU #1 (4024)</b> (LOCATED NEAR EXTERIOR DASH PANEL LEFT SIDE ON ABS CONTROLLER)  <div style="margin-top: 10px;">             CONNECTOR - 3554087C1              LOCK - 1687789C1           </div>				<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>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>TERM</th> </tr> <tr><td>A1</td><td>J94-GAC</td><td>18</td><td>WH</td><td>3565443C1</td><td>F1</td><td>J94AP</td><td>18</td><td>GY</td><td>3565443C1</td></tr> <tr><td>A2</td><td>J94-GAB</td><td>18</td><td>WH</td><td>3565443C1</td><td>F2</td><td>PLUG</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>A3</td><td>J94-GAA</td><td>18</td><td>WH</td><td>3565443C1</td><td>F3</td><td>PLUG</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>B1</td><td>J94AYC</td><td>18</td><td>GY</td><td>3565443C1</td><td>G1</td><td>J94AS</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>G2</td><td>J30(+)</td><td>18</td><td>DK BL</td><td>3565443C1</td></tr> <tr><td>B3</td><td>PLUG</td><td>-</td><td>-</td><td>-</td><td>G3</td><td>J30(-)</td><td>18</td><td>GY</td><td>3565443C1</td></tr> <tr><td>C1</td><td>J94AW</td><td>18</td><td>GY</td><td>3565443C1</td><td>H1</td><td>J94AR</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>H2</td><td>J94AT</td><td>18</td><td>GY</td><td>3565443C1</td></tr> <tr><td>C3</td><td>J50(+)</td><td>20</td><td>YL</td><td>3565443C1</td><td>H3</td><td>J94AU</td><td>18</td><td>GY</td><td>3565443C1</td></tr> <tr><td>D1</td><td>J94AX</td><td>18</td><td>GY</td><td>3565443C1</td><td>J1</td><td>J94AM</td><td>18</td><td>GY</td><td>3565443C1</td></tr> <tr><td>D2</td><td>J50(S)</td><td>20</td><td>NONE</td><td>3565443C1</td><td>J2</td><td>J94AN</td><td>18</td><td>GY</td><td>3565443C1</td></tr> <tr><td>D3</td><td>J50(-)</td><td>20</td><td>GN</td><td>3565443C1</td><td>J3</td><td>PLUG</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>E1</td><td>J94AV</td><td>18</td><td>GY</td><td>3565443C1</td><td>K1</td><td>PLUG</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>E2</td><td>PLUG</td><td>-</td><td>-</td><td>-</td><td>K2</td><td>J94AYA</td><td>18</td><td>GY</td><td>3565443C1</td></tr> <tr><td>E3</td><td>PLUG</td><td>-</td><td>-</td><td>-</td><td>K3</td><td>J94AYB</td><td>18</td><td>GY</td><td>3565443C1</td></tr> </table>				CAV	CIR	GAUGE	COLOR	TERM	CAV	CIR	GAUGE	COLOR	TERM	A1	J94-GAC	18	WH	3565443C1	F1	J94AP	18	GY	3565443C1	A2	J94-GAB	18	WH	3565443C1	F2	PLUG	-	-	-	A3	J94-GAA	18	WH	3565443C1	F3	PLUG	-	-	-	B1	J94AYC	18	GY	3565443C1	G1	J94AS	18	GY	3565443C1	B2	PLUG	-	-	-	G2	J30(+)	18	DK BL	3565443C1	B3	PLUG	-	-	-	G3	J30(-)	18	GY	3565443C1	C1	J94AW	18	GY	3565443C1	H1	J94AR	18	GY	3565443C1	C2	PLUG	-	-	-	H2	J94AT	18	GY	3565443C1	C3	J50(+)	20	YL	3565443C1	H3	J94AU	18	GY	3565443C1	D1	J94AX	18	GY	3565443C1	J1	J94AM	18	GY	3565443C1	D2	J50(S)	20	NONE	3565443C1	J2	J94AN	18	GY	3565443C1	D3	J50(-)	20	GN	3565443C1	J3	PLUG	-	-	-	E1	J94AV	18	GY	3565443C1	K1	PLUG	-	-	-	E2	PLUG	-	-	-	K2	J94AYA	18	GY	3565443C1	E3	PLUG	-	-	-	K3	J94AYB	18	GY	3565443C1
CAV	CIR	GAUGE	COLOR	TERM	CAV	CIR	GAUGE	COLOR	TERM																																																																																																																																																														
A1	J94-GAC	18	WH	3565443C1	F1	J94AP	18	GY	3565443C1																																																																																																																																																														
A2	J94-GAB	18	WH	3565443C1	F2	PLUG	-	-	-																																																																																																																																																														
A3	J94-GAA	18	WH	3565443C1	F3	PLUG	-	-	-																																																																																																																																																														
B1	J94AYC	18	GY	3565443C1	G1	J94AS	18	GY	3565443C1																																																																																																																																																														
B2	PLUG	-	-	-	G2	J30(+)	18	DK BL	3565443C1																																																																																																																																																														
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C1	J94AW	18	GY	3565443C1	H1	J94AR	18	GY	3565443C1																																																																																																																																																														
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D2	J50(S)	20	NONE	3565443C1	J2	J94AN	18	GY	3565443C1																																																																																																																																																														
D3	J50(-)	20	GN	3565443C1	J3	PLUG	-	-	-																																																																																																																																																														
E1	J94AV	18	GY	3565443C1	K1	PLUG	-	-	-																																																																																																																																																														
E2	PLUG	-	-	-	K2	J94AYA	18	GY	3565443C1																																																																																																																																																														
E3	PLUG	-	-	-	K3	J94AYB	18	GY	3565443C1																																																																																																																																																														
<b>FUEL FILTER (4030)</b> (LOCATED IN ENGINE COMPARTMENT AT FUEL FILTER)  <div style="margin-top: 10px;">             CONNECTOR - 1687733C1              LOCK - 1687734C1              PLUG - 1675451C1           </div>				<b>FLOW SWITCH (4031)</b> (LOCATED NEAR BRAKE FLUID RESERVOIR)  <div style="margin-top: 10px;">             CONNECTOR - 3519587C1           </div>																																																																																																																																																																			
<b>DIFFERENTIAL PRESSURE SWITCH (4032)</b> (LOCATED NEAR BRAKE FLUID RESERVOIR)  <div style="margin-top: 10px;">             CONNECTOR ASSY INCLUDING              TERMINALS &amp; WIRES - 3516873C91           </div>				<b>HYDRAMAX PUMP RELAY (4033)</b> (LOCATED NEAR HYDRAMAX PUMP MOTOR)  <div style="margin-top: 10px;">             CONNECTOR - 1681747C91           </div>																																																																																																																																																																			
<b>WIF MODULE (4040)</b> (LOCATED NEAR EXTERIOR DASH PANEL, LEFT SIDE)  <div style="margin-top: 10px;">             CONNECTOR - 2039585C1              PLUG - 1687788C1              WIF MODULE - 1811164C2           </div>				<b>FUEL FILTER (4041)</b> (LOCATED ON FUEL FILTER)  <div style="margin-top: 10px;">             CONNECTOR ASSY INCLUDING              TERMINAL &amp; WIRE - 1684023C91           </div>																																																																																																																																																																			

Figure 143 Connector Composites (4024), (4030), (4031), (4032), (4033), (4040), (4041)

12.29. CONNECTOR COMPOSITES (4087), (4098), (4070), (4071), P. 29



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

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							
CONNECTOR - 3558022C1 SEAL - 3559074C1 LOCK - 3558056C1 SMALL PLUG - 3532129C1						ENGINE/DASH (4103)							
16 ENGINE HARNESS						V8 ENGINE HARNESS							
CAV	CIR	GAUGE	COLOR	TERM	SEAL	NOTES	CAV	CIR	GAUGE	COLOR	TERM	SEAL	NOTES
1	PLUG	-	-	-	-		1	K97LA	16	VT	3559037C1	3509903C1	
2	K99S	18	VT	3559036C1	3509903C1		2	K99S	18	VT	3559036C1	3509903C1	
3	K97K	18	VT	3559036C1	3509903C1		3	K97K	18	VT	3559036C1	3509903C1	
4	K97C	18	VT	3559036C1	3509903C1		4	K97	18	VT	3559036C1	3509903C1	
5	K99T	18	VT	3559036C1	3509903C1		5	K99T	18	VT	3559036C1	3509903C1	
6	K97R	18	VT	3559036C1	3509903C1		6	K97D	18	VT	3559036C1	3509903C1	
7	K5A(A)	20	VI	3559036C1	3532129C1		7	K55	20	VI	3559036C1	3509903C1	
8	K5A(A)	20	GN	3559036C1	3532129C1		8	K5T	20	GN	3559036C1	3509903C1	
9	K5A(S)	20	NONE	3559036C1	3532129C1		9	K5U	20	NONE	3559036C1	3509903C1	
10	K3A(A)	18	DK BL	3559036C1	3509903C1		10	K3A(A)	18	BK	3559036C1	3509903C1	
11	K3B(L)	18	GN	3559036C1	3509903C1		11	K3B(L)	18	BK	3559036C1	3509903C1	
12	K21B	18	TN	3559036C1	3509903C1		12	K97LC	16	VT	3559037C1	3509903C1	
13	K1	16	LT BL	3559037C1	3509903C1		13	K1	16	LT BL	3559037C1	3509903C1	
14	K23A	16	TN	3559037C1	3509903C1	W/AIR FAN	14	K23A	18	TN	3559036C1	3509903C1	
15	K97DF	18	VT	3559036C1	3509903C1	W/BODY BUILDER	15	K23	18	TN	3559036C1	3509903C1	
16	K24B	18	GY	3559036C1	3509903C1		16	K19B	16	GY	3559037C1	3509903C1	
17	K24A	18	GY	3559036C1	3509903C1		17	K17I	18	PK	3559036C1	3509903C1	
18	K17K	18	PK	3559036C1	3509903C1	W/OVERCRANK PROT	18	K97I	18	VT	3559036C1	3509903C1	
19	K17M	18	WH	3559036C1	3509903C1	N/OVERCRANK PROT	19	K97I	18	VT	3559036C1	3509903C1	
20	K97I	16	VT	3559037C1	3509903C1		20	K97LA	18	VT	3559036C1	3509903C1	
21	K97M	16	VT	3559037C1	3509903C1		21	K77A	16	LT GN	3559037C1	3509903C1	
22	K77A	16	LT GN	3559037C1	3509903C1		22	K26A	18	TN	3559036C1	3509903C1	
23	PLUG	-	-	-	-		23	K26B	18	TN	3559036C1	3509903C1	
24	K26A	18	TN	3559036C1	3509903C1		24	K19C	16	GY	3559037C1	3509903C1	
25	K26B	18	TN	3559036C1	3509903C1								
26	PLUG	-	-	-	-								

ENGINE/DASH (4103)						
CAV	CIR	GAUGE	COLOR	TERM	SEAL	NOTES
1	J97LA	18	VT	3509874C1	3509903C1	
1	J92RA	18	TN	3509874C1	3509903C1	
1	J99W	18	VT	3509874C1	3509903C1	
1	J30A	18	TN	3509874C1	3509903C1	
2	J99L	18	VT	3509874C1	3509903C1	
2	J99B	18	TN	3509874C1	3509903C1	
3	J93CA	18	VT	3509874C1	3509903C1	
3	J97D	18	VT	3509874C1	3509903C1	
4	J97B	18	VT	3509874C1	3509903C1	
5	J99V	18	VT	3509874C1	3509903C1	
6	J97Y	18	VT	3509874C1	3509903C1	
7	J5E(A)	20	VI	3509874C1	3509903C1	N/AIR ABS
7	J5C(A)	20	VI	3509874C1	3509903C1	W/AIR ABS
8	J5E(L)	20	GN	3509874C1	3509903C1	N/AIR ABS
8	J5C(L)	20	GN	3509874C1	3509903C1	W/AIR ABS
9	PLUG	-	-	-	-	
10	J3B(A)	18	DK BL	3509874C1	3509903C1	
11	J3B(L)	18	GY	3509874C1	3509903C1	
12	J97LC	16	VT	3559035C1	3509903C1	W/V8
12	J21F	18	TN	3509874C1	3509903C1	W/ETHER START
13	J1	18	LT BL	3509874C1	3509903C1	
13	J97DE	18	TN	3509874C1	3509903C1	
14	J23ES	18	TN	3509874C1	3509903C1	W/AIR FAN
14	J23A	18	TN	3509874C1	3509903C1	W/ELECT FAN
15	J23	18	TN	3509874C1	3509903C1	W/ELECT FAN
15	J24B	18	GY	3509874C1	3509903C1	W/EXHAUST BRAKE
15	J1M17I	18	PK	3509874C1	3509903C1	
15	J23	18	TN	3509874C1	3509903C1	
16	J19A	16	GY	3559035C1	3509903C1	W/V8
16	J24A	18	GY	3509874C1	3509903C1	W/EXHAUST BRAKE
16	J17S	18	PK	3509874C1	3509903C1	
16	J92RB	16	TN	3559035C1	3509903C1	
16	J19A	14	GY	3559035C1	3509903C1	
17	J17S	18	PK	3509874C1	3509903C1	
17	J17F	14	PK	3559035C1	3509903C1	
18	J97I	18	VT	3509874C1	3509903C1	W/V8
18	J97T	18	VT	3509874C1	3509903C1	W/V8
18	J17G	14	PK	3559035C1	3509903C1	
19	J97LA	18	VT	3509874C1	3509903C1	W/V8
19	J97L	18	VT	3509874C1	3509903C1	W/V8
19	J97RB	18	VT	3509874C1	3509903C1	
20	J27B	16	LT GN	3559035C1	3509903C1	
21	J97H	18	VT	3509874C1	3509903C1	
22	J26A	18	TN	3509874C1	3509903C1	
23	J26B	18	TN	3509874C1	3509903C1	
24	J19C	18	GY	3509874C1	3509903C1	

ENGINE/DASH (4103)						
CAV	CIR	GAUGE	COLOR	TERM	SEAL	NOTES
1	PLUG	-	-	-	-	
2	K99S	18	VT	3559036C1	3509903C1	
3	K97K	18	VT	3559036C1	3509903C1	
4	K97C	18	VT	3559036C1	3509903C1	
5	K99T	18	VT	3559036C1	3509903C1	
6	K97R	18	VT	3559036C1	3509903C1	
7	K5A(A)	20	VI	3559036C1	3532129C1	
8	K5A(A)	20	GN	3559036C1	3532129C1	
9	K5A(S)	20	NONE	3559036C1	3532129C1	
10	K3A(A)	18	DK BL	3559036C1	3509903C1	
11	K3B(L)	18	GN	3559036C1	3509903C1	
12	K21B	18	TN	3559036C1	3509903C1	
13	K1	16	LT BL	3559037C1	3509903C1	
14	K23A	16	TN	3559037C1	3509903C1	W/AIR FAN
15	K97DF	18	VT	3559036C1	3509903C1	W/BODY BUILDER
16	K24B	18	GY	3559036C1	3509903C1	
17	K24A	18	GY	3559036C1	3509903C1	
18	K17K	18	PK	3559036C1	3509903C1	W/OVERCRANK PROT
19	K17M	18	WH	3559036C1	3509903C1	N/OVERCRANK PROT
20	K97I	16	VT	3559037C1	3509903C1	
21	K97M	16	VT	3559037C1	3509903C1	
22	K77A	16	LT GN	3559037C1	3509903C1	
23	PLUG	-	-	-	-	
24	K26A	18	TN	3559036C1	3509903C1	
25	K26B	18	TN	3559036C1	3509903C1	
26	PLUG	-	-	-	-	

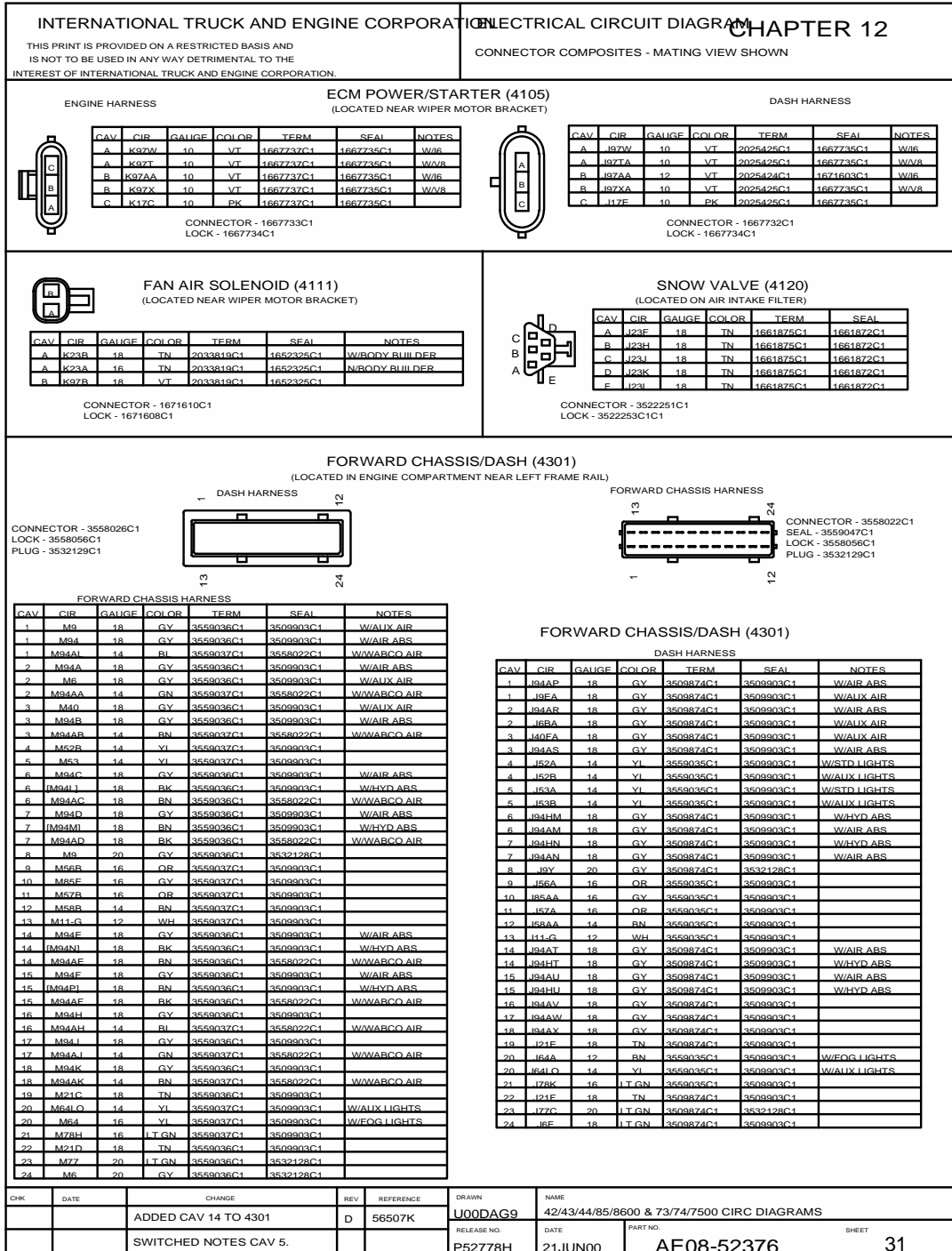
CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
		ADDED & RMVD MULTIPLE	D	56507K	U00DAG9	42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS
		CIRS TO (4103).			P52778H	28 JUN00

PART NO.	SHEET
AF08-52376	30

Figure 145 Connector Composite (4103)

## 12.31. CONNECTOR COMPOSITES (4105), (4111), (4120), (4301), P. 31



**Figure 146 Connector Composites (4105), (4111), (4120), (4301)**

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

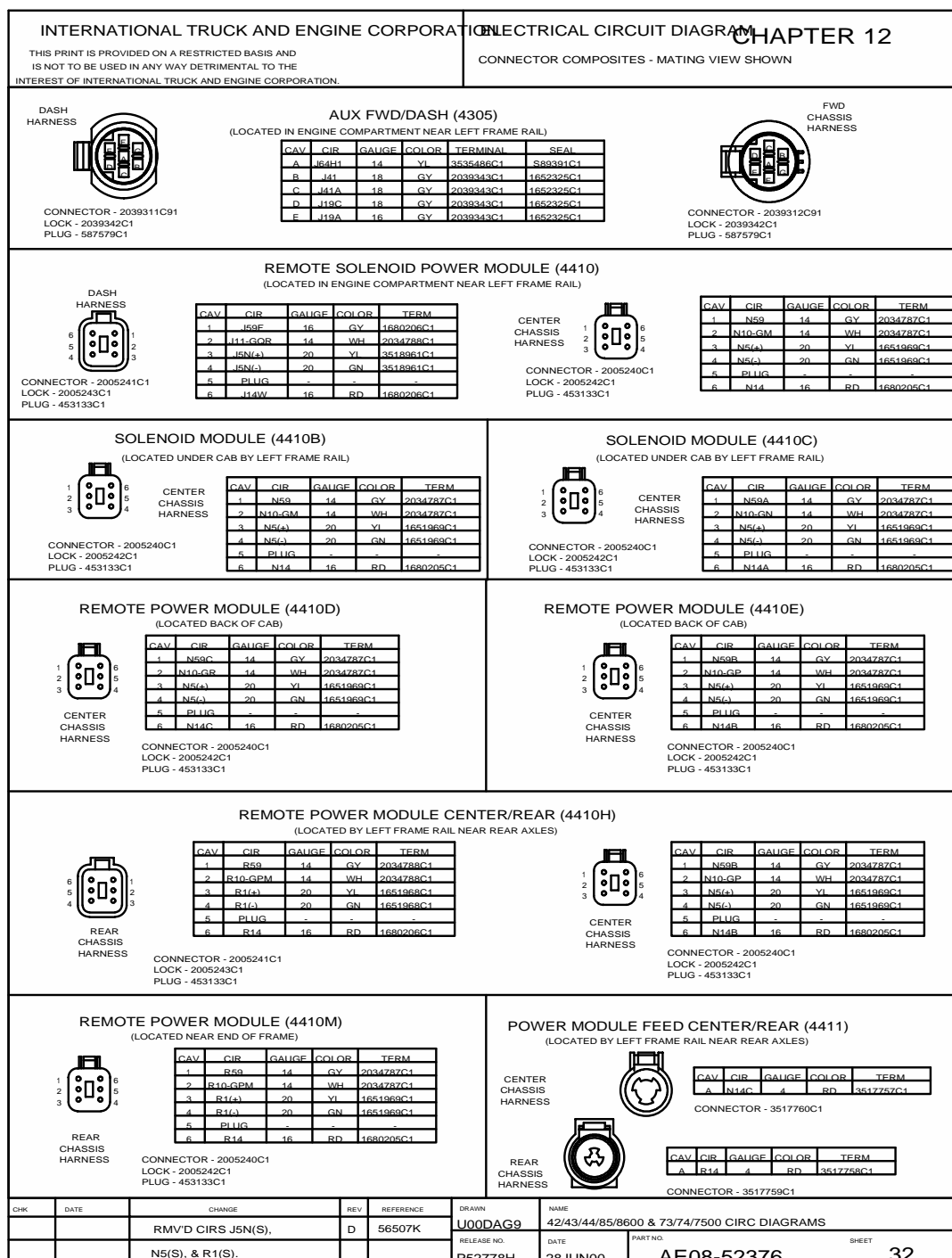
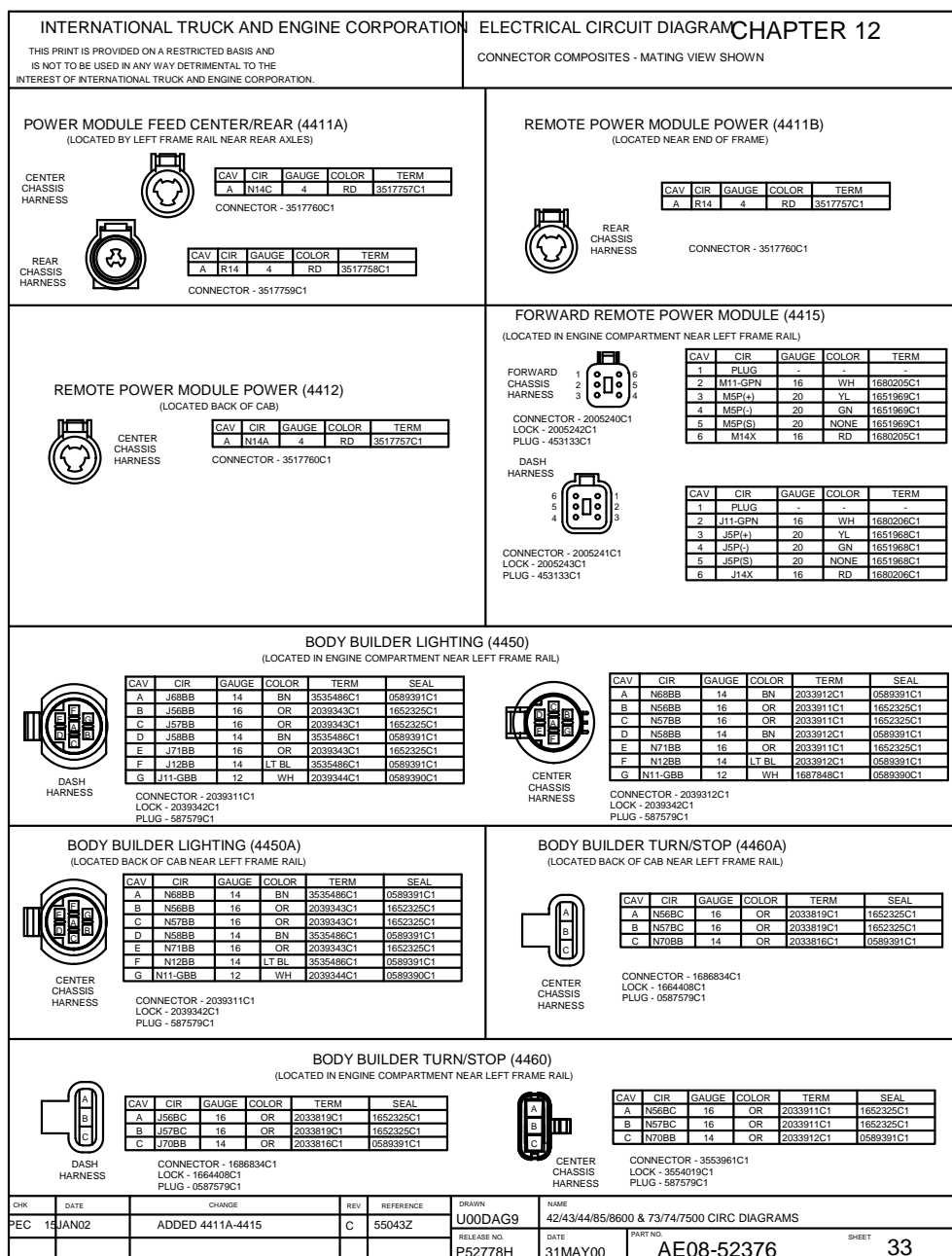


Figure 147 Connector Composites (4305), (4410), (4410B), (4410C), (4410D), (4410E), (4410H), (4410M), (4411)



## 12.33. CONNECTOR COMPOSITES (4411A), (4411B), (4412), (4415), (4450), (4450A), (4460A), (4460), P. 33


**Figure 148 Connector Composites (4411A), (4411B), (4412), (4415), (4450), (4450A), (4460A), (4460)**

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

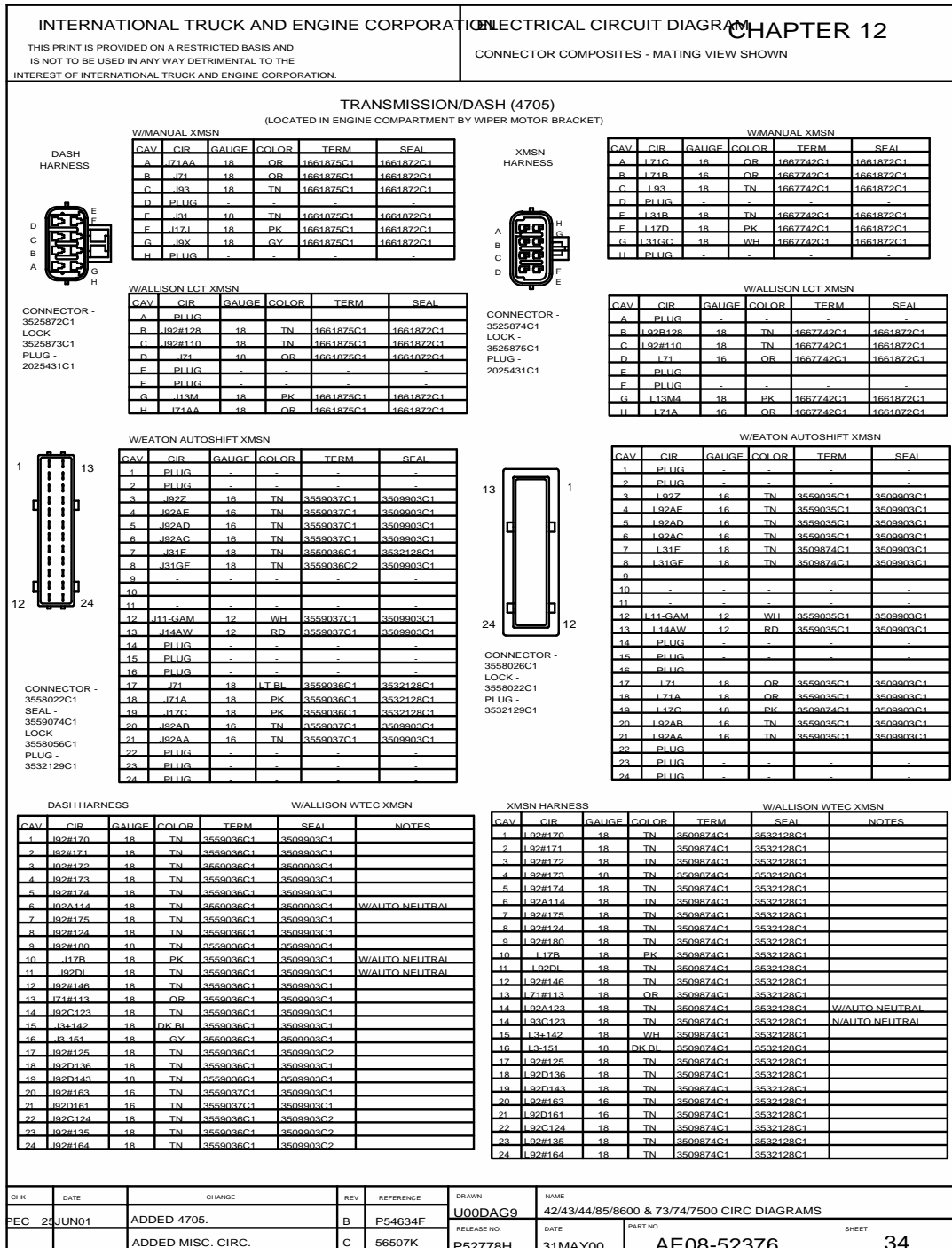


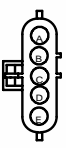
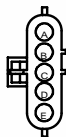
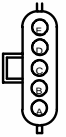


Figure 149 Connector Composite (4705)

## 12.35. CONNECTOR COMPOSITES (4810), (4820), (4830), (4840), (4850), (4900), P. 35

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>BACKUP LIGHT TURN SIGNAL SPLICE (4810)</b> (LOCATED NEAR POWER DISTRIBUTION CENTER)				<b>J1708 &amp; 5 VOLT REF SPLICE (4820)</b> (LOCATED NEAR WIPER MOTOR BRACKET)																																																																																																																																																			
<div style="margin-top: 5px;">             CONNECTOR - 3543733C1              LOCK - 3543732C1              PLUG - 3535425C1              BUS BAR - 3543736C1           </div>				<div style="margin-top: 5px;">             CONNECTOR - 3543733C1              LOCK - 3543732C1              PLUG - 3535425C1              BUS BAR - 3543736C1           </div>																																																																																																																																																			
CAV	CIR	GAUGE	COLOR	TERM	SEAL	NOTES																																																																																																																																																	
<table border="1" style="width: 100%; font-size: x-small;"> <tr> <td>RIGHT TURN BUS BAR</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr><td>A J57AA</td><td>16</td><td>OR</td><td>3535303C1</td><td>3535424C1</td><td></td><td></td><td></td></tr> <tr><td>B J57A</td><td>16</td><td>OR</td><td>3535303C1</td><td>3535424C1</td><td></td><td></td><td></td></tr> <tr><td>C J57H</td><td>16</td><td>OR</td><td>3535303C1</td><td>3535424C1</td><td></td><td></td><td></td></tr> <tr><td>D J57BC</td><td>16</td><td>OR</td><td>3535303C1</td><td>3535424C1</td><td></td><td></td><td></td></tr> <tr><td>LEFT TURN BUS BAR</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>E J56AA</td><td>16</td><td>OR</td><td>3535303C1</td><td>3535424C1</td><td></td><td></td><td></td></tr> <tr><td>F J56A</td><td>16</td><td>OR</td><td>3535303C1</td><td>3535424C1</td><td></td><td></td><td></td></tr> <tr><td>G J56H</td><td>16</td><td>OR</td><td>3535303C1</td><td>3535424C1</td><td></td><td></td><td></td></tr> <tr><td>H J56BC</td><td>16</td><td>OR</td><td>3535303C1</td><td>3535424C1</td><td></td><td></td><td></td></tr> <tr><td>UP LIGHT BUS BAR</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>I J71A</td><td>18</td><td>OR</td><td>3535303C1</td><td>3535424C1</td><td></td><td></td><td></td></tr> <tr><td>J J71B</td><td>18</td><td>OR</td><td>3535303C1</td><td>3535424C1</td><td></td><td></td><td></td></tr> <tr><td>K J71AA</td><td>18</td><td>OR</td><td>3535303C1</td><td>3535424C1</td><td></td><td></td><td>W/MANUAL XMSN</td></tr> <tr><td>L J71A</td><td>18</td><td>OR</td><td>3535303C1</td><td>3535424C1</td><td></td><td></td><td>W/ALLISON LCT</td></tr> <tr><td>M J71B</td><td>18</td><td>OR</td><td>3535303C1</td><td>3535424C1</td><td></td><td></td><td>W/ALLISON WTEC</td></tr> <tr><td>N J71A</td><td>18</td><td>PK</td><td>3535303C1</td><td>3535424C1</td><td></td><td></td><td>W/EATON AUTOSHIFT</td></tr> <tr><td>M PLUG</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td></td><td></td></tr> </table>								RIGHT TURN BUS BAR								A J57AA	16	OR	3535303C1	3535424C1				B J57A	16	OR	3535303C1	3535424C1				C J57H	16	OR	3535303C1	3535424C1				D J57BC	16	OR	3535303C1	3535424C1				LEFT TURN BUS BAR								E J56AA	16	OR	3535303C1	3535424C1				F J56A	16	OR	3535303C1	3535424C1				G J56H	16	OR	3535303C1	3535424C1				H J56BC	16	OR	3535303C1	3535424C1				UP LIGHT BUS BAR								I J71A	18	OR	3535303C1	3535424C1				J J71B	18	OR	3535303C1	3535424C1				K J71AA	18	OR	3535303C1	3535424C1			W/MANUAL XMSN	L J71A	18	OR	3535303C1	3535424C1			W/ALLISON LCT	M J71B	18	OR	3535303C1	3535424C1			W/ALLISON WTEC	N J71A	18	PK	3535303C1	3535424C1			W/EATON AUTOSHIFT	M PLUG	-	-	-	-	-		
RIGHT TURN BUS BAR																																																																																																																																																							
A J57AA	16	OR	3535303C1	3535424C1																																																																																																																																																			
B J57A	16	OR	3535303C1	3535424C1																																																																																																																																																			
C J57H	16	OR	3535303C1	3535424C1																																																																																																																																																			
D J57BC	16	OR	3535303C1	3535424C1																																																																																																																																																			
LEFT TURN BUS BAR																																																																																																																																																							
E J56AA	16	OR	3535303C1	3535424C1																																																																																																																																																			
F J56A	16	OR	3535303C1	3535424C1																																																																																																																																																			
G J56H	16	OR	3535303C1	3535424C1																																																																																																																																																			
H J56BC	16	OR	3535303C1	3535424C1																																																																																																																																																			
UP LIGHT BUS BAR																																																																																																																																																							
I J71A	18	OR	3535303C1	3535424C1																																																																																																																																																			
J J71B	18	OR	3535303C1	3535424C1																																																																																																																																																			
K J71AA	18	OR	3535303C1	3535424C1			W/MANUAL XMSN																																																																																																																																																
L J71A	18	OR	3535303C1	3535424C1			W/ALLISON LCT																																																																																																																																																
M J71B	18	OR	3535303C1	3535424C1			W/ALLISON WTEC																																																																																																																																																
N J71A	18	PK	3535303C1	3535424C1			W/EATON AUTOSHIFT																																																																																																																																																
M PLUG	-	-	-	-	-																																																																																																																																																		
<b>ELECTRONIC REF GROUND SPLICE (4830)</b> (LOCATED NEAR POWER DISTRIBUTION CENTER)				<b>RELAY COIL IGNITION SPLICE (4840)</b> (LOCATED INSIDE POWER DISTRIBUTION CENTER)																																																																																																																																																			
<div style="margin-top: 5px;">             CONNECTOR - 3543730C1              LOCK - 3543732C1              PLUG - 3535425C1              BUS BAR - 3543735C1           </div>				<div style="margin-top: 5px;">             CONNECTOR - 2006789C1              LOCK - 2006792C1              COVER - 2006790C1              BUS BAR - 2006791C1           </div>																																																																																																																																																			
CAV	CIR	GAUGE	COLOR	TERM	SEAL	NOTES																																																																																																																																																	
<table border="1" style="width: 100%; font-size: x-small;"> <tr> <td>A J9G</td><td>18</td><td>GY</td><td>3535303C1</td><td>3535424C1</td><td></td><td></td><td></td> </tr> <tr> <td>B J9A</td><td>18</td><td>GY</td><td>3535303C1</td><td>3535424C1</td><td></td><td></td><td></td> </tr> <tr><td>C PLUG</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td></td><td></td></tr> <tr><td>D J9FA</td><td>18</td><td>GY</td><td>3535303C1</td><td>3535424C1</td><td></td><td></td><td></td></tr> <tr><td>E PLUG</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td></td><td></td></tr> <tr><td>F PLUG</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td></td><td></td></tr> <tr><td>G J9I</td><td>20</td><td>GY</td><td>3535302C1</td><td>3535424C1</td><td></td><td></td><td></td></tr> <tr><td>H J9K</td><td>20</td><td>GY</td><td>3535302C1</td><td>3535424C1</td><td></td><td></td><td></td></tr> <tr><td>I J9V</td><td>20</td><td>GY</td><td>3535302C1</td><td>3535424C1</td><td></td><td></td><td></td></tr> <tr><td>K PLUG</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td></td><td></td></tr> <tr><td>L J9X</td><td>18</td><td>GY</td><td>3535303C1</td><td>3535424C1</td><td></td><td></td><td></td></tr> <tr><td>M J9TH</td><td>18</td><td>GY</td><td>3535303C1</td><td>3535424C1</td><td></td><td></td><td></td></tr> </table>								A J9G	18	GY	3535303C1	3535424C1				B J9A	18	GY	3535303C1	3535424C1				C PLUG	-	-	-	-	-			D J9FA	18	GY	3535303C1	3535424C1				E PLUG	-	-	-	-	-			F PLUG	-	-	-	-	-			G J9I	20	GY	3535302C1	3535424C1				H J9K	20	GY	3535302C1	3535424C1				I J9V	20	GY	3535302C1	3535424C1				K PLUG	-	-	-	-	-			L J9X	18	GY	3535303C1	3535424C1				M J9TH	18	GY	3535303C1	3535424C1																																																			
A J9G	18	GY	3535303C1	3535424C1																																																																																																																																																			
B J9A	18	GY	3535303C1	3535424C1																																																																																																																																																			
C PLUG	-	-	-	-	-																																																																																																																																																		
D J9FA	18	GY	3535303C1	3535424C1																																																																																																																																																			
E PLUG	-	-	-	-	-																																																																																																																																																		
F PLUG	-	-	-	-	-																																																																																																																																																		
G J9I	20	GY	3535302C1	3535424C1																																																																																																																																																			
H J9K	20	GY	3535302C1	3535424C1																																																																																																																																																			
I J9V	20	GY	3535302C1	3535424C1																																																																																																																																																			
K PLUG	-	-	-	-	-																																																																																																																																																		
L J9X	18	GY	3535303C1	3535424C1																																																																																																																																																			
M J9TH	18	GY	3535303C1	3535424C1																																																																																																																																																			
<b>COMBINATION TURN STOP (4850)</b> (LOCATED NEAR POWER DISTRIBUTION CENTER)				<b>WABCO AIR ABS POWER (4900)</b>																																																																																																																																																			
<div style="margin-top: 5px;">             CONNECTOR - 3543733C1              LOCK - 3543732C1              PLUG - 3535425C1              BUS BAR - 3543736C1           </div>				<div style="margin-top: 5px;">             CONNECTOR - 1661375C2              BODY LOCK - 1661376C1              SEAL - 0589391C1 (14 AWG)              - 0589390C1 (12 AWG)              - 3517771C1 (18 AWG)              TERM - 2033816C1 (14 &amp; 12 AWG)              - 2033819C1 (18 AWG)           </div>																																																																																																																																																			
CAV	CIR	GAUGE	COLOR	TERM	SEAL	NOTES																																																																																																																																																	
<table border="1" style="width: 100%; font-size: x-small;"> <tr> <td>RIGHT TURN STOP BUS BAR</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr><td>A J57J</td><td>16</td><td>OR</td><td>3535303C1</td><td>3535424C1</td><td></td><td></td><td></td></tr> <tr><td>B J57B</td><td>16</td><td>OR</td><td>3535303C1</td><td>3535424C1</td><td></td><td></td><td></td></tr> <tr><td>C J57K</td><td>16</td><td>OR</td><td>3535303C1</td><td>3535424C1</td><td></td><td></td><td></td></tr> <tr><td>D J57BB</td><td>16</td><td>OR</td><td>3535303C1</td><td>3535424C1</td><td></td><td></td><td></td></tr> <tr><td>LEFT TURN STOP BUS BAR</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>E J56J</td><td>16</td><td>OR</td><td>3535303C1</td><td>3535424C1</td><td></td><td></td><td></td></tr> <tr><td>F J56B</td><td>16</td><td>OR</td><td>3535303C1</td><td>3535424C1</td><td></td><td></td><td></td></tr> <tr><td>G J56K</td><td>16</td><td>OR</td><td>3535303C1</td><td>3535424C1</td><td></td><td></td><td></td></tr> <tr><td>H J56BB</td><td>16</td><td>OR</td><td>3535303C1</td><td>3535424C1</td><td></td><td></td><td></td></tr> <tr><td>UNUSED BUS BAR</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>I PLUG</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td></td><td></td></tr> <tr><td>K PLUG</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td></td><td></td></tr> <tr><td>L PLUG</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td></td><td></td></tr> <tr><td>M PLUG</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td></td><td></td></tr> </table>								RIGHT TURN STOP BUS BAR								A J57J	16	OR	3535303C1	3535424C1				B J57B	16	OR	3535303C1	3535424C1				C J57K	16	OR	3535303C1	3535424C1				D J57BB	16	OR	3535303C1	3535424C1				LEFT TURN STOP BUS BAR								E J56J	16	OR	3535303C1	3535424C1				F J56B	16	OR	3535303C1	3535424C1				G J56K	16	OR	3535303C1	3535424C1				H J56BB	16	OR	3535303C1	3535424C1				UNUSED BUS BAR								I PLUG	-	-	-	-	-			K PLUG	-	-	-	-	-			L PLUG	-	-	-	-	-			M PLUG	-	-	-	-	-																										
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E J56J	16	OR	3535303C1	3535424C1																																																																																																																																																			
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		J94AC(-) TO (4820).			P52778H	31MAY00	AF08-52376 35																																																																																																																																																

**Figure 150 Connector Composites (4810), (4820), (4830), (4840), (4850), (4900)**

## 12.36. CONNECTOR COMPOSITES (4910), (4950), (4951), (4900), P. 36

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>WABCO AIR ABS POWER CONN (4900) (LOCATED NEAR CHASSIS/DASH CONN)</p>  <p>CONNECTOR - 1677851C1 LOCK - 1677914C1</p> <table border="1" style="margin: auto; font-size: 8px;"> <thead> <tr> <th>CAV</th> <th>CIR</th> <th>GAUGE</th> <th>COLOR</th> <th>TERM</th> <th>SEAL</th> <th>PLUG</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>N94AA</td> <td>14</td> <td>PK</td> <td>2033812C1</td> <td>0589391C1</td> <td>-</td> </tr> <tr> <td>B</td> <td>N94AB</td> <td>14</td> <td>PK</td> <td>2033812C1</td> <td>0589391C1</td> <td>-</td> </tr> <tr> <td>C</td> <td>N94GA</td> <td>12</td> <td>WH</td> <td>1687848C1</td> <td>0589390C1</td> <td>-</td> </tr> <tr> <td>D</td> <td>PLUG</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>0587579C1</td> </tr> <tr> <td>E</td> <td>PLUG</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>0587579C1</td> </tr> </tbody> </table>								CAV	CIR	GAUGE	COLOR	TERM	SEAL	PLUG	A	N94AA	14	PK	2033812C1	0589391C1	-	B	N94AB	14	PK	2033812C1	0589391C1	-	C	N94GA	12	WH	1687848C1	0589390C1	-	D	PLUG	-	-	-	-	0587579C1	E	PLUG	-	-	-	-	0587579C1																														
CAV	CIR	GAUGE	COLOR	TERM	SEAL	PLUG																																																																									
A	N94AA	14	PK	2033812C1	0589391C1	-																																																																									
B	N94AB	14	PK	2033812C1	0589391C1	-																																																																									
C	N94GA	12	WH	1687848C1	0589390C1	-																																																																									
D	PLUG	-	-	-	-	0587579C1																																																																									
E	PLUG	-	-	-	-	0587579C1																																																																									
<p>HYD ABS (4910) (LOCATED IN ENGINE COMPARTMENT NEAR LEFT FRAME RAIL)</p> <div style="display: flex; justify-content: space-around; align-items: flex-start;"> <div style="text-align: center;">  <p>CENTER CHASSIS HARNESS</p> <p>CONNECTOR - 1677851C1 LOCK - 1677914C1</p> <table border="1" style="margin: auto; font-size: 8px;"> <thead> <tr> <th>CAV</th> <th>CIR</th> <th>GAUGE</th> <th>COLOR</th> <th>TERM</th> <th>SEAL</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>N94AP</td> <td>12</td> <td>GY</td> <td>1687848C1</td> <td>0589390C1</td> </tr> <tr> <td>B</td> <td>N94AN</td> <td>12</td> <td>GY</td> <td>1687848C1</td> <td>0589390C1</td> </tr> <tr> <td>C</td> <td>N94GA</td> <td>14</td> <td>GY</td> <td>2033812C1</td> <td>0589391C1</td> </tr> <tr> <td>D</td> <td>N94GA</td> <td>12</td> <td>GY</td> <td>1687848C1</td> <td>0589390C1</td> </tr> <tr> <td>E</td> <td>N94GB</td> <td>10</td> <td>GY</td> <td>1687848C1</td> <td>0589390C1</td> </tr> </tbody> </table> </div> <div style="text-align: center;">  <p>DASH HARNESS</p> <p>CONNECTOR - 1661375C2 LOCK - 1661376C1</p> <table border="1" style="margin: auto; font-size: 8px;"> <thead> <tr> <th>CAV</th> <th>CIR</th> <th>GAUGE</th> <th>COLOR</th> <th>TERM</th> <th>SEAL</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>B94H</td> <td>12</td> <td>GY</td> <td>2033816C1</td> <td>0589390C1</td> </tr> <tr> <td>B</td> <td>B94HS</td> <td>12</td> <td>GY</td> <td>2033816C1</td> <td>0589390C1</td> </tr> <tr> <td>C</td> <td>B94GHA</td> <td>14</td> <td>WH</td> <td>2033816C1</td> <td>0589391C1</td> </tr> <tr> <td>D</td> <td>B94GHB</td> <td>12</td> <td>WH</td> <td>2033816C1</td> <td>0589390C1</td> </tr> <tr> <td>E</td> <td>B94GHC</td> <td>12</td> <td>WH</td> <td>2033816C1</td> <td>0589390C1</td> </tr> </tbody> </table> </div> </div>								CAV	CIR	GAUGE	COLOR	TERM	SEAL	A	N94AP	12	GY	1687848C1	0589390C1	B	N94AN	12	GY	1687848C1	0589390C1	C	N94GA	14	GY	2033812C1	0589391C1	D	N94GA	12	GY	1687848C1	0589390C1	E	N94GB	10	GY	1687848C1	0589390C1	CAV	CIR	GAUGE	COLOR	TERM	SEAL	A	B94H	12	GY	2033816C1	0589390C1	B	B94HS	12	GY	2033816C1	0589390C1	C	B94GHA	14	WH	2033816C1	0589391C1	D	B94GHB	12	WH	2033816C1	0589390C1	E	B94GHC	12	WH	2033816C1	0589390C1
CAV	CIR	GAUGE	COLOR	TERM	SEAL																																																																										
A	N94AP	12	GY	1687848C1	0589390C1																																																																										
B	N94AN	12	GY	1687848C1	0589390C1																																																																										
C	N94GA	14	GY	2033812C1	0589391C1																																																																										
D	N94GA	12	GY	1687848C1	0589390C1																																																																										
E	N94GB	10	GY	1687848C1	0589390C1																																																																										
CAV	CIR	GAUGE	COLOR	TERM	SEAL																																																																										
A	B94H	12	GY	2033816C1	0589390C1																																																																										
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C	B94GHA	14	WH	2033816C1	0589391C1																																																																										
D	B94GHB	12	WH	2033816C1	0589390C1																																																																										
E	B94GHC	12	WH	2033816C1	0589390C1																																																																										
<p>BENDIX AUTO TRACTION CONTROL (4950) (LOCATED NEAR REAR AXLES)</p> <div style="text-align: center;">  <p>CONNECTOR - 3518182C1 LOCK - 3518184C1</p> <table border="1" style="margin: auto; font-size: 8px;"> <thead> <tr> <th>CAV</th> <th>CIR</th> <th>GAUGE</th> <th>COLOR</th> <th>TERM</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>R94RD</td> <td>16</td> <td>BN</td> <td>3518963C1</td> </tr> <tr> <td>2</td> <td>R94RE</td> <td>16</td> <td>YL</td> <td>3518963C1</td> </tr> </tbody> </table> </div>				CAV	CIR	GAUGE	COLOR	TERM	1	R94RD	16	BN	3518963C1	2	R94RE	16	YL	3518963C1	<p>WABCO AUTO TRACTION CONTROL (4951) (LOCATED NEAR REAR AXLES)</p> <div style="text-align: center;">  <p>PURCHASED ASSEMBLY P/N 3519669C1</p> <table border="1" style="margin: auto; font-size: 8px;"> <thead> <tr> <th>CAV</th> <th>CIR</th> <th>GAUGE</th> <th>COLOR</th> <th>TERM</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>R94AWX</td> <td>16</td> <td>GY</td> <td>P/O ASSY</td> </tr> <tr> <td>2</td> <td>R94AWZ</td> <td>16</td> <td>GY</td> <td>P/O ASSY</td> </tr> </tbody> </table> </div>				CAV	CIR	GAUGE	COLOR	TERM	1	R94AWX	16	GY	P/O ASSY	2	R94AWZ	16	GY	P/O ASSY																																										
CAV	CIR	GAUGE	COLOR	TERM																																																																											
1	R94RD	16	BN	3518963C1																																																																											
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CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
		4900 WAS 4952. N94-GA	D	56507K	U00EDL2	42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS
		WAS 10AWG RMVD N94ATC			P52778H	DATE: 31MAY00 PART NO. AF08-52376 SHEET 36

Figure 151 Connector Composites (4910), (4950), (4951), (4900)

12.37. CONNECTOR COMPOSITES (6007), (6011), P. 37

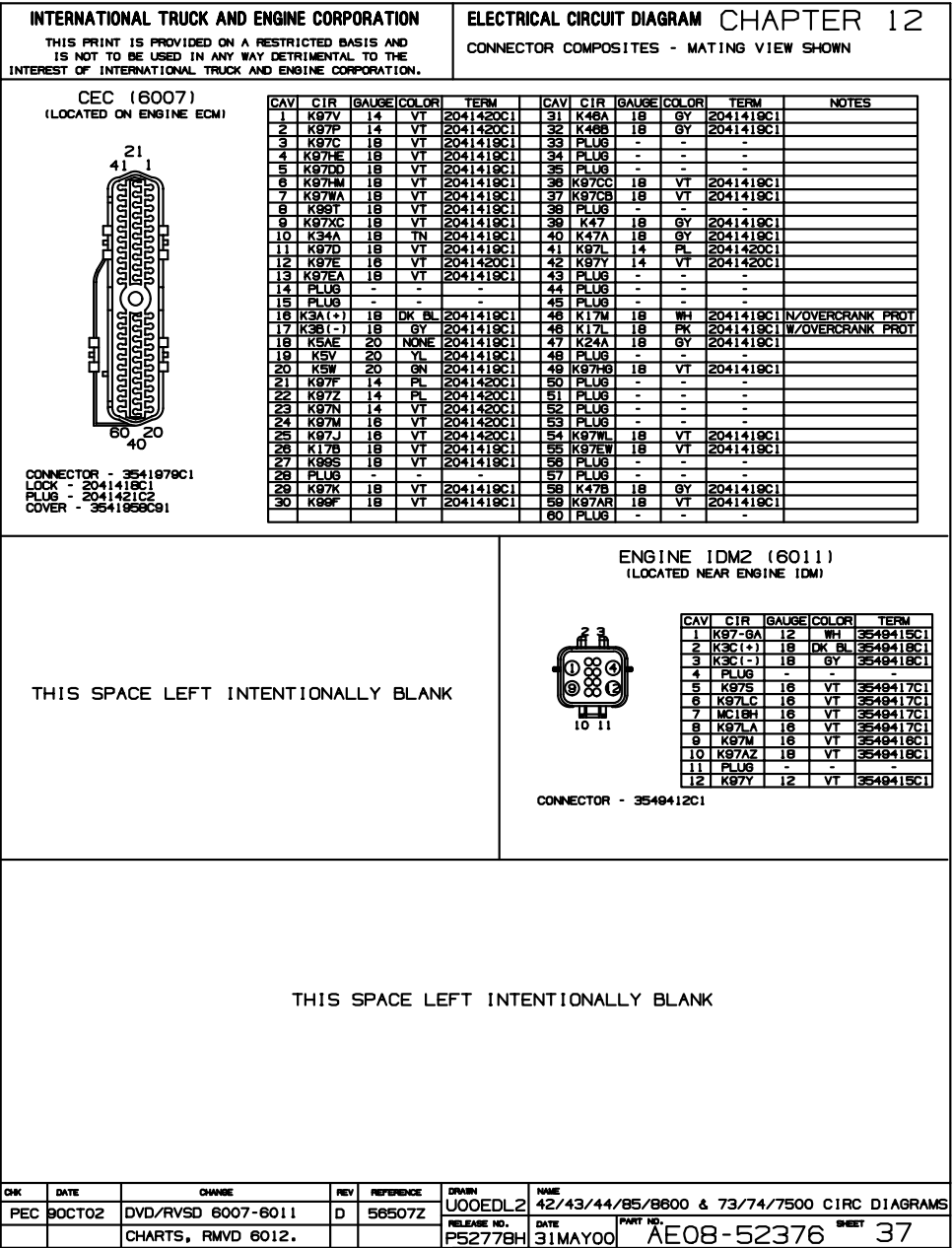


Figure 152 Connector Composites (6007), (6011)

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

INTERNATIONAL TRUCK AND ENGINE CORPORATION

ELECTRICAL CIRCUIT DIAGRAM CHAPTER 12

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CONNECTOR COMPOSITES - MATING VIEW SHOWN

ECM CONN (6013M)

CONNECTOR - 3528986C1  
PLUG - 2023143C1

CAV	CIR	GAUGE	COLOR	TERM	CAV	CIR	GAUGE	COLOR	TERM
1	PLUG				36	PLUG			
2	K34B	16	TN	3528986C1	37	PLUG			
3	PLUG				38	PLUG			
4	K97P	18	VT	3528986C1	39	PLUG			
5	K97YA	18	VT	3528986C1	40	PLUG			
6	PLUG				41	PLUG			
7	PLUG				42	PLUG			
8	K3A(+)	18	DK BL	3528986C1	43	PLUG			
9	K3B(-)	18	GY	3528986C1	44	PLUG			
10	PLUG				45	PLUG			
11	K23N	16	TN	3528986C1	46	PLUG			
12	PLUG				47	PLUG			
13	PLUG				48	PLUG			
14	PLUG				49	K34C	16	TN	3528986C1
15	PLUG				50	K5V	20	YL	3547816C1
16	PLUG				51	PLUG			
17	PLUG				52	K97AS	14	VT	3528986C1
18	PLUG				53	K97AT	14	VT	3528986C1
19	PLUG				54	K34D	16	TN	3528986C1
20	PLUG				55	PLUG			
21	PLUG				56	PLUG			
22	PLUG				57	PLUG			
23	PLUG				58	PLUG			
24	PLUG				59	PLUG			
25	PLUG				60	PLUG			
26	PLUG				61	PLUG			
27	PLUG				62	K97AD	18	VT	3528986C1
28	PLUG				63	PLUG			
29	PLUG				64	PLUG			
30	PLUG				65	K97-GD	14	WH	3528986C1
31	PLUG				66	K99V	18	VT	3528986C1
32	K47A	16	GY	3528986C1	67	K97-GE	14	WH	3528986C1
33	K47A	16	GY	3528986C1	68	PLUG			
34	K5W	20	GN	3547816C1	69	PLUG			
35	PLUG				70	K97U	18	VT	3528986C1

ENGINE CONTROLLER  
6014)

CONNECTOR - 3555048C1  
PLUG - 3527276C1  
TERMINAL - 3518663C1

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	K34-6B	16	WH
8	PLUG			33	PLUG		
9	K99V	18	VT	34	K97Q	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	K97AD	18	VT	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		

CHK	DATE	CHANGE	REV	REFERENCE	DRWN	NAME	DATE	DATE	DATE
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PEC	15JAN02	ADDED 6013M.	C	55043Z	U00EDL2	42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS			
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PEC	30CT02	ADDED 6014.	D	56507Z	P5277BH	31MAY00	AE08-52376	38	
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Figure 153 Connector Composites (6013M), (6014)

12.39. CONNECTOR COMPOSITES (6015), (6020), (6021), P. 39

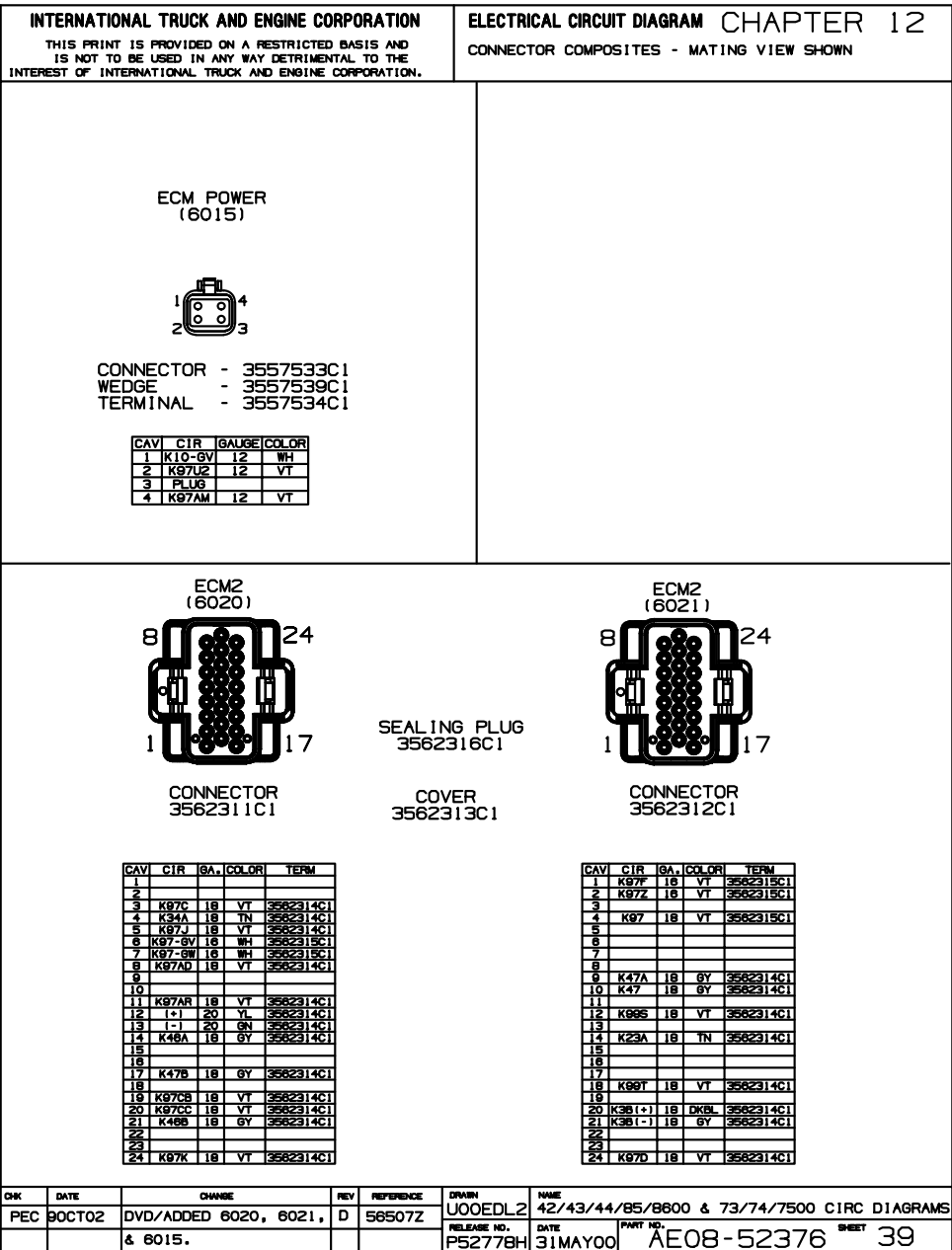


Figure 154 Connector Composites (6015), (6020), (6021)

# 12.40. CONNECTOR COMPOSITES (6200), (6316), (6323), (6332), (6333), (6334), (6400), (6401), (6406), (6407), (6407D), (6409), (6500), P. 40

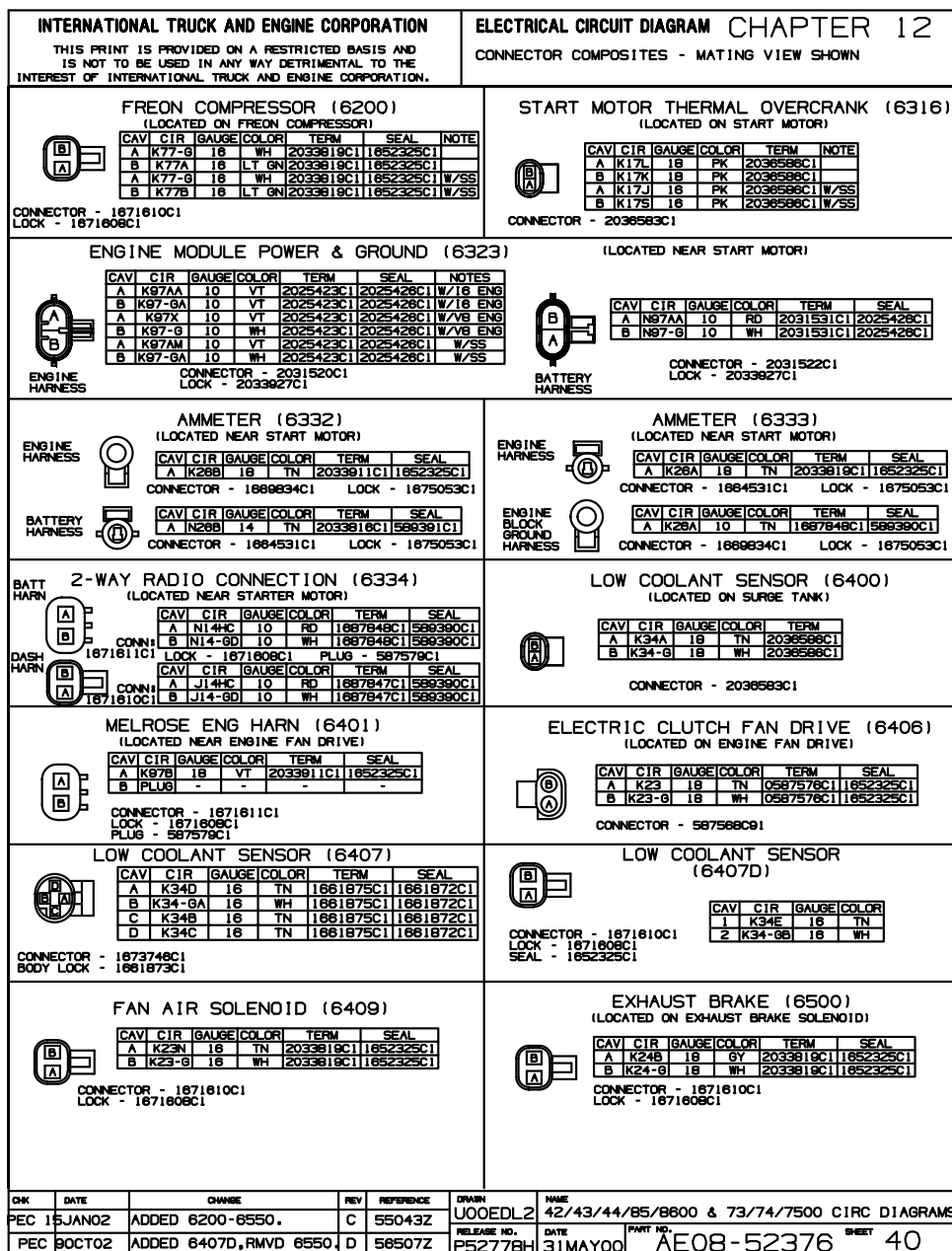


Figure 155 Connector Composites (6200), (6316), (6323), (6332), (6333), (6334), (6400), (6401), (6406), (6407), (6407D), (6409), (6500)



## 12.41. CONNECTOR COMPOSITES (6550), (6703), (6704), (7103), (7104), (7104A), P. 41









<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>																																																																									
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Figure 156 Connector Composites (6550), (6703), (6704), (7103), (7104), (7104A)

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

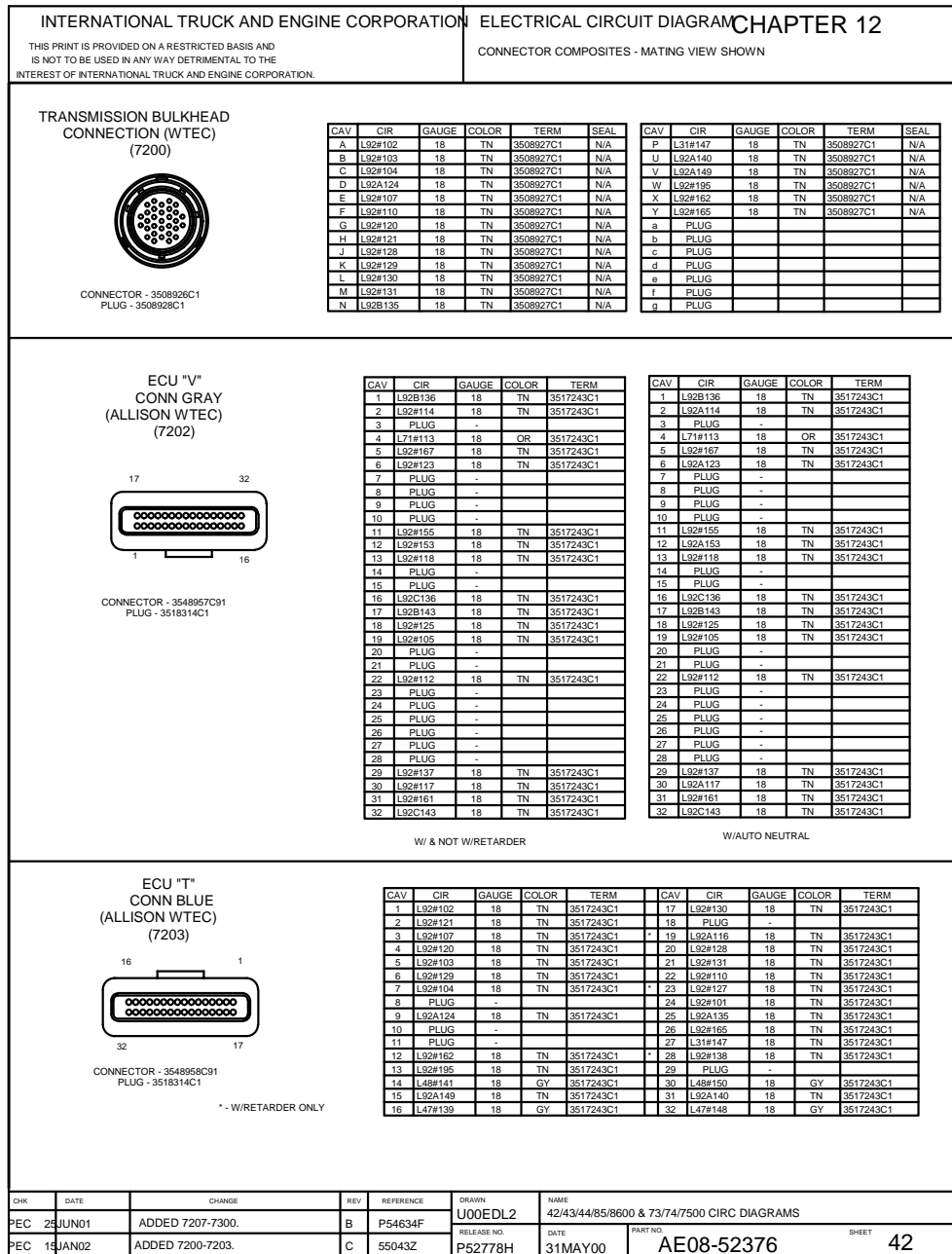


Figure 157 Connector Composites Connector Composites (7200), (7202), (7203)

12.43. CONNECTOR COMPOSITES (7204), (7205), (7206), P. 43

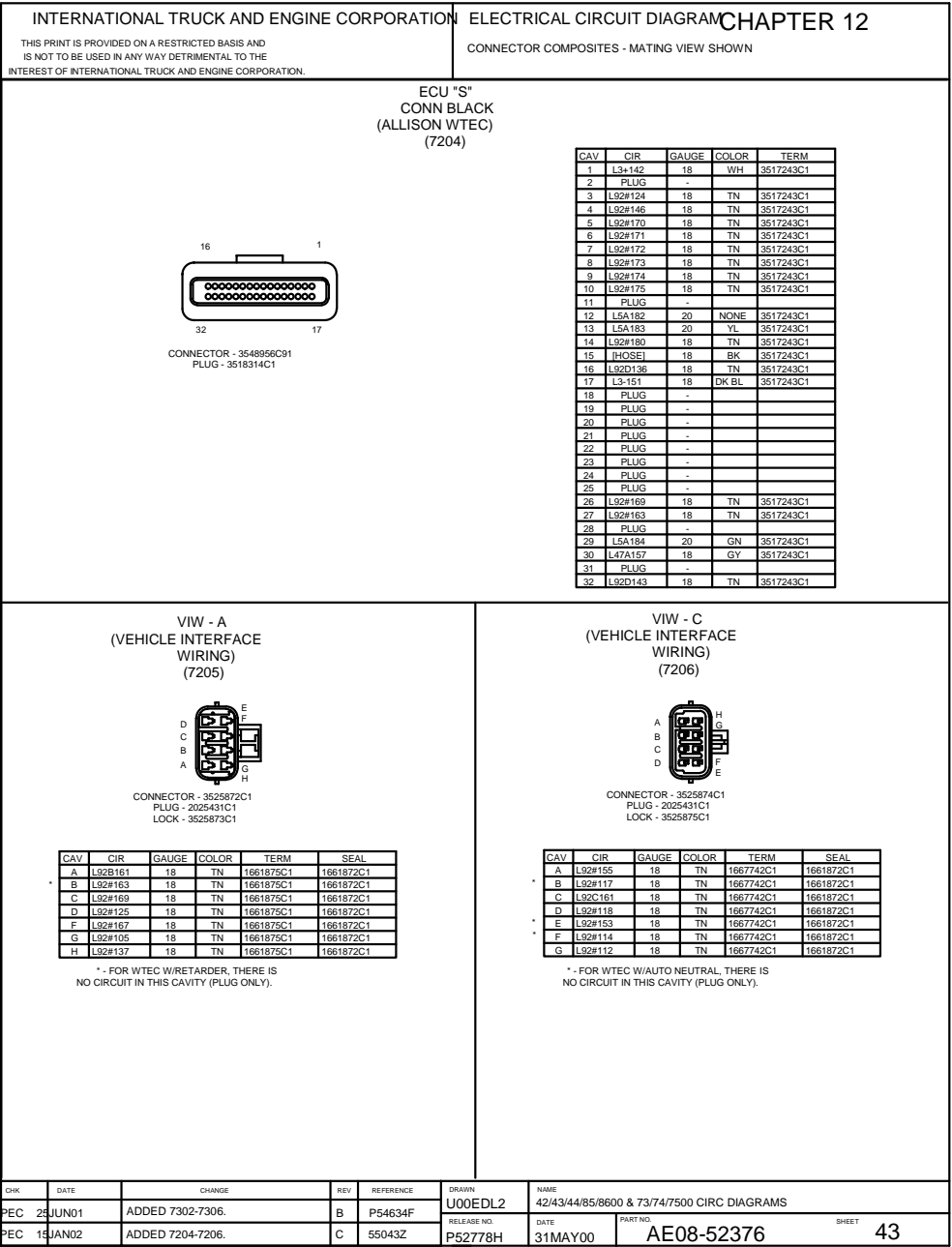


Figure 158 Connector Composites (7204), (7205), (7206)

## 12.44. CONNECTOR COMPOSITES (7211), (7212), (7213), (7300), (7301), P. 44





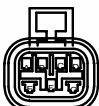
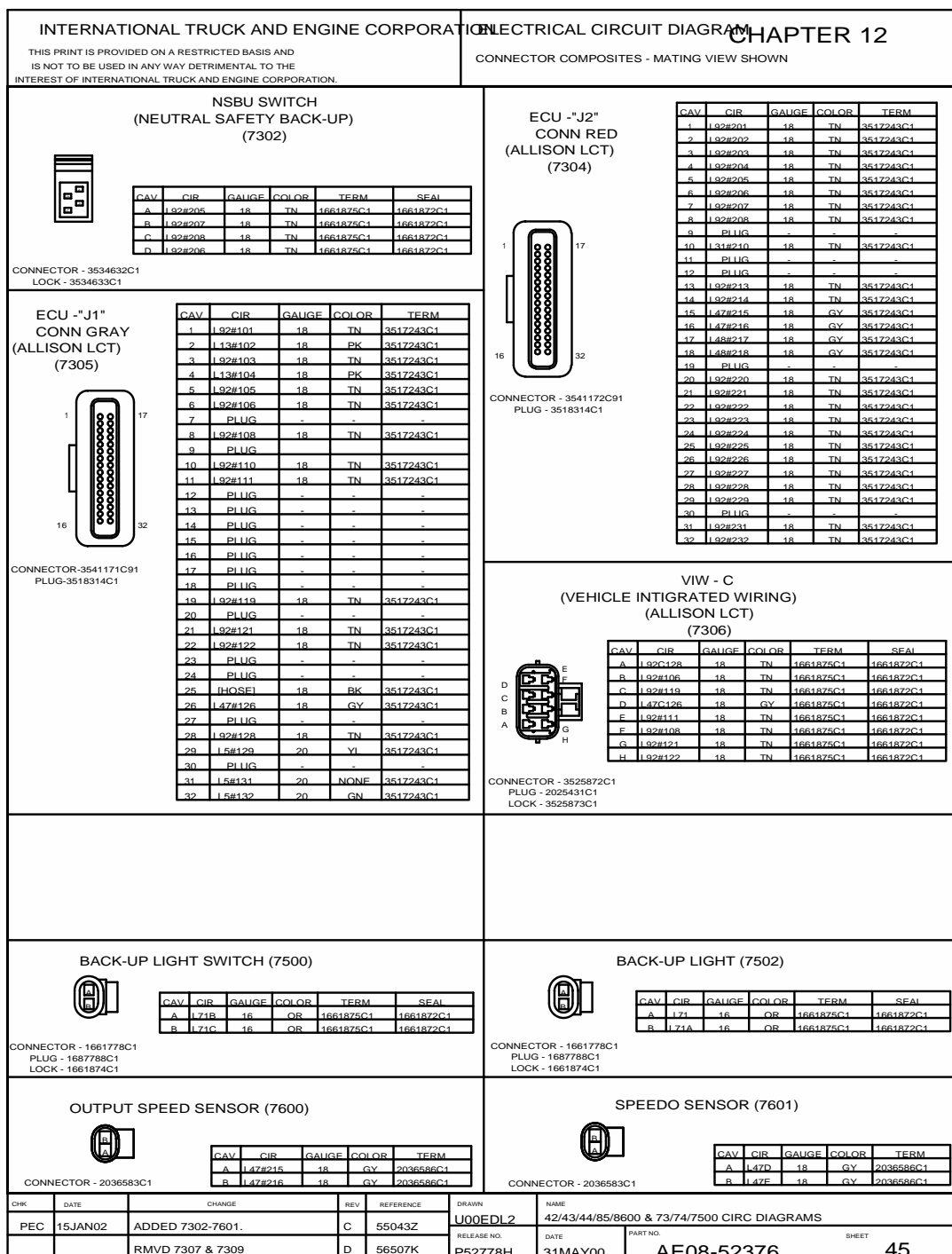
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<b>RETARDER TEMP SENDER (7211)</b>    CONNECTOR - 3524377C1 PLUG - 1687788C1				<b>RETARDER ACCUMULATOR SOLENOID (7212)</b>    CONNECTOR - 3524378C1 PLUG - 1687788C1																																																																																																												
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B	I.92N116	18	TN	2036586C1																																																																																																												
<b>RETARDER SOLENOID (7213)</b>    CONNECTOR - 2036584C1 PLUG - 1687788C1				<b>TRANSMISSION BULKHEAD (LCT) (7300)</b>    CONNECTOR - 3522537C91 PLUG - 3518314C1 LOCK - 3518287C1																																																																																																												
<b>NSBU SWITCH VEHICLE (NEUTRAL SAFETY BACK-UP) (7301)</b>    CONNECTOR - 3534635C1 PLUG - 2025431C1 LOCK - 3534634C1				<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>I.92#226</td><td>18</td><td>TN</td><td>3517243C1</td></tr> <tr><td>B</td><td>I.92#227</td><td>18</td><td>TN</td><td>3517243C1</td></tr> <tr><td>C</td><td>I.92#231</td><td>18</td><td>TN</td><td>3517243C1</td></tr> <tr><td>D</td><td>I.92#201</td><td>18</td><td>TN</td><td>3517243C1</td></tr> <tr><td>E</td><td>I.92#203</td><td>18</td><td>TN</td><td>3517243C1</td></tr> <tr><td>F</td><td>I.92#202</td><td>18</td><td>TN</td><td>3517243C1</td></tr> <tr><td>G</td><td>I.31#210</td><td>18</td><td>TN</td><td>3517243C1</td></tr> <tr><td>H</td><td>I.92A220</td><td>18</td><td>TN</td><td>3517243C1</td></tr> <tr><td>I</td><td>I.92#229</td><td>18</td><td>TN</td><td>3517243C1</td></tr> <tr><td>K</td><td>I.92#204</td><td>18</td><td>TN</td><td>3517243C1</td></tr> <tr><td>L</td><td>I.92#222</td><td>18</td><td>TN</td><td>3517243C1</td></tr> <tr><td>M</td><td>I.92#223</td><td>18</td><td>TN</td><td>3517243C1</td></tr> <tr><td>N</td><td>I.92#224</td><td>18</td><td>TN</td><td>3517243C1</td></tr> <tr><td>P</td><td>I.92#225</td><td>18</td><td>TN</td><td>3517243C1</td></tr> <tr><td>R</td><td>PLUG</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>S</td><td>I.92#232</td><td>18</td><td>TN</td><td>3517243C1</td></tr> <tr><td>T</td><td>I.92#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>I.92#228</td><td>18</td><td>TN</td><td>3517243C1</td></tr> </tbody> </table>				CAV	CIR	GAUGE	COLOR	TERM	A	I.92#226	18	TN	3517243C1	B	I.92#227	18	TN	3517243C1	C	I.92#231	18	TN	3517243C1	D	I.92#201	18	TN	3517243C1	E	I.92#203	18	TN	3517243C1	F	I.92#202	18	TN	3517243C1	G	I.31#210	18	TN	3517243C1	H	I.92A220	18	TN	3517243C1	I	I.92#229	18	TN	3517243C1	K	I.92#204	18	TN	3517243C1	L	I.92#222	18	TN	3517243C1	M	I.92#223	18	TN	3517243C1	N	I.92#224	18	TN	3517243C1	P	I.92#225	18	TN	3517243C1	R	PLUG	-	-	-	S	I.92#232	18	TN	3517243C1	T	I.92#221	18	TN	3517243C1	U	PLUG	-	-	-	V	PLUG	-	-	-	W	I.92#228	18	TN	3517243C1
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CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME																																																																																																										
PEC	15JAN02	ADDED 7207-7300.	C	55043Z	U00EDL2	42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS																																																																																																										
		RMVD 7207 & 7208	D	56507K	P52778H	DATE: 31MAY00 PART NO: AF08-52376 SHEET: 44																																																																																																										

Figure 159 Connector Composites (7211), (7212), (7213), (7300), (7301)

## 12.45. CONNECTOR COMPOSITES (7302), (7304), (7305), (7306), (7500), (7502), (7600), (7601), P. 45



**Figure 160 Connector Composites (7302), (7304), (7305), (7306), (7500), (7502), (7600), (7601)**

## 12.46. CONNECTOR COMPOSITES (7603), (7604), (7605), (7606), (7607), (7608), (7609), (7610), (7611), (7700), P. 46

INTERNATIONAL TRUCK AND ENGINE CORPORATION

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ELECTRICAL CIRCUIT DIAGRAM

CHAPTER 12

CONNECTOR COMPOSITES - MATING VIEW SHOWN

ENGINE SPEED SENSOR  
(7603)

CONNECTOR - 2036583C1

CAV	CIR	GAUGE	COLOR	TERM
A	L48#141	18	GY	2036586C1
B	L48#150	18	GY	2036586C1

ENGINE SPEED SENSOR  
(7604)

CONNECTOR - 2036583C1

CAV	CIR	GAUGE	COLOR	TERM
A	L48#217	18	GY	2036586C1
B	L48#218	18	GY	2036586C1

OUTPUT SPEED SENSOR  
(7605)

CONNECTOR - 2036583C1

CAV	CIR	GAUGE	COLOR	TERM
A	L47#139	18	GY	2036586C1
B	L47#148	18	GY	2036586C1

TRANSMISSION SPEEDO CONNECTION  
(7606)

CONNECTOR - 2036583C1

CAV	CIR	GAUGE	COLOR	TERM
A	L47P	16	GY	2036586C1
B	L47N	16	GY	2036586C1

TRANSMISSION SPEEDO CONNECTION  
(7607)

CONNECTOR - 2036583C1

CAV	CIR	GAUGE	COLOR	TERM
A	L92#213	18	TN	2036586C1
B	L92#214	18	TN	2036586C1

TRANSFER CASE SPEEDO CONNECTION  
(7608)

CONNECTOR - 2036583C1

CAV	CIR	GAUGE	COLOR	TERM
A	L47N	16	GY	2036586C1
B	L47P	16	GY	2036586C1

SPEED SENSOR  
(7609)

CONNECTOR - 2036583C1

CAV	CIR	GAUGE	COLOR	TERM
A	L47	18	GY	2036586C1
B	L47A	18	GY	2036586C1

TRANSFER CASE TO TRANSMISSION  
(7610)

(USED ONLY WHEN TRANSFER CASE AND ALLISON WTEC ARE PRESENT)

MATING CONNECTOR IS FEMALE SIDE OF CONNECTOR 7800.

CONNECTOR - 1667740C1  
PLUG - 2025431C1  
LOCK - 1667771C1

CAV	CIR	GAUGE	COLOR	TERM	SEAL
A	PLUG	-	-	-	-
B	PLUG	-	-	-	-
C	L92DJ	16	TN	1667742C1	1661872C1

TRANSFER CASE SPEEDO CONNECTION  
(7611)

CONNECTOR - 2036583C1

CAV	CIR	GAUGE	COLOR	TERM
A	L47L	16	GY	2036586C1
B	L47M	16	GY	2036586C1

TRANSMISSION OIL TEMP SENSOR  
(7700)

CONNECTOR - 3536864C1

CAV	CIR	GAUGE	COLOR	TERM	SEAL
1	L31B	18	TN	3536866C1	3536866C1
2	L31GC1	18	TN	3536866C1	3536866C1

CHK

DATE

CHANGE

REV

REFERENCE

DRAWN

NAME

PEC

25JAN01

ADDED 7800-7803.

B

P54634F

U00EDL2

42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS

PEC

15JAN02

ADDED 7603-7700.

C

55043Z

P52778H




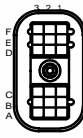


RELEASE NO  
31MAY00

PART NO  
AE08-52376

SHEET  
46

Figure 161 Connector Composites (7603), (7604), (7605), (7606), (7607), (7608), (7609), (7610), (7611), (7700)

## 12.47. CONNECTOR COMPOSITES (7800), (7803), (7900), (7901), P. 47

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>		<b>ELECTRICAL CIRCUIT DIAGRAM CHAPTER 12</b> CONNECTOR COMPOSITES - MATING VIEW SHOWN																																																																																																																																																																																																													
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<div style="display: flex; justify-content: space-between;"> <div style="width: 48%;"> <p align="center"><small>W/16 ENGINES</small></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>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> </table> <p align="center"><small>W/8 ENGINES</small></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>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> </table> <div style="text-align: center; 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<div style="display: flex; justify-content: space-between;"> <div style="width: 48%;"> <p align="center"><b>EATON AUTOSHIFT ECM (7900)</b></p>  <p>CONNECTOR - 2010376C1 PLUG - 1687788C1</p> </div> <div style="width: 48%;"> <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>A1</td><td>L92AC</td><td>16</td><td>TN</td><td>1651943C1</td></tr> <tr><td>A2</td><td>PLUG</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>A3</td><td>L92AE</td><td>16</td><td>TN</td><td>1651943C1</td></tr> <tr><td>B1</td><td>L92AD</td><td>16</td><td>TN</td><td>1651943C1</td></tr> <tr><td>B2</td><td>PLUG</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>B3</td><td>L92AB</td><td>16</td><td>TN</td><td>1651943C1</td></tr> <tr><td>C1</td><td>L5AX(L)</td><td>20</td><td>YL</td><td>1651943C1</td></tr> <tr><td>C2</td><td>L5AX(L)</td><td>20</td><td>GN</td><td>1651943C1</td></tr> <tr><td>C3</td><td>L5AX(S)</td><td>20</td><td>NONE</td><td>1651943C1</td></tr> <tr><td>D1</td><td>PLUG</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>D2</td><td>PLUG</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>D3</td><td>PLUG</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>E1</td><td>L92Z</td><td>16</td><td>TN</td><td>1651943C1</td></tr> <tr><td>E2</td><td>L92AA</td><td>16</td><td>TN</td><td>1651943C1</td></tr> <tr><td>F1</td><td>PLUG</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>F2</td><td>PLUG</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>F3</td><td>PLUG</td><td>-</td><td>-</td><td>-</td></tr> </table> </div> </div>				CAV	CIR	GAUGE	COLOR	TERM	A1	L92AC	16	TN	1651943C1	A2	PLUG	-	-	-	A3	L92AE	16	TN	1651943C1	B1	L92AD	16	TN	1651943C1	B2	PLUG	-	-	-	B3	L92AB	16	TN	1651943C1	C1	L5AX(L)	20	YL	1651943C1	C2	L5AX(L)	20	GN	1651943C1	C3	L5AX(S)	20	NONE	1651943C1	D1	PLUG	-	-	-	D2	PLUG	-	-	-	D3	PLUG	-	-	-	E1	L92Z	16	TN	1651943C1	E2	L92AA	16	TN	1651943C1	F1	PLUG	-	-	-	F2	PLUG	-	-	-	F3	PLUG	-	-	-																																																																																																																		
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<div style="display: flex; justify-content: space-between;"> <div style="width: 48%;"> <p align="center"><b>EATON AUTOSHIFT ECM POWER (7901)</b></p>  <p>CONNECTOR - 3552915C1 PLUG - 1675451C1</p> </div> <div style="width: 48%;"> <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>A</td><td>L11-GAM</td><td>12</td><td>WH</td><td>1661708C1</td></tr> <tr><td>B</td><td>L14AW</td><td>12</td><td>RD</td><td>1661708C1</td></tr> </table> </div> </div>				CAV	CIR	GAUGE	COLOR	TERM	A	L11-GAM	12	WH	1661708C1	B	L14AW	12	RD	1661708C1																																																																																																																																																																																													
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**Figure 162 Connector Composites (7800), (7803), (7900), (7901)**

## 12.48. CONNECTOR COMPOSITES (7905), (7906), (8000), (8001), (8102), (8150), (8151), (8200), P. 48

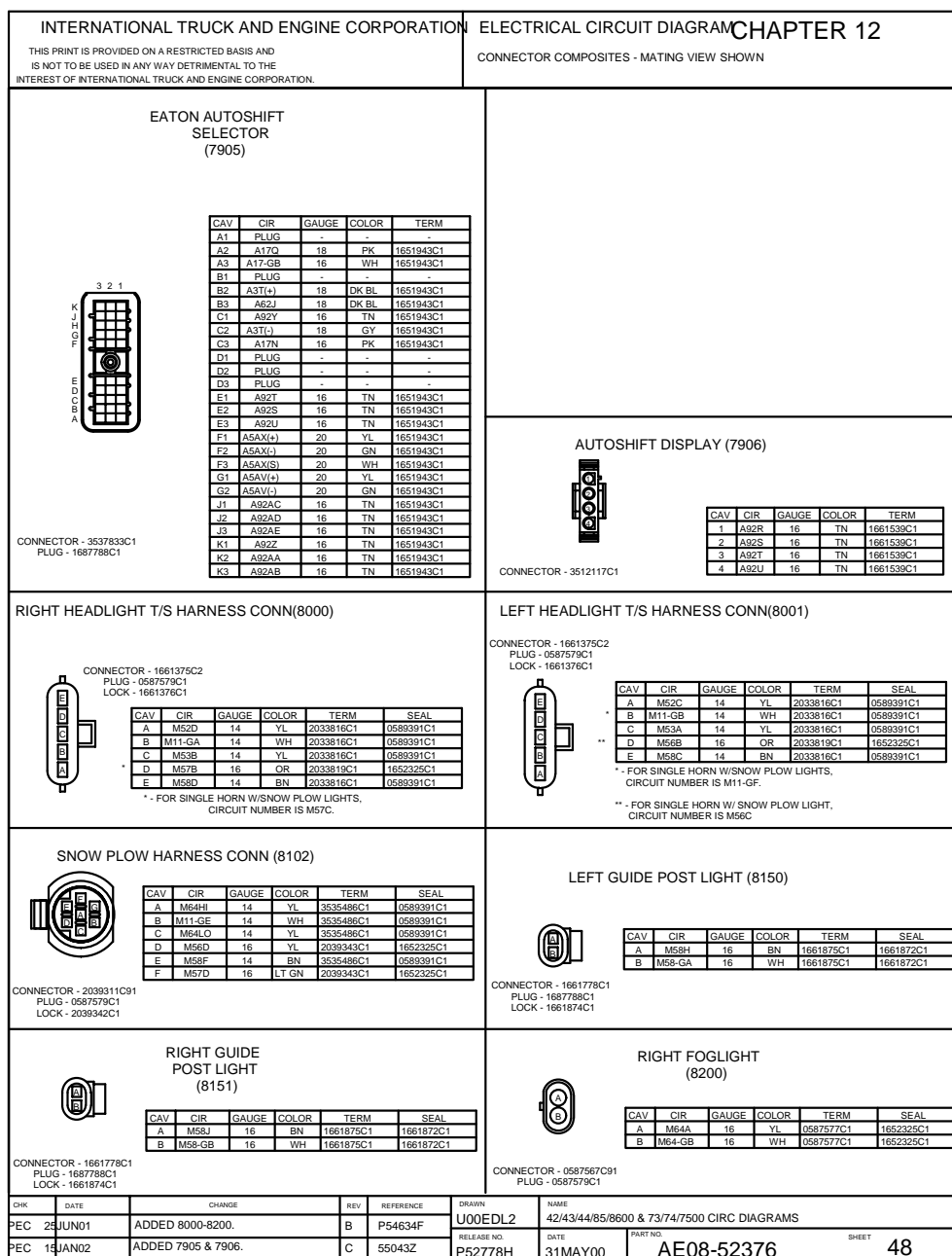












Figure 163 Connector Composites (7905), (7906), (8000), (8001), (8102), (8150), (8151), (8200)



**12.49. CONNECTOR COMPOSITES (8201), (8301), (8310), (8311), (8312), (8400), (8500), (8501), (8502), (8502A), 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																																																									
<b>LEFT FOGLIGHT (8201)</b>  CONNECTOR - 0587567C91 PLUG - 0587579C1 <table border="1"><thead><tr><th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>TERM</th><th>SEAL</th></tr></thead><tbody><tr><td>A</td><td>M64B</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></tbody></table>				CAV	CIR	GAUGE	COLOR	TERM	SEAL	A	M64B	16	YL	0587577C1	1652325C1	B	M64-GA	16	WH	0587577C1	1652325C1	<b>ELECTRIC HORN (8301)</b>  CONNECTOR - 1661778C1 PLUG - 1667788C1 LOCK - 1661874C1 <table border="1"><thead><tr><th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>TERM</th><th>SEAL</th></tr></thead><tbody><tr><td>A</td><td>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></tbody></table>				CAV	CIR	GAUGE	COLOR	TERM	SEAL	A	M85E	16	GY	1661875C1	1661872C1	B	M85-GA	16	WH	1661875C1	1661872C1																		
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<b>DUAL ELECTRIC HORNS (8310)</b>  CONNECTOR - 3543888C1 PLUG - 2025431C1 LOCK - 1661874C1 <table border="1"><thead><tr><th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>TERM</th><th>SEAL</th></tr></thead><tbody><tr><td>A</td><td>M85J</td><td>16</td><td>GY</td><td>1667742C1</td><td>1661872C1</td></tr><tr><td>B</td><td>M85-GC</td><td>16</td><td>WH</td><td>1667742C1</td><td>1661872C1</td></tr></tbody></table>				CAV	CIR	GAUGE	COLOR	TERM	SEAL	A	M85J	16	GY	1667742C1	1661872C1	B	M85-GC	16	WH	1667742C1	1661872C1	<b>ELECTRIC HORN #1 (8311)</b>  CONNECTOR - 1661778C1 PLUG - 1667788C1 LOCK - 1661874C1 <b>W/SINGLE HORN</b> <table border="1"><thead><tr><th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>TERM</th><th>SEAL</th></tr></thead><tbody><tr><td>A</td><td>M85J</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></tbody></table> <b>W/DUAL HORNS</b> <table border="1"><thead><tr><th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>TERM</th><th>SEAL</th></tr></thead><tbody><tr><td>A</td><td>M85K</td><td>16</td><td>GY</td><td>1661875C1</td><td>1661872C1</td></tr><tr><td>B</td><td>M85-GD</td><td>16</td><td>WH</td><td>1661875C1</td><td>1661872C1</td></tr></tbody></table>				CAV	CIR	GAUGE	COLOR	TERM	SEAL	A	M85J	16	GY	1661875C1	1661872C1	B	M85-GC	16	WH	1661875C1	1661872C1	CAV	CIR	GAUGE	COLOR	TERM	SEAL	A	M85K	16	GY	1661875C1	1661872C1	B	M85-GD	16	WH	1661875C1	1661872C1
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<b>ELECTRIC HORN #2 (8312)</b>  CONNECTOR - 1661778C1 PLUG - 1667788C1 LOCK - 1661874C1 <table border="1"><thead><tr><th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>TERM</th><th>SEAL</th></tr></thead><tbody><tr><td>A</td><td>M85L</td><td>16</td><td>GY</td><td>1661875C1</td><td>1661872C1</td></tr><tr><td>B</td><td>M85-GE</td><td>16</td><td>WH</td><td>1661875C1</td><td>1661872C1</td></tr></tbody></table>				CAV	CIR	GAUGE	COLOR	TERM	SEAL	A	M85L	16	GY	1661875C1	1661872C1	B	M85-GE	16	WH	1661875C1	1661872C1	<b>ETHER START (8400)</b>  CONNECTOR - 0587568C91 PLUG - 0587579C1 <table border="1"><thead><tr><th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>TERM</th><th>SEAL</th></tr></thead><tbody><tr><td>A</td><td>M21D</td><td>18</td><td>TN</td><td>0587576C1</td><td>1652325C1</td></tr><tr><td>B</td><td>M21C</td><td>18</td><td>TN</td><td>0587576C1</td><td>1652325C1</td></tr></tbody></table>				CAV	CIR	GAUGE	COLOR	TERM	SEAL	A	M21D	18	TN	0587576C1	1652325C1	B	M21C	18	TN	0587576C1	1652325C1																		
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B	M85-GE	16	WH	1661875C1	1661872C1																																																								
CAV	CIR	GAUGE	COLOR	TERM	SEAL																																																								
A	M21D	18	TN	0587576C1	1652325C1																																																								
B	M21C	18	TN	0587576C1	1652325C1																																																								
<b>BENDIX LEFT ABS MODULATOR (8500)</b>  CONNECTOR - 1686834C1 PLUG - 0587579C1 LOCK - 1664408C1 <table border="1"><thead><tr><th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>TERM</th><th>SEAL</th></tr></thead><tbody><tr><td>A</td><td>M94</td><td>18</td><td>GY</td><td>2033819C1</td><td>1652325C1</td></tr><tr><td>B</td><td>M94A</td><td>18</td><td>GY</td><td>2033819C1</td><td>1652325C1</td></tr><tr><td>C</td><td>M94B</td><td>18</td><td>GY</td><td>2033819C1</td><td>1652325C1</td></tr></tbody></table>				CAV	CIR	GAUGE	COLOR	TERM	SEAL	A	M94	18	GY	2033819C1	1652325C1	B	M94A	18	GY	2033819C1	1652325C1	C	M94B	18	GY	2033819C1	1652325C1	<b>BENDIX RIGHT ABS MODULATOR (8501)</b>  CONNECTOR - 1686834C1 PLUG - 0587579C1 LOCK - 1664408C1 <table border="1"><thead><tr><th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>TERM</th><th>SEAL</th></tr></thead><tbody><tr><td>A</td><td>M94H</td><td>18</td><td>GY</td><td>2033819C1</td><td>1652325C1</td></tr><tr><td>B</td><td>M94J</td><td>18</td><td>GY</td><td>2033819C1</td><td>1652325C1</td></tr><tr><td>C</td><td>M94K</td><td>18</td><td>GY</td><td>2033819C1</td><td>1652325C1</td></tr></tbody></table>				CAV	CIR	GAUGE	COLOR	TERM	SEAL	A	M94H	18	GY	2033819C1	1652325C1	B	M94J	18	GY	2033819C1	1652325C1	C	M94K	18	GY	2033819C1	1652325C1						
CAV	CIR	GAUGE	COLOR	TERM	SEAL																																																								
A	M94	18	GY	2033819C1	1652325C1																																																								
B	M94A	18	GY	2033819C1	1652325C1																																																								
C	M94B	18	GY	2033819C1	1652325C1																																																								
CAV	CIR	GAUGE	COLOR	TERM	SEAL																																																								
A	M94H	18	GY	2033819C1	1652325C1																																																								
B	M94J	18	GY	2033819C1	1652325C1																																																								
C	M94K	18	GY	2033819C1	1652325C1																																																								
<b>LEFT HYD ABS WHEEL SENSOR (8502)</b>  PURCHASED ASSEMBLY P/N 3519878C1 <table border="1"><thead><tr><th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>TERM</th></tr></thead><tbody><tr><td>1</td><td>M94L</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></tbody></table>				CAV	CIR	GAUGE	COLOR	TERM	1	M94L	18	BK	ASSY	2	M94M	18	BN	ASSY	<b>BENDIX LEFT AIR ABS WHEEL SENSOR (8502A)</b>  CONNECTOR - 1684261C1 PLUG - 0453133C1 LOCK - 1684263C1 <table border="1"><thead><tr><th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>TERM</th></tr></thead><tbody><tr><td>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></tbody></table>				CAV	CIR	GAUGE	COLOR	TERM	1	M94C	18	GY	1680205C1	2	M94D	18	GY	1680205C1																								
CAV	CIR	GAUGE	COLOR	TERM																																																									
1	M94L	18	BK	ASSY																																																									
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CAV	CIR	GAUGE	COLOR	TERM																																																									
1	M94C	18	GY	1680205C1																																																									
2	M94D	18	GY	1680205C1																																																									
CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME	DATE	PART NO.	SHEET																																																				
PEC	13JAN01	PRODUCTION RELEASE.	A	P54304U	U00EDL2	42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS																																																							
PEC	25JUN01	ADDED 8201-8502A.	B	P54634F	P52778H		31MAY00	AE08-52376	49																																																				

**Figure 164 Connector Composites (8201), (8301), (8310), (8311), (8312), (8400), (8500), (8501), (8502), (8502A)**

## 12.50. CONNECTOR COMPOSITES (8503), (8503A), (8505), (8506), (8507), (8508), (8509), (8600), (8601), (8602), P. 50

INTERNATIONAL TRUCK AND ENGINE CORPORATION


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ELECTRICAL CIRCUIT DIAGRAM

CHAPTER 12

CONNECTOR COMPOSITES - MATING VIEW SHOWN


RIGHT HYD ABS WHEEL SENSOR (8503)



PURCHASED ASSEMBLY P/N 3519878C1

CAV	CIR	GAUGE	COLOR	TERM
1	M94N	18	BK	ASSY
2	M94P	18	BN	ASSY


BENDIX RIGHT AIR ABS WHEEL SENSOR (8503A)



CONNECTOR - 1684261C1  
PLUG - 0453133C1  
LOCK - 1684263C1

CAV	CIR	GAUGE	COLOR	TERM
1	M94E	18	GY	1680205C1
2	M94F	18	GY	1680205C1


AIR COMPRESSOR FOR HYD BRAKES (8505)



CONNECTOR - 1678137C1

CAV	CIR	GAUGE	COLOR	TERM
A	M9	18	GY	1651943C1
B	M6	18	GY	1651943C1
C	M40	18	GY	1651943C1


WABCO LEFT FRONT AIR ABS WHEEL SPEED SENSOR (8506)



PURCHASED ASSEMBLY P/N 3519878C1

CAV	CIR	GAUGE	COLOR	TERM
1	M94AC	18	BN	ASSY
2	M94AD	18	BK	ASSY

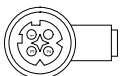
WABCO RIGHT FRONT AIR ABS WHEEL SPEED SENSOR (8507)



PURCHASED ASSEMBLY P/N 3519666C1

CAV	CIR	GAUGE	COLOR	TERM
1	M94AE	18	BN	ASSY
2	M94AF	18	BK	ASSY

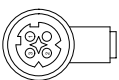
WABCO LEFT FRONT AIR ABS MODULATOR (8508)



PURCHASED ASSEMBLY P/N 3554539C1

CAV	CIR	GAUGE	COLOR	TERM
1	M94AL	14	BL	ASSY
2	M94AA	14	GN	ASSY
3	M94AB	14	BN	ASSY


WABCO RIGHT FRONT AIR ABS MODULATOR (8509)



PURCHASED ASSEMBLY P/N 3554539C1

CAV	CIR	GAUGE	COLOR	TERM
1	M94AH	14	BL	ASSY
2	M94AJ	14	GN	ASSY
3	M94AK	14	BN	ASSY


RADIATOR GROUND (8600)



CONNECTOR - 0587566C91  
PLUG - 0587579C1

CAV	CIR	GAUGE	COLOR	TERM	SEAL
A	M11-GC	12	WH	1673747C1	0589390C1


TEMP SENDER (8601)



CONNECTOR - 3522068C1  
PLUG - 1687788C1  
LOCK - 1661874C1

CAV	CIR	GAUGE	COLOR	TERM	SEAL
A	M41	18	GY	1661875C1	1661872C1
B	M41A	18	GY	1661875C1	1661872C1

A/C TRANSDUCER (8602)



CONNECTOR - 1678137C1

CAV	CIR	GAUGE	COLOR	TERM
A	M9	20	GY	1651943C1
B	M6	20	GY	1651943C1
C	M77	20	LT GN	1651943C1

CHK

DATE

CHANGE

REV

REFERENCE

DRAWN

NAME

RELEASE NO.

DATE

PART NO.

SHEET

PEC

19JAN01

PRODUCTION RELEASE.

A

P54304U

U00EDL2

42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS

PEC

25JUN01

ADDED 8503-8602.

B

P54634F

P52778H



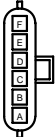
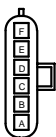
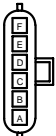
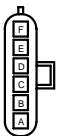
31MAY00

AE08-52376

50

Figure 165 Connector Composites (8503), (8503A), (8505), (8506), (8507), (8508), (8509), (8600), (8601), (8602)

## 12.51. CONNECTOR COMPOSITES (8700), (8701), (8800), (8801), (8802), (8803), P. 51

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 HEATED MIRROR FWD HOOD MTD (8700)</b>				<b>RIGHT HEATED MIRROR FWD HOOD MTD (8701)</b>			
							
CONNECTOR - 1671610C1 PLUG - 0587579C1 LOCK - 1671608C1				CONNECTOR - 1671610C1 PLUG - 0587579C1 LOCK - 1671608C1			
CAV	CIR	GAUGE	COLOR	TERM	SEAL	CAV	CIR
A	M78J	16	LT GN	2033819C1	1652325C1	A	M78K
B	M78-G	18	WH	2033819C1	1652325C1	B	M78-GA
<b>GROUND ADAPTER #1 (8800)</b>				<b>GROUND ADAPTER #2 (8801)</b>			
							
CONNECTOR - 3551896C1 PLUG - 0587579C1 LOCK - 3551897C1 COVER - 3551792C1				CONNECTOR - 3551896C1 PLUG - 0587579C1 LOCK - 3551897C1 COVER - 3551792C1			
CAV	CIR	GAUGE	COLOR	TERM	SEAL	CAV	CIR
A	M11-G	12	WH	2033816C1	0589390C1	A	M11-GD
B	M11-GB	14	WH	2033816C1	0589391C1	B	M11-GA
C	M58-GA	16	WH	2033819C1	1652325C1	C	M58-GB
D	M11-GC	12	WH	2033816C1	0589390C1	D	M85-GA
E	M78-G	18	WH	2033819C1	1652325C1	E	M78-GA
F	M11-GD	12	WH	2033816C1	0589390C1	F	M64-G
<b>ISOLATED GND SPLICE PACK (8802)</b>				<b>CHASSIS GND SPLICE PACK (8803)</b>			
							
CONNECTOR - 3551896C1 PLUG - 0587579C1 LOCK - 3551897C1 COVER - 3551792C1				CONNECTOR - 3551896C1 PLUG - 0587579C1 LOCK - 3551897C1 COVER - 3551792C1			
CAV	CIR	GAUGE	COLOR	TERM	SEAL	CAV	CIR
A	N9	18	GY	2033819C1	1652325C1	A	N10-G
B	N9A	18	GY	2033819C1	1652325C1	B	N10-GA
C	N9B	18	GY	2033819C1	1652325C1	C	N39-G
D	N44-GB	18	WH	2033819C1	1652325C1	D	N39-GB
E	N9F	18	GY	2033819C1	1652325C1	E	N49-G
F	N9F	18	GY	2033819C1	1652325C1	F	N10-GF
* - FOR AF MTD FUEL TANK, CIRCUIT NUMBER IS N9G. ** - FOR RR AXLE TEMP, CIRCUIT NUMBER IS N9H.						* - FOR RIGHT SIDE MTD DRAIN VALVE, CIRCUIT NUMBER IS N39-GA. ** - FOR RIGHT SIDE MTD AIR DRYER, CIRCUIT NUMBER IS N39-GC.	

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
PEC	25JUN01	ADDED 8700-8803.	B	P54634F	U00EDL2	42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS
PEC	15JAN02	ADDED N44-GB TO 8802	C	55043Z	P52778H	DATE 31MAY00 PART NO. AE08-52376 SHEET 51

**Figure 166 Connector Composites (8700), (8701), (8800), (8801), (8802), (8803)**

## 12.52. CONNECTOR COMPOSITES (9001), (9002), (9100), (9101), (9102), (9254), (9255), P. 52

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 style="text-align: center;"><b>LEFT SIDE HEATED DRAIN (9001)</b></p> <p style="text-align: center;">CONNECTOR - 1661778C1 PLUG - 1687788C1 LOCK - 1661874C1</p> <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th>CAV</th> <th>CIR</th> <th>GAUGE</th> <th>COLOR</th> <th>TERM</th> <th>SEAL</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>N39</td> <td>1R</td> <td>GY</td> <td>1661875C1</td> <td>1661872C1</td> </tr> <tr> <td>B</td> <td>N39-G</td> <td>1R</td> <td>WH</td> <td>1661875C1</td> <td>1661872C1</td> </tr> </tbody> </table>				CAV	CIR	GAUGE	COLOR	TERM	SEAL	A	N39	1R	GY	1661875C1	1661872C1	B	N39-G	1R	WH	1661875C1	1661872C1	<p style="text-align: center;"><b>RIGHT SIDE HEATED DRAIN (9002)</b></p> <p style="text-align: center;">CONNECTOR - 1661778C1 PLUG - 1687788C1 LOCK - 1661874C1</p> <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th>CAV</th> <th>CIR</th> <th>GAUGE</th> <th>COLOR</th> <th>TERM</th> <th>SEAL</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>N39A</td> <td>1R</td> <td>GY</td> <td>1661875C1</td> <td>1661872C1</td> </tr> <tr> <td>B</td> <td>N39-GA</td> <td>1R</td> <td>WH</td> <td>1661875C1</td> <td>1661872C1</td> </tr> </tbody> </table>				CAV	CIR	GAUGE	COLOR	TERM	SEAL	A	N39A	1R	GY	1661875C1	1661872C1	B	N39-GA	1R	WH	1661875C1	1661872C1
CAV	CIR	GAUGE	COLOR	TERM	SEAL																																						
A	N39	1R	GY	1661875C1	1661872C1																																						
B	N39-G	1R	WH	1661875C1	1661872C1																																						
CAV	CIR	GAUGE	COLOR	TERM	SEAL																																						
A	N39A	1R	GY	1661875C1	1661872C1																																						
B	N39-GA	1R	WH	1661875C1	1661872C1																																						
<p style="text-align: center;"><b>LEFT FUEL SENDER (9100)</b></p> <p style="text-align: center;">CONNECTOR - 1661778C1 PLUG - 1687788C1 LOCK - 1661874C1</p> <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th>CAV</th> <th>CIR</th> <th>GAUGE</th> <th>COLOR</th> <th>TERM</th> <th>SEAL</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>N36</td> <td>1R</td> <td>TN</td> <td>1661875C1</td> <td>1661872C1</td> </tr> <tr> <td>B</td> <td>N36A</td> <td>1R</td> <td>GY</td> <td>1661875C1</td> <td>1661872C1</td> </tr> </tbody> </table> <p style="font-size: small; margin-top: 10px;">* - FOR DUAL MTD FUEL TANKS, CIRCUIT NUMBER IS N36E.</p> <p style="font-size: small;">** - FOR AF MTD FUEL TANK, CIRCUIT NUMBER IS N9D.</p>				CAV	CIR	GAUGE	COLOR	TERM	SEAL	A	N36	1R	TN	1661875C1	1661872C1	B	N36A	1R	GY	1661875C1	1661872C1	<p style="text-align: center;"><b>RIGHT FUEL SENDER (9101)</b></p> <p style="text-align: center;">CONNECTOR - 1661778C1 PLUG - 1687788C1 LOCK - 1661874C1</p> <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th>CAV</th> <th>CIR</th> <th>GAUGE</th> <th>COLOR</th> <th>TERM</th> <th>SEAL</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>N36A</td> <td>1R</td> <td>TN</td> <td>1661875C1</td> <td>1661872C1</td> </tr> <tr> <td>B</td> <td>N36</td> <td>1R</td> <td>GY</td> <td>1661875C1</td> <td>1661872C1</td> </tr> </tbody> </table> <p style="font-size: small; margin-top: 10px;">* - FOR DUAL MTD FUEL TANKS, CIRCUIT NUMBER IS N36C.</p>				CAV	CIR	GAUGE	COLOR	TERM	SEAL	A	N36A	1R	TN	1661875C1	1661872C1	B	N36	1R	GY	1661875C1	1661872C1
CAV	CIR	GAUGE	COLOR	TERM	SEAL																																						
A	N36	1R	TN	1661875C1	1661872C1																																						
B	N36A	1R	GY	1661875C1	1661872C1																																						
CAV	CIR	GAUGE	COLOR	TERM	SEAL																																						
A	N36A	1R	TN	1661875C1	1661872C1																																						
B	N36	1R	GY	1661875C1	1661872C1																																						
<p style="text-align: center;"><b>FUEL TRANSFER PUMP (9102)</b></p> <p style="text-align: center;">CONNECTOR - 3522068C1 LOCK - 1661874C1</p> <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th>CAV</th> <th>CIR</th> <th>GAUGE</th> <th>COLOR</th> <th>TERM</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>N37-G</td> <td>1R</td> <td>WH</td> <td>1661875C1</td> </tr> <tr> <td>B</td> <td>N37D</td> <td>1R</td> <td>TN</td> <td>1661875C1</td> </tr> </tbody> </table>				CAV	CIR	GAUGE	COLOR	TERM	A	N37-G	1R	WH	1661875C1	B	N37D	1R	TN	1661875C1	<p style="text-align: center;"><b>ENG ECM FEED FUSE CONN (9254)</b></p> <p style="text-align: center;">CONNECTOR - 1667639C1 PLUG - 1675451C1</p> <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th>CAV</th> <th>CIR</th> <th>GAUGE</th> <th>COLOR</th> <th>TERM</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>N14AY</td> <td>10</td> <td>RD</td> <td>1661708C1</td> </tr> <tr> <td>B</td> <td>N14BA</td> <td>10</td> <td>RD</td> <td>1661708C1</td> </tr> </tbody> </table>				CAV	CIR	GAUGE	COLOR	TERM	A	N14AY	10	RD	1661708C1	B	N14BA	10	RD	1661708C1						
CAV	CIR	GAUGE	COLOR	TERM																																							
A	N37-G	1R	WH	1661875C1																																							
B	N37D	1R	TN	1661875C1																																							
CAV	CIR	GAUGE	COLOR	TERM																																							
A	N14AY	10	RD	1661708C1																																							
B	N14BA	10	RD	1661708C1																																							
<p style="text-align: center;"><b>TRANS ECU FEED FUSE CONN (9255)</b></p> <p style="text-align: center;">CONNECTOR - 1667639C1 PLUG - 1675451C1</p> <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th>CAV</th> <th>CIR</th> <th>GAUGE</th> <th>COLOR</th> <th>TERM</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>N14AZ</td> <td>10</td> <td>RD</td> <td>1661708C1</td> </tr> <tr> <td>B</td> <td>N14BB</td> <td>10</td> <td>RD</td> <td>1661708C1</td> </tr> </tbody> </table>				CAV	CIR	GAUGE	COLOR	TERM	A	N14AZ	10	RD	1661708C1	B	N14BB	10	RD	1661708C1	<p>THIS SPACE INTENTIONALLY LEFT BLANK</p>																								
CAV	CIR	GAUGE	COLOR	TERM																																							
A	N14AZ	10	RD	1661708C1																																							
B	N14BB	10	RD	1661708C1																																							
CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME																																					
PEC	25JUN01	ADDED 9001-9255.	B	P54634F	U00EDL2	42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS																																					
		CHNGD CIRC/CONN 9102	C	56507K	P52778H	DATE	PART NO. SHEET																																				
						28JUN00	AE08-52376 52																																				

**Figure 167 Connector Composites (9001), (9002), (9100), (9101), (9102), (9254), (9255)**

12.53. CONNECTOR COMPOSITES (9260), (9261), (9262), (9263), (9264), (9265), (9303A), P. 53

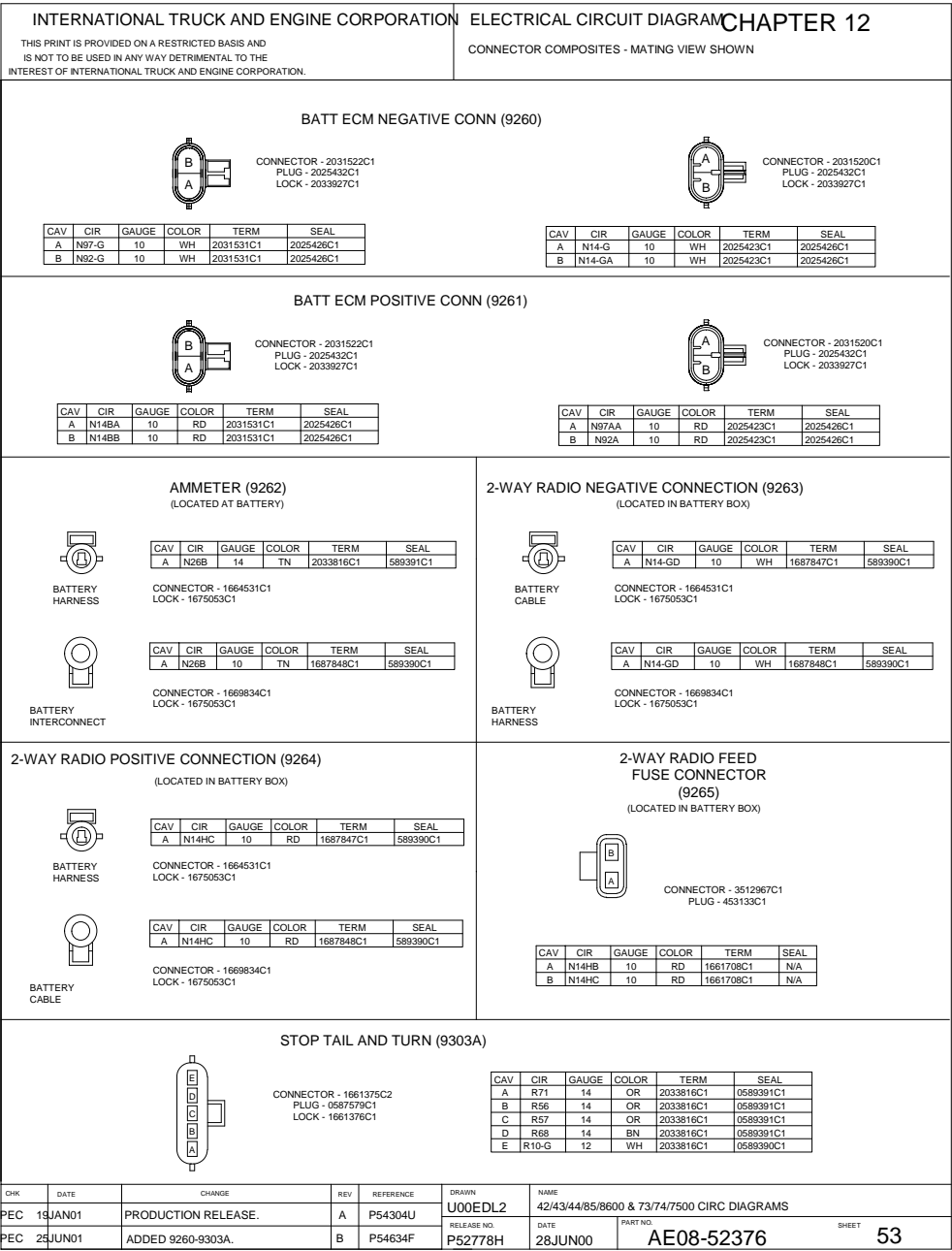


Figure 168 Connector Composites (9260), (9261), (9262), (9263), (9264), (9265), (9303A)

## 12.54. CONNECTOR COMPOSITES (9404), (9405), (9501), (9502), (9503), (9504), (9505), (9506), P. 54

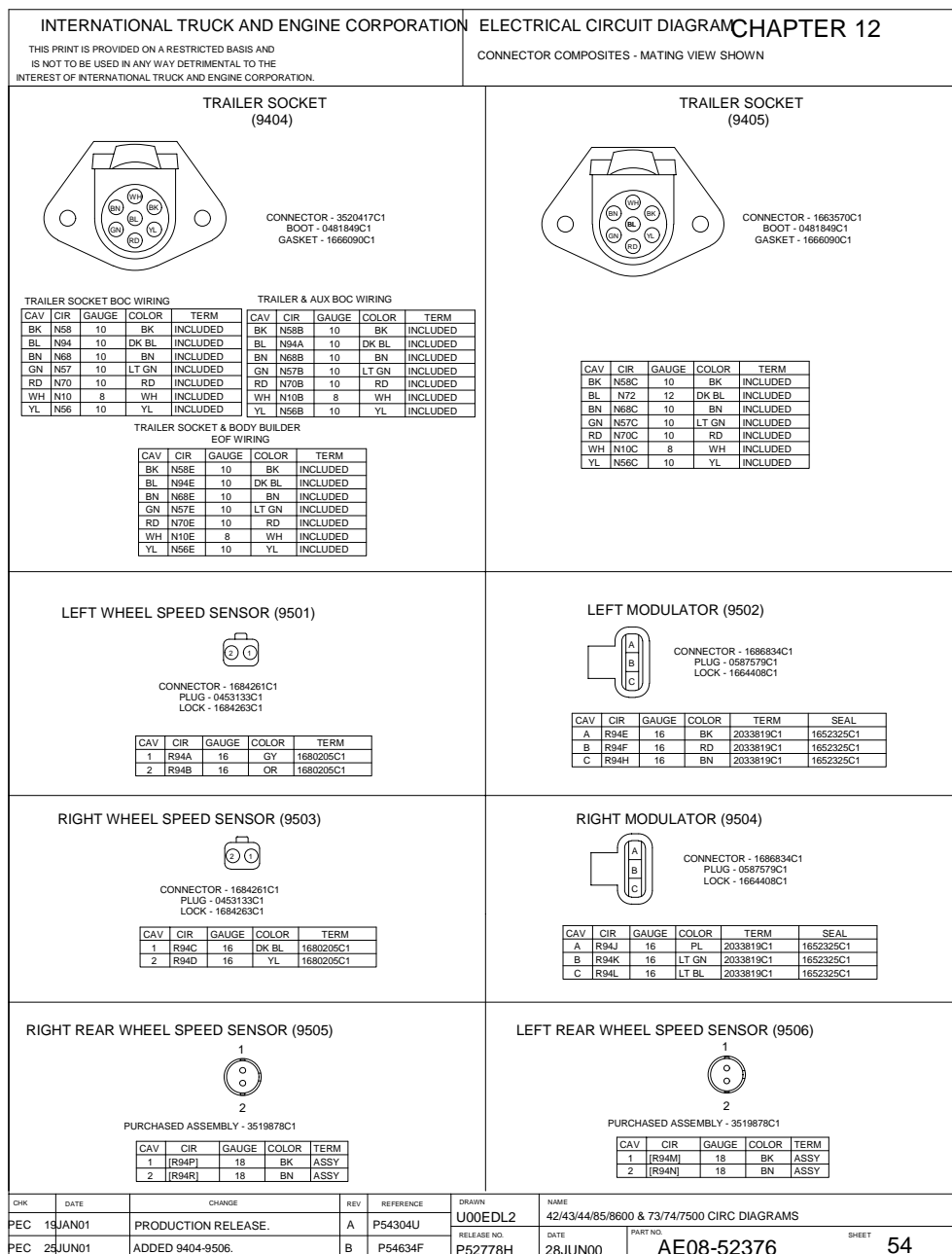


Figure 169 Connector Composites (9404), (9405), (9501), (9502), (9503), (9504), (9505), (9506)

## 12.55. CONNECTOR COMPOSITES (9507), (9508), (9509), (9510), (9511), (9512), (9513), (9514), (9515), P. 55

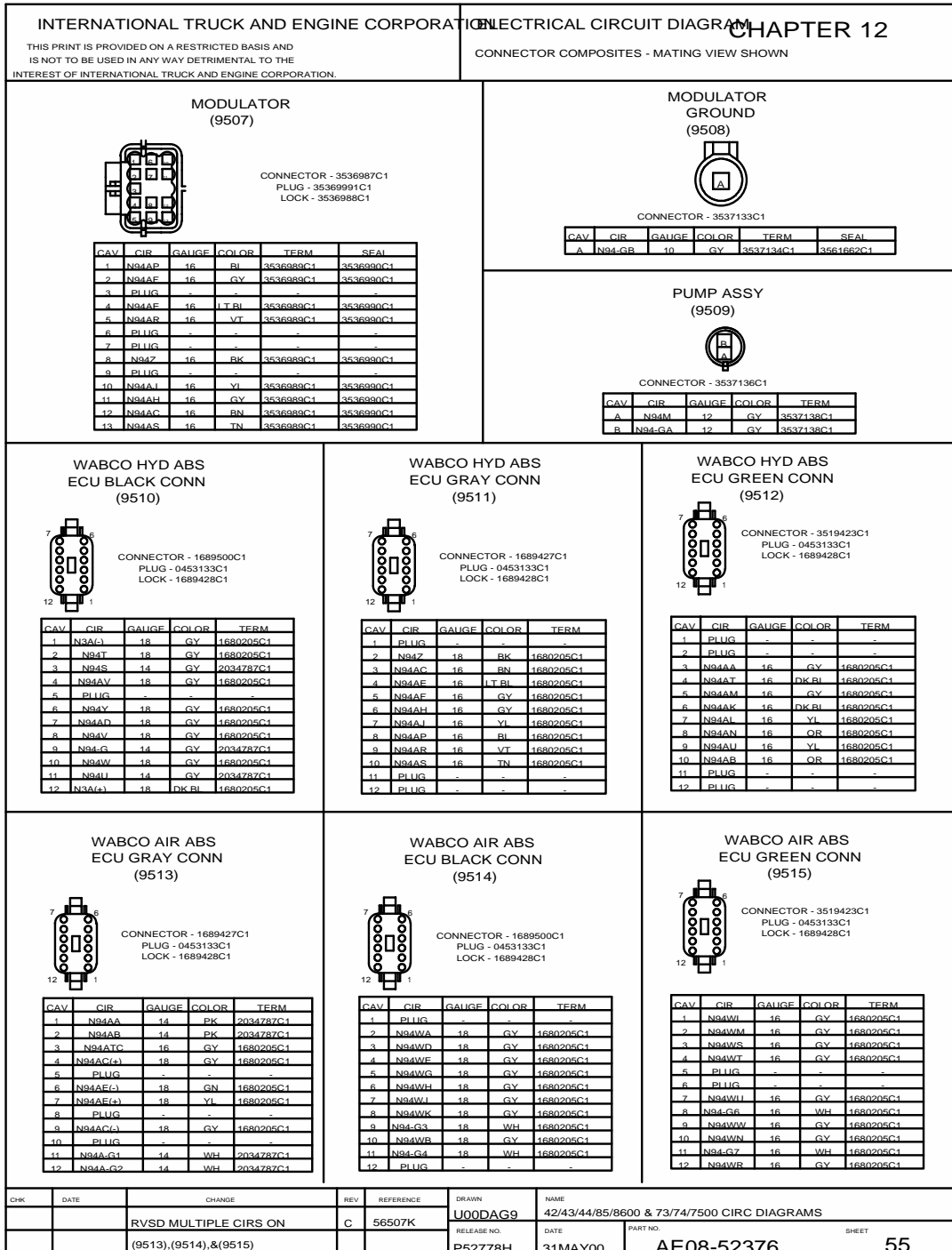






Figure 170 Connector Composites (9507), (9508), (9509), (9510), (9511), (9512), (9513), (9514), (9515)

## 12.56. CONNECTOR COMPOSITES (9516), (9517), (9518), (9519), P. 56

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 DIAGRAMS CONNECTOR COMPOSITES - MATING VIEW SHOWN																																			
<p style="text-align: center;">WABCO LEFT REAR AIR ABS WHEEL SPEED SENSOR (9516)</p> <div style="text-align: center;">  <p>1 2</p> </div> <p style="text-align: right; font-size: small;">PURCHASED ASSEMBLY P/N 3519878C1</p> <table border="1" style="margin: 10px auto; font-size: x-small;"> <thead> <tr> <th>CAV</th> <th>CIR</th> <th>GAUGE</th> <th>COLOR</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>R94AWL</td> <td>18</td> <td>GY</td> </tr> <tr> <td>2</td> <td>R94AWM</td> <td>18</td> <td>GY</td> </tr> </tbody> </table>				CAV	CIR	GAUGE	COLOR	1	R94AWL	18	GY	2	R94AWM	18	GY	<p style="text-align: center;">WABCO RIGHT REAR AIR ABS WHEEL SPEED SENSOR (9517)</p> <div style="text-align: center;">  <p>1 2</p> </div> <p style="text-align: right; font-size: small;">PURCHASED ASSEMBLY P/N 3519878C1</p> <table border="1" style="margin: 10px auto; font-size: x-small;"> <thead> <tr> <th>CAV</th> <th>CIR</th> <th>GAUGE</th> <th>COLOR</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>R94AWS</td> <td>18</td> <td>GY</td> </tr> <tr> <td>2</td> <td>R94AWT</td> <td>18</td> <td>GY</td> </tr> </tbody> </table>				CAV	CIR	GAUGE	COLOR	1	R94AWS	18	GY	2	R94AWT	18	GY								
CAV	CIR	GAUGE	COLOR																																				
1	R94AWL	18	GY																																				
2	R94AWM	18	GY																																				
CAV	CIR	GAUGE	COLOR																																				
1	R94AWS	18	GY																																				
2	R94AWT	18	GY																																				
<p style="text-align: center;">WABCO LEFT REAR AIR ABS MODULATOR (9518)</p> <div style="text-align: center;">  </div> <p style="text-align: center; font-size: x-small;">CONNECTOR: 3519879C1</p> <table border="1" style="margin: 10px auto; font-size: x-small;"> <thead> <tr> <th>CAV</th> <th>CIR</th> <th>GAUGE</th> <th>COLOR</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>R94AG7</td> <td>18</td> <td>GN</td> </tr> <tr> <td>2</td> <td>R94AWN</td> <td>18</td> <td>BK</td> </tr> <tr> <td>3</td> <td>R94AWR</td> <td>18</td> <td>BN</td> </tr> </tbody> </table>				CAV	CIR	GAUGE	COLOR	1	R94AG7	18	GN	2	R94AWN	18	BK	3	R94AWR	18	BN	<p style="text-align: center;">WABCO RIGHT REAR AIR ABS MODULATOR (9519)</p> <div style="text-align: center;">  </div> <p style="text-align: center; font-size: x-small;">CONNECTOR: 3519879C1</p> <table border="1" style="margin: 10px auto; font-size: x-small;"> <thead> <tr> <th>CAV</th> <th>CIR</th> <th>GAUGE</th> <th>COLOR</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>R94AG6</td> <td>18</td> <td>GN</td> </tr> <tr> <td>2</td> <td>R94AWH</td> <td>18</td> <td>BK</td> </tr> <tr> <td>3</td> <td>R94AWW</td> <td>18</td> <td>BN</td> </tr> </tbody> </table>				CAV	CIR	GAUGE	COLOR	1	R94AG6	18	GN	2	R94AWH	18	BK	3	R94AWW	18	BN
CAV	CIR	GAUGE	COLOR																																				
1	R94AG7	18	GN																																				
2	R94AWN	18	BK																																				
3	R94AWR	18	BN																																				
CAV	CIR	GAUGE	COLOR																																				
1	R94AG6	18	GN																																				
2	R94AWH	18	BK																																				
3	R94AWW	18	BN																																				

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
		RMVD 9520A, 9520B,	C	56507K	U00DAG9	42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS
		9520D & 9520E			RELEASE NO. P52778H	DATE 28 JUN00 PART NO. AF08-52376 SHEET 56

Figure 171 Connector Composites (9516), (9517), (9518), (9519)



12.57. CONNECTOR COMPOSITE (9700), P. 57

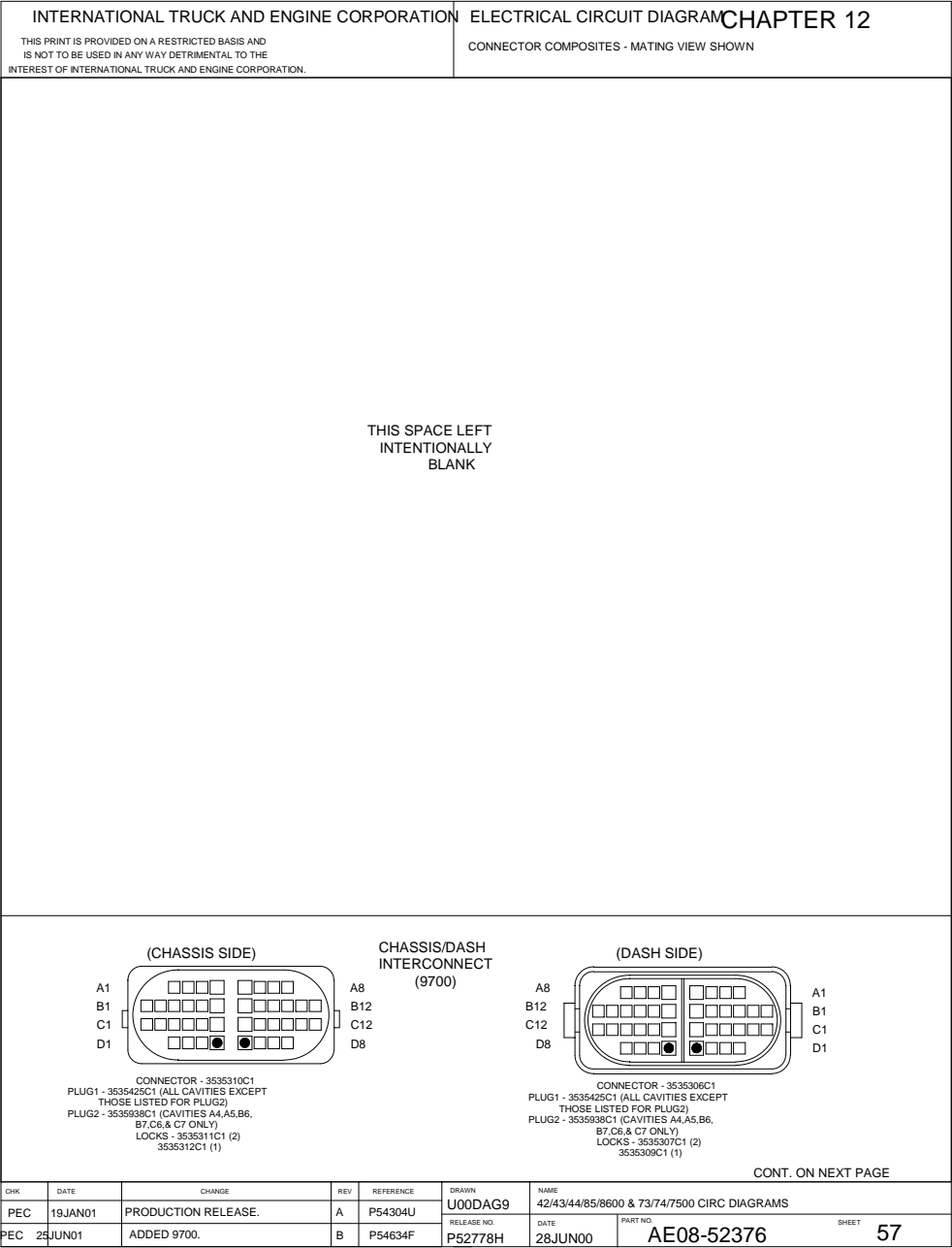


Figure 172 Connector Composite (9700)

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

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ELECTRICAL CIRCUIT DIAGRAM

CHAPTER 12

CONNECTOR COMPOSITES - MATING VIEW SHOWN

CONT. FROM PREVIOUS PAGE

CHASSIS/DASH INTERCONNECT (9700)

CAV	CIR	GAUGE	COLOR	TERM	SEAL	NOTES
A1	N32A	18	TN	3535305C1	3535424C1	
A2	N32	18	TN	3535305C1	3535424C1	
A3	N94A	16	GY	3535305C1	3535424C1	W/AIR ABS
A3	N94AM	16	GY	3535305C1	3535424C1	W/HYD ABS
A3	N94WI	18	GY	3535305C1	3535310C1	W/WABCO AIR
A4	N71	14	OR	3535934C1	3535937C1	
A5	N56	14	OR	3535934C1	3535937C1	
A6	N94B	16	OR	3535305C1	3535424C1	W/AIR ABS
A6	N94AN	16	OR	3535305C1	3535424C1	W/HYD ABS
A6	N94WK	18	GY	3535305C1	3535310C1	W/WABCO AIR
A7	N94C	16	DK BL	3535305C1	3535424C1	W/AIR ABS
A7	N94AT	16	DK BL	3535305C1	3535424C1	W/HYD ABS
A7	N94W3	18	GY	3535305C1	3535310C1	W/WABCO AIR
A8	N94D	16	VI	3535305C1	3535424C1	W/AIR ABS
A8	N94AI	16	VI	3535305C1	3535424C1	W/HYD ABS
A8	N94WH	18	GY	3535305C1	3535310C1	W/WABCO AIR
B1	N94F	16	BK	3535305C1	3535424C1	W/AIR ABS
B1	N94T	18	GY	3535305C1	3535424C1	W/HYD ABS
B1	N94WA	18	GY	3535305C1	3535310C1	W/WABCO AIR
B2	N94F	16	RD	3535305C1	3535424C1	W/AIR ABS
B2	N94AD	18	GY	3535305C1	3535424C1	W/HYD ABS
B2	N94G4	18	WH	3535305C1	3535310C1	W/WABCO AIR
B3	N94H	16	BN	3535305C1	3535424C1	W/AIR ABS
B3	N94Y	18	GY	3535305C1	3535424C1	W/HYD ABS
B3	N94WB	18	GY	3535305C1	3535310C1	W/WABCO AIR
B4	N94J	16	PI	3535305C1	3535424C1	W/AIR ABS
B4	N94WF	18	GY	3535305C1	3535310C1	W/WABCO AIR
B5	N94K	16	I T GN	3535305C1	3535424C1	W/AIR ABS
B5	N94V	18	GY	3535305C1	3535424C1	W/HYD ABS
B5	N94G3	18	WH	3535305C1	3535310C1	W/WABCO AIR
B6	N57	14	OR	3535934C1	3535937C1	
B7	N68	14	BN	3535934C1	3535937C1	
B8	N94L	16	I T BL	3535305C1	3535424C1	
B8	N44N	18	GY	3535305C1	3535424C1	
B8	N94WD	18	GY	3535305C1	3535310C1	W/WABCO AIR
B9	N56-GA	18	WH	3535305C1	3535310C1	
B9	N19	16	GY	3535305C1	3535424C1	
B9	N19A	16	GY	3535305C1	3535424C1	
B9	N44M	18	GY	3535305C1	3535424C1	
B10	N59J	18	GY	3535305C1	3535424C1	
B10	N59U	18	GY	3535305C1	3535424C1	
B11	-	18	TN	3535305C1	3535424C1	
B12	**	16	GY	3535305C1	3535424C1	
C1	N59K	18	GY	3535305C1	3535424C1	
C1	N59V	18	GY	3535305C1	3535424C1	
C2	N59L	18	GY	3535305C1	3535424C1	
C2	N59W	18	GY	3535305C1	3535424C1	
C3	N94RD	16	BN	3535305C1	3535424C1	W/AIR ABS
C3	N94G1	18	GY	3535305C1	3535424C1	W/HYD ABS
C3	N94G4J	18	GY	3535305C1	3535310C1	W/WABCO AIR
C4	N94FE	16	VI	3535305C1	3535424C1	W/AIR ABS
C4	N34(A)	18	DK BL	3535305C1	3535424C1	W/HYD ABS
C4	N94C1	18	GY	3535305C1	3535310C1	W/WABCO AIR
C5	N59M	18	GY	3535305C1	3535424C1	
C5	N59X	18	GY	3535305C1	3535424C1	
C6	N10-G	14	WH	3535934C1	3535937C1	
C7	N59H	14	GY	3535934C1	3535937C1	
C7	N59T	14	GY	3535934C1	3548945C1	
C8	---	18	GY	3535305C1	3535424C1	
C9	N56J	16	OR	3535305C1	3535424C1	
C9	N37D	18	TN	3535305C1	3535424C1	
C10	----	18	TN	3535305C1	3535424C1	
C11	PLUG	-	-	-	-	
C12	N49A	18	GY	3535305C1	3535424C1	
D1	N49B	18	GY	3535305C1	3535424C1	
D2	N87RB	18	GY	3535305C1	3535424C1	
D2	N87RB	18	GY	3535305C1	3535424C1	
D3	N87RB	18	GY	3535305C1	3535424C1	
D3	N87MR	18	GY	3535305C1	3535424C1	
D6	N87CA	18	GY	3535305C1	3535424C1	
D6	N87EA	18	GY	3535305C1	3535424C1	
D7	N71N	18	OR	3535305C1	3535424C1	
D7	N19-G	16	WH	3535305C1	3535424C1	
D7	N19-GA	16	WH	3535305C1	3535424C1	
D8	N9	18	GY	3535305C1	3535424C1	

CAV	CIR	GAUGE	COLOR	TERM	SEAL	NOTES
A1	J32	18	TN	3535303C1	3535424C1	
A2	J32A	18	TN	3535303C1	3535424C1	
A3	J94AB	18	GY	3535303C1	3535424C1	W/AIR ABS
A3	J94HM	18	GY	3535303C1	3535424C1	W/HYD ABS
A4	J71A	14	OR	3535930C1	3535936C1	
A6	J69B	16	OR	3535930C1	3535936C1	
A6	J94AA	18	OR	3535303C1	3535424C1	W/AIR ABS
A6	J94HN	18	OR	3535303C1	3535424C1	W/HYD ABS
A7	J94AI	18	DK BL	3535303C1	3535424C1	W/AIR ABS
A7	J94HT	18	DK BL	3535303C1	3535424C1	W/HYD ABS
A8	J94AK	18	VI	3535303C1	3535424C1	W/AIR ABS
A8	J94HI	18	VI	3535303C1	3535424C1	W/HYD ABS
B1	J94AC	18	BK	3535303C1	3535424C1	W/AIR ABS
B1	J94HD	18	GY	3535303C1	3535424C1	W/HYD ABS
B2	J94AD	18	RD	3535303C1	3535424C1	W/AIR ABS
B2	J94HV	18	GY	3535303C1	3535424C1	W/HYD ABS
B3	J94AF	18	BN	3535303C1	3535424C1	W/AIR ABS
B3	J94HX	18	GY	3535303C1	3535424C1	W/HYD ABS
B4	J94AF	18	PI	3535303C1	3535424C1	W/AIR ABS
B5	J94AH	18	I T GN	3535303C1	3535424C1	W/AIR ABS
B5	J94HP	18	GY	3535303C1	3535424C1	W/HYD ABS
B6	J57B	16	OR	3535930C1	3535936C1	
B7	J69B	14	BN	3535930C1	3535937C1	
B8	J94AJ	18	GY	3535303C1	3535424C1	
B8	J94H	16	GY	3535303C1	3535424C1	
B9	N56-GA	18	WH	3535303C1	3535424C1	
B9	J44M	18	GY	3535303C1	3535424C1	
B10	J59A	18	GY	3535303C1	3535424C1	
B11	J36A	18	TN	3535303C1	3535424C1	
B12	J39A	16	GY	3535303C1	3535424C1	
C1	J59B	18	GY	3535303C1	3535424C1	
C2	J59C	18	GY	3535303C1	3535424C1	
C3	J94ATC	18	GY	3535303C1	3535424C1	W/AIR ABS
C3	J3C6	18	GY	3535303C1	3535424C1	W/HYD ABS
C4	J94ATR	18	GY	3535303C1	3535424C1	W/AIR ABS
C4	J3C6	18	DK BL	3535303C1	3535424C1	W/HYD ABS
C5	J59D	18	GY	3535303C1	3535424C1	
C6	J11-GA	14	WH	3535930C1	3535937C1	
C7	J59E	14	GY	3535930C1	3535937C1	
C8	J59B	16	GY	3535303C1	3535424C1	
C9	J97	16	TN	3535303C1	3535424C1	
C10	J98B	18	TN	3535303C1	3535424C1	
C11	PLUG	-	-	-	-	
C12	J49A	18	GY	3535303C1	3535424C1	
D1	J49B	18	GY	3535303C1	3535424C1	
D2	J87BB	18	GY	3535303C1	3535424C1	
D3	J87KB	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, 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;

CHK#

DATE

CHANGE

REV

REFERENCE

DRAWN

NAME

ADDED CIRC EACH CHART

A

56507K

U00DLCK

42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS

RELEASE NO.

DATE

PART NO.

SHEET

P54634F

14.II.IN01

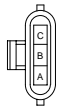
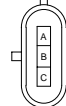
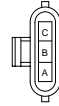
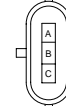
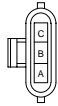
AE08-52376

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\* - FOR LEFT SIDE MTD FUEL TANKS, CIR NUM IS N36;  
FOR RIGHT SIDE MTD FUEL TANKS, 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;

Figure 173 Connector Composite (9700)

## 12.59. CONNECTOR COMPOSITES (9715), (9715A), (9715B), P. 59

INTERNATIONAL TRUCK AND ENGINE CORPORATION				ELECTRICAL CIRCUIT DIAGRAM CHAPTER 12																																																			
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<b>TRAILER SOCKET #1 (9715)</b>																																																							
CONNECTOR - 1667733C1 PLUG - 1675451C1 LOCK - 1667734C1						CONNECTOR - 1667732C1 PLUG - 1675451C1 LOCK - 1667734C1																																																	
<div style="display: flex; justify-content: space-between;"> <div>             W/EOF OR BOC TRAILER SOCKET &amp; EOF BODY BUILDER CONNECTOR             <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>N70D</td><td>10</td><td>RD</td><td>1667737C1</td><td>1667735C1</td></tr> <tr><td>B</td><td>N68D</td><td>10</td><td>BN</td><td>1667737C1</td><td>1667735C1</td></tr> <tr><td>C</td><td>N94D</td><td>10</td><td>GY</td><td>1667737C1</td><td>1667735C1</td></tr> </tbody> </table> </div> <div>             NOT W/BOC BODY BUILDER CONNECTORS             <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>J70A</td><td>10</td><td>OR</td><td>2025425C1</td><td>1667735C1</td></tr> <tr><td>B</td><td>J68F</td><td>12</td><td>BN</td><td>2025424C1</td><td>1671603C1</td></tr> <tr><td>C</td><td>J94BC</td><td>10</td><td>GY</td><td>2025425C1</td><td>1667735C1</td></tr> </tbody> </table> </div> </div>								CAV	CIR	GAUGE	COLOR	TERM	SEAL	A	N70D	10	RD	1667737C1	1667735C1	B	N68D	10	BN	1667737C1	1667735C1	C	N94D	10	GY	1667737C1	1667735C1	CAV	CIR	GAUGE	COLOR	TERM	SEAL	A	J70A	10	OR	2025425C1	1667735C1	B	J68F	12	BN	2025424C1	1671603C1	C	J94BC	10	GY	2025425C1	1667735C1
CAV	CIR	GAUGE	COLOR	TERM	SEAL																																																		
A	N70D	10	RD	1667737C1	1667735C1																																																		
B	N68D	10	BN	1667737C1	1667735C1																																																		
C	N94D	10	GY	1667737C1	1667735C1																																																		
CAV	CIR	GAUGE	COLOR	TERM	SEAL																																																		
A	J70A	10	OR	2025425C1	1667735C1																																																		
B	J68F	12	BN	2025424C1	1671603C1																																																		
C	J94BC	10	GY	2025425C1	1667735C1																																																		
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CAV	CIR	GAUGE	COLOR	TERM	SEAL																																																		
A	N70	10	RD	1667737C1	1667735C1																																																		
B	N68	10	BN	1667737C1	1667735C1																																																		
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CAV	CIR	GAUGE	COLOR	TERM	SEAL																																																		
A	J70A	10	OR	2025425C1	1667735C1																																																		
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CONNECTOR - 1667733C1 PLUG - 1675451C1 LOCK - 1667734C1						CONNECTOR - 1667732C1 PLUG - 1675451C1 LOCK - 1667734C1																																																	
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CAV	CIR	GAUGE	COLOR	TERM	SEAL																																																		
A	R70A	10	RD	2025425C1	1667735C1																																																		
B	R68A	10	BN	2025425C1	1667735C1																																																		
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CAV	CIR	GAUGE	COLOR	TERM	SEAL																																																		
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C	R94	10	GY	1667737C1	1667735C1																																																		
BOC - BACK OF CAB EOF - END OF FRAME																																																							
CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME	SHEET																																																
					U00DLCK	42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS																																																	
					P54634F	14JUN01	59																																																
						AE08-52376																																																	

**Figure 174 Connector Composites (9715), (9715A), (9715B)**

## 12.60. CONNECTOR COMPOSITES (9716), (9716A), (9716B), P. 60

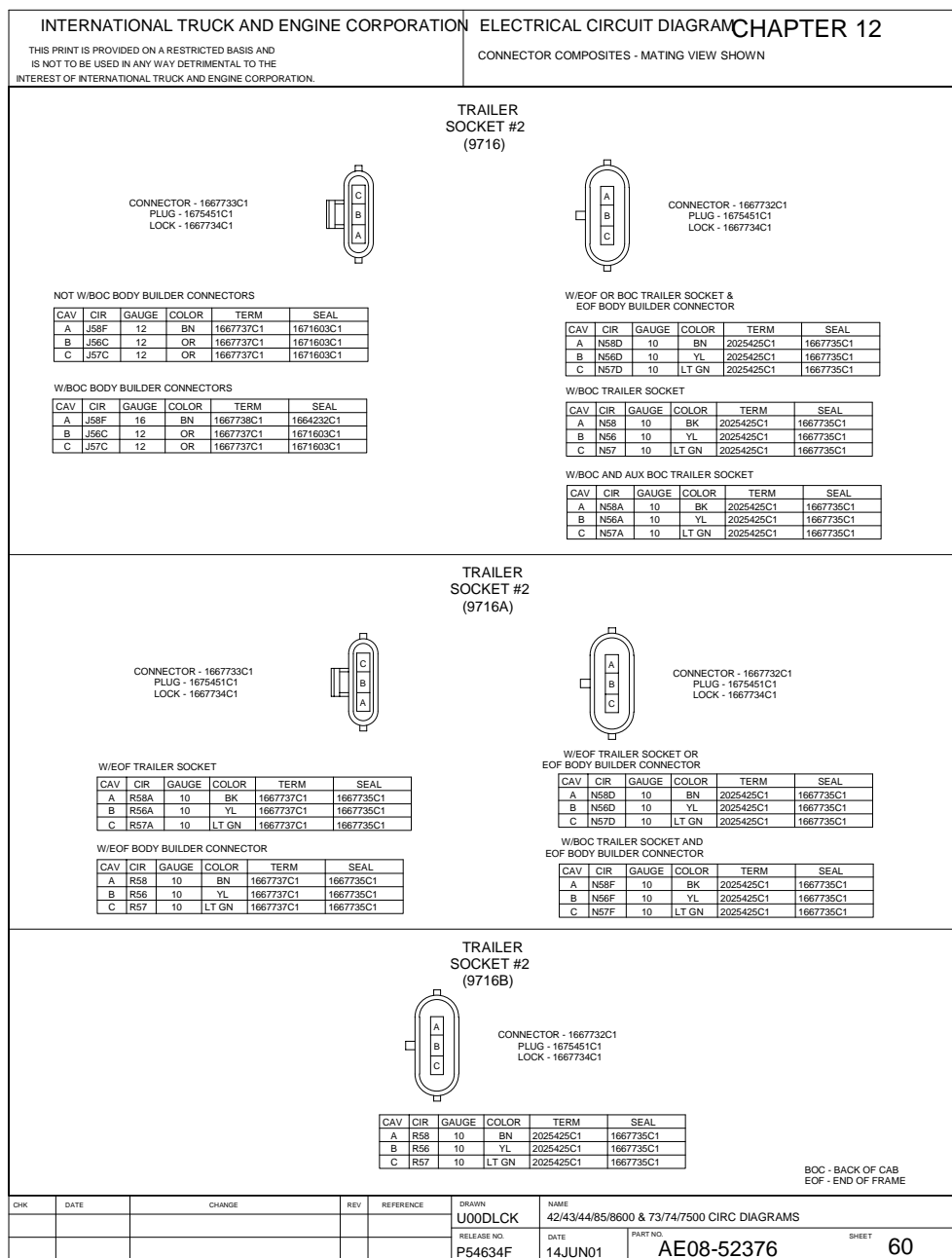


Figure 175 Connector Composites (9716), (9716A), (9716B)

12.61. CONNECTOR COMPOSITES (9717), (9717A), (9717B), P. 61

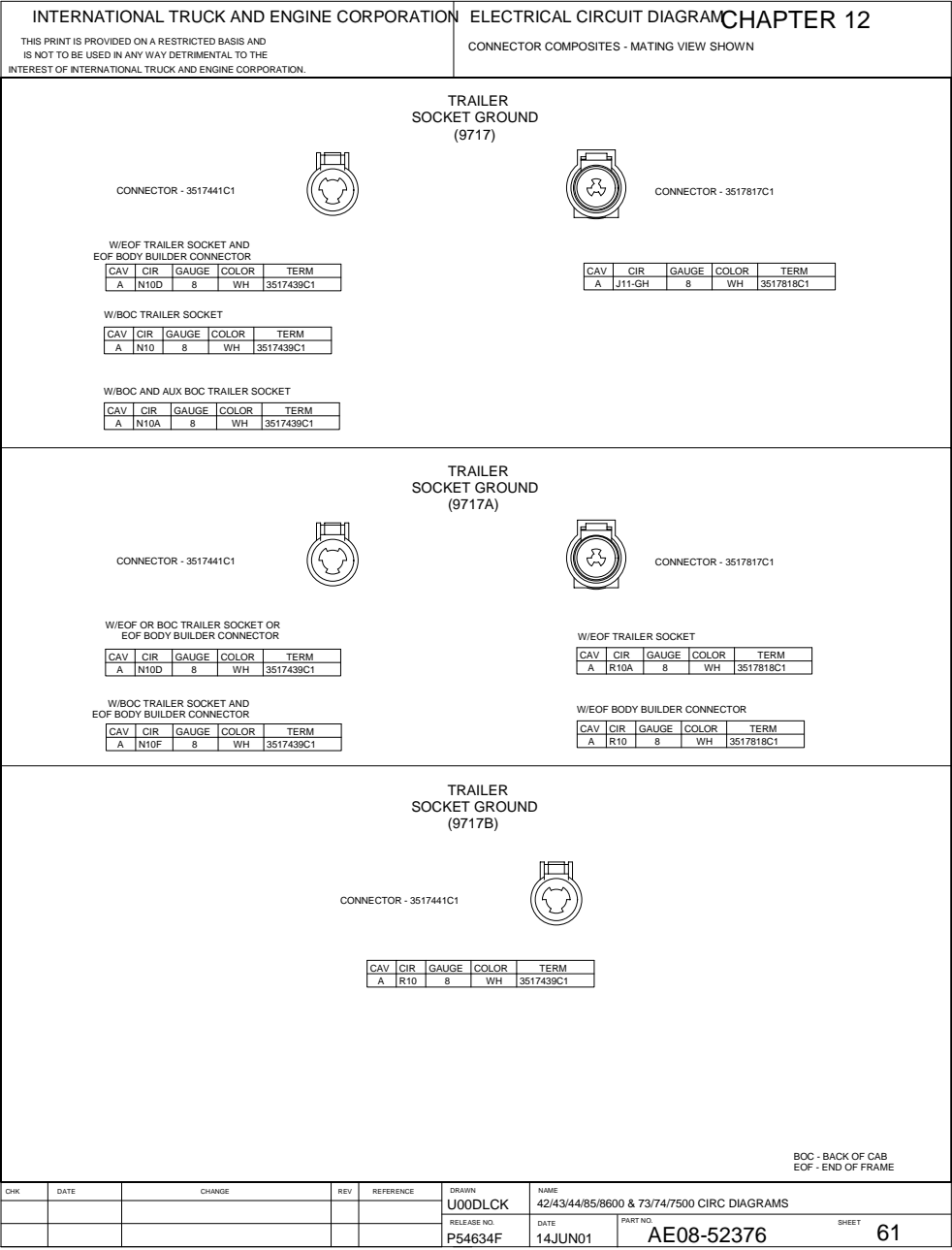


Figure 176 Connector Composites (9717), (9717A), (9717B)

## 12.62. CONNECTOR COMPOSITES (9718), (9719), (9720), (9733), (9734), (9736), (9762), (9763), P. 62

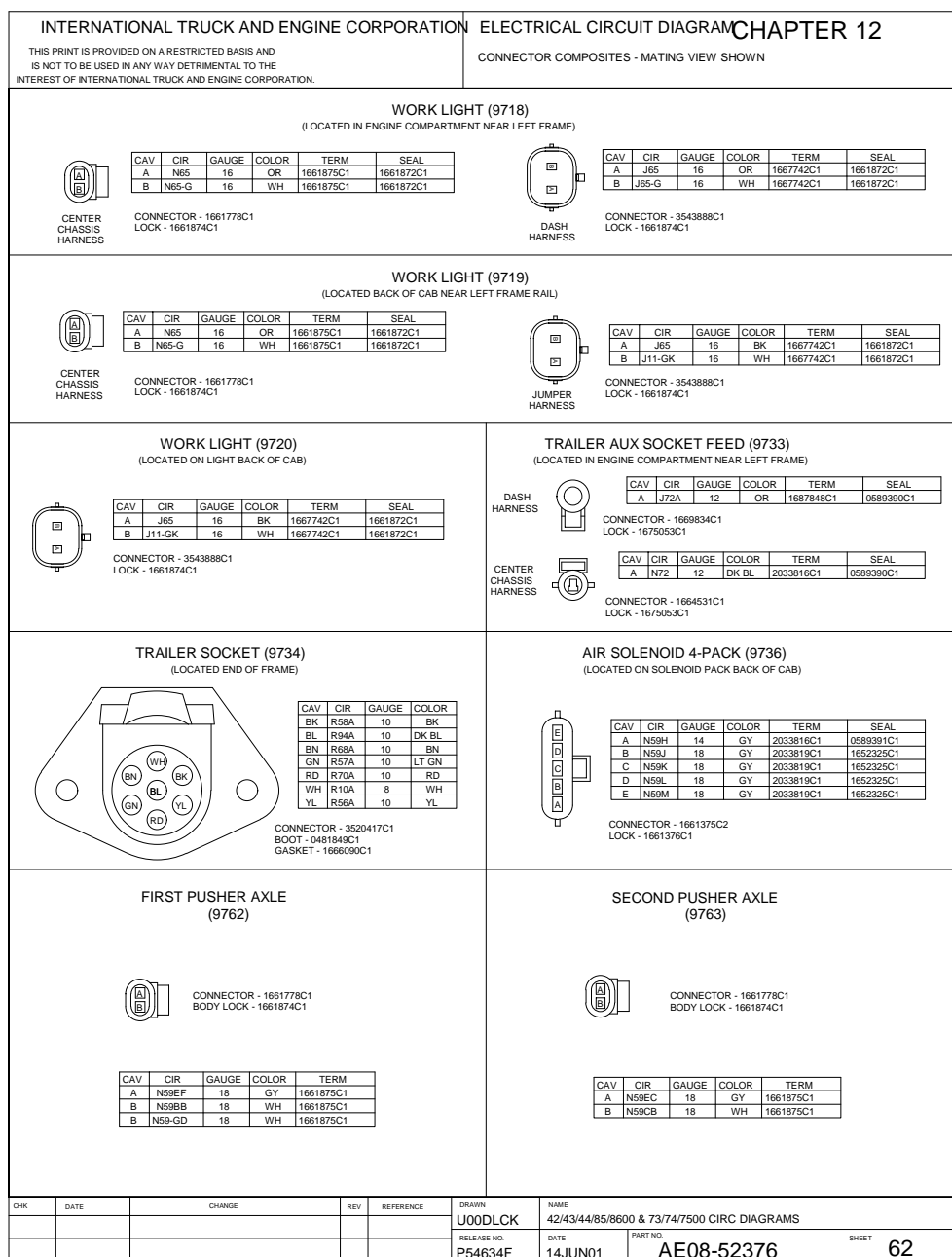
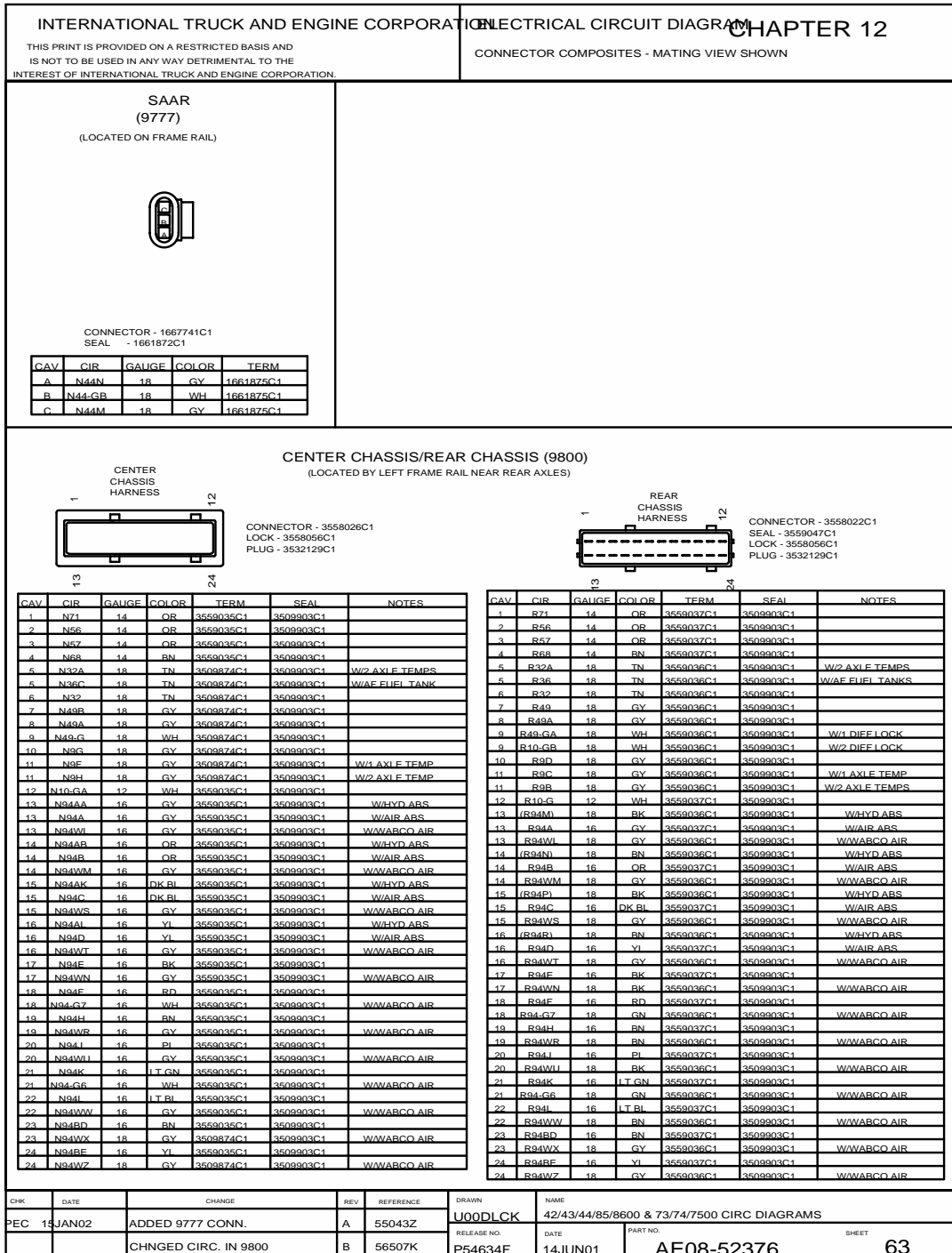


Figure 177 Connector Composites (9718), (9719), (9720), (9733), (9734), (9736), (9762), (9763)

## 12.63. CONNECTOR COMPOSITES (9777), (9800), P. 63



CHK	DATE	CHANGE	REV	REFERENCE
PEC	15JAN02	ADDED 9777 CONN.	A	55043Z
		CHNGD CIRC. IN 9800	B	56507K

DRAWN	NAME	DATE	PART NO.	SHEET
U00DLCK	42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS	14JUN01	AF08-52376	63
P54634F				

Figure 178 Connector Composites (9777), (9800)

## 12.64. CONNECTOR COMPOSITES (9870), (9871), (9811), (9812), (9814), (9815), (9850), (9900), (9900A), P. 64










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>AIR SUSPENSION DUMP VALVE 4X2 (9870)</b> (LOCATED NEAR REAR AXLE ON CROSSMEMBER)</p> <div style="text-align: center; margin: 20px 0;">  </div> <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>CONNECTOR - 0587568C91 SEAL - 1652325C1 TERMINAL - 0587576C1</p> </div> <table border="1" style="width: 45%; font-size: 8px;"> <tr><th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th></tr> <tr><td>A</td><td>N61A</td><td>18</td><td>GY</td></tr> <tr><td>B</td><td>N61-GA</td><td>18</td><td>GY</td></tr> </table> </div>				CAV	CIR	GAUGE	COLOR	A	N61A	18	GY	B	N61-GA	18	GY	<p style="text-align: center;"><b>AIR SUSPENSION DUMP VALVE 6X4 (9871)</b> (LOCATED NEAR REAR AXLE ON CROSSMEMBER)</p> <div style="text-align: center; margin: 20px 0;">  </div> <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>CONNECTOR - 0587568C91 SEAL - 1652325C1 TERMINAL - 0587576C1</p> </div> <table border="1" style="width: 45%; font-size: 8px;"> <tr><th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th></tr> <tr><td>A</td><td>N61AA</td><td>18</td><td>GY</td></tr> <tr><td>B</td><td>N61-GB</td><td>18</td><td>GY</td></tr> </table> </div>				CAV	CIR	GAUGE	COLOR	A	N61AA	18	GY	B	N61-GB	18	GY																						
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B	N61-GB	18	GY																																																		
<p style="text-align: center;"><b>FR AXLE TEMP SENDER (9811)</b> (LOCATED ON AXLE)</p> <div style="text-align: center; margin: 20px 0;">  </div> <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>CONNECTOR - 3536864C1</p> </div> <table border="1" style="width: 45%; 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>1</td><td>R32A</td><td>18</td><td>TN</td><td>3536865C1</td><td>3536866C1</td></tr> <tr><td>2</td><td>R9A</td><td>18</td><td>GY</td><td>3536865C1</td><td>3536866C1</td></tr> </table> </div>				CAV	CIR	GAUGE	COLOR	TERM	SEAL	1	R32A	18	TN	3536865C1	3536866C1	2	R9A	18	GY	3536865C1	3536866C1	<p style="text-align: center;"><b>RR AXLE TEMP SENDER (9812)</b> (LOCATED ON AXLE)</p> <div style="text-align: center; margin: 20px 0;">  </div> <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>CONNECTOR - 3536864C1</p> </div> <table border="1" style="width: 45%; font-size: 8px;"> <tr><th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>TERM</th><th>SEAL</th><th>NOTES</th></tr> <tr><td>1</td><td>R32</td><td>18</td><td>TN</td><td>3536865C1</td><td>3536866C1</td><td></td></tr> <tr><td>2</td><td>R9</td><td>18</td><td>GY</td><td>3536865C1</td><td>3536866C1</td><td>W/TANDEM</td></tr> <tr><td>2</td><td>R9C</td><td>18</td><td>GY</td><td>3536865C1</td><td>3536866C1</td><td>N/TANDEM</td></tr> </table> </div>				CAV	CIR	GAUGE	COLOR	TERM	SEAL	NOTES	1	R32	18	TN	3536865C1	3536866C1		2	R9	18	GY	3536865C1	3536866C1	W/TANDEM	2	R9C	18	GY	3536865C1	3536866C1	N/TANDEM
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<p style="text-align: center;"><b>FR AXLE DIFF LOCK WARN LIGHT (9814)</b> (LOCATED ON AXLE)</p> <div style="text-align: center; margin: 20px 0;">  </div> <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>CONNECTOR - 587567C91</p> </div> <table border="1" style="width: 45%; 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>R49</td><td>18</td><td>GY</td><td>0587578C1</td><td>1652325C1</td></tr> <tr><td>B</td><td>R49-G</td><td>18</td><td>WH</td><td>0587578C1</td><td>1652325C1</td></tr> </table> </div>				CAV	CIR	GAUGE	COLOR	TERM	SEAL	A	R49	18	GY	0587578C1	1652325C1	B	R49-G	18	WH	0587578C1	1652325C1	<p style="text-align: center;"><b>RR AXLE DIFF LOCK WARN LIGHT (9815)</b> (LOCATED ON AXLE)</p> <div style="text-align: center; margin: 20px 0;">  </div> <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>CONNECTOR - 587567C91</p> </div> <table border="1" style="width: 45%; 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>R49A</td><td>18</td><td>GY</td><td>0587578C1</td><td>1652325C1</td></tr> <tr><td>B</td><td>R49-GA</td><td>18</td><td>WH</td><td>0587578C1</td><td>1652325C1</td></tr> </table> </div>				CAV	CIR	GAUGE	COLOR	TERM	SEAL	A	R49A	18	GY	0587578C1	1652325C1	B	R49-GA	18	WH	0587578C1	1652325C1										
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B	R49-G	18	WH	0587578C1	1652325C1																																																
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<p style="text-align: center;"><b>RIGHT SIDE AIR DRYER (9900)</b> (LOCATED ON AIR DRYER)</p> <div style="text-align: center; margin: 20px 0;">  </div> <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>CONNECTOR - 1673790C1 LOCK - 1673791C1</p> </div> <table border="1" style="width: 45%; 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>N39C</td><td>16</td><td>GY</td><td>2033819C1</td><td>1652325C1</td></tr> <tr><td>B</td><td>N39-GC</td><td>16</td><td>WH</td><td>2033819C1</td><td>1652325C1</td></tr> </table> </div>				CAV	CIR	GAUGE	COLOR	TERM	SEAL	A	N39C	16	GY	2033819C1	1652325C1	B	N39-GC	16	WH	2033819C1	1652325C1	<p style="text-align: center;"><b>AIR SUSPENSION SOLENOID (9850)</b> (LOCATED ON LEFT FRAME RAIL NEAR REAR AXLES)</p> <div style="text-align: center; margin: 20px 0;">  </div> <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>CONNECTOR - 587568C91</p> </div> <table border="1" style="width: 45%; 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>J61A</td><td>16</td><td>GY</td><td>0587575C1</td><td>1652325C1</td></tr> <tr><td>B</td><td>J61-GA</td><td>16</td><td>WH</td><td>0587575C1</td><td>1652325C1</td></tr> </table> </div>				CAV	CIR	GAUGE	COLOR	TERM	SEAL	A	J61A	16	GY	0587575C1	1652325C1	B	J61-GA	16	WH	0587575C1	1652325C1										
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Figure 179 Connector Composites (9870), (9871), (9811), (9812), (9814), (9815), (9850), (9900), (9900A)